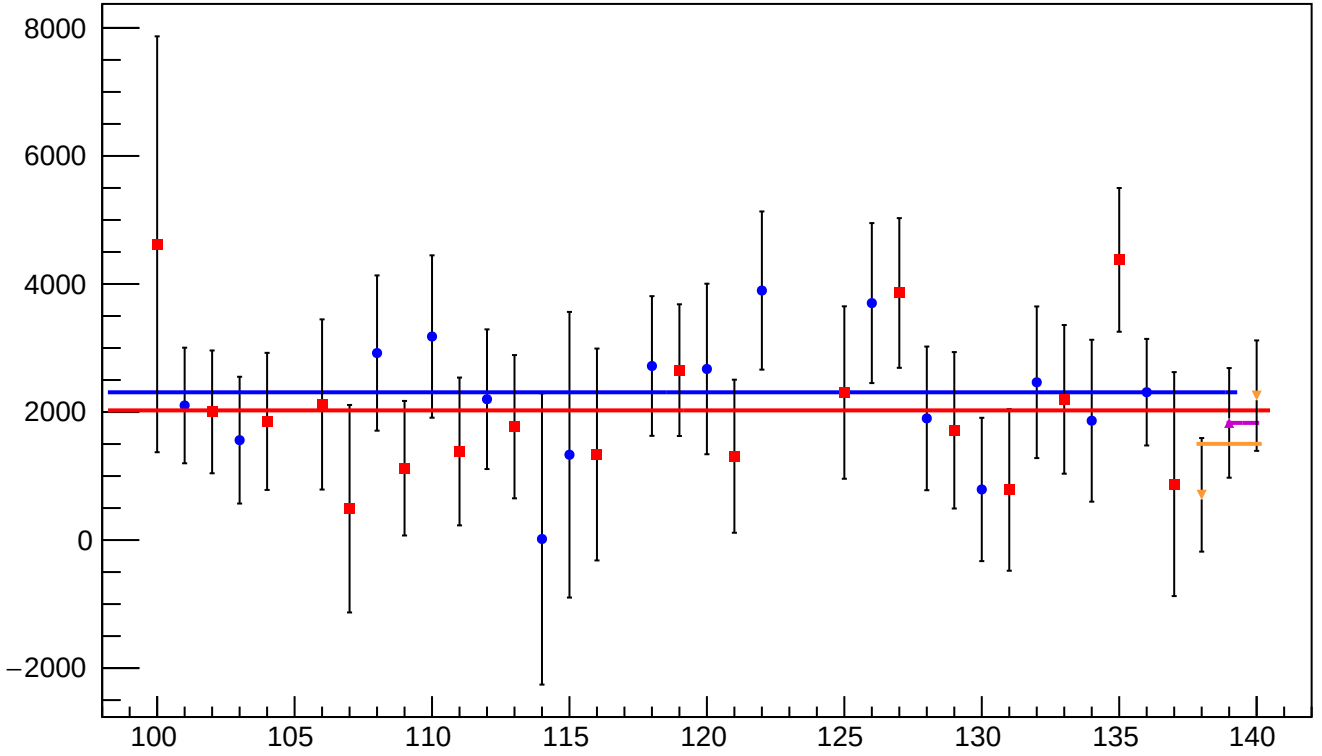
reg_asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

Left In: 1830.287+/-856.539 χ^2/NDF:0.0/0

Left: 1615.144+/-501.457 χ^2/NDF: 1.7/2

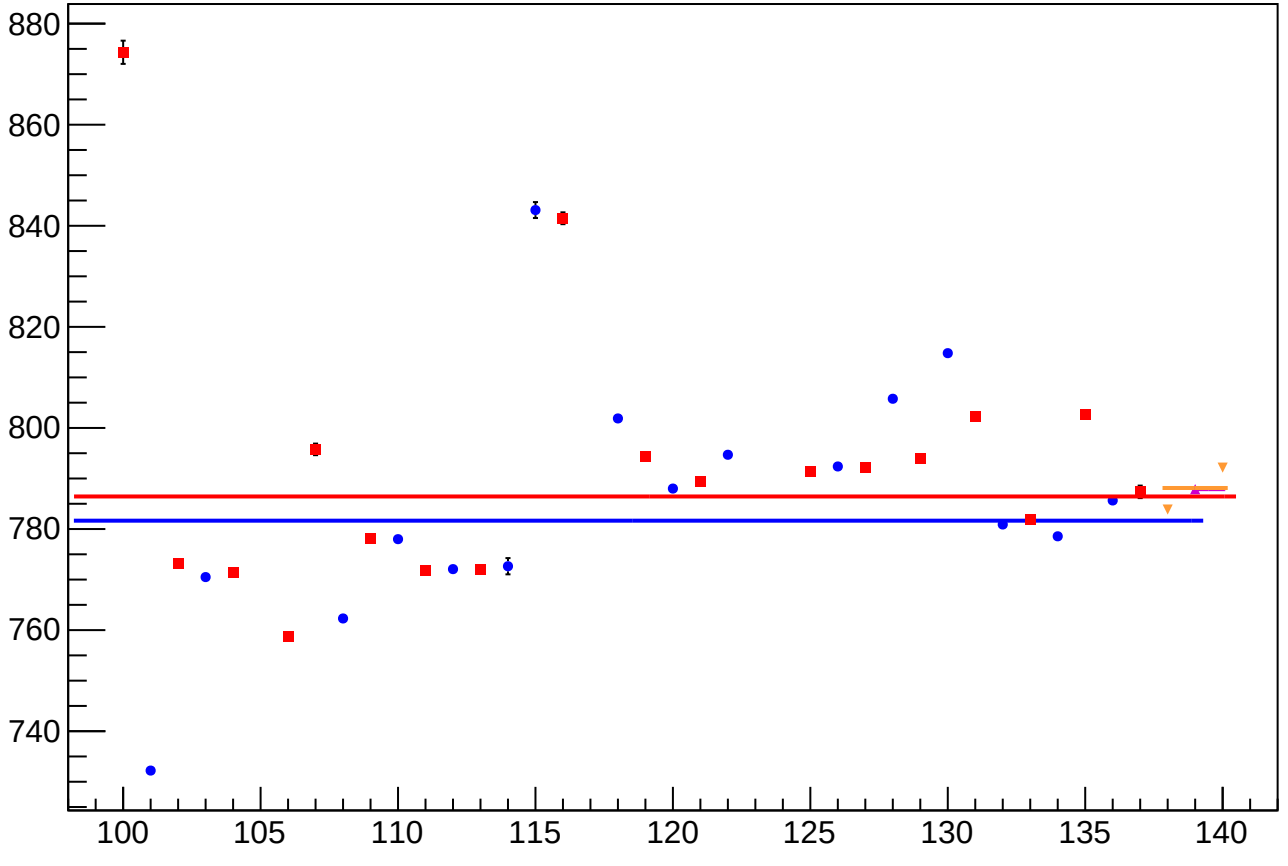
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2258.879+/-275.050 χ^2/NDF:8.1/16

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

All: 2087.527+/-189.868 χ^2/NDF: 22.9/36

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

Left In: 787.893+/-0.606 χ^2/NDF:0.0/0

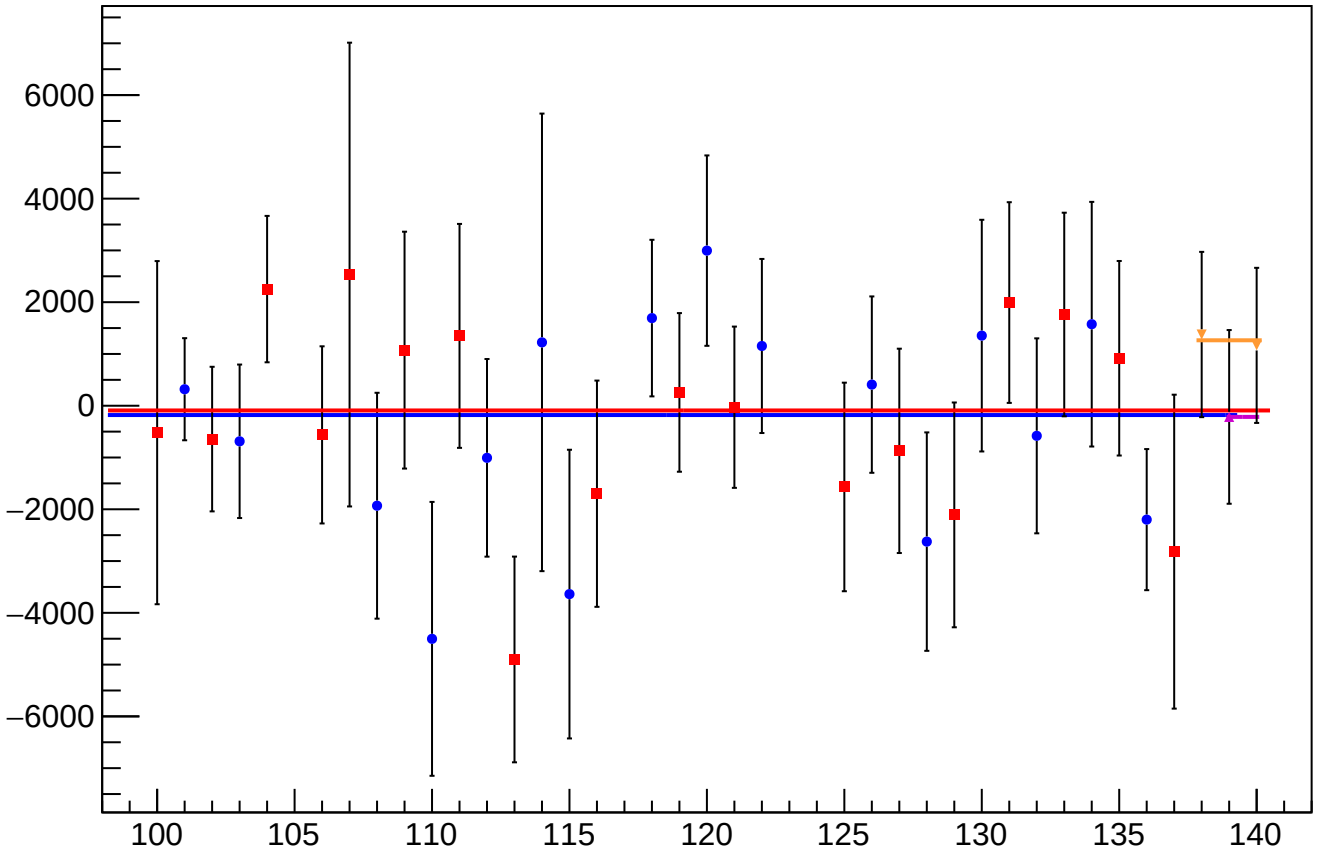
Left: 788.043+/-0.355 χ^2/NDF: 89.9/2

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

In: 782.297+/-0.194 χ^2/NDF:12414.2/16

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

All: 784.626+/-0.134 χ^2/NDF: 19991.4/36



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

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

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

Left In: -215.739+/-1677.556 χ^2/NDF:0.0/0

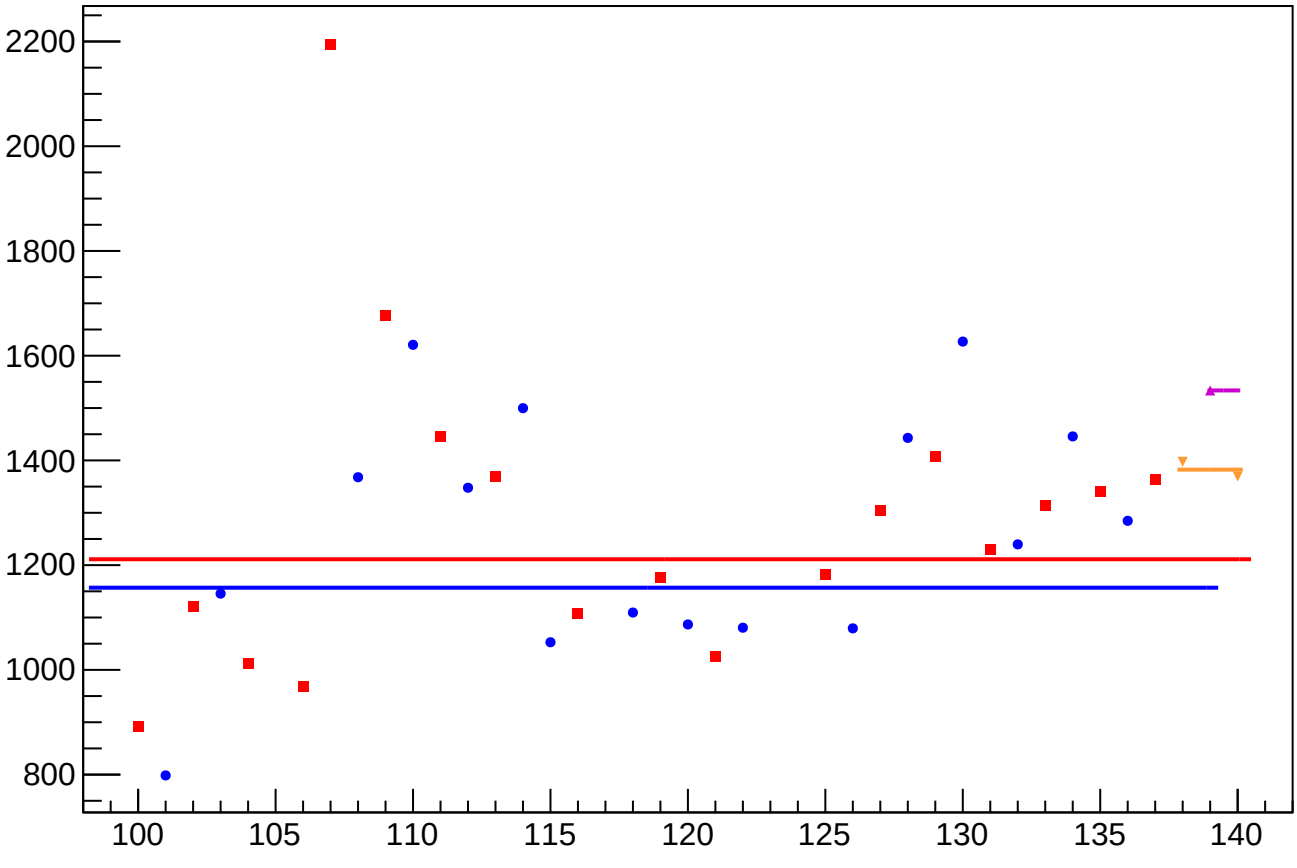
Left: 823.462+/-915.318 χ^2/NDF: 0.6/2

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

In: -182.242+/-426.302 χ^2/NDF:15.4/16

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

All: -34.414+/-299.139 χ^2/NDF: 32.1/36



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

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

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

Left In: 1533.654+/-1.186 χ^2/NDF:0.0/0

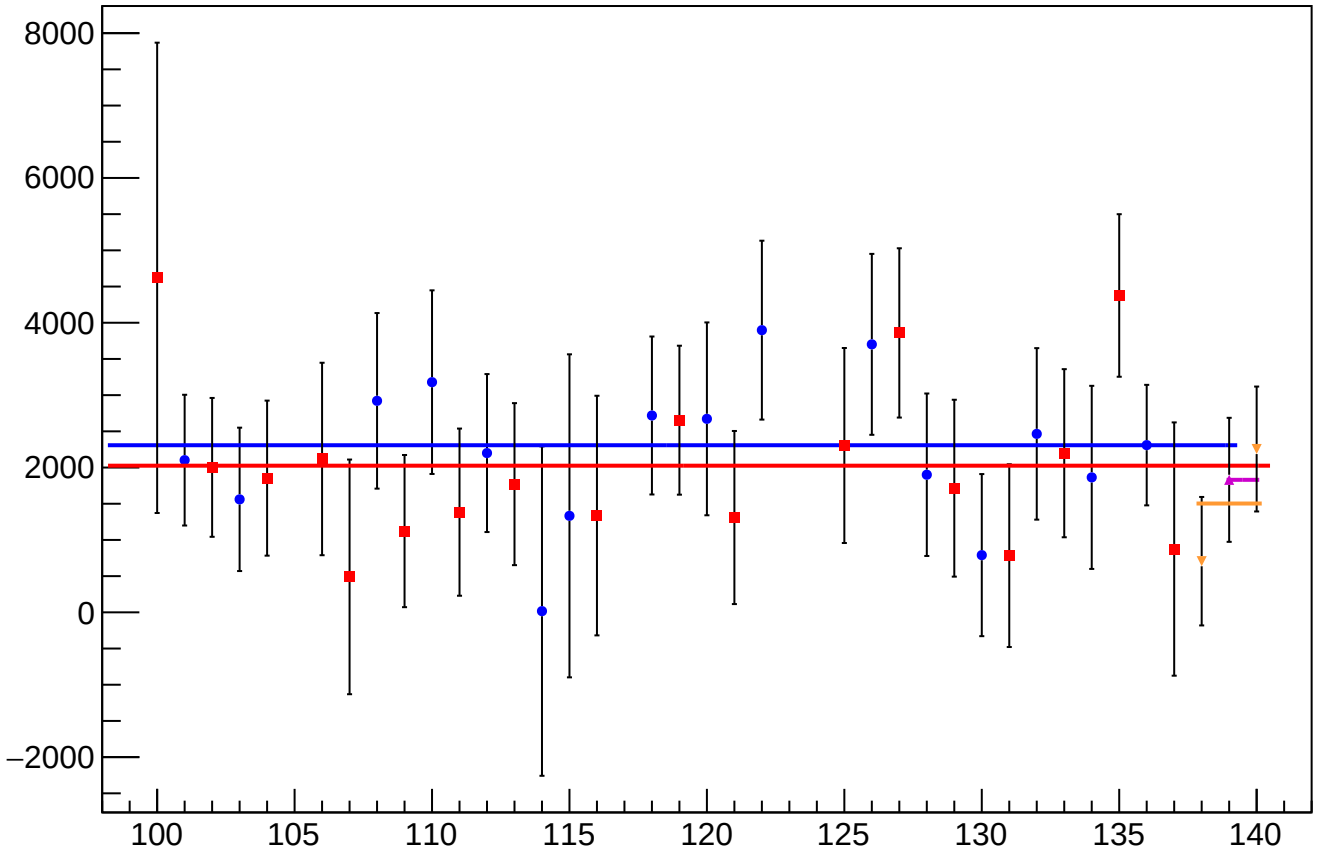
Left: 1427.414+/-0.647 χ^2/NDF: 11749.1/2

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

In: 1181.275+/-0.301 χ^2/NDF:663458.1/16

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

All: 1209.333+/-0.212 χ^2/NDF: 1120402.4/36



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

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

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

Left In: 1830.287+/-856.539 χ^2/NDF:0.0/0

Left: 1615.144+/-501.457 χ^2/NDF: 1.7/2

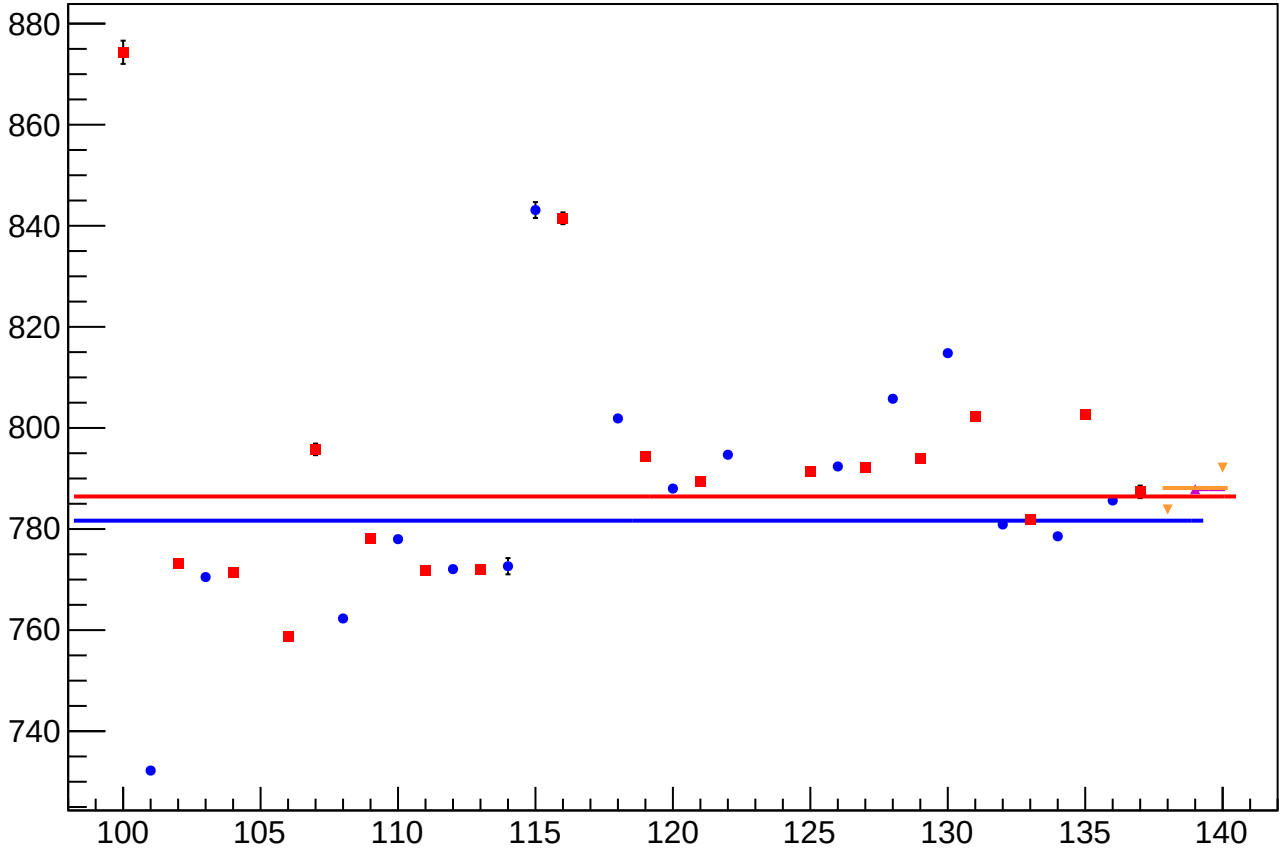
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2258.879+/-275.050 χ^2/NDF:8.1/16

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

All: 2087.527+/-189.868 χ^2/NDF: 22.9/36

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

Left In: 787.893+/-0.606 χ^2/NDF:0.0/0

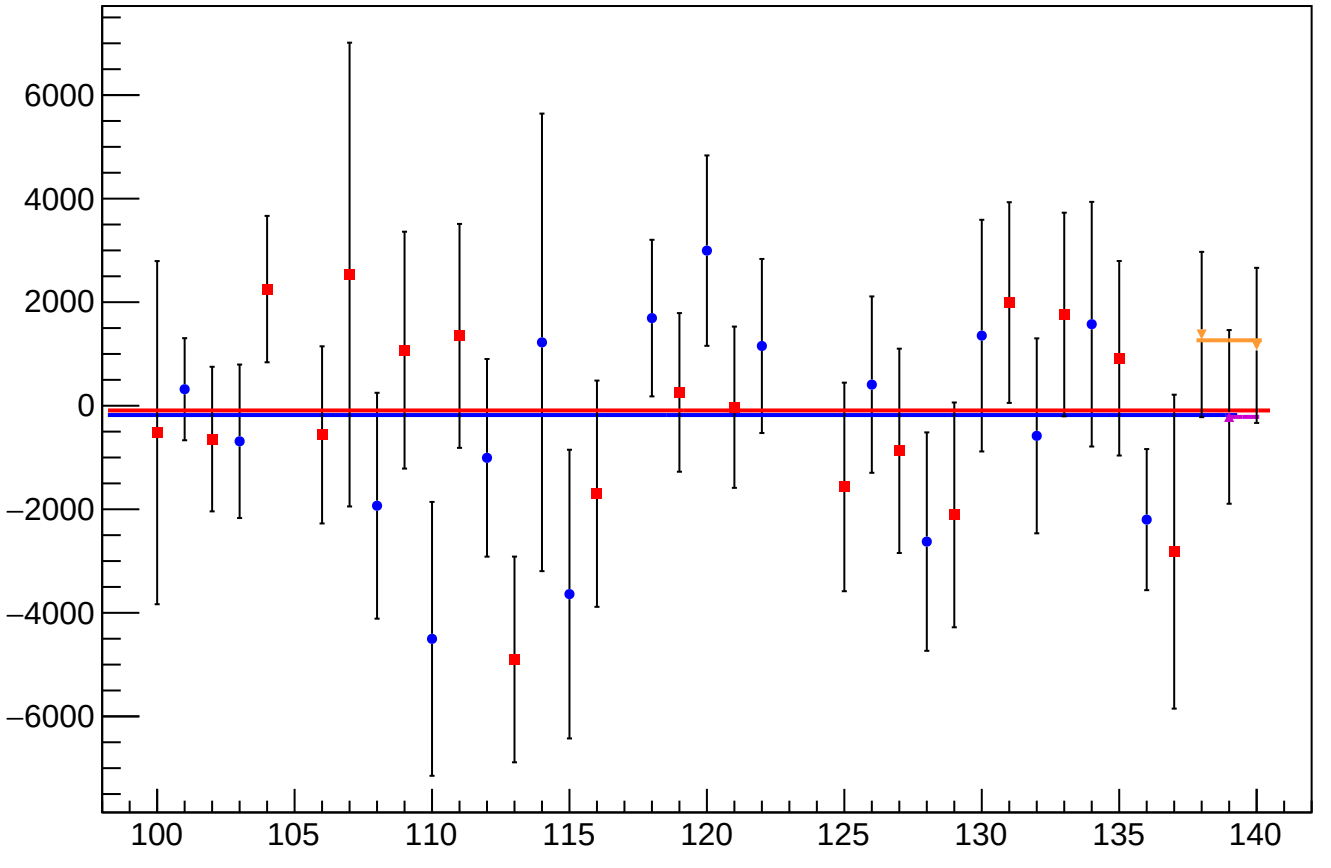
Left: 788.043+/-0.355 χ^2/NDF: 89.9/2

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

In: 782.297+/-0.194 χ^2/NDF:12414.2/16

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

All: 784.626+/-0.134 χ^2/NDF: 19991.4/36



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

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

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

Left In: -215.739+/-1677.556 χ^2/NDF:0.0/0

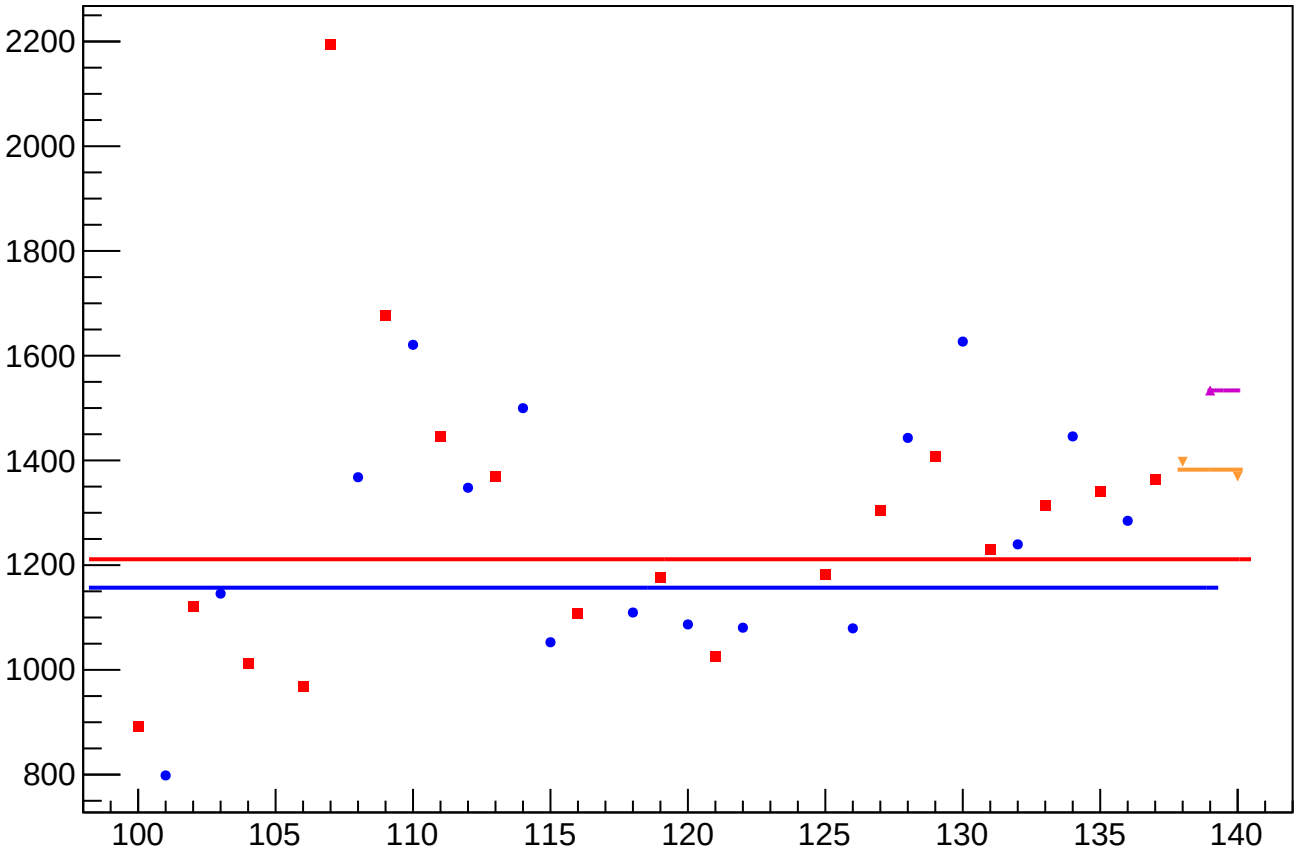
Left: 823.462+/-915.318 χ^2/NDF: 0.6/2

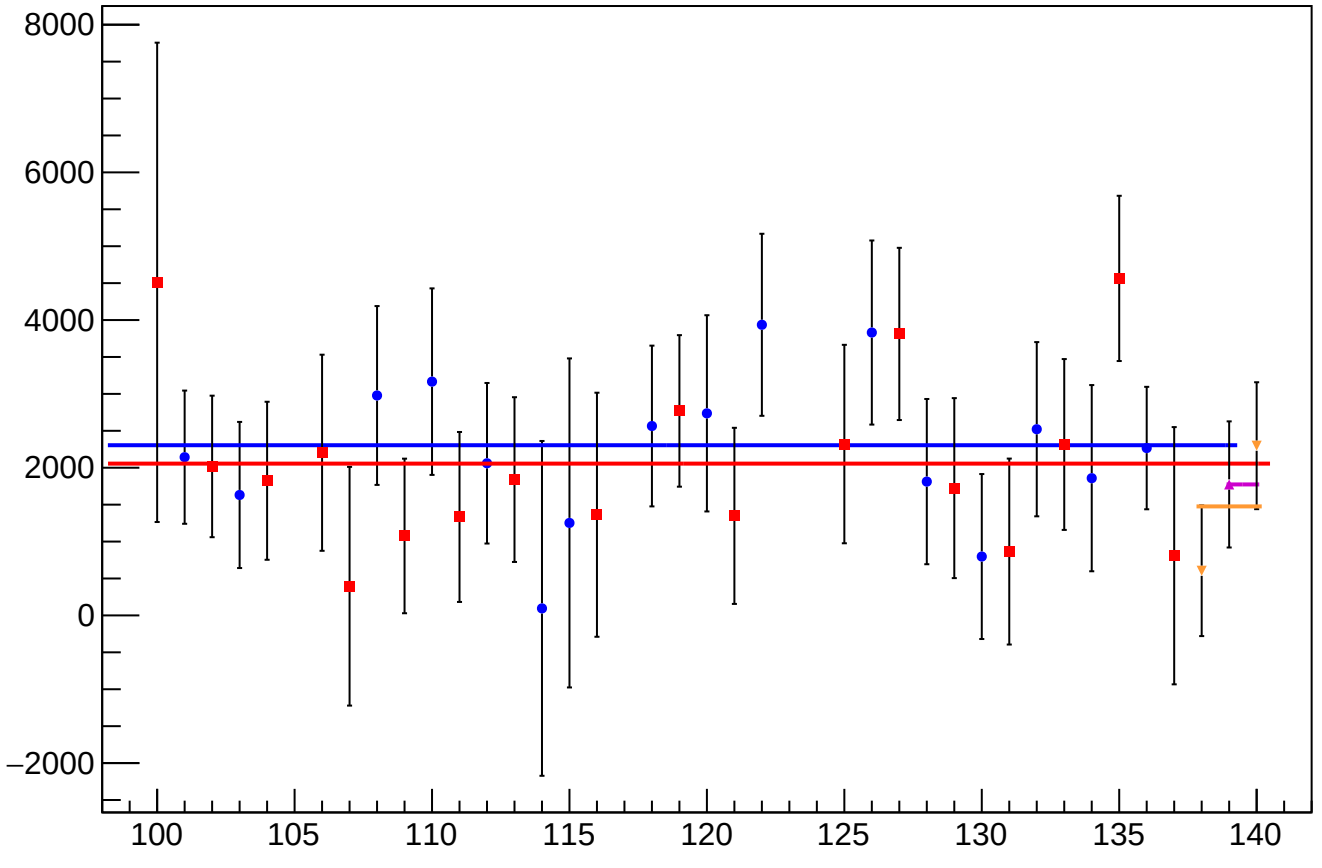
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -182.242+/-426.302 χ^2/NDF:15.4/16

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

All: -34.414+/-299.139 χ^2/NDF: 32.1/36


asym_us_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
105
110
115
120
125
130
135
140
Right In: 1156.948+/-0.312 χ²/NDF: 569119.8/15
Left Out: 1382.378+/-0.772 χ²/NDF:327.4/1
Right Out: 1211.264+/-0.322 χ²/NDF: 397714.5/17
Left In: 1533.654+/-1.186 χ²/NDF:0.0/0
Left: 1427.414+/-0.647 χ²/NDF: 11749.1/2
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1181.275+/-0.301 χ²/NDF:663458.1/16
Out: 1236.550+/-0.297 χ²/NDF:439876.3/19
All: 1209.333+/-0.212 χ²/NDF: 1120402.4/36



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

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

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

Left In: 1773.775+/-854.064 χ^2/NDF:0.0/0

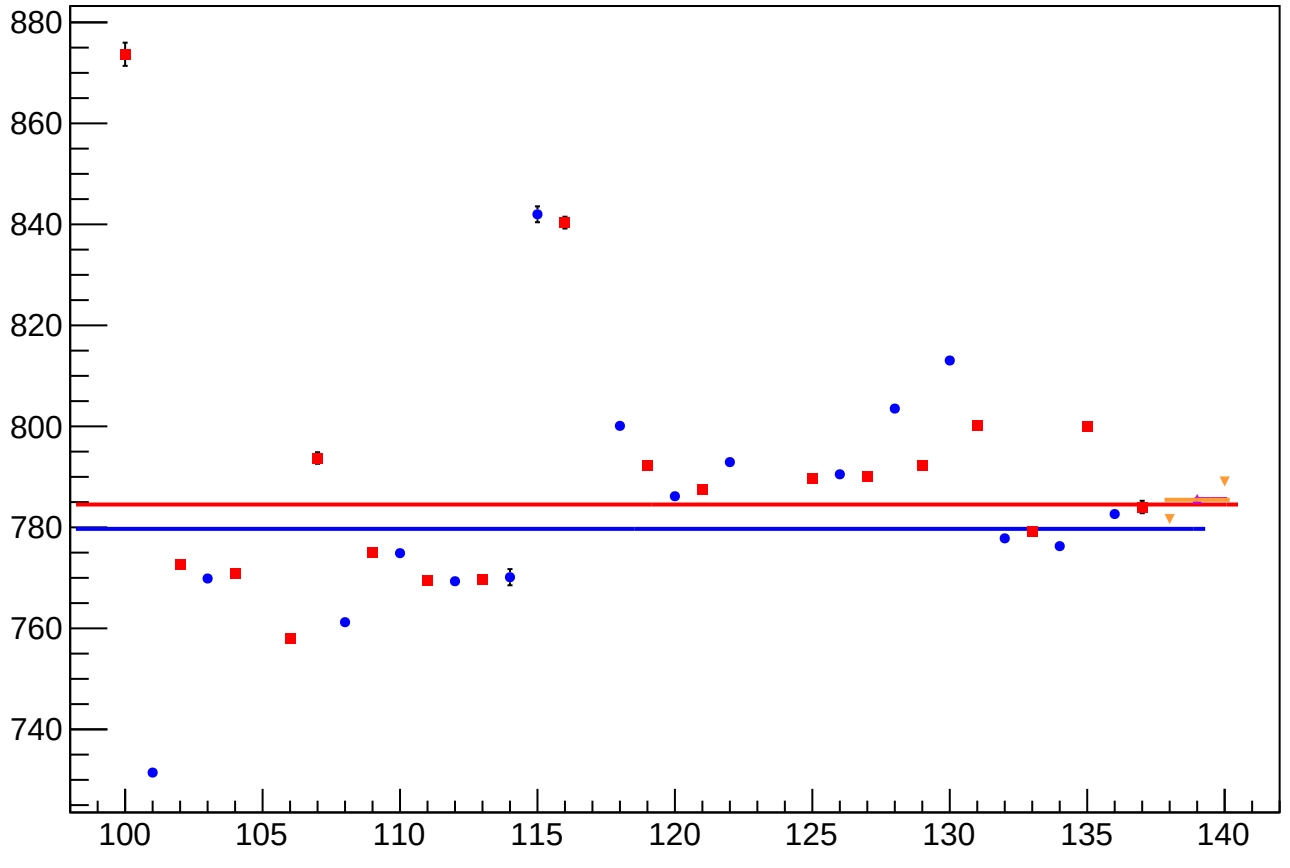
Left: 1578.105+/-499.849 χ^2/NDF: 2.0/2

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

In: 2250.051+/-274.350 χ^2/NDF:8.4/16

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

All: 2093.598+/-189.378 χ^2/NDF: 24.5/36



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

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

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

Left In: 785.619+/-0.604 χ^2/NDF:0.0/0

Left: 785.520+/-0.353 χ^2/NDF: 72.9/2

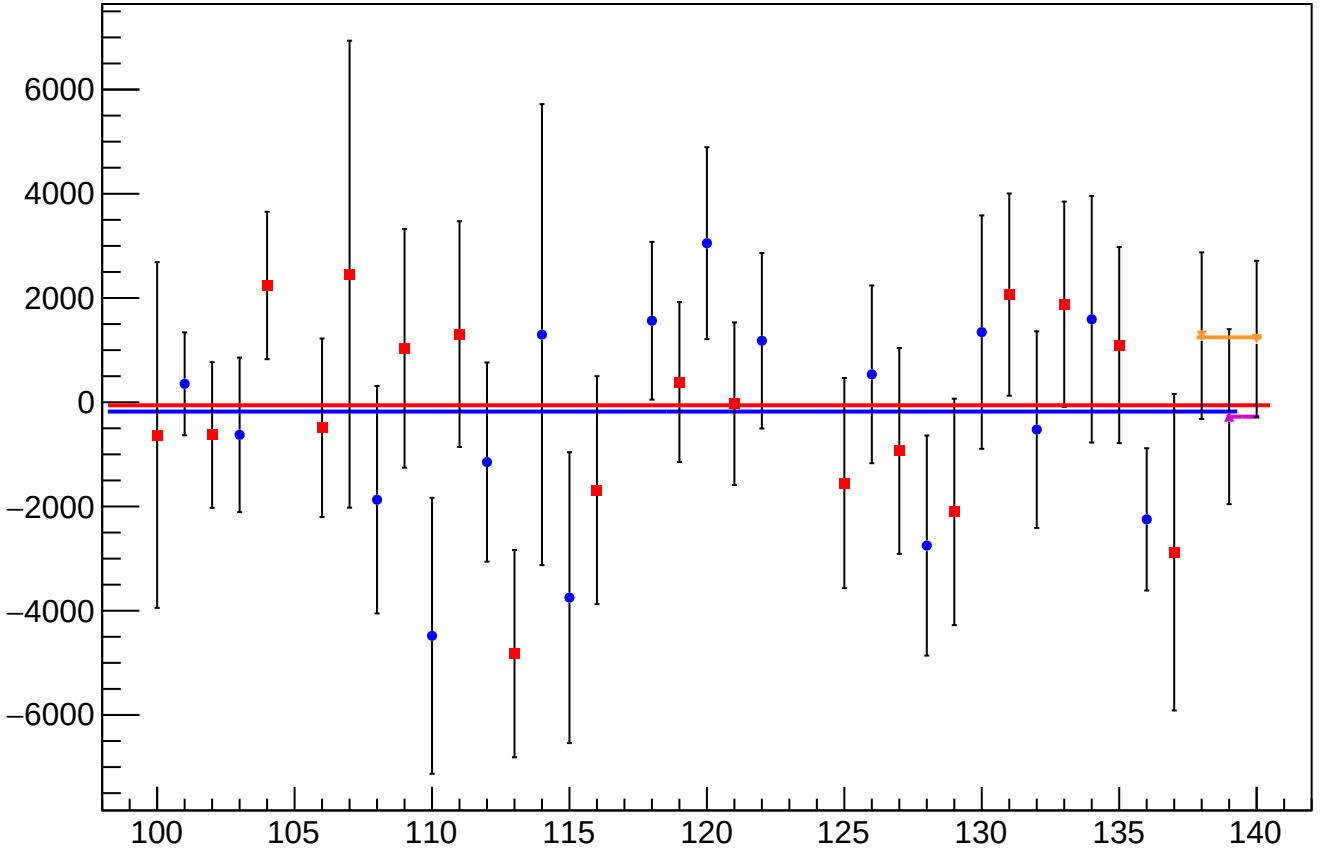
Right: 782.118+/-0.145 χ^2/NDF: 19498.0/33

In: 780.313+/-0.194 χ^2/NDF:12146.3/16

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

All: 782.607+/-0.134 χ^2/NDF: 19650.2/36

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



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

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

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

Left In: -276.166+/-1678.709 χ^2/NDF:0.0/0

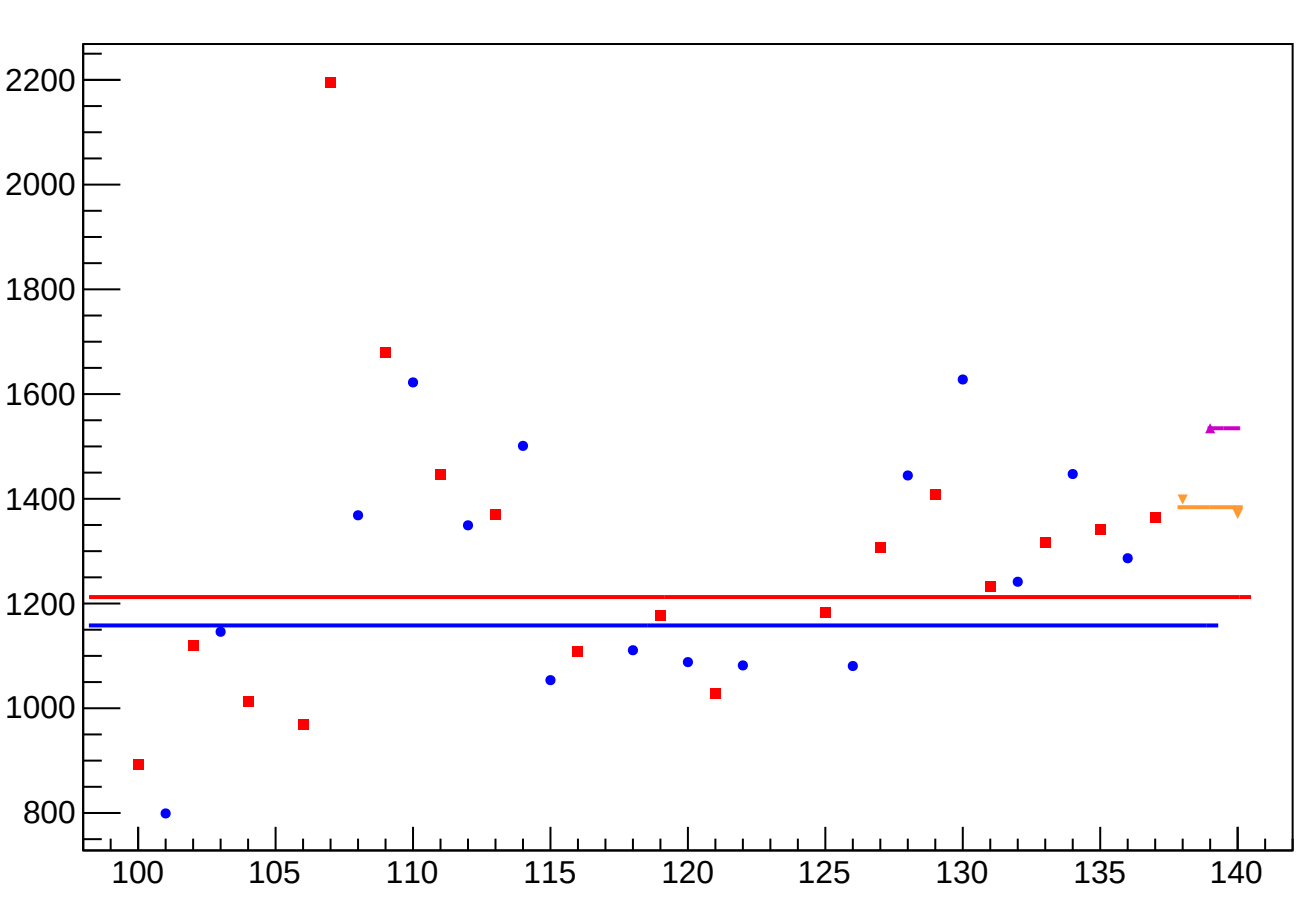
Left: 791.500+/-916.215 χ^2/NDF: 0.6/2

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

In: -184.770+/-426.725 χ^2/NDF:15.7/16

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

All: -22.764+/-299.425 χ^2/NDF: 32.5/36



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

Left Out: 1383.931+/-0.773 χ^2/NDF:317.0/1

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

Left In: 1534.698+/-1.187 χ^2/NDF:0.0/0

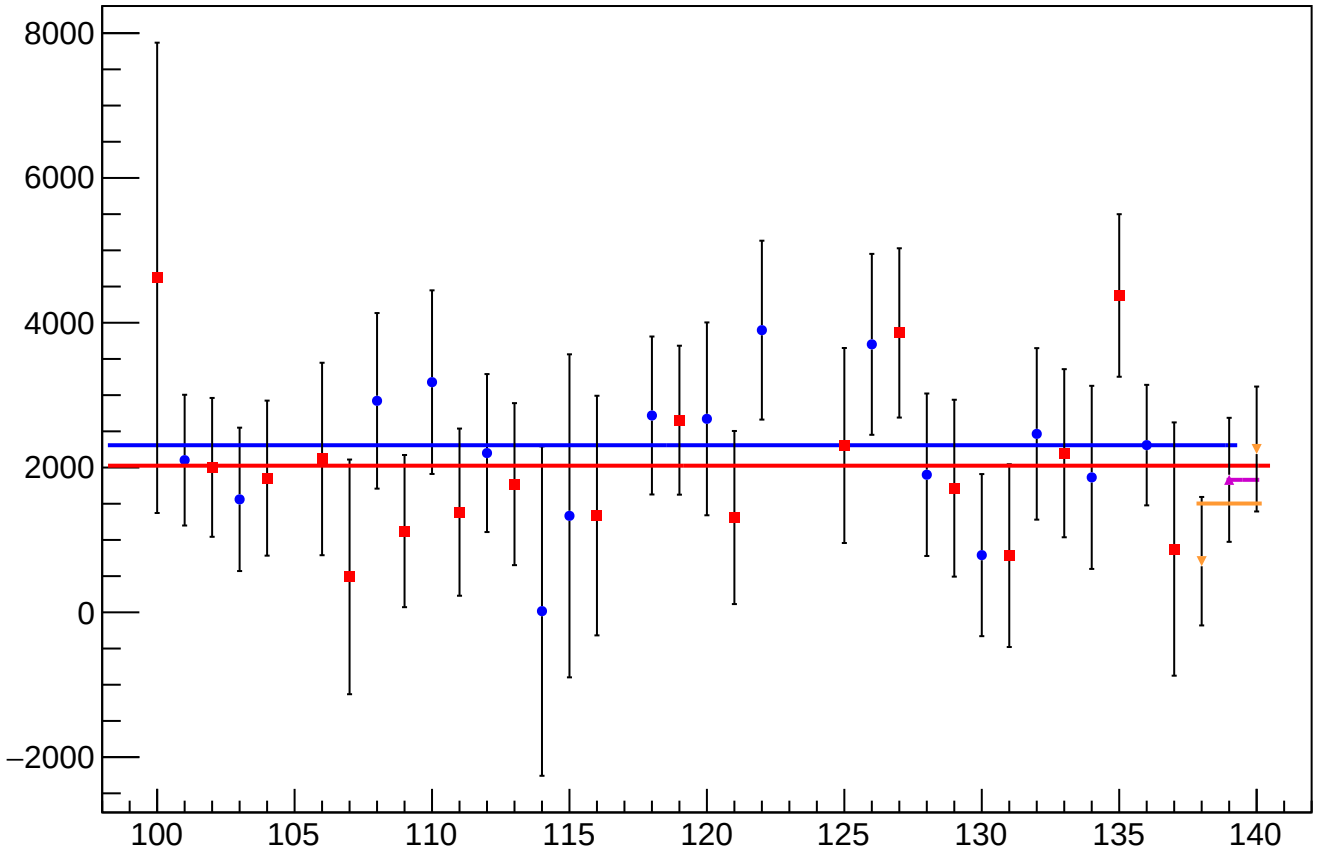
Left: 1428.842+/-0.648 χ^2/NDF: 11643.7/2

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

In: 1182.466+/-0.302 χ^2/NDF:663279.1/16

Out: 1237.693+/-0.297 χ^2/NDF:440229.6/19

All: 1210.501+/-0.212 χ^2/NDF: 1120514.2/36



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

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

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

Left In: 1830.287+/-856.539 χ^2/NDF:0.0/0

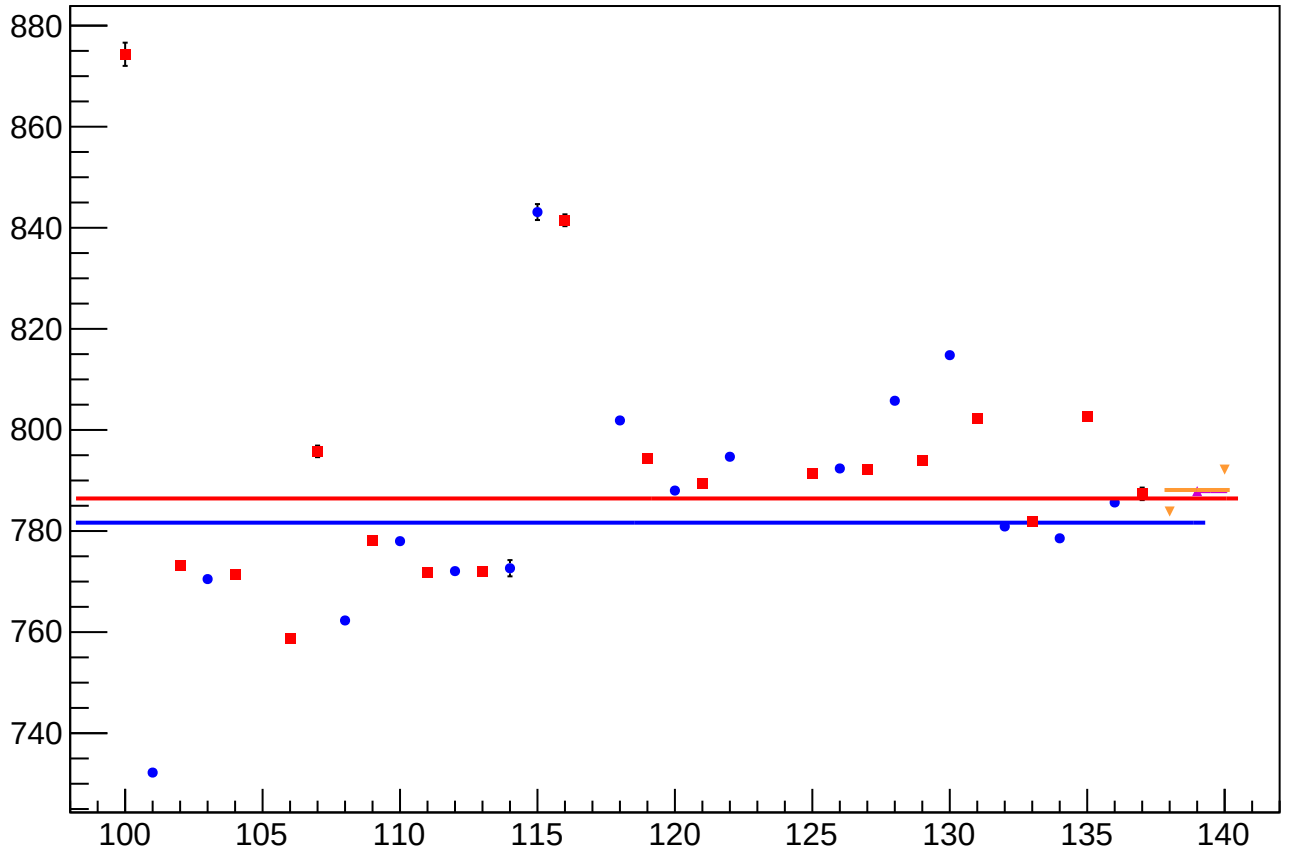
Left: 1615.144+/-501.457 χ^2/NDF: 1.7/2

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

In: 2258.879+/-275.050 χ^2/NDF:8.1/16

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

All: 2087.527+/-189.868 χ^2/NDF: 22.9/36



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

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

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

Left In: 787.893+/-0.606 χ^2/NDF:0.0/0

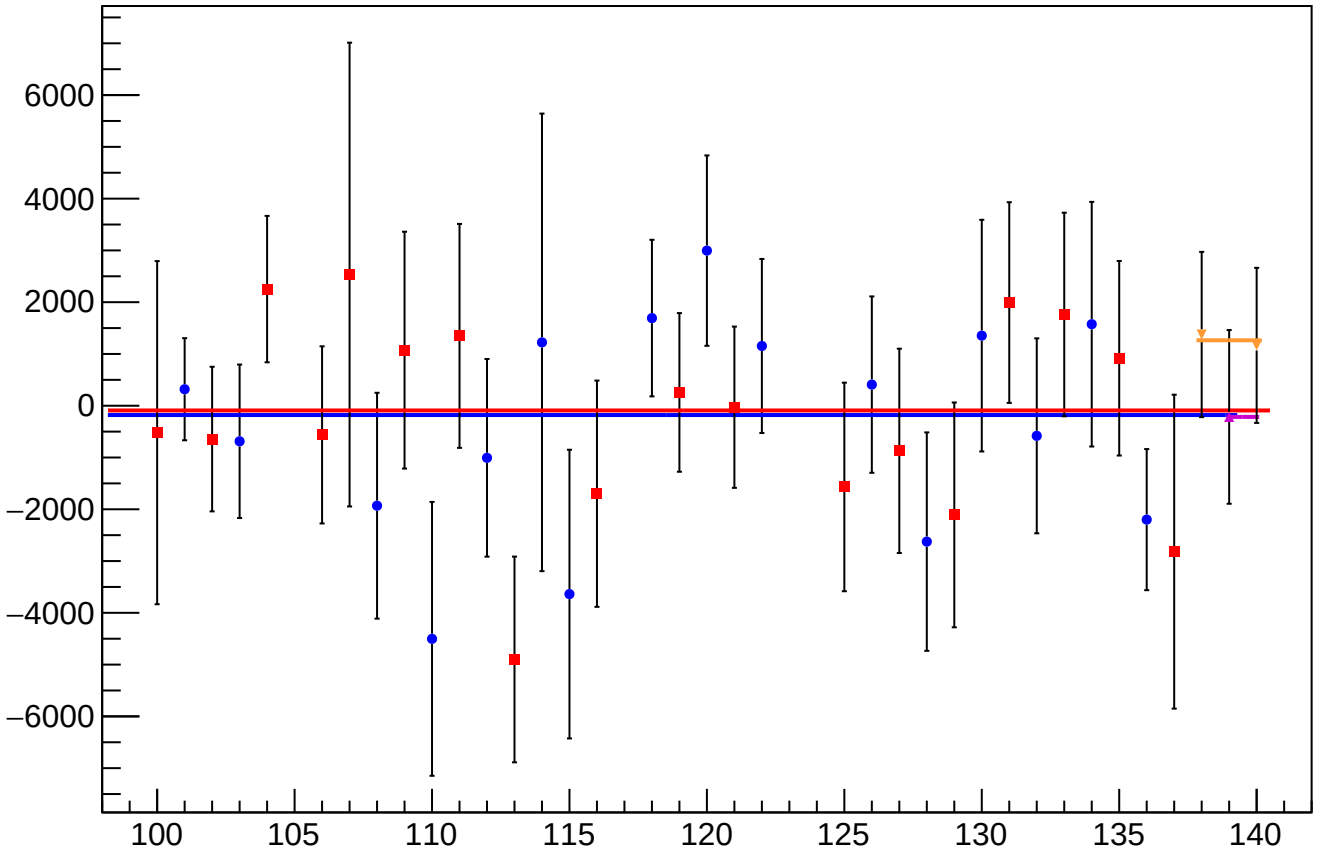
Left: 788.043+/-0.355 χ^2/NDF: 89.9/2

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

In: 782.297+/-0.194 χ^2/NDF:12414.2/16

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

All: 784.626+/-0.134 χ^2/NDF: 19991.4/36



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

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

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

Left In: -215.739+/-1677.556 χ^2/NDF:0.0/0

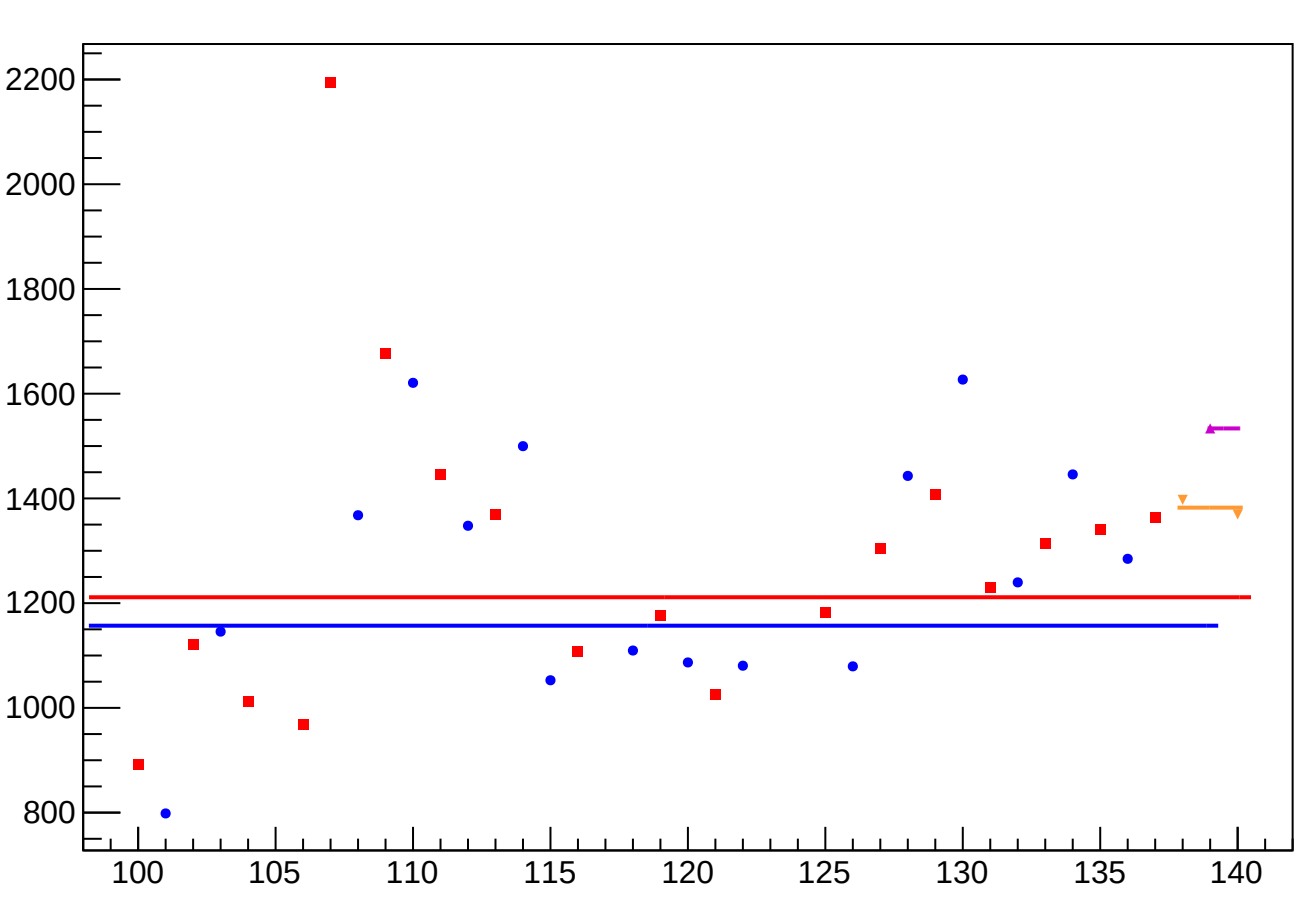
Left: 823.462+/-915.318 χ^2/NDF: 0.6/2

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

In: -182.242+/-426.302 χ^2/NDF:15.4/16

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

All: -34.414+/-299.139 χ^2/NDF: 32.1/36



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

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

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

Left In: 1533.654+/-1.186 χ^2/NDF:0.0/0

Left: 1427.414+/-0.647 χ^2/NDF: 11749.1/2

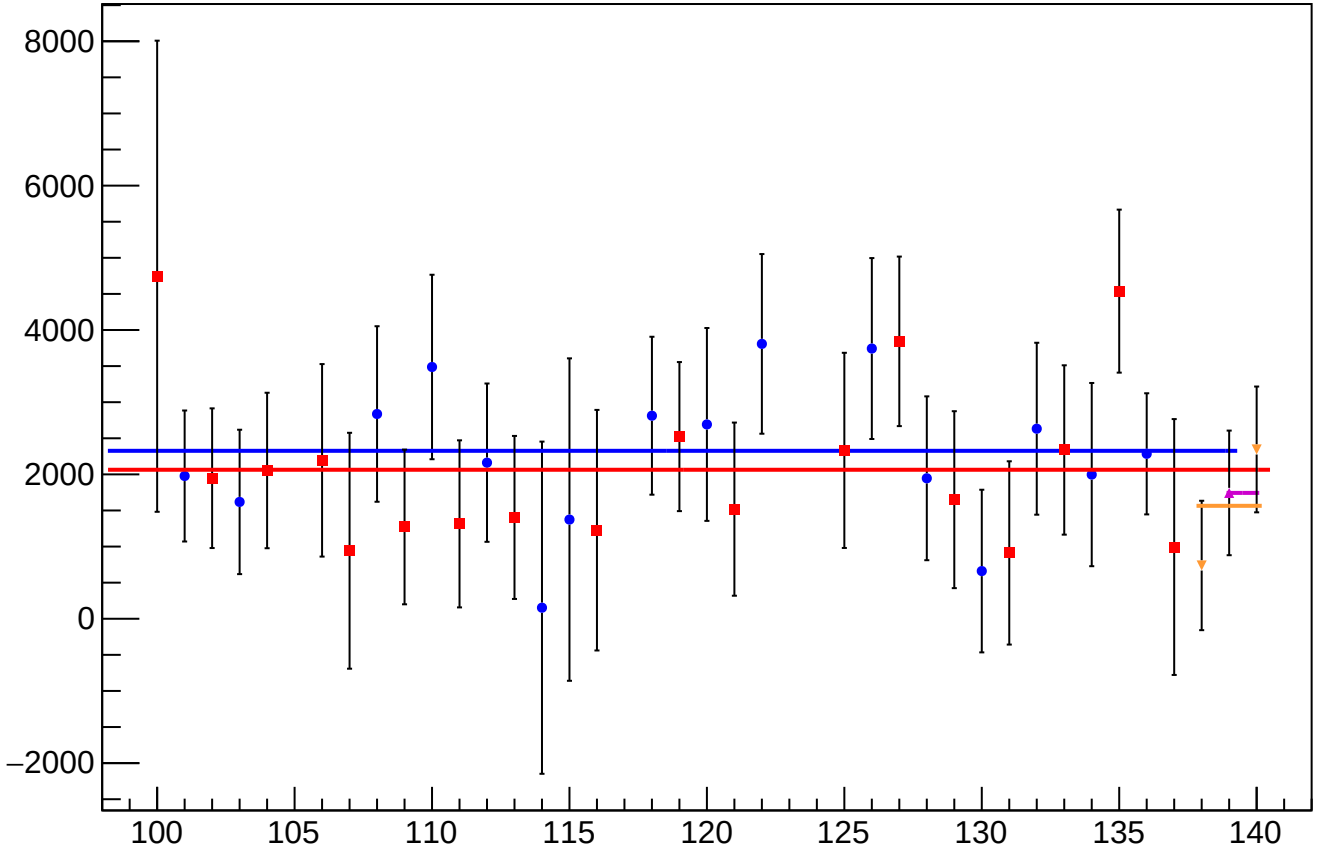
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1181.275+/-0.301 χ^2/NDF:663458.1/16

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

All: 1209.333+/-0.212 χ^2/NDF: 1120402.4/36

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

Left In: 1743.438+/-863.121 χ^2/NDF:0.0/0

Left: 1626.018+/-506.096 χ^2/NDF: 1.7/2

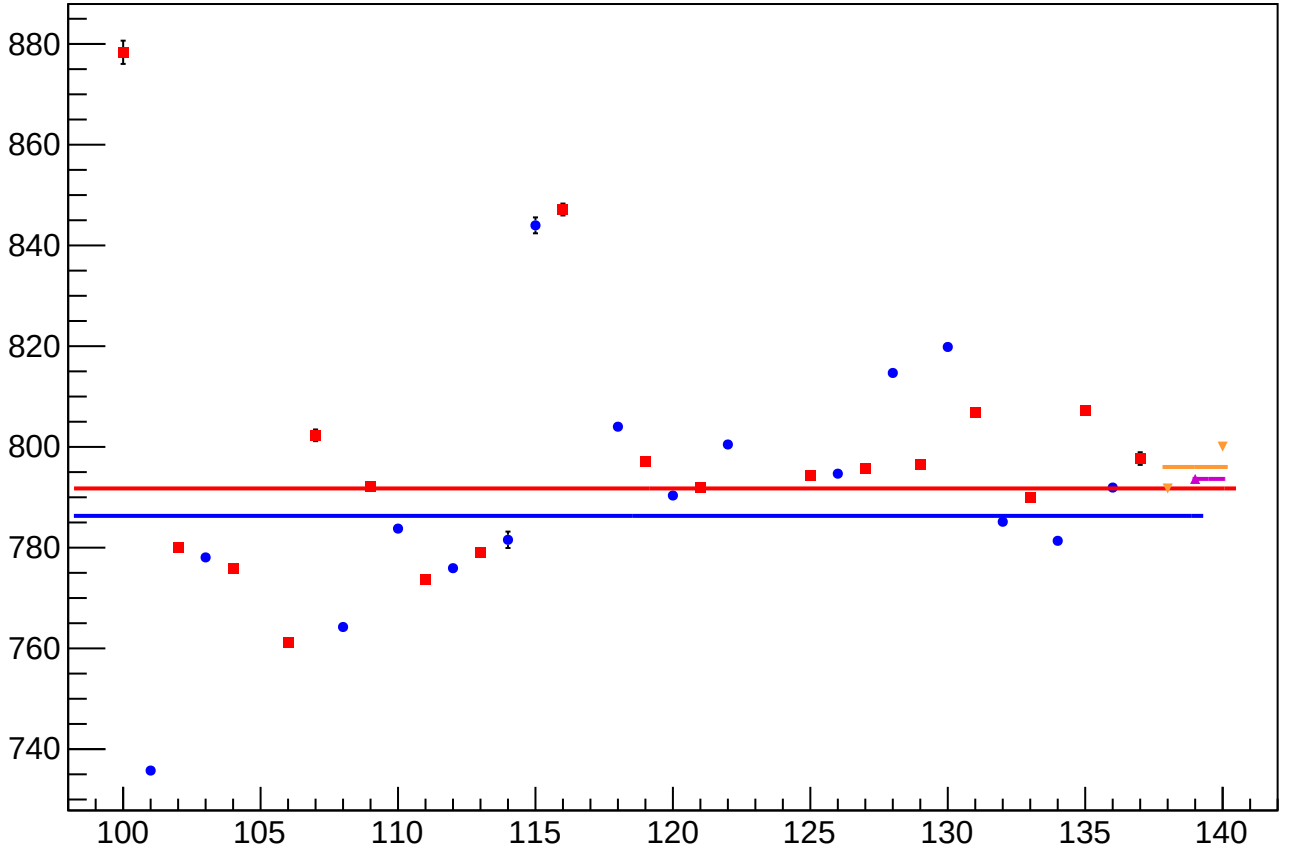
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2266.494+/-276.749 χ^2/NDF:8.6/16

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

All: 2113.844+/-191.167 χ^2/NDF: 23.0/36

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

Left In: 793.649+/-0.610 χ^2/NDF:0.0/0

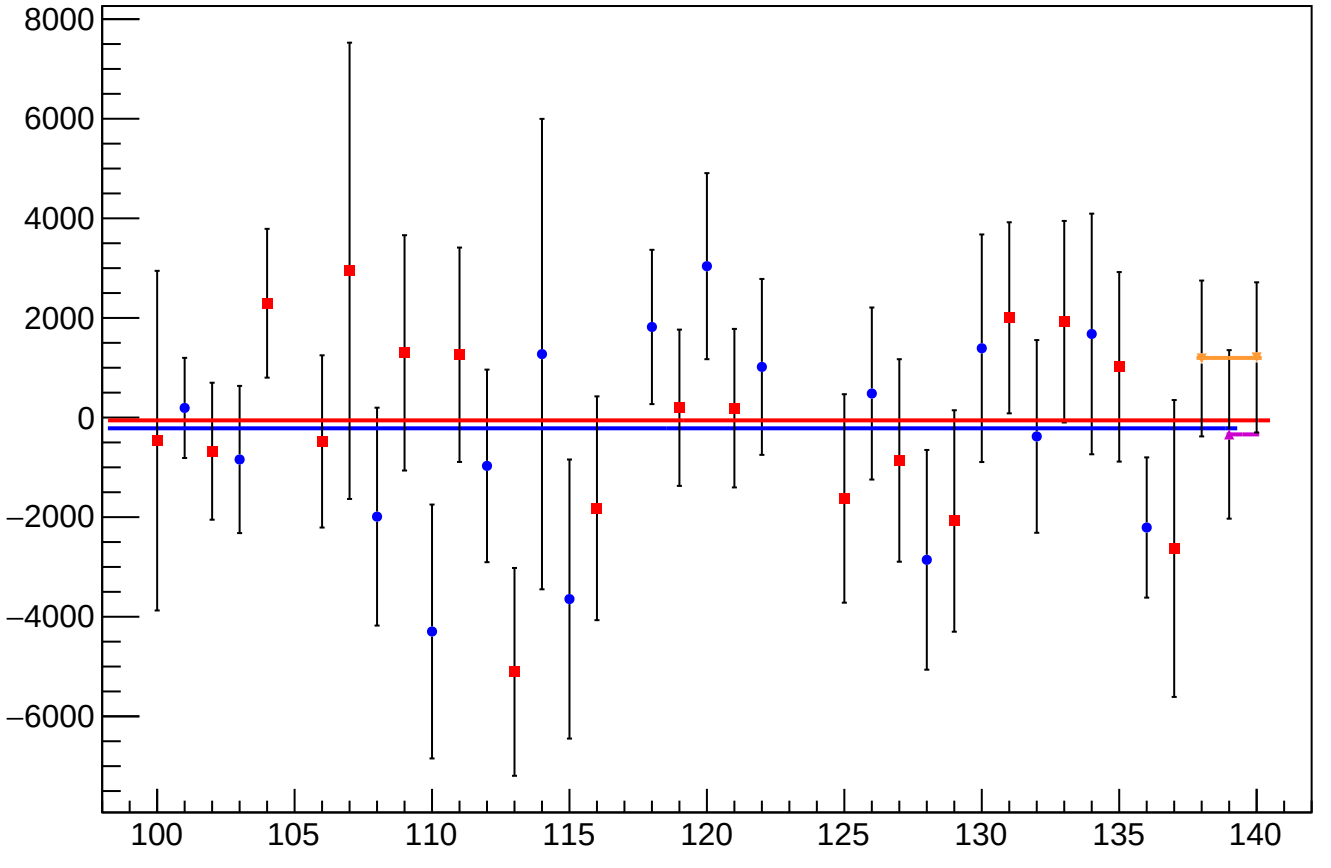
Left: 795.202+/-0.358 χ^2/NDF: 98.3/2

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

In: 787.064+/-0.196 χ^2/NDF:12700.8/16

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

All: 789.916+/-0.135 χ^2/NDF: 20286.9/36



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

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

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

Left In: -338.540+/-1692.257 χ^2/NDF:0.0/0

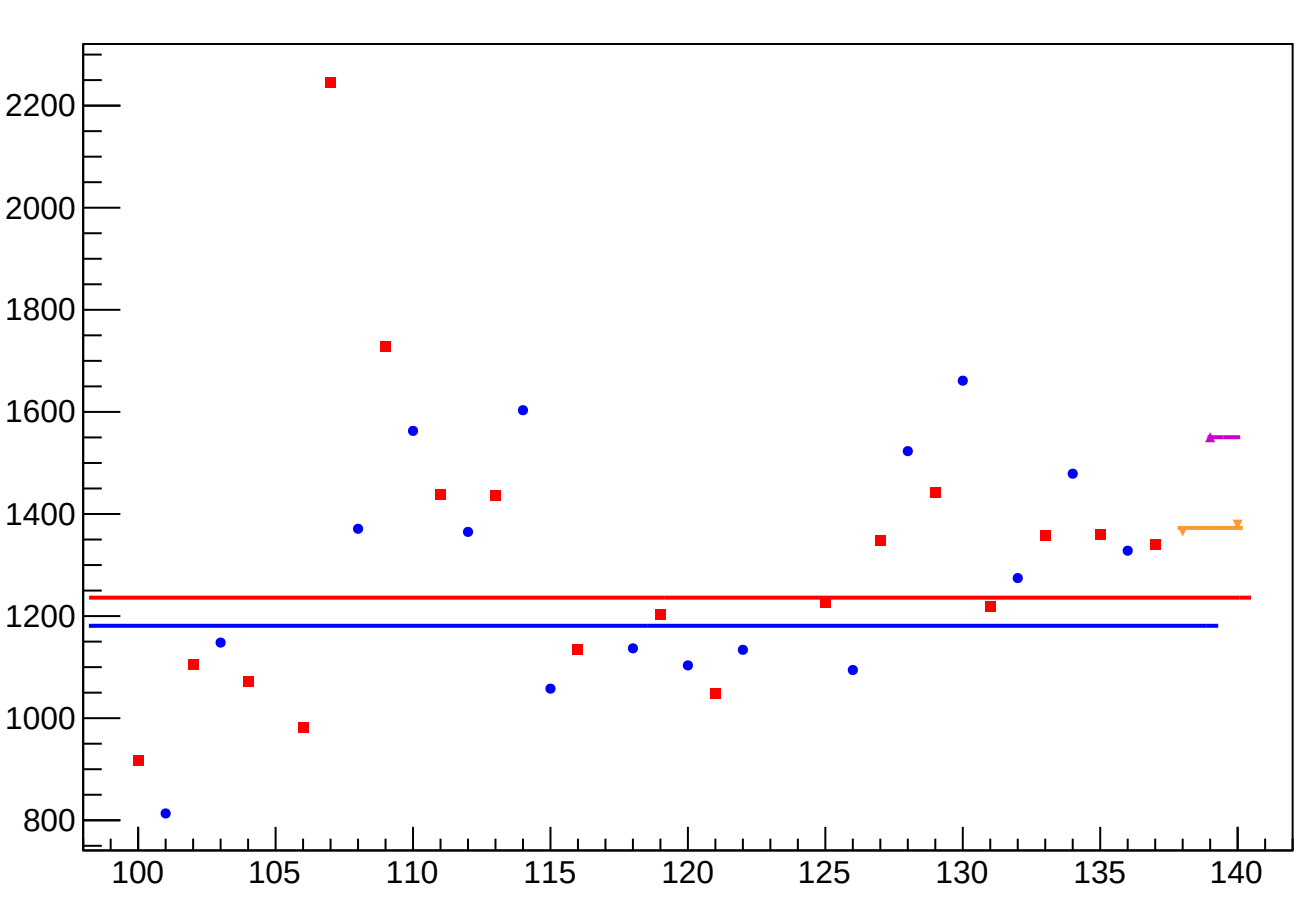
Left: 749.486+/-913.710 χ^2/NDF: 0.6/2

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

In: -224.249+/-434.469 χ^2/NDF:15.3/16

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

All: -40.386+/-304.411 χ^2/NDF: 31.9/36



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

Left Out: 1372.717+/-0.768 χ^2/NDF:72.7/1

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

Left In: 1550.431+/-1.197 χ^2/NDF:0.0/0

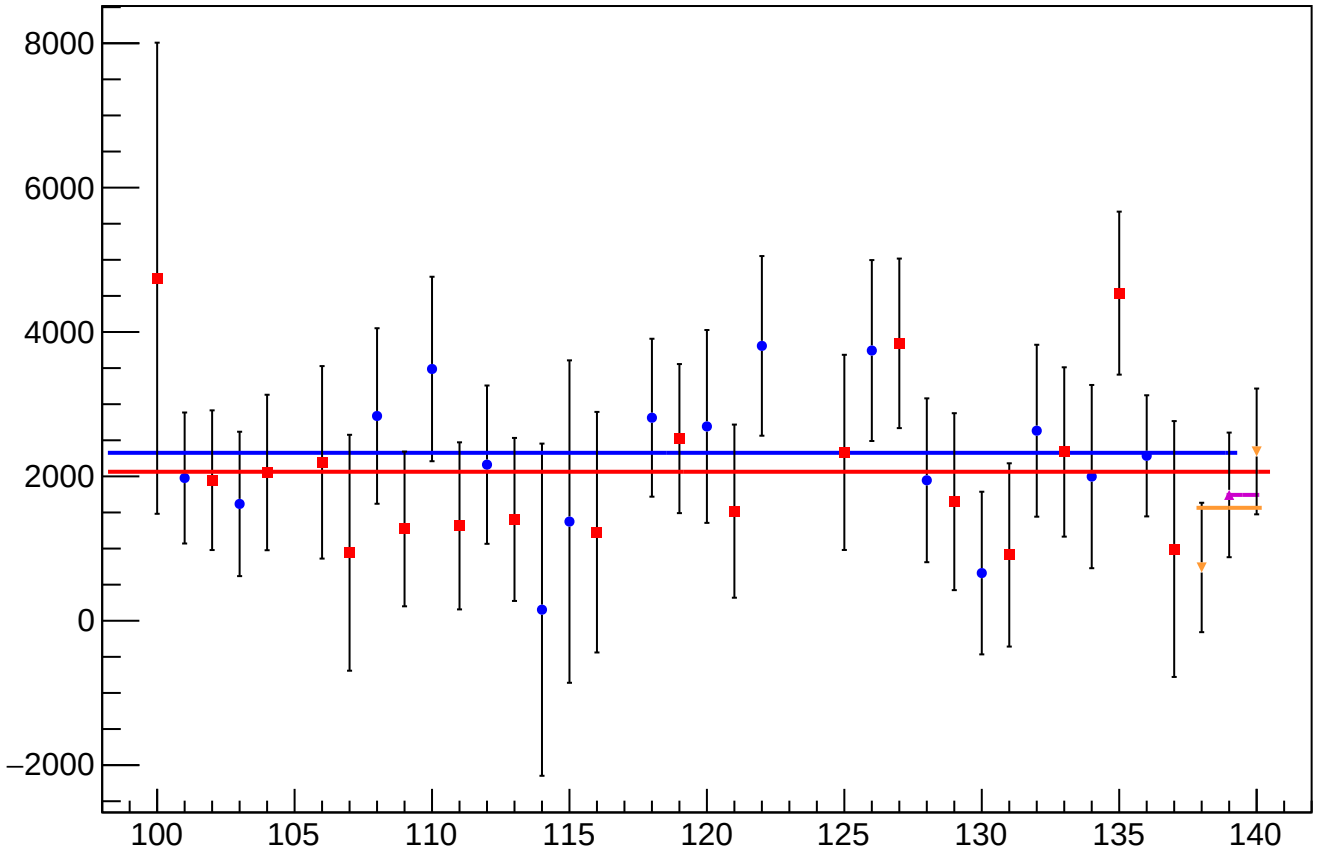
Left: 1424.526+/-0.646 χ^2/NDF: 15699.2/2

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

In: 1205.349+/-0.307 χ^2/NDF:660141.8/16

Out: 1257.232+/-0.302 χ^2/NDF:424085.5/19

All: 1231.762+/-0.215 χ^2/NDF: 1098746.7/36



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

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

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

Left In: 1743.439+/-863.121 χ^2/NDF:0.0/0

Left: 1626.020+/-506.096 χ^2/NDF: 1.7/2

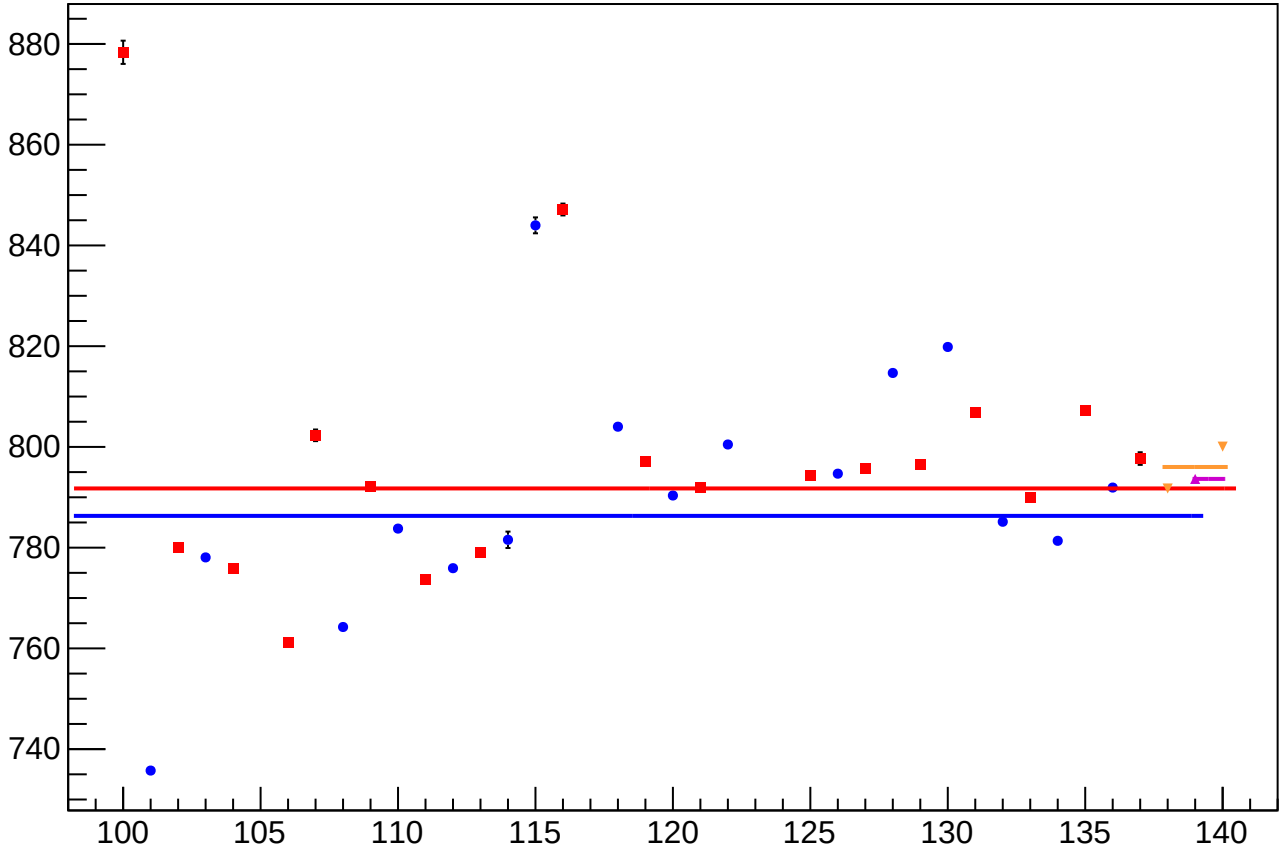
Right: 2195.029+/-206.463 χ^2/NDF: 20.2/33

In: 2266.493+/-276.749 χ^2/NDF:8.6/16

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

All: 2113.843+/-191.167 χ^2/NDF: 23.0/36

eigen_dit_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

Left In: 793.649+/-0.610 χ^2/NDF:0.0/0

Left: 795.202+/-0.358 χ^2/NDF: 98.3/2

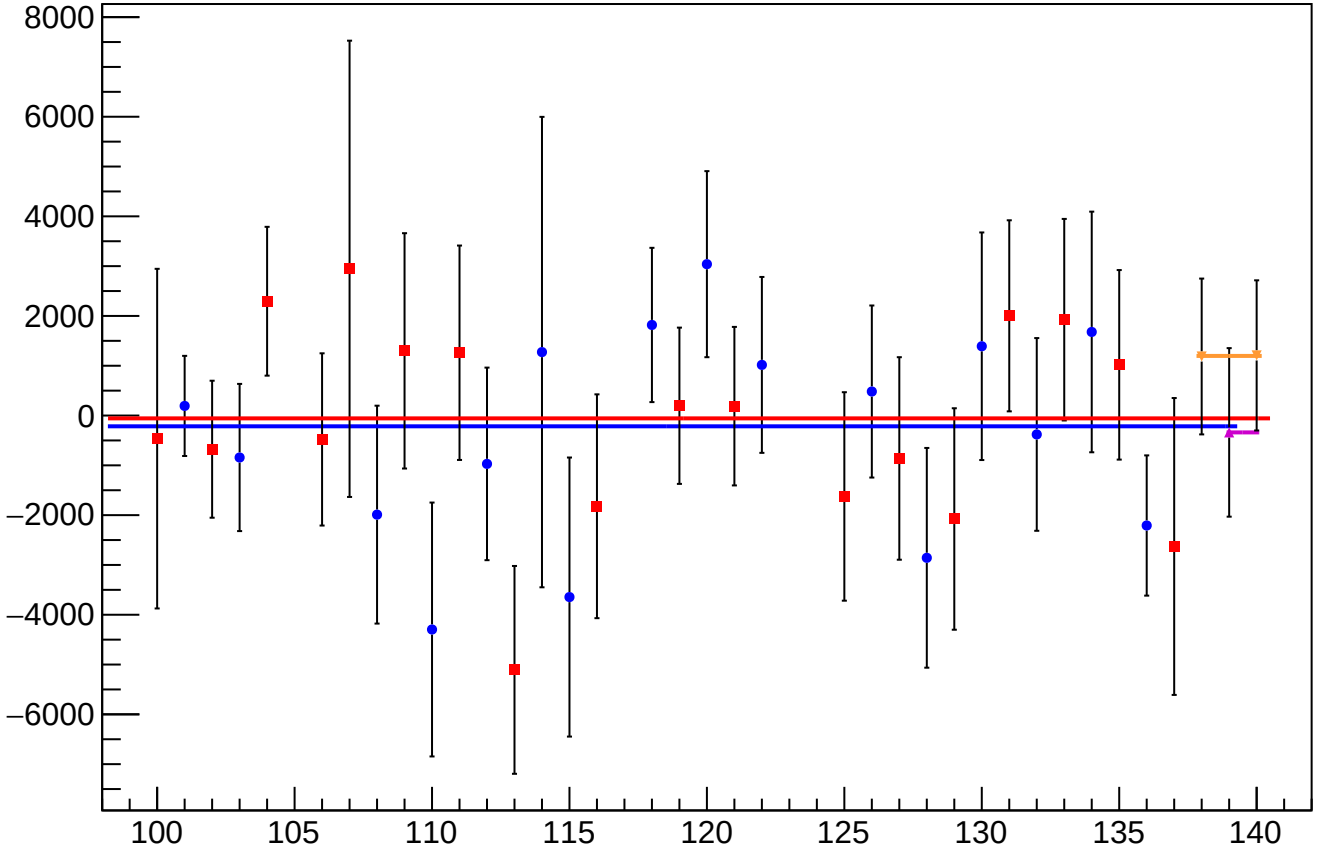
Right: 789.036+/-0.146 χ^2/NDF: 19934.1/33

In: 787.064+/-0.196 χ^2/NDF:12700.8/16

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

All: 789.916+/-0.135 χ^2/NDF: 20286.9/36

asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

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

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

Left In: -338.540+/-1692.262 χ^2/NDF:0.0/0

Left: 749.488+/-913.713 χ^2/NDF: 0.6/2

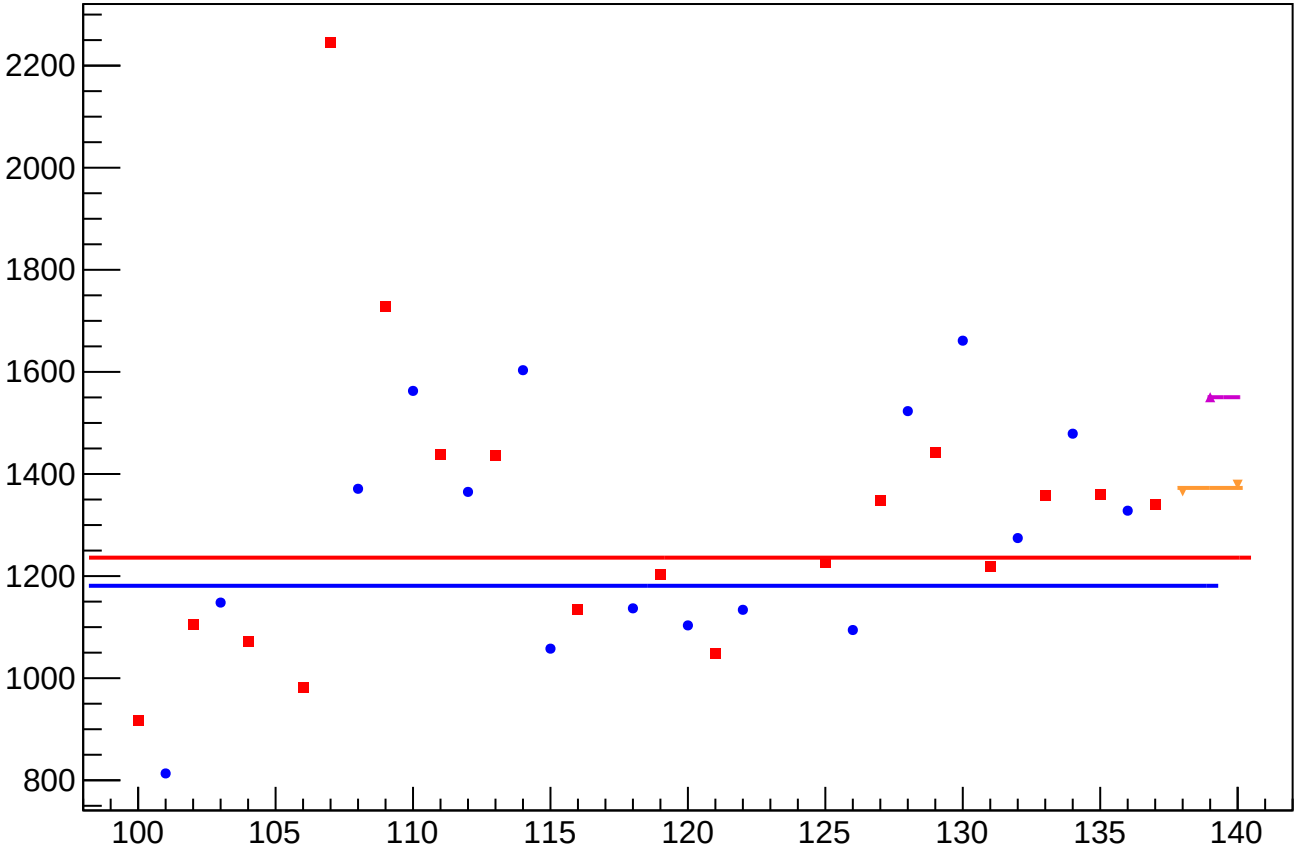
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -224.248+/-434.468 χ^2/NDF:15.3/16

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

All: -40.386+/-304.410 χ^2/NDF: 31.9/36

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

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

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

Left In: 1550.435+/-1.197 χ^2/NDF:0.0/0

Left: 1424.530+/-0.646 χ^2/NDF: 15699.3/2

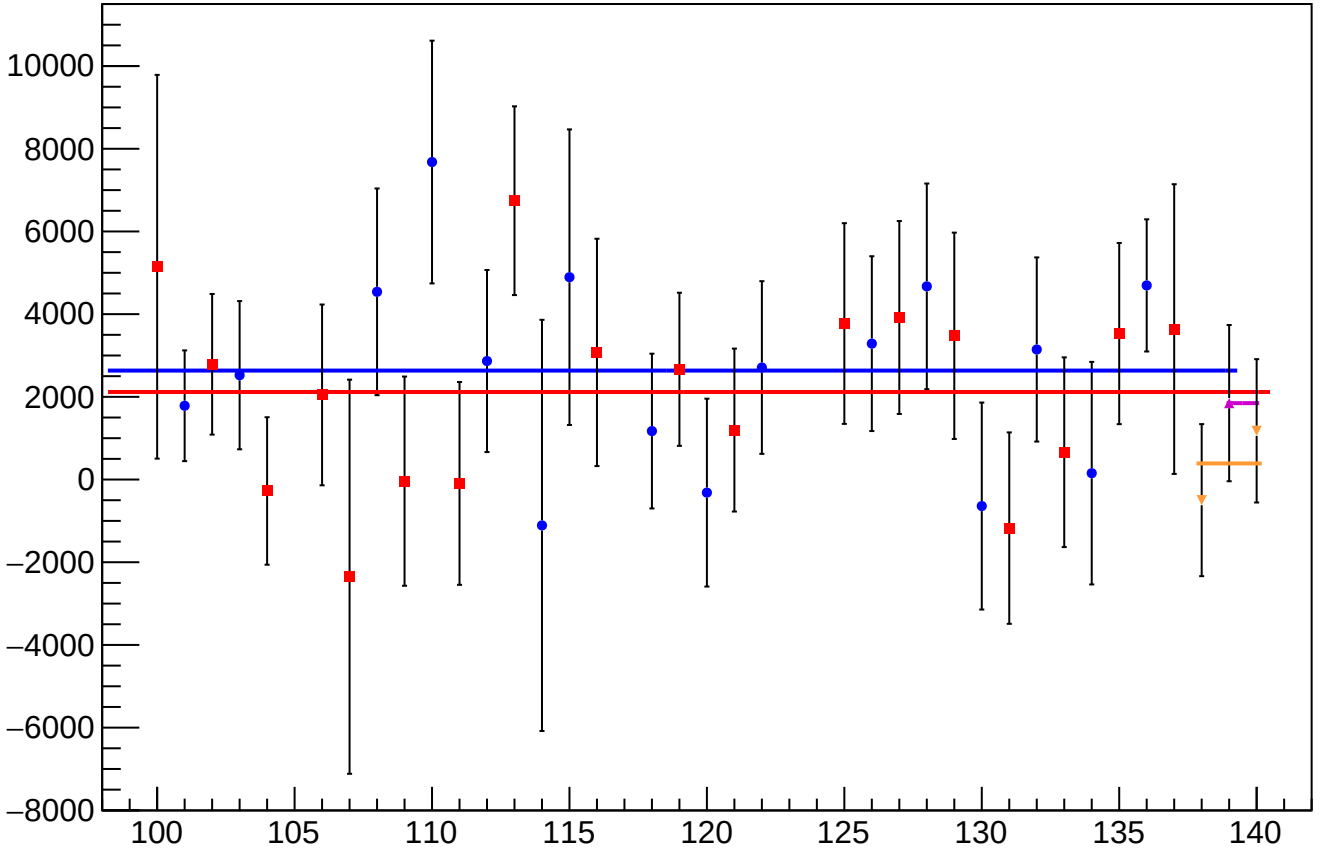
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1205.346+/-0.307 χ^2/NDF:660142.6/16

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

All: 1231.759+/-0.215 χ^2/NDF: 1098748.6/36

asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

Left In: 1847.980+/-1889.463 χ^2/NDF:0.0/0

Left: 838.876+/-1048.983 χ^2/NDF: 0.9/2

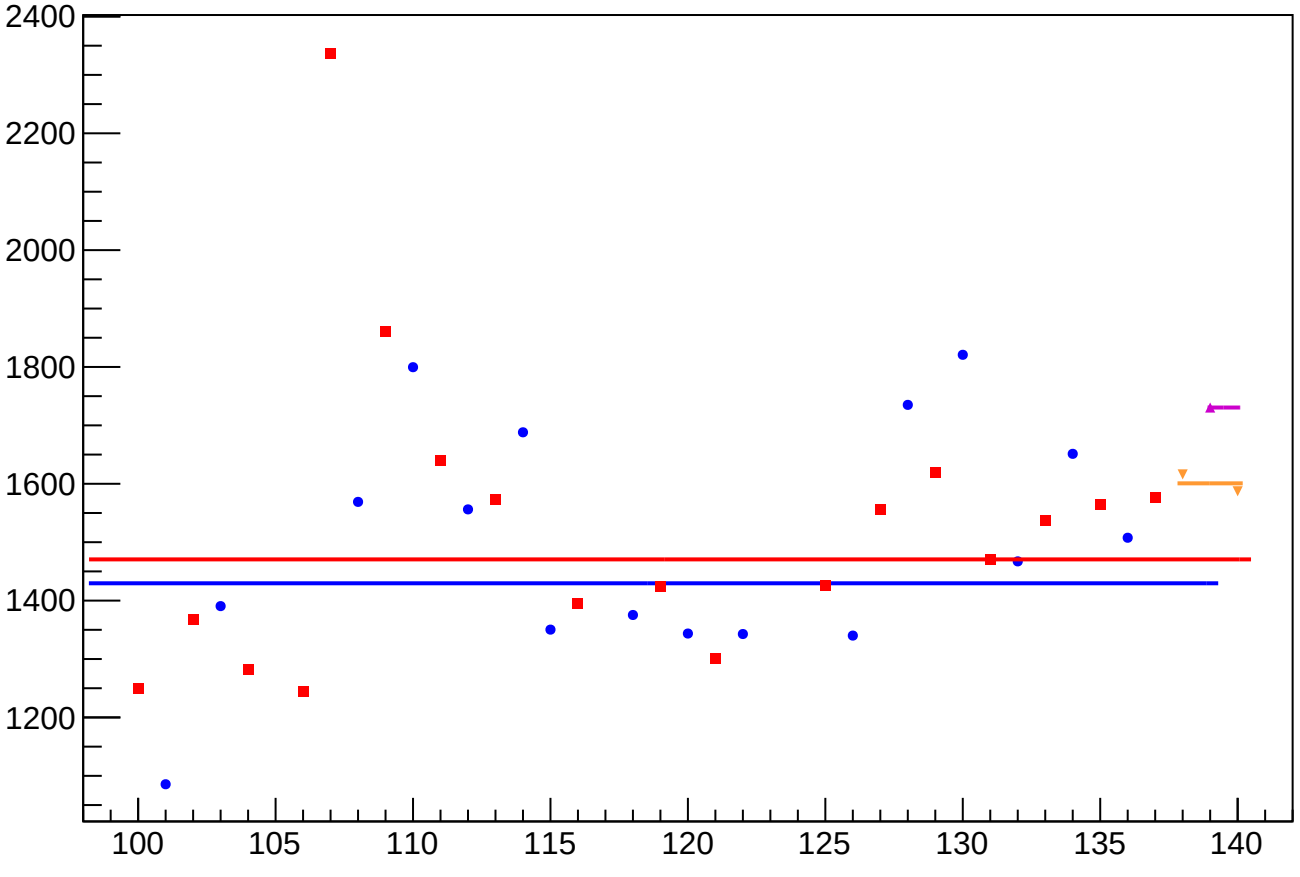
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2576.338+/-517.464 χ^2/NDF:12.4/16

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

All: 2198.794+/-360.387 χ^2/NDF: 29.2/36

asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

Left In: 1730.542+/-1.336 χ^2/NDF:0.0/0

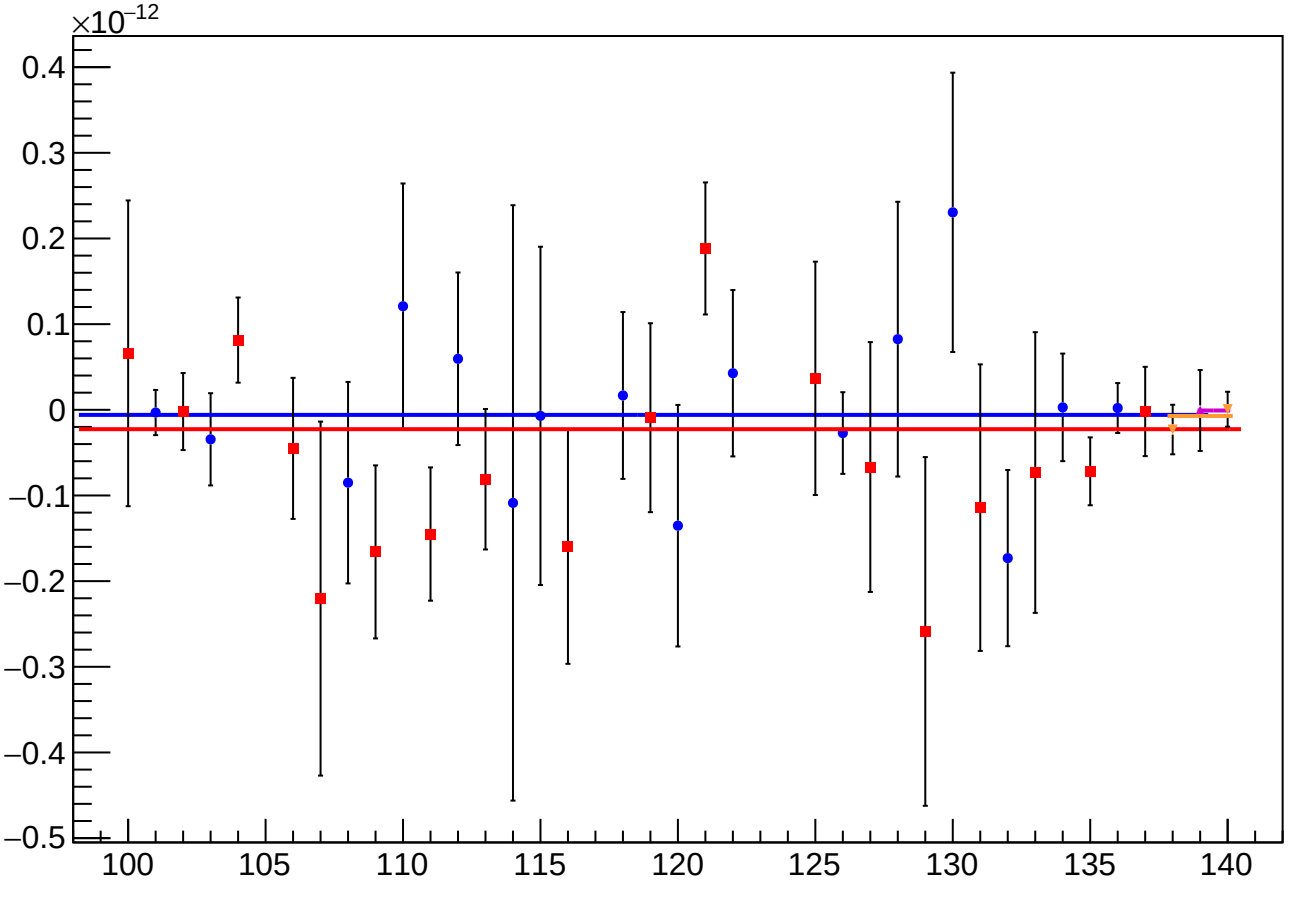
Left: 1640.756+/-0.742 χ^2/NDF: 6790.4/2

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

In: 1452.222+/-0.366 χ^2/NDF:340302.7/16

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

All: 1472.298+/-0.255 χ^2/NDF: 582409.7/36



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

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

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

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

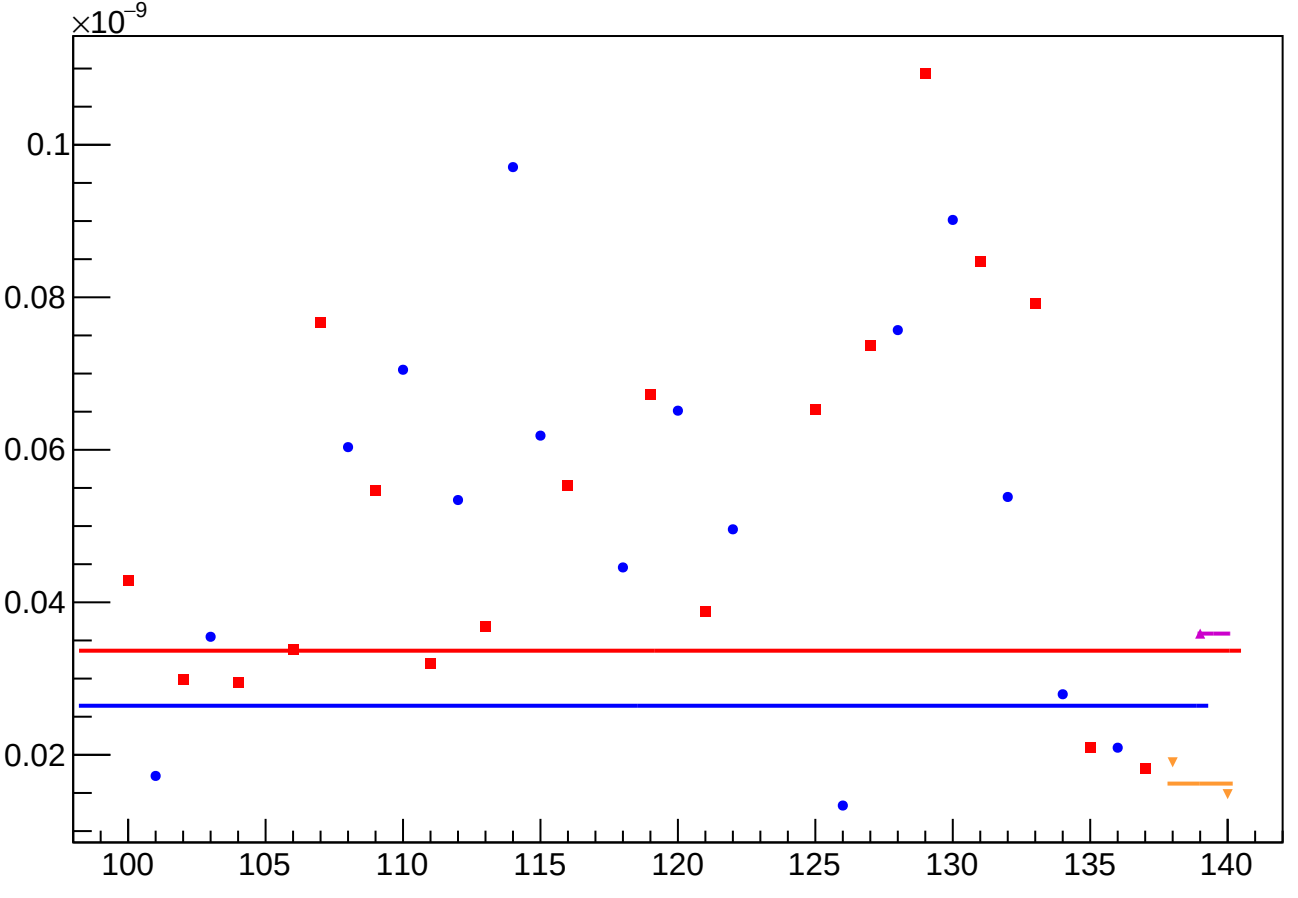
Left: -0.000+/-0.000 χ^2/NDF: 0.5/2

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

In: -0.000+/-0.000 χ^2/NDF:8.5/16

Out: -0.000+/-0.000 χ^2/NDF:23.9/19

All: -0.000+/-0.000 χ^2/NDF: 32.7/36



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

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

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

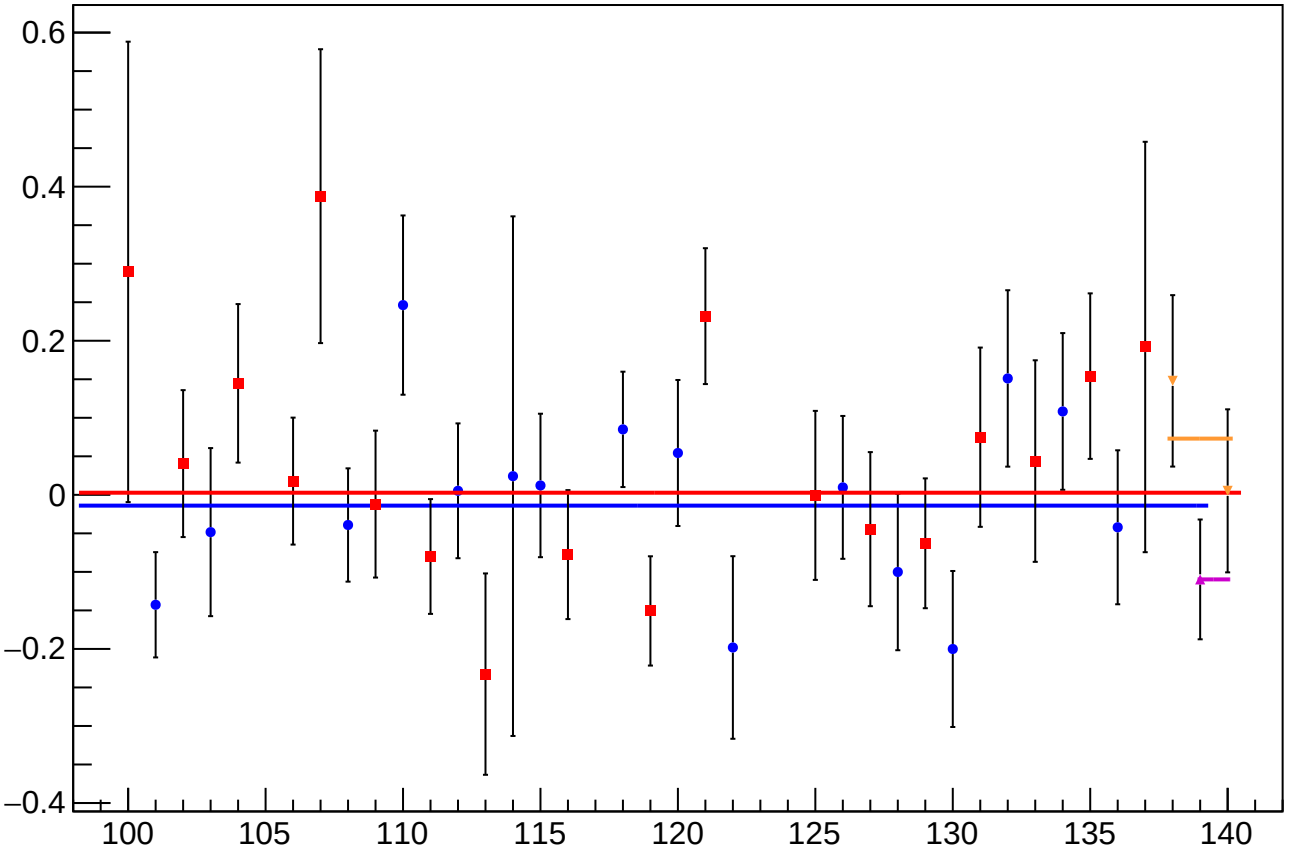
Left: 0.000+/-0.000 χ^2/NDF: 336500.8/2

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

In: 0.000+/-0.000 χ^2/NDF:2211229.7/16

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

All: 0.000+/-0.000 χ^2/NDF: 5003972.2/36



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

Left Out: 0.073+/-0.077 χ^2/NDF:0.9/1

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

Left In: -0.110+/-0.078 χ^2/NDF:0.0/0

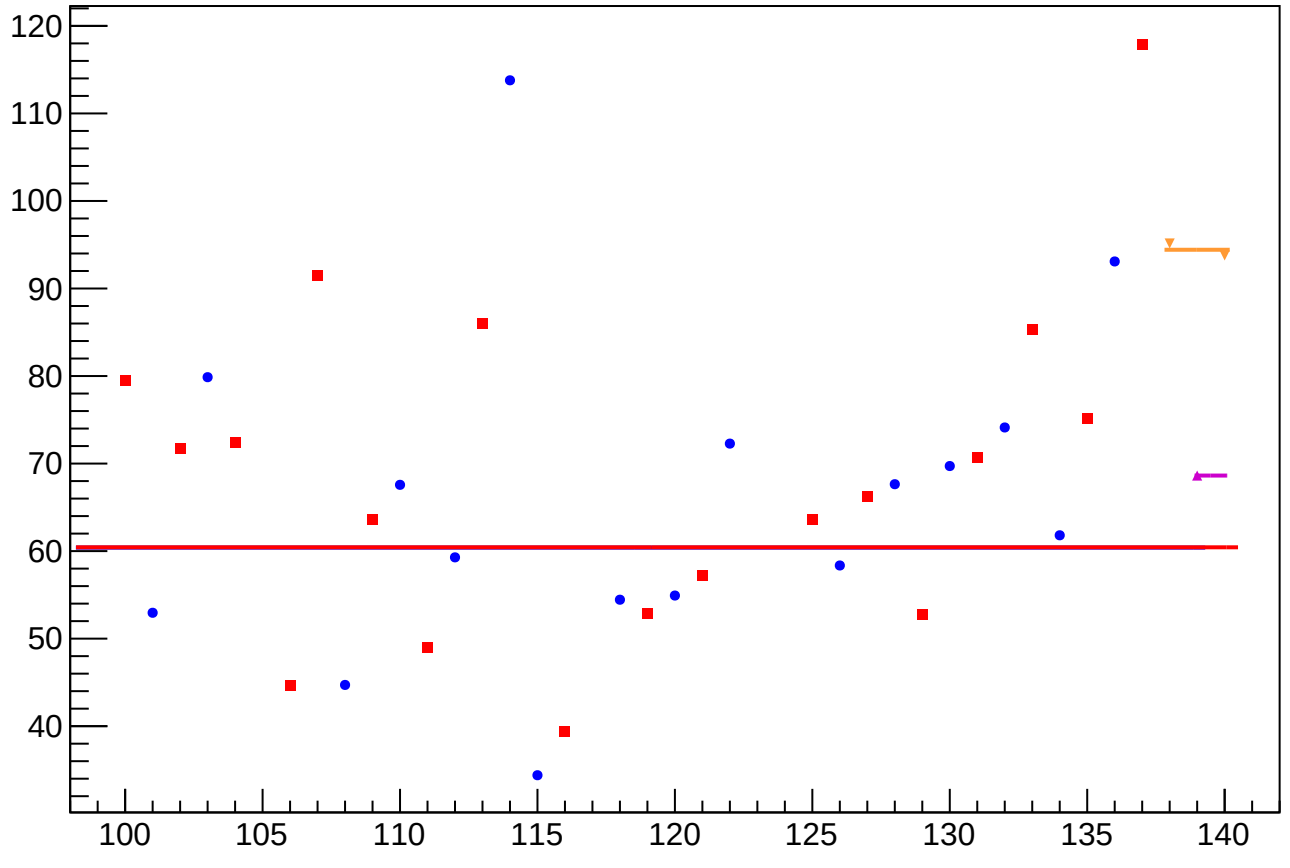
Left: -0.017+/-0.055 χ^2/NDF: 3.7/2

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

In: -0.022+/-0.023 χ^2/NDF:22.7/16

Out: 0.009+/-0.023 χ^2/NDF:29.4/19

All: -0.007+/-0.016 χ^2/NDF: 53.1/36



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

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

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

Left In: 68.630+/-0.055 χ^2/NDF:0.0/0

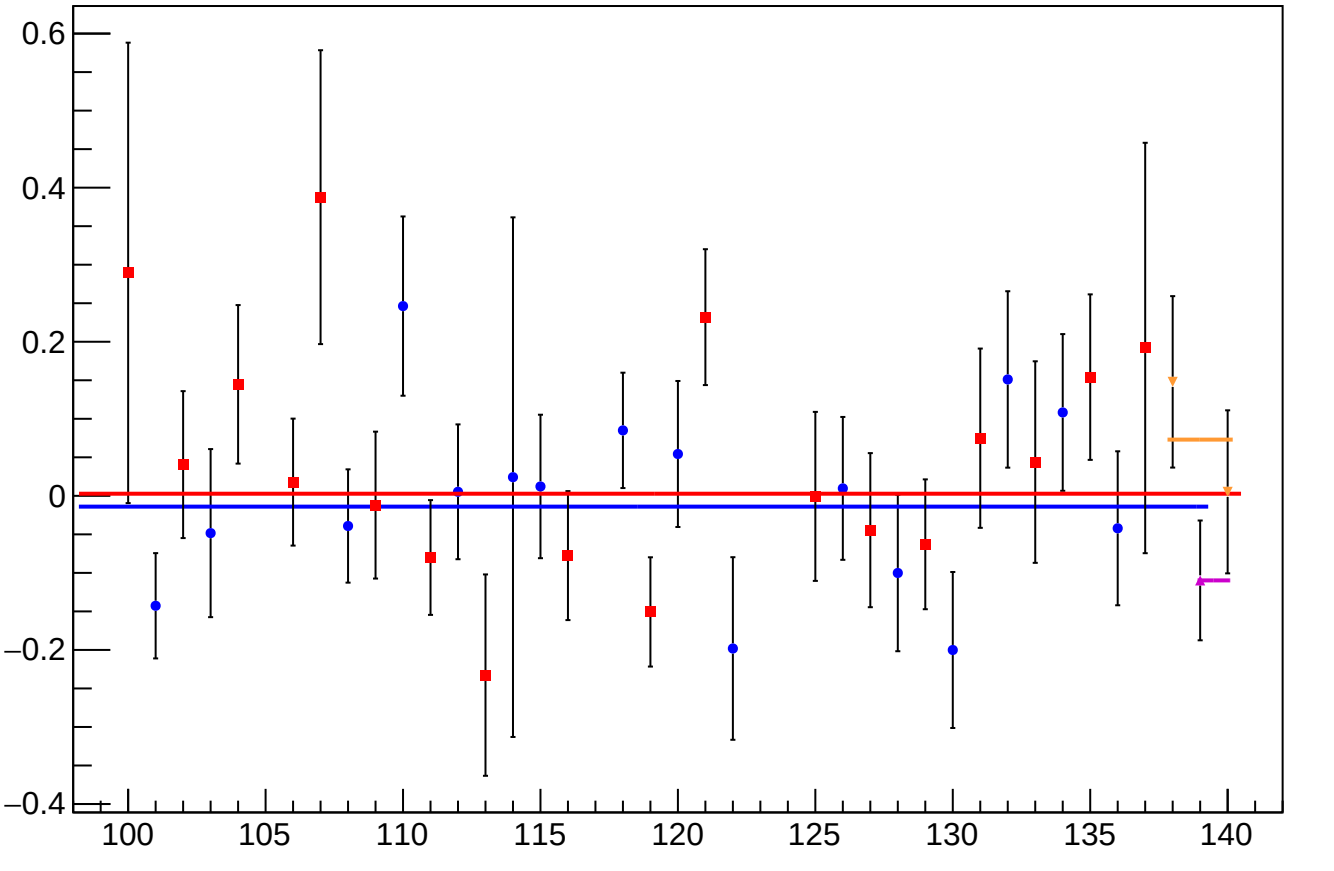
Left: 81.707+/-0.039 χ^2/NDF: 111777.7/2

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

In: 61.108+/-0.016 χ^2/NDF:723643.3/16

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

All: 62.268+/-0.011 χ^2/NDF: 1803756.5/36



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

Left Out: 0.073+/-0.077 χ^2/NDF:0.9/1

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

Left In: -0.110+/-0.078 χ^2/NDF:0.0/0

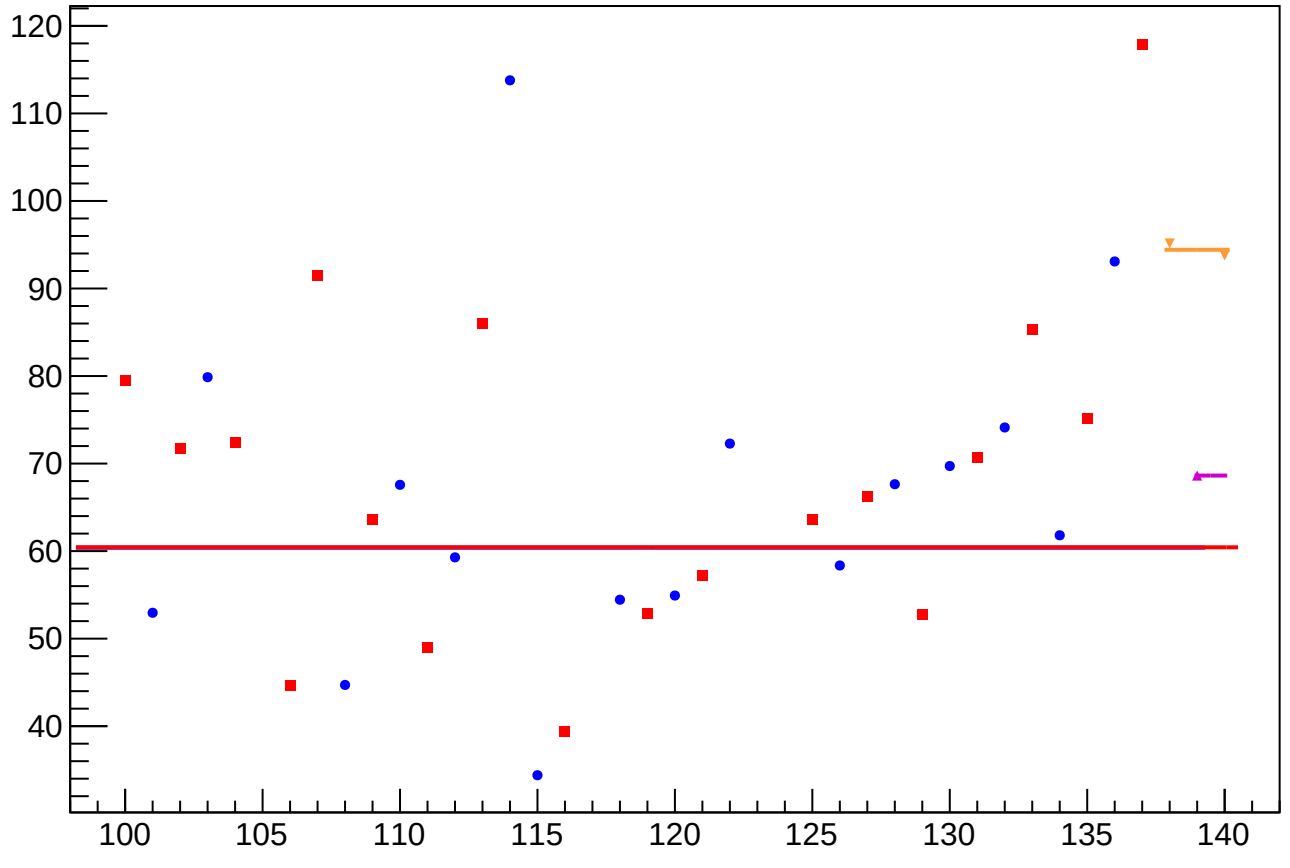
Left: -0.017+/-0.055 χ^2/NDF: 3.7/2

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

In: -0.022+/-0.023 χ^2/NDF:22.7/16

Out: 0.009+/-0.023 χ^2/NDF:29.4/19

All: -0.007+/-0.016 χ^2/NDF: 53.1/36



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

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

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

Left In: 68.630+/-0.055 χ^2/NDF:0.0/0

Left: 81.707+/-0.039 χ^2/NDF: 111777.7/2

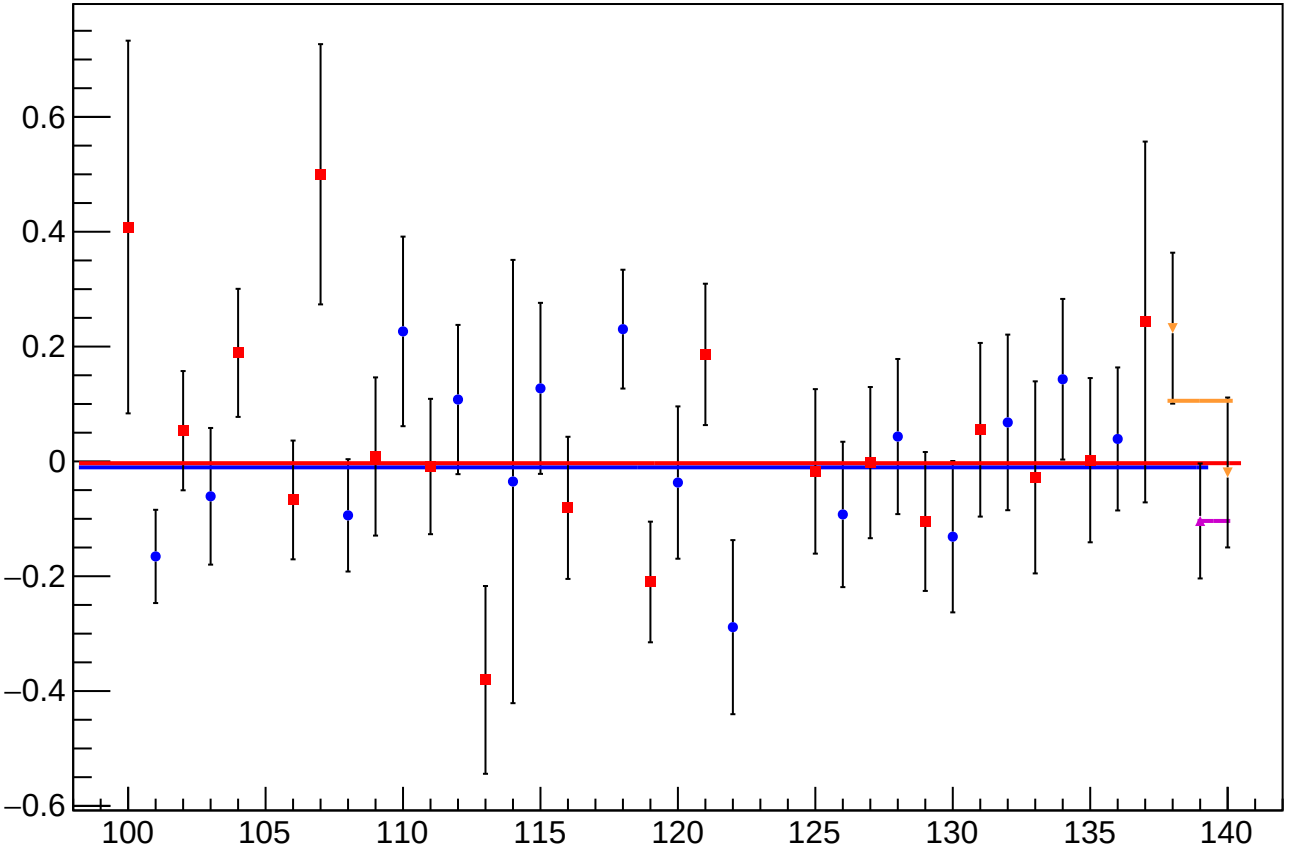
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 61.108+/-0.016 χ^2/NDF:723643.3/16

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

All: 62.268+/-0.011 χ^2/NDF: 1803756.5/36

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.106+/-0.093 χ^2/NDF:1.8/1

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

Left In: -0.104+/-0.100 χ^2/NDF:0.0/0

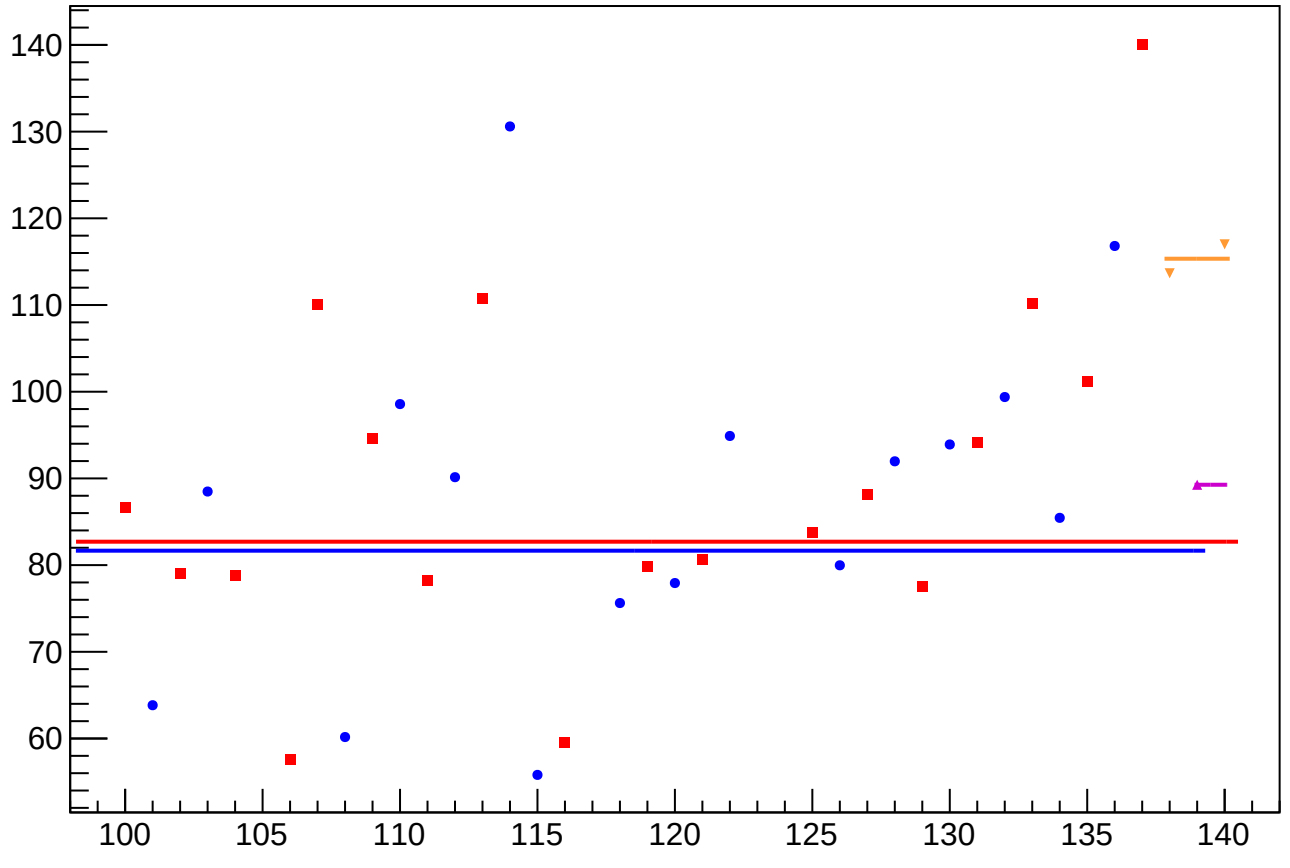
Left: 0.009+/-0.068 χ^2/NDF: 4.2/2

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

In: -0.019+/-0.030 χ^2/NDF:21.0/16

Out: 0.008+/-0.030 χ^2/NDF:26.7/19

All: -0.005+/-0.021 χ^2/NDF: 48.1/36



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

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

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

Left In: 89.268+/-0.071 χ^2/NDF:0.0/0

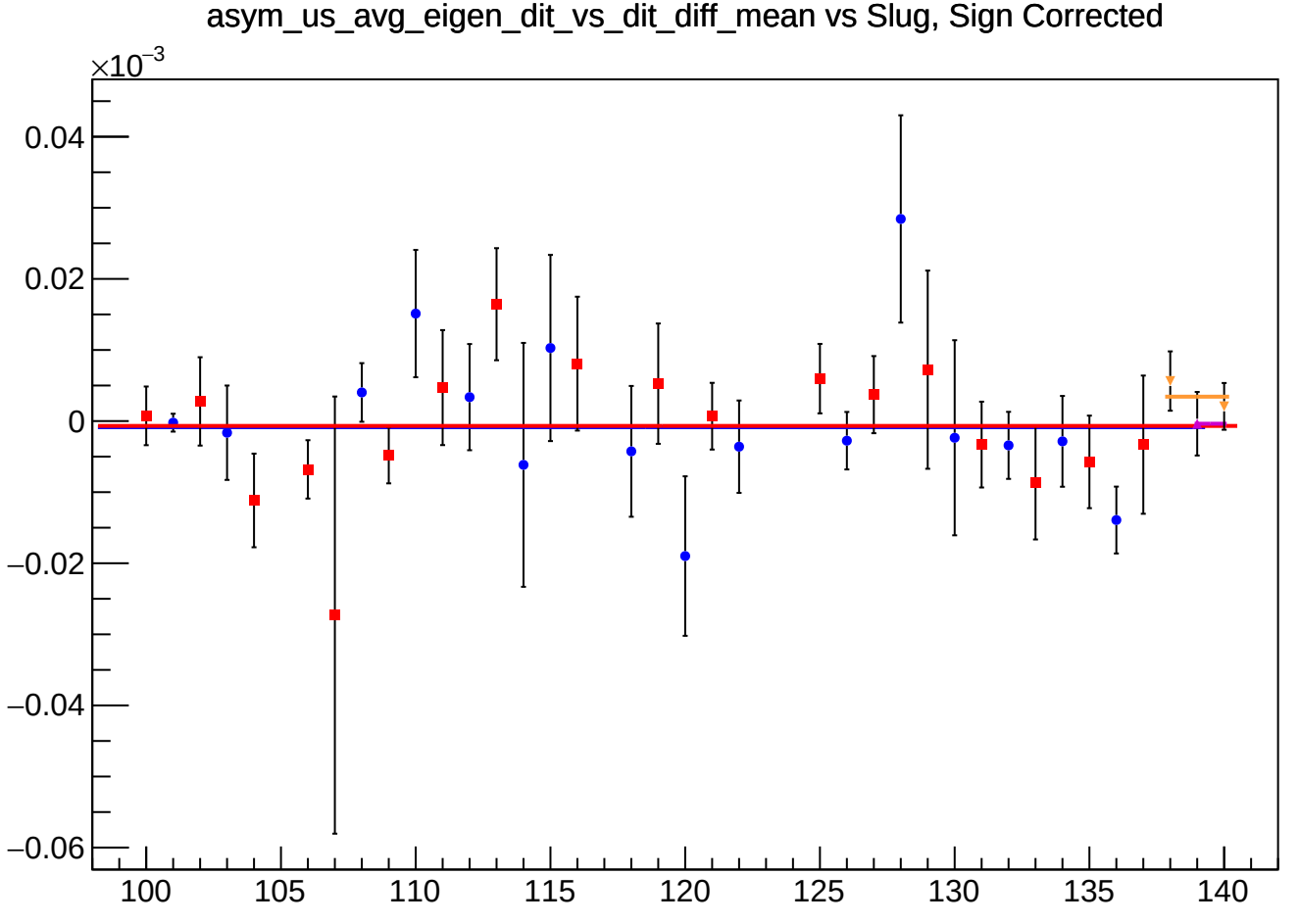
Left: 103.321+/-0.048 χ^2/NDF: 73698.4/2

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

In: 82.352+/-0.021 χ^2/NDF:572334.3/16

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

All: 84.249+/-0.015 χ^2/NDF: 1284080.3/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/1

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

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

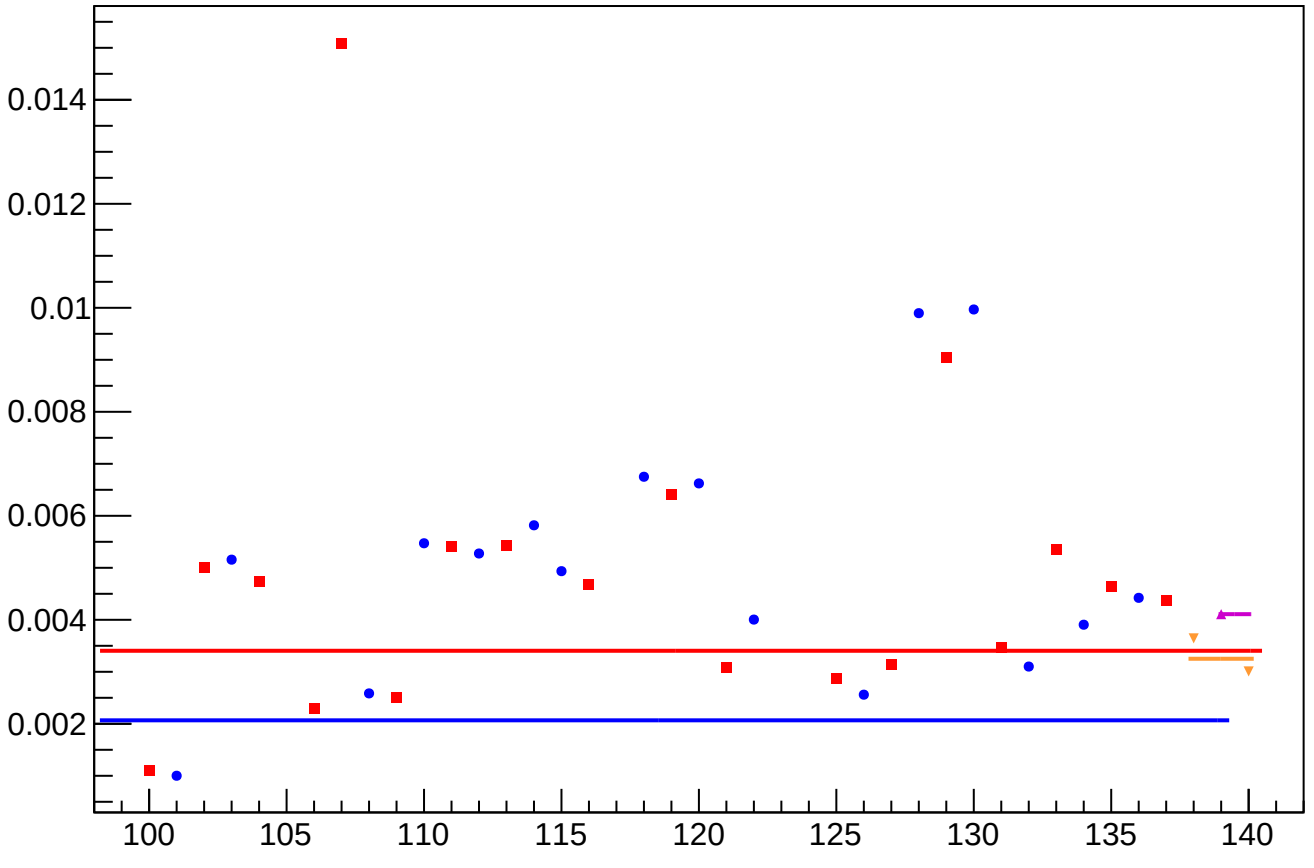
Left: 0.000+/-0.000 χ^2/NDF: 1.0/2

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

In: -0.000+/-0.000 χ^2/NDF:21.3/16

Out: 0.000+/-0.000 χ^2/NDF:20.7/19

All: -0.000+/-0.000 χ^2/NDF: 42.5/36



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

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

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

Left In: 0.004+/-0.000 χ^2/NDF:0.0/0

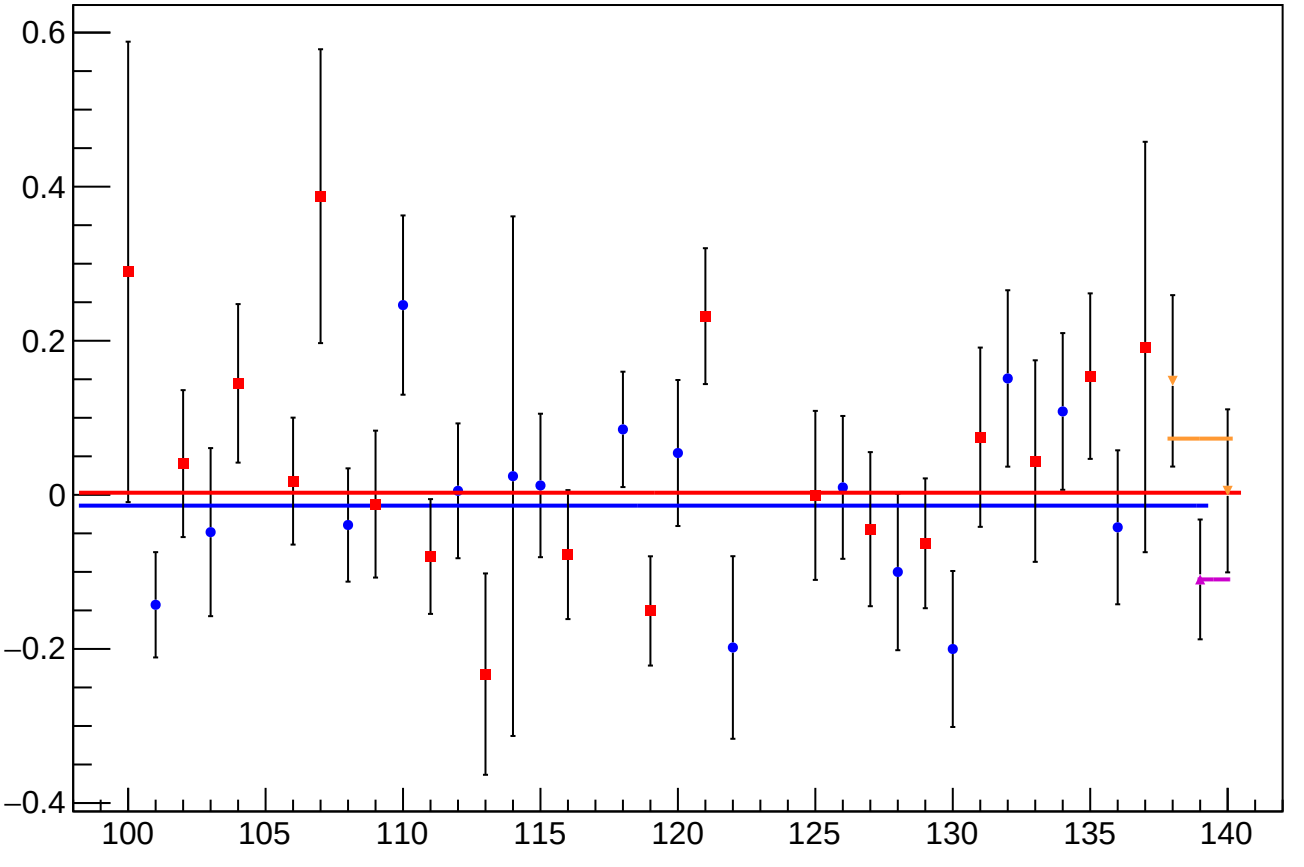
Left: 0.003+/-0.000 χ^2/NDF: 83858.5/2

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

In: 0.002+/-0.000 χ^2/NDF:6210416.3/16

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

All: 0.003+/-0.000 χ^2/NDF: 9882339.1/36



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

Left Out: 0.073+/-0.077 χ^2/NDF:0.9/1

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

Left In: -0.110+/-0.078 χ^2/NDF:0.0/0

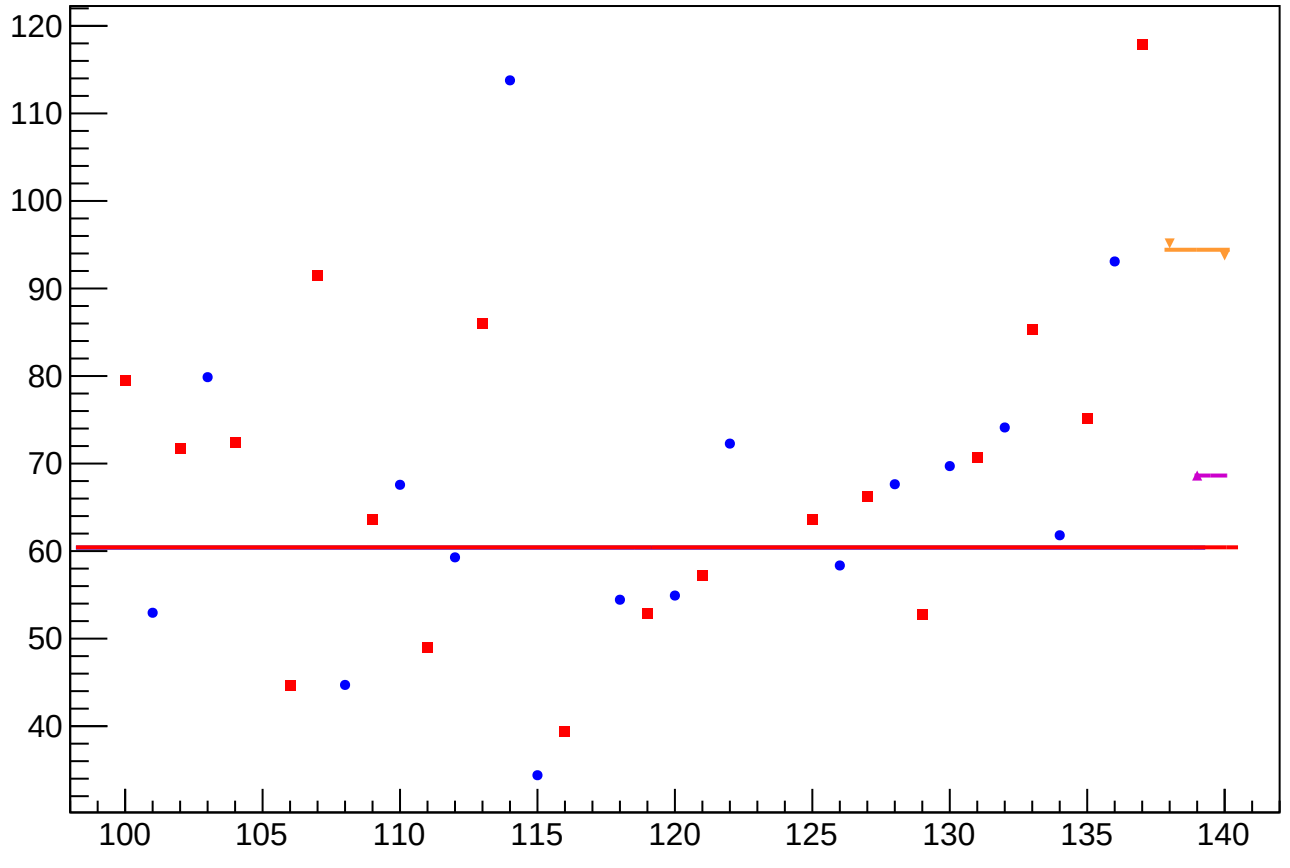
Left: -0.017+/-0.055 χ^2/NDF: 3.7/2

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

In: -0.022+/-0.023 χ^2/NDF:22.7/16

Out: 0.009+/-0.023 χ^2/NDF:29.4/19

All: -0.007+/-0.016 χ^2/NDF: 53.1/36



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

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

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

Left In: 68.631+/-0.055 χ^2/NDF:0.0/0

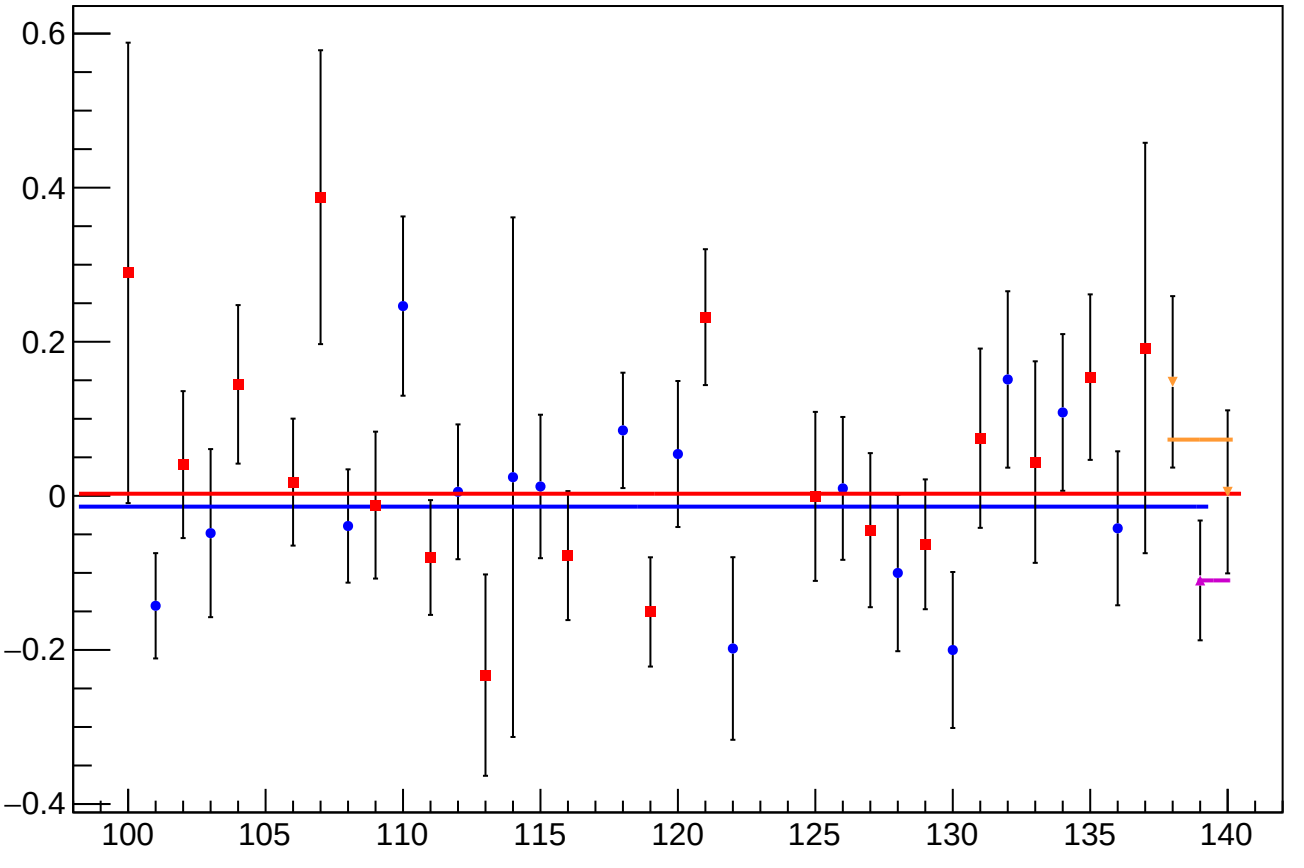
Left: 81.707+/-0.039 χ^2/NDF: 111767.1/2

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

In: 61.107+/-0.016 χ^2/NDF:723667.4/16

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

All: 62.267+/-0.011 χ^2/NDF: 1803844.7/36



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

Left Out: 0.073+/-0.077 χ^2/NDF:0.9/1

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

Left In: -0.110+/-0.078 χ^2/NDF:0.0/0

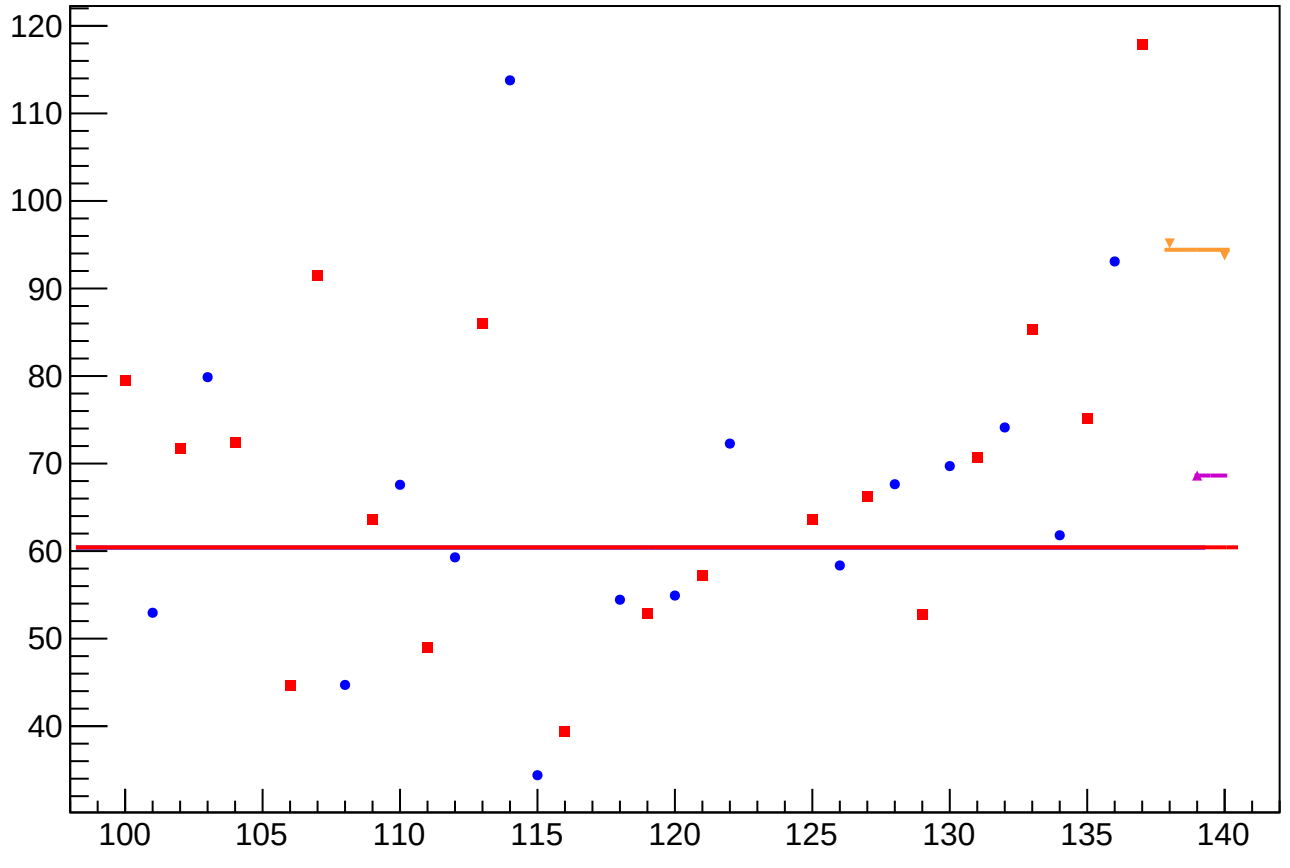
Left: -0.017+/-0.055 χ^2/NDF: 3.7/2

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

In: -0.022+/-0.023 χ^2/NDF:22.7/16

Out: 0.009+/-0.023 χ^2/NDF:29.4/19

All: -0.007+/-0.016 χ^2/NDF: 53.1/36



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

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

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

Left In: 68.631+/-0.055 χ^2/NDF:0.0/0

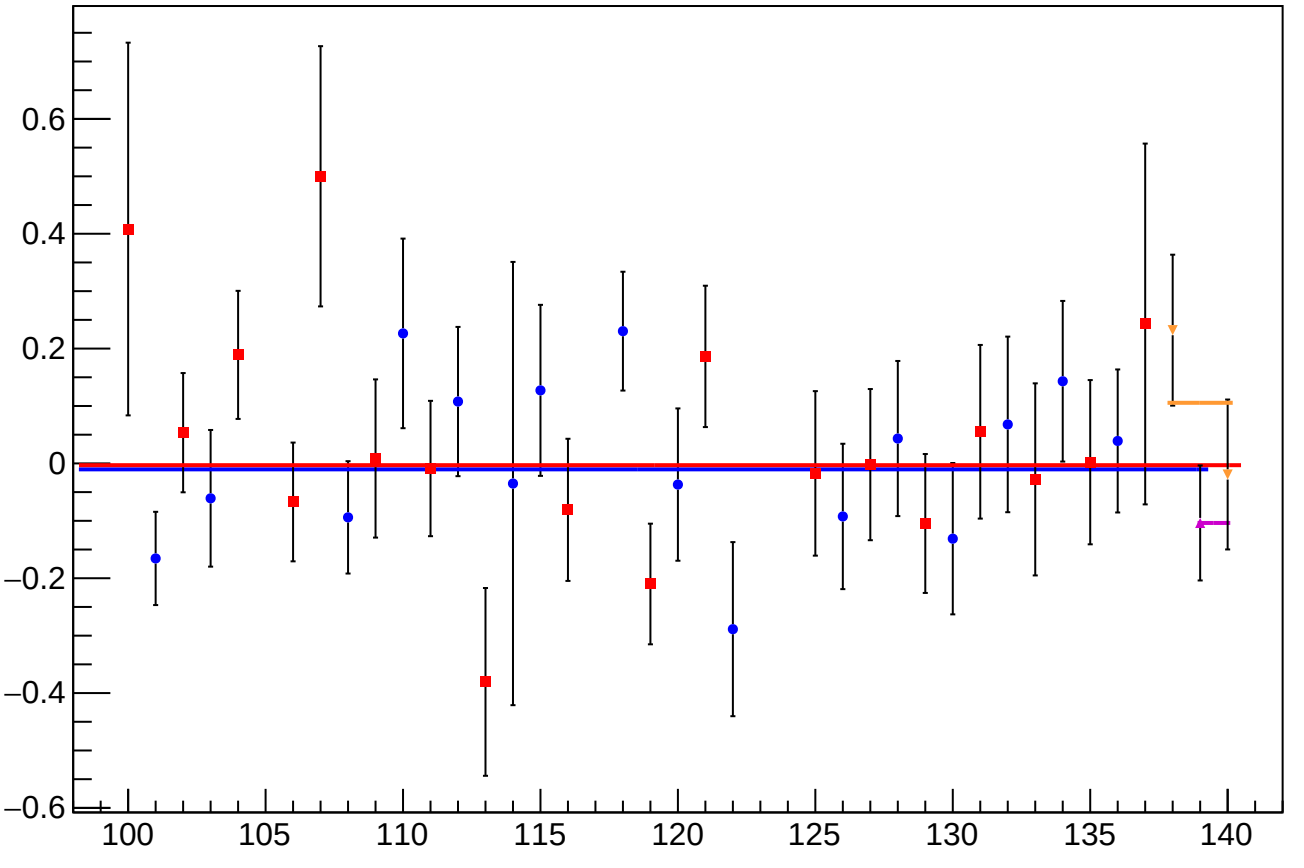
Left: 81.707+/-0.039 χ^2/NDF: 111767.1/2

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

In: 61.107+/-0.016 χ^2/NDF:723667.4/16

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

All: 62.267+/-0.011 χ^2/NDF: 1803844.7/36



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

Left Out: 0.106+/-0.093 χ^2/NDF:1.8/1

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

Left In: -0.104+/-0.100 χ^2/NDF:0.0/0

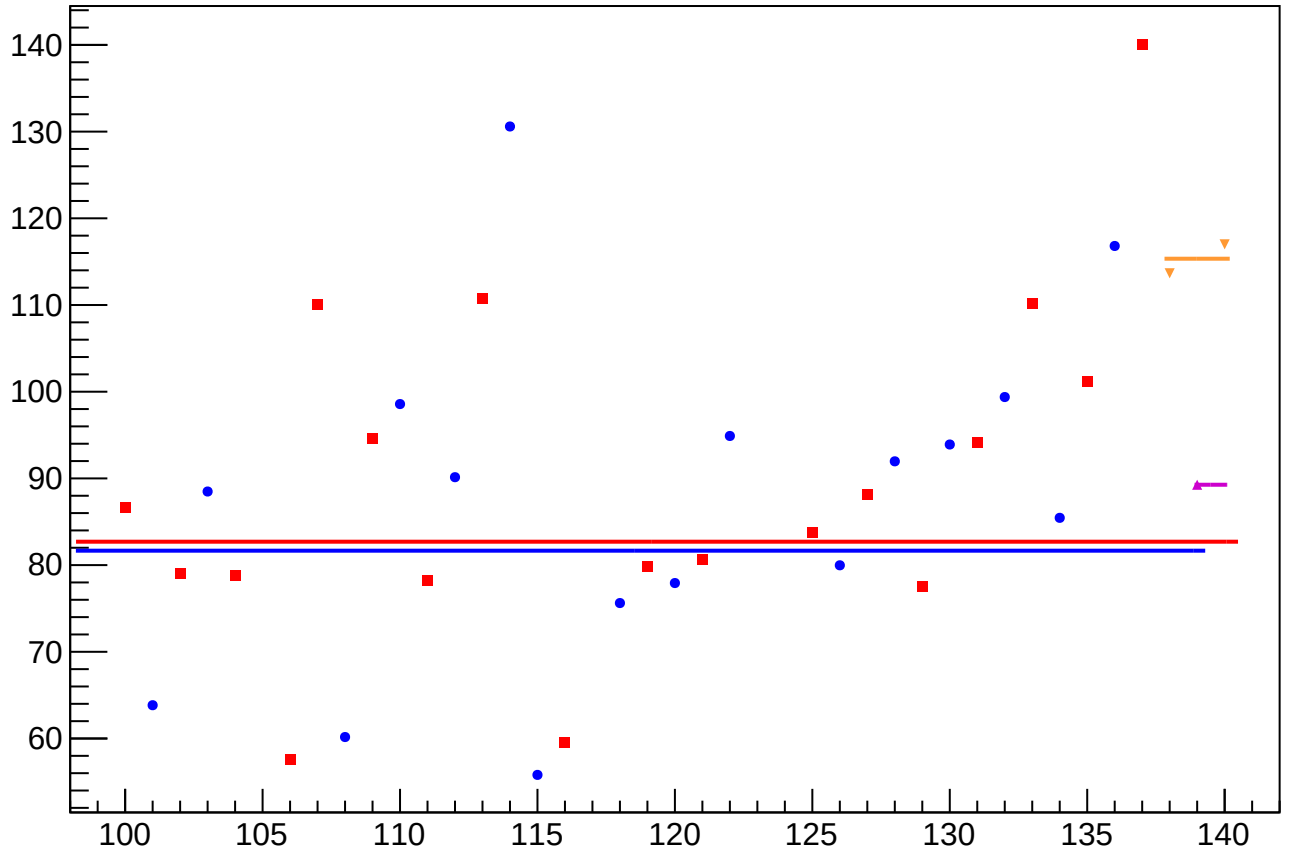
Left: 0.009+/-0.068 χ^2/NDF: 4.2/2

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

In: -0.019+/-0.030 χ^2/NDF:21.0/16

Out: 0.008+/-0.030 χ^2/NDF:26.7/19

All: -0.005+/-0.021 χ^2/NDF: 48.1/36



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

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

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

Left In: 89.269+/-0.071 χ^2/NDF:0.0/0

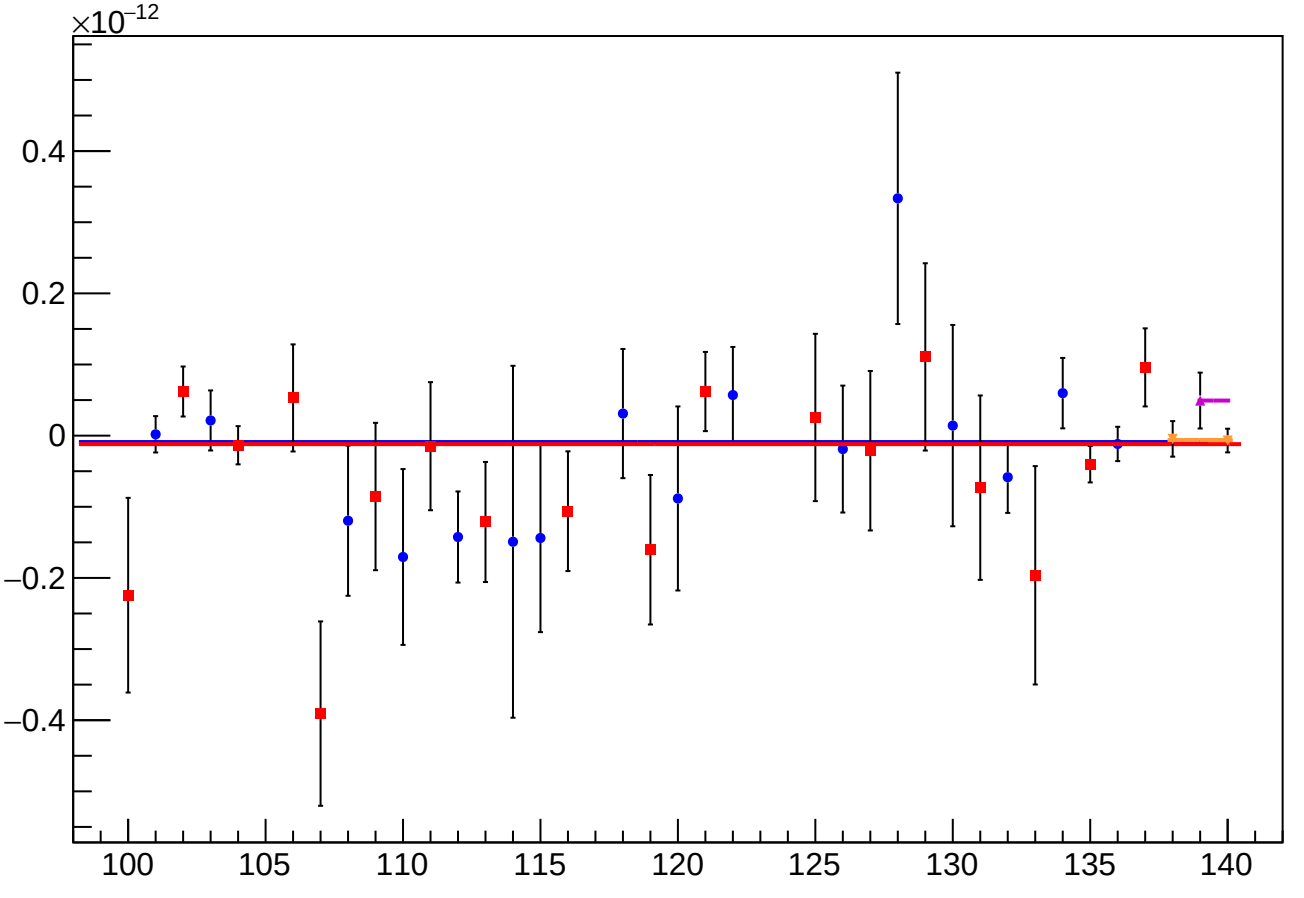
Left: 103.322+/-0.048 χ^2/NDF: 73691.9/2

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

In: 82.352+/-0.021 χ^2/NDF:572326.8/16

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

All: 84.248+/-0.015 χ^2/NDF: 1284081.7/36



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

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

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

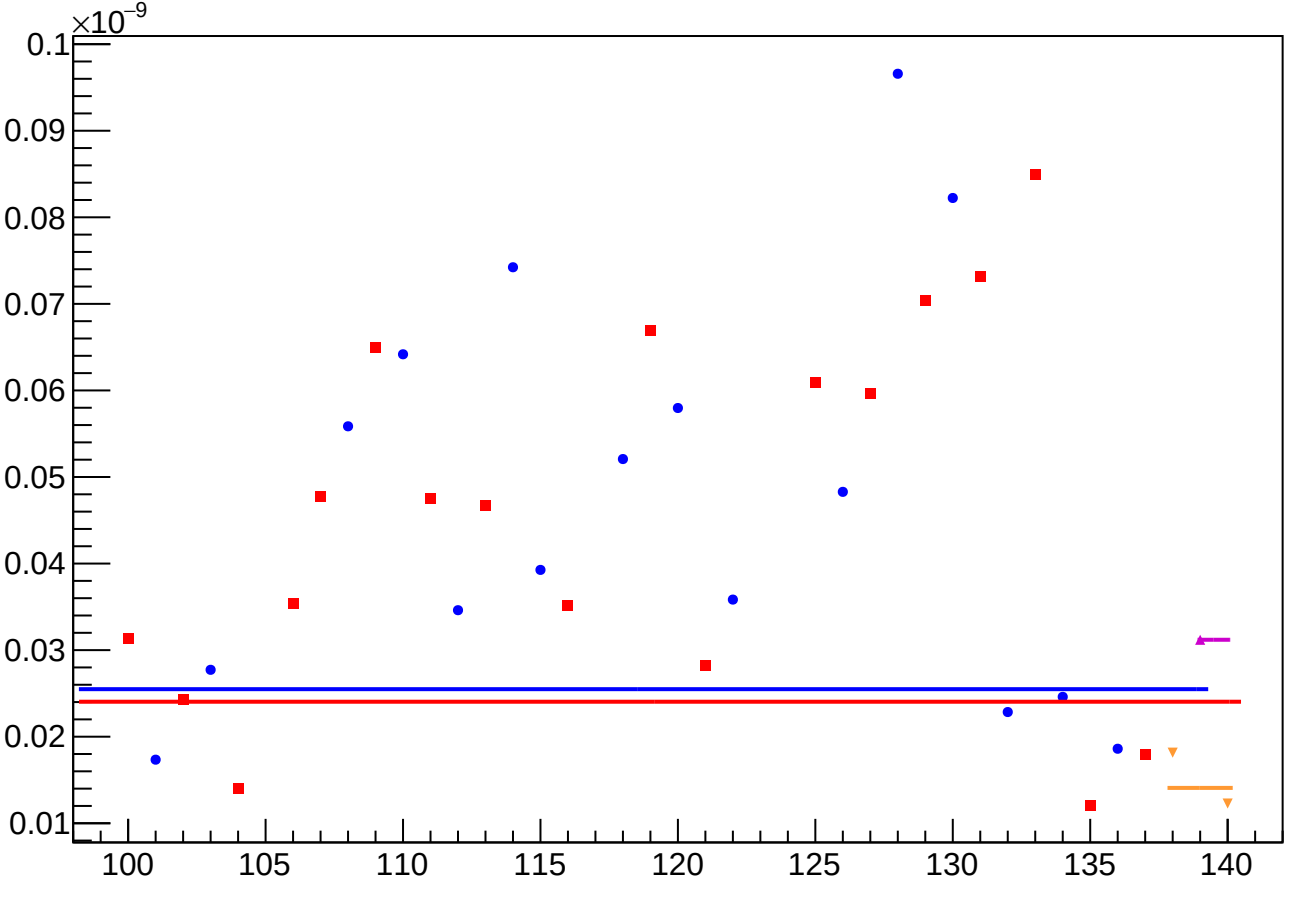
Left: -0.000+/-0.000 χ^2/NDF: 1.8/2

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

In: -0.000+/-0.000 χ^2/NDF:19.4/16

Out: -0.000+/-0.000 χ^2/NDF:31.2/19

All: -0.000+/-0.000 χ^2/NDF: 50.7/36



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

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

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

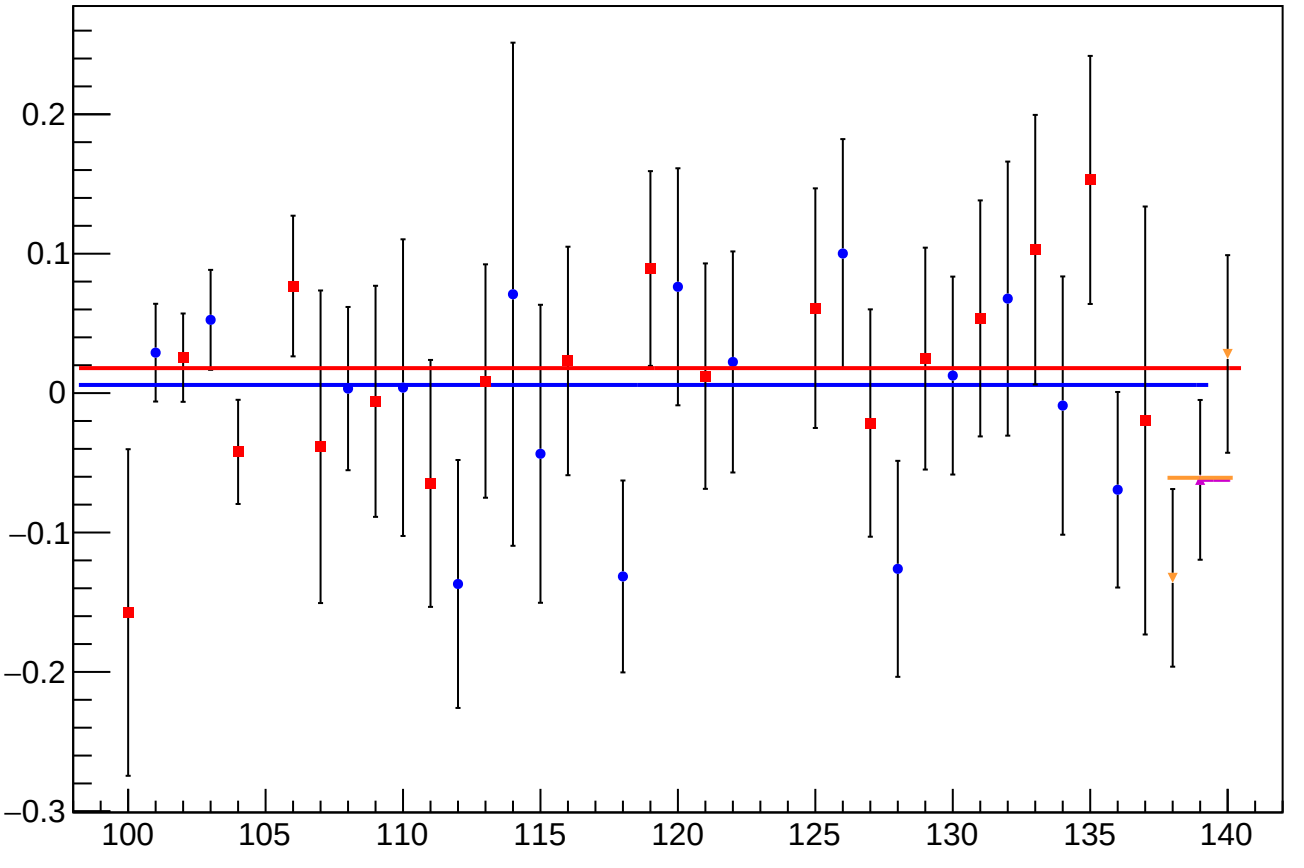
Left: 0.000+/-0.000 χ^2/NDF: 414500.3/2

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

In: 0.000+/-0.000 χ^2/NDF:2037777.1/16

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

All: 0.000+/-0.000 χ^2/NDF: 6107440.9/36



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

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

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

Left In: -0.062+/-0.057 χ^2/NDF:0.0/0

Left: -0.061+/-0.037 χ^2/NDF: 2.8/2

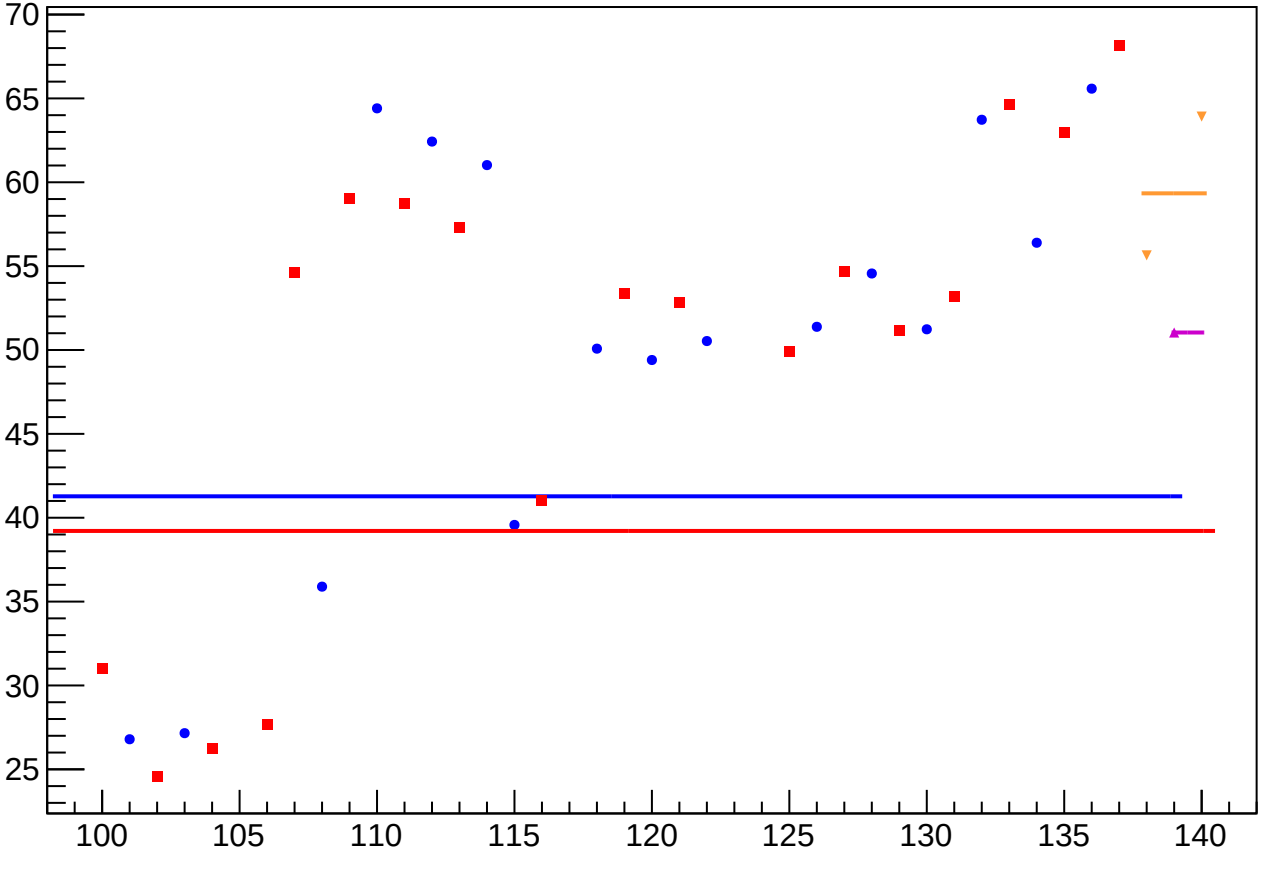
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: 0.001+/-0.016 χ^2/NDF:16.9/16

Out: 0.010+/-0.015 χ^2/NDF:17.6/19

All: 0.006+/-0.011 χ^2/NDF: 34.7/36

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 51.043+/-0.041 χ^2/NDF:0.0/0

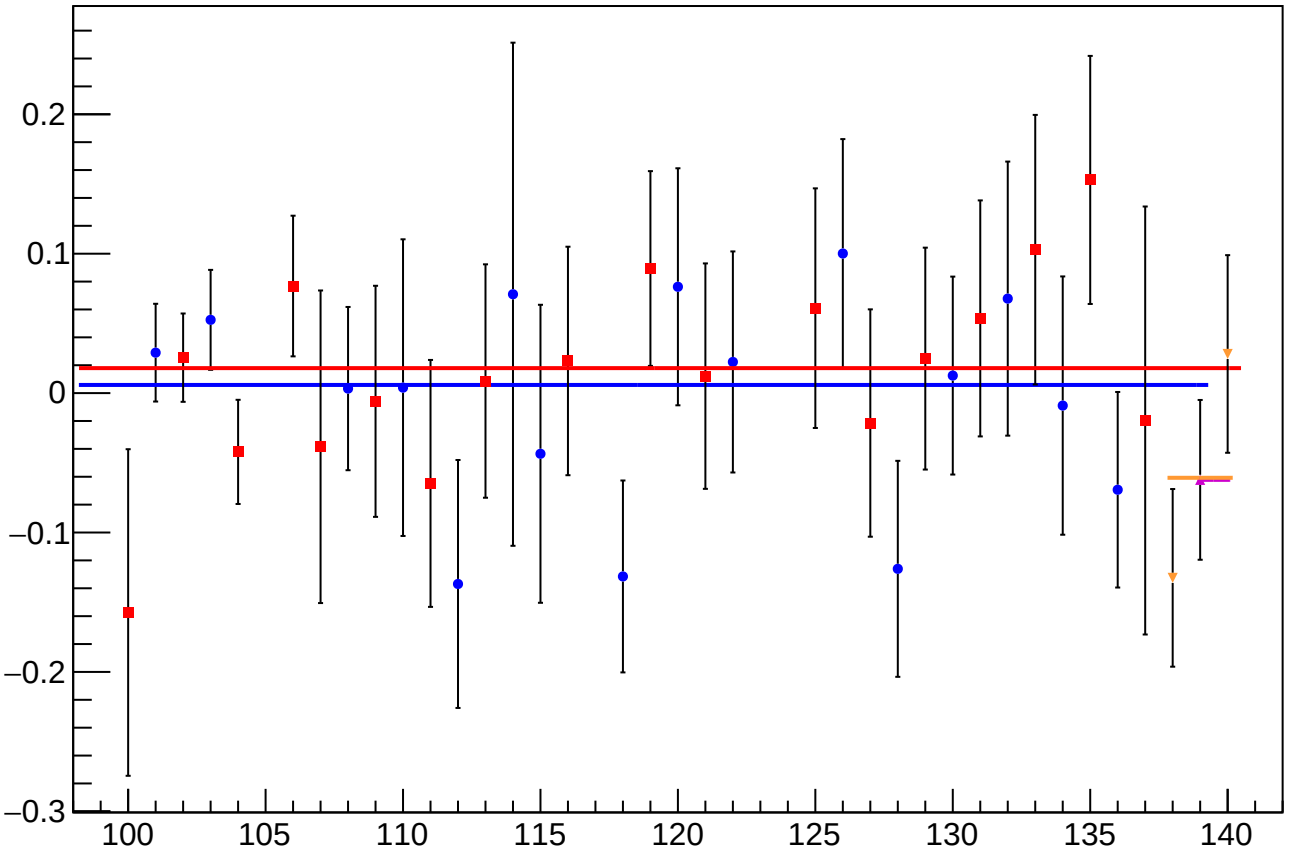
Left: 55.971+/-0.026 χ^2/NDF: 39972.8/2

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

In: 42.027+/-0.011 χ^2/NDF:1558868.6/16

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

All: 41.594+/-0.008 χ^2/NDF: 3721678.3/36



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

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

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

Left In: -0.062+/-0.057 χ^2/NDF:0.0/0

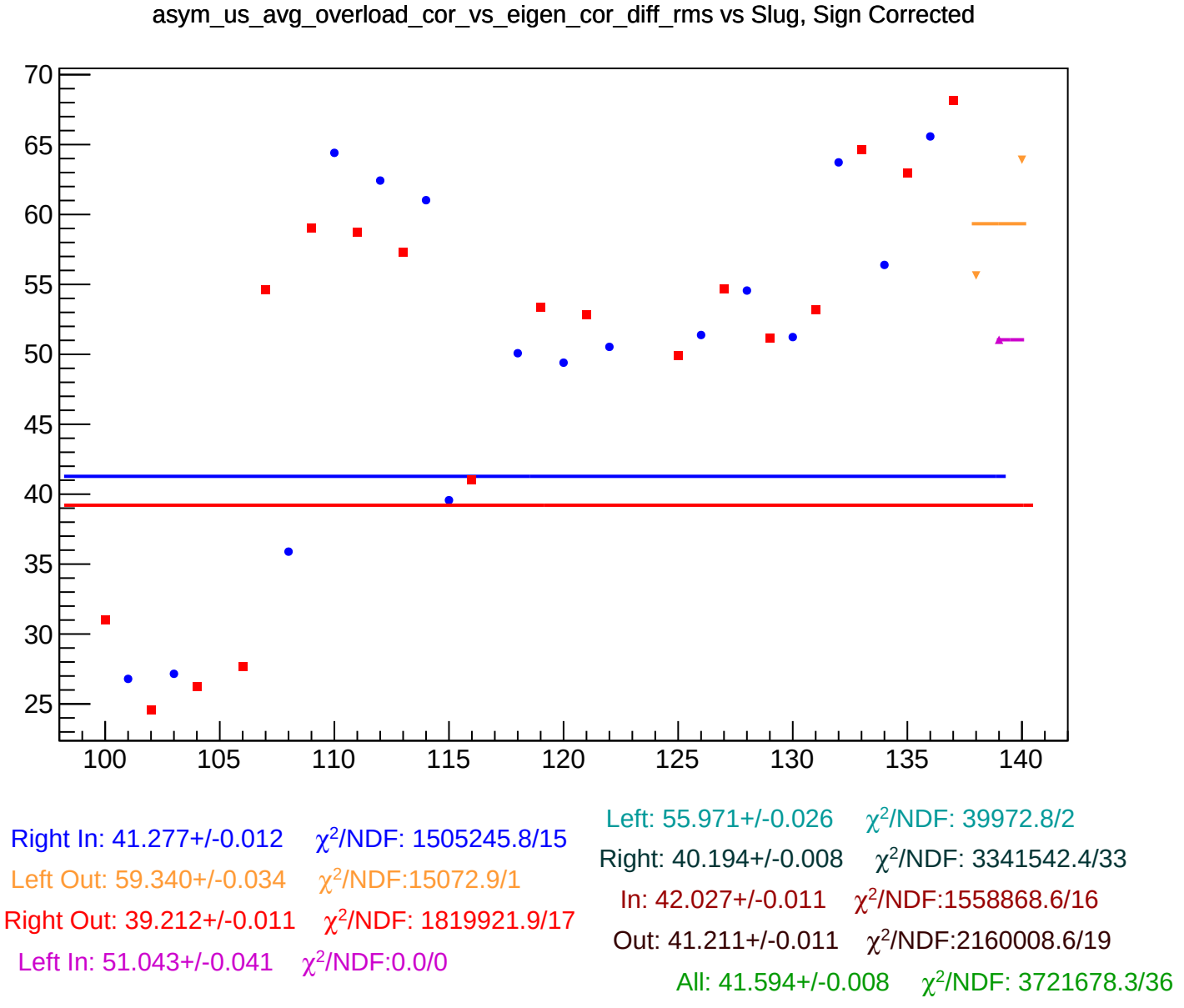
Left: -0.061+/-0.037 χ^2/NDF: 2.8/2

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

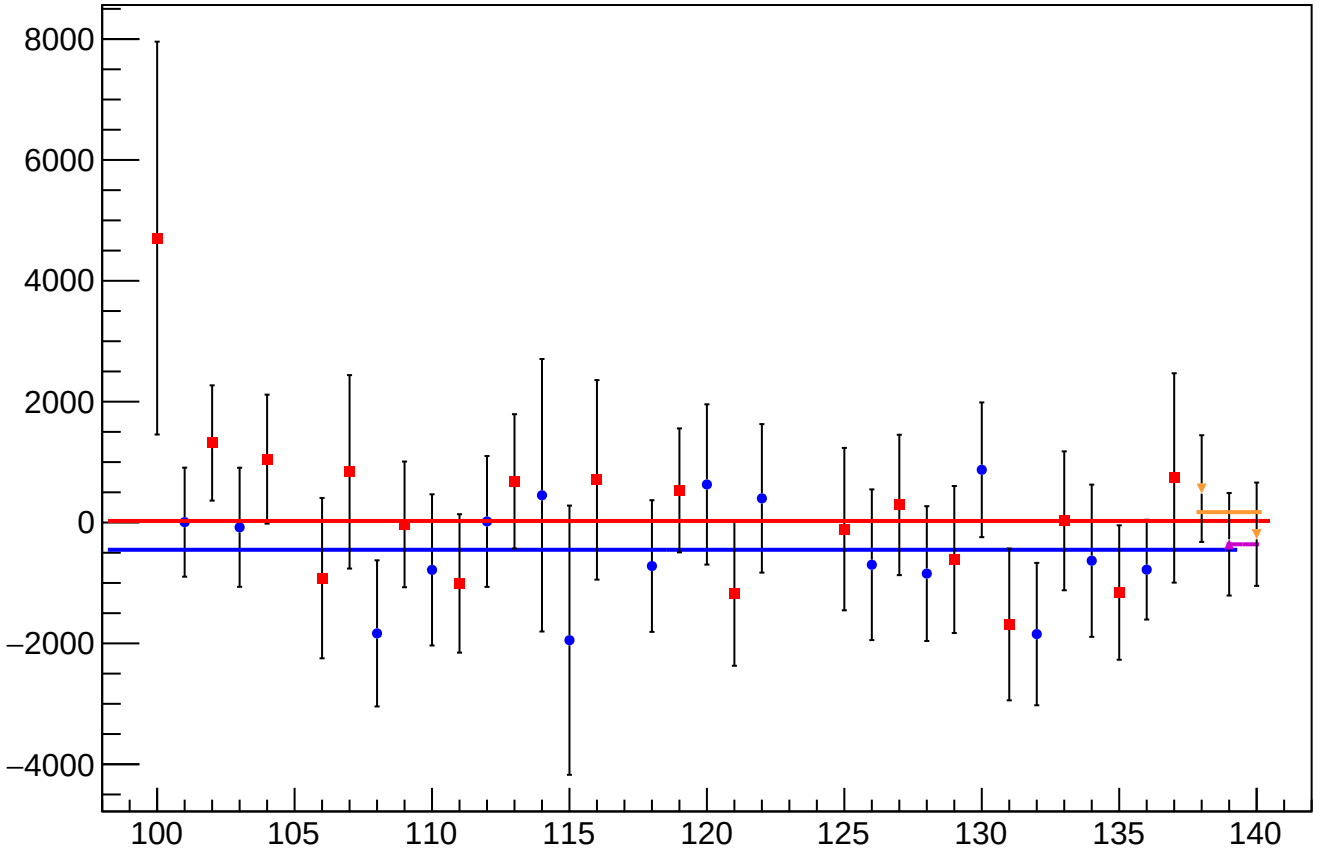
In: 0.001+/-0.016 χ^2/NDF:16.9/16

Out: 0.010+/-0.015 χ^2/NDF:17.6/19

All: 0.006+/-0.011 χ^2/NDF: 34.7/36


asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
65
60
55
50
45
40
35
30
25
100
105
110
115
120
125
130
135
140
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 59.340+/-0.034 χ²/NDF:15072.9/1
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 51.043+/-0.041 χ²/NDF:0.0/0
Left: 55.971+/-0.026 χ²/NDF: 39972.8/2
Right: 40.194+/-0.008 χ²/NDF: 3341542.4/33
In: 42.027+/-0.011 χ²/NDF:1558868.6/16
Out: 41.211+/-0.011 χ²/NDF:2160008.6/19
All: 41.594+/-0.008 χ²/NDF: 3721678.3/36

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

Left In: -360.177+/-848.183 χ^2/NDF:0.0/0

Left: -10.995+/-497.385 χ^2/NDF: 0.6/2

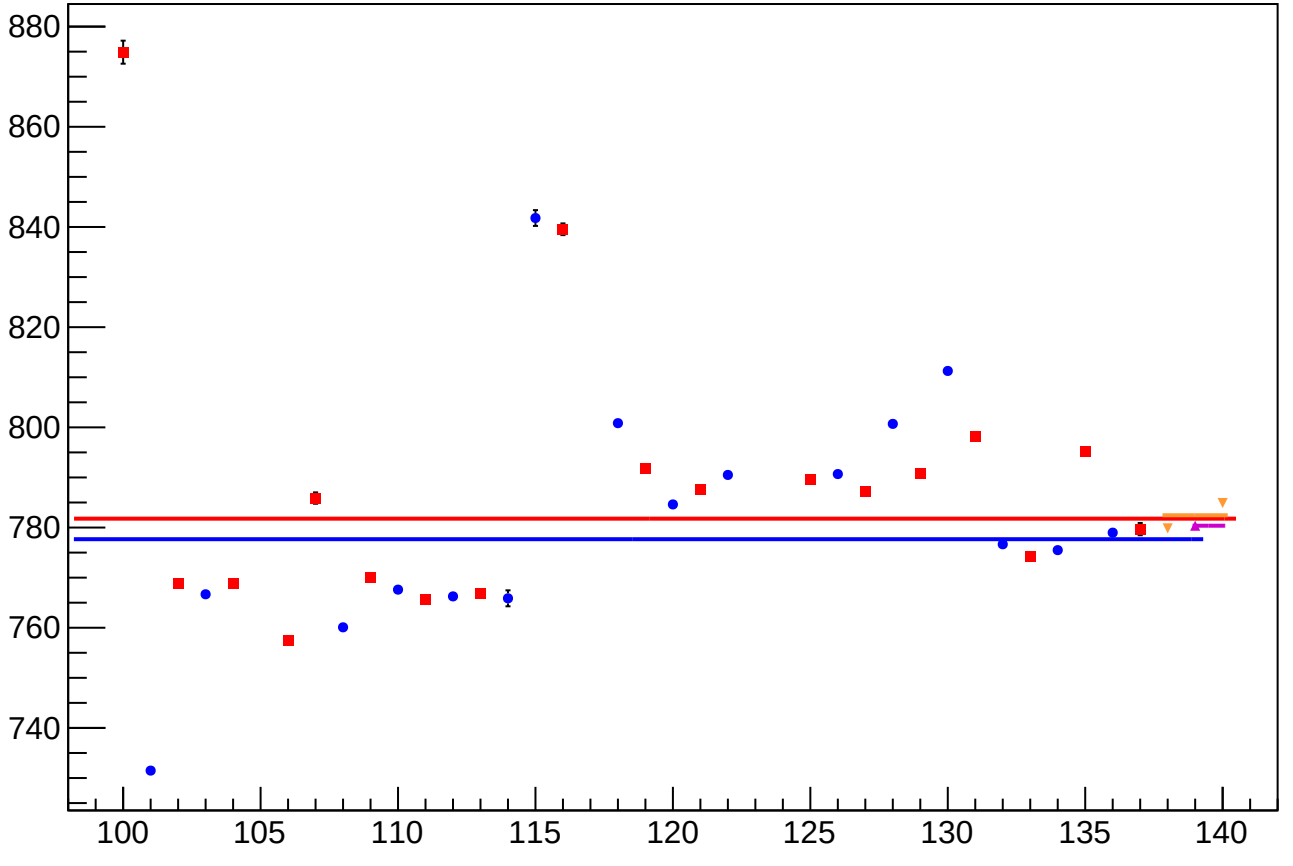
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -441.514+/-273.514 χ^2/NDF:6.9/16

Out: 52.422+/-260.804 χ^2/NDF:12.1/19

All: -182.803+/-188.750 χ^2/NDF: 20.8/36

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

Left In: 780.369+/-0.600 χ^2/NDF:0.0/0

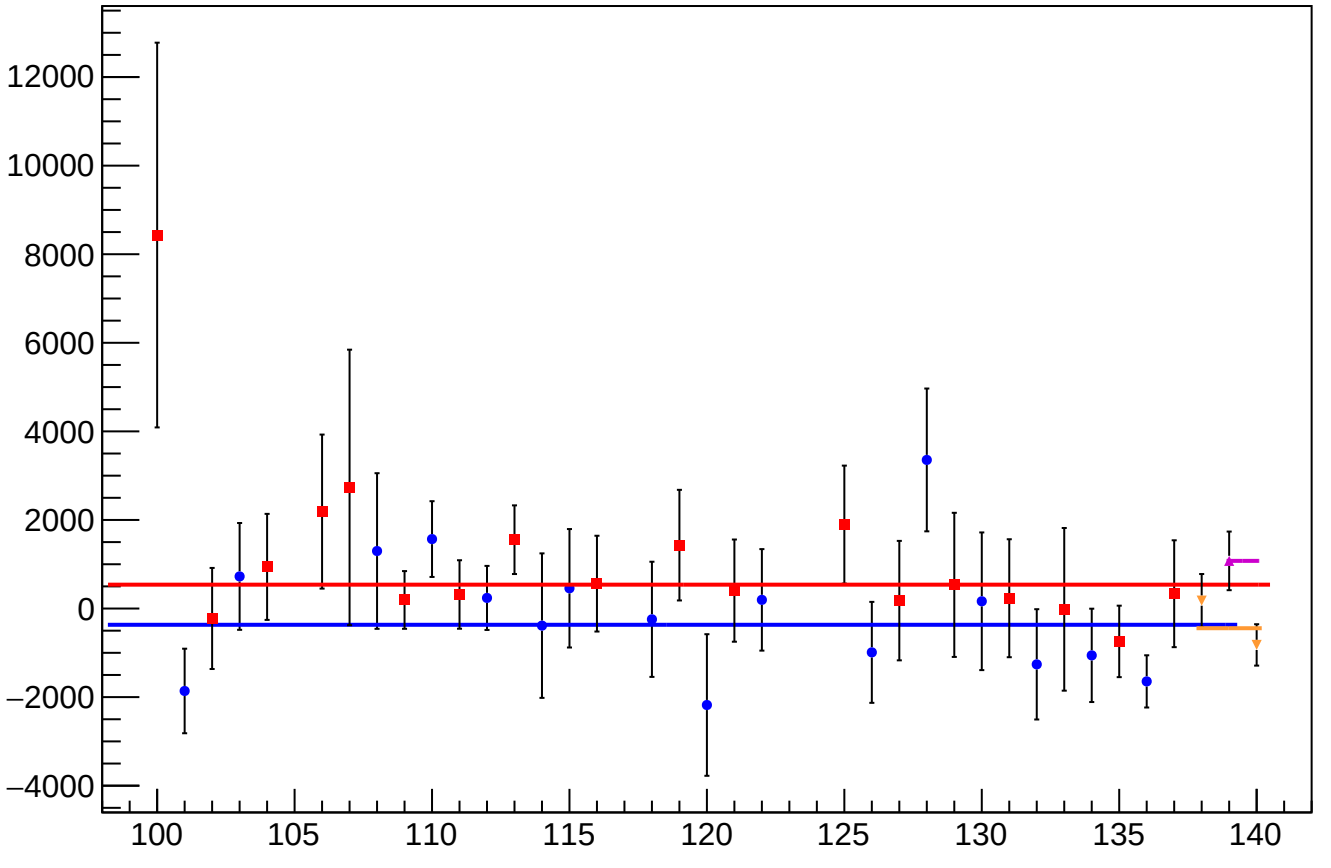
Left: 781.736+/-0.352 χ^2/NDF: 41.8/2

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

In: 777.955+/-0.193 χ^2/NDF:12073.5/16

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

All: 780.020+/-0.133 χ^2/NDF: 19953.5/36



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

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

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

Left In: 1076.083+/-661.719 χ^2/NDF:0.0/0

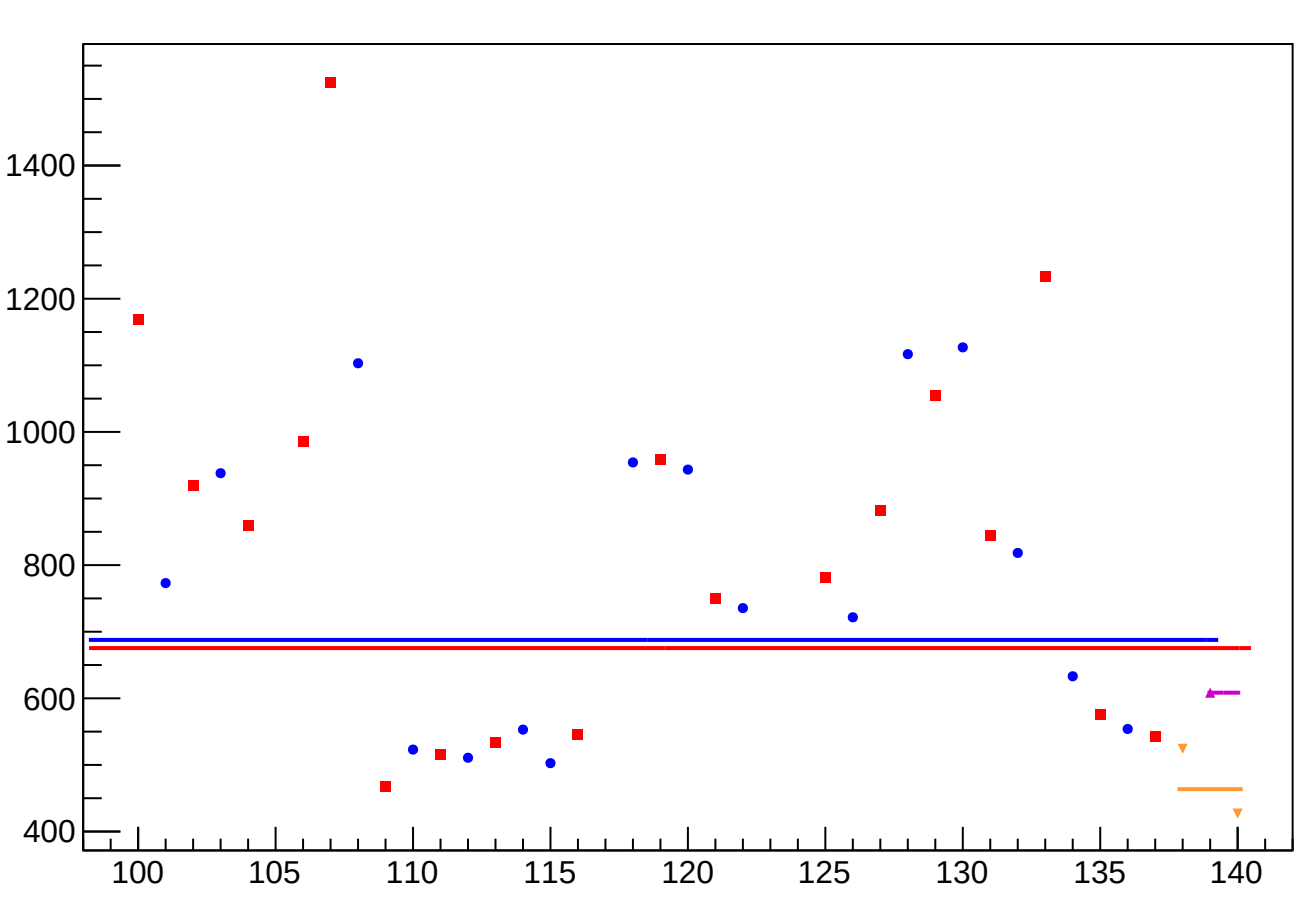
Left: -84.102+/-322.167 χ^2/NDF: 5.8/2

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

In: -165.350+/-247.363 χ^2/NDF:27.4/16

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

All: 47.856+/-161.878 χ^2/NDF: 46.8/36



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

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

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

Left In: 608.469+/-0.468 χ^2/NDF:0.0/0

Left: 497.936+/-0.228 χ^2/NDF: 105780.4/2

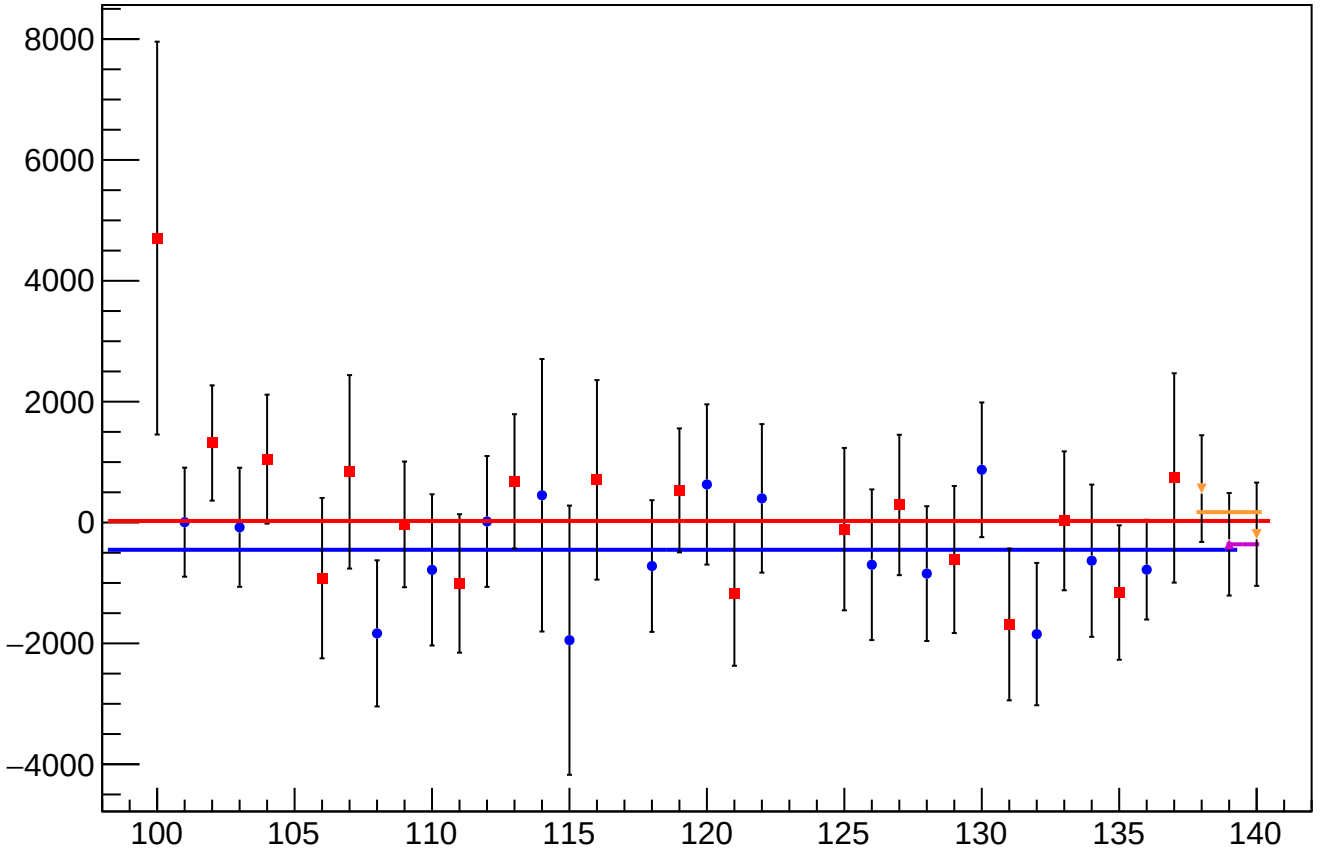
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 676.643+/-0.175 χ^2/NDF:1056583.4/16

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

All: 635.137+/-0.114 χ^2/NDF: 2938086.7/36

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

Left In: -360.177+/-848.183 χ^2/NDF:0.0/0

Left: -10.995+/-497.385 χ^2/NDF: 0.6/2

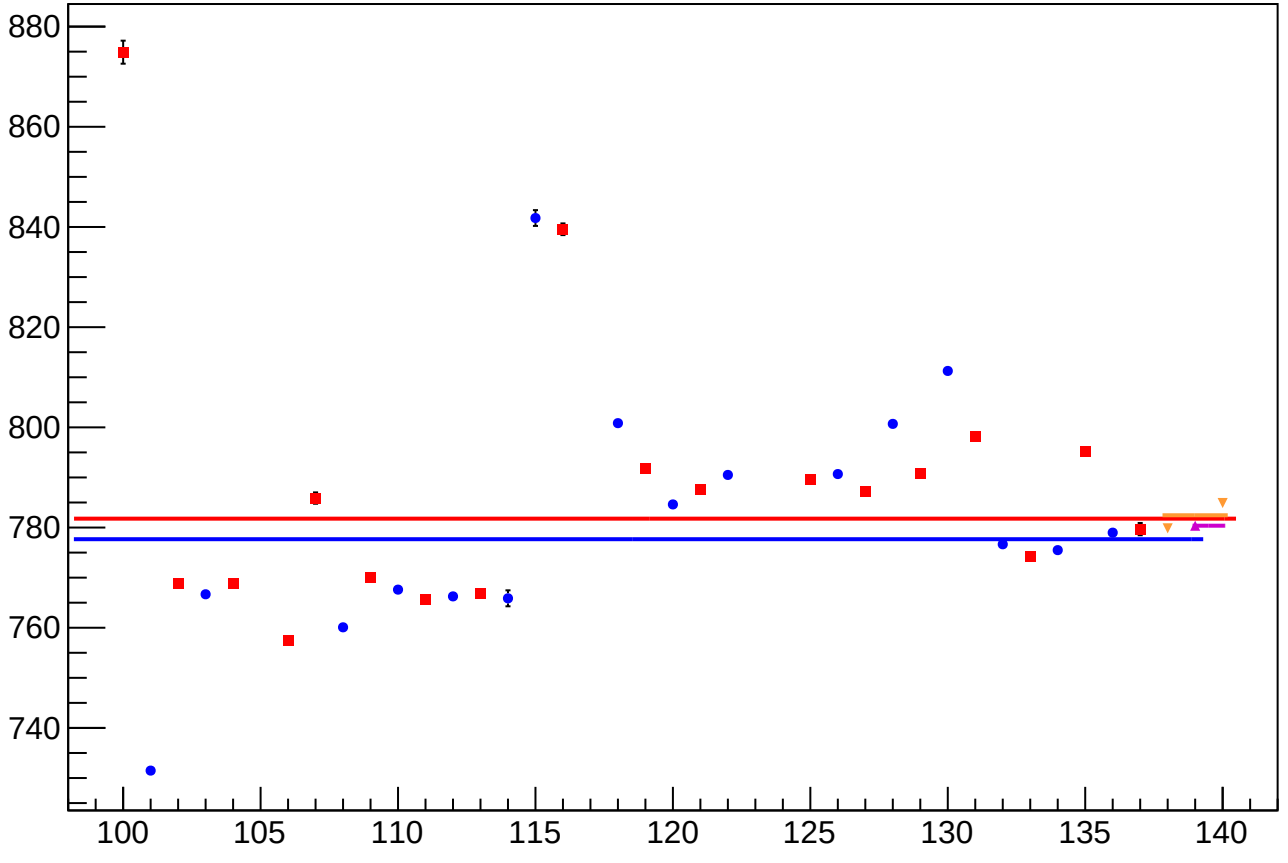
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -441.514+/-273.514 χ^2/NDF:6.9/16

Out: 52.422+/-260.804 χ^2/NDF:12.1/19

All: -182.803+/-188.750 χ^2/NDF: 20.8/36

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

Left In: 780.369+/-0.600 χ^2/NDF:0.0/0

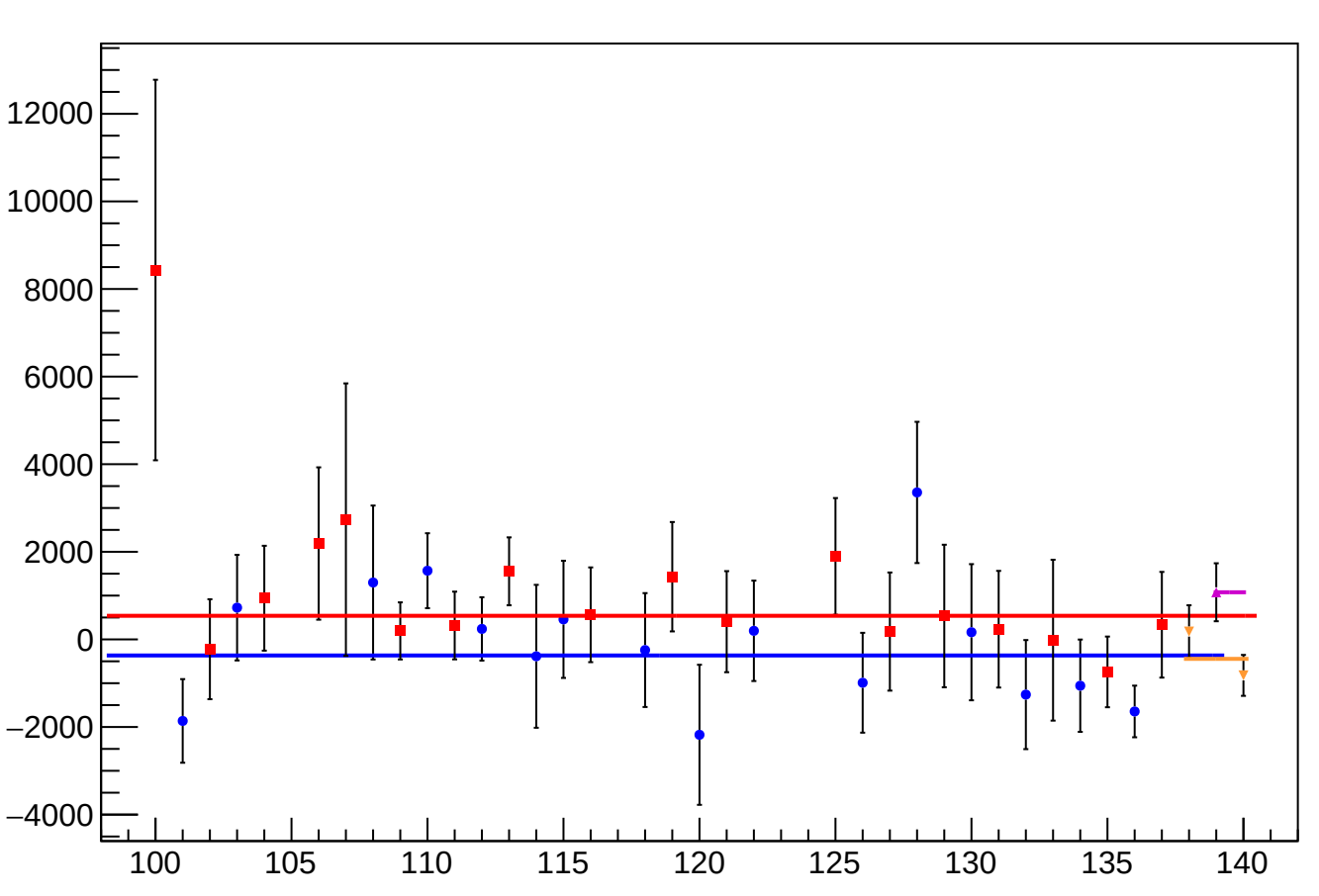
Left: 781.736+/-0.352 χ^2/NDF: 41.8/2

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

In: 777.955+/-0.193 χ^2/NDF:12073.5/16

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

All: 780.020+/-0.133 χ^2/NDF: 19953.5/36



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

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

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

Left In: 1076.083+/-661.719 χ^2/NDF:0.0/0

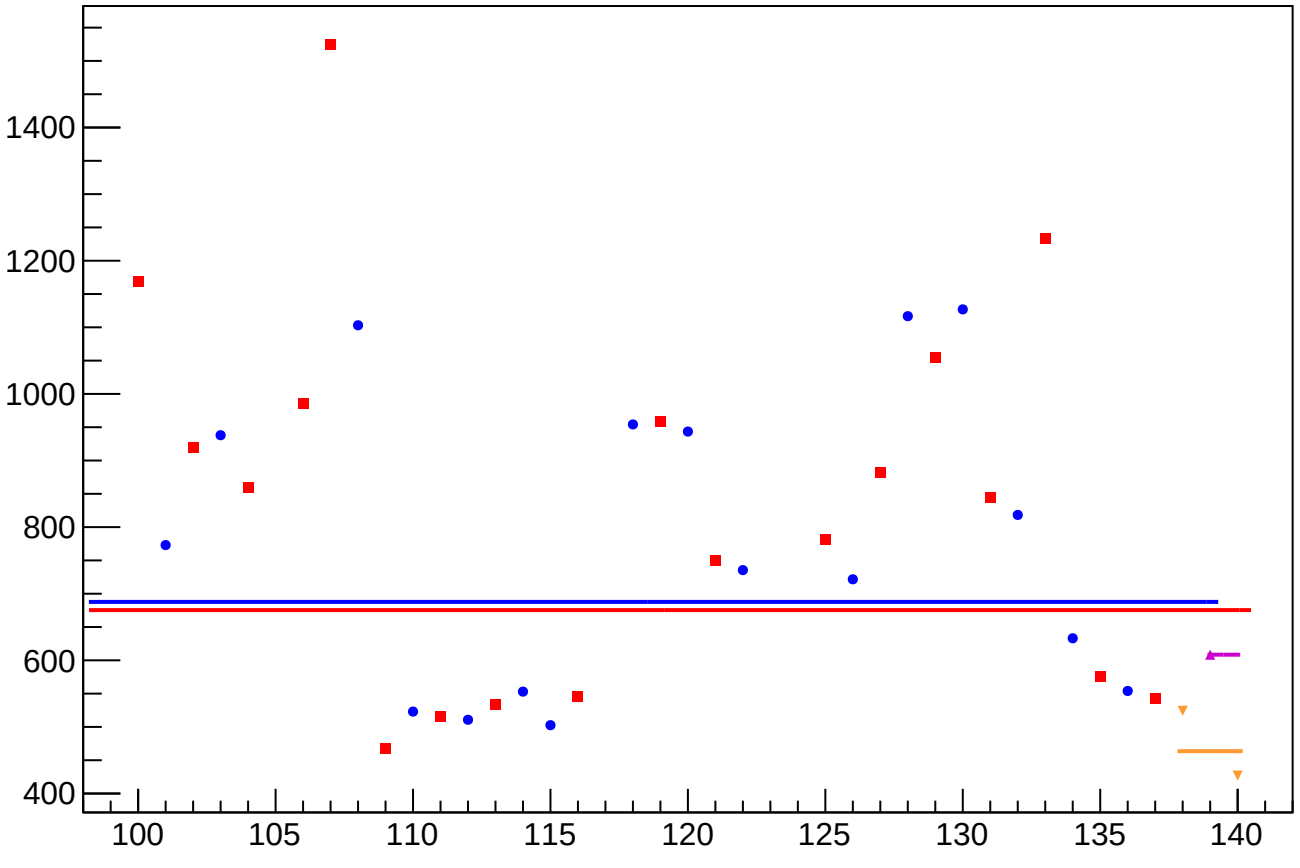
Left: -84.102+/-322.167 χ^2/NDF: 5.8/2

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

In: -165.350+/-247.363 χ^2/NDF:27.4/16

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

All: 47.856+/-161.878 χ^2/NDF: 46.8/36



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

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

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

Left In: 608.469+/-0.468 χ^2/NDF:0.0/0

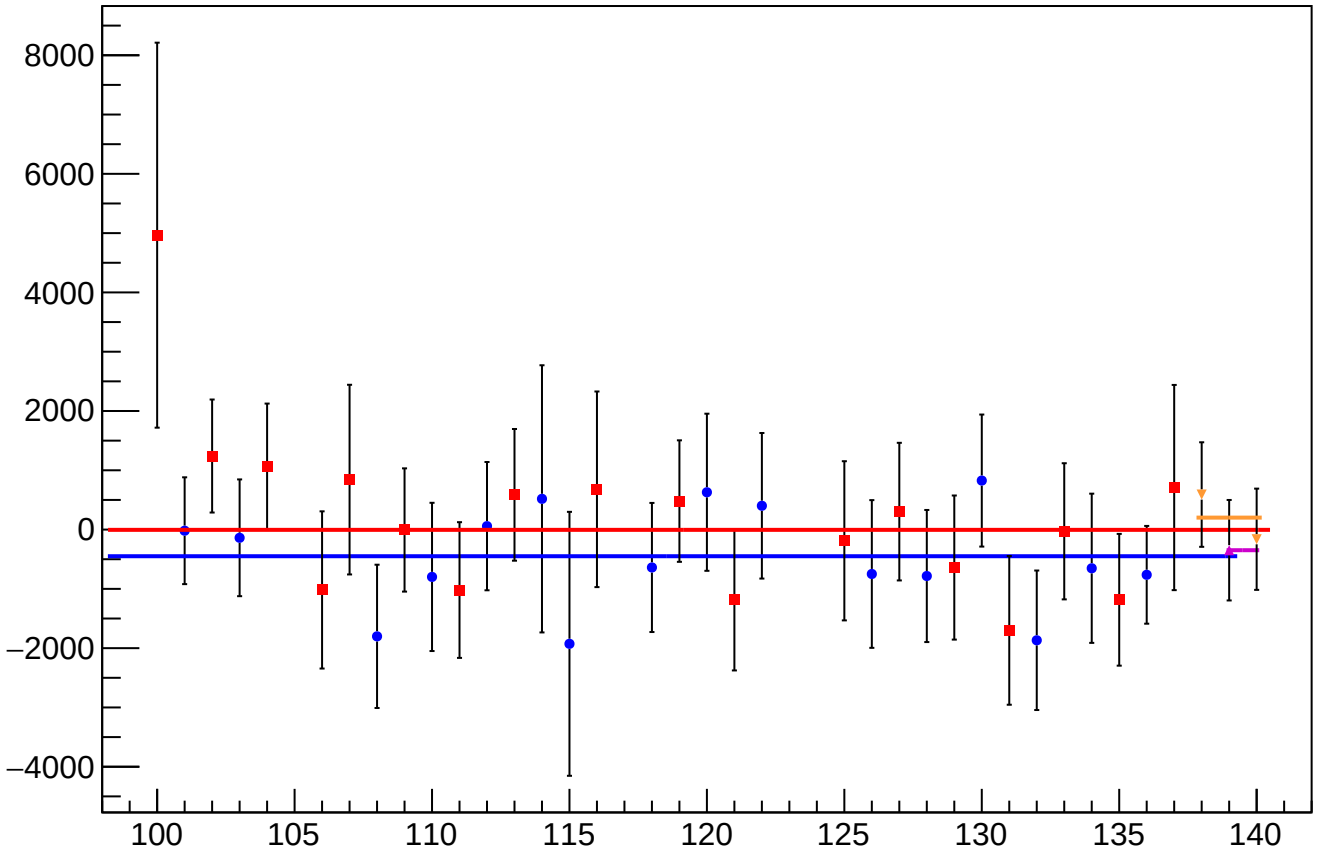
Left: 497.936+/-0.228 χ^2/NDF: 105780.4/2

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

In: 676.643+/-0.175 χ^2/NDF:1056583.4/16

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

All: 635.137+/-0.114 χ^2/NDF: 2938086.7/36



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

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

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

Left In: -348.014+/-847.417 χ^2/NDF:0.0/0

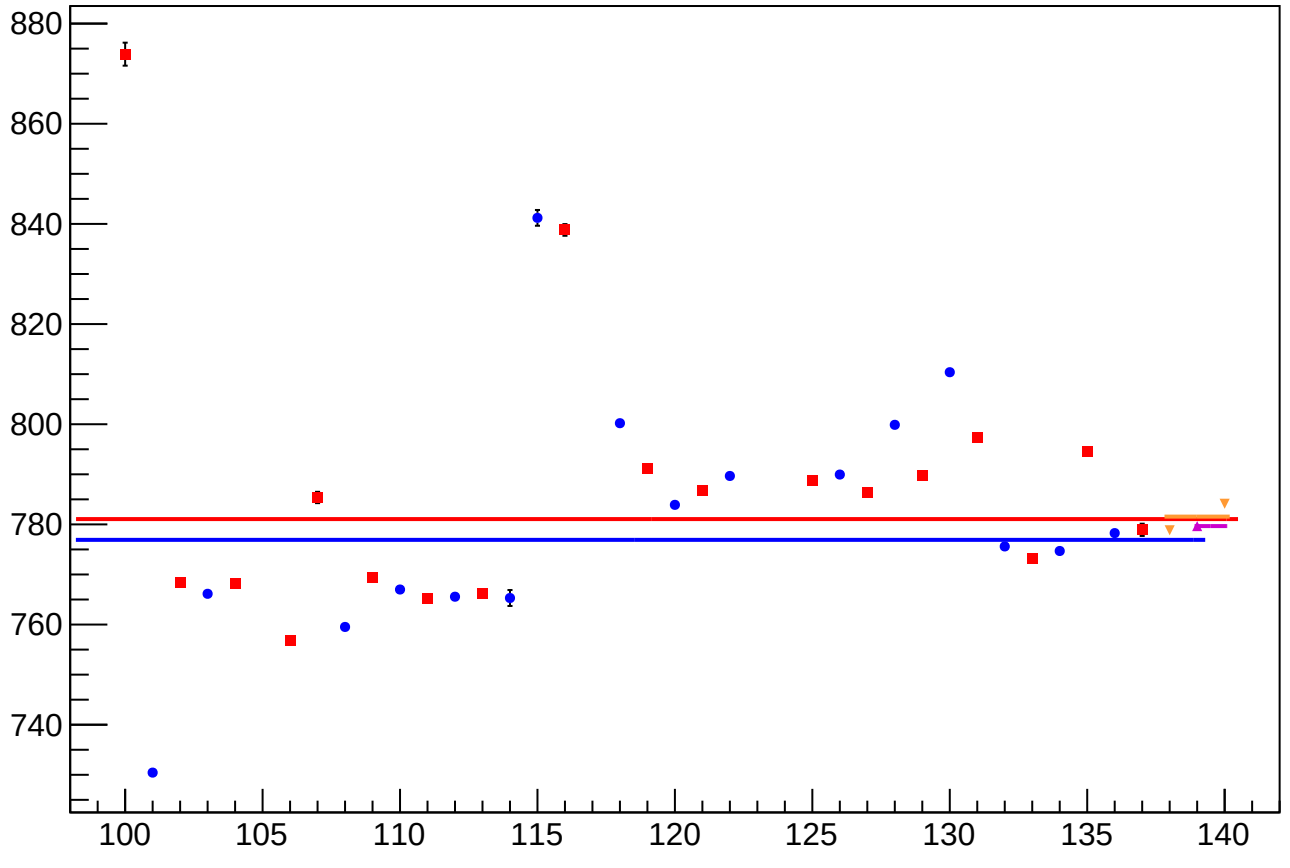
Left: 12.782+/-496.856 χ^2/NDF: 0.7/2

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

In: -438.886+/-273.249 χ^2/NDF:6.8/16

Out: 32.608+/-260.554 χ^2/NDF:12.3/19

All: -191.931+/-188.568 χ^2/NDF: 20.6/36



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

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

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

Left In: 779.664+/-0.599 χ^2/NDF:0.0/0

Left: 780.905+/-0.351 χ^2/NDF: 43.8/2

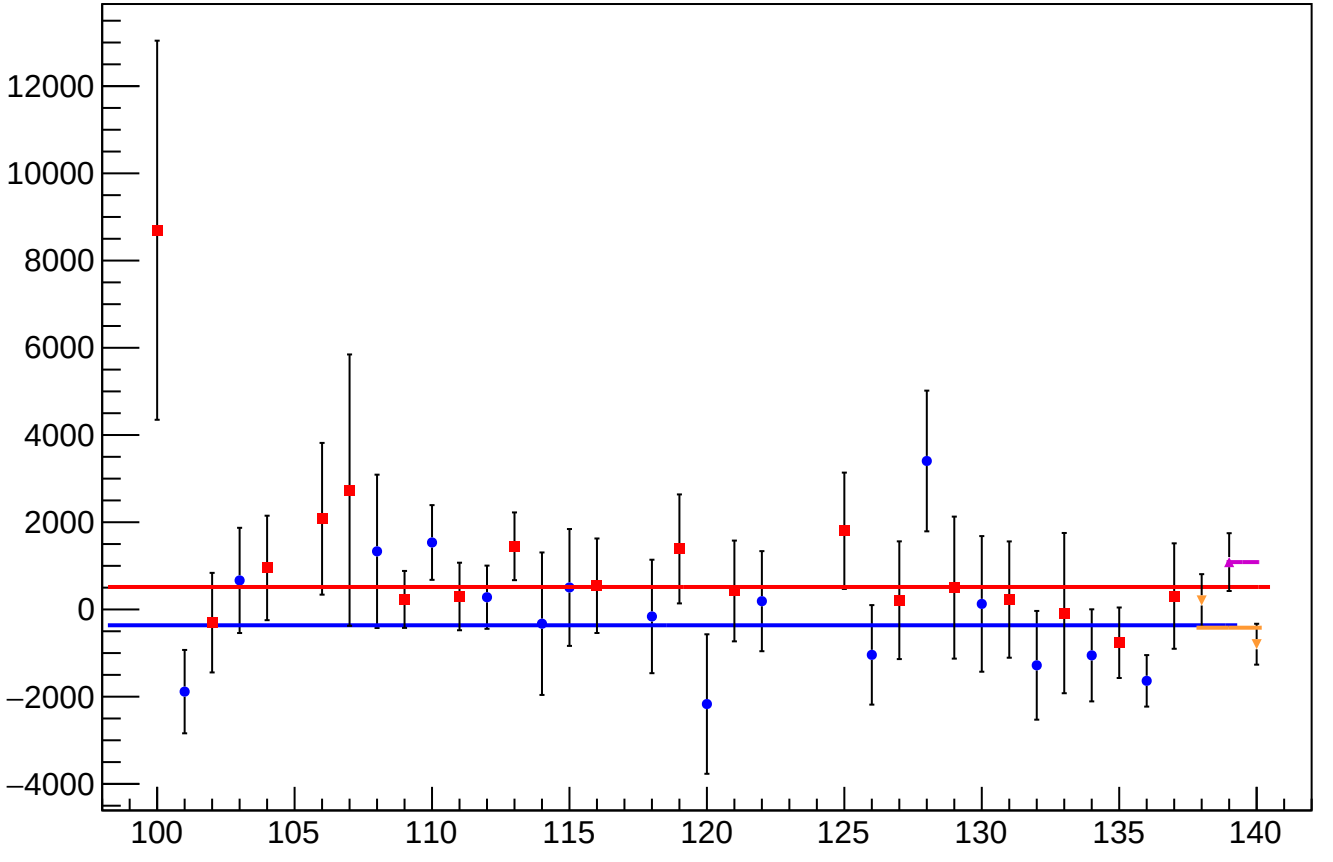
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 777.199+/-0.193 χ^2/NDF:12142.5/16

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

All: 779.269+/-0.133 χ^2/NDF: 19985.6/36

asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected



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

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

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

Left In: 1086.019+/-662.687 χ^2/NDF:0.0/0

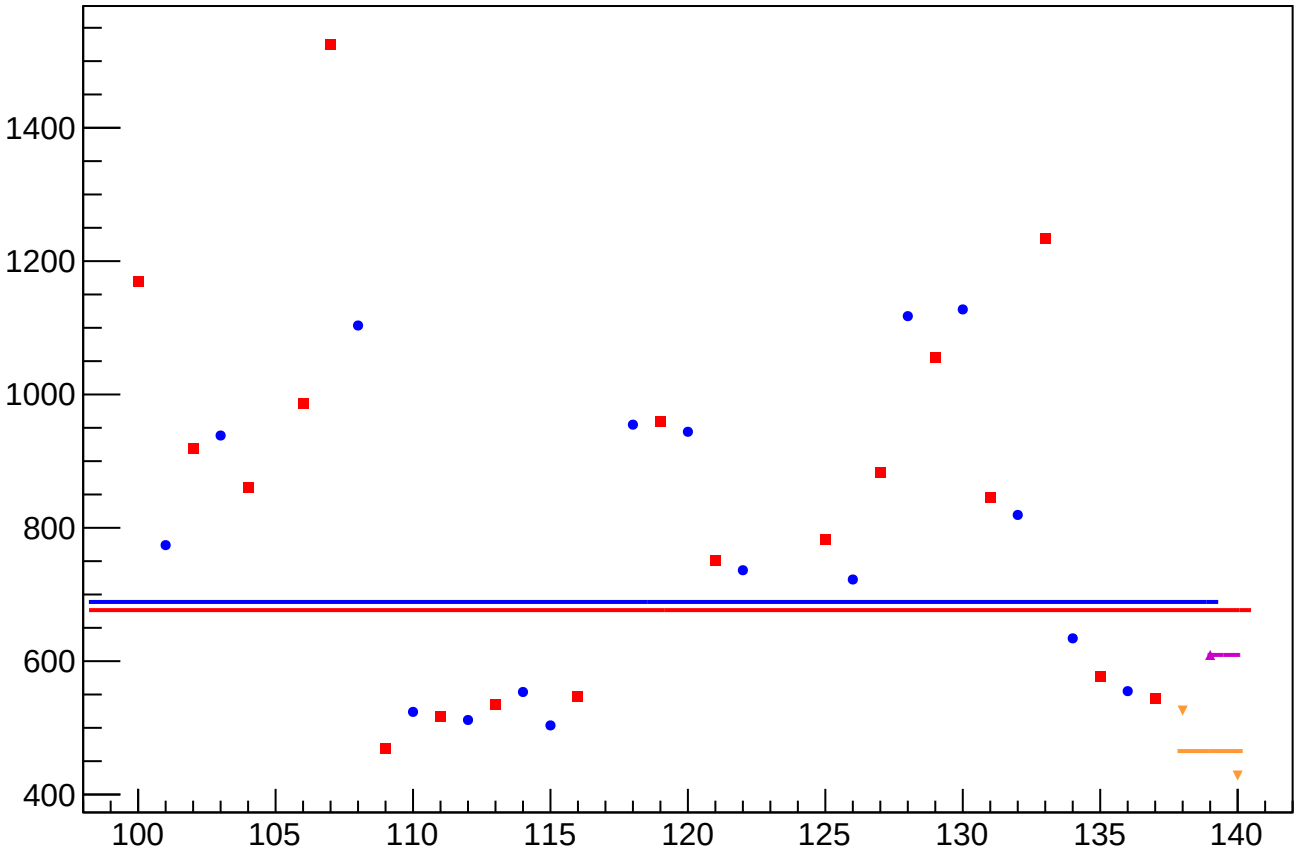
Left: -60.791+/-323.082 χ^2/NDF: 5.7/2

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

In: -160.354+/-247.723 χ^2/NDF:27.5/16

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

All: 46.401+/-162.173 χ^2/NDF: 46.0/36



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

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

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

Left In: 609.358+/-0.469 χ^2/NDF:0.0/0

Left: 499.436+/-0.228 χ^2/NDF: 104779.8/2

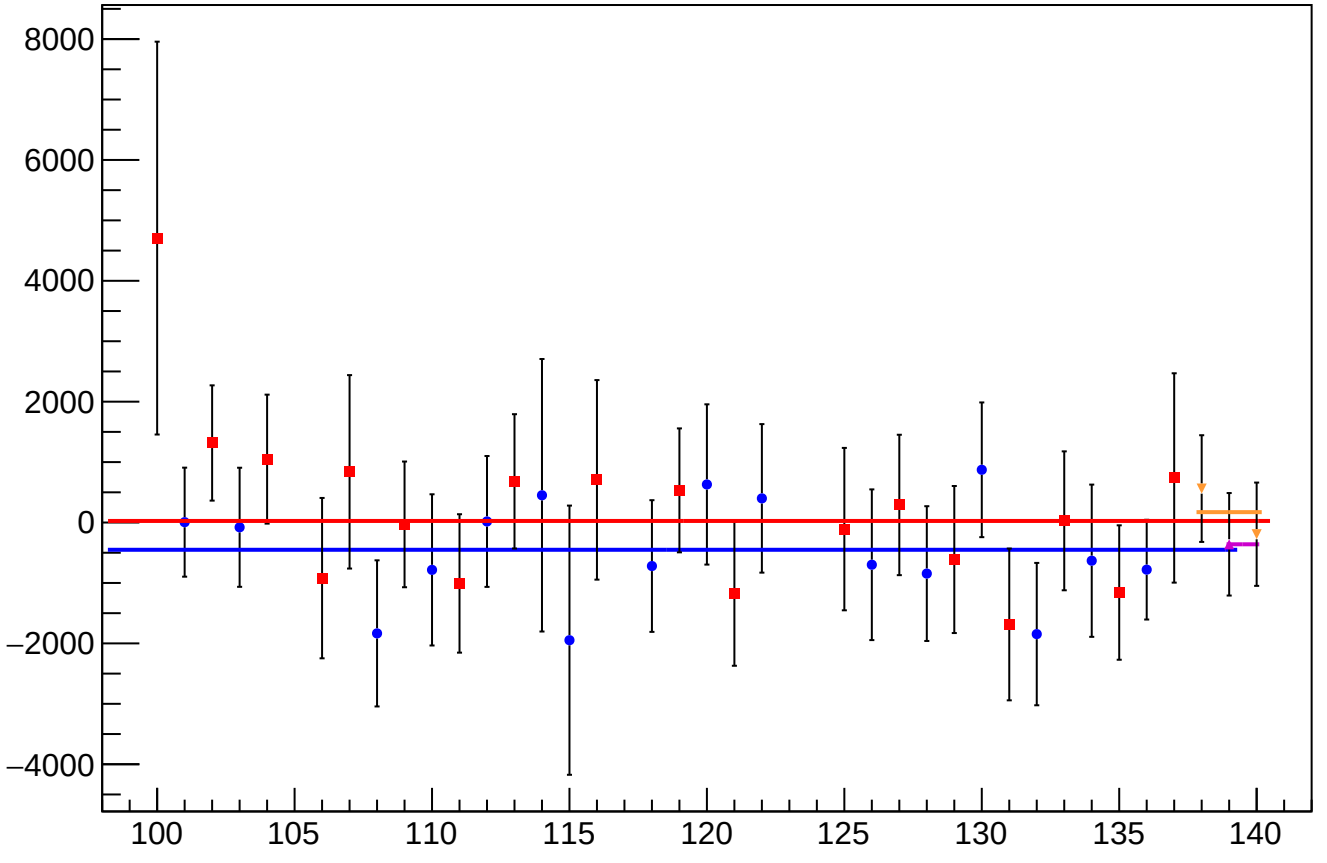
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 677.723+/-0.175 χ^2/NDF:1052862.0/16

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

All: 636.460+/-0.115 χ^2/NDF: 2923991.2/36

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

Left In: -360.177+/-848.183 χ^2/NDF:0.0/0

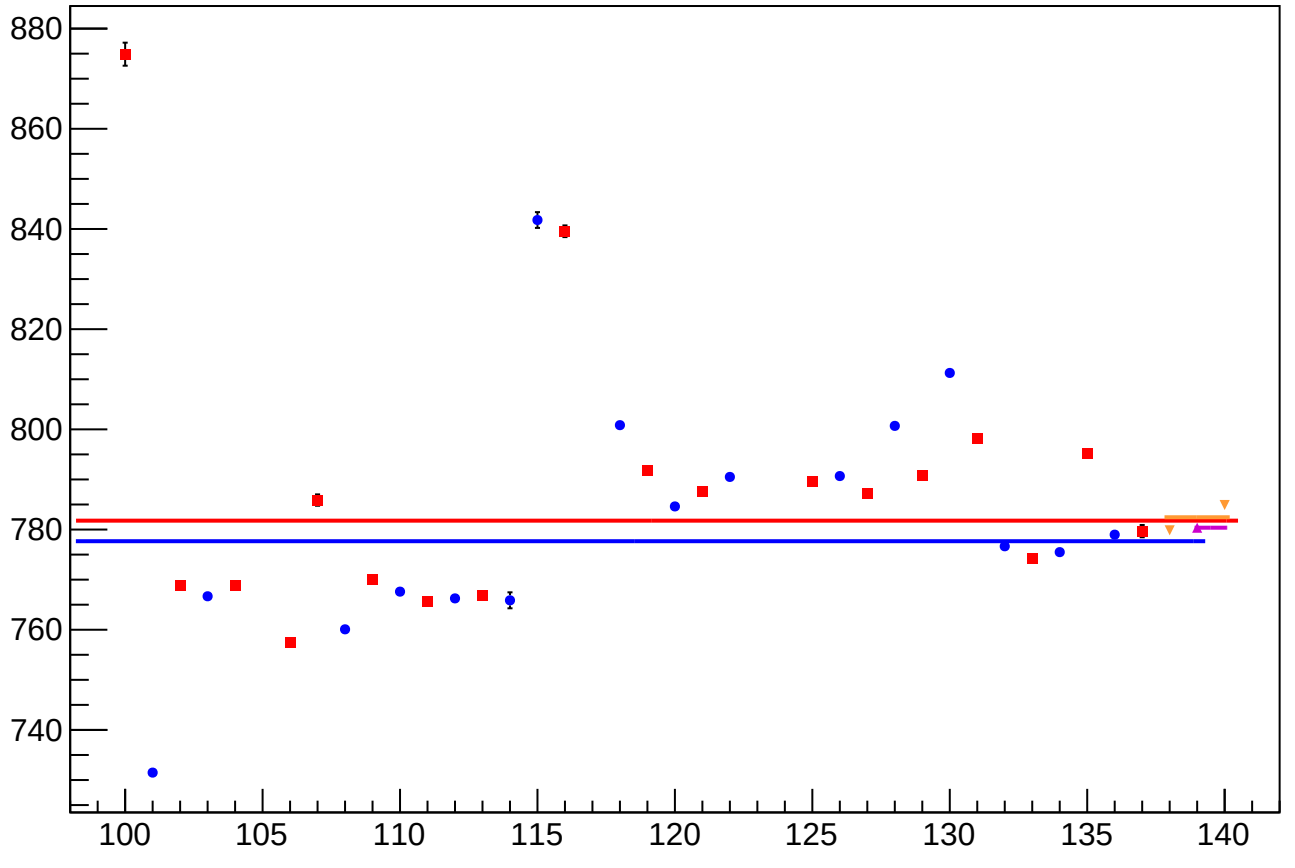
Left: -10.995+/-497.385 χ^2/NDF: 0.6/2

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

In: -441.514+/-273.514 χ^2/NDF:6.9/16

Out: 52.422+/-260.804 χ^2/NDF:12.1/19

All: -182.803+/-188.750 χ^2/NDF: 20.8/36



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

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

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

Left In: 780.369+/-0.600 χ^2/NDF:0.0/0

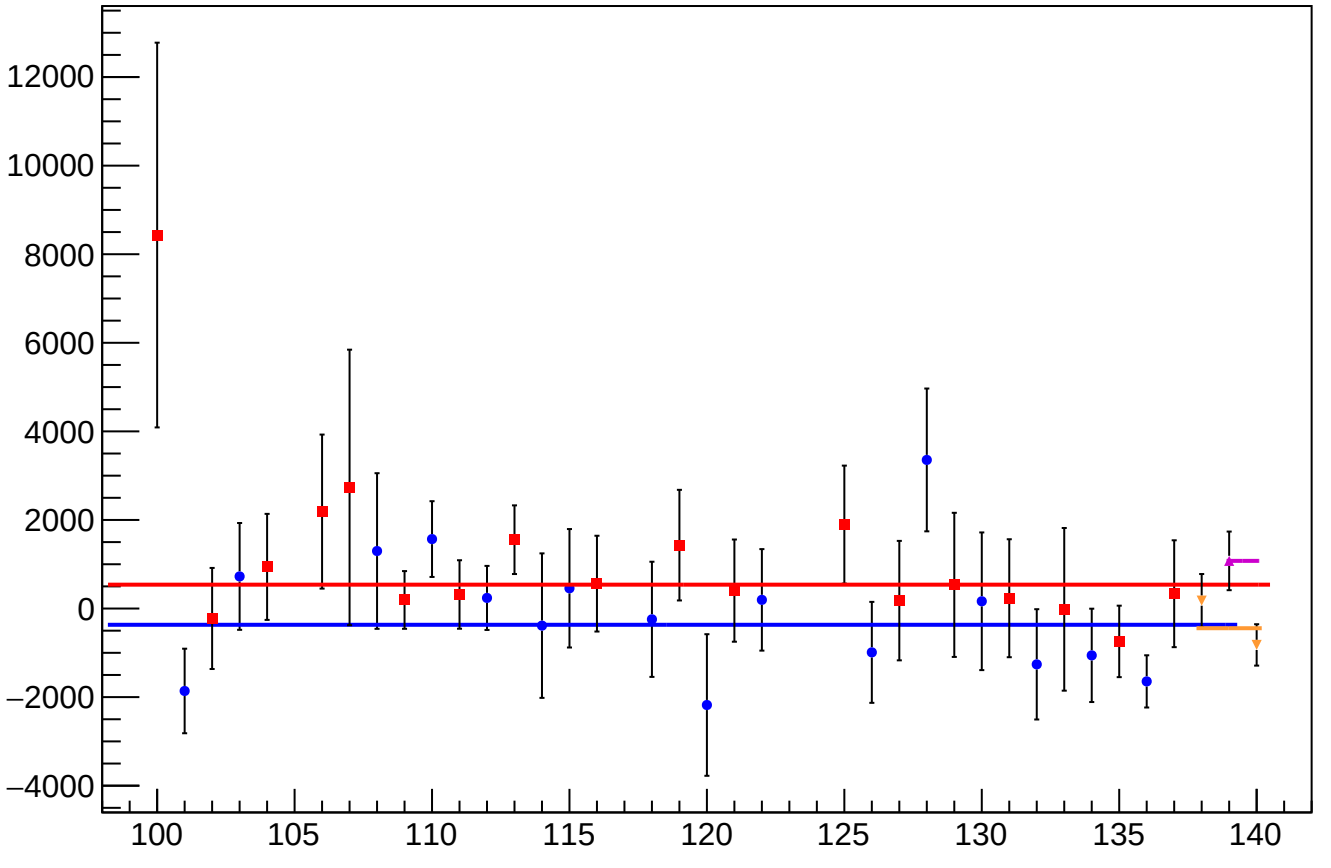
Left: 781.736+/-0.352 χ^2/NDF: 41.8/2

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

In: 777.955+/-0.193 χ^2/NDF:12073.5/16

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

All: 780.020+/-0.133 χ^2/NDF: 19953.5/36



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

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

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

Left In: 1076.083+/-661.719 χ^2/NDF:0.0/0

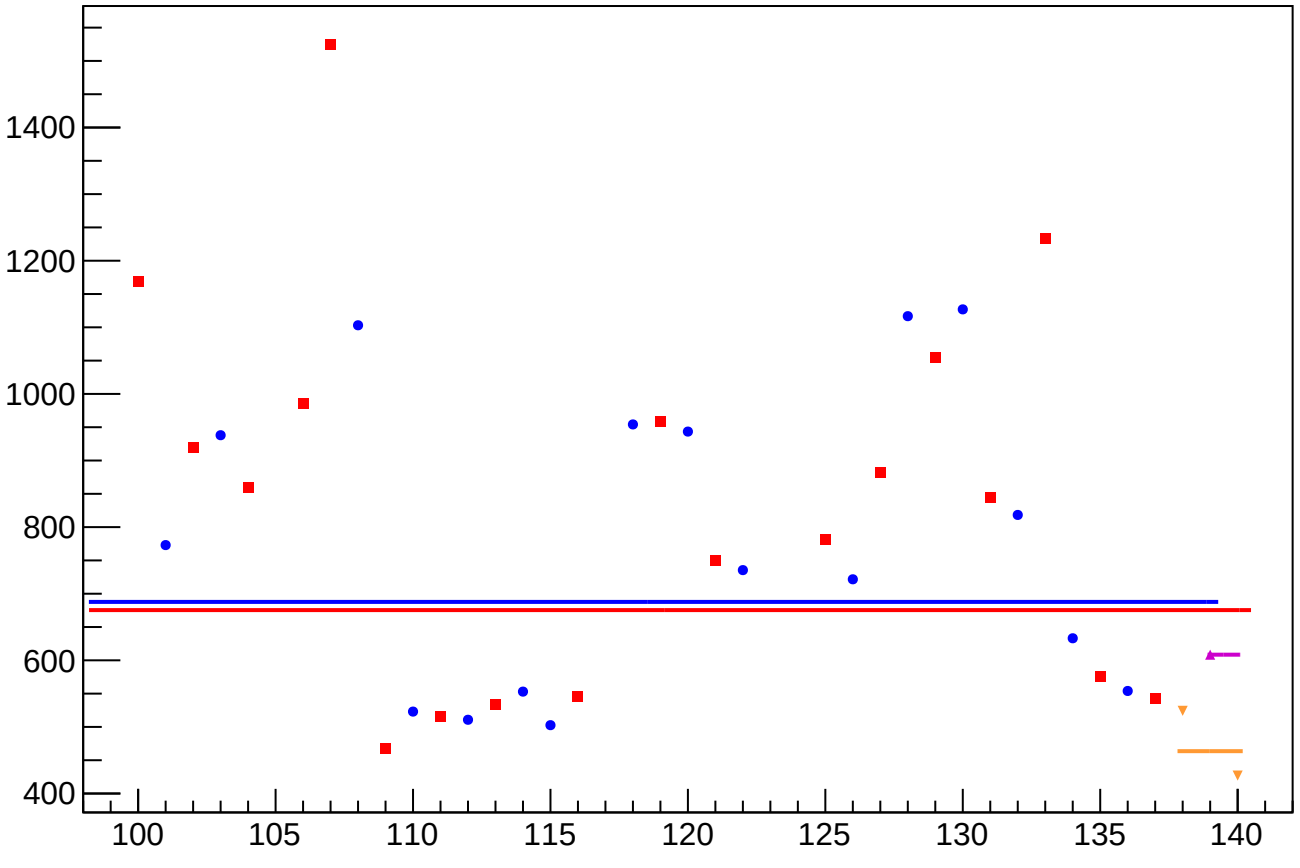
Left: -84.102+/-322.167 χ^2/NDF: 5.8/2

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

In: -165.350+/-247.363 χ^2/NDF:27.4/16

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

All: 47.856+/-161.878 χ^2/NDF: 46.8/36



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

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

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

Left In: 608.469+/-0.468 χ^2/NDF:0.0/0

Left: 497.936+/-0.228 χ^2/NDF: 105780.4/2

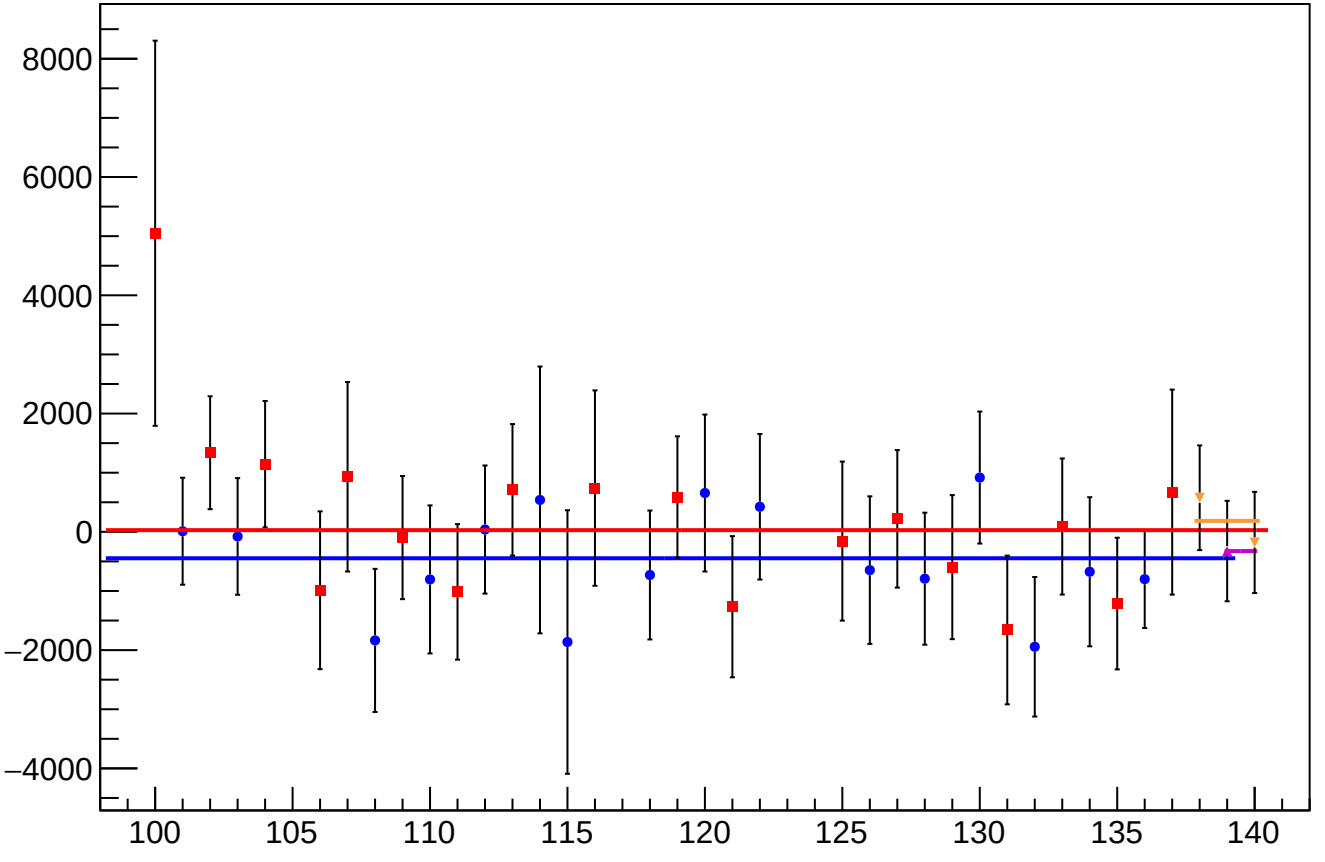
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 676.643+/-0.175 χ^2/NDF:1056583.4/16

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

All: 635.137+/-0.114 χ^2/NDF: 2938086.7/36

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

Left In: -325.166+/-849.227 χ^2/NDF:0.0/0

Left: 9.922+/-498.227 χ^2/NDF: 0.6/2

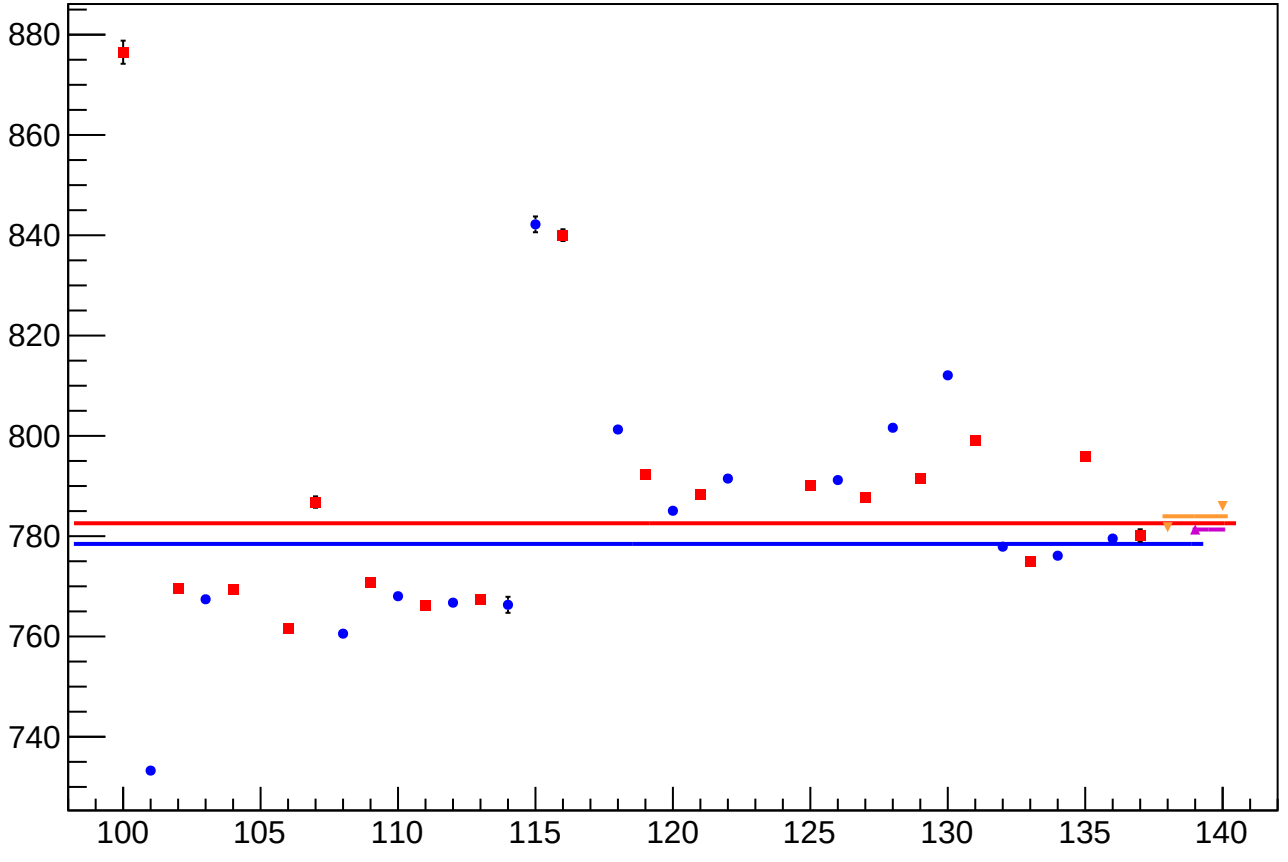
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -434.030+/-273.794 χ^2/NDF:7.3/16

Out: 57.068+/-261.112 χ^2/NDF:13.1/19

All: -176.845+/-188.958 χ^2/NDF: 22.1/36

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

Left In: 781.328+/-0.600 χ^2/NDF:0.0/0

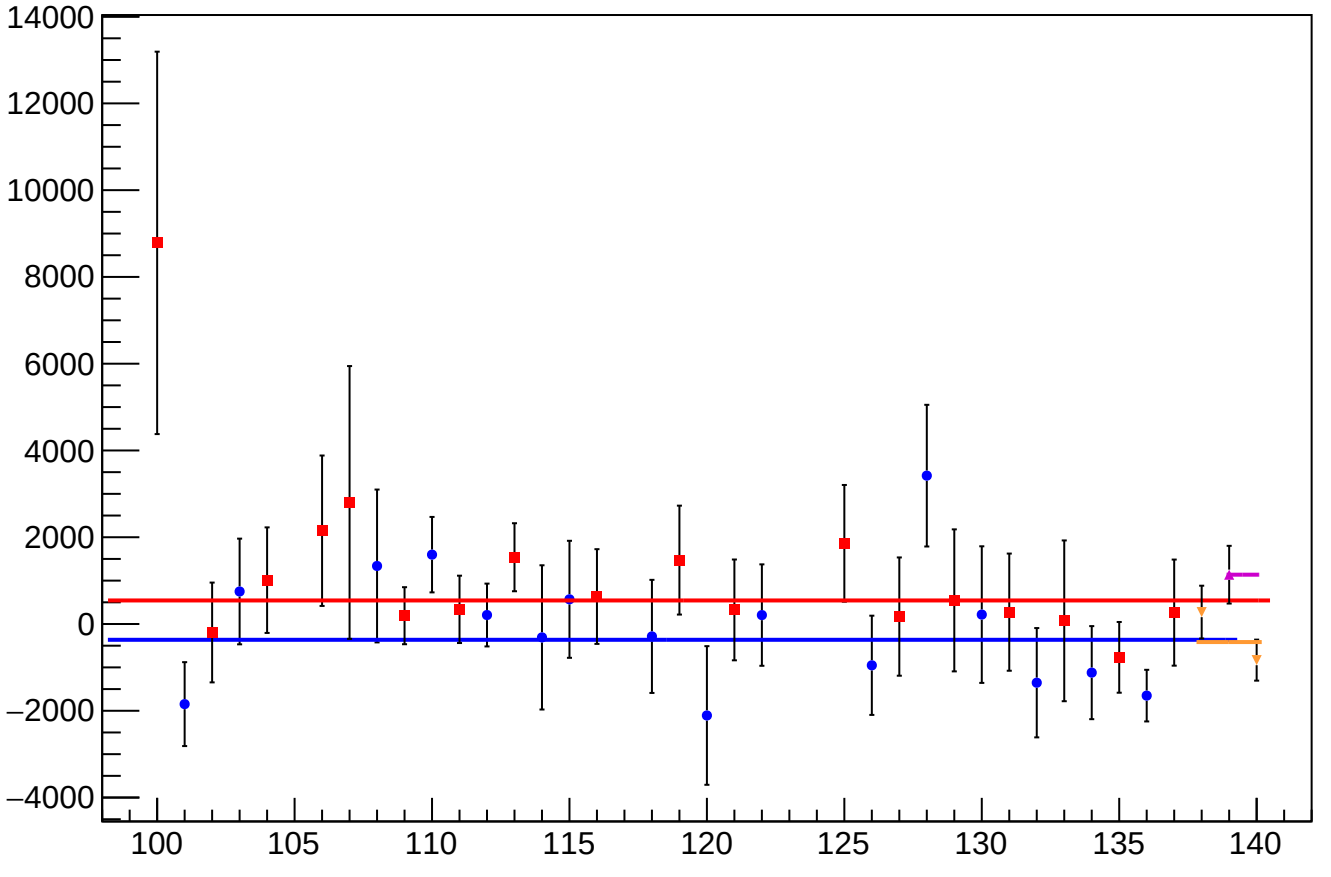
Left: 783.059+/-0.352 χ^2/NDF: 36.3/2

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

In: 778.754+/-0.194 χ^2/NDF:11815.7/16

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

All: 780.887+/-0.134 χ^2/NDF: 19560.8/36



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

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

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

Left In: 1136.699+/-665.185 χ^2/NDF:0.0/0

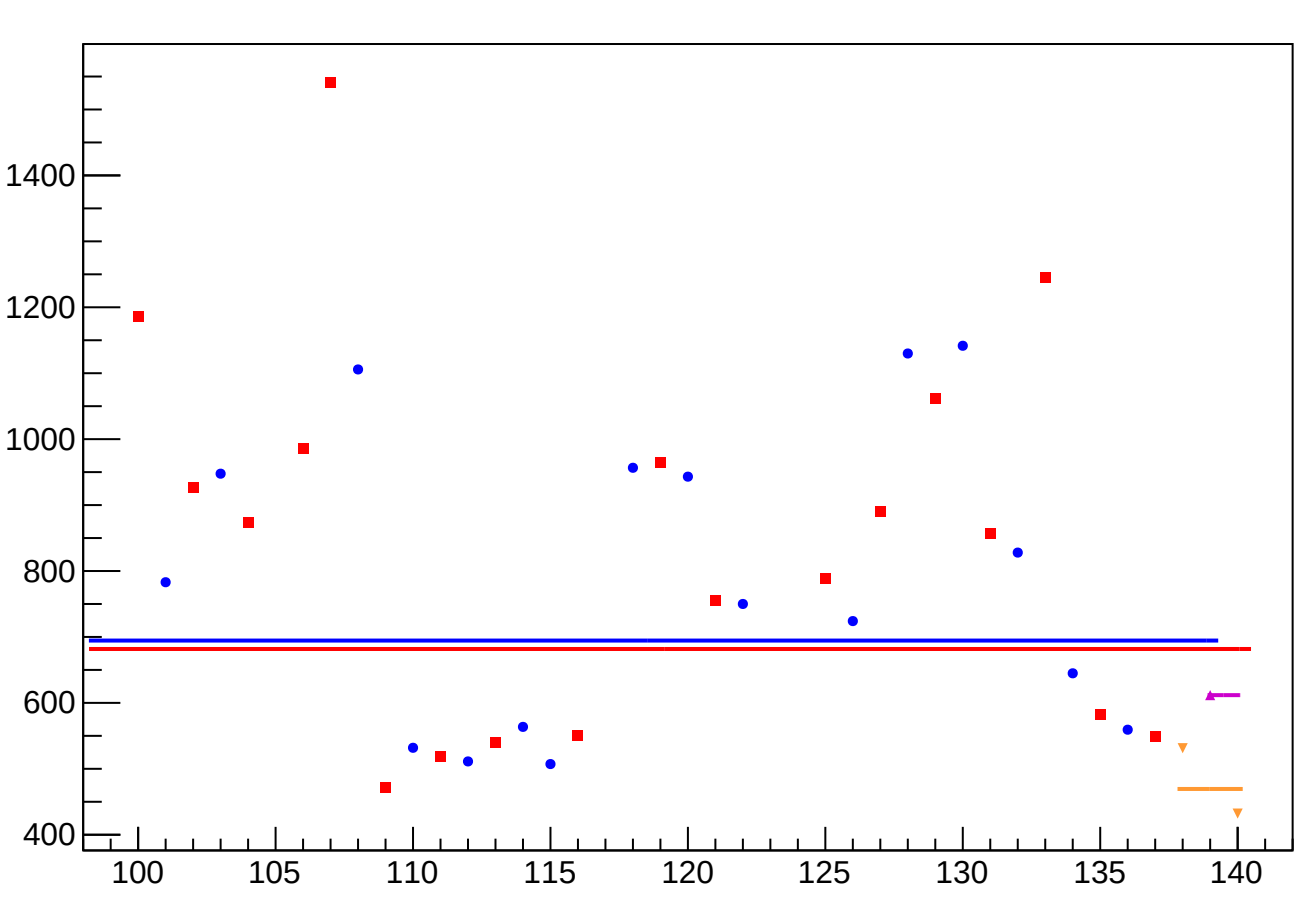
Left: -43.997+/-325.554 χ^2/NDF: 6.2/2

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

In: -152.628+/-249.632 χ^2/NDF:27.7/16

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

All: 60.943+/-163.445 χ^2/NDF: 47.2/36



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

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

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

Left In: 611.737+/-0.470 χ^2/NDF:0.0/0

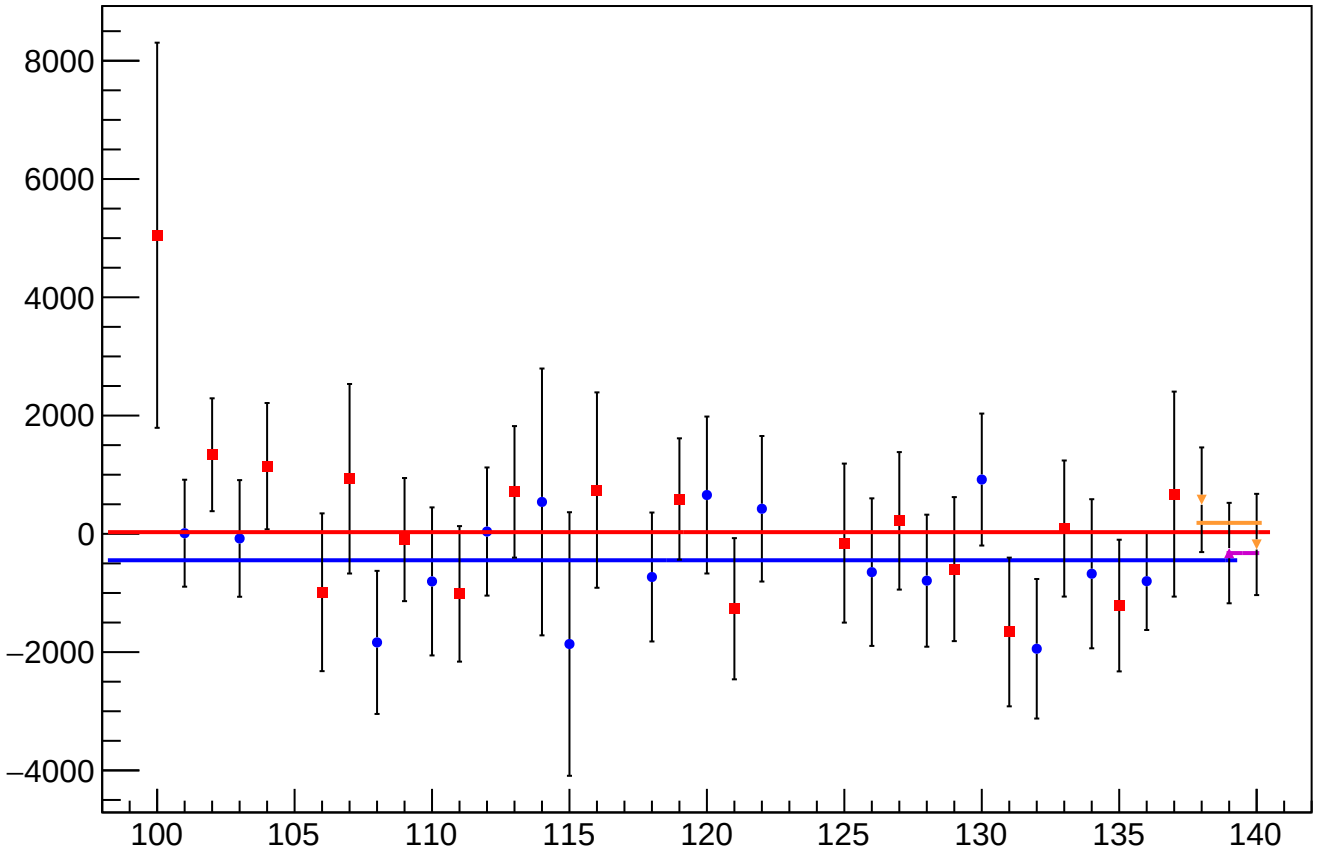
Left: 503.519+/-0.230 χ^2/NDF: 102737.2/2

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

In: 682.863+/-0.177 χ^2/NDF:1056500.3/16

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

All: 641.528+/-0.116 χ^2/NDF: 2926767.1/36



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

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

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

Left In: -325.157+/-849.227 χ^2/NDF:0.0/0

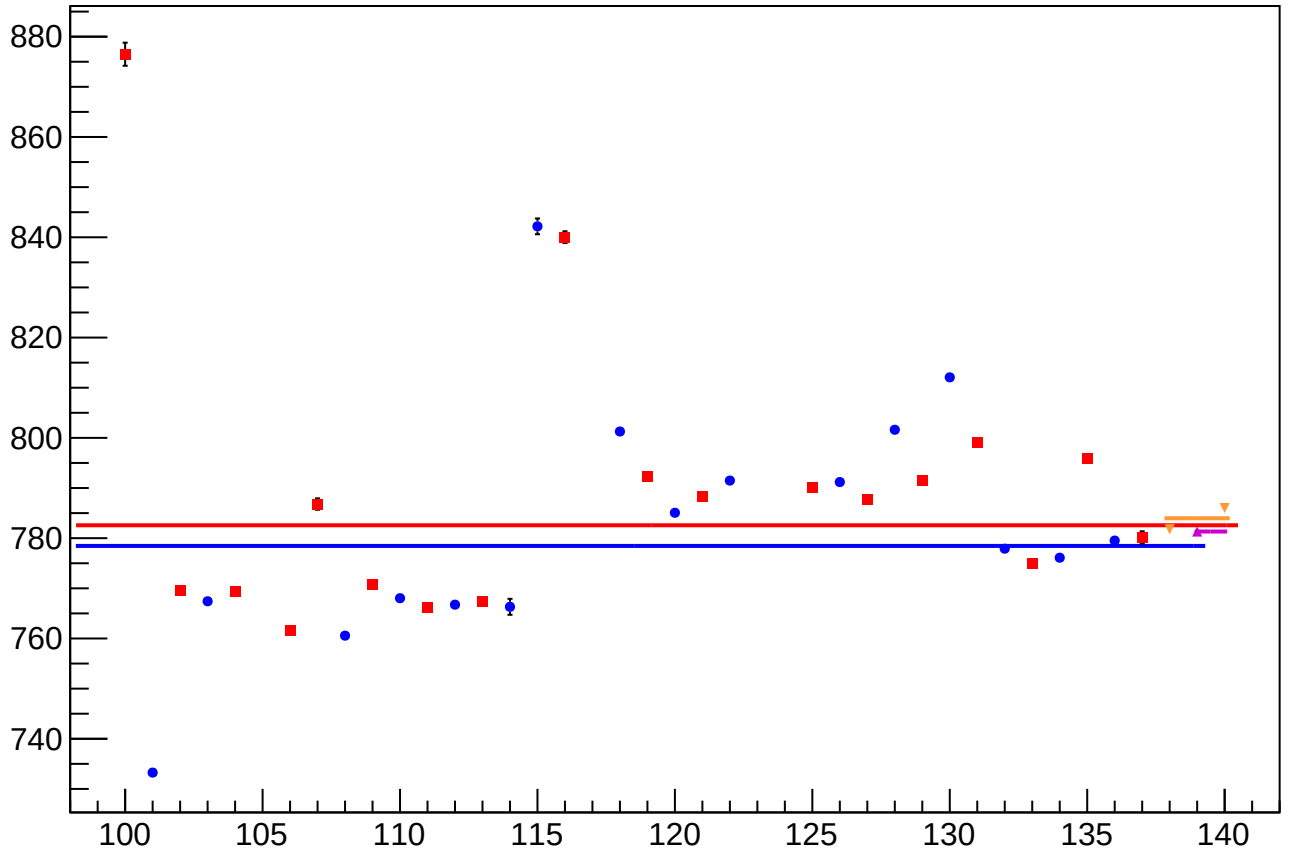
Left: 9.926+/-498.227 χ^2/NDF: 0.6/2

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

In: -434.029+/-273.794 χ^2/NDF:7.3/16

Out: 57.067+/-261.112 χ^2/NDF:13.1/19

All: -176.845+/-188.958 χ^2/NDF: 22.1/36



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

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

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

Left In: 781.328+/-0.600 χ^2/NDF:0.0/0

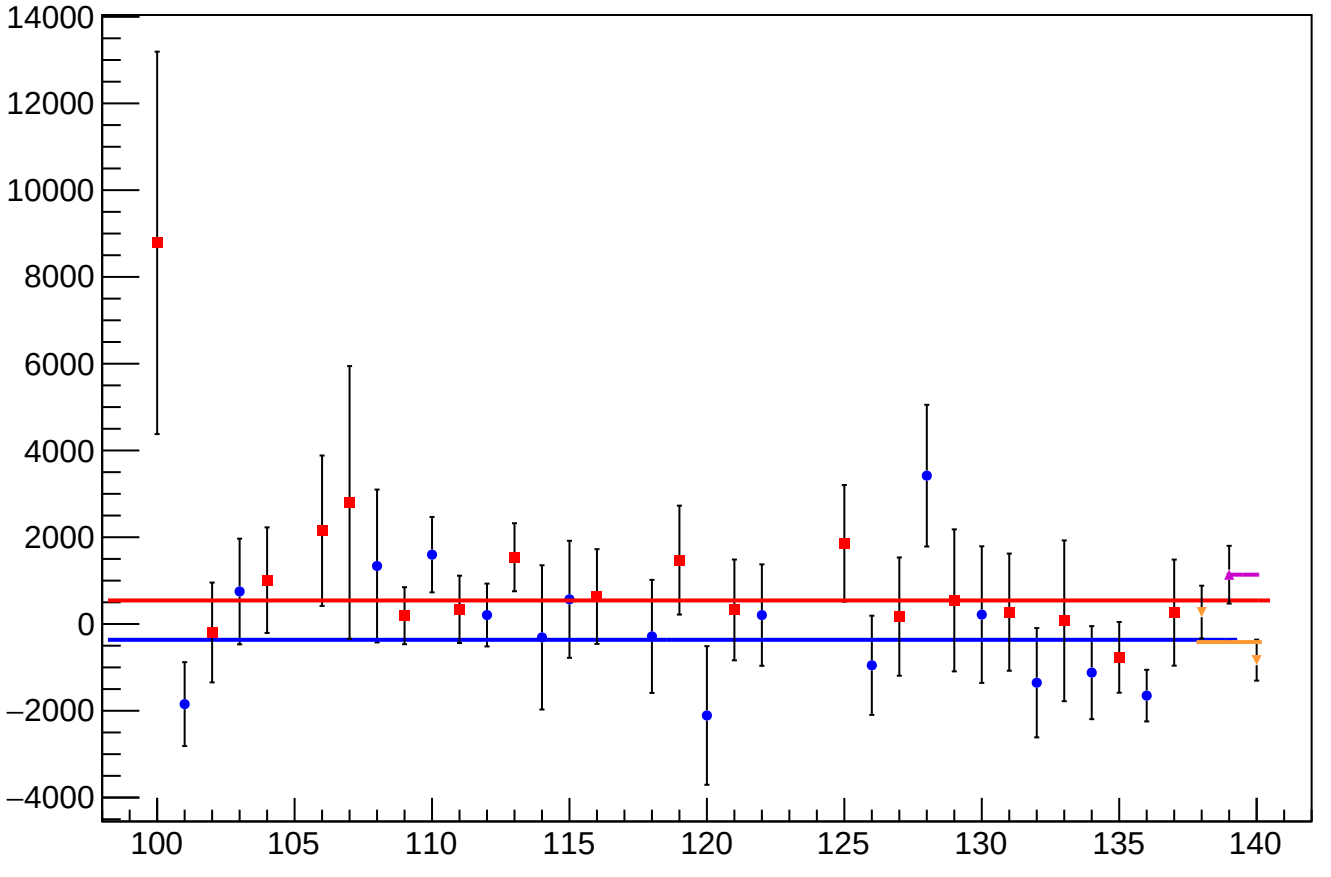
Left: 783.059+/-0.352 χ^2/NDF: 36.3/2

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

In: 778.754+/-0.194 χ^2/NDF:11815.7/16

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

All: 780.887+/-0.134 χ^2/NDF: 19560.7/36



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

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

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

Left In: 1136.707+/-665.190 χ^2/NDF:0.0/0

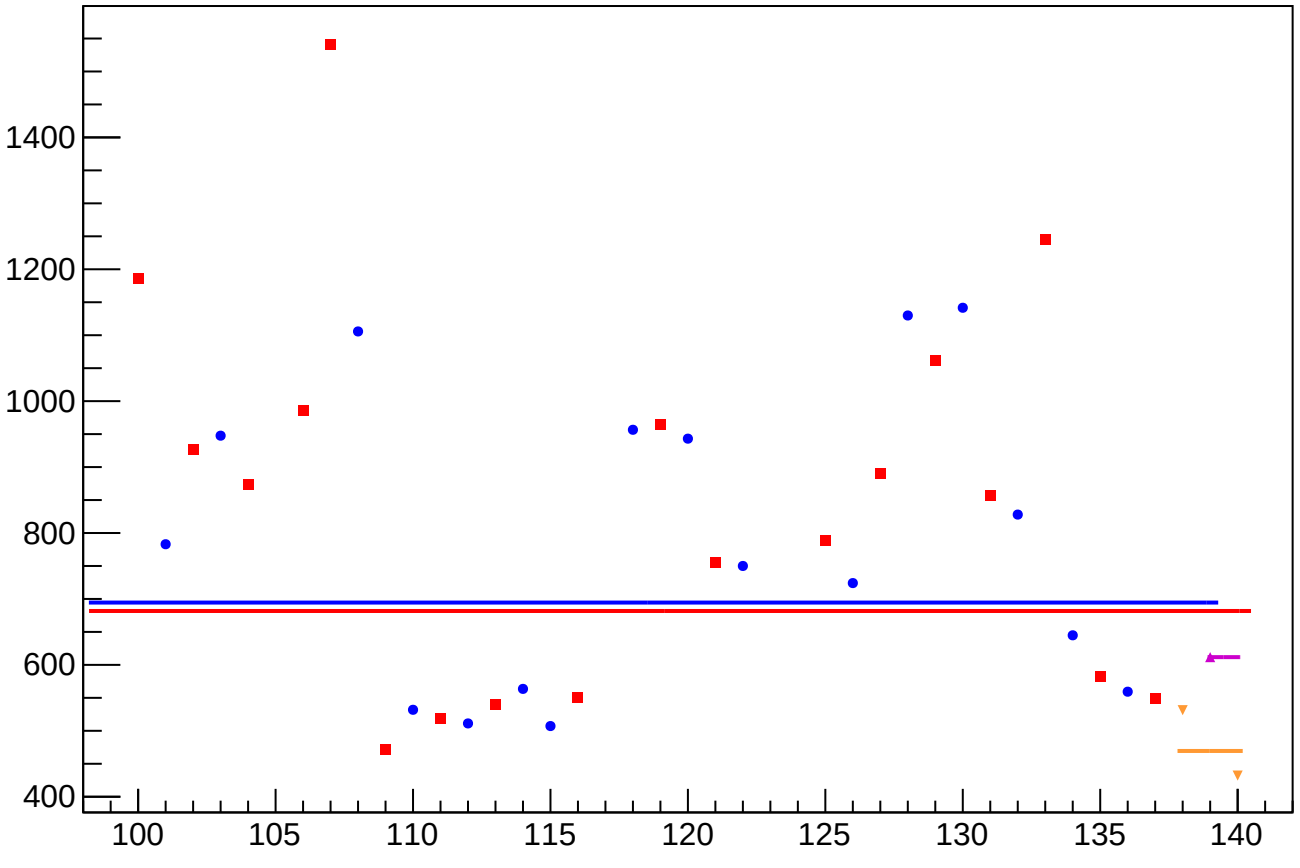
Left: -44.003+/-325.554 χ^2/NDF: 6.2/2

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

In: -152.627+/-249.631 χ^2/NDF:27.7/16

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

All: 60.943+/-163.445 χ^2/NDF: 47.2/36



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

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

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

Left In: 611.742+/-0.470 χ^2/NDF:0.0/0

Left: 503.520+/-0.230 χ^2/NDF: 102745.2/2

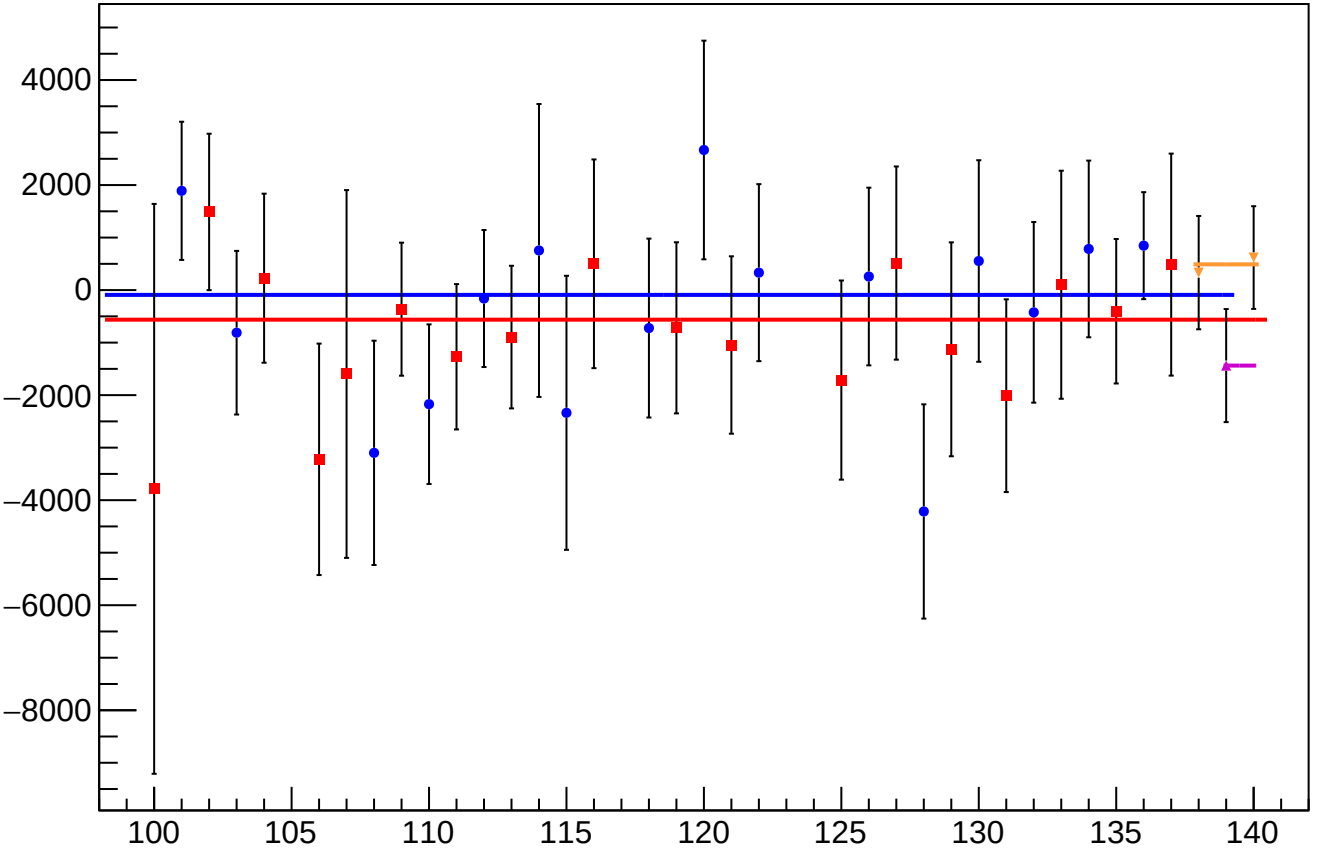
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 682.861+/-0.177 χ^2/NDF:1056506.6/16

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

All: 641.526+/-0.116 χ^2/NDF: 2926784.5/36

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 490.305+/-724.511 χ^2/NDF:0.0/1

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

Left In: -1437.521+/-1076.494 χ^2/NDF:0.0/0

Left: -110.701+/-601.059 χ^2/NDF: 2.2/2

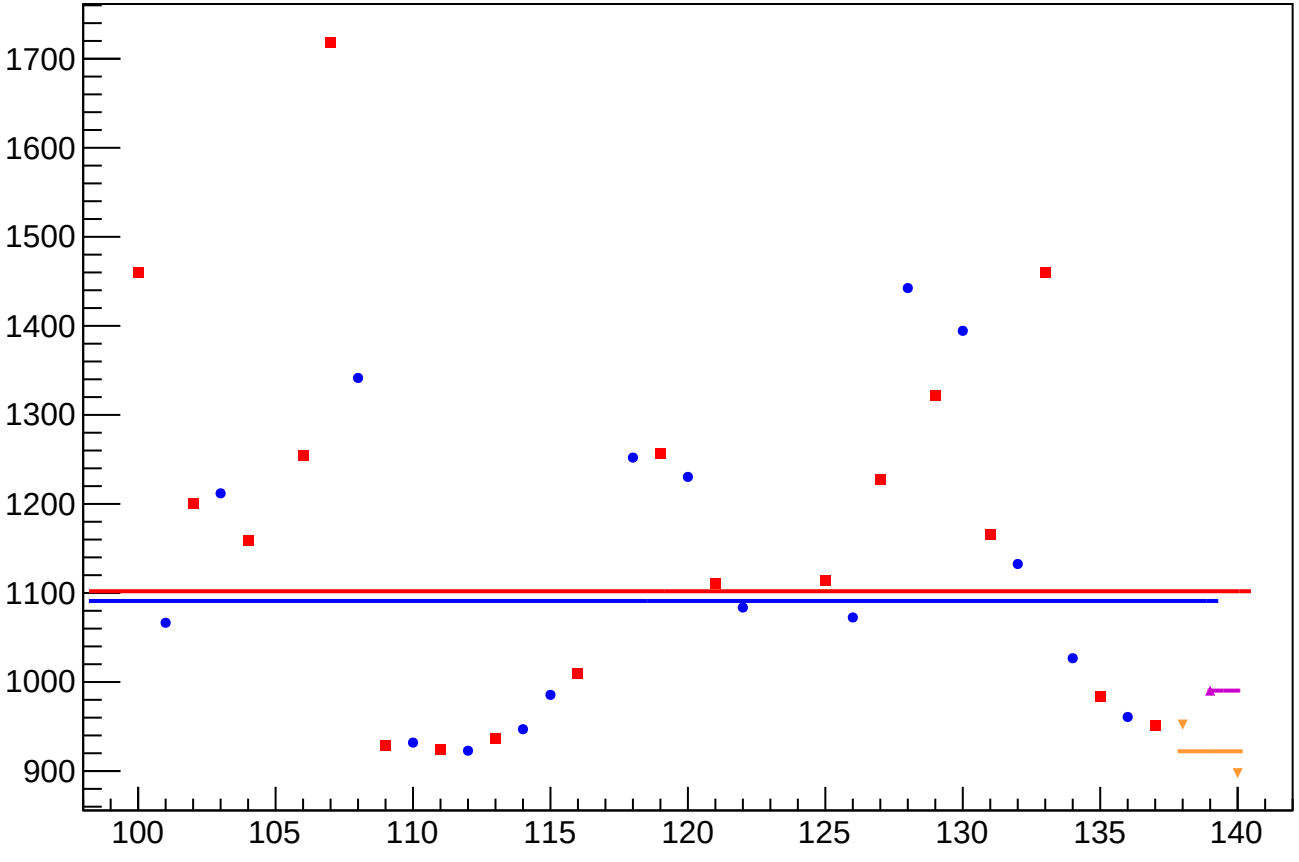
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -261.815+/-383.116 χ^2/NDF:15.9/16

Out: -306.251+/-357.857 χ^2/NDF:8.2/19

All: -285.546+/-261.517 χ^2/NDF: 24.1/36

asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

Left In: 990.376+/-0.761 χ^2/NDF:0.0/0

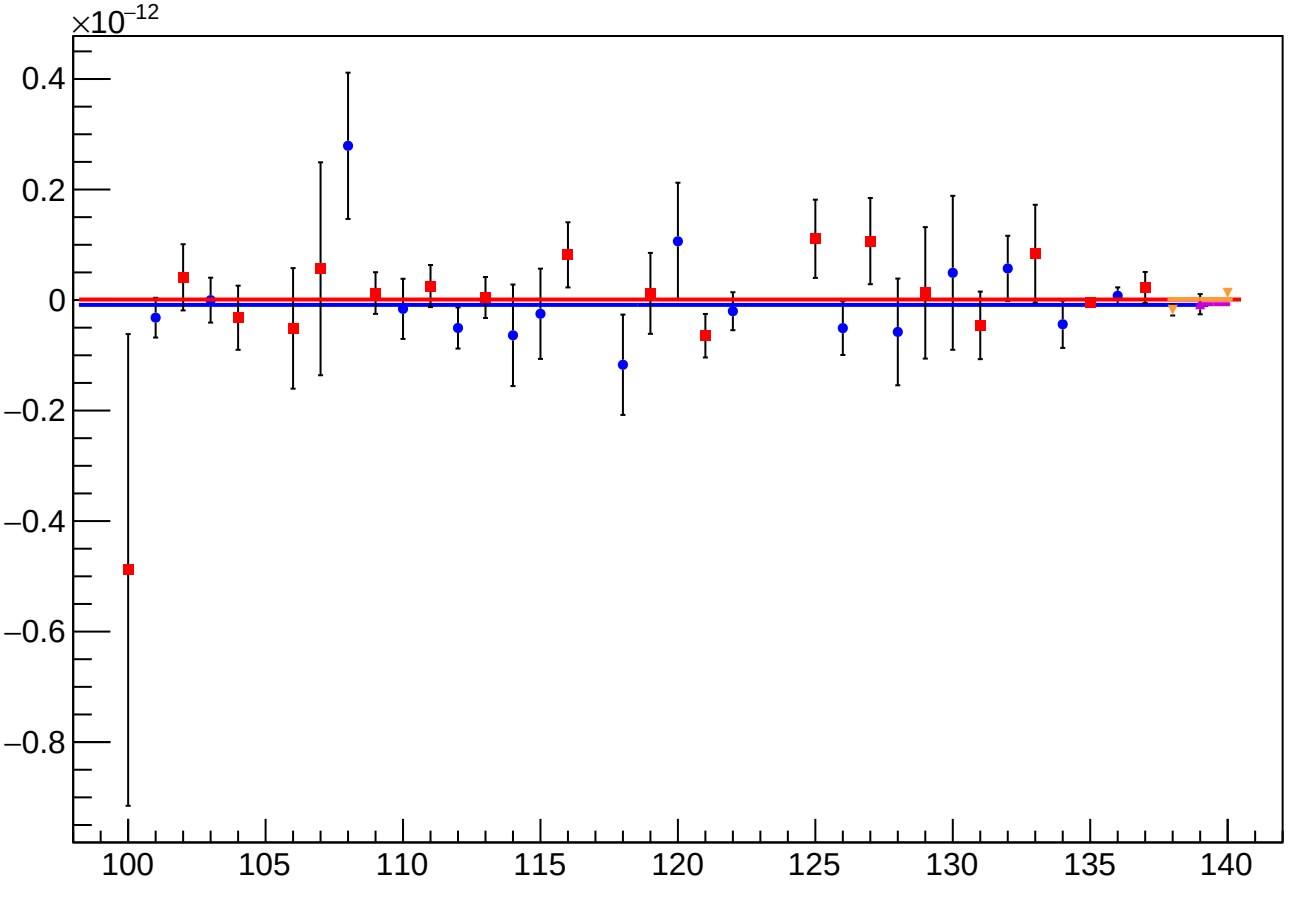
Left: 943.468+/-0.425 χ^2/NDF: 8324.9/2

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

In: 1078.291+/-0.271 χ^2/NDF:292578.8/16

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

All: 1067.510+/-0.185 χ^2/NDF: 719512.5/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/1

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

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

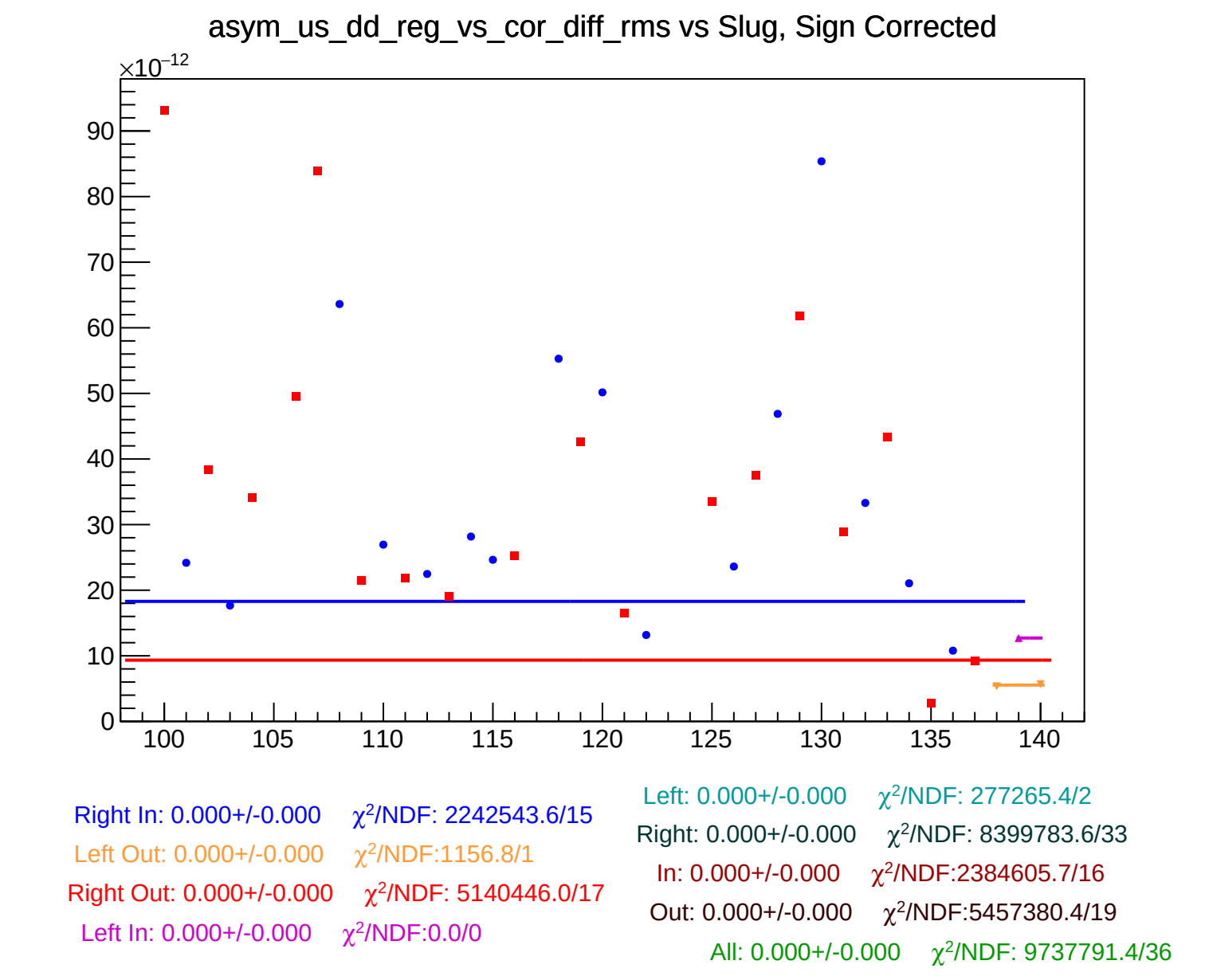
Left: 0.000+/-0.000 χ^2/NDF: 5.9/2

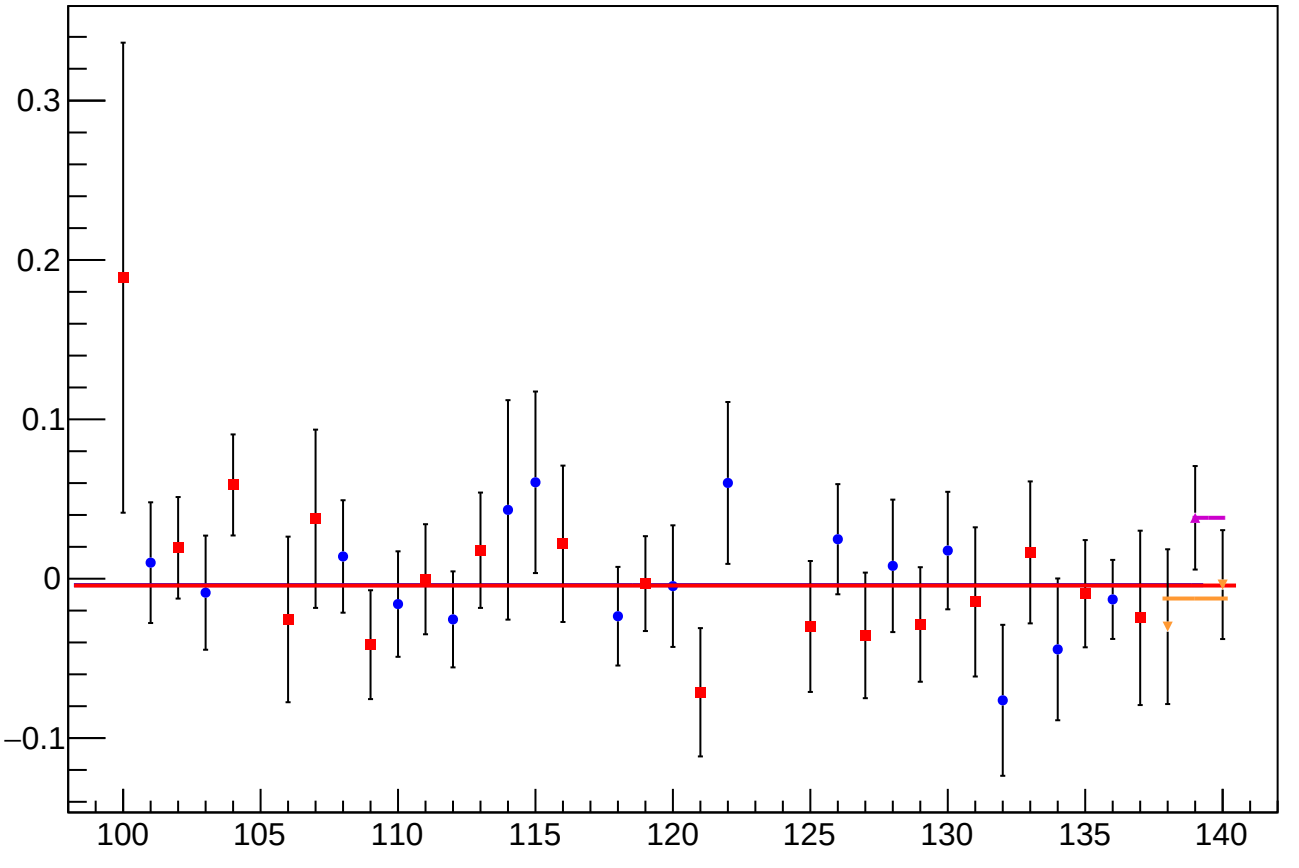
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: -0.000+/-0.000 χ^2/NDF:13.8/16

Out: 0.000+/-0.000 χ^2/NDF:20.0/19

All: -0.000+/-0.000 χ^2/NDF: 34.8/36


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1156.8/1
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 277265.4/2
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:2384605.7/16
Out: 0.000+/-0.000 χ²/NDF:5457380.4/19
All: 0.000+/-0.000 χ²/NDF: 9737791.4/36



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

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

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

Left In: 0.038+/-0.032 χ^2/NDF:0.0/0

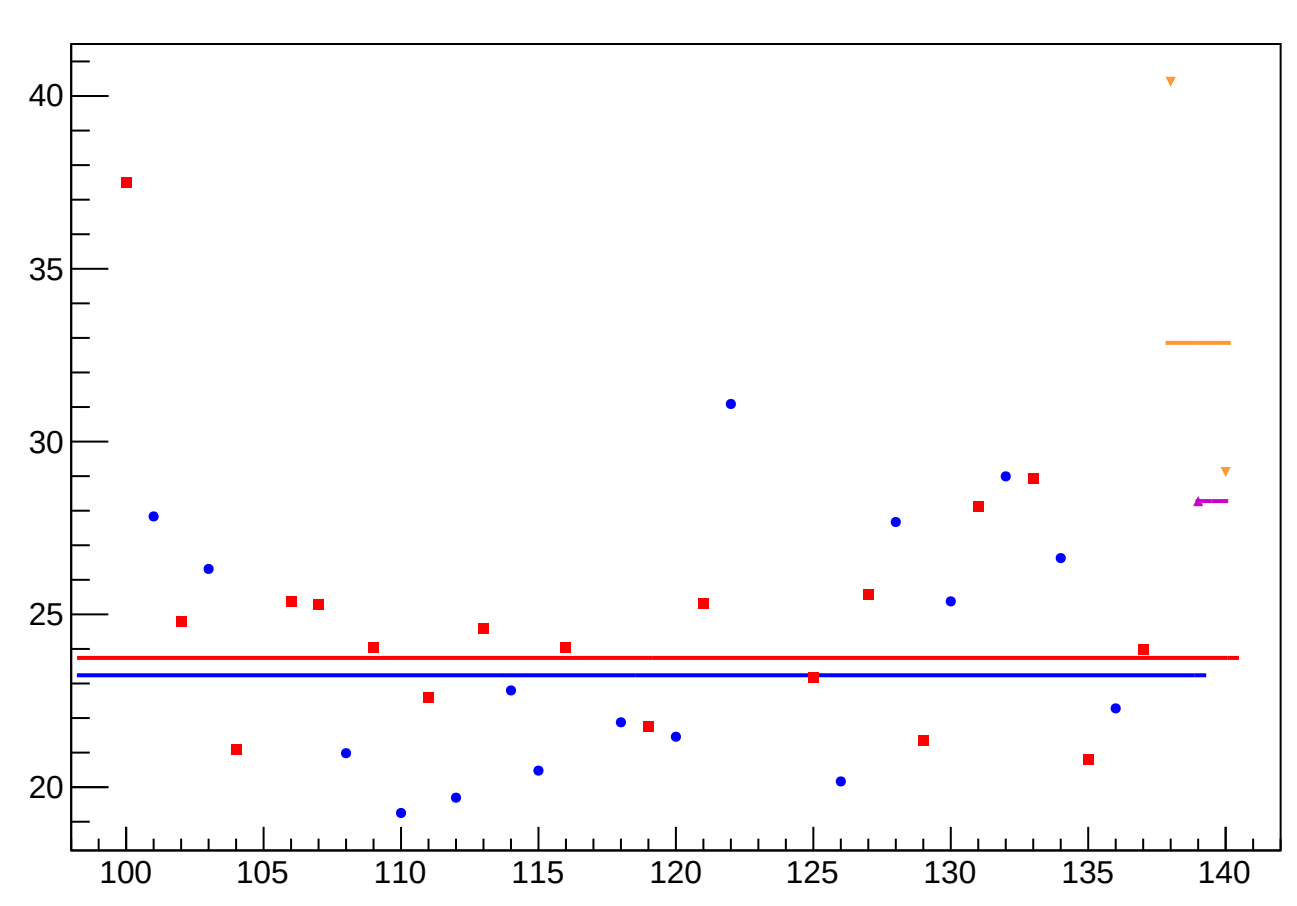
Left: 0.009+/-0.021 χ^2/NDF: 1.6/2

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

In: -0.001+/-0.009 χ^2/NDF:10.8/16

Out: -0.005+/-0.009 χ^2/NDF:13.8/19

All: -0.003+/-0.006 χ^2/NDF: 24.7/36



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

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

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

Left In: 28.278+/-0.023 χ^2/NDF:0.0/0

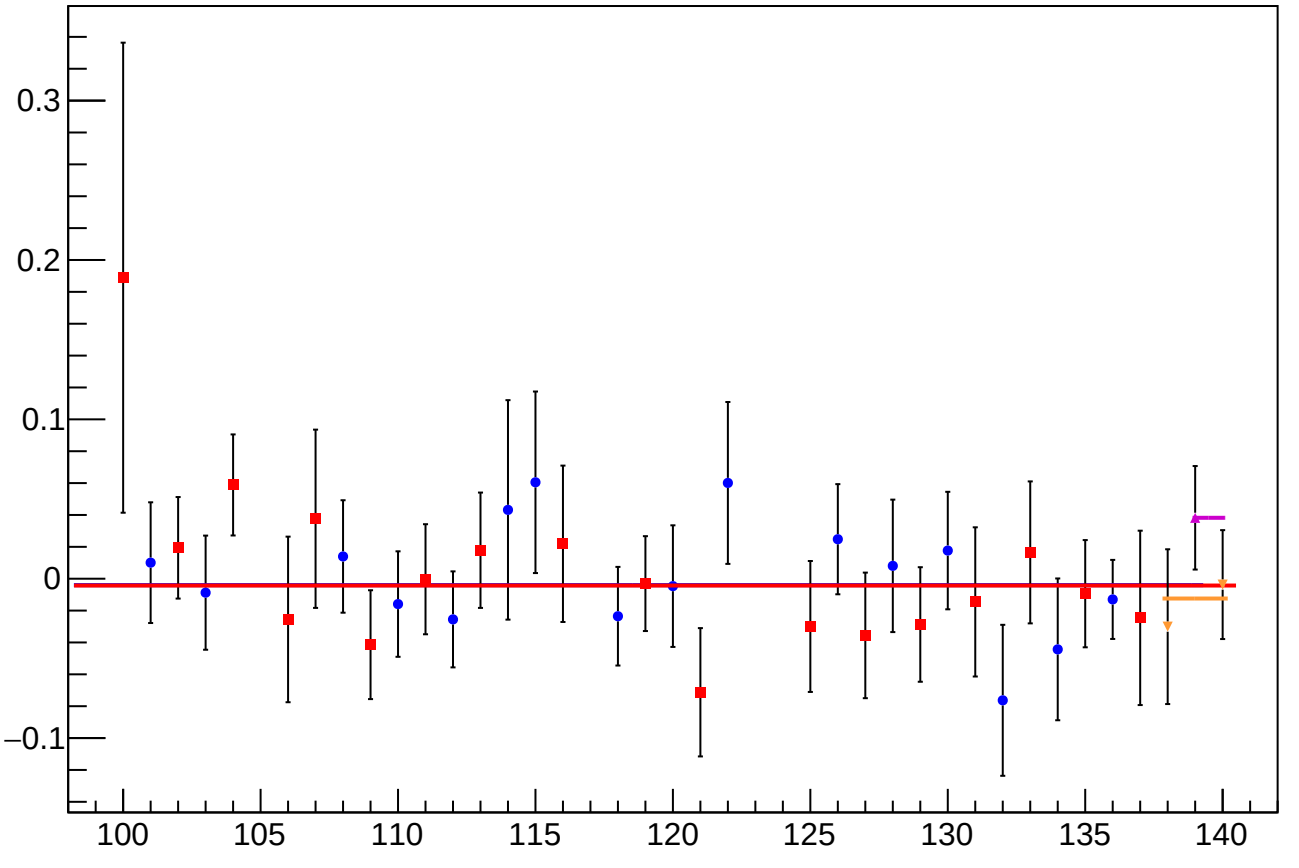
Left: 30.909+/-0.015 χ^2/NDF: 95165.6/2

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

In: 23.617+/-0.006 χ^2/NDF:303773.5/16

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

All: 24.138+/-0.004 χ^2/NDF: 707493.1/36



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

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

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

Left In: 0.038+/-0.032 χ^2/NDF:0.0/0

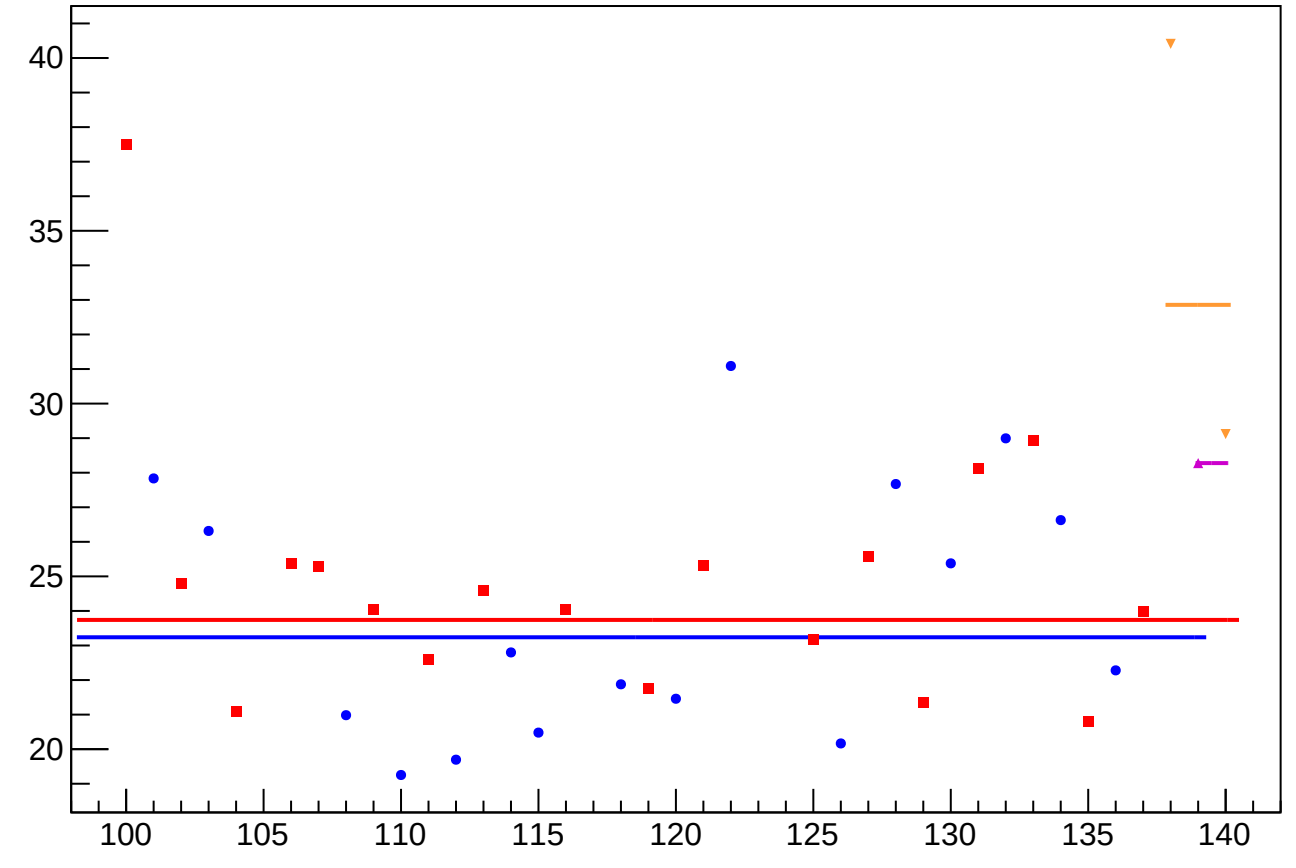
Left: 0.009+/-0.021 χ^2/NDF: 1.6/2

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

In: -0.001+/-0.009 χ^2/NDF:10.8/16

Out: -0.005+/-0.009 χ^2/NDF:13.8/19

All: -0.003+/-0.006 χ^2/NDF: 24.7/36



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

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

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

Left In: 28.278+/-0.023 χ^2/NDF:0.0/0

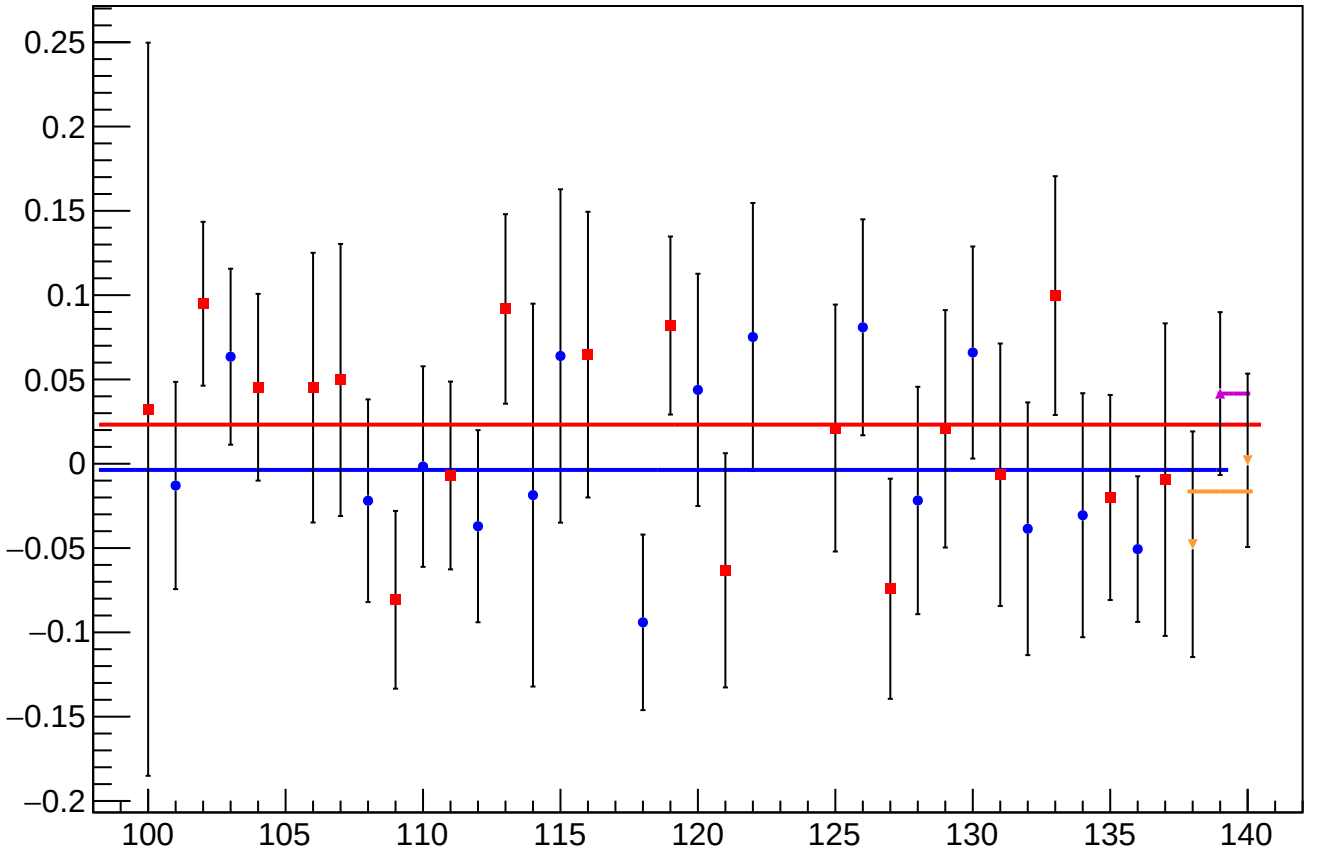
Left: 30.909+/-0.015 χ^2/NDF: 95165.6/2

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

In: 23.617+/-0.006 χ^2/NDF:303773.5/16

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

All: 24.138+/-0.004 χ^2/NDF: 707493.1/36



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

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

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

Left In: 0.042+/-0.048 χ^2/NDF:0.0/0

Left: 0.008+/-0.031 χ^2/NDF: 1.2/2

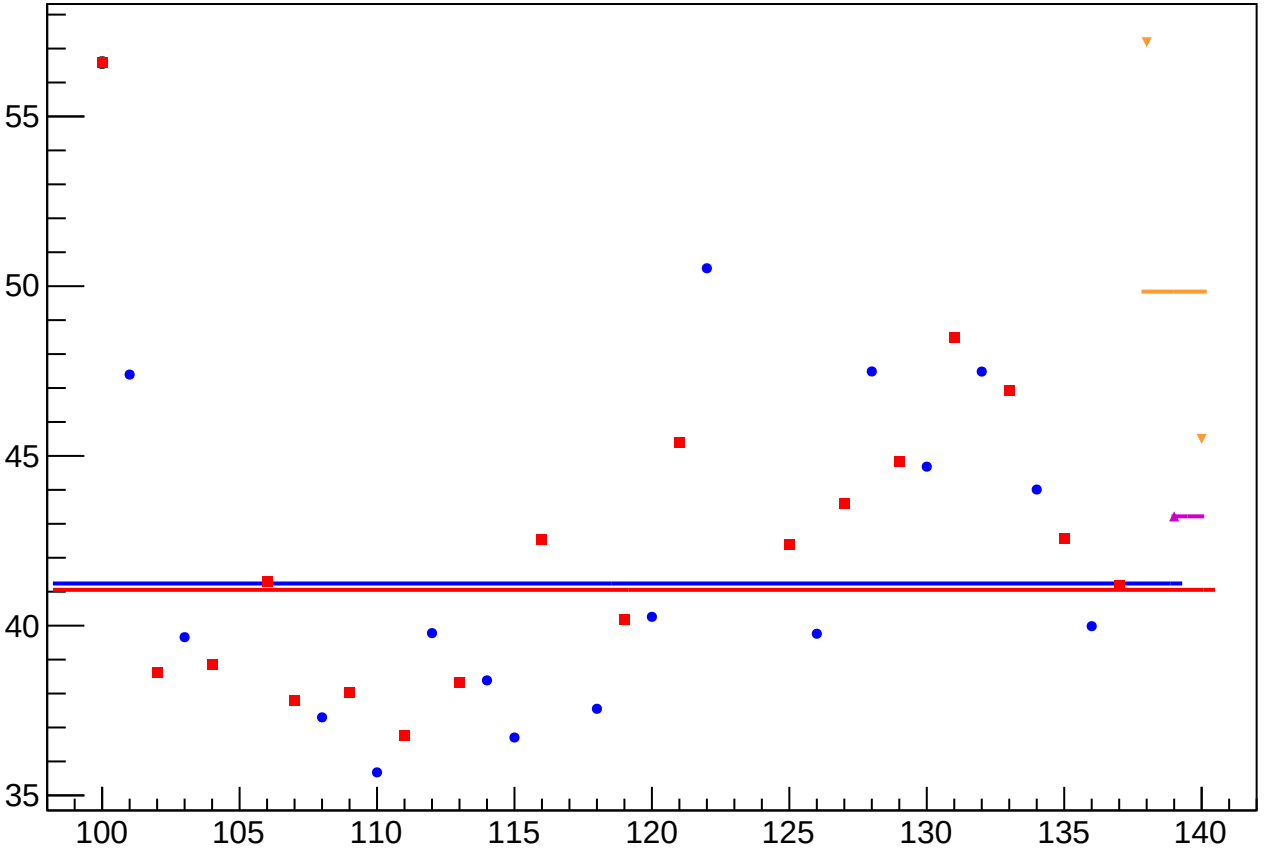
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.001+/-0.015 χ^2/NDF:12.4/16

Out: 0.018+/-0.014 χ^2/NDF:16.6/19

All: 0.010+/-0.010 χ^2/NDF: 29.7/36

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 43.219+/-0.034 χ^2/NDF:0.0/0

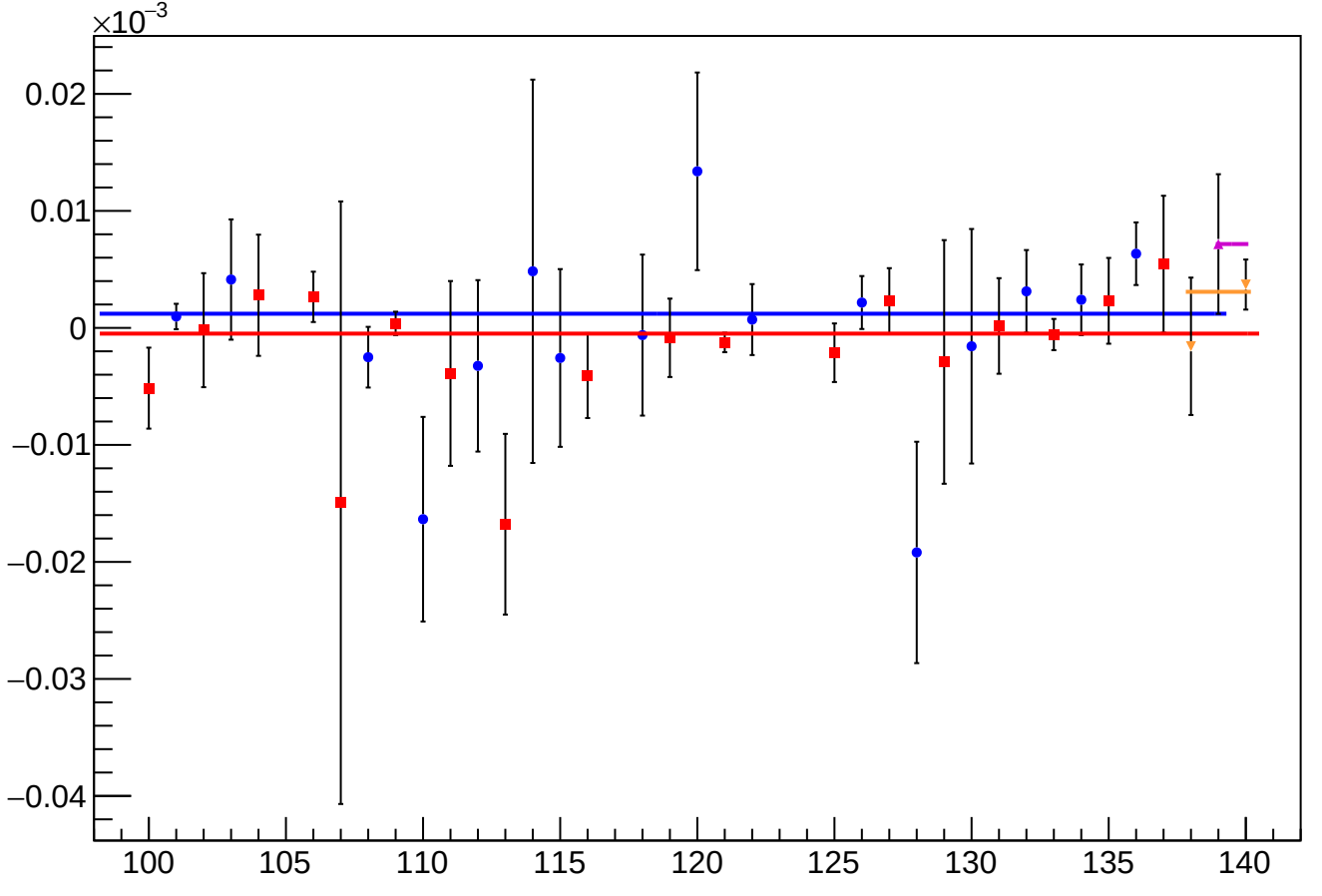
Left: 47.086+/-0.022 χ^2/NDF: 60275.6/2

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

In: 41.431+/-0.011 χ^2/NDF:138310.1/16

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

All: 41.810+/-0.007 χ^2/NDF: 356821.6/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

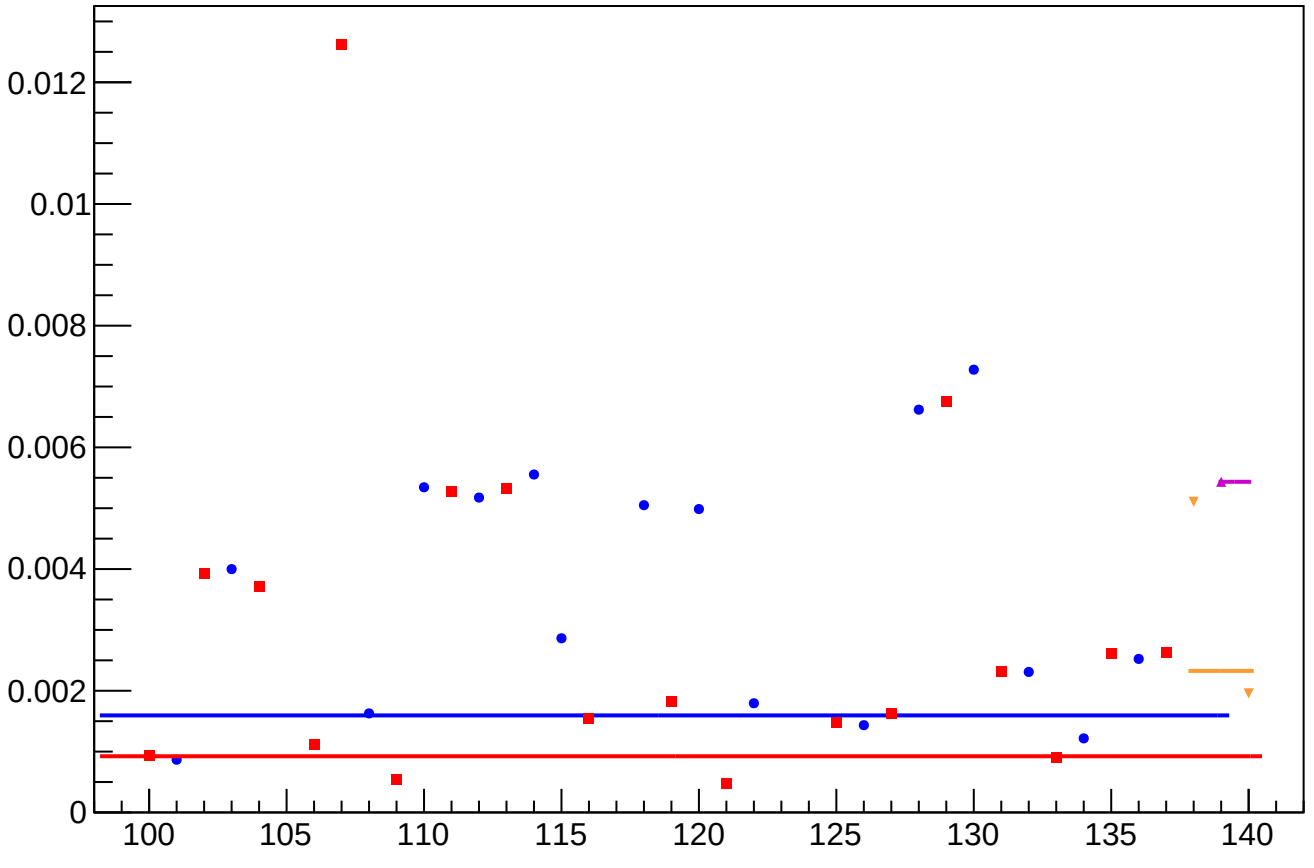
Left: 0.000+/-0.000 χ^2/NDF: 1.1/2

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:19.3/16

Out: -0.000+/-0.000 χ^2/NDF:18.7/19

All: 0.000+/-0.000 χ^2/NDF: 41.2/36



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

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

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

Left In: 0.005+/-0.000 χ^2/NDF:0.0/0

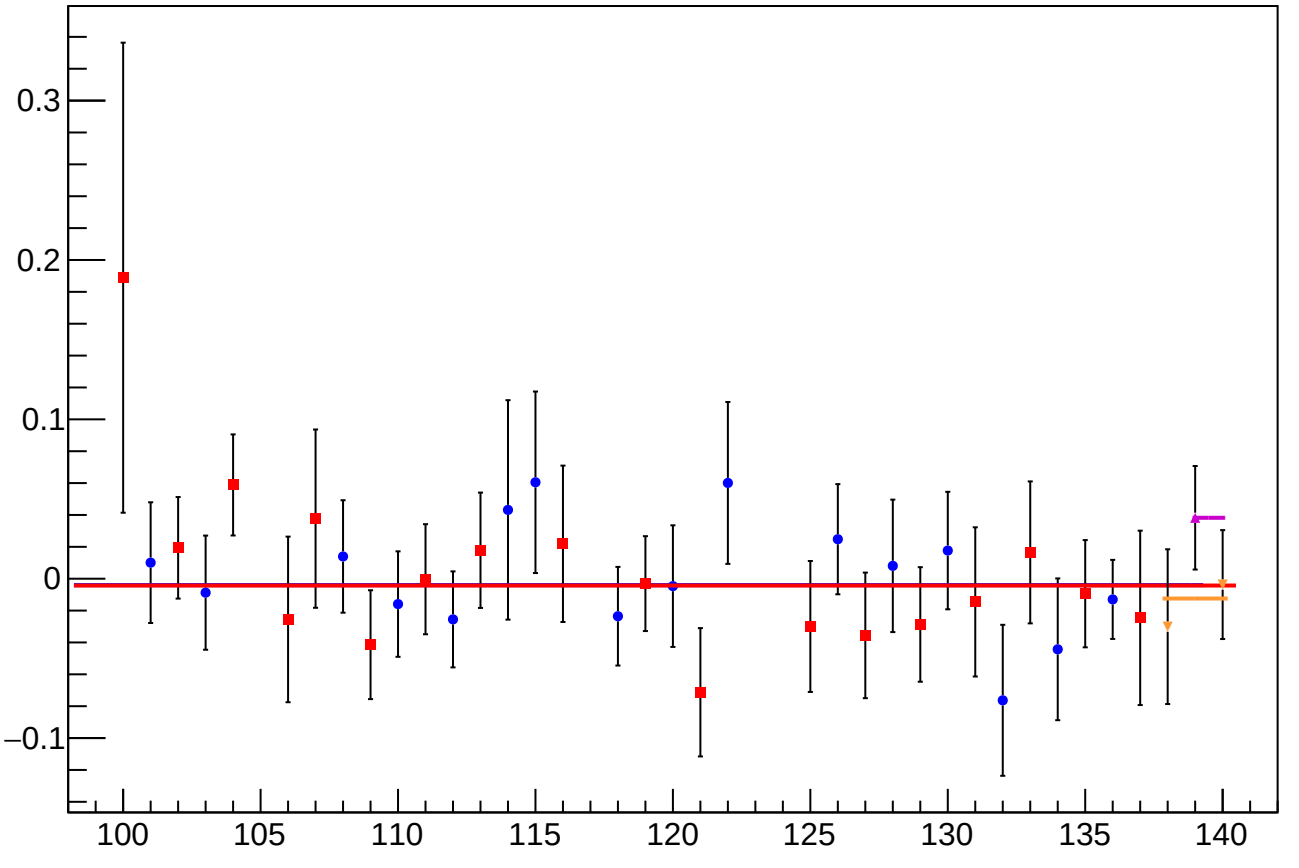
Left: 0.003+/-0.000 χ^2/NDF: 994639.5/2

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

In: 0.002+/-0.000 χ^2/NDF:5577095.2/16

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

All: 0.001+/-0.000 χ^2/NDF: 13857176.6/36



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

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

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

Left In: 0.038+/-0.032 χ^2/NDF:0.0/0

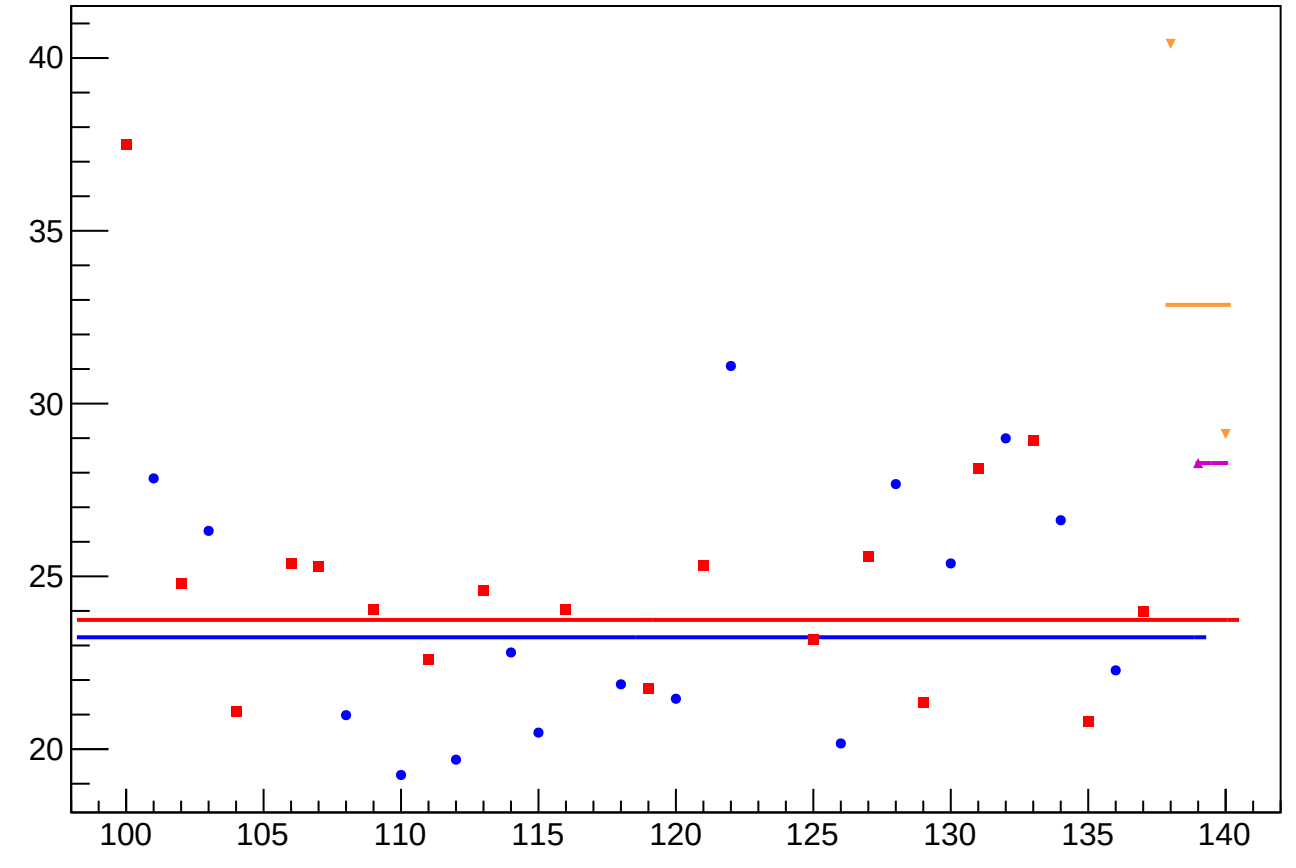
Left: 0.009+/-0.021 χ^2/NDF: 1.6/2

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

In: -0.001+/-0.009 χ^2/NDF:10.8/16

Out: -0.005+/-0.009 χ^2/NDF:13.8/19

All: -0.003+/-0.006 χ^2/NDF: 24.7/36



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

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

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

Left In: 28.279+/-0.023 χ^2/NDF:0.0/0

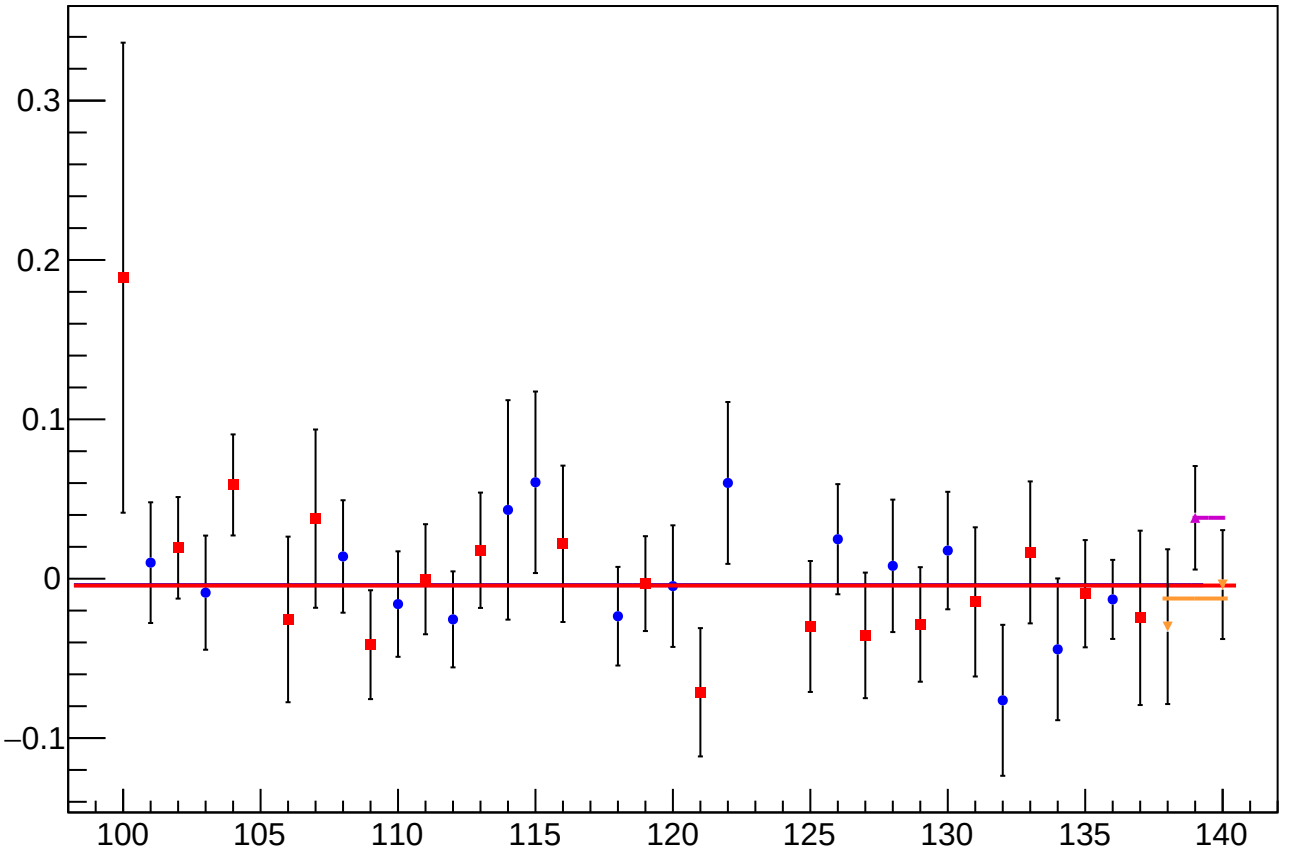
Left: 30.910+/-0.015 χ^2/NDF: 95157.9/2

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

In: 23.616+/-0.006 χ^2/NDF:303794.4/16

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

All: 24.138+/-0.004 χ^2/NDF: 707478.6/36



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

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

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

Left In: 0.038+/-0.032 χ^2/NDF:0.0/0

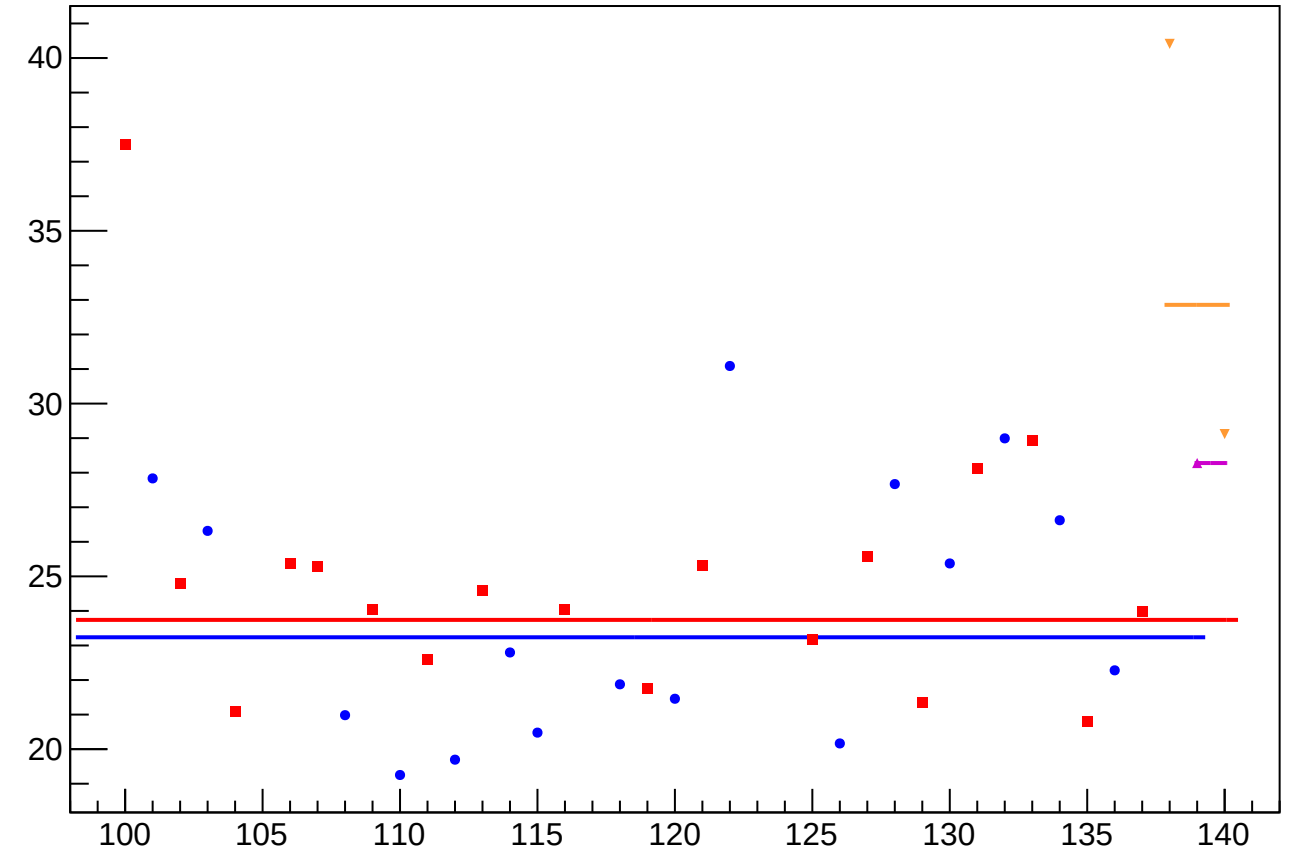
Left: 0.009+/-0.021 χ^2/NDF: 1.6/2

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

In: -0.001+/-0.009 χ^2/NDF:10.8/16

Out: -0.005+/-0.009 χ^2/NDF:13.8/19

All: -0.003+/-0.006 χ^2/NDF: 24.7/36



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

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

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

Left In: 28.279+/-0.023 χ^2/NDF:0.0/0

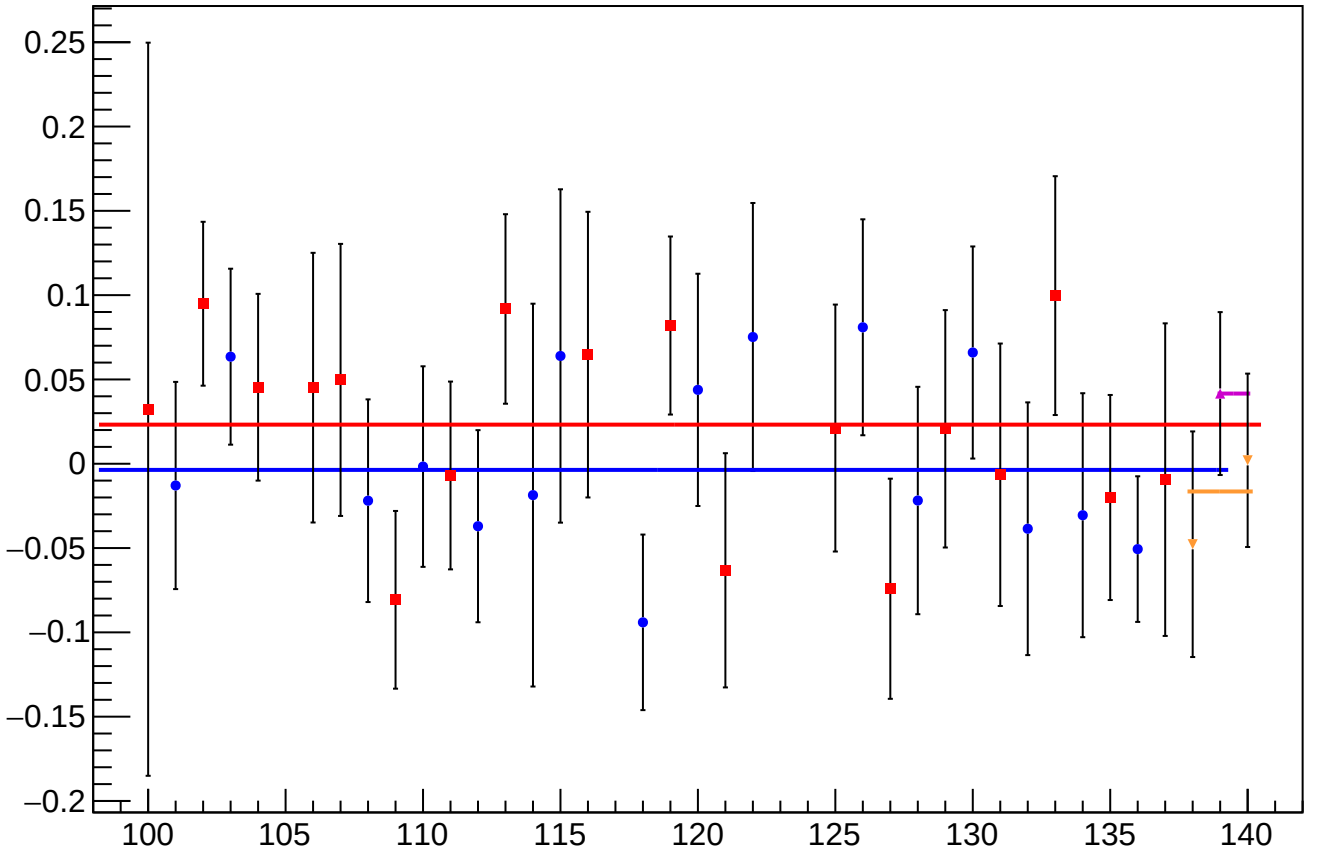
Left: 30.910+/-0.015 χ^2/NDF: 95157.9/2

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

In: 23.616+/-0.006 χ^2/NDF:303794.4/16

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

All: 24.138+/-0.004 χ^2/NDF: 707478.6/36



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

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

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

Left In: 0.042+/-0.048 χ^2/NDF:0.0/0

Left: 0.008+/-0.031 χ^2/NDF: 1.2/2

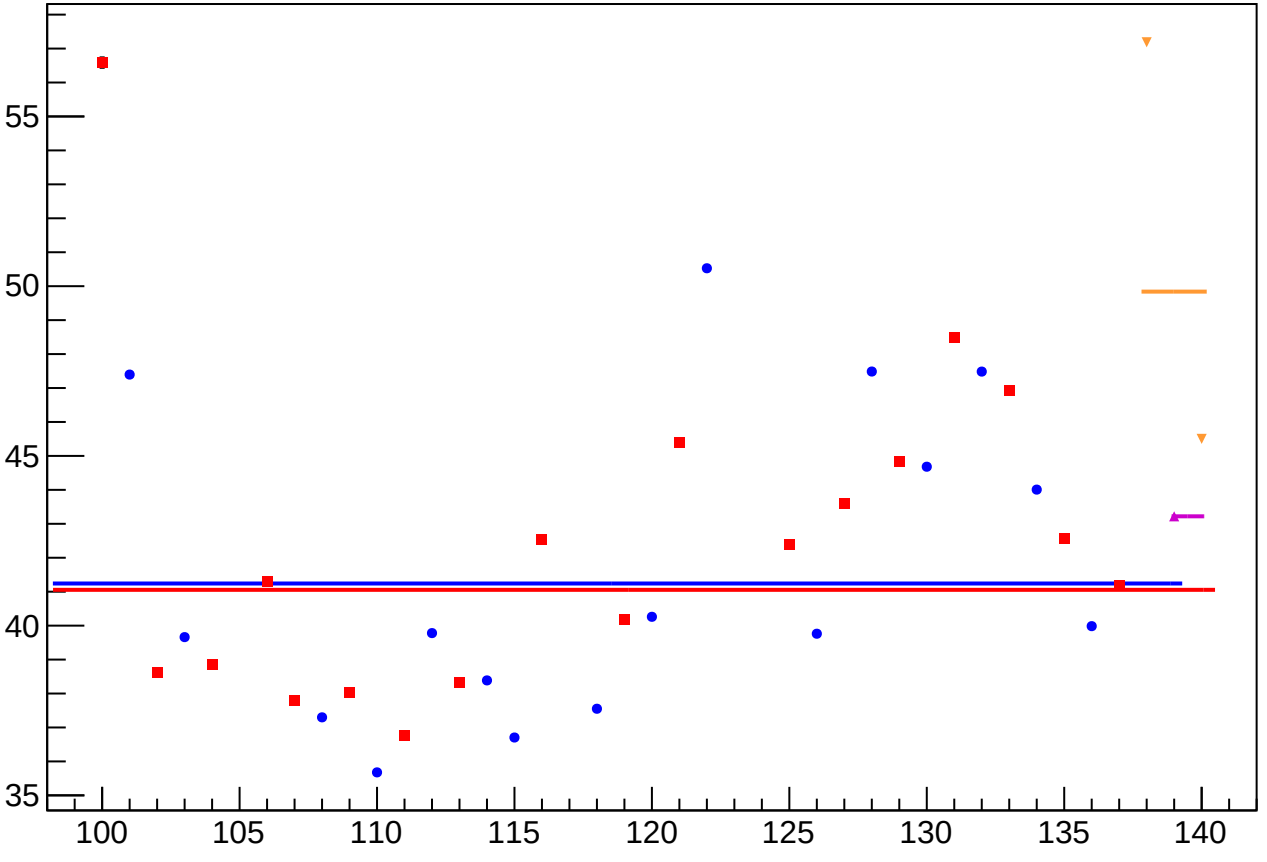
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.001+/-0.015 χ^2/NDF:12.4/16

Out: 0.018+/-0.014 χ^2/NDF:16.6/19

All: 0.010+/-0.010 χ^2/NDF: 29.7/36

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 43.220+/-0.034 χ^2/NDF:0.0/0

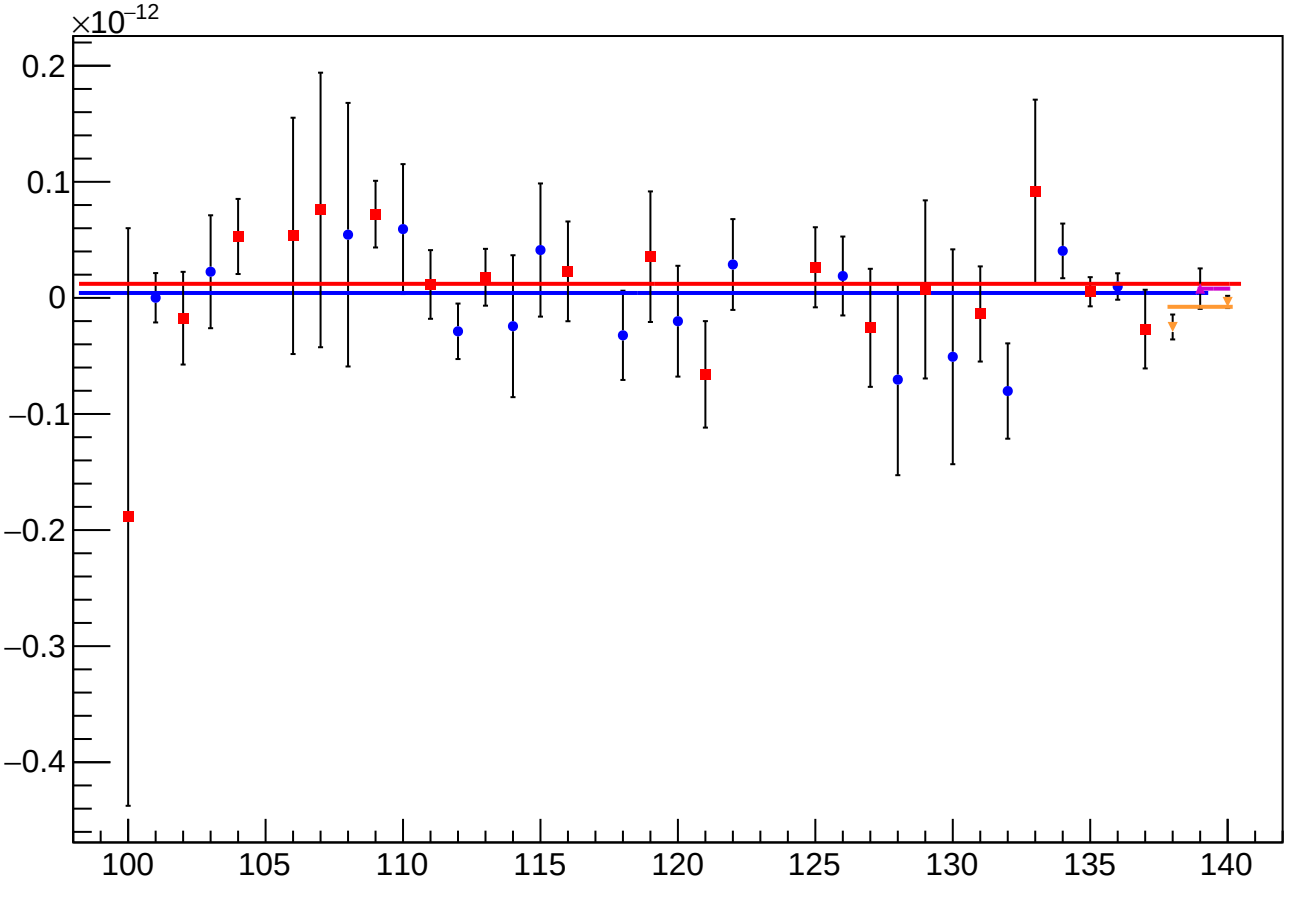
Left: 47.087+/-0.022 χ^2/NDF: 60271.9/2

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

In: 41.431+/-0.011 χ^2/NDF:138291.3/16

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

All: 41.810+/-0.007 χ^2/NDF: 356795.3/36



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

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

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

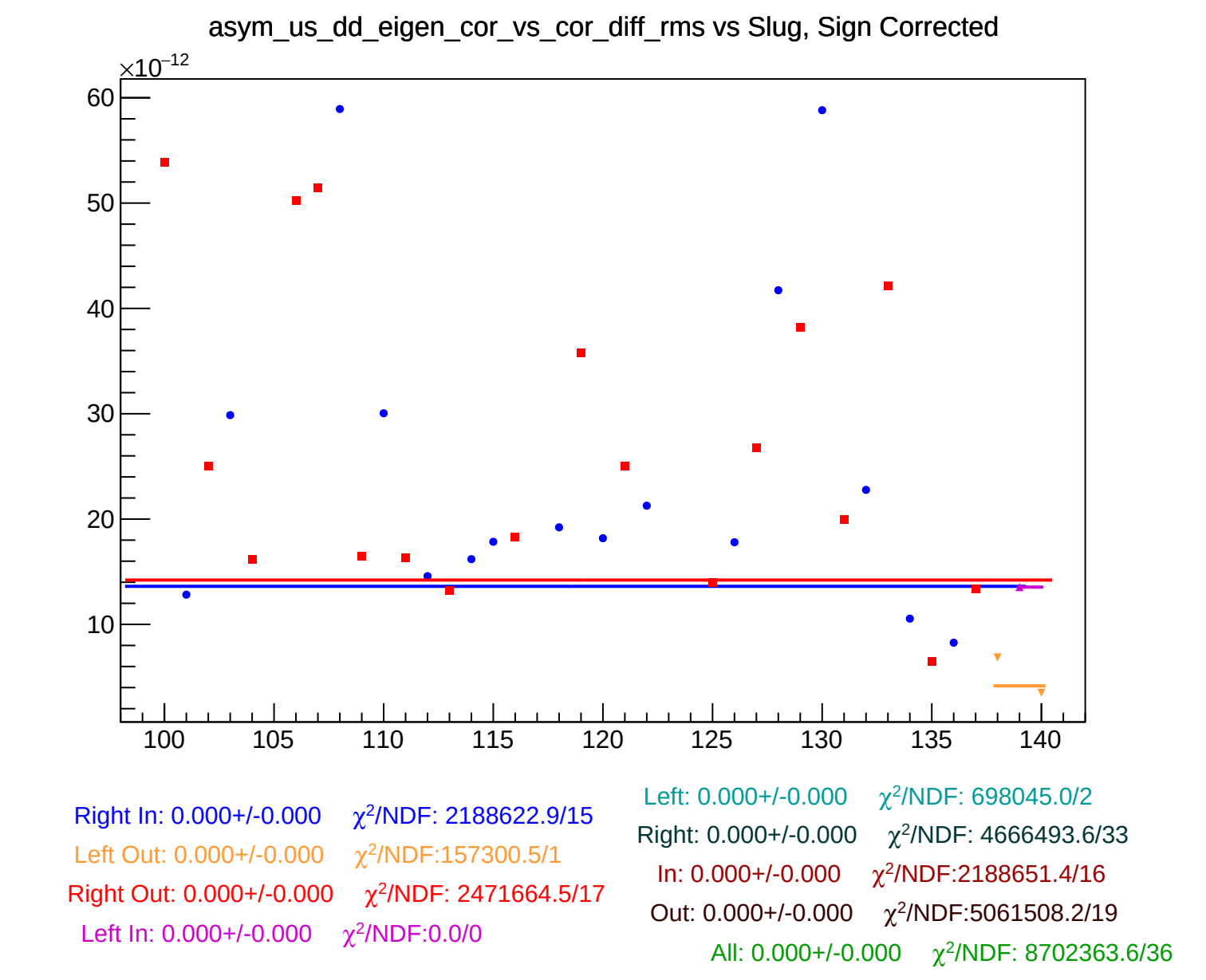
Left: -0.000+/-0.000 χ^2/NDF: 4.0/2

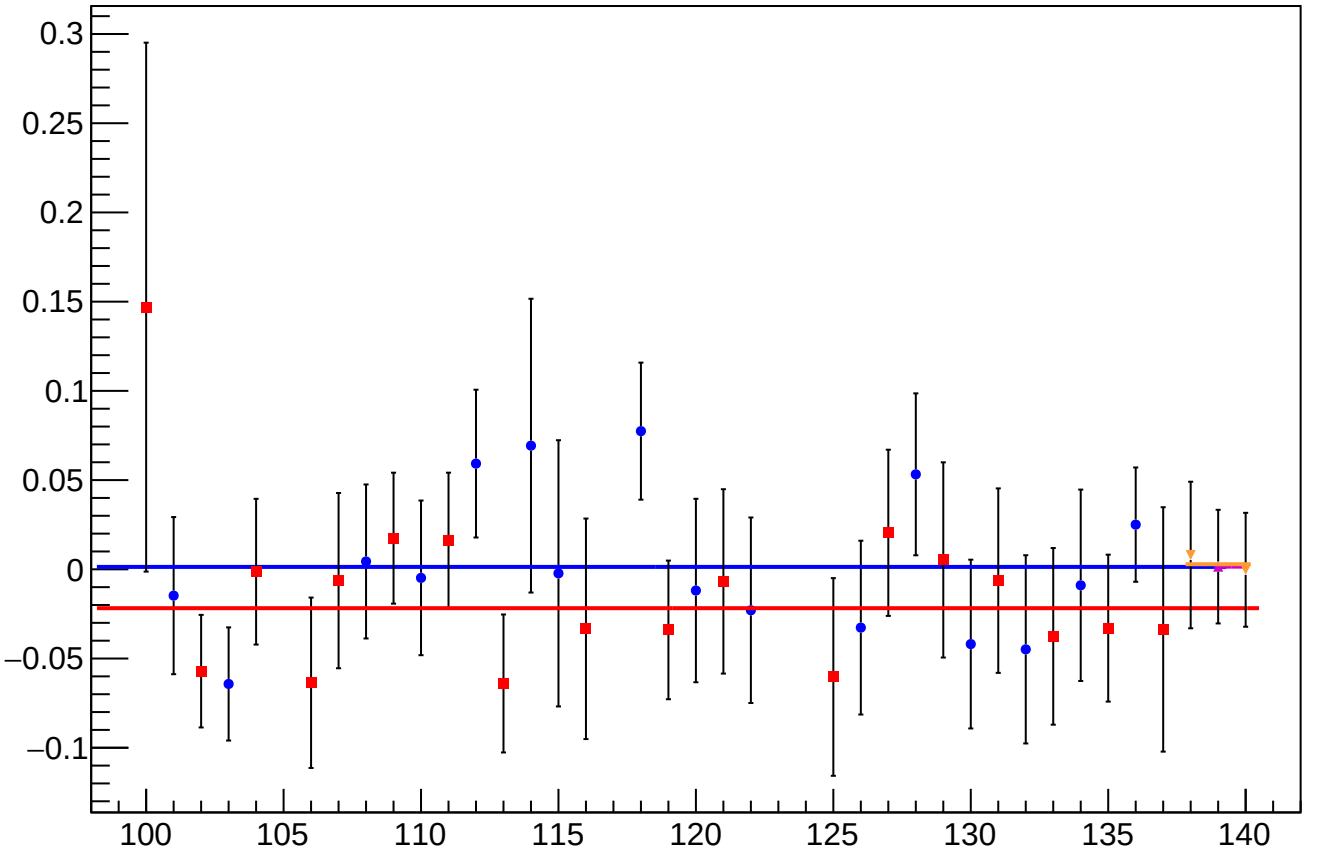
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:13.7/16

Out: -0.000+/-0.000 χ^2/NDF:22.5/19

All: -0.000+/-0.000 χ^2/NDF: 37.0/36


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:157300.5/1
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 698045.0/2
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:2188651.4/16
Out: 0.000+/-0.000 χ²/NDF:5061508.2/19
All: 0.000+/-0.000 χ²/NDF: 8702363.6/36



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

Left Out: 0.003+/-0.025 χ^2/NDF:0.0/1

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

Left In: 0.002+/-0.032 χ^2/NDF:0.0/0

Left: 0.002+/-0.020 χ^2/NDF: 0.0/2

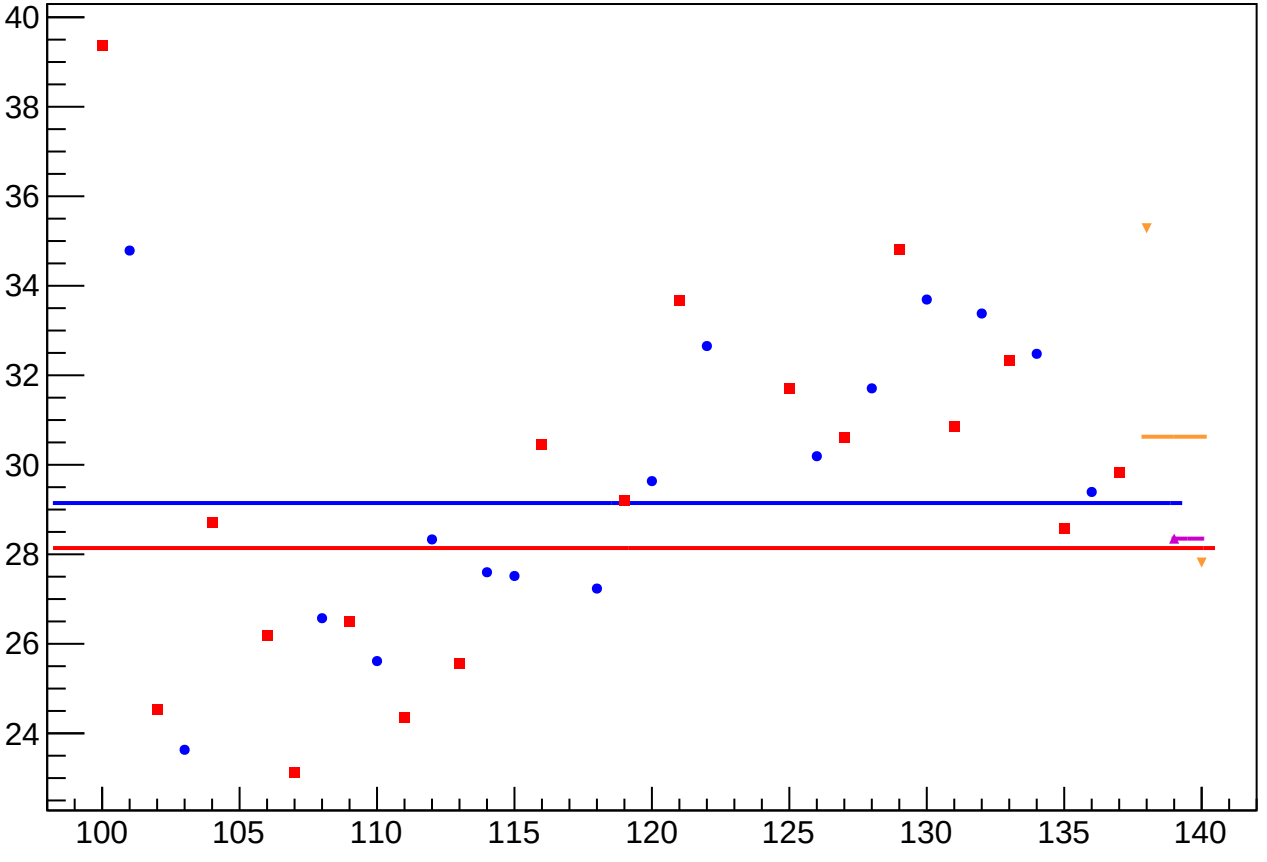
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.001+/-0.011 χ^2/NDF:15.3/16

Out: -0.018+/-0.010 χ^2/NDF:9.9/19

All: -0.009+/-0.007 χ^2/NDF: 26.9/36

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 28.351+/-0.023 χ^2/NDF:0.0/0

Left: 29.751+/-0.014 χ^2/NDF: 47527.2/2

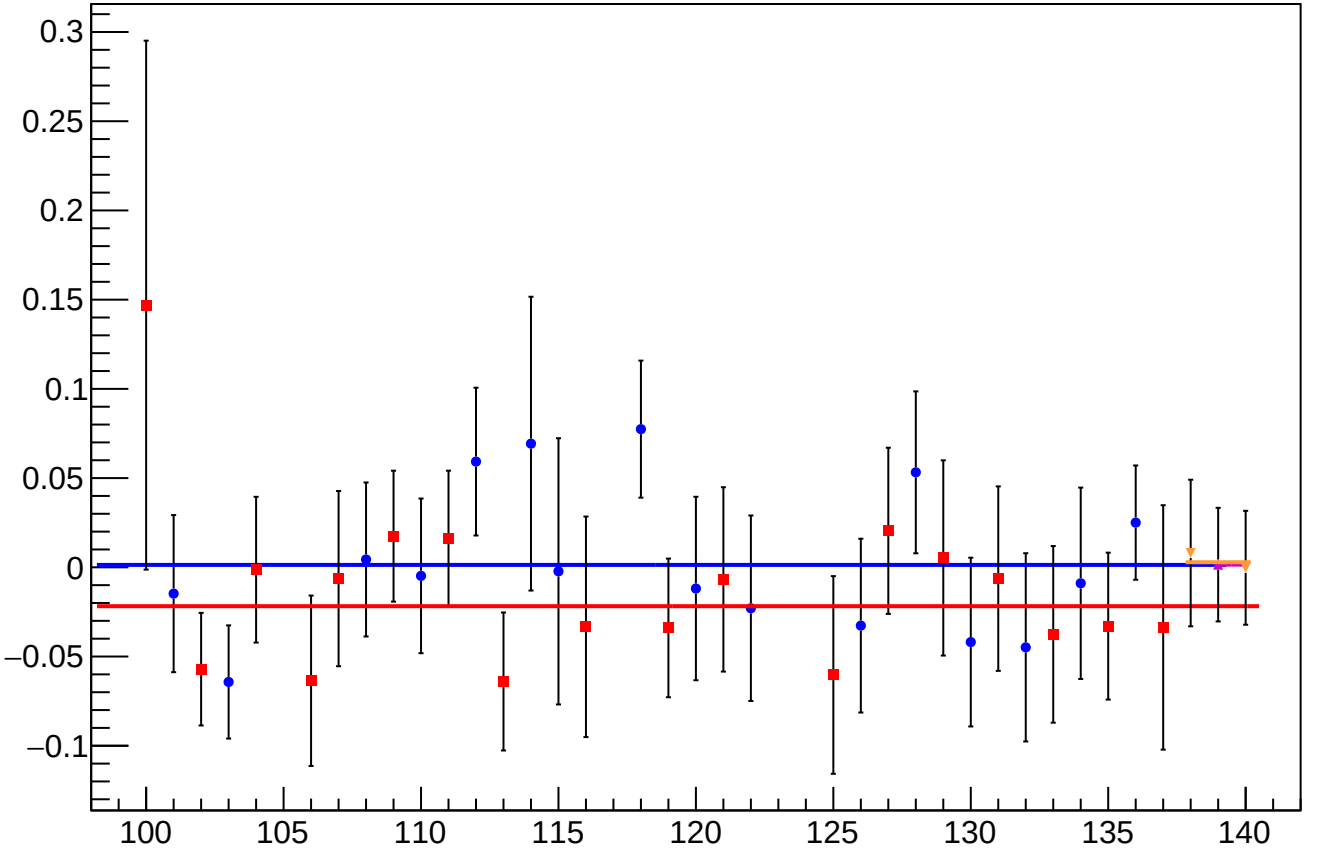
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 29.058+/-0.007 χ^2/NDF:177999.0/16

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

All: 28.774+/-0.005 χ^2/NDF: 425518.4/36

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.003+/-0.025 χ^2/NDF:0.0/1

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

Left In: 0.002+/-0.032 χ^2/NDF:0.0/0

Left: 0.002+/-0.020 χ^2/NDF: 0.0/2

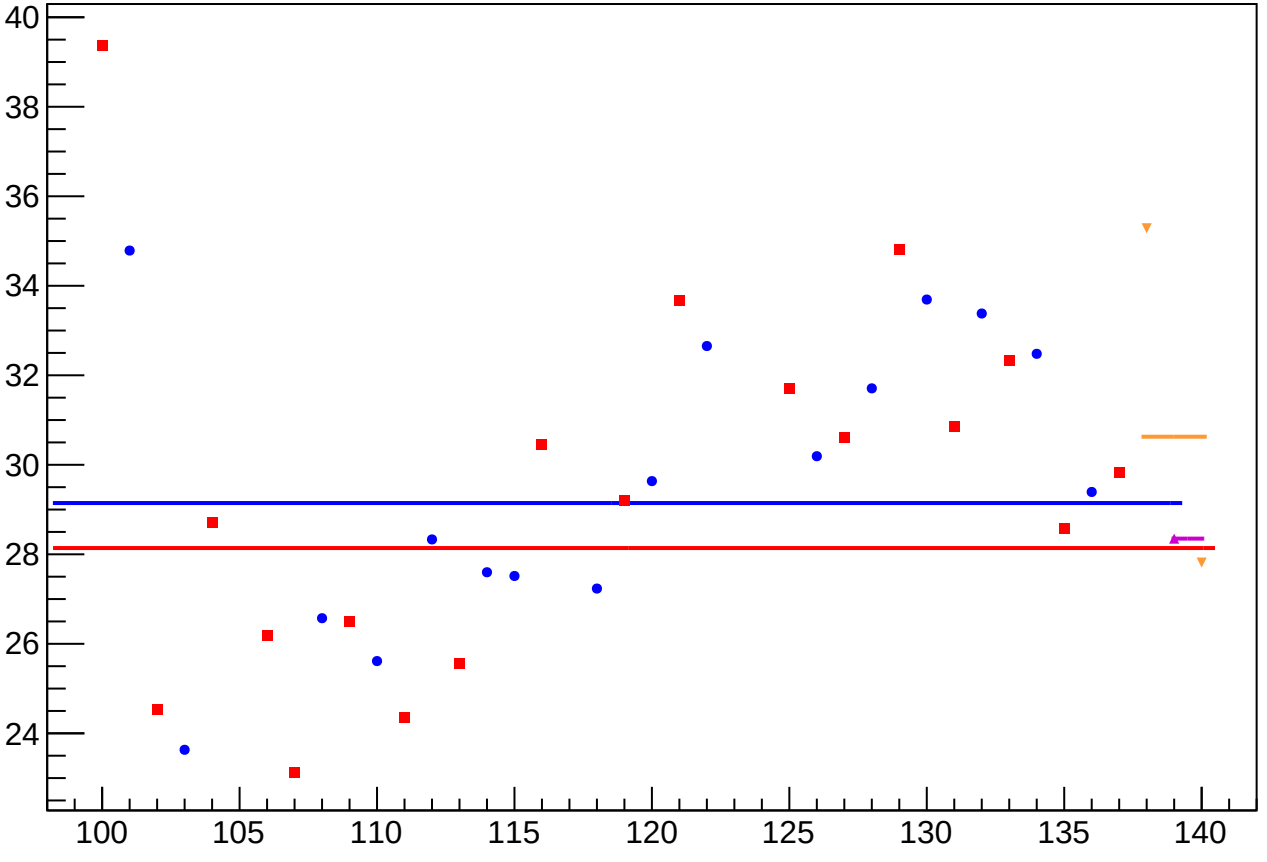
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.001+/-0.011 χ^2/NDF:15.3/16

Out: -0.018+/-0.010 χ^2/NDF:9.9/19

All: -0.009+/-0.007 χ^2/NDF: 26.9/36

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 28.351+/-0.023 χ^2/NDF:0.0/0

Left: 29.751+/-0.014 χ^2/NDF: 47527.2/2

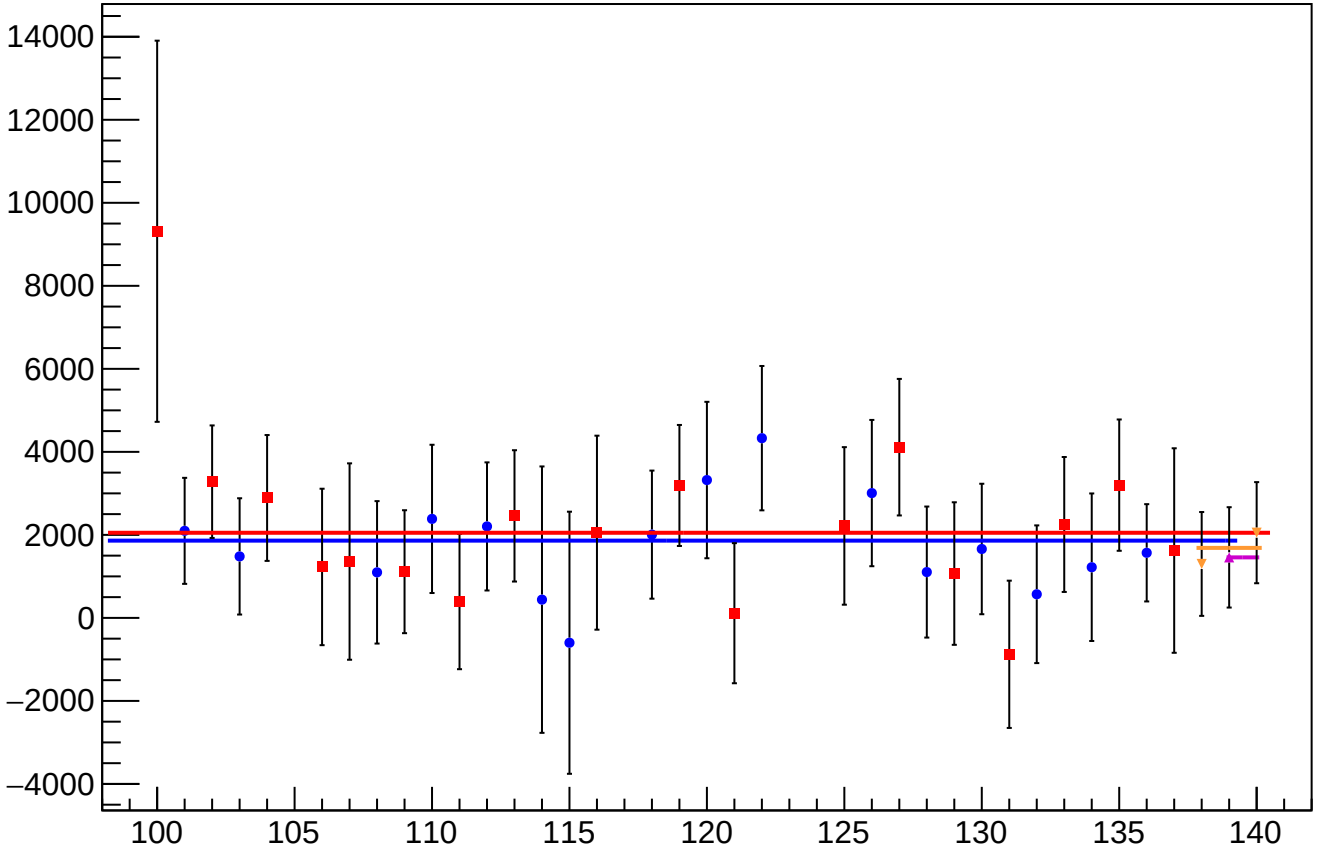
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 29.058+/-0.007 χ^2/NDF:177999.0/16

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

All: 28.774+/-0.005 χ^2/NDF: 425518.4/36

reg_asym_usl_mean vs Slug, Sign Corrected



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

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

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

Left In: 1457.993+/-1208.735 χ^2/NDF:0.0/0

Left: 1608.127+/-707.530 χ^2/NDF: 0.2/2

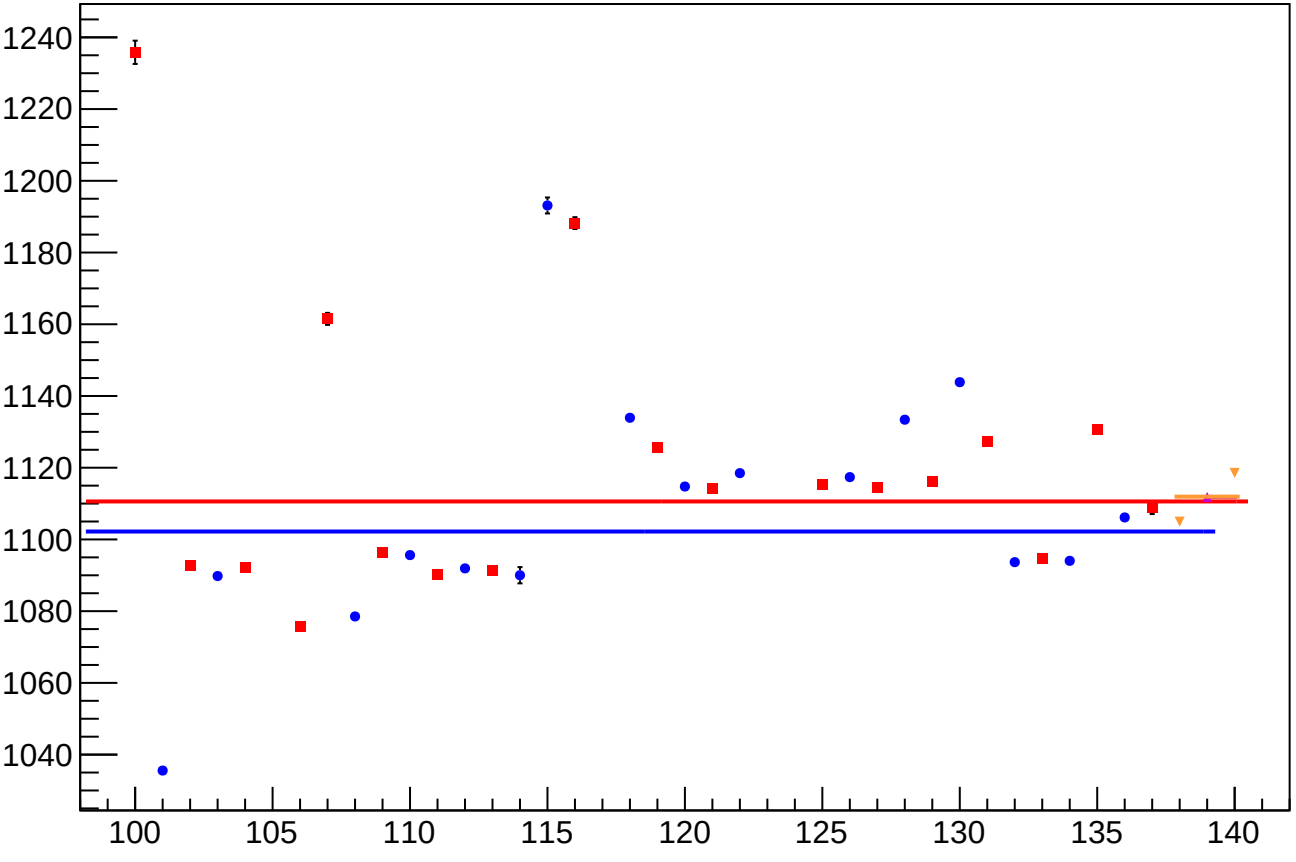
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1819.974+/-387.867 χ^2/NDF:5.4/16

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

All: 1906.329+/-267.922 χ^2/NDF: 18.4/36

reg_asym_usl_rms vs Slug, Sign Corrected



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

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

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

Left In: 1111.845+/-0.855 χ^2/NDF:0.0/0

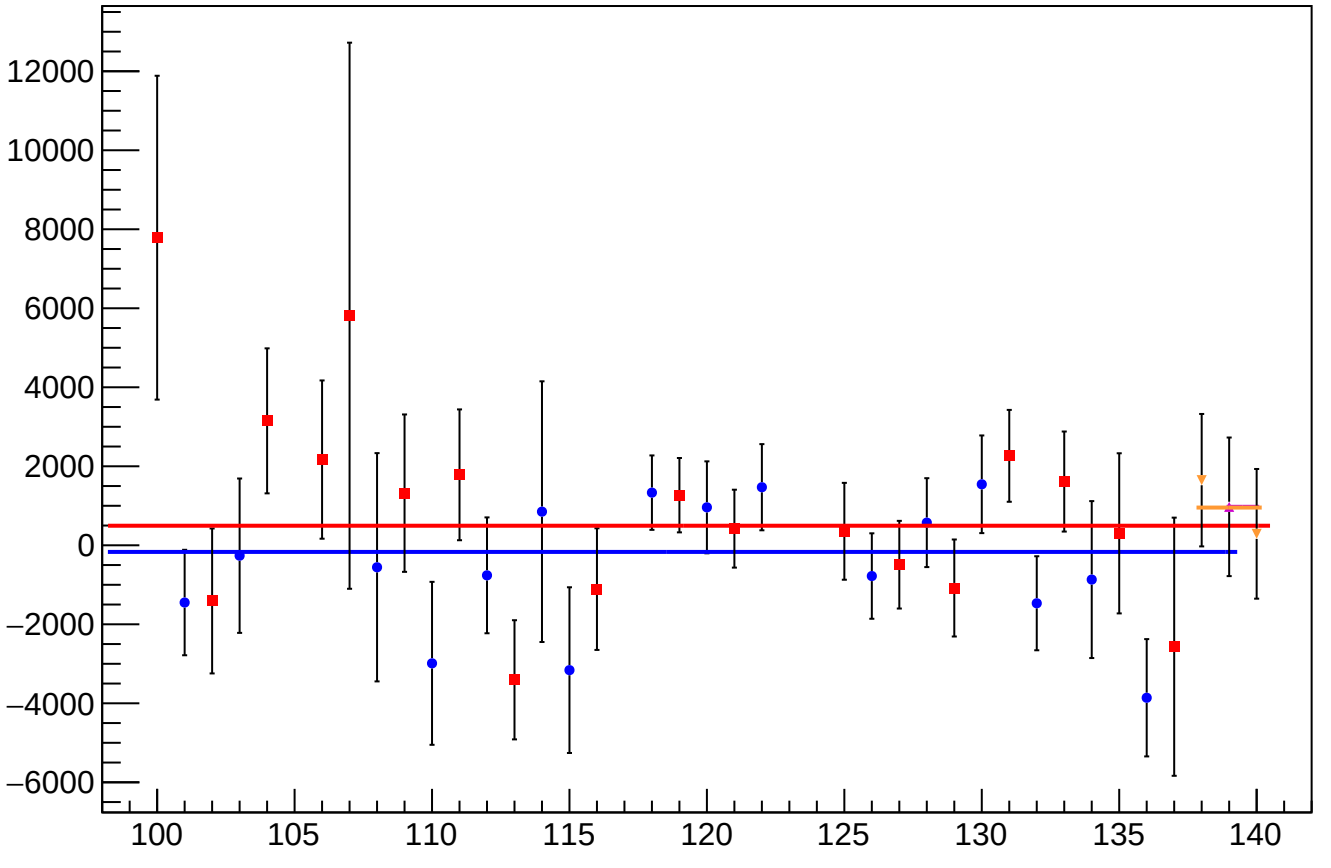
Left: 1111.899+/-0.500 χ^2/NDF: 121.2/2

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

In: 1103.198+/-0.274 χ^2/NDF:11463.0/16

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

All: 1107.190+/-0.189 χ^2/NDF: 19689.3/36



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

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

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

Left In: 973.900+/-1754.209 χ^2/NDF:0.0/0

Left: 960.827+/-975.004 χ^2/NDF: 0.3/2

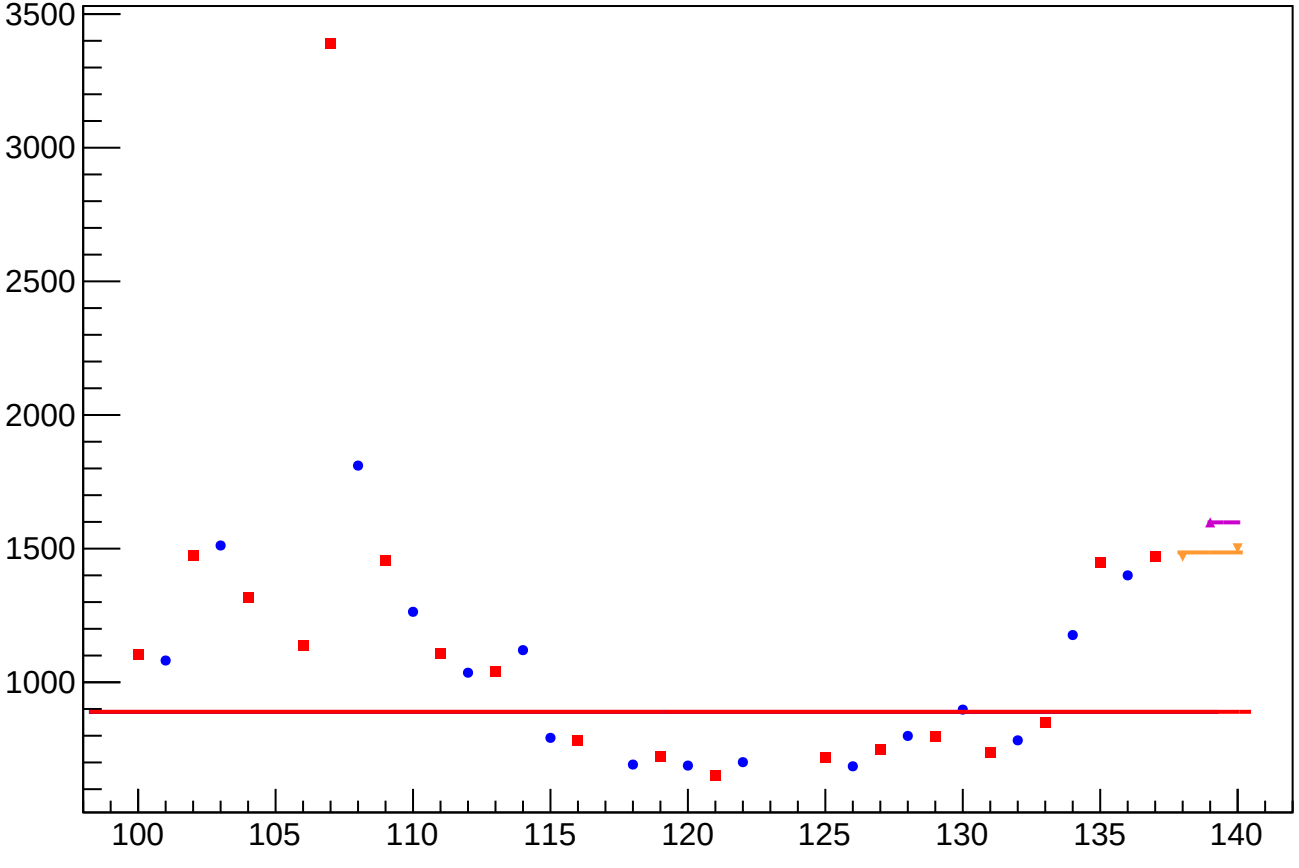
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -125.268+/-338.932 χ^2/NDF:21.4/16

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

All: 211.020+/-236.816 χ^2/NDF: 47.1/36

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

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

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

Left In: 1598.238+/-1.240 χ^2/NDF:0.0/0

Left: 1520.476+/-0.689 χ^2/NDF: 6045.8/2

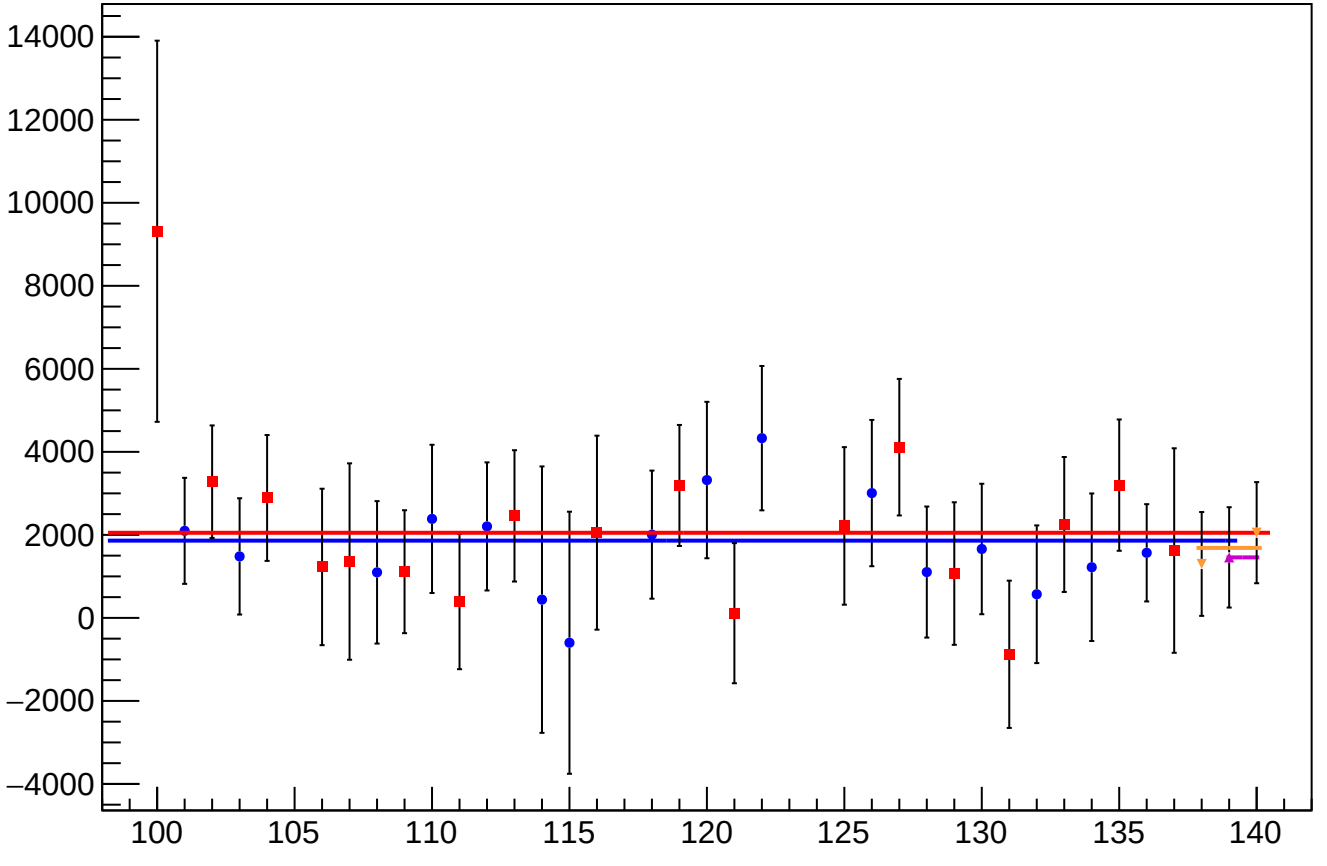
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 915.434+/-0.240 χ^2/NDF:1447528.1/16

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

All: 926.458+/-0.167 χ^2/NDF: 3273469.4/36

cor_asym_usl_mean vs Slug, Sign Corrected



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

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

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

Left In: 1457.993+/-1208.735 χ^2/NDF:0.0/0

Left: 1608.127+/-707.530 χ^2/NDF: 0.2/2

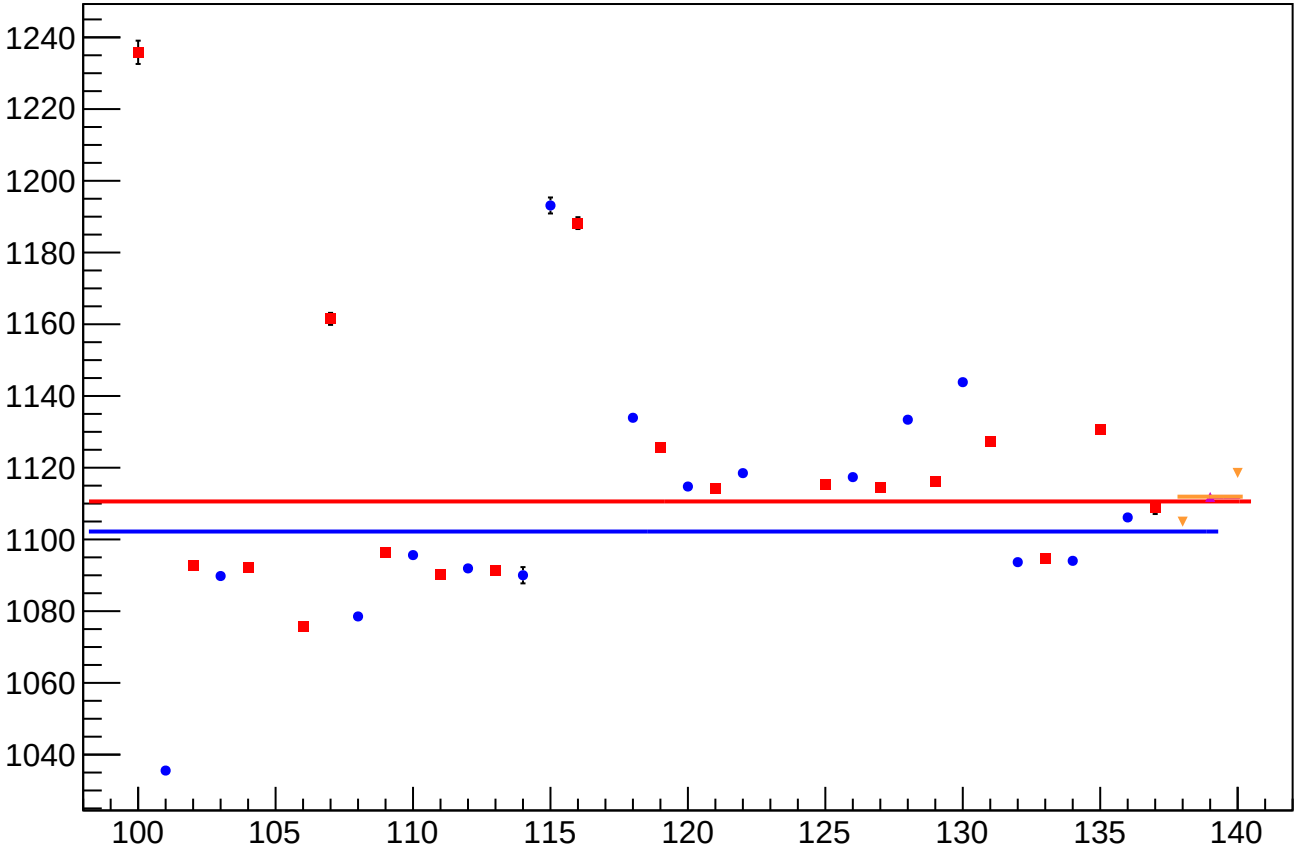
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1819.974+/-387.867 χ^2/NDF:5.4/16

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

All: 1906.329+/-267.922 χ^2/NDF: 18.4/36

cor_asym_usl_rms vs Slug, Sign Corrected



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

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

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

Left In: 1111.845+/-0.855 χ^2/NDF:0.0/0

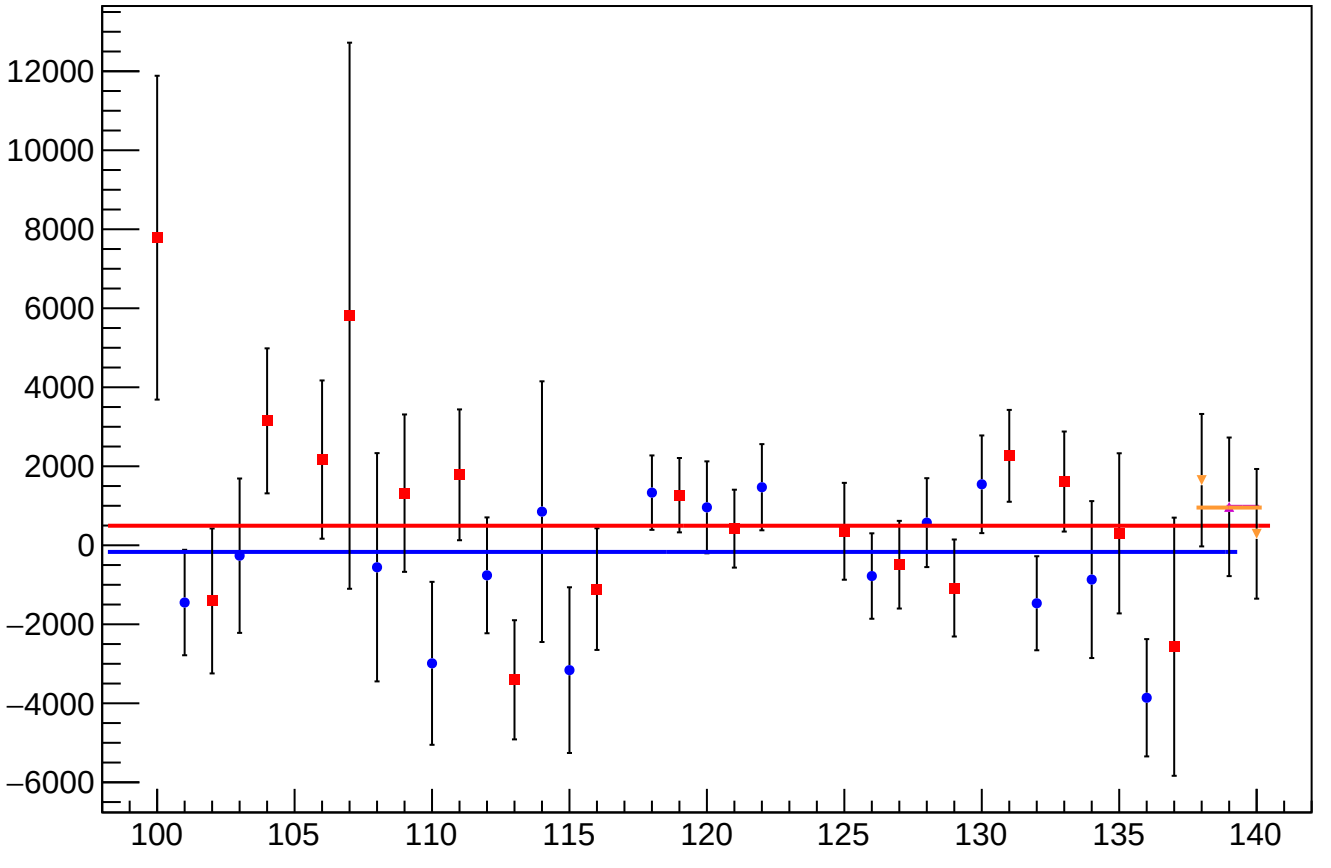
Left: 1111.899+/-0.500 χ^2/NDF: 121.2/2

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

In: 1103.198+/-0.274 χ^2/NDF:11463.0/16

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

All: 1107.190+/-0.189 χ^2/NDF: 19689.3/36



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

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

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

Left In: 973.900+/-1754.209 χ^2/NDF:0.0/0

Left: 960.827+/-975.004 χ^2/NDF: 0.3/2

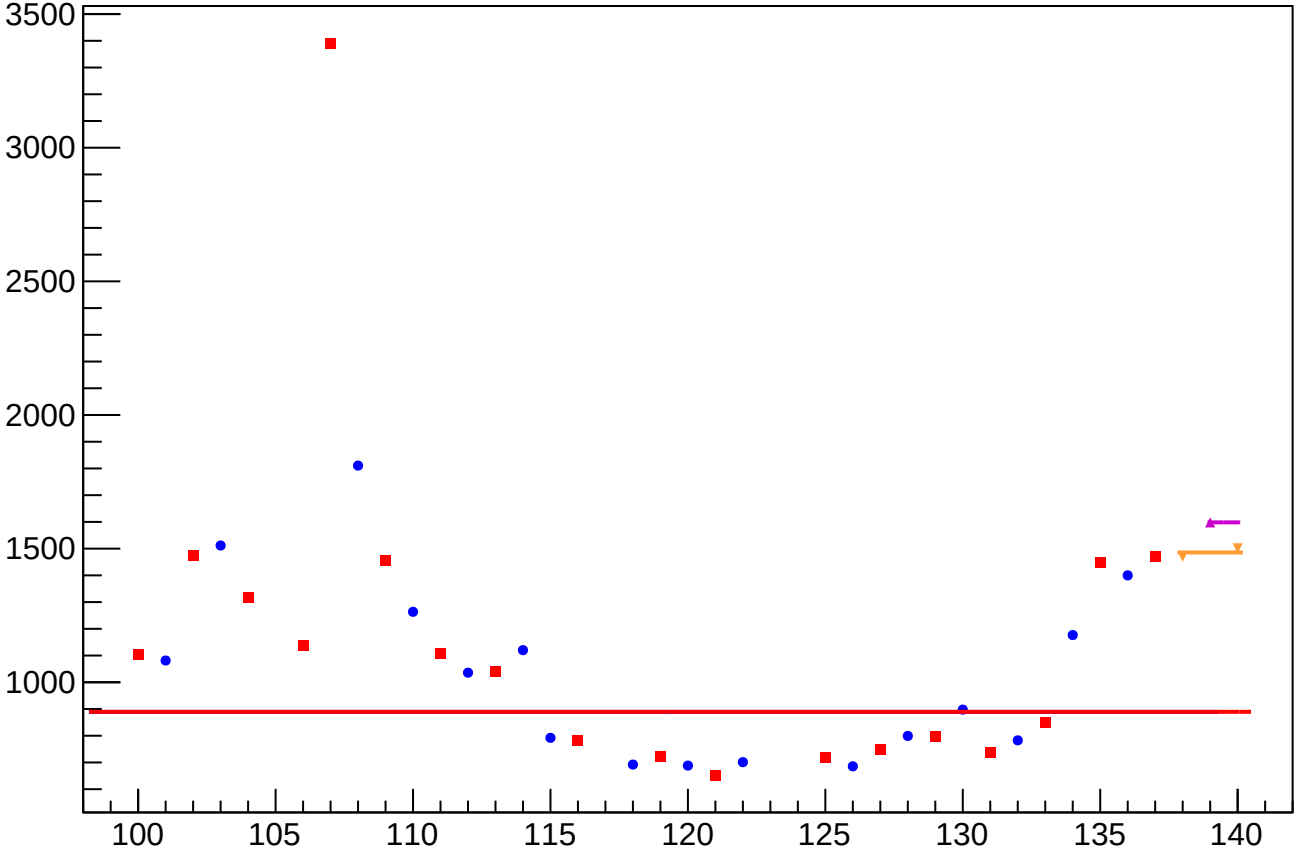
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -125.268+/-338.932 χ^2/NDF:21.4/16

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

All: 211.020+/-236.816 χ^2/NDF: 47.1/36

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

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

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

Left In: 1598.238+/-1.240 χ^2/NDF:0.0/0

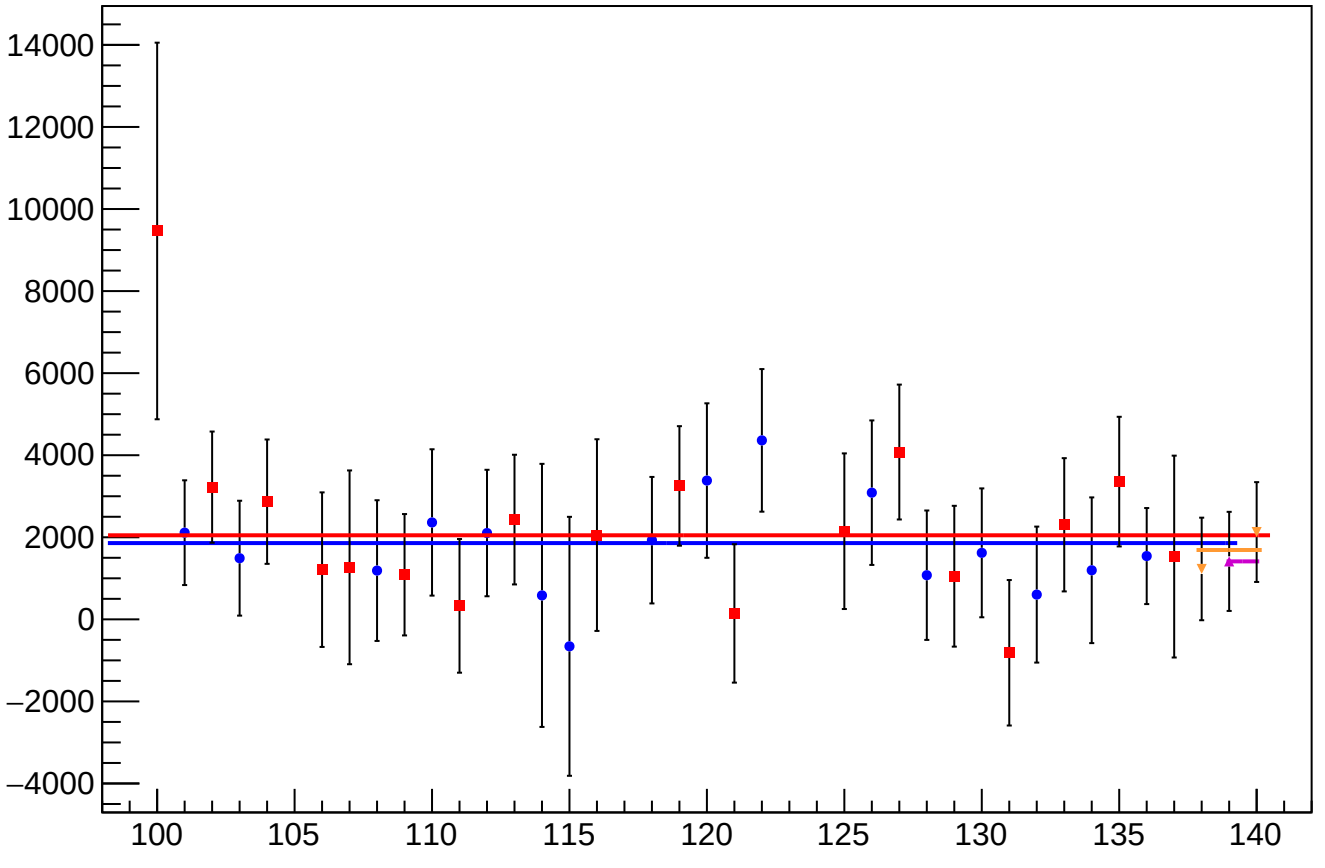
Left: 1520.476+/-0.689 χ^2/NDF: 6045.8/2

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

In: 915.434+/-0.240 χ^2/NDF:1447528.1/16

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

All: 926.458+/-0.167 χ^2/NDF: 3273469.4/36



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

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

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

Left In: 1412.605+/-1207.450 χ^2/NDF:0.0/0

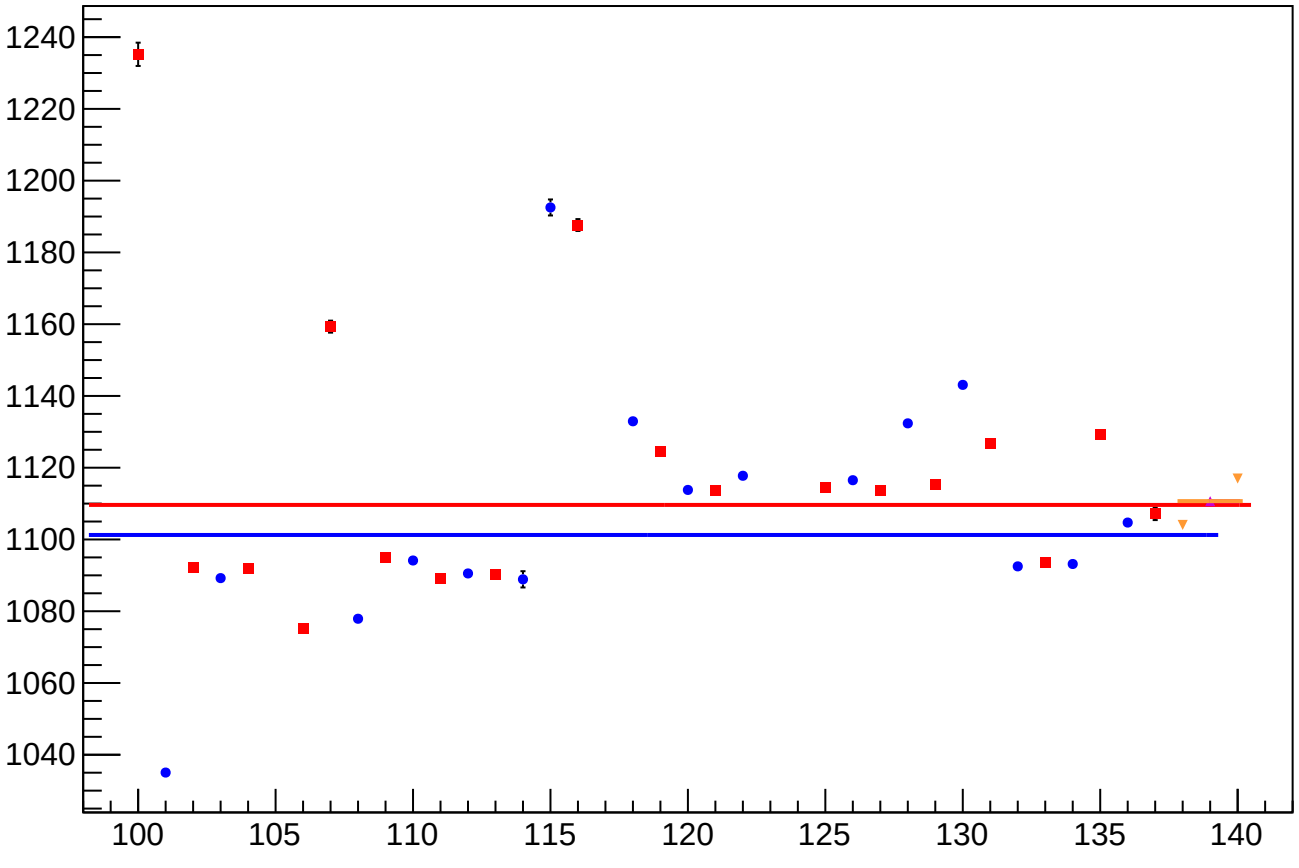
Left: 1595.029+/-706.753 χ^2/NDF: 0.3/2

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

In: 1812.734+/-387.524 χ^2/NDF:5.6/16

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

All: 1902.285+/-267.681 χ^2/NDF: 18.8/36



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

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

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

Left In: 1110.666+/-0.854 χ^2/NDF:0.0/0

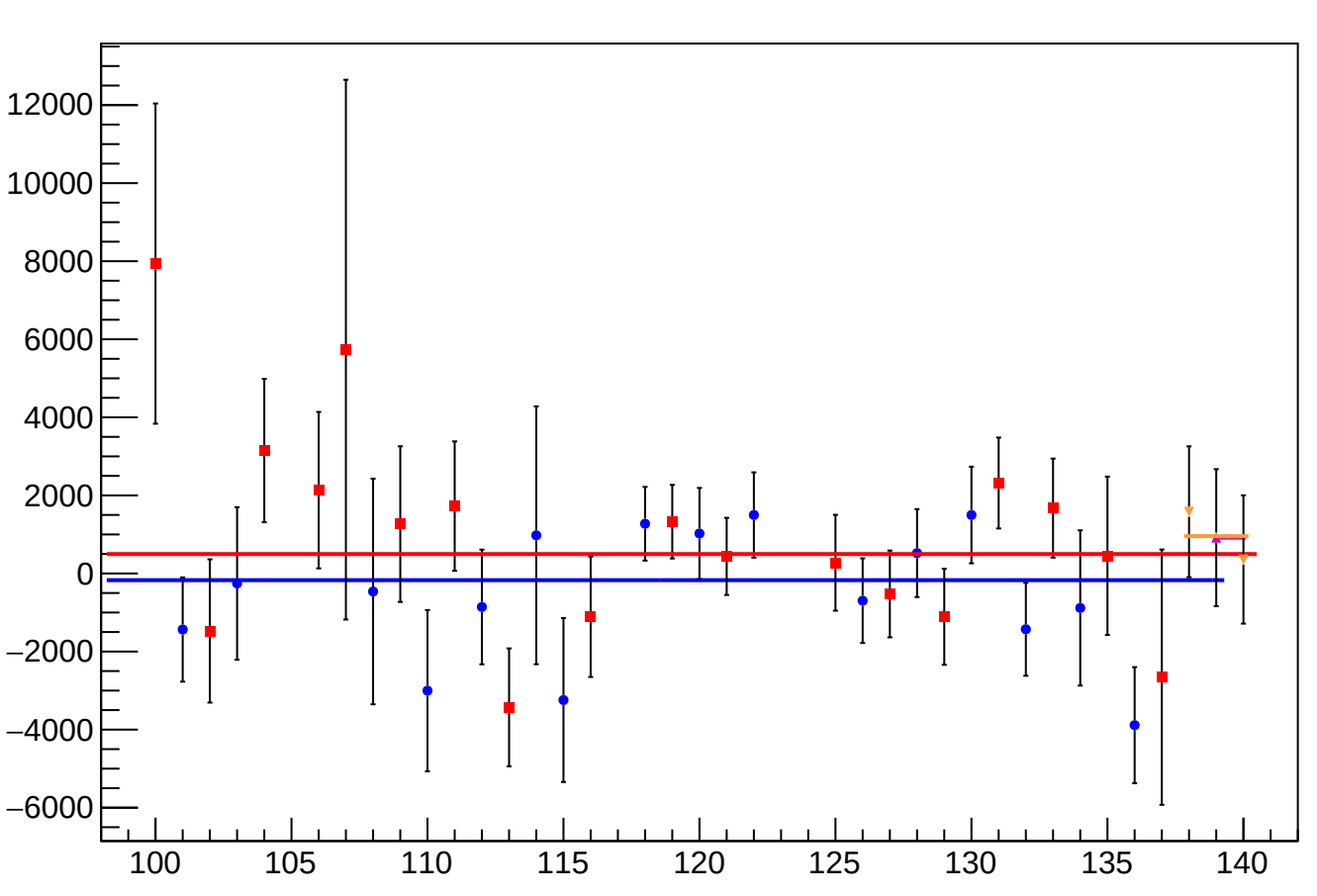
Left: 1110.681+/-0.500 χ^2/NDF: 109.9/2

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

In: 1102.224+/-0.274 χ^2/NDF:11417.3/16

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

All: 1106.196+/-0.189 χ^2/NDF: 19604.4/36



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

Left Out: 956.987+/-1173.607 χ^2/NDF:0.3/1

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

Left In: 917.921+/-1755.011 χ^2/NDF:0.0/0

Left: 944.915+/-975.576 χ^2/NDF: 0.3/2

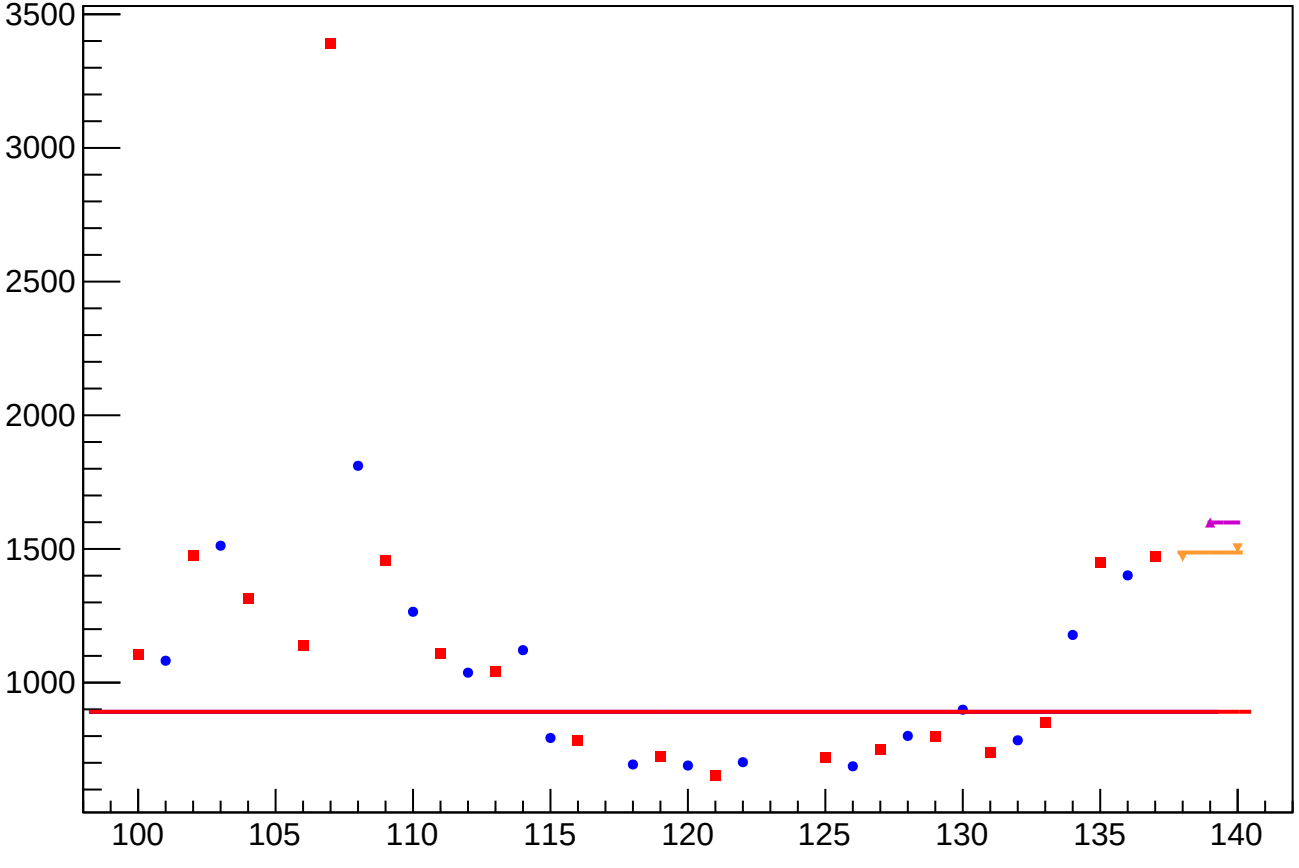
Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: -130.196+/-339.447 χ^2/NDF:21.3/16

Out: 534.579+/-331.494 χ^2/NDF:24.3/19

All: 210.071+/-237.163 χ^2/NDF: 47.6/36

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

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

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

Left In: 1598.966+/-1.241 χ^2/NDF:0.0/0

Left: 1521.386+/-0.690 χ^2/NDF: 6022.7/2

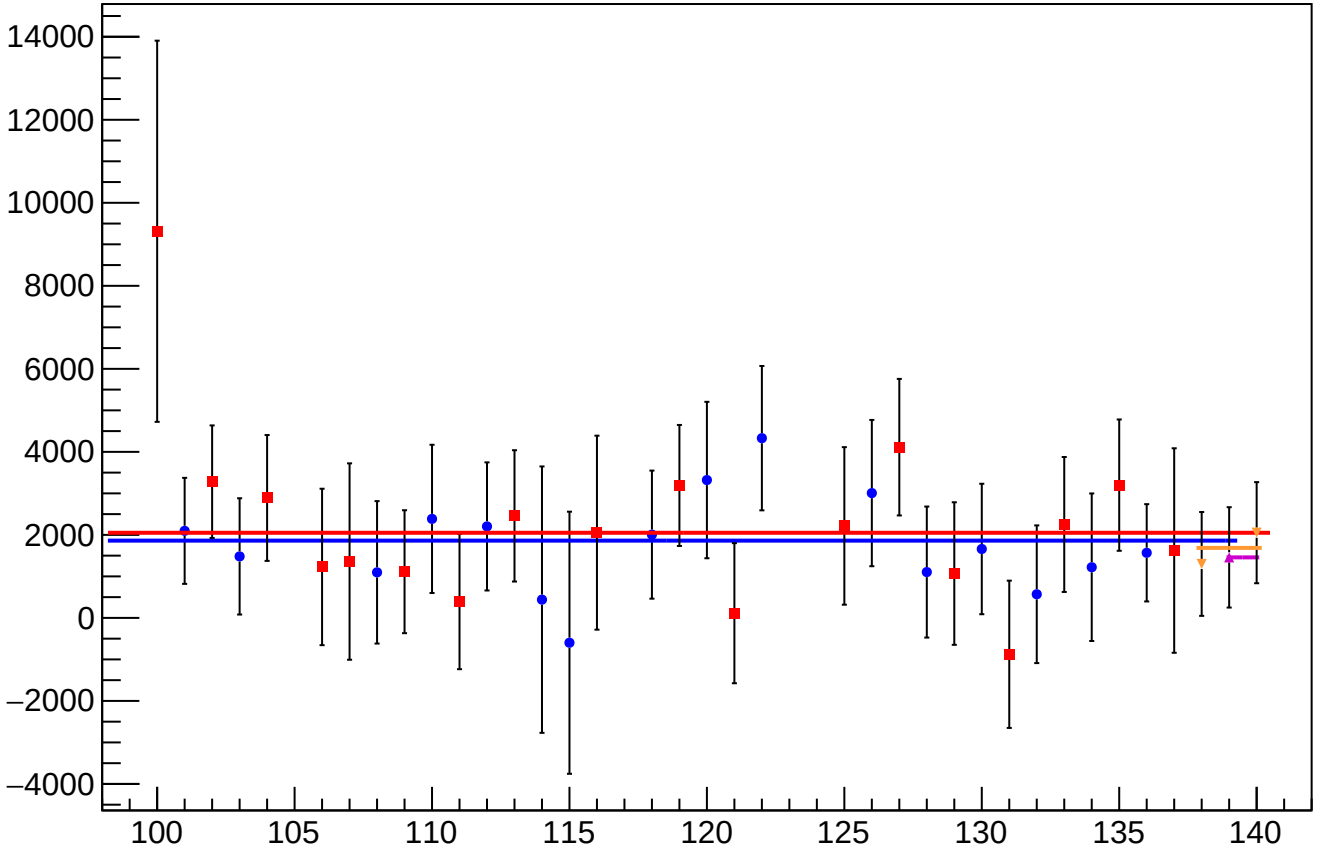
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 916.998+/-0.240 χ^2/NDF:1442469.6/16

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

All: 927.988+/-0.168 χ^2/NDF: 3262990.0/36

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

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

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

Left In: 1457.993+/-1208.735 χ^2/NDF:0.0/0

Left: 1608.127+/-707.530 χ^2/NDF: 0.2/2

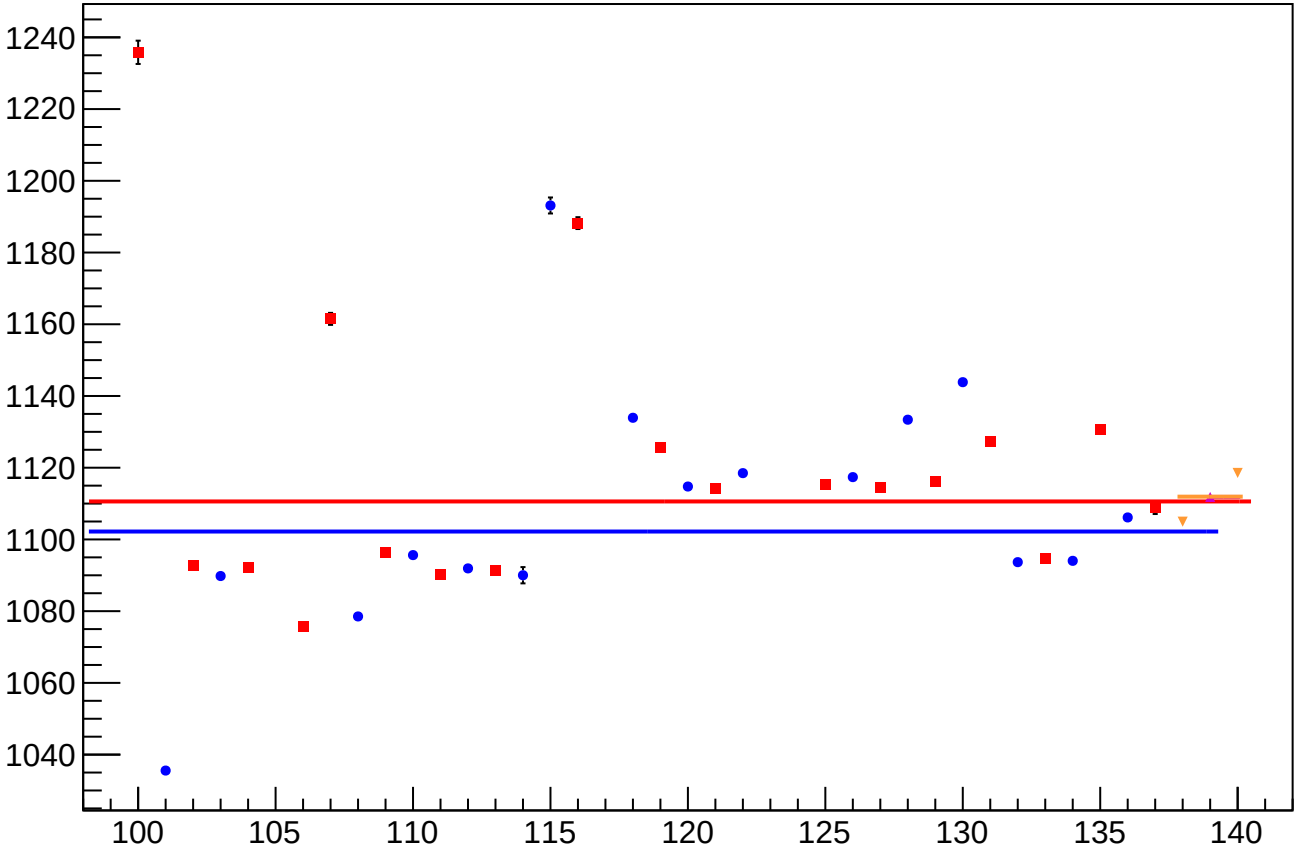
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1819.974+/-387.867 χ^2/NDF:5.4/16

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

All: 1906.329+/-267.922 χ^2/NDF: 18.4/36

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

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

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

Left In: 1111.845+/-0.855 χ^2/NDF:0.0/0

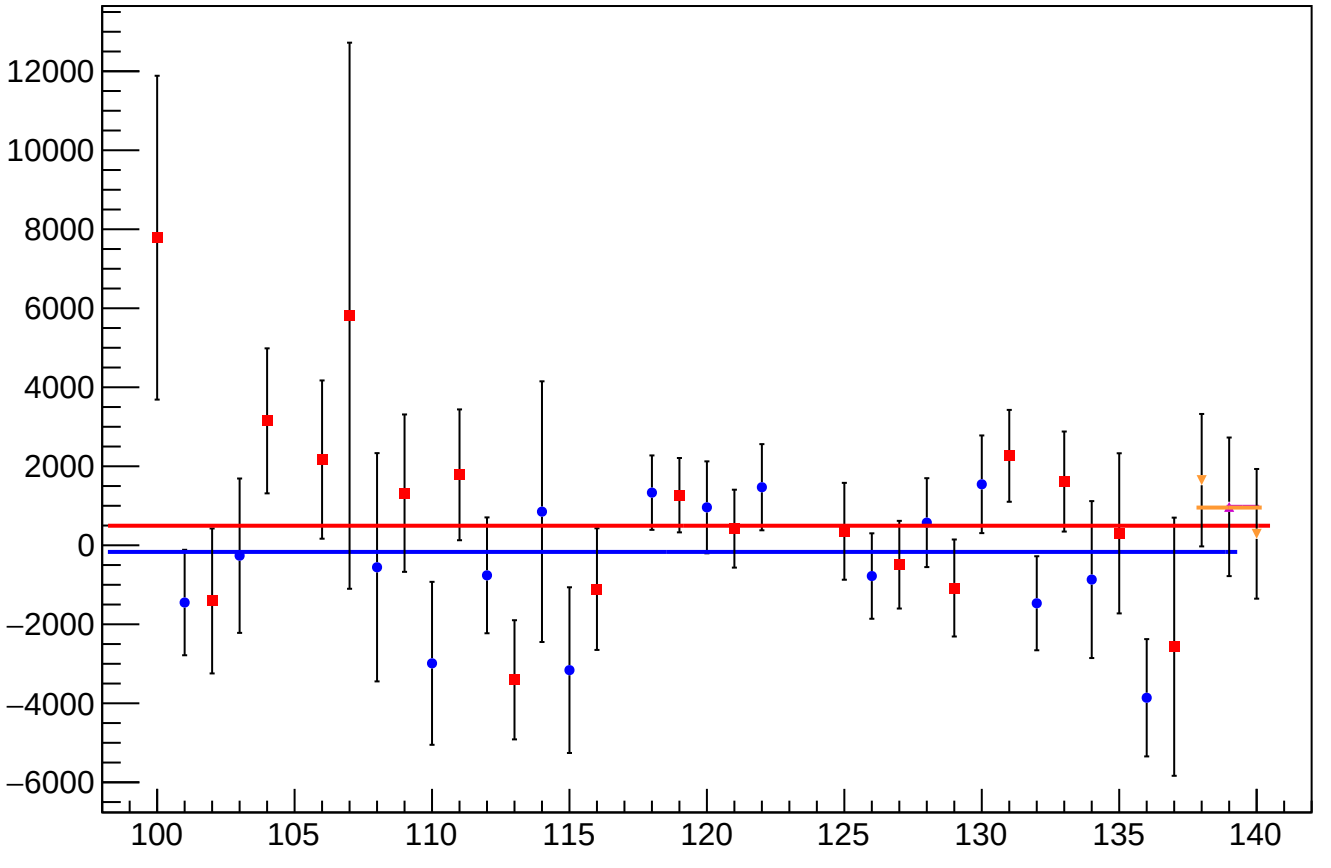
Left: 1111.899+/-0.500 χ^2/NDF: 121.2/2

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

In: 1103.198+/-0.274 χ^2/NDF:11463.0/16

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

All: 1107.190+/-0.189 χ^2/NDF: 19689.3/36



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

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

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

Left In: 973.900+/-1754.209 χ^2/NDF:0.0/0

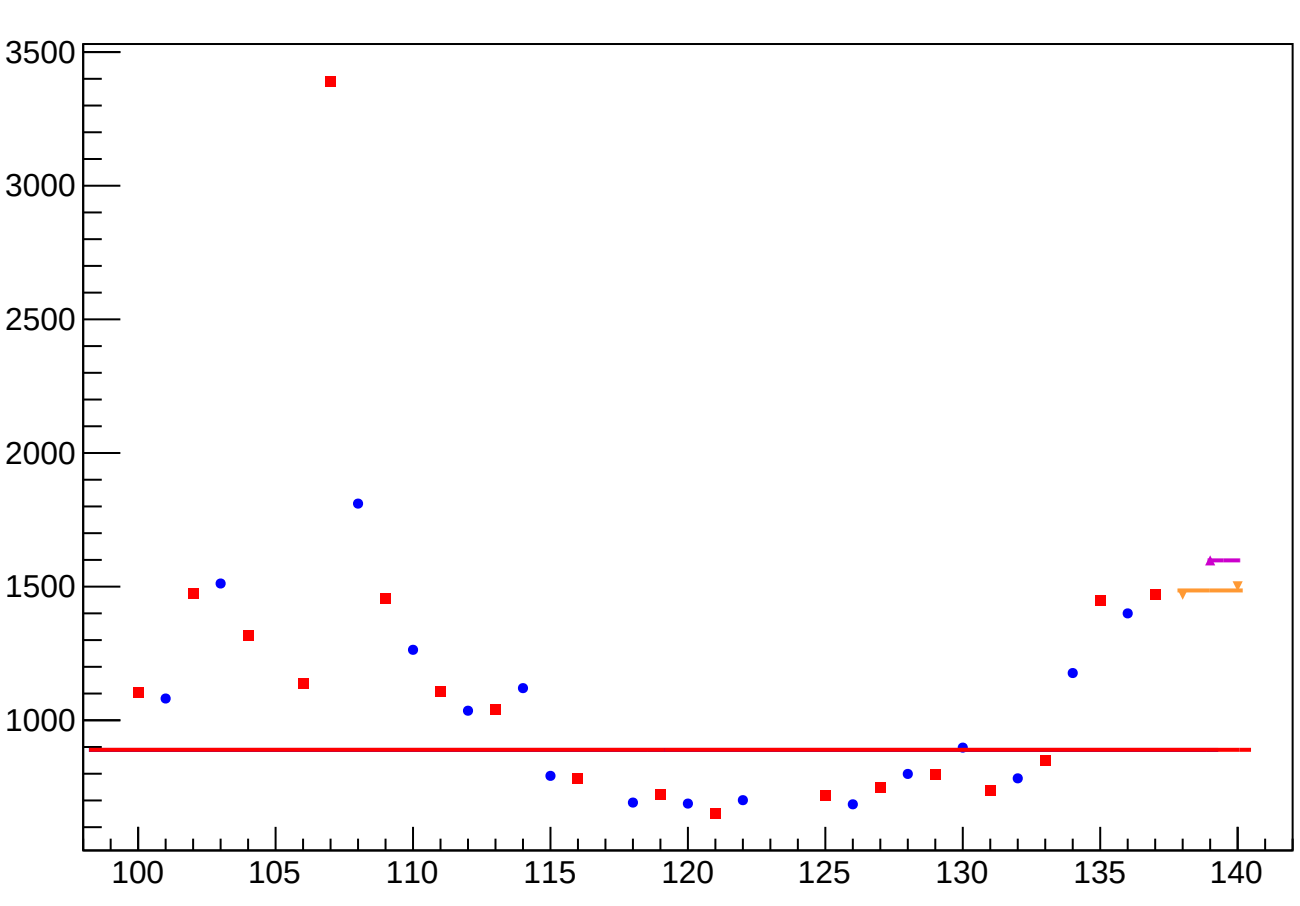
Left: 960.827+/-975.004 χ^2/NDF: 0.3/2

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

In: -125.268+/-338.932 χ^2/NDF:21.4/16

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

All: 211.020+/-236.816 χ^2/NDF: 47.1/36



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

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

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

Left In: 1598.238+/-1.240 χ^2/NDF:0.0/0

Left: 1520.476+/-0.689 χ^2/NDF: 6045.8/2

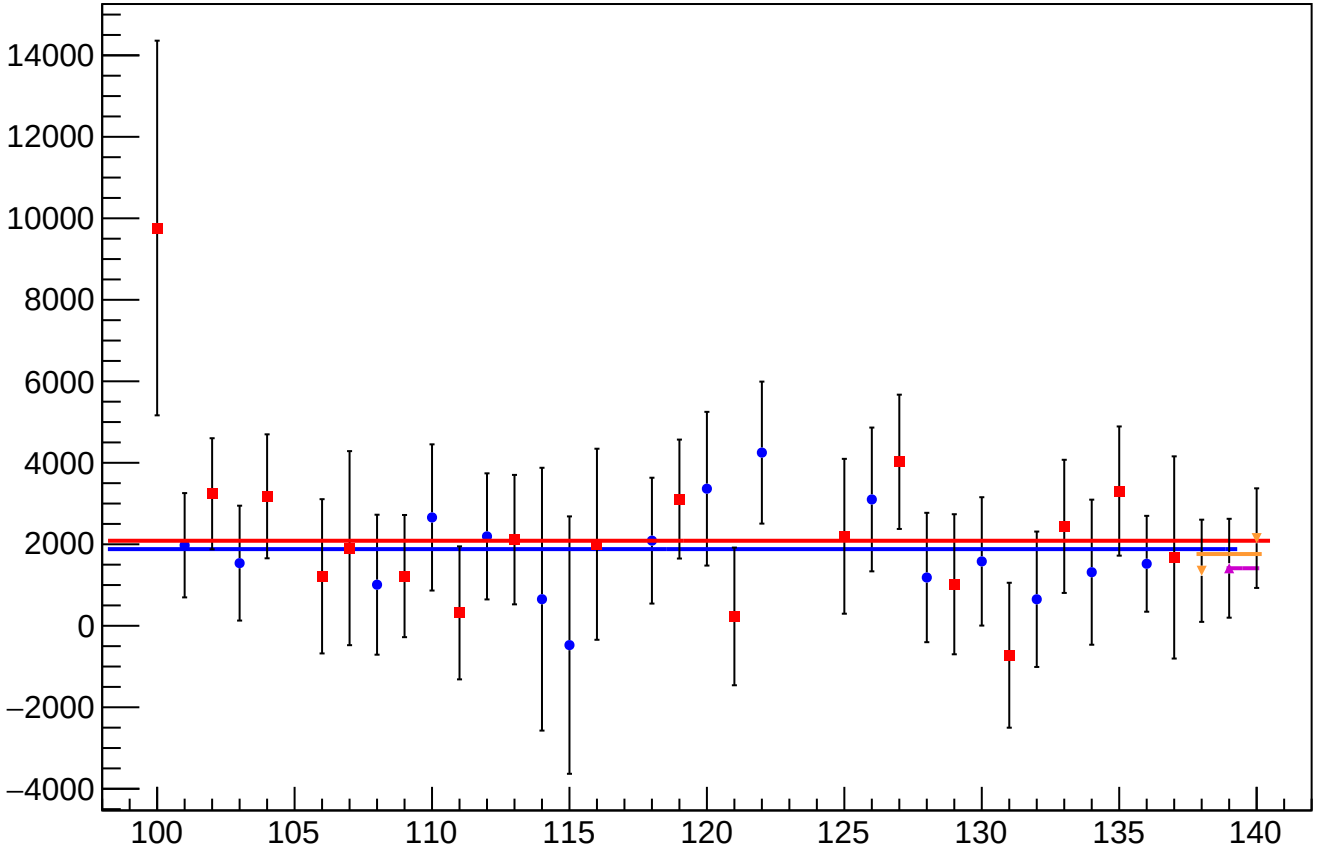
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 915.434+/-0.240 χ^2/NDF:1447528.1/16

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

All: 926.458+/-0.167 χ^2/NDF: 3273469.4/36

dit_asym_usl_mean vs Slug, Sign Corrected



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

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

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

Left In: 1412.221+/-1213.383 χ^2/NDF:0.0/0

Left: 1641.593+/-709.818 χ^2/NDF: 0.3/2

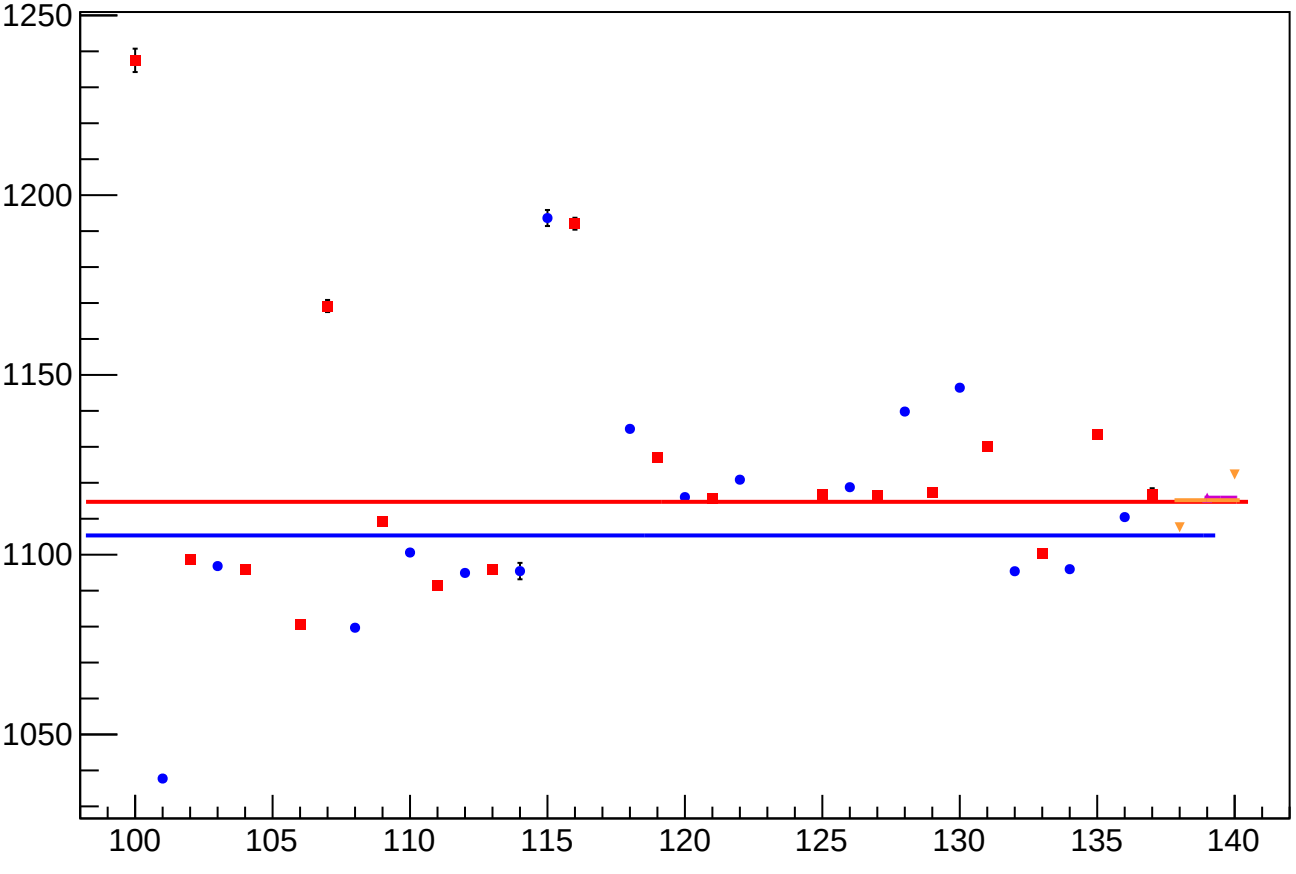
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1833.285+/-389.020 χ^2/NDF:5.3/16

Out: 2028.040+/-371.861 χ^2/NDF:12.7/19

All: 1935.052+/-268.807 χ^2/NDF: 18.2/36

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1115.153+/-0.619 χ^2/NDF:140.9/1

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

Left In: 1115.860+/-0.858 χ^2/NDF:0.0/0

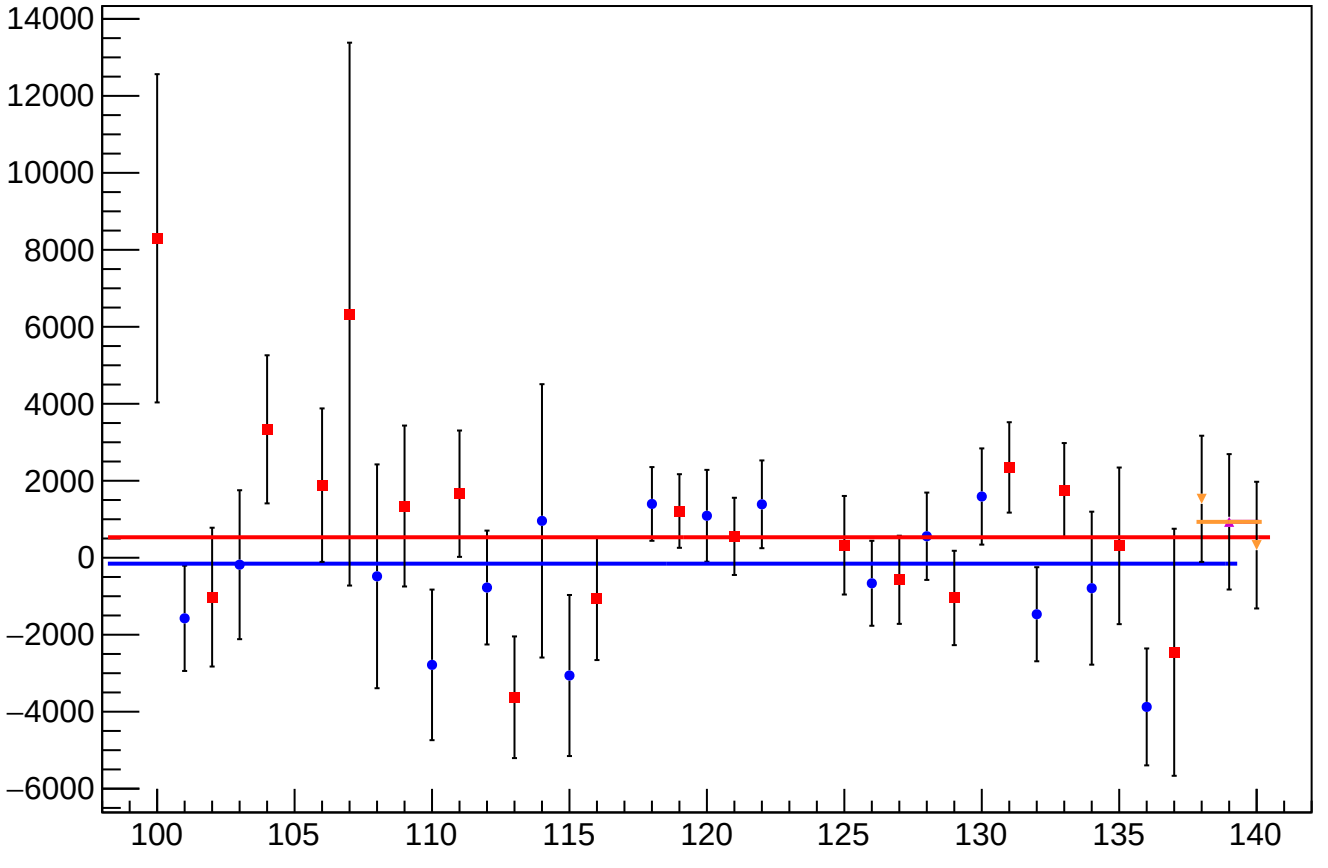
Left: 1115.395+/-0.502 χ^2/NDF: 141.4/2

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

In: 1106.435+/-0.275 χ^2/NDF:11465.4/16

Out: 1114.786+/-0.263 χ^2/NDF:7471.6/19

All: 1110.799+/-0.190 χ^2/NDF: 19418.6/36



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

Left Out: 932.089+/-1161.310 χ^2/NDF:0.3/1

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

Left In: 933.282+/-1758.923 χ^2/NDF:0.0/0

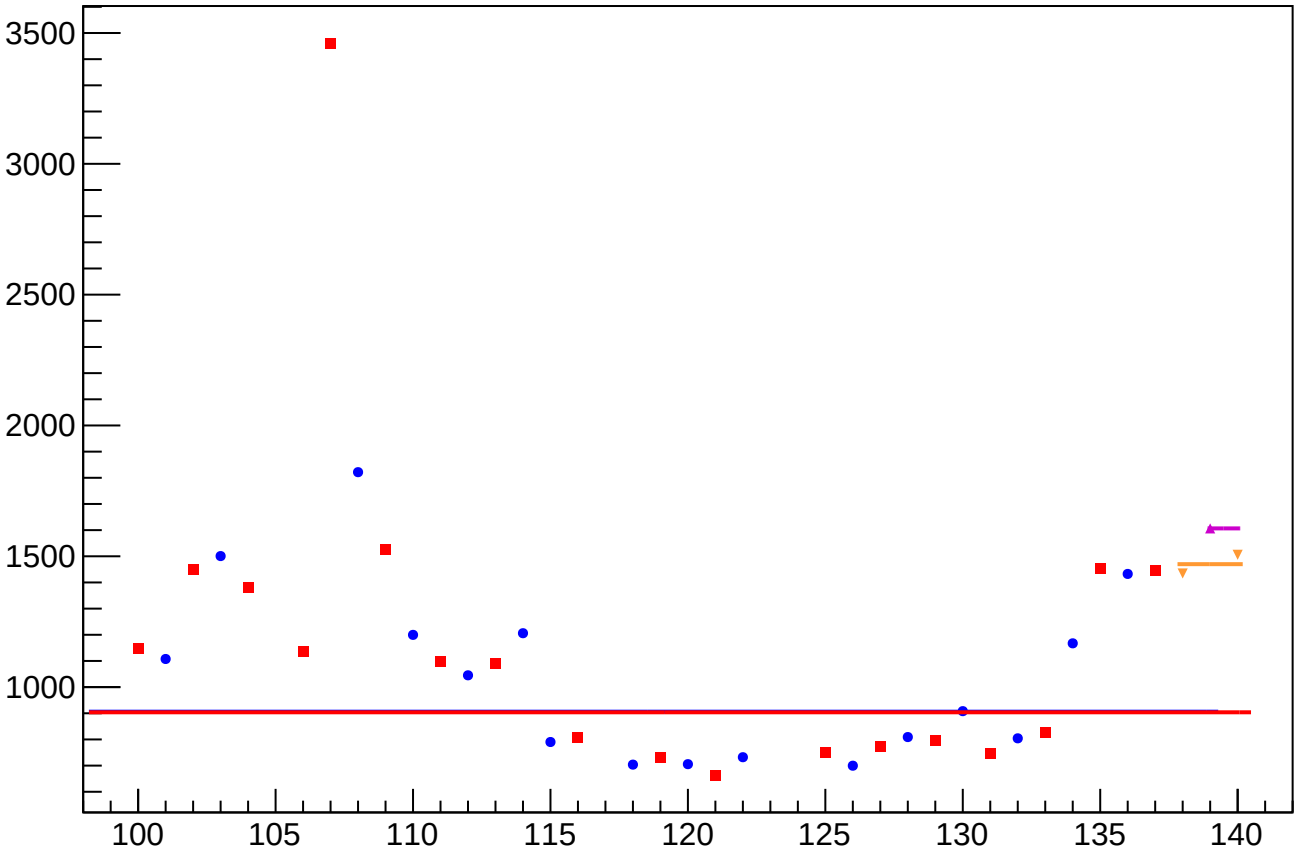
Left: 932.451+/-969.133 χ^2/NDF: 0.3/2

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

In: -112.287+/-344.513 χ^2/NDF:20.8/16

Out: 565.528+/-335.468 χ^2/NDF:23.6/19

All: 235.634+/-240.346 χ^2/NDF: 46.4/36



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

Left Out: 1469.908+/-0.821 χ^2/NDF:1893.1/1

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

Left In: 1606.603+/-1.244 χ^2/NDF:0.0/0

Left: 1511.406+/-0.685 χ^2/NDF: 10305.3/2

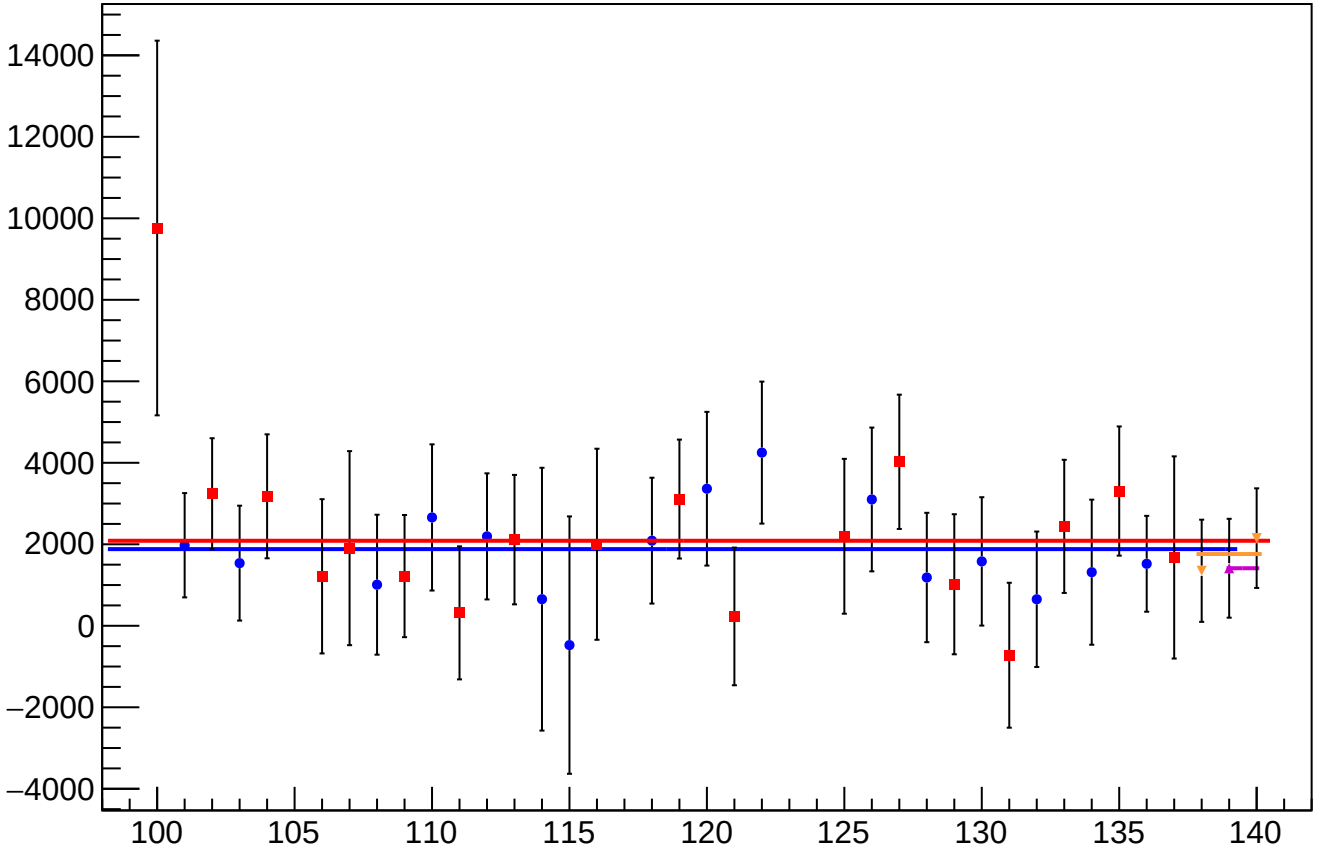
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 932.912+/-0.244 χ^2/NDF:1384538.5/16

Out: 950.997+/-0.237 χ^2/NDF:1777550.4/19

All: 942.195+/-0.170 χ^2/NDF: 3164917.9/36

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1760.929+/-875.195 χ^2/NDF:0.2/1

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

Left In: 1412.229+/-1213.383 χ^2/NDF:0.0/0

Left: 1641.599+/-709.818 χ^2/NDF: 0.3/2

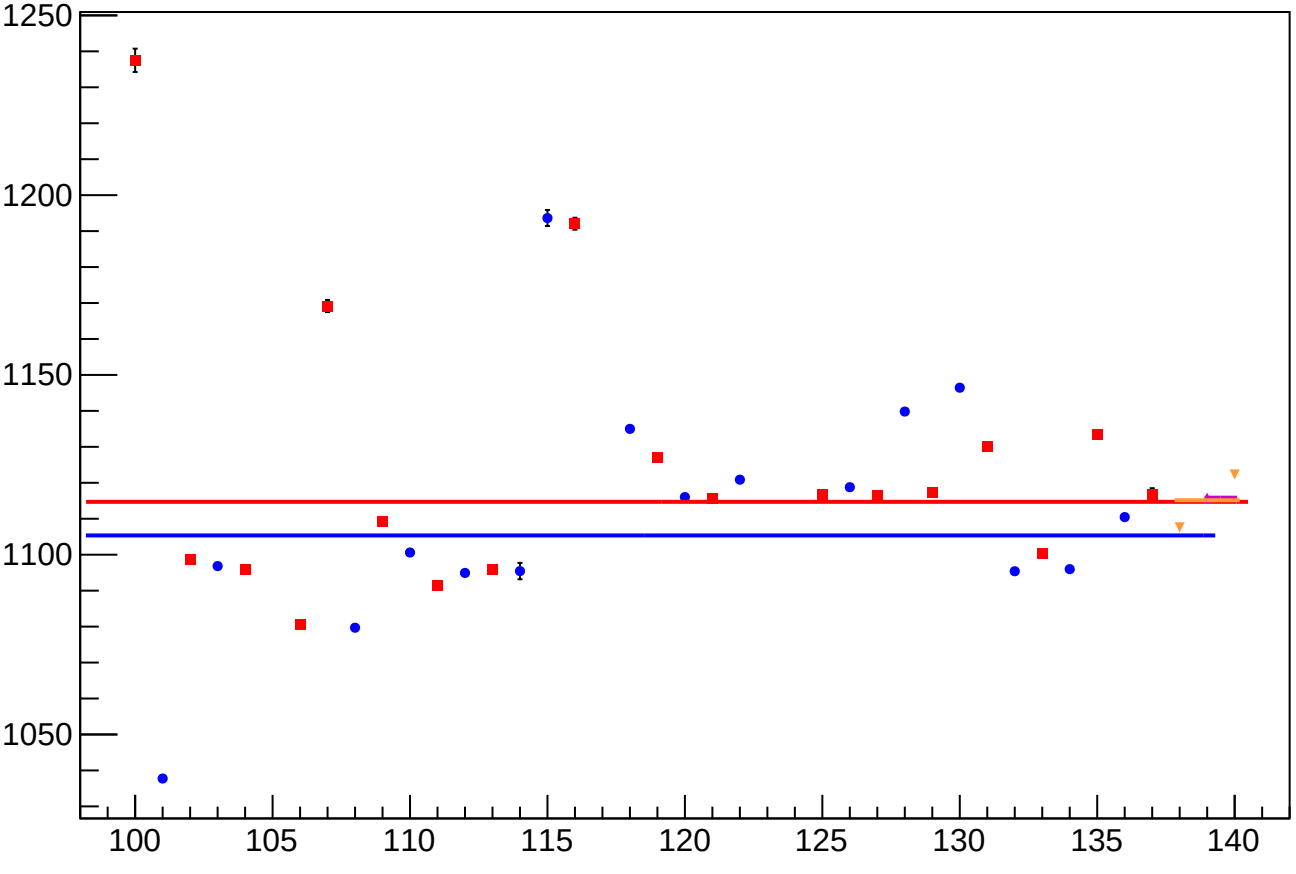
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1833.285+/-389.020 χ^2/NDF:5.3/16

Out: 2028.039+/-371.861 χ^2/NDF:12.7/19

All: 1935.052+/-268.807 χ^2/NDF: 18.2/36

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1115.153+/-0.619 χ^2/NDF:140.9/1

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

Left In: 1115.860+/-0.858 χ^2/NDF:0.0/0

Left: 1115.395+/-0.502 χ^2/NDF: 141.4/2

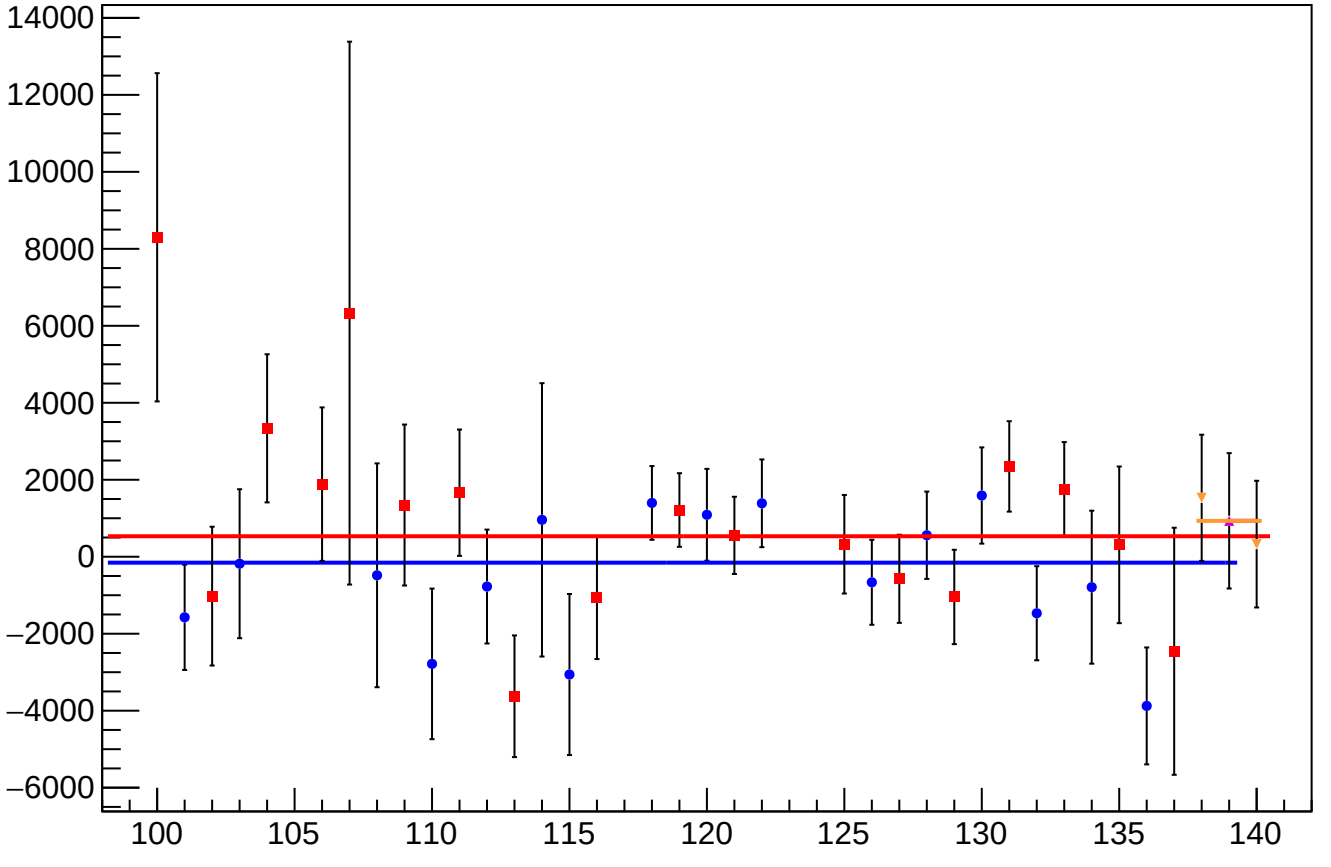
Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1106.435+/-0.275 χ^2/NDF:11465.4/16

Out: 1114.786+/-0.263 χ^2/NDF:7471.6/19

All: 1110.799+/-0.190 χ^2/NDF: 19418.6/36

asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: 932.094+/-1161.311 χ^2/NDF:0.3/1

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

Left In: 933.291+/-1758.926 χ^2/NDF:0.0/0

Left: 932.457+/-969.135 χ^2/NDF: 0.3/2

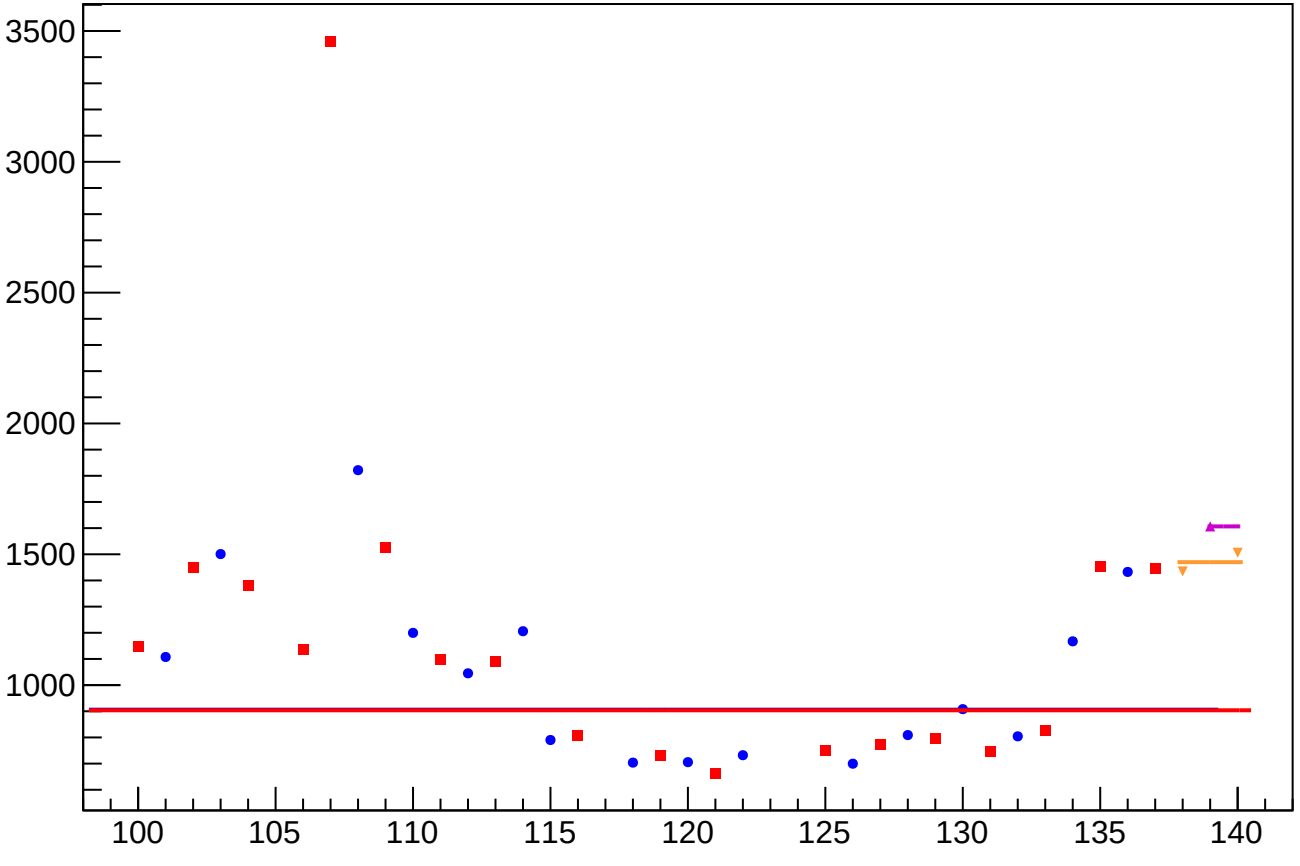
Right: 189.969+/-248.096 χ^2/NDF: 45.6/33

In: -112.286+/-344.512 χ^2/NDF:20.8/16

Out: 565.528+/-335.468 χ^2/NDF:23.6/19

All: 235.635+/-240.345 χ^2/NDF: 46.4/36

asym_usl_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1469.910+/-0.821 χ^2/NDF:1893.0/1

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1606.606+/-1.244 χ^2/NDF:0.0/0

Left: 1511.408+/-0.685 χ^2/NDF: 10305.3/2

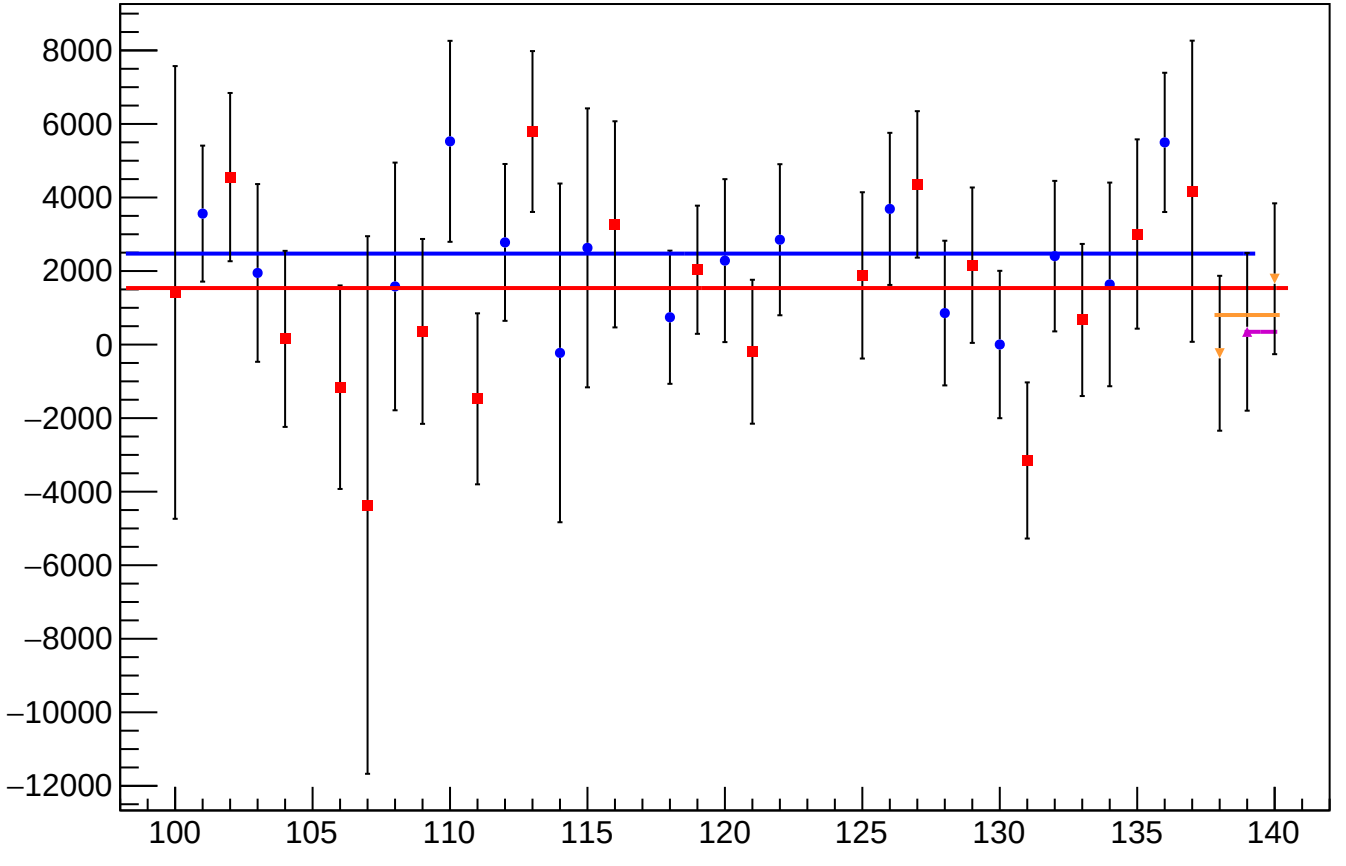
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 932.910+/-0.244 χ^2/NDF:1384546.6/16

Out: 950.995+/-0.237 χ^2/NDF:1777559.0/19

All: 942.193+/-0.170 χ^2/NDF: 3164934.5/36

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 804.056+/-1469.442 χ^2/NDF:0.5/1

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 347.127+/-2144.678 χ^2/NDF:0.0/0

Left: 658.081+/-1212.206 χ^2/NDF: 0.5/2

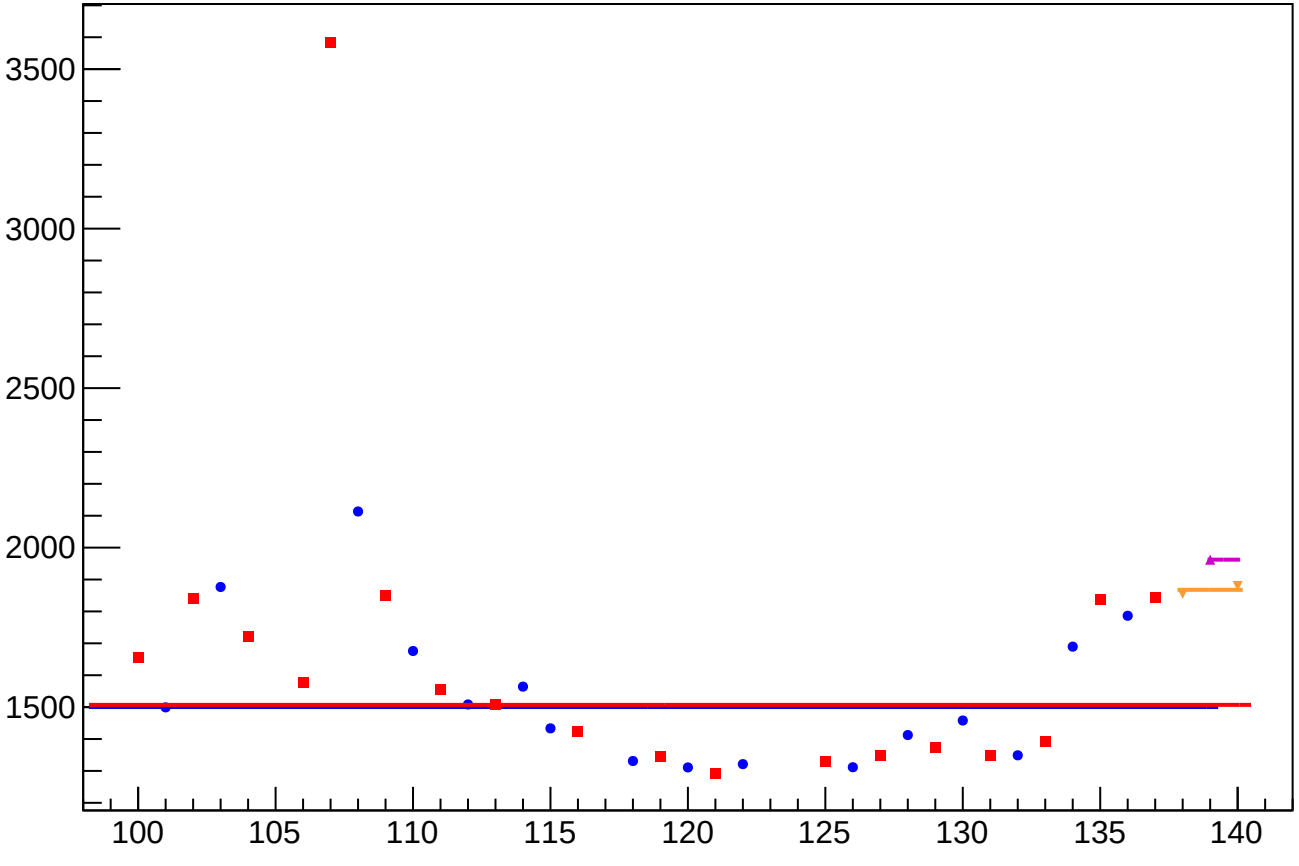
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 2337.037+/-544.365 χ^2/NDF:9.1/16

Out: 1443.398+/-526.186 χ^2/NDF:19.2/19

All: 1875.047+/-378.333 χ^2/NDF: 29.7/36

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1867.733+/-1.039 χ^2/NDF:139.8/1

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

Left In: 1962.254+/-1.517 χ^2/NDF:0.0/0

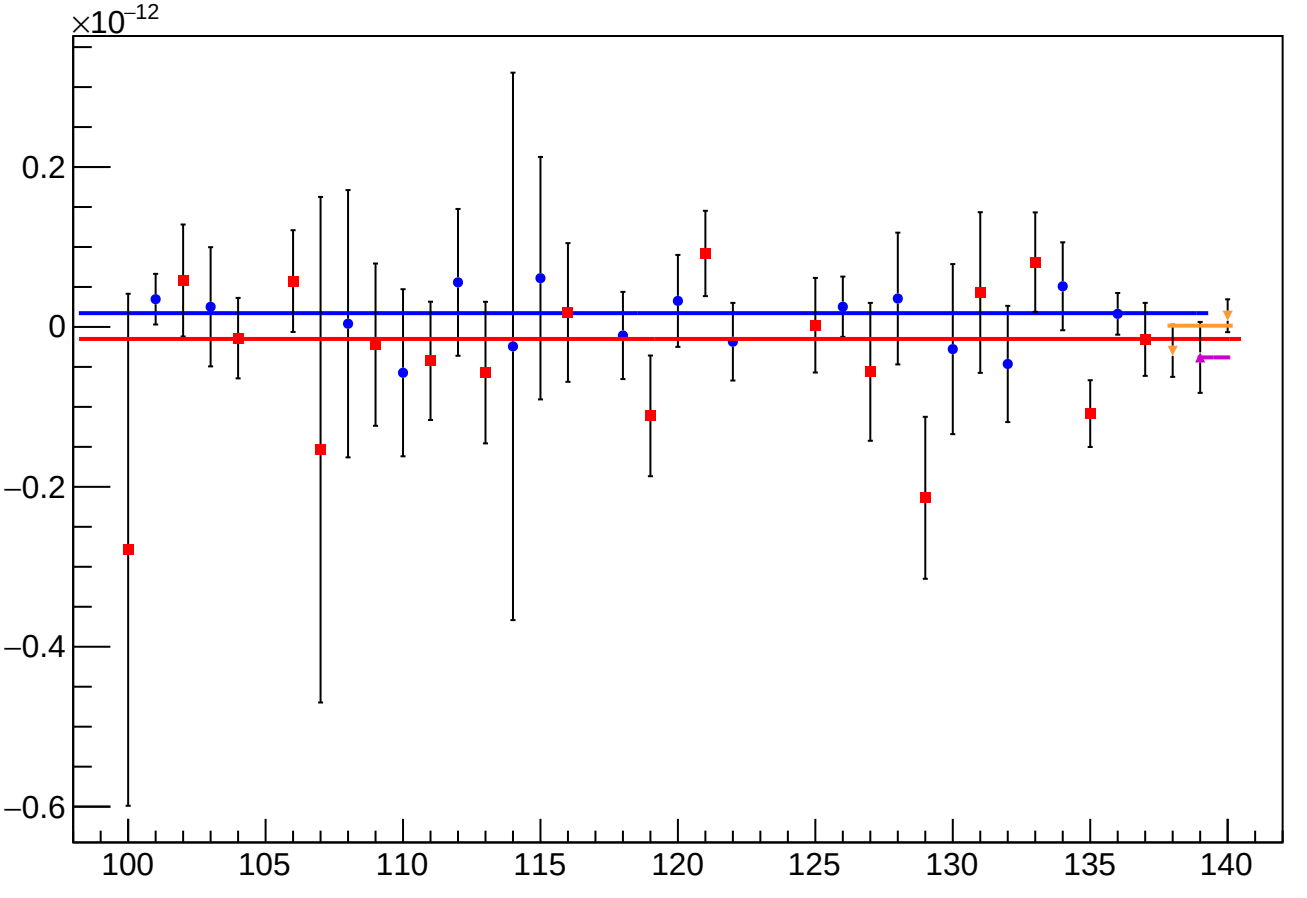
Left: 1897.930+/-0.857 χ^2/NDF: 2783.4/2

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

In: 1530.134+/-0.385 χ^2/NDF:345576.1/16

Out: 1553.340+/-0.372 χ^2/NDF:506386.0/19

All: 1542.131+/-0.268 χ^2/NDF: 853841.2/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/1

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

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

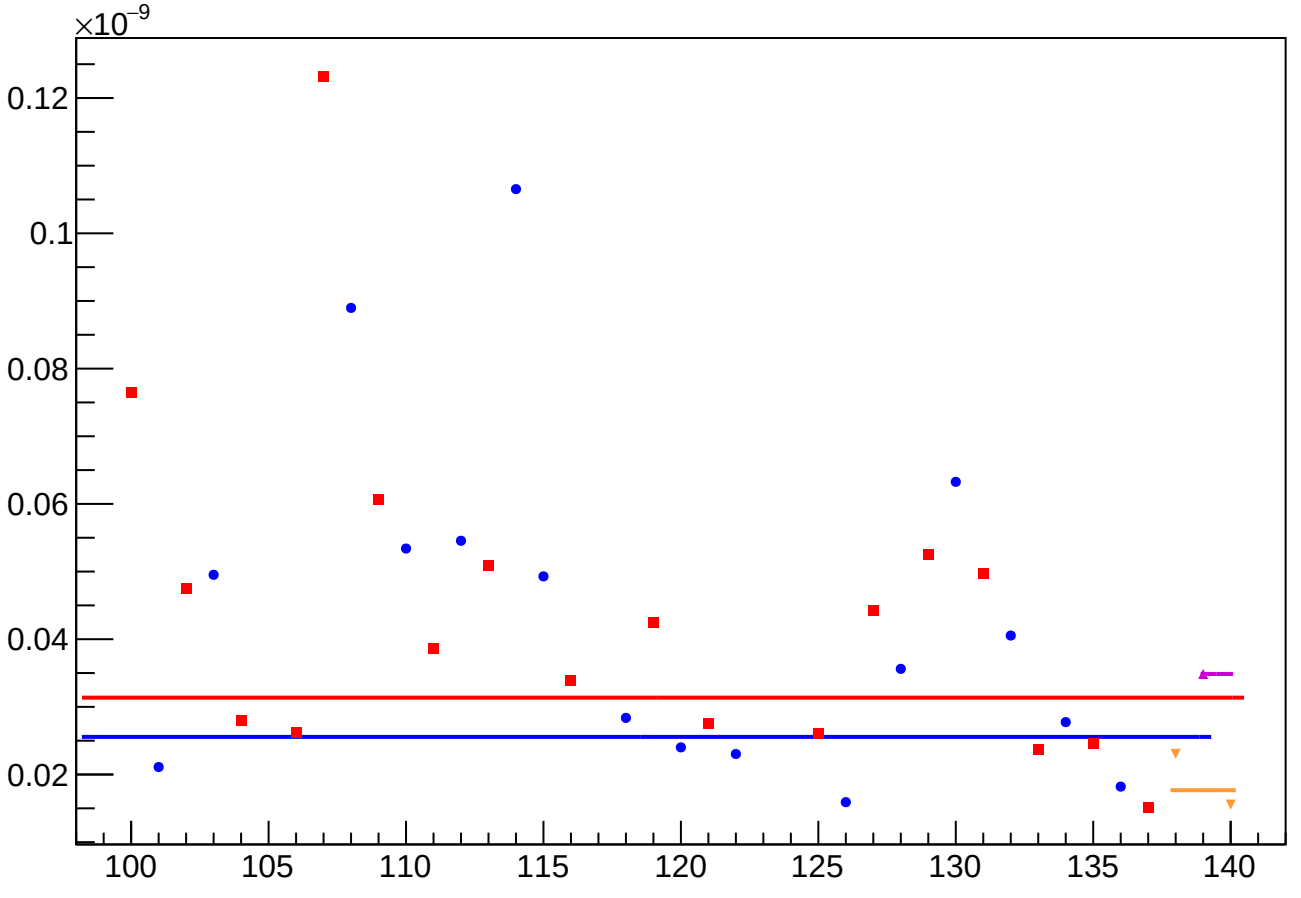
Left: -0.000+/-0.000 χ^2/NDF: 2.0/2

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:4.8/16

Out: -0.000+/-0.000 χ^2/NDF:23.1/19

All: 0.000+/-0.000 χ^2/NDF: 29.2/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:75648.0/1

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

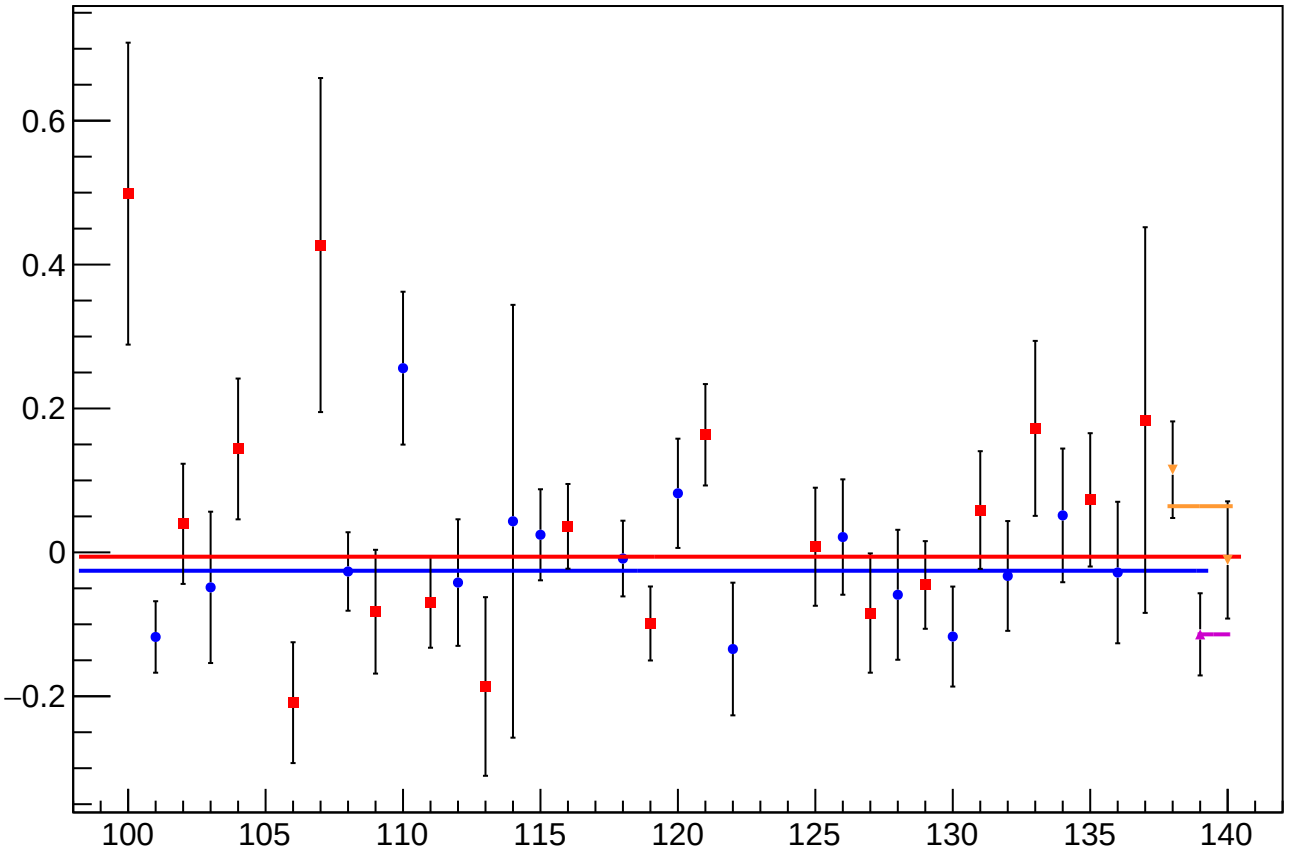
Left: 0.000+/-0.000 χ^2/NDF: 335706.7/2

Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:1788217.7/16

Out: 0.000+/-0.000 χ^2/NDF:1970762.2/19

All: 0.000+/-0.000 χ^2/NDF: 3770068.4/36



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

Left Out: 0.064+/-0.052 χ^2/NDF:1.4/1

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

Left In: -0.114+/-0.057 χ^2/NDF:0.0/0

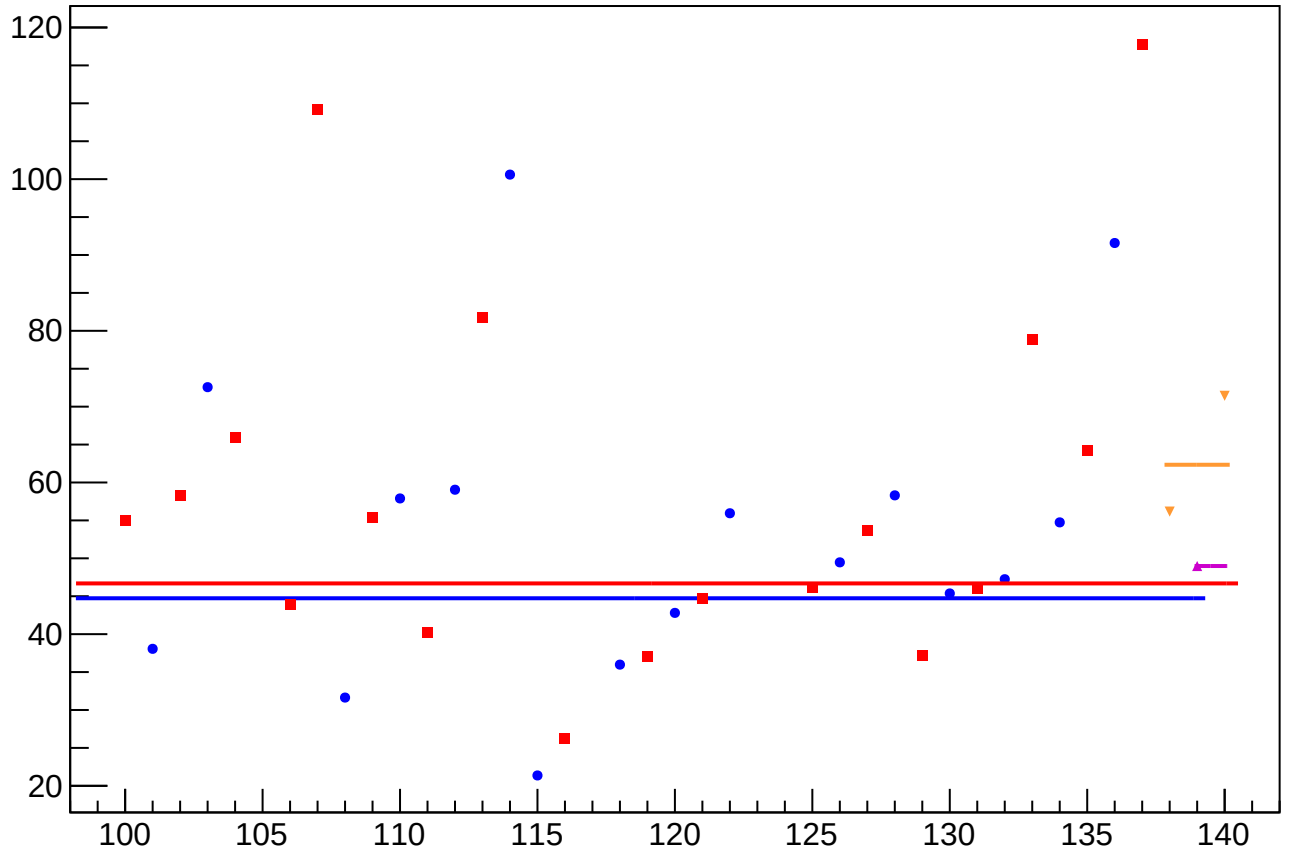
Left: -0.016+/-0.038 χ^2/NDF: 6.7/2

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.034+/-0.018 χ^2/NDF:19.8/16

Out: 0.003+/-0.018 χ^2/NDF:39.6/19

All: -0.016+/-0.013 χ^2/NDF: 61.4/36



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

Left Out: 62.338+/-0.037 χ^2/NDF:41835.4/1

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

Left In: 48.985+/-0.040 χ^2/NDF:0.0/0

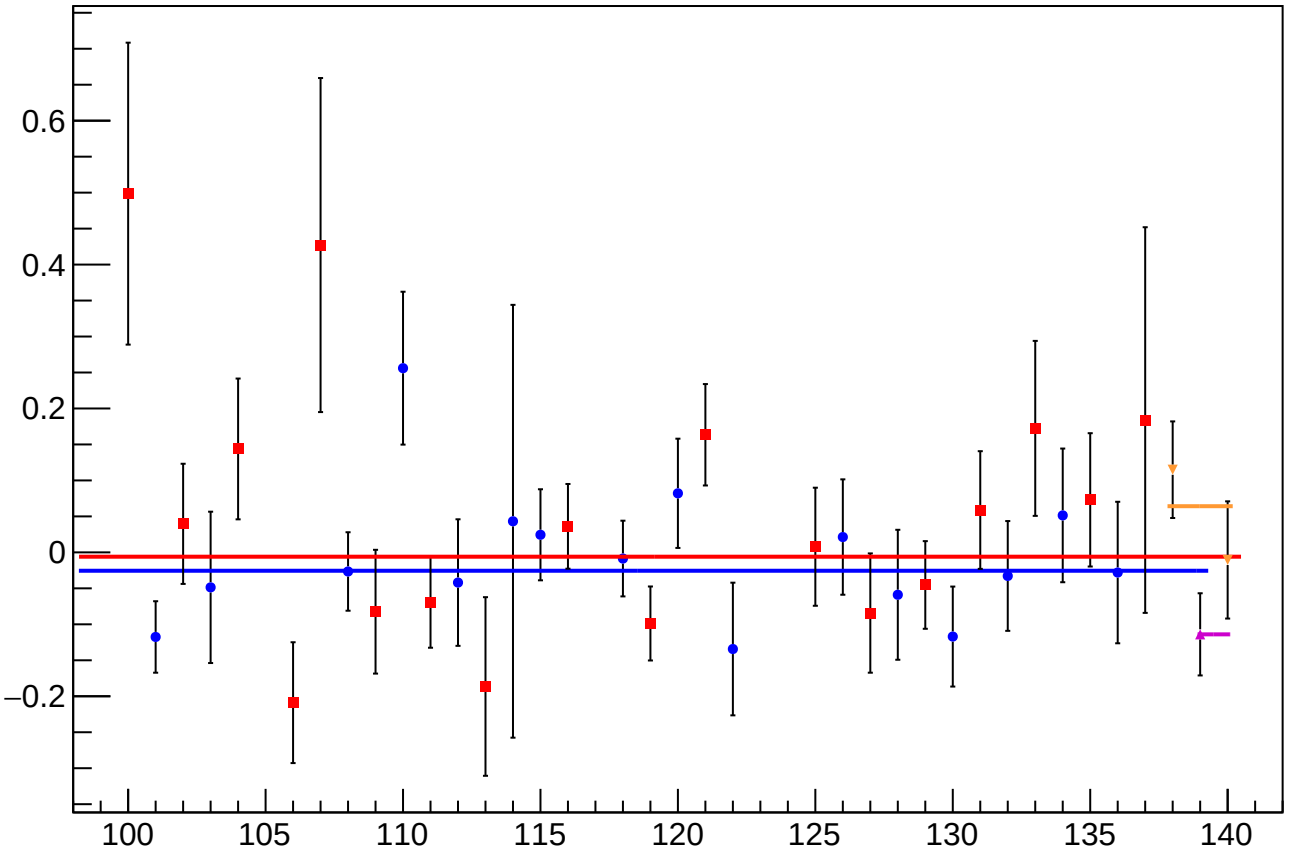
Left: 56.309+/-0.027 χ^2/NDF: 101804.7/2

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 45.147+/-0.013 χ^2/NDF:1344546.0/16

Out: 48.613+/-0.013 χ^2/NDF:1397290.6/19

All: 46.848+/-0.009 χ^2/NDF: 2778922.3/36



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

Left Out: 0.064+/-0.052 χ^2/NDF:1.4/1

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

Left In: -0.114+/-0.057 χ^2/NDF:0.0/0

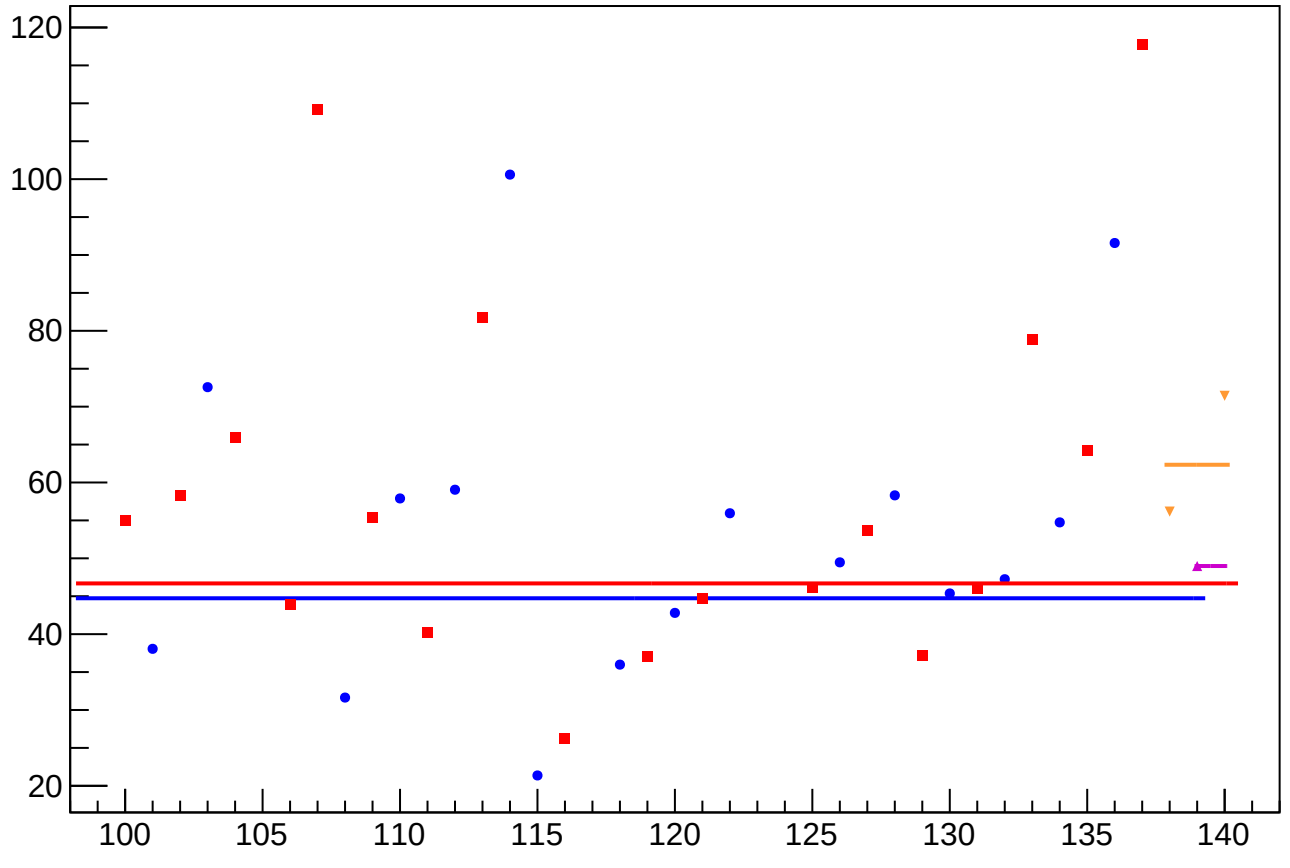
Left: -0.016+/-0.038 χ^2/NDF: 6.7/2

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.034+/-0.018 χ^2/NDF:19.8/16

Out: 0.003+/-0.018 χ^2/NDF:39.6/19

All: -0.016+/-0.013 χ^2/NDF: 61.4/36



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

Left Out: 62.338+/-0.037 χ^2/NDF:41835.4/1

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

Left In: 48.985+/-0.040 χ^2/NDF:0.0/0

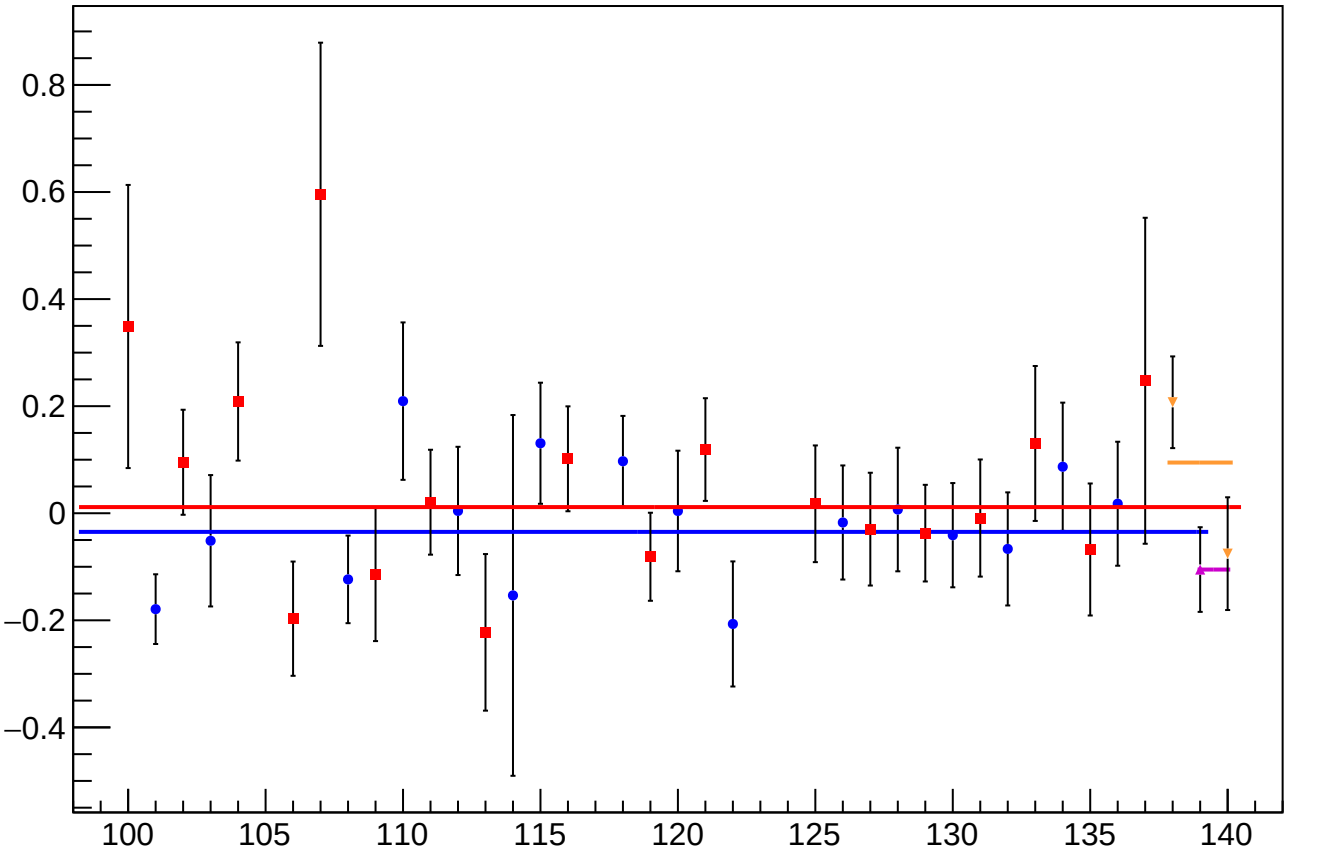
Left: 56.309+/-0.027 χ^2/NDF: 101804.7/2

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 45.147+/-0.013 χ^2/NDF:1344546.0/16

Out: 48.613+/-0.013 χ^2/NDF:1397290.6/19

All: 46.848+/-0.009 χ^2/NDF: 2778922.3/36



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: 0.095+/-0.066 χ^2/NDF:4.3/1

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.105+/-0.079 χ^2/NDF:0.0/0

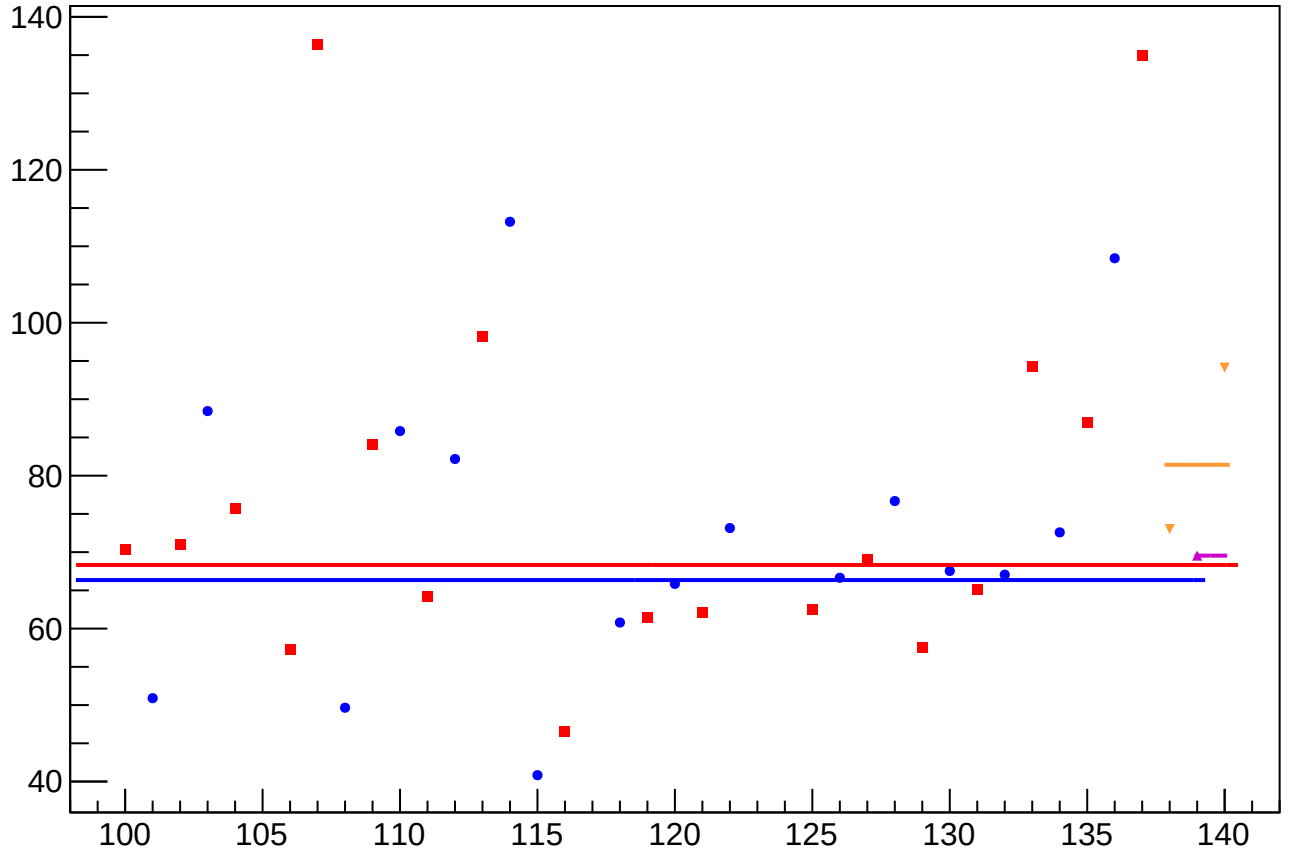
Left: 0.012+/-0.051 χ^2/NDF: 8.1/2

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.042+/-0.025 χ^2/NDF:18.2/16

Out: 0.023+/-0.025 χ^2/NDF:28.4/19

All: -0.009+/-0.018 χ^2/NDF: 50.0/36



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 81.425+/-0.047 χ^2/NDF:48377.1/1

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 69.544+/-0.056 χ^2/NDF:0.0/0

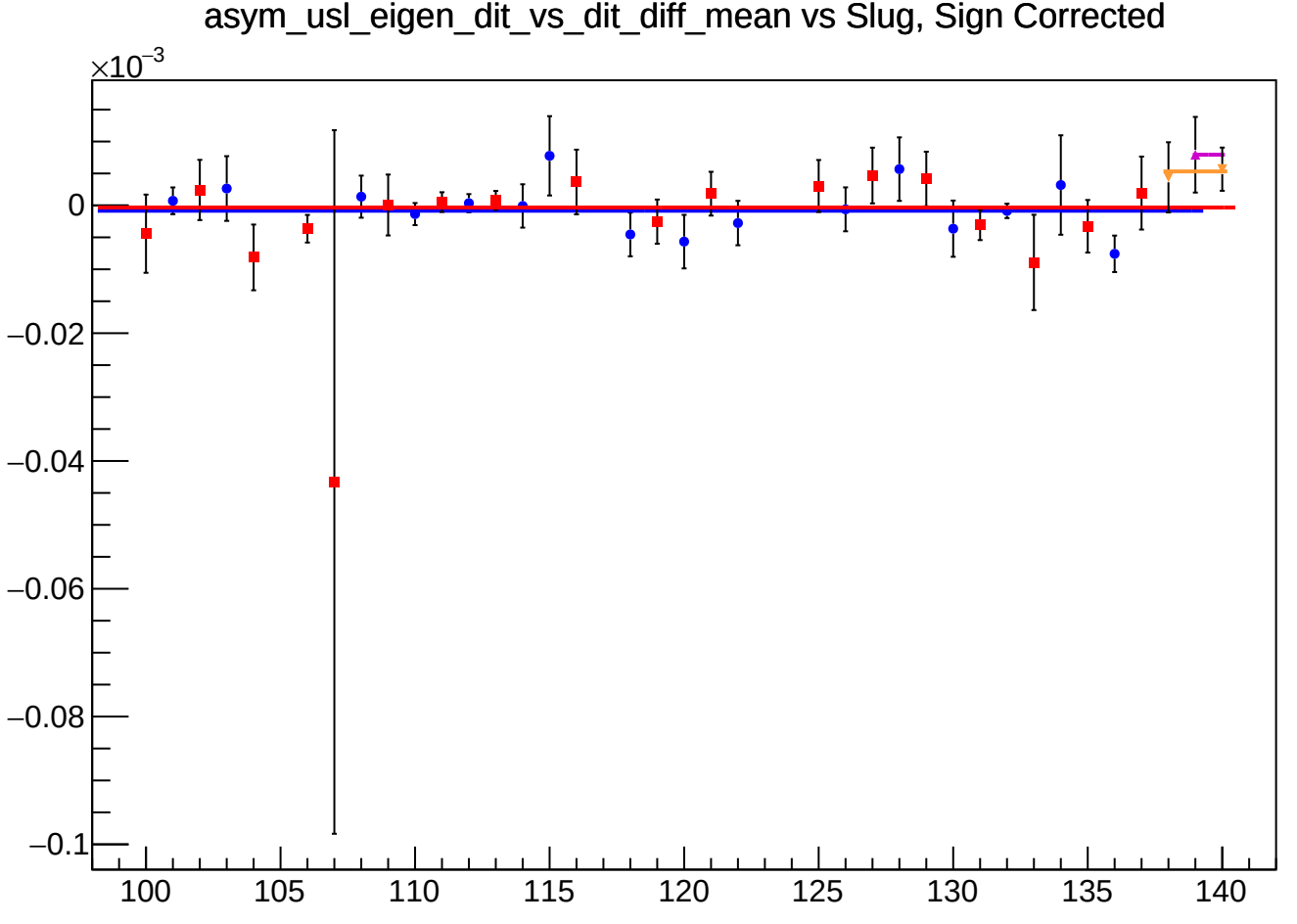
Left: 76.507+/-0.036 χ^2/NDF: 74840.2/2

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 66.666+/-0.018 χ^2/NDF:775595.7/16

Out: 70.167+/-0.018 χ^2/NDF:744862.3/19

All: 68.416+/-0.012 χ^2/NDF: 1540173.5/36



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

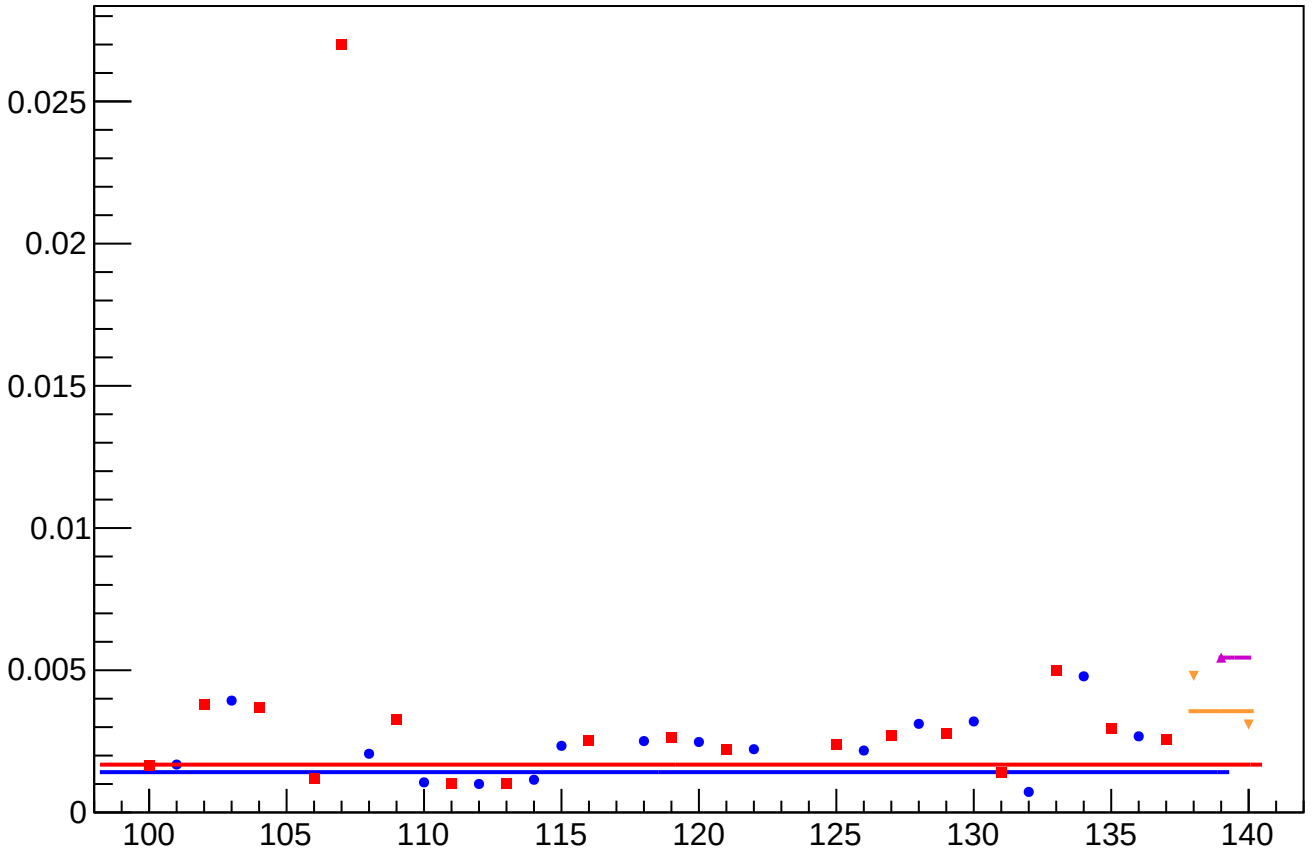
Left: 0.000+/-0.000 χ^2/NDF: 0.2/2

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:17.2/16

Out: 0.000+/-0.000 χ^2/NDF:18.5/19

All: -0.000+/-0.000 χ^2/NDF: 36.3/36



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:140857.2/1

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.005+/-0.000 χ^2/NDF:0.0/0

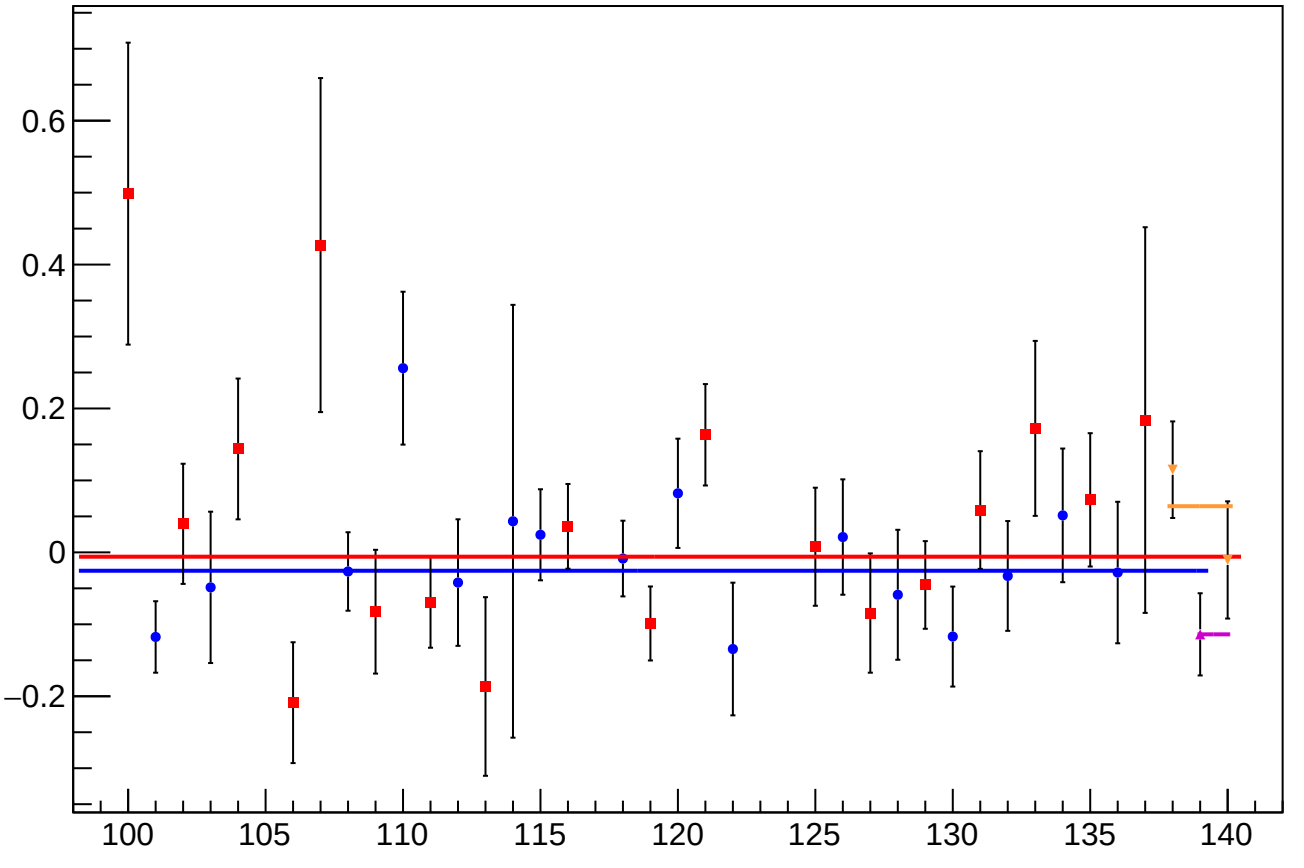
Left: 0.004+/-0.000 χ^2/NDF: 304557.4/2

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.001+/-0.000 χ^2/NDF:4463054.8/16

Out: 0.002+/-0.000 χ^2/NDF:4369801.0/19

All: 0.002+/-0.000 χ^2/NDF: 9087883.7/36



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

Left Out: 0.064+/-0.052 χ^2/NDF:1.4/1

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

Left In: -0.114+/-0.057 χ^2/NDF:0.0/0

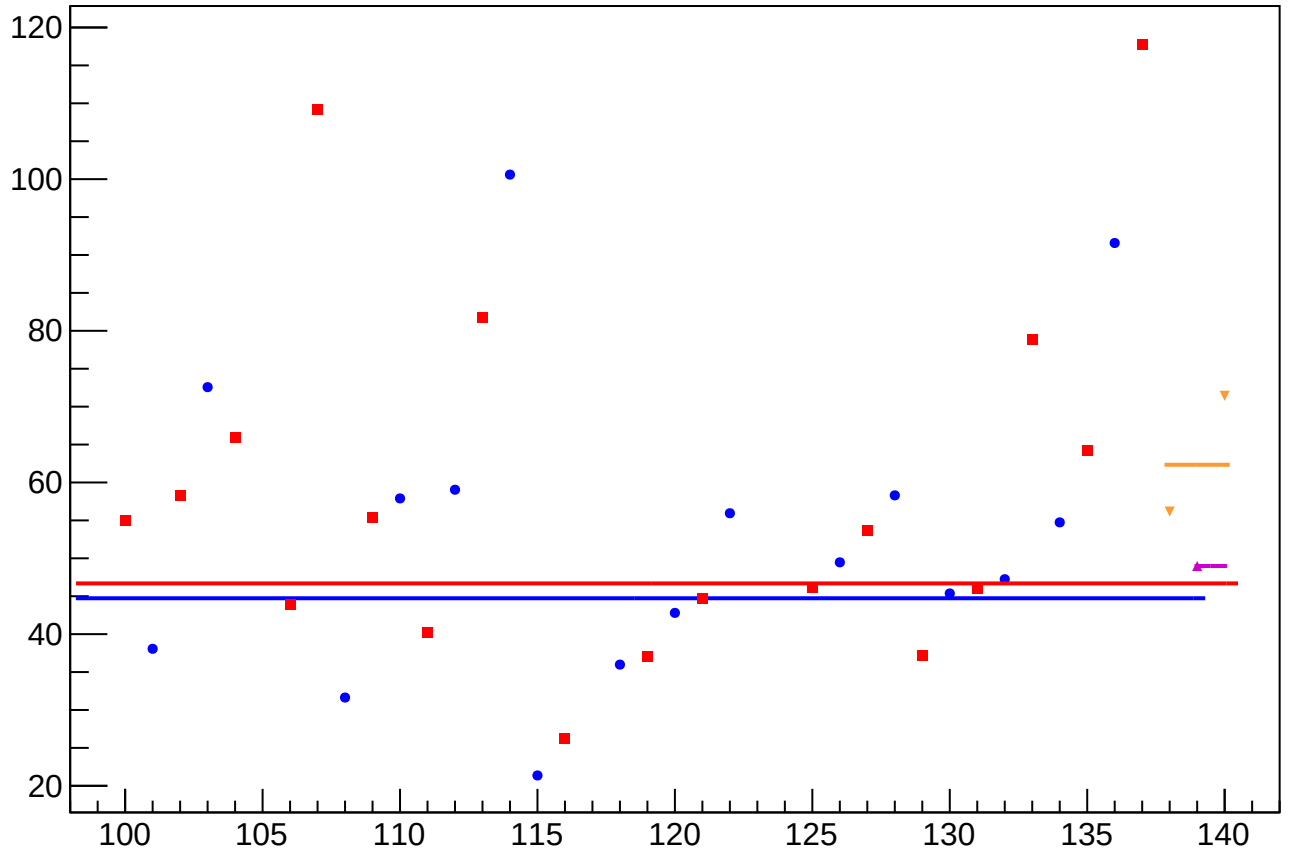
Left: -0.016+/-0.038 χ^2/NDF: 6.7/2

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.034+/-0.018 χ^2/NDF:19.8/16

Out: 0.003+/-0.018 χ^2/NDF:39.6/19

All: -0.016+/-0.013 χ^2/NDF: 61.4/36



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 62.337+/-0.037 χ^2/NDF:41837.9/1

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 48.985+/-0.040 χ^2/NDF:0.0/0

Left: 56.309+/-0.027 χ^2/NDF: 101797.5/2

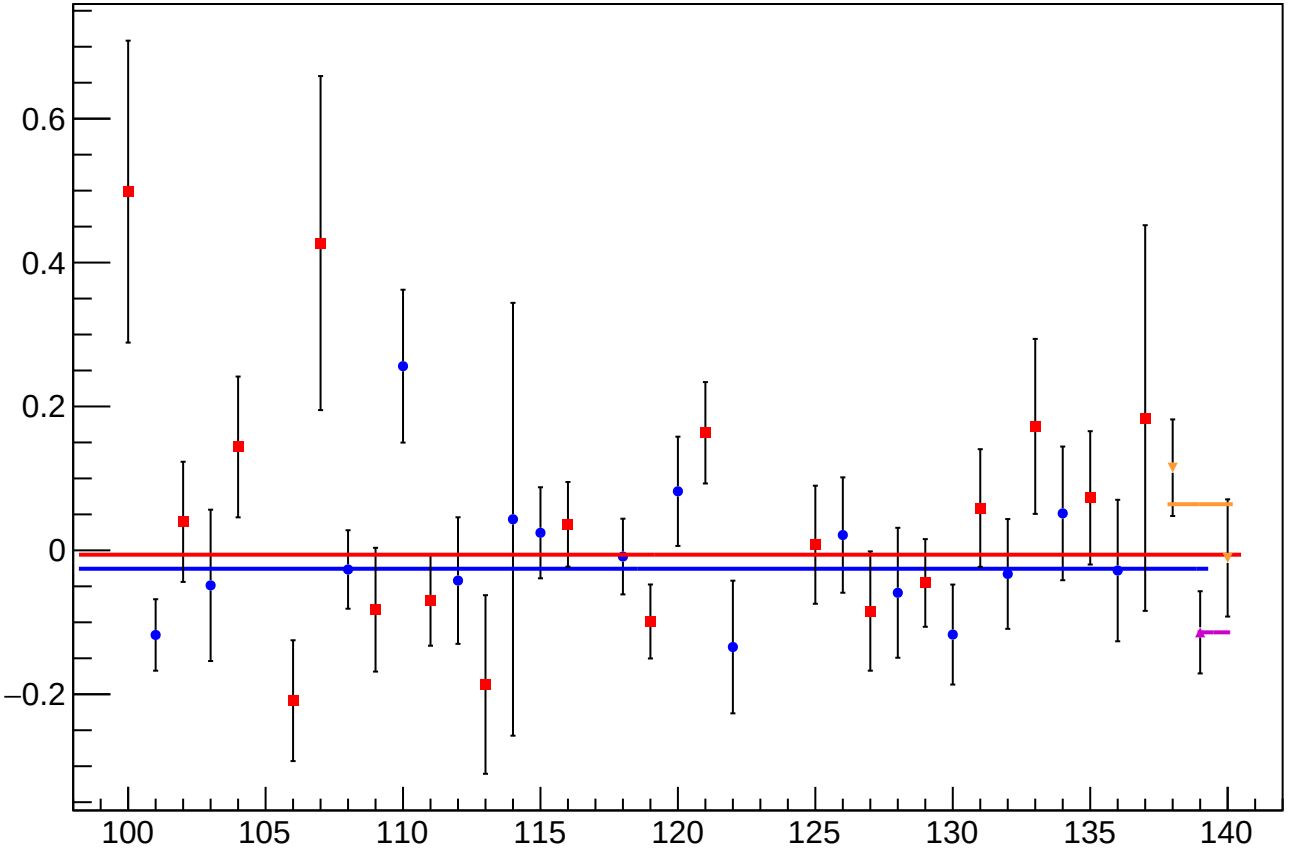
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 45.147+/-0.013 χ^2/NDF:1344614.5/16

Out: 48.612+/-0.013 χ^2/NDF:1397342.8/19

All: 46.847+/-0.009 χ^2/NDF: 2779041.7/36

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.064+/-0.052 χ^2/NDF:1.4/1

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

Left In: -0.114+/-0.057 χ^2/NDF:0.0/0

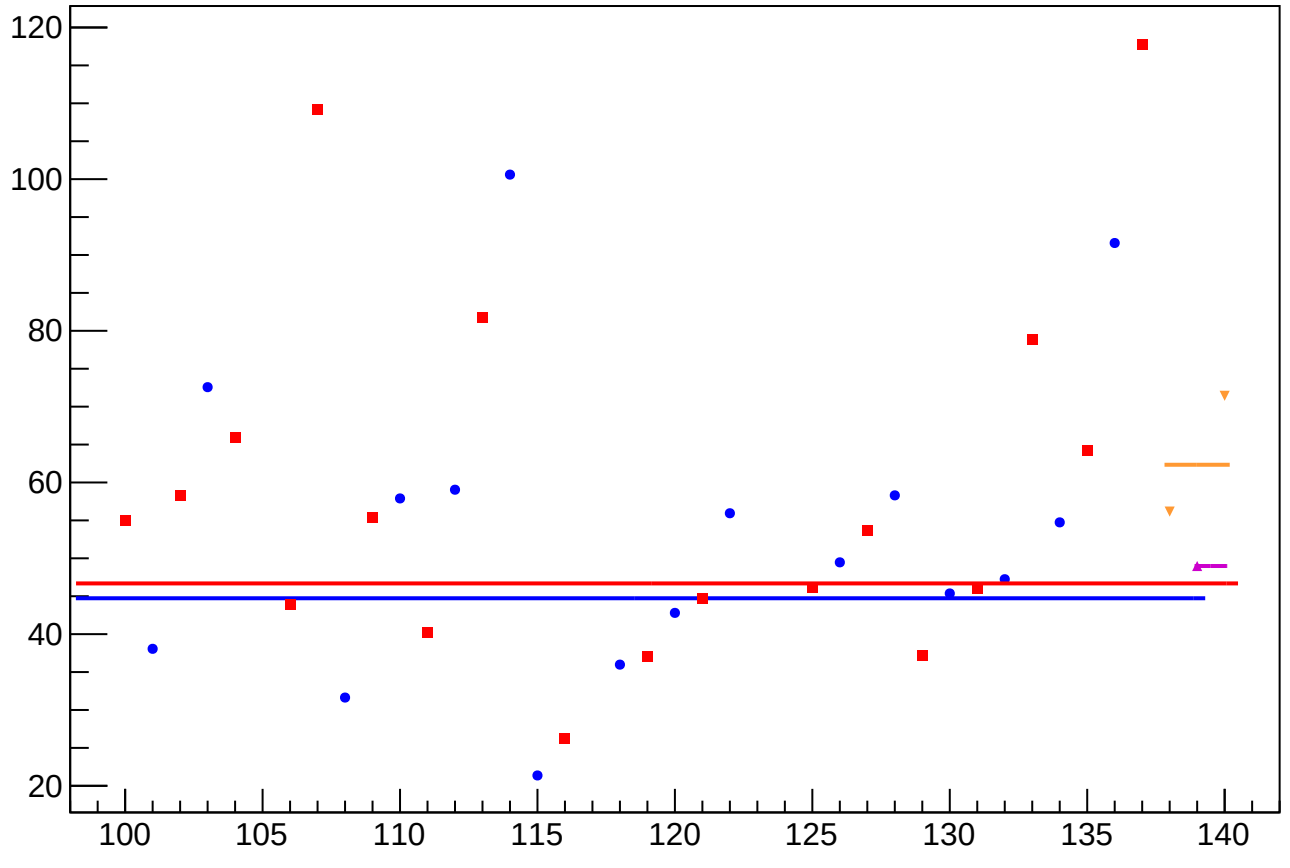
Left: -0.016+/-0.038 χ^2/NDF: 6.7/2

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.034+/-0.018 χ^2/NDF:19.8/16

Out: 0.003+/-0.018 χ^2/NDF:39.6/19

All: -0.016+/-0.013 χ^2/NDF: 61.4/36



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 62.337+/-0.037 χ^2/NDF:41837.9/1

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 48.985+/-0.040 χ^2/NDF:0.0/0

Left: 56.309+/-0.027 χ^2/NDF: 101797.5/2

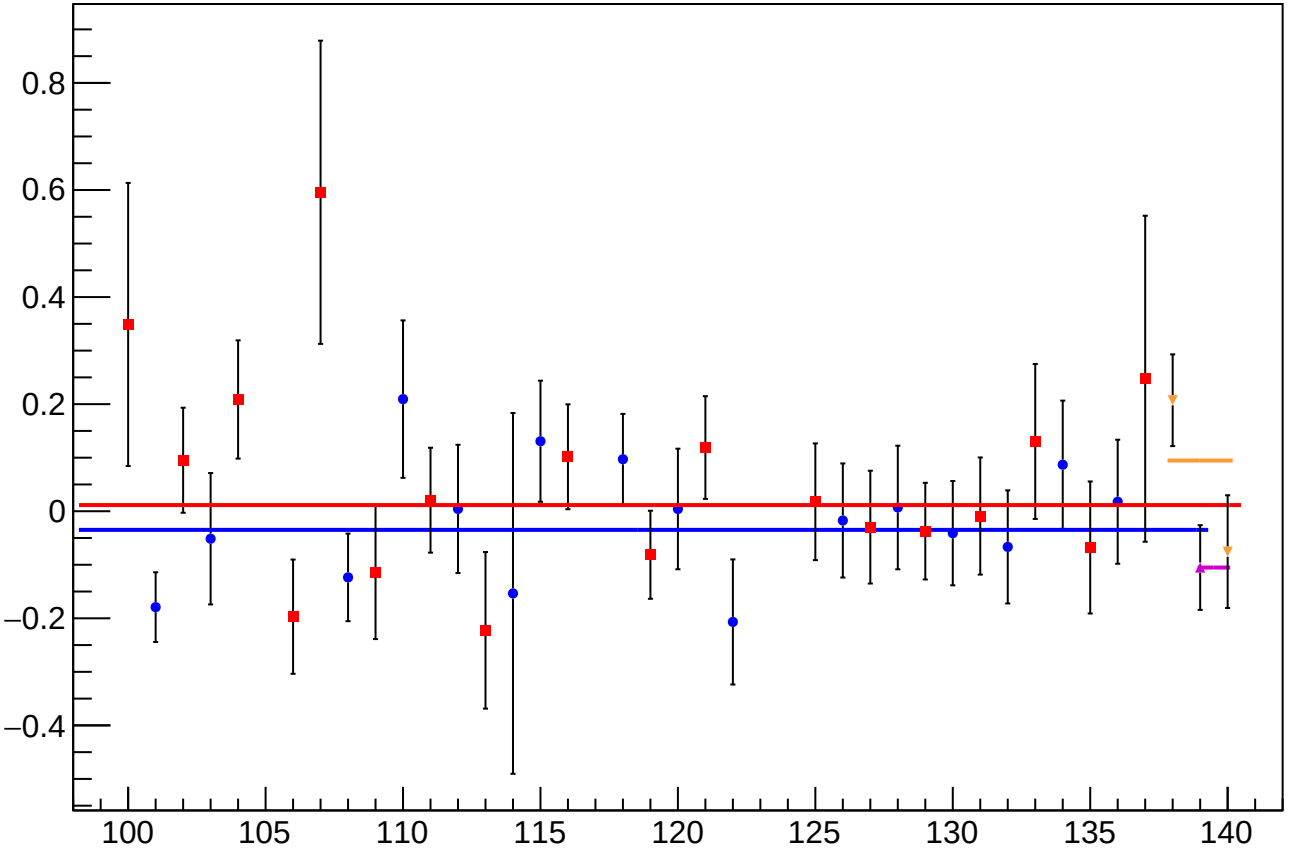
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 45.147+/-0.013 χ^2/NDF:1344614.5/16

Out: 48.612+/-0.013 χ^2/NDF:1397342.8/19

All: 46.847+/-0.009 χ^2/NDF: 2779041.7/36

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: 0.095+/-0.066 χ^2/NDF:4.3/1

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.105+/-0.079 χ^2/NDF:0.0/0

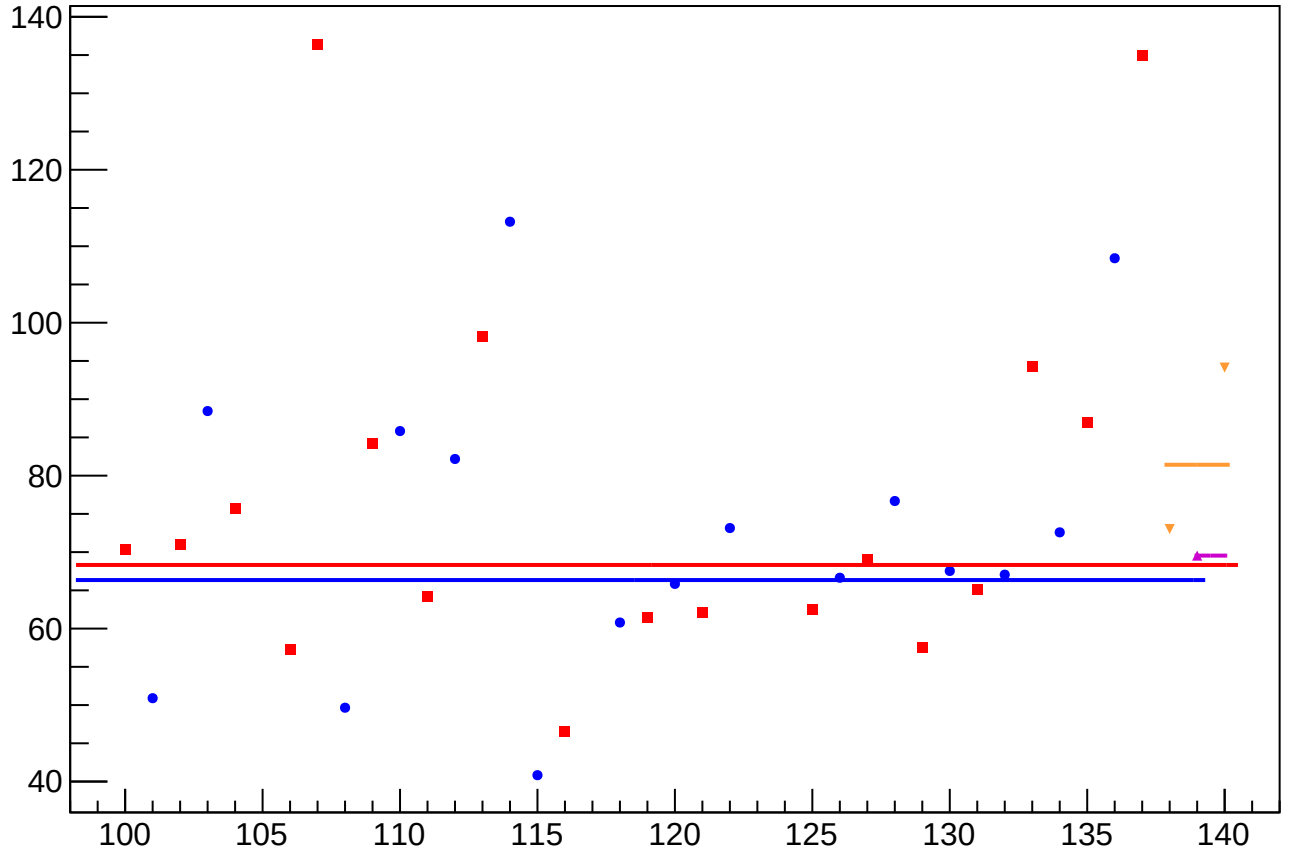
Left: 0.012+/-0.051 χ^2/NDF: 8.1/2

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.042+/-0.025 χ^2/NDF:18.2/16

Out: 0.023+/-0.025 χ^2/NDF:28.4/19

All: -0.009+/-0.018 χ^2/NDF: 50.0/36



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 81.424+/-0.047 χ^2/NDF:48379.0/1

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 69.545+/-0.056 χ^2/NDF:0.0/0

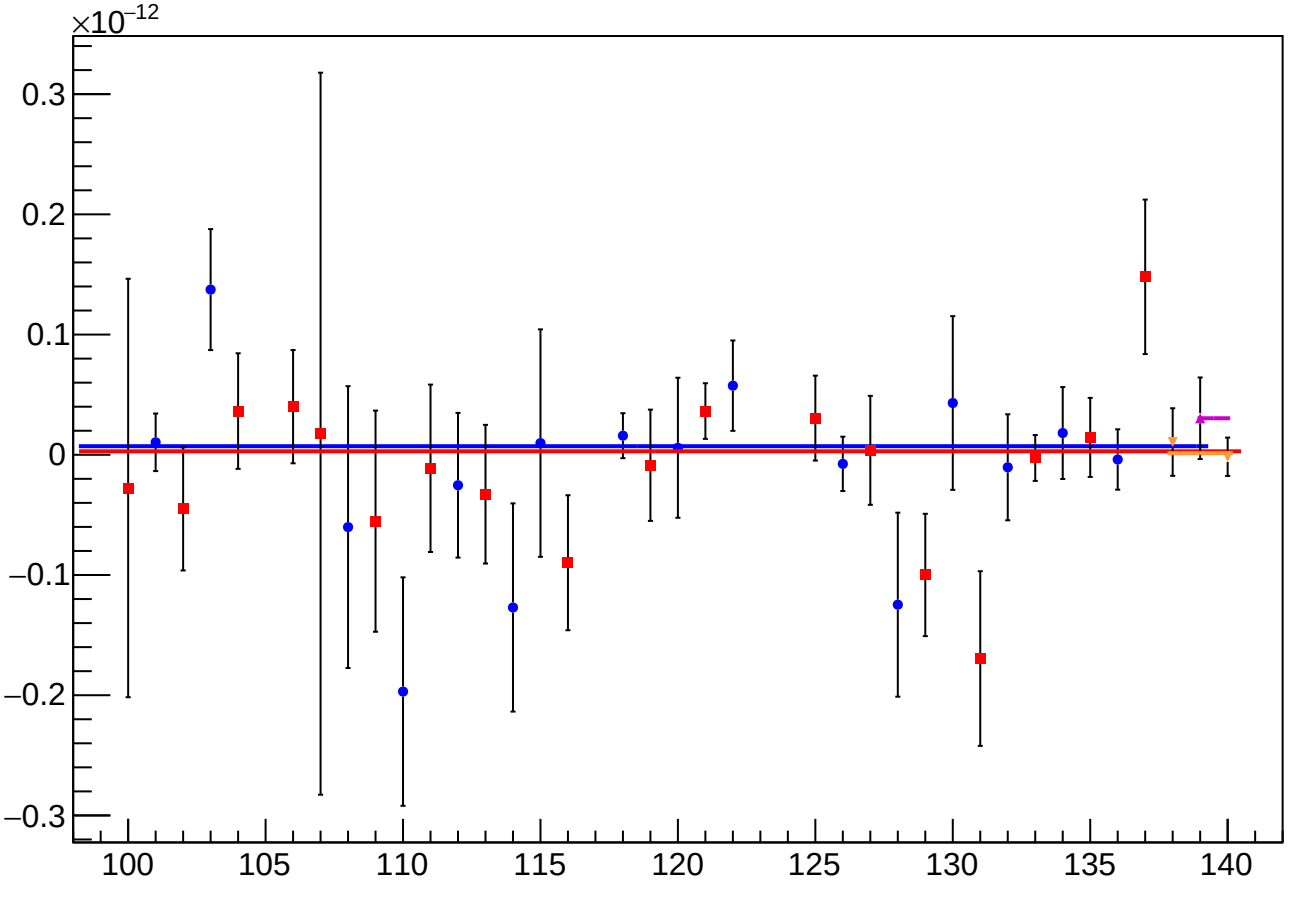
Left: 76.507+/-0.036 χ^2/NDF: 74837.9/2

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 66.666+/-0.018 χ^2/NDF:775604.7/16

Out: 70.166+/-0.018 χ^2/NDF:744864.0/19

All: 68.416+/-0.012 χ^2/NDF: 1540181.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

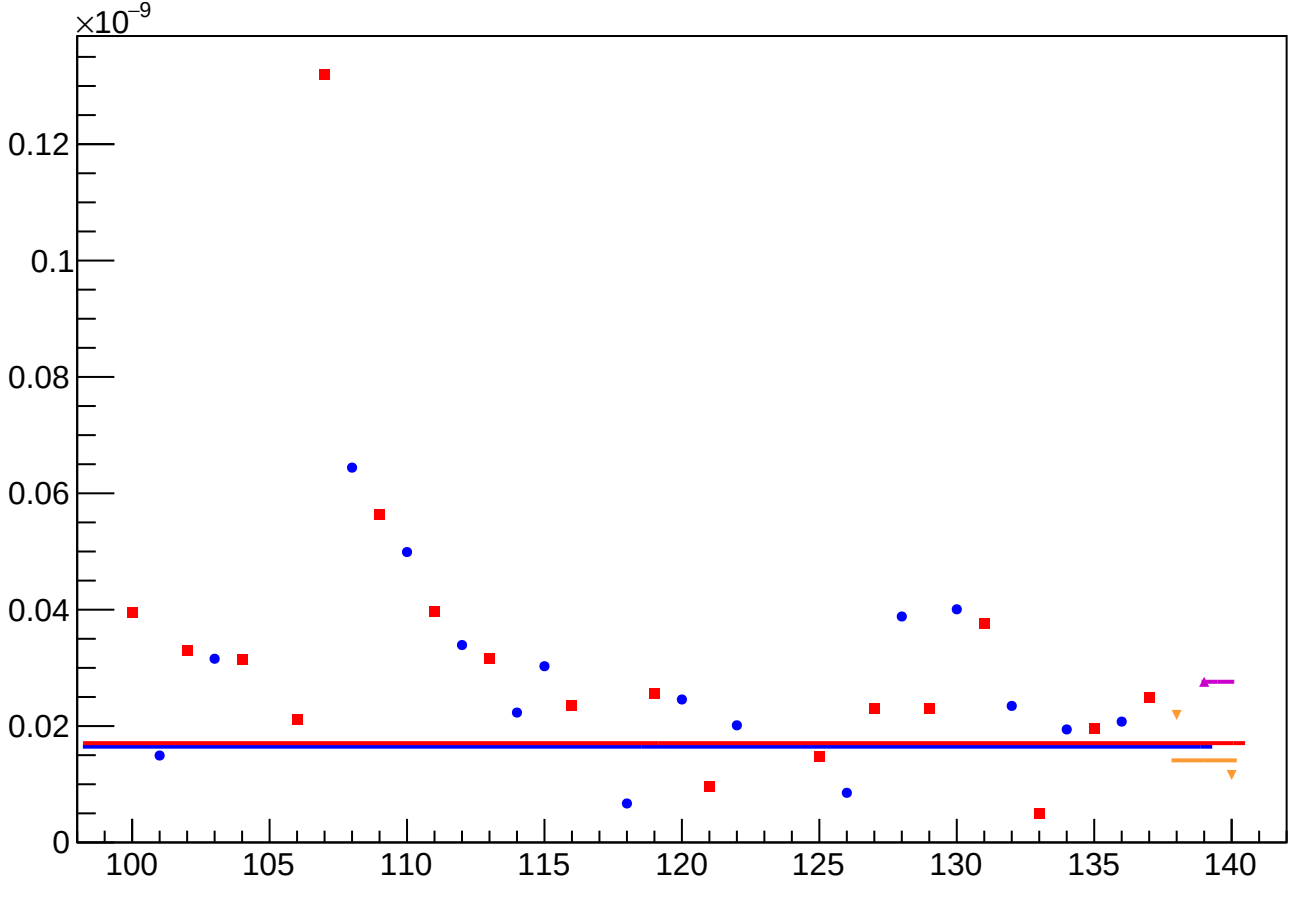
Left: 0.000+/-0.000 χ^2/NDF: 0.8/2

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:20.9/16

Out: 0.000+/-0.000 χ^2/NDF:23.5/19

All: 0.000+/-0.000 χ^2/NDF: 44.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:203843.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

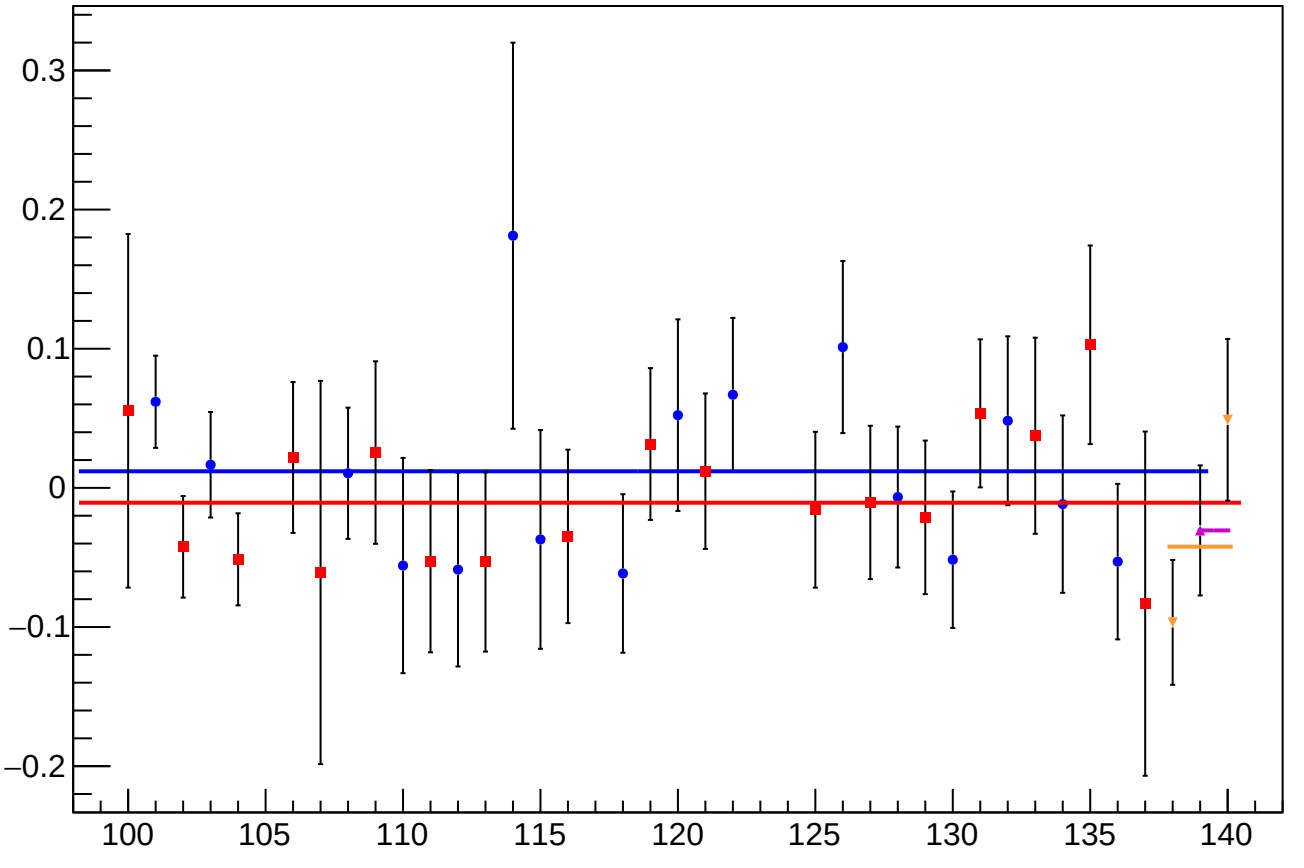
Left: 0.000+/-0.000 χ^2/NDF: 475323.3/2

Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:2547123.1/16

Out: 0.000+/-0.000 χ^2/NDF:3055880.3/19

All: 0.000+/-0.000 χ^2/NDF: 5621348.3/36



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.042+/-0.036 χ^2/NDF:3.9/1

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.031+/-0.047 χ^2/NDF:0.0/0

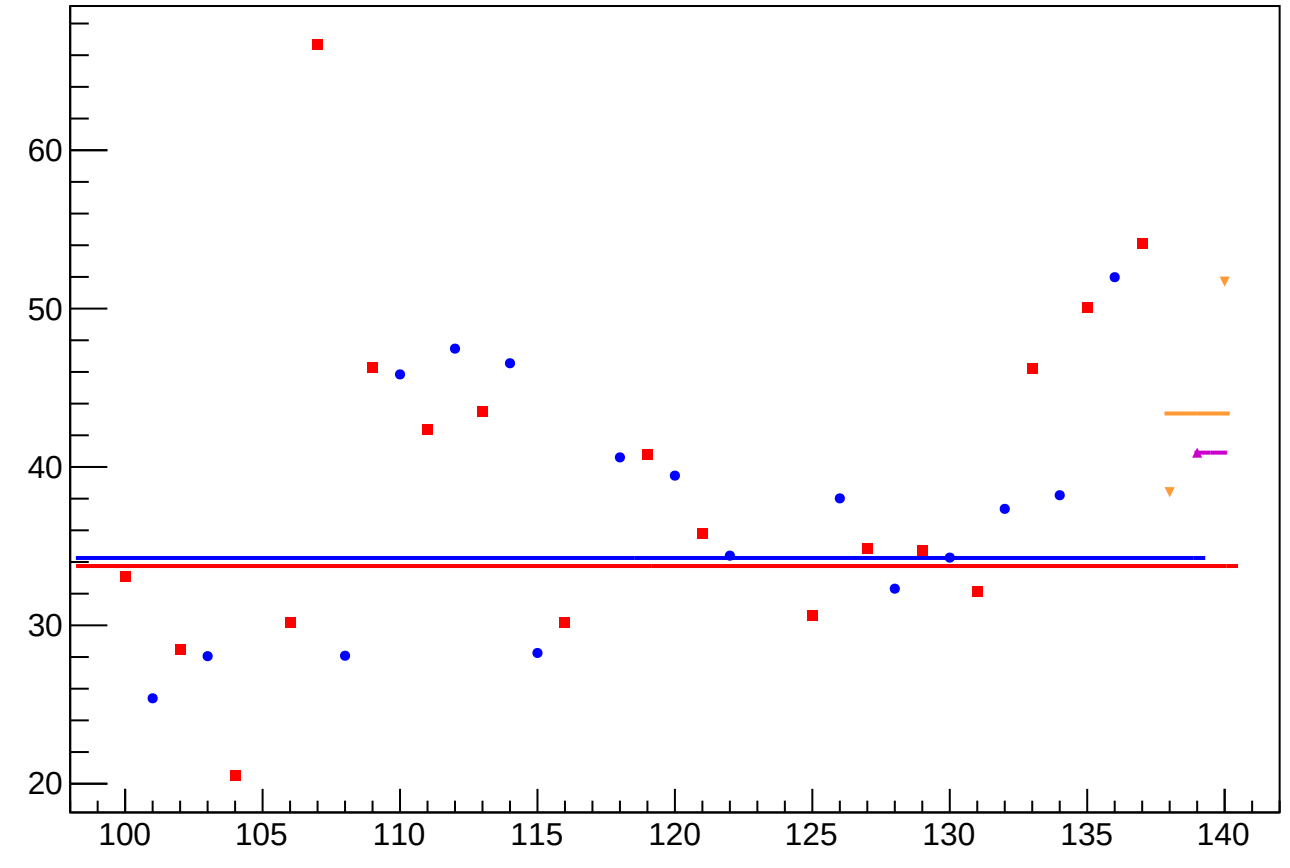
Left: -0.038+/-0.028 χ^2/NDF: 4.0/2

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.009+/-0.013 χ^2/NDF:15.5/16

Out: -0.015+/-0.013 χ^2/NDF:14.6/19

All: -0.003+/-0.009 χ^2/NDF: 31.7/36



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 43.376+/-0.025 χ^2/NDF:65608.5/1

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 40.905+/-0.033 χ^2/NDF:0.0/0

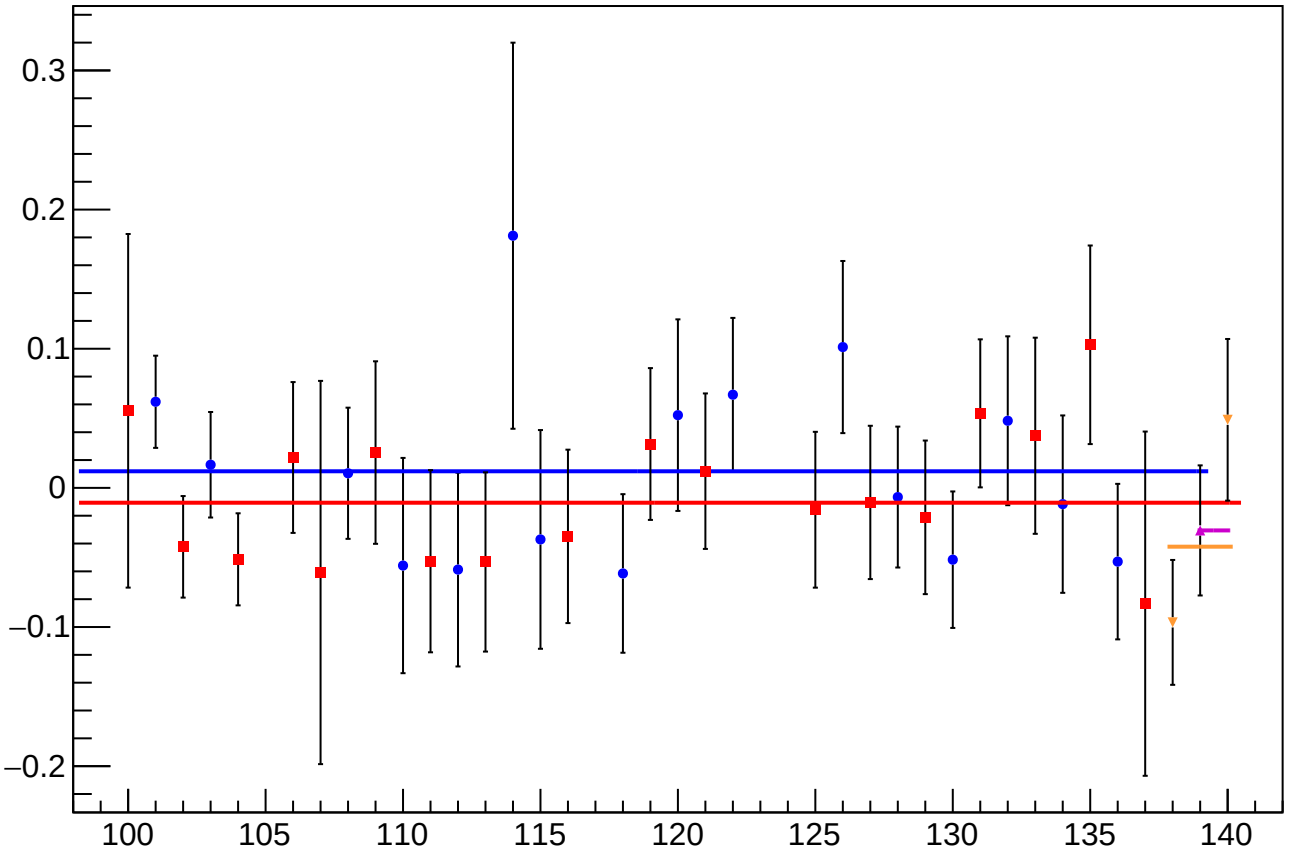
Left: 42.472+/-0.020 χ^2/NDF: 69151.3/2

Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 34.774+/-0.009 χ^2/NDF:673327.2/16

Out: 34.953+/-0.009 χ^2/NDF:1106192.4/19

All: 34.867+/-0.006 χ^2/NDF: 1779713.8/36



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.042+/-0.036 χ^2/NDF:3.9/1

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.031+/-0.047 χ^2/NDF:0.0/0

Left: -0.038+/-0.028 χ^2/NDF: 4.0/2

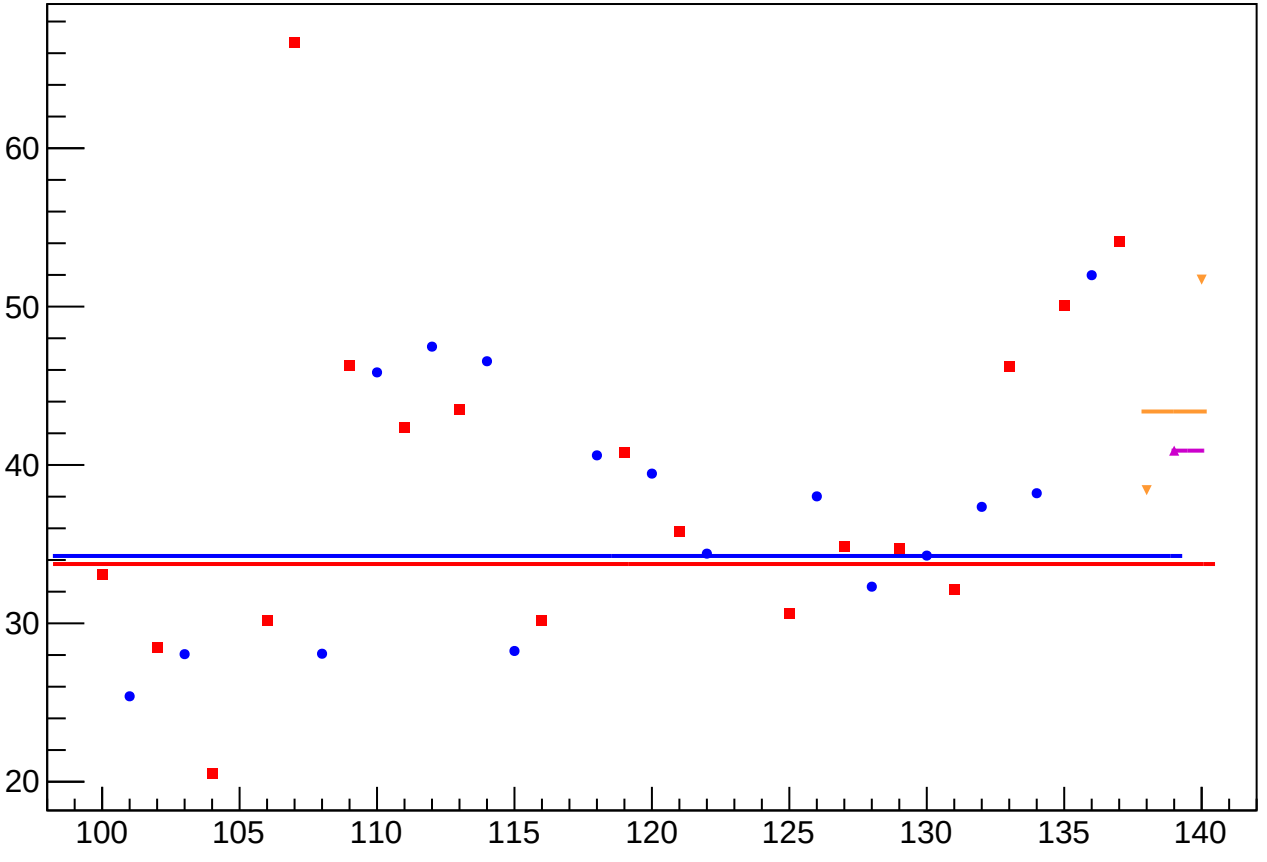
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.009+/-0.013 χ^2/NDF:15.5/16

Out: -0.015+/-0.013 χ^2/NDF:14.6/19

All: -0.003+/-0.009 χ^2/NDF: 31.7/36

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 43.376+/-0.025 χ^2/NDF:65608.5/1

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 40.905+/-0.033 χ^2/NDF:0.0/0

Left: 42.472+/-0.020 χ^2/NDF: 69151.3/2

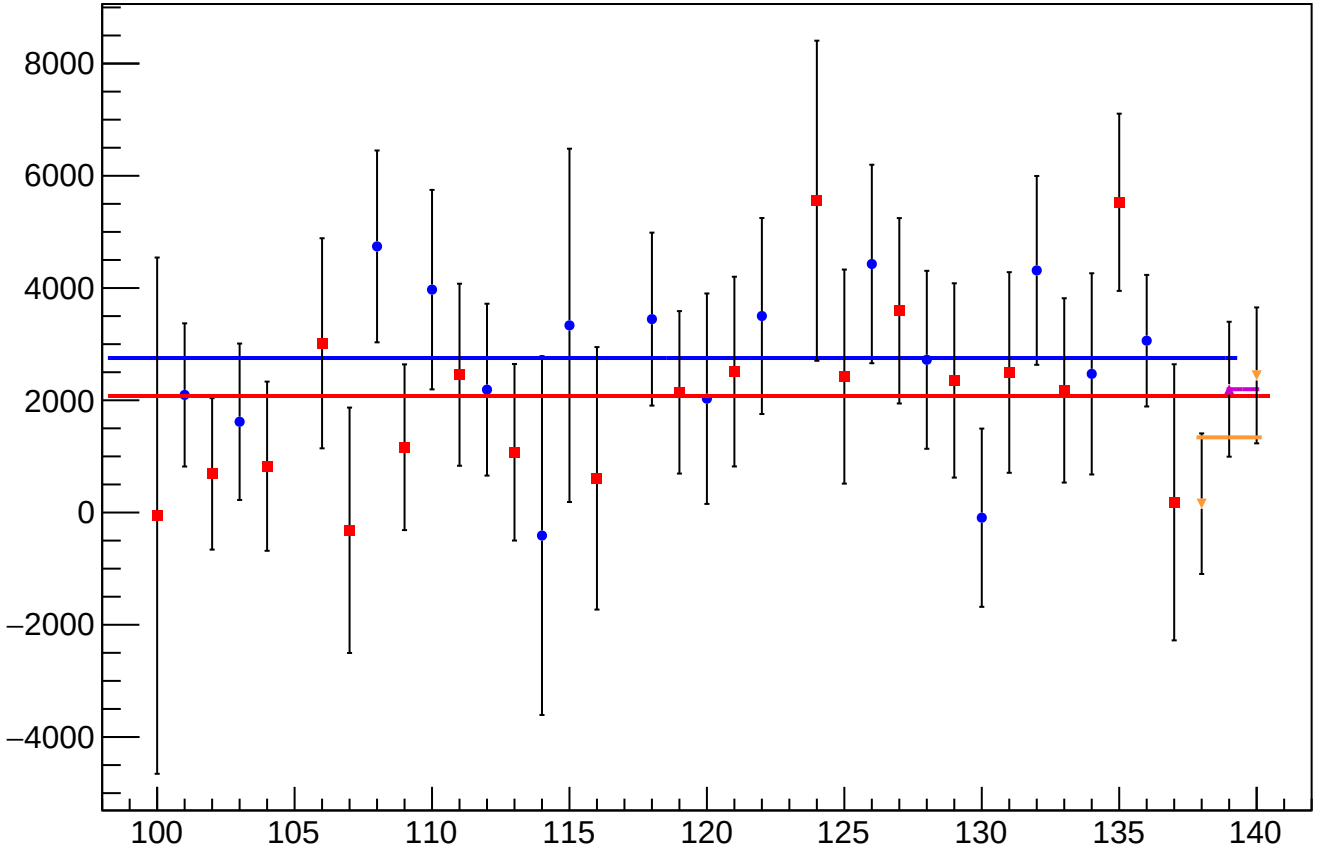
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 34.774+/-0.009 χ^2/NDF:673327.2/16

Out: 34.953+/-0.009 χ^2/NDF:1106192.4/19

All: 34.867+/-0.006 χ^2/NDF: 1779713.8/36

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1339.291+/-870.562 χ^2/NDF:1.7/1

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2197.094+/-1202.107 χ^2/NDF:0.0/0

Left: 1634.402+/-705.085 χ^2/NDF: 2.1/2

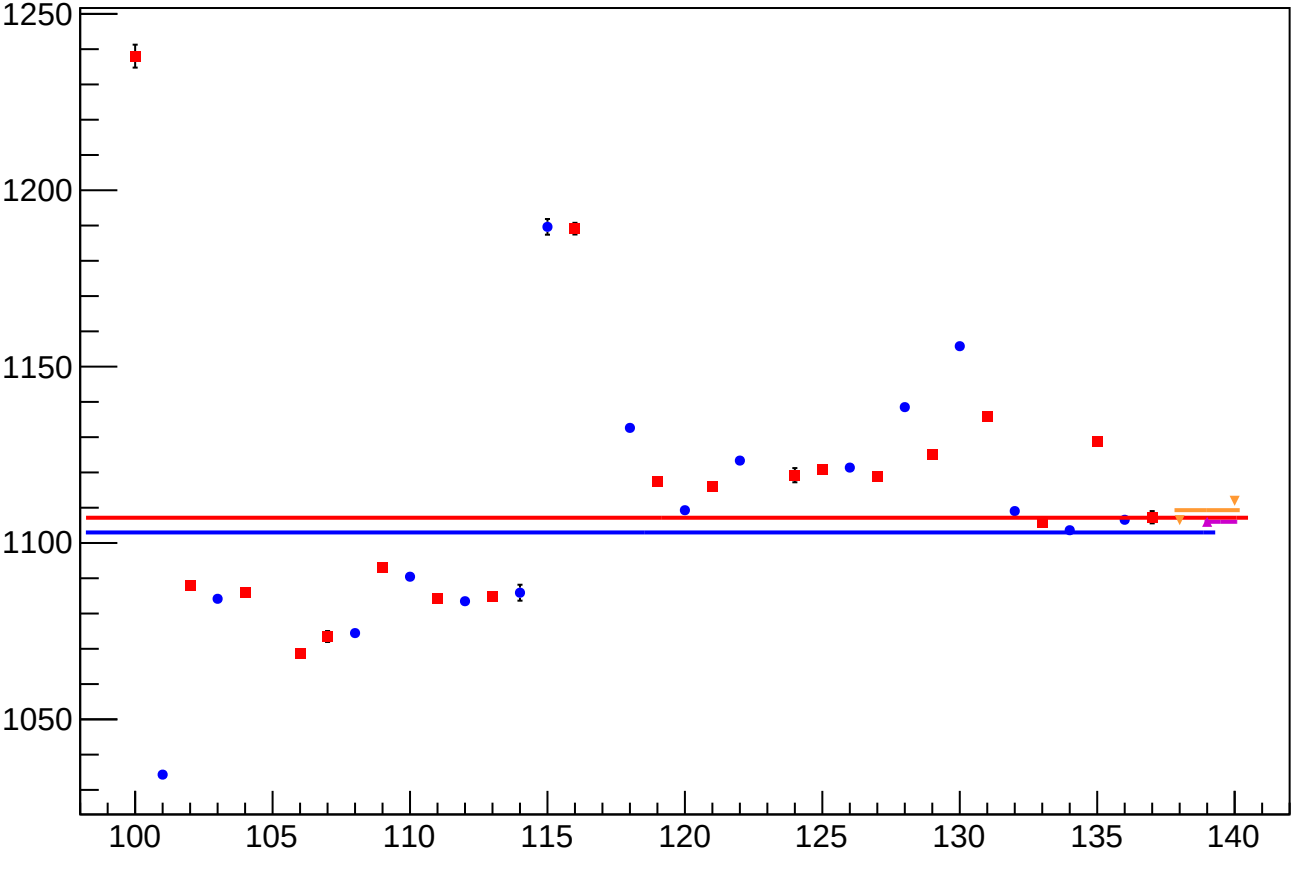
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2695.223+/-387.913 χ^2/NDF:9.7/16

Out: 1945.953+/-366.309 χ^2/NDF:14.9/20

All: 2299.145+/-266.330 χ^2/NDF: 26.5/37

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1109.308+/-0.616 χ^2/NDF:19.9/1

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1106.006+/-0.850 χ^2/NDF:0.0/0

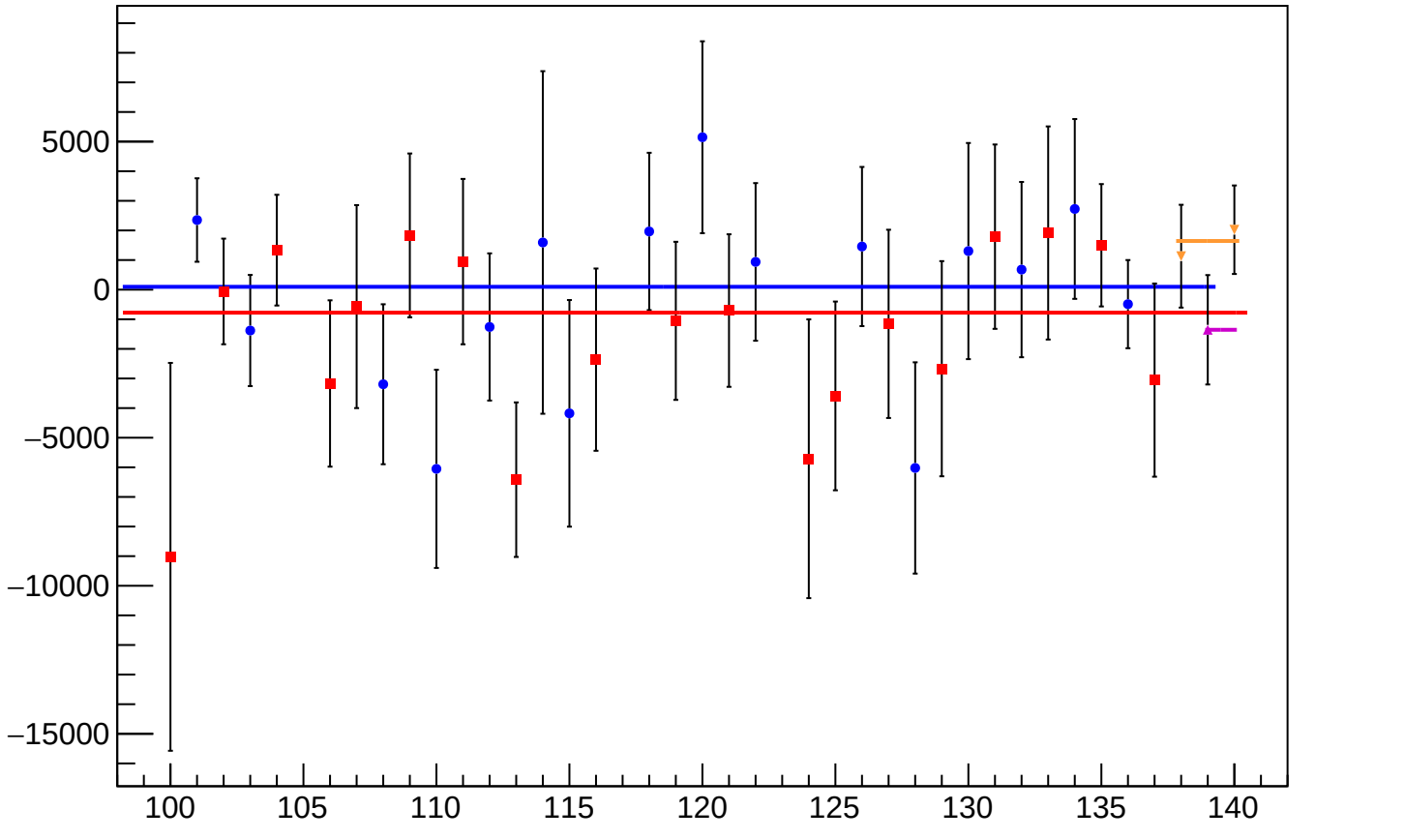
Left: 1108.172+/-0.499 χ^2/NDF: 29.8/2

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1103.302+/-0.274 χ^2/NDF:13235.1/16

Out: 1107.540+/-0.259 χ^2/NDF:8713.3/20

All: 1105.542+/-0.188 χ^2/NDF: 22074.5/37



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1643.362+/-1132.700 χ^2/NDF:0.2/1

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -1355.202+/-1847.237 χ^2/NDF:0.0/0

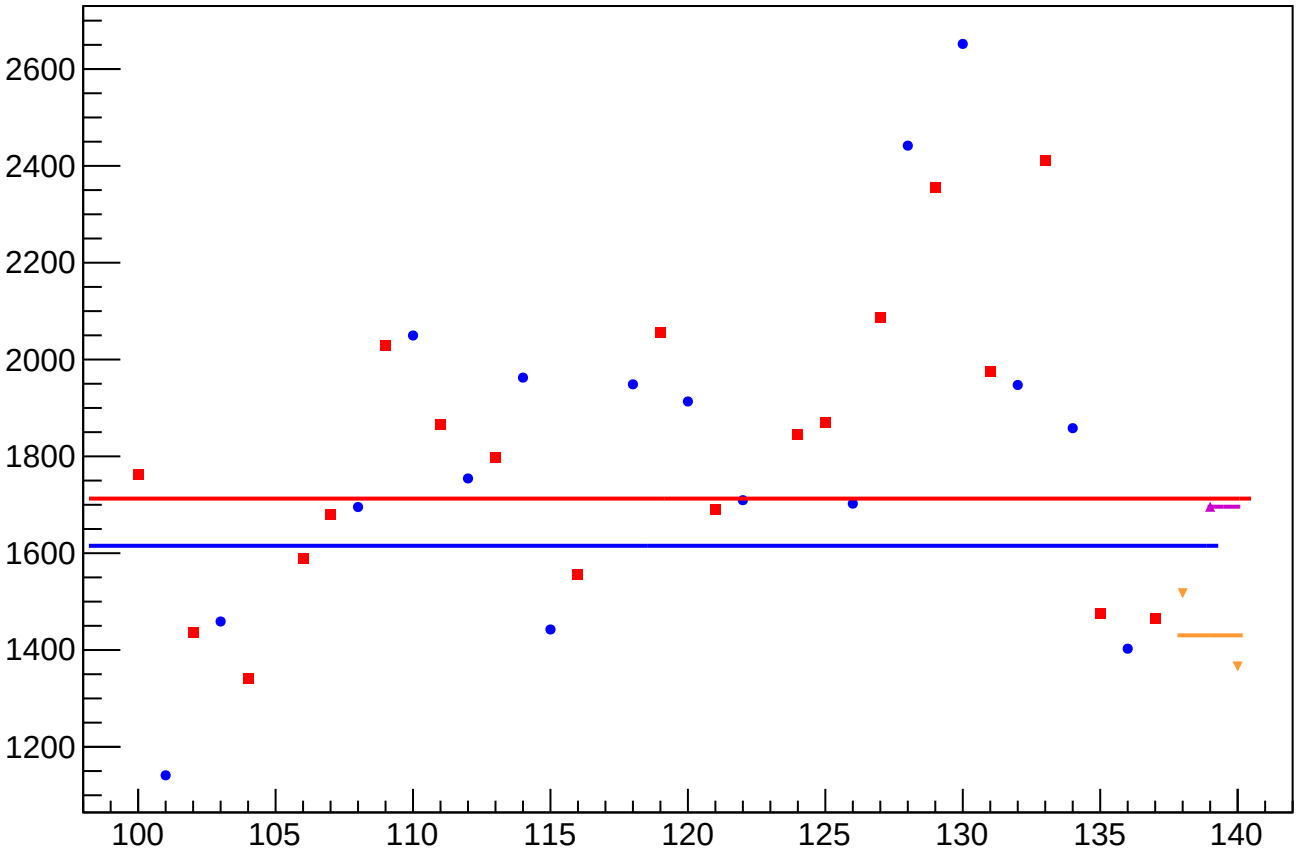
Left: 823.991+/-965.620 χ^2/NDF: 2.1/2

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -50.159+/-586.152 χ^2/NDF:17.5/16

Out: -195.494+/-555.201 χ^2/NDF:18.7/20

All: -126.765+/-403.085 χ^2/NDF: 36.2/37



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1430.312+/-0.801 χ^2/NDF:8719.9/1

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1696.004+/-1.306 χ^2/NDF:0.0/0

Left: 1502.914+/-0.683 χ^2/NDF: 38789.2/2

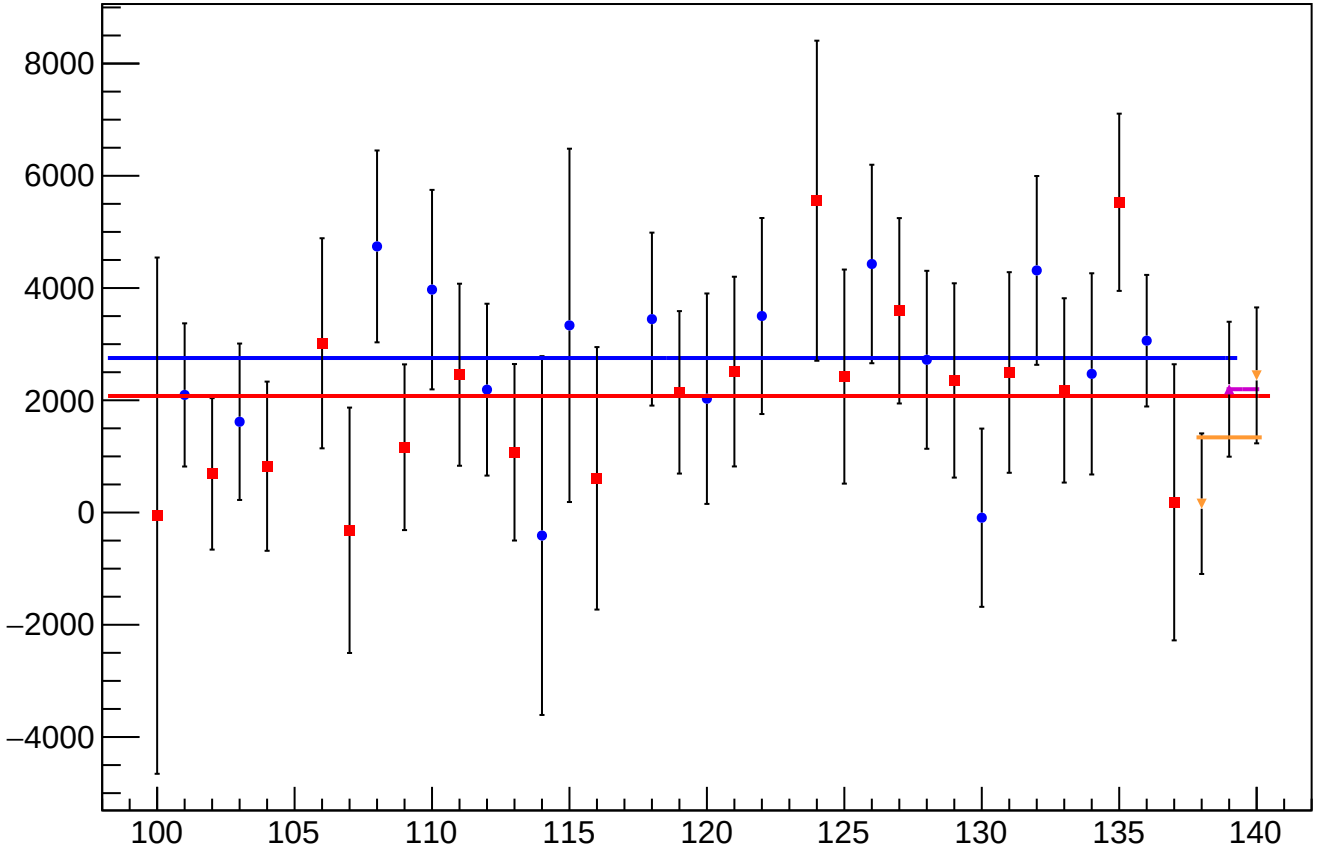
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1623.440+/-0.414 χ^2/NDF:697061.7/16

Out: 1644.930+/-0.393 χ^2/NDF:531291.4/20

All: 1634.767+/-0.285 χ^2/NDF: 1229770.1/37

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1339.291+/-870.562 χ^2/NDF:1.7/1

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2197.094+/-1202.107 χ^2/NDF:0.0/0

Left: 1634.402+/-705.085 χ^2/NDF: 2.1/2

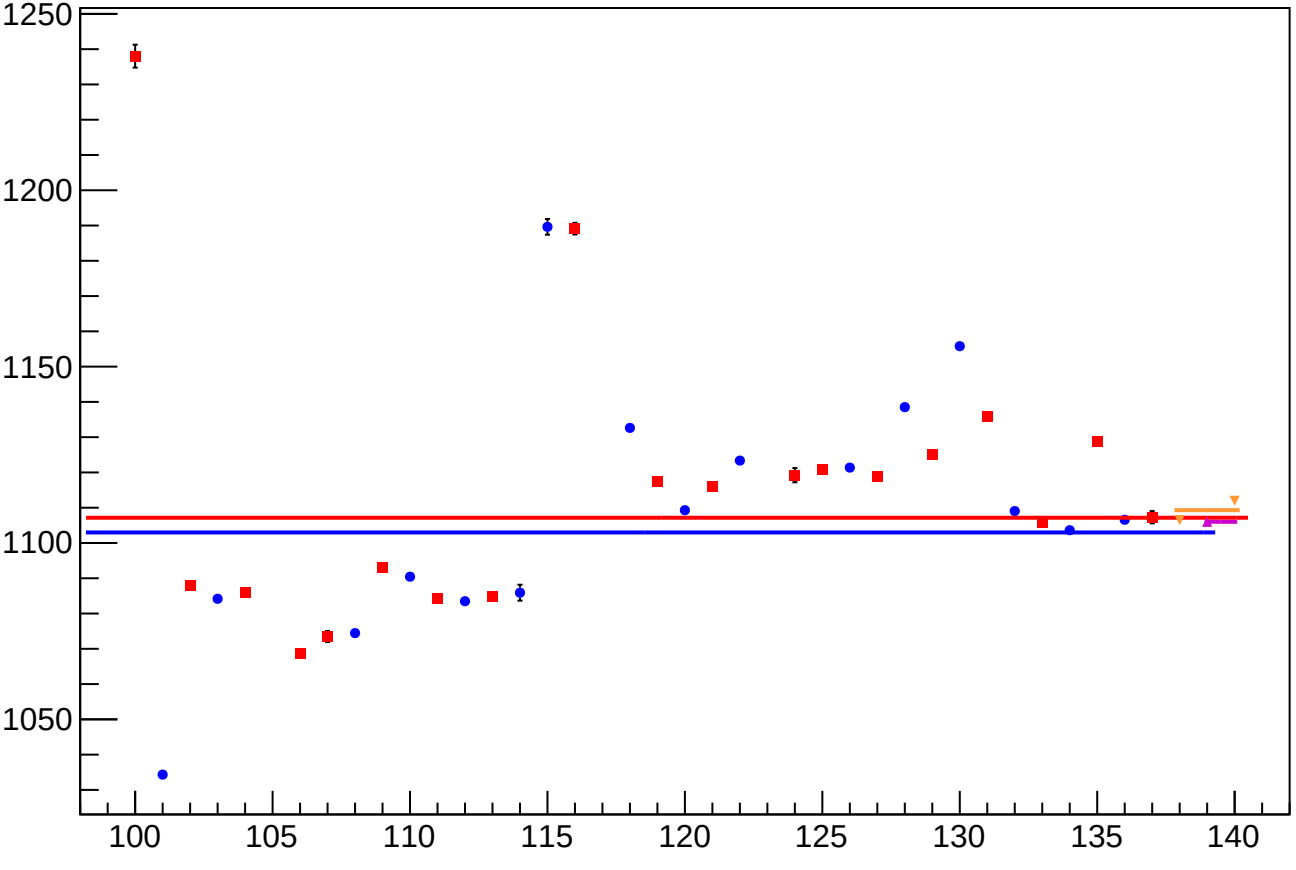
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2695.223+/-387.913 χ^2/NDF:9.7/16

Out: 1945.953+/-366.309 χ^2/NDF:14.9/20

All: 2299.145+/-266.330 χ^2/NDF: 26.5/37

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1109.308+/-0.616 χ^2/NDF:19.9/1

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1106.006+/-0.850 χ^2/NDF:0.0/0

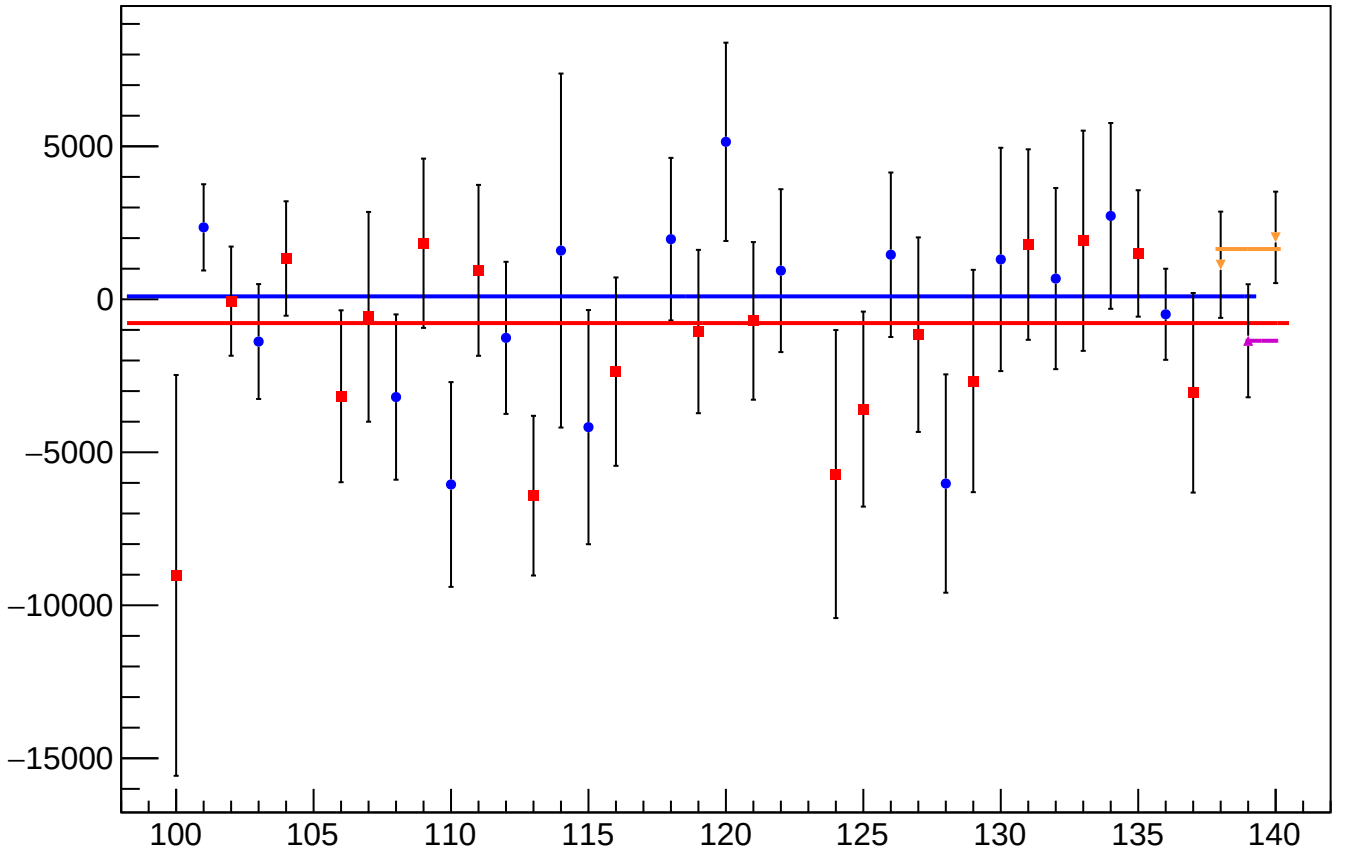
Left: 1108.172+/-0.499 χ^2/NDF: 29.8/2

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1103.302+/-0.274 χ^2/NDF:13235.1/16

Out: 1107.540+/-0.259 χ^2/NDF:8713.3/20

All: 1105.542+/-0.188 χ^2/NDF: 22074.5/37



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1643.362+/-1132.700 χ^2/NDF:0.2/1

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -1355.202+/-1847.237 χ^2/NDF:0.0/0

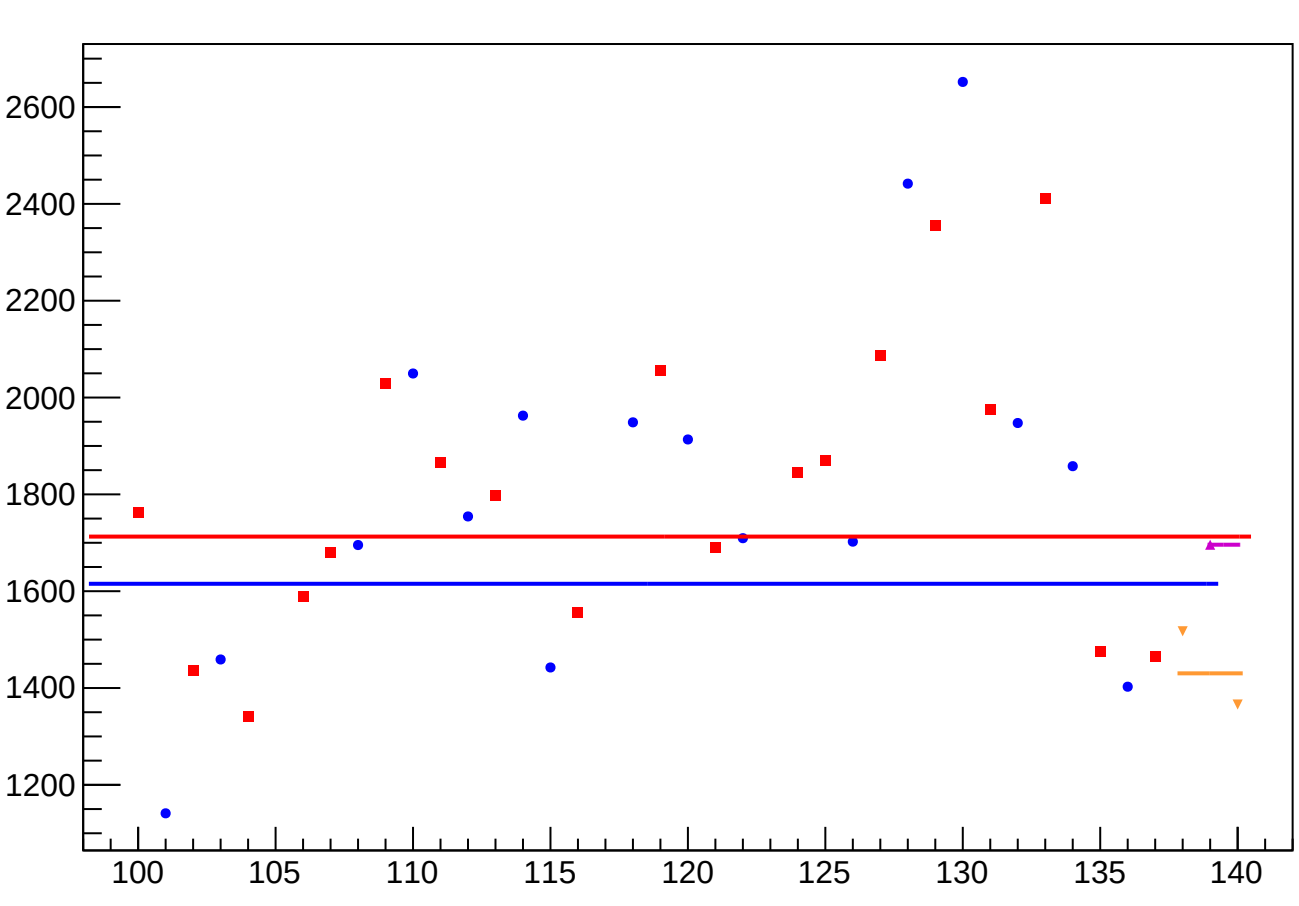
Left: 823.991+/-965.620 χ^2/NDF: 2.1/2

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -50.159+/-586.152 χ^2/NDF:17.5/16

Out: -195.494+/-555.201 χ^2/NDF:18.7/20

All: -126.765+/-403.085 χ^2/NDF: 36.2/37



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1430.312+/-0.801 χ^2/NDF:8719.9/1

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1696.004+/-1.306 χ^2/NDF:0.0/0

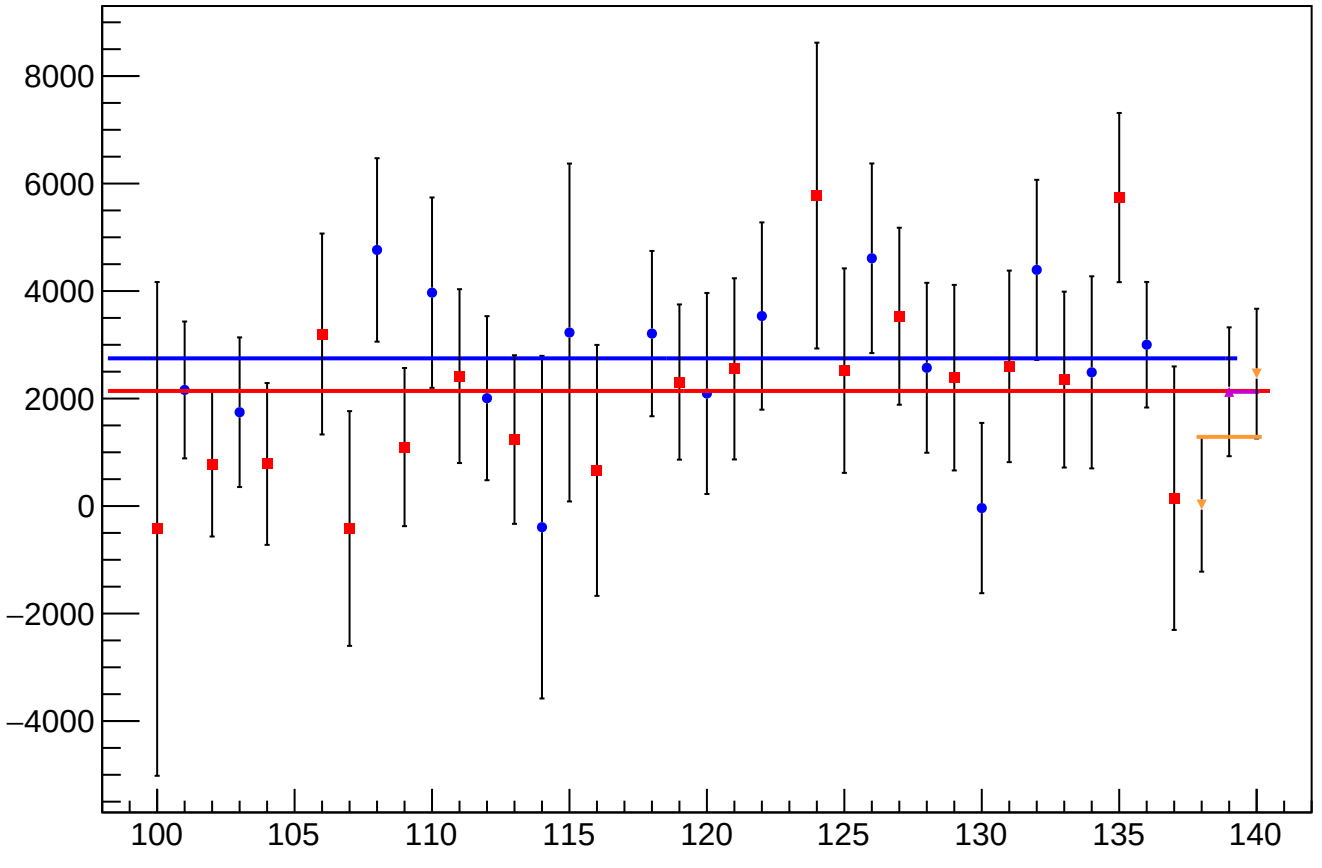
Left: 1502.914+/-0.683 χ^2/NDF: 38789.2/2

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1623.440+/-0.414 χ^2/NDF:697061.7/16

Out: 1644.930+/-0.393 χ^2/NDF:531291.4/20

All: 1634.767+/-0.285 χ^2/NDF: 1229770.1/37



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1287.243+/-867.570 χ^2/NDF:2.0/1

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2125.853+/-1198.784 χ^2/NDF:0.0/0

Left: 1575.495+/-702.825 χ^2/NDF: 2.3/2

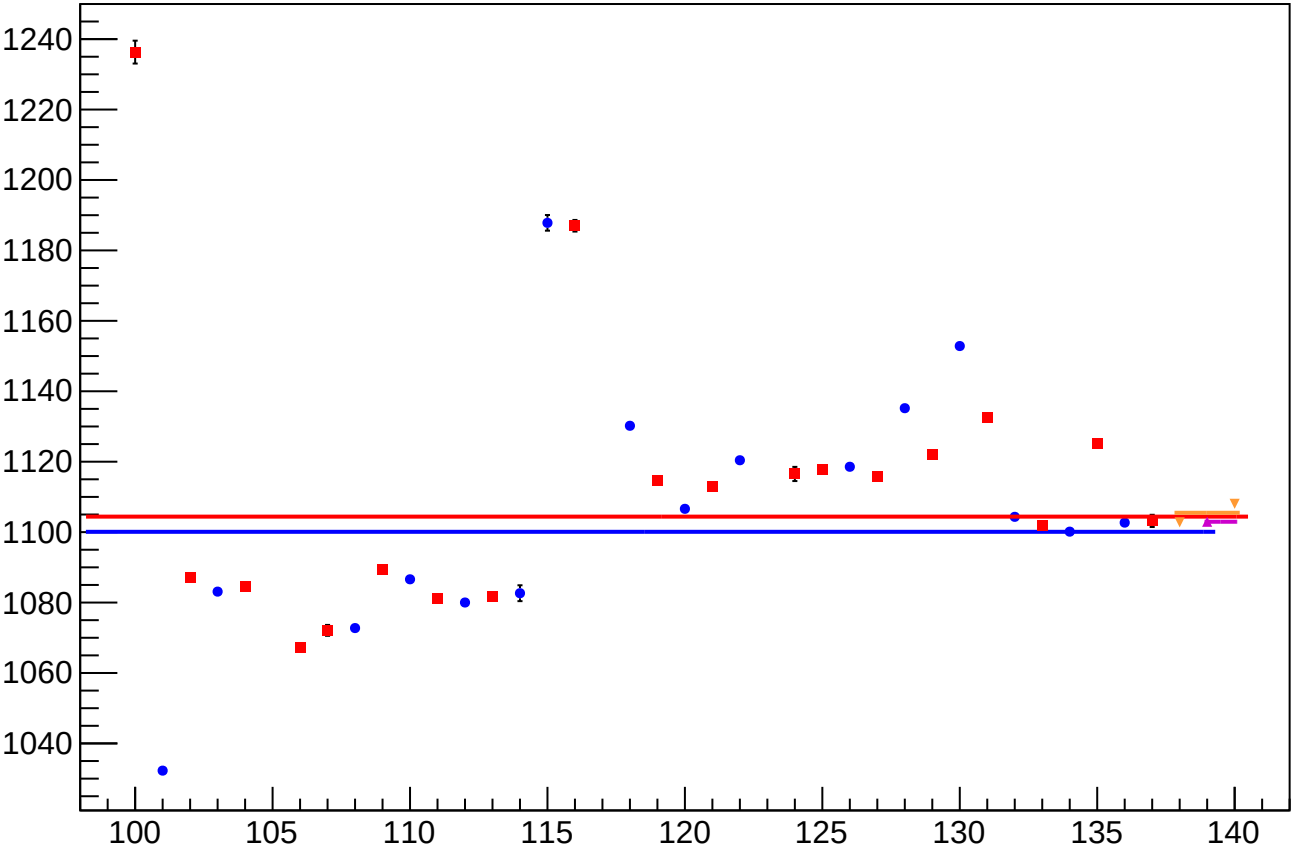
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2683.145+/-386.887 χ^2/NDF:9.7/16

Out: 1989.746+/-365.335 χ^2/NDF:16.3/20

All: 2316.595+/-265.623 χ^2/NDF: 27.8/37

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1105.498+/-0.613 χ^2/NDF:18.4/1

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1102.947+/-0.848 χ^2/NDF:0.0/0

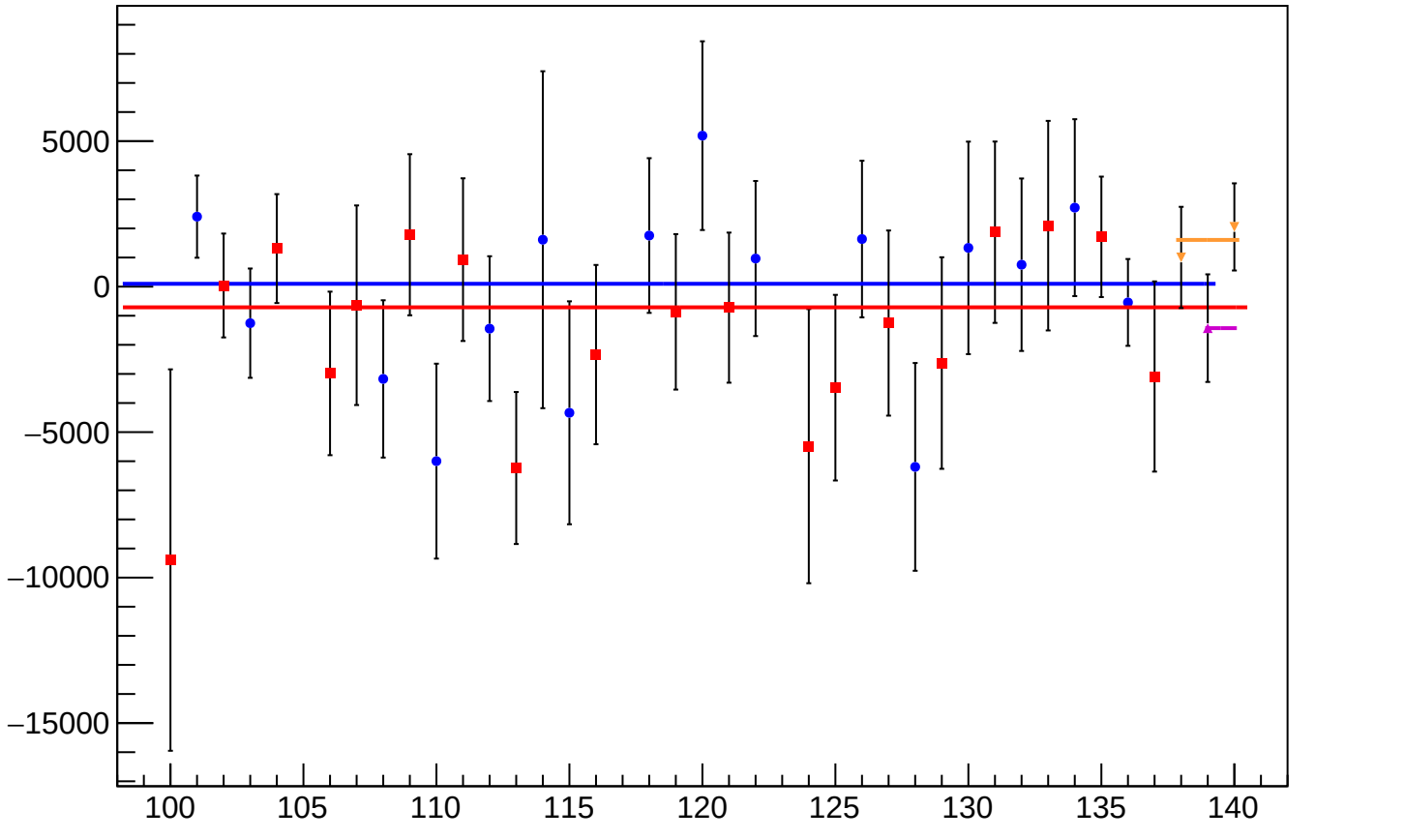
Left: 1104.621+/-0.497 χ^2/NDF: 24.3/2

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1100.388+/-0.274 χ^2/NDF:13087.3/16

Out: 1104.597+/-0.258 χ^2/NDF:8564.5/20

All: 1102.613+/-0.188 χ^2/NDF: 21777.0/37



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1605.348+/-1135.059 χ^2/NDF:0.2/1

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: -1426.706+/-1849.337 χ^2/NDF:0.0/0

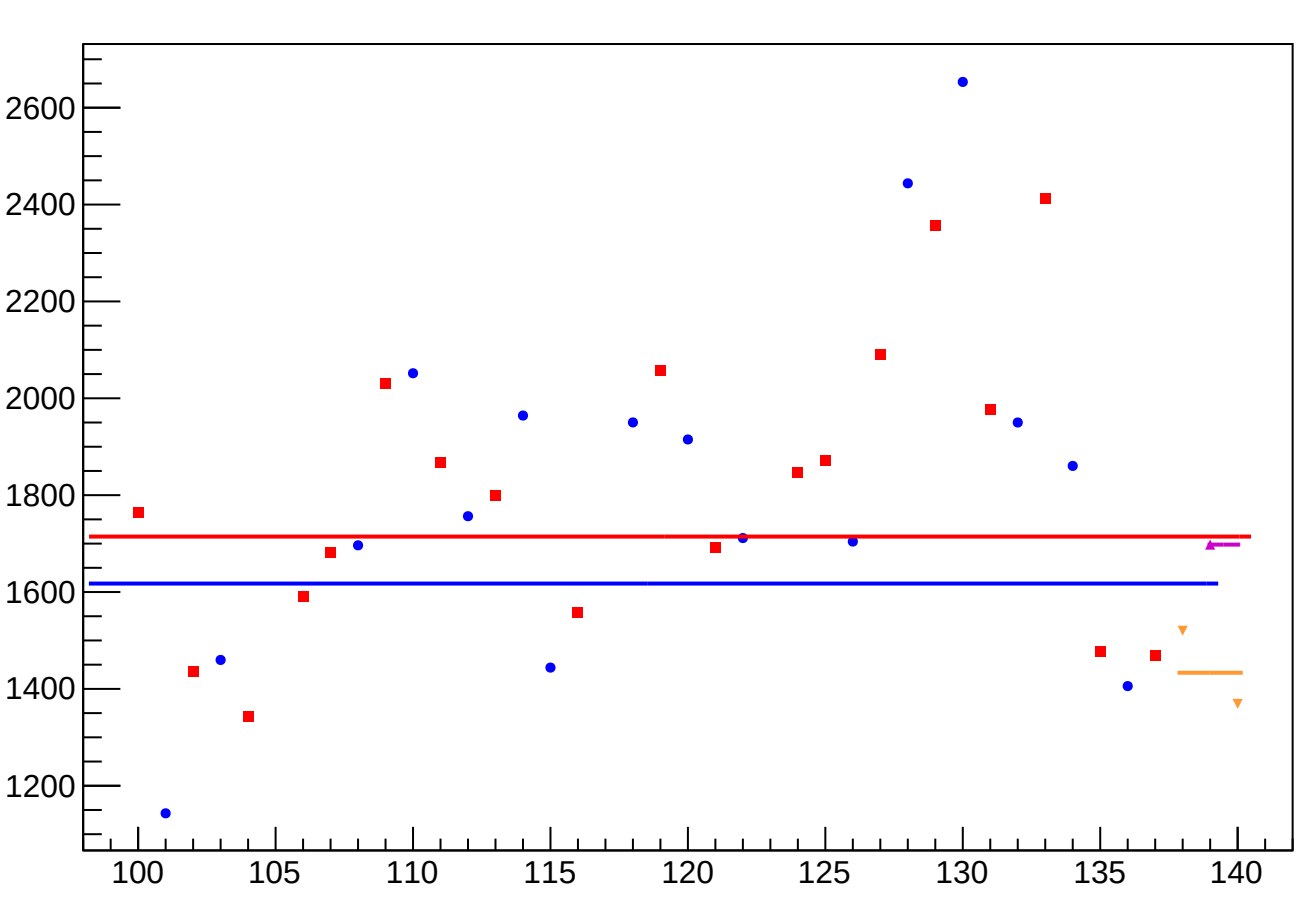
Left: 775.689+/-967.381 χ^2/NDF: 2.2/2

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: -56.062+/-586.886 χ^2/NDF:17.8/16

Out: -155.640+/-555.890 χ^2/NDF:18.3/20

All: -108.550+/-403.587 χ^2/NDF: 36.2/37



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1433.360+/-0.803 χ^2/NDF:8651.0/1

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1697.927+/-1.308 χ^2/NDF:0.0/0

Left: 1505.753+/-0.684 χ^2/NDF: 38383.3/2

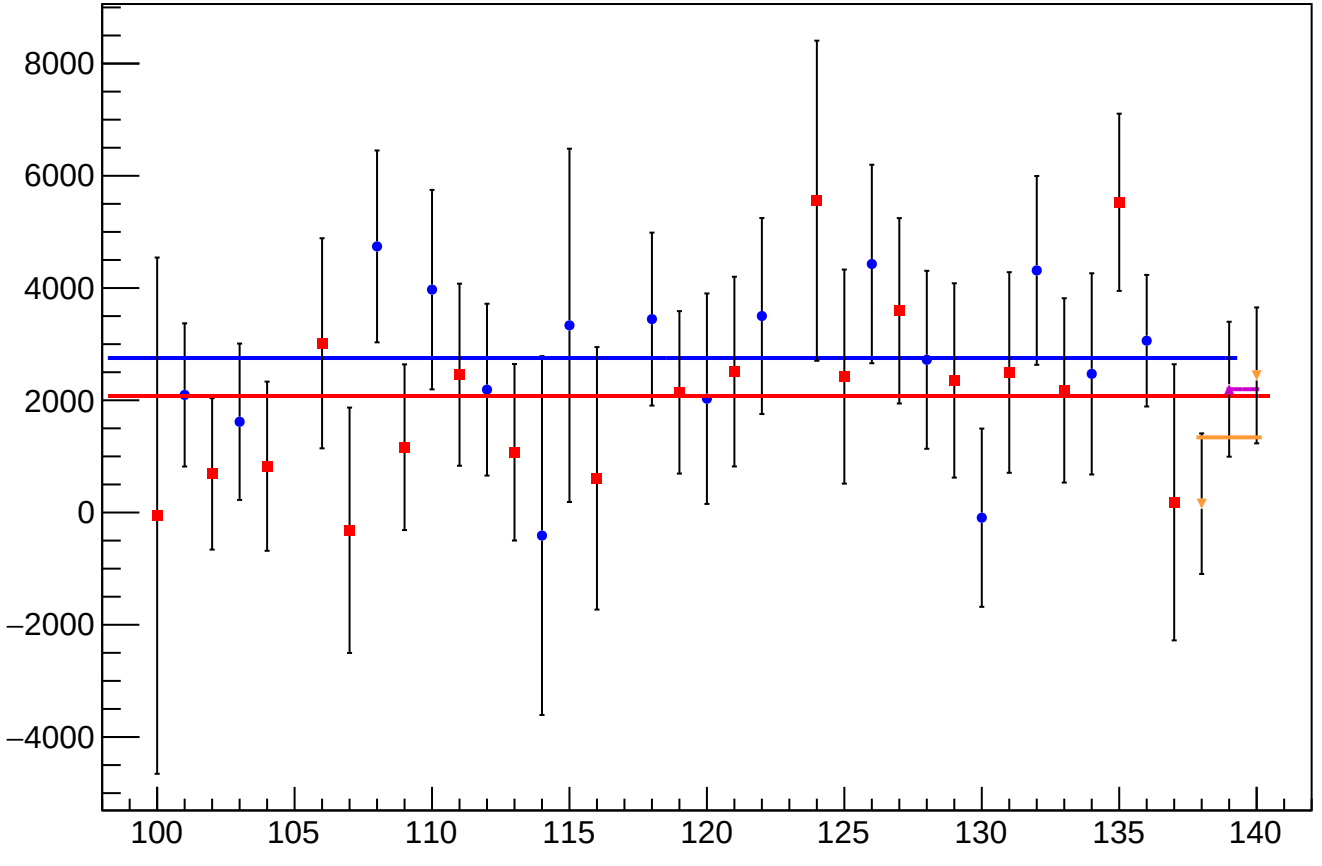
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1625.592+/-0.415 χ^2/NDF:695127.8/16

Out: 1647.074+/-0.393 χ^2/NDF:529635.1/20

All: 1636.915+/-0.285 χ^2/NDF: 1226175.4/37

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1339.291+/-870.562 χ^2/NDF:1.7/1

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2197.094+/-1202.107 χ^2/NDF:0.0/0

Left: 1634.402+/-705.085 χ^2/NDF: 2.1/2

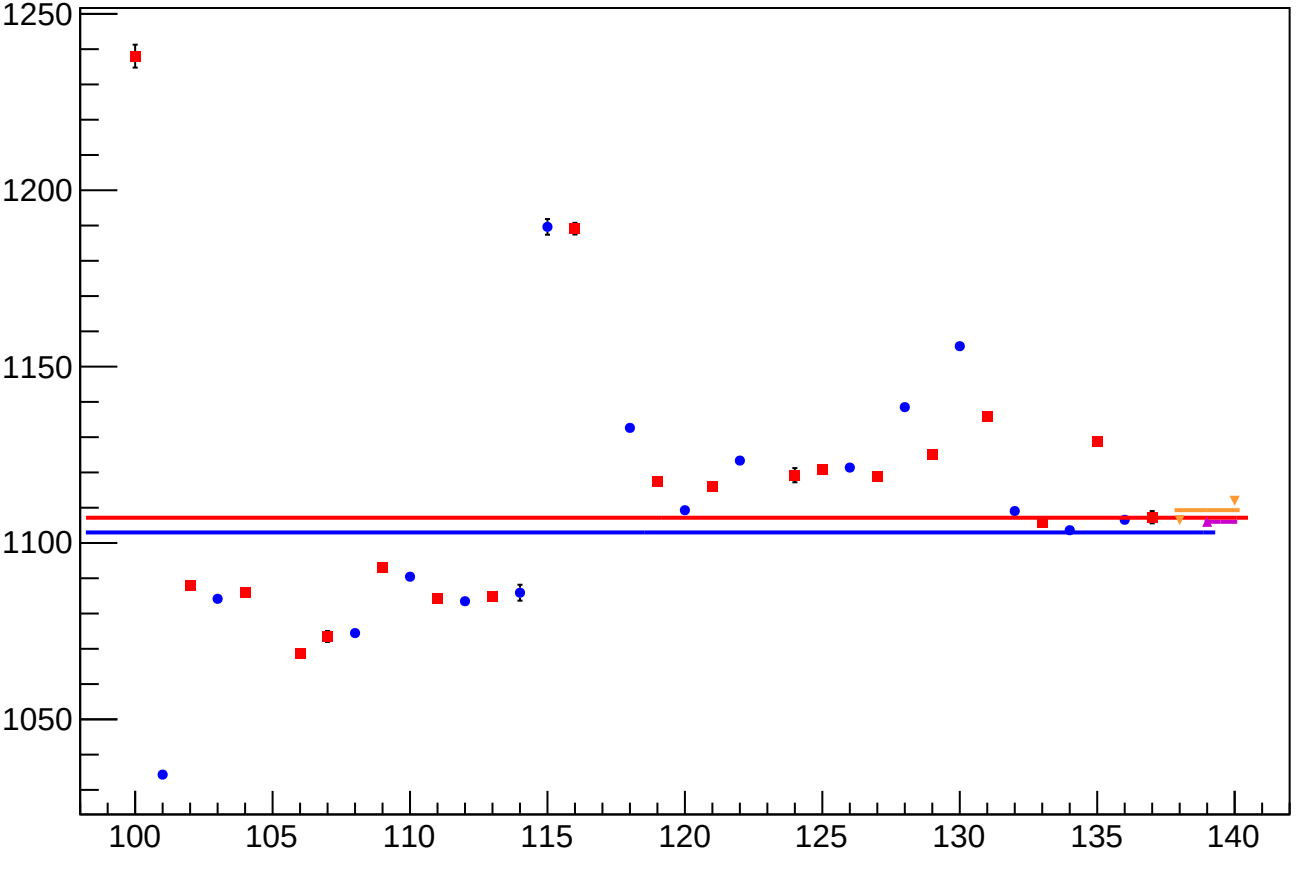
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2695.223+/-387.913 χ^2/NDF:9.7/16

Out: 1945.953+/-366.309 χ^2/NDF:14.9/20

All: 2299.145+/-266.330 χ^2/NDF: 26.5/37

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1109.308+/-0.616 χ^2/NDF:19.9/1

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1106.006+/-0.850 χ^2/NDF:0.0/0

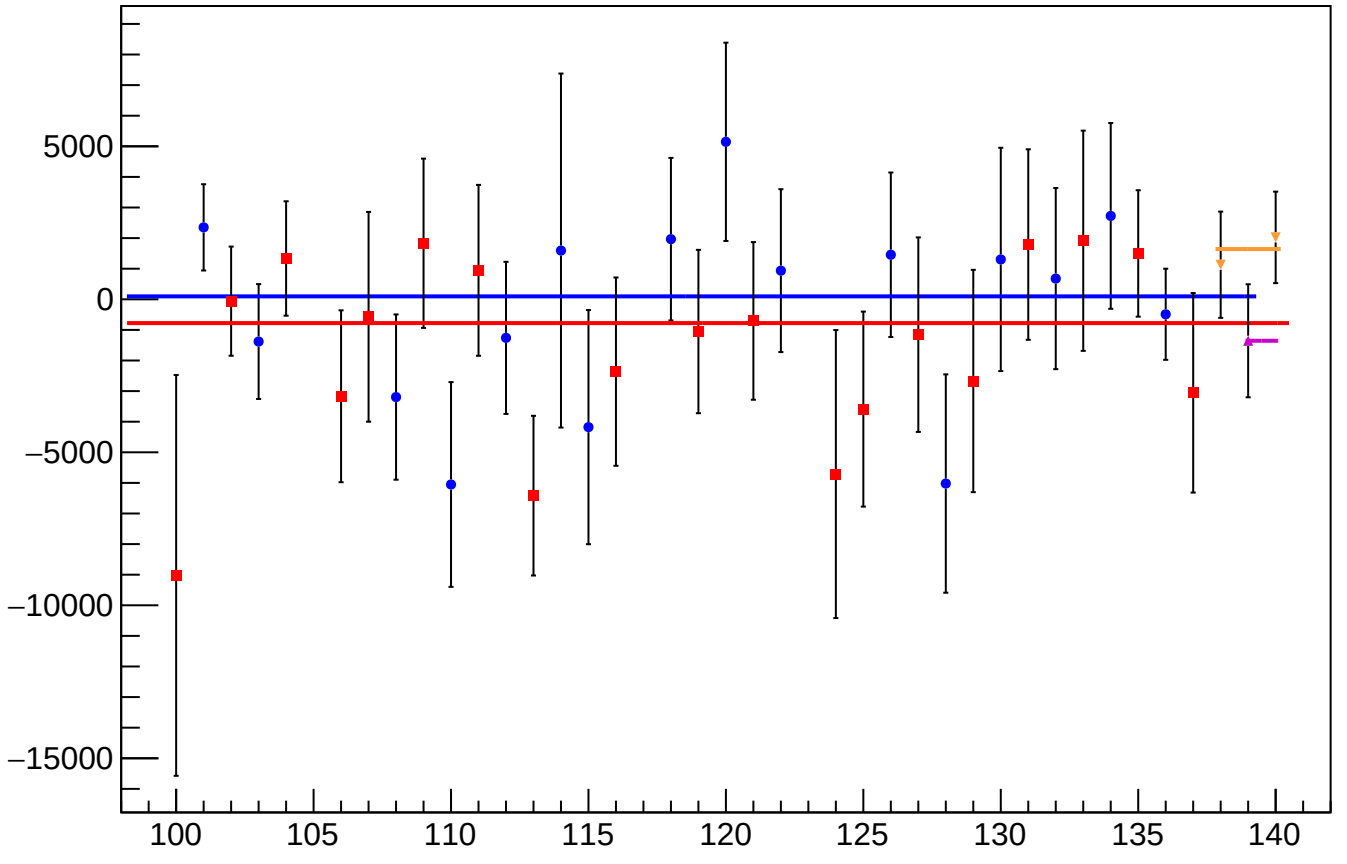
Left: 1108.172+/-0.499 χ^2/NDF: 29.8/2

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1103.302+/-0.274 χ^2/NDF:13235.1/16

Out: 1107.540+/-0.259 χ^2/NDF:8713.3/20

All: 1105.542+/-0.188 χ^2/NDF: 22074.5/37



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1643.362+/-1132.700 χ^2/NDF:0.2/1

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -1355.202+/-1847.237 χ^2/NDF:0.0/0

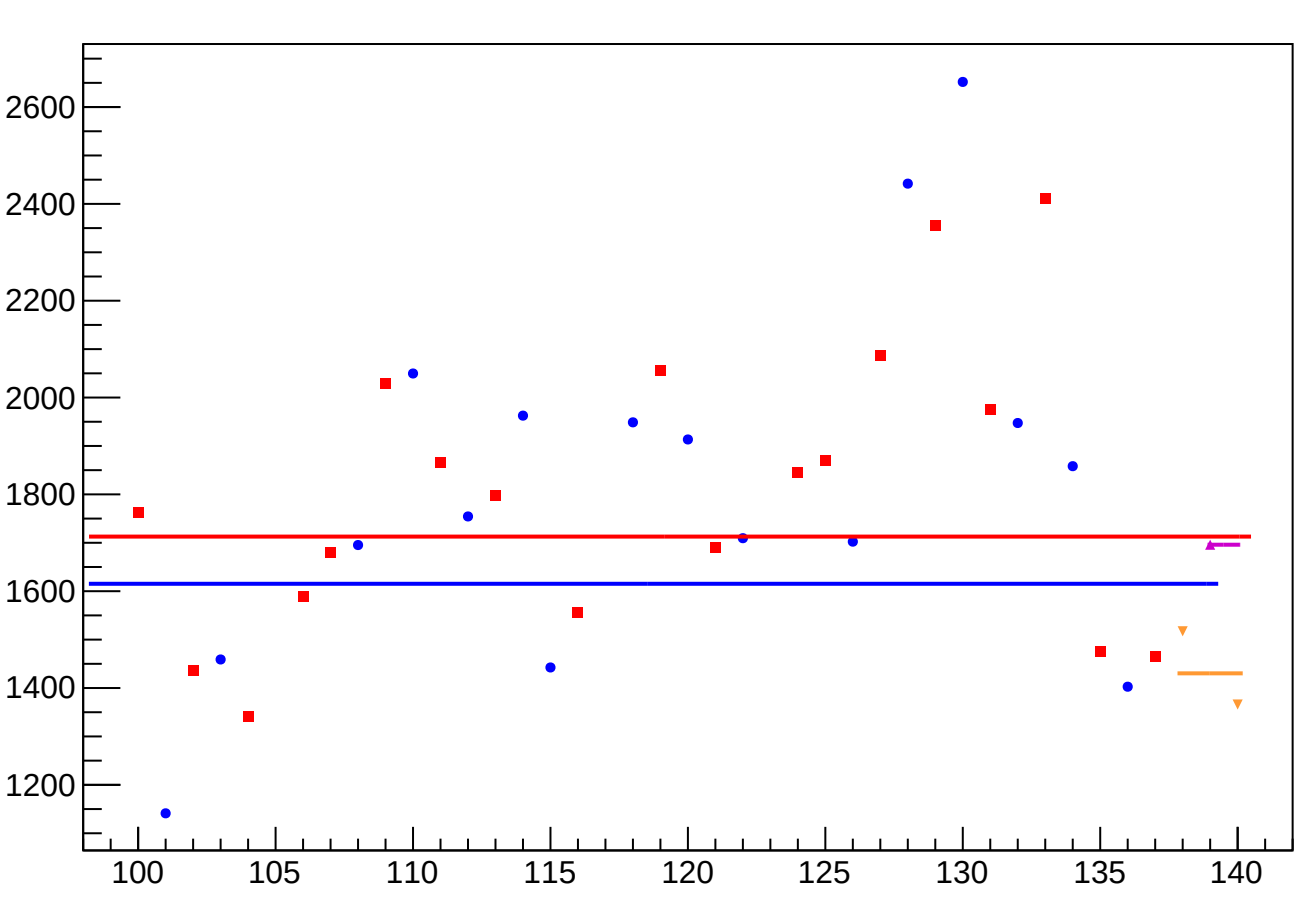
Left: 823.991+/-965.620 χ^2/NDF: 2.1/2

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -50.159+/-586.152 χ^2/NDF:17.5/16

Out: -195.494+/-555.201 χ^2/NDF:18.7/20

All: -126.765+/-403.085 χ^2/NDF: 36.2/37



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1430.312+/-0.801 χ^2/NDF:8719.9/1

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1696.004+/-1.306 χ^2/NDF:0.0/0

Left: 1502.914+/-0.683 χ^2/NDF: 38789.2/2

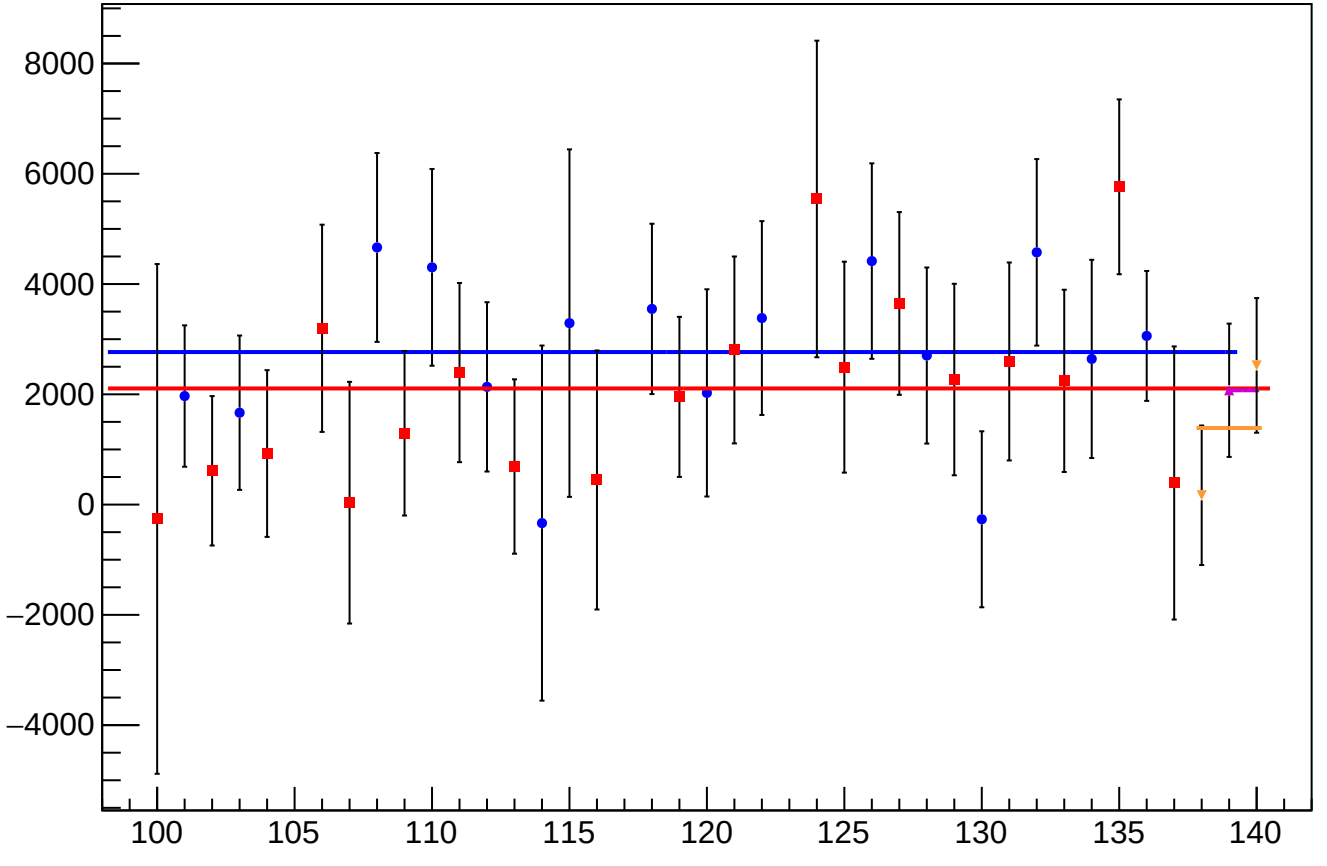
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1623.440+/-0.414 χ^2/NDF:697061.7/16

Out: 1644.930+/-0.393 χ^2/NDF:531291.4/20

All: 1634.767+/-0.285 χ^2/NDF: 1229770.1/37

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1388.730+/-878.593 χ^2/NDF:1.8/1

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2073.452+/-1208.801 χ^2/NDF:0.0/0

Left: 1625.418+/-710.700 χ^2/NDF: 2.0/2

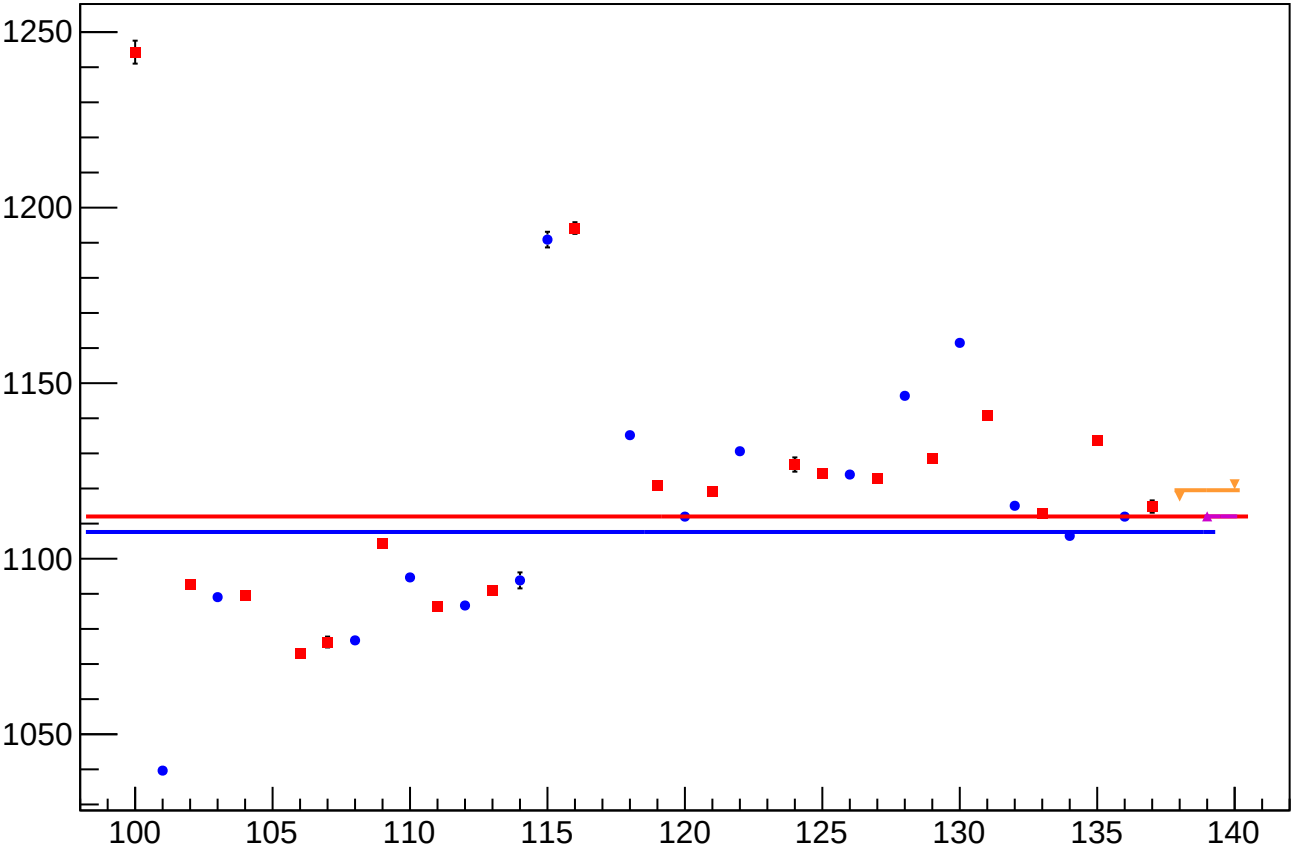
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2694.647+/-389.600 χ^2/NDF:10.6/16

Out: 1980.294+/-368.243 χ^2/NDF:15.7/20

All: 2317.354+/-267.619 χ^2/NDF: 28.1/37

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1119.510+/-0.621 χ^2/NDF:7.8/1

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1112.066+/-0.855 χ^2/NDF:0.0/0

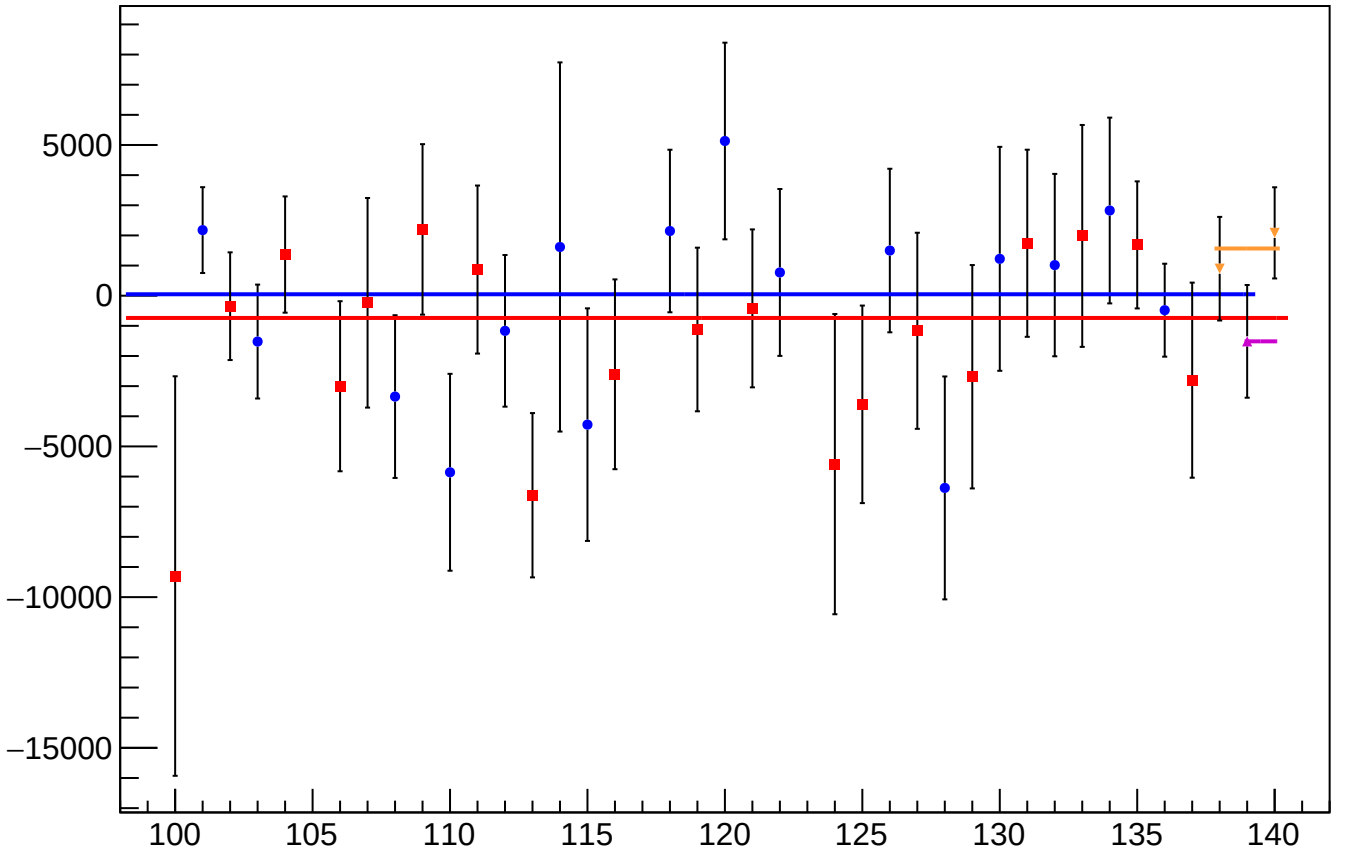
Left: 1116.937+/-0.503 χ^2/NDF: 57.5/2

Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1108.076+/-0.275 χ^2/NDF:13245.1/16

Out: 1113.343+/-0.260 χ^2/NDF:8780.8/20

All: 1110.858+/-0.189 χ^2/NDF: 22219.0/37



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1566.021+/-1135.387 χ^2/NDF:0.3/1

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: -1514.303+/-1869.941 χ^2/NDF:0.0/0

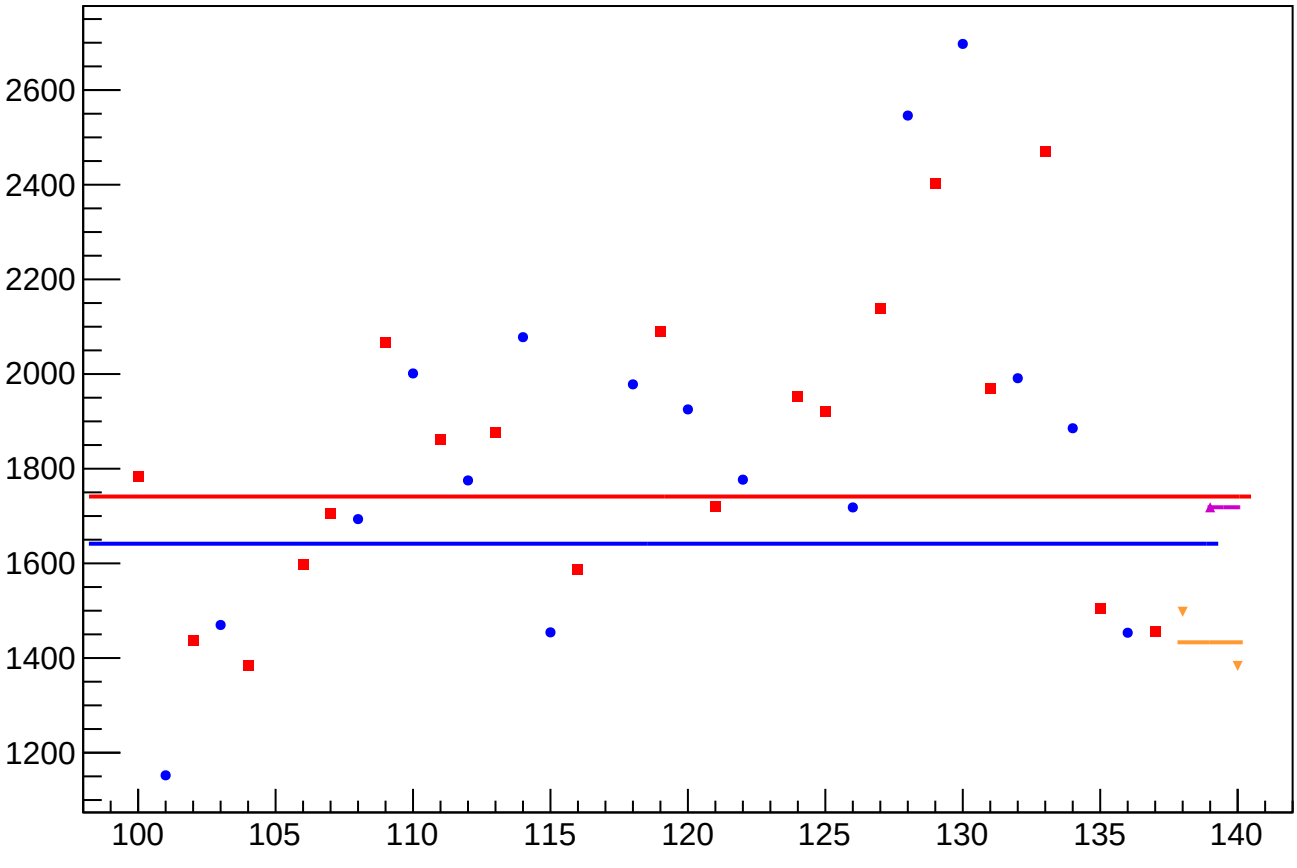
Left: 736.302+/-970.499 χ^2/NDF: 2.3/2

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: -110.541+/-595.375 χ^2/NDF:17.5/16

Out: -172.310+/-562.657 χ^2/NDF:18.3/20

All: -143.169+/-408.936 χ^2/NDF: 35.8/37



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1433.238+/-0.803 χ^2/NDF:5000.0/1

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1718.541+/-1.322 χ^2/NDF:0.0/0

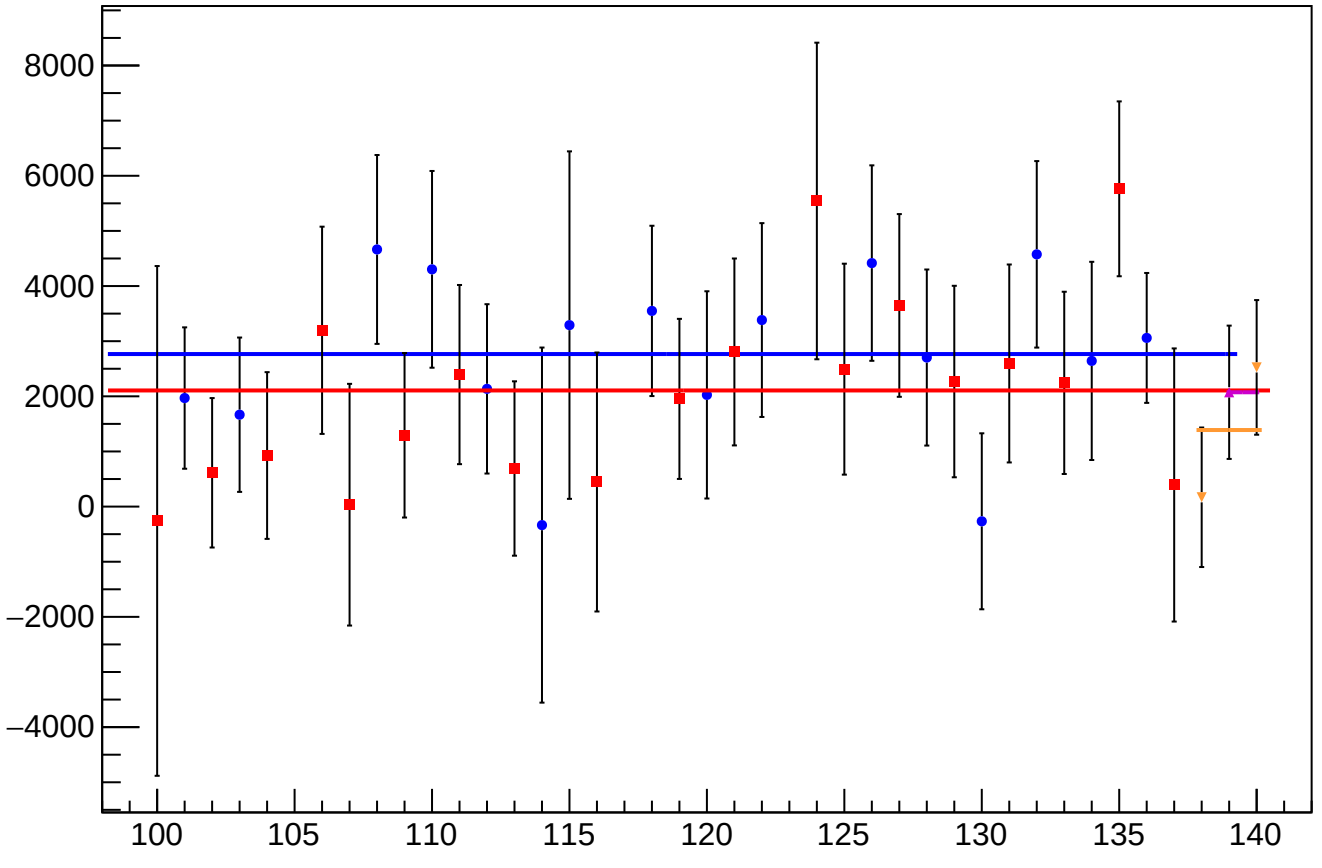
Left: 1510.088+/-0.686 χ^2/NDF: 39016.4/2

Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1649.344+/-0.421 χ^2/NDF:704359.1/16

Out: 1665.570+/-0.398 χ^2/NDF:554342.6/20

All: 1657.915+/-0.289 χ^2/NDF: 1259486.4/37



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1388.732+/-878.593 χ^2/NDF:1.8/1

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2073.444+/-1208.801 χ^2/NDF:0.0/0

Left: 1625.416+/-710.700 χ^2/NDF: 2.0/2

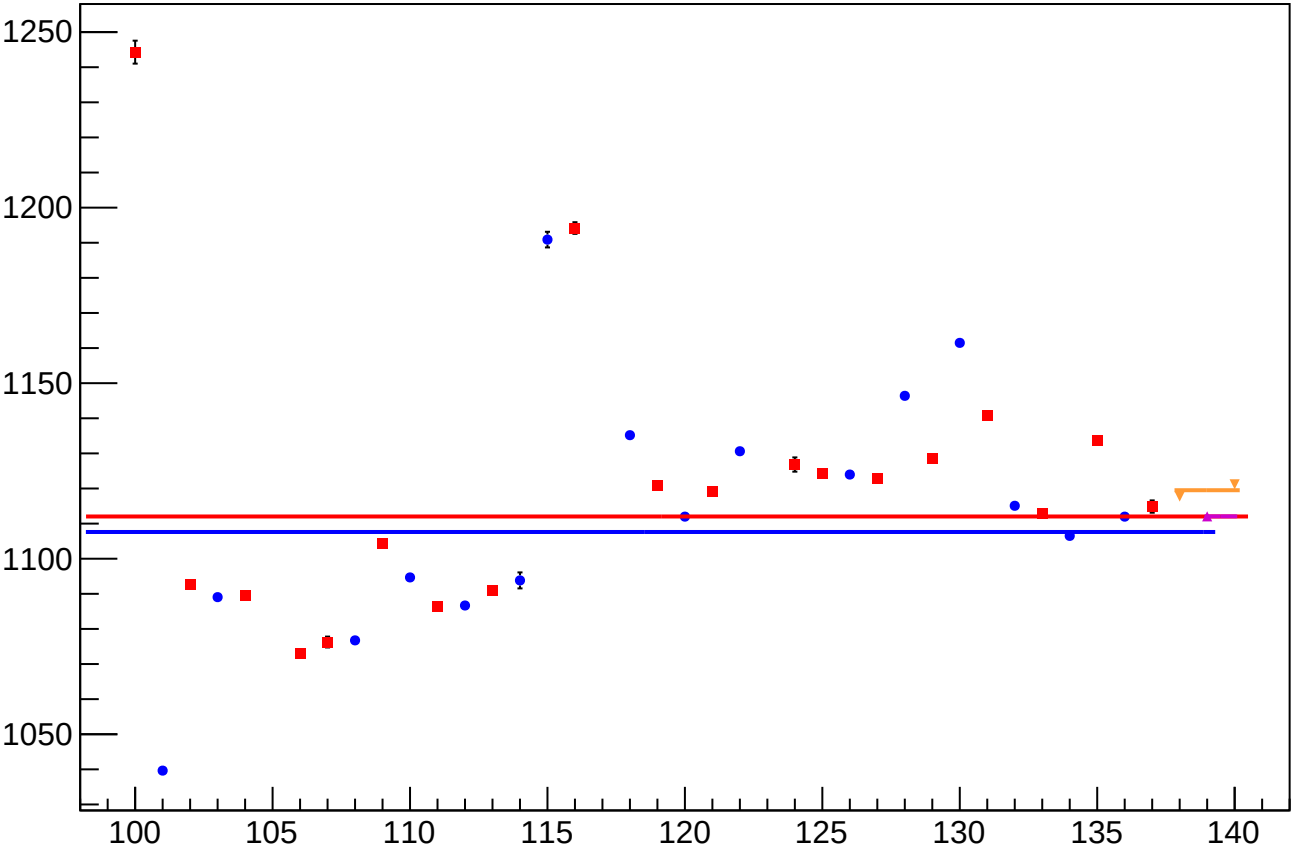
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2694.645+/-389.600 χ^2/NDF:10.6/16

Out: 1980.296+/-368.242 χ^2/NDF:15.7/20

All: 2317.354+/-267.619 χ^2/NDF: 28.1/37

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1119.510+/-0.621 χ^2/NDF:7.8/1

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1112.066+/-0.855 χ^2/NDF:0.0/0

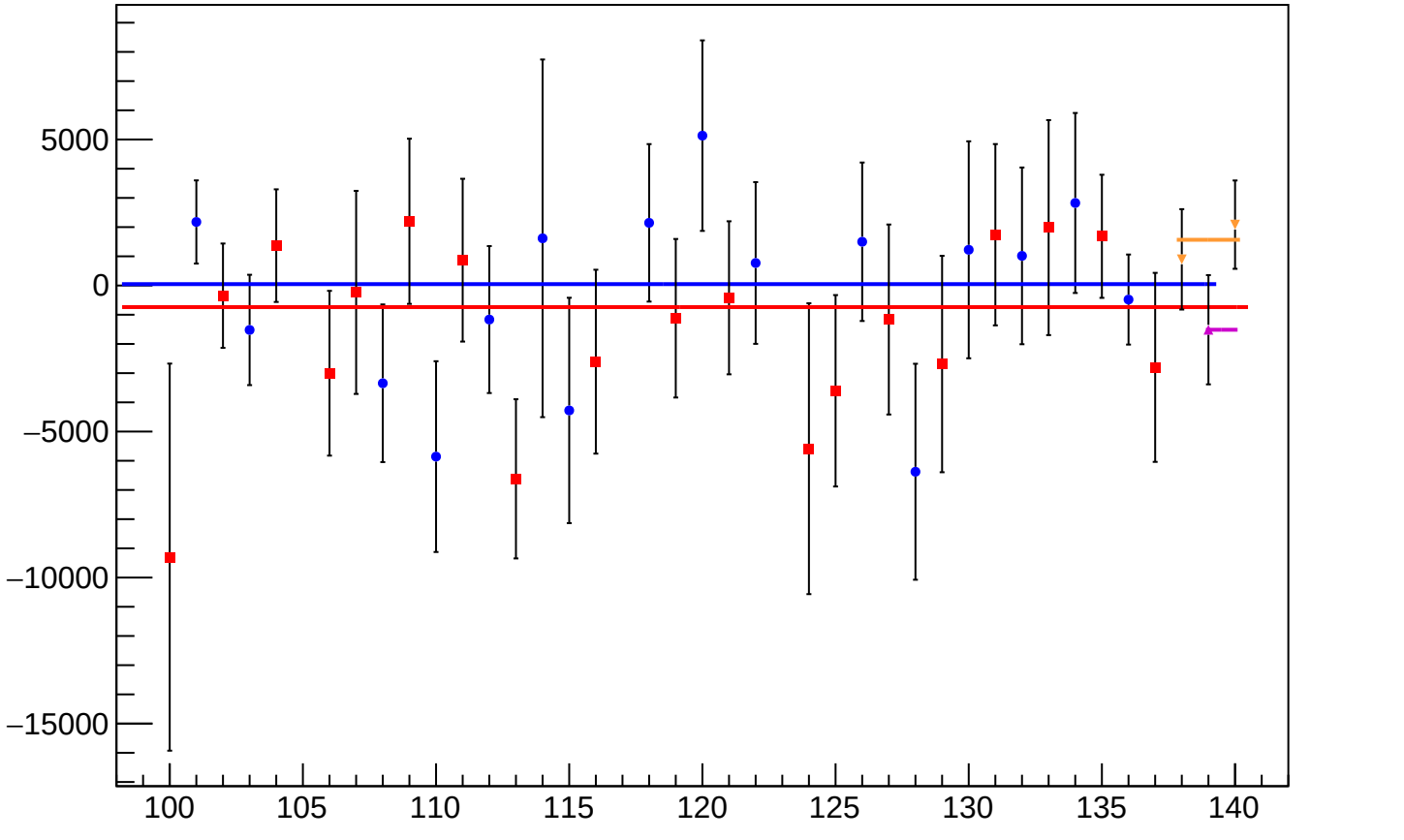
Left: 1116.937+/-0.503 χ^2/NDF: 57.5/2

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1108.076+/-0.275 χ^2/NDF:13245.0/16

Out: 1113.343+/-0.260 χ^2/NDF:8780.8/20

All: 1110.858+/-0.189 χ^2/NDF: 22218.9/37



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1566.025+/-1135.390 χ^2/NDF:0.3/1

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: -1514.310+/-1869.950 χ^2/NDF:0.0/0

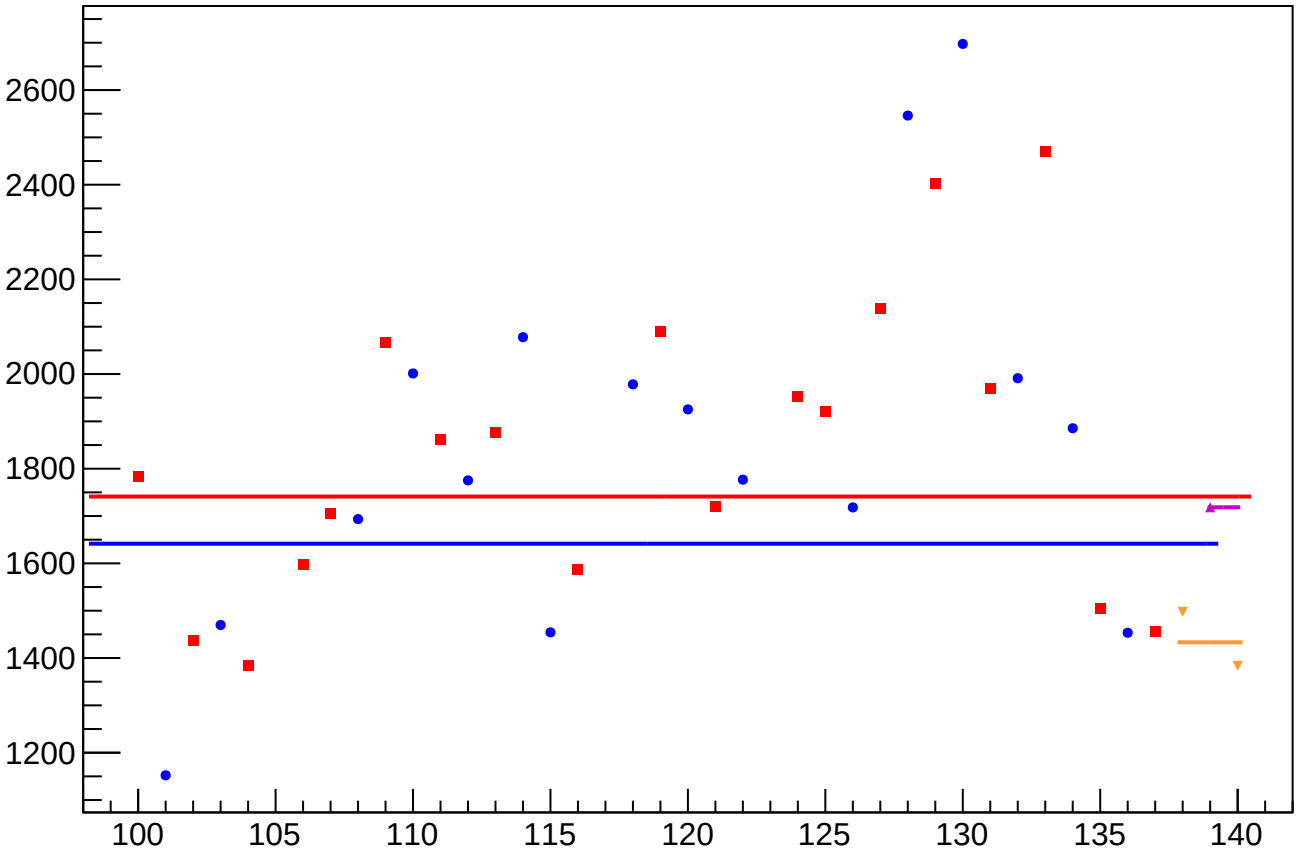
Left: 736.305+/-970.503 χ^2/NDF: 2.3/2

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: -110.544+/-595.375 χ^2/NDF:17.5/16

Out: -172.315+/-562.656 χ^2/NDF:18.3/20

All: -143.173+/-408.936 χ^2/NDF: 35.8/37



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1433.243+/-0.803 χ^2/NDF:5000.3/1

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1718.549+/-1.322 χ^2/NDF:0.0/0

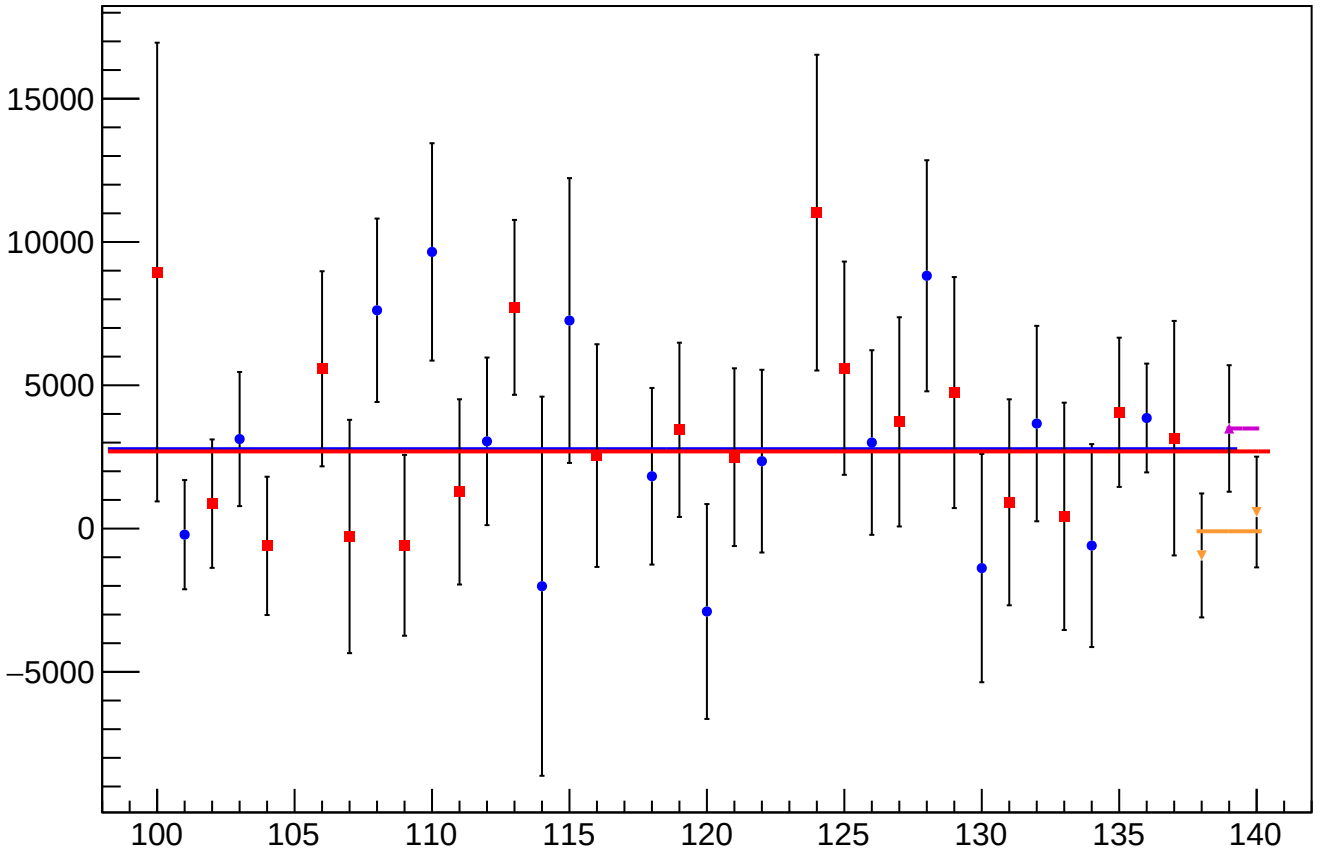
Left: 1510.093+/-0.686 χ^2/NDF: 39017.3/2

Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1649.343+/-0.421 χ^2/NDF:704347.6/16

Out: 1665.570+/-0.398 χ^2/NDF:554326.0/20

All: 1657.915+/-0.289 χ^2/NDF: 1259458.4/37



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: -94.325+/-1440.666 χ^2/NDF:0.3/1

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 3492.726+/-2207.329 χ^2/NDF:0.0/0

Left: 977.233+/-1206.441 χ^2/NDF: 2.1/2

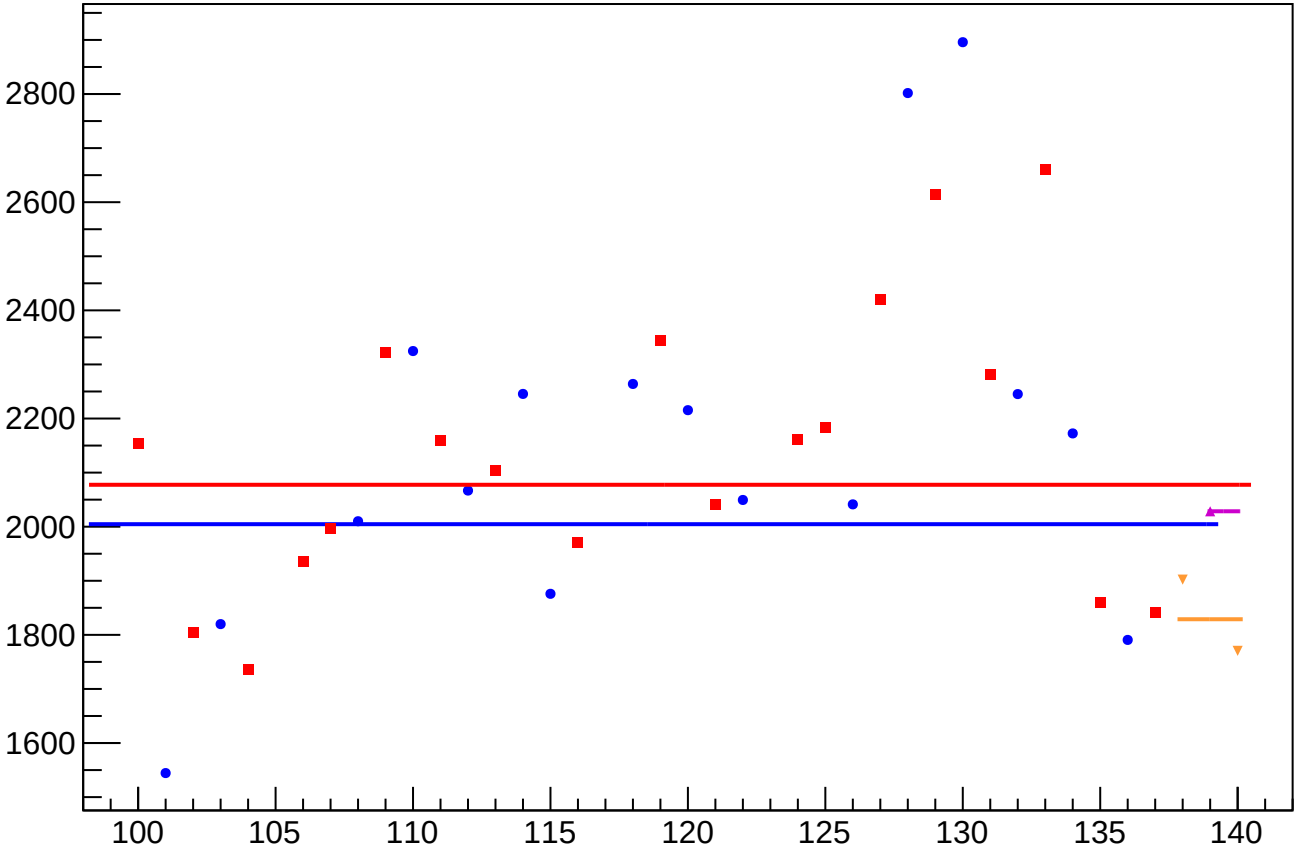
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2846.034+/-716.153 χ^2/NDF:16.5/16

Out: 2078.699+/-676.171 χ^2/NDF:15.7/20

All: 2440.350+/-491.653 χ^2/NDF: 32.9/37

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1828.885+/-1.019 χ^2/NDF:4125.4/1

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 2028.500+/-1.561 χ^2/NDF:0.0/0

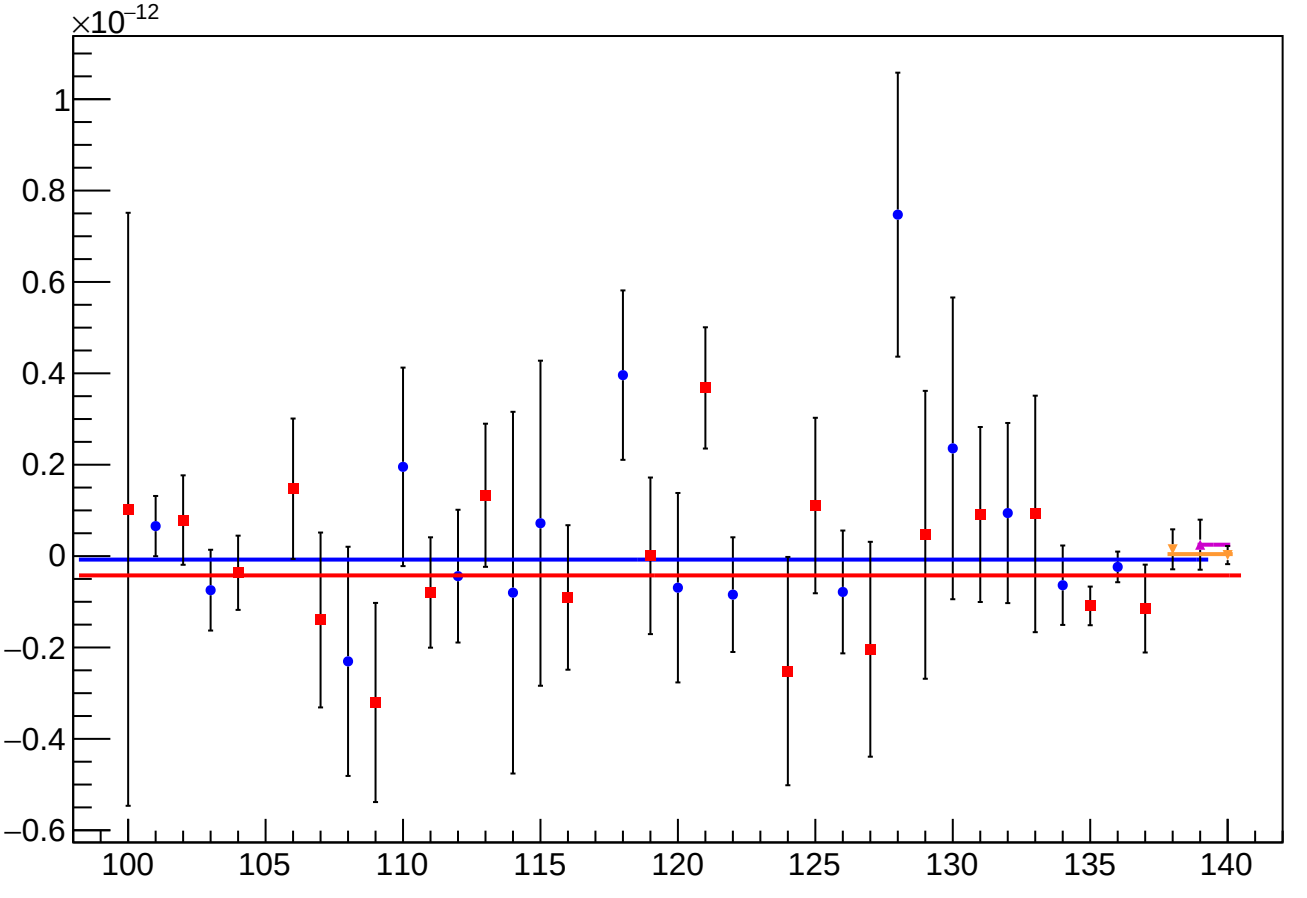
Left: 1888.516+/-0.853 χ^2/NDF: 15595.5/2

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 2007.147+/-0.506 χ^2/NDF:387776.5/16

Out: 2022.734+/-0.478 χ^2/NDF:281047.7/20

All: 2015.388+/-0.348 χ^2/NDF: 669325.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

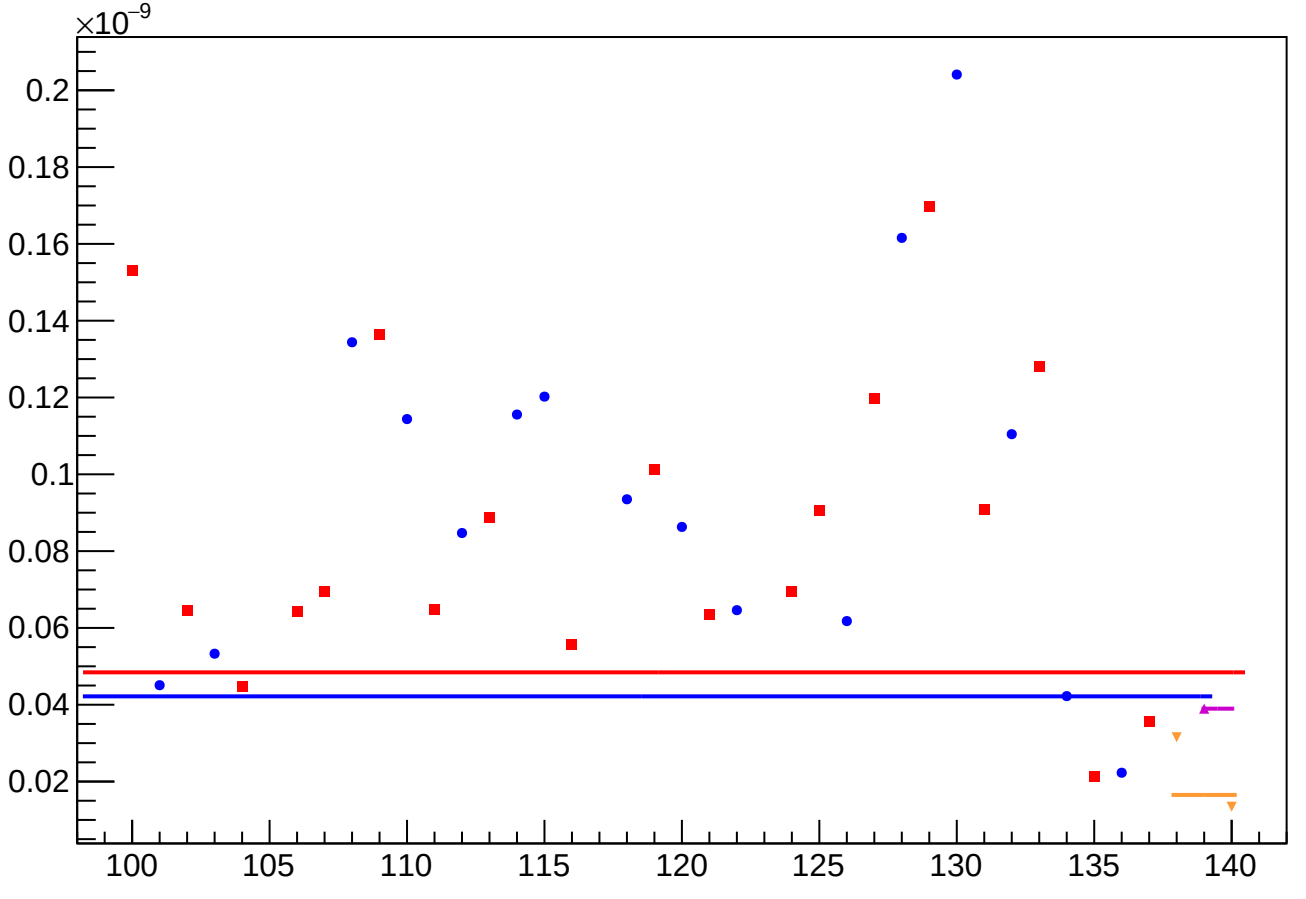
Left: 0.000+/-0.000 χ^2/NDF: 0.2/2

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:16.7/16

Out: -0.000+/-0.000 χ^2/NDF:23.9/20

All: -0.000+/-0.000 χ^2/NDF: 40.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:283619.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

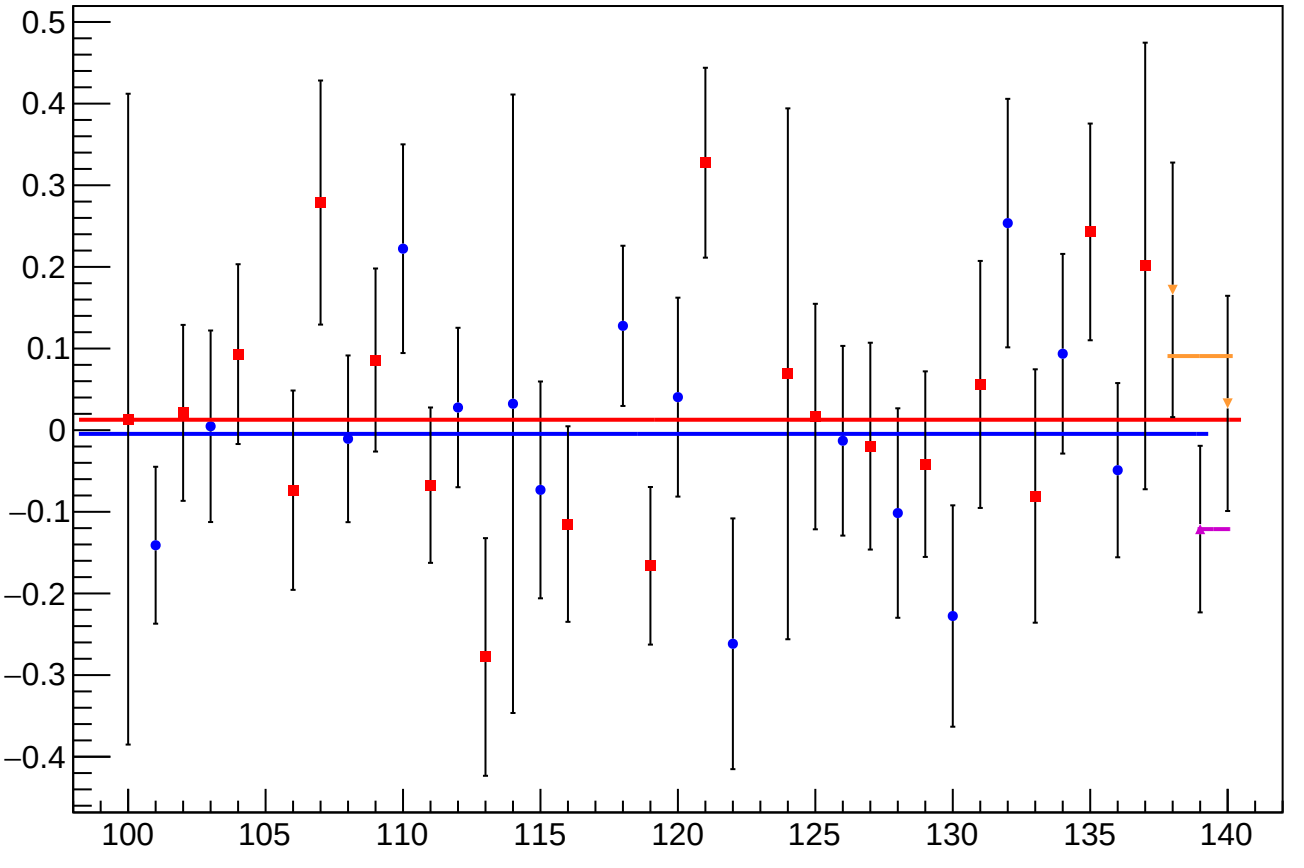
Left: 0.000+/-0.000 χ^2/NDF: 587203.2/2

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:2939274.8/16

Out: 0.000+/-0.000 χ^2/NDF:4819506.0/20

All: 0.000+/-0.000 χ^2/NDF: 8410648.4/37



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.091+/-0.101 χ^2/NDF:0.5/1

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.121+/-0.102 χ^2/NDF:0.0/0

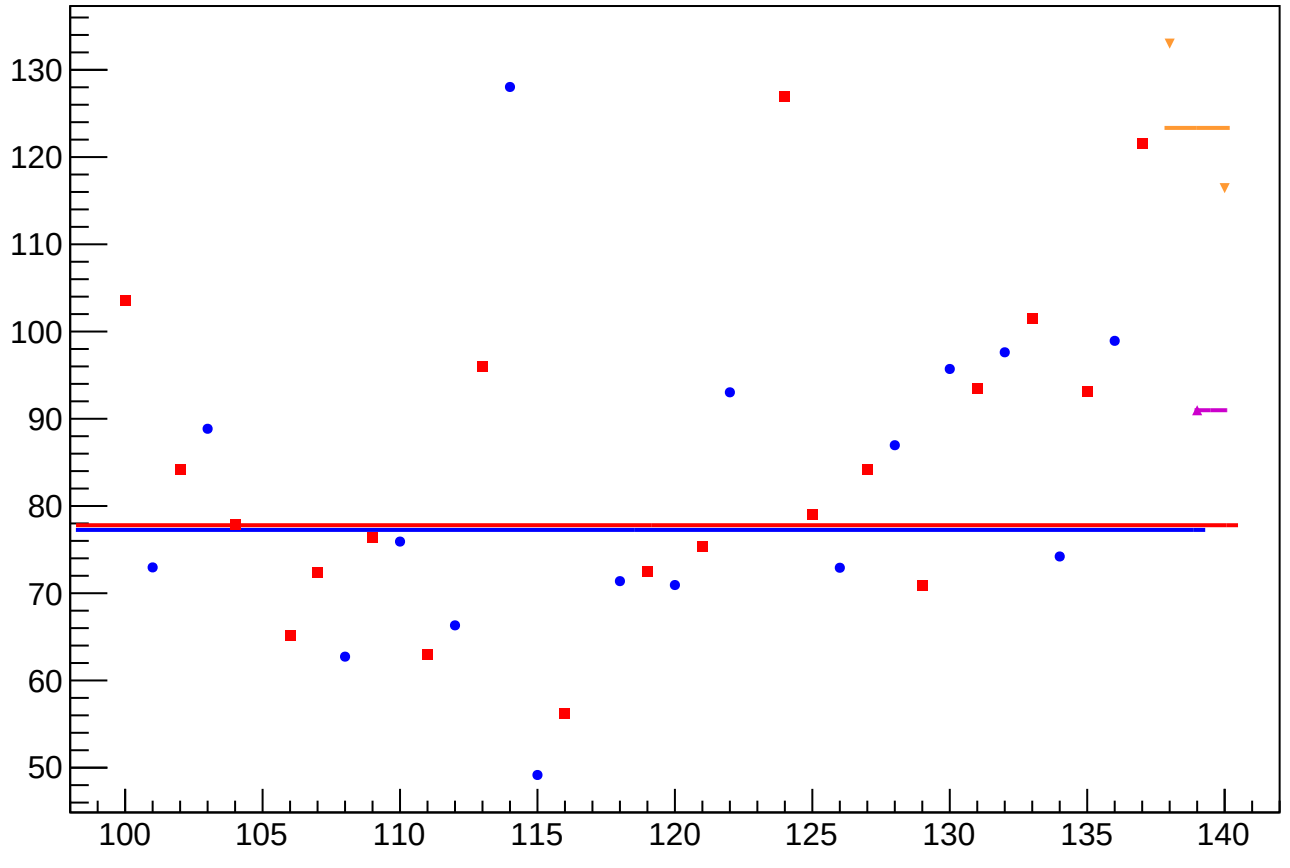
Left: -0.014+/-0.072 χ^2/NDF: 2.7/2

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.014+/-0.029 χ^2/NDF:18.5/16

Out: 0.019+/-0.029 χ^2/NDF:26.5/20

All: 0.003+/-0.020 χ^2/NDF: 45.6/37



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 123.343+/-0.071 χ^2/NDF:13172.3/1

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 90.979+/-0.072 χ^2/NDF:0.0/0

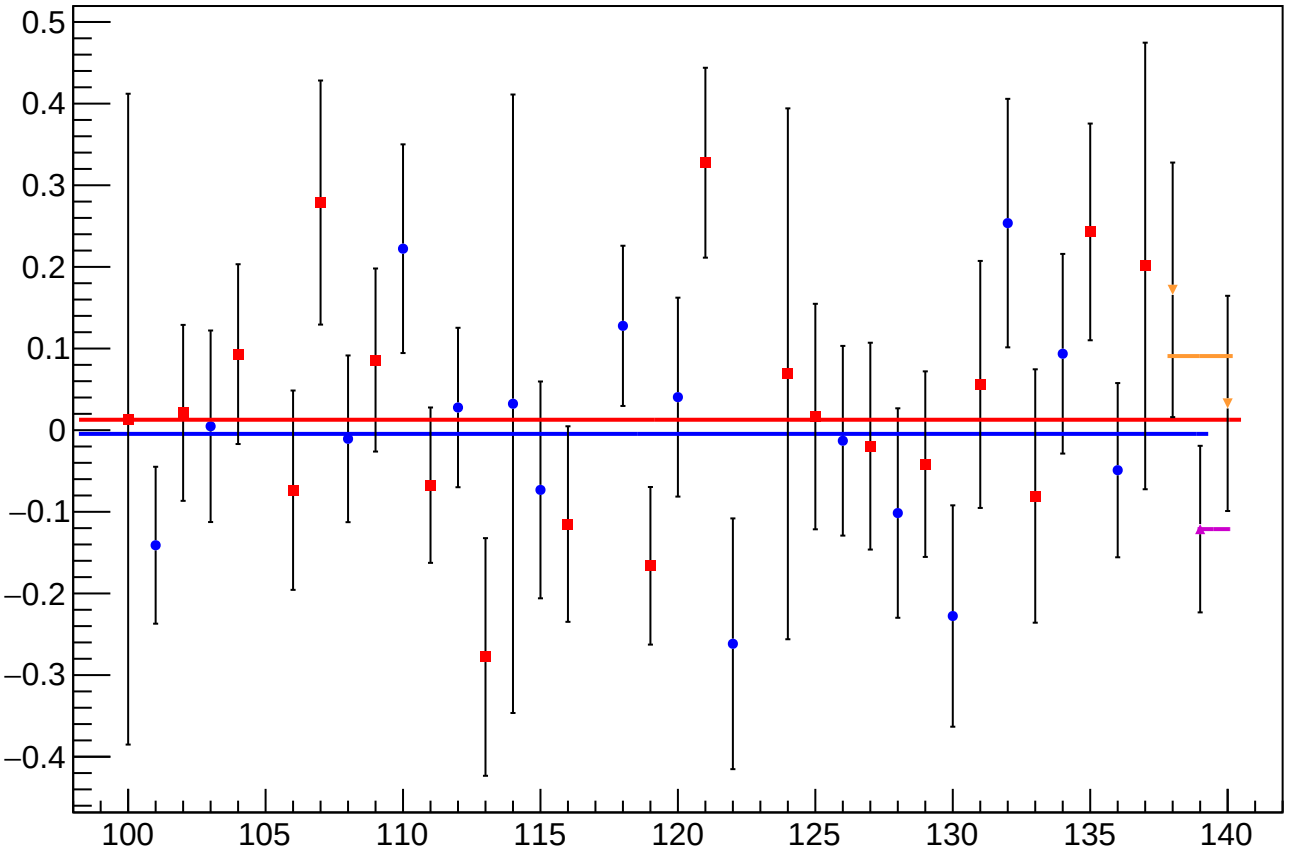
Left: 107.379+/-0.051 χ^2/NDF: 115168.0/2

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.354+/-0.020 χ^2/NDF:452579.0/16

Out: 81.450+/-0.020 χ^2/NDF:786332.2/20

All: 79.919+/-0.014 χ^2/NDF: 1250570.9/37



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.091+/-0.101 χ^2/NDF:0.5/1

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.121+/-0.102 χ^2/NDF:0.0/0

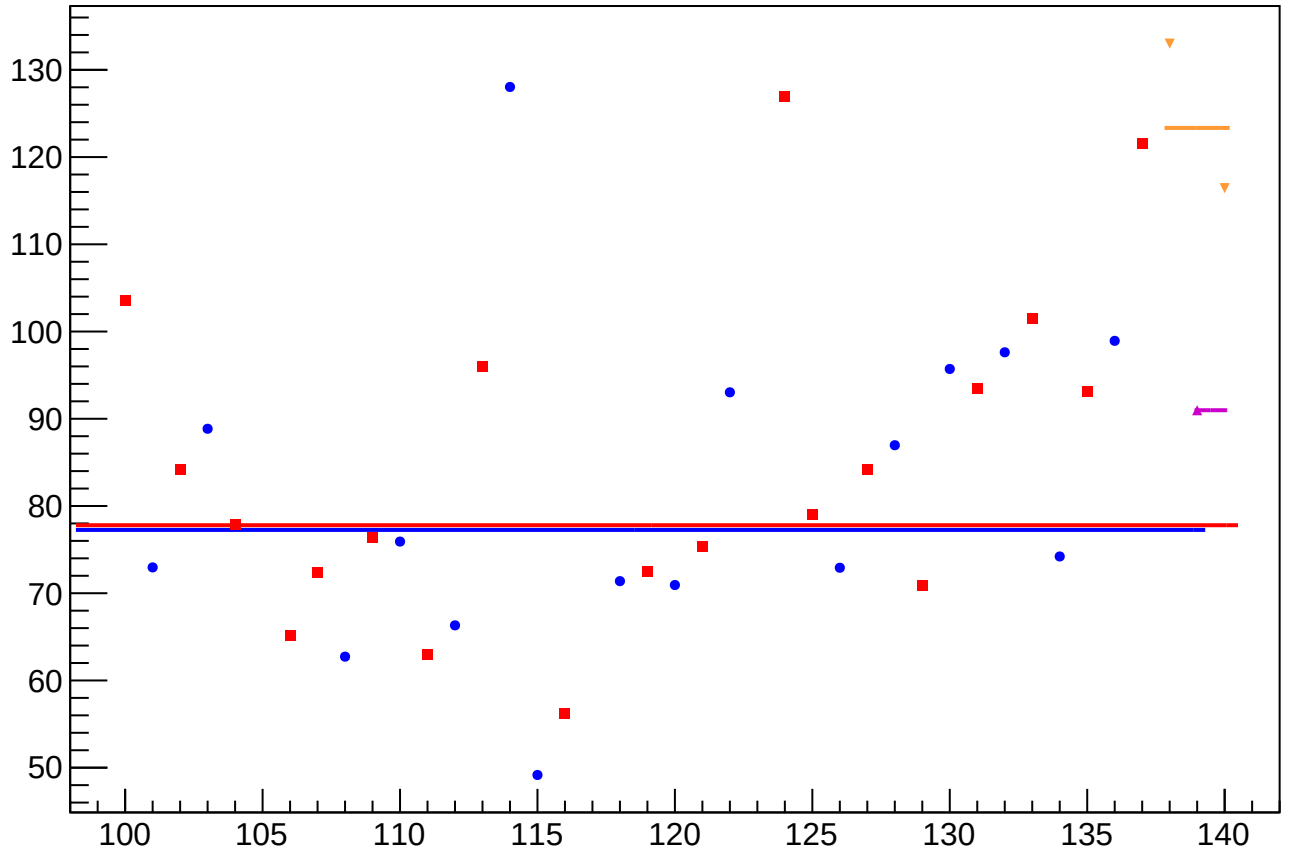
Left: -0.014+/-0.072 χ^2/NDF: 2.7/2

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.014+/-0.029 χ^2/NDF:18.5/16

Out: 0.019+/-0.029 χ^2/NDF:26.5/20

All: 0.003+/-0.020 χ^2/NDF: 45.6/37



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 123.343+/-0.071 χ^2/NDF:13172.3/1

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 90.979+/-0.072 χ^2/NDF:0.0/0

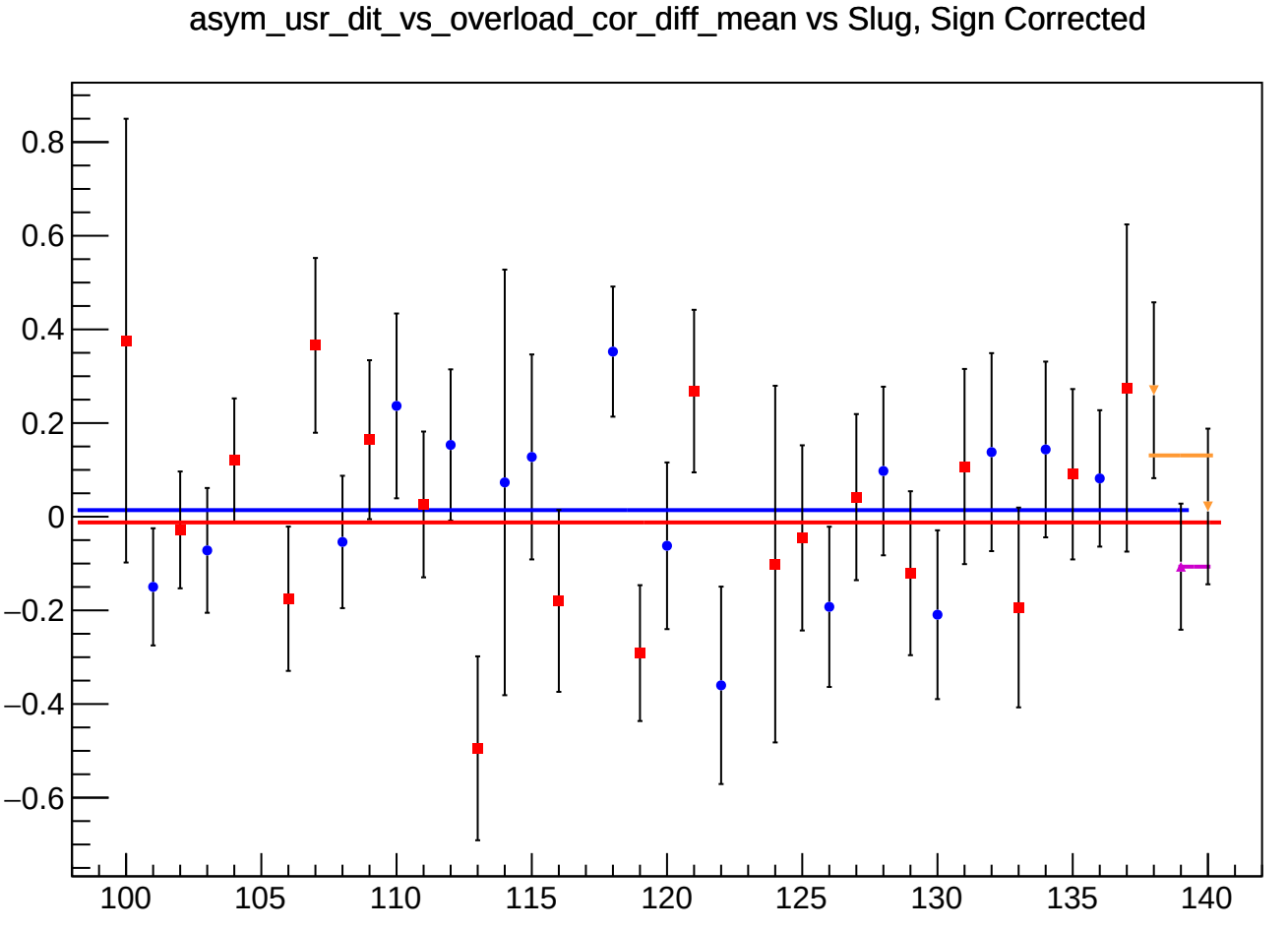
Left: 107.379+/-0.051 χ^2/NDF: 115168.0/2

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.354+/-0.020 χ^2/NDF:452579.0/16

Out: 81.450+/-0.020 χ^2/NDF:786332.2/20

All: 79.919+/-0.014 χ^2/NDF: 1250570.9/37



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.131+/-0.124 χ^2/NDF:1.0/1

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.107+/-0.135 χ^2/NDF:0.0/0

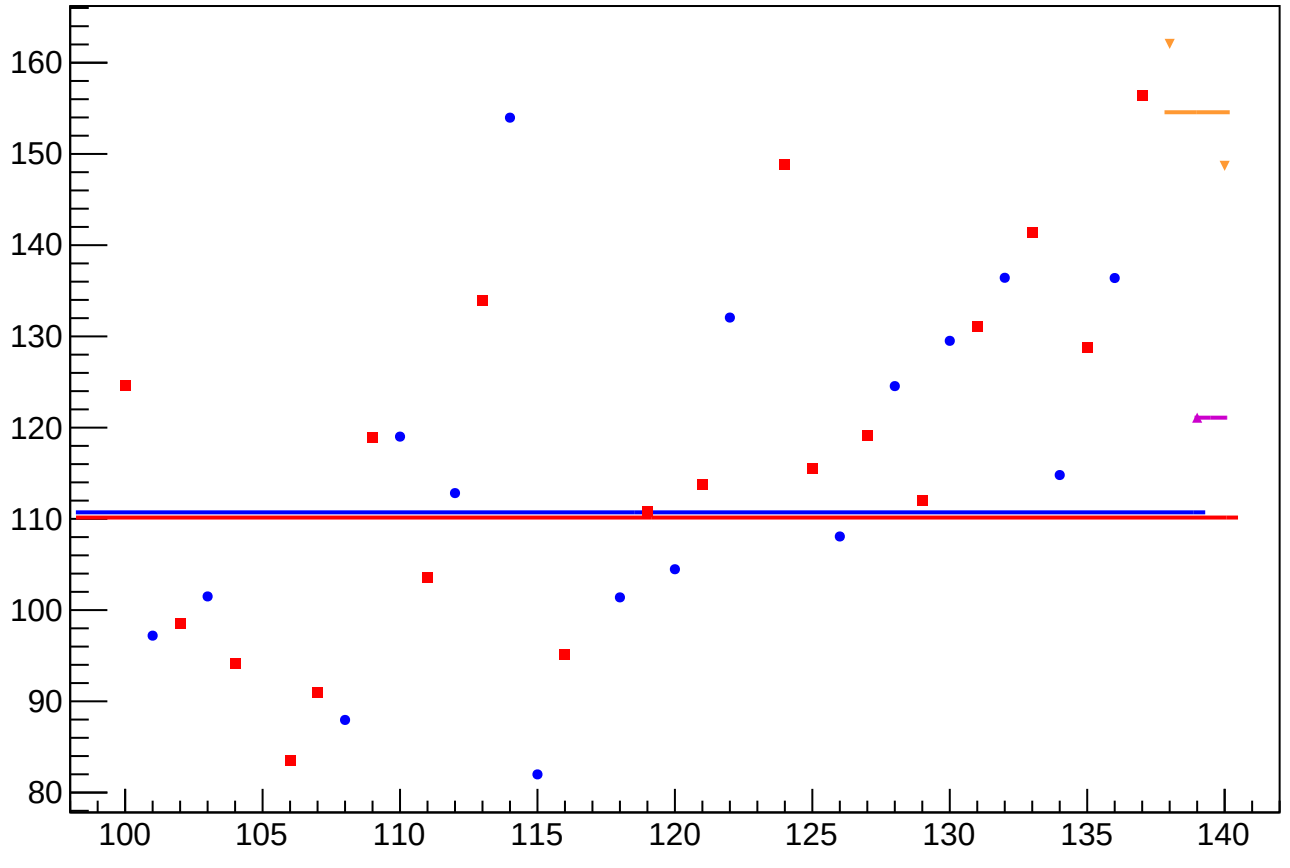
Left: 0.021+/-0.091 χ^2/NDF: 2.7/2

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.003+/-0.040 χ^2/NDF:18.9/16

Out: 0.002+/-0.039 χ^2/NDF:25.9/20

All: 0.003+/-0.028 χ^2/NDF: 44.8/37



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 154.570+/-0.088 χ^2/NDF:5685.5/1

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 121.092+/-0.095 χ^2/NDF:0.0/0

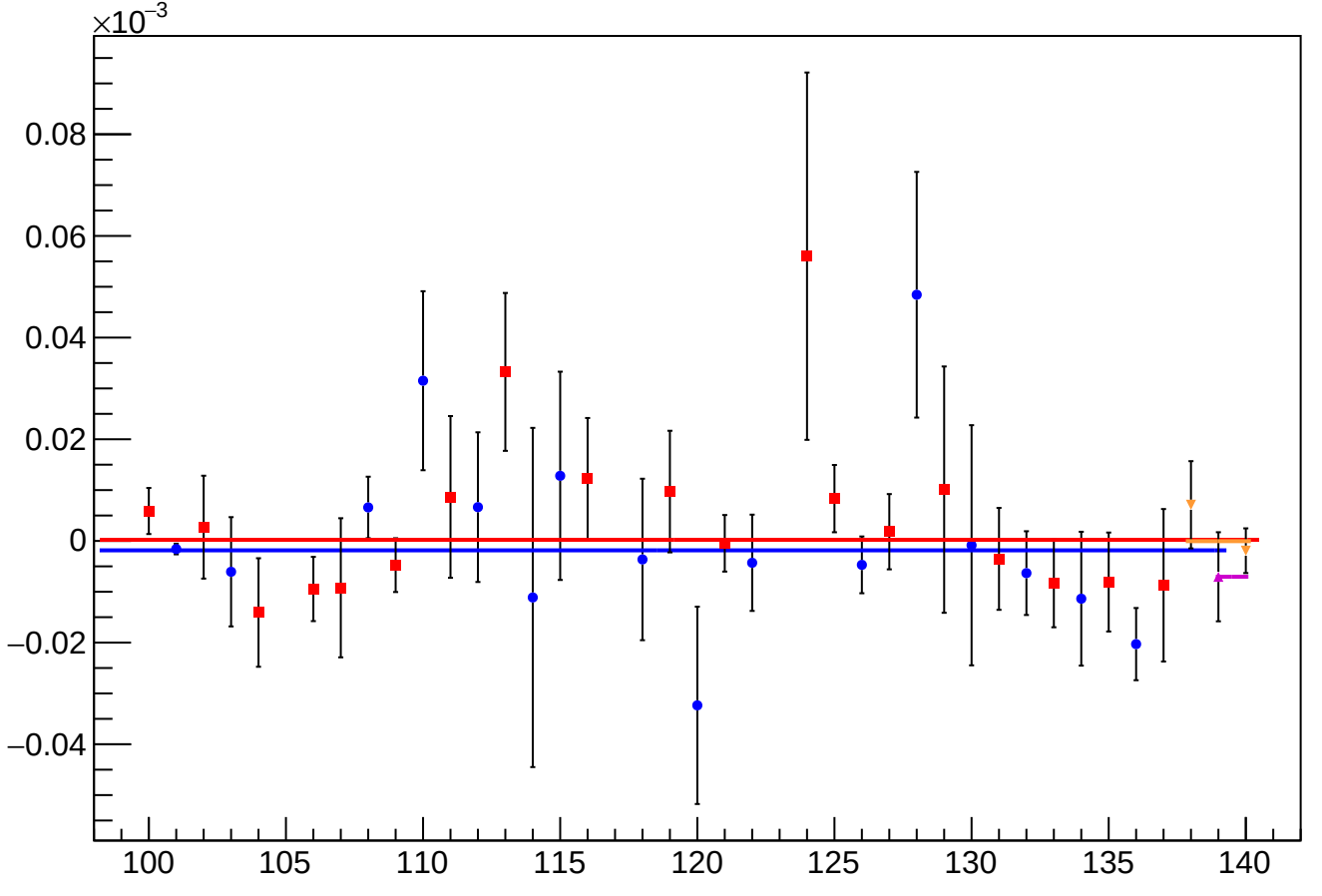
Left: 139.146+/-0.065 χ^2/NDF: 72376.3/2

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 111.646+/-0.029 χ^2/NDF:310789.9/16

Out: 114.555+/-0.028 χ^2/NDF:562008.0/20

All: 113.141+/-0.020 χ^2/NDF: 878148.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

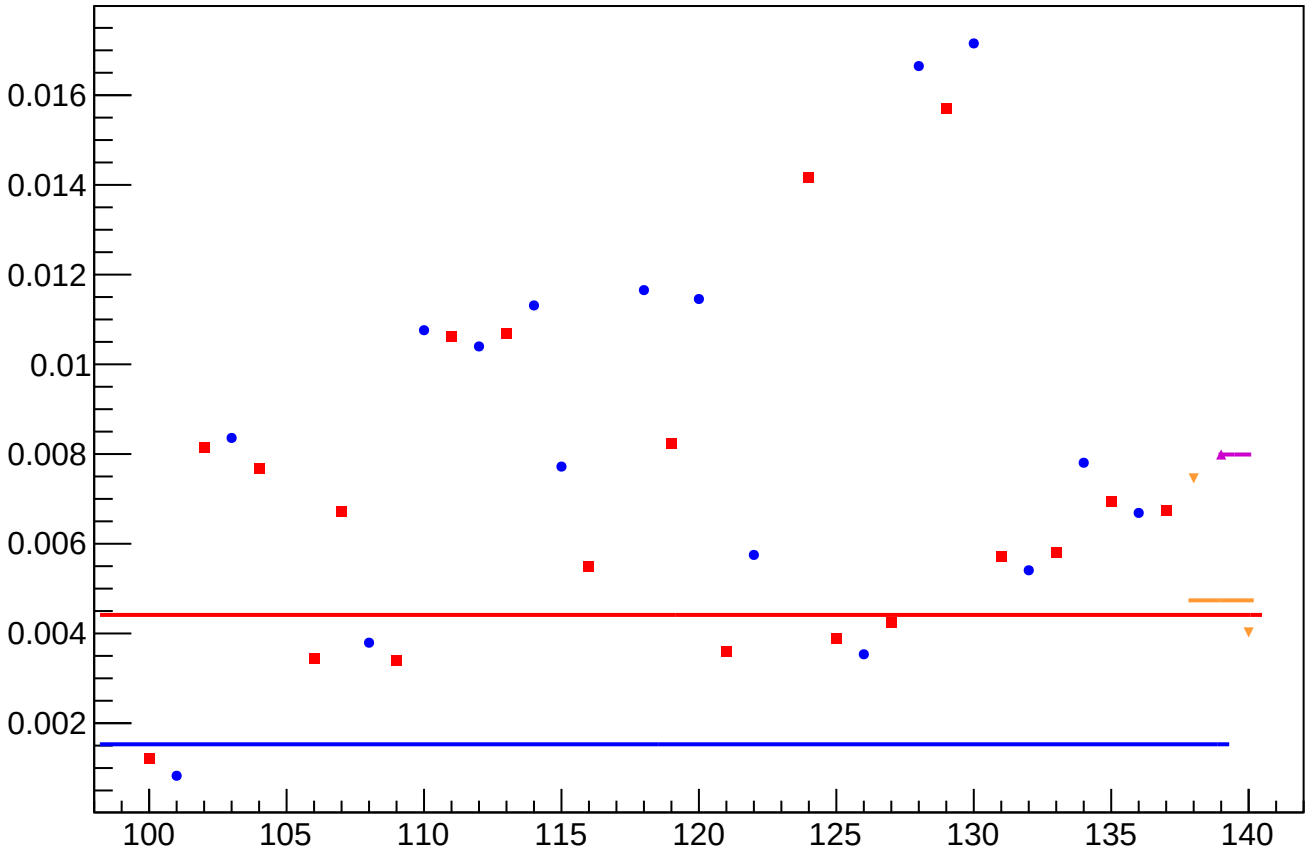
Left: -0.000+/-0.000 χ^2/NDF: 1.4/2

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:21.7/16

Out: 0.000+/-0.000 χ^2/NDF:20.8/20

All: -0.000+/-0.000 χ^2/NDF: 43.6/37



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:253818.6/1

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.008+/-0.000 χ^2/NDF:0.0/0

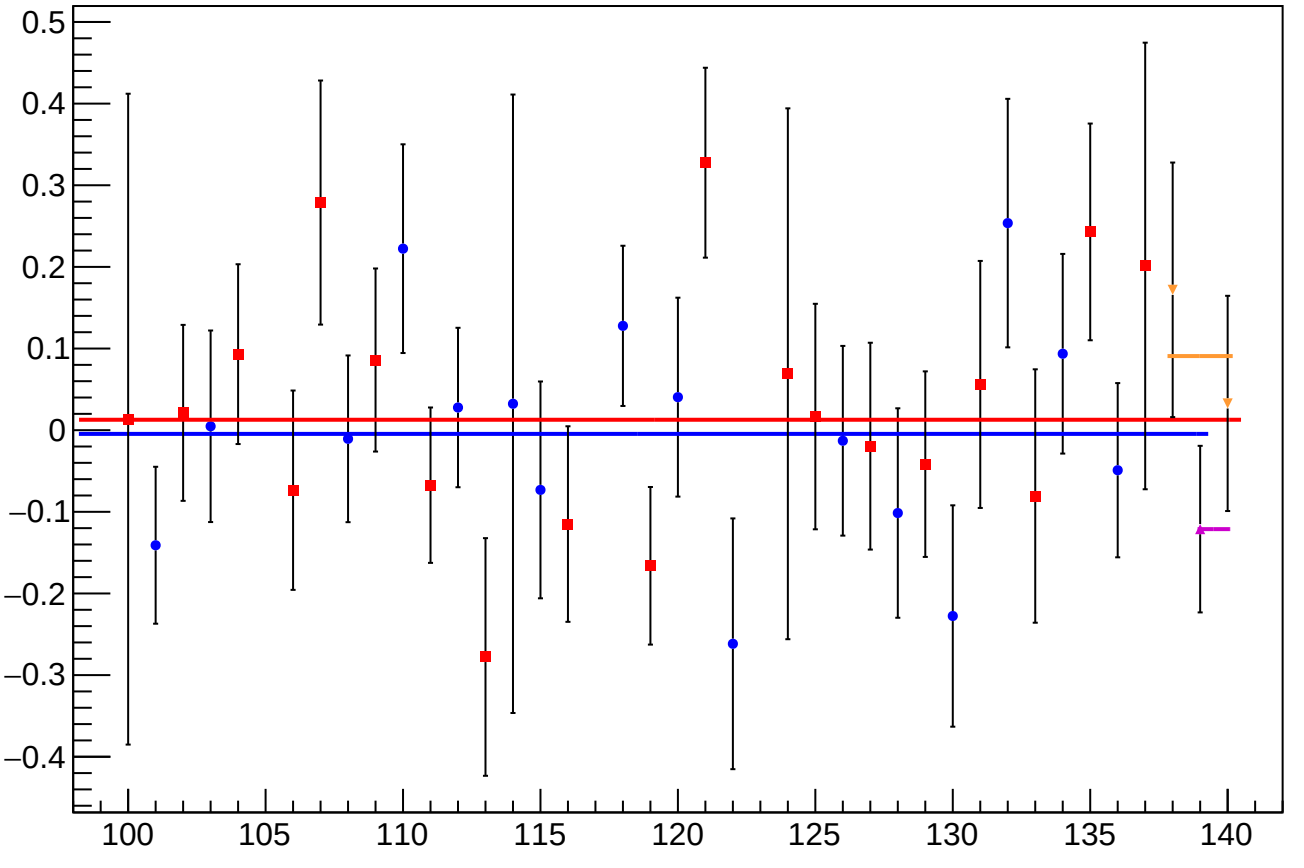
Left: 0.005+/-0.000 χ^2/NDF: 483479.3/2

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.002+/-0.000 χ^2/NDF:10297141.7/16

Out: 0.004+/-0.000 χ^2/NDF:3652970.3/20

All: 0.002+/-0.000 χ^2/NDF: 18147169.4/37



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.091+/-0.101 χ^2/NDF:0.5/1

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.121+/-0.102 χ^2/NDF:0.0/0

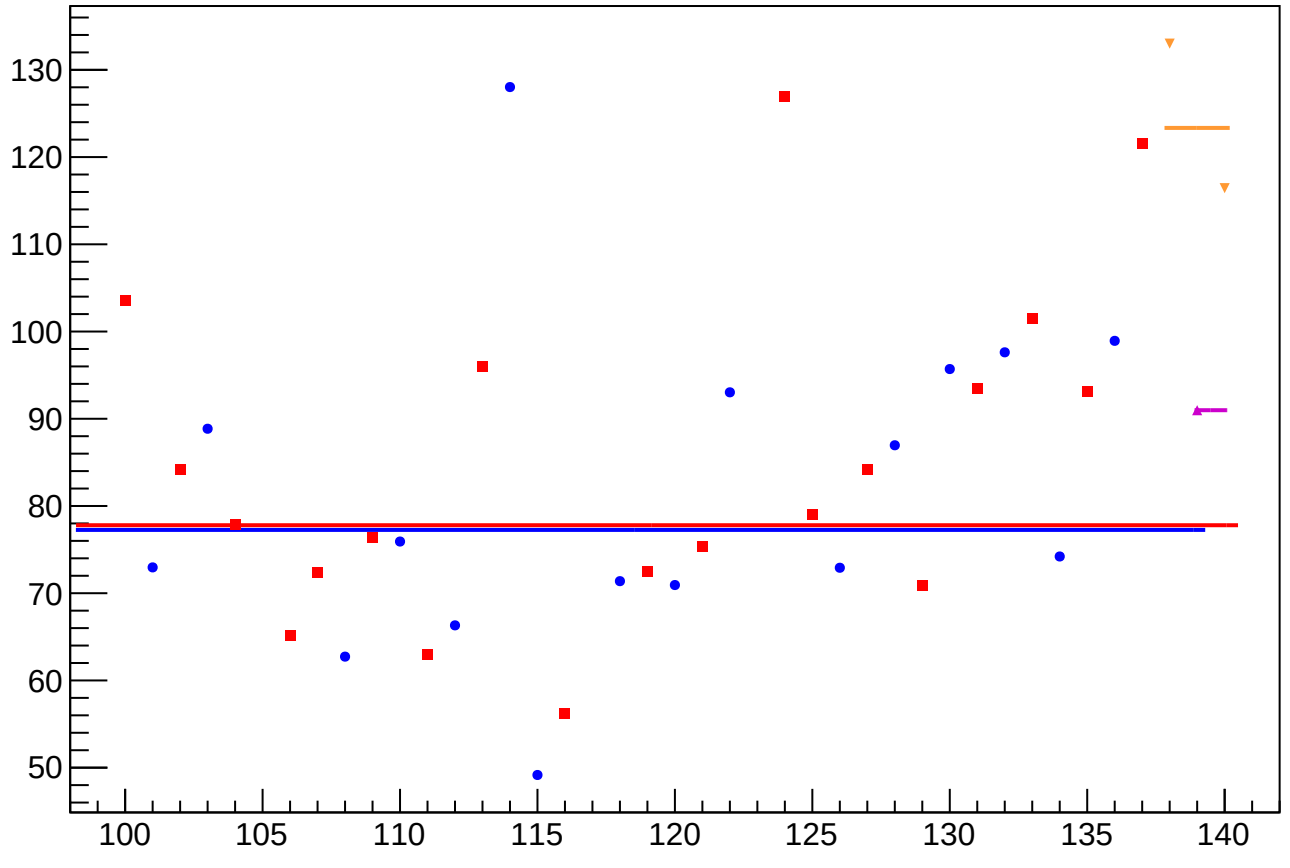
Left: -0.014+/-0.072 χ^2/NDF: 2.7/2

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.014+/-0.029 χ^2/NDF:18.5/16

Out: 0.019+/-0.029 χ^2/NDF:26.5/20

All: 0.003+/-0.020 χ^2/NDF: 45.6/37



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 123.344+/-0.071 χ^2/NDF:13173.5/1

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 90.981+/-0.072 χ^2/NDF:0.0/0

Left: 107.380+/-0.051 χ^2/NDF: 115158.1/2

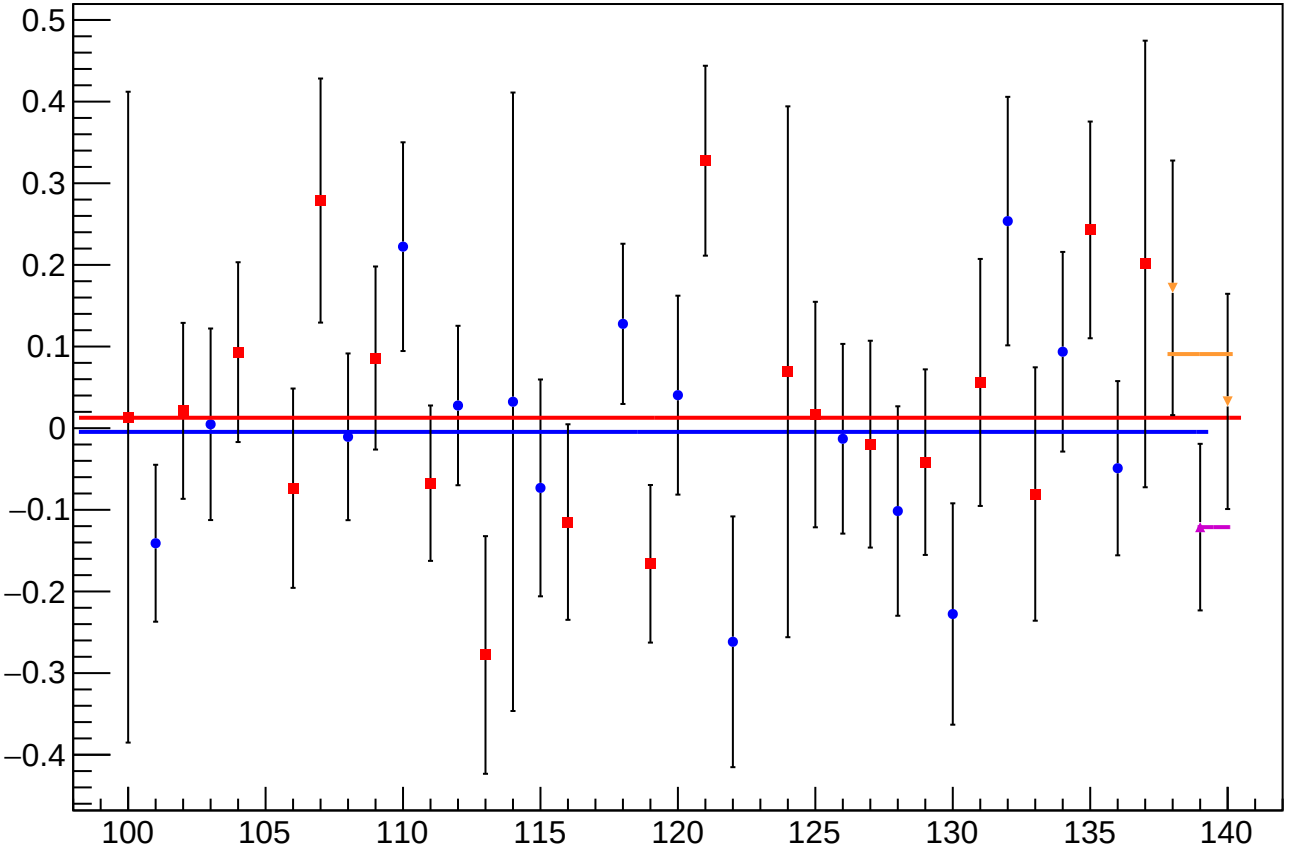
Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.353+/-0.020 χ^2/NDF:452580.1/16

Out: 81.448+/-0.020 χ^2/NDF:786359.7/20

All: 79.918+/-0.014 χ^2/NDF: 1250598.4/37

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.091+/-0.101 χ^2/NDF:0.5/1

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.121+/-0.102 χ^2/NDF:0.0/0

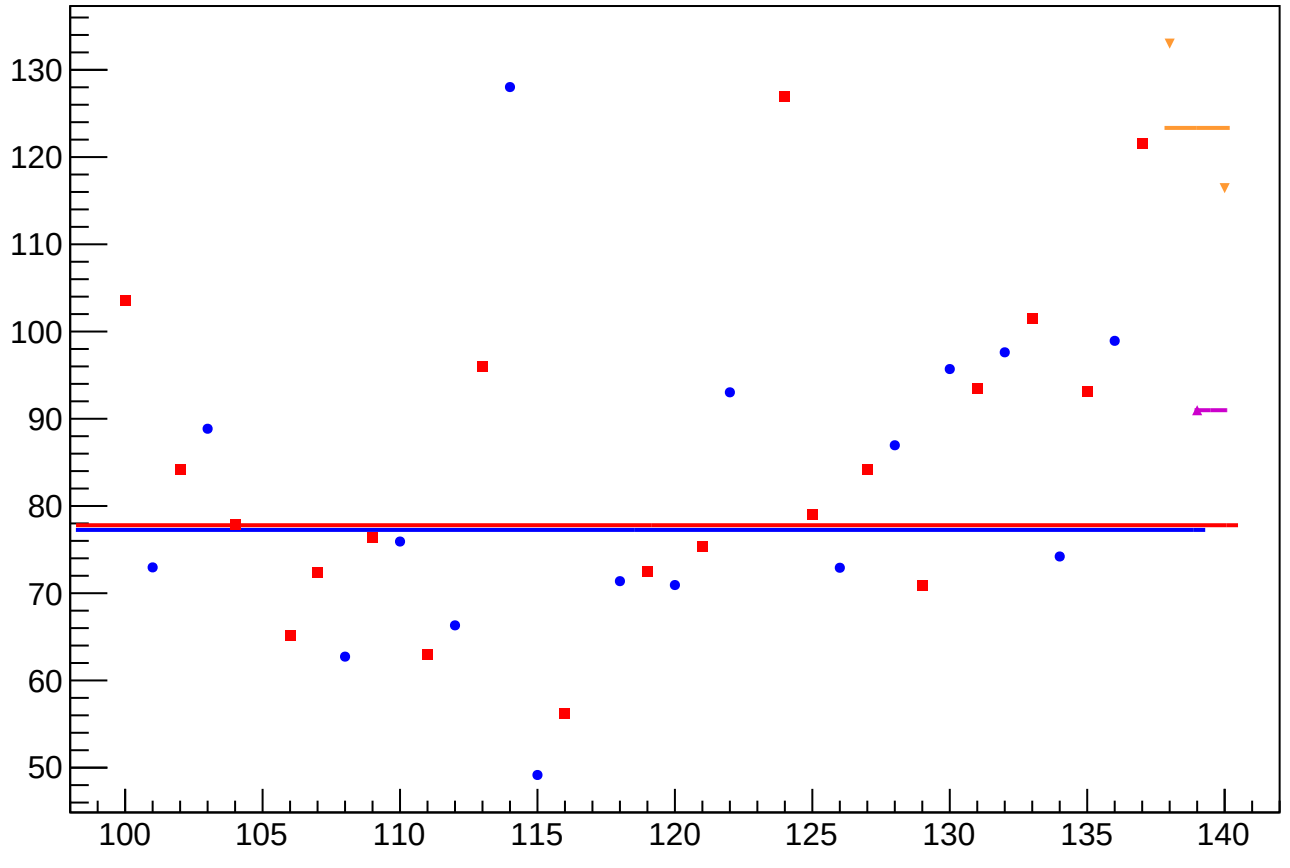
Left: -0.014+/-0.072 χ^2/NDF: 2.7/2

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.014+/-0.029 χ^2/NDF:18.5/16

Out: 0.019+/-0.029 χ^2/NDF:26.5/20

All: 0.003+/-0.020 χ^2/NDF: 45.6/37



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 123.344+/-0.071 χ^2/NDF:13173.5/1

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 90.981+/-0.072 χ^2/NDF:0.0/0

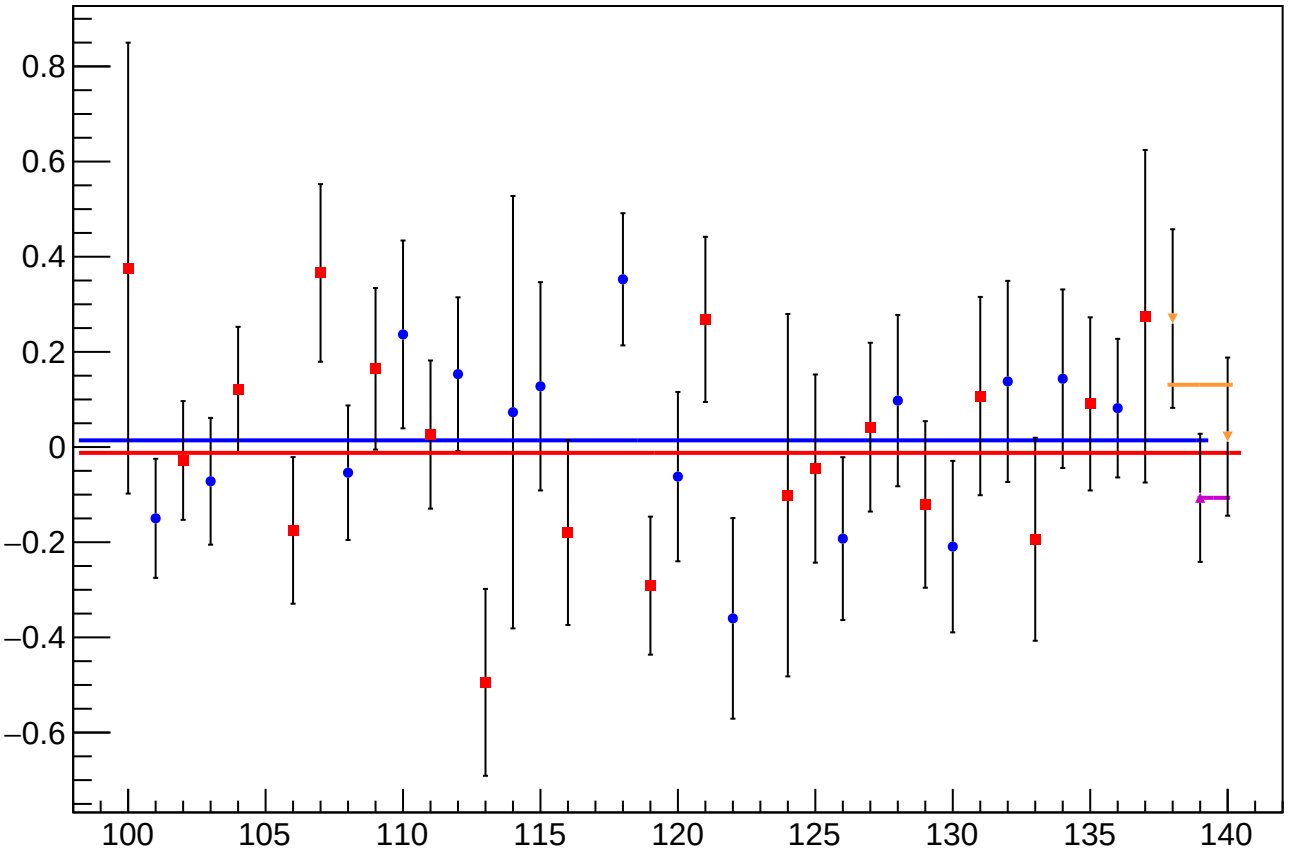
Left: 107.380+/-0.051 χ^2/NDF: 115158.1/2

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.353+/-0.020 χ^2/NDF:452580.1/16

Out: 81.448+/-0.020 χ^2/NDF:786359.7/20

All: 79.918+/-0.014 χ^2/NDF: 1250598.4/37



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.131+/-0.124 χ^2/NDF:1.0/1

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.107+/-0.135 χ^2/NDF:0.0/0

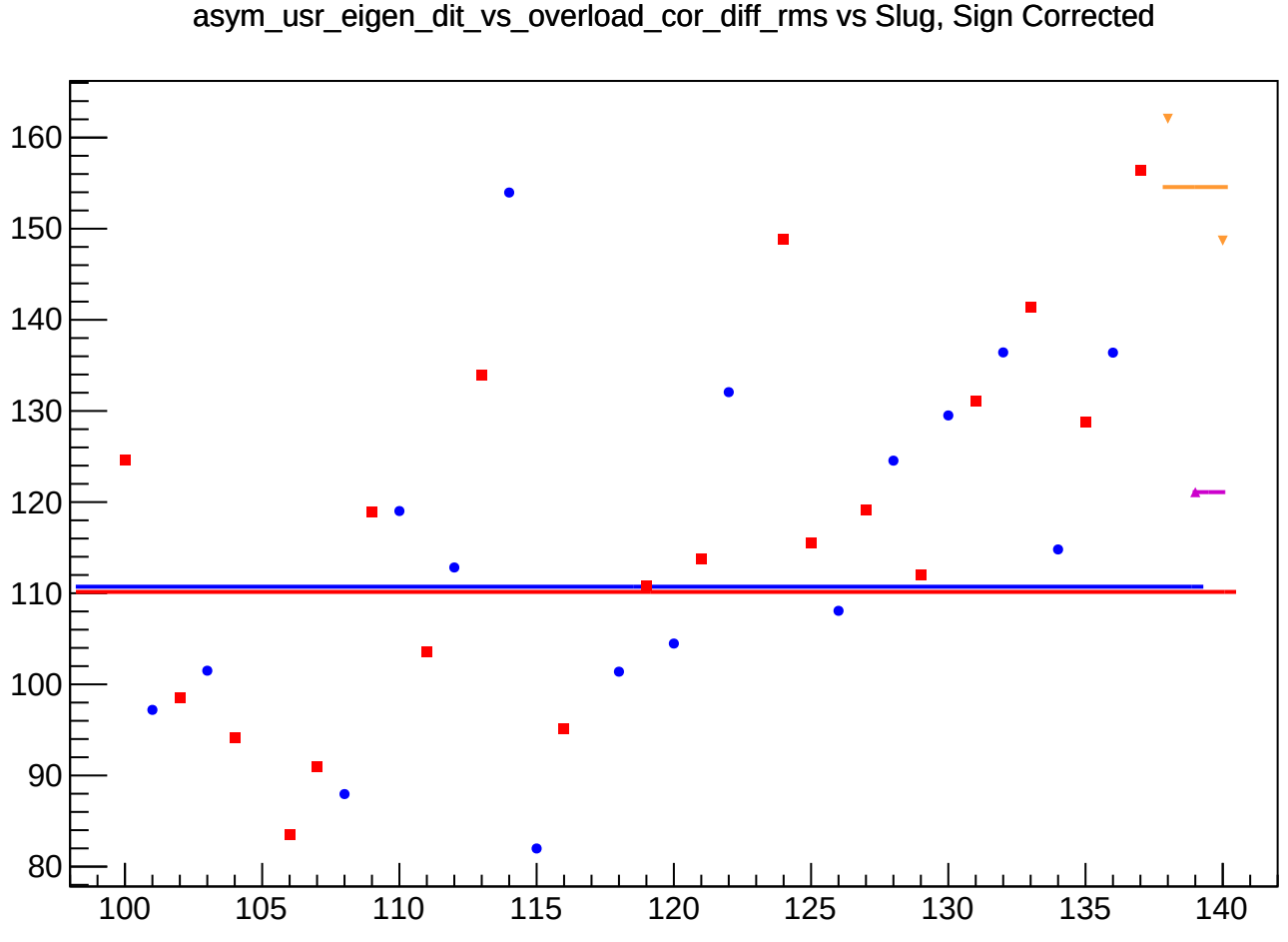
Left: 0.021+/-0.091 χ^2/NDF: 2.7/2

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.003+/-0.040 χ^2/NDF:18.9/16

Out: 0.002+/-0.039 χ^2/NDF:25.9/20

All: 0.003+/-0.028 χ^2/NDF: 44.8/37



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 154.570+/-0.088 χ^2/NDF:5685.8/1

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 121.094+/-0.095 χ^2/NDF:0.0/0

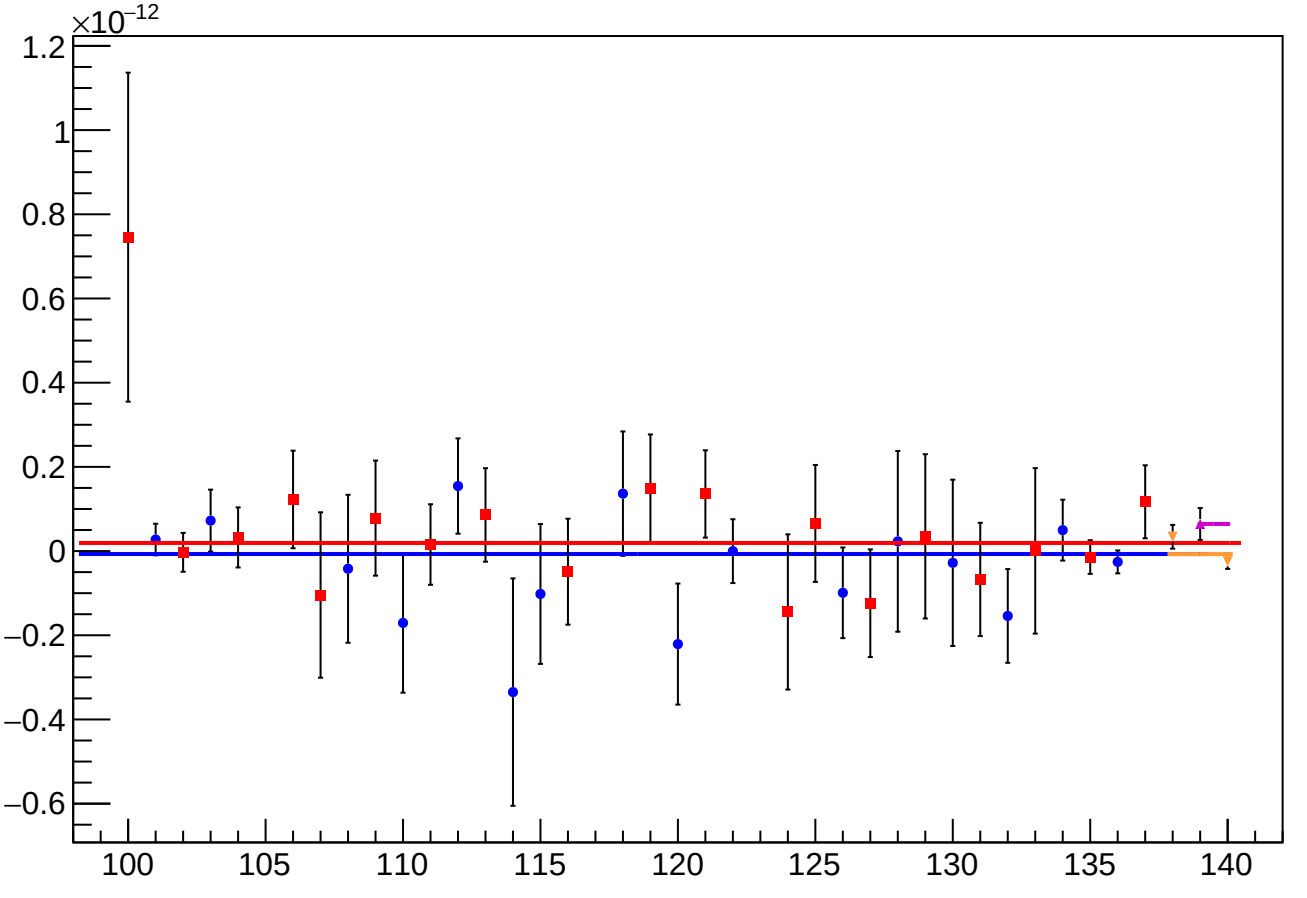
Left: 139.147+/-0.065 χ^2/NDF: 72370.1/2

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 111.645+/-0.029 χ^2/NDF:310769.9/16

Out: 114.554+/-0.028 χ^2/NDF:561986.5/20

All: 113.140+/-0.020 χ^2/NDF: 878106.9/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

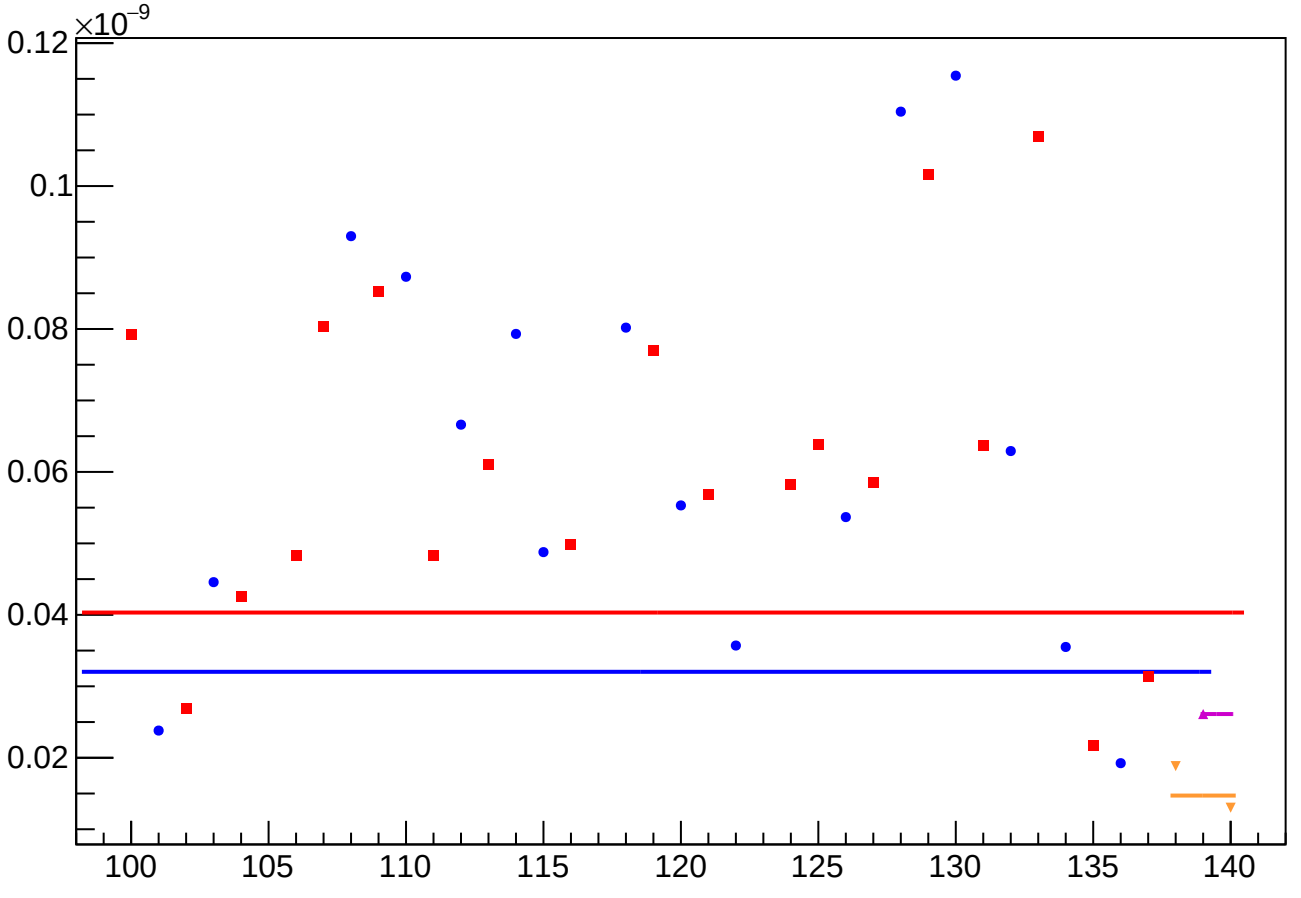
Left: 0.000+/-0.000 χ^2/NDF: 6.1/2

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: 0.000+/-0.000 χ^2/NDF:16.5/16

Out: 0.000+/-0.000 χ^2/NDF:16.6/20

All: 0.000+/-0.000 χ^2/NDF: 33.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:60124.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

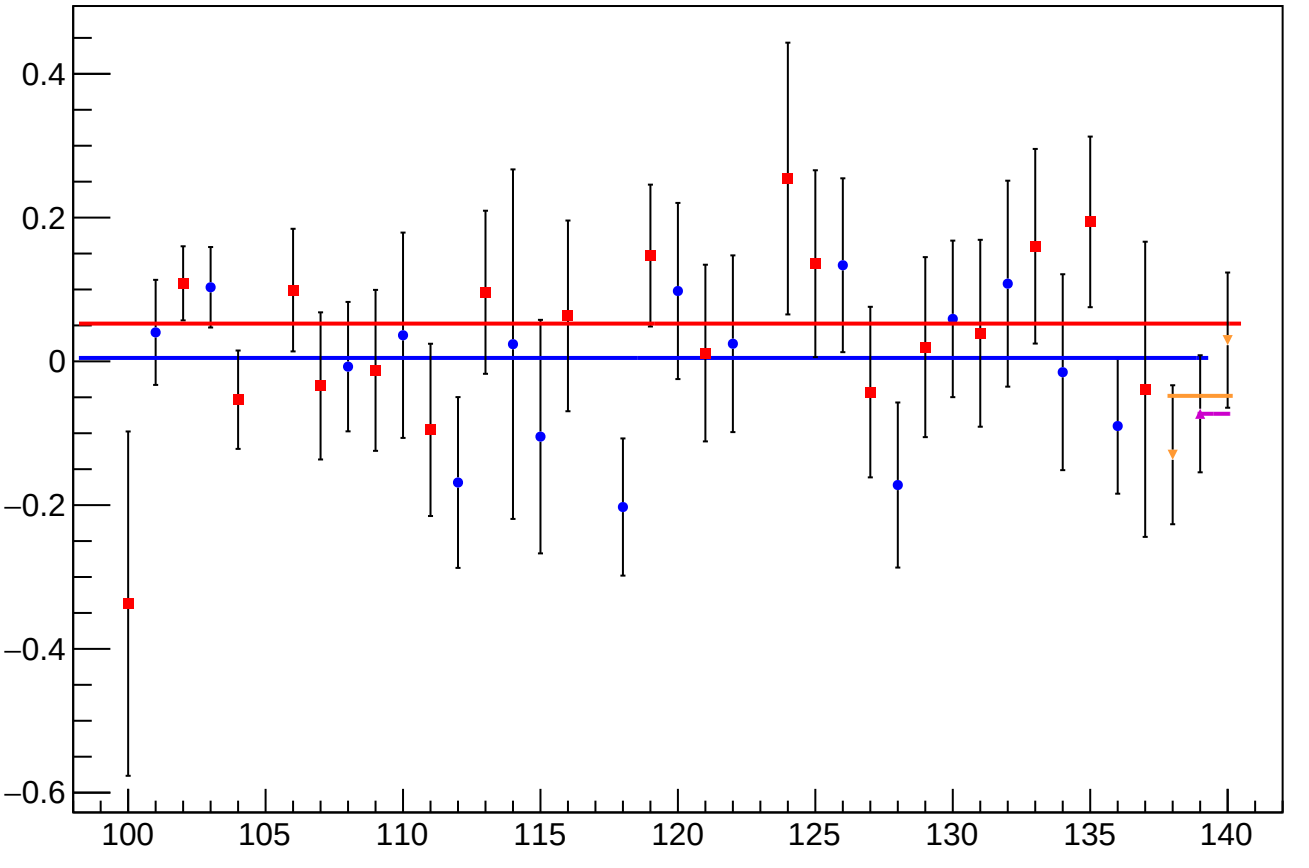
Left: 0.000+/-0.000 χ^2/NDF: 215712.8/2

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:2498972.5/16

Out: 0.000+/-0.000 χ^2/NDF:3858777.9/20

All: 0.000+/-0.000 χ^2/NDF: 6625495.3/37



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.048+/-0.067 χ^2/NDF:1.4/1

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.073+/-0.081 χ^2/NDF:0.0/0

Left: -0.058+/-0.052 χ^2/NDF: 1.5/2

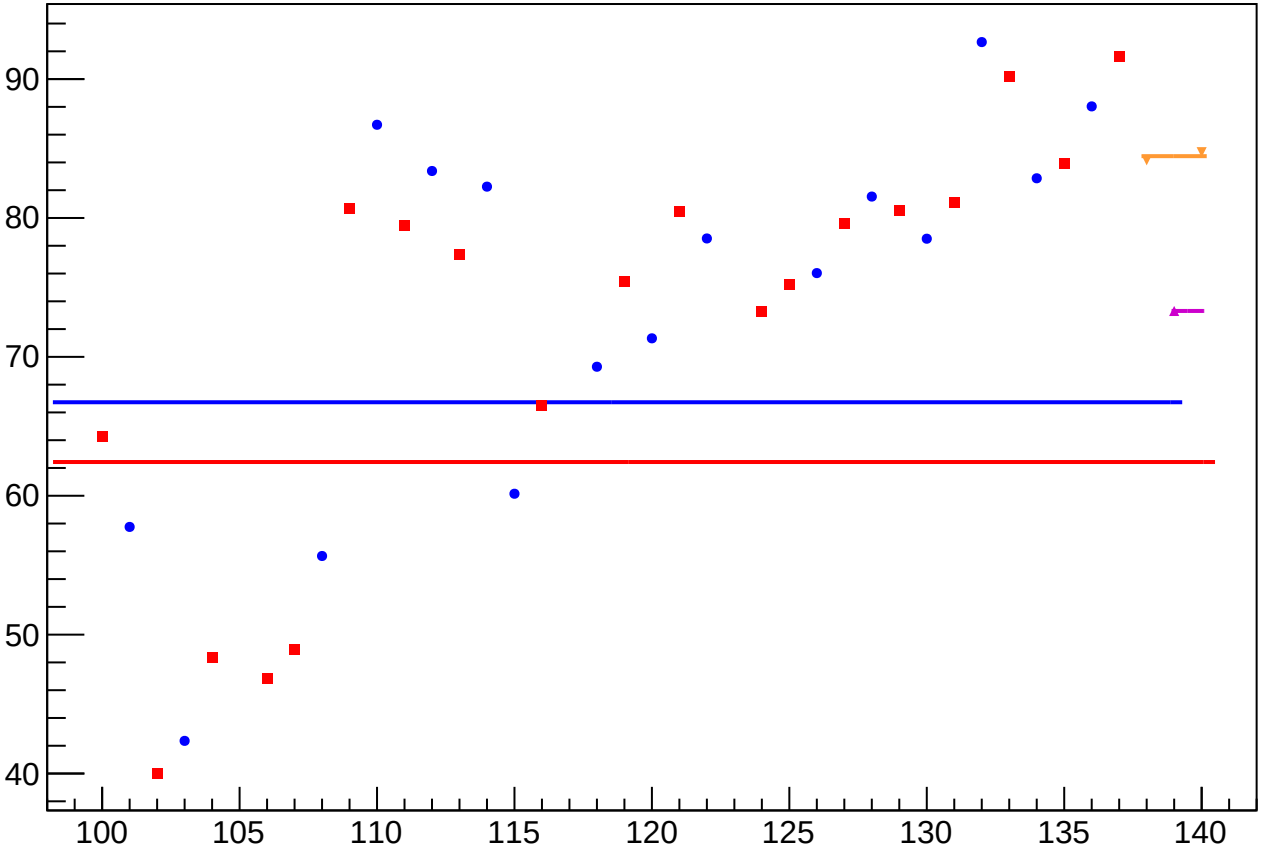
Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.002+/-0.025 χ^2/NDF:17.4/16

Out: 0.041+/-0.023 χ^2/NDF:18.2/20

All: 0.021+/-0.017 χ^2/NDF: 37.3/37

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 84.451+/-0.048 χ^2/NDF:37.6/1

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 73.306+/-0.058 χ^2/NDF:0.0/0

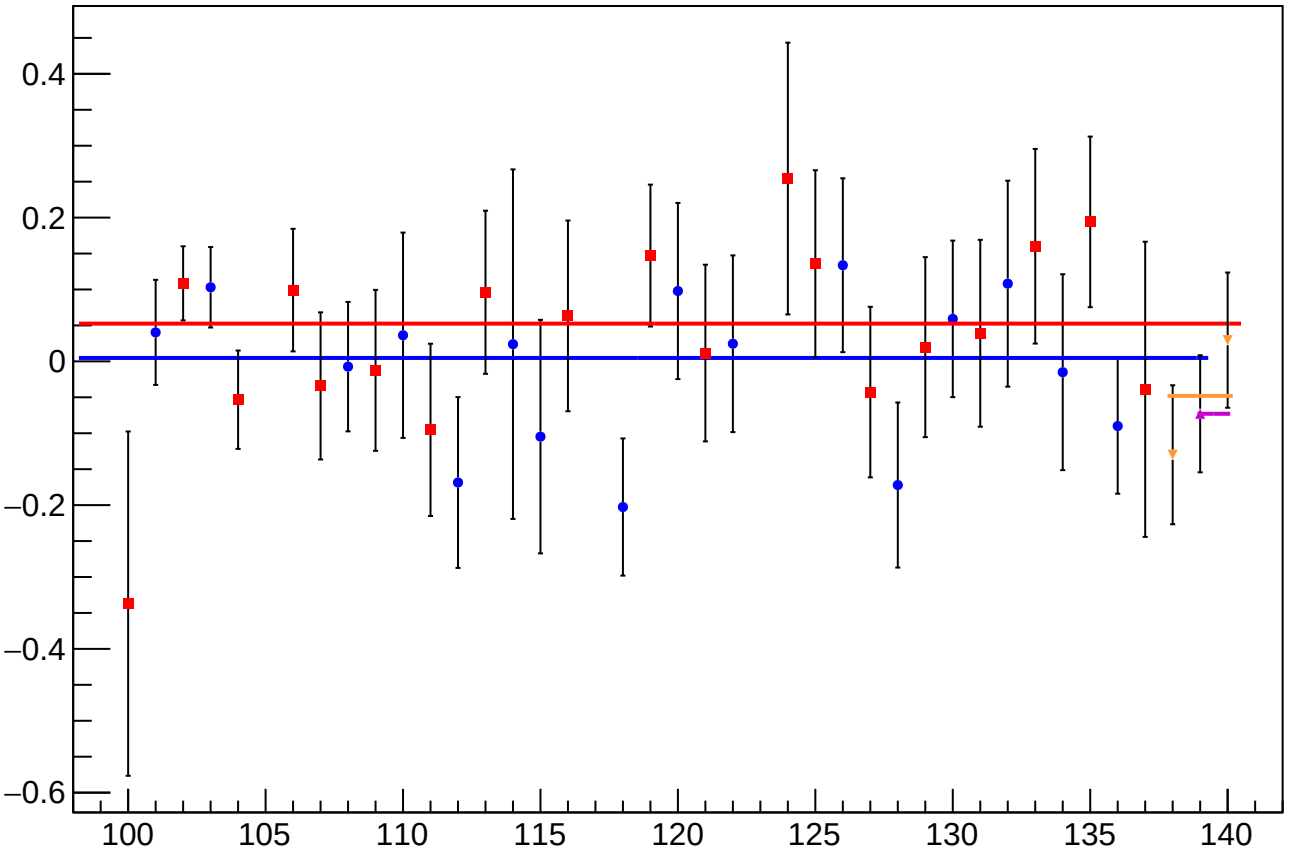
Left: 79.919+/-0.037 χ^2/NDF: 22269.1/2

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 67.336+/-0.017 χ^2/NDF:828586.3/16

Out: 64.923+/-0.016 χ^2/NDF:1303394.0/20

All: 66.028+/-0.012 χ^2/NDF: 2142348.4/37



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.048+/-0.067 χ^2/NDF:1.4/1

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.073+/-0.081 χ^2/NDF:0.0/0

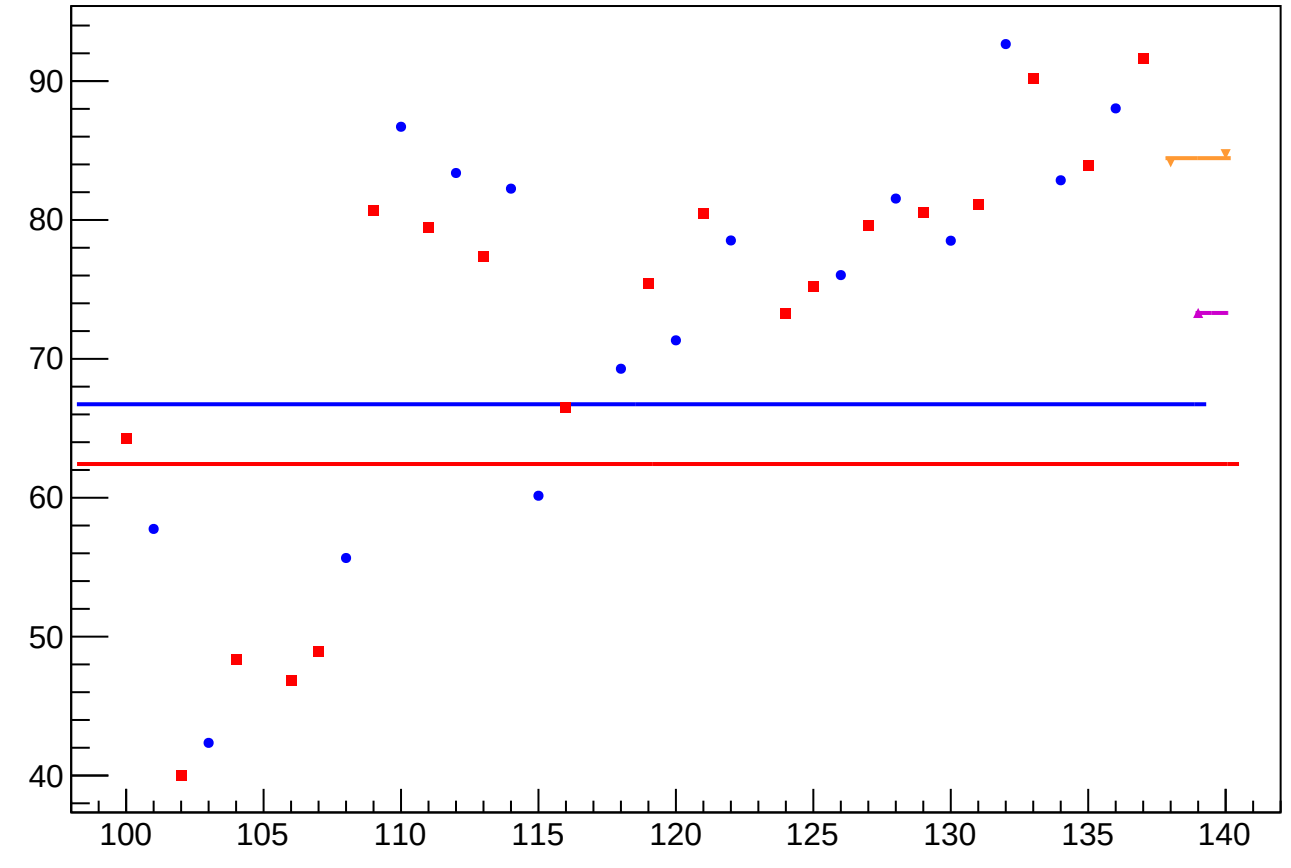
Left: -0.058+/-0.052 χ^2/NDF: 1.5/2

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.002+/-0.025 χ^2/NDF:17.4/16

Out: 0.041+/-0.023 χ^2/NDF:18.2/20

All: 0.021+/-0.017 χ^2/NDF: 37.3/37



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 84.451+/-0.048 χ^2/NDF:37.6/1

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 73.306+/-0.058 χ^2/NDF:0.0/0

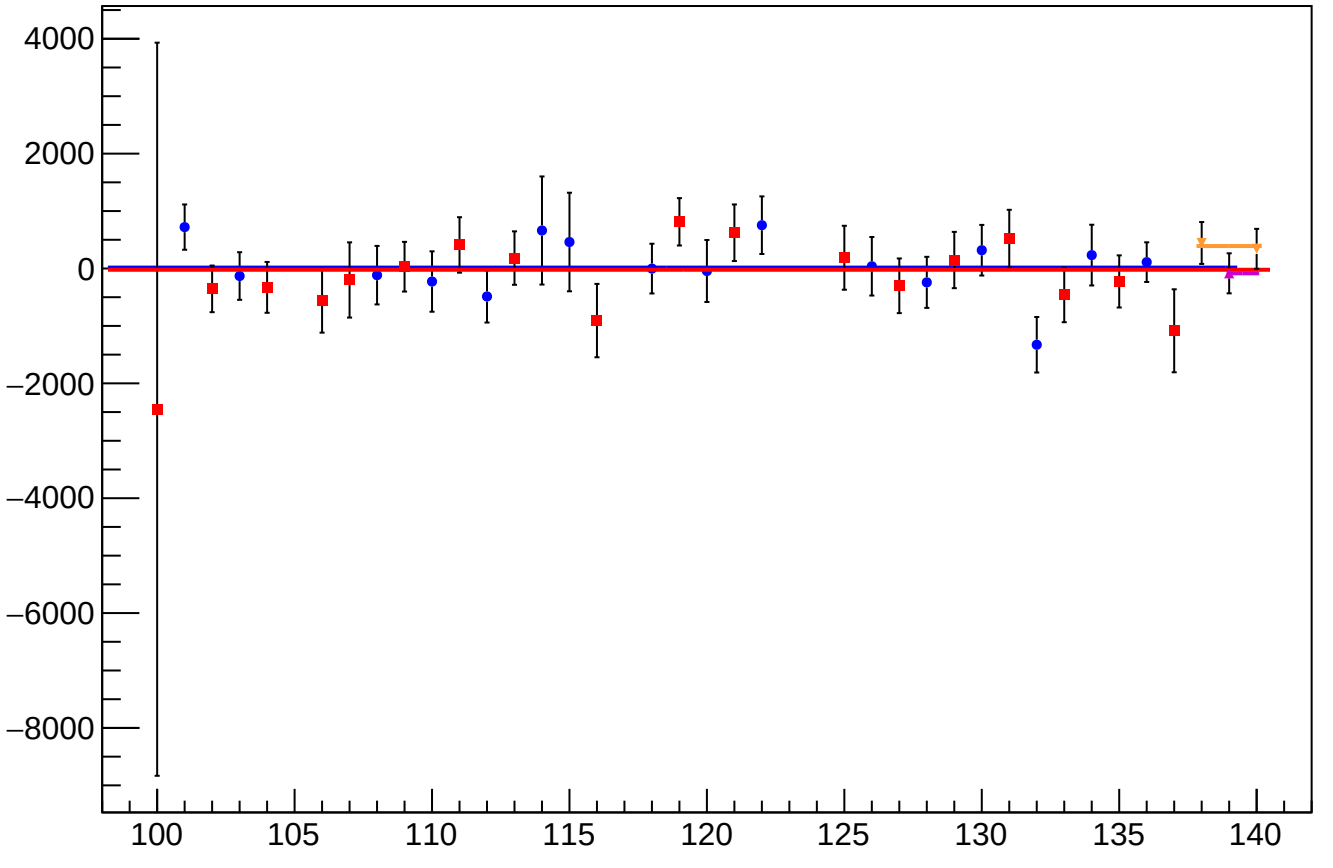
Left: 79.919+/-0.037 χ^2/NDF: 22269.1/2

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 67.336+/-0.017 χ^2/NDF:828586.3/16

Out: 64.923+/-0.016 χ^2/NDF:1303394.0/20

All: 66.028+/-0.012 χ^2/NDF: 2142348.4/37



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: 390.882+/-251.814 χ^2/NDF:0.0/1

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -84.076+/-348.551 χ^2/NDF:0.0/0

Left: 227.996+/-204.117 χ^2/NDF: 1.3/2

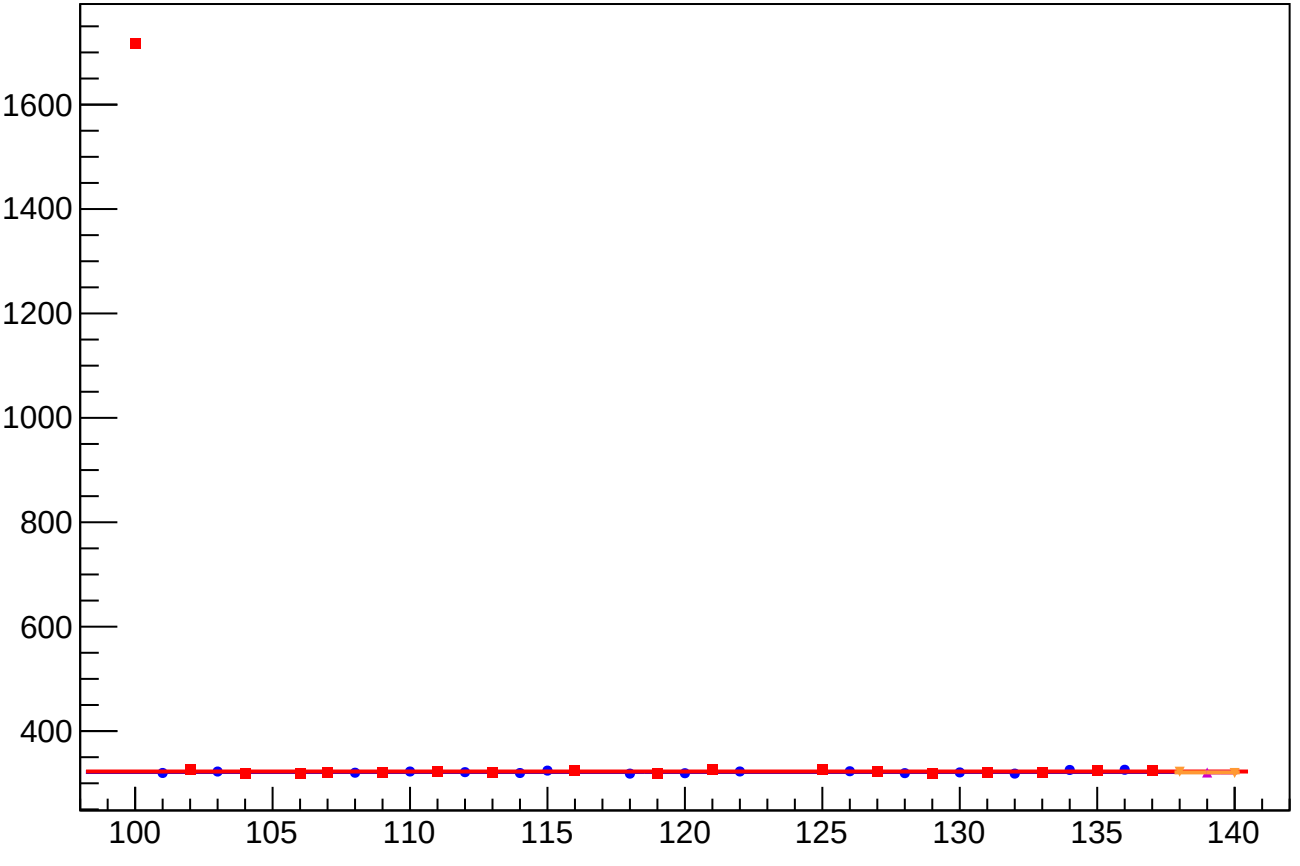
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: 5.053+/-112.982 χ^2/NDF:16.6/16

Out: 53.474+/-107.747 χ^2/NDF:18.2/19

All: 30.411+/-77.974 χ^2/NDF: 34.9/36

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 320.870+/-0.178 χ^2/NDF:46.1/1

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 320.703+/-0.246 χ^2/NDF:0.0/0

Left: 320.813+/-0.144 χ^2/NDF: 46.4/2

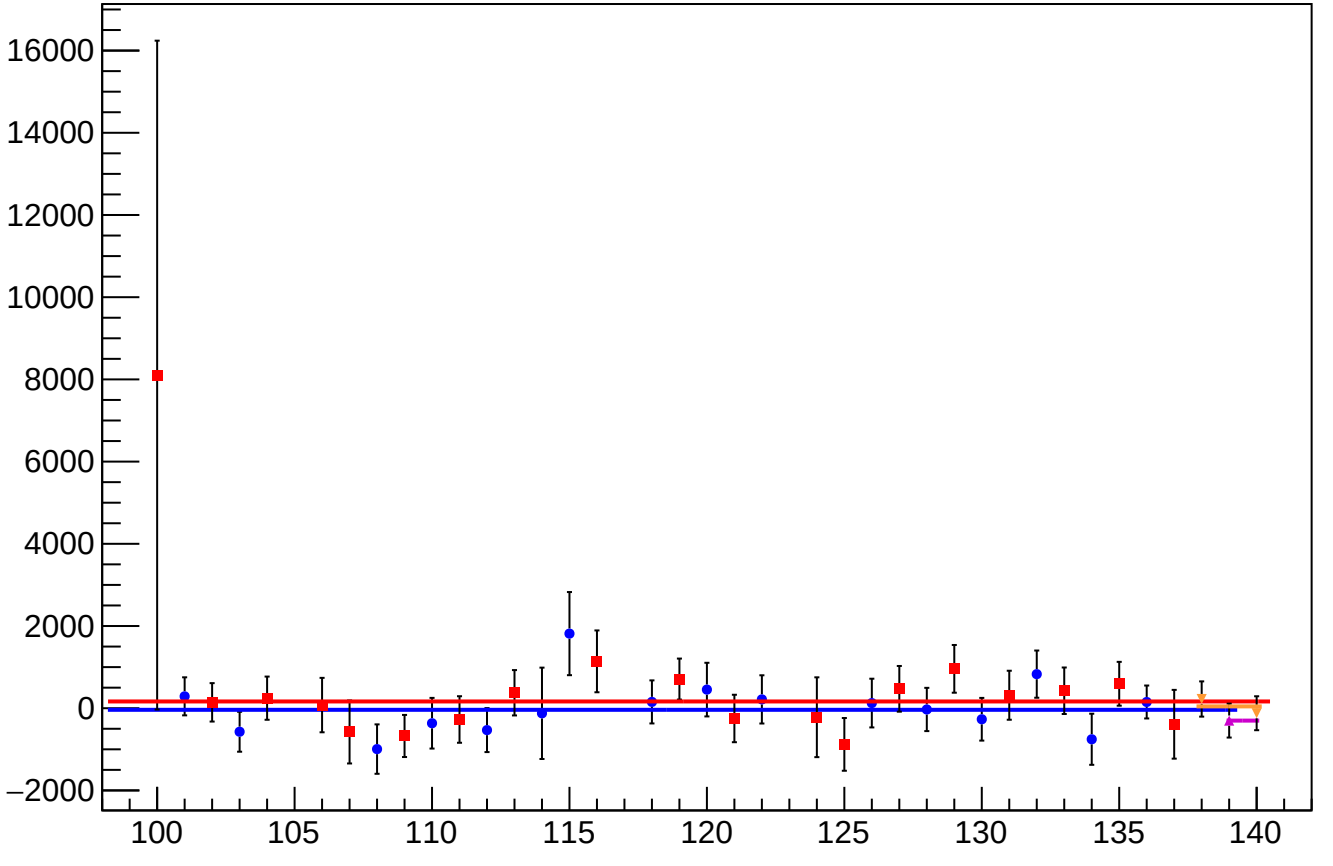
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 321.509+/-0.080 χ^2/NDF:834.8/16

Out: 322.245+/-0.076 χ^2/NDF:97010.9/19

All: 321.894+/-0.055 χ^2/NDF: 97890.1/36

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 44.462+/-297.424 χ^2/NDF:0.3/1

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -301.475+/-412.226 χ^2/NDF:0.0/0

Left: -73.971+/-241.197 χ^2/NDF: 0.8/2

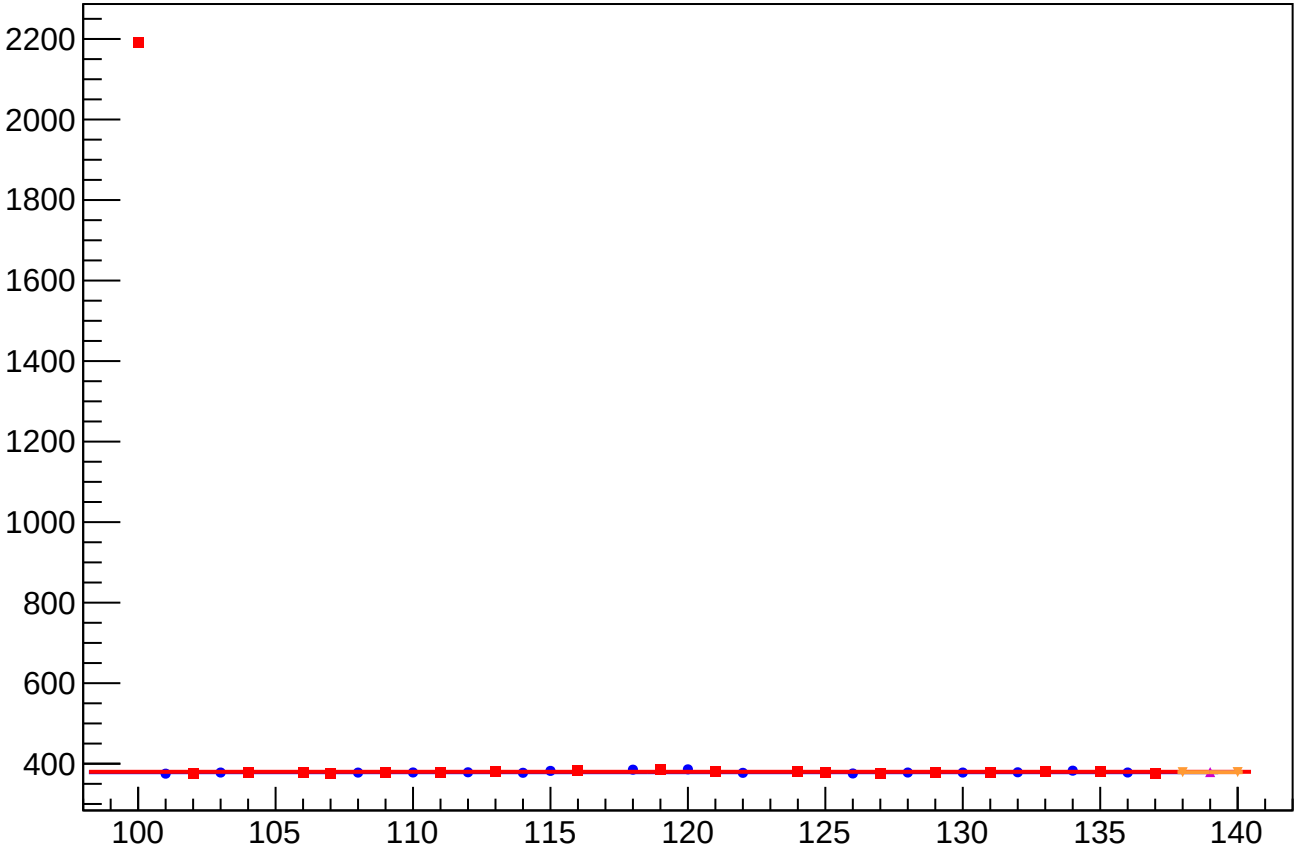
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -66.317+/-133.174 χ^2/NDF:14.1/16

Out: 143.106+/-125.899 χ^2/NDF:15.6/20

All: 44.271+/-91.488 χ^2/NDF: 31.0/37

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.975+/-0.210 χ^2/NDF:0.4/1

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 379.277+/-0.291 χ^2/NDF:0.0/0

Left: 379.078+/-0.171 χ^2/NDF: 1.1/2

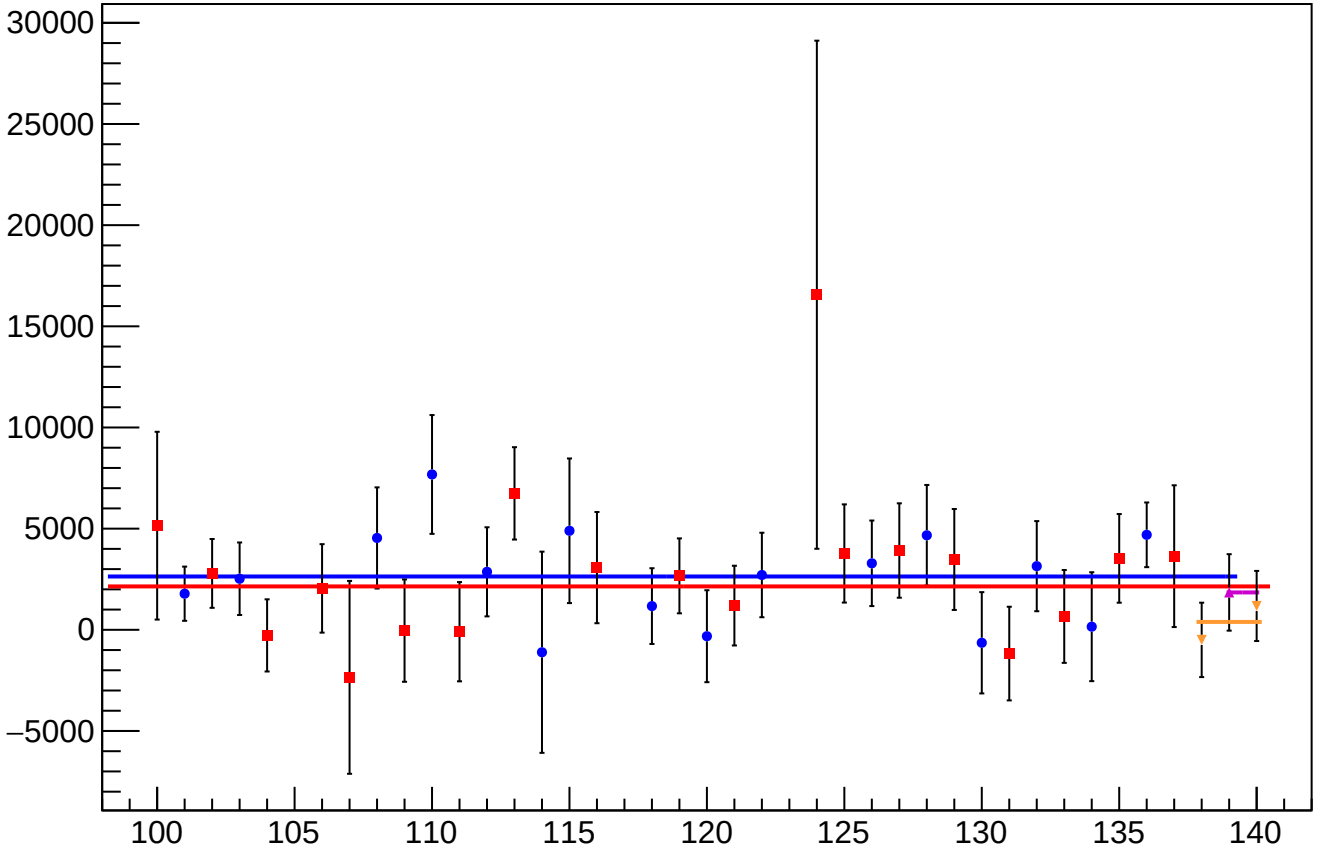
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.948+/-0.094 χ^2/NDF:852.6/16

Out: 379.716+/-0.089 χ^2/NDF:99637.0/20

All: 379.354+/-0.065 χ^2/NDF: 100524.7/37

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1847.980+/-1889.463 χ^2/NDF:0.0/0

Left: 838.876+/-1048.983 χ^2/NDF: 0.9/2

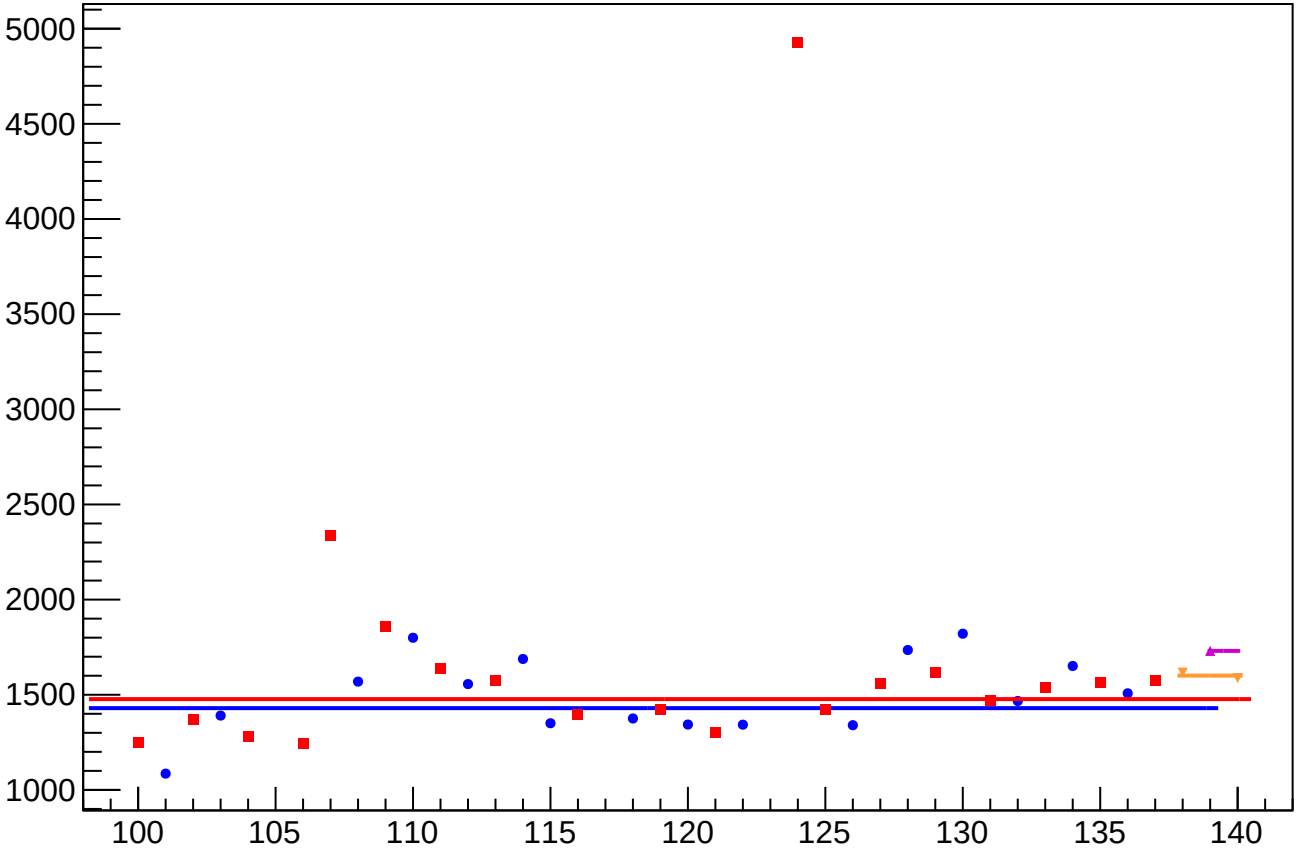
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2576.338+/-517.464 χ^2/NDF:12.4/16

Out: 1866.693+/-501.805 χ^2/NDF:17.1/20

All: 2210.616+/-360.238 χ^2/NDF: 30.5/37

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1730.542+/-1.336 χ^2/NDF:0.0/0

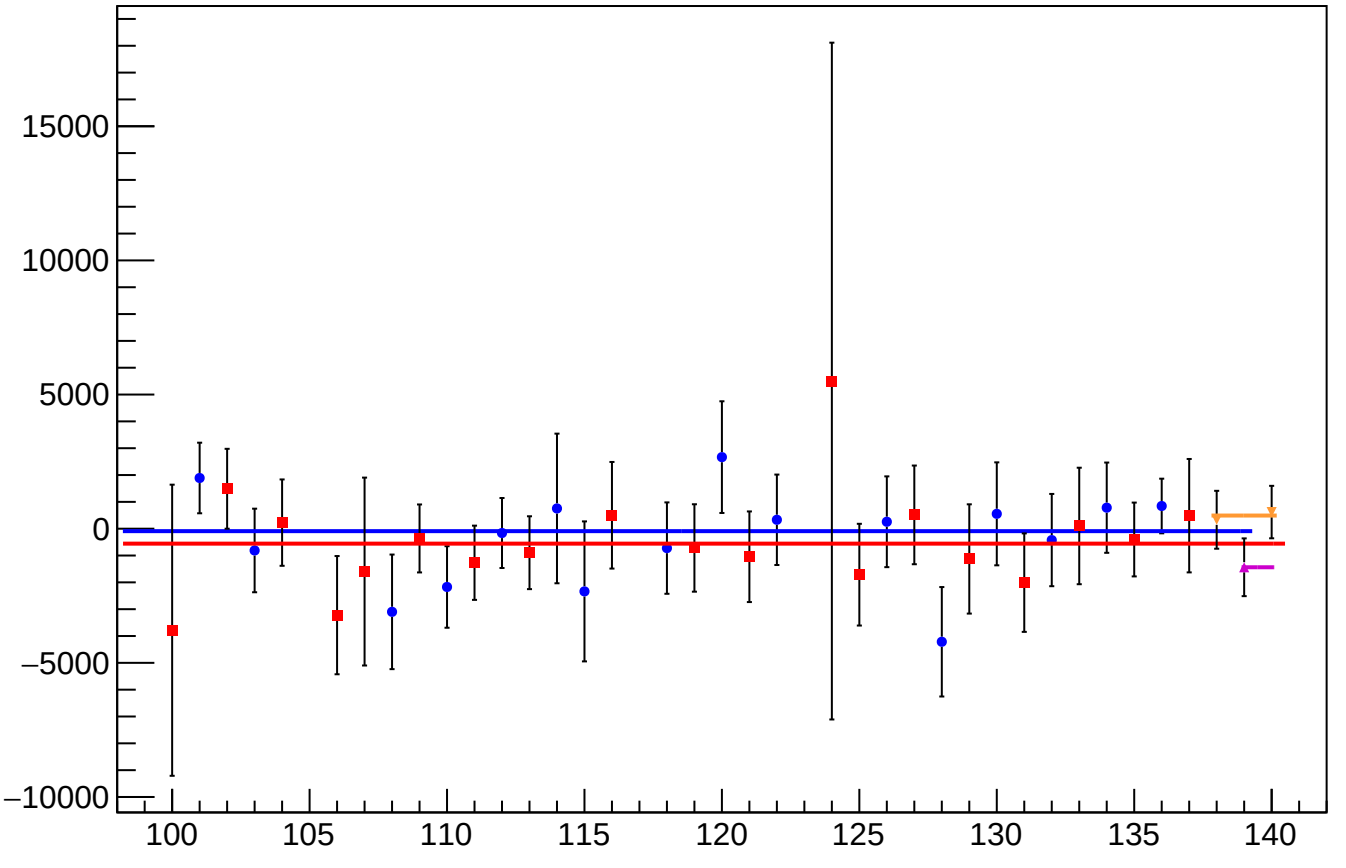
Left: 1640.756+/-0.742 χ^2/NDF: 6790.4/2

Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1452.222+/-0.366 χ^2/NDF:340302.7/16

Out: 1496.697+/-0.355 χ^2/NDF:385867.2/20

All: 1475.142+/-0.255 χ^2/NDF: 733784.0/37



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

Left Out: 490.305+/-724.511 χ^2/NDF:0.0/1

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -1437.521+/-1076.494 χ^2/NDF:0.0/0

Left: -110.701+/-601.059 χ^2/NDF: 2.2/2

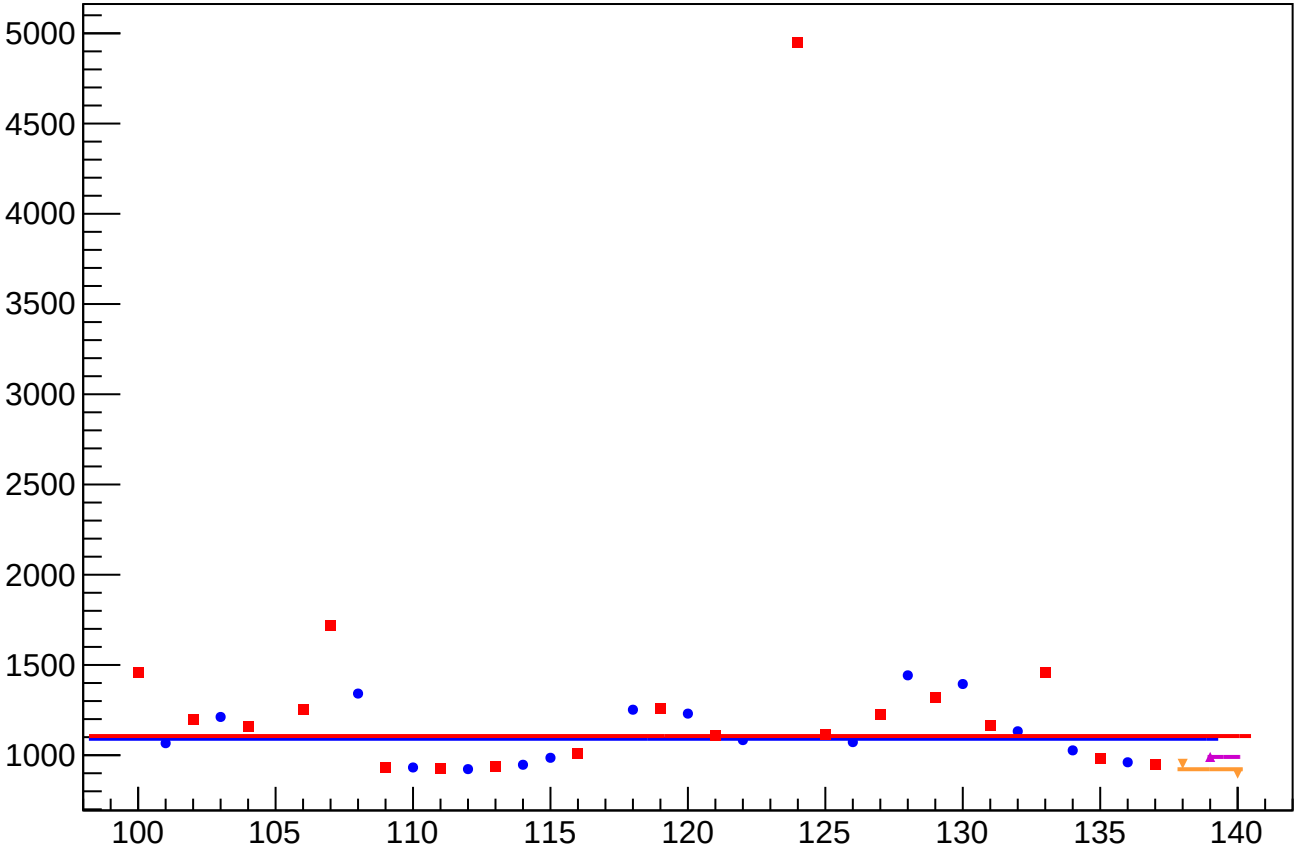
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -261.815+/-383.116 χ^2/NDF:15.9/16

Out: -301.579+/-357.713 χ^2/NDF:8.4/20

All: -283.059+/-261.461 χ^2/NDF: 24.3/37

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 990.376+/-0.761 χ^2/NDF:0.0/0

Left: 943.468+/-0.425 χ^2/NDF: 8324.9/2

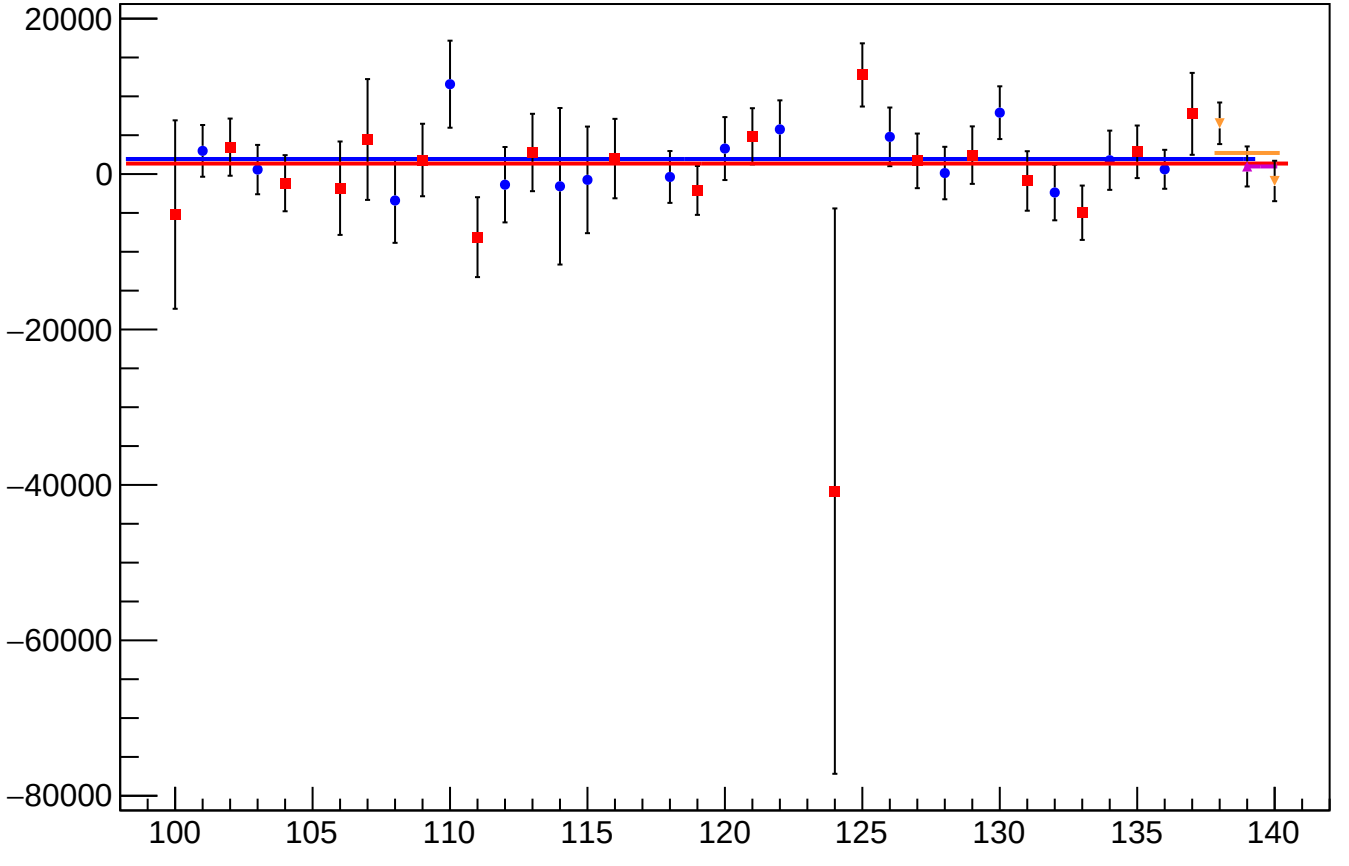
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 1078.291+/-0.271 χ^2/NDF:292578.8/16

Out: 1061.235+/-0.253 χ^2/NDF:614270.5/20

All: 1069.179+/-0.185 χ^2/NDF: 908967.0/37

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2714.077+/-1864.759 χ^2/NDF:4.0/1

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 978.490+/-2576.452 χ^2/NDF:0.0/0

Left: 2117.444+/-1510.610 χ^2/NDF: 4.3/2

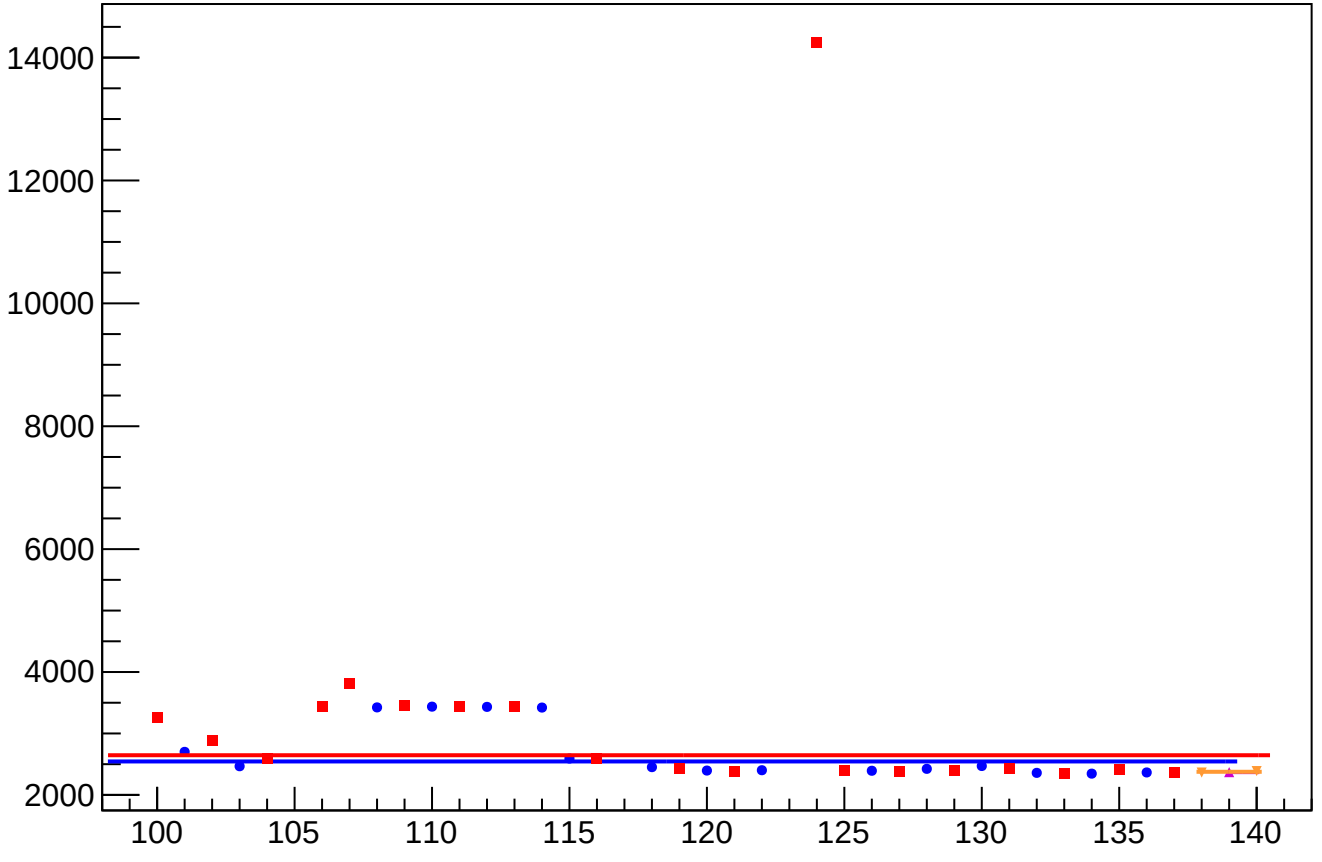
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1824.078+/-893.433 χ^2/NDF:12.4/16

Out: 1650.307+/-871.043 χ^2/NDF:26.2/20

All: 1734.988+/-623.686 χ^2/NDF: 38.6/37

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2376.142+/-1.319 χ^2/NDF:78.7/1

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2370.478+/-1.822 χ^2/NDF:0.0/0

Left: 2374.195+/-1.068 χ^2/NDF: 85.1/2

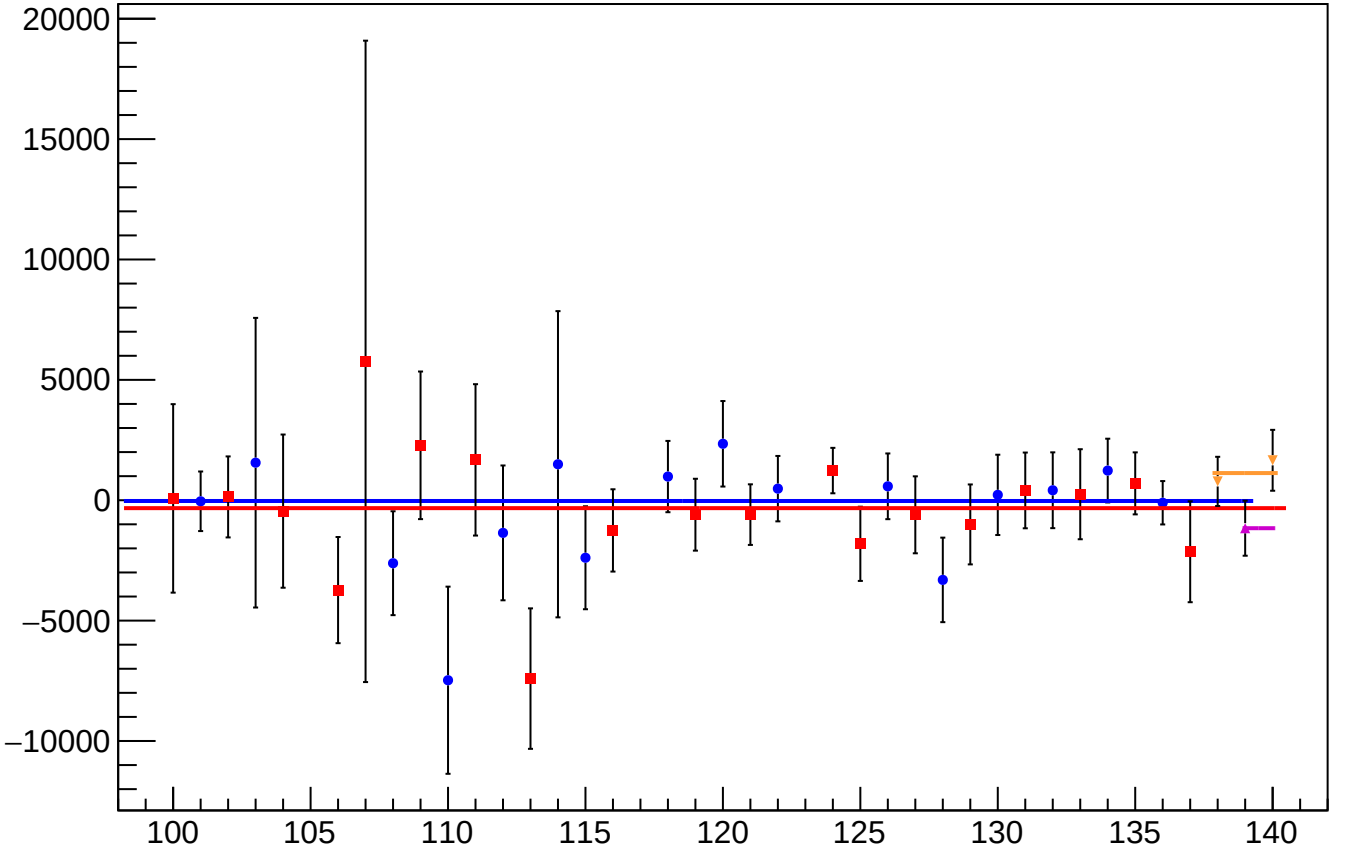
Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2523.500+/-0.632 χ^2/NDF:233633.3/16

Out: 2586.844+/-0.616 χ^2/NDF:569704.2/20

All: 2555.975+/-0.441 χ^2/NDF: 808491.7/37

asym_atl1_reg_correction_mean vs Slug, Sign Corrected



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 1128.649+/-794.729 χ^2/NDF:0.3/1

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -1161.695+/-1142.794 χ^2/NDF:0.0/0

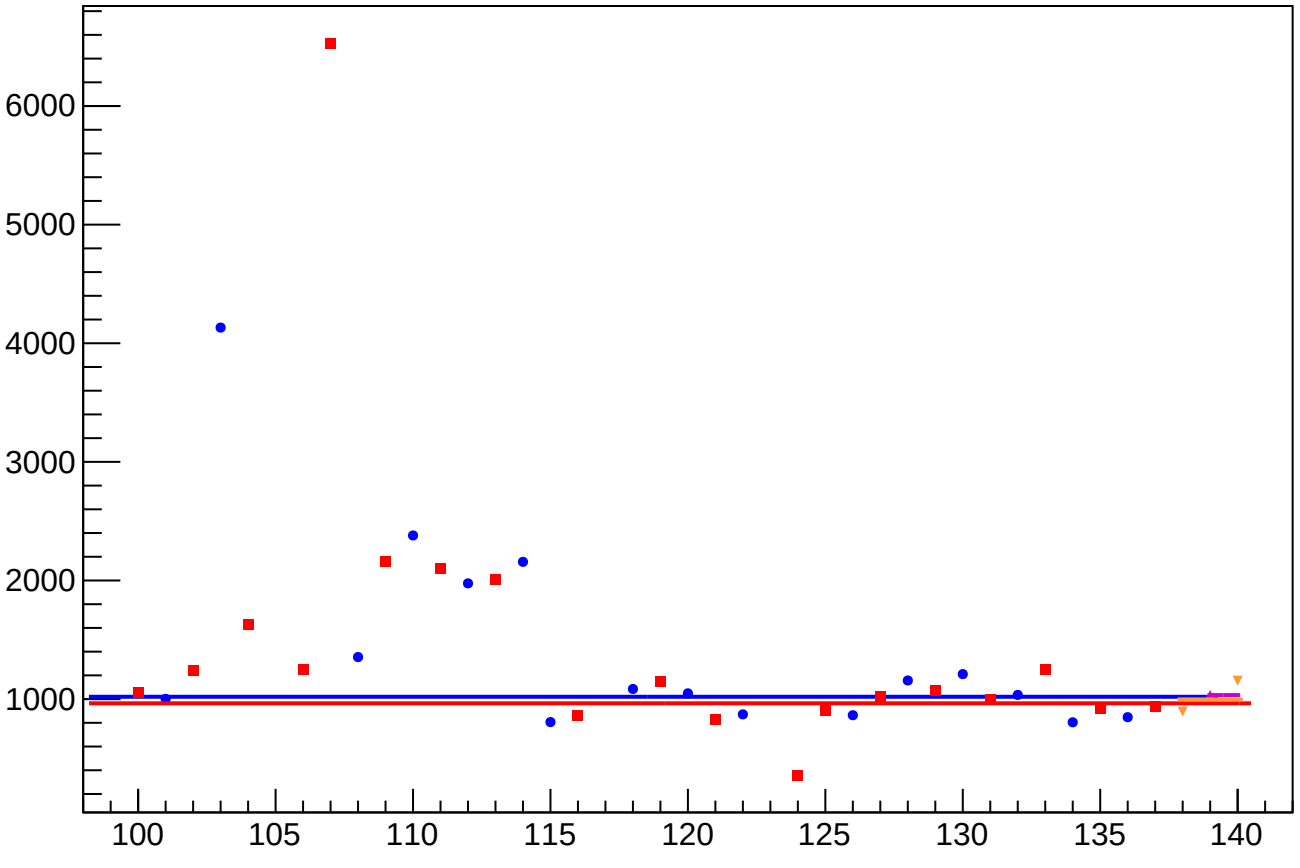
Left: 382.061+/-652.466 χ^2/NDF: 3.0/2

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -157.737+/-382.345 χ^2/NDF:14.6/16

Out: -35.638+/-356.274 χ^2/NDF:18.6/20

All: -92.383+/-260.653 χ^2/NDF: 33.3/37



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 997.233+/-0.562 χ^2/NDF:51112.5/1

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 1033.828+/-0.808 χ^2/NDF:0.0/0

Left: 1009.162+/-0.461 χ^2/NDF: 52494.8/2

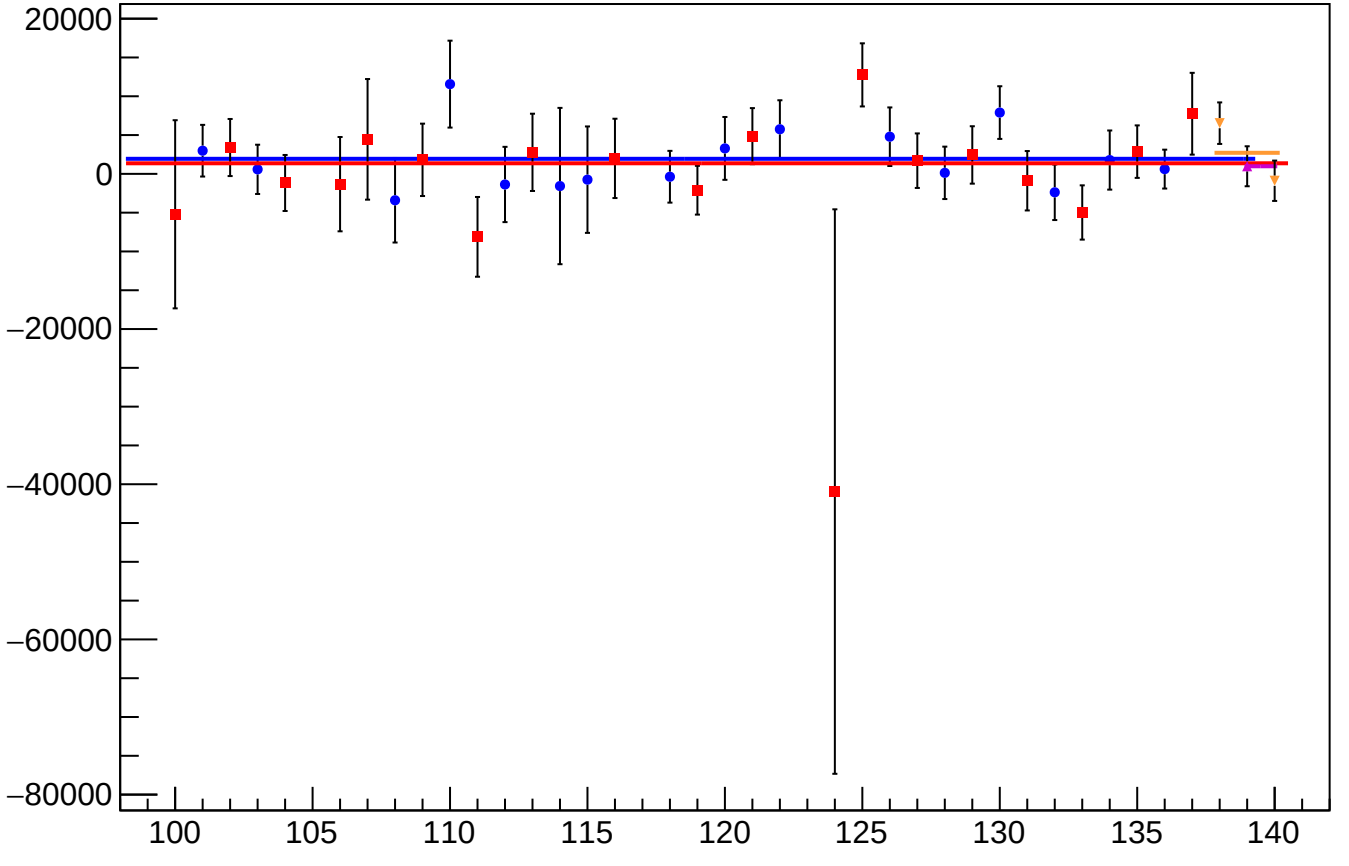
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 1021.124+/-0.270 χ^2/NDF:1365024.2/16

Out: 970.982+/-0.252 χ^2/NDF:2363202.9/20

All: 994.285+/-0.184 χ^2/NDF: 3746638.7/37

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2714.089+/-1864.759 χ^2/NDF:4.0/1

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 978.958+/-2576.452 χ^2/NDF:0.0/0

Left: 2117.613+/-1510.610 χ^2/NDF: 4.3/2

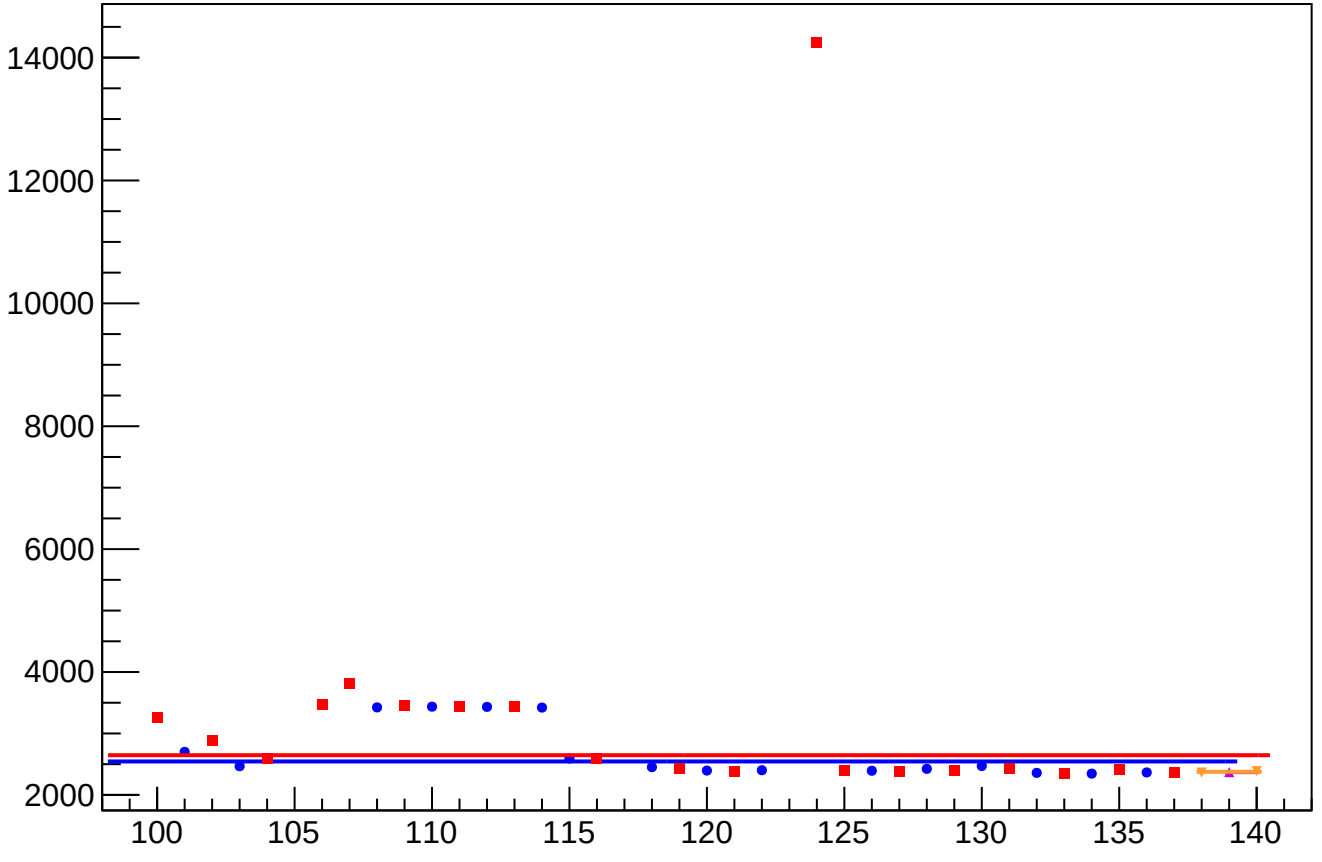
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1824.441+/-893.433 χ^2/NDF:12.4/16

Out: 1658.004+/-871.251 χ^2/NDF:26.1/20

All: 1739.130+/-623.762 χ^2/NDF: 38.4/37

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2376.142+/-1.319 χ^2/NDF:78.7/1

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2370.478+/-1.822 χ^2/NDF:0.0/0

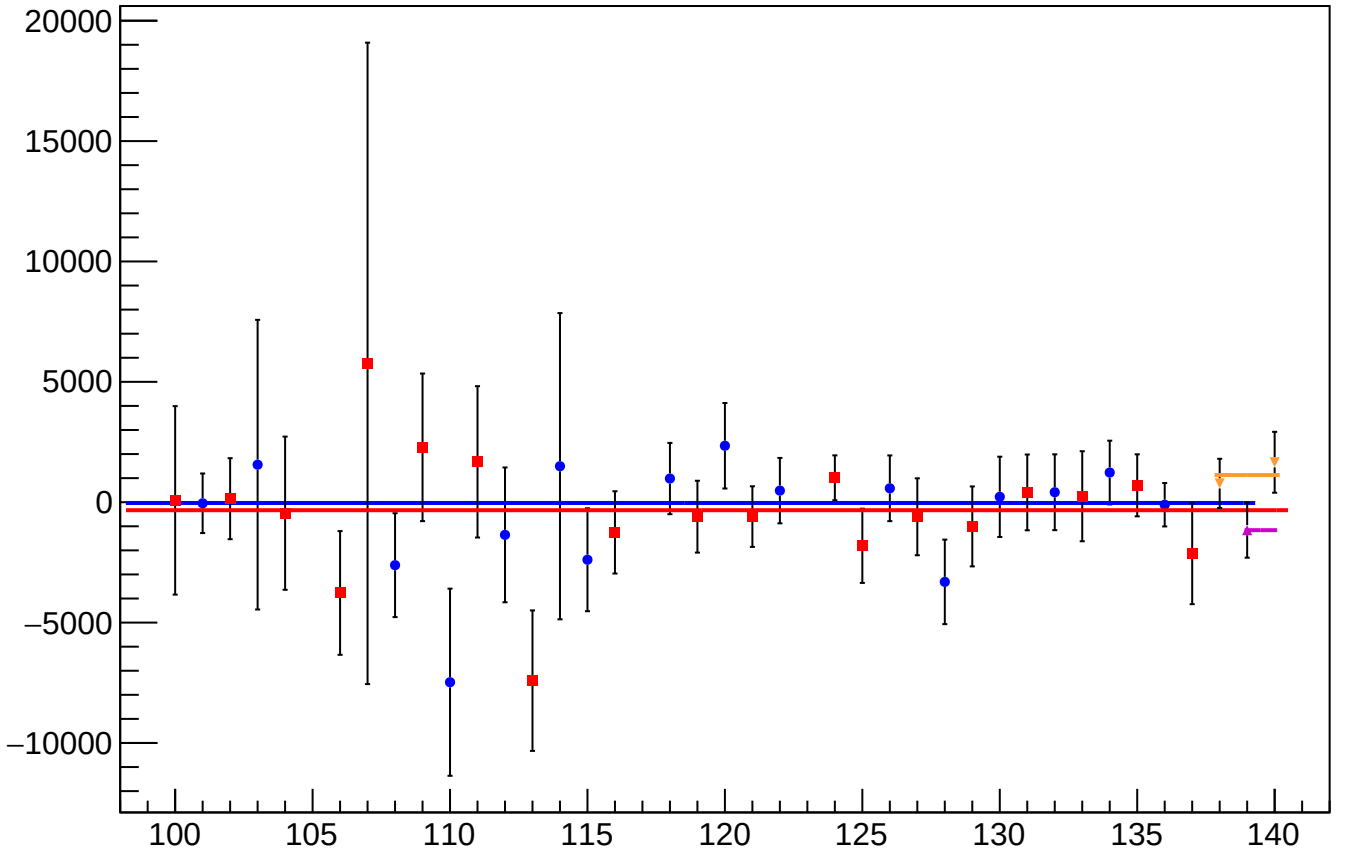
Left: 2374.195+/-1.068 χ^2/NDF: 85.1/2

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2523.500+/-0.632 χ^2/NDF:233633.3/16

Out: 2587.250+/-0.616 χ^2/NDF:572416.4/20

All: 2556.176+/-0.441 χ^2/NDF: 811269.1/37



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 1128.678+/-794.733 χ^2/NDF:0.3/1

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -1161.818+/-1142.794 χ^2/NDF:0.0/0

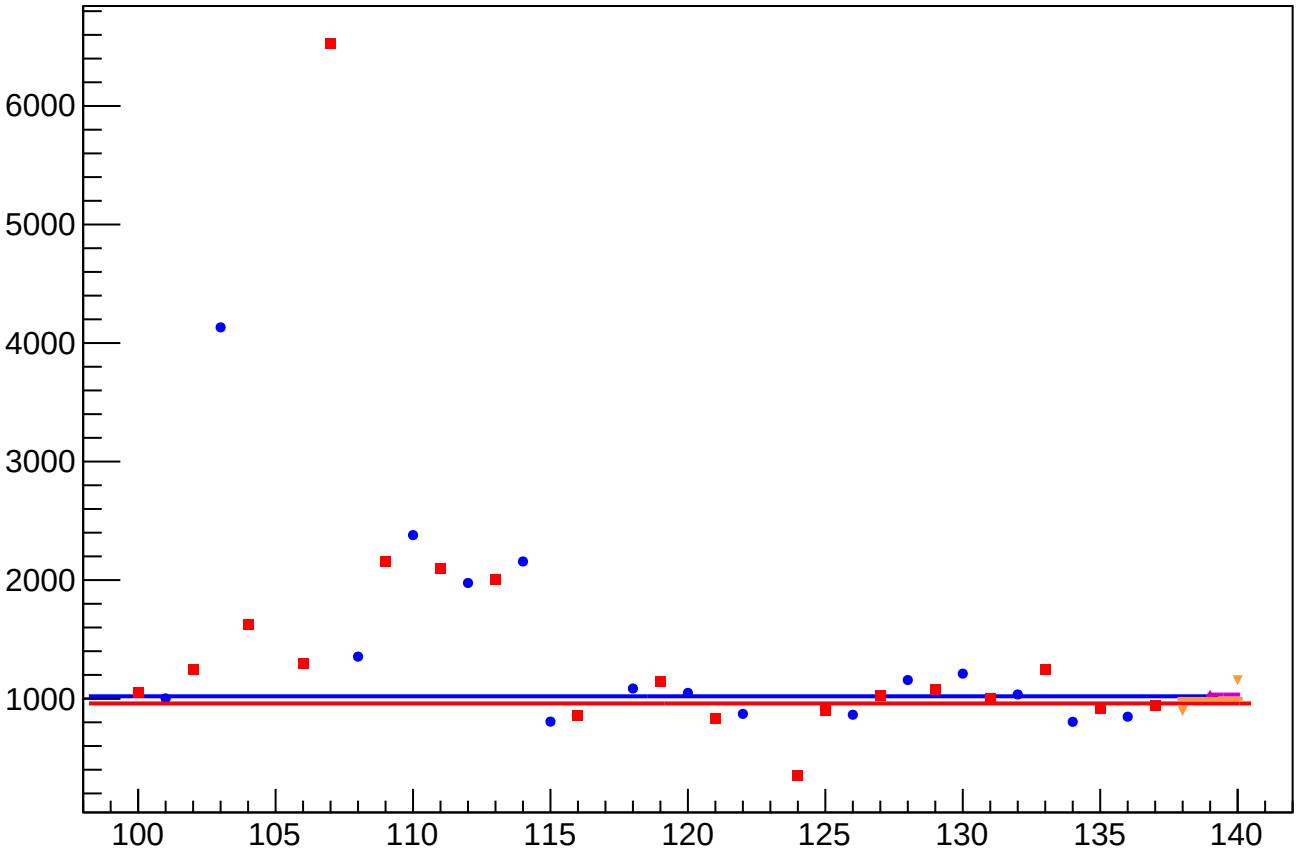
Left: 382.036+/-652.468 χ^2/NDF: 3.0/2

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -157.804+/-382.342 χ^2/NDF:14.6/16

Out: -37.518+/-356.821 χ^2/NDF:17.4/20

All: -93.513+/-260.867 χ^2/NDF: 32.1/37



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 997.240+/-0.562 χ^2/NDF:51106.3/1

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 1033.824+/-0.808 χ^2/NDF:0.0/0

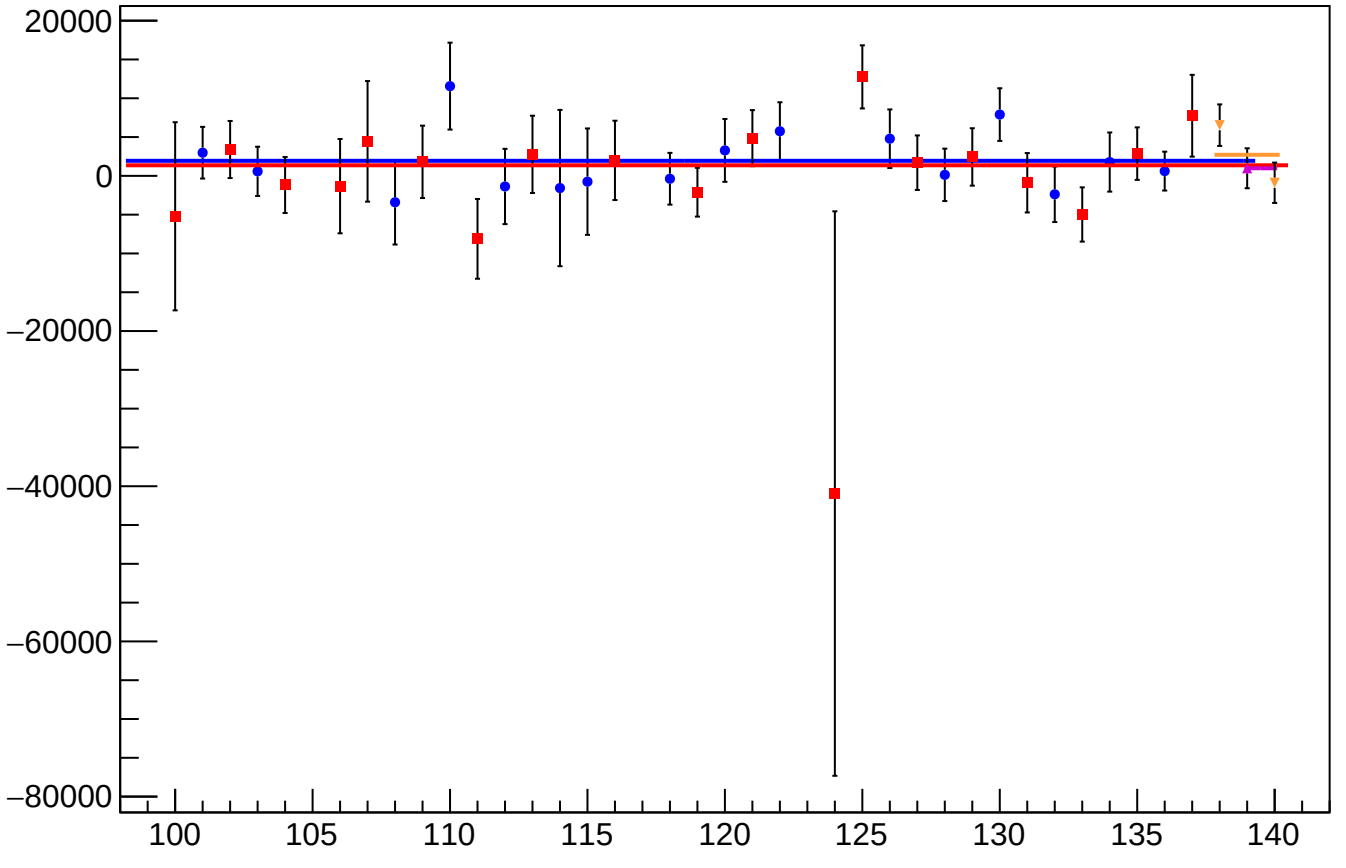
Left: 1009.165+/-0.461 χ^2/NDF: 52487.9/2

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 1021.116+/-0.270 χ^2/NDF:1365019.5/16

Out: 966.983+/-0.252 χ^2/NDF:2399171.8/20

All: 992.183+/-0.184 χ^2/NDF: 3785619.2/37



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2714.089+/-1864.759 χ^2/NDF:4.0/1

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 978.958+/-2576.452 χ^2/NDF:0.0/0

Left: 2117.613+/-1510.610 χ^2/NDF: 4.3/2

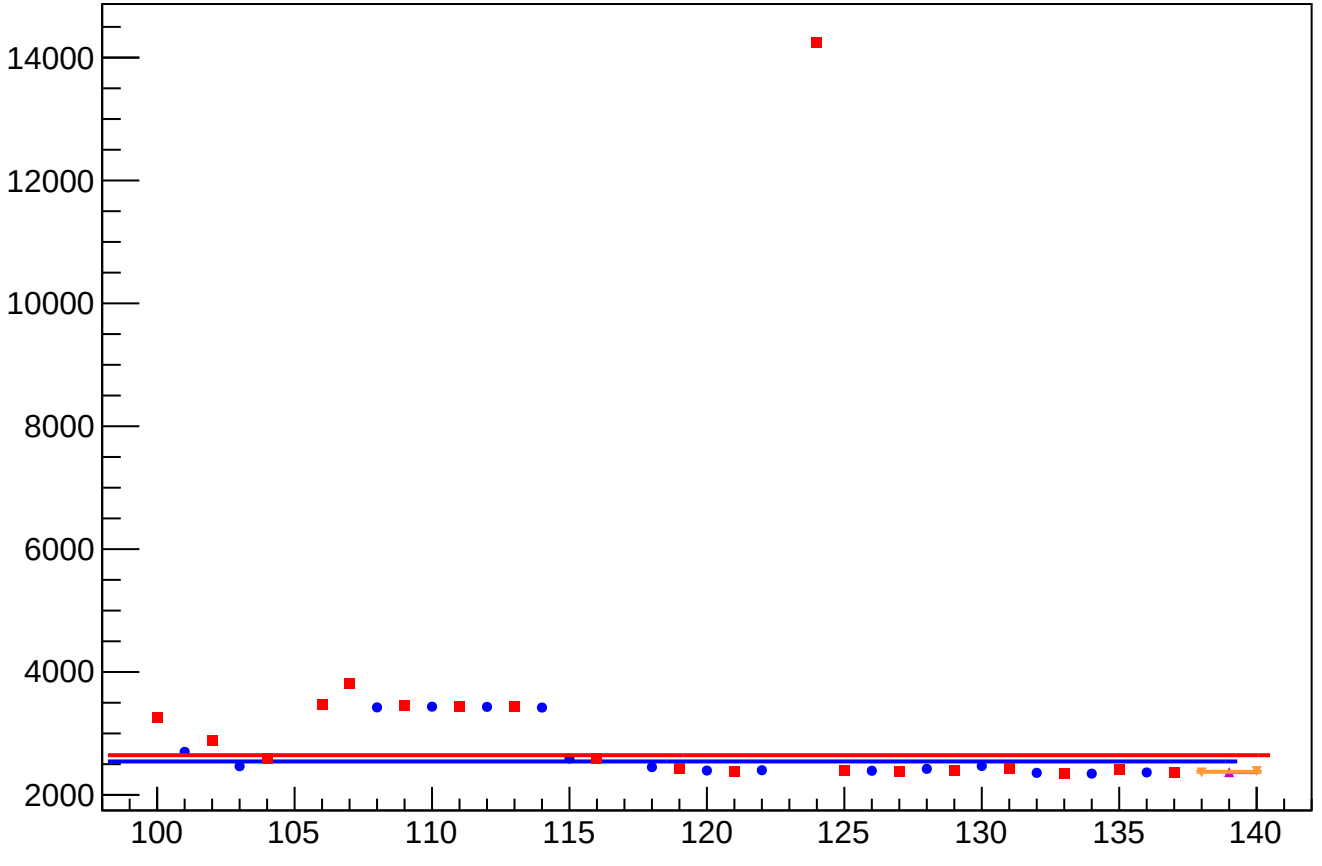
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1824.441+/-893.433 χ^2/NDF:12.4/16

Out: 1658.004+/-871.251 χ^2/NDF:26.1/20

All: 1739.130+/-623.762 χ^2/NDF: 38.4/37

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2376.142+/-1.319 χ^2/NDF:78.7/1

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2370.478+/-1.822 χ^2/NDF:0.0/0

Left: 2374.195+/-1.068 χ^2/NDF: 85.1/2

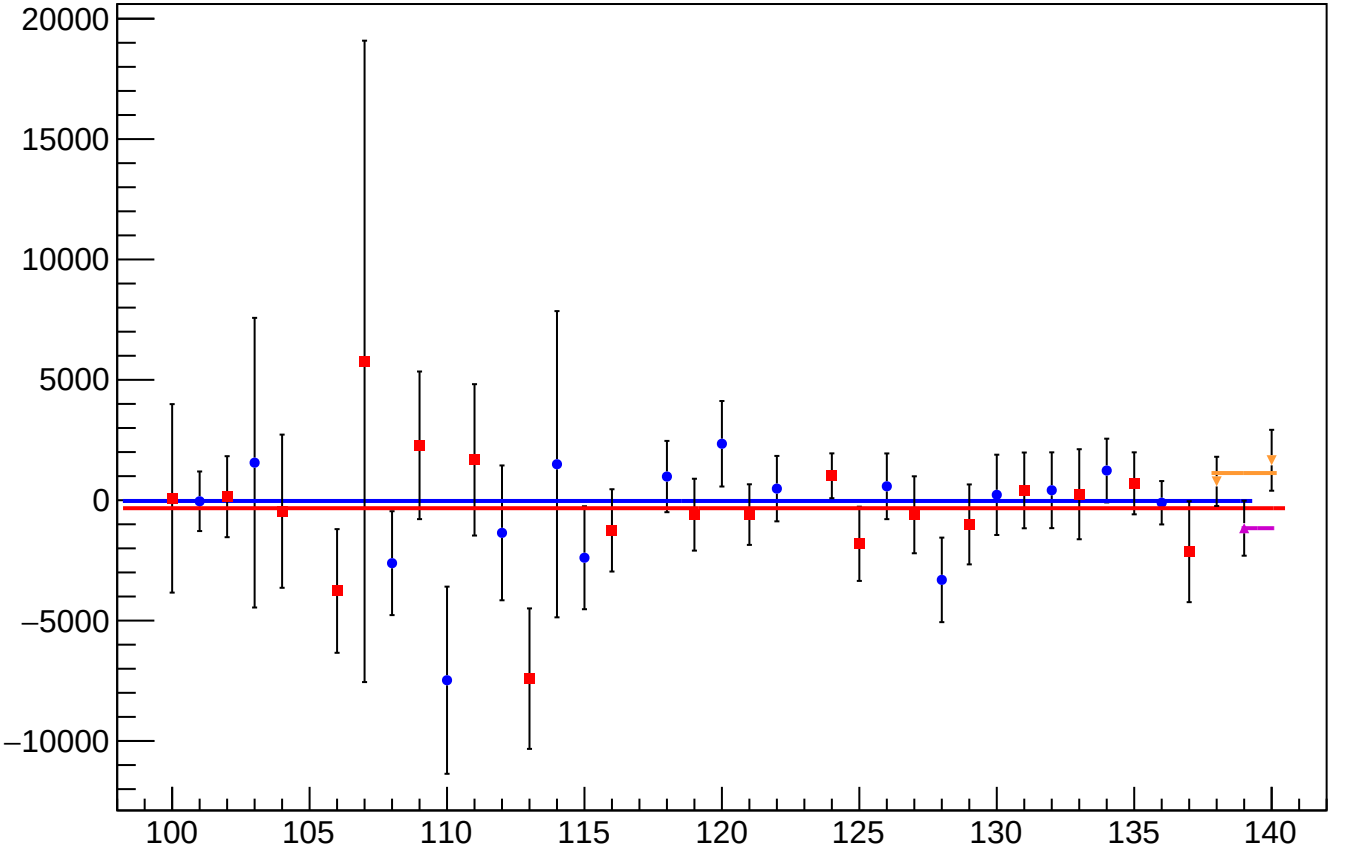
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2523.500+/-0.632 χ^2/NDF:233633.3/16

Out: 2587.250+/-0.616 χ^2/NDF:572416.4/20

All: 2556.176+/-0.441 χ^2/NDF: 811269.1/37

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 1128.678+/-794.733 χ^2/NDF:0.3/1

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -1161.818+/-1142.794 χ^2/NDF:0.0/0

Left: 382.036+/-652.468 χ^2/NDF: 3.0/2

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -157.804+/-382.342 χ^2/NDF:14.6/16

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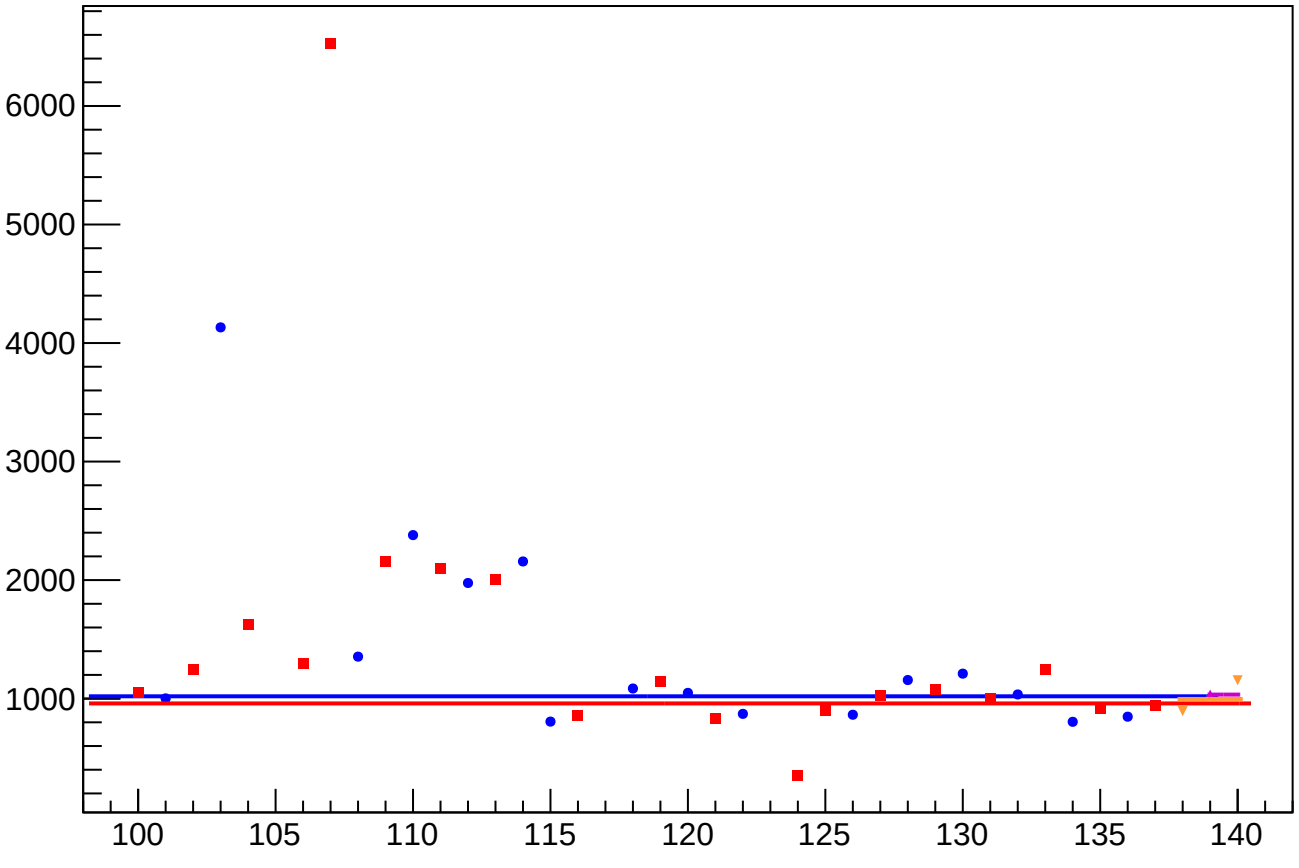
All: -93.513+/-260.867 χ^2/NDF: 32.1/37



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 997.240+/-0.562 χ^2/NDF:51106.3/1

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 1033.824+/-0.808 χ^2/NDF:0.0/0

Left: 1009.165+/-0.461 χ^2/NDF: 52487.9/2

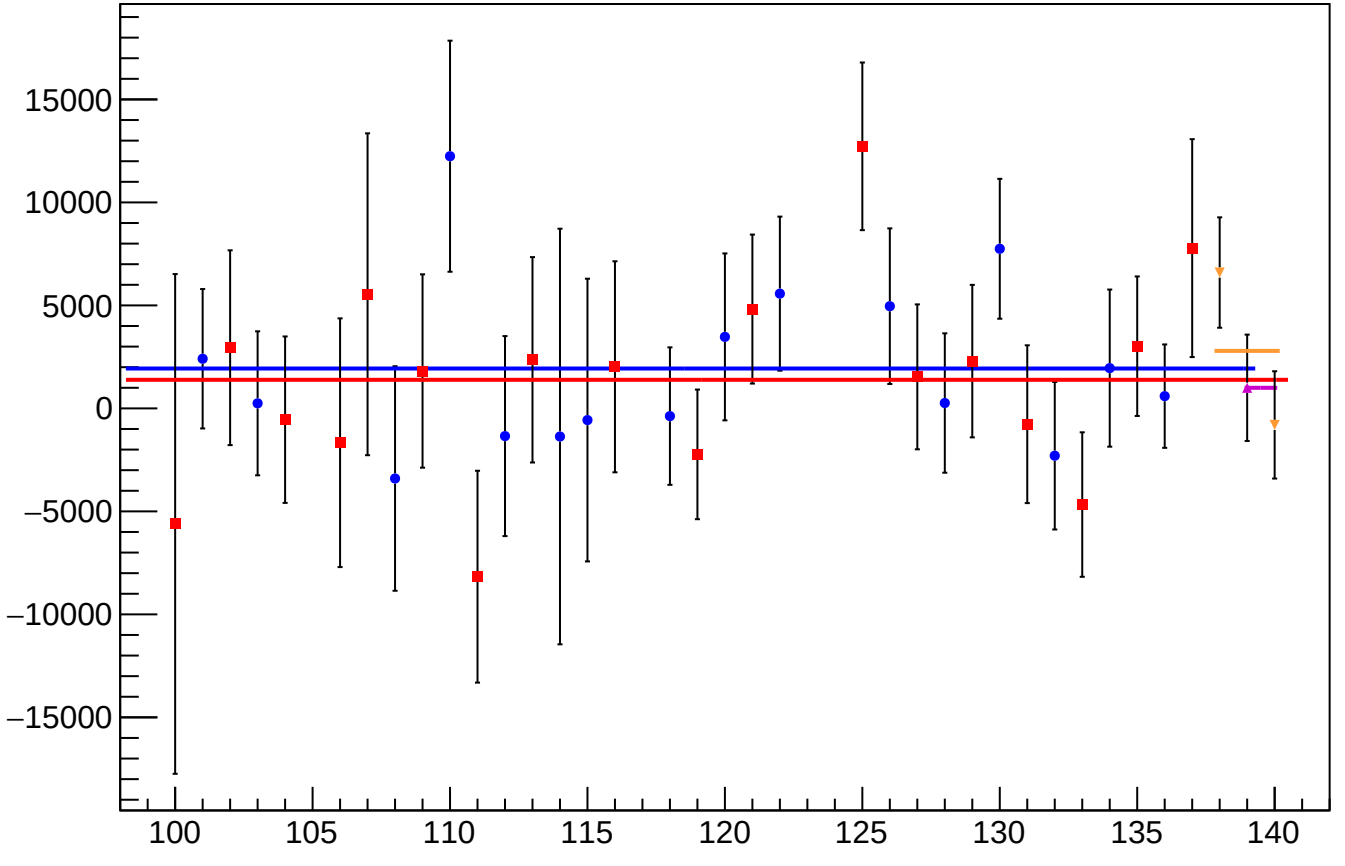
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 1021.116+/-0.270 χ^2/NDF:1365019.5/16

Out: 966.983+/-0.252 χ^2/NDF:2399171.8/20

All: 992.183+/-0.184 χ^2/NDF: 3785619.2/37

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2791.798+/-1867.753 χ^2/NDF:3.9/1

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1000.091+/-2581.391 χ^2/NDF:0.0/0

Left: 2176.124+/-1513.198 χ^2/NDF: 4.2/2

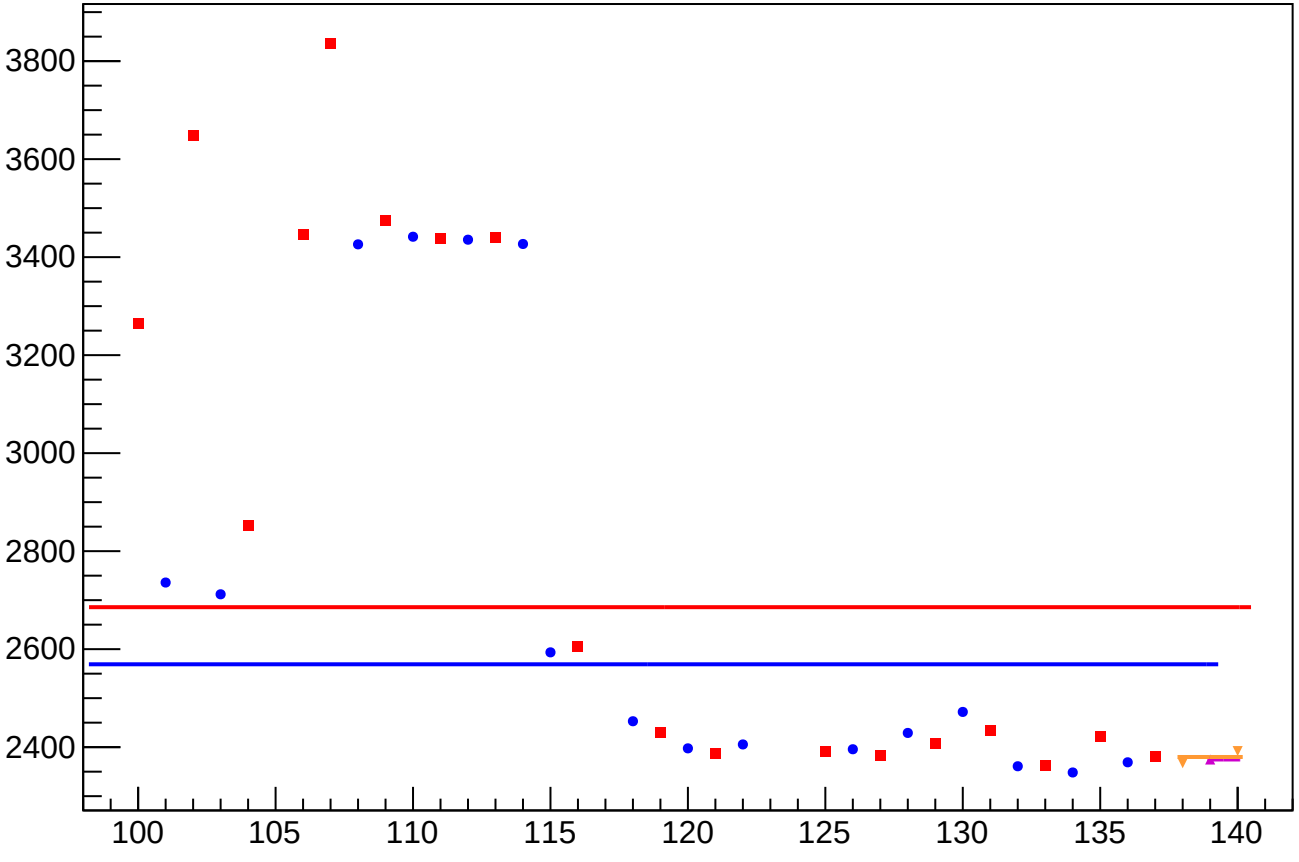
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1821.796+/-901.703 χ^2/NDF:12.5/16

Out: 1704.833+/-887.814 χ^2/NDF:24.1/19

All: 1762.407+/-632.633 χ^2/NDF: 36.6/36

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2379.945+/-1.321 χ^2/NDF:87.3/1

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2374.862+/-1.825 χ^2/NDF:0.0/0

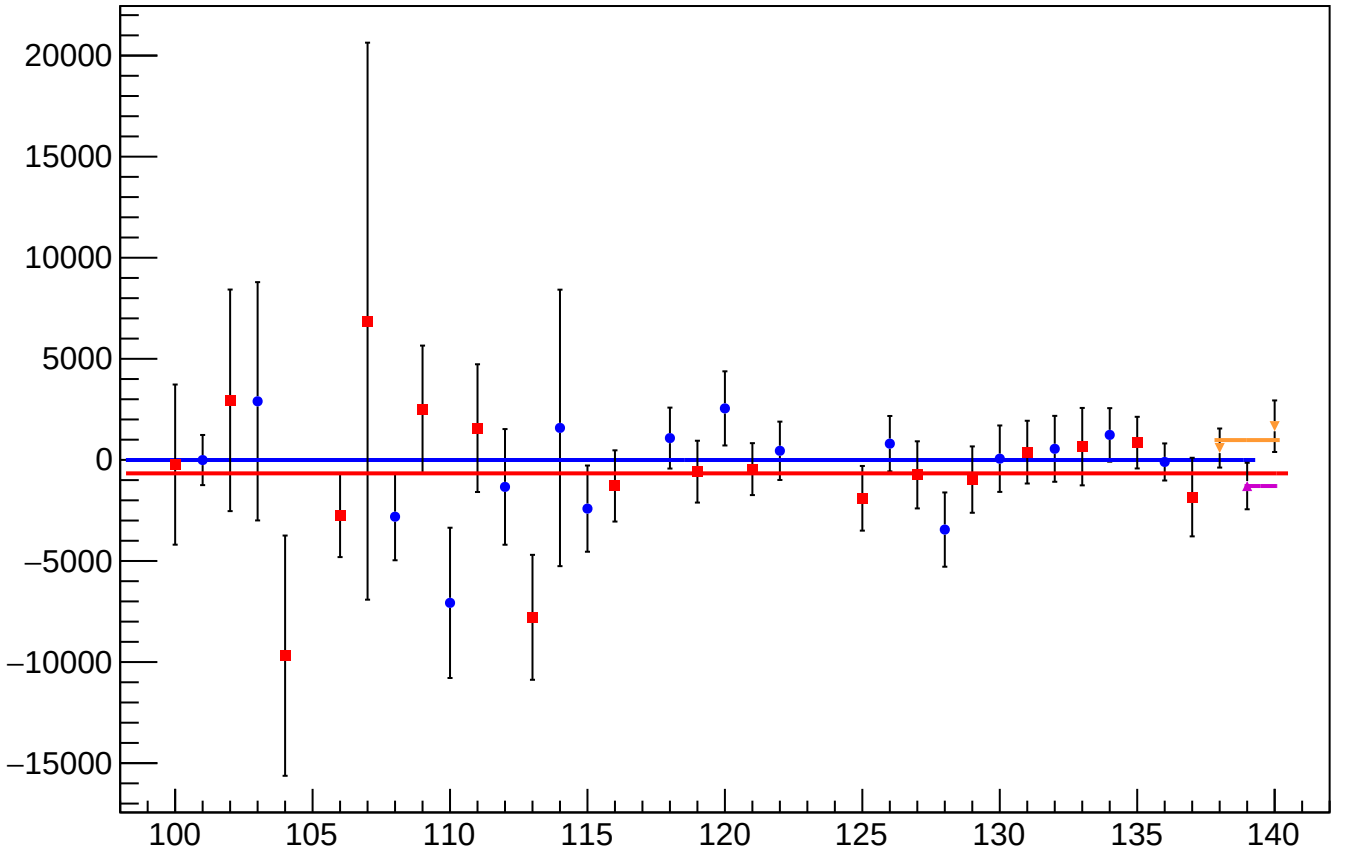
Left: 2378.198+/-1.070 χ^2/NDF: 92.4/2

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2545.426+/-0.638 χ^2/NDF:239432.6/16

Out: 2616.596+/-0.628 χ^2/NDF:460832.0/19

All: 2581.563+/-0.447 χ^2/NDF: 706591.0/36



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 980.291+/-770.107 χ^2/NDF:0.5/1

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -1292.468+/-1150.113 χ^2/NDF:0.0/0

Left: 276.733+/-639.903 χ^2/NDF: 3.2/2

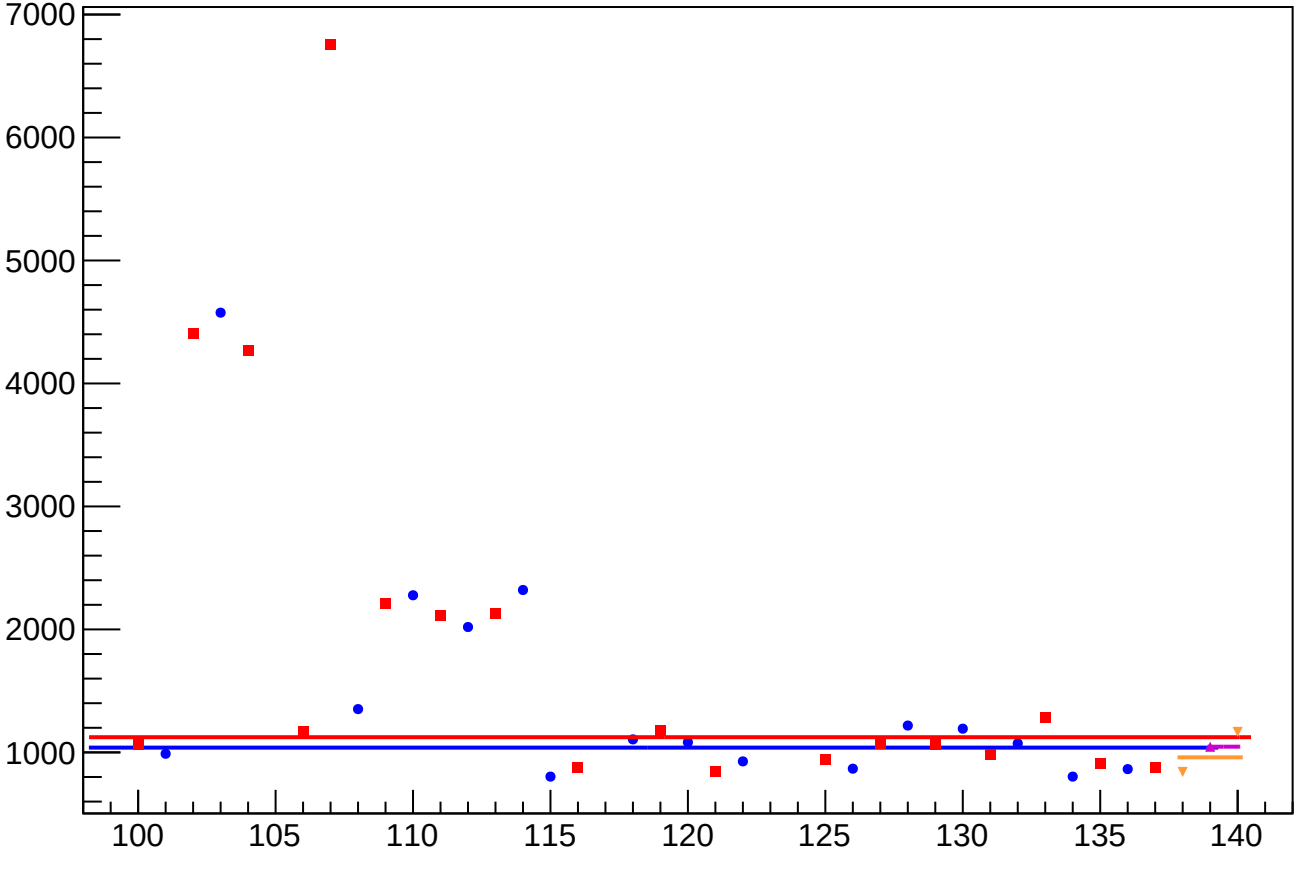
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -151.731+/-388.071 χ^2/NDF:15.6/16

Out: -232.335+/-395.237 χ^2/NDF:18.2/19

All: -191.295+/-276.907 χ^2/NDF: 33.8/36

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 959.602+/-0.545 χ^2/NDF:82742.4/1

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 1046.308+/-0.813 χ^2/NDF:0.0/0

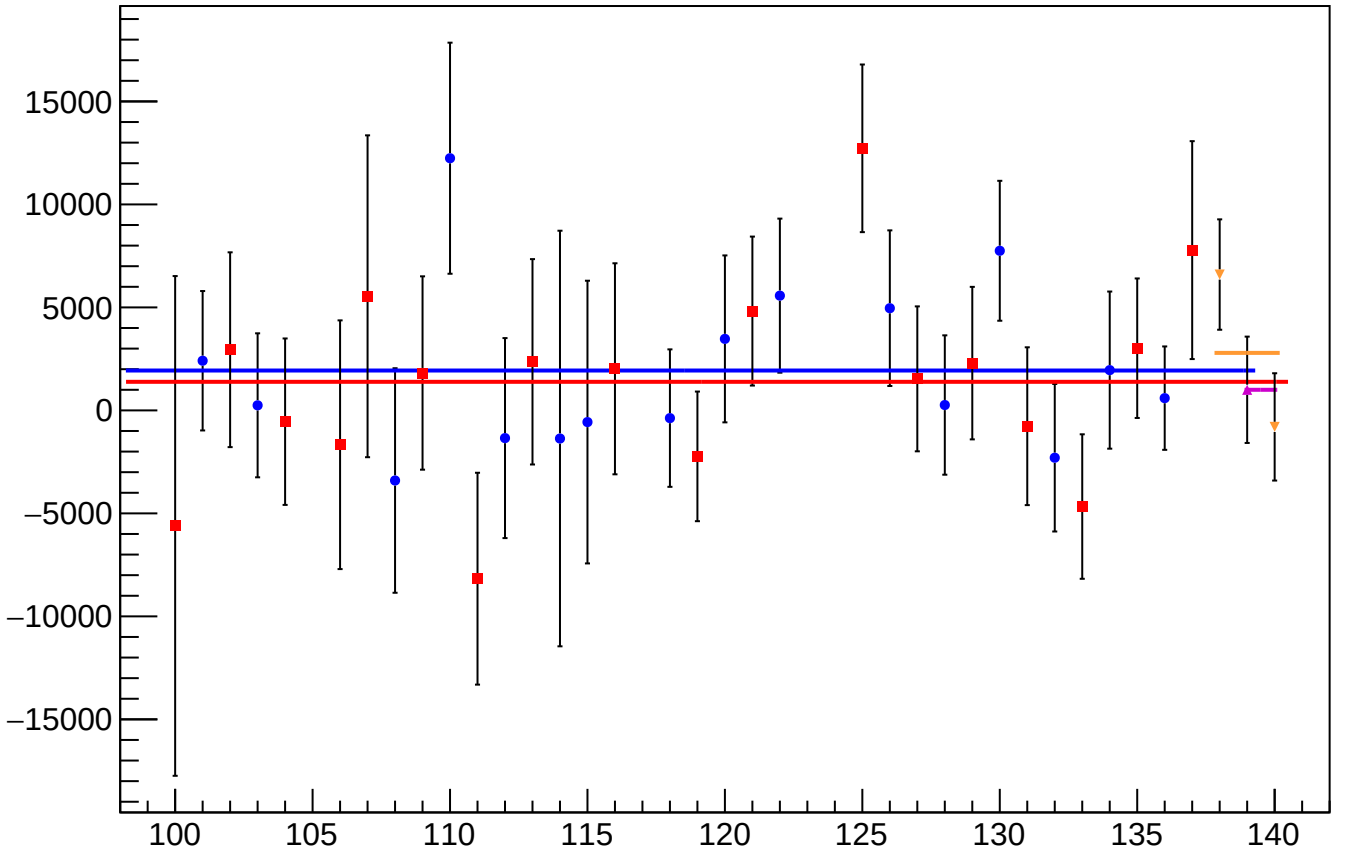
Left: 986.443+/-0.452 χ^2/NDF: 90590.6/2

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 1039.657+/-0.274 χ^2/NDF:1539806.6/16

Out: 1080.311+/-0.279 χ^2/NDF:2684960.9/19

All: 1059.612+/-0.196 χ^2/NDF: 4235540.8/36



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2791.799+/-1867.753 χ^2/NDF:3.9/1

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1000.091+/-2581.391 χ^2/NDF:0.0/0

Left: 2176.125+/-1513.198 χ^2/NDF: 4.2/2

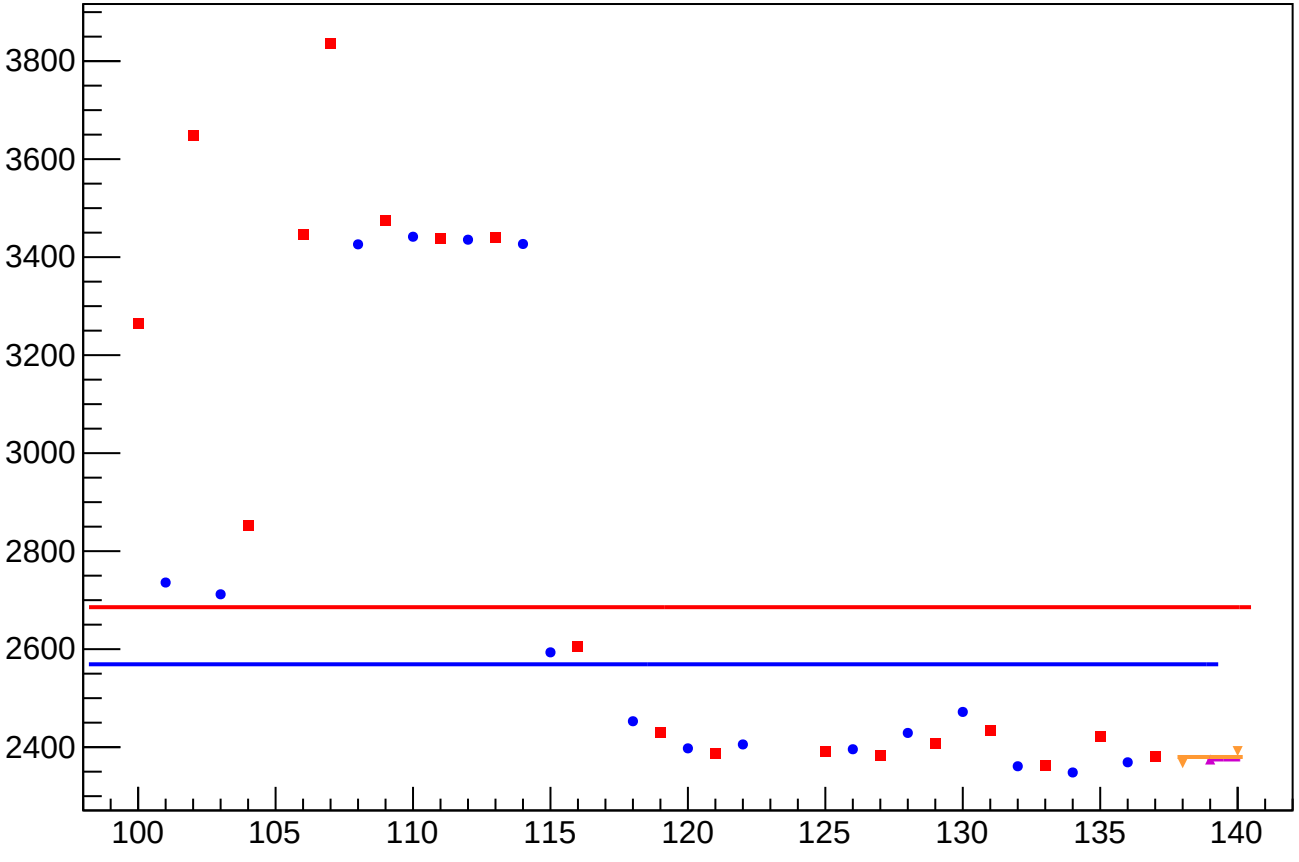
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1821.793+/-901.703 χ^2/NDF:12.5/16

Out: 1704.831+/-887.814 χ^2/NDF:24.1/19

All: 1762.404+/-632.633 χ^2/NDF: 36.6/36

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2379.945+/-1.321 χ^2/NDF:87.3/1

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2374.862+/-1.825 χ^2/NDF:0.0/0

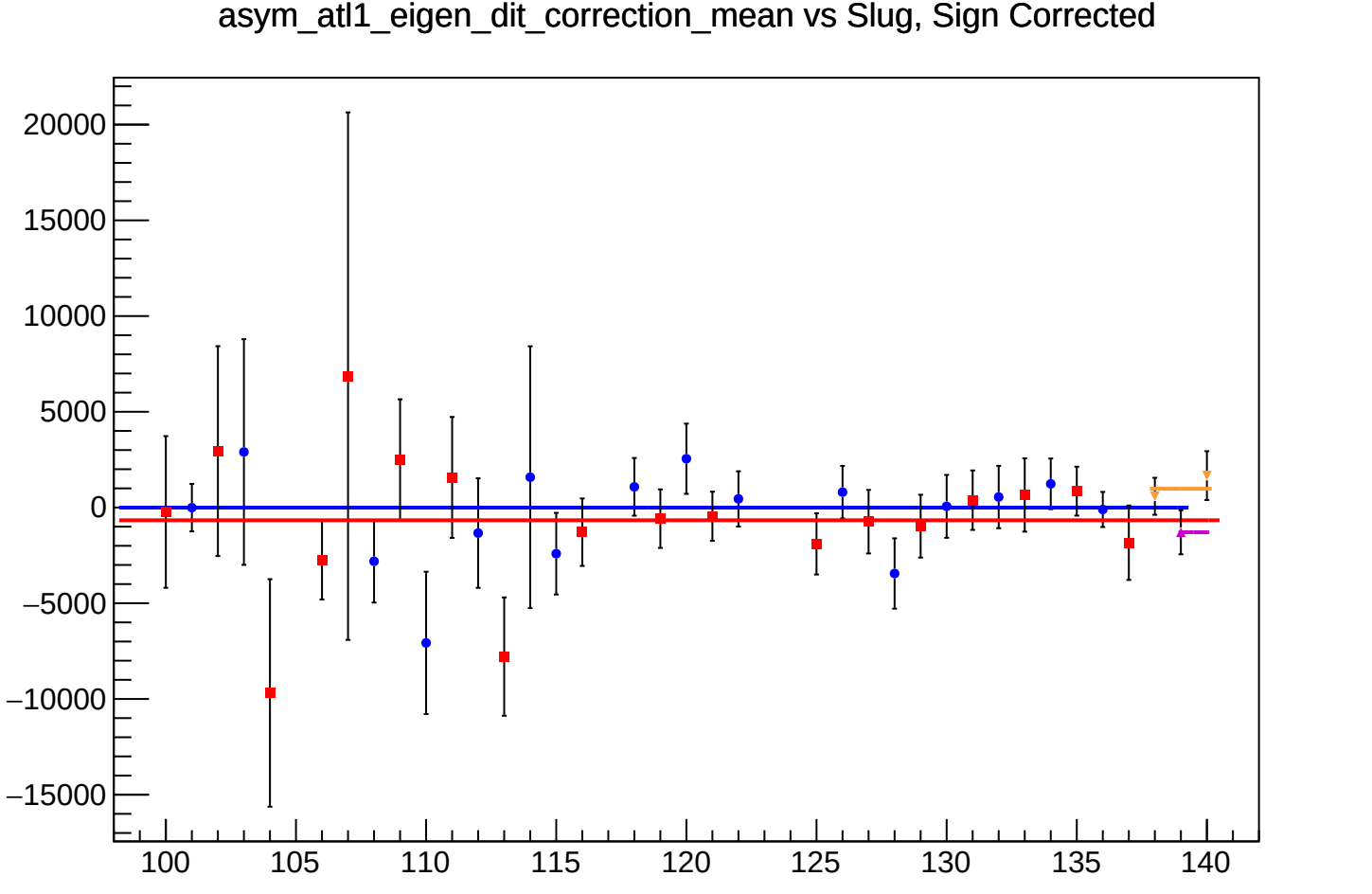
Left: 2378.198+/-1.070 χ^2/NDF: 92.4/2

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2545.426+/-0.638 χ^2/NDF:239432.3/16

Out: 2616.596+/-0.628 χ^2/NDF:460831.3/19

All: 2581.563+/-0.447 χ^2/NDF: 706590.0/36



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 980.292+/-770.108 χ^2/NDF:0.5/1

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -1292.471+/-1150.114 χ^2/NDF:0.0/0

Left: 276.733+/-639.903 χ^2/NDF: 3.2/2

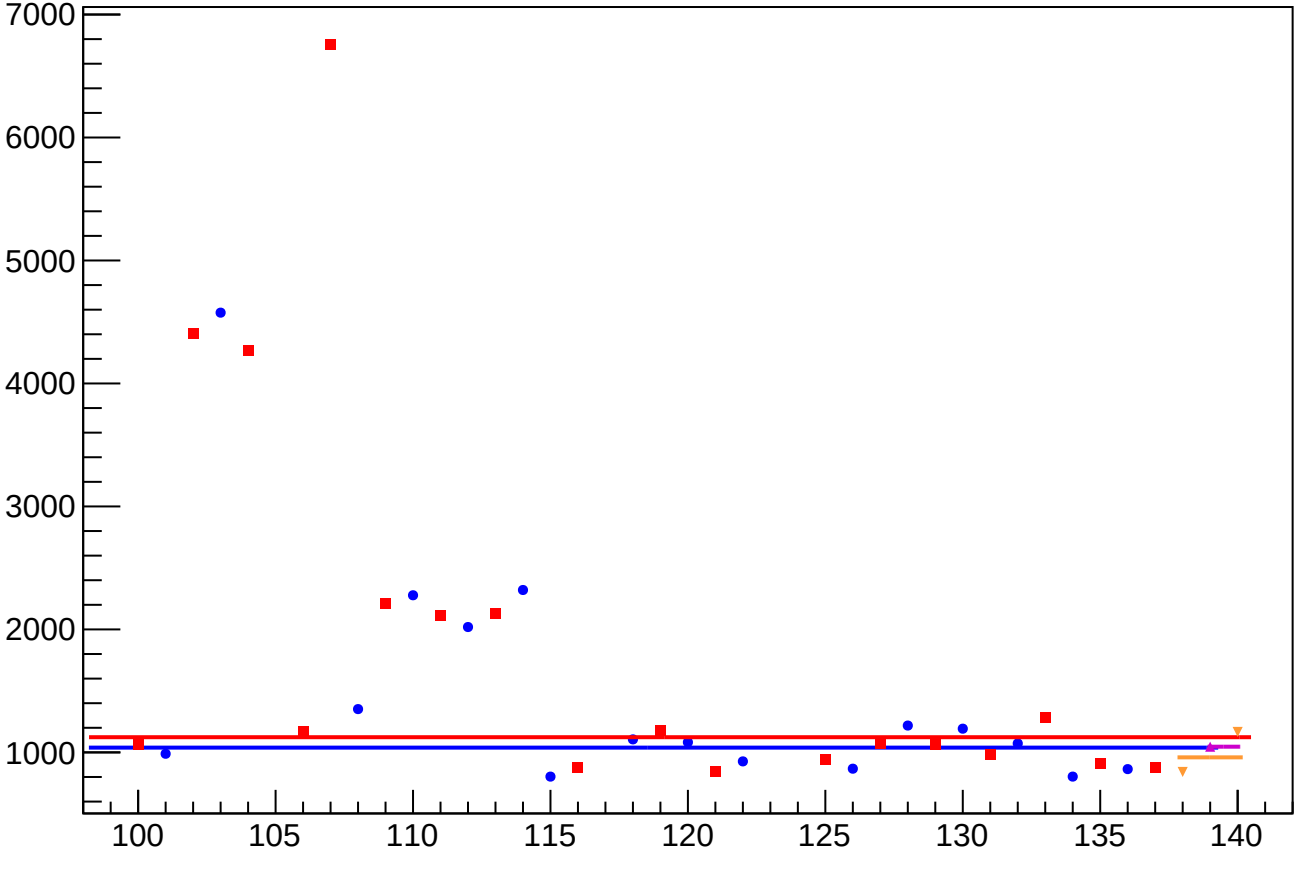
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -151.734+/-388.071 χ^2/NDF:15.6/16

Out: -232.335+/-395.237 χ^2/NDF:18.2/19

All: -191.297+/-276.907 χ^2/NDF: 33.8/36

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 959.603+/-0.545 χ^2/NDF:82742.9/1

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 1046.309+/-0.813 χ^2/NDF:0.0/0

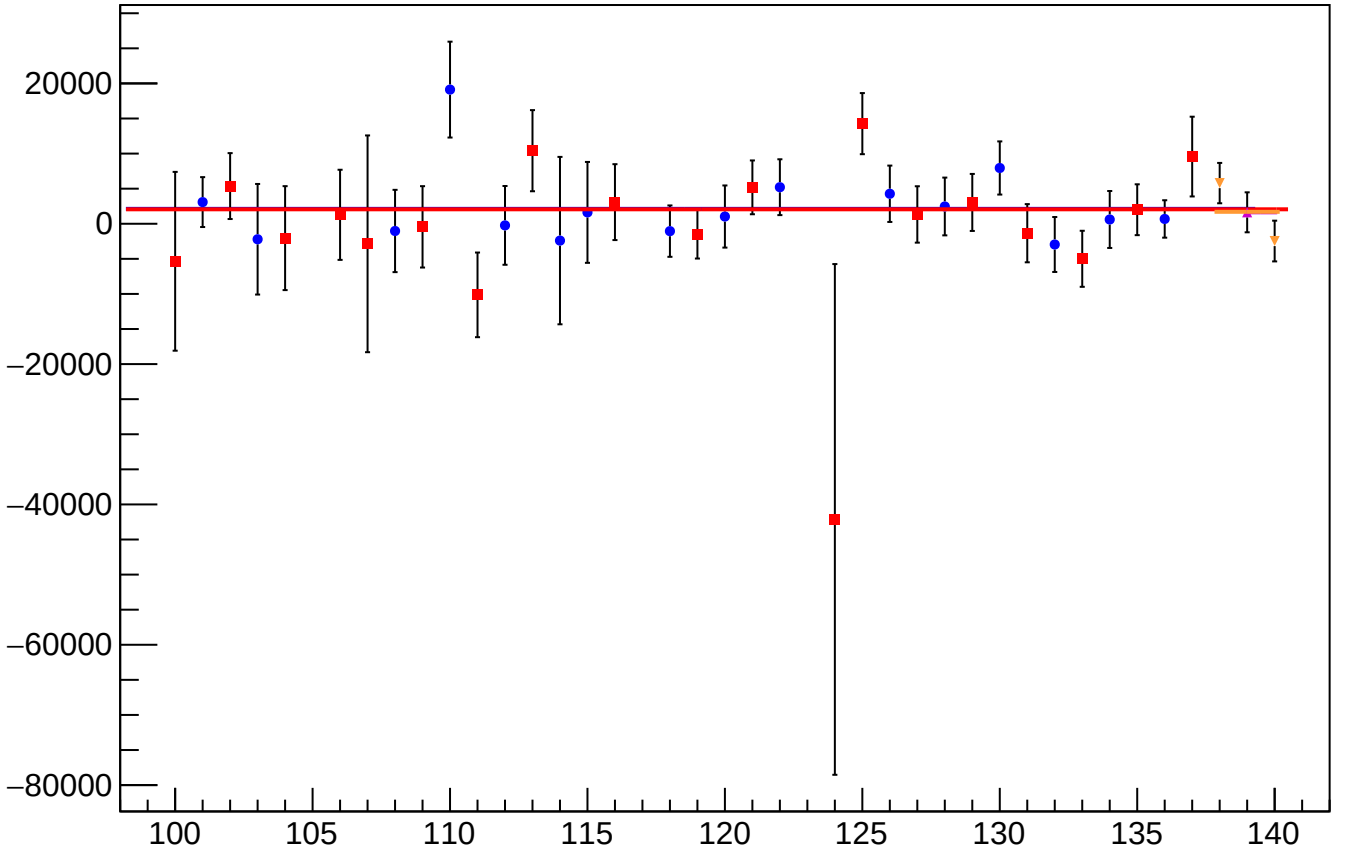
Left: 986.444+/-0.452 χ^2/NDF: 90591.1/2

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 1039.658+/-0.274 χ^2/NDF:1539800.3/16

Out: 1080.311+/-0.279 χ^2/NDF:2684959.1/19

All: 1059.613+/-0.196 χ^2/NDF: 4235532.4/36



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1703.646+/-2042.654 χ^2/NDF:4.1/1

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1630.839+/-2848.250 χ^2/NDF:0.0/0

Left: 1678.918+/-1659.915 χ^2/NDF: 4.1/2

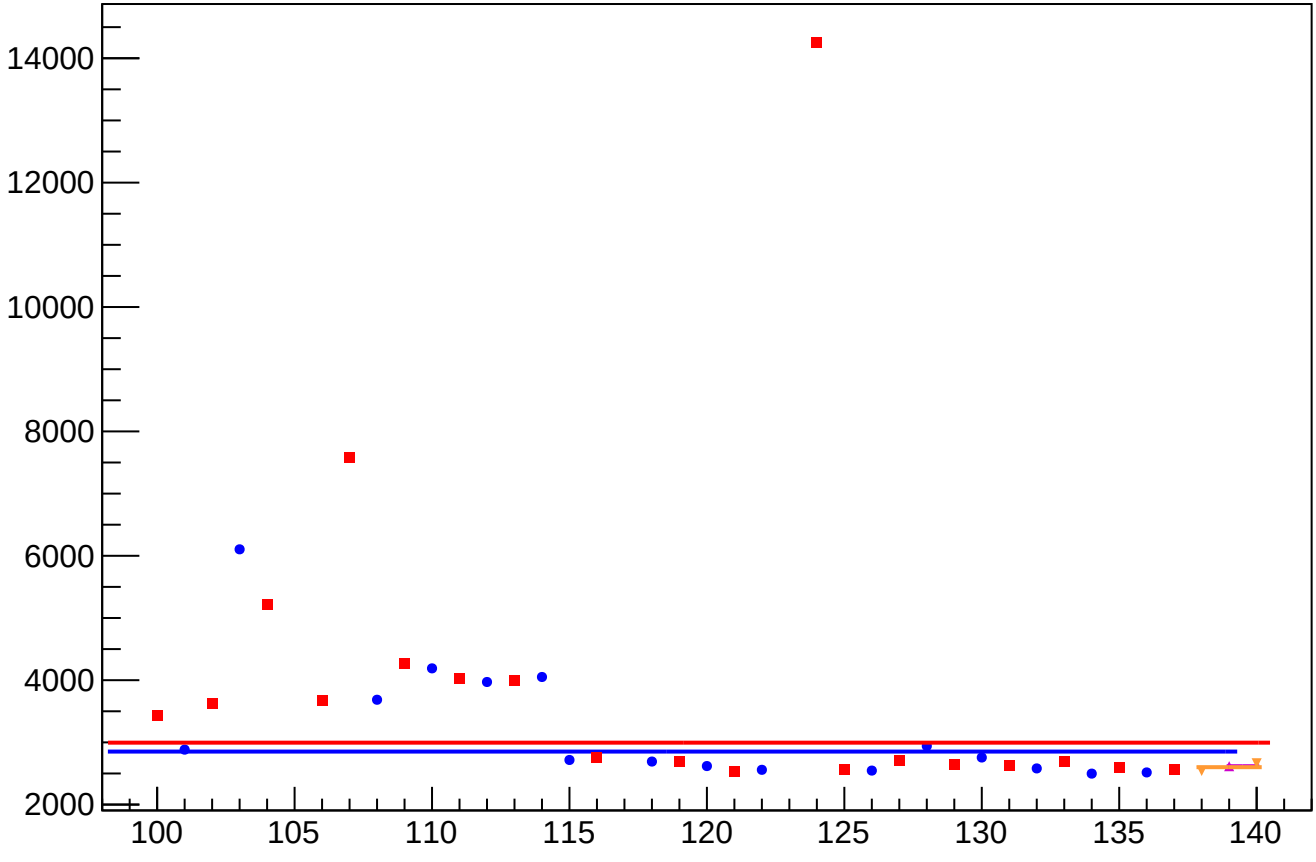
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 2059.781+/-1013.680 χ^2/NDF:13.4/16

Out: 1975.530+/-993.335 χ^2/NDF:28.4/20

All: 2016.802+/-709.478 χ^2/NDF: 41.8/37

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2601.401+/-1.444 χ^2/NDF:1836.6/1

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2617.294+/-2.014 χ^2/NDF:0.0/0

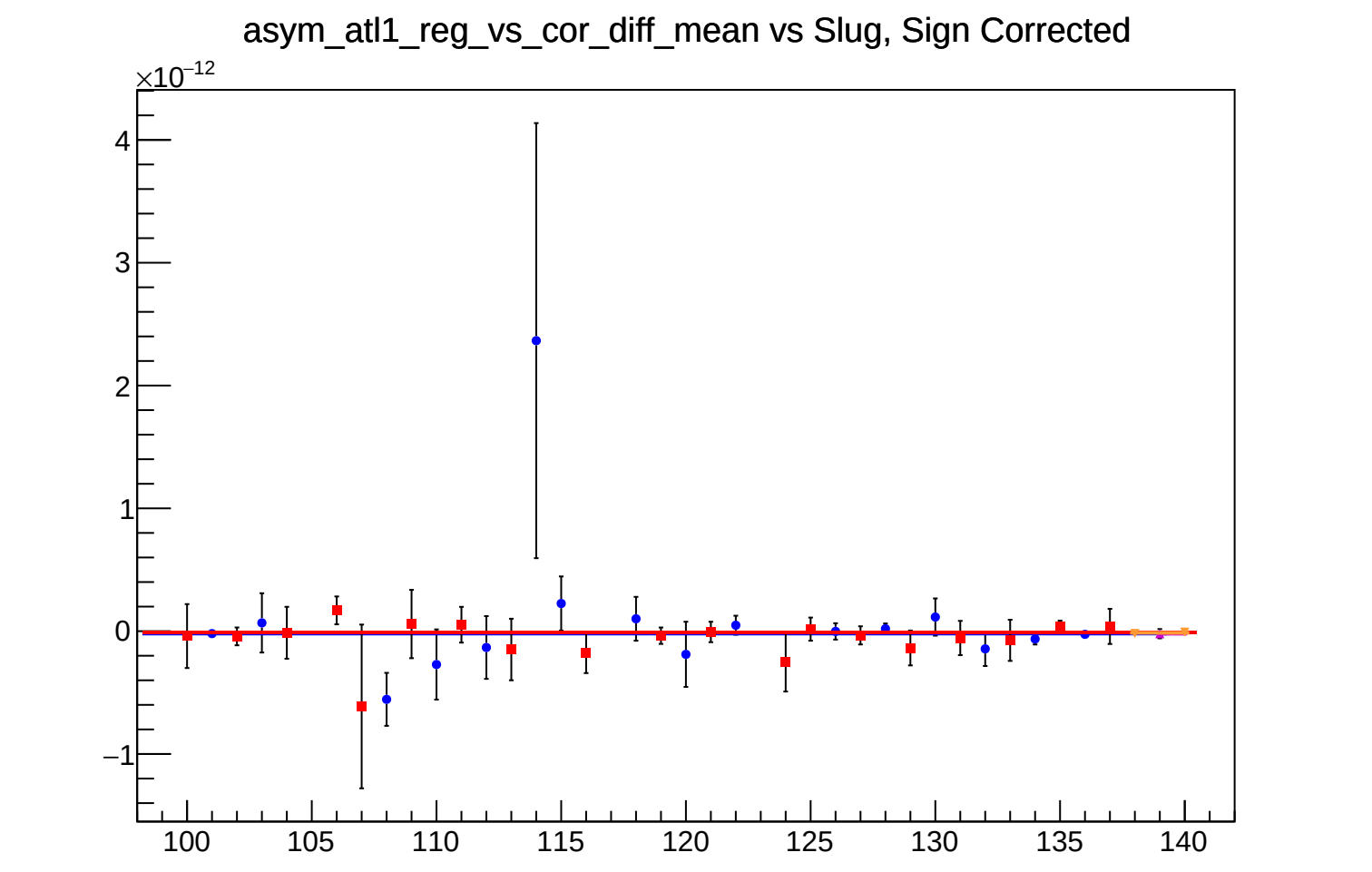
Left: 2606.799+/-1.174 χ^2/NDF: 1877.7/2

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2822.451+/-0.717 χ^2/NDF:660596.6/16

Out: 2902.321+/-0.702 χ^2/NDF:1037854.5/20

All: 2863.196+/-0.502 χ^2/NDF: 1704785.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

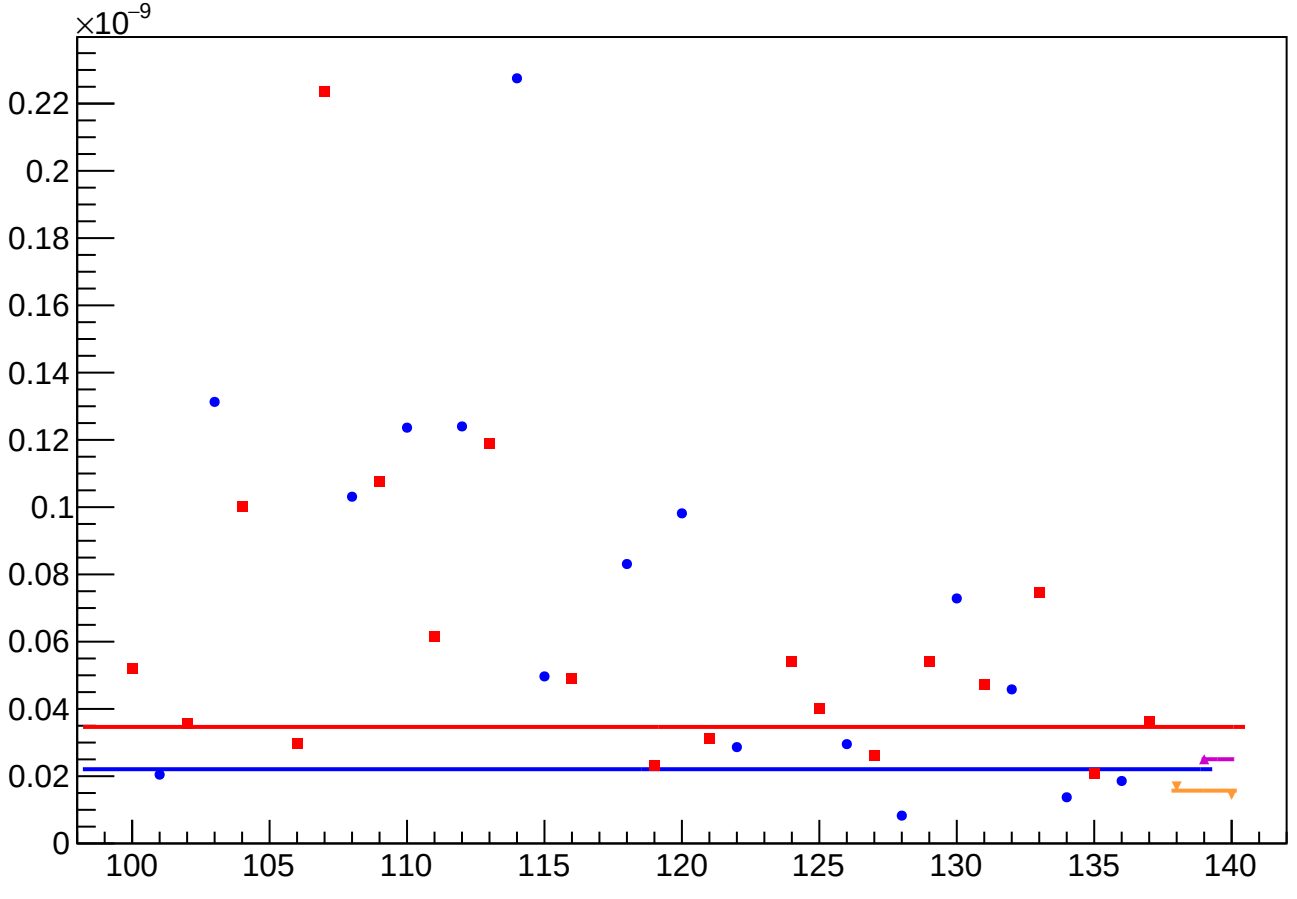
Left: -0.000+/-0.000 χ^2/NDF: 0.1/2

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:15.4/16

Out: -0.000+/-0.000 χ^2/NDF:8.4/20

All: -0.000+/-0.000 χ^2/NDF: 24.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8965.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

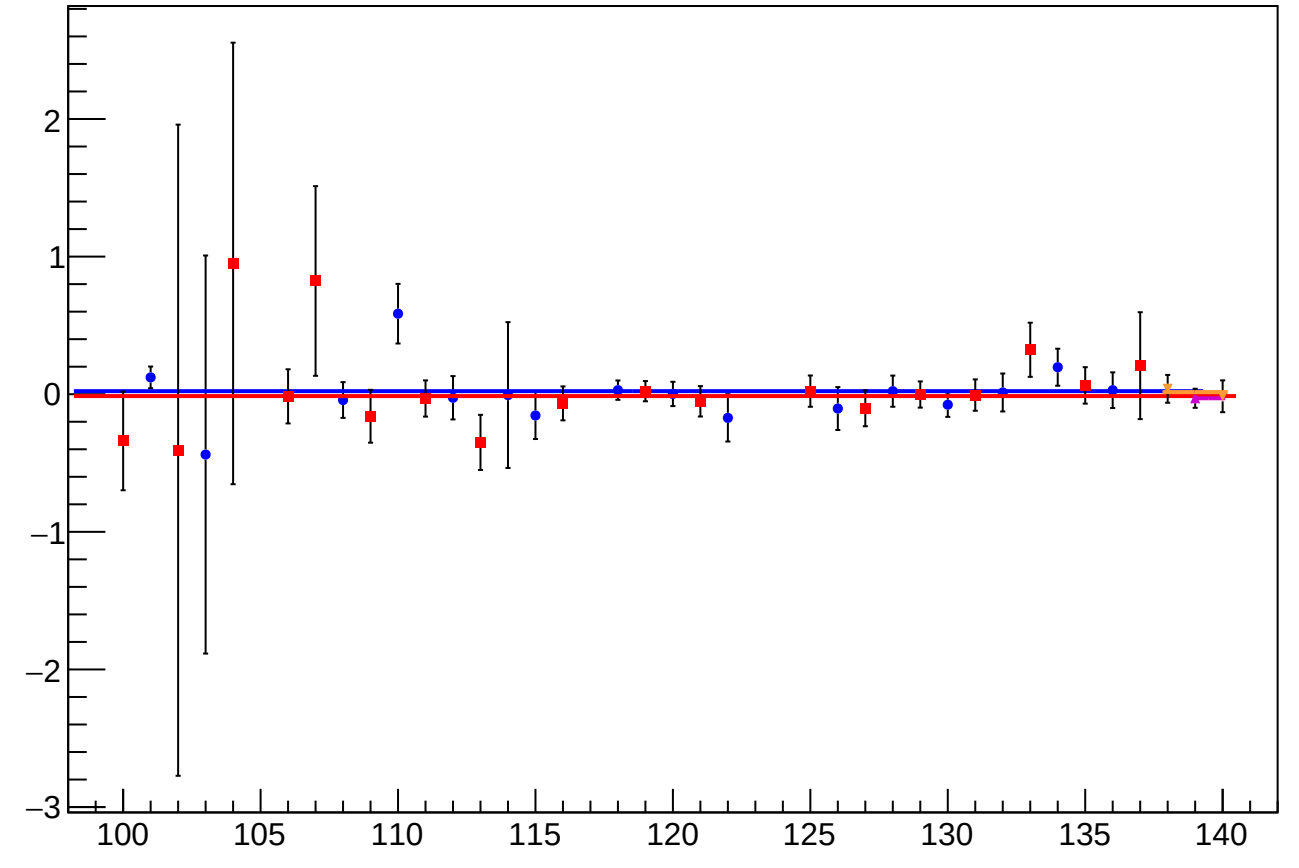
Left: 0.000+/-0.000 χ^2/NDF: 107915.0/2

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:2354421.7/16

Out: 0.000+/-0.000 χ^2/NDF:2014403.8/20

All: 0.000+/-0.000 χ^2/NDF: 4368837.0/37



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.016+/-0.076 χ^2/NDF:0.1/1

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.029+/-0.069 χ^2/NDF:0.0/0

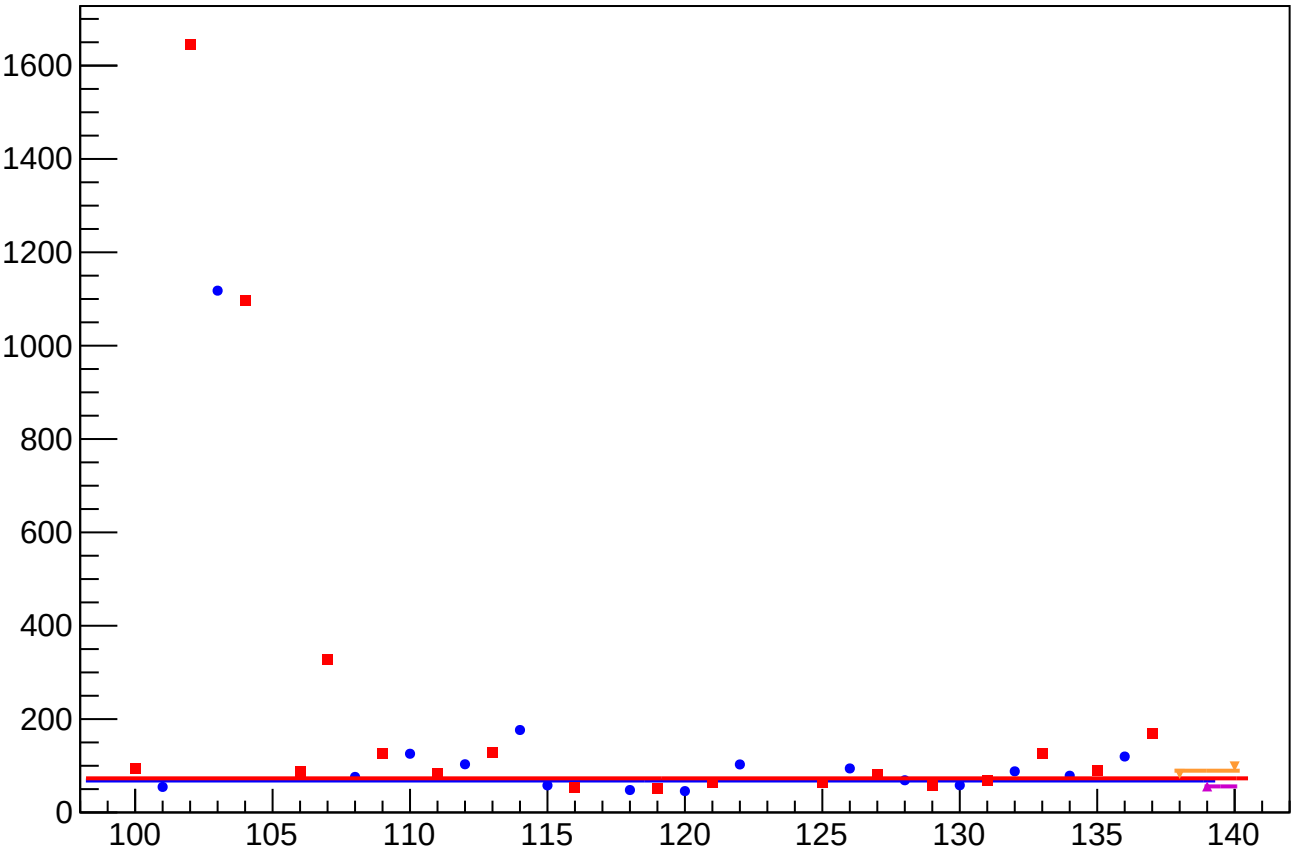
Left: -0.009+/-0.051 χ^2/NDF: 0.3/2

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.014+/-0.028 χ^2/NDF:15.3/16

Out: -0.009+/-0.031 χ^2/NDF:11.1/19

All: 0.004+/-0.021 χ^2/NDF: 26.6/36



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 89.451+/-0.054 χ^2/NDF:22104.1/1

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 55.808+/-0.049 χ^2/NDF:0.0/0

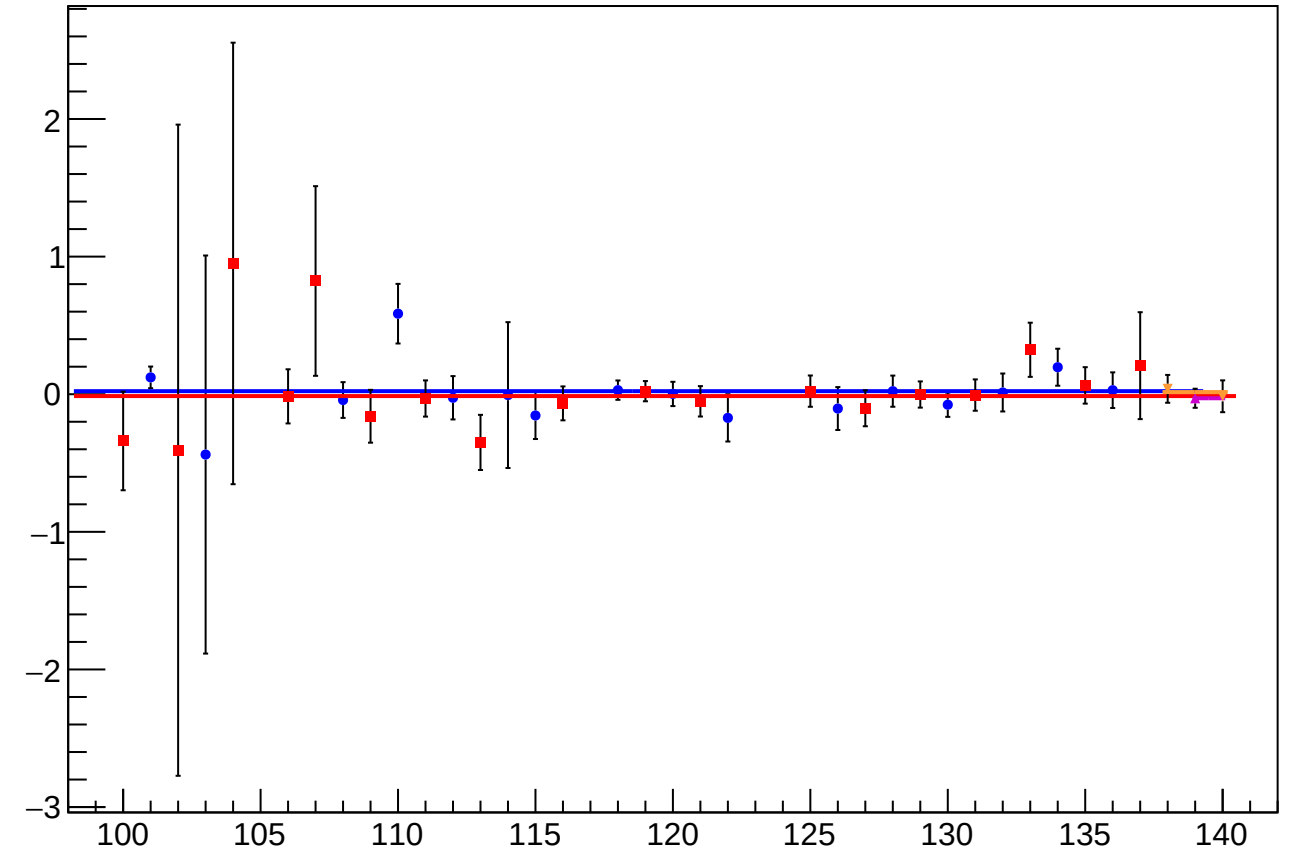
Left: 71.037+/-0.036 χ^2/NDF: 235836.5/2

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 66.418+/-0.020 χ^2/NDF:2333948.0/16

Out: 75.726+/-0.022 χ^2/NDF:3012807.2/19

All: 70.593+/-0.015 χ^2/NDF: 5448485.3/36



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.016+/-0.076 χ^2/NDF:0.1/1

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.029+/-0.069 χ^2/NDF:0.0/0

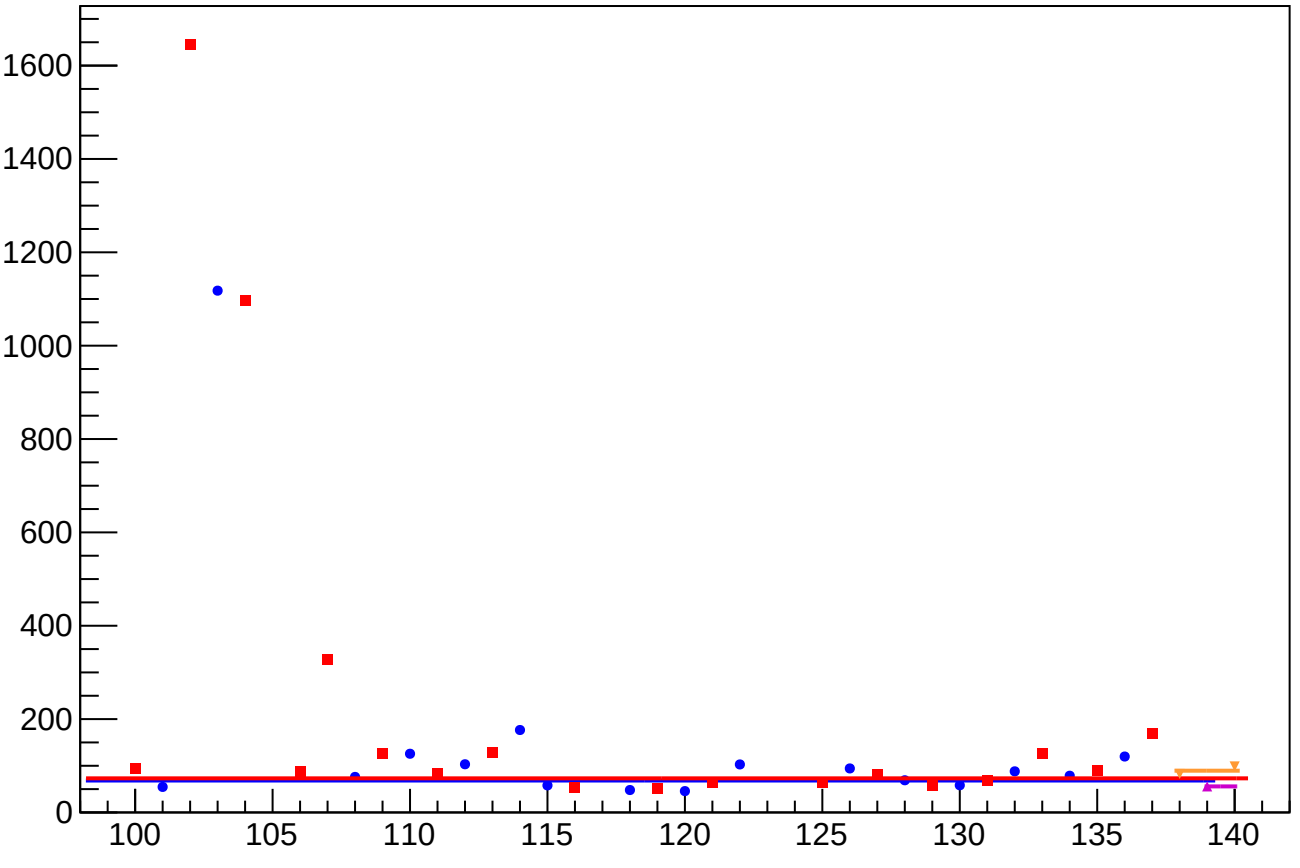
Left: -0.009+/-0.051 χ^2/NDF: 0.3/2

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.014+/-0.028 χ^2/NDF:15.3/16

Out: -0.009+/-0.031 χ^2/NDF:11.1/19

All: 0.004+/-0.021 χ^2/NDF: 26.6/36



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 89.451+/-0.054 χ^2/NDF:22104.1/1

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 55.808+/-0.049 χ^2/NDF:0.0/0

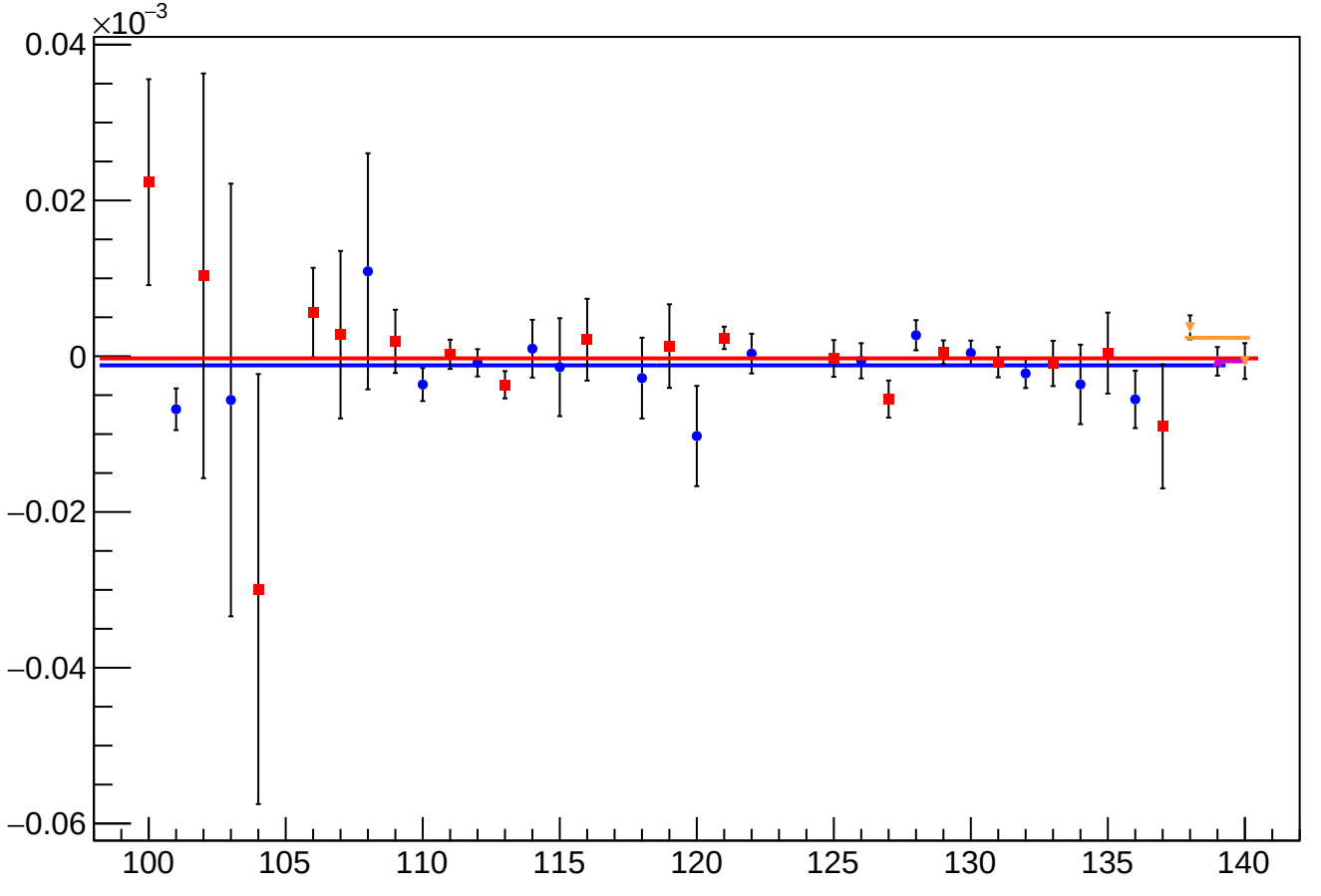
Left: 71.037+/-0.036 χ^2/NDF: 235836.5/2

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 66.418+/-0.020 χ^2/NDF:2333948.0/16

Out: 75.726+/-0.022 χ^2/NDF:3012807.2/19

All: 70.593+/-0.015 χ^2/NDF: 5448485.3/36



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

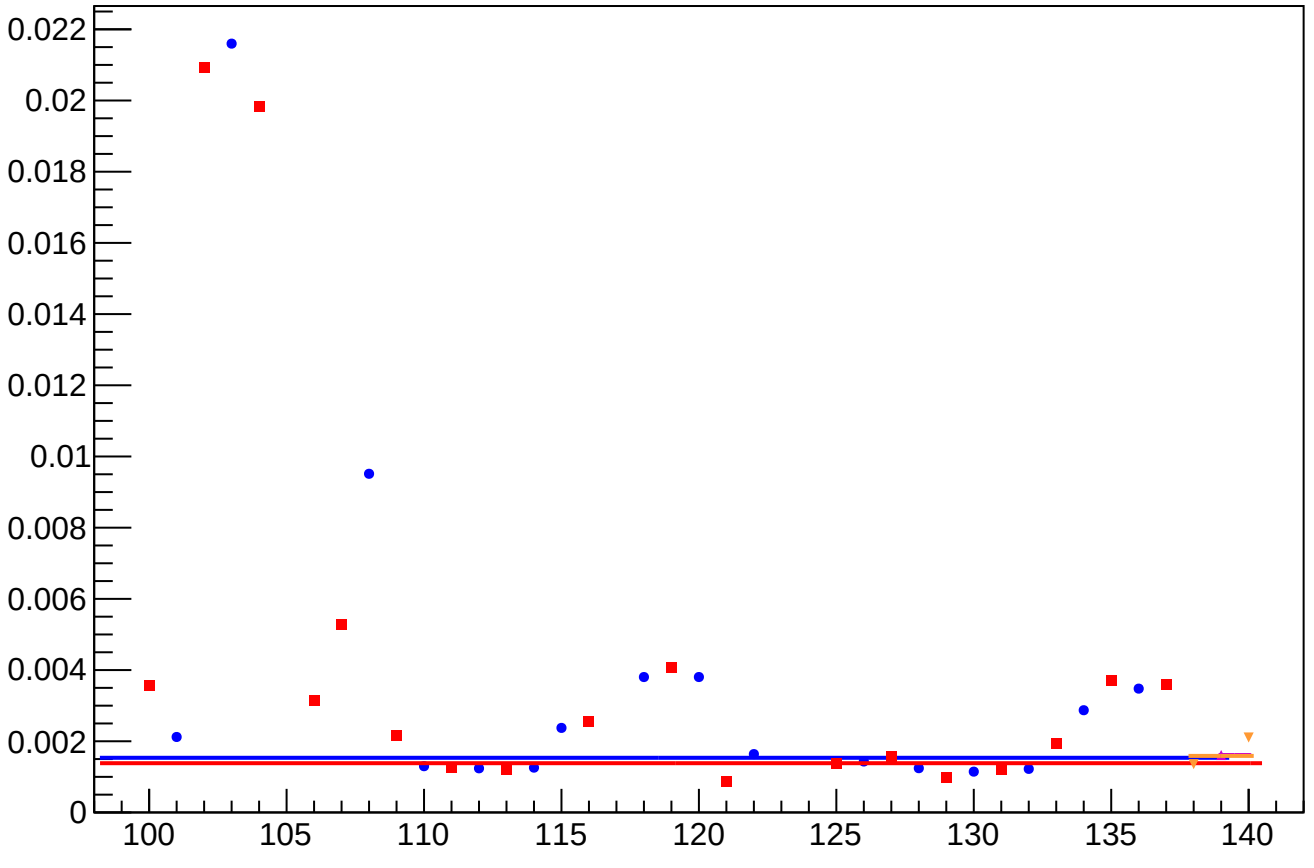
Left: 0.000+/-0.000 χ^2/NDF: 4.3/2

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:16.4/16

Out: 0.000+/-0.000 χ^2/NDF:25.4/19

All: -0.000+/-0.000 χ^2/NDF: 44.4/36



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:146397.4/1

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:0.0/0

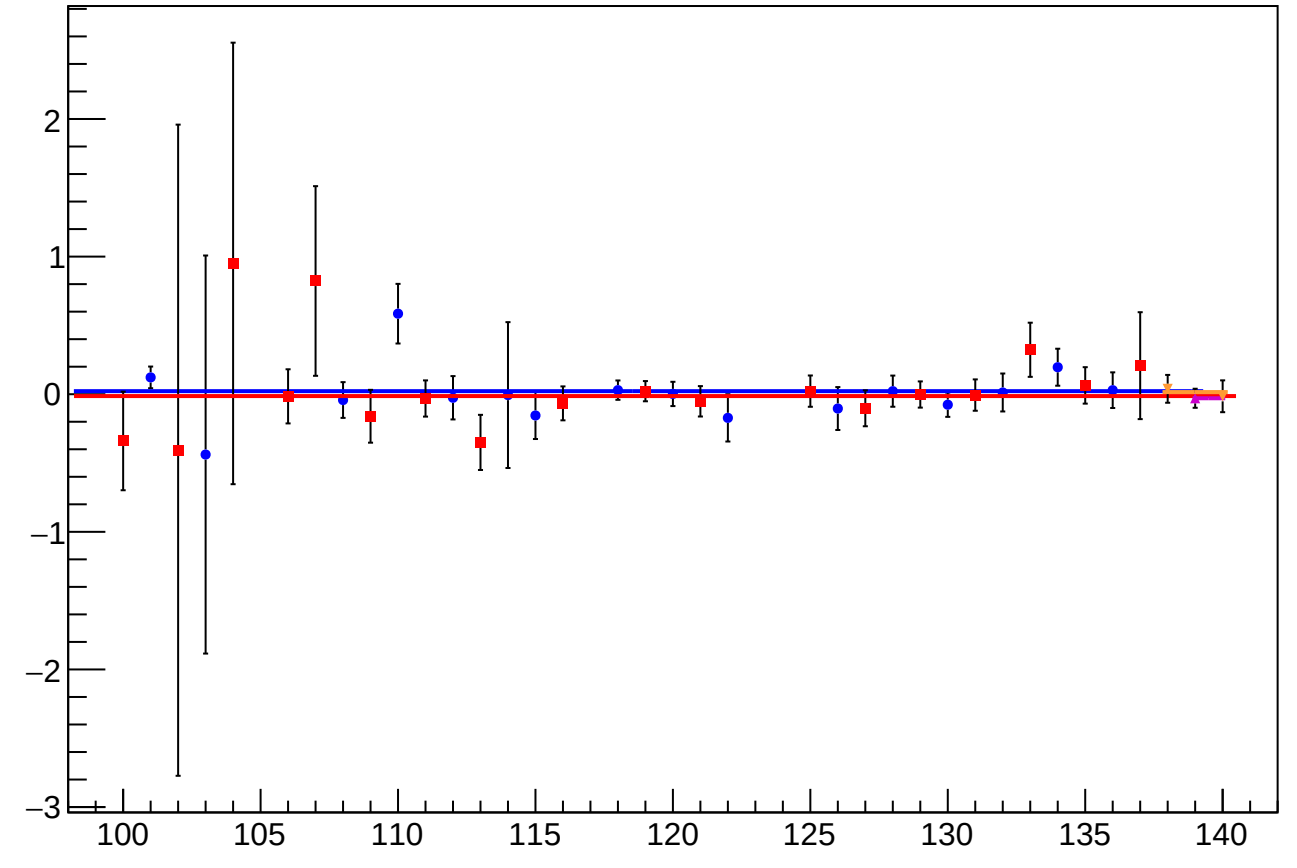
Left: 0.002+/-0.000 χ^2/NDF: 146651.7/2

Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:3377114.5/16

Out: 0.001+/-0.000 χ^2/NDF:4456664.3/19

All: 0.001+/-0.000 χ^2/NDF: 7874766.7/36



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.016+/-0.076 χ^2/NDF:0.1/1

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.029+/-0.069 χ^2/NDF:0.0/0

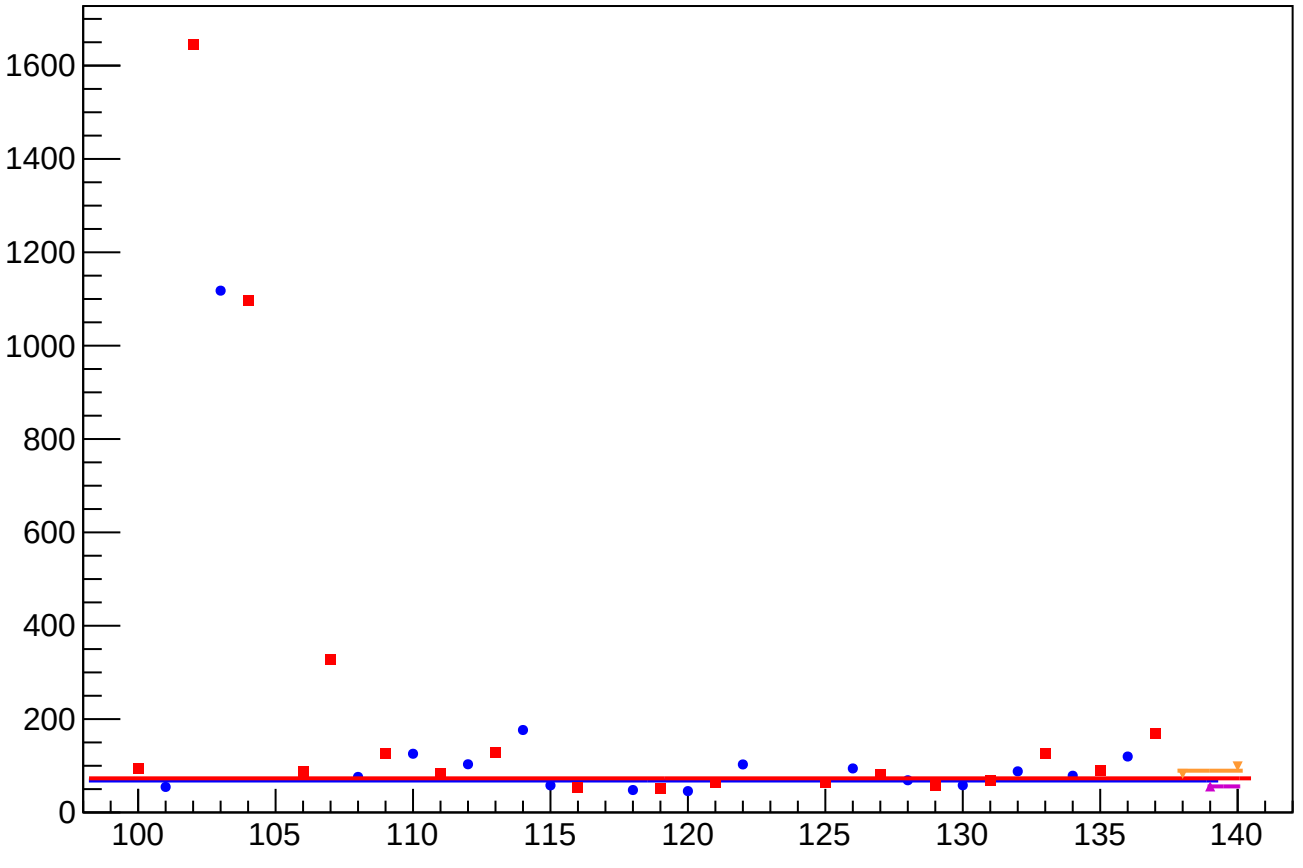
Left: -0.009+/-0.051 χ^2/NDF: 0.3/2

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.014+/-0.028 χ^2/NDF:15.3/16

Out: -0.009+/-0.031 χ^2/NDF:11.1/19

All: 0.004+/-0.021 χ^2/NDF: 26.6/36



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 89.451+/-0.054 χ^2/NDF:22101.4/1

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 55.808+/-0.049 χ^2/NDF:0.0/0

Left: 71.037+/-0.036 χ^2/NDF: 235832.1/2

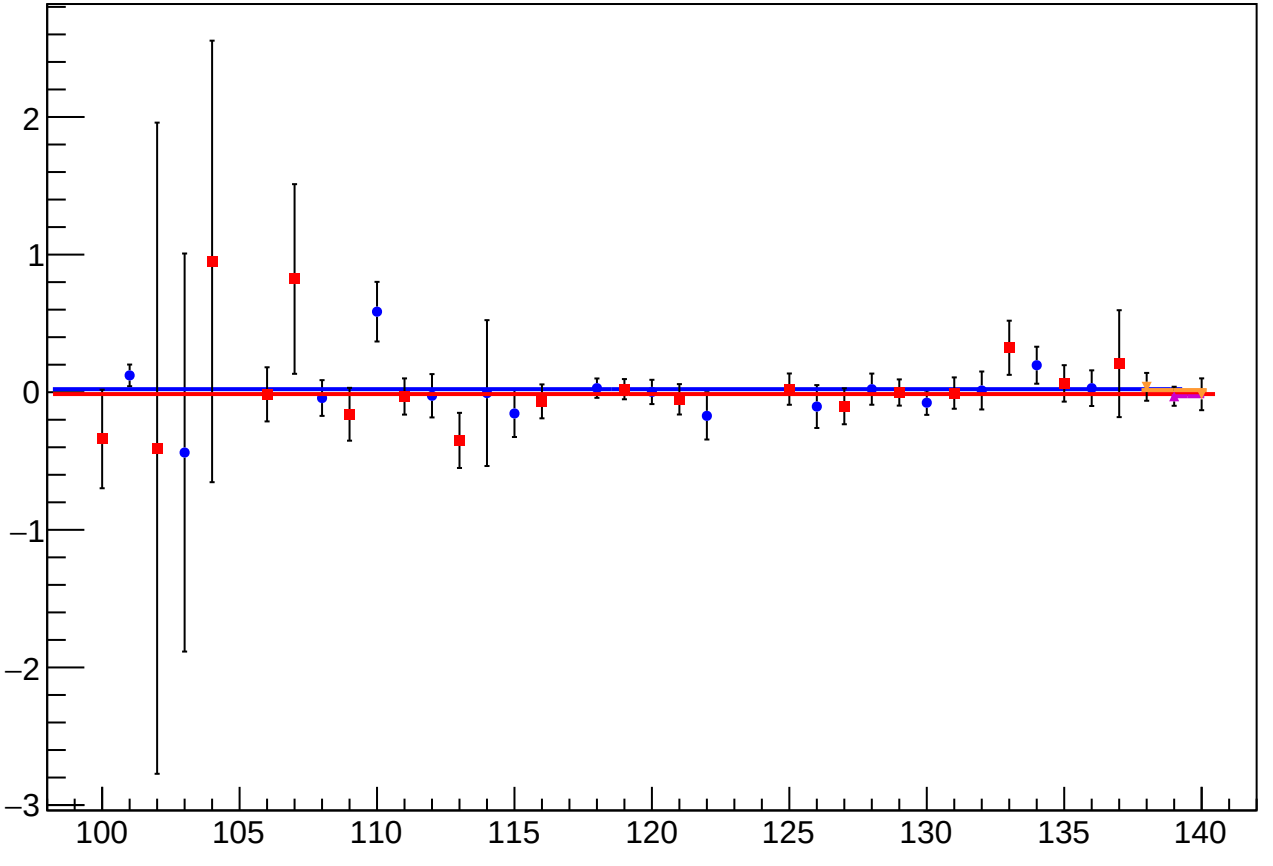
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 66.417+/-0.020 χ^2/NDF:2334024.7/16

Out: 75.725+/-0.022 χ^2/NDF:3012822.7/19

All: 70.593+/-0.015 χ^2/NDF: 5448584.9/36

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.016+/-0.076 χ^2/NDF:0.1/1

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.029+/-0.069 χ^2/NDF:0.0/0

Left: -0.009+/-0.051 χ^2/NDF: 0.3/2

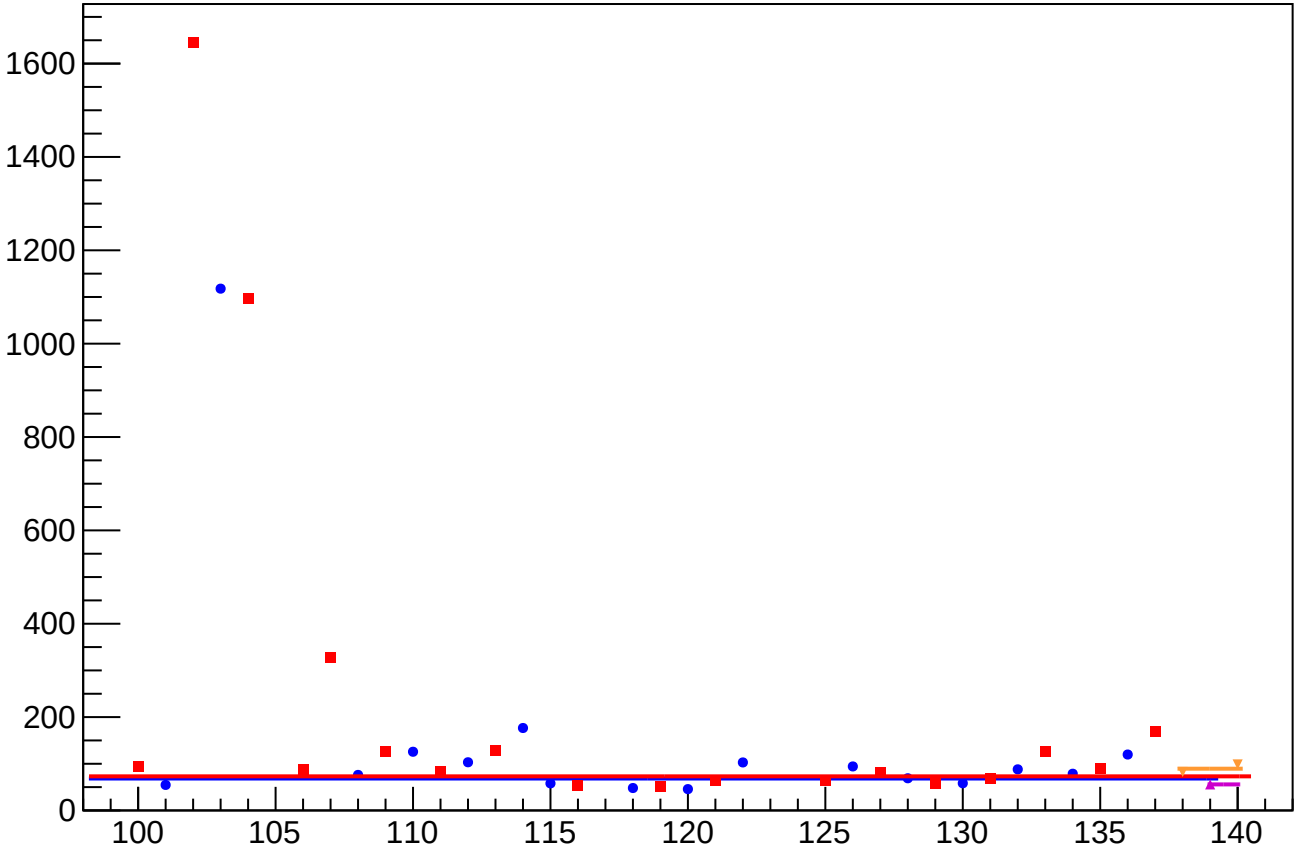
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.014+/-0.028 χ^2/NDF:15.3/16

Out: -0.009+/-0.031 χ^2/NDF:11.1/19

All: 0.004+/-0.021 χ^2/NDF: 26.6/36

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: 89.451+/-0.054 χ^2/NDF:22101.4/1

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 55.808+/-0.049 χ^2/NDF:0.0/0

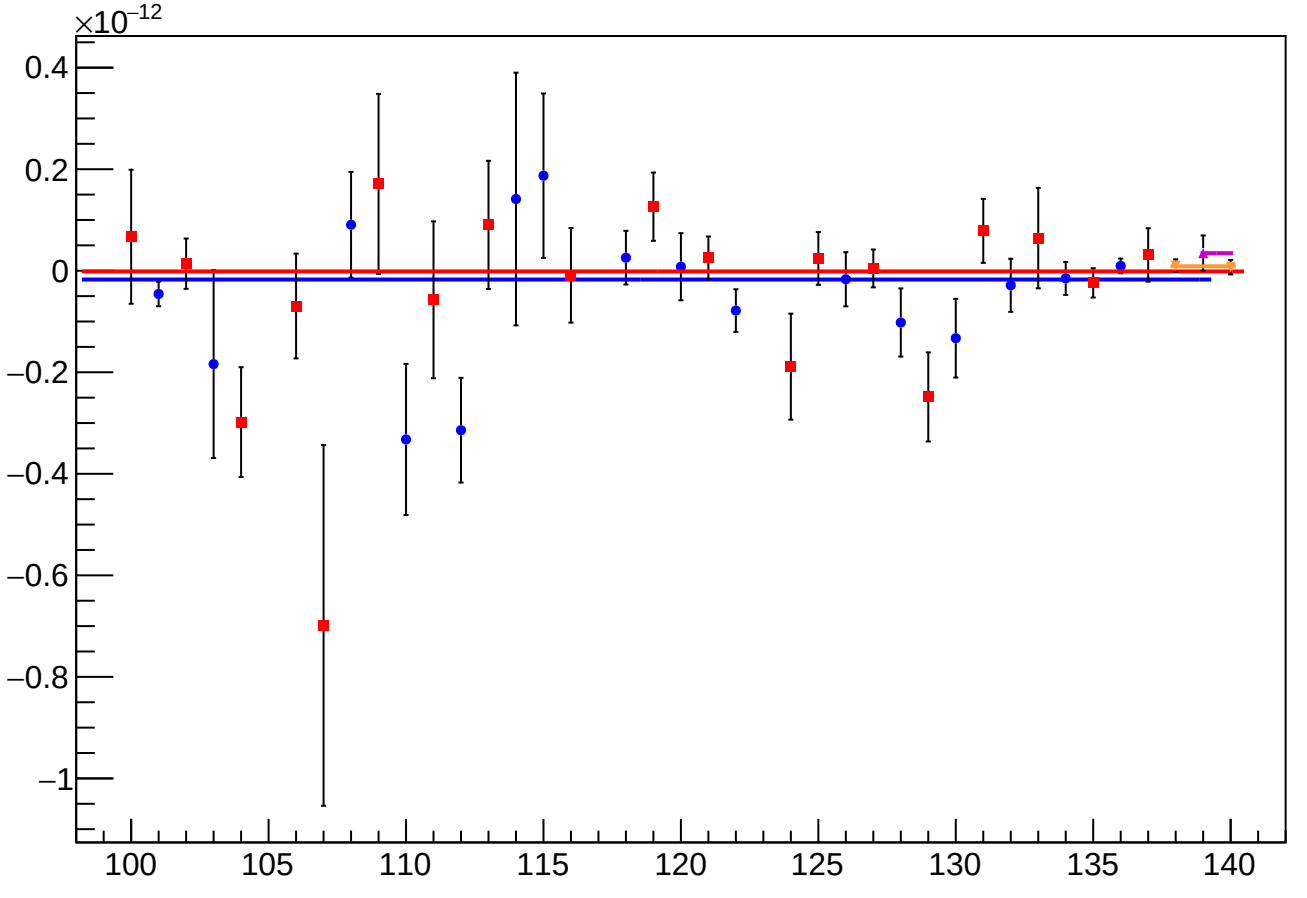
Left: 71.037+/-0.036 χ^2/NDF: 235832.1/2

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 66.417+/-0.020 χ^2/NDF:2334024.7/16

Out: 75.725+/-0.022 χ^2/NDF:3012822.7/19

All: 70.593+/-0.015 χ^2/NDF: 5448584.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

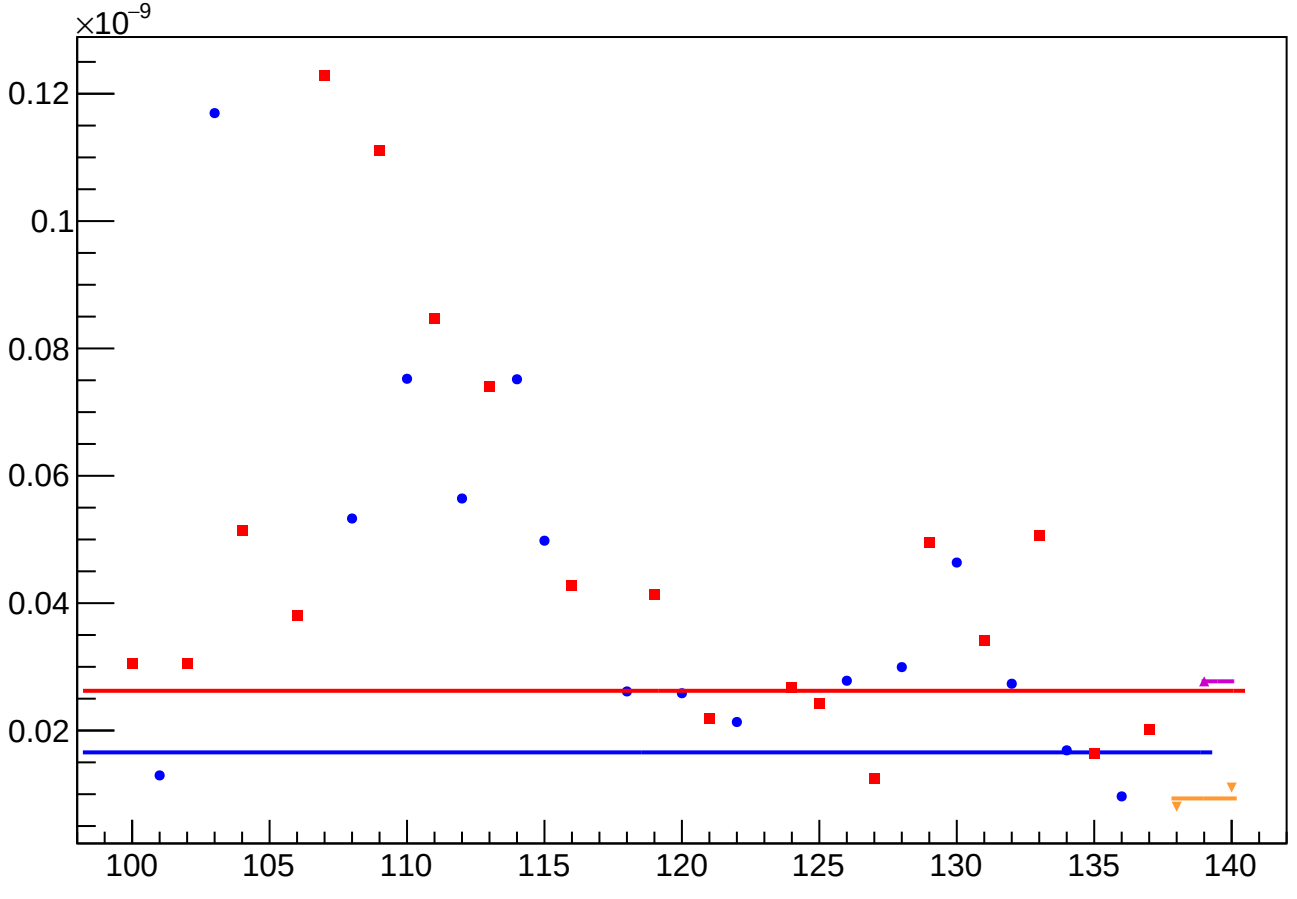
Left: 0.000+/-0.000 χ^2/NDF: 0.5/2

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:30.3/16

Out: 0.000+/-0.000 χ^2/NDF:32.6/20

All: -0.000+/-0.000 χ^2/NDF: 65.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:50094.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 569191.2/2

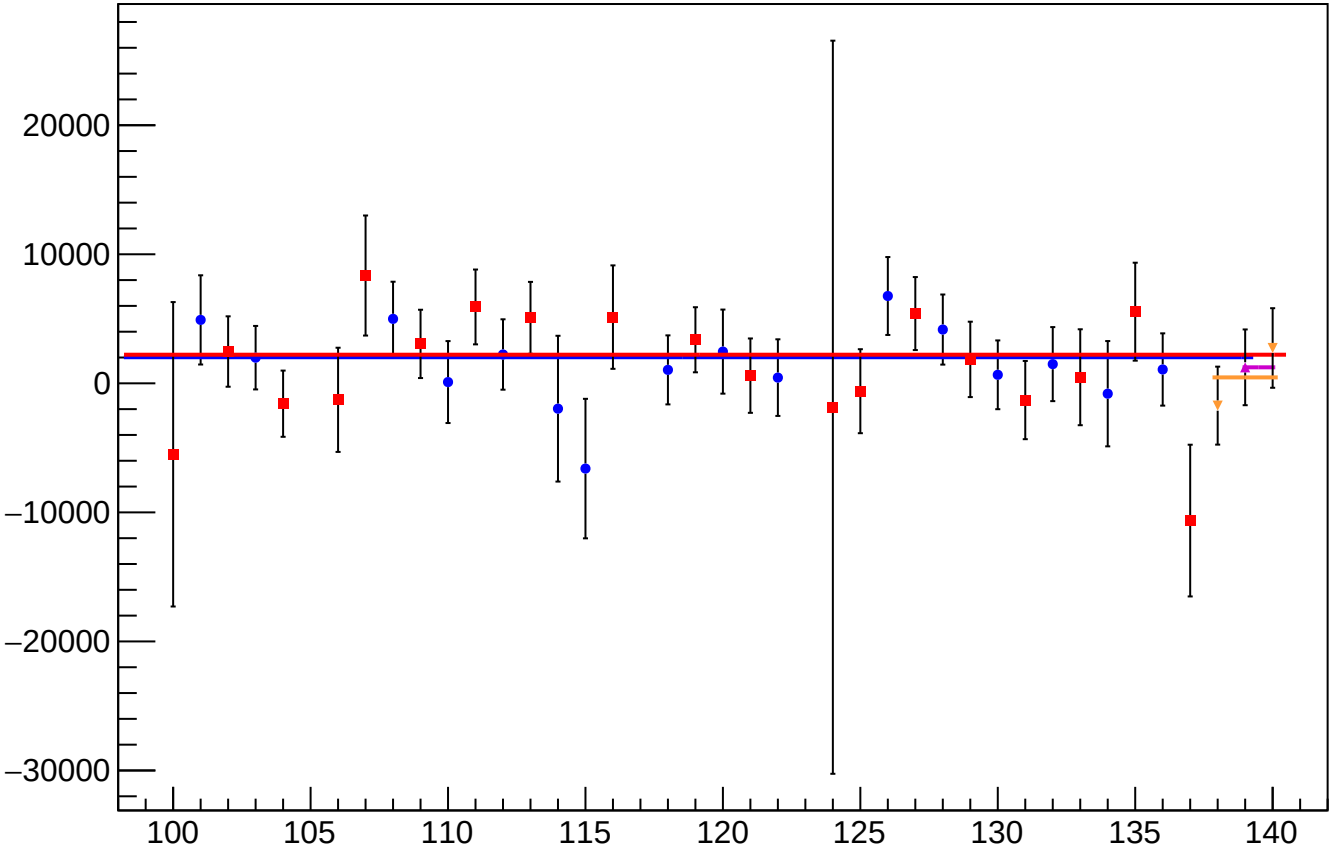
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:3012891.9/16

Out: 0.000+/-0.000 χ^2/NDF:4354648.8/20

All: 0.000+/-0.000 χ^2/NDF: 7480772.4/37

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 459.271+/-2157.856 χ^2/NDF:1.1/1

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 1239.934+/-2935.162 χ^2/NDF:0.0/0

Left: 733.168+/-1738.578 χ^2/NDF: 1.1/2

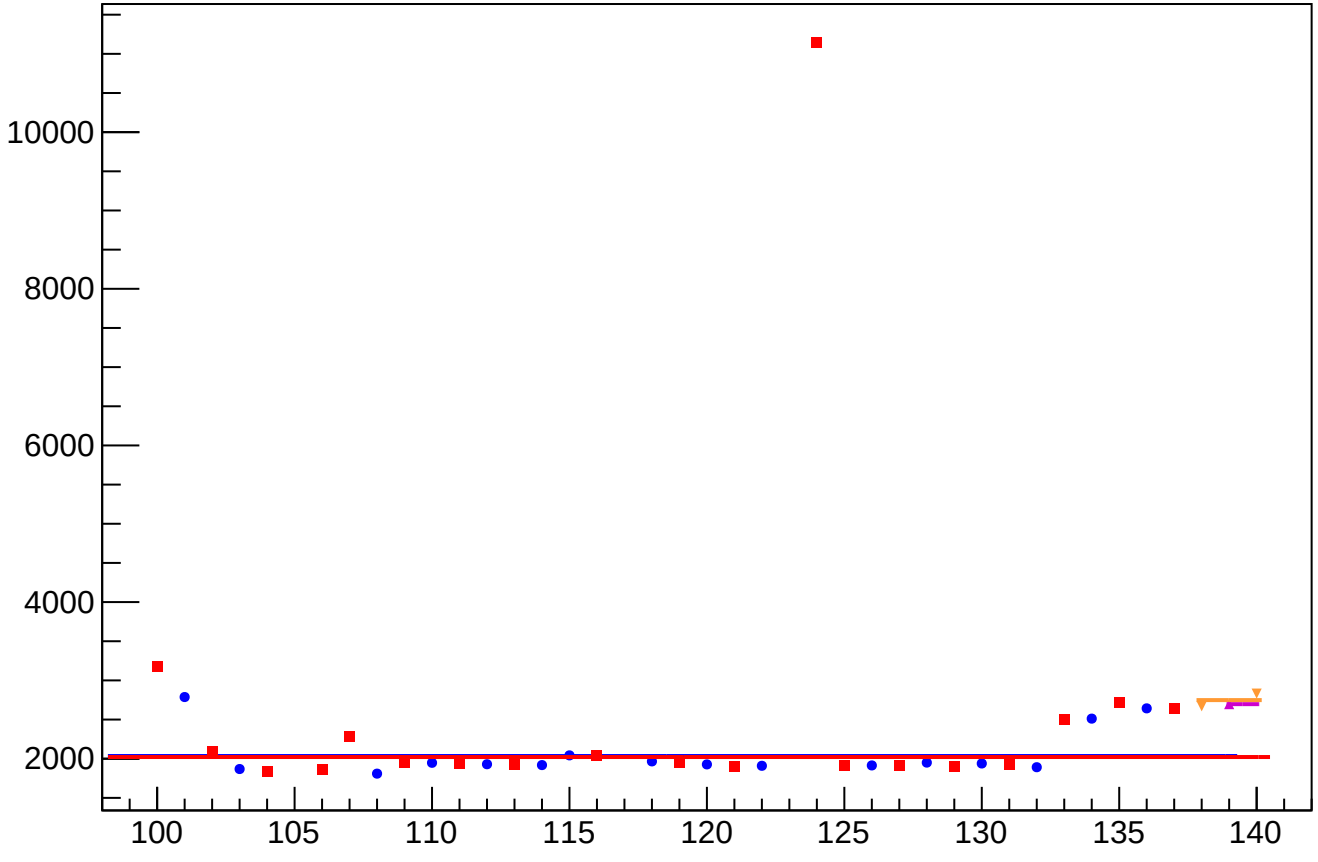
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 1972.978+/-739.687 χ^2/NDF:9.7/16

Out: 2025.006+/-713.597 χ^2/NDF:19.8/20

All: 1999.926+/-513.565 χ^2/NDF: 29.5/37

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2748.371+/-1.526 χ^2/NDF:2832.8/1

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2696.783+/-2.075 χ^2/NDF:0.0/0

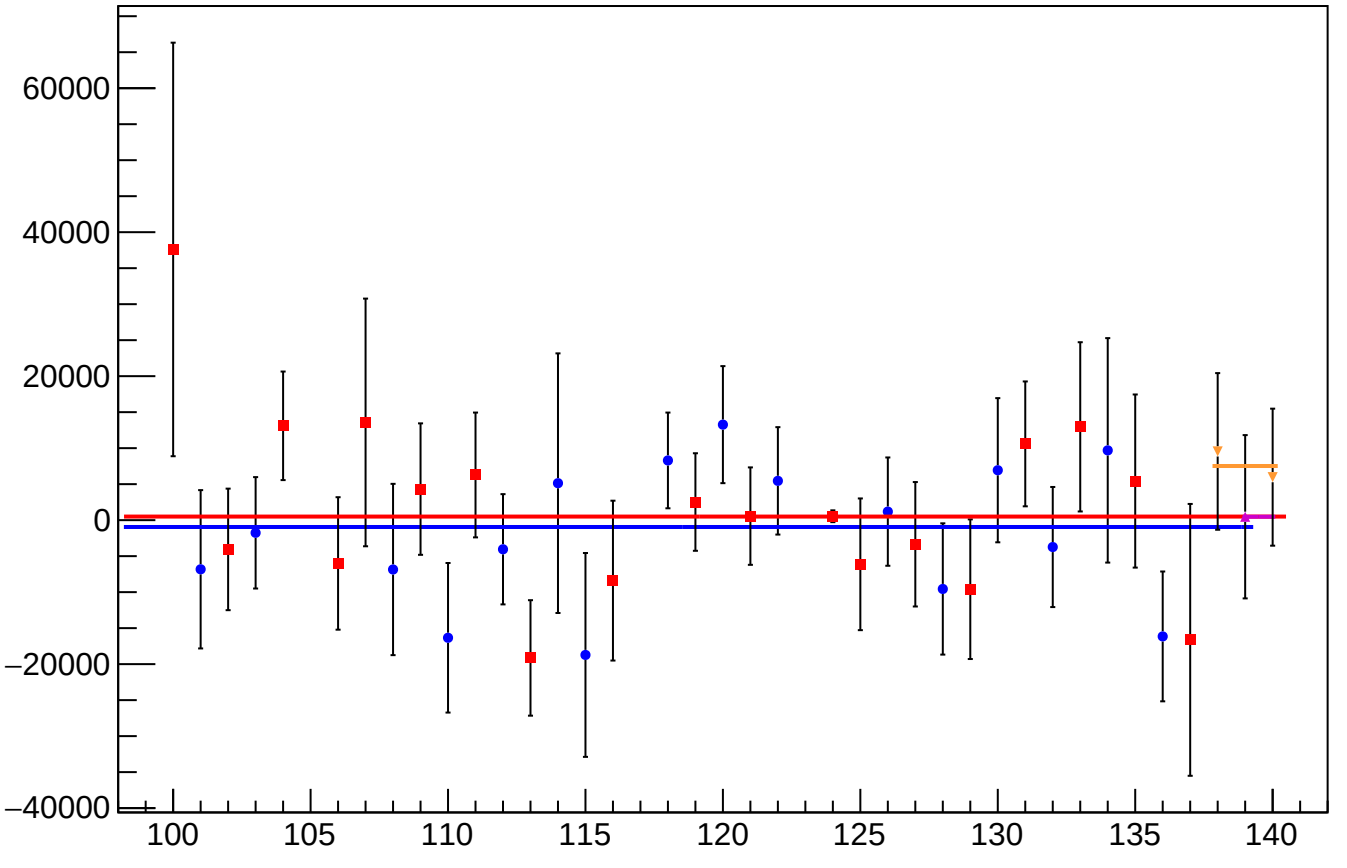
Left: 2730.271+/-1.229 χ^2/NDF: 3233.9/2

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2076.241+/-0.523 χ^2/NDF:358416.9/16

Out: 2101.031+/-0.505 χ^2/NDF:595245.8/20

All: 2089.081+/-0.363 χ^2/NDF: 954826.2/37



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: 7519.864+/-7162.451 χ^2/NDF:0.1/1

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 471.815+/-11341.548 χ^2/NDF:0.0/0

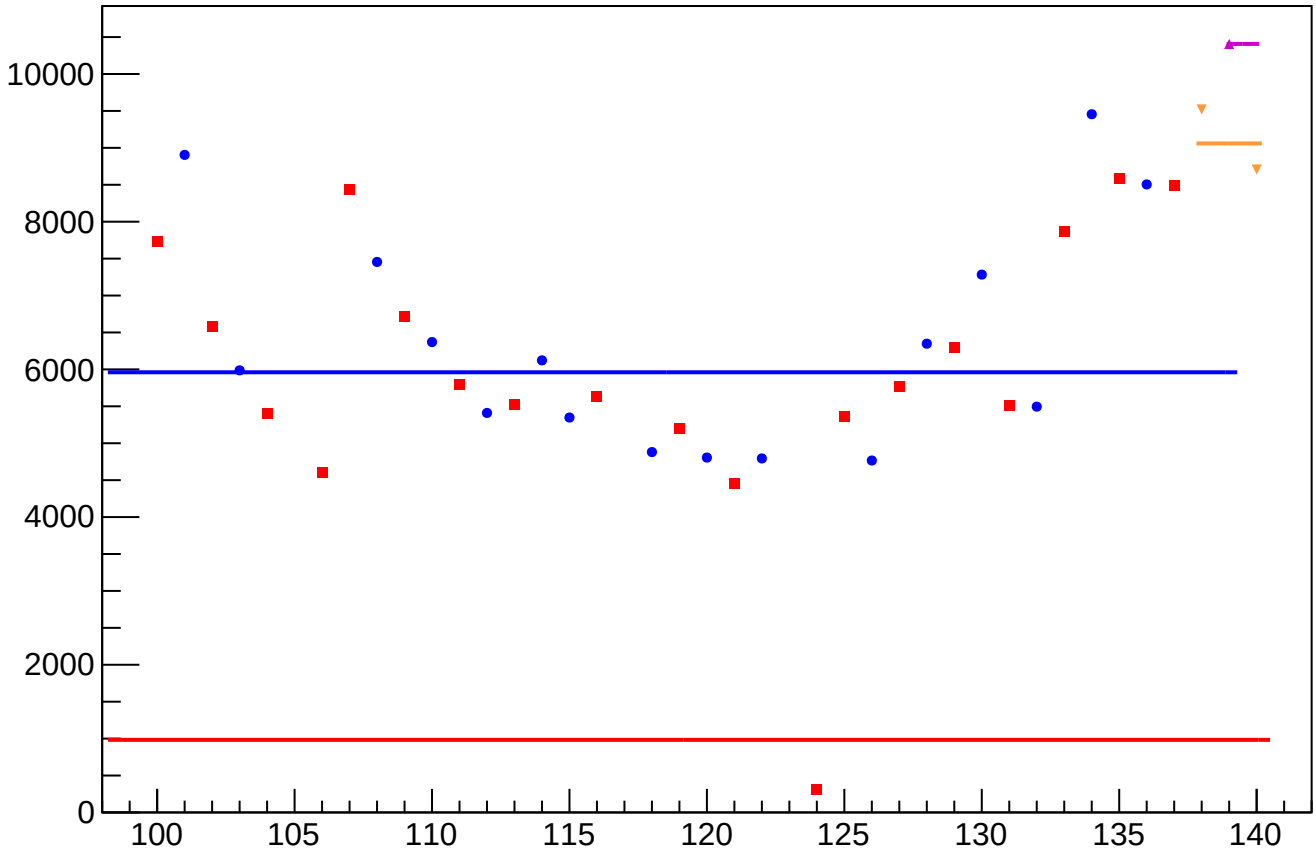
Left: 5510.377+/-6055.925 χ^2/NDF: 0.3/2

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -895.339+/-2233.896 χ^2/NDF:15.3/16

Out: 577.228+/-763.904 χ^2/NDF:19.5/20

All: 423.058+/-722.811 χ^2/NDF: 35.2/37



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 9059.421+/-5.065 χ^2/NDF:6327.0/1

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 10407.492+/-8.020 χ^2/NDF:0.0/0

Left: 9443.773+/-4.282 χ^2/NDF: 26526.9/2

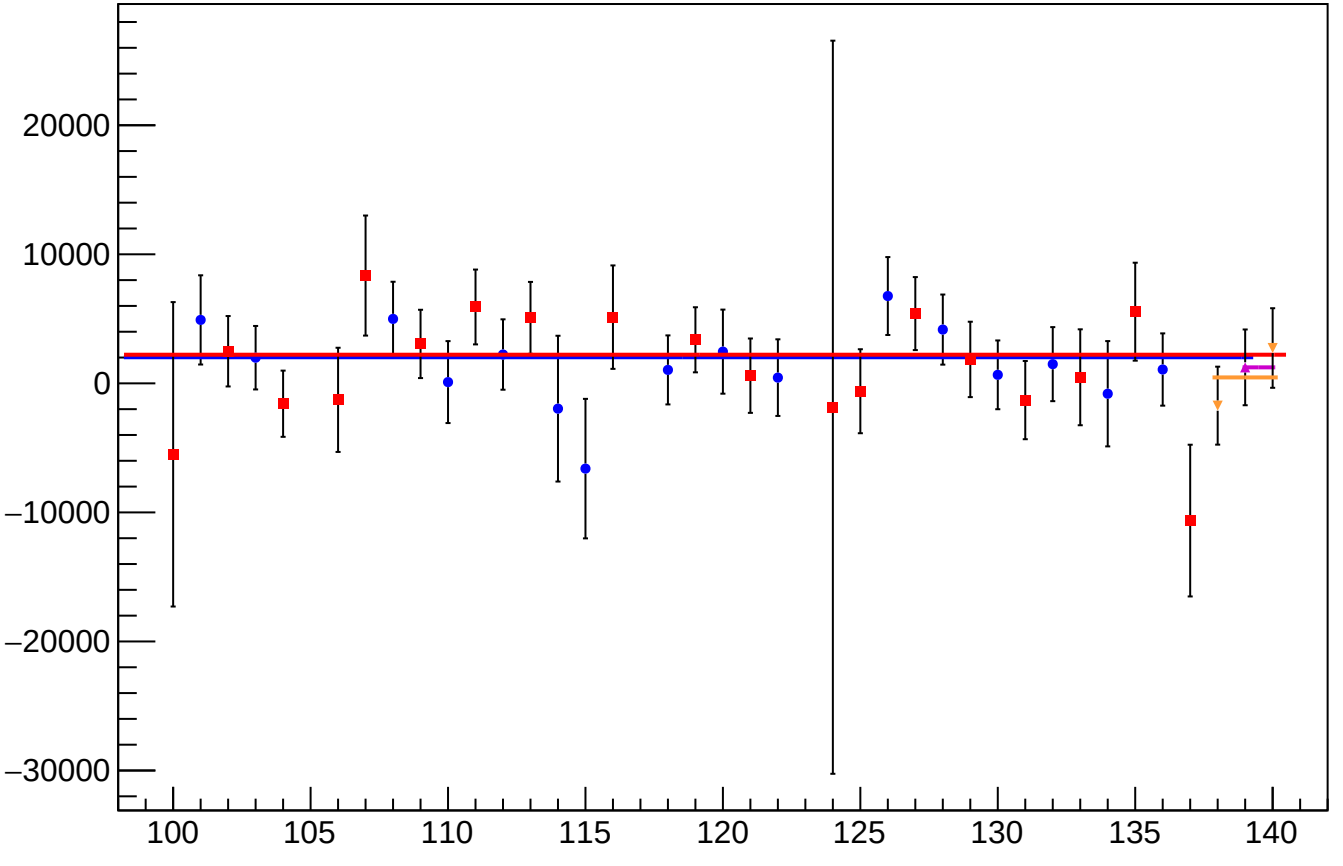
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 6133.313+/-1.580 χ^2/NDF:984779.5/16

Out: 1075.183+/-0.540 χ^2/NDF:13936882.3/20

All: 1604.740+/-0.511 χ^2/NDF: 24101931.3/3

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 459.535+/-2157.856 χ^2/NDF:1.1/1

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 1239.571+/-2935.162 χ^2/NDF:0.0/0

Left: 733.213+/-1738.578 χ^2/NDF: 1.1/2

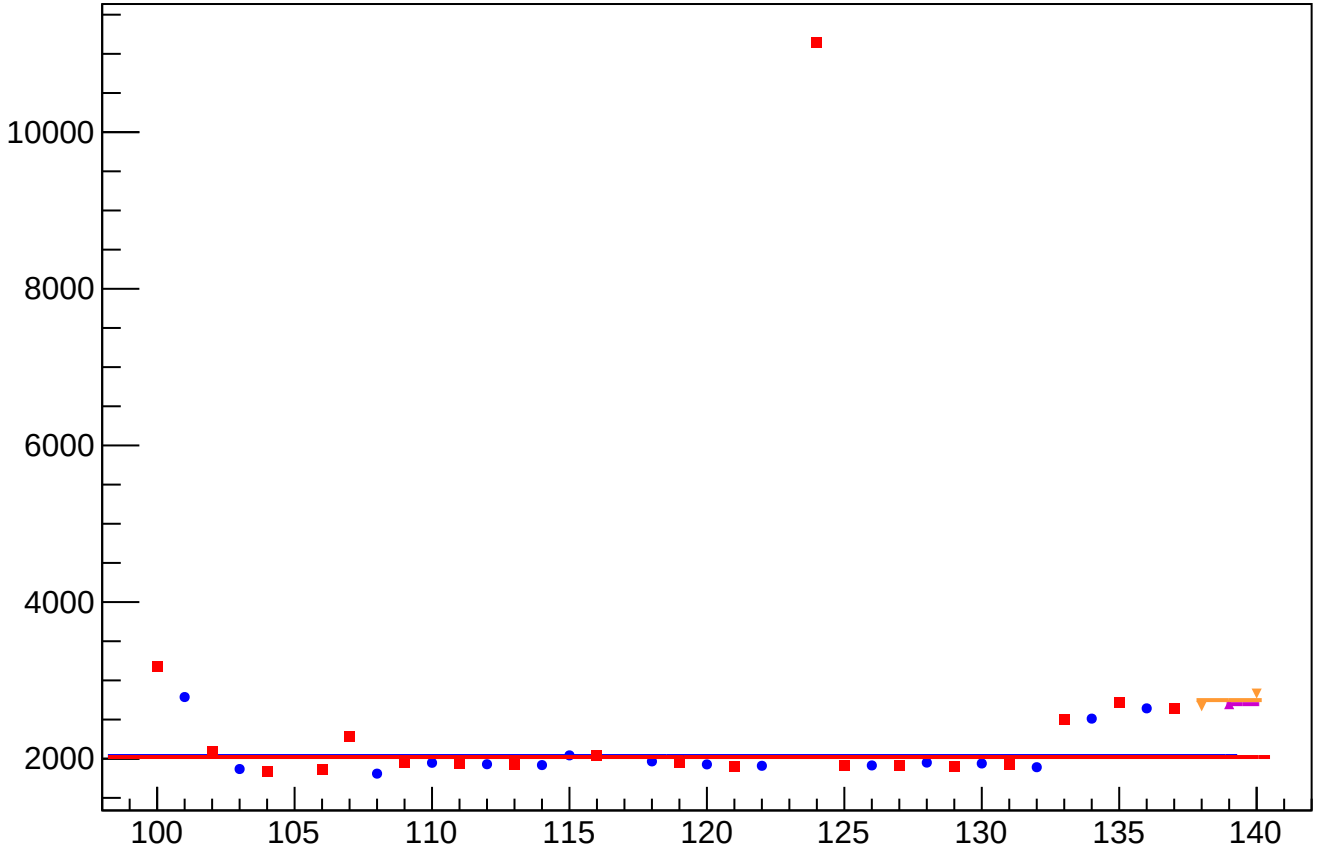
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 1973.073+/-739.687 χ^2/NDF:9.7/16

Out: 2026.669+/-713.603 χ^2/NDF:19.8/20

All: 2000.833+/-513.567 χ^2/NDF: 29.5/37

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2748.371+/-1.526 χ^2/NDF:2832.8/1

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2696.783+/-2.075 χ^2/NDF:0.0/0

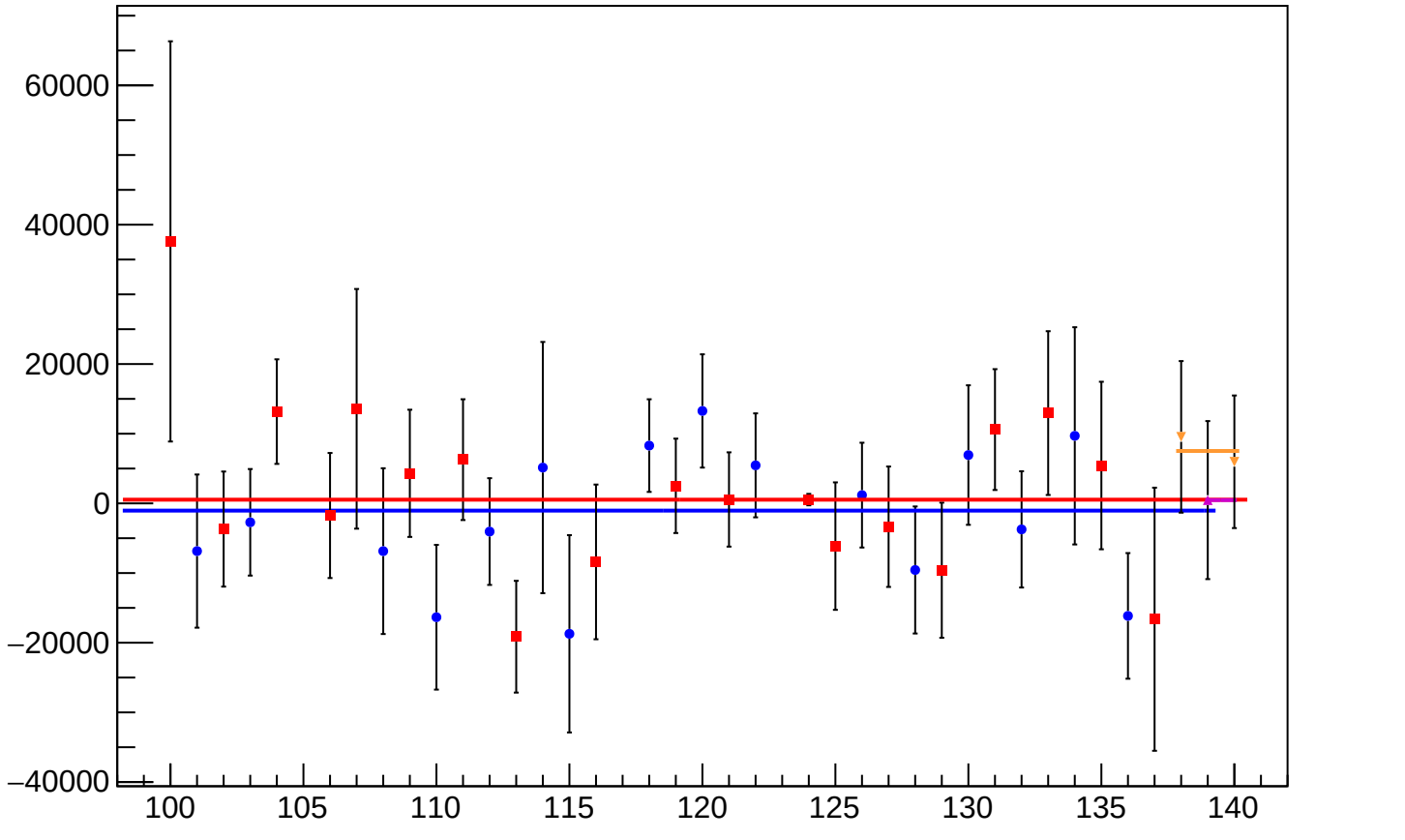
Left: 2730.271+/-1.229 χ^2/NDF: 3233.9/2

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2076.241+/-0.523 χ^2/NDF:358416.8/16

Out: 2101.052+/-0.505 χ^2/NDF:595245.1/20

All: 2089.091+/-0.363 χ^2/NDF: 954827.3/37



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: 7520.323+/-7162.449 χ^2/NDF:0.1/1

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 471.827+/-11341.535 χ^2/NDF:0.0/0

Left: 5510.706+/-6055.922 χ^2/NDF: 0.3/2

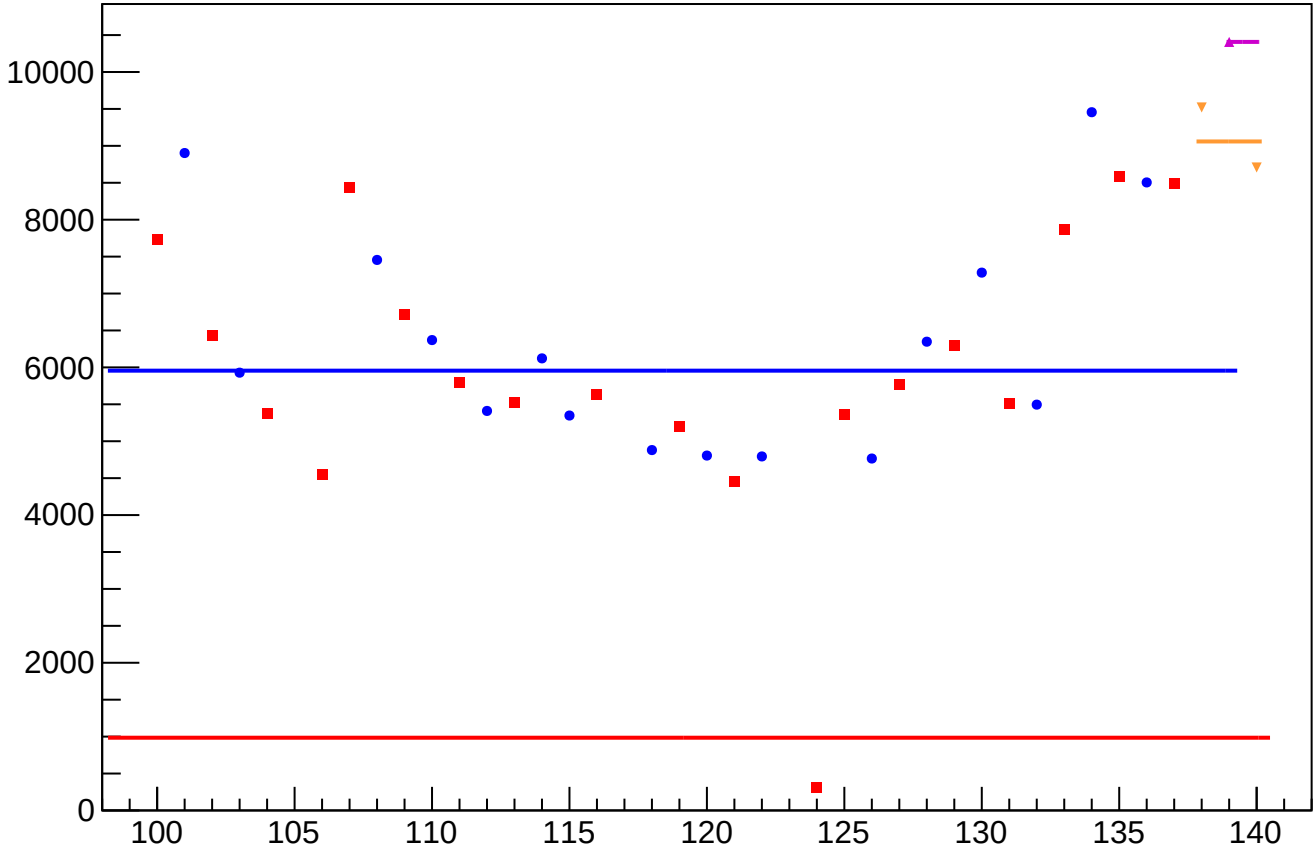
Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -979.486+/-2231.680 χ^2/NDF:15.4/16

Out: 610.100+/-763.571 χ^2/NDF:19.0/20

All: 443.514+/-722.453 χ^2/NDF: 34.9/37

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 9059.417+/-5.065 χ^2/NDF:6327.1/1

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 10407.480+/-8.020 χ^2/NDF:0.0/0

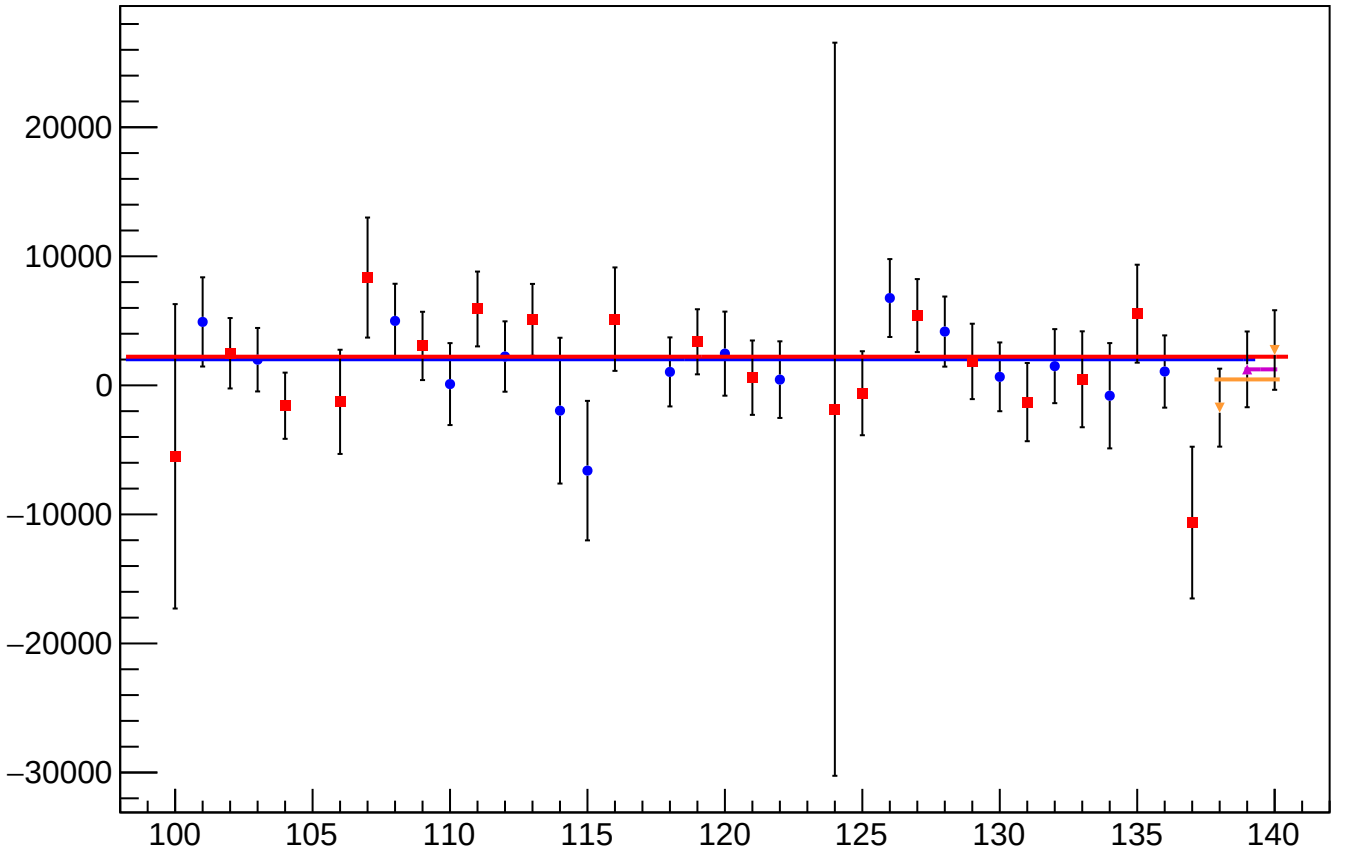
Left: 9443.767+/-4.282 χ^2/NDF: 26526.8/2

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6128.008+/-1.578 χ^2/NDF:985362.8/16

Out: 1076.811+/-0.540 χ^2/NDF:13931984.4/20

All: 1606.169+/-0.511 χ^2/NDF: 24089587.3/3



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 459.535+/-2157.856 χ^2/NDF:1.1/1

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 1239.571+/-2935.162 χ^2/NDF:0.0/0

Left: 733.213+/-1738.578 χ^2/NDF: 1.1/2

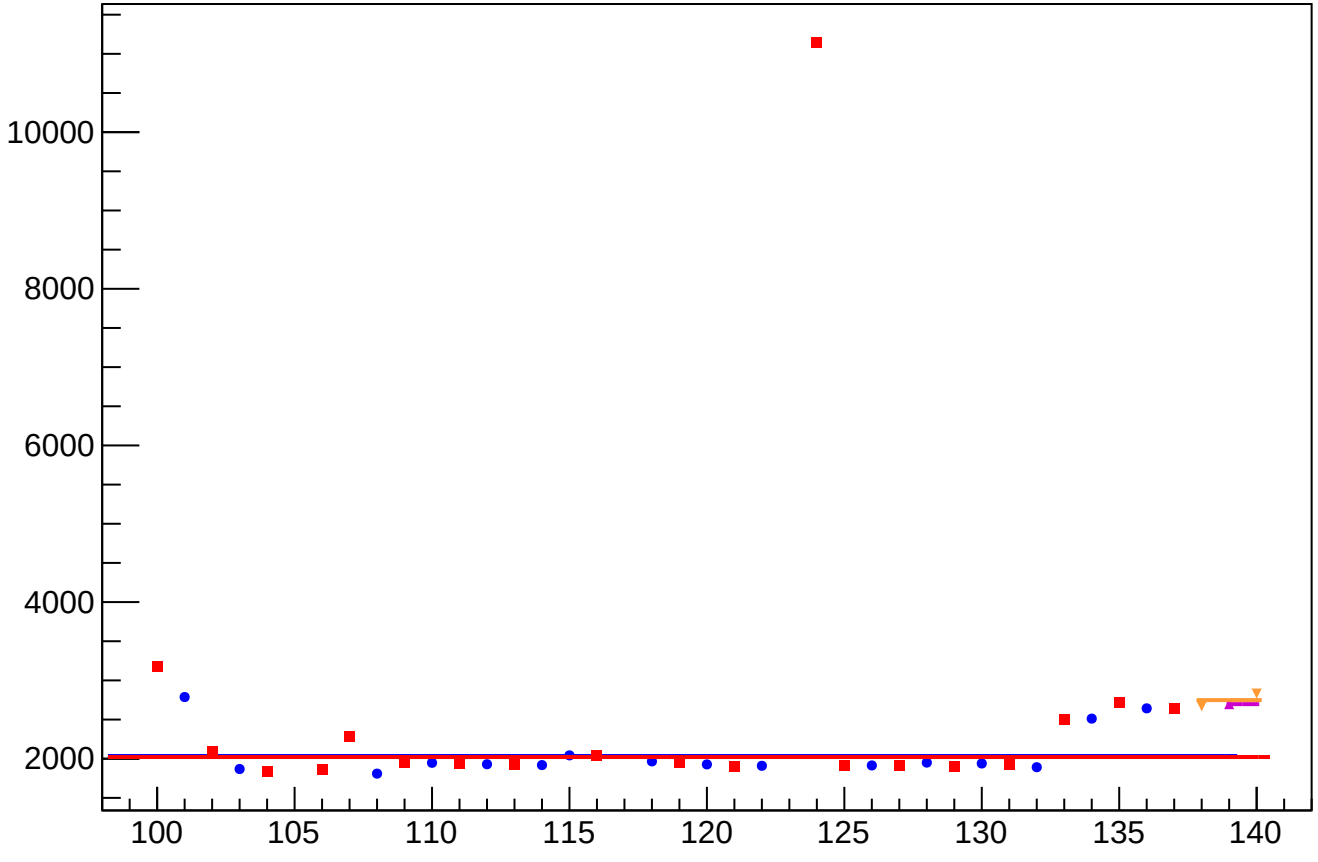
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 1973.073+/-739.687 χ^2/NDF:9.7/16

Out: 2026.669+/-713.603 χ^2/NDF:19.8/20

All: 2000.833+/-513.567 χ^2/NDF: 29.5/37

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2748.371+/-1.526 χ^2/NDF:2832.8/1

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2696.783+/-2.075 χ^2/NDF:0.0/0

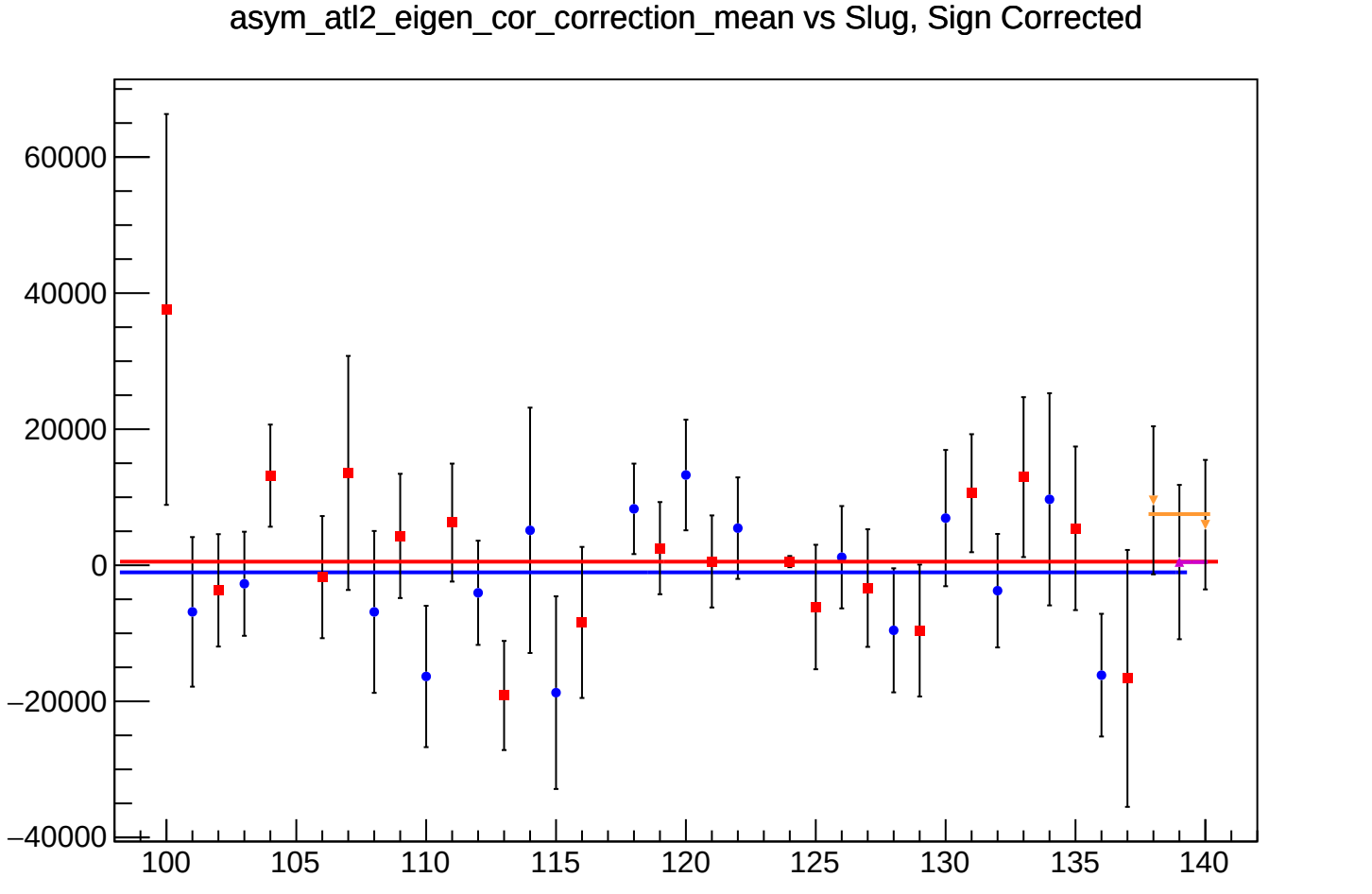
Left: 2730.271+/-1.229 χ^2/NDF: 3233.9/2

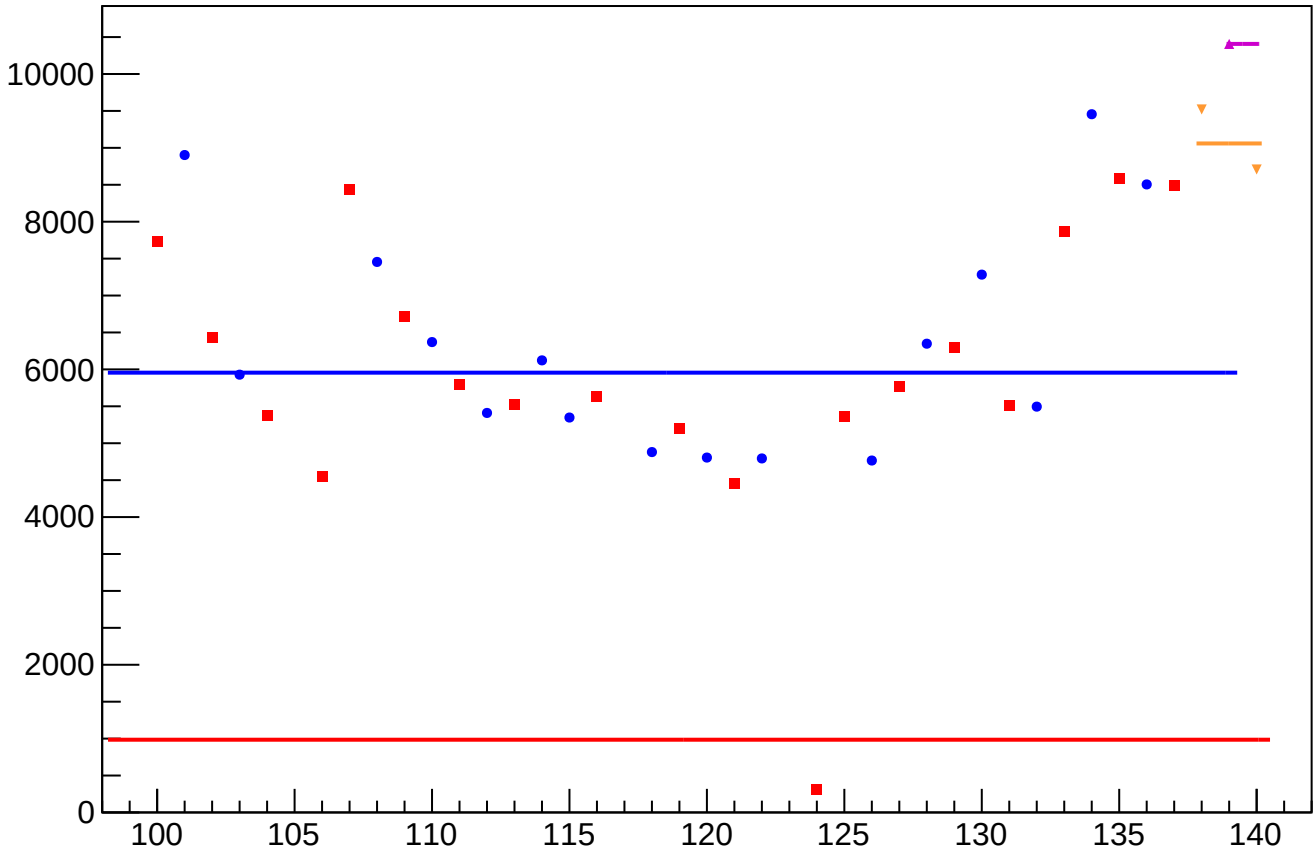
Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2076.241+/-0.523 χ^2/NDF:358416.8/16

Out: 2101.052+/-0.505 χ^2/NDF:595245.1/20

All: 2089.091+/-0.363 χ^2/NDF: 954827.3/37


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
105
110
115
120
125
130
135
140
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: 7520.323+/-7162.449 χ²/NDF:0.1/1
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 471.827+/-11341.535 χ²/NDF:0.0/0
Left: 5510.706+/-6055.922 χ²/NDF: 0.3/2
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -979.486+/-2231.680 χ²/NDF:15.4/16
Out: 610.100+/-763.571 χ²/NDF:19.0/20
All: 443.514+/-722.453 χ²/NDF: 34.9/37



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 9059.417+/-5.065 χ^2/NDF:6327.1/1

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 10407.480+/-8.020 χ^2/NDF:0.0/0

Left: 9443.767+/-4.282 χ^2/NDF: 26526.8/2

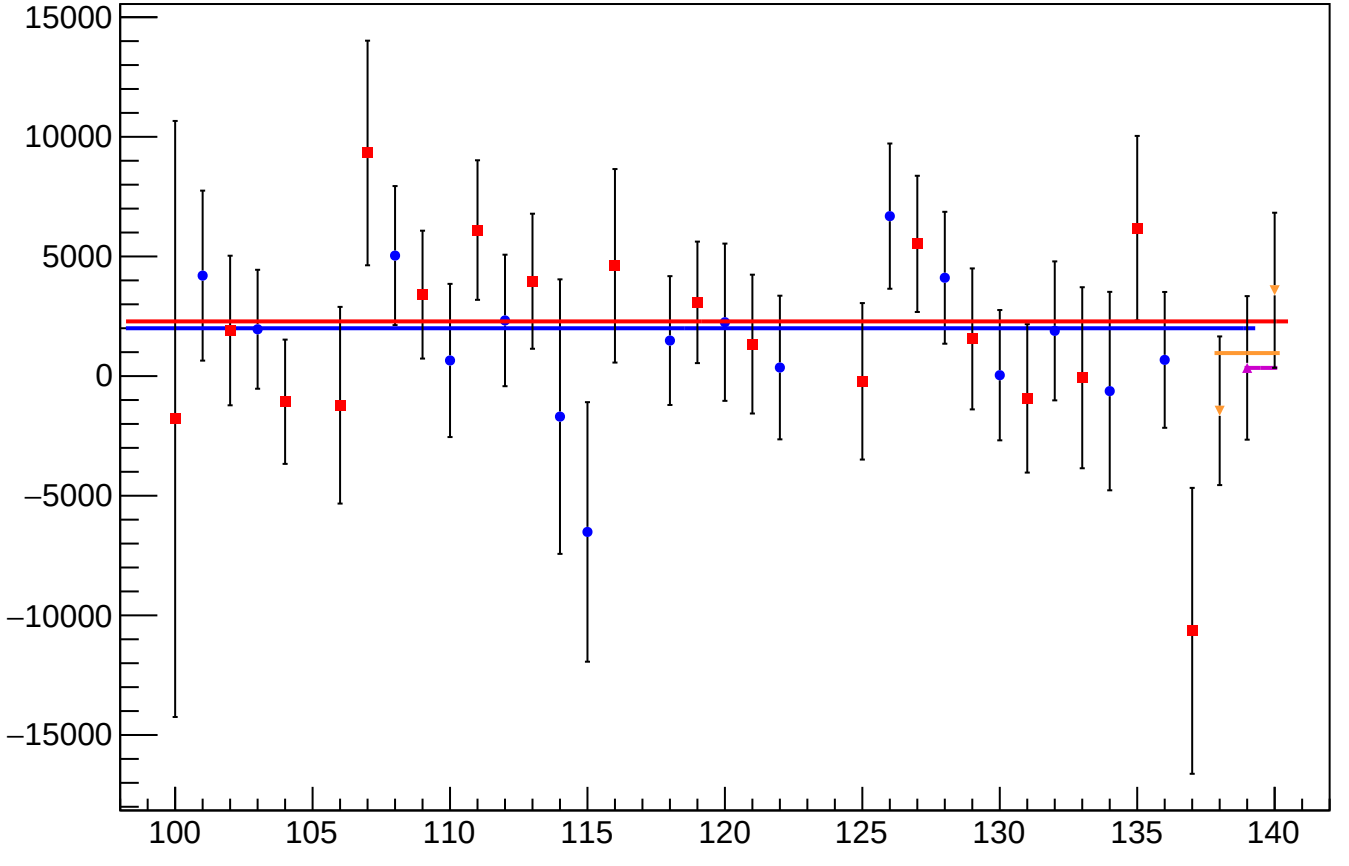
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6128.008+/-1.578 χ^2/NDF:985362.8/16

Out: 1076.811+/-0.540 χ^2/NDF:13931984.4/20

All: 1606.169+/-0.511 χ^2/NDF: 24089587.3/3

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 961.807+/-2242.906 χ^2/NDF:1.3/1

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 342.520+/-2999.897 χ^2/NDF:0.0/0

Left: 739.754+/-1796.340 χ^2/NDF: 1.3/2

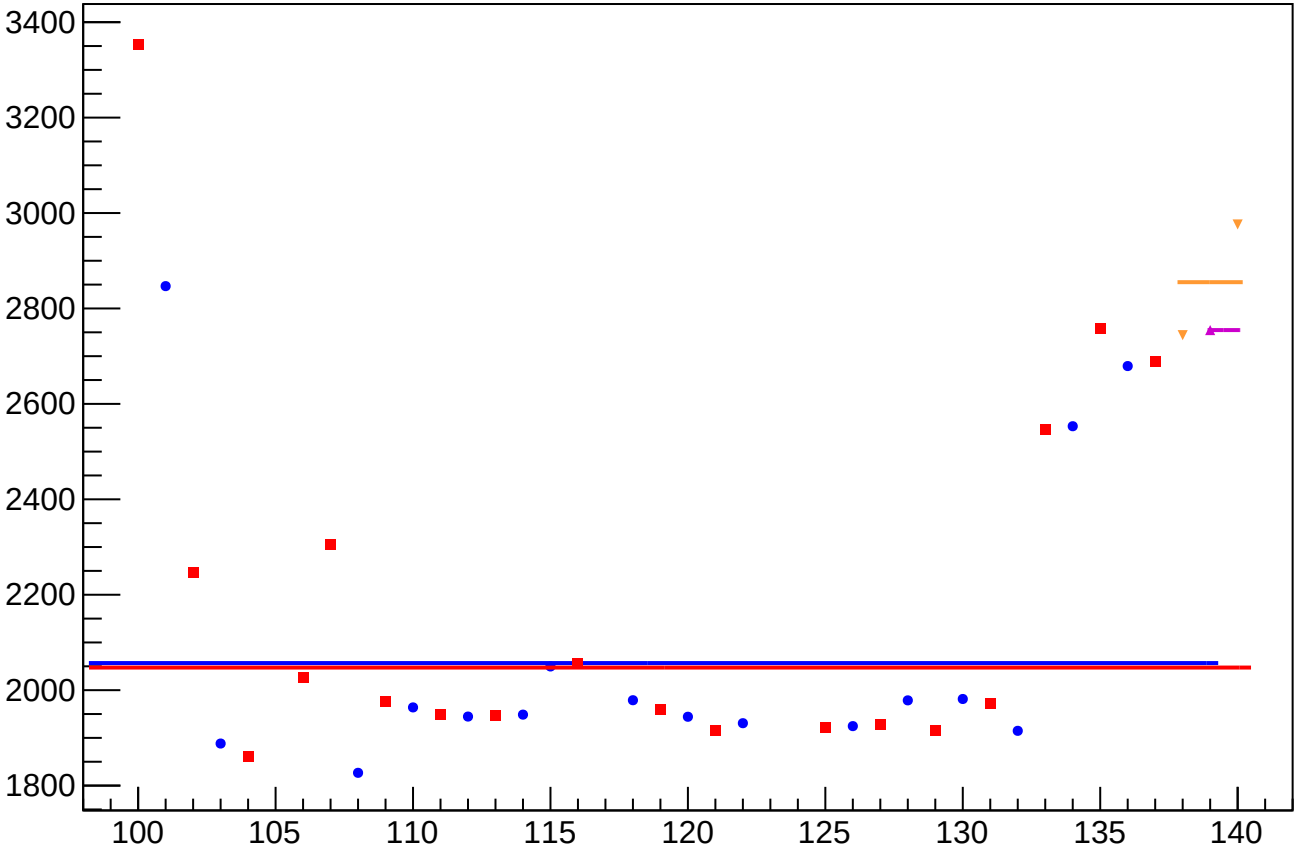
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 1895.929+/-749.037 χ^2/NDF:9.3/16

Out: 2145.876+/-729.377 χ^2/NDF:18.2/19

All: 2024.226+/-522.560 χ^2/NDF: 27.6/36

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2855.096+/-1.586 χ^2/NDF:5340.8/1

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2754.700+/-2.121 χ^2/NDF:0.0/0

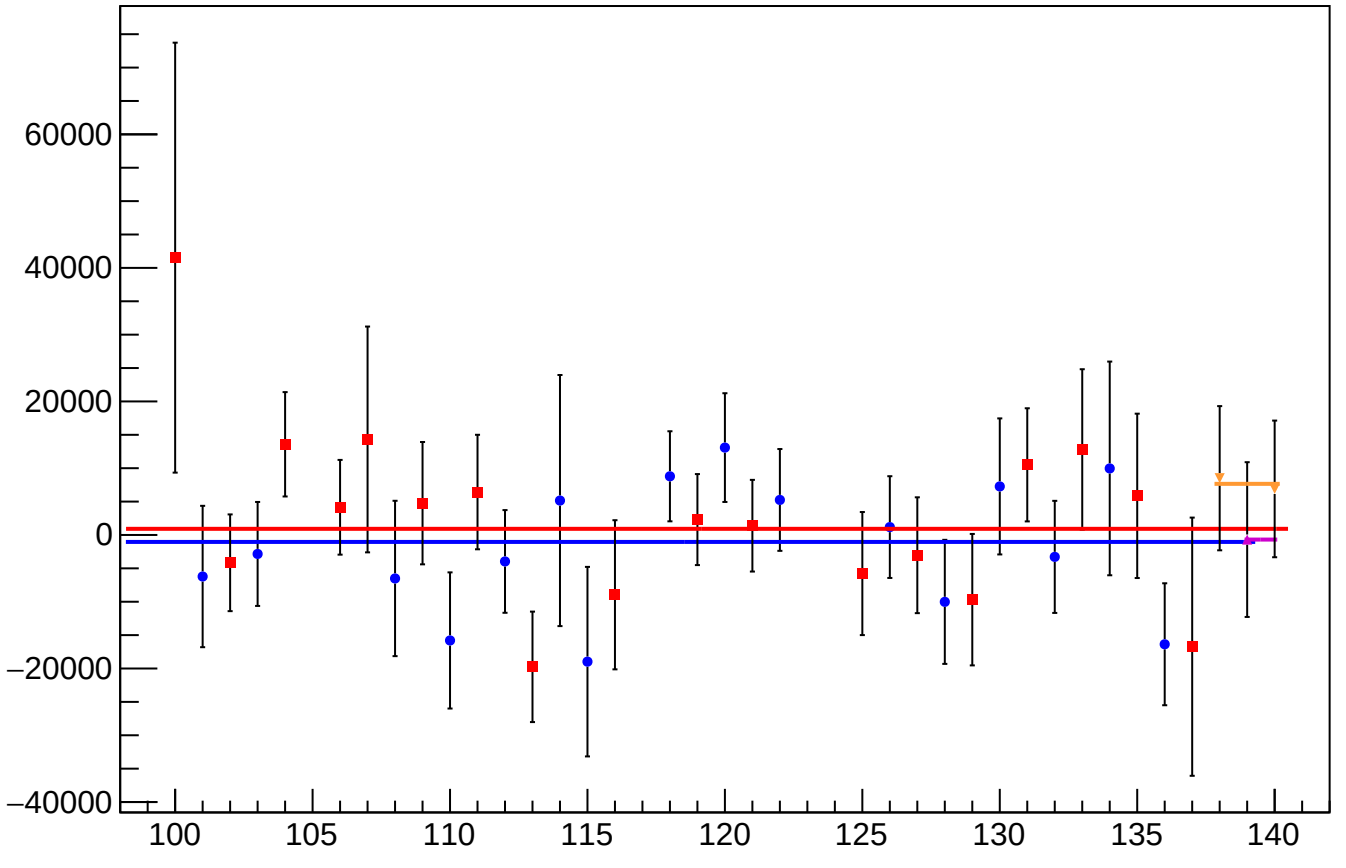
Left: 2819.098+/-1.270 χ^2/NDF: 6777.6/2

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2100.306+/-0.530 χ^2/NDF:371951.4/16

Out: 2132.584+/-0.515 χ^2/NDF:433870.8/19

All: 2116.896+/-0.369 χ^2/NDF: 807731.1/36



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 7655.746+/-7428.031 χ^2/NDF:0.0/1

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: -689.931+/-11589.407 χ^2/NDF:0.0/0

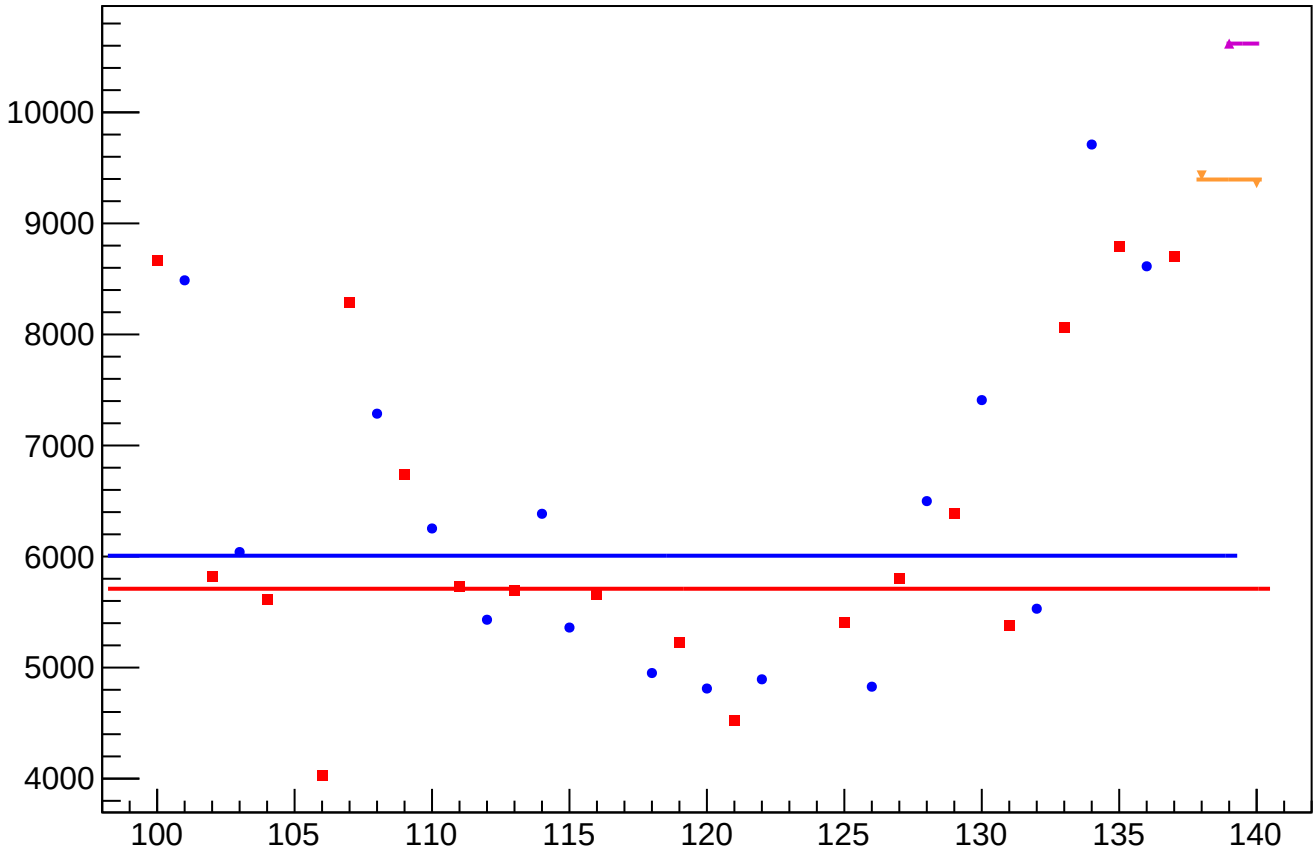
Left: 5225.654+/-6253.768 χ^2/NDF: 0.4/2

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -1029.215+/-2250.912 χ^2/NDF:15.3/16

Out: 1440.773+/-2066.022 χ^2/NDF:19.1/19

All: 311.373+/-1522.072 χ^2/NDF: 35.1/36



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9395.227+/-5.252 χ^2/NDF:43.3/1

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 10619.323+/-8.195 χ^2/NDF:0.0/0

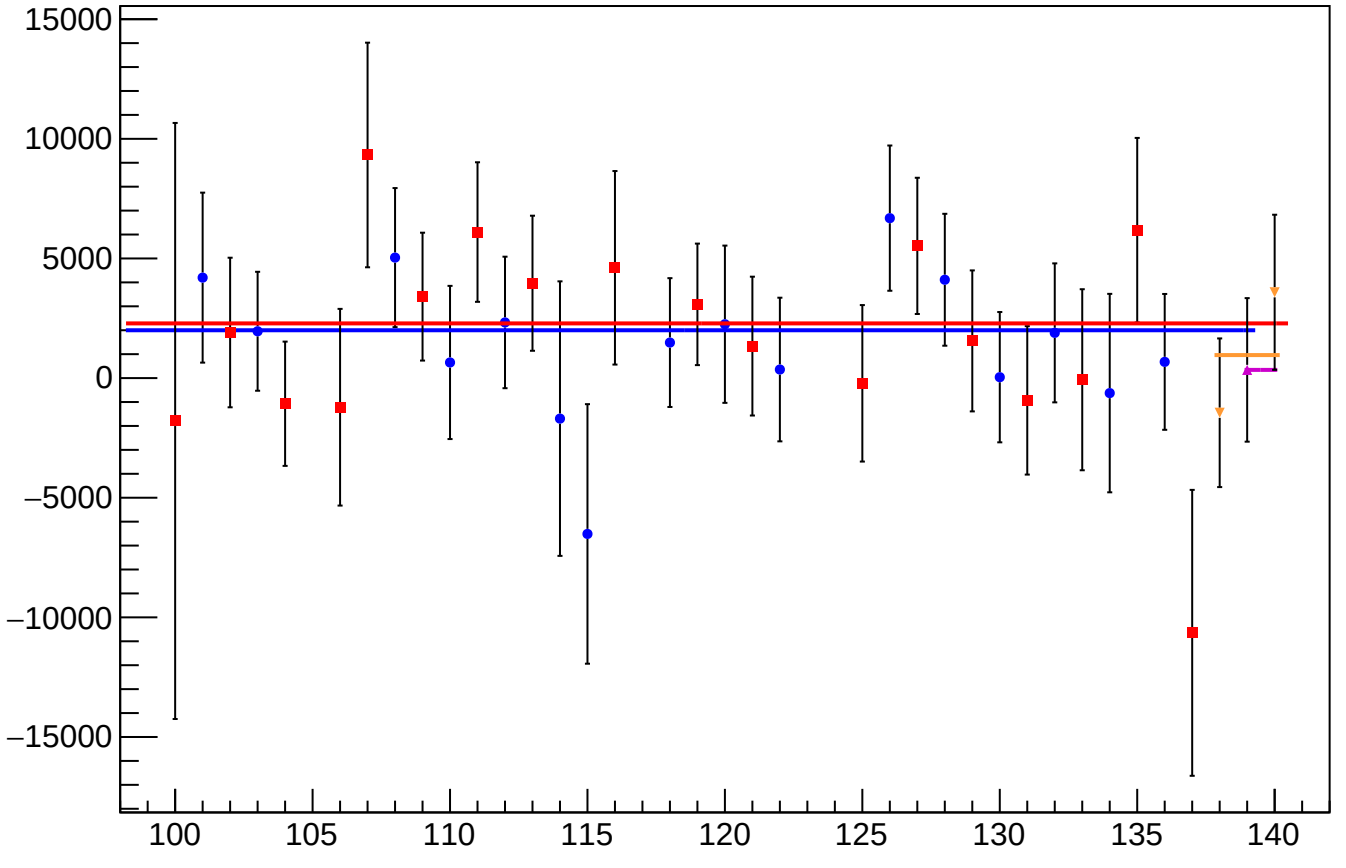
Left: 9751.659+/-4.422 χ^2/NDF: 15858.5/2

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 6181.395+/-1.592 χ^2/NDF:958763.4/16

Out: 5995.003+/-1.461 χ^2/NDF:990189.1/19

All: 6080.231+/-1.076 χ^2/NDF: 1956395.8/36



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 961.825+/-2242.907 χ^2/NDF:1.3/1

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 342.521+/-2999.901 χ^2/NDF:0.0/0

Left: 739.767+/-1796.341 χ^2/NDF: 1.3/2

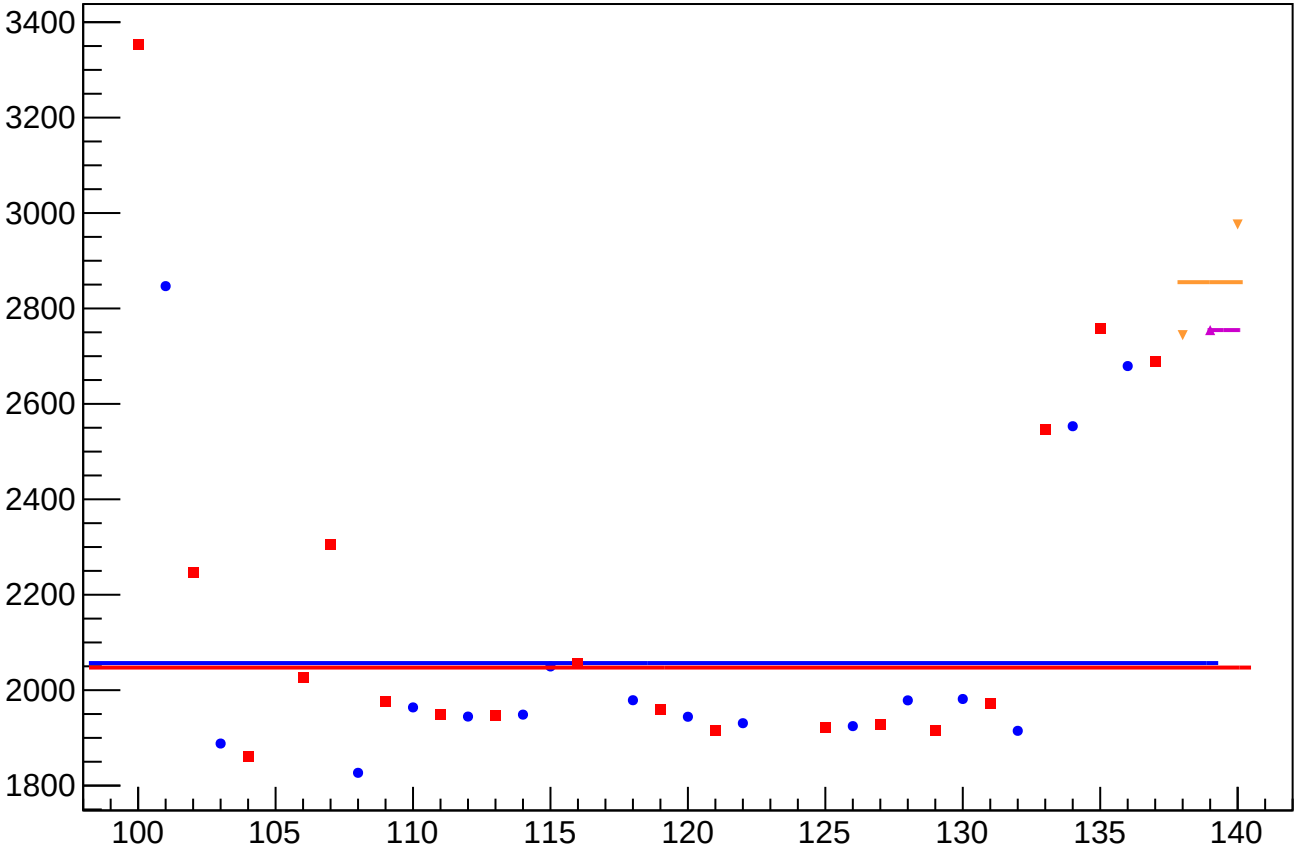
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 1895.934+/-749.037 χ^2/NDF:9.3/16

Out: 2145.882+/-729.377 χ^2/NDF:18.2/19

All: 2024.231+/-522.560 χ^2/NDF: 27.6/36

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2855.098+/-1.586 χ^2/NDF:5341.0/1

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2754.703+/-2.121 χ^2/NDF:0.0/0

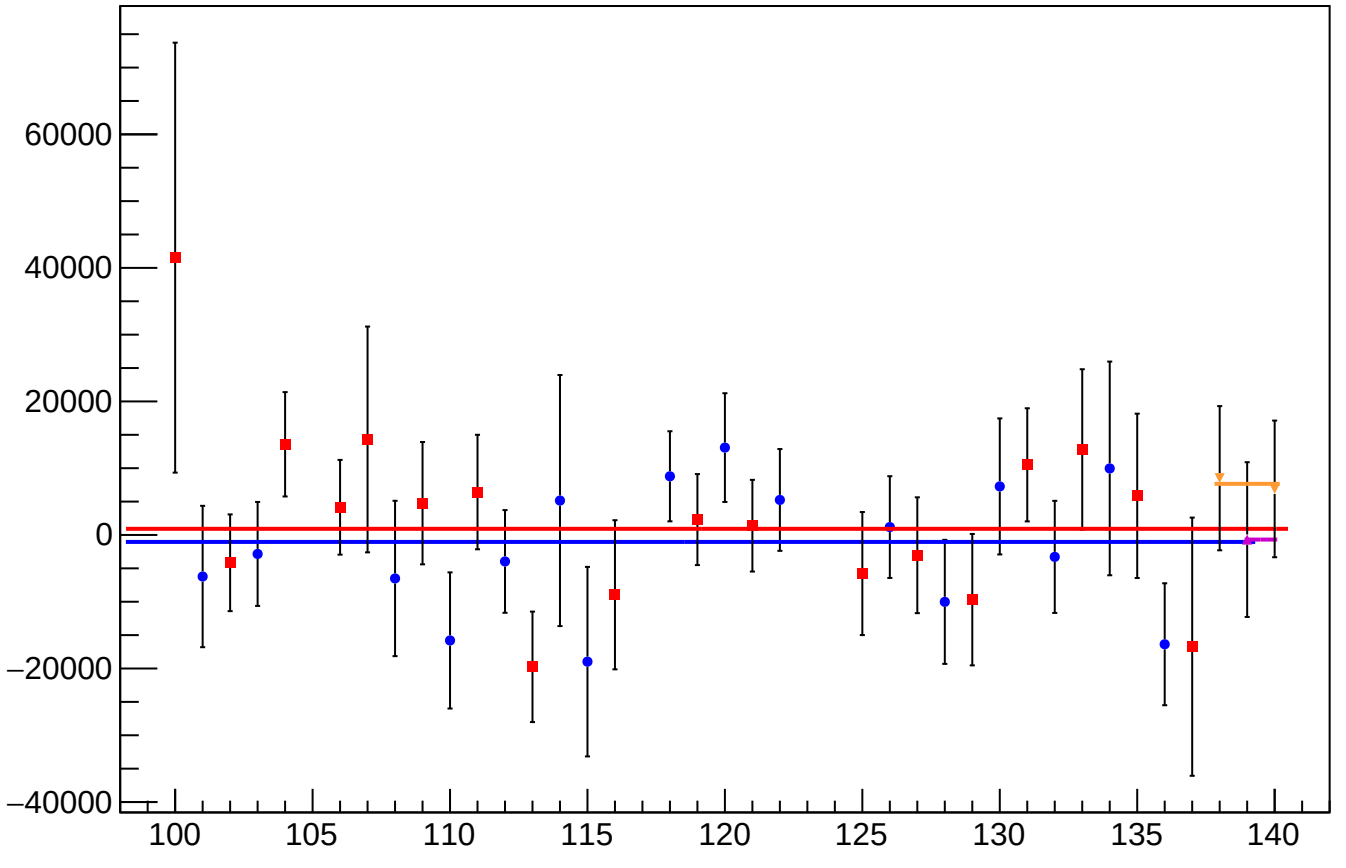
Left: 2819.100+/-1.270 χ^2/NDF: 6777.7/2

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2100.306+/-0.530 χ^2/NDF:371952.0/16

Out: 2132.584+/-0.515 χ^2/NDF:433871.8/19

All: 2116.896+/-0.369 χ^2/NDF: 807732.7/36



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 7655.761+/-7428.050 χ^2/NDF:0.0/1

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: -689.918+/-11589.449 χ^2/NDF:0.0/0

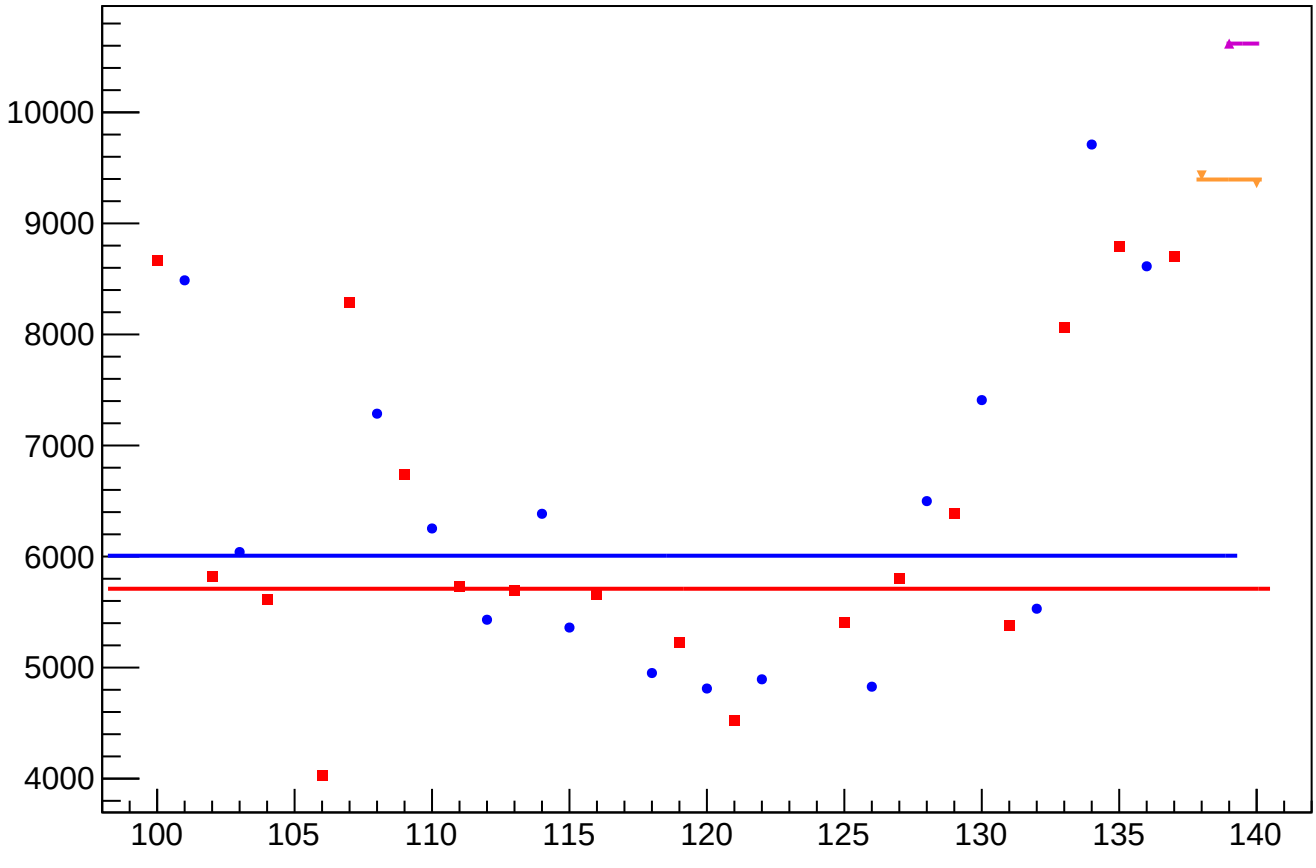
Left: 5225.672+/-6253.786 χ^2/NDF: 0.4/2

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -1029.203+/-2250.906 χ^2/NDF:15.3/16

Out: 1440.774+/-2066.017 χ^2/NDF:19.1/19

All: 311.378+/-1522.068 χ^2/NDF: 35.1/36



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9395.251+/-5.252 χ^2/NDF:43.3/1

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 10619.362+/-8.195 χ^2/NDF:0.0/0

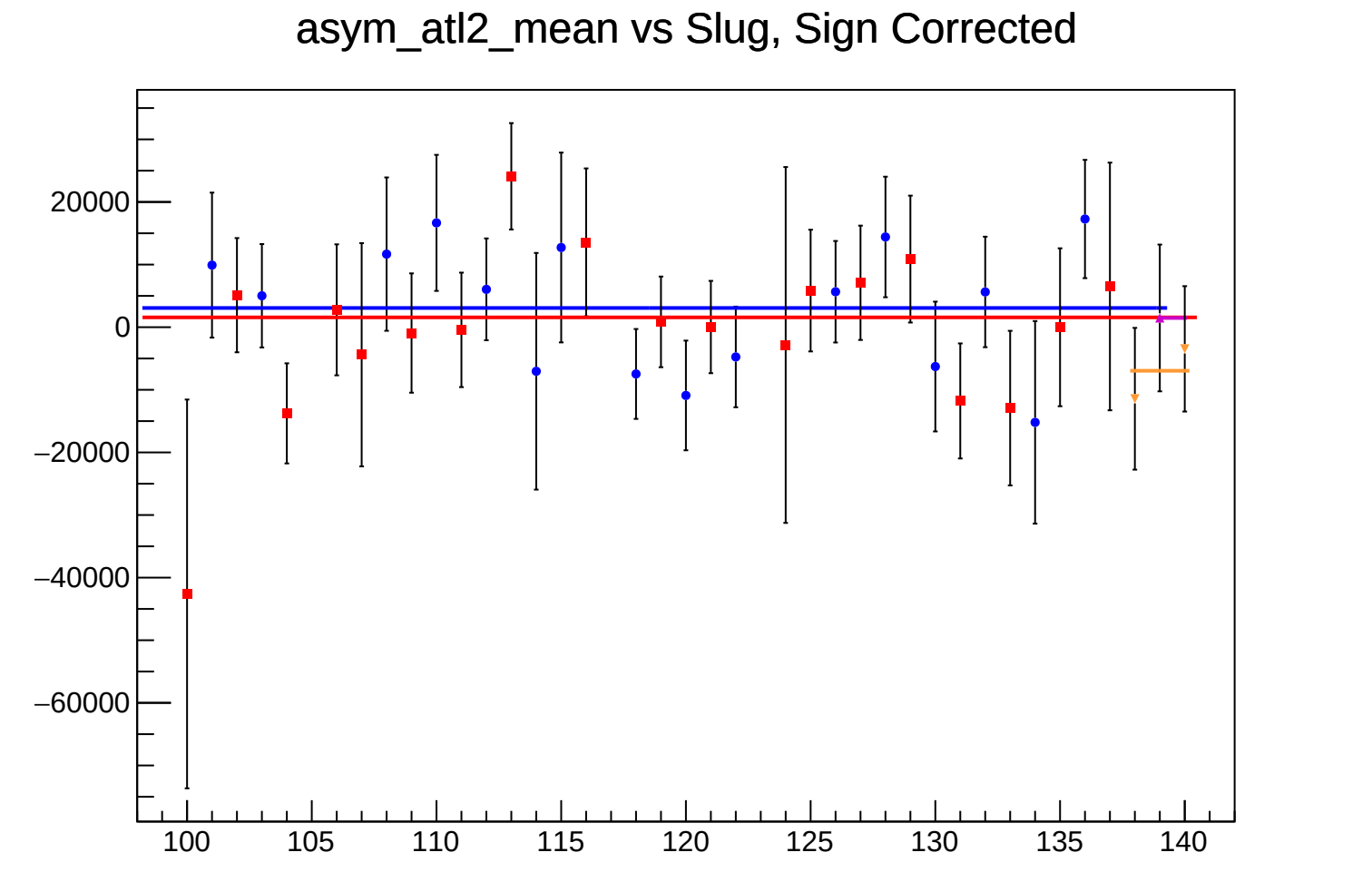
Left: 9751.687+/-4.422 χ^2/NDF: 15858.8/2

Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 6181.375+/-1.592 χ^2/NDF:958777.3/16

Out: 5994.987+/-1.461 χ^2/NDF:990201.1/19

All: 6080.213+/-1.076 χ^2/NDF: 1956421.5/36



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -6958.791+/-7500.925 χ^2/NDF:0.3/1

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 1474.544+/-11720.042 χ^2/NDF:0.0/0

Left: -4508.196+/-6317.791 χ^2/NDF: 0.6/2

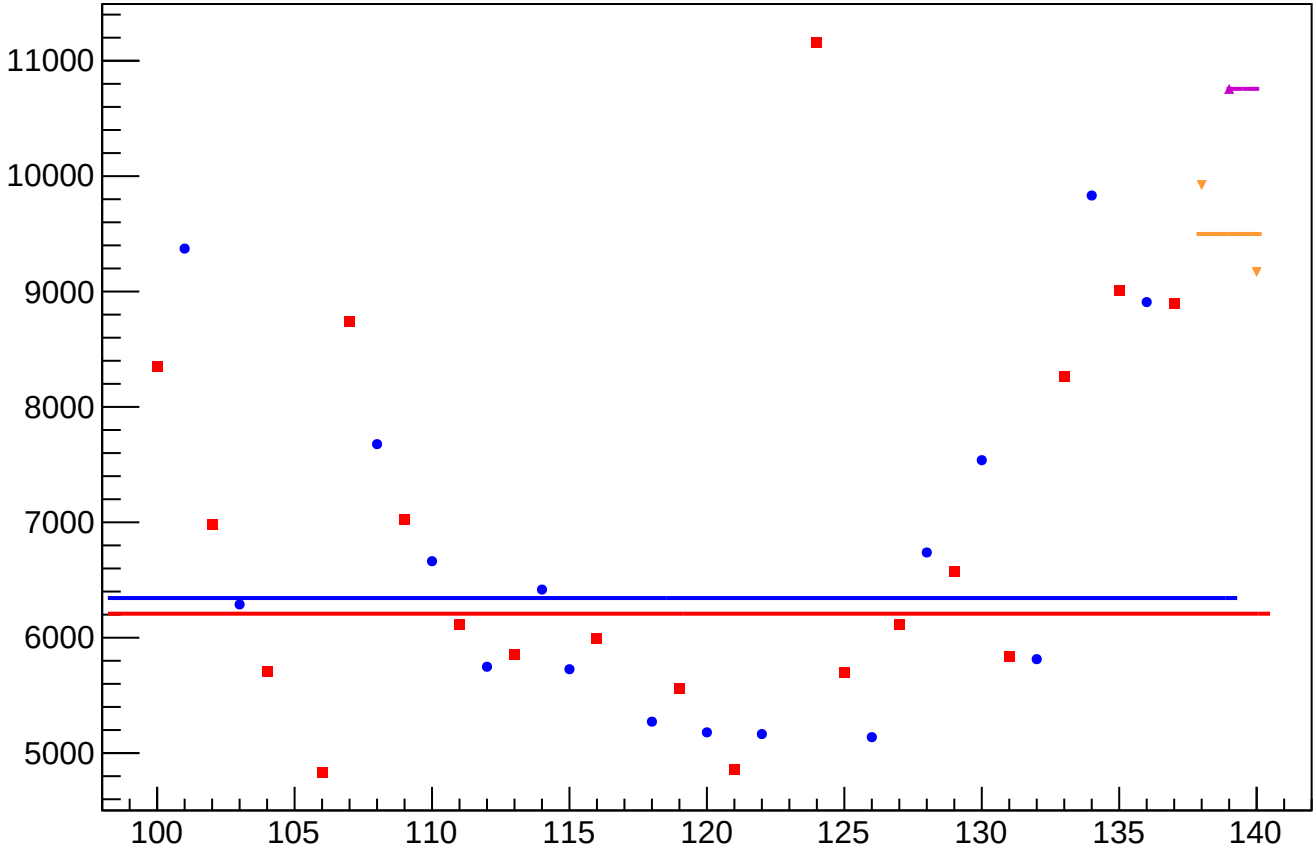
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 3005.002+/-2370.681 χ^2/NDF:14.9/16

Out: 813.361+/-2230.243 χ^2/NDF:20.7/20

All: 1842.347+/-1624.400 χ^2/NDF: 36.0/37

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9499.178+/-5.304 χ^2/NDF:4966.5/1

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 10756.506+/-8.287 χ^2/NDF:0.0/0

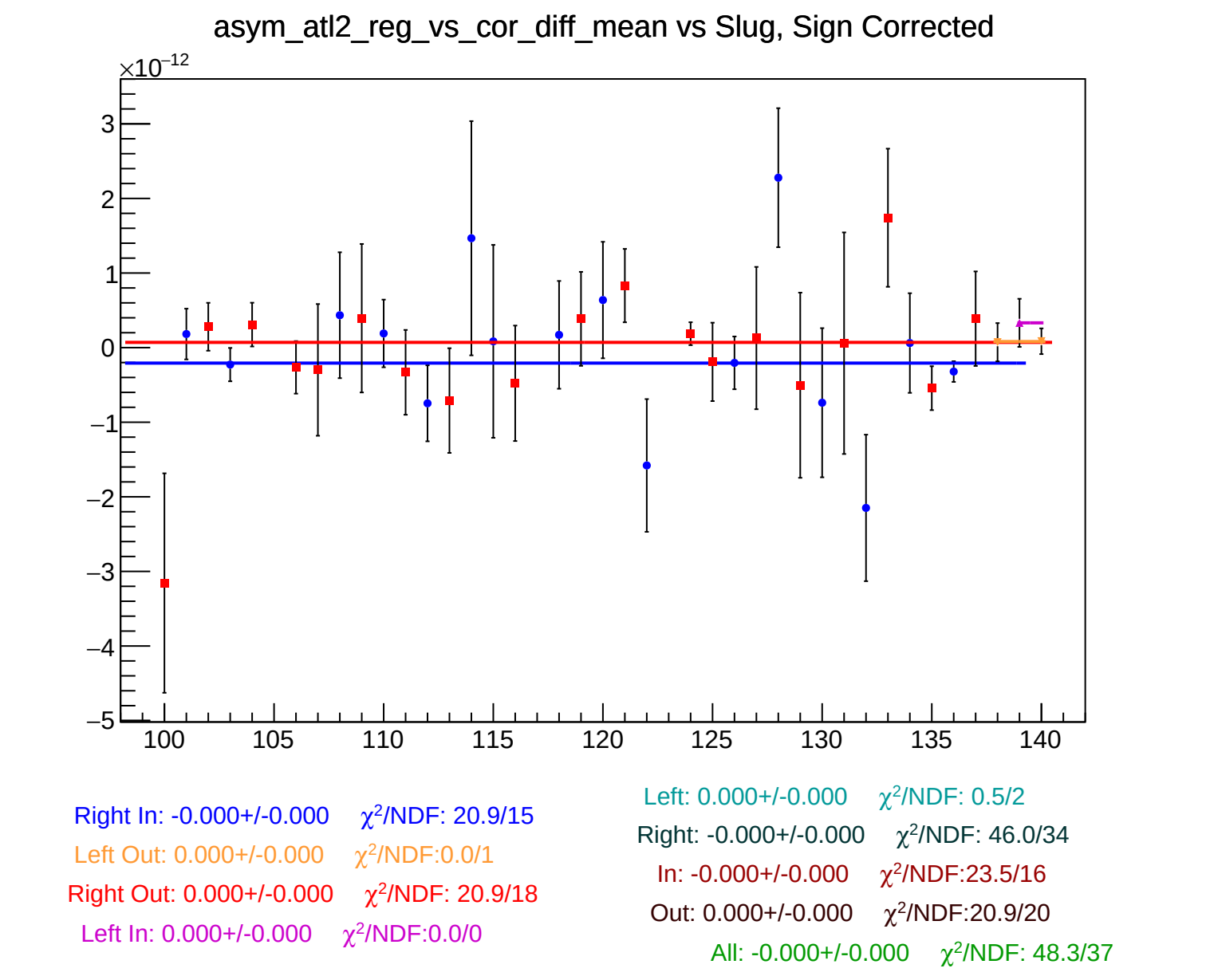
Left: 9864.537+/-4.467 χ^2/NDF: 21295.9/2

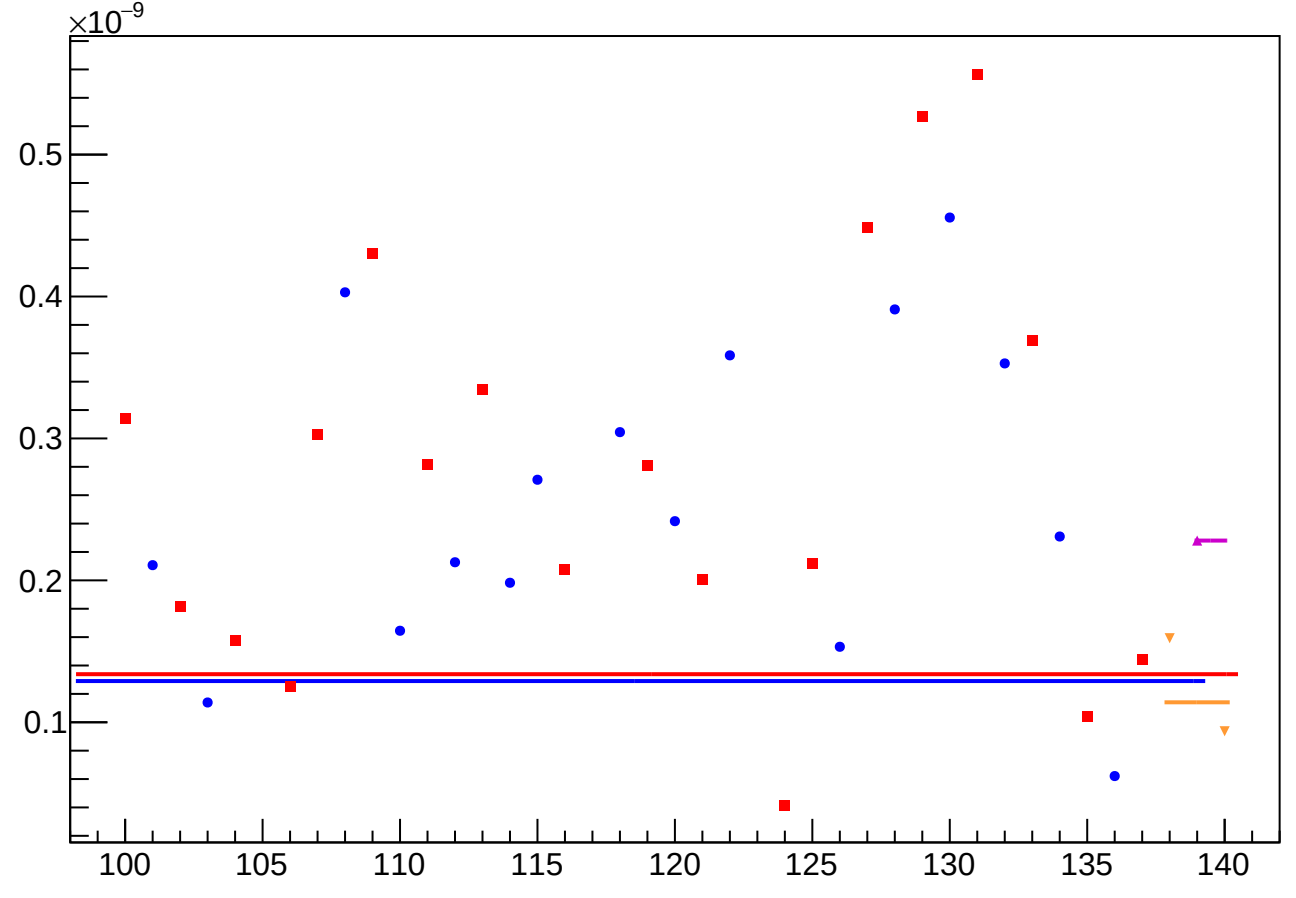
Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 6524.344+/-1.676 χ^2/NDF:893159.0/16

Out: 6499.044+/-1.577 χ^2/NDF:827784.7/20

All: 6510.923+/-1.149 χ^2/NDF: 1721064.6/37


asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/1
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.5/2
Right: -0.000+/-0.000 χ²/NDF: 46.0/34
In: -0.000+/-0.000 χ²/NDF:23.5/16
Out: 0.000+/-0.000 χ²/NDF:20.9/20
All: -0.000+/-0.000 χ²/NDF: 48.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:90103.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

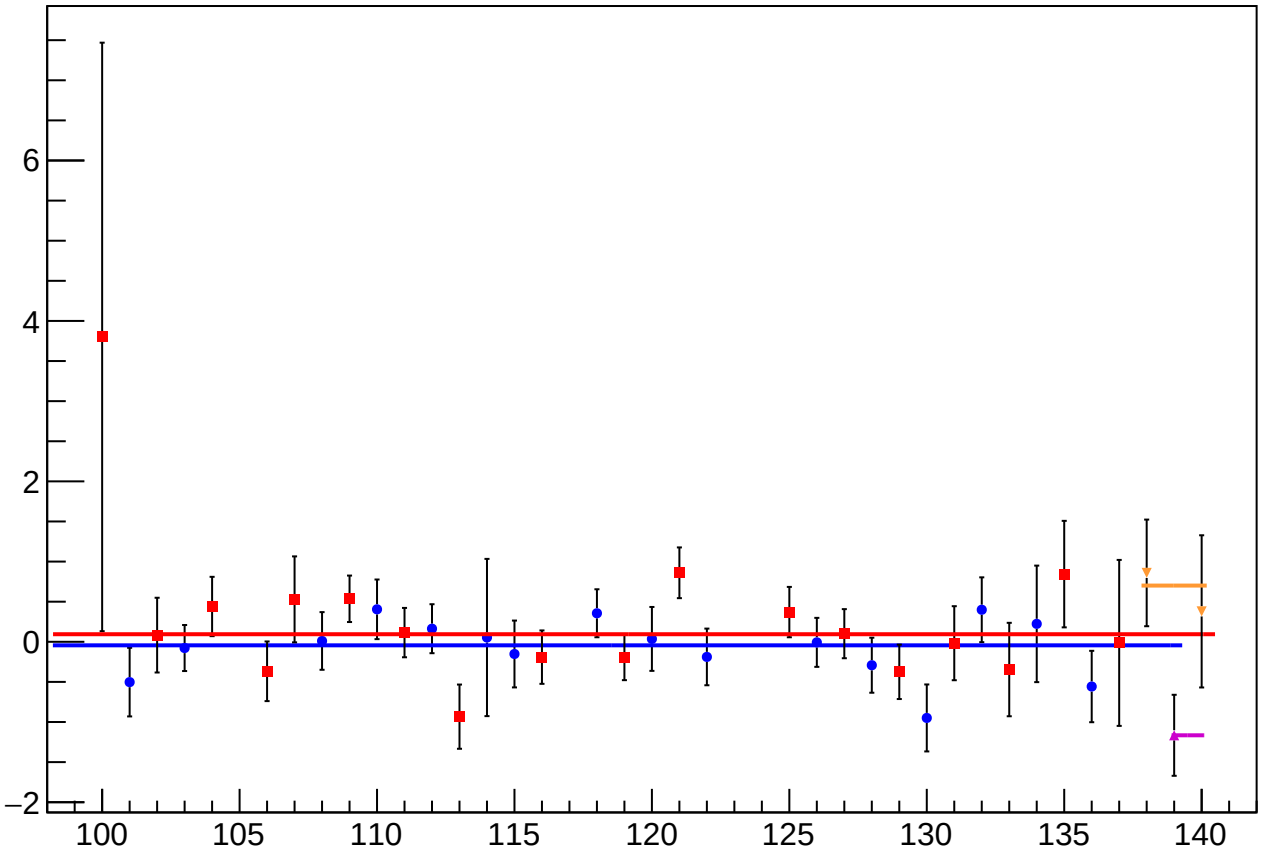
Left: 0.000+/-0.000 χ^2/NDF: 298866.0/2

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:1893673.9/16

Out: 0.000+/-0.000 χ^2/NDF:2421108.6/20

All: 0.000+/-0.000 χ^2/NDF: 4326414.6/37



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.701+/-0.544 χ^2/NDF:0.2/1

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -1.166+/-0.505 χ^2/NDF:0.0/0

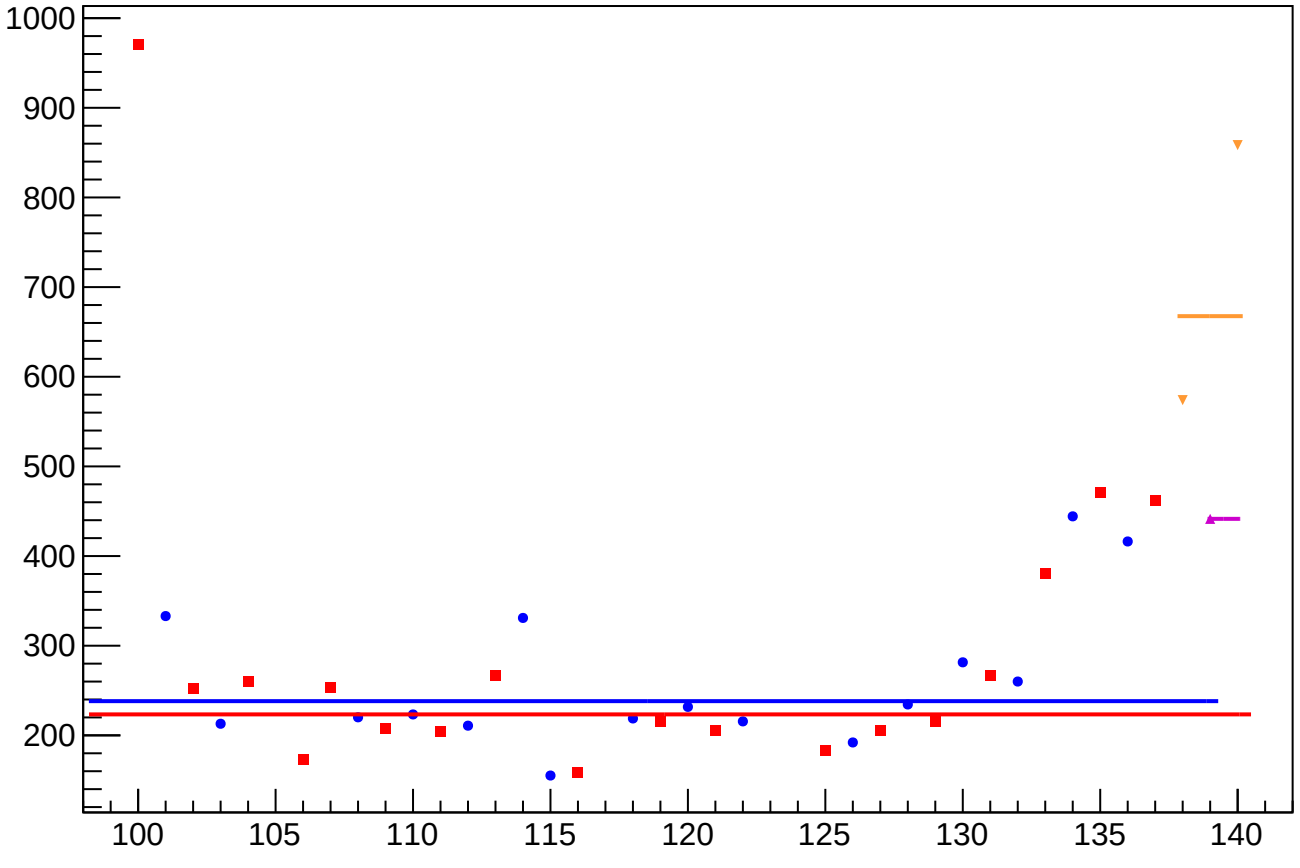
Left: -0.302+/-0.370 χ^2/NDF: 6.5/2

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.081+/-0.092 χ^2/NDF:17.9/16

Out: 0.111+/-0.089 χ^2/NDF:26.7/19

All: 0.018+/-0.064 χ^2/NDF: 46.8/36



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 667.593+/-0.385 χ^2/NDF:120609.7/1

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 441.503+/-0.357 χ^2/NDF:0.0/0

Left: 546.063+/-0.262 χ^2/NDF: 306049.4/2

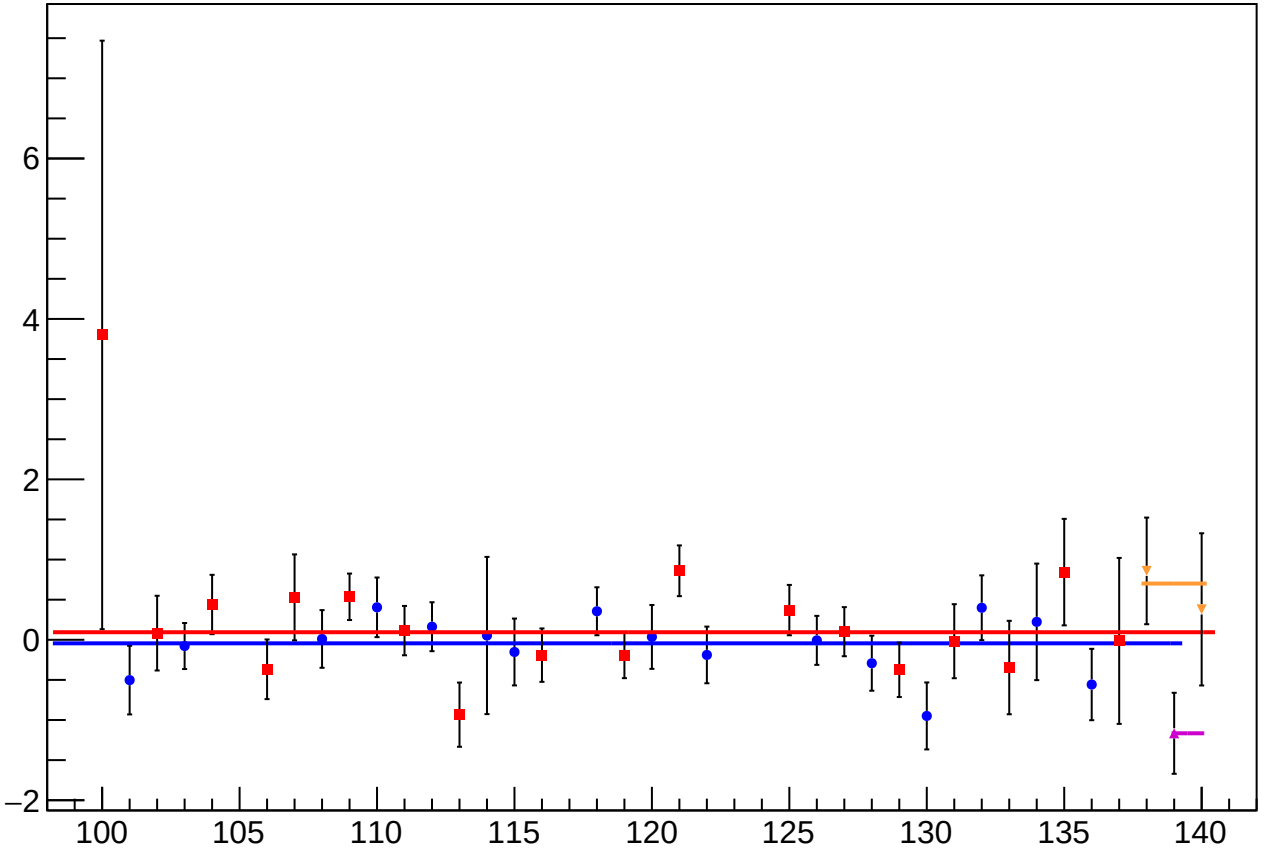
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 244.948+/-0.065 χ^2/NDF:1120716.9/16

Out: 235.215+/-0.063 χ^2/NDF:2279273.9/19

All: 239.899+/-0.045 χ^2/NDF: 3411544.9/36

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.701+/-0.544 χ^2/NDF:0.2/1

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -1.166+/-0.505 χ^2/NDF:0.0/0

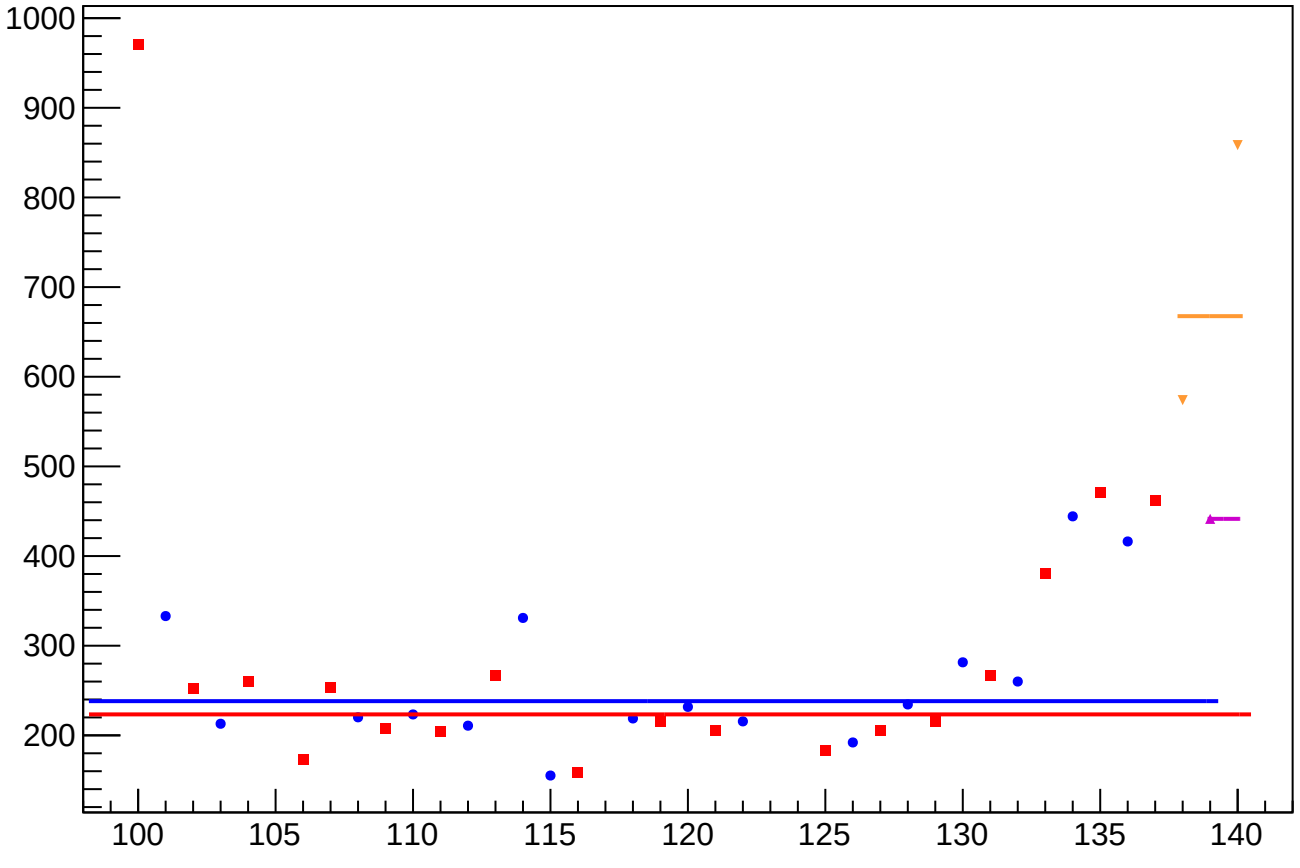
Left: -0.302+/-0.370 χ^2/NDF: 6.5/2

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.081+/-0.092 χ^2/NDF:17.9/16

Out: 0.111+/-0.089 χ^2/NDF:26.7/19

All: 0.018+/-0.064 χ^2/NDF: 46.8/36



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 667.593+/-0.385 χ^2/NDF:120609.7/1

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 441.503+/-0.357 χ^2/NDF:0.0/0

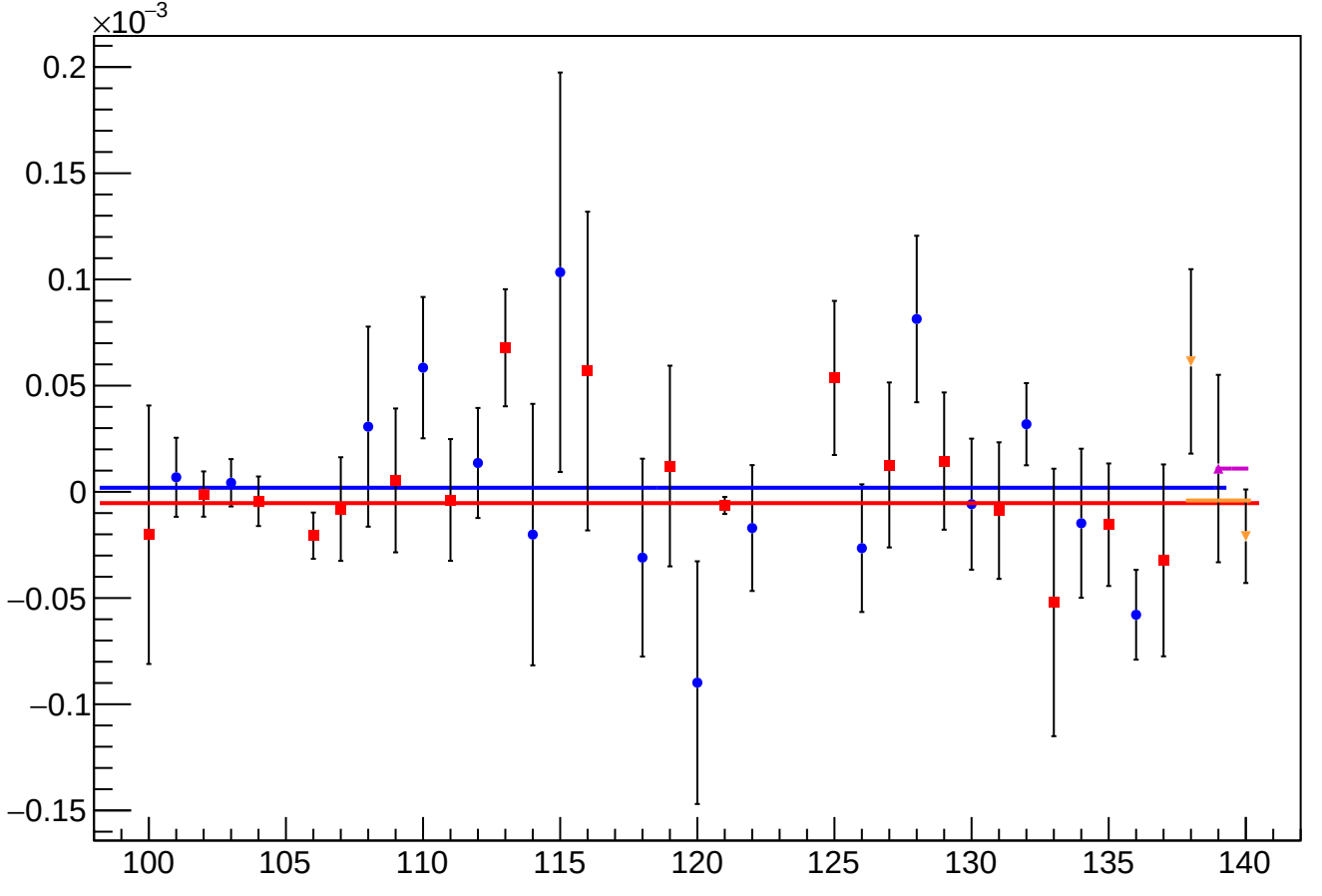
Left: 546.063+/-0.262 χ^2/NDF: 306049.4/2

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 244.948+/-0.065 χ^2/NDF:1120716.9/16

Out: 235.215+/-0.063 χ^2/NDF:2279273.9/19

All: 239.899+/-0.045 χ^2/NDF: 3411544.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/1

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

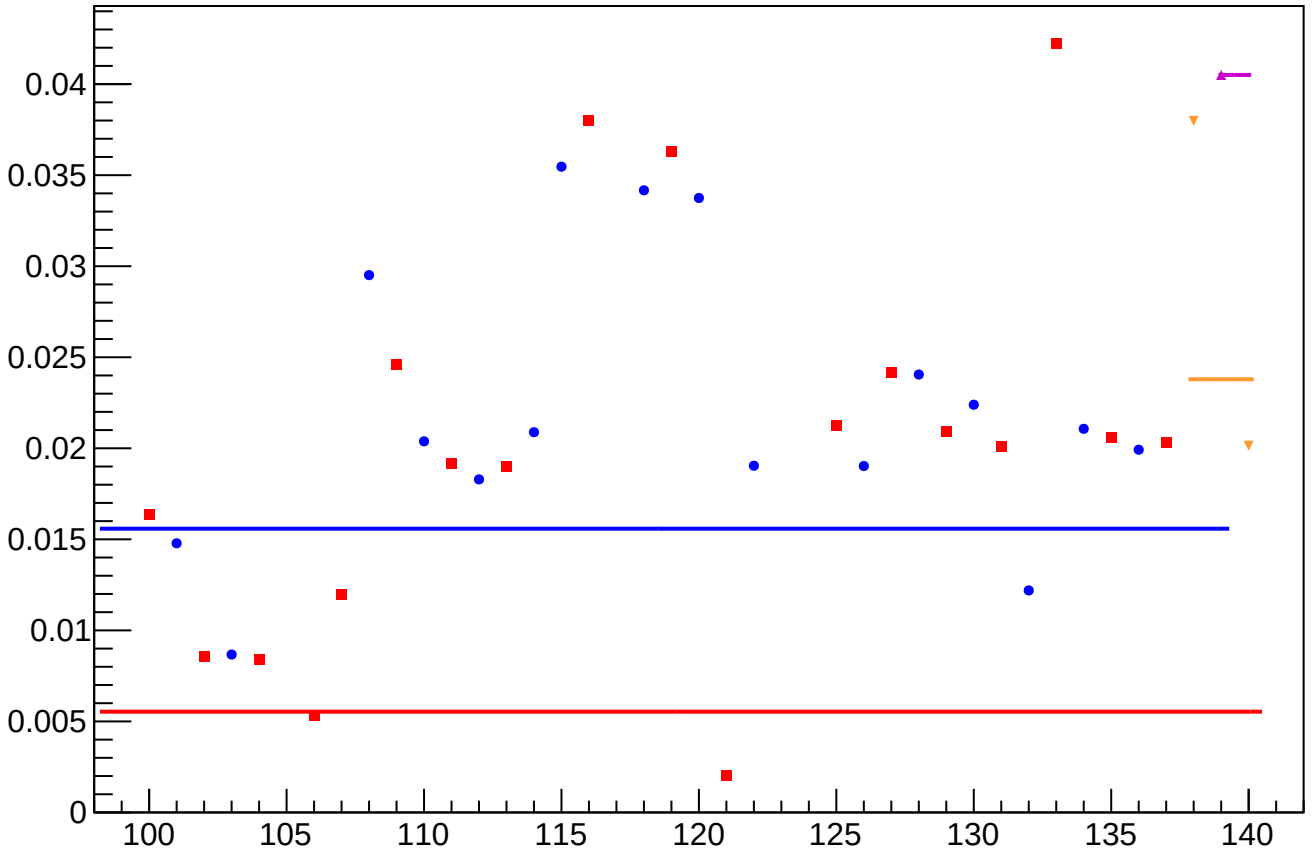
Left: -0.000+/-0.000 χ^2/NDF: 3.0/2

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:24.1/16

Out: -0.000+/-0.000 χ^2/NDF:17.4/19

All: -0.000+/-0.000 χ^2/NDF: 42.6/36



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.024+/-0.000 χ^2/NDF:268622.3/1

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.041+/-0.000 χ^2/NDF:0.0/0

Left: 0.027+/-0.000 χ^2/NDF: 508230.5/2

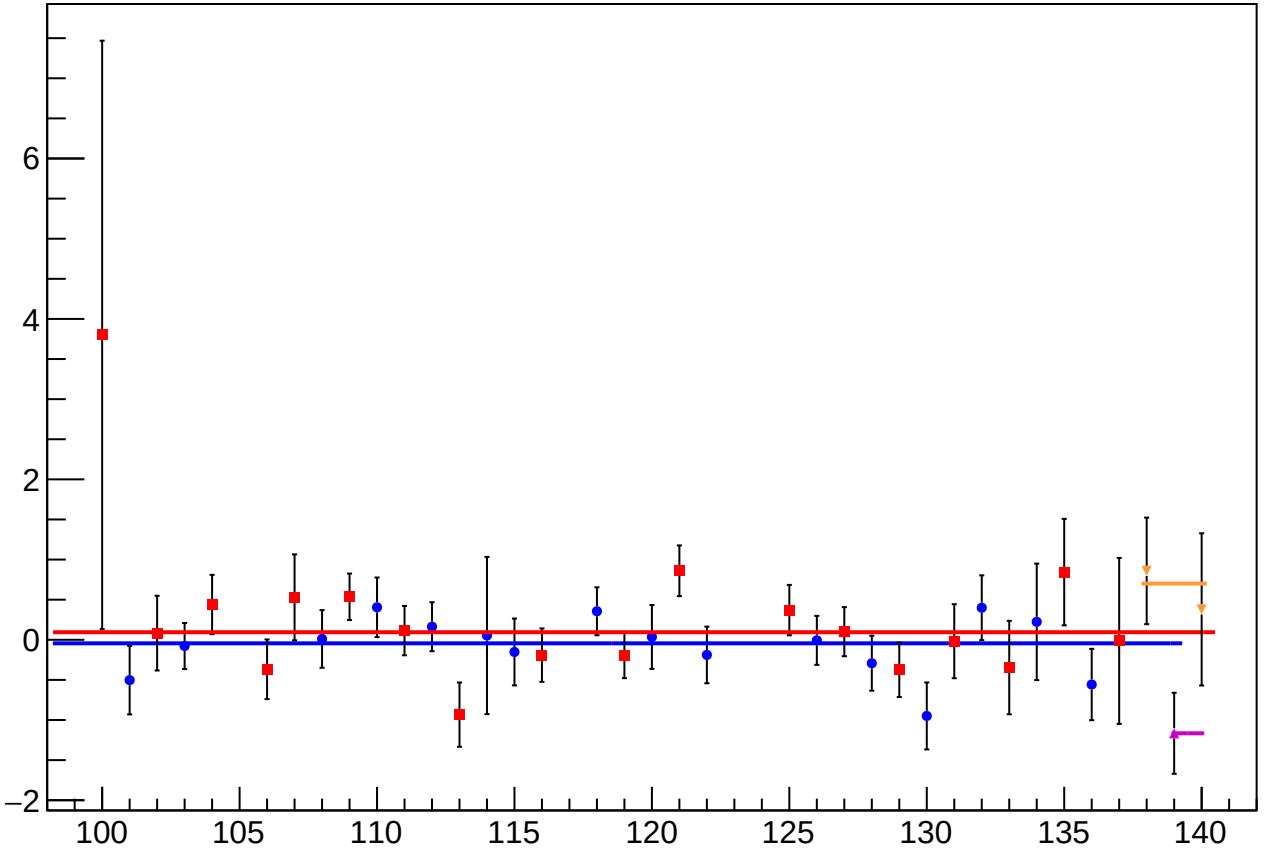
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.016+/-0.000 χ^2/NDF:2699860.1/16

Out: 0.006+/-0.000 χ^2/NDF:9907204.8/19

All: 0.008+/-0.000 χ^2/NDF: 16695405.0/36

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.701+/-0.544 χ^2/NDF:0.2/1

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -1.166+/-0.505 χ^2/NDF:0.0/0

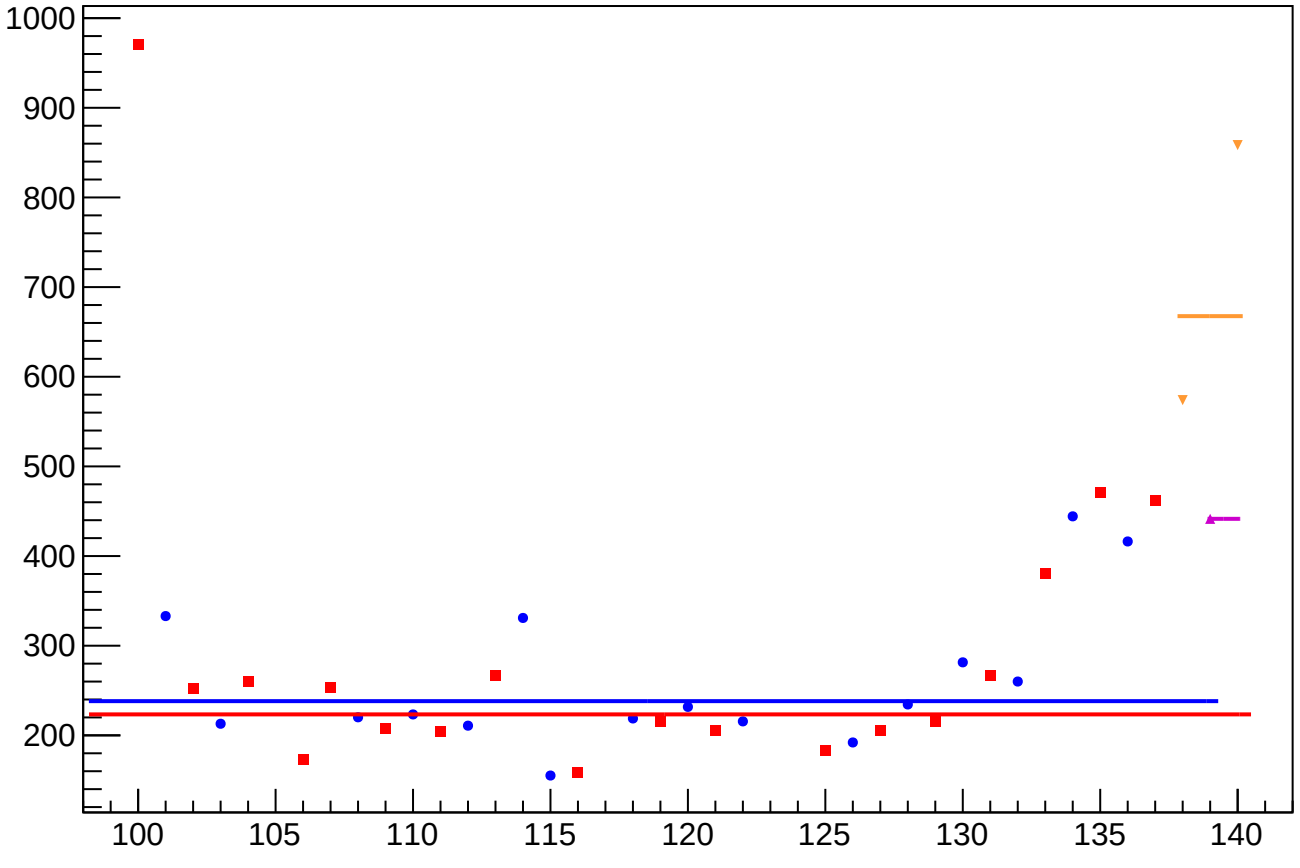
Left: -0.302+/-0.370 χ^2/NDF: 6.5/2

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.081+/-0.092 χ^2/NDF:17.9/16

Out: 0.111+/-0.089 χ^2/NDF:26.7/19

All: 0.018+/-0.064 χ^2/NDF: 46.8/36



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 667.598+/-0.385 χ^2/NDF:120614.1/1

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 441.515+/-0.357 χ^2/NDF:0.0/0

Left: 546.075+/-0.262 χ^2/NDF: 306035.1/2

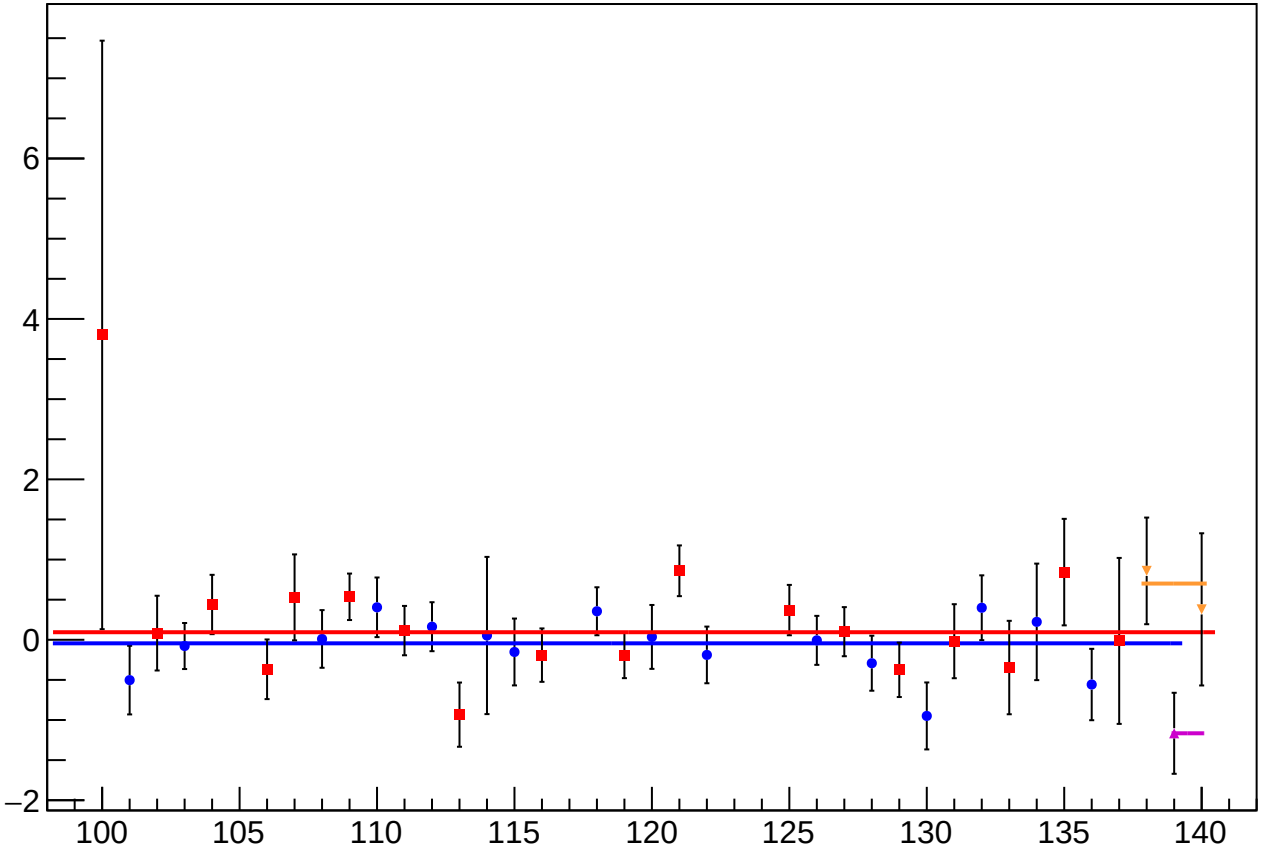
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 244.948+/-0.065 χ^2/NDF:1120701.3/16

Out: 235.217+/-0.063 χ^2/NDF:2279221.9/19

All: 239.900+/-0.045 χ^2/NDF: 3411475.3/36

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.701+/-0.544 χ^2/NDF:0.2/1

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -1.166+/-0.505 χ^2/NDF:0.0/0

Left: -0.302+/-0.370 χ^2/NDF: 6.5/2

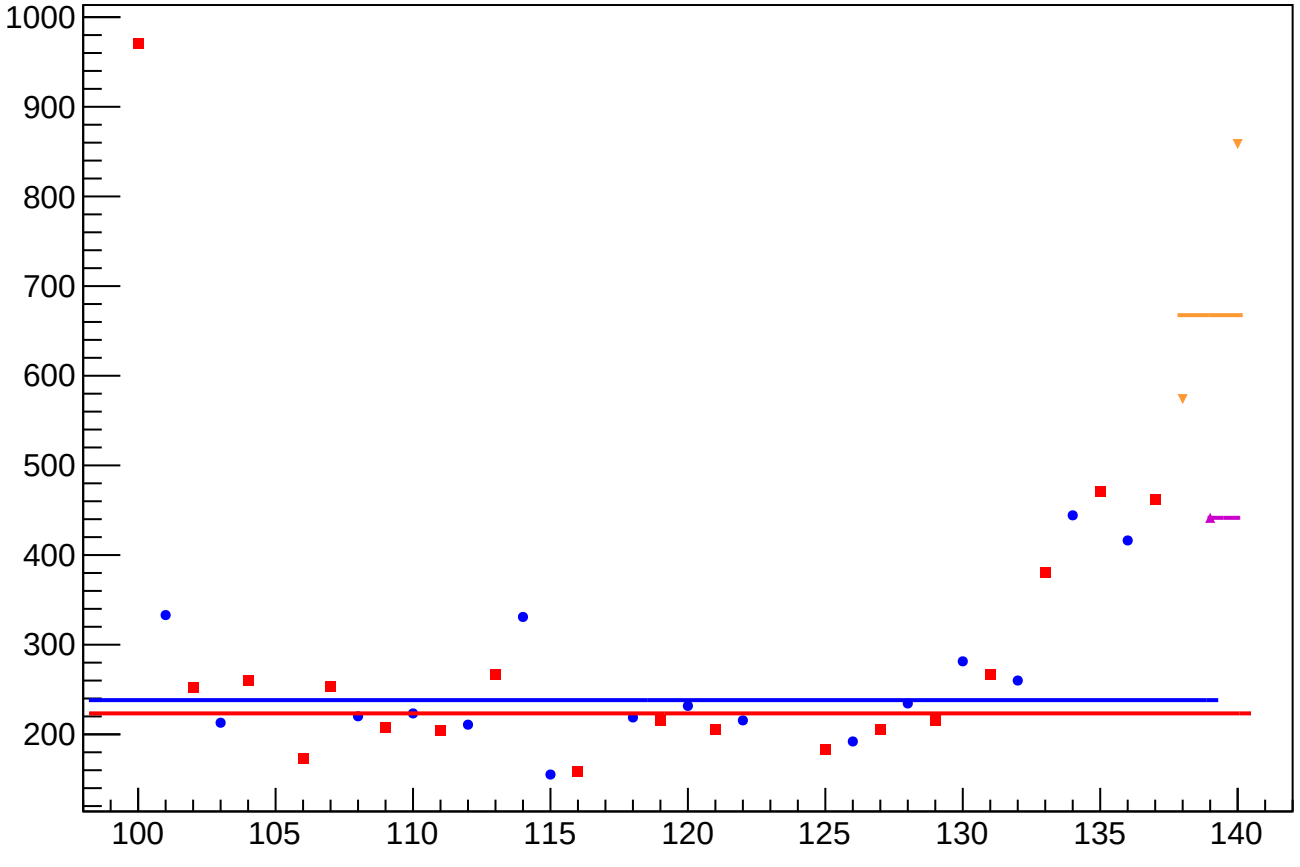
Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.081+/-0.092 χ^2/NDF:17.9/16

Out: 0.111+/-0.089 χ^2/NDF:26.7/19

All: 0.018+/-0.064 χ^2/NDF: 46.8/36

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 667.598+/-0.385 χ^2/NDF:120614.1/1

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 441.515+/-0.357 χ^2/NDF:0.0/0

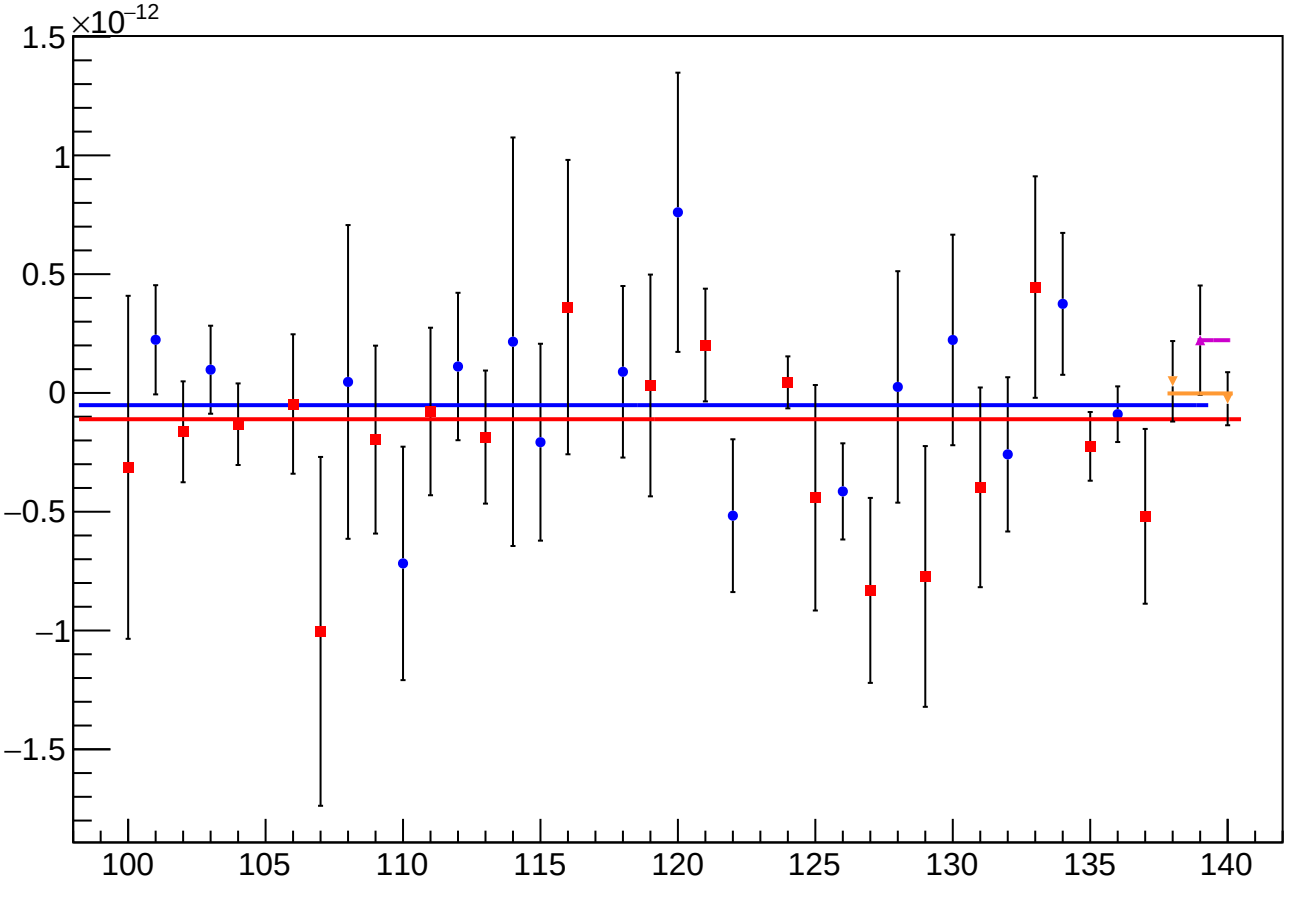
Left: 546.075+/-0.262 χ^2/NDF: 306035.1/2

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 244.948+/-0.065 χ^2/NDF:1120701.3/16

Out: 235.217+/-0.063 χ^2/NDF:2279221.9/19

All: 239.900+/-0.045 χ^2/NDF: 3411475.3/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

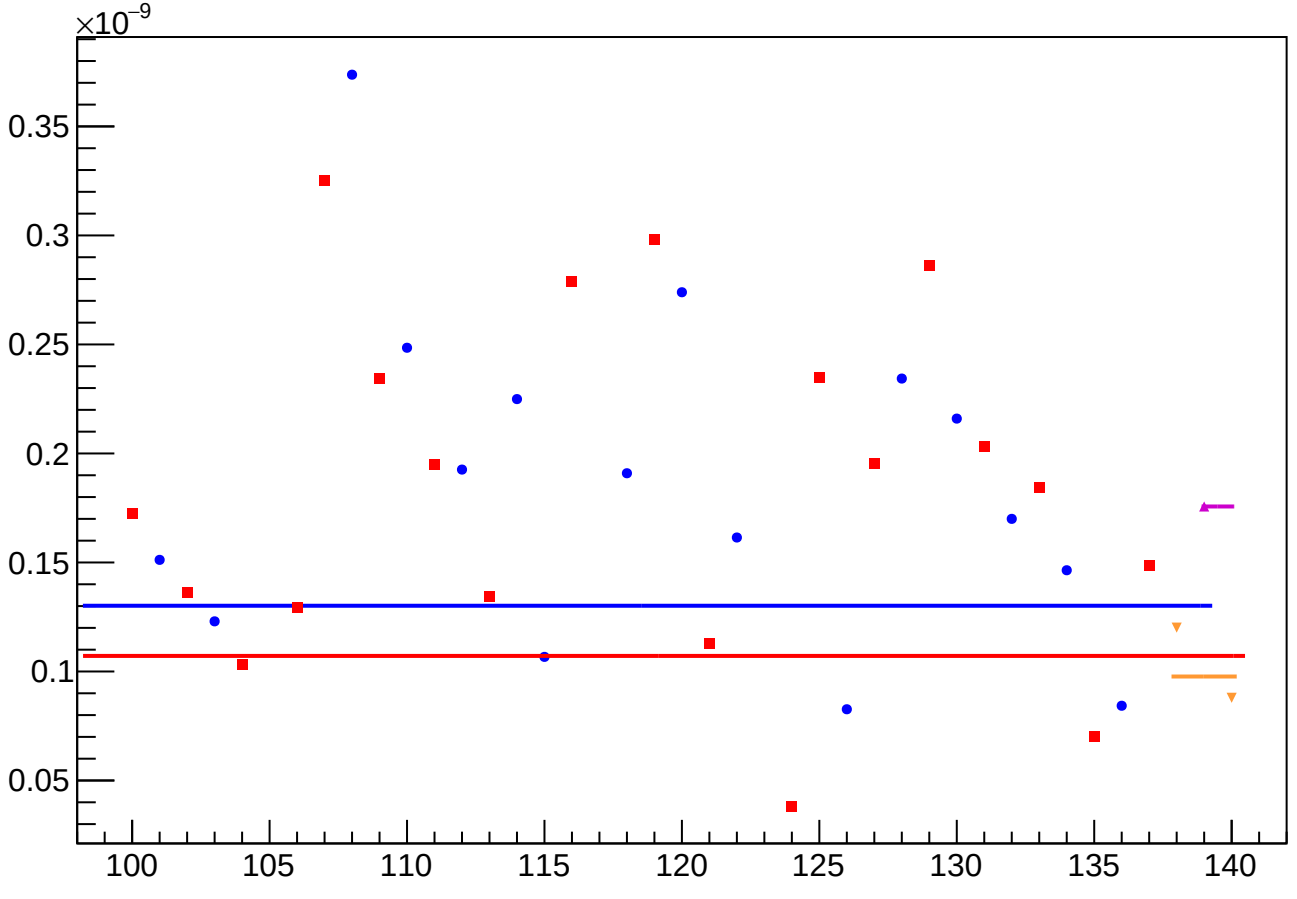
Left: 0.000+/-0.000 χ^2/NDF: 0.9/2

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:16.1/16

Out: -0.000+/-0.000 χ^2/NDF:16.4/20

All: -0.000+/-0.000 χ^2/NDF: 32.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:50287.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 247421.7/2

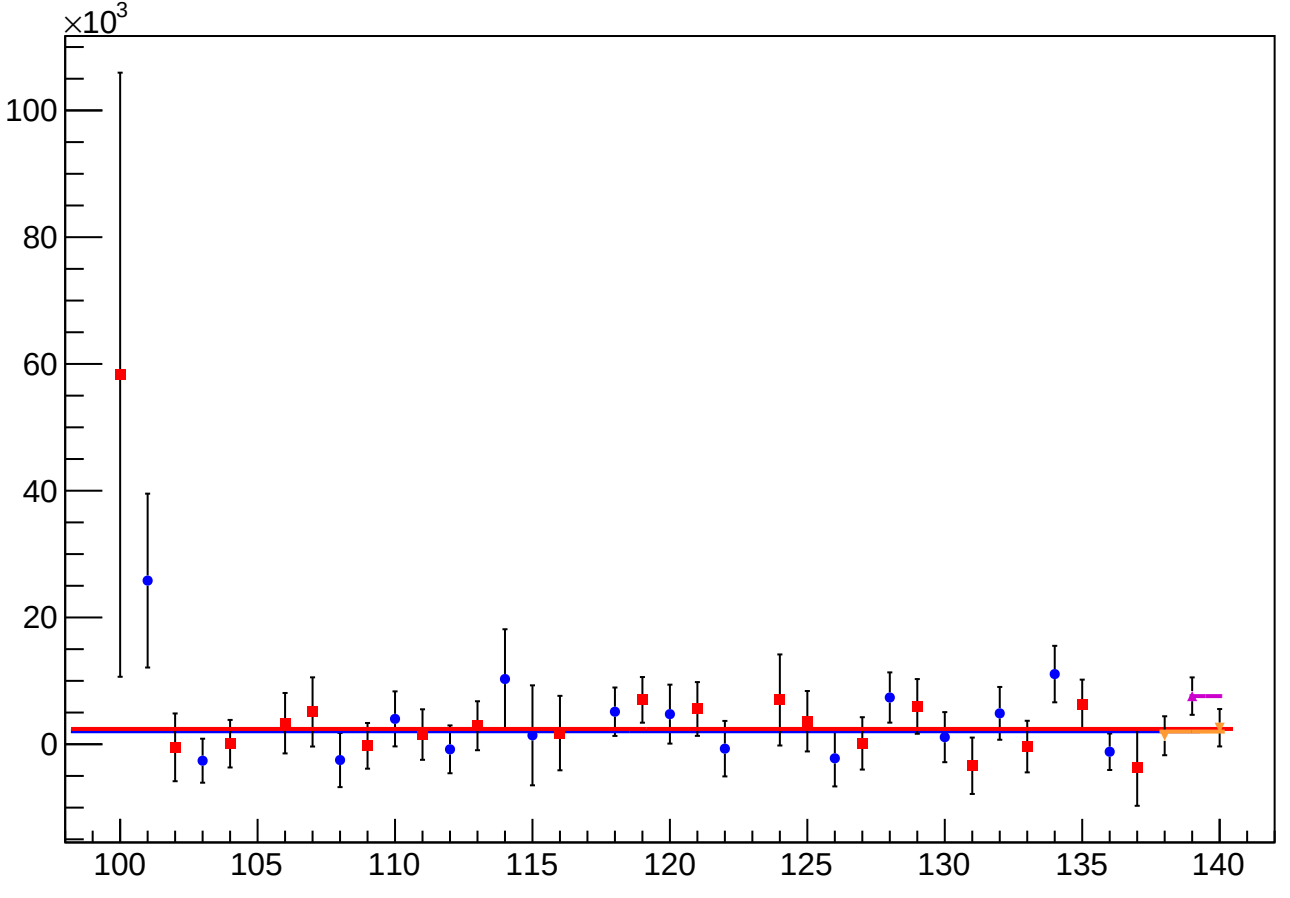
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:1406288.3/16

Out: 0.000+/-0.000 χ^2/NDF:2721114.6/20

All: 0.000+/-0.000 χ^2/NDF: 4384643.0/37

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1997.699+/-2127.695 χ^2/NDF:0.1/1

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 7592.569+/-2953.844 χ^2/NDF:0.0/0

Left: 3908.952+/-1726.441 χ^2/NDF: 2.5/2

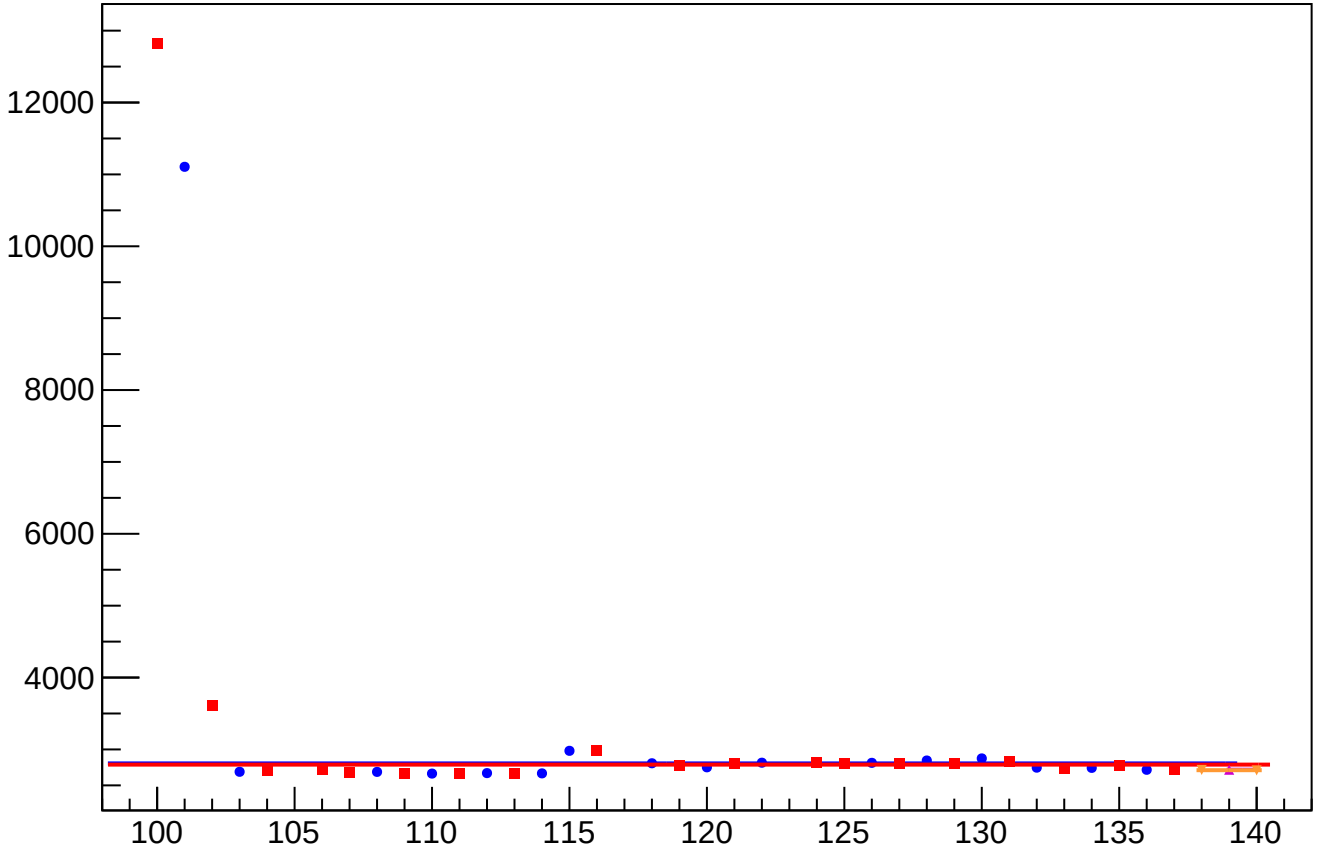
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2692.892+/-1006.358 χ^2/NDF:20.9/16

Out: 2332.551+/-931.067 χ^2/NDF:10.9/20

All: 2498.740+/-683.433 χ^2/NDF: 31.9/37

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2711.220+/-1.505 χ^2/NDF:4.2/1

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2717.815+/-2.089 χ^2/NDF:0.0/0

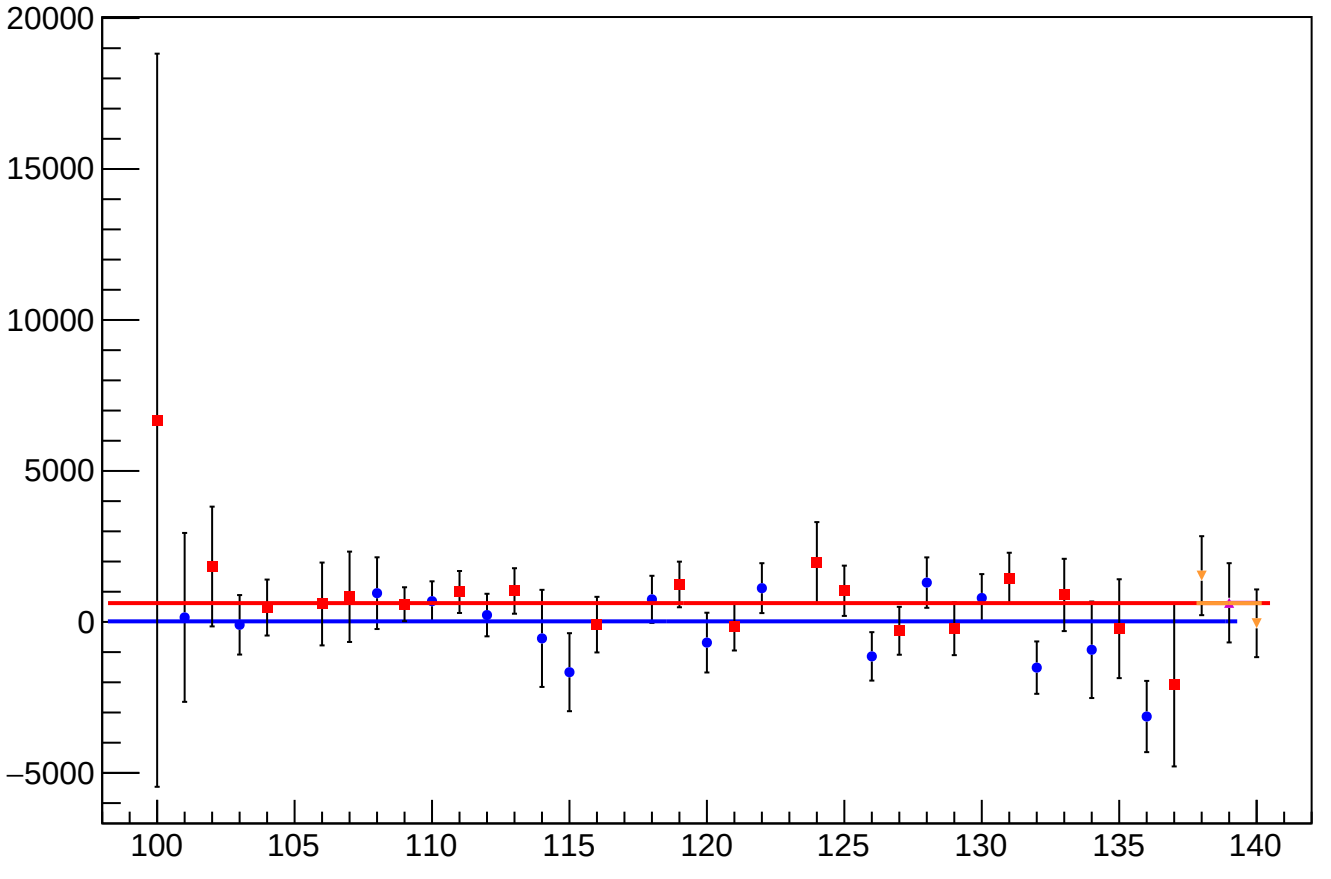
Left: 2713.473+/-1.221 χ^2/NDF: 10.8/2

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2795.274+/-0.712 χ^2/NDF:747796.5/16

Out: 2773.961+/-0.658 χ^2/NDF:149153.5/20

All: 2783.790+/-0.483 χ^2/NDF: 897433.4/37



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: 622.954+/-851.340 χ^2/NDF:0.8/1

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 633.062+/-1312.369 χ^2/NDF:0.0/0

Left: 625.948+/-714.223 χ^2/NDF: 0.8/2

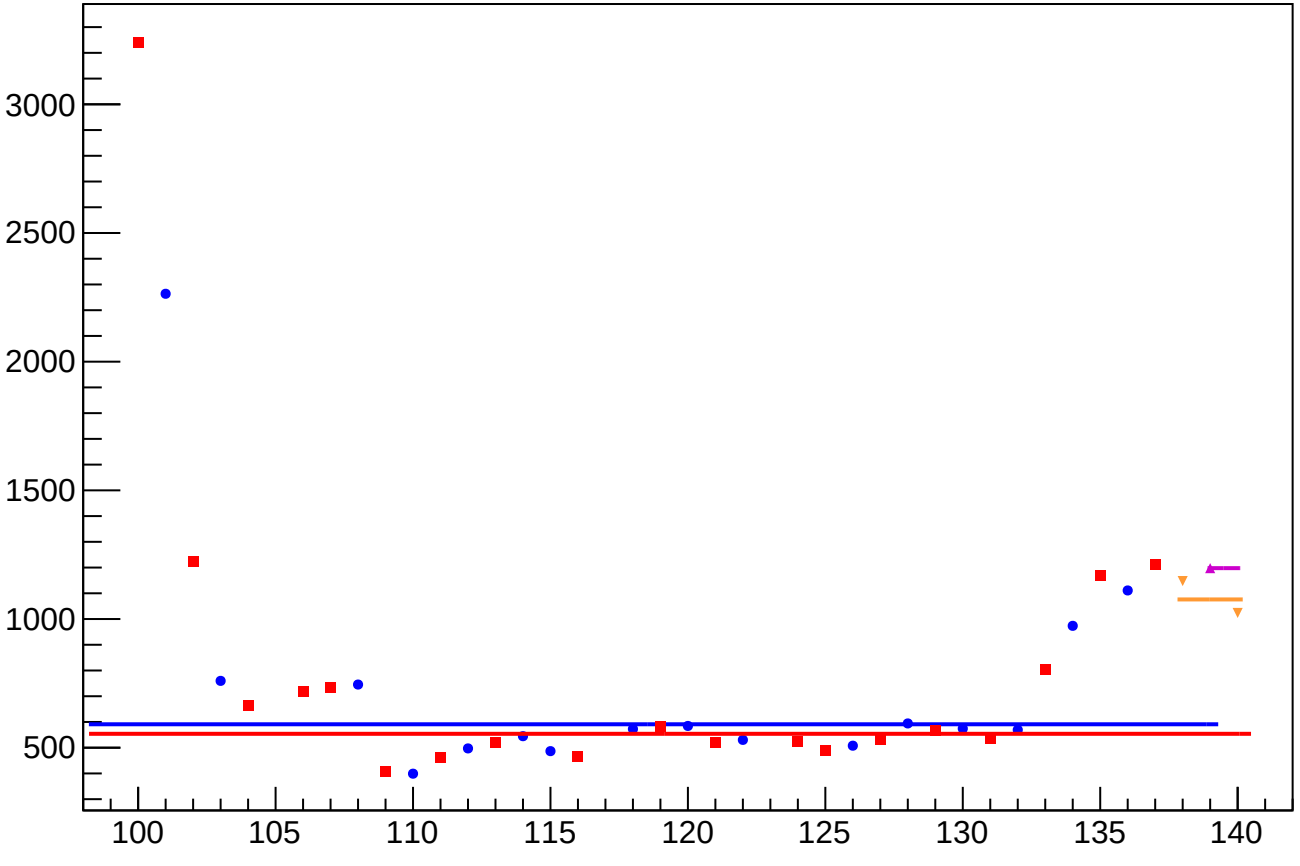
Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 37.821+/-229.873 χ^2/NDF:23.0/16

Out: 623.098+/-209.319 χ^2/NDF:10.1/20

All: 357.791+/-154.768 χ^2/NDF: 36.6/37

asym_atr1_reg_correction_rms vs Slug, Sign Corrected



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 1076.100+/-0.602 χ^2/NDF:10335.9/1

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 1197.716+/-0.928 χ^2/NDF:0.0/0

Left: 1112.120+/-0.505 χ^2/NDF: 22424.1/2

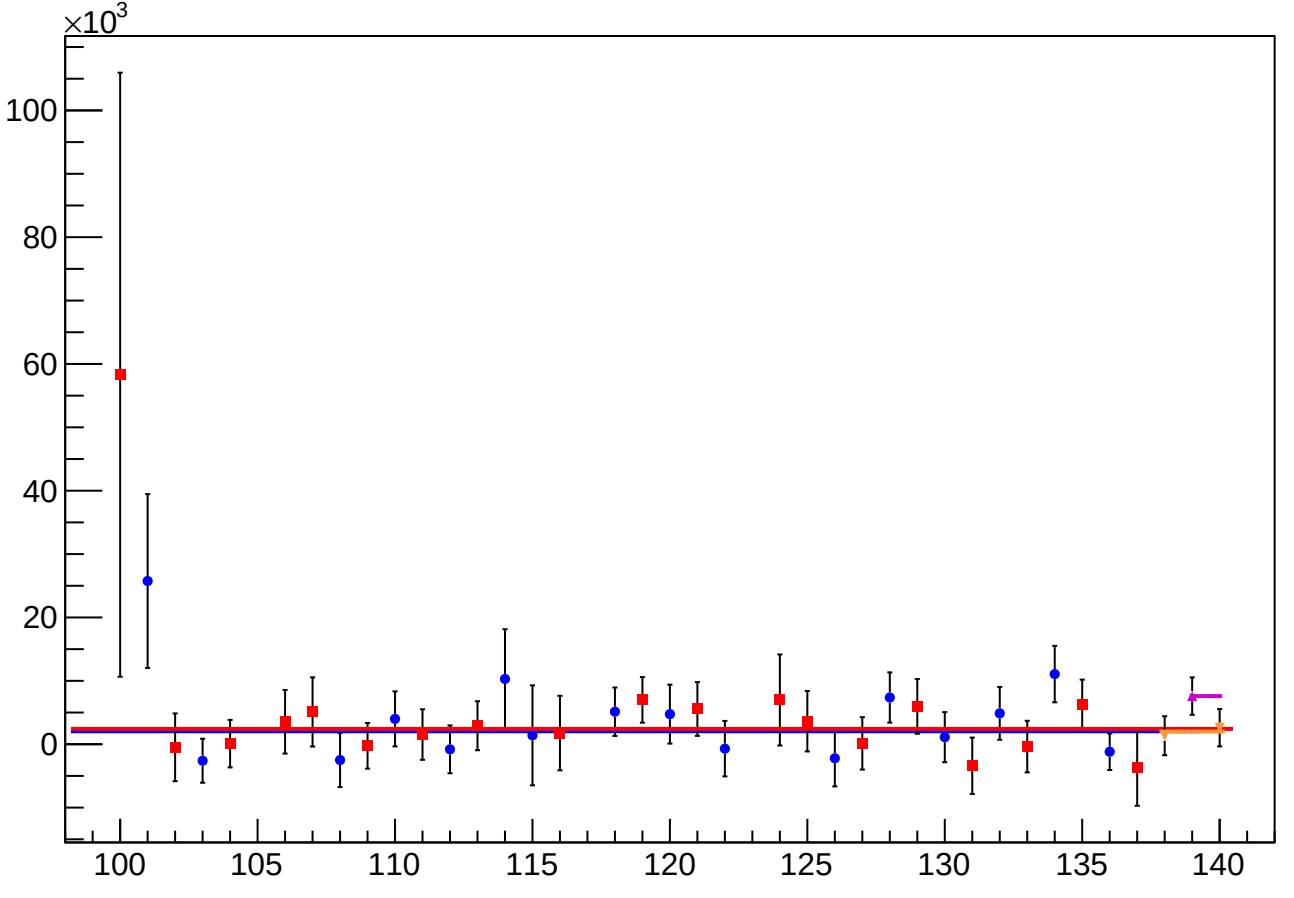
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 609.654+/-0.163 χ^2/NDF:1981946.9/16

Out: 585.545+/-0.148 χ^2/NDF:1834025.7/20

All: 596.474+/-0.109 χ^2/NDF: 3828000.0/37

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1997.724+/-2127.695 χ^2/NDF:0.1/1

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 7593.052+/-2953.844 χ^2/NDF:0.0/0

Left: 3909.133+/-1726.441 χ^2/NDF: 2.5/2

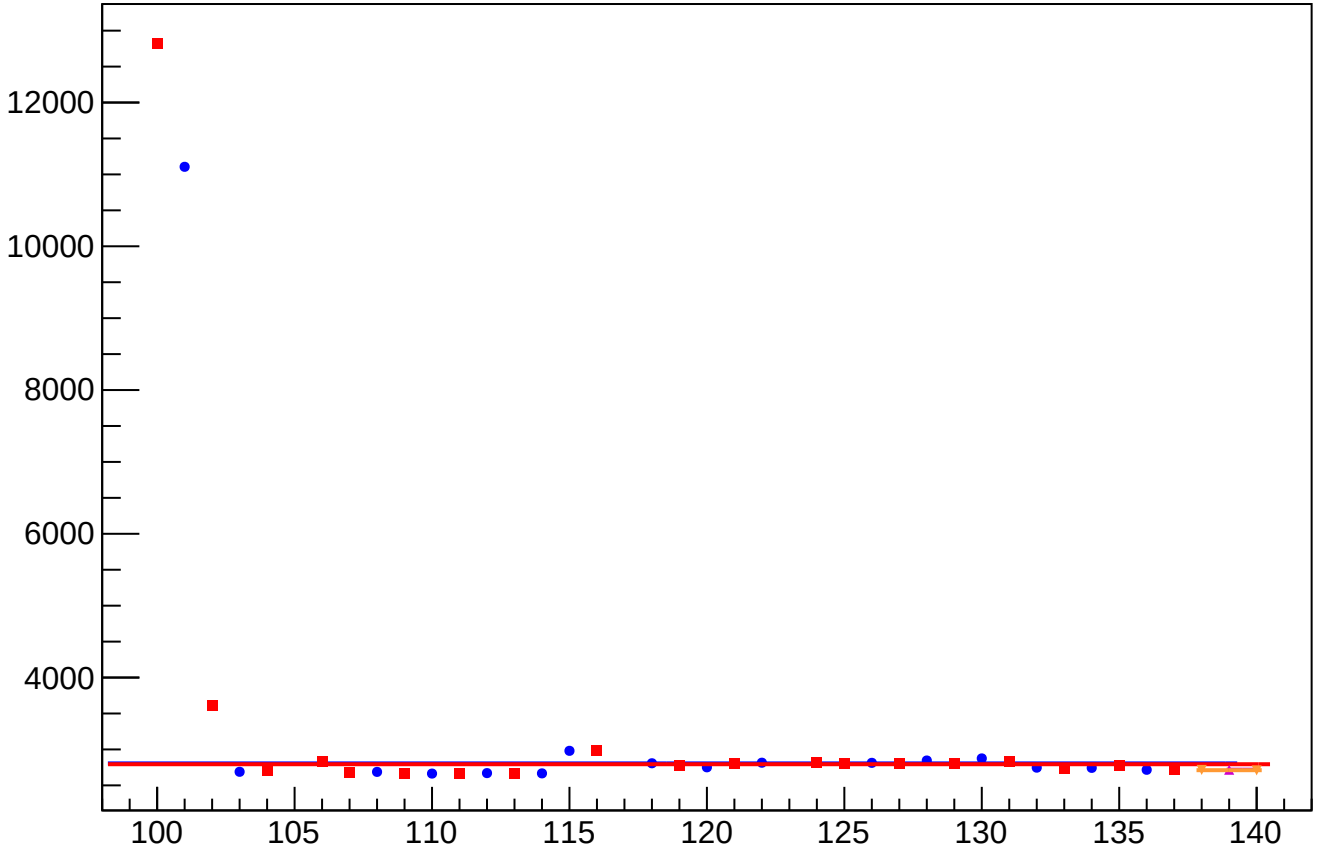
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2692.237+/-1006.358 χ^2/NDF:20.9/16

Out: 2337.149+/-932.800 χ^2/NDF:10.9/20

All: 2501.242+/-684.117 χ^2/NDF: 31.9/37

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2711.220+/-1.505 χ^2/NDF:4.2/1

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2717.815+/-2.089 χ^2/NDF:0.0/0

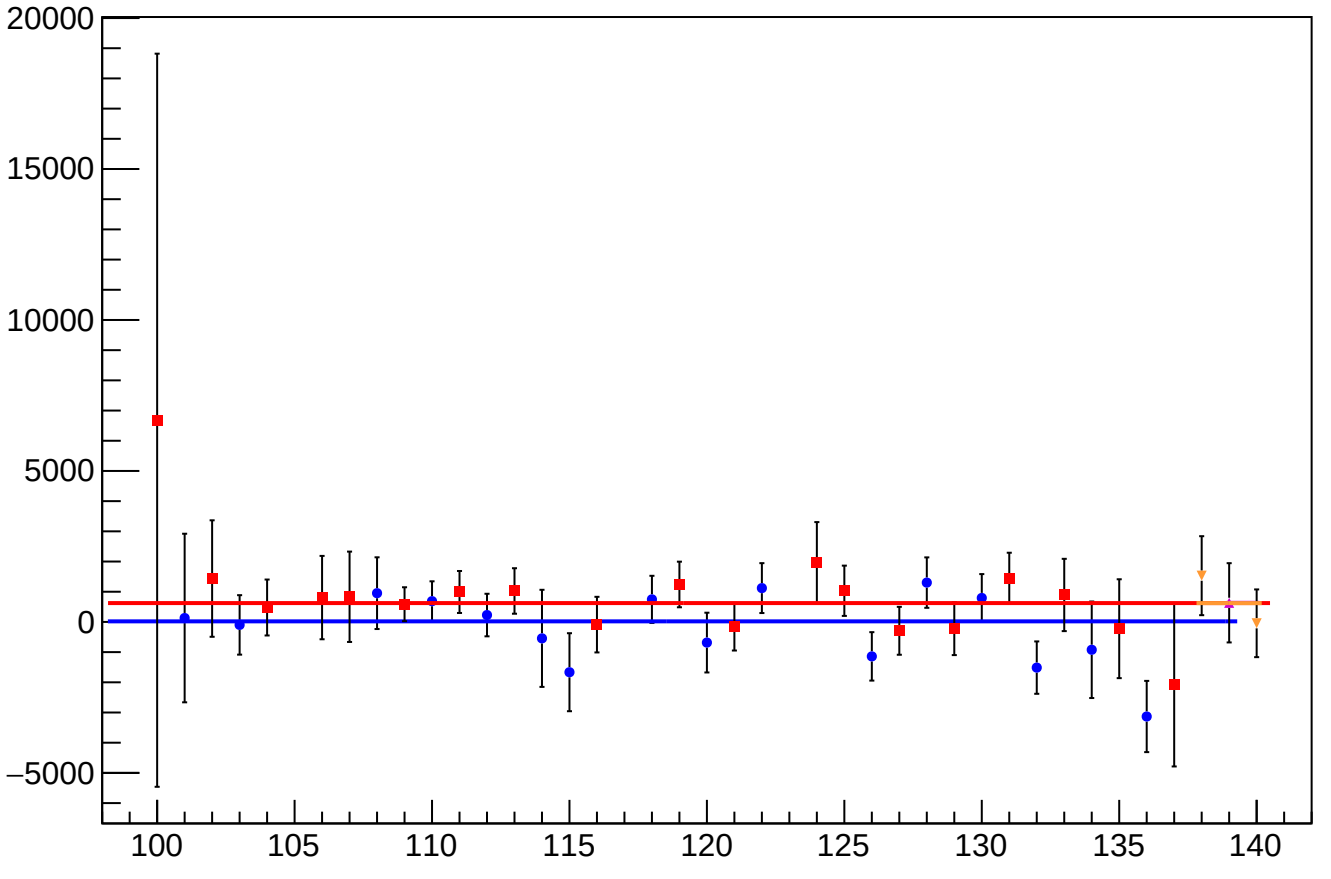
Left: 2713.473+/-1.221 χ^2/NDF: 10.8/2

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2795.274+/-0.712 χ^2/NDF:747795.6/16

Out: 2778.216+/-0.660 χ^2/NDF:149203.3/20

All: 2786.099+/-0.484 χ^2/NDF: 897308.0/37



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 622.862+/-851.341 χ^2/NDF:0.8/1

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 633.162+/-1312.381 χ^2/NDF:0.0/0

Left: 625.912+/-714.225 χ^2/NDF: 0.8/2

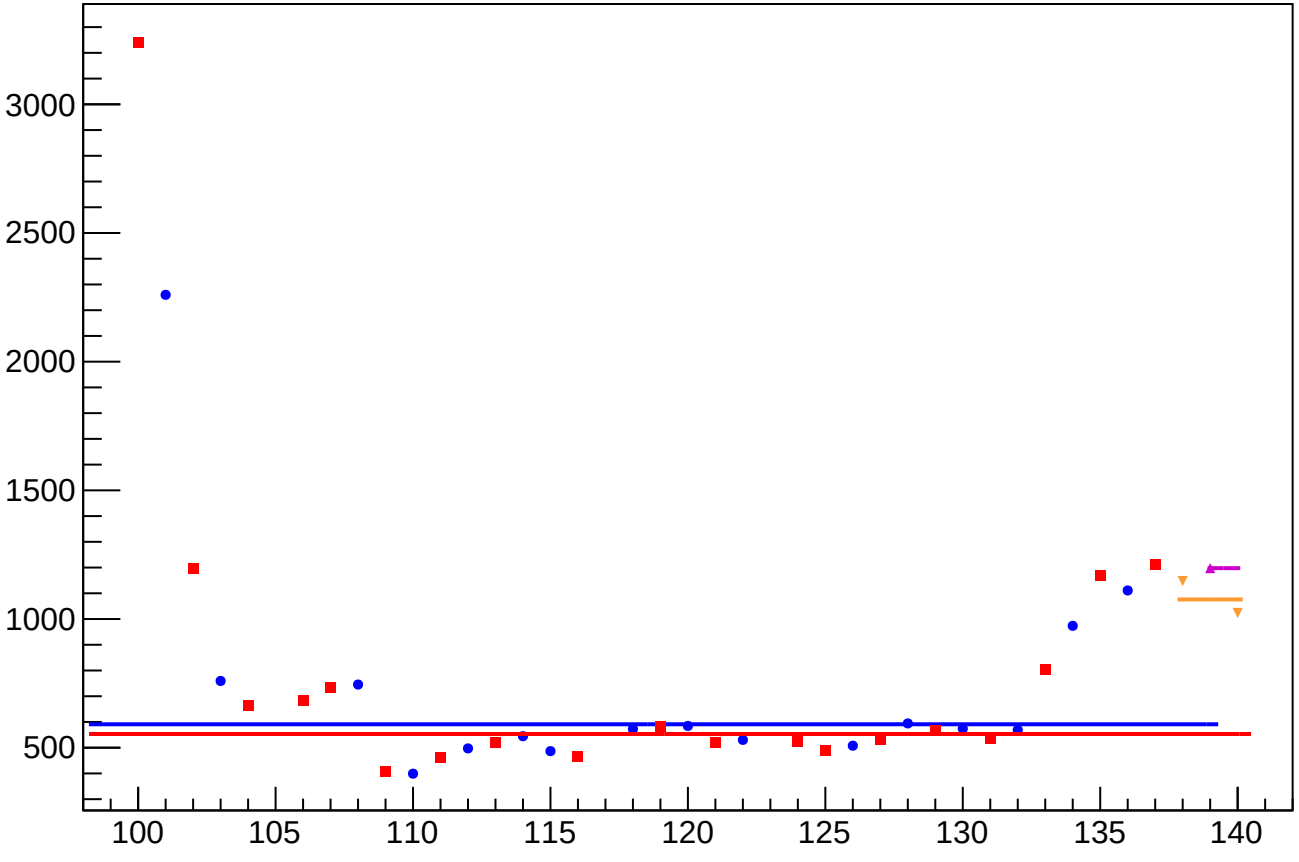
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 37.783+/-229.862 χ^2/NDF:23.0/16

Out: 624.135+/-209.277 χ^2/NDF:9.9/20

All: 358.385+/-154.748 χ^2/NDF: 36.5/37

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1076.098+/-0.602 χ^2/NDF:10335.4/1

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 1197.725+/-0.928 χ^2/NDF:0.0/0

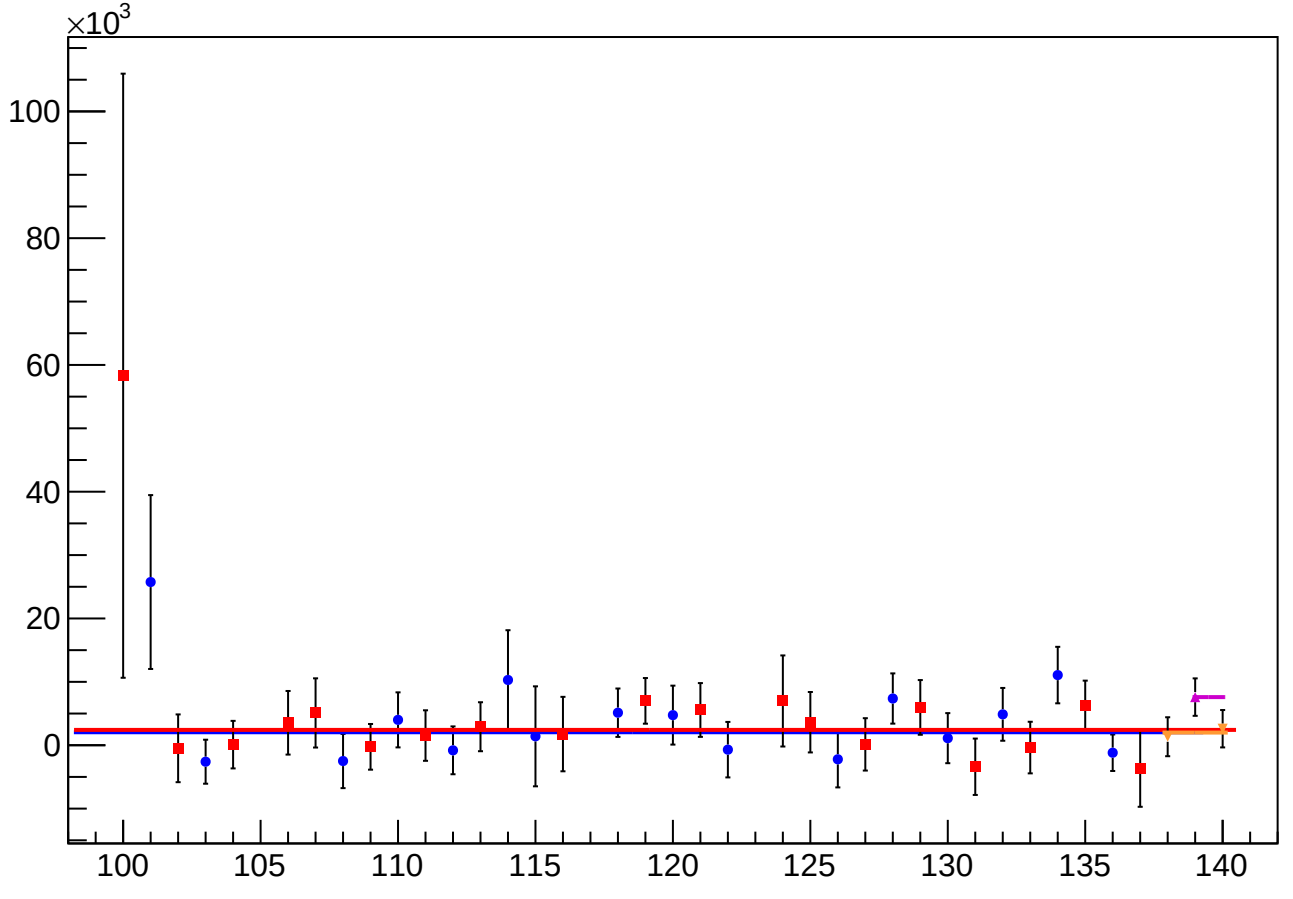
Left: 1112.121+/-0.505 χ^2/NDF: 22425.6/2

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 609.651+/-0.163 χ^2/NDF:1980926.8/16

Out: 584.828+/-0.148 χ^2/NDF:1820802.2/20

All: 596.079+/-0.109 χ^2/NDF: 3814481.4/37



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1997.724+/-2127.695 χ^2/NDF:0.1/1

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 7593.052+/-2953.844 χ^2/NDF:0.0/0

Left: 3909.133+/-1726.441 χ^2/NDF: 2.5/2

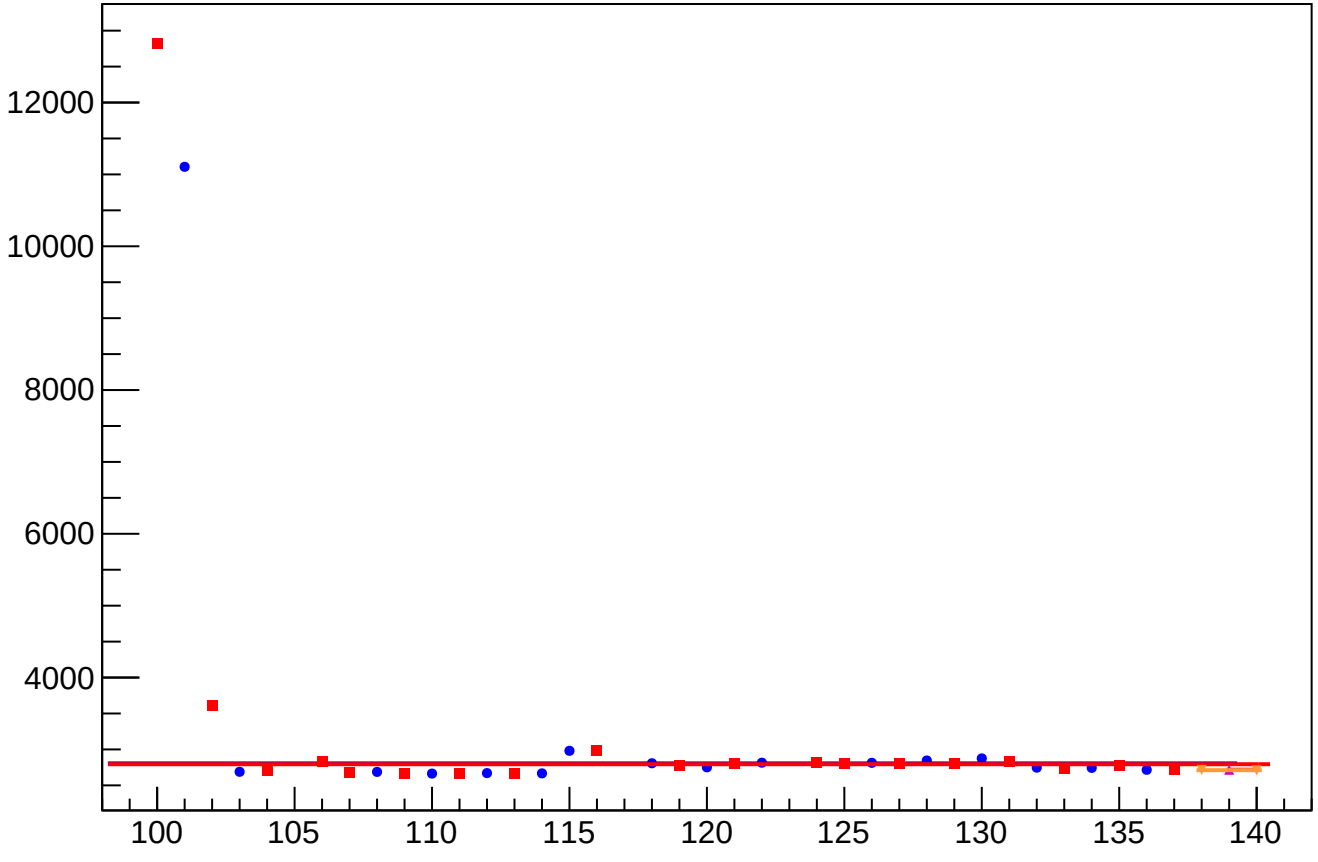
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2692.237+/-1006.358 χ^2/NDF:20.9/16

Out: 2337.149+/-932.800 χ^2/NDF:10.9/20

All: 2501.242+/-684.117 χ^2/NDF: 31.9/37

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2711.220+/-1.505 χ^2/NDF:4.2/1

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2717.815+/-2.089 χ^2/NDF:0.0/0

Left: 2713.473+/-1.221 χ^2/NDF: 10.8/2

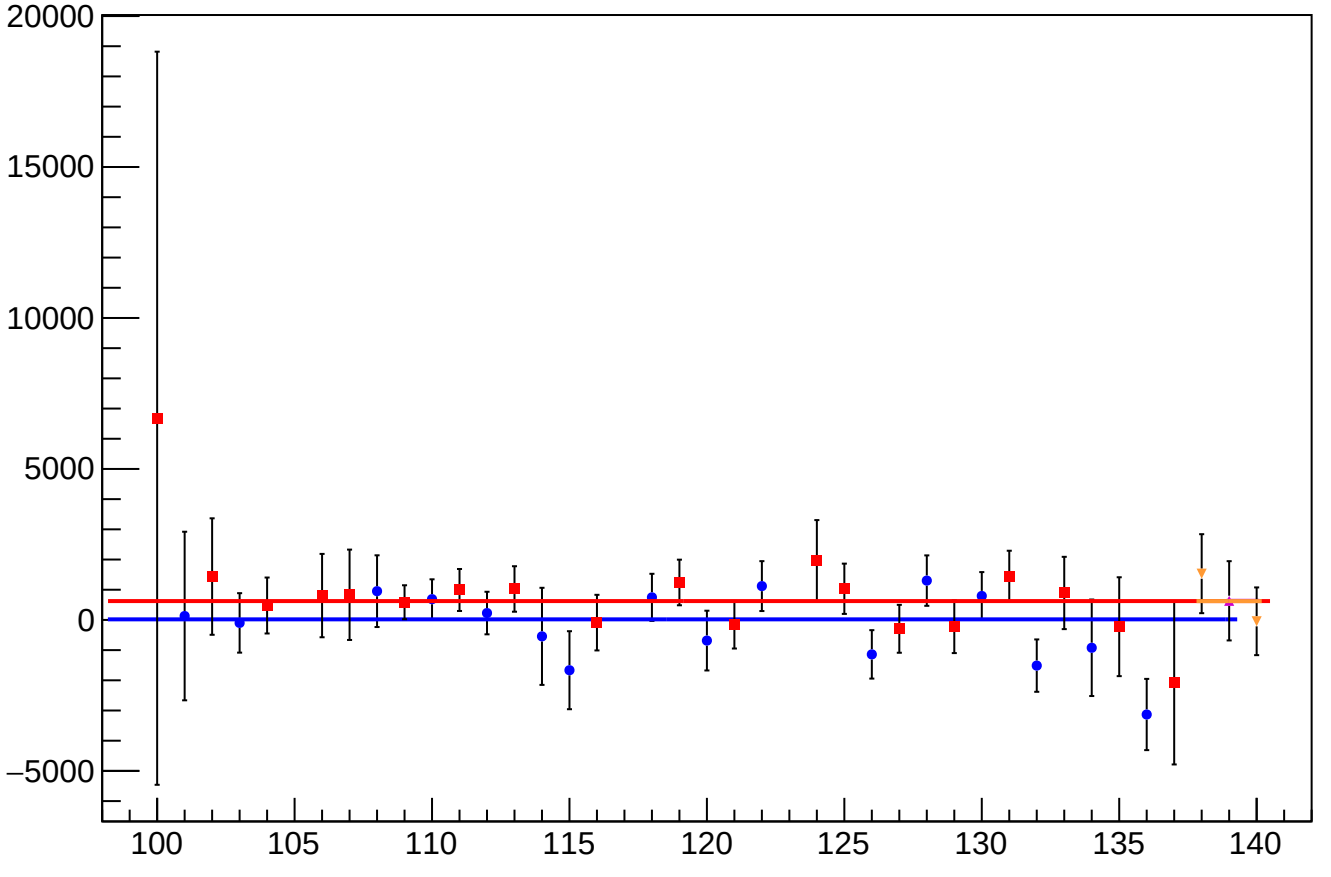
Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2795.274+/-0.712 χ^2/NDF:747795.6/16

Out: 2778.216+/-0.660 χ^2/NDF:149203.3/20

All: 2786.099+/-0.484 χ^2/NDF: 897308.0/37

asym_atr1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 622.862+/-851.341 χ^2/NDF:0.8/1

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 633.162+/-1312.381 χ^2/NDF:0.0/0

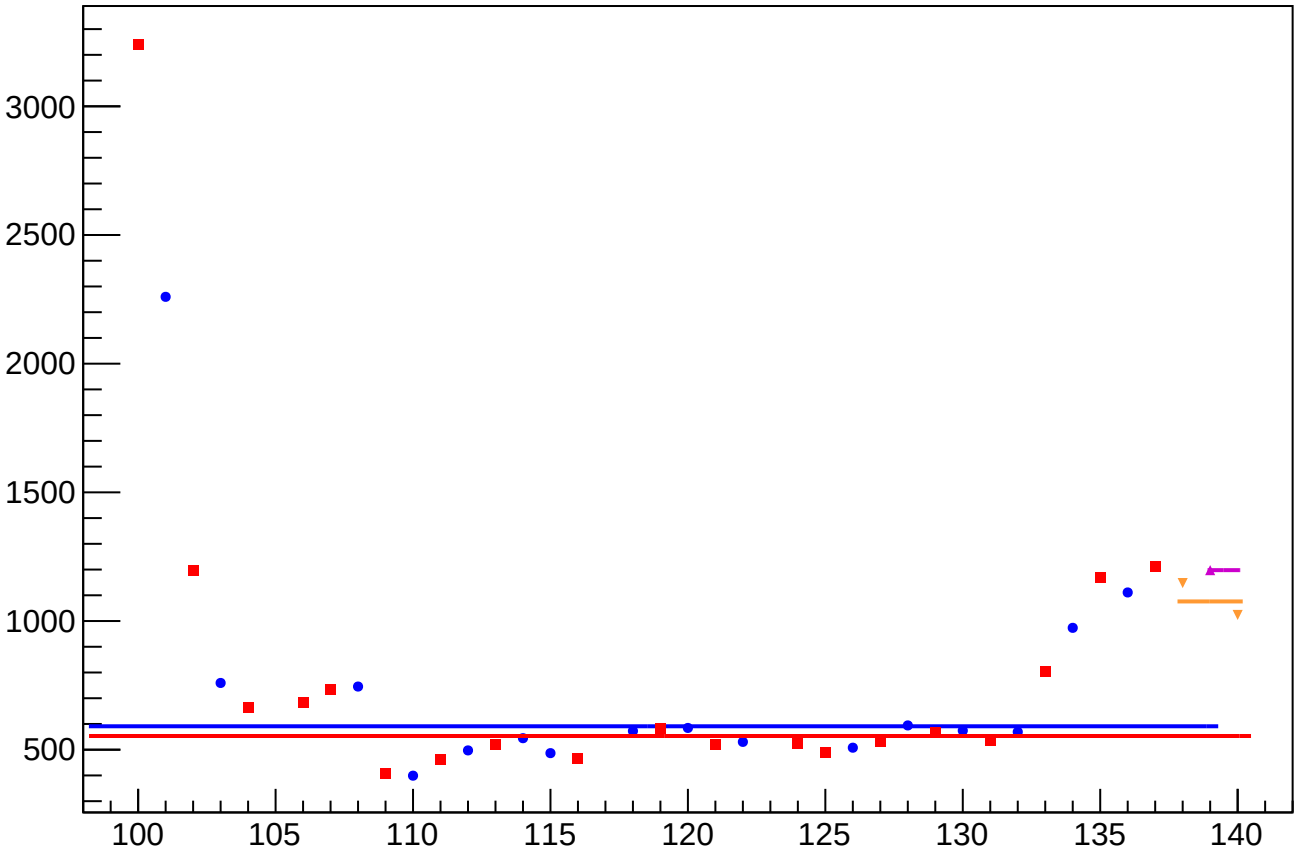
Left: 625.912+/-714.225 χ^2/NDF: 0.8/2

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 37.783+/-229.862 χ^2/NDF:23.0/16

Out: 624.135+/-209.277 χ^2/NDF:9.9/20

All: 358.385+/-154.748 χ^2/NDF: 36.5/37



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1076.098+/-0.602 χ^2/NDF:10335.4/1

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 1197.725+/-0.928 χ^2/NDF:0.0/0

Left: 1112.121+/-0.505 χ^2/NDF: 22425.6/2

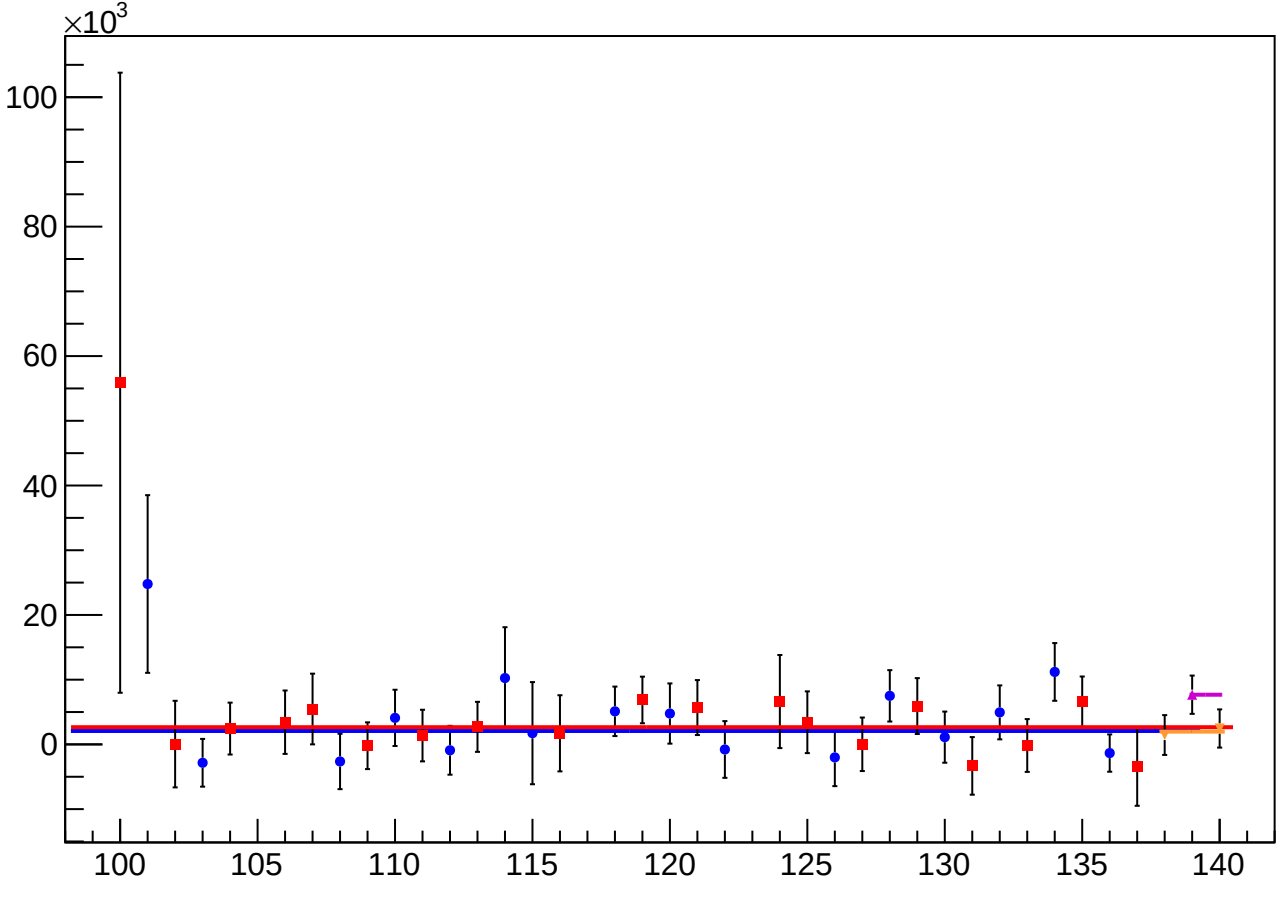
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 609.651+/-0.163 χ^2/NDF:1980926.8/16

Out: 584.828+/-0.148 χ^2/NDF:1820802.2/20

All: 596.079+/-0.109 χ^2/NDF: 3814481.4/37

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1973.455+/-2129.893 χ^2/NDF:0.1/1

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 7675.780+/-2958.052 χ^2/NDF:0.0/0

Left: 3920.412+/-1728.455 χ^2/NDF: 2.5/2

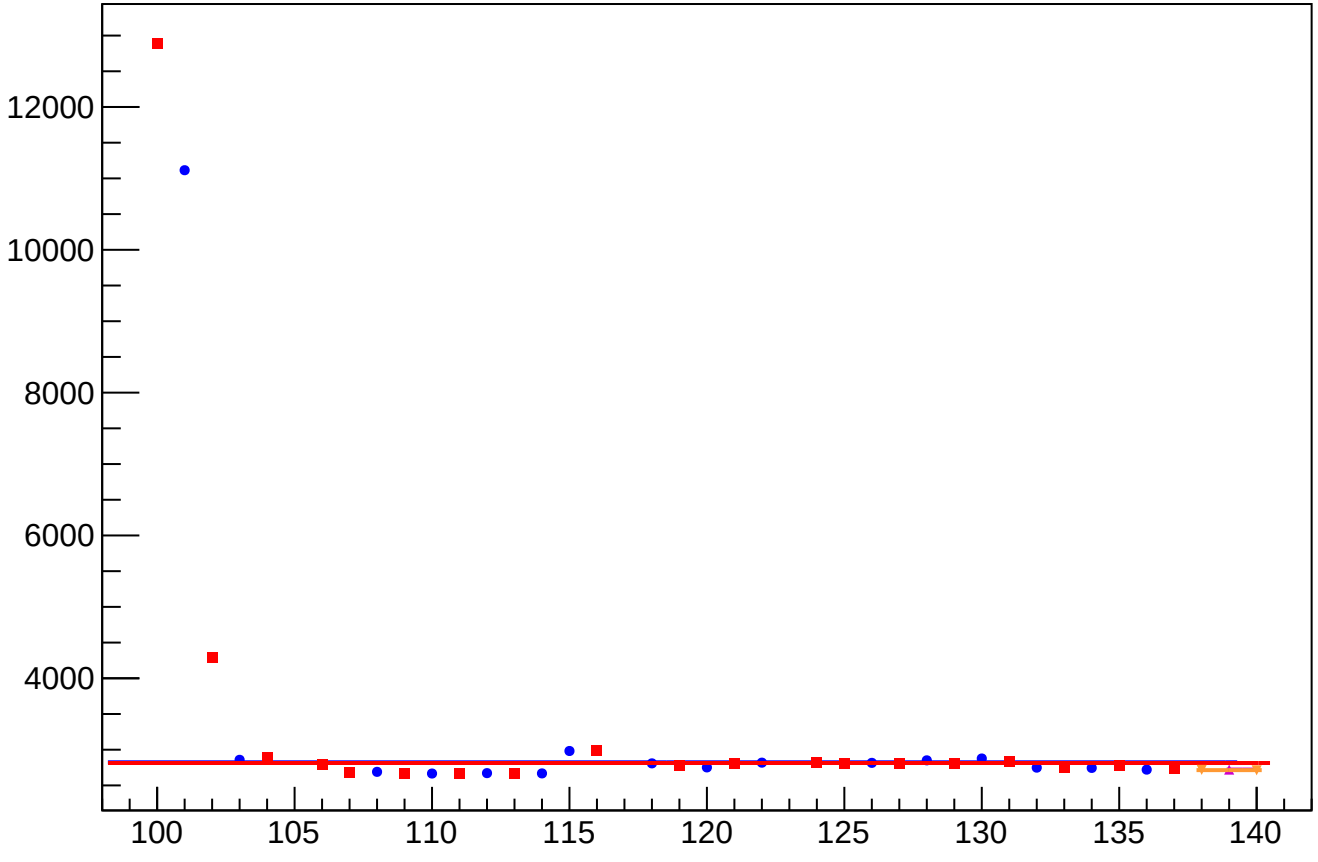
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2730.540+/-1012.161 χ^2/NDF:21.0/16

Out: 2523.626+/-941.682 χ^2/NDF:10.1/20

All: 2619.629+/-689.441 χ^2/NDF: 31.1/37

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2714.010+/-1.506 χ^2/NDF:4.1/1

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2721.584+/-2.092 χ^2/NDF:0.0/0

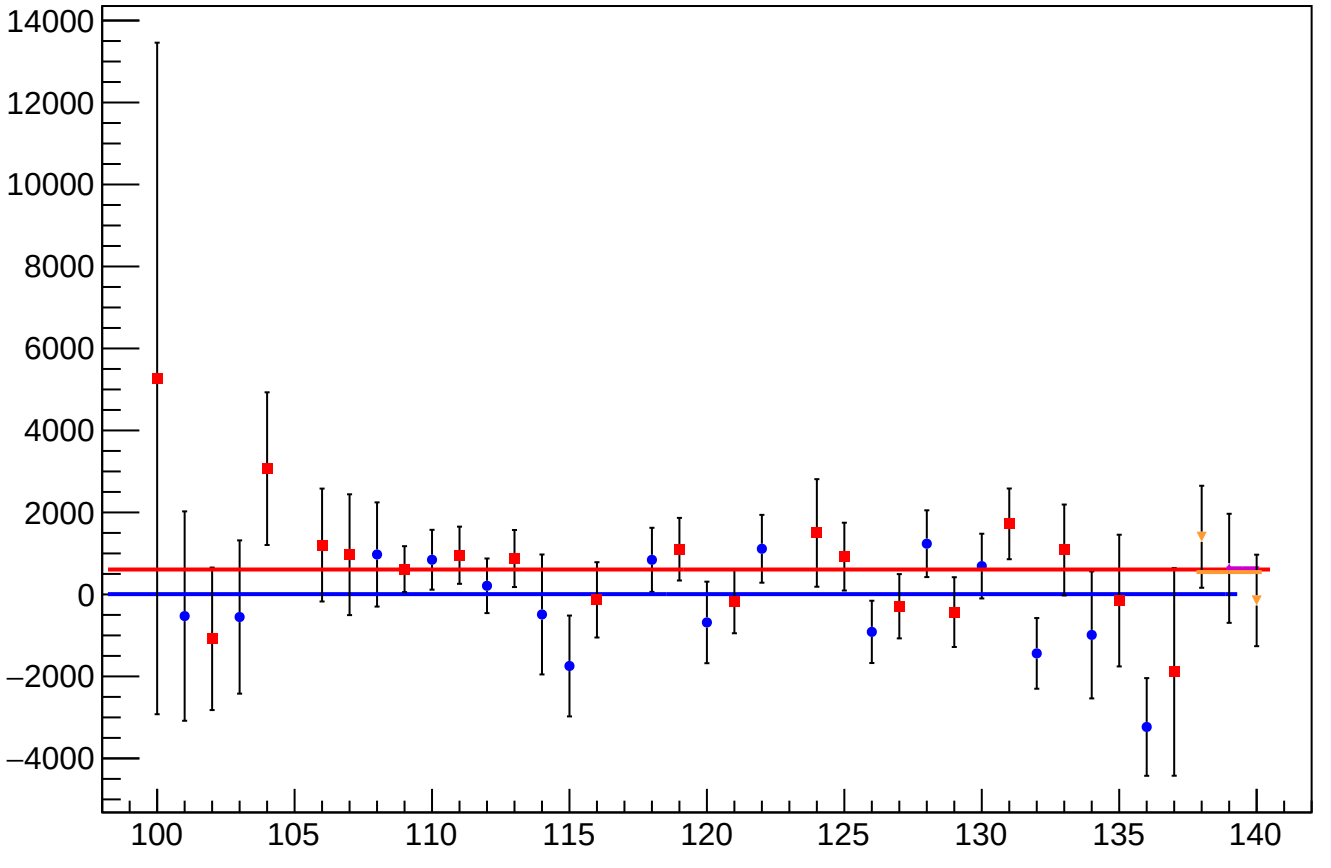
Left: 2716.596+/-1.222 χ^2/NDF: 12.7/2

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2811.522+/-0.716 χ^2/NDF:746010.1/16

Out: 2794.311+/-0.666 χ^2/NDF:204049.6/20

All: 2802.296+/-0.488 χ^2/NDF: 950369.7/37



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: 545.747+/-830.796 χ^2/NDF:0.9/1

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 637.147+/-1330.077 χ^2/NDF:0.0/0

Left: 571.399+/-704.633 χ^2/NDF: 0.9/2

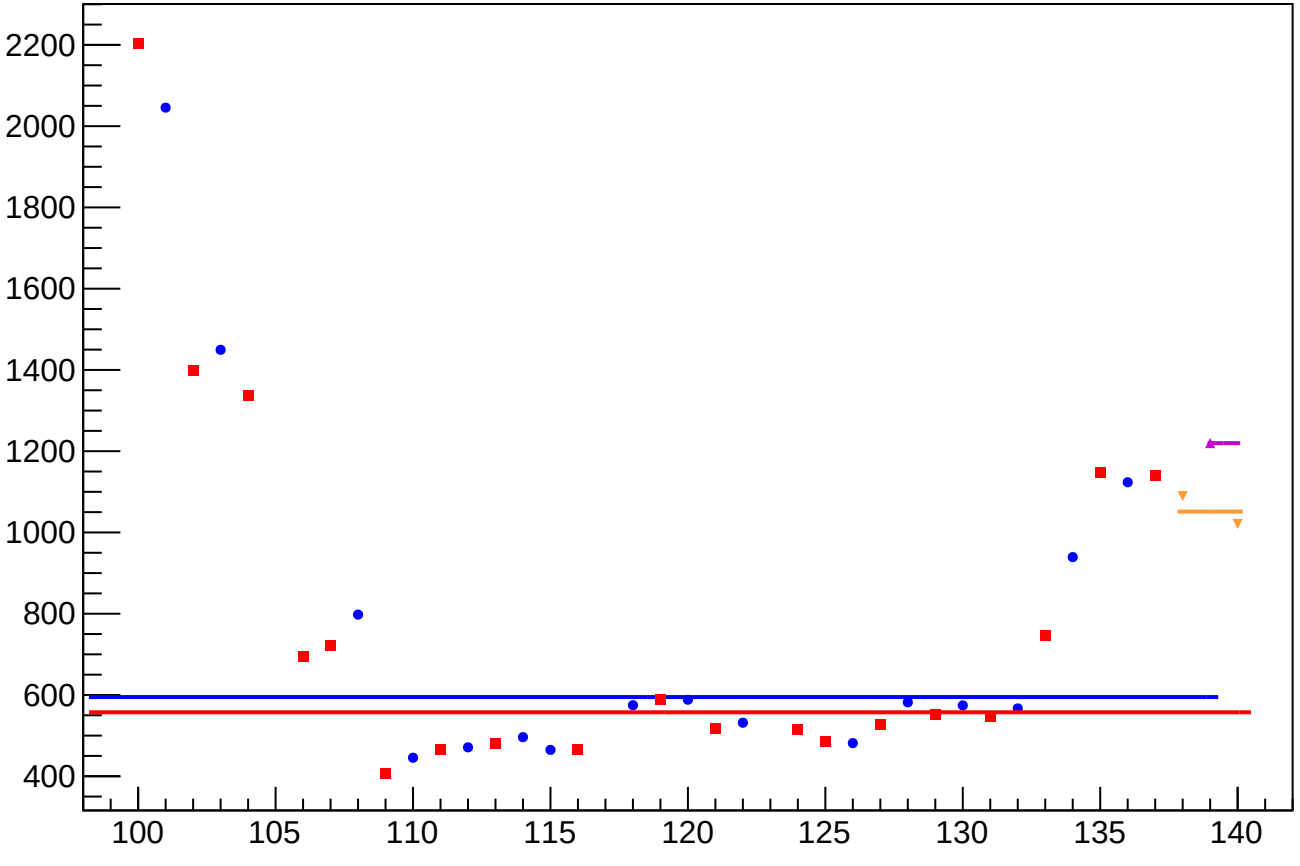
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 26.510+/-233.759 χ^2/NDF:23.0/16

Out: 603.690+/-210.041 χ^2/NDF:13.0/20

All: 345.859+/-156.236 χ^2/NDF: 39.4/37

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 1051.314+/-0.587 χ^2/NDF:3356.1/1

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 1219.905+/-0.941 χ^2/NDF:0.0/0

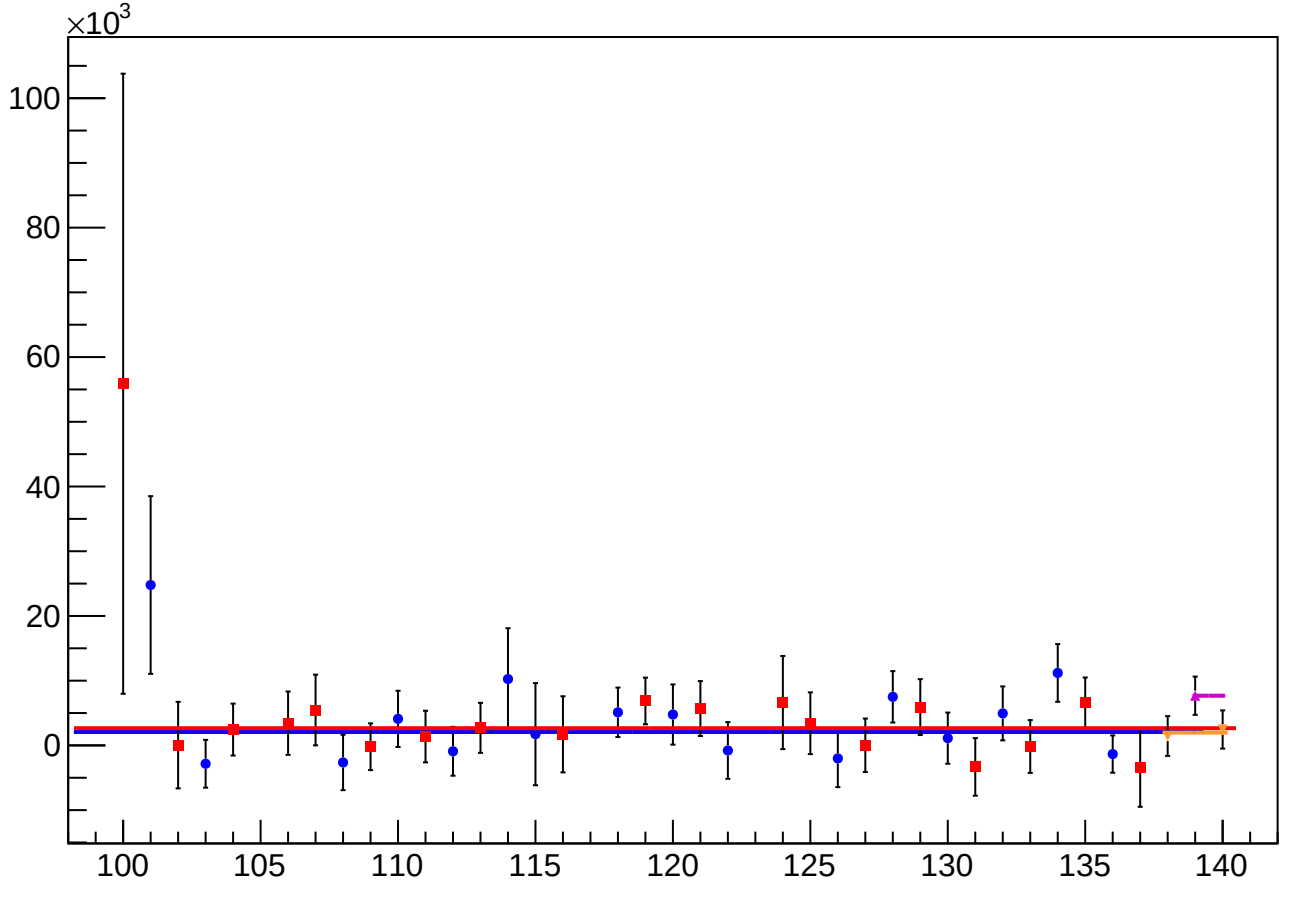
Left: 1098.630+/-0.498 χ^2/NDF: 26470.6/2

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 614.164+/-0.165 χ^2/NDF:2280688.4/16

Out: 588.967+/-0.149 χ^2/NDF:2296369.6/20

All: 600.223+/-0.110 χ^2/NDF: 4589915.1/37



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1973.456+/-2129.893 χ^2/NDF:0.1/1

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 7675.777+/-2958.052 χ^2/NDF:0.0/0

Left: 3920.412+/-1728.455 χ^2/NDF: 2.5/2

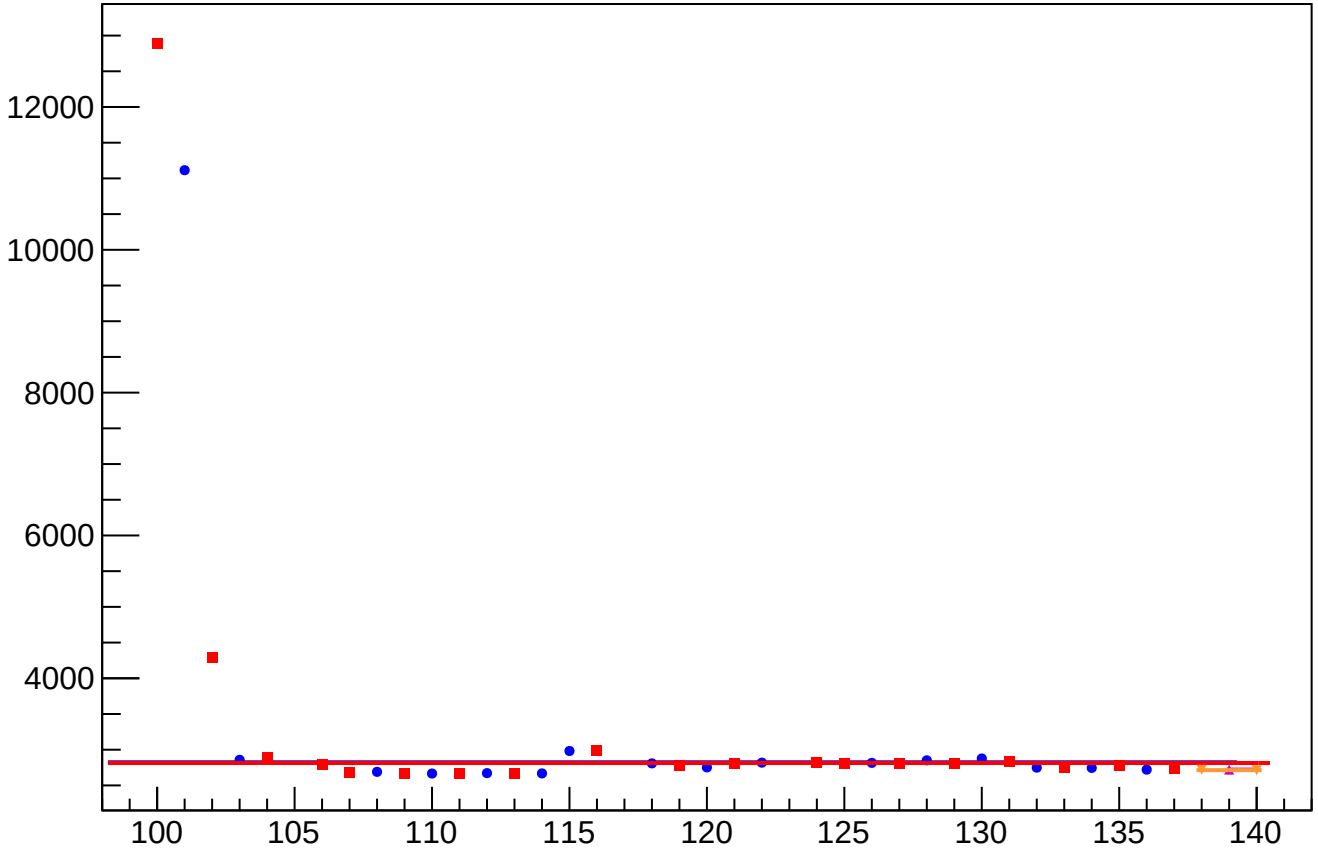
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2730.539+/-1012.161 χ^2/NDF:21.0/16

Out: 2523.625+/-941.682 χ^2/NDF:10.1/20

All: 2619.628+/-689.440 χ^2/NDF: 31.1/37

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2714.010+/-1.506 χ^2/NDF:4.1/1

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2721.584+/-2.092 χ^2/NDF:0.0/0

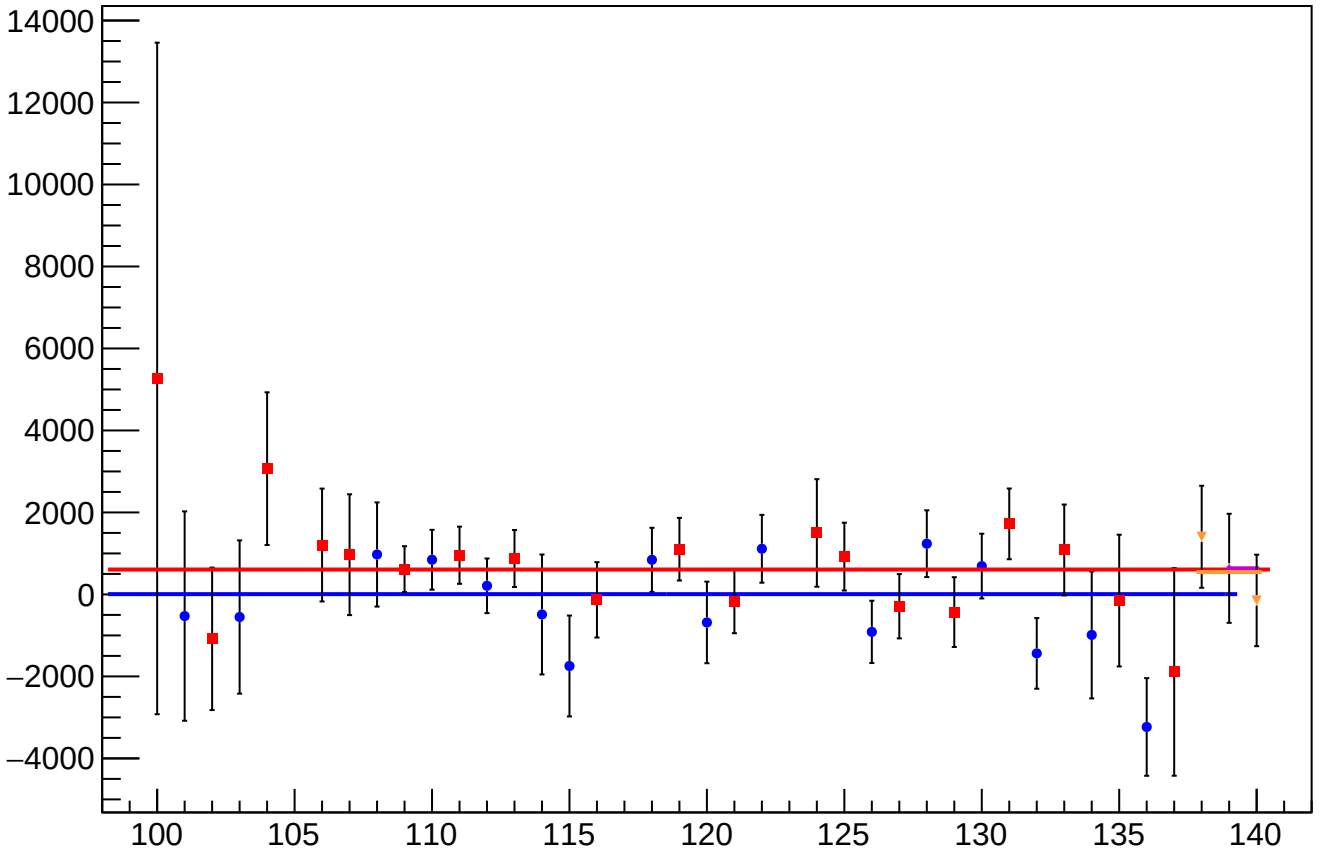
Left: 2716.596+/-1.222 χ^2/NDF: 12.7/2

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2811.522+/-0.716 χ^2/NDF:746010.1/16

Out: 2794.310+/-0.666 χ^2/NDF:204049.4/20

All: 2802.296+/-0.488 χ^2/NDF: 950369.4/37



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: 545.750+/-830.796 χ^2/NDF:0.9/1

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 637.144+/-1330.076 χ^2/NDF:0.0/0

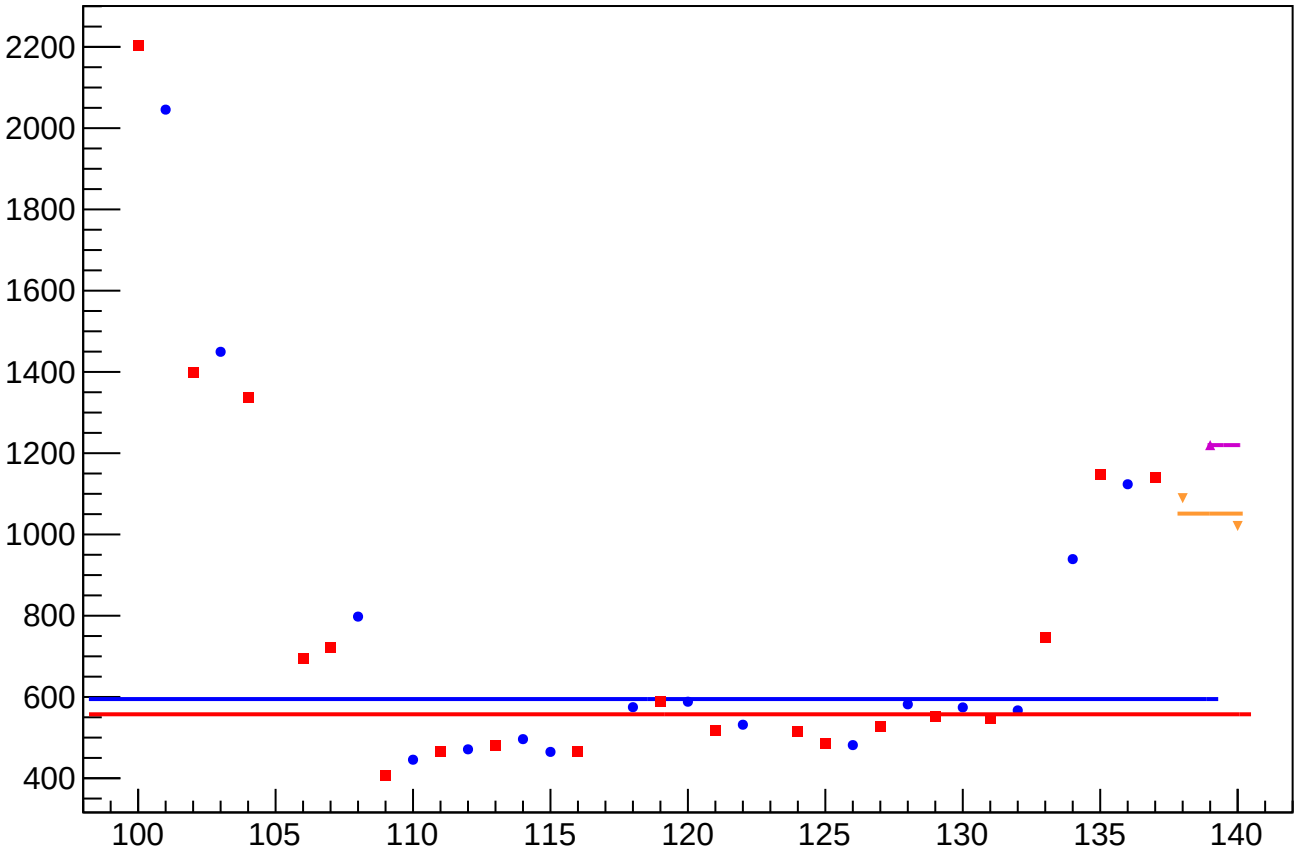
Left: 571.400+/-704.633 χ^2/NDF: 0.9/2

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 26.511+/-233.759 χ^2/NDF:23.0/16

Out: 603.691+/-210.041 χ^2/NDF:13.0/20

All: 345.859+/-156.236 χ^2/NDF: 39.4/37



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 1051.314+/-0.587 χ^2/NDF:3356.0/1

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 1219.905+/-0.941 χ^2/NDF:0.0/0

Left: 1098.630+/-0.498 χ^2/NDF: 26470.3/2

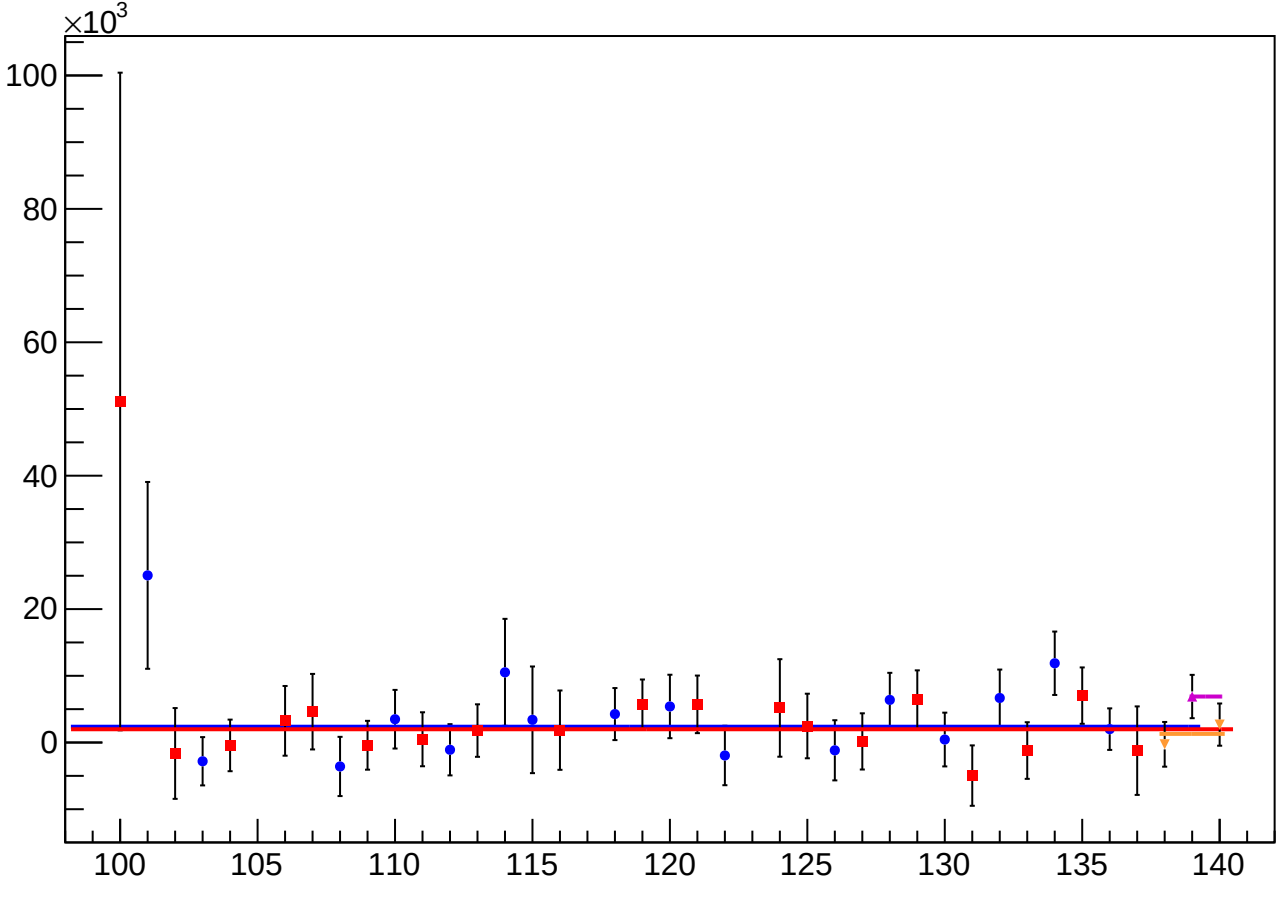
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 614.164+/-0.165 χ^2/NDF:2280681.7/16

Out: 588.967+/-0.149 χ^2/NDF:2296366.0/20

All: 600.223+/-0.110 χ^2/NDF: 4589905.1/37

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 1292.032+/-2300.936 χ^2/NDF:0.4/1

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 6893.497+/-3248.474 χ^2/NDF:0.0/0

Left: 3163.432+/-1877.638 χ^2/NDF: 2.4/2

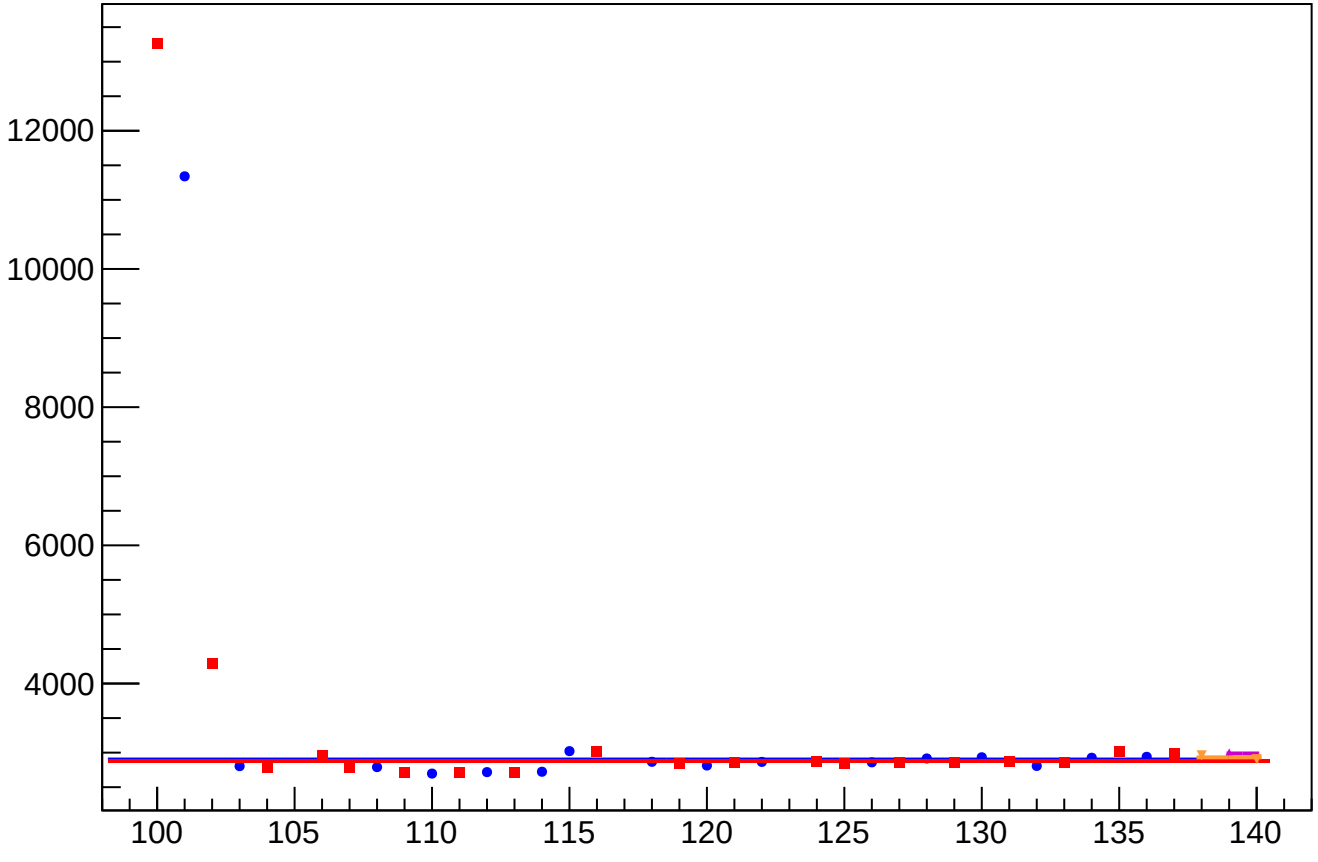
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2837.508+/-1047.153 χ^2/NDF:18.6/16

Out: 1862.457+/-974.178 χ^2/NDF:10.8/20

All: 2314.826+/-713.252 χ^2/NDF: 29.8/37

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2931.285+/-1.627 χ^2/NDF:287.2/1

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2987.514+/-2.297 χ^2/NDF:0.0/0

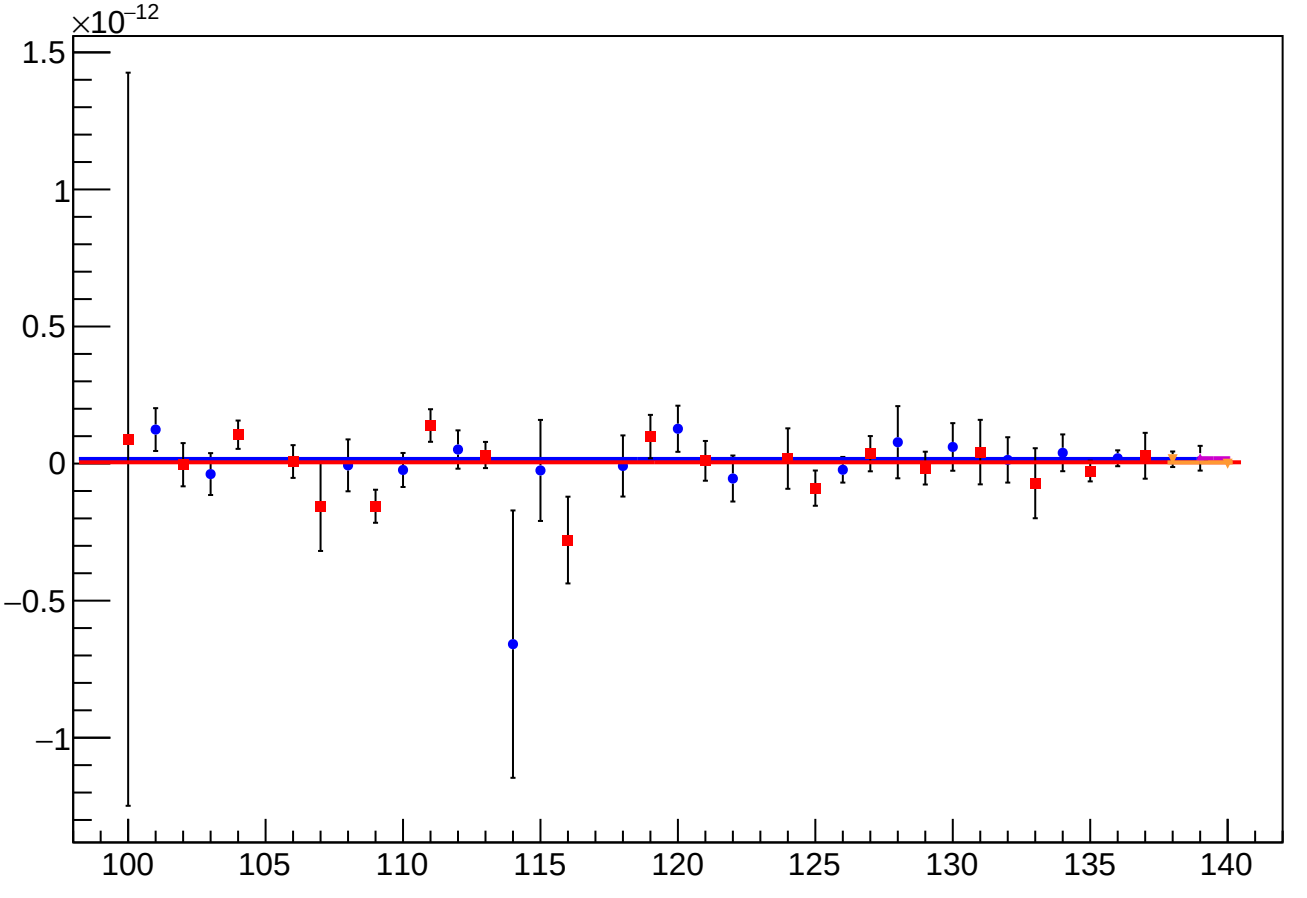
Left: 2950.071+/-1.328 χ^2/NDF: 686.2/2

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2908.939+/-0.740 χ^2/NDF:743124.0/16

Out: 2888.337+/-0.689 χ^2/NDF:194418.6/20

All: 2897.895+/-0.504 χ^2/NDF: 937957.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

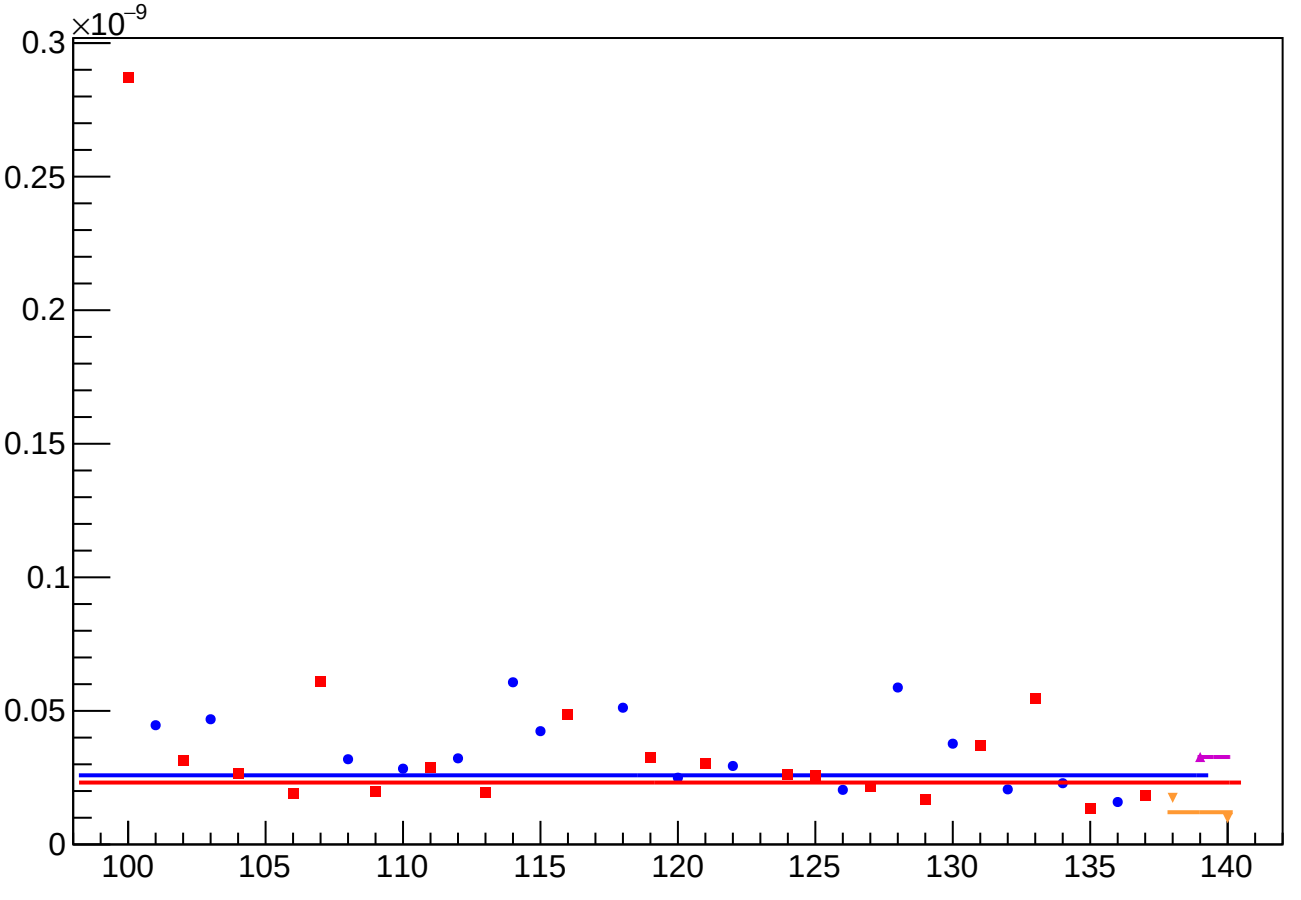
Left: 0.000+/-0.000 χ^2/NDF: 0.3/2

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:8.9/16

Out: 0.000+/-0.000 χ^2/NDF:26.0/20

All: 0.000+/-0.000 χ^2/NDF: 35.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:102003.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

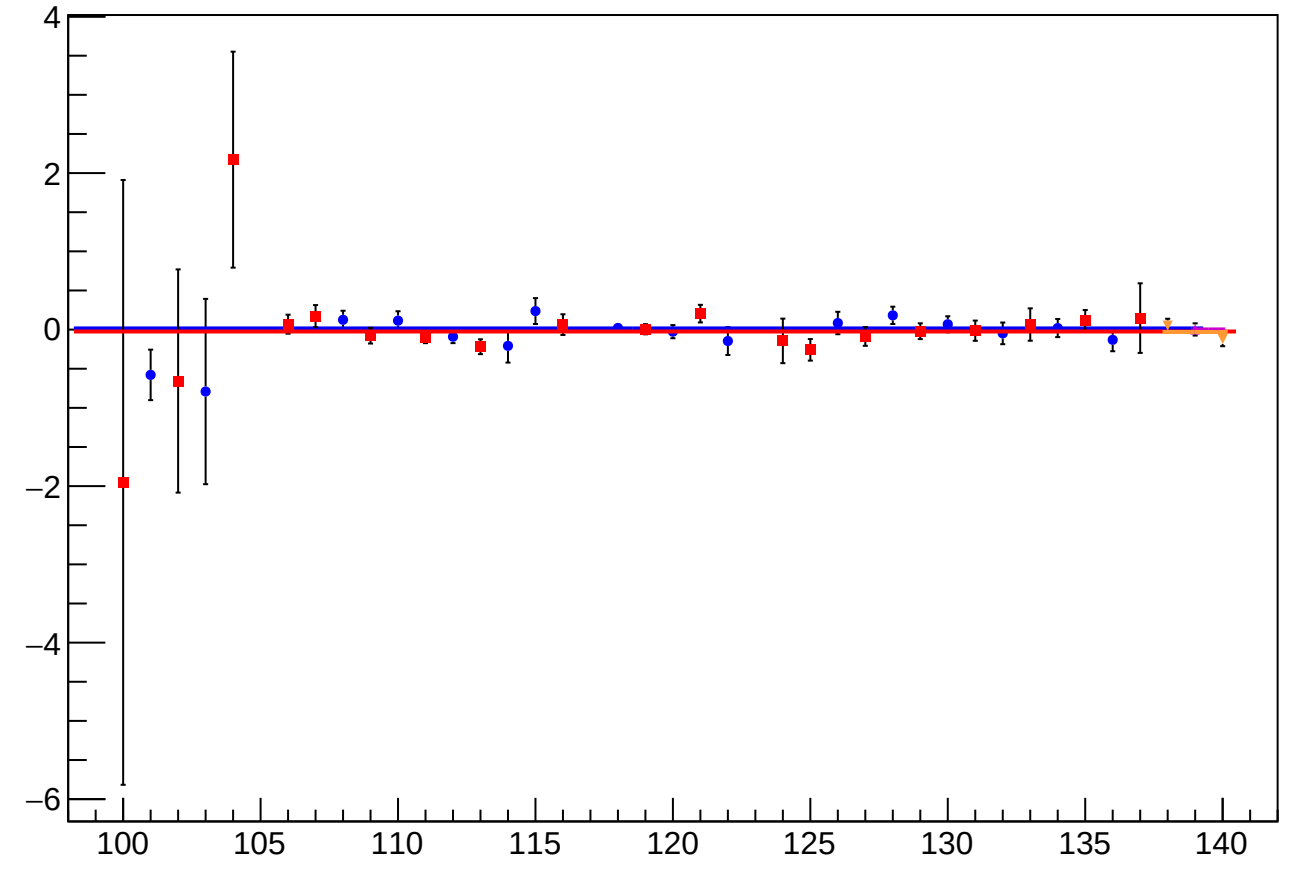
Left: 0.000+/-0.000 χ^2/NDF: 477467.8/2

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:905925.5/16

Out: 0.000+/-0.000 χ^2/NDF:1299962.4/20

All: 0.000+/-0.000 χ^2/NDF: 2661279.0/37



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.030+/-0.063 χ^2/NDF:1.8/1

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.002+/-0.078 χ^2/NDF:0.0/0

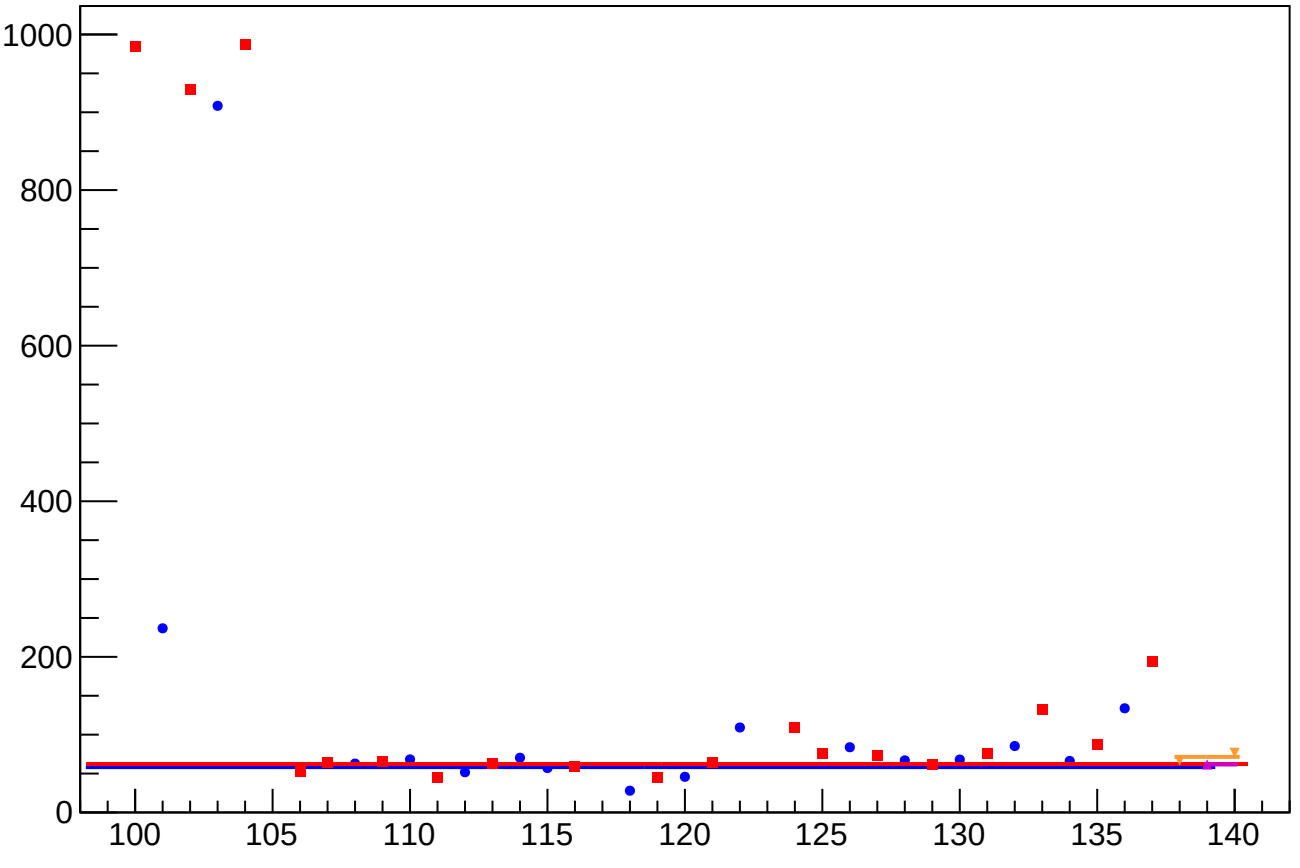
Left: -0.017+/-0.049 χ^2/NDF: 1.9/2

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.014+/-0.026 χ^2/NDF:15.1/16

Out: -0.025+/-0.026 χ^2/NDF:22.6/20

All: -0.006+/-0.018 χ^2/NDF: 38.8/37



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 71.431+/-0.045 χ^2/NDF:12444.4/1

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 61.688+/-0.055 χ^2/NDF:0.0/0

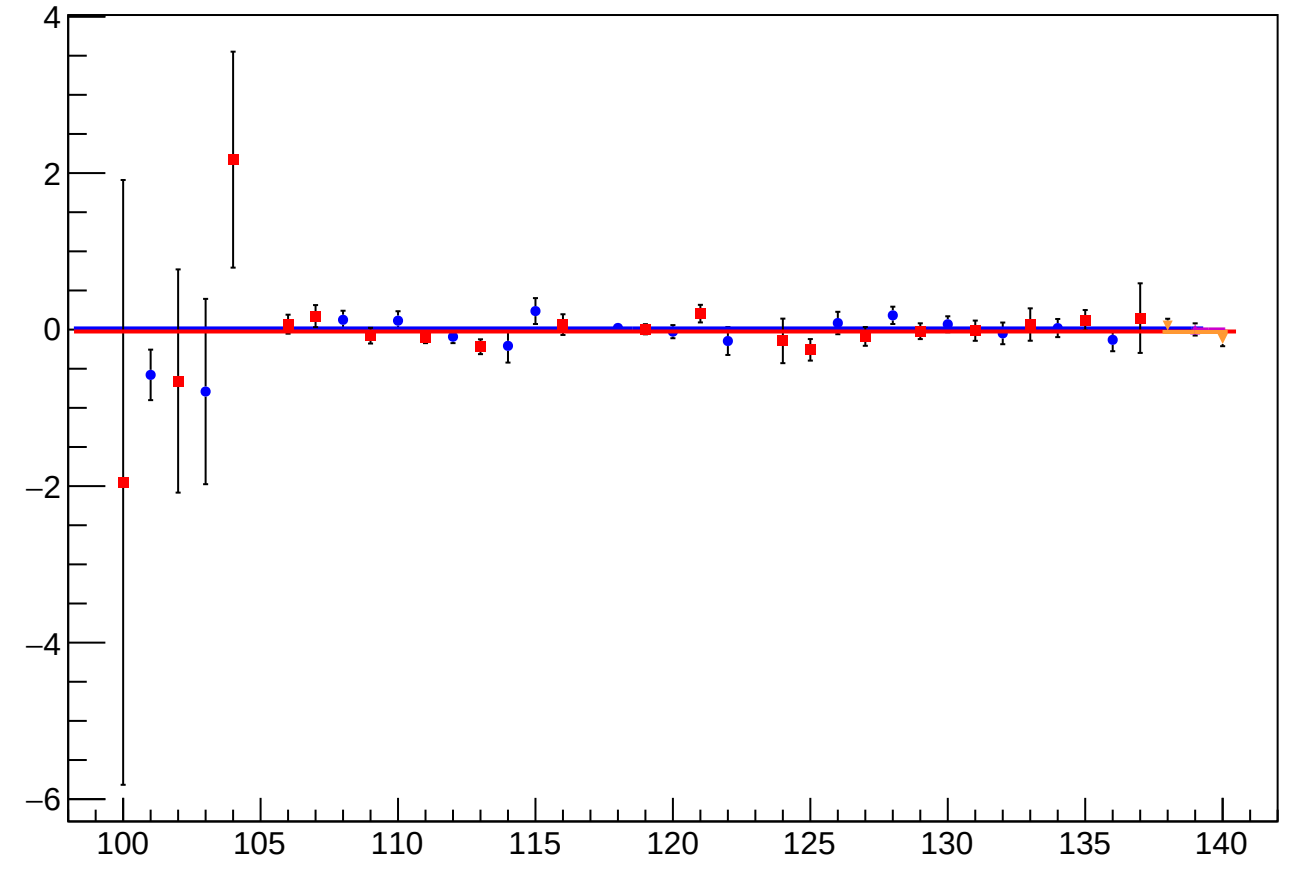
Left: 67.553+/-0.035 χ^2/NDF: 31187.5/2

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.693+/-0.019 χ^2/NDF:3263718.8/16

Out: 63.735+/-0.018 χ^2/NDF:2674580.7/20

All: 61.270+/-0.013 χ^2/NDF: 5976104.6/37



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.030+/-0.063 χ^2/NDF:1.8/1

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.002+/-0.078 χ^2/NDF:0.0/0

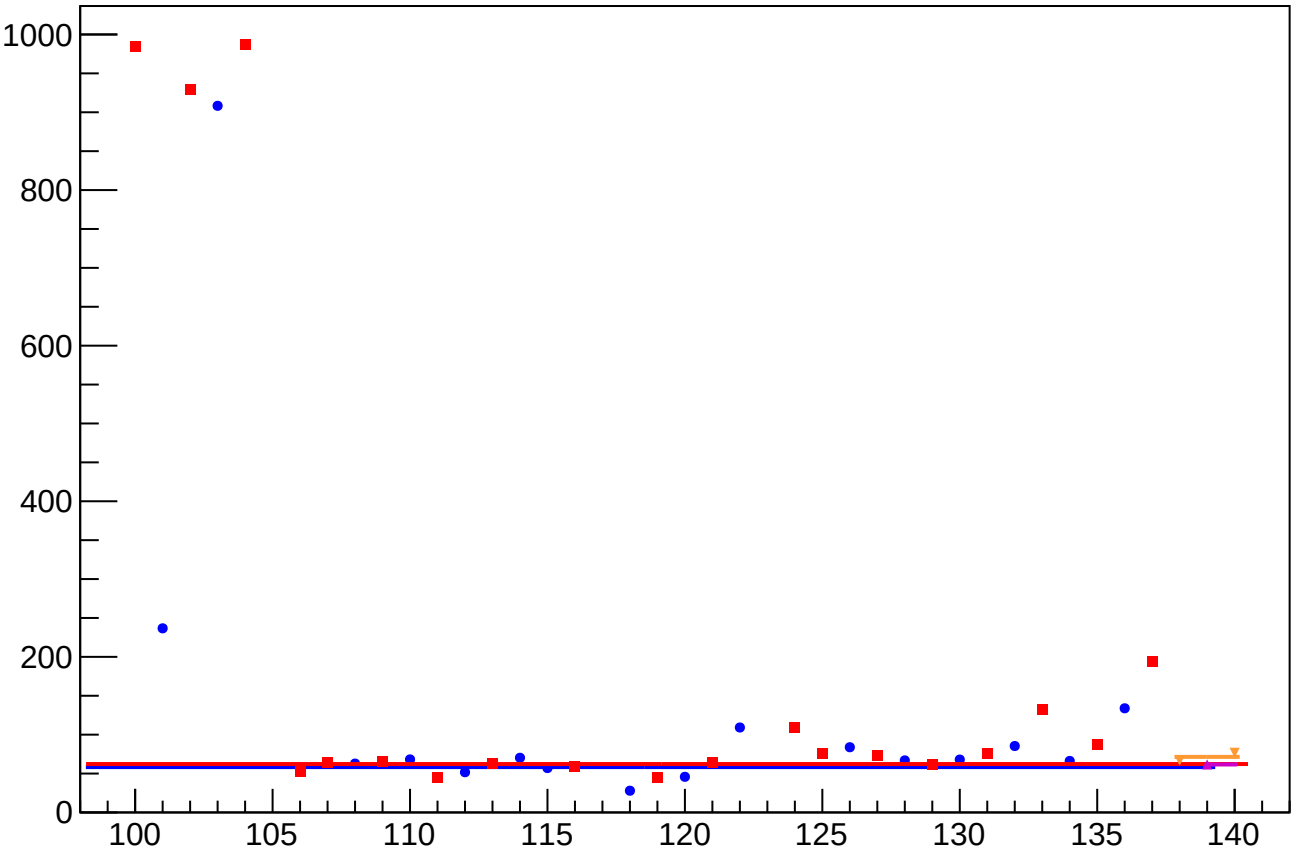
Left: -0.017+/-0.049 χ^2/NDF: 1.9/2

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.014+/-0.026 χ^2/NDF:15.1/16

Out: -0.025+/-0.026 χ^2/NDF:22.6/20

All: -0.006+/-0.018 χ^2/NDF: 38.8/37



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 71.431+/-0.045 χ^2/NDF:12444.4/1

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 61.688+/-0.055 χ^2/NDF:0.0/0

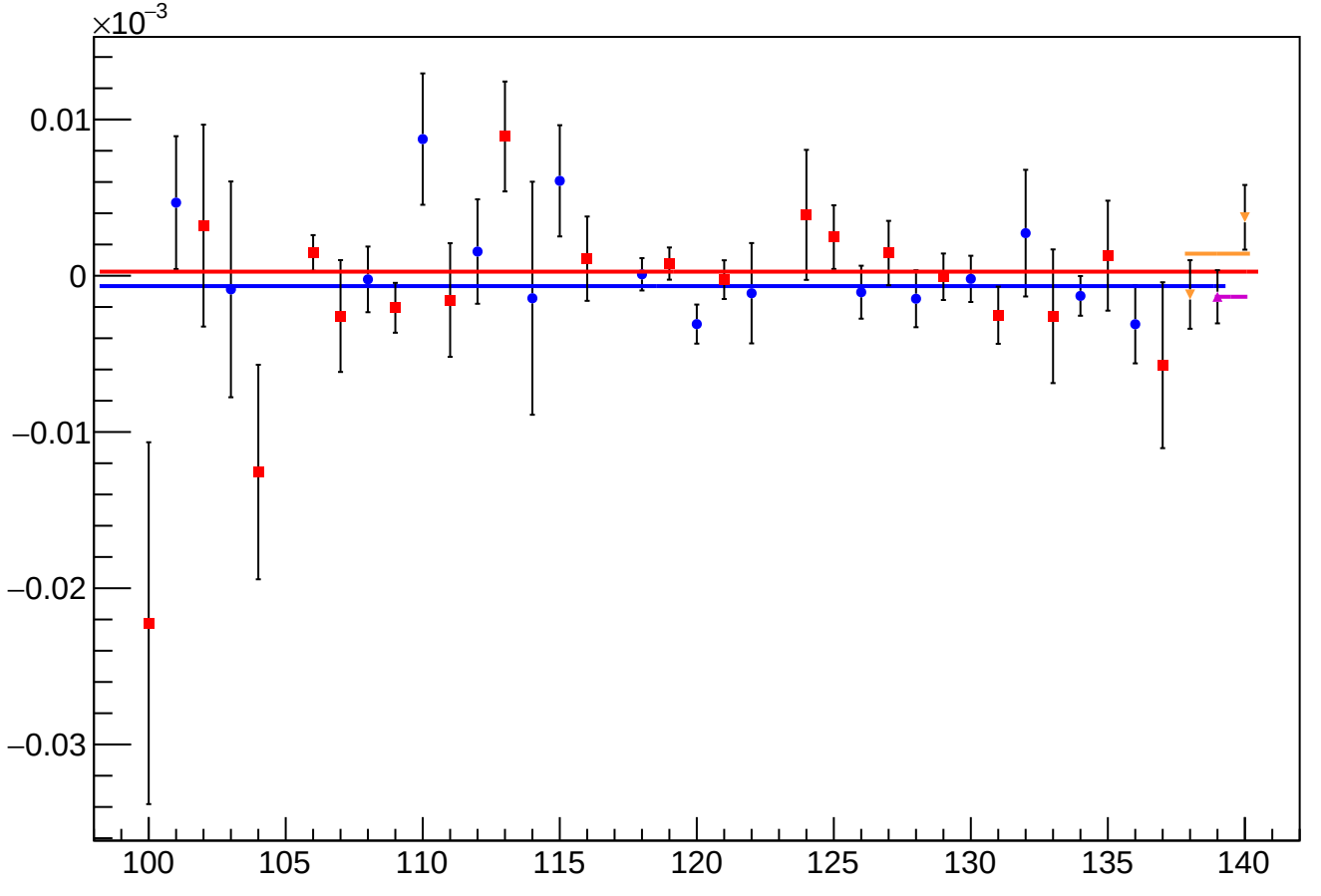
Left: 67.553+/-0.035 χ^2/NDF: 31187.5/2

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.693+/-0.019 χ^2/NDF:3263718.8/16

Out: 63.735+/-0.018 χ^2/NDF:2674580.7/20

All: 61.270+/-0.013 χ^2/NDF: 5976104.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

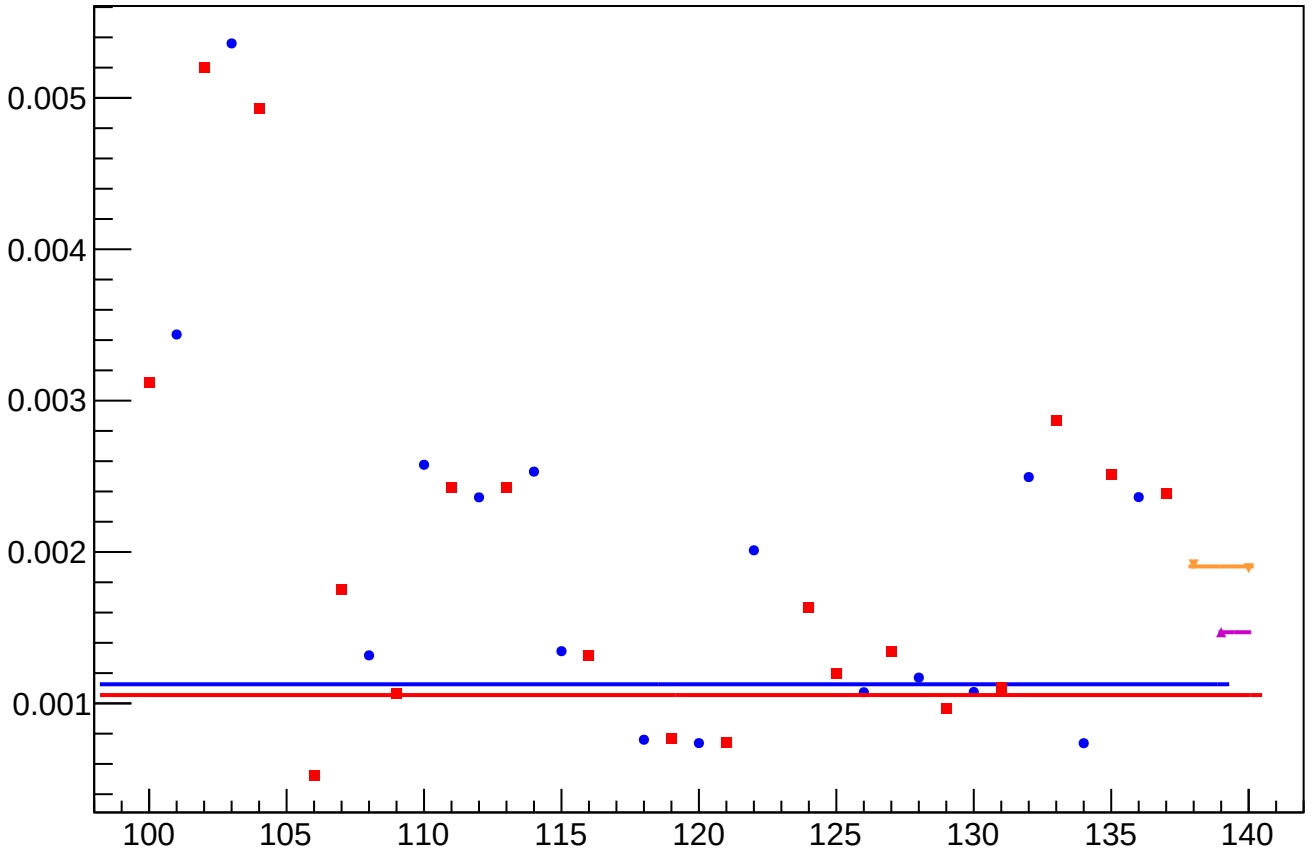
Left: 0.000+/-0.000 χ^2/NDF: 4.2/2

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:17.4/16

Out: 0.000+/-0.000 χ^2/NDF:27.8/20

All: -0.000+/-0.000 χ^2/NDF: 47.9/37



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:140.3/1

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:0.0/0

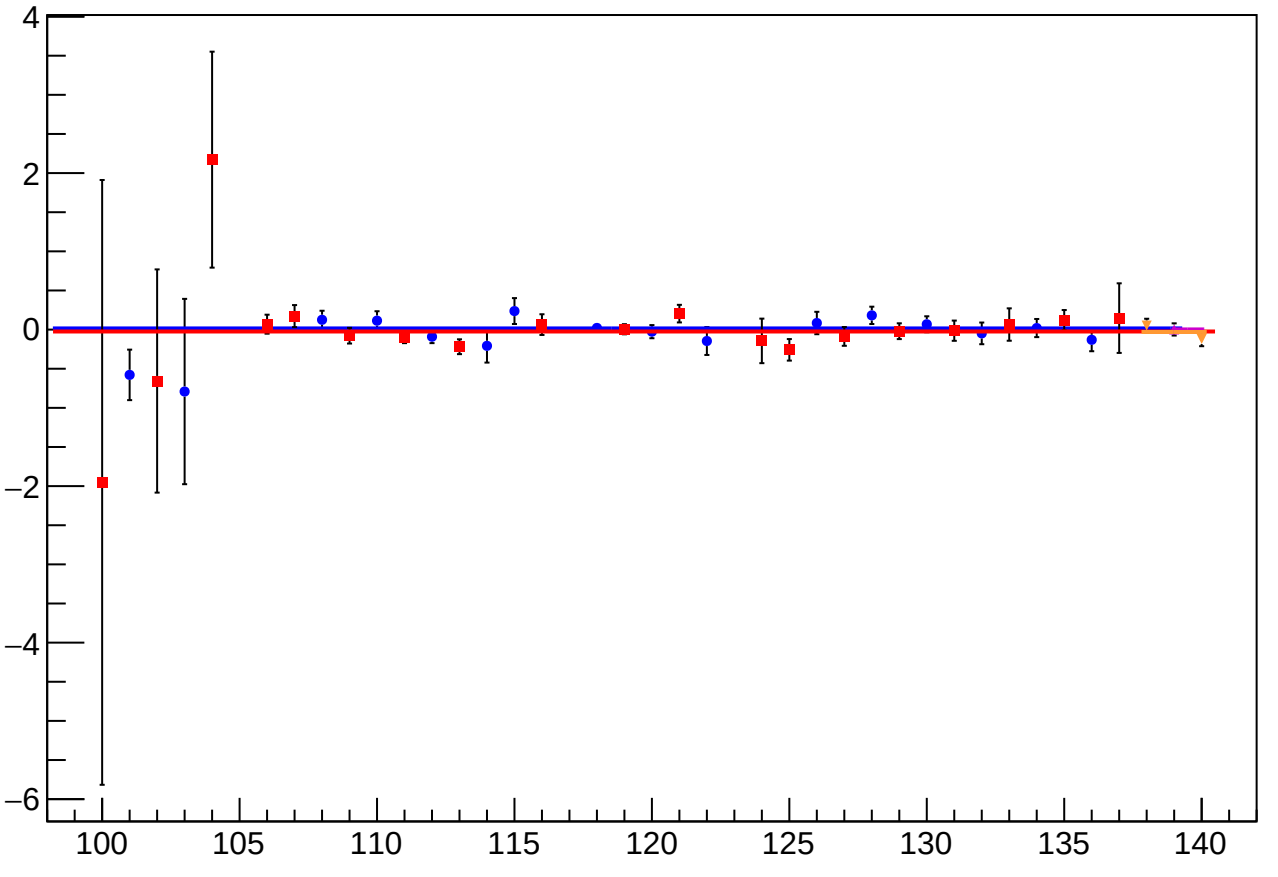
Left: 0.002+/-0.000 χ^2/NDF: 73306.8/2

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:3528428.7/16

Out: 0.001+/-0.000 χ^2/NDF:4429679.1/20

All: 0.001+/-0.000 χ^2/NDF: 7960783.5/37



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.030+/-0.063 χ^2/NDF:1.8/1

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.002+/-0.078 χ^2/NDF:0.0/0

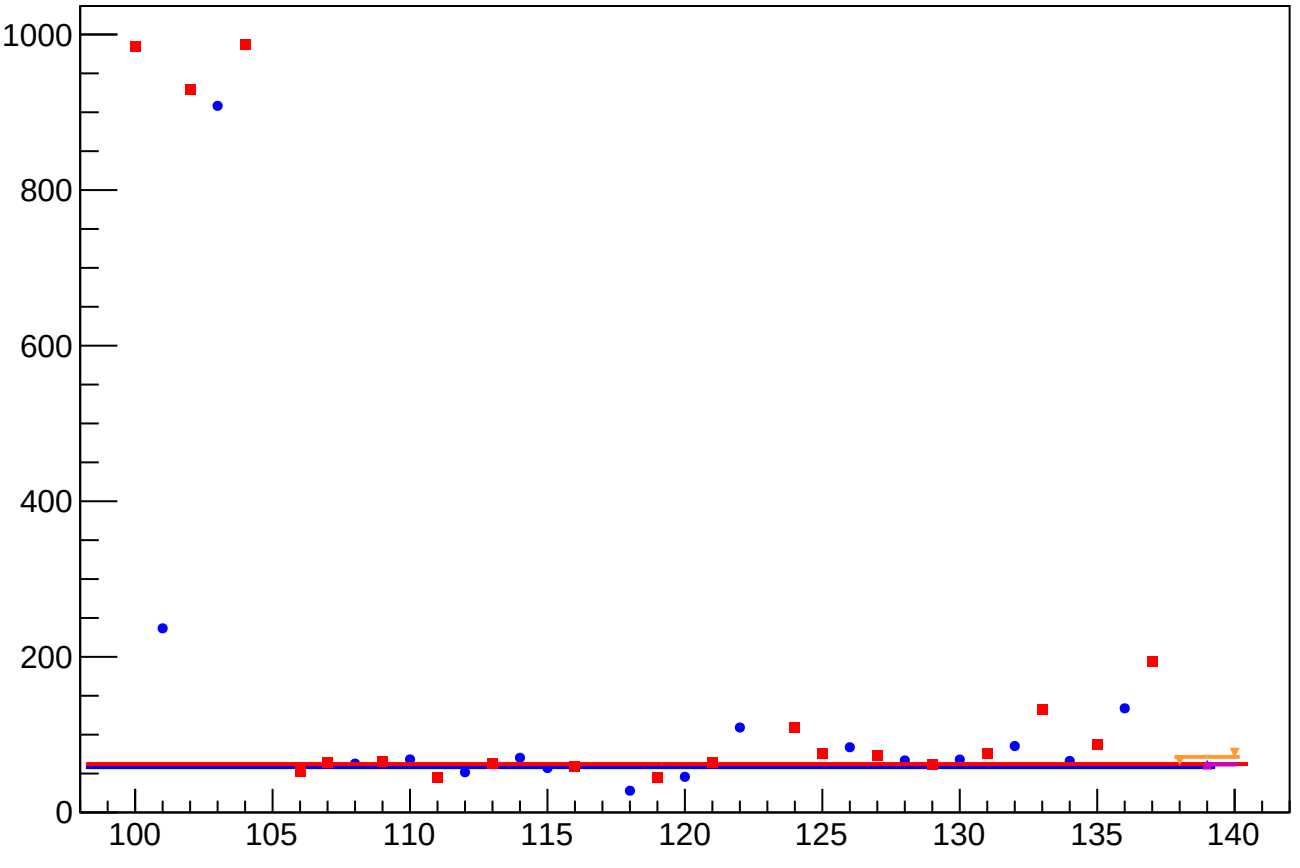
Left: -0.017+/-0.049 χ^2/NDF: 1.9/2

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.014+/-0.026 χ^2/NDF:15.1/16

Out: -0.025+/-0.026 χ^2/NDF:22.6/20

All: -0.006+/-0.018 χ^2/NDF: 38.8/37



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 71.431+/-0.045 χ^2/NDF:12447.1/1

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 61.689+/-0.055 χ^2/NDF:0.0/0

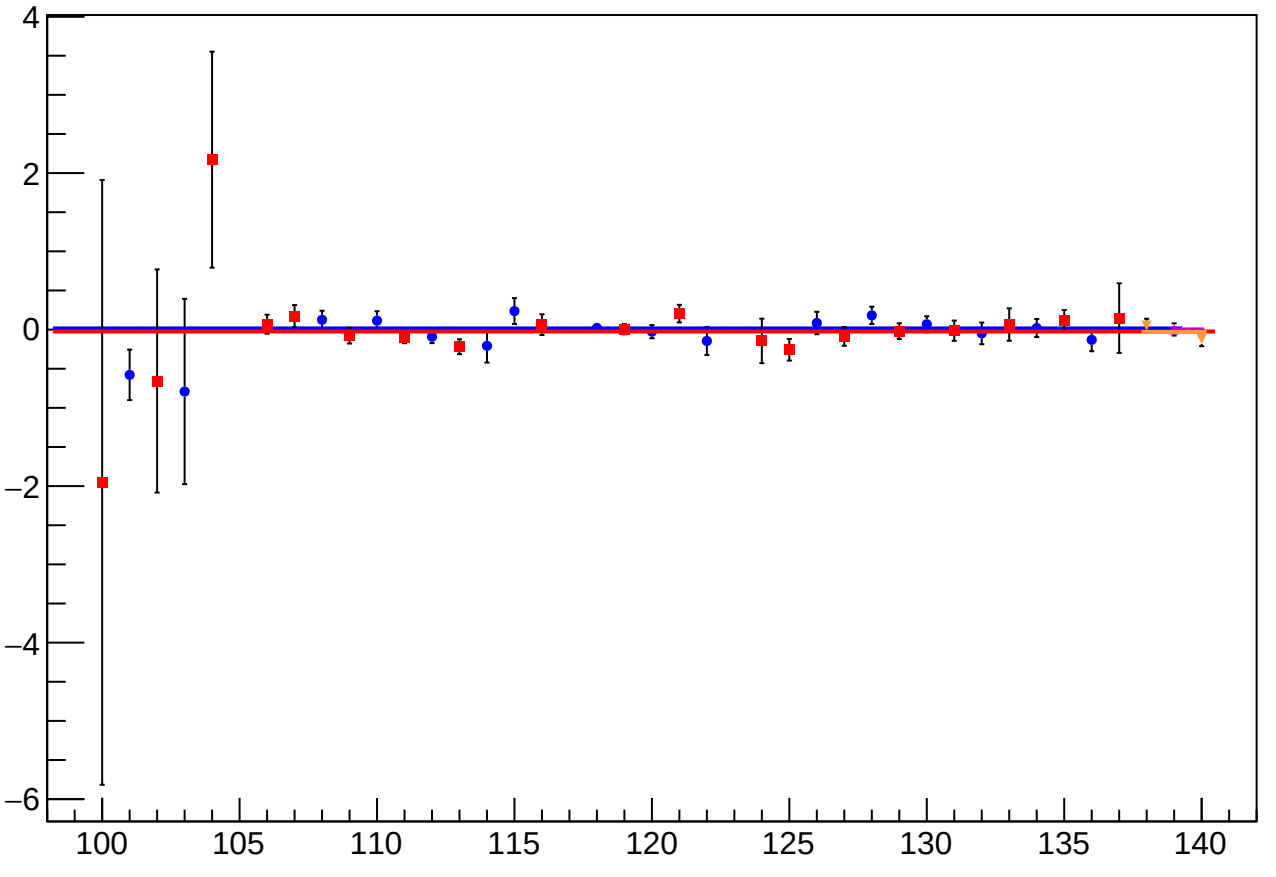
Left: 67.554+/-0.035 χ^2/NDF: 31183.5/2

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.692+/-0.019 χ^2/NDF:3263802.8/16

Out: 63.735+/-0.018 χ^2/NDF:2674574.3/20

All: 61.269+/-0.013 χ^2/NDF: 5976188.6/37



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.030+/-0.063 χ^2/NDF:1.8/1

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.002+/-0.078 χ^2/NDF:0.0/0

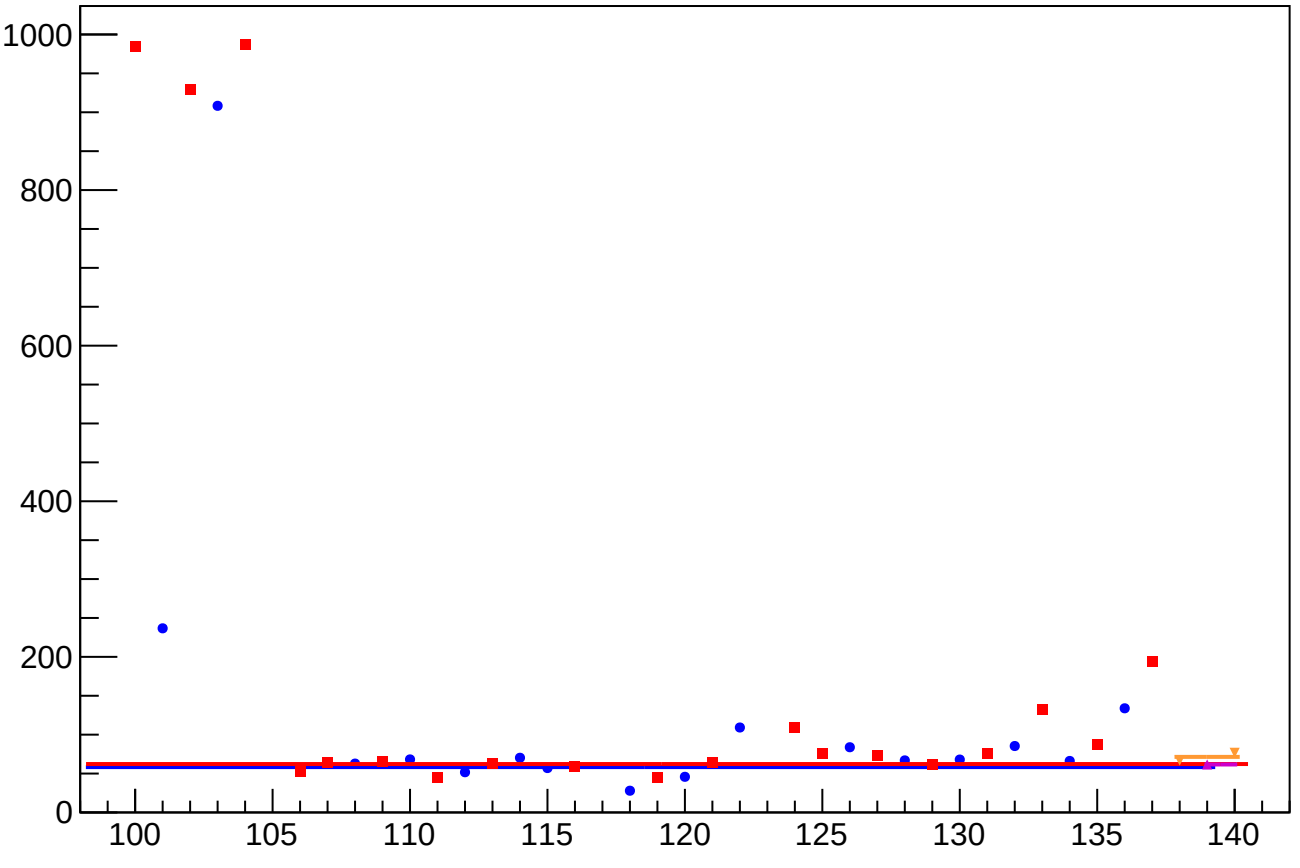
Left: -0.017+/-0.049 χ^2/NDF: 1.9/2

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.014+/-0.026 χ^2/NDF:15.1/16

Out: -0.025+/-0.026 χ^2/NDF:22.6/20

All: -0.006+/-0.018 χ^2/NDF: 38.8/37



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 71.431+/-0.045 χ^2/NDF:12447.1/1

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 61.689+/-0.055 χ^2/NDF:0.0/0

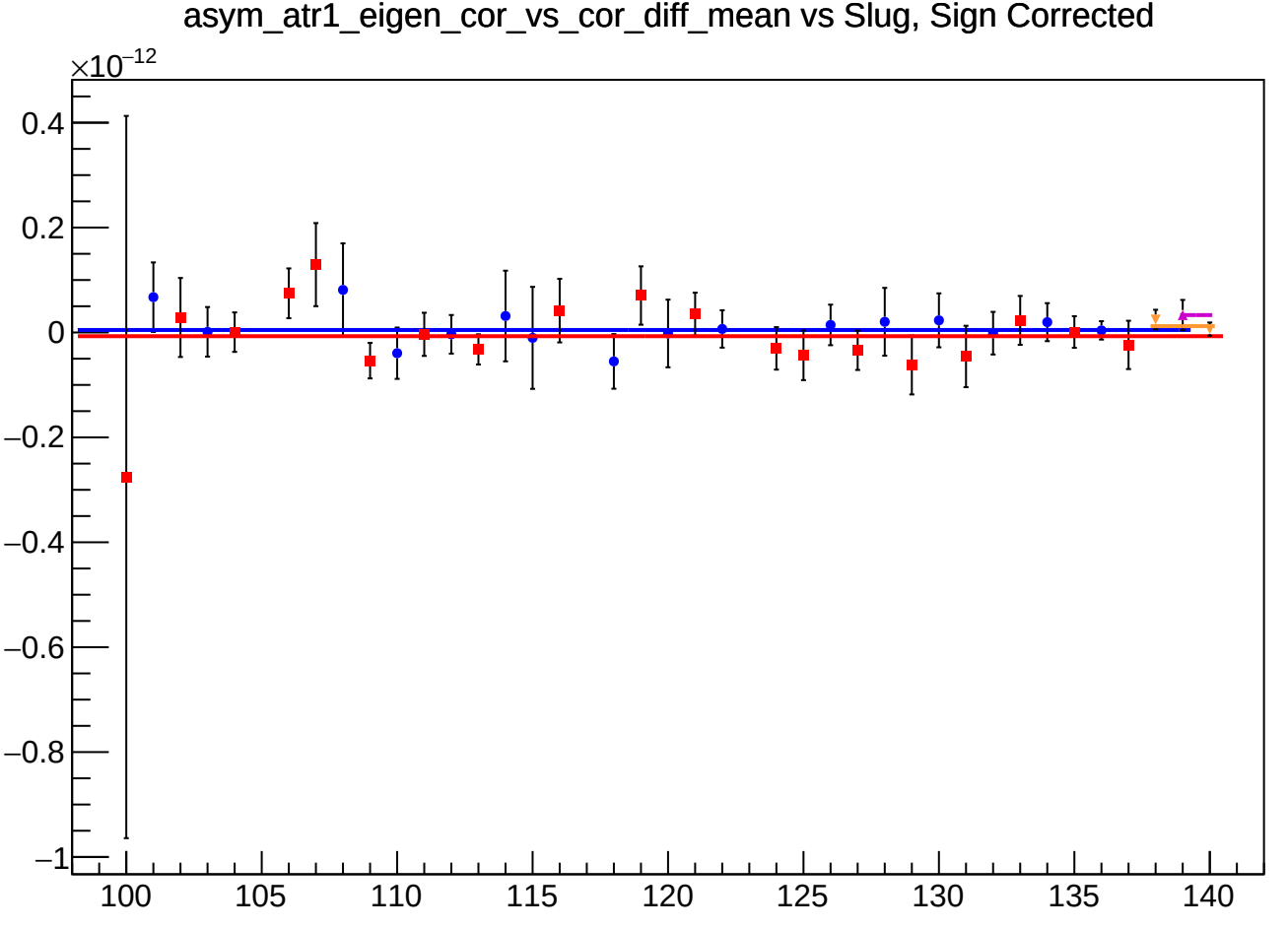
Left: 67.554+/-0.035 χ^2/NDF: 31183.5/2

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.692+/-0.019 χ^2/NDF:3263802.8/16

Out: 63.735+/-0.018 χ^2/NDF:2674574.3/20

All: 61.269+/-0.013 χ^2/NDF: 5976188.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

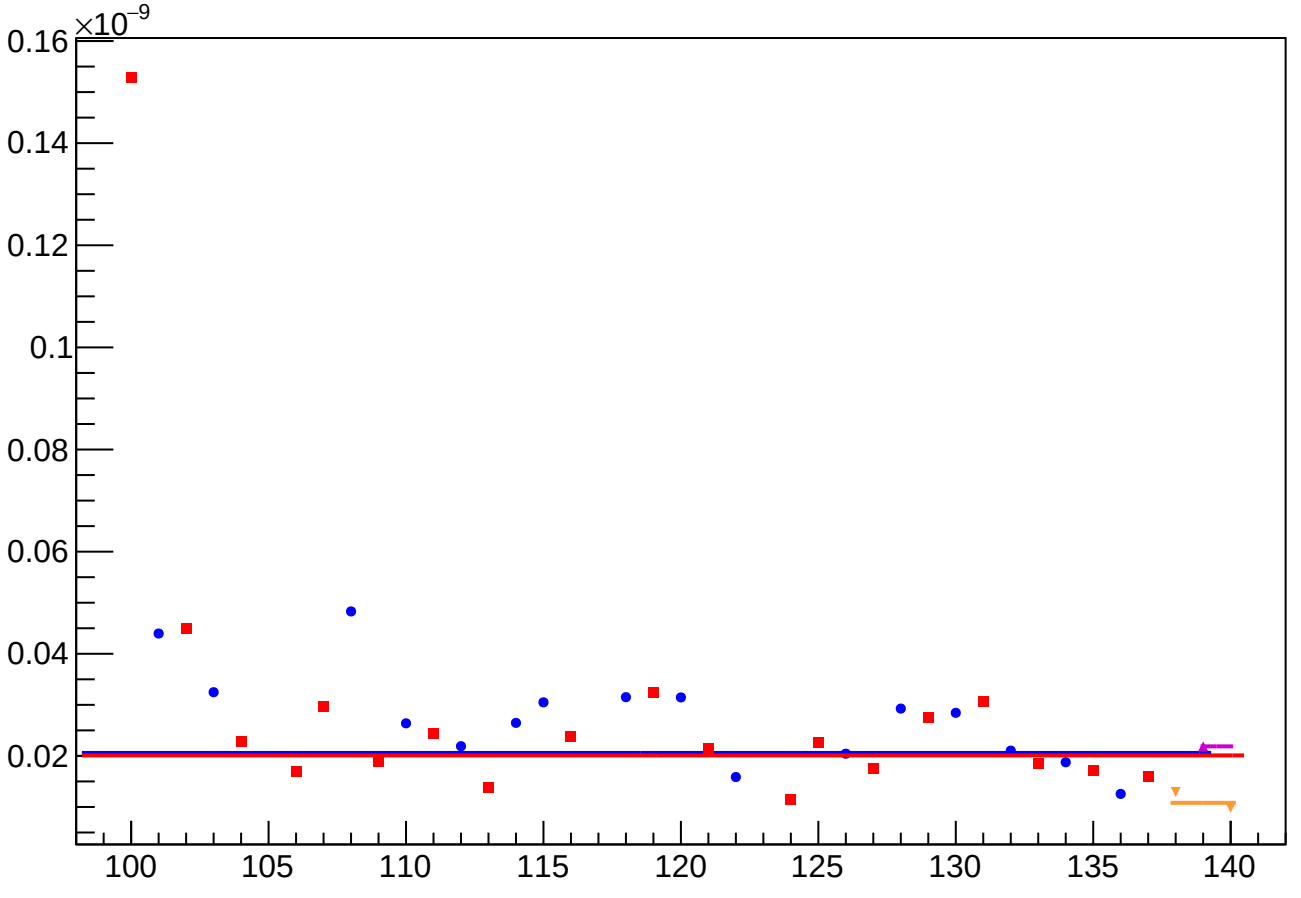
Left: 0.000+/-0.000 χ^2/NDF: 1.1/2

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:5.3/16

Out: 0.000+/-0.000 χ^2/NDF:18.5/20

All: 0.000+/-0.000 χ^2/NDF: 24.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:37636.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 296311.3/2

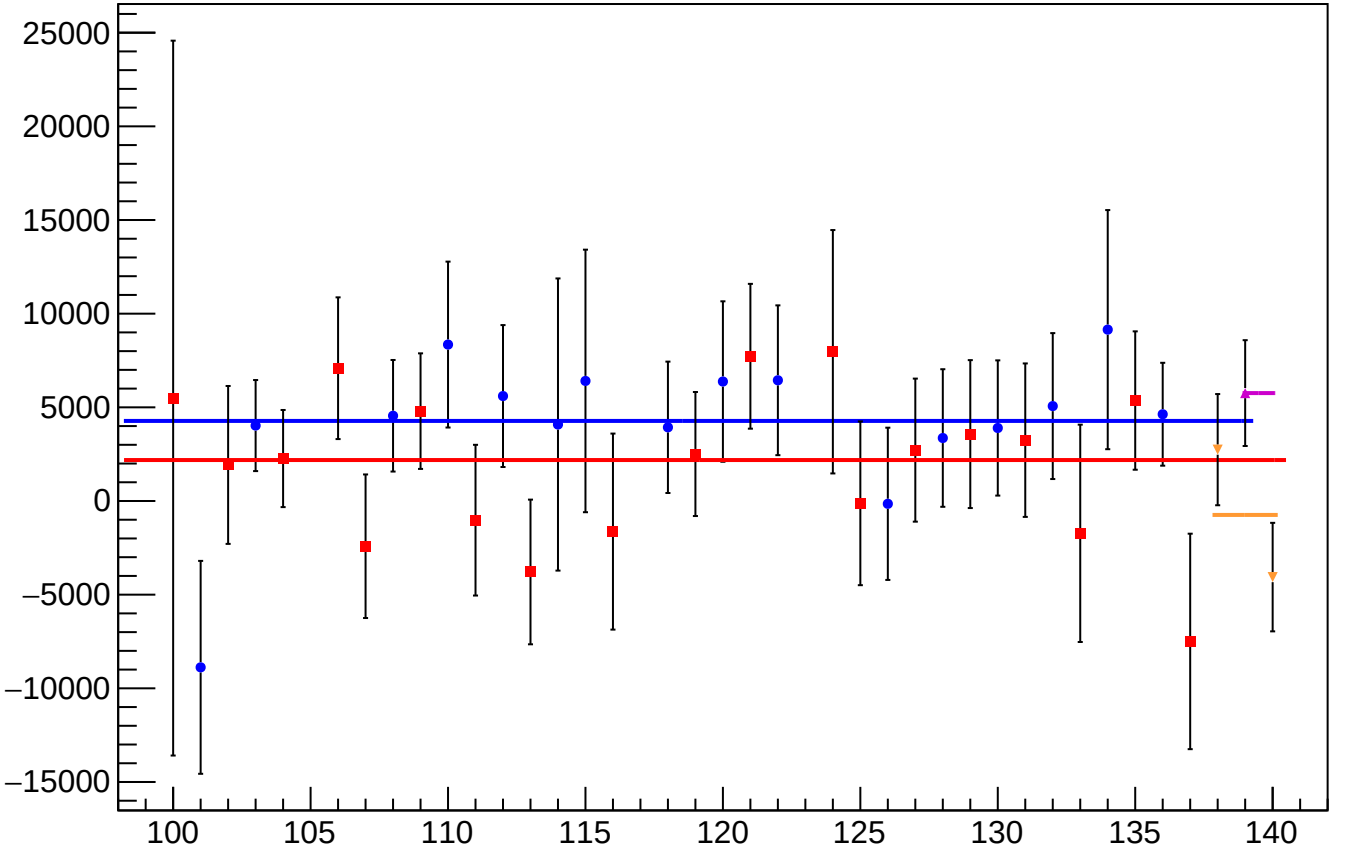
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:1323165.3/16

Out: 0.000+/-0.000 χ^2/NDF:1665228.9/20

All: 0.000+/-0.000 χ^2/NDF: 3347029.5/37

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -743.725+/-2072.922 χ^2/NDF:2.7/1

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 5760.559+/-2824.318 χ^2/NDF:0.0/0

Left: 1533.401+/-1671.119 χ^2/NDF: 6.1/2

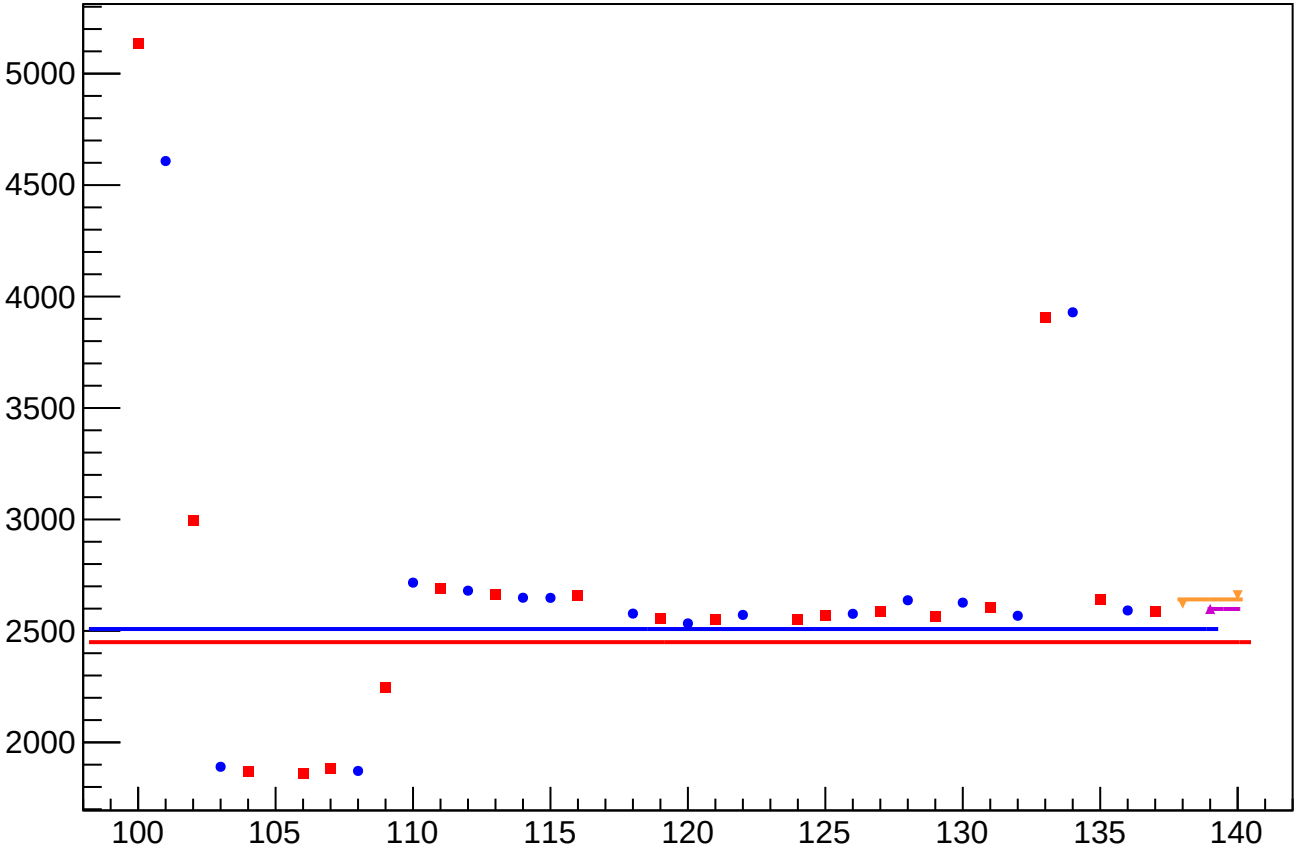
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 4426.008+/-902.092 χ^2/NDF:9.1/16

Out: 1702.261+/-842.508 χ^2/NDF:19.2/20

All: 2971.218+/-615.731 χ^2/NDF: 33.2/37

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2641.306+/-1.466 χ^2/NDF:168.1/1

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2598.469+/-1.997 χ^2/NDF:0.0/0

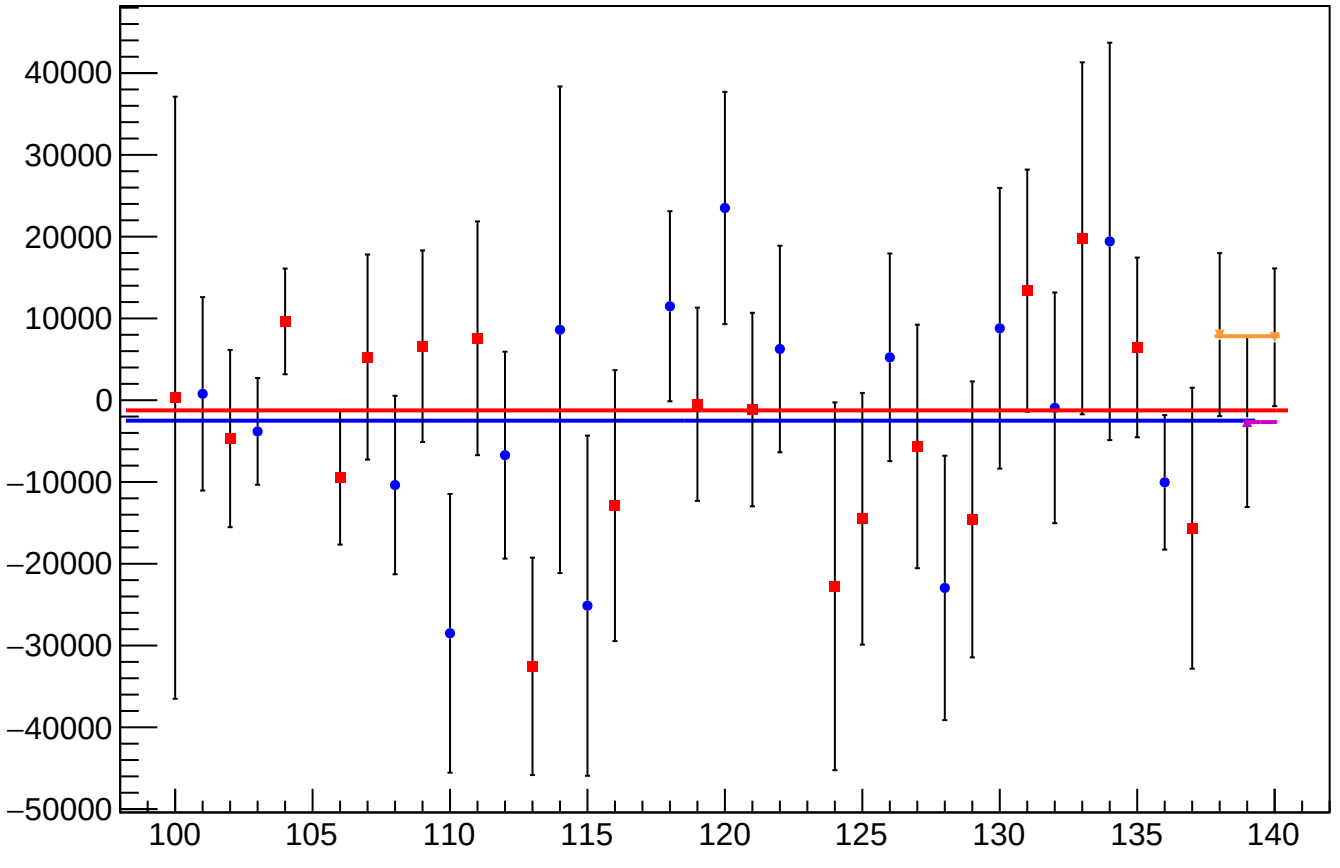
Left: 2626.309+/-1.182 χ^2/NDF: 467.1/2

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2517.648+/-0.638 χ^2/NDF:613413.5/16

Out: 2481.287+/-0.596 χ^2/NDF:451345.7/20

All: 2498.227+/-0.435 χ^2/NDF: 1066494.7/37



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 7829.456+/-6433.743 χ^2/NDF:0.0/1

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: -2669.499+/-10395.918 χ^2/NDF:0.0/0

Left: 4921.922+/-5470.817 χ^2/NDF: 0.7/2

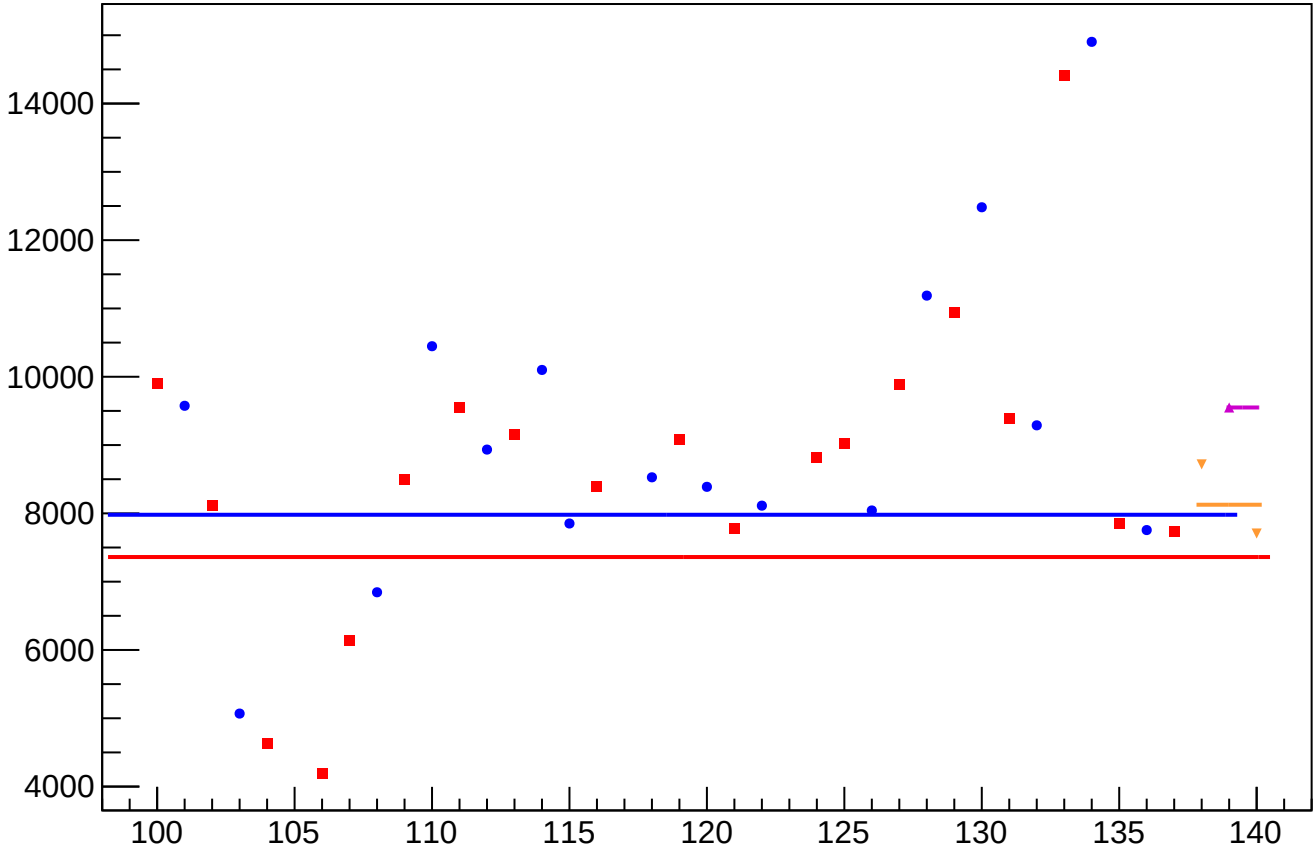
Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -2514.195+/-2949.223 χ^2/NDF:13.8/16

Out: 246.502+/-2607.873 χ^2/NDF:18.2/20

All: -964.906+/-1953.635 χ^2/NDF: 32.5/37

asym_atr2_reg_correction_rms vs Slug, Sign Corrected



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8126.442+/-4.549 χ^2/NDF:12025.8/1

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 9550.195+/-7.351 χ^2/NDF:0.0/0

Left: 8520.730+/-3.868 χ^2/NDF: 39149.6/2

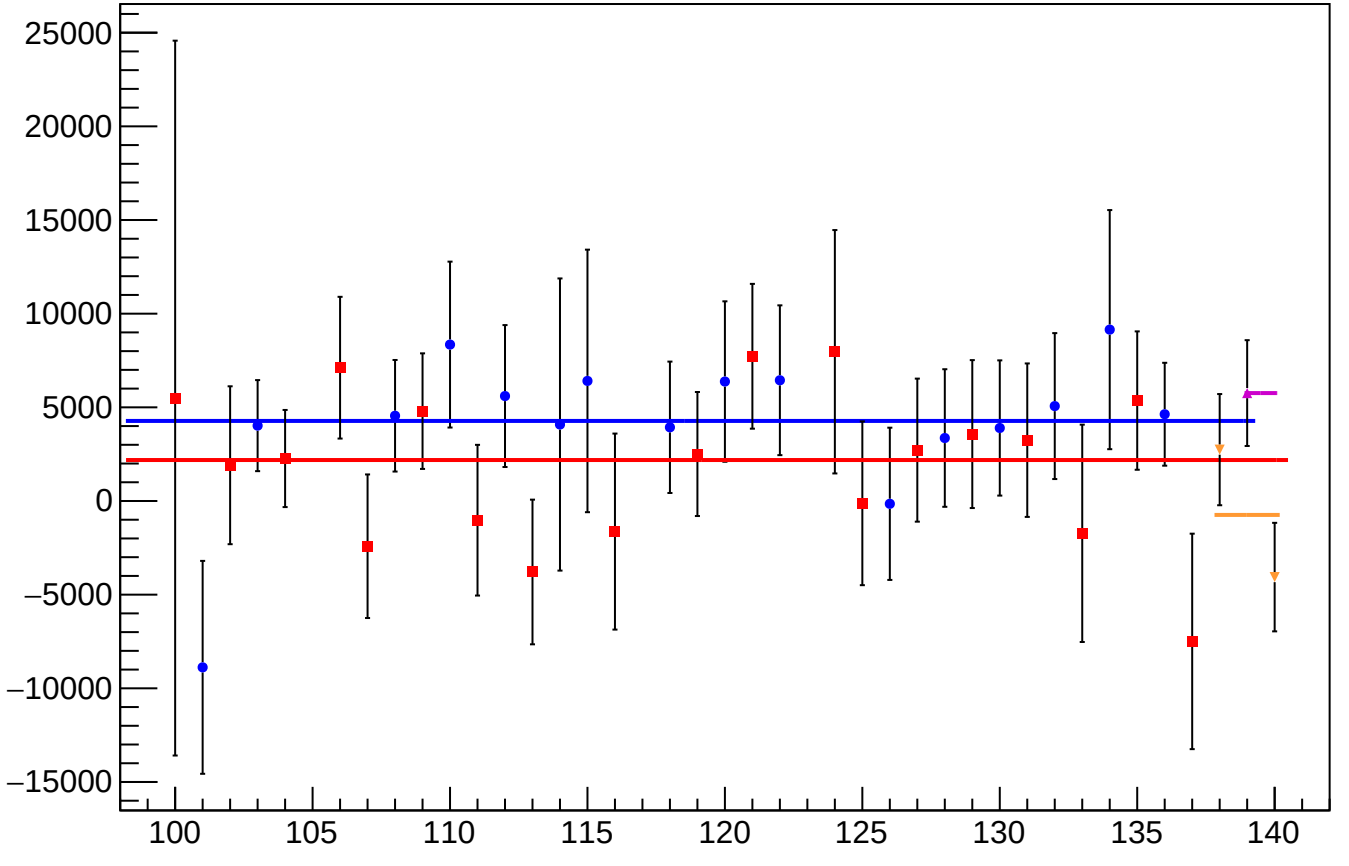
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8105.899+/-2.085 χ^2/NDF:965065.1/16

Out: 7486.548+/-1.844 χ^2/NDF:1321708.2/20

All: 7758.322+/-1.381 χ^2/NDF: 2336273.0/37

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -743.651+/-2072.922 χ^2/NDF:2.7/1

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 5760.926+/-2824.318 χ^2/NDF:0.0/0

Left: 1533.578+/-1671.119 χ^2/NDF: 6.1/2

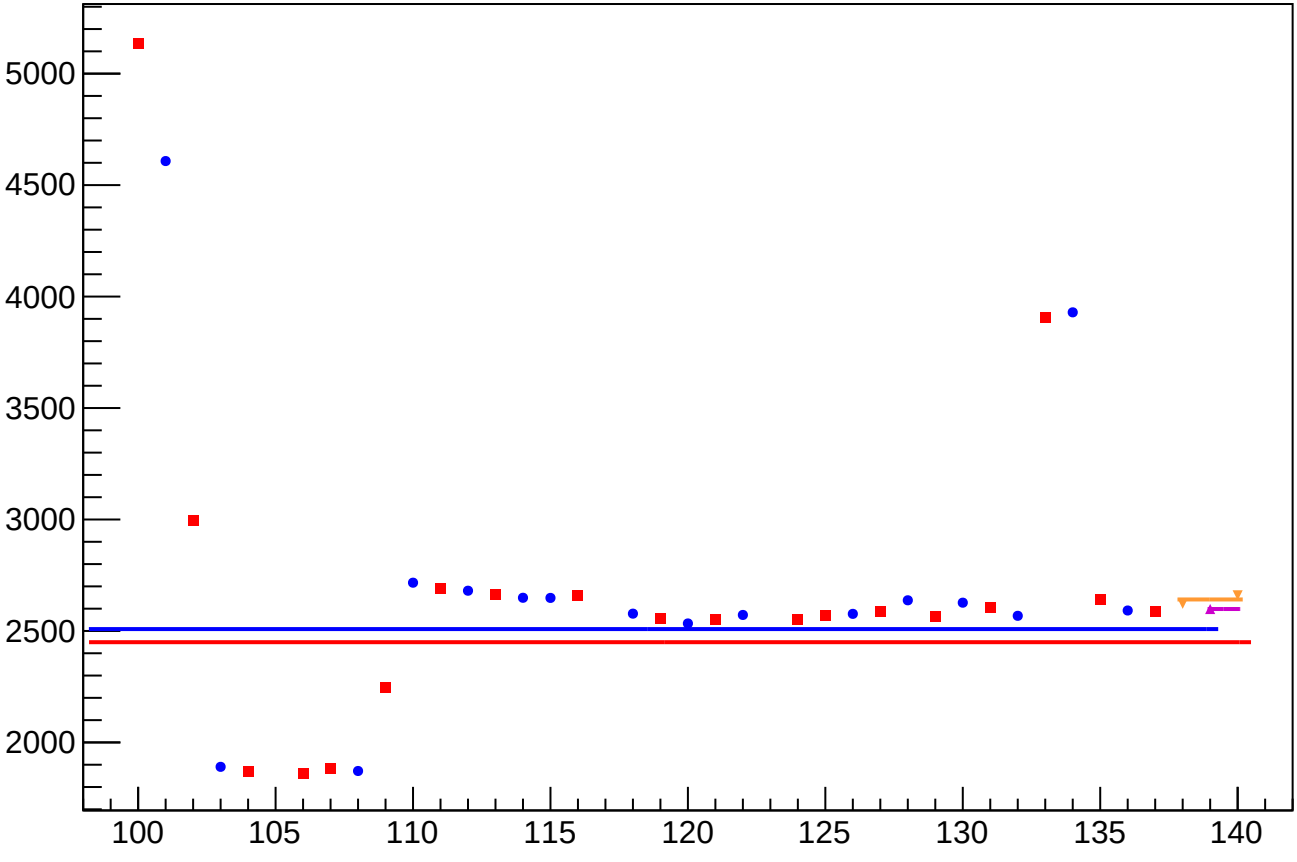
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4425.605+/-902.092 χ^2/NDF:9.1/16

Out: 1702.787+/-842.513 χ^2/NDF:19.2/20

All: 2971.319+/-615.733 χ^2/NDF: 33.2/37

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2641.306+/-1.466 χ^2/NDF:168.1/1

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2598.469+/-1.997 χ^2/NDF:0.0/0

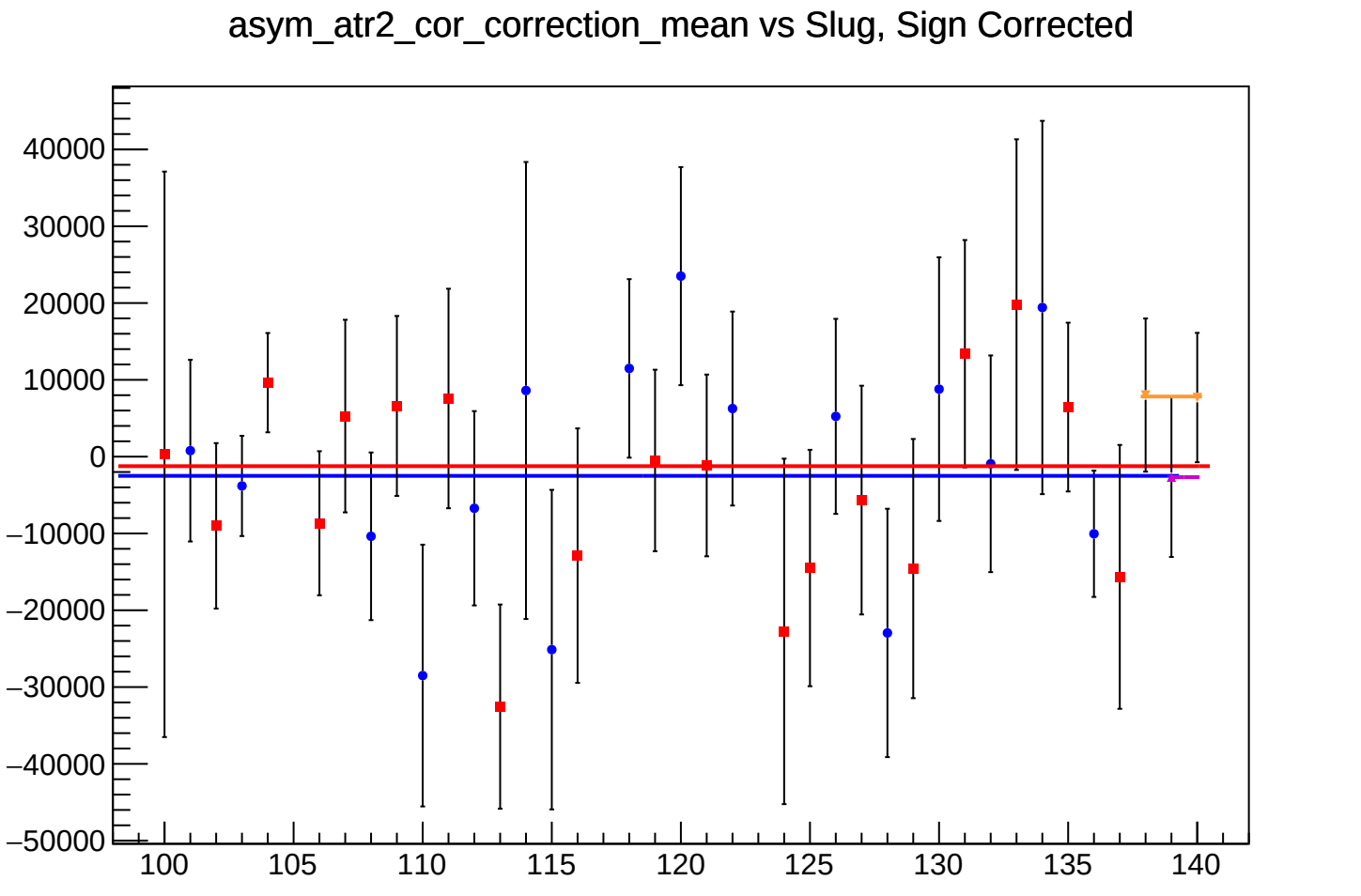
Left: 2626.309+/-1.182 χ^2/NDF: 467.1/2

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2517.649+/-0.638 χ^2/NDF:613411.2/16

Out: 2481.307+/-0.596 χ^2/NDF:451287.6/20

All: 2498.239+/-0.435 χ^2/NDF: 1066432.5/37



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 7829.134+/-6433.726 χ^2/NDF:0.0/1

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: -2669.440+/-10395.919 χ^2/NDF:0.0/0

Left: 4921.717+/-5470.807 χ^2/NDF: 0.7/2

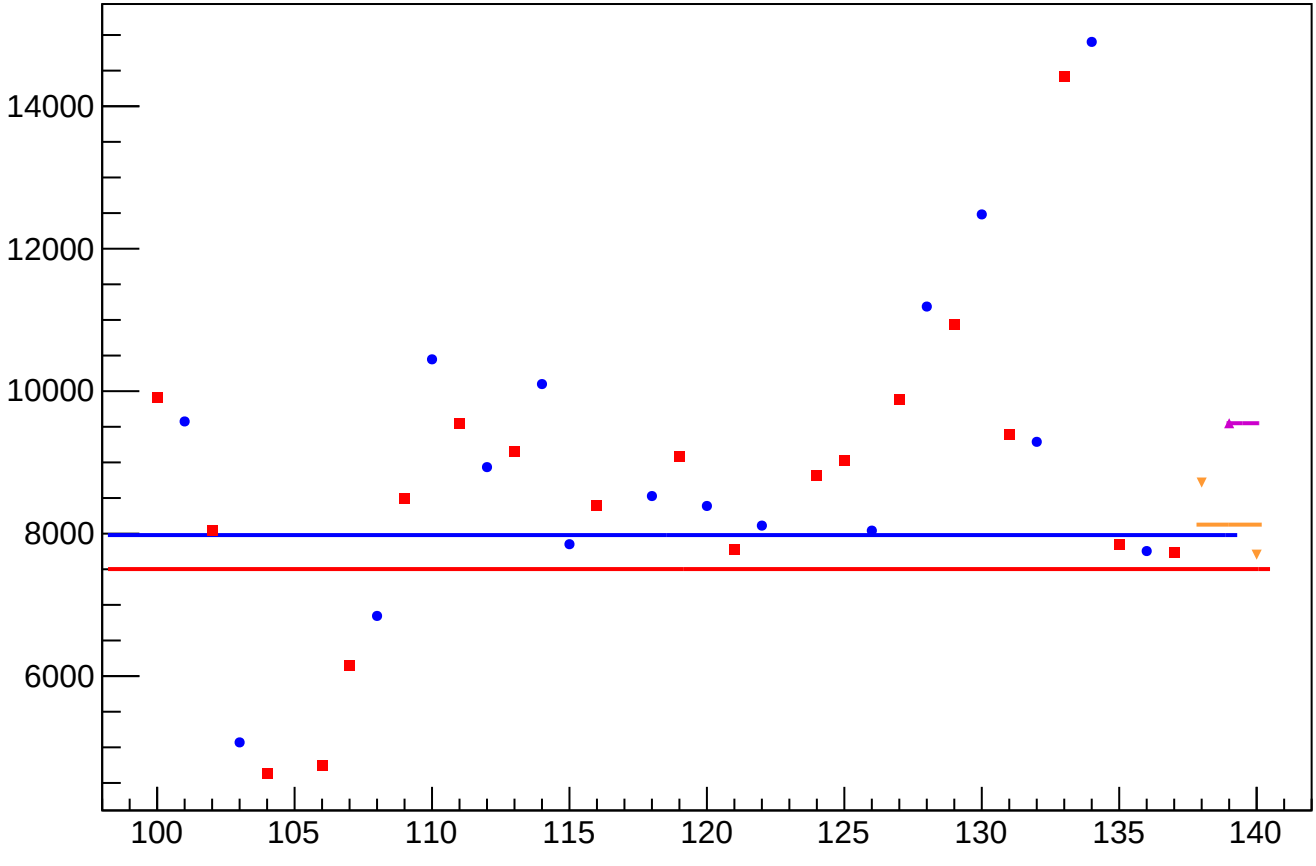
Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -2513.986+/-2949.300 χ^2/NDF:13.8/16

Out: 285.819+/-2638.875 χ^2/NDF:18.3/20

All: -959.032+/-1966.590 χ^2/NDF: 32.5/37

asym_atr2_cor_correction_rms vs Slug, Sign Corrected



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8126.419+/-4.549 χ^2/NDF:12026.2/1

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 9550.195+/-7.351 χ^2/NDF:0.0/0

Left: 8520.712+/-3.868 χ^2/NDF: 39151.0/2

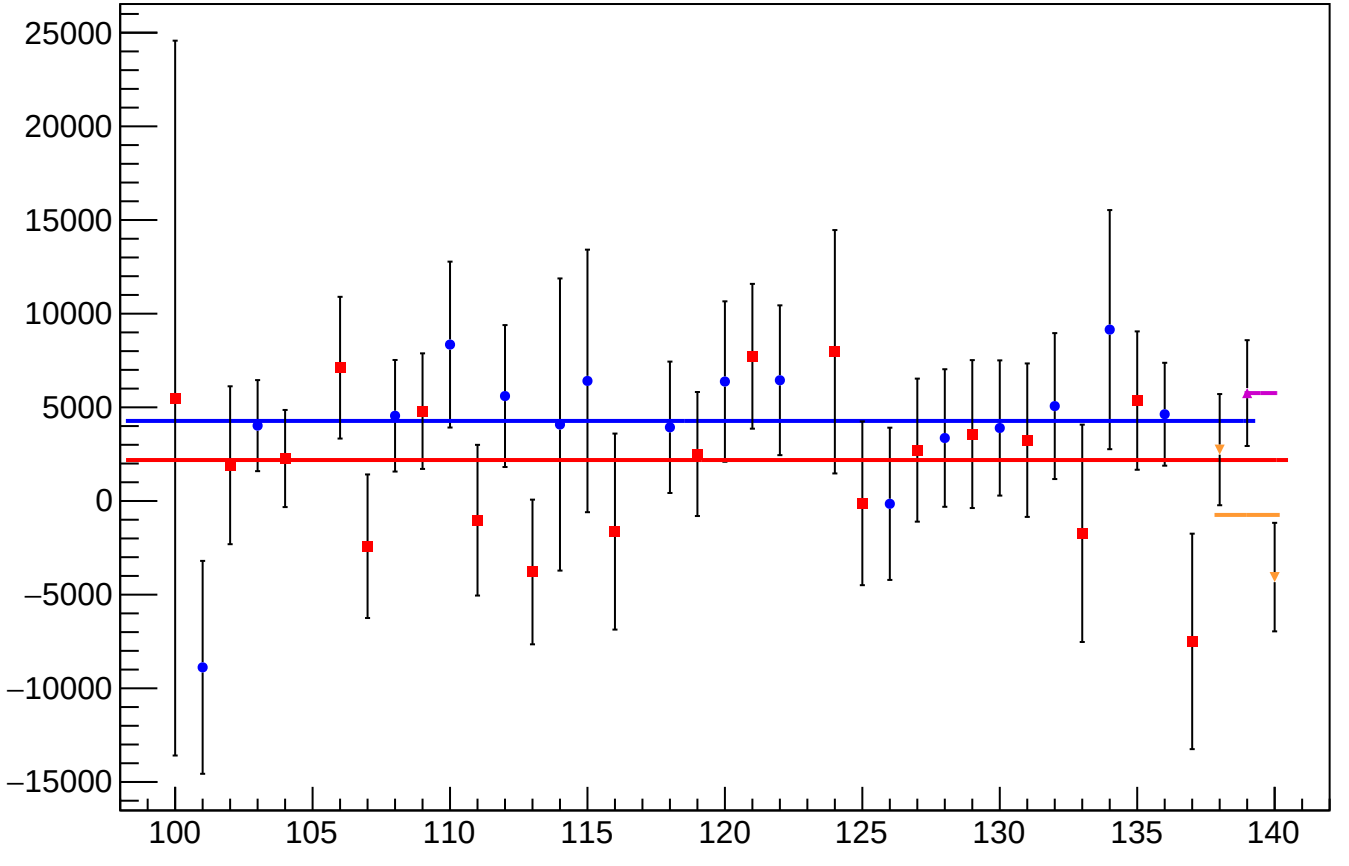
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8106.203+/-2.085 χ^2/NDF:964749.2/16

Out: 7607.618+/-1.866 χ^2/NDF:1163185.0/20

All: 7829.299+/-1.391 χ^2/NDF: 2159678.1/37

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -743.651+/-2072.922 χ^2/NDF:2.7/1

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 5760.926+/-2824.318 χ^2/NDF:0.0/0

Left: 1533.578+/-1671.119 χ^2/NDF: 6.1/2

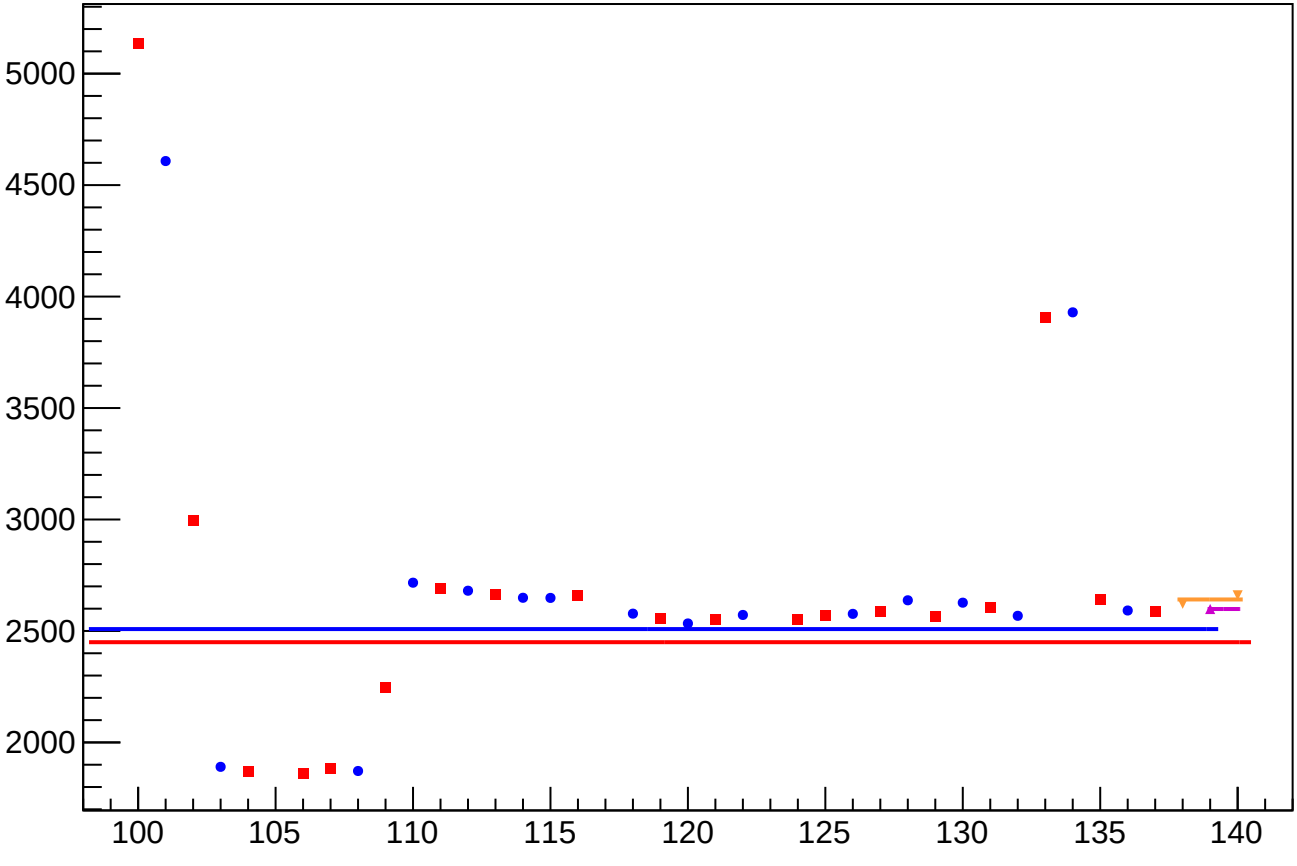
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4425.605+/-902.092 χ^2/NDF:9.1/16

Out: 1702.787+/-842.513 χ^2/NDF:19.2/20

All: 2971.319+/-615.733 χ^2/NDF: 33.2/37

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2641.306+/-1.466 χ^2/NDF:168.1/1

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2598.469+/-1.997 χ^2/NDF:0.0/0

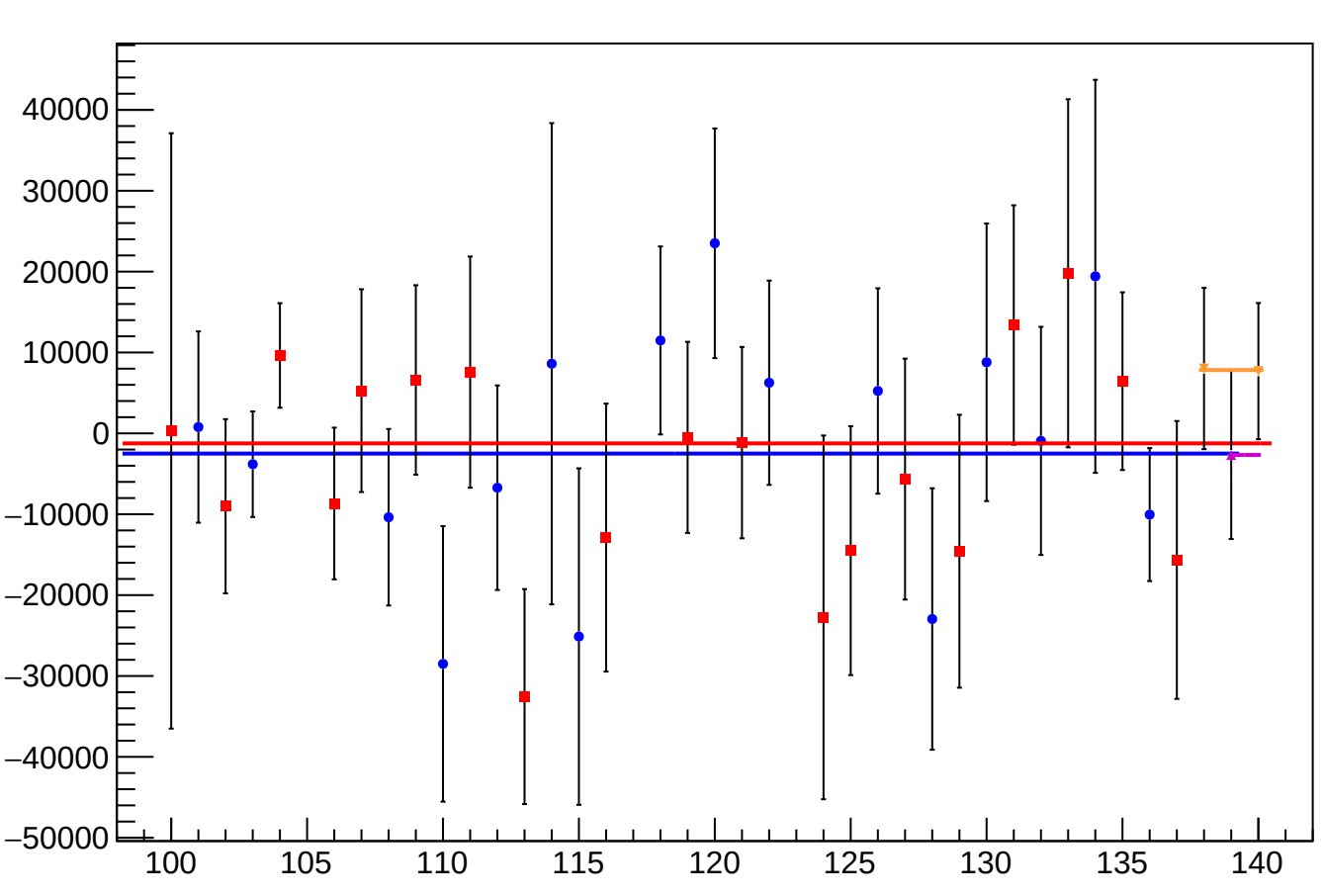
Left: 2626.309+/-1.182 χ^2/NDF: 467.1/2

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2517.649+/-0.638 χ^2/NDF:613411.2/16

Out: 2481.307+/-0.596 χ^2/NDF:451287.6/20

All: 2498.239+/-0.435 χ^2/NDF: 1066432.5/37



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 7829.134+/-6433.726 χ^2/NDF:0.0/1

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: -2669.440+/-10395.919 χ^2/NDF:0.0/0

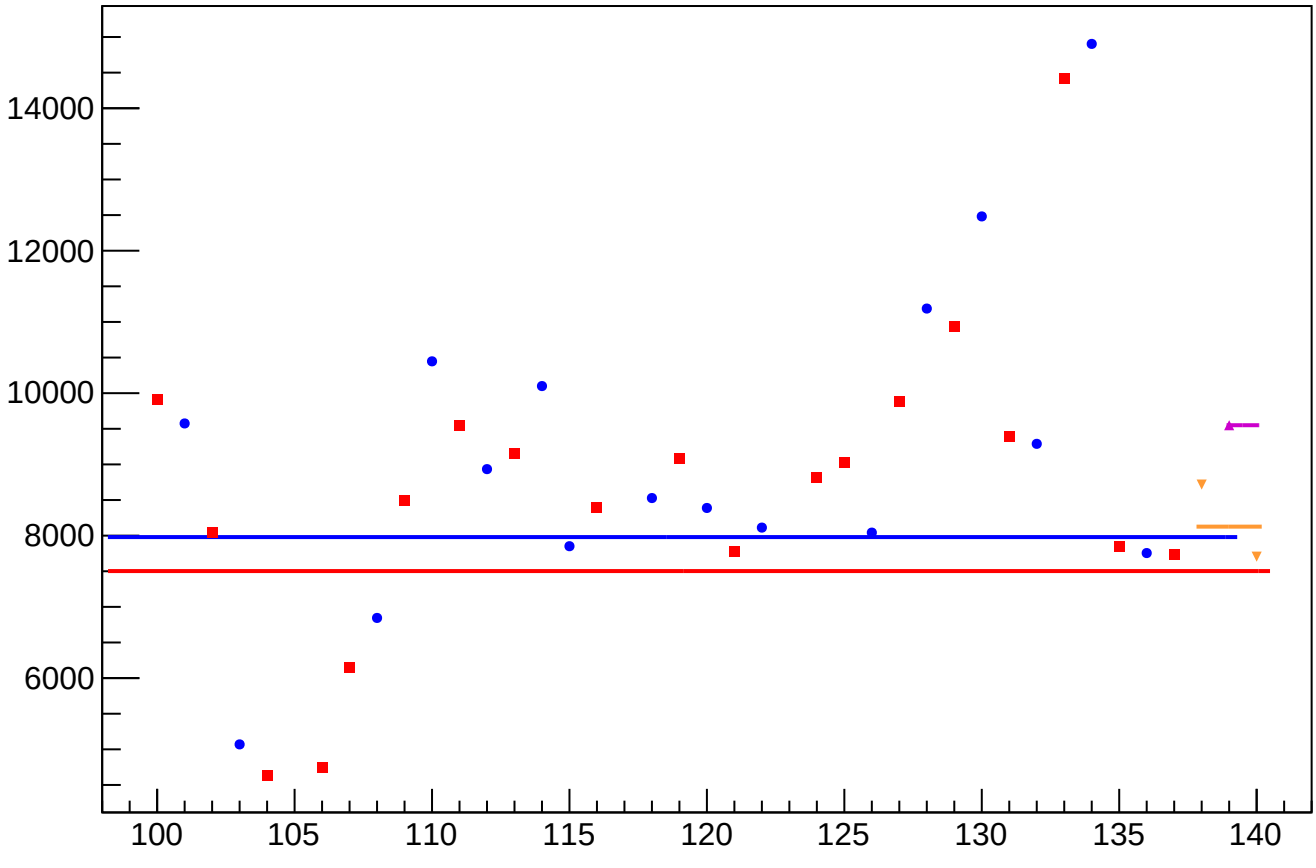
Left: 4921.717+/-5470.807 χ^2/NDF: 0.7/2

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -2513.986+/-2949.300 χ^2/NDF:13.8/16

Out: 285.819+/-2638.875 χ^2/NDF:18.3/20

All: -959.032+/-1966.590 χ^2/NDF: 32.5/37



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8126.419+/-4.549 χ^2/NDF:12026.2/1

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 9550.195+/-7.351 χ^2/NDF:0.0/0

Left: 8520.712+/-3.868 χ^2/NDF: 39151.0/2

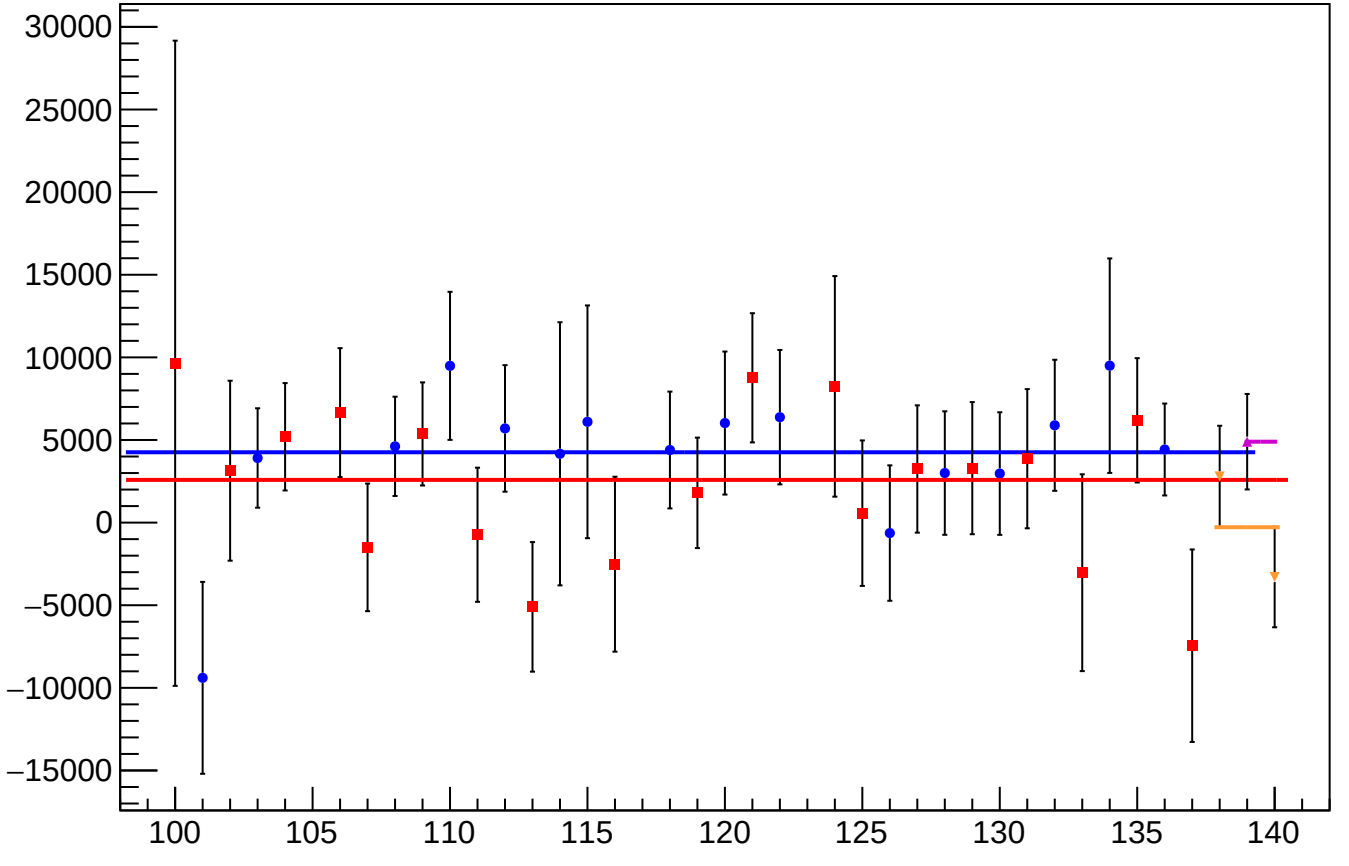
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8106.203+/-2.085 χ^2/NDF:964749.2/16

Out: 7607.618+/-1.866 χ^2/NDF:1163185.0/20

All: 7829.299+/-1.391 χ^2/NDF: 2159678.1/37

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: -278.592+/-2160.667 χ^2/NDF:2.0/1

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 4896.601+/-2889.615 χ^2/NDF:0.0/0

Left: 1577.271+/-1730.413 χ^2/NDF: 4.0/2

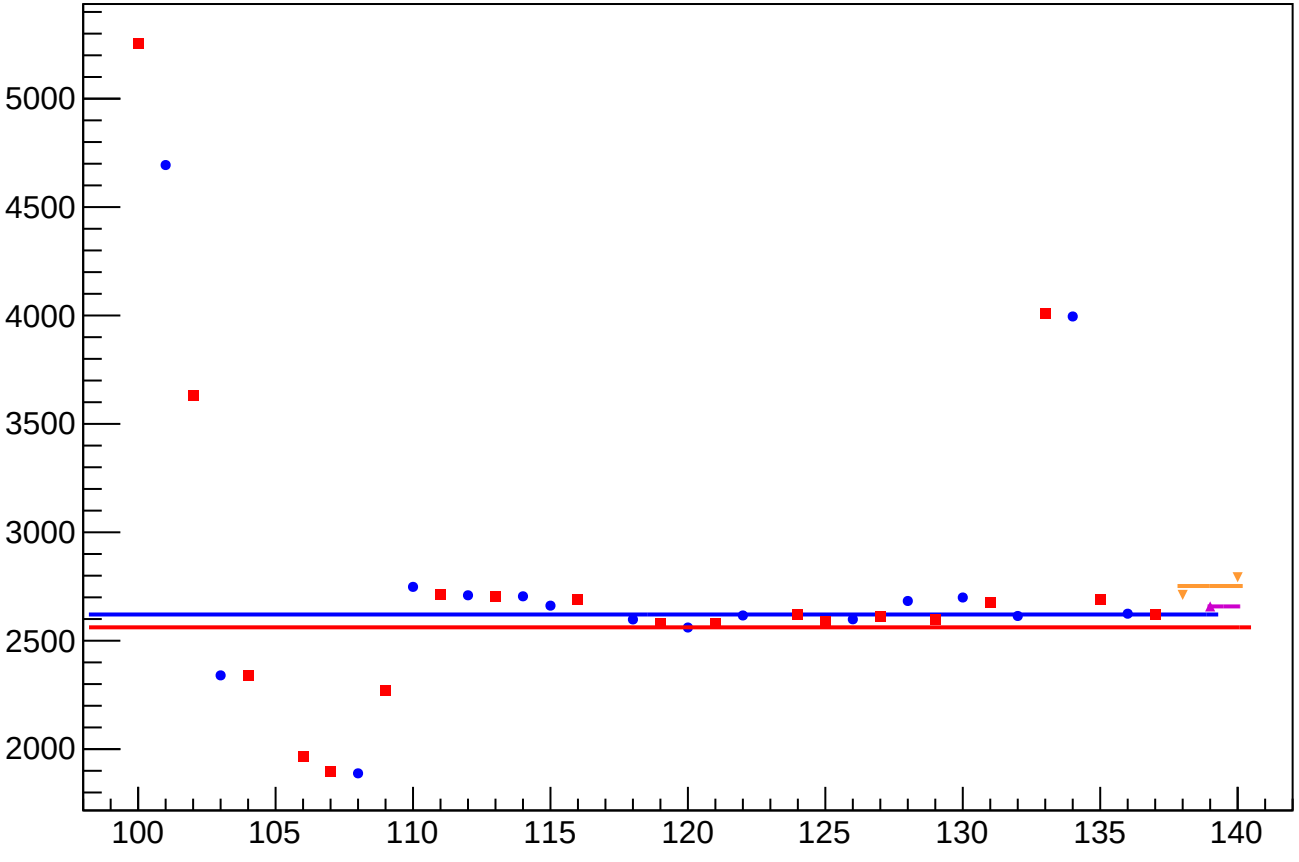
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4324.234+/-937.017 χ^2/NDF:10.1/16

Out: 2107.666+/-881.913 χ^2/NDF:21.1/20

All: 3148.861+/-642.204 χ^2/NDF: 34.1/37

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2752.318+/-1.528 χ^2/NDF:711.8/1

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2658.200+/-2.043 χ^2/NDF:0.0/0

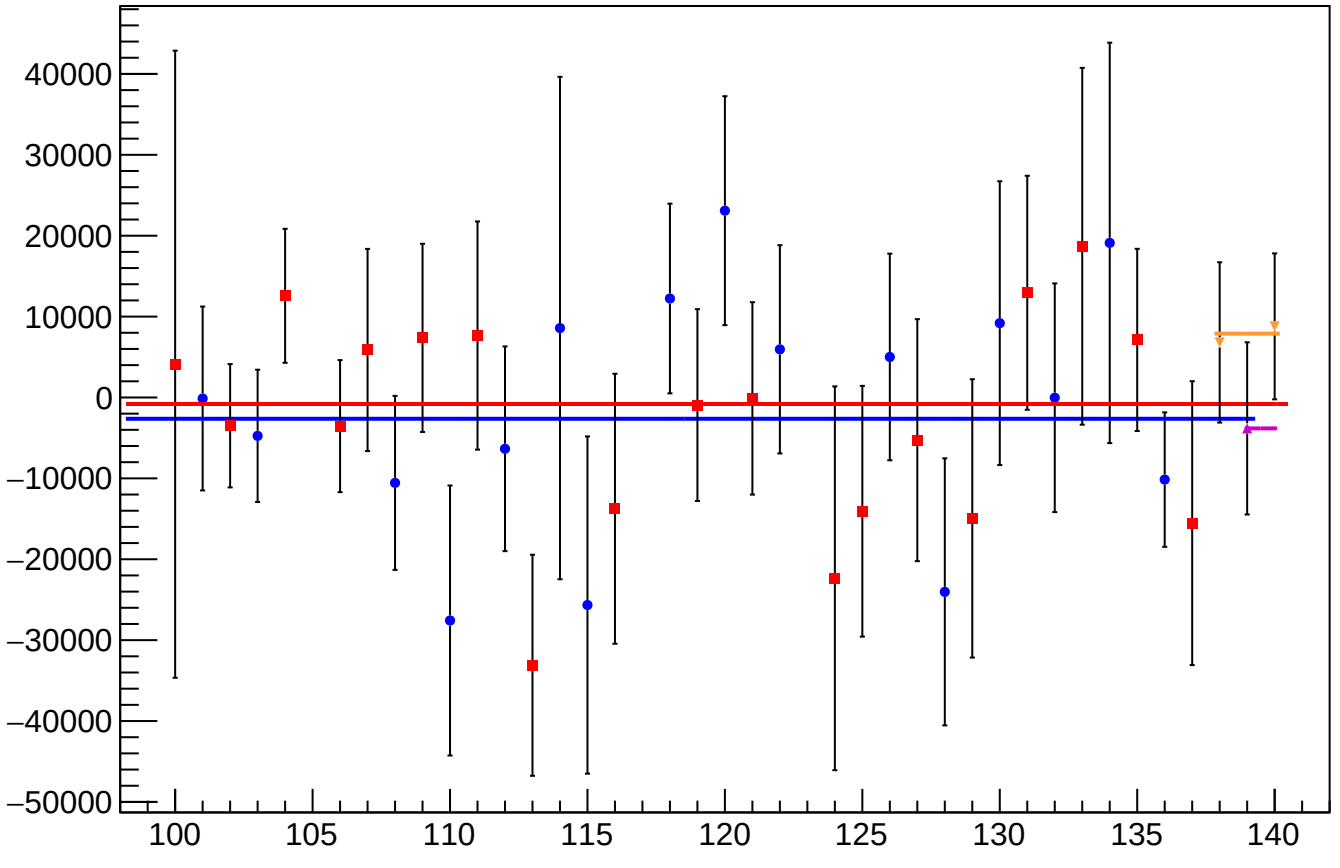
Left: 2718.566+/-1.224 χ^2/NDF: 2072.7/2

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2624.879+/-0.663 χ^2/NDF:486211.3/16

Out: 2593.441+/-0.623 χ^2/NDF:391944.2/20

All: 2608.201+/-0.454 χ^2/NDF: 879349.8/37



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 7892.824+/-6670.968 χ^2/NDF:0.0/1

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: -3821.818+/-10642.811 χ^2/NDF:0.0/0

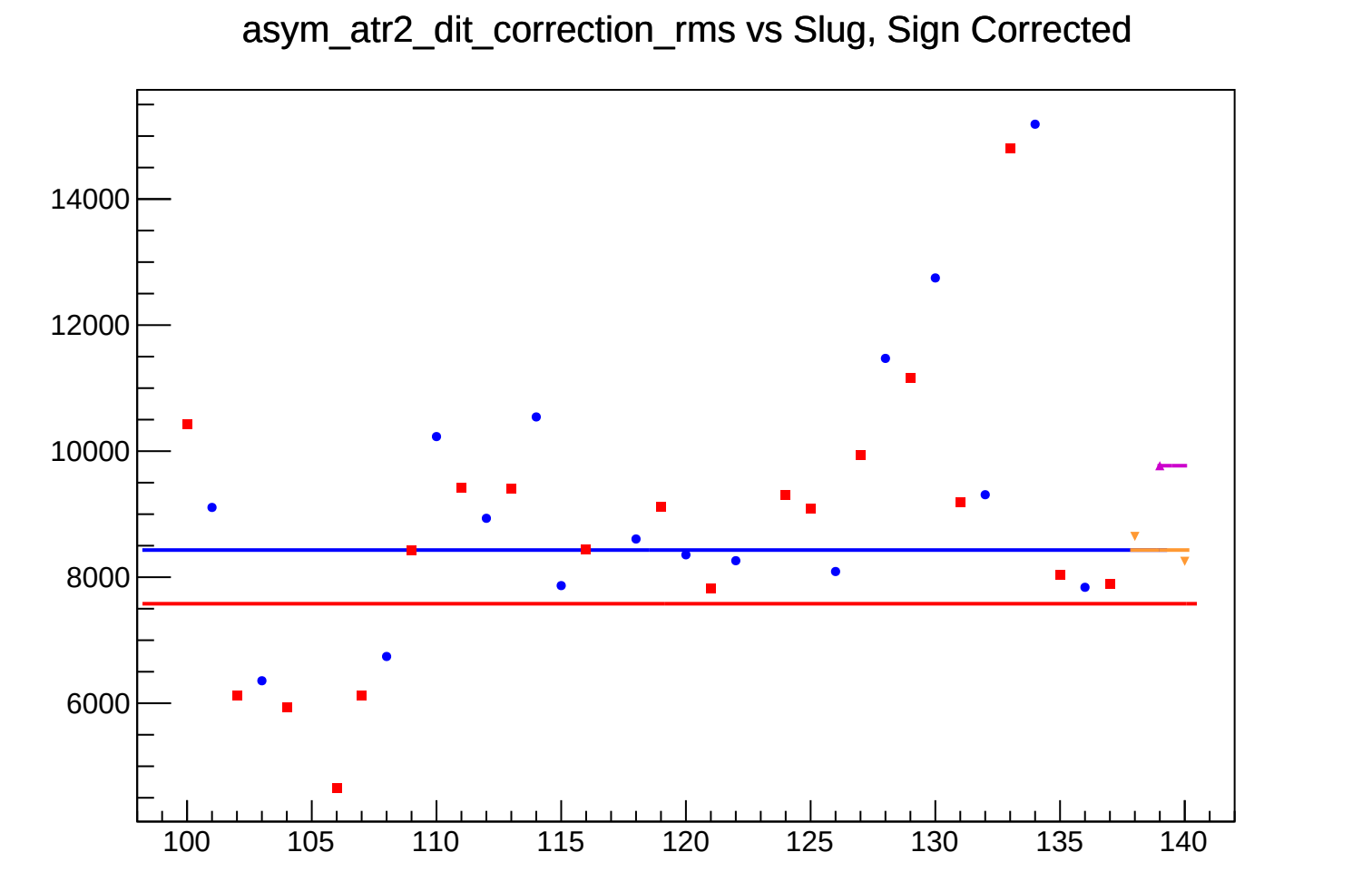
Left: 4588.529+/-5652.379 χ^2/NDF: 0.9/2

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -2731.225+/-3074.577 χ^2/NDF:13.8/16

Out: 557.587+/-2638.642 χ^2/NDF:16.9/20

All: -837.326+/-2002.347 χ^2/NDF: 31.3/37



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8430.884+/-4.717 χ^2/NDF:1738.6/1

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 9769.147+/-7.526 χ^2/NDF:0.0/0

Left: 8808.361+/-3.997 χ^2/NDF: 24441.7/2

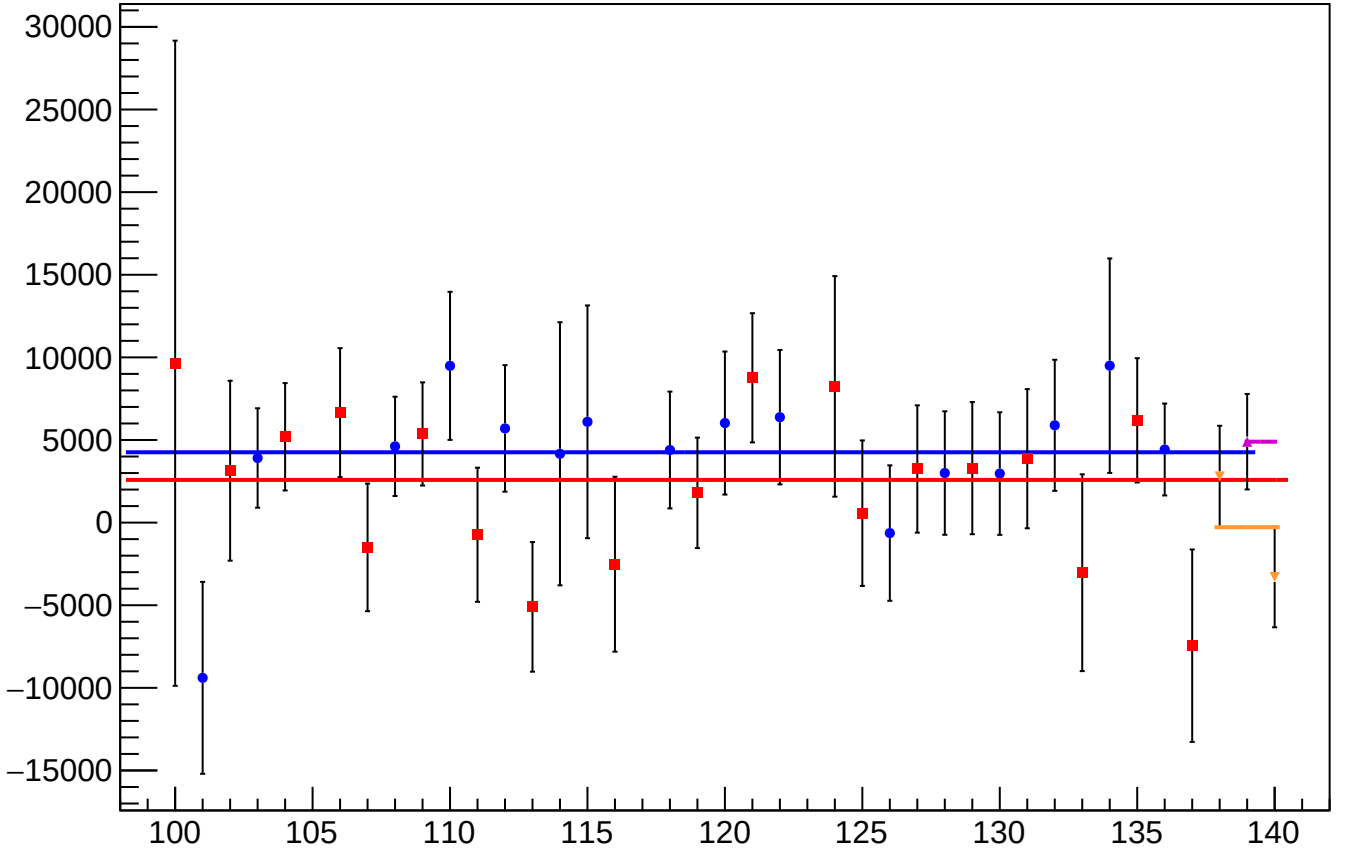
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8542.464+/-2.174 χ^2/NDF:609283.8/16

Out: 7712.374+/-1.866 χ^2/NDF:1003370.3/20

All: 8064.447+/-1.416 χ^2/NDF: 1696605.4/37

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: -278.604+/-2160.668 χ^2/NDF:2.0/1

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 4896.527+/-2889.618 χ^2/NDF:0.0/0

Left: 1577.236+/-1730.414 χ^2/NDF: 4.0/2

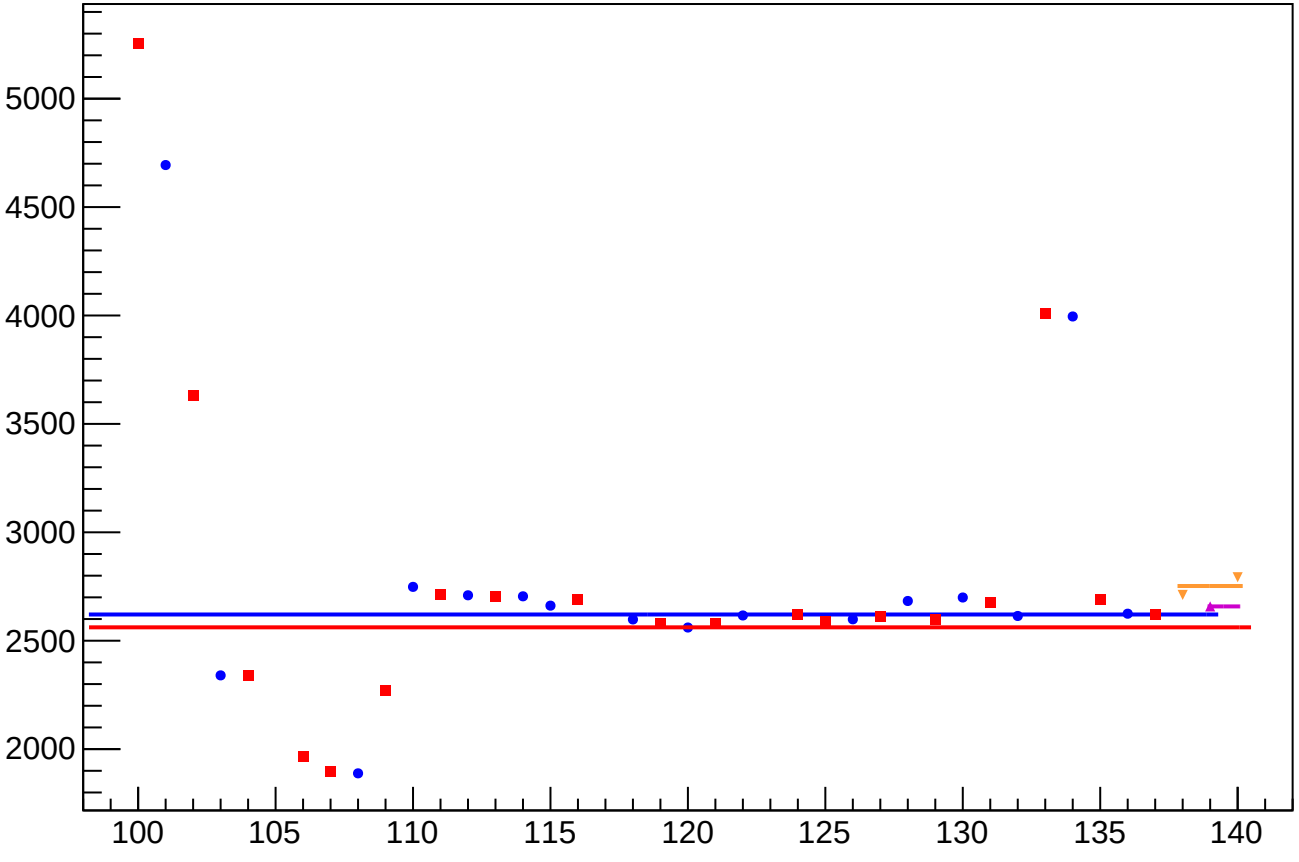
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4324.233+/-937.017 χ^2/NDF:10.1/16

Out: 2107.673+/-881.913 χ^2/NDF:21.1/20

All: 3148.864+/-642.204 χ^2/NDF: 34.1/37

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2752.318+/-1.528 χ^2/NDF:711.8/1

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2658.202+/-2.043 χ^2/NDF:0.0/0

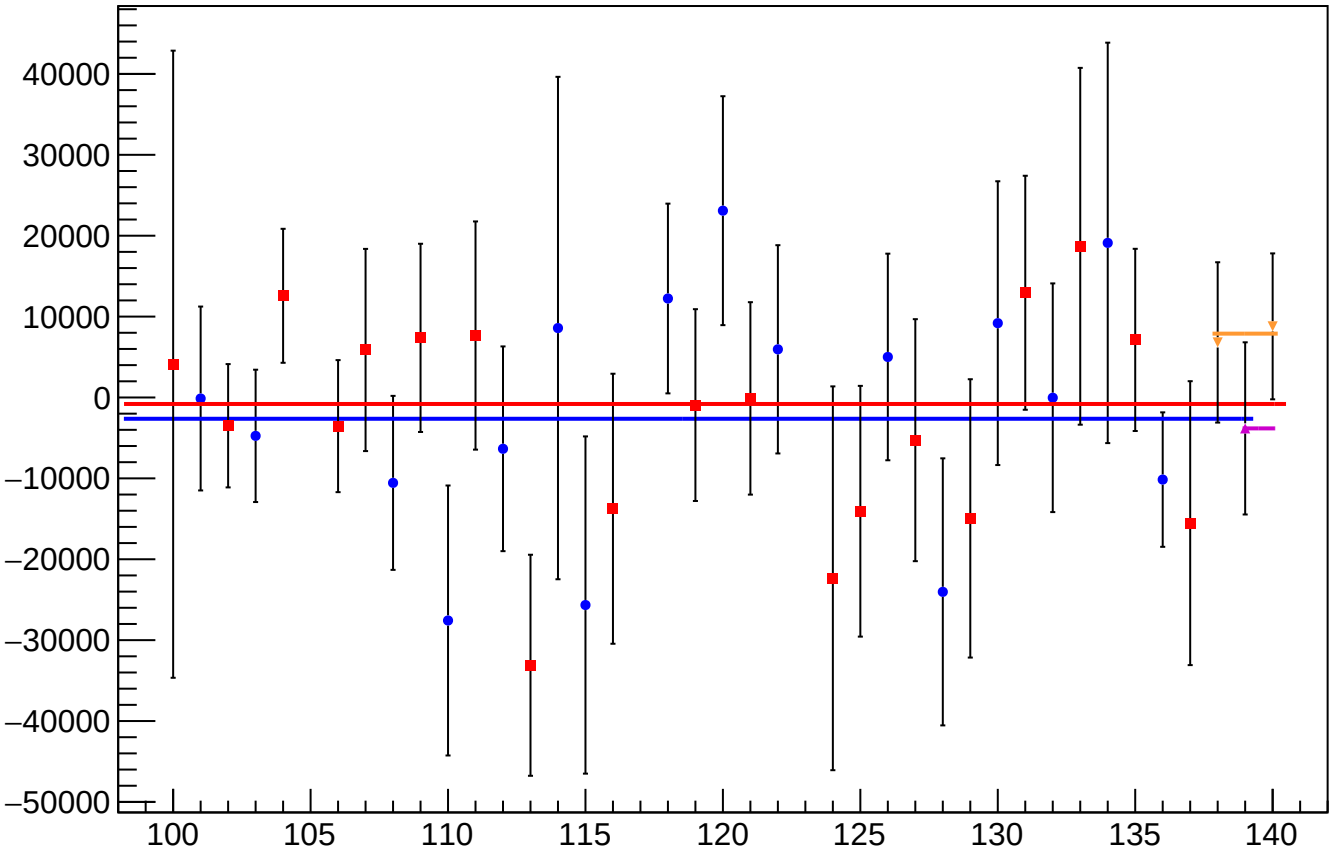
Left: 2718.567+/-1.224 χ^2/NDF: 2072.6/2

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2624.879+/-0.663 χ^2/NDF:486211.6/16

Out: 2593.441+/-0.623 χ^2/NDF:391943.6/20

All: 2608.201+/-0.454 χ^2/NDF: 879349.6/37



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 7892.816+/-6670.972 χ^2/NDF:0.0/1

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: -3821.910+/-10642.835 χ^2/NDF:0.0/0

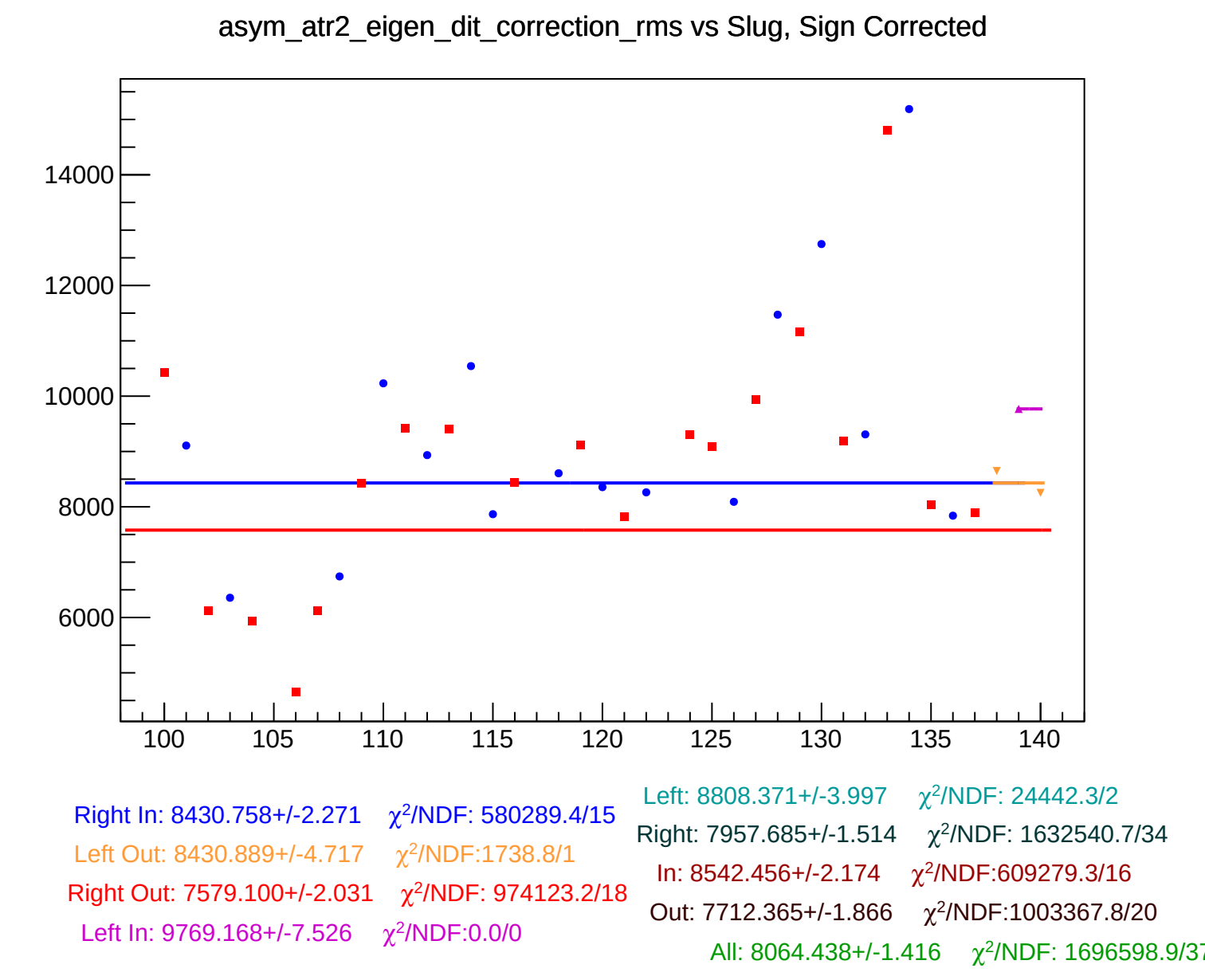
Left: 4588.504+/-5652.385 χ^2/NDF: 0.9/2

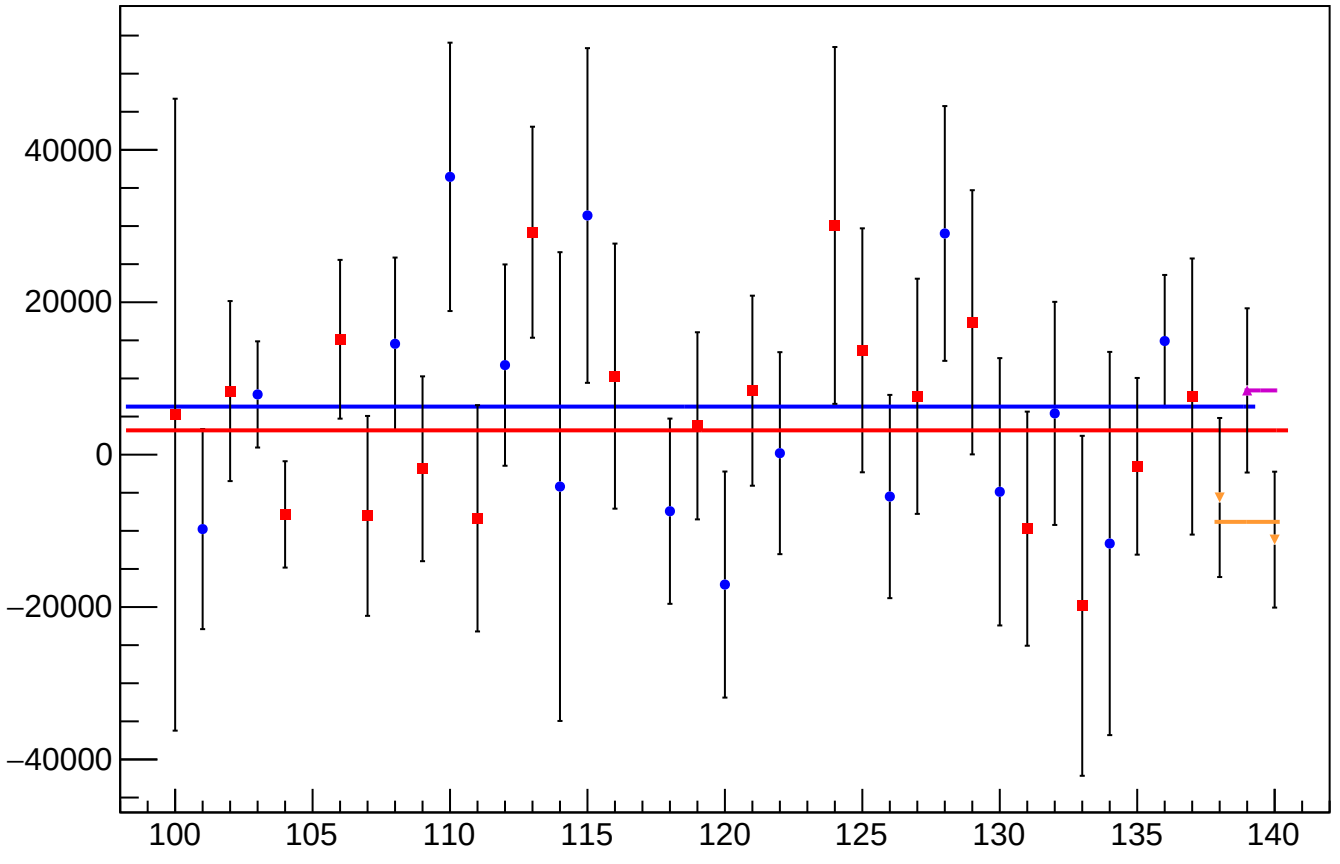
Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -2731.201+/-3074.574 χ^2/NDF:13.8/16

Out: 557.584+/-2638.638 χ^2/NDF:16.9/20

All: -837.317+/-2002.345 χ^2/NDF: 31.3/37


asym_atr2_eigen_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
105
110
115
120
125
130
135
140
Right In: 8430.758+/-2.271 χ²/NDF: 580289.4/15
Left Out: 8430.889+/-4.717 χ²/NDF:1738.8/1
Right Out: 7579.100+/-2.031 χ²/NDF: 974123.2/18
Left In: 9769.168+/-7.526 χ²/NDF:0.0/0
Left: 8808.371+/-3.997 χ²/NDF: 24442.3/2
Right: 7957.685+/-1.514 χ²/NDF: 1632540.7/34
In: 8542.456+/-2.174 χ²/NDF:609279.3/16
Out: 7712.365+/-1.866 χ²/NDF:1003367.8/20
All: 8064.438+/-1.416 χ²/NDF: 1696598.9/37



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -8819.853+/-6780.310 χ^2/NDF:0.2/1

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 8430.452+/-10777.008 χ^2/NDF:0.0/0

Left: -3928.054+/-5738.972 χ^2/NDF: 2.0/2

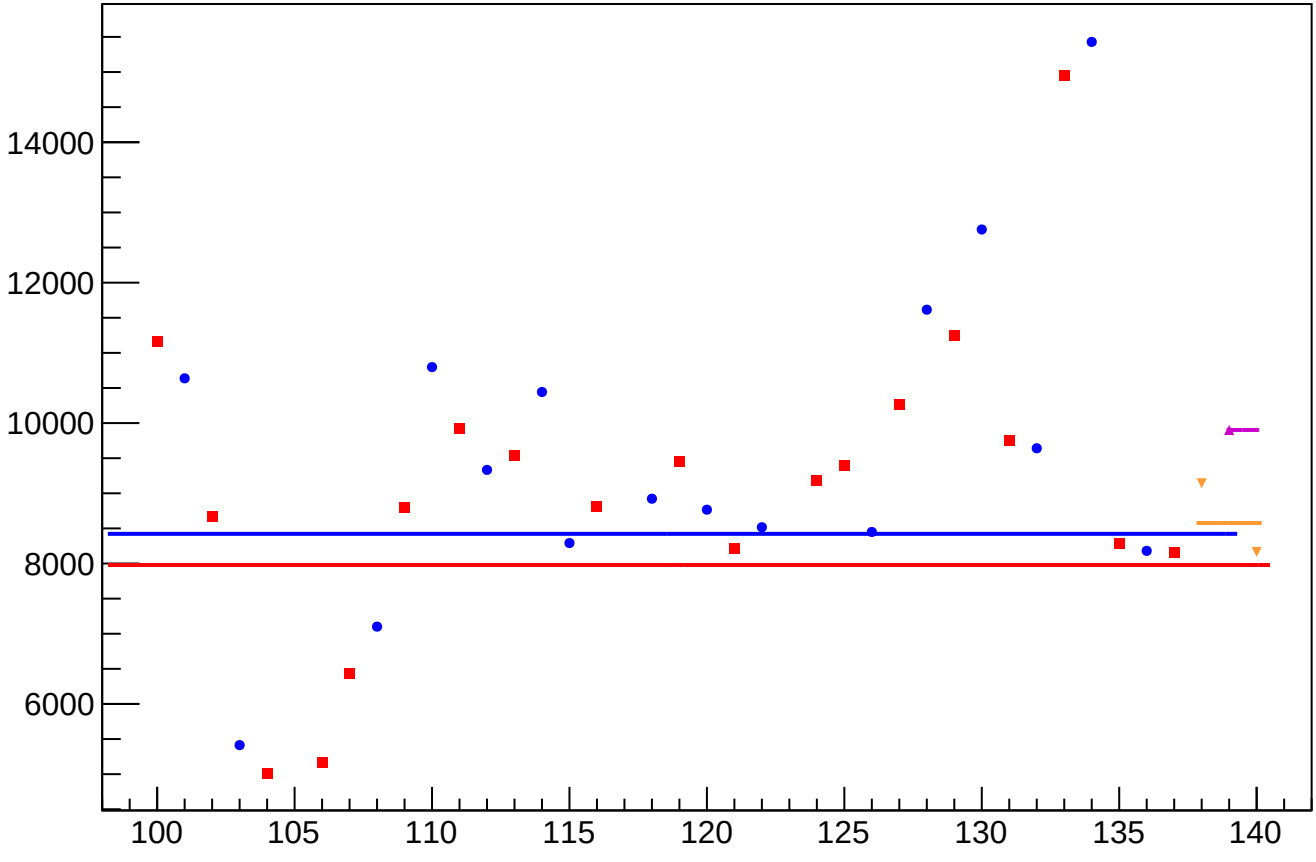
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 6483.019+/-3102.549 χ^2/NDF:15.1/16

Out: 1147.699+/-2795.656 χ^2/NDF:16.7/20

All: 3538.503+/-2076.875 χ^2/NDF: 33.4/37

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8577.347+/-4.794 χ^2/NDF:10157.7/1

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 9902.165+/-7.620 χ^2/NDF:0.0/0

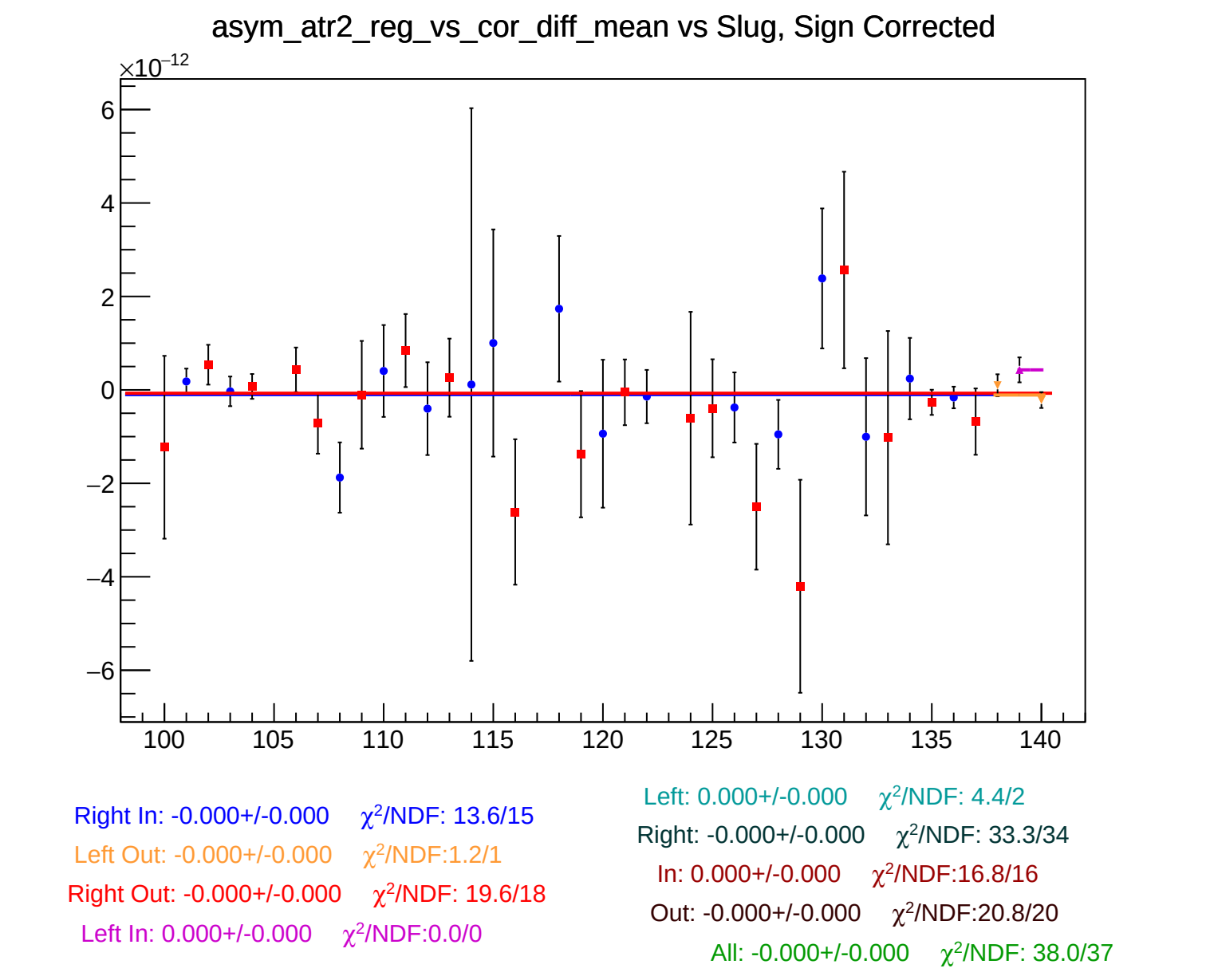
Left: 8953.036+/-4.058 χ^2/NDF: 31810.5/2

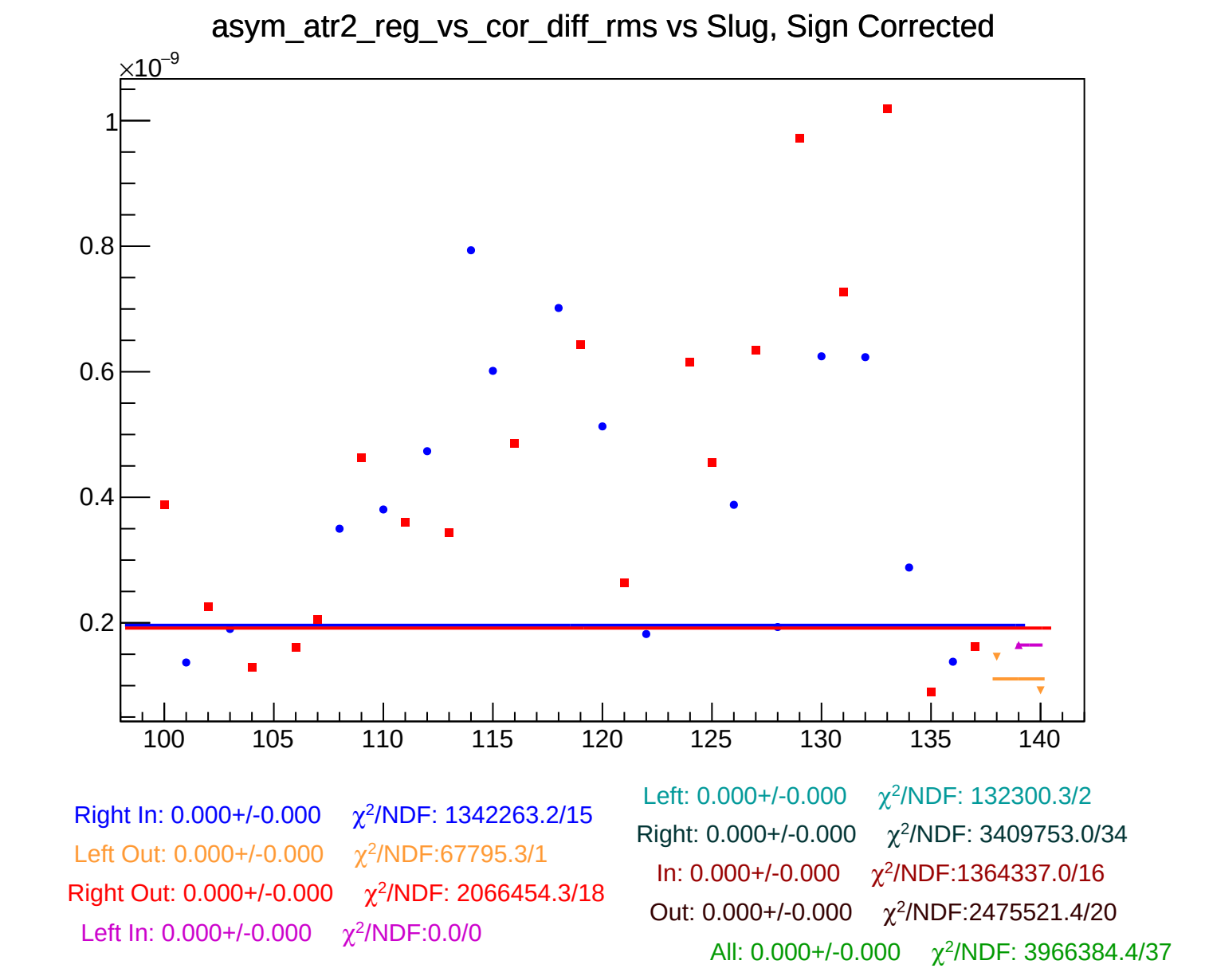
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

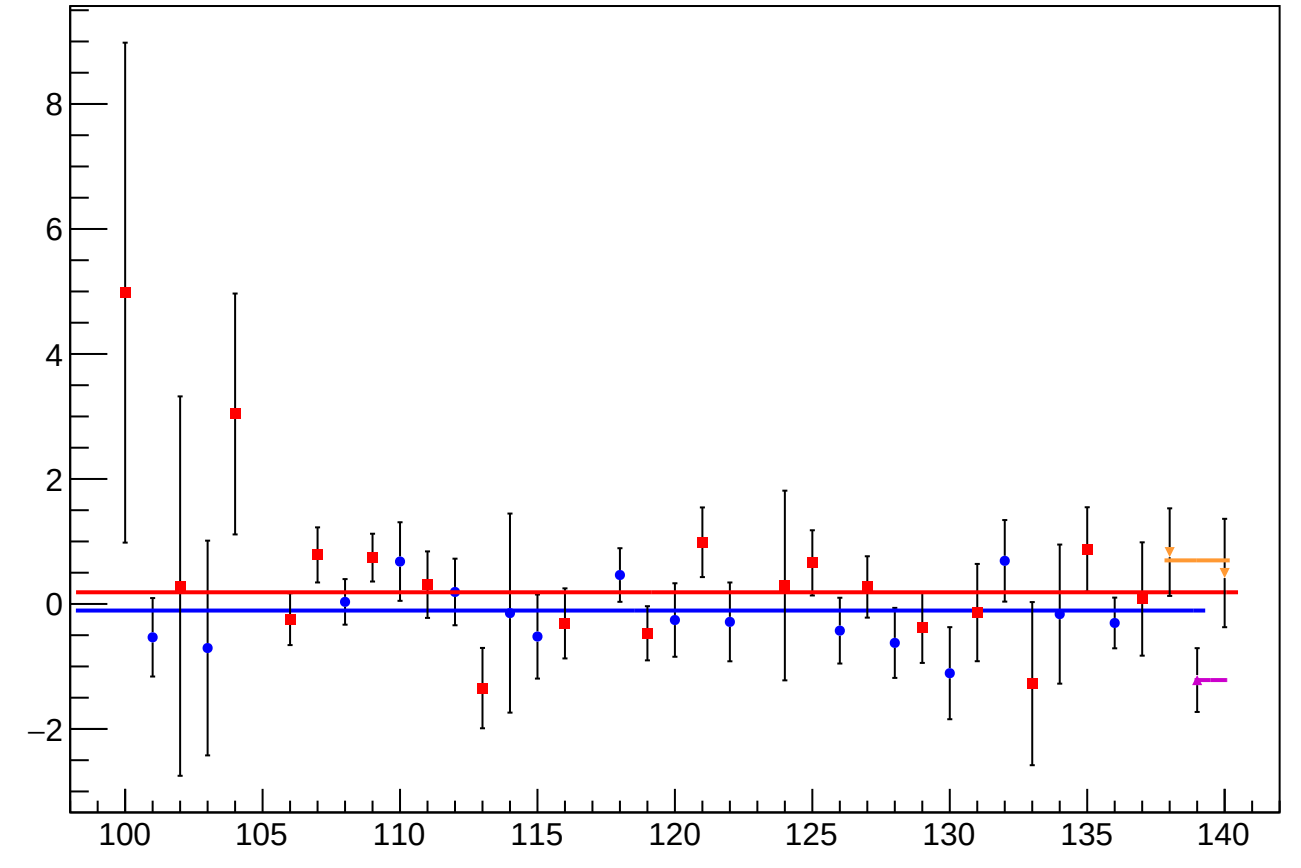
In: 8545.332+/-2.194 χ^2/NDF:916400.7/16

Out: 8080.718+/-1.977 χ^2/NDF:1039104.3/20

All: 8288.912+/-1.469 χ^2/NDF: 1980258.5/37


asym_atr2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:1.2/1
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 4.4/2
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: 0.000+/-0.000 χ²/NDF:16.8/16
Out: -0.000+/-0.000 χ²/NDF:20.8/20
All: -0.000+/-0.000 χ²/NDF: 38.0/37


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:67795.3/1
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 132300.3/2
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:1364337.0/16
Out: 0.000+/-0.000 χ²/NDF:2475521.4/20
All: 0.000+/-0.000 χ²/NDF: 3966384.4/37



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.697+/-0.545 χ^2/NDF:0.1/1

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -1.218+/-0.510 χ^2/NDF:0.0/0

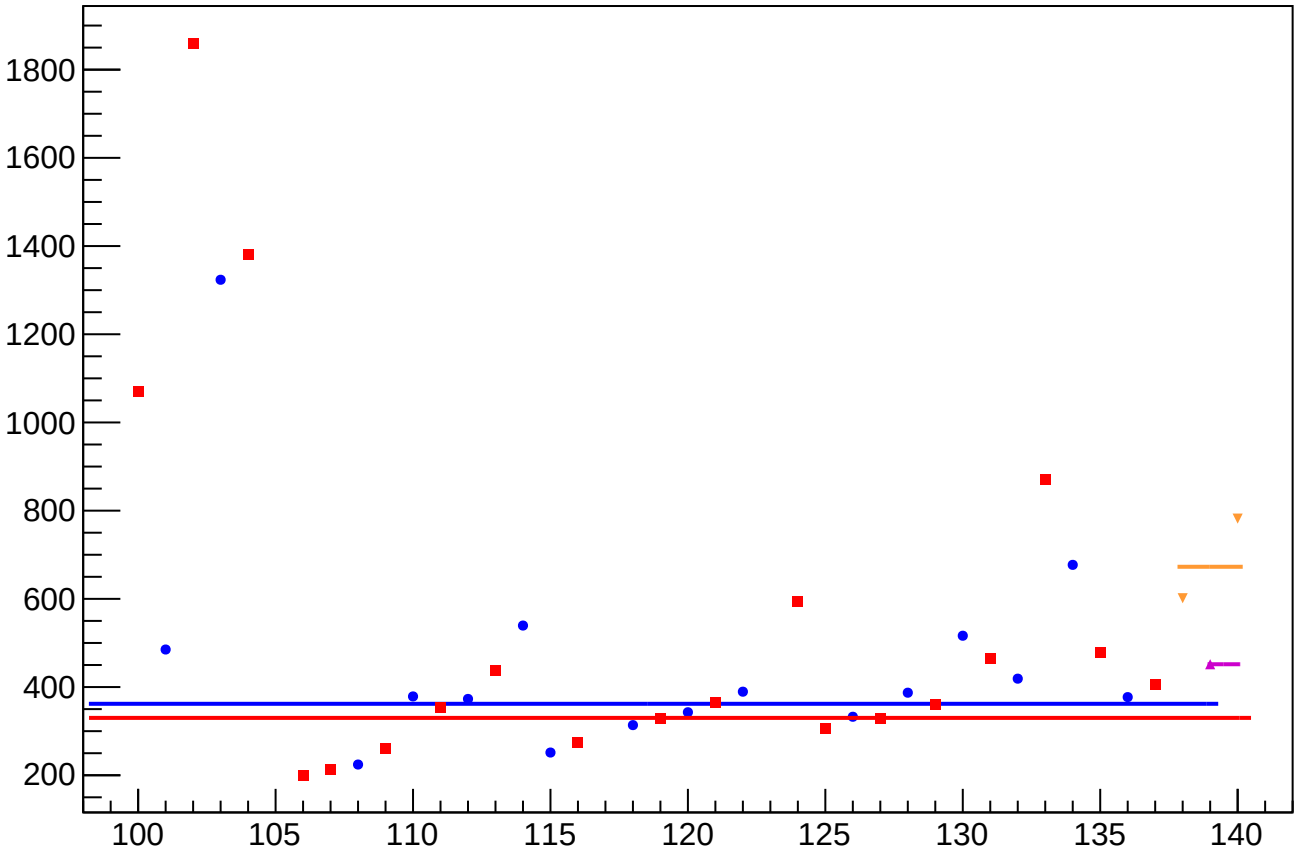
Left: -0.323+/-0.373 χ^2/NDF: 6.7/2

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.188+/-0.139 χ^2/NDF:14.1/16

Out: 0.217+/-0.133 χ^2/NDF:24.8/20

All: 0.023+/-0.096 χ^2/NDF: 43.3/37



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 672.750+/-0.385 χ^2/NDF:52444.1/1

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 451.739+/-0.361 χ^2/NDF:0.0/0

Left: 555.024+/-0.263 χ^2/NDF: 227647.8/2

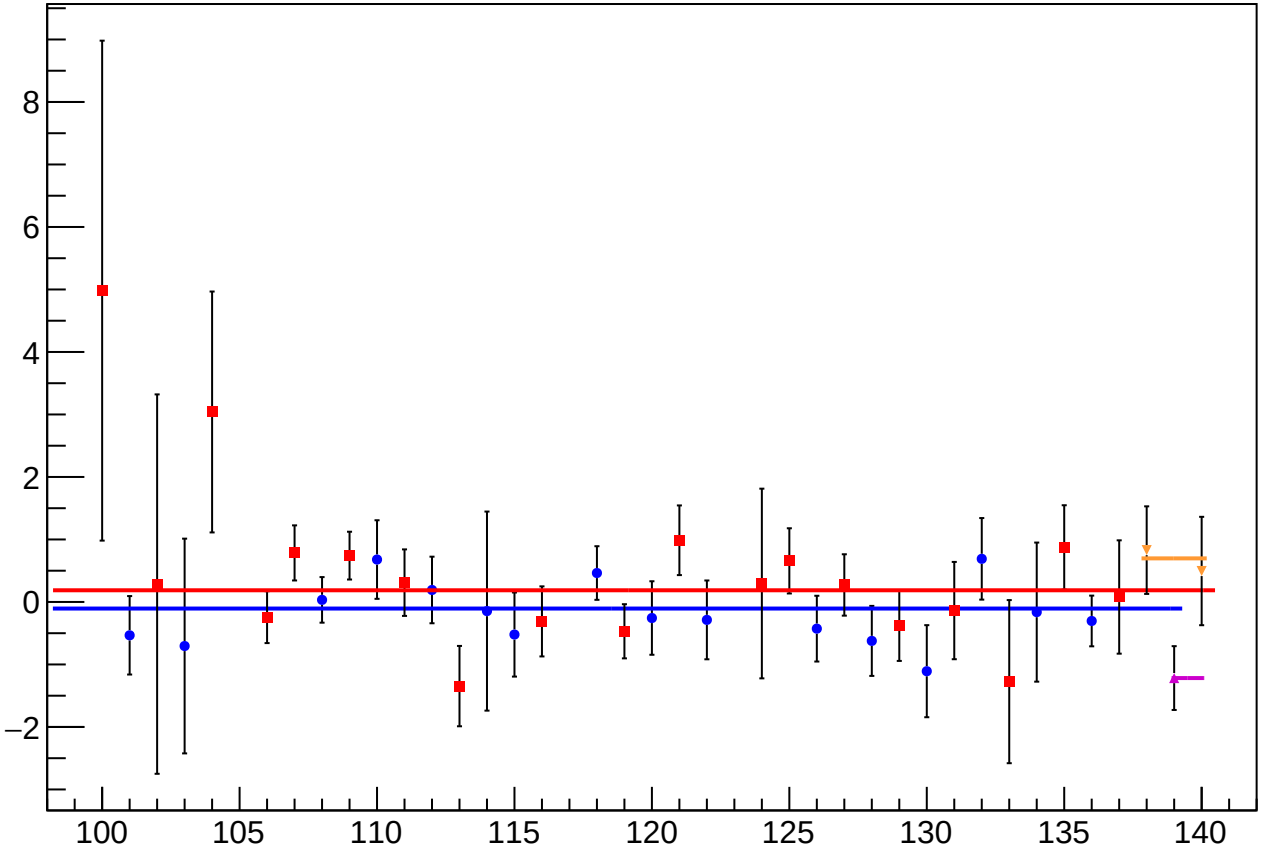
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 368.707+/-0.098 χ^2/NDF:1434495.8/16

Out: 350.566+/-0.094 χ^2/NDF:3042370.9/20

All: 359.240+/-0.068 χ^2/NDF: 4494593.6/37

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.697+/-0.545 χ^2/NDF:0.1/1

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -1.218+/-0.510 χ^2/NDF:0.0/0

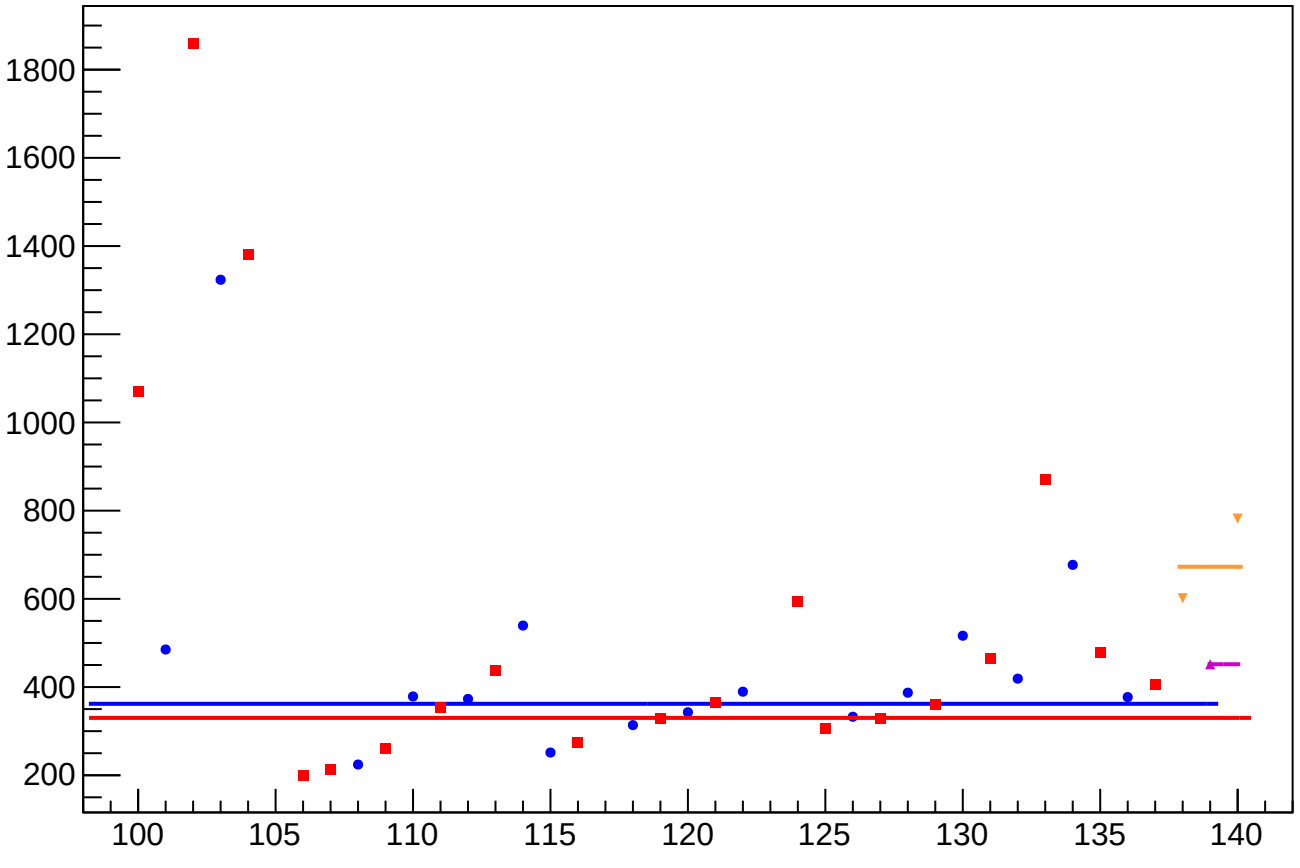
Left: -0.323+/-0.373 χ^2/NDF: 6.7/2

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.188+/-0.139 χ^2/NDF:14.1/16

Out: 0.217+/-0.133 χ^2/NDF:24.8/20

All: 0.023+/-0.096 χ^2/NDF: 43.3/37



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 672.750+/-0.385 χ^2/NDF:52444.1/1

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 451.739+/-0.361 χ^2/NDF:0.0/0

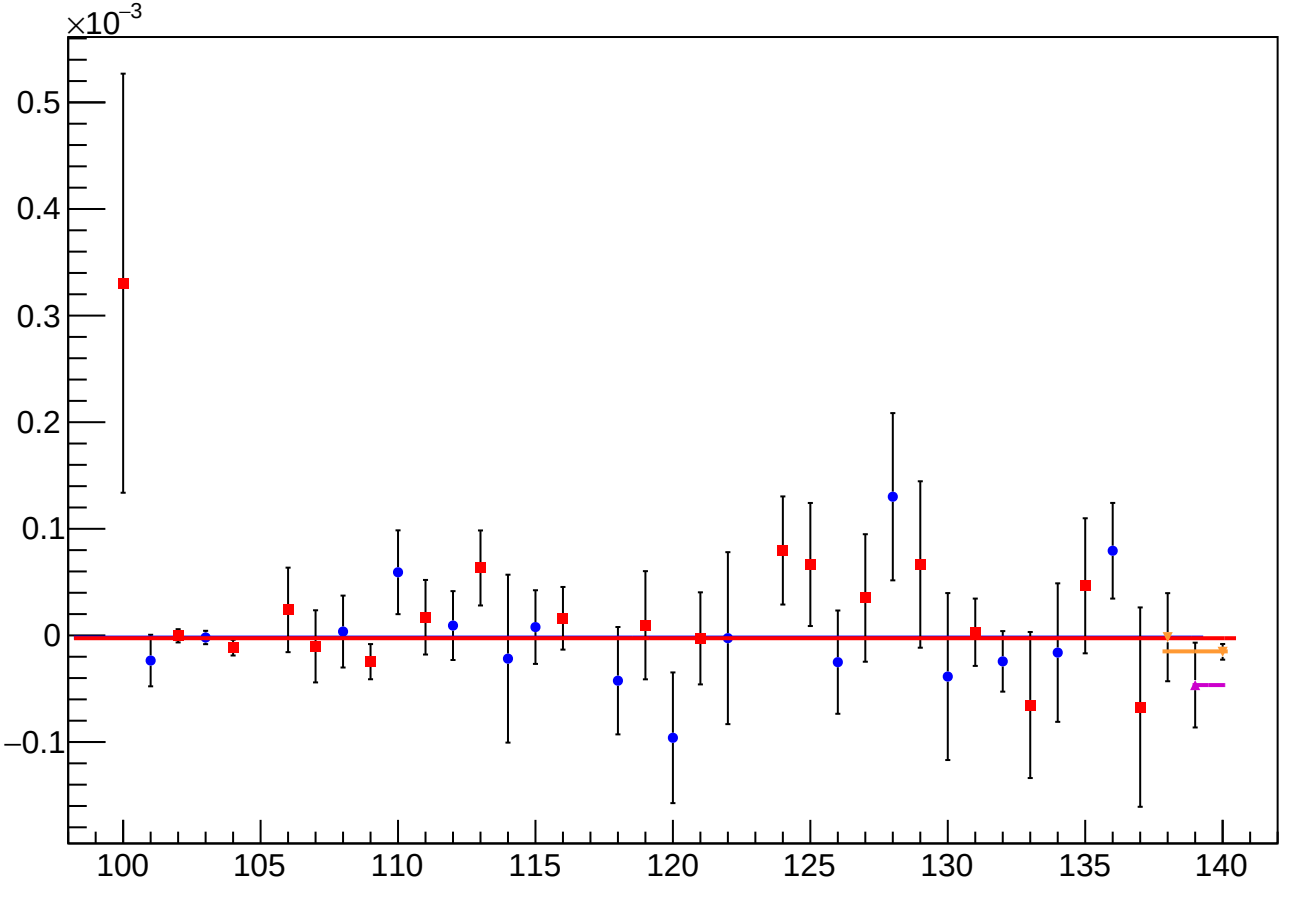
Left: 555.024+/-0.263 χ^2/NDF: 227647.8/2

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 368.707+/-0.098 χ^2/NDF:1434495.8/16

Out: 350.566+/-0.094 χ^2/NDF:3042370.9/20

All: 359.240+/-0.068 χ^2/NDF: 4494593.6/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

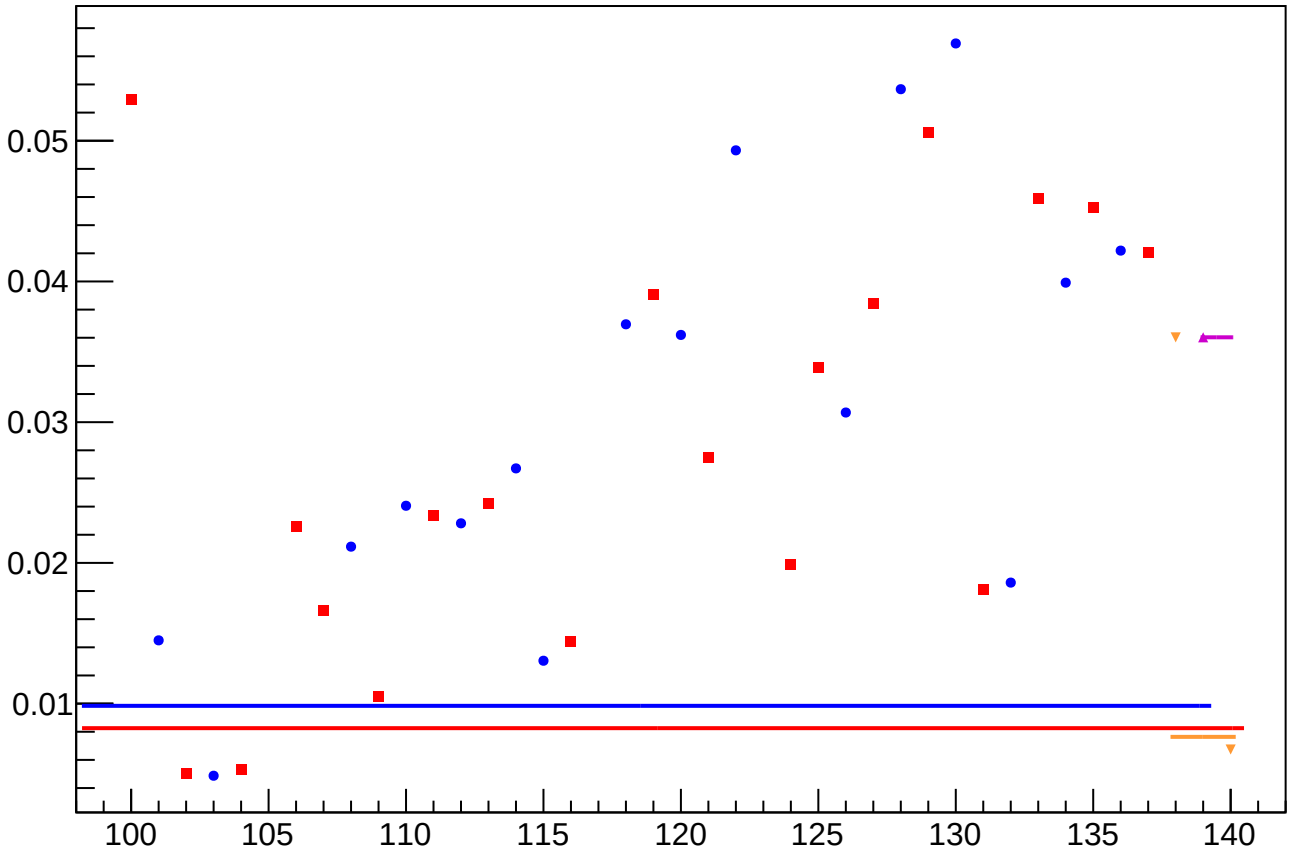
Left: -0.000+/-0.000 χ^2/NDF: 0.7/2

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:15.0/16

Out: -0.000+/-0.000 χ^2/NDF:20.5/20

All: -0.000+/-0.000 χ^2/NDF: 35.7/37



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:974024.4/1

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.036+/-0.000 χ^2/NDF:0.0/0

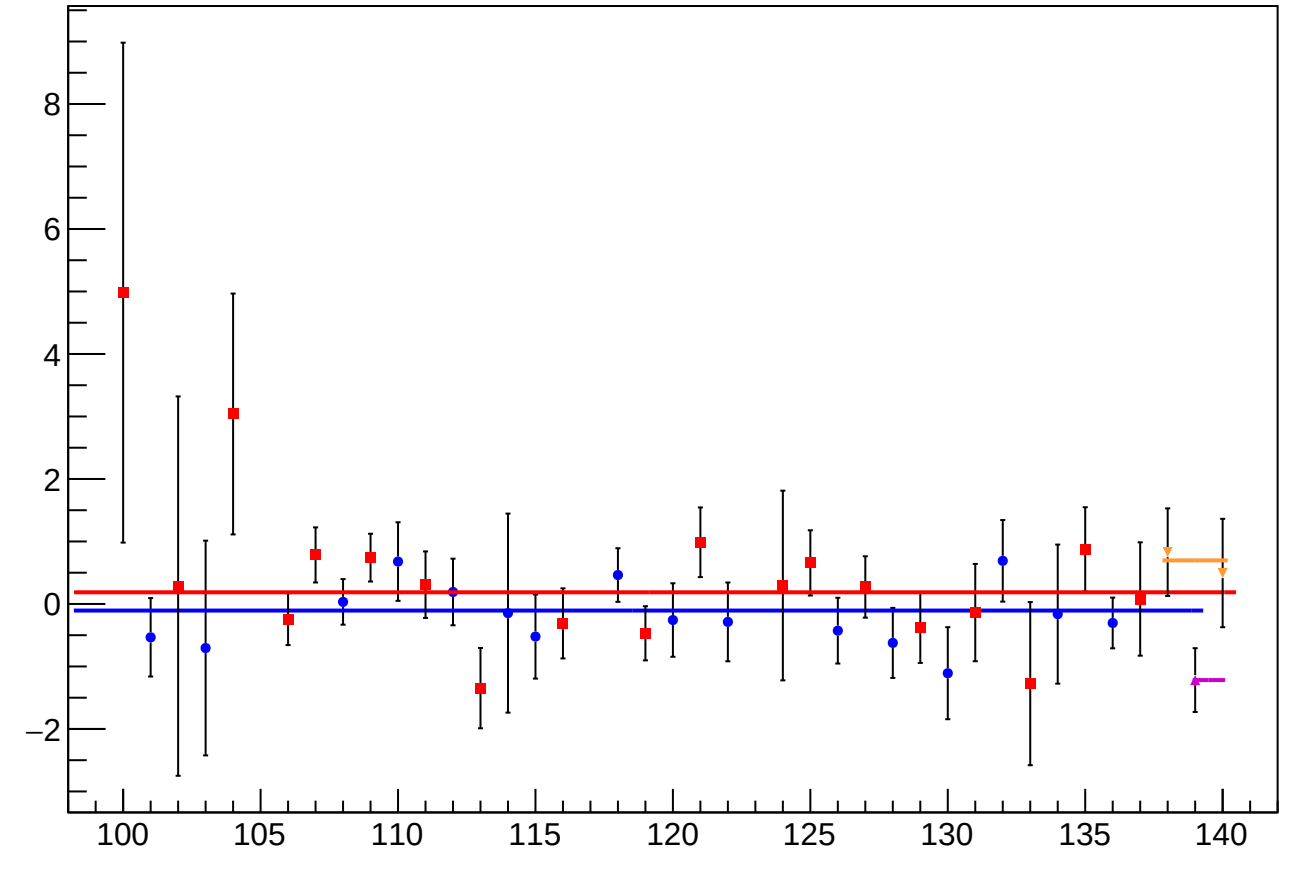
Left: 0.009+/-0.000 χ^2/NDF: 1960865.2/2

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.010+/-0.000 χ^2/NDF:7903948.7/16

Out: 0.008+/-0.000 χ^2/NDF:7725872.1/20

All: 0.009+/-0.000 χ^2/NDF: 15864214.5/37



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.697+/-0.545 χ^2/NDF:0.1/1

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -1.218+/-0.510 χ^2/NDF:0.0/0

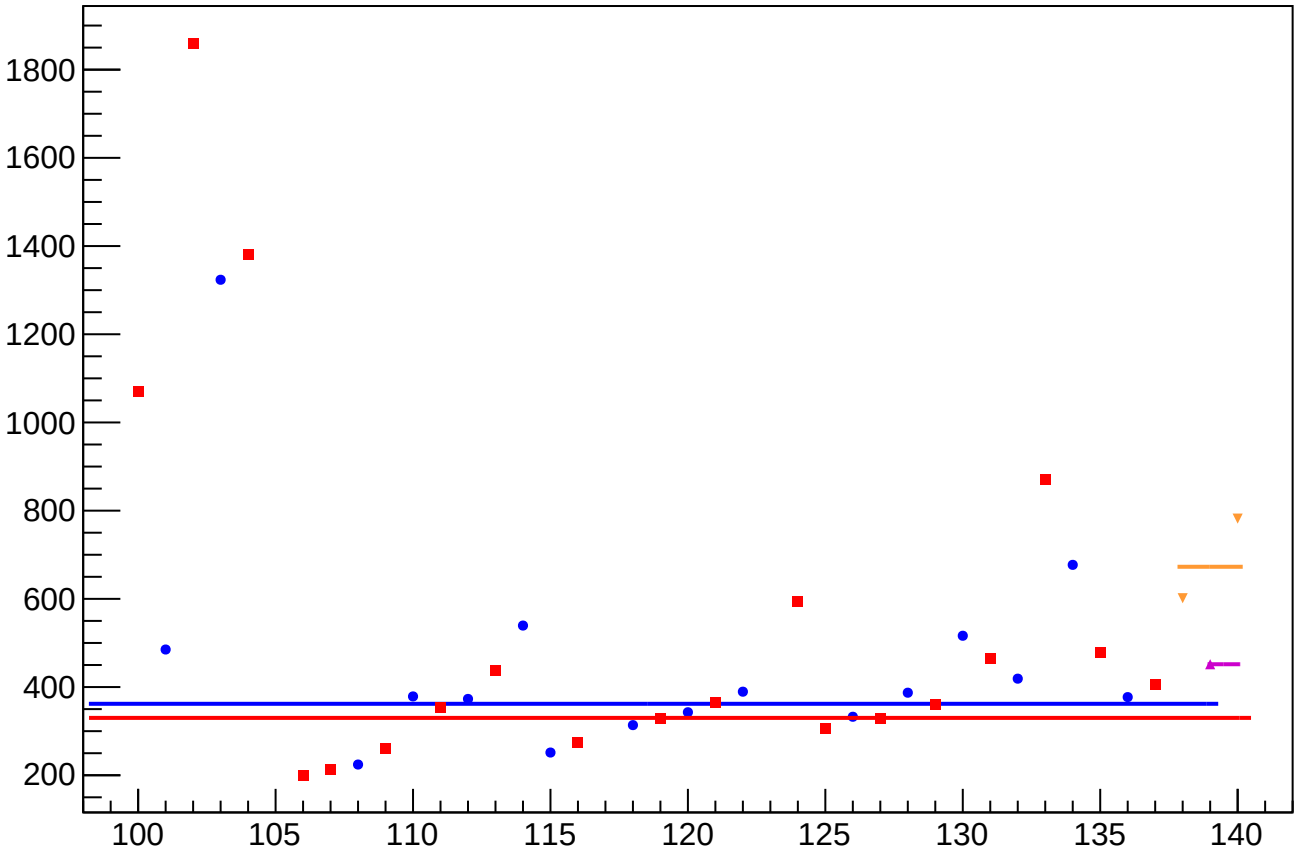
Left: -0.323+/-0.373 χ^2/NDF: 6.7/2

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.188+/-0.139 χ^2/NDF:14.1/16

Out: 0.217+/-0.133 χ^2/NDF:24.8/20

All: 0.023+/-0.096 χ^2/NDF: 43.3/37



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 672.757+/-0.385 χ^2/NDF:52436.6/1

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 451.746+/-0.361 χ^2/NDF:0.0/0

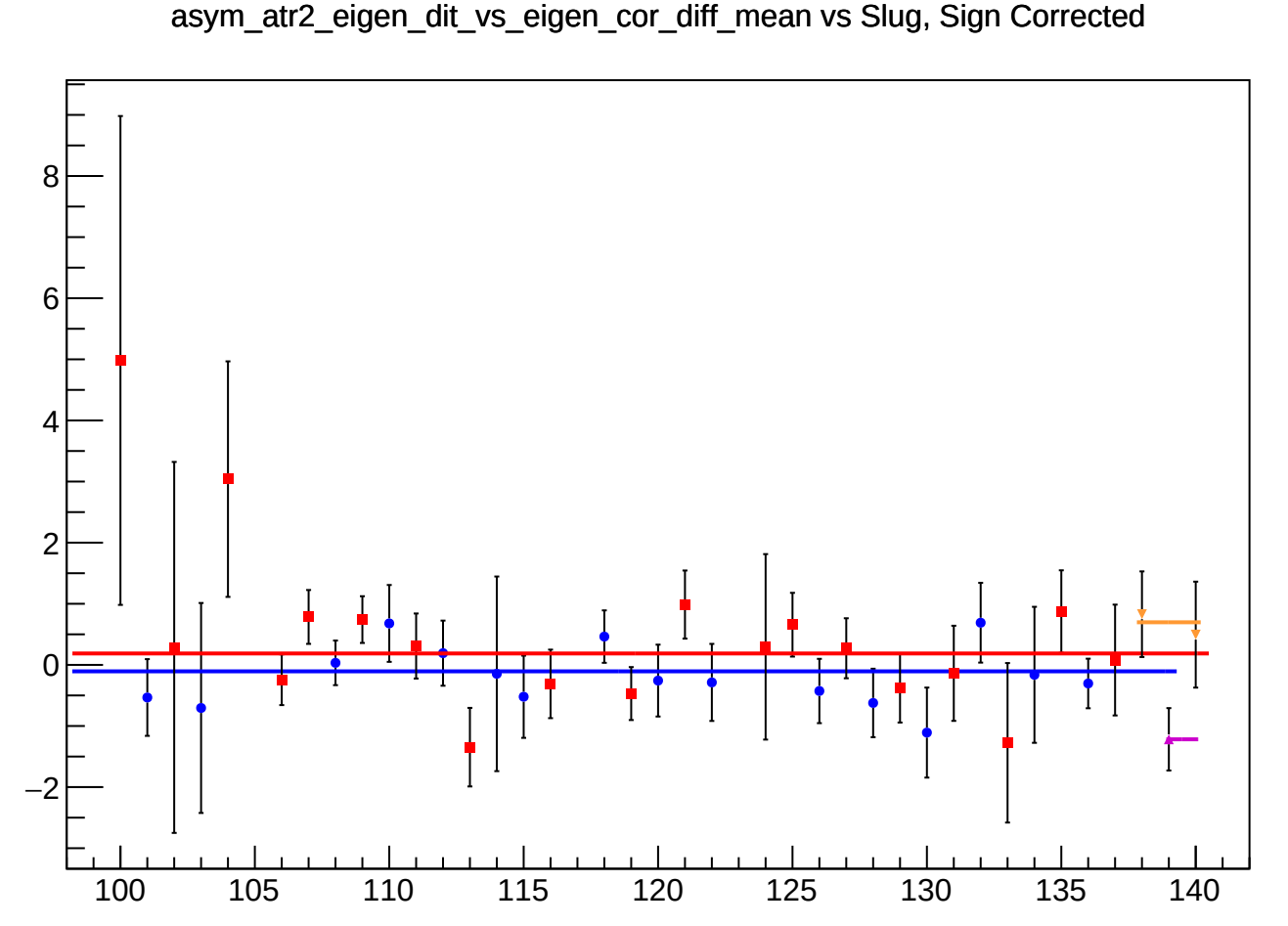
Left: 555.032+/-0.263 χ^2/NDF: 227635.0/2

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 368.705+/-0.098 χ^2/NDF:1434510.2/16

Out: 350.565+/-0.094 χ^2/NDF:3042378.9/20

All: 359.238+/-0.068 χ^2/NDF: 4494614.5/37



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.697+/-0.545 χ^2/NDF:0.1/1

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -1.218+/-0.510 χ^2/NDF:0.0/0

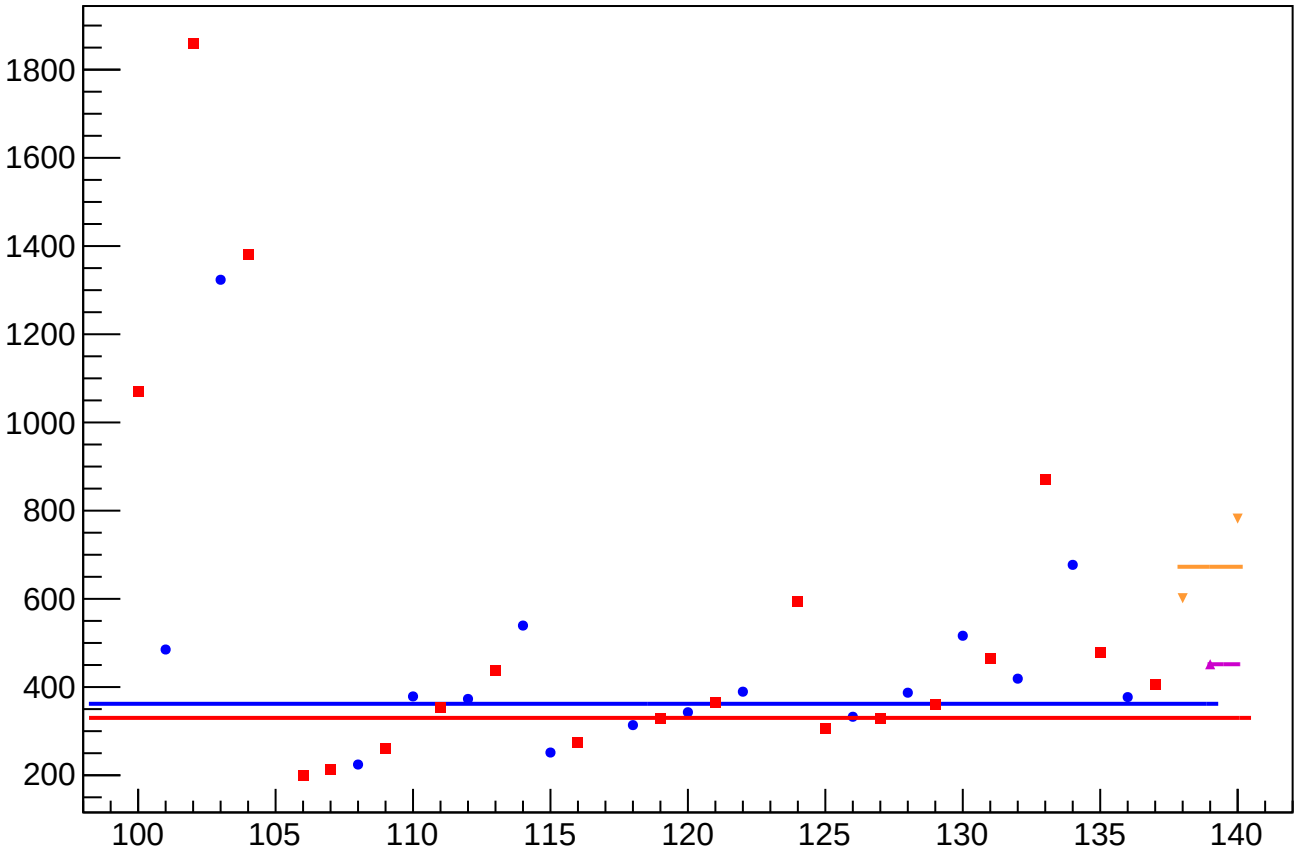
Left: -0.323+/-0.373 χ^2/NDF: 6.7/2

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.188+/-0.139 χ^2/NDF:14.1/16

Out: 0.217+/-0.133 χ^2/NDF:24.8/20

All: 0.023+/-0.096 χ^2/NDF: 43.3/37



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 672.757+/-0.385 χ^2/NDF:52436.6/1

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 451.746+/-0.361 χ^2/NDF:0.0/0

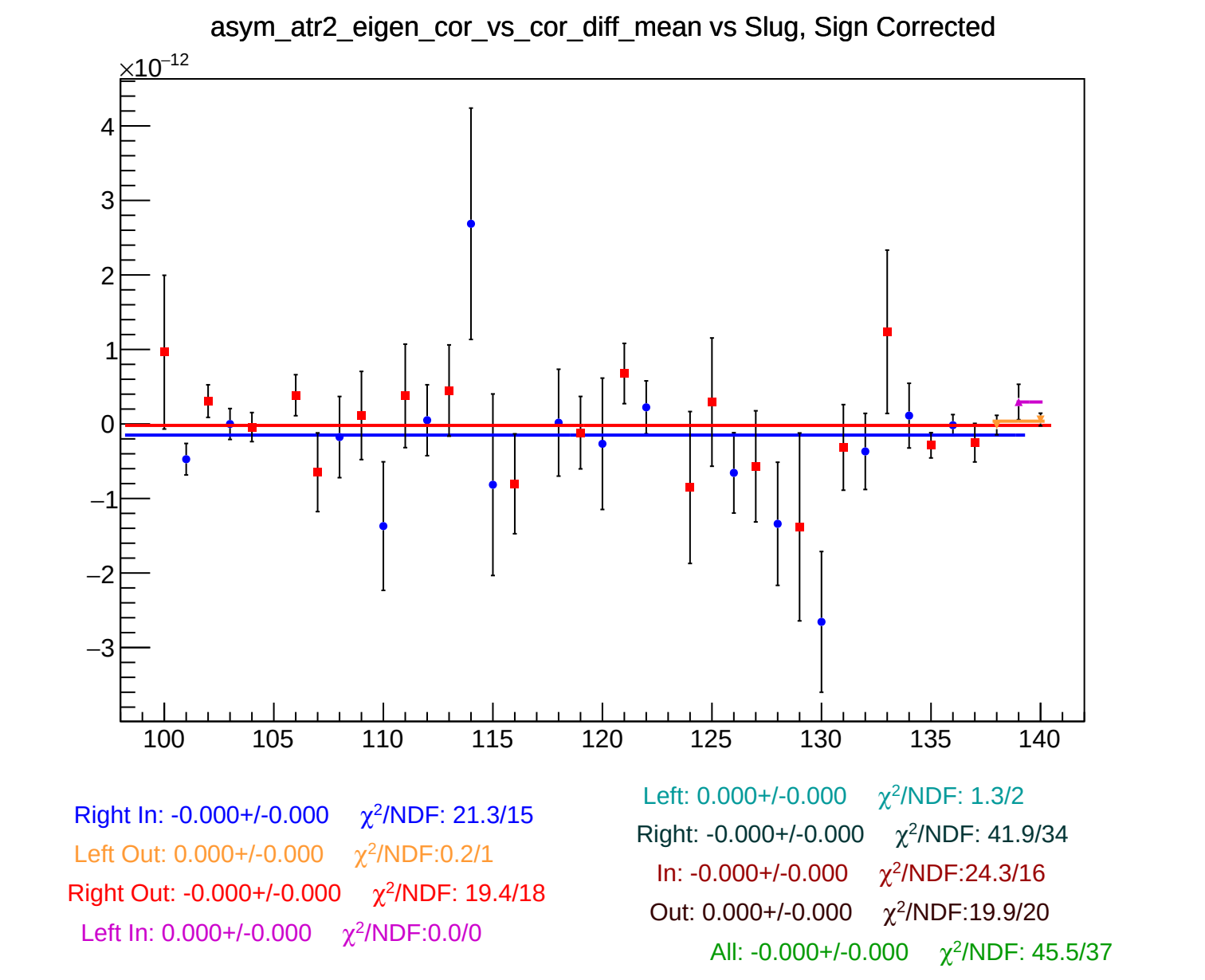
Left: 555.032+/-0.263 χ^2/NDF: 227635.0/2

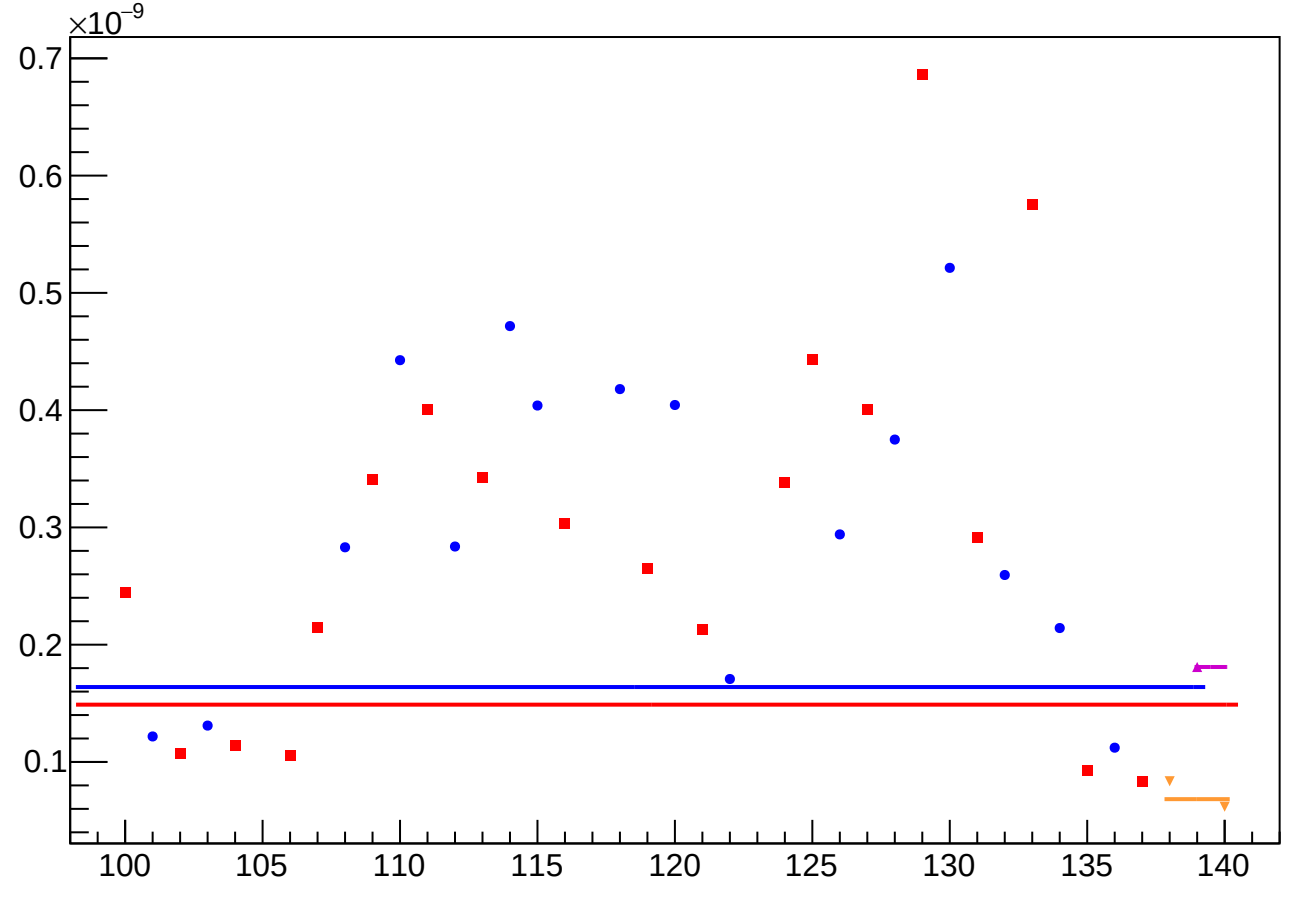
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 368.705+/-0.098 χ^2/NDF:1434510.2/16

Out: 350.565+/-0.094 χ^2/NDF:3042378.9/20

All: 359.238+/-0.068 χ^2/NDF: 4494614.5/37


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:0.2/1
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 1.3/2
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:24.3/16
Out: 0.000+/-0.000 χ²/NDF:19.9/20
All: -0.000+/-0.000 χ²/NDF: 45.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:38774.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

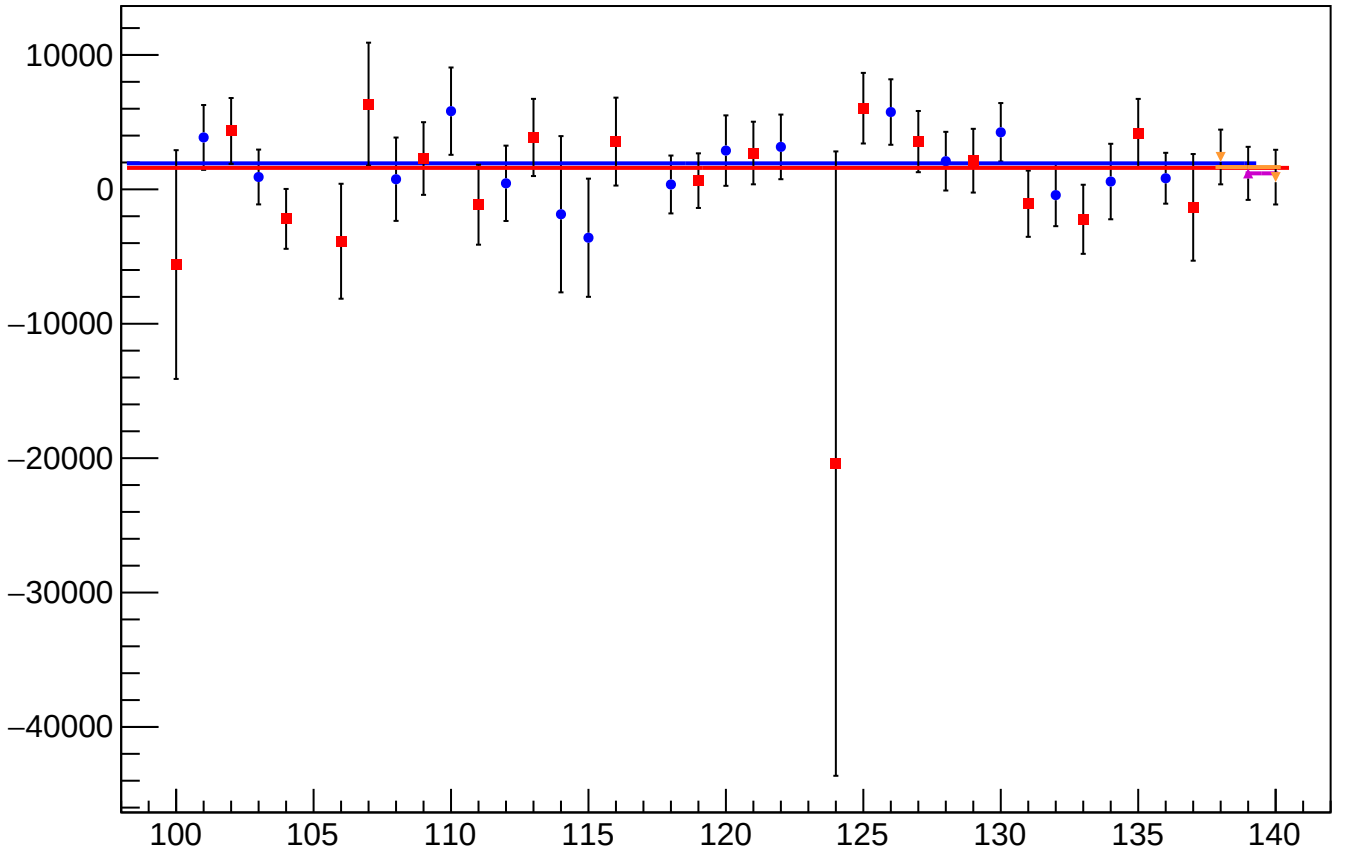
Left: 0.000+/-0.000 χ^2/NDF: 451498.9/2

Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:2020331.4/16

Out: 0.000+/-0.000 χ^2/NDF:3961373.9/20

All: 0.000+/-0.000 χ^2/NDF: 6821123.3/37



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1658.757+/-1439.052 χ^2/NDF:0.3/1

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 1190.518+/-1973.718 χ^2/NDF:0.0/0

Left: 1496.238+/-1162.798 χ^2/NDF: 0.3/2

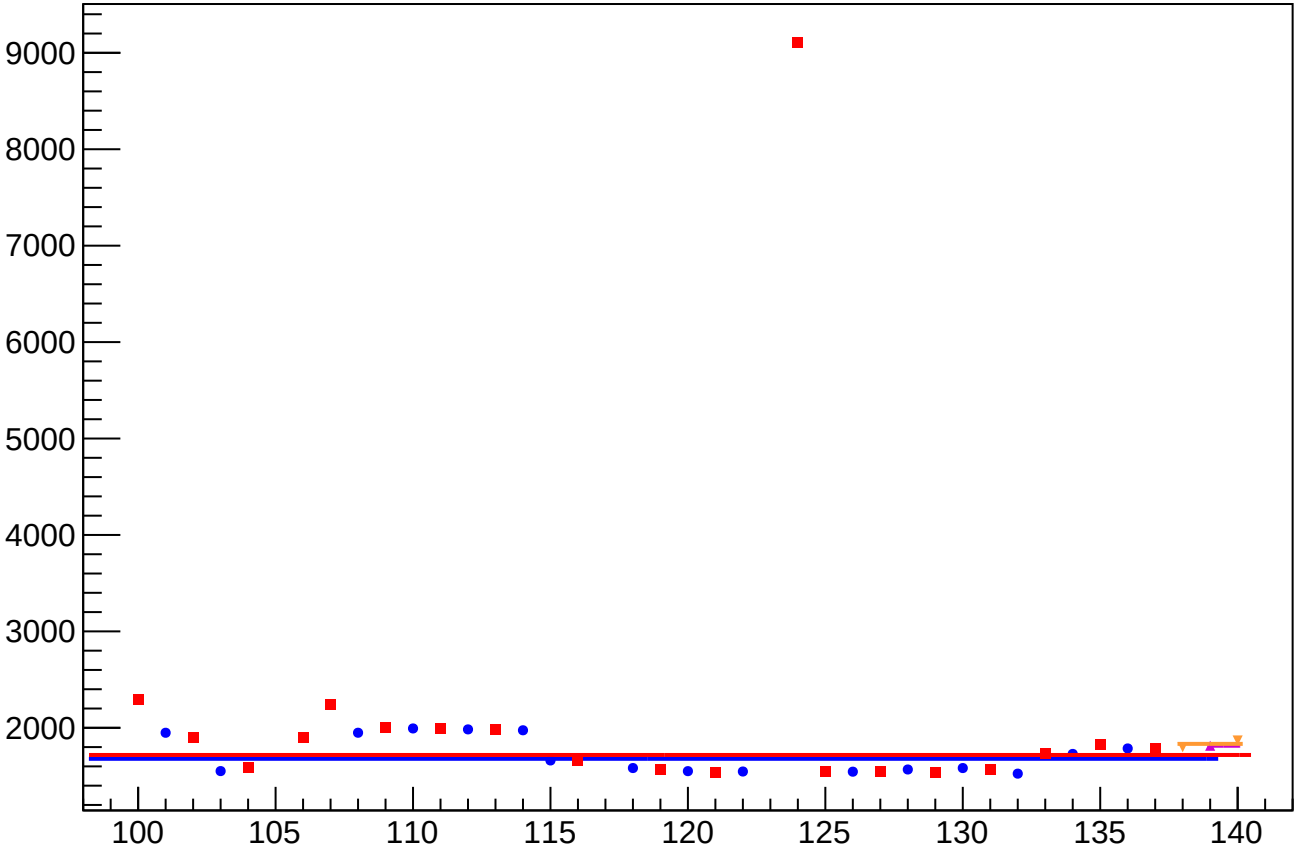
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 1866.361+/-598.329 χ^2/NDF:11.0/16

Out: 1608.057+/-586.458 χ^2/NDF:19.7/20

All: 1734.621+/-418.822 χ^2/NDF: 30.8/37

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1833.352+/-1.018 χ^2/NDF:1198.1/1

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1814.089+/-1.396 χ^2/NDF:0.0/0

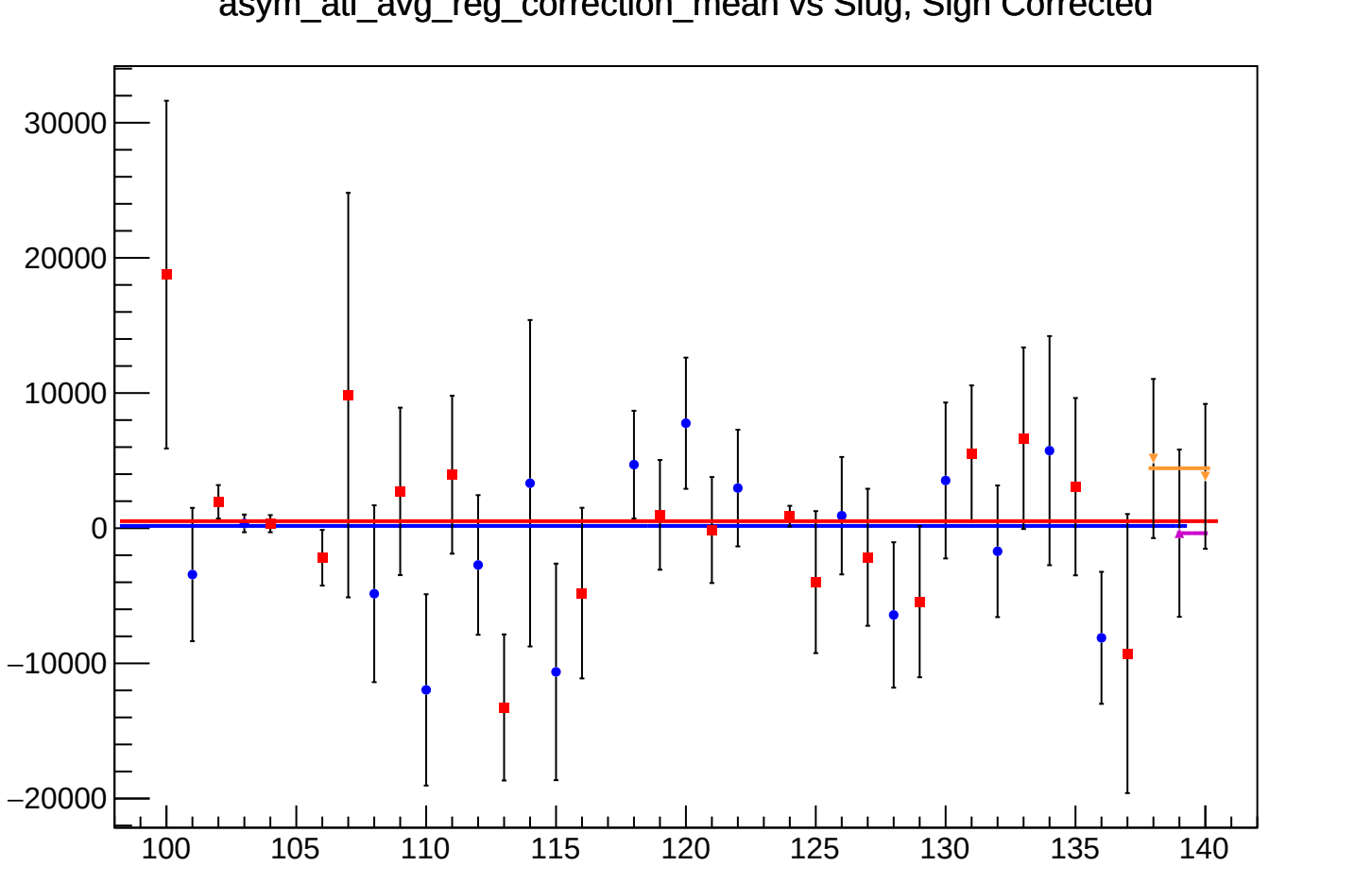
Left: 1826.666+/-0.822 χ^2/NDF: 1322.5/2

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1690.999+/-0.423 χ^2/NDF:150048.4/16

Out: 1737.268+/-0.413 χ^2/NDF:395052.7/20

All: 1714.688+/-0.296 χ^2/NDF: 551224.4/37



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: 4434.279+/-3963.633 χ^2/NDF:0.0/1

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: -368.459+/-6188.812 χ^2/NDF:0.0/0

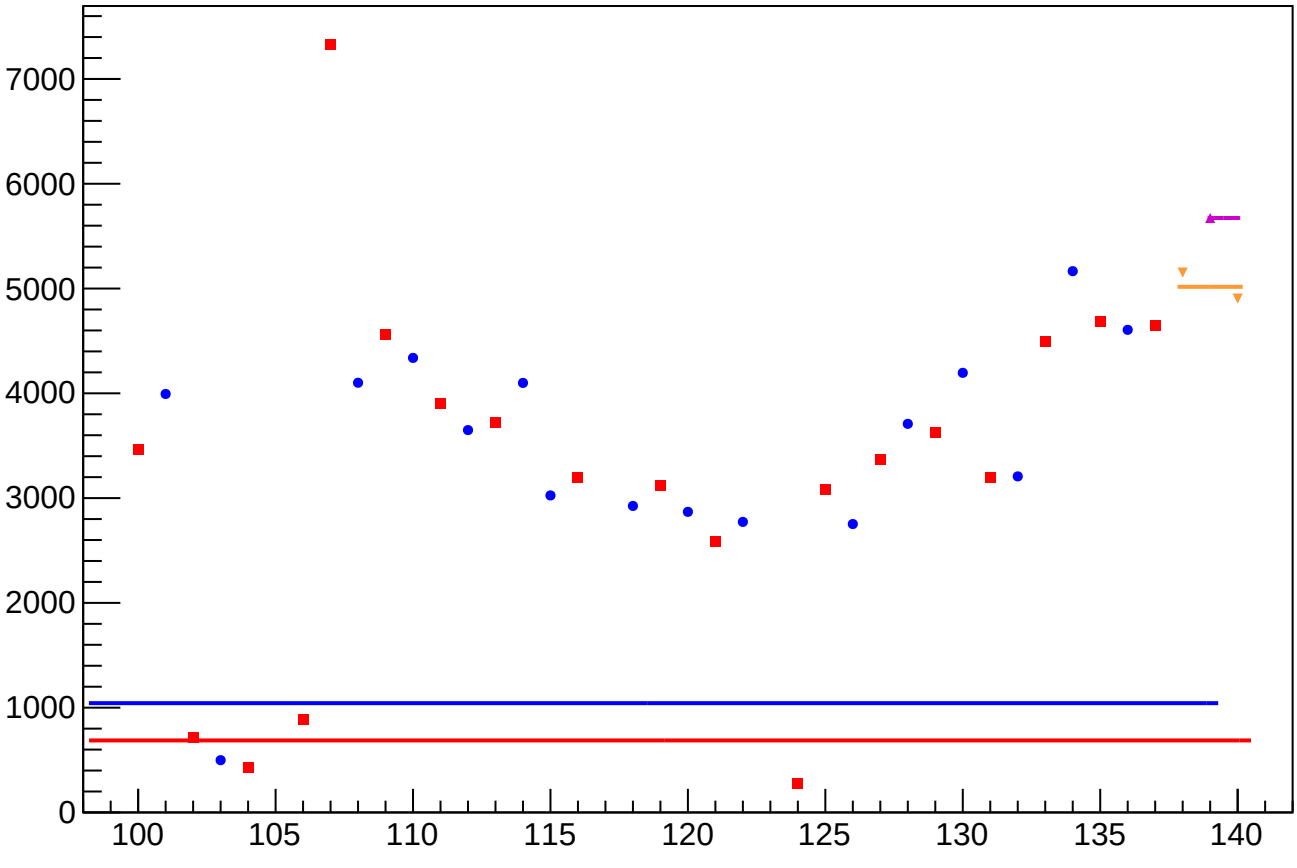
Left: 3037.308+/-3337.771 χ^2/NDF: 0.5/2

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 163.422+/-588.922 χ^2/NDF:15.8/16

Out: 565.515+/-422.364 χ^2/NDF:19.5/20

All: 428.944+/-343.221 χ^2/NDF: 35.7/37



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 5016.467+/-2.803 χ^2/NDF:1954.1/1

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5673.267+/-4.376 χ^2/NDF:0.0/0

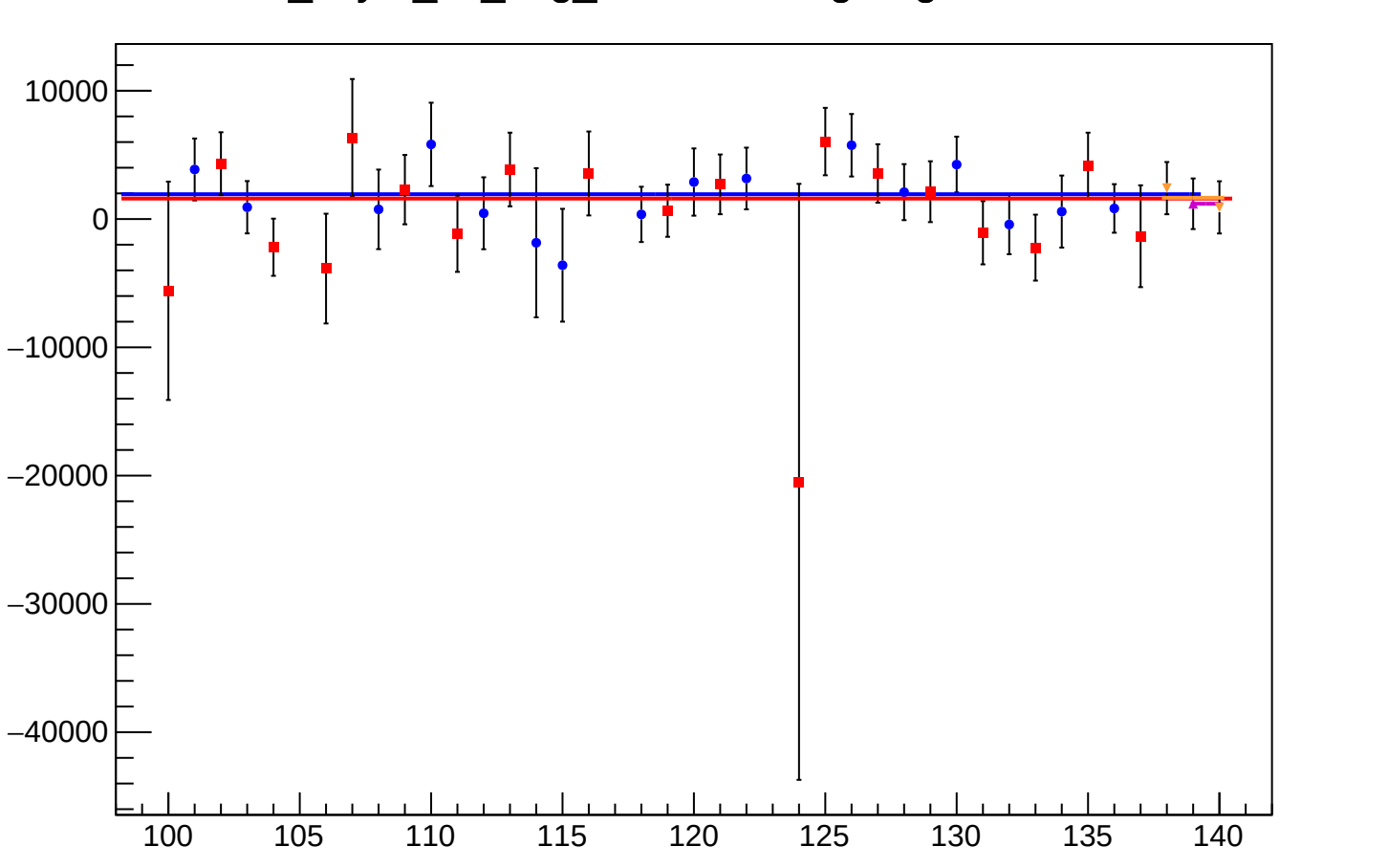
Left: 5207.510+/-2.360 χ^2/NDF: 17927.8/2

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1085.044+/-0.416 χ^2/NDF:9221212.9/16

Out: 736.487+/-0.299 χ^2/NDF:10992257.7/20

All: 854.874+/-0.243 χ^2/NDF: 20676104.2/37



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1658.894+/-1439.052 χ^2/NDF:0.3/1

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 1190.572+/-1973.718 χ^2/NDF:0.0/0

Left: 1496.346+/-1162.798 χ^2/NDF: 0.3/2

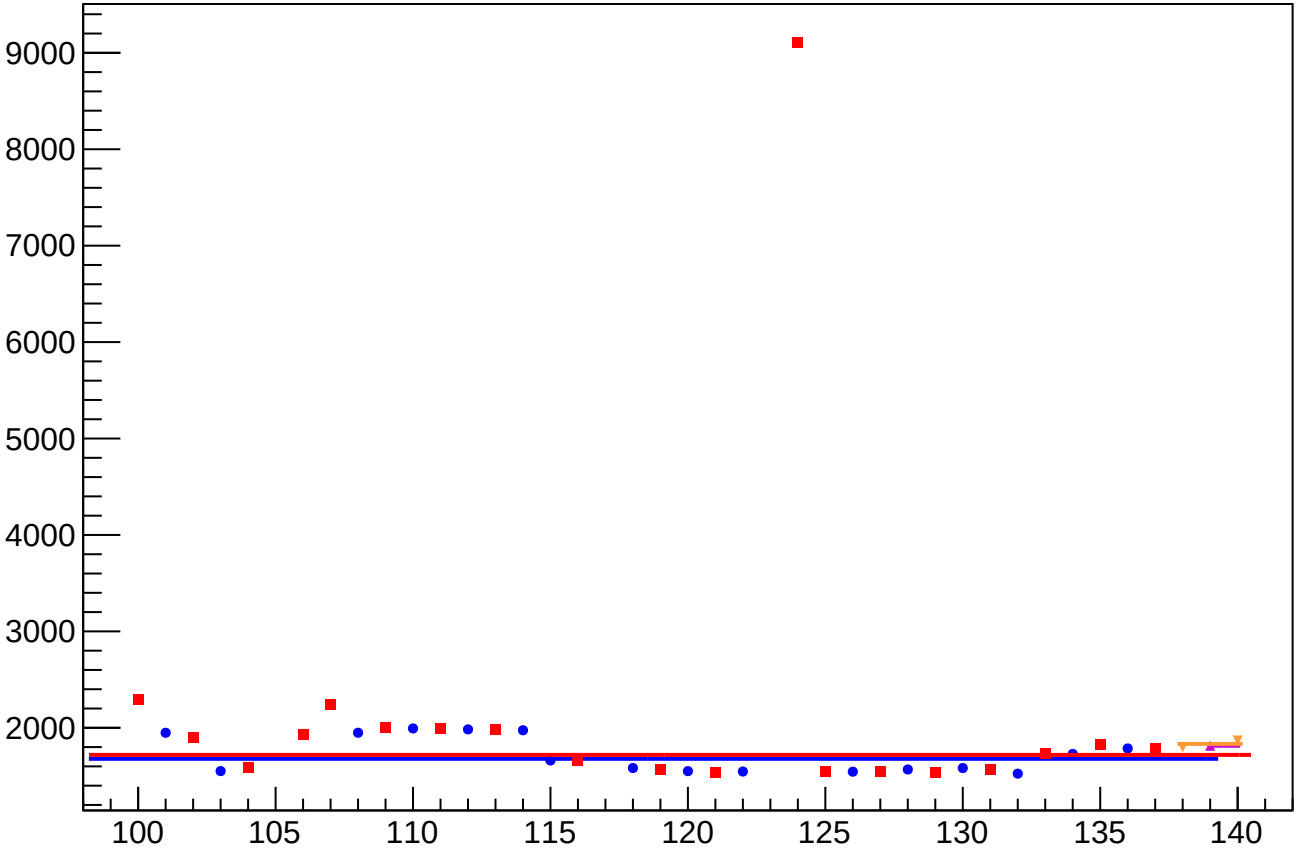
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1866.471+/-598.329 χ^2/NDF:11.0/16

Out: 1606.046+/-586.462 χ^2/NDF:19.7/20

All: 1733.650+/-418.824 χ^2/NDF: 30.8/37

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1833.352+/-1.018 χ^2/NDF:1198.1/1

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1814.089+/-1.396 χ^2/NDF:0.0/0

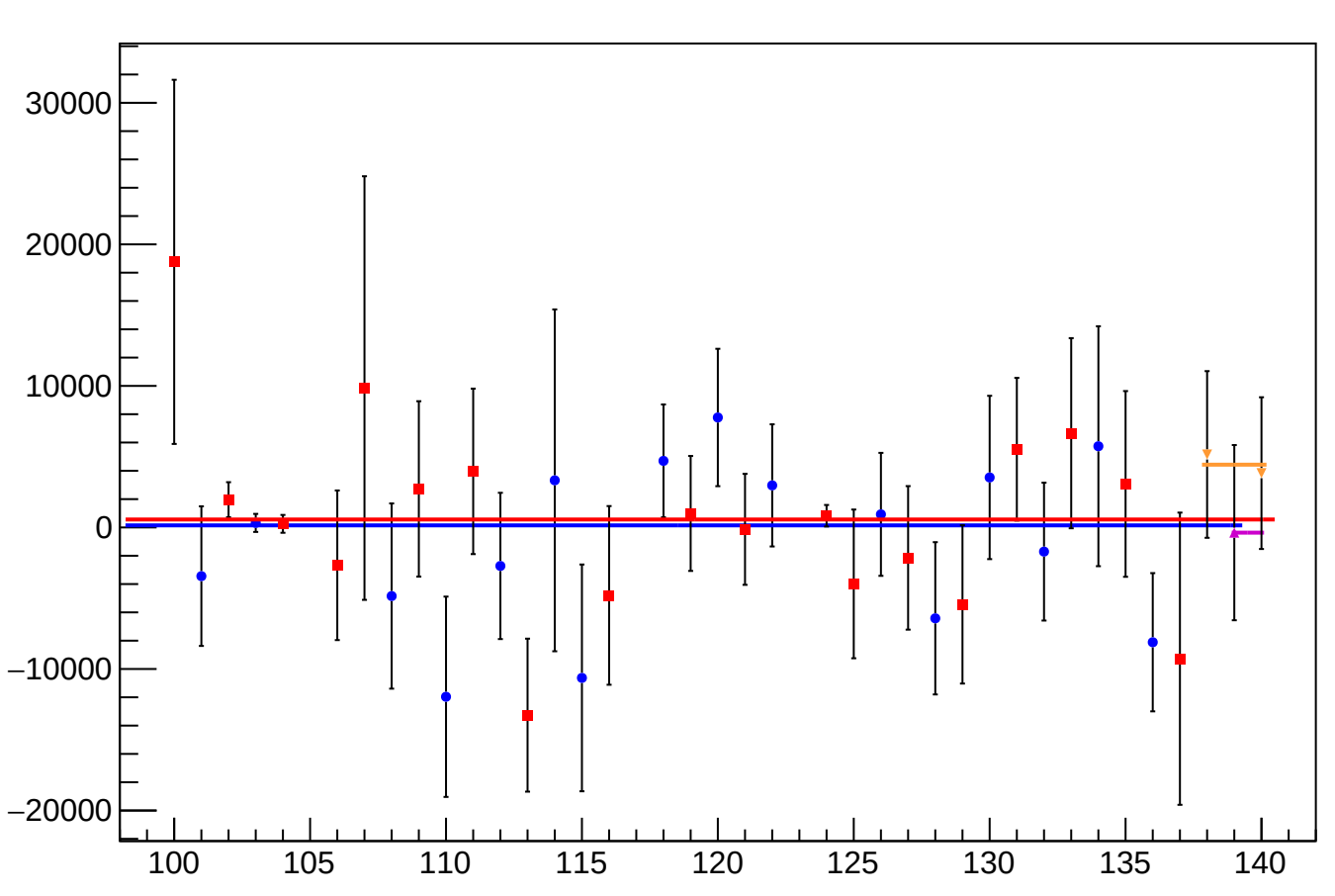
Left: 1826.666+/-0.822 χ^2/NDF: 1322.5/2

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1690.999+/-0.423 χ^2/NDF:150048.5/16

Out: 1737.980+/-0.413 χ^2/NDF:396639.7/20

All: 1715.043+/-0.296 χ^2/NDF: 552999.0/37



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: 4434.595+/-3963.633 χ^2/NDF:0.0/1

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -368.386+/-6188.813 χ^2/NDF:0.0/0

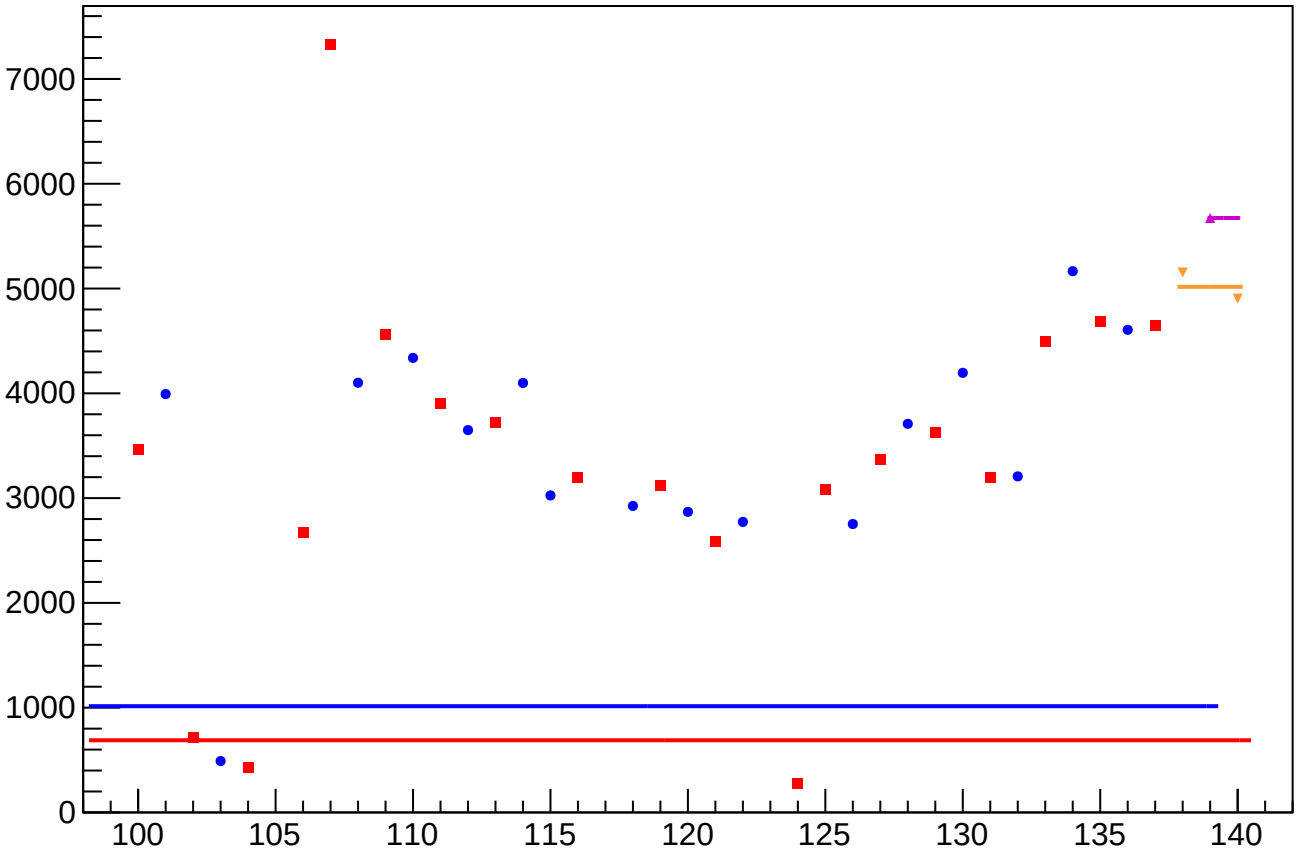
Left: 3037.554+/-3337.771 χ^2/NDF: 0.5/2

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 142.075+/-576.834 χ^2/NDF:15.8/16

Out: 606.637+/-428.102 χ^2/NDF:18.2/20

All: 441.638+/-343.771 χ^2/NDF: 34.4/37



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 5016.468+/-2.803 χ^2/NDF:1954.3/1

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5673.268+/-4.376 χ^2/NDF:0.0/0

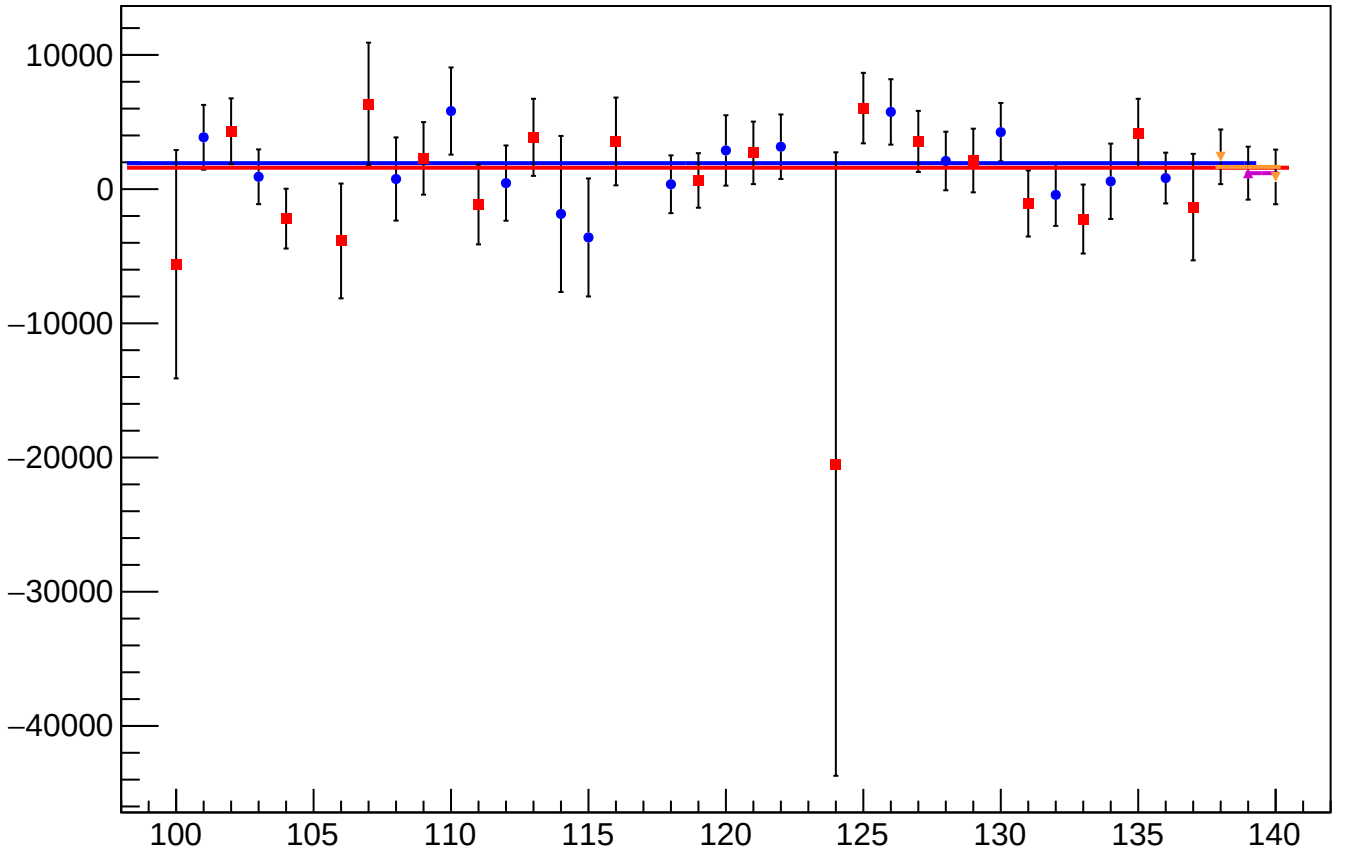
Left: 5207.511+/-2.360 χ^2/NDF: 17928.1/2

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1054.570+/-0.408 χ^2/NDF:9346700.2/16

Out: 739.537+/-0.303 χ^2/NDF:11268473.0/20

All: 851.427+/-0.243 χ^2/NDF: 20999841.8/37



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1658.894+/-1439.052 χ^2/NDF:0.3/1

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 1190.572+/-1973.718 χ^2/NDF:0.0/0

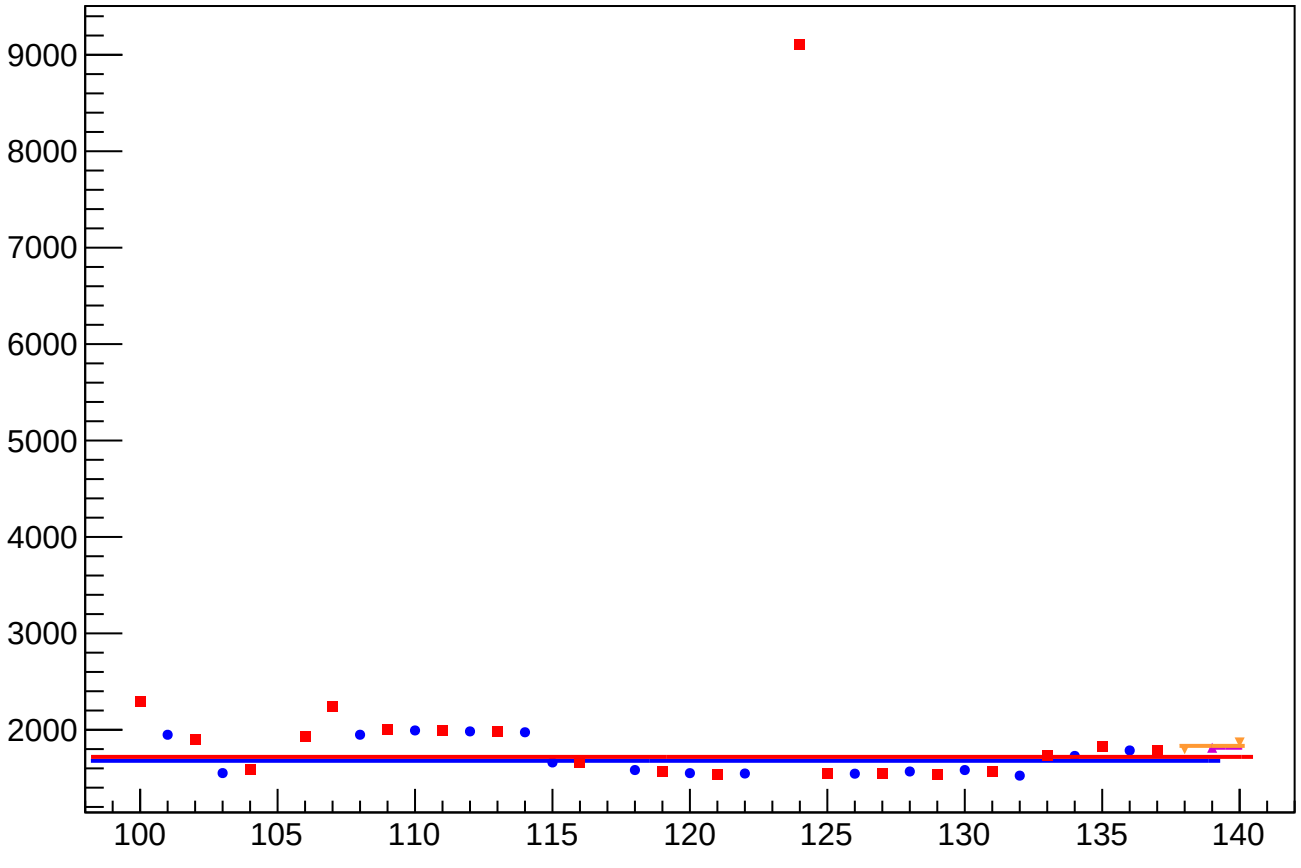
Left: 1496.346+/-1162.798 χ^2/NDF: 0.3/2

Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1866.471+/-598.329 χ^2/NDF:11.0/16

Out: 1606.046+/-586.462 χ^2/NDF:19.7/20

All: 1733.650+/-418.824 χ^2/NDF: 30.8/37



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1833.352+/-1.018 χ^2/NDF:1198.1/1

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1814.089+/-1.396 χ^2/NDF:0.0/0

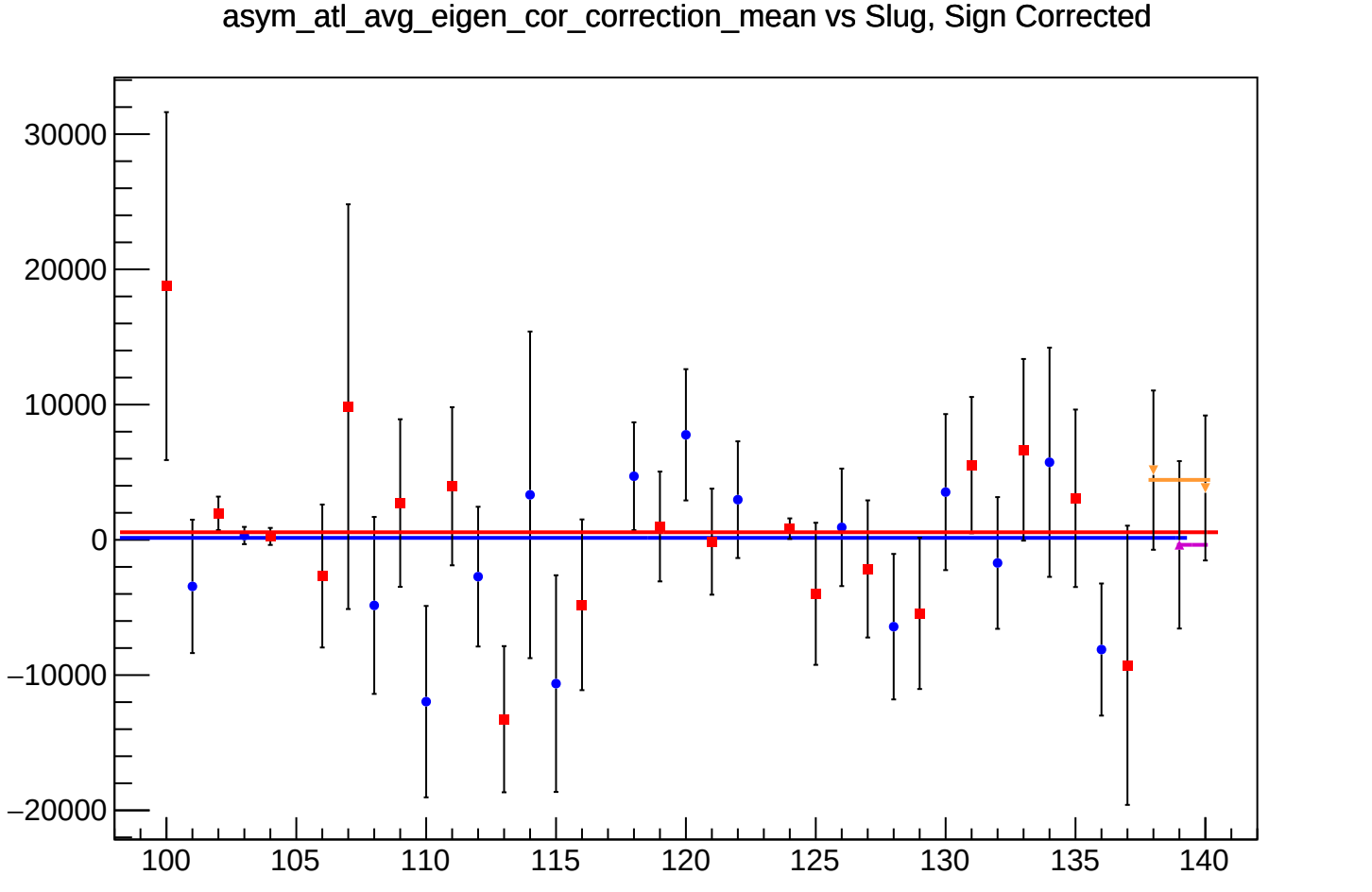
Left: 1826.666+/-0.822 χ^2/NDF: 1322.5/2

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1690.999+/-0.423 χ^2/NDF:150048.5/16

Out: 1737.980+/-0.413 χ^2/NDF:396639.7/20

All: 1715.043+/-0.296 χ^2/NDF: 552999.0/37



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Left Out: 4434.595+/-3963.633 χ^2/NDF:0.0/1

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -368.386+/-6188.813 χ^2/NDF:0.0/0

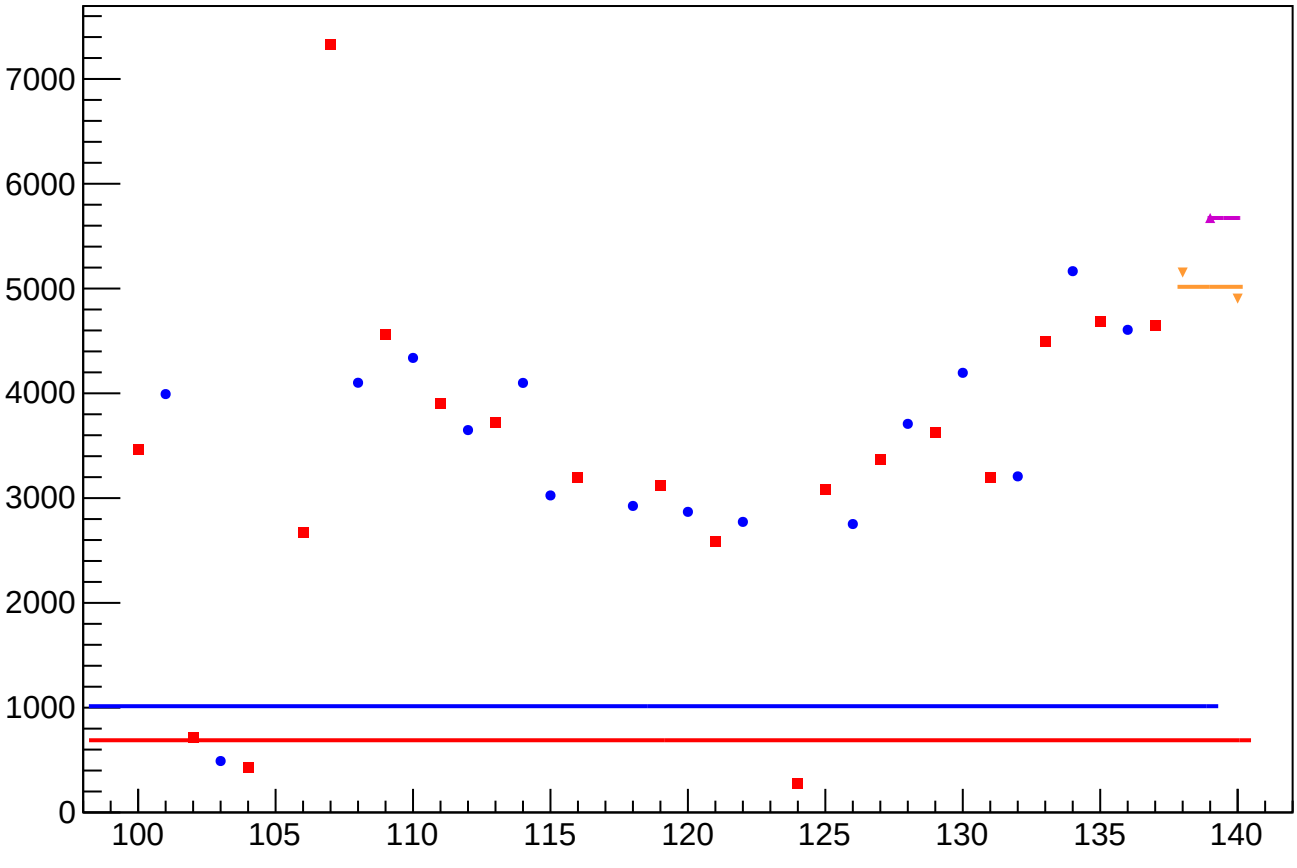
Left: 3037.554+/-3337.771 χ^2/NDF: 0.5/2

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 142.075+/-576.834 χ^2/NDF:15.8/16

Out: 606.637+/-428.102 χ^2/NDF:18.2/20

All: 441.638+/-343.771 χ^2/NDF: 34.4/37



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Left Out: 5016.468+/-2.803 χ^2/NDF:1954.3/1

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5673.268+/-4.376 χ^2/NDF:0.0/0

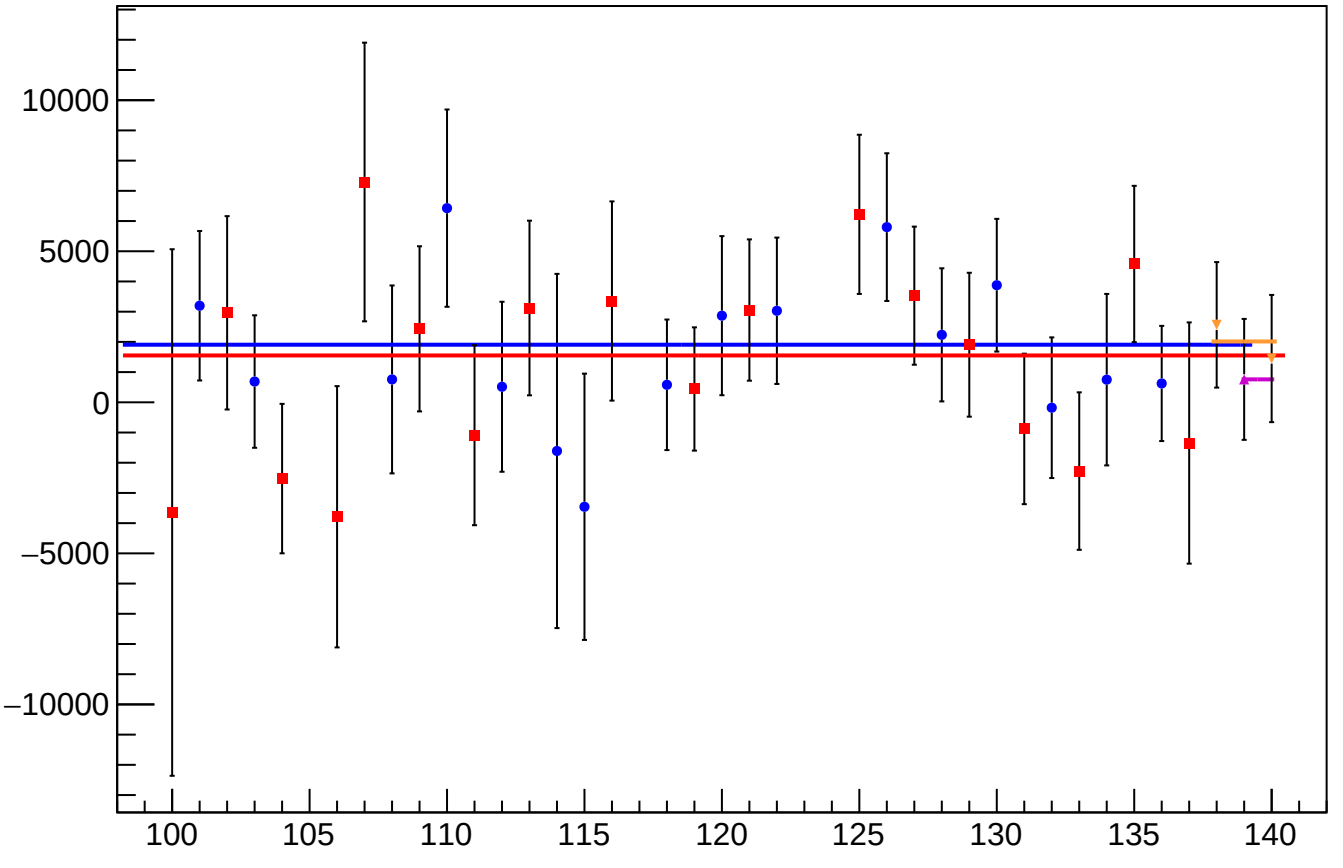
Left: 5207.511+/-2.360 χ^2/NDF: 17928.1/2

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1054.570+/-0.408 χ^2/NDF:9346700.2/16

Out: 739.537+/-0.303 χ^2/NDF:11268473.0/20

All: 851.427+/-0.243 χ^2/NDF: 20999841.8/37



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 2013.964+/-1478.779 χ^2/NDF:0.1/1

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 758.963+/-2001.653 χ^2/NDF:0.0/0

Left: 1570.844+/-1189.399 χ^2/NDF: 0.4/2

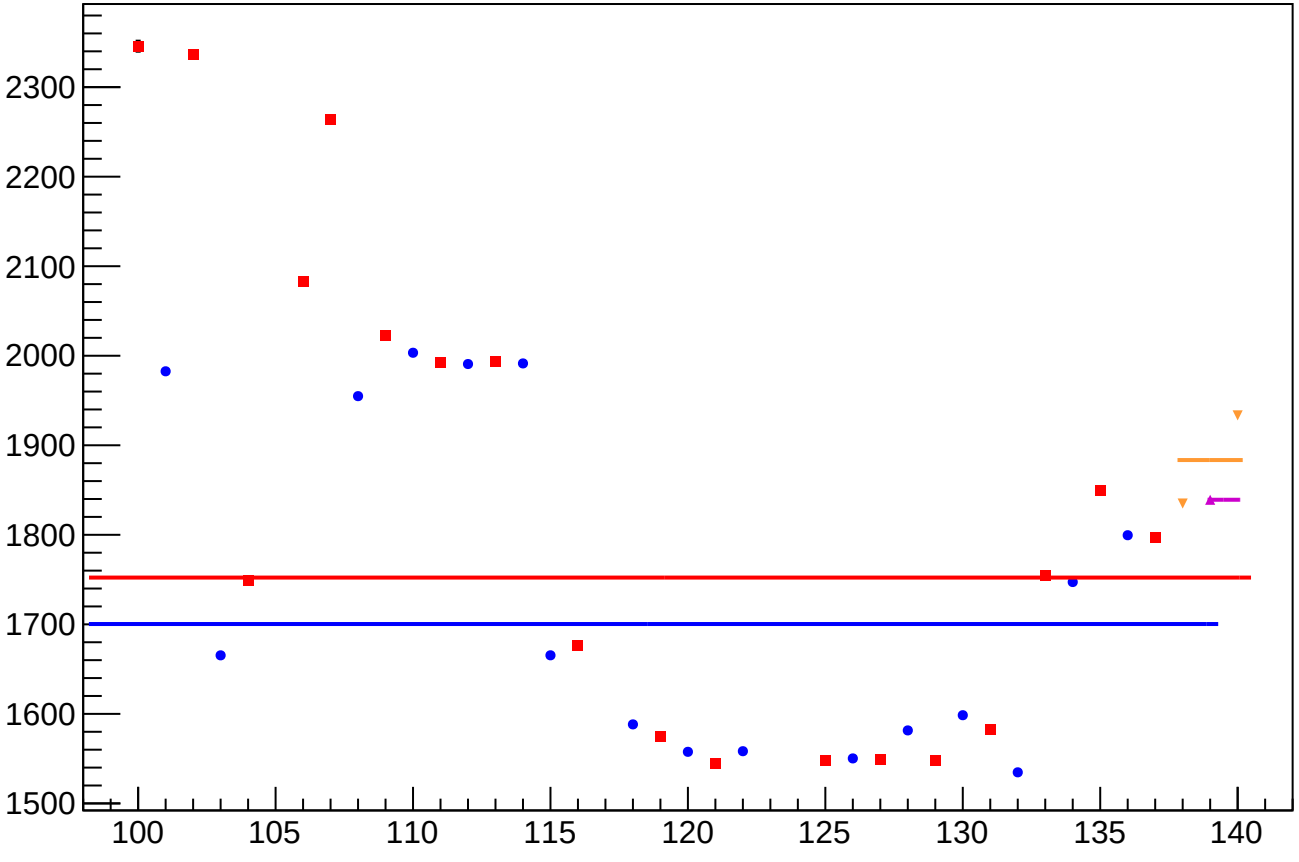
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 1800.873+/-606.514 χ^2/NDF:10.5/16

Out: 1628.095+/-603.499 χ^2/NDF:17.7/19

All: 1714.054+/-427.800 χ^2/NDF: 28.2/36

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1883.500+/-1.046 χ^2/NDF:2215.6/1

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1839.153+/-1.415 χ^2/NDF:0.0/0

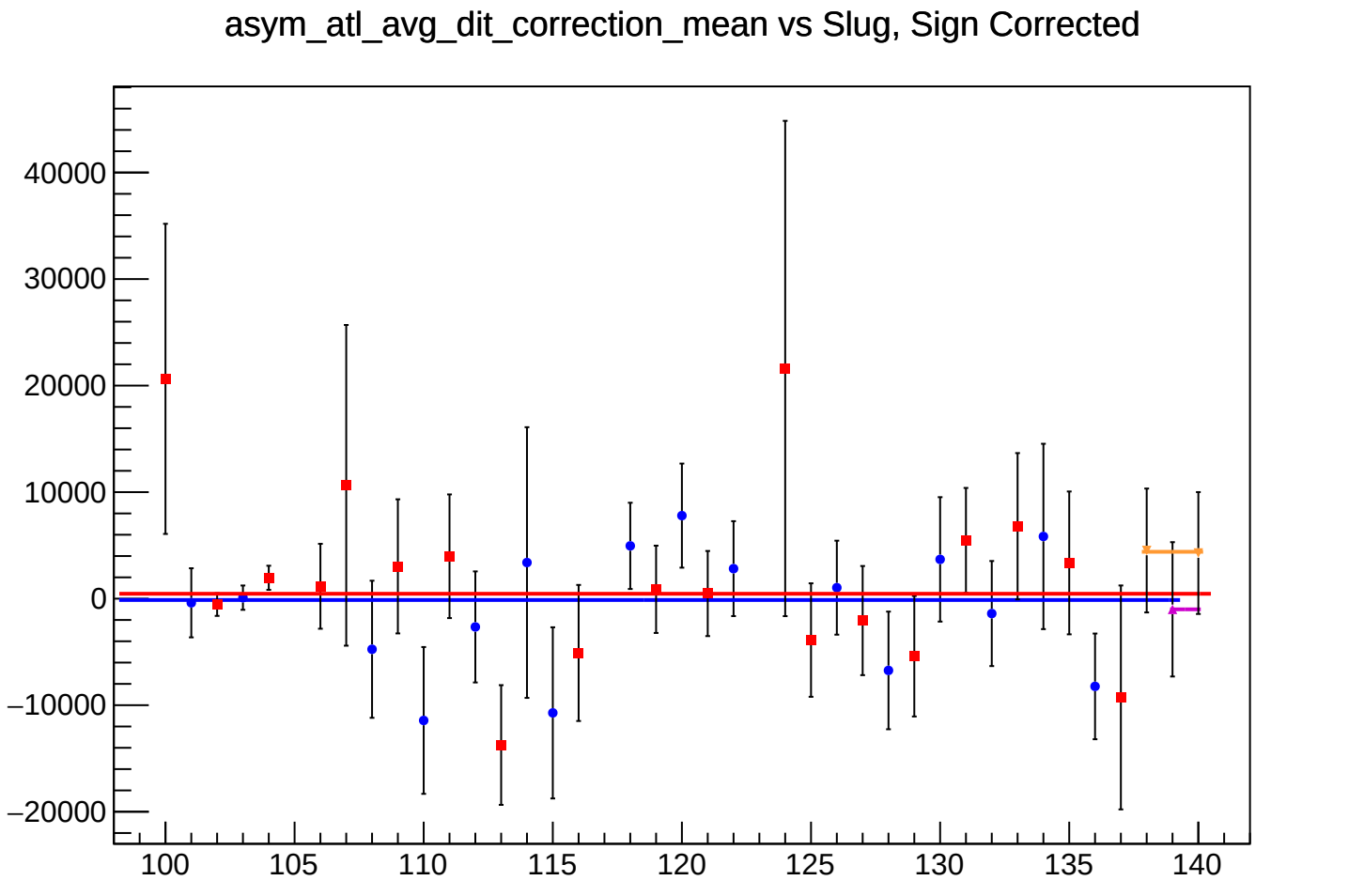
Left: 1867.842+/-0.841 χ^2/NDF: 2850.6/2

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1713.100+/-0.429 χ^2/NDF:144152.6/16

Out: 1774.017+/-0.426 χ^2/NDF:263311.7/19

All: 1743.768+/-0.302 χ^2/NDF: 417621.6/36



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: 4400.322+/-4077.568 χ^2/NDF:0.0/1

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: -1001.871+/-6305.296 χ^2/NDF:0.0/0

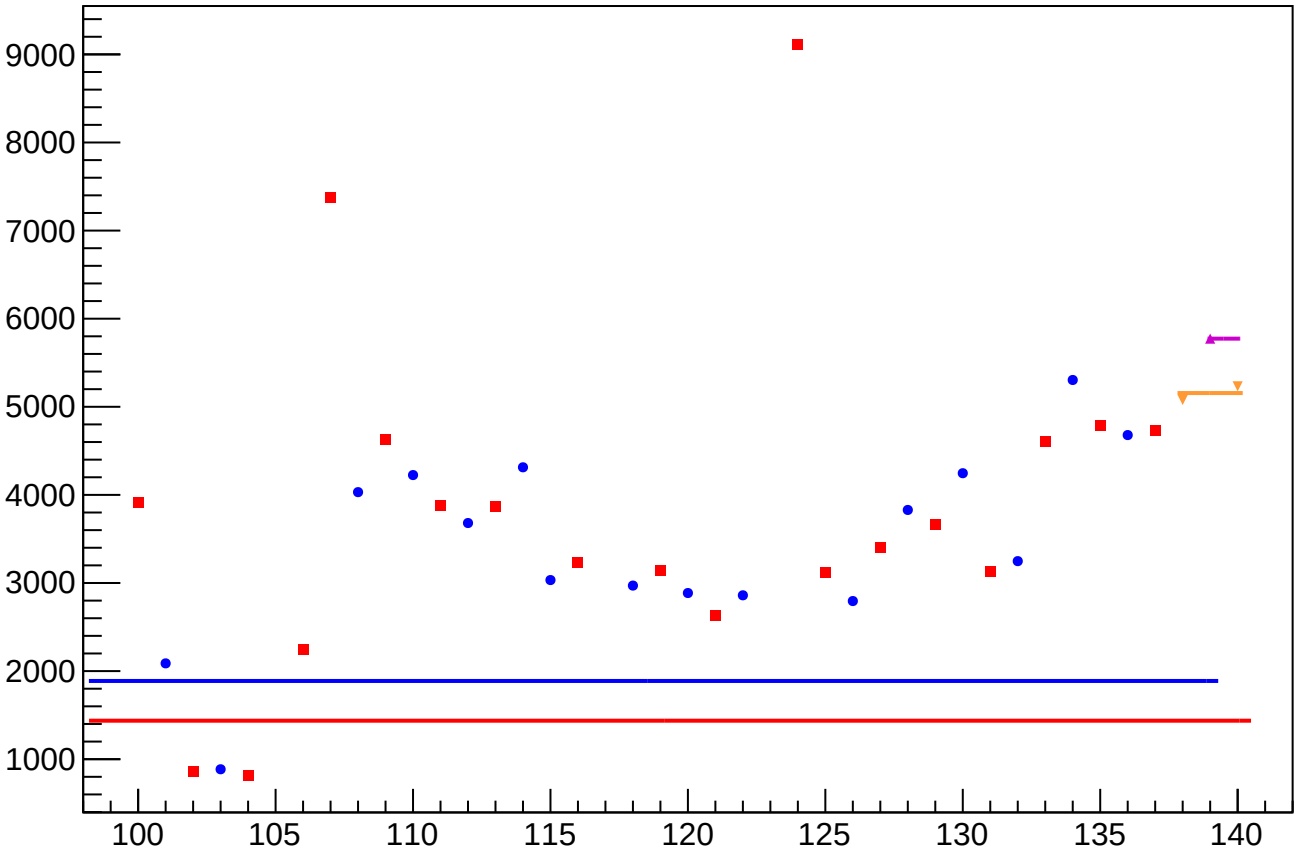
Left: 2807.300+/-3423.981 χ^2/NDF: 0.5/2

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: -141.754+/-859.545 χ^2/NDF:15.1/16

Out: 565.808+/-669.928 χ^2/NDF:19.4/20

All: 298.420+/-528.394 χ^2/NDF: 34.9/37



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 5155.998+/-2.883 χ^2/NDF:723.9/1

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5773.532+/-4.459 χ^2/NDF:0.0/0

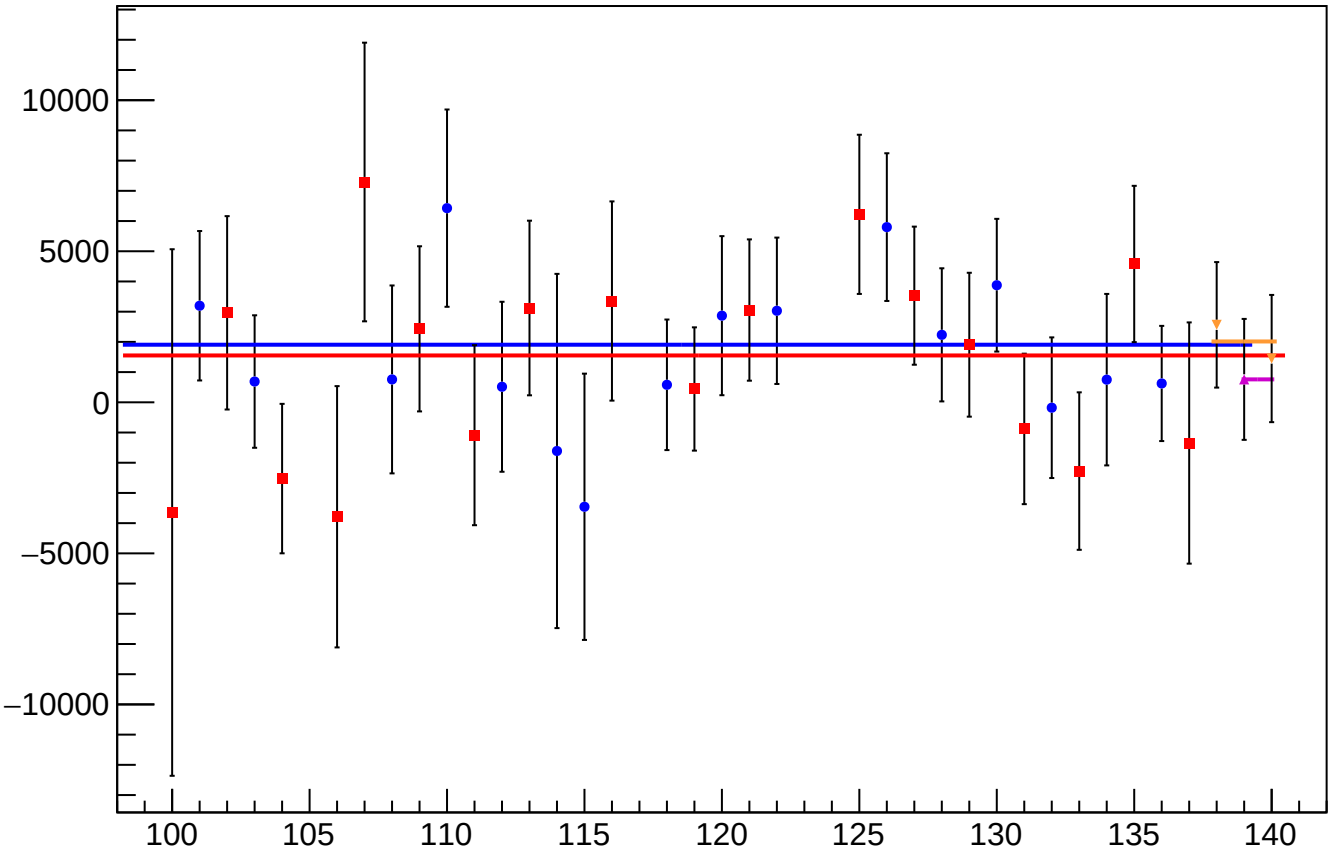
Left: 5338.099+/-2.421 χ^2/NDF: 14250.8/2

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 1960.205+/-0.608 χ^2/NDF:5171064.5/16

Out: 1537.493+/-0.474 χ^2/NDF:7583632.0/20

All: 1697.236+/-0.374 χ^2/NDF: 13055610.6/3



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 2013.975+/-1478.780 χ^2/NDF:0.1/1

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 758.962+/-2001.654 χ^2/NDF:0.0/0

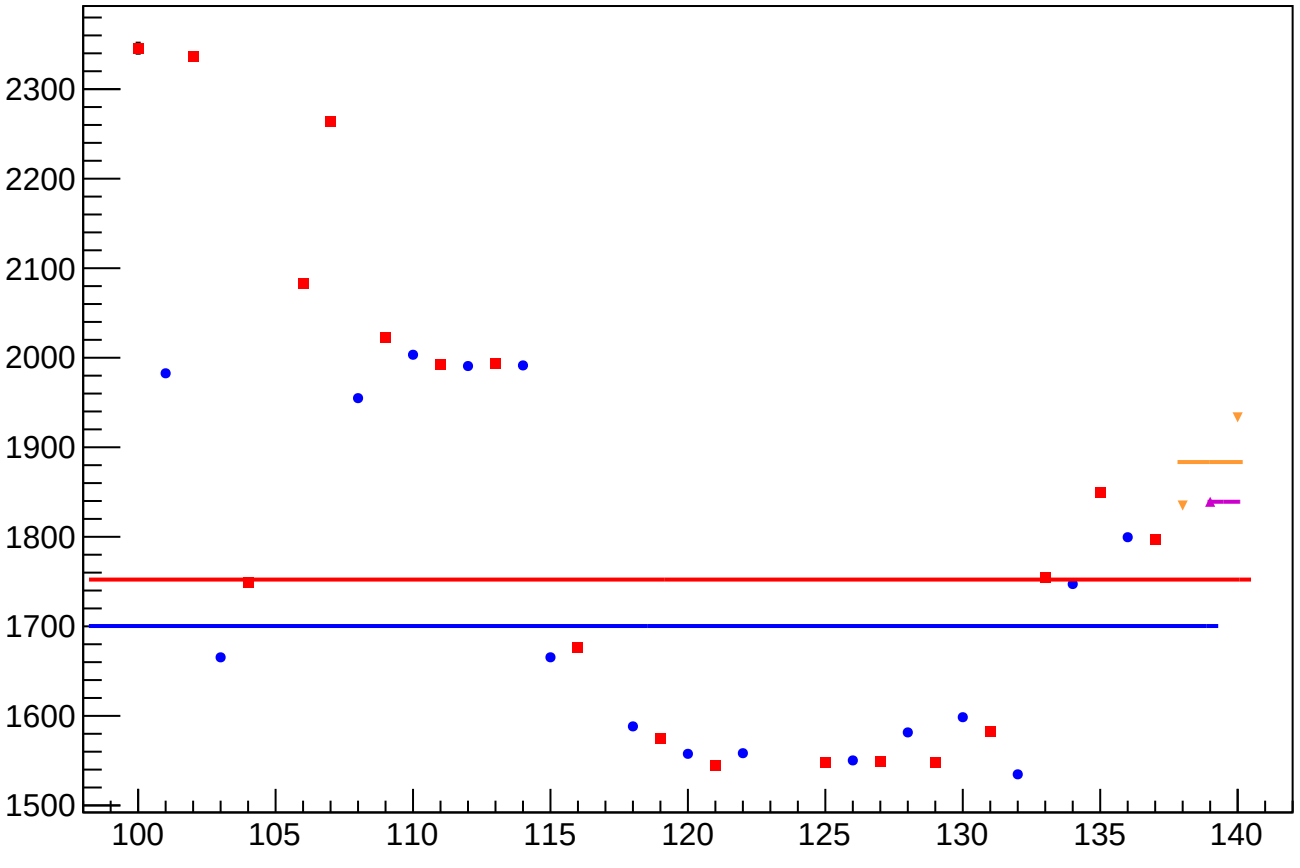
Left: 1570.851+/-1189.399 χ^2/NDF: 0.4/2

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 1800.872+/-606.514 χ^2/NDF:10.5/16

Out: 1628.095+/-603.499 χ^2/NDF:17.7/19

All: 1714.053+/-427.800 χ^2/NDF: 28.2/36



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1883.501+/-1.046 χ^2/NDF:2215.6/1

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1839.154+/-1.415 χ^2/NDF:0.0/0

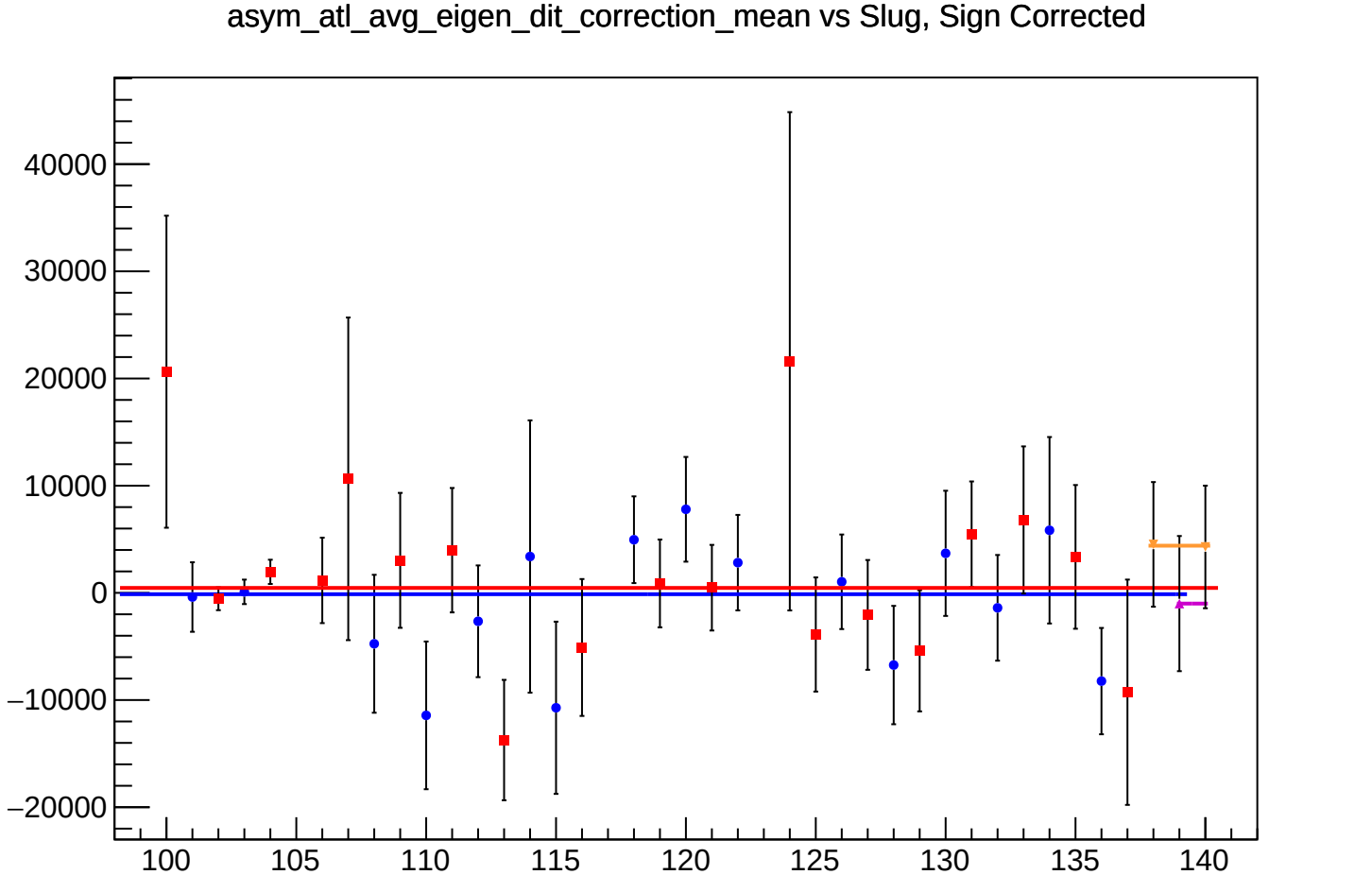
Left: 1867.843+/-0.841 χ^2/NDF: 2850.7/2

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1713.100+/-0.429 χ^2/NDF:144153.0/16

Out: 1774.017+/-0.426 χ^2/NDF:263311.5/19

All: 1743.768+/-0.302 χ^2/NDF: 417621.7/36



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: 4400.332+/-4077.578 χ^2/NDF:0.0/1

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: -1001.865+/-6305.318 χ^2/NDF:0.0/0

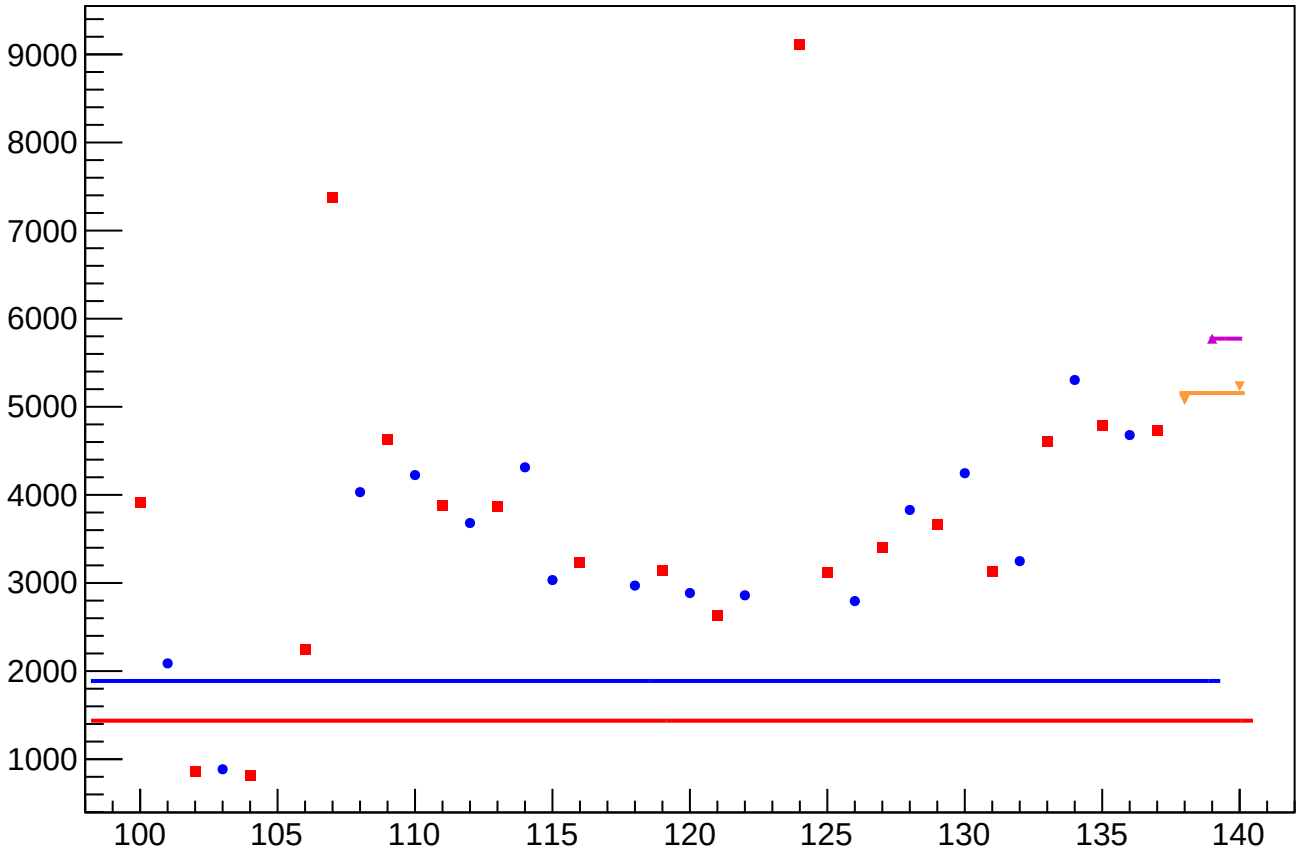
Left: 2807.311+/-3423.990 χ^2/NDF: 0.5/2

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -141.750+/-859.540 χ^2/NDF:15.1/16

Out: 565.805+/-669.923 χ^2/NDF:19.4/20

All: 298.420+/-528.390 χ^2/NDF: 34.9/37



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 5156.011+/-2.883 χ^2/NDF:723.8/1

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5773.551+/-4.459 χ^2/NDF:0.0/0

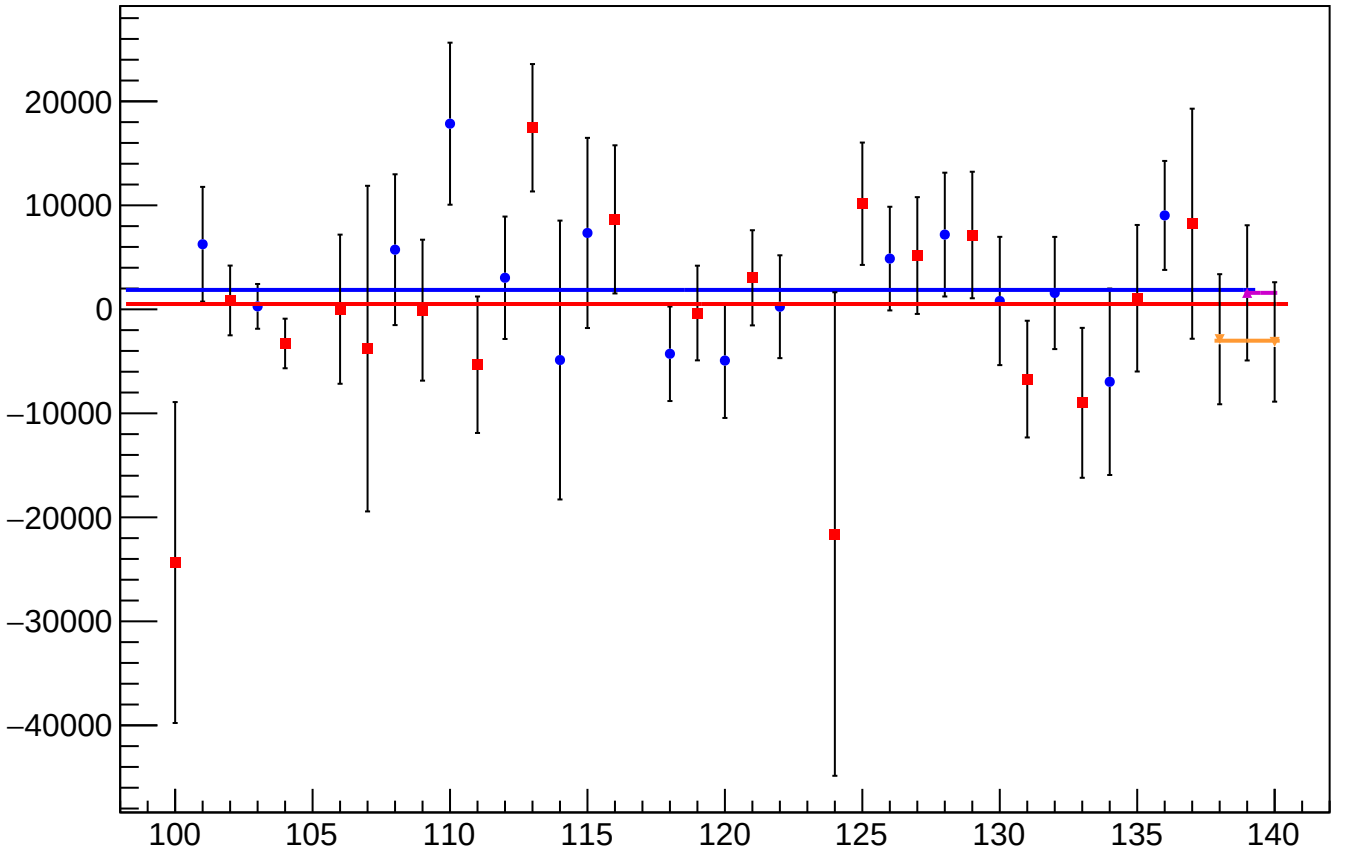
Left: 5338.114+/-2.421 χ^2/NDF: 14251.0/2

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 1960.188+/-0.608 χ^2/NDF:5171110.6/16

Out: 1537.478+/-0.474 χ^2/NDF:7583682.4/20

All: 1697.220+/-0.374 χ^2/NDF: 13055707.6/3



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: -3015.848+/-4229.779 χ^2/NDF:0.0/1

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 1584.616+/-6500.696 χ^2/NDF:0.0/0

Left: -1647.487+/-3545.353 χ^2/NDF: 0.4/2

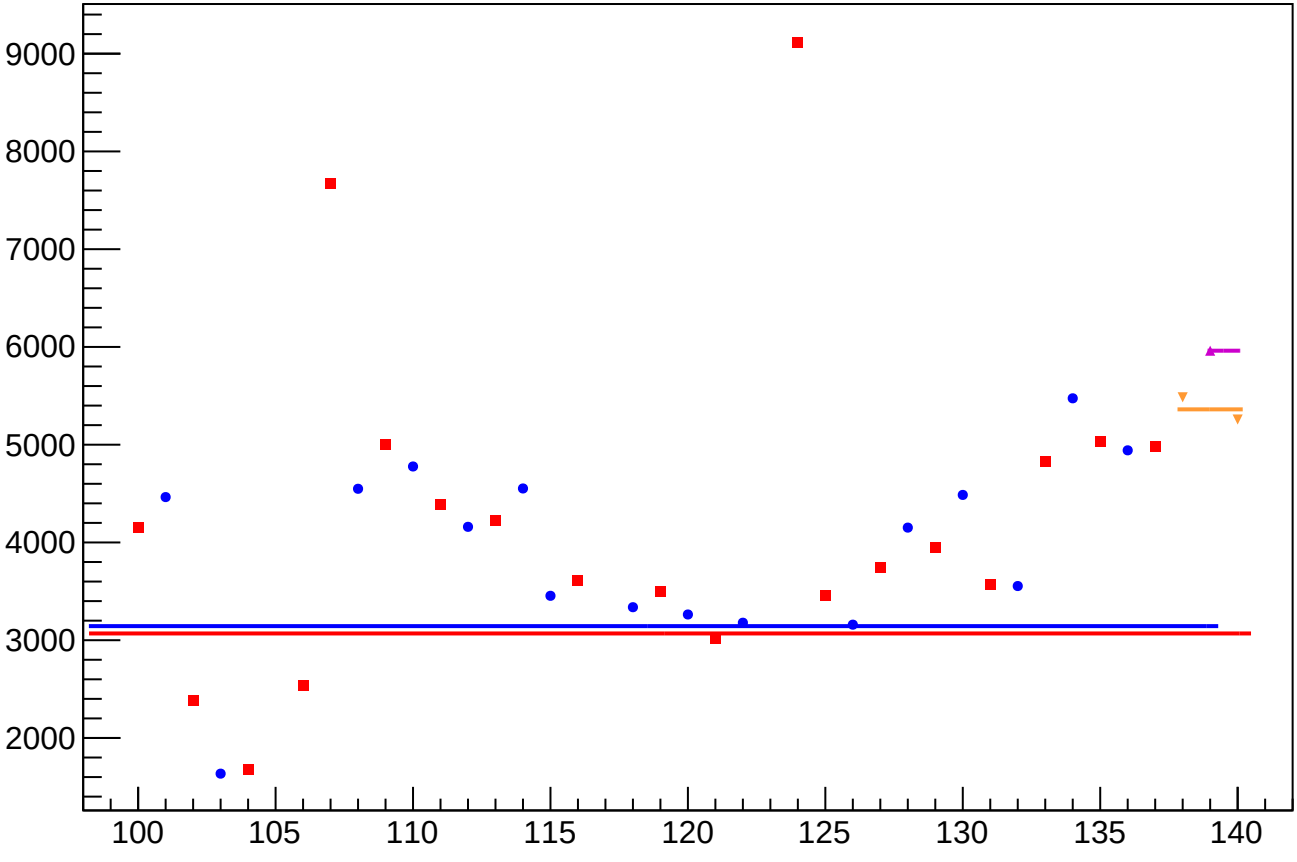
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1856.420+/-1236.210 χ^2/NDF:13.8/16

Out: 232.661+/-1191.259 χ^2/NDF:25.3/20

All: 1014.483+/-857.798 χ^2/NDF: 40.0/37

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5361.494+/-2.991 χ^2/NDF:1431.1/1

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5961.537+/-4.597 χ^2/NDF:0.0/0

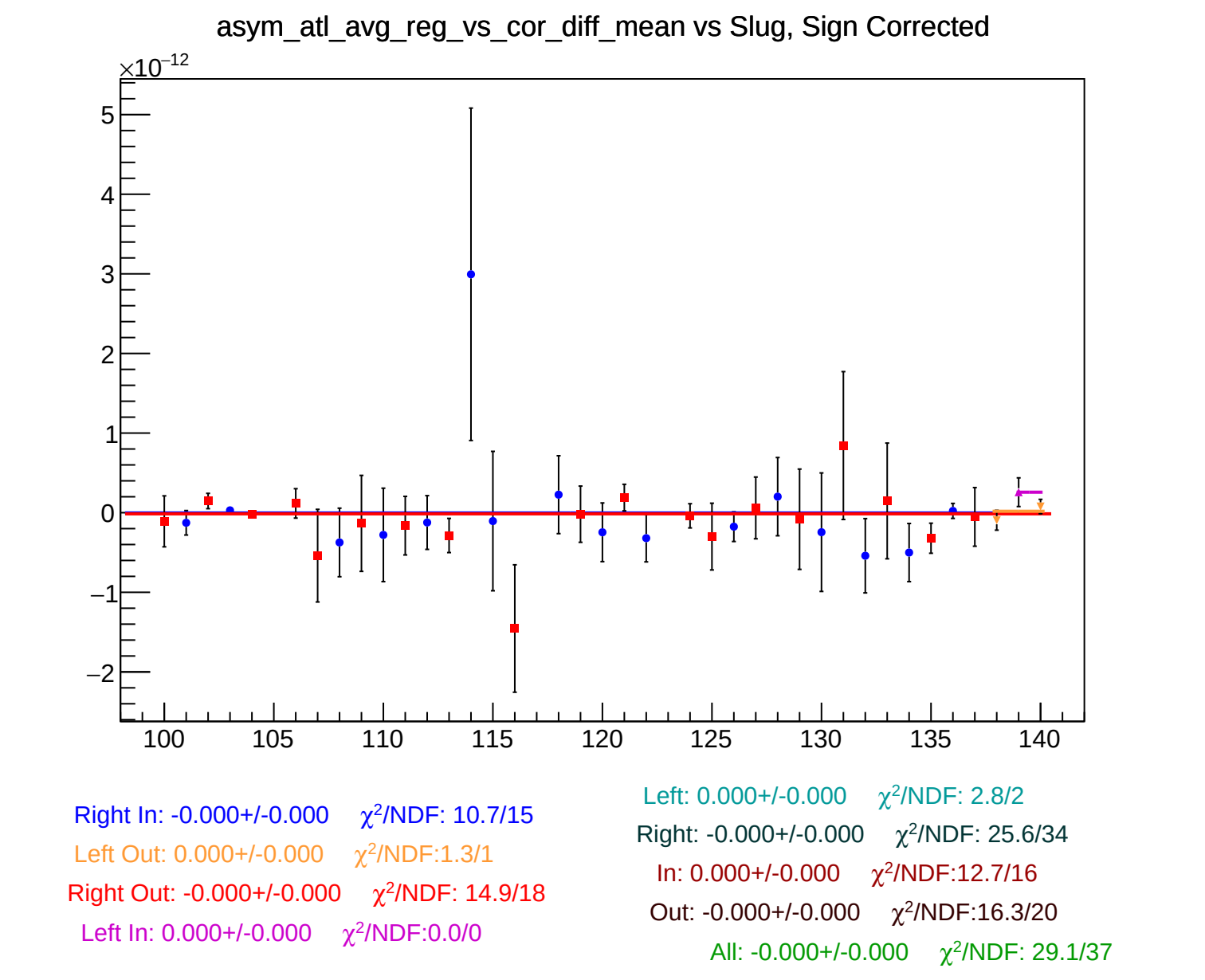
Left: 5539.971+/-2.507 χ^2/NDF: 13402.9/2

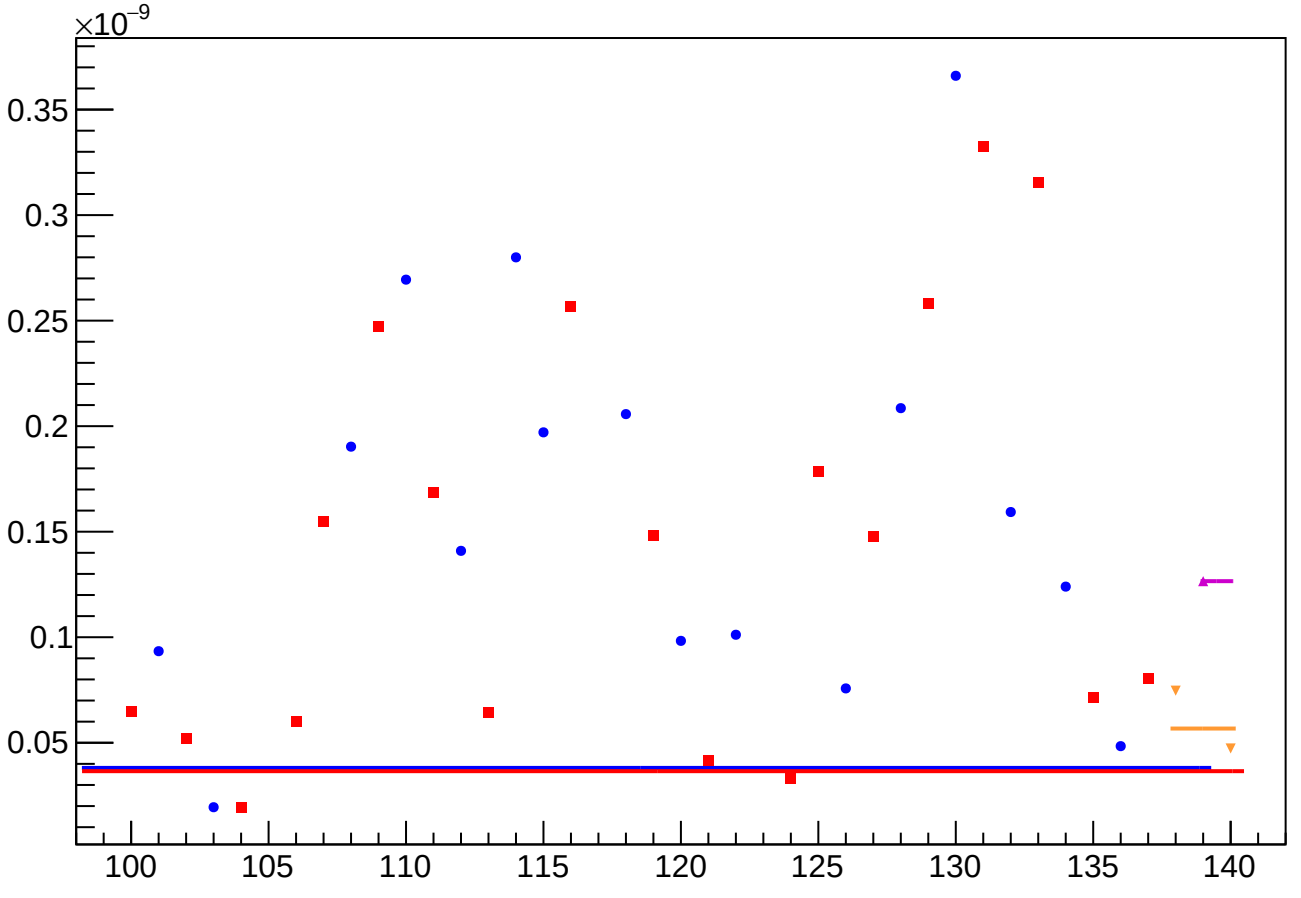
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3246.021+/-0.874 χ^2/NDF:2245224.7/16

Out: 3245.739+/-0.830 χ^2/NDF:2425263.1/20

All: 3245.873+/-0.602 χ^2/NDF: 4670487.9/37


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1.3/1
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 2.8/2
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: 0.000+/-0.000 χ²/NDF:12.7/16
Out: -0.000+/-0.000 χ²/NDF:16.3/20
All: -0.000+/-0.000 χ²/NDF: 29.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:63453.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 321355.7/2

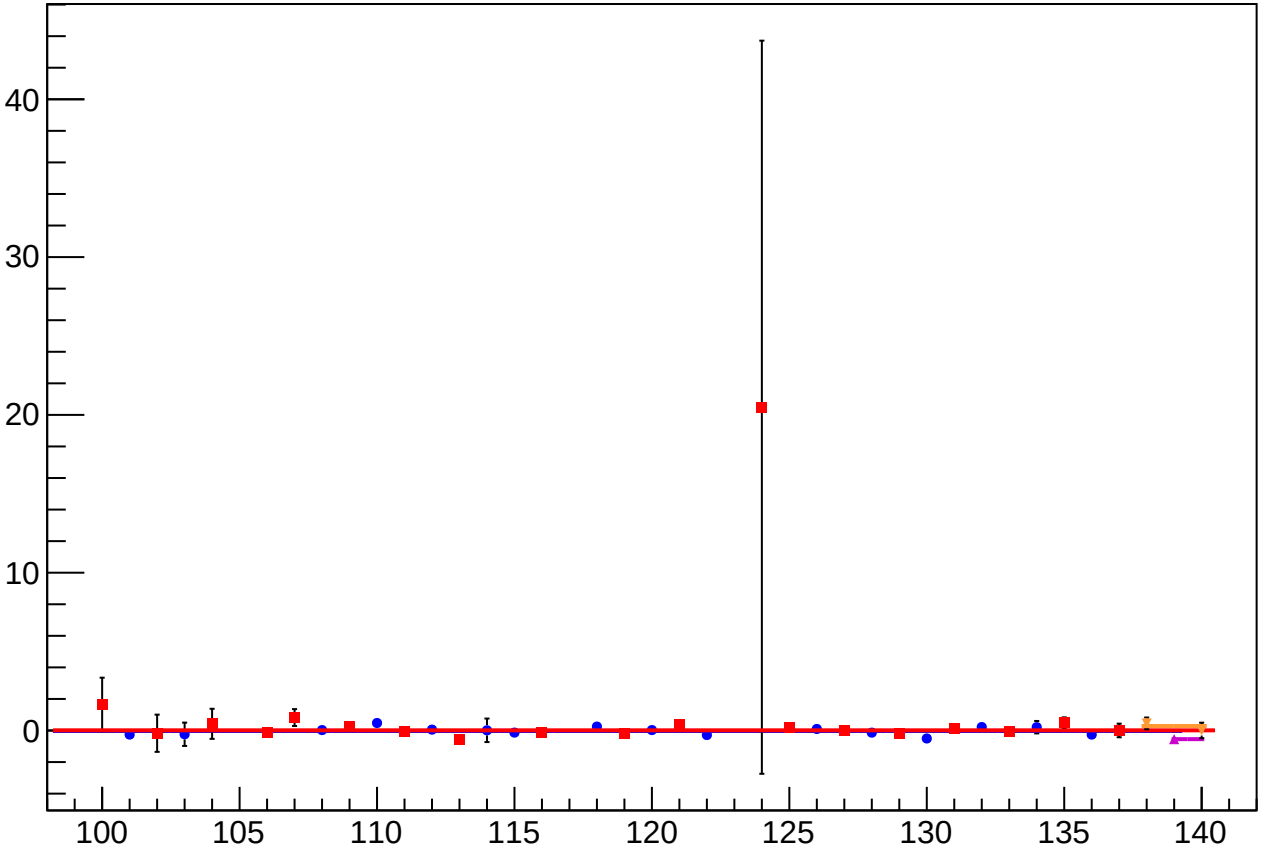
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:3354031.6/16

Out: 0.000+/-0.000 χ^2/NDF:2874493.0/20

All: 0.000+/-0.000 χ^2/NDF: 6230064.1/37

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.286+/-0.299 χ^2/NDF:0.5/1

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.548+/-0.273 χ^2/NDF:0.0/0

Left: -0.168+/-0.202 χ^2/NDF: 4.8/2

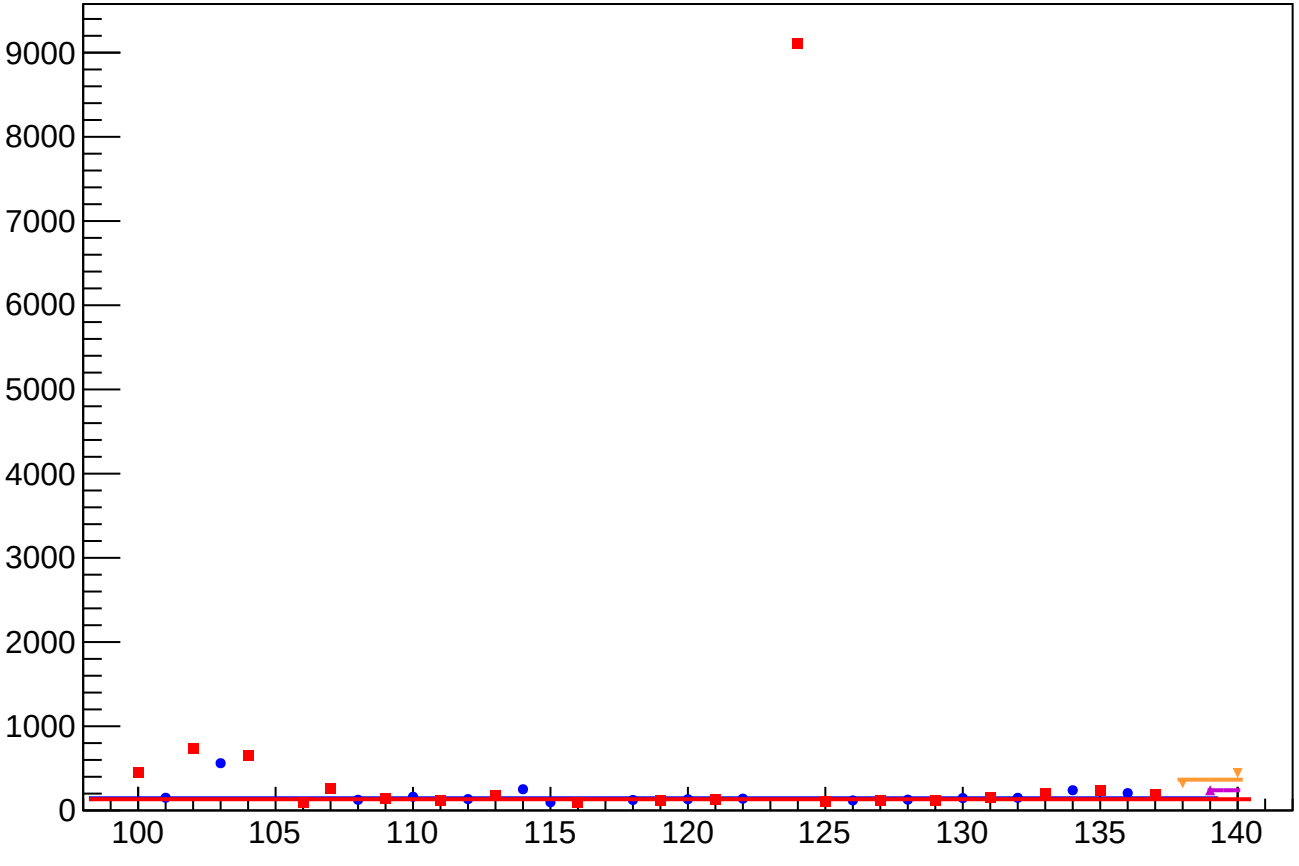
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.051+/-0.057 χ^2/NDF:20.7/16

Out: 0.020+/-0.056 χ^2/NDF:23.1/20

All: -0.015+/-0.040 χ^2/NDF: 44.7/37

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 365.839+/-0.211 χ^2/NDF:77209.8/1

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 239.811+/-0.193 χ^2/NDF:0.0/0

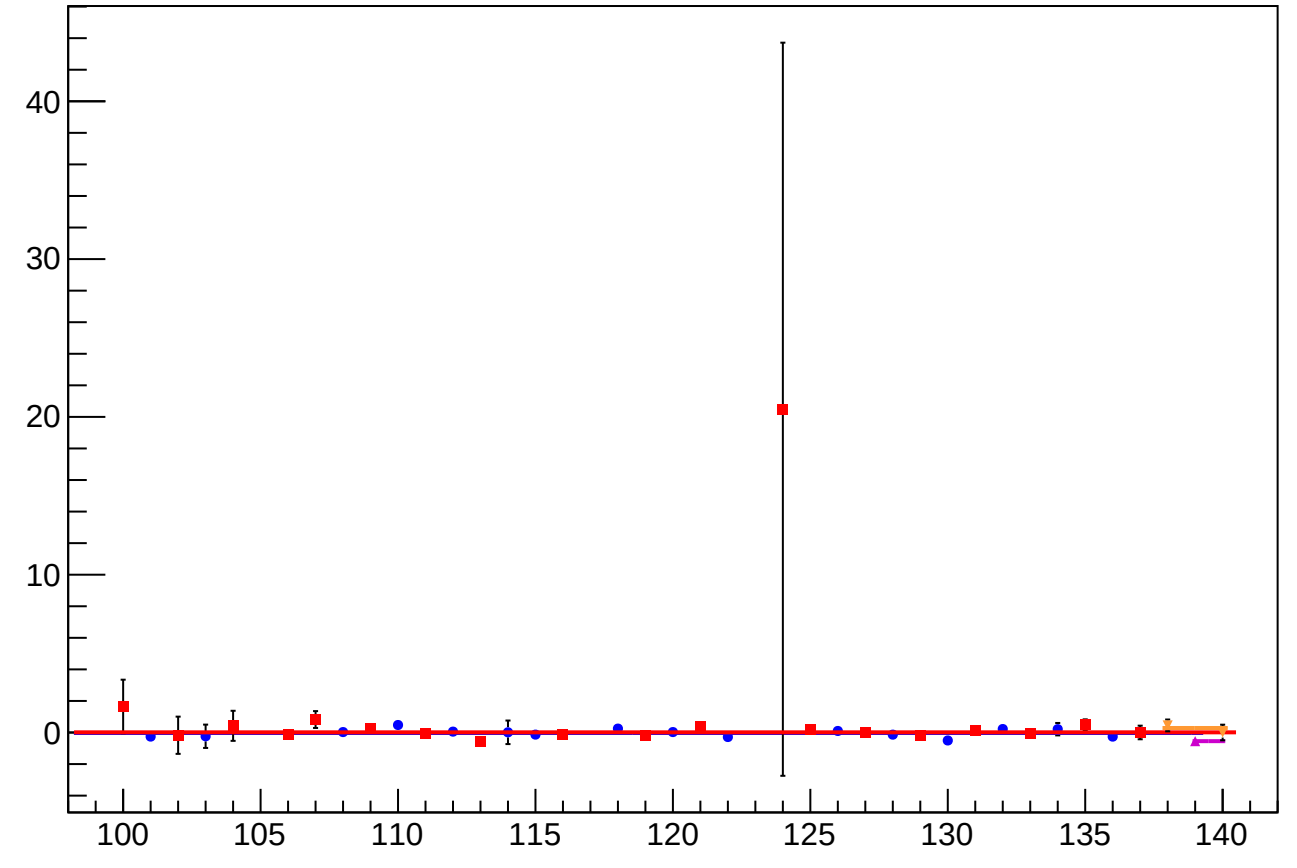
Left: 297.127+/-0.142 χ^2/NDF: 271186.7/2

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 148.395+/-0.040 χ^2/NDF:1363267.3/16

Out: 141.285+/-0.039 χ^2/NDF:3467758.7/20

All: 144.774+/-0.028 χ^2/NDF: 4847116.5/37



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.286+/-0.299 χ^2/NDF:0.5/1

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.548+/-0.273 χ^2/NDF:0.0/0

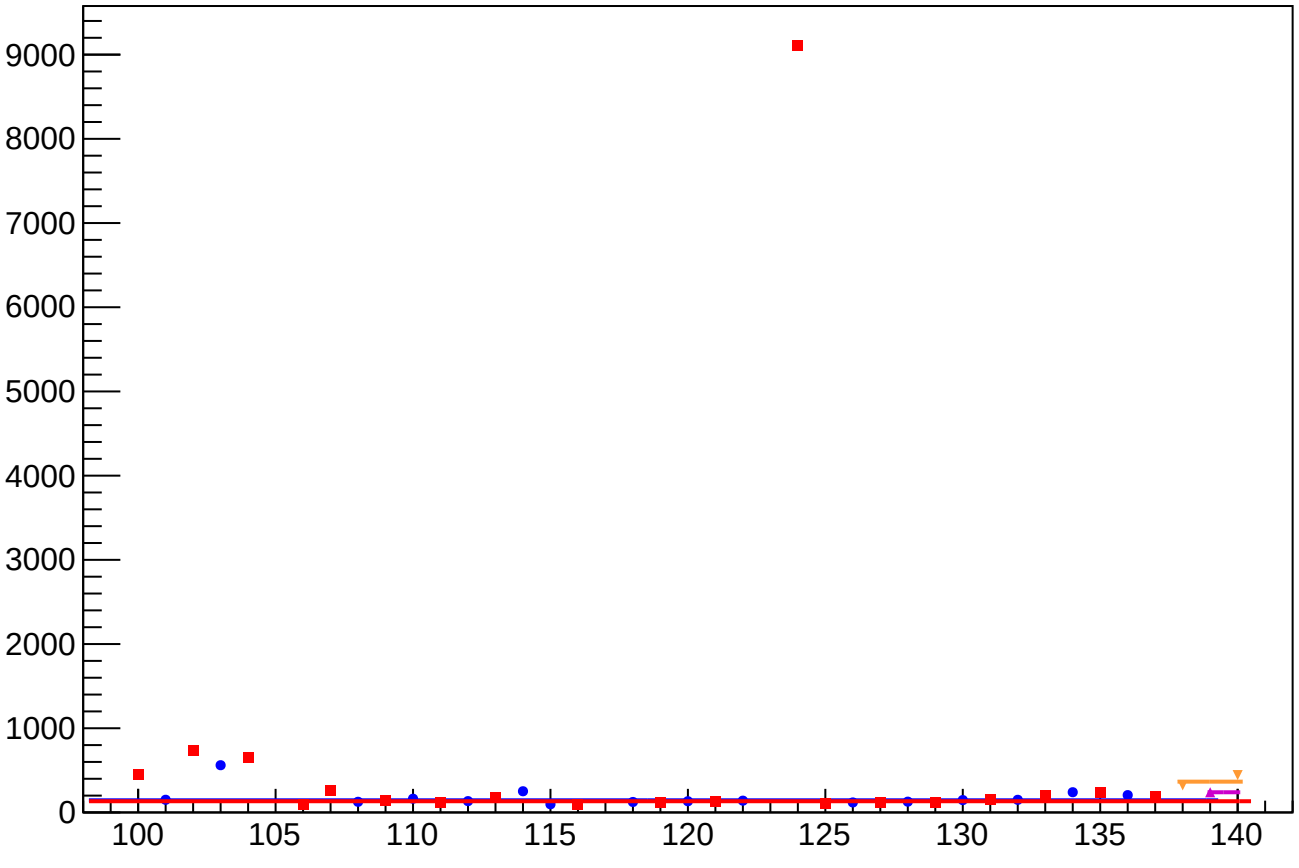
Left: -0.168+/-0.202 χ^2/NDF: 4.8/2

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.051+/-0.057 χ^2/NDF:20.7/16

Out: 0.020+/-0.056 χ^2/NDF:23.1/20

All: -0.015+/-0.040 χ^2/NDF: 44.7/37



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 365.839+/-0.211 χ^2/NDF:77209.8/1

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 239.811+/-0.193 χ^2/NDF:0.0/0

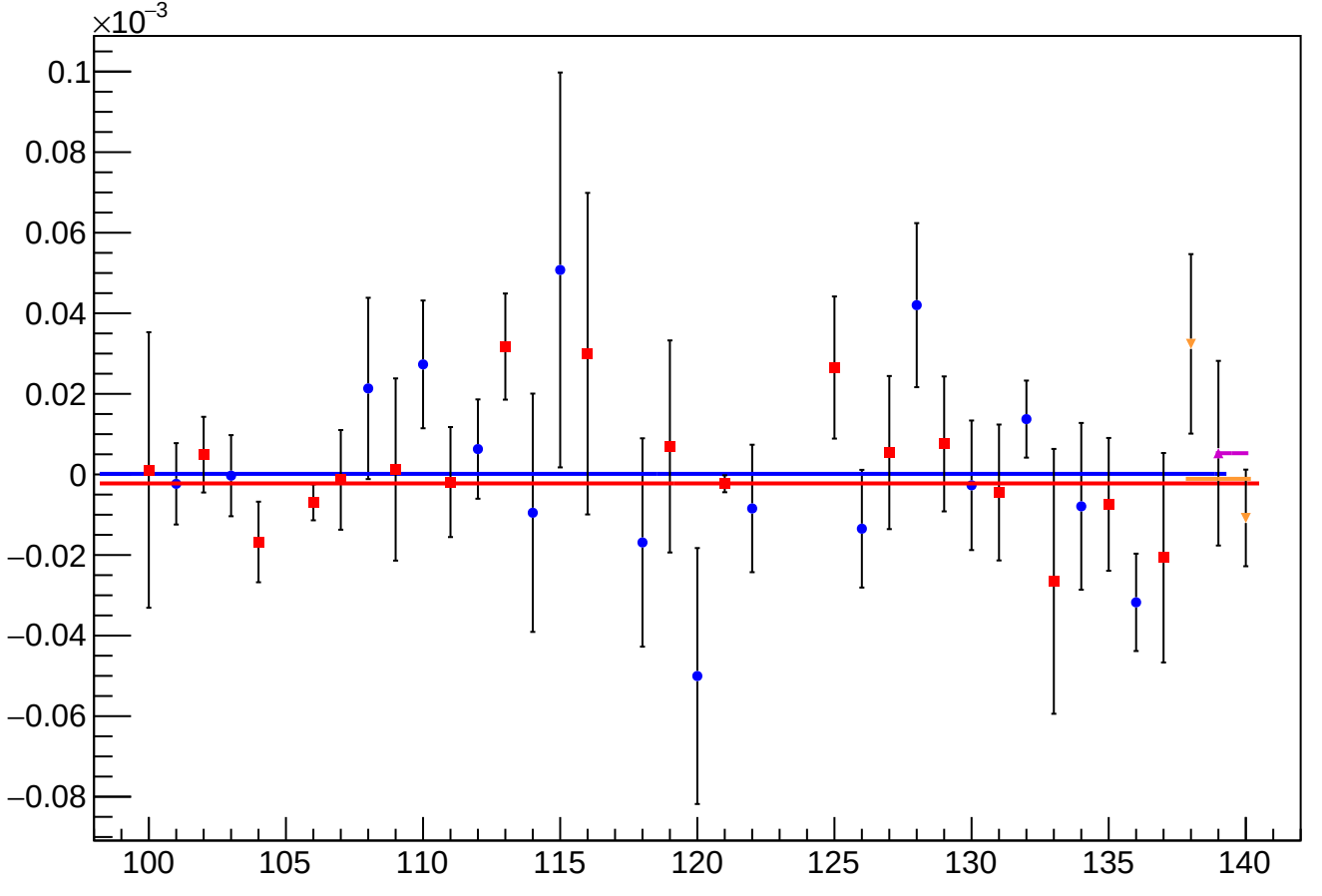
Left: 297.127+/-0.142 χ^2/NDF: 271186.7/2

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 148.395+/-0.040 χ^2/NDF:1363267.3/16

Out: 141.285+/-0.039 χ^2/NDF:3467758.7/20

All: 144.774+/-0.028 χ^2/NDF: 4847116.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

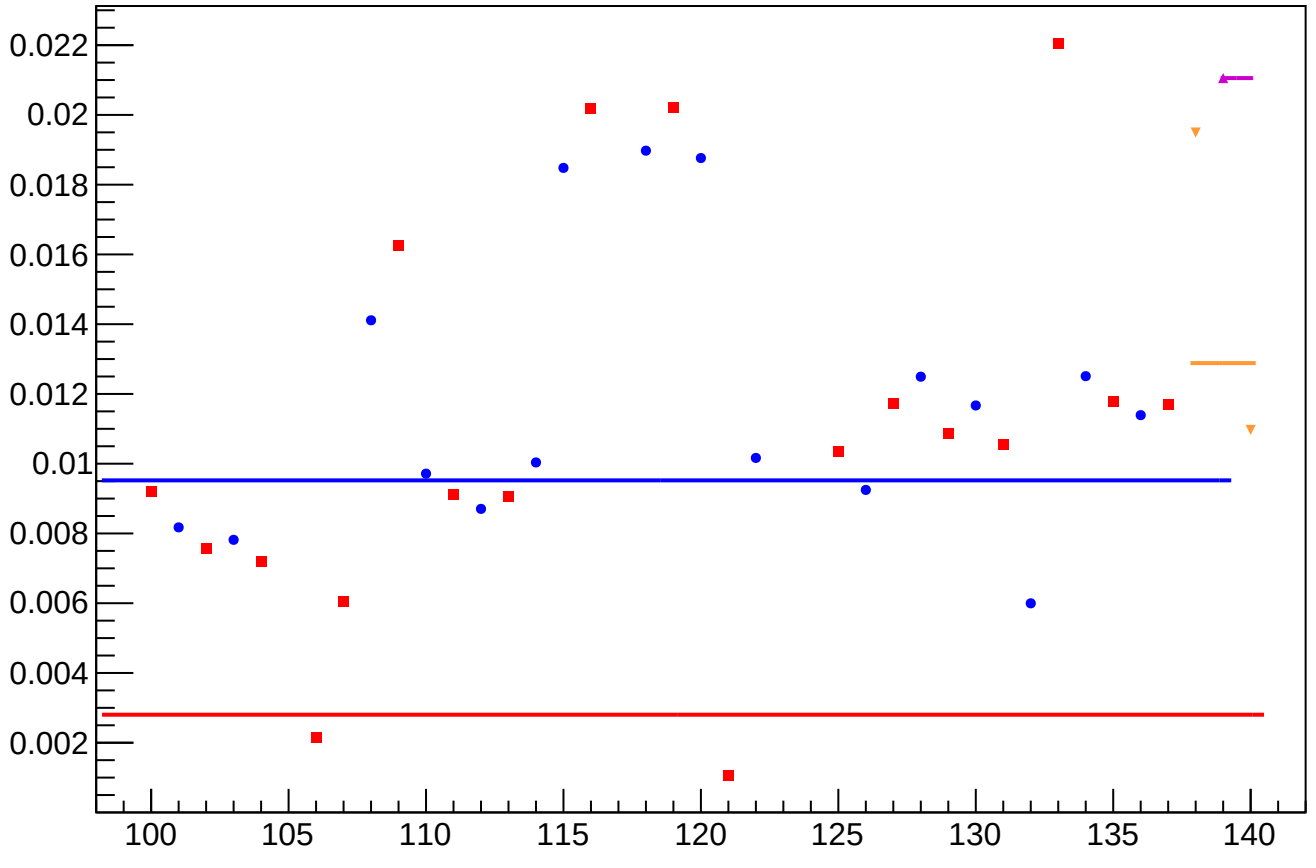
Left: 0.000+/-0.000 χ^2/NDF: 3.0/2

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:22.8/16

Out: -0.000+/-0.000 χ^2/NDF:18.5/19

All: -0.000+/-0.000 χ^2/NDF: 41.7/36



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.013+/-0.000 χ^2/NDF:227076.9/1

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.021+/-0.000 χ^2/NDF:0.0/0

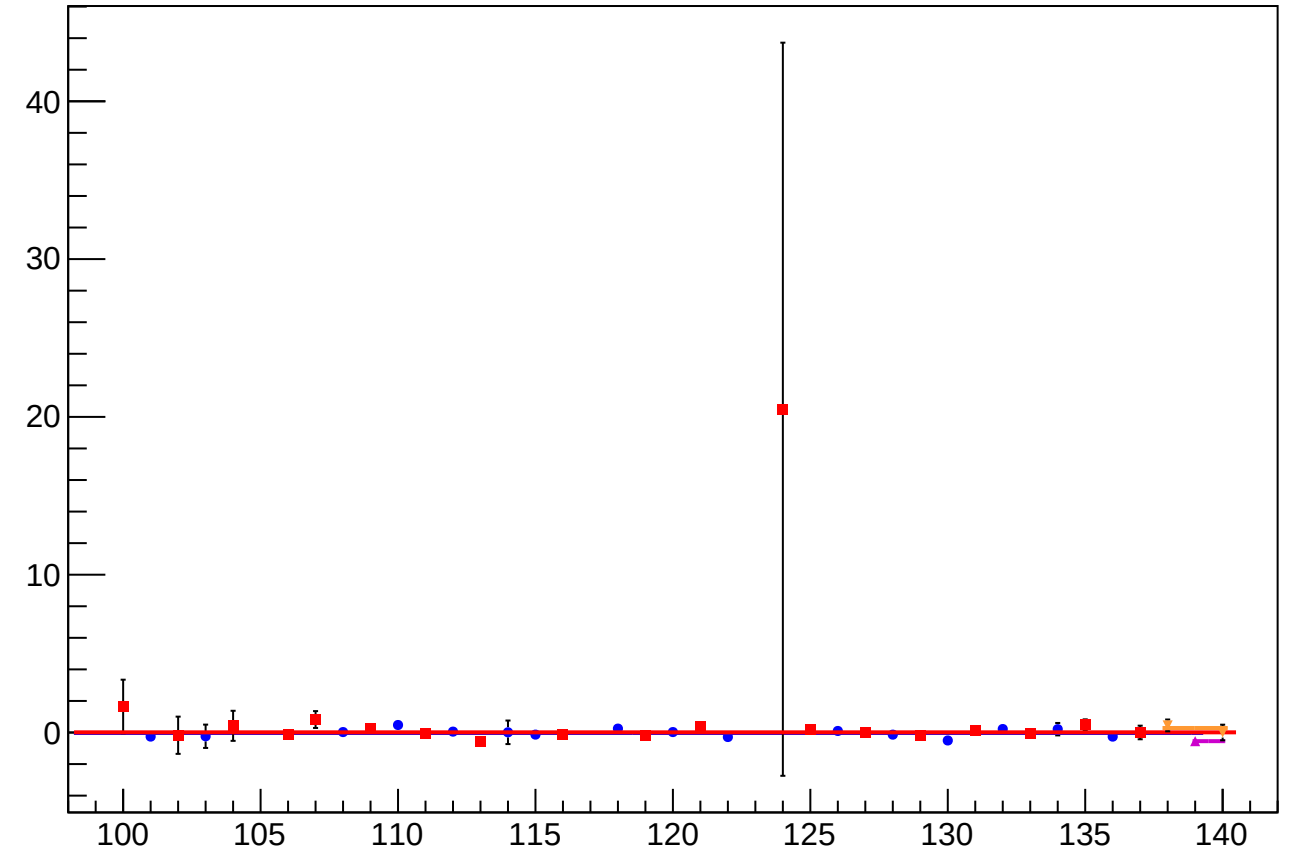
Left: 0.014+/-0.000 χ^2/NDF: 436829.6/2

Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.010+/-0.000 χ^2/NDF:1626335.6/16

Out: 0.003+/-0.000 χ^2/NDF:10571623.5/19

All: 0.004+/-0.000 χ^2/NDF: 17722207.4/36



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.286+/-0.299 χ^2/NDF:0.5/1

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.548+/-0.273 χ^2/NDF:0.0/0

Left: -0.168+/-0.202 χ^2/NDF: 4.8/2

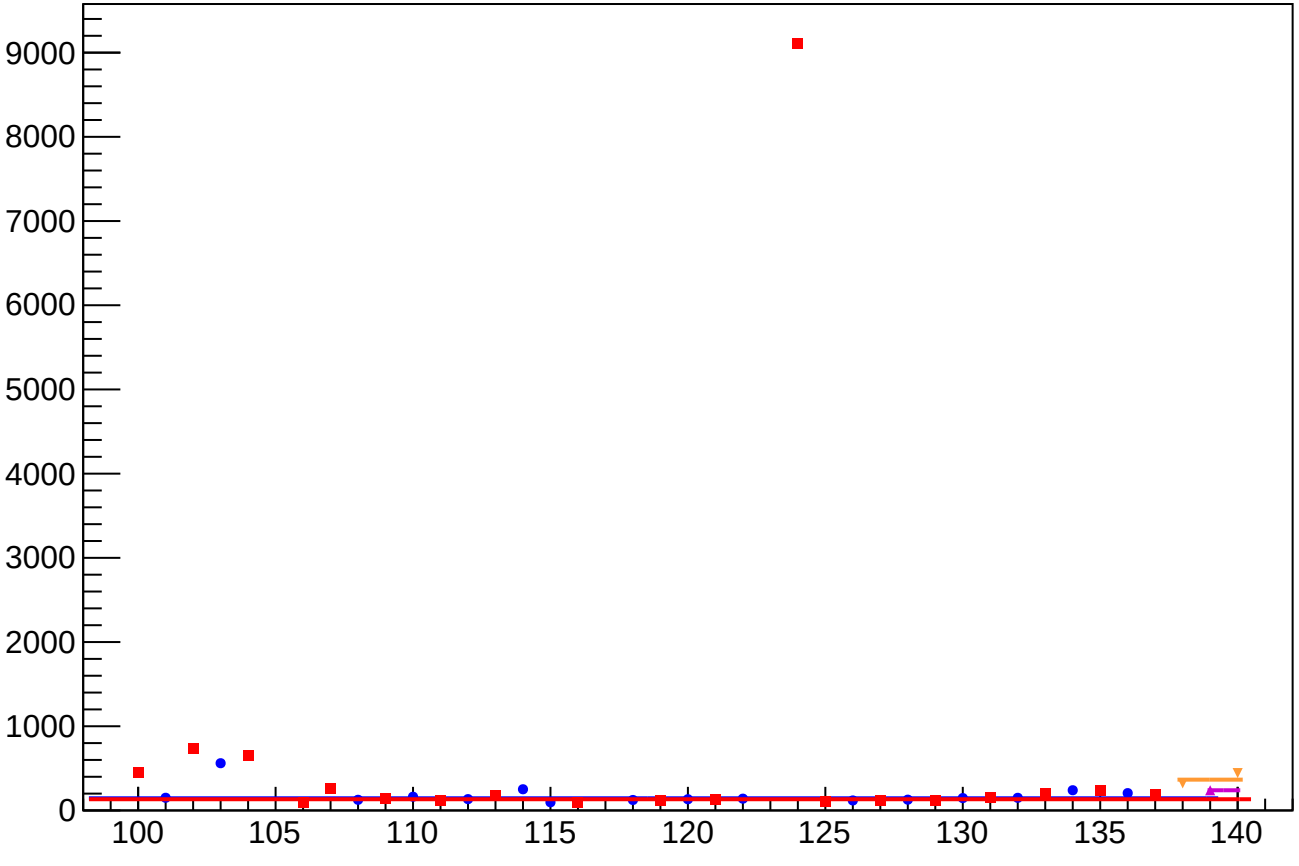
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.051+/-0.057 χ^2/NDF:20.7/16

Out: 0.020+/-0.056 χ^2/NDF:23.1/20

All: -0.015+/-0.040 χ^2/NDF: 44.7/37

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 365.842+/-0.211 χ^2/NDF:77213.2/1

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 239.817+/-0.193 χ^2/NDF:0.0/0

Left: 297.133+/-0.142 χ^2/NDF: 271171.8/2

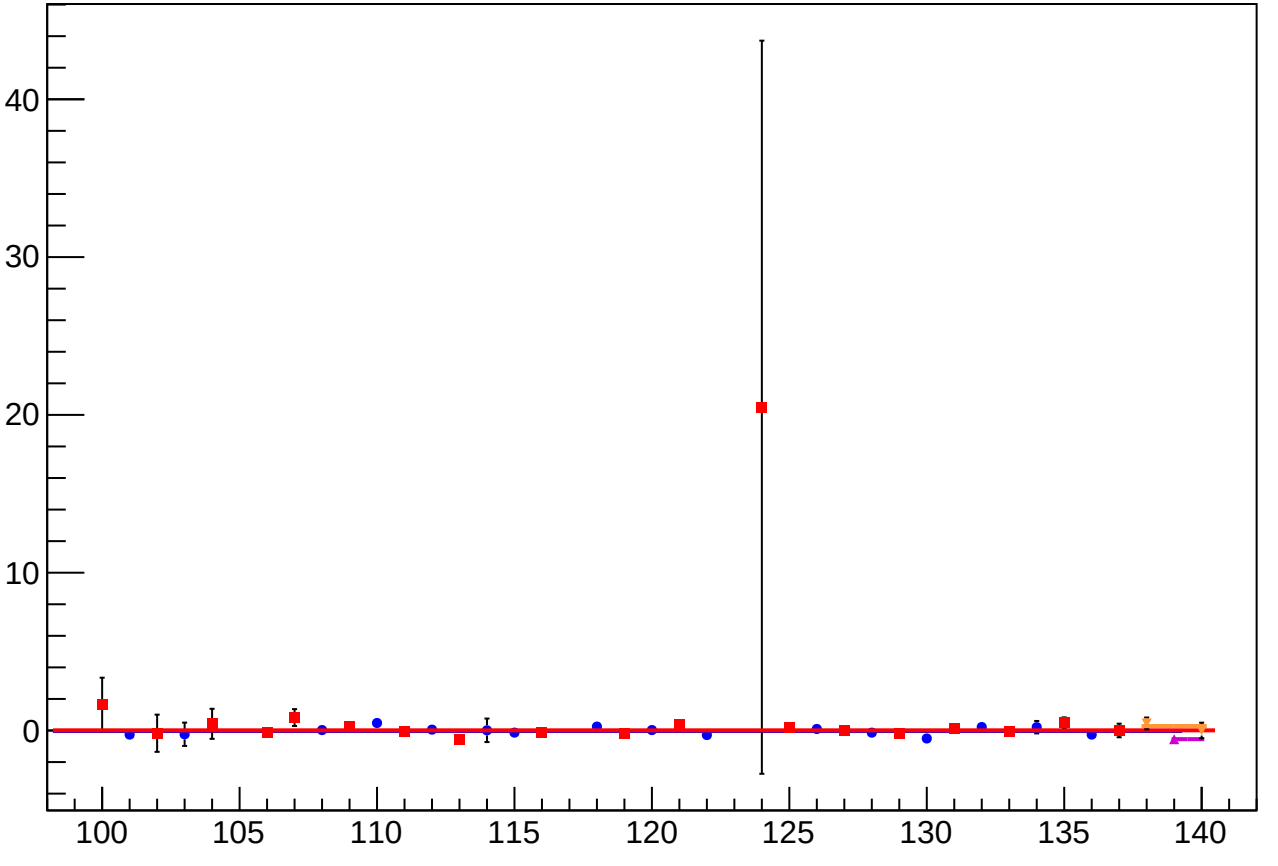
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 148.394+/-0.040 χ^2/NDF:1363318.9/16

Out: 141.285+/-0.039 χ^2/NDF:3467740.1/20

All: 144.773+/-0.028 χ^2/NDF: 4847146.5/37

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.286+/-0.299 χ^2/NDF:0.5/1

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.548+/-0.273 χ^2/NDF:0.0/0

Left: -0.168+/-0.202 χ^2/NDF: 4.8/2

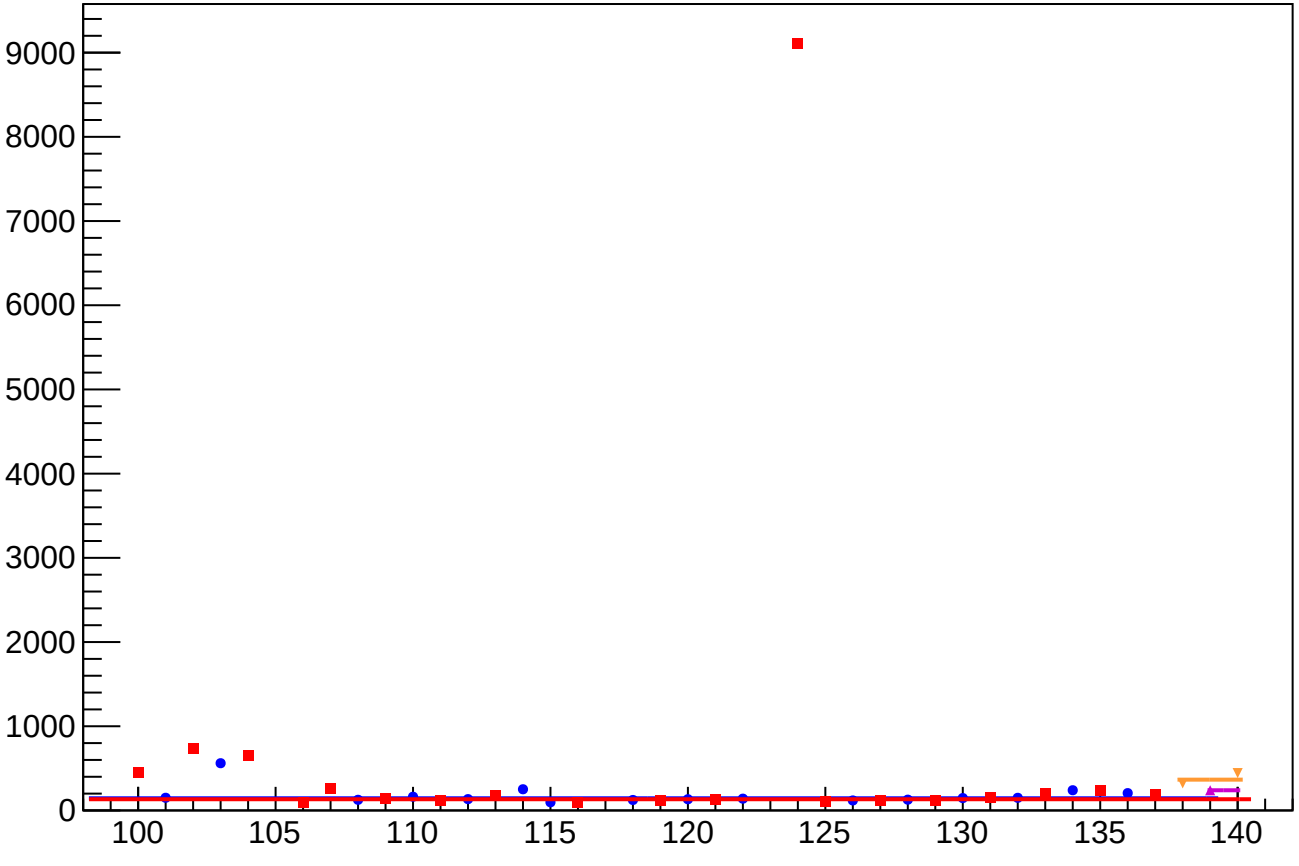
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.051+/-0.057 χ^2/NDF:20.7/16

Out: 0.020+/-0.056 χ^2/NDF:23.1/20

All: -0.015+/-0.040 χ^2/NDF: 44.7/37

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 365.842+/-0.211 χ^2/NDF:77213.2/1

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 239.817+/-0.193 χ^2/NDF:0.0/0

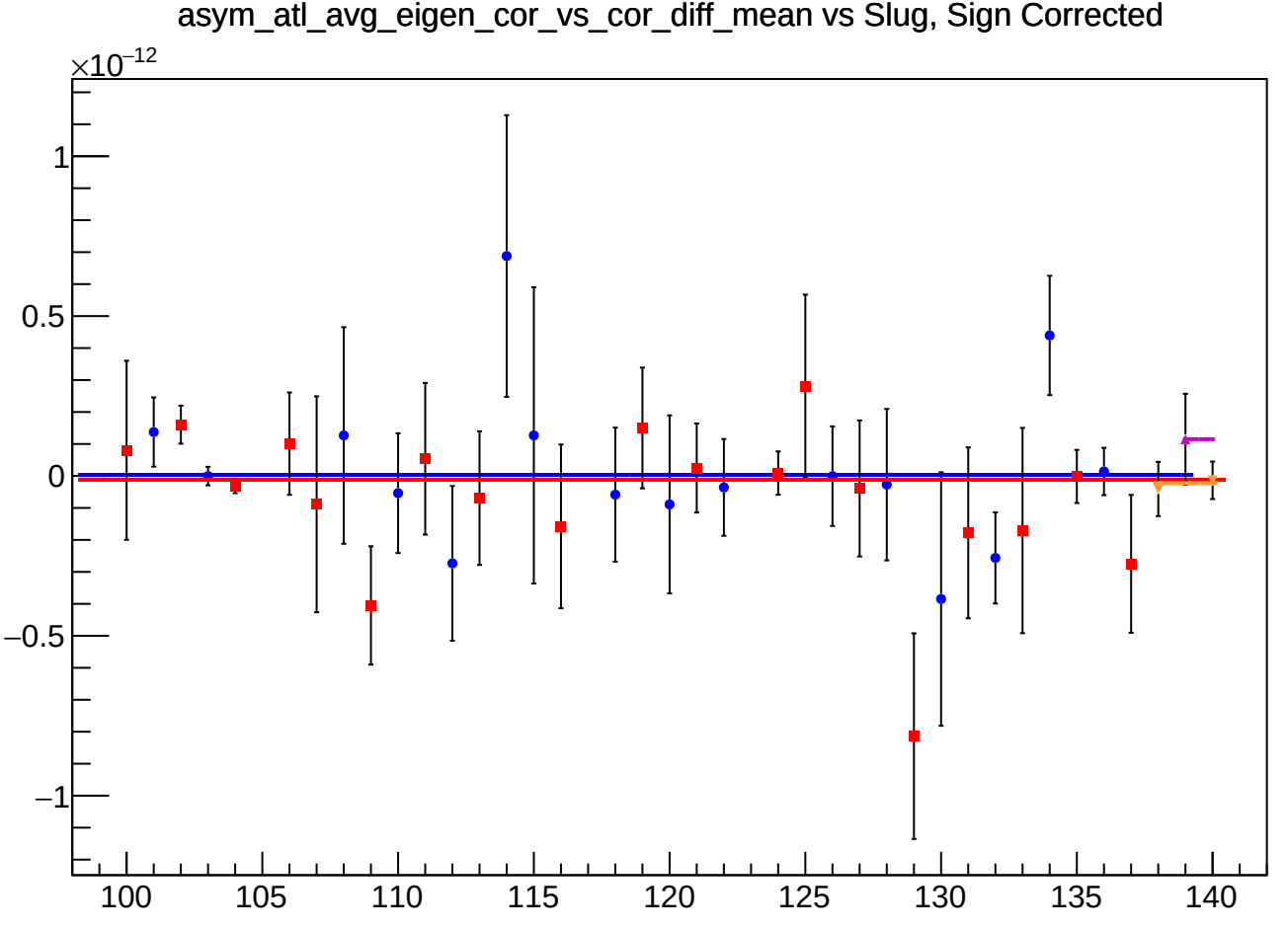
Left: 297.133+/-0.142 χ^2/NDF: 271171.8/2

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 148.394+/-0.040 χ^2/NDF:1363318.9/16

Out: 141.285+/-0.039 χ^2/NDF:3467740.1/20

All: 144.773+/-0.028 χ^2/NDF: 4847146.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

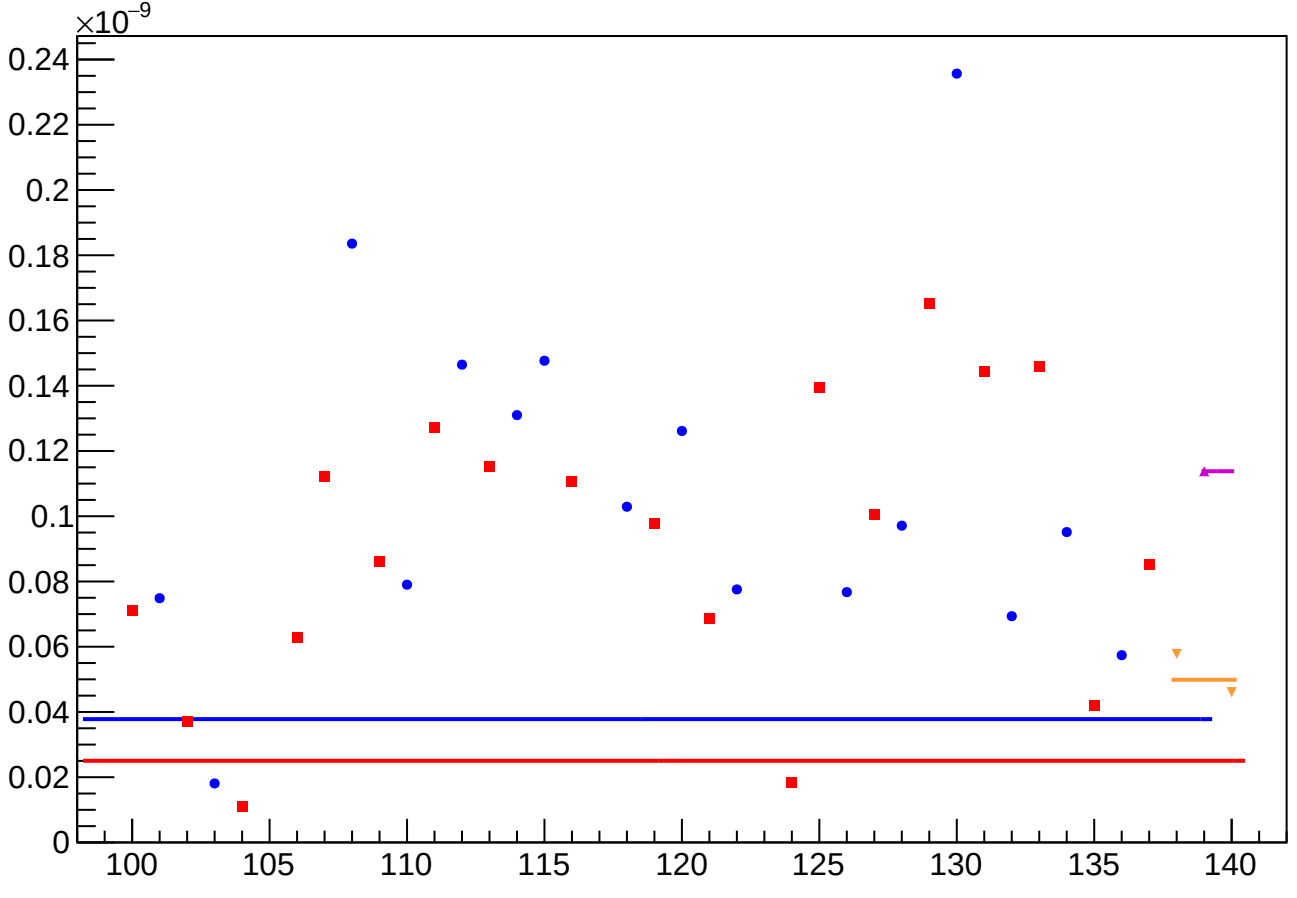
Left: -0.000+/-0.000 χ^2/NDF: 0.9/2

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:16.2/16

Out: -0.000+/-0.000 χ^2/NDF:25.2/20

All: -0.000+/-0.000 χ^2/NDF: 41.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25800.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

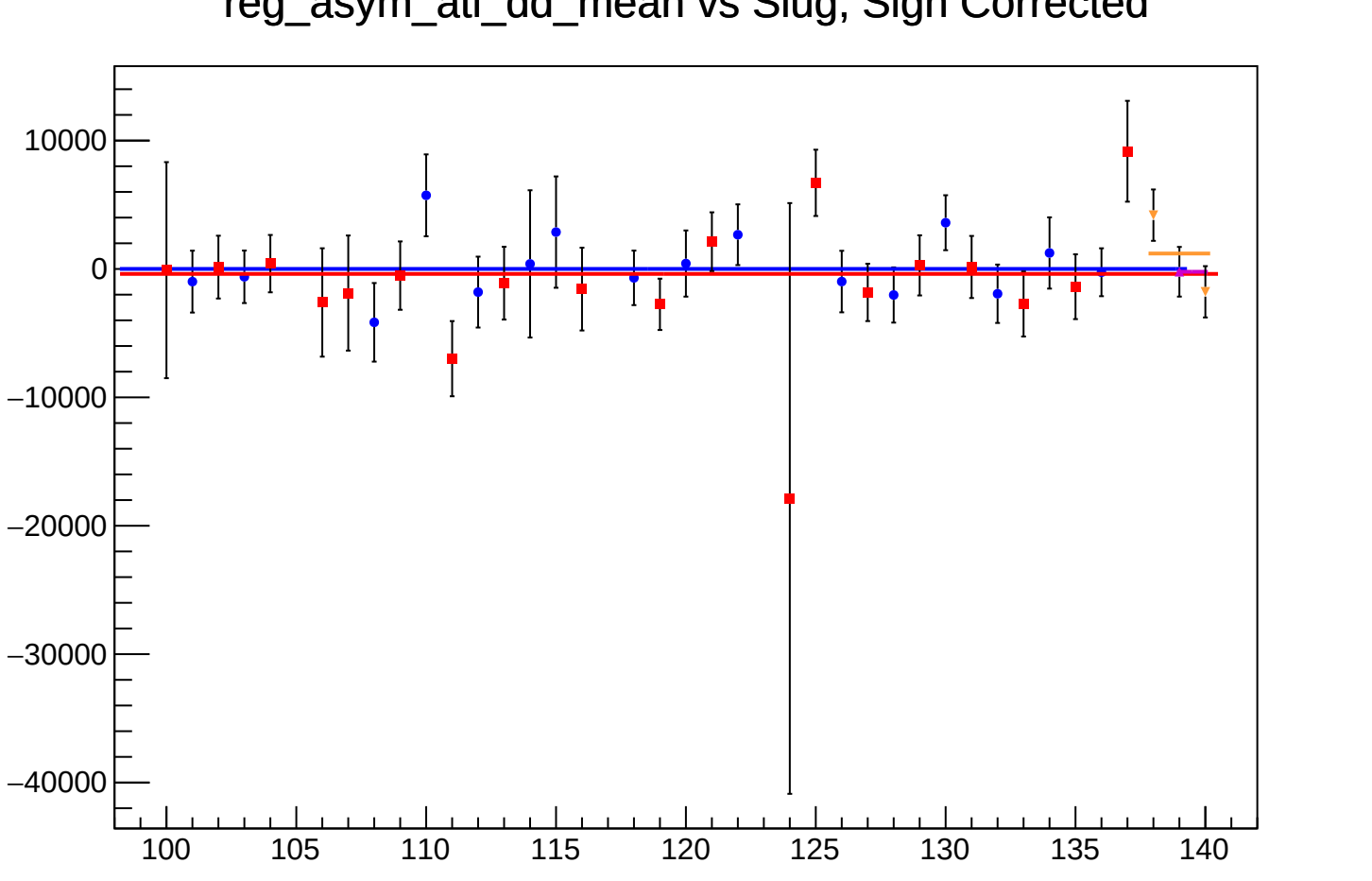
Left: 0.000+/-0.000 χ^2/NDF: 389133.1/2

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:4499588.2/16

Out: 0.000+/-0.000 χ^2/NDF:5188776.5/20

All: 0.000+/-0.000 χ^2/NDF: 10006172.1/37



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1203.305+/-1413.676 χ^2/NDF:4.5/1

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -217.280+/-1934.561 χ^2/NDF:0.0/0

Left: 708.790+/-1141.401 χ^2/NDF: 4.8/2

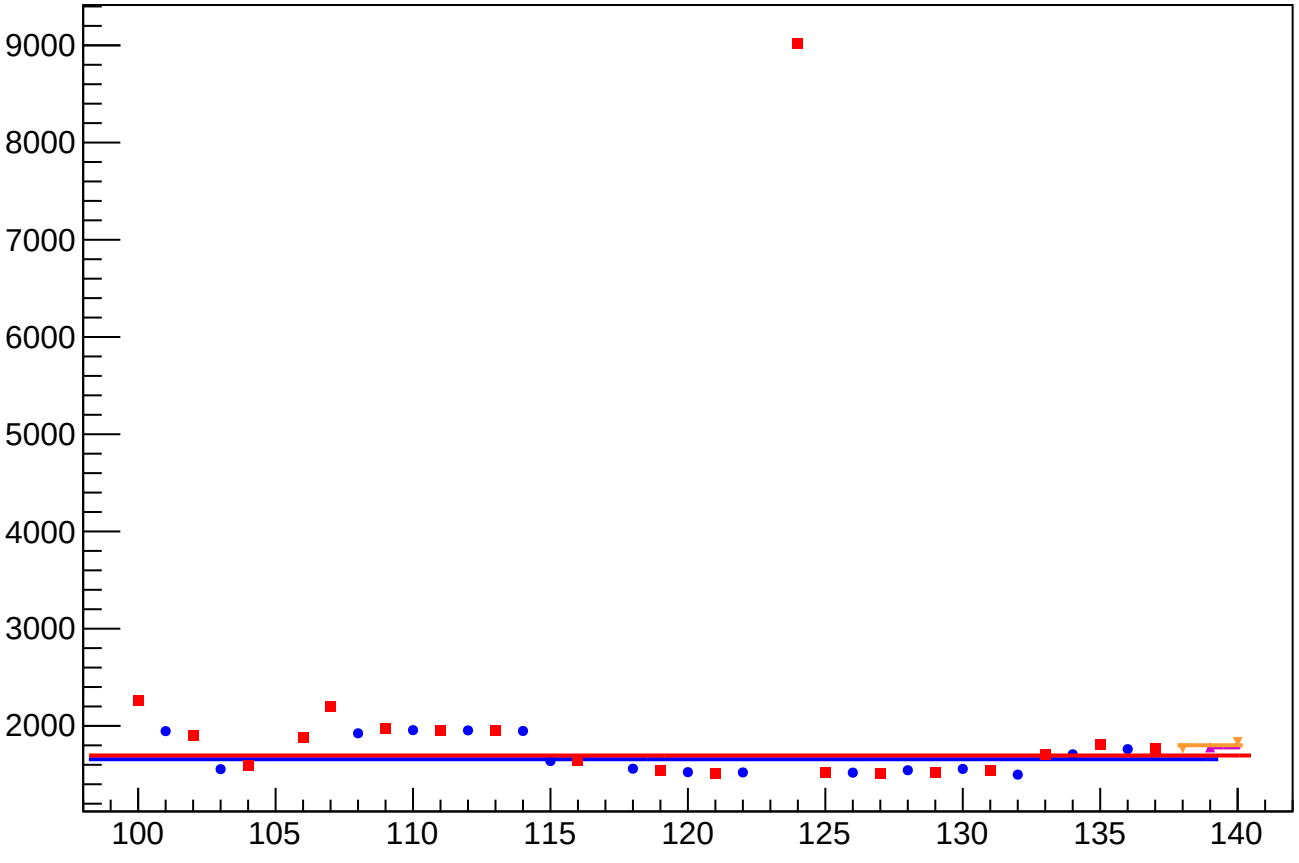
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -16.267+/-590.338 χ^2/NDF:12.5/16

Out: -119.057+/-578.246 χ^2/NDF:29.6/20

All: -68.725+/-413.090 χ^2/NDF: 42.0/37

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1801.034+/-1.000 χ^2/NDF:1149.7/1

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1779.203+/-1.368 χ^2/NDF:0.0/0

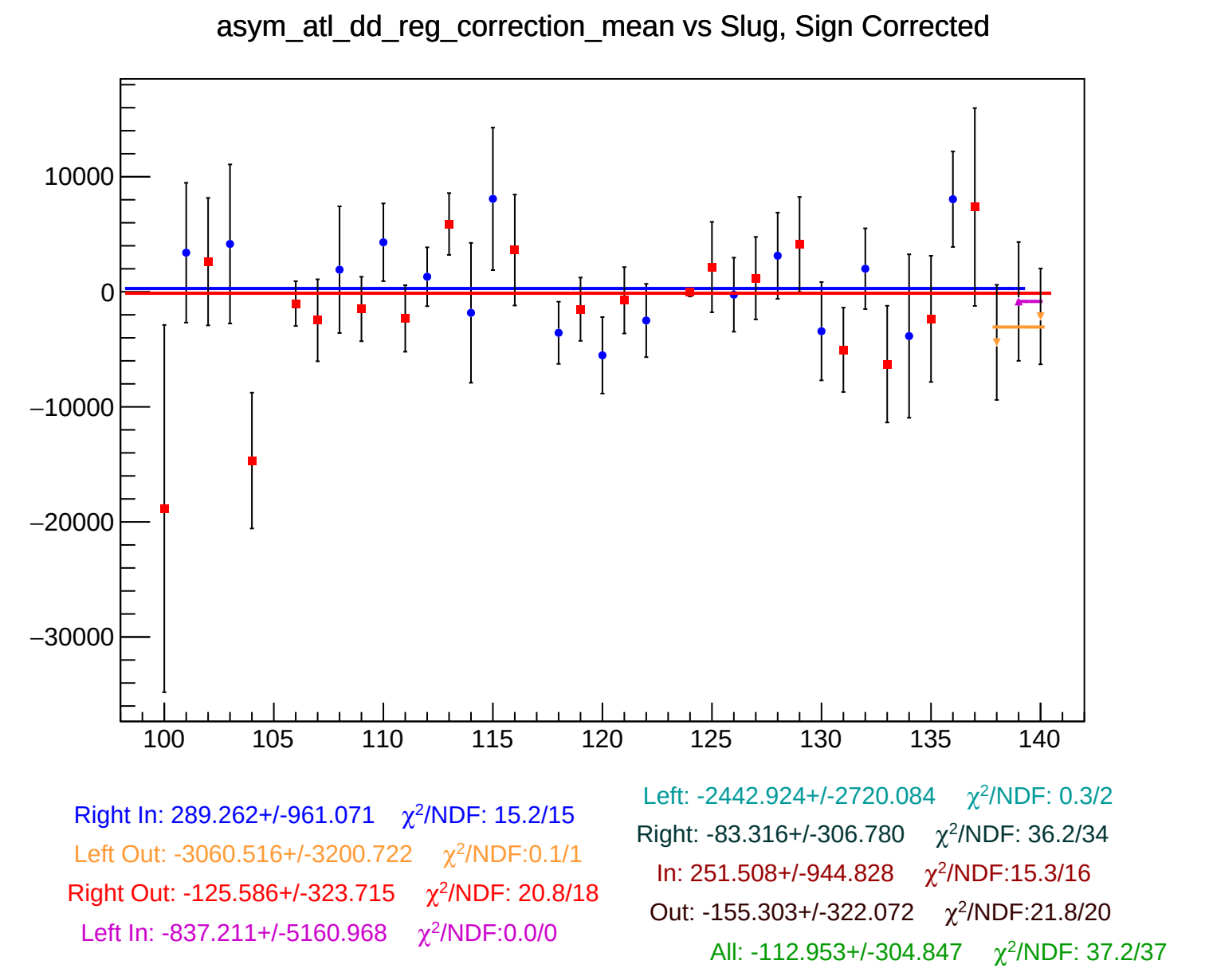
Left: 1793.434+/-0.807 χ^2/NDF: 1315.7/2

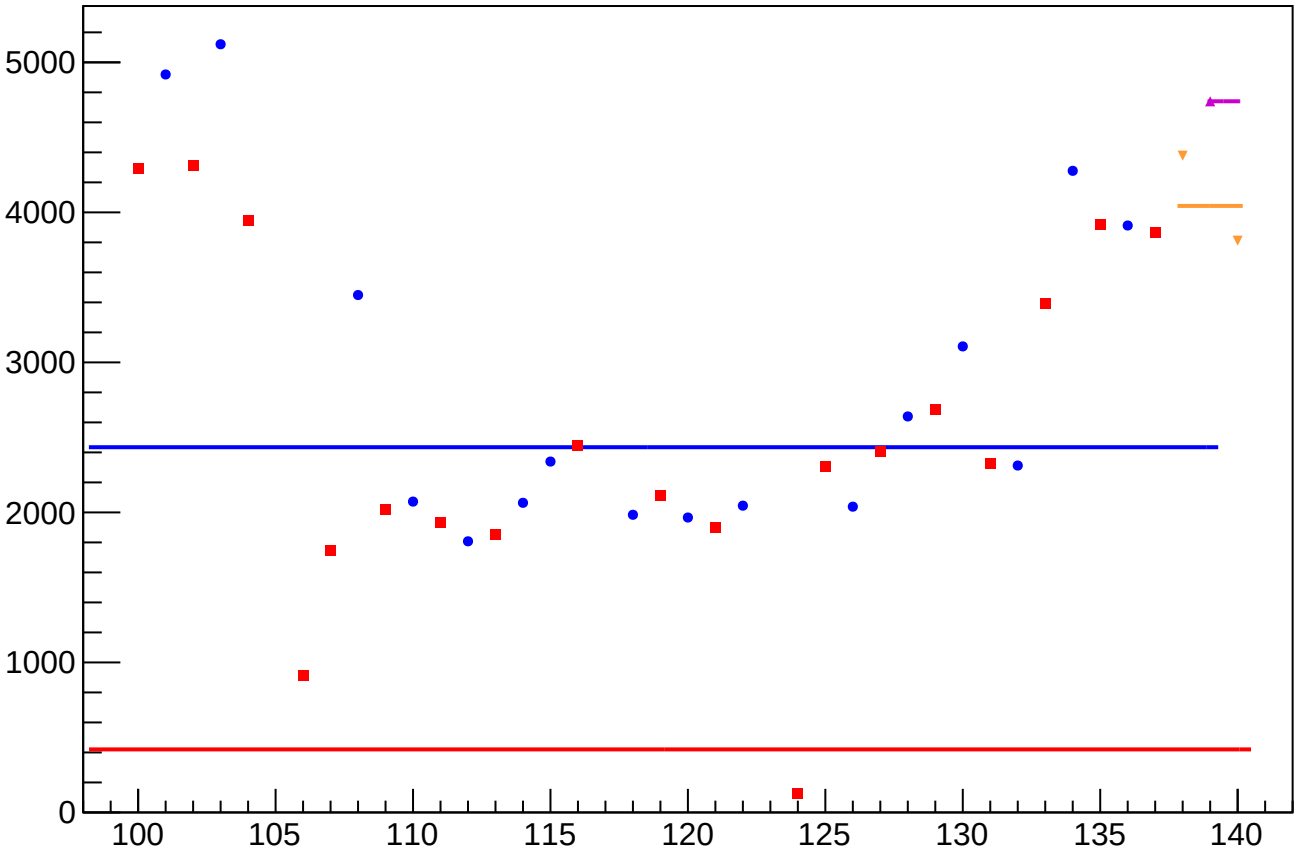
Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1668.487+/-0.417 χ^2/NDF:151205.7/16

Out: 1713.146+/-0.407 χ^2/NDF:396635.0/20

All: 1691.364+/-0.292 χ^2/NDF: 553703.9/37


asym_atl_dd_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
Right In: 289.262+/-961.071 χ²/NDF: 15.2/15
Left Out: -3060.516+/-3200.722 χ²/NDF:0.1/1
Right Out: -125.586+/-323.715 χ²/NDF: 20.8/18
Left In: -837.211+/-5160.968 χ²/NDF:0.0/0
Left: -2442.924+/-2720.084 χ²/NDF: 0.3/2
Right: -83.316+/-306.780 χ²/NDF: 36.2/34
In: 251.508+/-944.828 χ²/NDF:15.3/16
Out: -155.303+/-322.072 χ²/NDF:21.8/20
All: -112.953+/-304.847 χ²/NDF: 37.2/37



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 4043.115+/-2.263 χ^2/NDF:15157.3/1

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4740.463+/-3.649 χ^2/NDF:0.0/0

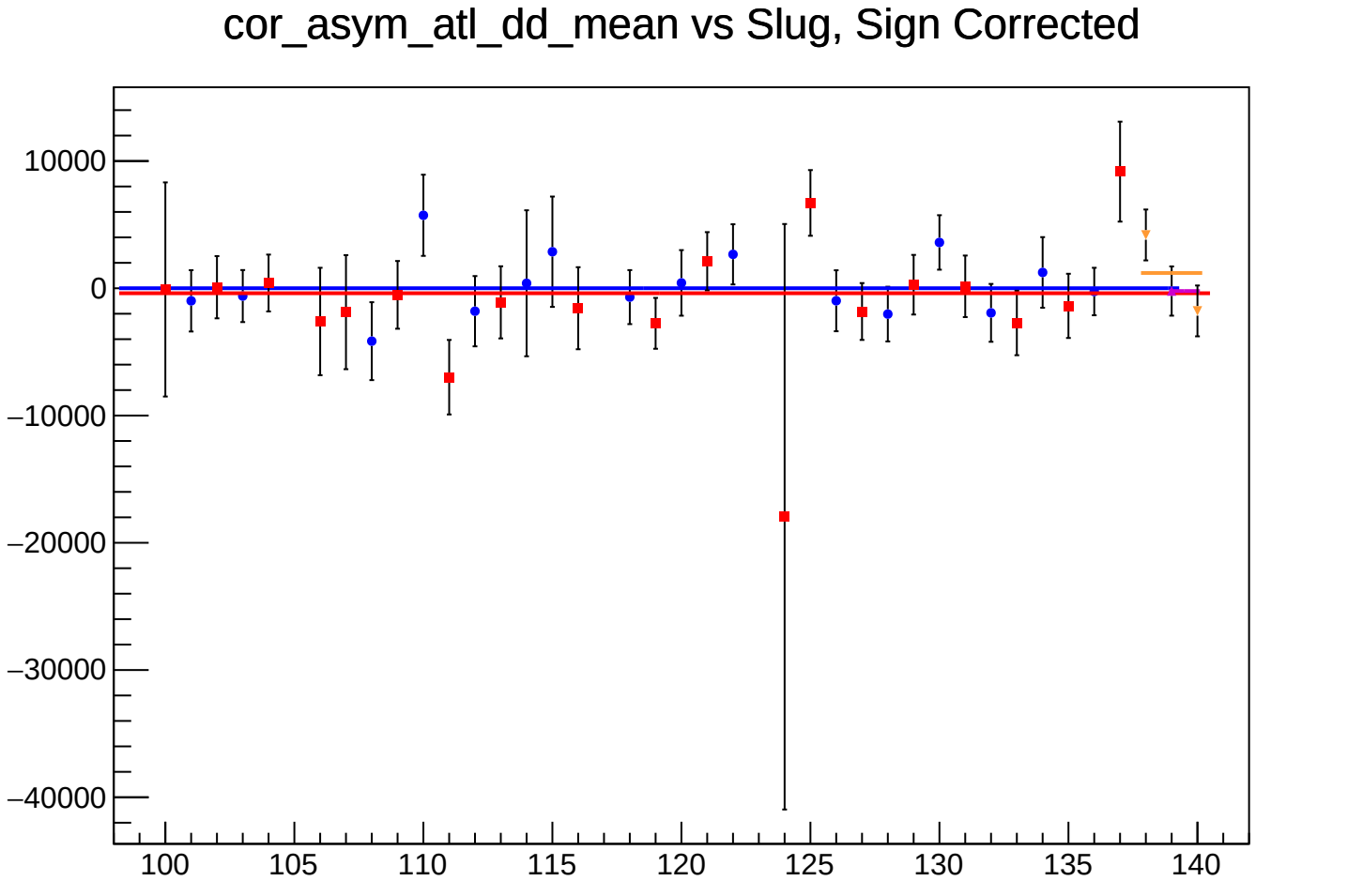
Left: 4236.825+/-1.923 χ^2/NDF: 41528.8/2

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2511.875+/-0.668 χ^2/NDF:1843583.6/16

Out: 456.974+/-0.228 χ^2/NDF:13615478.3/20

All: 670.893+/-0.216 χ^2/NDF: 23934548.3/37



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1203.178+/-1413.676 χ^2/NDF:4.5/1

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -216.866+/-1934.561 χ^2/NDF:0.0/0

Left: 708.852+/-1141.401 χ^2/NDF: 4.8/2

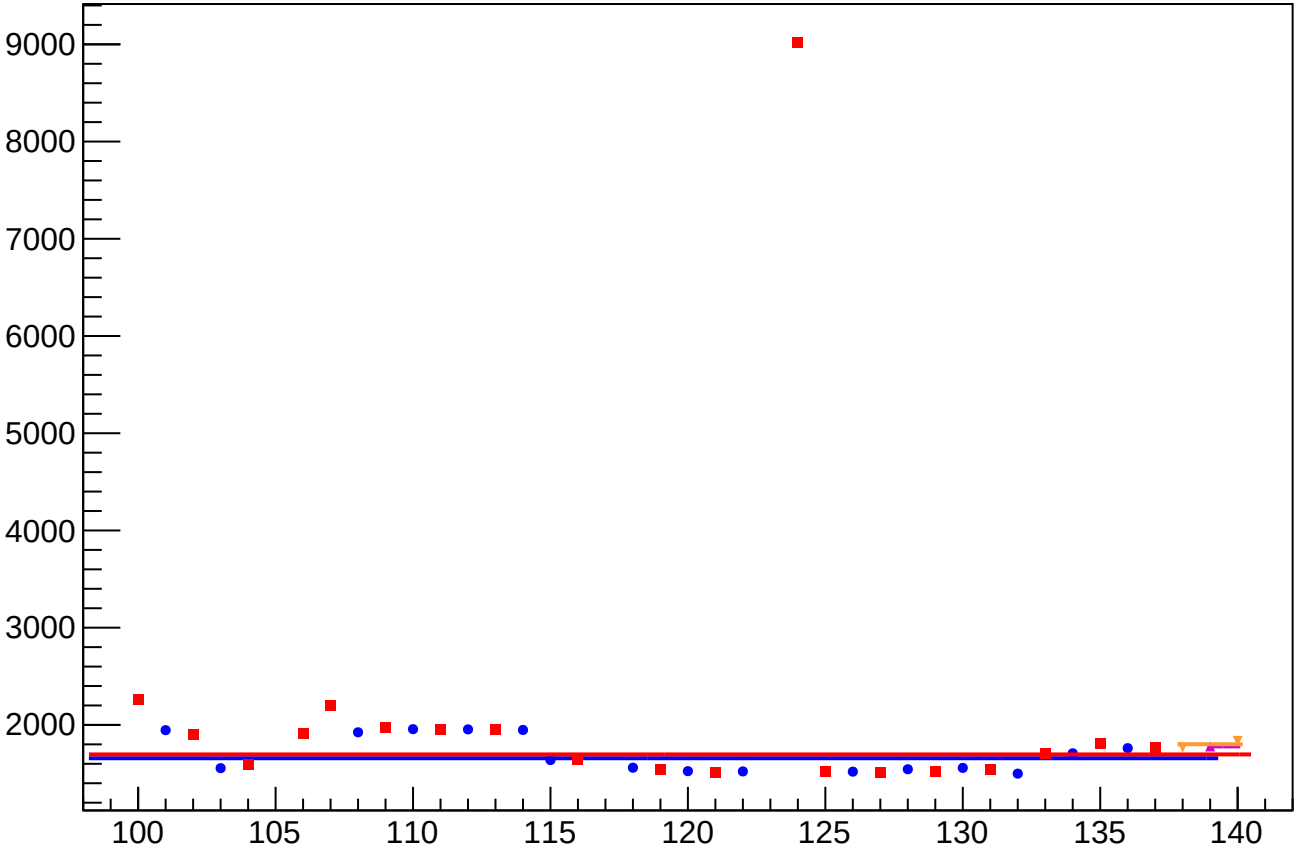
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -16.299+/-590.338 χ^2/NDF:12.5/16

Out: -122.652+/-578.251 χ^2/NDF:29.6/20

All: -70.575+/-413.092 χ^2/NDF: 42.0/37

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1801.034+/-1.000 χ^2/NDF:1149.7/1

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1779.203+/-1.368 χ^2/NDF:0.0/0

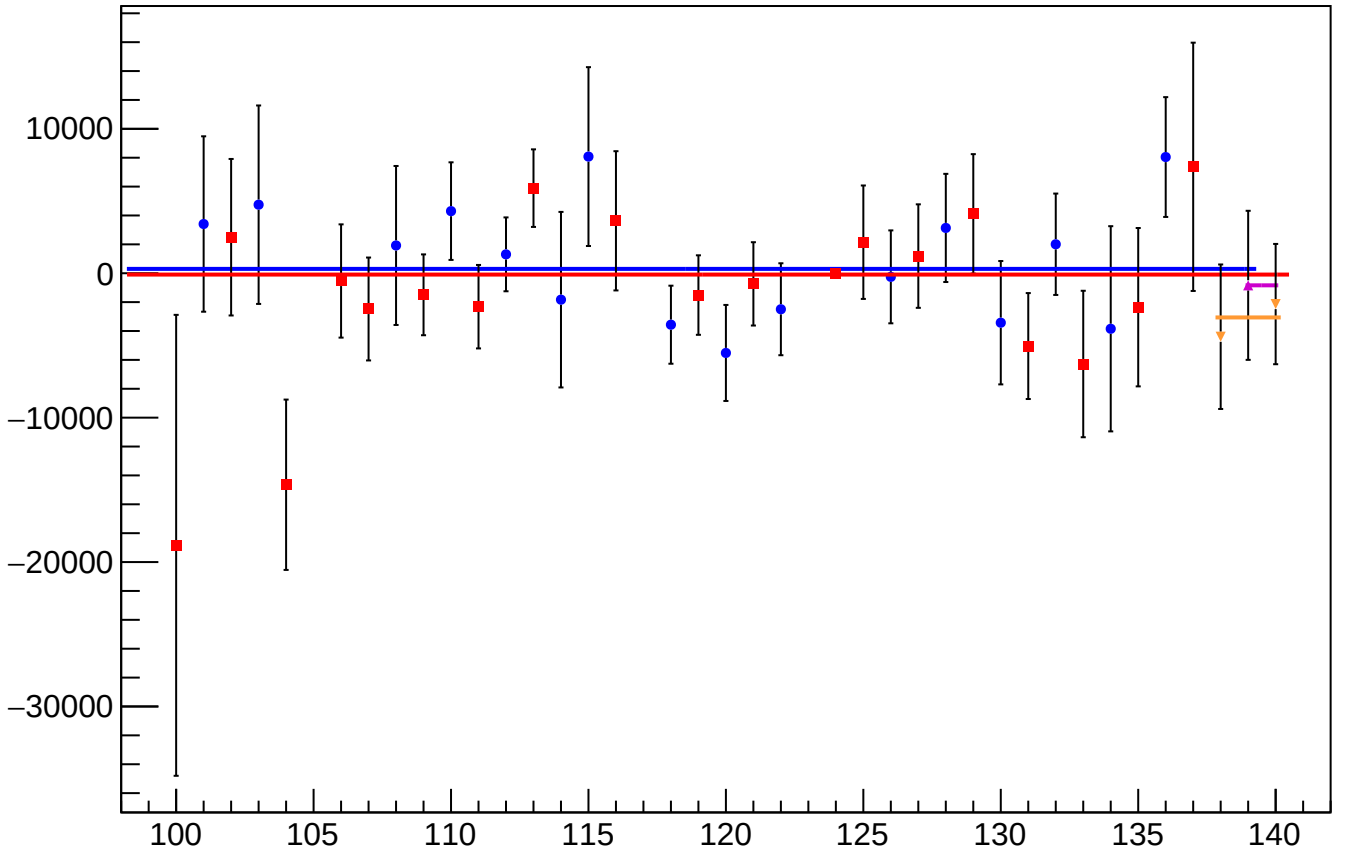
Left: 1793.434+/-0.807 χ^2/NDF: 1315.7/2

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1668.487+/-0.417 χ^2/NDF:151205.8/16

Out: 1713.822+/-0.407 χ^2/NDF:398252.7/20

All: 1691.701+/-0.292 χ^2/NDF: 555498.1/37



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: -3060.650+/-3200.720 χ^2/NDF:0.1/1

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -837.122+/-5160.953 χ^2/NDF:0.0/0

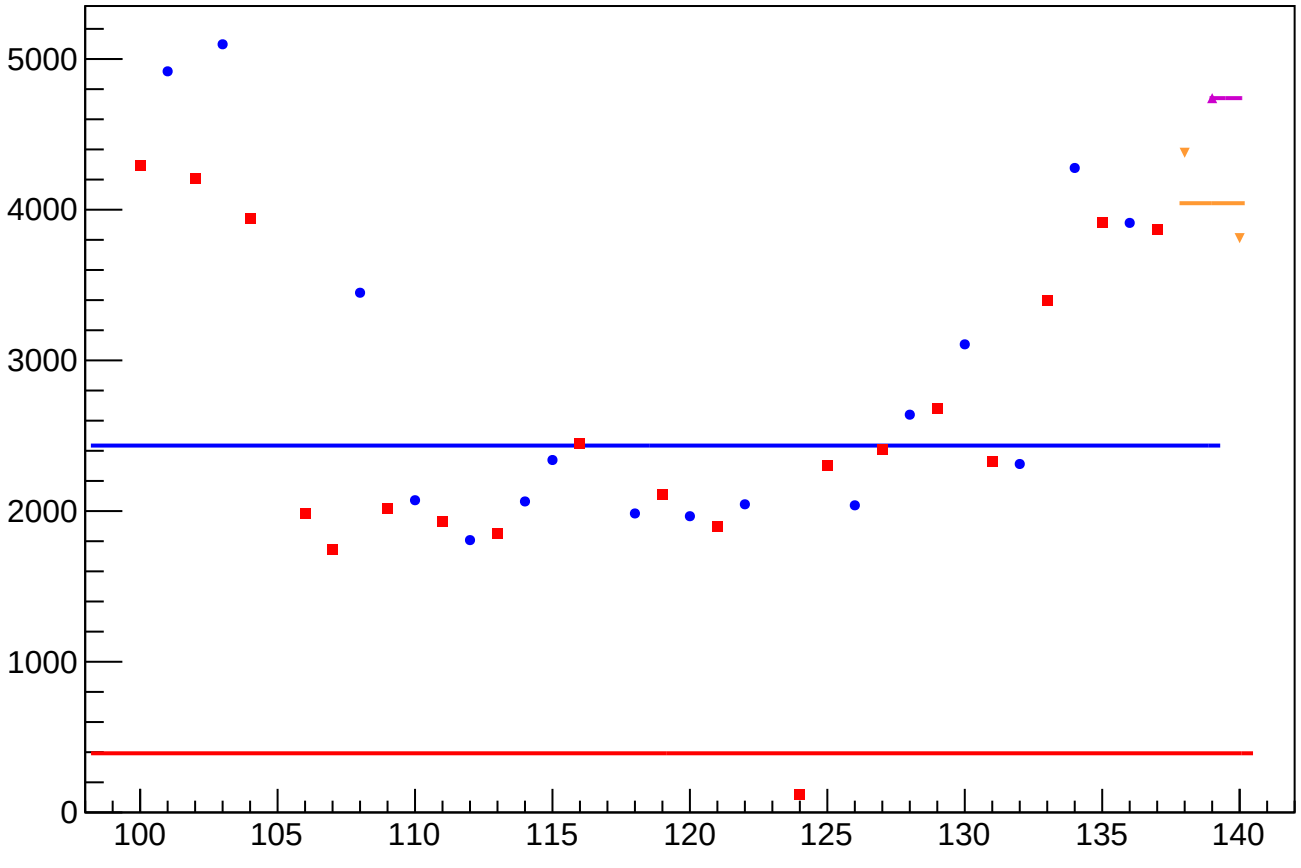
Left: -2442.994+/-2720.081 χ^2/NDF: 0.3/2

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 263.675+/-944.716 χ^2/NDF:15.4/16

Out: -120.854+/-314.232 χ^2/NDF:21.6/20

All: -82.549+/-298.170 χ^2/NDF: 37.1/37



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 4043.113+/-2.263 χ^2/NDF:15156.8/1

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4740.449+/-3.649 χ^2/NDF:0.0/0

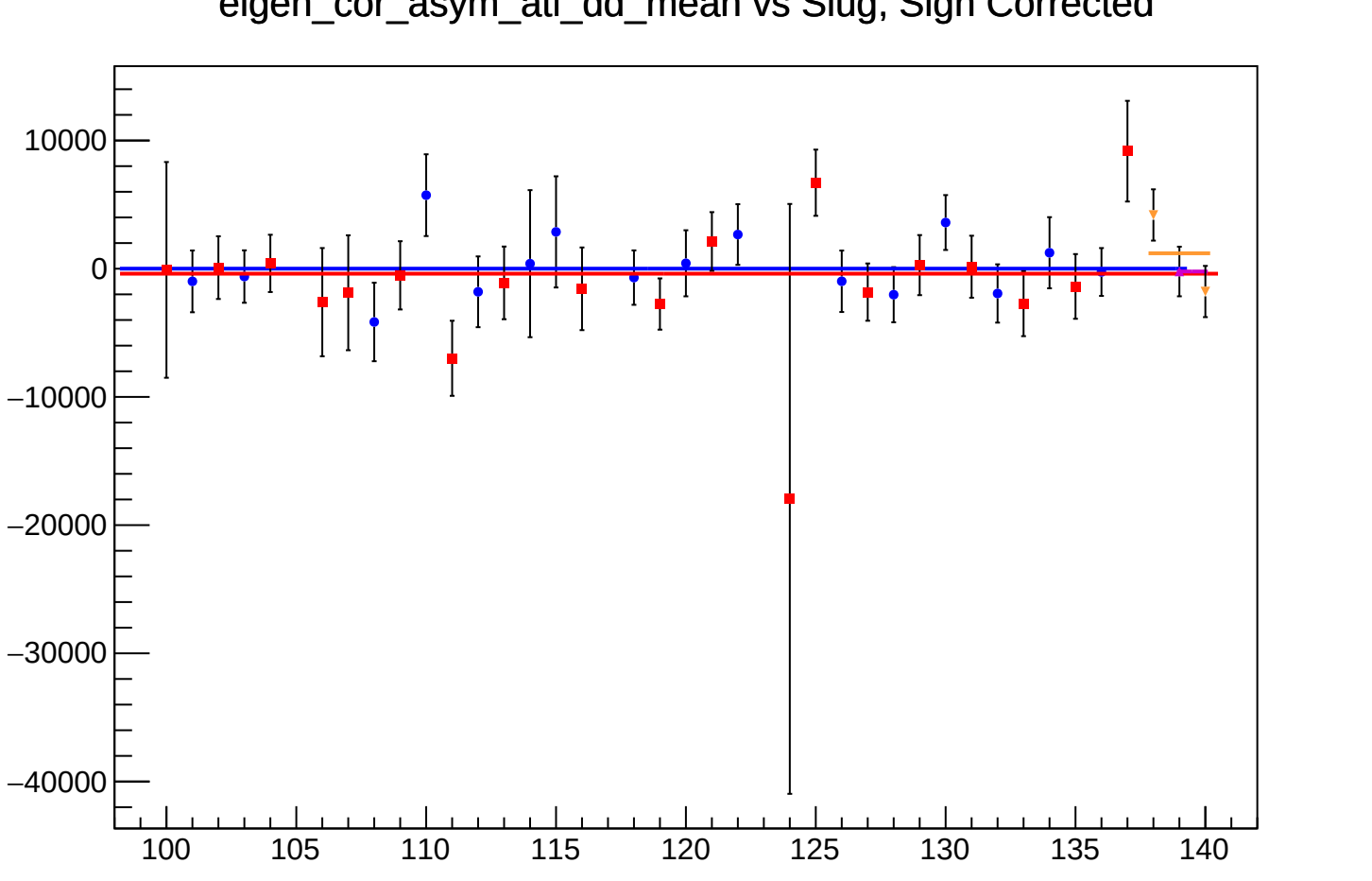
Left: 4236.820+/-1.923 χ^2/NDF: 41527.6/2

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2512.016+/-0.668 χ^2/NDF:1841835.2/16

Out: 427.850+/-0.222 χ^2/NDF:13999605.8/20

All: 635.465+/-0.211 χ^2/NDF: 24605809.7/37



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1203.178+/-1413.676 χ^2/NDF:4.5/1

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -216.866+/-1934.561 χ^2/NDF:0.0/0

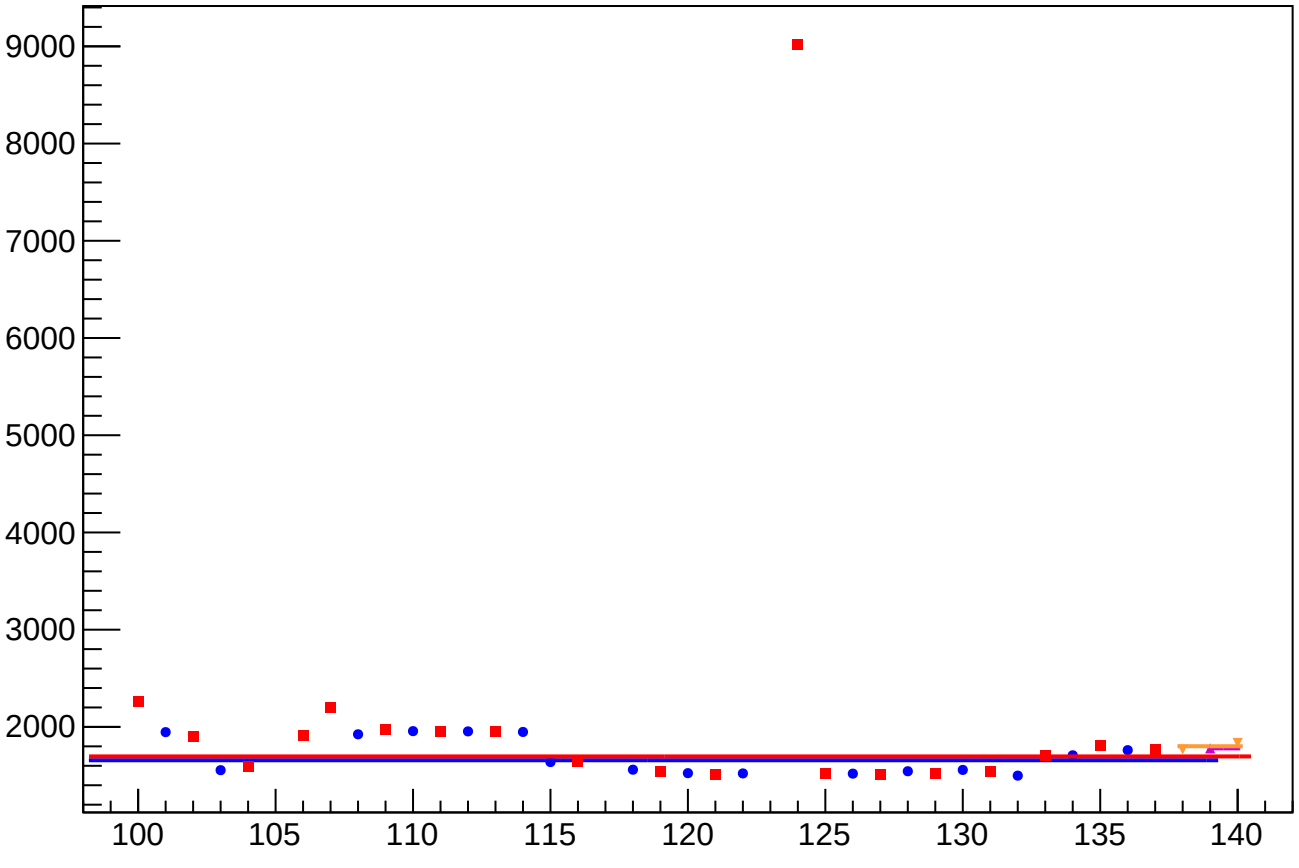
Left: 708.852+/-1141.401 χ^2/NDF: 4.8/2

Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -16.299+/-590.338 χ^2/NDF:12.5/16

Out: -122.652+/-578.251 χ^2/NDF:29.6/20

All: -70.575+/-413.092 χ^2/NDF: 42.0/37



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1801.034+/-1.000 χ^2/NDF:1149.7/1

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1779.203+/-1.368 χ^2/NDF:0.0/0

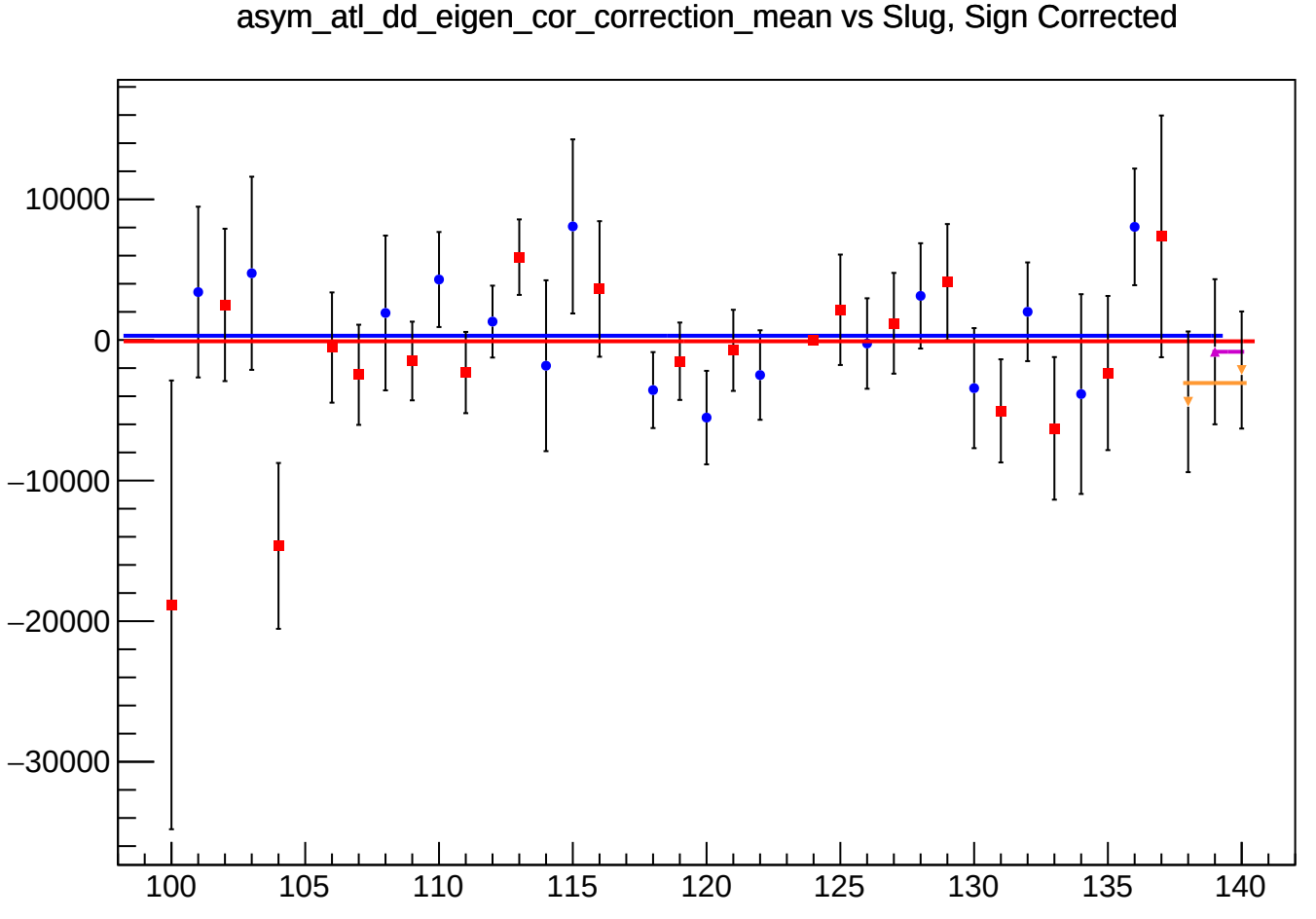
Left: 1793.434+/-0.807 χ^2/NDF: 1315.7/2

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1668.487+/-0.417 χ^2/NDF:151205.8/16

Out: 1713.822+/-0.407 χ^2/NDF:398252.7/20

All: 1691.701+/-0.292 χ^2/NDF: 555498.1/37



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: -3060.650+/-3200.720 χ^2/NDF:0.1/1

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -837.122+/-5160.953 χ^2/NDF:0.0/0

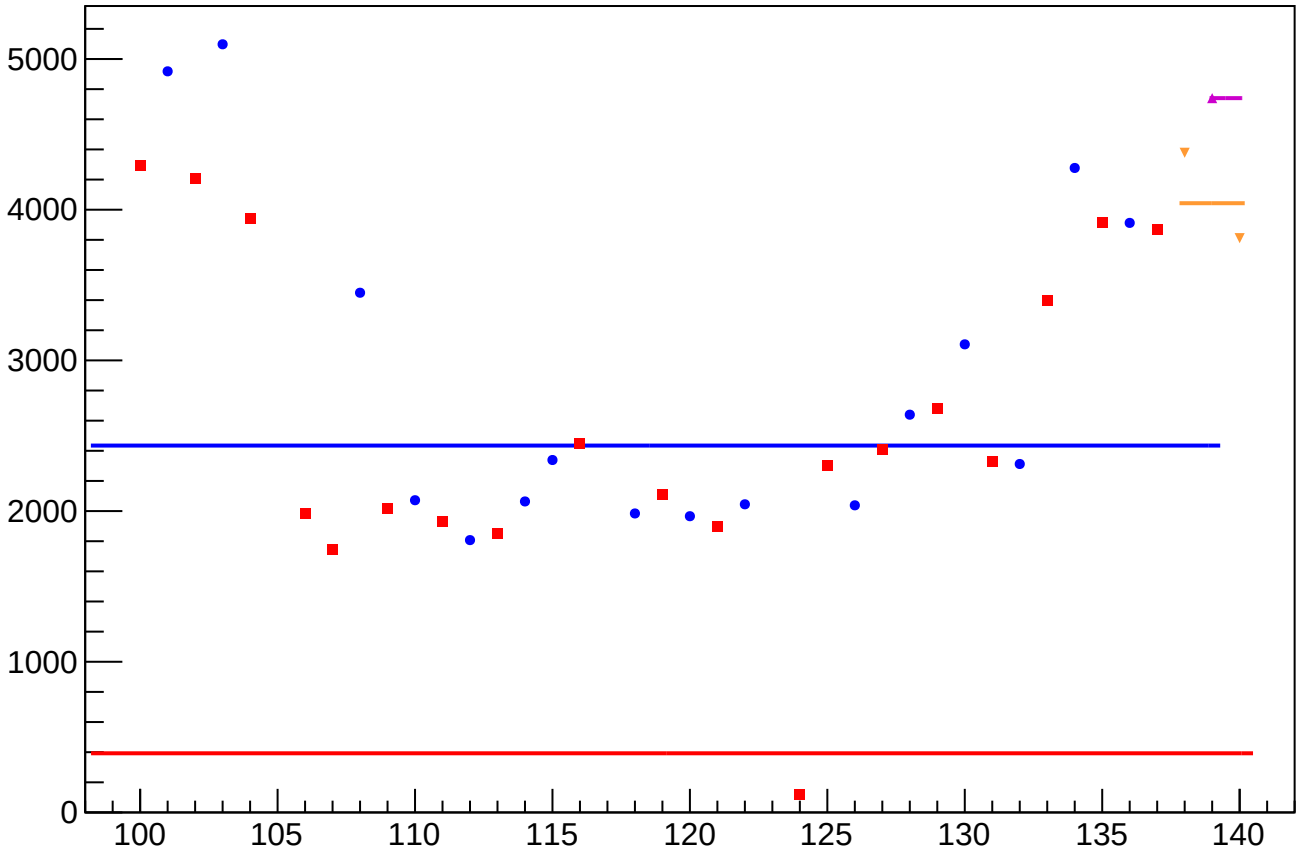
Left: -2442.994+/-2720.081 χ^2/NDF: 0.3/2

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 263.675+/-944.716 χ^2/NDF:15.4/16

Out: -120.854+/-314.232 χ^2/NDF:21.6/20

All: -82.549+/-298.170 χ^2/NDF: 37.1/37



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 4043.113+/-2.263 χ^2/NDF:15156.8/1

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4740.449+/-3.649 χ^2/NDF:0.0/0

Left: 4236.820+/-1.923 χ^2/NDF: 41527.6/2

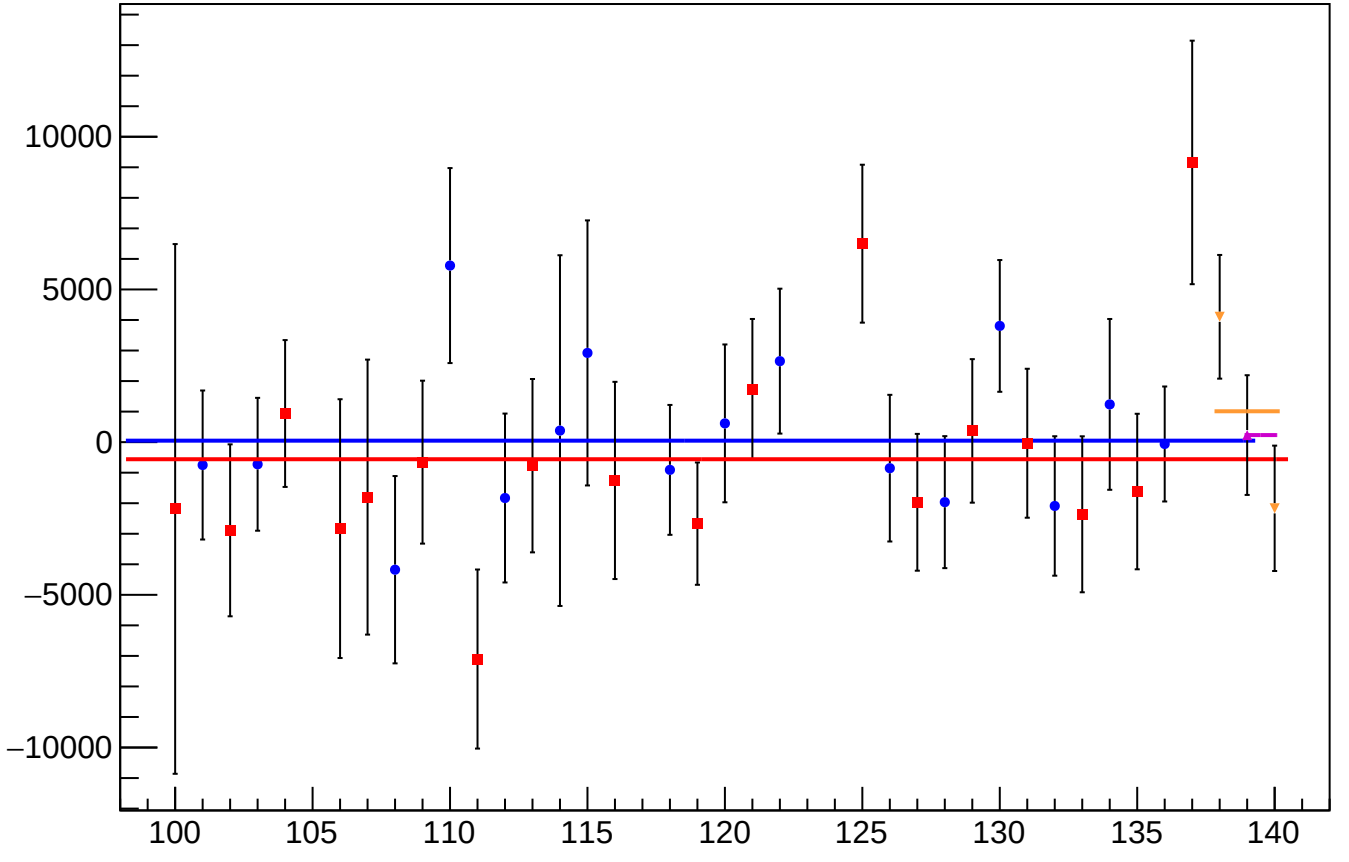
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2512.016+/-0.668 χ^2/NDF:1841835.2/16

Out: 427.850+/-0.222 χ^2/NDF:13999605.8/20

All: 635.465+/-0.211 χ^2/NDF: 24605809.7/37

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1010.751+/-1441.820 χ^2/NDF:4.7/1

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: 231.534+/-1960.092 χ^2/NDF:0.0/0

Left: 737.161+/-1161.441 χ^2/NDF: 4.8/2

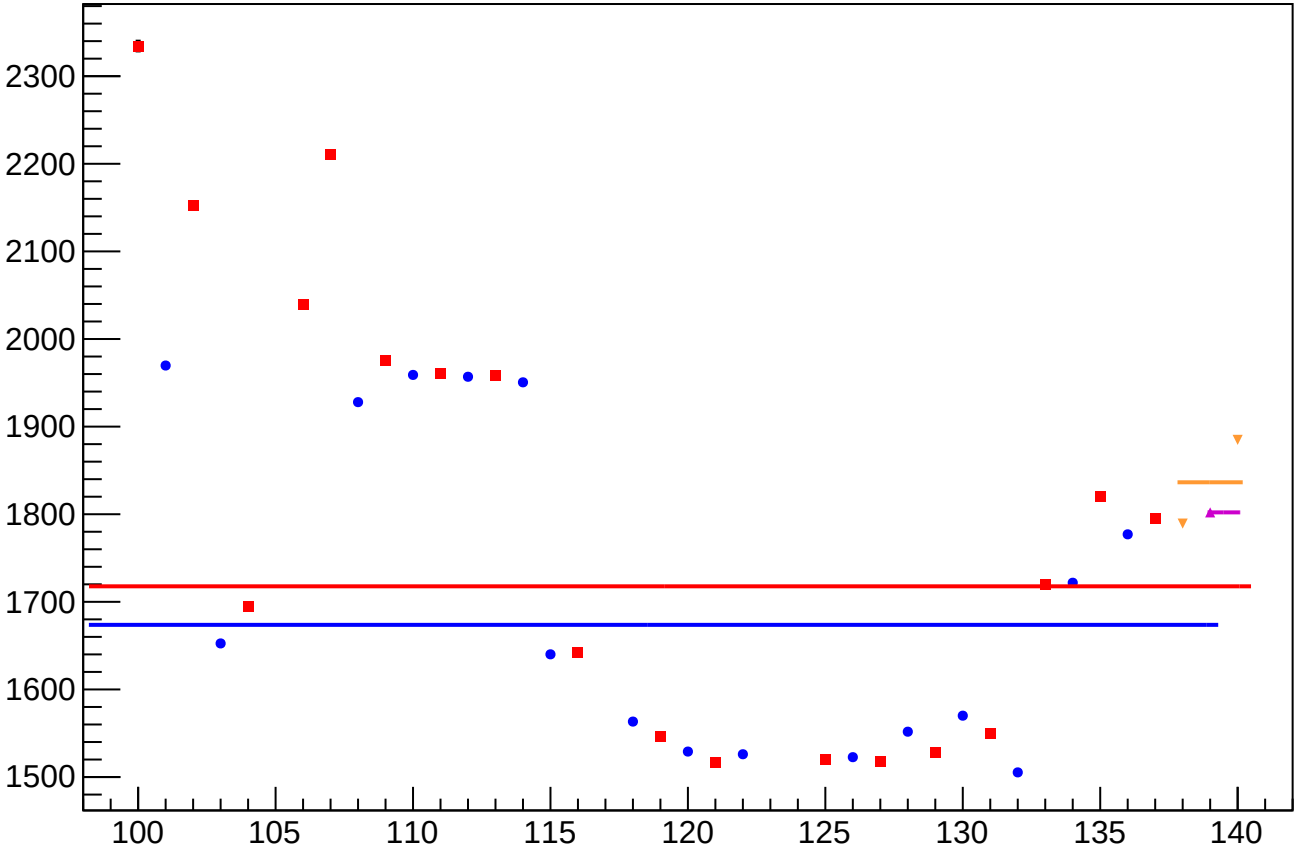
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: 65.296+/-596.456 χ^2/NDF:12.8/16

Out: -297.542+/-588.993 χ^2/NDF:29.0/19

All: -118.408+/-419.095 χ^2/NDF: 42.0/36

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1836.455+/-1.020 χ^2/NDF:2196.3/1

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1802.113+/-1.386 χ^2/NDF:0.0/0

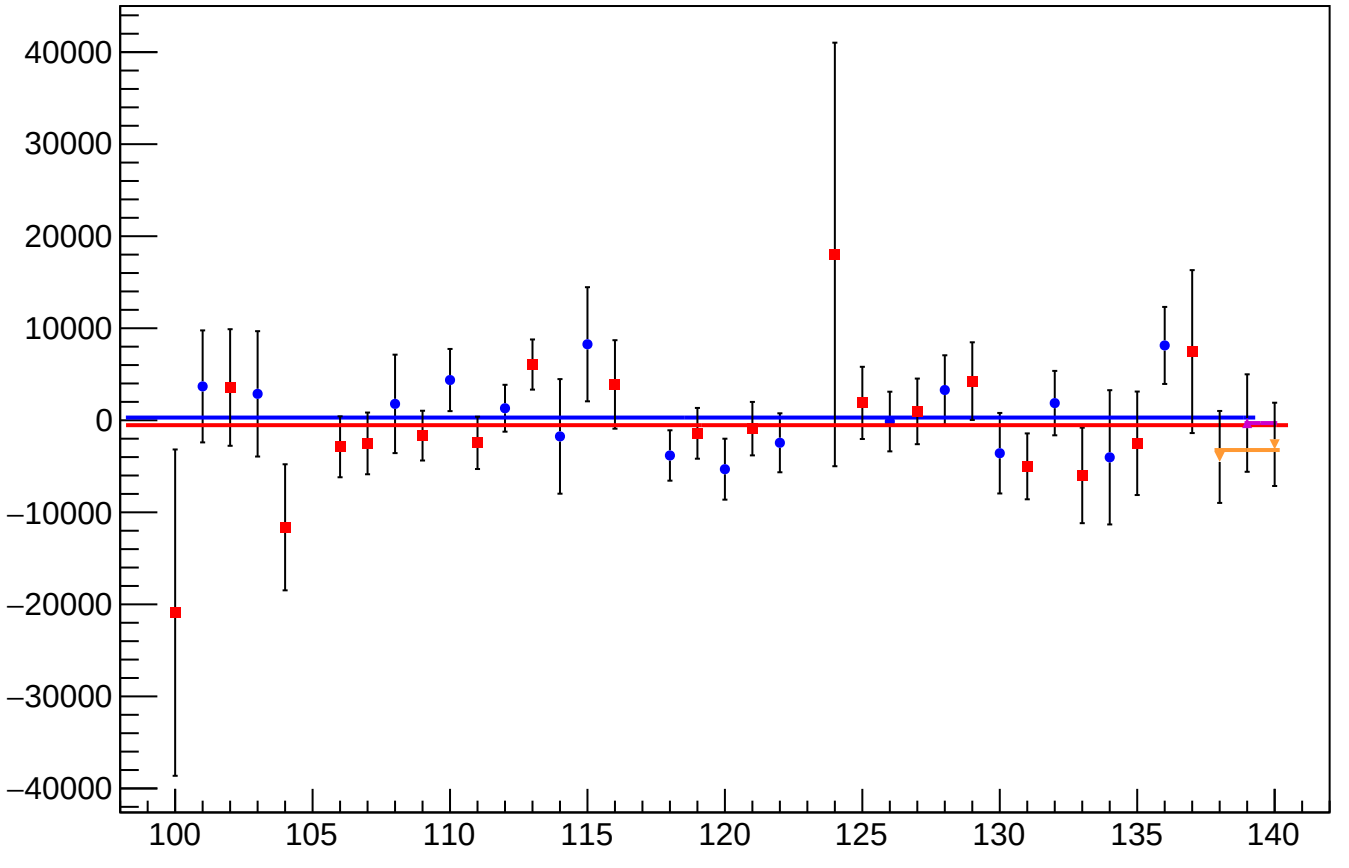
Left: 1824.397+/-0.821 χ^2/NDF: 2594.7/2

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1685.617+/-0.422 χ^2/NDF:148658.8/16

Out: 1737.452+/-0.416 χ^2/NDF:241148.2/19

All: 1711.911+/-0.296 χ^2/NDF: 397469.4/36



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -3231.269+/-3353.426 χ^2/NDF:0.0/1

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -300.529+/-5296.212 χ^2/NDF:0.0/0

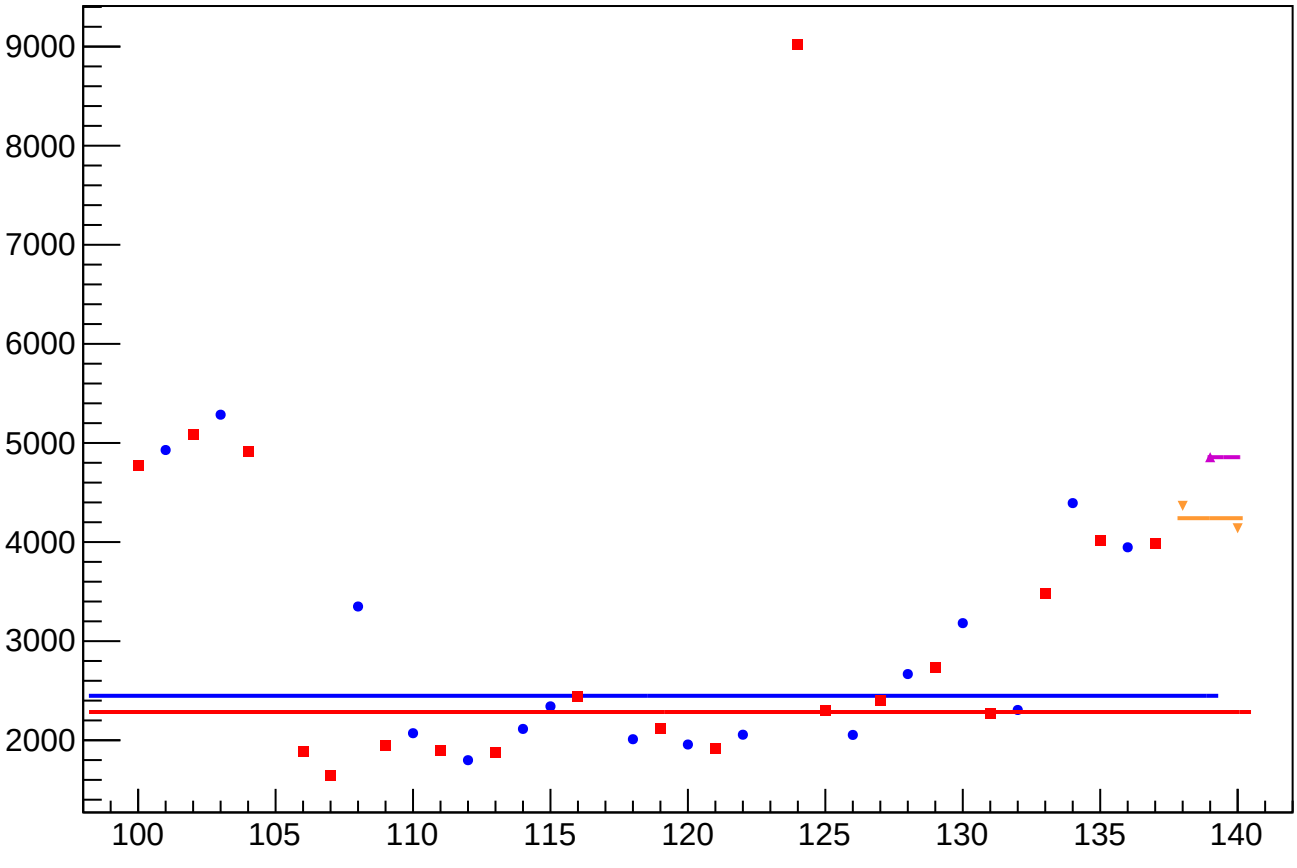
Left: -2392.555+/-2833.241 χ^2/NDF: 0.3/2

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 277.345+/-949.062 χ^2/NDF:15.3/16

Out: -706.446+/-854.770 χ^2/NDF:19.4/20

All: -265.837+/-635.141 χ^2/NDF: 35.3/37



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4240.934+/-2.371 χ^2/NDF:2253.8/1

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4856.603+/-3.745 χ^2/NDF:0.0/0

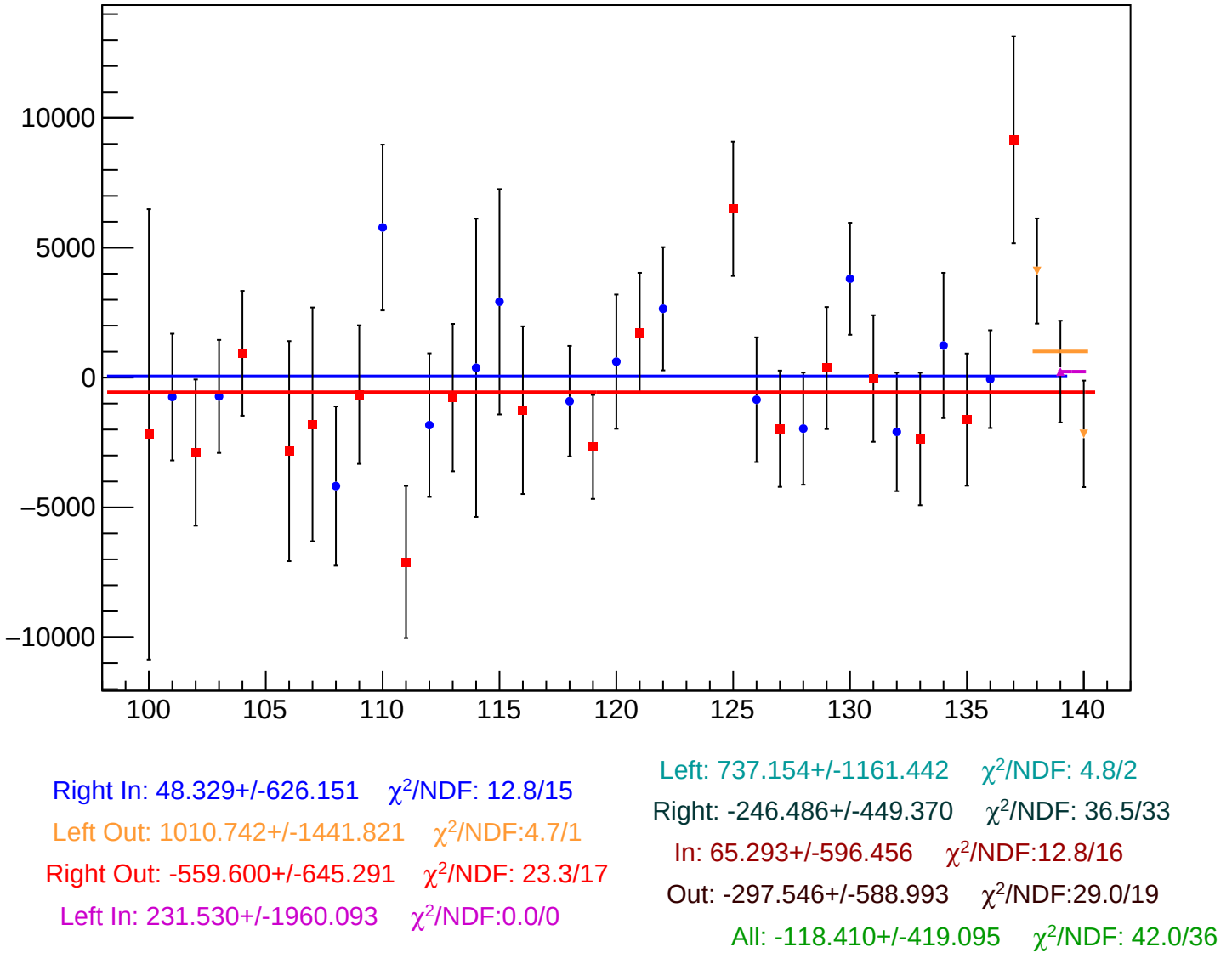
Left: 4417.125+/-2.003 χ^2/NDF: 21546.1/2

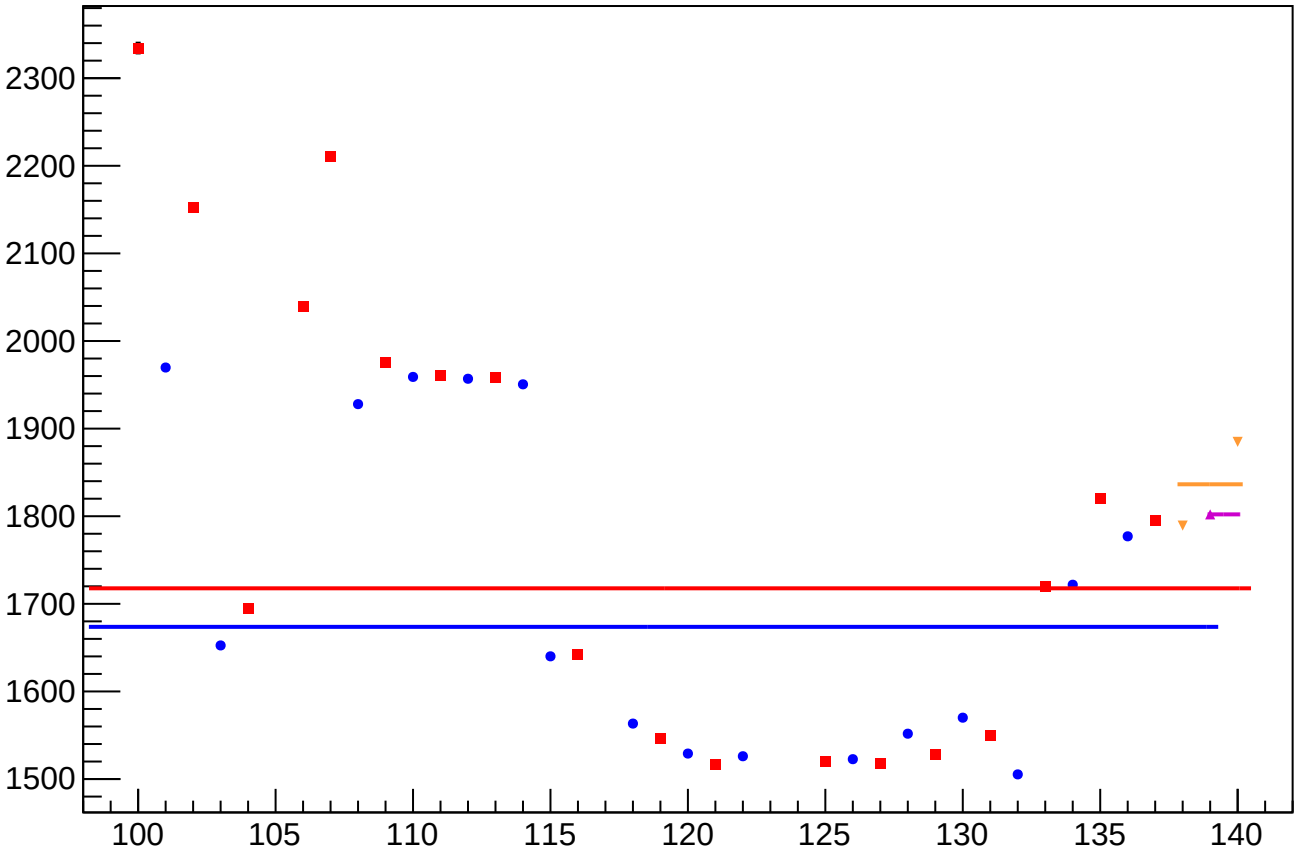
Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2525.922+/-0.671 χ^2/NDF:1917751.1/16

Out: 2412.149+/-0.604 χ^2/NDF:2187213.0/20

All: 2463.105+/-0.449 χ^2/NDF: 4120833.5/37


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: 48.329+/-626.151 χ²/NDF: 12.8/15
Left Out: 1010.742+/-1441.821 χ²/NDF:4.7/1
Right Out: -559.600+/-645.291 χ²/NDF: 23.3/17
Left In: 231.530+/-1960.093 χ²/NDF:0.0/0
Left: 737.154+/-1161.442 χ²/NDF: 4.8/2
Right: -246.486+/-449.370 χ²/NDF: 36.5/33
In: 65.293+/-596.456 χ²/NDF:12.8/16
Out: -297.546+/-588.993 χ²/NDF:29.0/19
All: -118.410+/-419.095 χ²/NDF: 42.0/36



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1836.456+/-1.020 χ^2/NDF:2196.3/1

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1802.114+/-1.386 χ^2/NDF:0.0/0

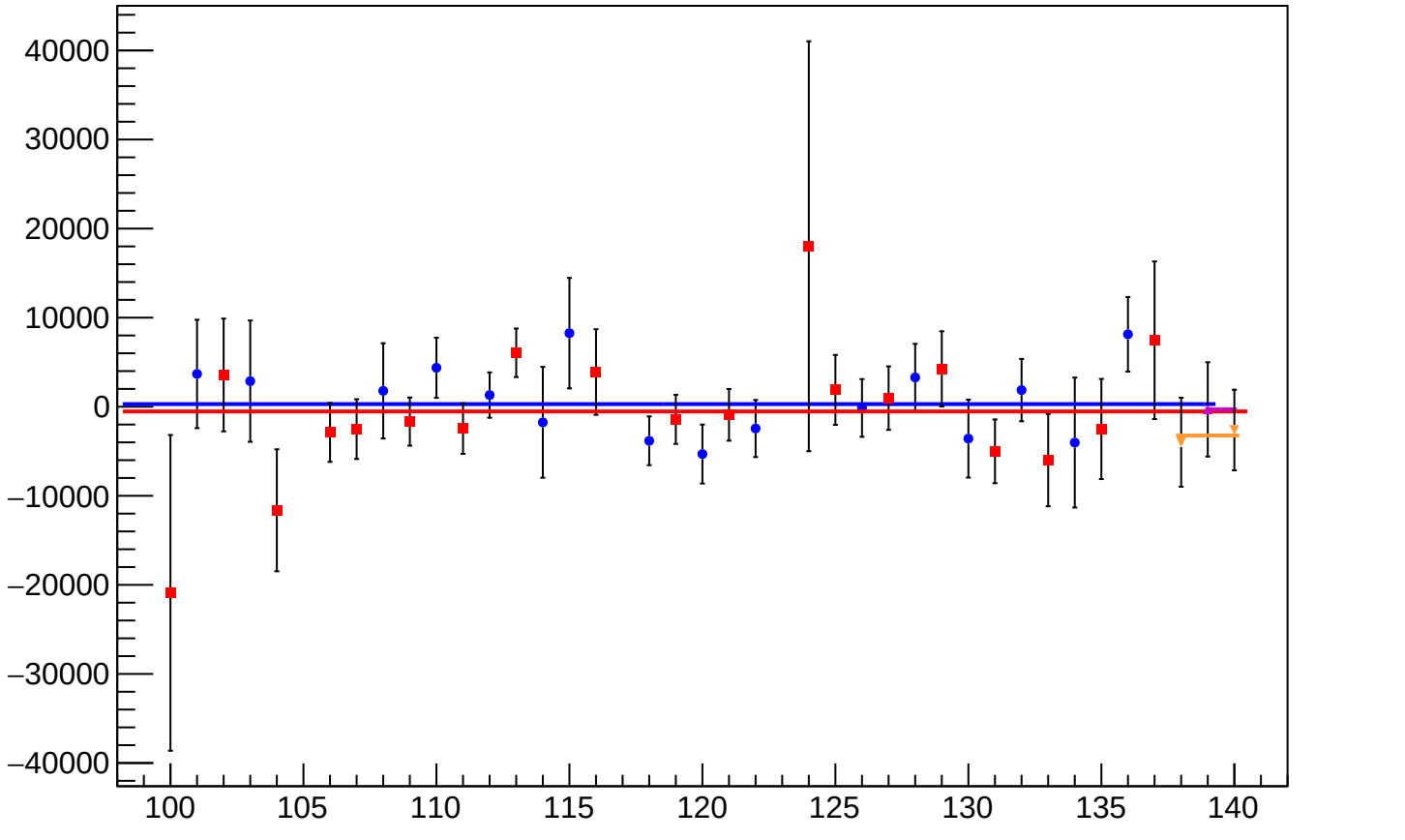
Left: 1824.398+/-0.821 χ^2/NDF: 2594.7/2

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1685.617+/-0.422 χ^2/NDF:148659.0/16

Out: 1737.452+/-0.416 χ^2/NDF:241147.7/19

All: 1711.911+/-0.296 χ^2/NDF: 397469.1/36



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -3231.274+/-3353.434 χ^2/NDF:0.0/1

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -300.536+/-5296.232 χ^2/NDF:0.0/0

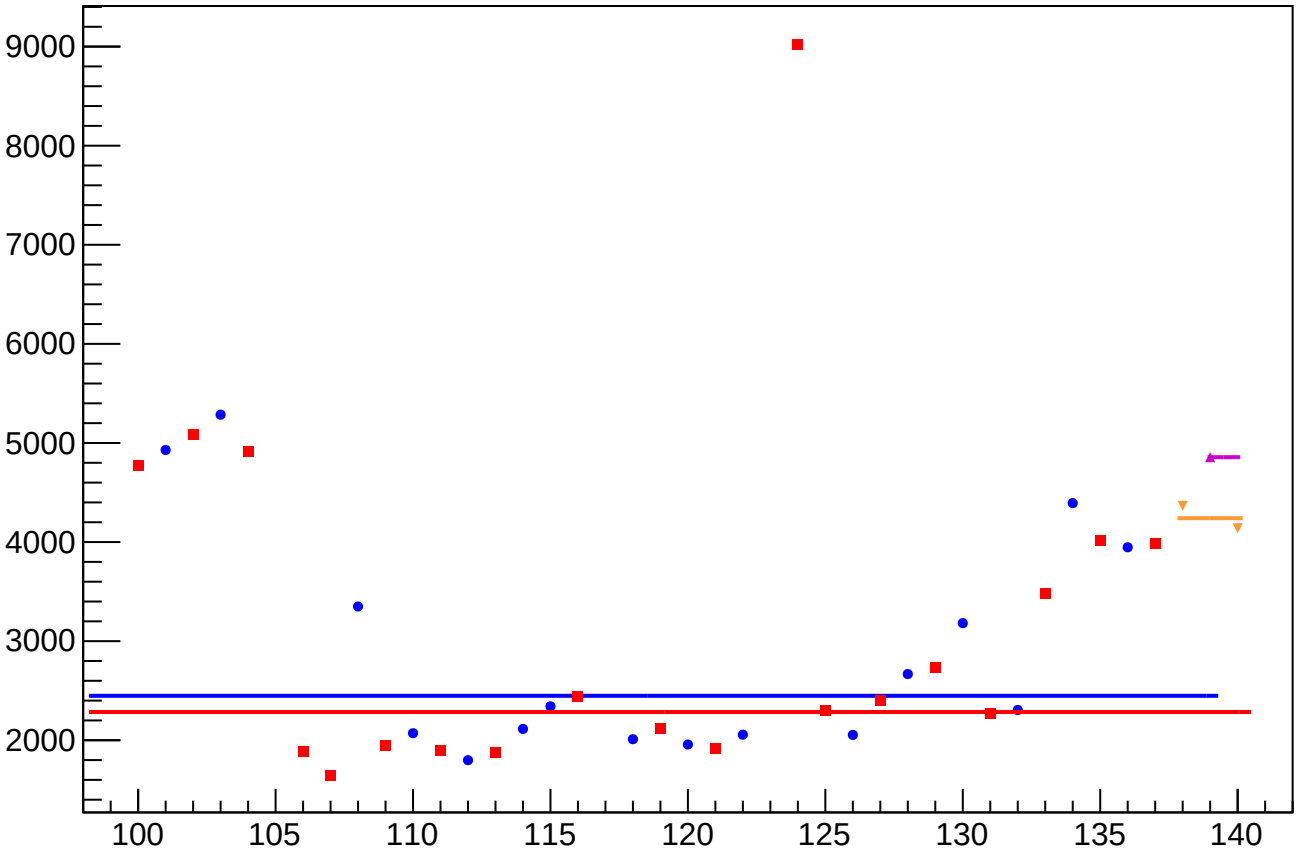
Left: -2392.562+/-2833.250 χ^2/NDF: 0.3/2

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 277.339+/-949.059 χ^2/NDF:15.3/16

Out: -706.447+/-854.768 χ^2/NDF:19.4/20

All: -265.839+/-635.139 χ^2/NDF: 35.3/37



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4240.945+/-2.371 χ^2/NDF:2254.0/1

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4856.622+/-3.745 χ^2/NDF:0.0/0

Left: 4417.138+/-2.003 χ^2/NDF: 21546.6/2

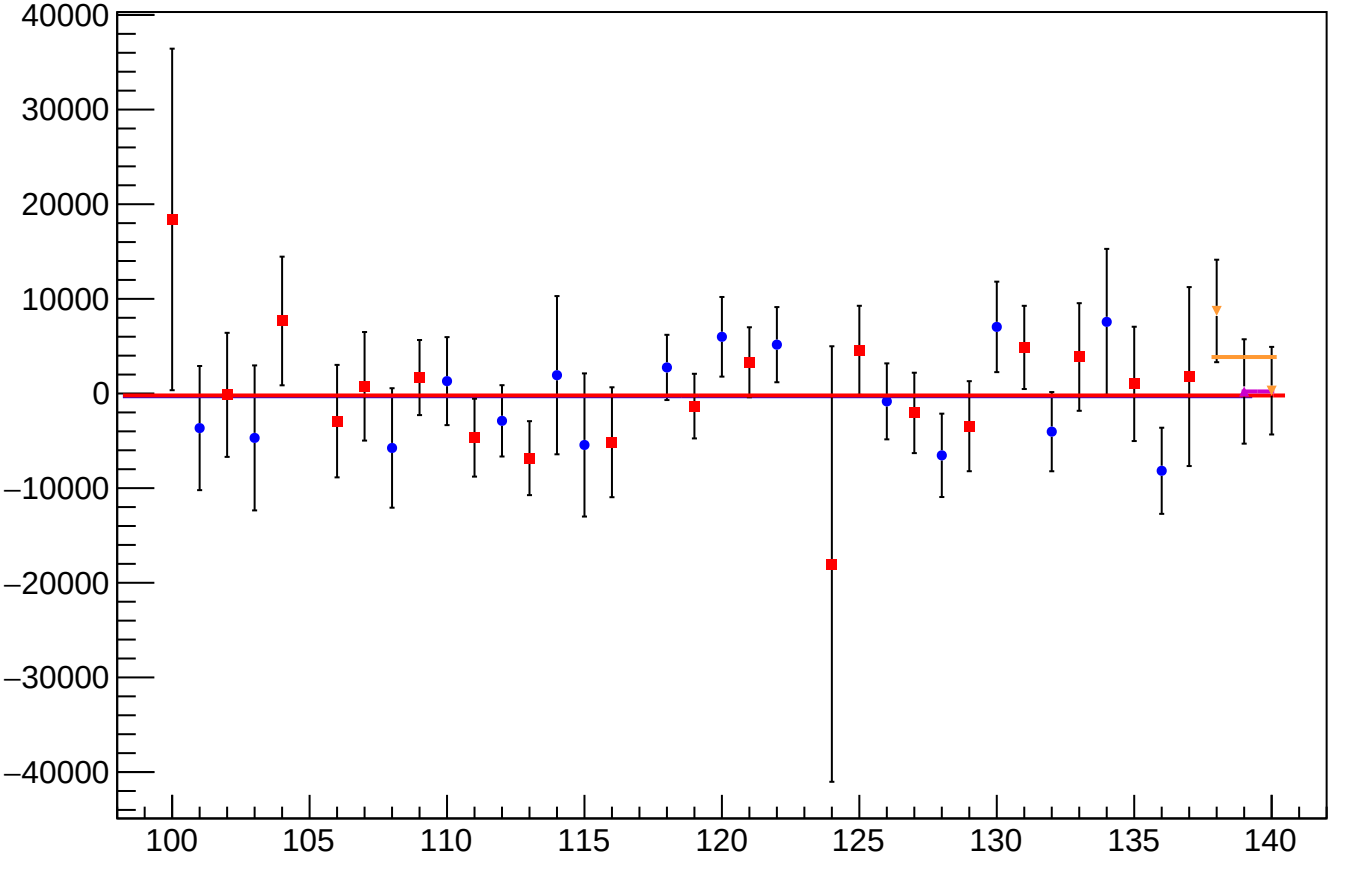
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 2525.911+/-0.671 χ^2/NDF:1917770.8/16

Out: 2412.141+/-0.604 χ^2/NDF:2187231.3/20

All: 2463.095+/-0.449 χ^2/NDF: 4120871.0/37

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 3854.091+/-3517.886 χ^2/NDF:1.4/1

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 215.252+/-5514.742 χ^2/NDF:0.0/0

Left: 2801.631+/-2965.832 χ^2/NDF: 1.7/2

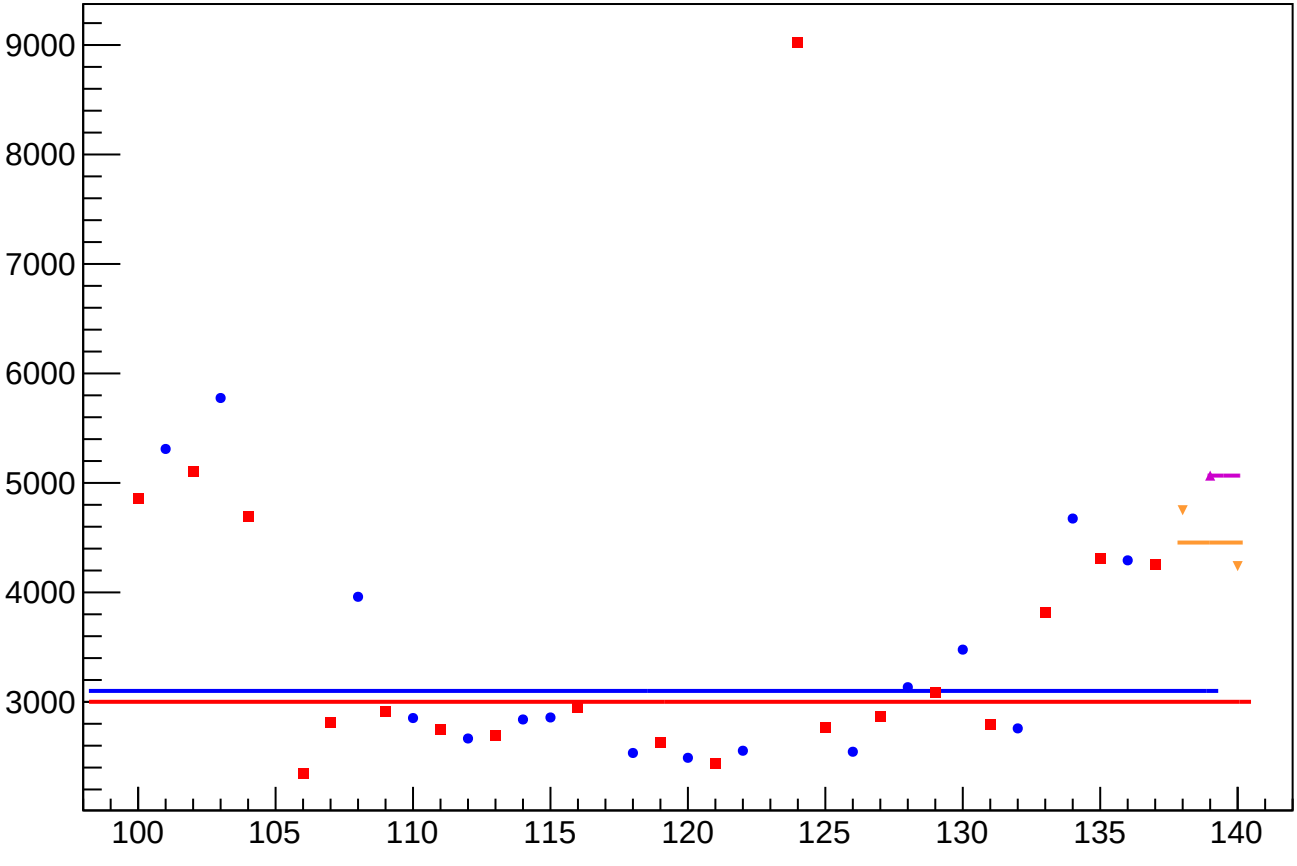
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -264.653+/-1170.078 χ^2/NDF:16.6/16

Out: 185.160+/-1096.289 χ^2/NDF:15.5/20

All: -25.117+/-800.008 χ^2/NDF: 32.1/37

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4455.412+/-2.488 χ^2/NDF:10274.3/1

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 5066.859+/-3.900 χ^2/NDF:0.0/0

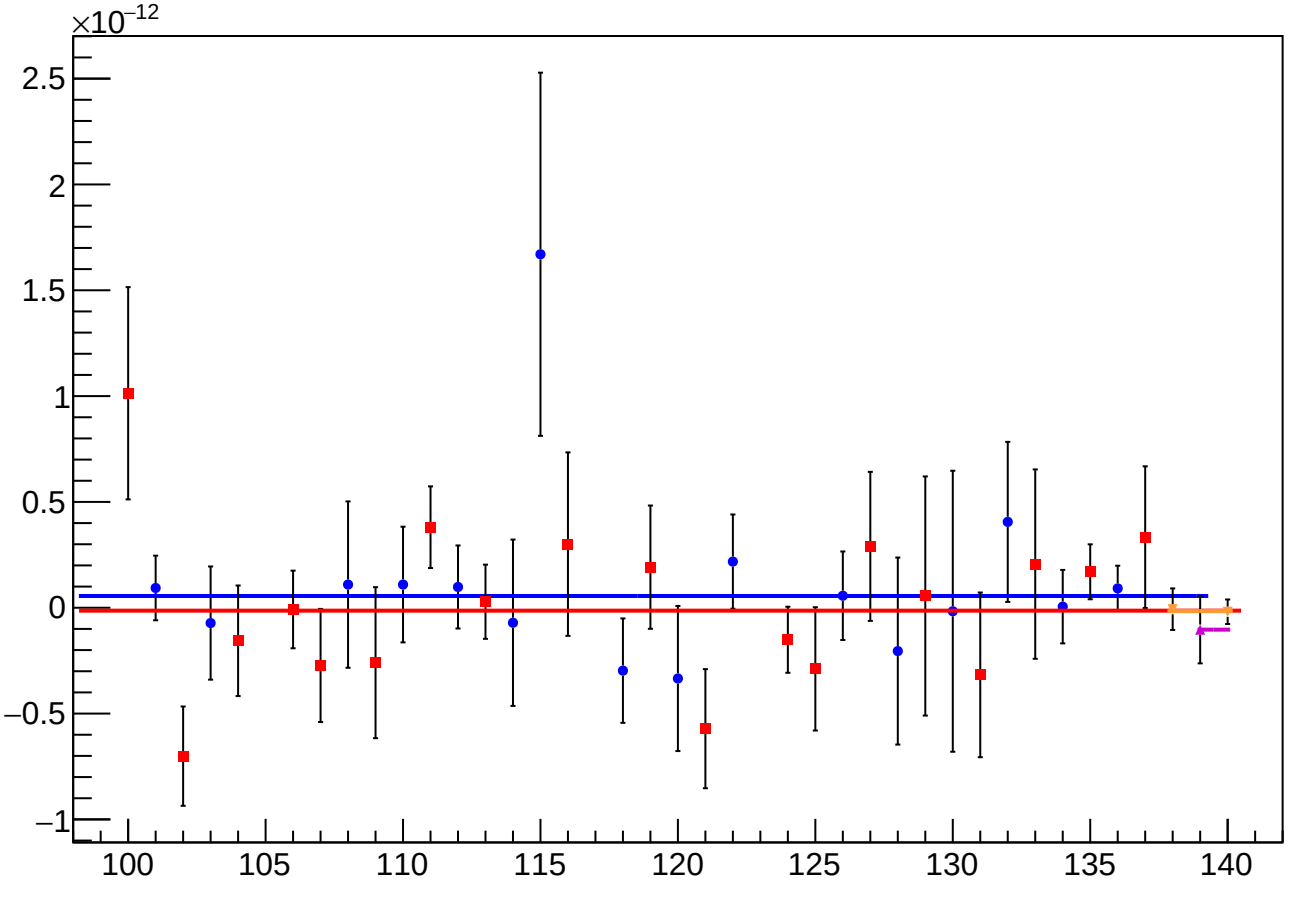
Left: 4632.260+/-2.097 χ^2/NDF: 27749.7/2

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3188.671+/-0.827 χ^2/NDF:1206589.1/16

Out: 3138.590+/-0.766 χ^2/NDF:1126443.1/20

All: 3161.696+/-0.562 χ^2/NDF: 2335005.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

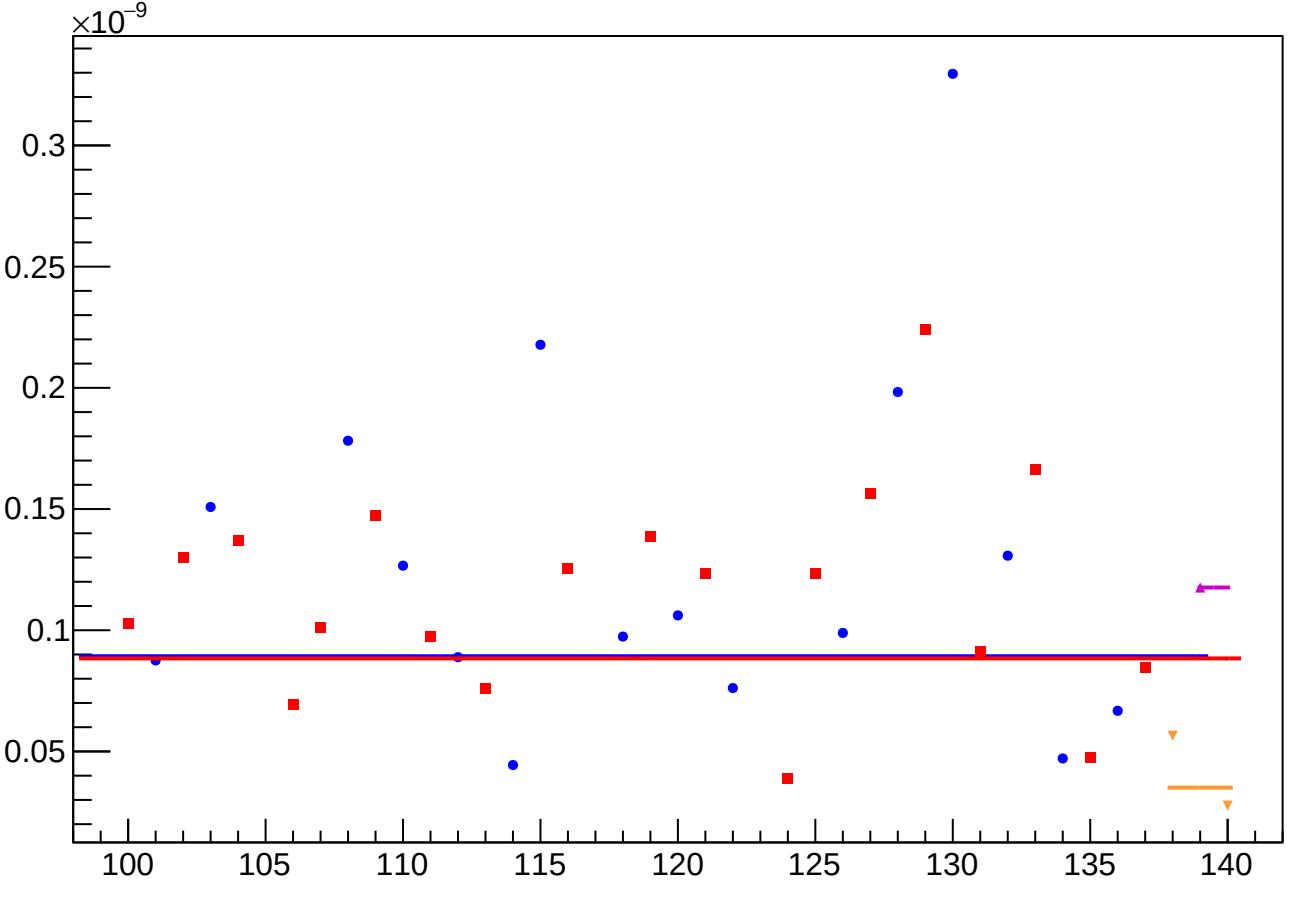
Left: -0.000+/-0.000 χ^2/NDF: 0.3/2

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:10.2/16

Out: -0.000+/-0.000 χ^2/NDF:30.1/20

All: 0.000+/-0.000 χ^2/NDF: 40.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:128067.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

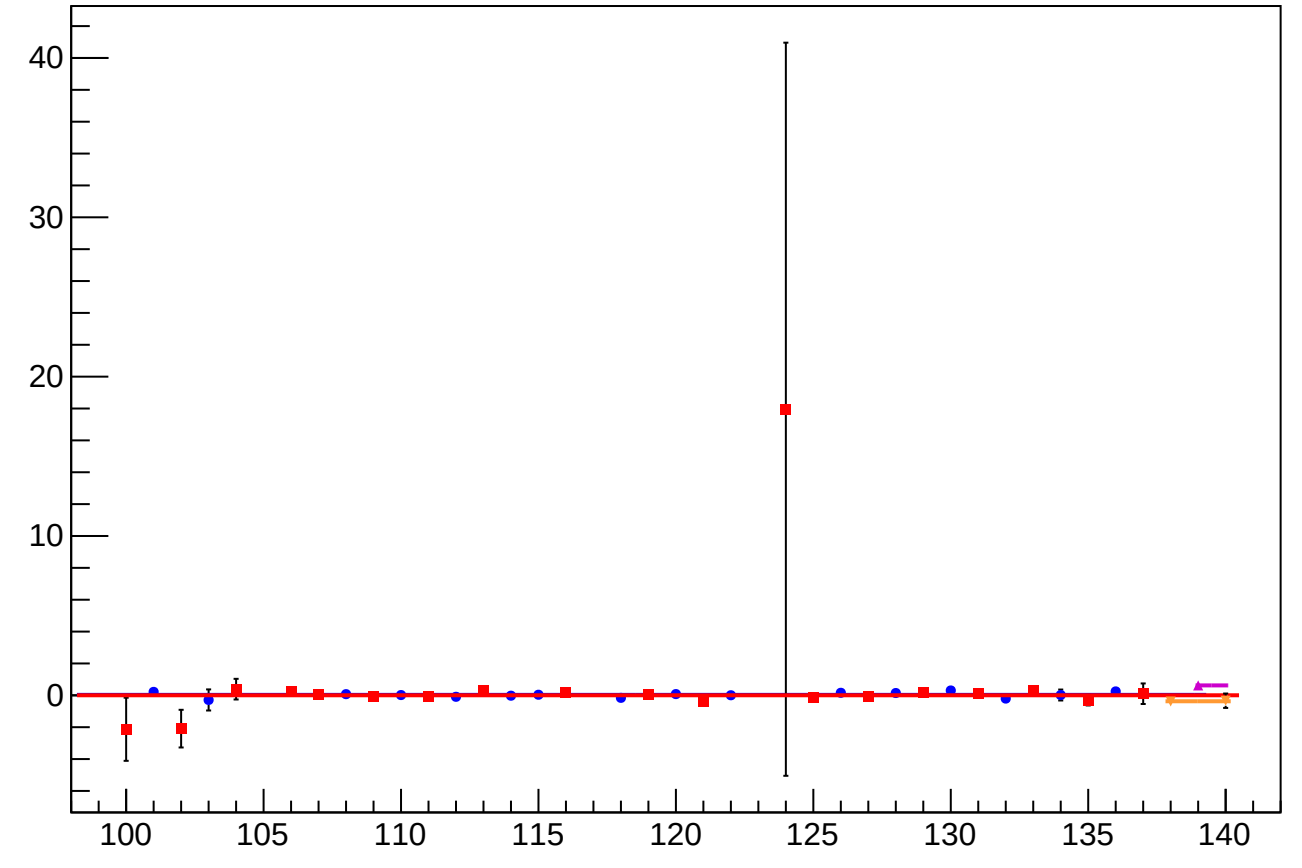
Left: 0.000+/-0.000 χ^2/NDF: 617395.4/2

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1005910.0/16

Out: 0.000+/-0.000 χ^2/NDF:2156937.6/20

All: 0.000+/-0.000 χ^2/NDF: 3700704.7/37



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.373+/-0.246 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.623+/-0.232 χ^2/NDF:0.0/0

Left: 0.154+/-0.169 χ^2/NDF: 8.7/2

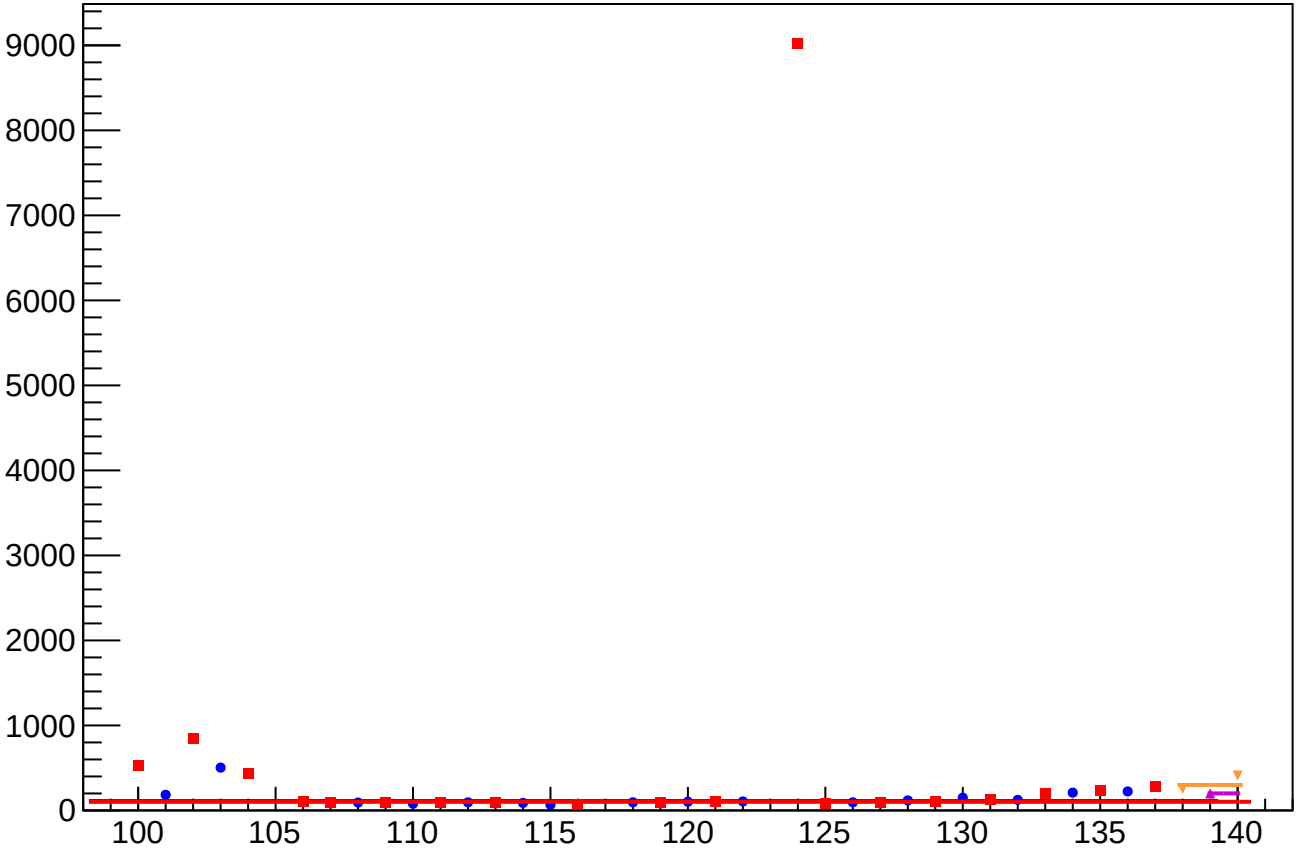
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.050+/-0.044 χ^2/NDF:15.2/16

Out: -0.008+/-0.043 χ^2/NDF:24.7/20

All: 0.020+/-0.031 χ^2/NDF: 40.7/37

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 300.103+/-0.174 χ^2/NDF:171073.2/1

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 200.507+/-0.164 χ^2/NDF:0.0/0

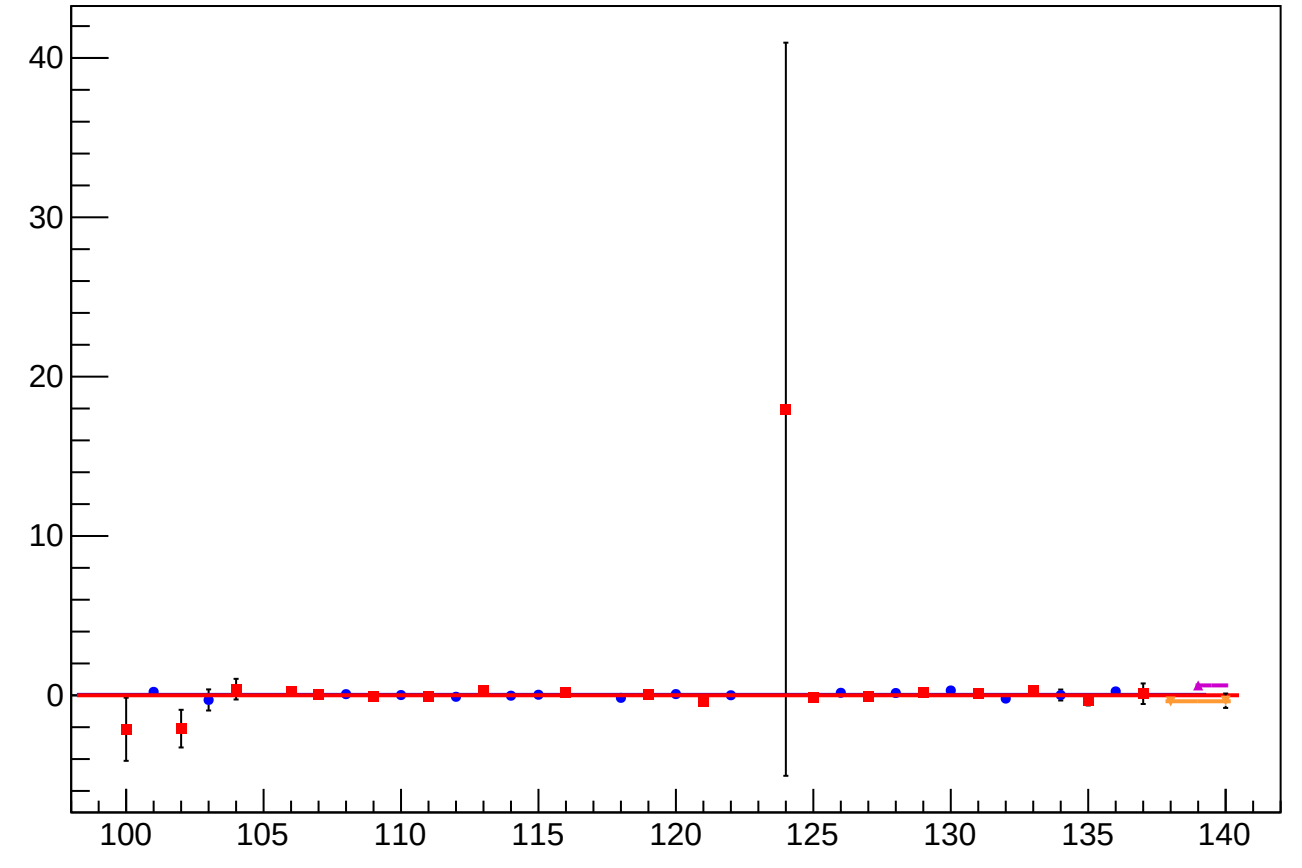
Left: 247.403+/-0.119 χ^2/NDF: 344858.2/2

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 113.317+/-0.031 χ^2/NDF:2224205.6/16

Out: 107.839+/-0.030 χ^2/NDF:4022903.1/20

All: 110.468+/-0.022 χ^2/NDF: 6262894.5/37



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.373+/-0.246 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.623+/-0.232 χ^2/NDF:0.0/0

Left: 0.154+/-0.169 χ^2/NDF: 8.7/2

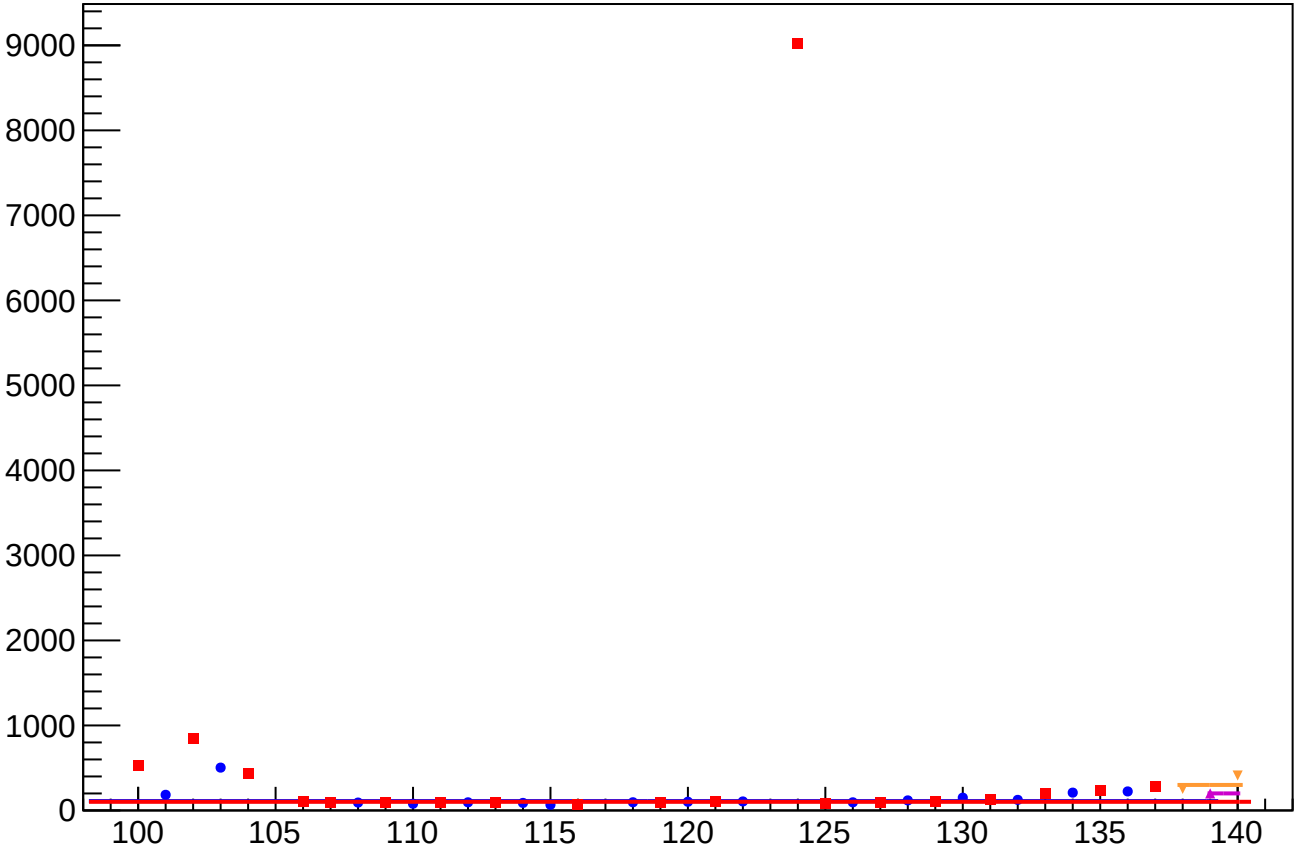
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.050+/-0.044 χ^2/NDF:15.2/16

Out: -0.008+/-0.043 χ^2/NDF:24.7/20

All: 0.020+/-0.031 χ^2/NDF: 40.7/37

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 300.103+/-0.174 χ^2/NDF:171073.2/1

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 200.507+/-0.164 χ^2/NDF:0.0/0

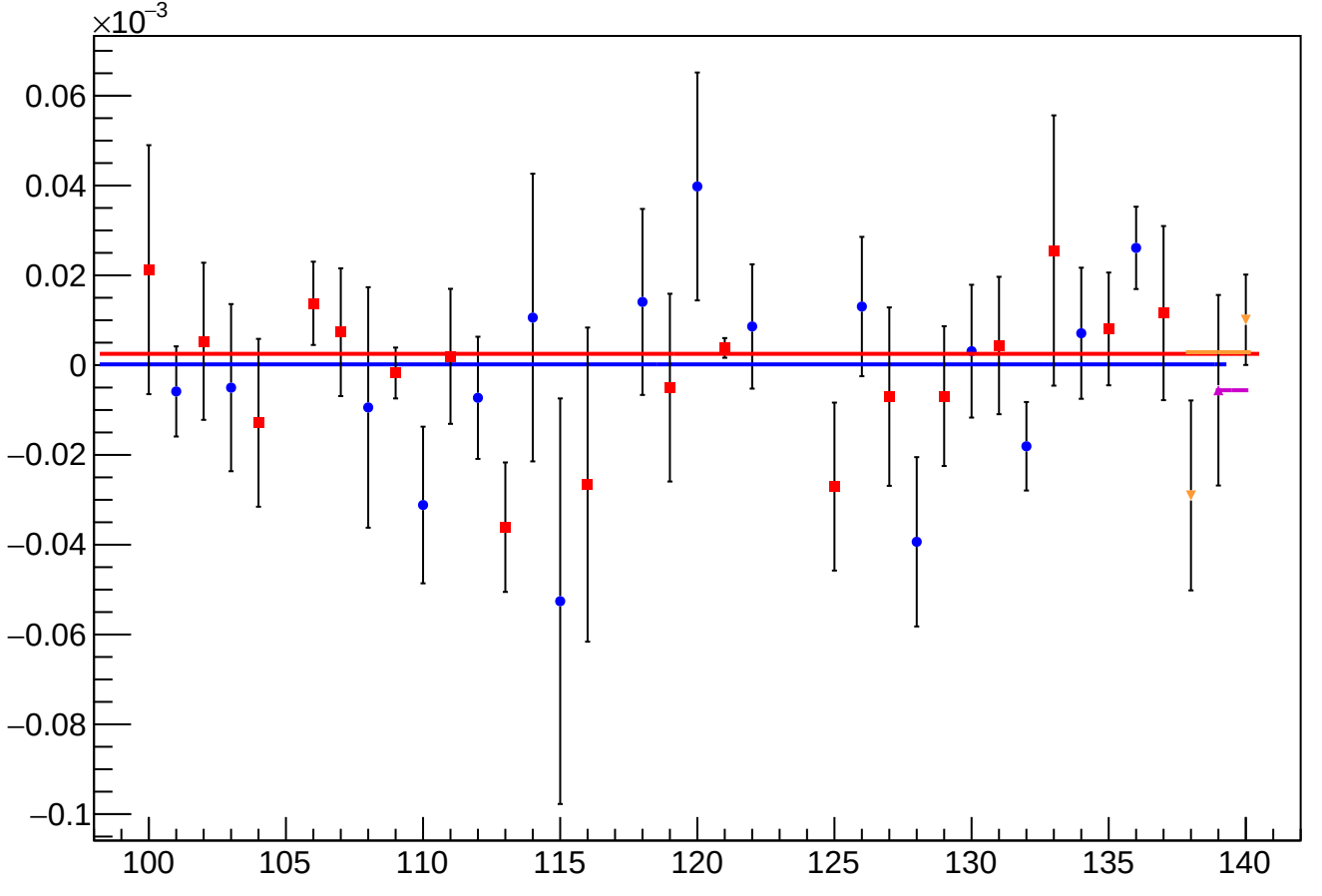
Left: 247.403+/-0.119 χ^2/NDF: 344858.2/2

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 113.317+/-0.031 χ^2/NDF:2224205.6/16

Out: 107.839+/-0.030 χ^2/NDF:4022903.1/20

All: 110.468+/-0.022 χ^2/NDF: 6262894.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

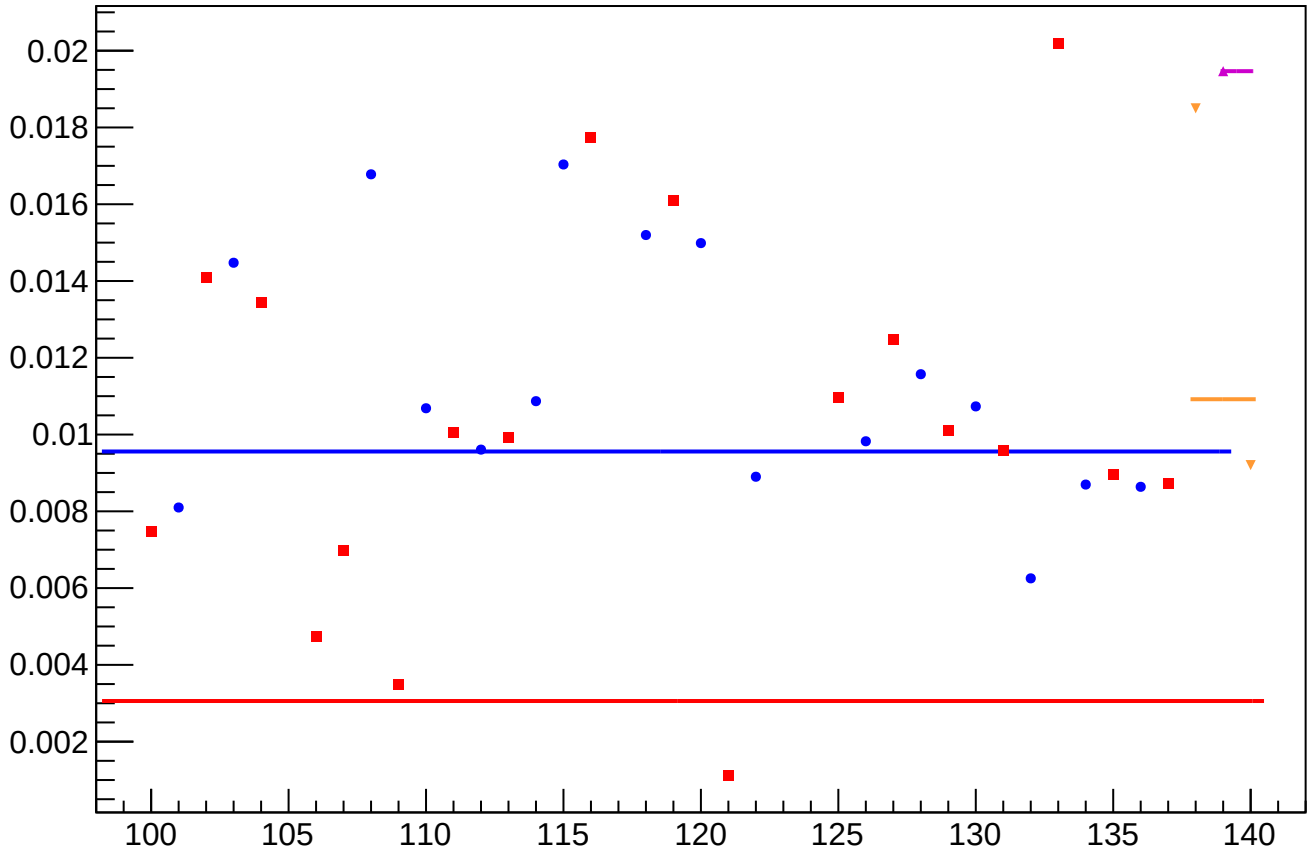
Left: 0.000+/-0.000 χ^2/NDF: 2.9/2

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:25.7/16

Out: 0.000+/-0.000 χ^2/NDF:18.6/19

All: 0.000+/-0.000 χ^2/NDF: 44.6/36



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:314950.2/1

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.019+/-0.000 χ^2/NDF:0.0/0

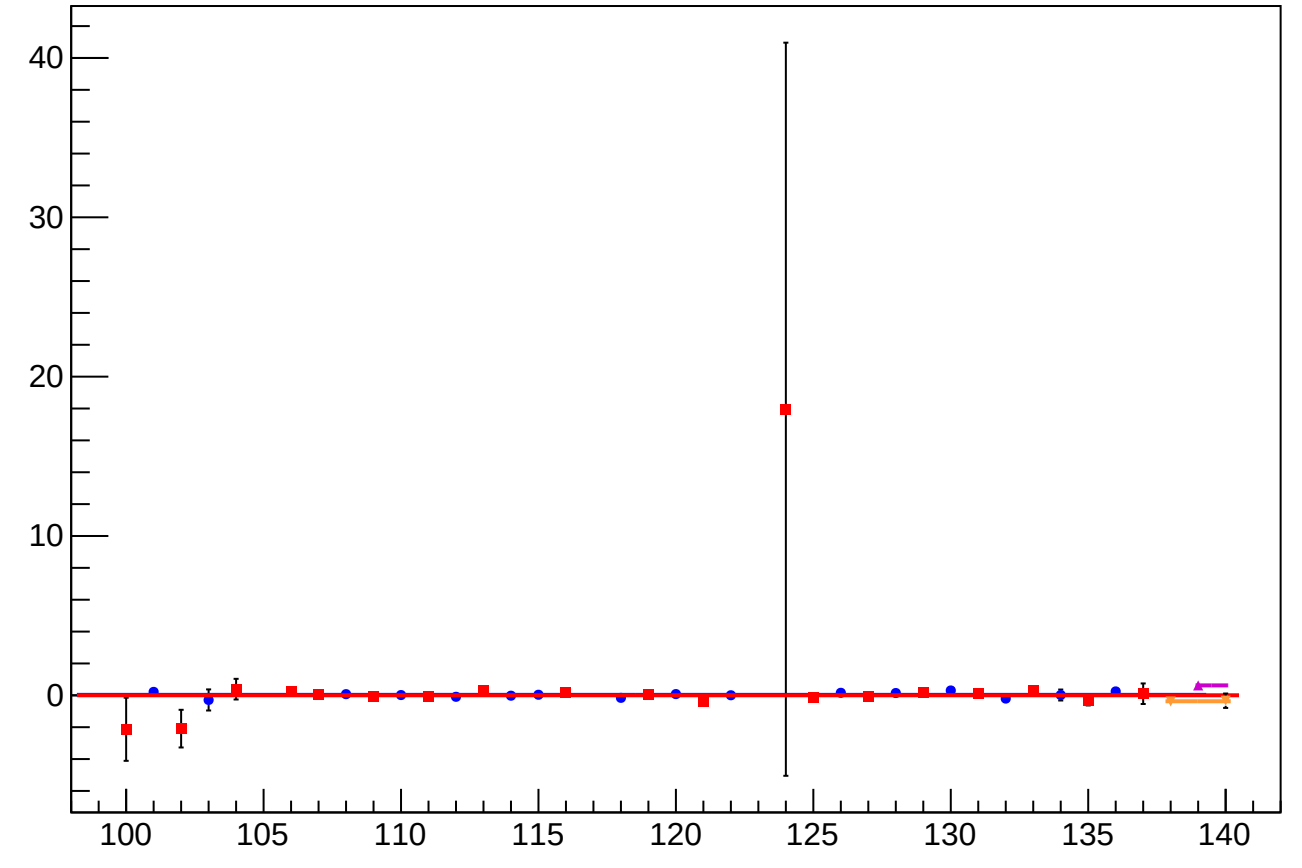
Left: 0.012+/-0.000 χ^2/NDF: 589140.7/2

Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.010+/-0.000 χ^2/NDF:1349063.2/16

Out: 0.003+/-0.000 χ^2/NDF:9875699.5/19

All: 0.005+/-0.000 χ^2/NDF: 16267630.6/36



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.373+/-0.246 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.623+/-0.232 χ^2/NDF:0.0/0

Left: 0.154+/-0.169 χ^2/NDF: 8.7/2

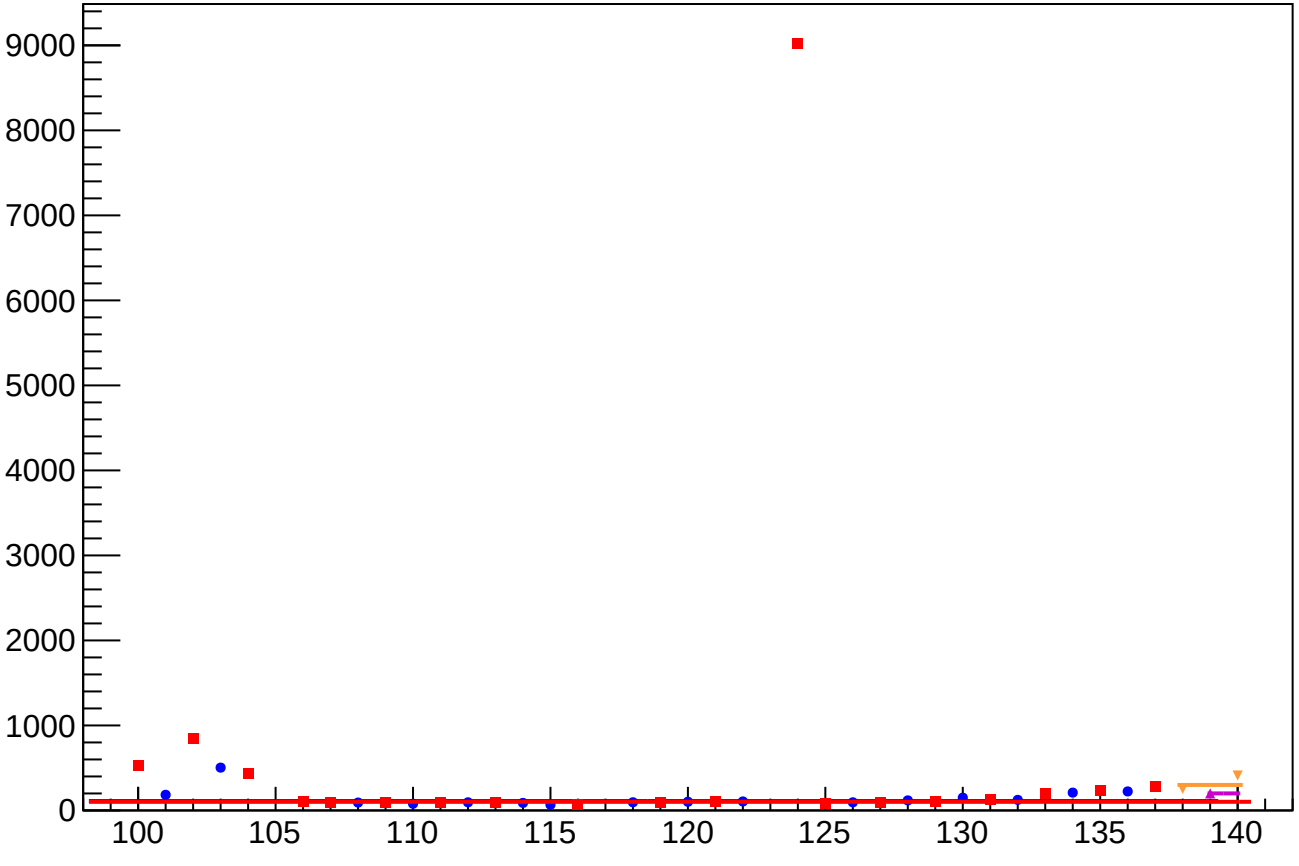
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.050+/-0.044 χ^2/NDF:15.2/16

Out: -0.008+/-0.043 χ^2/NDF:24.7/20

All: 0.020+/-0.031 χ^2/NDF: 40.7/37

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 300.106+/-0.174 χ^2/NDF:171075.3/1

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 200.513+/-0.164 χ^2/NDF:0.0/0

Left: 247.409+/-0.119 χ^2/NDF: 344843.6/2

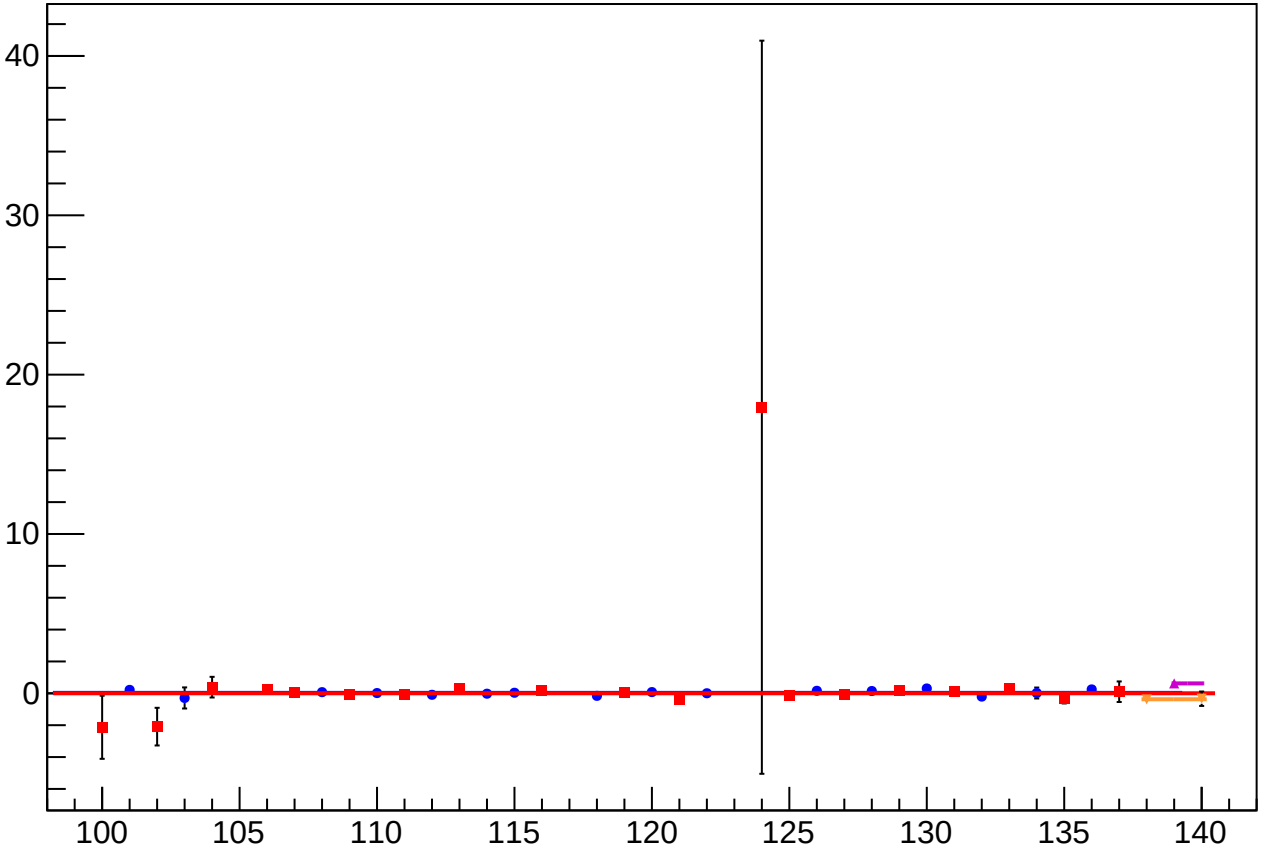
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 113.318+/-0.031 χ^2/NDF:2224153.6/16

Out: 107.841+/-0.030 χ^2/NDF:4022823.6/20

All: 110.469+/-0.022 χ^2/NDF: 6262760.4/37

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.373+/-0.246 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.623+/-0.232 χ^2/NDF:0.0/0

Left: 0.154+/-0.169 χ^2/NDF: 8.7/2

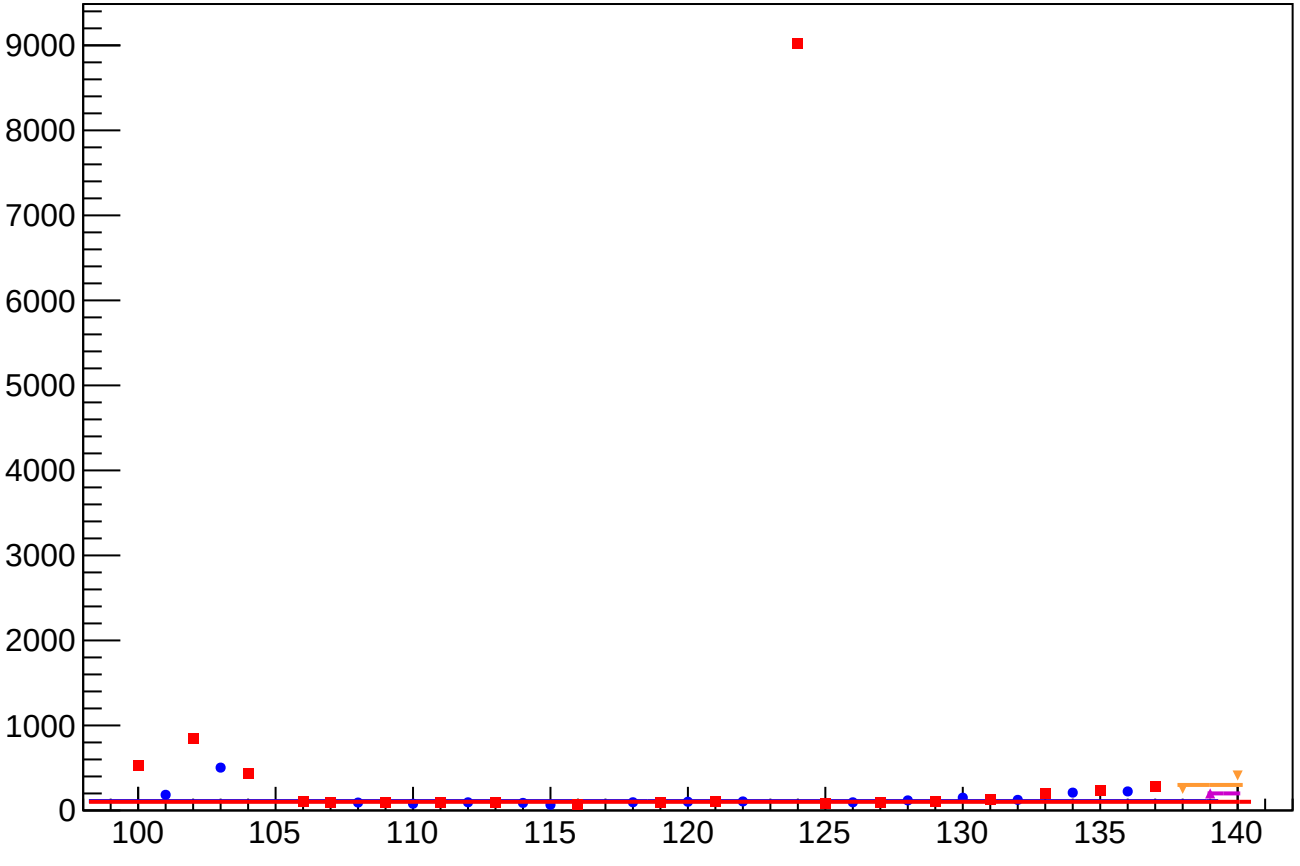
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.050+/-0.044 χ^2/NDF:15.2/16

Out: -0.008+/-0.043 χ^2/NDF:24.7/20

All: 0.020+/-0.031 χ^2/NDF: 40.7/37

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 300.106+/-0.174 χ^2/NDF:171075.3/1

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 200.513+/-0.164 χ^2/NDF:0.0/0

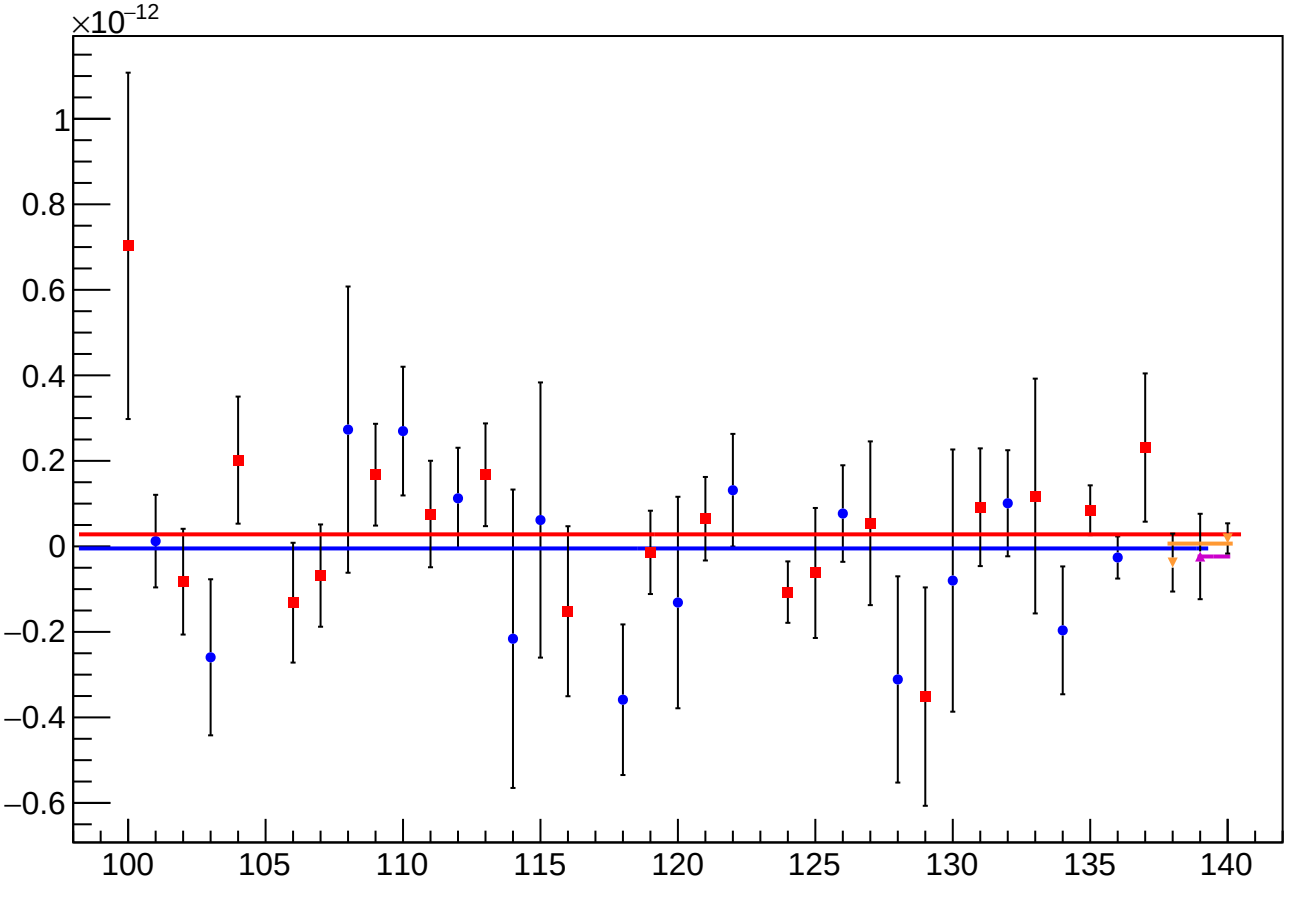
Left: 247.409+/-0.119 χ^2/NDF: 344843.6/2

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 113.318+/-0.031 χ^2/NDF:2224153.6/16

Out: 107.841+/-0.030 χ^2/NDF:4022823.6/20

All: 110.469+/-0.022 χ^2/NDF: 6262760.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

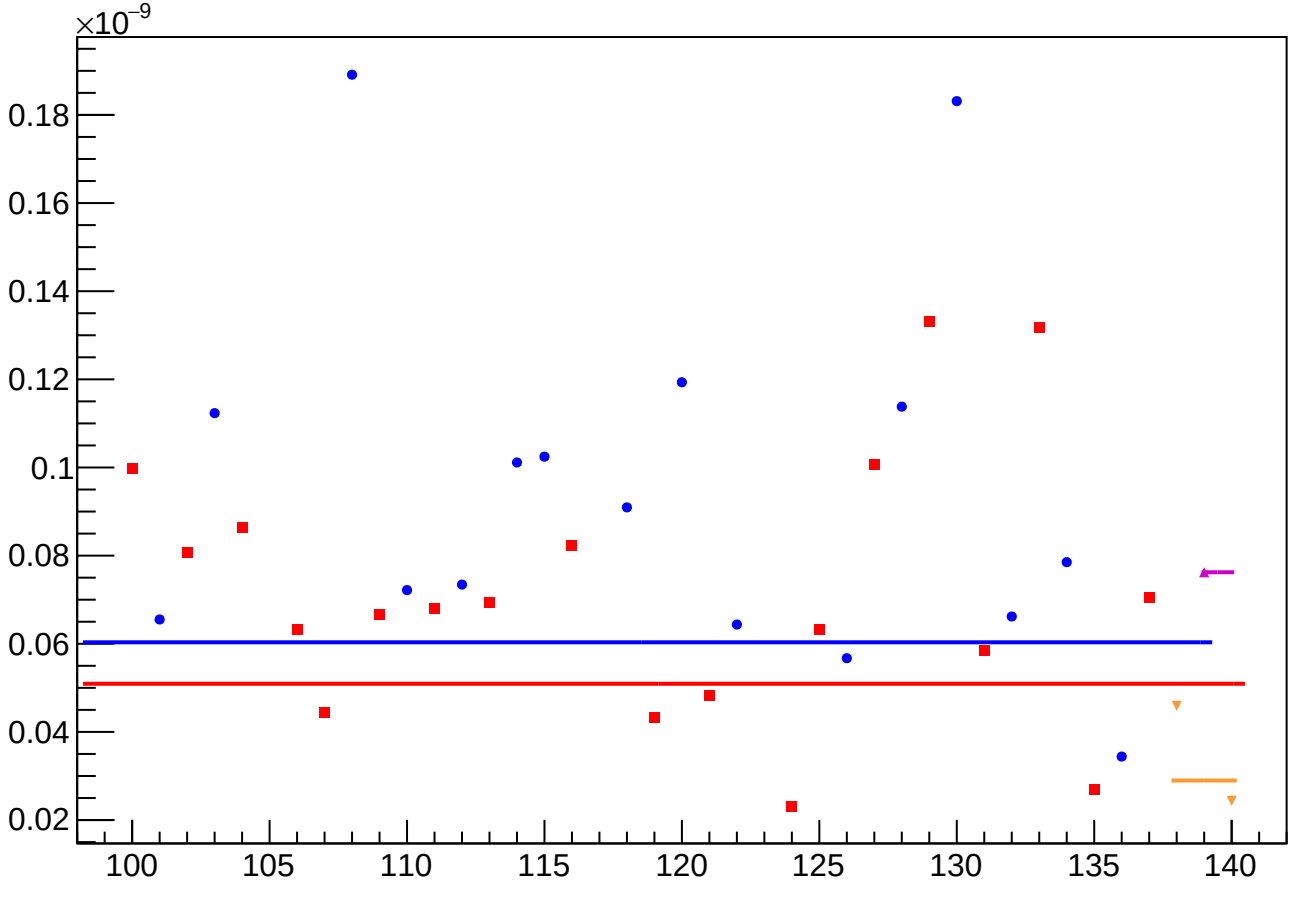
Left: 0.000+/-0.000 χ^2/NDF: 0.6/2

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:17.5/16

Out: 0.000+/-0.000 χ^2/NDF:20.5/20

All: 0.000+/-0.000 χ^2/NDF: 38.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:159047.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 566725.4/2

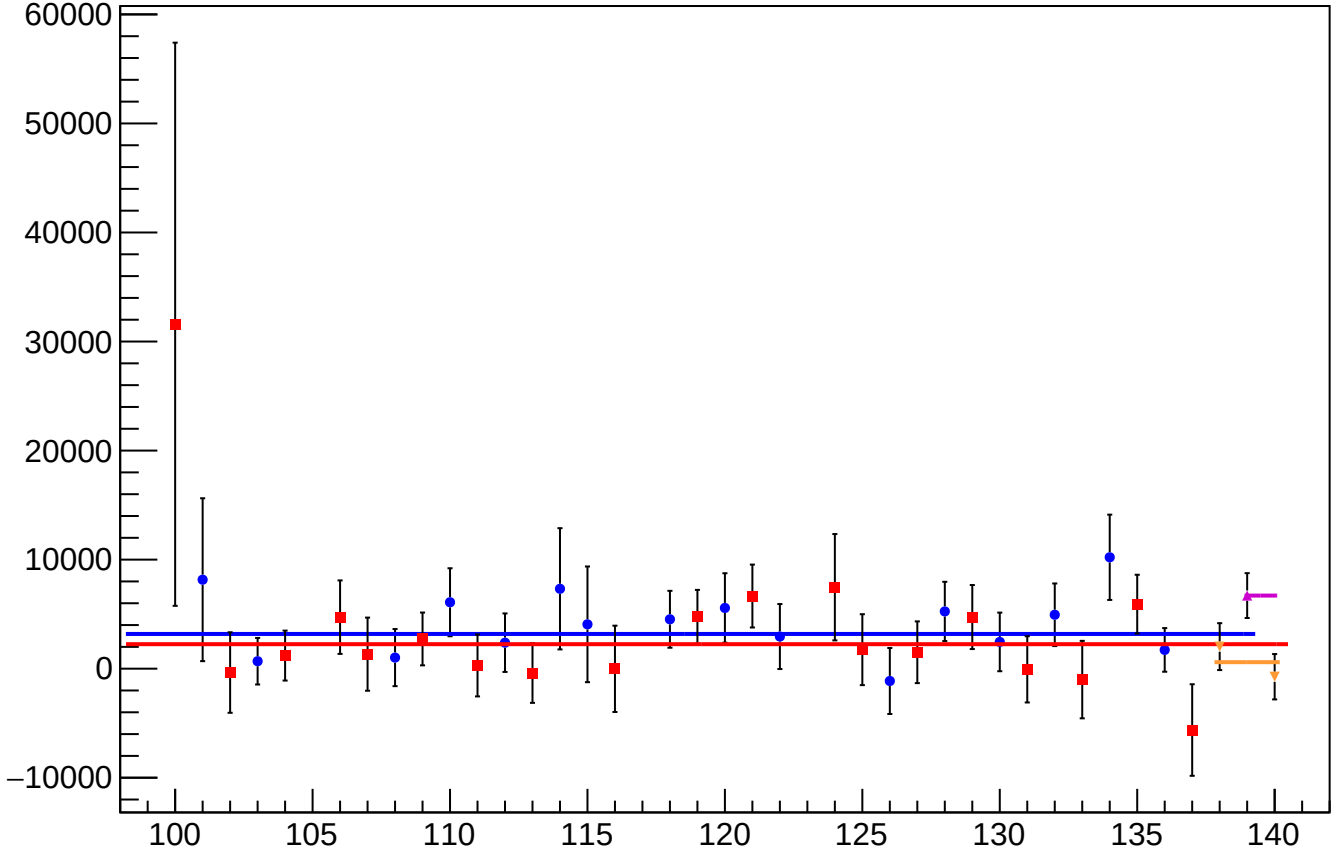
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:1792182.1/16

Out: 0.000+/-0.000 χ^2/NDF:2385876.4/20

All: 0.000+/-0.000 χ^2/NDF: 4794010.8/37

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 595.425+/-1494.986 χ^2/NDF:0.9/1

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 6703.275+/-2057.051 χ^2/NDF:0.0/0

Left: 2706.469+/-1209.343 χ^2/NDF: 6.6/2

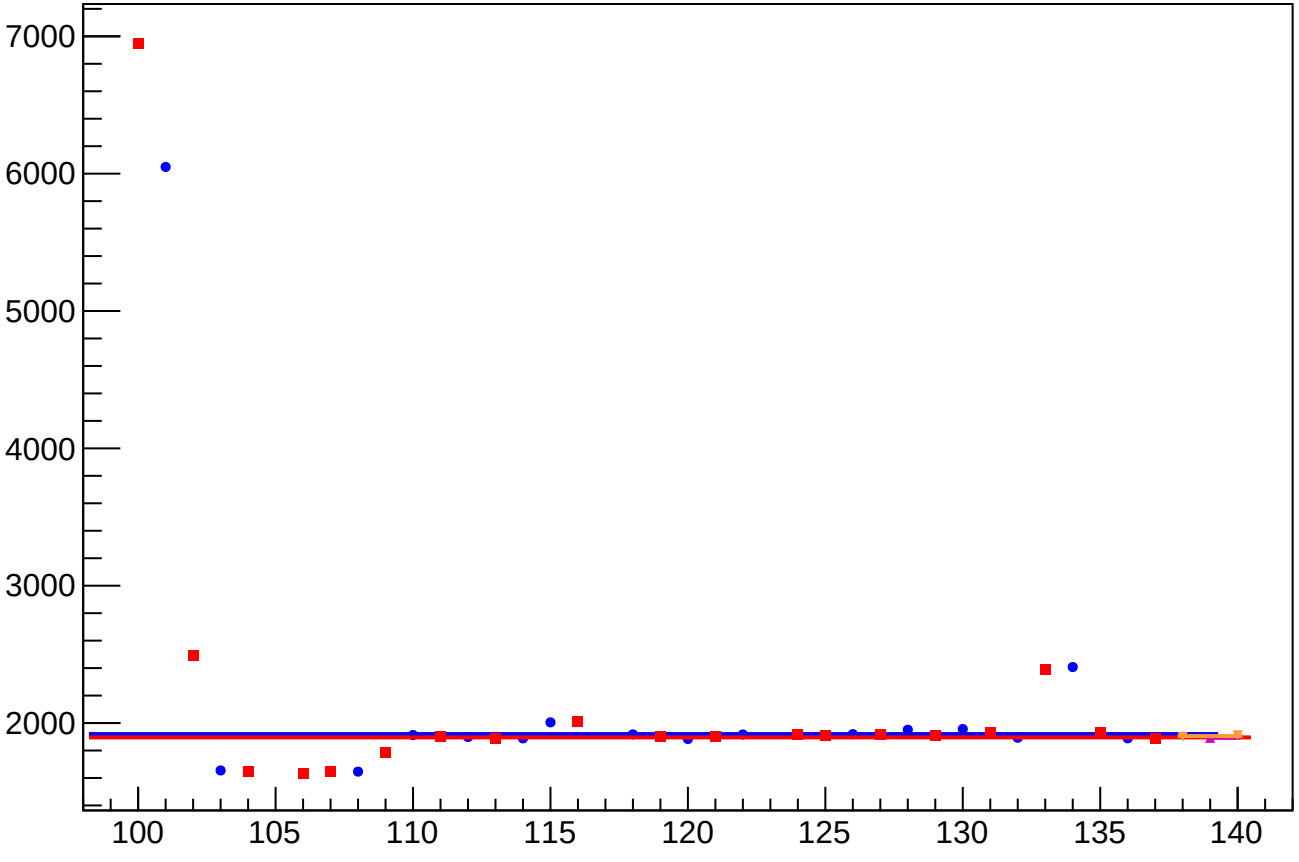
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3578.459+/-688.912 χ^2/NDF:14.3/16

Out: 1941.638+/-642.018 χ^2/NDF:18.4/20

All: 2702.449+/-469.679 χ^2/NDF: 35.7/37

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1904.983+/-1.057 χ^2/NDF:23.6/1

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1892.500+/-1.455 χ^2/NDF:0.0/0

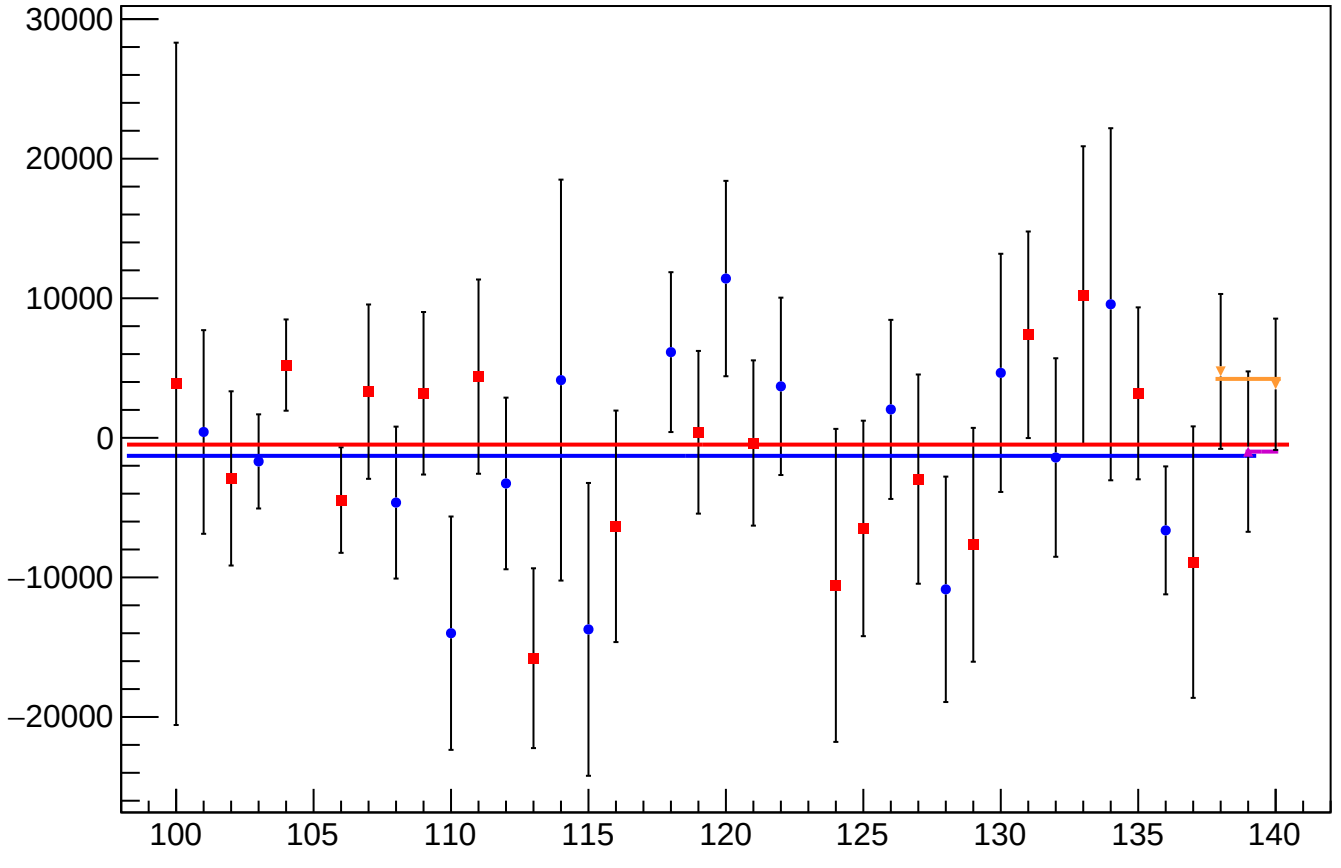
Left: 1900.669+/-0.855 χ^2/NDF: 71.8/2

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1916.762+/-0.487 χ^2/NDF:697644.9/16

Out: 1897.126+/-0.453 χ^2/NDF:222365.2/20

All: 1906.225+/-0.332 χ^2/NDF: 920881.9/37



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 4222.086+/-3588.126 χ^2/NDF:0.0/1

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: -986.802+/-5746.110 χ^2/NDF:0.0/0

Left: 2760.786+/-3043.485 χ^2/NDF: 0.6/2

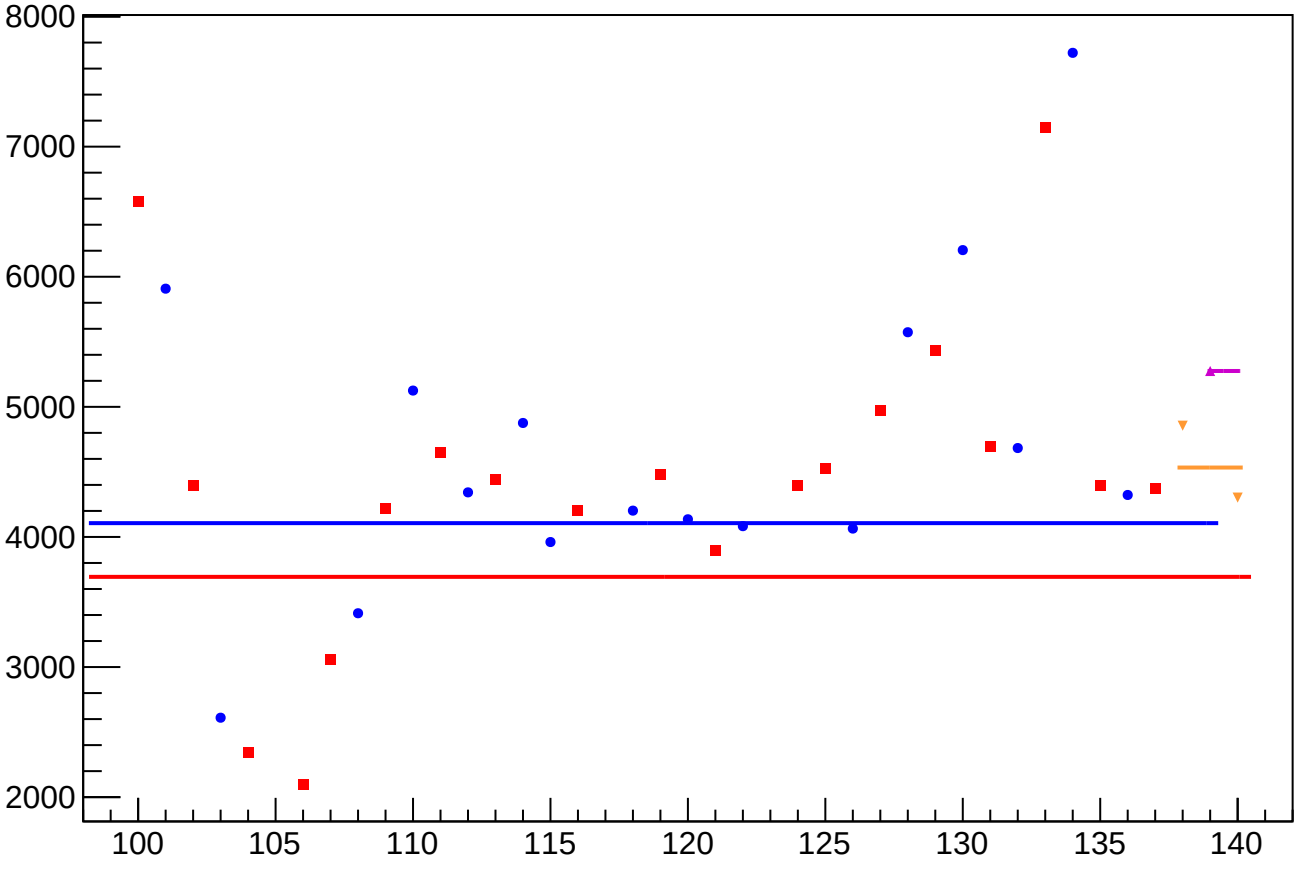
Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -1269.011+/-1528.325 χ^2/NDF:14.3/16

Out: 165.796+/-1334.368 χ^2/NDF:18.7/20

All: -454.839+/-1005.164 χ^2/NDF: 33.5/37

asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4533.503+/-2.537 χ^2/NDF:11543.2/1

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 5275.684+/-4.063 χ^2/NDF:0.0/0

Left: 4741.714+/-2.152 χ^2/NDF: 35548.6/2

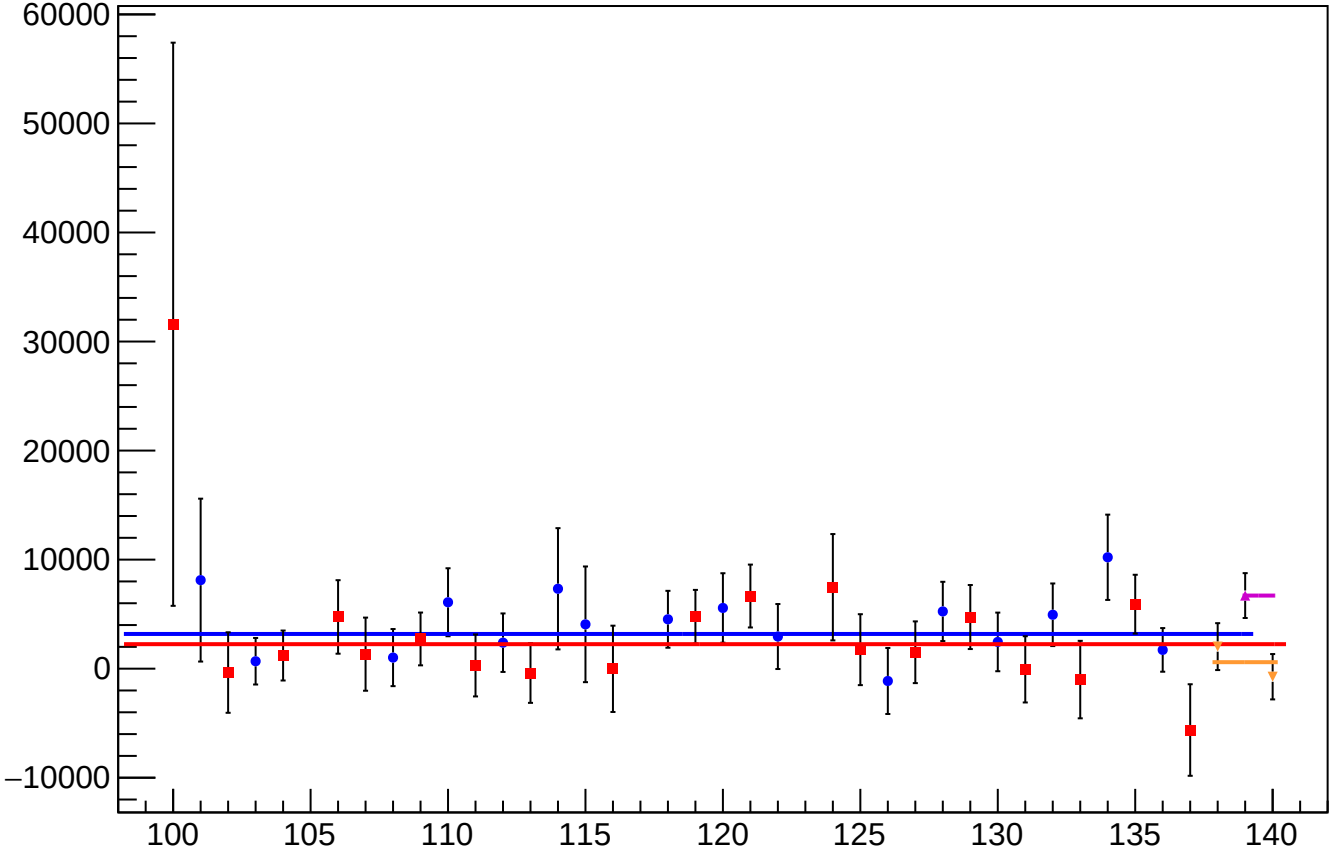
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4188.878+/-1.081 χ^2/NDF:1033123.2/16

Out: 3809.469+/-0.944 χ^2/NDF:1462691.5/20

All: 3973.585+/-0.711 χ^2/NDF: 2565756.4/37

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 595.475+/-1494.986 χ^2/NDF:0.9/1

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 6703.700+/-2057.051 χ^2/NDF:0.0/0

Left: 2706.649+/-1209.343 χ^2/NDF: 6.6/2

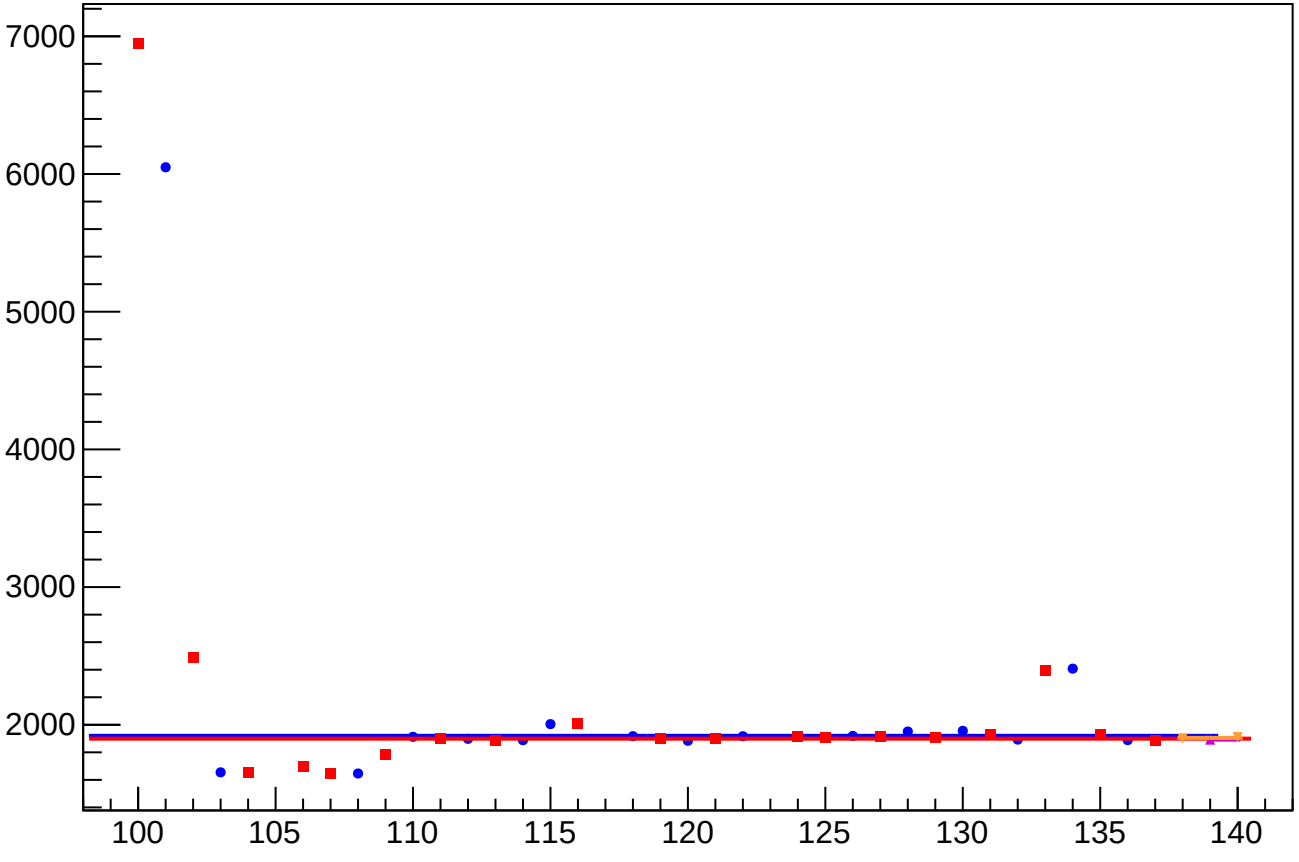
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3577.858+/-688.912 χ^2/NDF:14.3/16

Out: 1942.572+/-642.022 χ^2/NDF:18.4/20

All: 2702.673+/-469.681 χ^2/NDF: 35.7/37

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1904.983+/-1.057 χ^2/NDF:23.6/1

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1892.500+/-1.455 χ^2/NDF:0.0/0

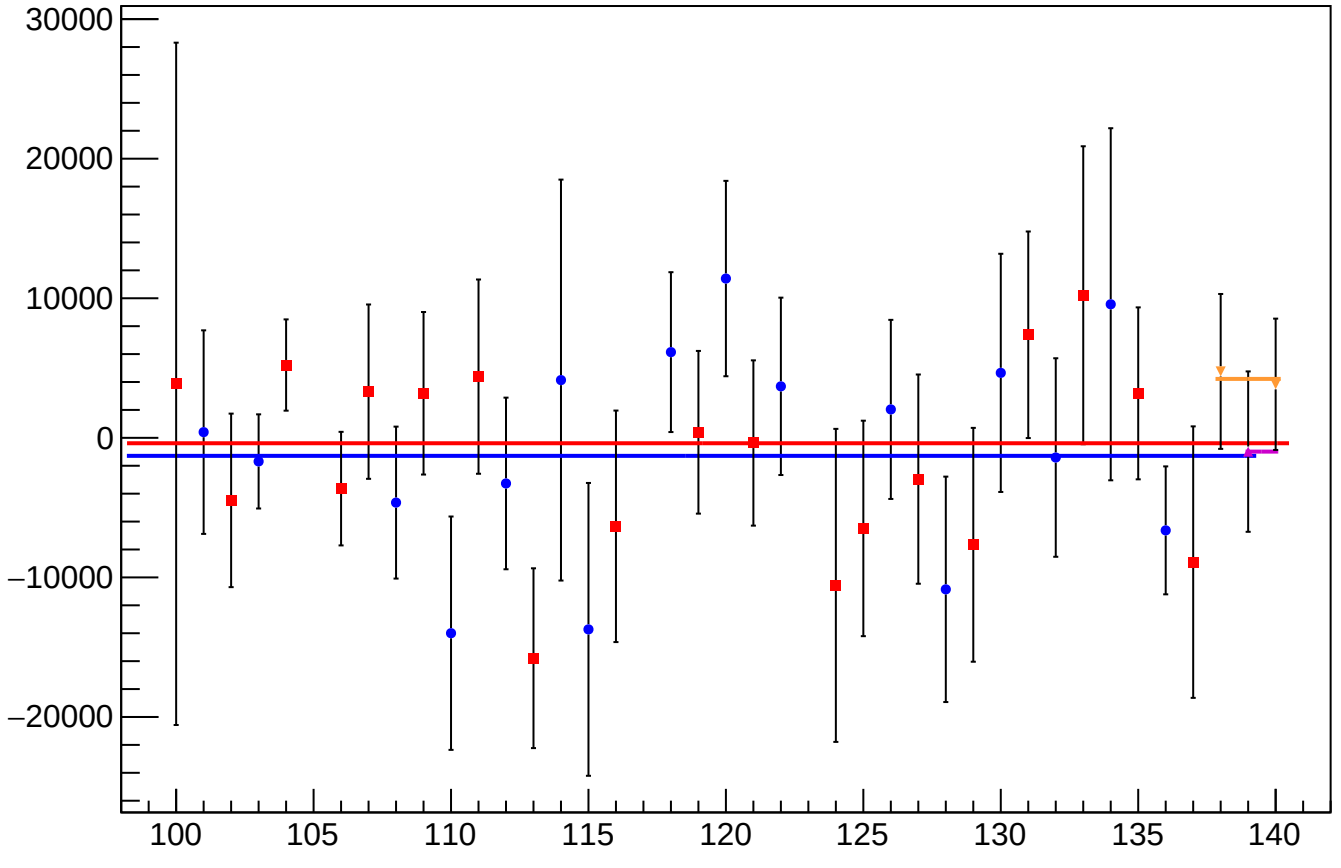
Left: 1900.669+/-0.855 χ^2/NDF: 71.8/2

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1916.762+/-0.487 χ^2/NDF:697644.0/16

Out: 1900.397+/-0.453 χ^2/NDF:215700.8/20

All: 1907.994+/-0.332 χ^2/NDF: 913949.5/37



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 4221.941+/-3588.115 χ^2/NDF:0.0/1

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -986.817+/-5746.130 χ^2/NDF:0.0/0

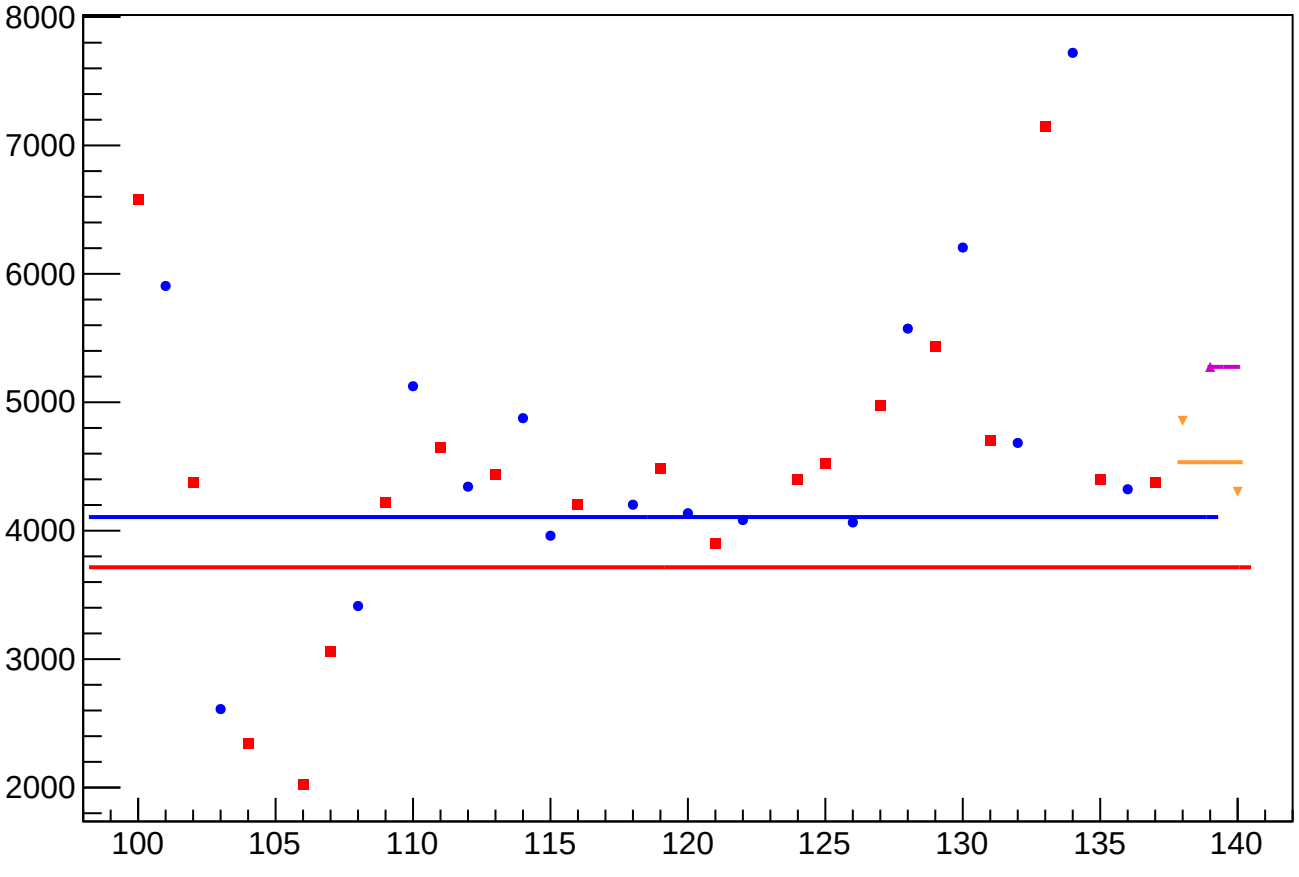
Left: 2760.691+/-3043.480 χ^2/NDF: 0.6/2

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -1269.353+/-1528.328 χ^2/NDF:14.3/16

Out: 260.645+/-1345.596 χ^2/NDF:18.4/20

All: -407.465+/-1009.938 χ^2/NDF: 33.3/37



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4533.485+/-2.537 χ^2/NDF:11543.4/1

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 5275.701+/-4.063 χ^2/NDF:0.0/0

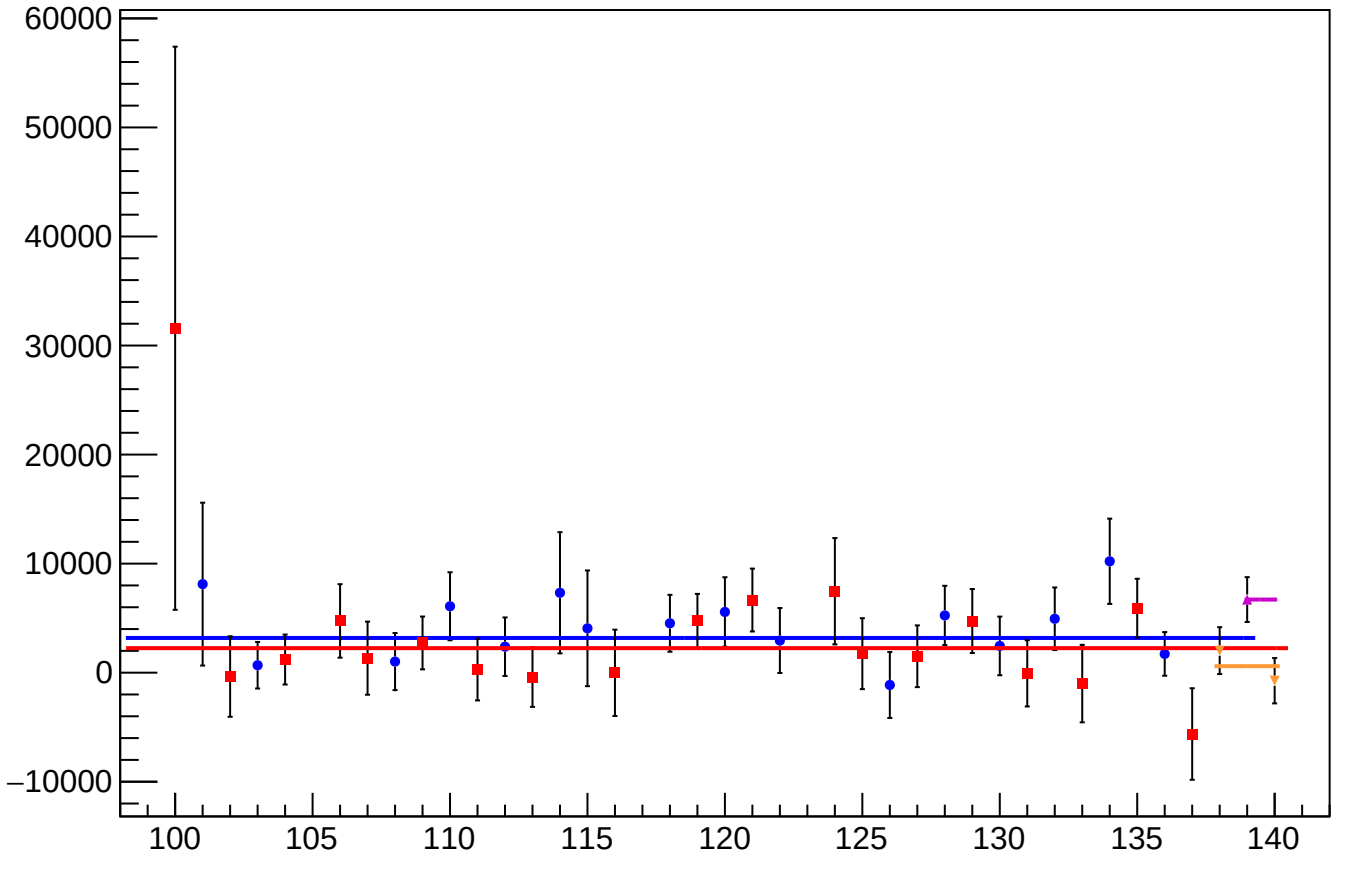
Left: 4741.704+/-2.152 χ^2/NDF: 35551.0/2

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4188.965+/-1.081 χ^2/NDF:1032613.5/16

Out: 3830.283+/-0.951 χ^2/NDF:1436032.6/20

All: 3986.910+/-0.714 χ^2/NDF: 2530701.3/37



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 595.475+/-1494.986 χ^2/NDF:0.9/1

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 6703.700+/-2057.051 χ^2/NDF:0.0/0

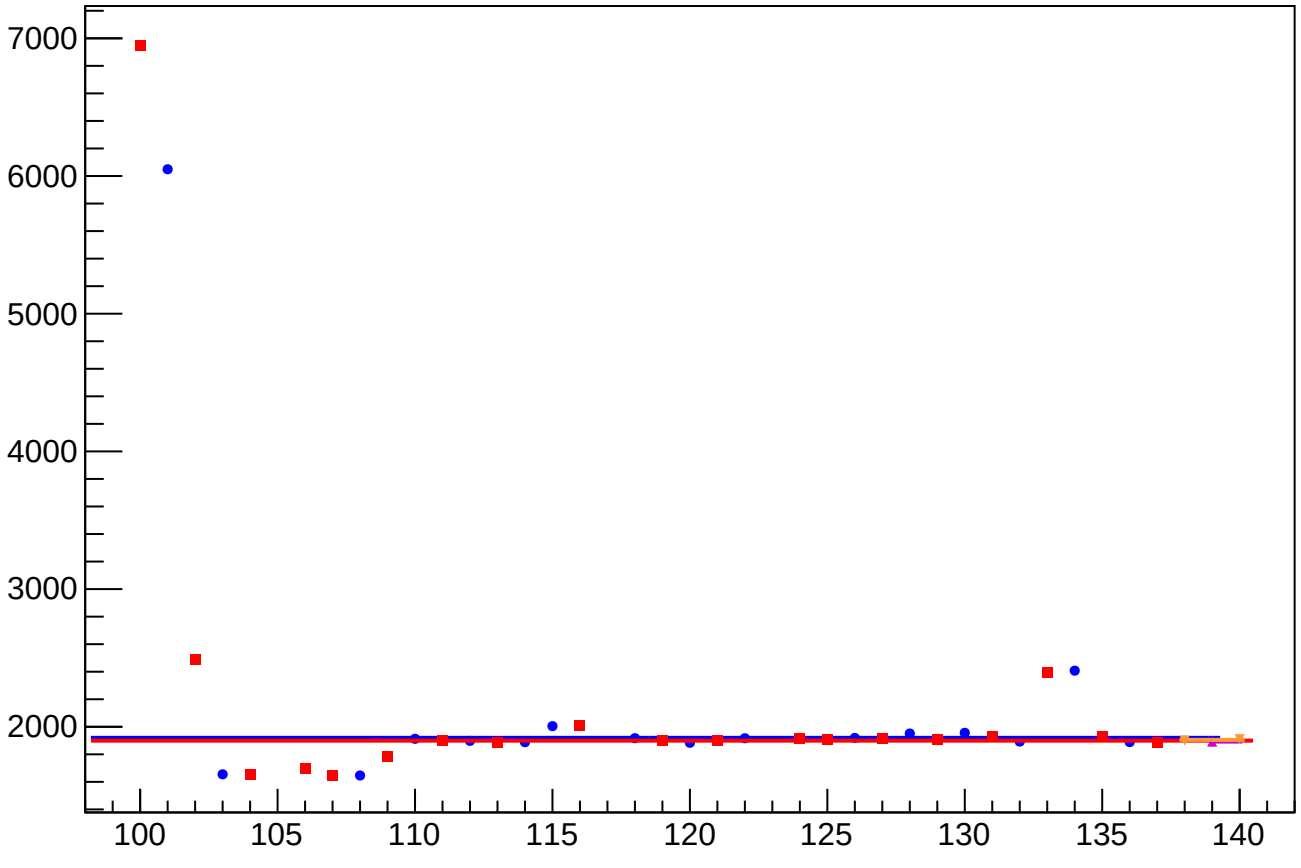
Left: 2706.649+/-1209.343 χ^2/NDF: 6.6/2

Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3577.858+/-688.912 χ^2/NDF:14.3/16

Out: 1942.572+/-642.022 χ^2/NDF:18.4/20

All: 2702.673+/-469.681 χ^2/NDF: 35.7/37



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1904.983+/-1.057 χ^2/NDF:23.6/1

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1892.500+/-1.455 χ^2/NDF:0.0/0

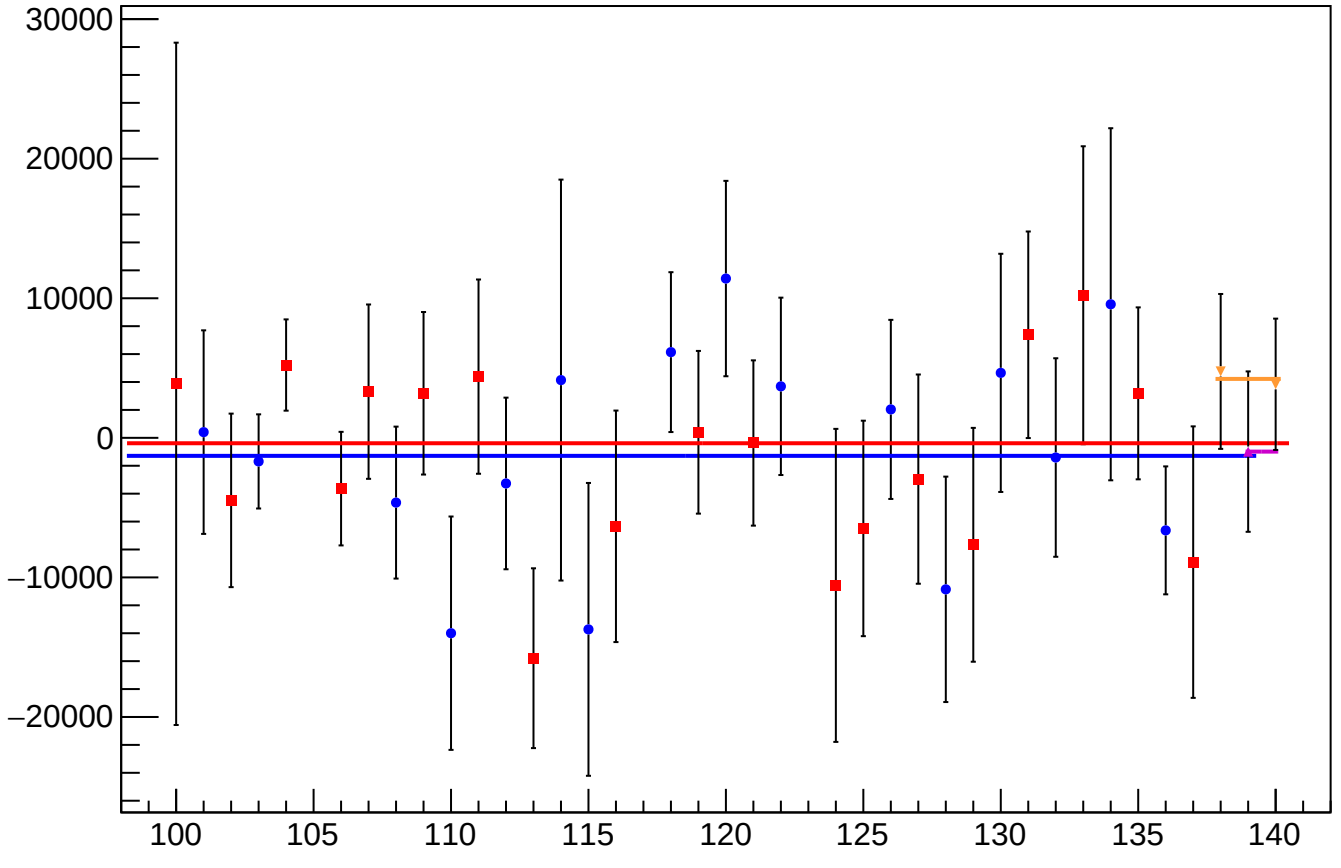
Left: 1900.669+/-0.855 χ^2/NDF: 71.8/2

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1916.762+/-0.487 χ^2/NDF:697644.0/16

Out: 1900.397+/-0.453 χ^2/NDF:215700.8/20

All: 1907.994+/-0.332 χ^2/NDF: 913949.5/37



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 4221.941+/-3588.115 χ^2/NDF:0.0/1

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -986.817+/-5746.130 χ^2/NDF:0.0/0

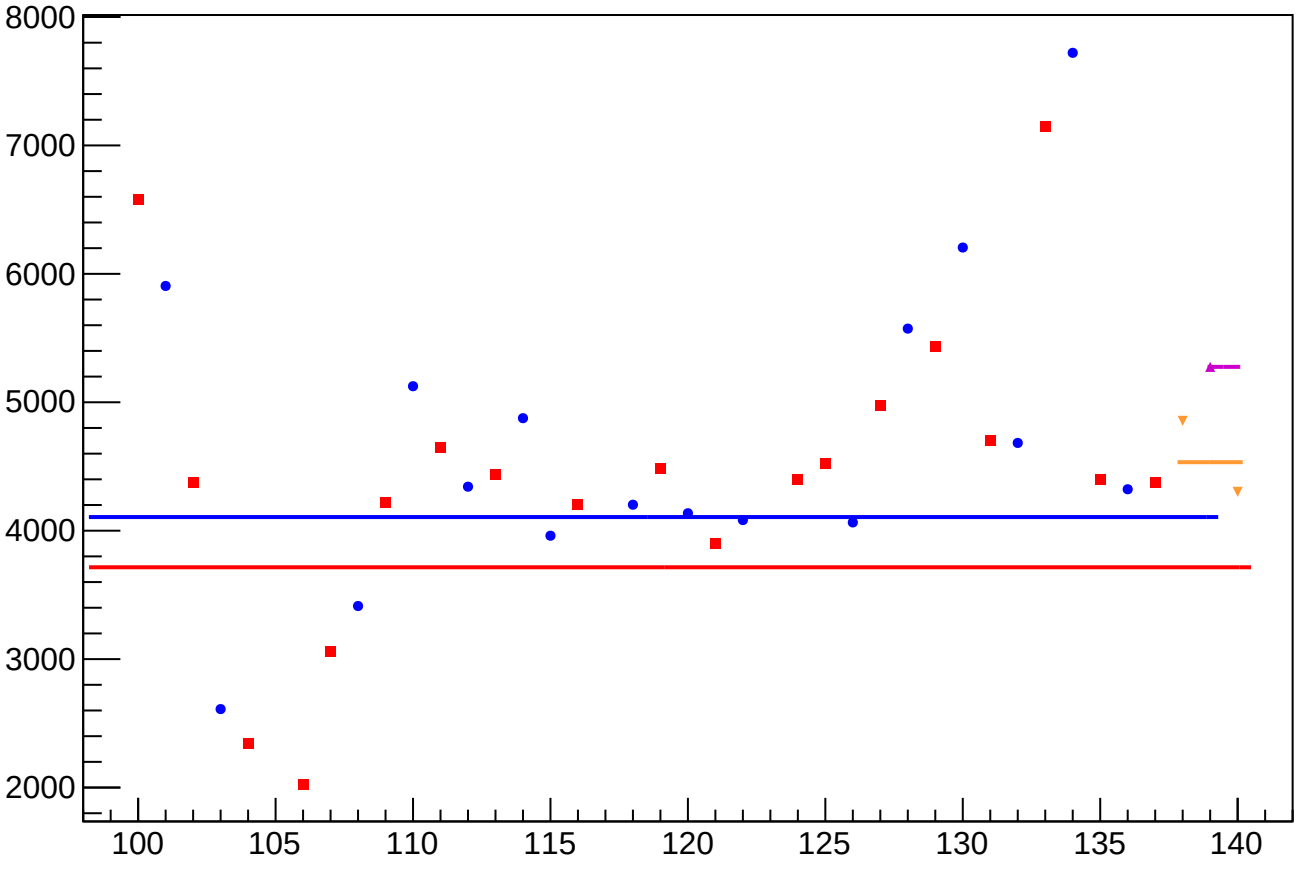
Left: 2760.691+/-3043.480 χ^2/NDF: 0.6/2

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -1269.353+/-1528.328 χ^2/NDF:14.3/16

Out: 260.645+/-1345.596 χ^2/NDF:18.4/20

All: -407.465+/-1009.938 χ^2/NDF: 33.3/37



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4533.485+/-2.537 χ^2/NDF:11543.4/1

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 5275.701+/-4.063 χ^2/NDF:0.0/0

Left: 4741.704+/-2.152 χ^2/NDF: 35551.0/2

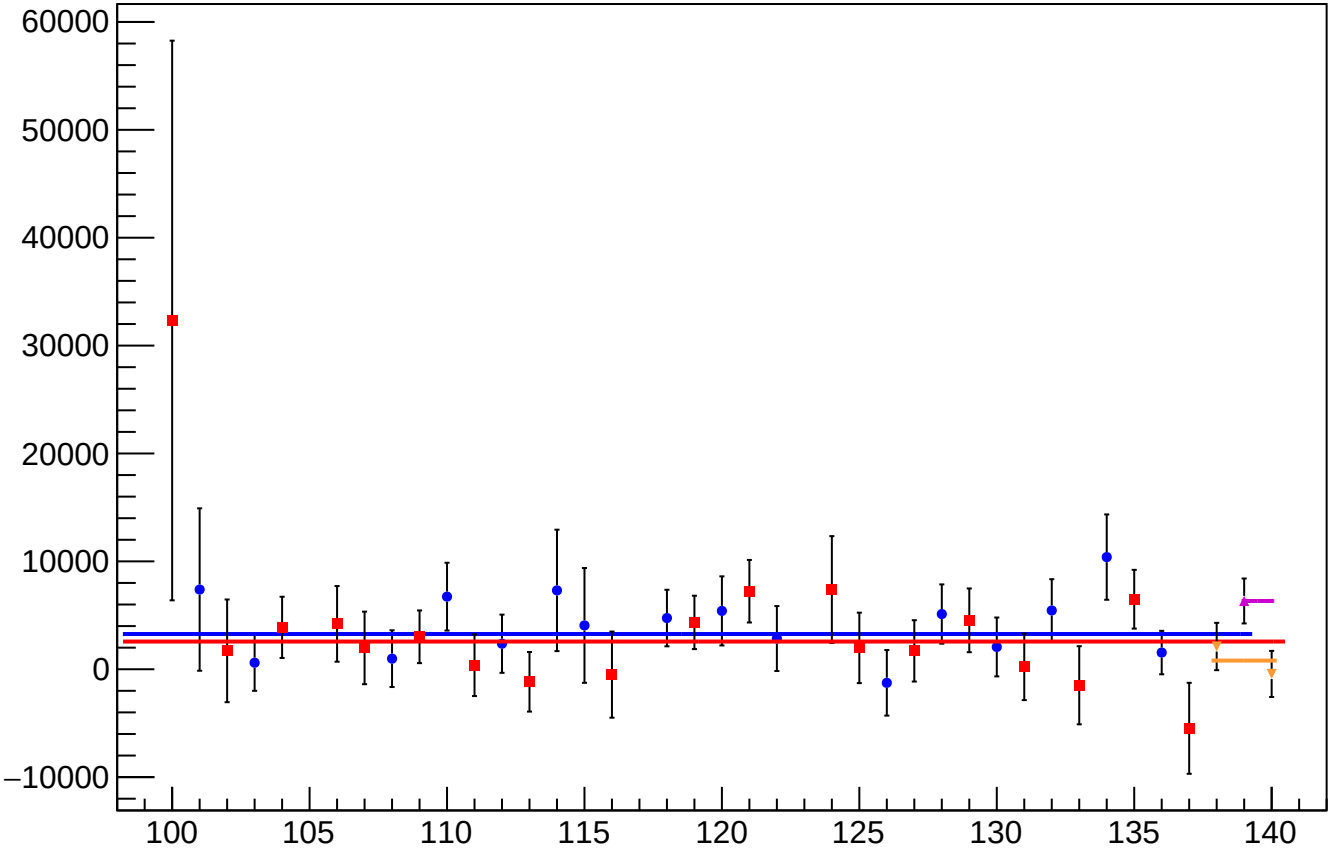
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4188.965+/-1.081 χ^2/NDF:1032613.5/16

Out: 3830.283+/-0.951 χ^2/NDF:1436032.6/20

All: 3986.910+/-0.714 χ^2/NDF: 2530701.3/37

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 802.876+/-1531.086 χ^2/NDF:0.7/1

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 6329.153+/-2082.528 χ^2/NDF:0.0/0

Left: 2741.889+/-1233.573 χ^2/NDF: 5.3/2

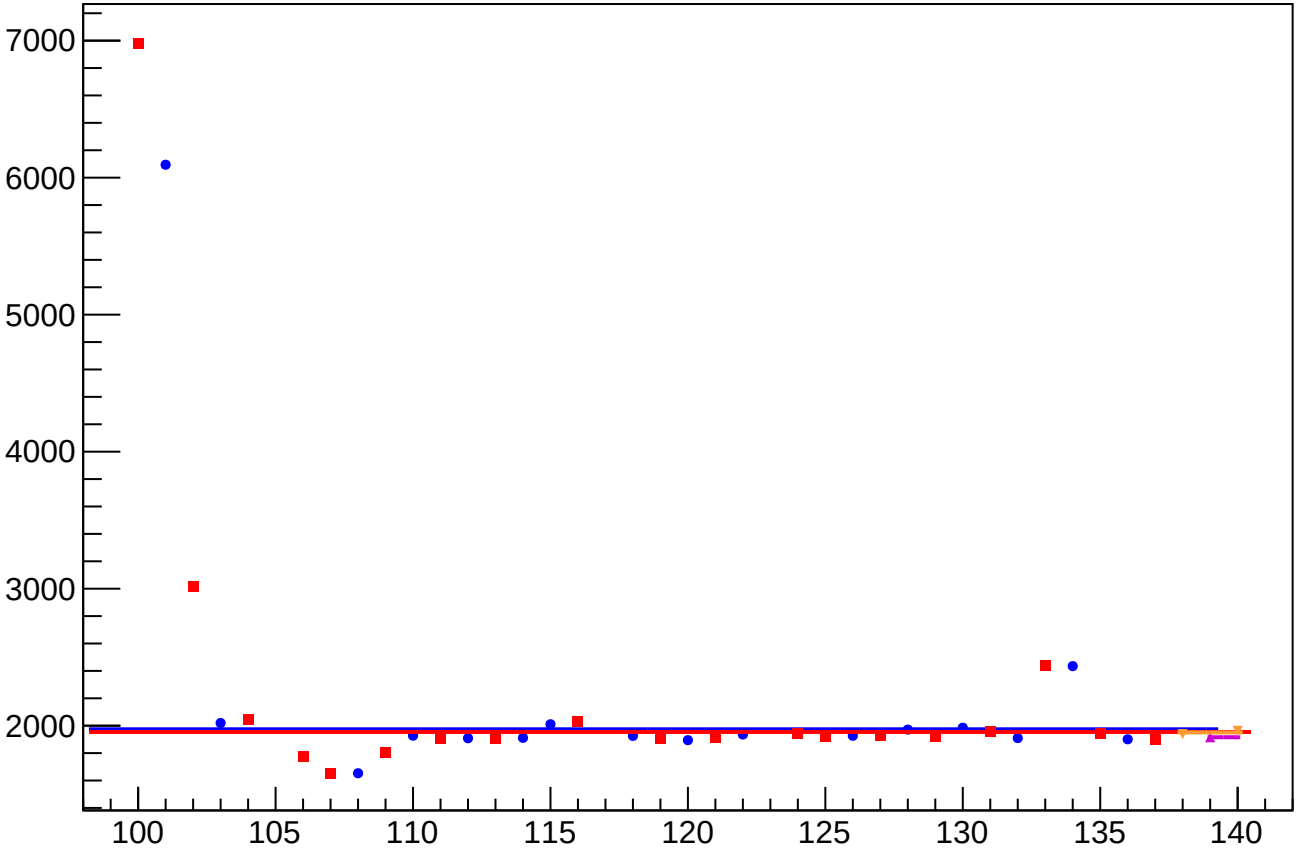
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3617.193+/-706.354 χ^2/NDF:14.1/16

Out: 2236.433+/-662.515 χ^2/NDF:18.8/20

All: 2882.638+/-483.224 χ^2/NDF: 34.9/37

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1950.815+/-1.083 χ^2/NDF:121.8/1

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1915.782+/-1.473 χ^2/NDF:0.0/0

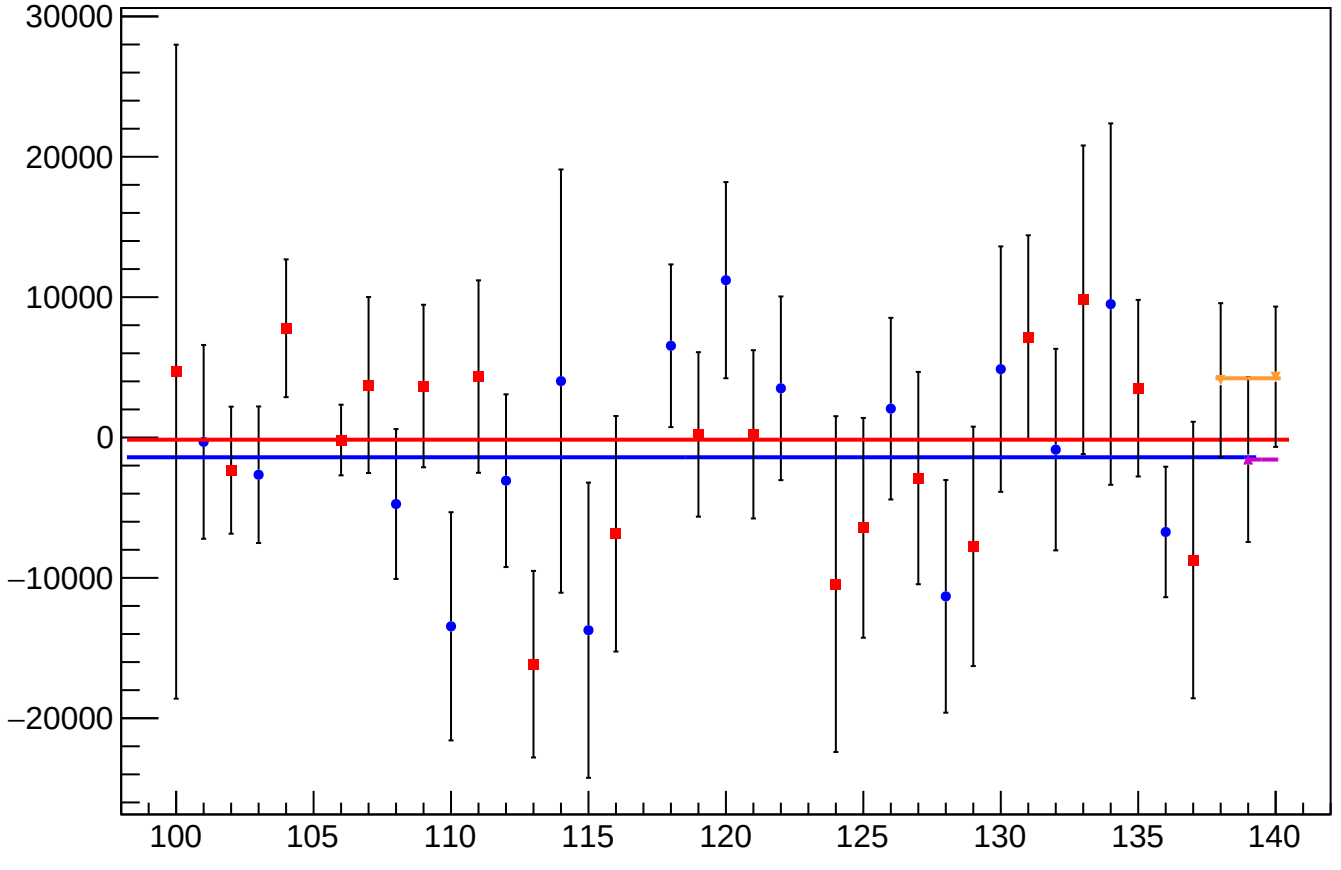
Left: 1938.523+/-0.872 χ^2/NDF: 489.2/2

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1967.079+/-0.499 χ^2/NDF:666495.5/16

Out: 1953.680+/-0.468 χ^2/NDF:246341.8/20

All: 1959.946+/-0.342 χ^2/NDF: 913220.4/37



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 4219.646+/-3693.111 χ^2/NDF:0.0/1

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: -1568.699+/-5876.557 χ^2/NDF:0.0/0

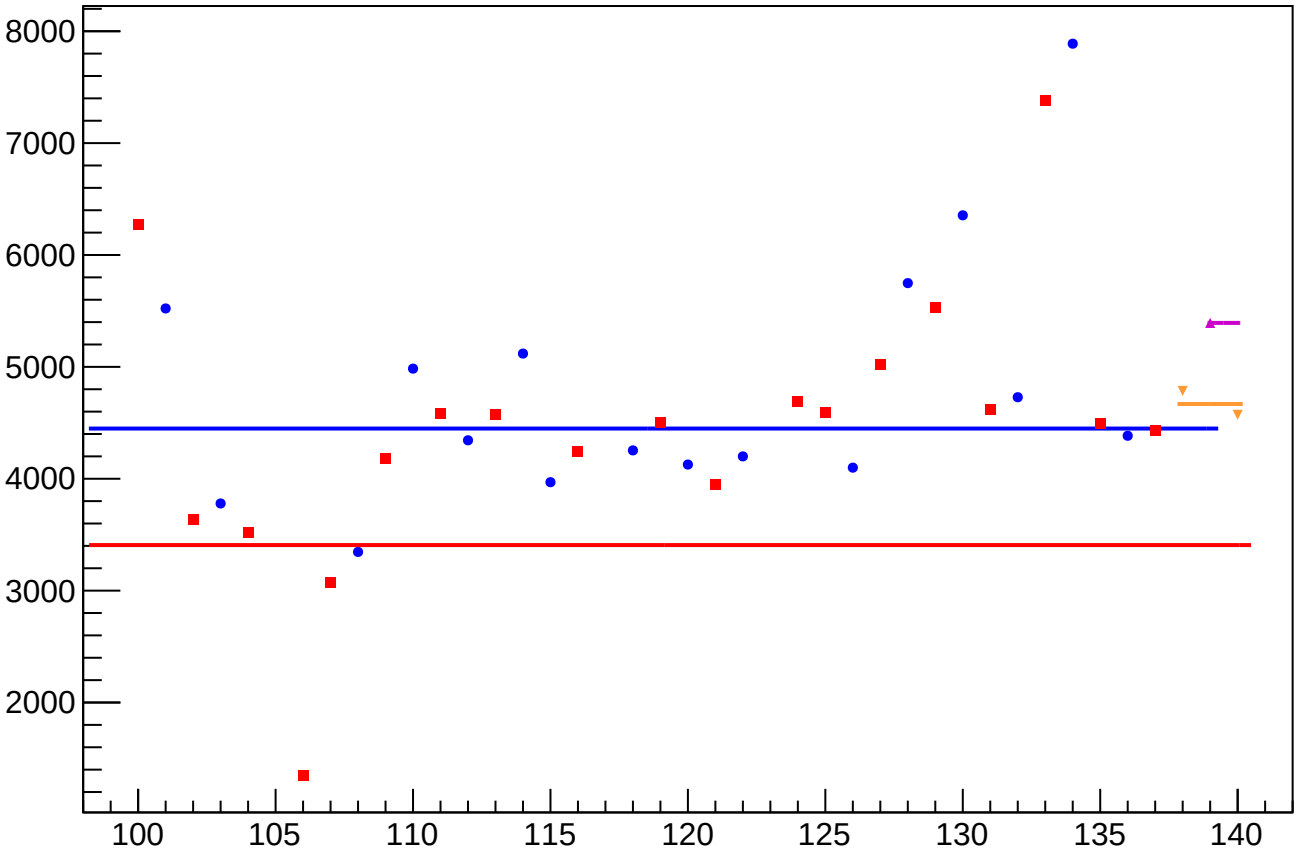
Left: 2580.810+/-3126.897 χ^2/NDF: 0.7/2

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -1419.704+/-1624.161 χ^2/NDF:14.2/16

Out: 369.631+/-1279.225 χ^2/NDF:17.1/20

All: -315.413+/-1004.946 χ^2/NDF: 32.0/37



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4668.259+/-2.611 χ^2/NDF:1659.4/1

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 5393.048+/-4.155 χ^2/NDF:0.0/0

Left: 4873.466+/-2.211 χ^2/NDF: 23469.0/2

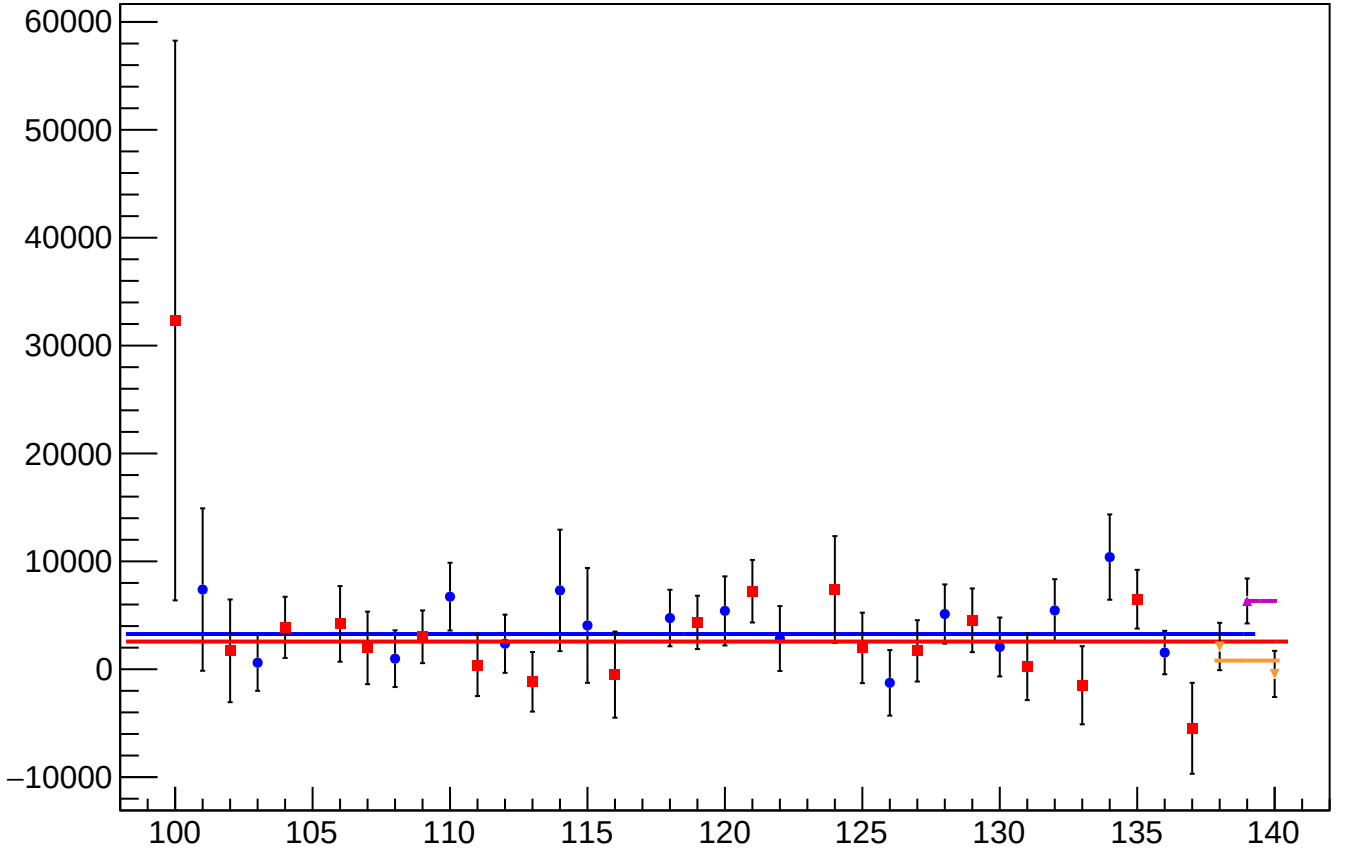
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4520.845+/-1.148 χ^2/NDF:542314.6/16

Out: 3558.438+/-0.905 χ^2/NDF:2532958.2/20

All: 3926.894+/-0.711 χ^2/NDF: 3508664.5/37

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 802.871+/-1531.086 χ^2/NDF:0.7/1

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 6329.114+/-2082.529 χ^2/NDF:0.0/0

Left: 2741.871+/-1233.573 χ^2/NDF: 5.3/2

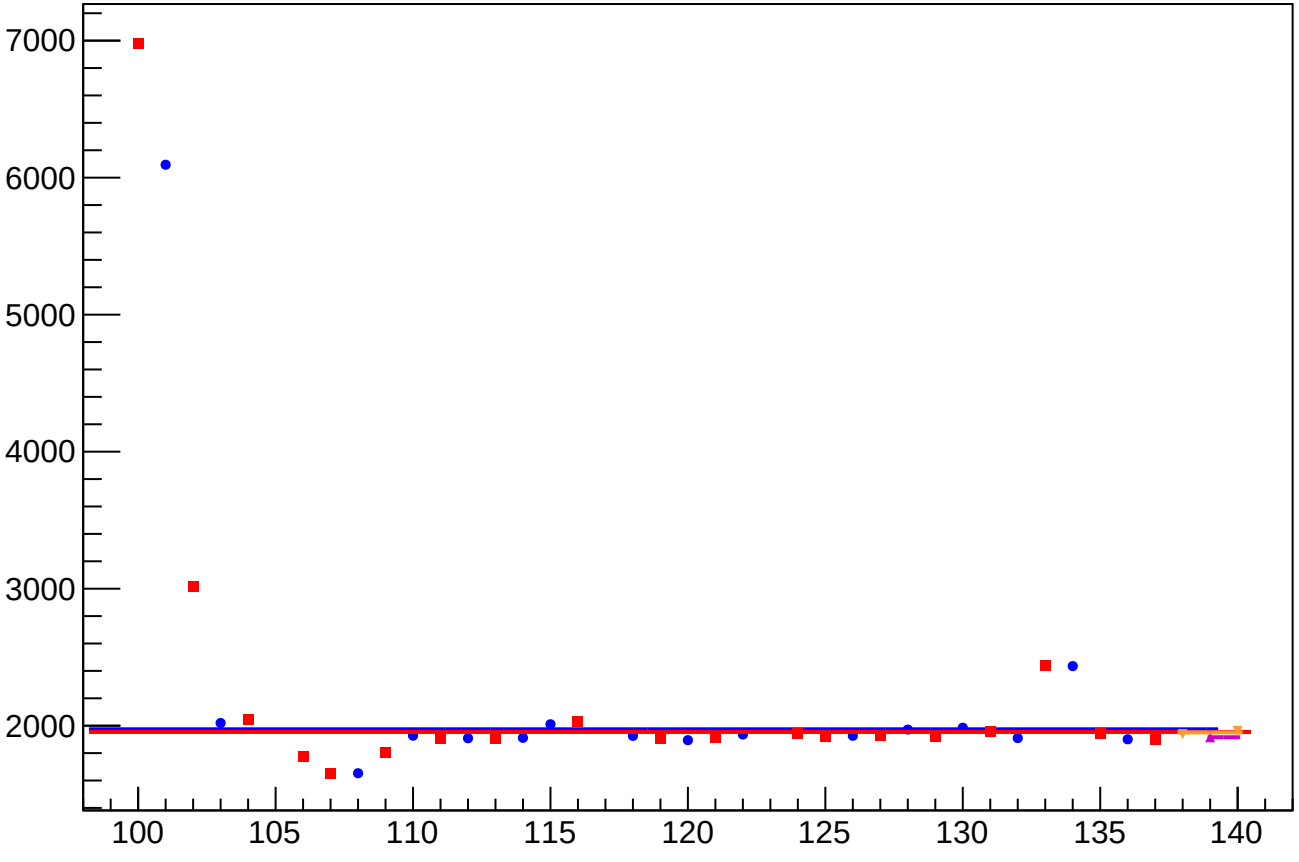
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3617.192+/-706.354 χ^2/NDF:14.1/16

Out: 2236.437+/-662.515 χ^2/NDF:18.8/20

All: 2882.639+/-483.224 χ^2/NDF: 34.9/37

eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1950.816+/-1.083 χ^2/NDF:121.8/1

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1915.782+/-1.473 χ^2/NDF:0.0/0

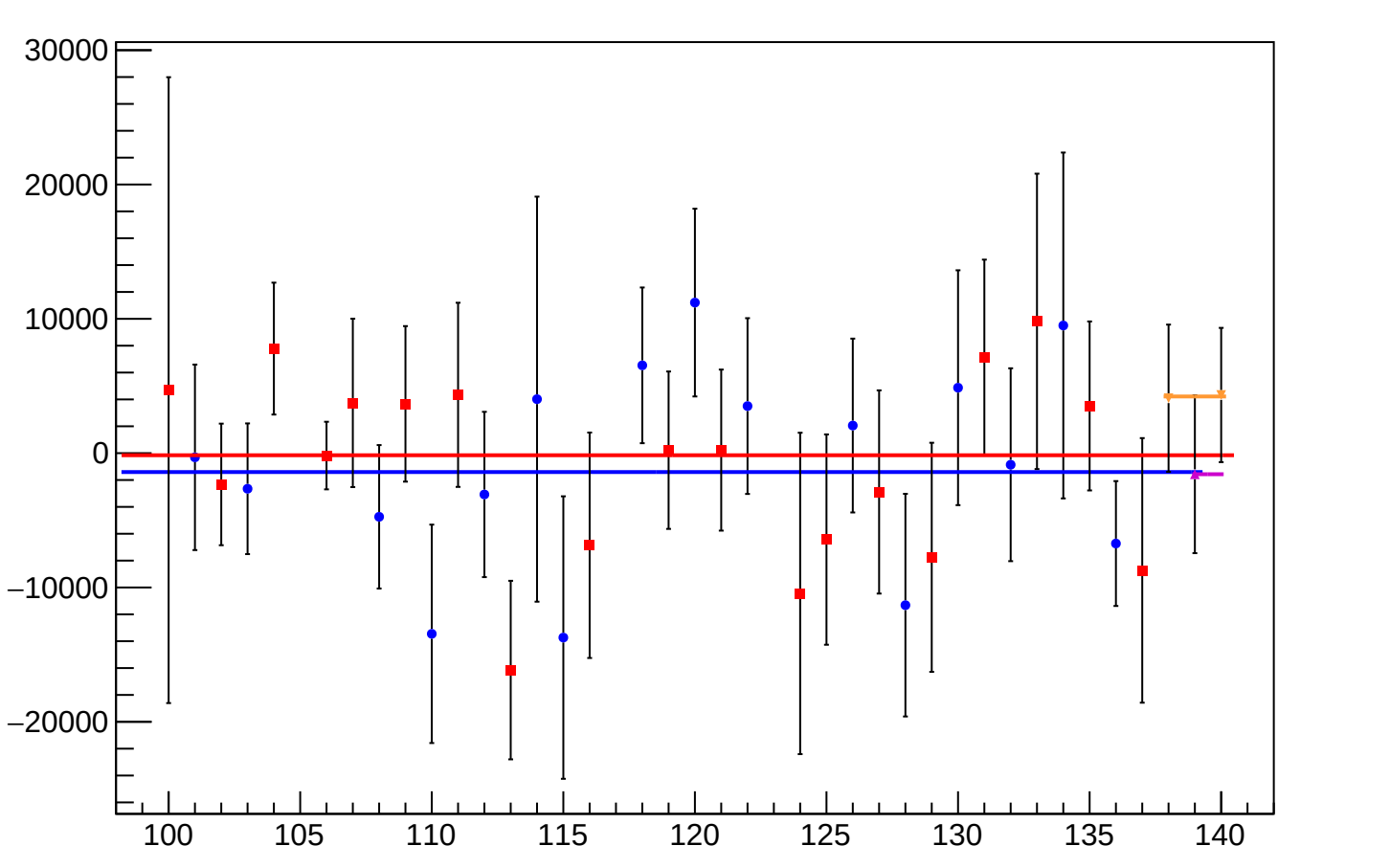
Left: 1938.524+/-0.872 χ^2/NDF: 489.2/2

Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1967.079+/-0.499 χ^2/NDF:666495.5/16

Out: 1953.680+/-0.468 χ^2/NDF:246341.2/20

All: 1959.946+/-0.342 χ^2/NDF: 913219.8/37



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 4219.642+/-3693.113 χ^2/NDF:0.0/1

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: -1568.747+/-5876.568 χ^2/NDF:0.0/0

Left: 2580.796+/-3126.900 χ^2/NDF: 0.7/2

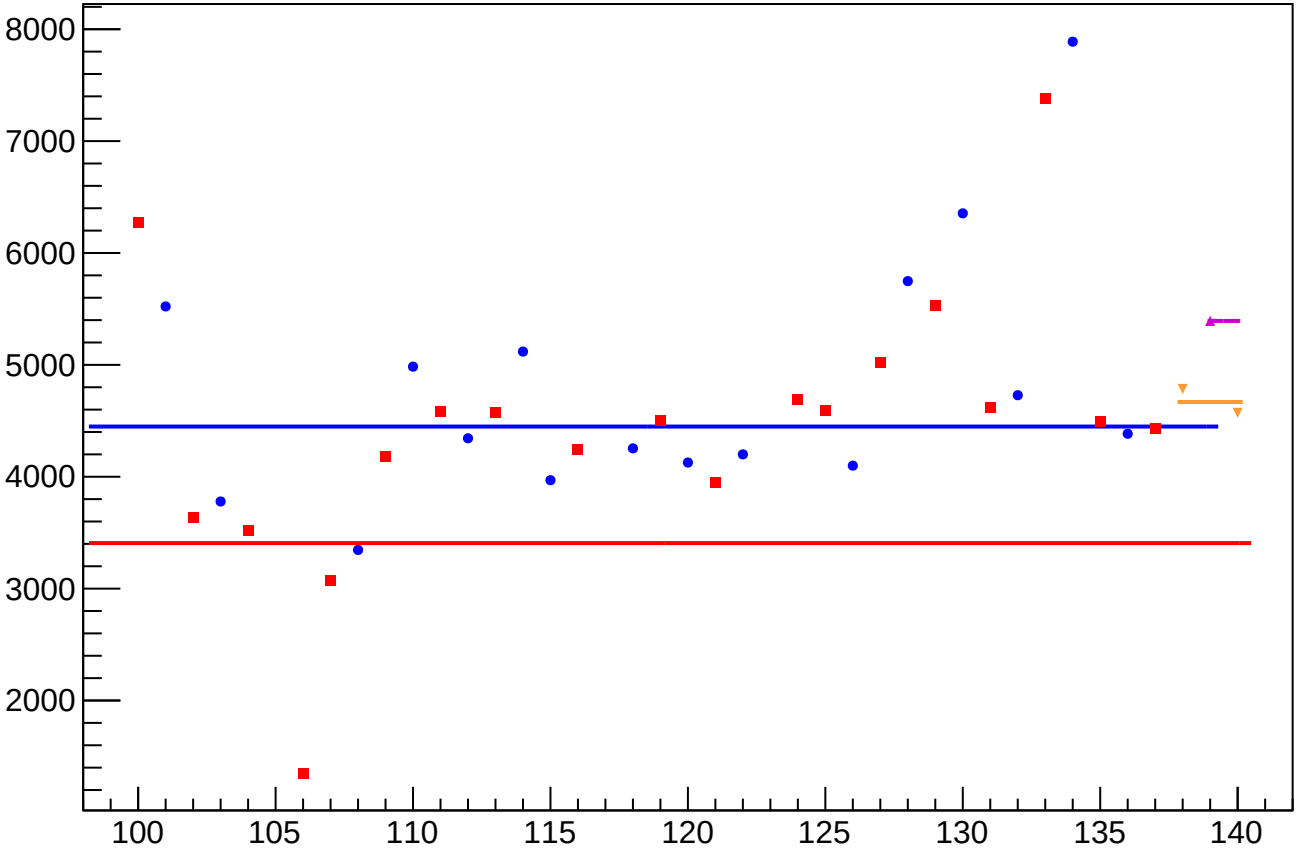
Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -1419.690+/-1624.159 χ^2/NDF:14.2/16

Out: 369.627+/-1279.222 χ^2/NDF:17.1/20

All: -315.410+/-1004.944 χ^2/NDF: 32.0/37

asym_atr_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4668.262+/-2.611 χ^2/NDF:1659.5/1

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 5393.057+/-4.155 χ^2/NDF:0.0/0

Left: 4873.471+/-2.211 χ^2/NDF: 23469.5/2

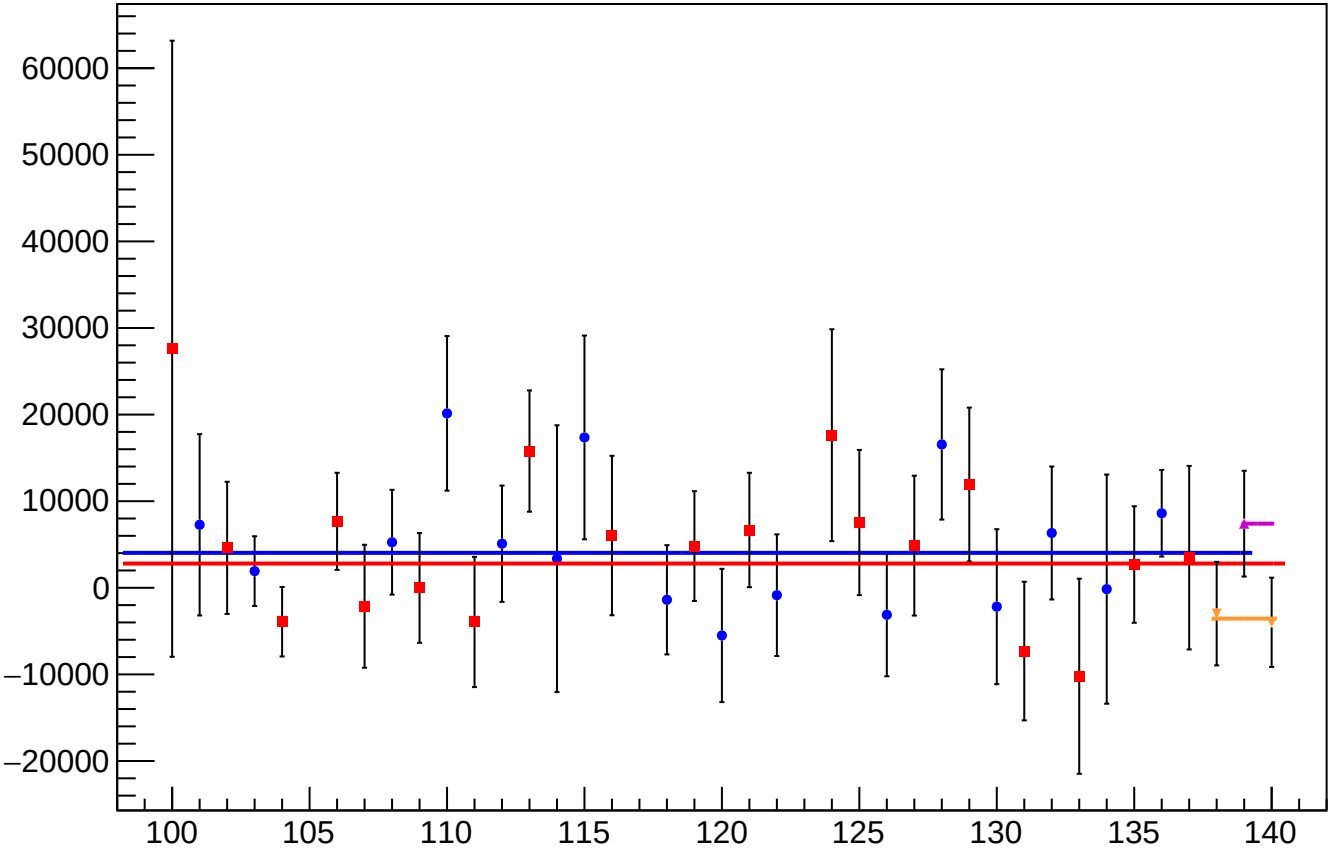
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4520.838+/-1.148 χ^2/NDF:542313.3/16

Out: 3558.431+/-0.905 χ^2/NDF:2532965.5/20

All: 3926.887+/-0.711 χ^2/NDF: 3508672.9/37

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -3558.769+/-3903.752 χ^2/NDF:0.0/1

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 7406.939+/-6107.739 χ^2/NDF:0.0/0

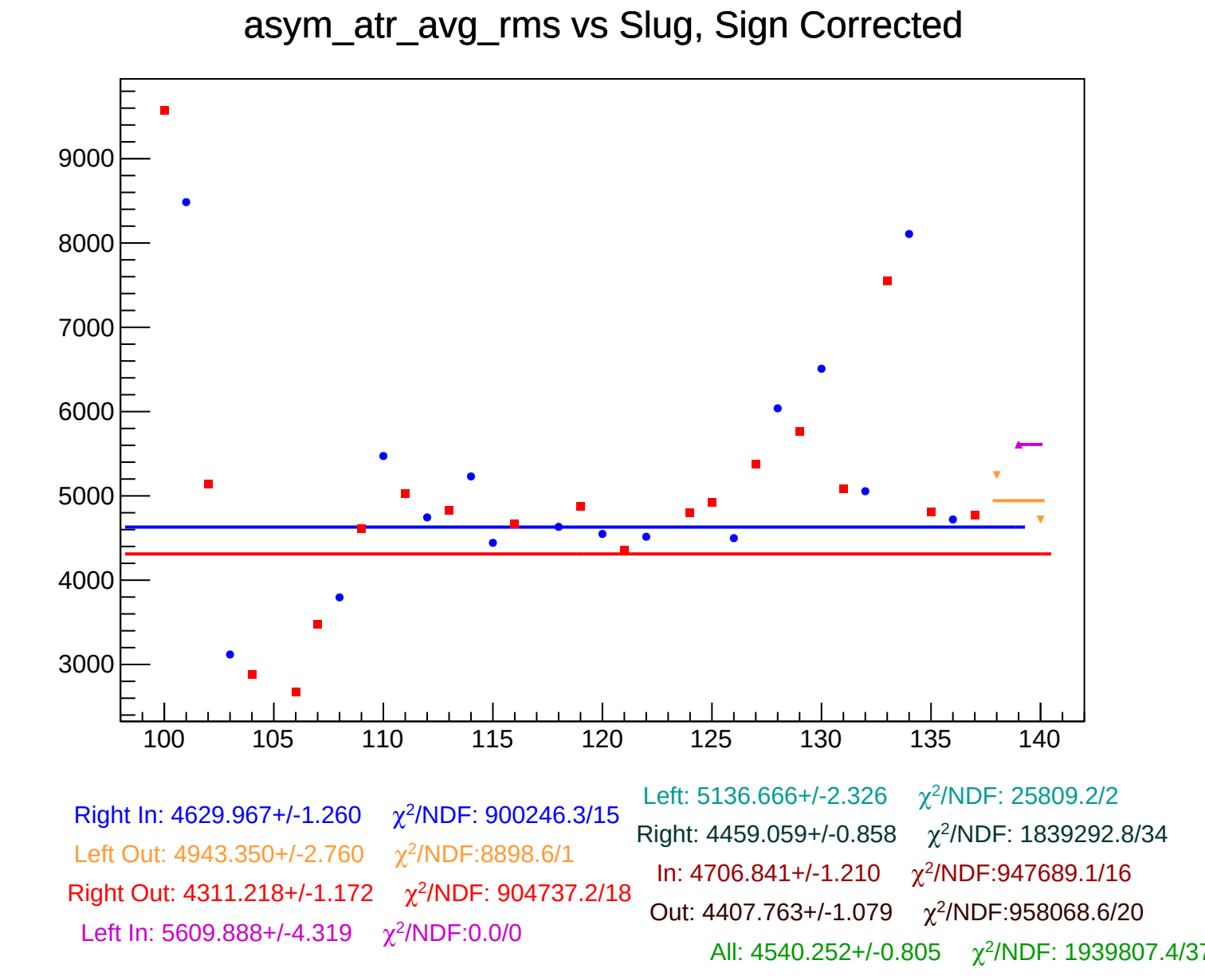
Left: -378.383+/-3289.290 χ^2/NDF: 2.3/2

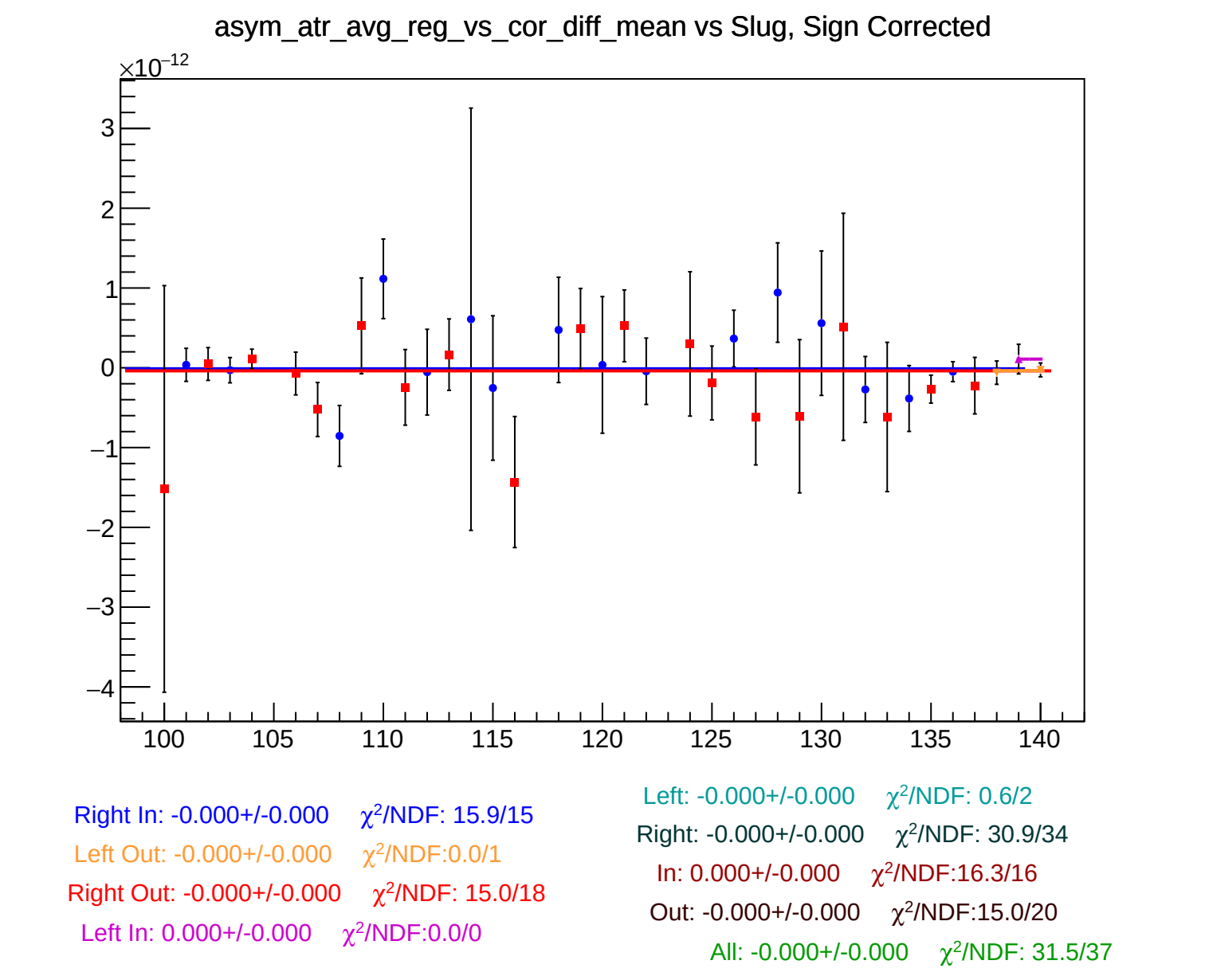
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

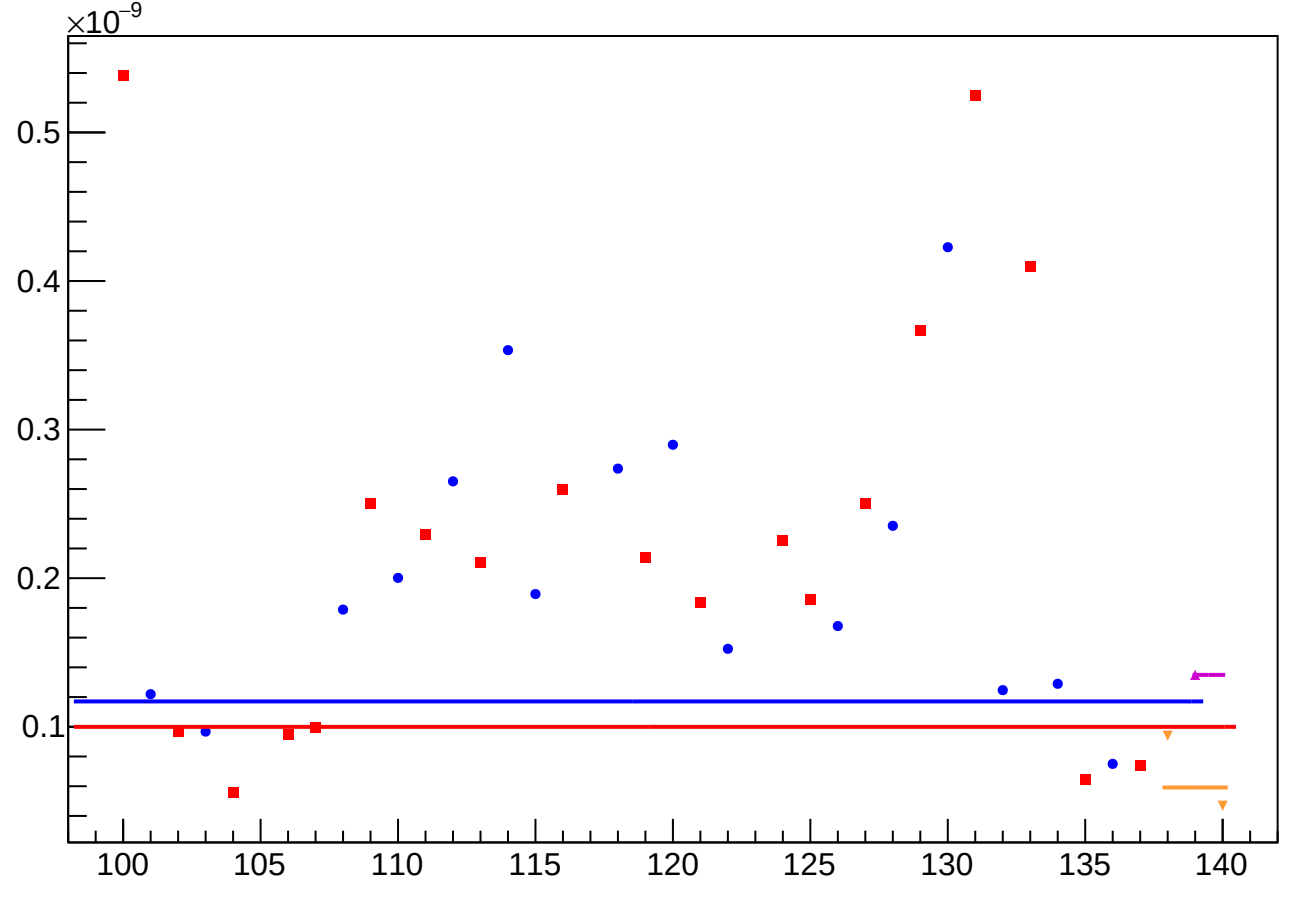
In: 4299.131+/-1710.703 χ^2/NDF:12.6/16

Out: 1814.912+/-1536.862 χ^2/NDF:17.7/20

All: 2924.423+/-1143.261 χ^2/NDF: 31.5/37


asym_atr_avg_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
105
110
115
120
125
130
135
140
Right In: 4629.967+/-1.260 χ²/NDF: 900246.3/15
Left Out: 4943.350+/-2.760 χ²/NDF:8898.6/1
Right Out: 4311.218+/-1.172 χ²/NDF: 904737.2/18
Left In: 5609.888+/-4.319 χ²/NDF:0.0/0
Left: 5136.666+/-2.326 χ²/NDF: 25809.2/2
Right: 4459.059+/-0.858 χ²/NDF: 1839292.8/34
In: 4706.841+/-1.210 χ²/NDF:947689.1/16
Out: 4407.763+/-1.079 χ²/NDF:958068.6/20
All: 4540.252+/-0.805 χ²/NDF: 1939807.4/37


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:0.0/1
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 0.6/2
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: 0.000+/-0.000 χ²/NDF:16.3/16
Out: -0.000+/-0.000 χ²/NDF:15.0/20
All: -0.000+/-0.000 χ²/NDF: 31.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:153544.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

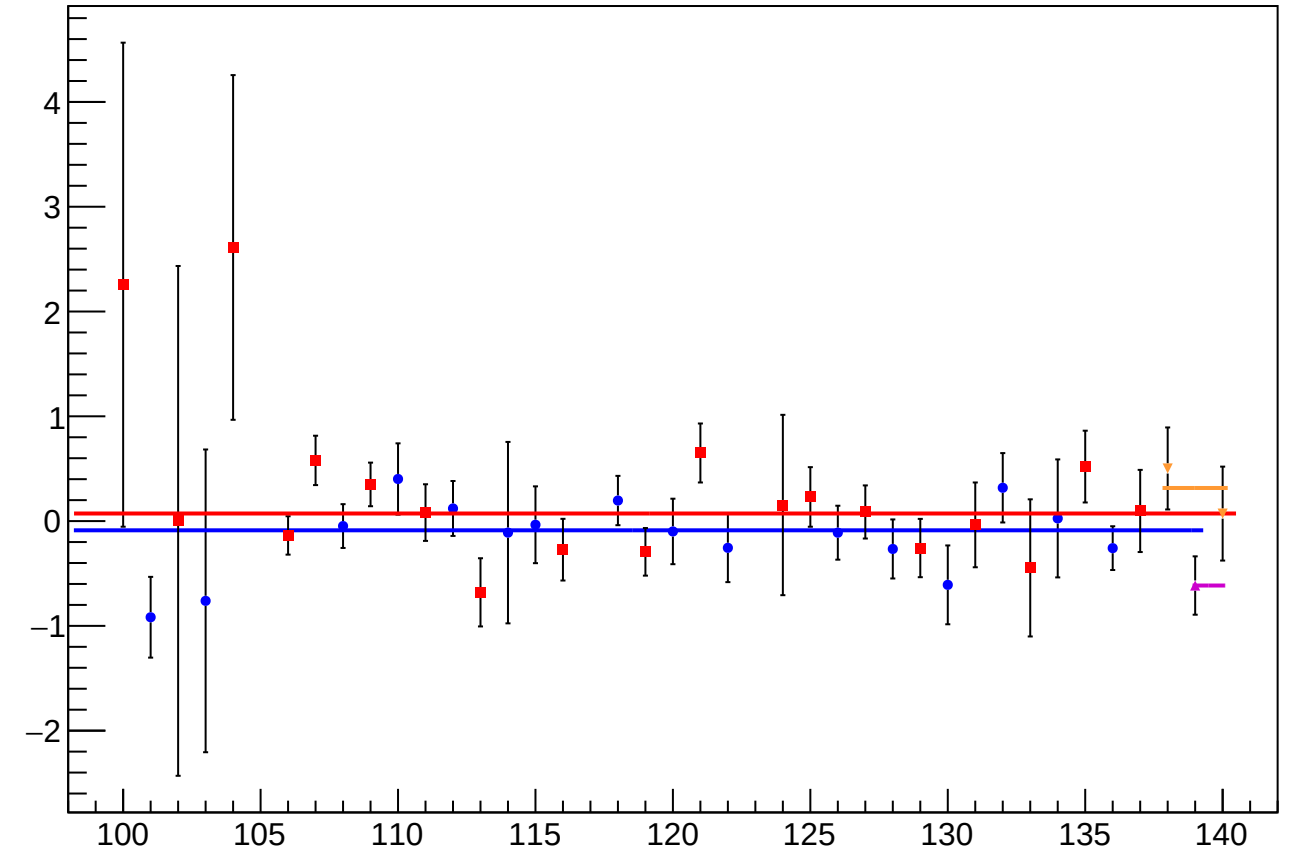
Left: 0.000+/-0.000 χ^2/NDF: 440884.2/2

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:1116377.3/16

Out: 0.000+/-0.000 χ^2/NDF:2304845.6/20

All: 0.000+/-0.000 χ^2/NDF: 3832456.6/37



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.316+/-0.295 χ^2/NDF:0.5/1

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.615+/-0.278 χ^2/NDF:0.0/0

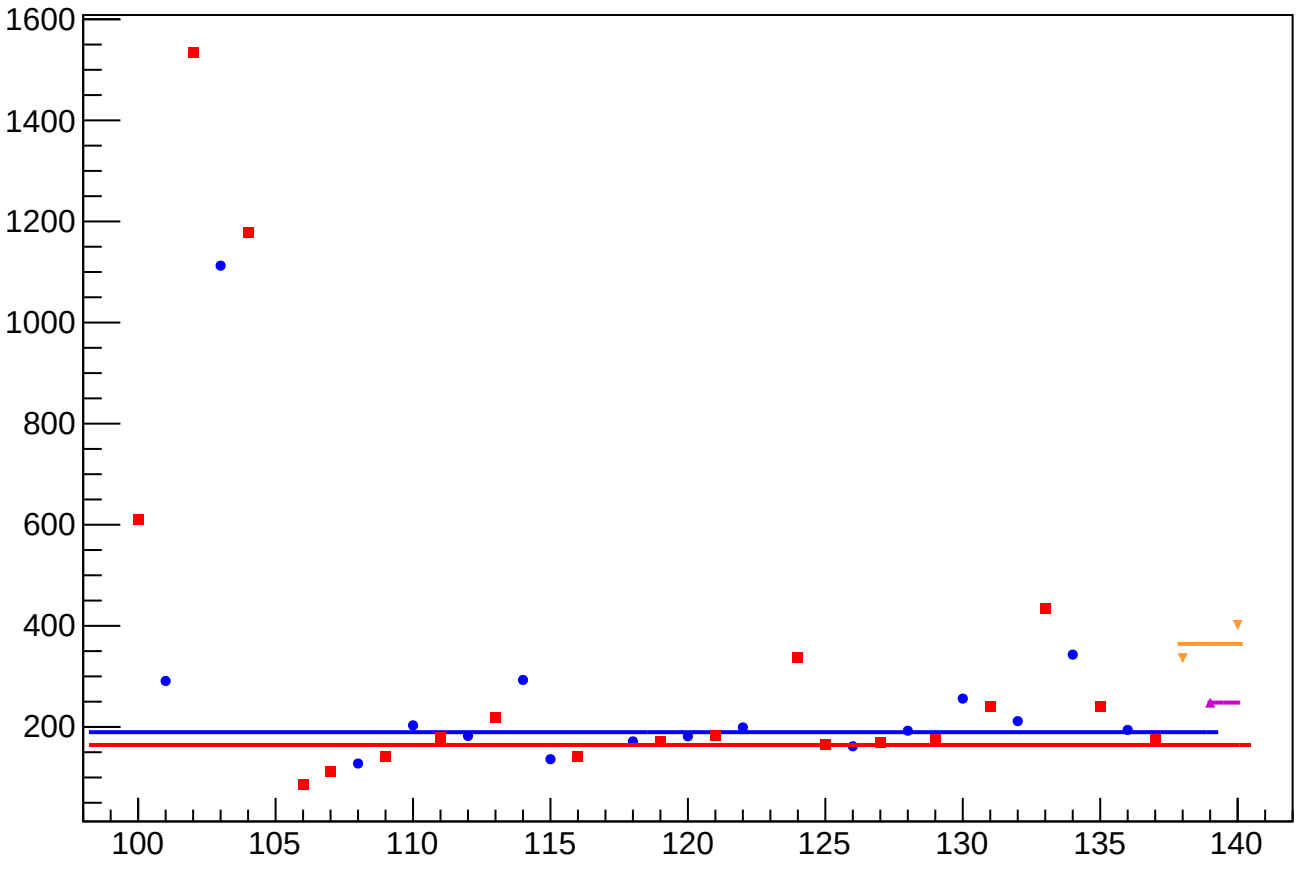
Left: -0.176+/-0.202 χ^2/NDF: 5.8/2

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.125+/-0.074 χ^2/NDF:17.2/16

Out: 0.085+/-0.068 χ^2/NDF:29.8/20

All: -0.011+/-0.050 χ^2/NDF: 51.4/37



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 364.292+/-0.208 χ^2/NDF:24290.6/1

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 248.181+/-0.197 χ^2/NDF:0.0/0

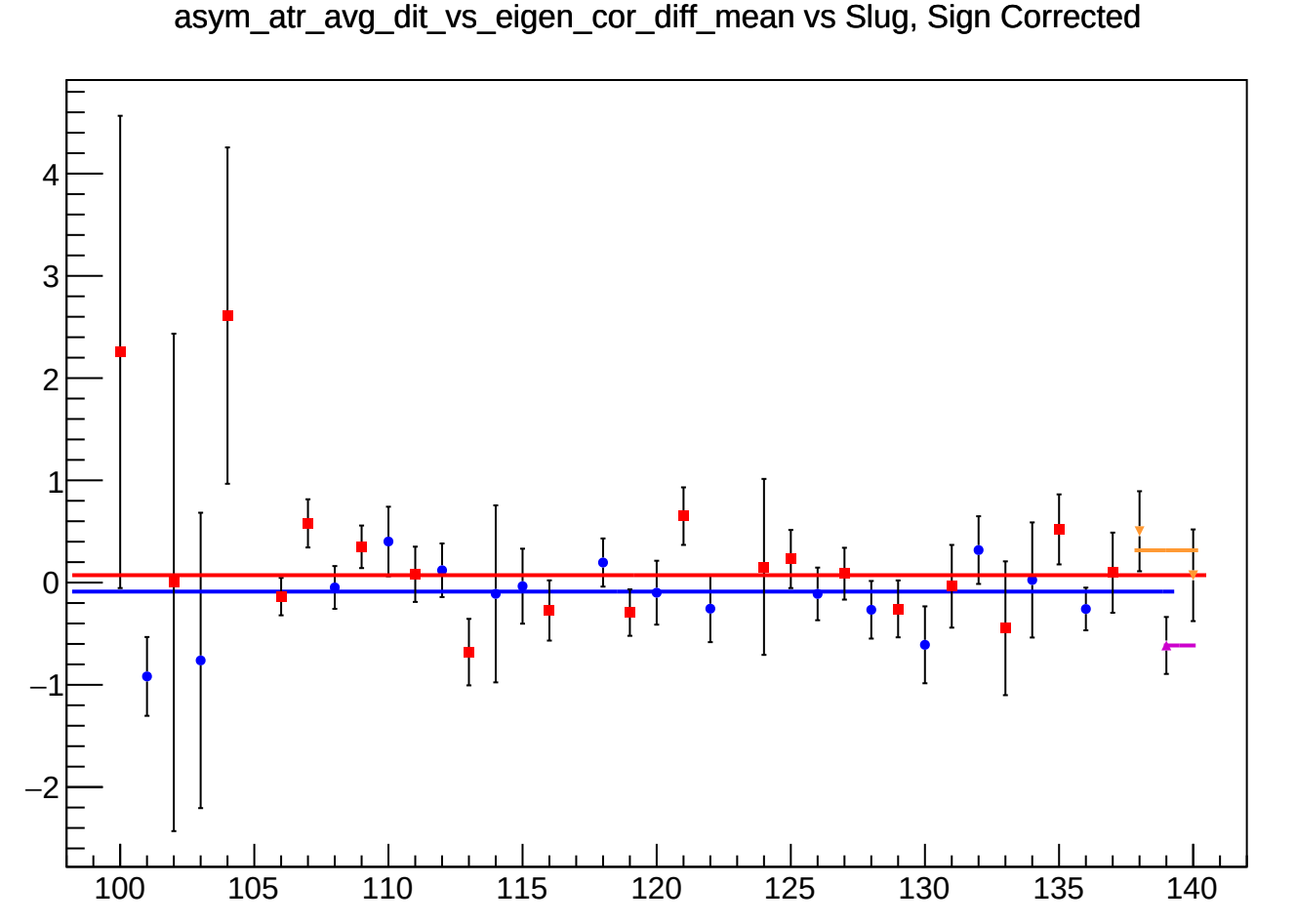
Left: 302.933+/-0.143 χ^2/NDF: 188228.2/2

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 193.763+/-0.052 χ^2/NDF:1547642.4/16

Out: 174.965+/-0.048 χ^2/NDF:3539113.4/20

All: 183.586+/-0.035 χ^2/NDF: 5156613.8/37



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.316+/-0.295 χ^2/NDF:0.5/1

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.615+/-0.278 χ^2/NDF:0.0/0

Left: -0.176+/-0.202 χ^2/NDF: 5.8/2

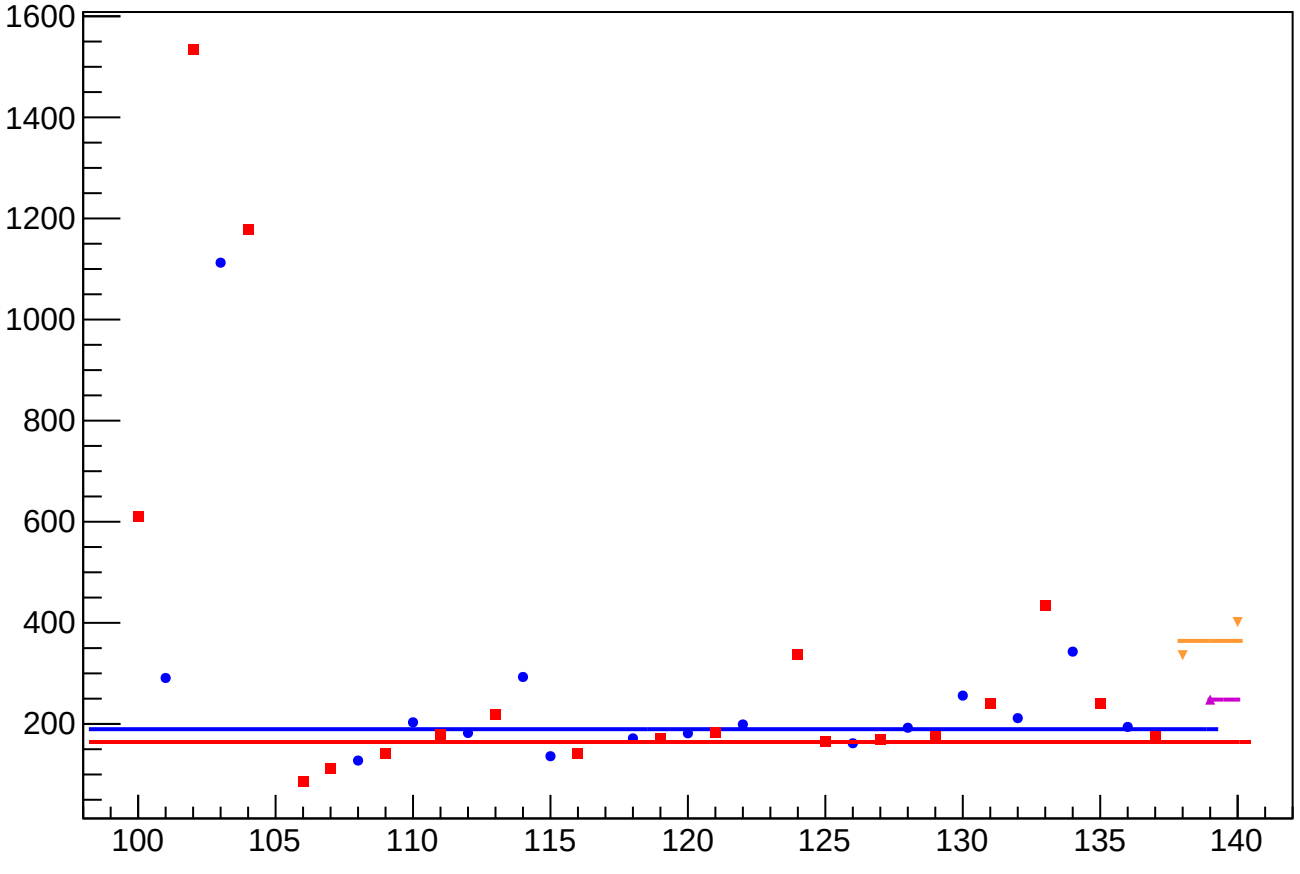
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.125+/-0.074 χ^2/NDF:17.2/16

Out: 0.085+/-0.068 χ^2/NDF:29.8/20

All: -0.011+/-0.050 χ^2/NDF: 51.4/37

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 364.292+/-0.208 χ^2/NDF:24290.6/1

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 248.181+/-0.197 χ^2/NDF:0.0/0

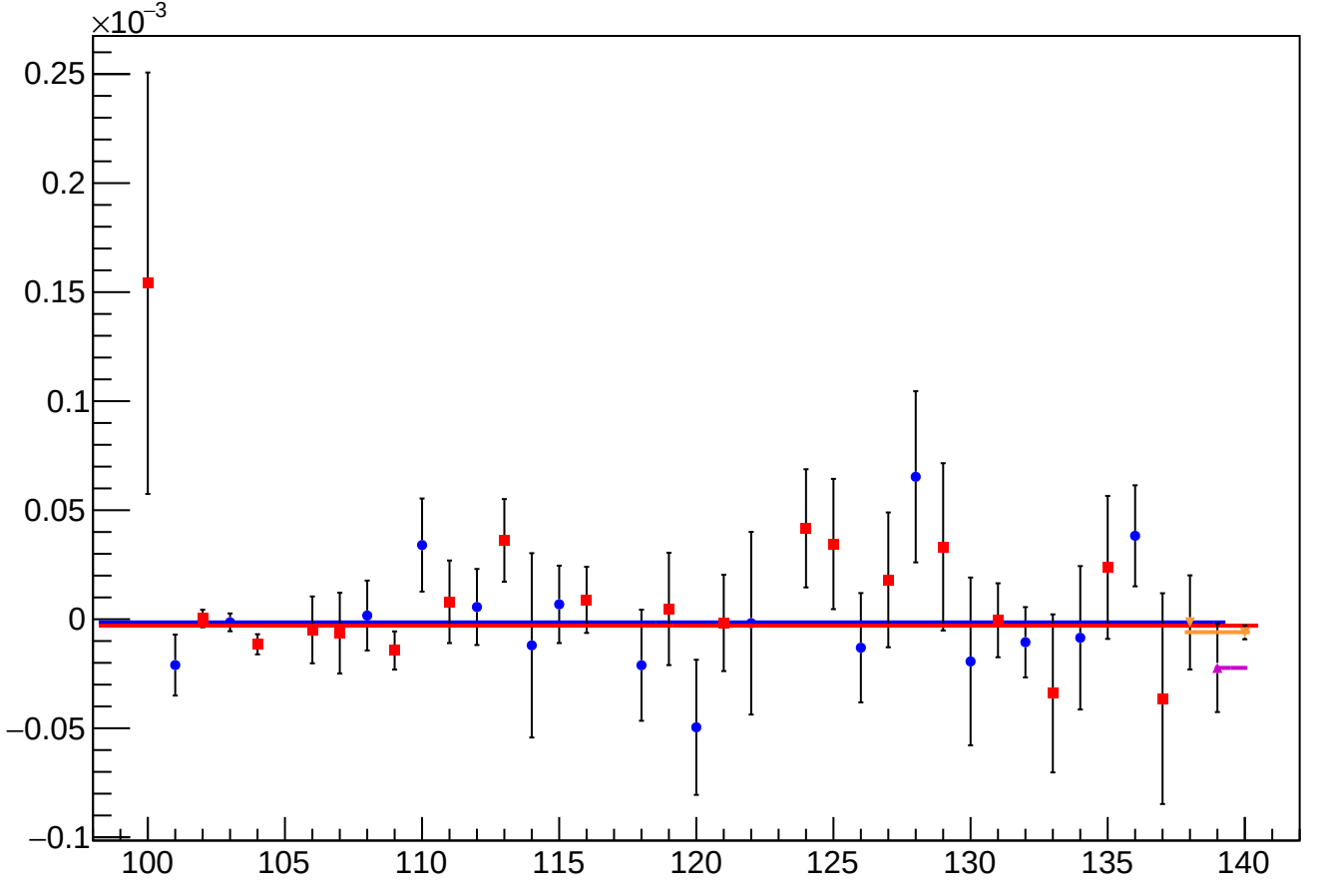
Left: 302.933+/-0.143 χ^2/NDF: 188228.2/2

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 193.763+/-0.052 χ^2/NDF:1547642.4/16

Out: 174.965+/-0.048 χ^2/NDF:3539113.4/20

All: 183.586+/-0.035 χ^2/NDF: 5156613.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

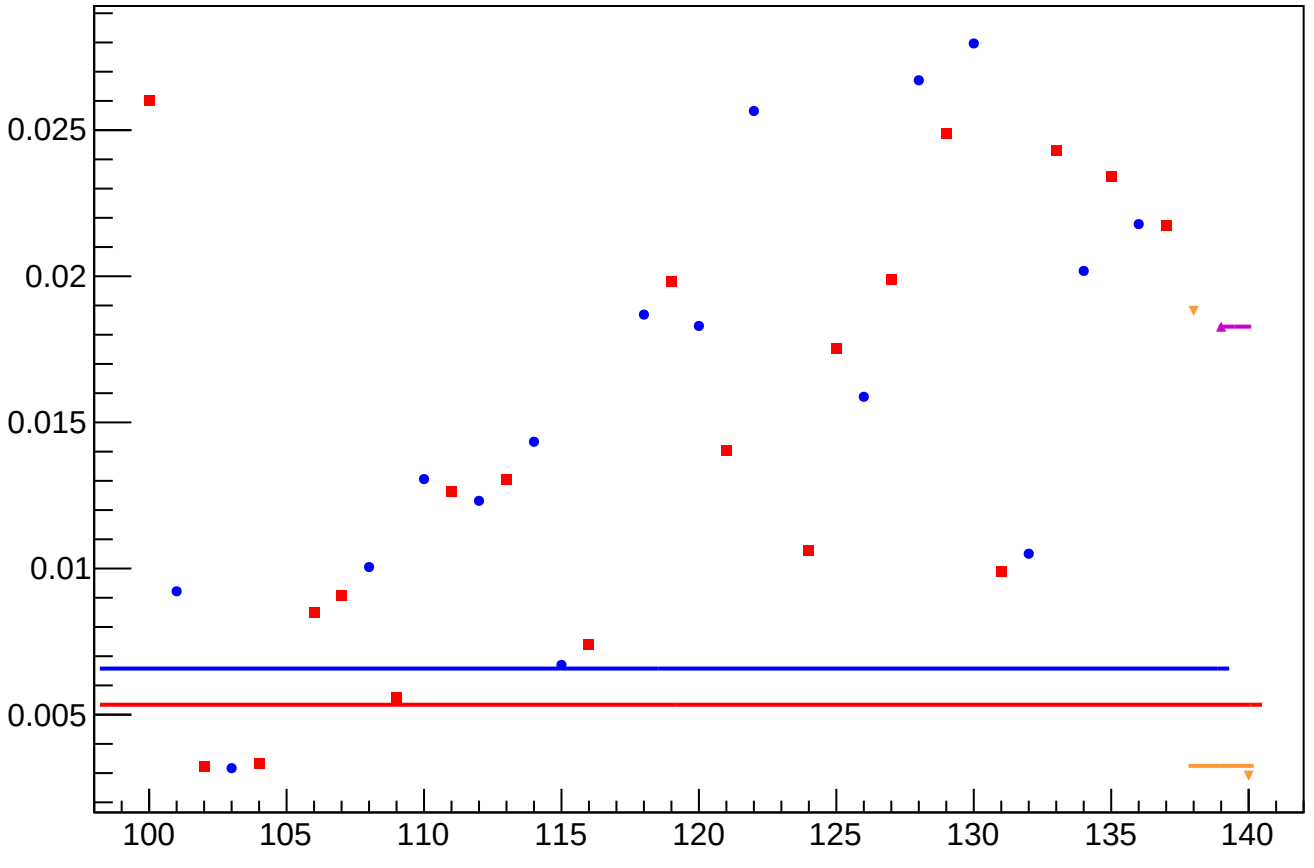
Left: -0.000+/-0.000 χ^2/NDF: 0.7/2

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:15.9/16

Out: -0.000+/-0.000 χ^2/NDF:21.9/20

All: -0.000+/-0.000 χ^2/NDF: 38.1/37



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.003+/-0.000 χ^2/NDF:1063507.5/1

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.018+/-0.000 χ^2/NDF:0.0/0

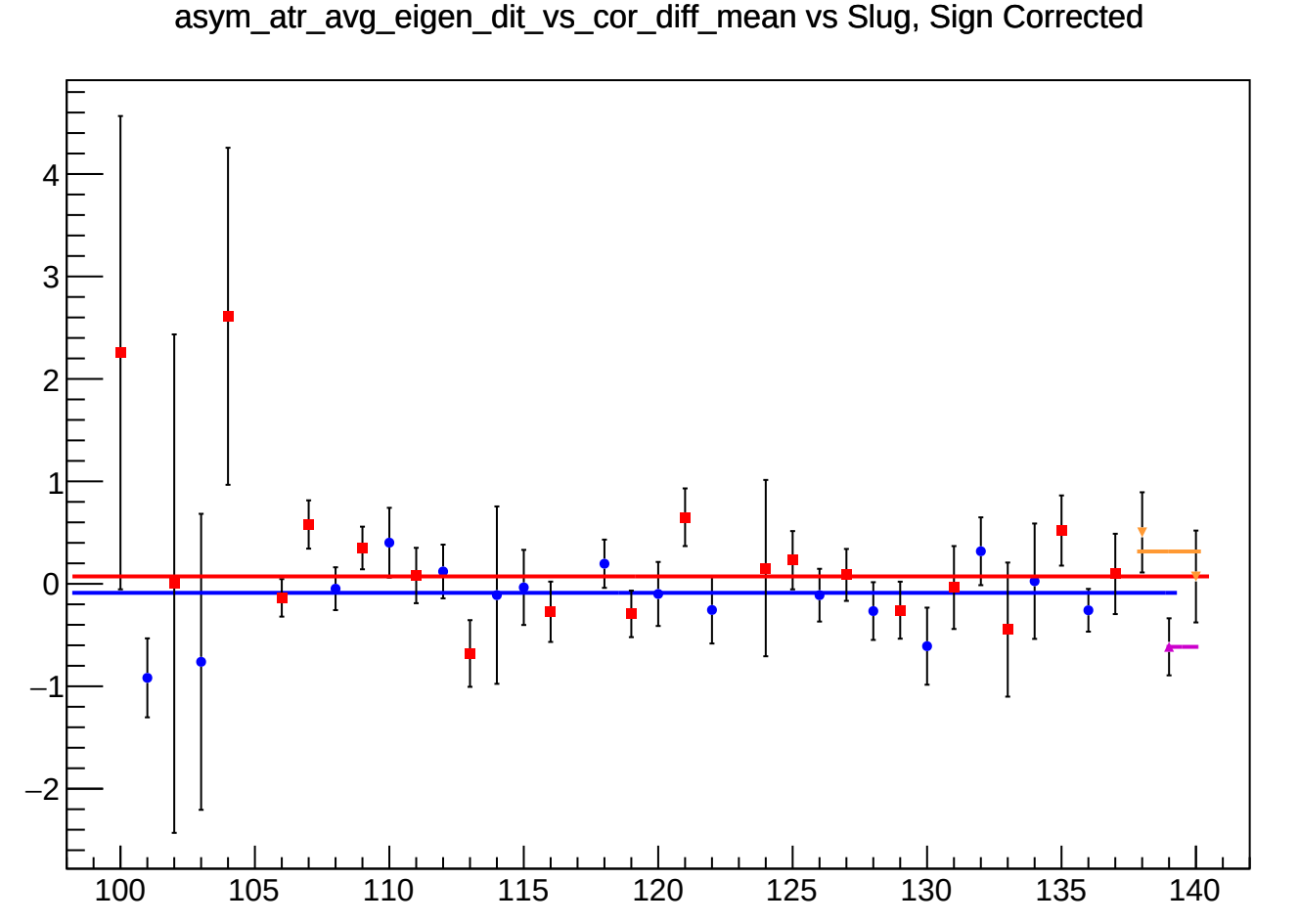
Left: 0.004+/-0.000 χ^2/NDF: 2137257.8/2

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.007+/-0.000 χ^2/NDF:6576876.1/16

Out: 0.005+/-0.000 χ^2/NDF:7282640.6/20

All: 0.005+/-0.000 χ^2/NDF: 14633292.9/37



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.316+/-0.295 χ^2/NDF:0.5/1

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.615+/-0.278 χ^2/NDF:0.0/0

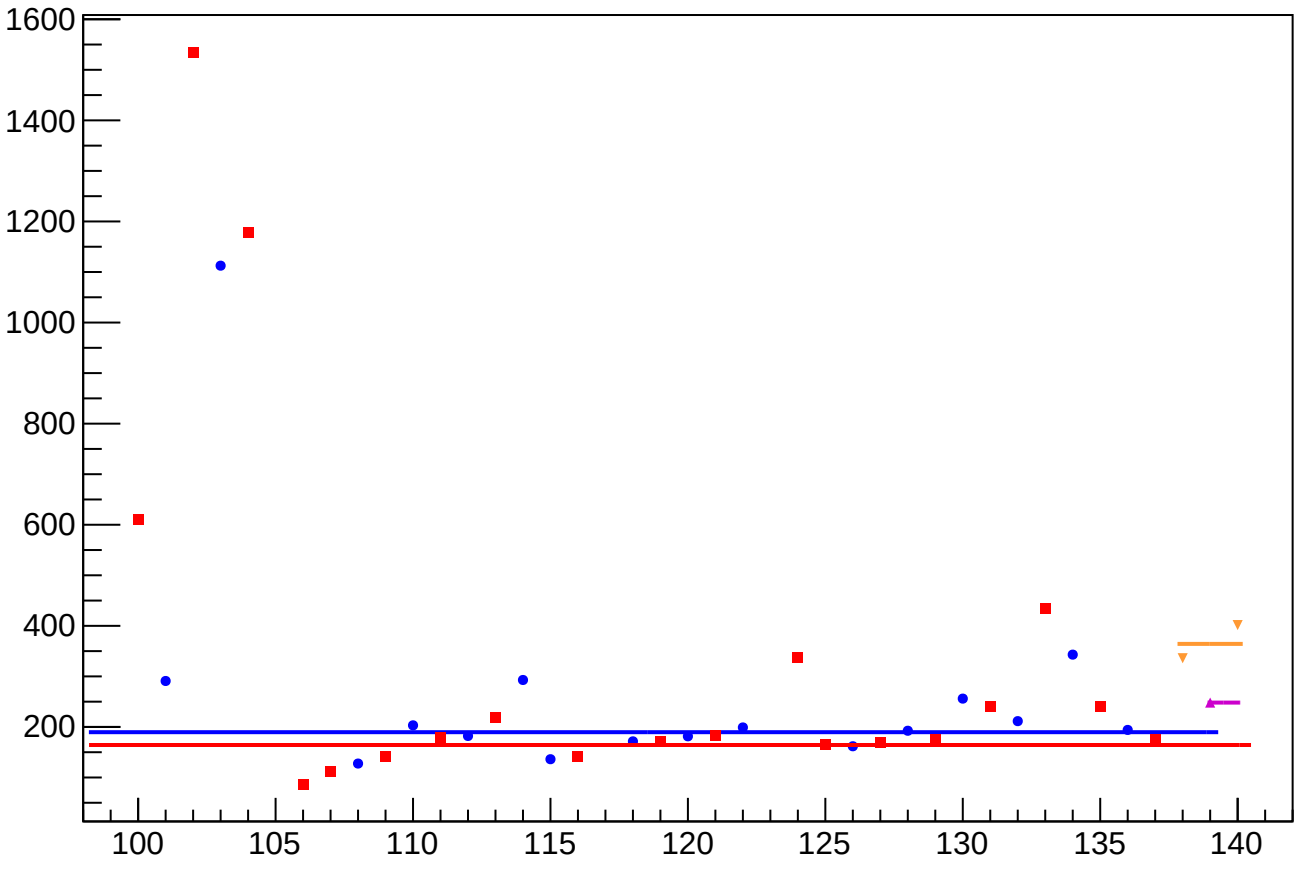
Left: -0.176+/-0.202 χ^2/NDF: 5.8/2

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.125+/-0.074 χ^2/NDF:17.2/16

Out: 0.085+/-0.068 χ^2/NDF:29.8/20

All: -0.011+/-0.050 χ^2/NDF: 51.4/37



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 364.295+/-0.208 χ^2/NDF:24285.7/1

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 248.185+/-0.197 χ^2/NDF:0.0/0

Left: 302.938+/-0.143 χ^2/NDF: 188217.4/2

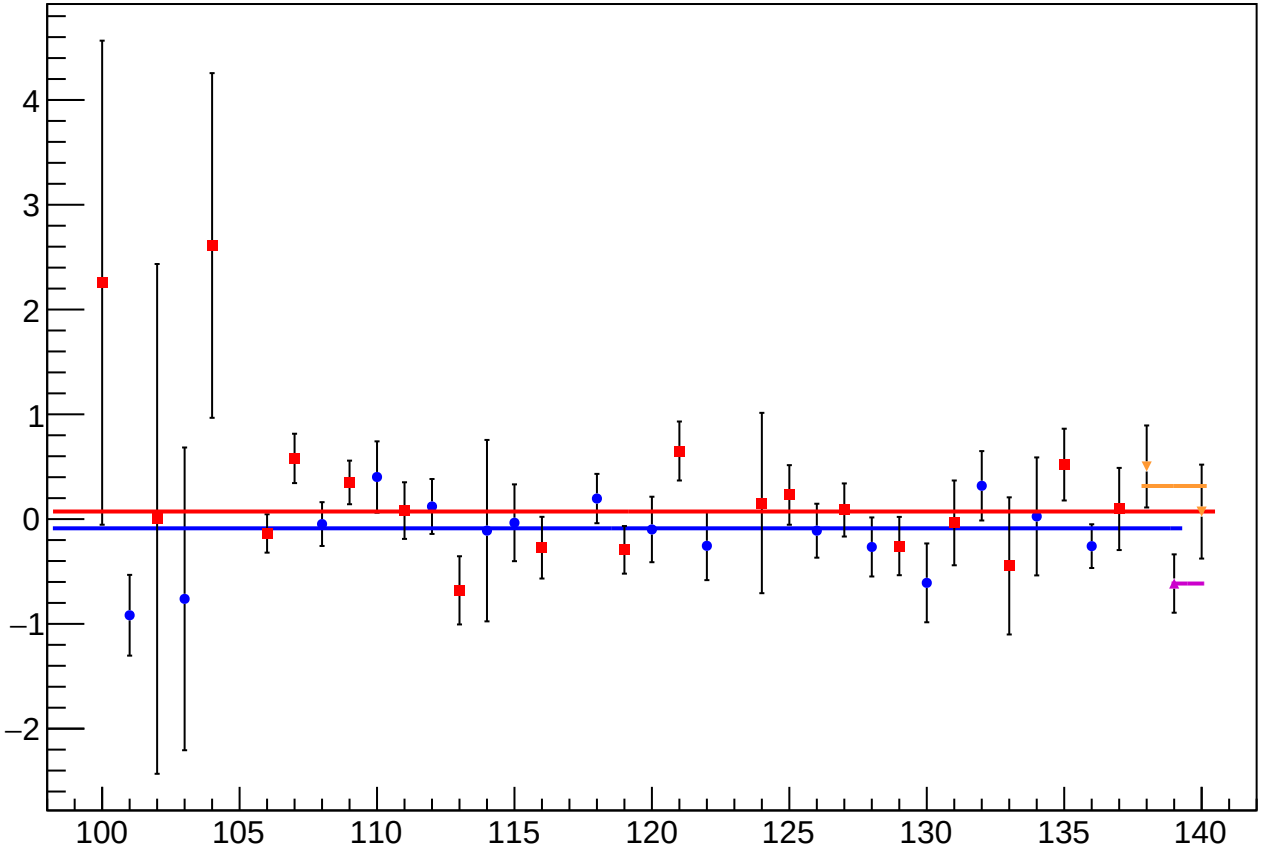
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 193.763+/-0.052 χ^2/NDF:1547640.4/16

Out: 174.964+/-0.048 χ^2/NDF:3539107.5/20

All: 183.586+/-0.035 χ^2/NDF: 5156608.3/37

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.316+/-0.295 χ^2/NDF:0.5/1

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.615+/-0.278 χ^2/NDF:0.0/0

Left: -0.176+/-0.202 χ^2/NDF: 5.8/2

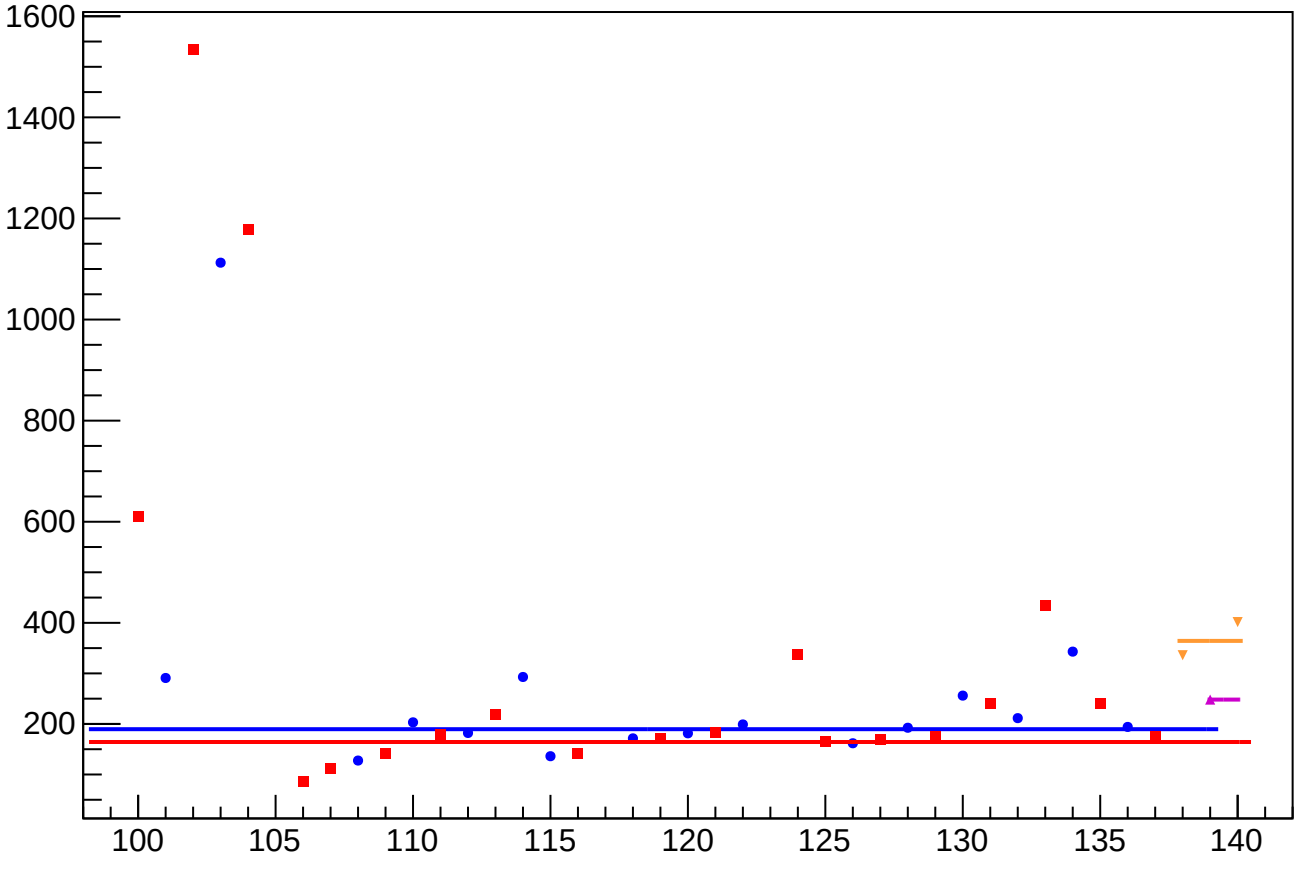
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.125+/-0.074 χ^2/NDF:17.2/16

Out: 0.085+/-0.068 χ^2/NDF:29.8/20

All: -0.011+/-0.050 χ^2/NDF: 51.4/37

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 364.295+/-0.208 χ^2/NDF:24285.7/1

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 248.185+/-0.197 χ^2/NDF:0.0/0

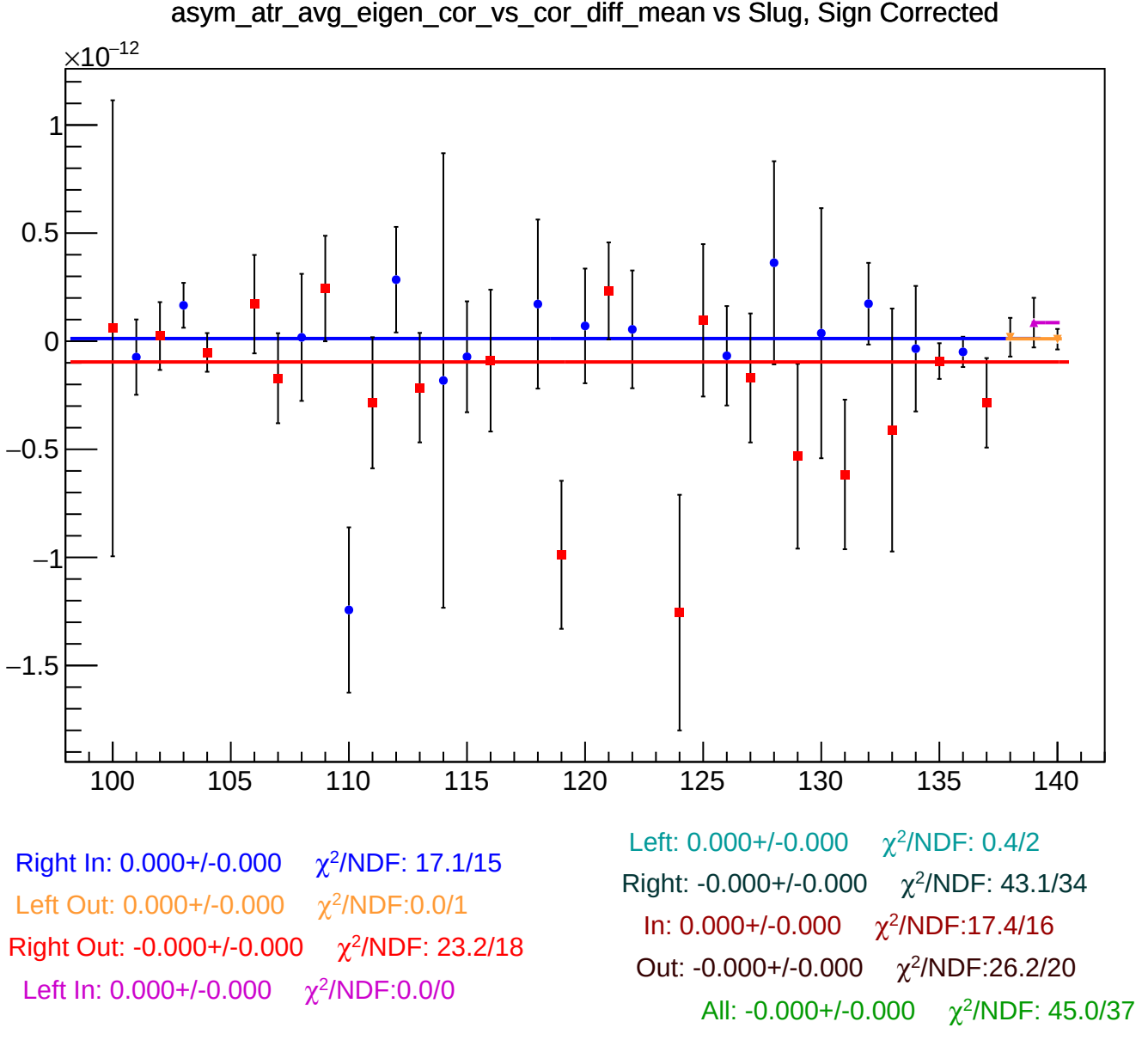
Left: 302.938+/-0.143 χ^2/NDF: 188217.4/2

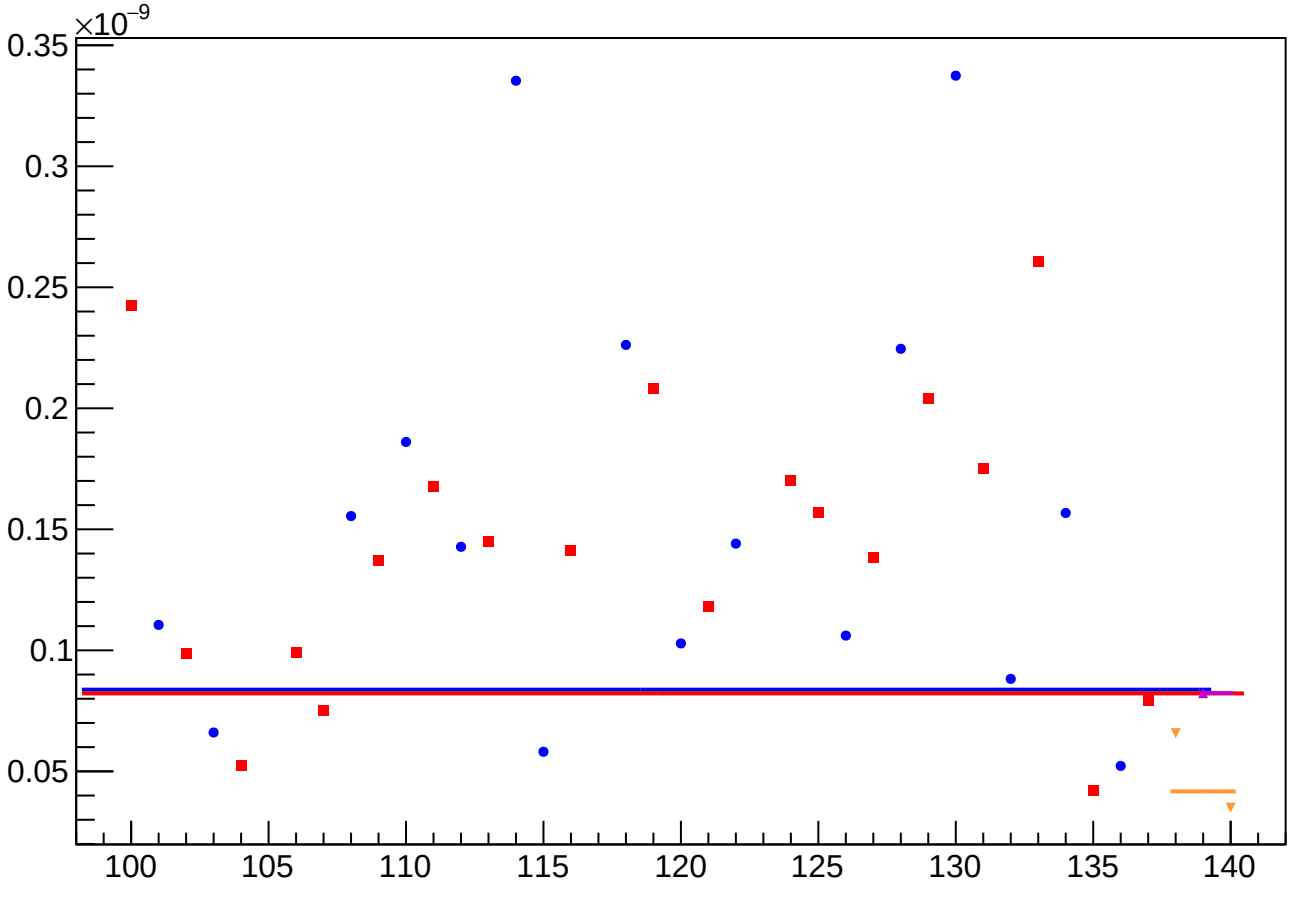
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 193.763+/-0.052 χ^2/NDF:1547640.4/16

Out: 174.964+/-0.048 χ^2/NDF:3539107.5/20

All: 183.586+/-0.035 χ^2/NDF: 5156608.3/37


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.5
0
−0.5
−1
−1.5
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 17.1/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/1
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.4/2
Right: -0.000+/-0.000 χ²/NDF: 43.1/34
In: 0.000+/-0.000 χ²/NDF:17.4/16
Out: -0.000+/-0.000 χ²/NDF:26.2/20
All: -0.000+/-0.000 χ²/NDF: 45.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:184644.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 405684.6/2

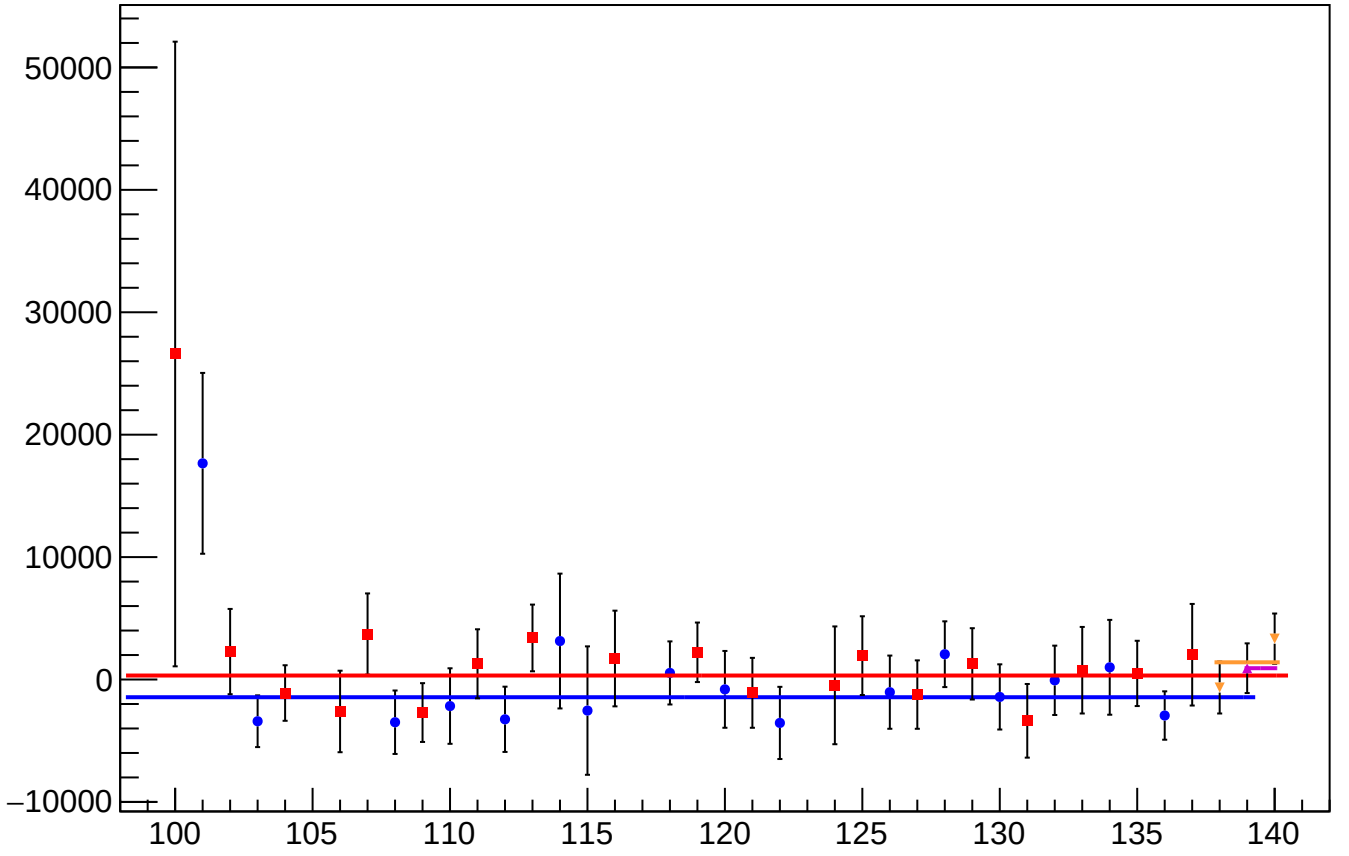
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:2109329.2/16

Out: 0.000+/-0.000 χ^2/NDF:3329698.3/20

All: 0.000+/-0.000 χ^2/NDF: 5824647.5/37

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1406.599+/-1475.622 χ^2/NDF:1.8/1

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: 923.917+/-2029.440 χ^2/NDF:0.0/0

Left: 1239.667+/-1193.482 χ^2/NDF: 1.9/2

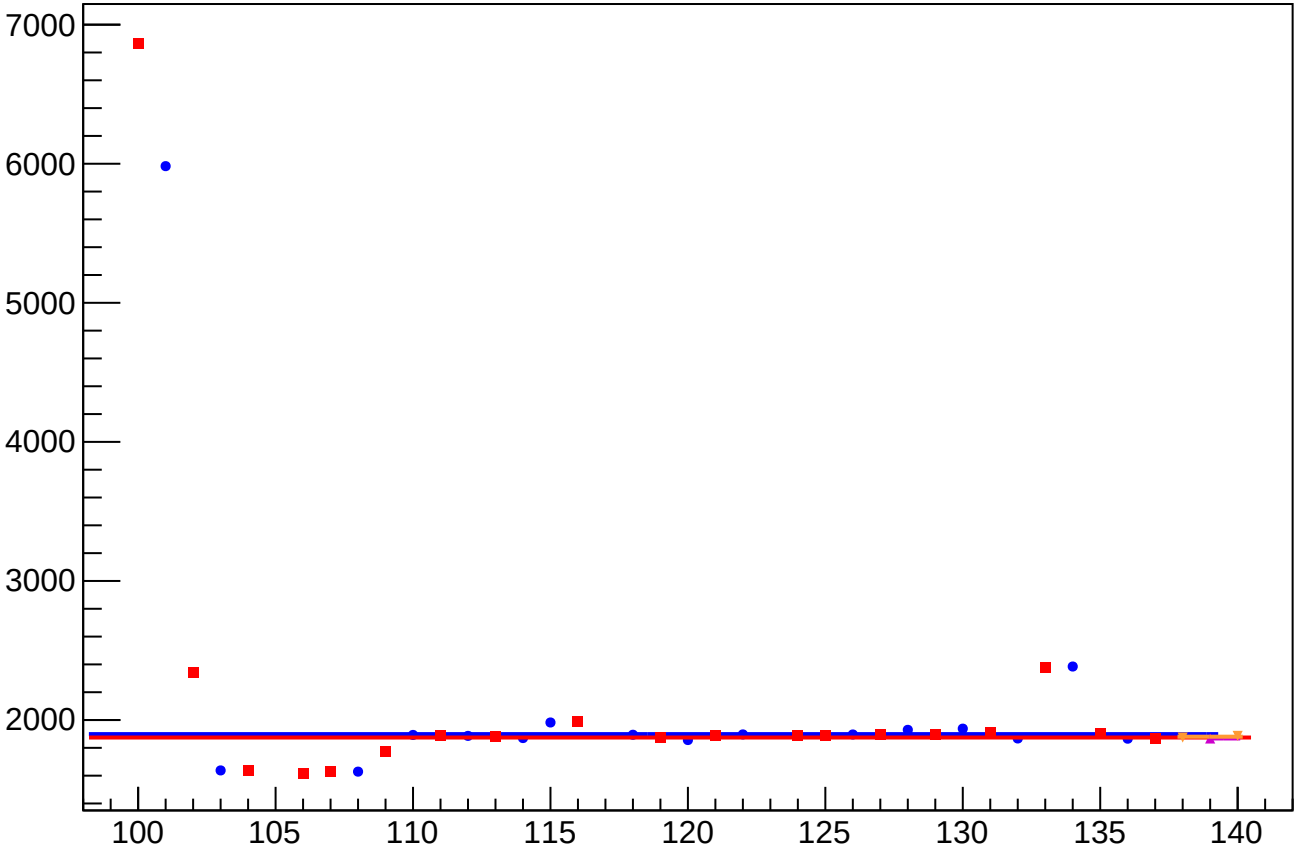
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -1179.483+/-681.188 χ^2/NDF:14.7/16

Out: 525.653+/-634.398 χ^2/NDF:12.2/20

All: -266.347+/-464.248 χ^2/NDF: 30.3/37

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1880.279+/-0.1.043 χ^2/NDF:31.3/1

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1867.299+/-1.435 χ^2/NDF:0.0/0

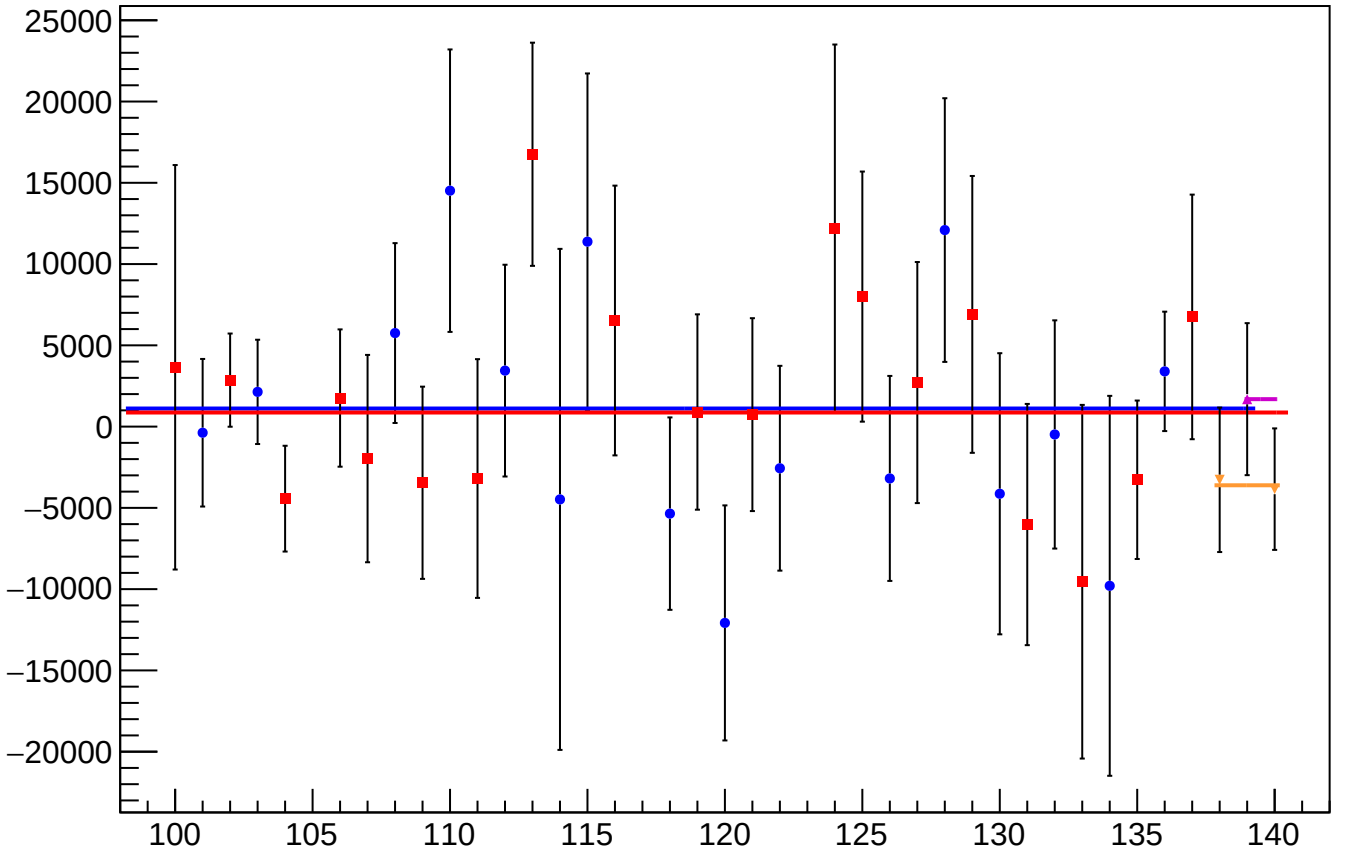
Left: 1875.790+/-0.844 χ^2/NDF: 84.8/2

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1895.274+/-0.482 χ^2/NDF:697942.5/16

Out: 1875.359+/-0.447 χ^2/NDF:207716.3/20

All: 1884.582+/-0.328 χ^2/NDF: 906576.6/37



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -3609.683+/-2860.494 χ^2/NDF:0.0/1

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: 1688.981+/-4676.261 χ^2/NDF:0.0/0

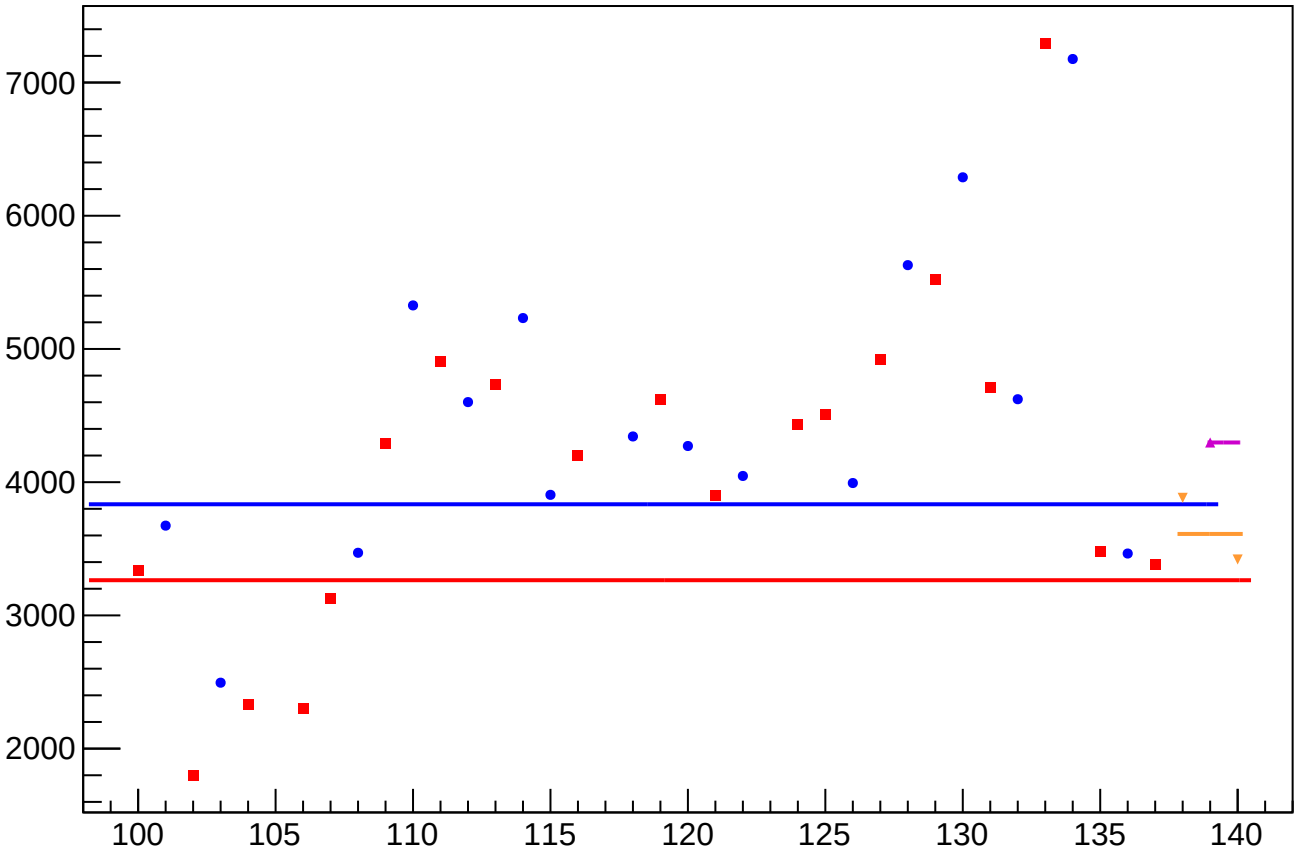
Left: -2166.883+/-2440.162 χ^2/NDF: 0.9/2

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

In: 1165.125+/-1410.380 χ^2/NDF:13.4/16

Out: 93.579+/-1188.954 χ^2/NDF:17.7/20

All: 538.729+/-909.042 χ^2/NDF: 31.4/37



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3611.435+/-2.023 χ^2/NDF:12708.1/1

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 4297.968+/-3.307 χ^2/NDF:0.0/0

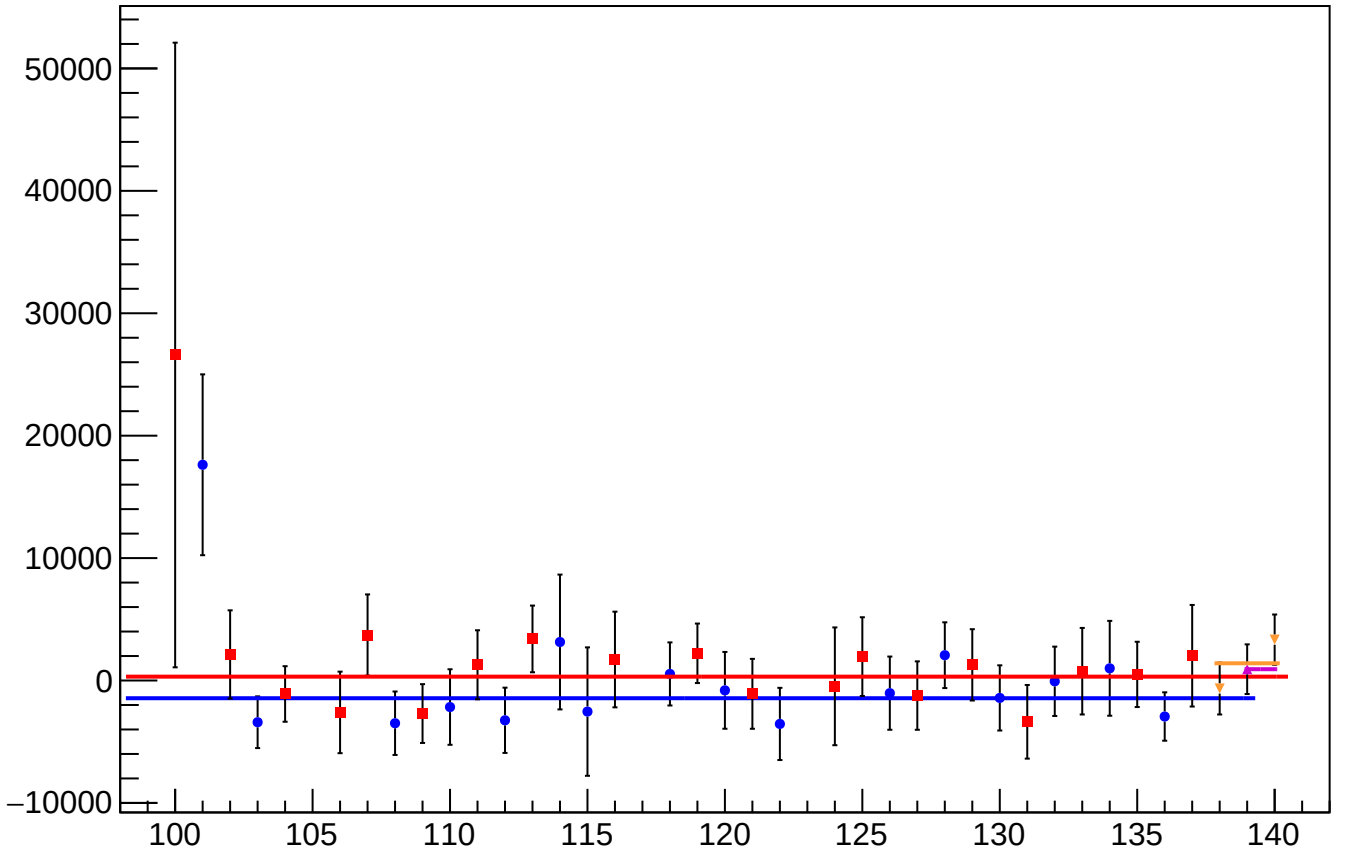
Left: 3798.374+/-1.725 χ^2/NDF: 44077.8/2

Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3876.354+/-0.997 χ^2/NDF:974660.3/16

Out: 3324.115+/-0.841 χ^2/NDF:1901341.6/20

All: 3553.530+/-0.643 χ^2/NDF: 3055248.1/37



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1406.569+/-1475.622 χ^2/NDF:1.8/1

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: 923.973+/-2029.440 χ^2/NDF:0.0/0

Left: 1239.666+/-1193.482 χ^2/NDF: 1.9/2

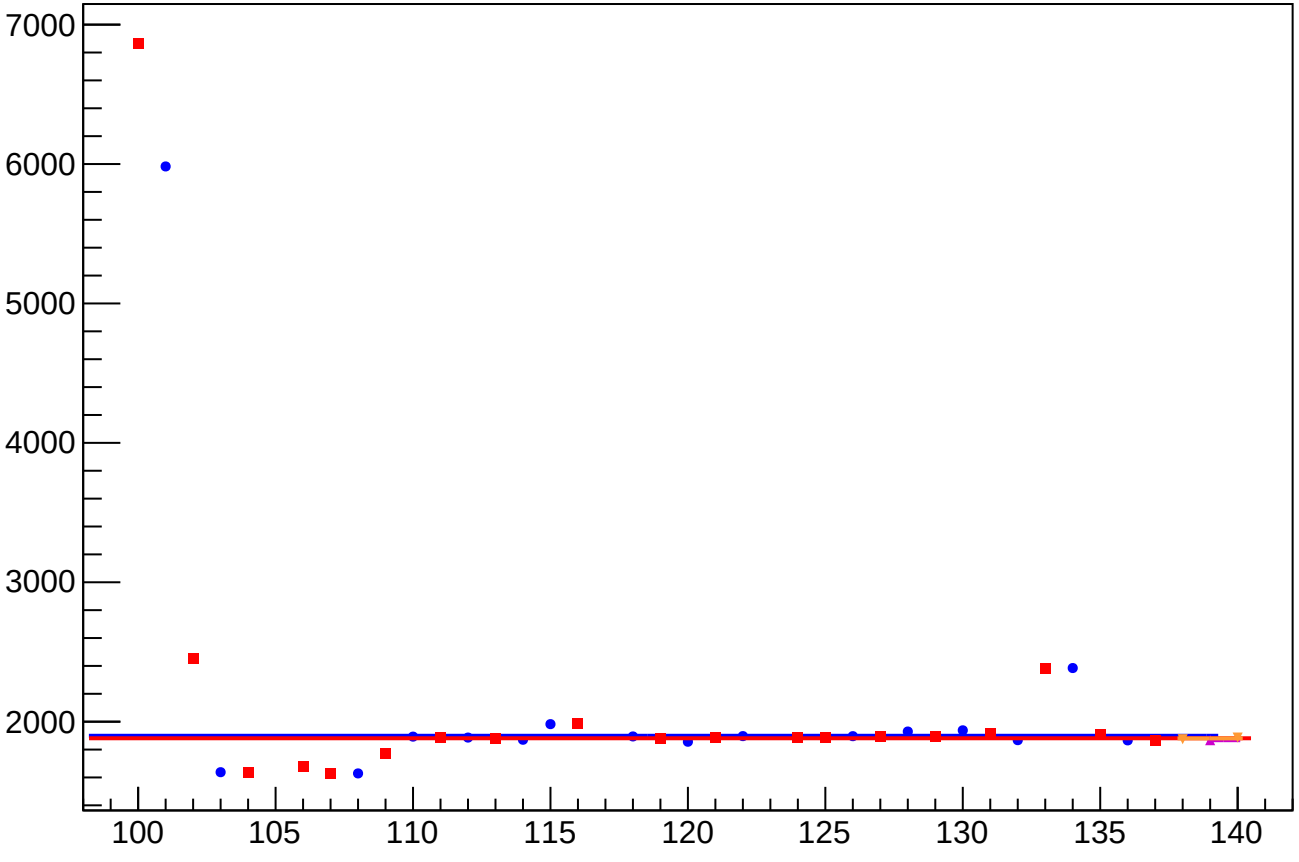
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -1179.820+/-681.188 χ^2/NDF:14.7/16

Out: 517.576+/-635.095 χ^2/NDF:12.1/20

All: -271.757+/-464.521 χ^2/NDF: 30.2/37

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1880.279+/-0.043 χ^2/NDF:31.3/1

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1867.299+/-1.435 χ^2/NDF:0.0/0

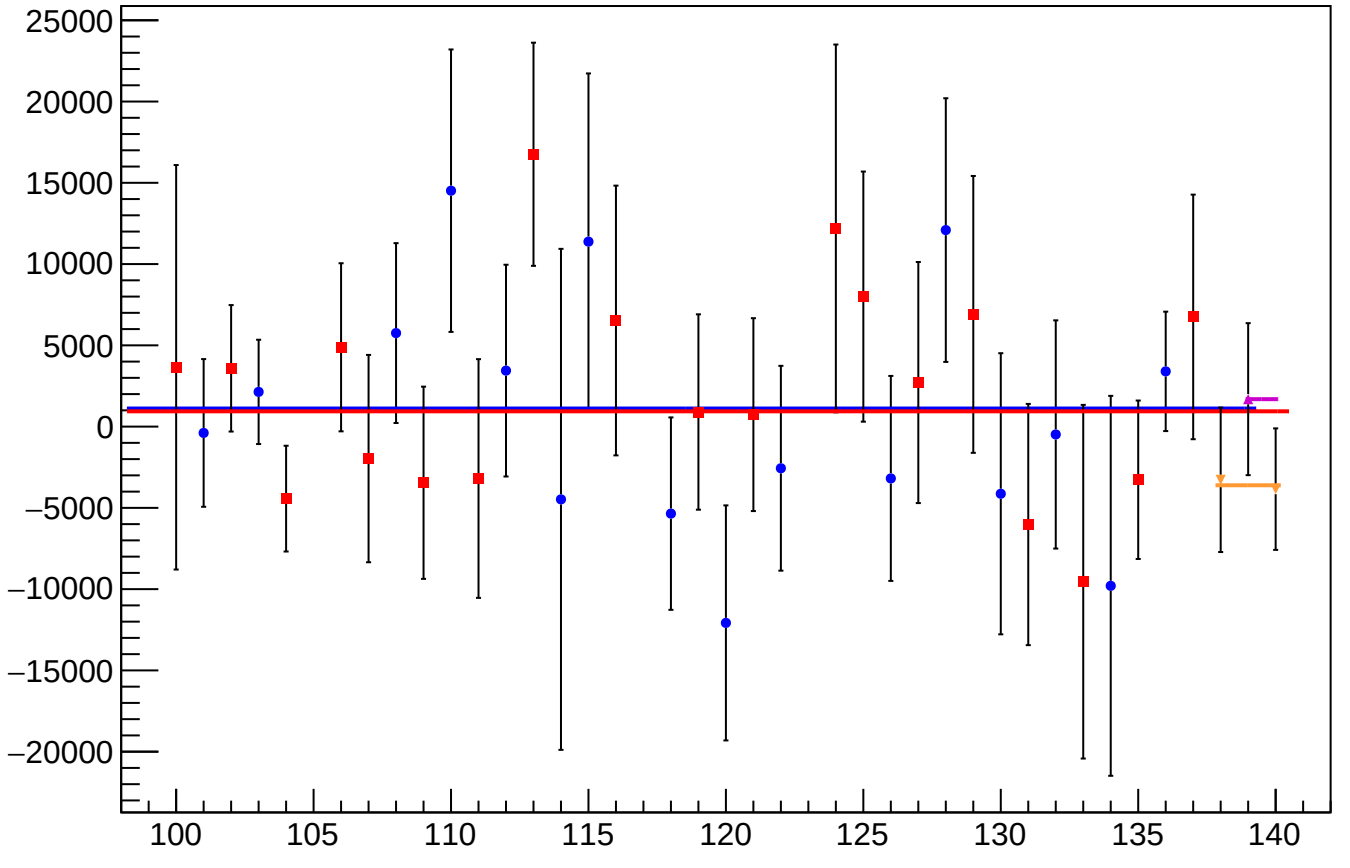
Left: 1875.790+/-0.844 χ^2/NDF: 84.8/2

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1895.274+/-0.482 χ^2/NDF:697942.7/16

Out: 1880.872+/-0.449 χ^2/NDF:216596.0/20

All: 1887.560+/-0.328 χ^2/NDF: 915017.5/37



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -3609.500+/-2860.490 χ^2/NDF:0.0/1

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 1688.917+/-4676.240 χ^2/NDF:0.0/0

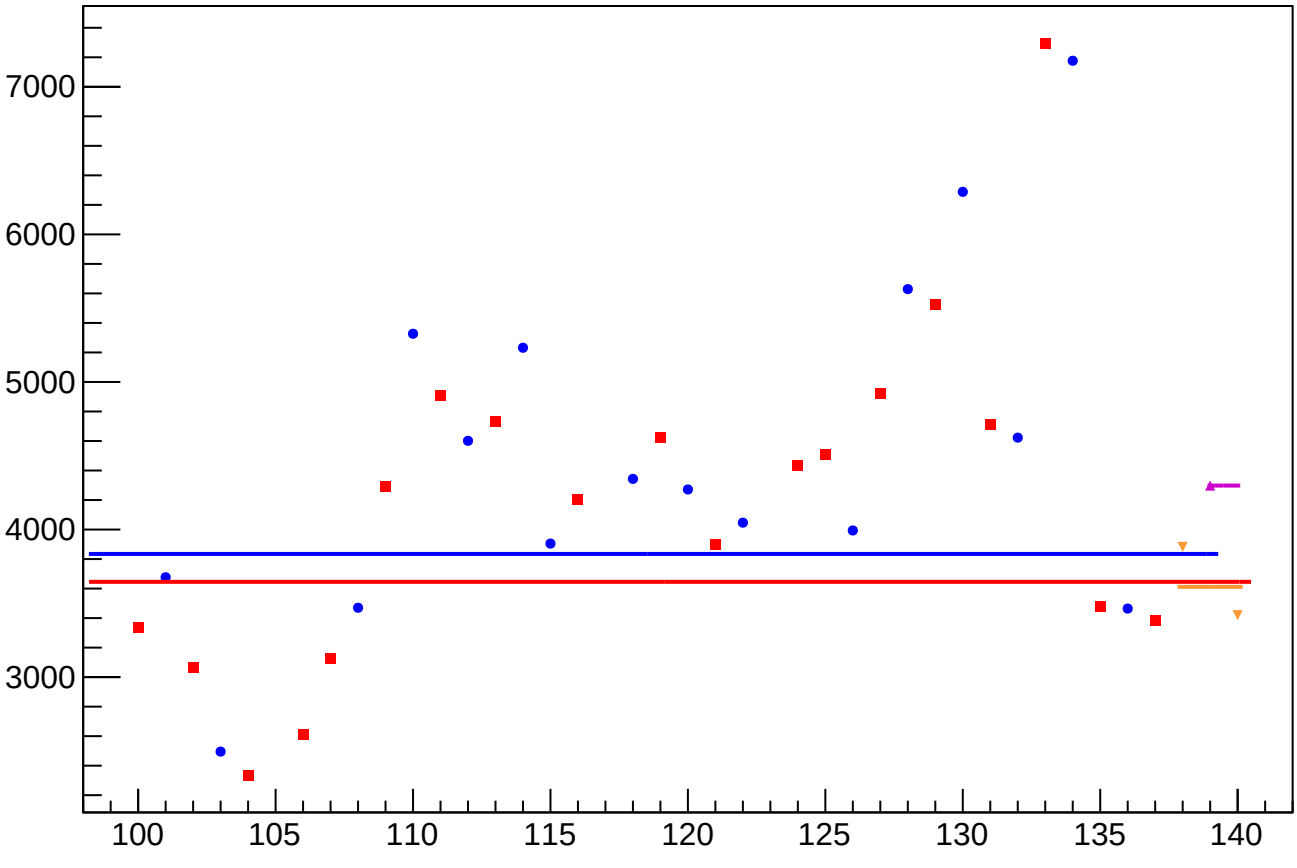
Left: -2166.761+/-2440.157 χ^2/NDF: 0.9/2

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 1164.067+/-1410.530 χ^2/NDF:13.4/16

Out: 62.413+/-1256.741 χ^2/NDF:18.2/20

All: 549.931+/-938.329 χ^2/NDF: 32.0/37



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3611.431+/-2.023 χ^2/NDF:12708.9/1

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4297.948+/-3.307 χ^2/NDF:0.0/0

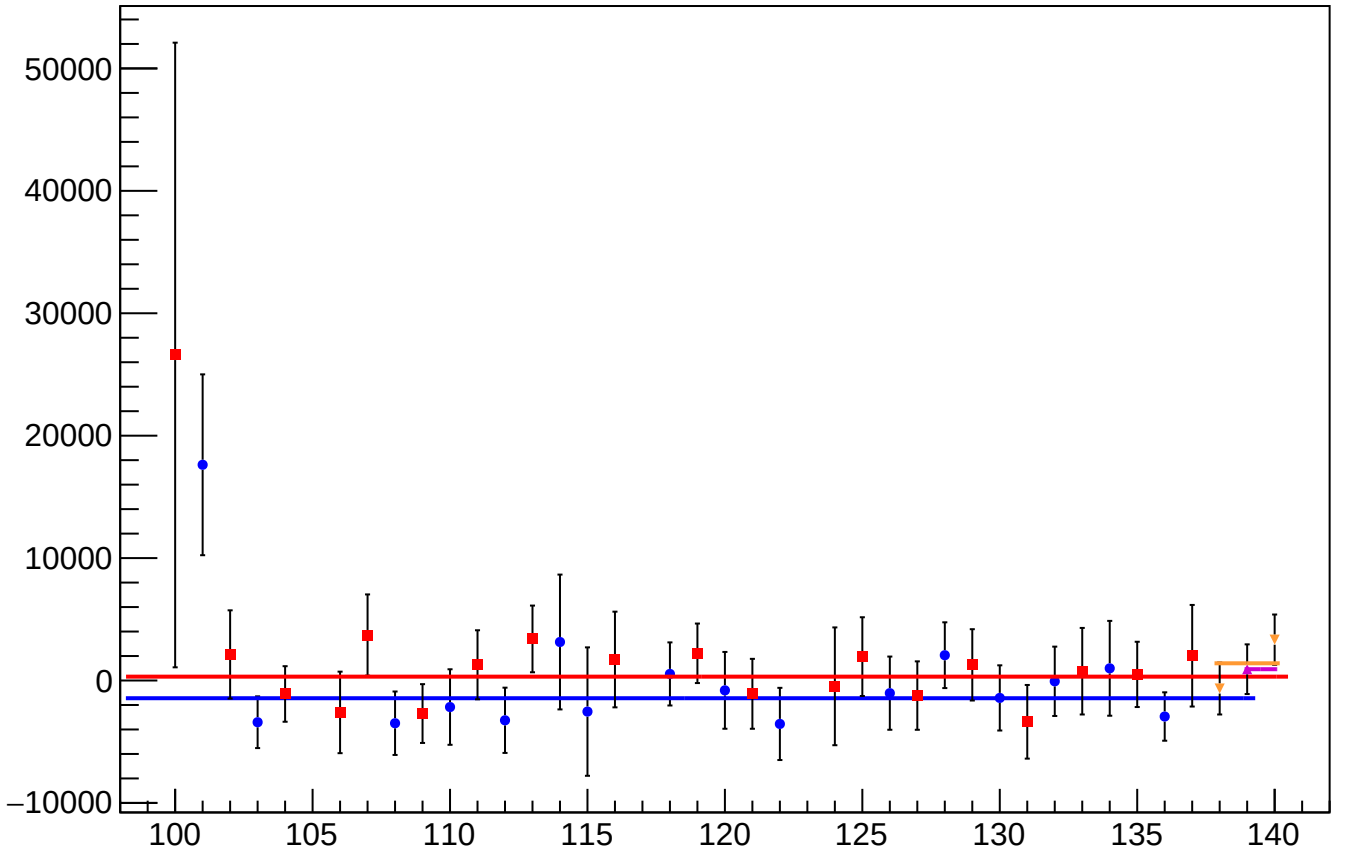
Left: 3798.367+/-1.725 χ^2/NDF: 44077.5/2

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3876.840+/-0.997 χ^2/NDF:974154.6/16

Out: 3639.077+/-0.889 χ^2/NDF:1137921.8/20

All: 3744.295+/-0.663 χ^2/NDF: 2143755.5/37



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1406.569+/-1475.622 χ^2/NDF:1.8/1

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: 923.973+/-2029.440 χ^2/NDF:0.0/0

Left: 1239.666+/-1193.482 χ^2/NDF: 1.9/2

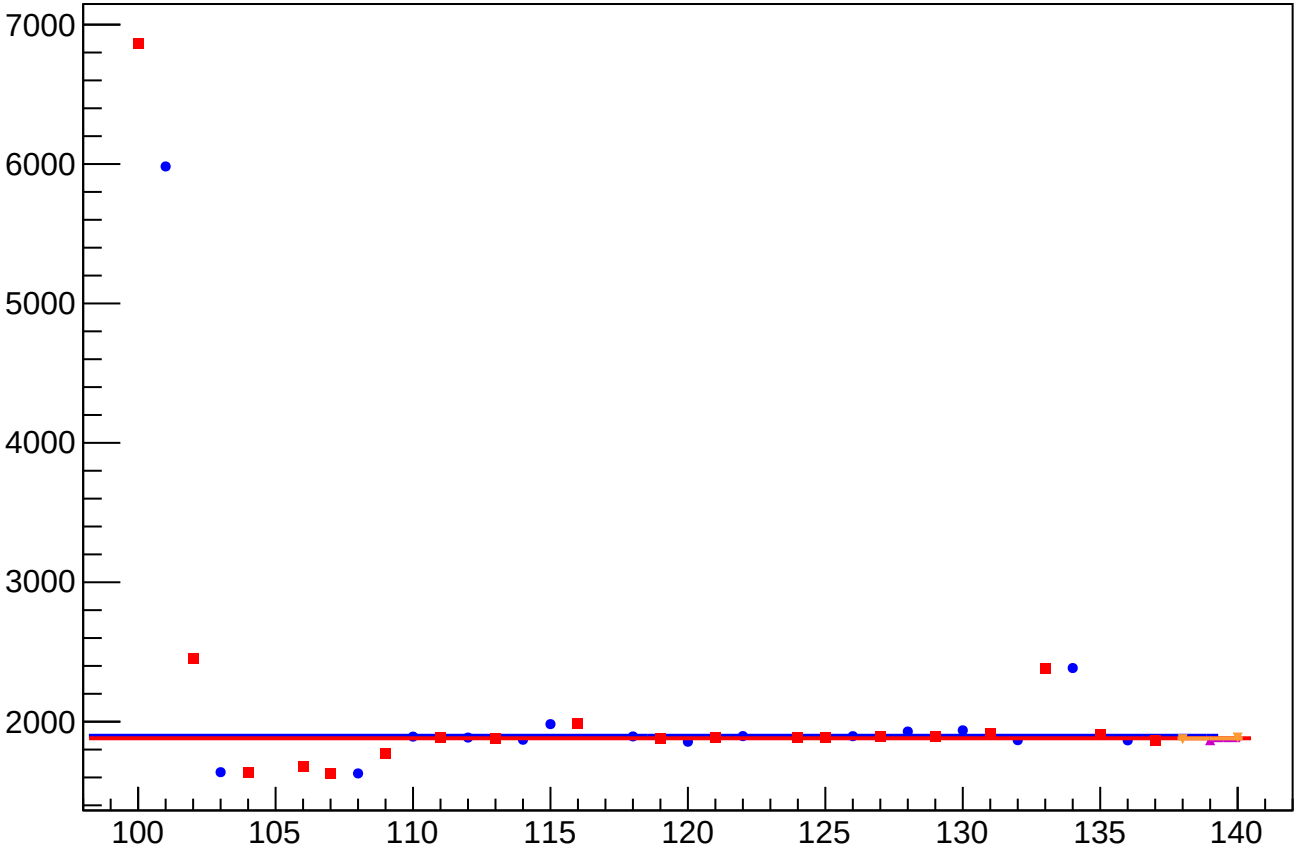
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -1179.820+/-681.188 χ^2/NDF:14.7/16

Out: 517.576+/-635.095 χ^2/NDF:12.1/20

All: -271.757+/-464.521 χ^2/NDF: 30.2/37

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1880.279+/-1.043 χ^2/NDF:31.3/1

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1867.299+/-1.435 χ^2/NDF:0.0/0

Left: 1875.790+/-0.844 χ^2/NDF: 84.8/2

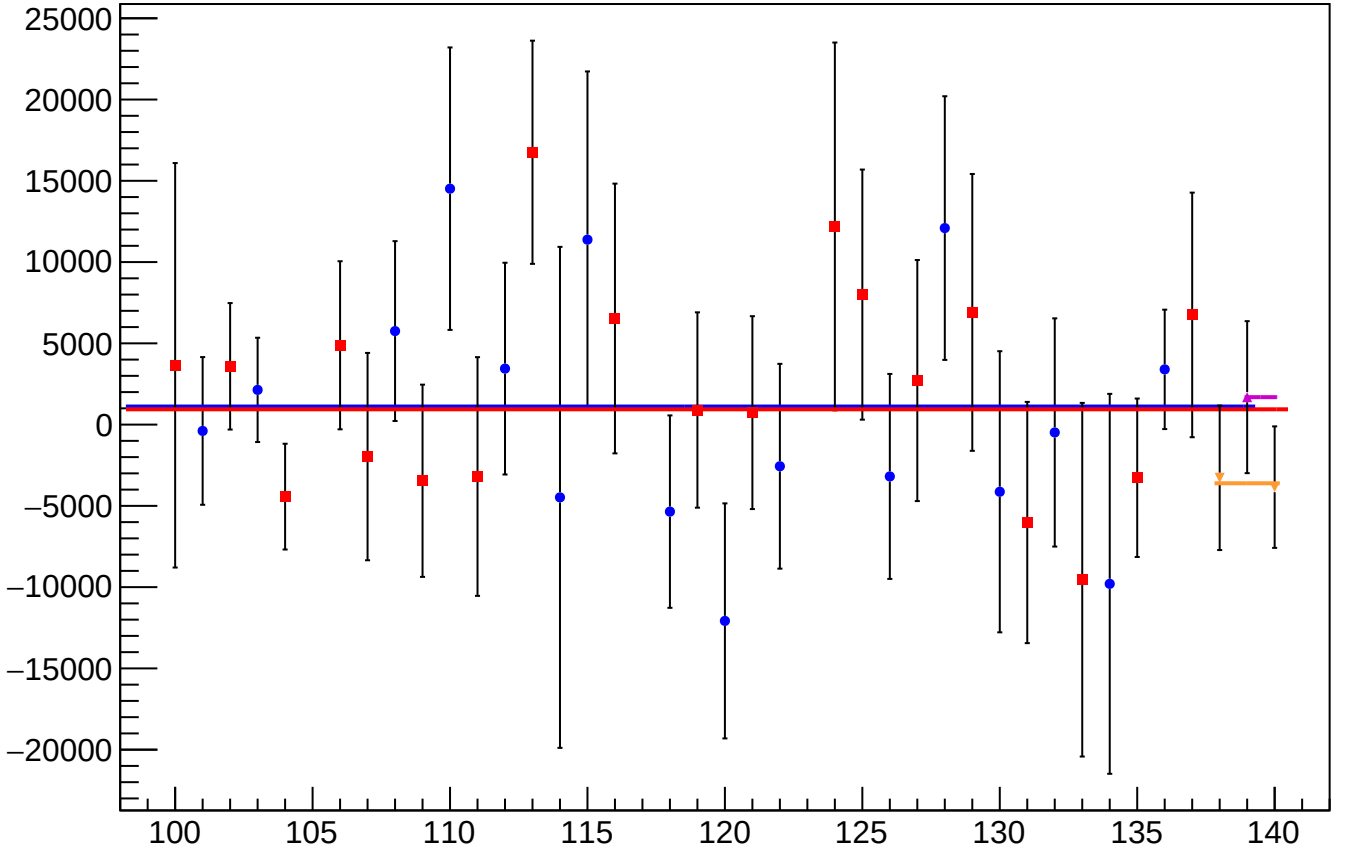
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1895.274+/-0.482 χ^2/NDF:697942.7/16

Out: 1880.872+/-0.449 χ^2/NDF:216596.0/20

All: 1887.560+/-0.328 χ^2/NDF: 915017.5/37

asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -3609.500+/-2860.490 χ^2/NDF:0.0/1

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 1688.917+/-4676.240 χ^2/NDF:0.0/0

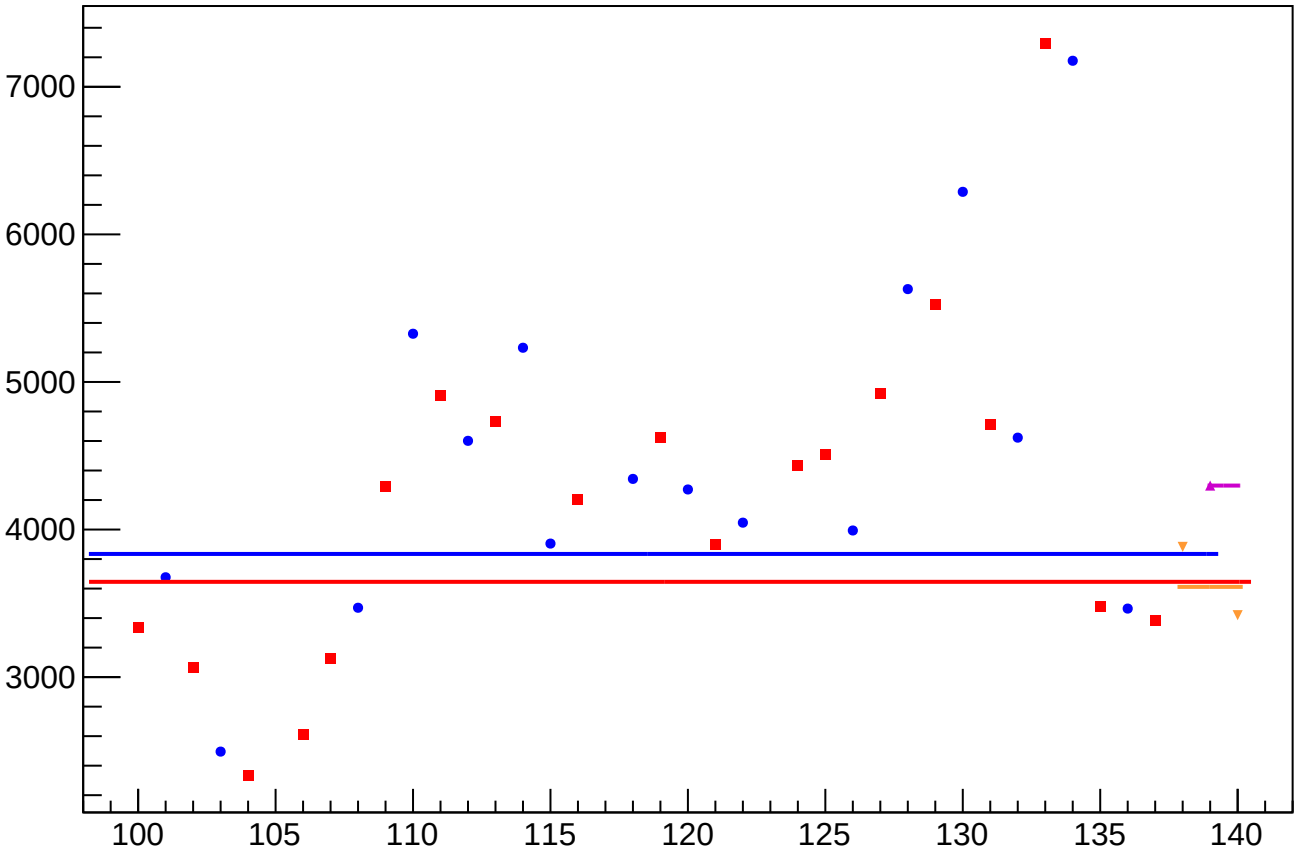
Left: -2166.761+/-2440.157 χ^2/NDF: 0.9/2

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 1164.067+/-1410.530 χ^2/NDF:13.4/16

Out: 62.413+/-1256.741 χ^2/NDF:18.2/20

All: 549.931+/-938.329 χ^2/NDF: 32.0/37



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3611.431+/-2.023 χ^2/NDF:12708.9/1

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4297.948+/-3.307 χ^2/NDF:0.0/0

Left: 3798.367+/-1.725 χ^2/NDF: 44077.5/2

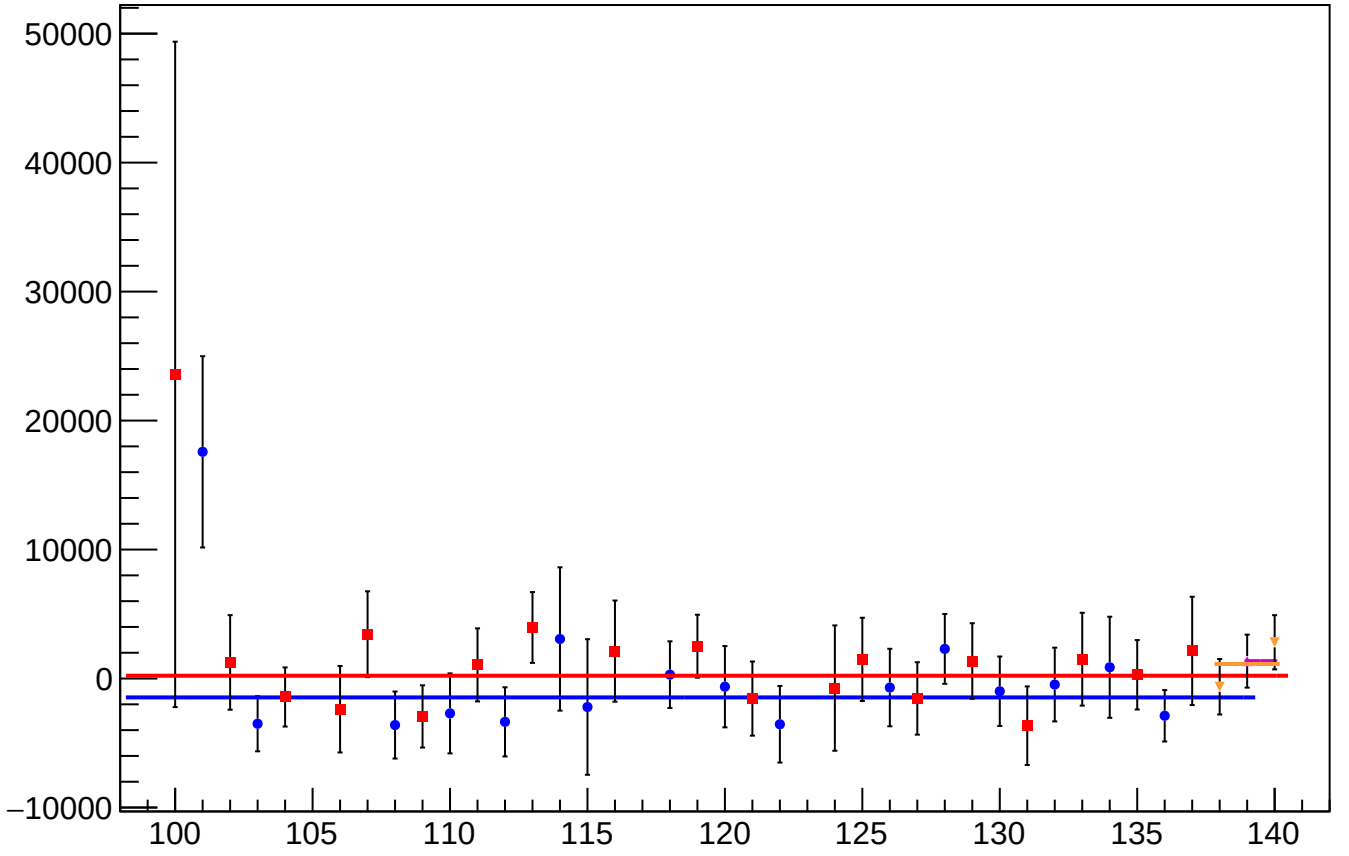
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3876.840+/-0.997 χ^2/NDF:974154.6/16

Out: 3639.077+/-0.889 χ^2/NDF:1137921.8/20

All: 3744.295+/-0.663 χ^2/NDF: 2143755.5/37

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1129.162+/-1503.582 χ^2/NDF:1.3/1

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: 1351.001+/-2052.779 χ^2/NDF:0.0/0

Left: 1206.621+/-1213.000 χ^2/NDF: 1.3/2

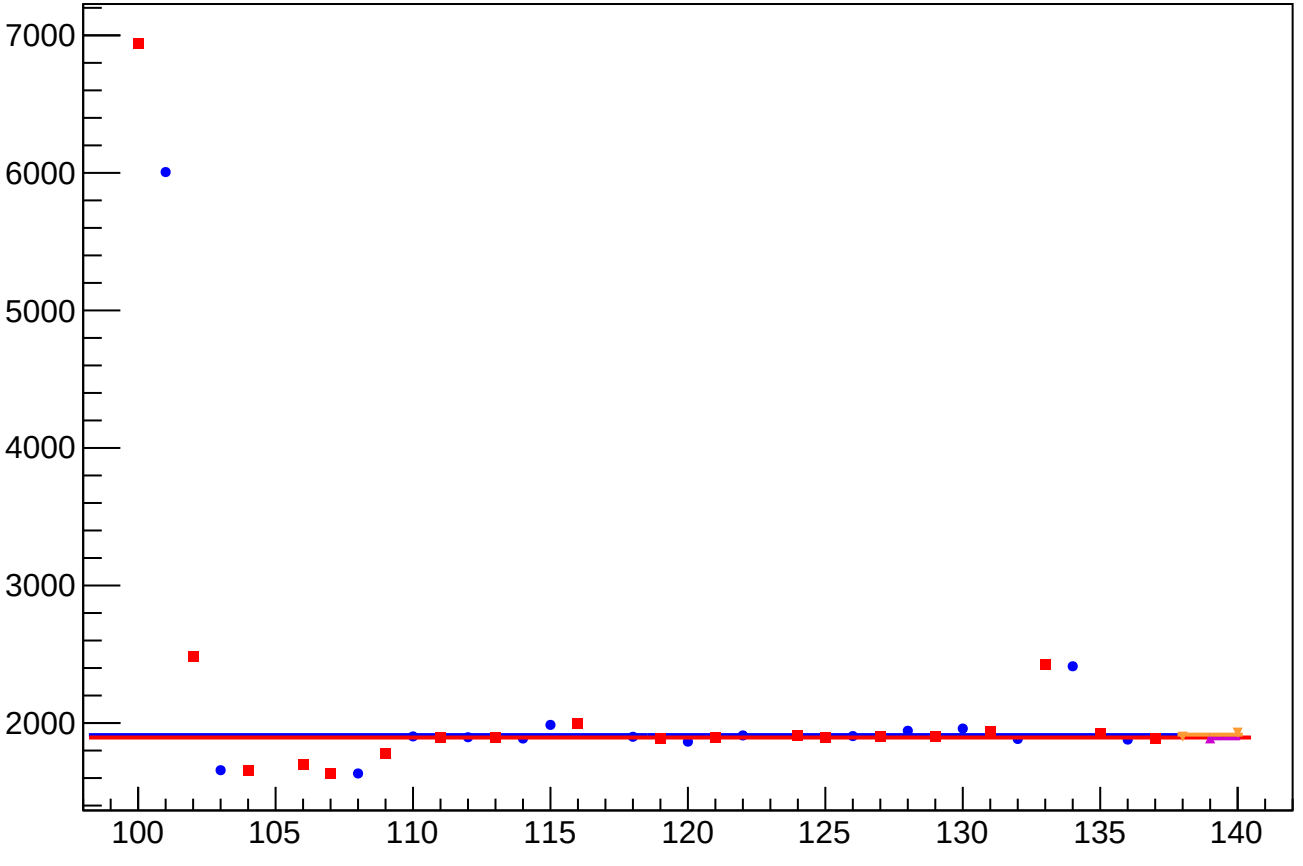
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -1148.092+/-686.360 χ^2/NDF:15.2/16

Out: 385.099+/-641.171 χ^2/NDF:12.4/20

All: -329.368+/-468.538 χ^2/NDF: 30.3/37

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1915.717+/-1.063 χ^2/NDF:193.2/1

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1888.721+/-1.452 χ^2/NDF:0.0/0

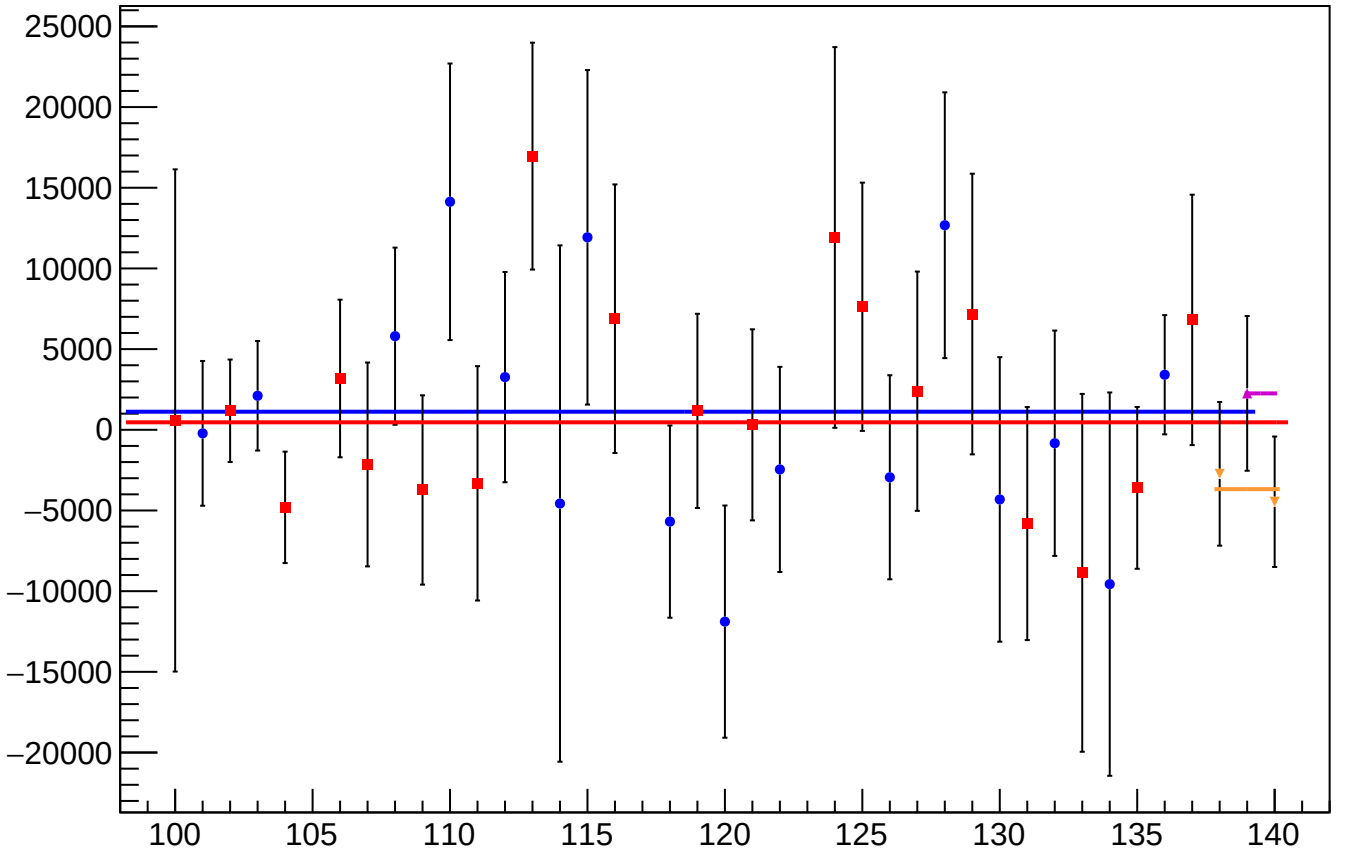
Left: 1906.291+/-0.858 χ^2/NDF: 418.3/2

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1909.734+/-0.485 χ^2/NDF:696456.2/16

Out: 1898.568+/-0.453 χ^2/NDF:220292.5/20

All: 1903.766+/-0.331 χ^2/NDF: 917031.6/37



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -3677.129+/-2992.847 χ^2/NDF:0.1/1

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 2255.433+/-4794.125 χ^2/NDF:0.0/0

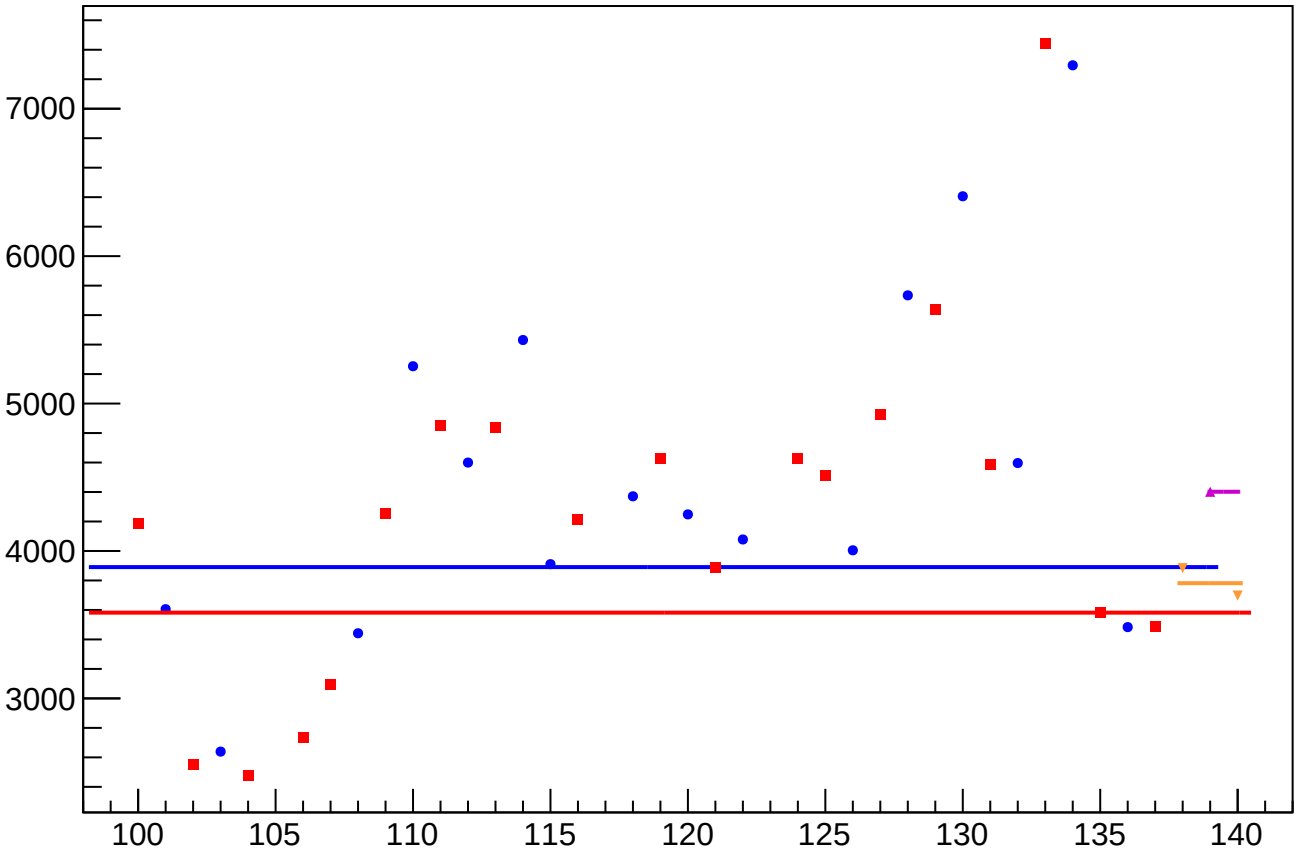
Left: -2013.464+/-2538.757 χ^2/NDF: 1.2/2

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 1221.114+/-1429.538 χ^2/NDF:13.5/16

Out: -253.818+/-1246.305 χ^2/NDF:16.7/20

All: 383.121+/-939.417 χ^2/NDF: 30.8/37



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3781.579+/-2.116 χ^2/NDF:1915.8/1

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4401.770+/-3.390 χ^2/NDF:0.0/0

Left: 3955.499+/-1.795 χ^2/NDF: 26000.2/2

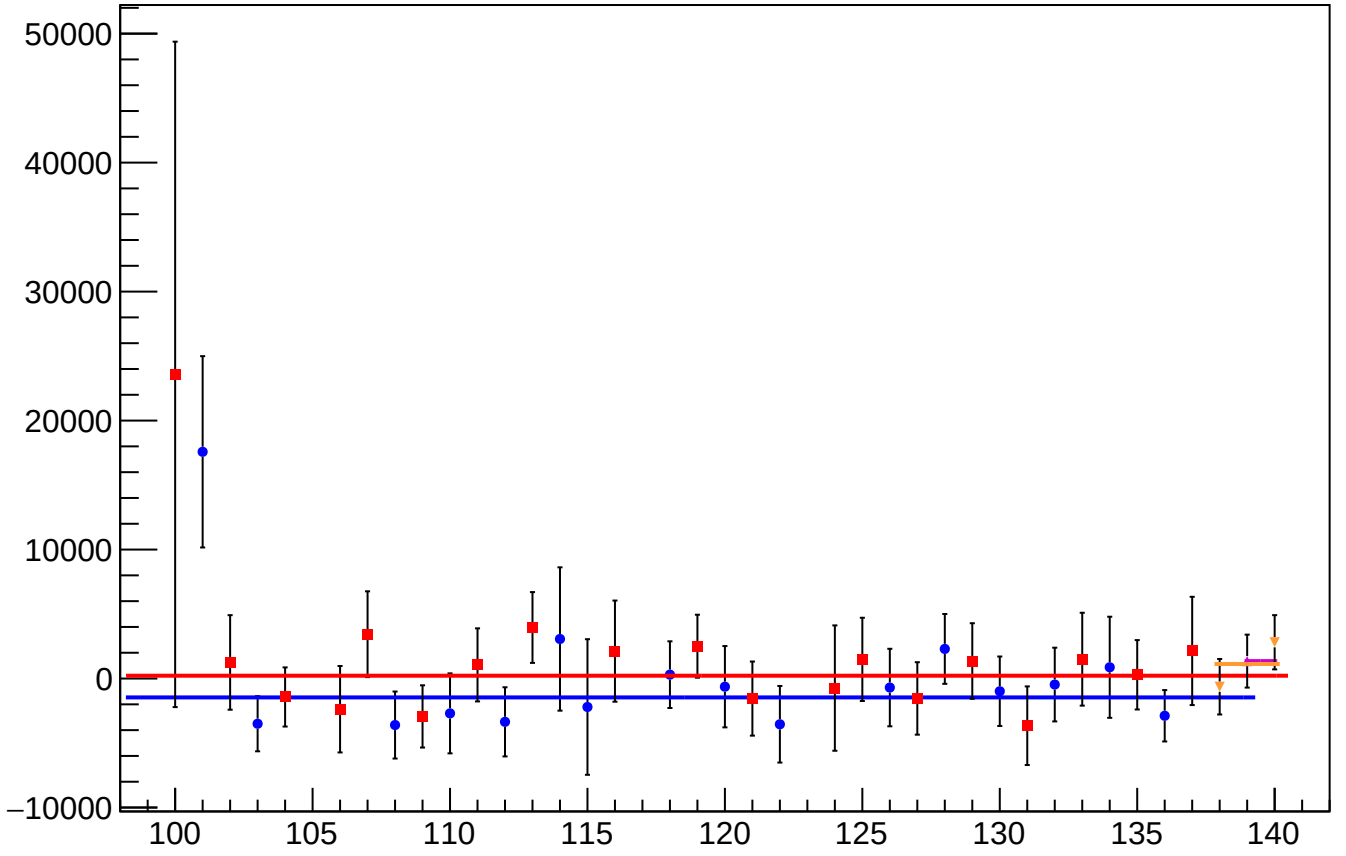
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 3936.149+/-1.011 χ^2/NDF:899125.2/16

Out: 3616.428+/-0.881 χ^2/NDF:1231138.8/20

All: 3754.497+/-0.664 χ^2/NDF: 2187103.4/37

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1129.167+/-1503.582 χ^2/NDF:1.3/1

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: 1351.034+/-2052.780 χ^2/NDF:0.0/0

Left: 1206.636+/-1213.000 χ^2/NDF: 1.3/2

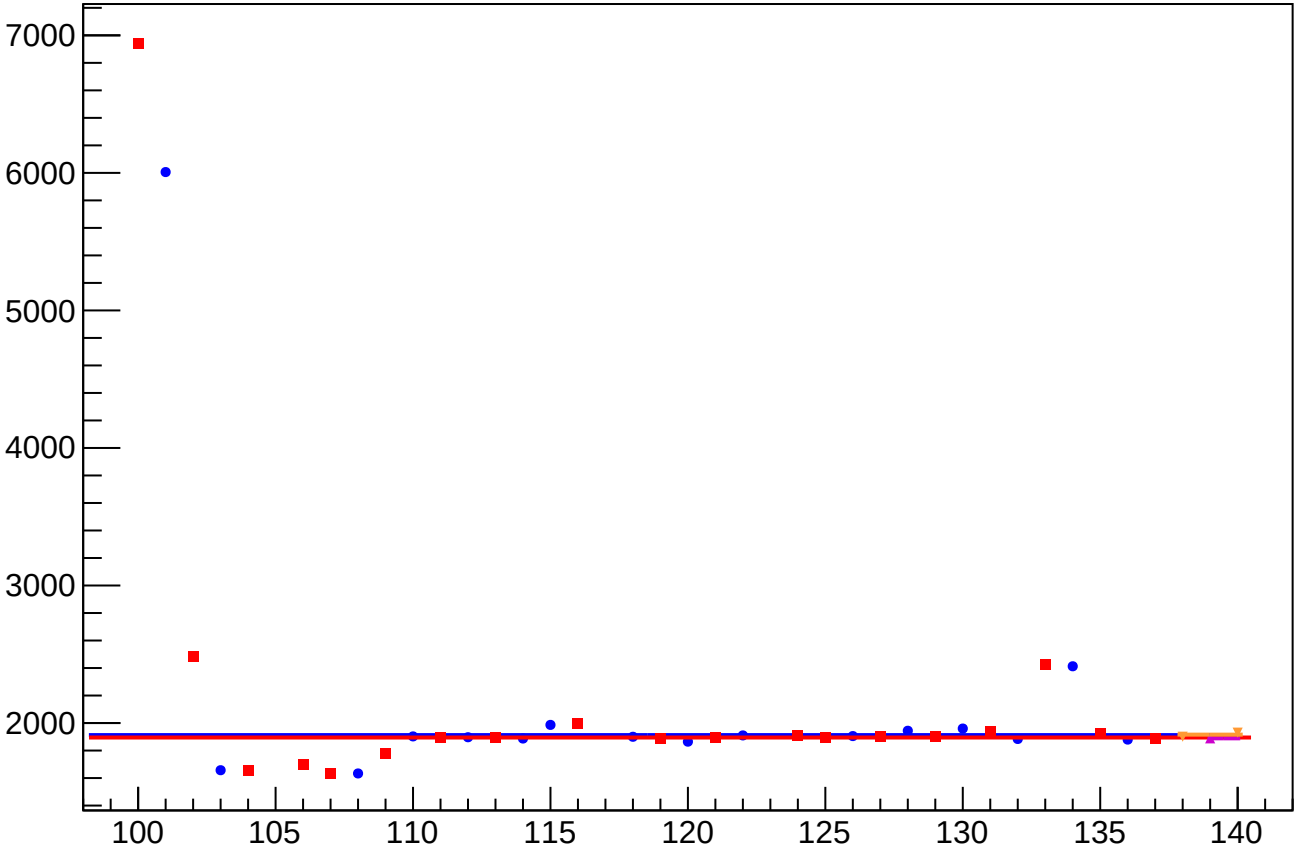
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -1148.093+/-686.360 χ^2/NDF:15.2/16

Out: 385.096+/-641.171 χ^2/NDF:12.4/20

All: -329.370+/-468.538 χ^2/NDF: 30.3/37

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1915.717+/-1.063 χ^2/NDF:193.2/1

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1888.722+/-1.452 χ^2/NDF:0.0/0

Left: 1906.291+/-0.858 χ^2/NDF: 418.3/2

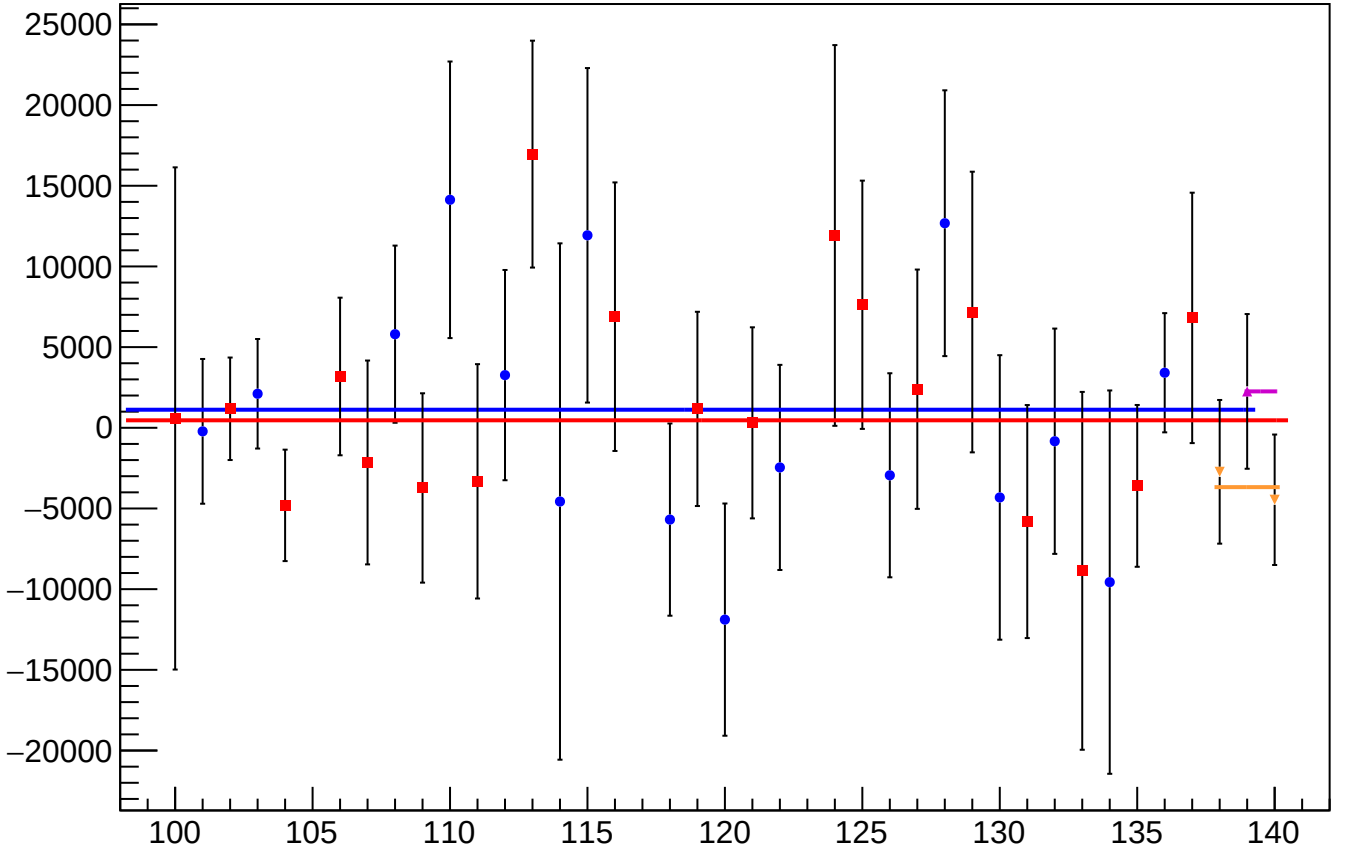
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1909.734+/-0.485 χ^2/NDF:696456.1/16

Out: 1898.568+/-0.453 χ^2/NDF:220292.5/20

All: 1903.766+/-0.331 χ^2/NDF: 917031.4/37

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -3677.126+/-2992.849 χ^2/NDF:0.1/1

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: 2255.477+/-4794.138 χ^2/NDF:0.0/0

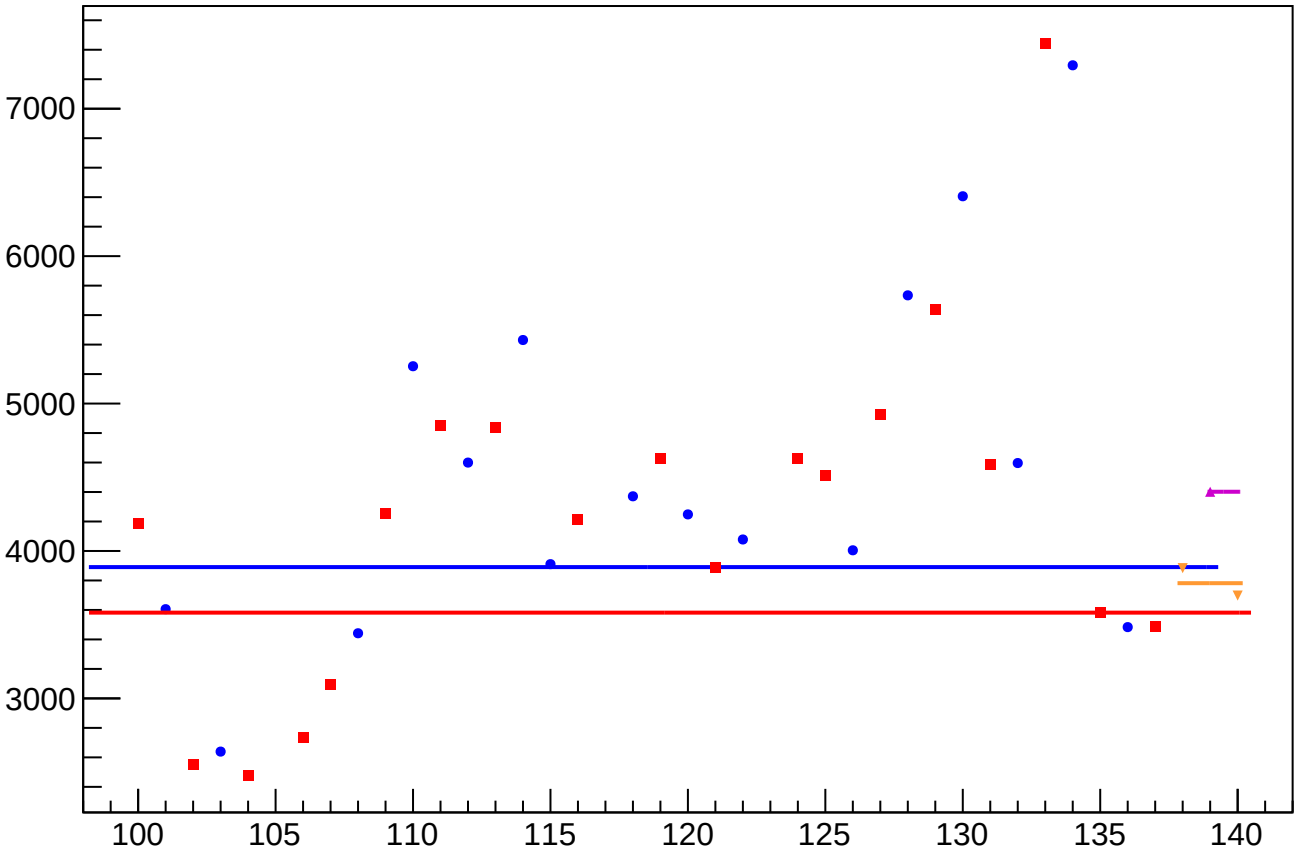
Left: -2013.454+/-2538.761 χ^2/NDF: 1.2/2

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 1221.105+/-1429.537 χ^2/NDF:13.5/16

Out: -253.816+/-1246.304 χ^2/NDF:16.7/20

All: 383.118+/-939.417 χ^2/NDF: 30.8/37



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3781.582+/-2.116 χ^2/NDF:1916.0/1

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4401.782+/-3.390 χ^2/NDF:0.0/0

Left: 3955.504+/-1.795 χ^2/NDF: 26000.9/2

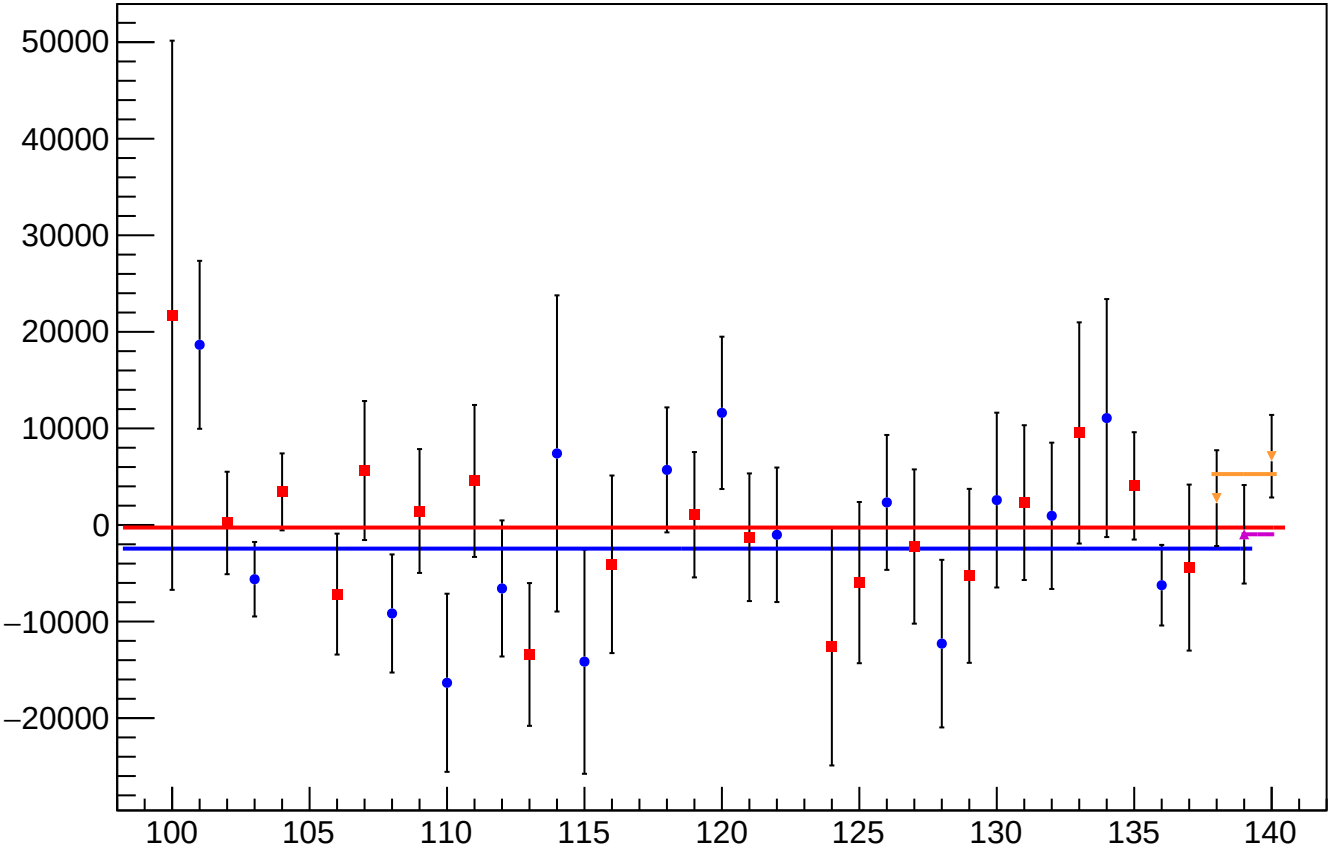
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3936.147+/-1.011 χ^2/NDF:899117.3/16

Out: 3616.426+/-0.881 χ^2/NDF:1231130.8/20

All: 3754.495+/-0.664 χ^2/NDF: 2187087.7/37

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 5271.898+/-3238.348 χ^2/NDF:0.4/1

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -964.384+/-5100.964 χ^2/NDF:0.0/0

Left: 3480.468+/-2733.942 χ^2/NDF: 1.5/2

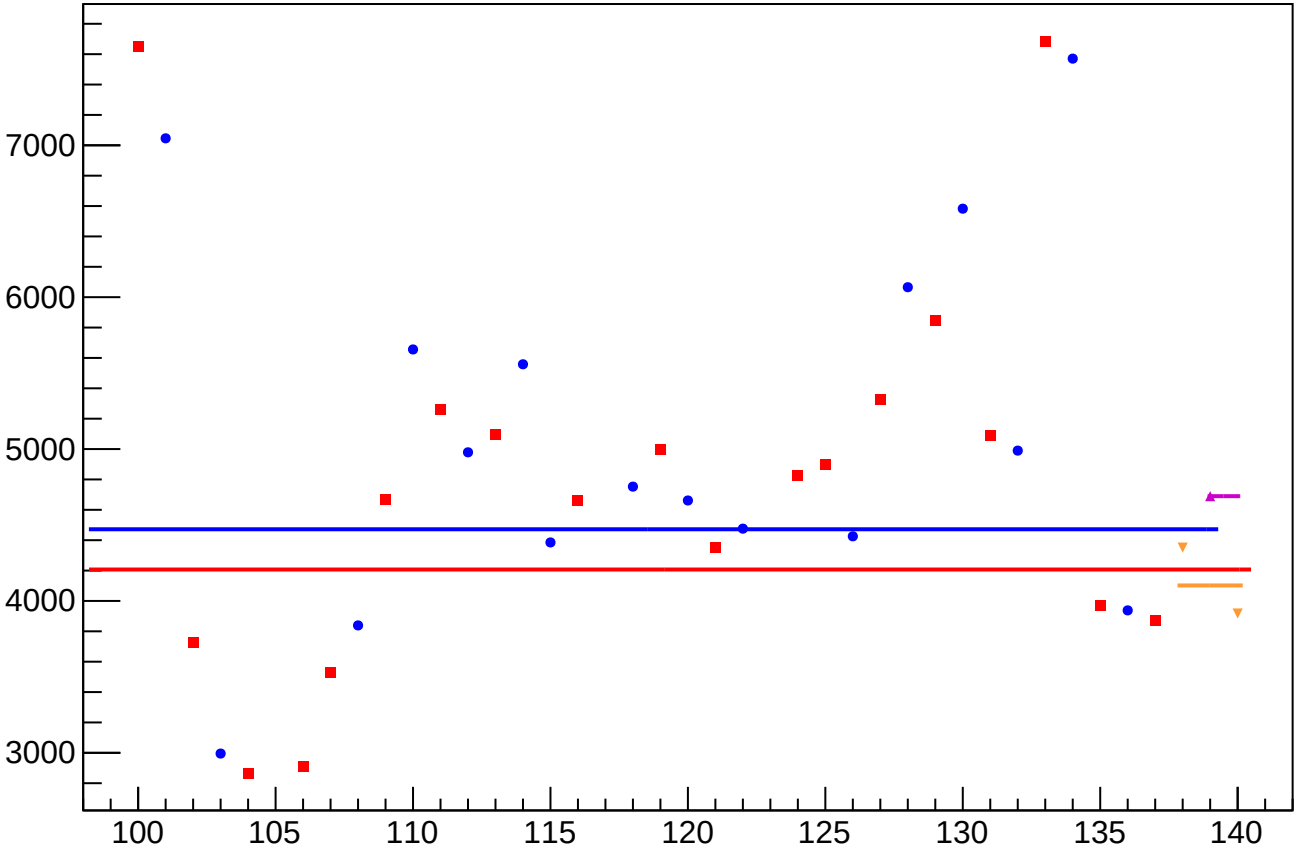
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -2296.821+/-1629.579 χ^2/NDF:20.9/16

Out: 845.393+/-1450.665 χ^2/NDF:13.5/20

All: -543.814+/-1083.530 χ^2/NDF: 36.5/37

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4102.122+/-2.290 χ^2/NDF:8779.4/1

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4689.819+/-3.607 χ^2/NDF:0.0/0

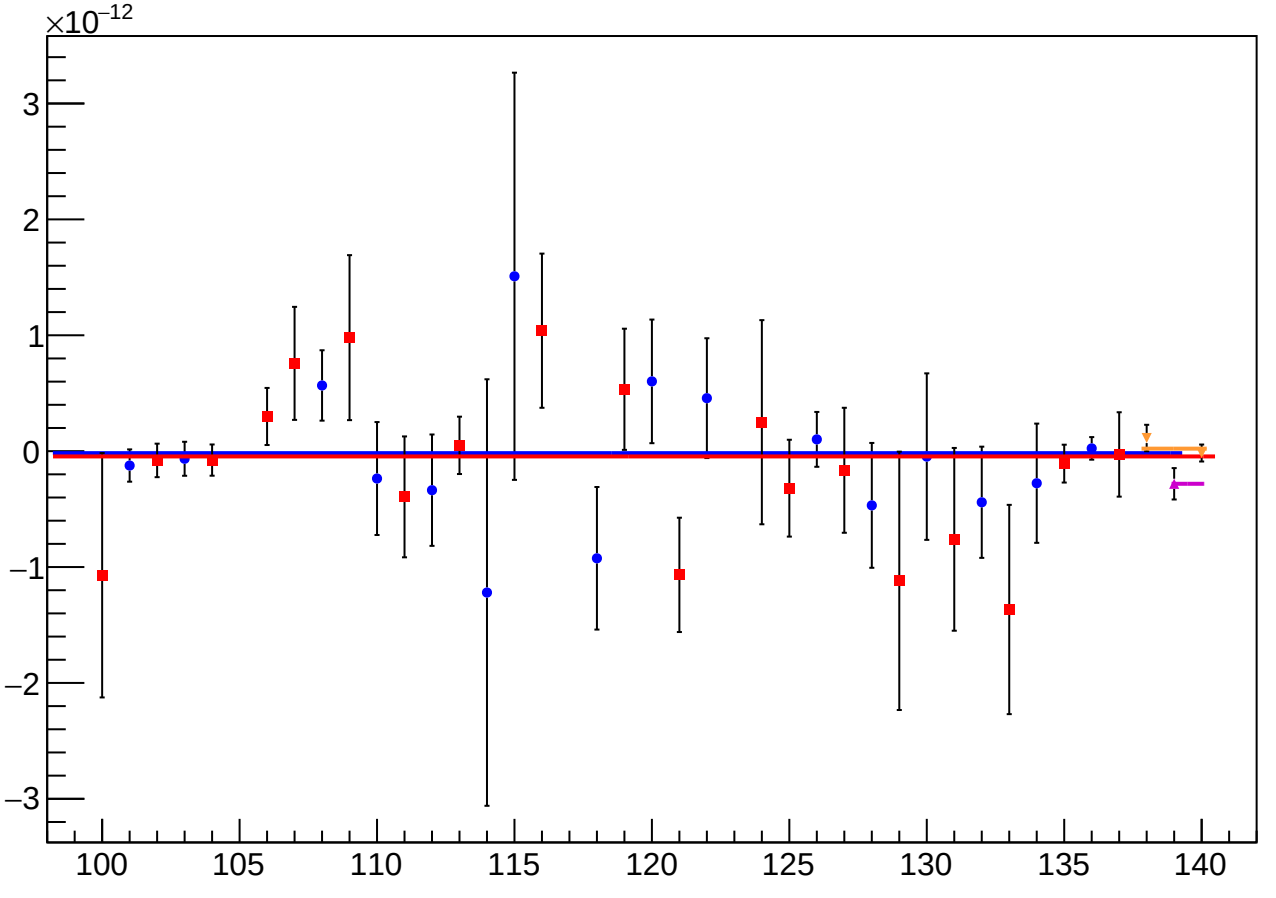
Left: 4270.944+/-1.933 χ^2/NDF: 27701.3/2

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4494.144+/-1.152 χ^2/NDF:894955.9/16

Out: 4186.154+/-1.019 χ^2/NDF:856983.9/20

All: 4321.324+/-0.763 χ^2/NDF: 1792027.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

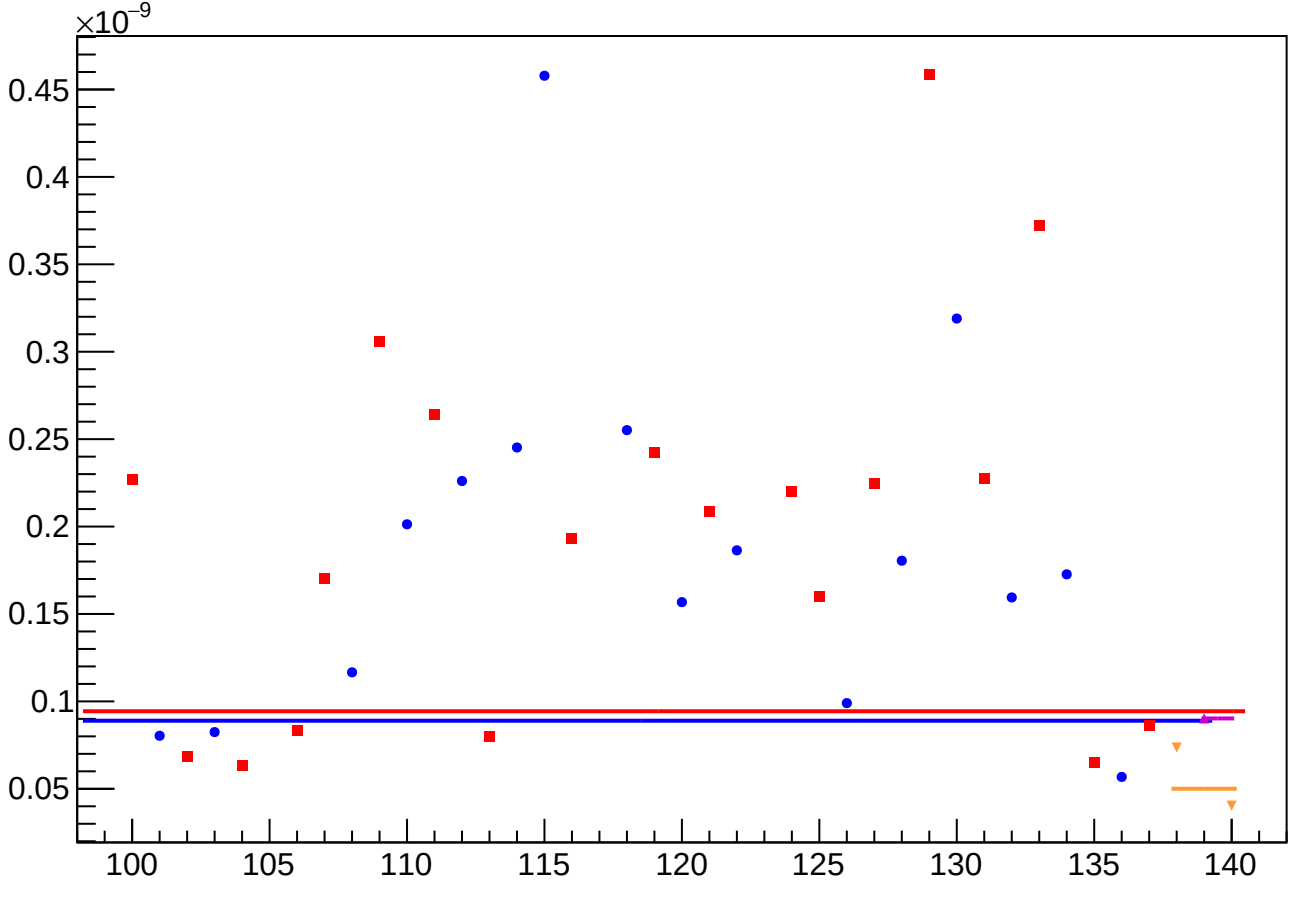
Left: -0.000+/-0.000 χ^2/NDF: 5.1/2

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:15.9/16

Out: -0.000+/-0.000 χ^2/NDF:22.7/20

All: -0.000+/-0.000 χ^2/NDF: 39.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:120578.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

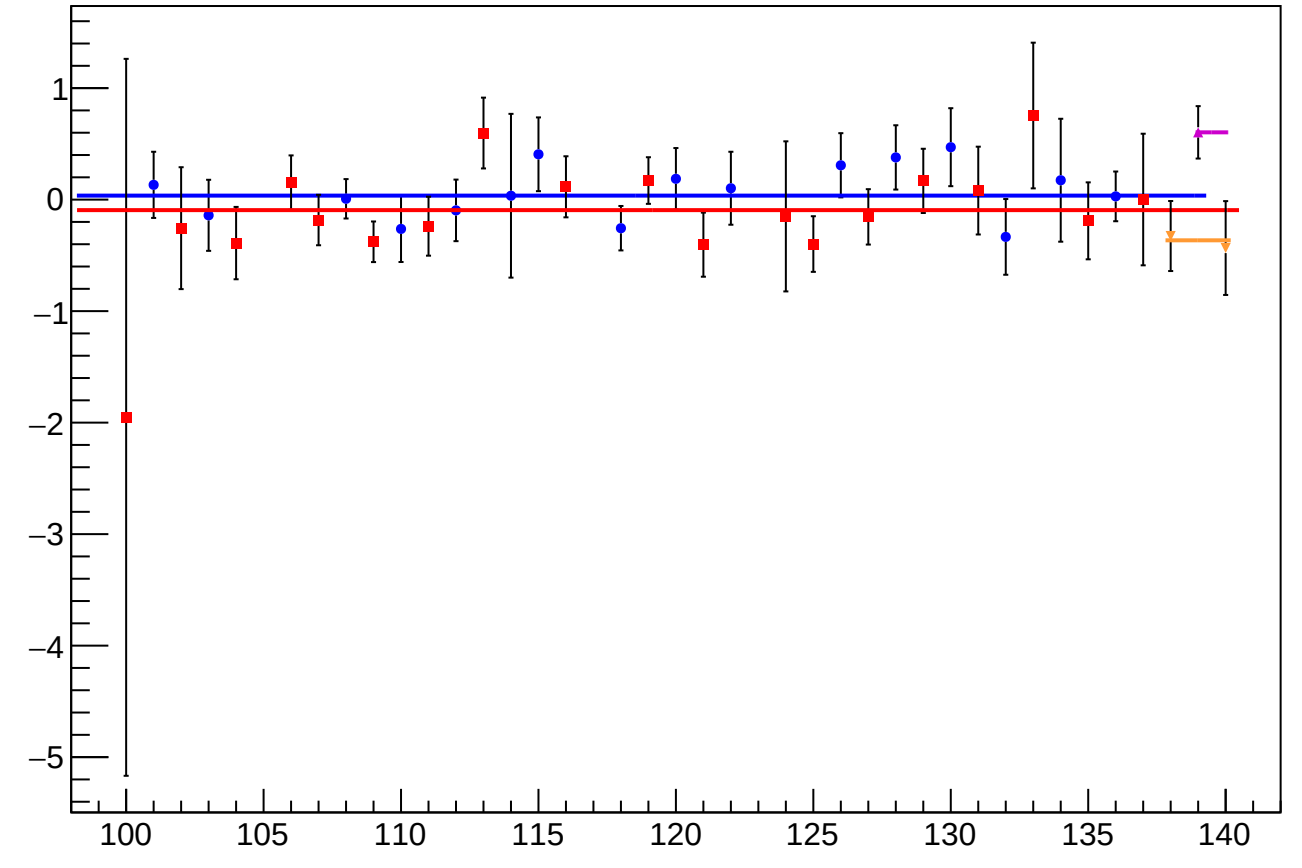
Left: 0.000+/-0.000 χ^2/NDF: 266672.7/2

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:1230375.2/16

Out: 0.000+/-0.000 χ^2/NDF:2281495.7/20

All: 0.000+/-0.000 χ^2/NDF: 3652841.6/37



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.365+/-0.252 χ^2/NDF:0.0/1

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.603+/-0.235 χ^2/NDF:0.0/0

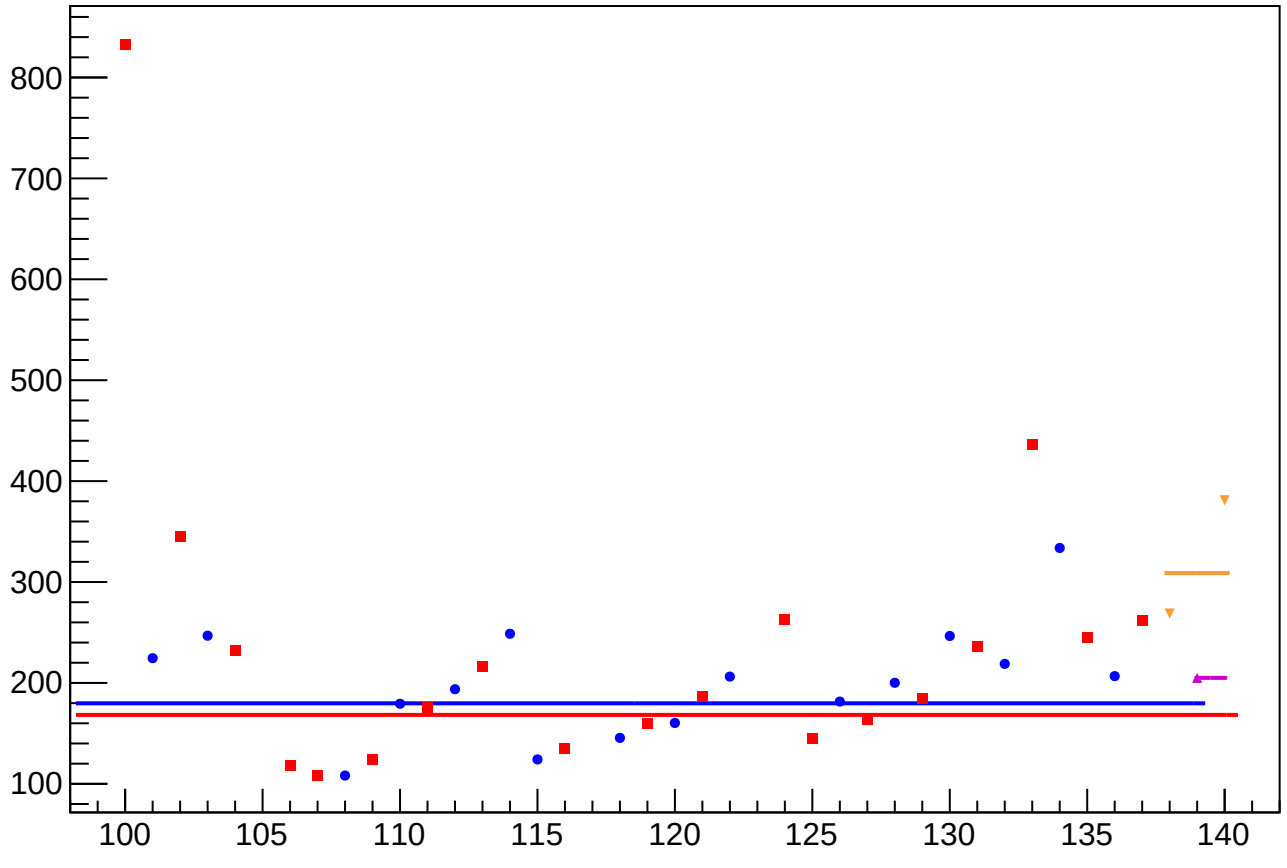
Left: 0.152+/-0.172 χ^2/NDF: 7.9/2

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.083+/-0.068 χ^2/NDF:15.9/16

Out: -0.112+/-0.065 χ^2/NDF:18.7/20

All: -0.018+/-0.047 χ^2/NDF: 38.9/37



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 308.907+/-0.178 χ^2/NDF:91390.8/1

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 205.013+/-0.166 χ^2/NDF:0.0/0

Left: 253.424+/-0.121 χ^2/NDF: 273429.9/2

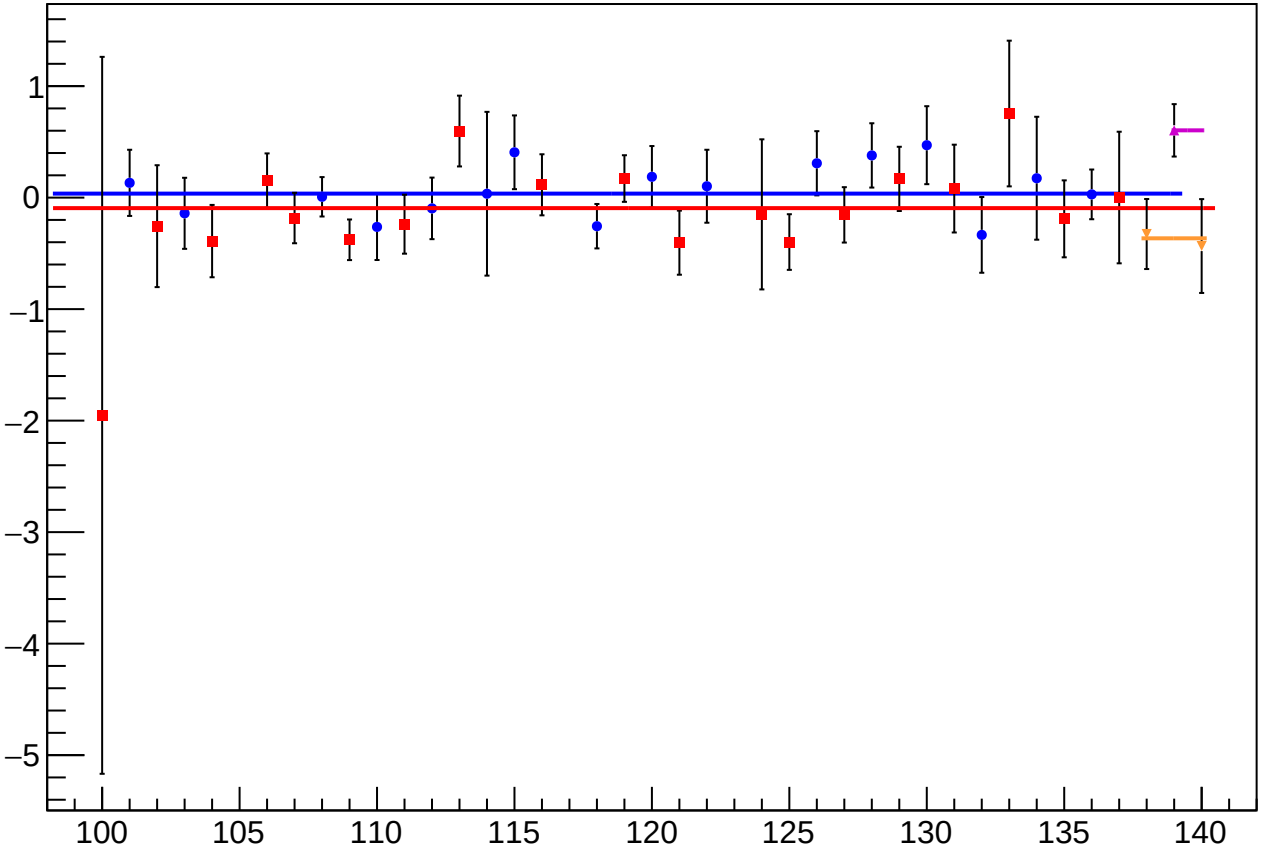
Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 181.881+/-0.048 χ^2/NDF:939649.3/16

Out: 177.803+/-0.046 χ^2/NDF:2082687.6/20

All: 179.772+/-0.033 χ^2/NDF: 3026100.8/37

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.365+/-0.252 χ^2/NDF:0.0/1

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.603+/-0.235 χ^2/NDF:0.0/0

Left: 0.152+/-0.172 χ^2/NDF: 7.9/2

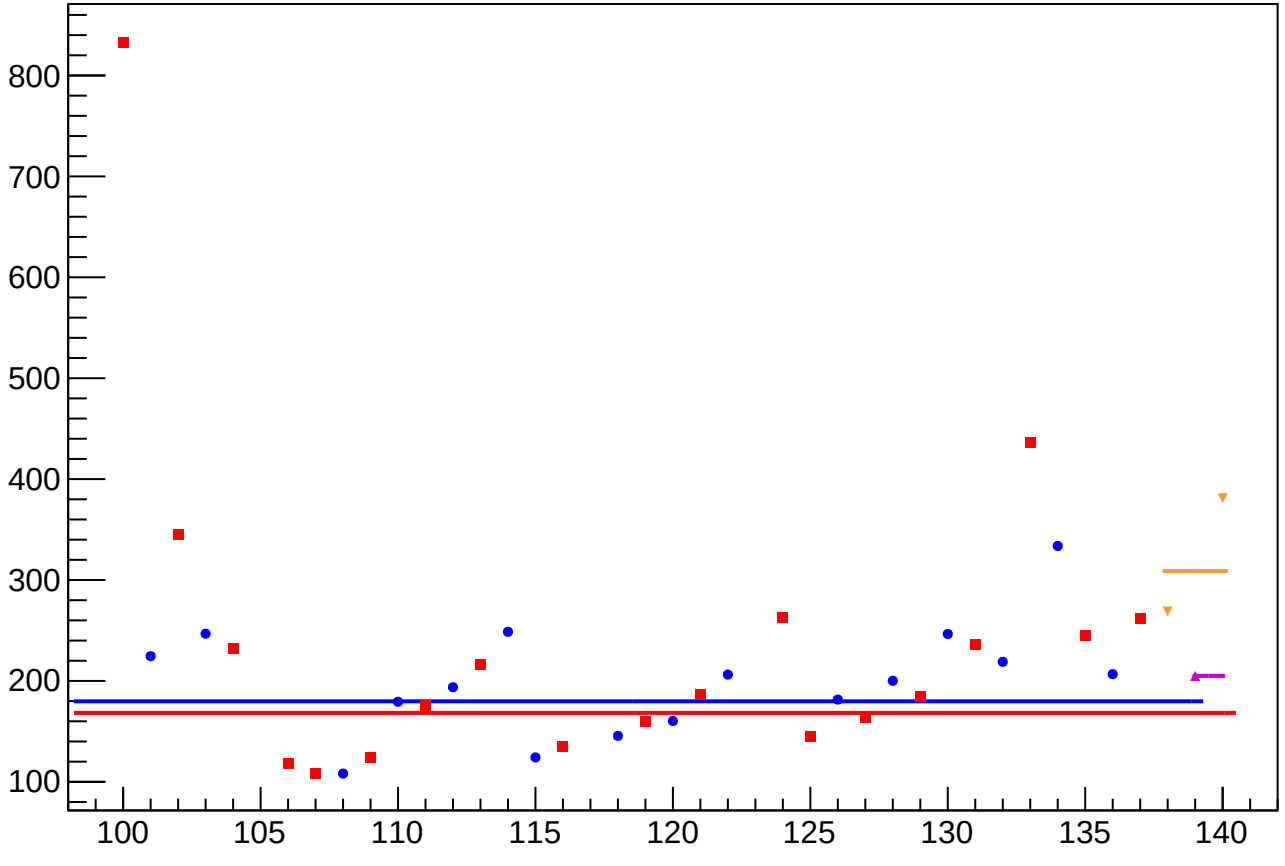
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.083+/-0.068 χ^2/NDF:15.9/16

Out: -0.112+/-0.065 χ^2/NDF:18.7/20

All: -0.018+/-0.047 χ^2/NDF: 38.9/37

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 308.907+/-0.178 χ^2/NDF:91390.8/1

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 205.013+/-0.166 χ^2/NDF:0.0/0

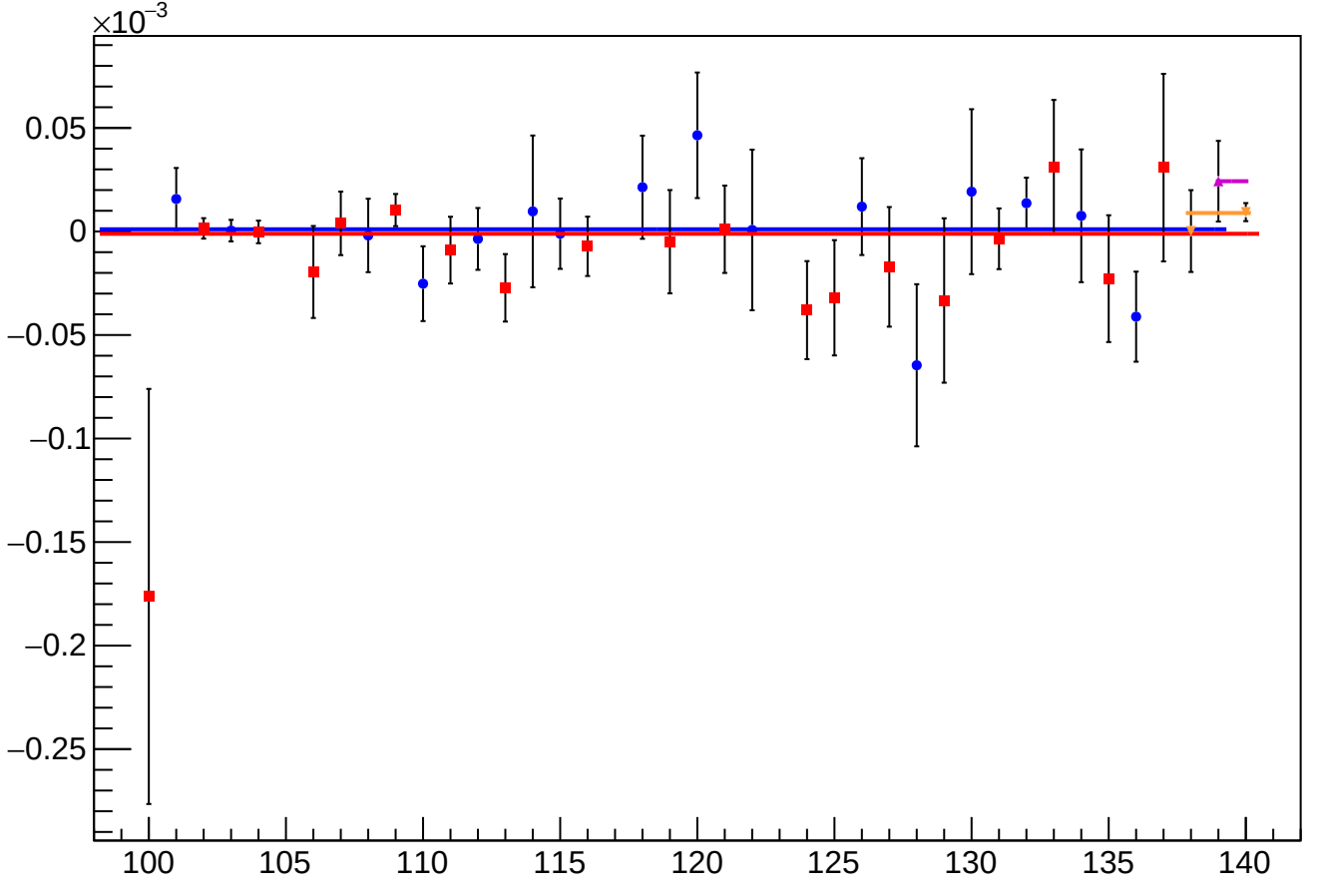
Left: 253.424+/-0.121 χ^2/NDF: 273429.9/2

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 181.881+/-0.048 χ^2/NDF:939649.3/16

Out: 177.803+/-0.046 χ^2/NDF:2082687.6/20

All: 179.772+/-0.033 χ^2/NDF: 3026100.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

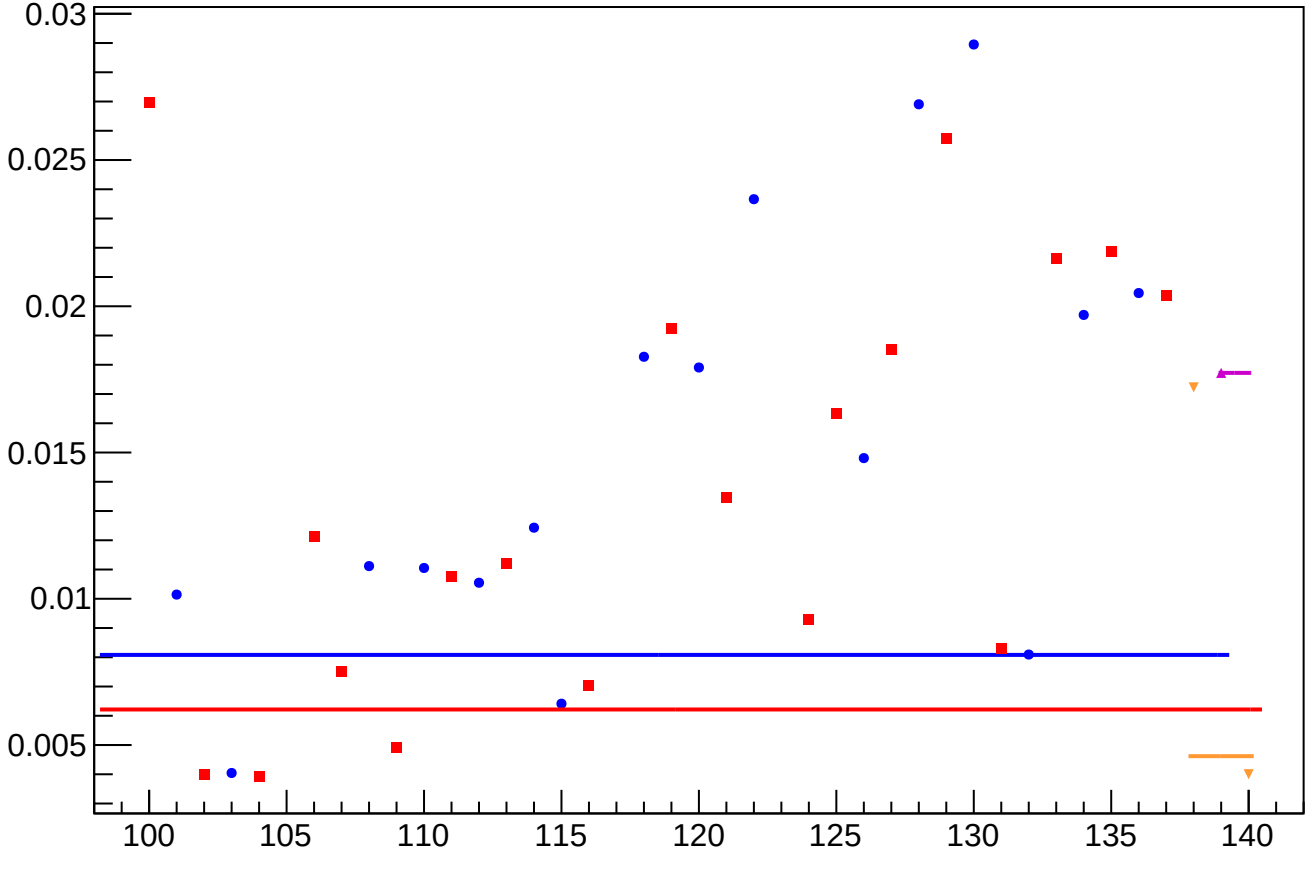
Left: 0.000+/-0.000 χ^2/NDF: 0.8/2

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:15.7/16

Out: 0.000+/-0.000 χ^2/NDF:20.0/20

All: 0.000+/-0.000 χ^2/NDF: 35.7/37



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:854286.7/1

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.018+/-0.000 χ^2/NDF:0.0/0

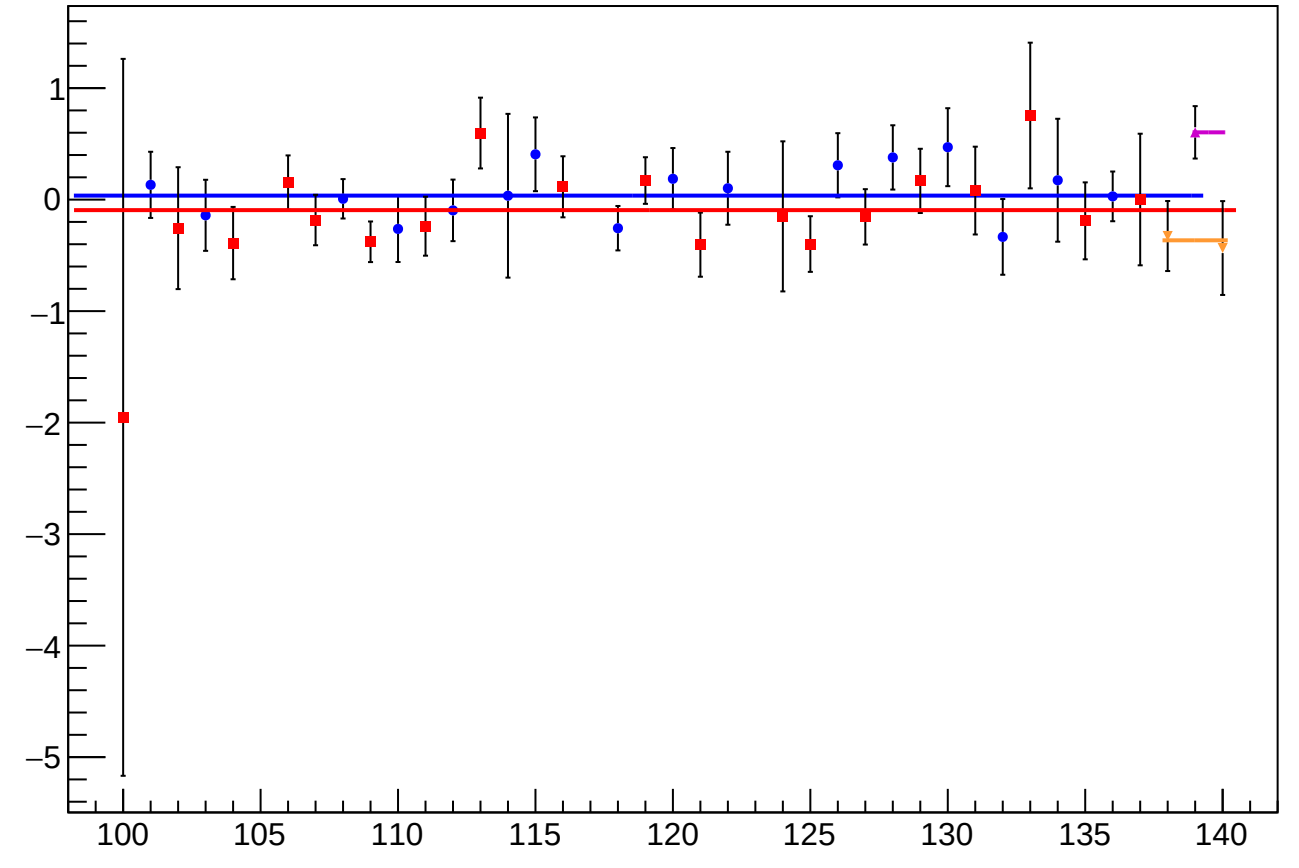
Left: 0.005+/-0.000 χ^2/NDF: 1718187.5/2

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.008+/-0.000 χ^2/NDF:4886419.2/16

Out: 0.006+/-0.000 χ^2/NDF:5610423.8/20

All: 0.007+/-0.000 χ^2/NDF: 11264811.9/37



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.365+/-0.252 χ^2/NDF:0.0/1

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.603+/-0.235 χ^2/NDF:0.0/0

Left: 0.152+/-0.172 χ^2/NDF: 8.0/2

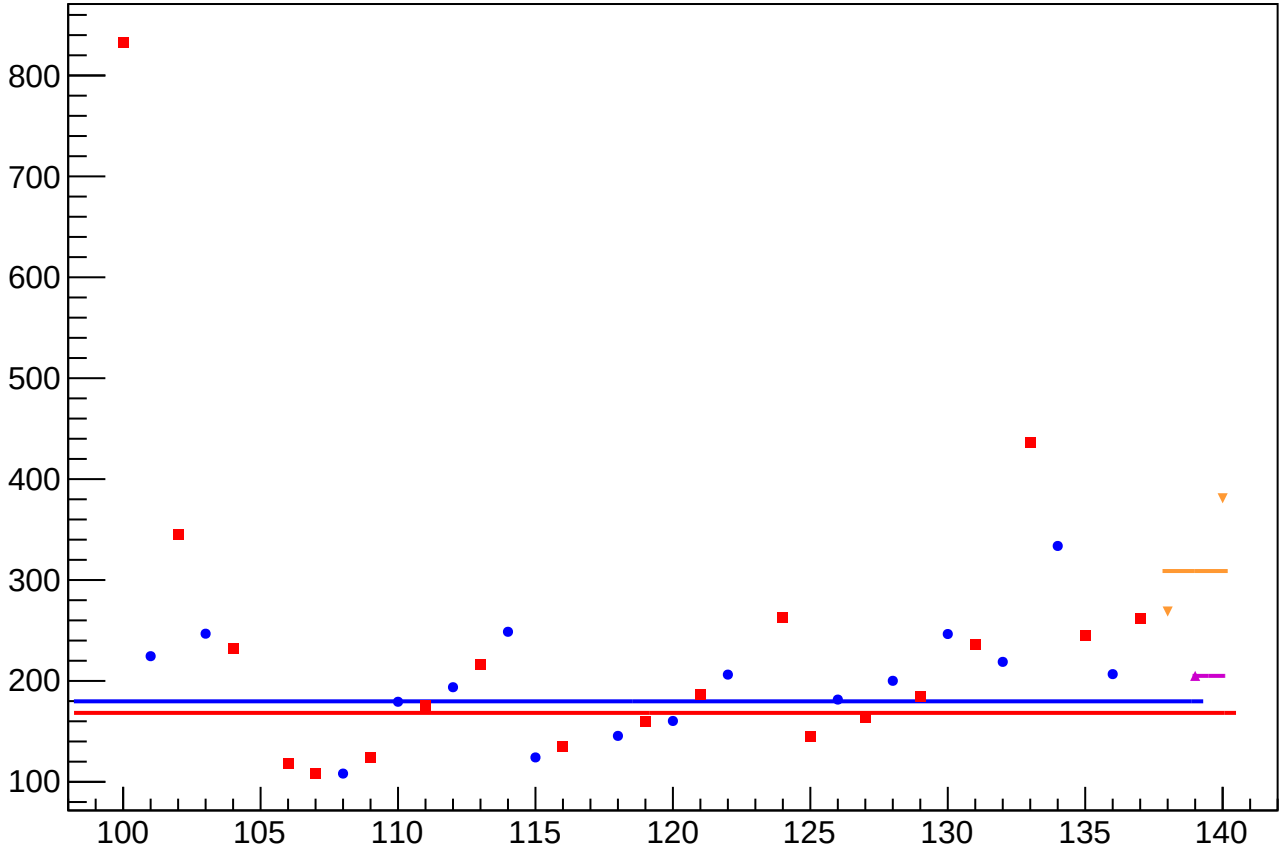
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.083+/-0.068 χ^2/NDF:15.9/16

Out: -0.112+/-0.065 χ^2/NDF:18.7/20

All: -0.018+/-0.047 χ^2/NDF: 38.9/37

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: 308.911+/-0.178 χ^2/NDF:91380.1/1

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 205.017+/-0.166 χ^2/NDF:0.0/0

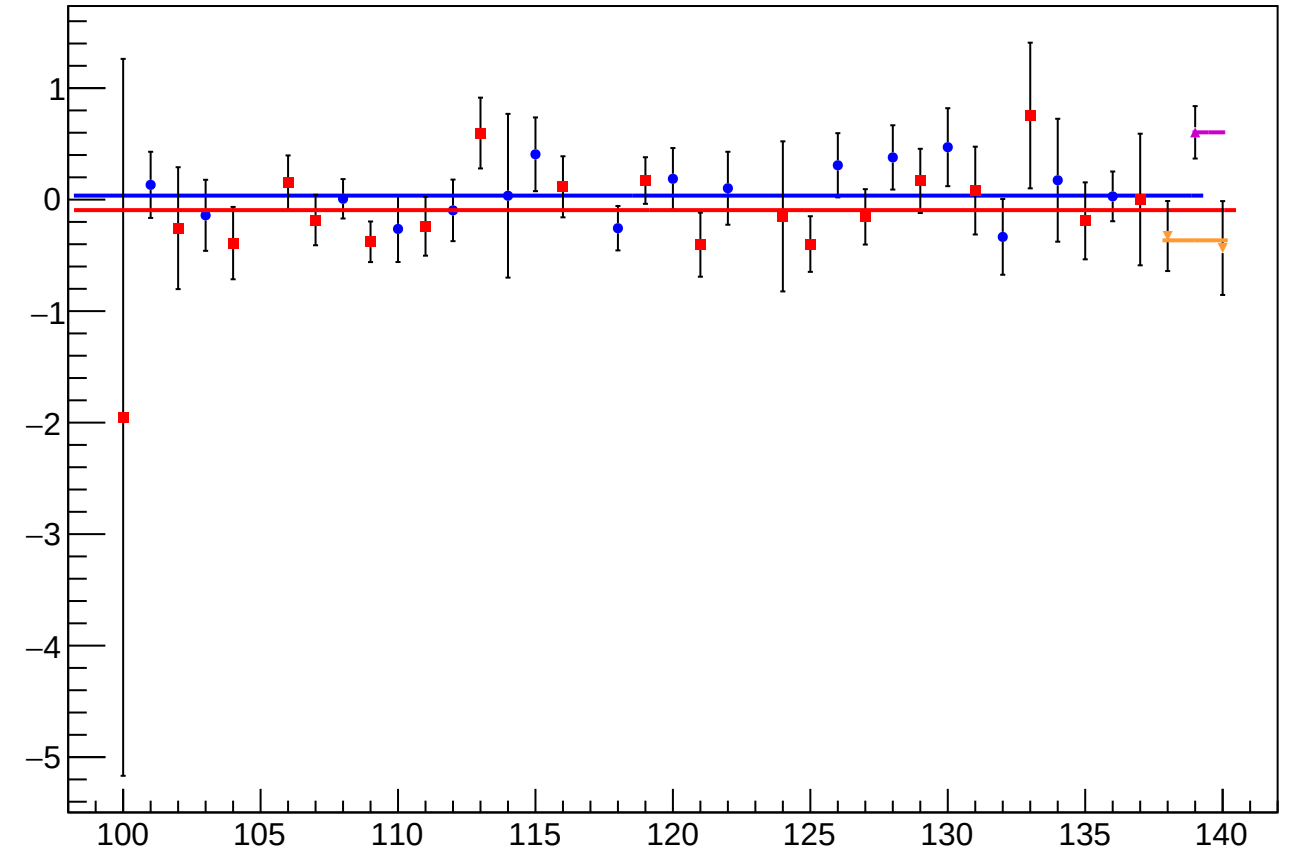
Left: 253.428+/-0.121 χ^2/NDF: 273414.8/2

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 181.879+/-0.048 χ^2/NDF:939706.5/16

Out: 177.803+/-0.046 χ^2/NDF:2082697.2/20

All: 179.771+/-0.033 χ^2/NDF: 3026163.9/37



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.365+/-0.252 χ^2/NDF:0.0/1

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.603+/-0.235 χ^2/NDF:0.0/0

Left: 0.152+/-0.172 χ^2/NDF: 8.0/2

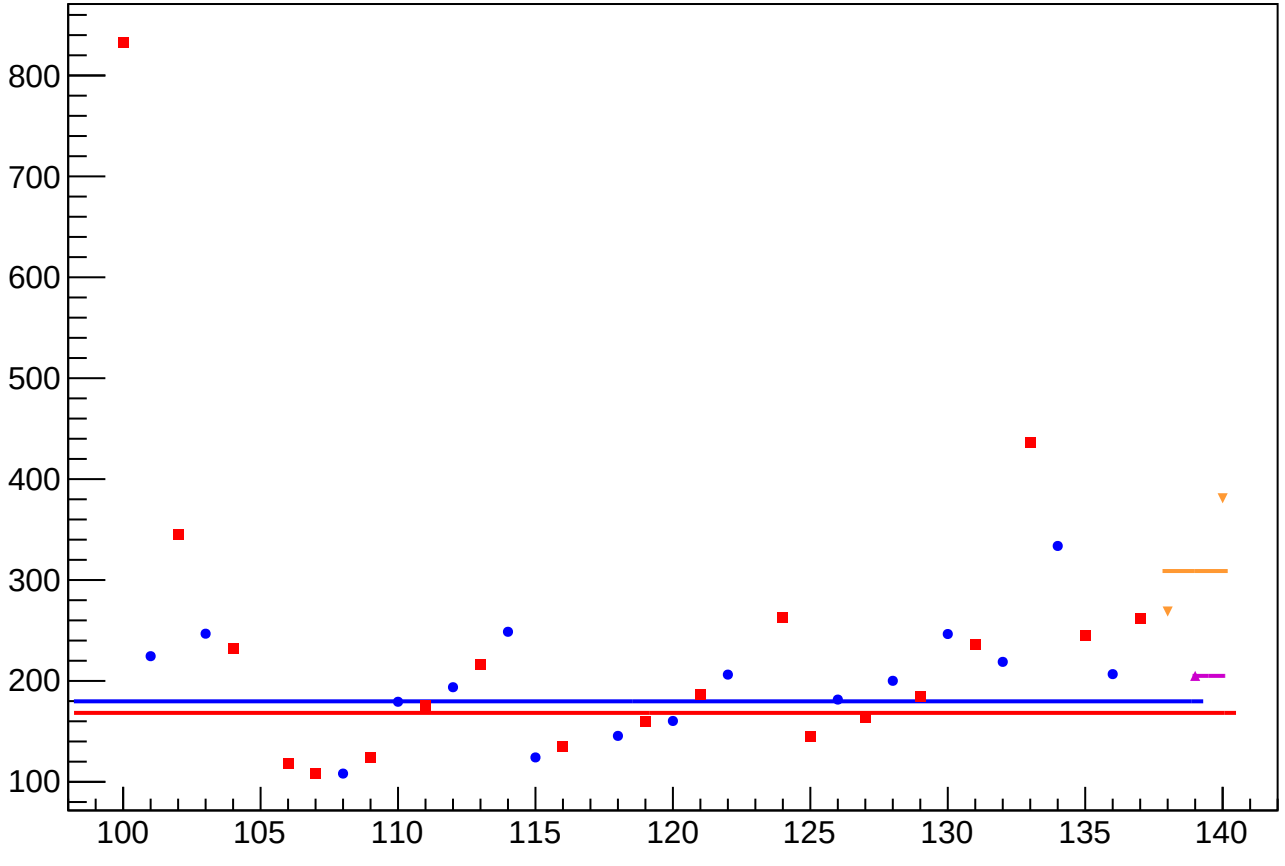
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.083+/-0.068 χ^2/NDF:15.9/16

Out: -0.112+/-0.065 χ^2/NDF:18.7/20

All: -0.018+/-0.047 χ^2/NDF: 38.9/37

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: 308.911+/-0.178 χ^2/NDF:91380.1/1

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 205.017+/-0.166 χ^2/NDF:0.0/0

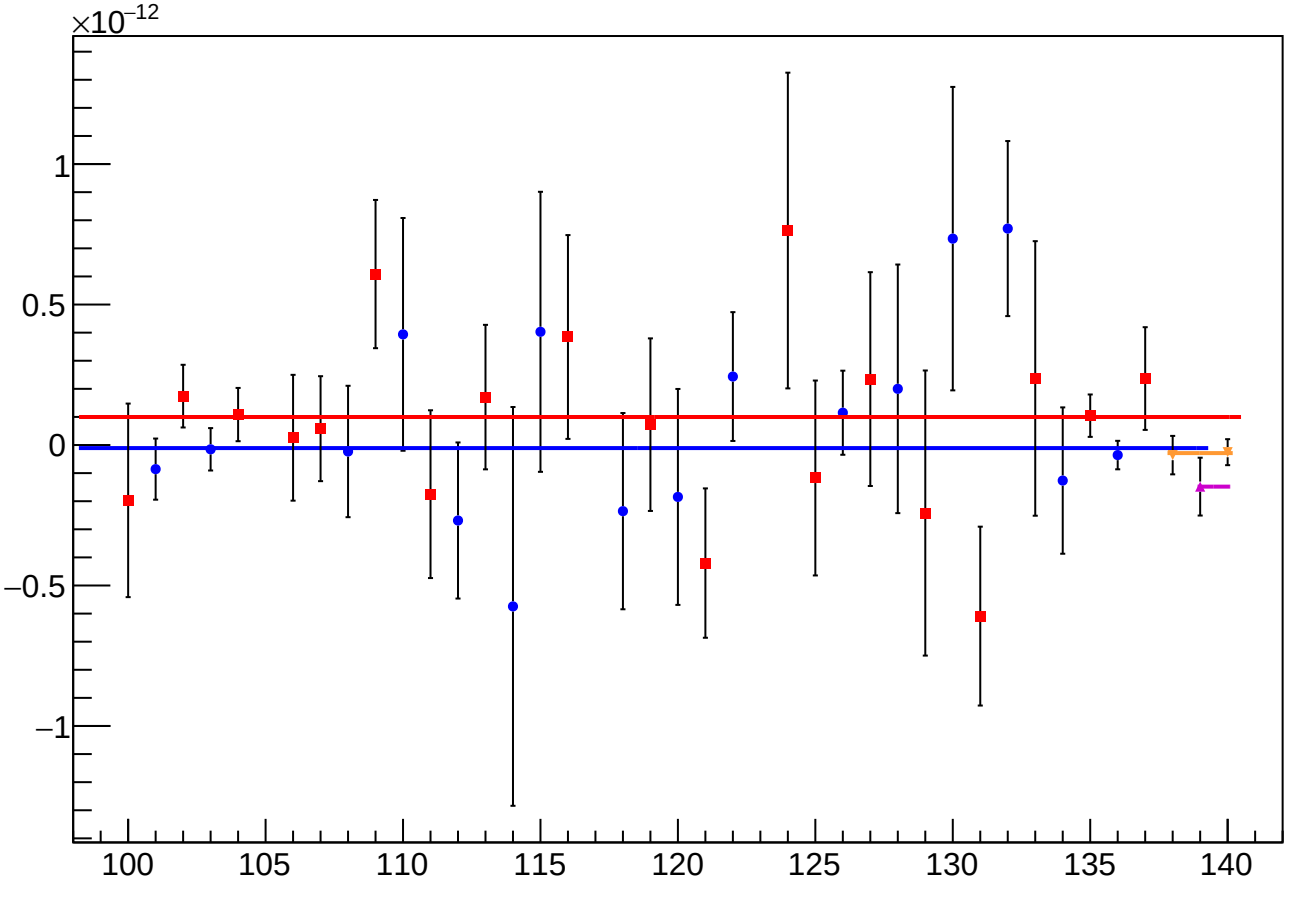
Left: 253.428+/-0.121 χ^2/NDF: 273414.8/2

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 181.879+/-0.048 χ^2/NDF:939706.5/16

Out: 177.803+/-0.046 χ^2/NDF:2082697.2/20

All: 179.771+/-0.033 χ^2/NDF: 3026163.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

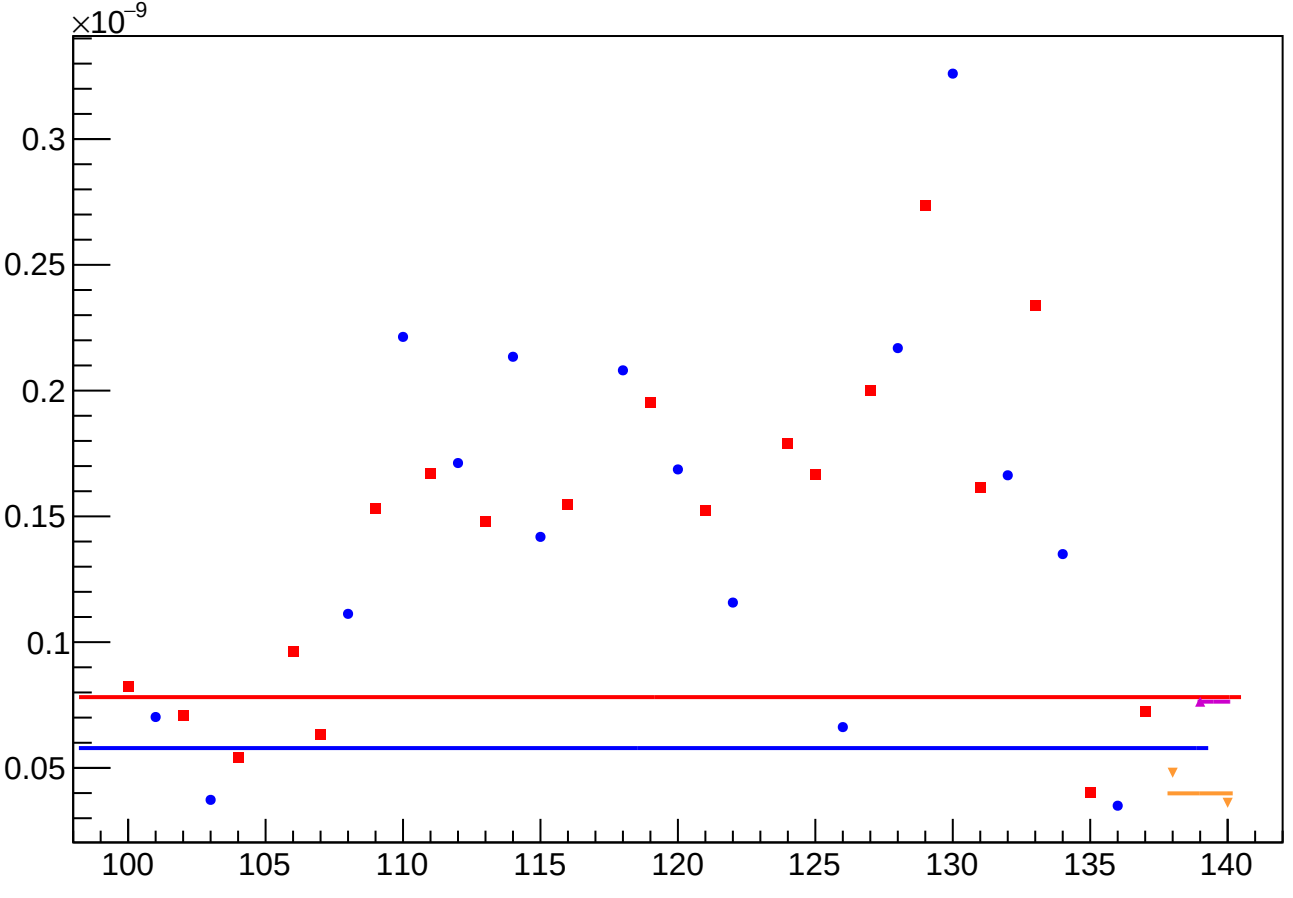
Left: -0.000+/-0.000 χ^2/NDF: 1.2/2

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:16.6/16

Out: 0.000+/-0.000 χ^2/NDF:23.5/20

All: 0.000+/-0.000 χ^2/NDF: 41.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:41846.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 262262.7/2

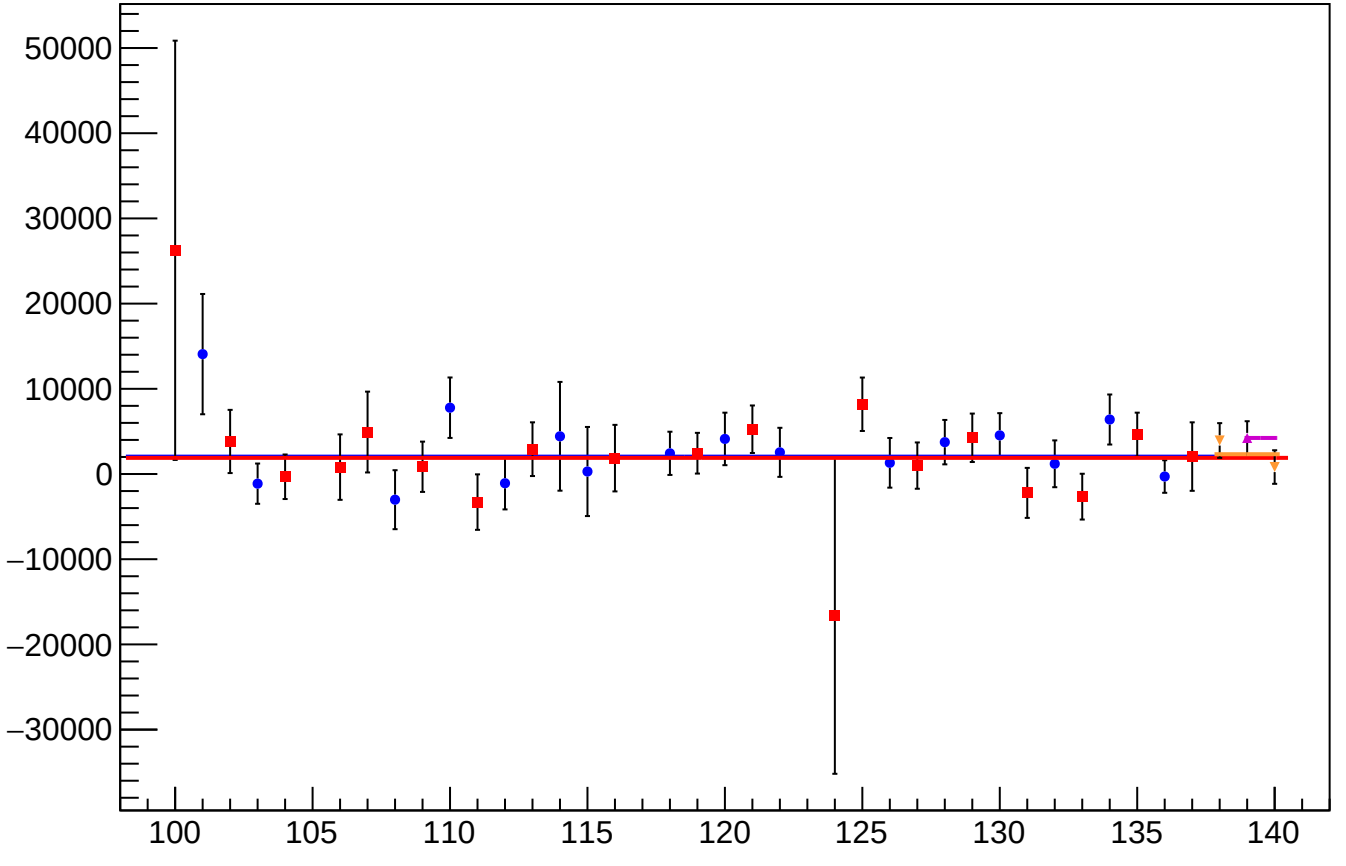
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:3380548.3/16

Out: 0.000+/-0.000 χ^2/NDF:3676948.9/20

All: 0.000+/-0.000 χ^2/NDF: 7064610.7/37

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2323.357+/-1416.790 χ^2/NDF:1.2/1

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 4232.549+/-1964.371 χ^2/NDF:0.0/0

Left: 2976.660+/-1149.096 χ^2/NDF: 1.8/2

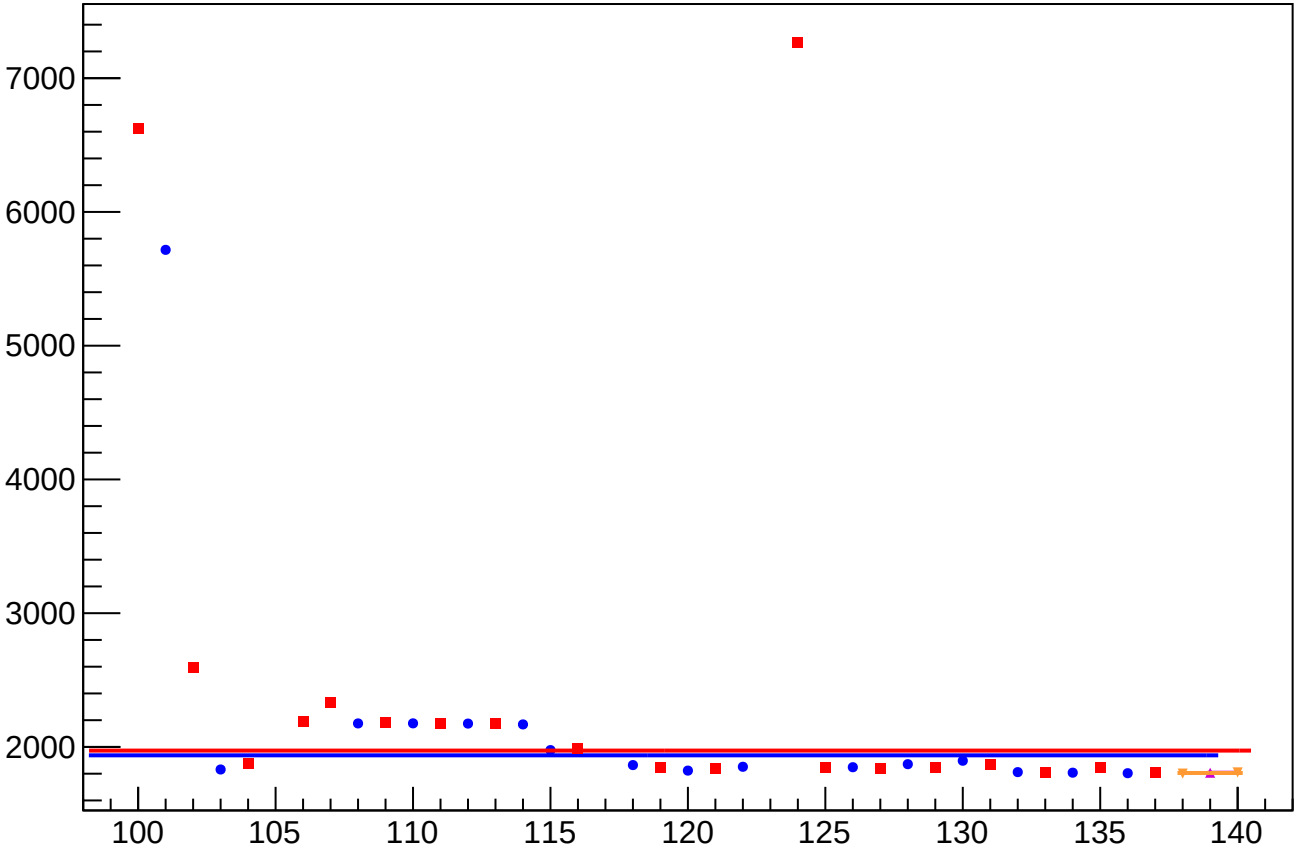
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2309.347+/-689.385 χ^2/NDF:17.5/16

Out: 1986.371+/-653.662 χ^2/NDF:19.8/20

All: 2139.274+/-474.335 χ^2/NDF: 37.4/37

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1805.301+/-1.002 χ^2/NDF:20.3/1

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1807.216+/-1.389 χ^2/NDF:0.0/0

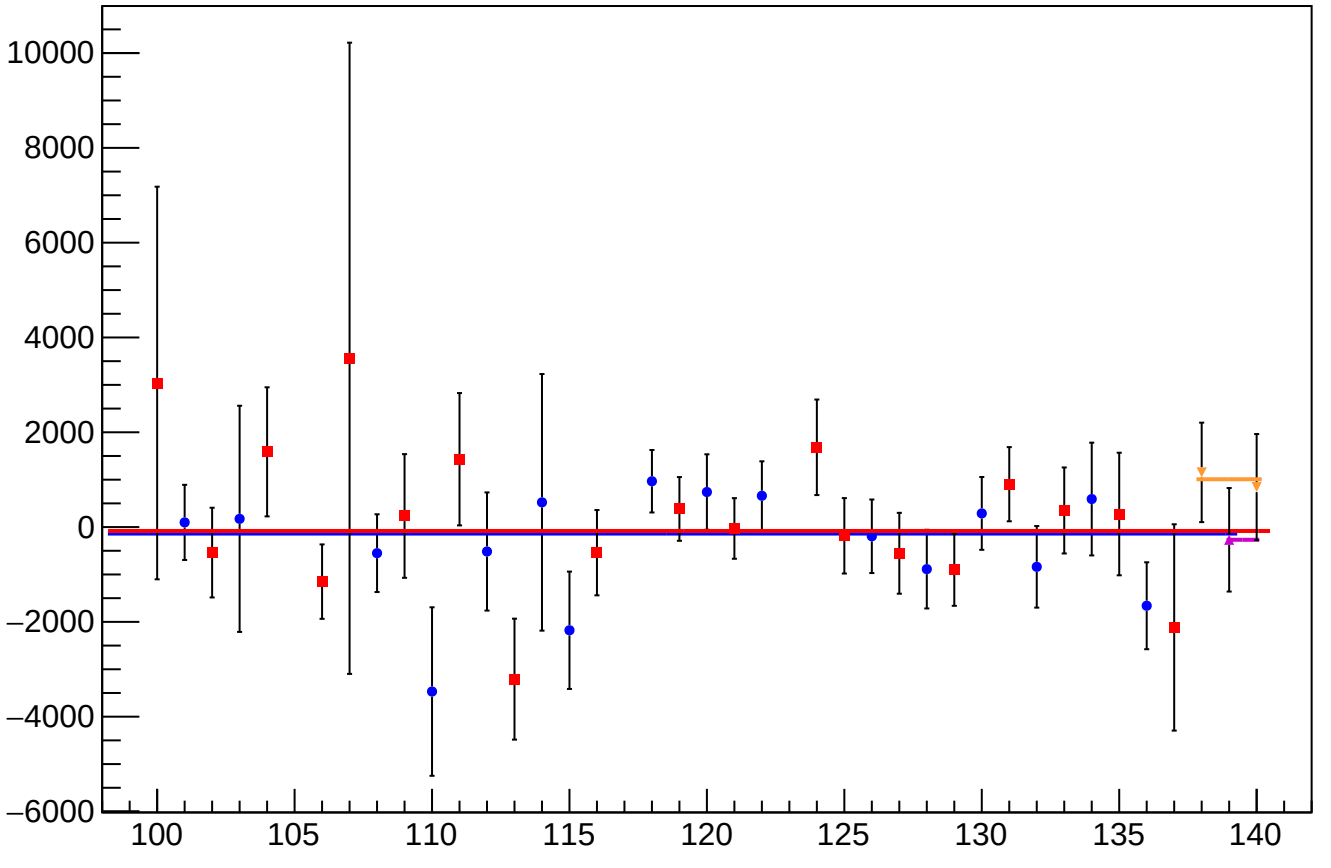
Left: 1805.956+/-0.813 χ^2/NDF: 21.5/2

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1921.236+/-0.487 χ^2/NDF:645777.2/16

Out: 1937.115+/-0.462 χ^2/NDF:399550.6/20

All: 1929.597+/-0.335 χ^2/NDF: 1045886.6/37



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: 1008.819+/-765.335 χ^2/NDF:0.0/1

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: -268.068+/-1092.193 χ^2/NDF:0.0/0

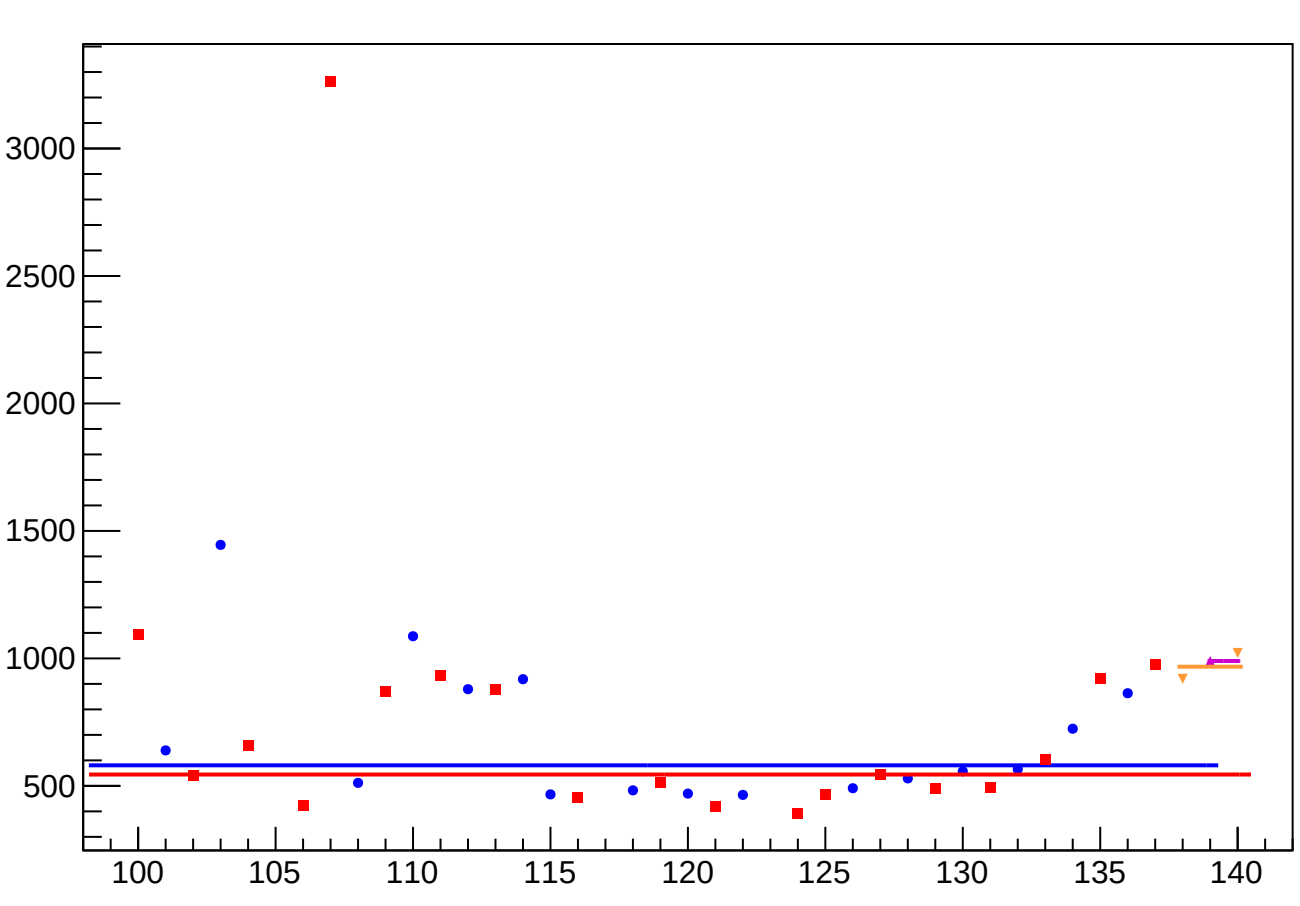
Left: 588.314+/-626.771 χ^2/NDF: 1.0/2

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -142.244+/-225.467 χ^2/NDF:16.9/16

Out: 2.398+/-213.228 χ^2/NDF:21.7/20

All: -65.890+/-154.921 χ^2/NDF: 38.8/37



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 967.342+/-0.541 χ^2/NDF:8714.1/1

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 989.745+/-0.772 χ^2/NDF:0.0/0

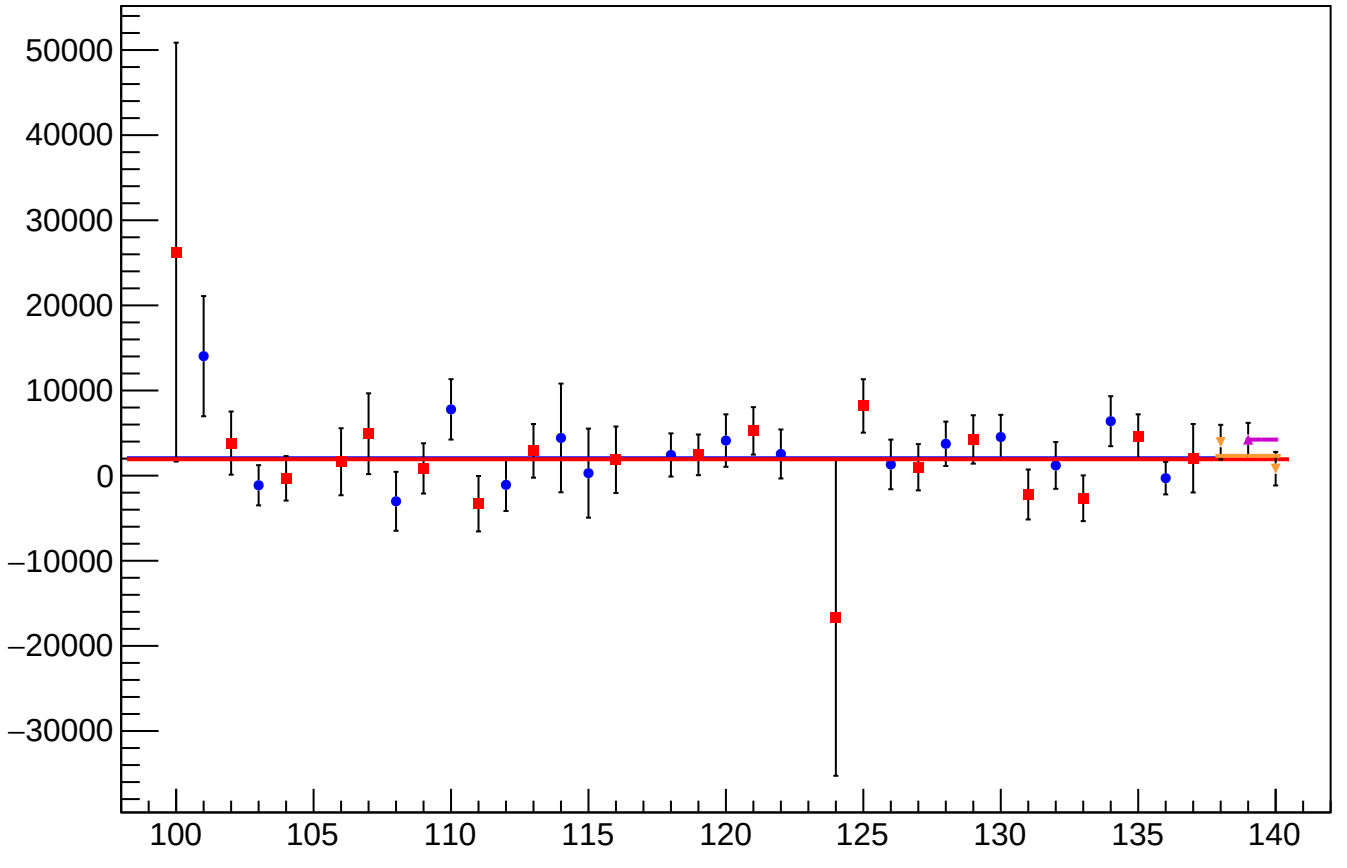
Left: 974.720+/-0.443 χ^2/NDF: 9278.4/2

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 598.046+/-0.159 χ^2/NDF:1272099.0/16

Out: 577.350+/-0.151 χ^2/NDF:1859385.1/20

All: 587.121+/-0.110 χ^2/NDF: 3140379.9/37



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2323.376+/-1416.790 χ^2/NDF:1.2/1

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 4233.025+/-1964.371 χ^2/NDF:0.0/0

Left: 2976.836+/-1149.096 χ^2/NDF: 1.8/2

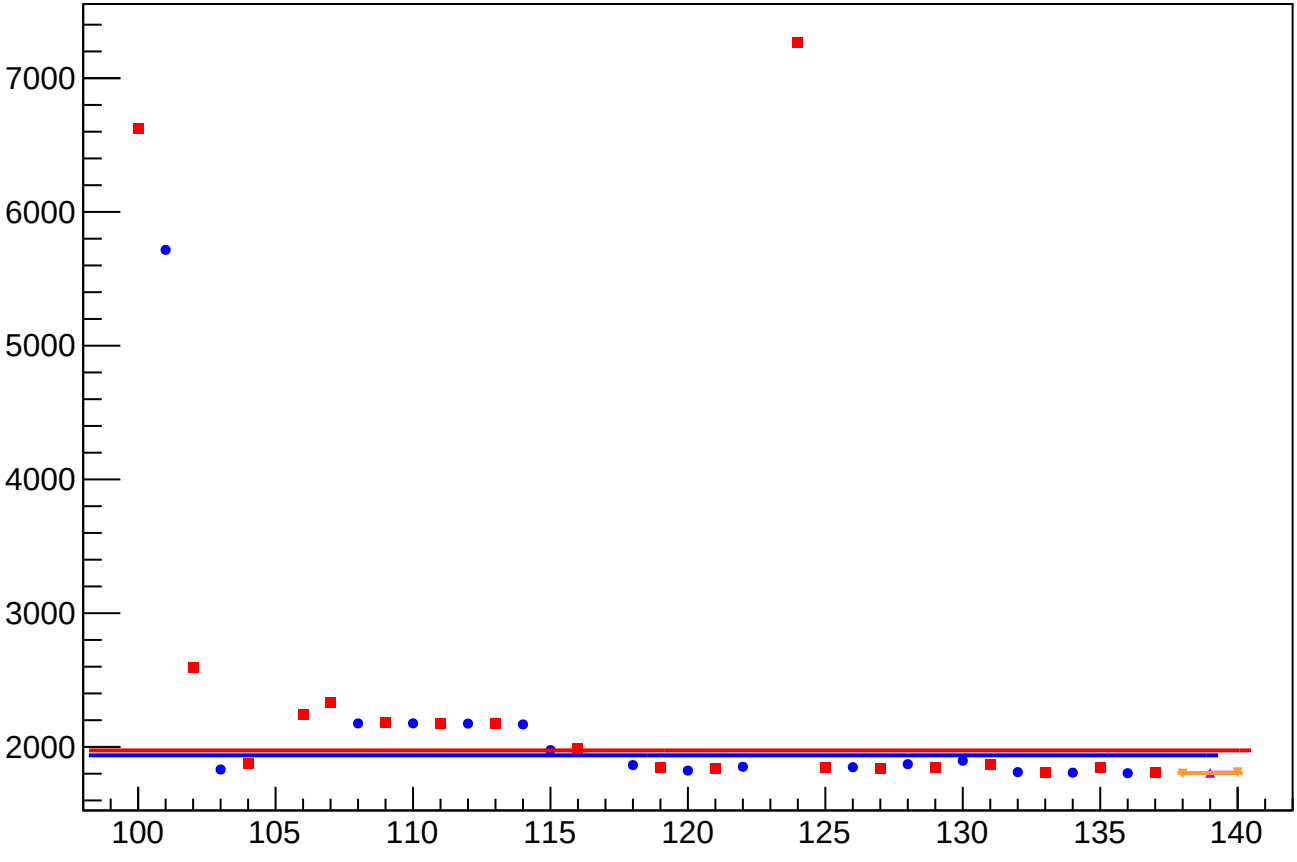
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2309.082+/-689.385 χ^2/NDF:17.5/16

Out: 2010.910+/-654.115 χ^2/NDF:19.7/20

All: 2152.174+/-474.508 χ^2/NDF: 37.3/37

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1805.301+/-1.002 χ^2/NDF:20.3/1

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1807.216+/-1.389 χ^2/NDF:0.0/0

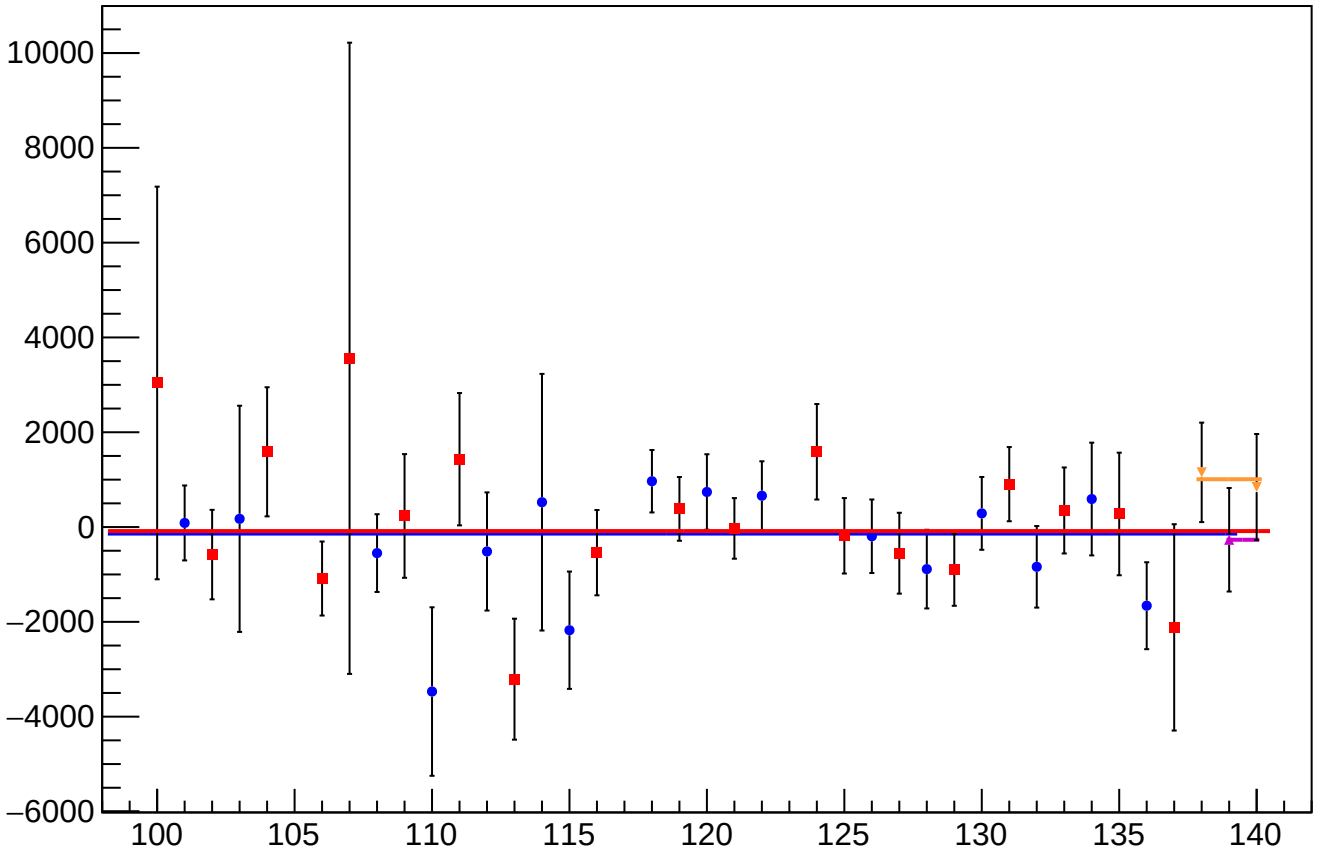
Left: 1805.956+/-0.813 χ^2/NDF: 21.5/2

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1921.236+/-0.487 χ^2/NDF:645777.2/16

Out: 1938.163+/-0.463 χ^2/NDF:402803.7/20

All: 1930.143+/-0.336 χ^2/NDF: 1049215.4/37



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 1008.849+/-765.333 χ^2/NDF:0.0/1

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -268.081+/-1092.212 χ^2/NDF:0.0/0

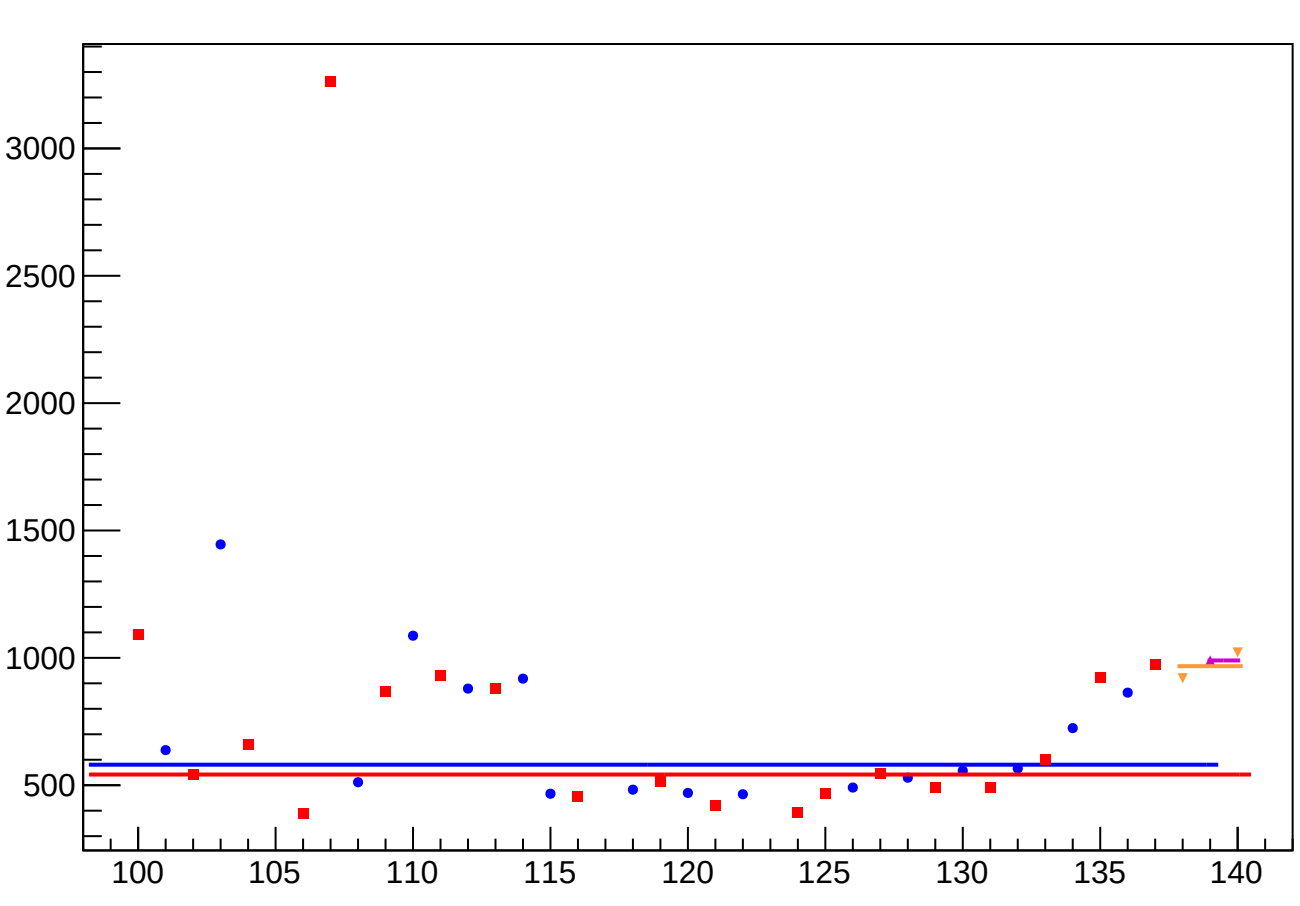
Left: 588.341+/-626.774 χ^2/NDF: 1.0/2

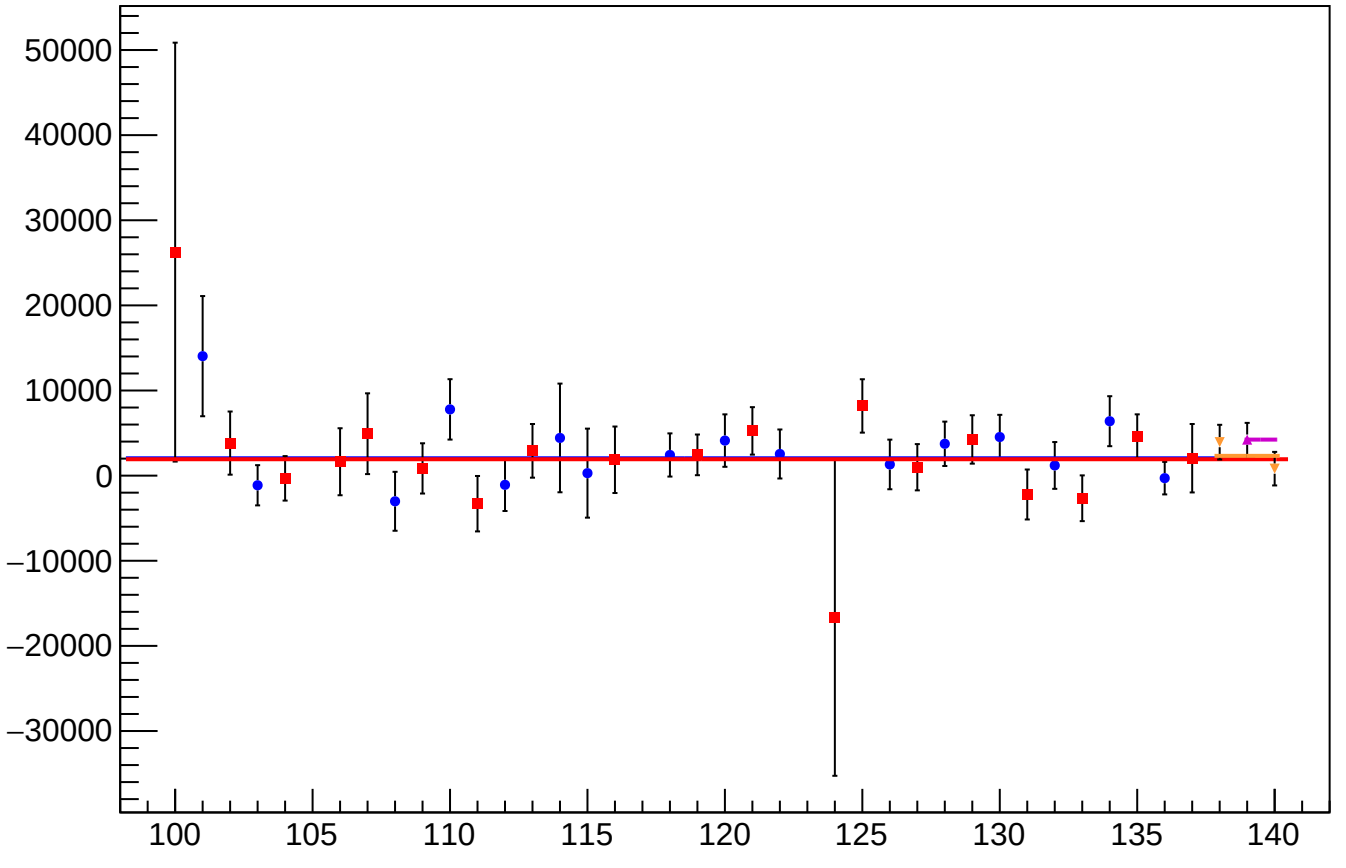
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -143.054+/-225.422 χ^2/NDF:16.9/16

Out: -0.142+/-213.106 χ^2/NDF:21.2/20

All: -67.587+/-154.859 χ^2/NDF: 38.3/37


asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
105
110
115
120
125
130
135
140
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 967.339+/-0.541 χ²/NDF:8712.0/1
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 989.759+/-0.772 χ²/NDF:0.0/0
Left: 974.722+/-0.443 χ²/NDF: 9277.3/2
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 597.951+/-0.159 χ²/NDF:1271724.6/16
Out: 574.921+/-0.151 χ²/NDF:1897561.9/20
All: 585.790+/-0.110 χ²/NDF: 3180309.5/37



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2323.376+/-1416.790 χ^2/NDF:1.2/1

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 4233.025+/-1964.371 χ^2/NDF:0.0/0

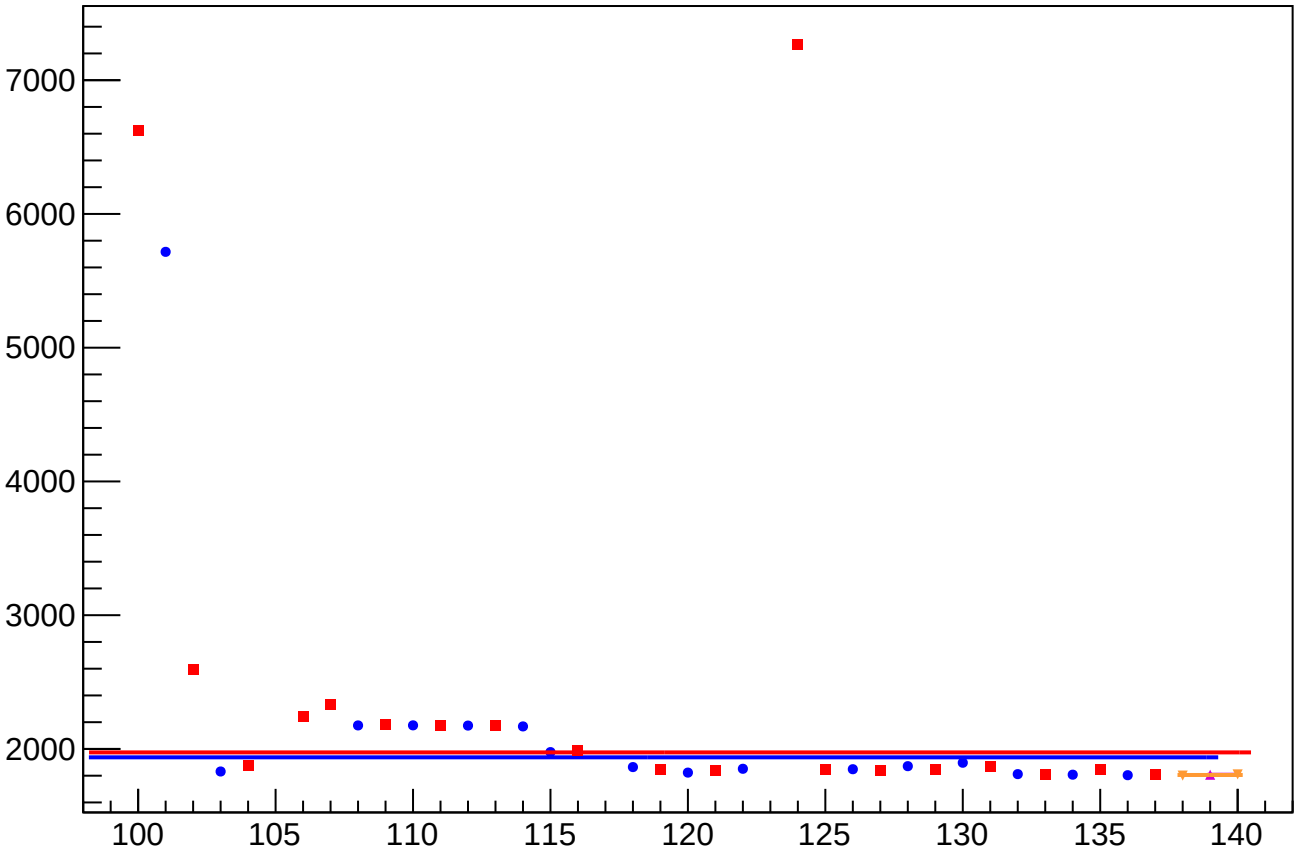
Left: 2976.836+/-1149.096 χ^2/NDF: 1.8/2

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2309.082+/-689.385 χ^2/NDF:17.5/16

Out: 2010.910+/-654.115 χ^2/NDF:19.7/20

All: 2152.174+/-474.508 χ^2/NDF: 37.3/37



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1805.301+/-1.002 χ^2/NDF:20.3/1

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1807.216+/-1.389 χ^2/NDF:0.0/0

Left: 1805.956+/-0.813 χ^2/NDF: 21.5/2

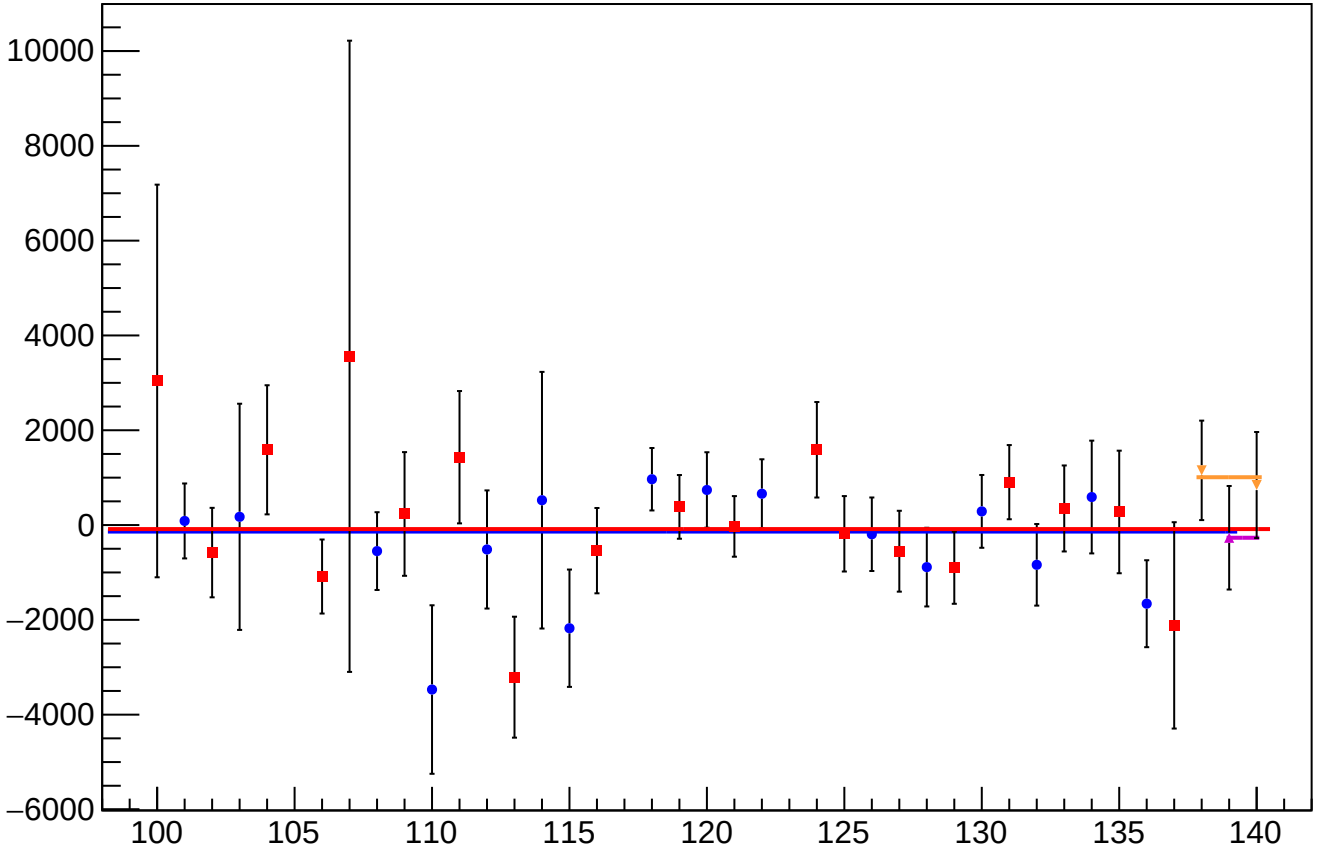
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1921.236+/-0.487 χ^2/NDF:645777.2/16

Out: 1938.163+/-0.463 χ^2/NDF:402803.7/20

All: 1930.143+/-0.336 χ^2/NDF: 1049215.4/37

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 1008.849+/-765.333 χ^2/NDF:0.0/1

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -268.081+/-1092.212 χ^2/NDF:0.0/0

Left: 588.341+/-626.774 χ^2/NDF: 1.0/2

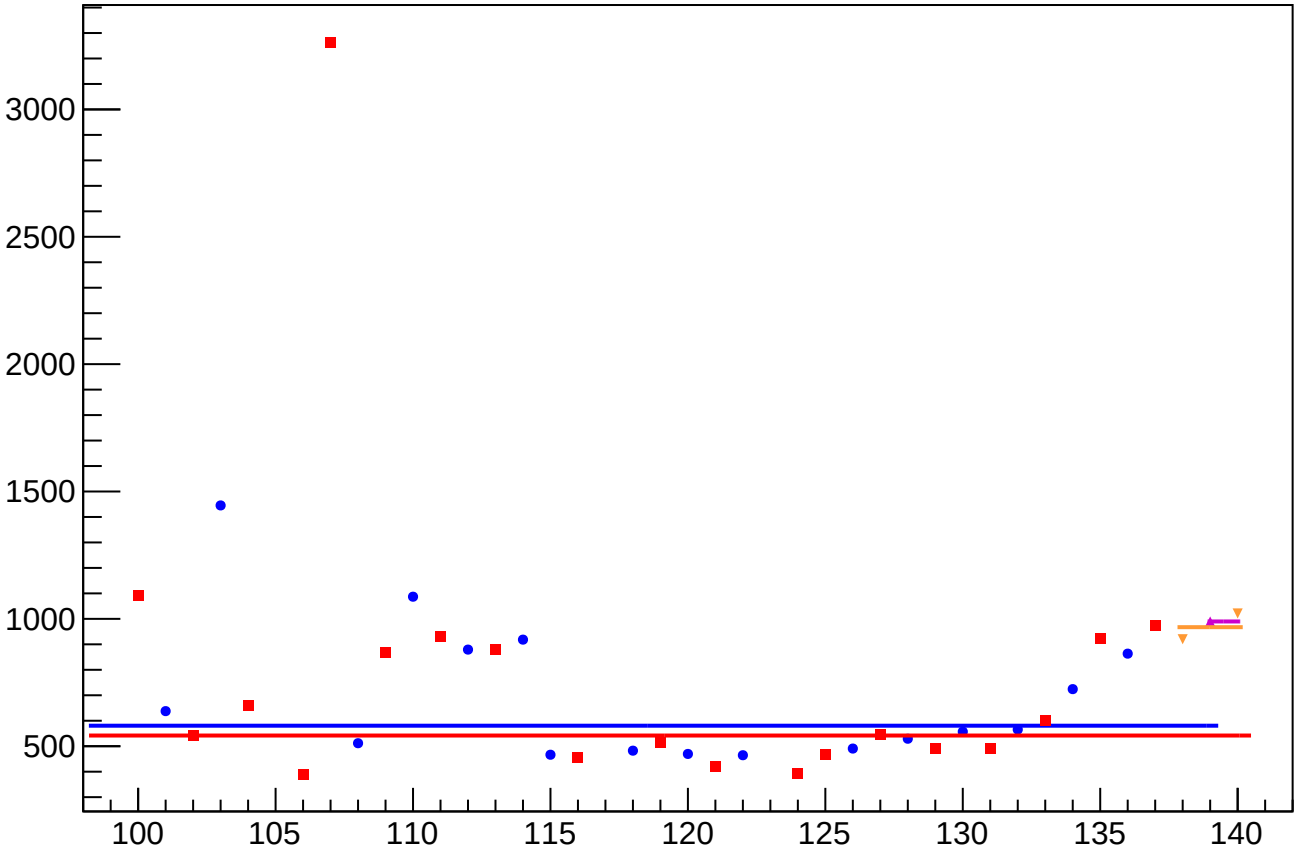
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -143.054+/-225.422 χ^2/NDF:16.9/16

Out: -0.142+/-213.106 χ^2/NDF:21.2/20

All: -67.587+/-154.859 χ^2/NDF: 38.3/37

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 967.339+/-0.541 χ^2/NDF:8712.0/1

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 989.759+/-0.772 χ^2/NDF:0.0/0

Left: 974.722+/-0.443 χ^2/NDF: 9277.3/2

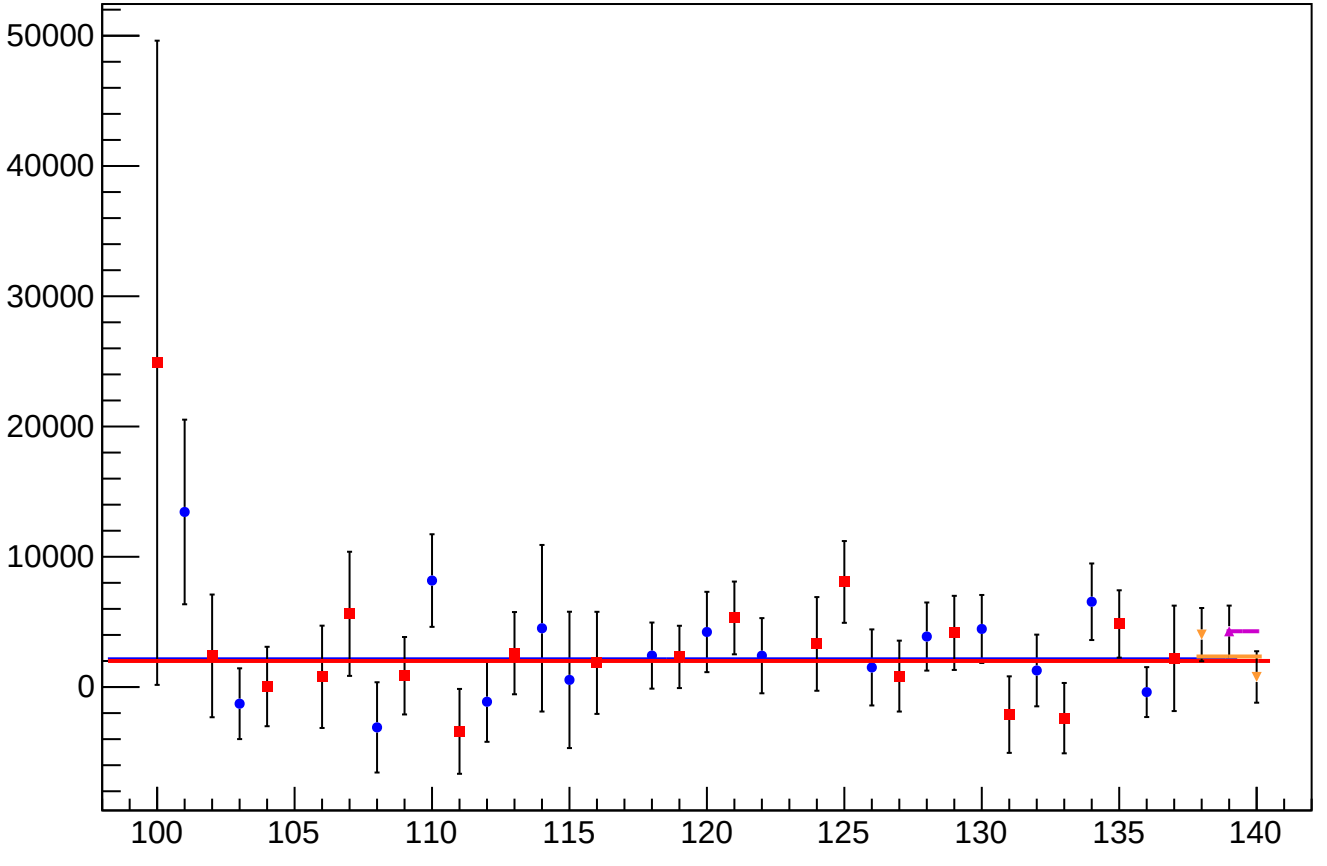
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 597.951+/-0.159 χ^2/NDF:1271724.6/16

Out: 574.921+/-0.151 χ^2/NDF:1897561.9/20

All: 585.790+/-0.110 χ^2/NDF: 3180309.5/37

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2345.078+/-1419.931 χ^2/NDF:1.3/1

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 4282.664+/-1969.680 χ^2/NDF:0.0/0

Left: 3007.676+/-1151.834 χ^2/NDF: 1.9/2

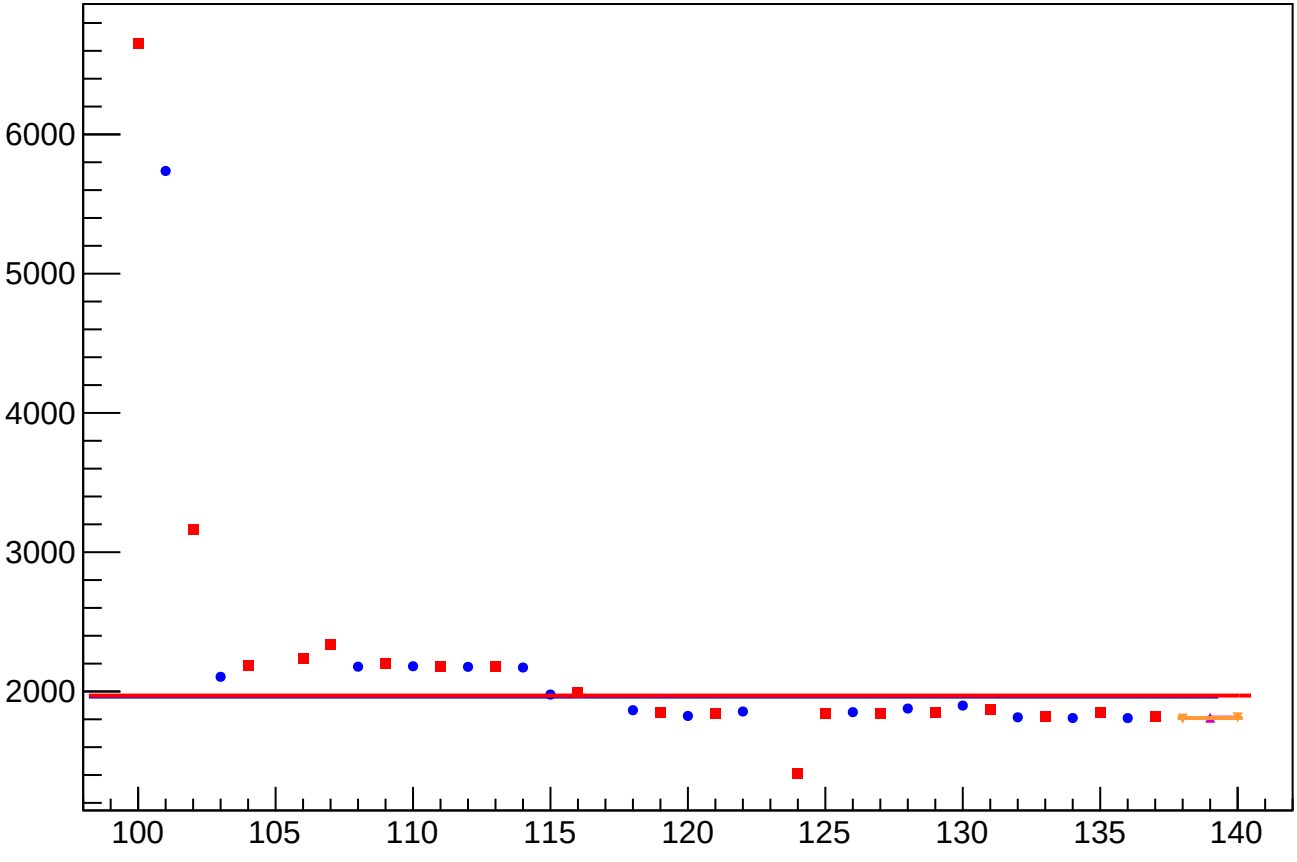
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2399.111+/-697.838 χ^2/NDF:17.5/16

Out: 2075.014+/-654.272 χ^2/NDF:18.1/20

All: 2226.631+/-477.299 χ^2/NDF: 35.8/37

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1809.275+/-1.004 χ^2/NDF:23.0/1

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1811.836+/-1.393 χ^2/NDF:0.0/0

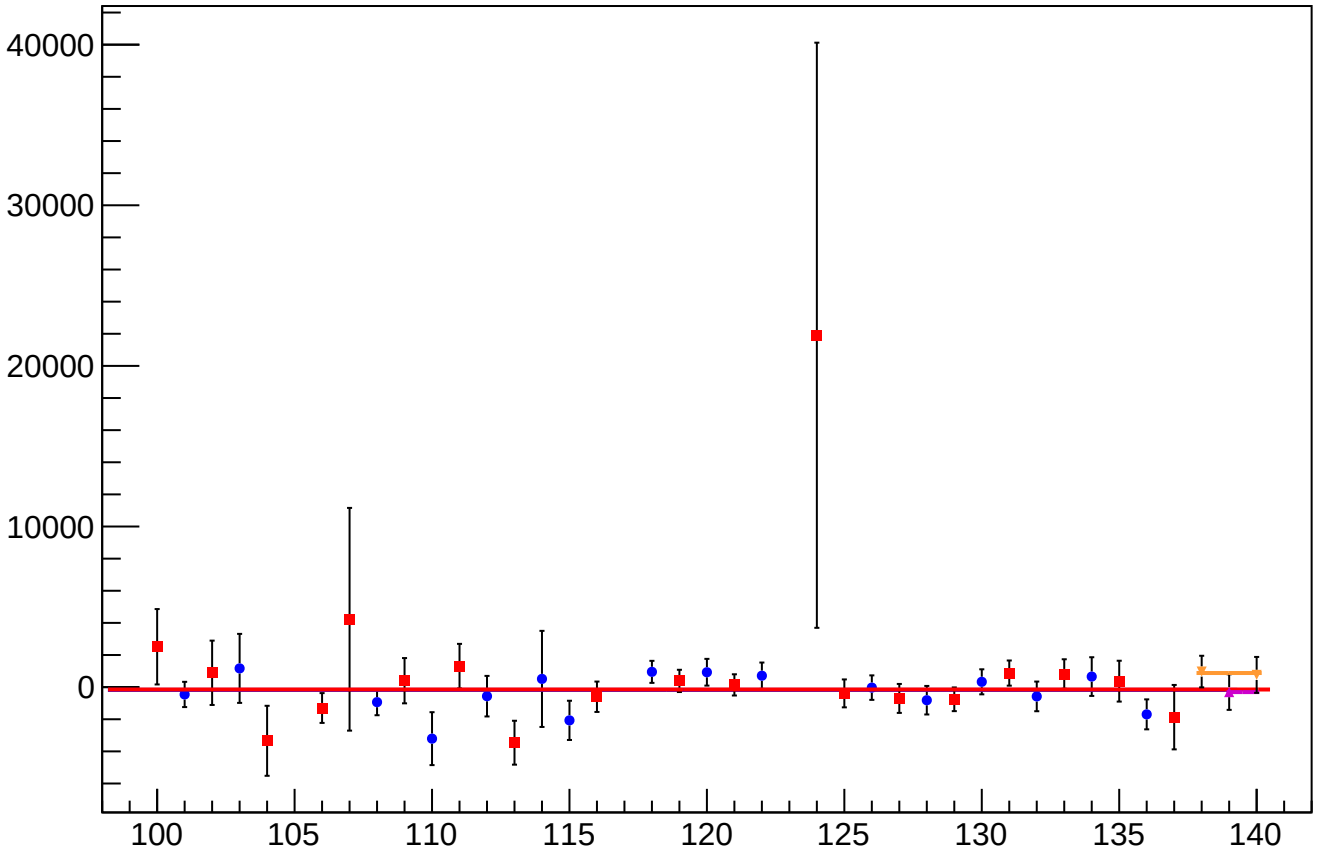
Left: 1810.151+/-0.814 χ^2/NDF: 25.2/2

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1944.389+/-0.493 χ^2/NDF:650611.8/16

Out: 1936.237+/-0.463 χ^2/NDF:365455.8/20

All: 1940.051+/-0.338 χ^2/NDF: 1016212.8/37



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: 879.055+/-738.453 χ^2/NDF:0.0/1

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: -308.467+/-1106.987 χ^2/NDF:0.0/0

Left: 513.348+/-614.312 χ^2/NDF: 0.8/2

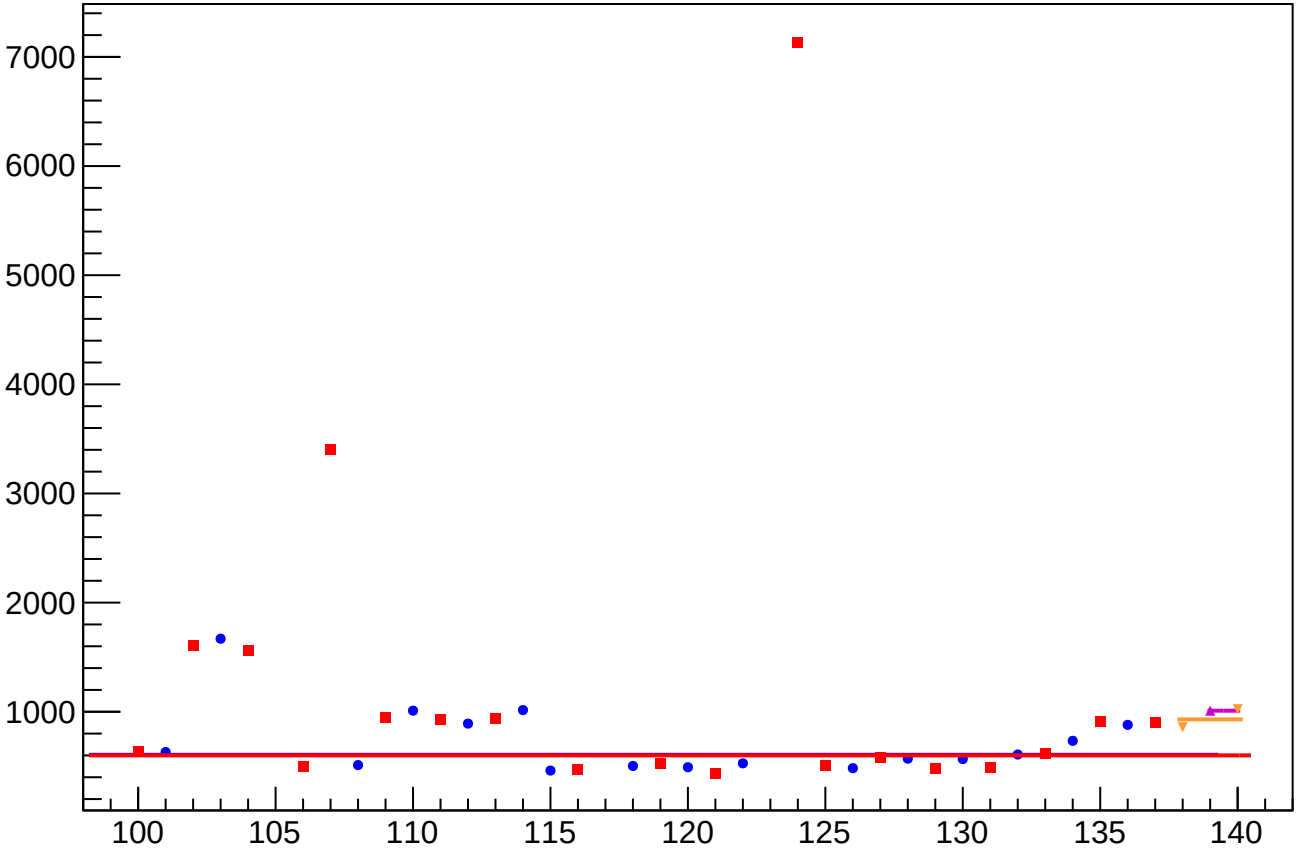
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -176.805+/-231.666 χ^2/NDF:17.3/16

Out: -47.305+/-230.693 χ^2/NDF:21.9/20

All: -111.782+/-163.468 χ^2/NDF: 39.3/37

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 930.171+/-0.522 χ^2/NDF:24466.5/1

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 1009.719+/-0.783 χ^2/NDF:0.0/0

Left: 954.669+/-0.434 χ^2/NDF: 31613.8/2

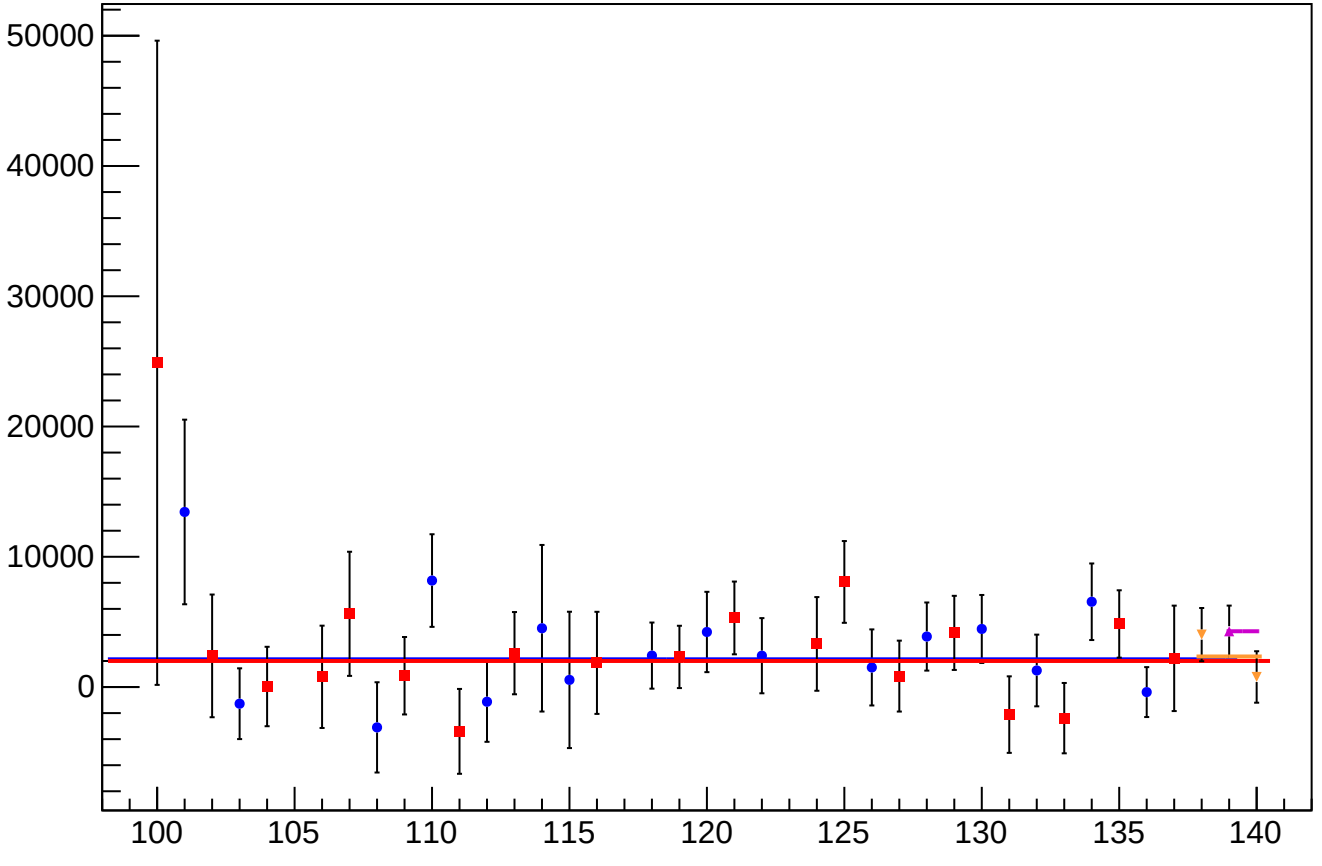
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 623.136+/-0.164 χ^2/NDF:1417537.2/16

Out: 632.626+/-0.163 χ^2/NDF:2712812.8/20

All: 627.901+/-0.116 χ^2/NDF: 4132035.1/37

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2345.079+/-1419.931 χ^2/NDF:1.3/1

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 4282.663+/-1969.679 χ^2/NDF:0.0/0

Left: 3007.676+/-1151.834 χ^2/NDF: 1.9/2

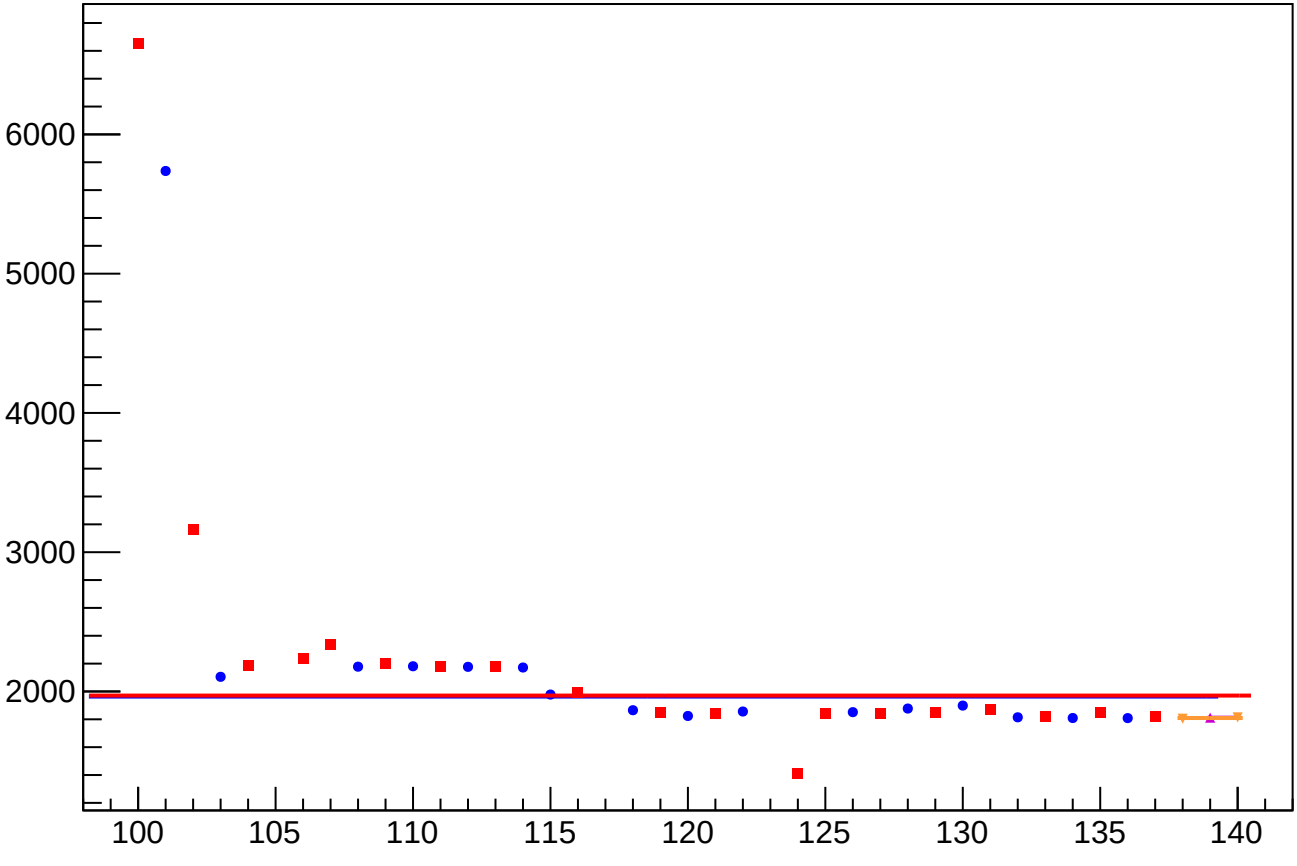
Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2399.109+/-697.838 χ^2/NDF:17.5/16

Out: 2075.013+/-654.272 χ^2/NDF:18.1/20

All: 2226.629+/-477.299 χ^2/NDF: 35.8/37

eigen_dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1809.275+/-1.004 χ^2/NDF:23.0/1

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1811.836+/-1.393 χ^2/NDF:0.0/0

Left: 1810.151+/-0.814 χ^2/NDF: 25.2/2

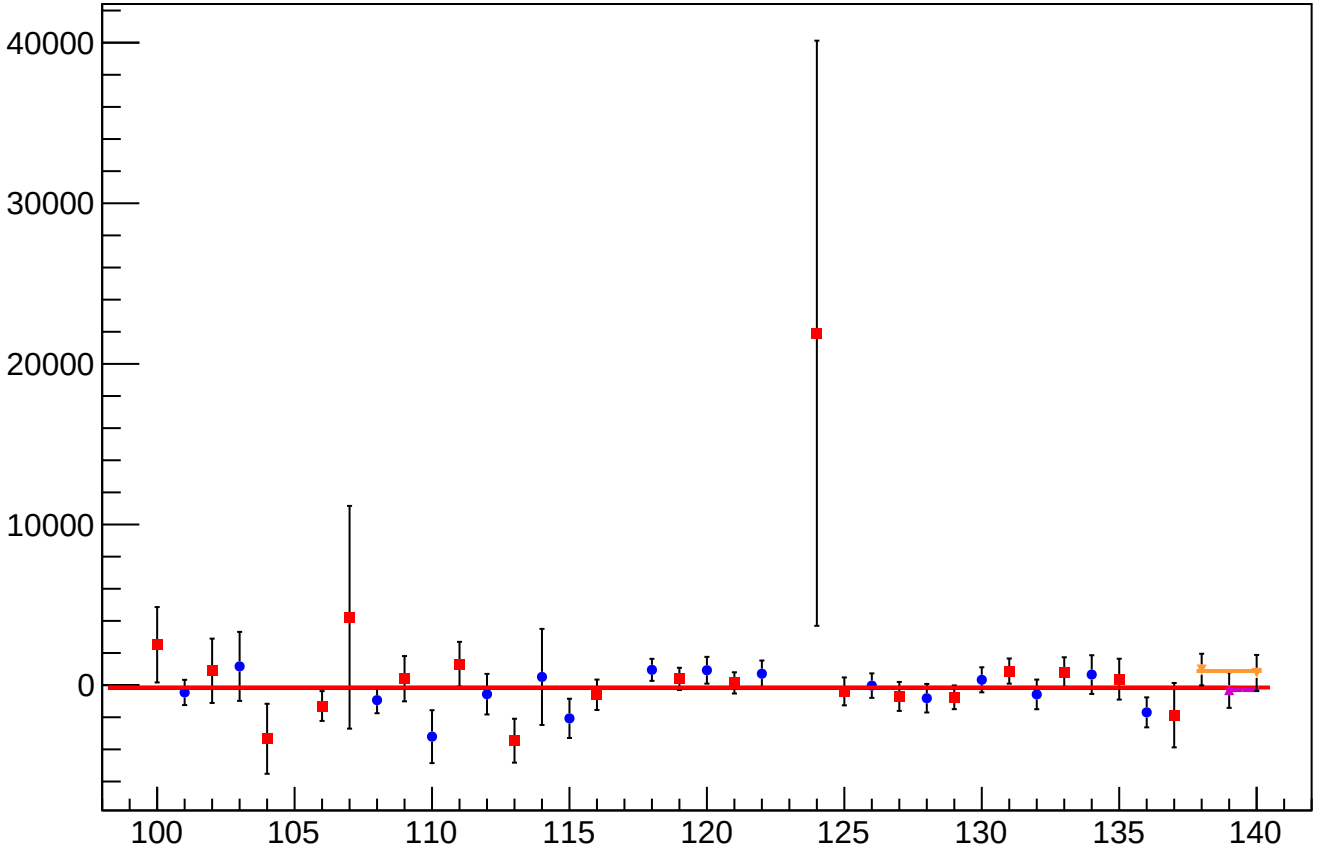
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1944.388+/-0.493 χ^2/NDF:650611.5/16

Out: 1936.237+/-0.463 χ^2/NDF:365454.4/20

All: 1940.050+/-0.338 χ^2/NDF: 1016211.2/37

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: 879.057+/-738.453 χ^2/NDF:0.0/1

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: -308.469+/-1106.987 χ^2/NDF:0.0/0

Left: 513.348+/-614.312 χ^2/NDF: 0.8/2

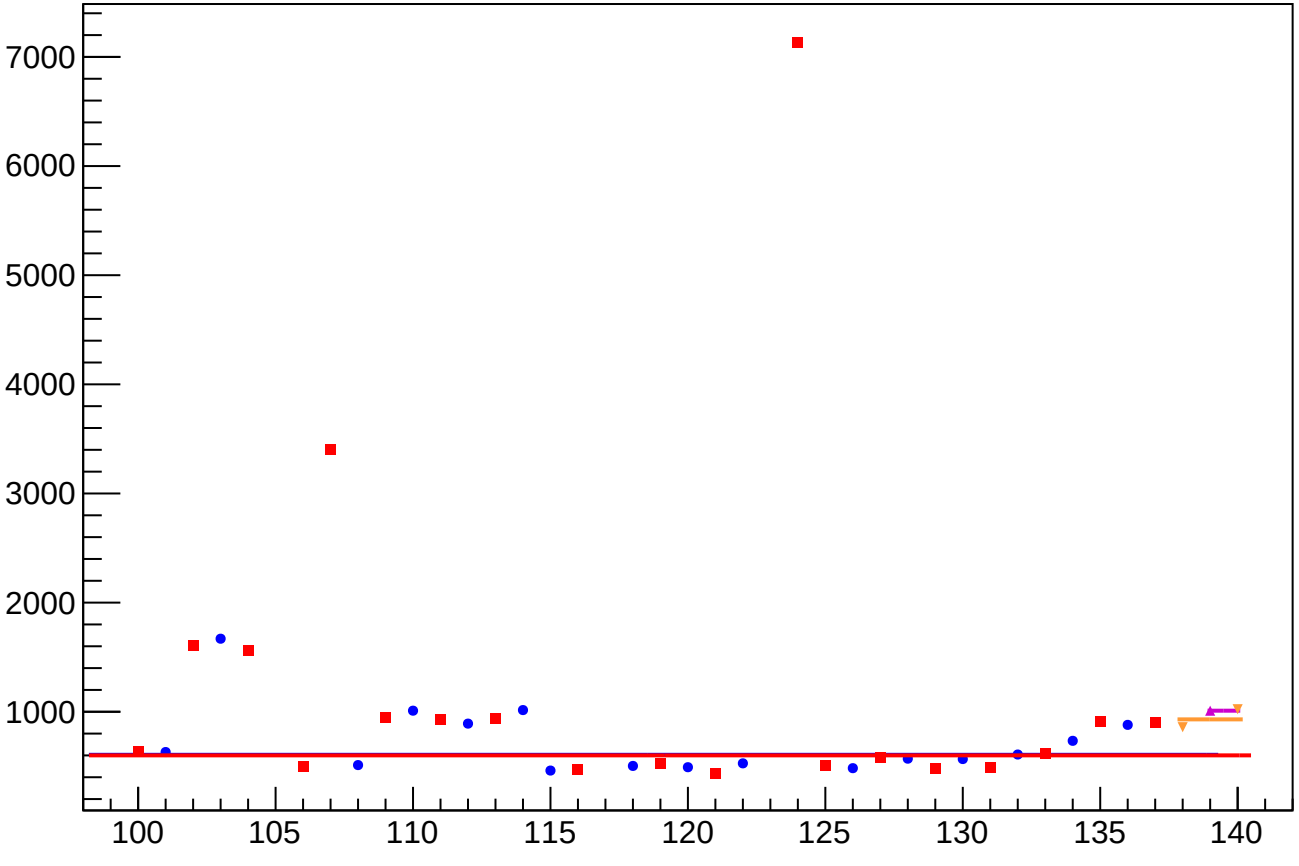
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -176.804+/-231.666 χ^2/NDF:17.3/16

Out: -47.304+/-230.693 χ^2/NDF:21.9/20

All: -111.781+/-163.467 χ^2/NDF: 39.3/37

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 930.171+/-0.522 χ^2/NDF:24466.9/1

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 1009.720+/-0.783 χ^2/NDF:0.0/0

Left: 954.669+/-0.434 χ^2/NDF: 31614.1/2

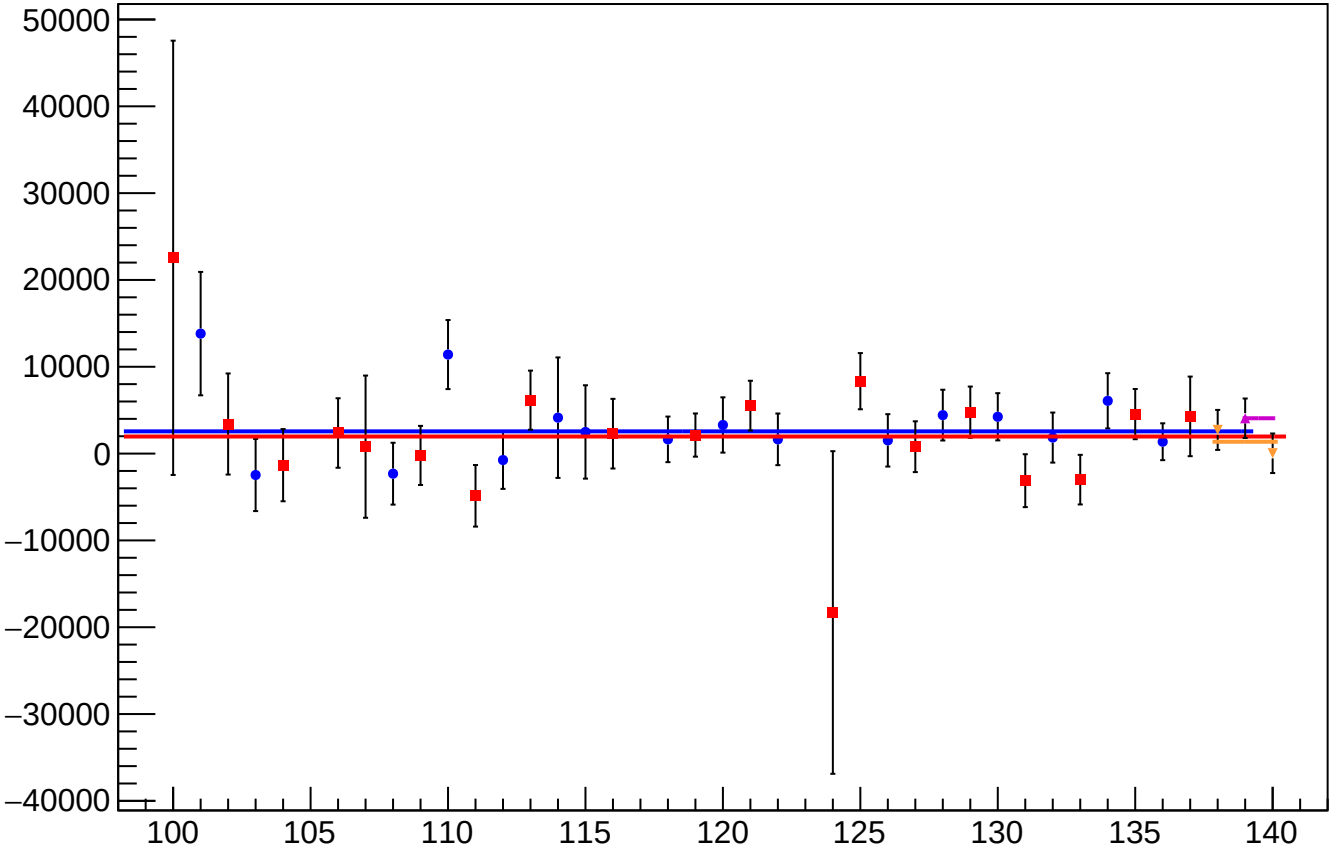
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 623.135+/-0.164 χ^2/NDF:1417546.6/16

Out: 632.625+/-0.163 χ^2/NDF:2712823.5/20

All: 627.900+/-0.116 χ^2/NDF: 4132055.3/37

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1366.074+/-1619.159 χ^2/NDF:0.7/1

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 4069.973+/-2273.600 χ^2/NDF:0.0/0

Left: 2275.946+/-1318.891 χ^2/NDF: 1.6/2

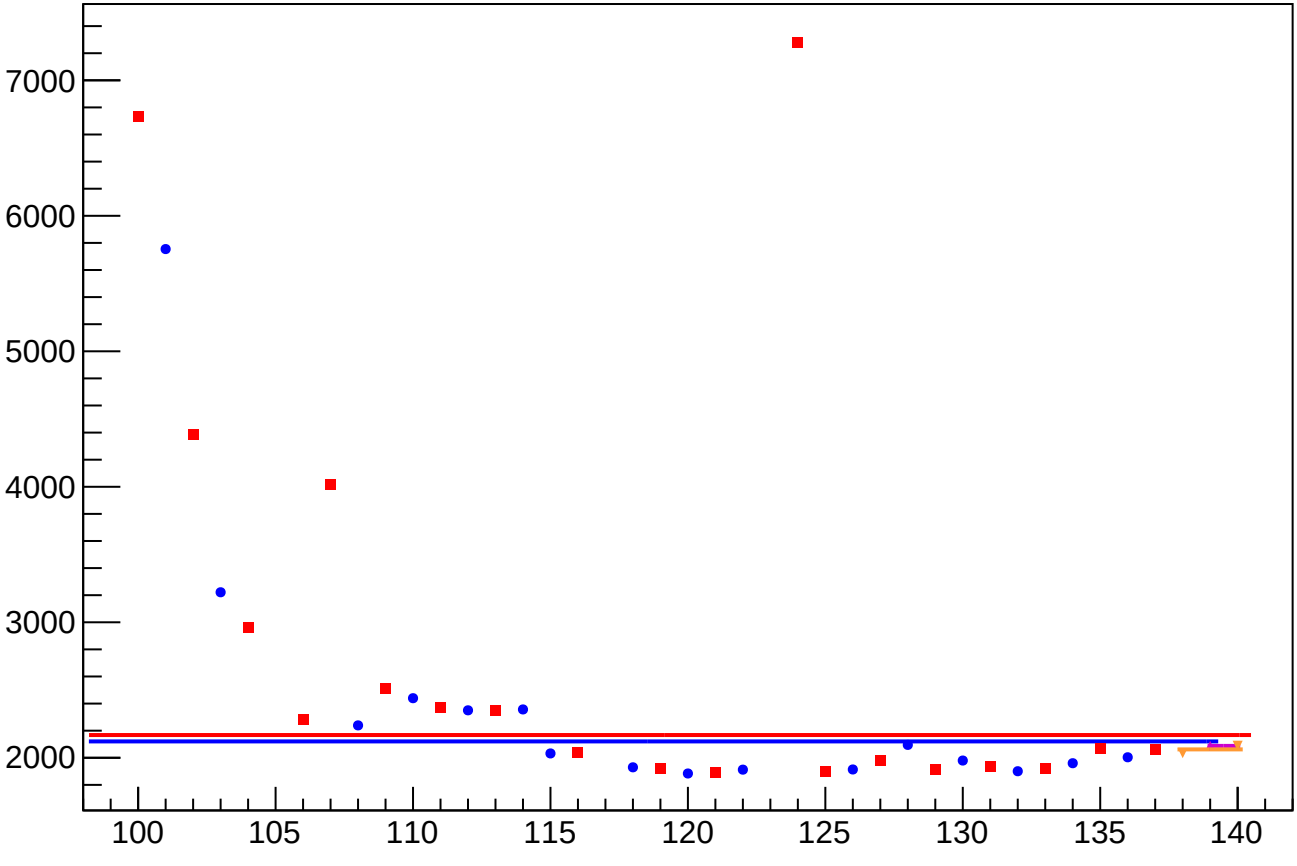
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2730.800+/-762.738 χ^2/NDF:15.0/16

Out: 1844.399+/-730.713 χ^2/NDF:22.4/20

All: 2268.601+/-527.650 χ^2/NDF: 38.1/37

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2061.876+/-1.145 χ^2/NDF:565.3/1

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2087.608+/-1.608 χ^2/NDF:0.0/0

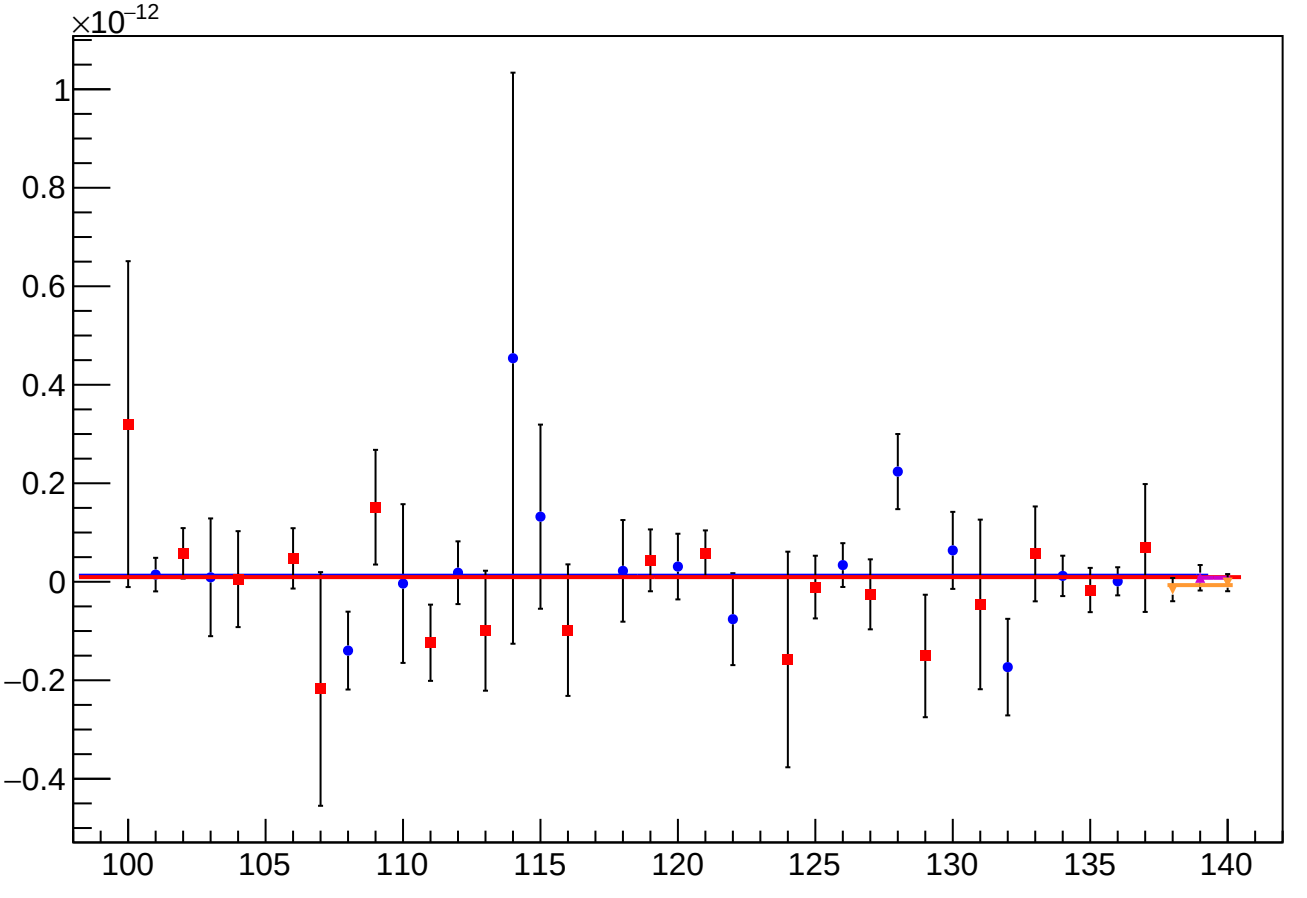
Left: 2070.535+/-0.933 χ^2/NDF: 735.3/2

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2117.045+/-0.539 χ^2/NDF:760346.9/16

Out: 2146.259+/-0.517 χ^2/NDF:831312.1/20

All: 2132.278+/-0.373 χ^2/NDF: 1593188.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

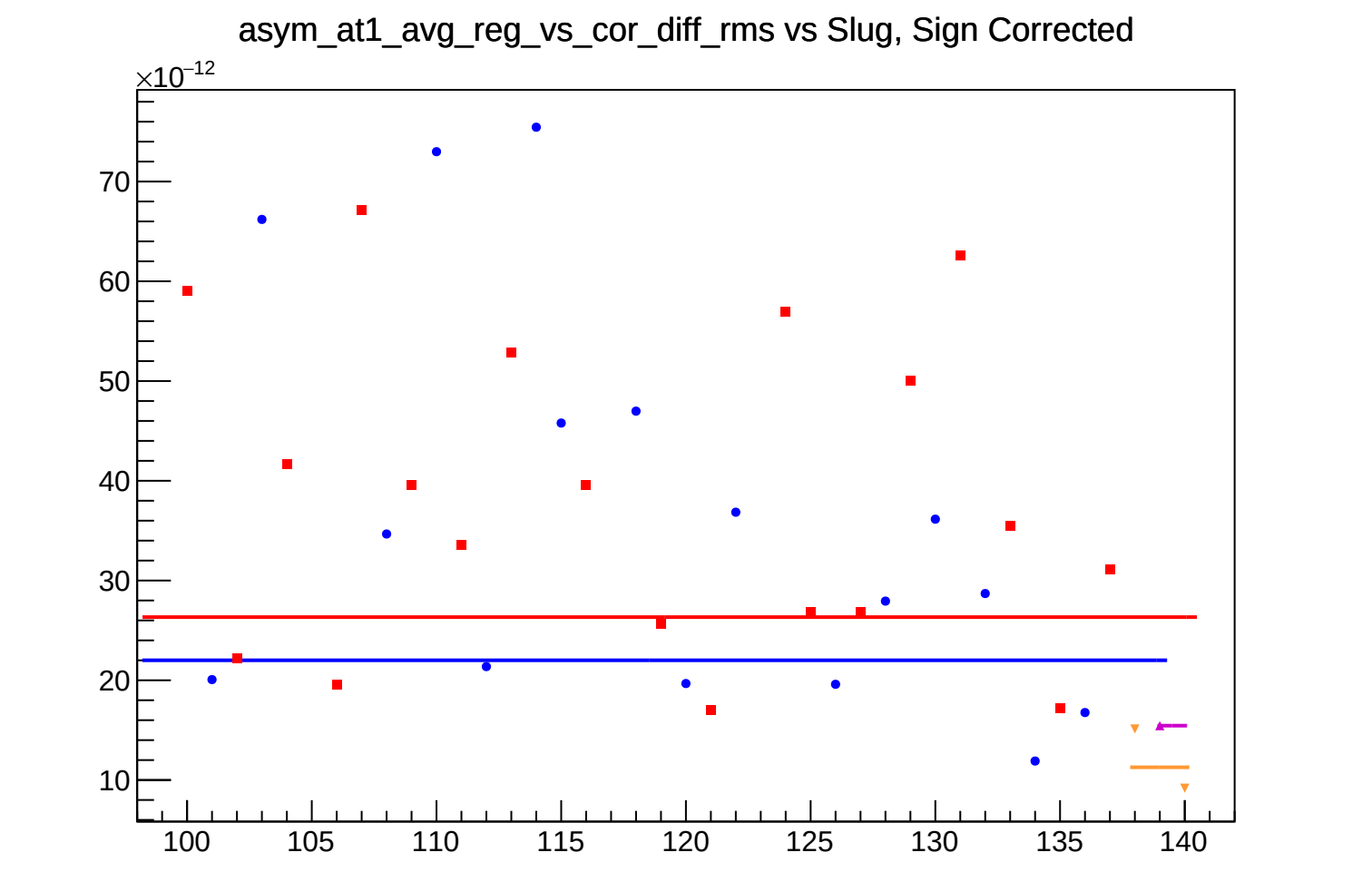
Left: -0.000+/-0.000 χ^2/NDF: 0.5/2

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: 0.000+/-0.000 χ^2/NDF:17.8/16

Out: -0.000+/-0.000 χ^2/NDF:14.5/20

All: 0.000+/-0.000 χ^2/NDF: 32.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:82222.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

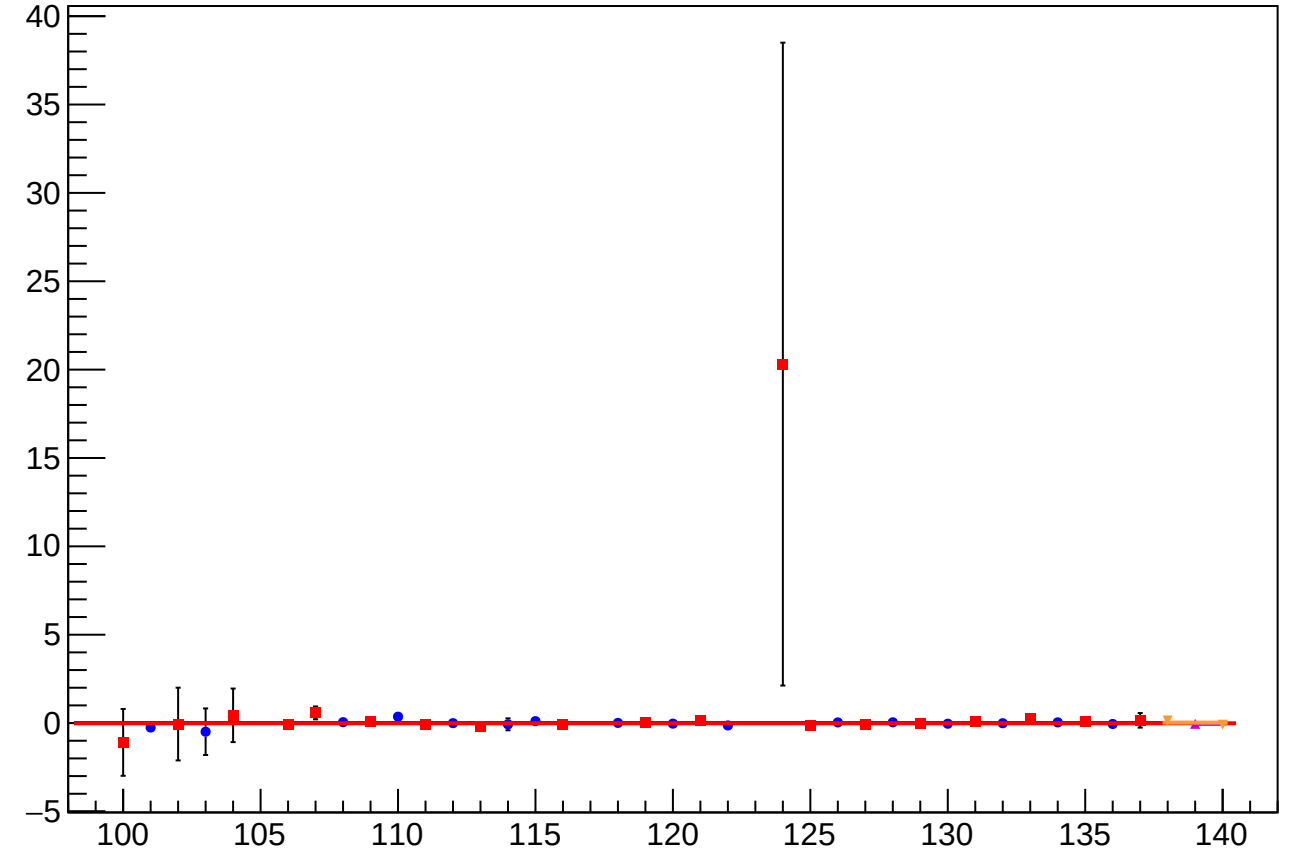
Left: 0.000+/-0.000 χ^2/NDF: 122474.6/2

Right: 0.000+/-0.000 χ^2/NDF: 1806874.5/34

In: 0.000+/-0.000 χ^2/NDF:1129571.9/16

Out: 0.000+/-0.000 χ^2/NDF:1657004.3/20

All: 0.000+/-0.000 χ^2/NDF: 2870276.4/37



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.027+/-0.067 χ^2/NDF:3.1/1

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.040+/-0.068 χ^2/NDF:0.0/0

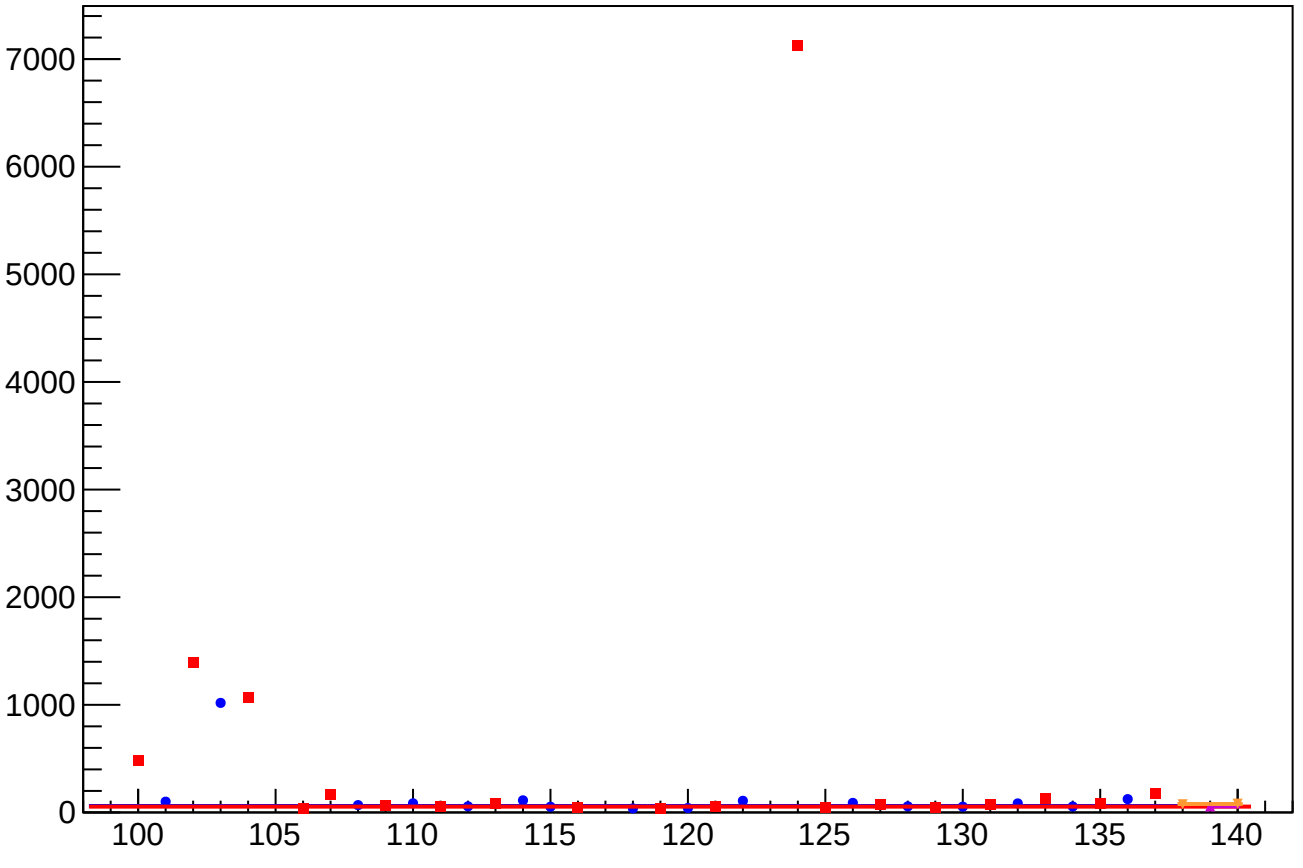
Left: -0.006+/-0.048 χ^2/NDF: 3.6/2

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.002+/-0.025 χ^2/NDF:11.7/16

Out: -0.008+/-0.024 χ^2/NDF:21.0/20

All: -0.005+/-0.017 χ^2/NDF: 32.8/37



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 78.626+/-0.047 χ^2/NDF:3374.7/1

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 56.332+/-0.048 χ^2/NDF:0.0/0

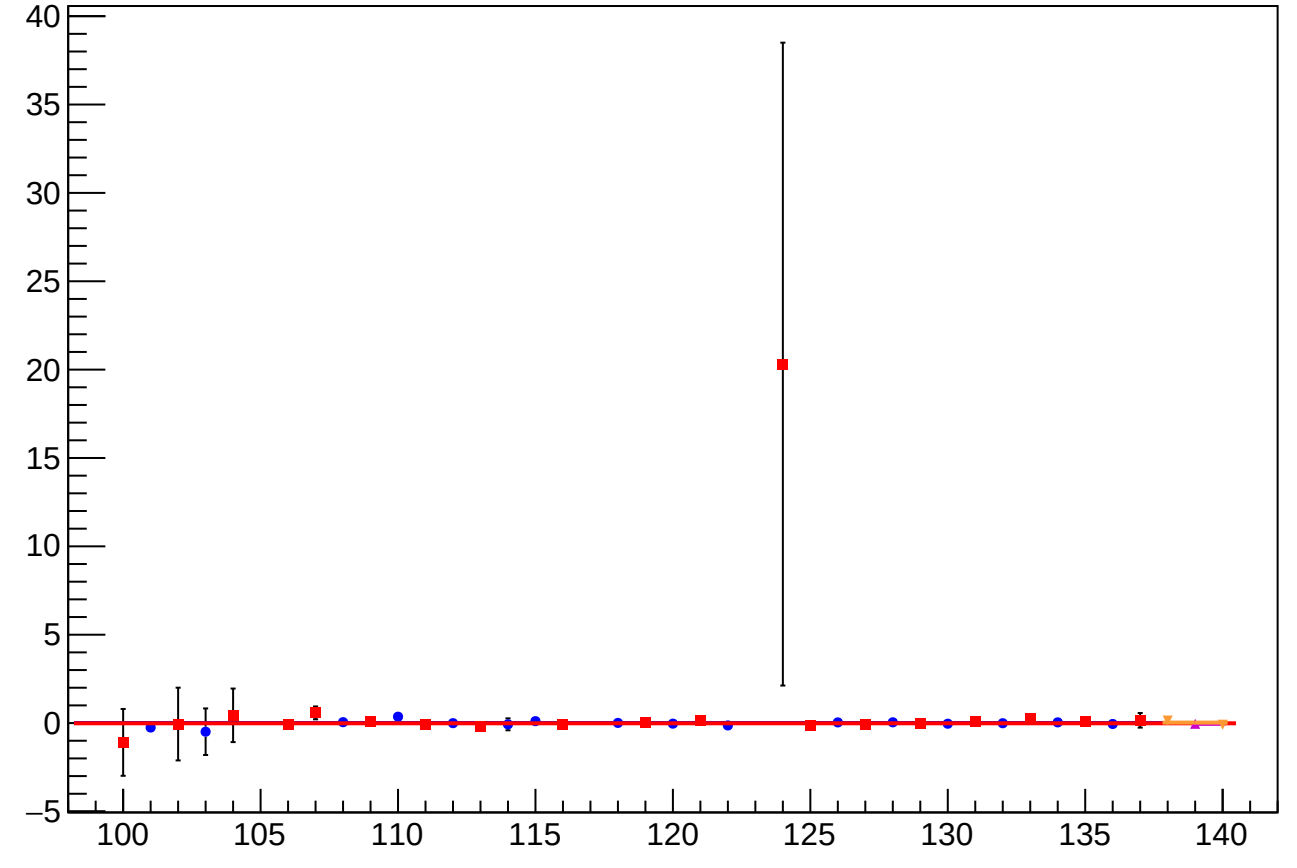
Left: 67.670+/-0.034 χ^2/NDF: 112690.5/2

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 59.371+/-0.018 χ^2/NDF:2543476.9/16

Out: 57.411+/-0.017 χ^2/NDF:3756403.5/20

All: 58.359+/-0.012 χ^2/NDF: 6306290.0/37



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.027+/-0.067 χ^2/NDF:3.1/1

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.040+/-0.068 χ^2/NDF:0.0/0

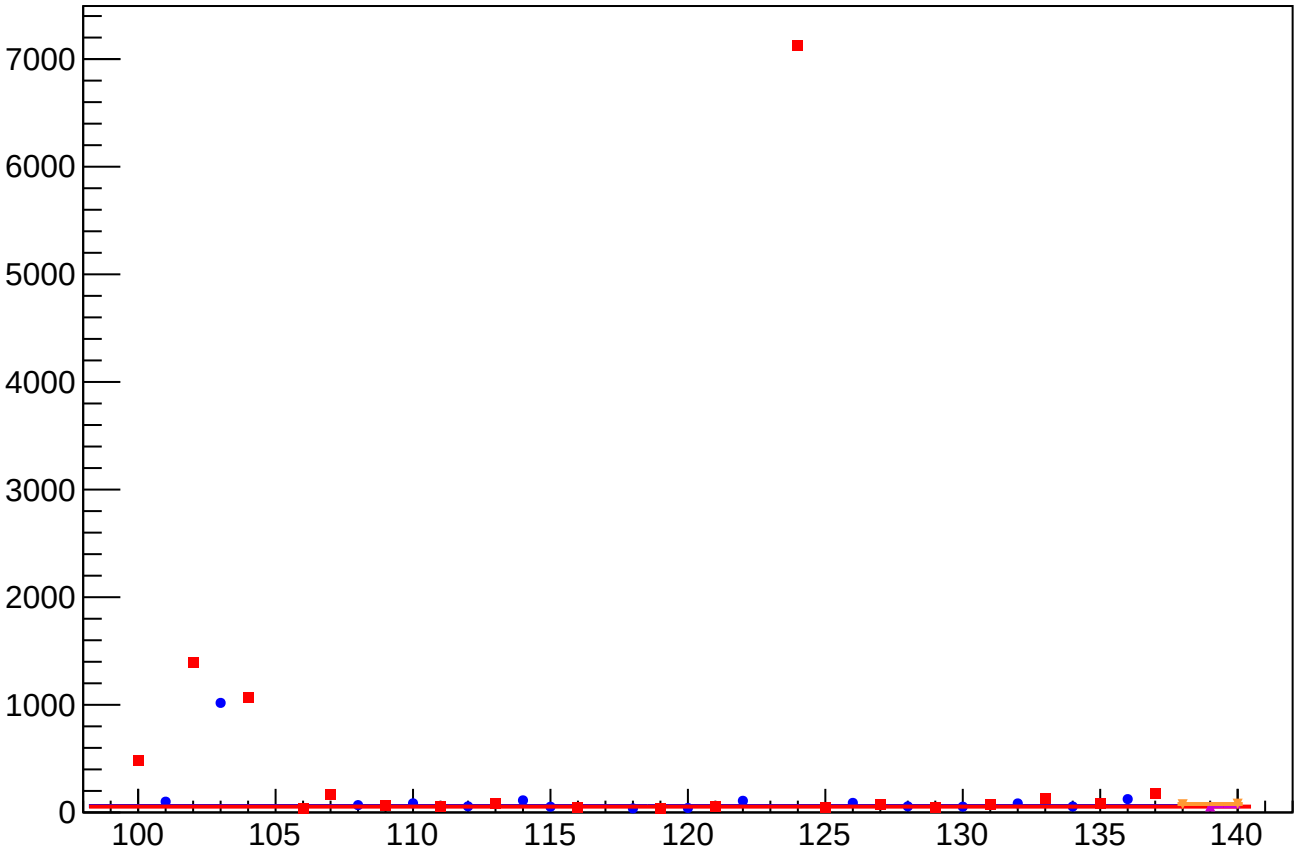
Left: -0.006+/-0.048 χ^2/NDF: 3.6/2

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.002+/-0.025 χ^2/NDF:11.7/16

Out: -0.008+/-0.024 χ^2/NDF:21.0/20

All: -0.005+/-0.017 χ^2/NDF: 32.8/37



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 78.626+/-0.047 χ^2/NDF:3374.7/1

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 56.332+/-0.048 χ^2/NDF:0.0/0

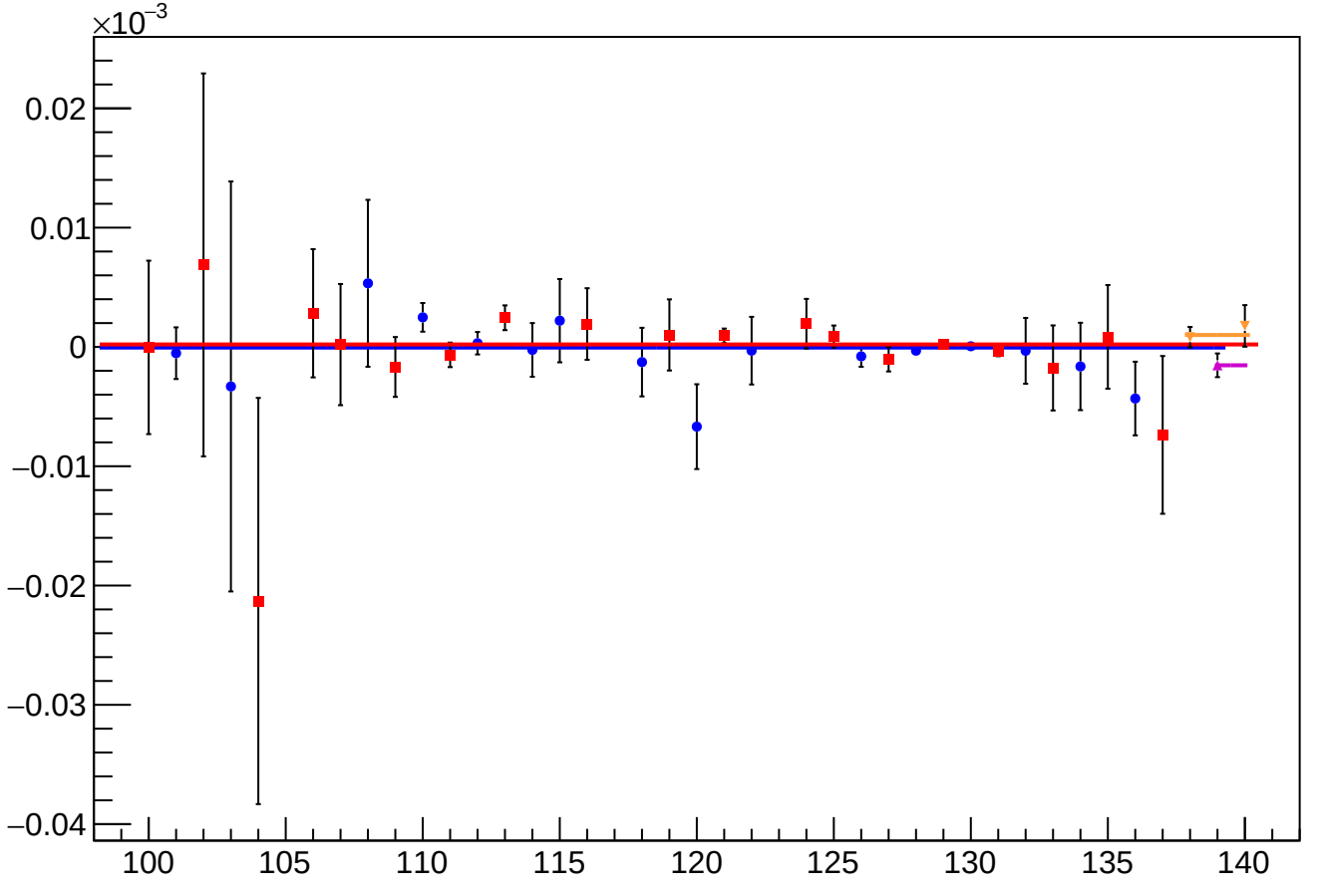
Left: 67.670+/-0.034 χ^2/NDF: 112690.5/2

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 59.371+/-0.018 χ^2/NDF:2543476.9/16

Out: 57.411+/-0.017 χ^2/NDF:3756403.5/20

All: 58.359+/-0.012 χ^2/NDF: 6306290.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

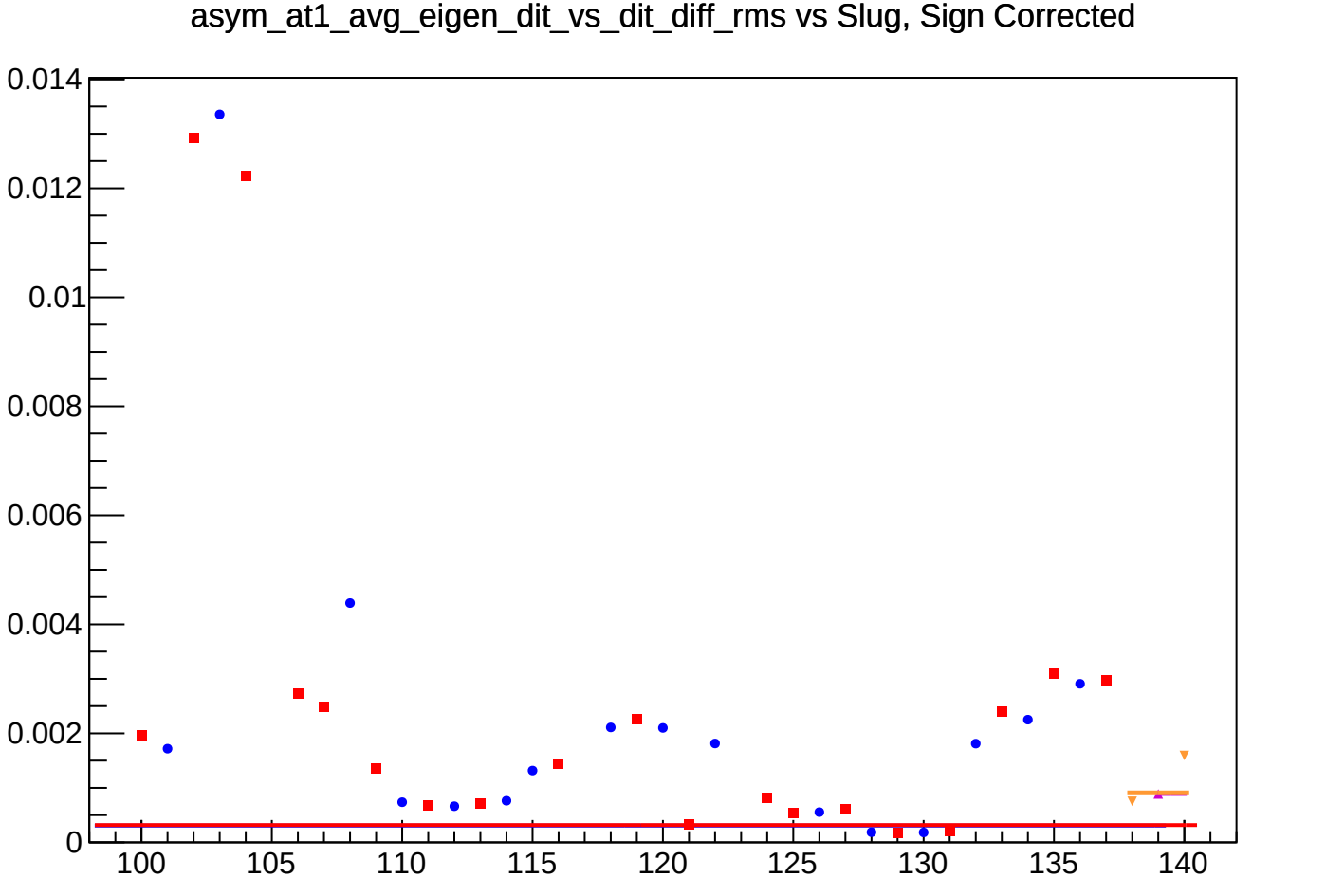
Left: 0.000+/-0.000 χ^2/NDF: 4.3/2

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:15.0/16

Out: 0.000+/-0.000 χ^2/NDF:16.9/20

All: 0.000+/-0.000 χ^2/NDF: 33.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:375267.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:0.0/0

Left: 0.001+/-0.000 χ^2/NDF: 376338.2/2

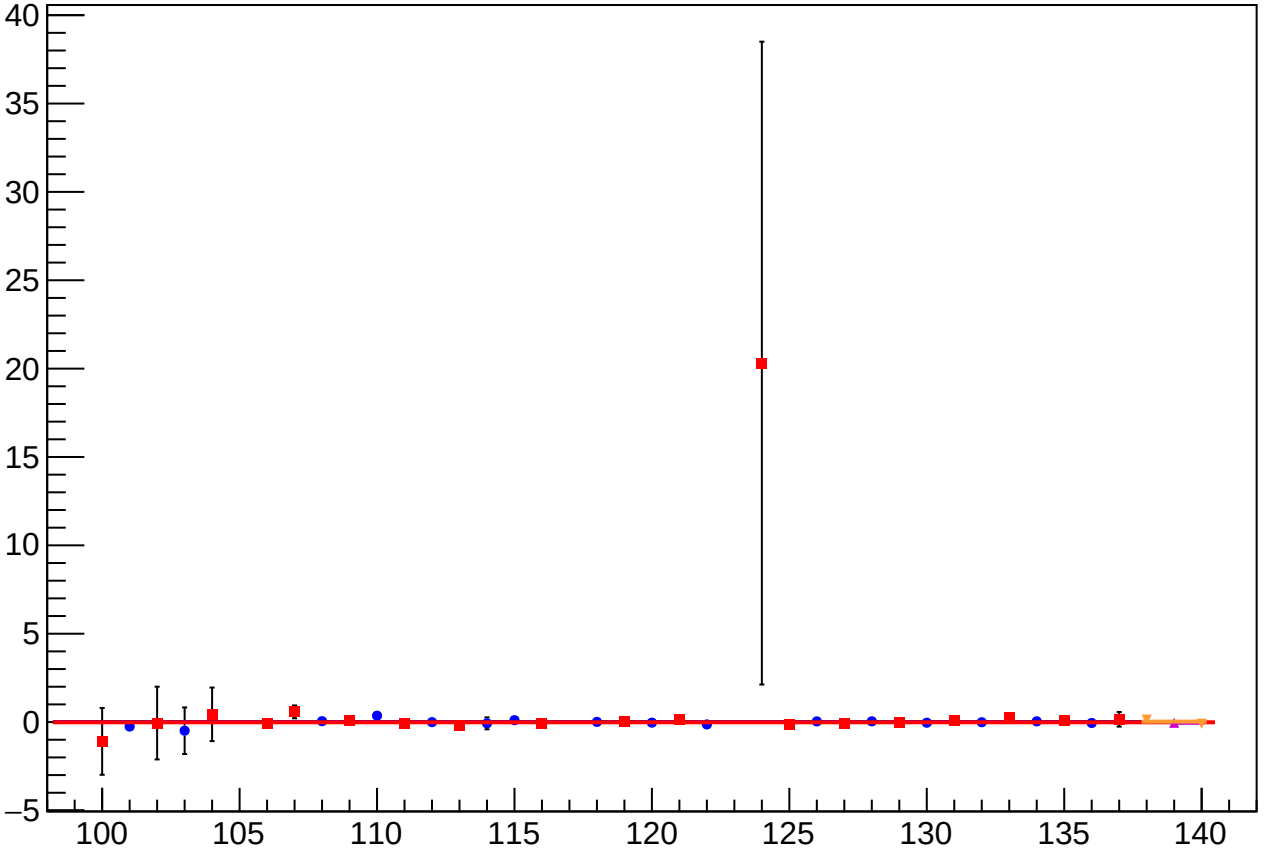
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:9411668.7/16

Out: 0.000+/-0.000 χ^2/NDF:9534873.2/20

All: 0.000+/-0.000 χ^2/NDF: 18961714.8/37

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.027+/-0.067 χ^2/NDF:3.1/1

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.040+/-0.068 χ^2/NDF:0.0/0

Left: -0.006+/-0.048 χ^2/NDF: 3.6/2

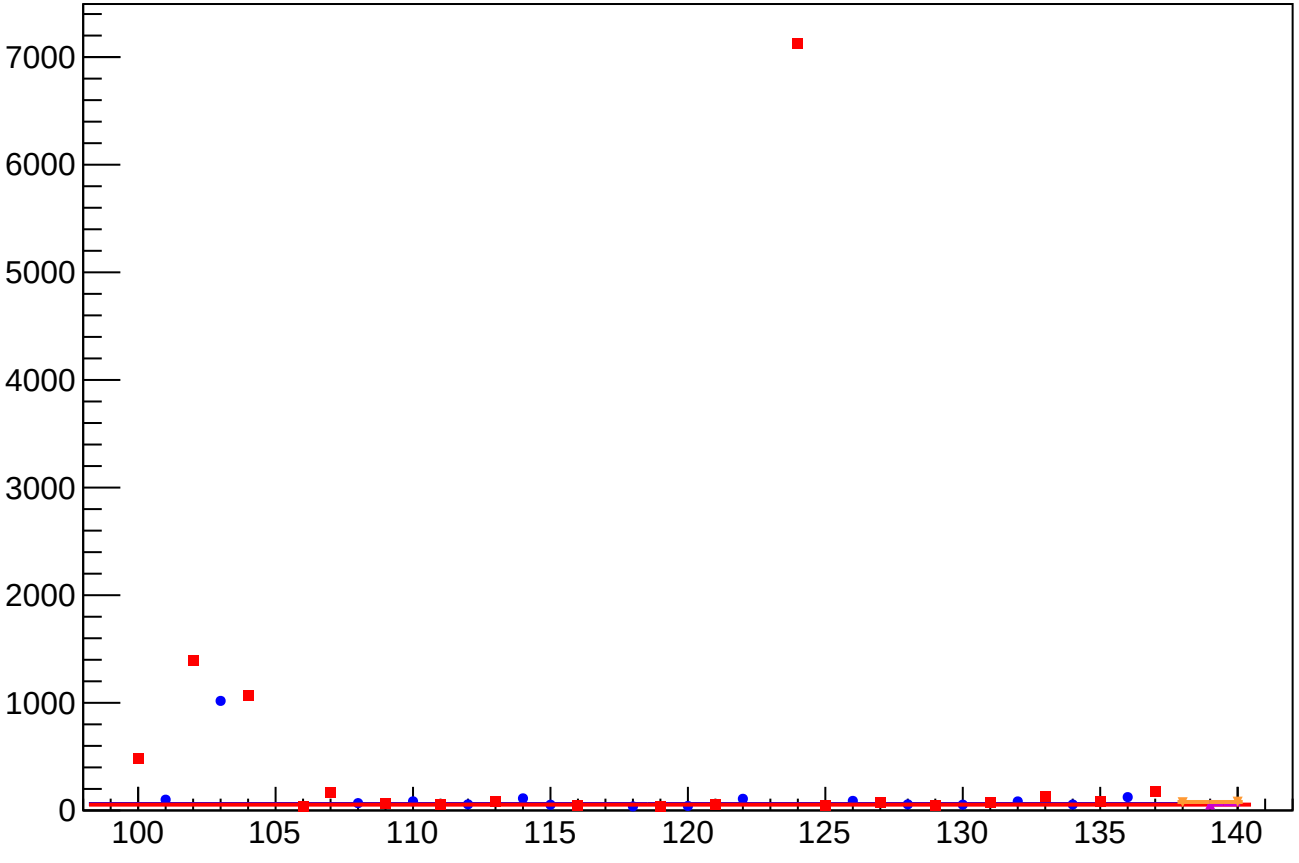
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.002+/-0.025 χ^2/NDF:11.7/16

Out: -0.008+/-0.024 χ^2/NDF:21.0/20

All: -0.005+/-0.017 χ^2/NDF: 32.8/37

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 78.626+/-0.047 χ^2/NDF:3373.9/1

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 56.332+/-0.048 χ^2/NDF:0.0/0

Left: 67.669+/-0.034 χ^2/NDF: 112689.7/2

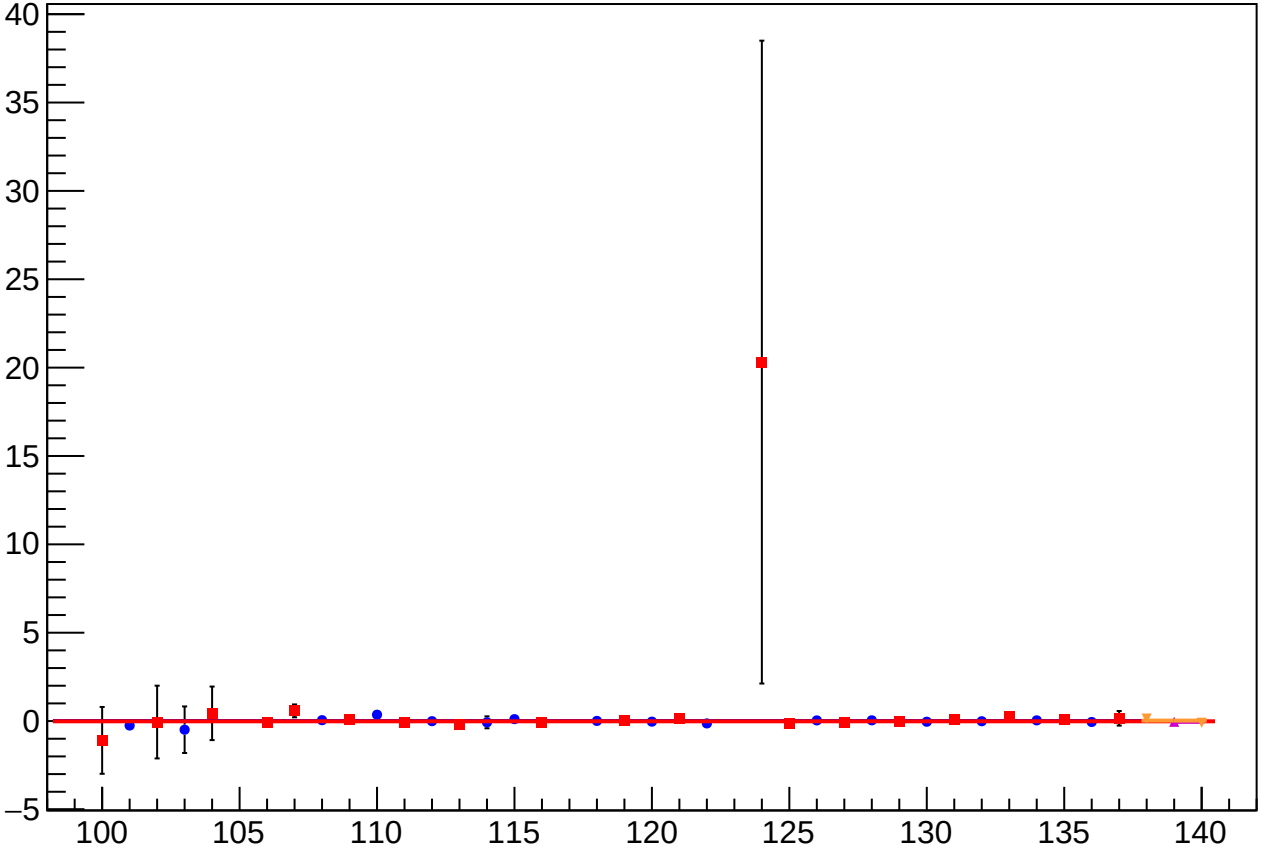
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 59.370+/-0.018 χ^2/NDF:2543490.4/16

Out: 57.410+/-0.017 χ^2/NDF:3756481.4/20

All: 58.359+/-0.012 χ^2/NDF: 6306386.8/37

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.027+/-0.067 χ^2/NDF:3.1/1

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.040+/-0.068 χ^2/NDF:0.0/0

Left: -0.006+/-0.048 χ^2/NDF: 3.6/2

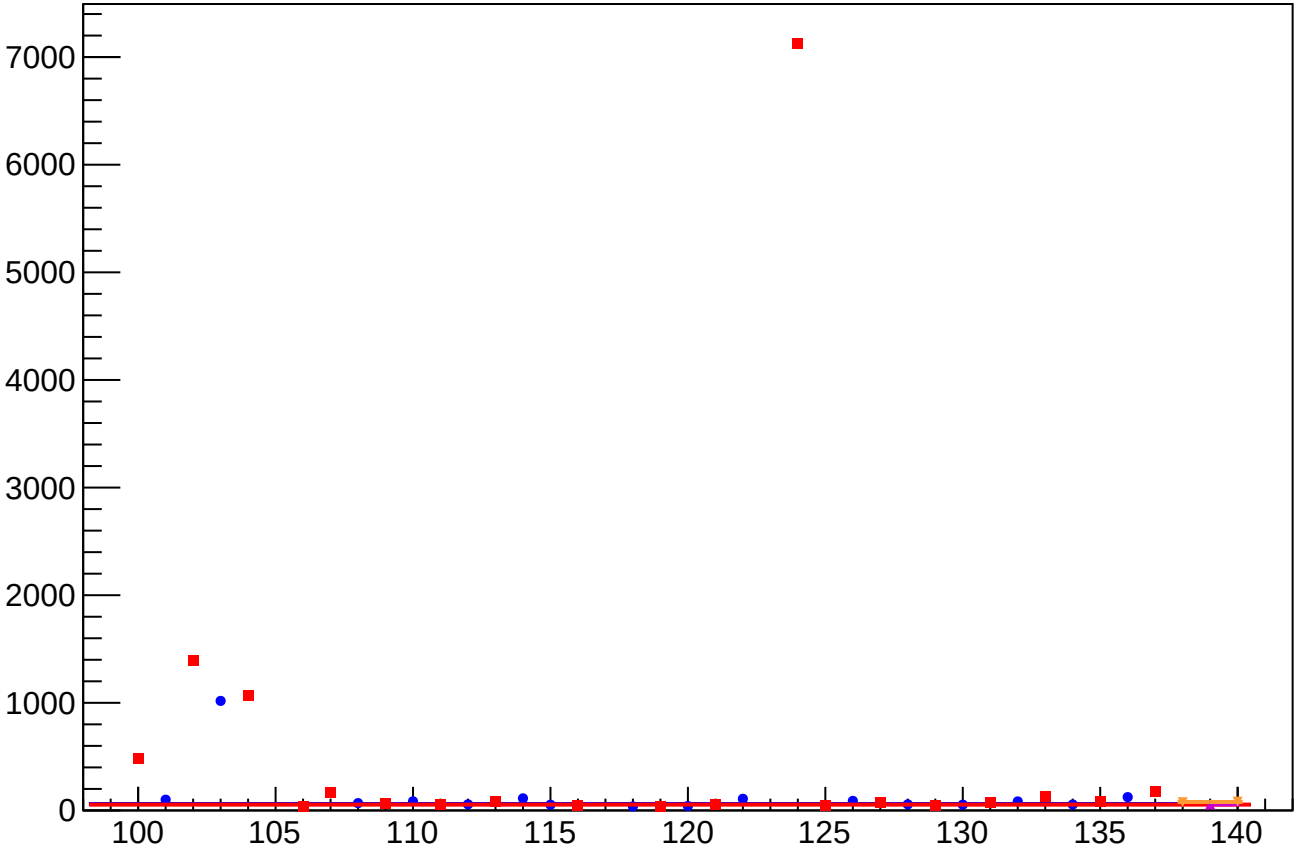
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.002+/-0.025 χ^2/NDF:11.7/16

Out: -0.008+/-0.024 χ^2/NDF:21.0/20

All: -0.005+/-0.017 χ^2/NDF: 32.8/37

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 78.626+/-0.047 χ^2/NDF:3373.9/1

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 56.332+/-0.048 χ^2/NDF:0.0/0

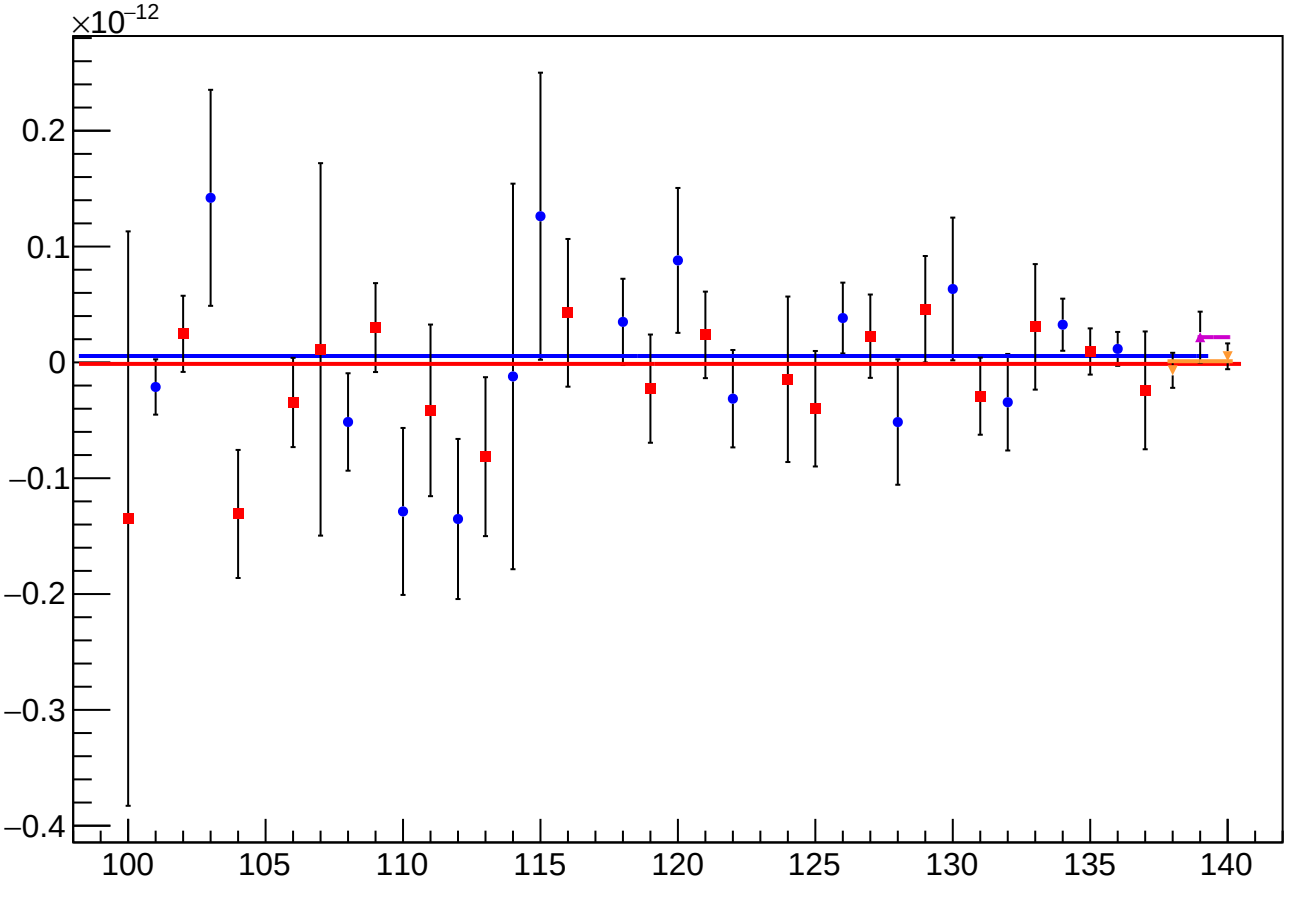
Left: 67.669+/-0.034 χ^2/NDF: 112689.7/2

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 59.370+/-0.018 χ^2/NDF:2543490.4/16

Out: 57.410+/-0.017 χ^2/NDF:3756481.4/20

All: 58.359+/-0.012 χ^2/NDF: 6306386.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

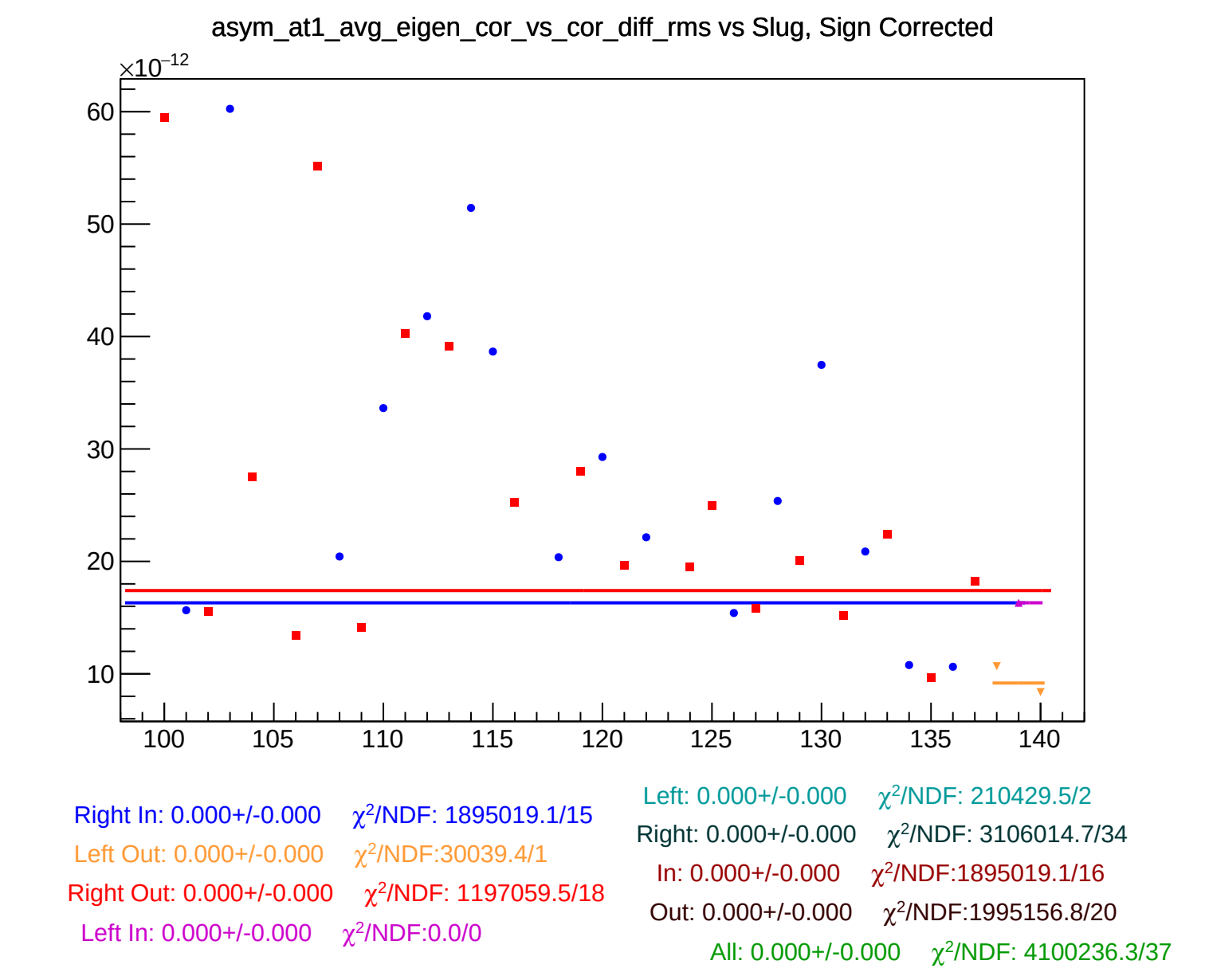
Left: 0.000+/-0.000 χ^2/NDF: 1.2/2

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

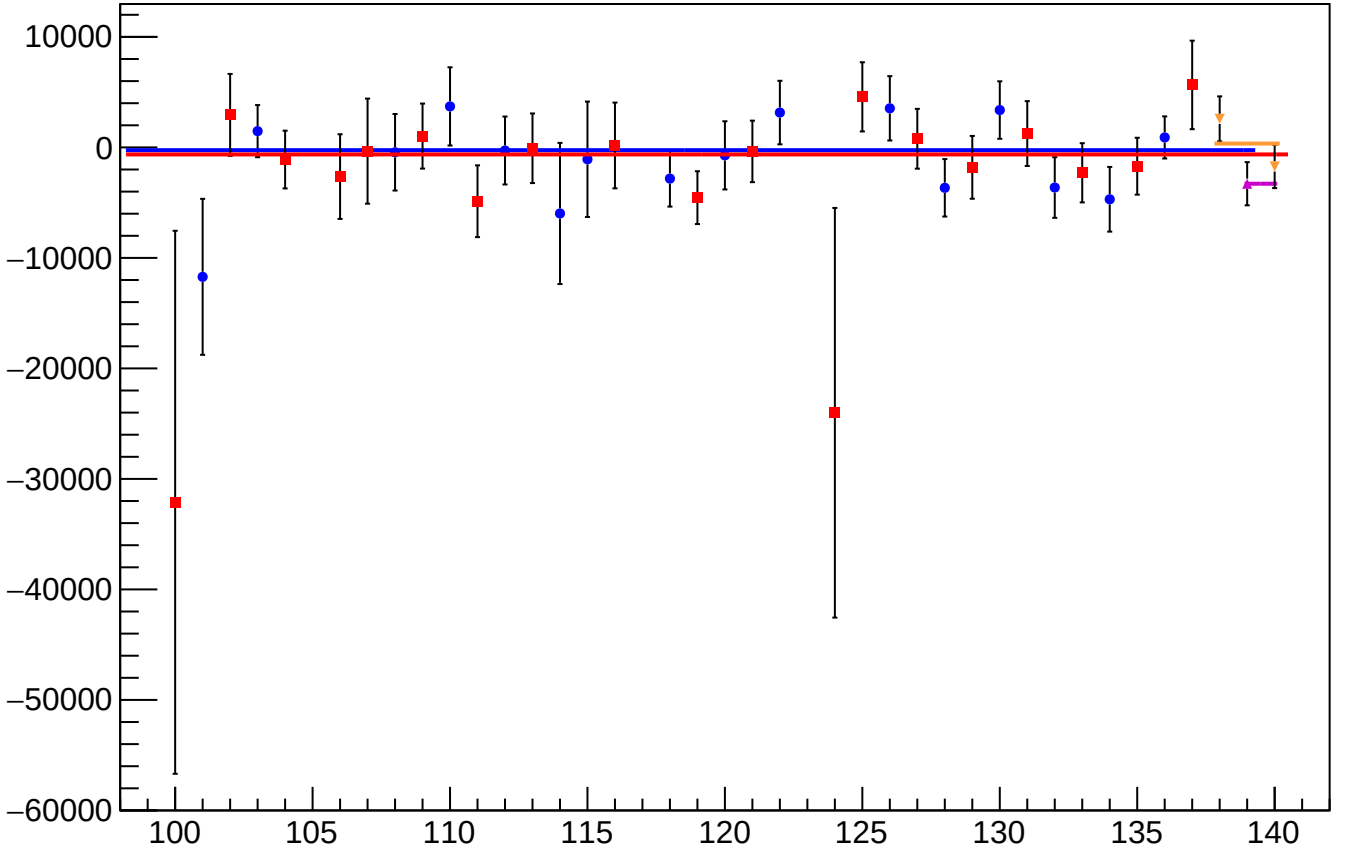
In: 0.000+/-0.000 χ^2/NDF:23.1/16

Out: -0.000+/-0.000 χ^2/NDF:14.7/20

All: 0.000+/-0.000 χ^2/NDF: 38.4/37


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:30039.4/1
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 210429.5/2
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:1895019.1/16
Out: 0.000+/-0.000 χ²/NDF:1995156.8/20
All: 0.000+/-0.000 χ²/NDF: 4100236.3/37

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: 346.911+/-1412.393 χ^2/NDF:2.3/1

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -3287.967+/-1954.846 χ^2/NDF:0.0/0

Left: -899.771+/-1144.842 χ^2/NDF: 4.6/2

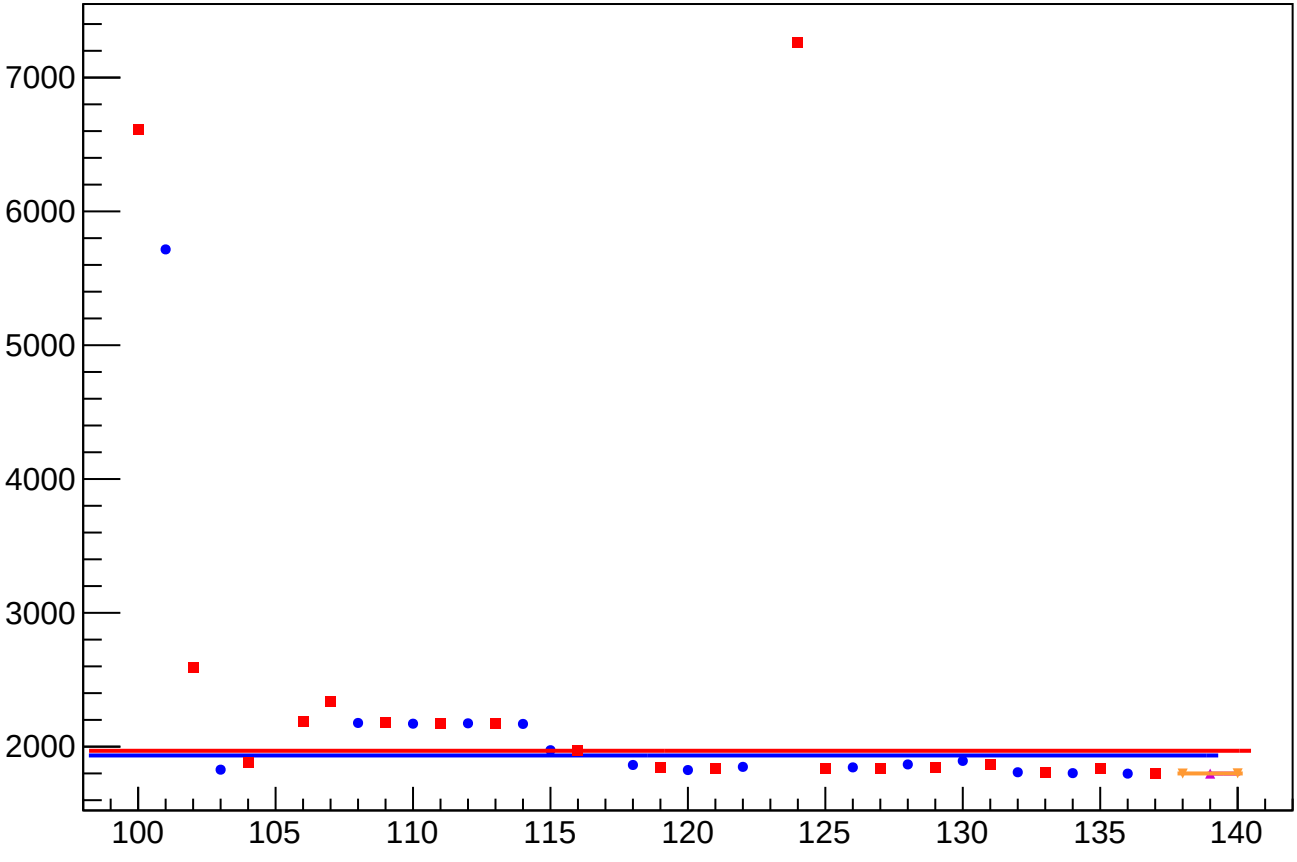
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -627.512+/-688.069 χ^2/NDF:19.4/16

Out: -426.392+/-652.332 χ^2/NDF:18.6/20

All: -521.594+/-473.398 χ^2/NDF: 38.0/37

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1799.768+/-0.999 χ^2/NDF:0.5/1

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1798.702+/-1.382 χ^2/NDF:0.0/0

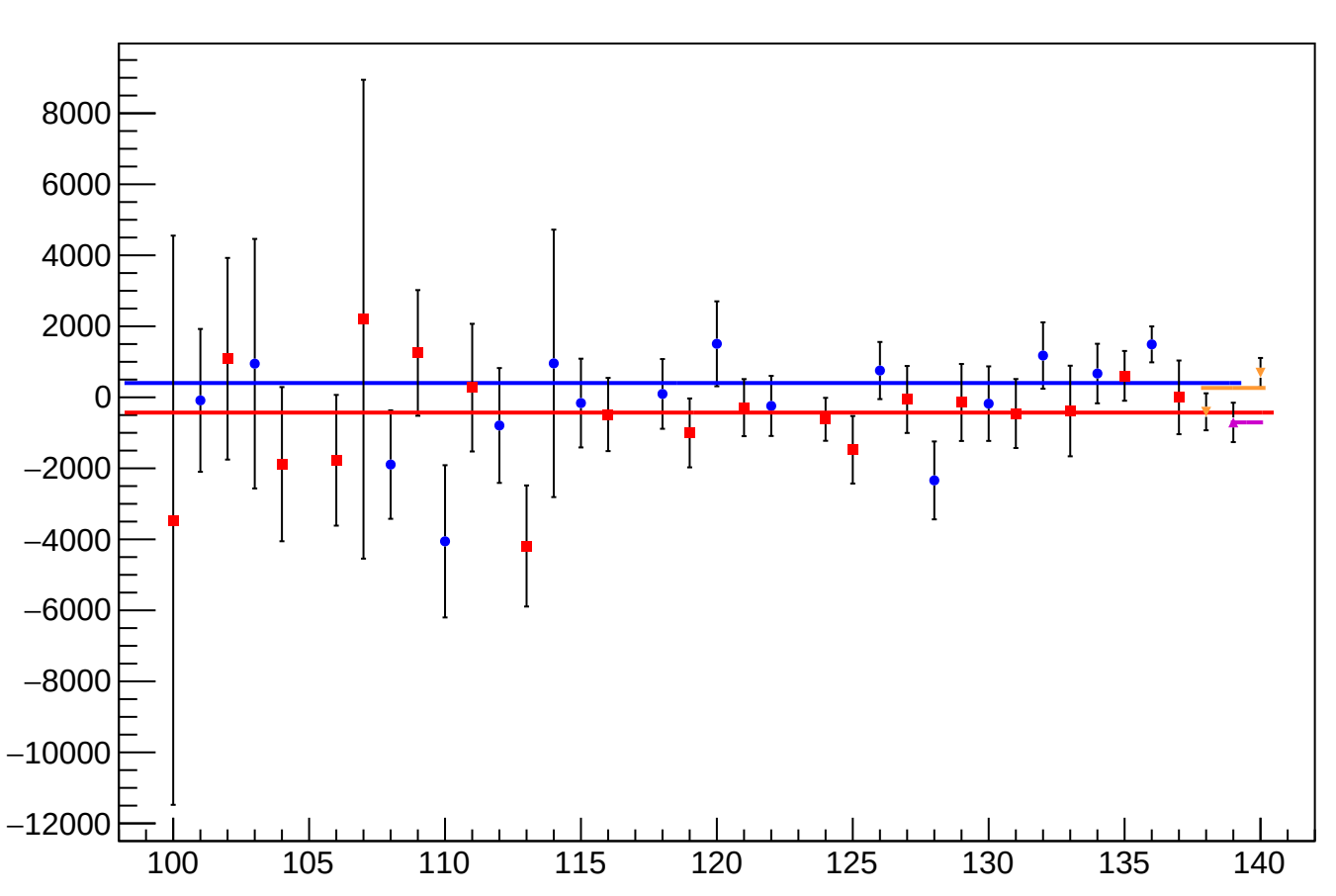
Left: 1799.402+/-0.810 χ^2/NDF: 0.9/2

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1917.428+/-0.487 χ^2/NDF:648340.4/16

Out: 1933.060+/-0.461 χ^2/NDF:401022.2/20

All: 1925.660+/-0.335 χ^2/NDF: 1049906.3/37



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 264.224+/-324.964 χ^2/NDF:2.7/1

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -706.702+/-554.615 χ^2/NDF:0.0/0

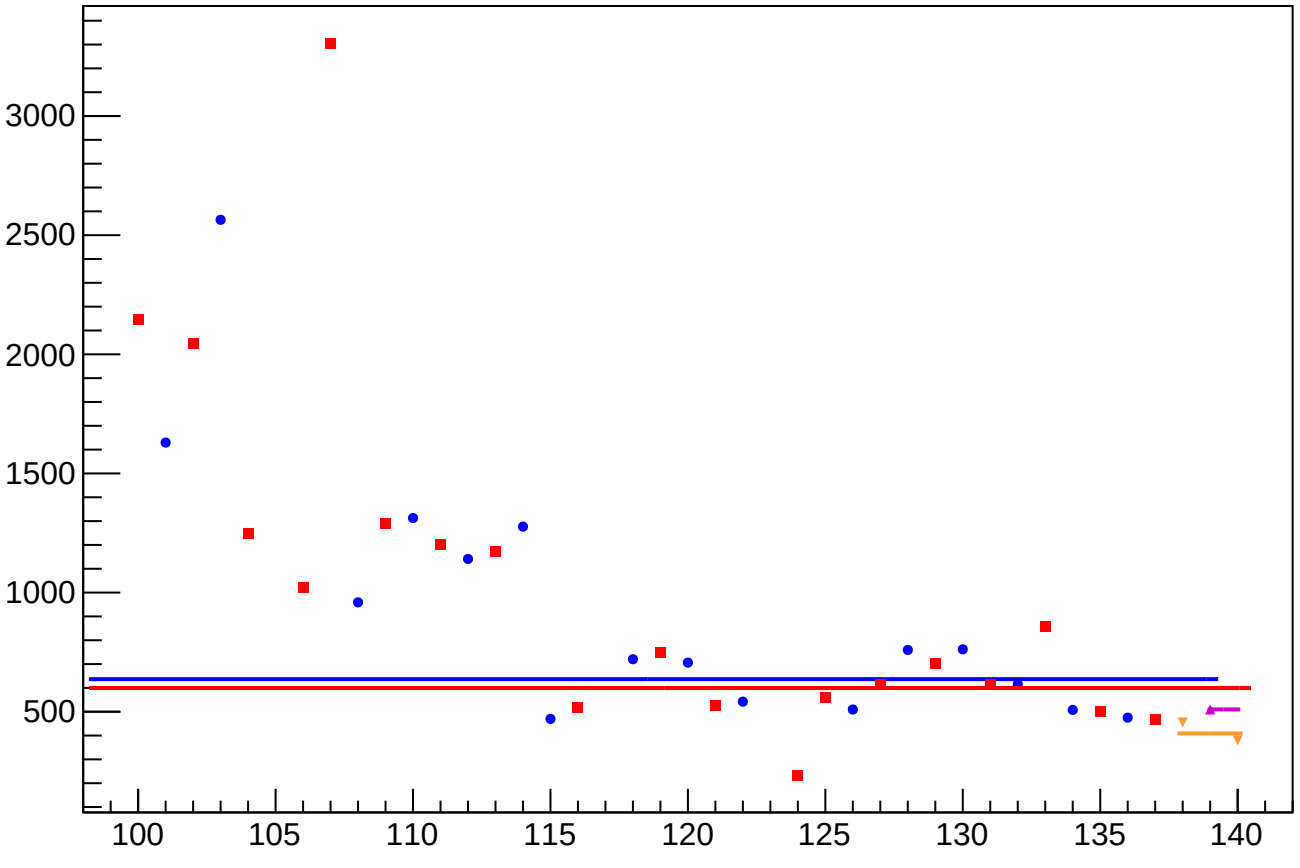
Left: 16.084+/-280.380 χ^2/NDF: 5.0/2

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 204.553+/-234.355 χ^2/NDF:24.4/16

Out: -168.277+/-199.545 χ^2/NDF:17.3/20

All: -11.582+/-151.931 χ^2/NDF: 43.2/37



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 408.948+/-0.230 χ^2/NDF:25293.6/1

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 509.622+/-0.392 χ^2/NDF:0.0/0

Left: 434.677+/-0.198 χ^2/NDF: 74350.8/2

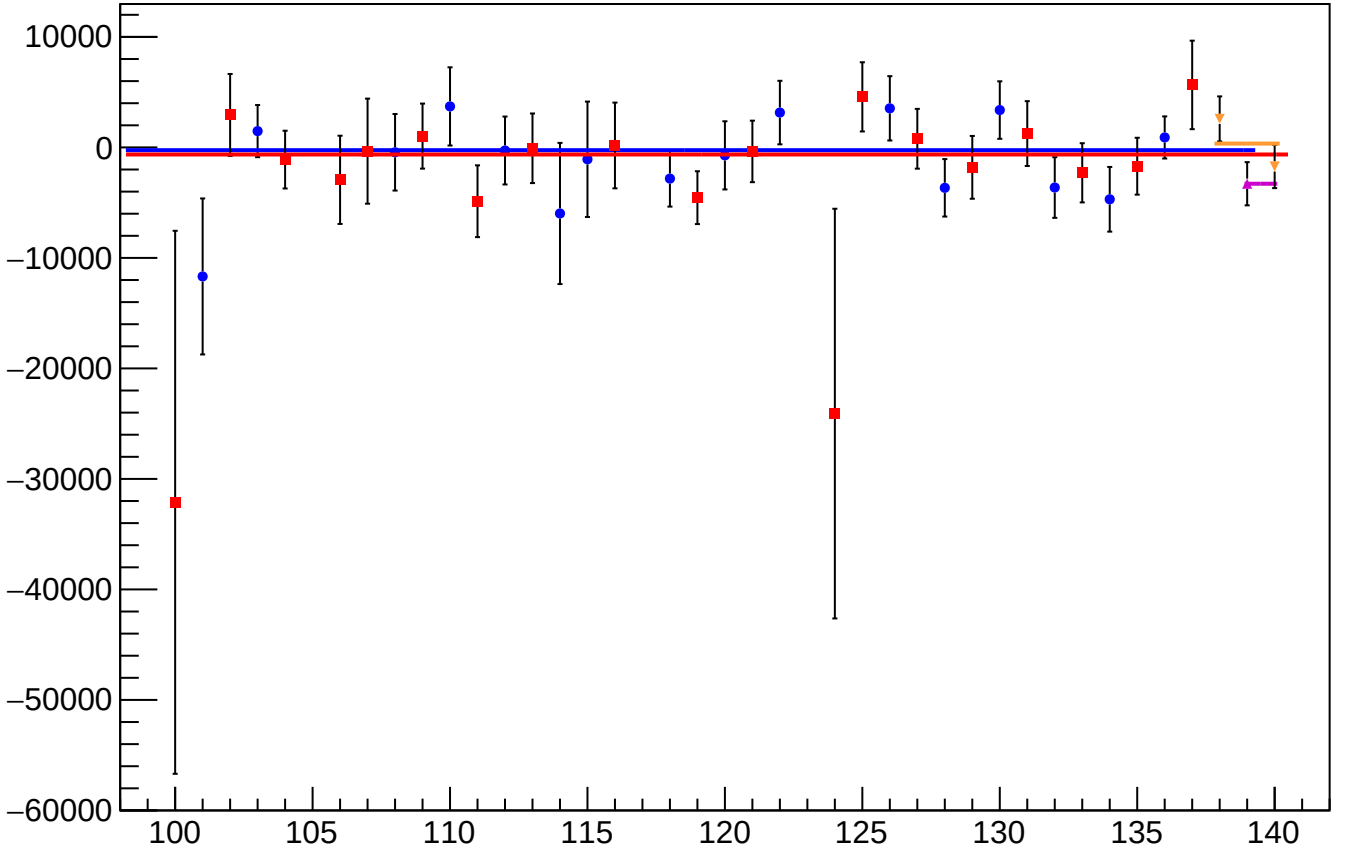
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 614.010+/-0.166 χ^2/NDF:2153143.0/16

Out: 527.732+/-0.141 χ^2/NDF:3398367.6/20

All: 563.993+/-0.107 χ^2/NDF: 5708652.2/37

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 346.904+/-1412.393 χ^2/NDF:2.3/1

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -3287.976+/-1954.846 χ^2/NDF:0.0/0

Left: -899.779+/-1144.842 χ^2/NDF: 4.6/2

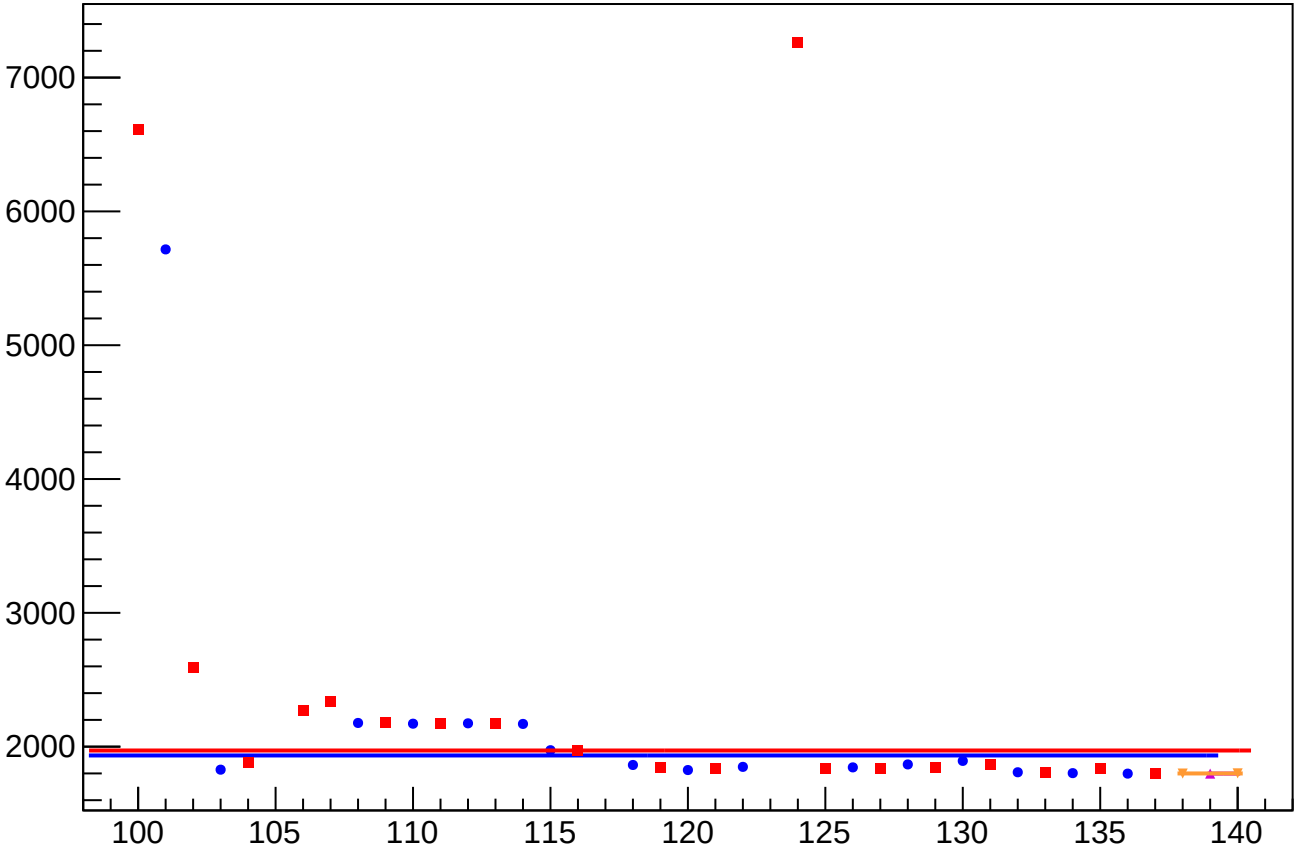
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -626.805+/-688.070 χ^2/NDF:19.4/16

Out: -429.673+/-653.080 χ^2/NDF:18.7/20

All: -523.099+/-473.684 χ^2/NDF: 38.1/37

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1799.768+/-0.999 χ^2/NDF:0.5/1

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1798.702+/-1.382 χ^2/NDF:0.0/0

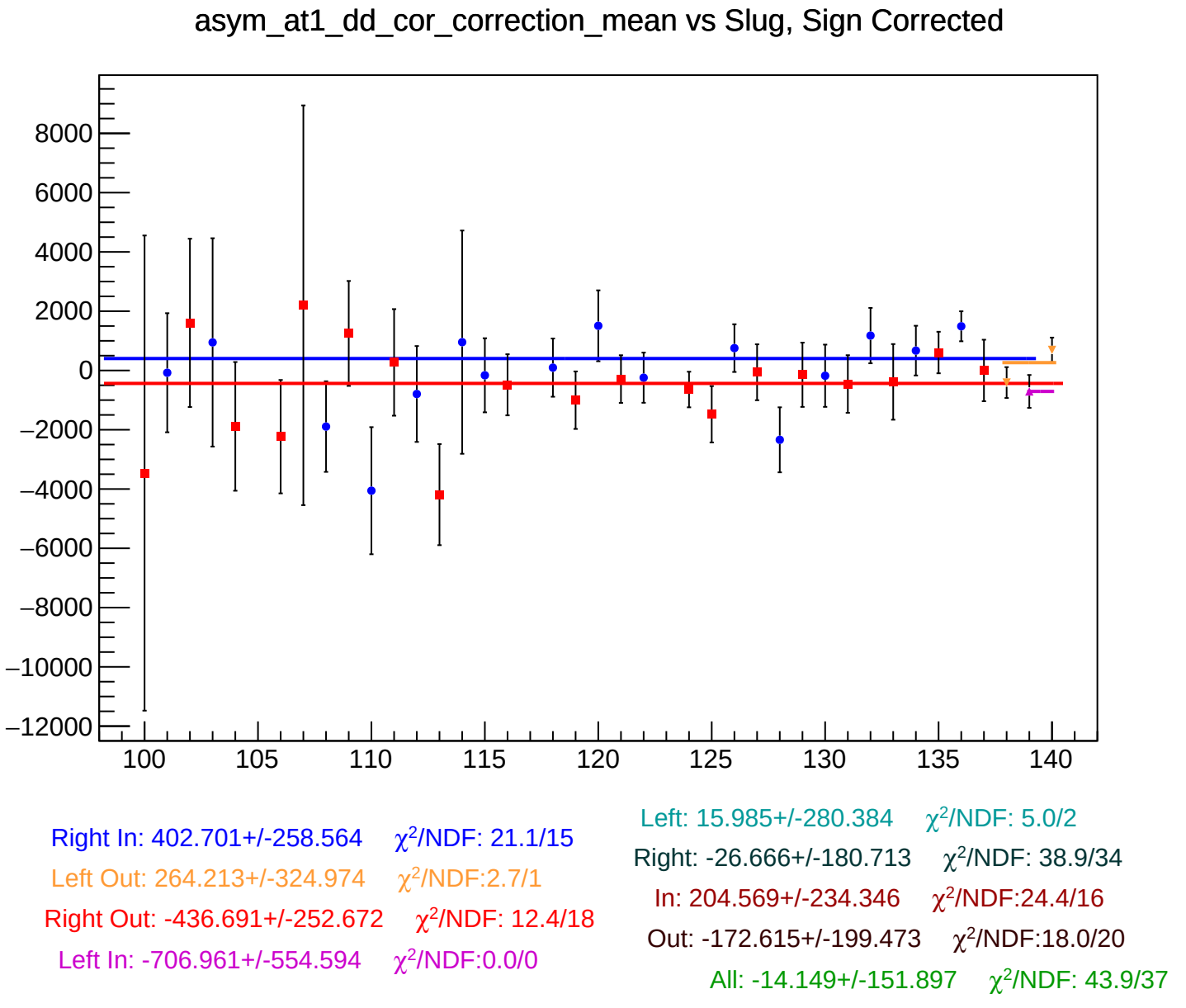
Left: 1799.402+/-0.810 χ^2/NDF: 0.9/2

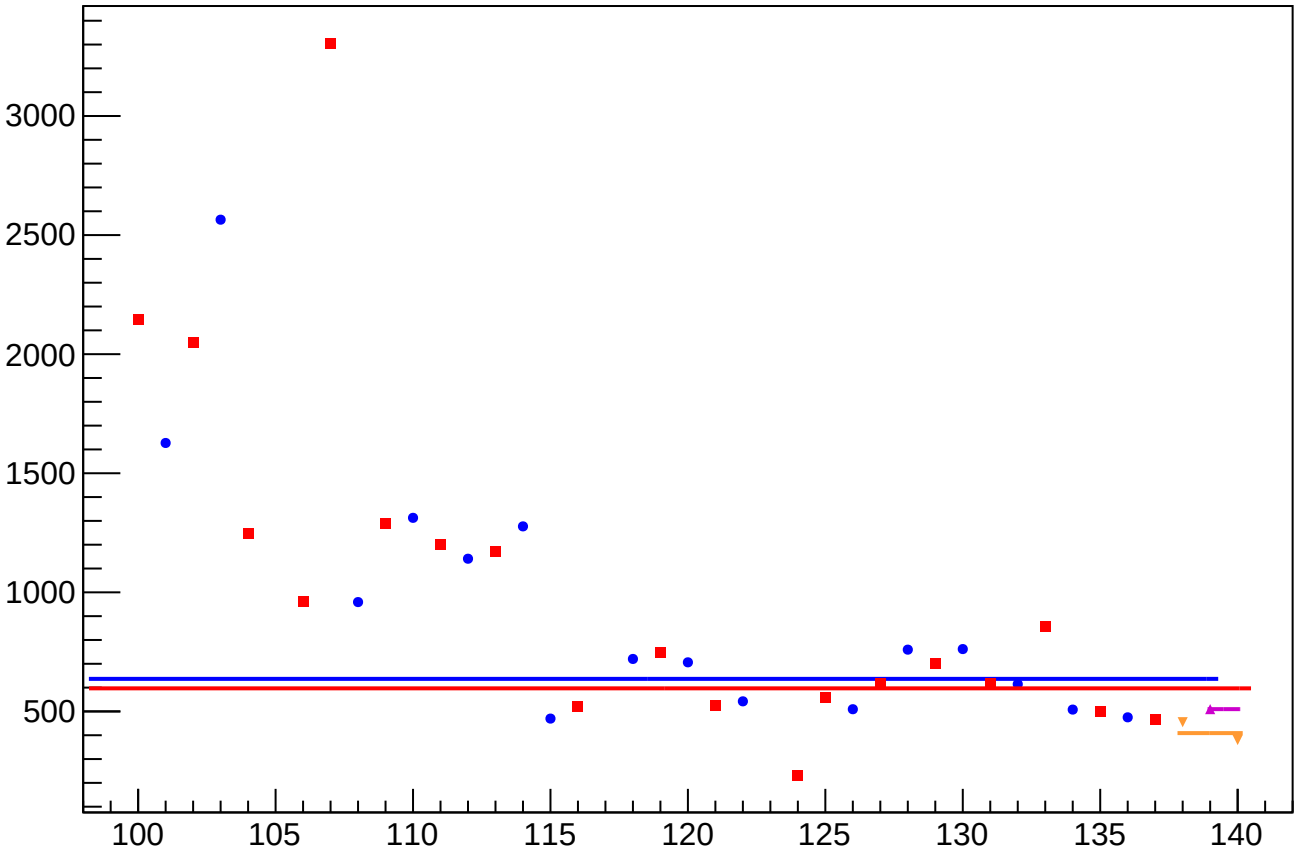
Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1917.428+/-0.487 χ^2/NDF:648340.3/16

Out: 1934.670+/-0.462 χ^2/NDF:406384.6/20

All: 1926.498+/-0.335 χ^2/NDF: 1055385.6/37


asym_at1_dd_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
105
110
115
120
125
130
135
140
Right In: 402.701+/-258.564 χ²/NDF: 21.1/15
Left Out: 264.213+/-324.974 χ²/NDF:2.7/1
Right Out: -436.691+/-252.672 χ²/NDF: 12.4/18
Left In: -706.961+/-554.594 χ²/NDF:0.0/0
Left: 15.985+/-280.384 χ²/NDF: 5.0/2
Right: -26.666+/-180.713 χ²/NDF: 38.9/34
In: 204.569+/-234.346 χ²/NDF:24.4/16
Out: -172.615+/-199.473 χ²/NDF:18.0/20
All: -14.149+/-151.897 χ²/NDF: 43.9/37



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 408.962+/-0.230 χ^2/NDF:25275.2/1

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 509.602+/-0.392 χ^2/NDF:0.0/0

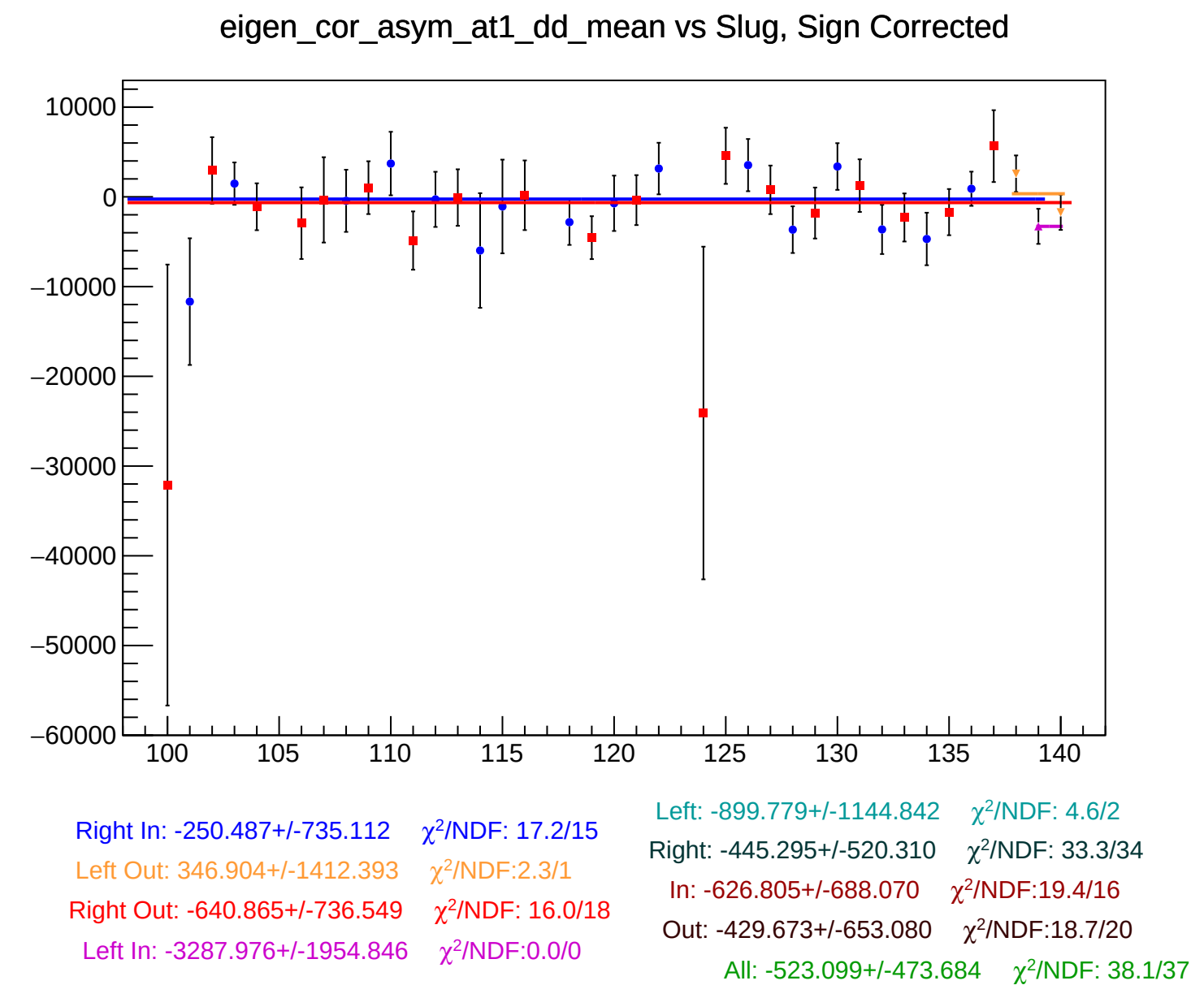
Left: 434.686+/-0.198 χ^2/NDF: 74301.5/2

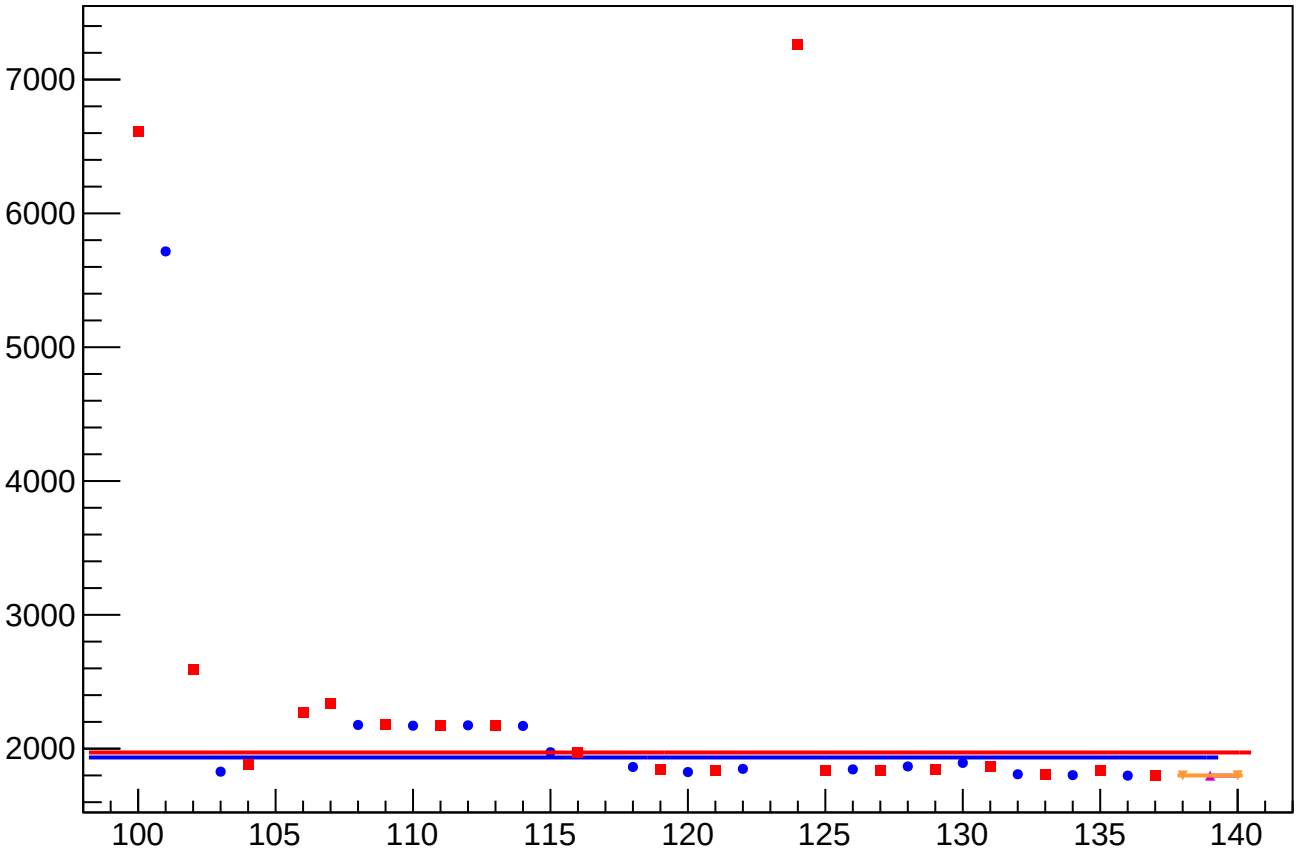
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 614.005+/-0.166 χ^2/NDF:2152304.1/16

Out: 526.068+/-0.141 χ^2/NDF:3372431.3/20

All: 563.013+/-0.107 χ^2/NDF: 5688036.8/37


eigen_cor_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
105
110
115
120
125
130
135
140
Right In: -250.487+/-735.112 χ²/NDF: 17.2/15
Left Out: 346.904+/-1412.393 χ²/NDF:2.3/1
Right Out: -640.865+/-736.549 χ²/NDF: 16.0/18
Left In: -3287.976+/-1954.846 χ²/NDF:0.0/0
Left: -899.779+/-1144.842 χ²/NDF: 4.6/2
Right: -445.295+/-520.310 χ²/NDF: 33.3/34
In: -626.805+/-688.070 χ²/NDF:19.4/16
Out: -429.673+/-653.080 χ²/NDF:18.7/20
All: -523.099+/-473.684 χ²/NDF: 38.1/37



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1799.768+/-0.999 χ^2/NDF:0.5/1

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1798.702+/-1.382 χ^2/NDF:0.0/0

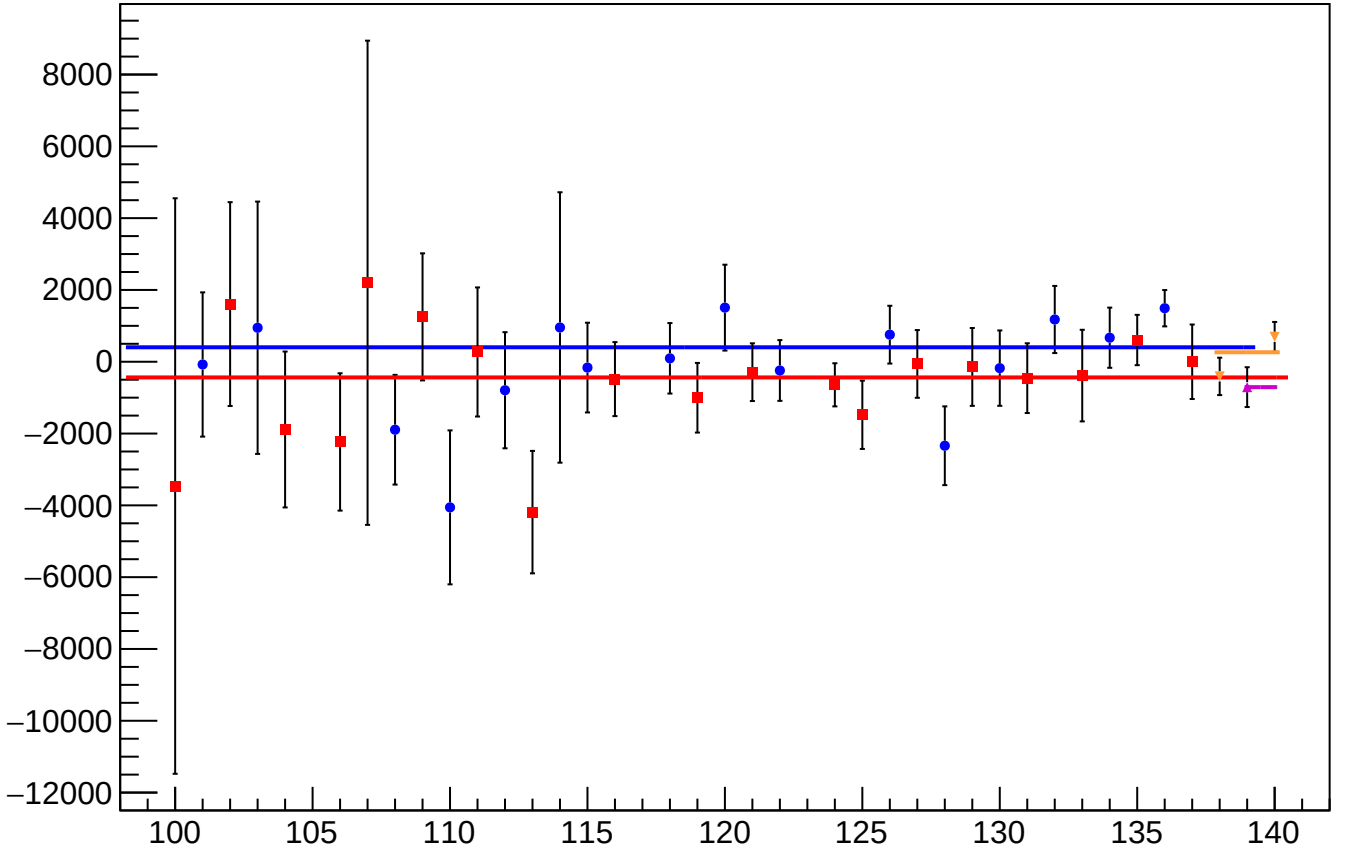
Left: 1799.402+/-0.810 χ^2/NDF: 0.9/2

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1917.428+/-0.487 χ^2/NDF:648340.3/16

Out: 1934.670+/-0.462 χ^2/NDF:406384.6/20

All: 1926.498+/-0.335 χ^2/NDF: 1055385.6/37



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 264.213+/-324.974 χ^2/NDF:2.7/1

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -706.961+/-554.594 χ^2/NDF:0.0/0

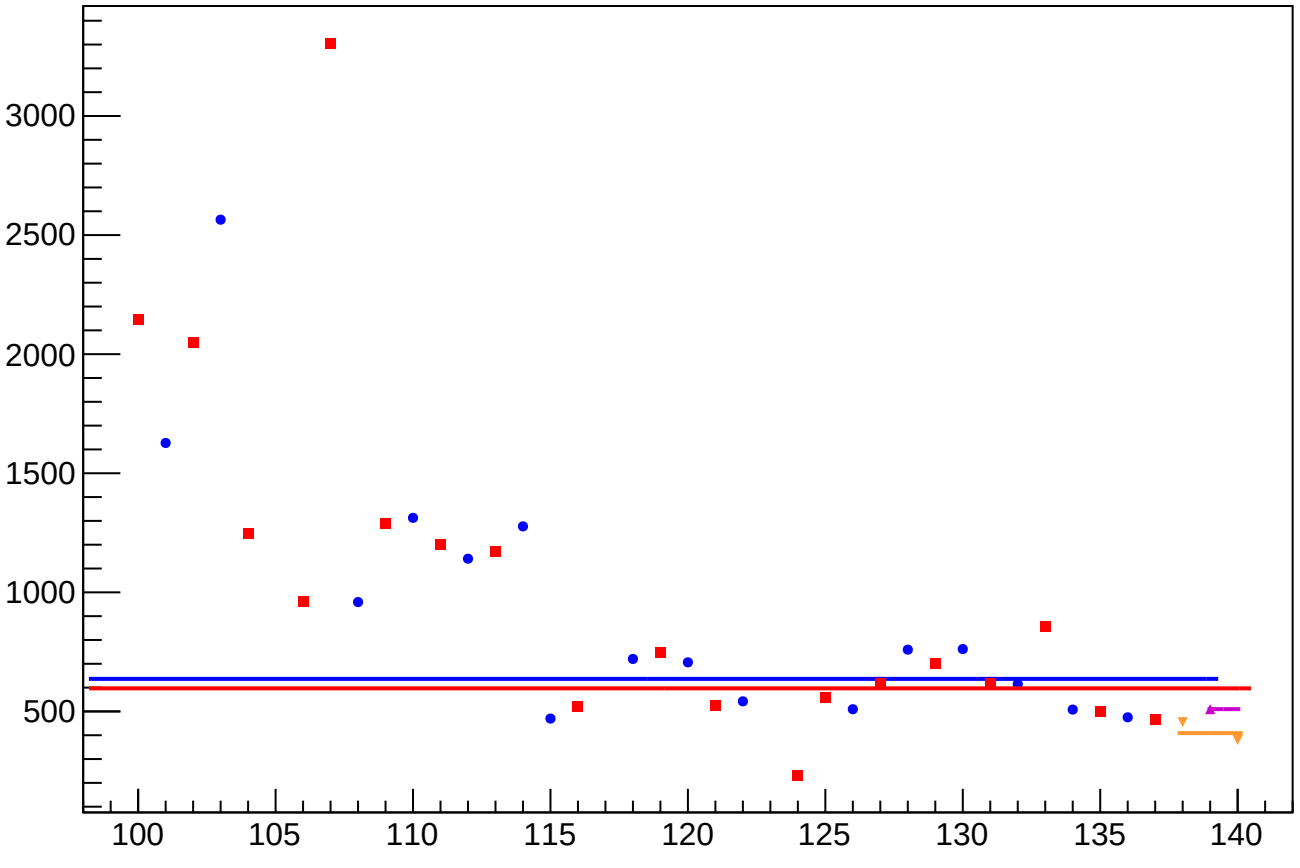
Left: 15.985+/-280.384 χ^2/NDF: 5.0/2

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 204.569+/-234.346 χ^2/NDF:24.4/16

Out: -172.615+/-199.473 χ^2/NDF:18.0/20

All: -14.149+/-151.897 χ^2/NDF: 43.9/37



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 408.962+/-0.230 χ^2/NDF:25275.2/1

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 509.602+/-0.392 χ^2/NDF:0.0/0

Left: 434.686+/-0.198 χ^2/NDF: 74301.5/2

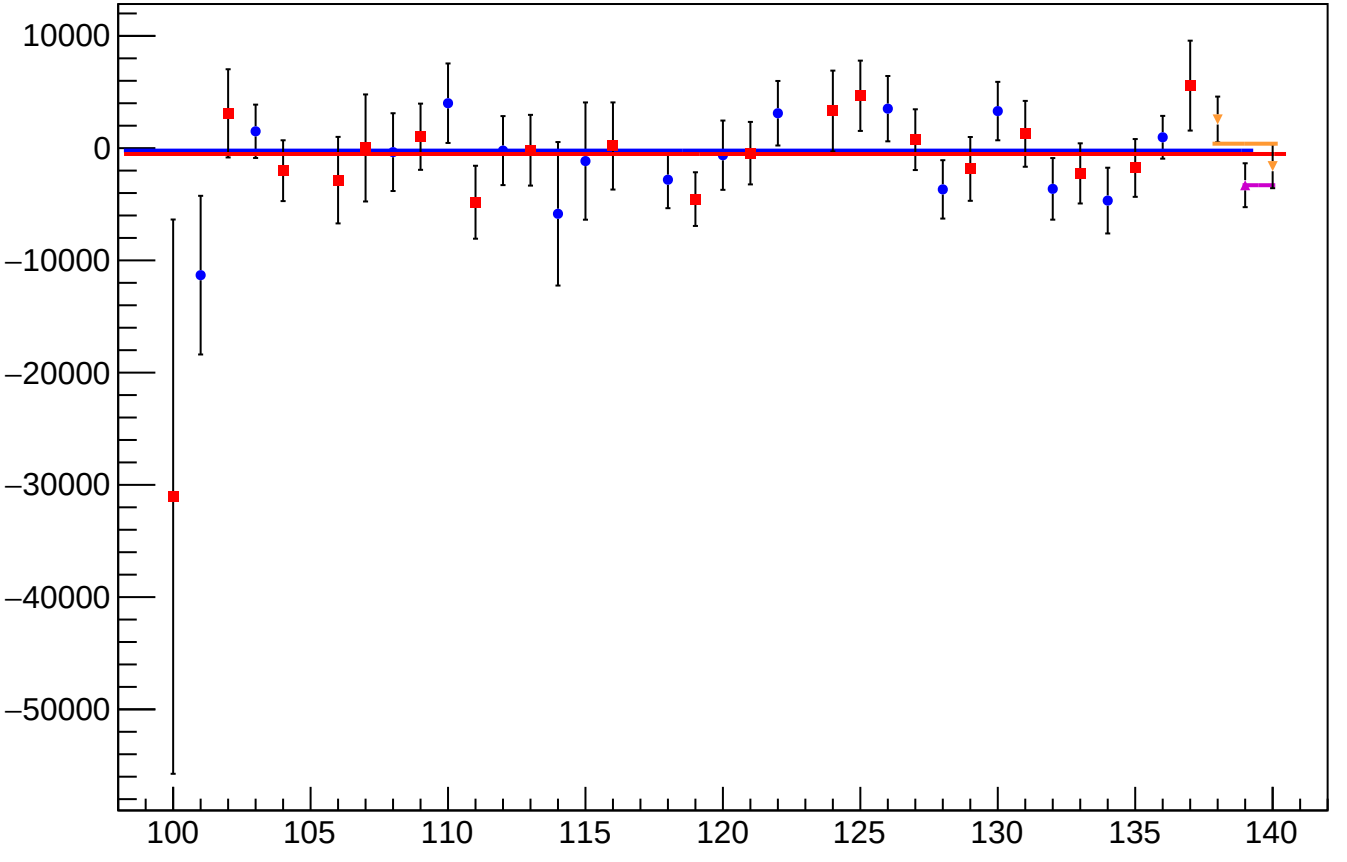
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 614.005+/-0.166 χ^2/NDF:2152304.1/16

Out: 526.068+/-0.141 χ^2/NDF:3372431.3/20

All: 563.013+/-0.107 χ^2/NDF: 5688036.8/37

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: 396.174+/-1412.831 χ^2/NDF:2.2/1

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -3302.679+/-1955.472 χ^2/NDF:0.0/0

Left: -872.434+/-1145.201 χ^2/NDF: 4.5/2

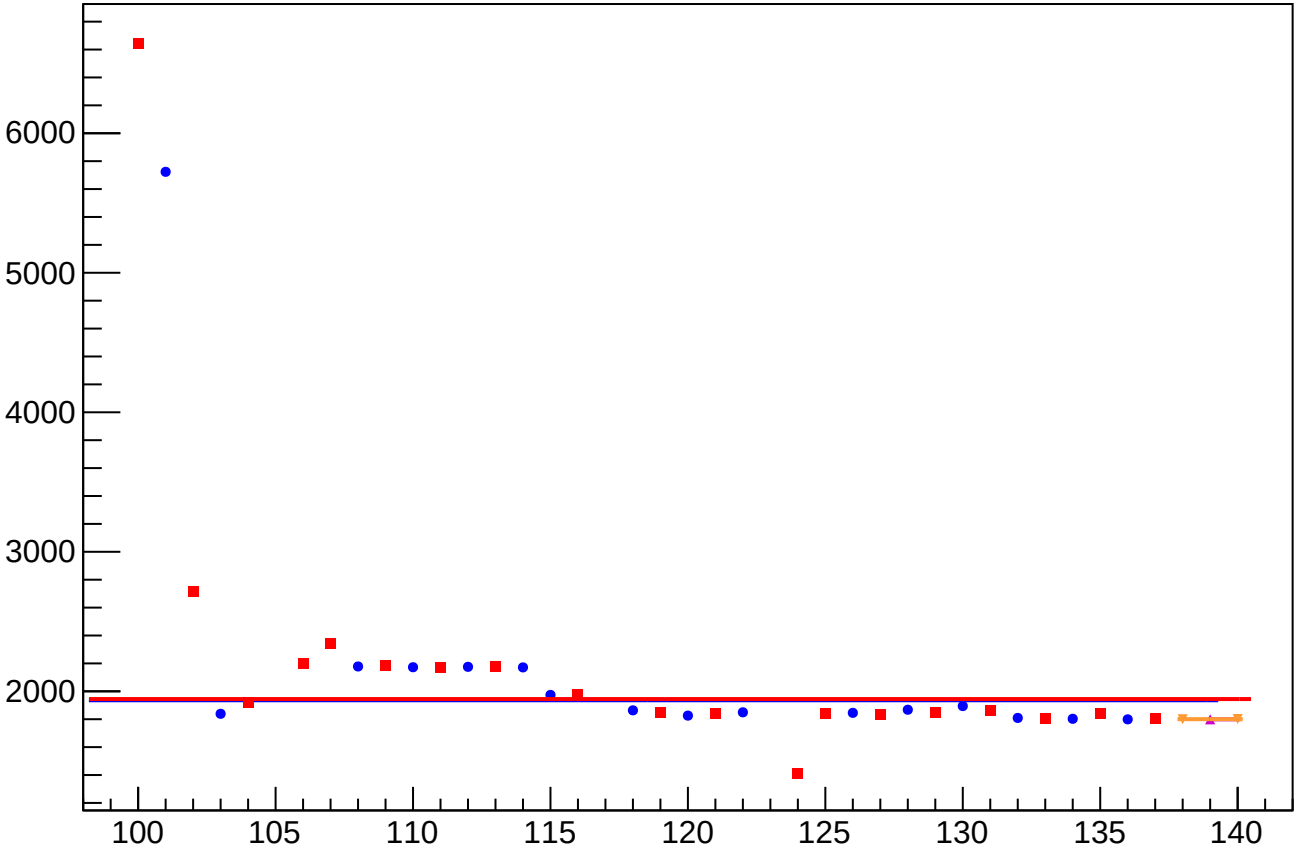
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -602.753+/-688.734 χ^2/NDF:19.3/16

Out: -329.251+/-645.016 χ^2/NDF:18.1/20

All: -457.047+/-470.792 χ^2/NDF: 37.5/37

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1800.326+/-0.999 χ^2/NDF:0.7/1

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1799.277+/-1.383 χ^2/NDF:0.0/0

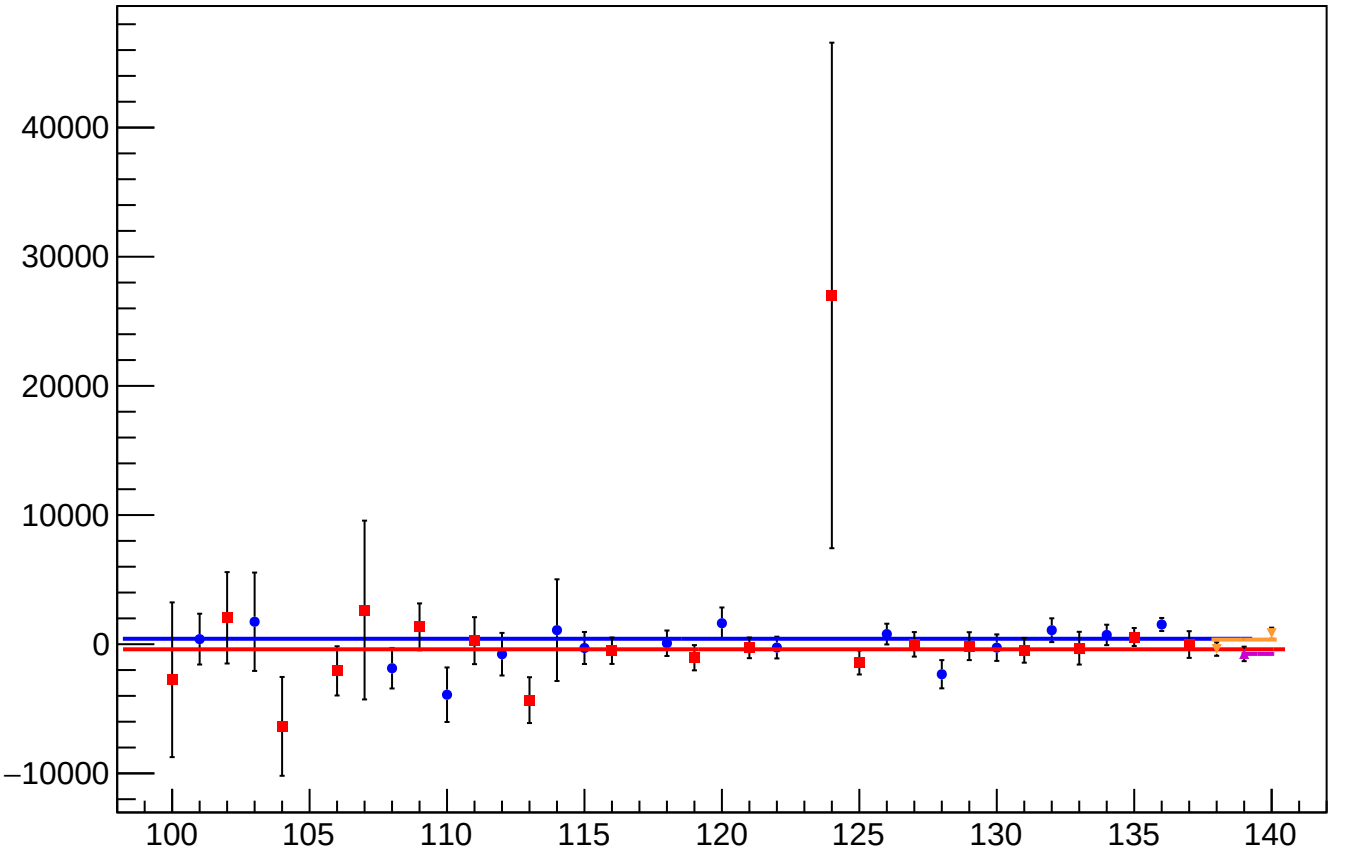
Left: 1799.966+/-0.810 χ^2/NDF: 1.0/2

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1919.017+/-0.487 χ^2/NDF:648369.0/16

Out: 1914.446+/-0.456 χ^2/NDF:292709.0/20

All: 1916.582+/-0.333 χ^2/NDF: 941124.9/37



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 359.153+/-331.796 χ^2/NDF:3.3/1

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -751.059+/-562.055 χ^2/NDF:0.0/0

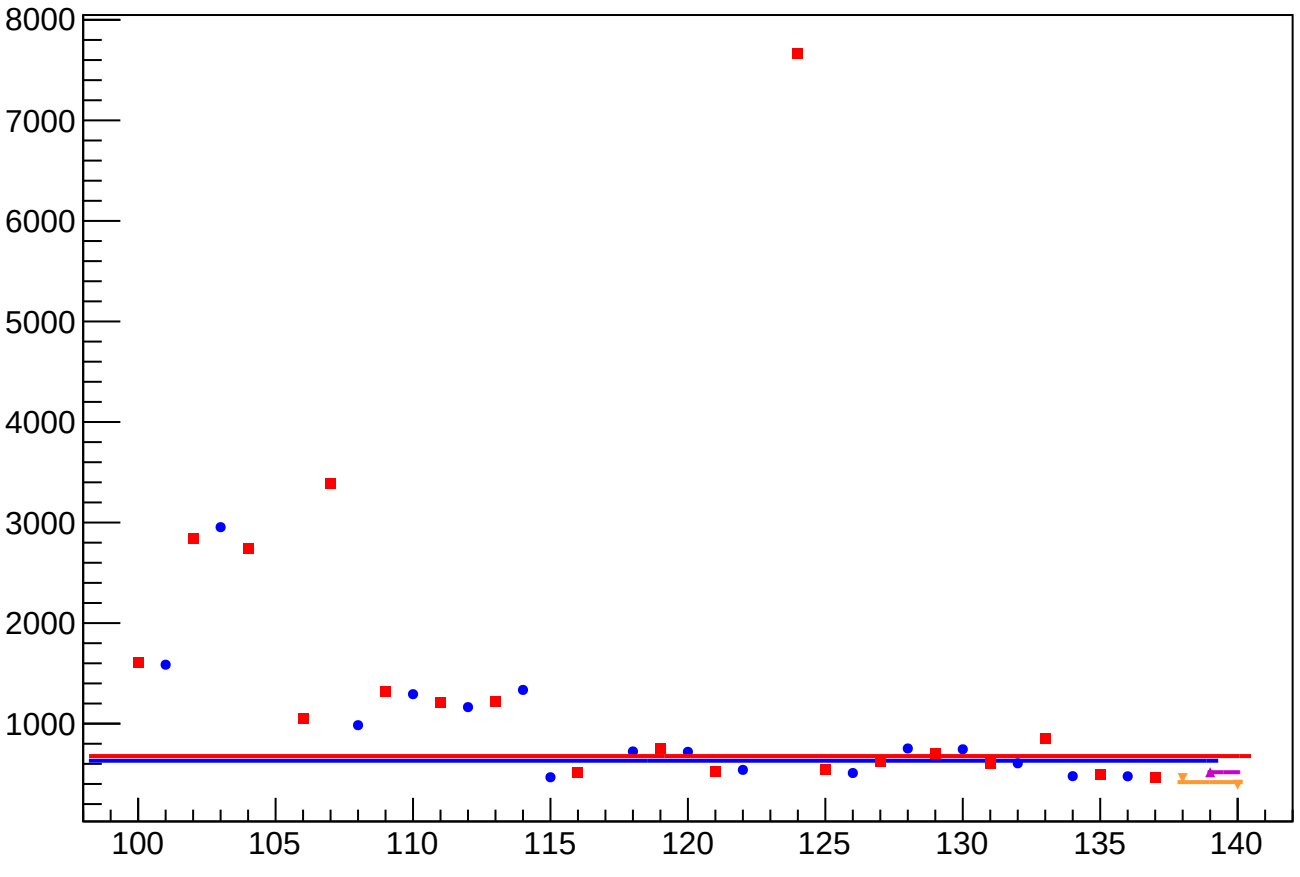
Left: 72.244+/-285.725 χ^2/NDF: 6.2/2

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 218.770+/-233.537 χ^2/NDF:25.1/16

Out: -81.066+/-213.791 χ^2/NDF:22.2/20

All: 55.643+/-157.693 χ^2/NDF: 48.1/37



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 418.452+/-0.235 χ^2/NDF:18959.9/1

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 516.877+/-0.397 χ^2/NDF:0.0/0

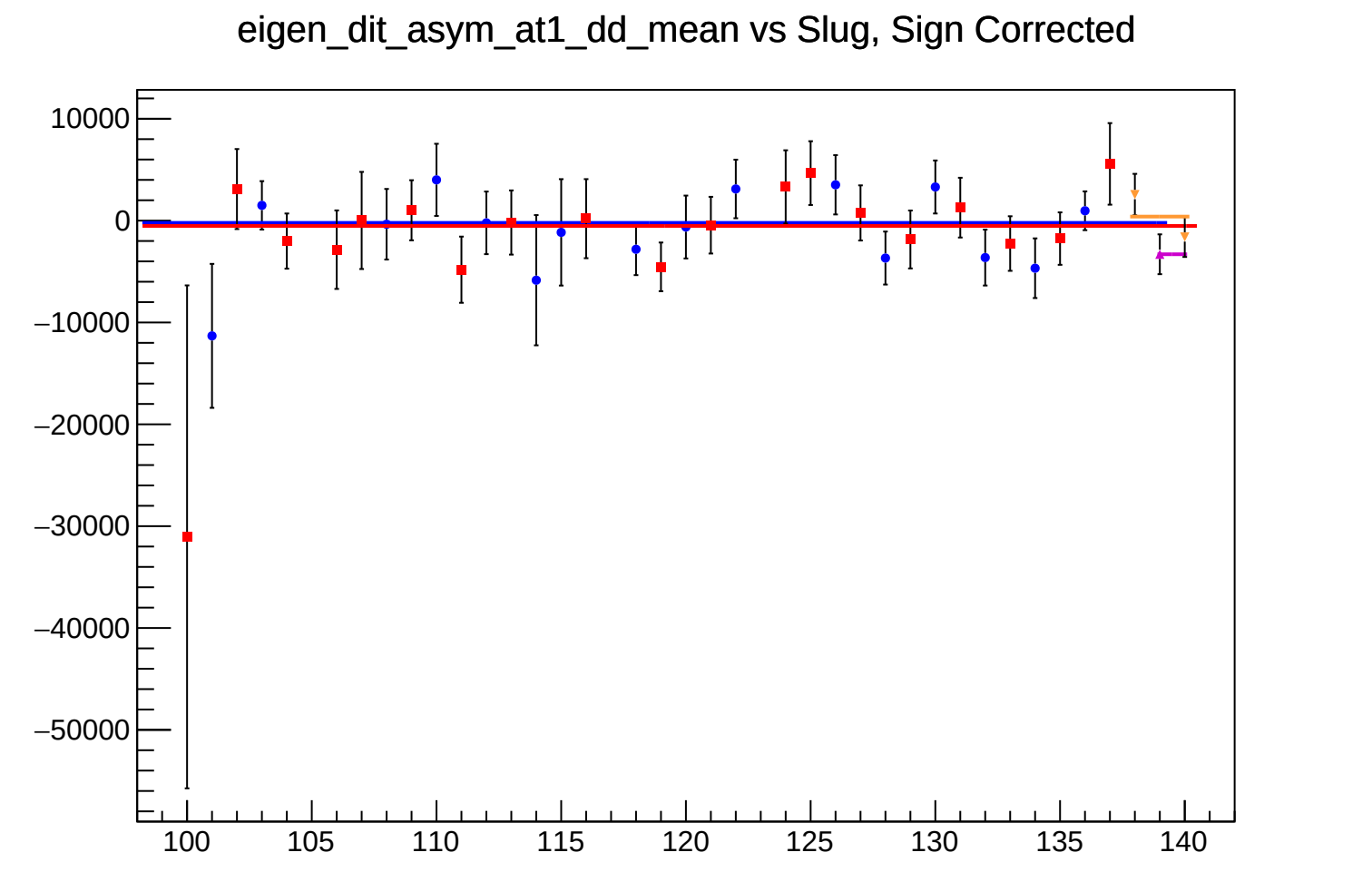
Left: 443.887+/-0.202 χ^2/NDF: 64441.6/2

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 611.413+/-0.165 χ^2/NDF:2302867.5/16

Out: 569.912+/-0.151 χ^2/NDF:3813155.8/20

All: 588.834+/-0.112 χ^2/NDF: 6150385.5/37



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: 396.175+/-1412.831 χ^2/NDF:2.2/1

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -3302.678+/-1955.472 χ^2/NDF:0.0/0

Left: -872.434+/-1145.201 χ^2/NDF: 4.5/2

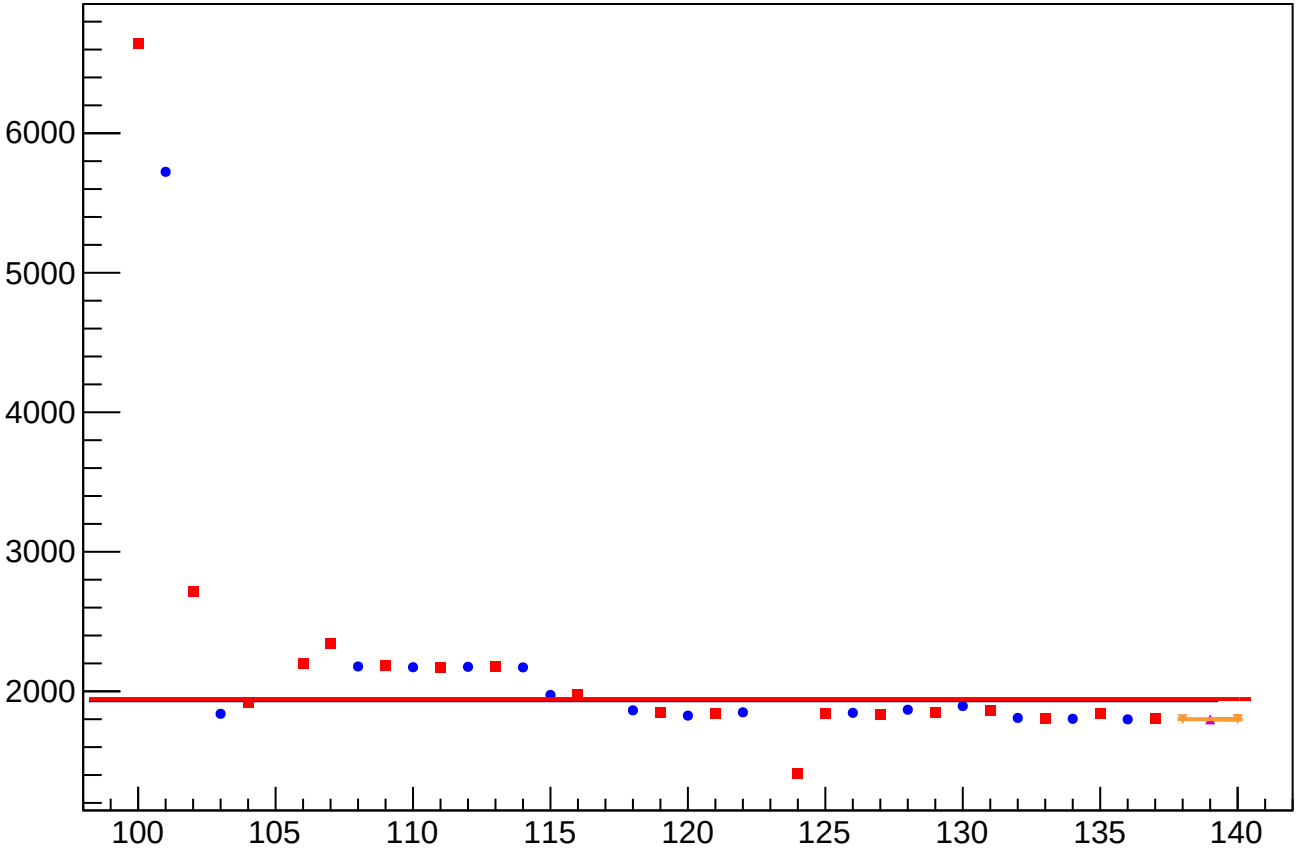
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -602.753+/-688.734 χ^2/NDF:19.3/16

Out: -329.252+/-645.016 χ^2/NDF:18.1/20

All: -457.047+/-470.792 χ^2/NDF: 37.5/37

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1800.326+/-0.999 χ^2/NDF:0.7/1

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1799.277+/-1.383 χ^2/NDF:0.0/0

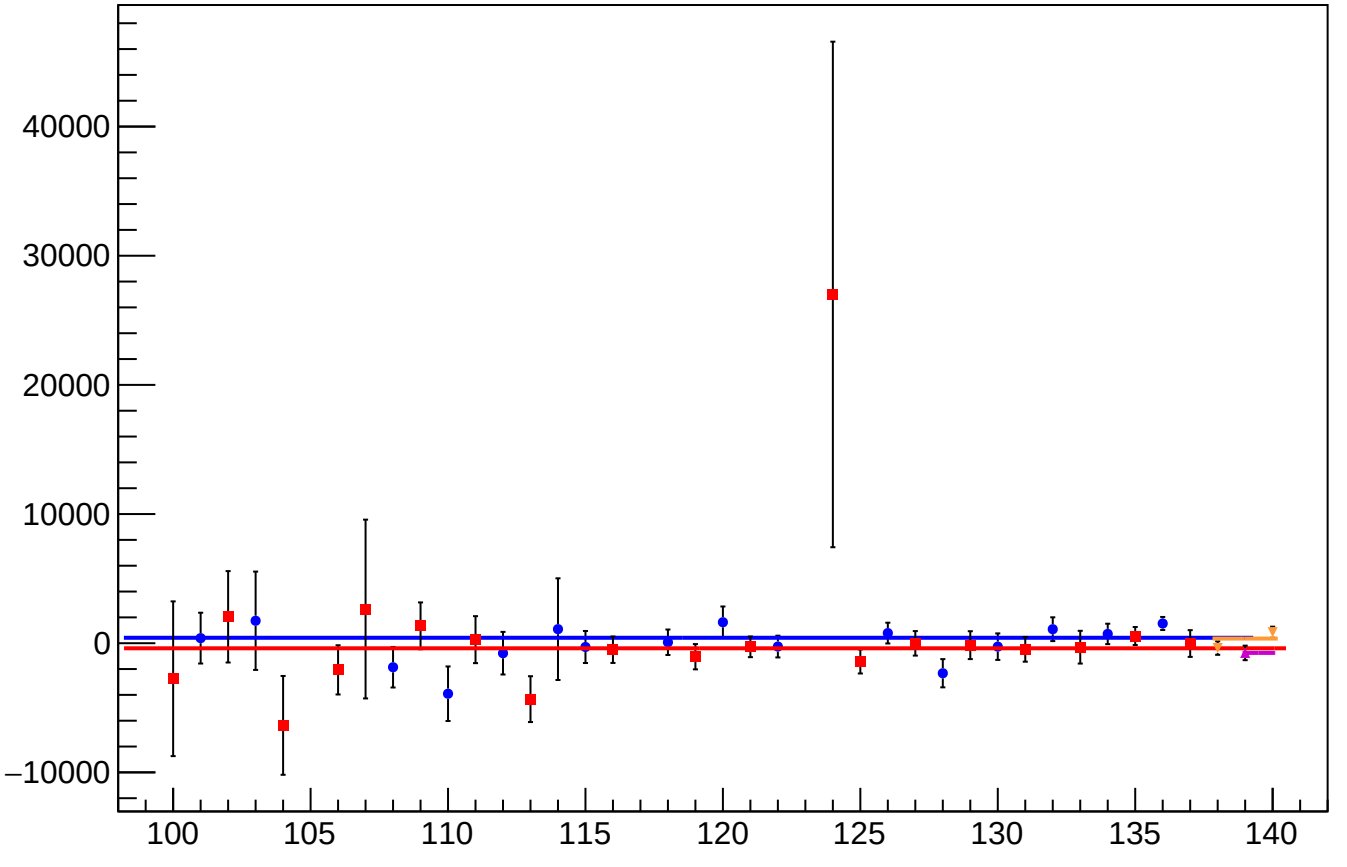
Left: 1799.966+/-0.810 χ^2/NDF: 1.0/2

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1919.017+/-0.487 χ^2/NDF:648369.0/16

Out: 1914.446+/-0.456 χ^2/NDF:292708.8/20

All: 1916.582+/-0.333 χ^2/NDF: 941124.8/37



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 359.152+/-331.795 χ^2/NDF:3.3/1

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -751.060+/-562.054 χ^2/NDF:0.0/0

Left: 72.243+/-285.724 χ^2/NDF: 6.2/2

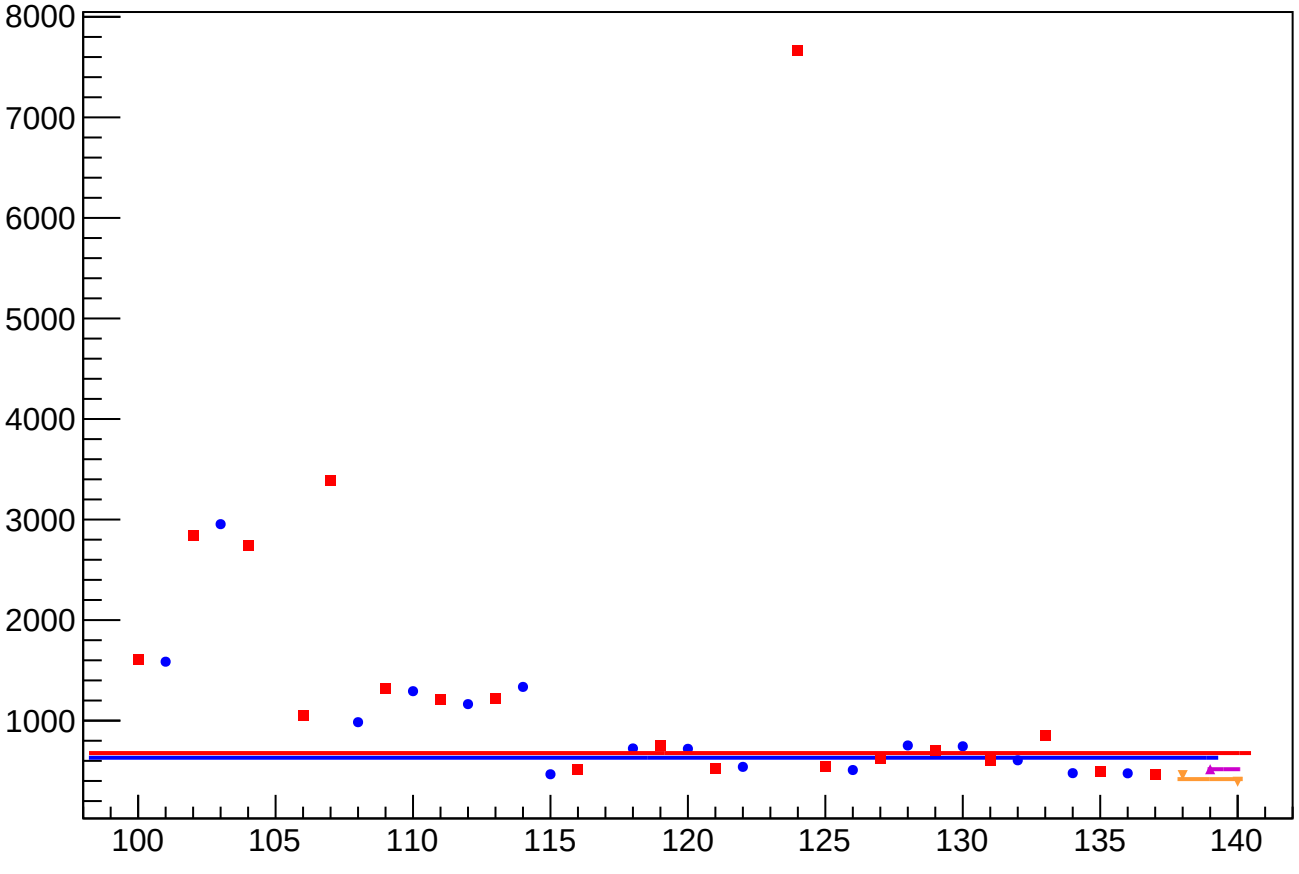
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 218.769+/-233.537 χ^2/NDF:25.1/16

Out: -81.066+/-213.791 χ^2/NDF:22.2/20

All: 55.642+/-157.692 χ^2/NDF: 48.1/37

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 418.451+/-0.235 χ^2/NDF:18959.7/1

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 516.876+/-0.397 χ^2/NDF:0.0/0

Left: 443.886+/-0.202 χ^2/NDF: 64441.9/2

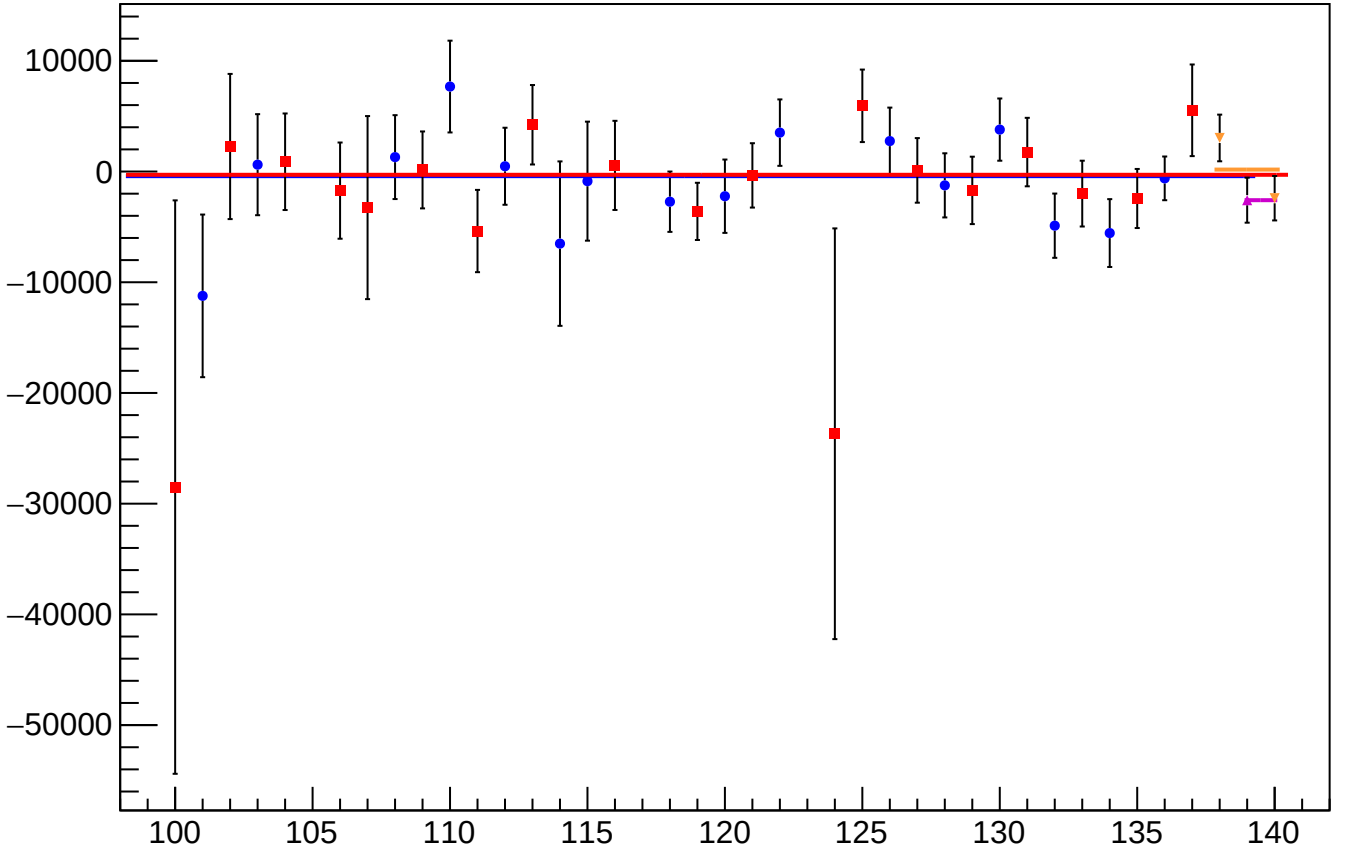
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 611.412+/-0.165 χ^2/NDF:2302867.3/16

Out: 569.911+/-0.151 χ^2/NDF:3813163.0/20

All: 588.833+/-0.112 χ^2/NDF: 6150393.4/37

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: 177.251+/-1453.049 χ^2/NDF:3.5/1

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -2587.637+/-2032.808 χ^2/NDF:0.0/0

Left: -757.722+/-1182.107 χ^2/NDF: 4.7/2

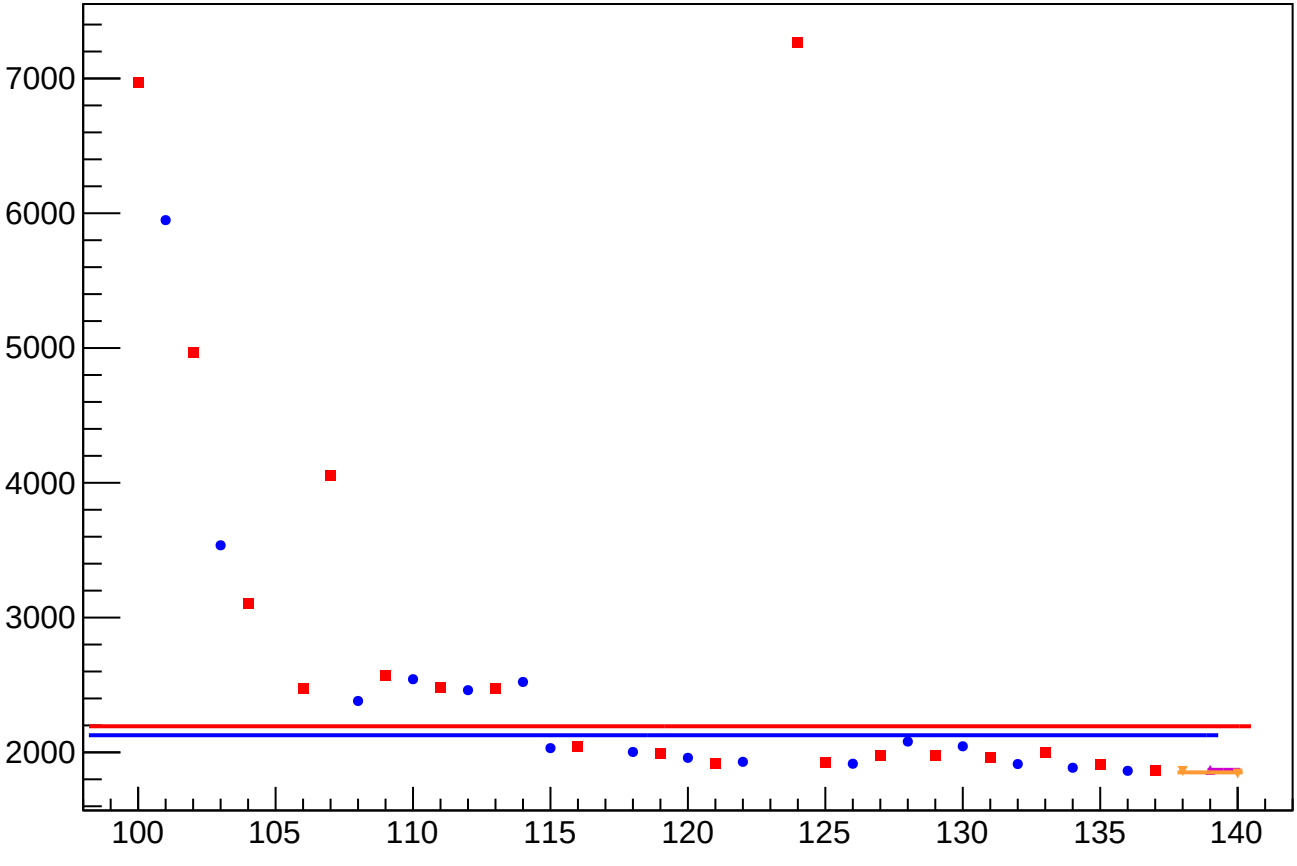
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -718.395+/-756.763 χ^2/NDF:19.3/16

Out: -178.123+/-721.762 χ^2/NDF:19.2/20

All: -435.477+/-522.298 χ^2/NDF: 38.8/37

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1851.524+/-1.027 χ^2/NDF:87.9/1

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1870.434+/-1.437 χ^2/NDF:0.0/0

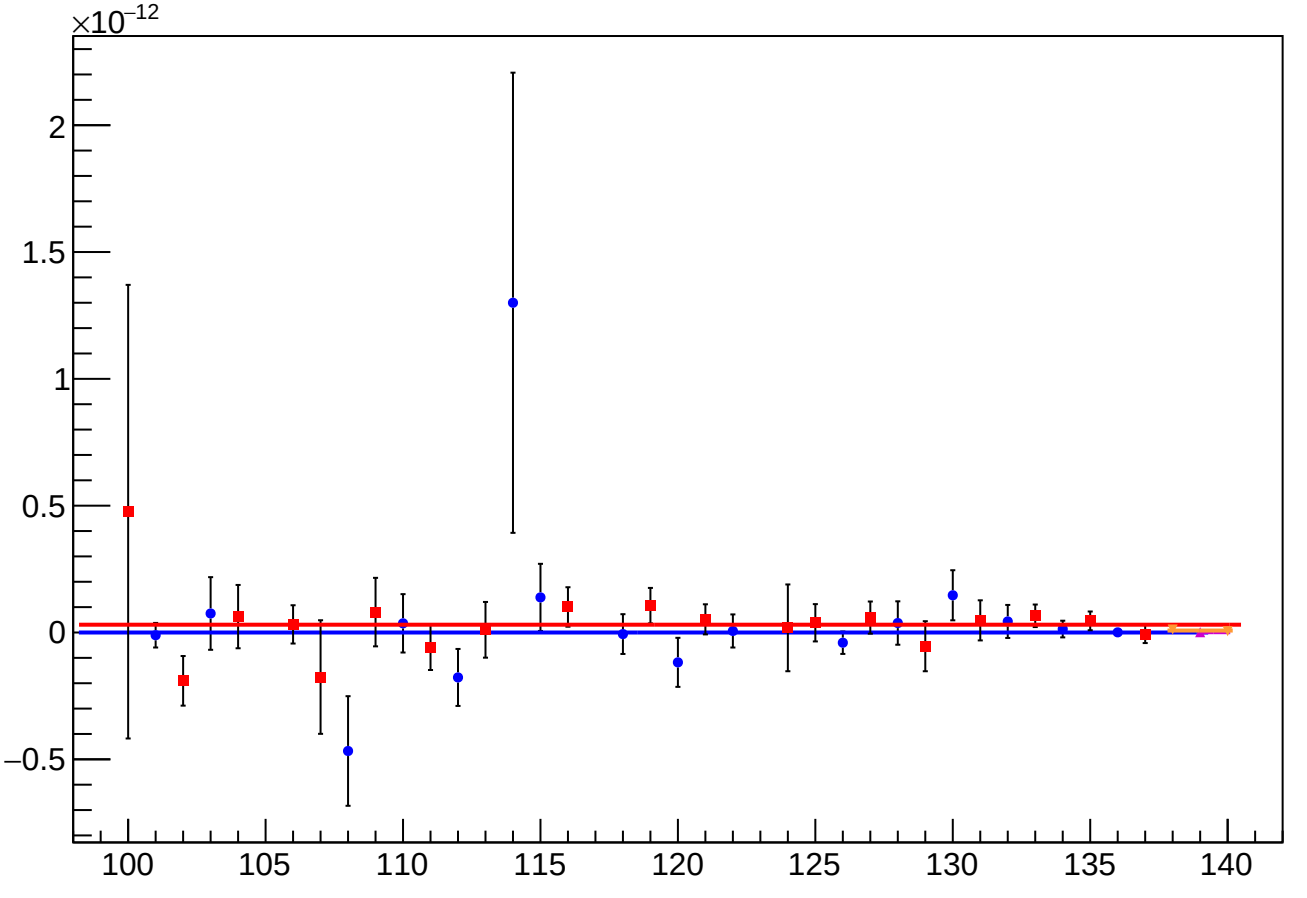
Left: 1857.918+/-0.836 χ^2/NDF: 202.4/2

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 2091.478+/-0.535 χ^2/NDF:902531.0/16

Out: 2109.169+/-0.510 χ^2/NDF:1026145.2/20

All: 2100.742+/-0.369 χ^2/NDF: 1929248.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

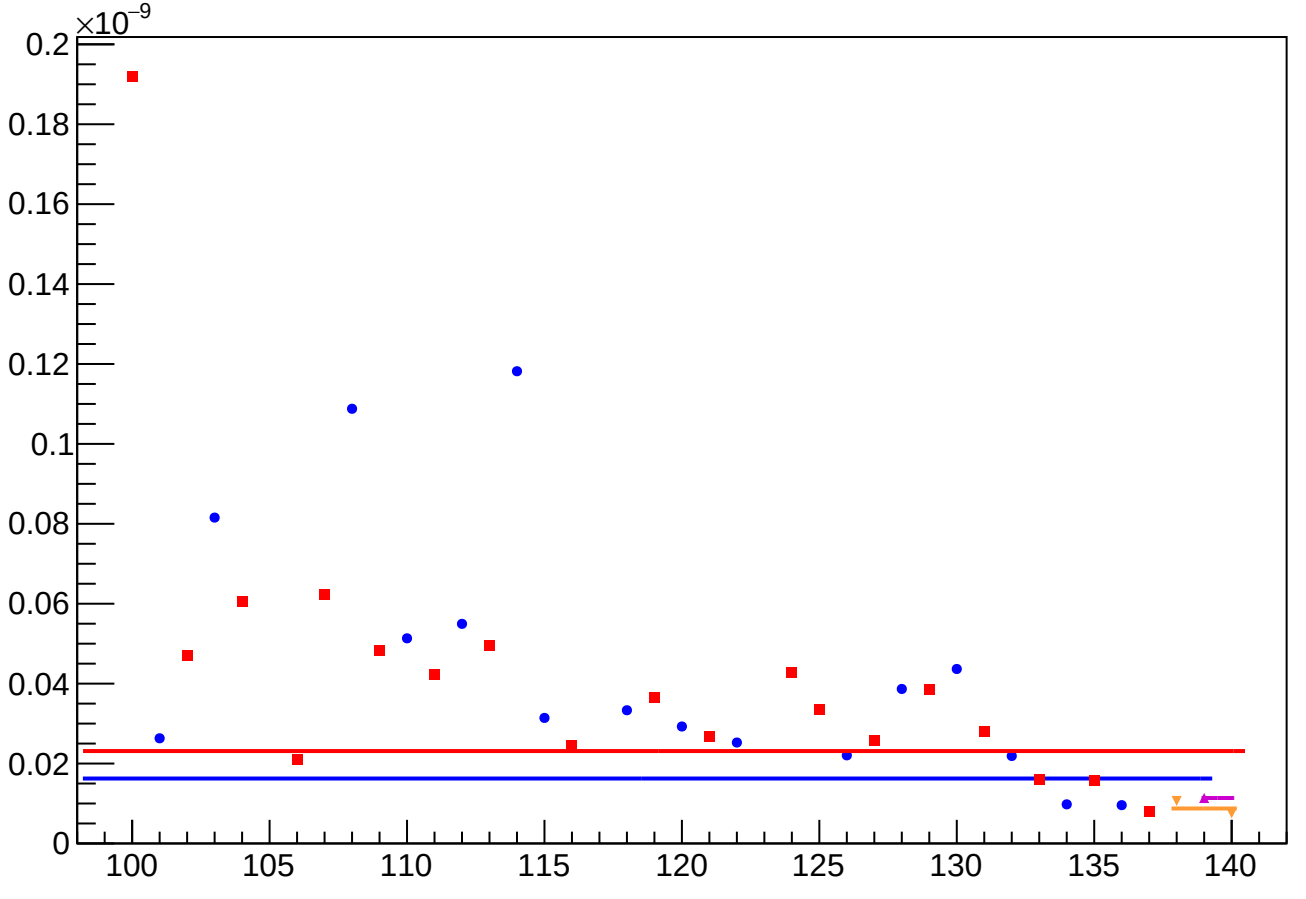
Left: 0.000+/-0.000 χ^2/NDF: 0.2/2

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:16.1/16

Out: 0.000+/-0.000 χ^2/NDF:14.0/20

All: 0.000+/-0.000 χ^2/NDF: 31.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:40332.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

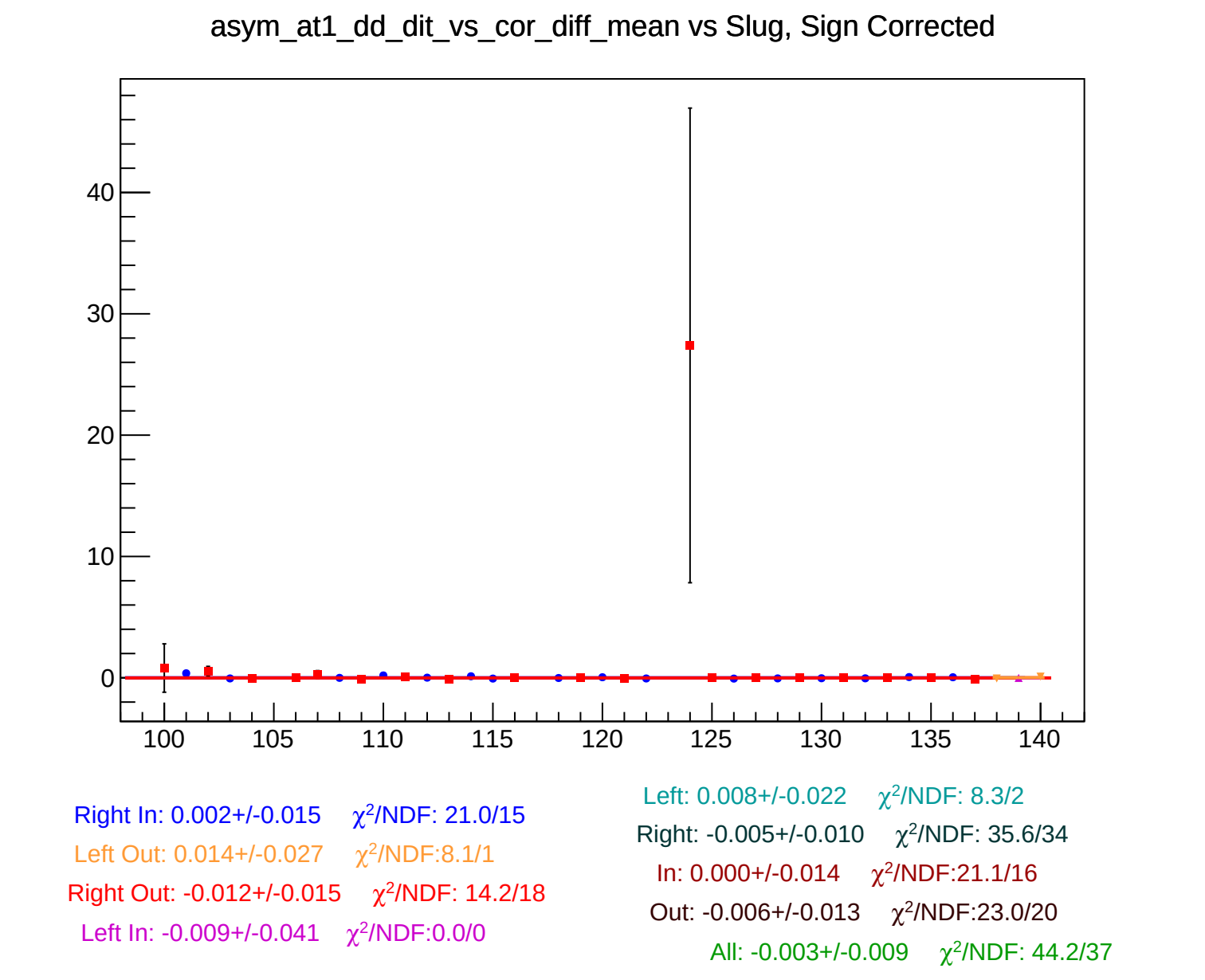
Left: 0.000+/-0.000 χ^2/NDF: 72227.1/2

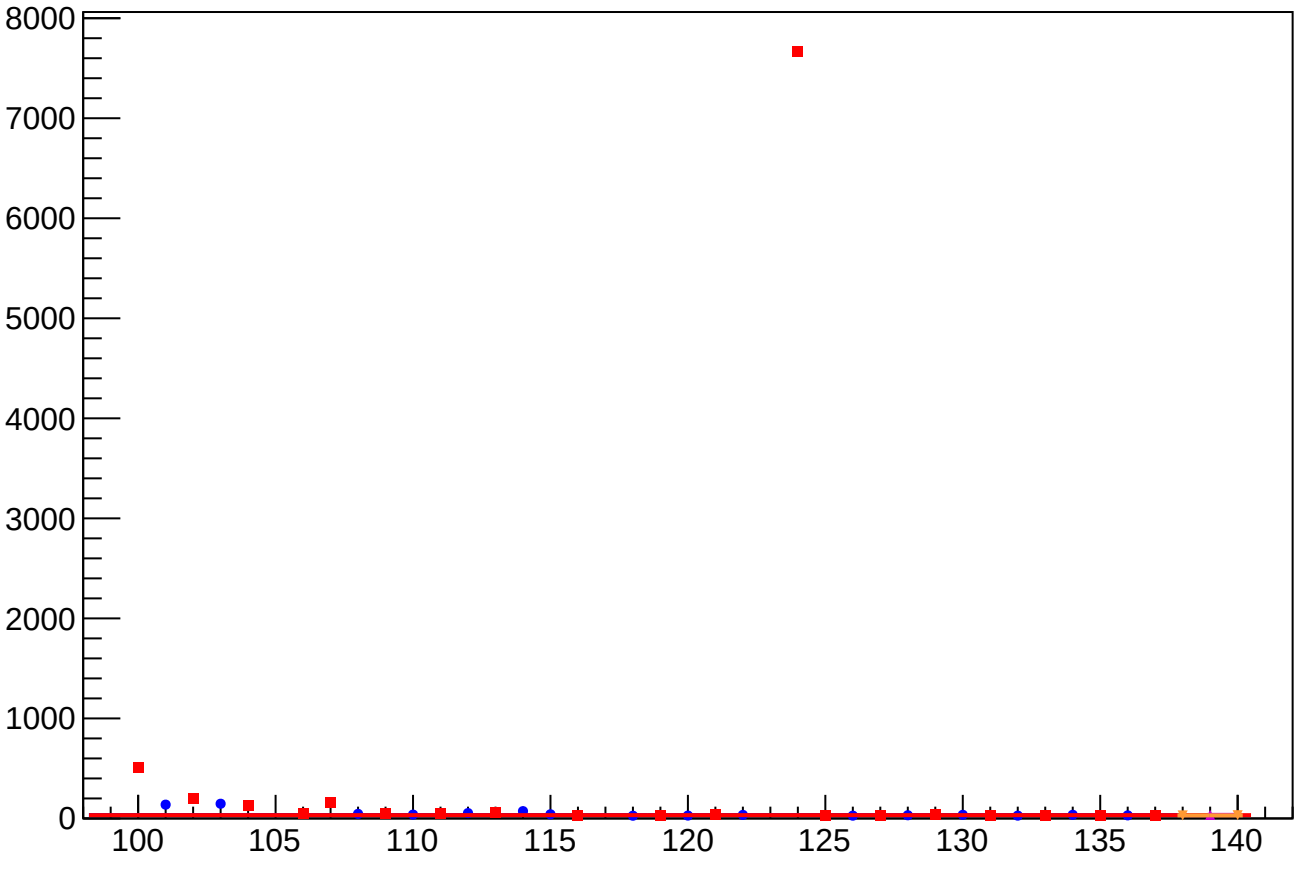
Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:2389981.4/16

Out: 0.000+/-0.000 χ^2/NDF:2601956.9/20

All: 0.000+/-0.000 χ^2/NDF: 5018289.1/37


asym_at1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
40
30
20
10
0
100
105
110
115
120
125
130
135
140
Right In: 0.002+/-0.015 χ²/NDF: 21.0/15
Left Out: 0.014+/-0.027 χ²/NDF:8.1/1
Right Out: -0.012+/-0.015 χ²/NDF: 14.2/18
Left In: -0.009+/-0.041 χ²/NDF:0.0/0
Left: 0.008+/-0.022 χ²/NDF: 8.3/2
Right: -0.005+/-0.010 χ²/NDF: 35.6/34
In: 0.000+/-0.014 χ²/NDF:21.1/16
Out: -0.006+/-0.013 χ²/NDF:23.0/20
All: -0.003+/-0.009 χ²/NDF: 44.2/37



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.153+/-0.019 χ^2/NDF:2433.5/1

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 35.965+/-0.029 χ^2/NDF:0.0/0

Left: 32.583+/-0.016 χ^2/NDF: 21593.5/2

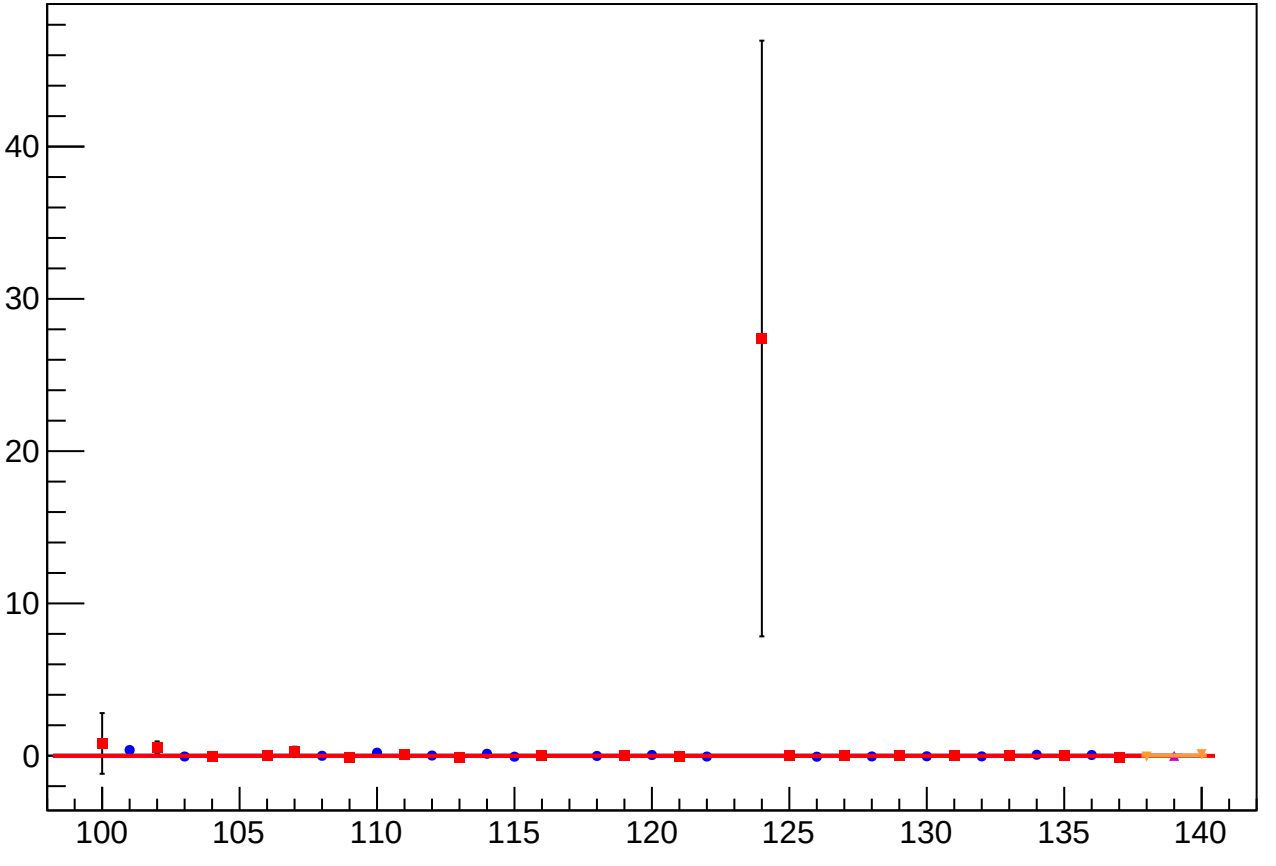
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.272+/-0.010 χ^2/NDF:1721072.4/16

Out: 32.629+/-0.009 χ^2/NDF:2085496.4/20

All: 33.396+/-0.007 χ^2/NDF: 3821481.4/37

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.027 χ^2/NDF:8.1/1

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.009+/-0.041 χ^2/NDF:0.0/0

Left: 0.008+/-0.022 χ^2/NDF: 8.3/2

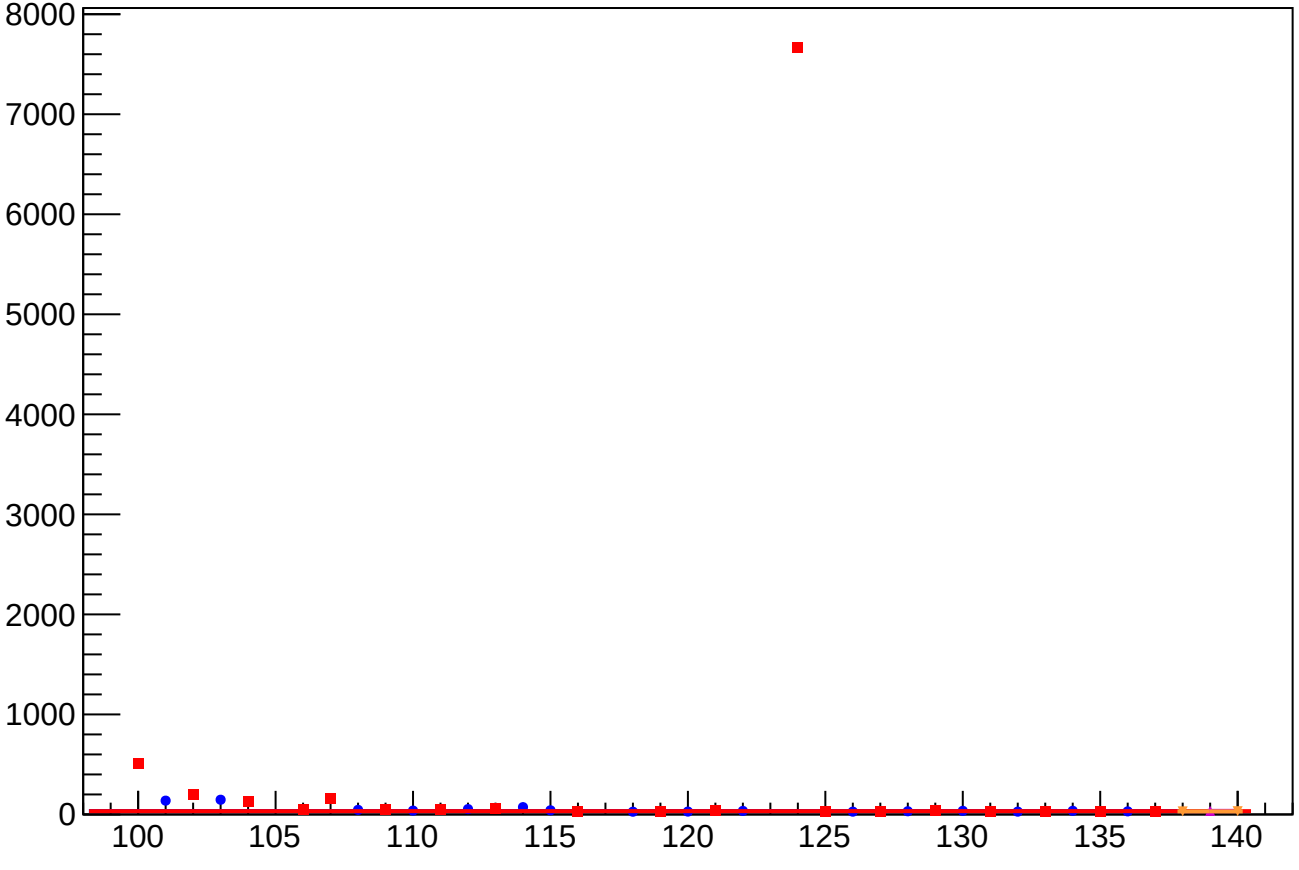
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.000+/-0.014 χ^2/NDF:21.1/16

Out: -0.006+/-0.013 χ^2/NDF:23.0/20

All: -0.003+/-0.009 χ^2/NDF: 44.2/37

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.153+/-0.019 χ^2/NDF:2433.5/1

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 35.965+/-0.029 χ^2/NDF:0.0/0

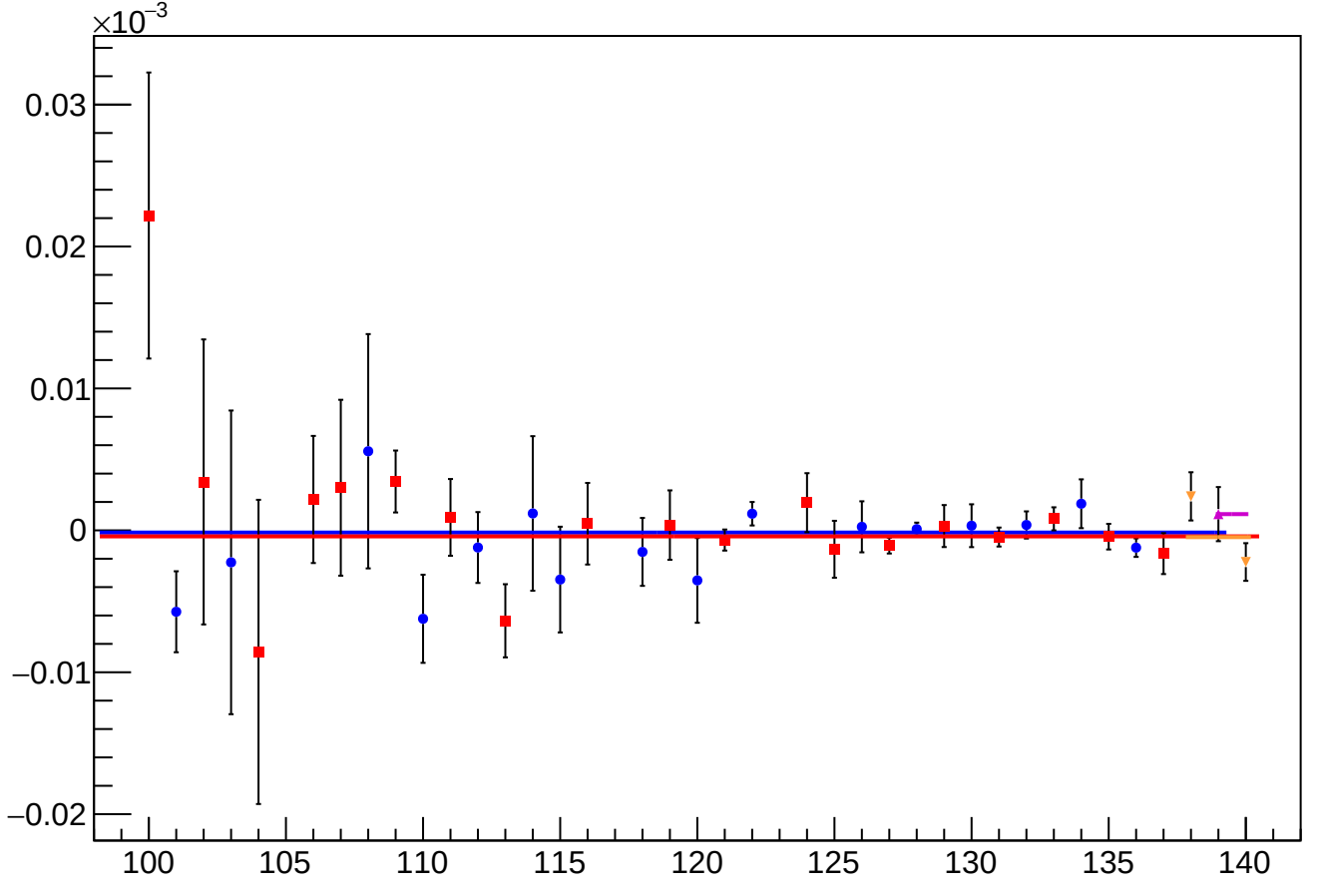
Left: 32.583+/-0.016 χ^2/NDF: 21593.5/2

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.272+/-0.010 χ^2/NDF:1721072.4/16

Out: 32.629+/-0.009 χ^2/NDF:2085496.4/20

All: 33.396+/-0.007 χ^2/NDF: 3821481.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

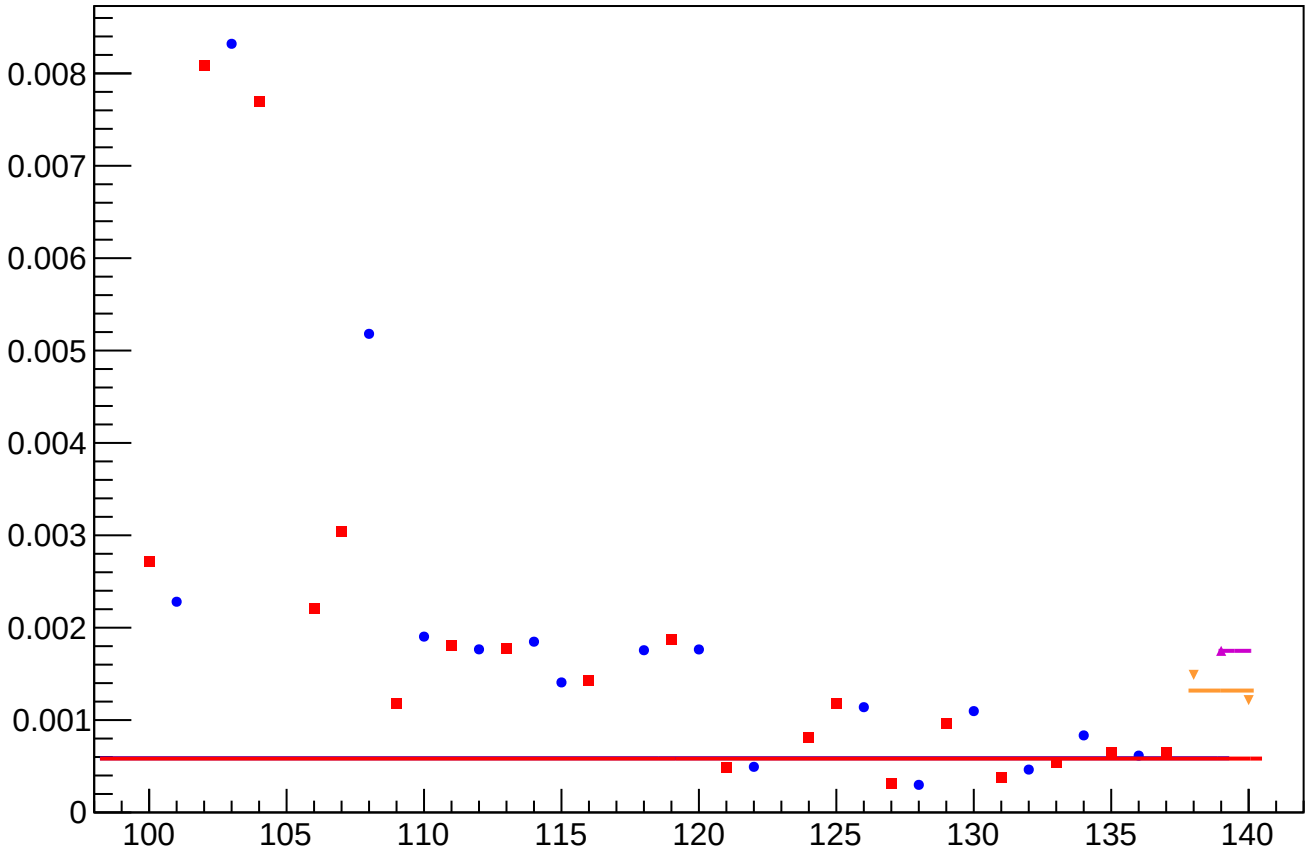
Left: -0.000+/-0.000 χ^2/NDF: 5.2/2

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:18.6/16

Out: -0.000+/-0.000 χ^2/NDF:26.2/20

All: -0.000+/-0.000 χ^2/NDF: 45.4/37



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:32211.7/1

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.002+/-0.000 χ^2/NDF:0.0/0

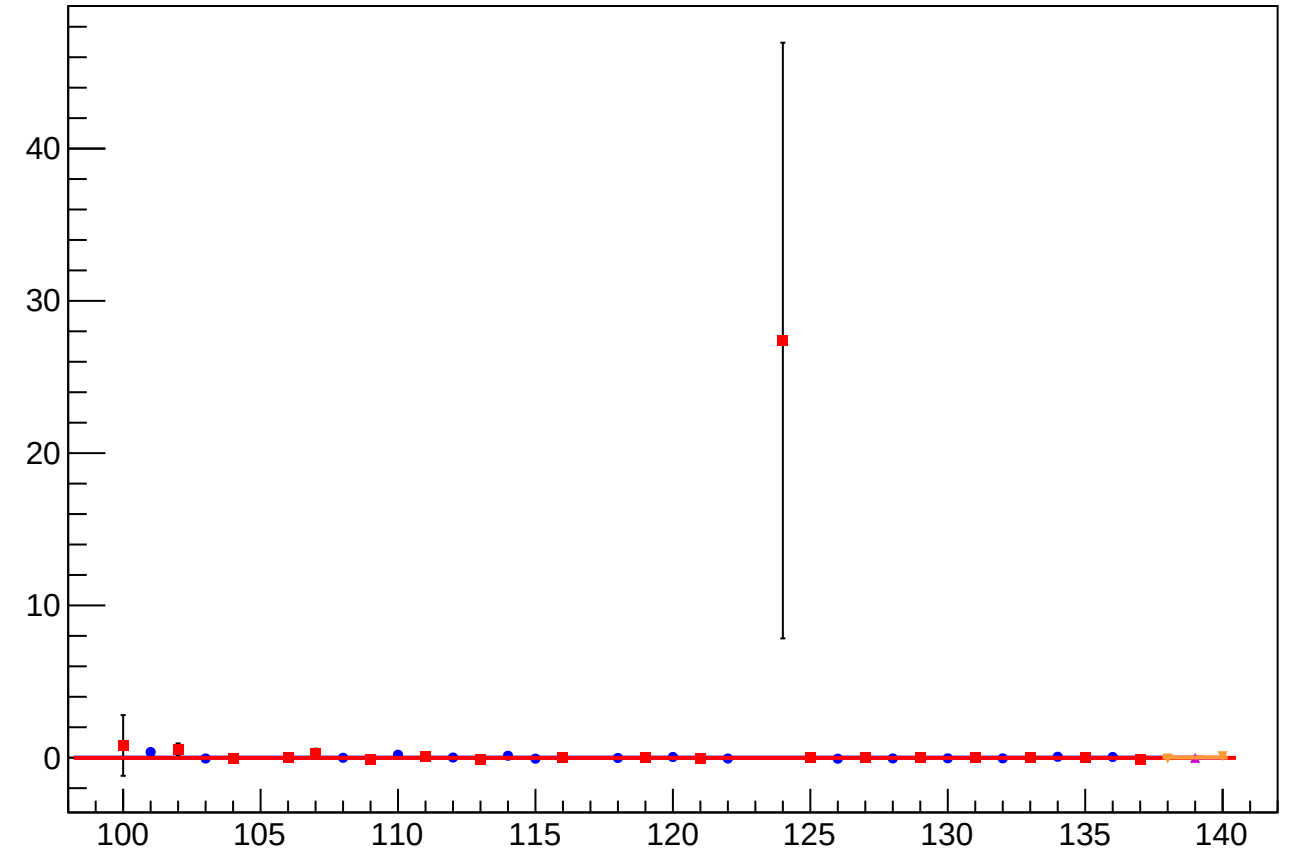
Left: 0.001+/-0.000 χ^2/NDF: 110442.1/2

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:6212550.2/16

Out: 0.001+/-0.000 χ^2/NDF:6386373.2/20

All: 0.001+/-0.000 χ^2/NDF: 12604118.2/37



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.027 χ^2/NDF:8.1/1

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.009+/-0.041 χ^2/NDF:0.0/0

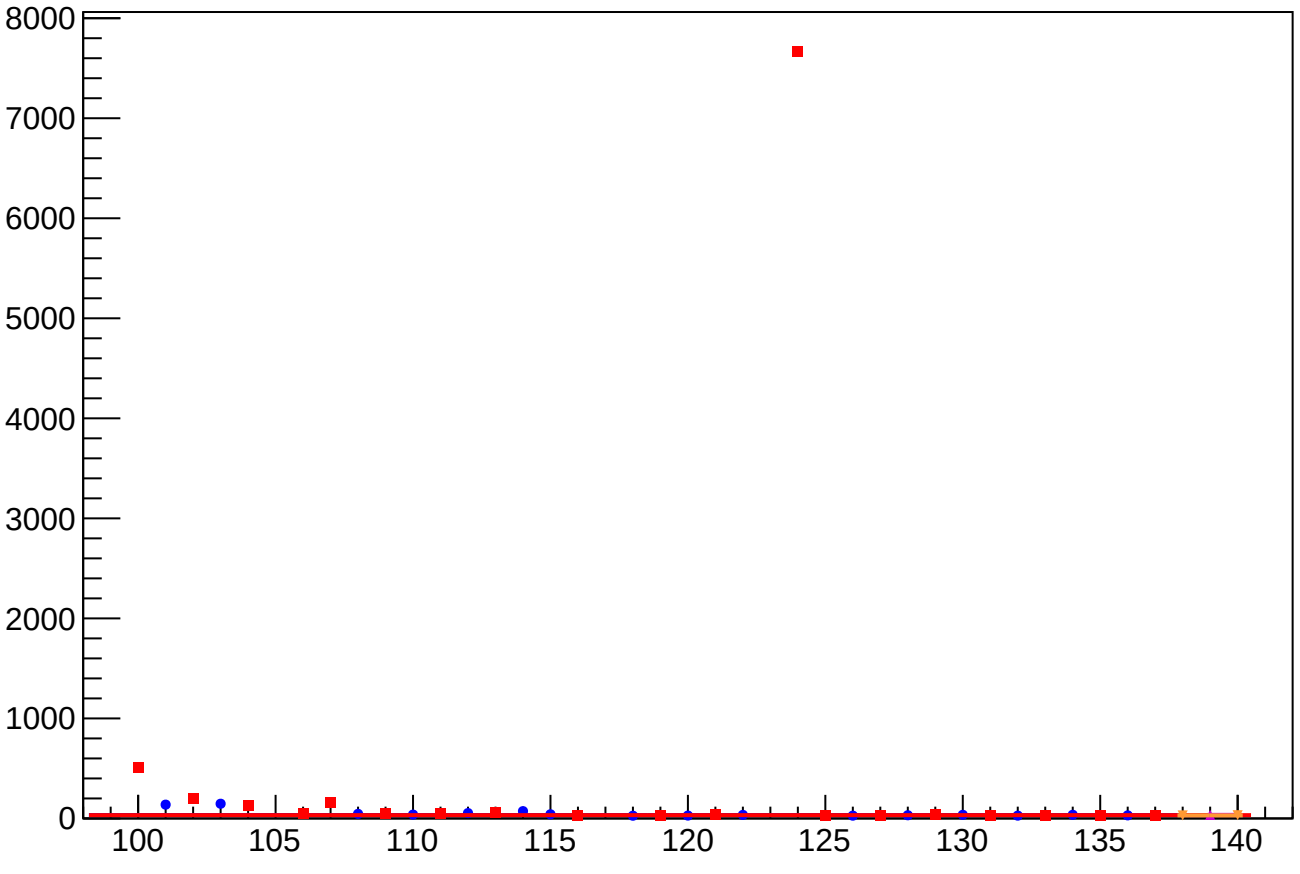
Left: 0.008+/-0.022 χ^2/NDF: 8.3/2

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.000+/-0.014 χ^2/NDF:21.1/16

Out: -0.006+/-0.013 χ^2/NDF:23.0/20

All: -0.003+/-0.009 χ^2/NDF: 44.2/37



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.152+/-0.019 χ^2/NDF:2434.3/1

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 35.965+/-0.029 χ^2/NDF:0.0/0

Left: 32.582+/-0.016 χ^2/NDF: 21598.2/2

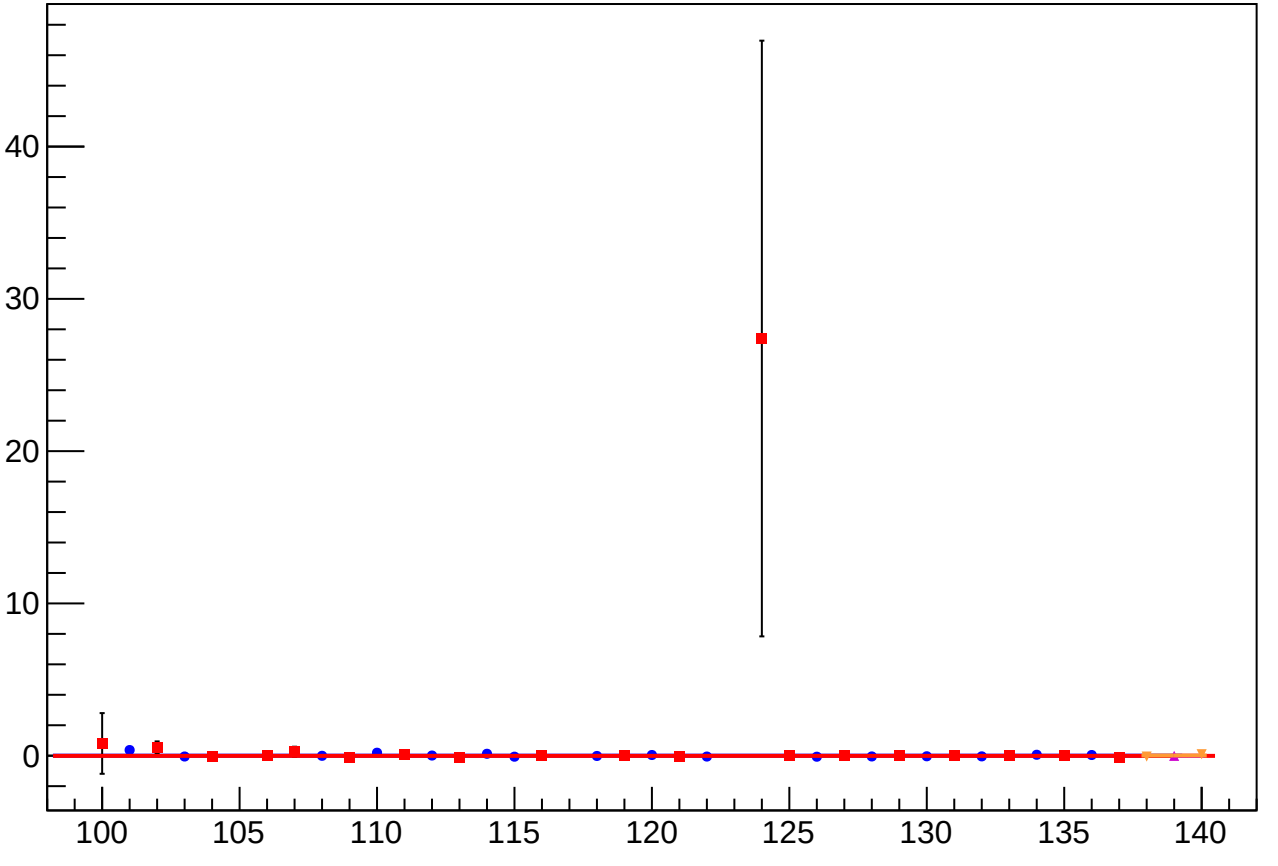
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.272+/-0.010 χ^2/NDF:1721060.9/16

Out: 32.629+/-0.009 χ^2/NDF:2085481.2/20

All: 33.396+/-0.007 χ^2/NDF: 3821458.3/37

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.027 χ^2/NDF:8.1/1

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.009+/-0.041 χ^2/NDF:0.0/0

Left: 0.008+/-0.022 χ^2/NDF: 8.3/2

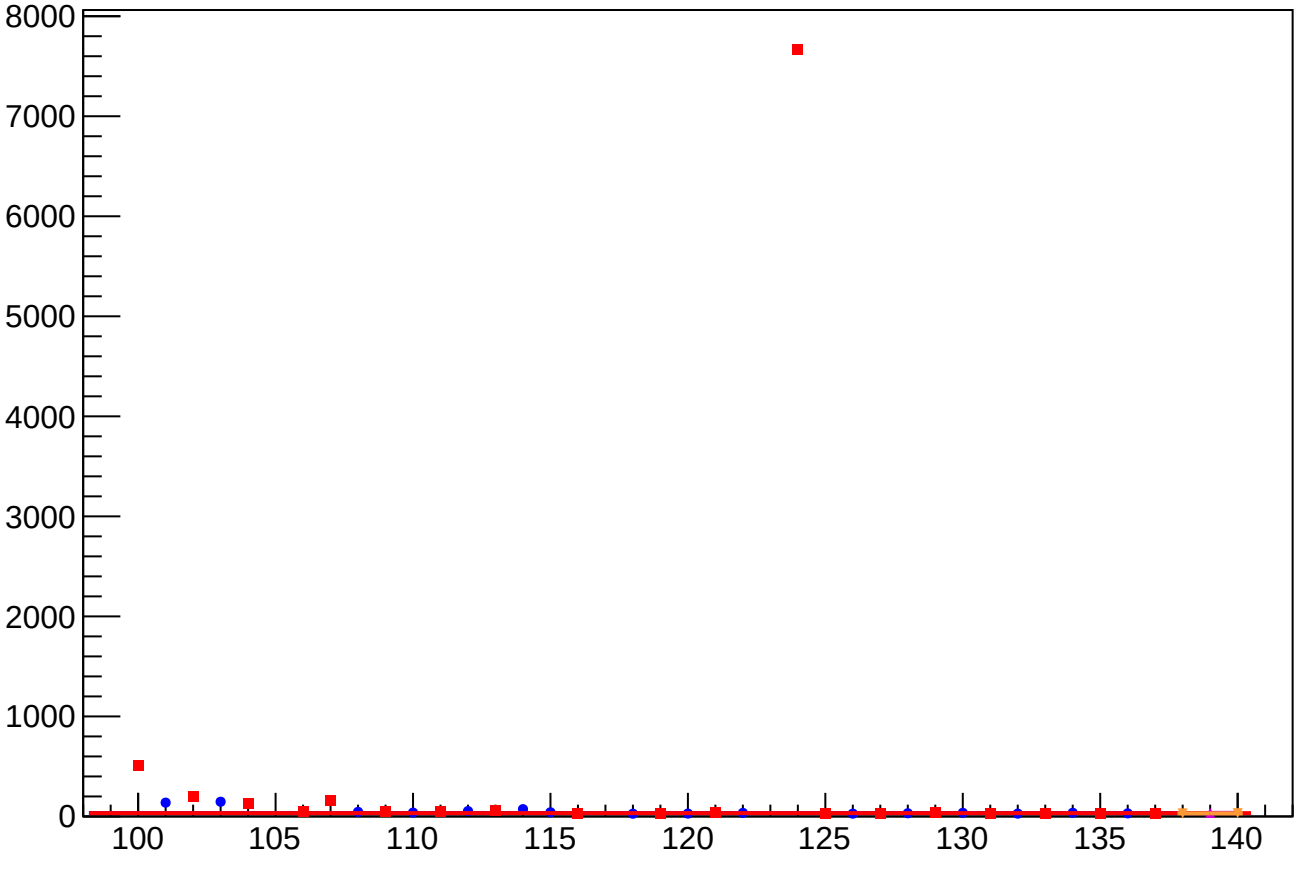
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.000+/-0.014 χ^2/NDF:21.1/16

Out: -0.006+/-0.013 χ^2/NDF:23.0/20

All: -0.003+/-0.009 χ^2/NDF: 44.2/37

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.152+/-0.019 χ^2/NDF:2434.3/1

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 35.965+/-0.029 χ^2/NDF:0.0/0

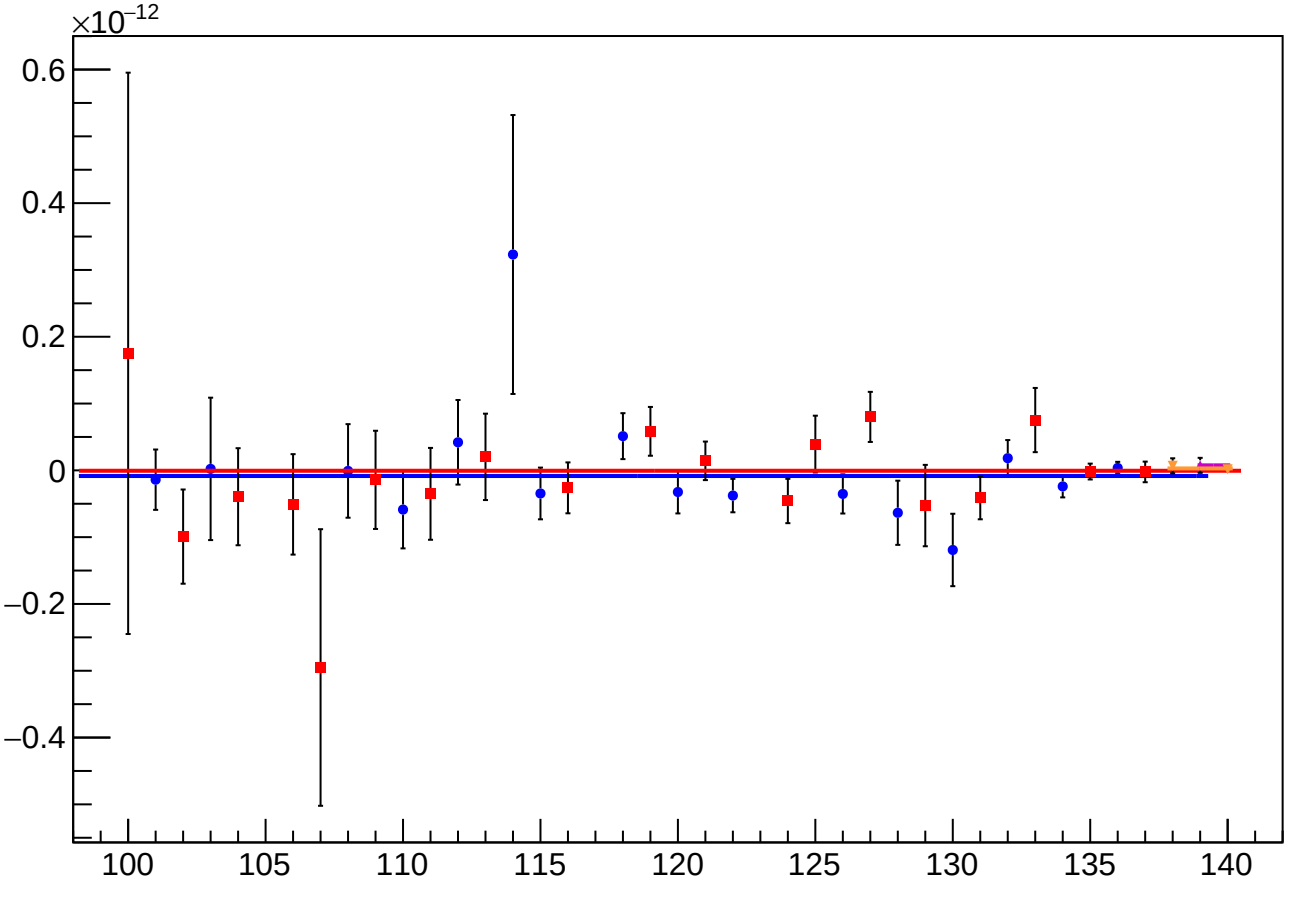
Left: 32.582+/-0.016 χ^2/NDF: 21598.2/2

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.272+/-0.010 χ^2/NDF:1721060.9/16

Out: 32.629+/-0.009 χ^2/NDF:2085481.2/20

All: 33.396+/-0.007 χ^2/NDF: 3821458.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

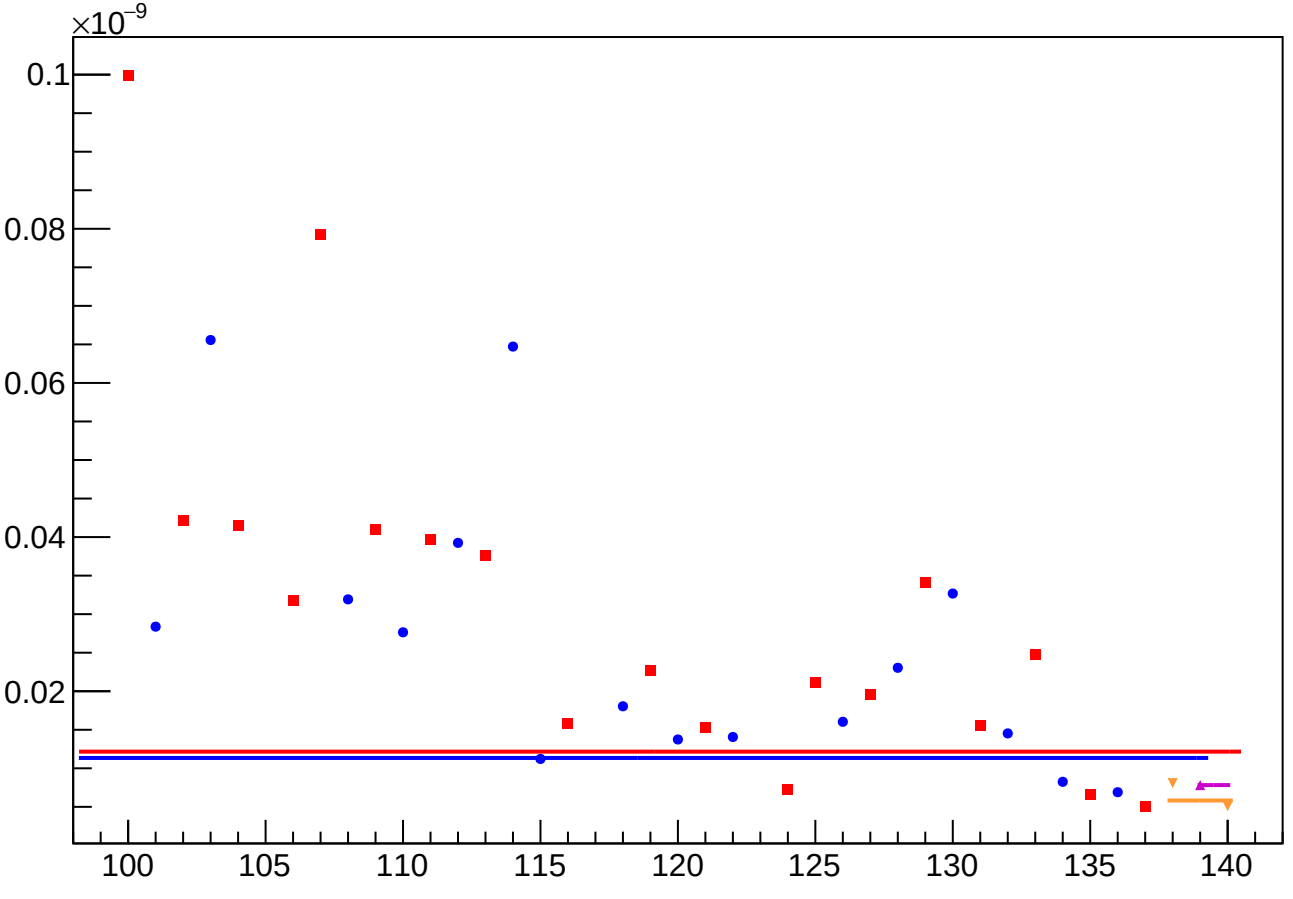
Left: 0.000+/-0.000 χ^2/NDF: 0.3/2

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: -0.000+/-0.000 χ^2/NDF:20.8/16

Out: 0.000+/-0.000 χ^2/NDF:21.1/20

All: -0.000+/-0.000 χ^2/NDF: 42.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:106627.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 157213.7/2

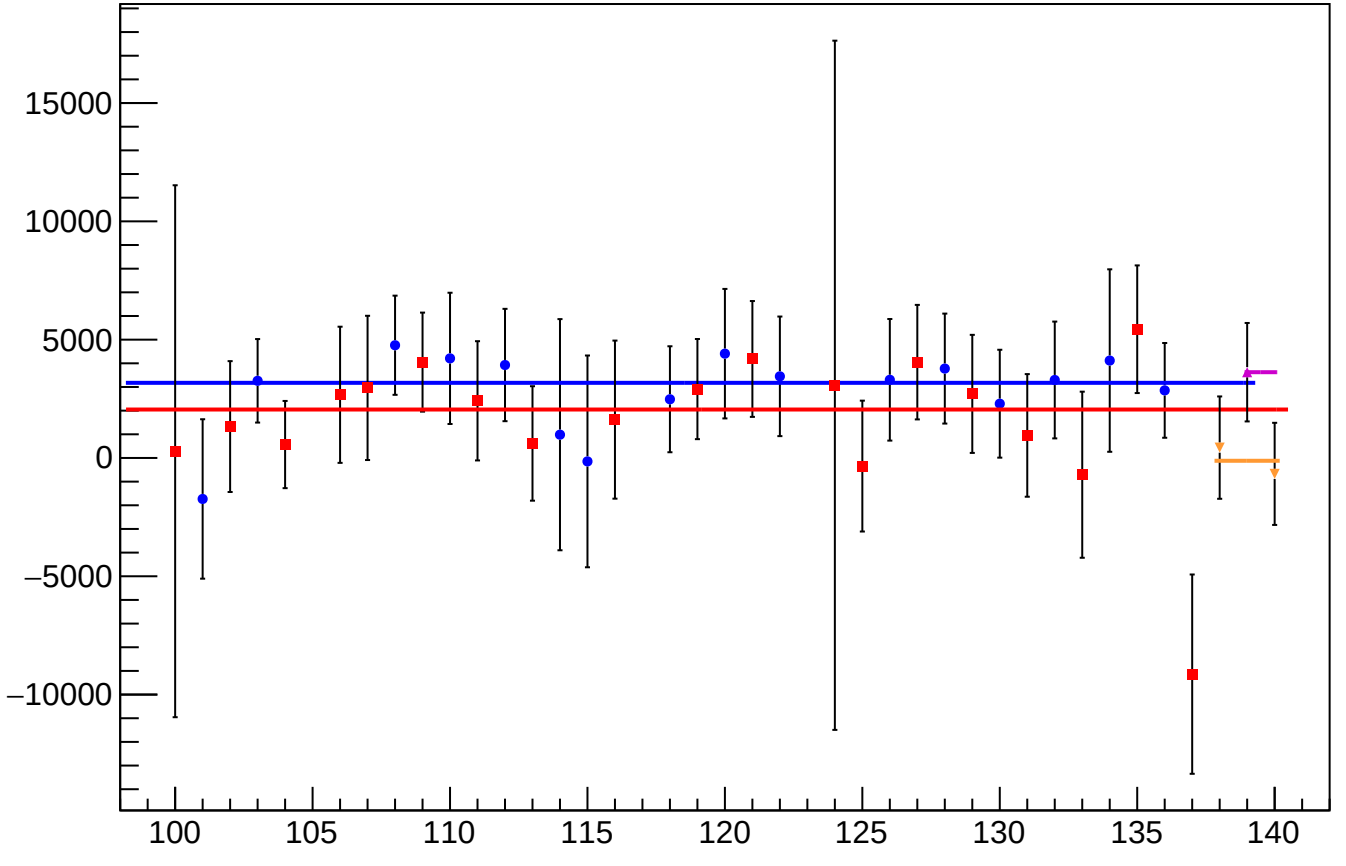
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:2961769.5/16

Out: 0.000+/-0.000 χ^2/NDF:4821692.5/20

All: 0.000+/-0.000 χ^2/NDF: 7991091.7/37

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: -118.874+/-1527.614 χ^2/NDF:0.1/1

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3624.640+/-2080.600 χ^2/NDF:0.0/0

Left: 1192.327+/-1231.356 χ^2/NDF: 2.2/2

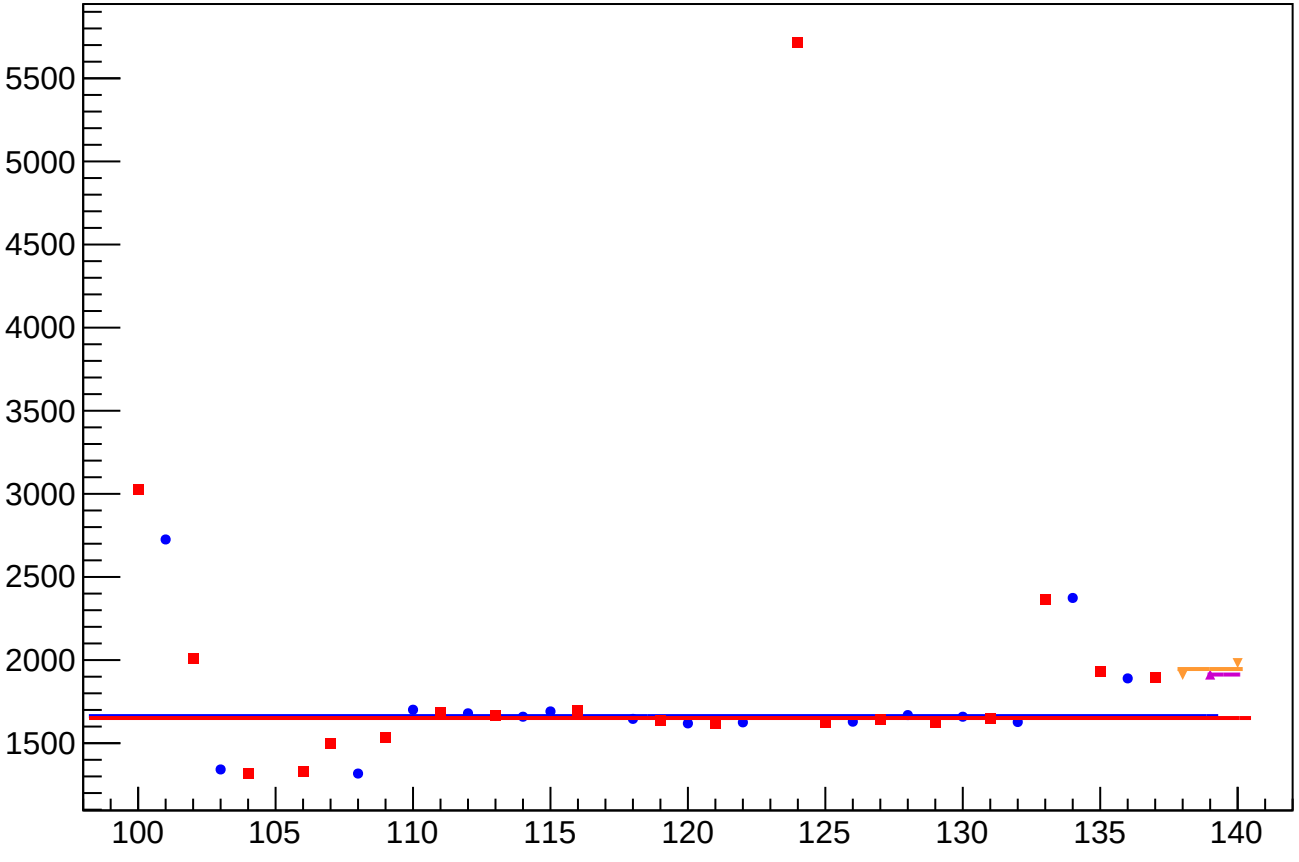
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3213.092+/-601.203 χ^2/NDF:4.4/16

Out: 1739.760+/-575.678 χ^2/NDF:15.9/20

All: 2444.487+/-415.797 χ^2/NDF: 23.4/37

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1946.135+/-1.080 χ^2/NDF:1080.6/1

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1912.909+/-1.471 χ^2/NDF:0.0/0

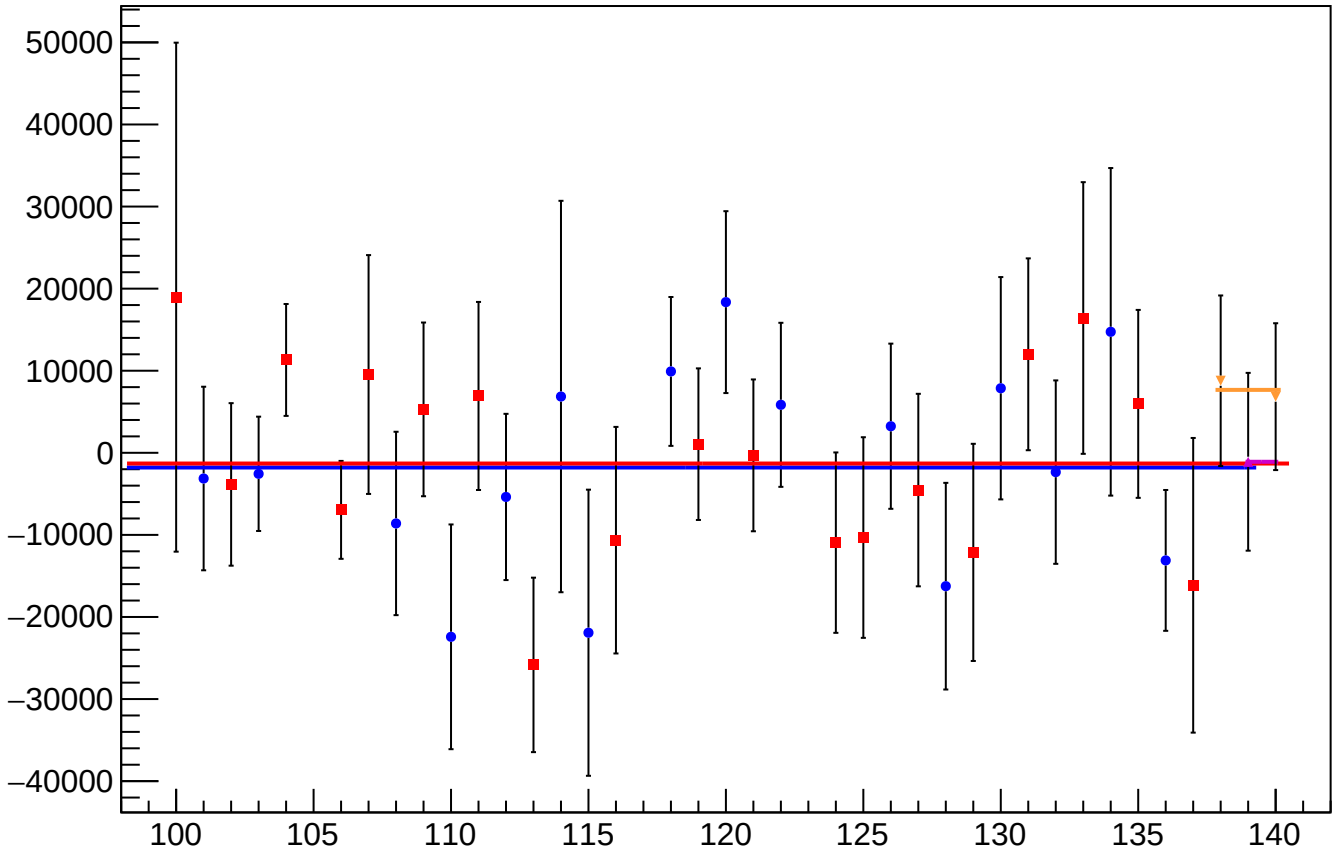
Left: 1934.497+/-0.871 χ^2/NDF: 1412.0/2

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1683.776+/-0.425 χ^2/NDF:442097.1/16

Out: 1693.190+/-0.407 χ^2/NDF:496956.9/20

All: 1688.687+/-0.294 χ^2/NDF: 939309.8/37



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 7665.554+/-6778.310 χ^2/NDF:0.0/1

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: -1092.838+/-10830.555 χ^2/NDF:0.0/0

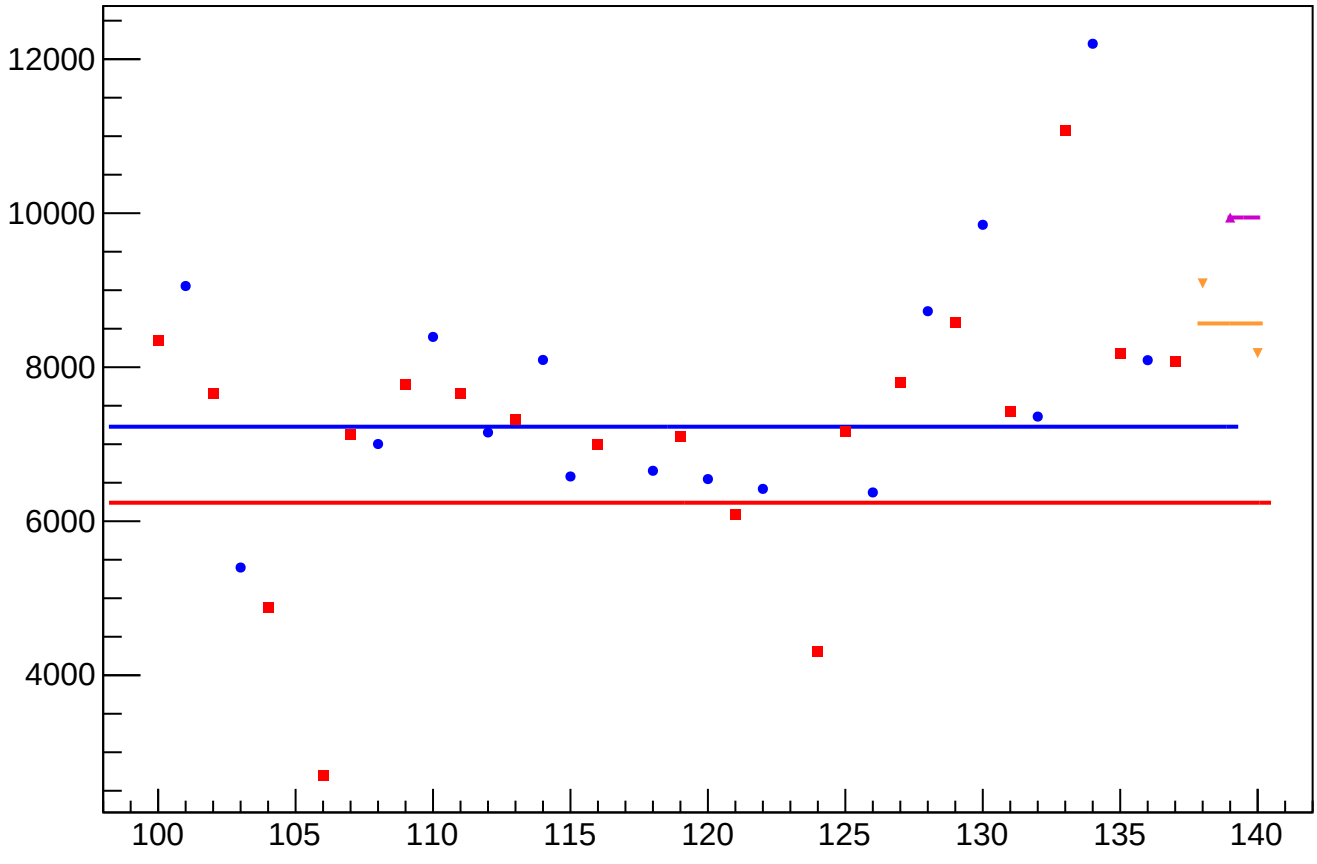
Left: 5200.517+/-5745.798 χ^2/NDF: 0.5/2

Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -1748.928+/-2659.608 χ^2/NDF:14.3/16

Out: -284.517+/-2287.503 χ^2/NDF:19.3/20

All: -907.194+/-1734.274 χ^2/NDF: 33.8/37



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 8568.385+/-4.793 χ^2/NDF:8708.5/1

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 9944.196+/-7.658 χ^2/NDF:0.0/0

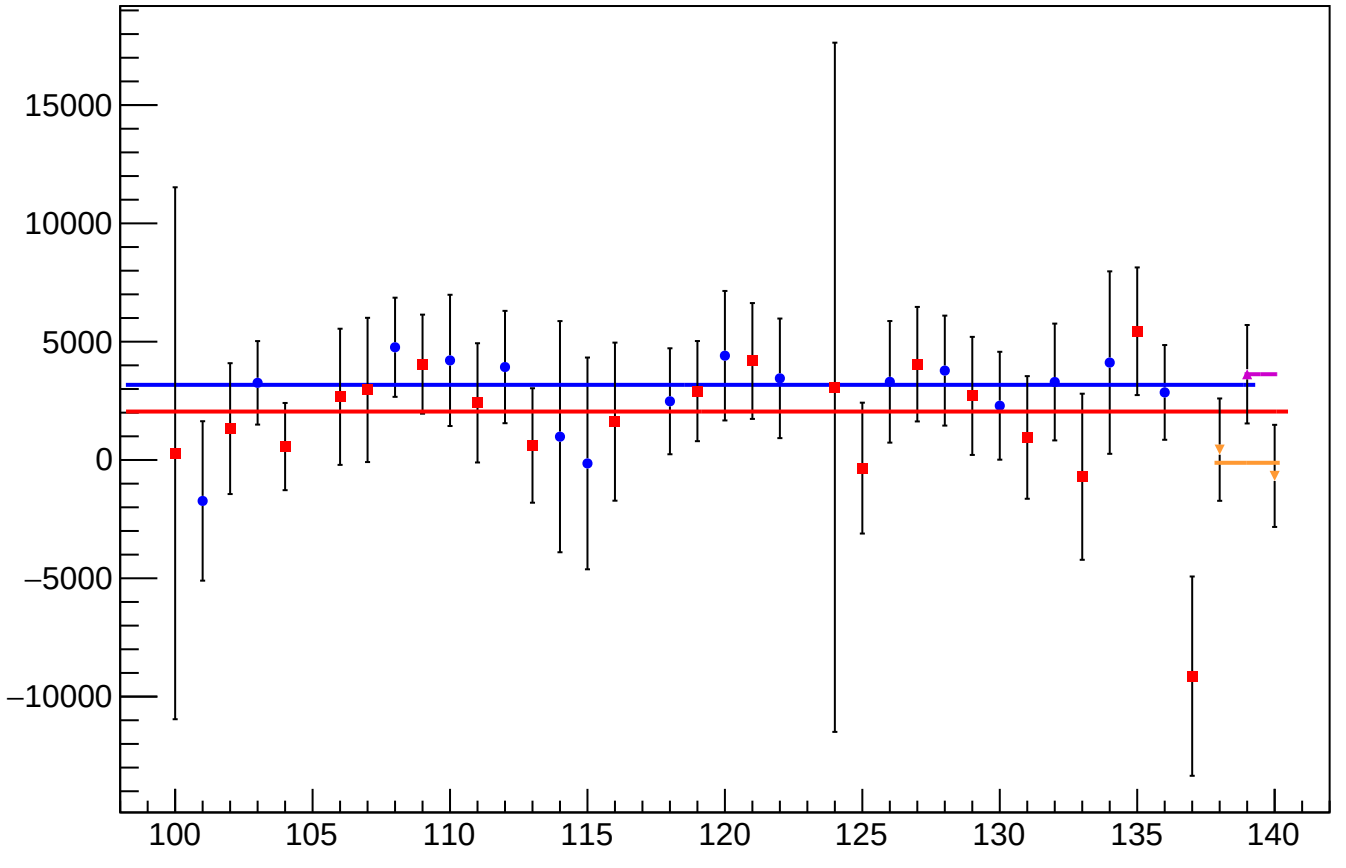
Left: 8955.605+/-4.063 χ^2/NDF: 31898.7/2

Right: 6674.473+/-1.286 χ^2/NDF: 2047393.1/34

In: 7391.408+/-1.881 χ^2/NDF:621502.4/16

Out: 6505.670+/-1.618 χ^2/NDF:1616800.8/20

All: 6882.292+/-1.226 χ^2/NDF: 2365805.1/37



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -118.698+/-1527.614 χ^2/NDF:0.1/1

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3624.646+/-2080.600 χ^2/NDF:0.0/0

Left: 1192.443+/-1231.356 χ^2/NDF: 2.2/2

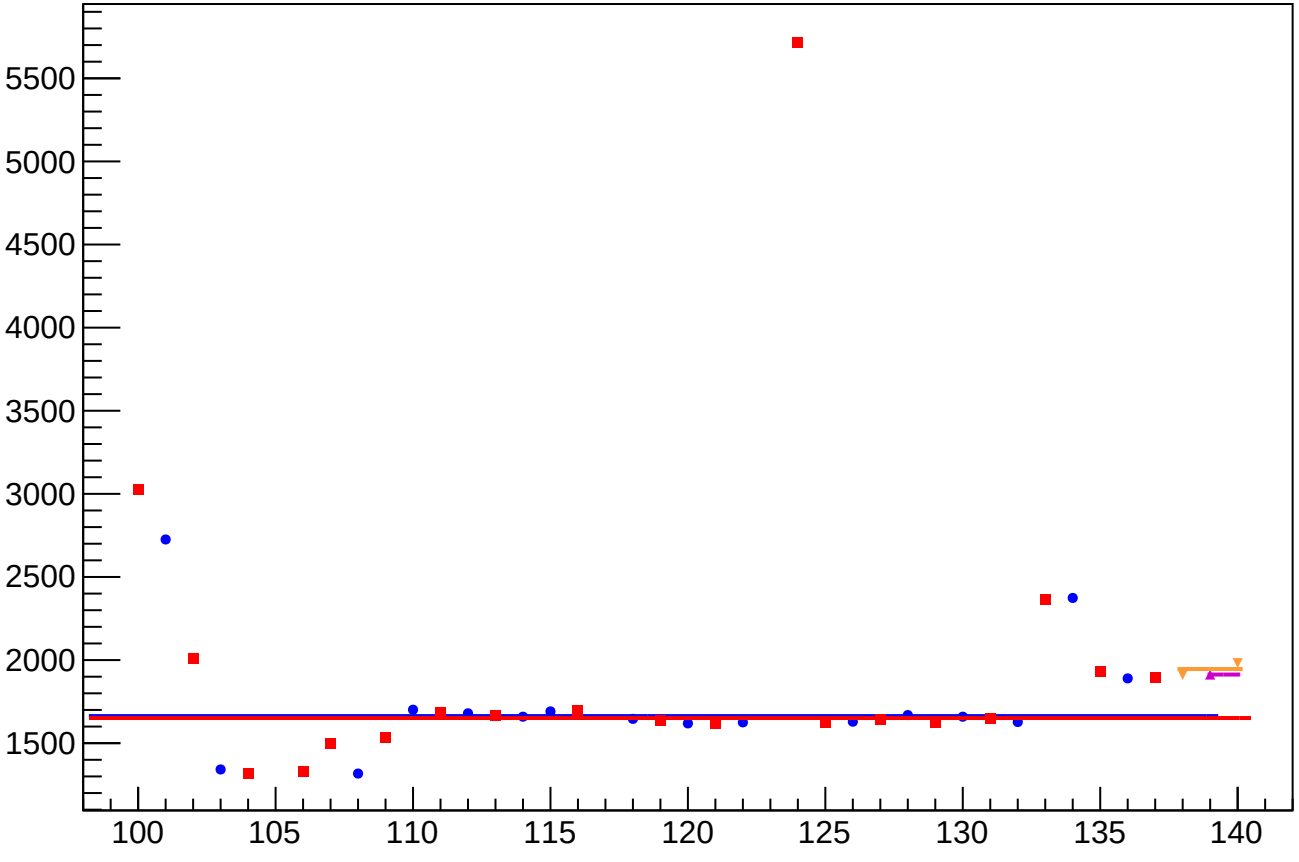
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3213.175+/-601.203 χ^2/NDF:4.3/16

Out: 1739.619+/-575.678 χ^2/NDF:15.9/20

All: 2444.452+/-415.797 χ^2/NDF: 23.4/37

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1946.135+/-1.080 χ^2/NDF:1080.6/1

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1912.909+/-1.471 χ^2/NDF:0.0/0

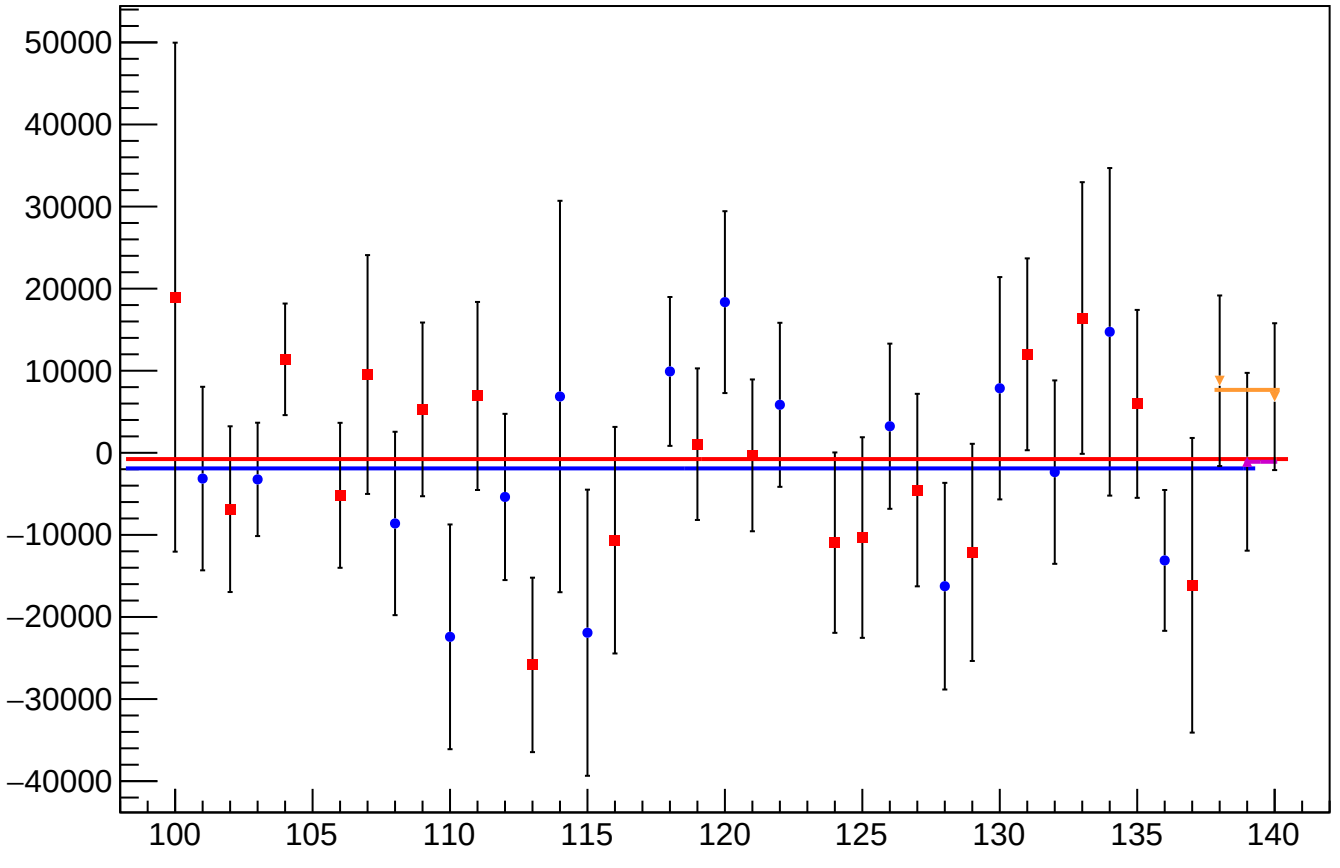
Left: 1934.497+/-0.871 χ^2/NDF: 1412.0/2

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1683.776+/-0.425 χ^2/NDF:442097.4/16

Out: 1693.189+/-0.407 χ^2/NDF:496957.0/20

All: 1688.687+/-0.294 χ^2/NDF: 939310.2/37



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 7665.707+/-6778.300 χ^2/NDF:0.0/1

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: -1092.778+/-10830.548 χ^2/NDF:0.0/0

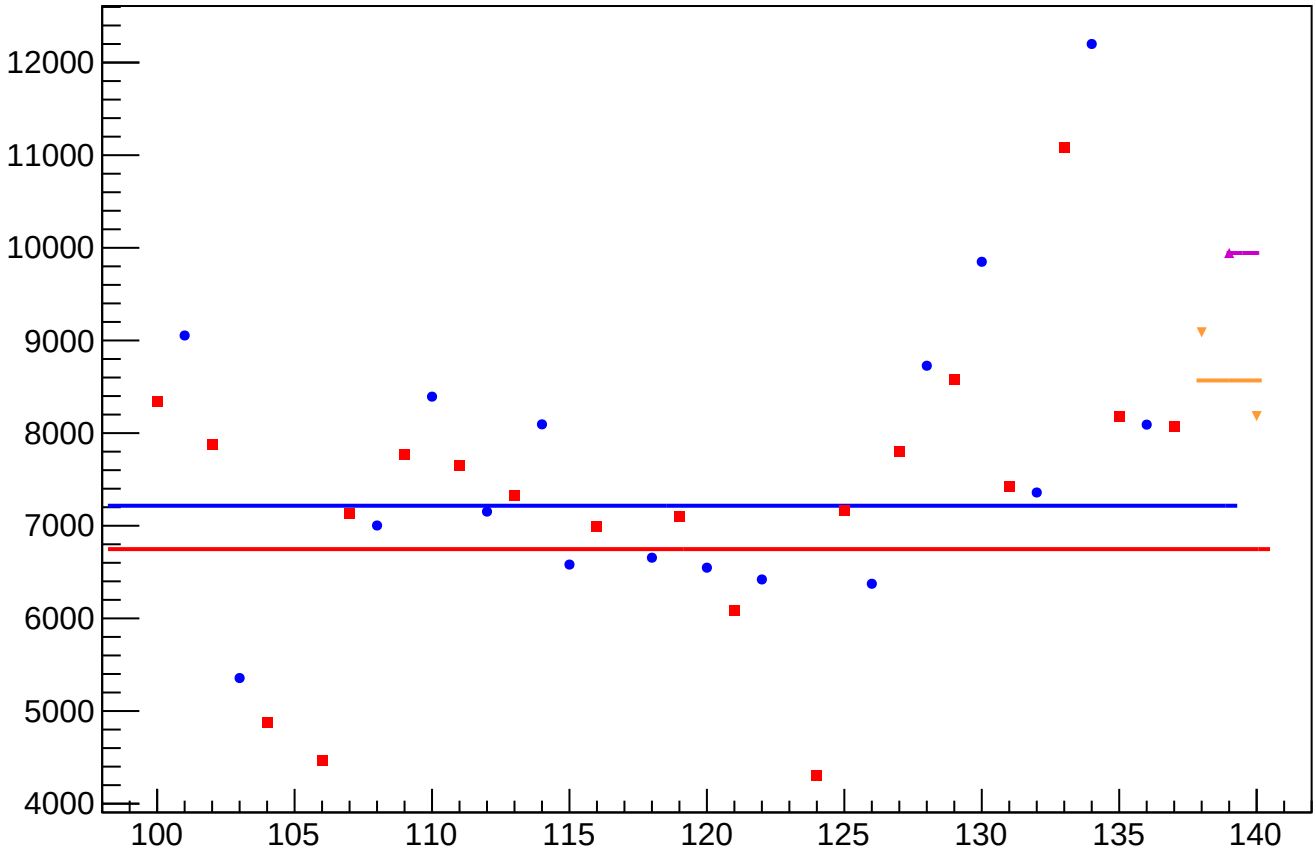
Left: 5200.646+/-5745.790 χ^2/NDF: 0.5/2

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -1851.562+/-2656.271 χ^2/NDF:14.4/16

Out: 282.380+/-2386.649 χ^2/NDF:18.7/20

All: -670.825+/-1775.309 χ^2/NDF: 33.4/37



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8568.370+/-4.793 χ^2/NDF:8708.8/1

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 9944.190+/-7.658 χ^2/NDF:0.0/0

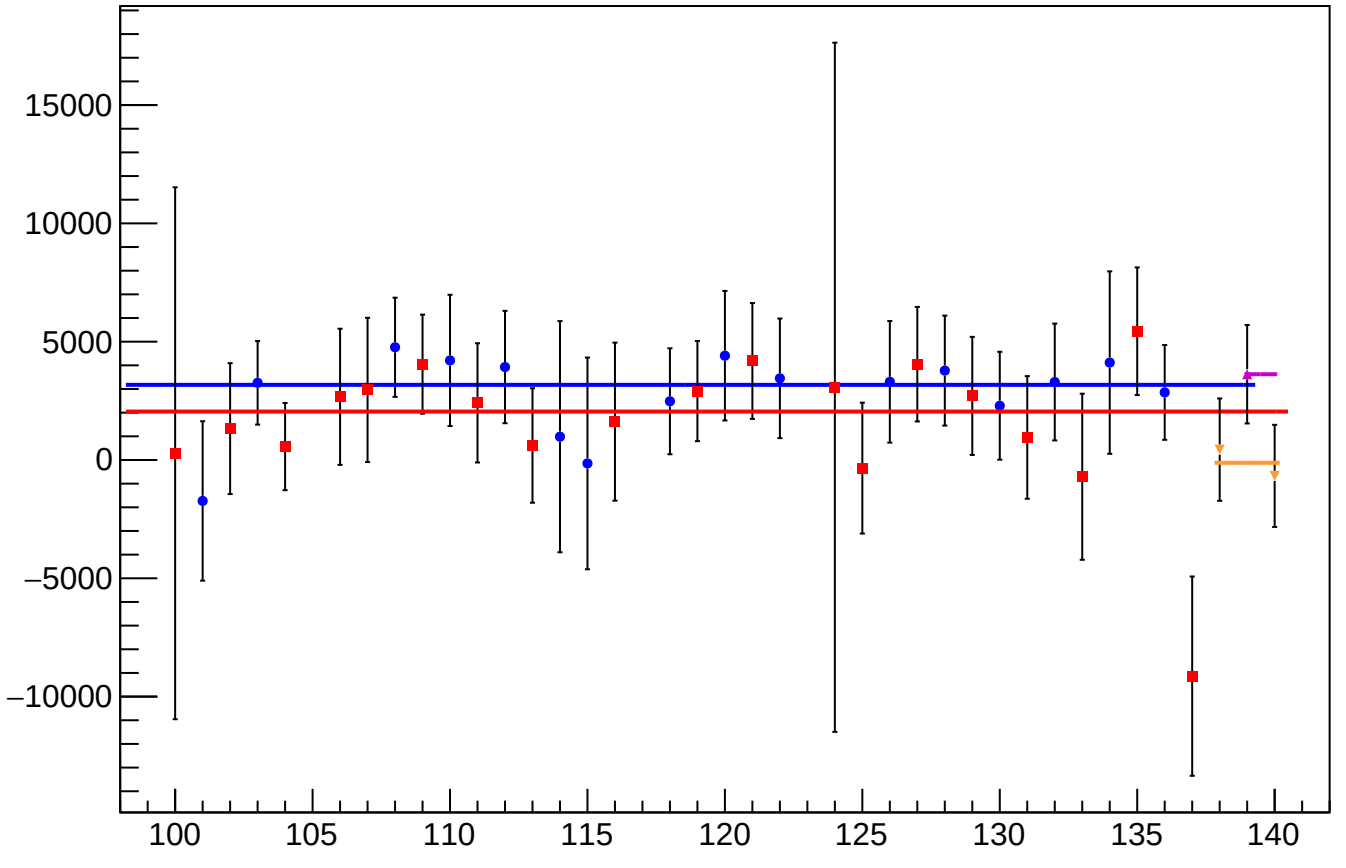
Left: 8955.592+/-4.063 χ^2/NDF: 31899.3/2

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7380.131+/-1.878 χ^2/NDF:631395.2/16

Out: 6973.450+/-1.688 χ^2/NDF:843902.9/20

All: 7155.109+/-1.255 χ^2/NDF: 1501237.7/37



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -118.698+/-1527.614 χ^2/NDF:0.1/1

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3624.646+/-2080.600 χ^2/NDF:0.0/0

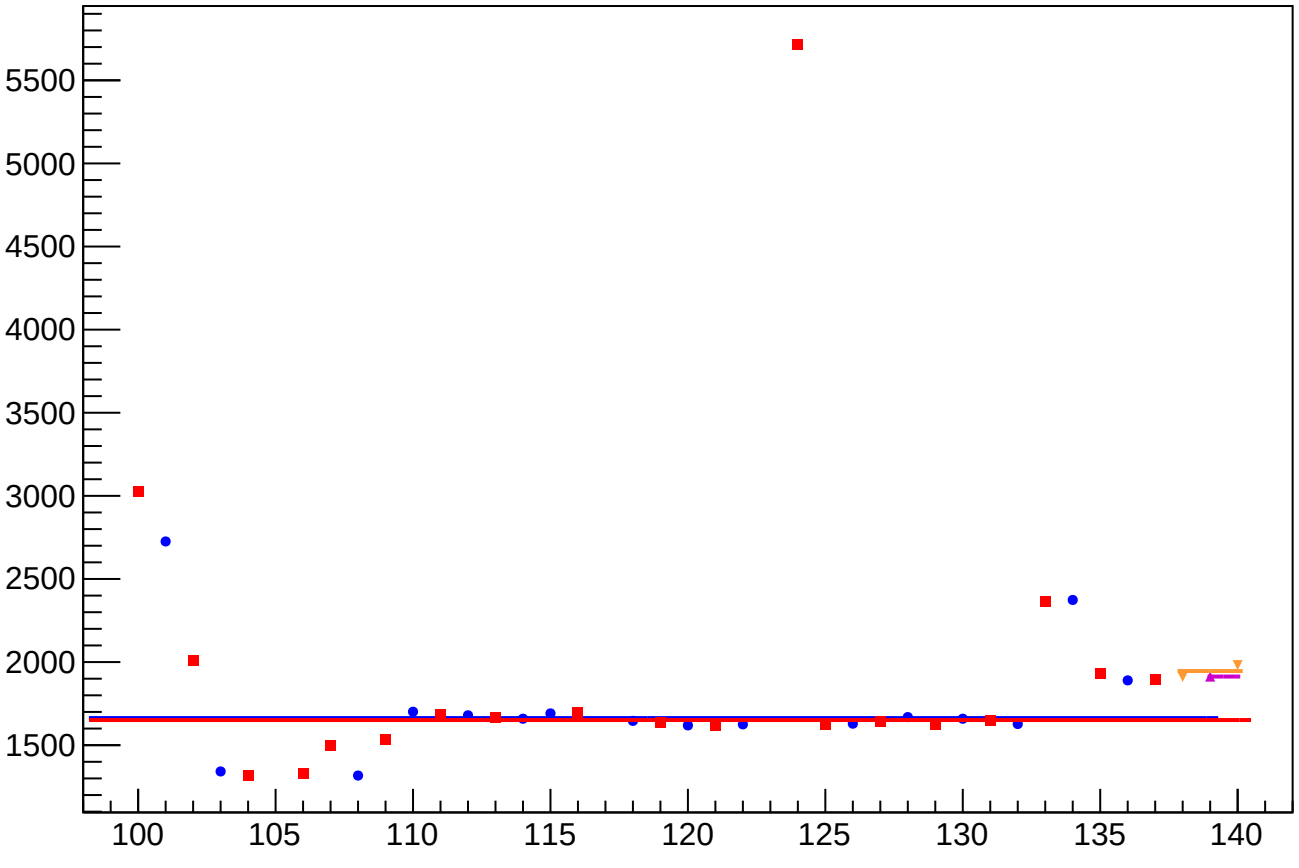
Left: 1192.443+/-1231.356 χ^2/NDF: 2.2/2

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3213.175+/-601.203 χ^2/NDF:4.3/16

Out: 1739.619+/-575.678 χ^2/NDF:15.9/20

All: 2444.452+/-415.797 χ^2/NDF: 23.4/37



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1946.135+/-1.080 χ^2/NDF:1080.6/1

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1912.909+/-1.471 χ^2/NDF:0.0/0

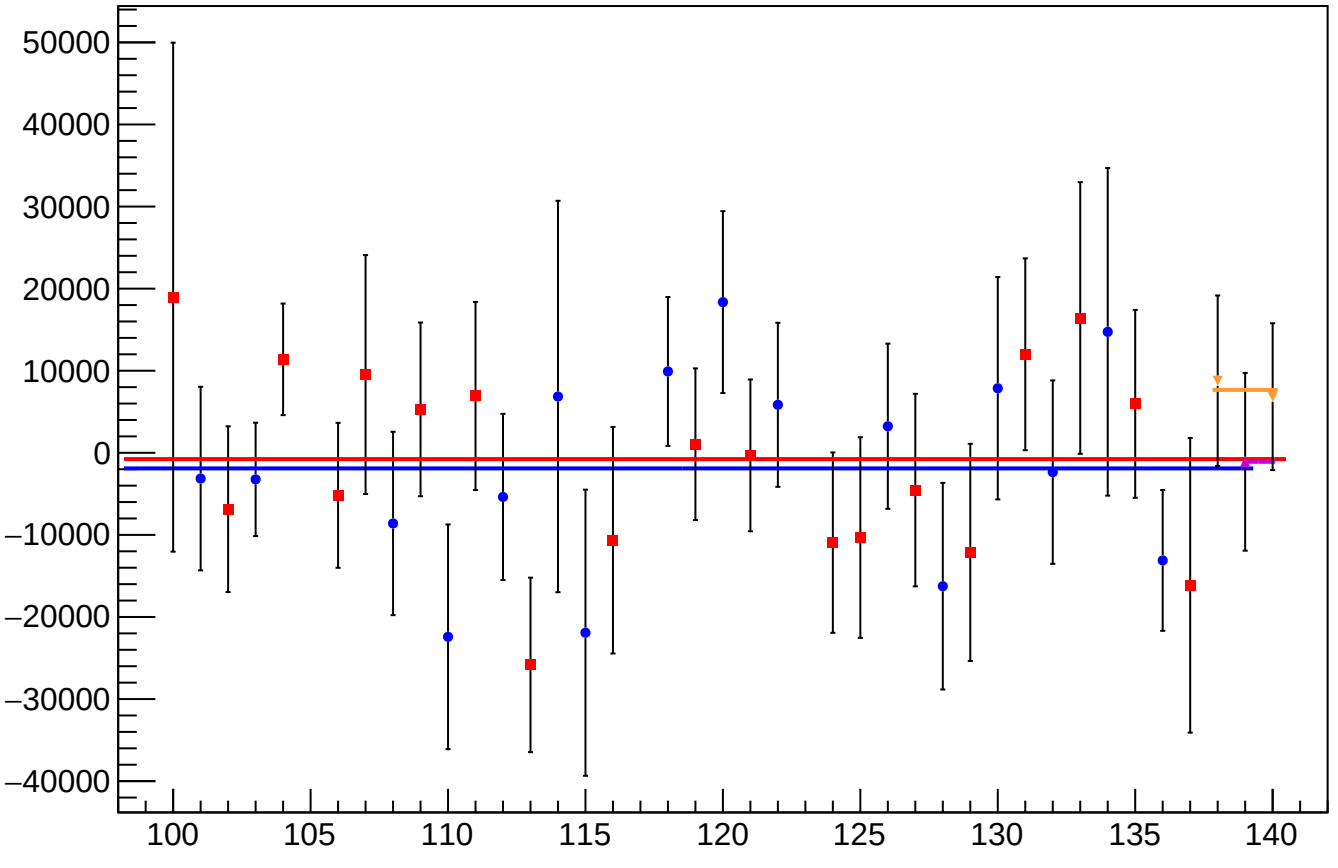
Left: 1934.497+/-0.871 χ^2/NDF: 1412.0/2

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1683.776+/-0.425 χ^2/NDF:442097.4/16

Out: 1693.189+/-0.407 χ^2/NDF:496957.0/20

All: 1688.687+/-0.294 χ^2/NDF: 939310.2/37



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 7665.707+/-6778.300 χ^2/NDF:0.0/1

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: -1092.778+/-10830.548 χ^2/NDF:0.0/0

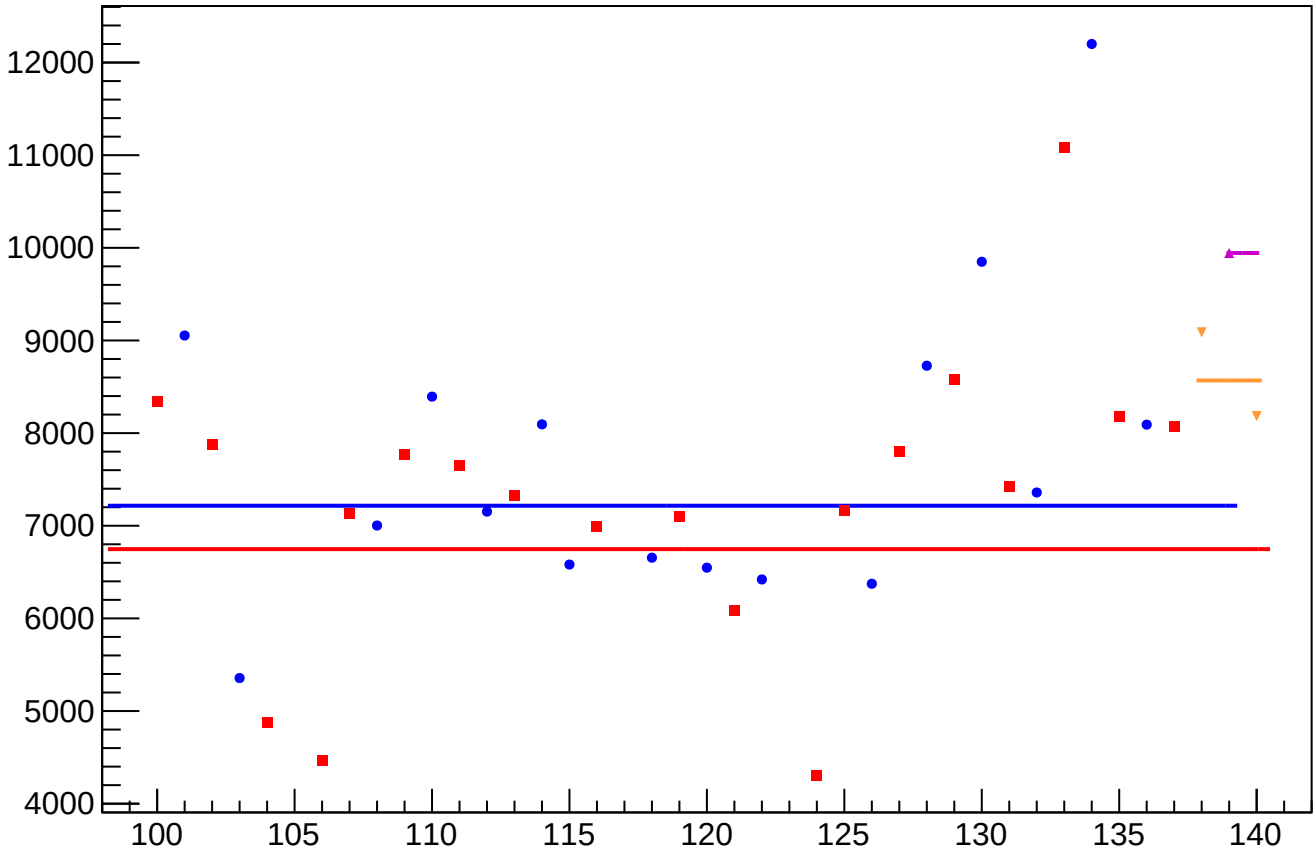
Left: 5200.646+/-5745.790 χ^2/NDF: 0.5/2

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -1851.562+/-2656.271 χ^2/NDF:14.4/16

Out: 282.380+/-2386.649 χ^2/NDF:18.7/20

All: -670.825+/-1775.309 χ^2/NDF: 33.4/37



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8568.370+/-4.793 χ^2/NDF:8708.8/1

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 9944.190+/-7.658 χ^2/NDF:0.0/0

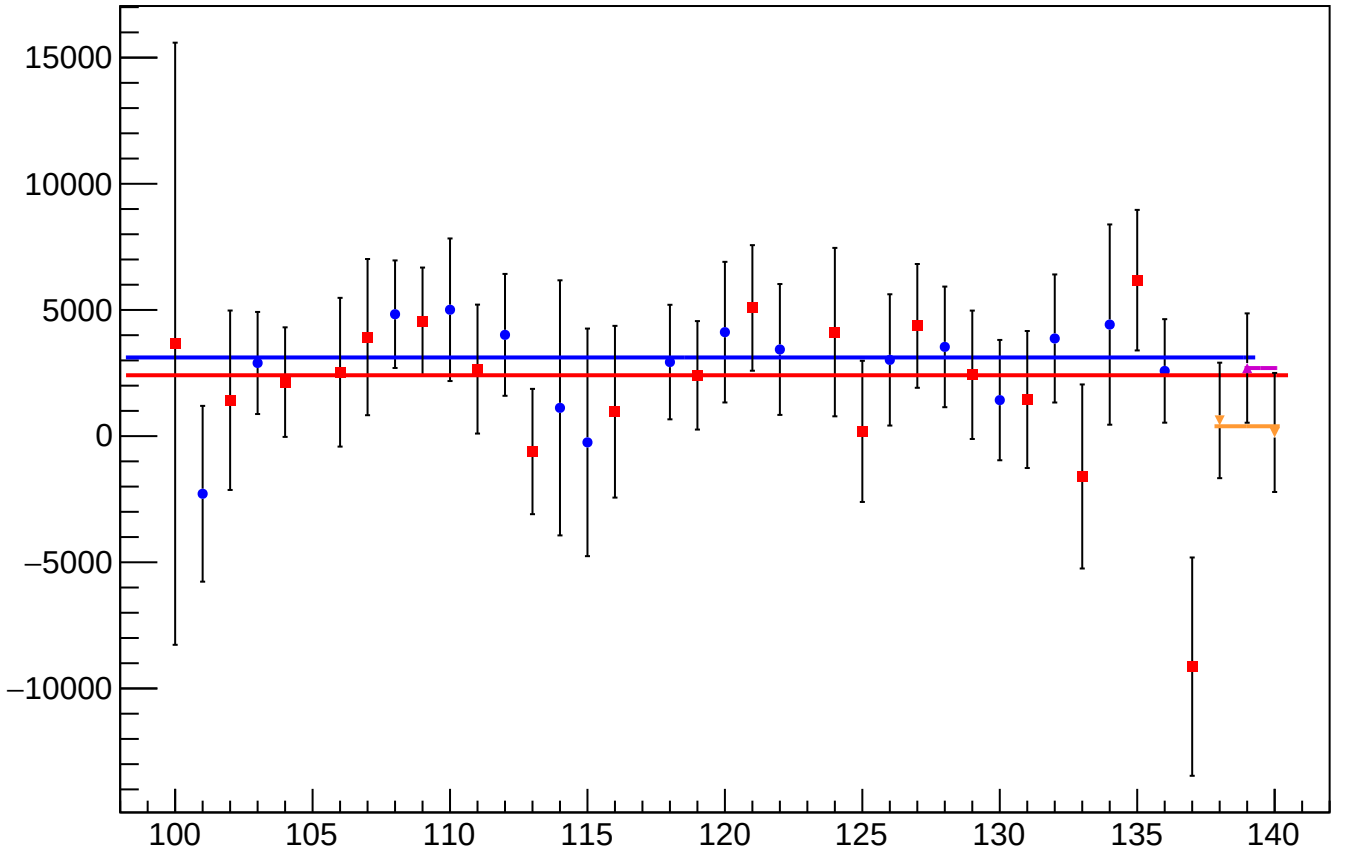
Left: 8955.592+/-4.063 χ^2/NDF: 31899.3/2

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7380.131+/-1.878 χ^2/NDF:631395.2/16

Out: 6973.450+/-1.688 χ^2/NDF:843902.9/20

All: 7155.109+/-1.255 χ^2/NDF: 1501237.7/37



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 390.970+/-1642.466 χ^2/NDF:0.0/1

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 2697.551+/-2166.687 χ^2/NDF:0.0/0

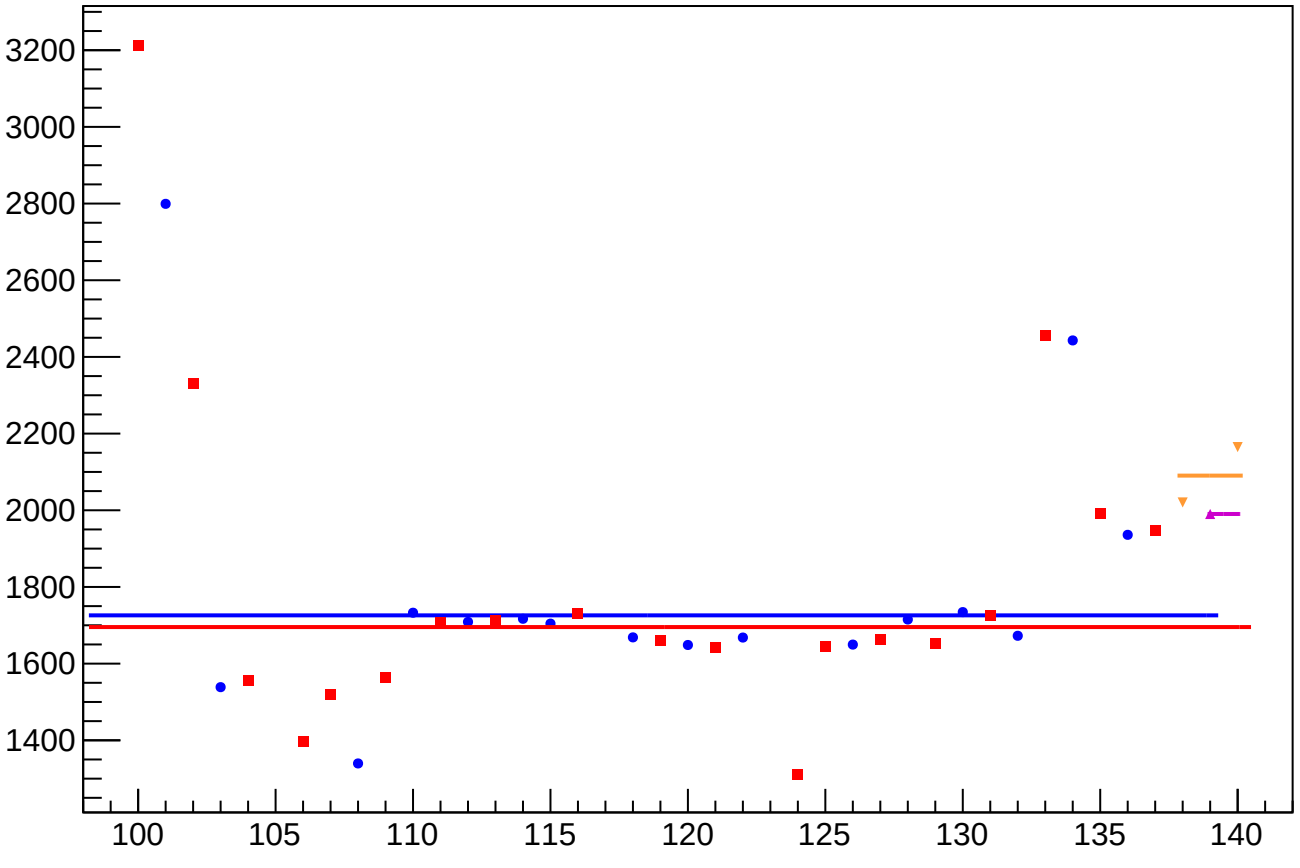
Left: 1232.726+/-1308.895 χ^2/NDF: 0.7/2

Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3083.063+/-623.570 χ^2/NDF:5.3/16

Out: 2146.711+/-595.533 χ^2/NDF:17.3/20

All: 2593.364+/-430.676 χ^2/NDF: 23.9/37



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 2090.413+/-1.161 χ^2/NDF:3860.6/1

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1990.326+/-1.532 χ^2/NDF:0.0/0

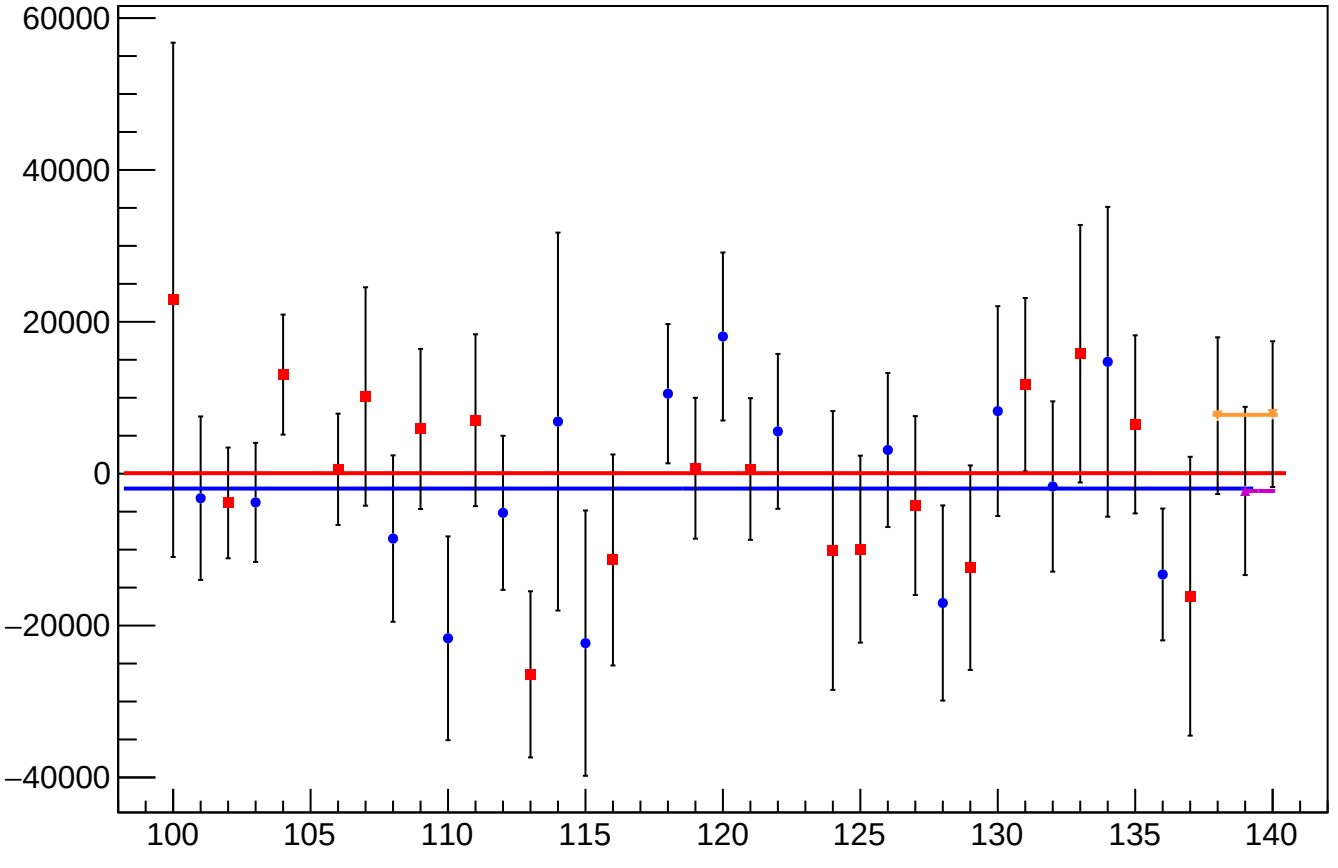
Left: 2053.888+/-0.926 χ^2/NDF: 6570.8/2

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1747.812+/-0.441 χ^2/NDF:392957.8/16

Out: 1747.287+/-0.421 χ^2/NDF:389971.2/20

All: 1747.537+/-0.304 χ^2/NDF: 782929.7/37



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 7751.036+/-7028.171 χ^2/NDF:0.0/1

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: -2273.496+/-11077.608 χ^2/NDF:0.0/0

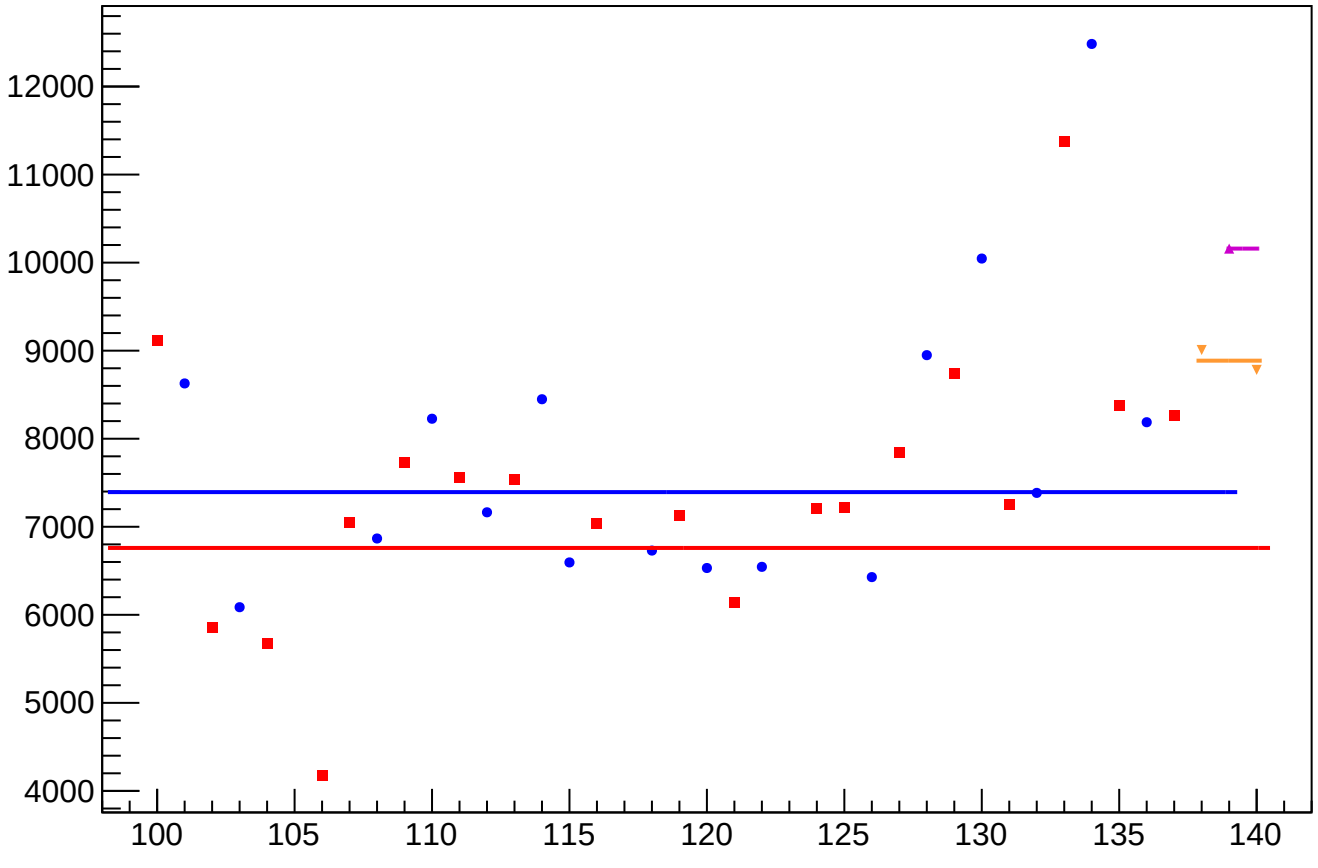
Left: 4873.994+/-5934.540 χ^2/NDF: 0.6/2

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -1977.450+/-2713.084 χ^2/NDF:14.4/16

Out: 949.241+/-2380.066 χ^2/NDF:17.2/20

All: -323.556+/-1789.182 χ^2/NDF: 32.2/37



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8886.468+/-4.970 χ^2/NDF:513.5/1

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 10159.354+/-7.833 χ^2/NDF:0.0/0

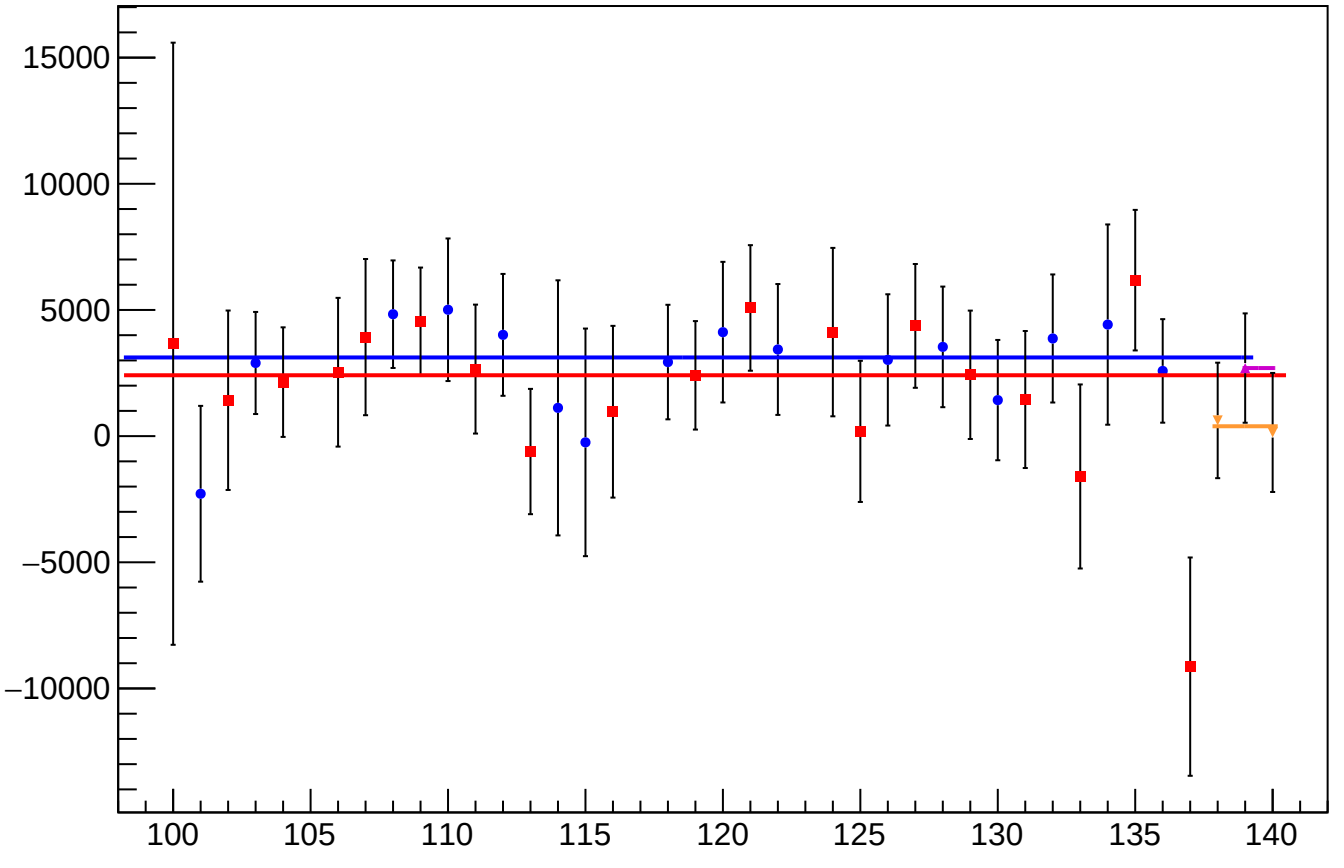
Left: 9251.786+/-4.196 χ^2/NDF: 19341.6/2

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7559.522+/-1.918 χ^2/NDF:519017.5/16

Out: 7003.360+/-1.683 χ^2/NDF:806984.0/20

All: 7245.231+/-1.265 χ^2/NDF: 1373495.3/37



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 390.974+/-1642.467 χ^2/NDF:0.0/1

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 2697.507+/-2166.691 χ^2/NDF:0.0/0

Left: 1232.711+/-1308.897 χ^2/NDF: 0.7/2

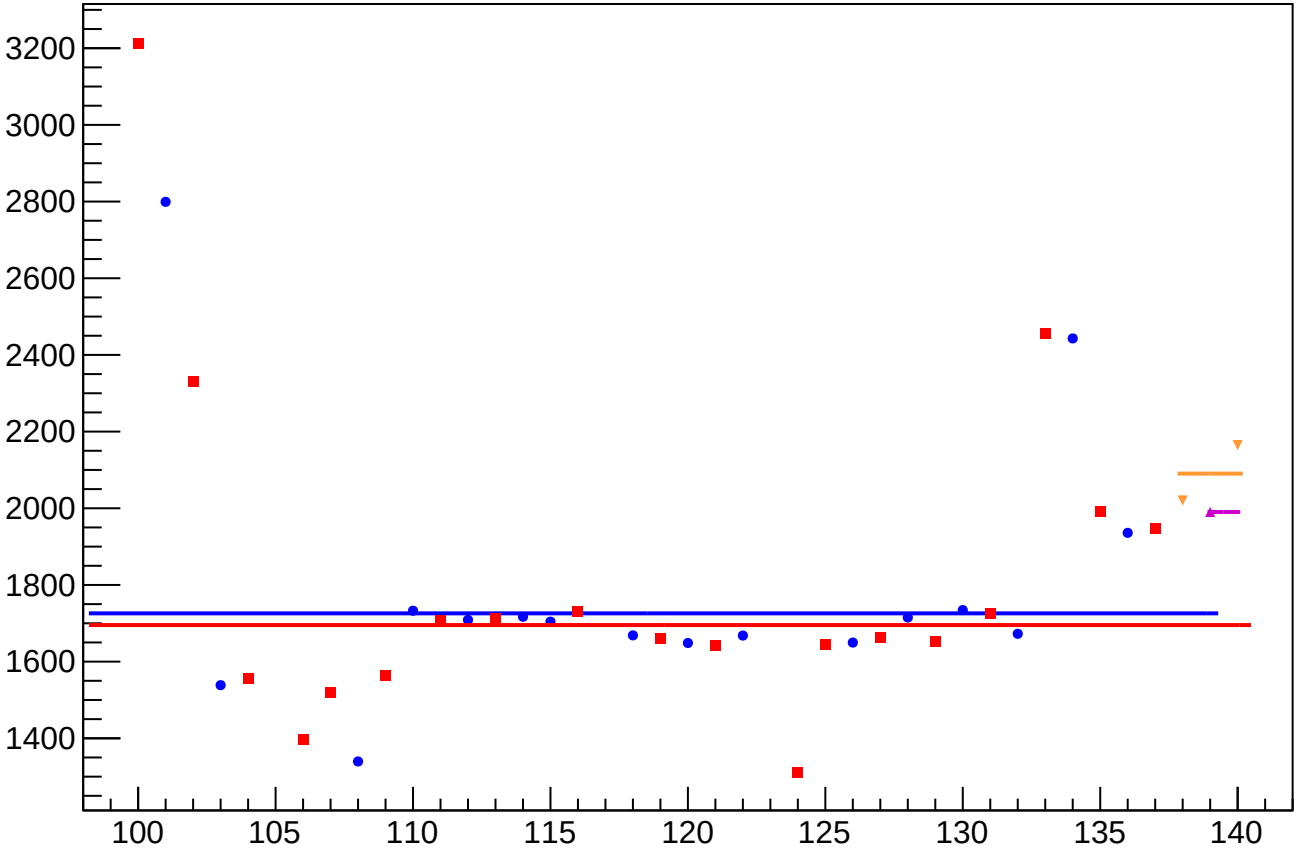
Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3083.063+/-623.570 χ^2/NDF:5.3/16

Out: 2146.719+/-595.533 χ^2/NDF:17.3/20

All: 2593.368+/-430.676 χ^2/NDF: 23.9/37

eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 2090.415+/-1.161 χ^2/NDF:3860.6/1

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1990.330+/-1.532 χ^2/NDF:0.0/0

Left: 2053.890+/-0.926 χ^2/NDF: 6570.7/2

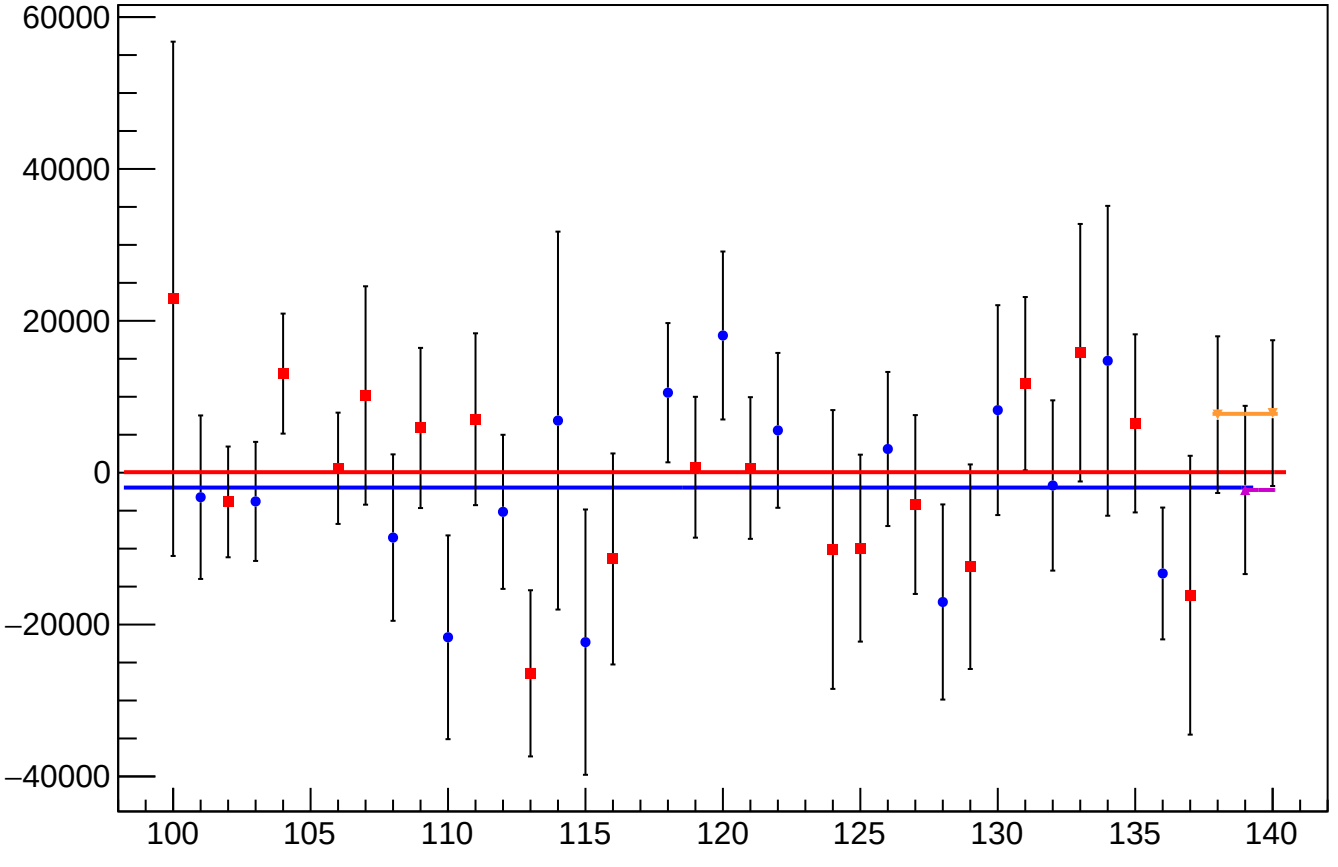
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1747.812+/-0.441 χ^2/NDF:392958.6/16

Out: 1747.287+/-0.421 χ^2/NDF:389972.2/20

All: 1747.537+/-0.304 χ^2/NDF: 782931.5/37

asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 7751.039+/-7028.182 χ^2/NDF:0.0/1

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: -2273.537+/-11077.638 χ^2/NDF:0.0/0

Left: 4873.989+/-5934.551 χ^2/NDF: 0.6/2

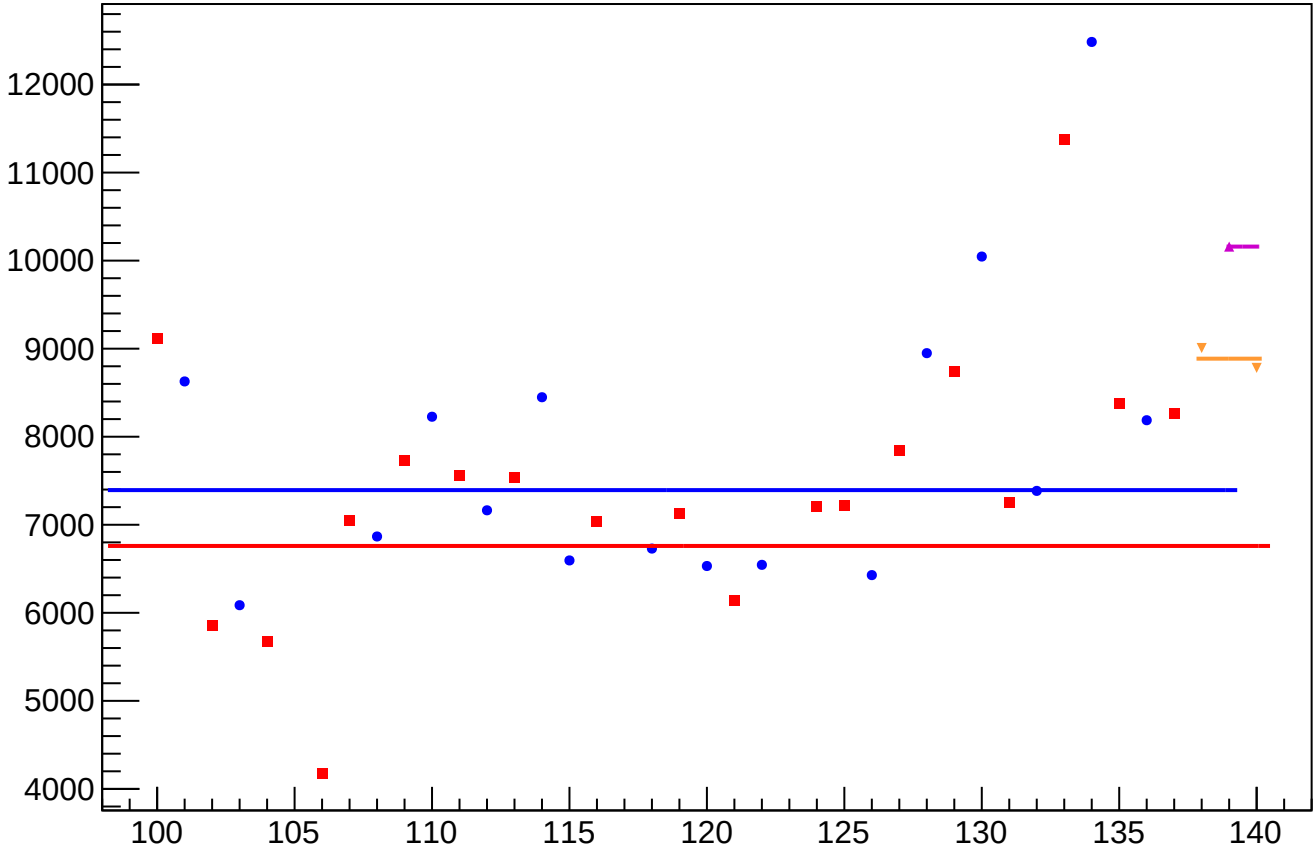
Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -1977.433+/-2713.079 χ^2/NDF:14.4/16

Out: 949.241+/-2380.062 χ^2/NDF:17.2/20

All: -323.549+/-1789.178 χ^2/NDF: 32.2/37

asym_at2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8886.482+/-4.970 χ^2/NDF:513.6/1

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 10159.382+/-7.833 χ^2/NDF:0.0/0

Left: 9251.803+/-4.196 χ^2/NDF: 19342.0/2

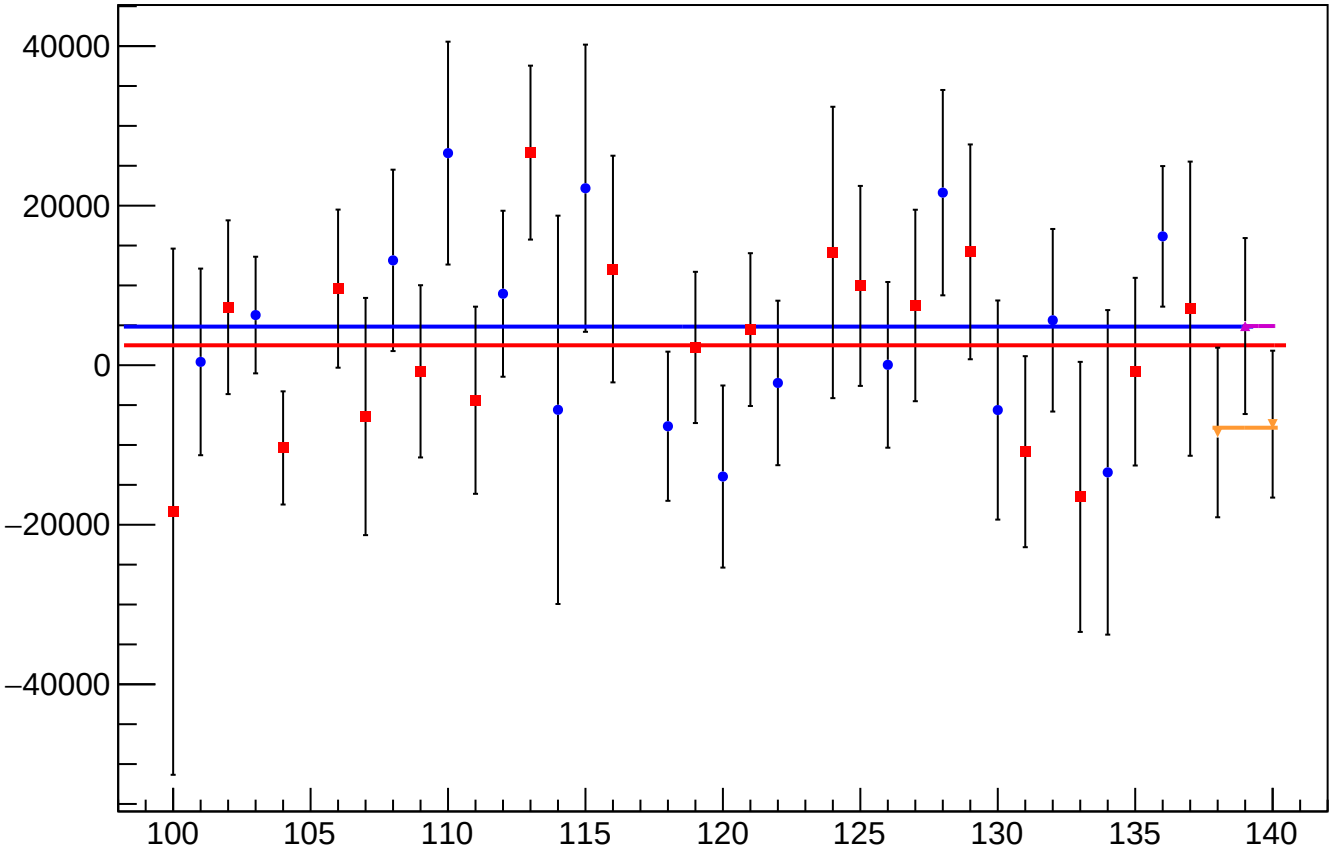
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7559.505+/-1.918 χ^2/NDF:519023.0/16

Out: 7003.347+/-1.683 χ^2/NDF:806986.9/20

All: 7245.217+/-1.265 χ^2/NDF: 1373503.2/37

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -7837.111+/-6959.340 χ^2/NDF:0.0/1

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 4909.316+/-11030.582 χ^2/NDF:0.0/0

Left: -4207.964+/-5885.813 χ^2/NDF: 1.0/2

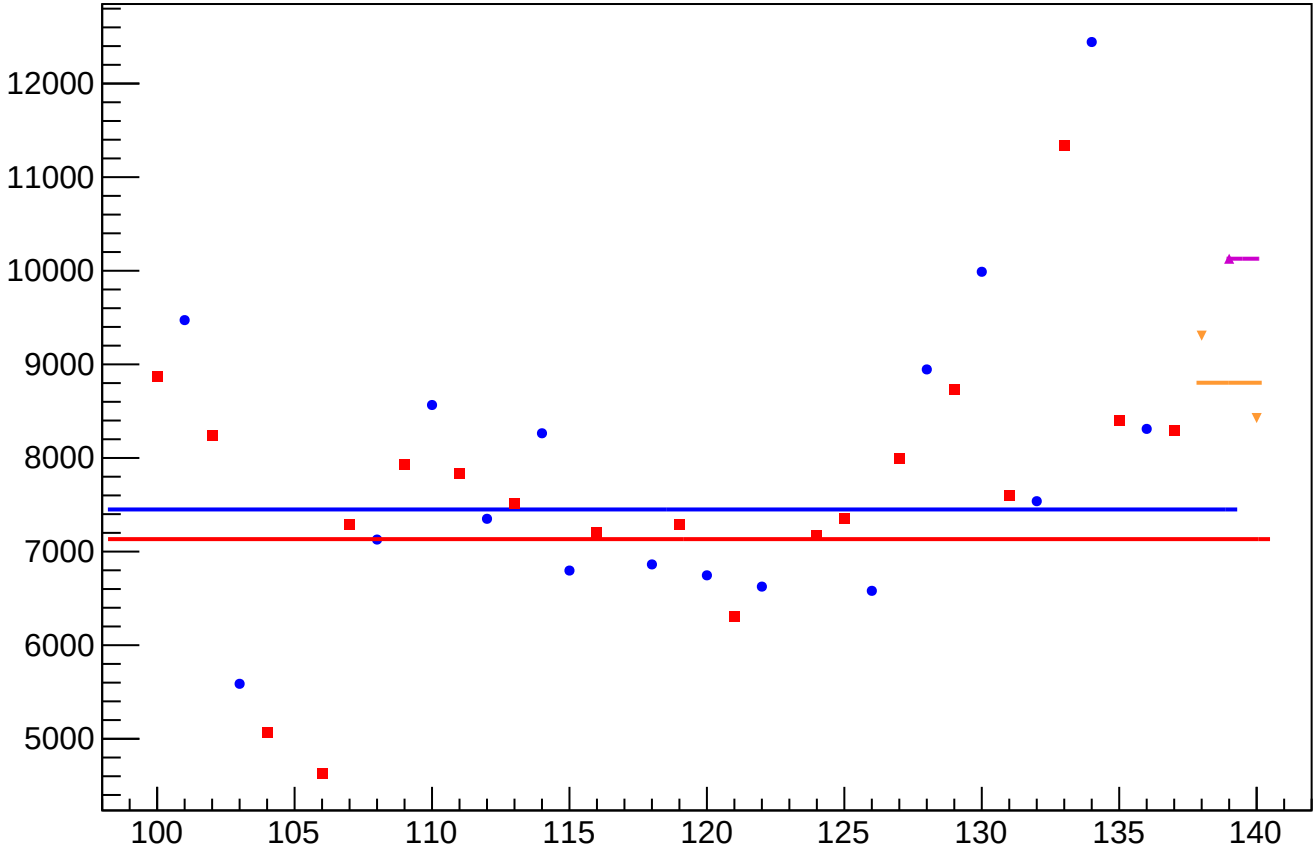
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 4842.233+/-2740.237 χ^2/NDF:14.3/16

Out: 1147.902+/-2513.572 χ^2/NDF:16.8/20

All: 2835.979+/-1852.321 χ^2/NDF: 32.2/37

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8803.804+/-4.921 χ^2/NDF:7830.5/1

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 10128.752+/-7.800 χ^2/NDF:0.0/0

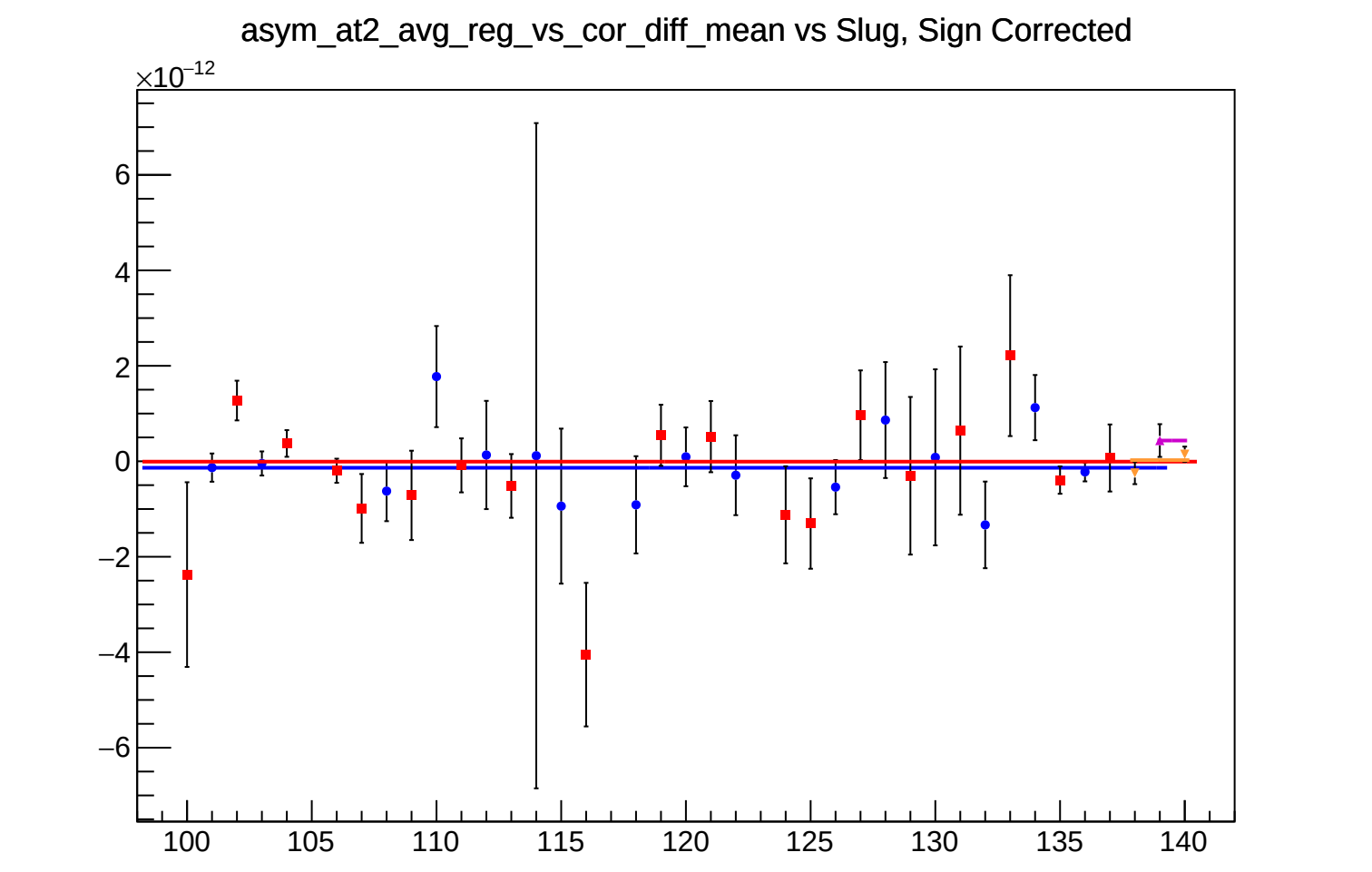
Left: 9181.042+/-4.162 χ^2/NDF: 28470.4/2

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7615.298+/-1.938 χ^2/NDF:597100.0/16

Out: 7351.031+/-1.777 χ^2/NDF:665051.2/20

All: 7471.778+/-1.310 χ^2/NDF: 1272253.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

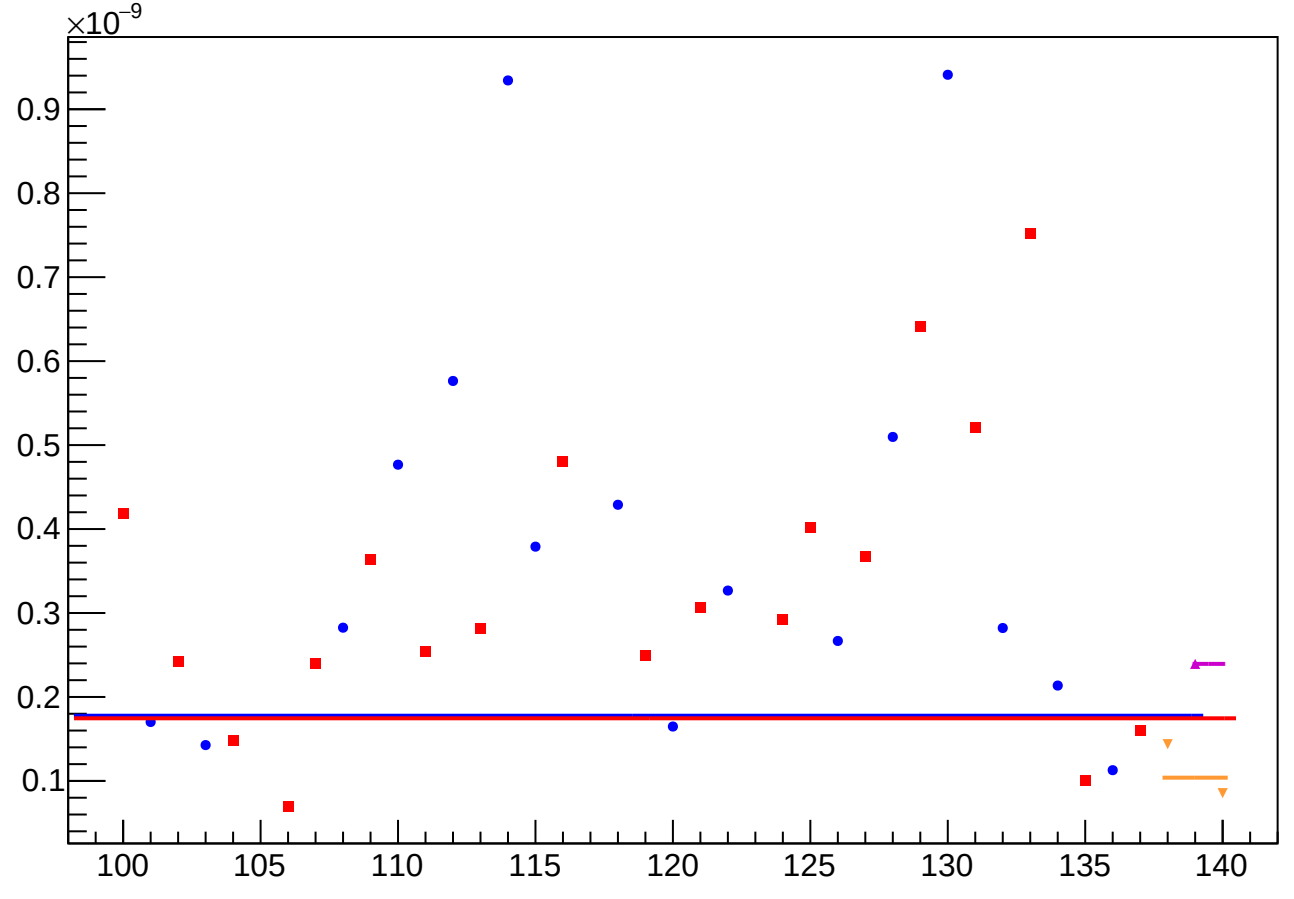
Left: 0.000+/-0.000 χ^2/NDF: 3.2/2

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:14.0/16

Out: 0.000+/-0.000 χ^2/NDF:34.7/20

All: -0.000+/-0.000 χ^2/NDF: 49.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:84878.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

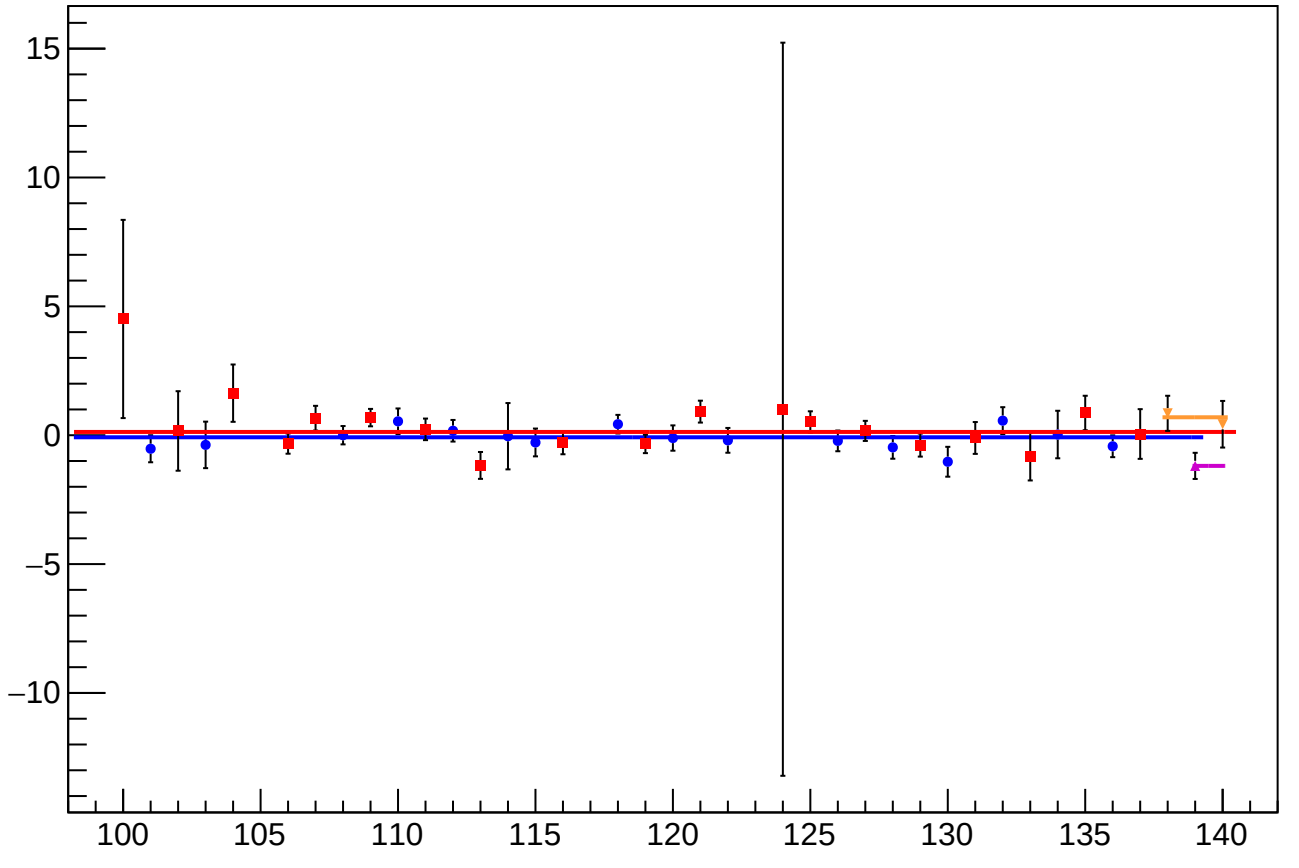
Left: 0.000+/-0.000 χ^2/NDF: 356698.5/2

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:1587793.6/16

Out: 0.000+/-0.000 χ^2/NDF:2033980.7/20

All: 0.000+/-0.000 χ^2/NDF: 3796474.7/37



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.696+/-0.544 χ^2/NDF:0.1/1

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -1.189+/-0.507 χ^2/NDF:0.0/0

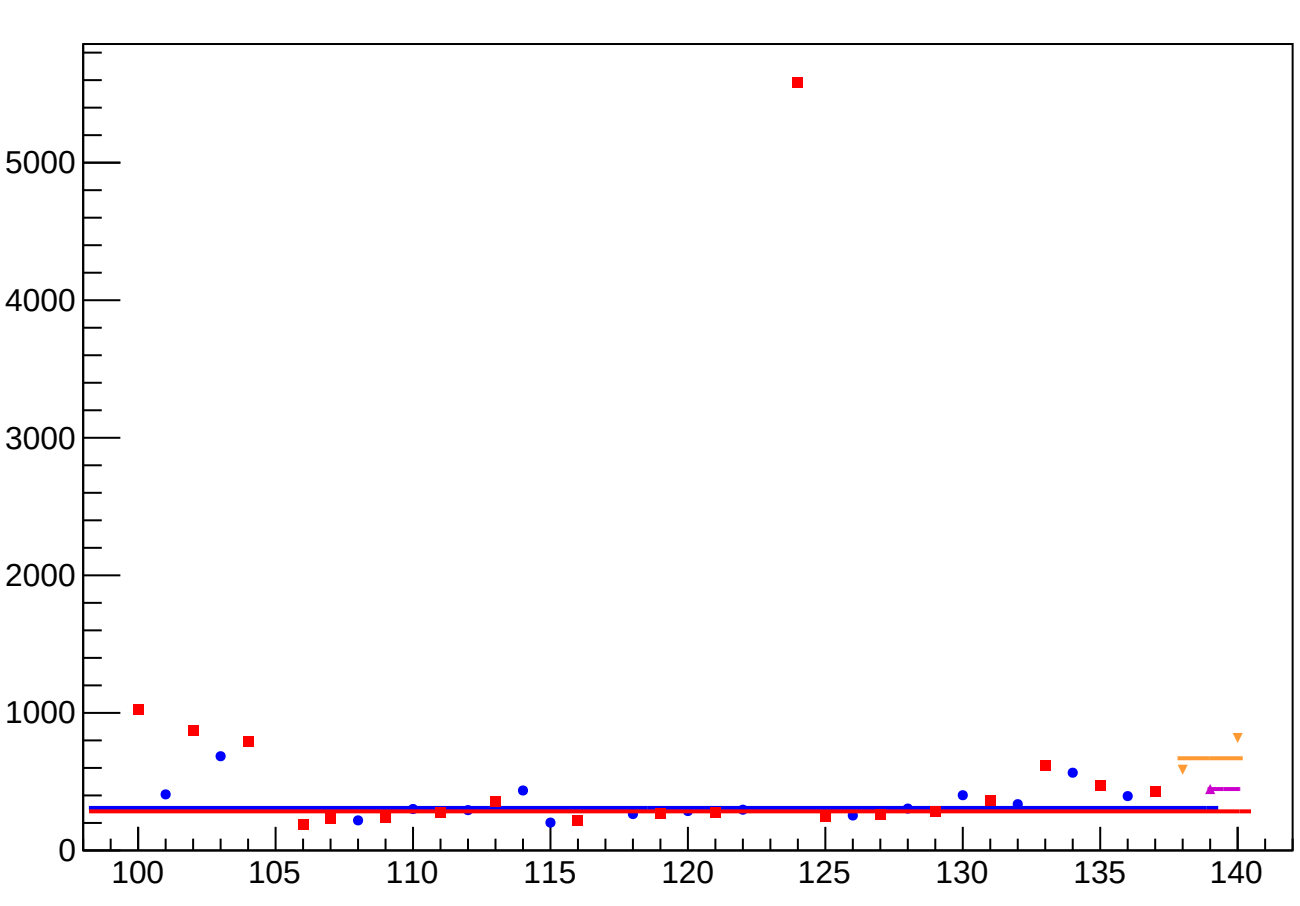
Left: -0.313+/-0.371 χ^2/NDF: 6.6/2

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.141+/-0.118 χ^2/NDF:15.3/16

Out: 0.153+/-0.114 χ^2/NDF:26.5/20

All: 0.011+/-0.082 χ^2/NDF: 44.9/37



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 670.145+/-0.385 χ^2/NDF:83065.3/1

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 446.443+/-0.359 χ^2/NDF:0.0/0

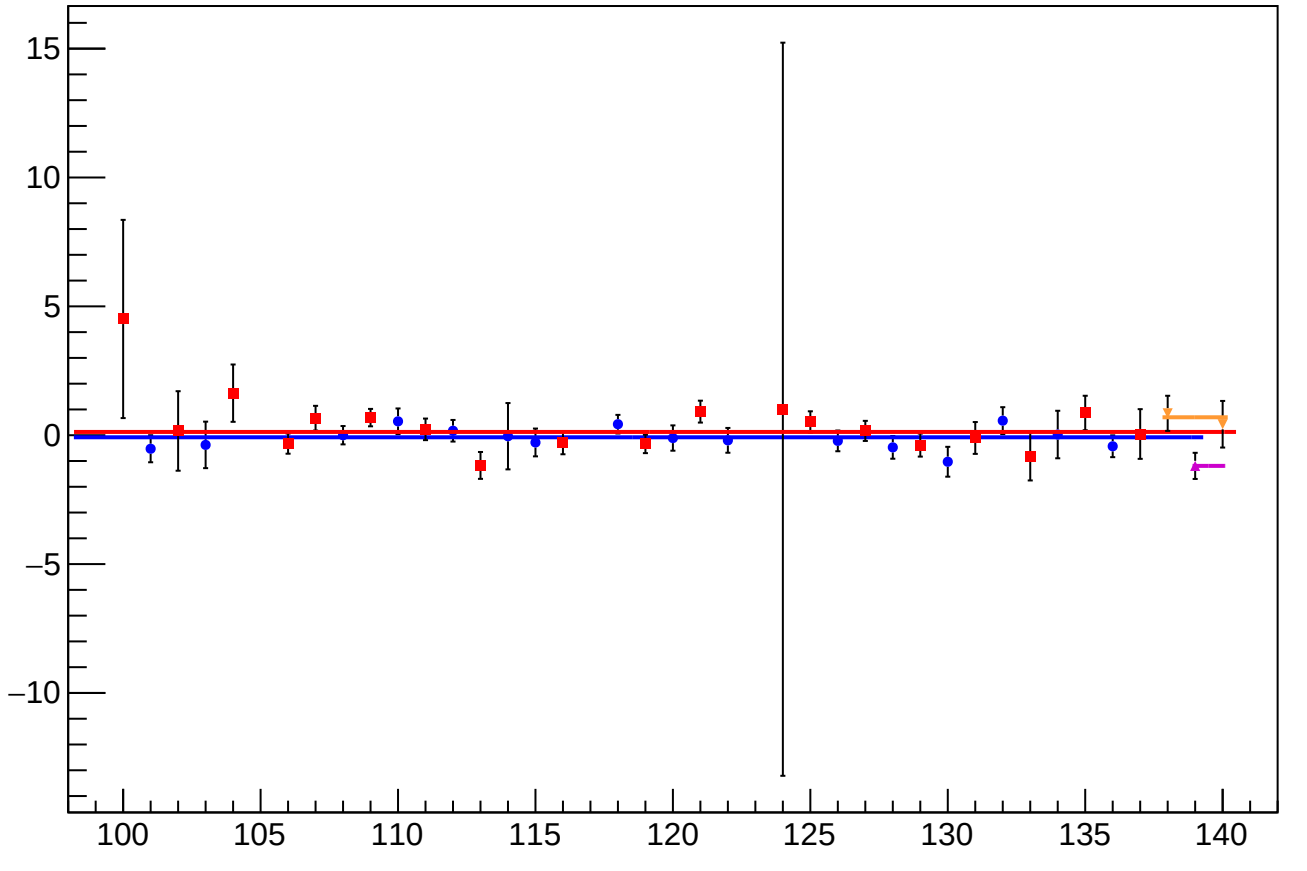
Left: 550.402+/-0.262 χ^2/NDF: 263929.4/2

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 316.592+/-0.084 χ^2/NDF:1153310.0/16

Out: 301.213+/-0.081 χ^2/NDF:2900949.4/20

All: 308.626+/-0.058 χ^2/NDF: 4071711.7/37



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.696+/-0.544 χ^2/NDF:0.1/1

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -1.189+/-0.507 χ^2/NDF:0.0/0

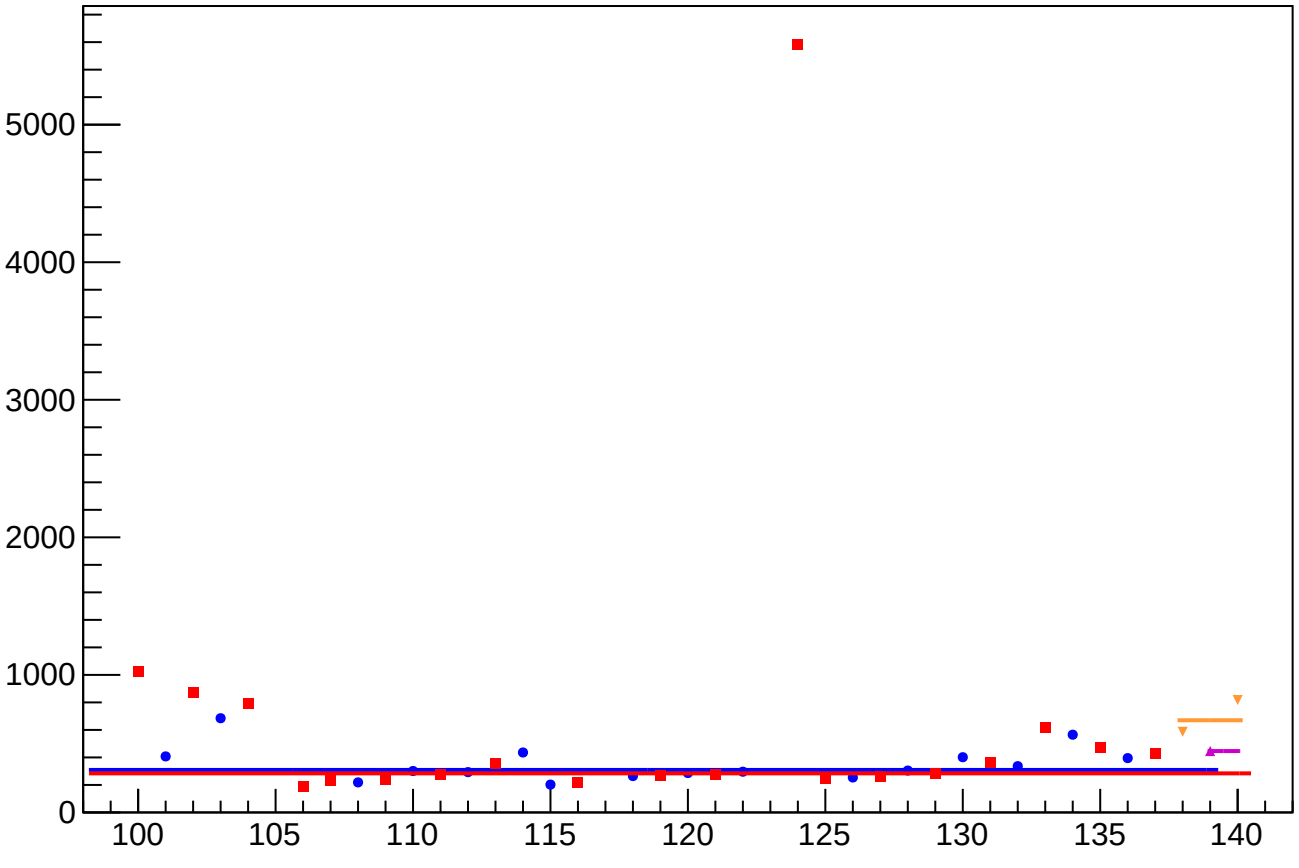
Left: -0.313+/-0.371 χ^2/NDF: 6.6/2

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.141+/-0.118 χ^2/NDF:15.3/16

Out: 0.153+/-0.114 χ^2/NDF:26.5/20

All: 0.011+/-0.082 χ^2/NDF: 44.9/37



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 670.145+/-0.385 χ^2/NDF:83065.3/1

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 446.443+/-0.359 χ^2/NDF:0.0/0

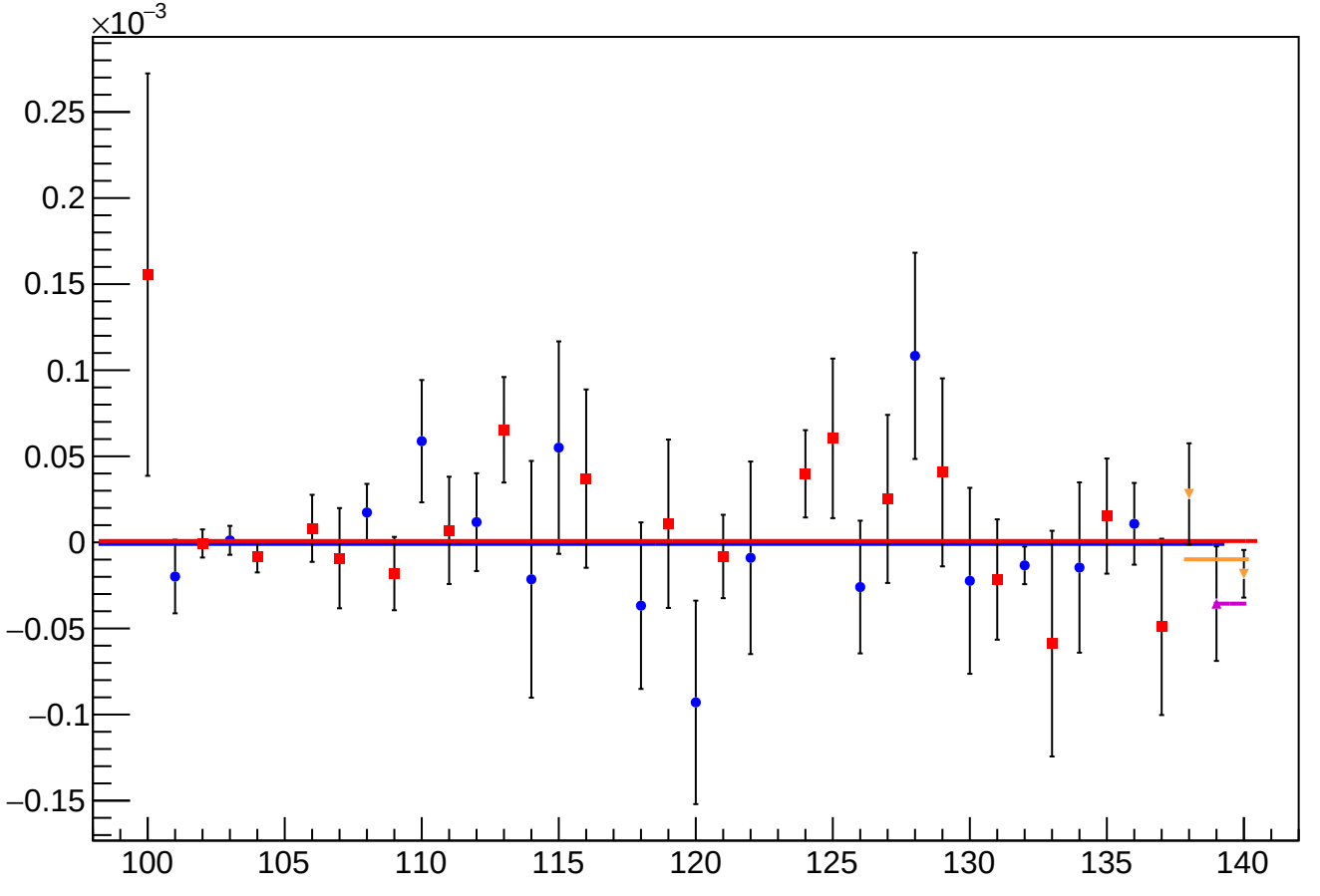
Left: 550.402+/-0.262 χ^2/NDF: 263929.4/2

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 316.592+/-0.084 χ^2/NDF:1153310.0/16

Out: 301.213+/-0.081 χ^2/NDF:2900949.4/20

All: 308.626+/-0.058 χ^2/NDF: 4071711.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

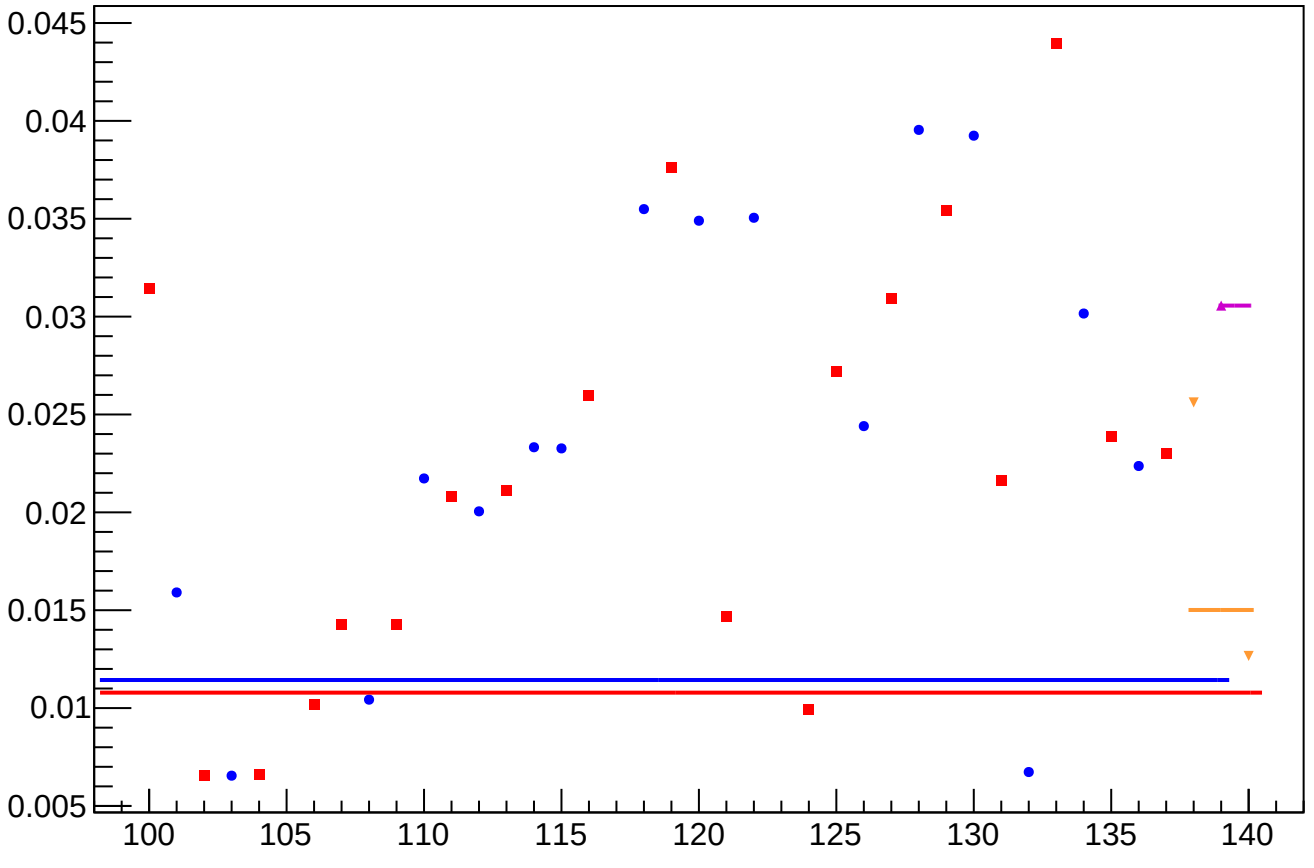
Left: -0.000+/-0.000 χ^2/NDF: 2.6/2

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:15.6/16

Out: -0.000+/-0.000 χ^2/NDF:18.8/20

All: -0.000+/-0.000 χ^2/NDF: 34.4/37



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:317570.8/1

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.031+/-0.000 χ^2/NDF:0.0/0

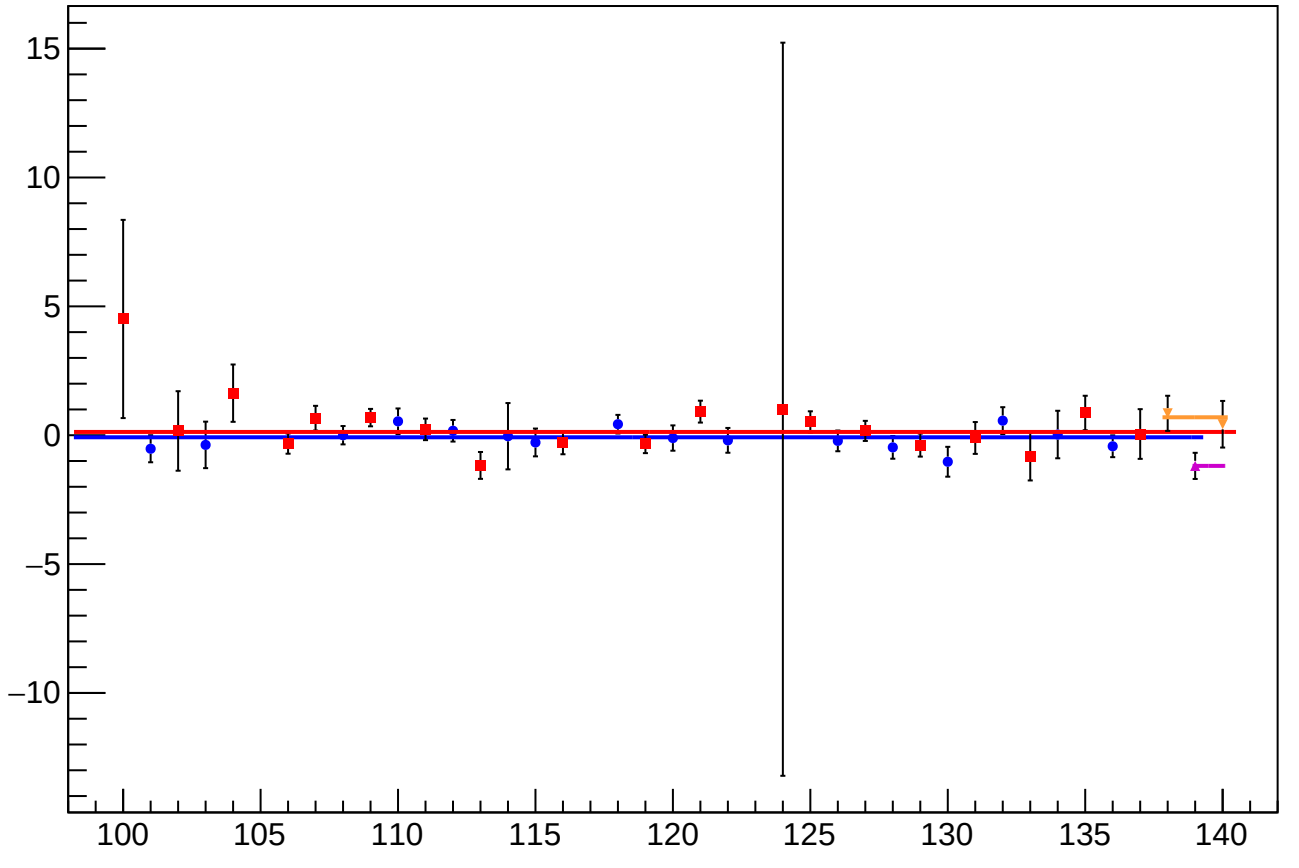
Left: 0.017+/-0.000 χ^2/NDF: 700532.8/2

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:5345006.4/16

Out: 0.011+/-0.000 χ^2/NDF:4989148.3/20

All: 0.012+/-0.000 χ^2/NDF: 10347855.3/37



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.696+/-0.544 χ^2/NDF:0.1/1

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -1.189+/-0.507 χ^2/NDF:0.0/0

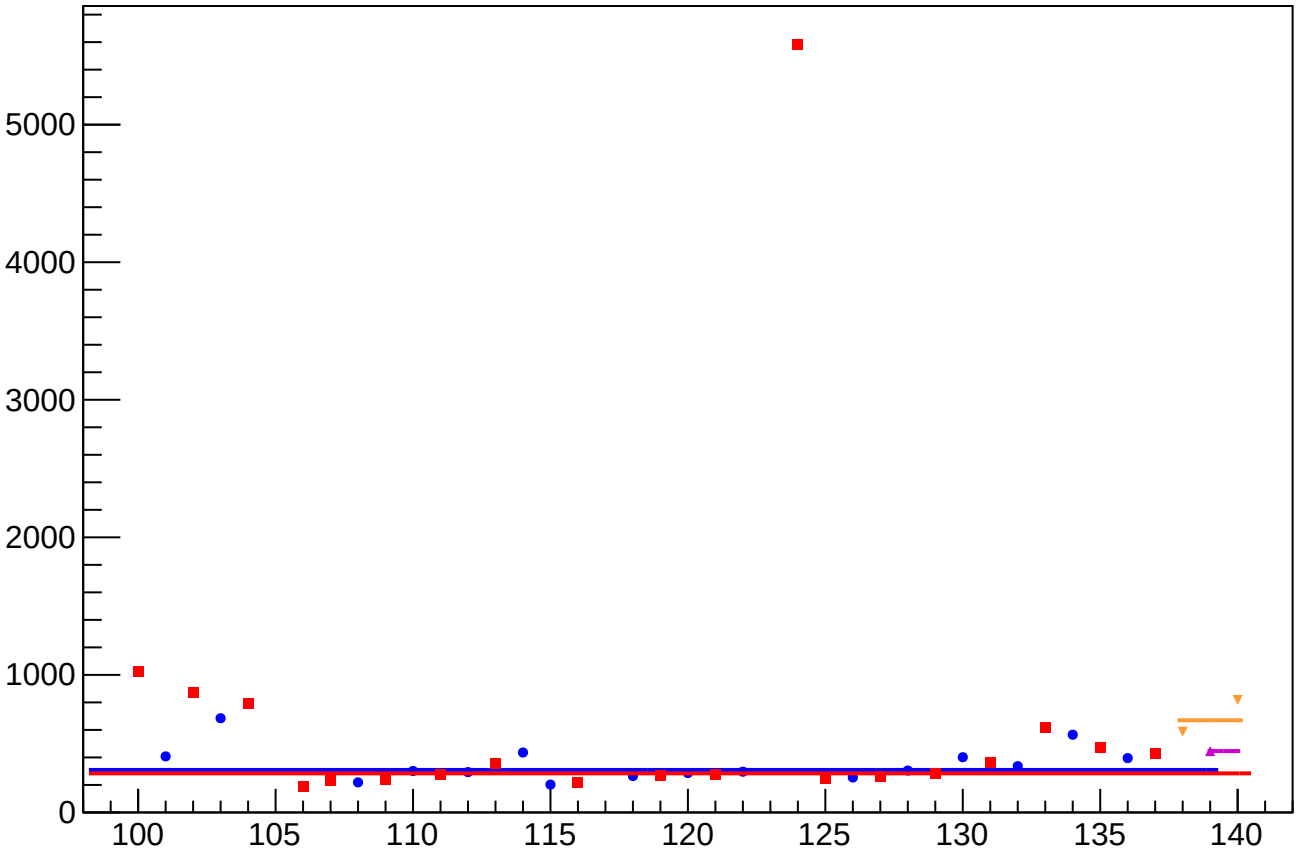
Left: -0.313+/-0.371 χ^2/NDF: 6.6/2

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.141+/-0.118 χ^2/NDF:15.3/16

Out: 0.153+/-0.114 χ^2/NDF:26.5/20

All: 0.011+/-0.082 χ^2/NDF: 44.9/37



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 670.151+/-0.385 χ^2/NDF:83062.7/1

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 446.453+/-0.359 χ^2/NDF:0.0/0

Left: 550.412+/-0.262 χ^2/NDF: 263915.1/2

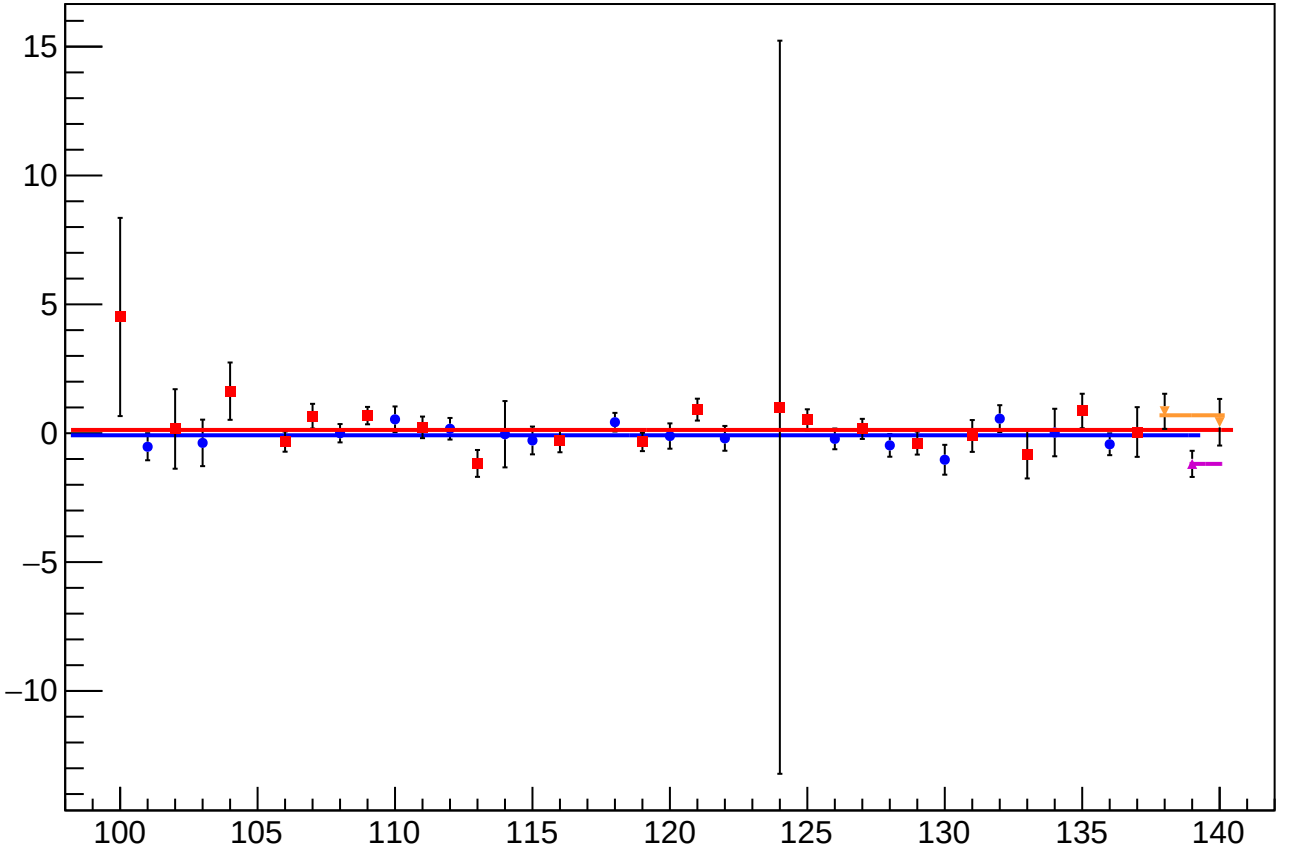
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 316.592+/-0.084 χ^2/NDF:1153294.4/16

Out: 301.212+/-0.081 χ^2/NDF:2900949.1/20

All: 308.625+/-0.058 χ^2/NDF: 4071696.2/37

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.696+/-0.544 χ^2/NDF:0.1/1

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -1.189+/-0.507 χ^2/NDF:0.0/0

Left: -0.313+/-0.371 χ^2/NDF: 6.6/2

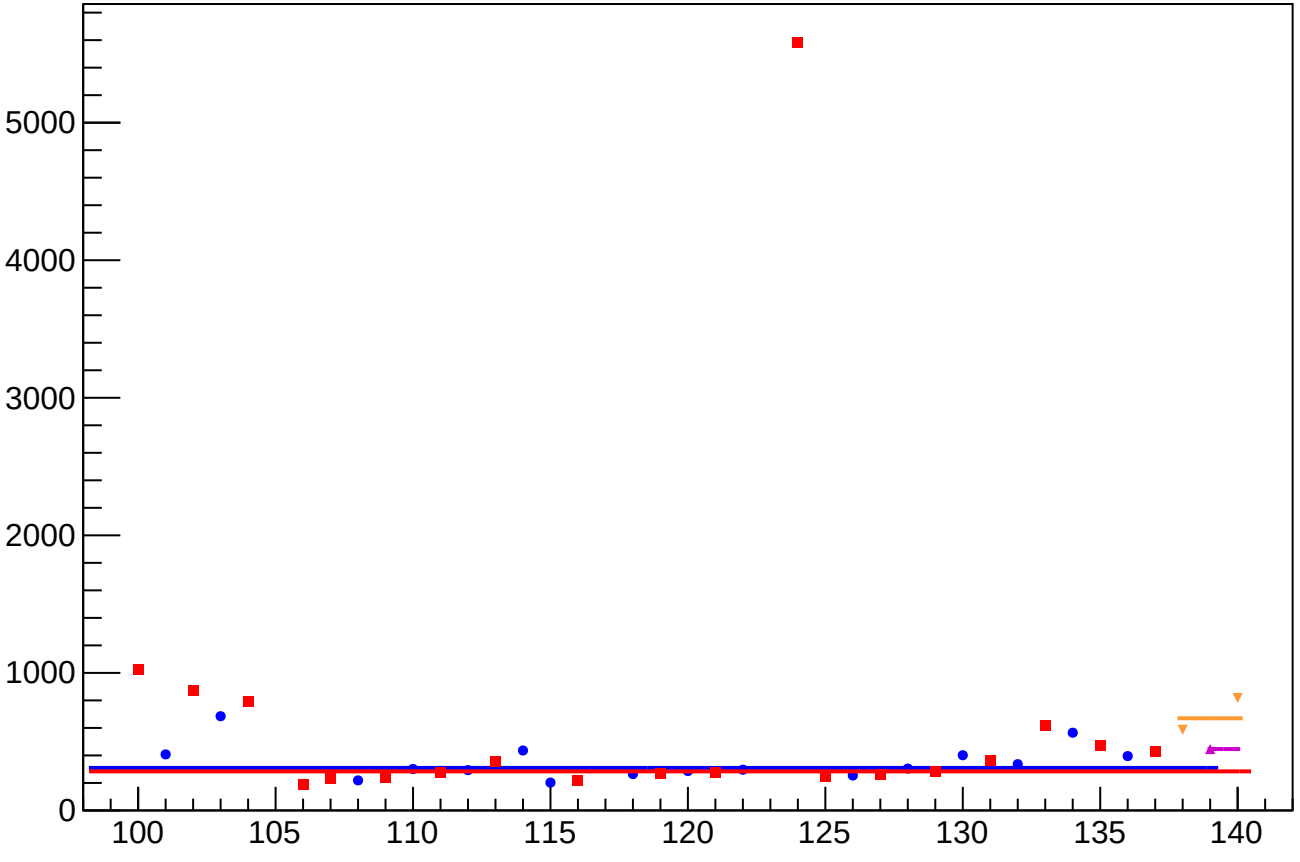
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.141+/-0.118 χ^2/NDF:15.3/16

Out: 0.153+/-0.114 χ^2/NDF:26.5/20

All: 0.011+/-0.082 χ^2/NDF: 44.9/37

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 670.151+/-0.385 χ^2/NDF:83062.7/1

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 446.453+/-0.359 χ^2/NDF:0.0/0

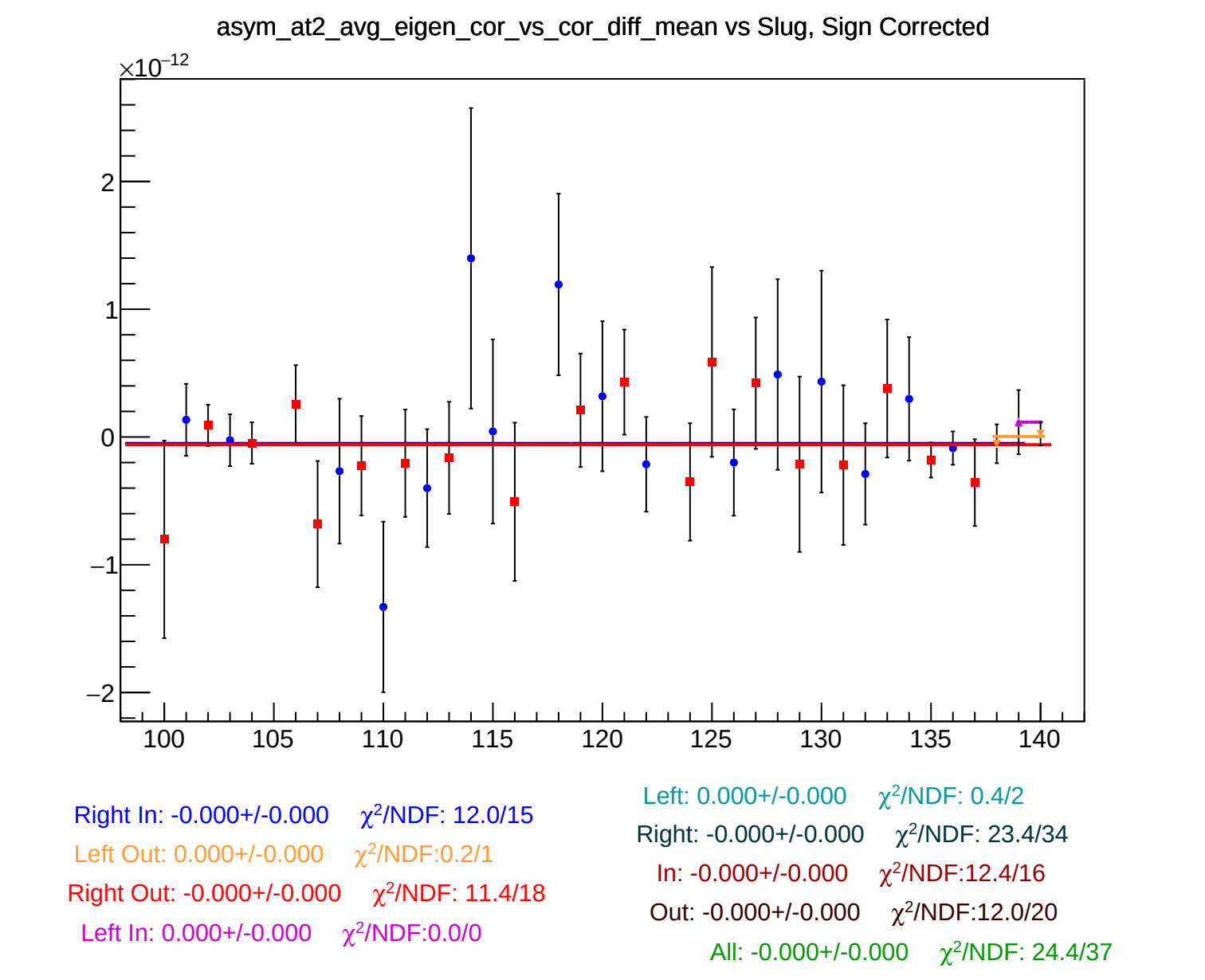
Left: 550.412+/-0.262 χ^2/NDF: 263915.1/2

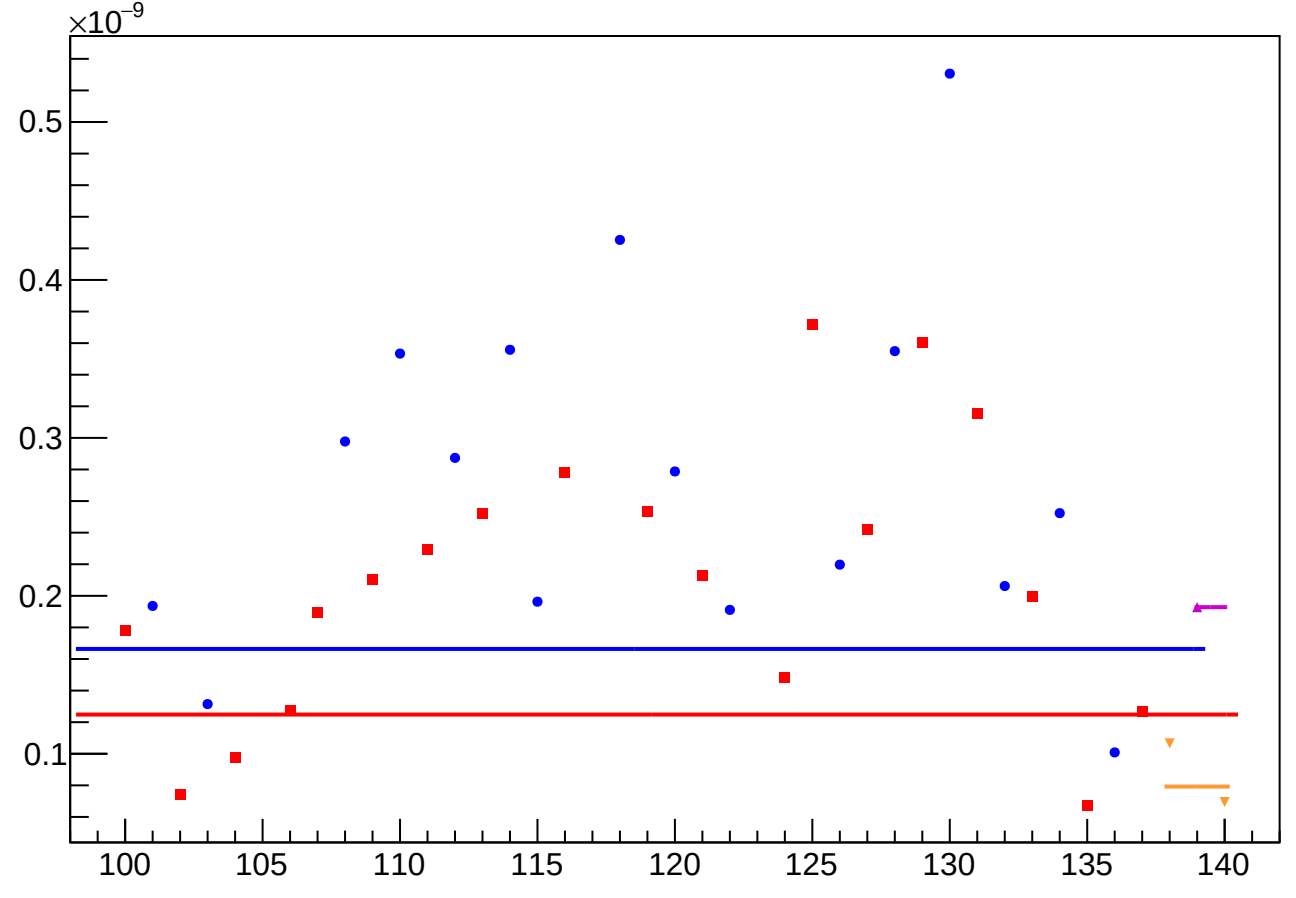
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 316.592+/-0.084 χ^2/NDF:1153294.4/16

Out: 301.212+/-0.081 χ^2/NDF:2900949.1/20

All: 308.625+/-0.058 χ^2/NDF: 4071696.2/37


asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 12.0/15
Left Out: 0.000+/-0.000 χ²/NDF:0.2/1
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.4/2
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:12.4/16
Out: -0.000+/-0.000 χ²/NDF:12.0/20
All: -0.000+/-0.000 χ²/NDF: 24.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:88101.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

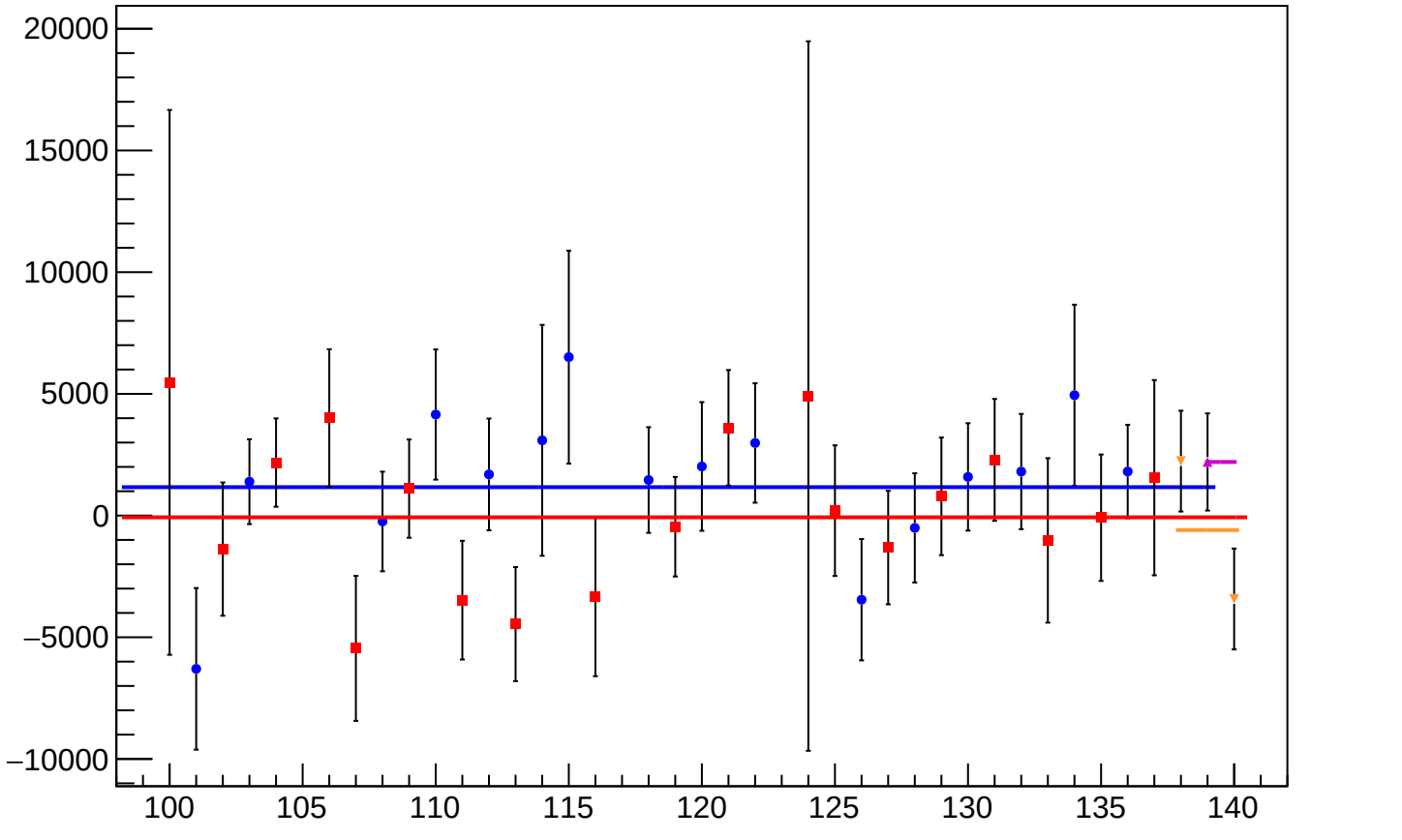
Left: 0.000+/-0.000 χ^2/NDF: 460024.0/2

Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

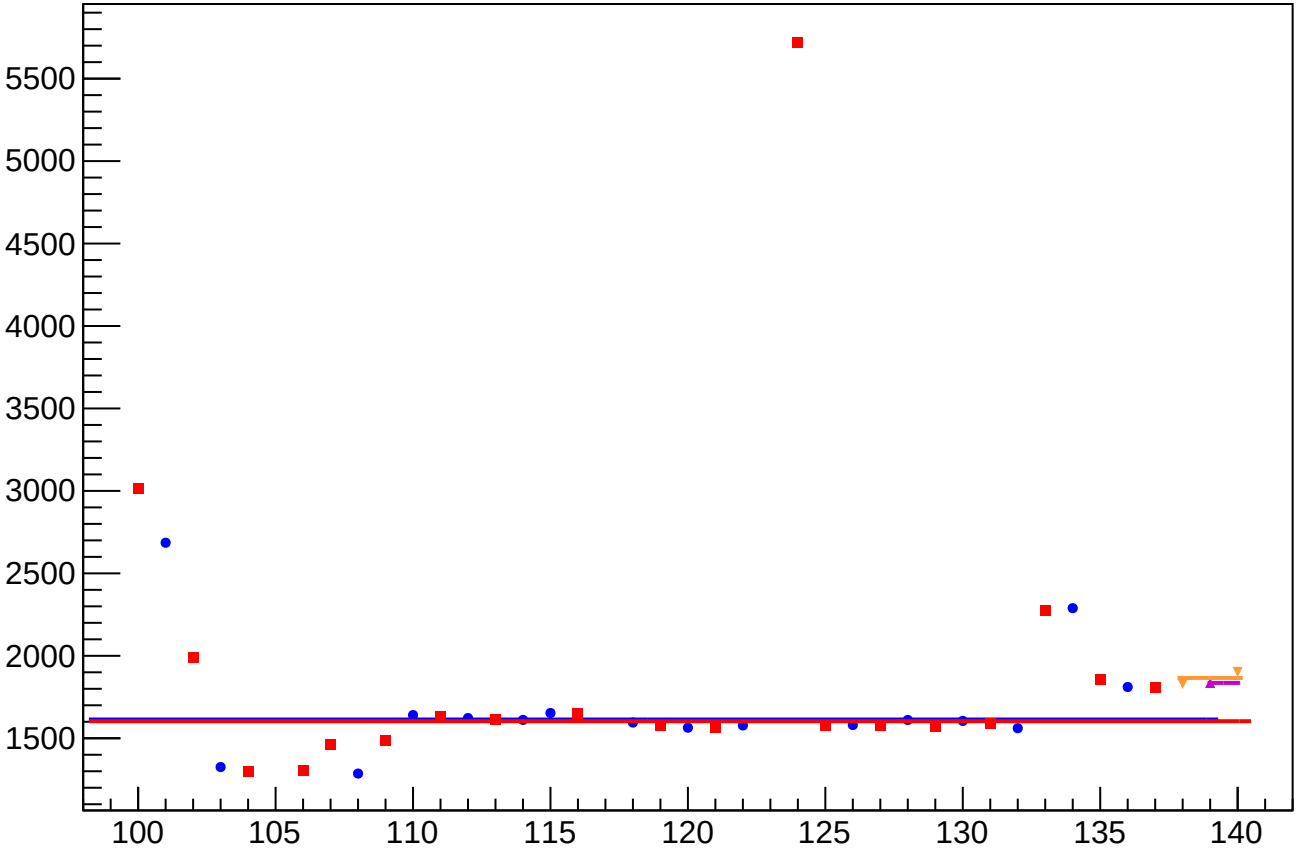
In: 0.000+/-0.000 χ^2/NDF:2004092.1/16

Out: 0.000+/-0.000 χ^2/NDF:2675708.1/20

All: 0.000+/-0.000 χ^2/NDF: 5592720.1/37


reg_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: 1166.862+/-609.171 χ²/NDF: 14.4/15
Left Out: -594.408+/-1464.526 χ²/NDF:3.7/1
Right Out: -72.181+/-603.362 χ²/NDF: 18.3/18
Left In: 2202.274+/-1996.173 χ²/NDF:0.0/0
Left: 384.201+/-1180.813 χ²/NDF: 5.0/2
Right: 541.404+/-428.680 χ²/NDF: 34.8/34
In: 1255.073+/-582.645 χ²/NDF:14.7/16
Out: -147.958+/-557.872 χ²/NDF:22.1/20
All: 523.098+/-402.948 χ²/NDF: 39.8/37

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1865.788+/-1.036 χ^2/NDF:1226.8/1

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1835.626+/-1.412 χ^2/NDF:0.0/0

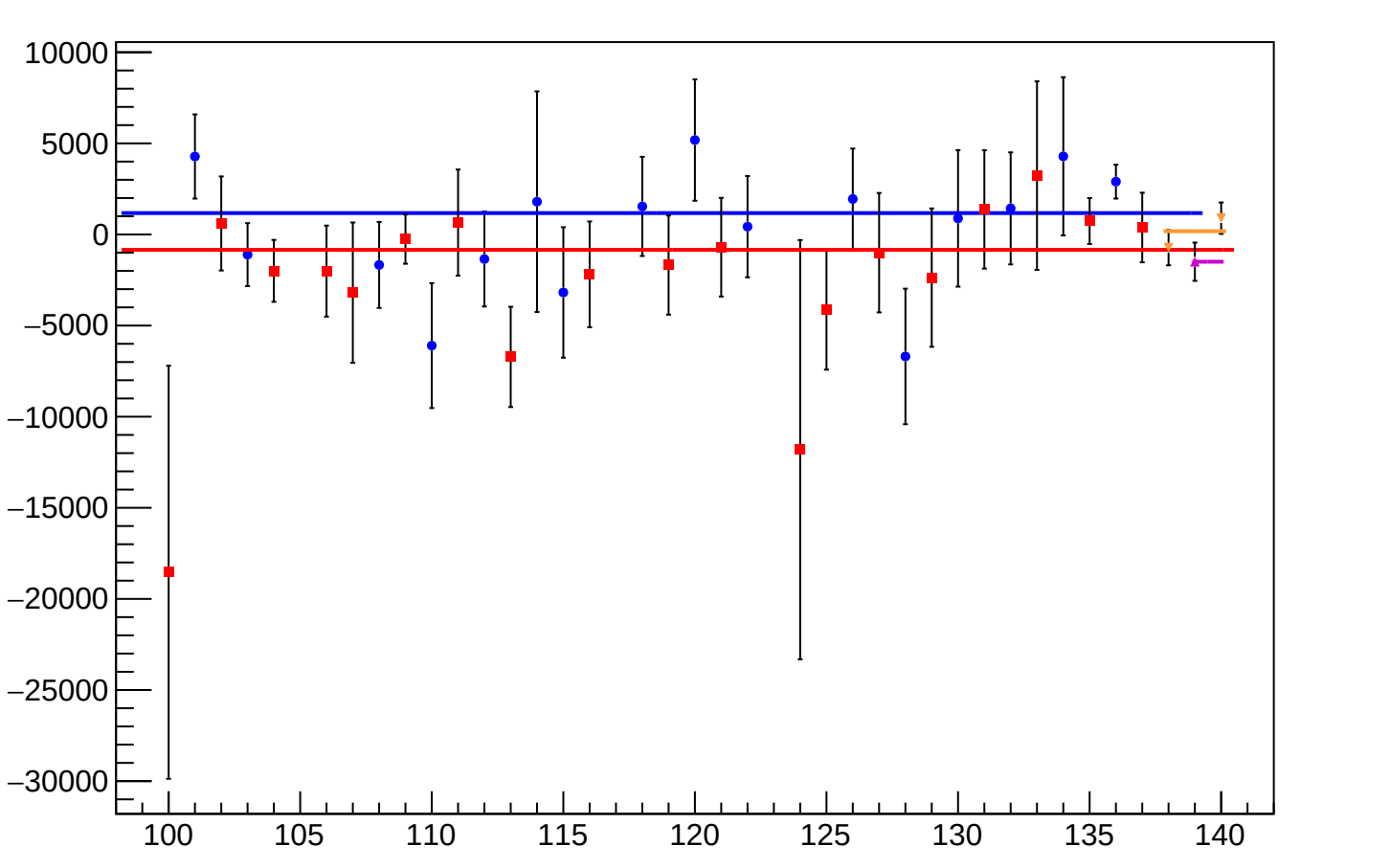
Left: 1855.234+/-0.835 χ^2/NDF: 1523.6/2

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1632.583+/-0.412 χ^2/NDF:427308.0/16

Out: 1641.528+/-0.394 χ^2/NDF:481876.3/20

All: 1637.250+/-0.285 χ^2/NDF: 909430.2/37



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 179.003+/-643.358 χ^2/NDF:1.6/1

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -1494.719+/-1050.147 χ^2/NDF:0.0/0

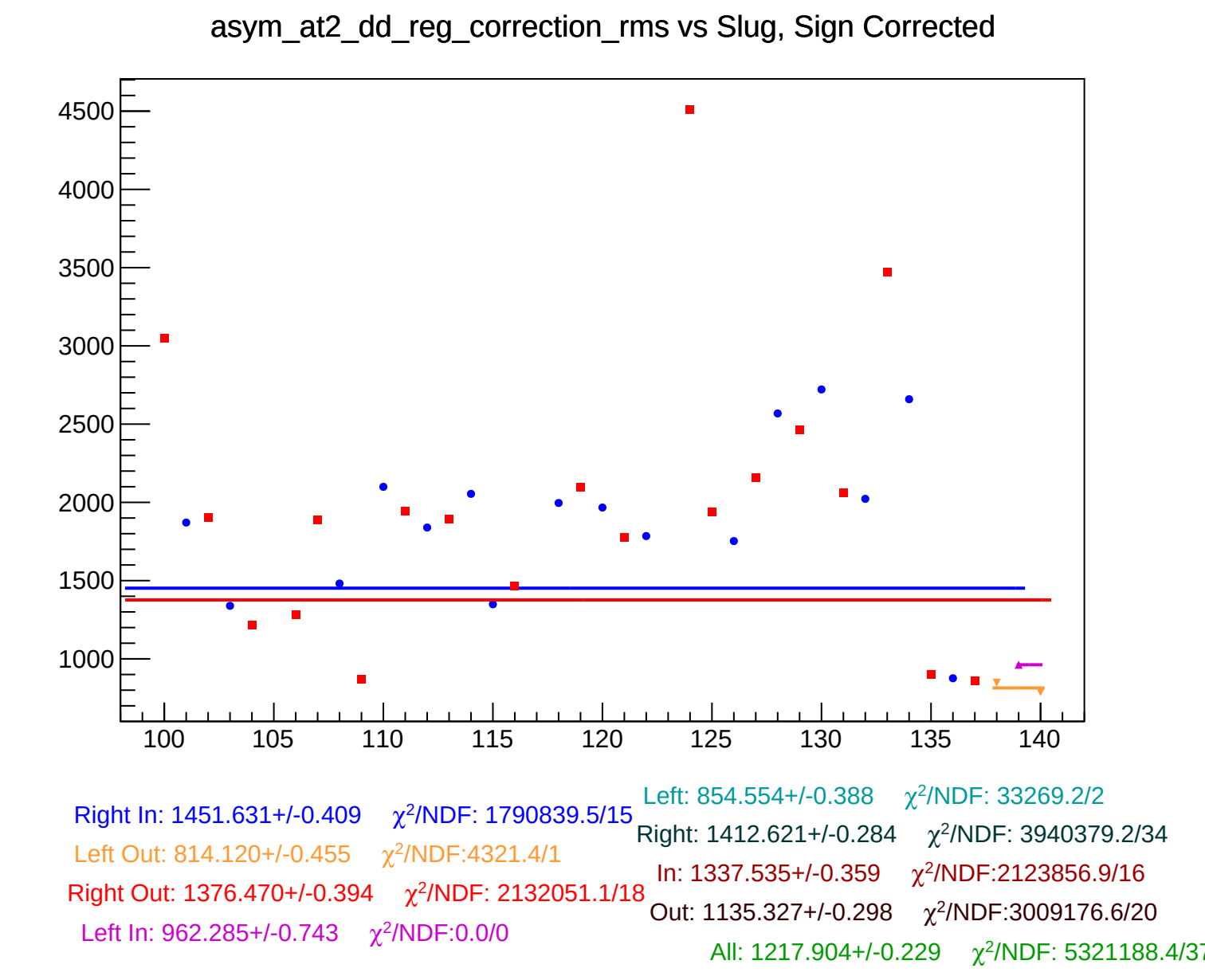
Left: -277.752+/-548.593 χ^2/NDF: 3.4/2

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

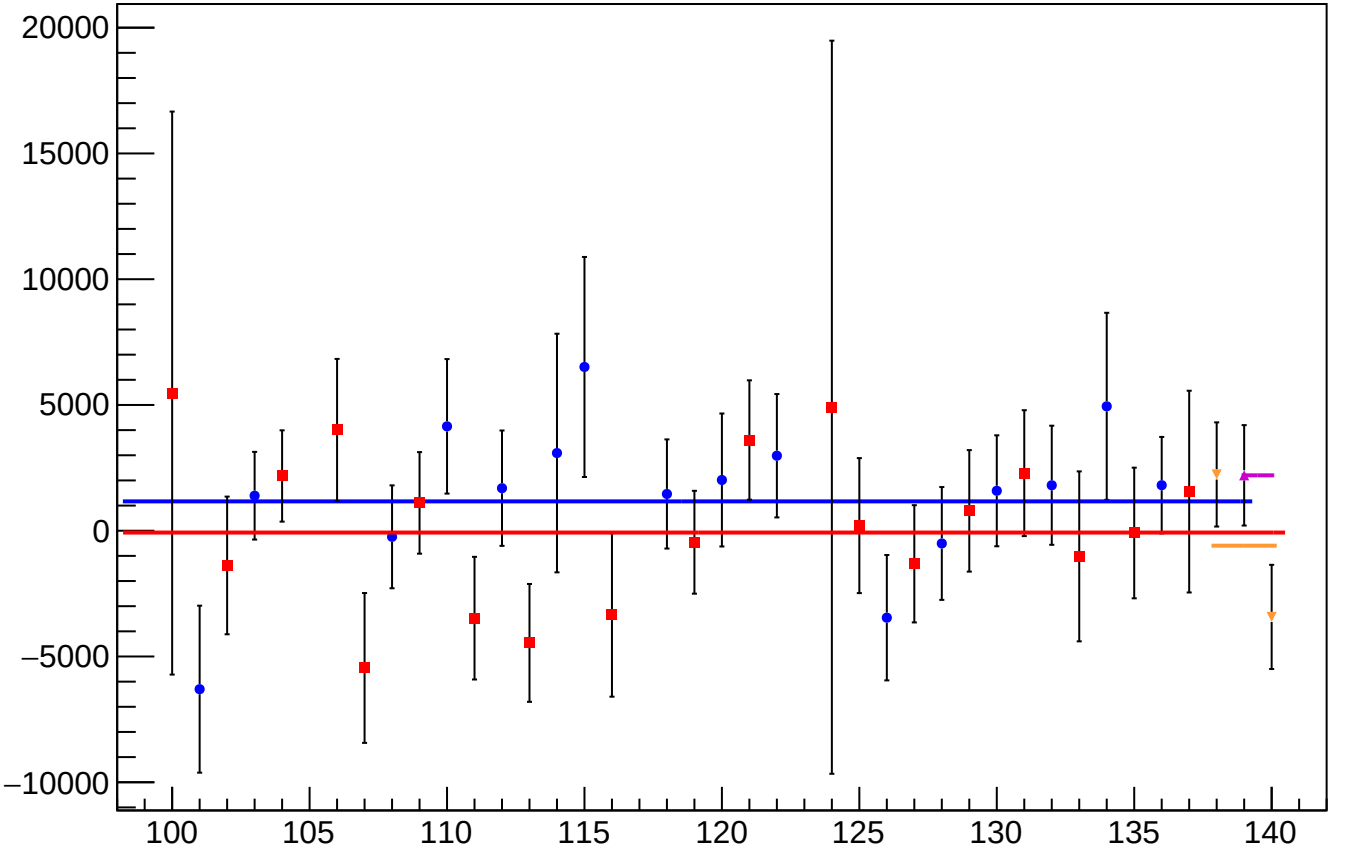
In: 552.894+/-507.081 χ^2/NDF:26.9/16

Out: -405.242+/-421.295 χ^2/NDF:17.3/20

All: -13.960+/-324.047 χ^2/NDF: 46.3/37


asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
105
110
115
120
125
130
135
140
Right In: 1451.631+/-0.409 χ²/NDF: 1790839.5/15
Left Out: 814.120+/-0.455 χ²/NDF:4321.4/1
Right Out: 1376.470+/-0.394 χ²/NDF: 2132051.1/18
Left In: 962.285+/-0.743 χ²/NDF:0.0/0
Left: 854.554+/-0.388 χ²/NDF: 33269.2/2
Right: 1412.621+/-0.284 χ²/NDF: 3940379.2/34
In: 1337.535+/-0.359 χ²/NDF:2123856.9/16
Out: 1135.327+/-0.298 χ²/NDF:3009176.6/20
All: 1217.904+/-0.229 χ²/NDF: 5321188.4/37

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -594.494+/-1464.526 χ^2/NDF:3.7/1

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 2202.640+/-1996.173 χ^2/NDF:0.0/0

Left: 384.273+/-1180.813 χ^2/NDF: 5.0/2

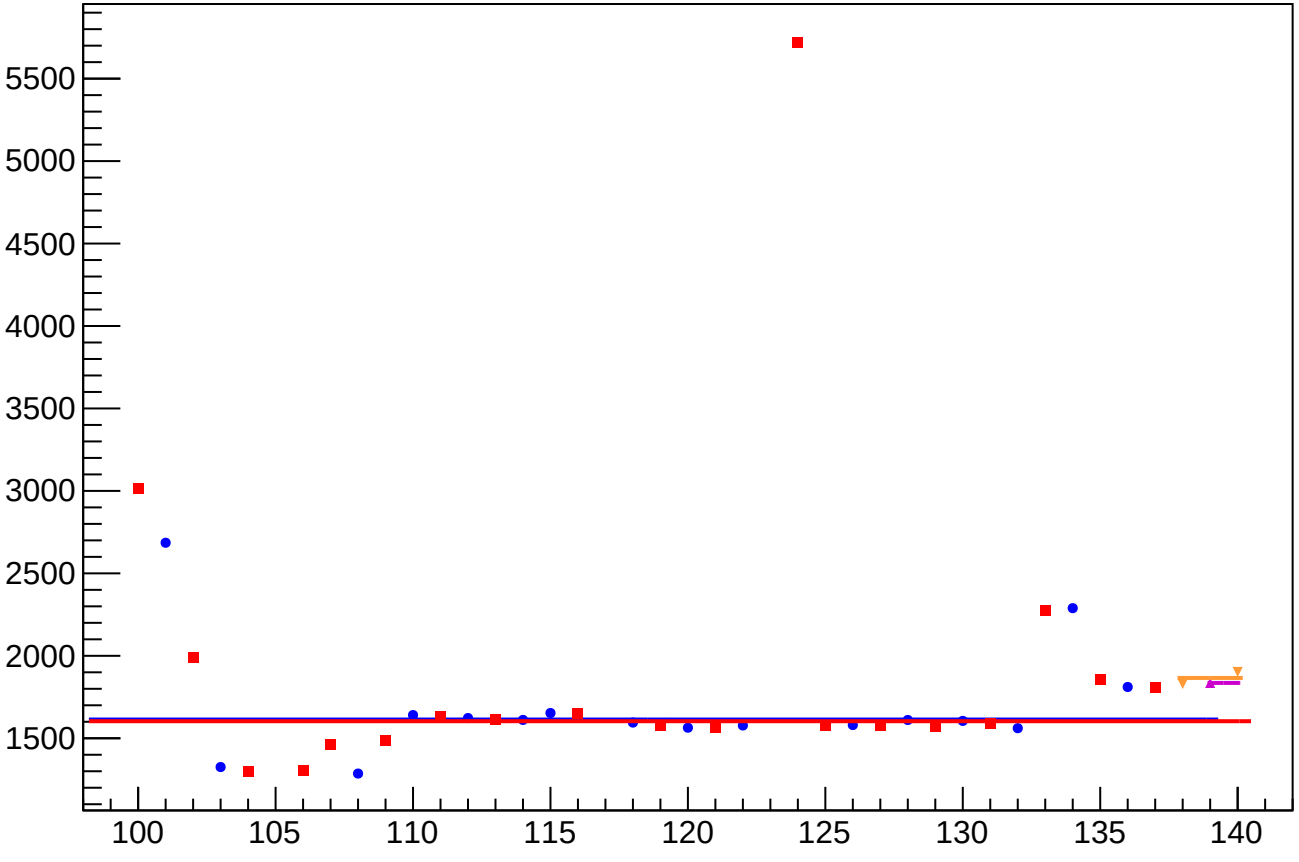
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 1255.020+/-582.645 χ^2/NDF:14.7/16

Out: -148.242+/-557.872 χ^2/NDF:22.1/20

All: 522.924+/-402.948 χ^2/NDF: 39.8/37

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1865.788+/-1.036 χ^2/NDF:1226.8/1

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1835.626+/-1.412 χ^2/NDF:0.0/0

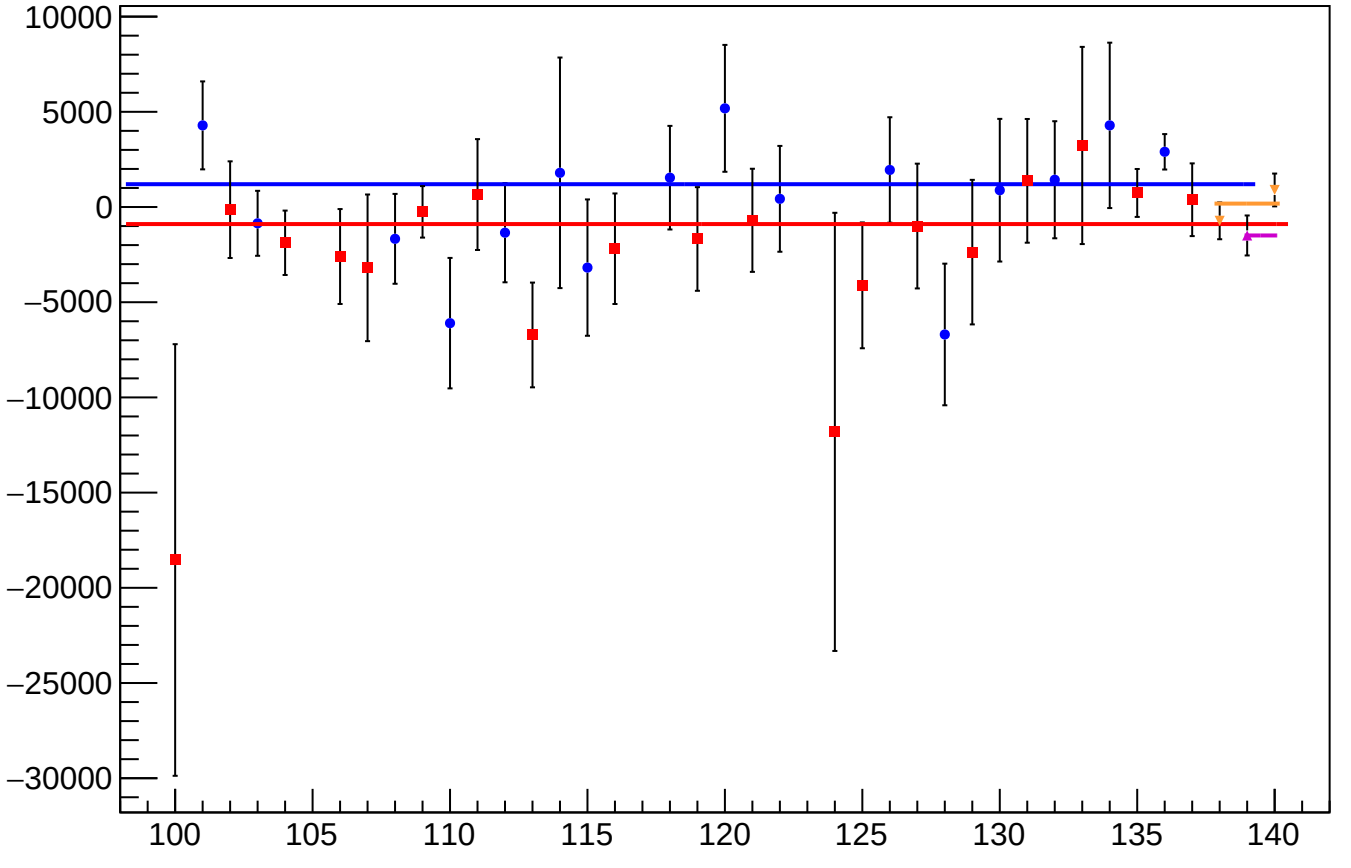
Left: 1855.234+/-0.835 χ^2/NDF: 1523.6/2

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1632.583+/-0.412 χ^2/NDF:427308.3/16

Out: 1641.528+/-0.394 χ^2/NDF:481876.3/20

All: 1637.249+/-0.285 χ^2/NDF: 909430.5/37



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 179.267+/-643.373 χ^2/NDF:1.6/1

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -1494.357+/-1050.148 χ^2/NDF:0.0/0

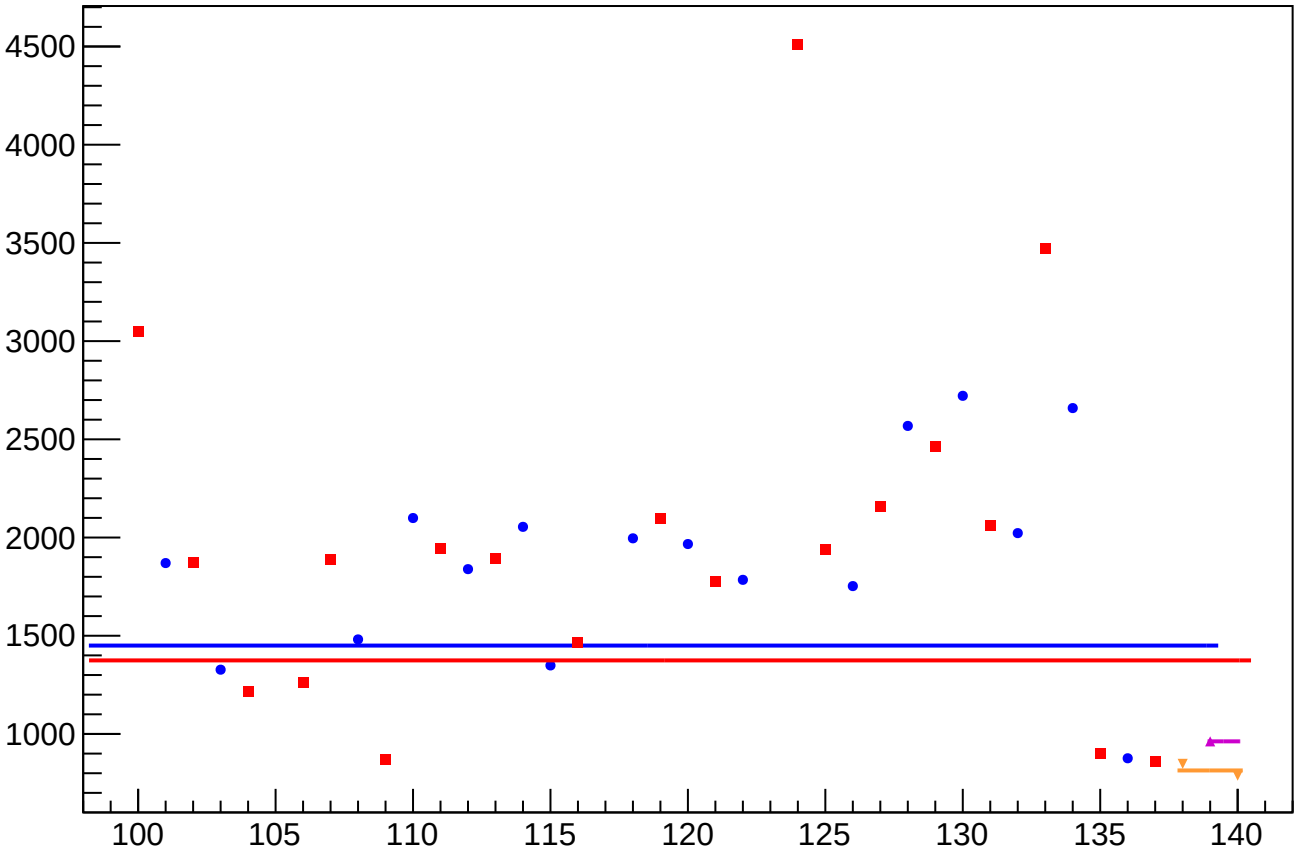
Left: -277.478+/-548.603 χ^2/NDF: 3.4/2

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 571.875+/-506.529 χ^2/NDF:26.7/16

Out: -435.348+/-420.966 χ^2/NDF:17.4/20

All: -23.871+/-323.753 χ^2/NDF: 46.4/37



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 814.142+/-0.455 χ^2/NDF:4316.0/1

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 962.285+/-0.743 χ^2/NDF:0.0/0

Left: 854.571+/-0.388 χ^2/NDF: 33255.1/2

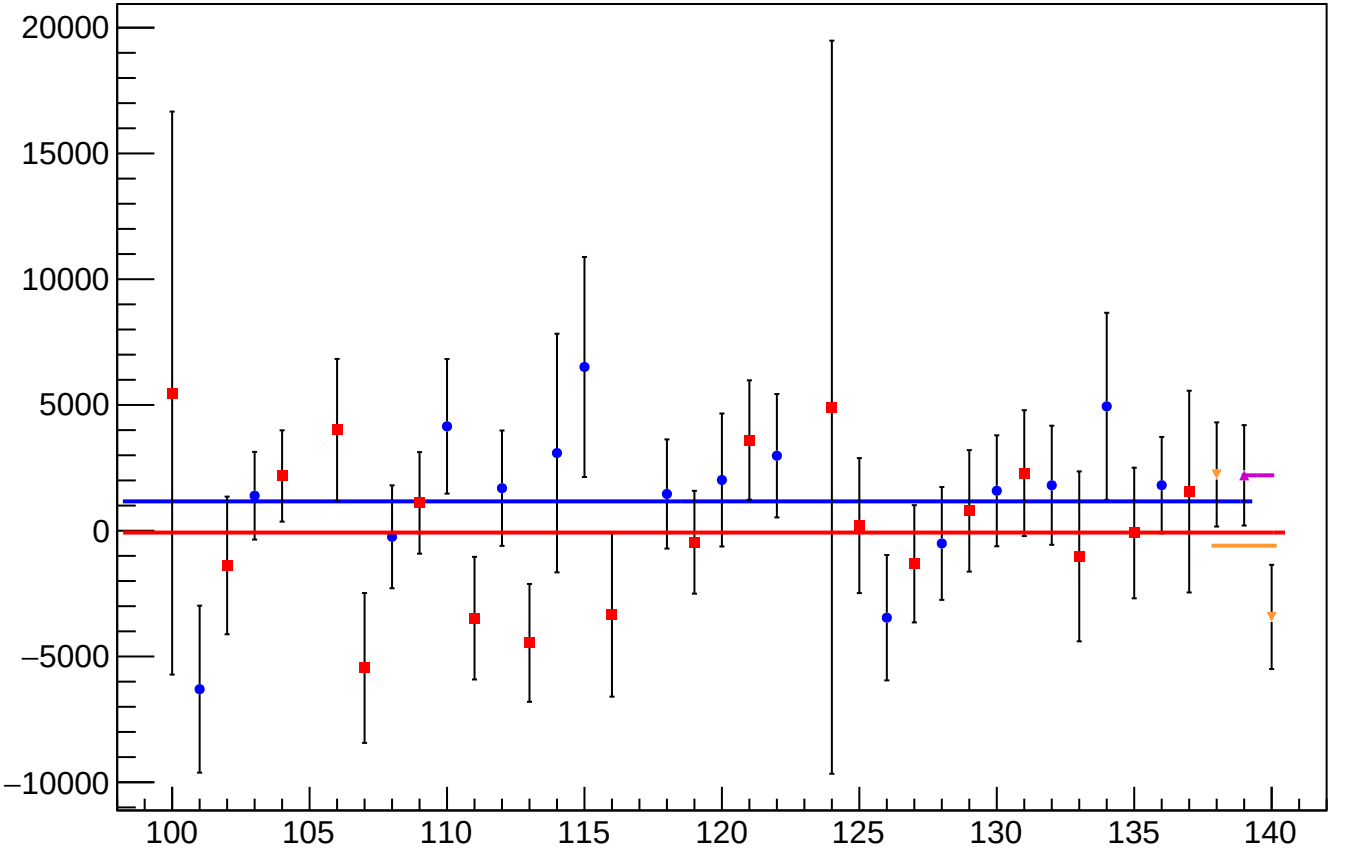
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1336.485+/-0.358 χ^2/NDF:2123608.9/16

Out: 1134.563+/-0.298 χ^2/NDF:2999457.5/20

All: 1217.053+/-0.229 χ^2/NDF: 5311051.8/37

eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -594.494+/-1464.526 χ^2/NDF:3.7/1

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 2202.640+/-1996.173 χ^2/NDF:0.0/0

Left: 384.273+/-1180.813 χ^2/NDF: 5.0/2

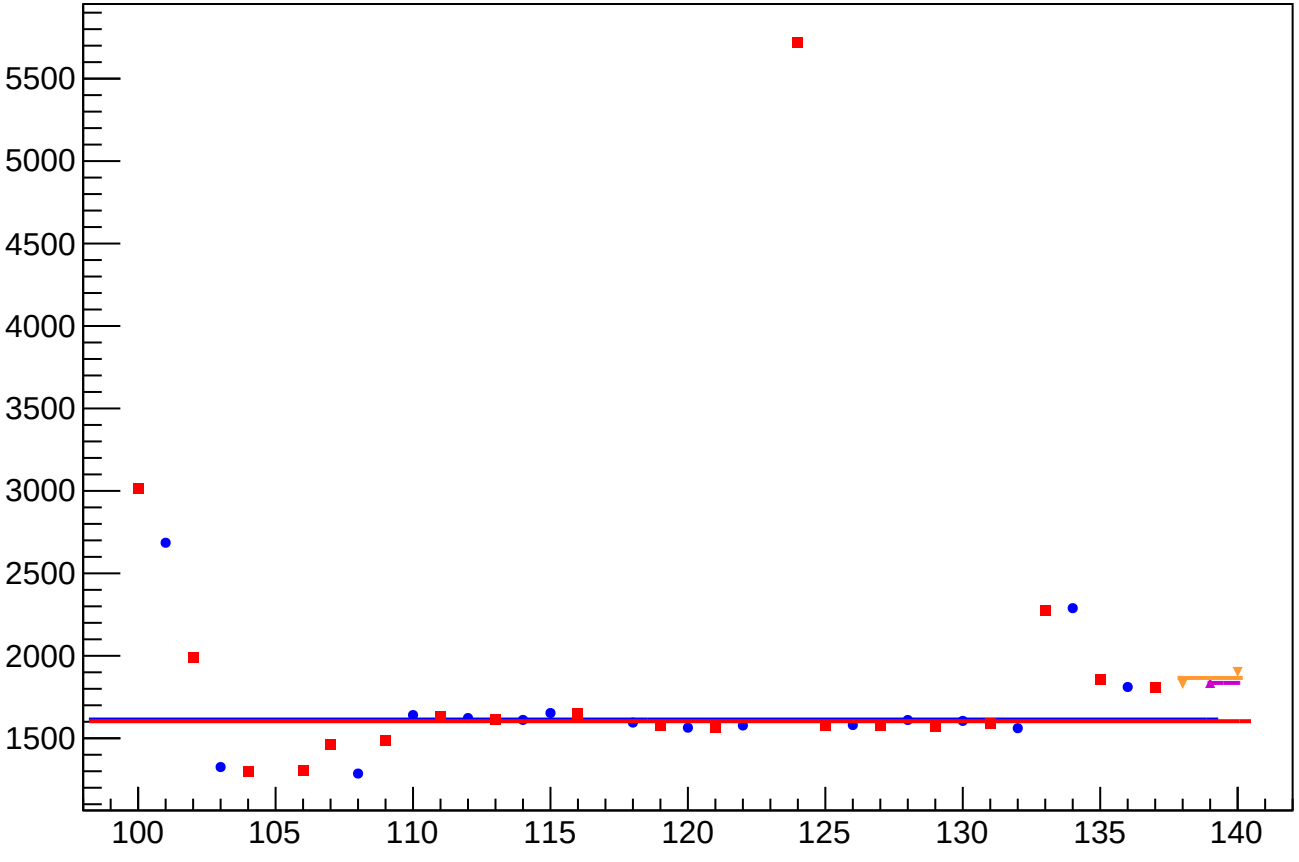
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 1255.020+/-582.645 χ^2/NDF:14.7/16

Out: -148.242+/-557.872 χ^2/NDF:22.1/20

All: 522.924+/-402.948 χ^2/NDF: 39.8/37

eigen_cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1865.788+/-1.036 χ^2/NDF:1226.8/1

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1835.626+/-1.412 χ^2/NDF:0.0/0

Left: 1855.234+/-0.835 χ^2/NDF: 1523.6/2

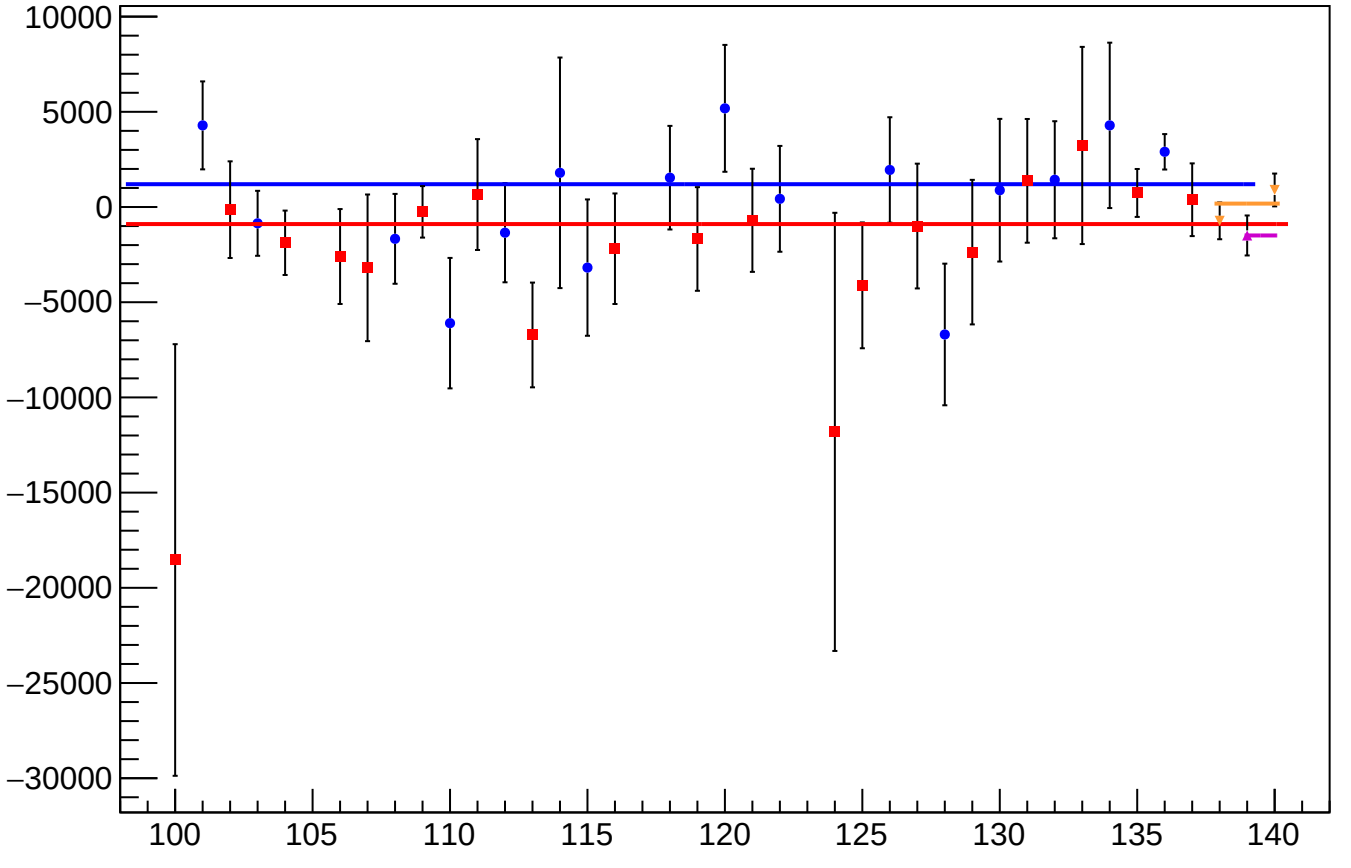
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1632.583+/-0.412 χ^2/NDF:427308.3/16

Out: 1641.528+/-0.394 χ^2/NDF:481876.3/20

All: 1637.249+/-0.285 χ^2/NDF: 909430.5/37

asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 179.267+/-643.373 χ^2/NDF:1.6/1

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -1494.357+/-1050.148 χ^2/NDF:0.0/0

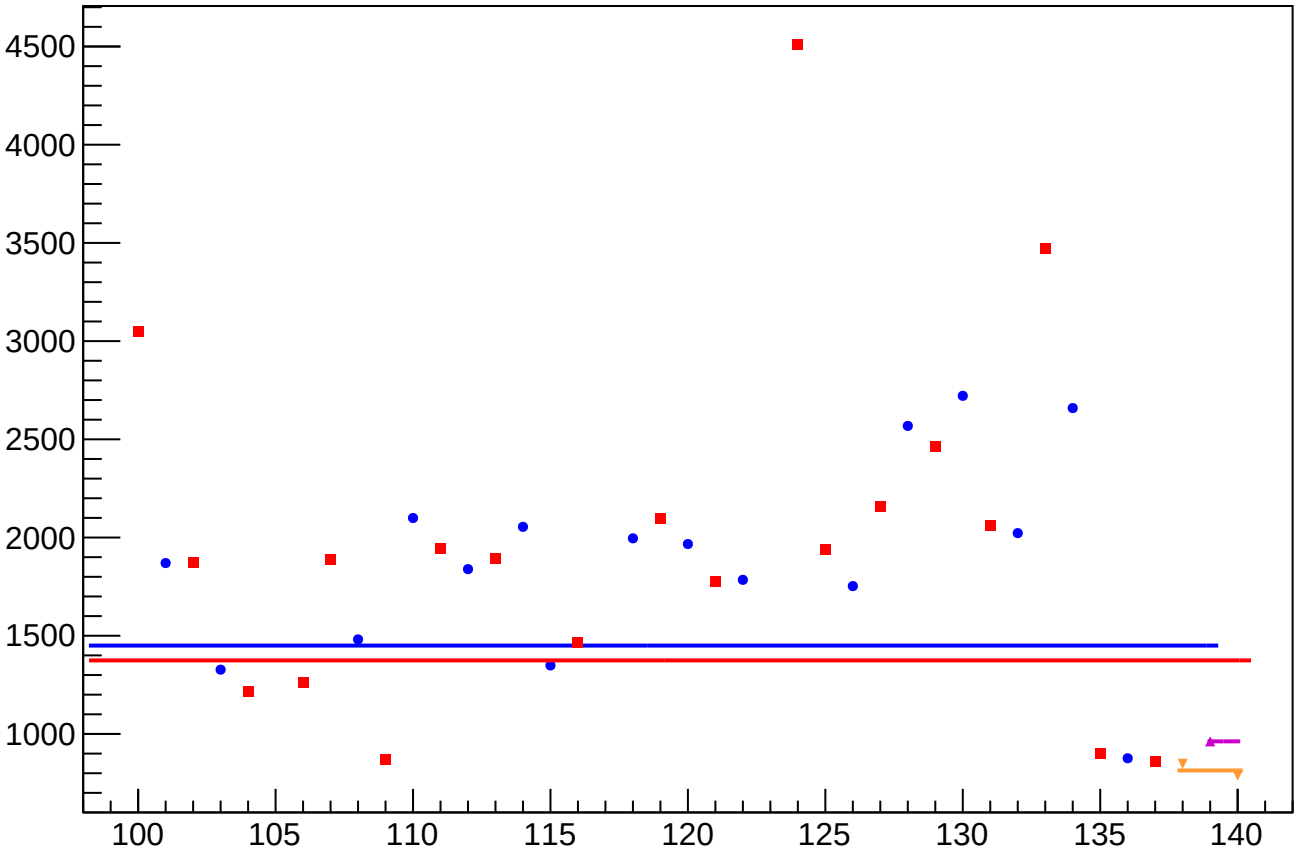
Left: -277.478+/-548.603 χ^2/NDF: 3.4/2

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 571.875+/-506.529 χ^2/NDF:26.7/16

Out: -435.348+/-420.966 χ^2/NDF:17.4/20

All: -23.871+/-323.753 χ^2/NDF: 46.4/37



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 814.142+/-0.455 χ^2/NDF:4316.0/1

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 962.285+/-0.743 χ^2/NDF:0.0/0

Left: 854.571+/-0.388 χ^2/NDF: 33255.1/2

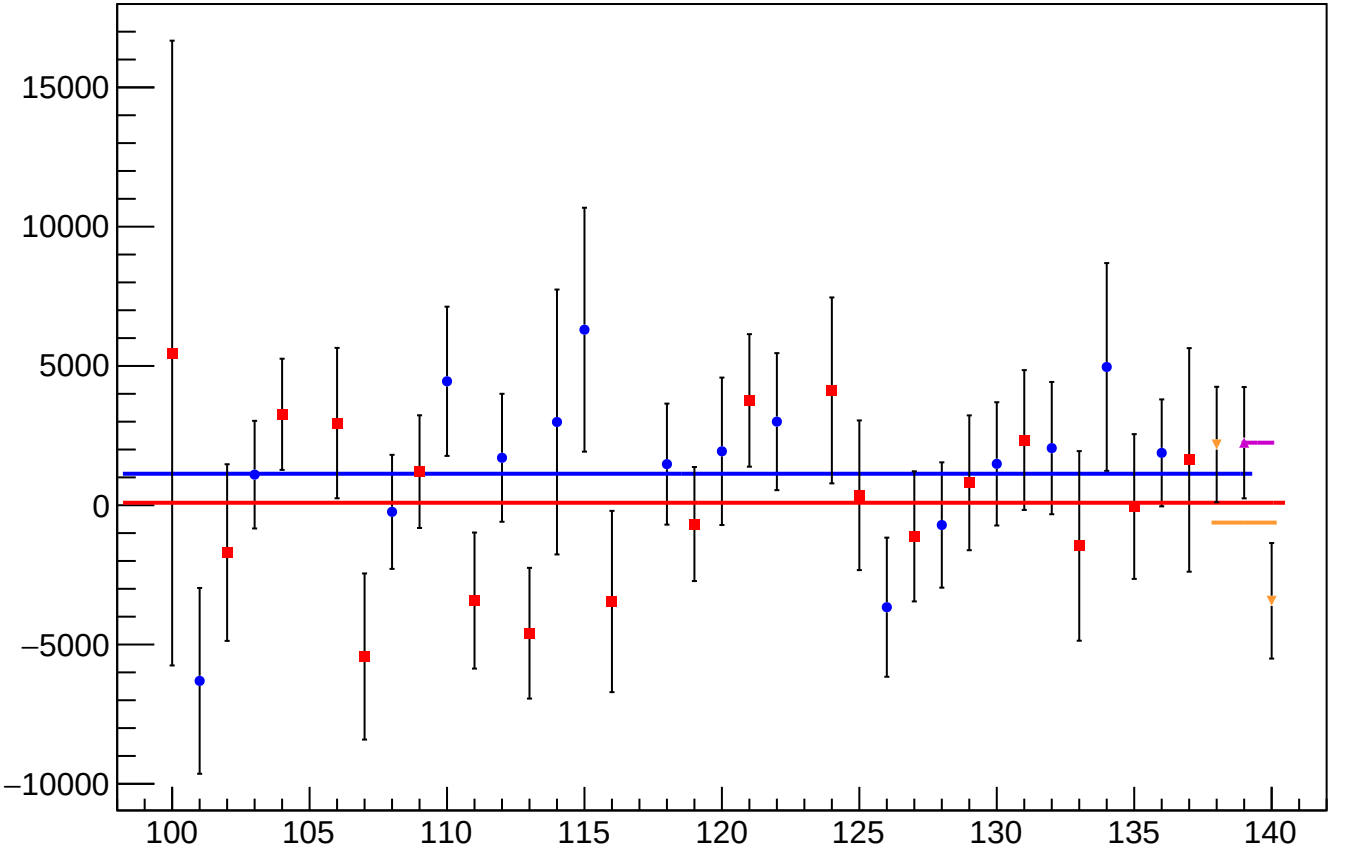
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1336.485+/-0.358 χ^2/NDF:2123608.9/16

Out: 1134.563+/-0.298 χ^2/NDF:2999457.5/20

All: 1217.053+/-0.229 χ^2/NDF: 5311051.8/37

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -622.901+/-1465.799 χ^2/NDF:3.7/1

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 2245.462+/-1997.745 χ^2/NDF:0.0/0

Left: 380.897+/-1181.806 χ^2/NDF: 5.0/2

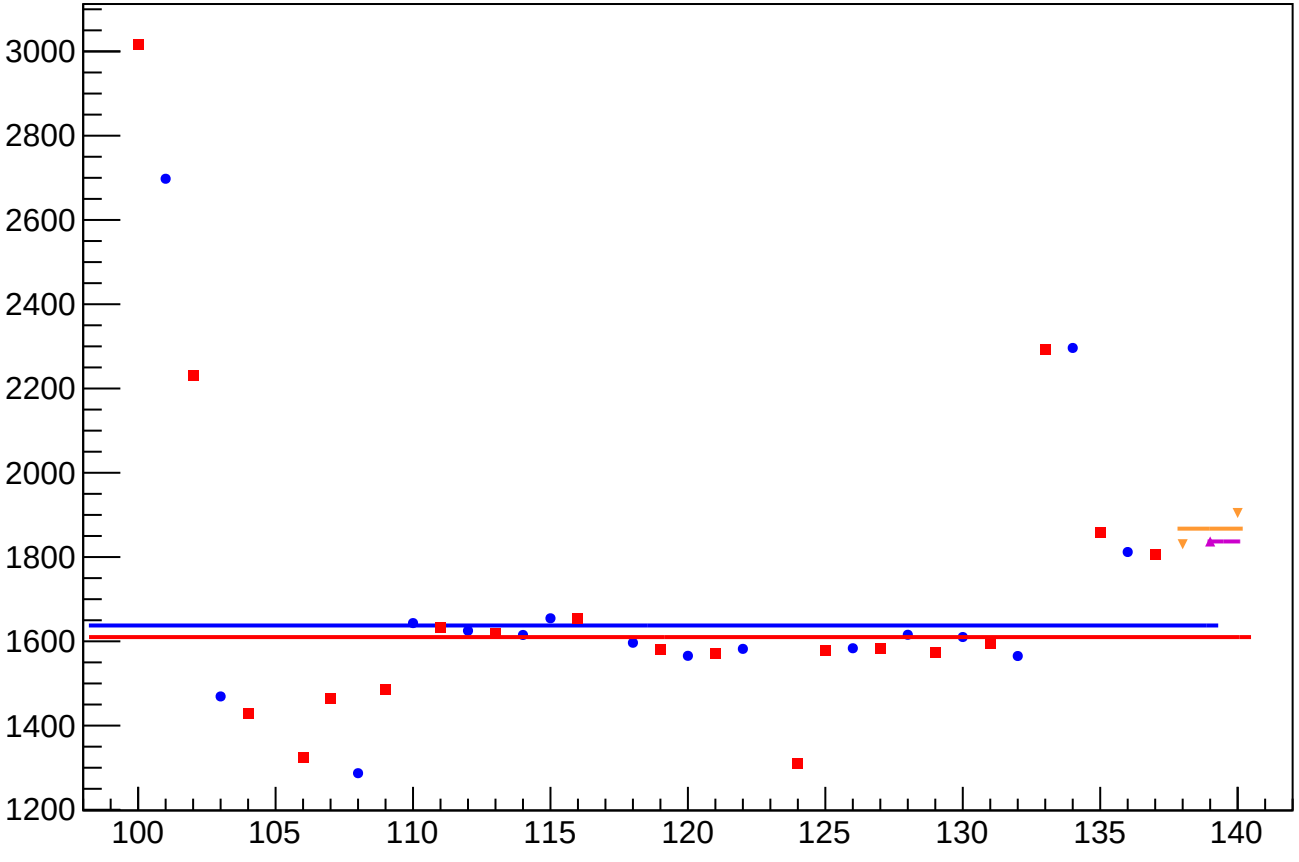
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 1227.866+/-589.730 χ^2/NDF:15.3/16

Out: -13.872+/-557.713 χ^2/NDF:24.5/20

All: 572.377+/-405.209 χ^2/NDF: 42.2/37

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1867.396+/-1.036 χ^2/NDF:1279.3/1

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1836.991+/-1.413 χ^2/NDF:0.0/0

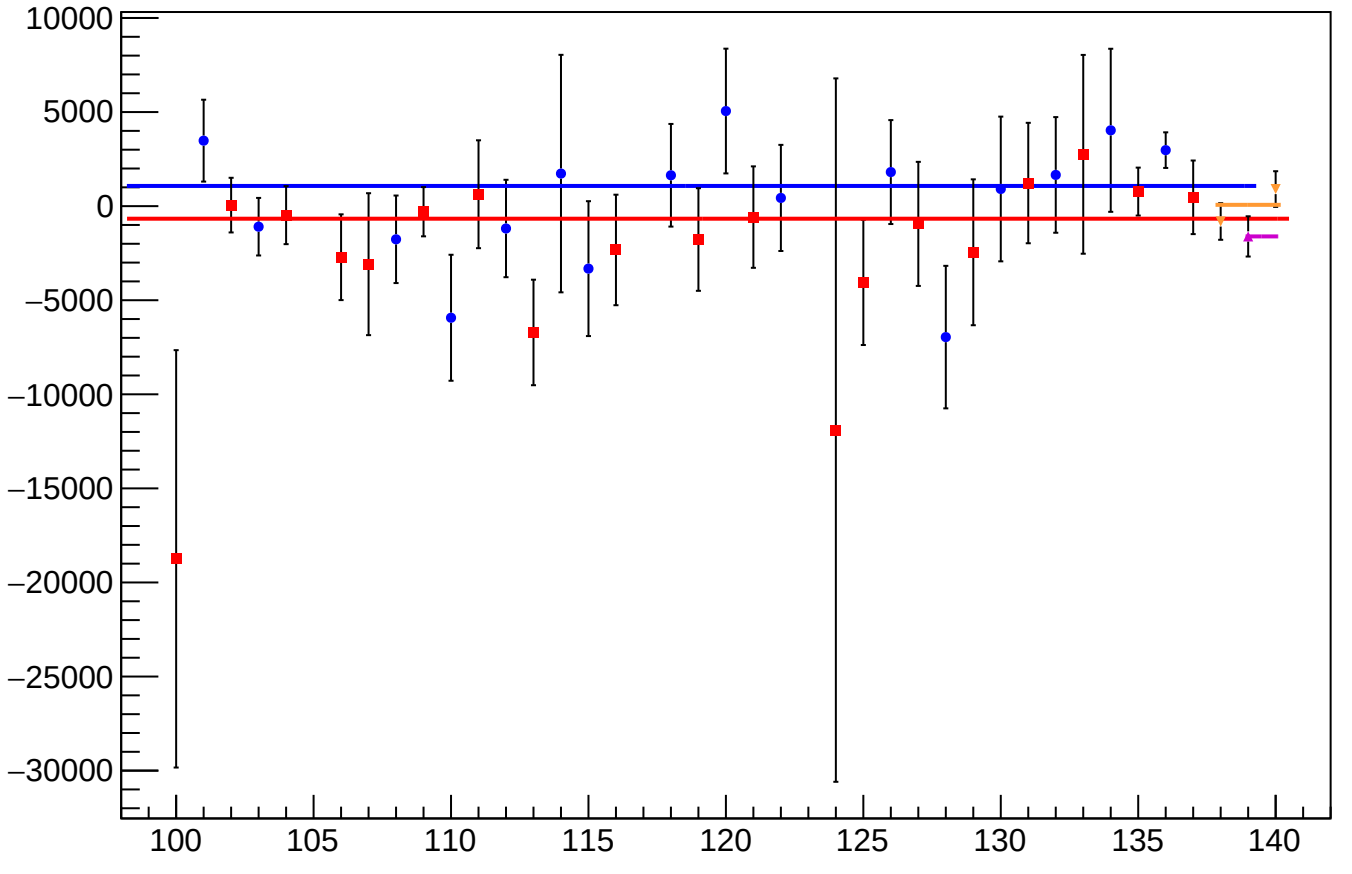
Left: 1856.756+/-0.836 χ^2/NDF: 1580.4/2

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1654.951+/-0.417 χ^2/NDF:379608.9/16

Out: 1647.300+/-0.394 χ^2/NDF:334817.6/20

All: 1650.912+/-0.287 χ^2/NDF: 714604.2/37



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 69.256+/-679.285 χ^2/NDF:1.6/1

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -1608.746+/-1069.671 χ^2/NDF:0.0/0

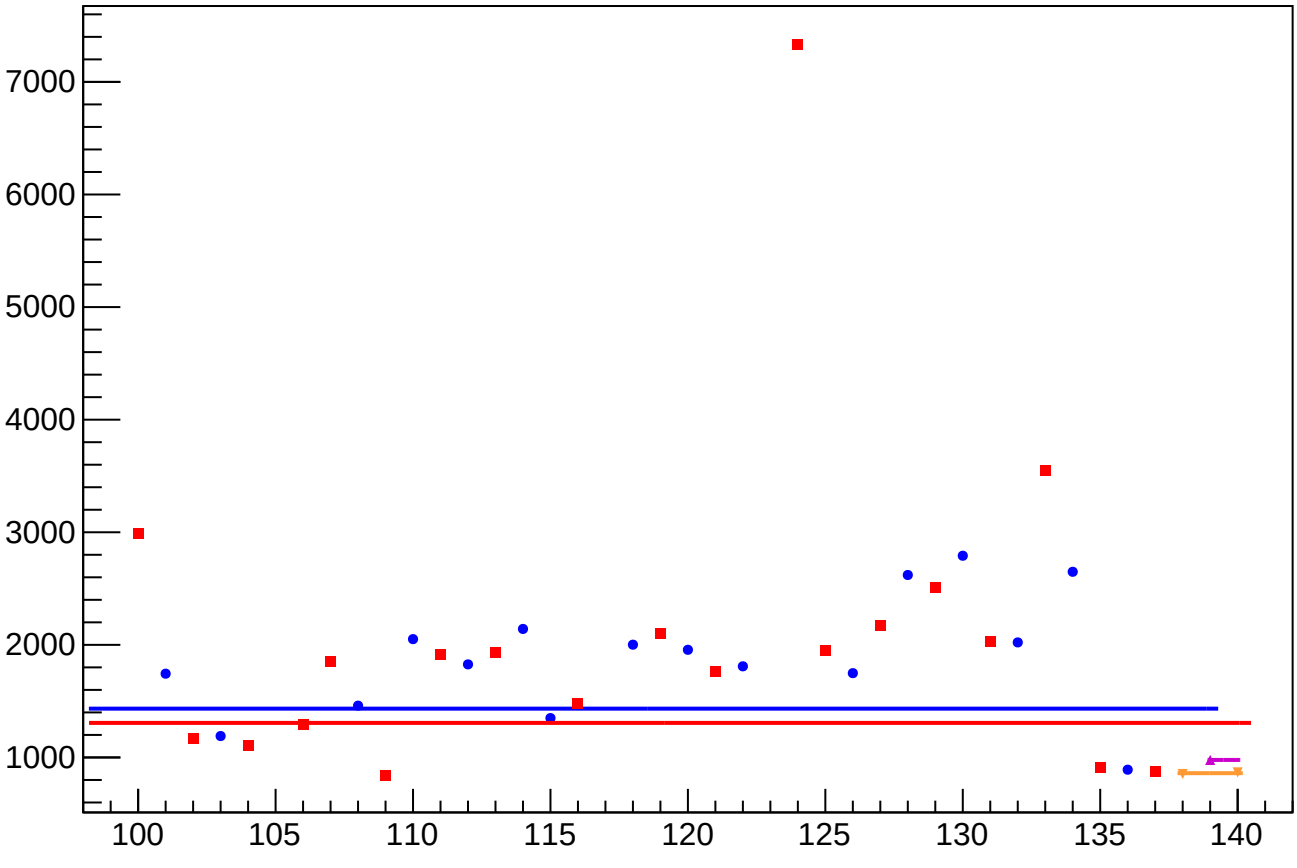
Left: -412.972+/-573.430 χ^2/NDF: 3.4/2

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: 477.774+/-504.142 χ^2/NDF:26.9/16

Out: -393.162+/-414.640 χ^2/NDF:15.9/20

All: -41.737+/-320.240 χ^2/NDF: 44.6/37



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 860.401+/-0.480 χ^2/NDF:224.8/1

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 977.920+/-0.756 χ^2/NDF:0.0/0

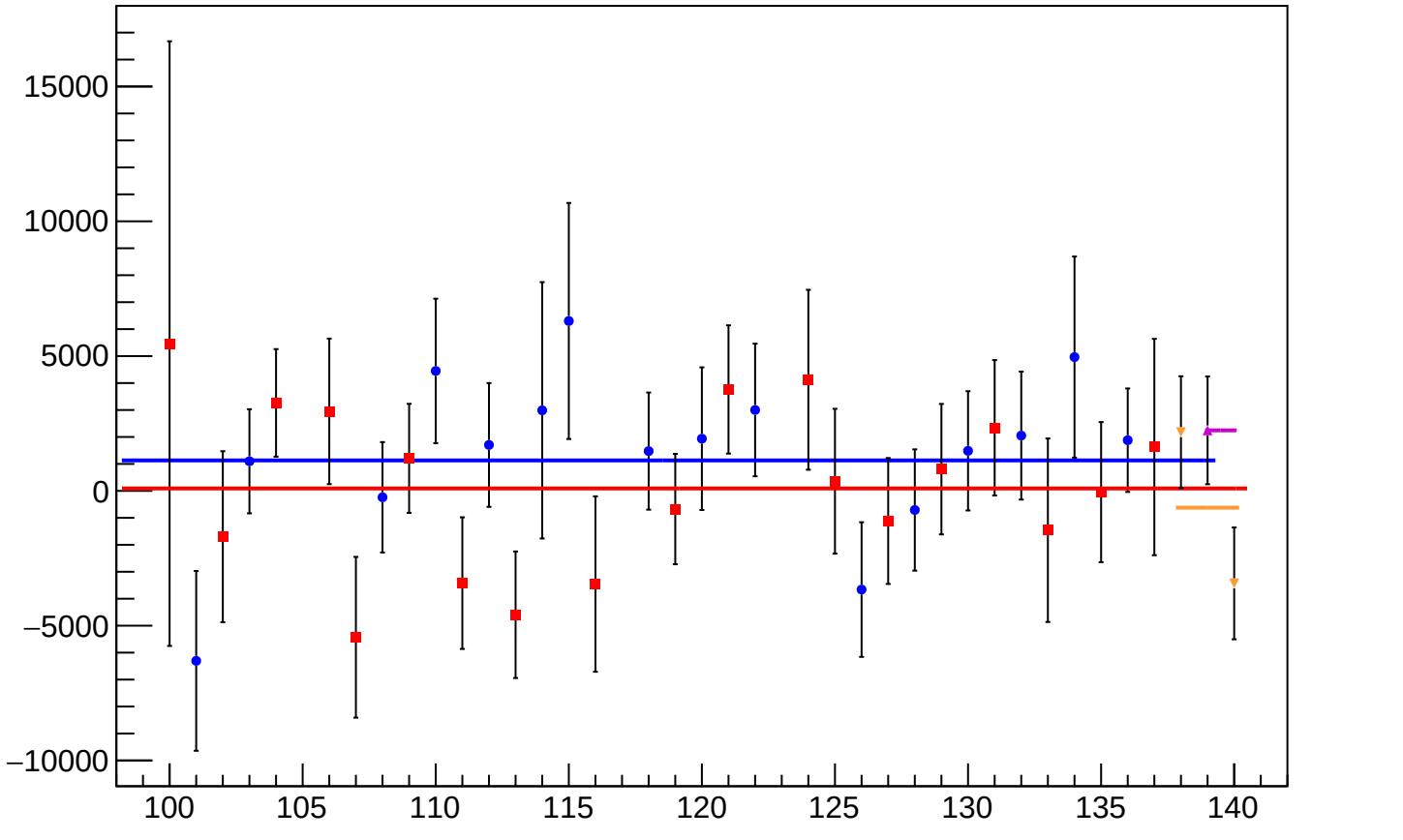
Left: 894.174+/-0.405 χ^2/NDF: 17427.9/2

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1332.285+/-0.356 χ^2/NDF:2045668.6/16

Out: 1140.515+/-0.293 χ^2/NDF:2726193.6/20

All: 1217.895+/-0.226 χ^2/NDF: 4944483.0/37



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: -622.917+/-1465.799 χ^2/NDF:3.7/1

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 2245.424+/-1997.745 χ^2/NDF:0.0/0

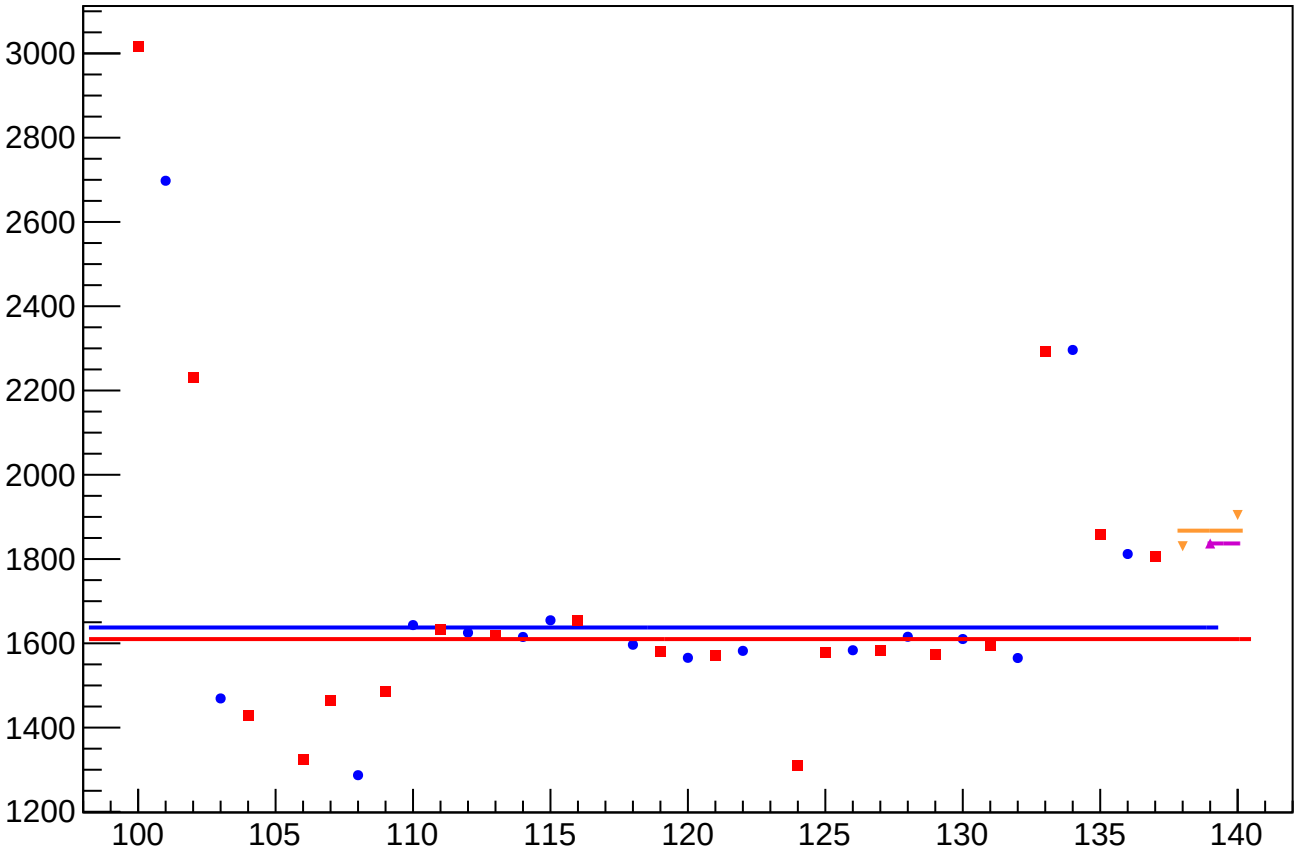
Left: 380.874+/-1181.806 χ^2/NDF: 5.0/2

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 1227.864+/-589.730 χ^2/NDF:15.3/16

Out: -13.870+/-557.713 χ^2/NDF:24.5/20

All: 572.377+/-405.209 χ^2/NDF: 42.2/37



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1867.396+/-1.036 χ^2/NDF:1279.3/1

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1836.991+/-1.413 χ^2/NDF:0.0/0

Left: 1856.756+/-0.836 χ^2/NDF: 1580.4/2

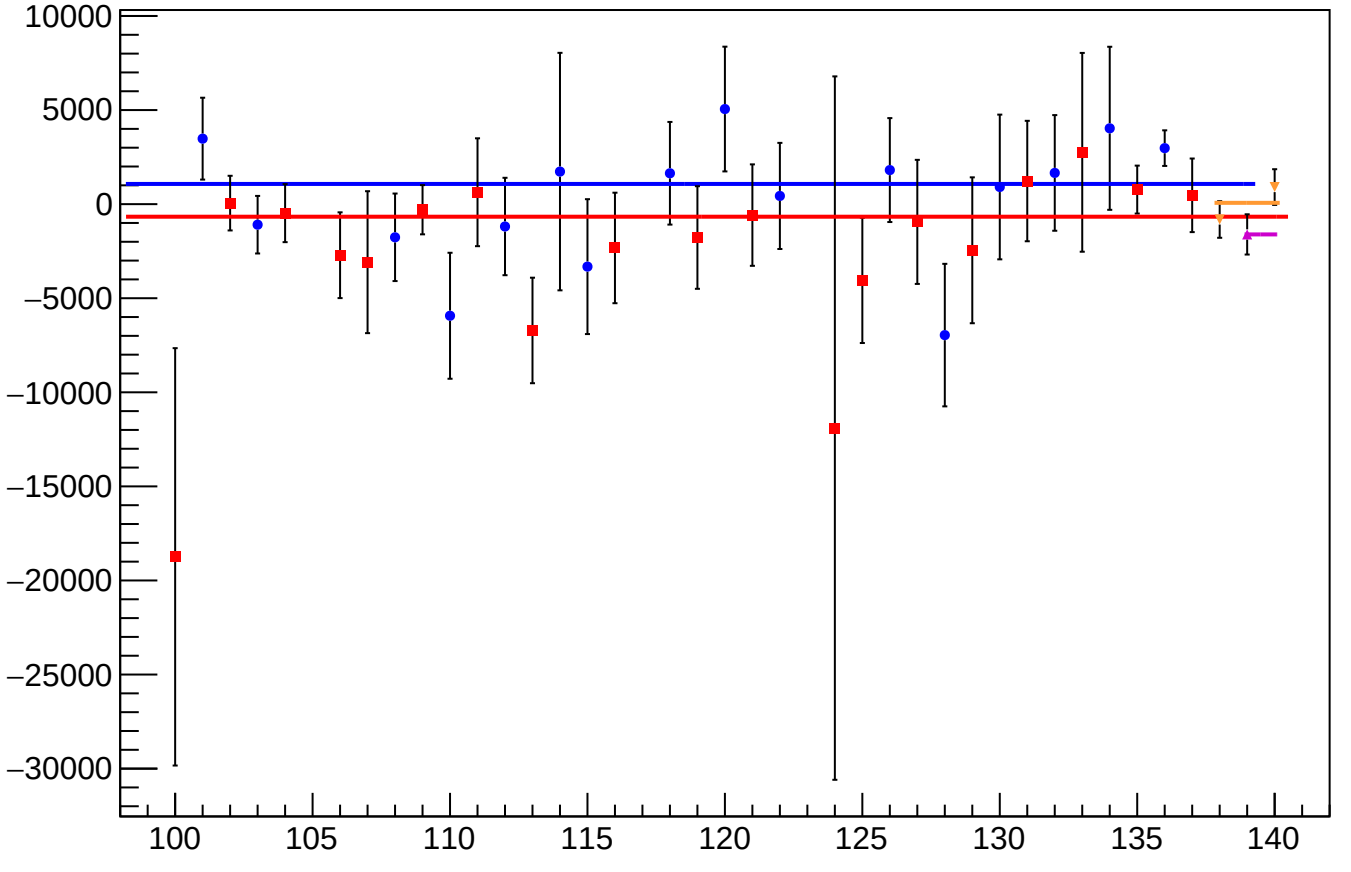
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1654.951+/-0.417 χ^2/NDF:379608.7/16

Out: 1647.299+/-0.394 χ^2/NDF:334817.9/20

All: 1650.912+/-0.287 χ^2/NDF: 714604.4/37

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: 69.262+/-679.299 χ^2/NDF:1.6/1

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -1608.783+/-1069.700 χ^2/NDF:0.0/0

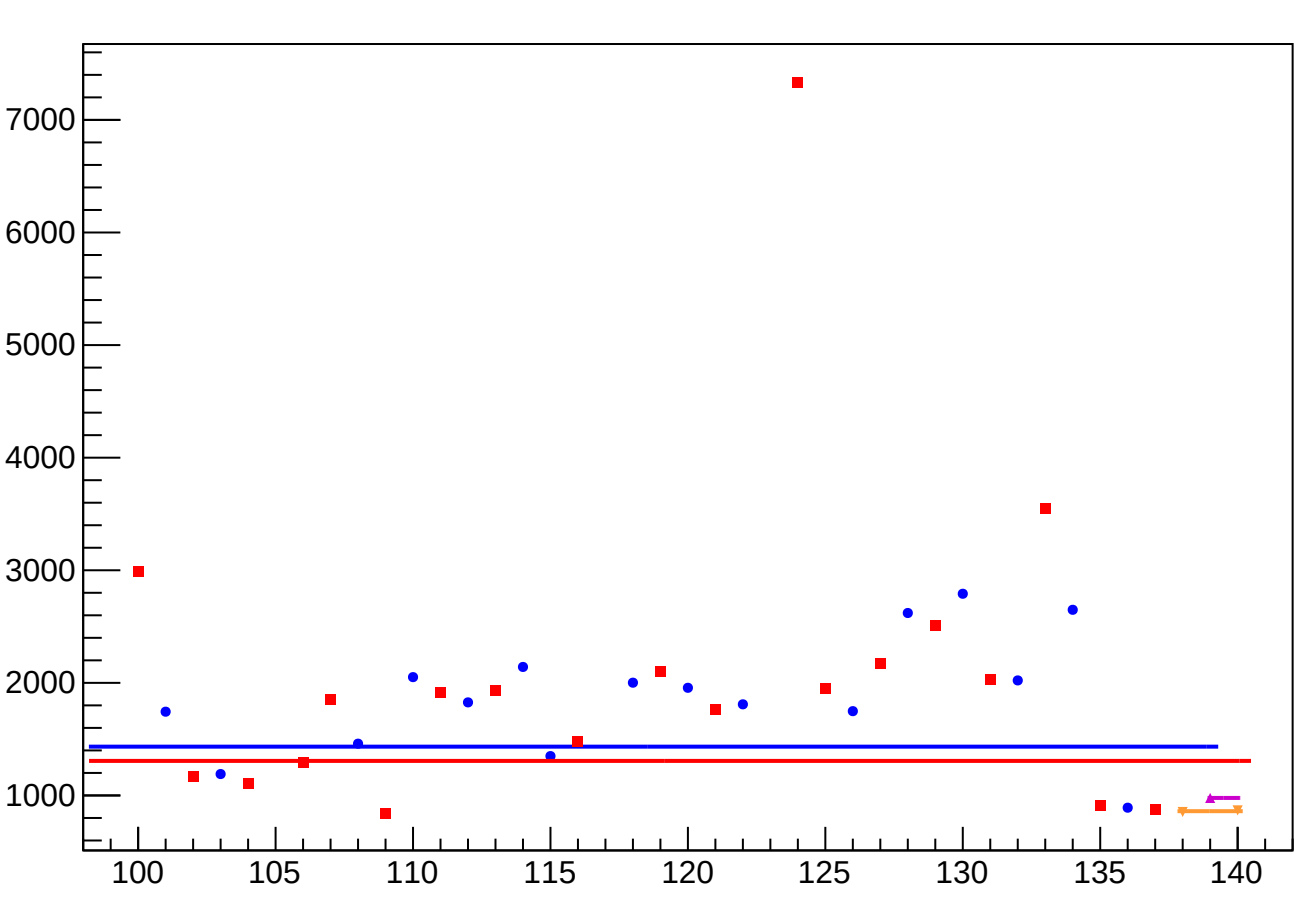
Left: -412.974+/-573.442 χ^2/NDF: 3.4/2

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: 477.775+/-504.148 χ^2/NDF:26.9/16

Out: -393.171+/-414.645 χ^2/NDF:15.9/20

All: -41.742+/-320.244 χ^2/NDF: 44.6/37



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 860.417+/-0.480 χ^2/NDF:224.2/1

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 977.948+/-0.756 χ^2/NDF:0.0/0

Left: 894.193+/-0.405 χ^2/NDF: 17429.5/2

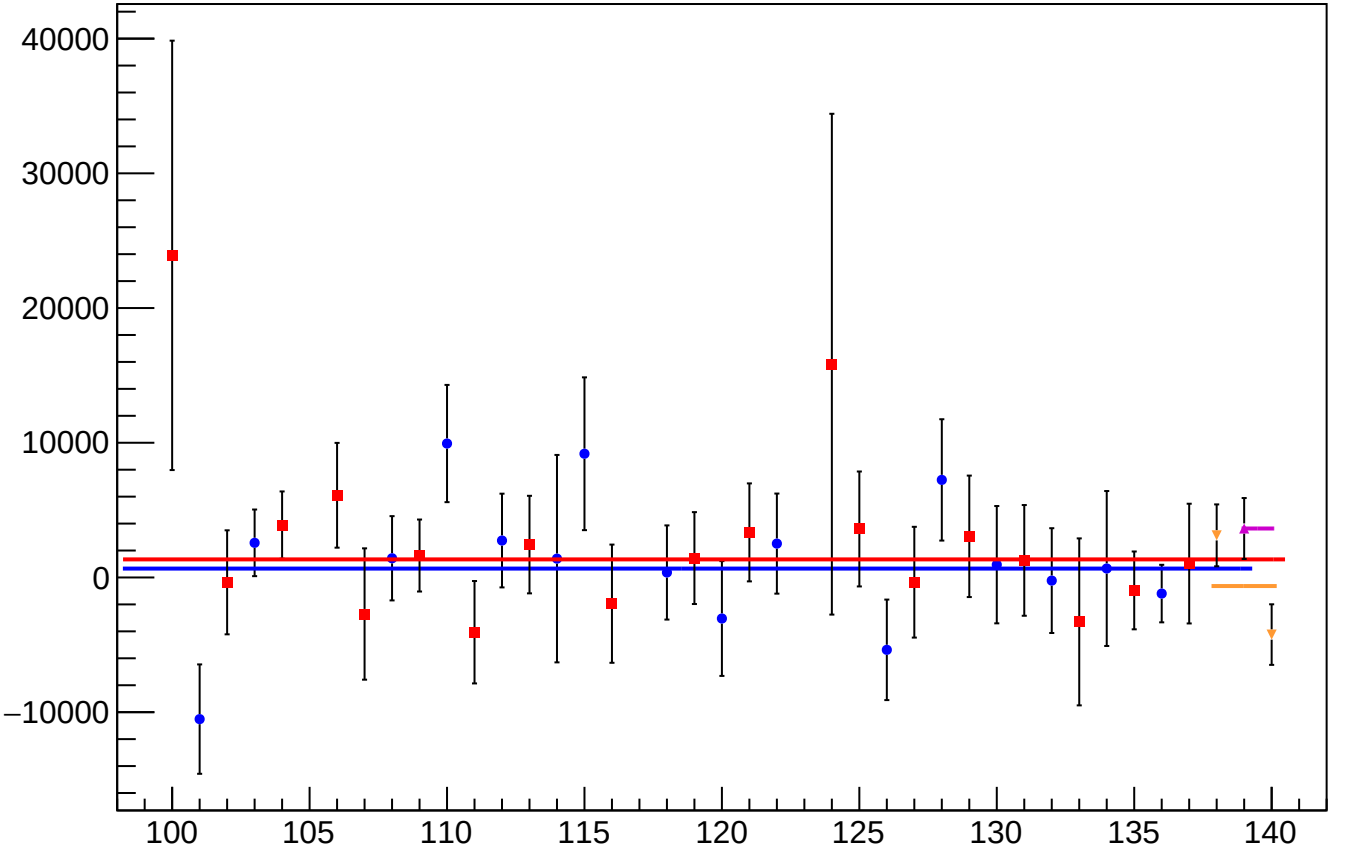
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 1332.306+/-0.356 χ^2/NDF:2045547.1/16

Out: 1140.532+/-0.293 χ^2/NDF:2726096.8/20

All: 1217.913+/-0.226 χ^2/NDF: 4944267.8/37

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -636.755+/-1606.961 χ^2/NDF:5.3/1

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 3634.936+/-2261.603 χ^2/NDF:0.0/0

Left: 796.354+/-1309.954 χ^2/NDF: 7.6/2

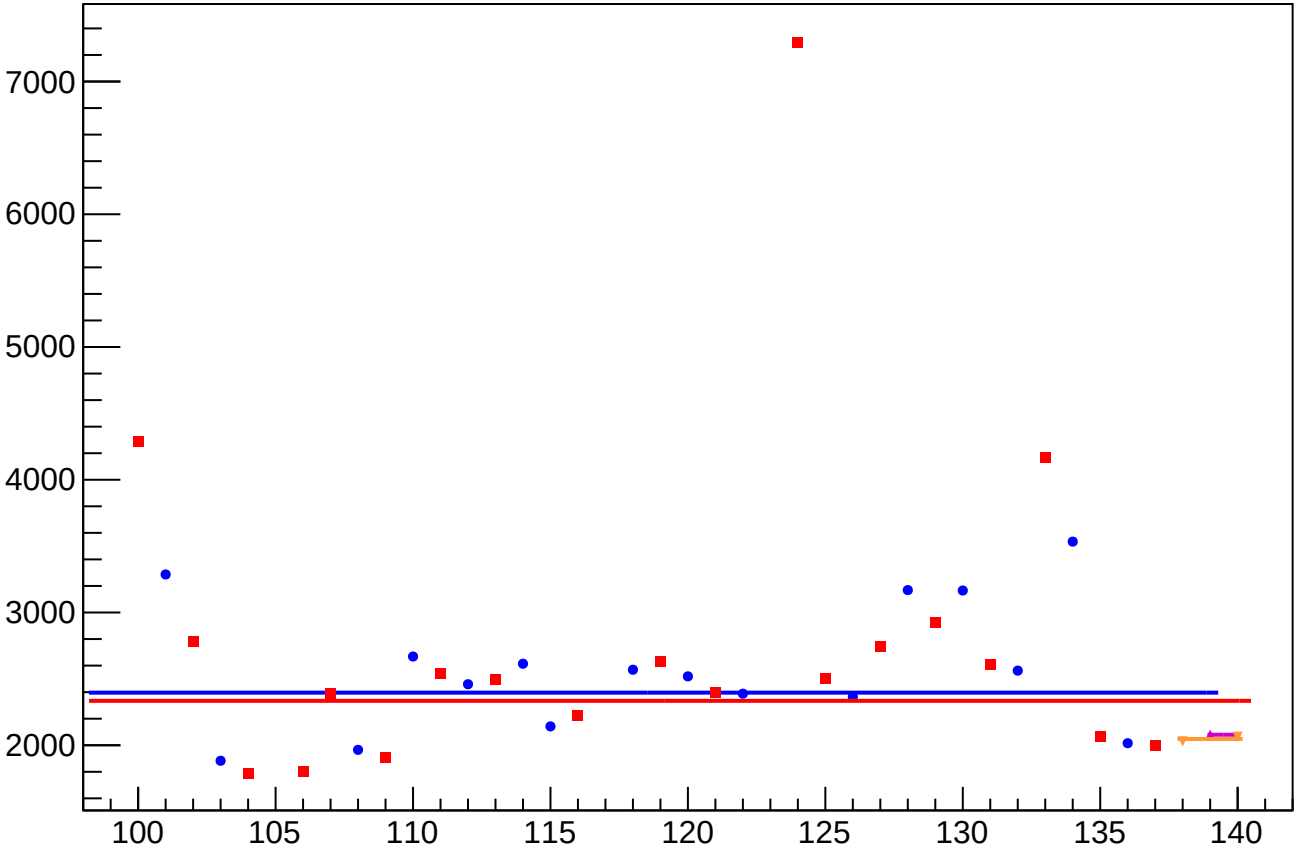
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 1073.729+/-843.879 χ^2/NDF:23.5/16

Out: 877.053+/-778.951 χ^2/NDF:17.2/20

All: 967.535+/-572.381 χ^2/NDF: 40.7/37

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2047.325+/-1.136 χ^2/NDF:237.0/1

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2079.346+/-1.599 χ^2/NDF:0.0/0

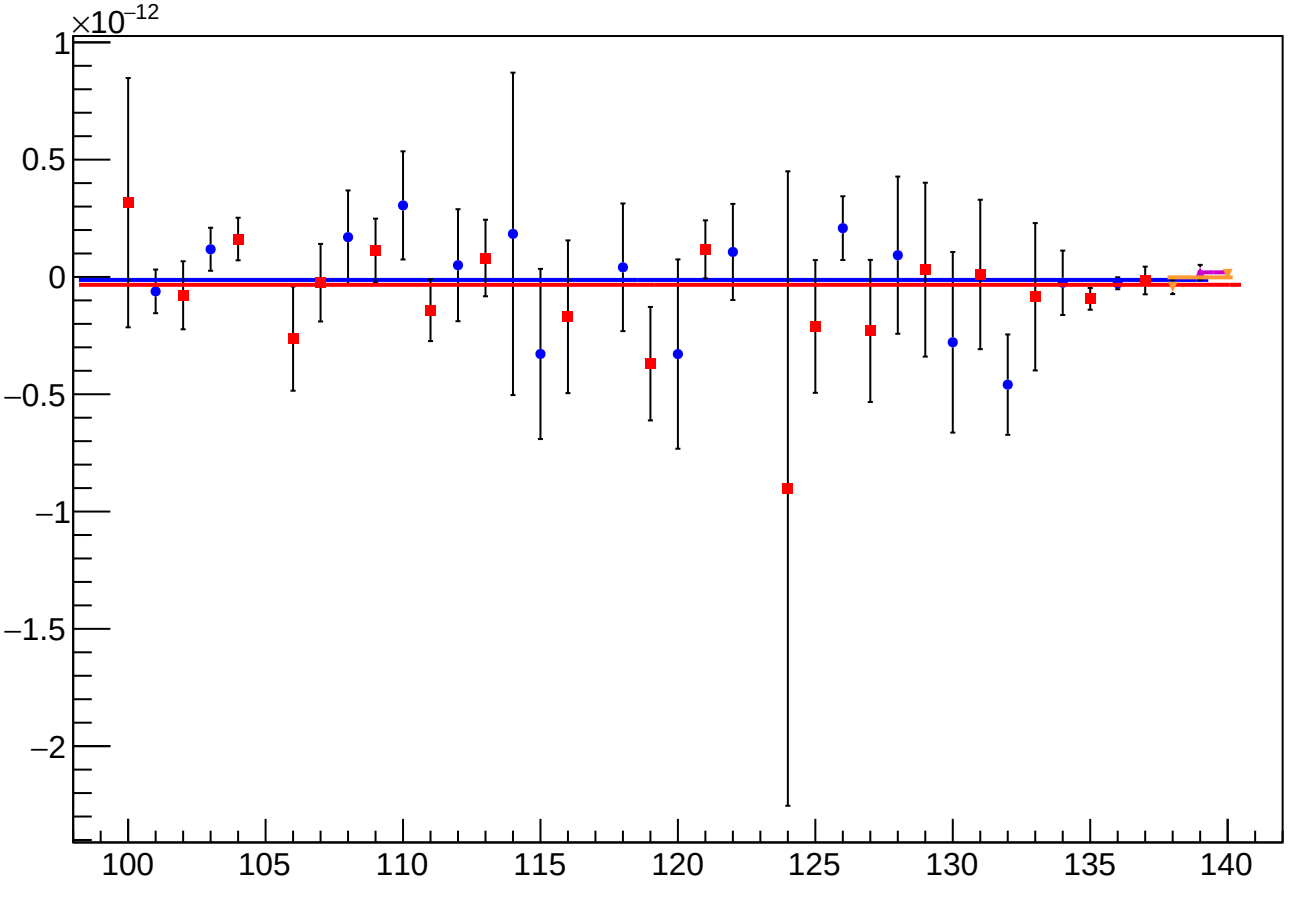
Left: 2058.068+/-0.926 χ^2/NDF: 503.4/2

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2352.150+/-0.597 χ^2/NDF:541704.7/16

Out: 2267.094+/-0.551 χ^2/NDF:730701.5/20

All: 2306.225+/-0.405 χ^2/NDF: 1283376.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

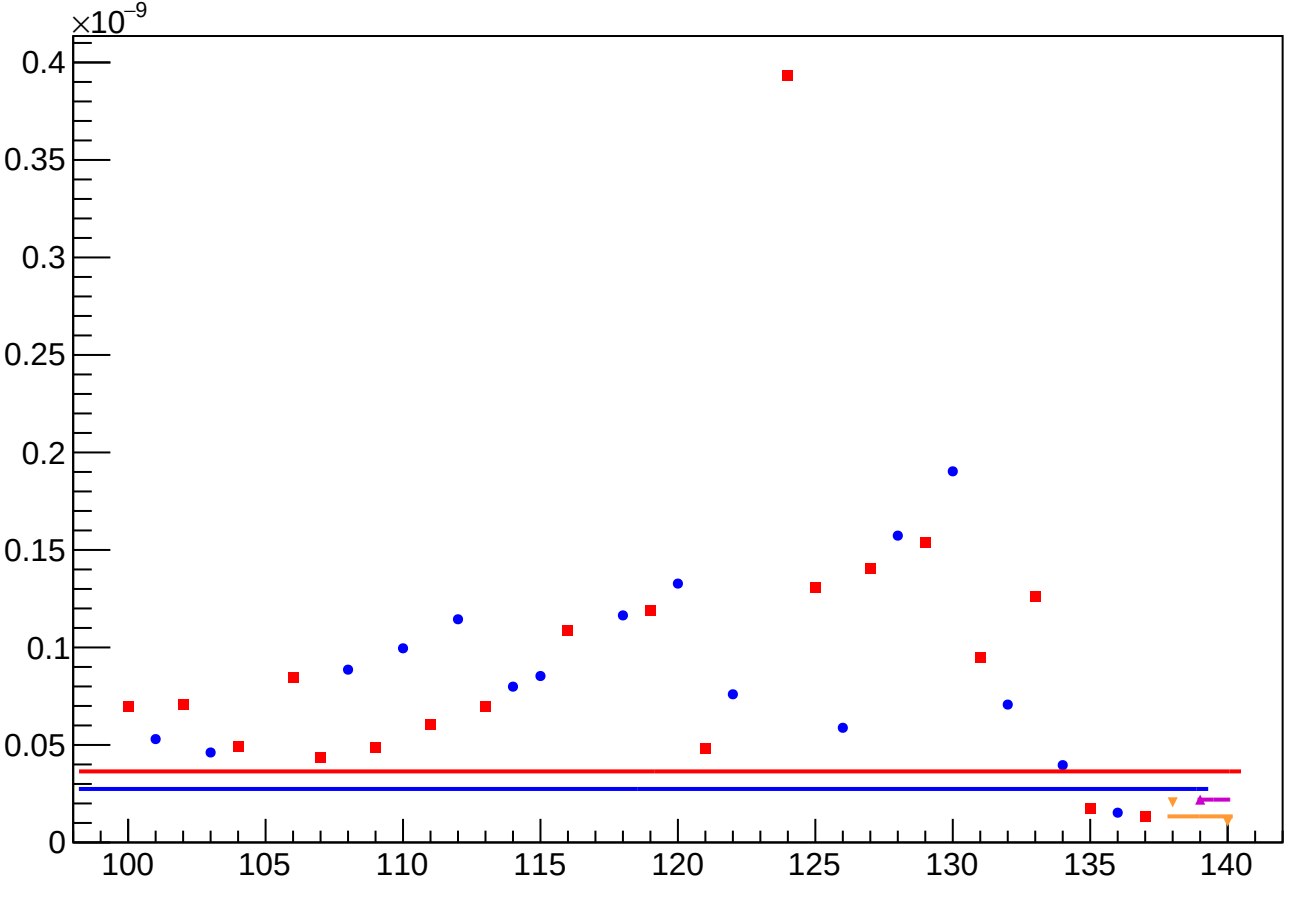
Left: 0.000+/-0.000 χ^2/NDF: 2.7/2

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:15.5/16

Out: -0.000+/-0.000 χ^2/NDF:18.5/20

All: -0.000+/-0.000 χ^2/NDF: 34.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:146882.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

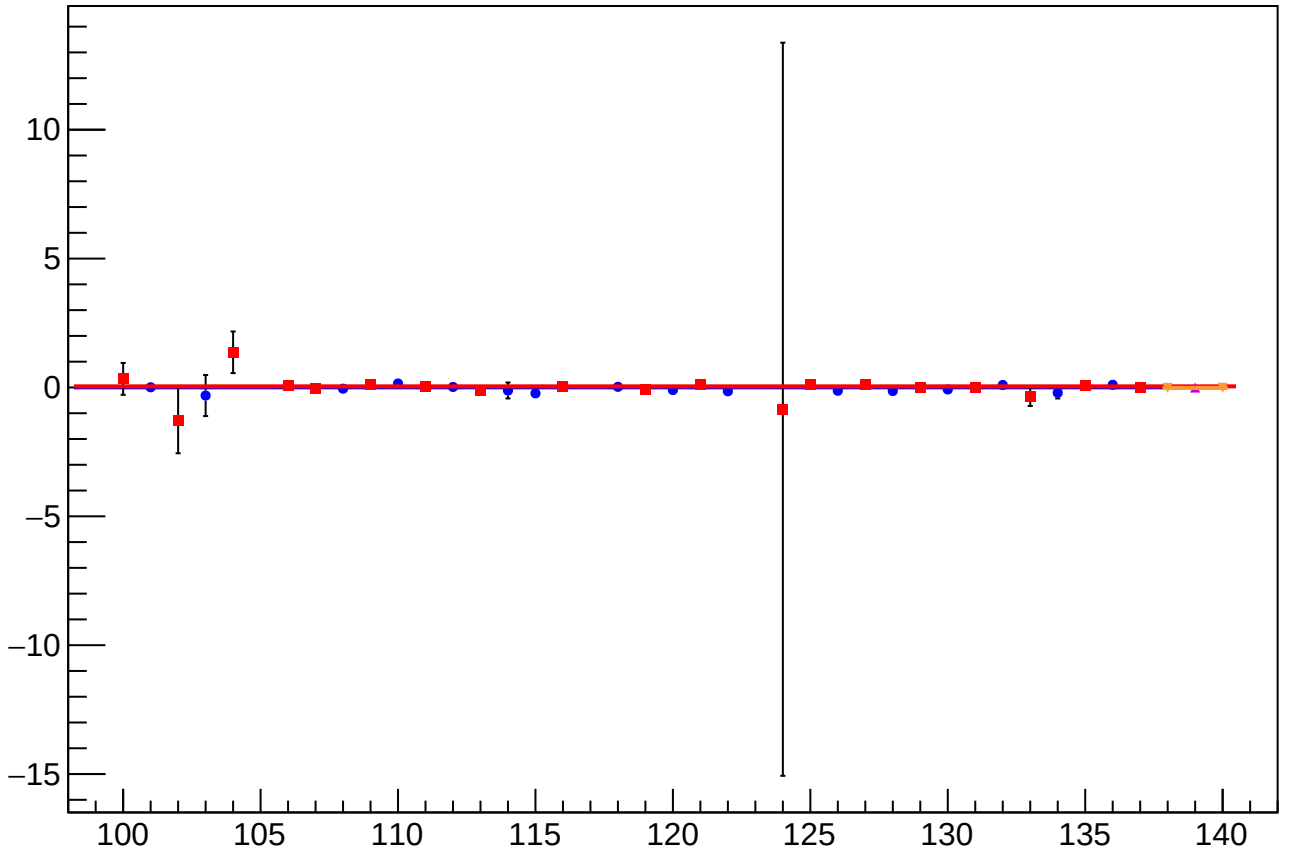
Left: 0.000+/-0.000 χ^2/NDF: 262960.2/2

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:2767652.5/16

Out: 0.000+/-0.000 χ^2/NDF:3609205.0/20

All: 0.000+/-0.000 χ^2/NDF: 6538591.3/37



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.017+/-0.040 χ^2/NDF:0.0/1

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.002+/-0.049 χ^2/NDF:0.0/0

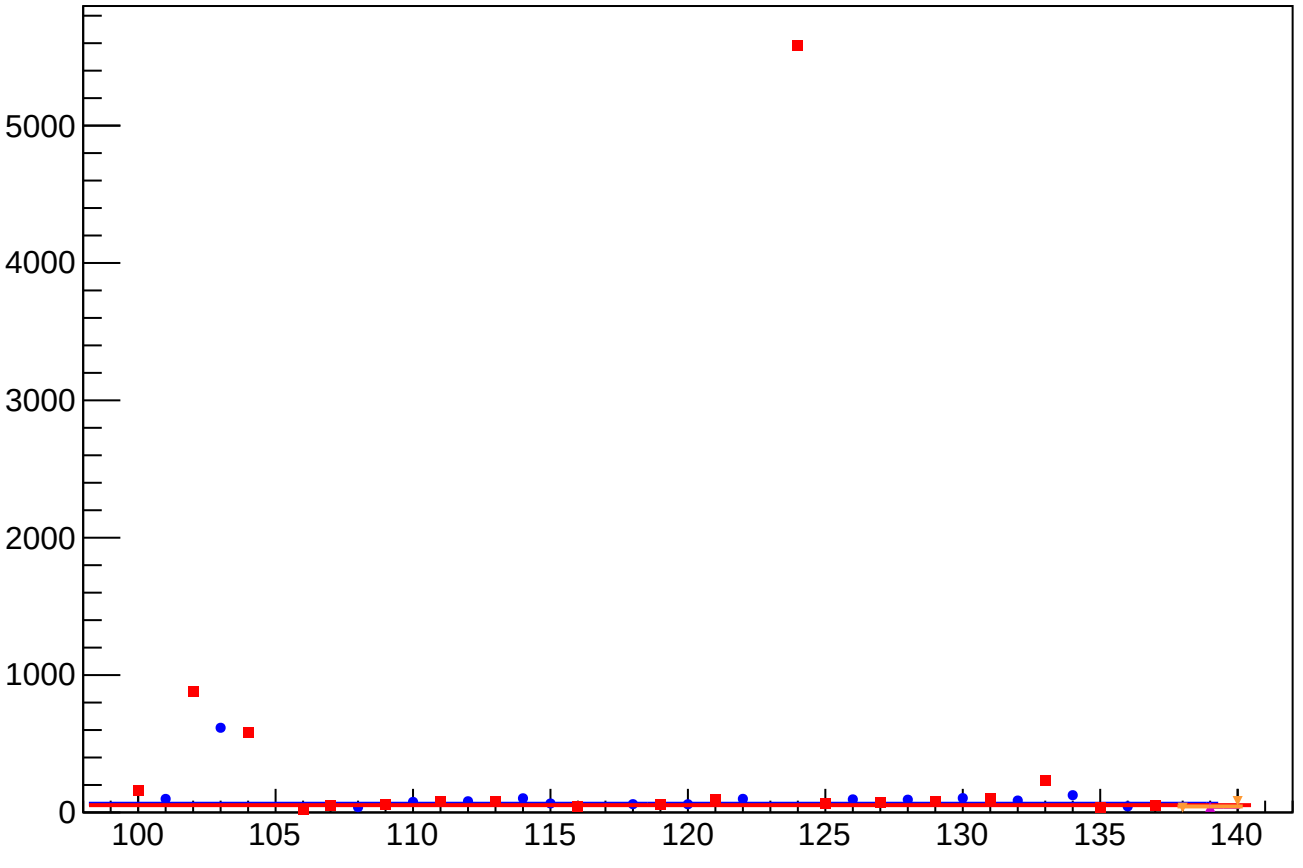
Left: -0.011+/-0.031 χ^2/NDF: 0.1/2

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.002+/-0.024 χ^2/NDF:13.3/16

Out: 0.027+/-0.021 χ^2/NDF:14.3/20

All: 0.016+/-0.016 χ^2/NDF: 28.2/37



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 43.724+/-0.028 χ^2/NDF:432172.9/1

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 40.730+/-0.035 χ^2/NDF:0.0/0

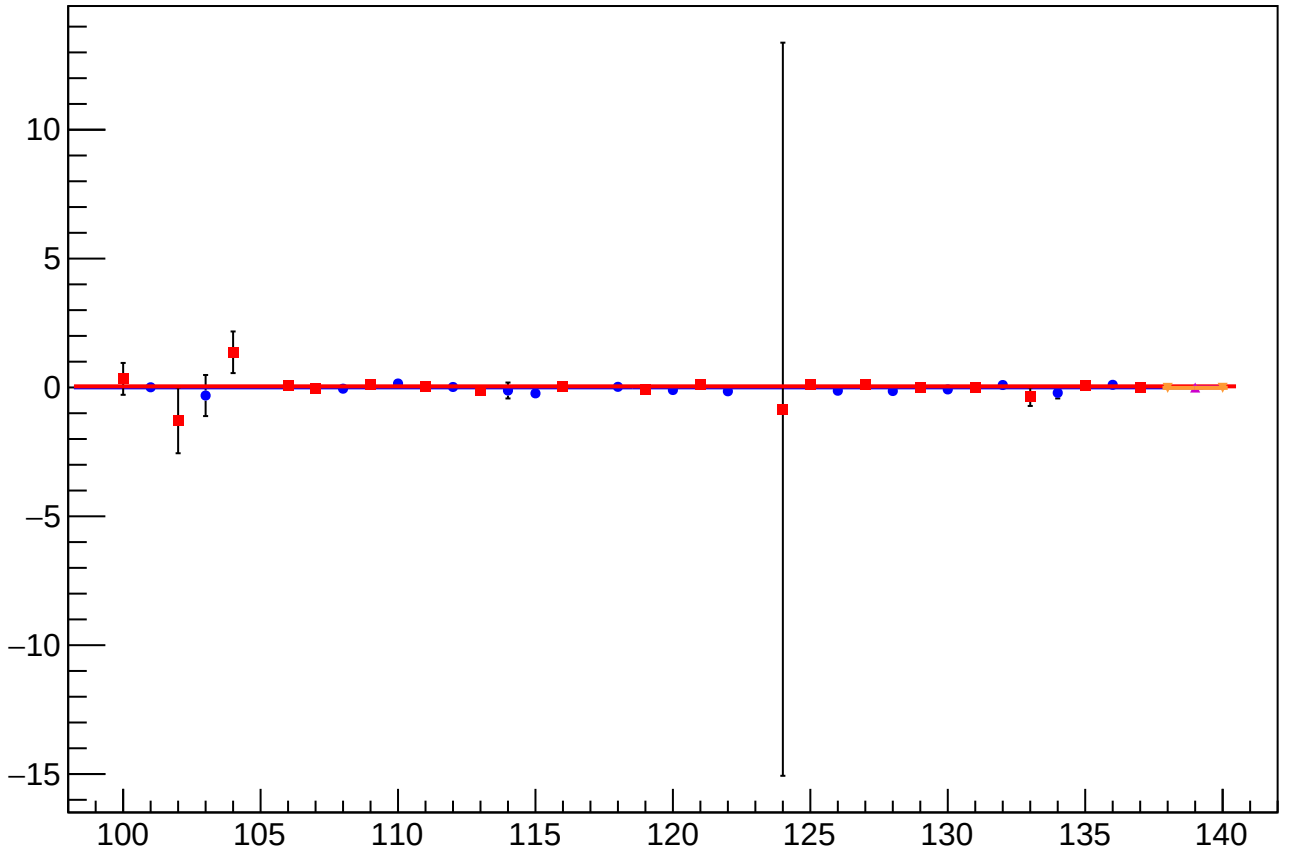
Left: 42.543+/-0.022 χ^2/NDF: 436637.7/2

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.150+/-0.017 χ^2/NDF:2770790.4/16

Out: 50.549+/-0.015 χ^2/NDF:4459660.1/20

All: 53.885+/-0.011 χ^2/NDF: 7344659.4/37



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.017+/-0.040 χ^2/NDF:0.0/1

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.002+/-0.049 χ^2/NDF:0.0/0

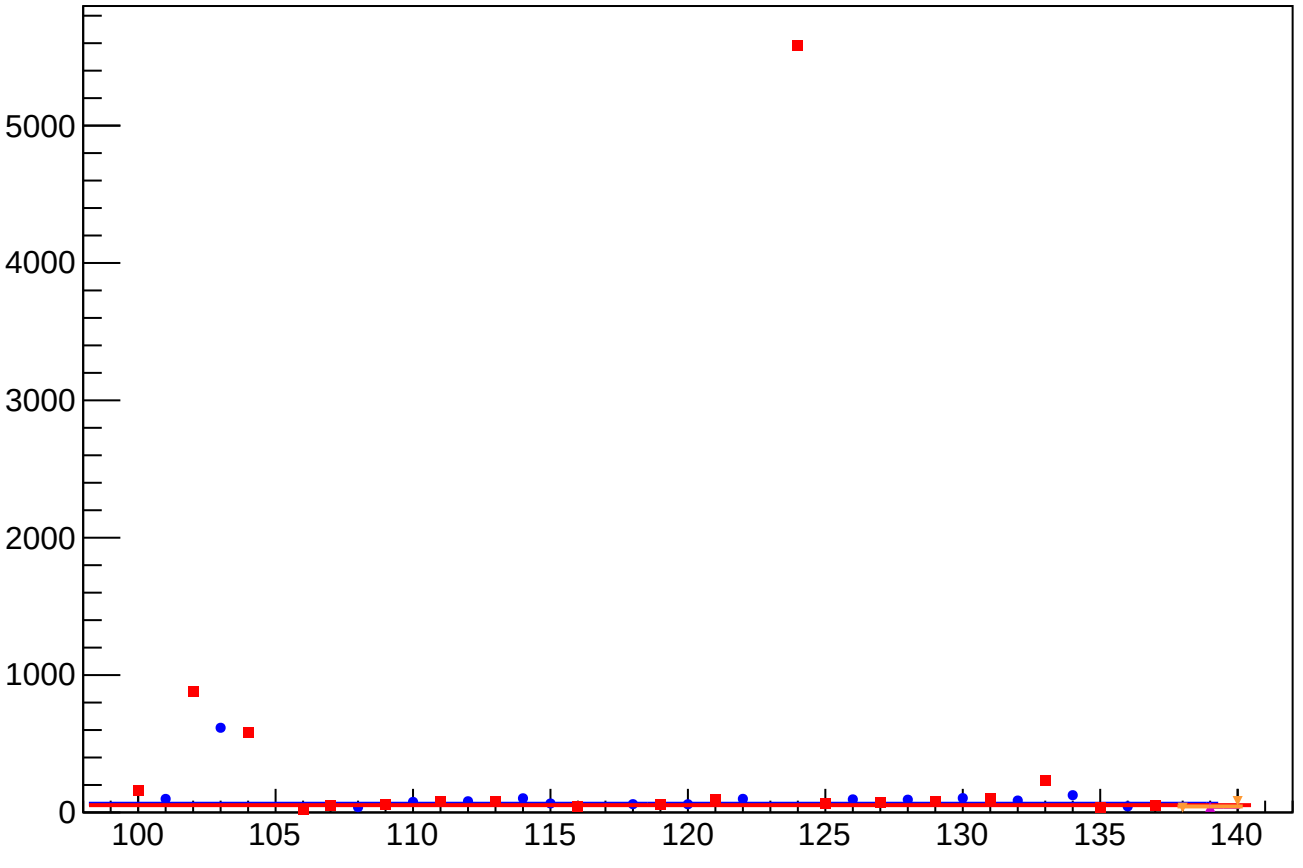
Left: -0.011+/-0.031 χ^2/NDF: 0.1/2

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.002+/-0.024 χ^2/NDF:13.3/16

Out: 0.027+/-0.021 χ^2/NDF:14.3/20

All: 0.016+/-0.016 χ^2/NDF: 28.2/37



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 43.724+/-0.028 χ^2/NDF:432172.9/1

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 40.730+/-0.035 χ^2/NDF:0.0/0

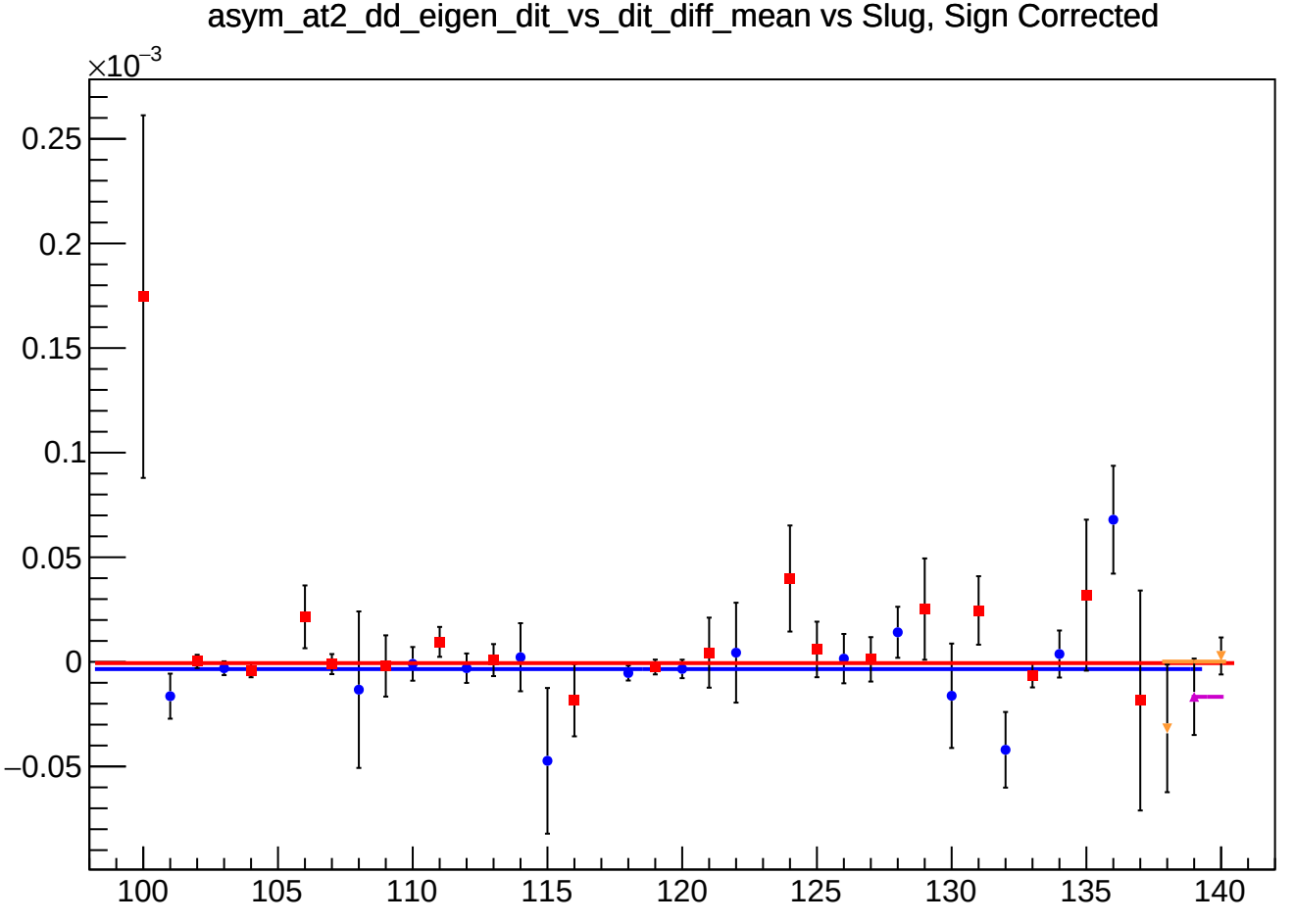
Left: 42.543+/-0.022 χ^2/NDF: 436637.7/2

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.150+/-0.017 χ^2/NDF:2770790.4/16

Out: 50.549+/-0.015 χ^2/NDF:4459660.1/20

All: 53.885+/-0.011 χ^2/NDF: 7344659.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

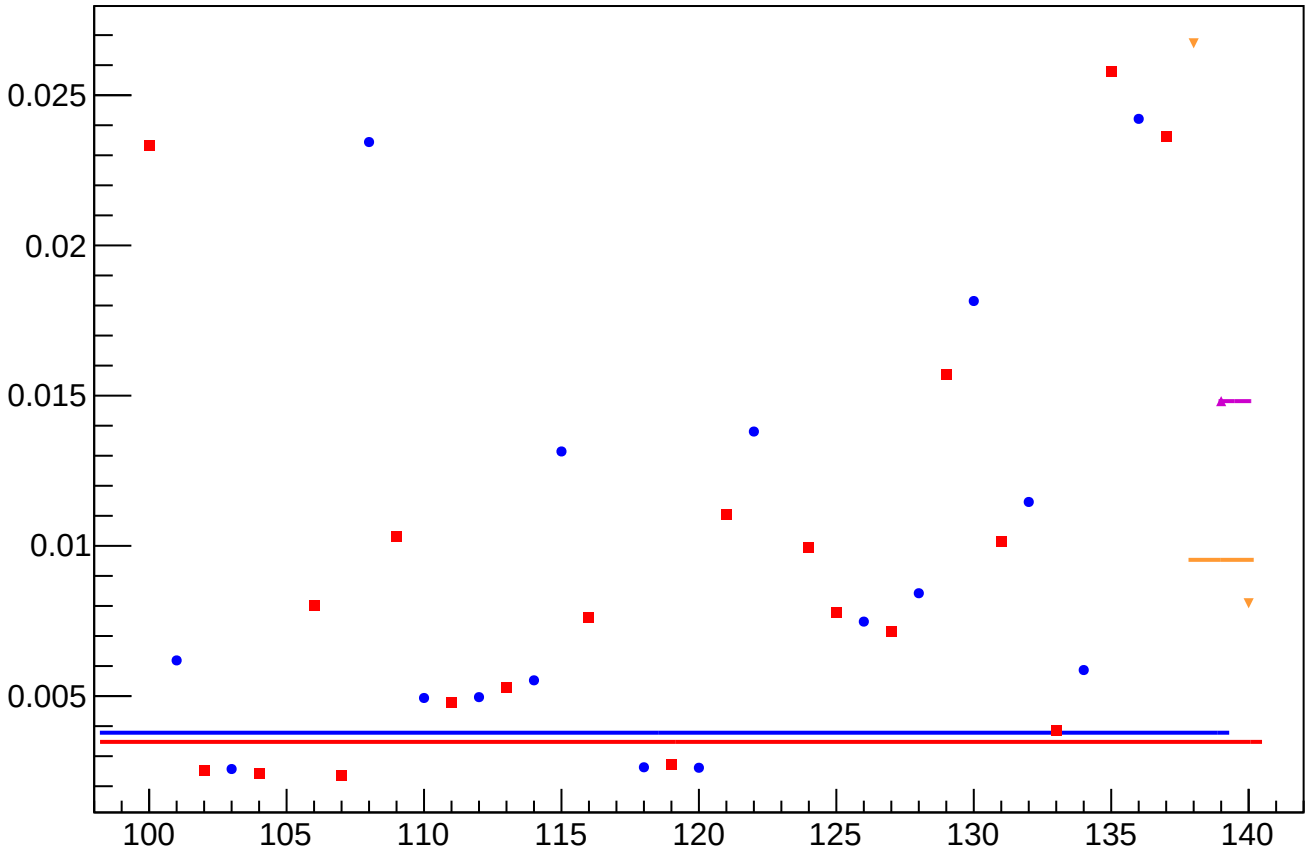
Left: -0.000+/-0.000 χ^2/NDF: 1.9/2

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:19.4/16

Out: -0.000+/-0.000 χ^2/NDF:20.3/20

All: -0.000+/-0.000 χ^2/NDF: 41.4/37



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.010+/-0.000 χ^2/NDF:688241.0/1

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.015+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.000 χ^2/NDF: 825815.9/2

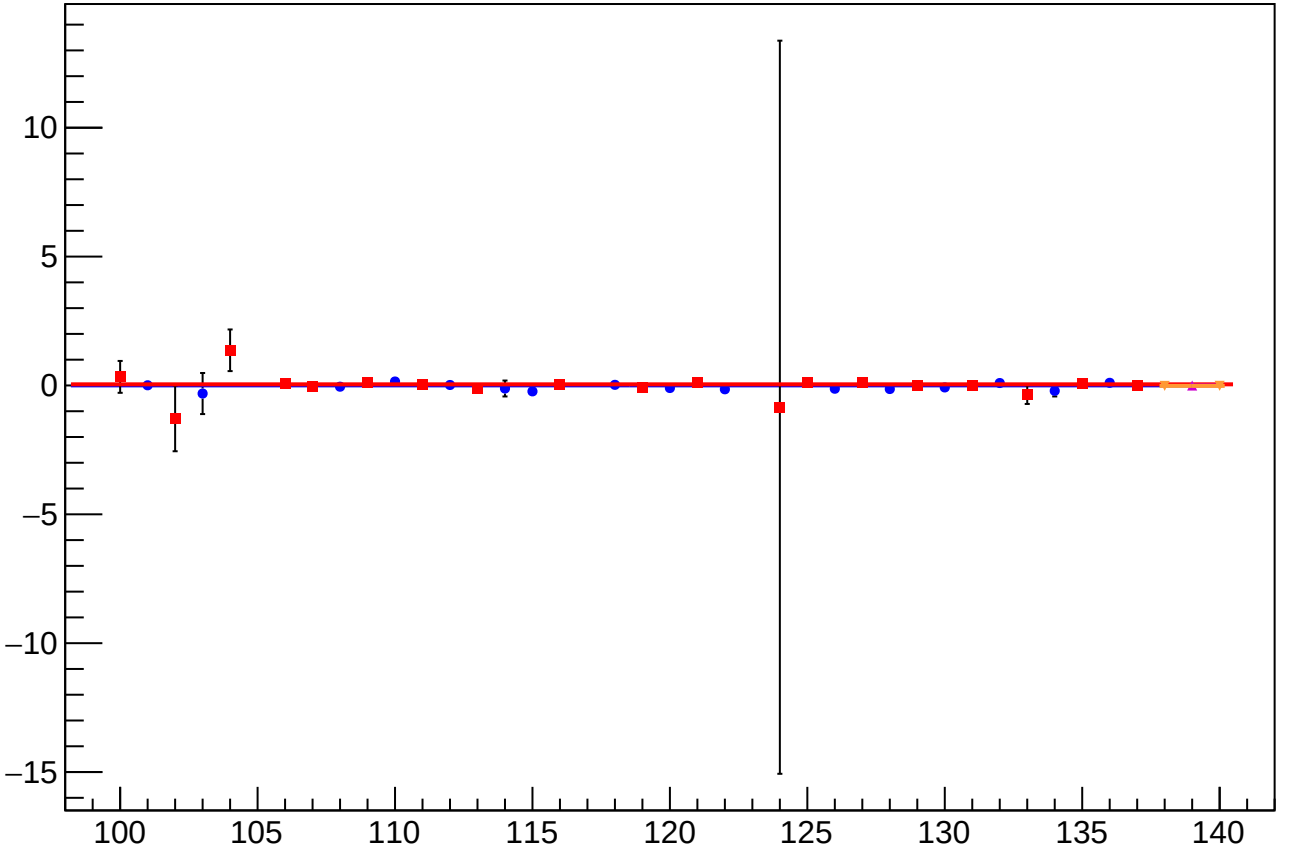
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:5442755.7/16

Out: 0.004+/-0.000 χ^2/NDF:6168042.0/20

All: 0.004+/-0.000 χ^2/NDF: 11628147.6/37

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.017+/-0.040 χ^2/NDF:0.0/1

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.002+/-0.049 χ^2/NDF:0.0/0

Left: -0.011+/-0.031 χ^2/NDF: 0.1/2

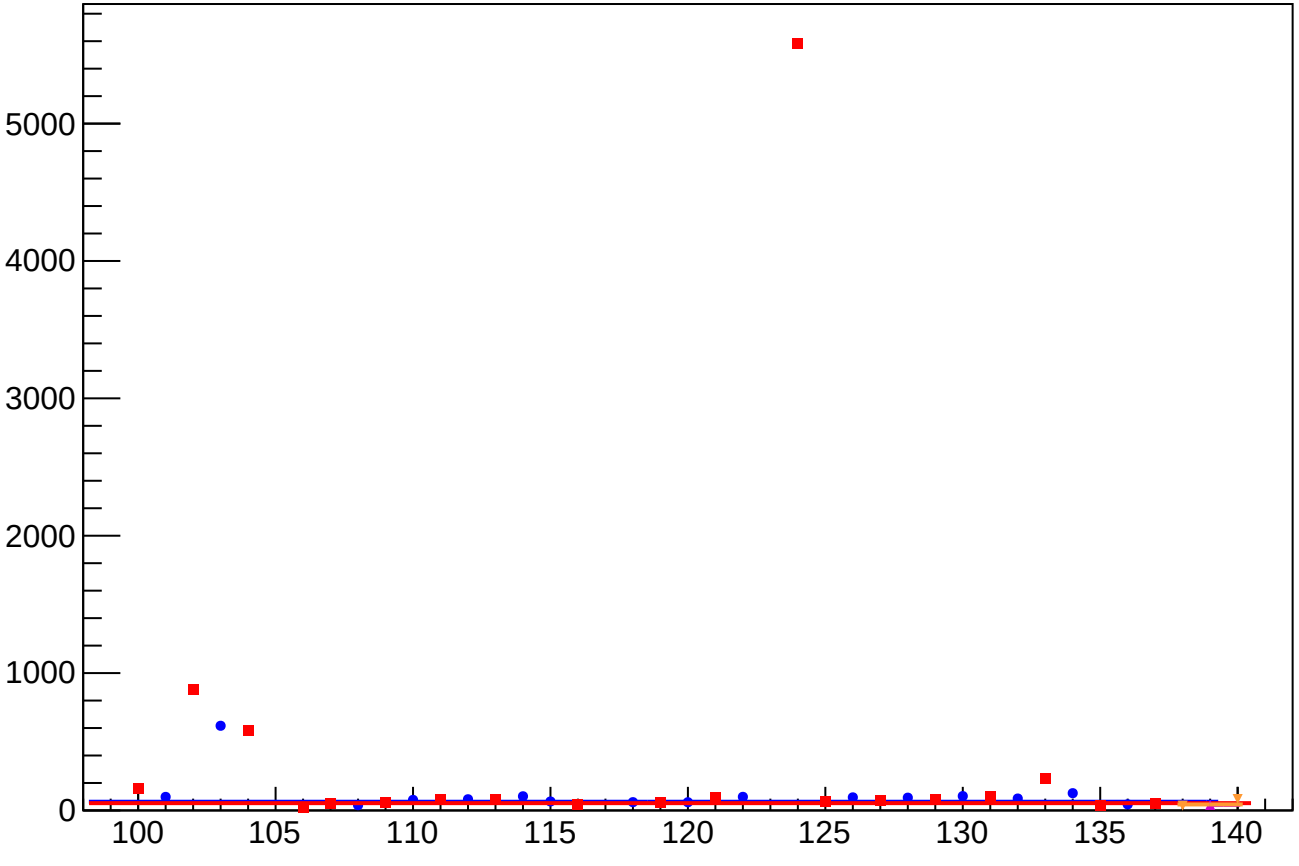
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.002+/-0.024 χ^2/NDF:13.3/16

Out: 0.027+/-0.021 χ^2/NDF:14.3/20

All: 0.016+/-0.016 χ^2/NDF: 28.2/37

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 43.725+/-0.028 χ^2/NDF:432226.4/1

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 40.740+/-0.035 χ^2/NDF:0.0/0

Left: 42.548+/-0.022 χ^2/NDF: 436659.5/2

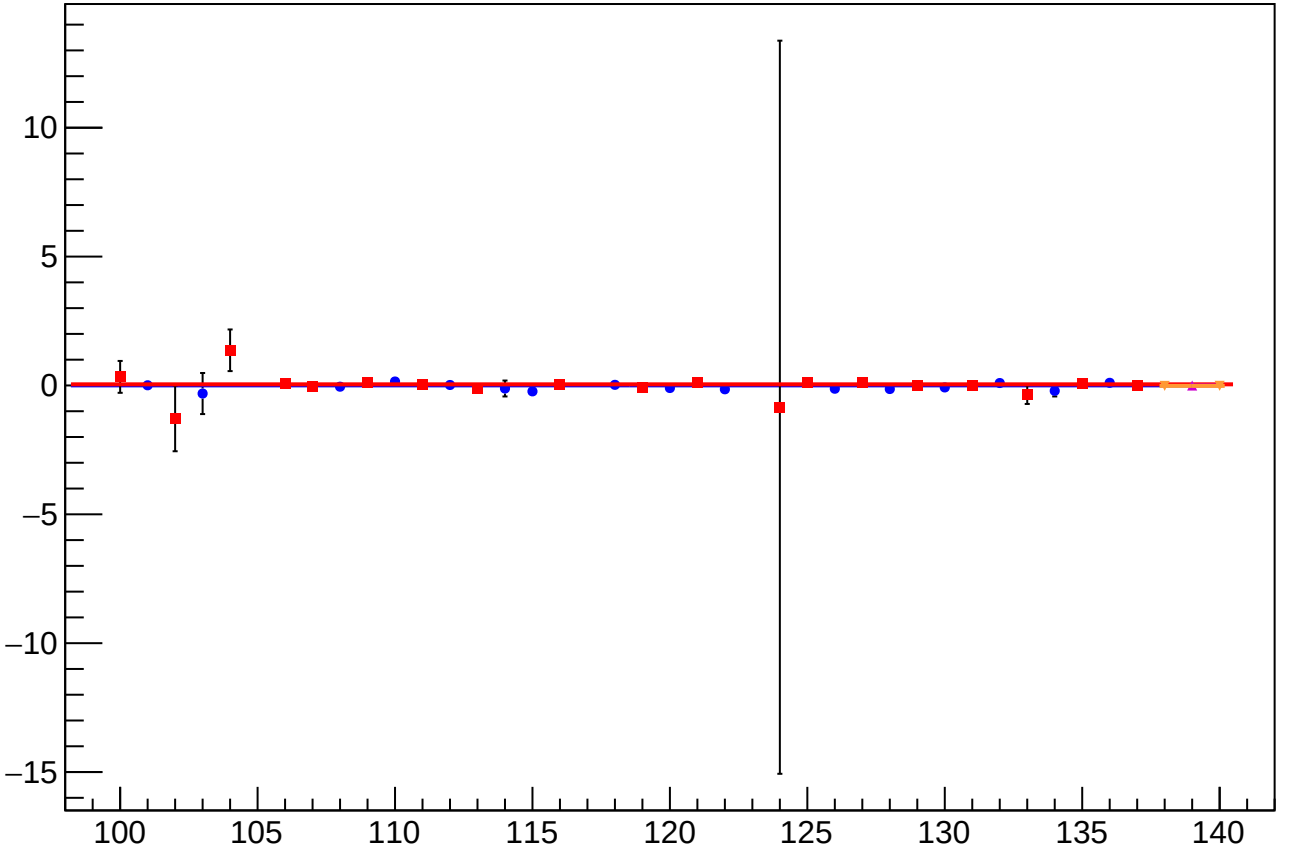
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.160+/-0.017 χ^2/NDF:2769716.8/16

Out: 50.546+/-0.015 χ^2/NDF:4460160.9/20

All: 53.887+/-0.011 χ^2/NDF: 7344477.8/37

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.017+/-0.040 χ^2/NDF:0.0/1

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.002+/-0.049 χ^2/NDF:0.0/0

Left: -0.011+/-0.031 χ^2/NDF: 0.1/2

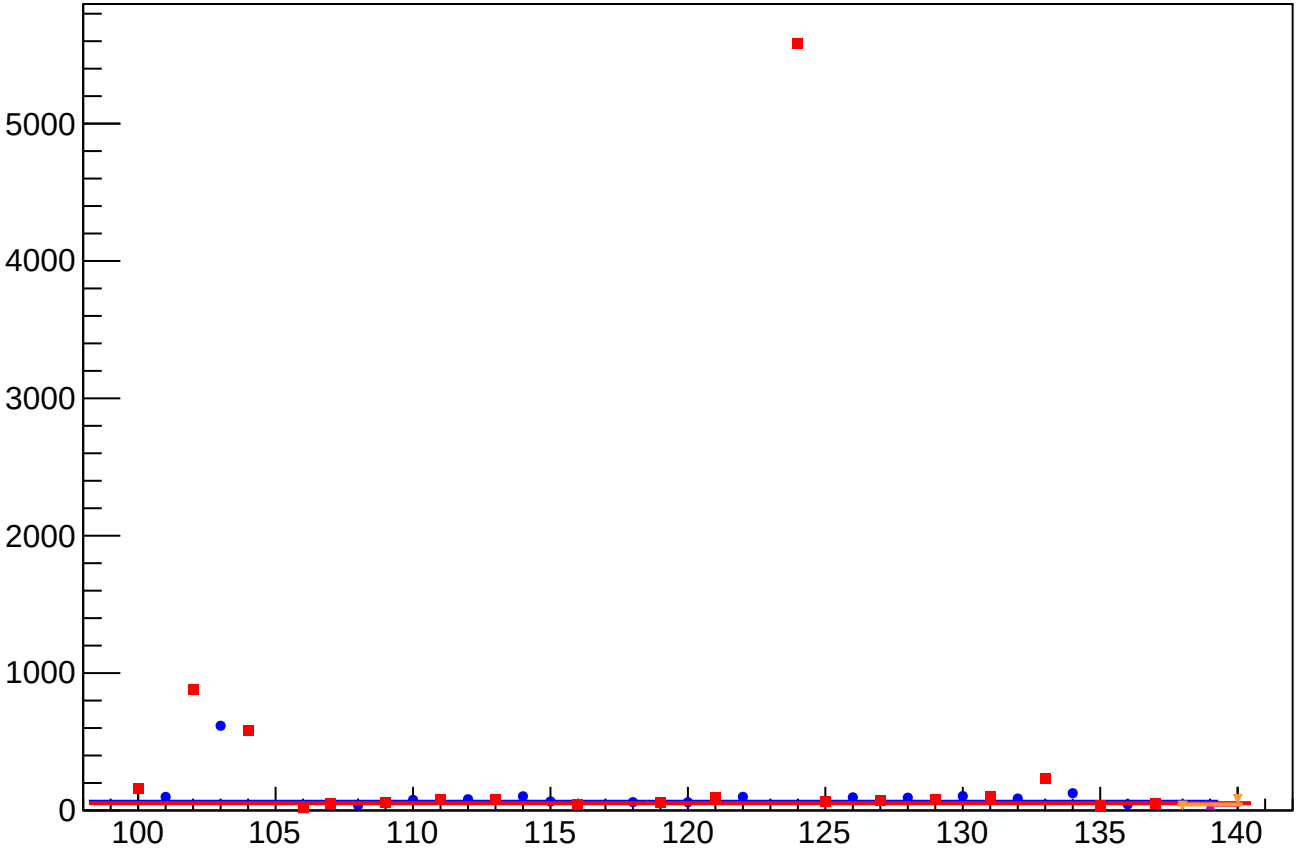
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.002+/-0.024 χ^2/NDF:13.3/16

Out: 0.027+/-0.021 χ^2/NDF:14.3/20

All: 0.016+/-0.016 χ^2/NDF: 28.2/37

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 43.725+/-0.028 χ^2/NDF:432226.4/1

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 40.740+/-0.035 χ^2/NDF:0.0/0

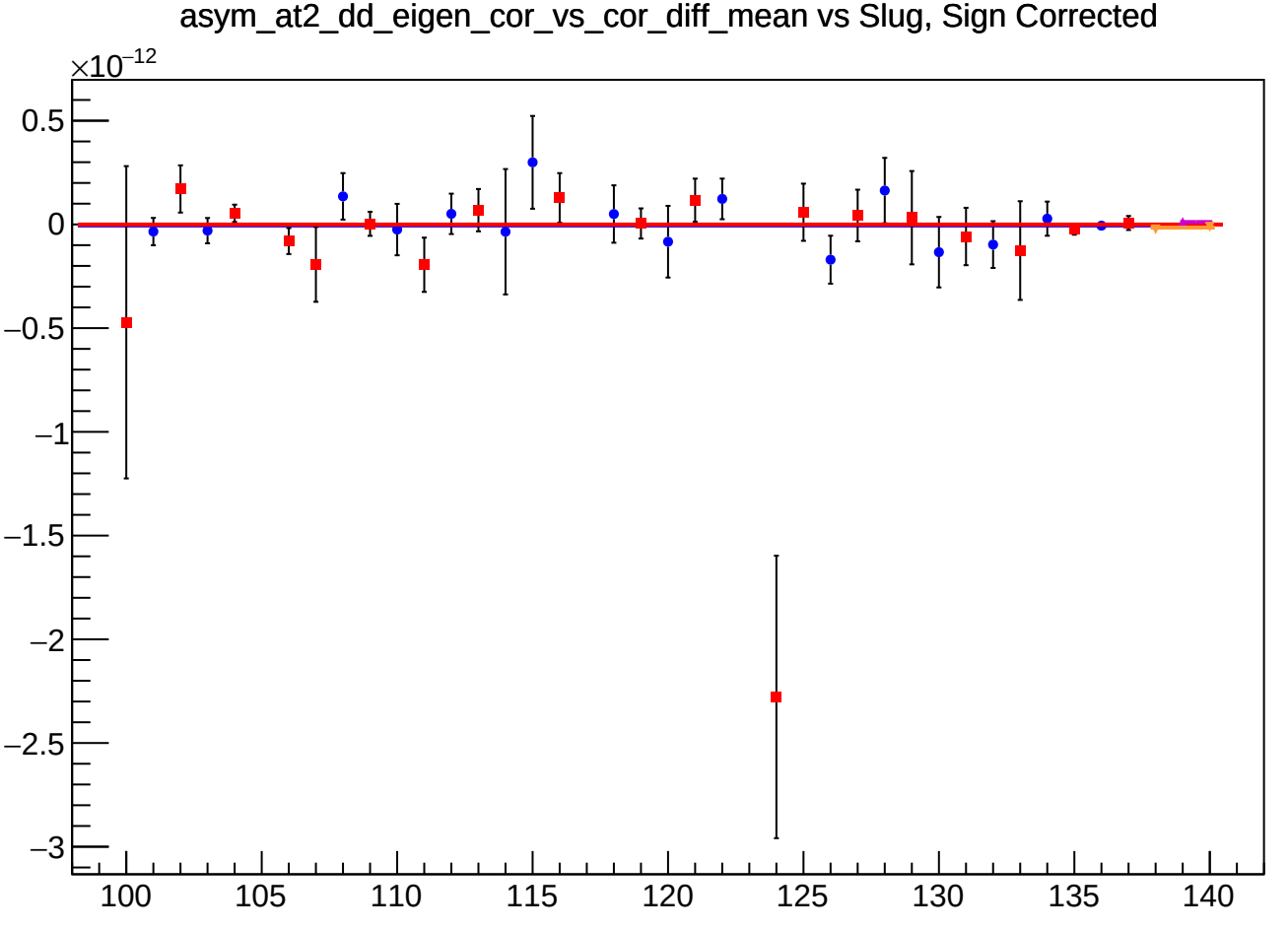
Left: 42.548+/-0.022 χ^2/NDF: 436659.5/2

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.160+/-0.017 χ^2/NDF:2769716.8/16

Out: 50.546+/-0.015 χ^2/NDF:4460160.9/20

All: 53.887+/-0.011 χ^2/NDF: 7344477.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

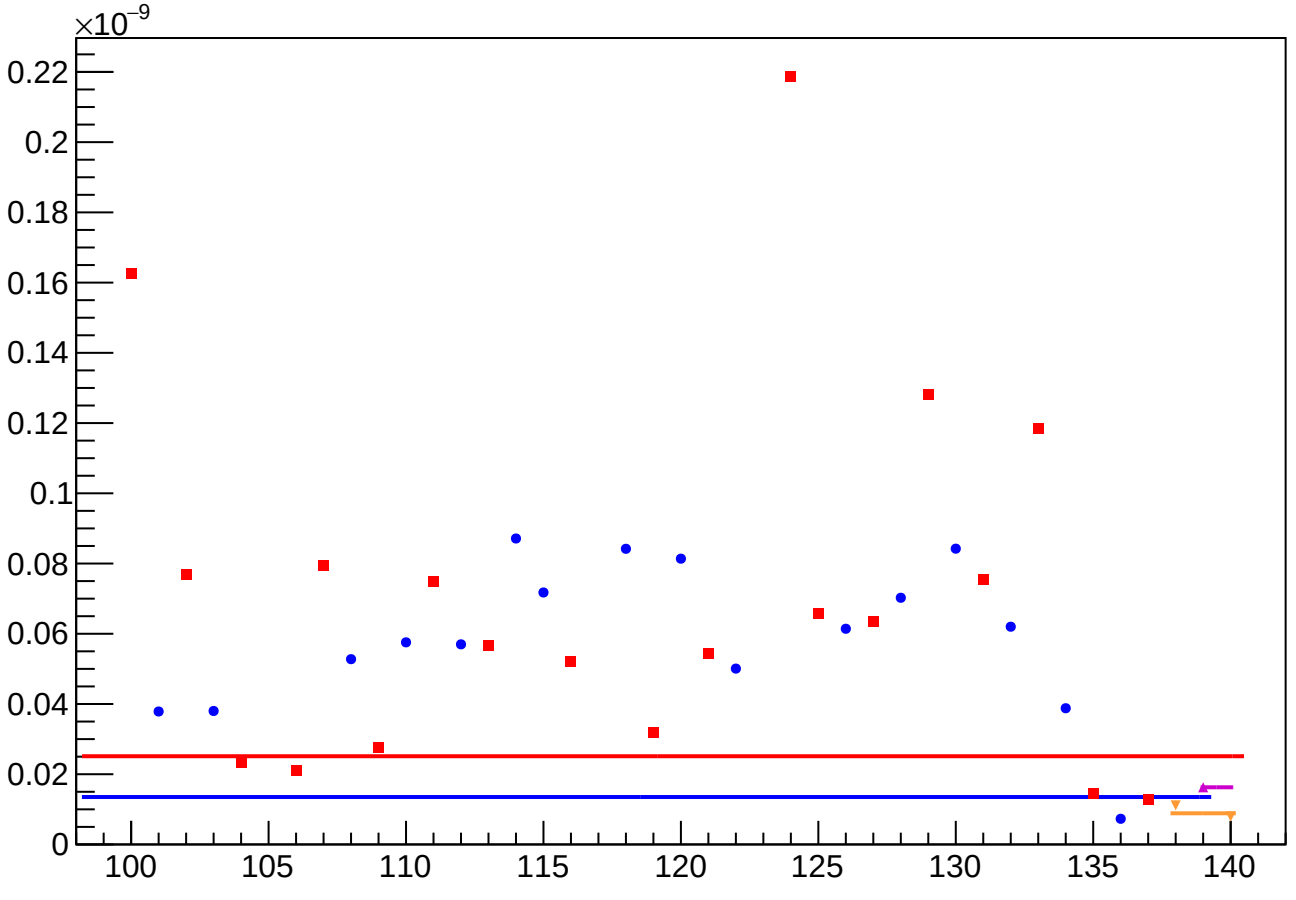
Left: -0.000+/-0.000 χ^2/NDF: 1.7/2

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:11.3/16

Out: -0.000+/-0.000 χ^2/NDF:26.2/20

All: -0.000+/-0.000 χ^2/NDF: 38.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:56790.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

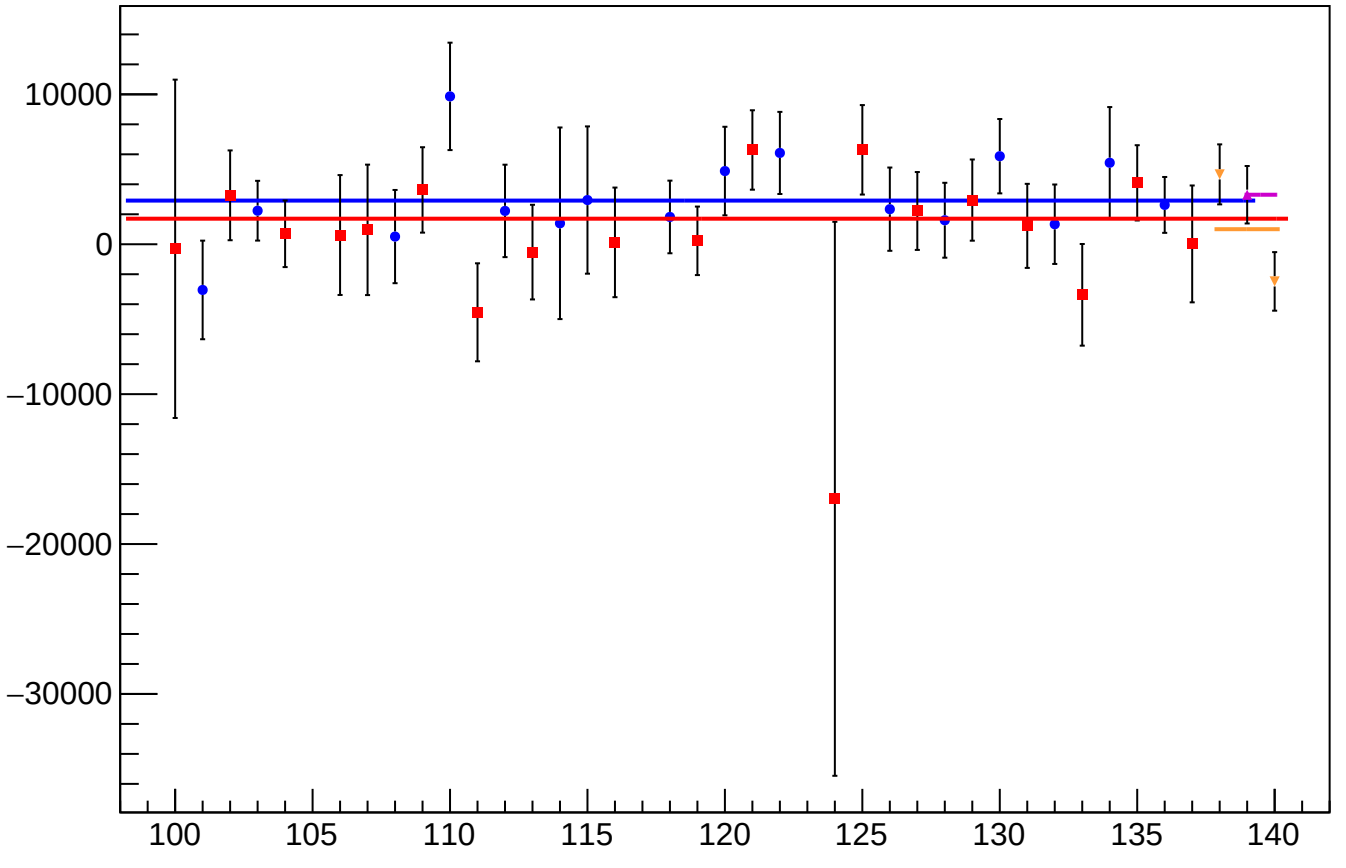
Left: 0.000+/-0.000 χ^2/NDF: 252689.1/2

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5019379.4/16

Out: 0.000+/-0.000 χ^2/NDF:5389159.1/20

All: 0.000+/-0.000 χ^2/NDF: 10425391.4/37



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1004.733+/-1397.981 χ^2/NDF:6.5/1

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 3303.445+/-1916.723 χ^2/NDF:0.0/0

Left: 1802.947+/-1129.475 χ^2/NDF: 7.5/2

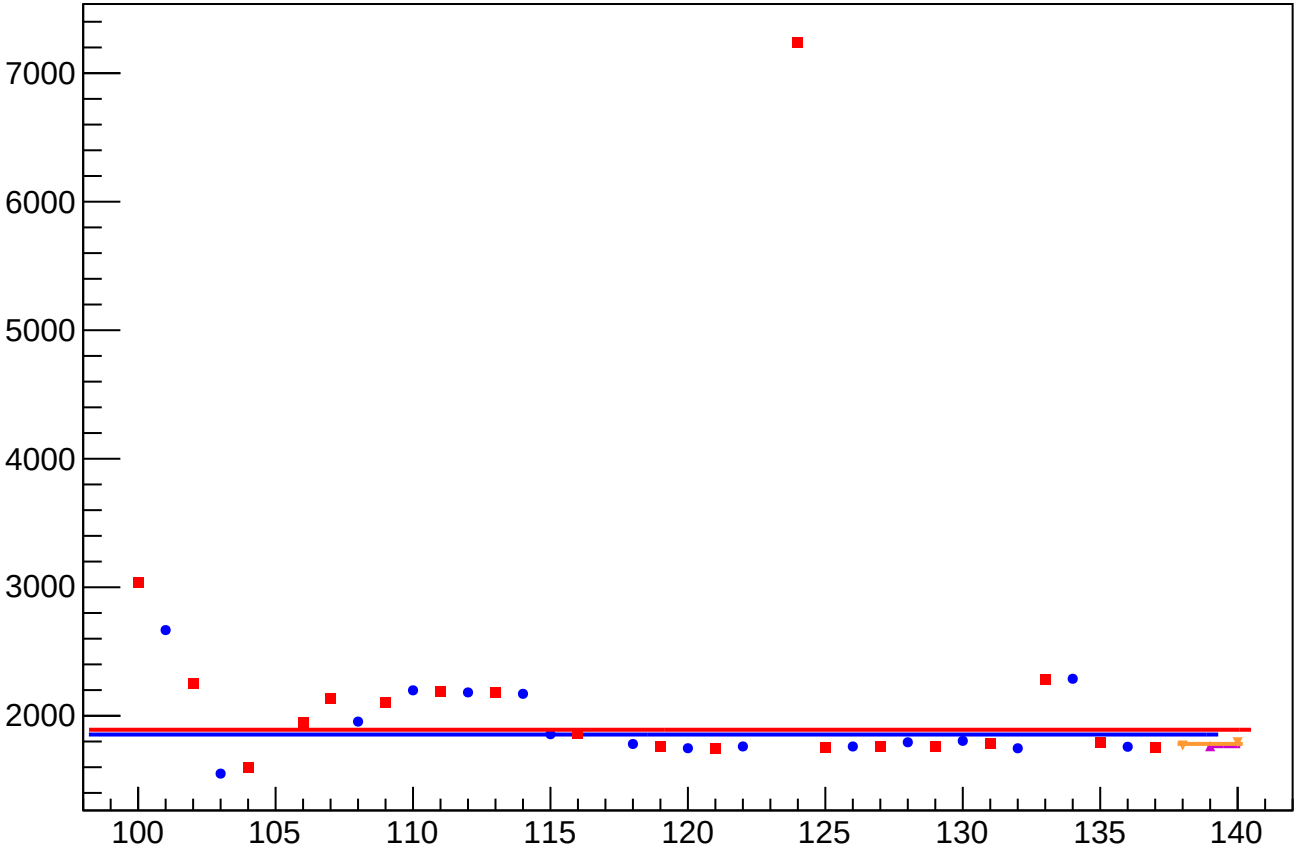
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2958.368+/-653.425 χ^2/NDF:12.5/16

Out: 1562.349+/-630.798 χ^2/NDF:22.5/20

All: 2235.769+/-453.830 χ^2/NDF: 37.4/37

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1781.328+/-0.989 χ^2/NDF:168.0/1

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1763.387+/-1.355 χ^2/NDF:0.0/0

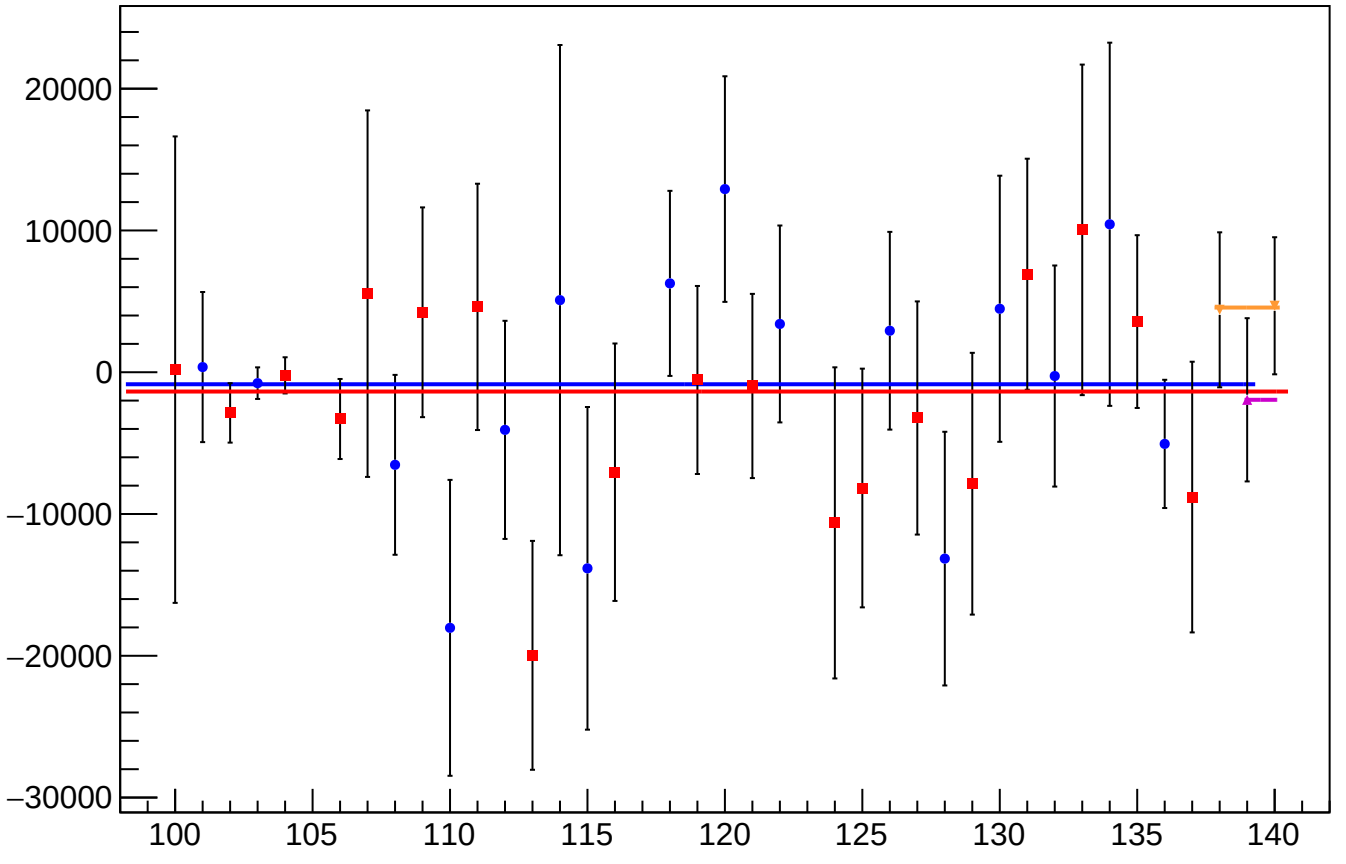
Left: 1775.098+/-0.799 χ^2/NDF: 282.4/2

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1843.746+/-0.462 χ^2/NDF:267300.4/16

Out: 1869.127+/-0.445 χ^2/NDF:374114.7/20

All: 1856.907+/-0.321 χ^2/NDF: 642979.8/37



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 4562.432+/-3621.161 χ^2/NDF:0.0/1

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: -1945.049+/-5757.140 χ^2/NDF:0.0/0

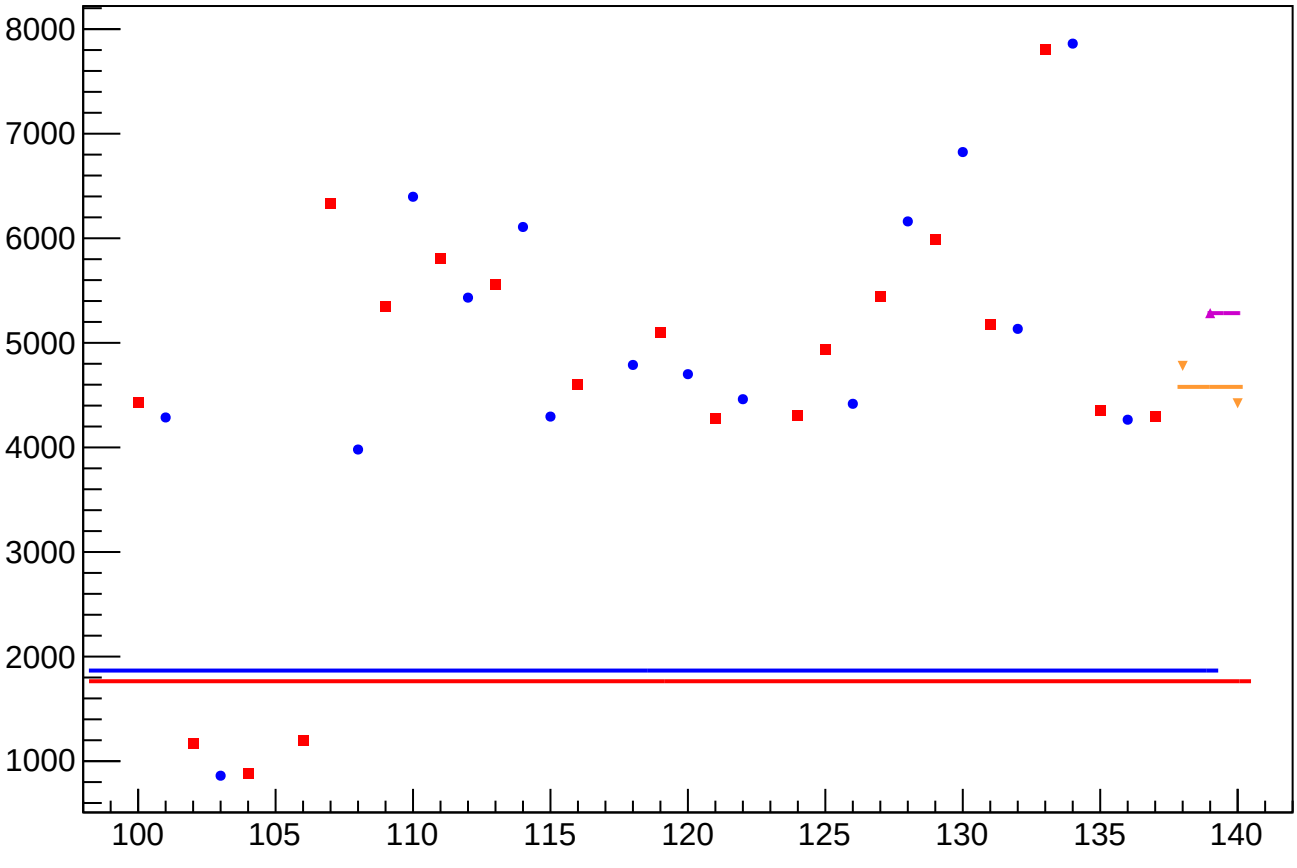
Left: 2717.727+/-3065.235 χ^2/NDF: 0.9/2

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -877.832+/-949.727 χ^2/NDF:13.9/16

Out: -1005.315+/-887.961 χ^2/NDF:16.5/20

All: -945.854+/-648.620 χ^2/NDF: 30.4/37



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4578.989+/-2.561 χ^2/NDF:4808.3/1

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 5284.220+/-4.071 χ^2/NDF:0.0/0

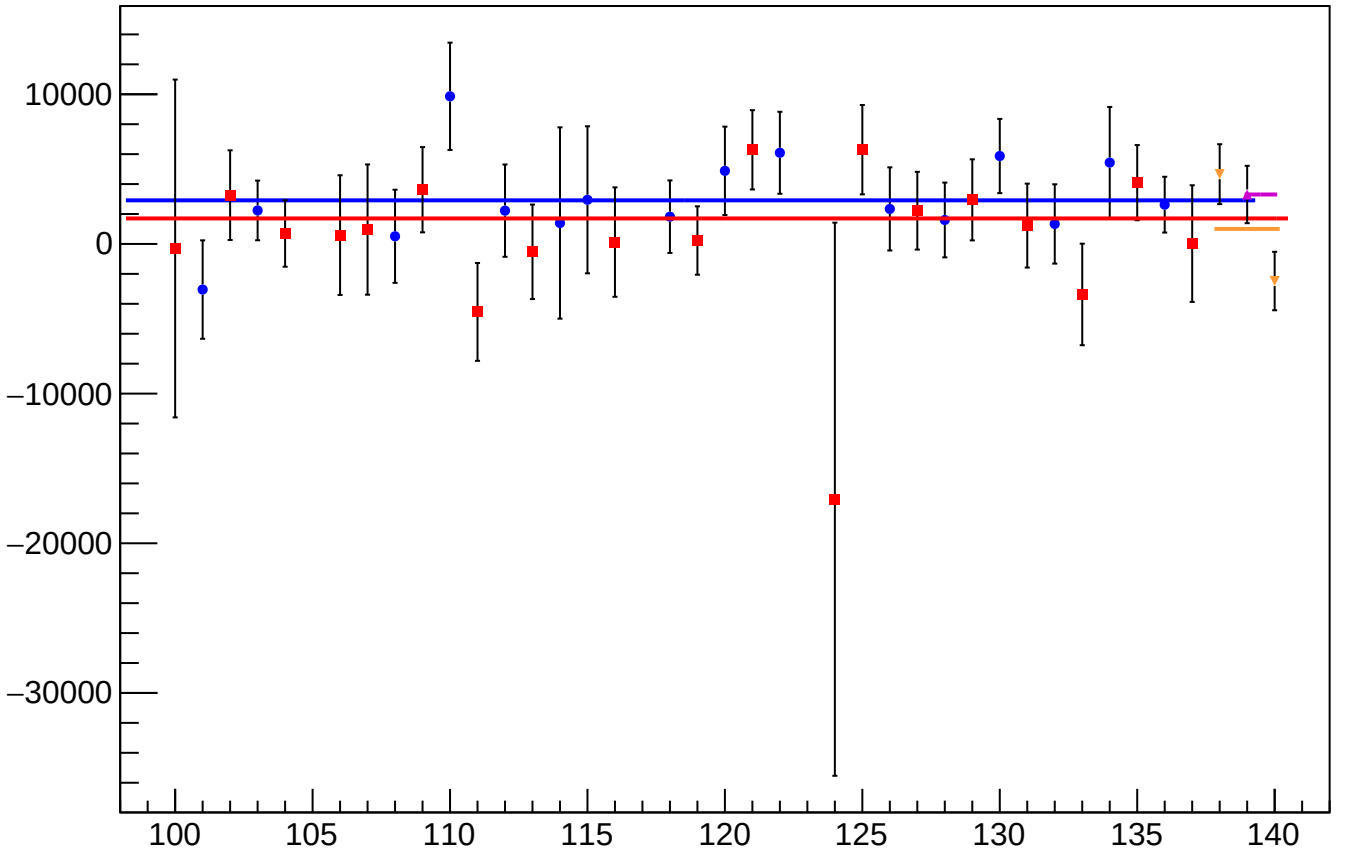
Left: 4778.904+/-2.167 χ^2/NDF: 26311.9/2

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 1959.416+/-0.672 χ^2/NDF:7535333.7/16

Out: 1933.530+/-0.628 χ^2/NDF:7575328.9/20

All: 1945.604+/-0.459 χ^2/NDF: 15111455.4/3



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1004.783+/-1397.981 χ^2/NDF:6.5/1

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 3303.866+/-1916.723 χ^2/NDF:0.0/0

Left: 1803.125+/-1129.475 χ^2/NDF: 7.5/2

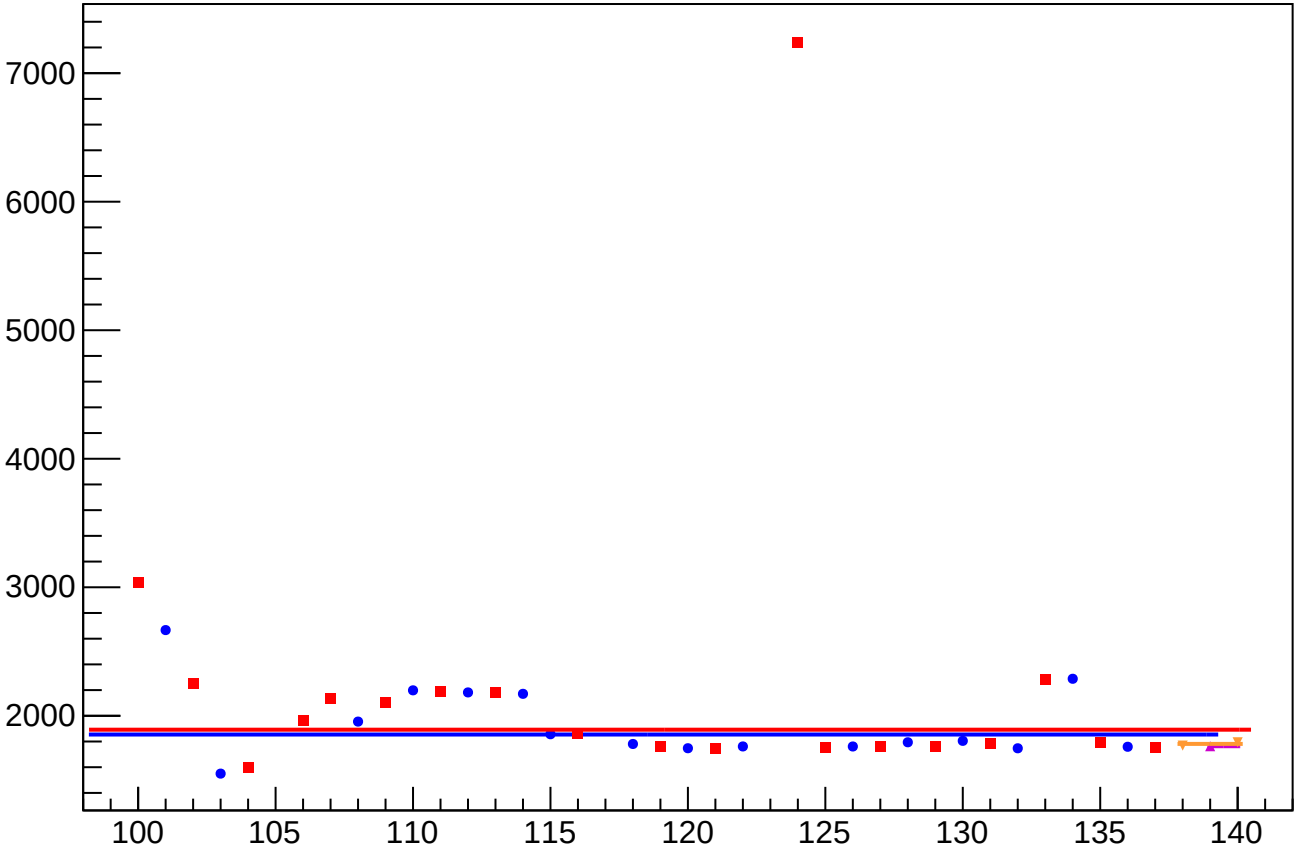
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2958.506+/-653.425 χ^2/NDF:12.5/16

Out: 1561.259+/-630.799 χ^2/NDF:22.5/20

All: 2235.272+/-453.830 χ^2/NDF: 37.4/37

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1781.328+/-0.989 χ^2/NDF:168.0/1

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1763.387+/-1.355 χ^2/NDF:0.0/0

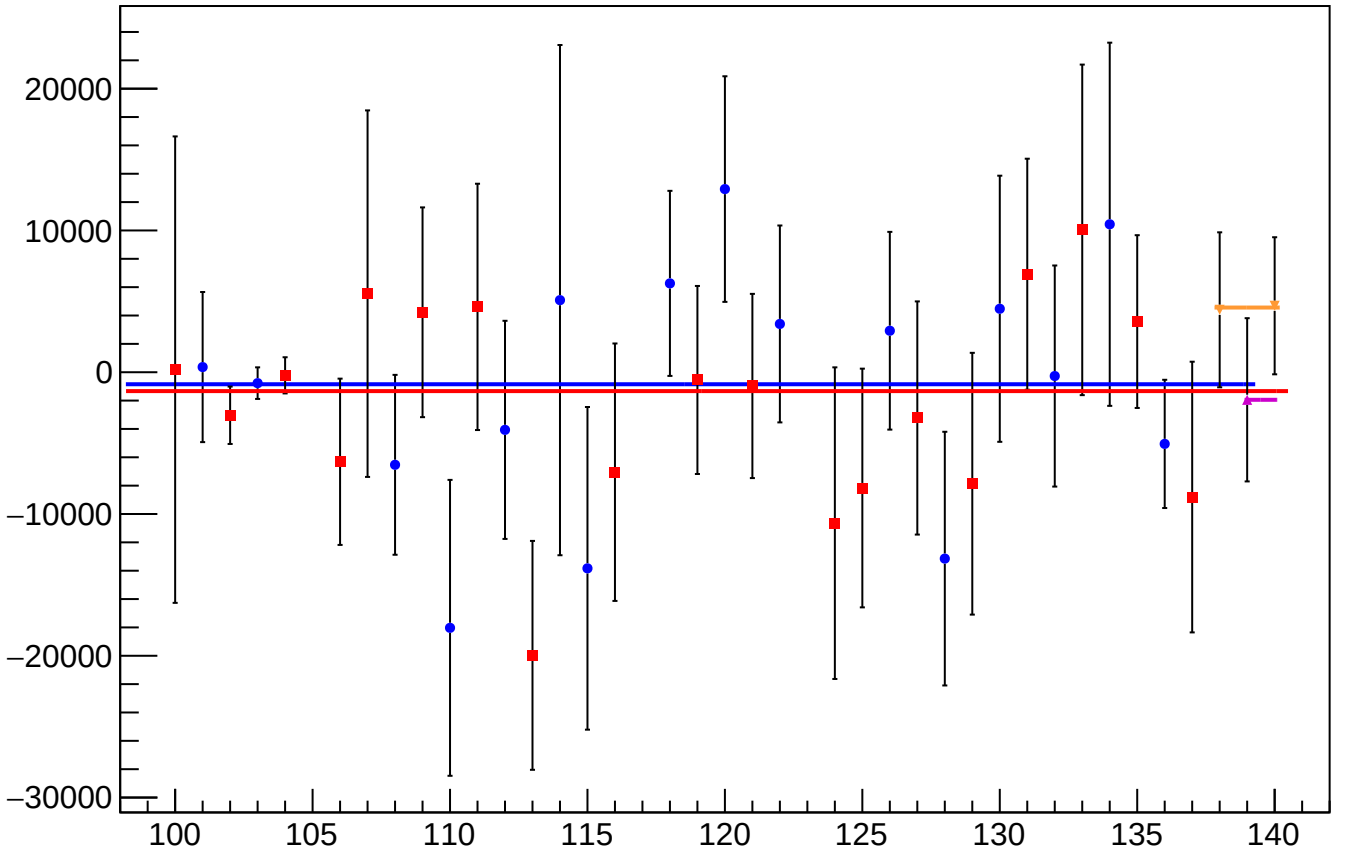
Left: 1775.098+/-0.799 χ^2/NDF: 282.4/2

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1843.746+/-0.462 χ^2/NDF:267300.3/16

Out: 1869.484+/-0.445 χ^2/NDF:374437.9/20

All: 1857.090+/-0.321 χ^2/NDF: 643347.0/37



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 4562.325+/-3621.155 χ^2/NDF:0.0/1

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -1945.014+/-5757.148 χ^2/NDF:0.0/0

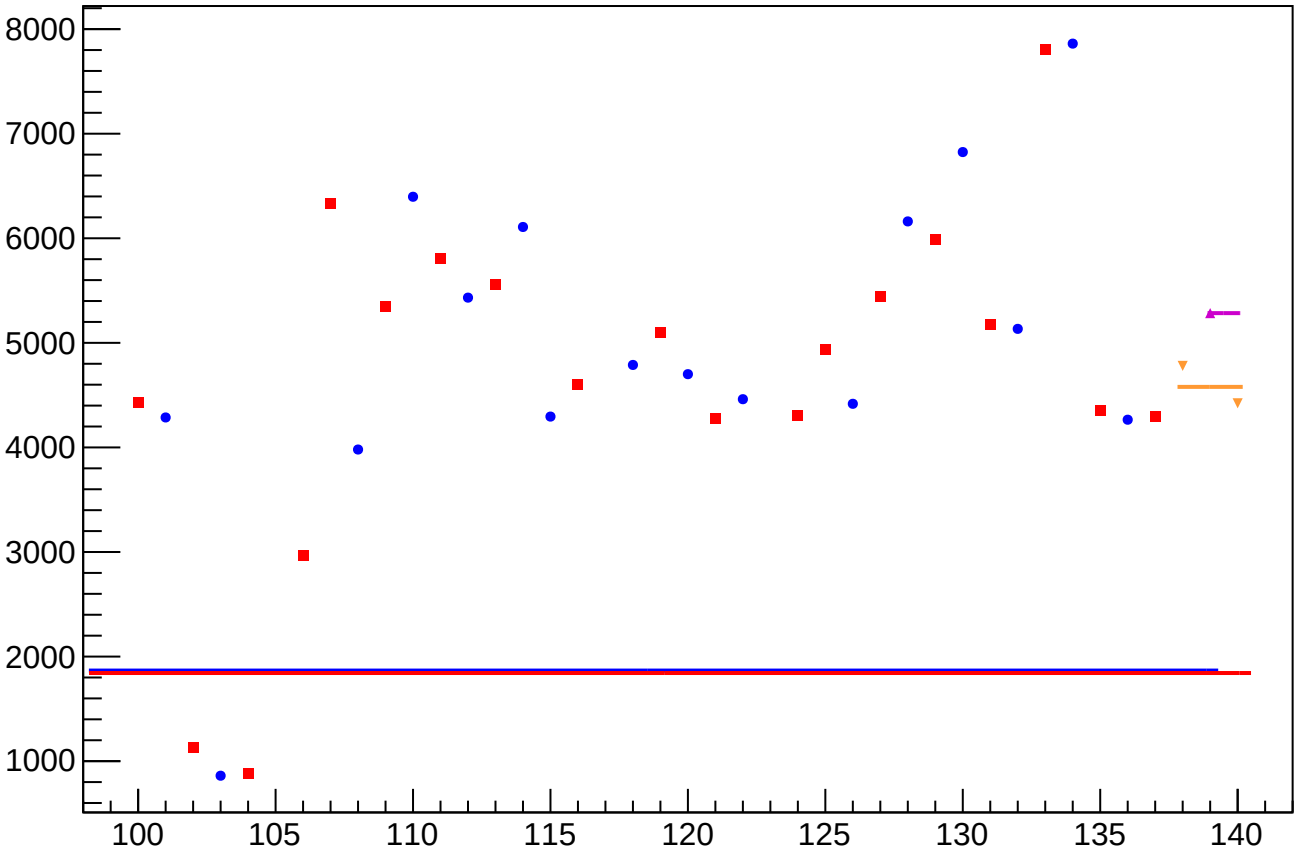
Left: 2717.669+/-3065.232 χ^2/NDF: 0.9/2

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -877.367+/-949.676 χ^2/NDF:13.9/16

Out: -953.224+/-917.241 χ^2/NDF:16.9/20

All: -916.613+/-659.756 χ^2/NDF: 30.8/37



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4578.981+/-2.561 χ^2/NDF:4808.8/1

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 5284.227+/-4.071 χ^2/NDF:0.0/0

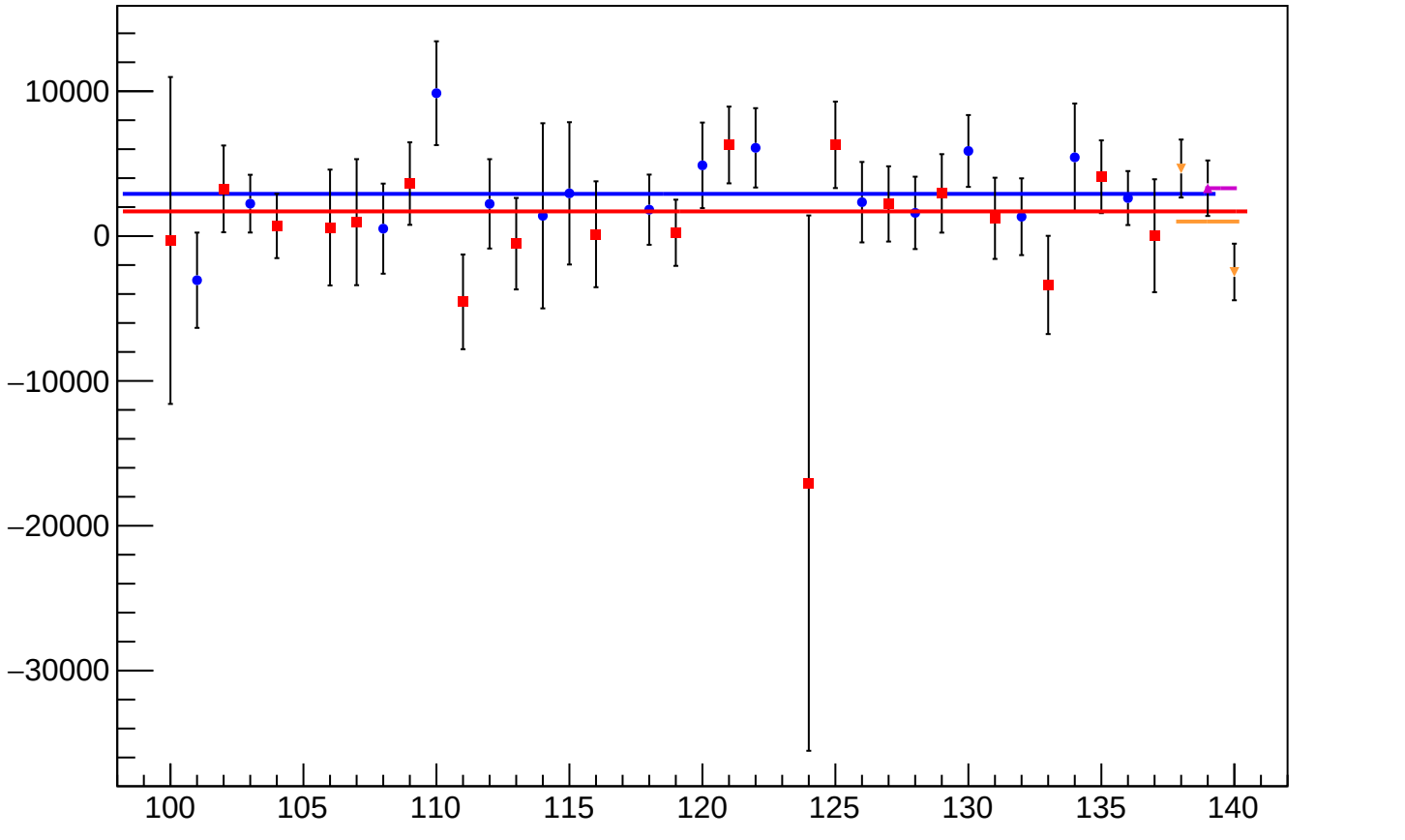
Left: 4778.899+/-2.167 χ^2/NDF: 26313.3/2

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 1959.256+/-0.672 χ^2/NDF:7535821.3/16

Out: 2018.434+/-0.649 χ^2/NDF:7531828.5/20

All: 1989.873+/-0.467 χ^2/NDF: 15071667.6/3



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1004.783+/-1397.981 χ^2/NDF:6.5/1

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 3303.866+/-1916.723 χ^2/NDF:0.0/0

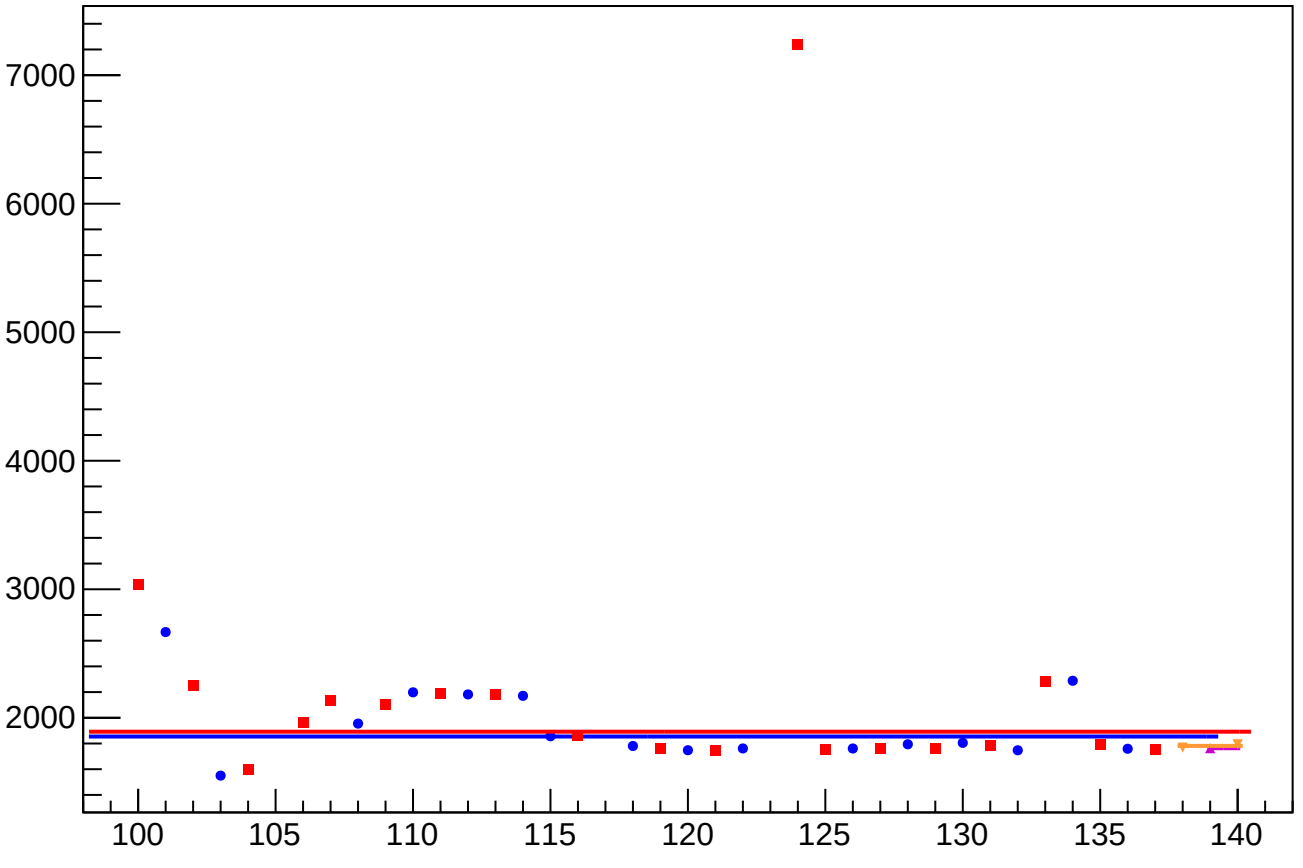
Left: 1803.125+/-1129.475 χ^2/NDF: 7.5/2

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2958.506+/-653.425 χ^2/NDF:12.5/16

Out: 1561.259+/-630.799 χ^2/NDF:22.5/20

All: 2235.272+/-453.830 χ^2/NDF: 37.4/37



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1781.328+/-0.989 χ^2/NDF:168.0/1

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1763.387+/-1.355 χ^2/NDF:0.0/0

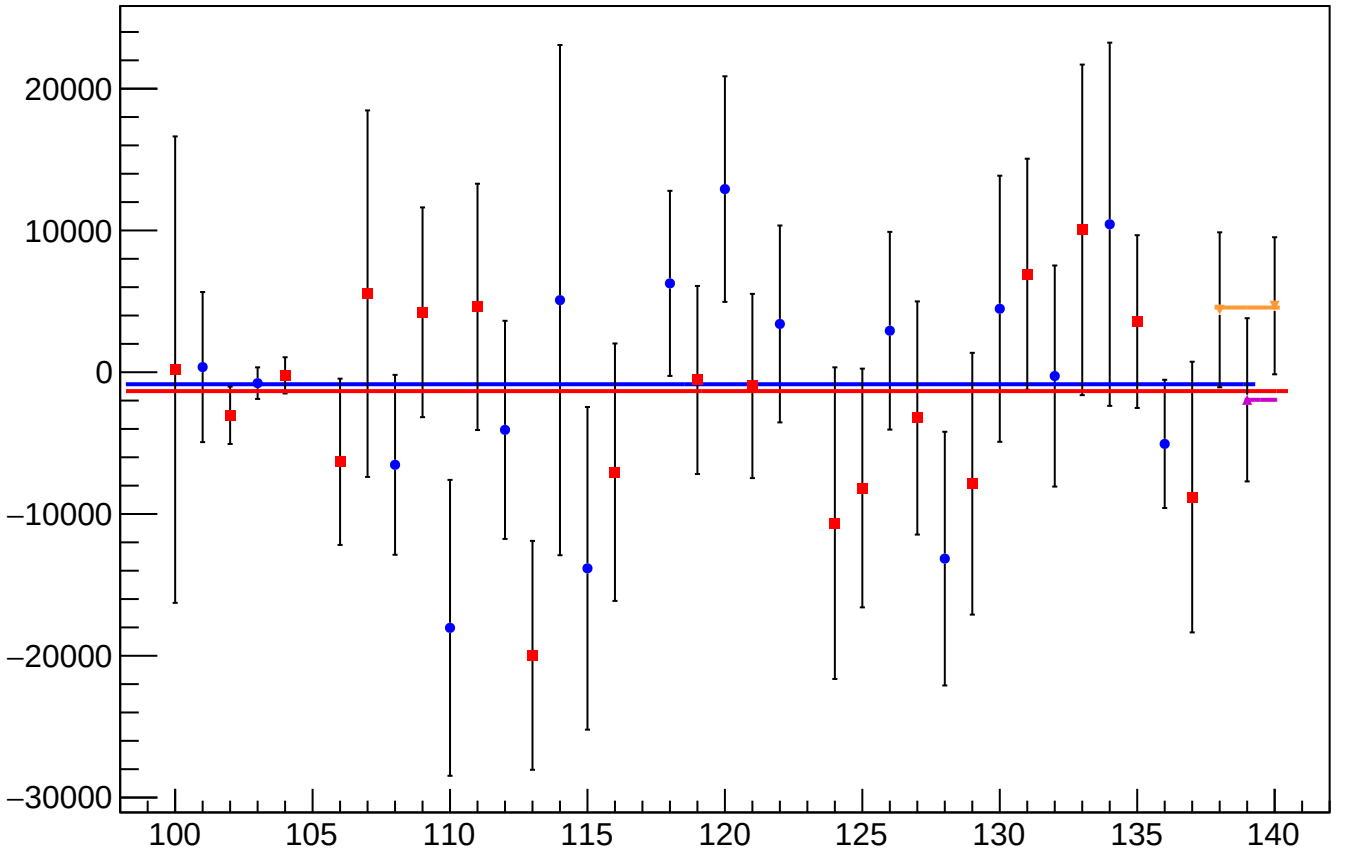
Left: 1775.098+/-0.799 χ^2/NDF: 282.4/2

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1843.746+/-0.462 χ^2/NDF:267300.3/16

Out: 1869.484+/-0.445 χ^2/NDF:374437.9/20

All: 1857.090+/-0.321 χ^2/NDF: 643347.0/37



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 4562.325+/-3621.155 χ^2/NDF:0.0/1

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -1945.014+/-5757.148 χ^2/NDF:0.0/0

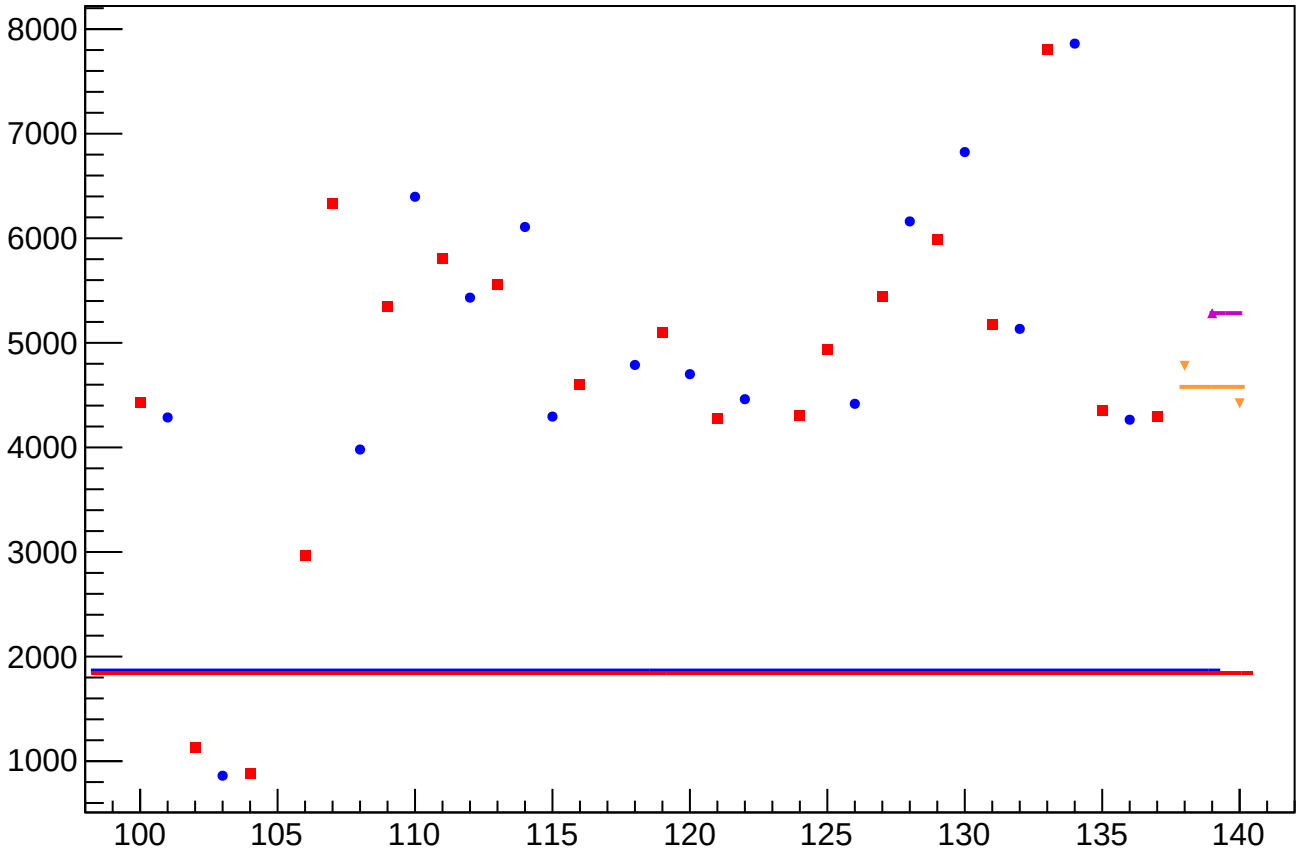
Left: 2717.669+/-3065.232 χ^2/NDF: 0.9/2

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -877.367+/-949.676 χ^2/NDF:13.9/16

Out: -953.224+/-917.241 χ^2/NDF:16.9/20

All: -916.613+/-659.756 χ^2/NDF: 30.8/37



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4578.981+/-2.561 χ^2/NDF:4808.8/1

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 5284.227+/-4.071 χ^2/NDF:0.0/0

Left: 4778.899+/-2.167 χ^2/NDF: 26313.3/2

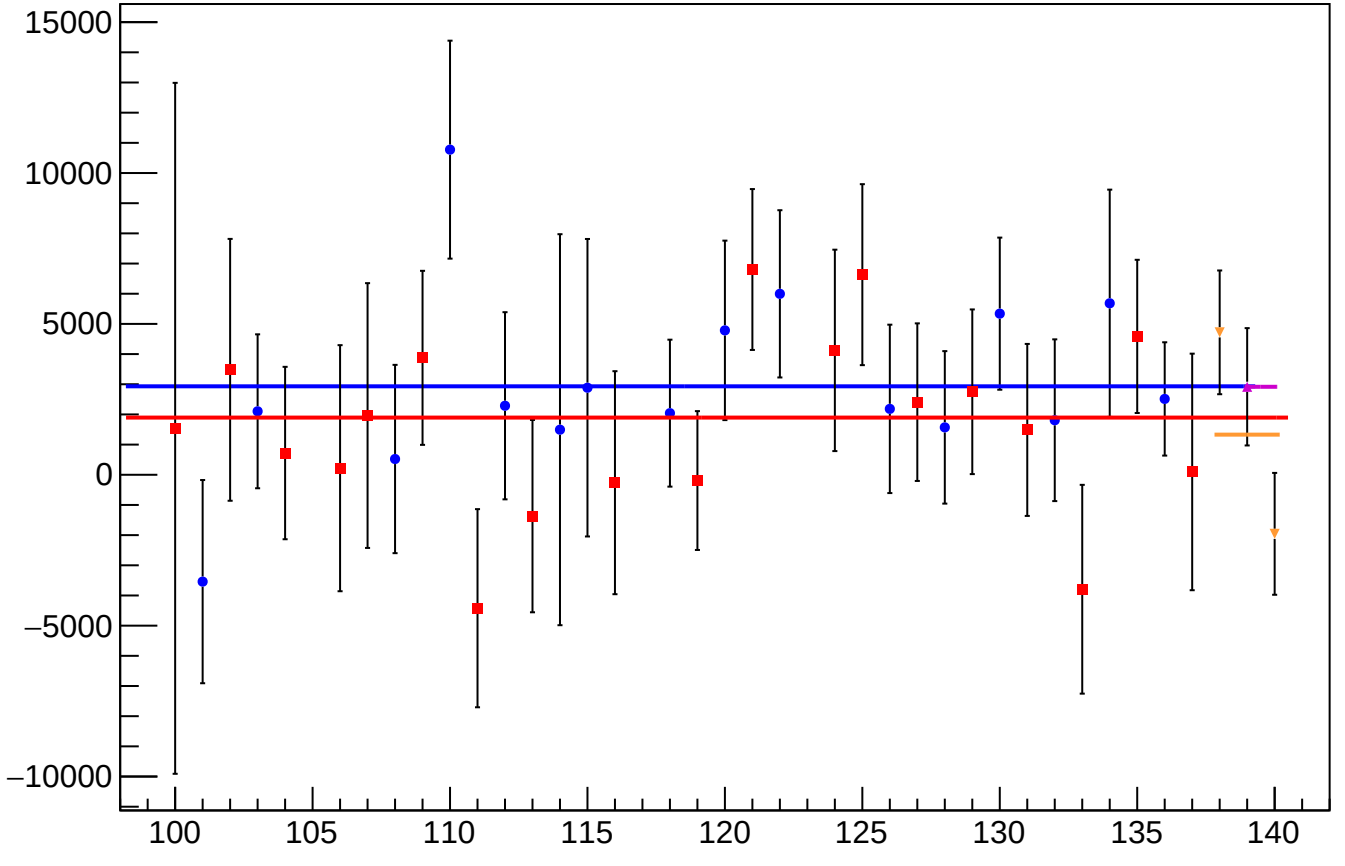
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 1959.256+/-0.672 χ^2/NDF:7535821.3/16

Out: 2018.434+/-0.649 χ^2/NDF:7531828.5/20

All: 1989.873+/-0.467 χ^2/NDF: 15071667.6/3

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1330.318+/-1438.718 χ^2/NDF:5.4/1

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2915.943+/-1944.140 χ^2/NDF:0.0/0

Left: 1891.400+/-1156.486 χ^2/NDF: 5.8/2

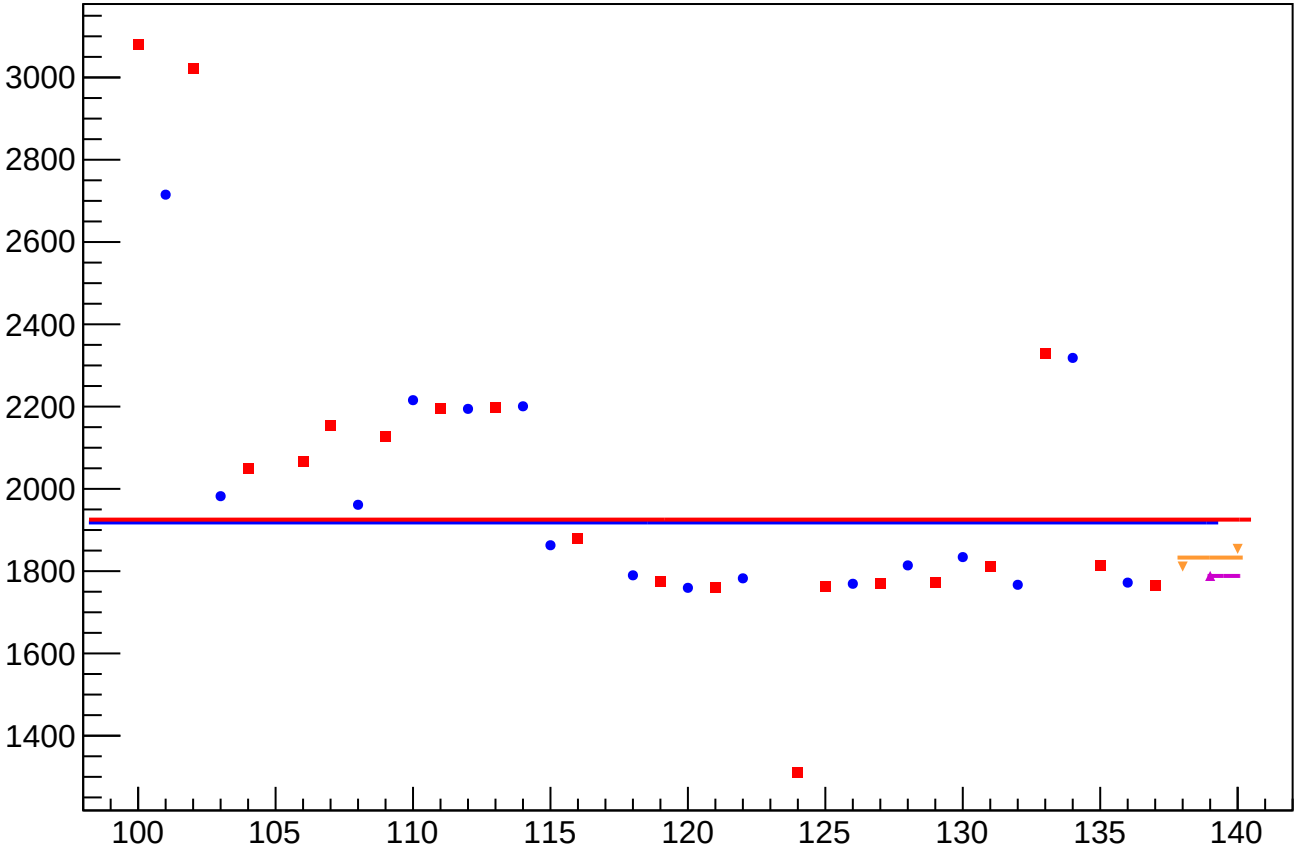
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2929.799+/-673.787 χ^2/NDF:13.0/16

Out: 1781.813+/-645.269 χ^2/NDF:22.9/20

All: 2330.998+/-466.030 χ^2/NDF: 37.4/37

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1832.986+/-1.017 χ^2/NDF:446.0/1

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1788.375+/-1.375 χ^2/NDF:0.0/0

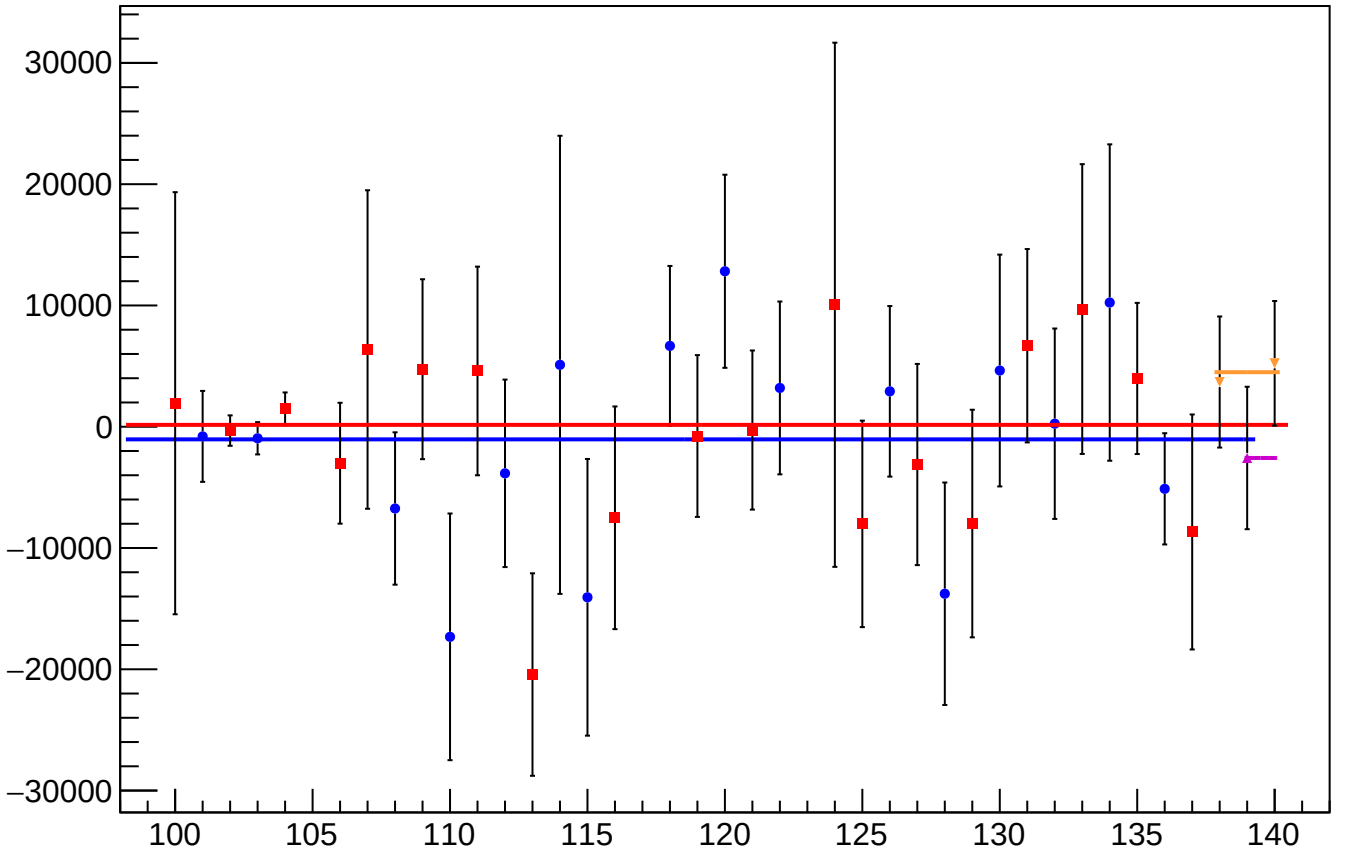
Left: 1817.200+/-0.818 χ^2/NDF: 1126.4/2

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1902.754+/-0.476 χ^2/NDF:223460.2/16

Out: 1906.723+/-0.456 χ^2/NDF:346115.6/20

All: 1904.825+/-0.329 χ^2/NDF: 569612.0/37



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 4498.020+/-3722.976 χ^2/NDF:0.0/1

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: -2575.888+/-5873.118 χ^2/NDF:0.0/0

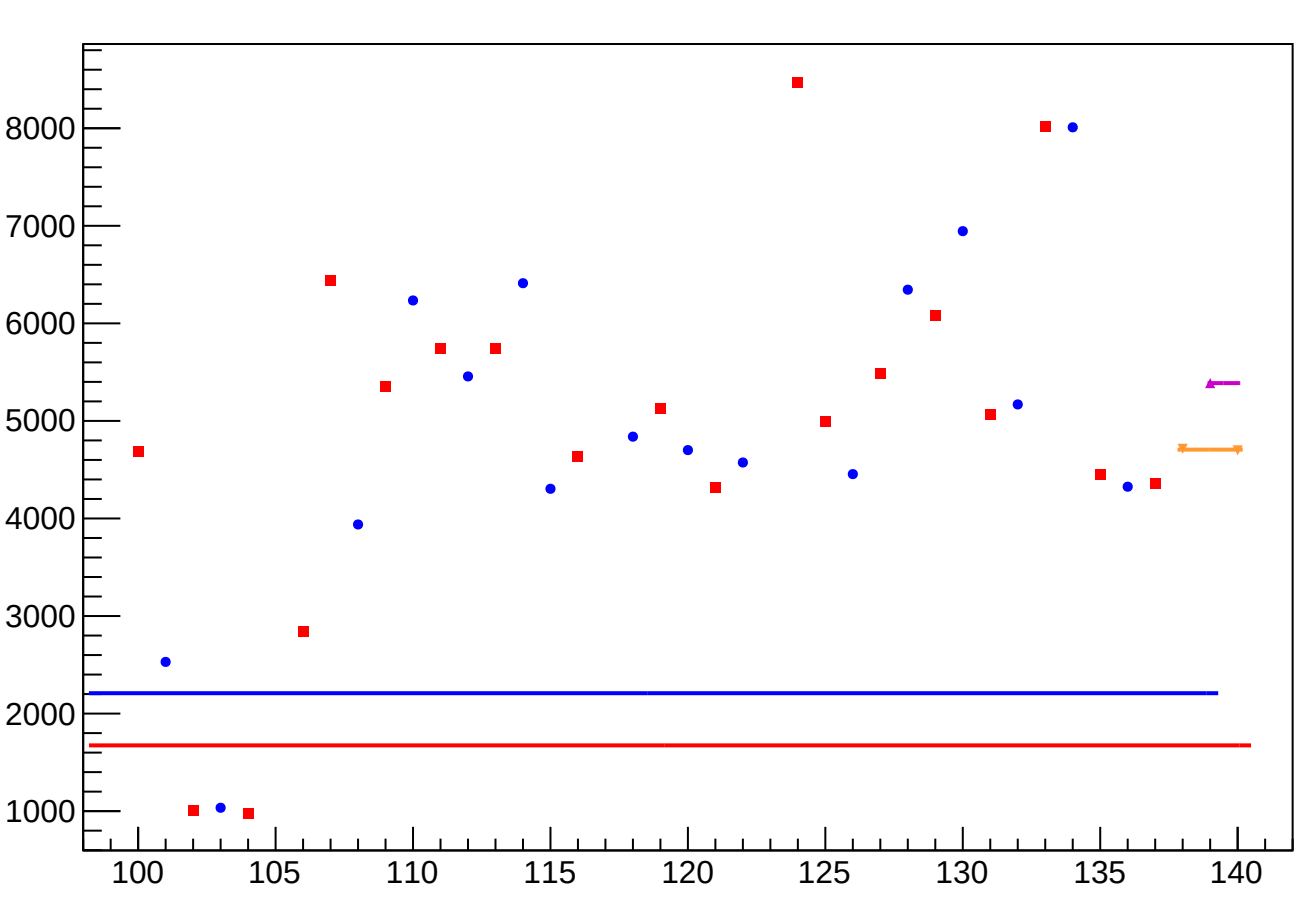
Left: 2470.305+/-3144.434 χ^2/NDF: 1.1/2

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -1091.402+/-1054.963 χ^2/NDF:13.9/16

Out: 362.000+/-815.368 χ^2/NDF:15.1/20

All: -181.522+/-645.138 χ^2/NDF: 30.2/37



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4705.809+/-2.633 χ^2/NDF:9.1/1

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 5387.565+/-4.153 χ^2/NDF:0.0/0

Left: 4901.232+/-2.223 χ^2/NDF: 19233.6/2

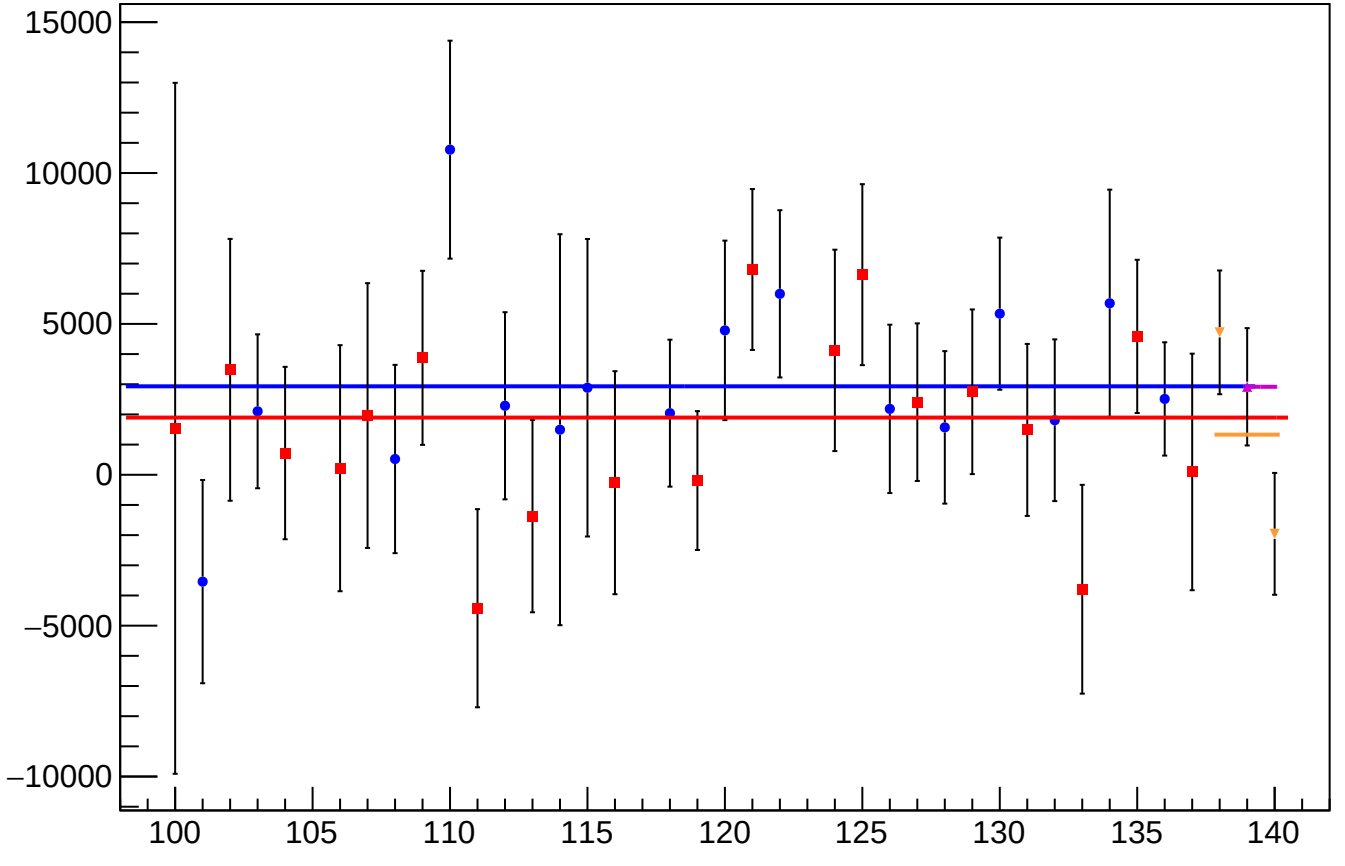
Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2311.473+/-0.746 χ^2/NDF:6065948.8/16

Out: 1819.576+/-0.577 χ^2/NDF:8115803.8/20

All: 2003.528+/-0.456 χ^2/NDF: 14453961.1/3

eigen_dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1330.312+/-1438.718 χ^2/NDF:5.4/1

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2915.906+/-1944.141 χ^2/NDF:0.0/0

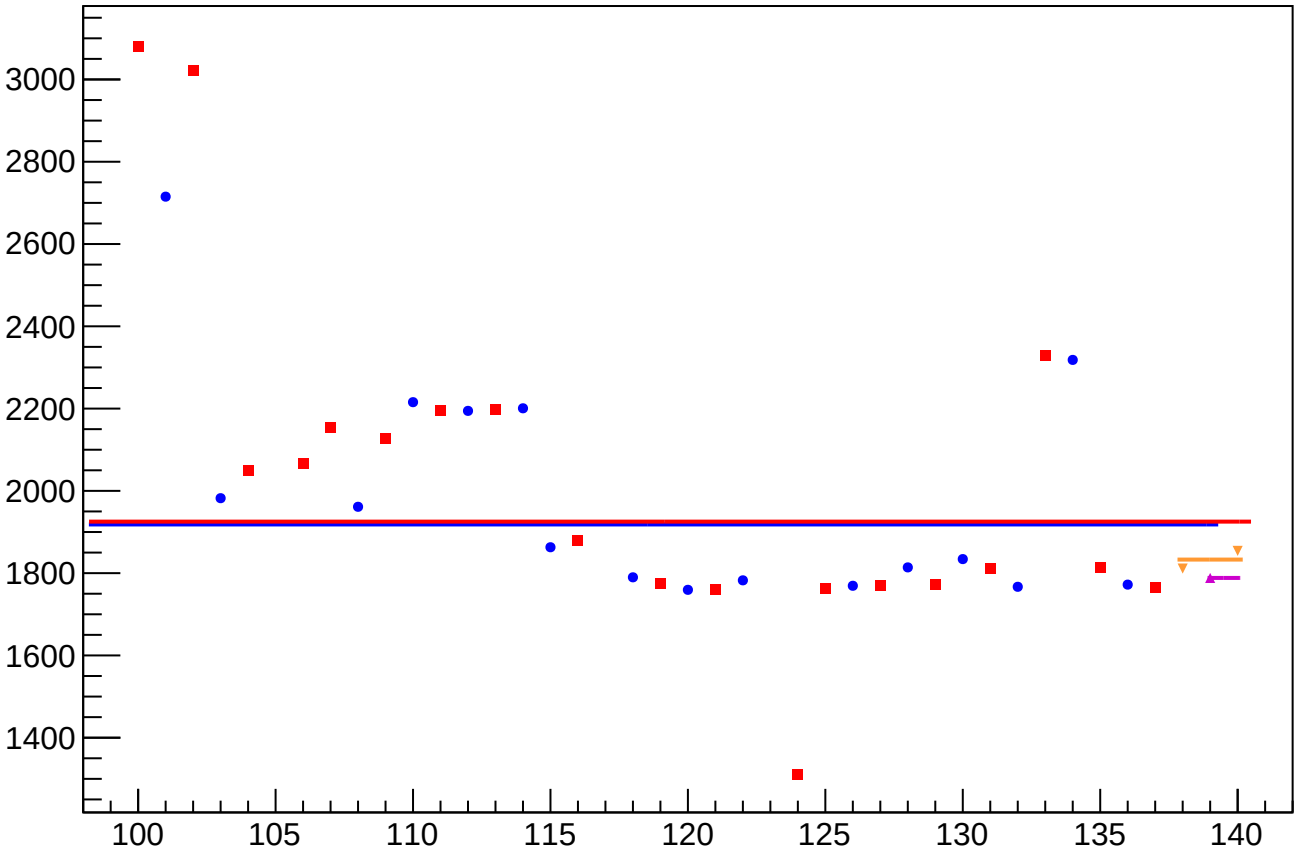
Left: 1891.382+/-1156.487 χ^2/NDF: 5.8/2

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2929.796+/-673.787 χ^2/NDF:13.0/16

Out: 1781.816+/-645.269 χ^2/NDF:22.9/20

All: 2330.998+/-466.030 χ^2/NDF: 37.4/37



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1832.986+/-1.017 χ^2/NDF:446.0/1

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1788.376+/-1.375 χ^2/NDF:0.0/0

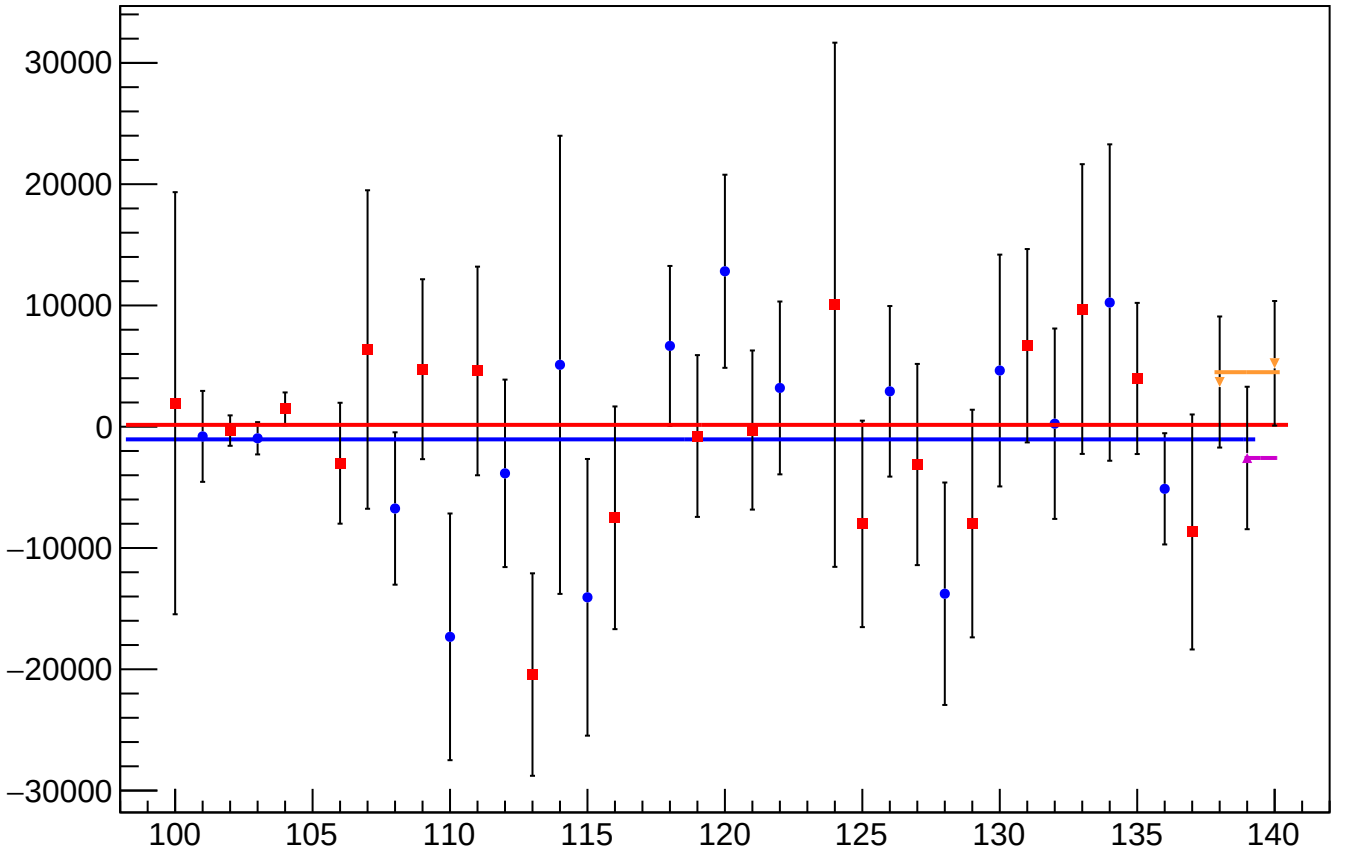
Left: 1817.200+/-0.818 χ^2/NDF: 1126.4/2

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1902.753+/-0.476 χ^2/NDF:223460.0/16

Out: 1906.722+/-0.456 χ^2/NDF:346114.5/20

All: 1904.825+/-0.329 χ^2/NDF: 569610.7/37



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 4498.017+/-3722.979 χ^2/NDF:0.0/1

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: -2575.934+/-5873.131 χ^2/NDF:0.0/0

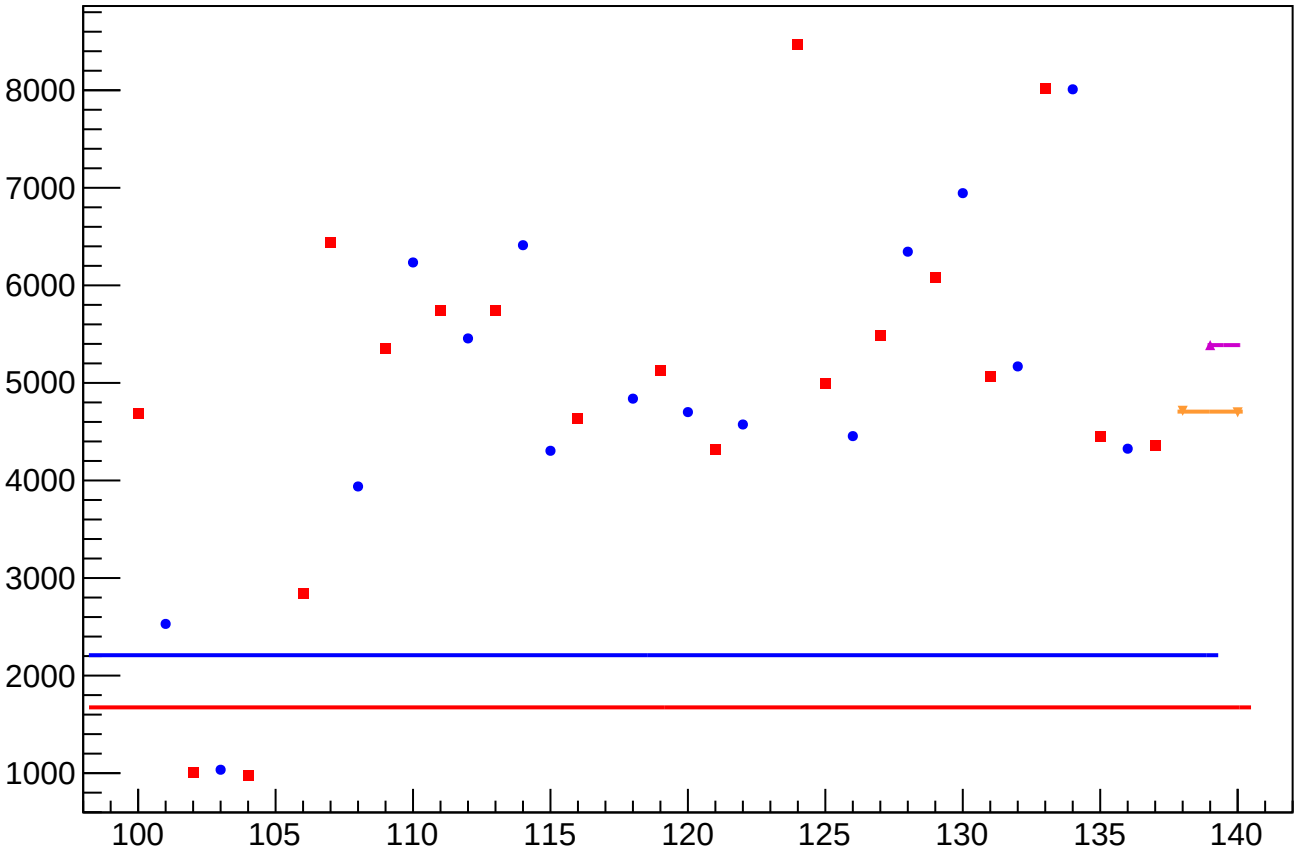
Left: 2470.294+/-3144.438 χ^2/NDF: 1.1/2

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -1091.401+/-1054.963 χ^2/NDF:13.9/16

Out: 361.994+/-815.368 χ^2/NDF:15.1/20

All: -181.525+/-645.138 χ^2/NDF: 30.2/37



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4705.813+/-2.633 χ^2/NDF:9.1/1

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 5387.577+/-4.153 χ^2/NDF:0.0/0

Left: 4901.238+/-2.223 χ^2/NDF: 19234.0/2

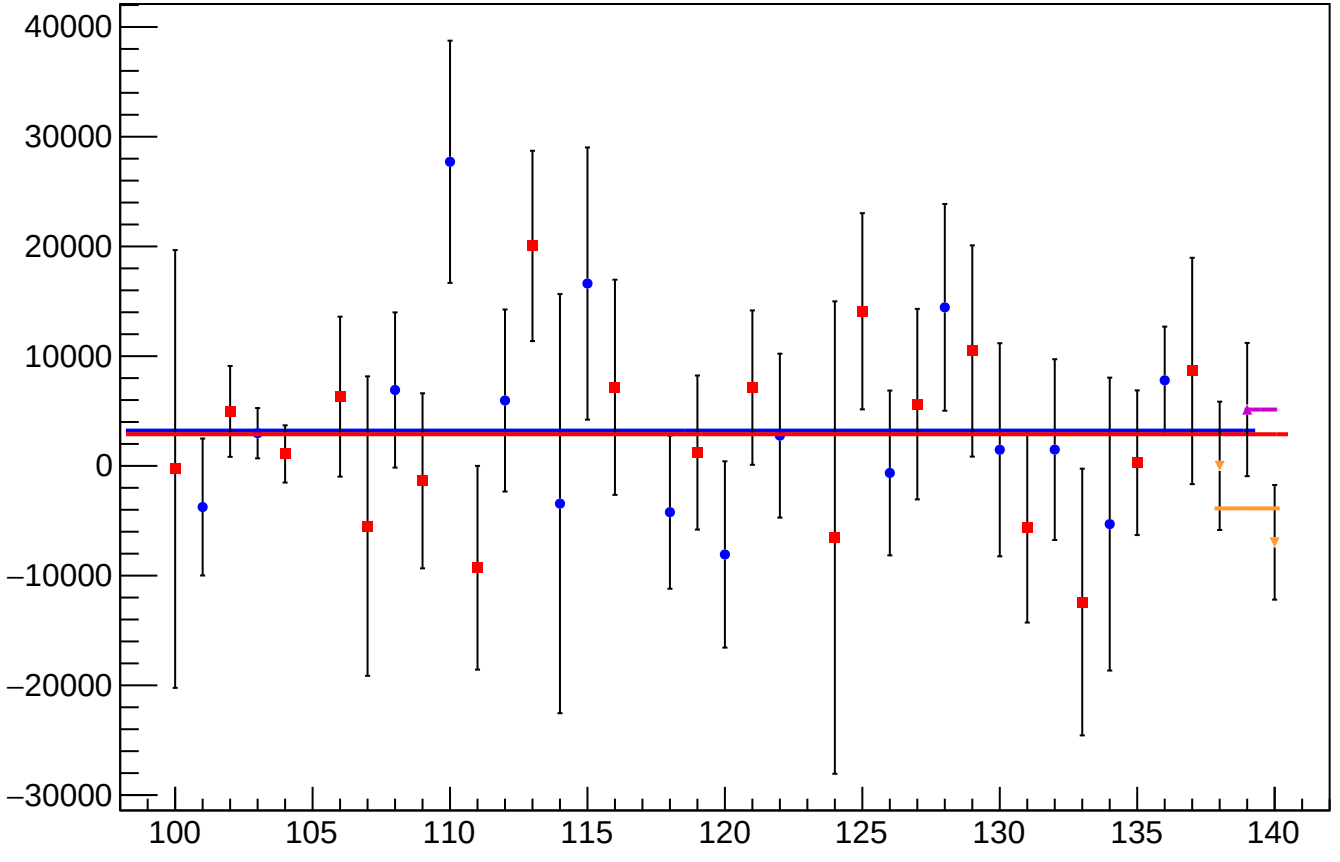
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2311.472+/-0.746 χ^2/NDF:6065943.7/16

Out: 1819.575+/-0.577 χ^2/NDF:8115797.2/20

All: 2003.527+/-0.456 χ^2/NDF: 14453949.1/3

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -3873.077+/-3895.652 χ^2/NDF:0.8/1

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 5133.990+/-6072.026 χ^2/NDF:0.0/0

Left: -1246.684+/-3278.851 χ^2/NDF: 2.3/2

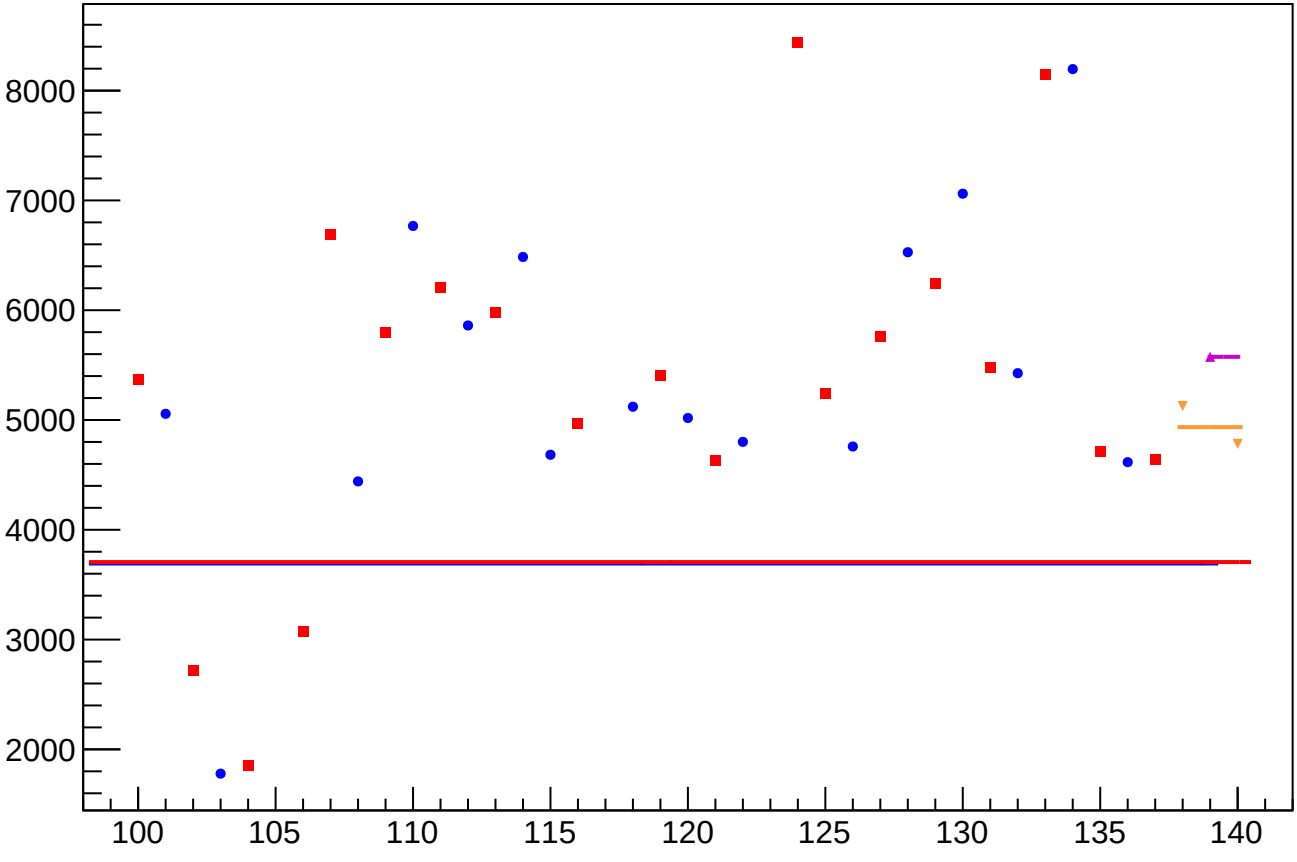
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 3331.525+/-1492.066 χ^2/NDF:13.9/16

Out: 1957.808+/-1441.890 χ^2/NDF:16.8/20

All: 2621.180+/-1036.855 χ^2/NDF: 31.1/37

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4935.252+/-2.755 χ^2/NDF:3861.7/1

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5575.351+/-4.294 χ^2/NDF:0.0/0

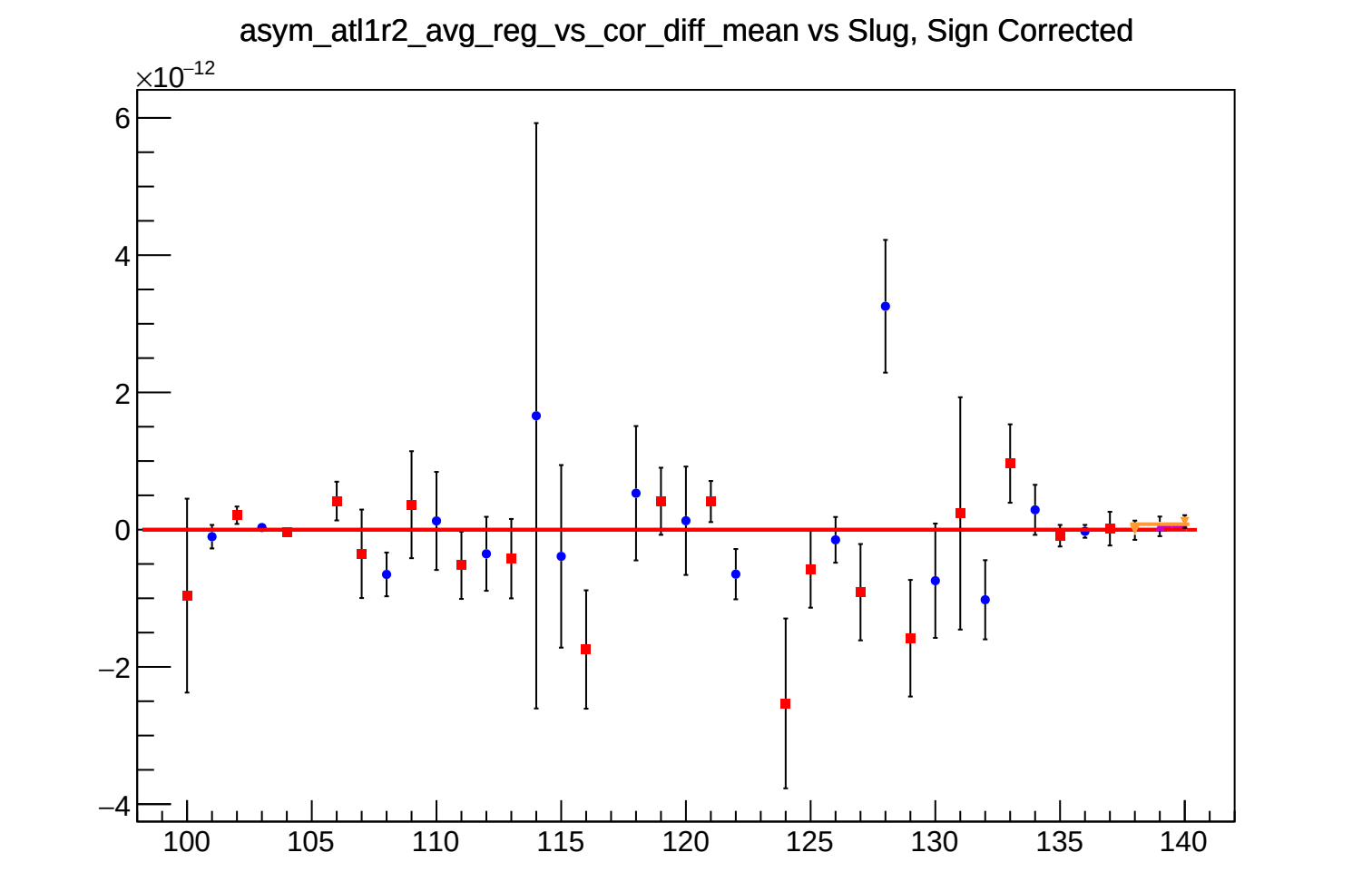
Left: 5121.900+/-2.318 χ^2/NDF: 19606.7/2

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 3806.487+/-1.055 χ^2/NDF:3066292.5/16

Out: 3871.576+/-1.011 χ^2/NDF:2860692.0/20

All: 3840.426+/-0.730 χ^2/NDF: 5928969.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

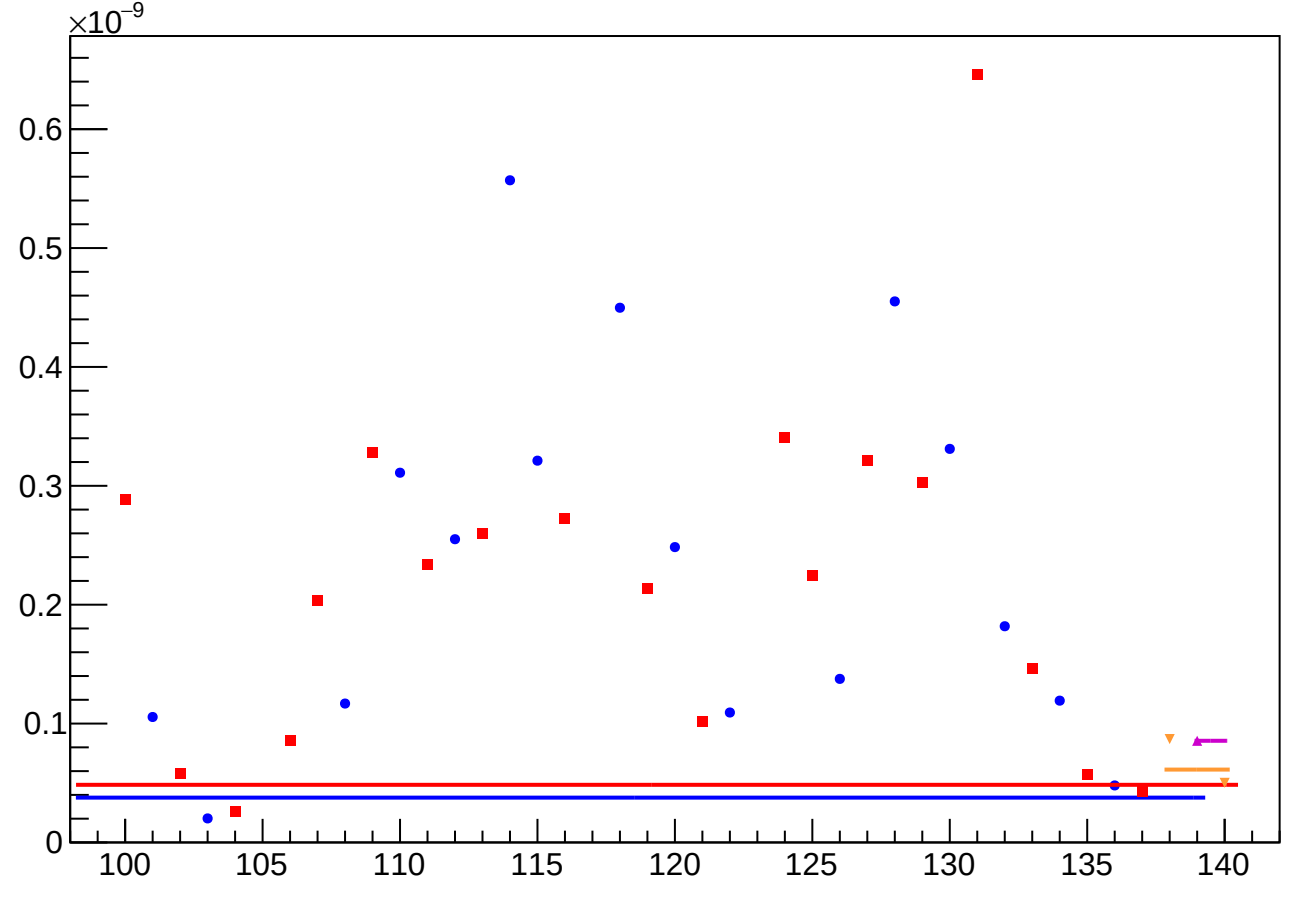
Left: 0.000+/-0.000 χ^2/NDF: 0.6/2

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: 0.000+/-0.000 χ^2/NDF:25.5/16

Out: 0.000+/-0.000 χ^2/NDF:29.6/20

All: 0.000+/-0.000 χ^2/NDF: 55.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:96538.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 141100.0/2

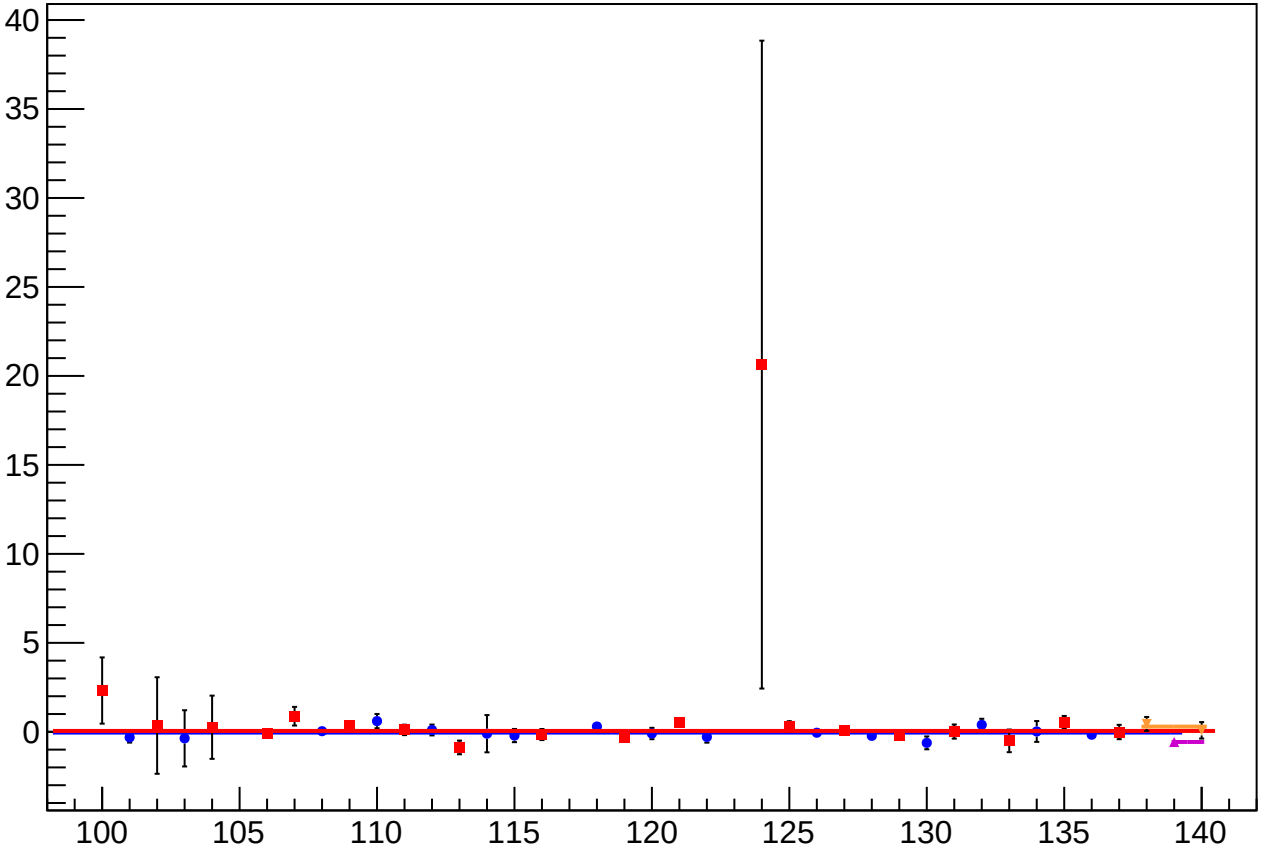
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:3351059.7/16

Out: 0.000+/-0.000 χ^2/NDF:3033317.6/20

All: 0.000+/-0.000 χ^2/NDF: 6474574.4/37

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.292+/-0.299 χ^2/NDF:0.3/1

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.570+/-0.272 χ^2/NDF:0.0/0

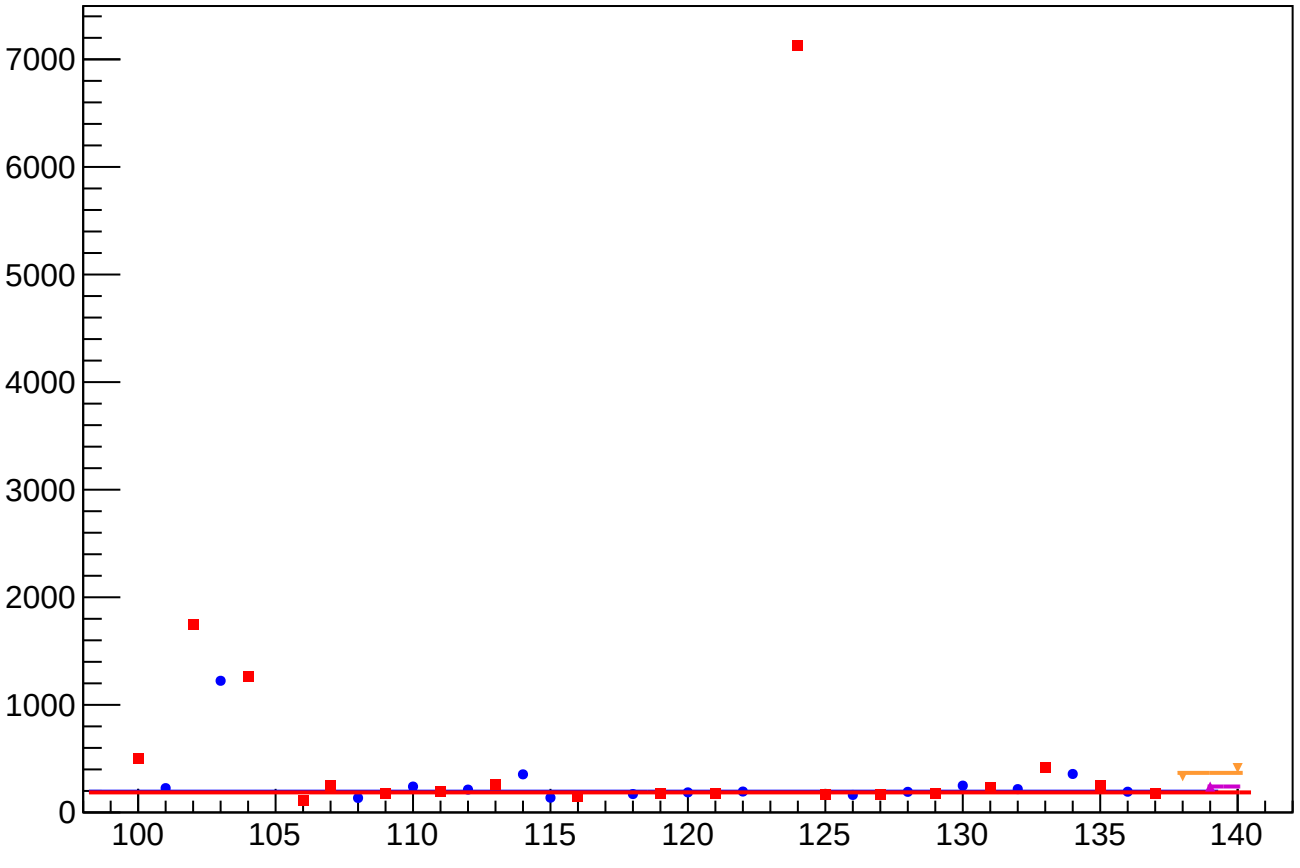
Left: -0.180+/-0.201 χ^2/NDF: 4.9/2

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.081+/-0.075 χ^2/NDF:15.2/16

Out: 0.065+/-0.076 χ^2/NDF:24.0/20

All: -0.009+/-0.053 χ^2/NDF: 41.1/37



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 367.850+/-0.212 χ^2/NDF:32213.3/1

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 241.196+/-0.192 χ^2/NDF:0.0/0

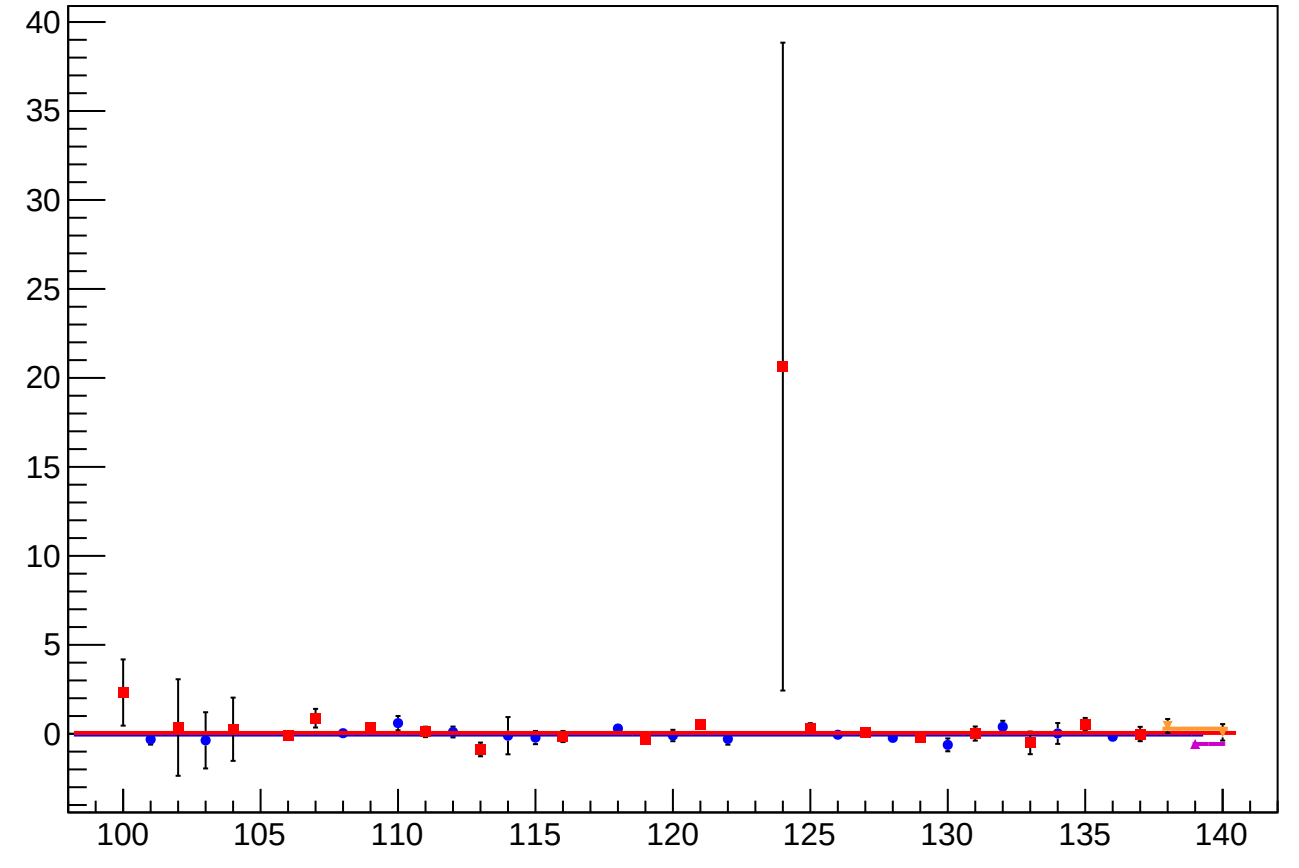
Left: 298.552+/-0.142 χ^2/NDF: 228364.2/2

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 196.867+/-0.053 χ^2/NDF:1465788.7/16

Out: 198.151+/-0.054 χ^2/NDF:3199531.9/20

All: 197.496+/-0.038 χ^2/NDF: 4665609.8/37



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.292+/-0.299 χ^2/NDF:0.3/1

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.570+/-0.272 χ^2/NDF:0.0/0

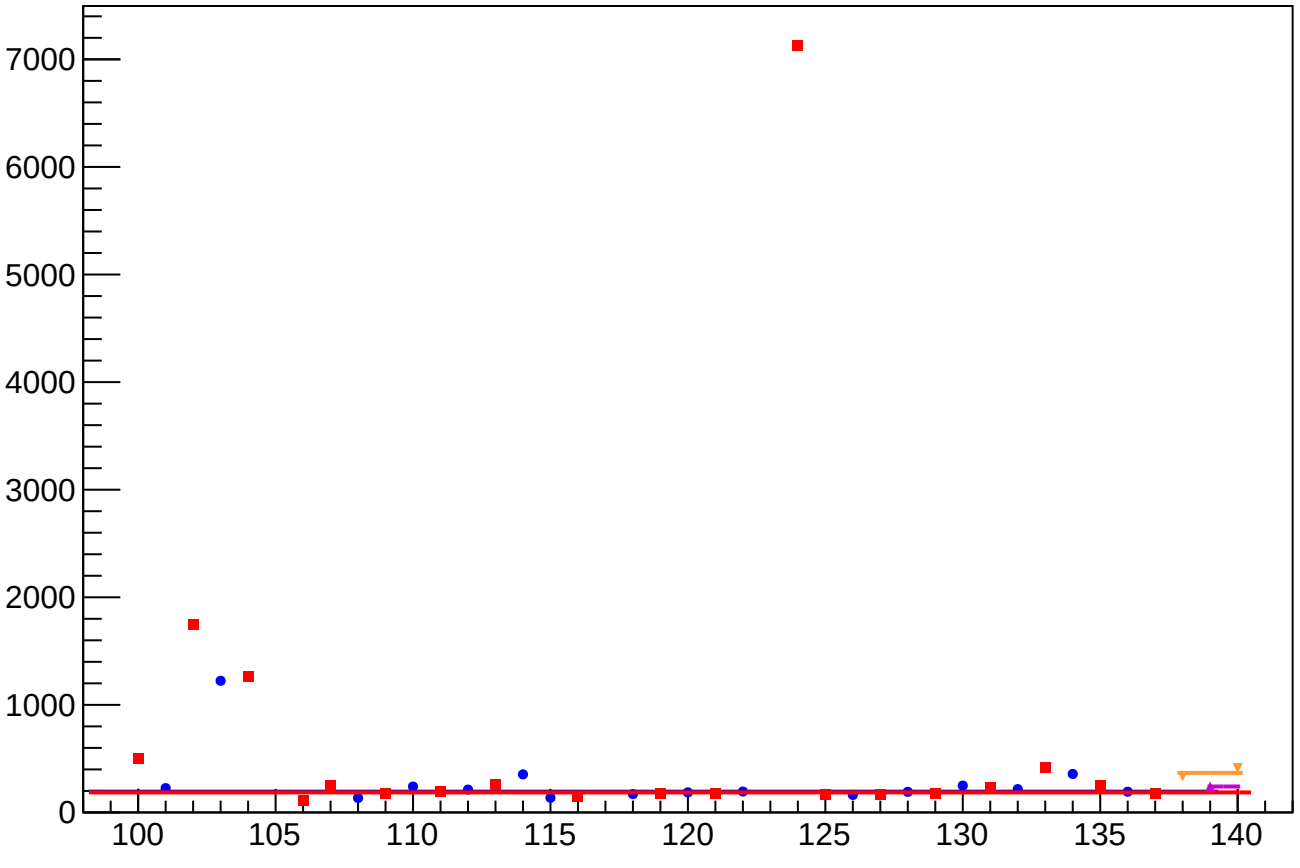
Left: -0.180+/-0.201 χ^2/NDF: 4.9/2

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.081+/-0.075 χ^2/NDF:15.2/16

Out: 0.065+/-0.076 χ^2/NDF:24.0/20

All: -0.009+/-0.053 χ^2/NDF: 41.1/37



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 367.850+/-0.212 χ^2/NDF:32213.3/1

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 241.196+/-0.192 χ^2/NDF:0.0/0

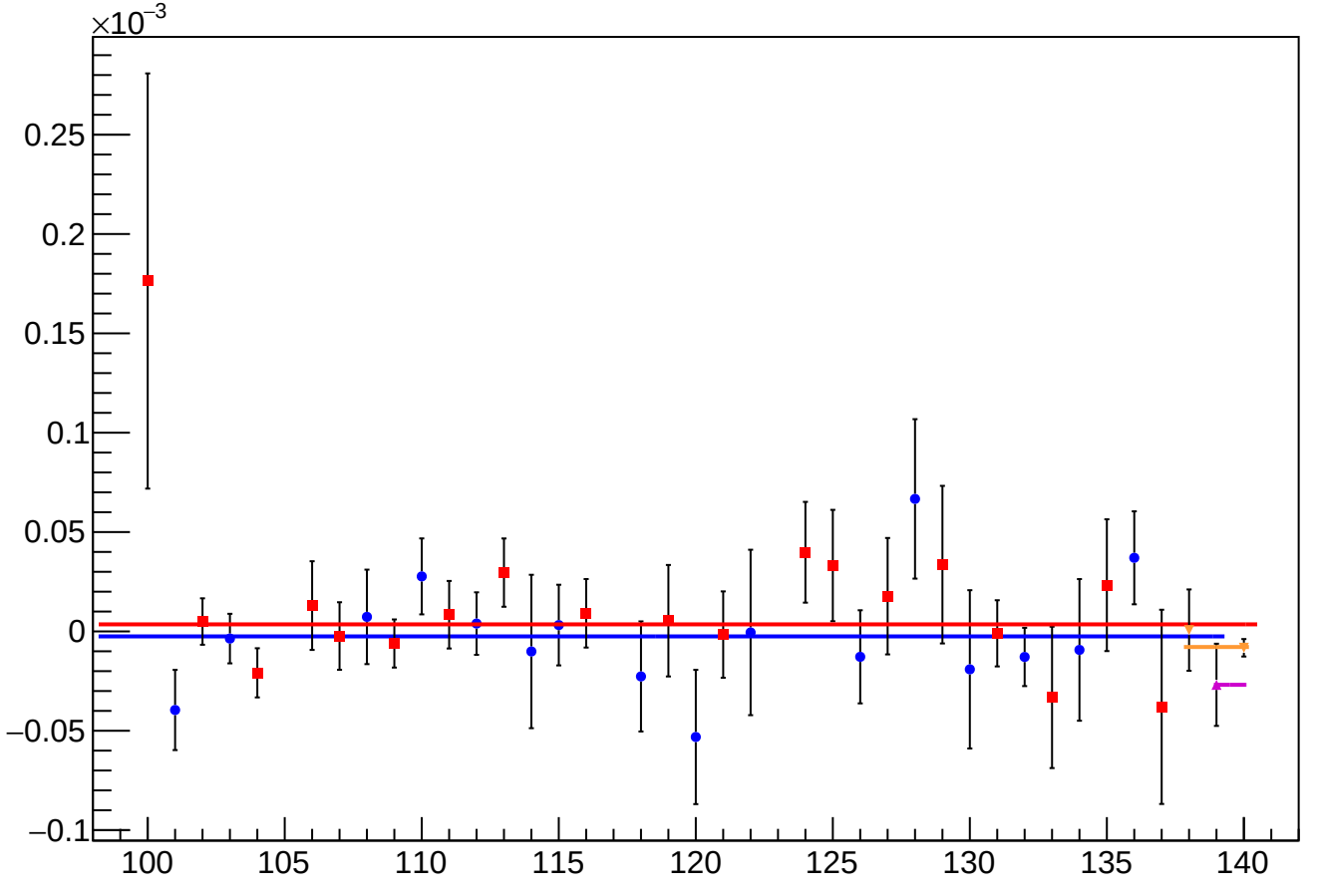
Left: 298.552+/-0.142 χ^2/NDF: 228364.2/2

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 196.867+/-0.053 χ^2/NDF:1465788.7/16

Out: 198.151+/-0.054 χ^2/NDF:3199531.9/20

All: 197.496+/-0.038 χ^2/NDF: 4665609.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

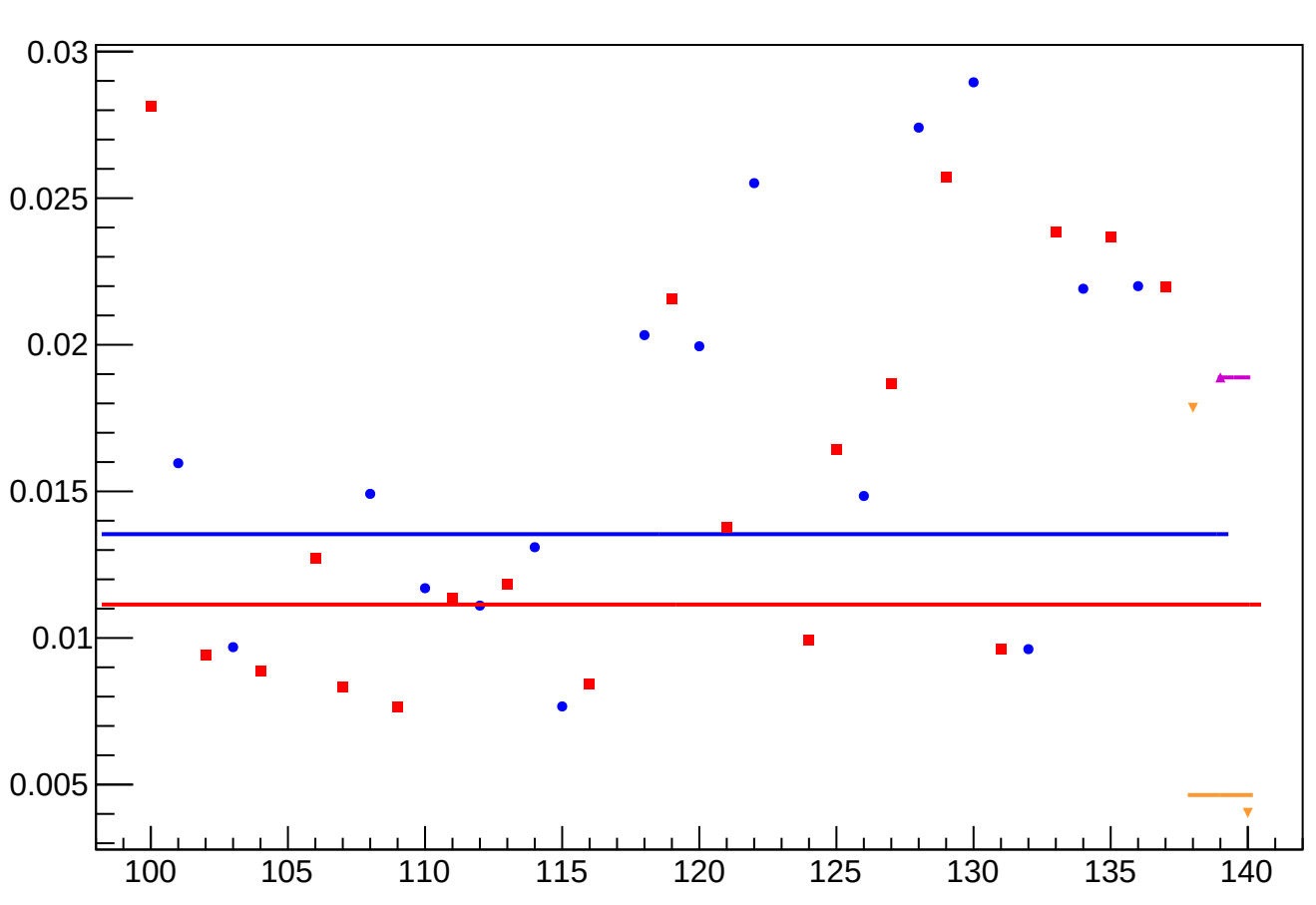
Left: -0.000+/-0.000 χ^2/NDF: 1.0/2

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:17.1/16

Out: -0.000+/-0.000 χ^2/NDF:19.9/20

All: -0.000+/-0.000 χ^2/NDF: 37.1/37



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:870880.3/1

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.019+/-0.000 χ^2/NDF:0.0/0

Left: 0.005+/-0.000 χ^2/NDF: 1780206.8/2

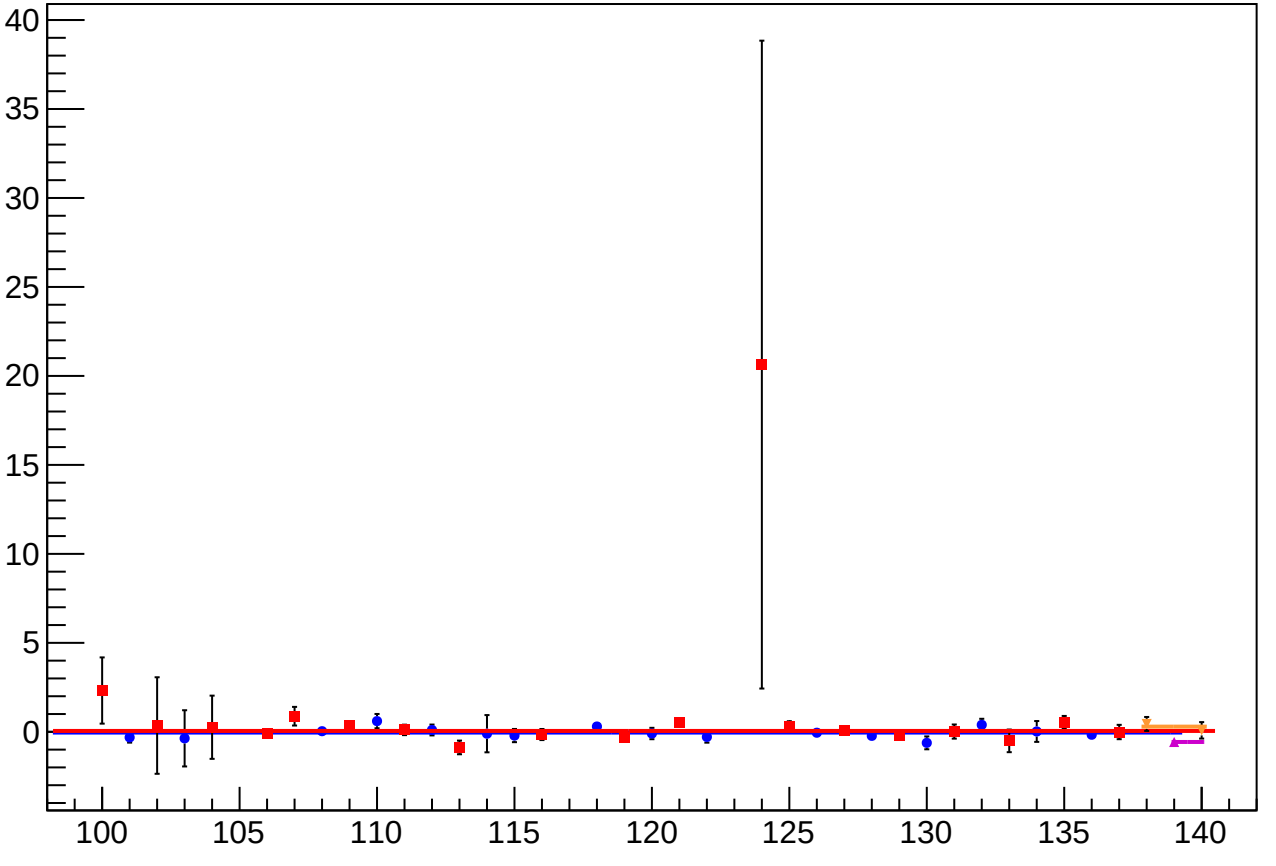
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.014+/-0.000 χ^2/NDF:2002560.2/16

Out: 0.008+/-0.000 χ^2/NDF:4956341.5/20

All: 0.009+/-0.000 χ^2/NDF: 8960596.3/37

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.292+/-0.299 χ^2/NDF:0.3/1

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.570+/-0.272 χ^2/NDF:0.0/0

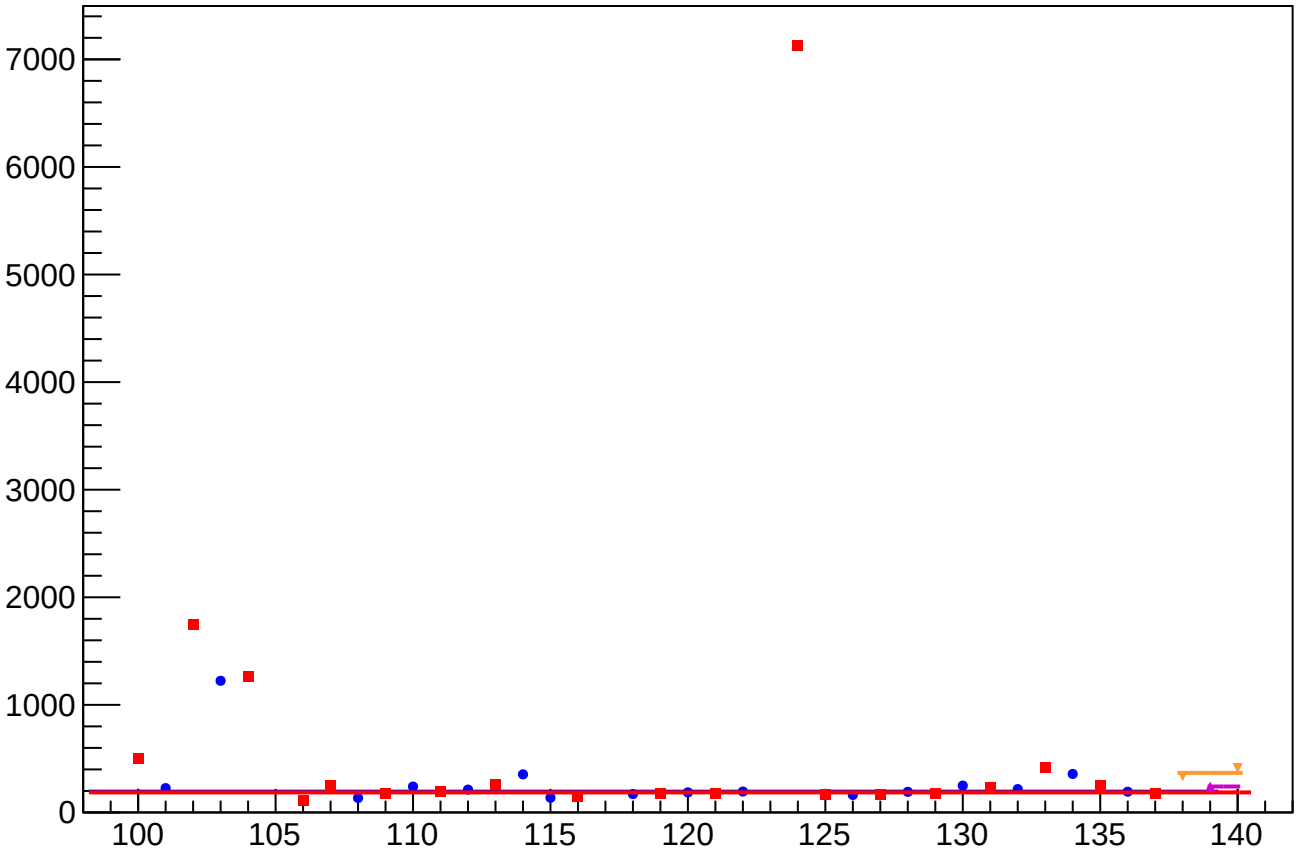
Left: -0.180+/-0.201 χ^2/NDF: 4.9/2

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.081+/-0.075 χ^2/NDF:15.2/16

Out: 0.065+/-0.076 χ^2/NDF:24.0/20

All: -0.009+/-0.053 χ^2/NDF: 41.1/37



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 367.854+/-0.212 χ^2/NDF:32207.9/1

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 241.201+/-0.192 χ^2/NDF:0.0/0

Left: 298.557+/-0.142 χ^2/NDF: 228348.0/2

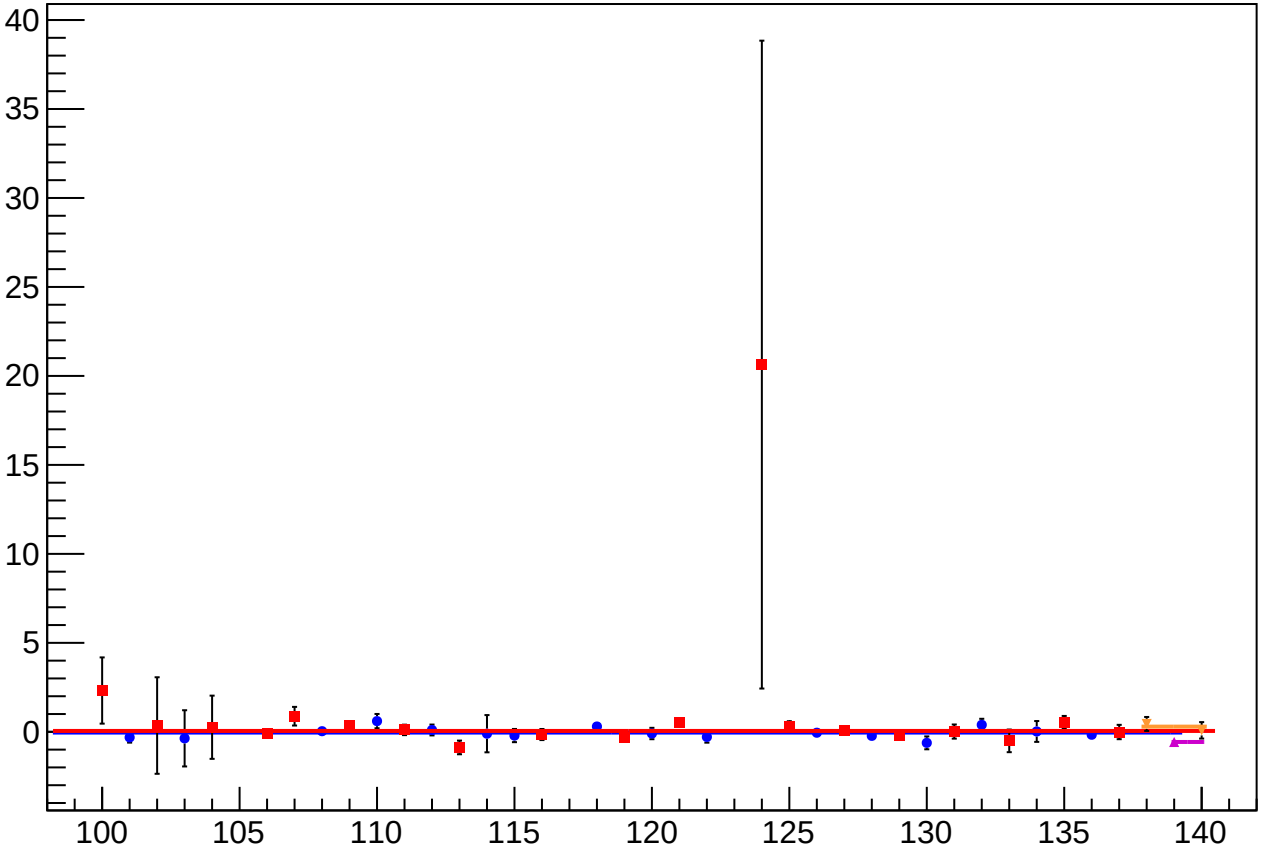
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 196.866+/-0.053 χ^2/NDF:1465795.5/16

Out: 198.148+/-0.054 χ^2/NDF:3199587.9/20

All: 197.495+/-0.038 χ^2/NDF: 4665672.2/37

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.292+/-0.299 χ^2/NDF:0.3/1

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.570+/-0.272 χ^2/NDF:0.0/0

Left: -0.180+/-0.201 χ^2/NDF: 4.9/2

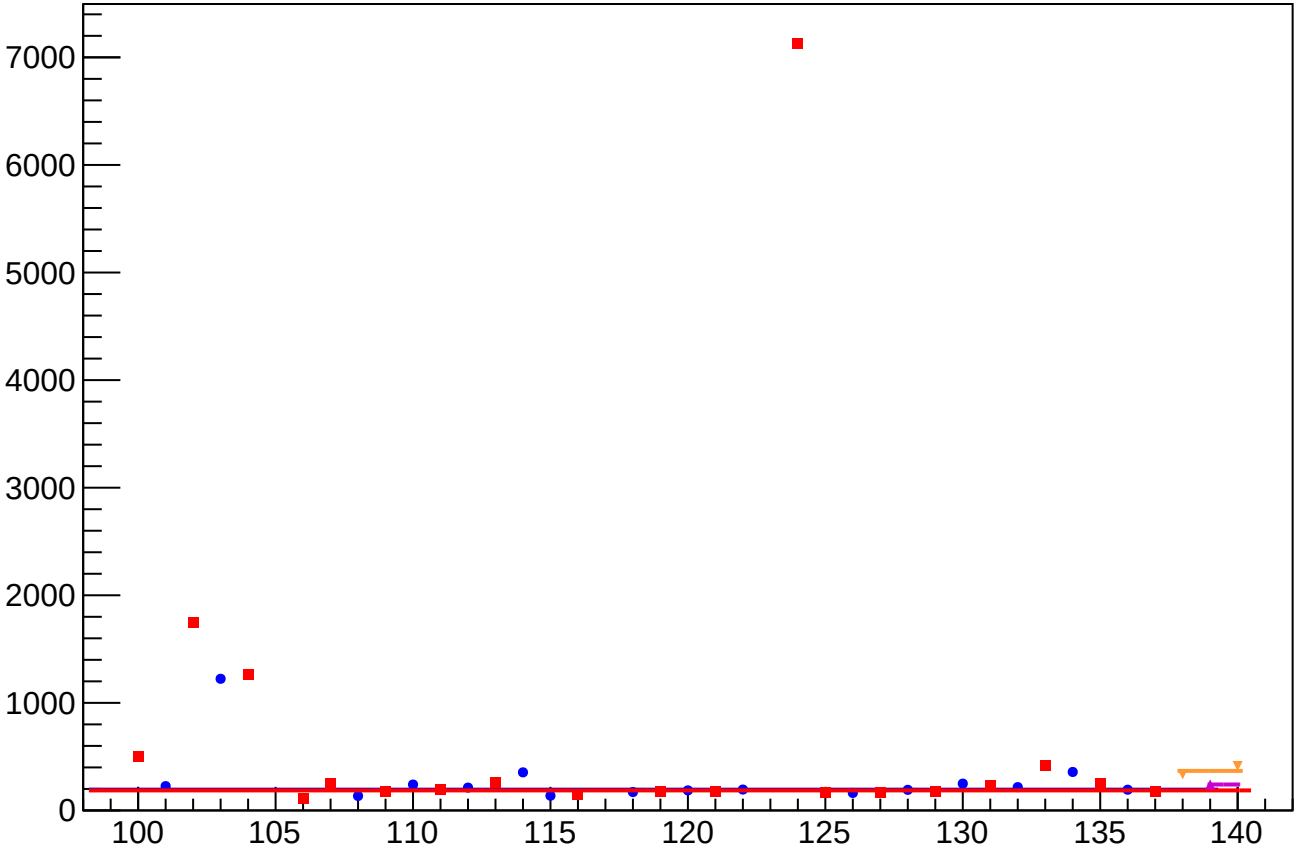
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.081+/-0.075 χ^2/NDF:15.2/16

Out: 0.065+/-0.076 χ^2/NDF:24.0/20

All: -0.009+/-0.053 χ^2/NDF: 41.1/37

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 367.854+/-0.212 χ^2/NDF:32207.9/1

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 241.201+/-0.192 χ^2/NDF:0.0/0

Left: 298.557+/-0.142 χ^2/NDF: 228348.0/2

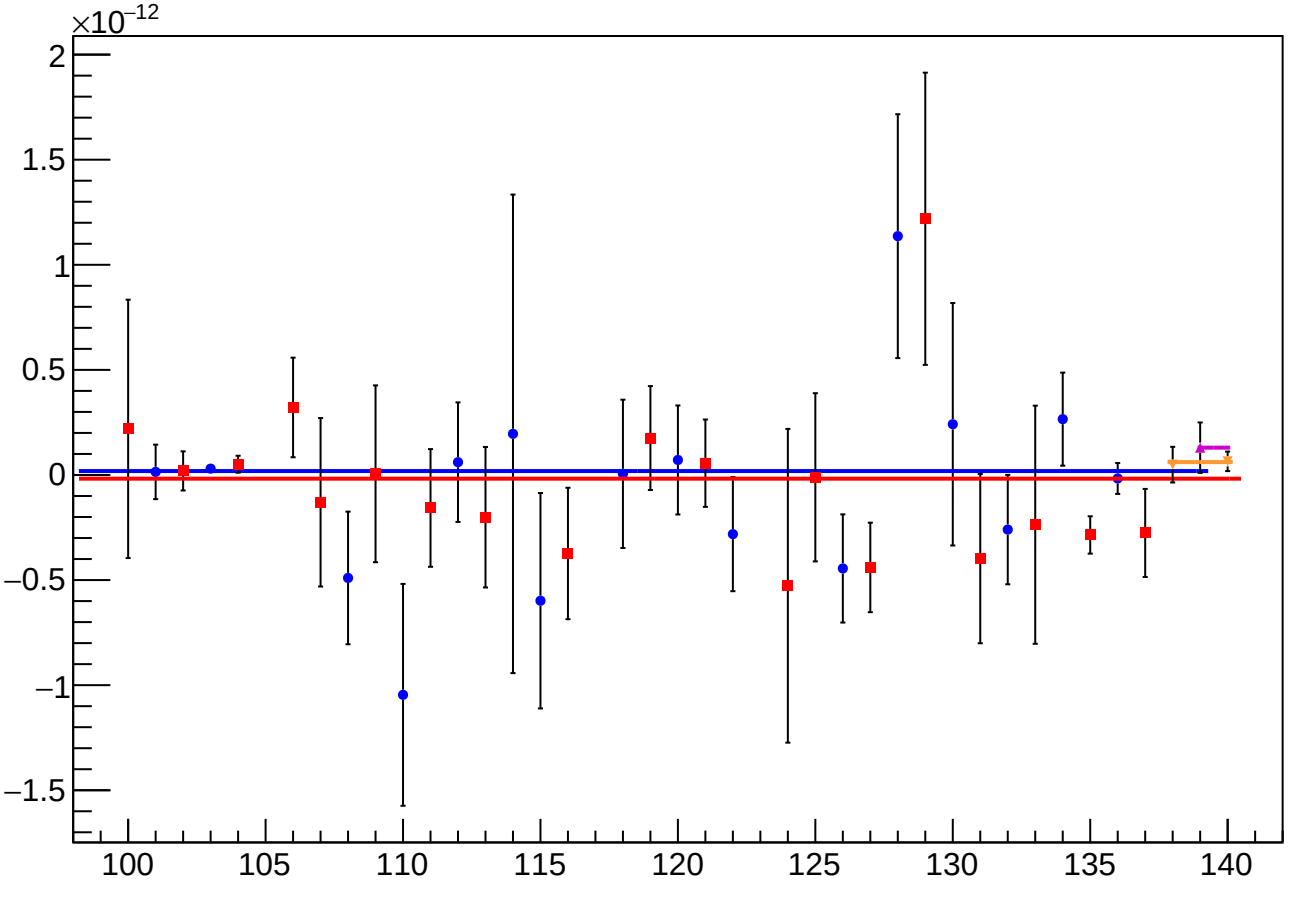
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 196.866+/-0.053 χ^2/NDF:1465795.5/16

Out: 198.148+/-0.054 χ^2/NDF:3199587.9/20

All: 197.495+/-0.038 χ^2/NDF: 4665672.2/37

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:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

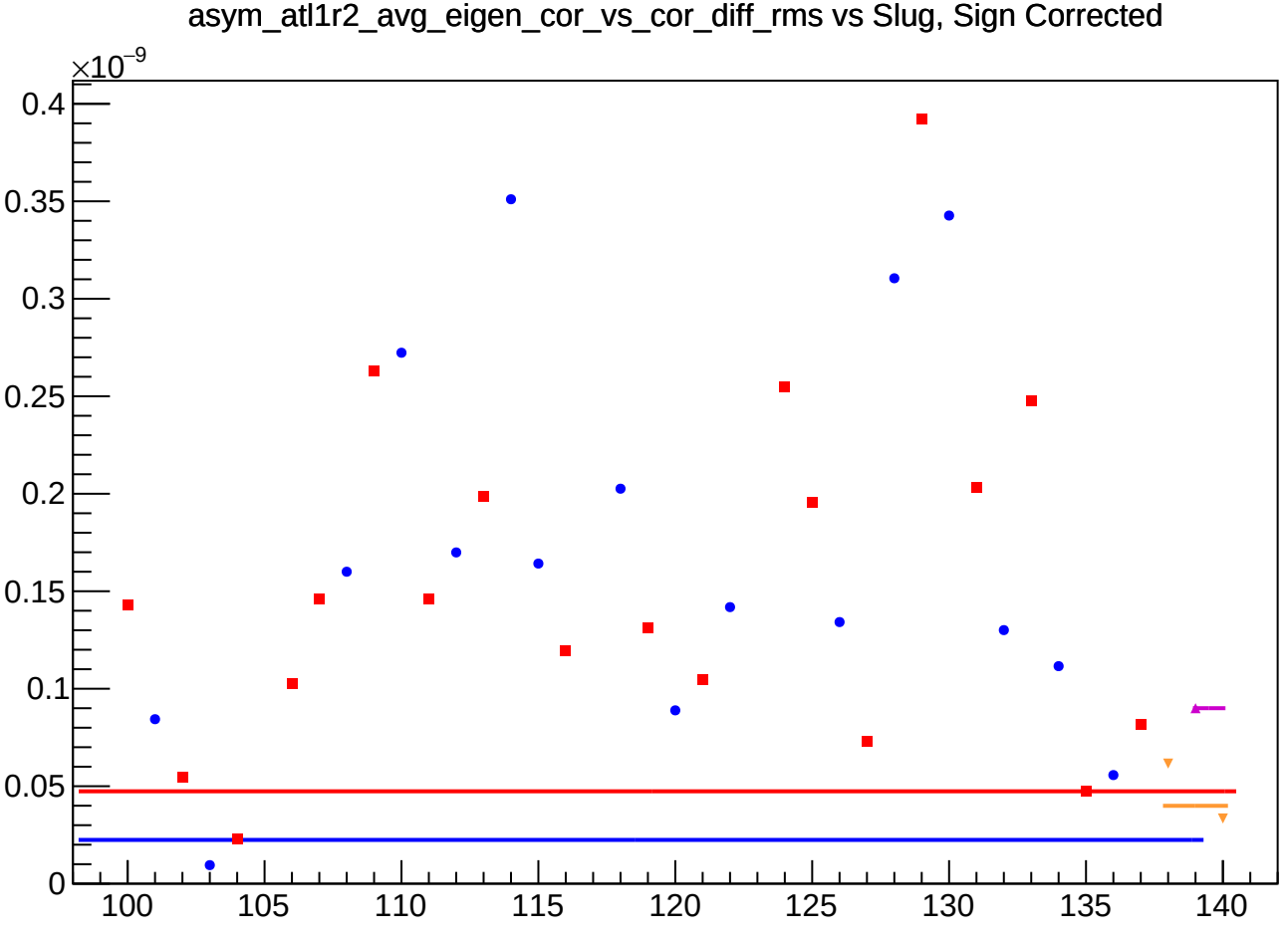
Left: 0.000+/-0.000 χ^2/NDF: 0.3/2

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:20.2/16

Out: 0.000+/-0.000 χ^2/NDF:29.5/20

All: 0.000+/-0.000 χ^2/NDF: 49.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:169651.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

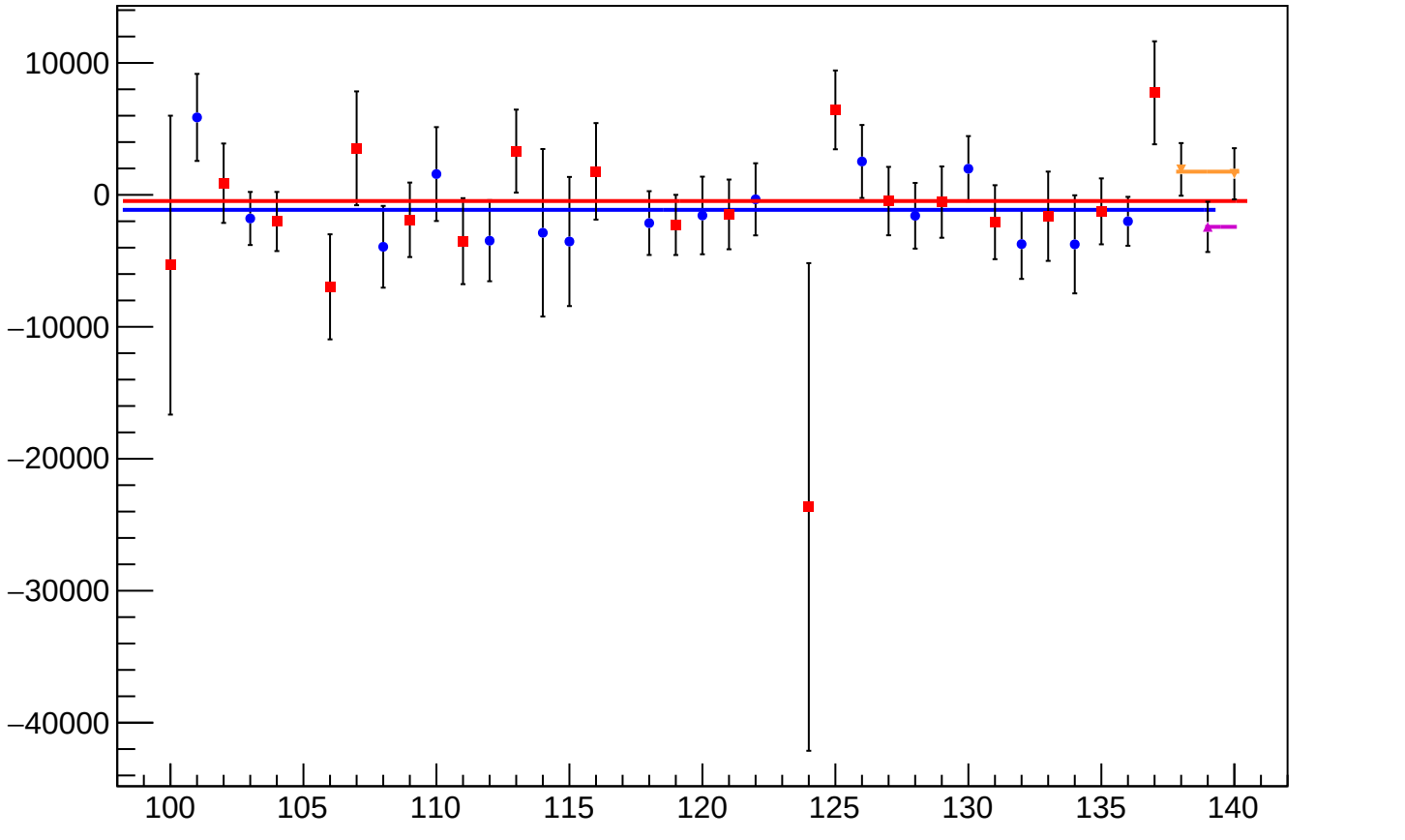
Left: 0.000+/-0.000 χ^2/NDF: 481917.3/2

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:7025952.3/16

Out: 0.000+/-0.000 χ^2/NDF:4447819.5/20

All: 0.000+/-0.000 χ^2/NDF: 12272468.3/37



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1759.163+/-1390.294 χ^2/NDF:0.0/1

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -2423.661+/-1906.245 χ^2/NDF:0.0/0

Left: 306.764+/-1123.277 χ^2/NDF: 3.2/2

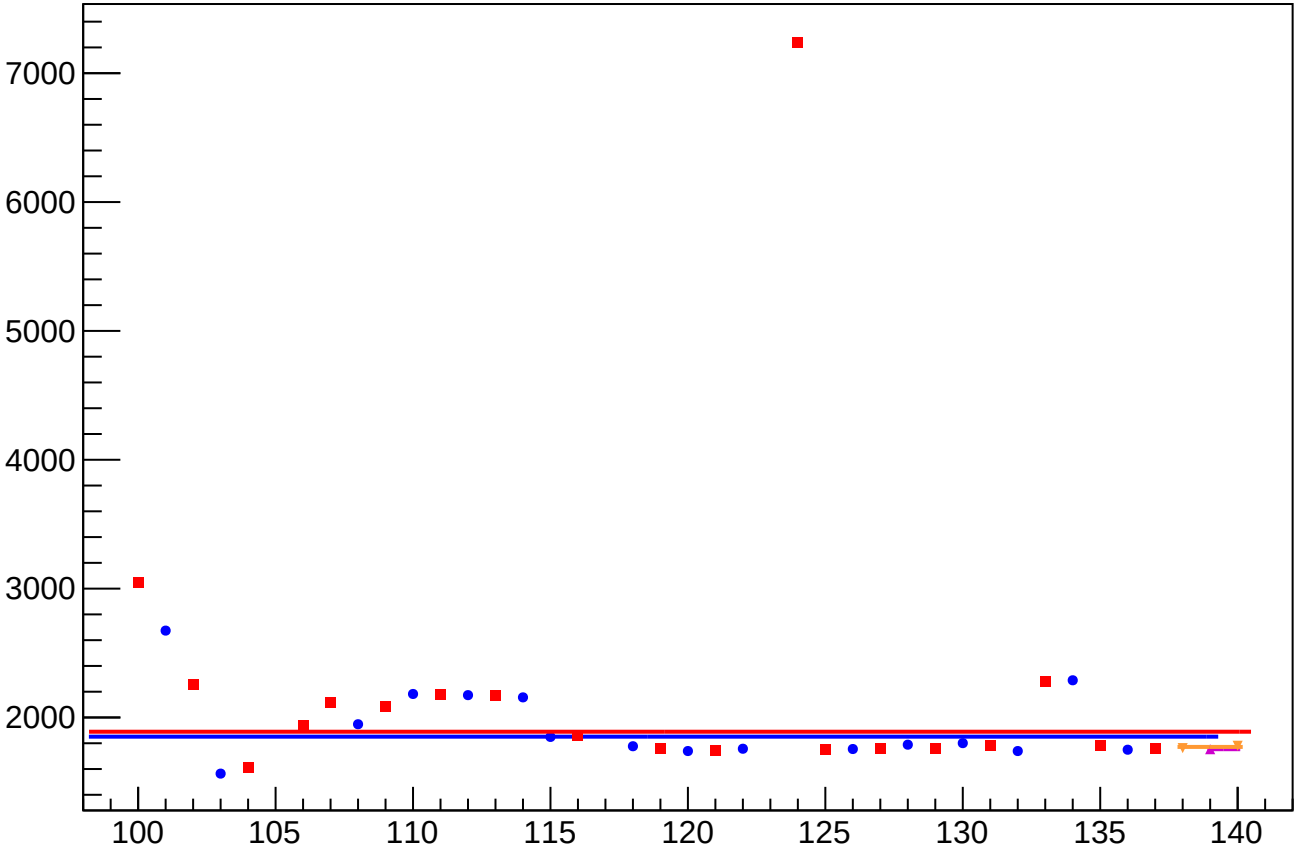
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1285.404+/-651.945 χ^2/NDF:12.6/16

Out: -9.527+/-629.435 χ^2/NDF:22.1/20

All: -625.059+/-452.827 χ^2/NDF: 36.7/37

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1771.539+/-0.983 χ^2/NDF:85.7/1

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1753.926+/-1.348 χ^2/NDF:0.0/0

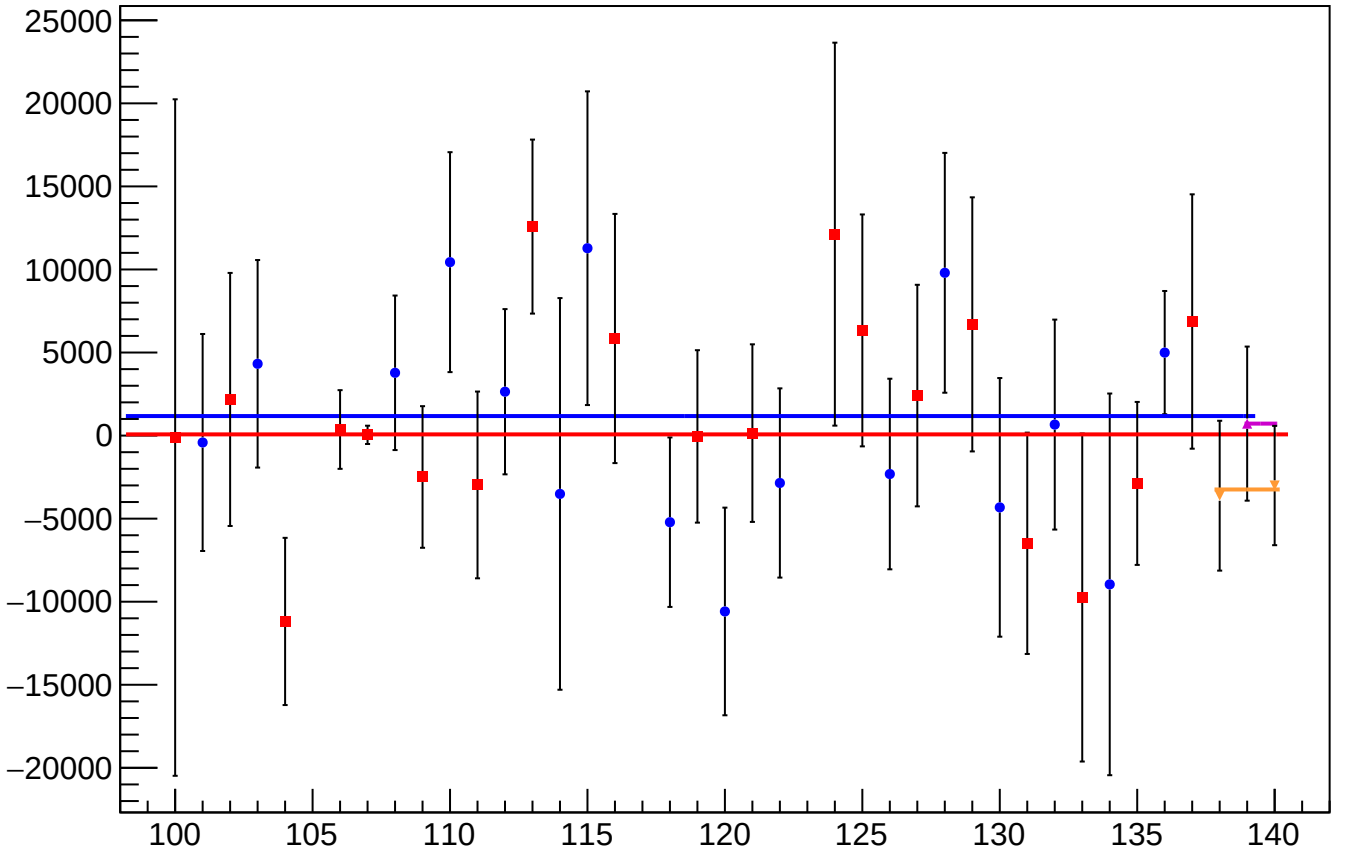
Left: 1765.423+/-0.794 χ^2/NDF: 197.2/2

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1839.761+/-0.461 χ^2/NDF:264573.8/16

Out: 1865.433+/-0.444 χ^2/NDF:370451.2/20

All: 1853.071+/-0.320 χ^2/NDF: 636632.9/37



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -3244.198+/-2809.305 χ^2/NDF:0.0/1

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: 720.334+/-4637.978 χ^2/NDF:0.0/0

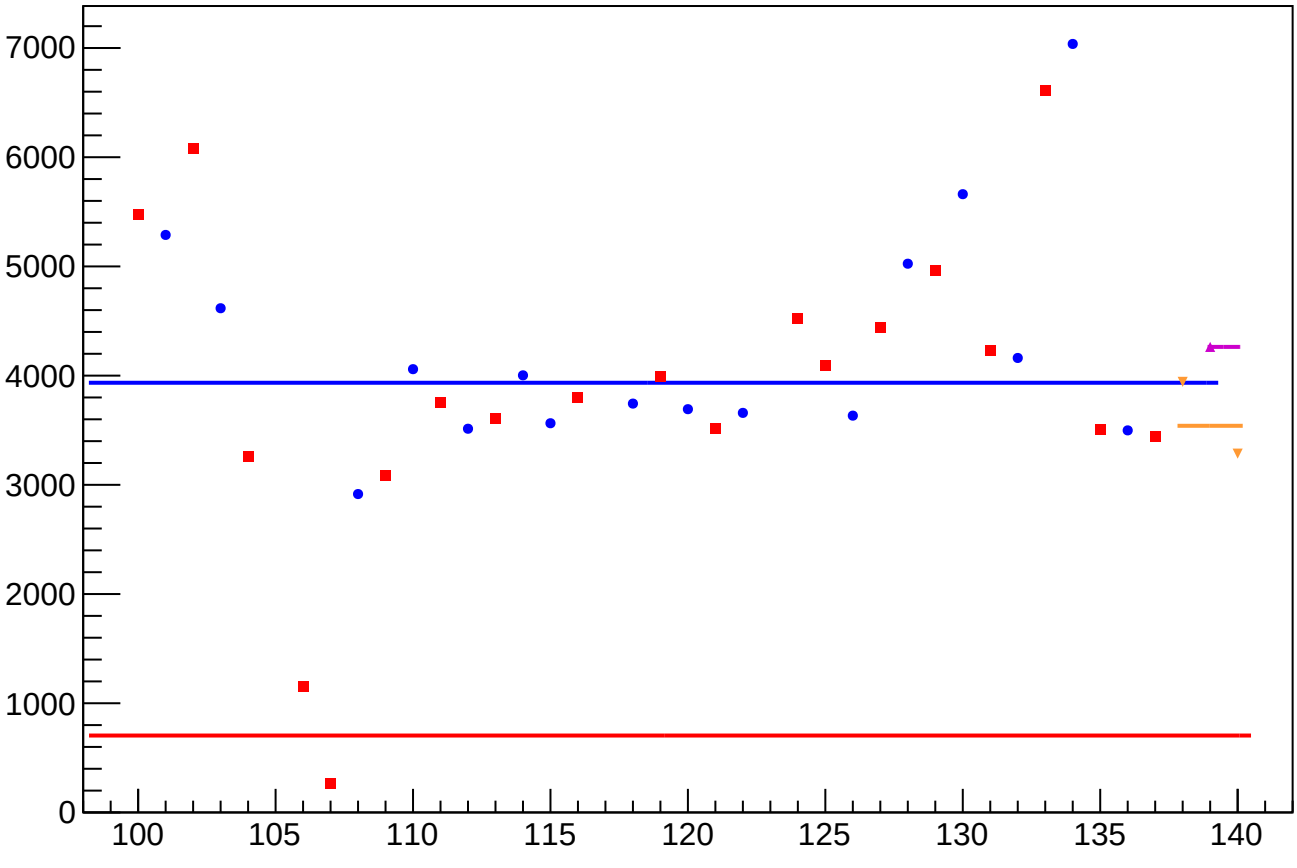
Left: -2180.061+/-2402.877 χ^2/NDF: 0.5/2

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 1132.225+/-1429.047 χ^2/NDF:13.7/16

Out: -31.420+/-497.694 χ^2/NDF:19.3/20

All: 94.453+/-470.006 χ^2/NDF: 33.6/37



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3540.622+/-1.986 χ^2/NDF:26001.0/1

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 4263.071+/-3.280 χ^2/NDF:0.0/0

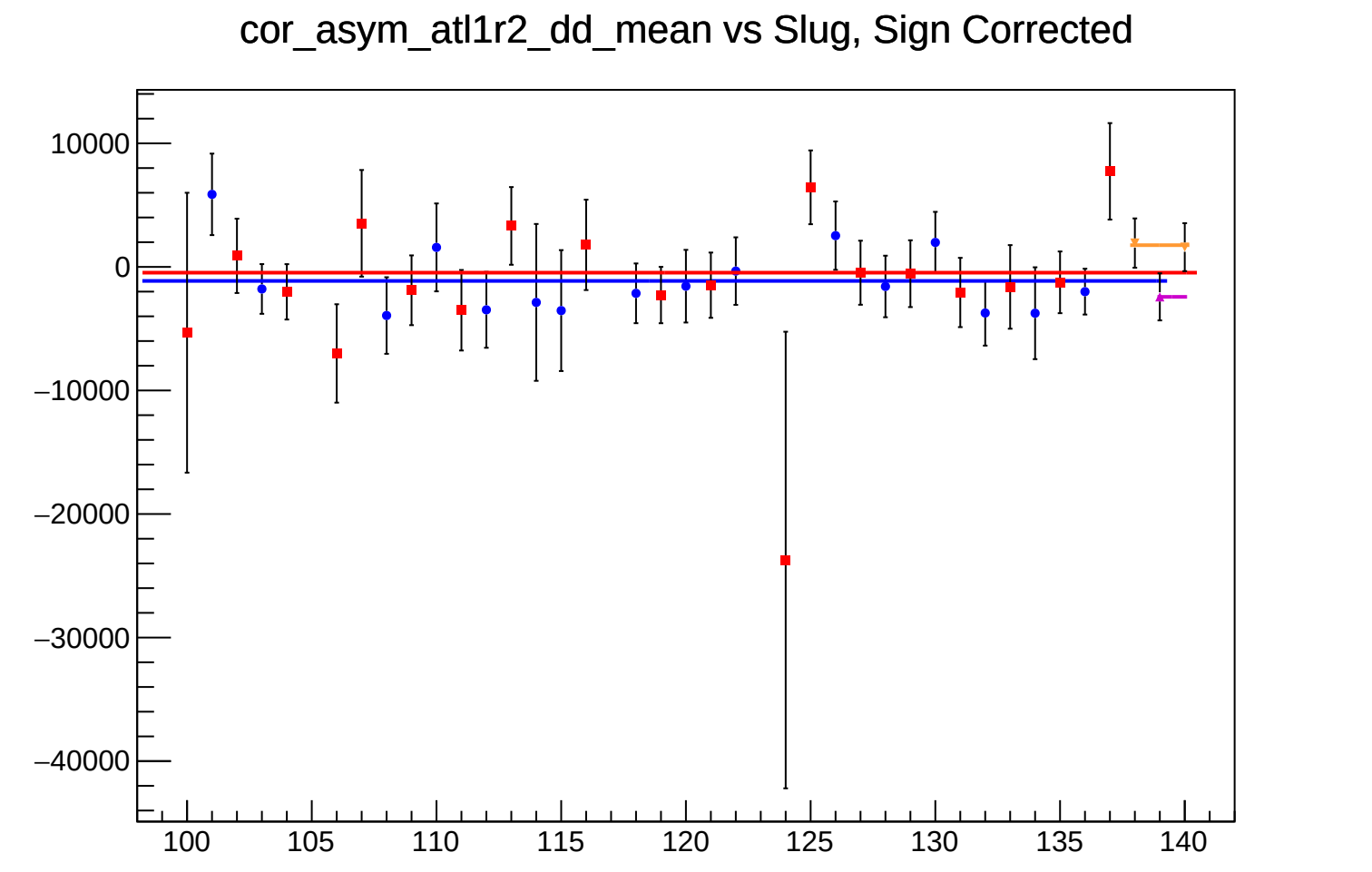
Left: 3734.538+/-1.699 χ^2/NDF: 61502.9/2

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3965.891+/-1.010 χ^2/NDF:569198.2/16

Out: 793.402+/-0.352 χ^2/NDF:12619194.4/20

All: 1136.575+/-0.332 χ^2/NDF: 21978996.2/3



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1759.128+/-1390.294 χ^2/NDF:0.0/1

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -2423.609+/-1906.245 χ^2/NDF:0.0/0

Left: 306.759+/-1123.277 χ^2/NDF: 3.2/2

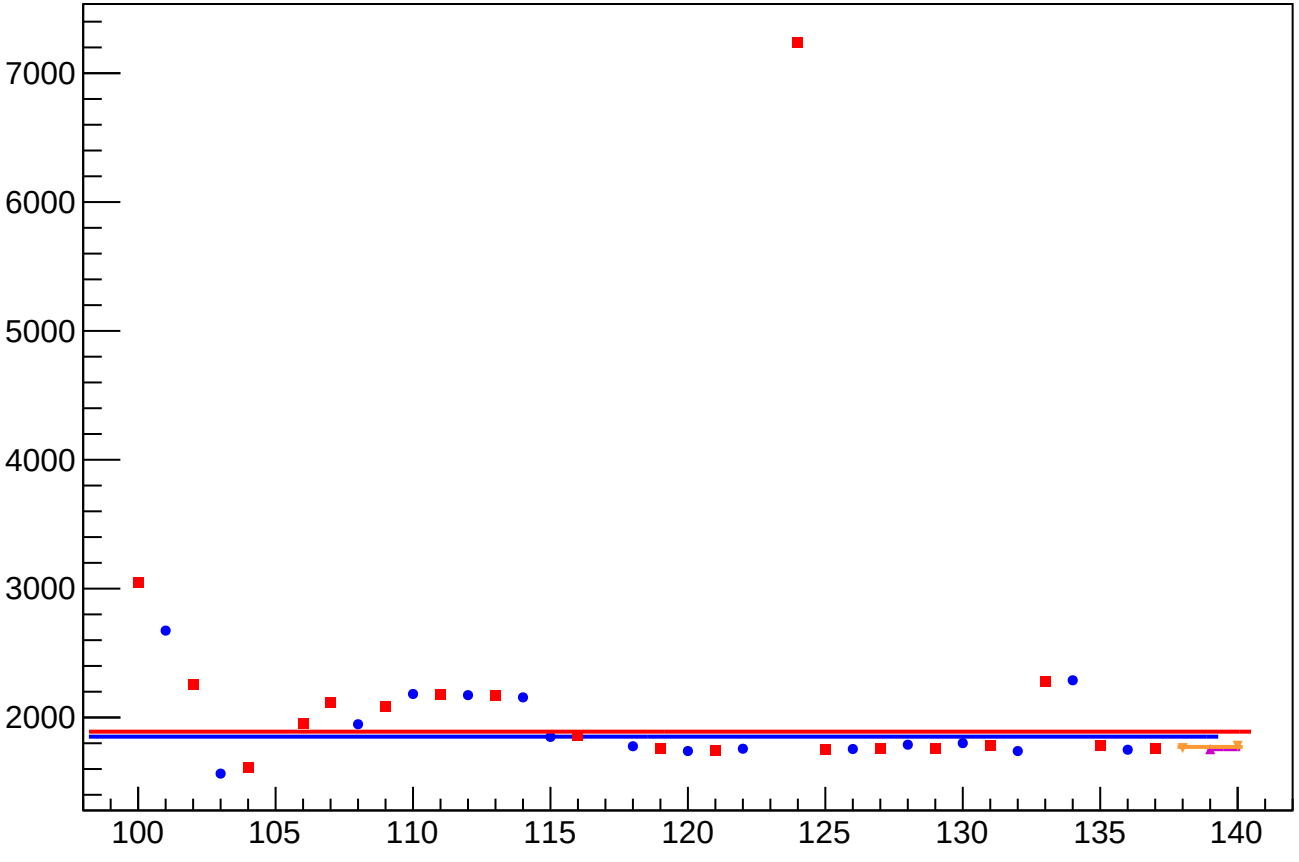
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1285.021+/-651.945 χ^2/NDF:12.6/16

Out: -9.835+/-629.436 χ^2/NDF:22.1/20

All: -625.035+/-452.827 χ^2/NDF: 36.7/37

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1771.539+/-0.983 χ^2/NDF:85.7/1

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1753.926+/-1.348 χ^2/NDF:0.0/0

Left: 1765.423+/-0.794 χ^2/NDF: 197.2/2

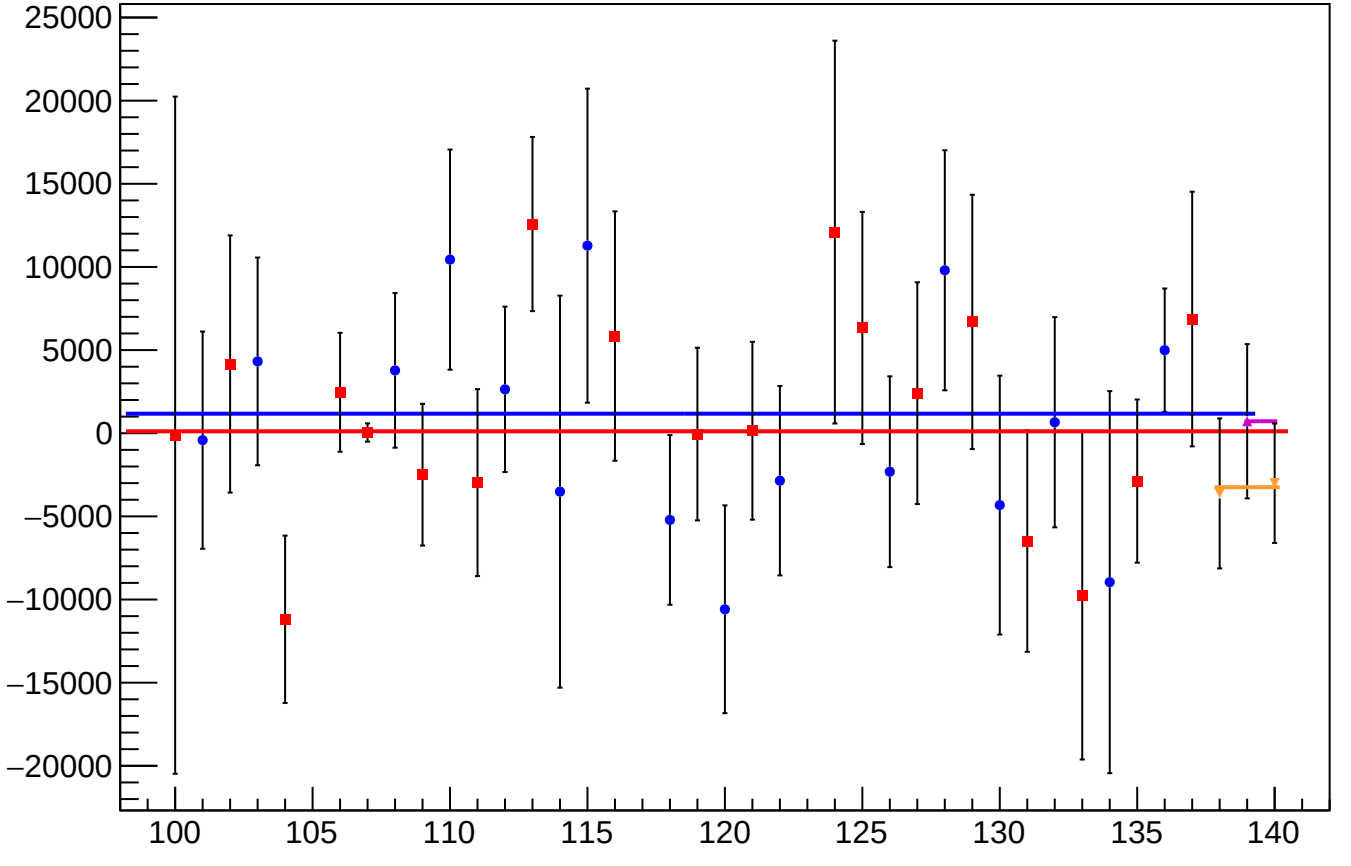
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1839.761+/-0.461 χ^2/NDF:264572.9/16

Out: 1865.789+/-0.444 χ^2/NDF:370759.0/20

All: 1853.254+/-0.320 χ^2/NDF: 636984.5/37

asym_atl1r2_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -3243.980+/-2809.295 χ^2/NDF:0.0/1

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 720.326+/-4637.969 χ^2/NDF:0.0/0

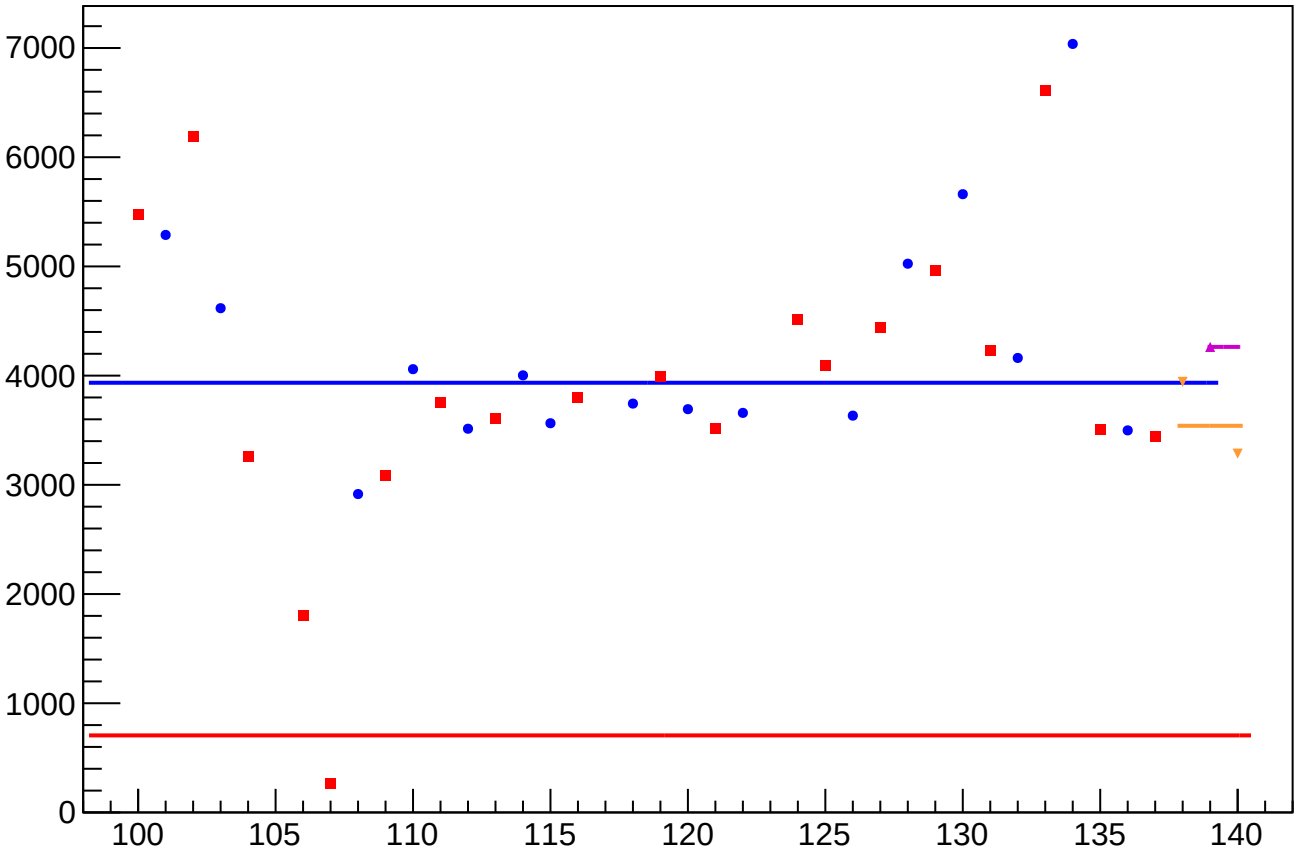
Left: -2179.906+/-2402.870 χ^2/NDF: 0.5/2

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 1132.203+/-1429.051 χ^2/NDF:13.7/16

Out: 7.785+/-503.978 χ^2/NDF:20.0/20

All: 132.163+/-475.287 χ^2/NDF: 34.2/37



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3540.608+/-1.986 χ^2/NDF:26001.1/1

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 4263.062+/-3.280 χ^2/NDF:0.0/0

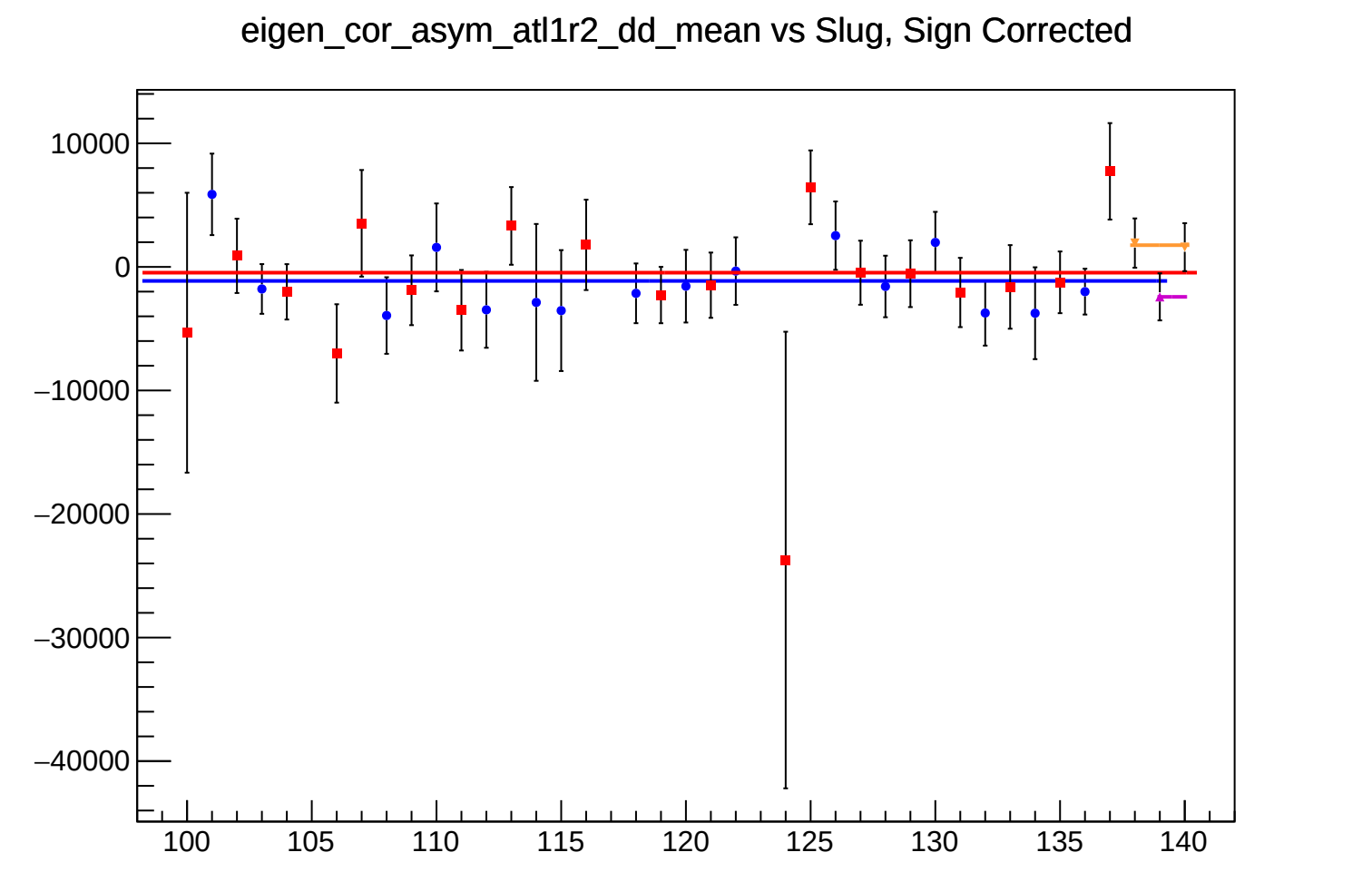
Left: 3734.524+/-1.699 χ^2/NDF: 61503.7/2

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3965.898+/-1.010 χ^2/NDF:569221.5/16

Out: 796.859+/-0.356 χ^2/NDF:12744409.2/20

All: 1147.405+/-0.336 χ^2/NDF: 22061030.5/3



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1759.128+/-1390.294 χ^2/NDF:0.0/1

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -2423.609+/-1906.245 χ^2/NDF:0.0/0

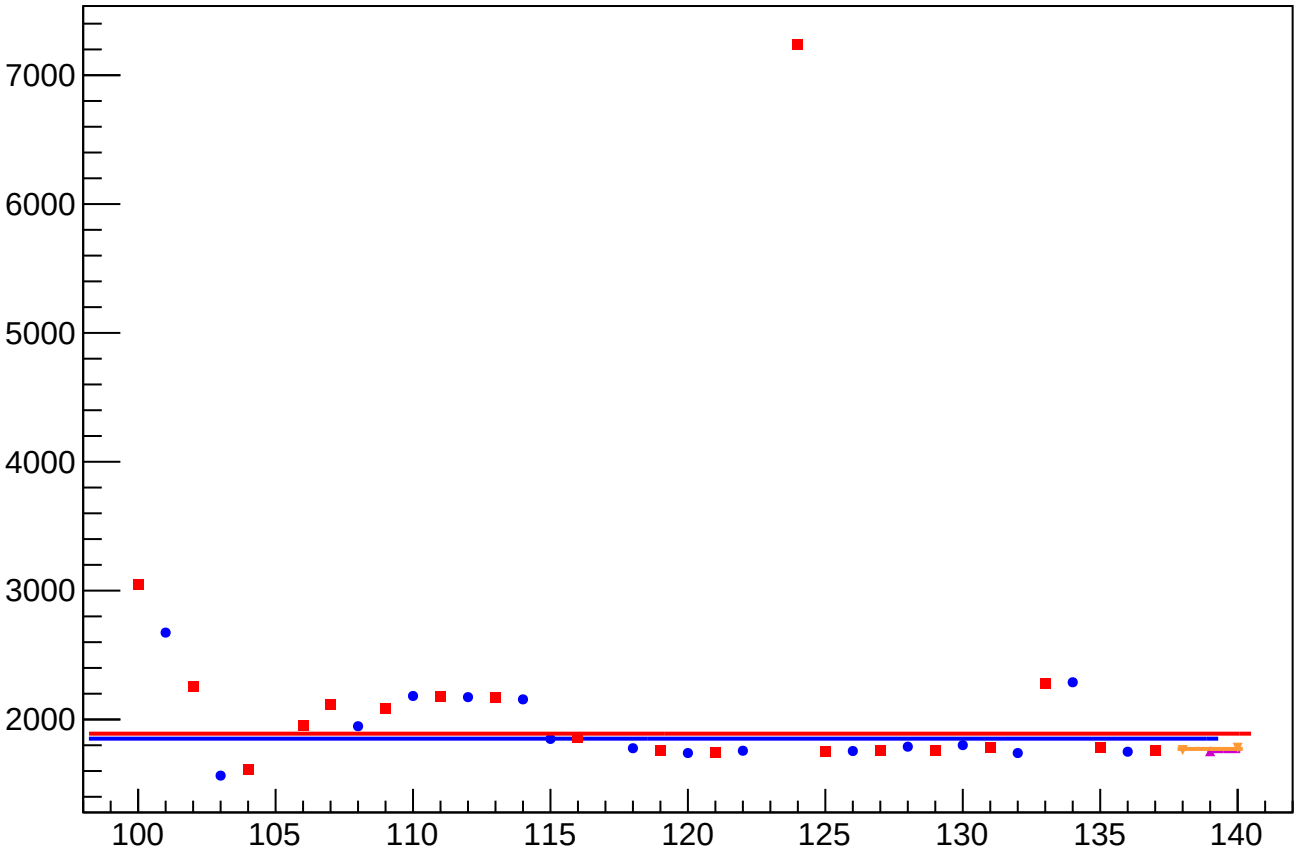
Left: 306.759+/-1123.277 χ^2/NDF: 3.2/2

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1285.021+/-651.945 χ^2/NDF:12.6/16

Out: -9.835+/-629.436 χ^2/NDF:22.1/20

All: -625.035+/-452.827 χ^2/NDF: 36.7/37



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1771.539+/-0.983 χ^2/NDF:85.7/1

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1753.926+/-1.348 χ^2/NDF:0.0/0

Left: 1765.423+/-0.794 χ^2/NDF: 197.2/2

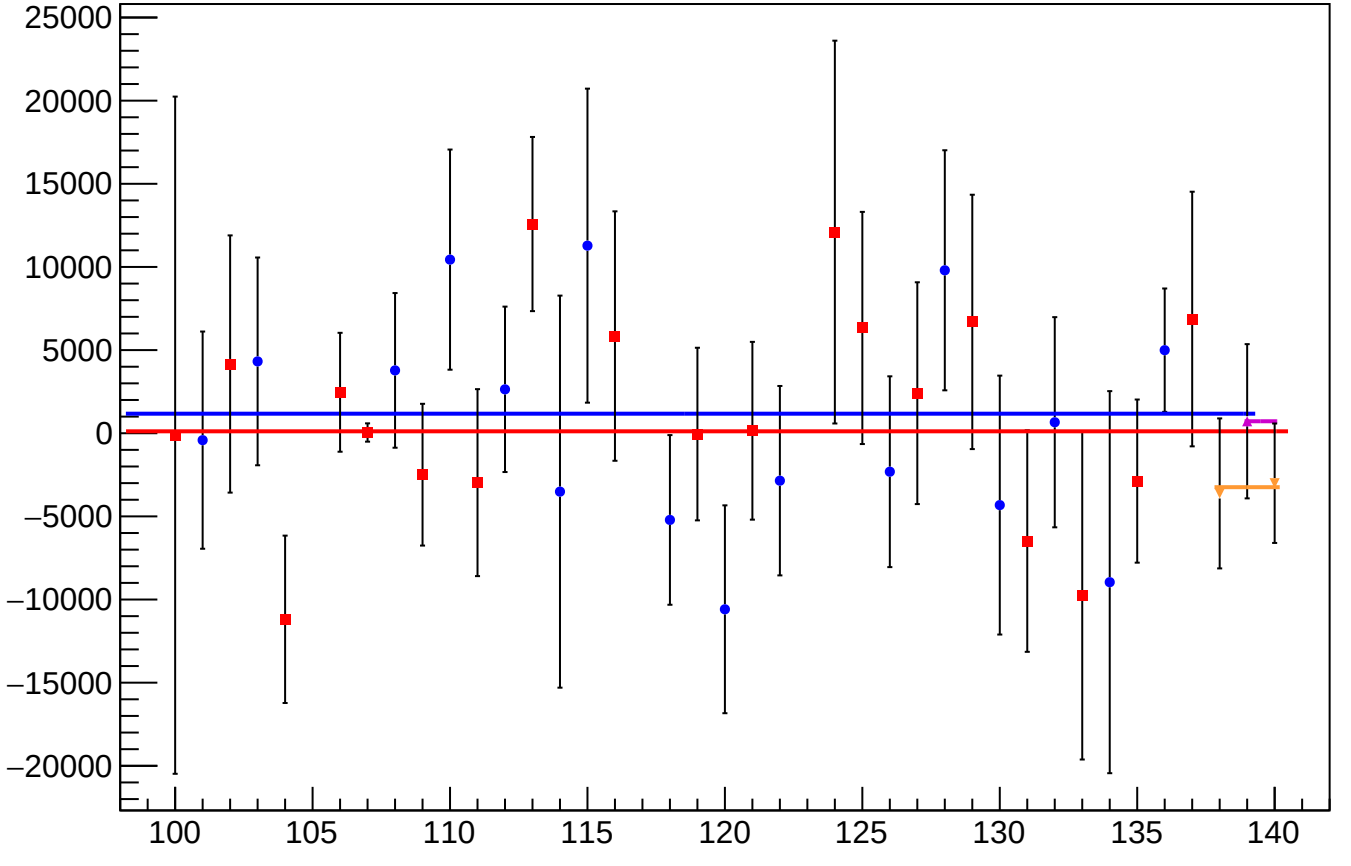
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1839.761+/-0.461 χ^2/NDF:264572.9/16

Out: 1865.789+/-0.444 χ^2/NDF:370759.0/20

All: 1853.254+/-0.320 χ^2/NDF: 636984.5/37

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -3243.980+/-2809.295 χ^2/NDF:0.0/1

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 720.326+/-4637.969 χ^2/NDF:0.0/0

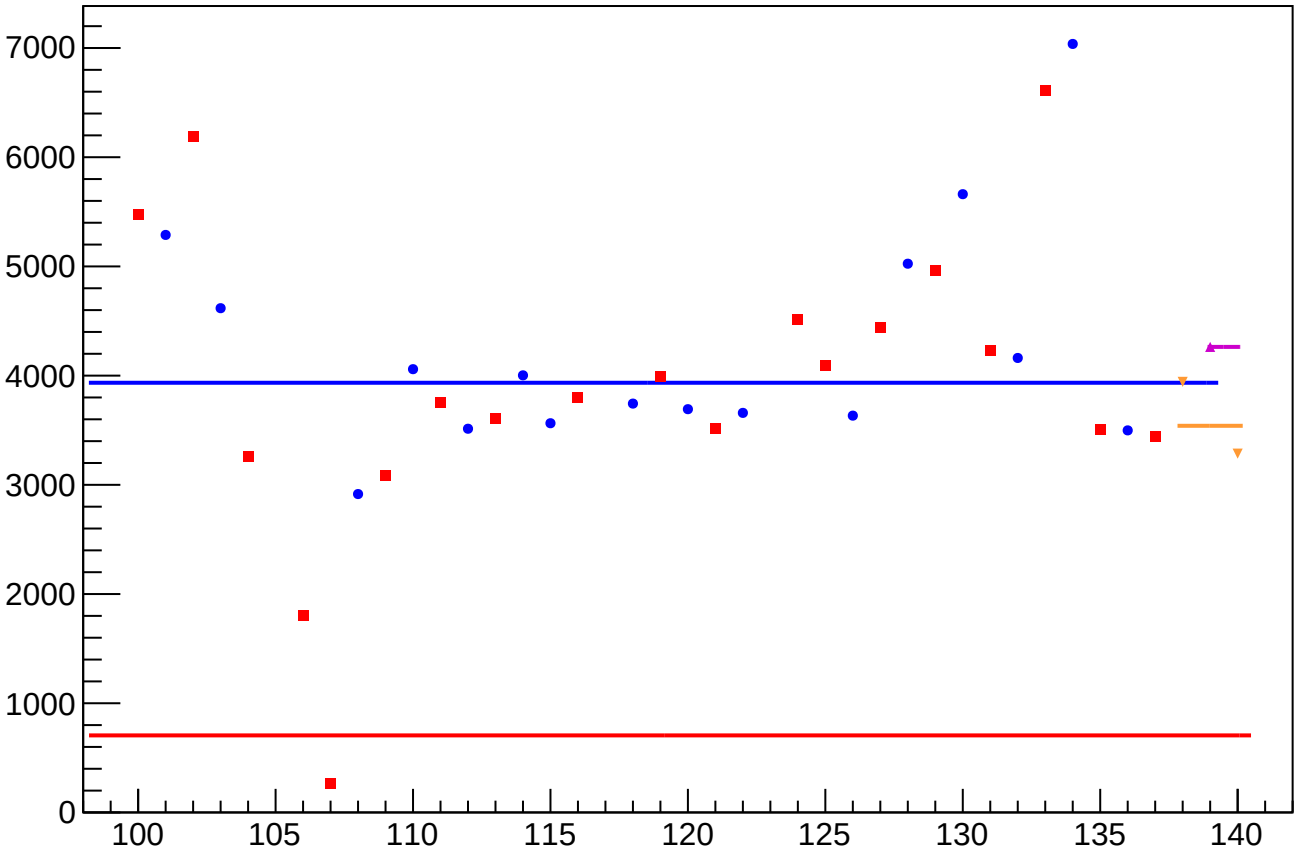
Left: -2179.906+/-2402.870 χ^2/NDF: 0.5/2

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 1132.203+/-1429.051 χ^2/NDF:13.7/16

Out: 7.785+/-503.978 χ^2/NDF:20.0/20

All: 132.163+/-475.287 χ^2/NDF: 34.2/37



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3540.608+/-1.986 χ^2/NDF:26001.1/1

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 4263.062+/-3.280 χ^2/NDF:0.0/0

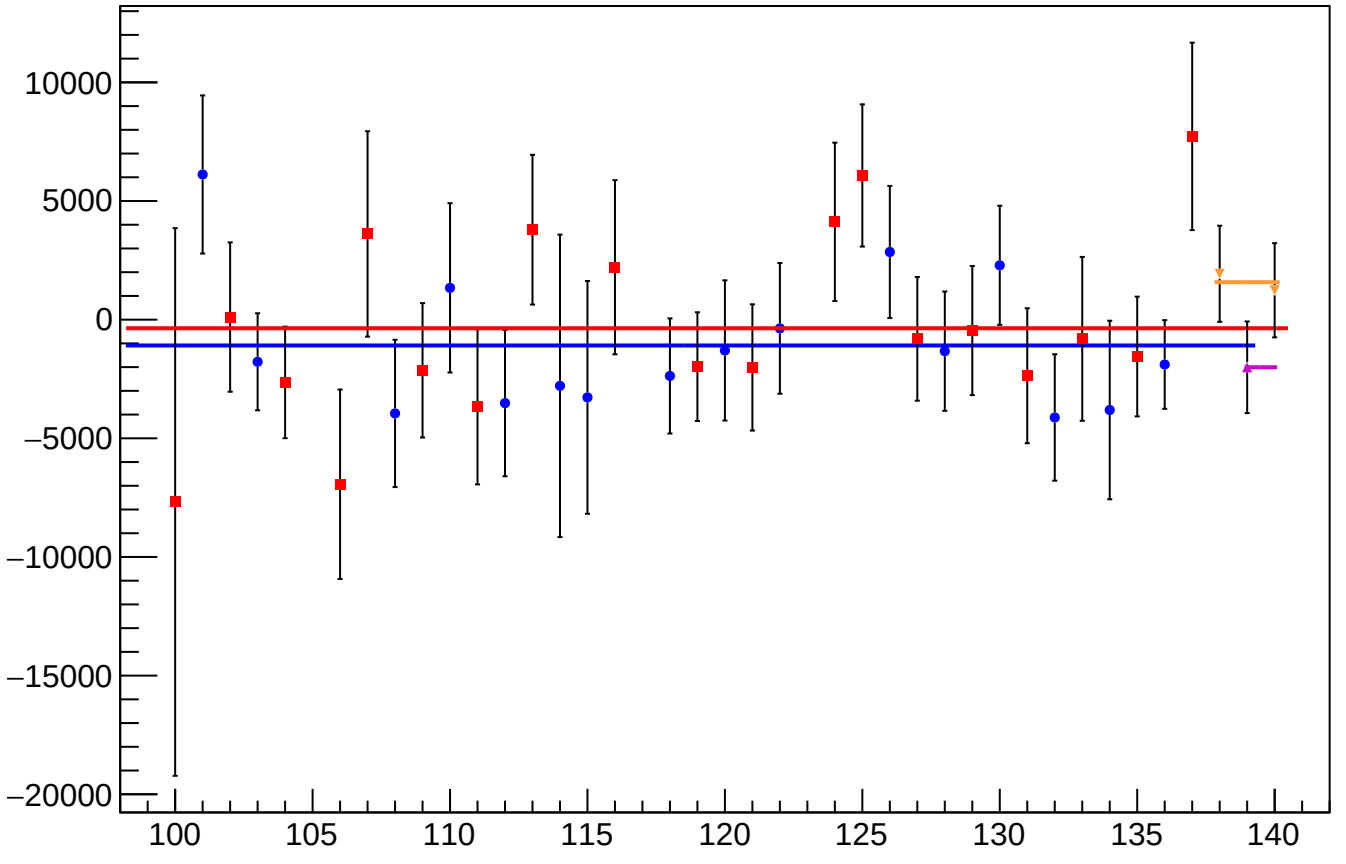
Left: 3734.524+/-1.699 χ^2/NDF: 61503.7/2

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3965.898+/-1.010 χ^2/NDF:569221.5/16

Out: 796.859+/-0.356 χ^2/NDF:12744409.2/20

All: 1147.405+/-0.336 χ^2/NDF: 22061030.5/3



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1579.108+/-1417.805 χ^2/NDF:0.1/1

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -2006.533+/-1930.691 χ^2/NDF:0.0/0

Left: 322.908+/-1142.770 χ^2/NDF: 2.3/2

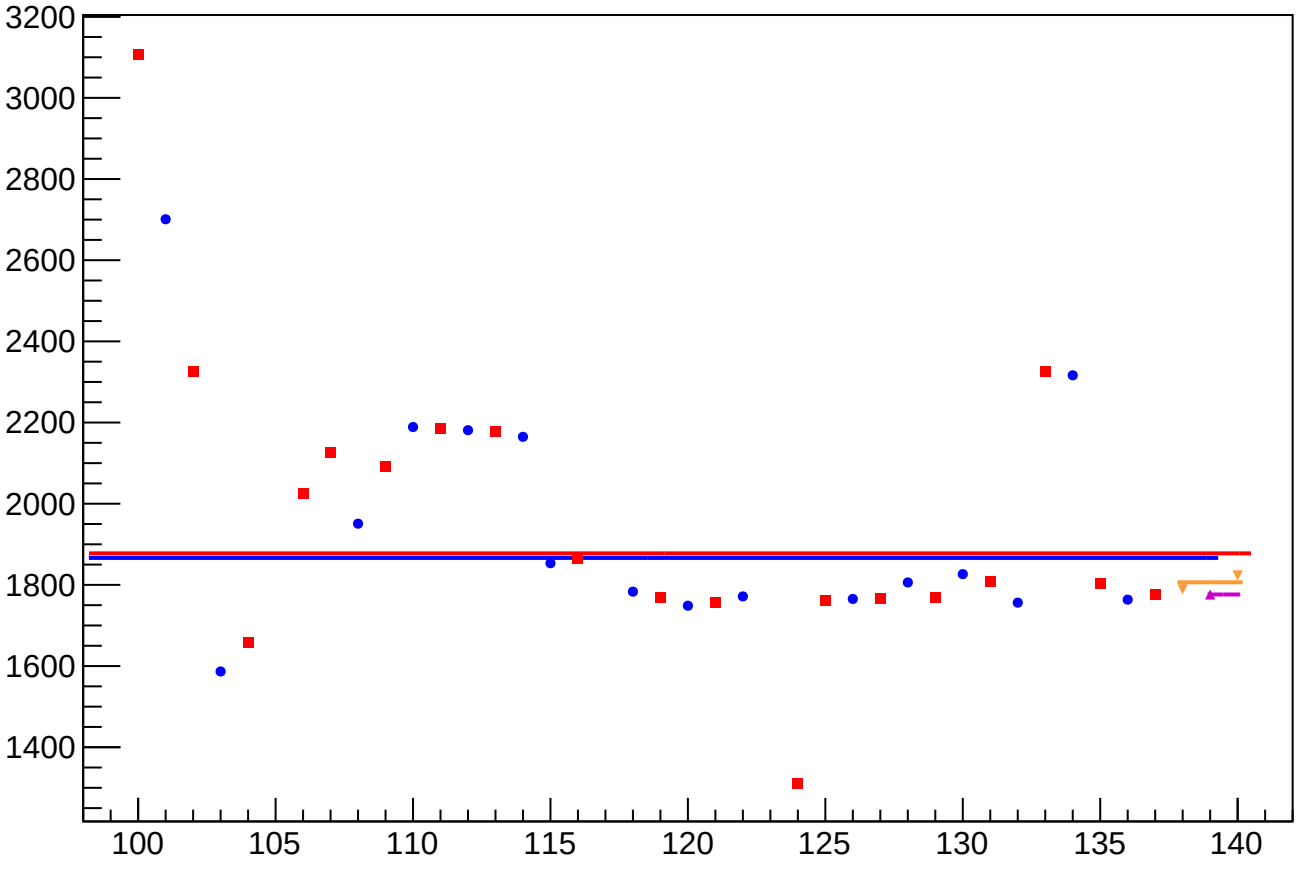
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1194.365+/-657.732 χ^2/NDF:13.4/16

Out: 18.767+/-627.426 χ^2/NDF:22.4/20

All: -559.207+/-453.993 χ^2/NDF: 37.6/37

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1806.398+/-1.003 χ^2/NDF:293.2/1

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1776.322+/-1.365 χ^2/NDF:0.0/0

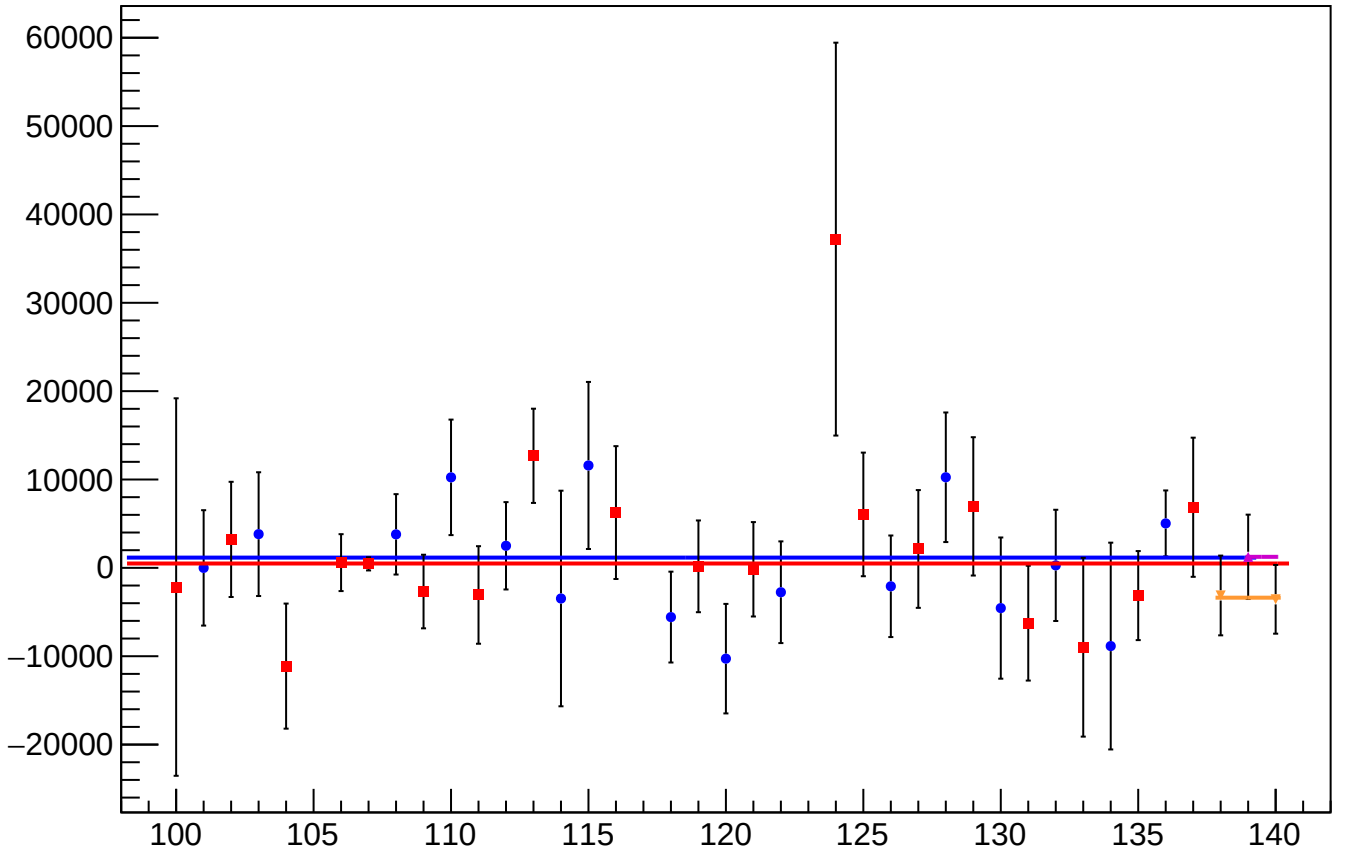
Left: 1795.861+/-0.808 χ^2/NDF: 608.6/2

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1855.995+/-0.465 χ^2/NDF:260115.5/16

Out: 1863.722+/-0.443 χ^2/NDF:256208.0/20

All: 1860.043+/-0.321 χ^2/NDF: 516468.0/37



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -3374.684+/-2945.823 χ^2/NDF:0.0/1

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: 1248.920+/-4773.852 χ^2/NDF:0.0/0

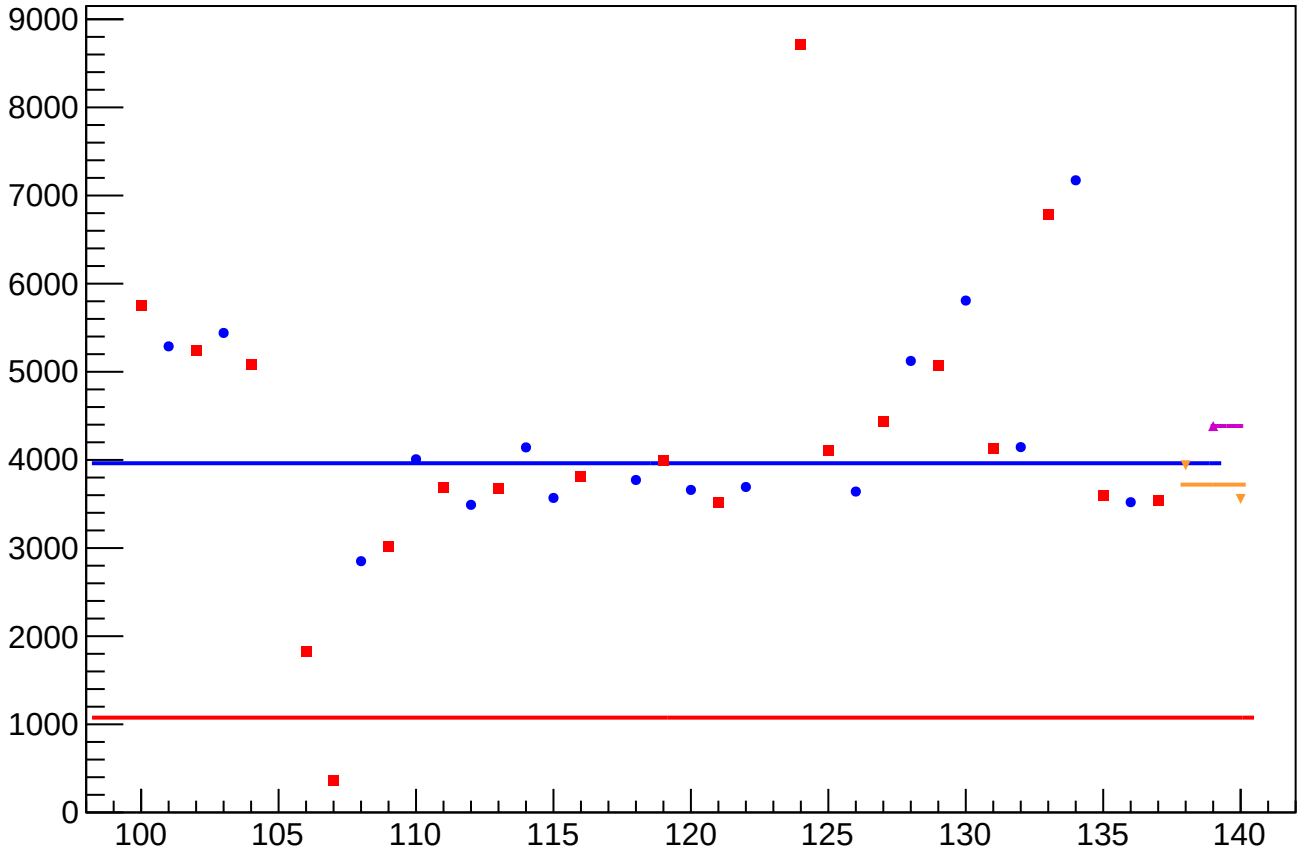
Left: -2099.623+/-2506.942 χ^2/NDF: 0.7/2

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 1169.130+/-1441.624 χ^2/NDF:13.7/16

Out: 308.840+/-642.649 χ^2/NDF:18.6/20

All: 451.457+/-586.969 χ^2/NDF: 32.5/37



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3719.814+/-2.083 χ^2/NDF:8215.5/1

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 4384.692+/-3.376 χ^2/NDF:0.0/0

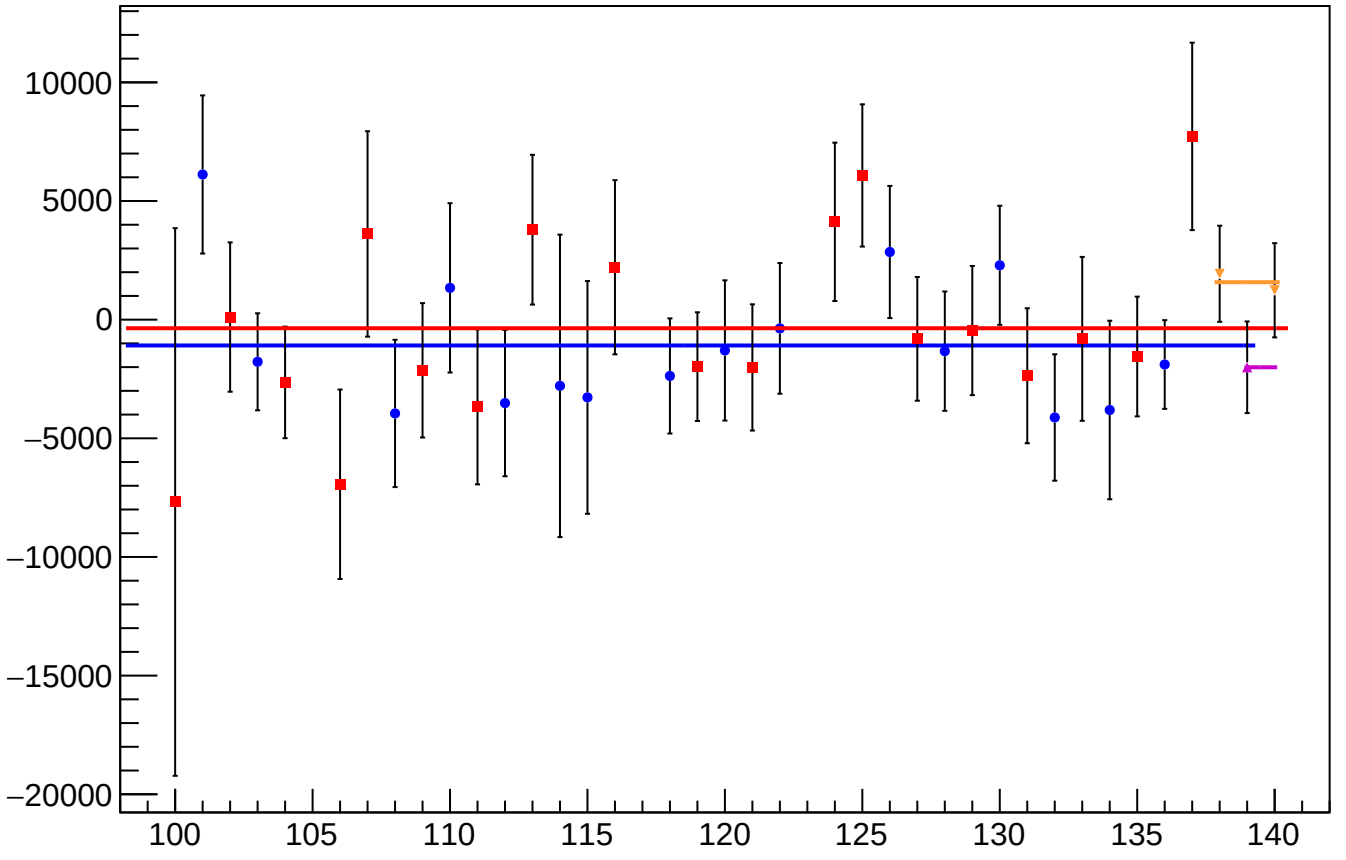
Left: 3903.169+/-1.773 χ^2/NDF: 36312.0/2

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 4000.881+/-1.019 χ^2/NDF:682564.7/16

Out: 1201.784+/-0.454 χ^2/NDF:11100907.1/20

All: 1665.812+/-0.415 χ^2/NDF: 18073372.5/3



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1579.113+/-1417.805 χ^2/NDF:0.1/1

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -2006.498+/-1930.692 χ^2/NDF:0.0/0

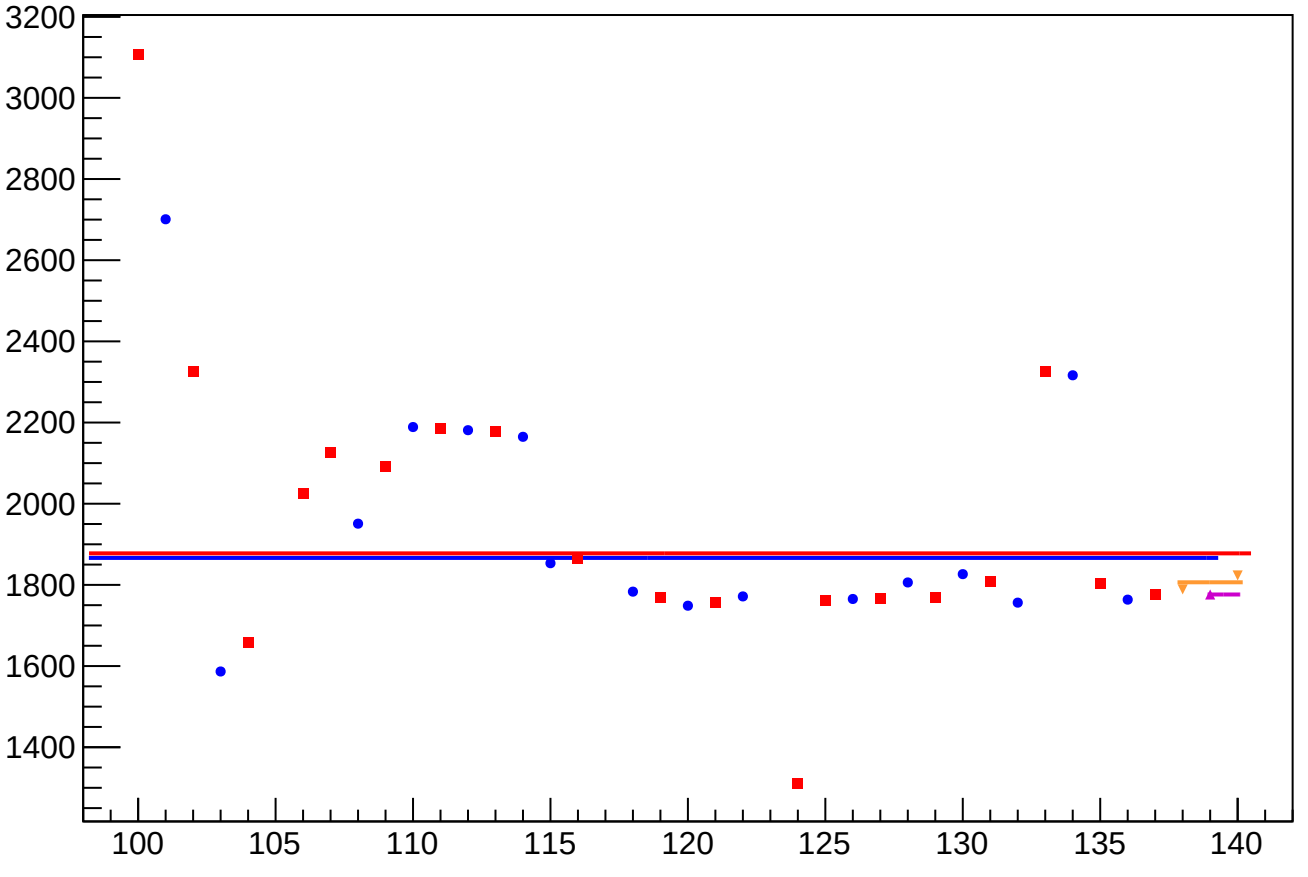
Left: 322.924+/-1142.771 χ^2/NDF: 2.3/2

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1194.365+/-657.732 χ^2/NDF:13.4/16

Out: 18.764+/-627.426 χ^2/NDF:22.4/20

All: -559.209+/-453.993 χ^2/NDF: 37.6/37



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1806.398+/-1.003 χ^2/NDF:293.2/1

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1776.322+/-1.365 χ^2/NDF:0.0/0

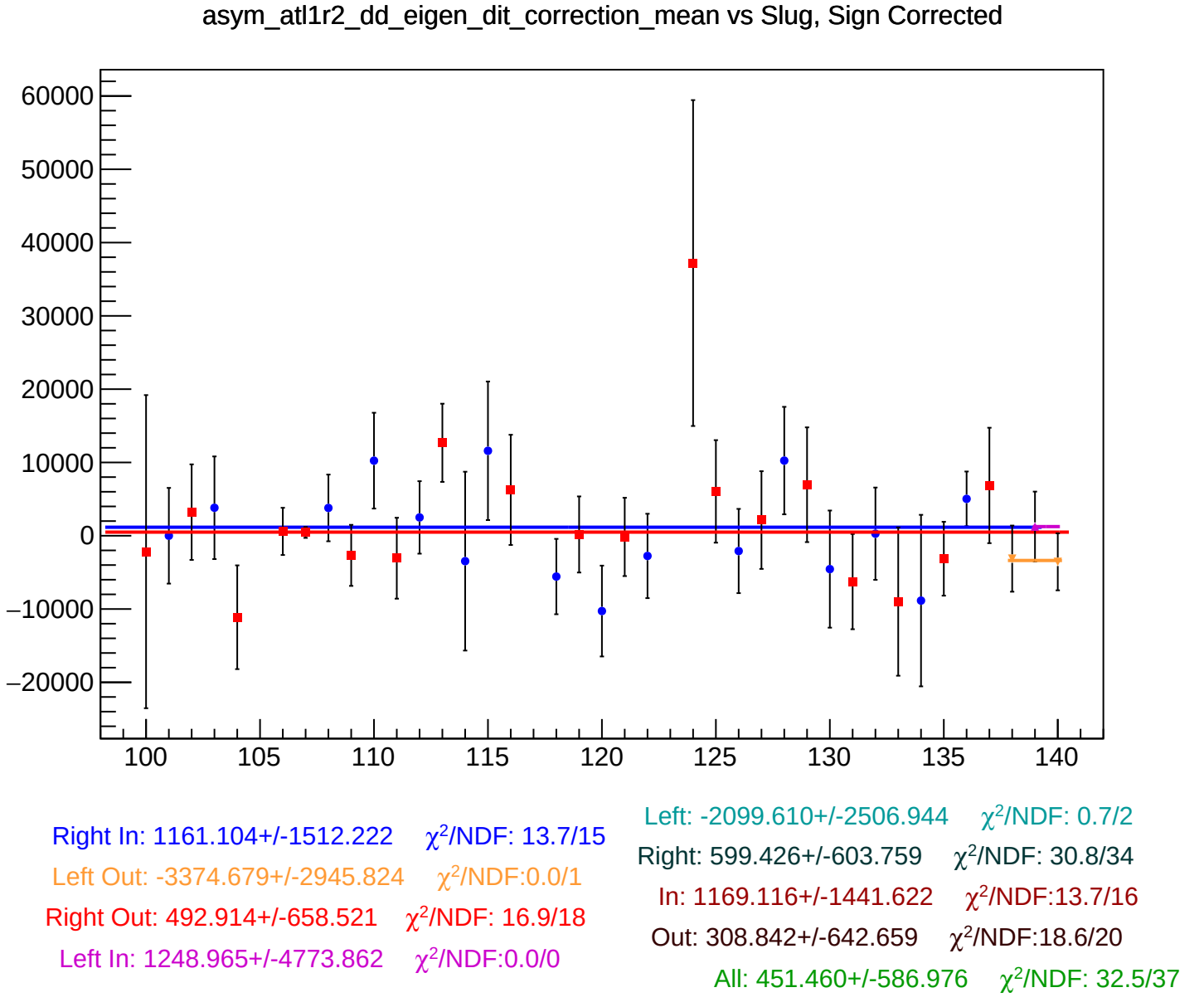
Left: 1795.862+/-0.808 χ^2/NDF: 608.5/2

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

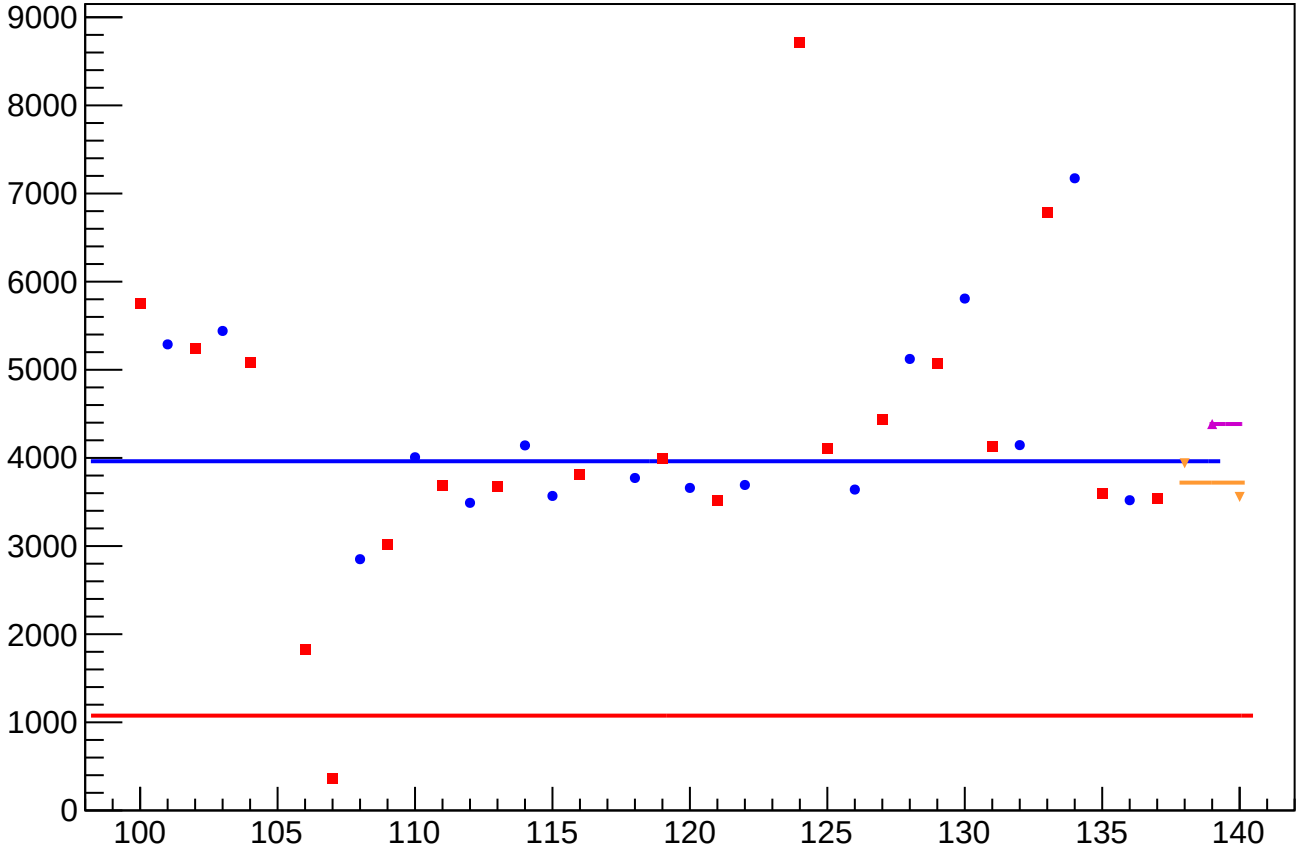
In: 1855.995+/-0.465 χ^2/NDF:260115.3/16

Out: 1863.722+/-0.443 χ^2/NDF:256208.2/20

All: 1860.043+/-0.321 χ^2/NDF: 516468.1/37


asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
Right In: 1161.104+/-1512.222 χ²/NDF: 13.7/15
Left Out: -3374.679+/-2945.824 χ²/NDF:0.0/1
Right Out: 492.914+/-658.521 χ²/NDF: 16.9/18
Left In: 1248.965+/-4773.862 χ²/NDF:0.0/0
Left: -2099.610+/-2506.944 χ²/NDF: 0.7/2
Right: 599.426+/-603.759 χ²/NDF: 30.8/34
In: 1169.116+/-1441.622 χ²/NDF:13.7/16
Out: 308.842+/-642.659 χ²/NDF:18.6/20
All: 451.460+/-586.976 χ²/NDF: 32.5/37

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3719.816+/-2.083 χ^2/NDF:8215.8/1

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 4384.702+/-3.376 χ^2/NDF:0.0/0

Left: 3903.172+/-1.773 χ^2/NDF: 36312.8/2

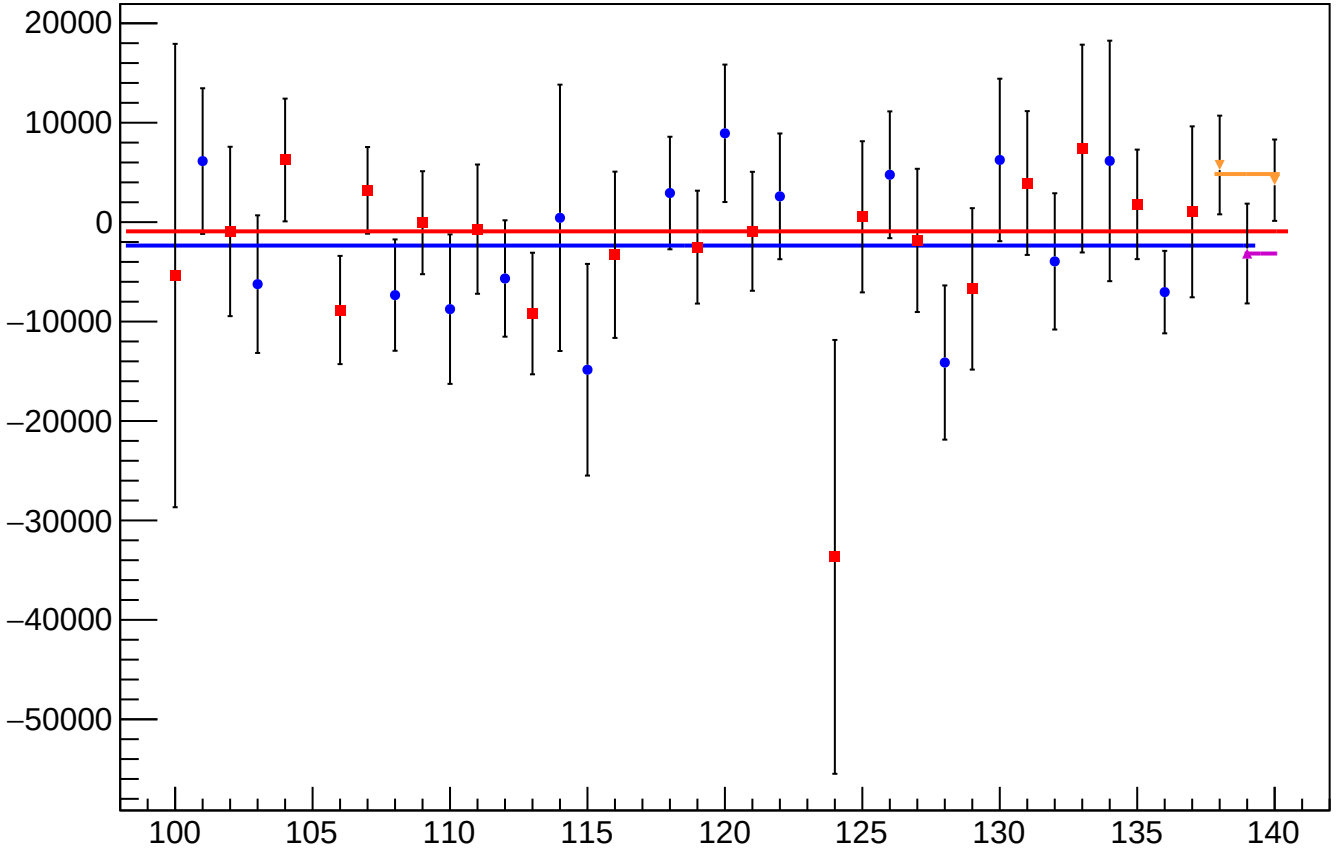
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 4000.876+/-1.019 χ^2/NDF:682562.1/16

Out: 1201.817+/-0.454 χ^2/NDF:11100740.1/20

All: 1665.852+/-0.415 χ^2/NDF: 18073012.4/3

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 4837.999+/-3156.411 χ^2/NDF:0.1/1

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: -3156.766+/-5017.234 χ^2/NDF:0.0/0

Left: 2571.029+/-2671.680 χ^2/NDF: 1.9/2

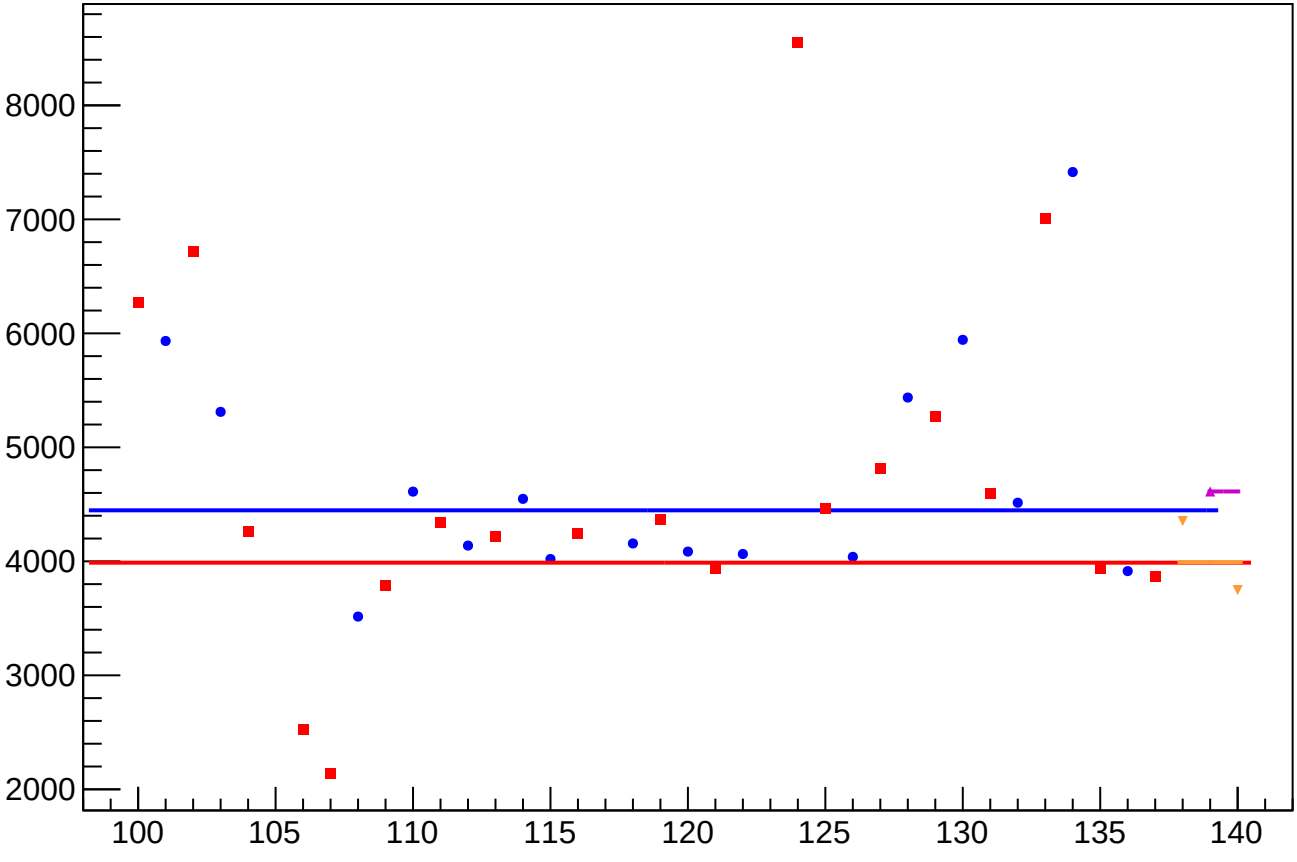
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -2436.113+/-1597.141 χ^2/NDF:15.6/16

Out: 191.166+/-1389.048 χ^2/NDF:13.3/20

All: -940.276+/-1048.109 χ^2/NDF: 30.5/37

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3992.800+/-2.232 χ^2/NDF:17714.3/1

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4612.937+/-3.548 χ^2/NDF:0.0/0

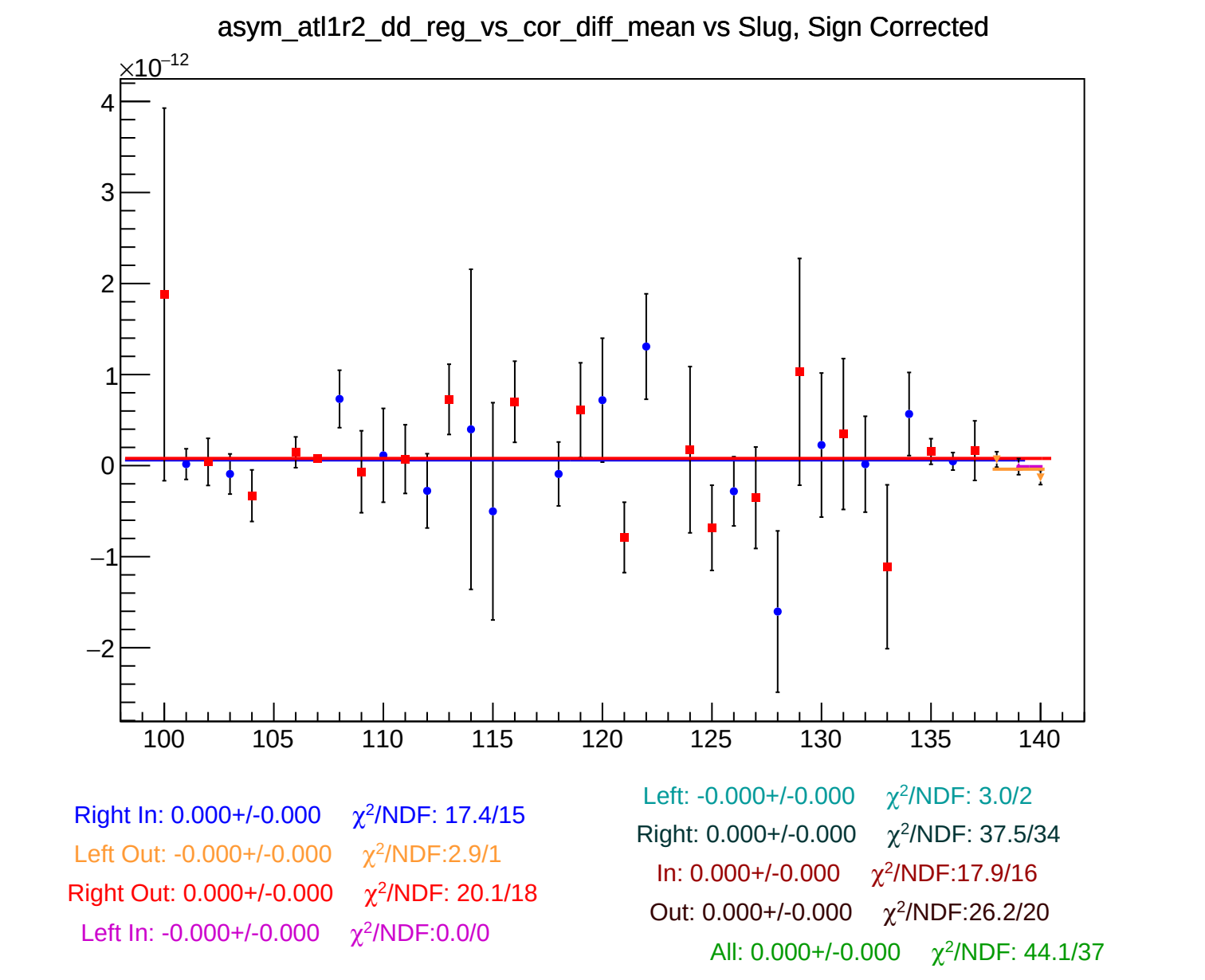
Left: 4168.644+/-1.889 χ^2/NDF: 39605.0/2

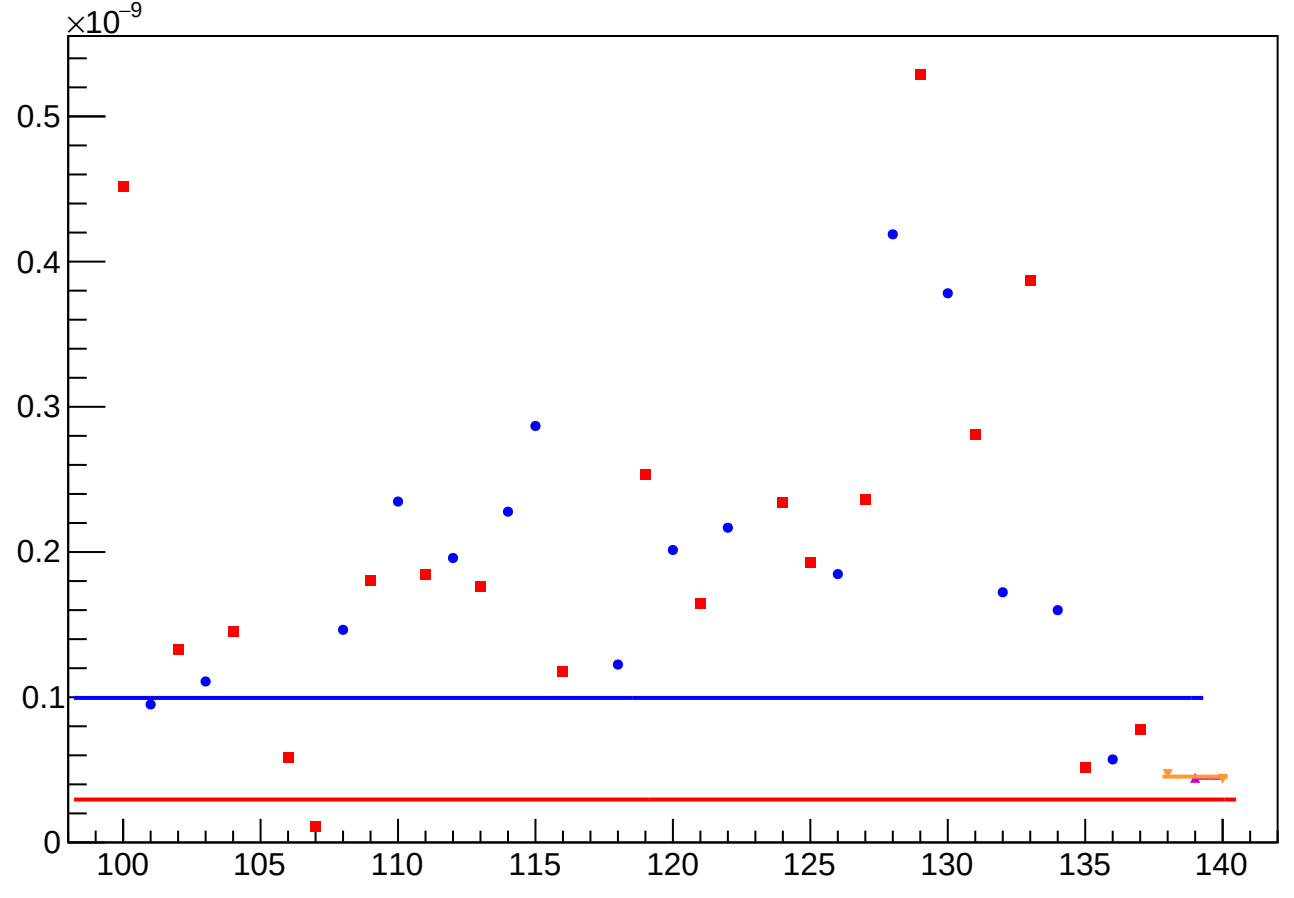
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4464.196+/-1.129 χ^2/NDF:460207.2/16

Out: 3989.116+/-0.974 χ^2/NDF:1161650.1/20

All: 4191.837+/-0.738 χ^2/NDF: 1723307.3/37


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:2.9/1
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: -0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 3.0/2
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:17.9/16
Out: 0.000+/-0.000 χ²/NDF:26.2/20
All: 0.000+/-0.000 χ²/NDF: 44.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1703.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 1817.7/2

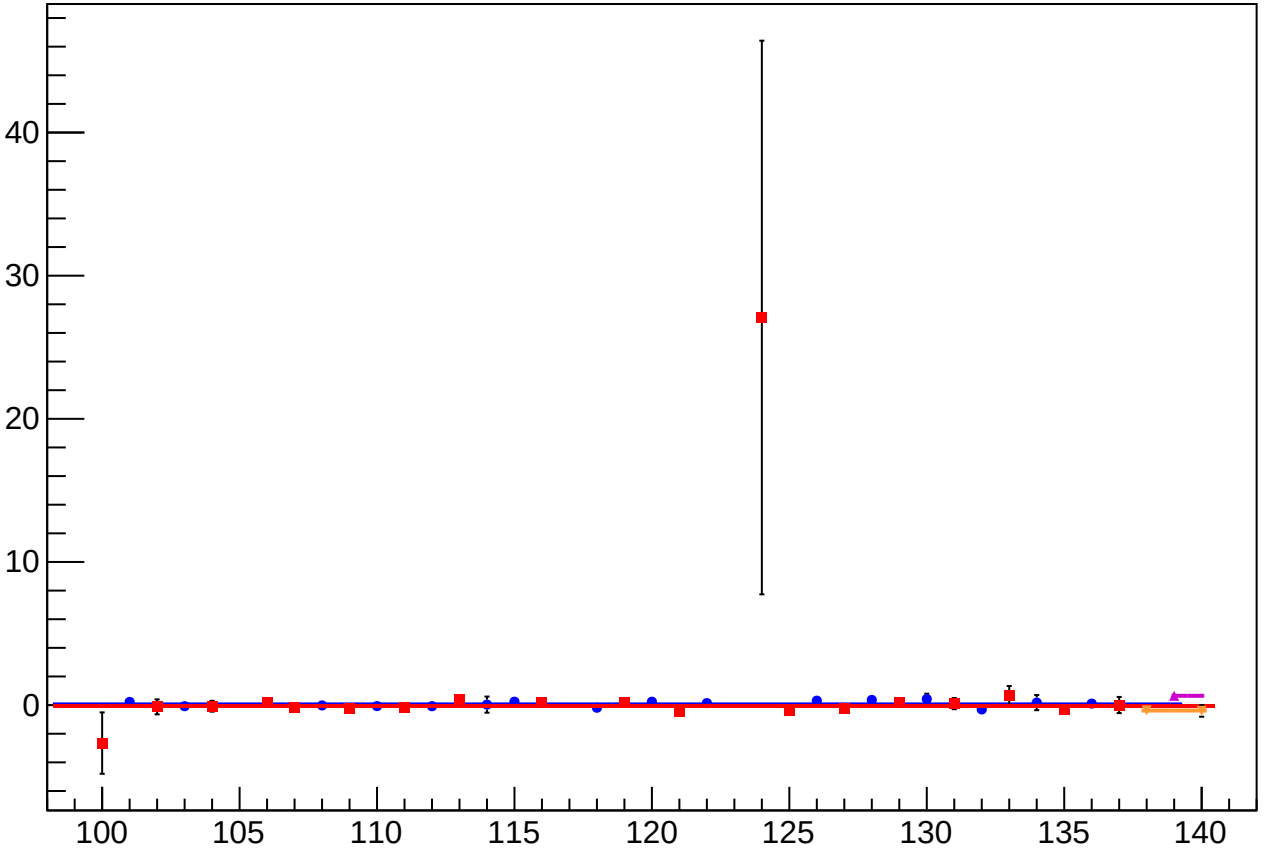
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2048685.9/16

Out: 0.000+/-0.000 χ^2/NDF:4477939.8/20

All: 0.000+/-0.000 χ^2/NDF: 7636020.6/37

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.381+/-0.247 χ^2/NDF:0.0/1

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.650+/-0.239 χ^2/NDF:0.0/0

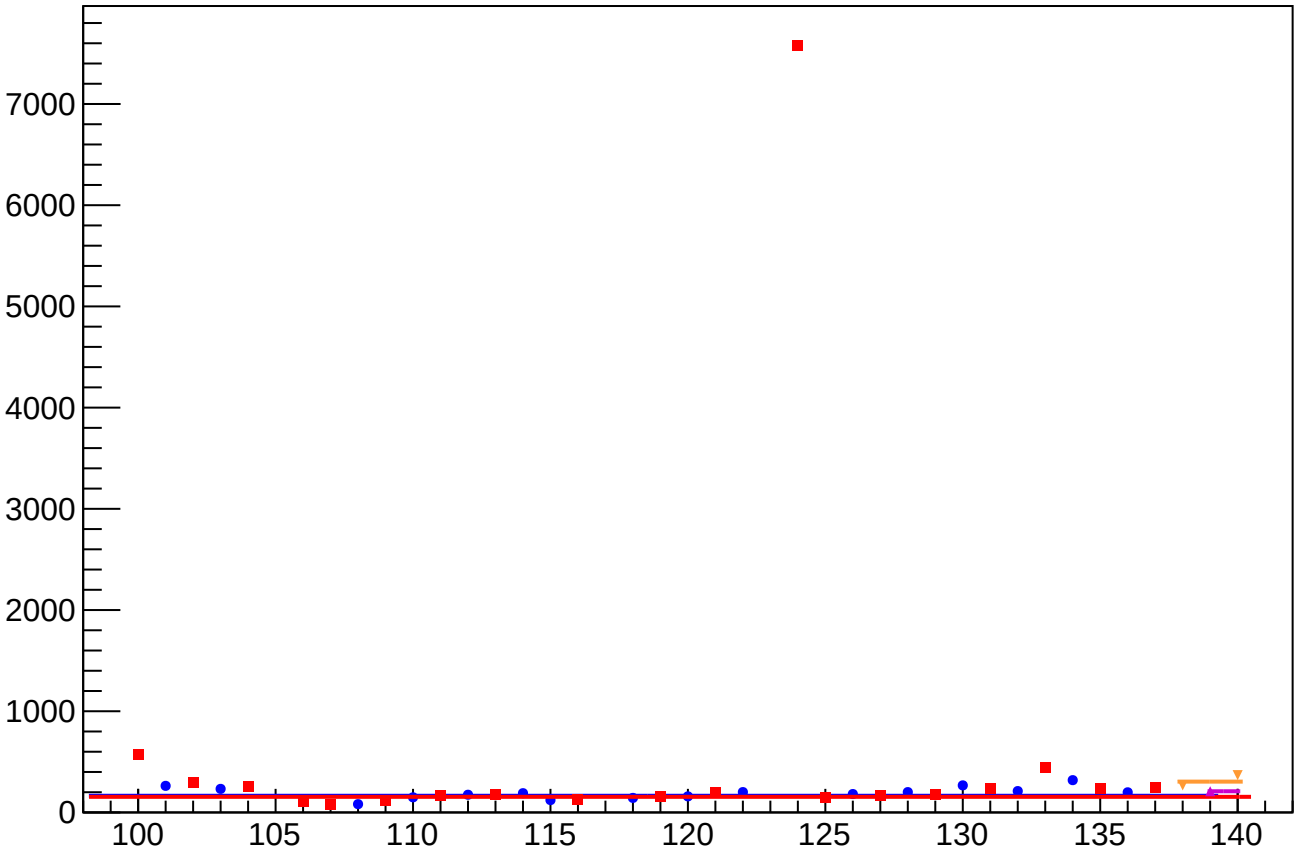
Left: 0.151+/-0.172 χ^2/NDF: 9.0/2

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.091+/-0.064 χ^2/NDF:13.5/16

Out: -0.082+/-0.062 χ^2/NDF:20.0/20

All: 0.002+/-0.045 χ^2/NDF: 37.2/37



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 304.685+/-0.175 χ^2/NDF:78435.1/1

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 209.390+/-0.169 χ^2/NDF:0.0/0

Left: 255.508+/-0.121 χ^2/NDF: 232094.3/2

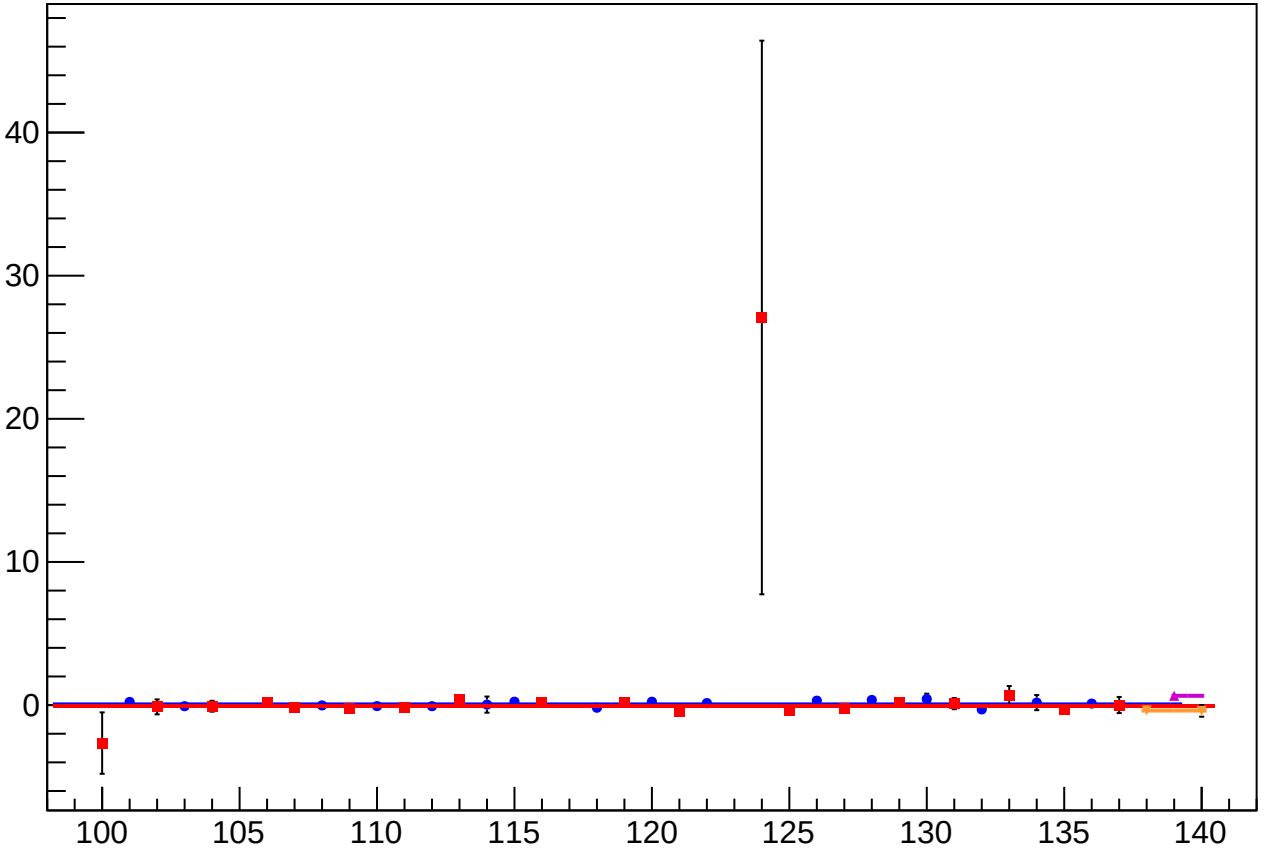
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 168.049+/-0.045 χ^2/NDF:1539078.6/16

Out: 163.958+/-0.044 χ^2/NDF:2693273.4/20

All: 165.949+/-0.032 χ^2/NDF: 4236548.4/37

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.381+/-0.247 χ^2/NDF:0.0/1

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.650+/-0.239 χ^2/NDF:0.0/0

Left: 0.151+/-0.172 χ^2/NDF: 9.0/2

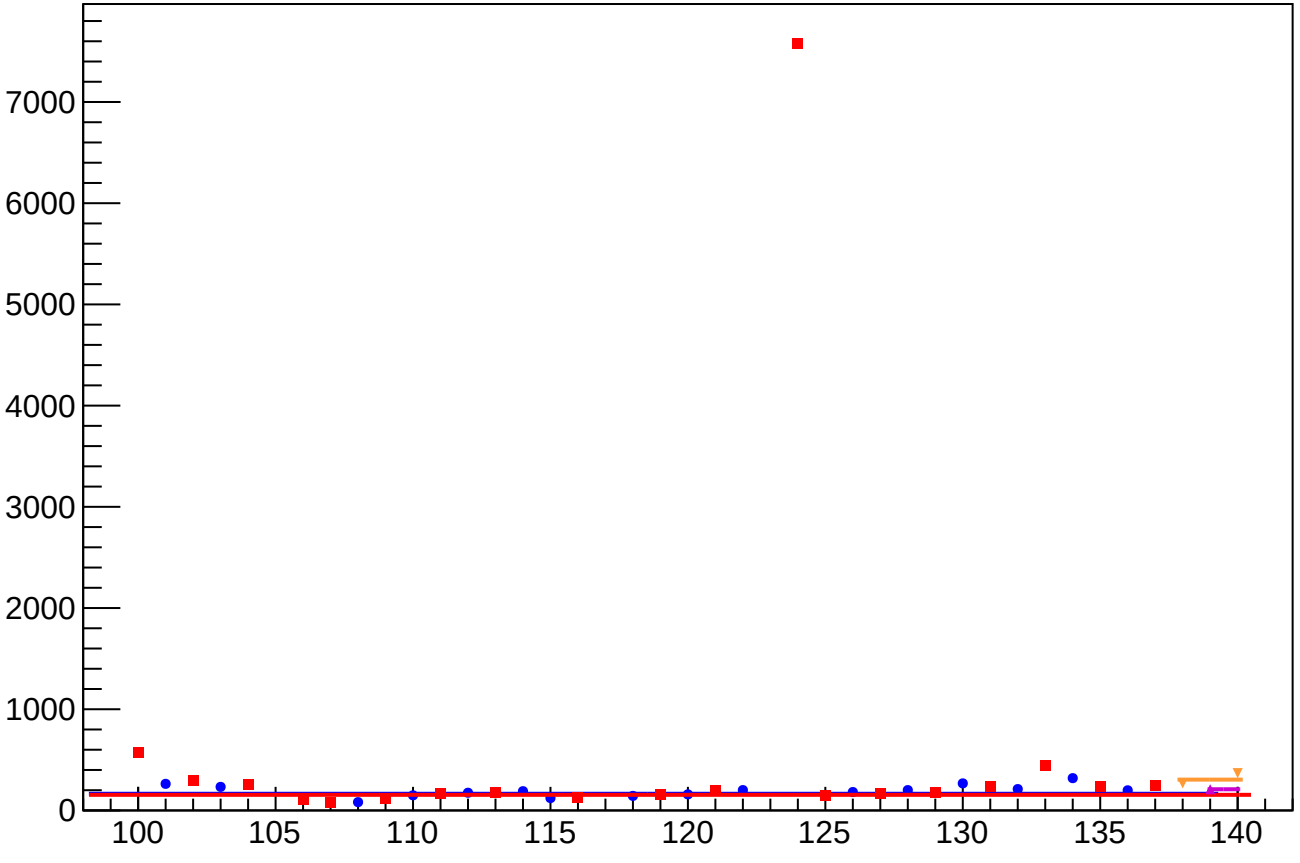
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.091+/-0.064 χ^2/NDF:13.5/16

Out: -0.082+/-0.062 χ^2/NDF:20.0/20

All: 0.002+/-0.045 χ^2/NDF: 37.2/37

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 304.685+/-0.175 χ^2/NDF:78435.1/1

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 209.390+/-0.169 χ^2/NDF:0.0/0

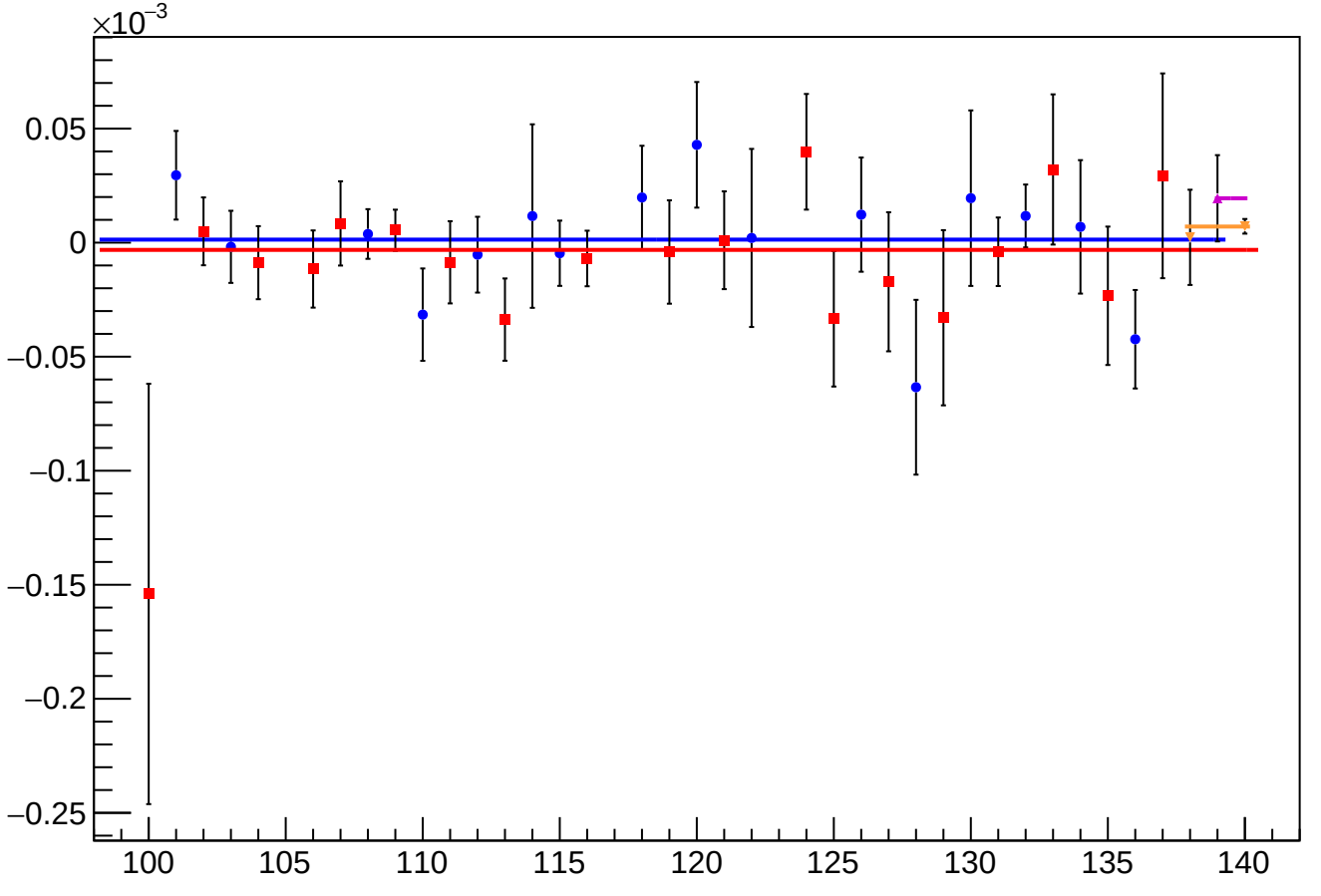
Left: 255.508+/-0.121 χ^2/NDF: 232094.3/2

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 168.049+/-0.045 χ^2/NDF:1539078.6/16

Out: 163.958+/-0.044 χ^2/NDF:2693273.4/20

All: 165.949+/-0.032 χ^2/NDF: 4236548.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

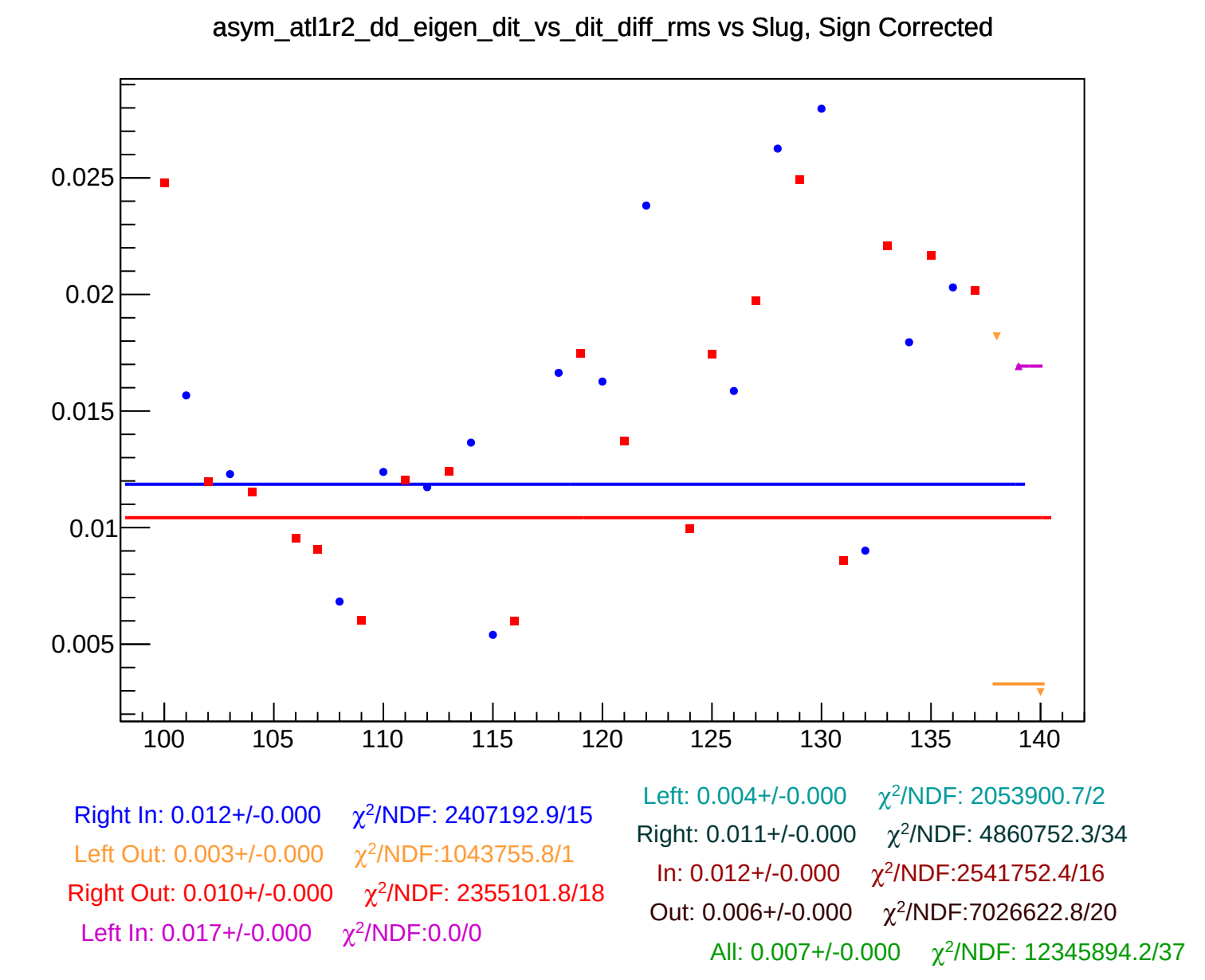
Left: 0.000+/-0.000 χ^2/NDF: 0.5/2

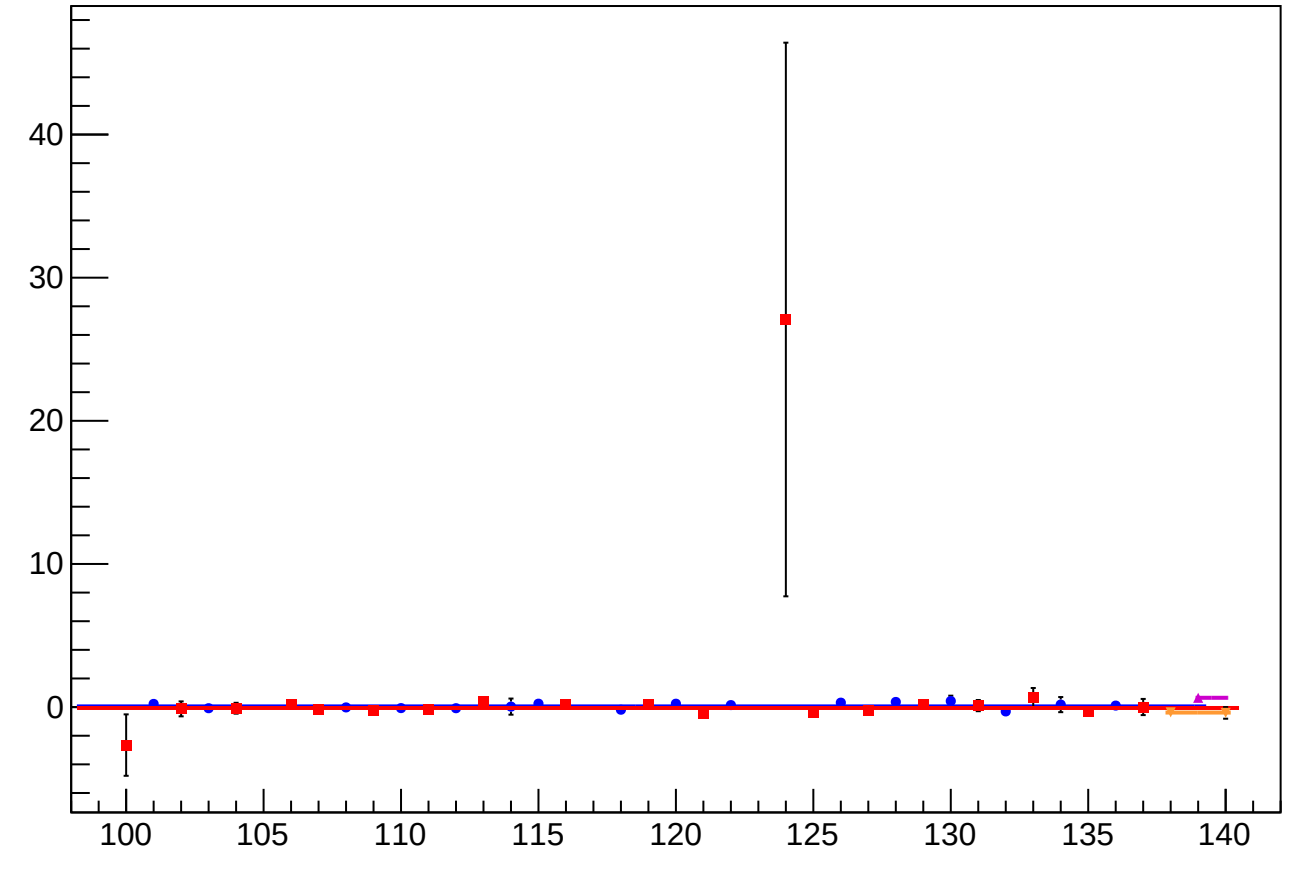
Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:17.0/16

Out: 0.000+/-0.000 χ^2/NDF:18.4/20

All: 0.000+/-0.000 χ^2/NDF: 35.4/37


asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
105
110
115
120
125
130
135
140
Right In: 0.012+/-0.000 χ²/NDF: 2407192.9/15
Left Out: 0.003+/-0.000 χ²/NDF:1043755.8/1
Right Out: 0.010+/-0.000 χ²/NDF: 2355101.8/18
Left In: 0.017+/-0.000 χ²/NDF:0.0/0
Left: 0.004+/-0.000 χ²/NDF: 2053900.7/2
Right: 0.011+/-0.000 χ²/NDF: 4860752.3/34
In: 0.012+/-0.000 χ²/NDF:2541752.4/16
Out: 0.006+/-0.000 χ²/NDF:7026622.8/20
All: 0.007+/-0.000 χ²/NDF: 12345894.2/37



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.381+/-0.247 χ^2/NDF:0.0/1

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.650+/-0.239 χ^2/NDF:0.0/0

Left: 0.151+/-0.172 χ^2/NDF: 9.0/2

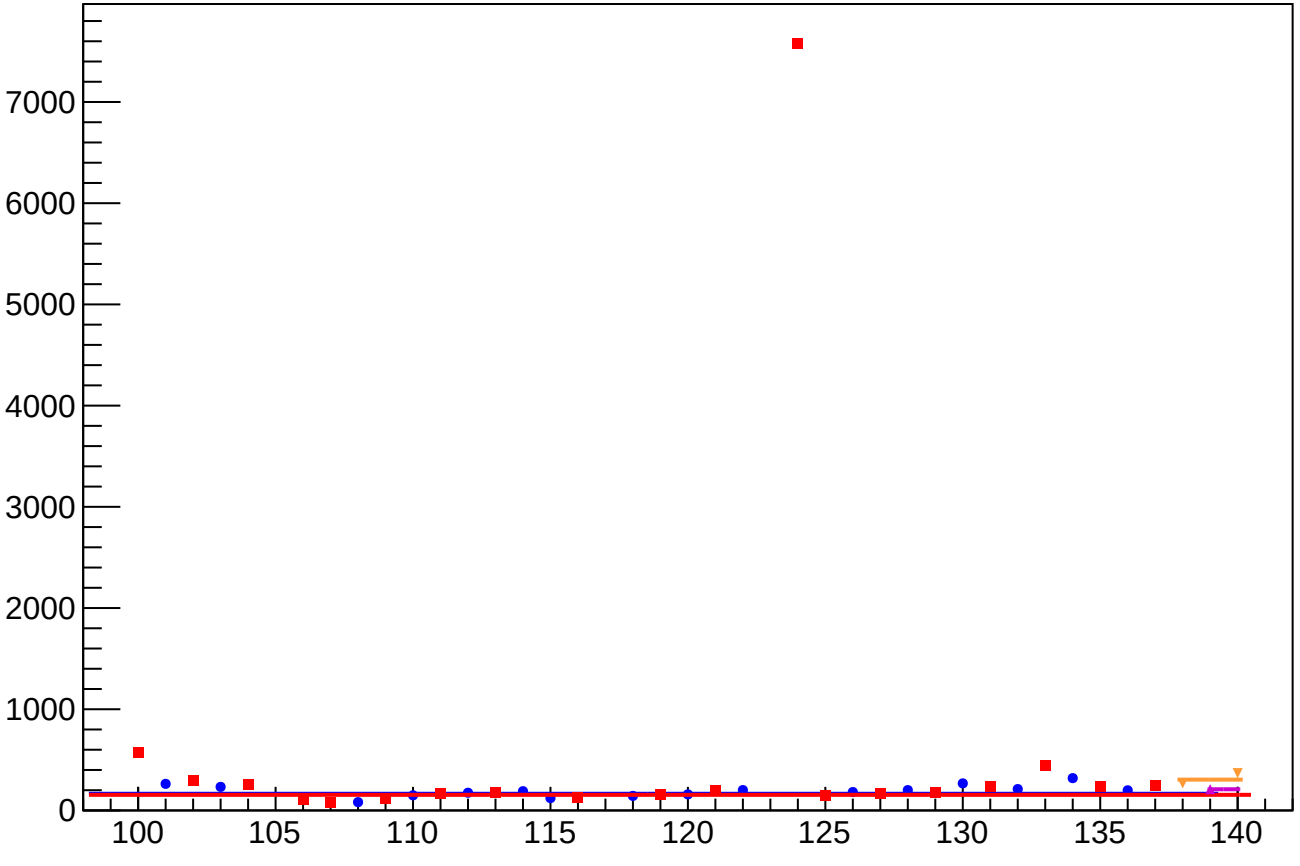
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.091+/-0.064 χ^2/NDF:13.5/16

Out: -0.082+/-0.062 χ^2/NDF:20.0/20

All: 0.002+/-0.045 χ^2/NDF: 37.2/37

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 304.689+/-0.175 χ^2/NDF:78424.5/1

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 209.392+/-0.169 χ^2/NDF:0.0/0

Left: 255.512+/-0.121 χ^2/NDF: 232083.7/2

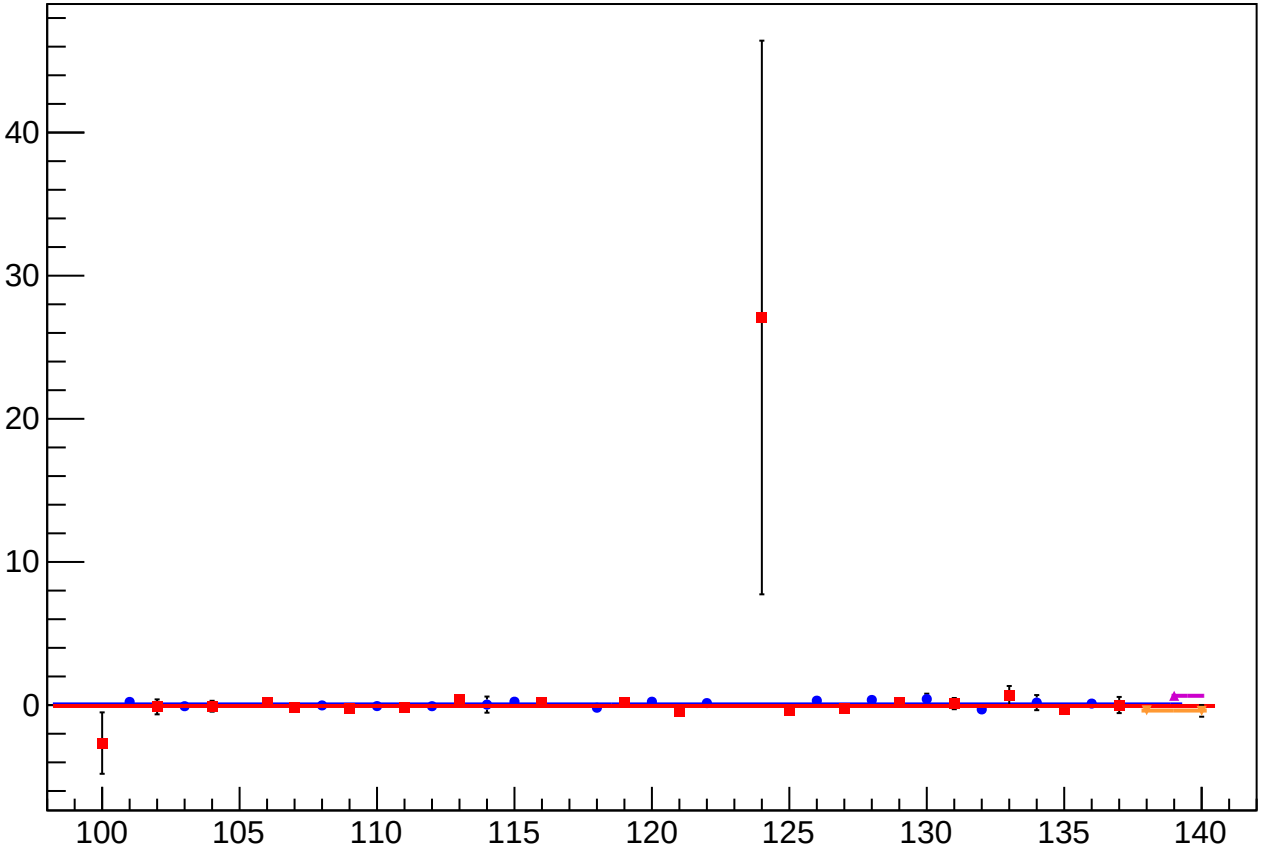
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 168.049+/-0.045 χ^2/NDF:1539059.8/16

Out: 163.957+/-0.044 χ^2/NDF:2693311.6/20

All: 165.949+/-0.032 χ^2/NDF: 4236568.1/37

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.381+/-0.247 χ^2/NDF:0.0/1

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.650+/-0.239 χ^2/NDF:0.0/0

Left: 0.151+/-0.172 χ^2/NDF: 9.0/2

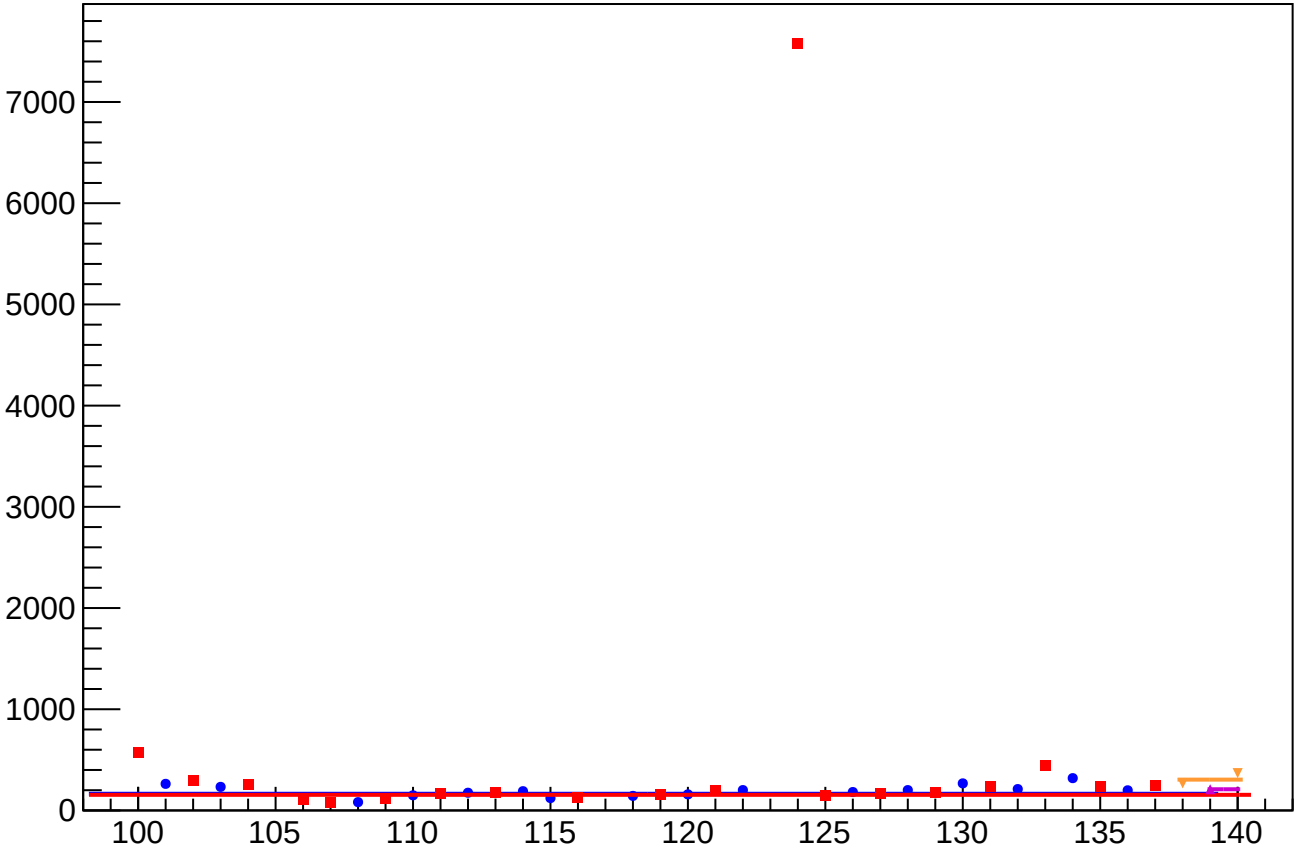
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.091+/-0.064 χ^2/NDF:13.5/16

Out: -0.082+/-0.062 χ^2/NDF:20.0/20

All: 0.002+/-0.045 χ^2/NDF: 37.2/37

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 304.689+/-0.175 χ^2/NDF:78424.5/1

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 209.392+/-0.169 χ^2/NDF:0.0/0

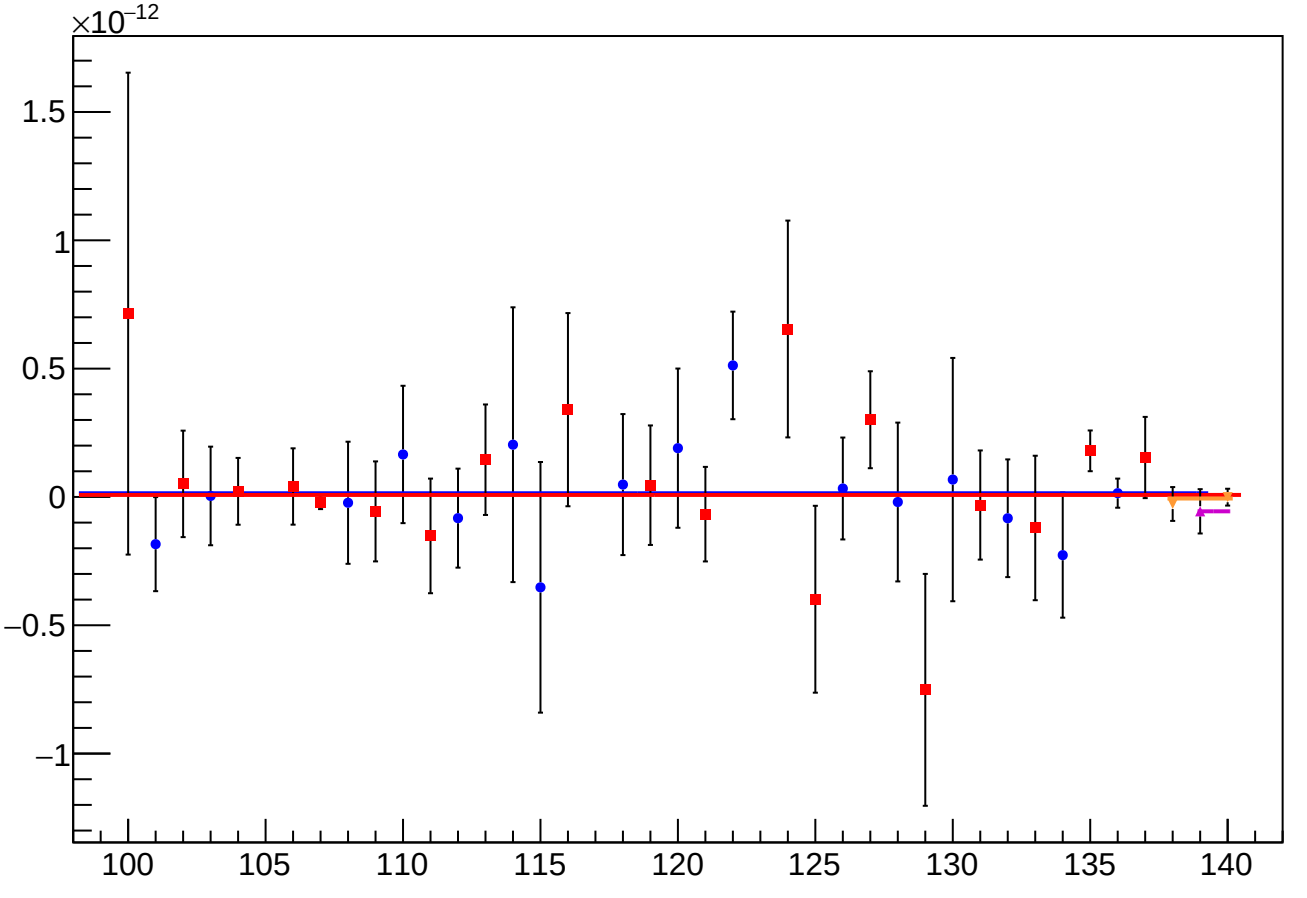
Left: 255.512+/-0.121 χ^2/NDF: 232083.7/2

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 168.049+/-0.045 χ^2/NDF:1539059.8/16

Out: 163.957+/-0.044 χ^2/NDF:2693311.6/20

All: 165.949+/-0.032 χ^2/NDF: 4236568.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

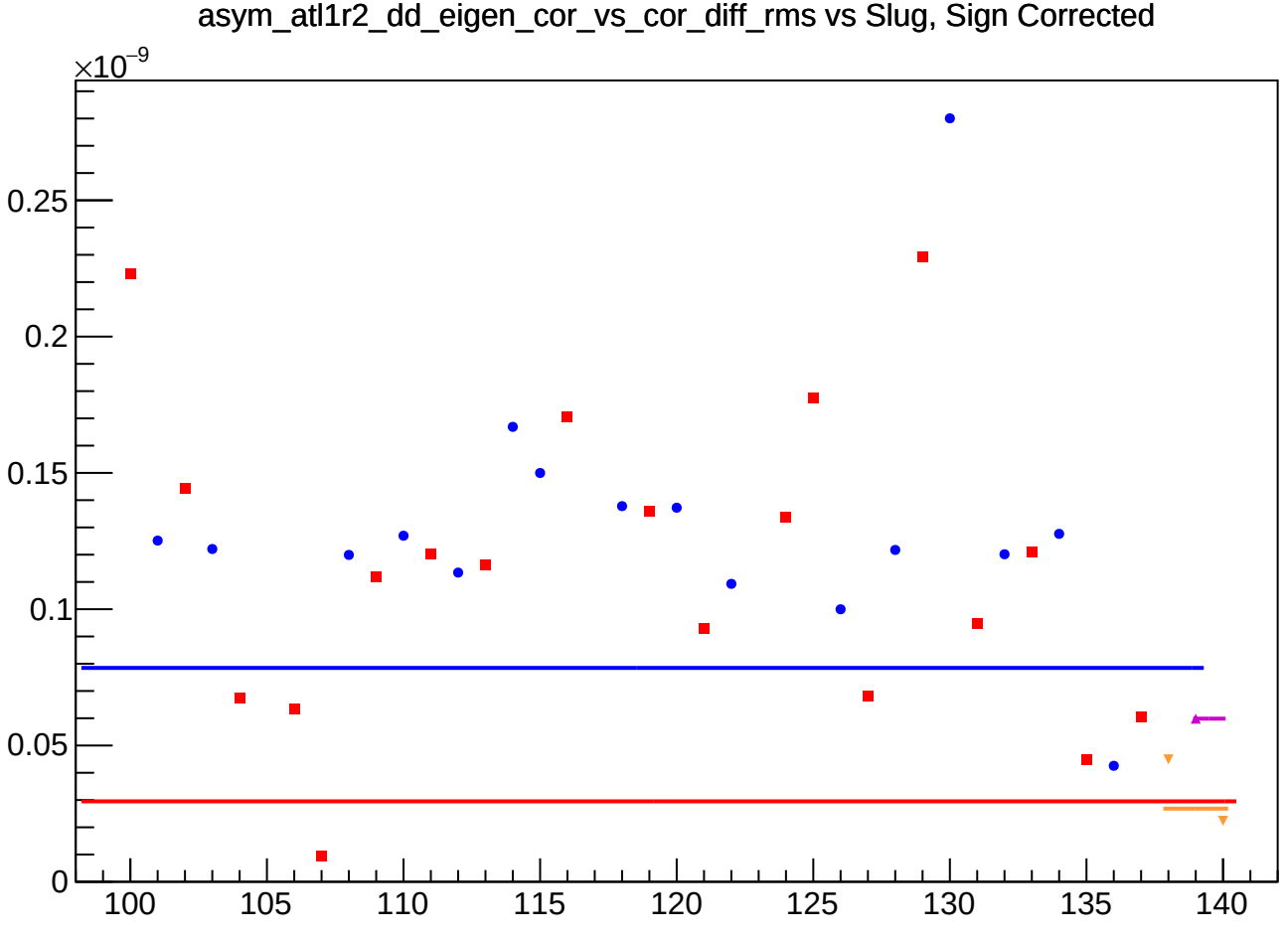
Left: -0.000+/-0.000 χ^2/NDF: 0.4/2

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: 0.000+/-0.000 χ^2/NDF:10.2/16

Out: 0.000+/-0.000 χ^2/NDF:18.6/20

All: 0.000+/-0.000 χ^2/NDF: 28.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:187515.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

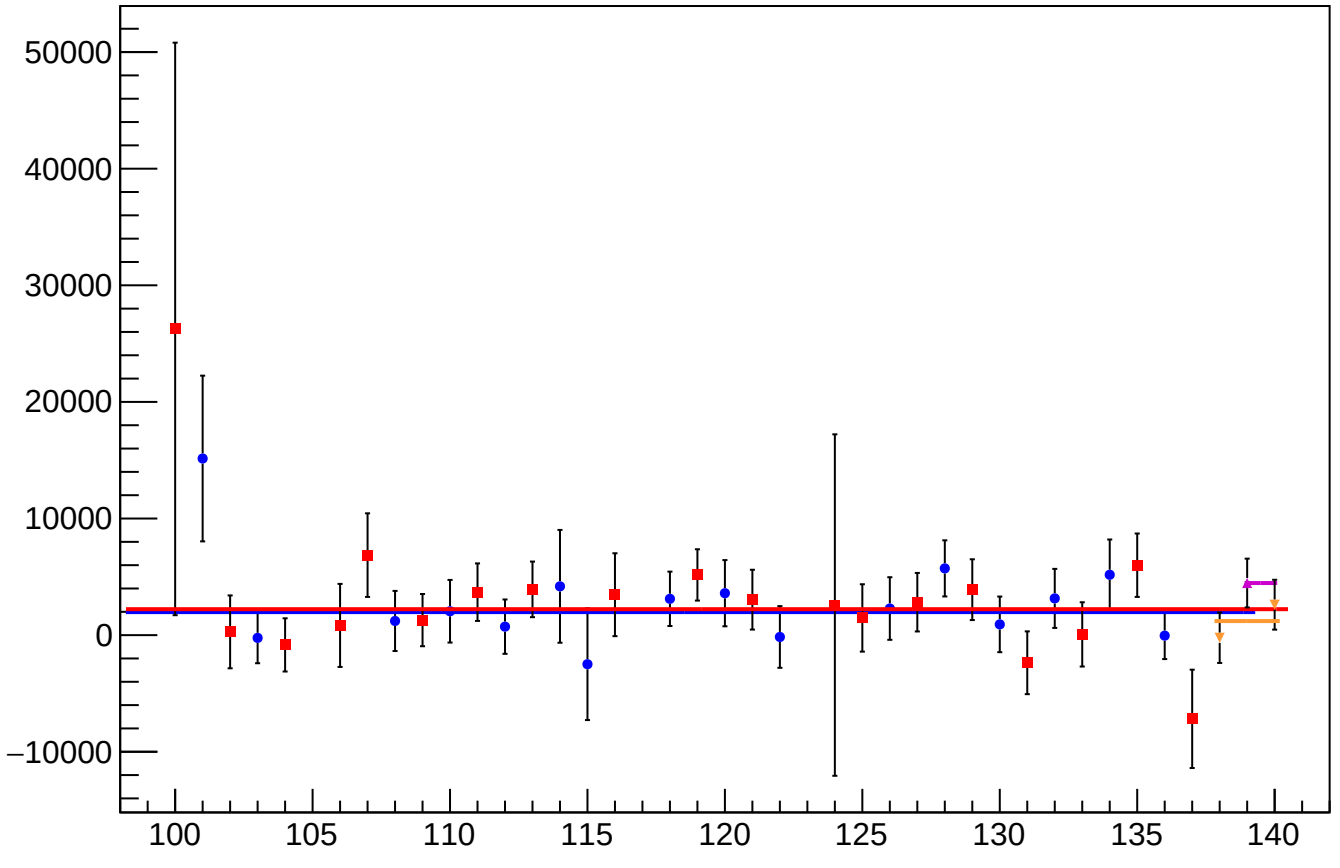
Left: 0.000+/-0.000 χ^2/NDF: 449439.1/2

Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:2177947.6/16

Out: 0.000+/-0.000 χ^2/NDF:5685169.8/20

All: 0.000+/-0.000 χ^2/NDF: 10281557.1/37



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1206.877+/-1518.895 χ^2/NDF:0.9/1

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 4468.387+/-2091.192 χ^2/NDF:0.0/0

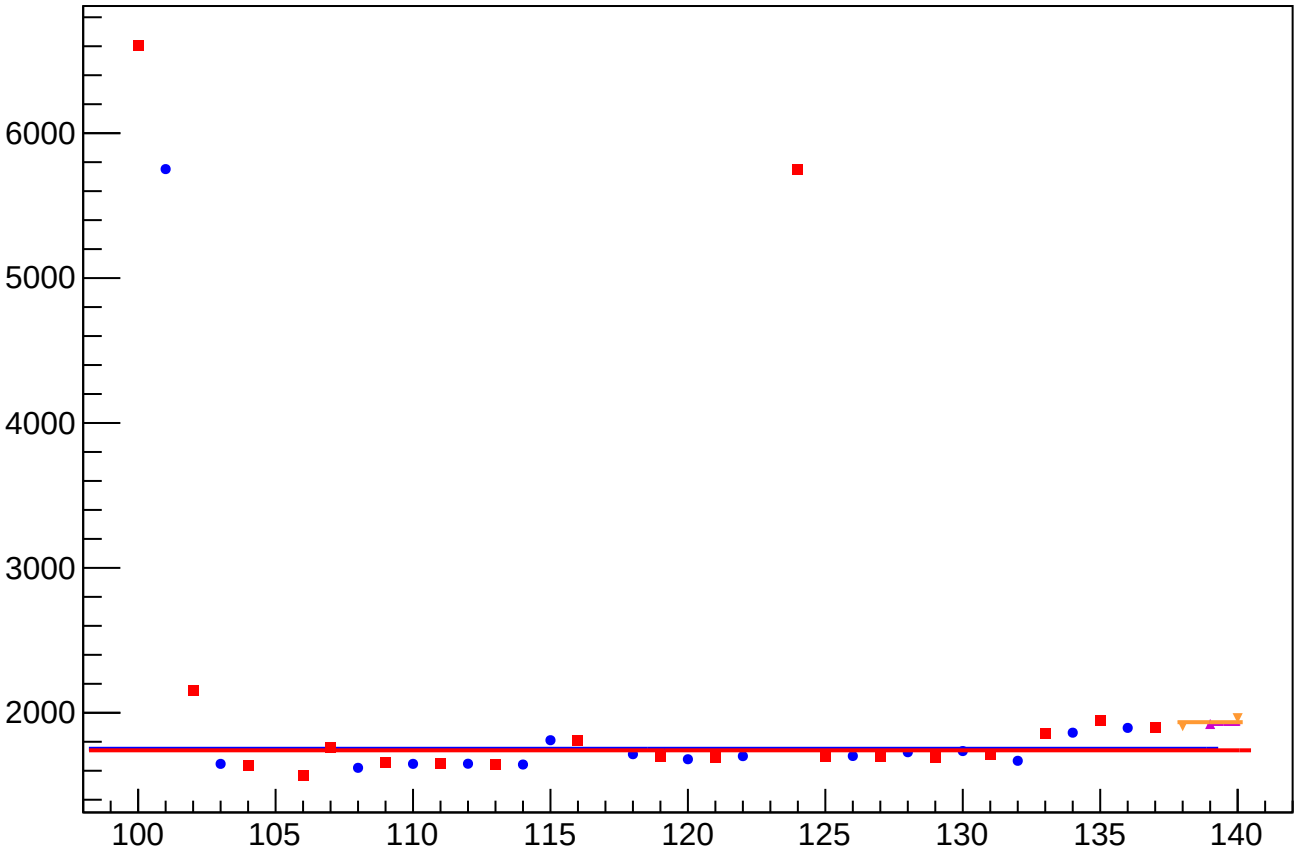
Left: 2333.268+/-1228.936 χ^2/NDF: 2.5/2

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2206.862+/-636.073 χ^2/NDF:13.4/16

Out: 2065.812+/-602.454 χ^2/NDF:20.2/20

All: 2132.511+/-437.402 χ^2/NDF: 33.7/37



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1935.238+/-1.074 χ^2/NDF:662.9/1

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1922.808+/-1.479 χ^2/NDF:0.0/0

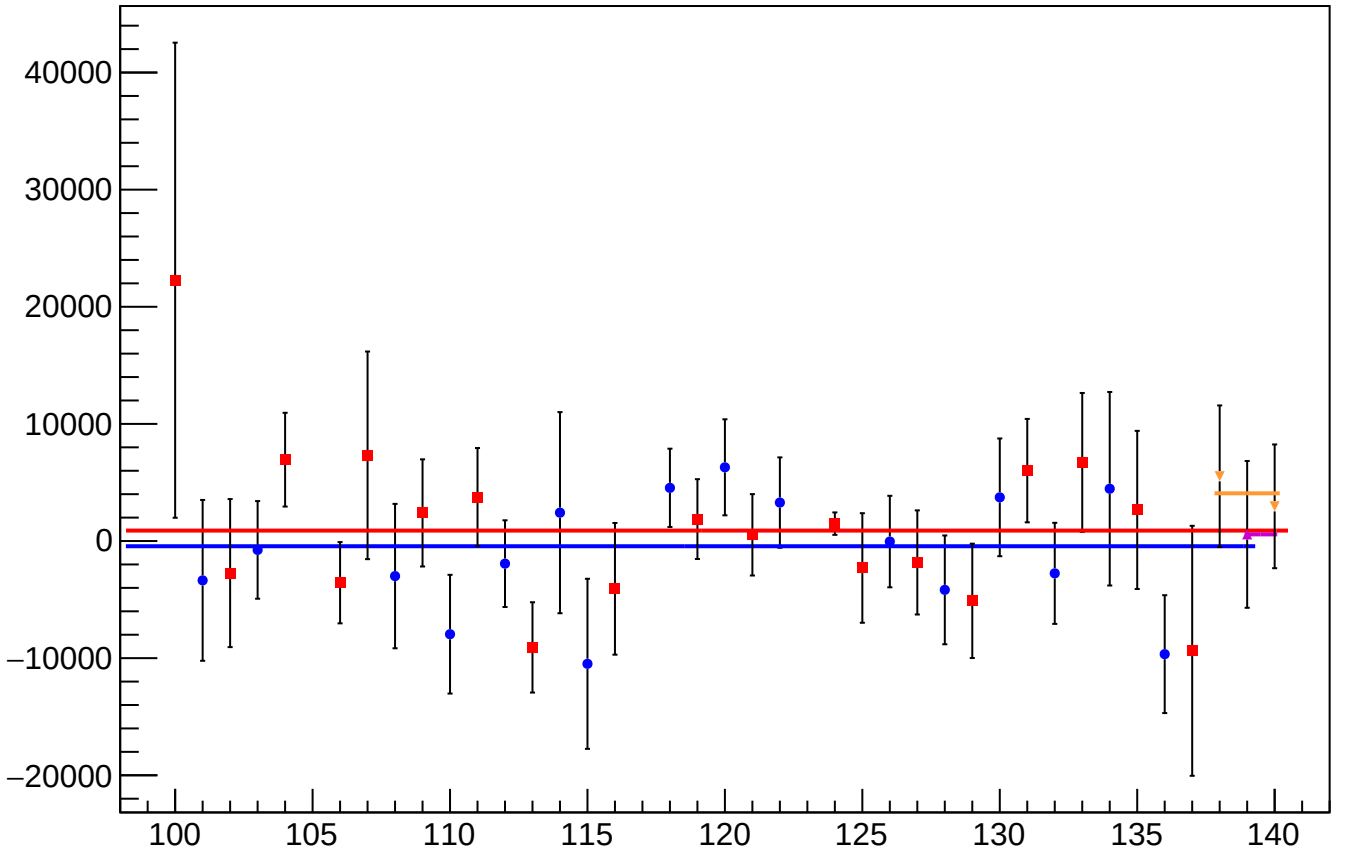
Left: 1930.945+/-0.869 χ^2/NDF: 709.1/2

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1767.446+/-0.450 χ^2/NDF:682815.8/16

Out: 1771.224+/-0.423 χ^2/NDF:332928.5/20

All: 1769.449+/-0.308 χ^2/NDF: 1015781.7/37



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: 4074.010+/-3978.275 χ^2/NDF:0.1/1

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 566.979+/-6267.184 χ^2/NDF:0.0/0

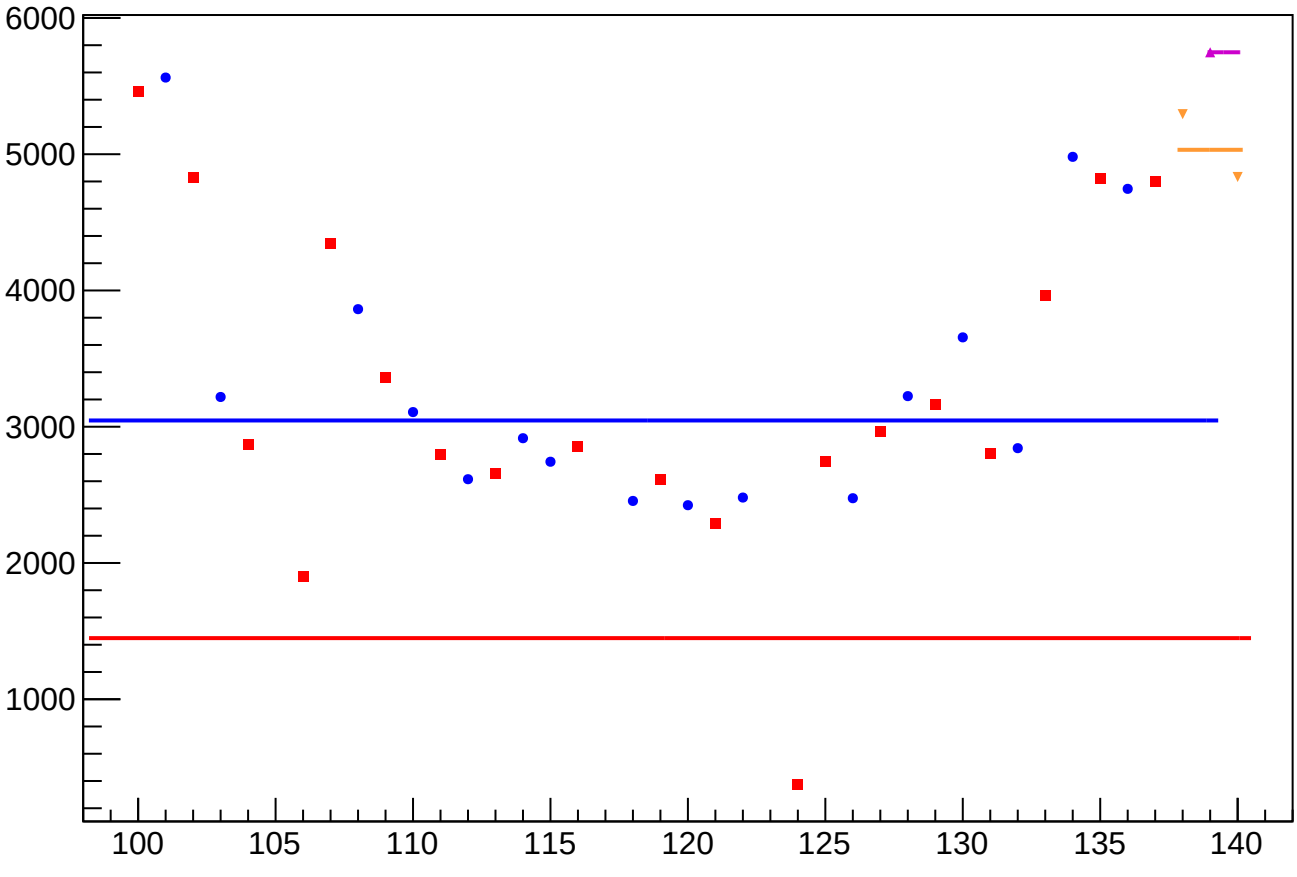
Left: 3066.744+/-3358.727 χ^2/NDF: 0.3/2

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -409.966+/-1154.354 χ^2/NDF:16.0/16

Out: 994.713+/-713.954 χ^2/NDF:20.8/20

All: 606.056+/-607.202 χ^2/NDF: 37.8/37



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 5032.388+/-2.813 χ^2/NDF:6593.9/1

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 5748.136+/-4.432 χ^2/NDF:0.0/0

Left: 5237.960+/-2.375 χ^2/NDF: 25187.6/2

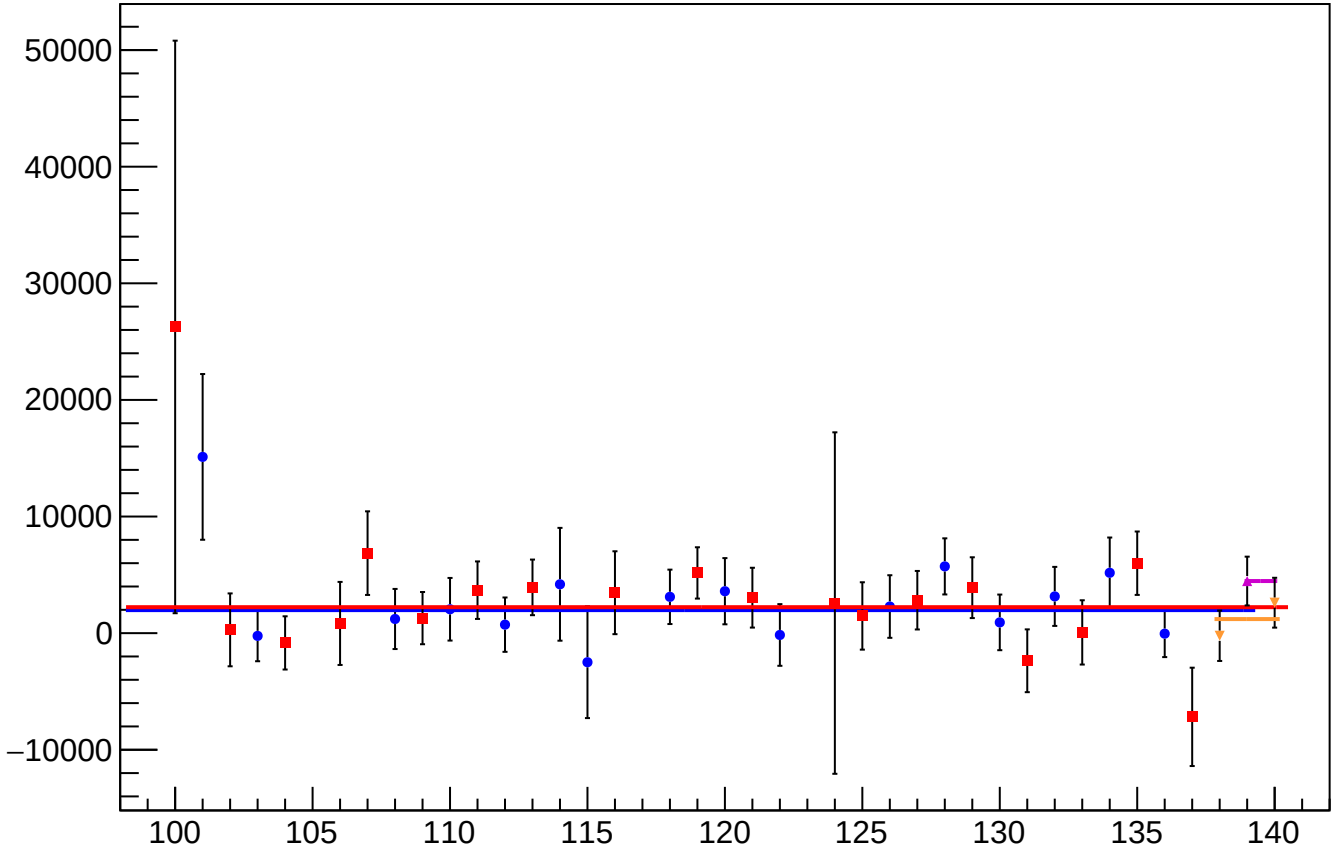
Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3137.593+/-0.816 χ^2/NDF:1266585.6/16

Out: 1563.945+/-0.505 χ^2/NDF:8364341.5/20

All: 1999.353+/-0.429 χ^2/NDF: 12319322.2/3

cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1207.014+/-1518.895 χ^2/NDF:0.9/1

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 4468.447+/-2091.192 χ^2/NDF:0.0/0

Left: 2333.379+/-1228.936 χ^2/NDF: 2.5/2

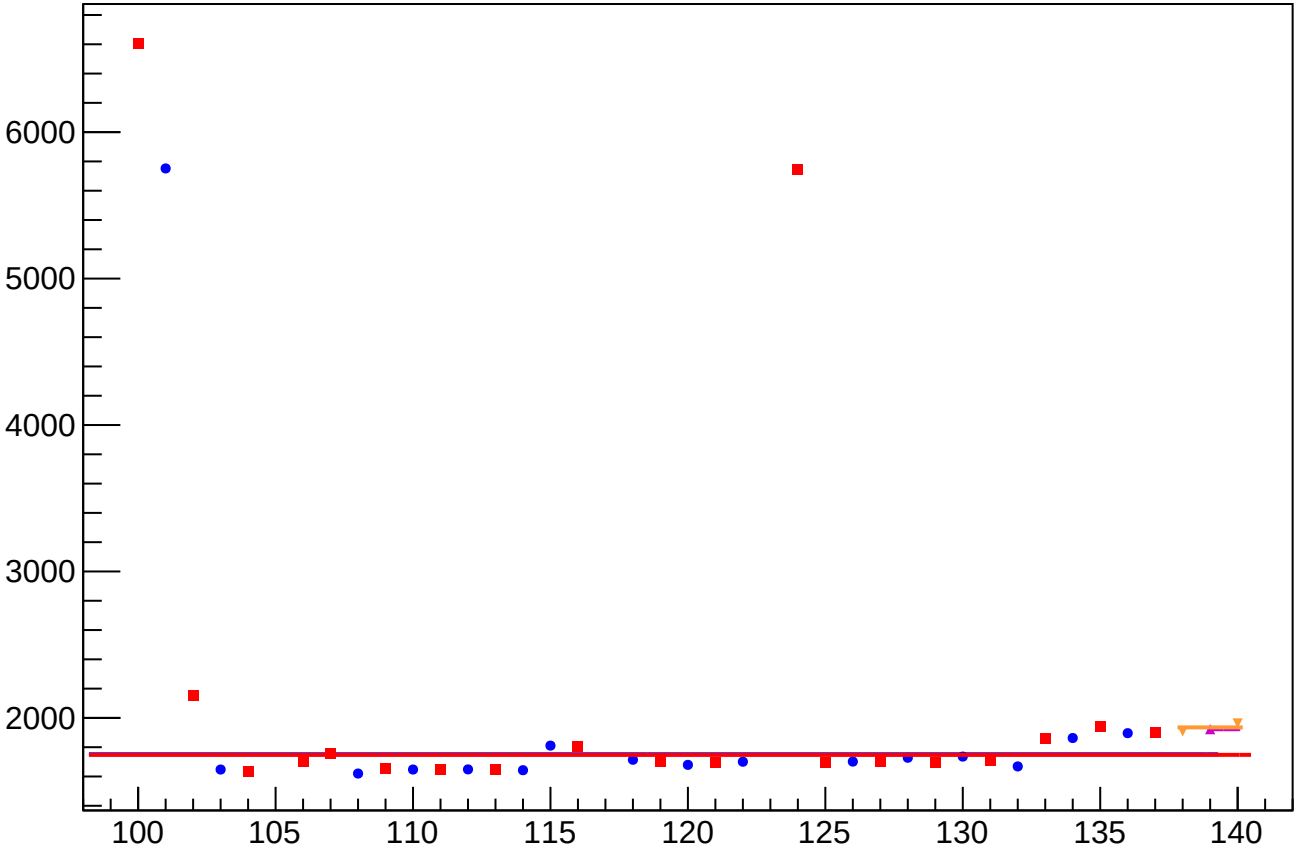
Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2206.547+/-636.073 χ^2/NDF:13.4/16

Out: 2065.915+/-602.454 χ^2/NDF:20.2/20

All: 2132.417+/-437.402 χ^2/NDF: 33.6/37

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1935.238+/-1.074 χ^2/NDF:662.9/1

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1922.808+/-1.479 χ^2/NDF:0.0/0

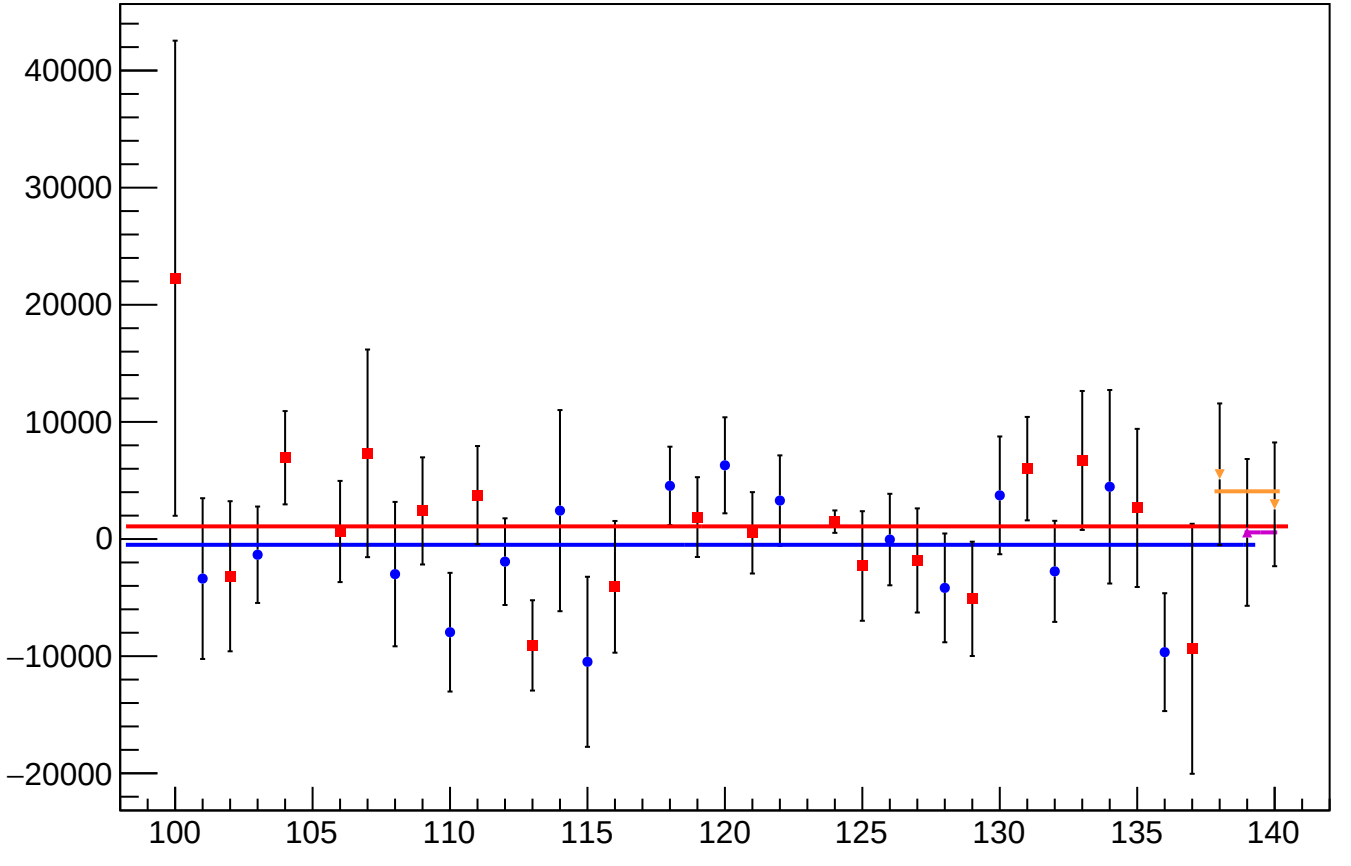
Left: 1930.945+/-0.869 χ^2/NDF: 709.1/2

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1767.445+/-0.450 χ^2/NDF:682816.1/16

Out: 1777.091+/-0.425 χ^2/NDF:324280.1/20

All: 1772.545+/-0.309 χ^2/NDF: 1007339.3/37



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: 4074.199+/-3978.272 χ^2/NDF:0.1/1

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 566.952+/-6267.193 χ^2/NDF:0.0/0

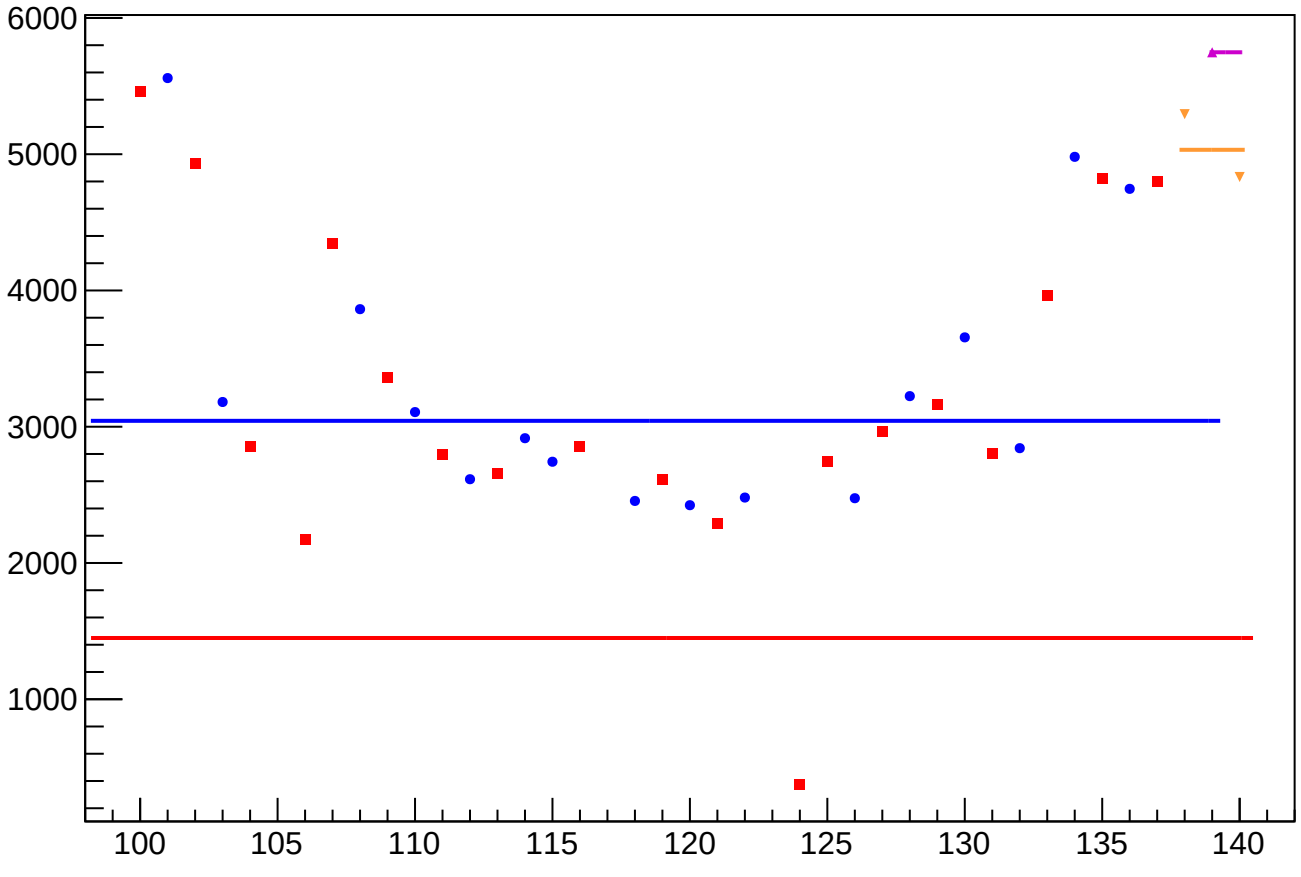
Left: 3066.875+/-3358.726 χ^2/NDF: 0.3/2

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -457.031+/-1153.206 χ^2/NDF:16.0/16

Out: 1178.805+/-719.399 χ^2/NDF:19.1/20

All: 720.543+/-610.371 χ^2/NDF: 36.6/37



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 5032.382+/-2.813 χ^2/NDF:6593.9/1

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5748.144+/-4.432 χ^2/NDF:0.0/0

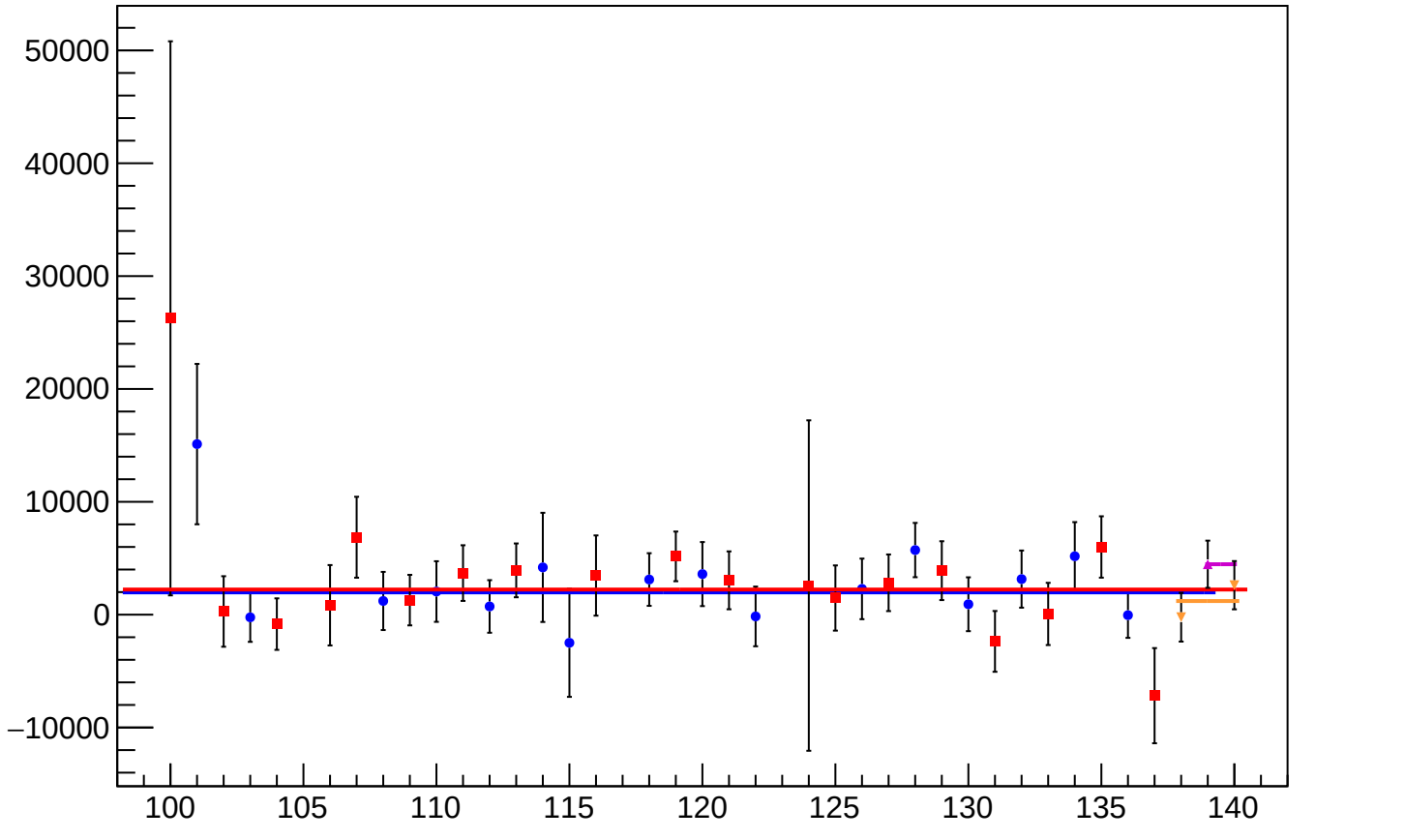
Left: 5237.957+/-2.375 χ^2/NDF: 25188.2/2

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3134.853+/-0.815 χ^2/NDF:1265590.1/16

Out: 1566.676+/-0.509 χ^2/NDF:8401455.7/20

All: 2005.985+/-0.432 χ^2/NDF: 12329330.3/3



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1207.014+/-1518.895 χ^2/NDF:0.9/1

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 4468.447+/-2091.192 χ^2/NDF:0.0/0

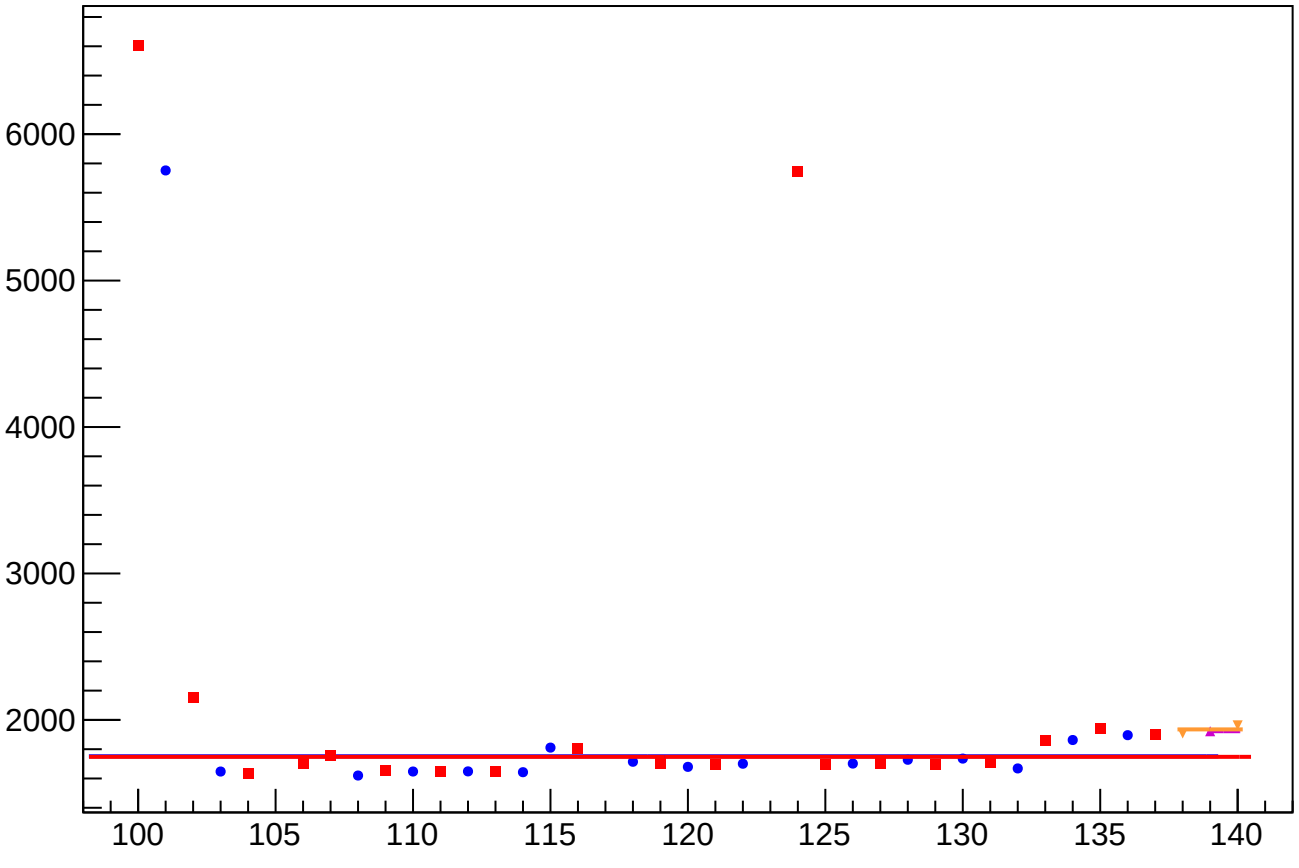
Left: 2333.379+/-1228.936 χ^2/NDF: 2.5/2

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2206.547+/-636.073 χ^2/NDF:13.4/16

Out: 2065.915+/-602.454 χ^2/NDF:20.2/20

All: 2132.417+/-437.402 χ^2/NDF: 33.6/37



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1935.238+/-1.074 χ^2/NDF:662.9/1

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1922.808+/-1.479 χ^2/NDF:0.0/0

Left: 1930.945+/-0.869 χ^2/NDF: 709.1/2

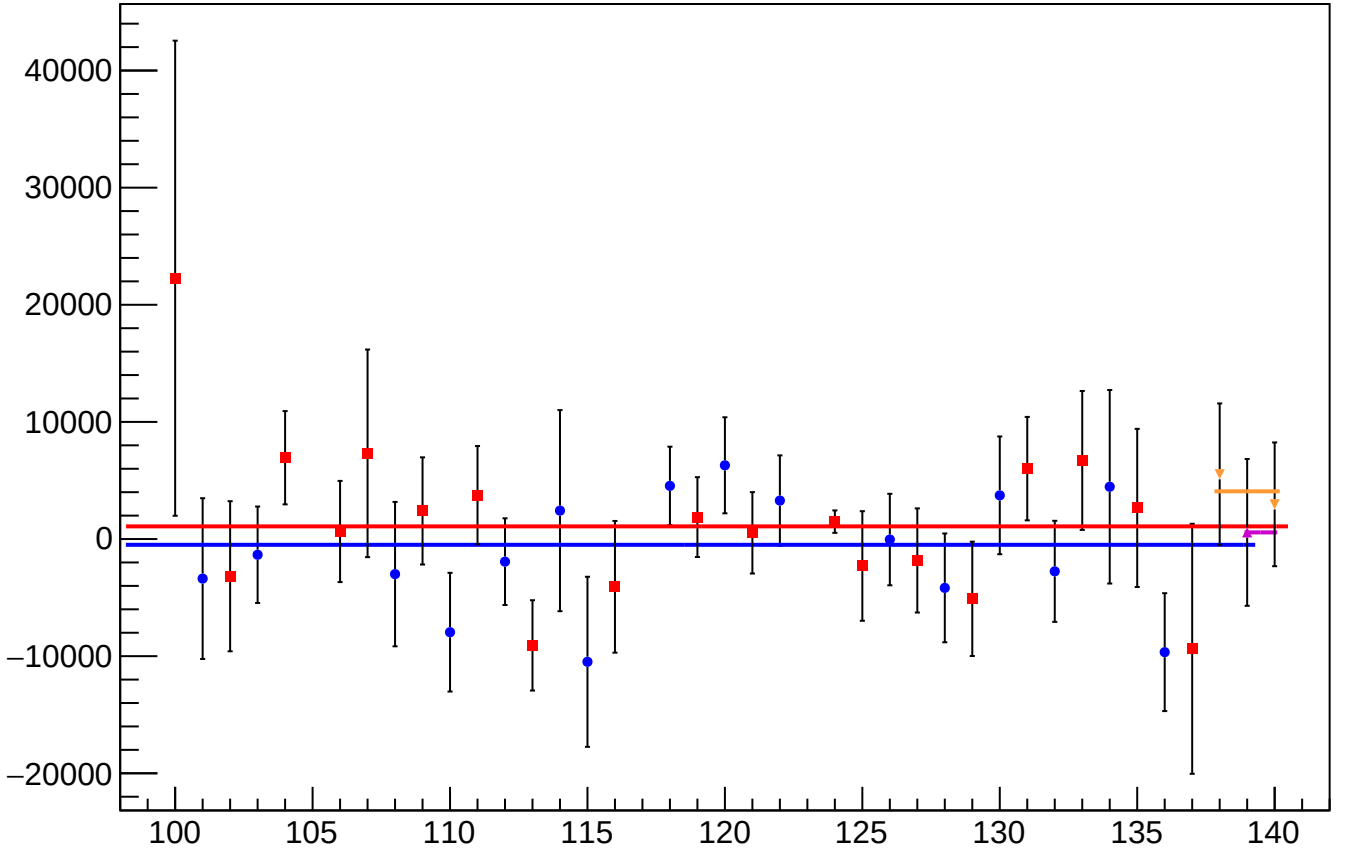
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1767.445+/-0.450 χ^2/NDF:682816.1/16

Out: 1777.091+/-0.425 χ^2/NDF:324280.1/20

All: 1772.545+/-0.309 χ^2/NDF: 1007339.3/37

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: 4074.199+/-3978.272 χ^2/NDF:0.1/1

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 566.952+/-6267.193 χ^2/NDF:0.0/0

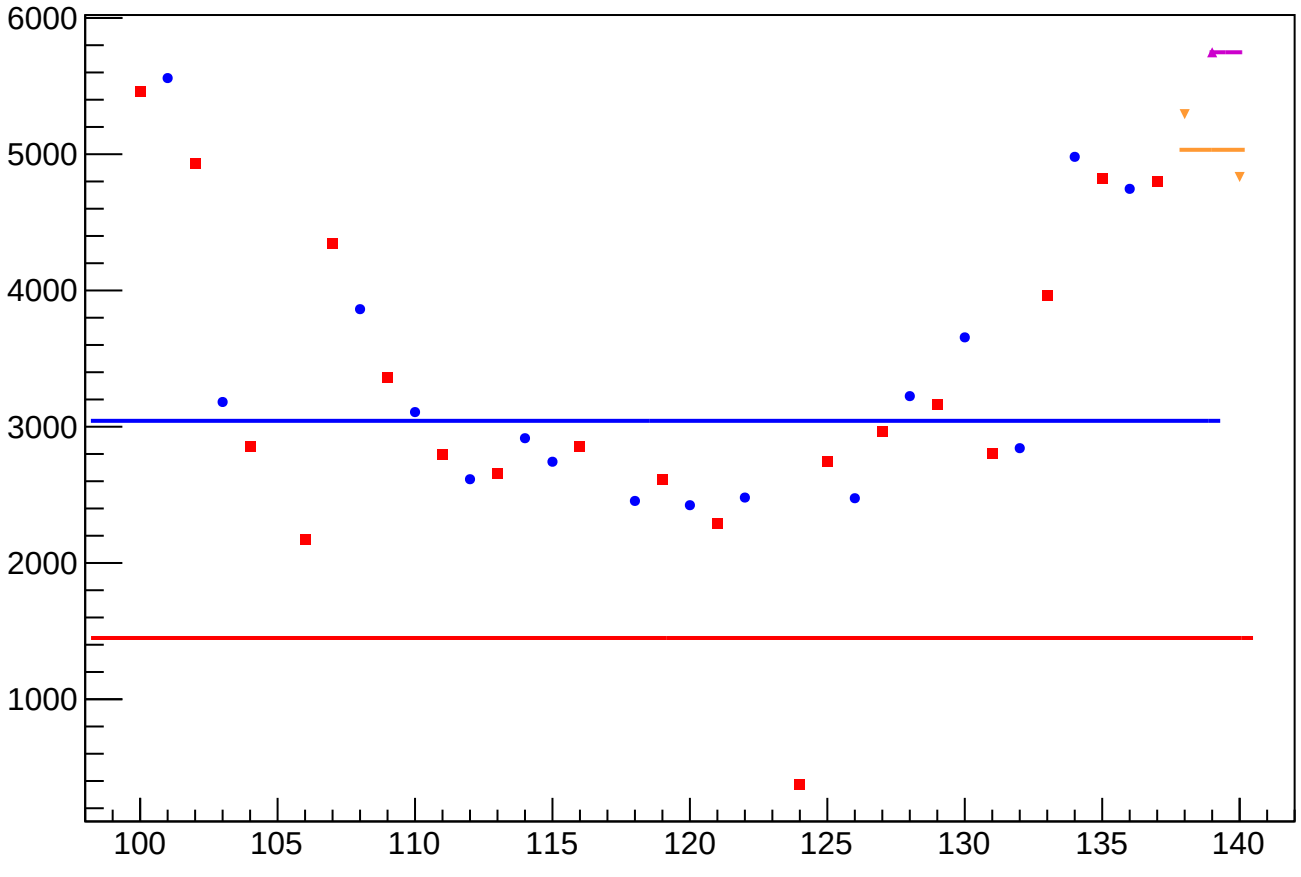
Left: 3066.875+/-3358.726 χ^2/NDF: 0.3/2

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -457.031+/-1153.206 χ^2/NDF:16.0/16

Out: 1178.805+/-719.399 χ^2/NDF:19.1/20

All: 720.543+/-610.371 χ^2/NDF: 36.6/37



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 5032.382+/-2.813 χ^2/NDF:6593.9/1

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5748.144+/-4.432 χ^2/NDF:0.0/0

Left: 5237.957+/-2.375 χ^2/NDF: 25188.2/2

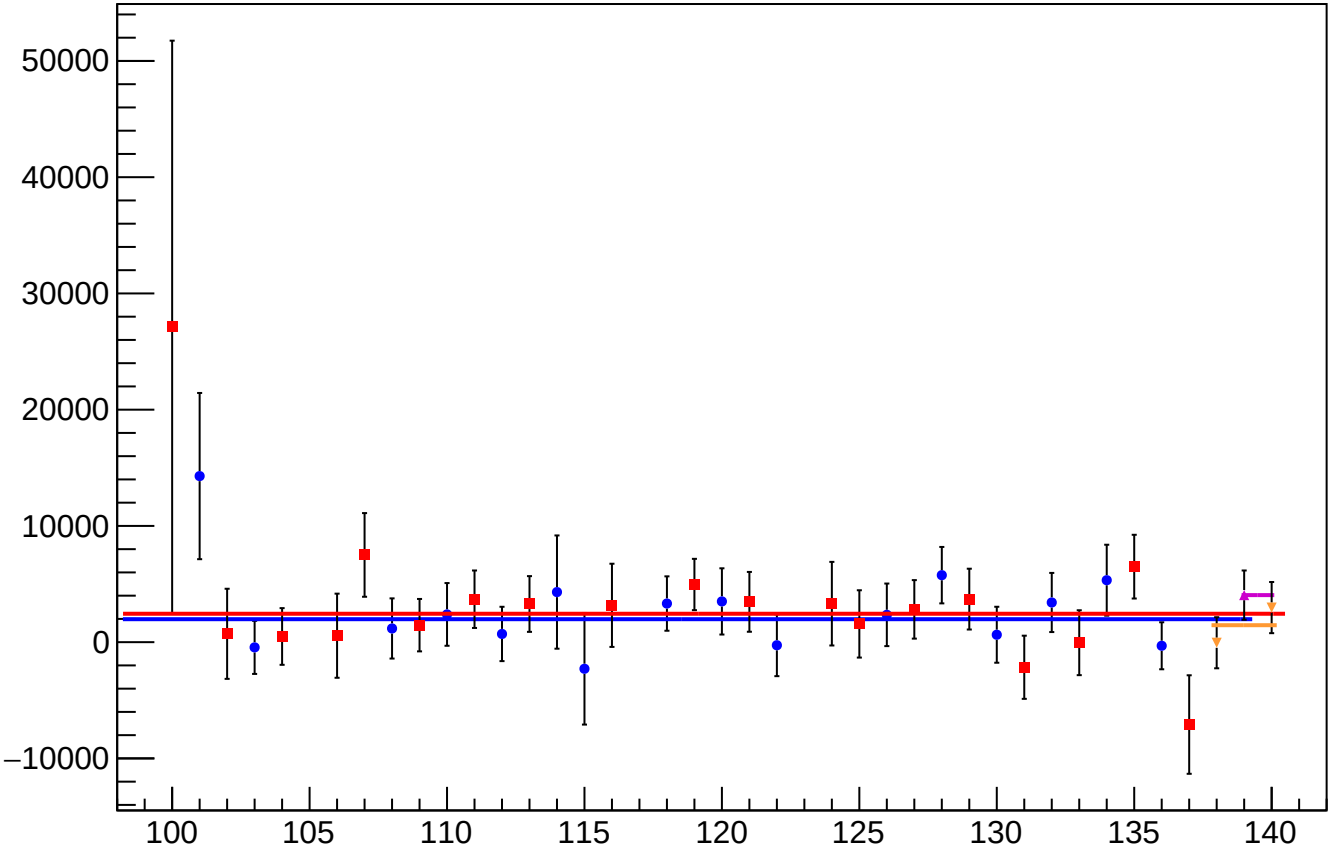
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3134.853+/-0.815 χ^2/NDF:1265590.1/16

Out: 1566.676+/-0.509 χ^2/NDF:8401455.7/20

All: 2005.985+/-0.432 χ^2/NDF: 12329330.3/3

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1459.599+/-1554.888 χ^2/NDF:0.9/1

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 4047.820+/-2117.915 χ^2/NDF:0.0/0

Left: 2366.055+/-1253.375 χ^2/NDF: 1.9/2

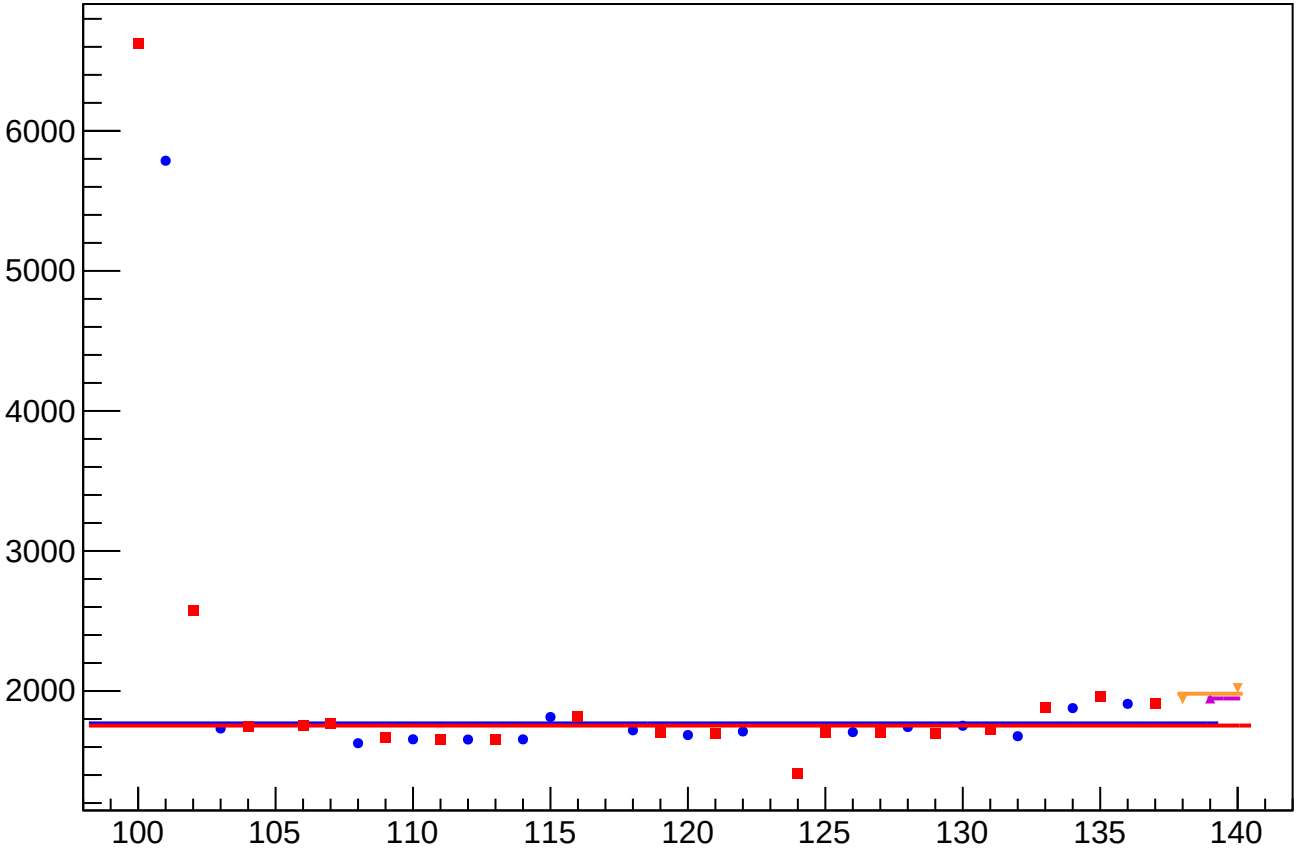
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2166.395+/-642.336 χ^2/NDF:13.3/16

Out: 2294.777+/-605.726 χ^2/NDF:18.8/20

All: 2234.349+/-440.687 χ^2/NDF: 32.1/37

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1980.770+/-1.099 χ^2/NDF:1306.1/1

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1946.917+/-1.498 χ^2/NDF:0.0/0

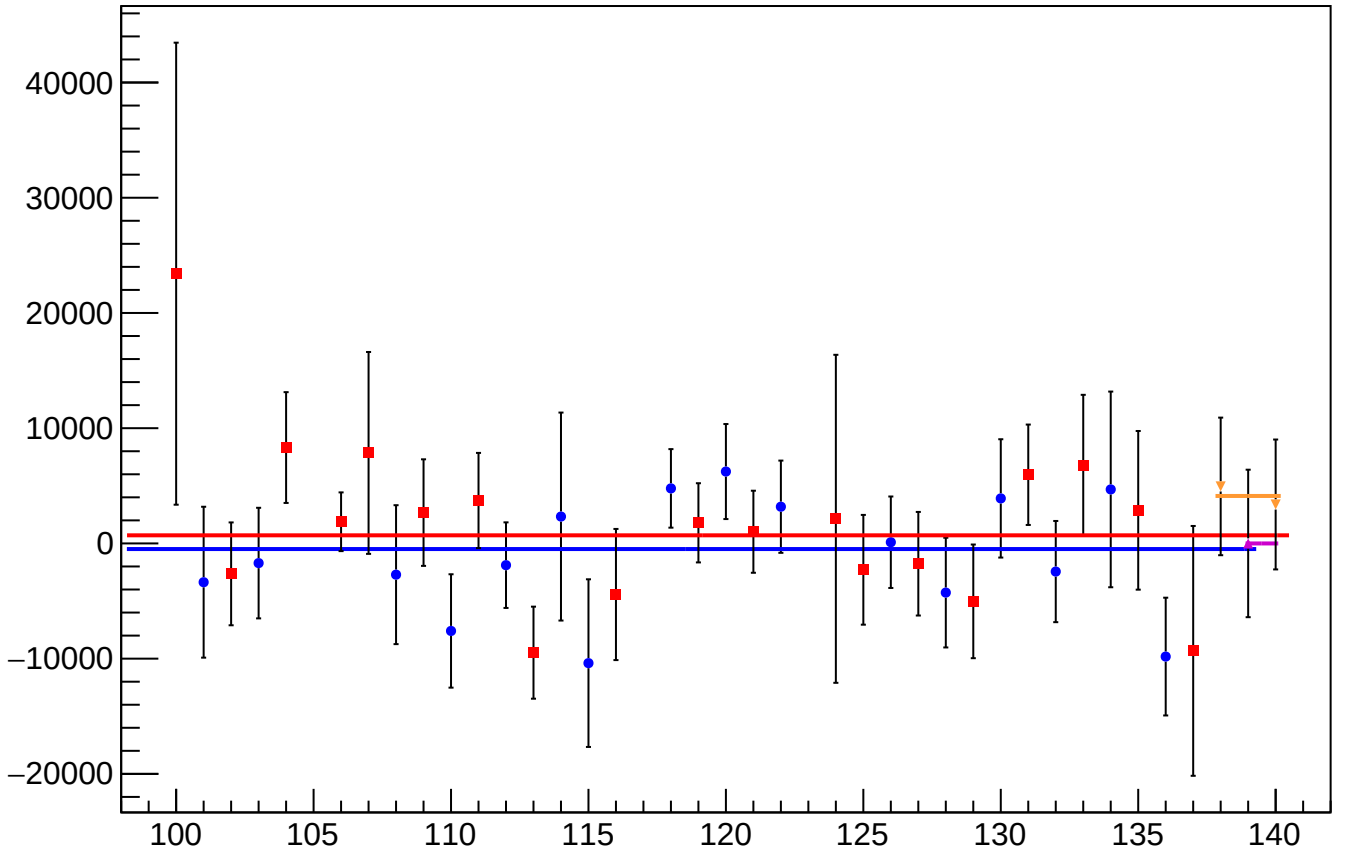
Left: 1968.914+/-0.886 χ^2/NDF: 1638.1/2

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1784.893+/-0.454 χ^2/NDF:680258.0/16

Out: 1787.735+/-0.427 χ^2/NDF:256481.1/20

All: 1786.401+/-0.311 χ^2/NDF: 936759.8/37



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 4118.763+/-4098.653 χ^2/NDF:0.0/1

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: -2.514+/-6400.047 χ^2/NDF:0.0/0

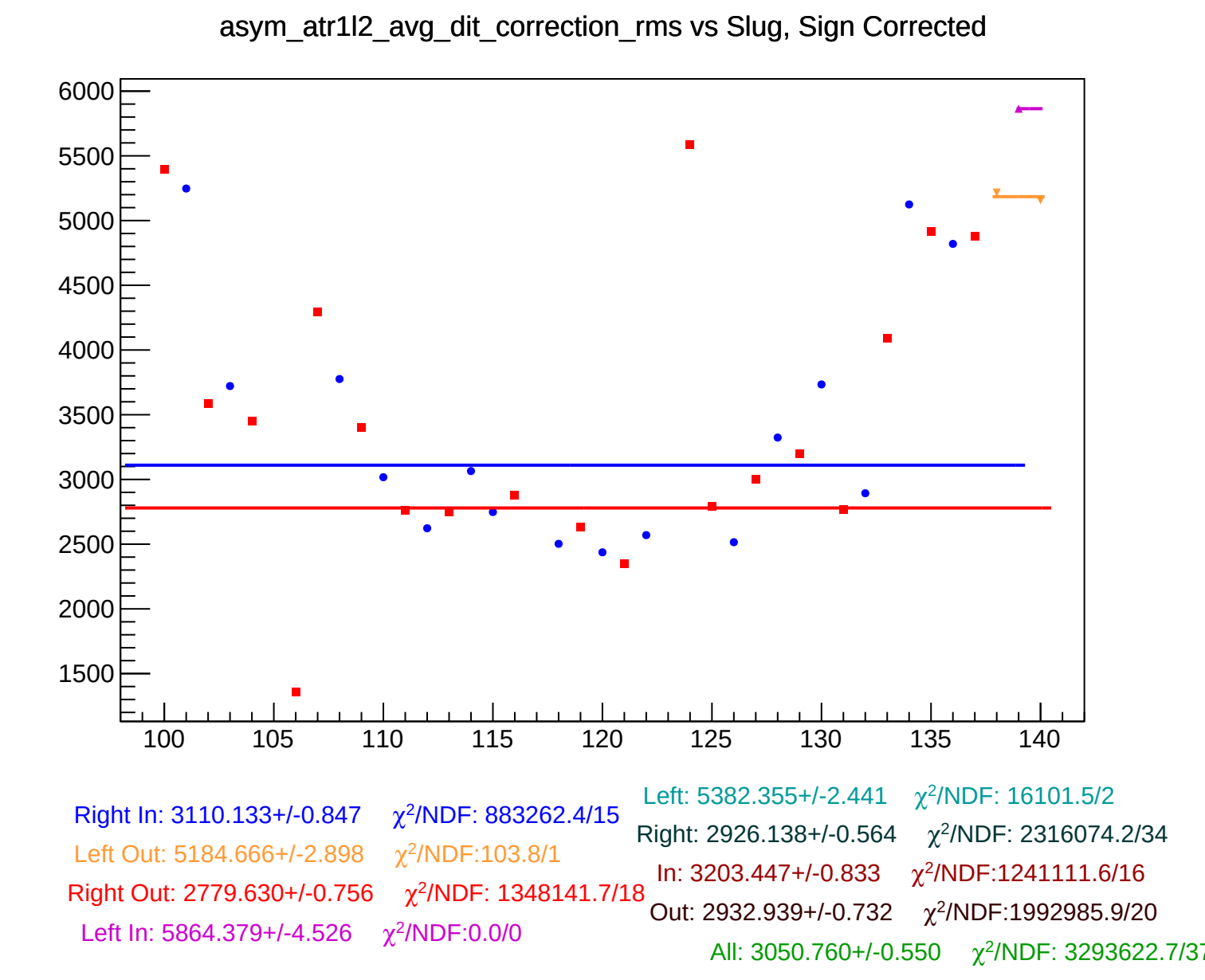
Left: 2920.119+/-3451.536 χ^2/NDF: 0.3/2

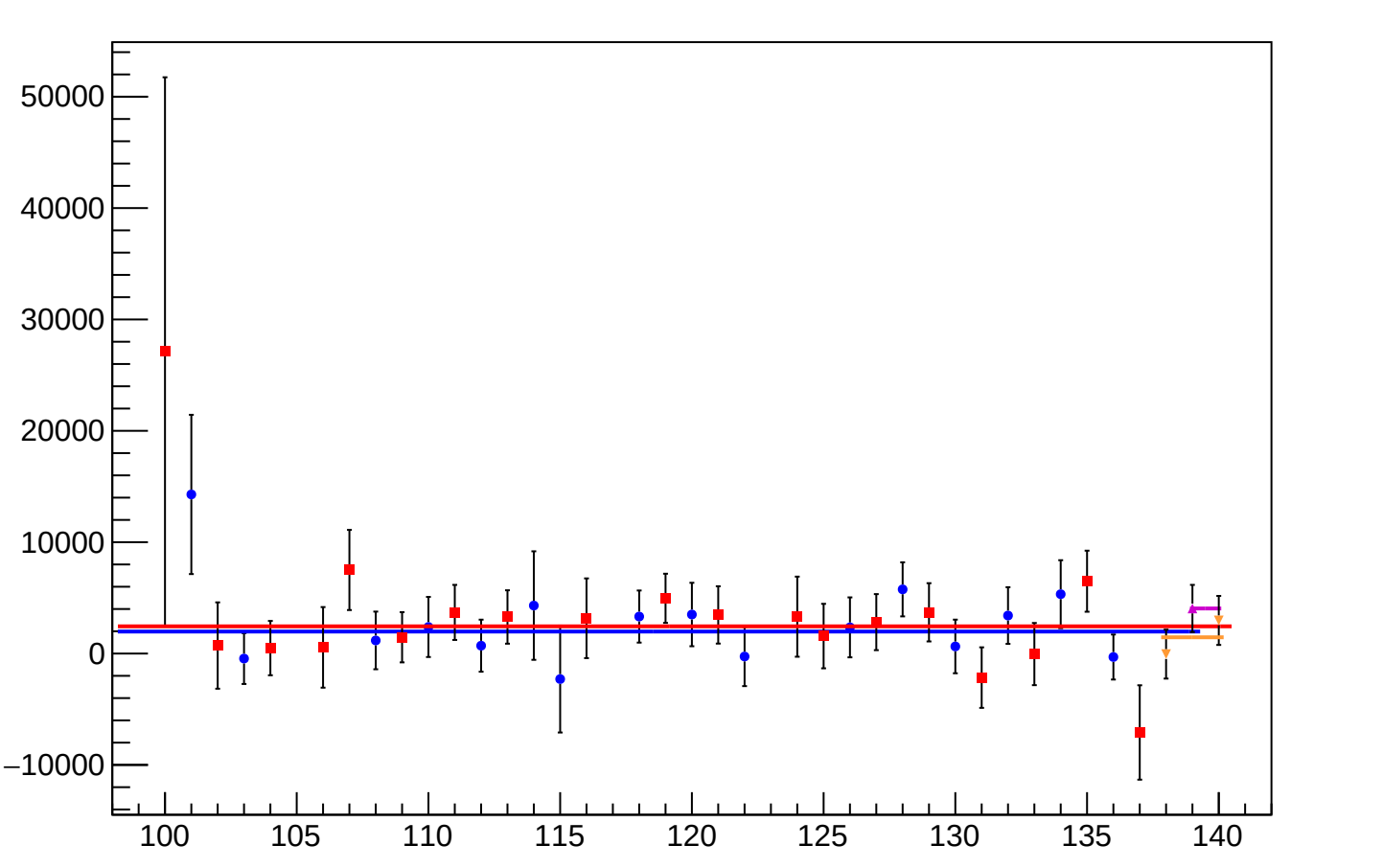
Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -471.653+/-1178.028 χ^2/NDF:15.8/16

Out: 921.041+/-1034.819 χ^2/NDF:19.5/20

All: 314.449+/-777.456 χ^2/NDF: 36.1/37


asym_atr1l2_avg_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
105
110
115
120
125
130
135
140
Right In: 3110.133+/-0.847 χ²/NDF: 883262.4/15
Left Out: 5184.666+/-2.898 χ²/NDF:103.8/1
Right Out: 2779.630+/-0.756 χ²/NDF: 1348141.7/18
Left In: 5864.379+/-4.526 χ²/NDF:0.0/0
Left: 5382.355+/-2.441 χ²/NDF: 16101.5/2
Right: 2926.138+/-0.564 χ²/NDF: 2316074.2/34
In: 3203.447+/-0.833 χ²/NDF:1241111.6/16
Out: 2932.939+/-0.732 χ²/NDF:1992985.9/20
All: 3050.760+/-0.550 χ²/NDF: 3293622.7/37



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1459.609+/-1554.889 χ^2/NDF:0.9/1

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 4047.816+/-2117.916 χ^2/NDF:0.0/0

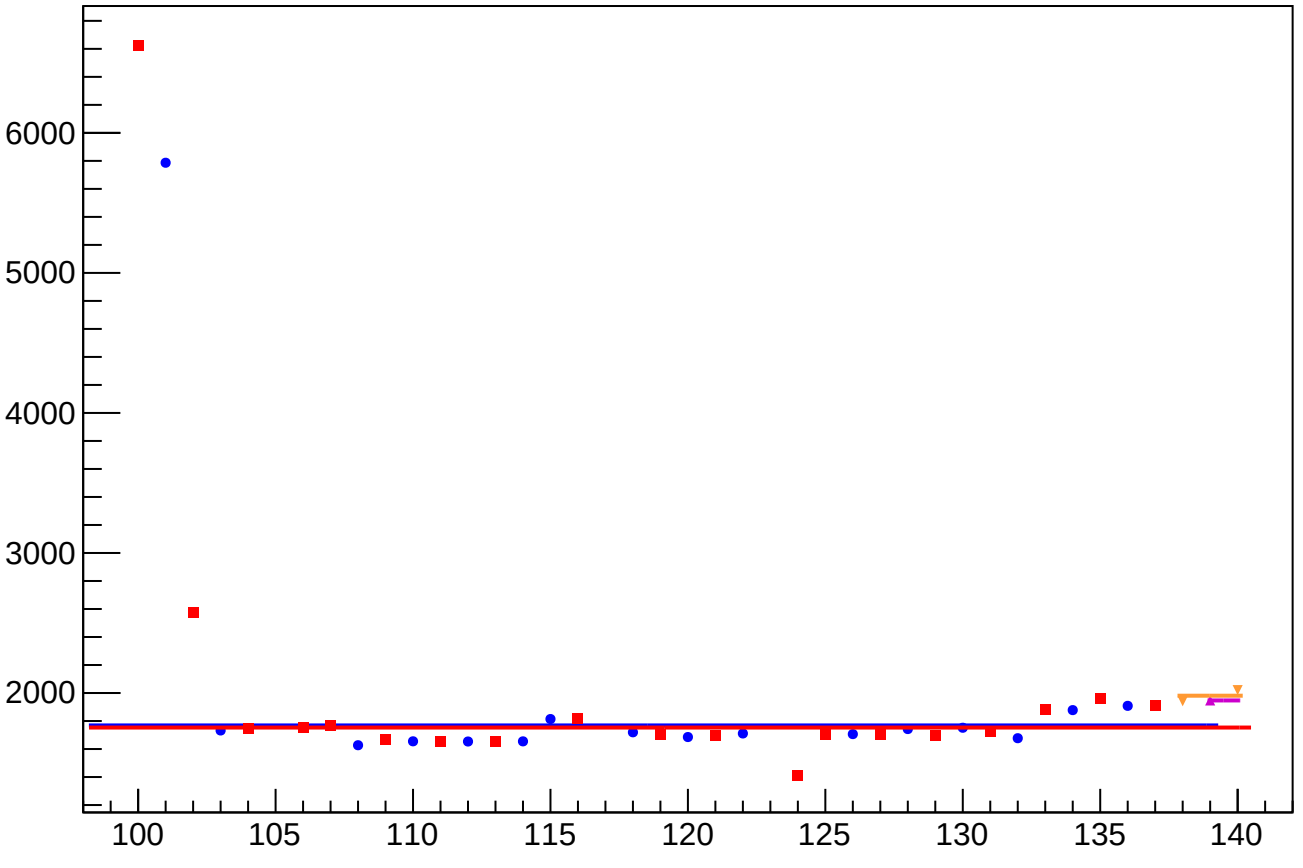
Left: 2366.059+/-1253.376 χ^2/NDF: 1.9/2

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2166.395+/-642.336 χ^2/NDF:13.3/16

Out: 2294.779+/-605.726 χ^2/NDF:18.8/20

All: 2234.350+/-440.687 χ^2/NDF: 32.1/37



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1980.770+/-1.099 χ^2/NDF:1306.1/1

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1946.918+/-1.498 χ^2/NDF:0.0/0

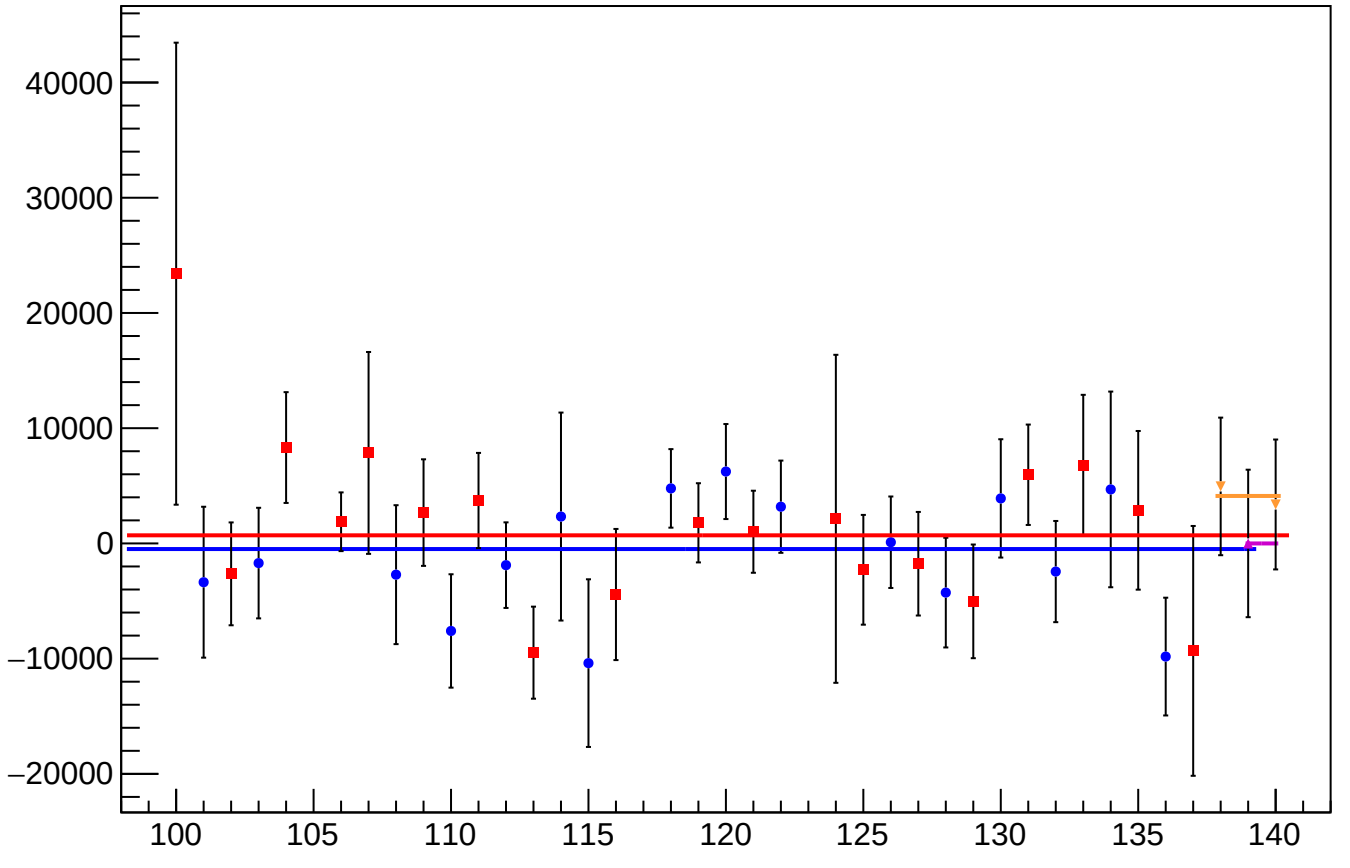
Left: 1968.914+/-0.886 χ^2/NDF: 1638.2/2

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1784.893+/-0.454 χ^2/NDF:680258.2/16

Out: 1787.735+/-0.427 χ^2/NDF:256481.2/20

All: 1786.401+/-0.311 χ^2/NDF: 936760.2/37



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: 4118.771+/-4098.662 χ^2/NDF:0.0/1

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: -2.510+/-6400.069 χ^2/NDF:0.0/0

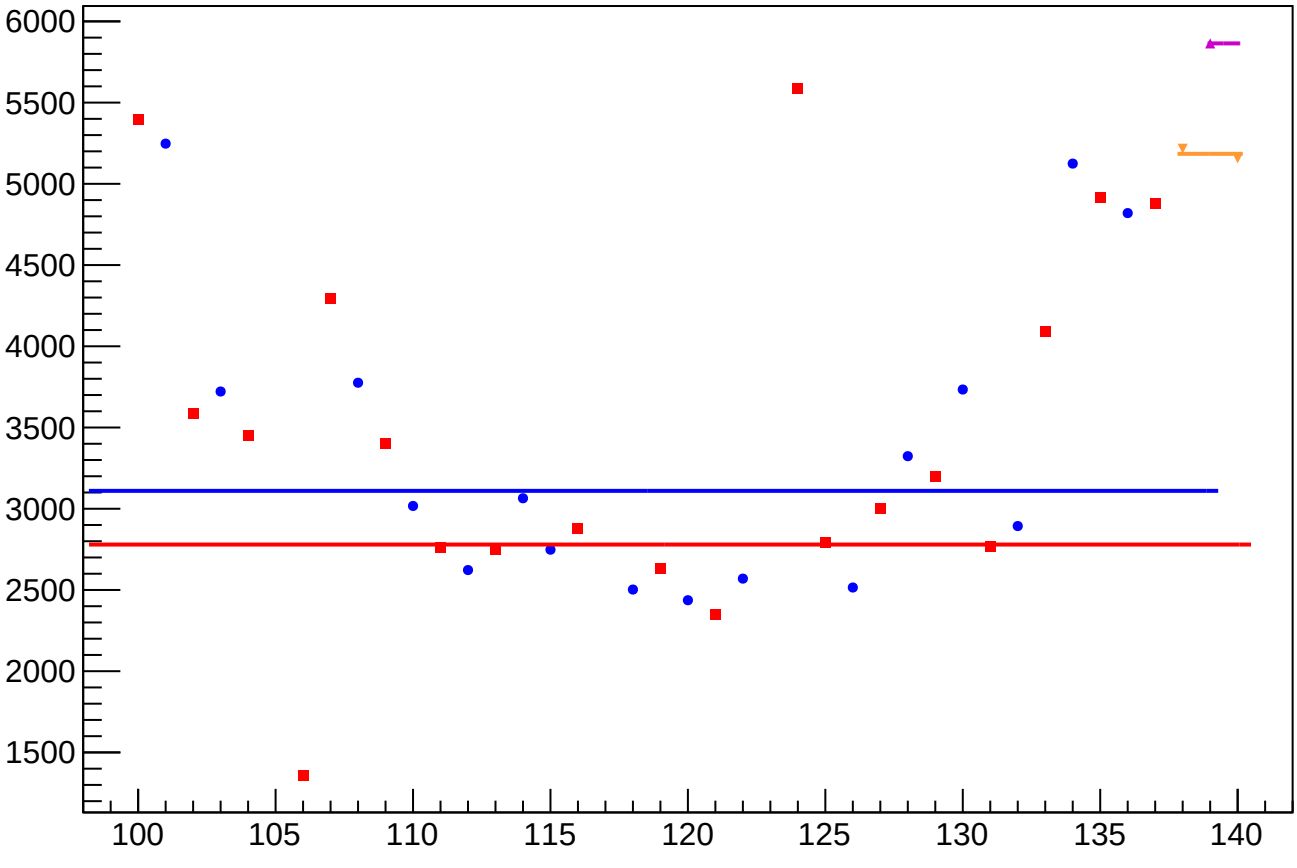
Left: 2920.128+/-3451.545 χ^2/NDF: 0.3/2

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -471.646+/-1178.024 χ^2/NDF:15.8/16

Out: 921.041+/-1034.816 χ^2/NDF:19.5/20

All: 314.452+/-777.454 χ^2/NDF: 36.1/37



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 5184.678+/-2.898 χ^2/NDF:103.9/1

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5864.398+/-4.526 χ^2/NDF:0.0/0

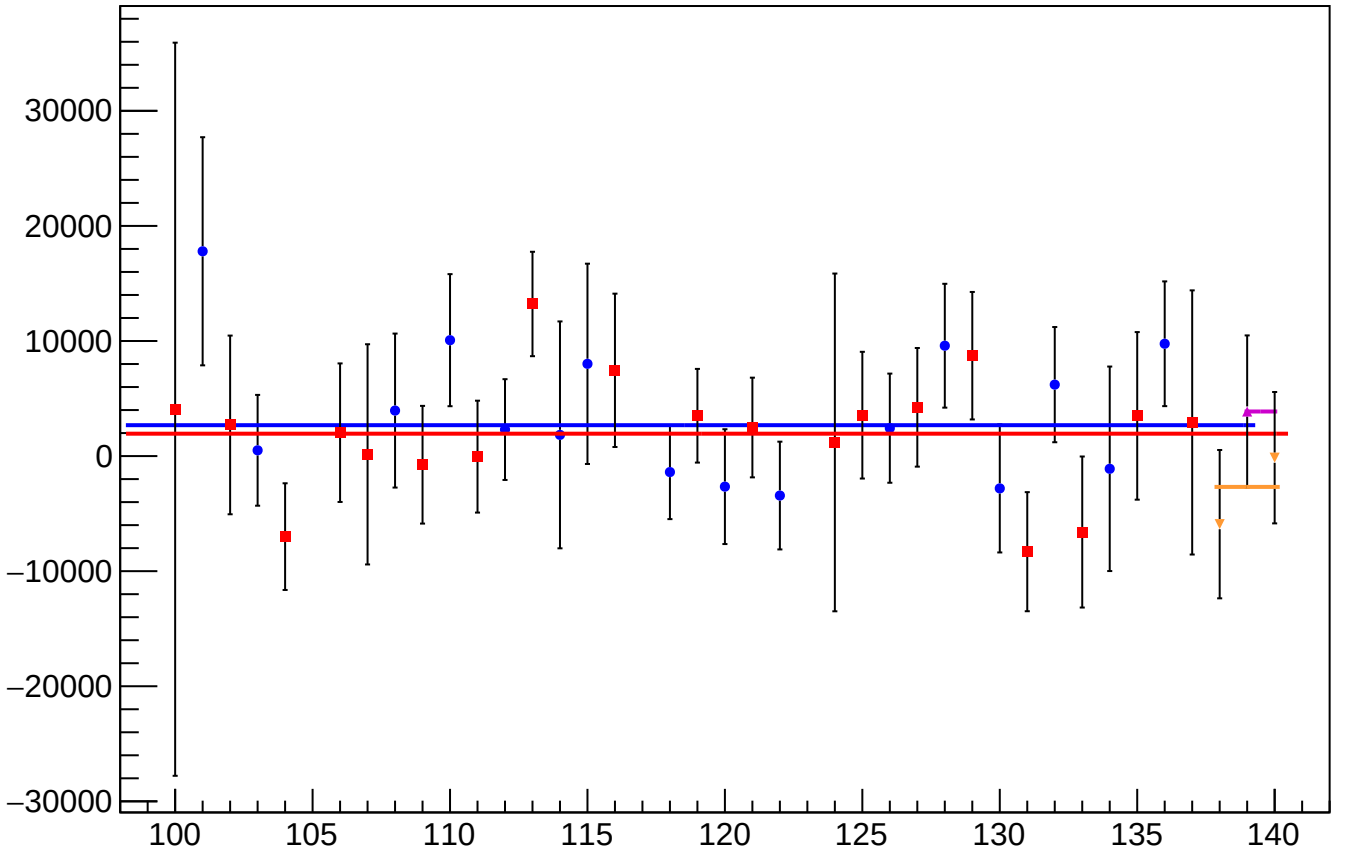
Left: 5382.369+/-2.441 χ^2/NDF: 16101.8/2

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3203.435+/-0.833 χ^2/NDF:1241127.3/16

Out: 2932.926+/-0.732 χ^2/NDF:1993015.9/20

All: 3050.747+/-0.550 χ^2/NDF: 3293669.5/37



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: -2679.013+/-4273.291 χ^2/NDF:0.5/1

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 3874.300+/-6611.601 χ^2/NDF:0.0/0

Left: -748.049+/-3588.916 χ^2/NDF: 1.1/2

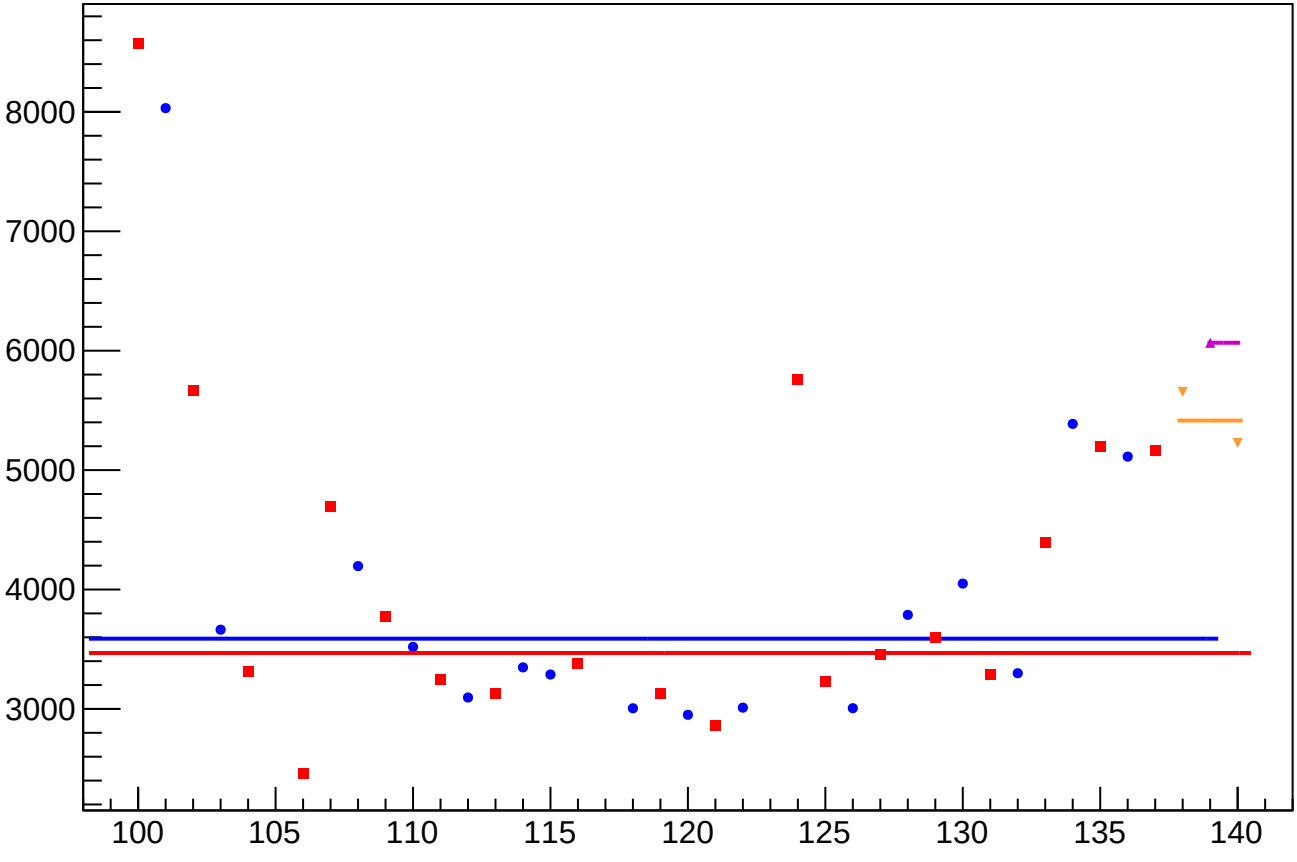
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2735.040+/-1350.800 χ^2/NDF:13.5/16

Out: 1535.591+/-1272.513 χ^2/NDF:20.2/20

All: 2099.553+/-926.243 χ^2/NDF: 34.1/37

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5414.988+/-3.022 χ^2/NDF:4932.6/1

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 6066.507+/-4.675 χ^2/NDF:0.0/0

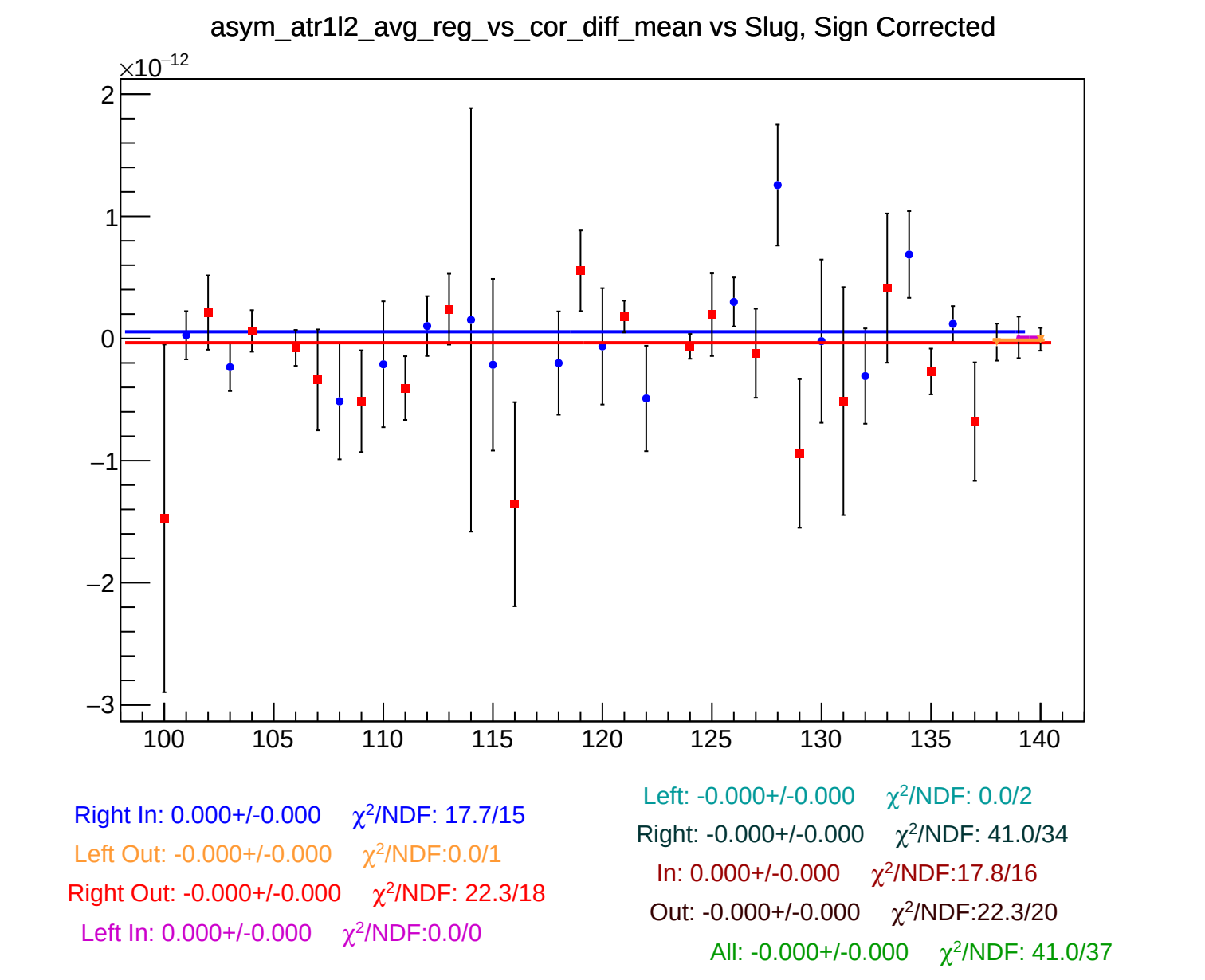
Left: 5606.961+/-2.538 χ^2/NDF: 18631.1/2

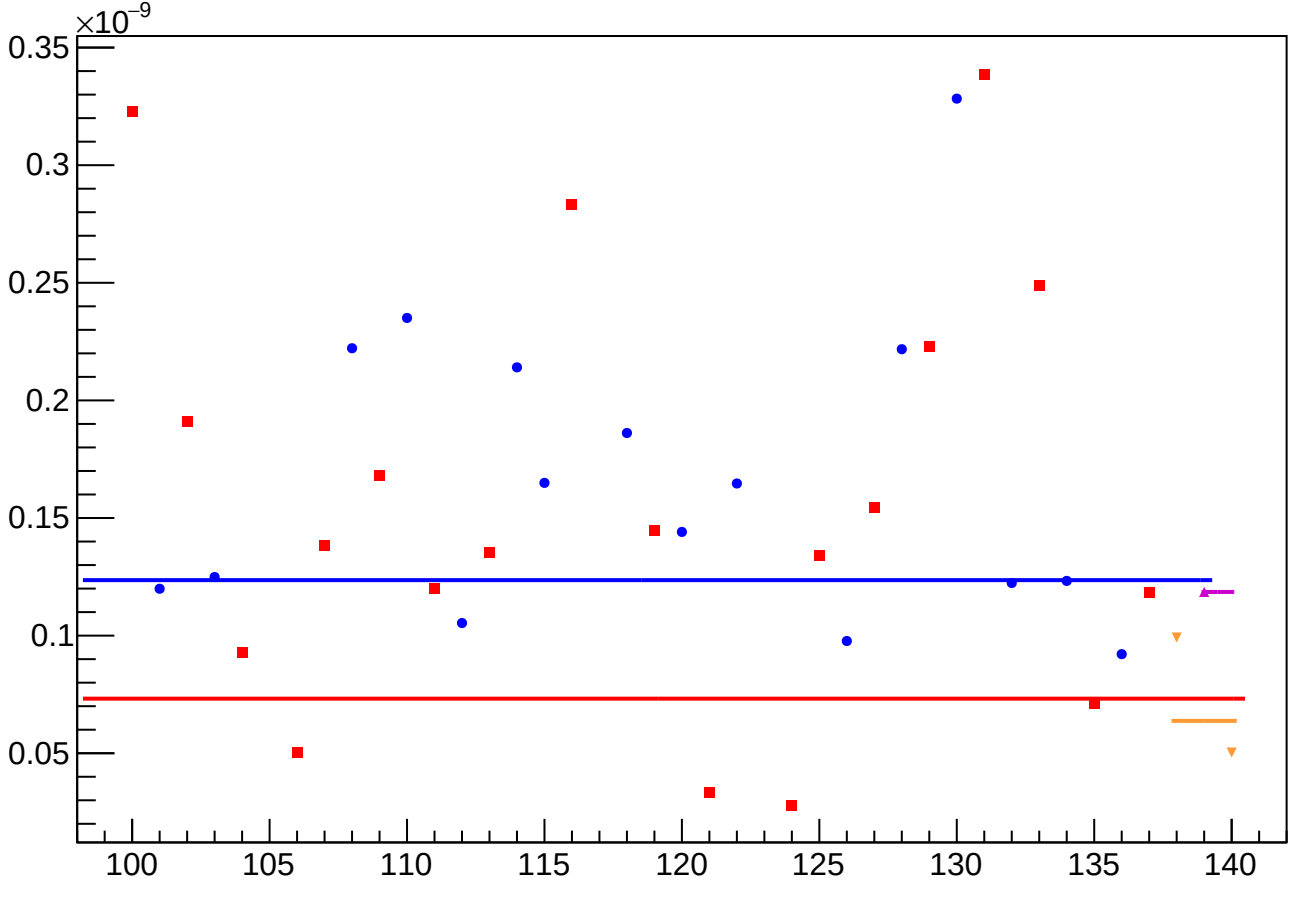
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 3691.869+/-0.955 χ^2/NDF:1114451.8/16

Out: 3636.464+/-0.887 χ^2/NDF:1050605.0/20

All: 3662.129+/-0.650 χ^2/NDF: 2166862.8/37


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: -0.000+/-0.000 χ²/NDF:0.0/1
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 0.0/2
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:17.8/16
Out: -0.000+/-0.000 χ²/NDF:22.3/20
All: -0.000+/-0.000 χ²/NDF: 41.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:151206.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 322022.4/2

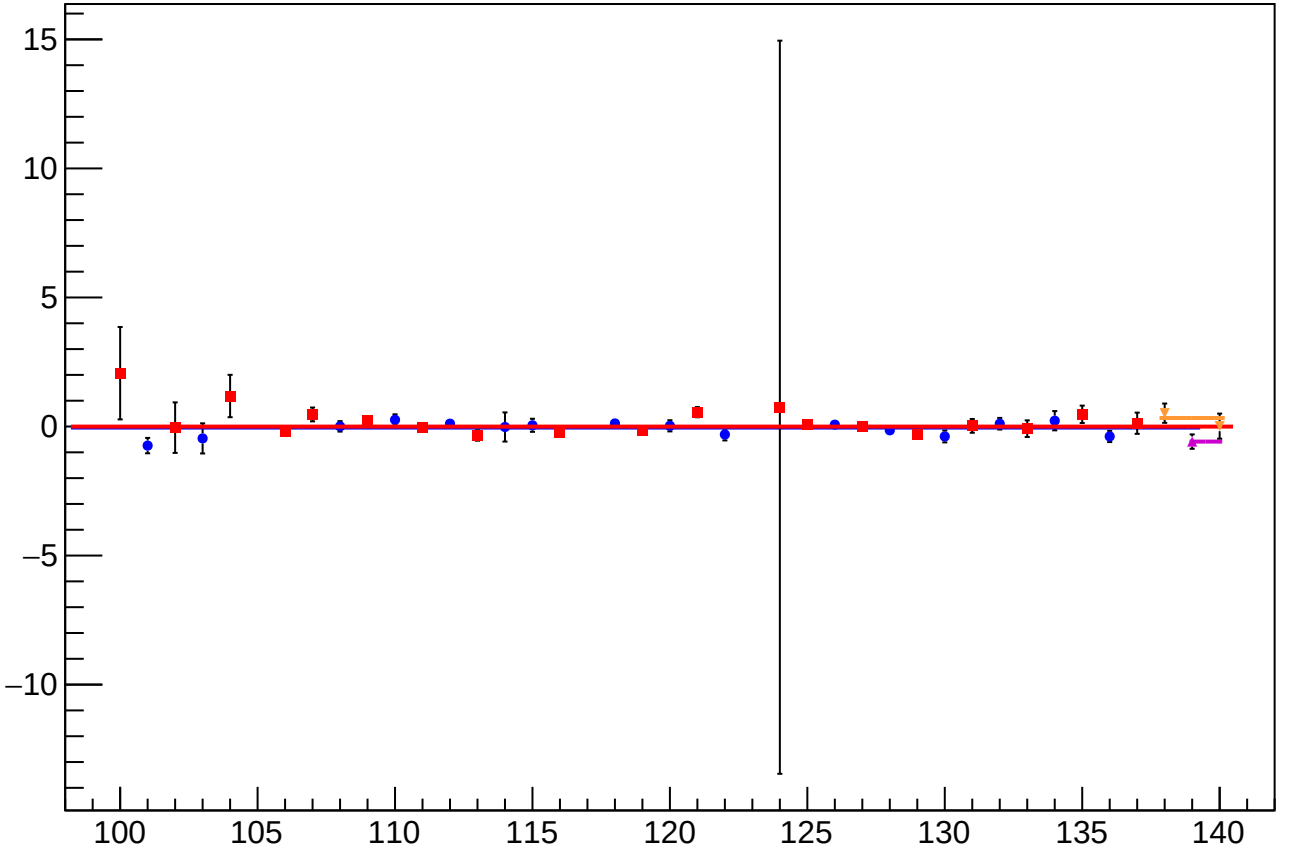
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:663621.7/16

Out: 0.000+/-0.000 χ^2/NDF:2359519.7/20

All: 0.000+/-0.000 χ^2/NDF: 3875864.7/37

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.330+/-0.296 χ^2/NDF:0.7/1

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.584+/-0.279 χ^2/NDF:0.0/0

Left: -0.154+/-0.203 χ^2/NDF: 5.7/2

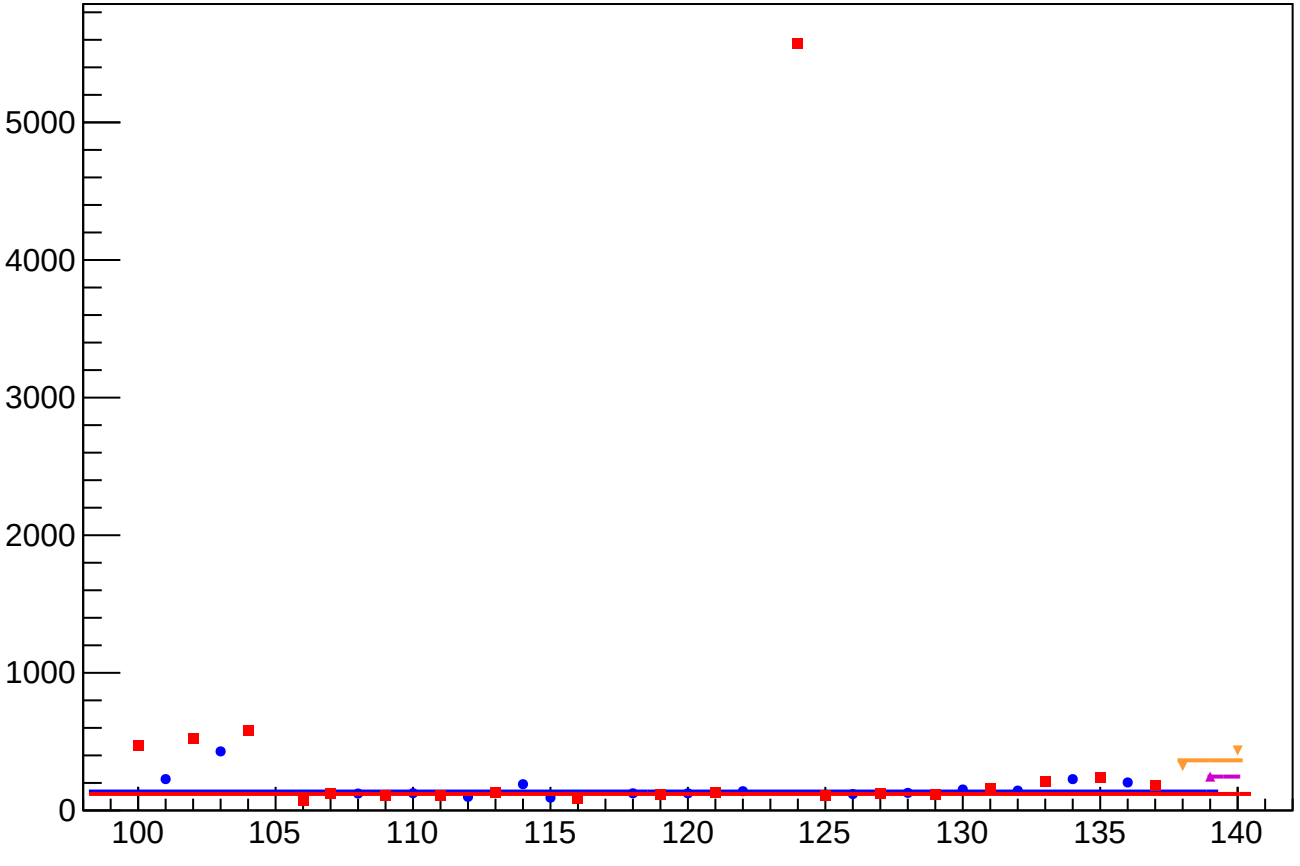
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.061+/-0.055 χ^2/NDF:21.6/16

Out: 0.007+/-0.050 χ^2/NDF:30.6/20

All: -0.024+/-0.037 χ^2/NDF: 53.0/37

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 364.283+/-0.209 χ^2/NDF:68914.1/1

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 246.121+/-0.197 χ^2/NDF:0.0/0

Left: 301.712+/-0.143 χ^2/NDF: 237864.4/2

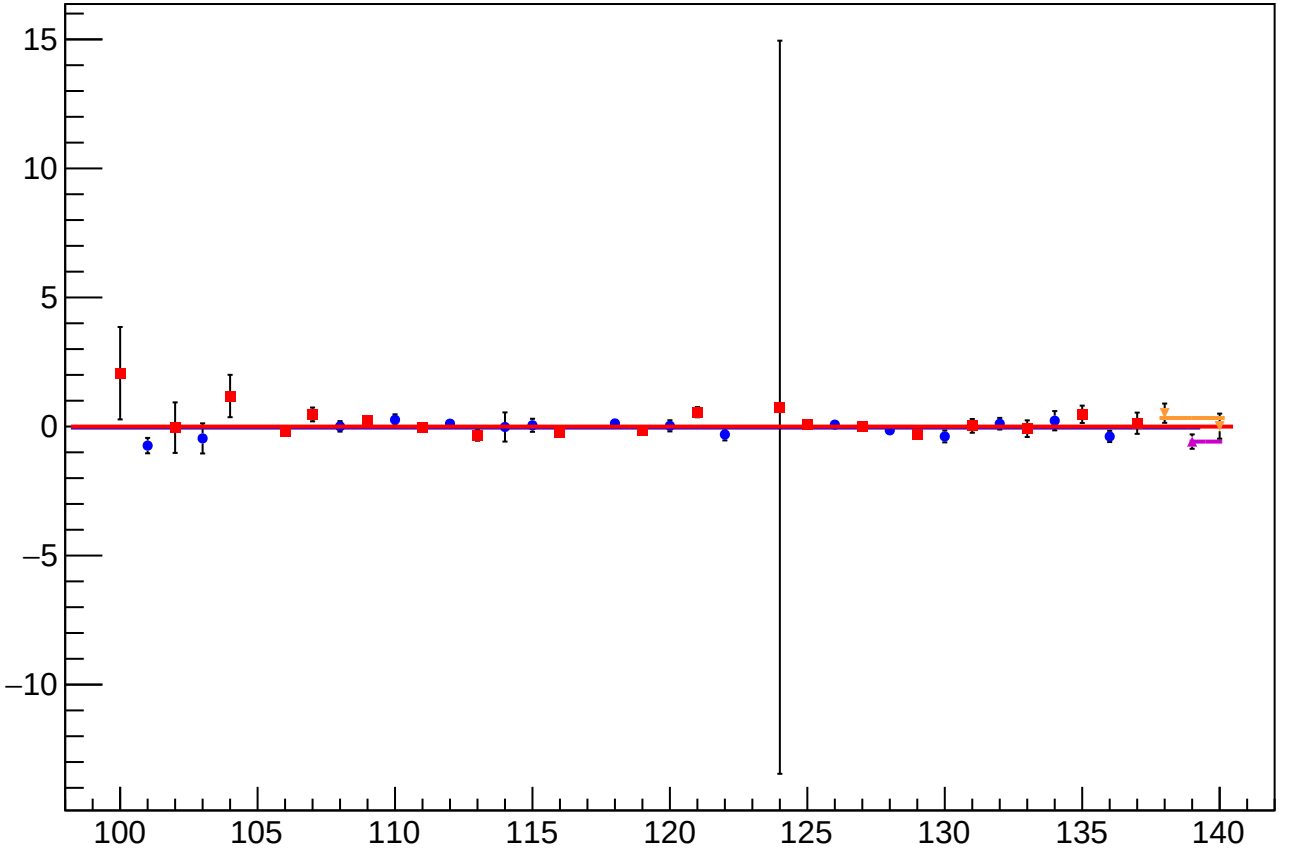
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 141.588+/-0.039 χ^2/NDF:1560567.5/16

Out: 127.036+/-0.035 χ^2/NDF:3533116.0/20

All: 133.683+/-0.026 χ^2/NDF: 5170484.1/37

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.330+/-0.296 χ^2/NDF:0.7/1

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.584+/-0.279 χ^2/NDF:0.0/0

Left: -0.154+/-0.203 χ^2/NDF: 5.7/2

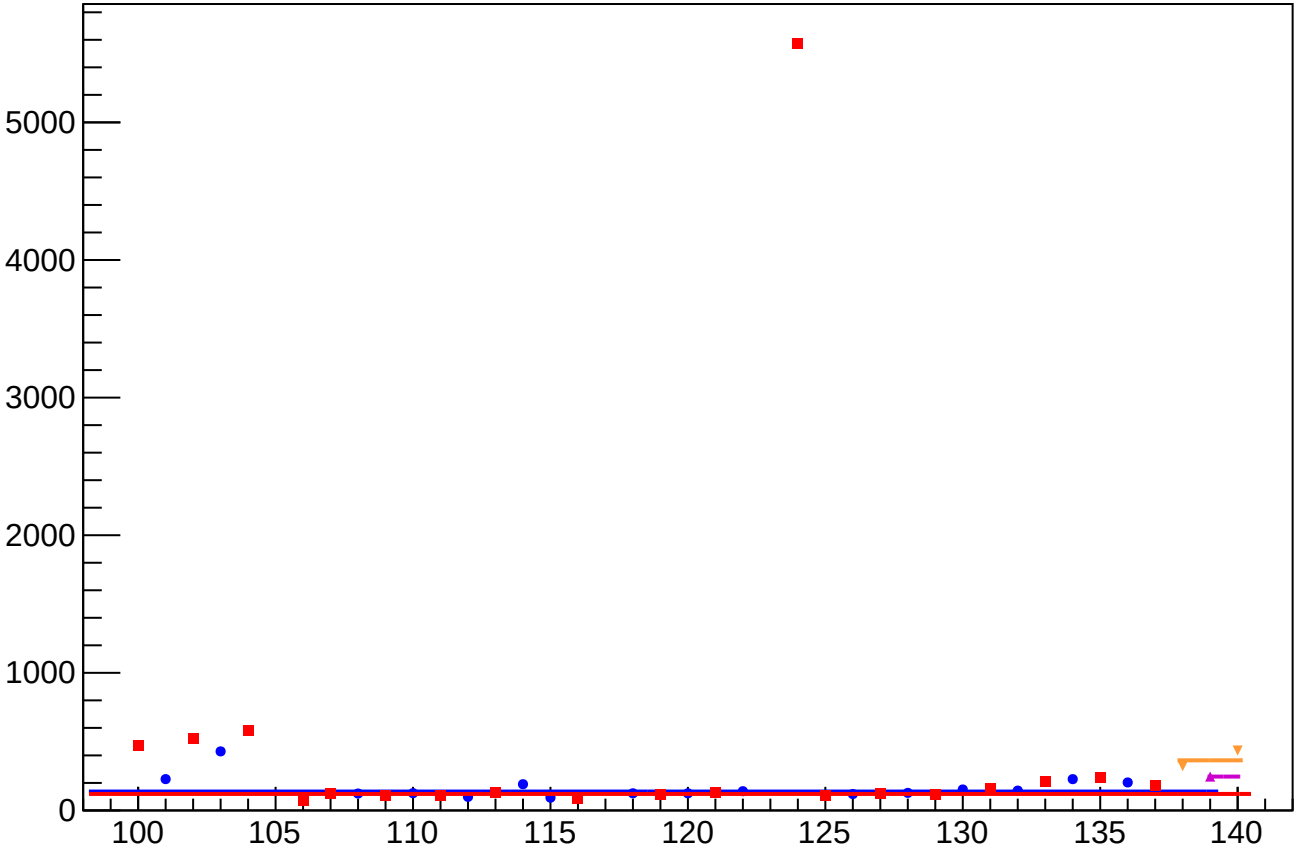
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.061+/-0.055 χ^2/NDF:21.6/16

Out: 0.007+/-0.050 χ^2/NDF:30.6/20

All: -0.024+/-0.037 χ^2/NDF: 53.0/37

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 364.283+/-0.209 χ^2/NDF:68914.1/1

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 246.121+/-0.197 χ^2/NDF:0.0/0

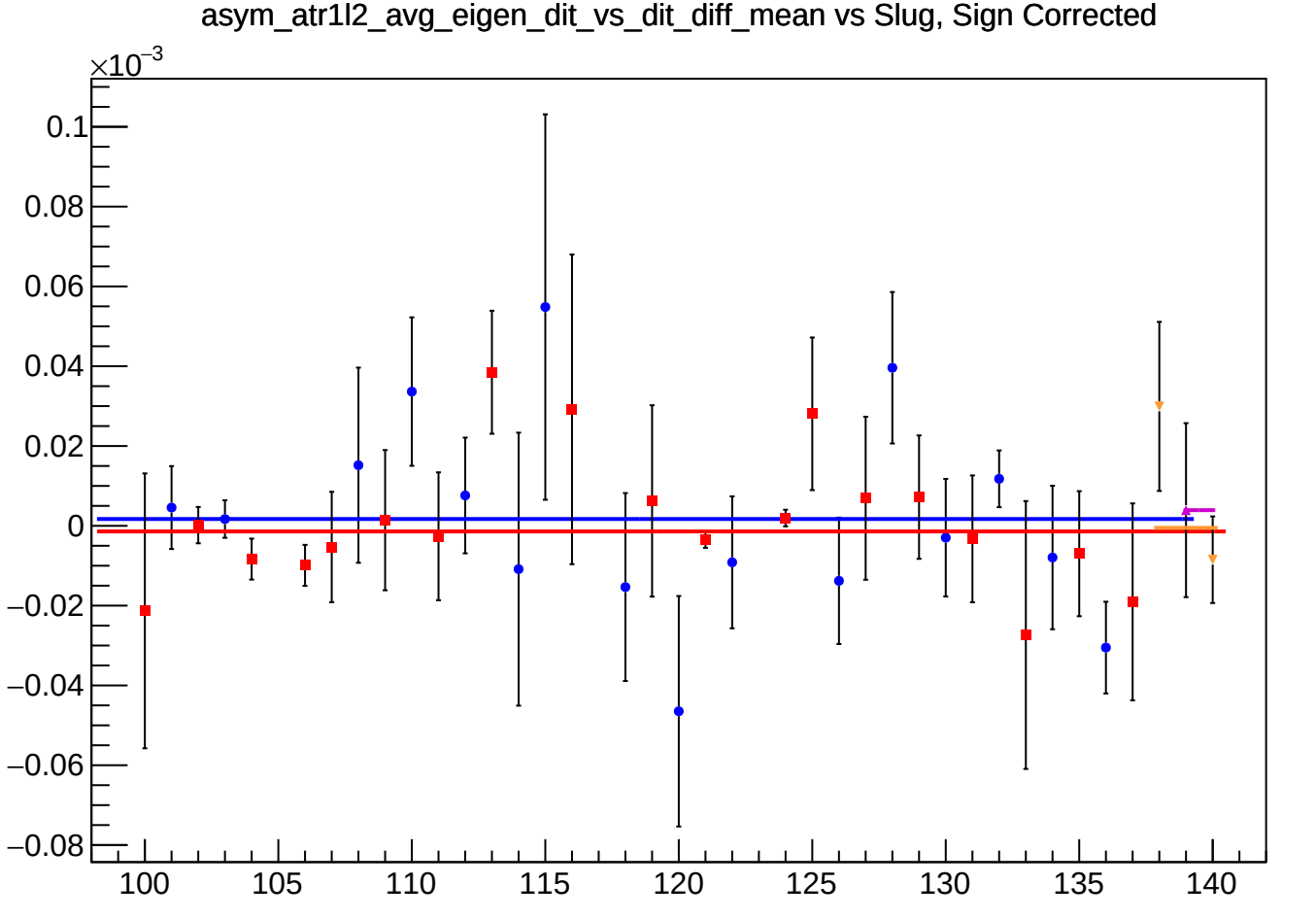
Left: 301.712+/-0.143 χ^2/NDF: 237864.4/2

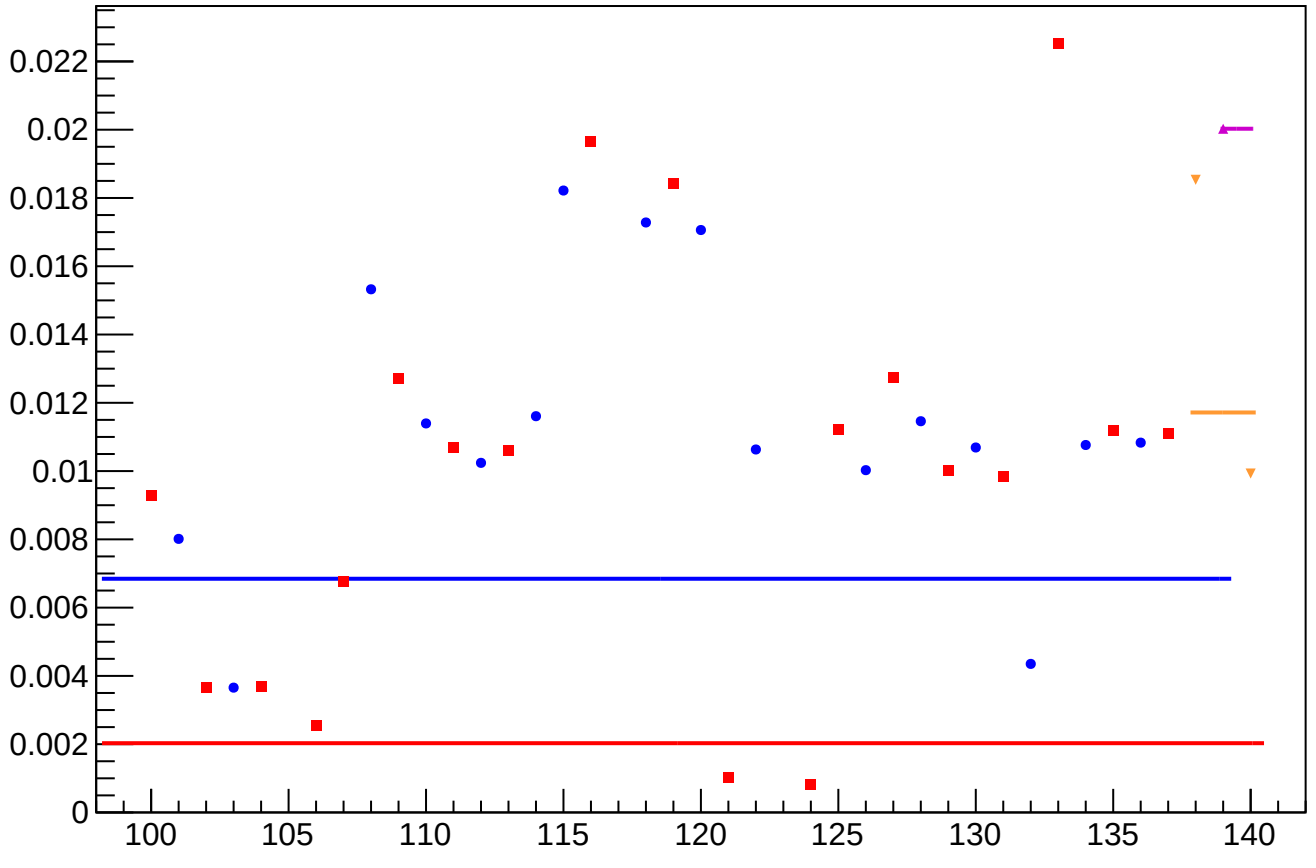
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 141.588+/-0.039 χ^2/NDF:1560567.5/16

Out: 127.036+/-0.035 χ^2/NDF:3533116.0/20

All: 133.683+/-0.026 χ^2/NDF: 5170484.1/37


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 23.8/15
Left Out: -0.000+/-0.000 χ²/NDF:2.6/1
Right Out: -0.000+/-0.000 χ²/NDF: 20.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 2.6/2
Right: -0.000+/-0.000 χ²/NDF: 45.0/34
In: 0.000+/-0.000 χ²/NDF:23.8/16
Out: -0.000+/-0.000 χ²/NDF:22.9/20
All: -0.000+/-0.000 χ²/NDF: 47.6/37



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.012+/-0.000 χ^2/NDF:261214.6/1

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.020+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.000 χ^2/NDF: 504234.1/2

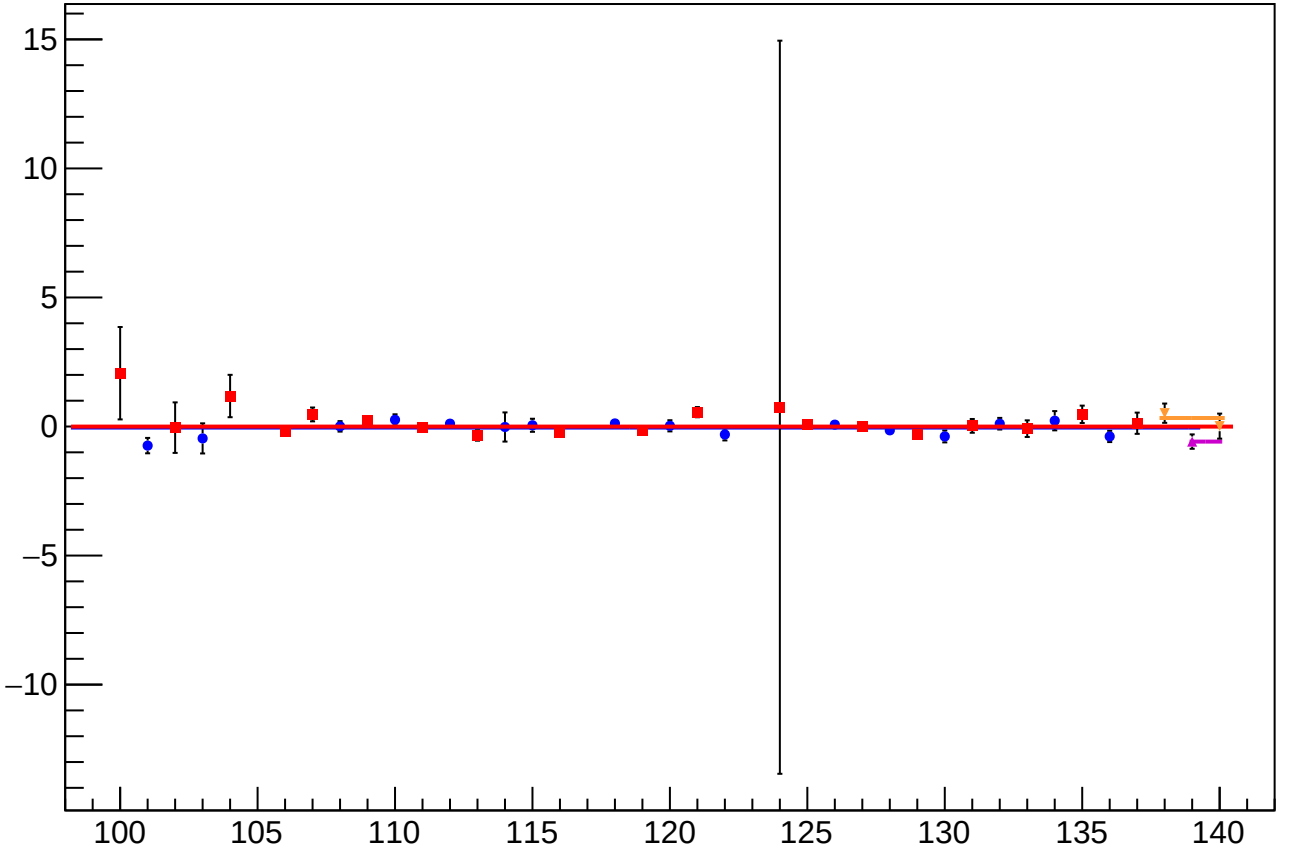
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.007+/-0.000 χ^2/NDF:3948169.6/16

Out: 0.002+/-0.000 χ^2/NDF:11246235.7/20

All: 0.003+/-0.000 χ^2/NDF: 19895544.9/37

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.330+/-0.296 χ^2/NDF:0.7/1

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.584+/-0.279 χ^2/NDF:0.0/0

Left: -0.154+/-0.203 χ^2/NDF: 5.7/2

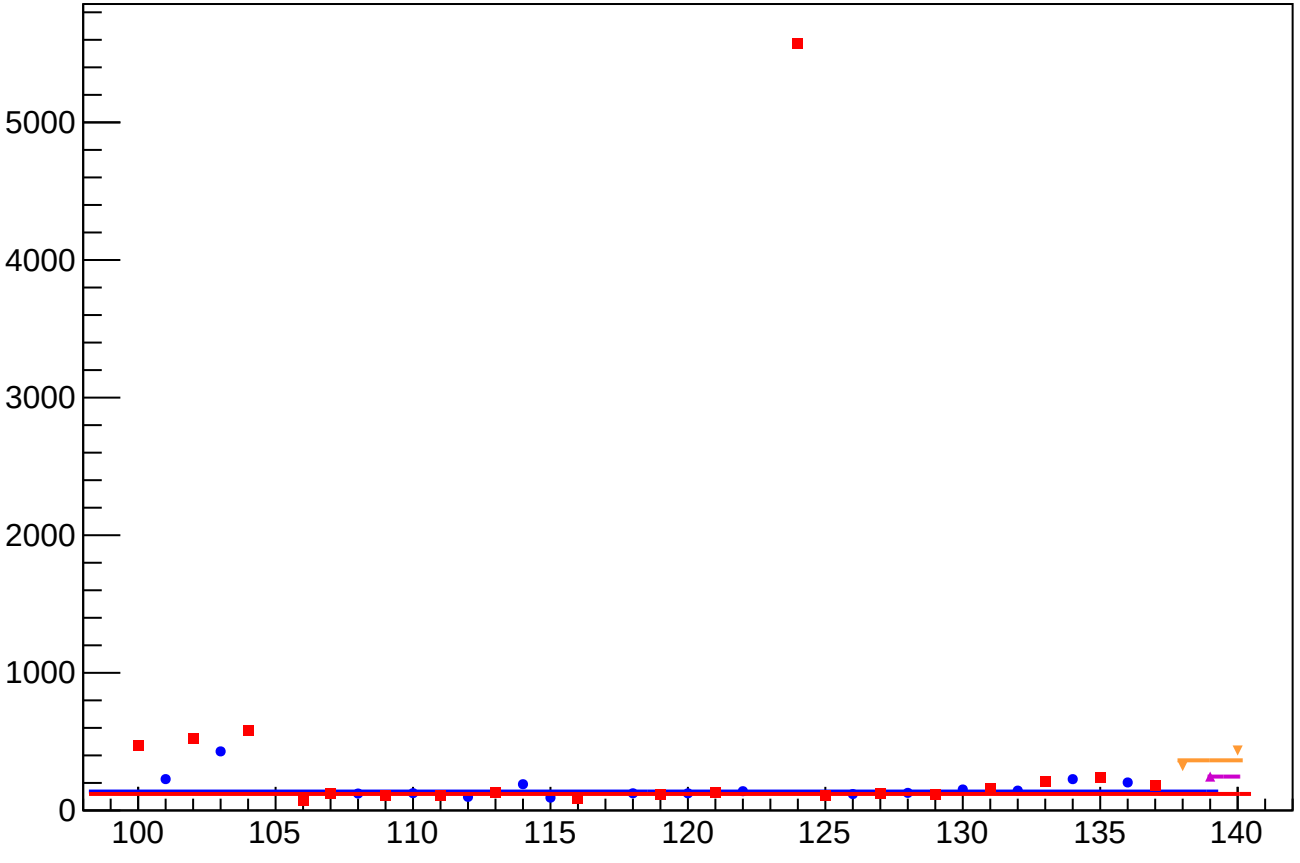
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.061+/-0.055 χ^2/NDF:21.6/16

Out: 0.007+/-0.050 χ^2/NDF:30.6/20

All: -0.024+/-0.037 χ^2/NDF: 53.0/37

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 364.286+/-0.209 χ^2/NDF:68917.7/1

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 246.129+/-0.197 χ^2/NDF:0.0/0

Left: 301.719+/-0.143 χ^2/NDF: 237847.4/2

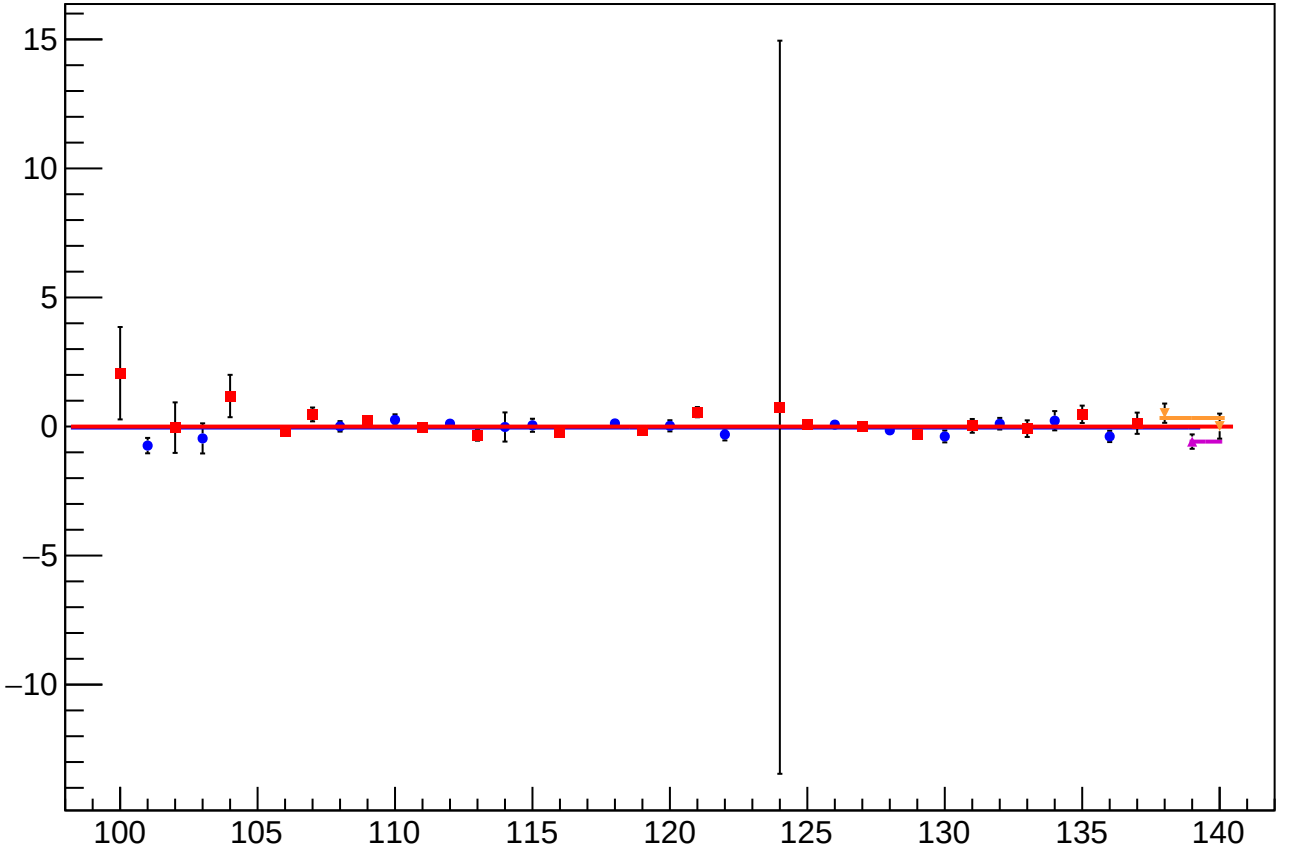
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 141.589+/-0.039 χ^2/NDF:1560526.7/16

Out: 127.036+/-0.035 χ^2/NDF:3533057.3/20

All: 133.683+/-0.026 χ^2/NDF: 5170394.4/37

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.330+/-0.296 χ^2/NDF:0.7/1

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.584+/-0.279 χ^2/NDF:0.0/0

Left: -0.154+/-0.203 χ^2/NDF: 5.7/2

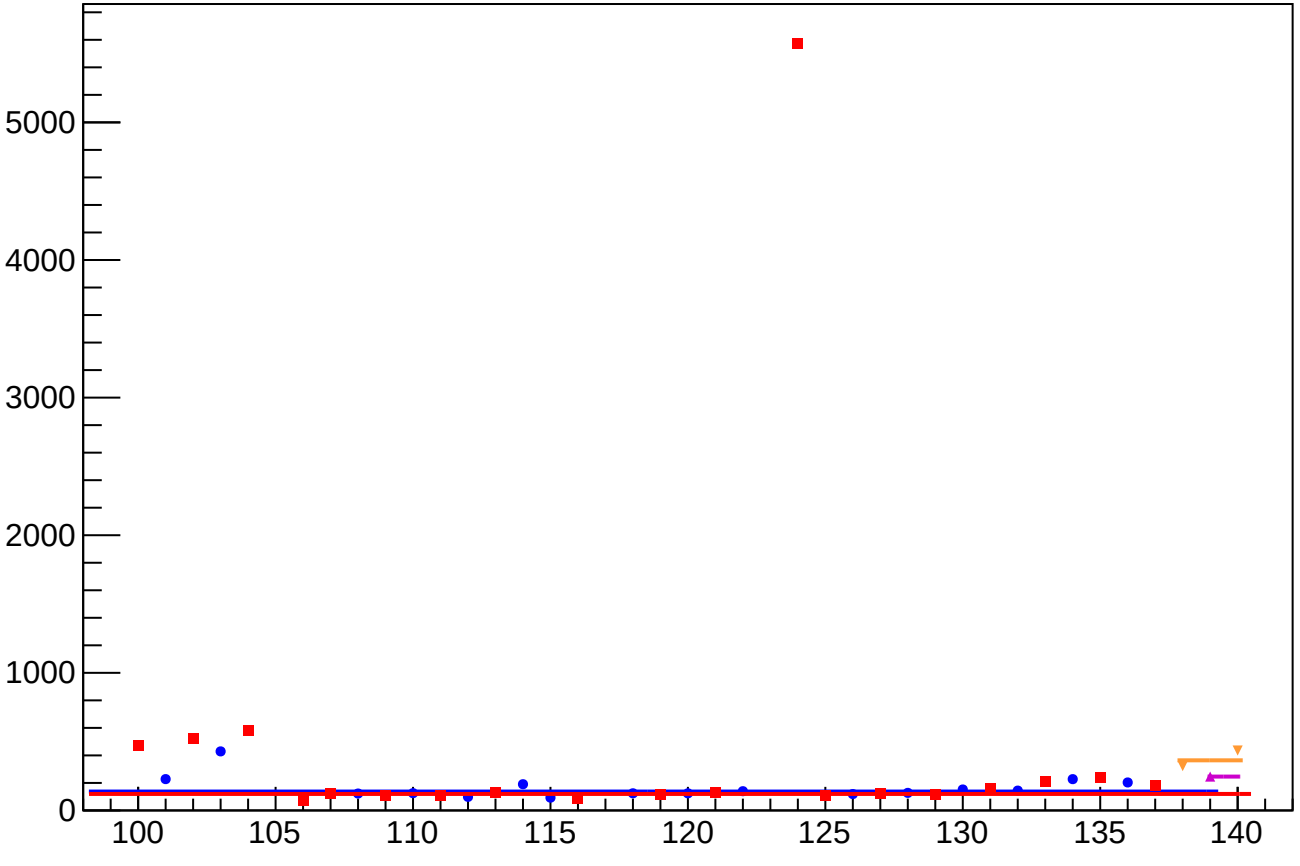
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.061+/-0.055 χ^2/NDF:21.6/16

Out: 0.007+/-0.050 χ^2/NDF:30.6/20

All: -0.024+/-0.037 χ^2/NDF: 53.0/37

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 364.286+/-0.209 χ^2/NDF:68917.7/1

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 246.129+/-0.197 χ^2/NDF:0.0/0

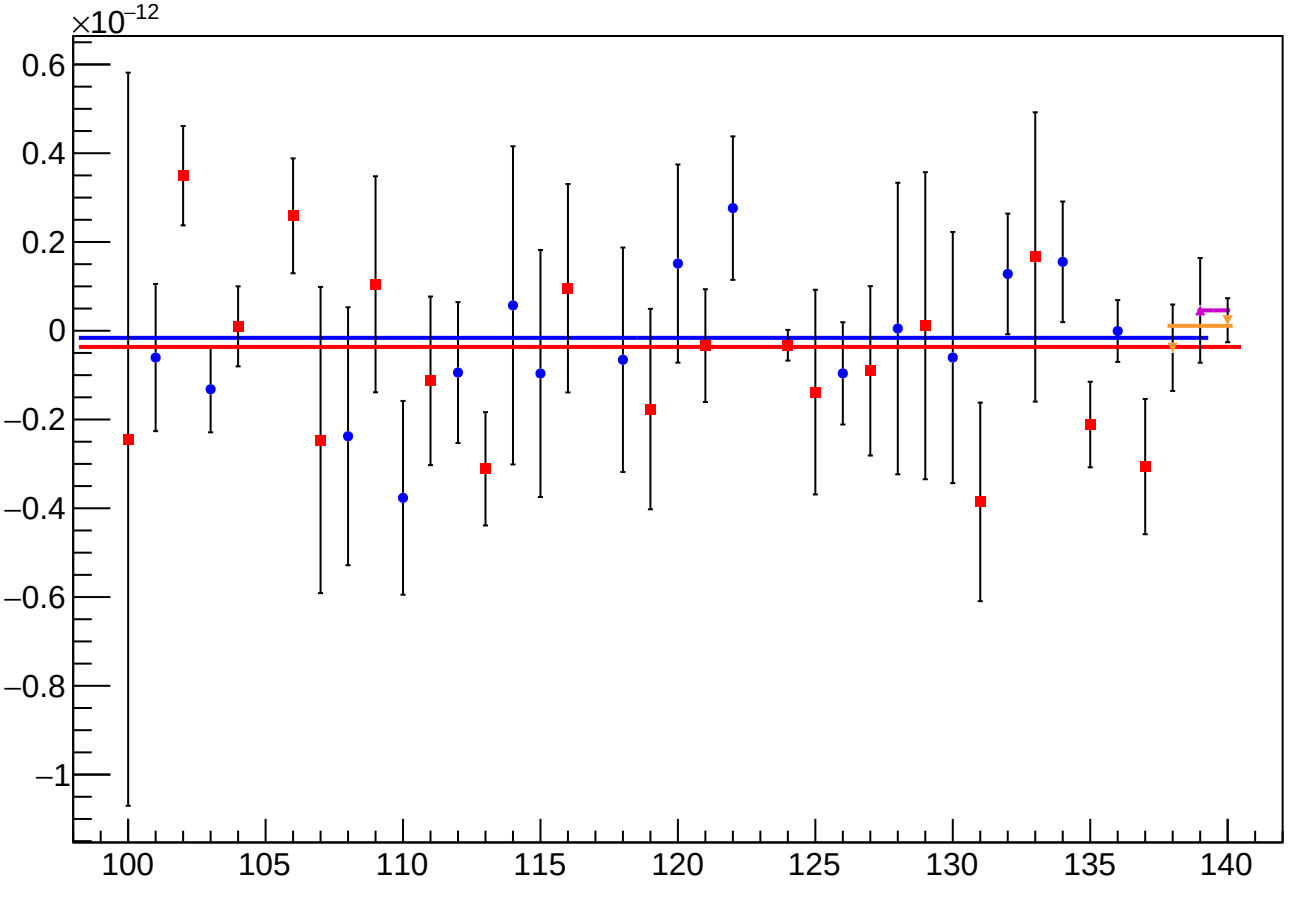
Left: 301.719+/-0.143 χ^2/NDF: 237847.4/2

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 141.589+/-0.039 χ^2/NDF:1560526.7/16

Out: 127.036+/-0.035 χ^2/NDF:3533057.3/20

All: 133.683+/-0.026 χ^2/NDF: 5170394.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

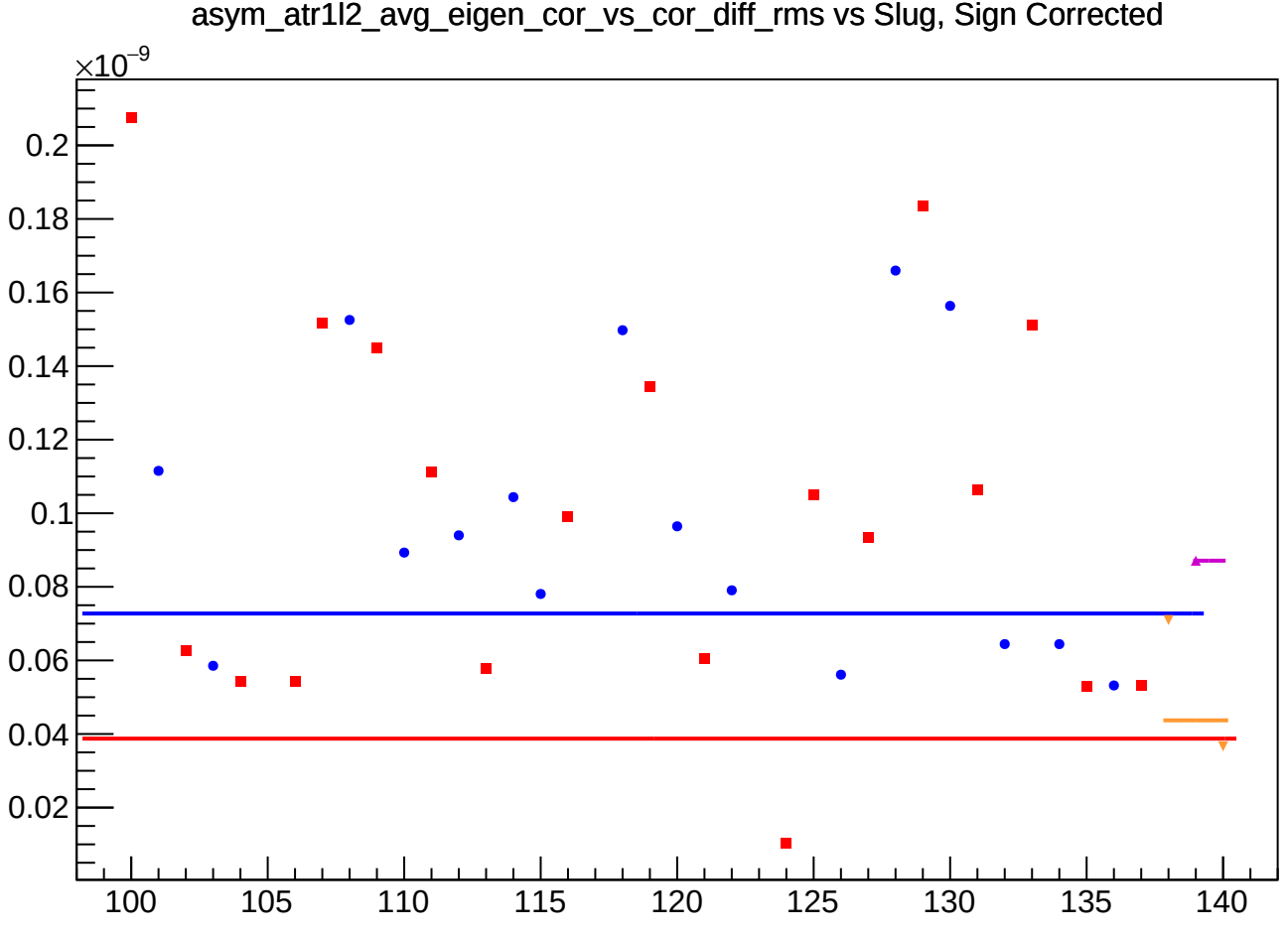
Left: 0.000+/-0.000 χ^2/NDF: 0.4/2

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

In: -0.000+/-0.000 χ^2/NDF:12.6/16

Out: -0.000+/-0.000 χ^2/NDF:34.3/20

All: -0.000+/-0.000 χ^2/NDF: 47.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:197306.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 434605.6/2

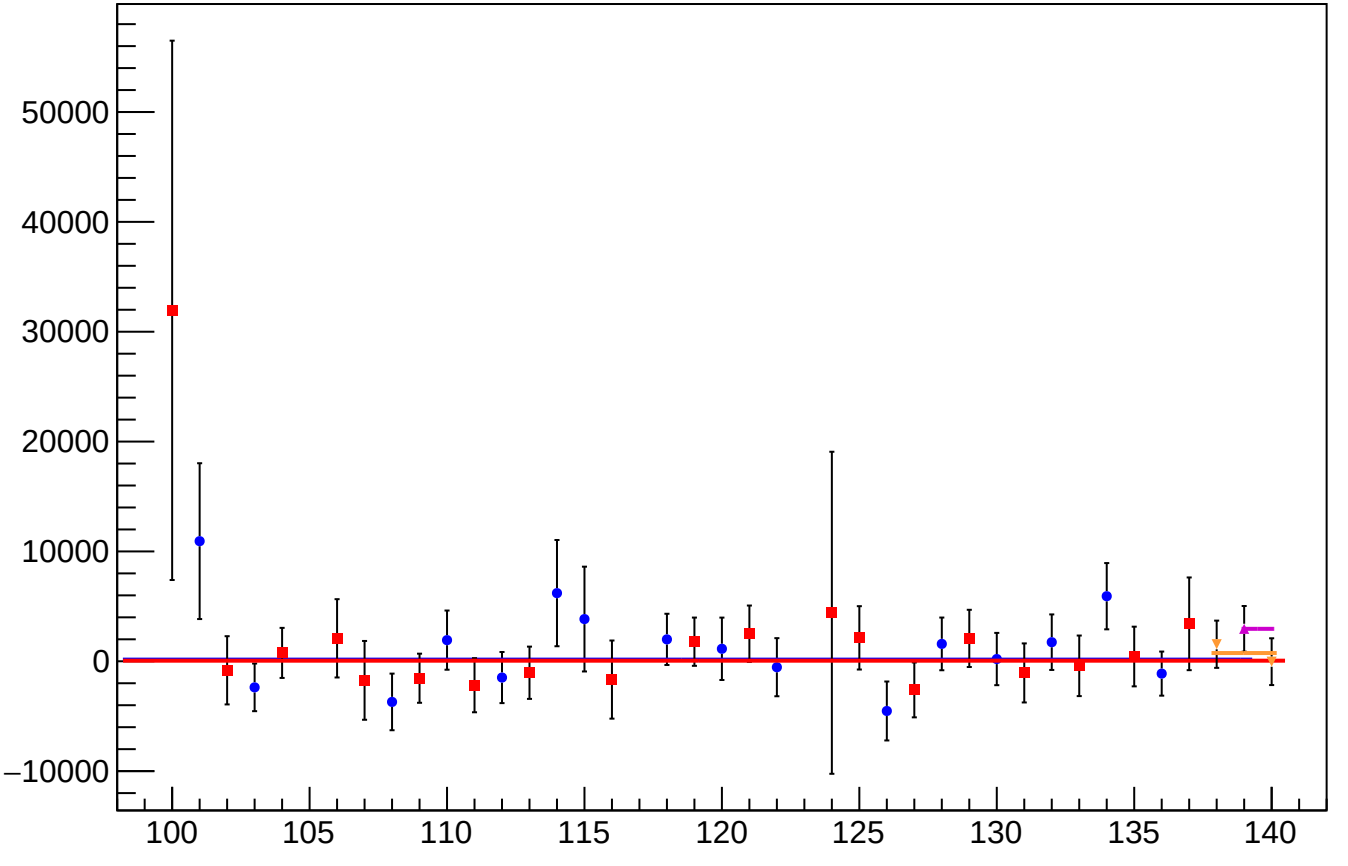
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:1154995.4/16

Out: 0.000+/-0.000 χ^2/NDF:4482344.7/20

All: 0.000+/-0.000 χ^2/NDF: 6966922.1/37

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 749.631+/-1512.984 χ^2/NDF:0.3/1

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 2953.778+/-2078.076 χ^2/NDF:0.0/0

Left: 1513.239+/-1223.141 χ^2/NDF: 1.0/2

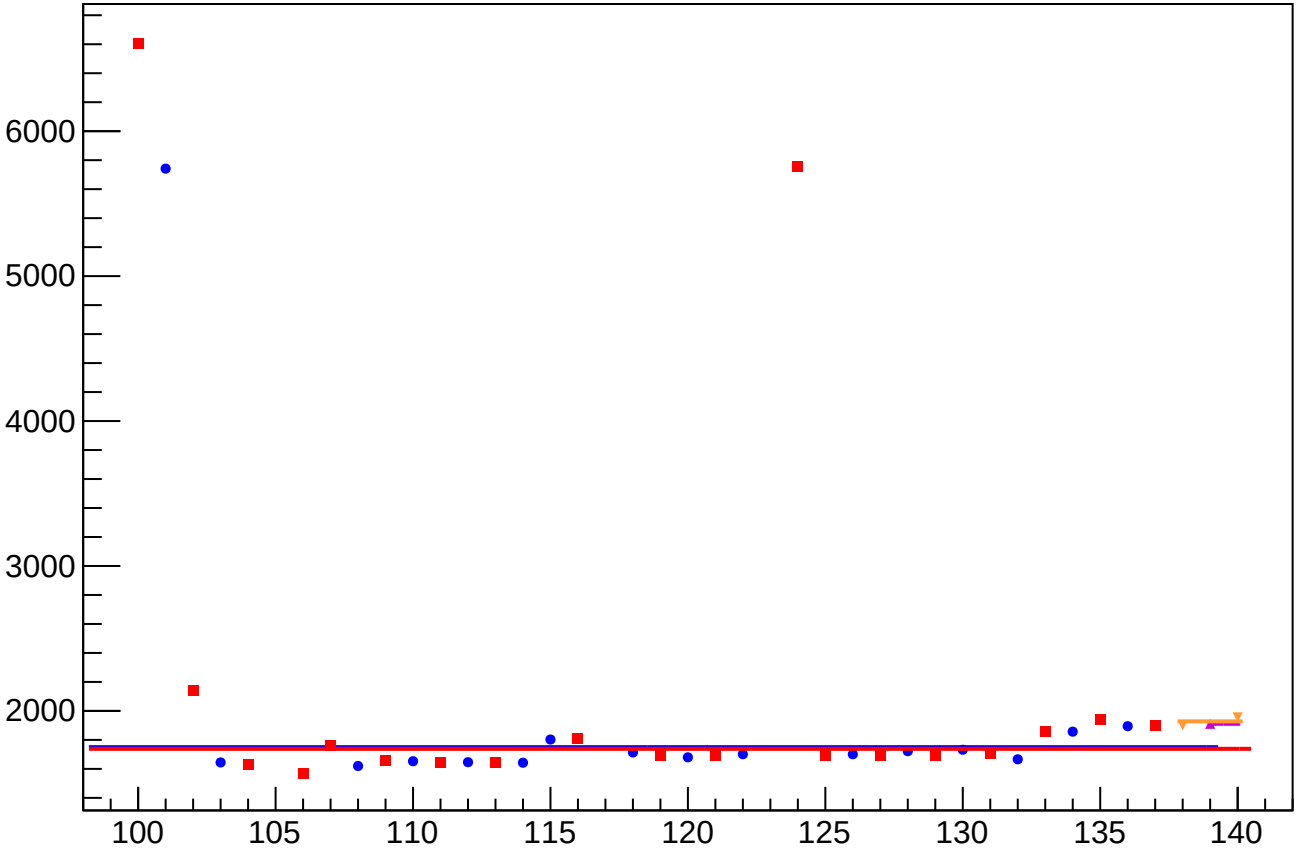
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 412.546+/-635.113 χ^2/NDF:19.3/16

Out: 163.961+/-601.295 χ^2/NDF:9.4/20

All: 281.460+/-436.646 χ^2/NDF: 28.8/37

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1927.695+/-1.070 χ^2/NDF:682.7/1

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1911.146+/-1.469 χ^2/NDF:0.0/0

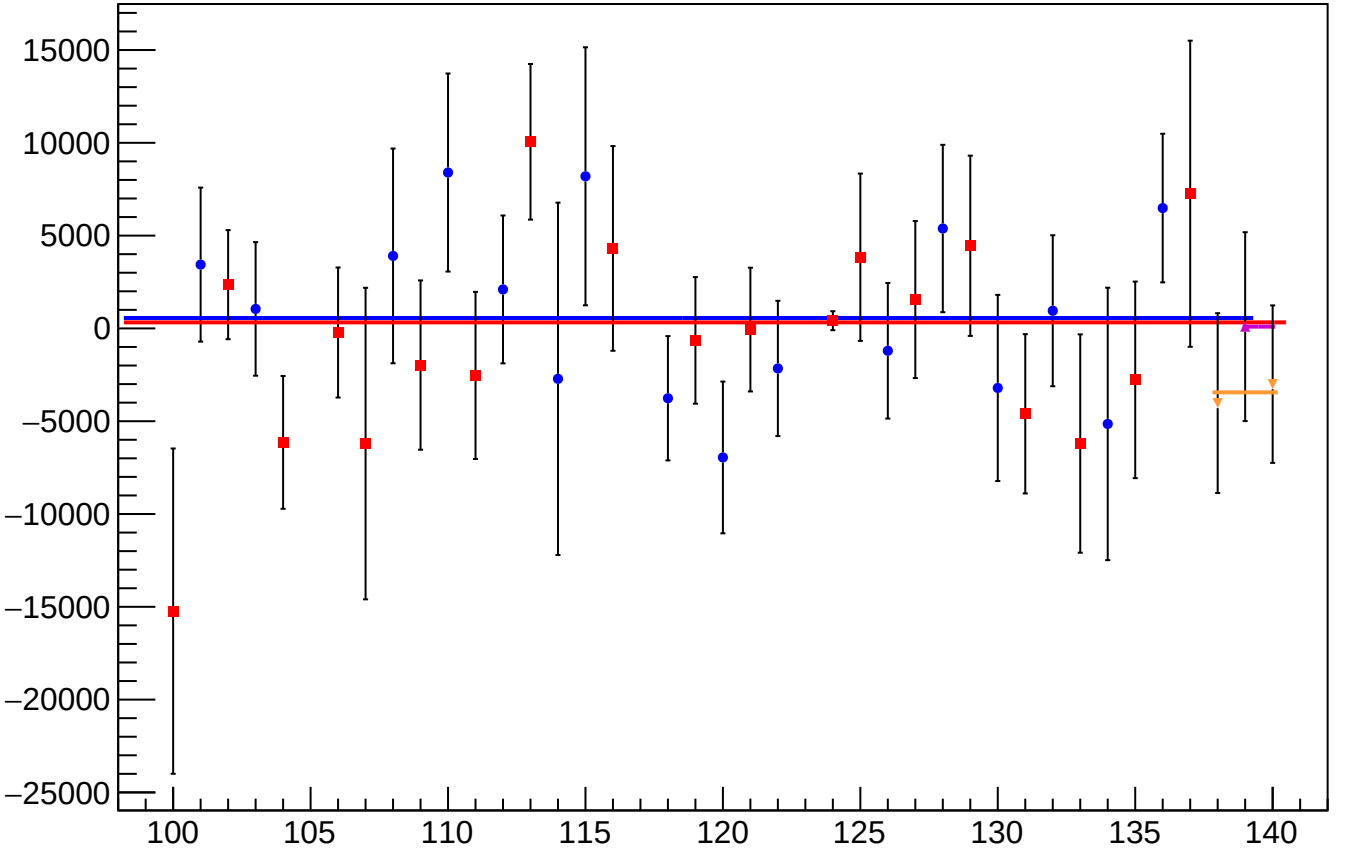
Left: 1921.962+/-0.865 χ^2/NDF: 765.6/2

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1764.929+/-0.449 χ^2/NDF:680497.7/16

Out: 1768.008+/-0.423 χ^2/NDF:331573.0/20

All: 1766.562+/-0.308 χ^2/NDF: 1012095.6/37



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: -3445.864+/-3191.395 χ^2/NDF:0.0/1

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: 95.904+/-5088.241 χ^2/NDF:0.0/0

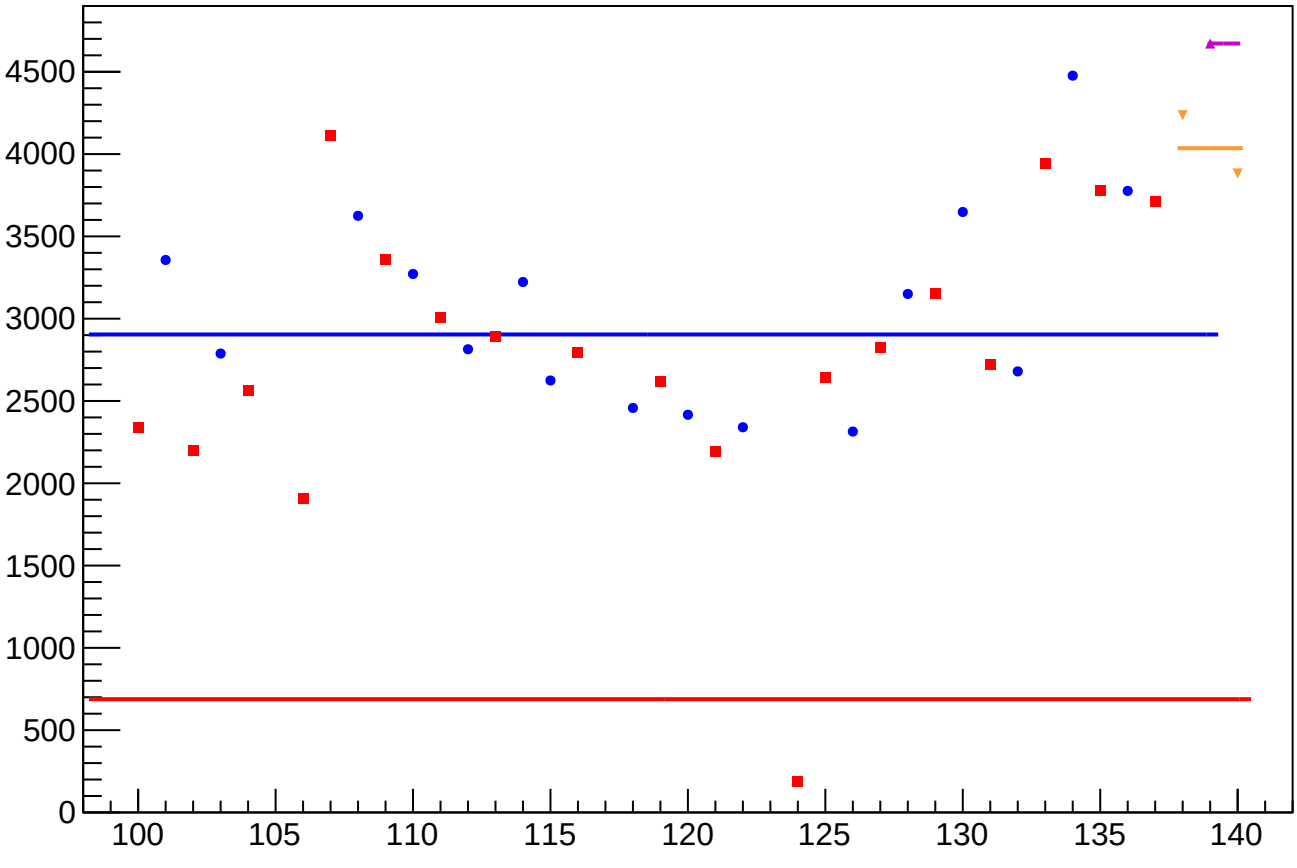
Left: -2445.927+/-2703.609 χ^2/NDF: 0.4/2

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 541.471+/-1076.248 χ^2/NDF:14.8/16

Out: 249.477+/-453.305 χ^2/NDF:20.6/20

All: 293.472+/-417.761 χ^2/NDF: 35.5/37



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 4035.912+/-2.257 χ^2/NDF:6042.7/1

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4671.705+/-3.598 χ^2/NDF:0.0/0

Left: 4215.413+/-1.912 χ^2/NDF: 28453.2/2

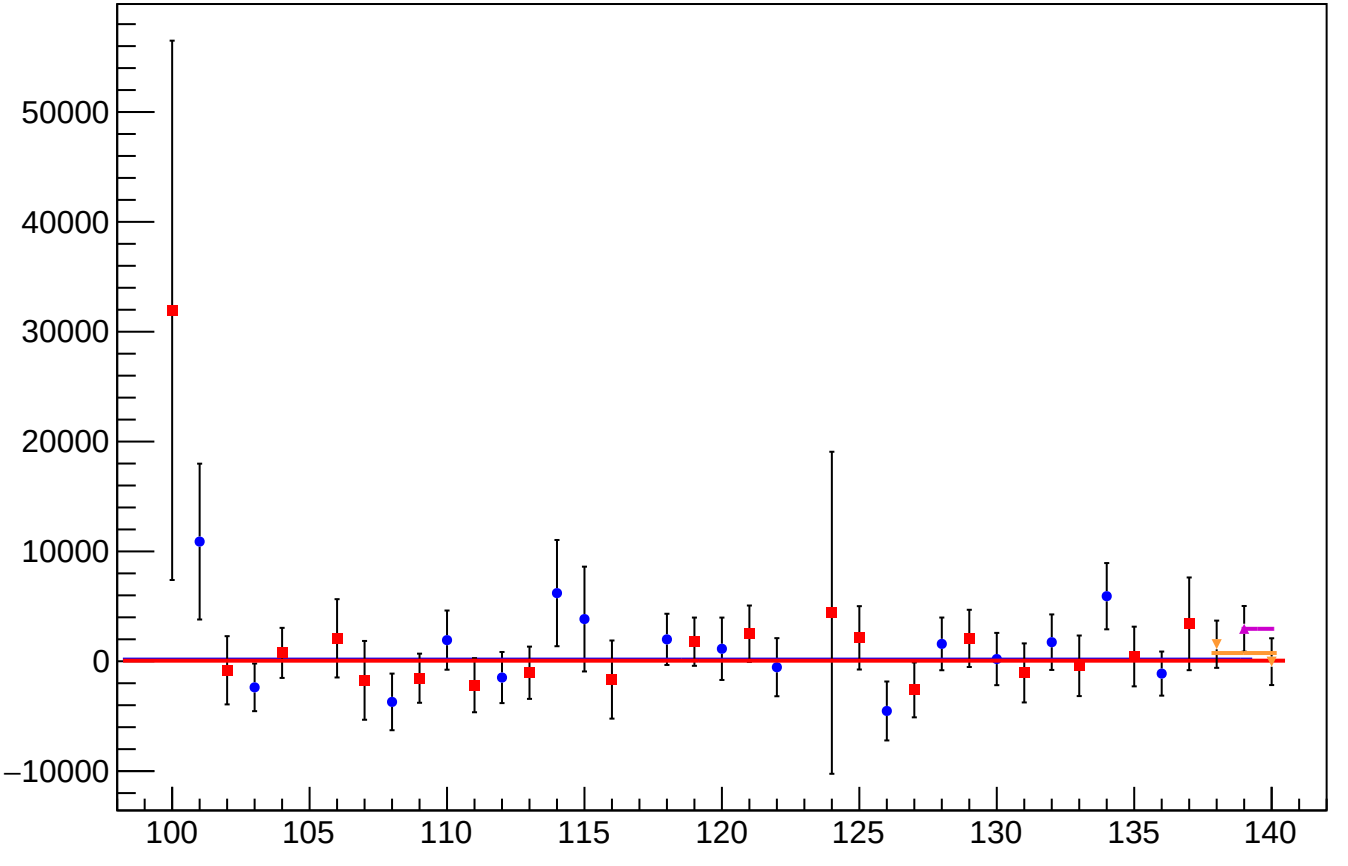
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 2983.143+/-0.761 χ^2/NDF:710346.5/16

Out: 755.858+/-0.321 χ^2/NDF:12311124.2/20

All: 1091.446+/-0.295 χ^2/NDF: 20296458.9/3

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 749.517+/-1512.984 χ^2/NDF:0.3/1

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 2954.196+/-2078.076 χ^2/NDF:0.0/0

Left: 1513.310+/-1223.141 χ^2/NDF: 1.0/2

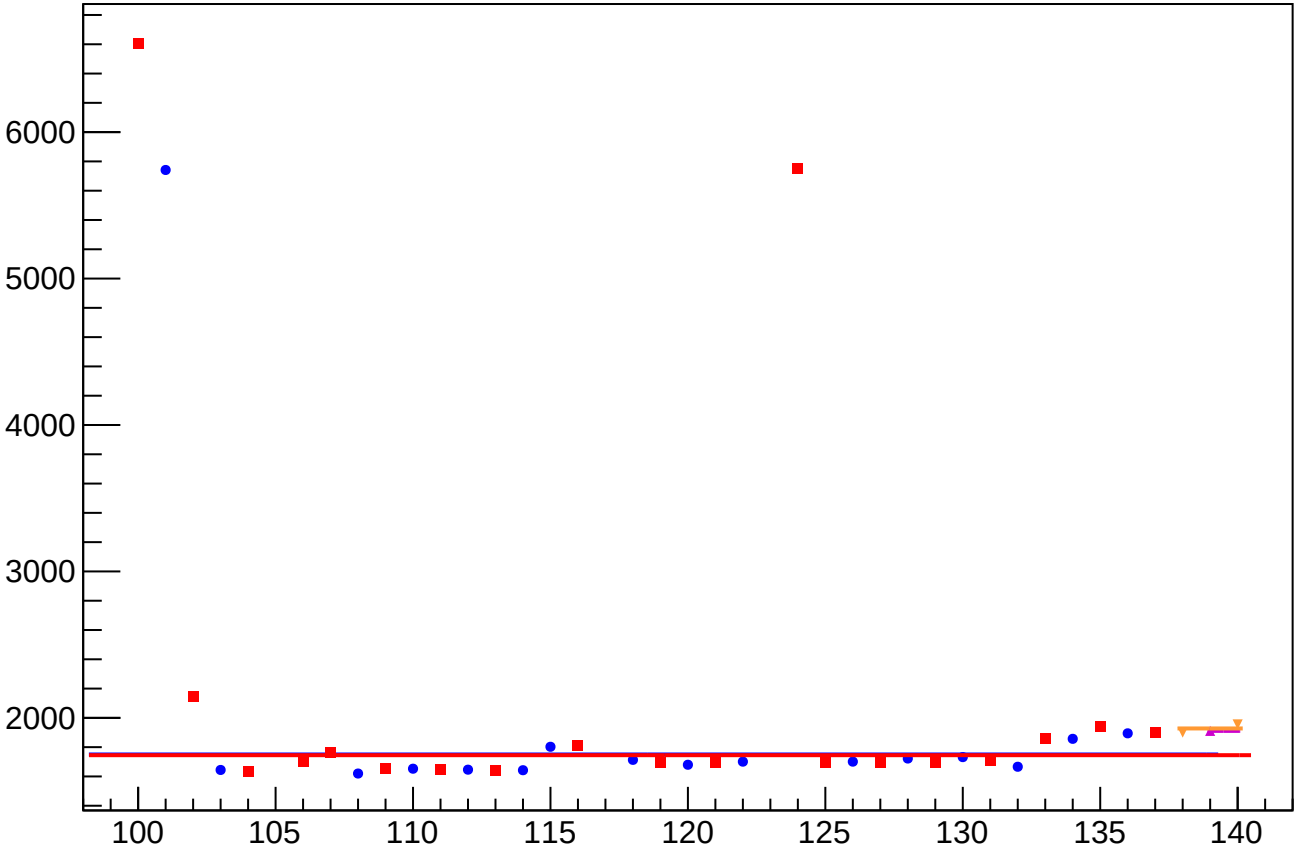
Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 412.161+/-635.113 χ^2/NDF:19.3/16

Out: 163.986+/-601.295 χ^2/NDF:9.4/20

All: 281.291+/-436.646 χ^2/NDF: 28.8/37

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1927.695+/-1.070 χ^2/NDF:682.7/1

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1911.146+/-1.469 χ^2/NDF:0.0/0

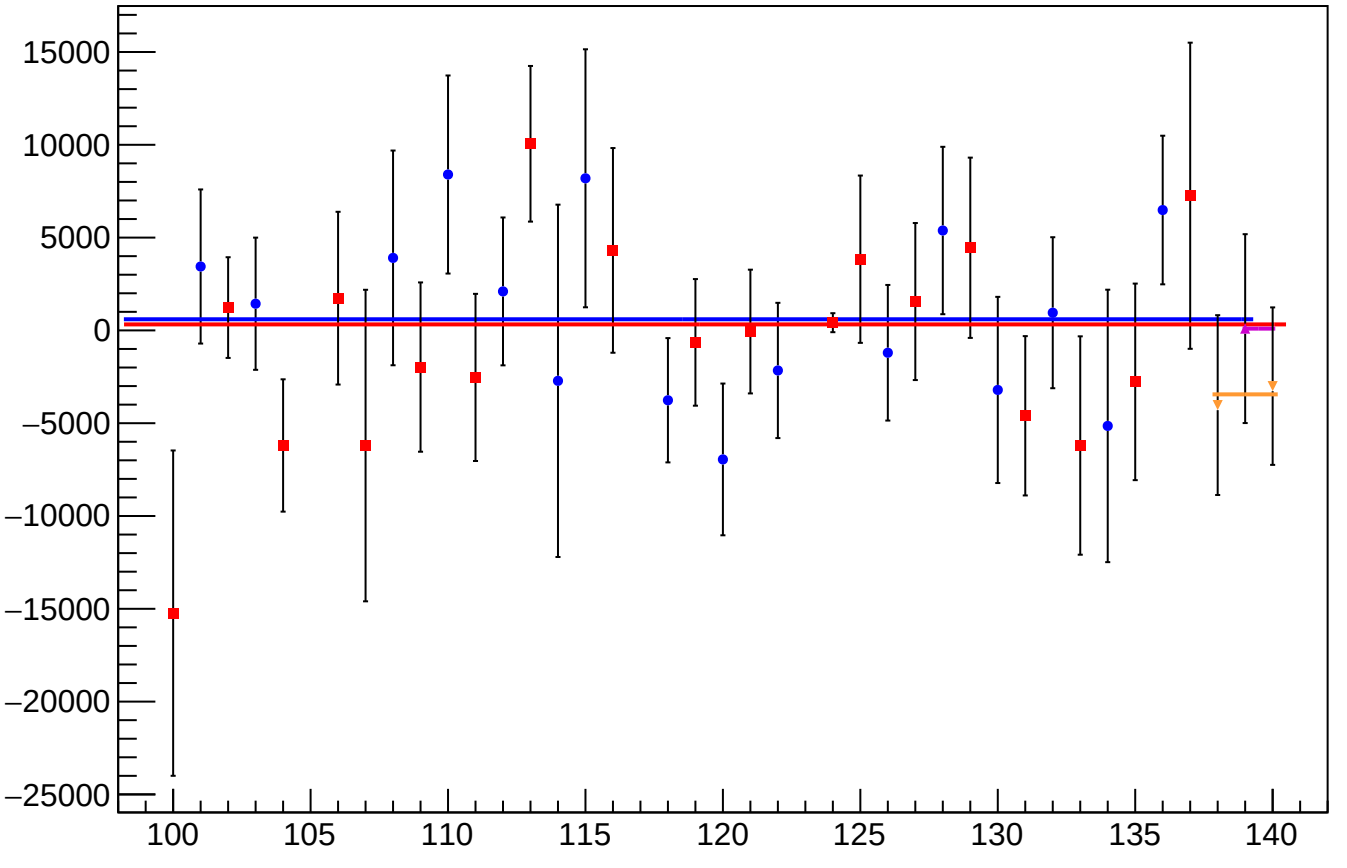
Left: 1921.962+/-0.865 χ^2/NDF: 765.6/2

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1764.929+/-0.449 χ^2/NDF:680497.9/16

Out: 1773.833+/-0.424 χ^2/NDF:323195.8/20

All: 1769.638+/-0.308 χ^2/NDF: 1003901.6/37



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: -3446.136+/-3191.397 χ^2/NDF:0.0/1

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 95.865+/-5088.217 χ^2/NDF:0.0/0

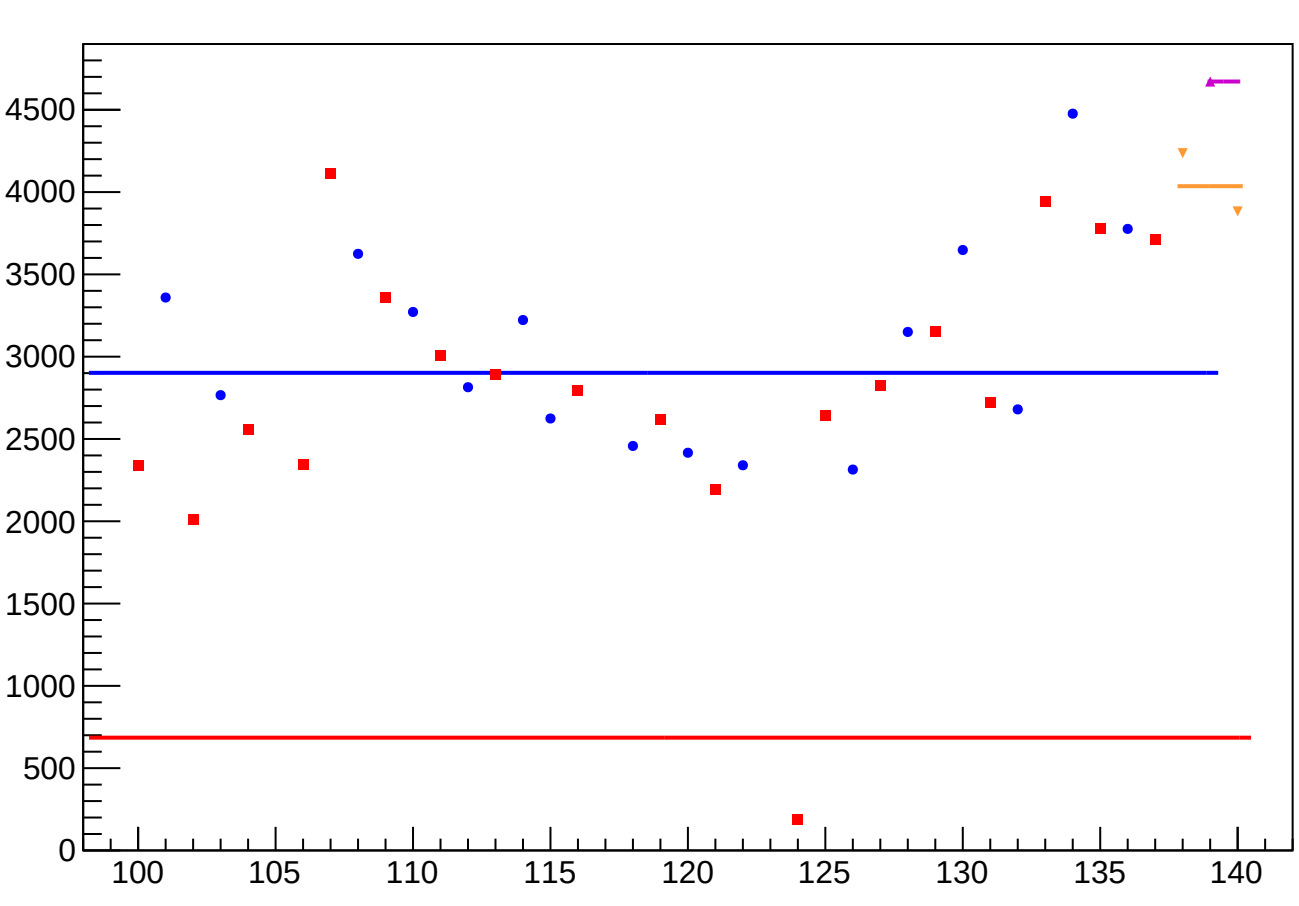
Left: -2446.126+/-2703.607 χ^2/NDF: 0.4/2

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 577.678+/-1075.279 χ^2/NDF:14.9/16

Out: 246.819+/-454.192 χ^2/NDF:20.4/20

All: 296.913+/-418.398 χ^2/NDF: 35.3/37



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 4035.916+/-2.257 χ^2/NDF:6043.1/1

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4671.684+/-3.598 χ^2/NDF:0.0/0

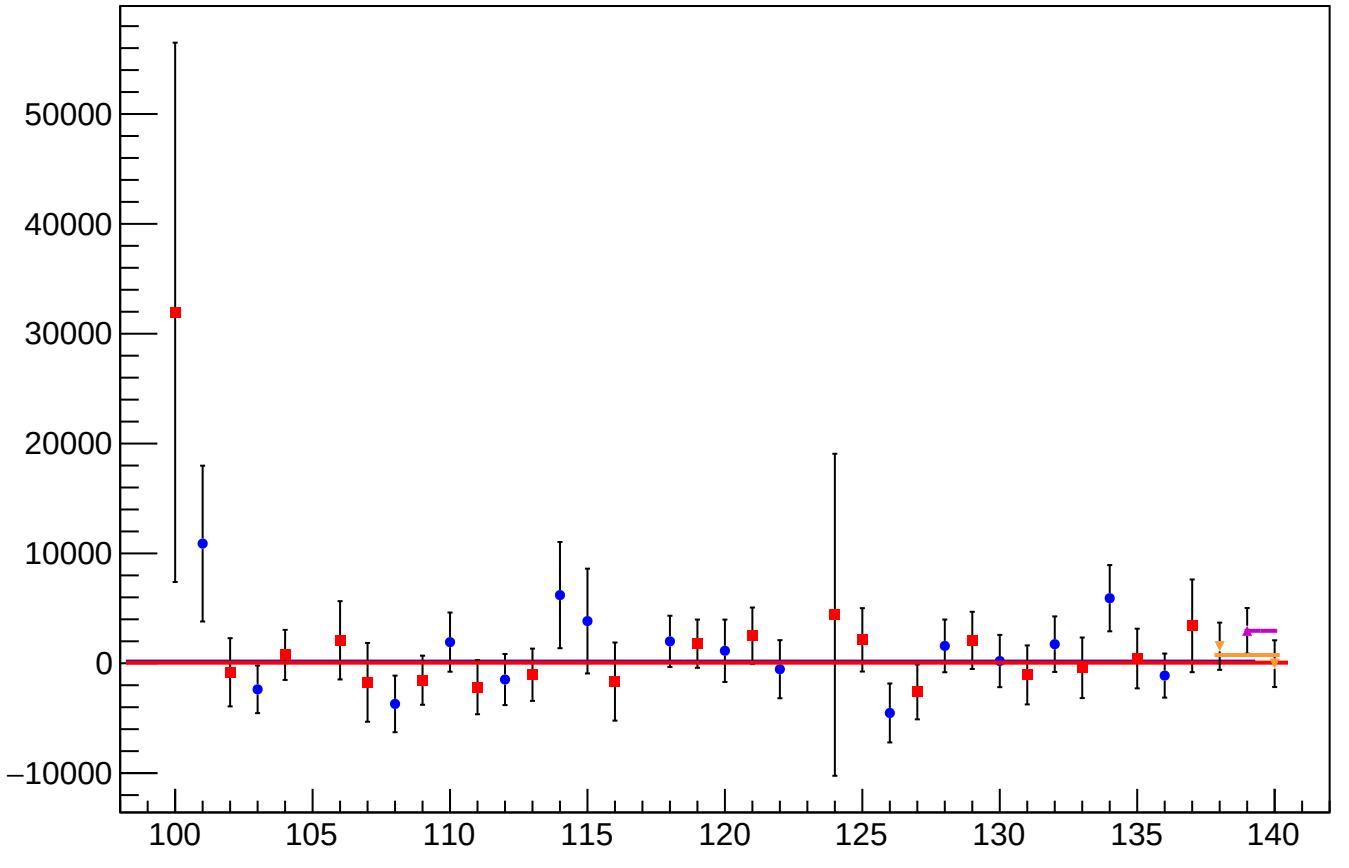
Left: 4215.412+/-1.912 χ^2/NDF: 28452.0/2

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 2980.900+/-0.760 χ^2/NDF:712096.1/16

Out: 753.122+/-0.321 χ^2/NDF:12271782.9/20

All: 1090.416+/-0.296 χ^2/NDF: 20268925.9/3



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 749.517+/-1512.984 χ^2/NDF:0.3/1

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 2954.196+/-2078.076 χ^2/NDF:0.0/0

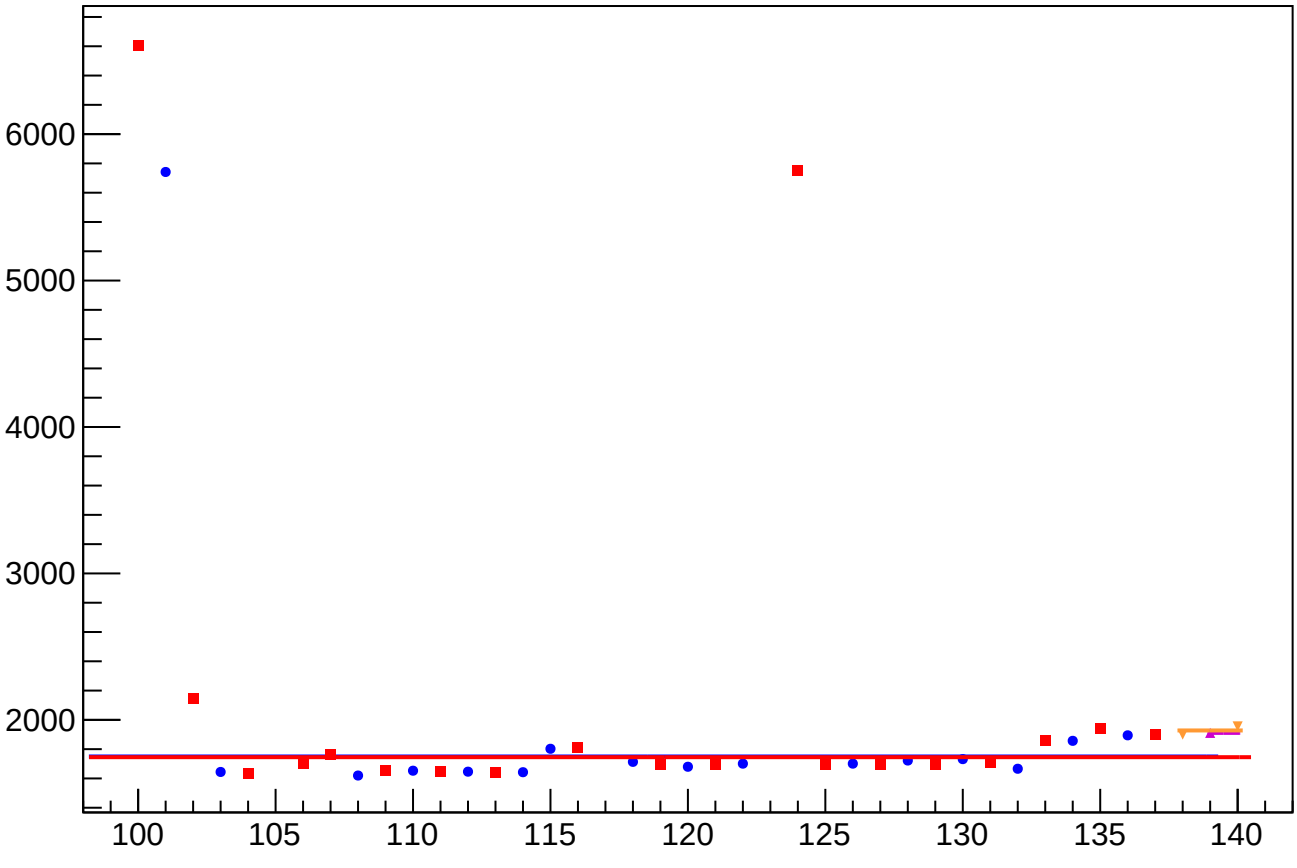
Left: 1513.310+/-1223.141 χ^2/NDF: 1.0/2

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 412.161+/-635.113 χ^2/NDF:19.3/16

Out: 163.986+/-601.295 χ^2/NDF:9.4/20

All: 281.291+/-436.646 χ^2/NDF: 28.8/37



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1927.695+/-1.070 χ^2/NDF:682.7/1

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1911.146+/-1.469 χ^2/NDF:0.0/0

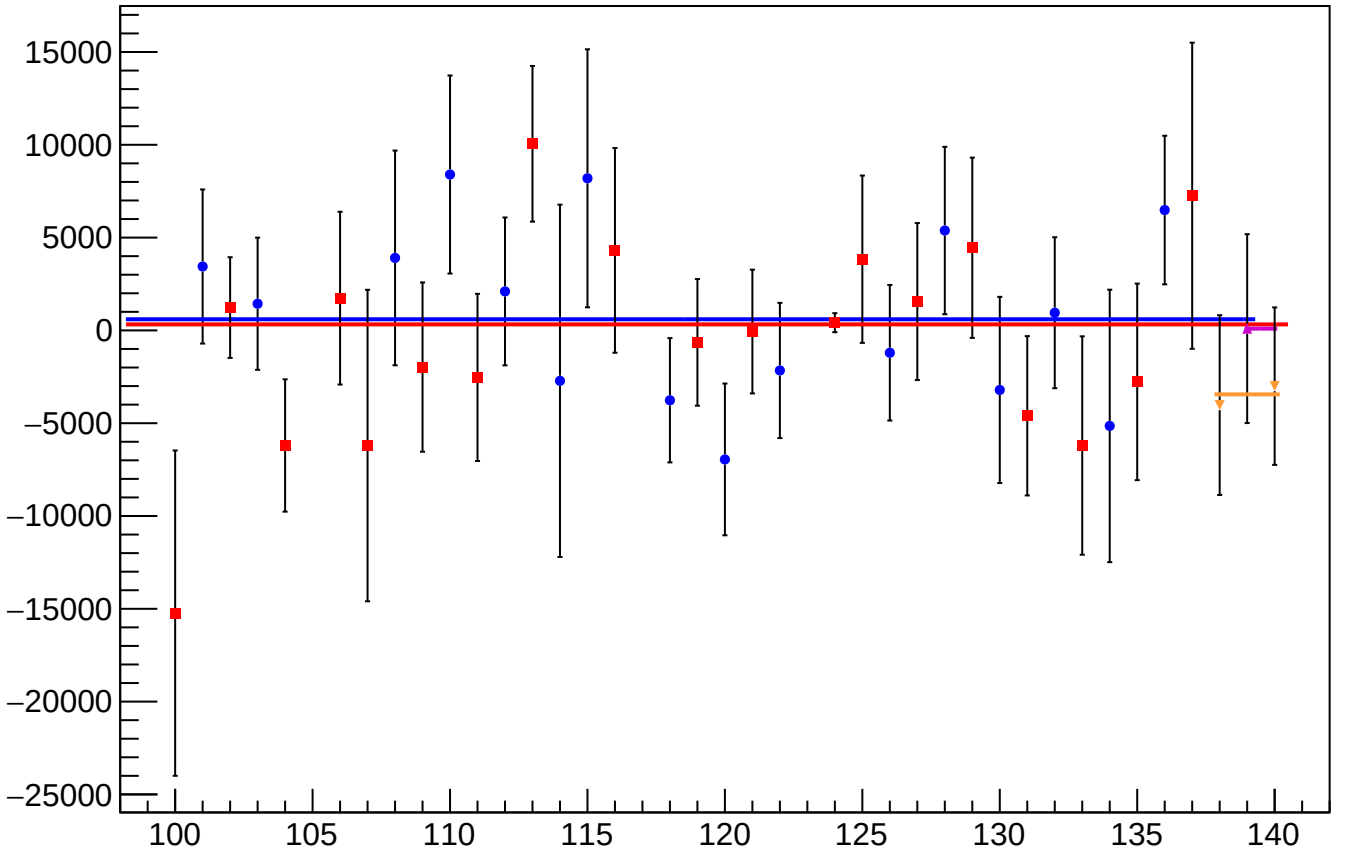
Left: 1921.962+/-0.865 χ^2/NDF: 765.6/2

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1764.929+/-0.449 χ^2/NDF:680497.9/16

Out: 1773.833+/-0.424 χ^2/NDF:323195.8/20

All: 1769.638+/-0.308 χ^2/NDF: 1003901.6/37



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: -3446.136+/-3191.397 χ^2/NDF:0.0/1

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 95.865+/-5088.217 χ^2/NDF:0.0/0

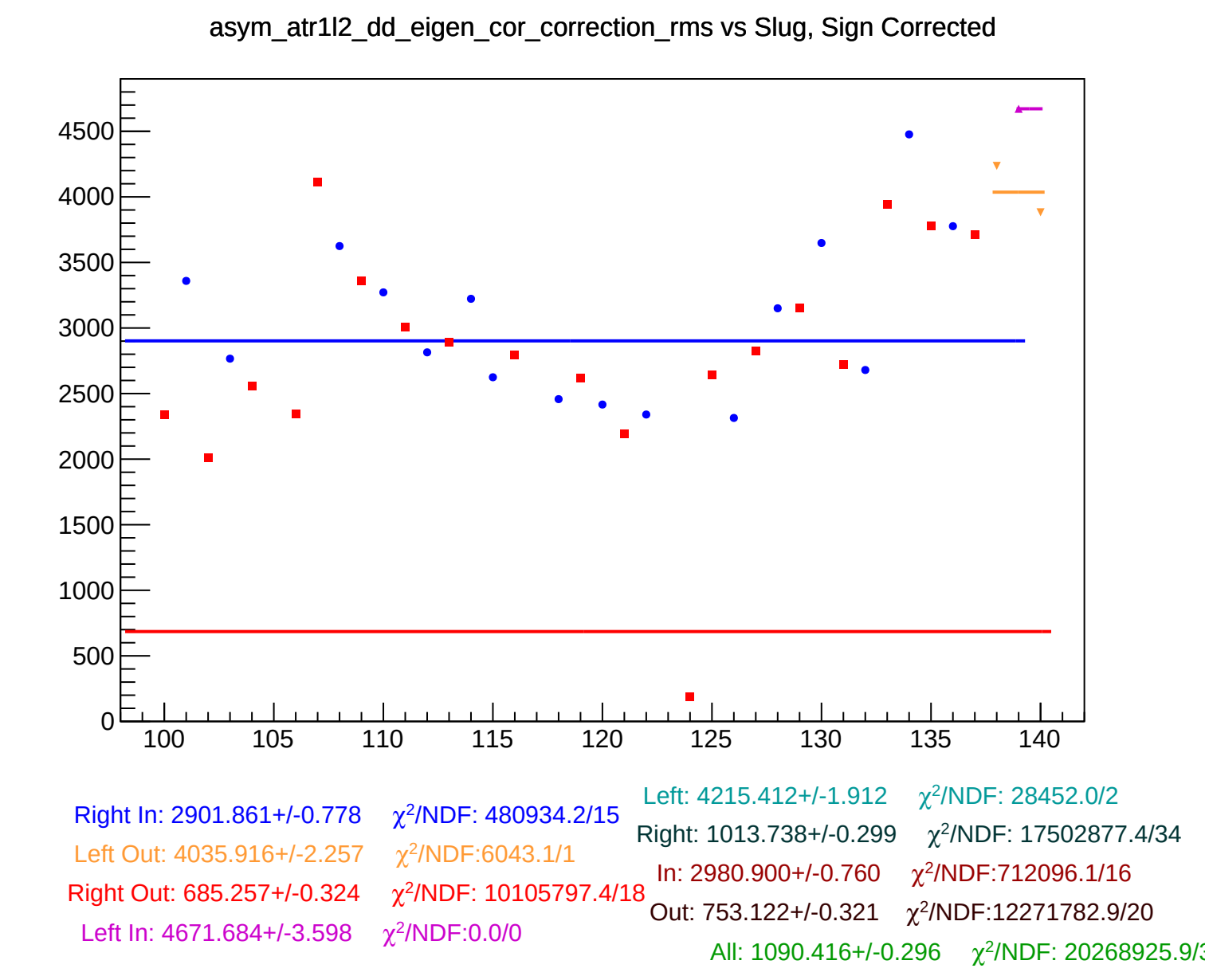
Left: -2446.126+/-2703.607 χ^2/NDF: 0.4/2

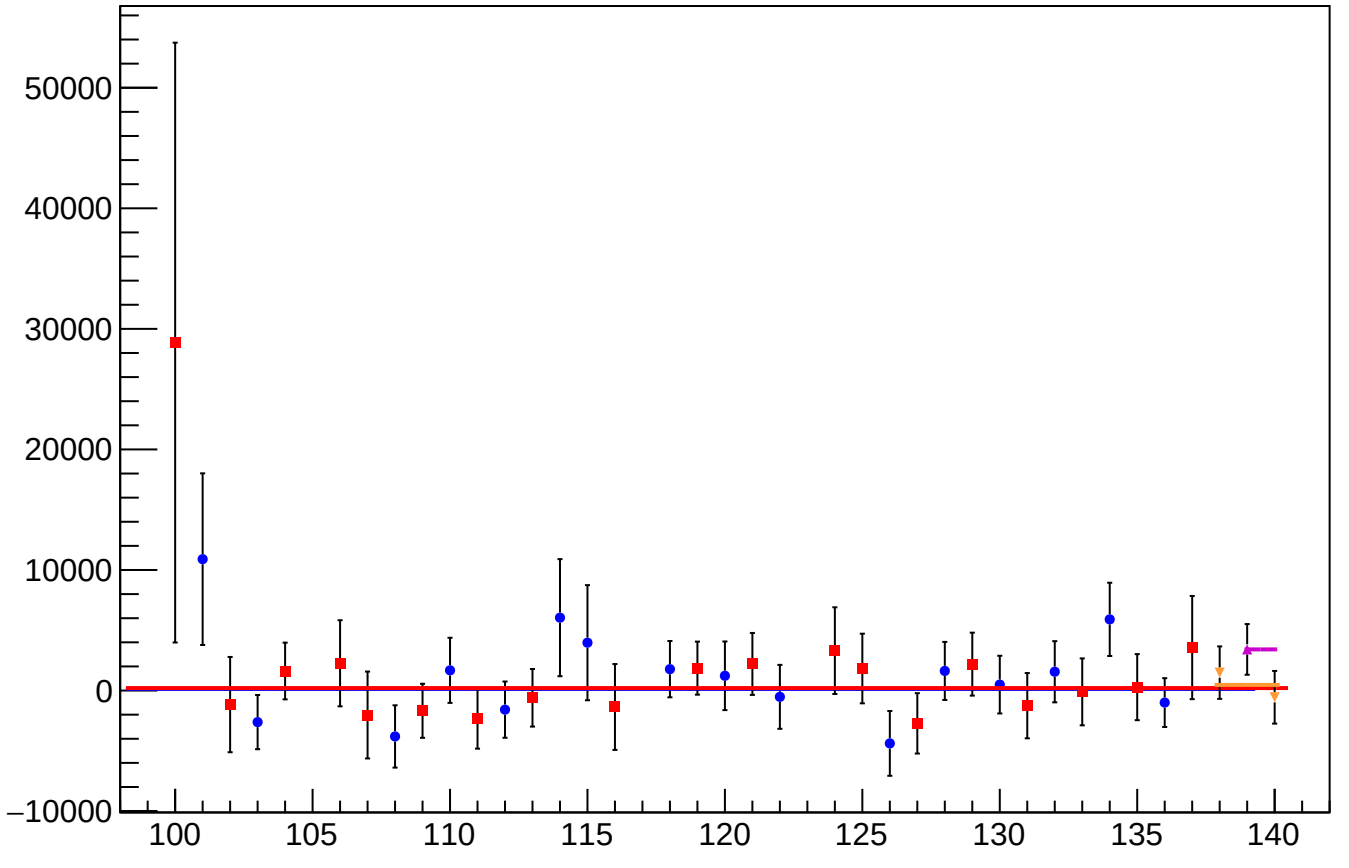
Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 577.678+/-1075.279 χ^2/NDF:14.9/16

Out: 246.819+/-454.192 χ^2/NDF:20.4/20

All: 296.913+/-418.398 χ^2/NDF: 35.3/37


asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
105
110
115
120
125
130
135
140
Right In: 2901.861+/-0.778 χ²/NDF: 480934.2/15
Left Out: 4035.916+/-2.257 χ²/NDF:6043.1/1
Right Out: 685.257+/-0.324 χ²/NDF: 10105797.4/18
Left In: 4671.684+/-3.598 χ²/NDF:0.0/0
Left: 4215.412+/-1.912 χ²/NDF: 28452.0/2
Right: 1013.738+/-0.299 χ²/NDF: 17502877.4/34
In: 2980.900+/-0.760 χ²/NDF:712096.1/16
Out: 753.122+/-0.321 χ²/NDF:12271782.9/20
All: 1090.416+/-0.296 χ²/NDF: 20268925.9/3



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 468.280+/-1541.176 χ^2/NDF:0.4/1

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: 3413.217+/-2102.180 χ^2/NDF:0.0/0

Left: 1497.789+/-1242.931 χ^2/NDF: 1.7/2

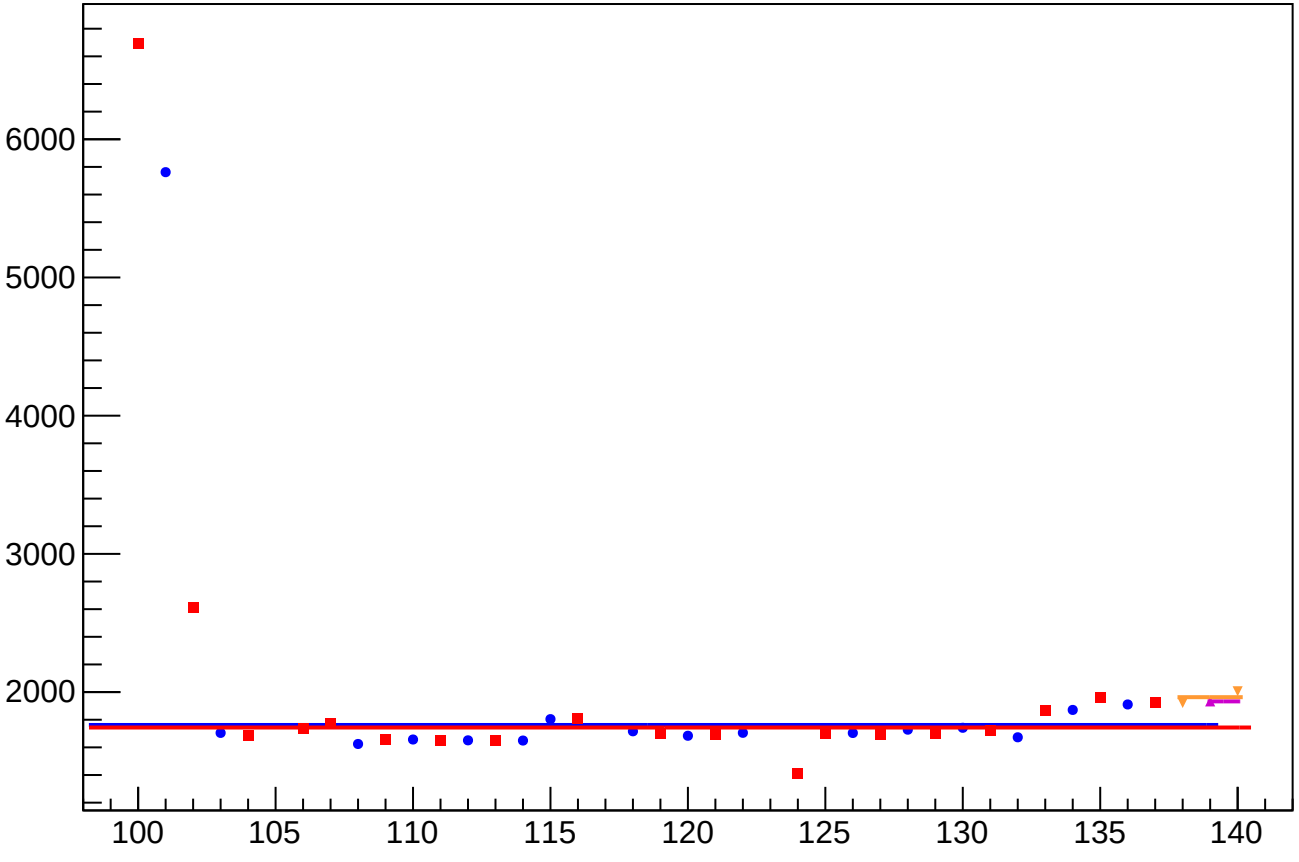
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 437.569+/-639.763 χ^2/NDF:19.5/16

Out: 245.581+/-602.384 χ^2/NDF:10.2/20

All: 335.803+/-438.569 χ^2/NDF: 29.7/37

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1963.217+/-1.090 χ^2/NDF:1504.0/1

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1932.796+/-1.486 χ^2/NDF:0.0/0

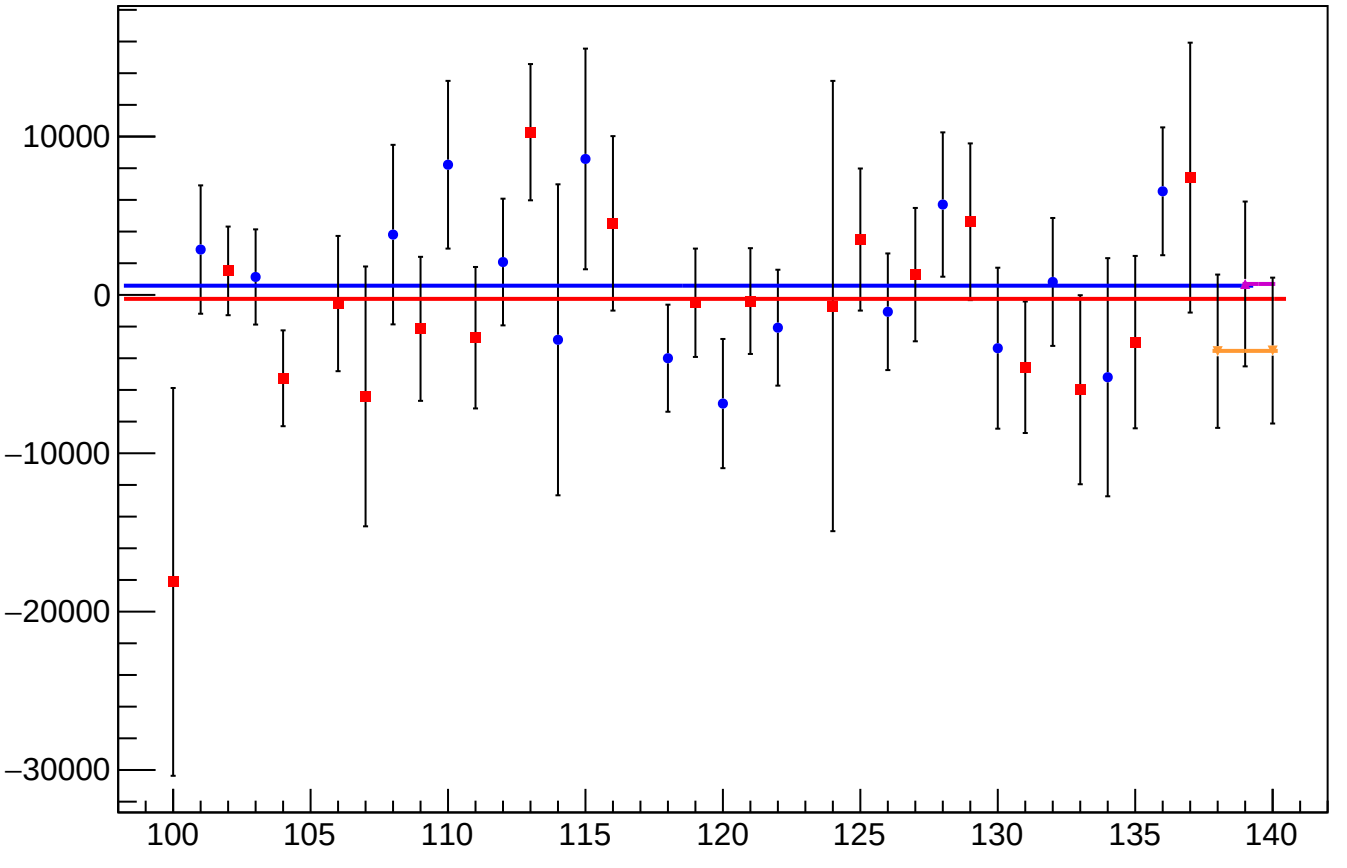
Left: 1952.582+/-0.879 χ^2/NDF: 1776.4/2

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1777.866+/-0.452 χ^2/NDF:679668.8/16

Out: 1777.092+/-0.425 χ^2/NDF:263665.5/20

All: 1777.455+/-0.310 χ^2/NDF: 943335.9/37



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -3534.904+/-3336.886 χ^2/NDF:0.0/1

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: 691.771+/-5204.015 χ^2/NDF:0.0/0

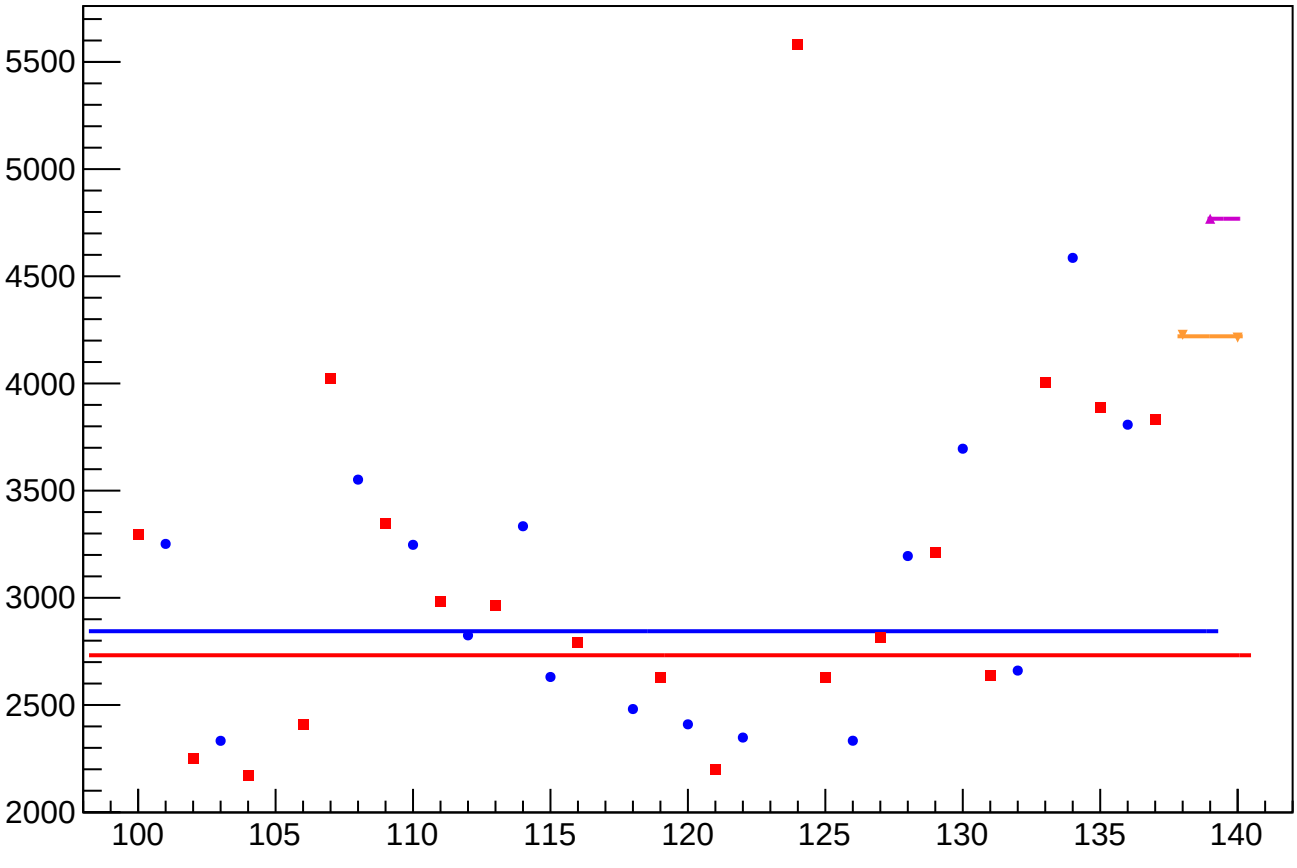
Left: -2303.418+/-2809.014 χ^2/NDF: 0.5/2

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 586.759+/-1058.858 χ^2/NDF:14.9/16

Out: -531.418+/-976.332 χ^2/NDF:18.8/20

All: -17.597+/-717.775 χ^2/NDF: 34.3/37



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4220.039+/-2.360 χ^2/NDF:7.5/1

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4768.524+/-3.680 χ^2/NDF:0.0/0

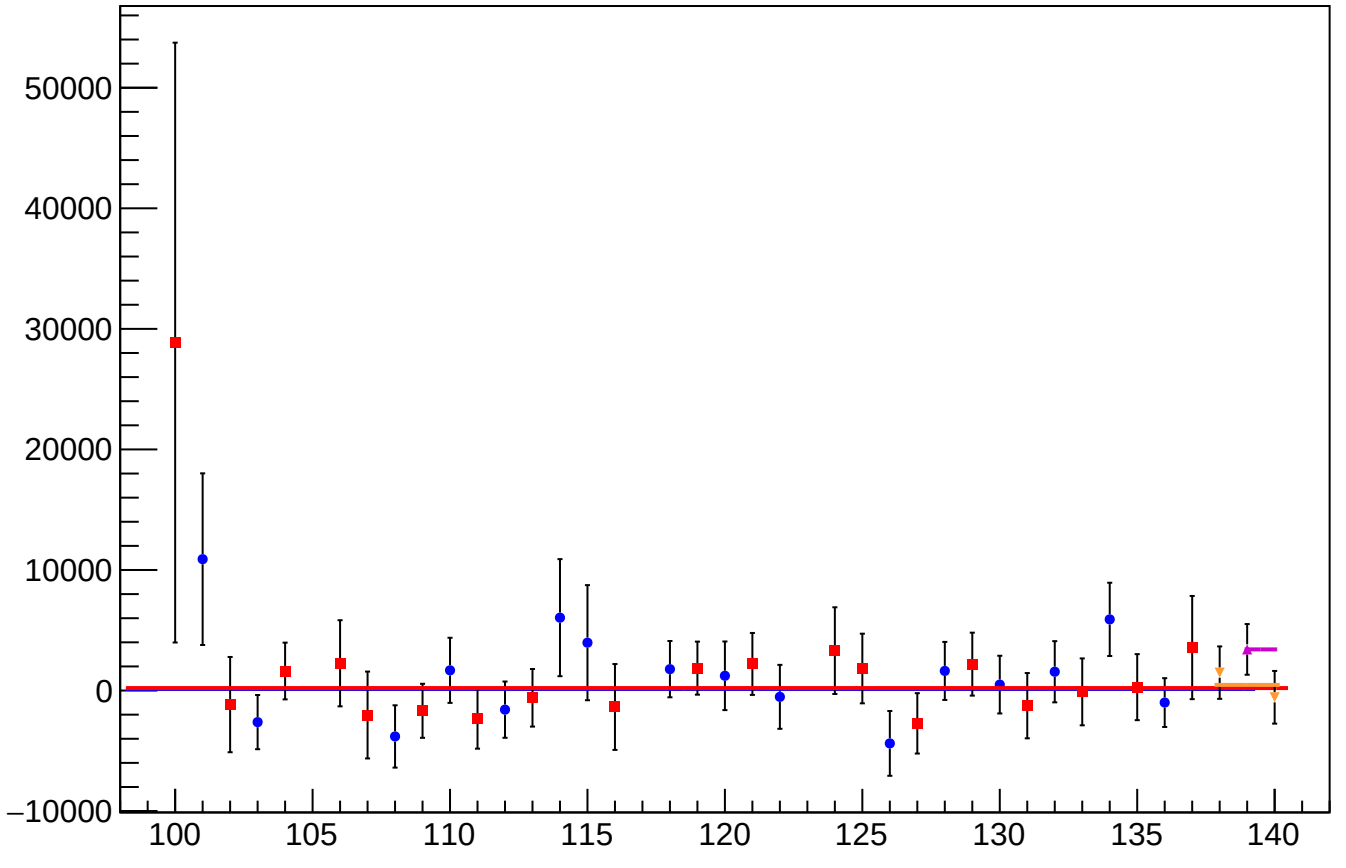
Left: 4379.846+/-1.986 χ^2/NDF: 15751.2/2

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 2923.821+/-0.749 χ^2/NDF:804193.4/16

Out: 2859.367+/-0.690 χ^2/NDF:974964.6/20

All: 2888.985+/-0.508 χ^2/NDF: 1783163.4/37



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 468.270+/-1541.176 χ^2/NDF:0.4/1

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 3413.211+/-2102.181 χ^2/NDF:0.0/0

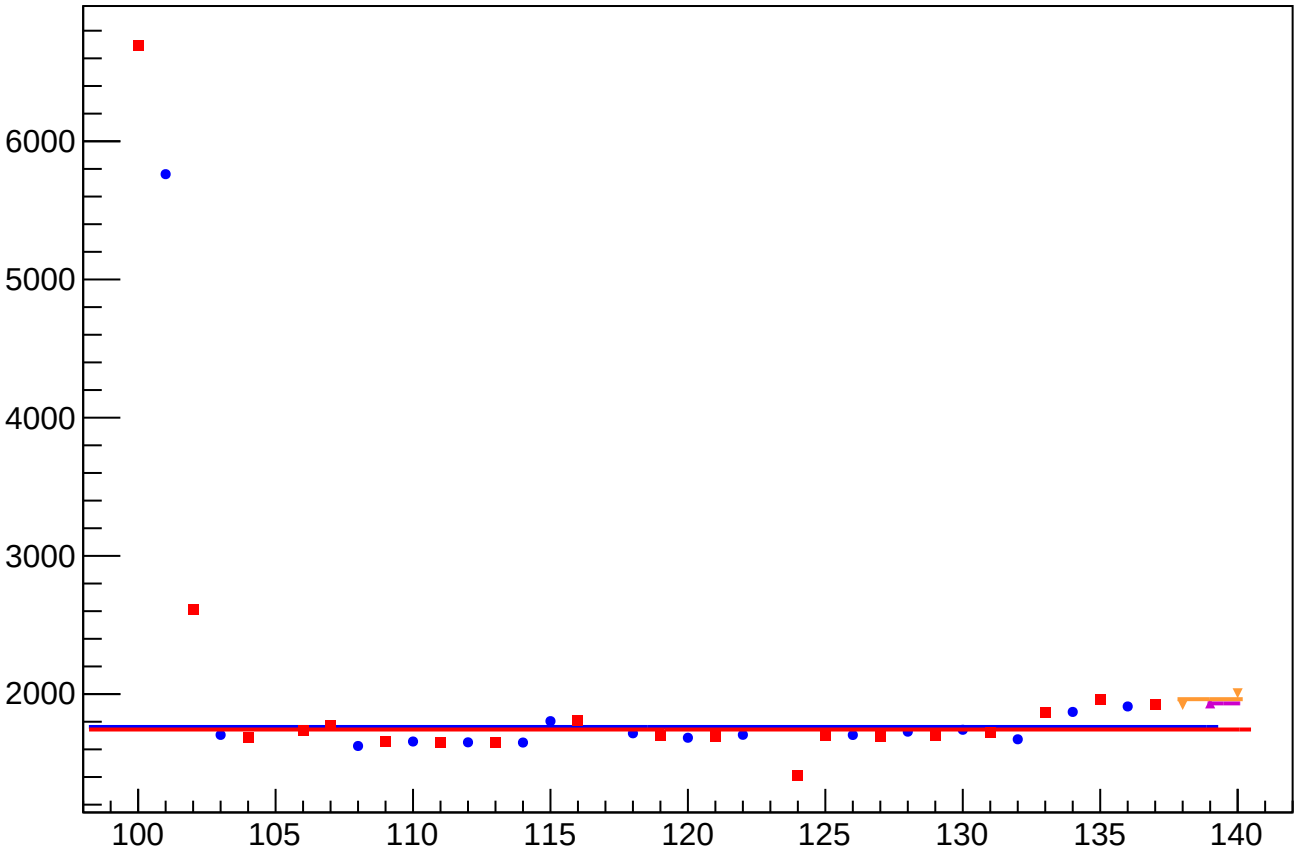
Left: 1497.780+/-1242.932 χ^2/NDF: 1.7/2

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 437.567+/-639.763 χ^2/NDF:19.5/16

Out: 245.578+/-602.384 χ^2/NDF:10.2/20

All: 335.800+/-438.569 χ^2/NDF: 29.7/37



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1963.218+/-1.090 χ^2/NDF:1504.0/1

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1932.797+/-1.486 χ^2/NDF:0.0/0

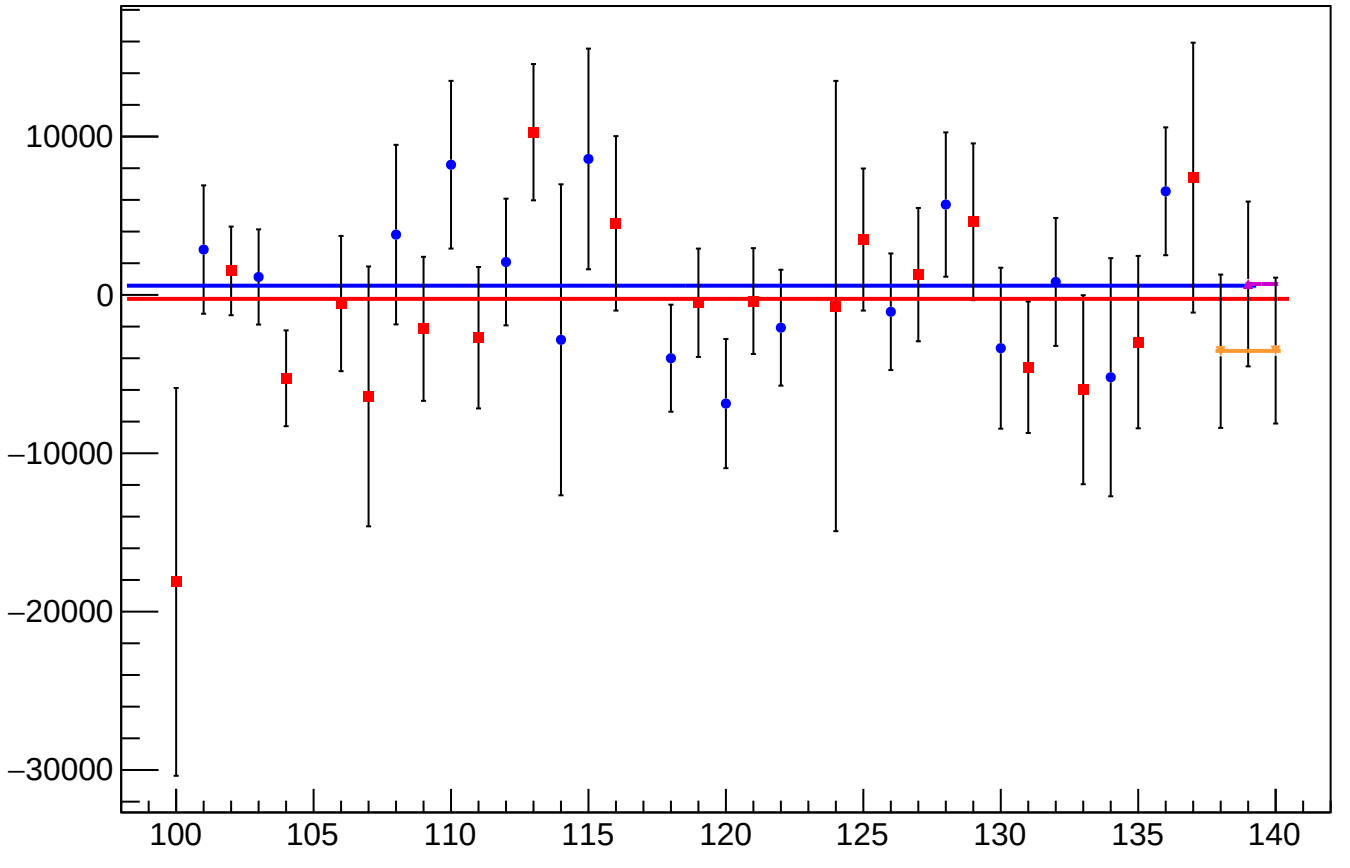
Left: 1952.583+/-0.879 χ^2/NDF: 1776.4/2

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1777.866+/-0.452 χ^2/NDF:679668.9/16

Out: 1777.092+/-0.425 χ^2/NDF:263665.8/20

All: 1777.455+/-0.310 χ^2/NDF: 943336.3/37



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -3534.912+/-3336.895 χ^2/NDF:0.0/1

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: 691.763+/-5204.036 χ^2/NDF:0.0/0

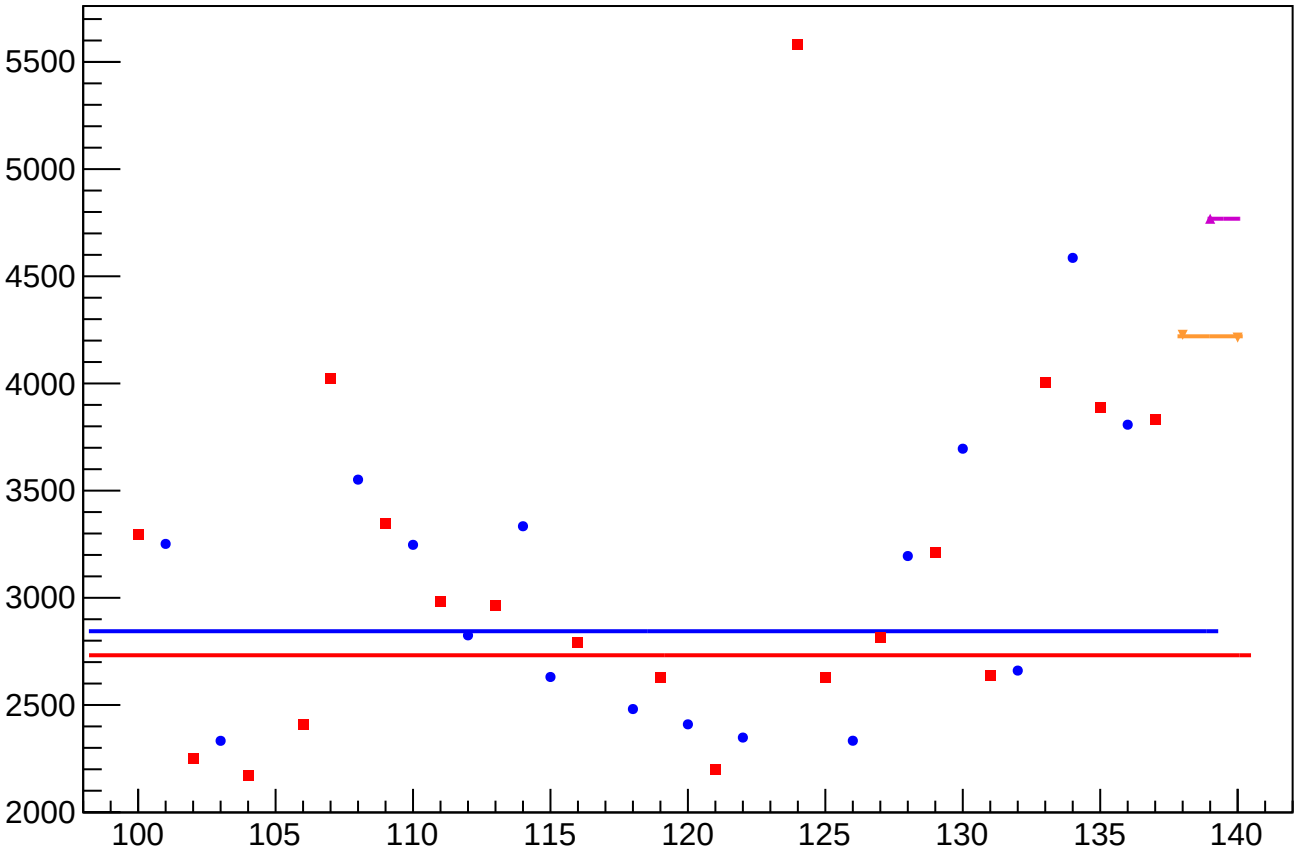
Left: -2303.428+/-2809.023 χ^2/NDF: 0.5/2

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 586.754+/-1058.855 χ^2/NDF:14.9/16

Out: -531.417+/-976.330 χ^2/NDF:18.8/20

All: -17.598+/-717.774 χ^2/NDF: 34.3/37



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4220.050+/-2.360 χ^2/NDF:7.5/1

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4768.543+/-3.680 χ^2/NDF:0.0/0

Left: 4379.859+/-1.986 χ^2/NDF: 15751.6/2

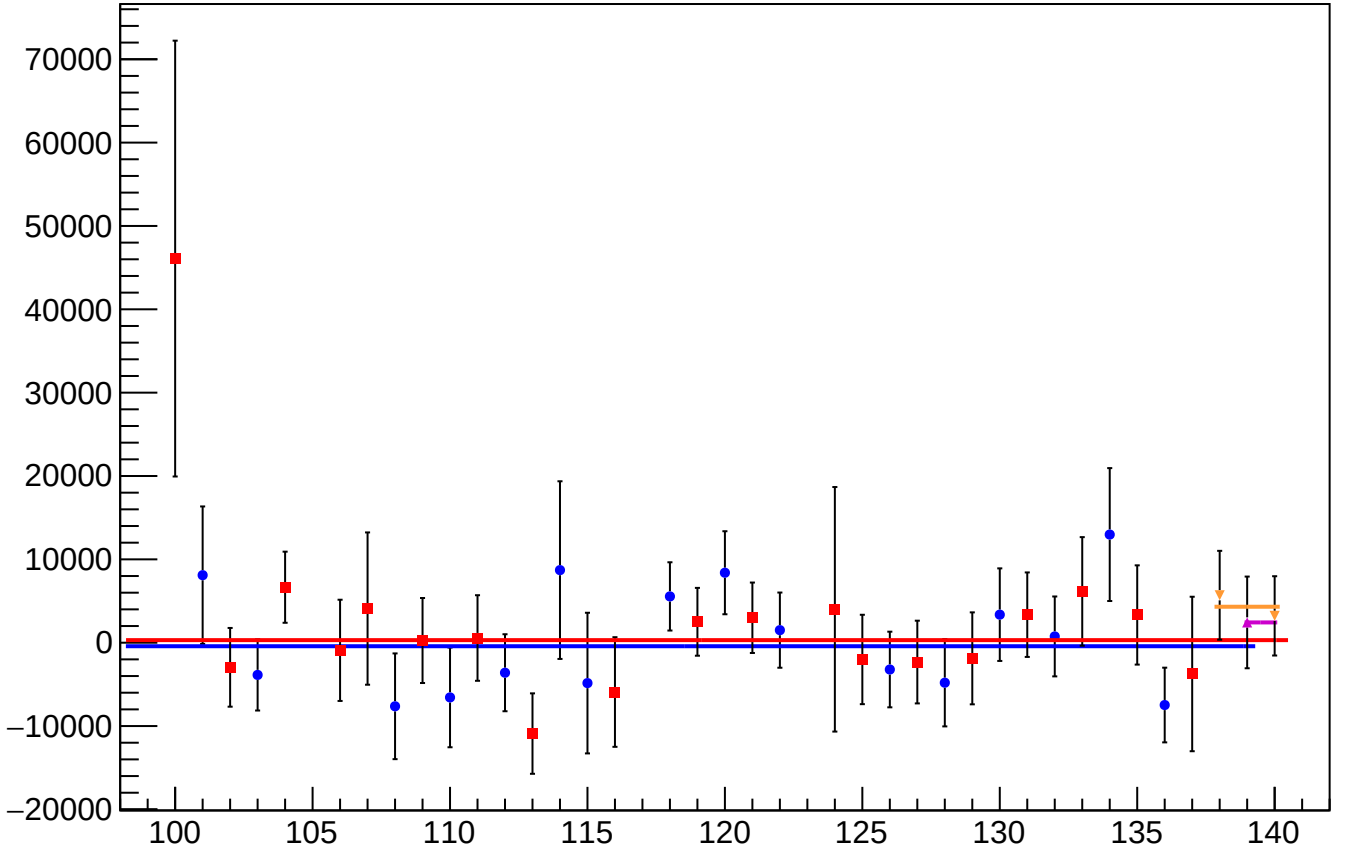
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 2923.814+/-0.749 χ^2/NDF:804202.5/16

Out: 2859.362+/-0.690 χ^2/NDF:974968.6/20

All: 2888.978+/-0.508 χ^2/NDF: 1783176.2/37

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 4314.519+/-3549.249 χ^2/NDF:0.1/1

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 2432.827+/-5500.630 χ^2/NDF:0.0/0

Left: 3761.386+/-2982.310 χ^2/NDF: 0.2/2

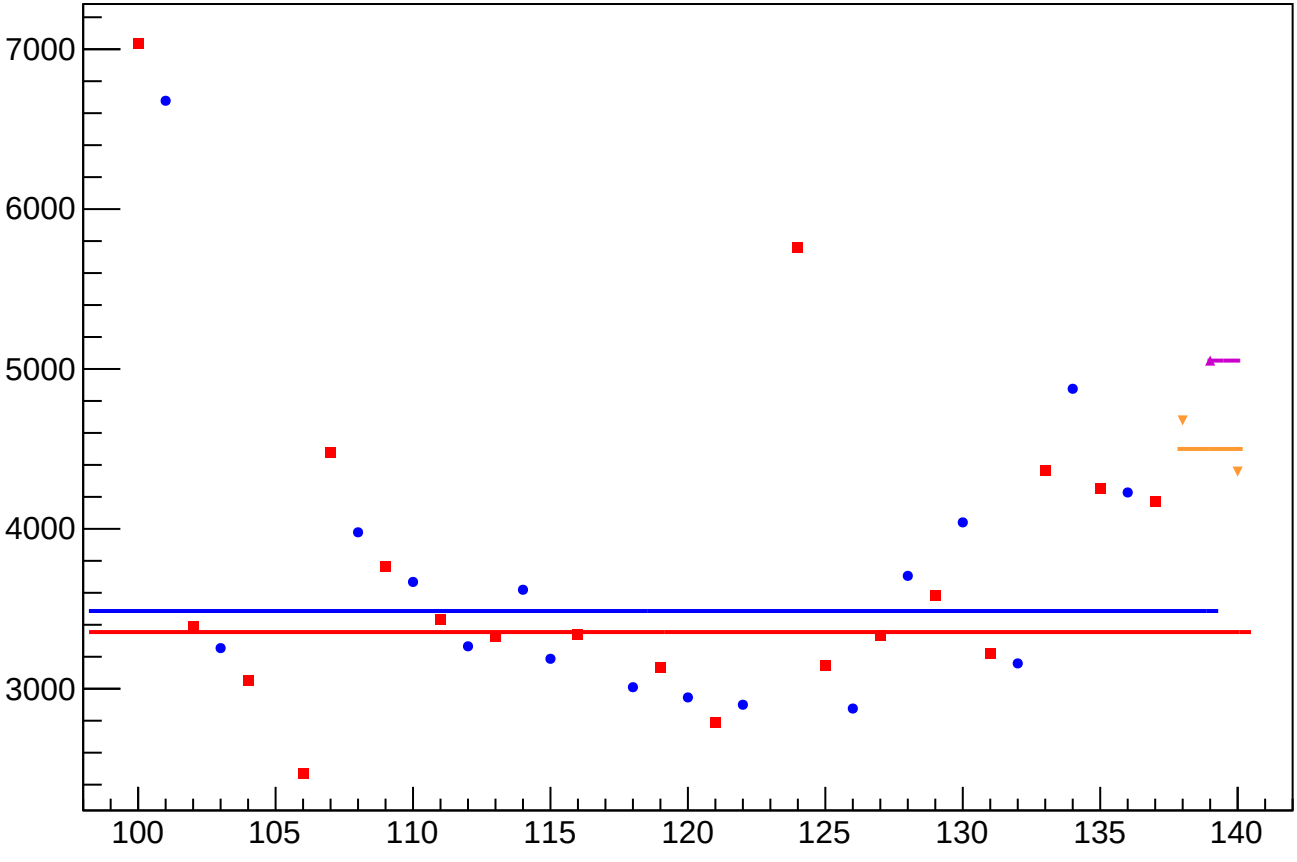
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -266.000+/-1290.230 χ^2/NDF:18.2/16

Out: 766.234+/-1200.523 χ^2/NDF:16.5/20

All: 287.245+/-878.902 χ^2/NDF: 35.0/37

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4499.852+/-2.510 χ^2/NDF:4011.3/1

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 5052.445+/-3.890 χ^2/NDF:0.0/0

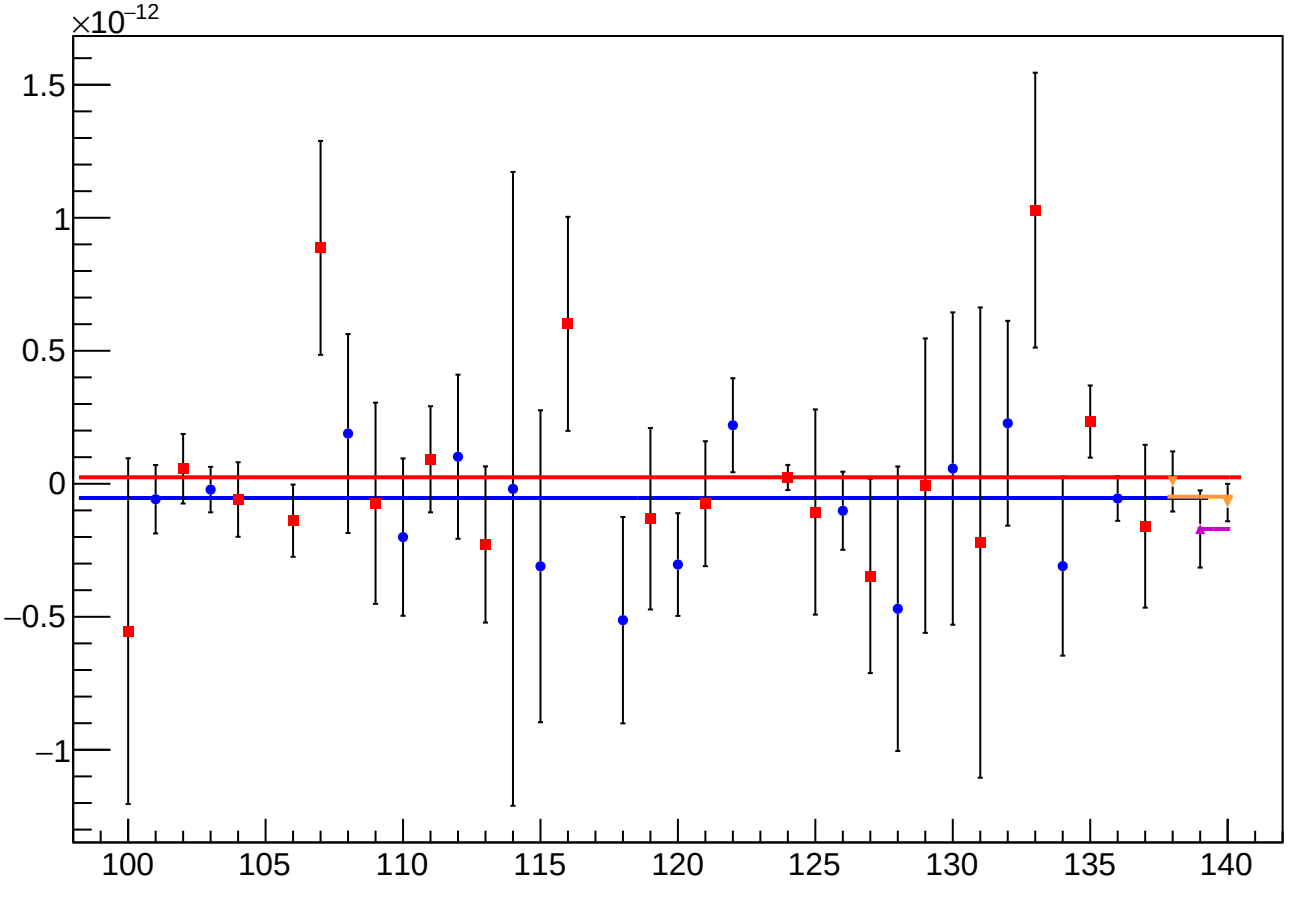
Left: 4662.289+/-2.109 χ^2/NDF: 18262.4/2

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3572.341+/-0.912 χ^2/NDF:749028.7/16

Out: 3482.252+/-0.838 χ^2/NDF:565492.8/20

All: 3523.499+/-0.617 χ^2/NDF: 1319808.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

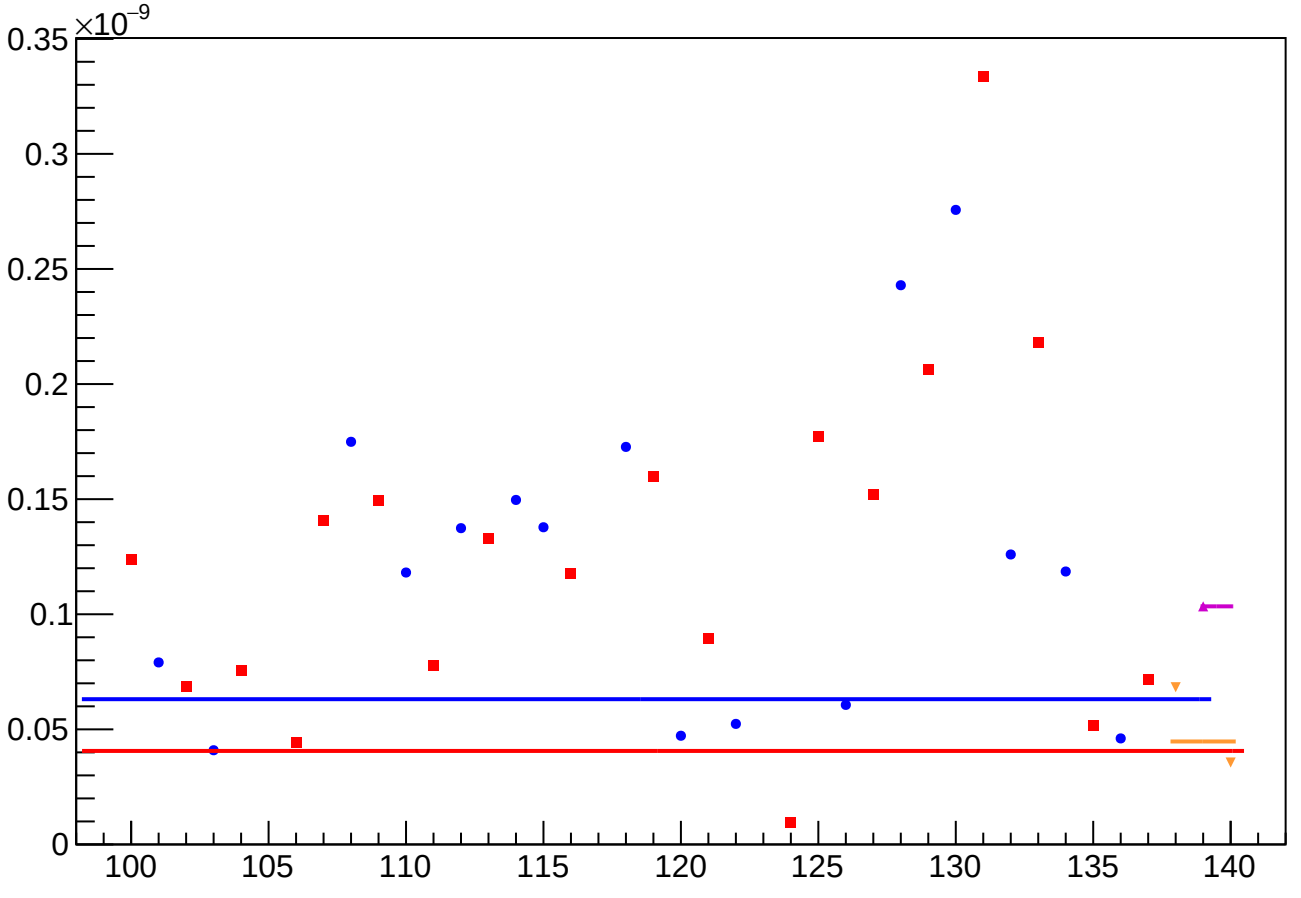
Left: -0.000+/-0.000 χ^2/NDF: 1.0/2

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:9.2/16

Out: 0.000+/-0.000 χ^2/NDF:19.8/20

All: -0.000+/-0.000 χ^2/NDF: 30.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:120659.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 400460.0/2

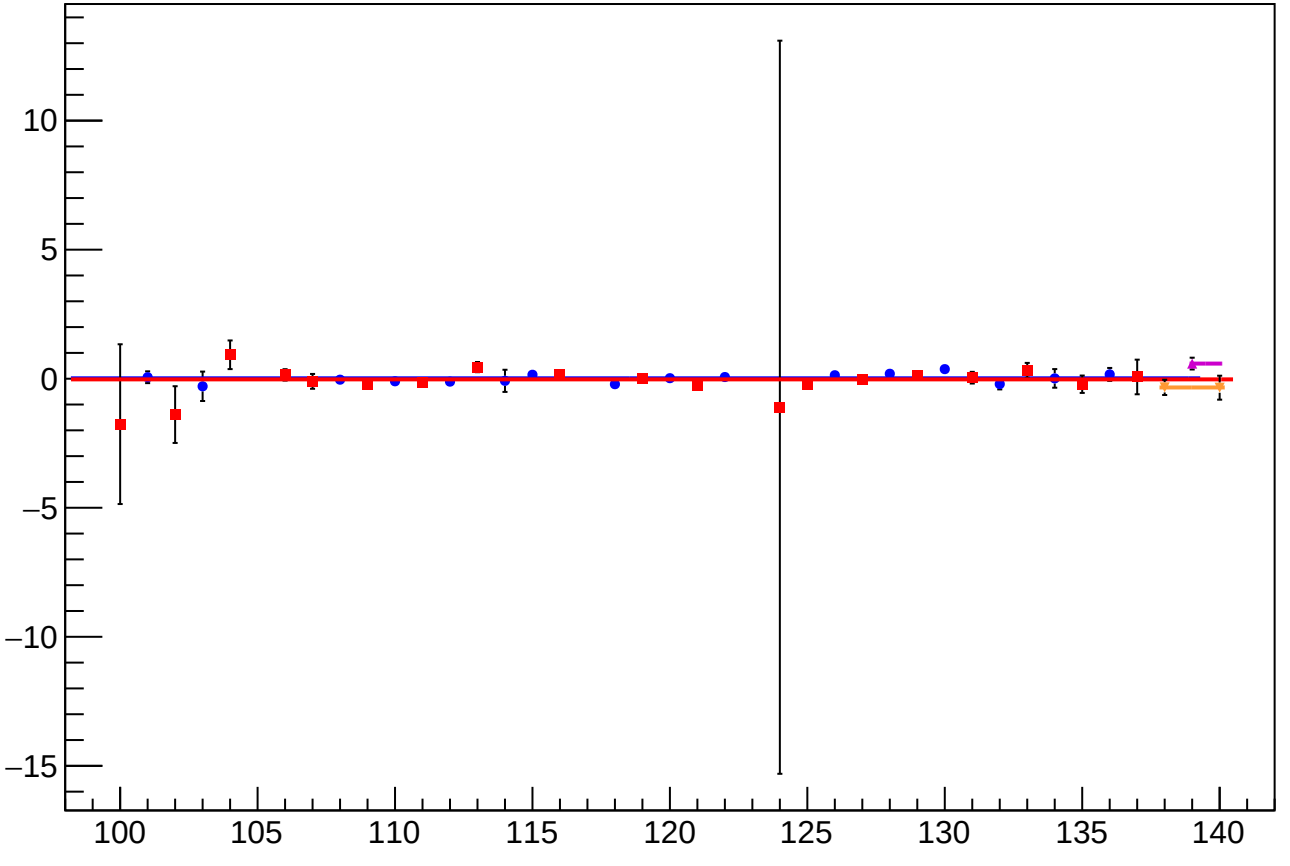
Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:1573233.1/16

Out: 0.000+/-0.000 χ^2/NDF:3299978.1/20

All: 0.000+/-0.000 χ^2/NDF: 5322957.5/37

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: -0.339+/-0.249 χ^2/NDF:0.0/1

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.586+/-0.229 χ^2/NDF:0.0/0

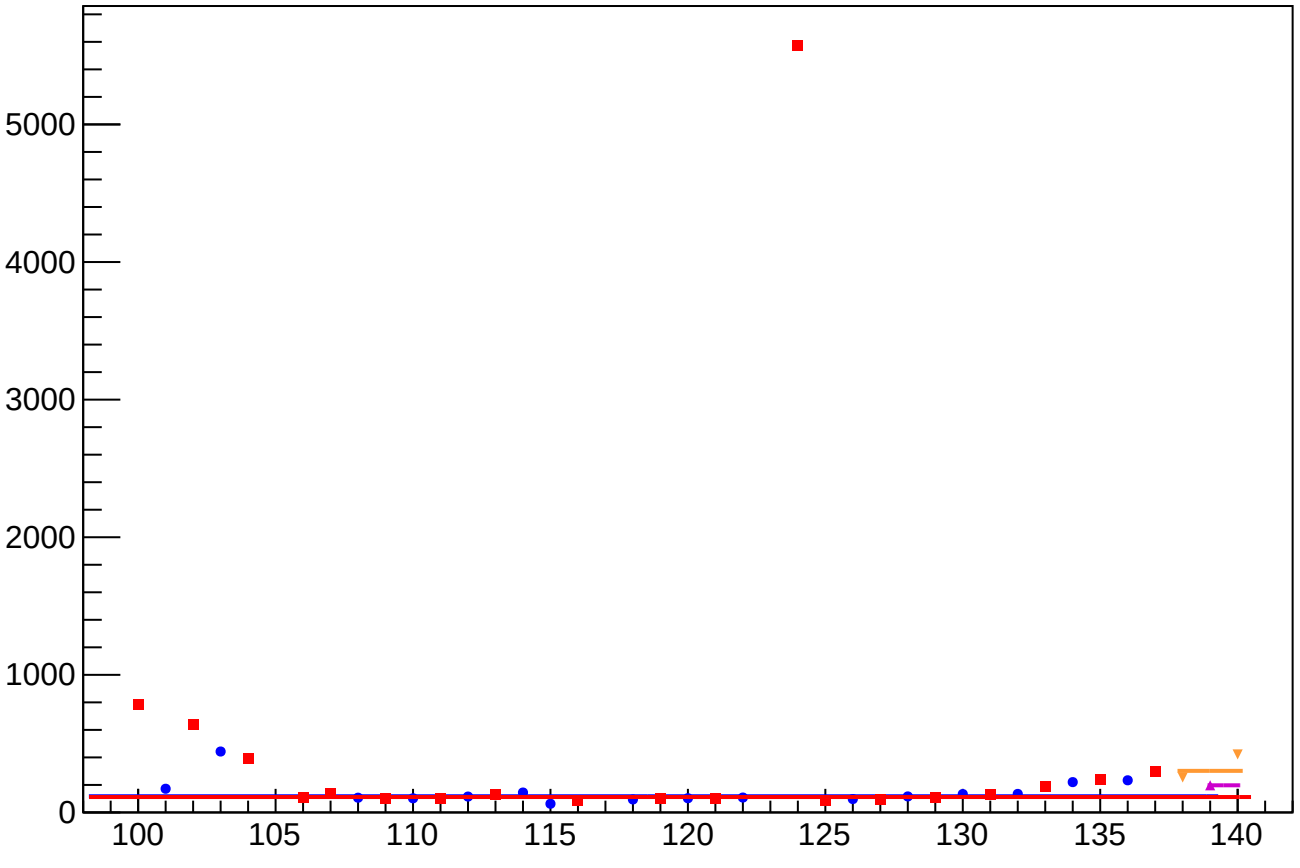
Left: 0.162+/-0.168 χ^2/NDF: 7.5/2

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.039+/-0.047 χ^2/NDF:17.8/16

Out: -0.036+/-0.046 χ^2/NDF:23.6/20

All: 0.001+/-0.033 χ^2/NDF: 42.7/37



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 302.278+/-0.176 χ^2/NDF:185586.2/1

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 197.330+/-0.162 χ^2/NDF:0.0/0

Left: 245.374+/-0.119 χ^2/NDF: 378183.7/2

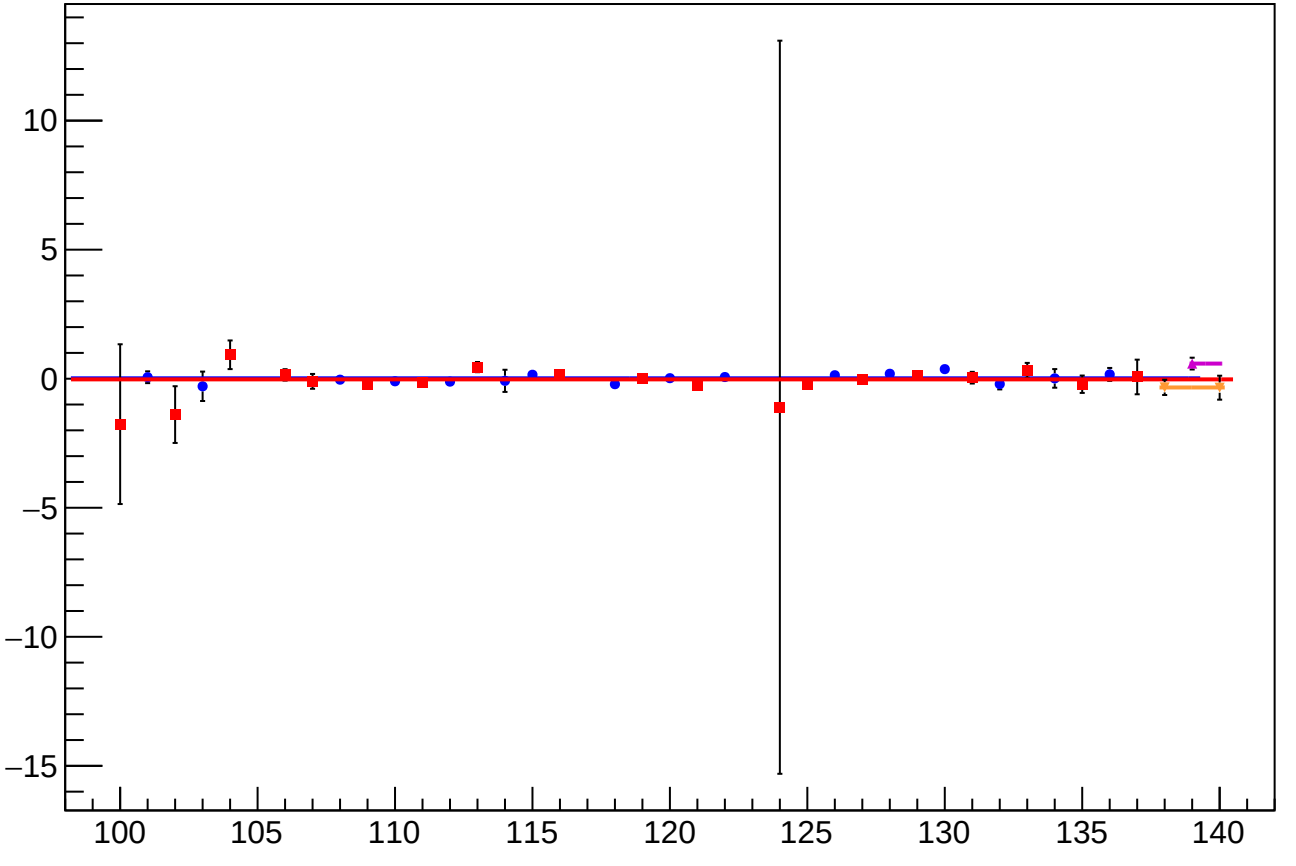
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 120.993+/-0.033 χ^2/NDF:1954737.7/16

Out: 118.622+/-0.033 χ^2/NDF:3498228.8/20

All: 119.786+/-0.023 χ^2/NDF: 5455571.4/37

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.339+/-0.249 χ^2/NDF:0.0/1

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.586+/-0.229 χ^2/NDF:0.0/0

Left: 0.162+/-0.168 χ^2/NDF: 7.5/2

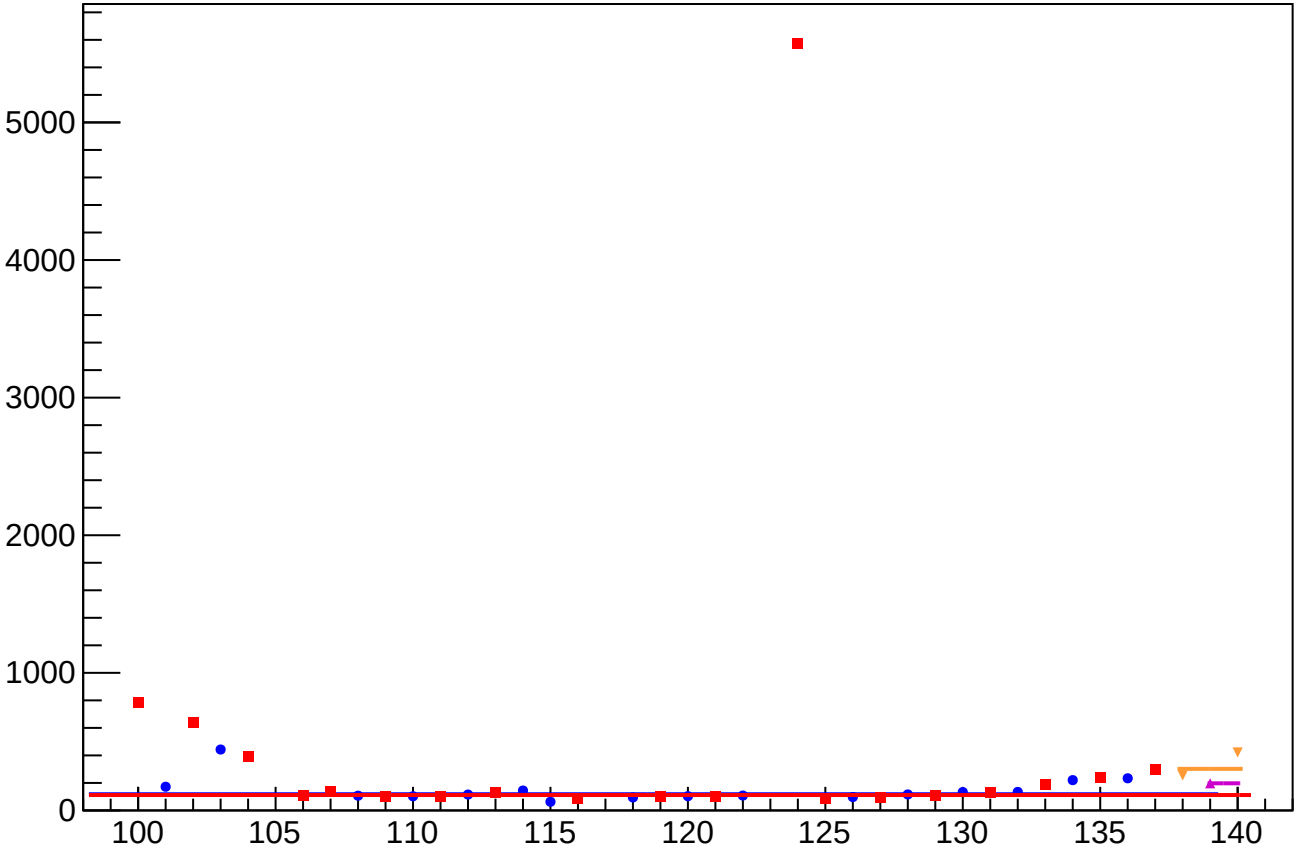
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.039+/-0.047 χ^2/NDF:17.8/16

Out: -0.036+/-0.046 χ^2/NDF:23.6/20

All: 0.001+/-0.033 χ^2/NDF: 42.7/37

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 302.278+/-0.176 χ^2/NDF:185586.2/1

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 197.330+/-0.162 χ^2/NDF:0.0/0

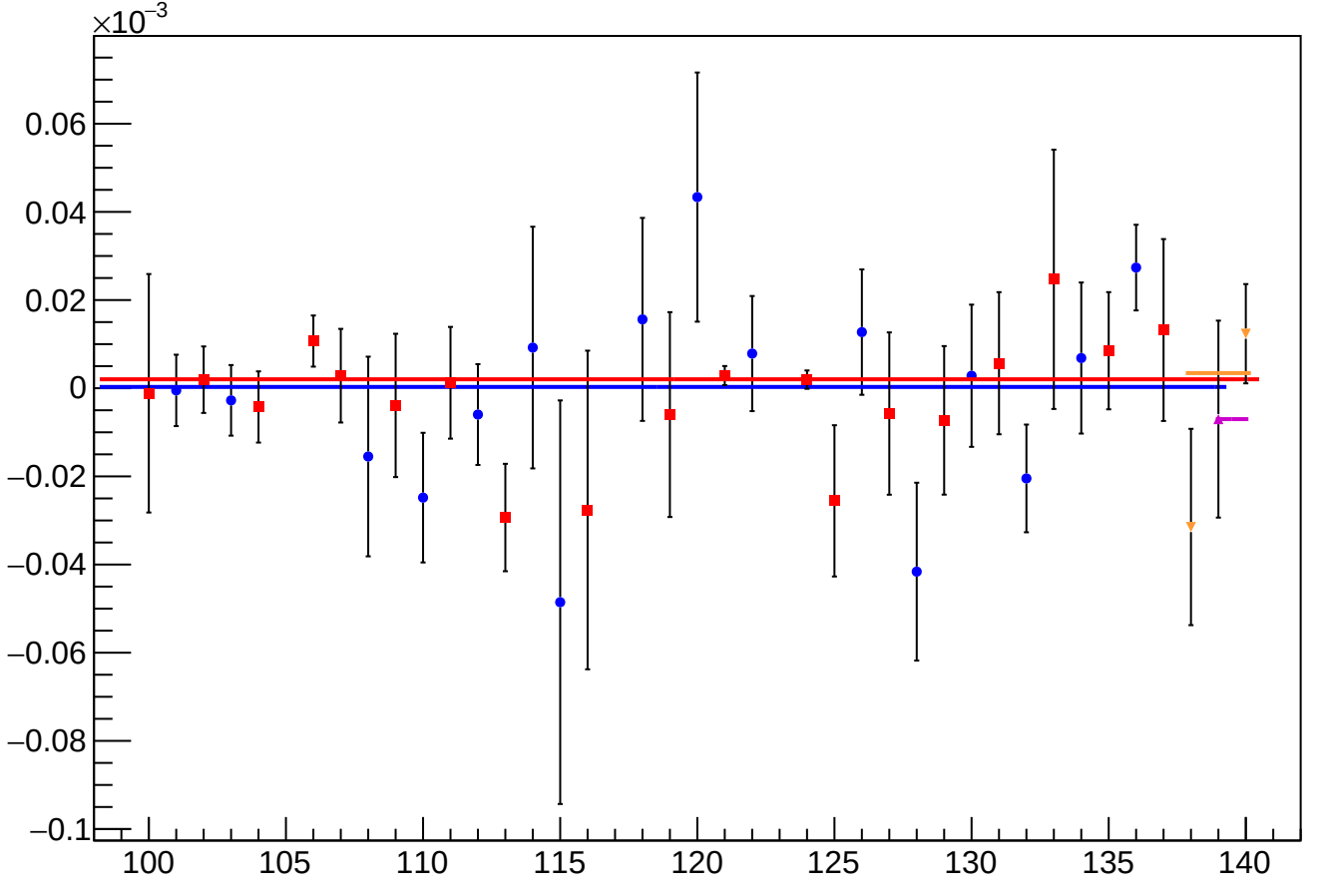
Left: 245.374+/-0.119 χ^2/NDF: 378183.7/2

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 120.993+/-0.033 χ^2/NDF:1954737.7/16

Out: 118.622+/-0.033 χ^2/NDF:3498228.8/20

All: 119.786+/-0.023 χ^2/NDF: 5455571.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

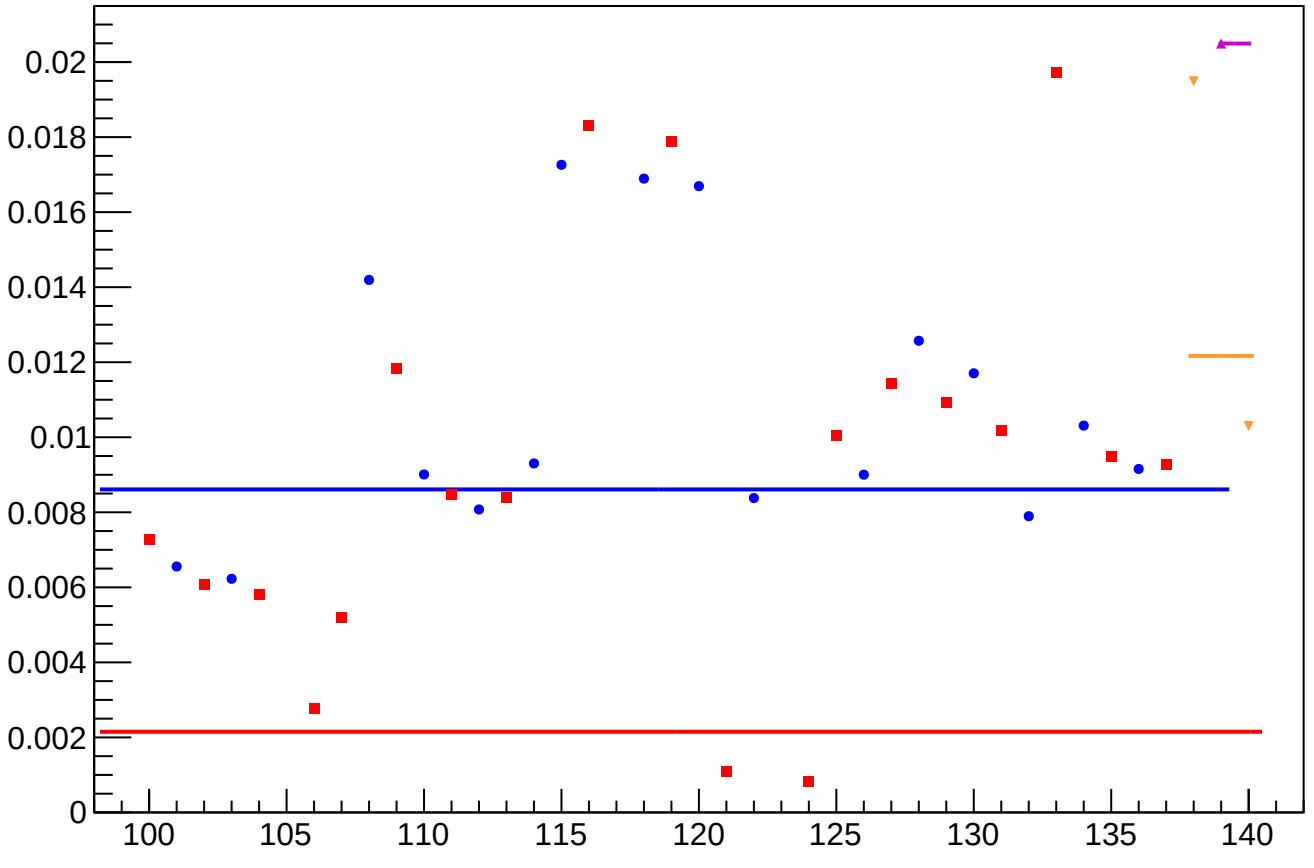
Left: 0.000+/-0.000 χ^2/NDF: 3.3/2

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: 0.000+/-0.000 χ^2/NDF:24.2/16

Out: 0.000+/-0.000 χ^2/NDF:17.9/20

All: 0.000+/-0.000 χ^2/NDF: 42.4/37



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:271150.5/1

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.020+/-0.000 χ^2/NDF:0.0/0

Left: 0.014+/-0.000 χ^2/NDF: 502192.3/2

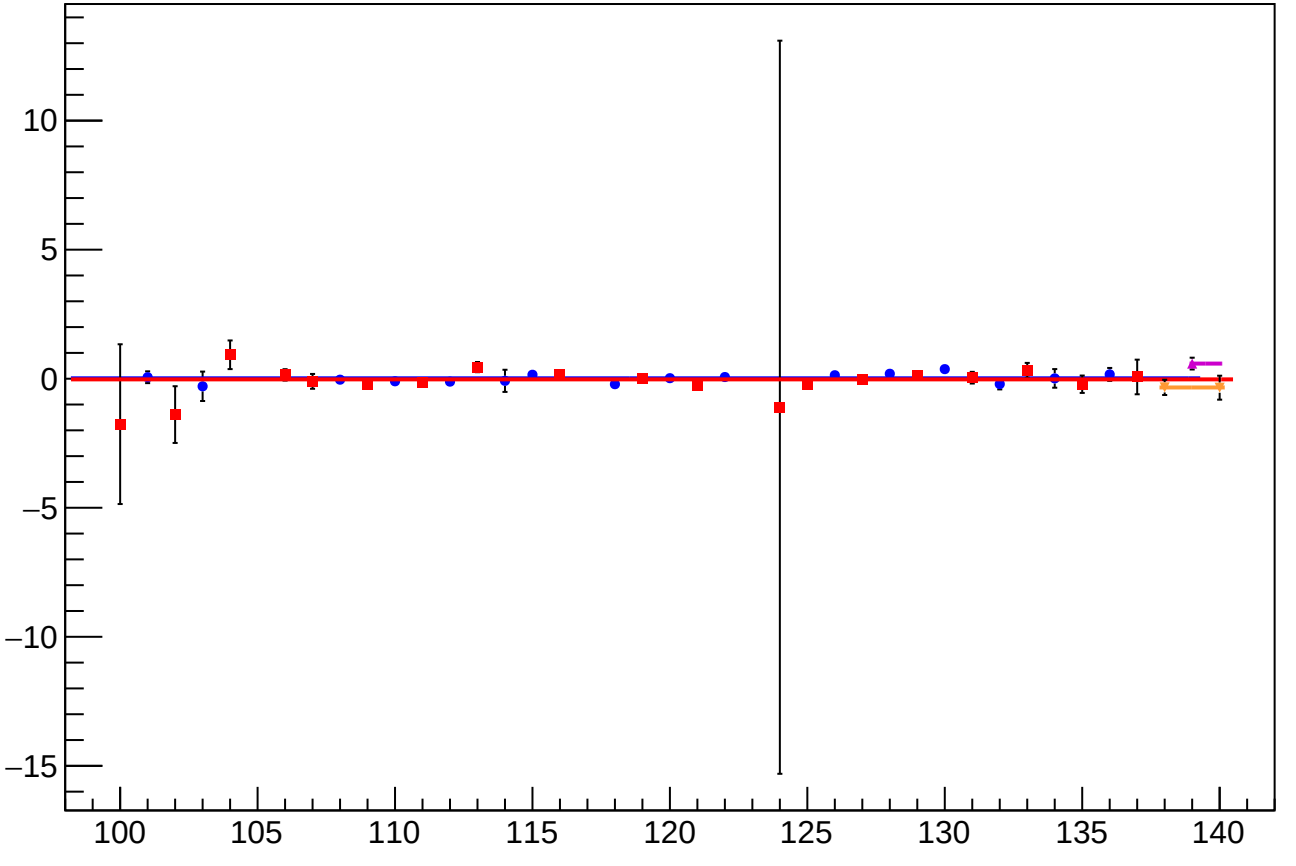
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.009+/-0.000 χ^2/NDF:1667699.8/16

Out: 0.002+/-0.000 χ^2/NDF:11311150.6/20

All: 0.003+/-0.000 χ^2/NDF: 19634201.8/37

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.339+/-0.249 χ^2/NDF:0.0/1

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.586+/-0.229 χ^2/NDF:0.0/0

Left: 0.162+/-0.168 χ^2/NDF: 7.5/2

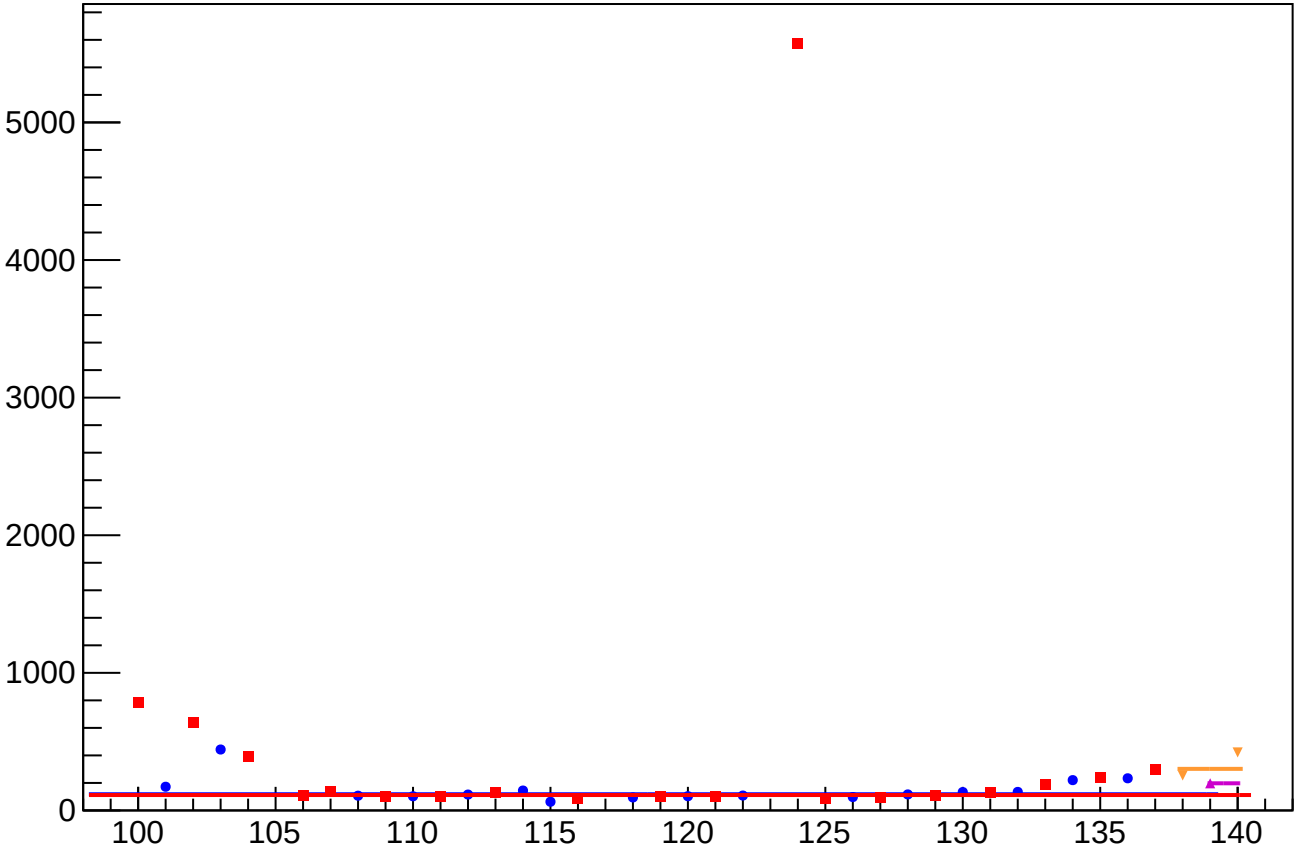
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.039+/-0.047 χ^2/NDF:17.8/16

Out: -0.036+/-0.046 χ^2/NDF:23.6/20

All: 0.001+/-0.033 χ^2/NDF: 42.7/37

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 302.281+/-0.176 χ^2/NDF:185588.3/1

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 197.334+/-0.162 χ^2/NDF:0.0/0

Left: 245.378+/-0.119 χ^2/NDF: 378177.1/2

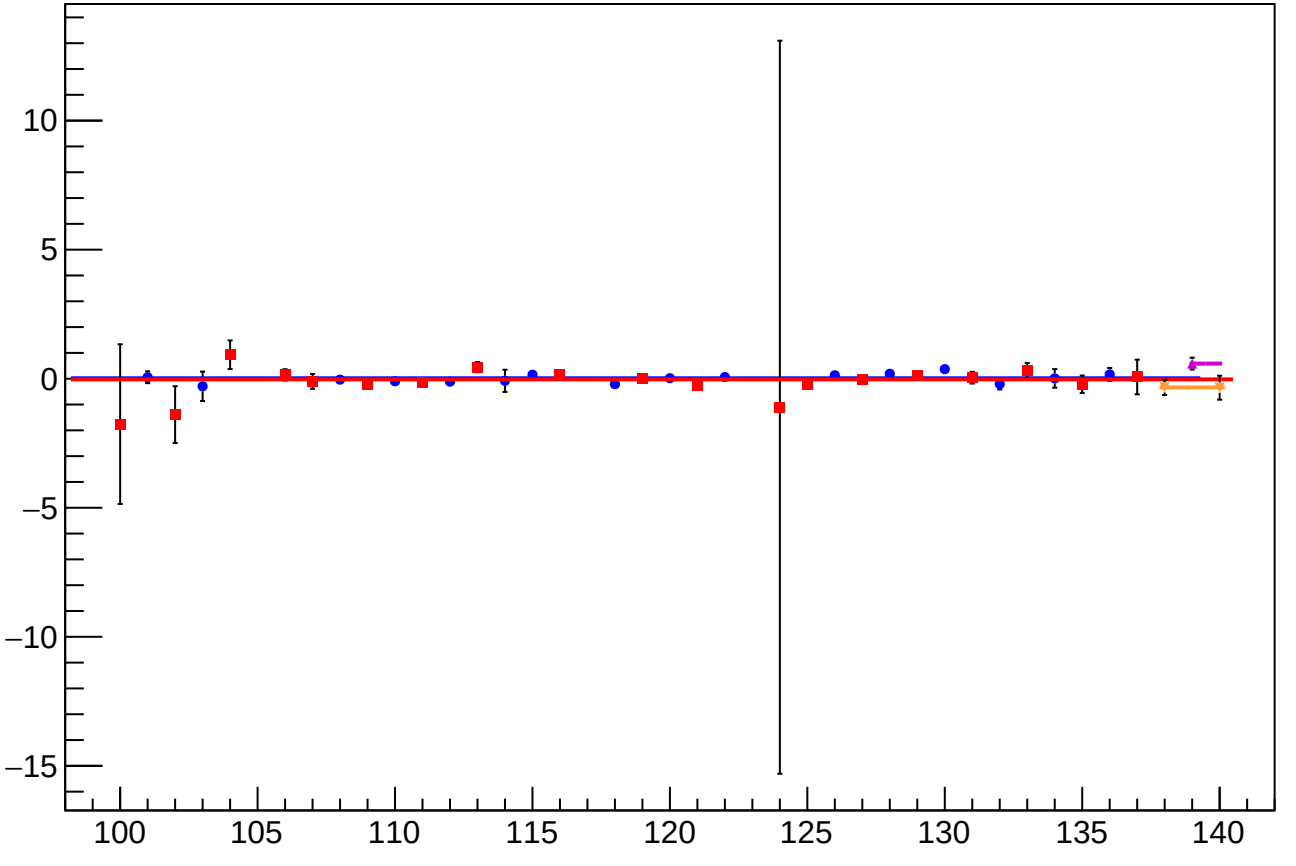
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 120.994+/-0.033 χ^2/NDF:1954718.0/16

Out: 118.624+/-0.033 χ^2/NDF:3498158.4/20

All: 119.787+/-0.023 χ^2/NDF: 5455477.6/37

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.339+/-0.249 χ^2/NDF:0.0/1

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.586+/-0.229 χ^2/NDF:0.0/0

Left: 0.162+/-0.168 χ^2/NDF: 7.5/2

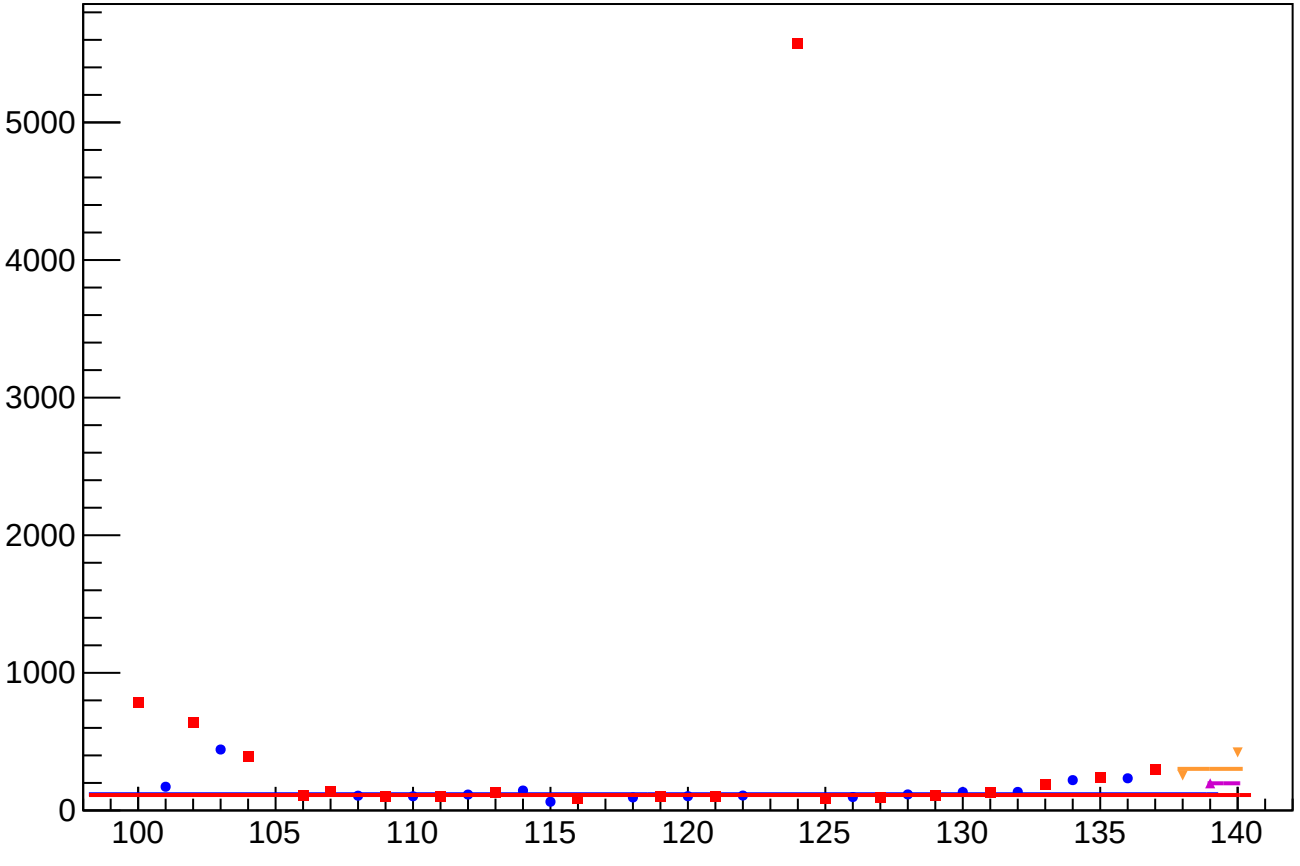
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.039+/-0.047 χ^2/NDF:17.8/16

Out: -0.036+/-0.046 χ^2/NDF:23.6/20

All: 0.001+/-0.033 χ^2/NDF: 42.7/37

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 302.281+/-0.176 χ^2/NDF:185588.3/1

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 197.334+/-0.162 χ^2/NDF:0.0/0

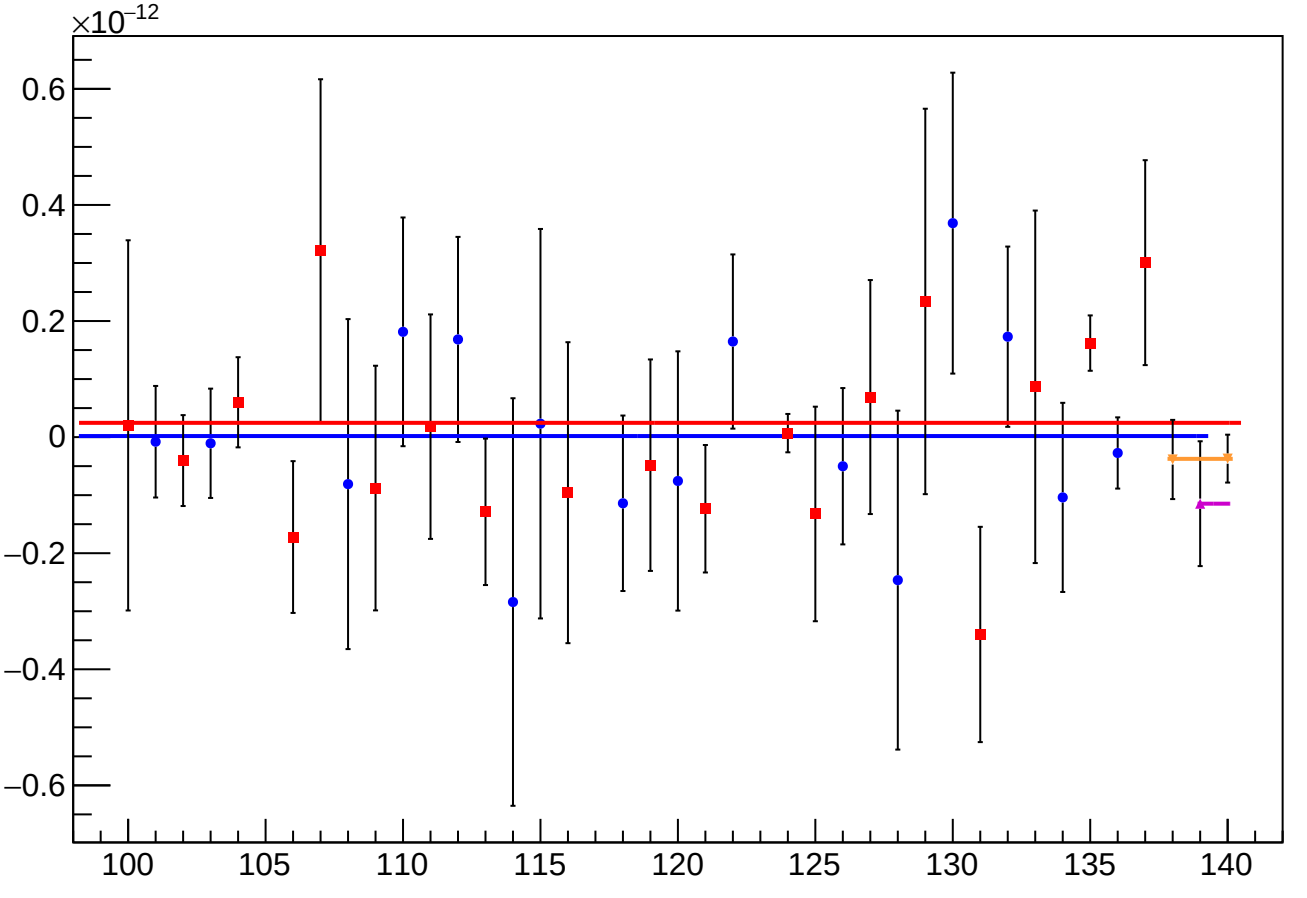
Left: 245.378+/-0.119 χ^2/NDF: 378177.1/2

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 120.994+/-0.033 χ^2/NDF:1954718.0/16

Out: 118.624+/-0.033 χ^2/NDF:3498158.4/20

All: 119.787+/-0.023 χ^2/NDF: 5455477.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

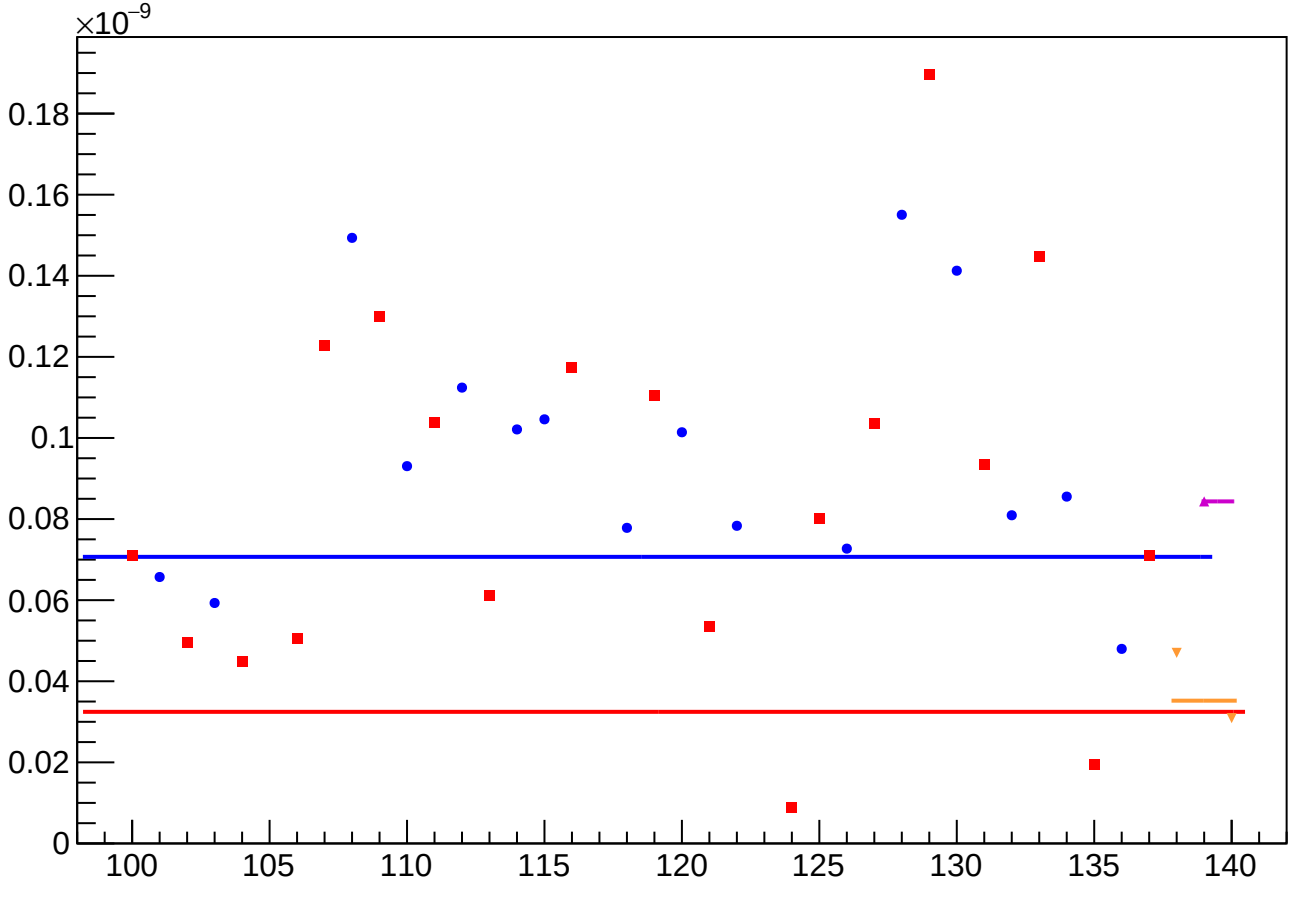
Left: -0.000+/-0.000 χ^2/NDF: 0.5/2

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:10.2/16

Out: 0.000+/-0.000 χ^2/NDF:26.5/20

All: 0.000+/-0.000 χ^2/NDF: 36.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:81574.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

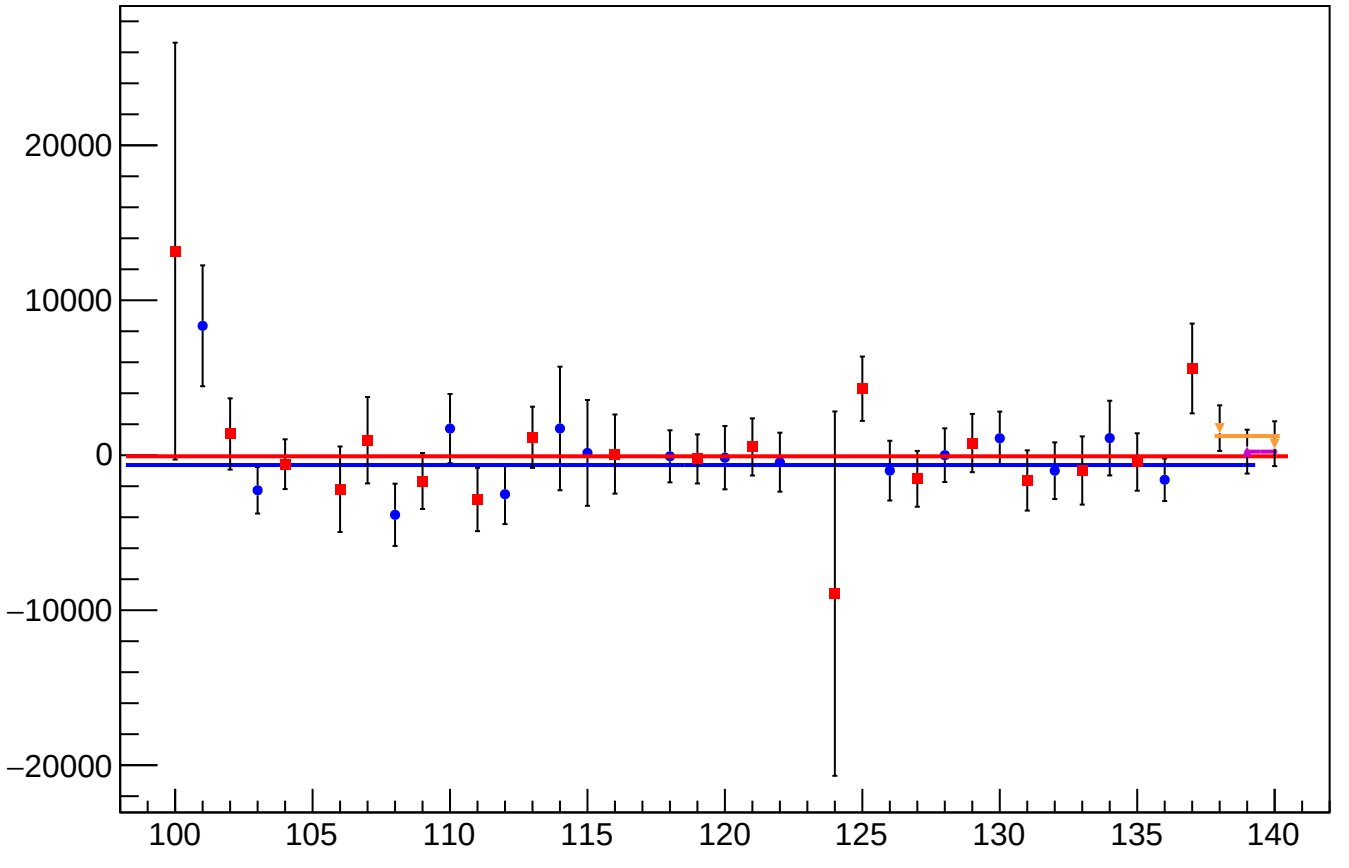
Left: 0.000+/-0.000 χ^2/NDF: 458588.0/2

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:1053039.6/16

Out: 0.000+/-0.000 χ^2/NDF:4539588.4/20

All: 0.000+/-0.000 χ^2/NDF: 7712557.8/37



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.687+/-1031.611 χ^2/NDF:0.2/1

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: 233.052+/-1415.193 χ^2/NDF:0.0/0

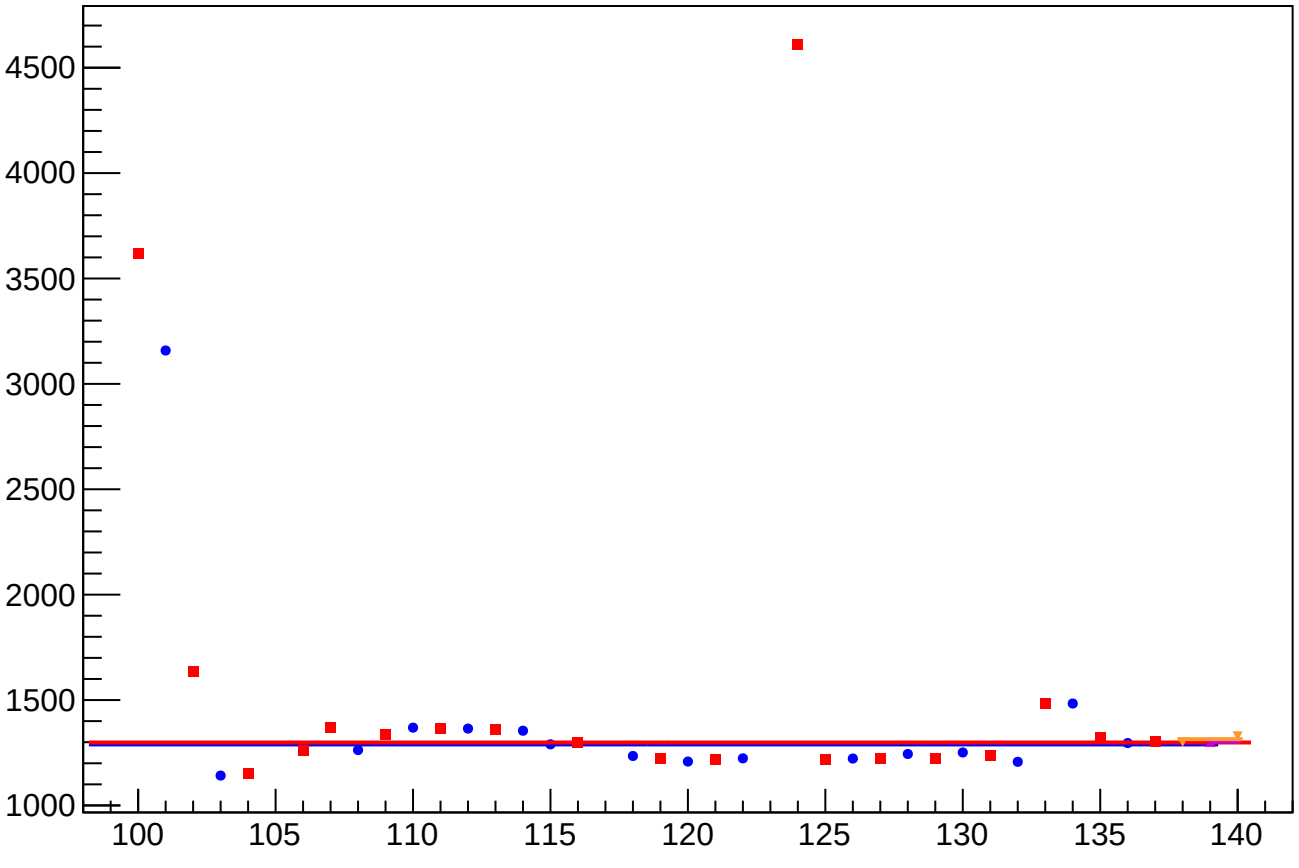
Left: 889.740+/-833.634 χ^2/NDF: 0.6/2

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -538.990+/-461.902 χ^2/NDF:14.2/16

Out: 171.035+/-440.956 χ^2/NDF:17.4/20

All: -167.514+/-318.951 χ^2/NDF: 32.9/37



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1301.933+/-1.001 χ^2/NDF:0.0/0

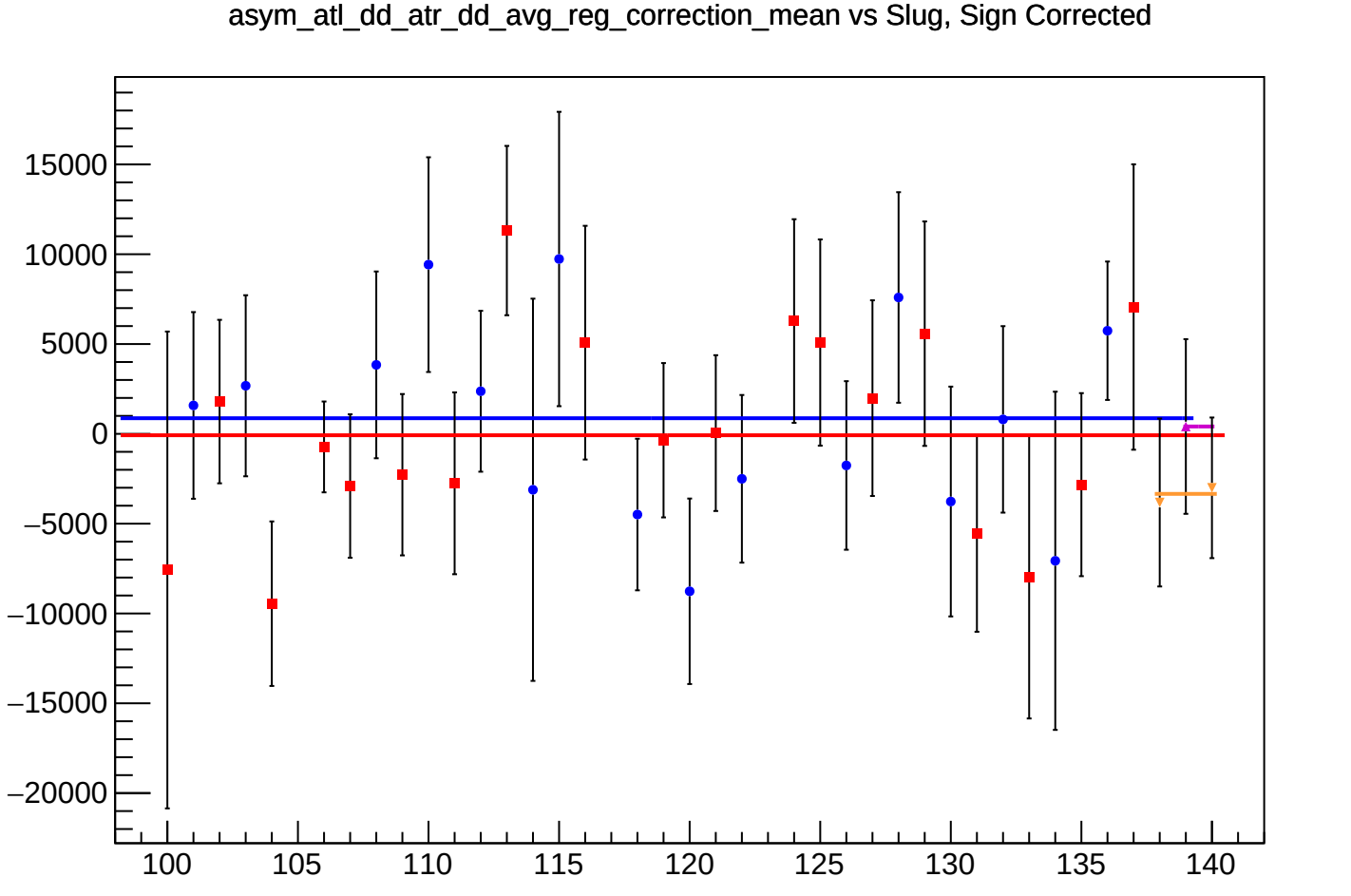
Left: 1310.063+/-0.589 χ^2/NDF: 454.6/2

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1290.794+/-0.327 χ^2/NDF:514813.7/16

Out: 1301.517+/-0.311 χ^2/NDF:320108.6/20

All: 1296.416+/-0.225 χ^2/NDF: 835487.4/37



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -3341.980+/-3000.918 χ^2/NDF:0.0/1

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 410.082+/-4862.047 χ^2/NDF:0.0/0

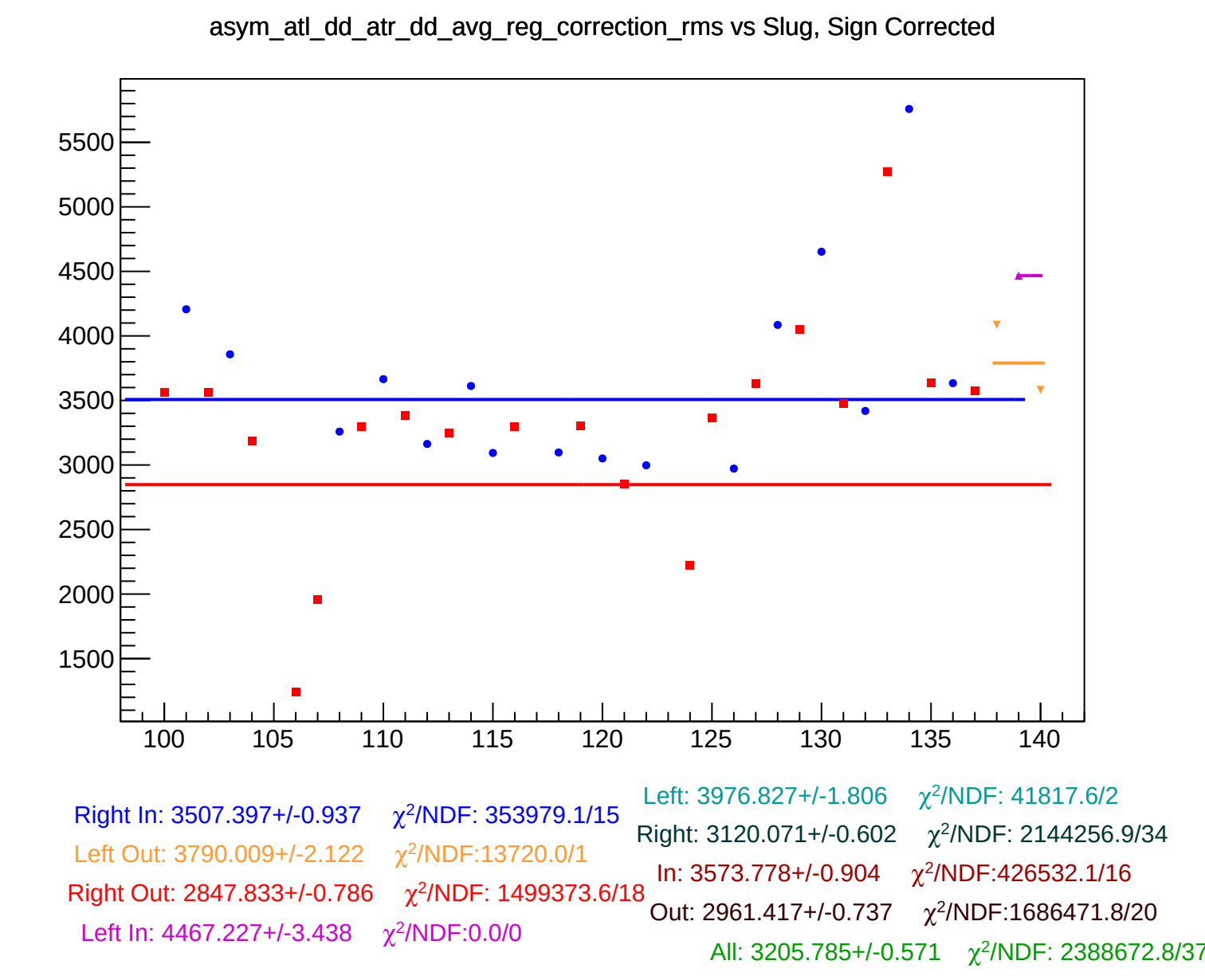
Left: -2306.930+/-2553.671 χ^2/NDF: 0.4/2

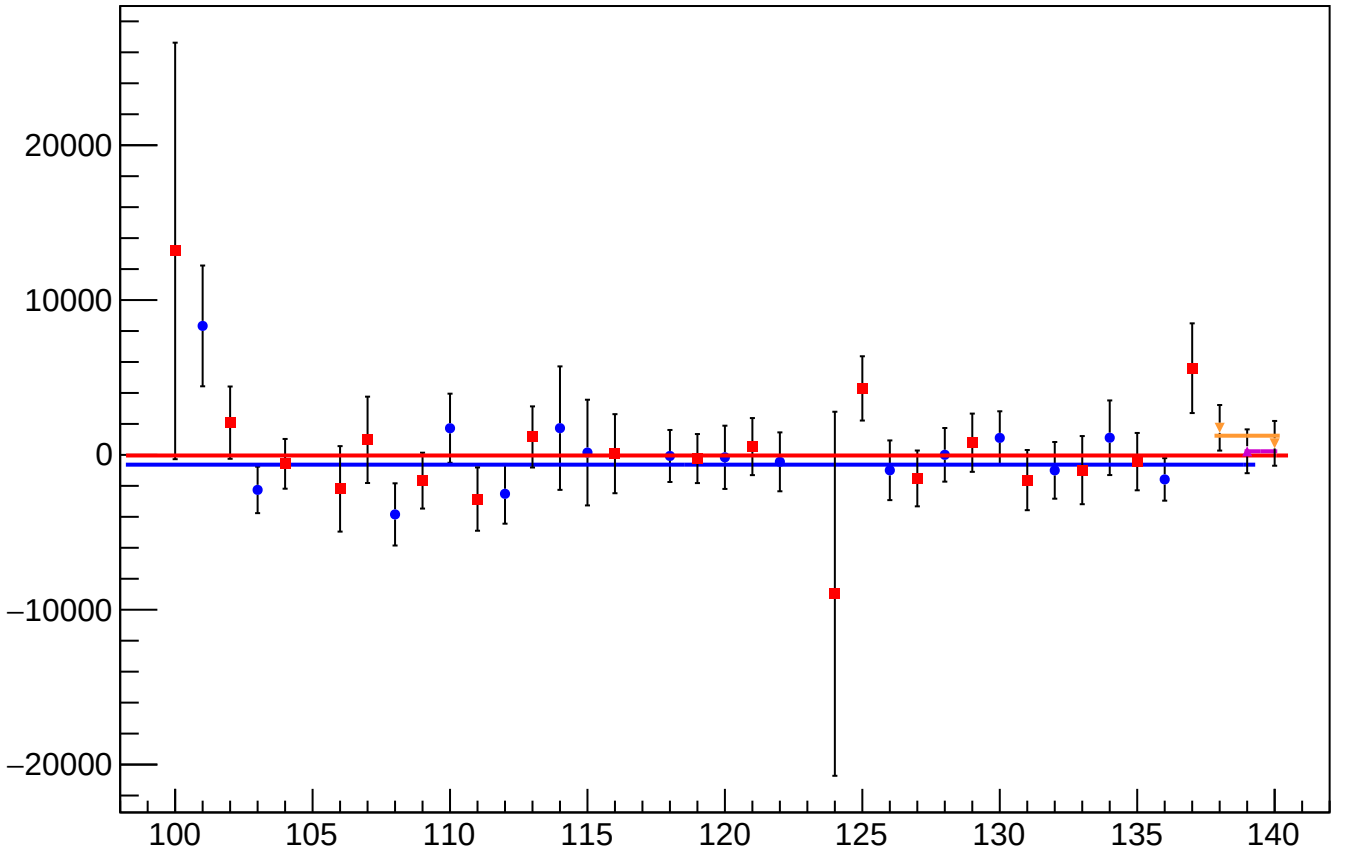
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 838.467+/-1278.629 χ^2/NDF:14.0/16

Out: -470.895+/-1041.951 χ^2/NDF:19.4/20

All: 51.617+/-807.724 χ^2/NDF: 34.1/37


asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
105
110
115
120
125
130
135
140
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3790.009+/-2.122 χ²/NDF:13720.0/1
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 4467.227+/-3.438 χ²/NDF:0.0/0
Left: 3976.827+/-1.806 χ²/NDF: 41817.6/2
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3573.778+/-0.904 χ²/NDF:426532.1/16
Out: 2961.417+/-0.737 χ²/NDF:1686471.8/20
All: 3205.785+/-0.571 χ²/NDF: 2388672.8/37



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF:0.2/1

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 233.286+/-1415.193 χ^2/NDF:0.0/0

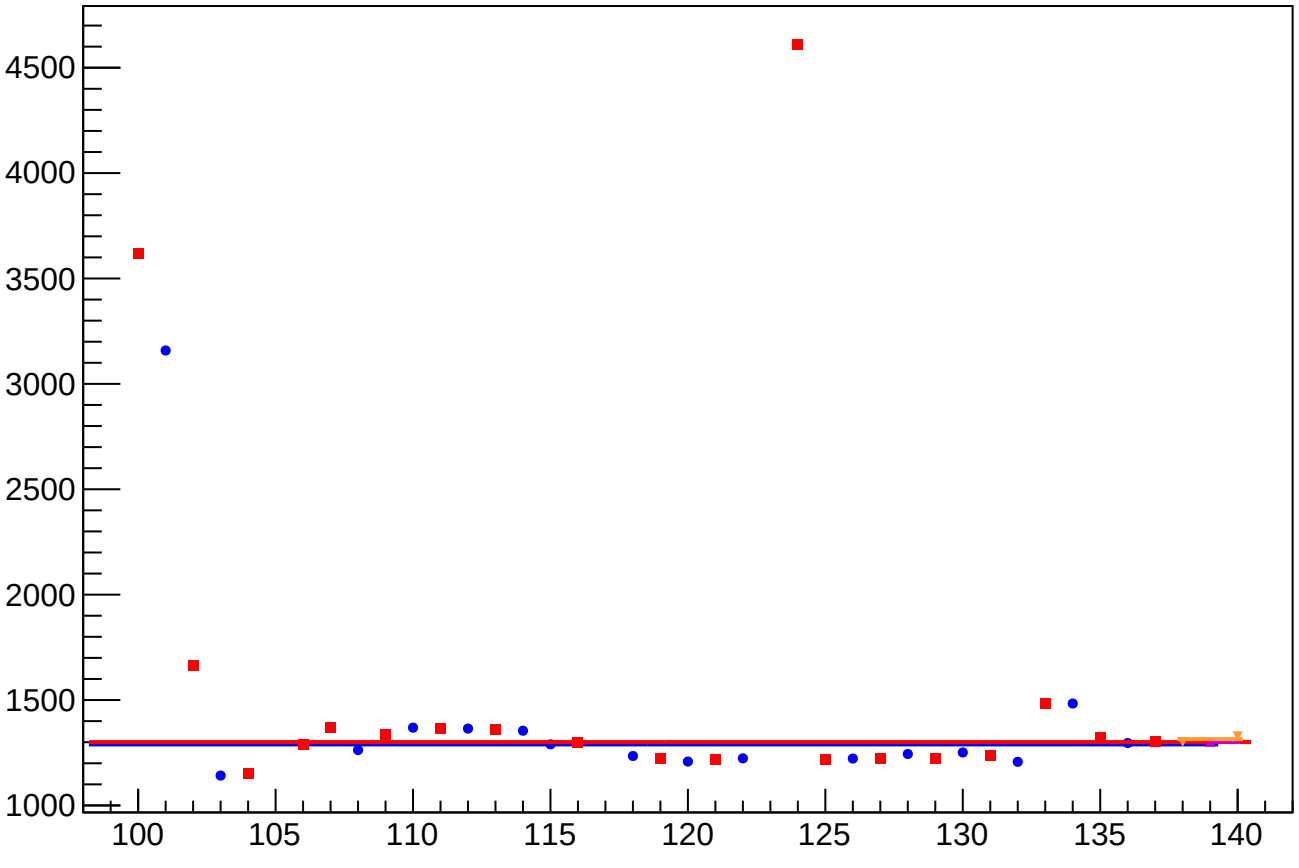
Left: 889.770+/-833.634 χ^2/NDF: 0.6/2

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -539.310+/-461.902 χ^2/NDF:14.2/16

Out: 194.991+/-441.195 χ^2/NDF:17.8/20

All: -155.332+/-319.041 χ^2/NDF: 33.3/37



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1301.933+/-1.001 χ^2/NDF:0.0/0

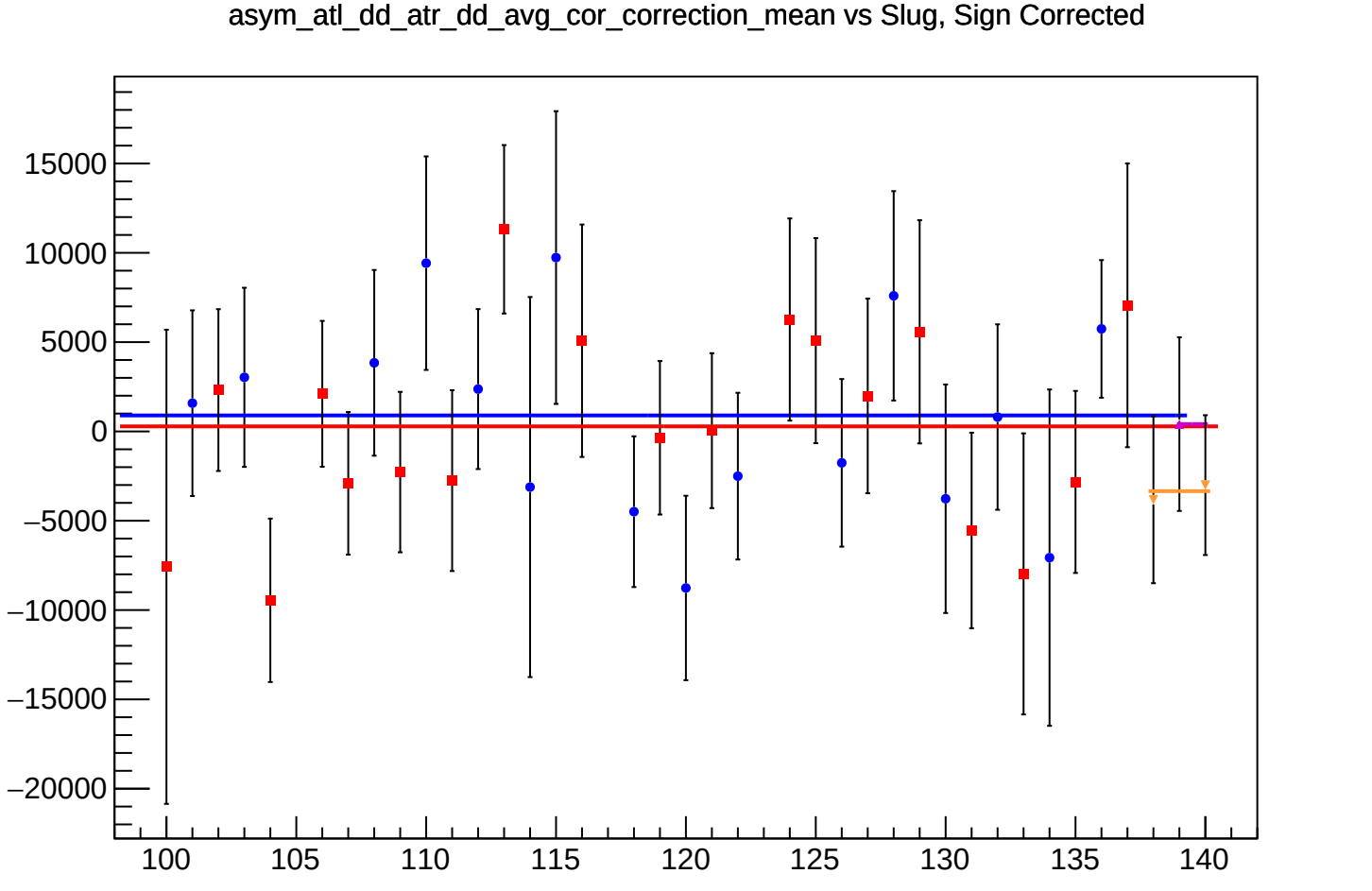
Left: 1310.063+/-0.589 χ^2/NDF: 454.6/2

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1290.794+/-0.327 χ^2/NDF:514815.2/16

Out: 1303.182+/-0.311 χ^2/NDF:326549.5/20

All: 1297.281+/-0.225 χ^2/NDF: 842118.0/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3342.029+/-3000.914 χ^2/NDF:0.0/1

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 410.057+/-4862.030 χ^2/NDF:0.0/0

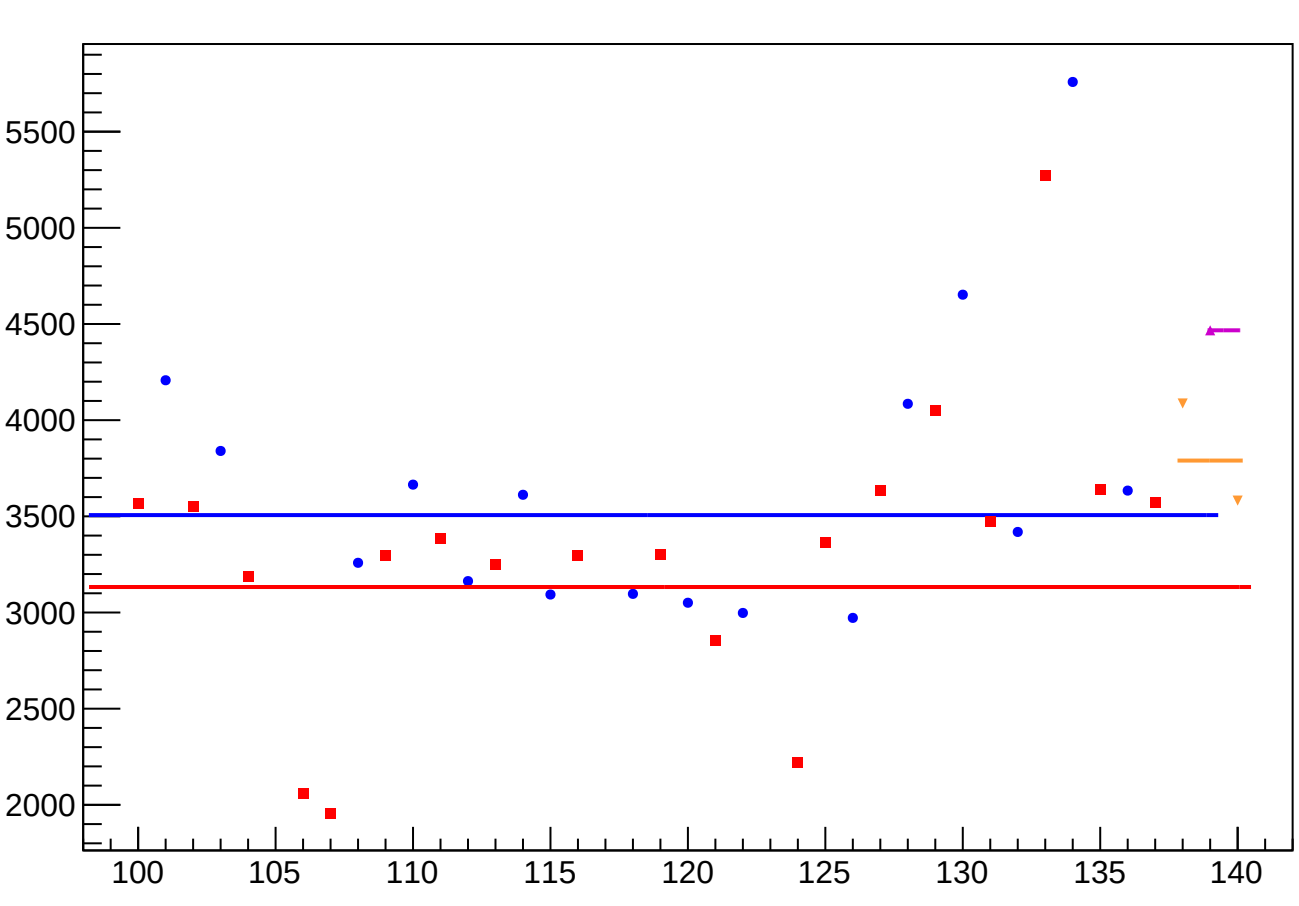
Left: -2306.969+/-2553.665 χ^2/NDF: 0.4/2

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 862.429+/-1278.220 χ^2/NDF:14.1/16

Out: -203.863+/-1100.708 χ^2/NDF:19.9/20

All: 250.159+/-834.076 χ^2/NDF: 34.4/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF:13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4467.211+/-3.438 χ^2/NDF:0.0/0

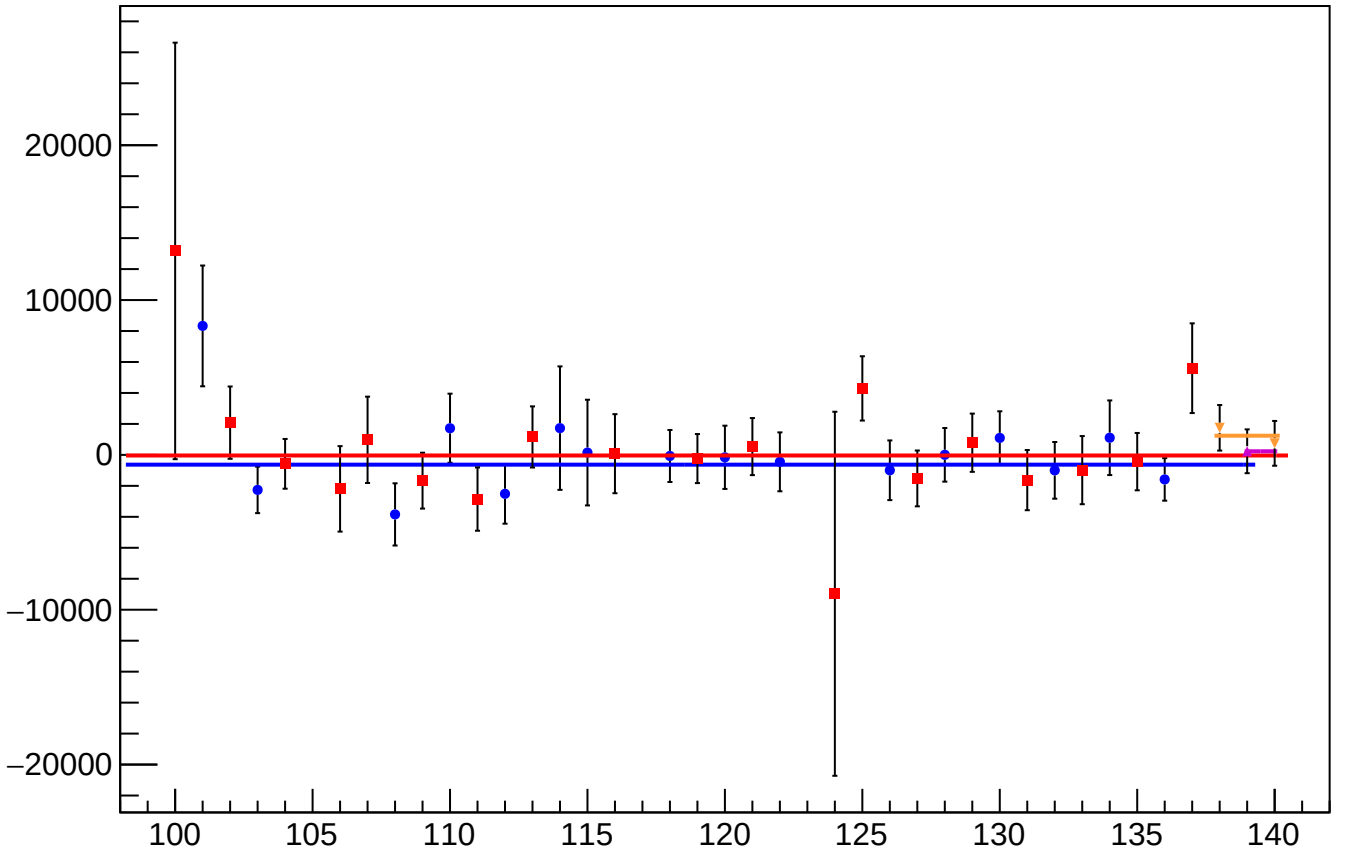
Left: 3976.819+/-1.806 χ^2/NDF: 41817.3/2

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.885+/-0.904 χ^2/NDF:425930.3/16

Out: 3221.032+/-0.778 χ^2/NDF:746403.3/20

All: 3370.850+/-0.590 χ^2/NDF: 1259351.3/37



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF:0.2/1

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 233.286+/-1415.193 χ^2/NDF:0.0/0

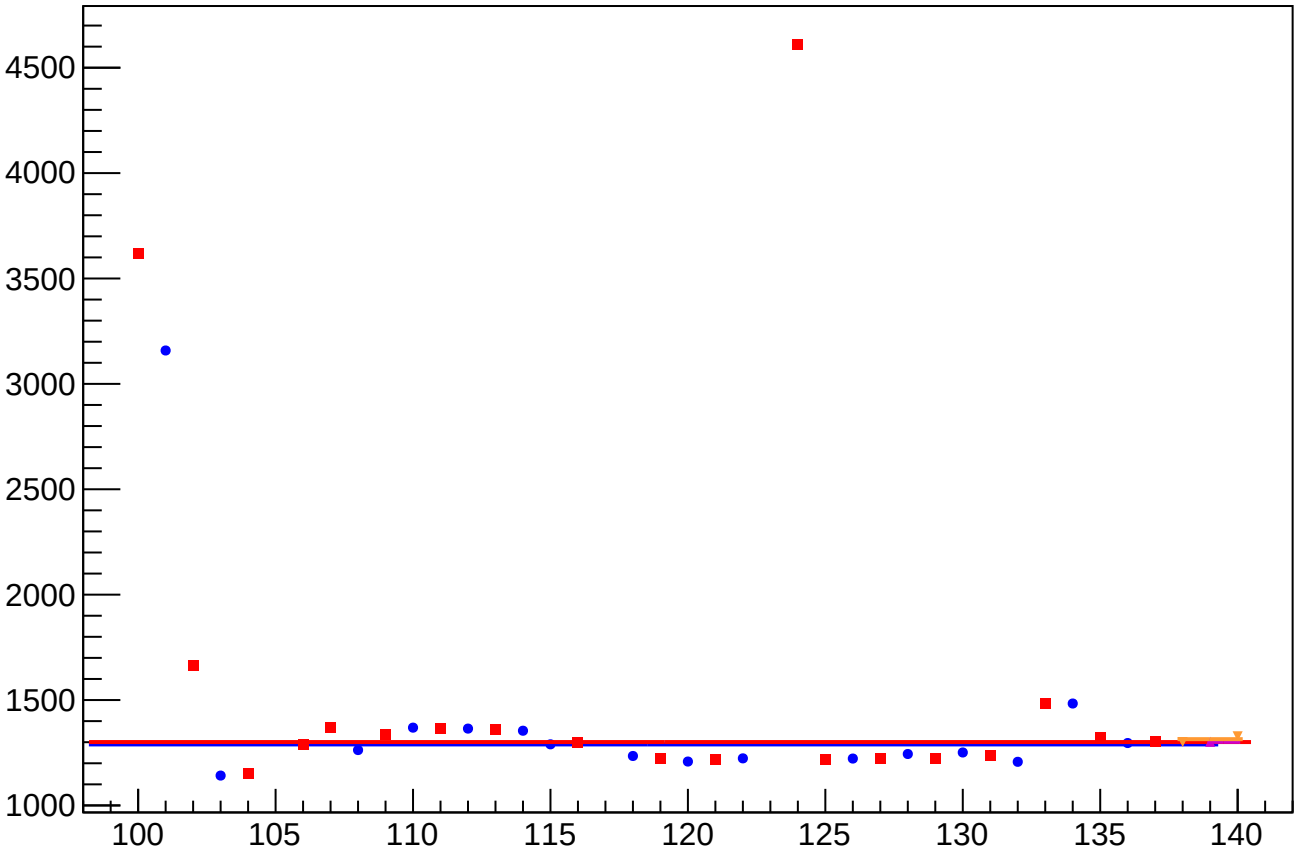
Left: 889.770+/-833.634 χ^2/NDF: 0.6/2

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -539.310+/-461.902 χ^2/NDF:14.2/16

Out: 194.991+/-441.195 χ^2/NDF:17.8/20

All: -155.332+/-319.041 χ^2/NDF: 33.3/37



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1301.933+/-1.001 χ^2/NDF:0.0/0

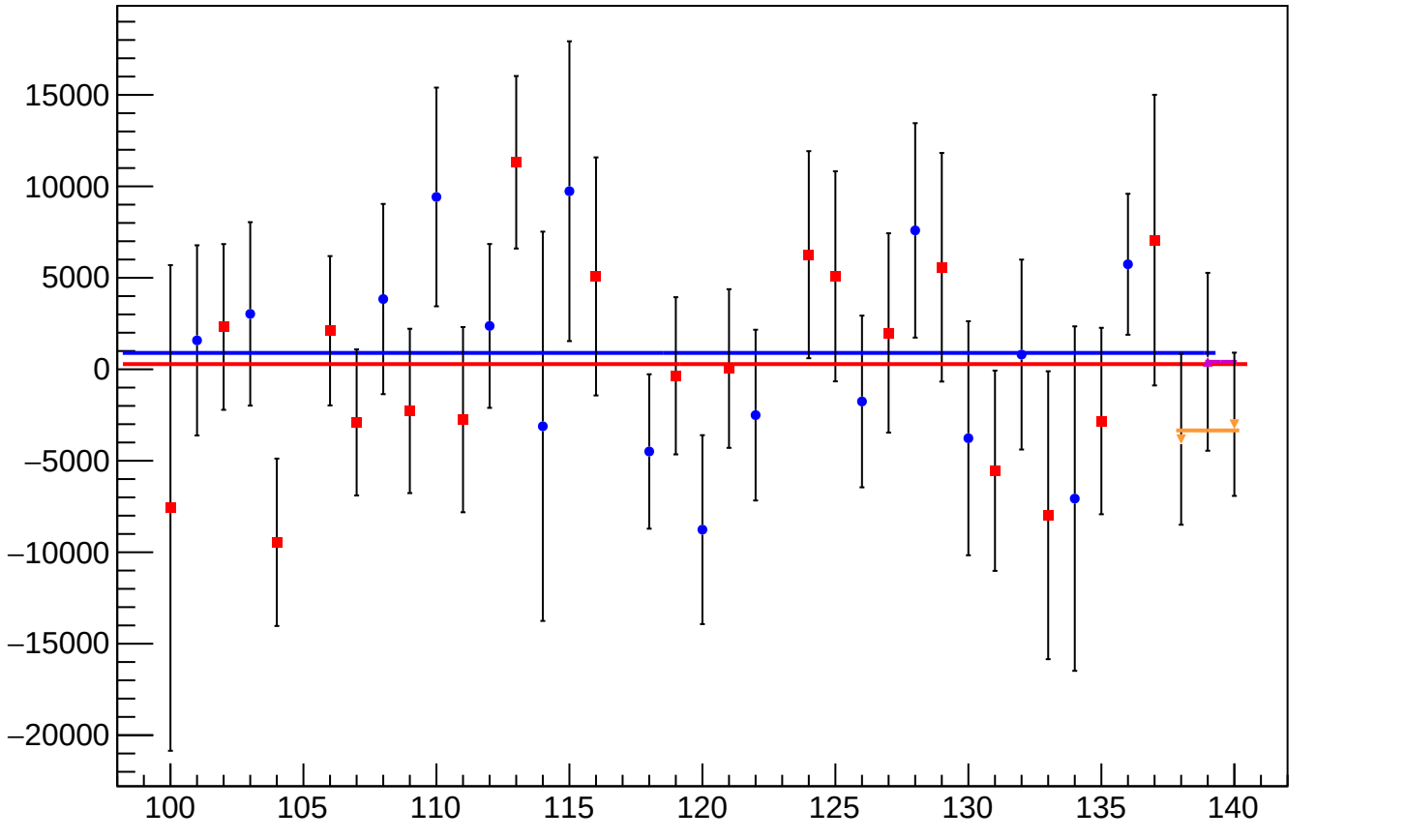
Left: 1310.063+/-0.589 χ^2/NDF: 454.6/2

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1290.794+/-0.327 χ^2/NDF:514815.2/16

Out: 1303.182+/-0.311 χ^2/NDF:326549.5/20

All: 1297.281+/-0.225 χ^2/NDF: 842118.0/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3342.029+/-3000.914 χ^2/NDF:0.0/1

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 410.057+/-4862.030 χ^2/NDF:0.0/0

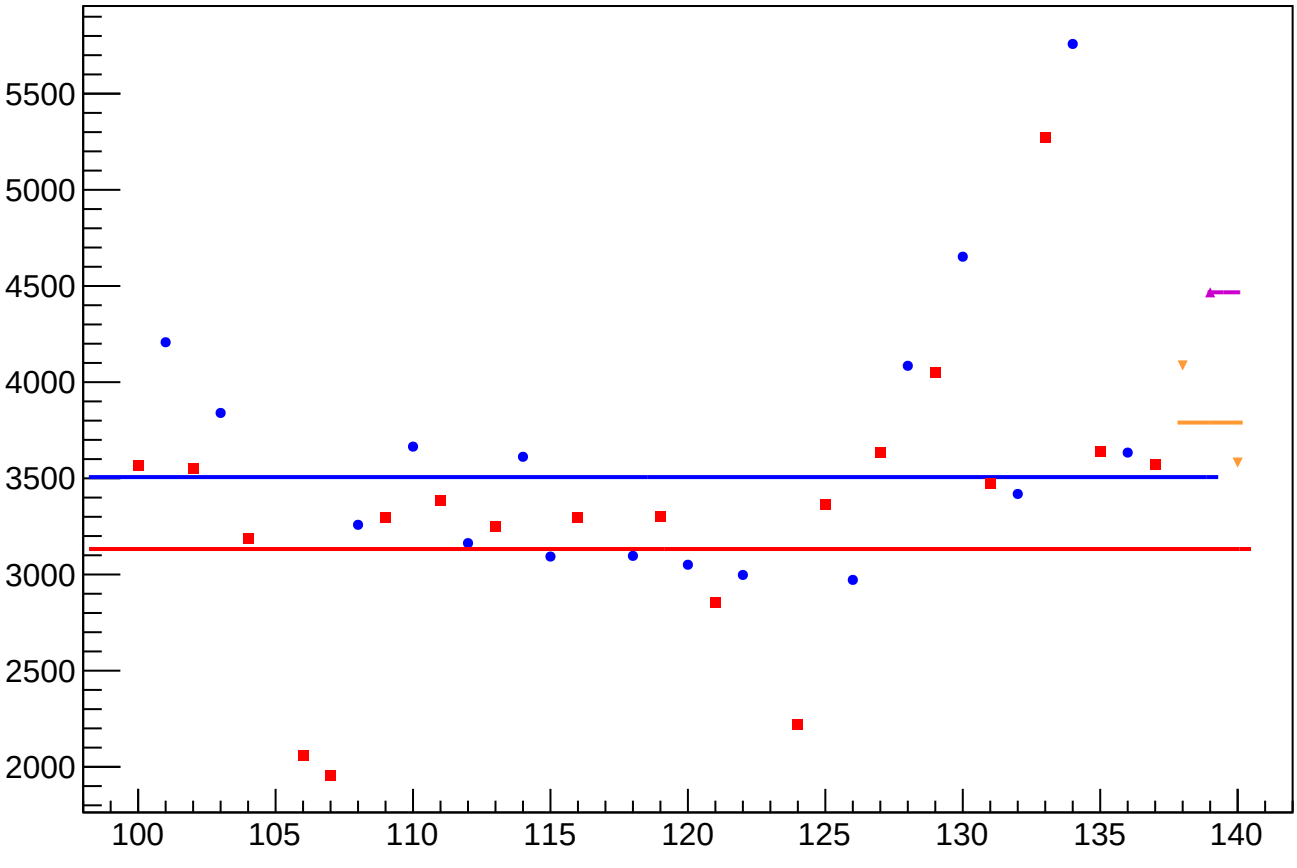
Left: -2306.969+/-2553.665 χ^2/NDF: 0.4/2

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 862.429+/-1278.220 χ^2/NDF:14.1/16

Out: -203.863+/-1100.708 χ^2/NDF:19.9/20

All: 250.159+/-834.076 χ^2/NDF: 34.4/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF:13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4467.211+/-3.438 χ^2/NDF:0.0/0

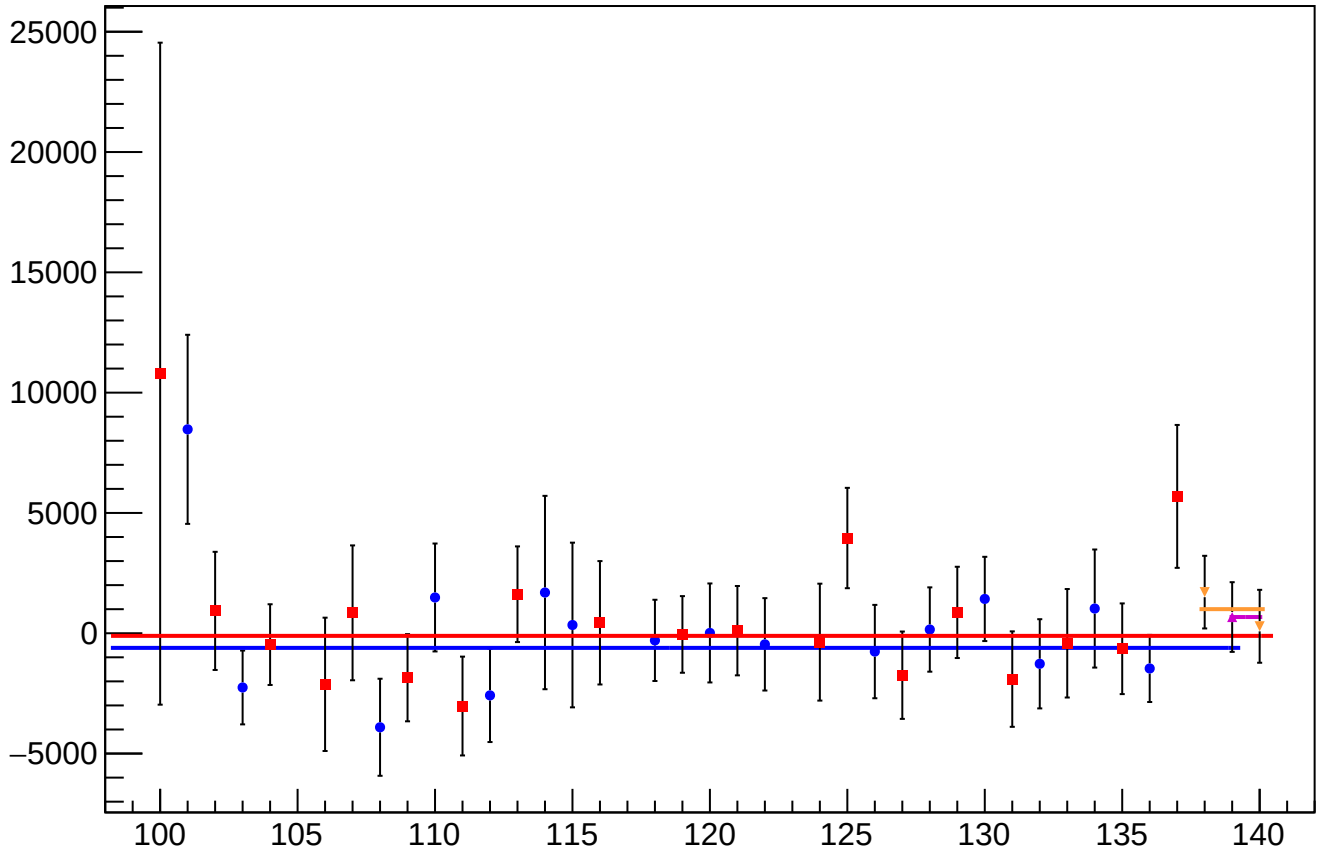
Left: 3976.819+/-1.806 χ^2/NDF: 41817.3/2

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.885+/-0.904 χ^2/NDF:425930.3/16

Out: 3221.032+/-0.778 χ^2/NDF:746403.3/20

All: 3370.850+/-0.590 χ^2/NDF: 1259351.3/37



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1001.801+/-1069.457 χ^2/NDF:0.4/1

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: 674.162+/-1448.021 χ^2/NDF:0.0/0

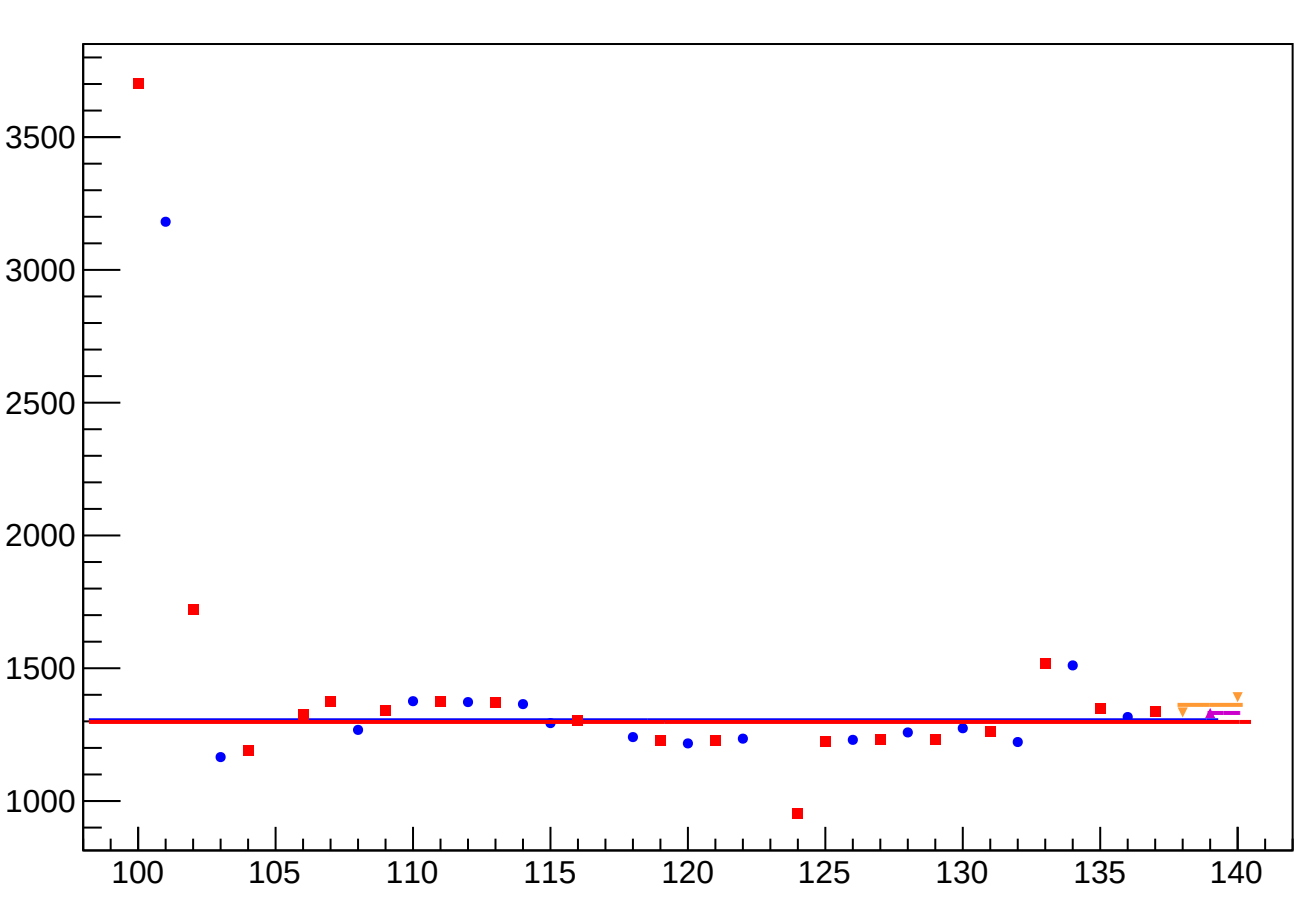
Left: 886.161+/-860.265 χ^2/NDF: 0.5/2

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -474.091+/-467.695 χ^2/NDF:14.8/16

Out: 81.160+/-442.119 χ^2/NDF:16.2/20

All: -180.869+/-321.287 χ^2/NDF: 31.8/37



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1362.076+/-0.756 χ^2/NDF:1440.8/1

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1331.596+/-1.024 χ^2/NDF:0.0/0

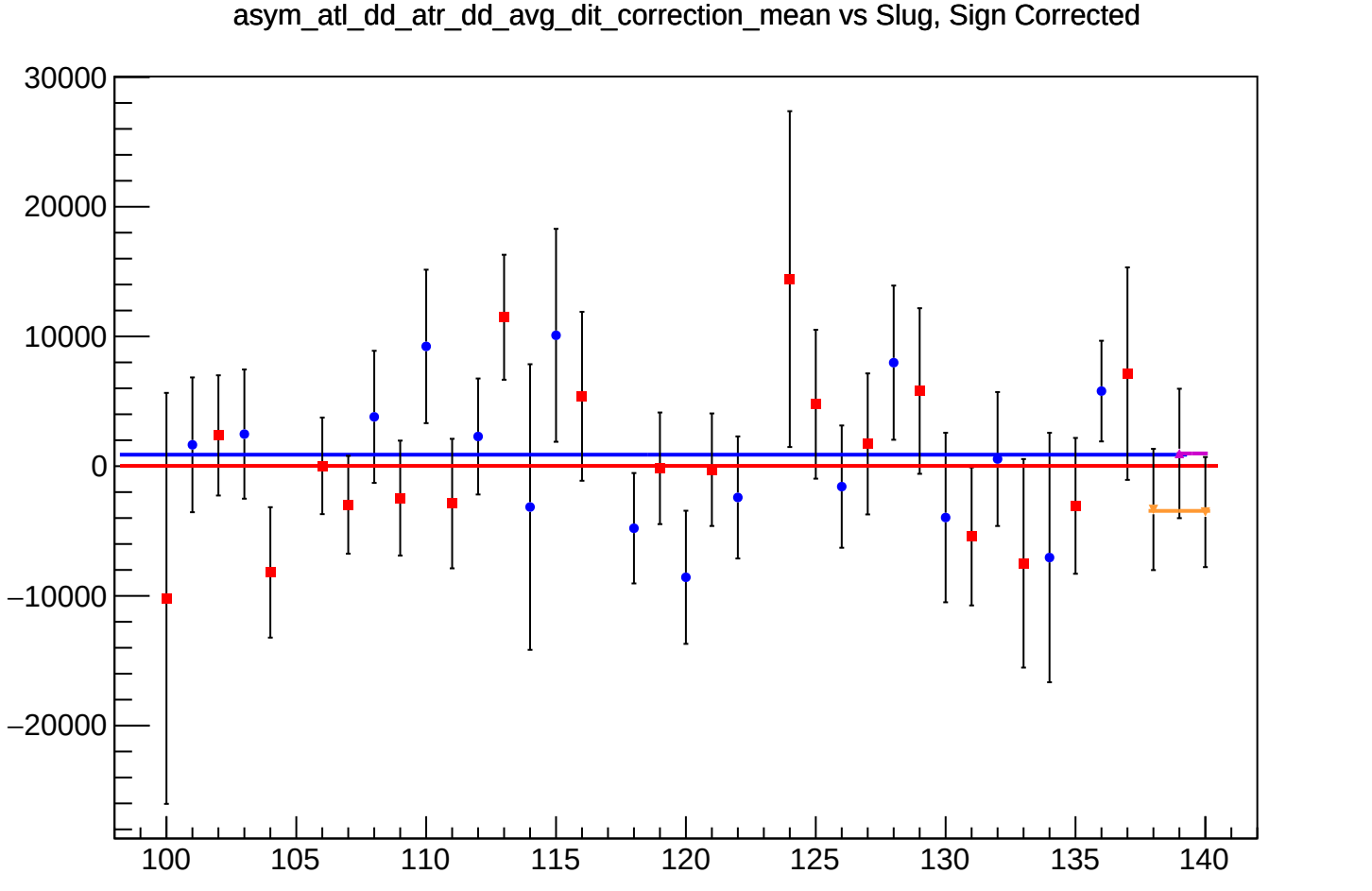
Left: 1351.318+/-0.608 χ^2/NDF: 2014.2/2

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1306.971+/-0.331 χ^2/NDF:511235.2/16

Out: 1308.768+/-0.312 χ^2/NDF:220529.6/20

All: 1307.920+/-0.227 χ^2/NDF: 731780.4/37



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3448.190+/-3141.914 χ^2/NDF:0.0/1

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 980.044+/-4987.994 χ^2/NDF:0.0/0

Left: -2190.299+/-2658.472 χ^2/NDF: 0.6/2

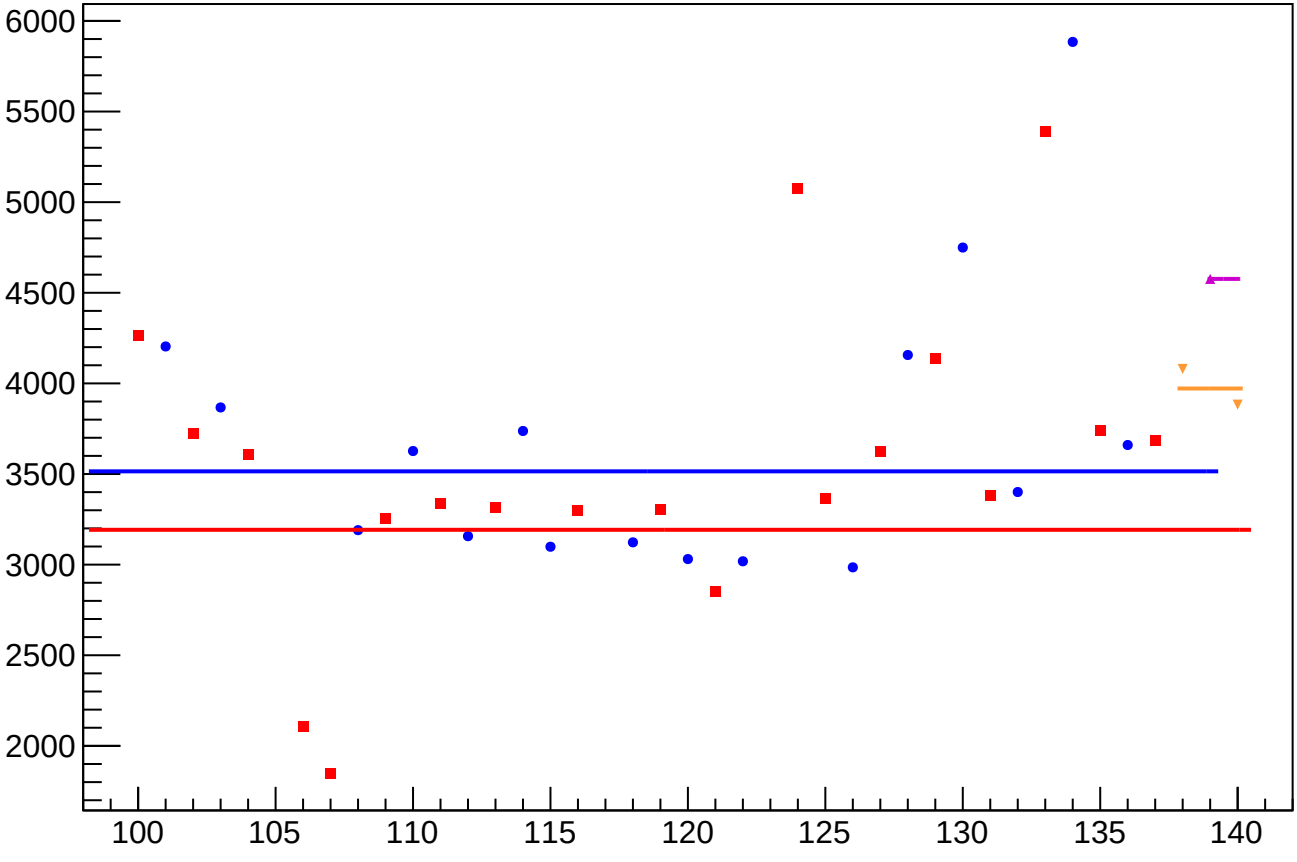
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 890.406+/-1282.754 χ^2/NDF:14.1/16

Out: -420.925+/-1121.031 χ^2/NDF:17.9/20

All: 146.914+/-844.111 χ^2/NDF: 32.6/37

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3971.800+/-2.222 χ^2/NDF:1950.7/1

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4576.548+/-3.527 χ^2/NDF:0.0/0

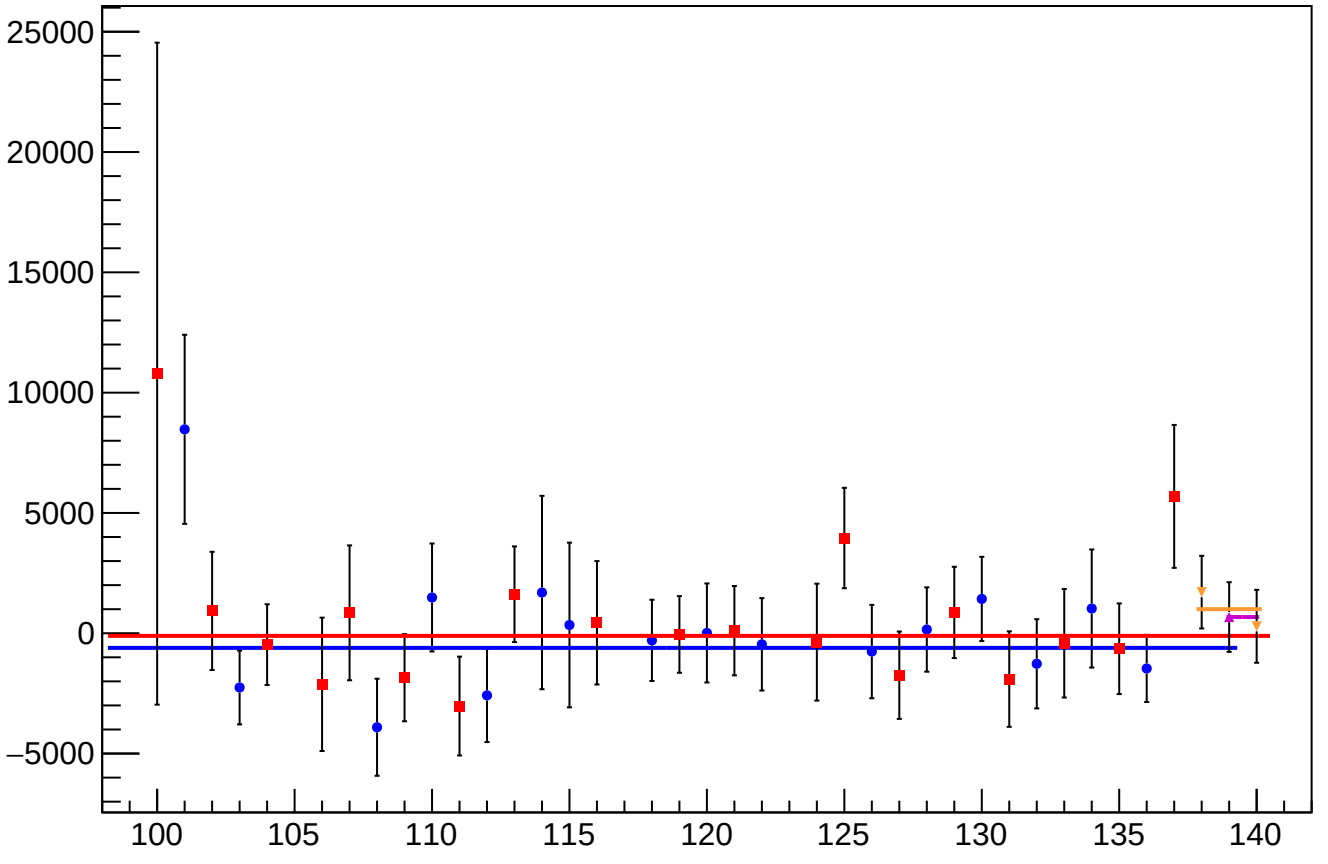
Left: 4143.585+/-1.880 χ^2/NDF: 22998.4/2

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3584.969+/-0.907 χ^2/NDF:459713.6/16

Out: 3291.450+/-0.793 χ^2/NDF:881905.4/20

All: 3418.551+/-0.597 χ^2/NDF: 1400990.5/37



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1001.798+/-1069.458 χ^2/NDF:0.4/1

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 674.178+/-1448.023 χ^2/NDF:0.0/0

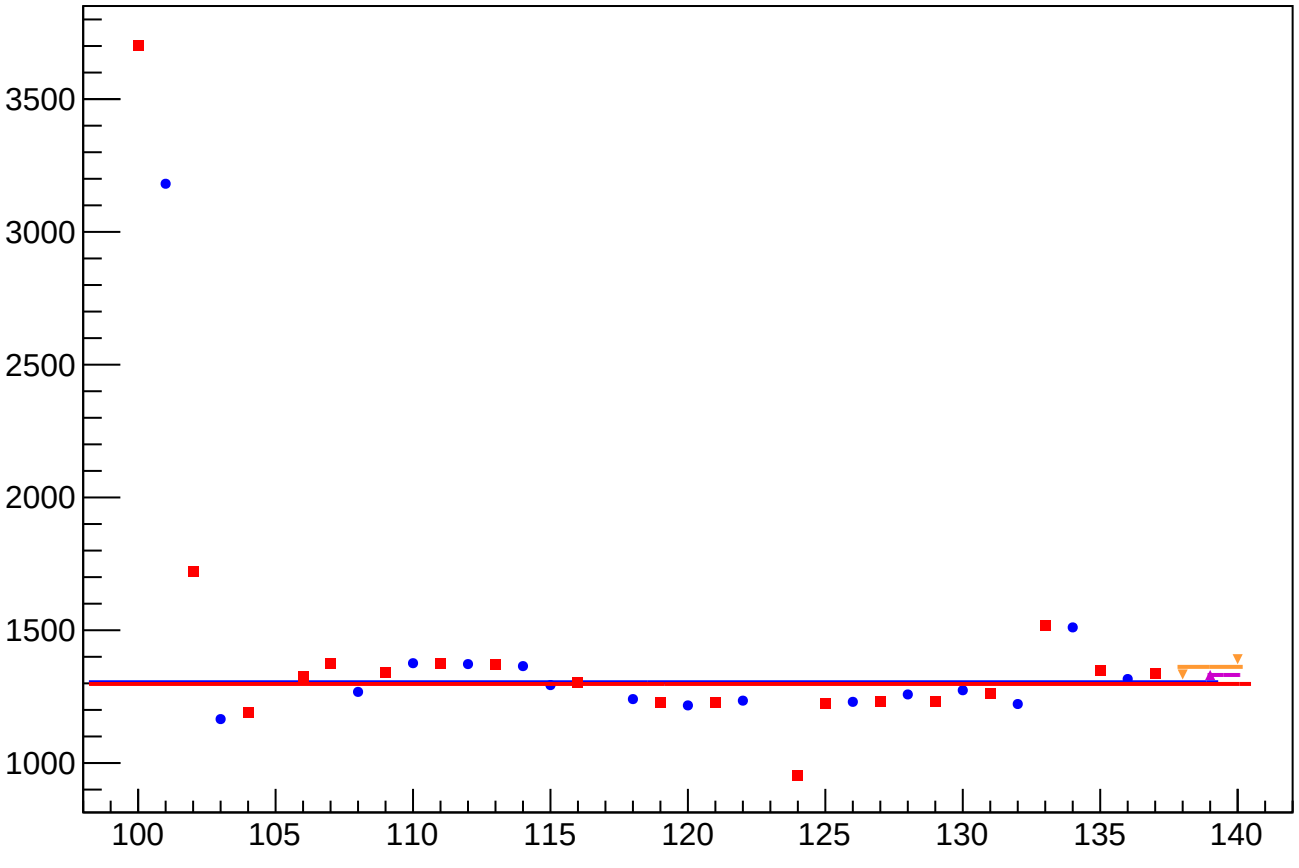
Left: 886.164+/-860.265 χ^2/NDF: 0.5/2

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -474.092+/-467.695 χ^2/NDF:14.8/16

Out: 81.155+/-442.119 χ^2/NDF:16.2/20

All: -180.872+/-321.287 χ^2/NDF: 31.8/37



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1362.076+/-0.756 χ^2/NDF:1440.8/1

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1331.597+/-1.024 χ^2/NDF:0.0/0

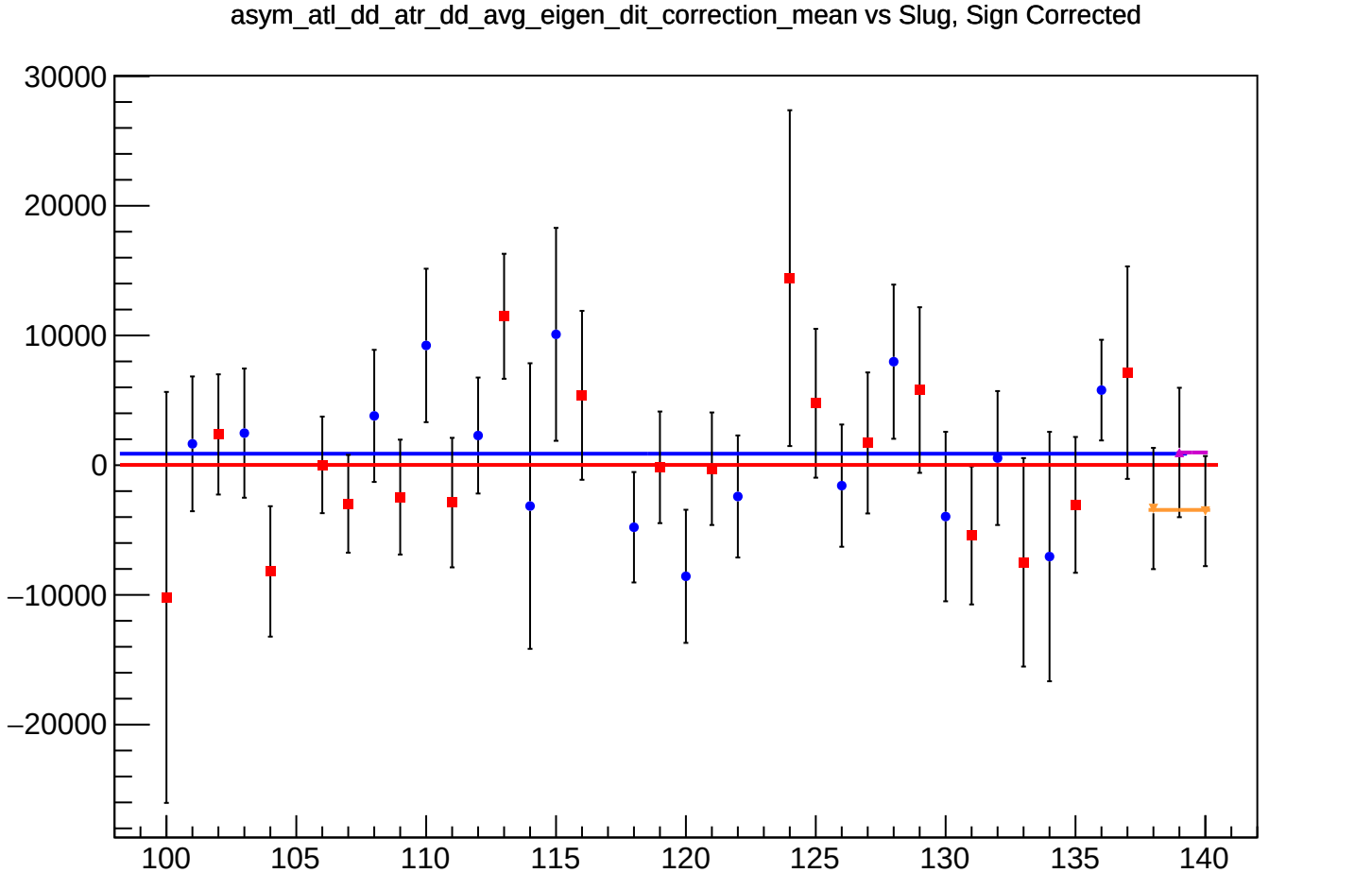
Left: 1351.319+/-0.608 χ^2/NDF: 2014.2/2

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1306.971+/-0.331 χ^2/NDF:511235.4/16

Out: 1308.768+/-0.312 χ^2/NDF:220529.8/20

All: 1307.920+/-0.227 χ^2/NDF: 731780.8/37



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3448.191+/-3141.919 χ^2/NDF:0.0/1

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 980.063+/-4988.009 χ^2/NDF:0.0/0

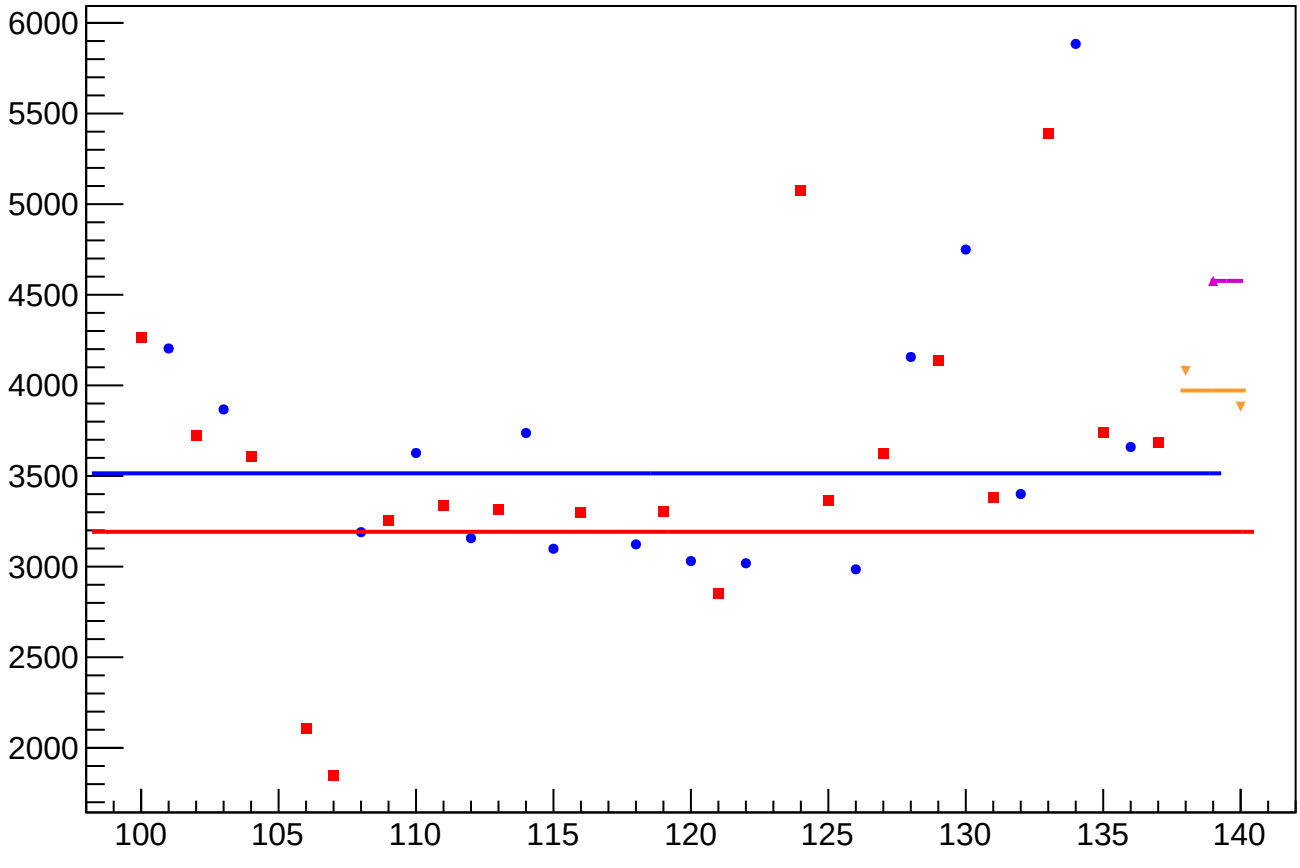
Left: -2190.297+/-2658.477 χ^2/NDF: 0.6/2

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 890.397+/-1282.751 χ^2/NDF:14.1/16

Out: -420.926+/-1121.029 χ^2/NDF:17.9/20

All: 146.910+/-844.110 χ^2/NDF: 32.6/37



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3971.806+/-2.222 χ^2/NDF:1950.9/1

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4576.562+/-3.527 χ^2/NDF:0.0/0

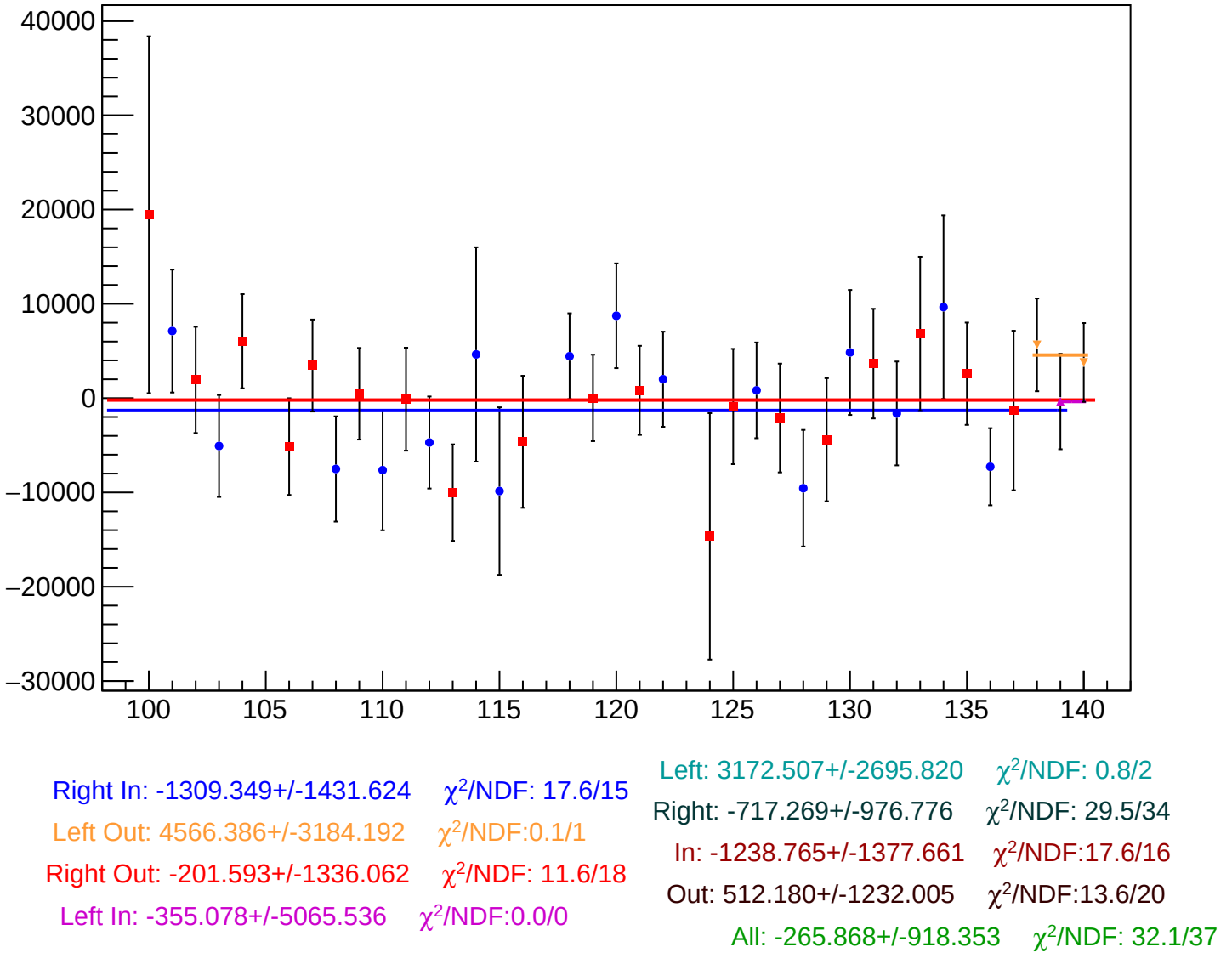
Left: 4143.593+/-1.880 χ^2/NDF: 22998.9/2

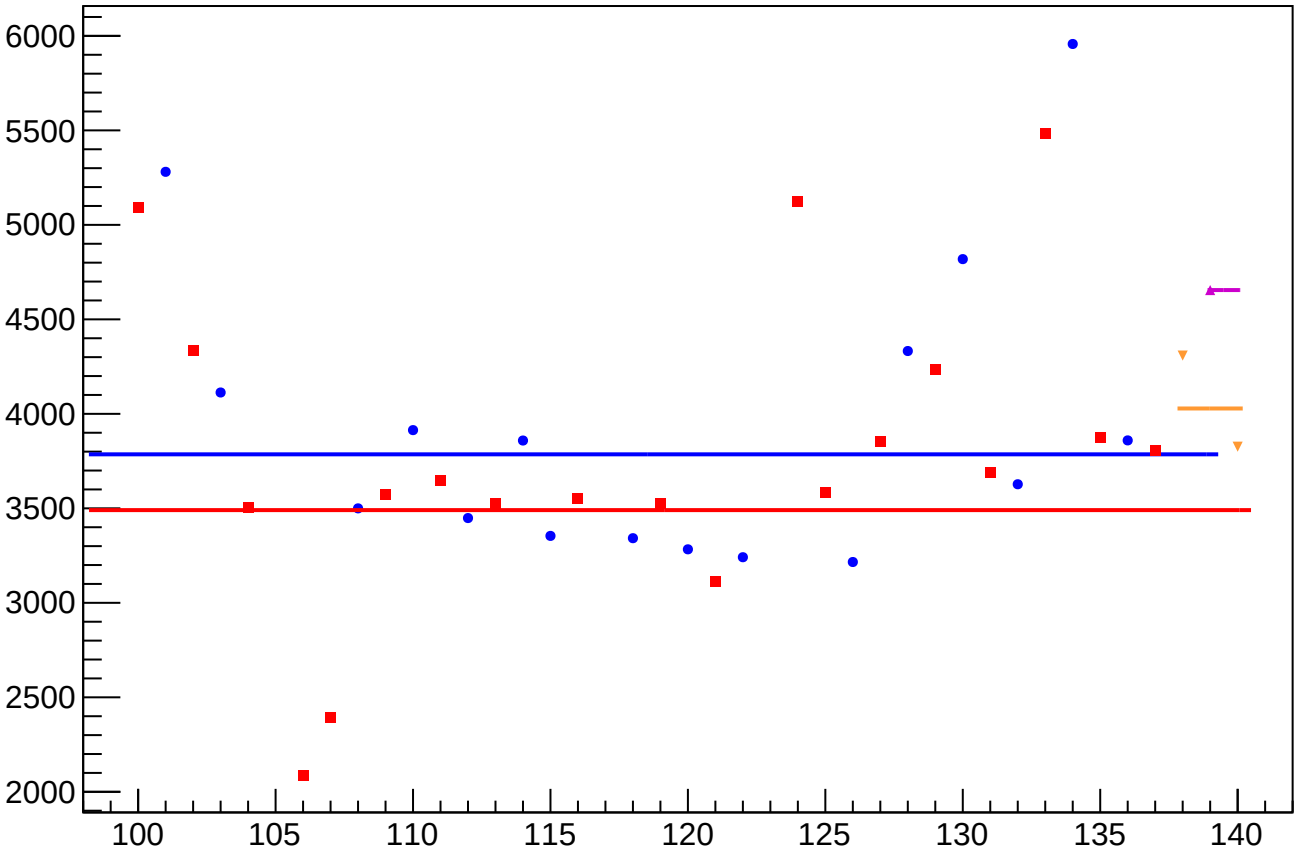
Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3584.960+/-0.907 χ^2/NDF:459721.0/16

Out: 3291.444+/-0.793 χ^2/NDF:881911.5/20

All: 3418.544+/-0.597 χ^2/NDF: 1401003.5/37


asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
Right In: -1309.349+/-1431.624 χ²/NDF: 17.6/15
Left Out: 4566.386+/-3184.192 χ²/NDF:0.1/1
Right Out: -201.593+/-1336.062 χ²/NDF: 11.6/18
Left In: -355.078+/-5065.536 χ²/NDF:0.0/0
Left: 3172.507+/-2695.820 χ²/NDF: 0.8/2
Right: -717.269+/-976.776 χ²/NDF: 29.5/34
In: -1238.765+/-1377.661 χ²/NDF:17.6/16
Out: 512.180+/-1232.005 χ²/NDF:13.6/20
All: -265.868+/-918.353 χ²/NDF: 32.1/37



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4028.365+/-2.252 χ^2/NDF:11164.6/1

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4655.020+/-3.582 χ^2/NDF:0.0/0

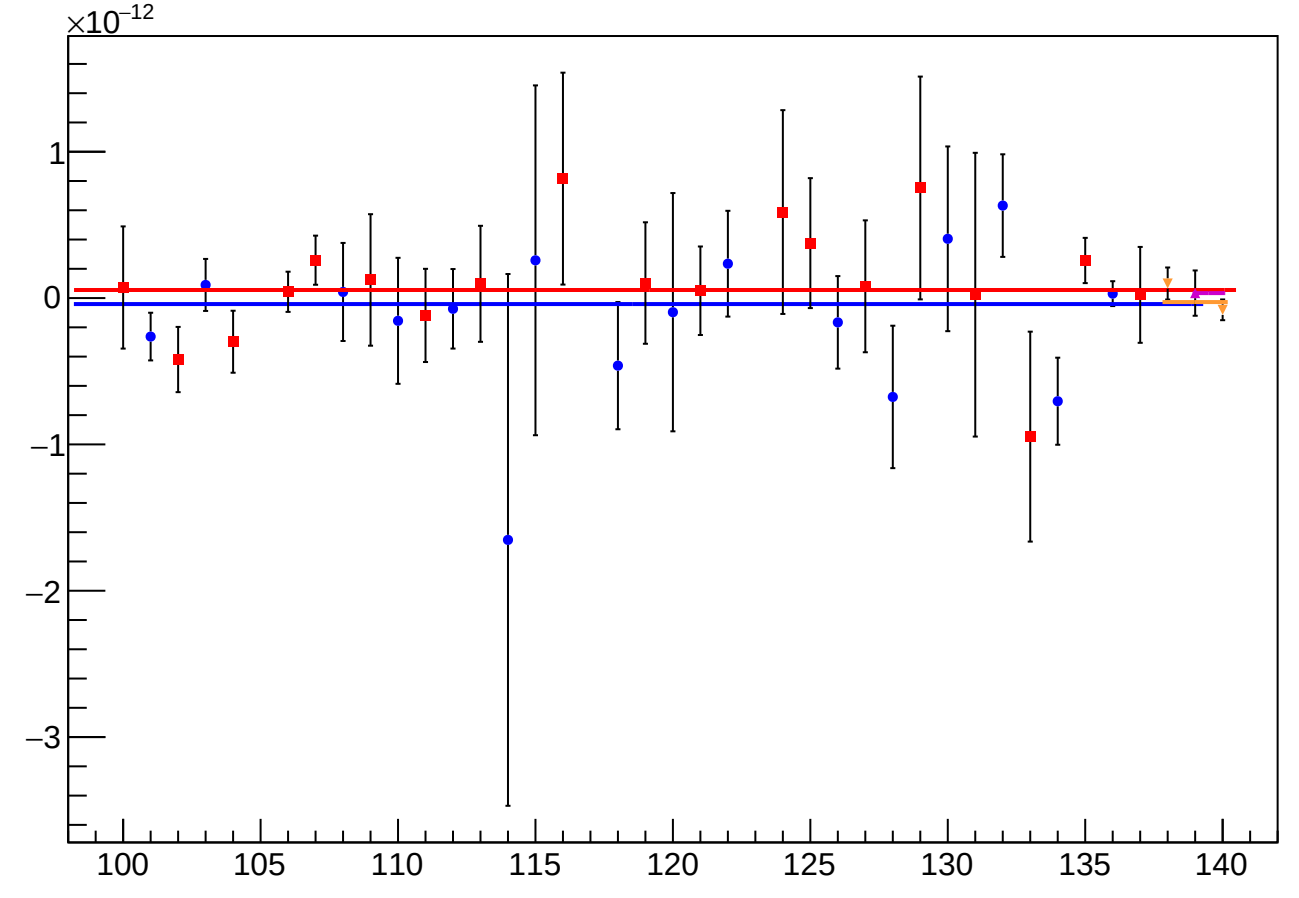
Left: 4205.849+/-1.906 χ^2/NDF: 33103.7/2

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3850.068+/-0.974 χ^2/NDF:437530.0/16

Out: 3569.255+/-0.861 χ^2/NDF:646579.8/20

All: 3692.418+/-0.645 χ^2/NDF: 1130761.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

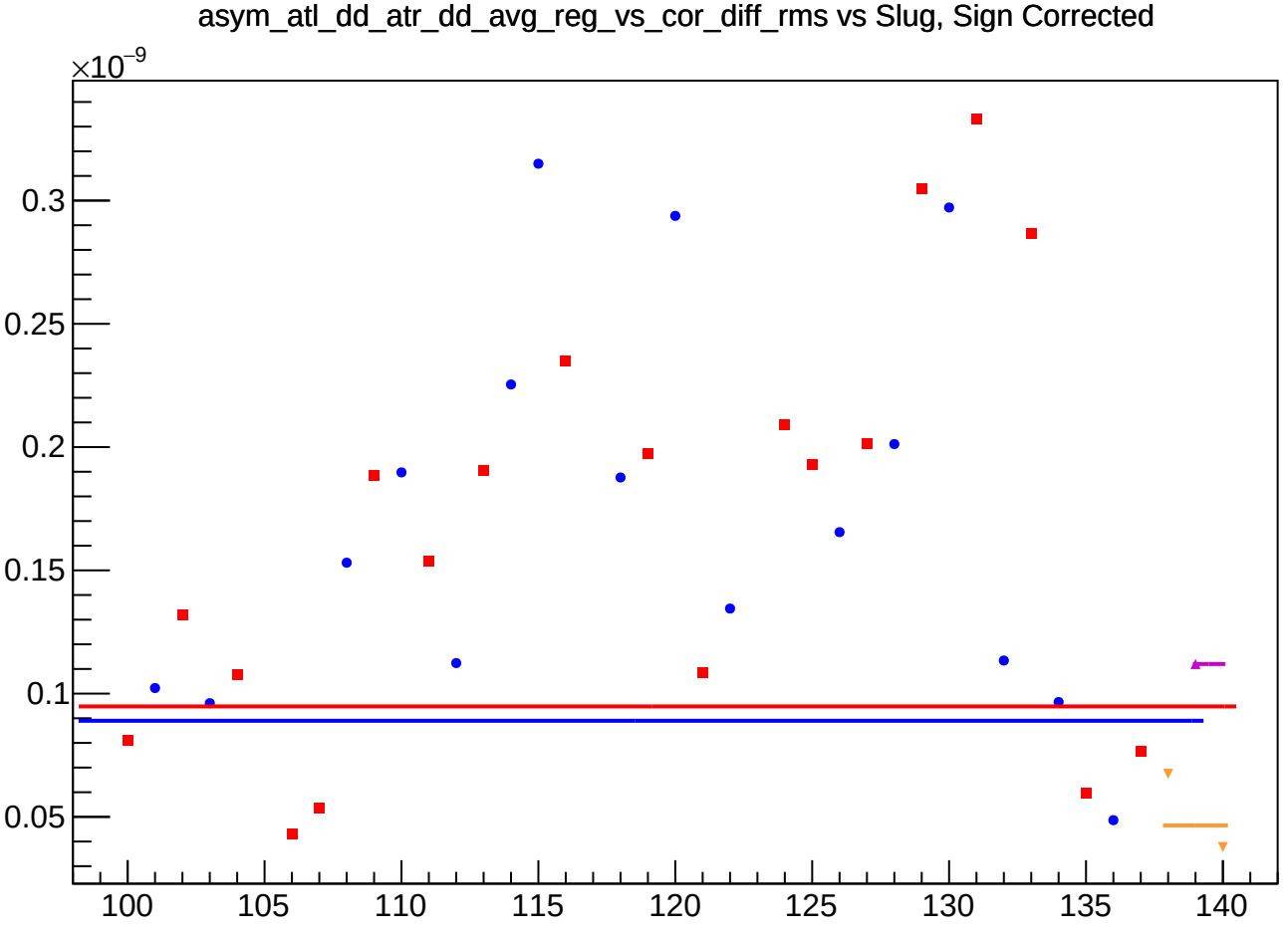
Left: -0.000+/-0.000 χ^2/NDF: 2.0/2

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:16.9/16

Out: 0.000+/-0.000 χ^2/NDF:18.7/20

All: -0.000+/-0.000 χ^2/NDF: 35.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:103730.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

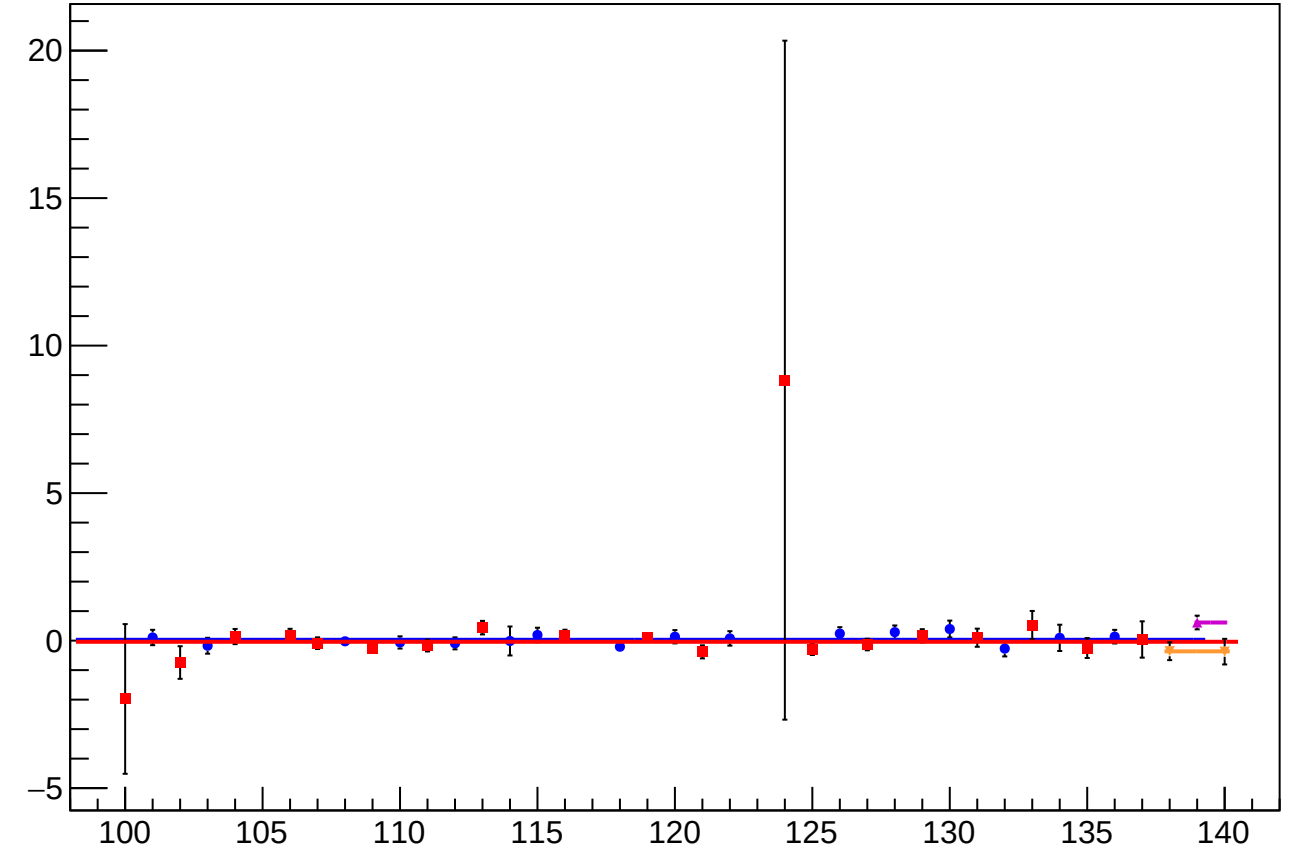
Left: 0.000+/-0.000 χ^2/NDF: 415808.7/2

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1499350.6/16

Out: 0.000+/-0.000 χ^2/NDF:2449683.3/20

All: 0.000+/-0.000 χ^2/NDF: 4163394.4/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.614+/-0.233 χ^2/NDF:0.0/0

Left: 0.157+/-0.170 χ^2/NDF: 8.3/2

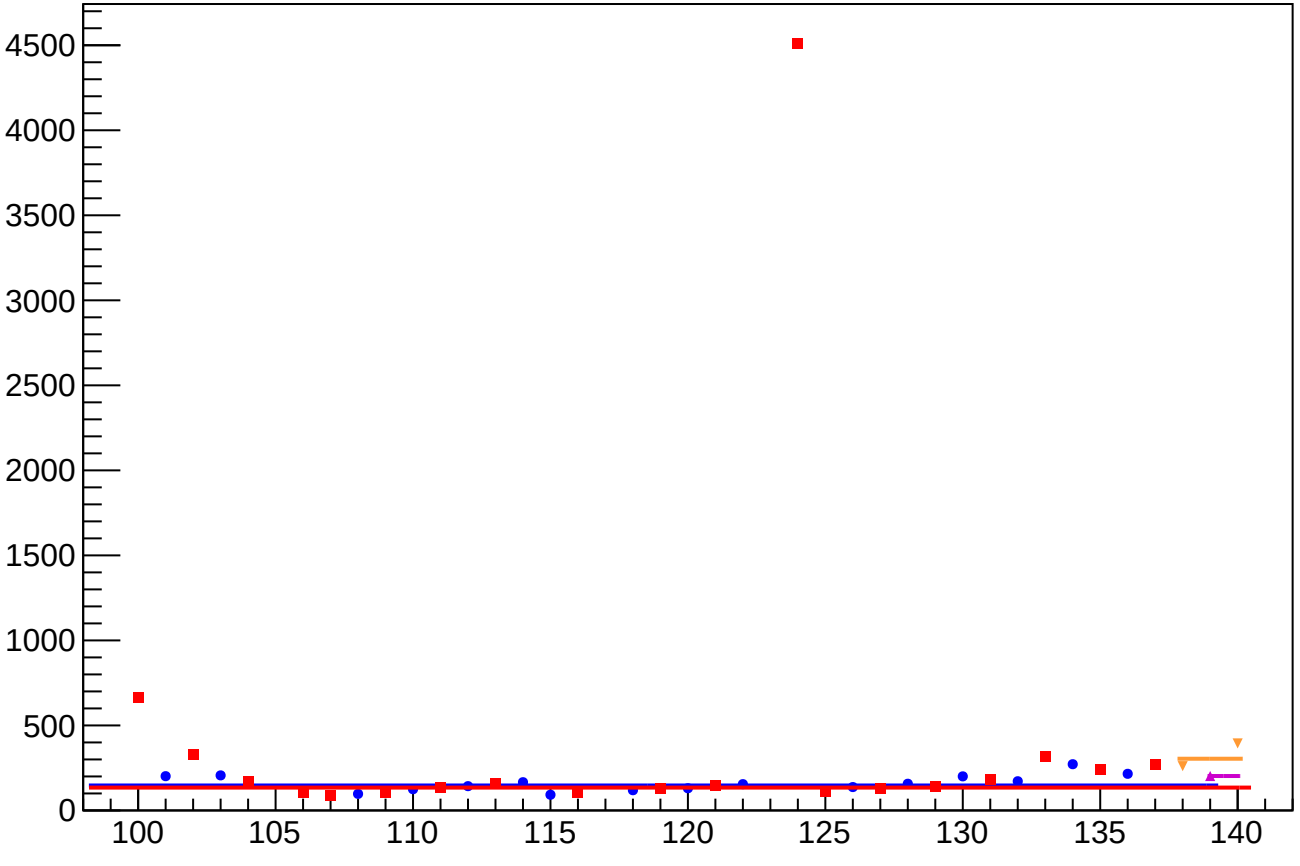
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.062+/-0.056 χ^2/NDF:15.4/16

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: 0.001+/-0.039 χ^2/NDF: 39.3/37

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF:127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 202.517+/-0.165 χ^2/NDF:0.0/0

Left: 250.087+/-0.120 χ^2/NDF: 306505.2/2

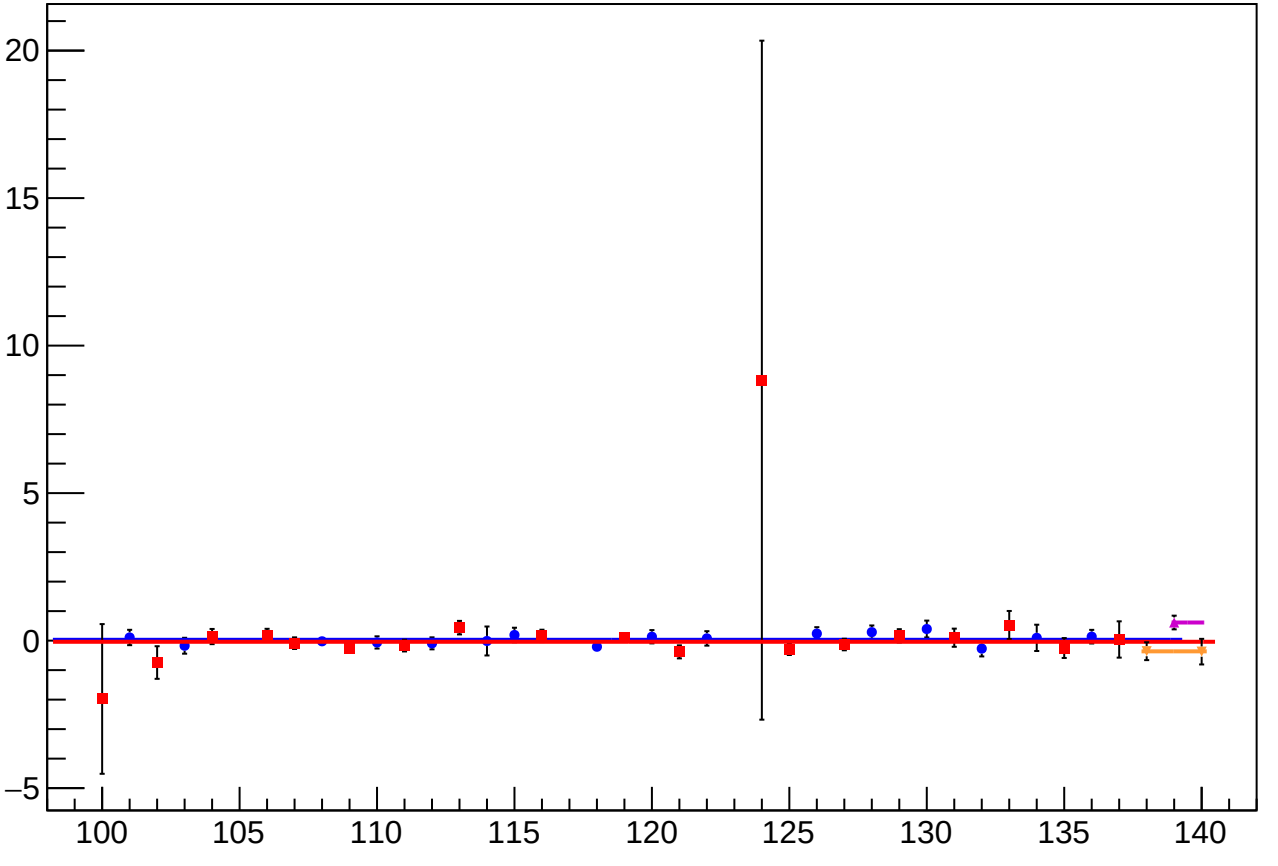
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 150.056+/-0.040 χ^2/NDF:1106624.5/16

Out: 142.389+/-0.038 χ^2/NDF:2625913.6/20

All: 146.046+/-0.027 χ^2/NDF: 3752138.4/37

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.614+/-0.233 χ^2/NDF:0.0/0

Left: 0.157+/-0.170 χ^2/NDF: 8.3/2

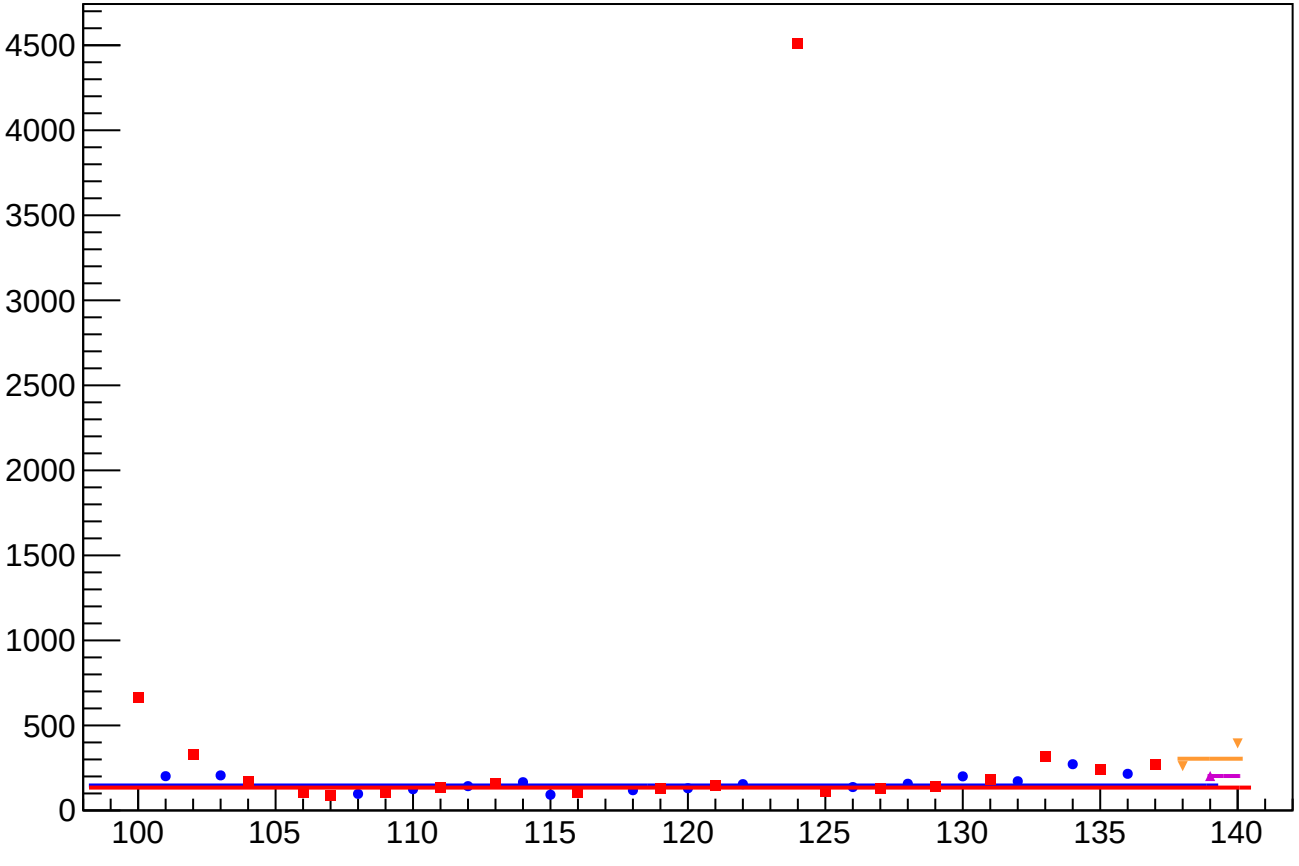
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.062+/-0.056 χ^2/NDF:15.4/16

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: 0.001+/-0.039 χ^2/NDF: 39.3/37

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF:127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 202.517+/-0.165 χ^2/NDF:0.0/0

Left: 250.087+/-0.120 χ^2/NDF: 306505.2/2

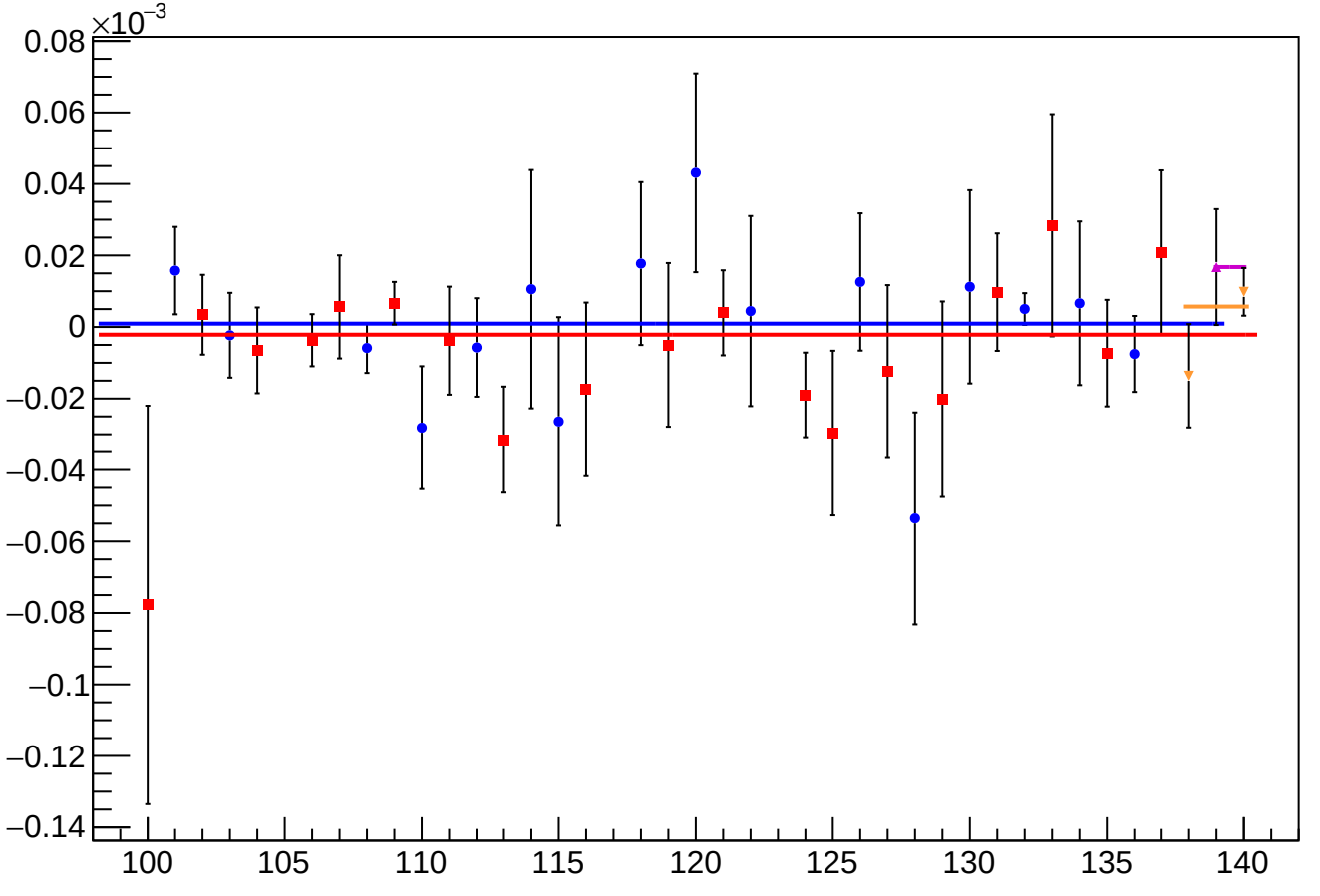
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 150.056+/-0.040 χ^2/NDF:1106624.5/16

Out: 142.389+/-0.038 χ^2/NDF:2625913.6/20

All: 146.046+/-0.027 χ^2/NDF: 3752138.4/37

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

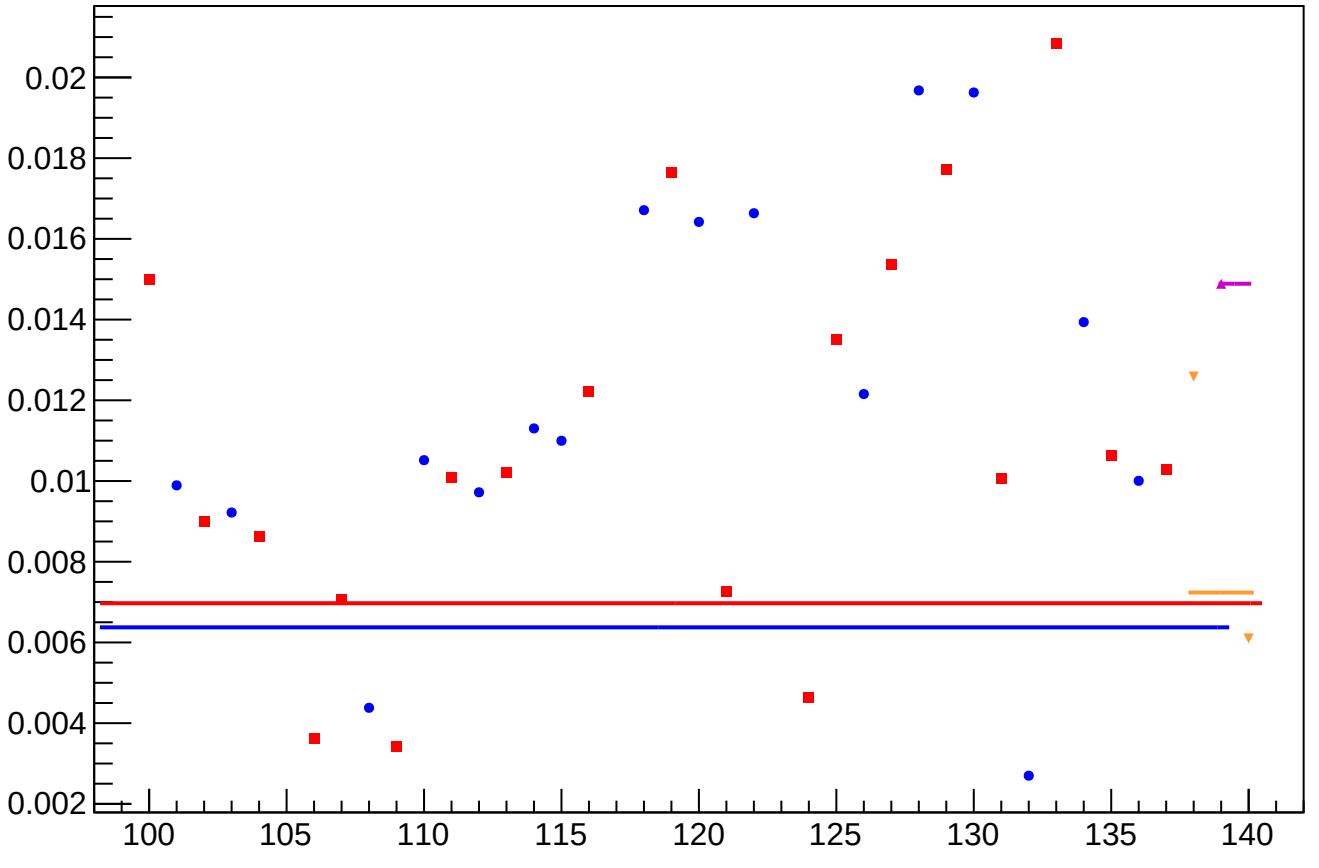
Left: 0.000+/-0.000 χ^2/NDF: 2.6/2

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:15.8/16

Out: -0.000+/-0.000 χ^2/NDF:19.6/20

All: 0.000+/-0.000 χ^2/NDF: 35.6/37



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:332465.0/1

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.015+/-0.000 χ^2/NDF:0.0/0

Left: 0.008+/-0.000 χ^2/NDF: 724131.8/2

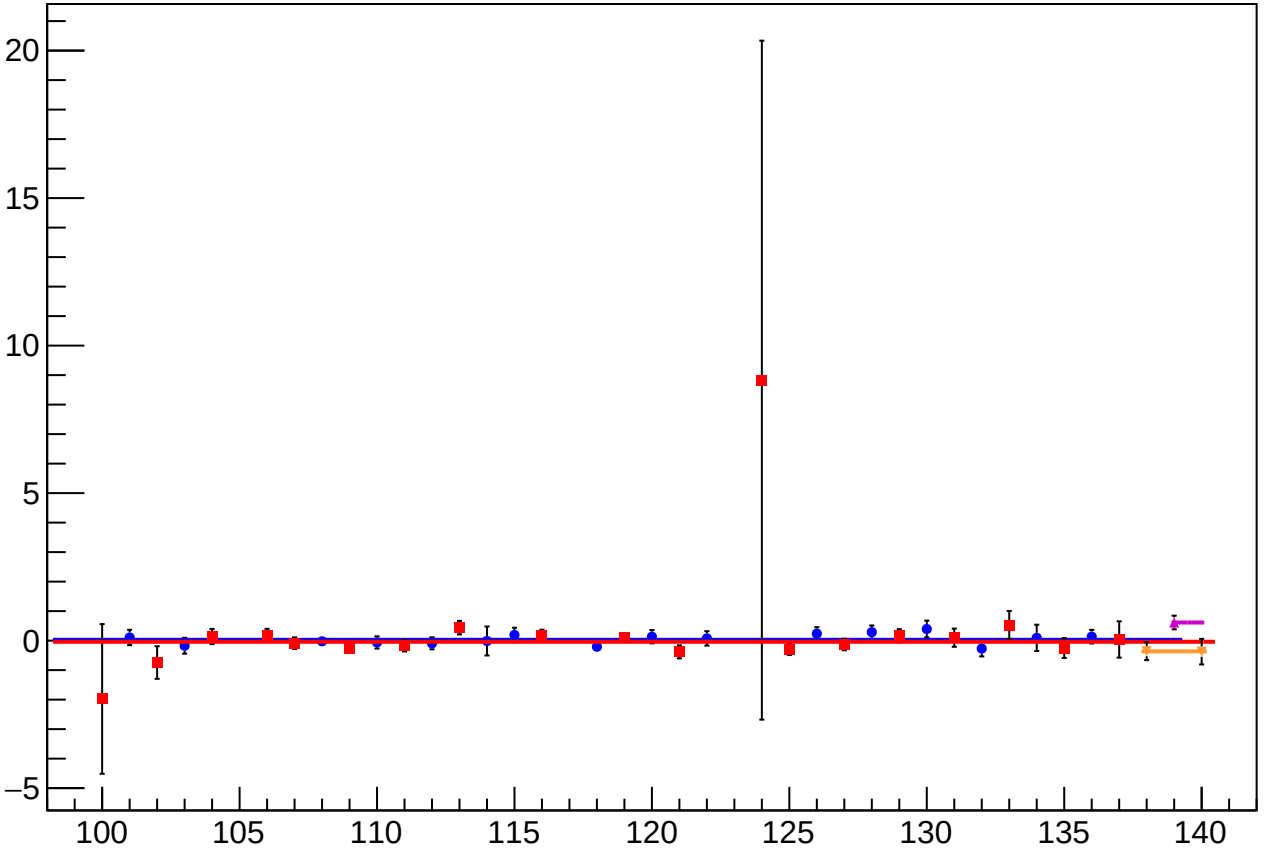
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5174953.4/16

Out: 0.007+/-0.000 χ^2/NDF:3745475.8/20

All: 0.007+/-0.000 χ^2/NDF: 8939055.3/37

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.614+/-0.233 χ^2/NDF:0.0/0

Left: 0.157+/-0.170 χ^2/NDF: 8.3/2

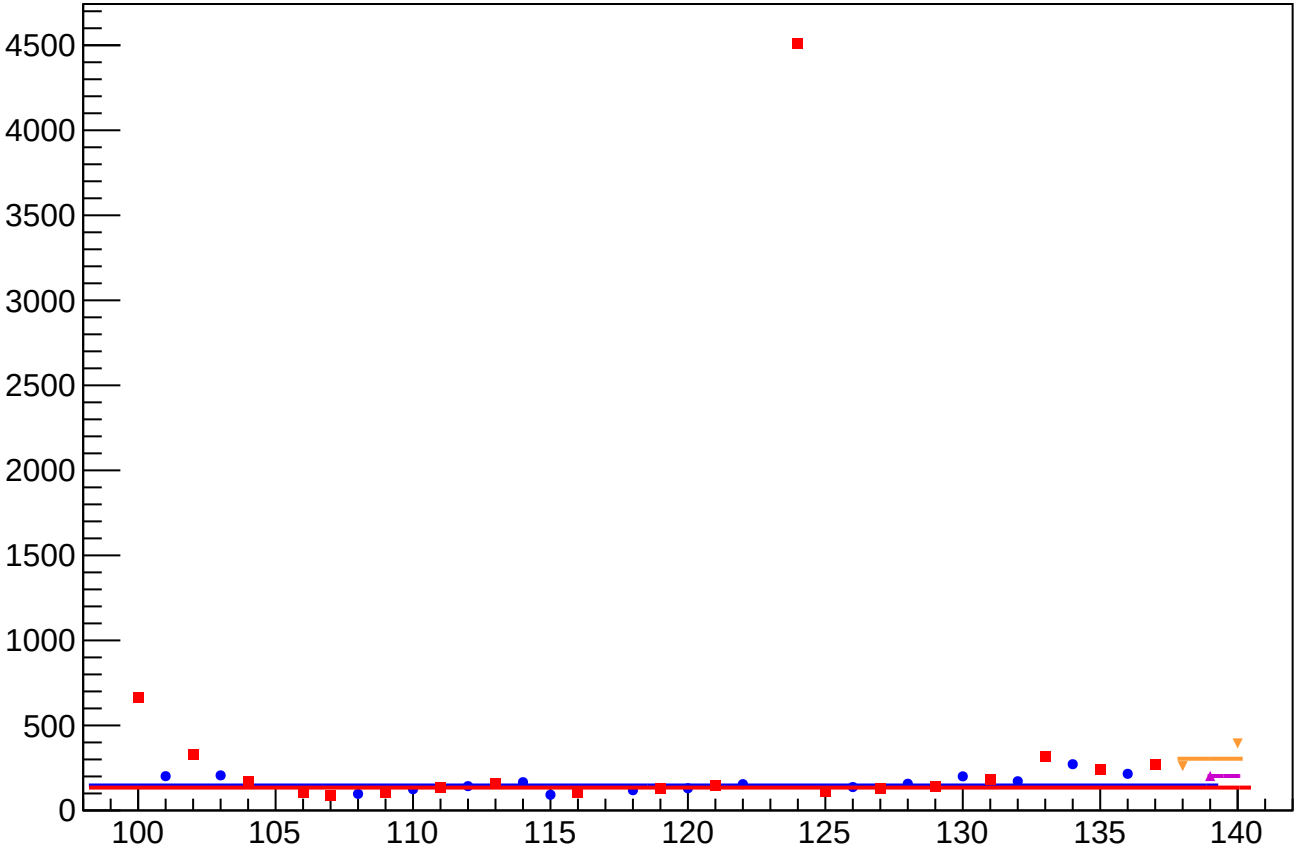
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.062+/-0.056 χ^2/NDF:15.4/16

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: 0.001+/-0.039 χ^2/NDF: 39.3/37

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF:127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 202.521+/-0.165 χ^2/NDF:0.0/0

Left: 250.092+/-0.120 χ^2/NDF: 306492.2/2

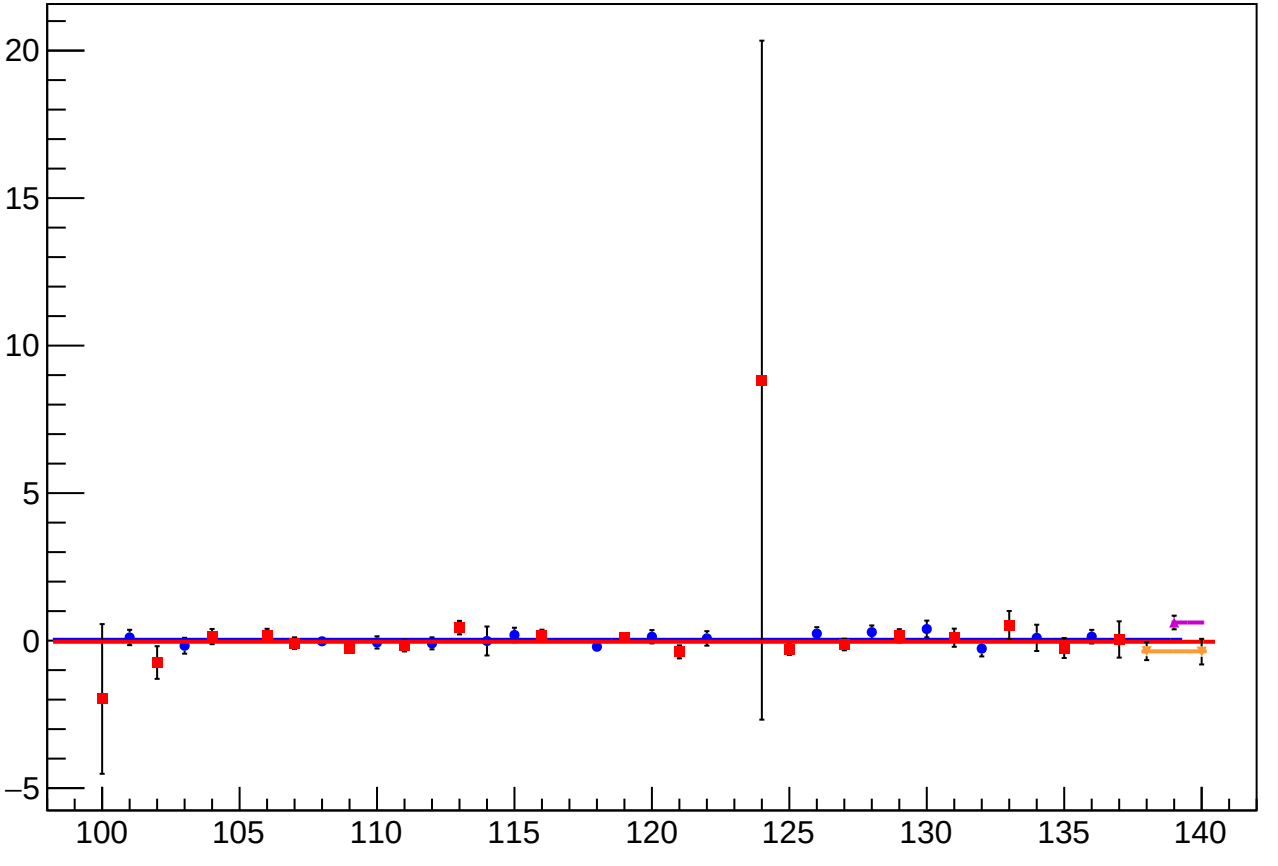
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 150.056+/-0.040 χ^2/NDF:1106578.8/16

Out: 142.390+/-0.038 χ^2/NDF:2625841.6/20

All: 146.047+/-0.027 χ^2/NDF: 3752014.1/37

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.614+/-0.233 χ^2/NDF:0.0/0

Left: 0.157+/-0.170 χ^2/NDF: 8.3/2

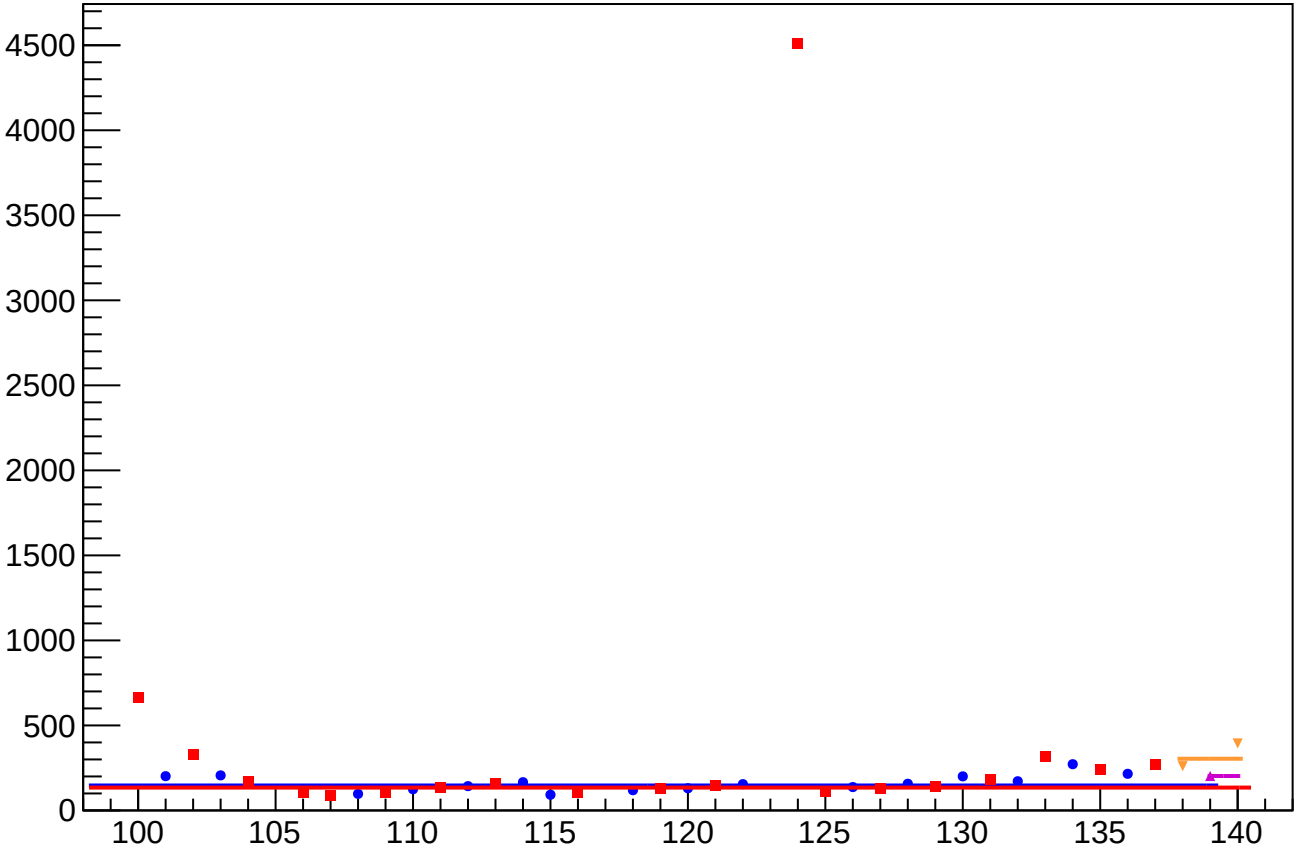
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.062+/-0.056 χ^2/NDF:15.4/16

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: 0.001+/-0.039 χ^2/NDF: 39.3/37

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF:127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 202.521+/-0.165 χ^2/NDF:0.0/0

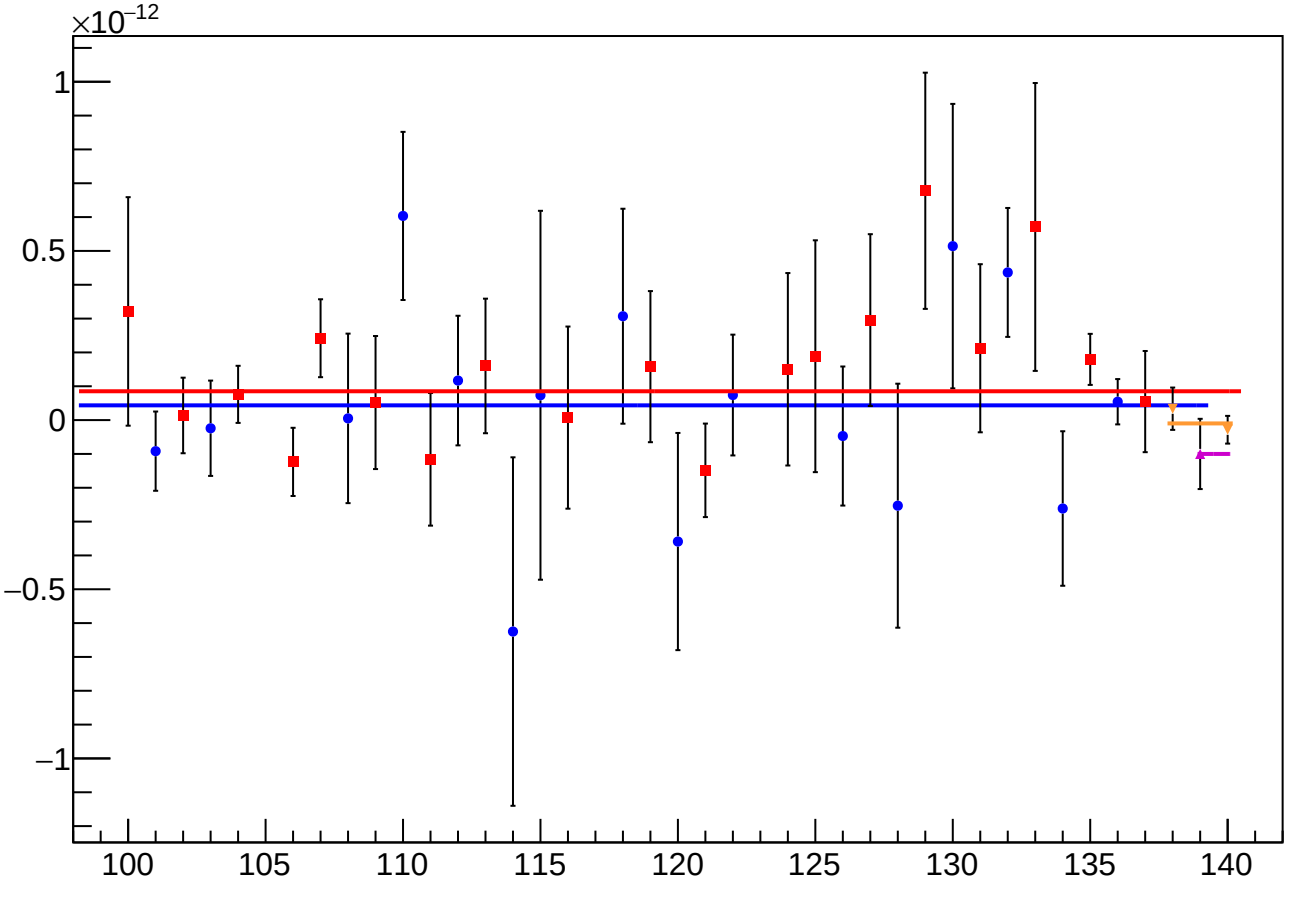
Left: 250.092+/-0.120 χ^2/NDF: 306492.2/2

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 150.056+/-0.040 χ^2/NDF:1106578.8/16

Out: 142.390+/-0.038 χ^2/NDF:2625841.6/20

All: 146.047+/-0.027 χ^2/NDF: 3752014.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

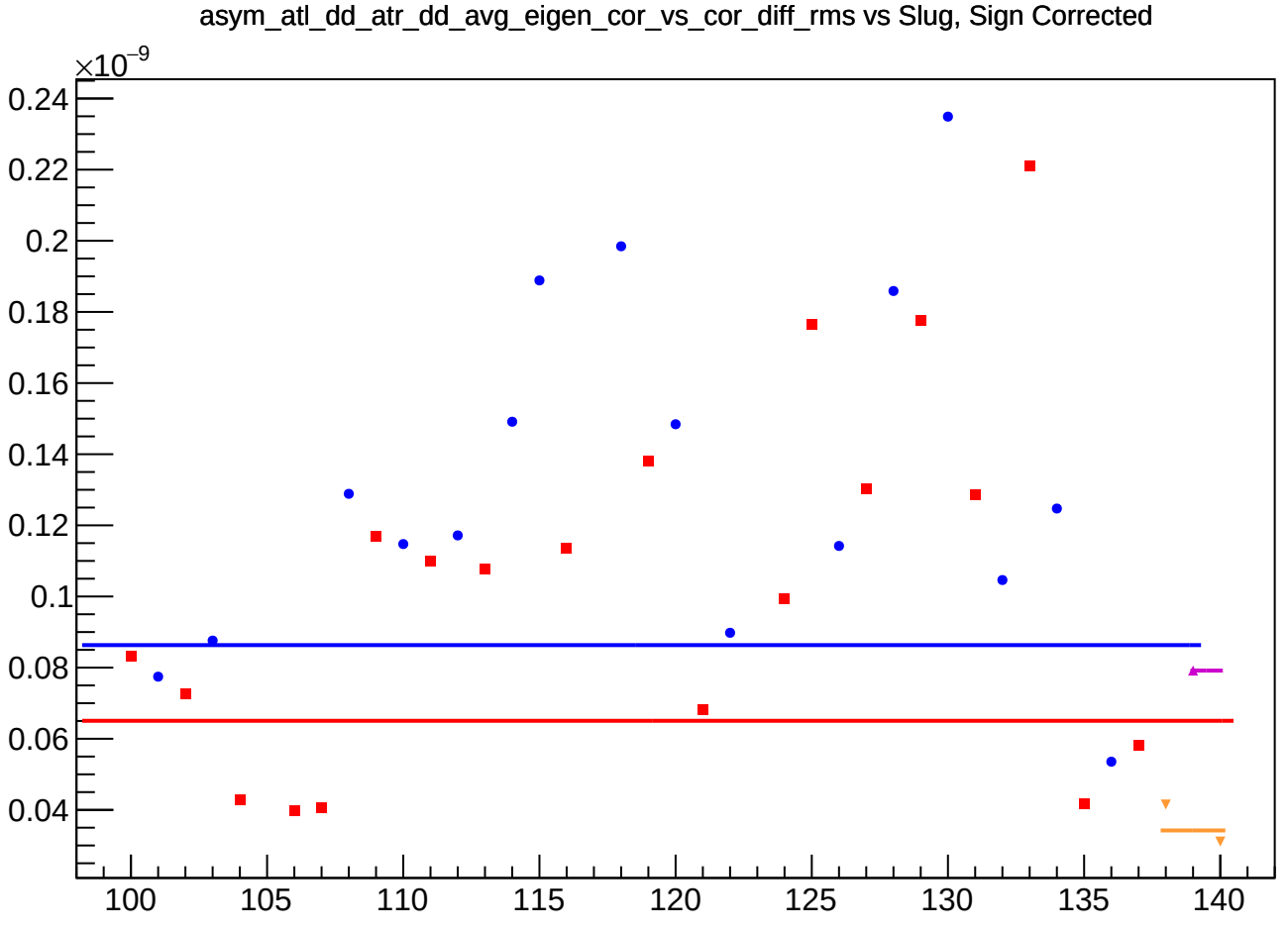
Left: -0.000+/-0.000 χ^2/NDF: 1.4/2

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:20.6/16

Out: 0.000+/-0.000 χ^2/NDF:22.7/20

All: 0.000+/-0.000 χ^2/NDF: 43.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:38834.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

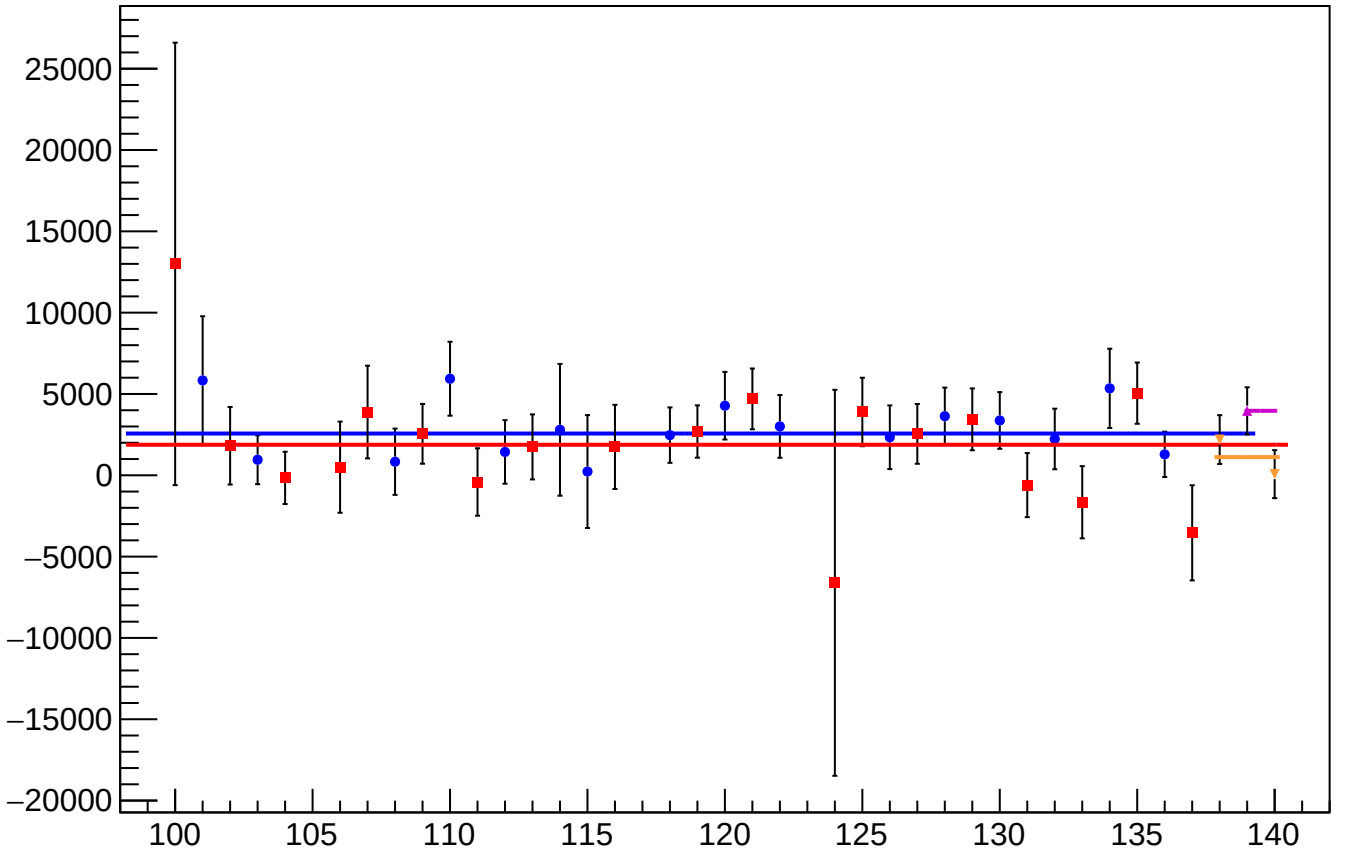
Left: 0.000+/-0.000 χ^2/NDF: 376898.8/2

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:1573799.2/16

Out: 0.000+/-0.000 χ^2/NDF:3007864.6/20

All: 0.000+/-0.000 χ^2/NDF: 5763980.8/37



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1117.388+/-1052.039 χ^2/NDF:1.0/1

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 3964.607+/-1446.471 χ^2/NDF:0.0/0

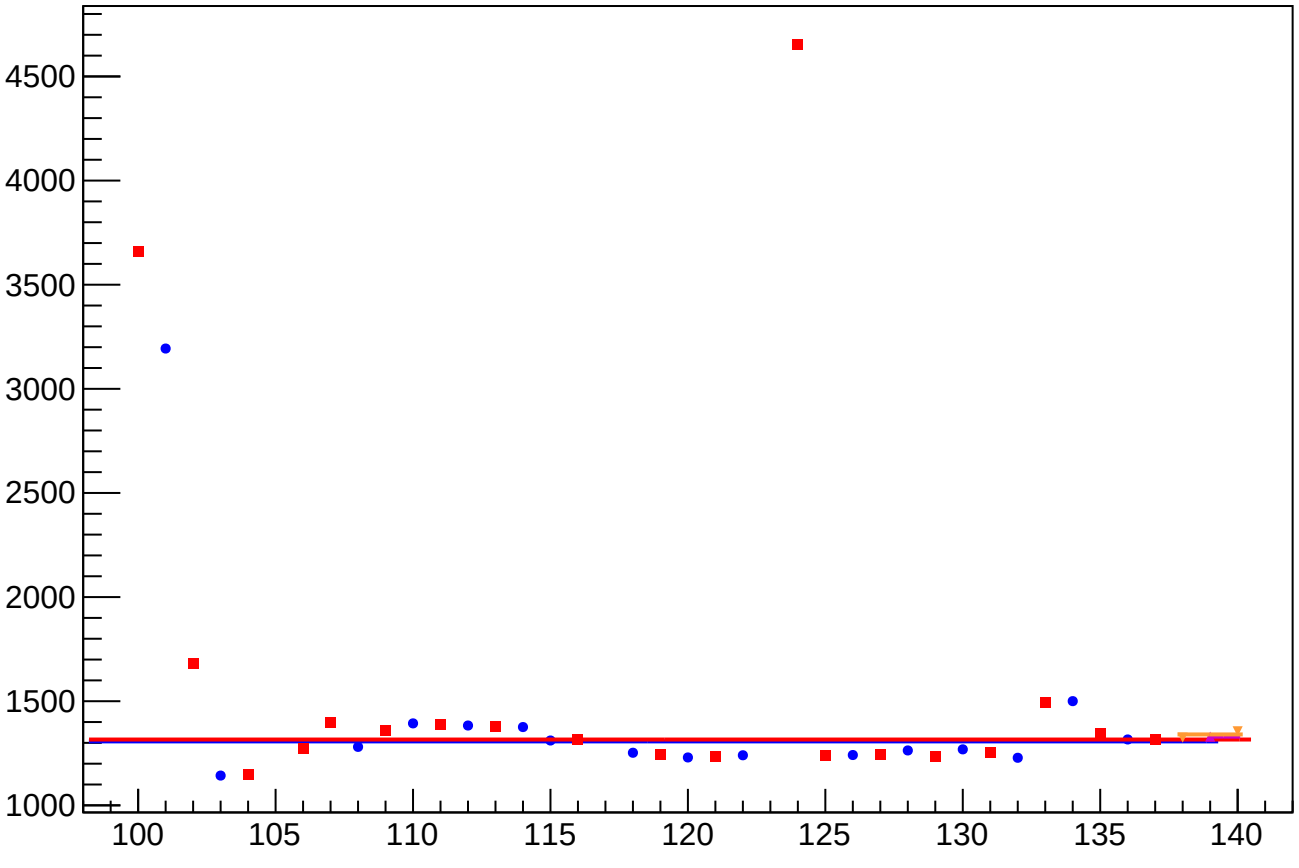
Left: 2102.445+/-850.805 χ^2/NDF: 3.6/2

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2714.119+/-468.644 χ^2/NDF:9.9/16

Out: 1740.286+/-447.690 χ^2/NDF:21.0/20

All: 2204.945+/-323.719 χ^2/NDF: 33.1/37



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1340.454+/-0.744 χ^2/NDF:419.7/1

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1329.972+/-1.023 χ^2/NDF:0.0/0

Left: 1336.827+/-0.602 χ^2/NDF: 488.4/2

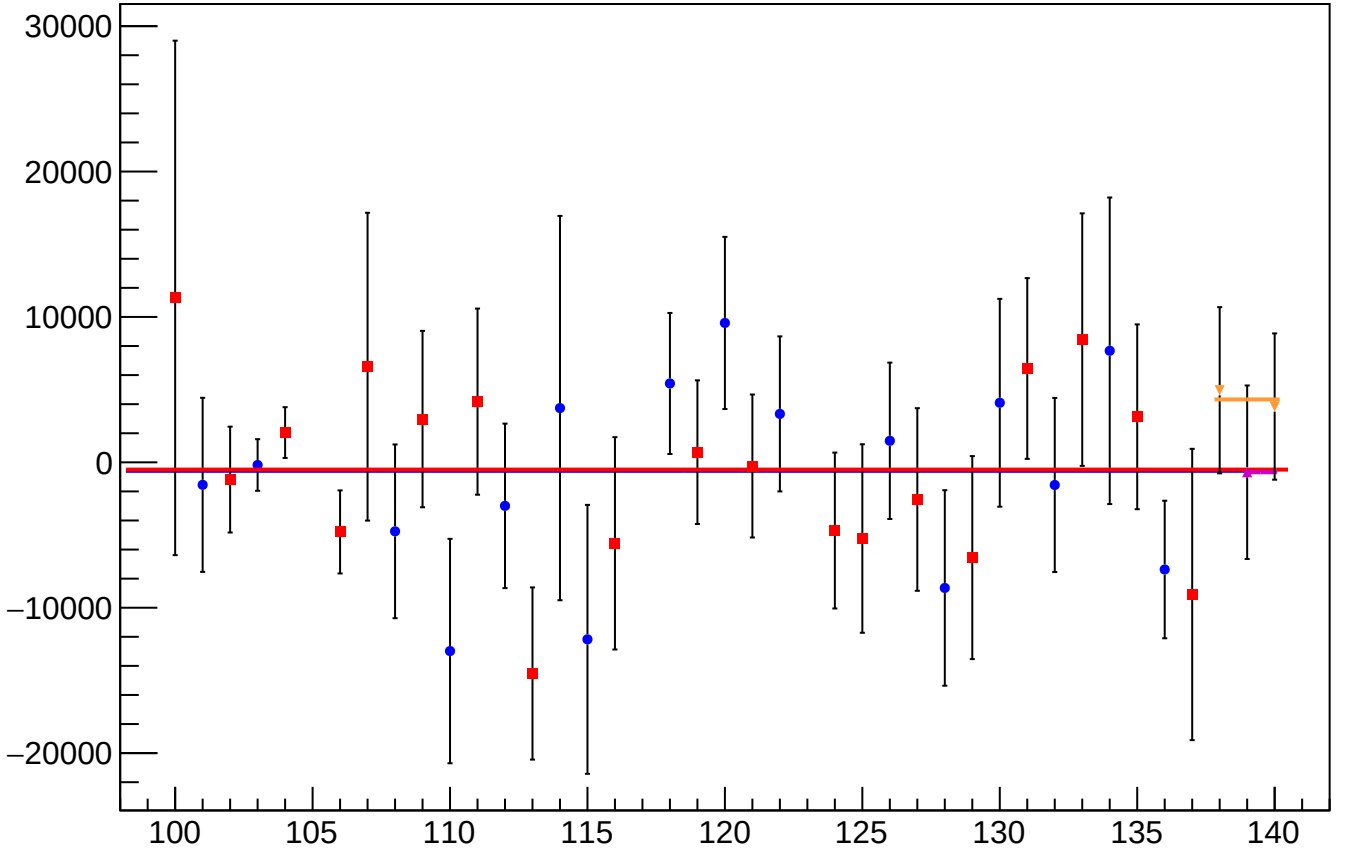
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1309.472+/-0.331 χ^2/NDF:516697.8/16

Out: 1320.408+/-0.316 χ^2/NDF:327725.5/20

All: 1315.202+/-0.229 χ^2/NDF: 844994.0/37

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 4326.344+/-3776.214 χ^2/NDF:0.0/1

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -680.689+/-5966.172 χ^2/NDF:0.0/0

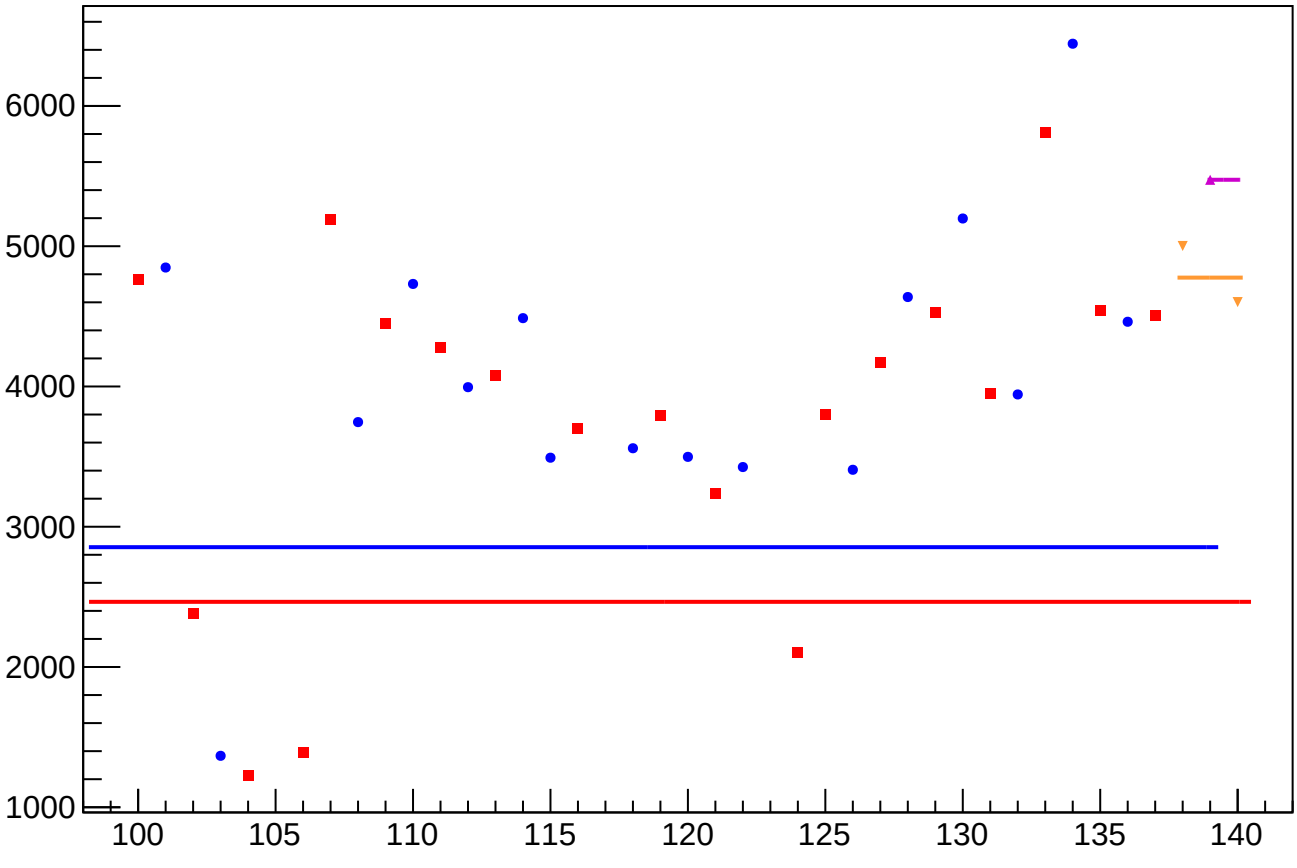
Left: 2894.206+/-3190.788 χ^2/NDF: 0.5/2

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -585.592+/-1169.711 χ^2/NDF:14.7/16

Out: -150.387+/-1016.478 χ^2/NDF:19.2/20

All: -337.634+/-767.255 χ^2/NDF: 34.1/37



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4776.172+/-2.670 χ^2/NDF:5520.1/1

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 5473.742+/-4.219 χ^2/NDF:0.0/0

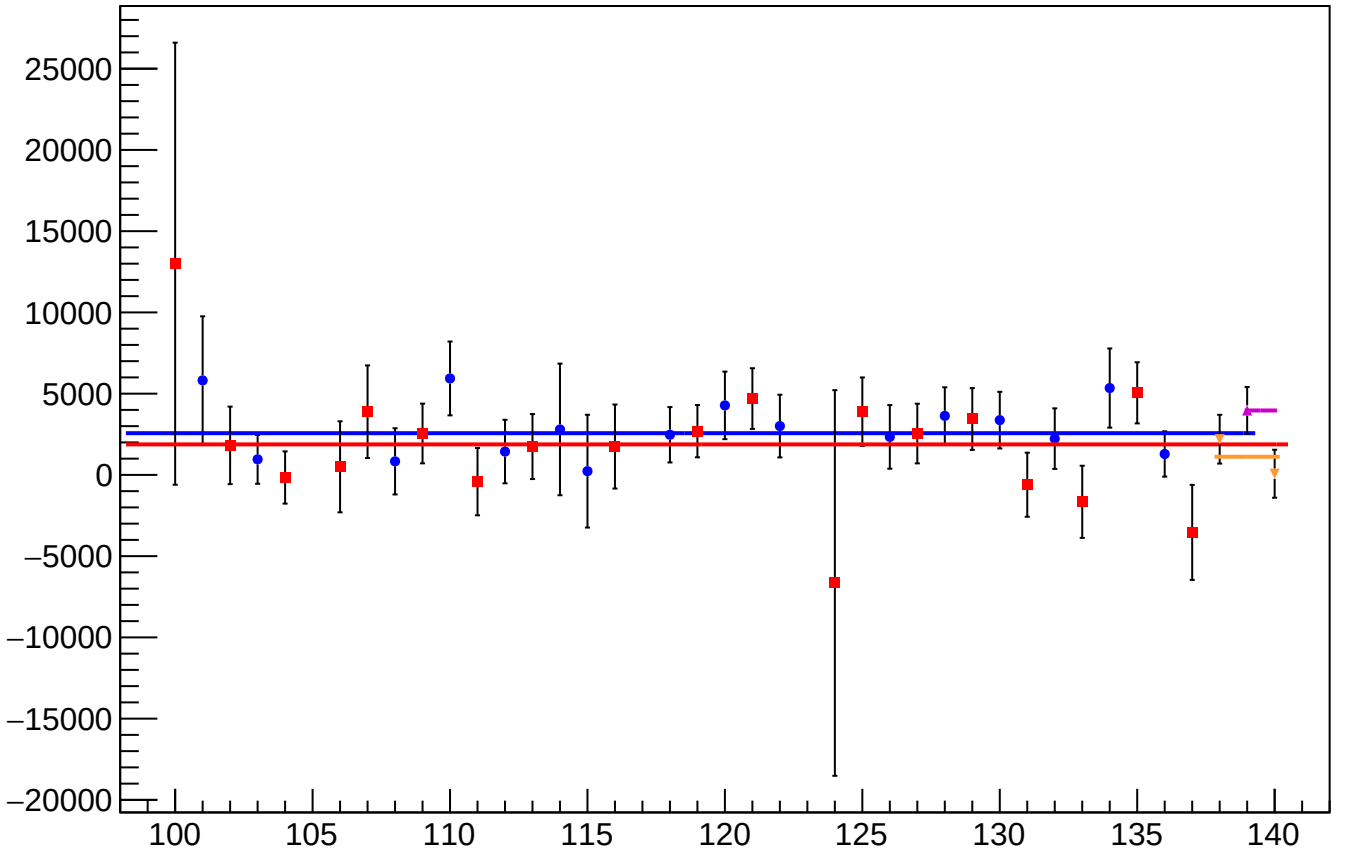
Left: 4975.695+/-2.256 χ^2/NDF: 25040.8/2

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 2954.987+/-0.827 χ^2/NDF:3275531.2/16

Out: 2632.084+/-0.719 χ^2/NDF:4056600.9/20

All: 2771.013+/-0.543 χ^2/NDF: 7418968.1/37



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1117.482+/-1052.039 χ^2/NDF:1.0/1

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 3964.849+/-1446.471 χ^2/NDF:0.0/0

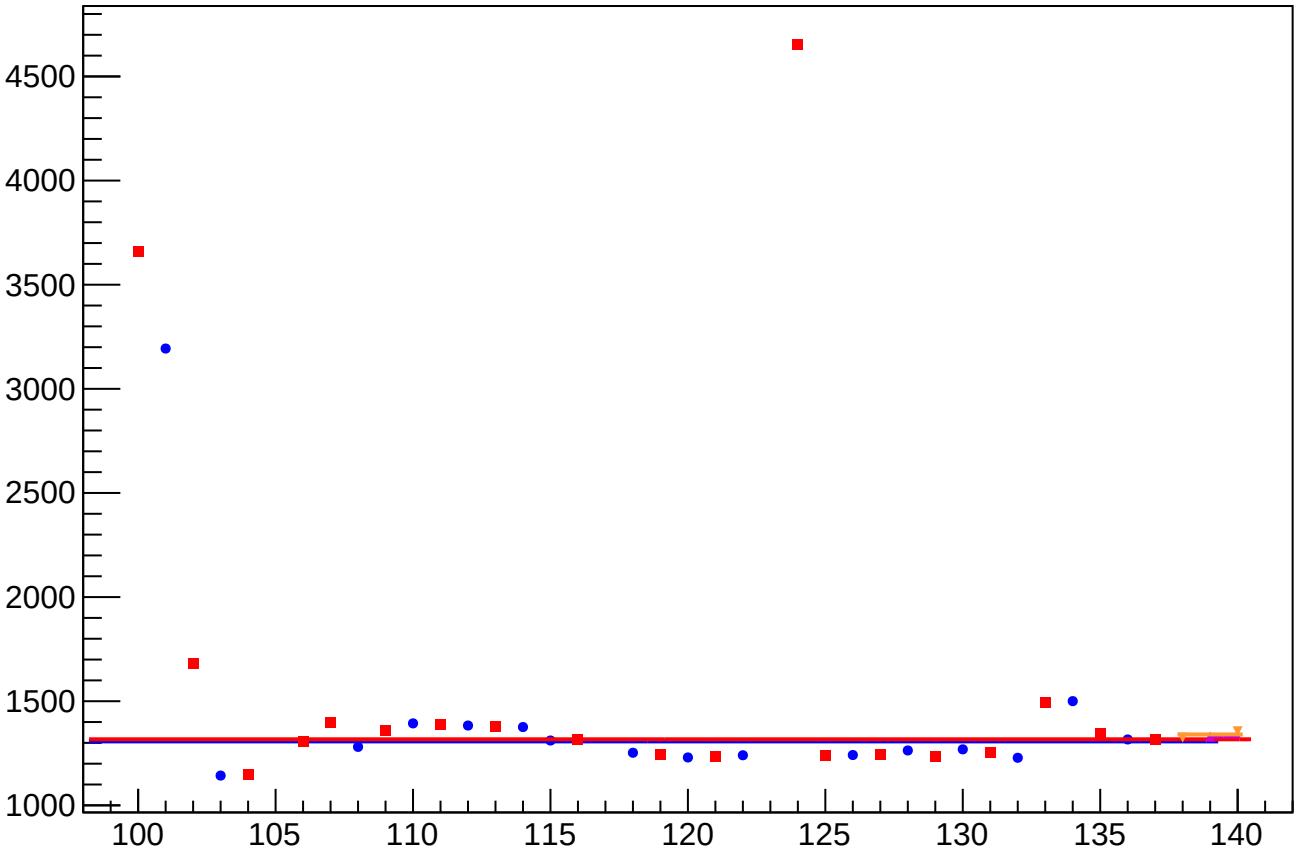
Left: 2102.591+/-850.805 χ^2/NDF: 3.6/2

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2713.894+/-468.644 χ^2/NDF:9.9/16

Out: 1740.094+/-447.690 χ^2/NDF:21.0/20

All: 2204.737+/-323.719 χ^2/NDF: 33.1/37



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1340.454+/-0.744 χ^2/NDF:419.7/1

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1329.972+/-1.023 χ^2/NDF:0.0/0

Left: 1336.827+/-0.602 χ^2/NDF: 488.4/2

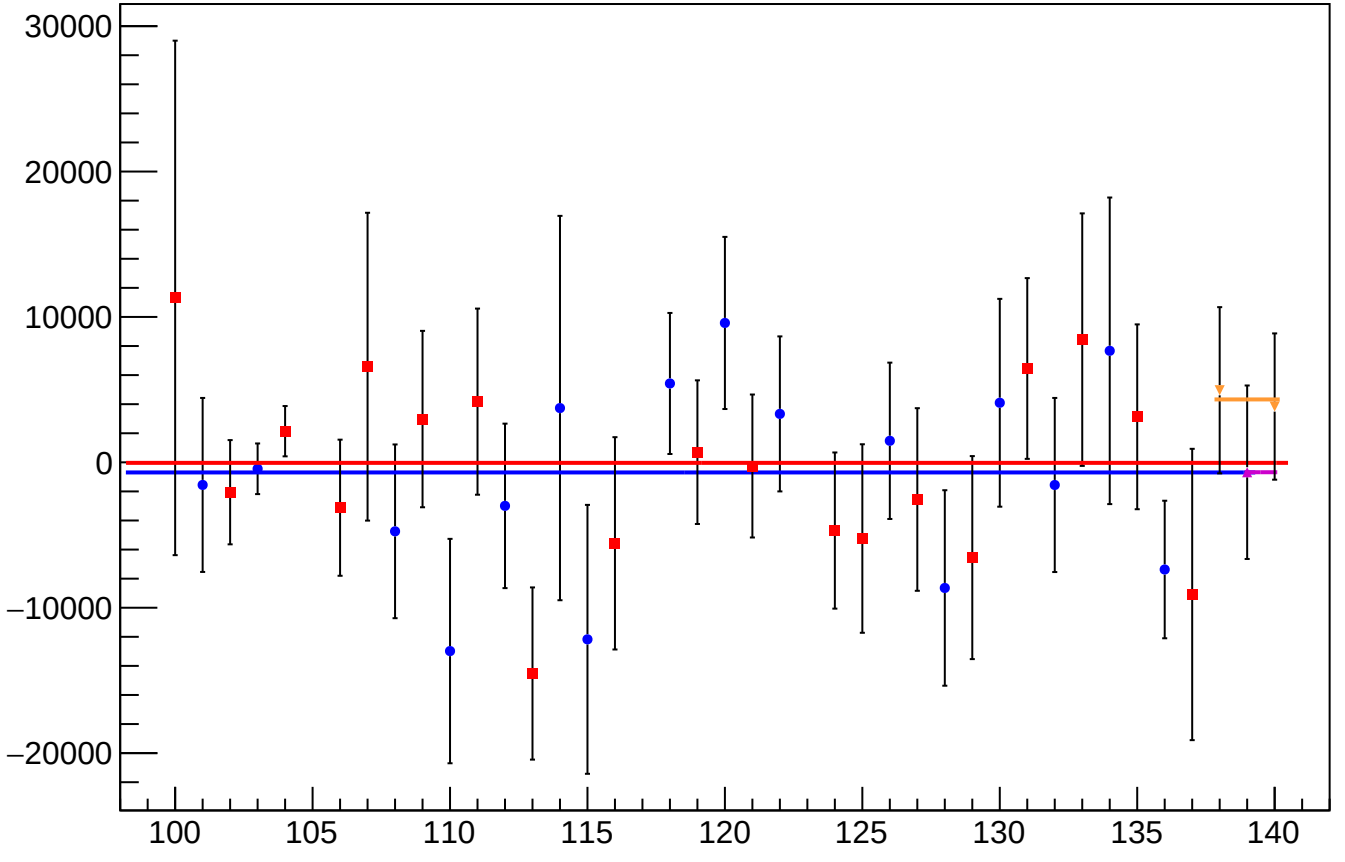
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1309.472+/-0.331 χ^2/NDF:516699.4/16

Out: 1321.339+/-0.316 χ^2/NDF:327152.1/20

All: 1315.686+/-0.229 χ^2/NDF: 844523.0/37

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 4326.444+/-3776.208 χ^2/NDF:0.0/1

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -680.657+/-5966.182 χ^2/NDF:0.0/0

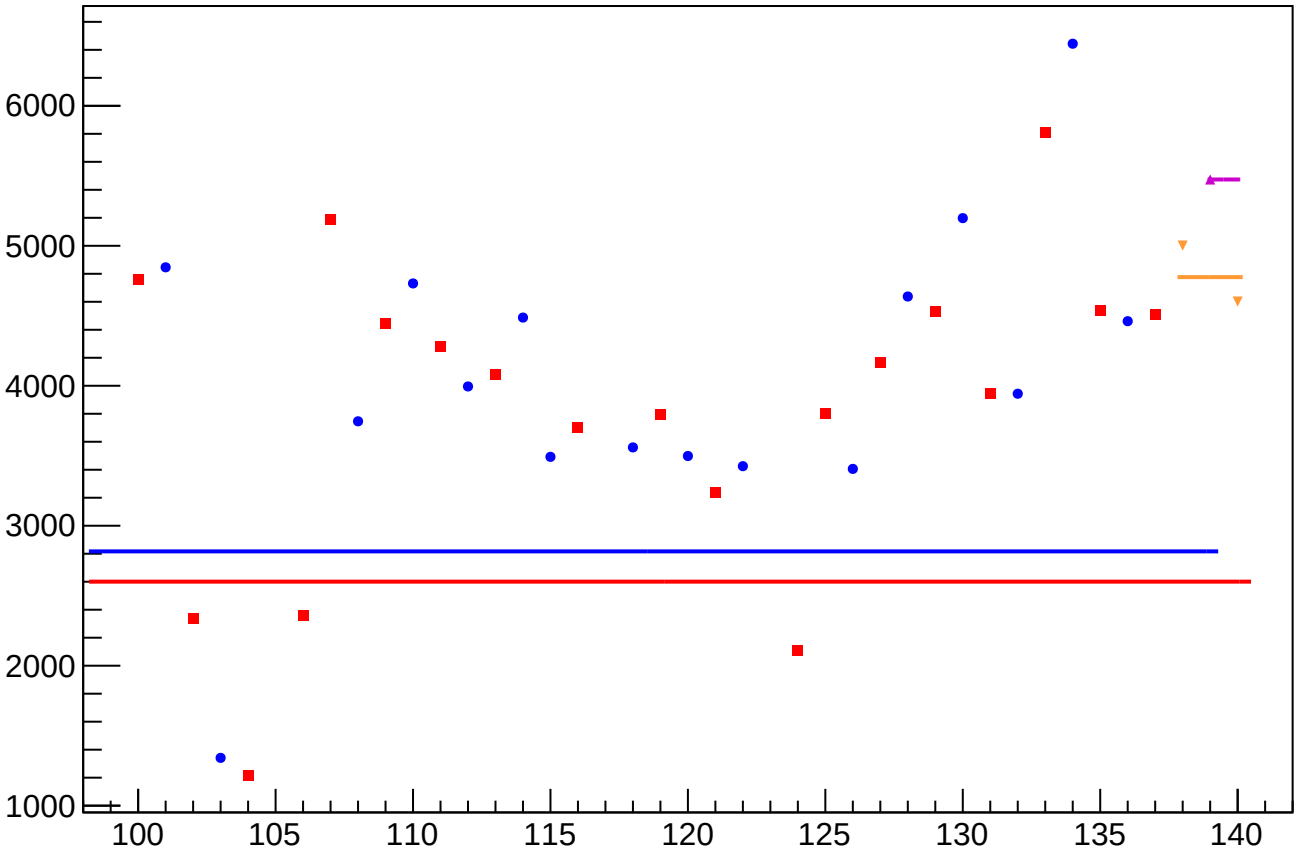
Left: 2894.293+/-3190.786 χ^2/NDF: 0.5/2

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -694.698+/-1159.873 χ^2/NDF:14.7/16

Out: 304.088+/-1054.517 χ^2/NDF:17.2/20

All: -147.893+/-780.250 χ^2/NDF: 32.3/37



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4776.163+/-2.670 χ^2/NDF:5520.4/1

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 5473.750+/-4.219 χ^2/NDF:0.0/0

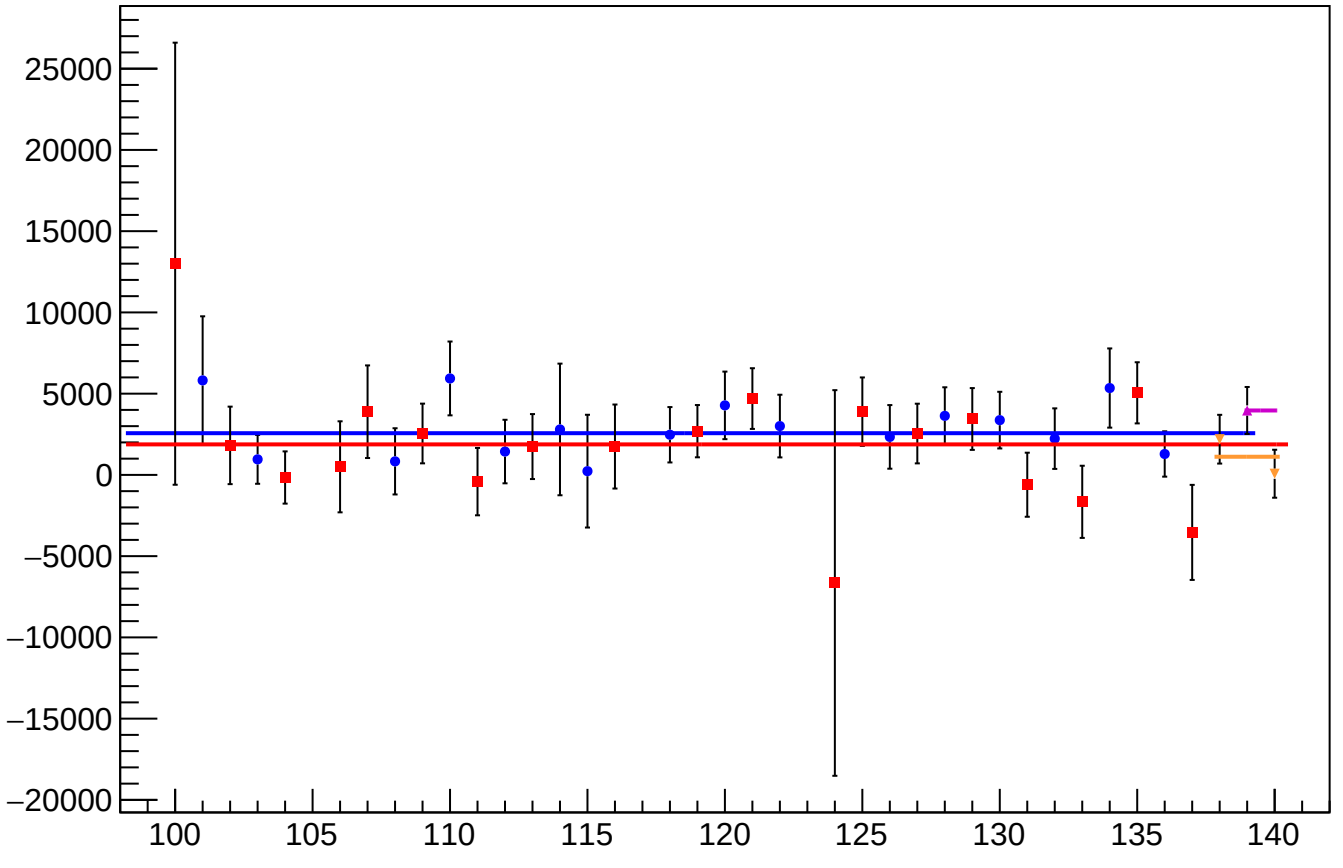
Left: 4975.690+/-2.256 χ^2/NDF: 25042.1/2

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 2917.202+/-0.820 χ^2/NDF:3389230.3/16

Out: 2770.186+/-0.746 χ^2/NDF:3698404.8/20

All: 2836.715+/-0.552 χ^2/NDF: 7105226.6/37



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1117.482+/-1052.039 χ^2/NDF:1.0/1

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 3964.849+/-1446.471 χ^2/NDF:0.0/0

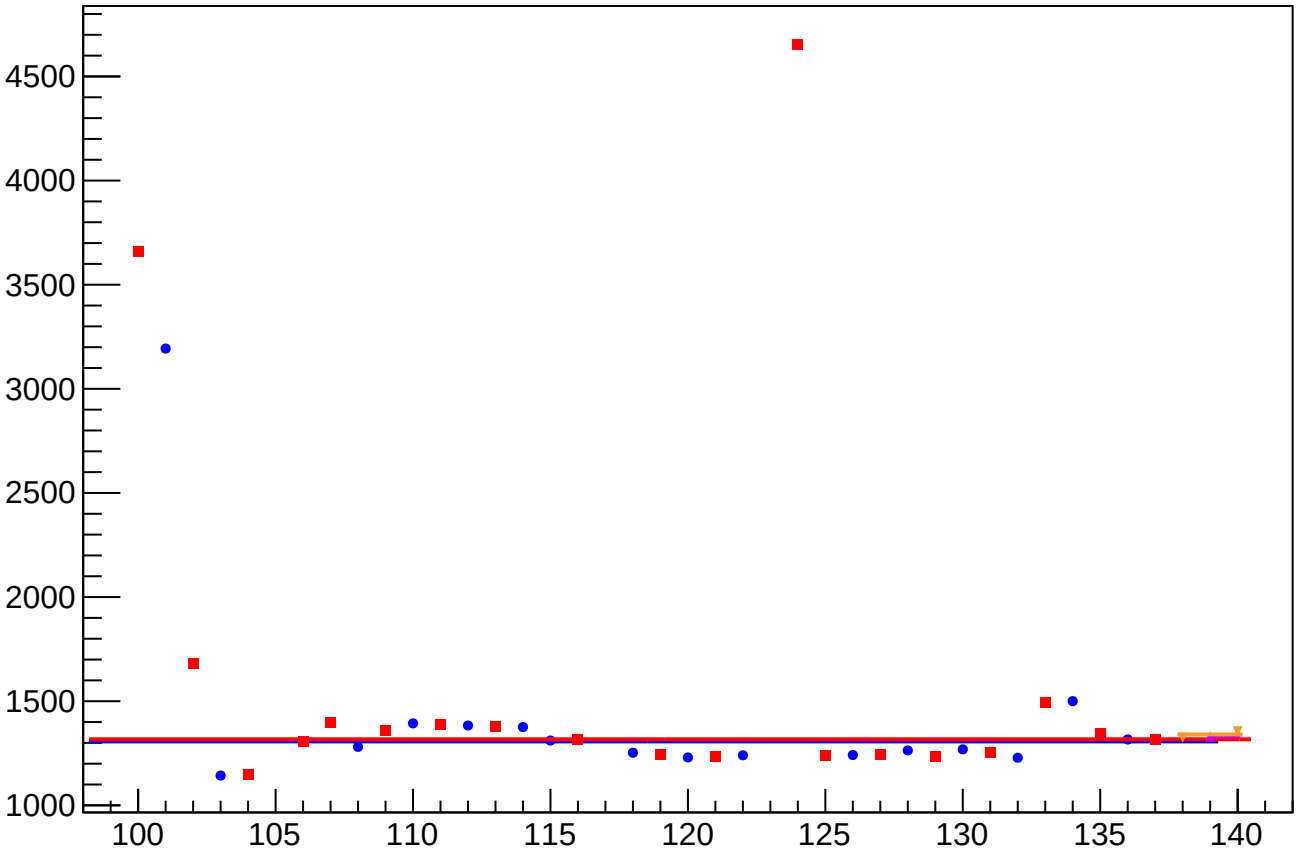
Left: 2102.591+/-850.805 χ^2/NDF: 3.6/2

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2713.894+/-468.644 χ^2/NDF:9.9/16

Out: 1740.094+/-447.690 χ^2/NDF:21.0/20

All: 2204.737+/-323.719 χ^2/NDF: 33.1/37



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1340.454+/-0.744 χ^2/NDF:419.7/1

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1329.972+/-1.023 χ^2/NDF:0.0/0

Left: 1336.827+/-0.602 χ^2/NDF: 488.4/2

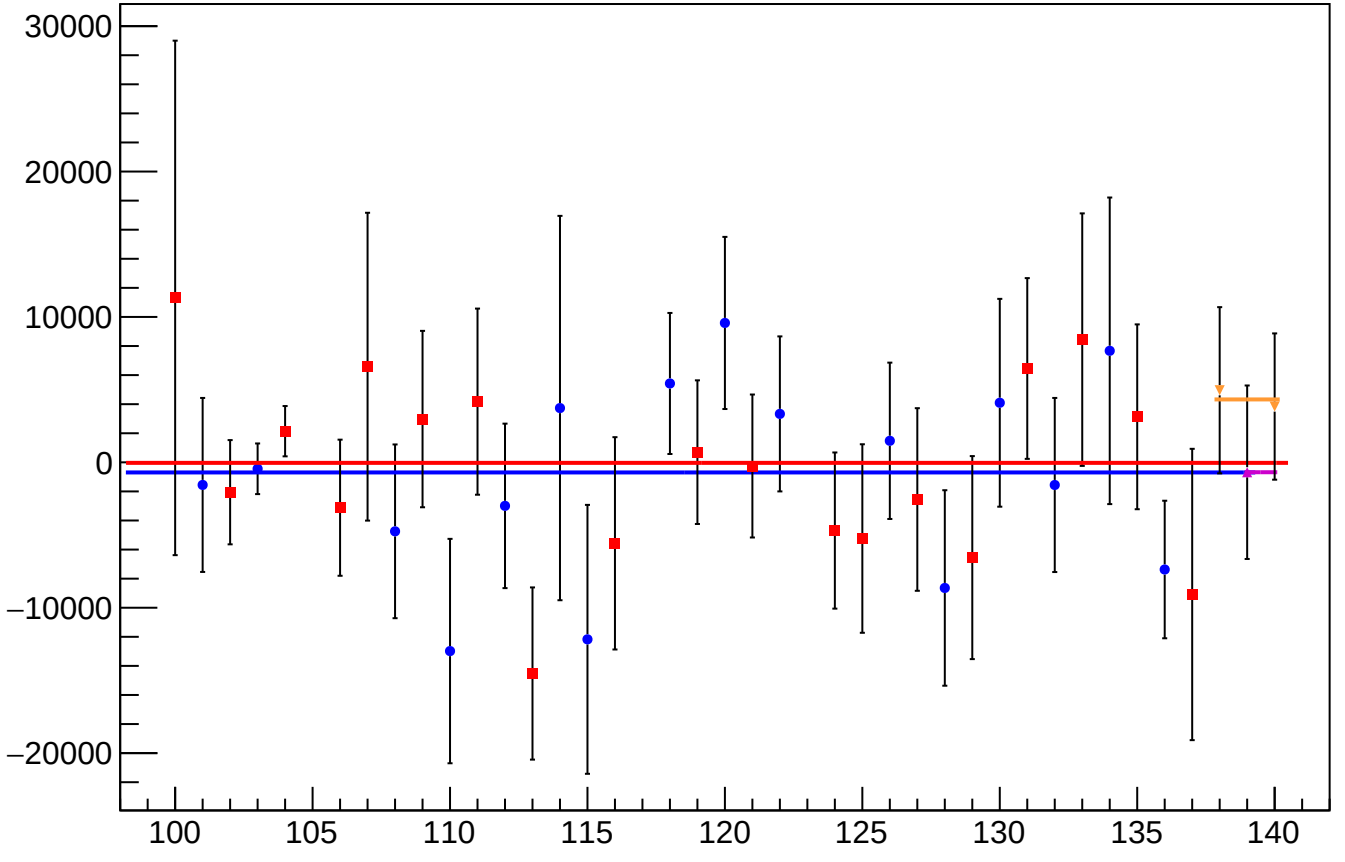
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1309.472+/-0.331 χ^2/NDF:516699.4/16

Out: 1321.339+/-0.316 χ^2/NDF:327152.1/20

All: 1315.686+/-0.229 χ^2/NDF: 844523.0/37

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 4326.444+/-3776.208 χ^2/NDF:0.0/1

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -680.657+/-5966.182 χ^2/NDF:0.0/0

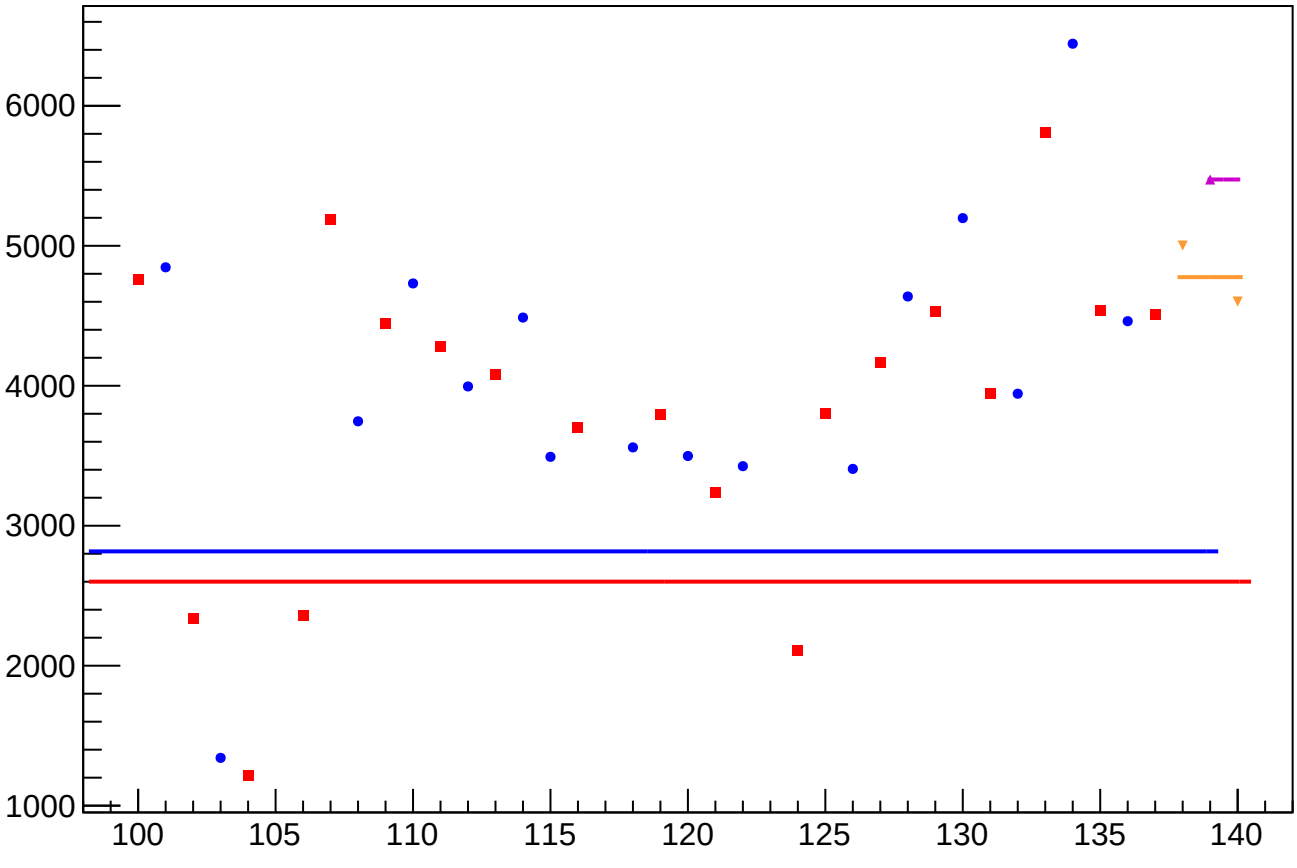
Left: 2894.293+/-3190.786 χ^2/NDF: 0.5/2

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -694.698+/-1159.873 χ^2/NDF:14.7/16

Out: 304.088+/-1054.517 χ^2/NDF:17.2/20

All: -147.893+/-780.250 χ^2/NDF: 32.3/37



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4776.163+/-2.670 χ^2/NDF:5520.4/1

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 5473.750+/-4.219 χ^2/NDF:0.0/0

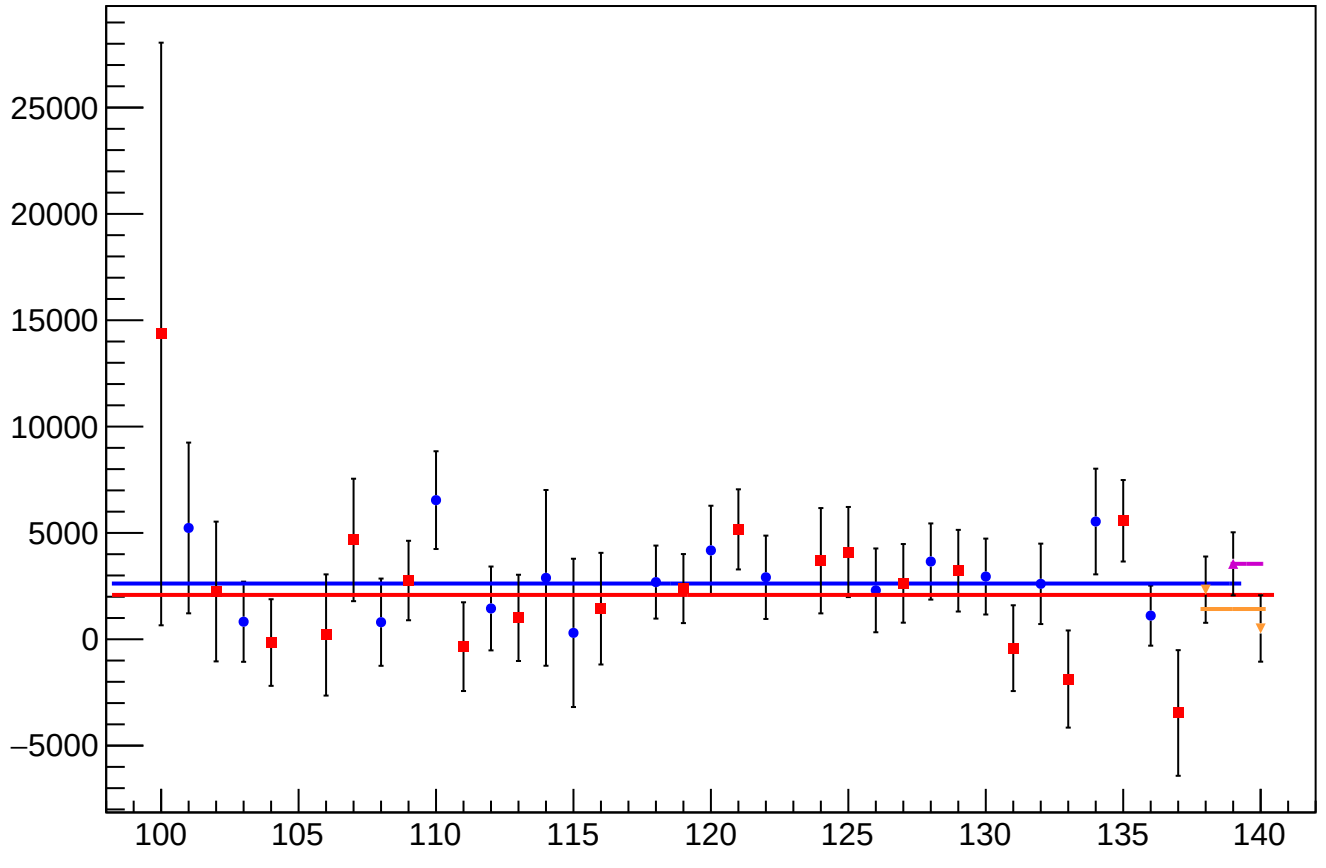
Left: 4975.690+/-2.256 χ^2/NDF: 25042.1/2

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 2917.202+/-0.820 χ^2/NDF:3389230.3/16

Out: 2770.186+/-0.746 χ^2/NDF:3698404.8/20

All: 2836.715+/-0.552 χ^2/NDF: 7105226.6/37



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1422.977+/-1103.260 χ^2/NDF:0.7/1

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 3547.624+/-1482.257 χ^2/NDF:0.0/0

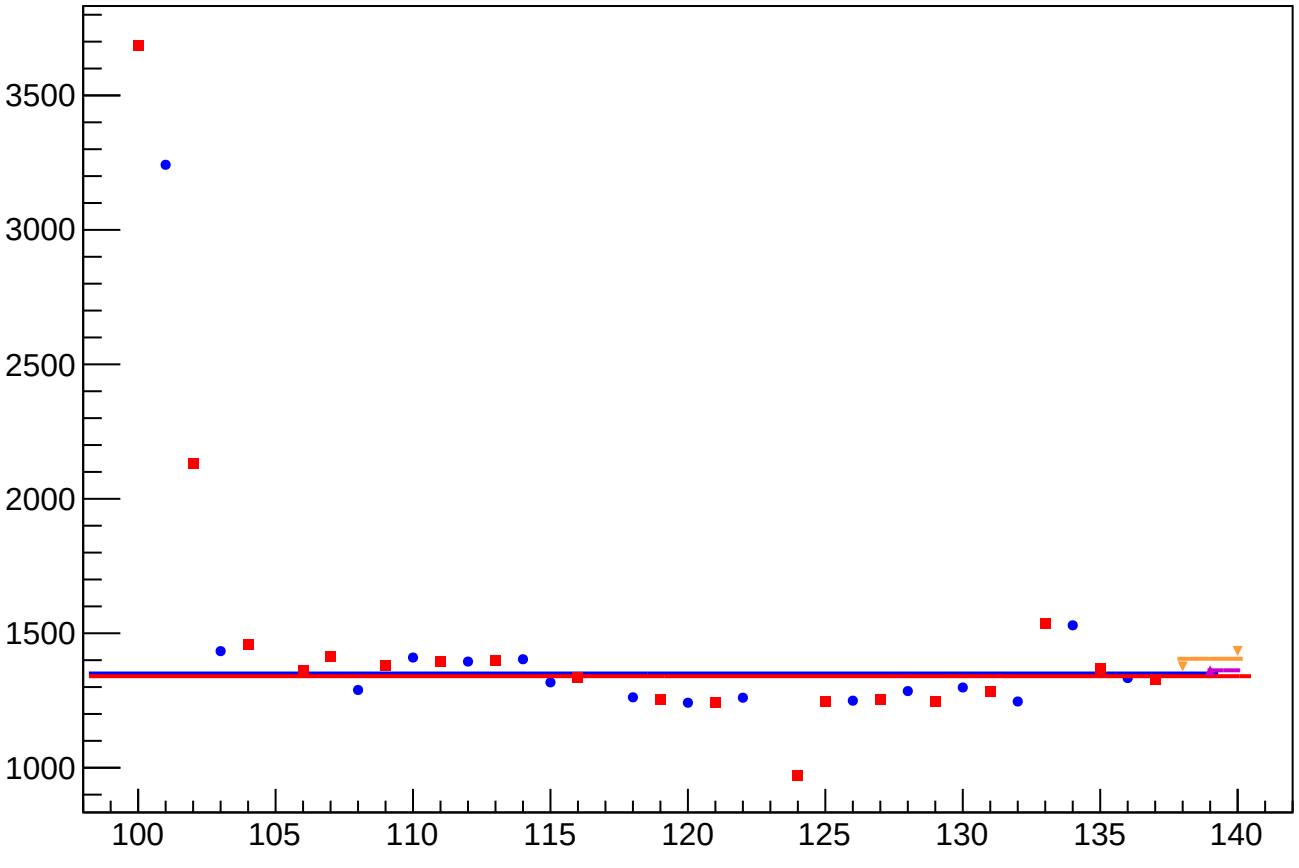
Left: 2180.412+/-885.019 χ^2/NDF: 2.0/2

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2719.190+/-483.529 χ^2/NDF:9.7/16

Out: 1970.869+/-459.086 χ^2/NDF:21.9/20

All: 2325.638+/-332.929 χ^2/NDF: 32.9/37



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1405.148+/-0.780 χ^2/NDF:1371.5/1

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1362.273+/-1.048 χ^2/NDF:0.0/0

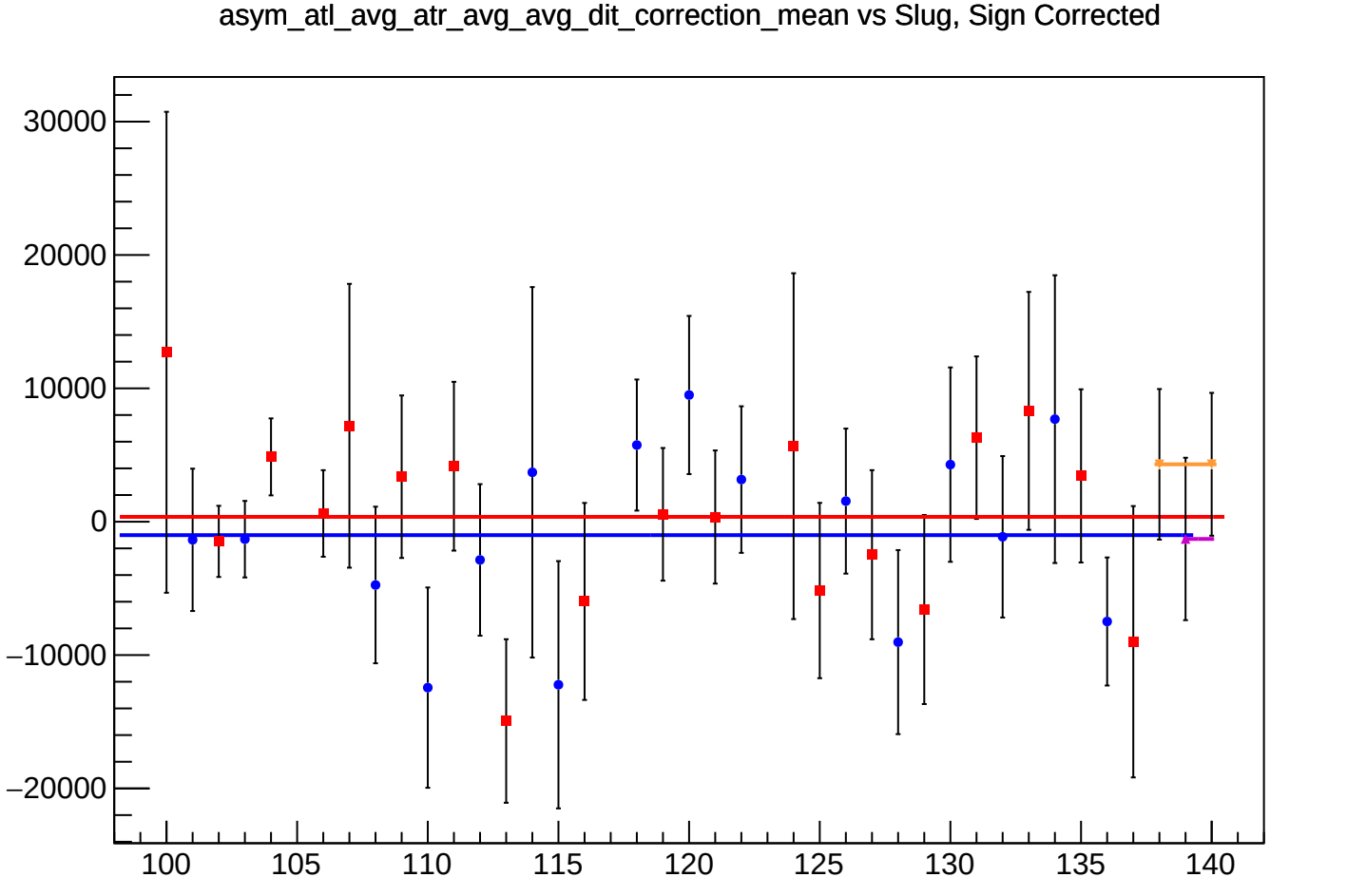
Left: 1389.863+/-0.626 χ^2/NDF: 2448.3/2

Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

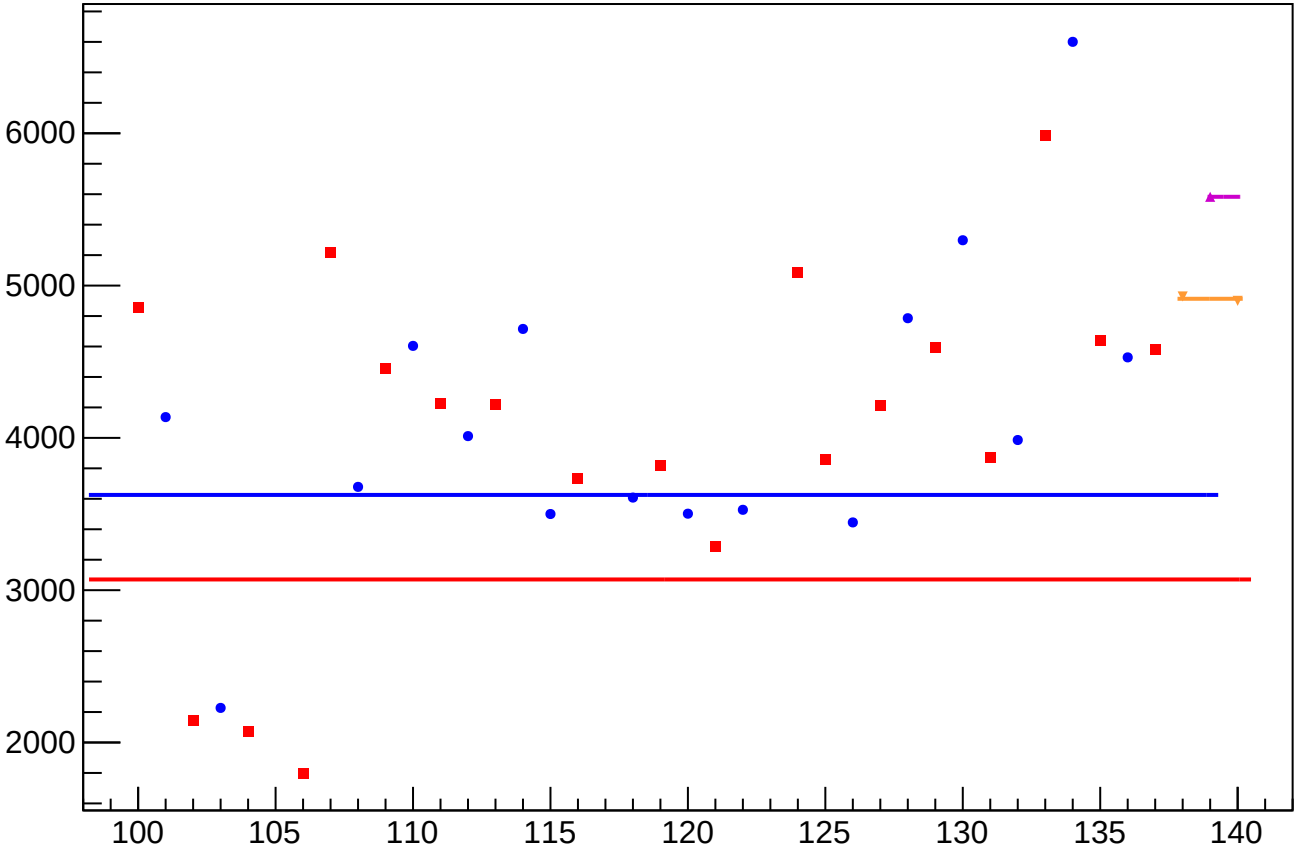
In: 1351.636+/-0.342 χ^2/NDF:494166.3/16

Out: 1351.623+/-0.324 χ^2/NDF:279246.9/20

All: 1351.629+/-0.235 χ^2/NDF: 773413.2/37


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: 4305.013+/-3885.654 χ²/NDF:0.0/1
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: -1293.225+/-6090.004 χ²/NDF:0.0/0
Left: 2685.361+/-3275.690 χ²/NDF: 0.6/2
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -1021.218+/-1368.537 χ²/NDF:14.6/16
Out: 708.902+/-1148.747 χ²/NDF:17.2/20
All: -6.240+/-879.862 χ²/NDF: 32.7/37

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4913.388+/-2.748 χ^2/NDF:27.5/1

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5582.993+/-4.306 χ^2/NDF:0.0/0

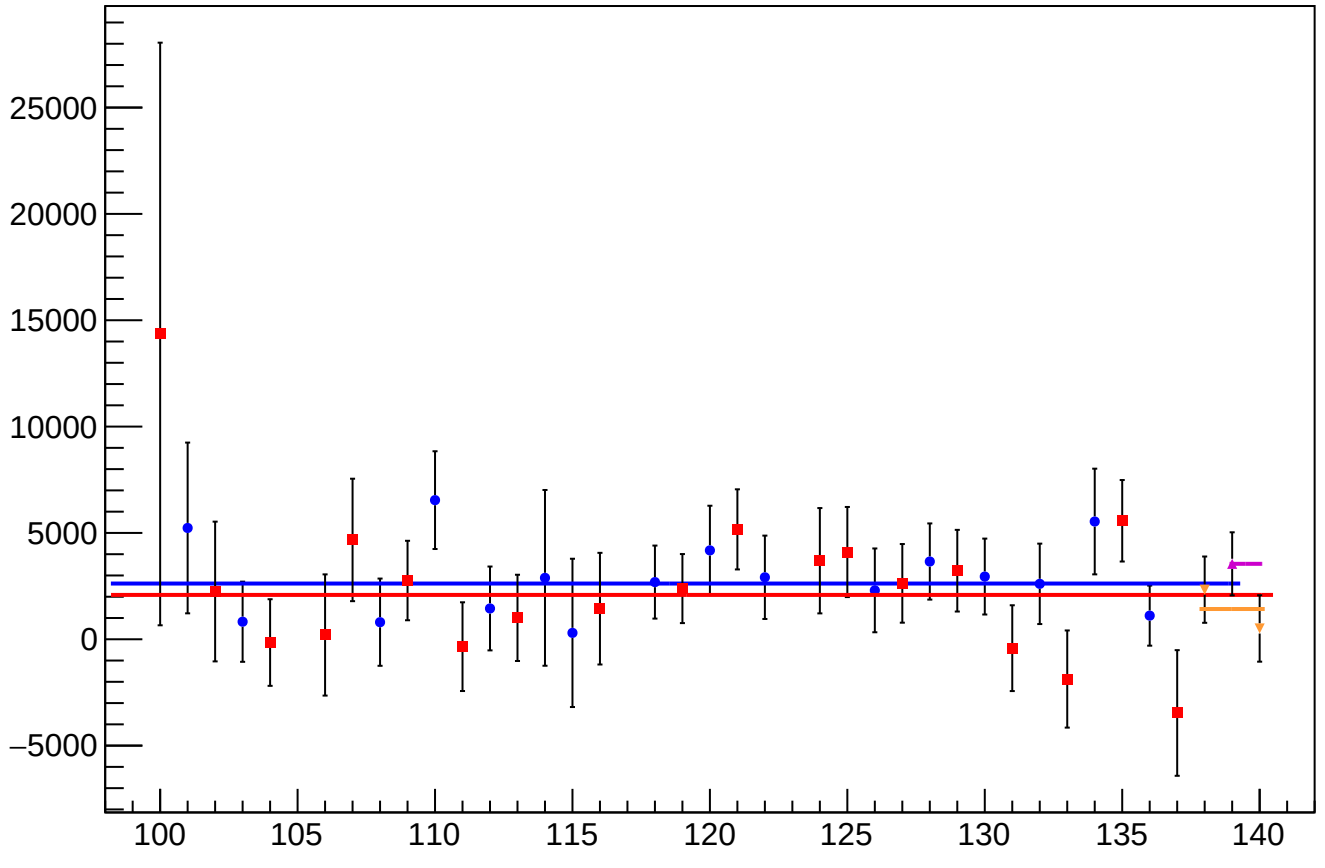
Left: 5107.114+/-2.316 χ^2/NDF: 17211.0/2

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 3724.362+/-0.968 χ^2/NDF:1141099.4/16

Out: 3231.519+/-0.812 χ^2/NDF:2249274.7/20

All: 3435.235+/-0.622 χ^2/NDF: 3542538.9/37



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1422.979+/-1103.261 χ^2/NDF:0.7/1

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 3547.601+/-1482.258 χ^2/NDF:0.0/0

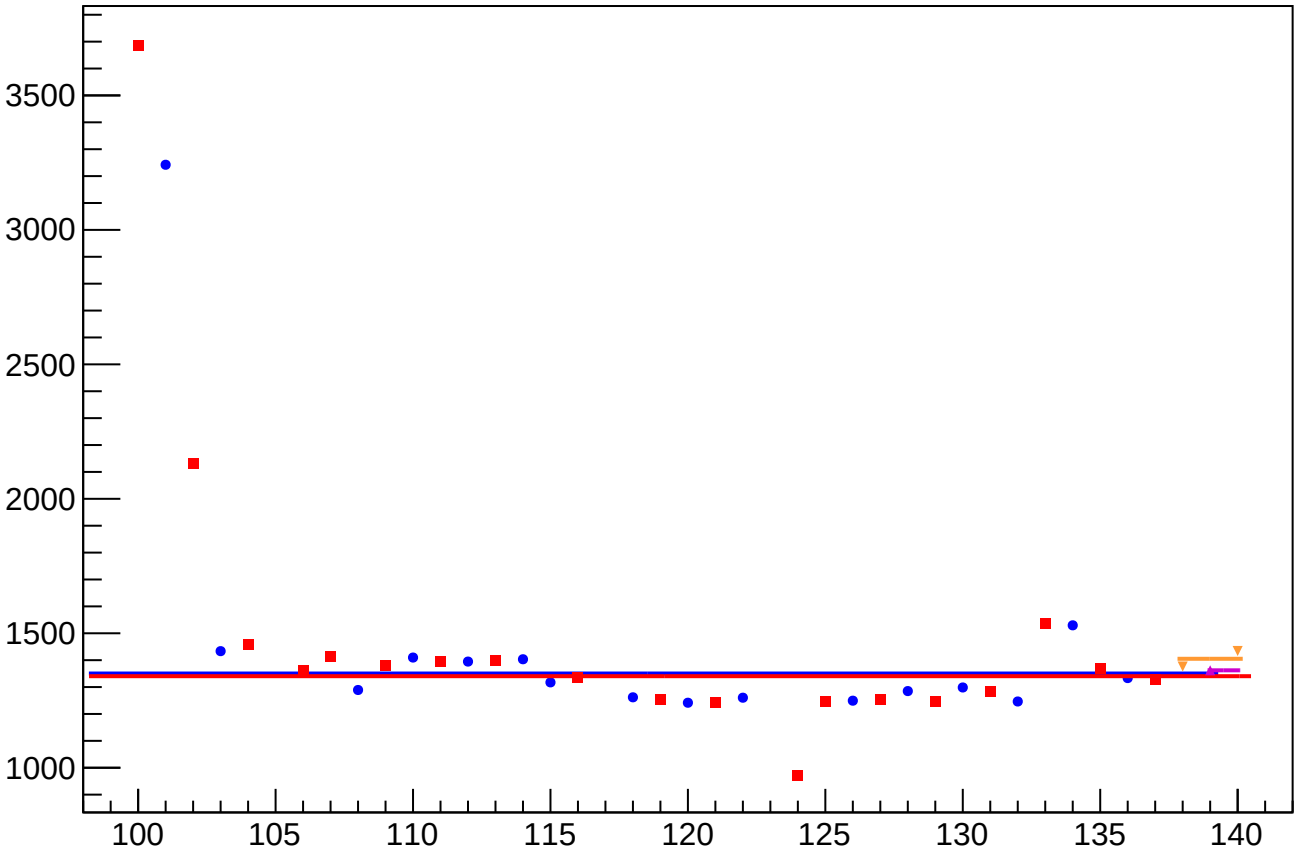
Left: 2180.404+/-885.020 χ^2/NDF: 2.0/2

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2719.187+/-483.529 χ^2/NDF:9.7/16

Out: 1970.872+/-459.086 χ^2/NDF:21.9/20

All: 2325.638+/-332.929 χ^2/NDF: 32.9/37



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1405.148+/-0.780 χ^2/NDF:1371.5/1

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1362.274+/-1.048 χ^2/NDF:0.0/0

Left: 1389.863+/-0.626 χ^2/NDF: 2448.3/2

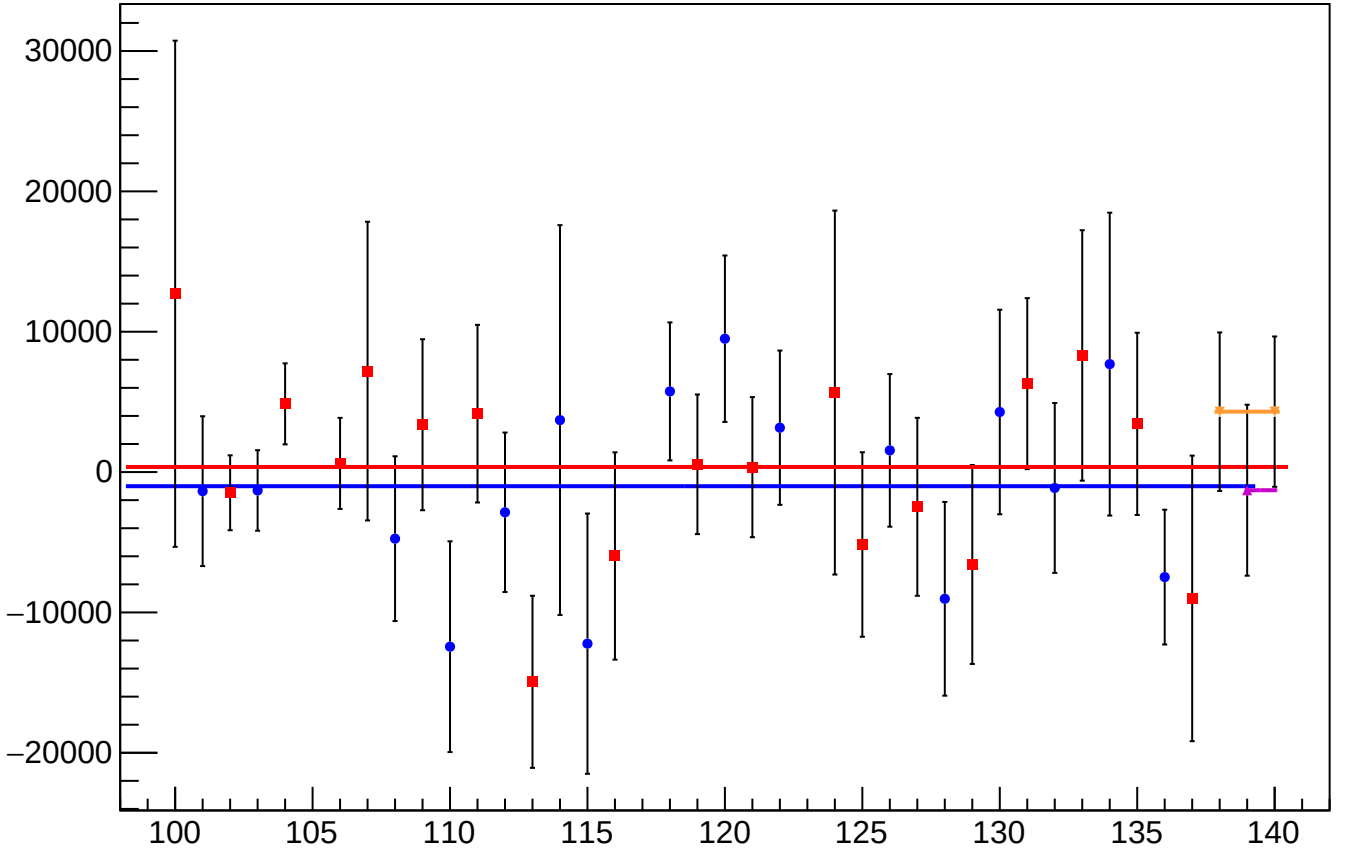
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1351.636+/-0.342 χ^2/NDF:494166.5/16

Out: 1351.623+/-0.324 χ^2/NDF:279246.1/20

All: 1351.629+/-0.235 χ^2/NDF: 773412.5/37

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 4305.015+/-3885.660 χ^2/NDF:0.0/1

Right Out: 364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -1293.247+/-6090.019 χ^2/NDF:0.0/0

Left: 2685.358+/-3275.696 χ^2/NDF: 0.6/2

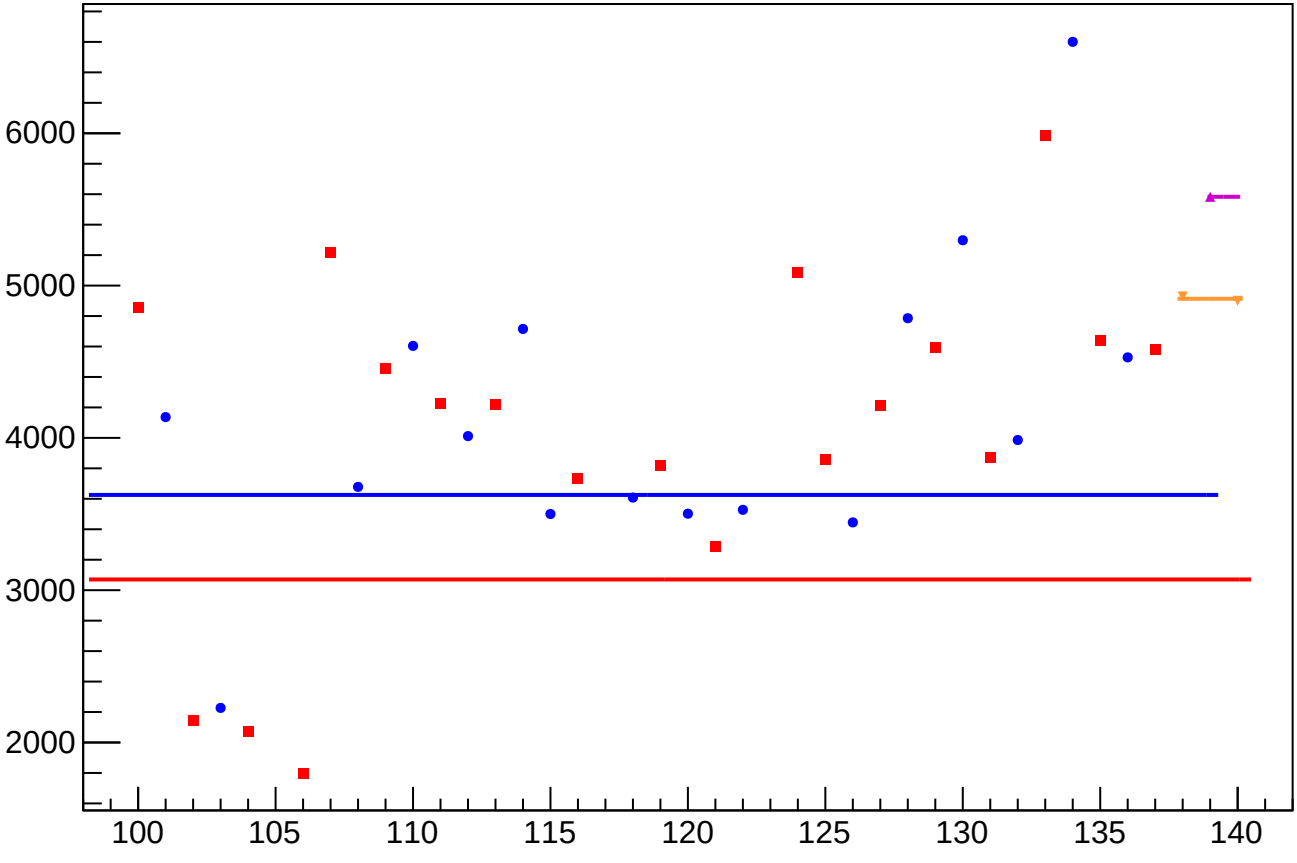
Right: -215.528+/-913.428 χ^2/NDF: 31.4/34

In: -1021.210+/-1368.534 χ^2/NDF:14.6/16

Out: 708.901+/-1148.744 χ^2/NDF:17.2/20

All: -6.237+/-879.860 χ^2/NDF: 32.7/37

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4913.395+/-2.748 χ^2/NDF:27.6/1

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5583.007+/-4.306 χ^2/NDF:0.0/0

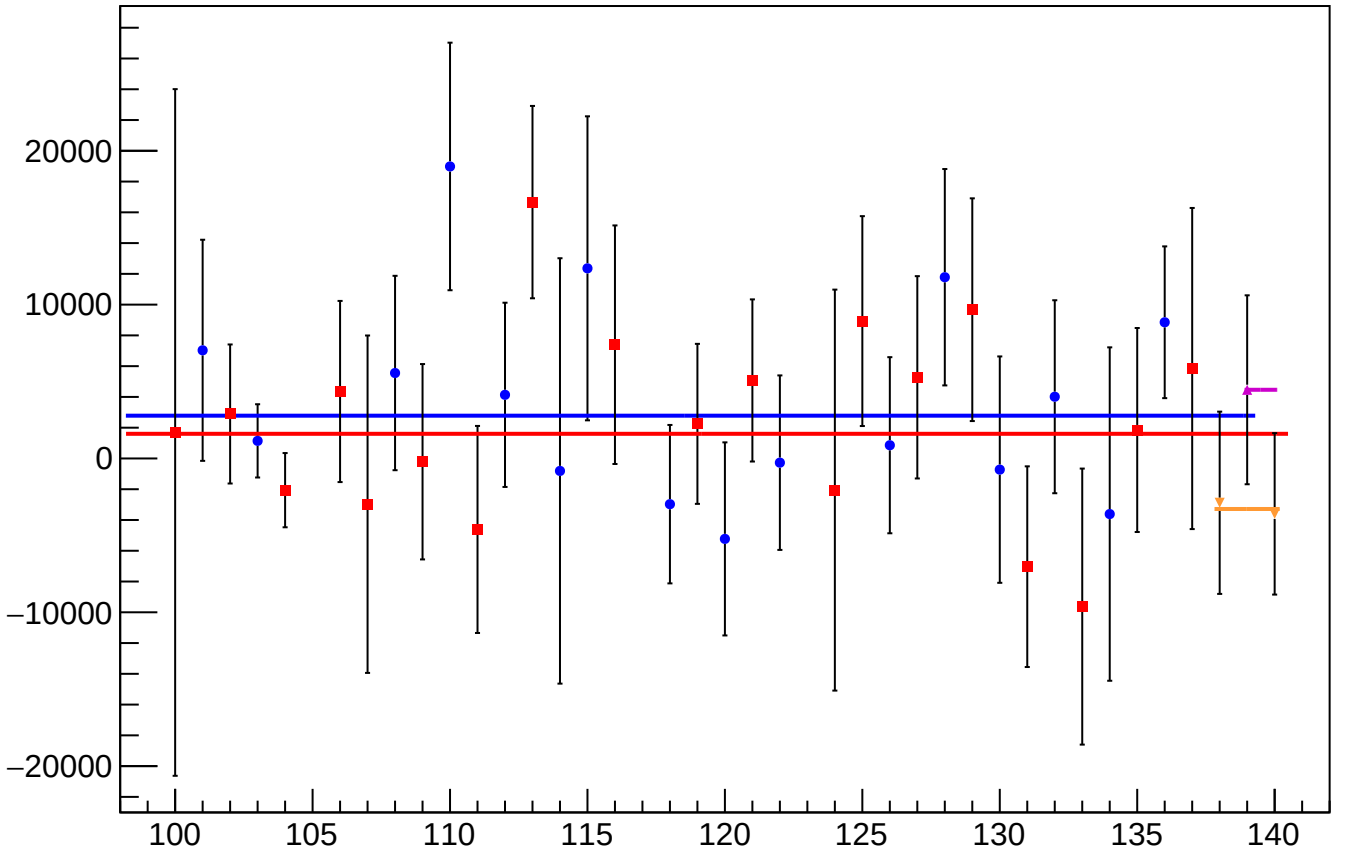
Left: 5107.123+/-2.316 χ^2/NDF: 17211.3/2

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 3724.353+/-0.968 χ^2/NDF:1141105.3/16

Out: 3231.511+/-0.812 χ^2/NDF:2249283.9/20

All: 3435.226+/-0.622 χ^2/NDF: 3542554.4/37



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: -3284.683+/-3928.092 χ^2/NDF:0.0/1

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 4464.366+/-6141.202 χ^2/NDF:0.0/0

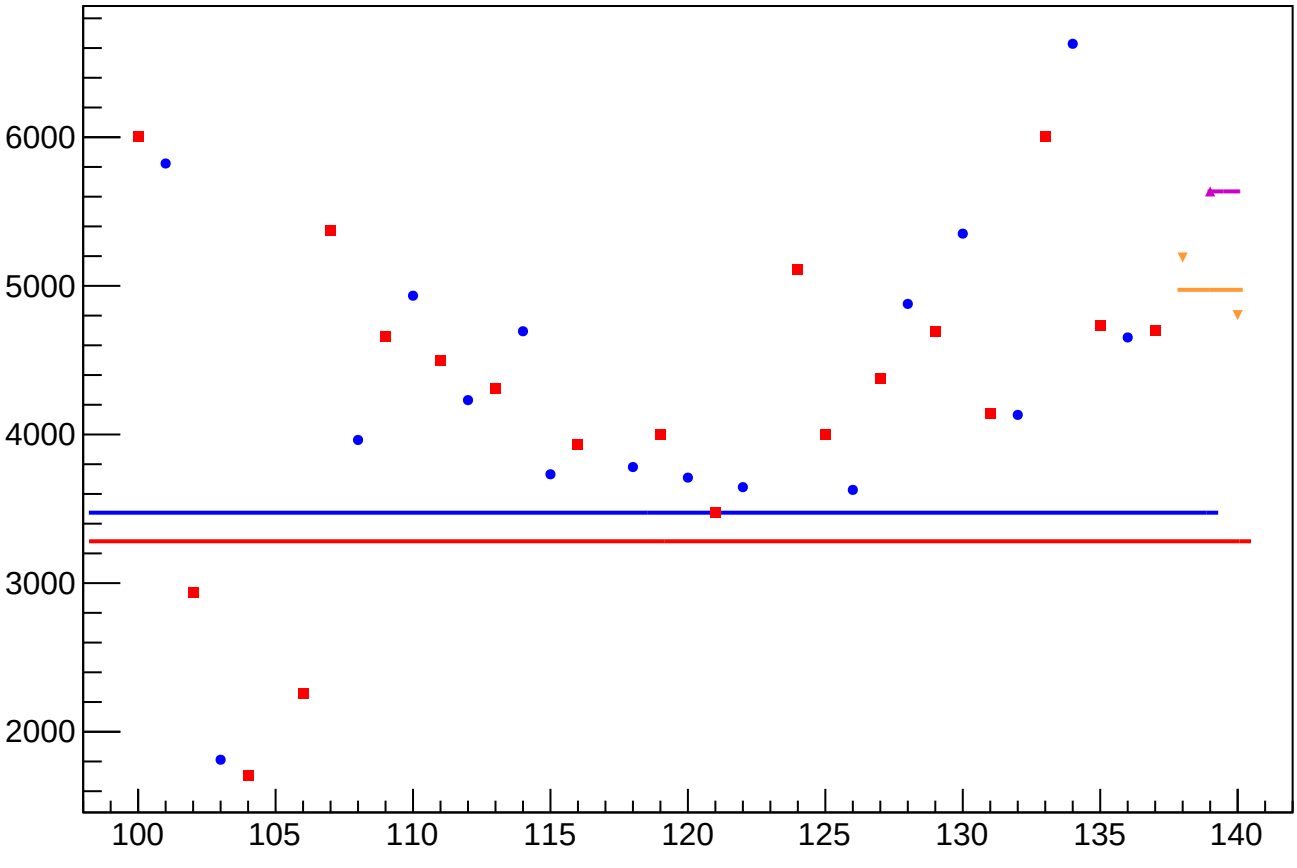
Left: -1034.824+/-3309.076 χ^2/NDF: 1.1/2

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2862.857+/-1355.187 χ^2/NDF:13.2/16

Out: 1095.199+/-1265.708 χ^2/NDF:18.2/20

All: 1918.749+/-925.007 χ^2/NDF: 32.3/37



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4973.340+/-2.778 χ^2/NDF:4794.9/1

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5635.447+/-4.342 χ^2/NDF:0.0/0

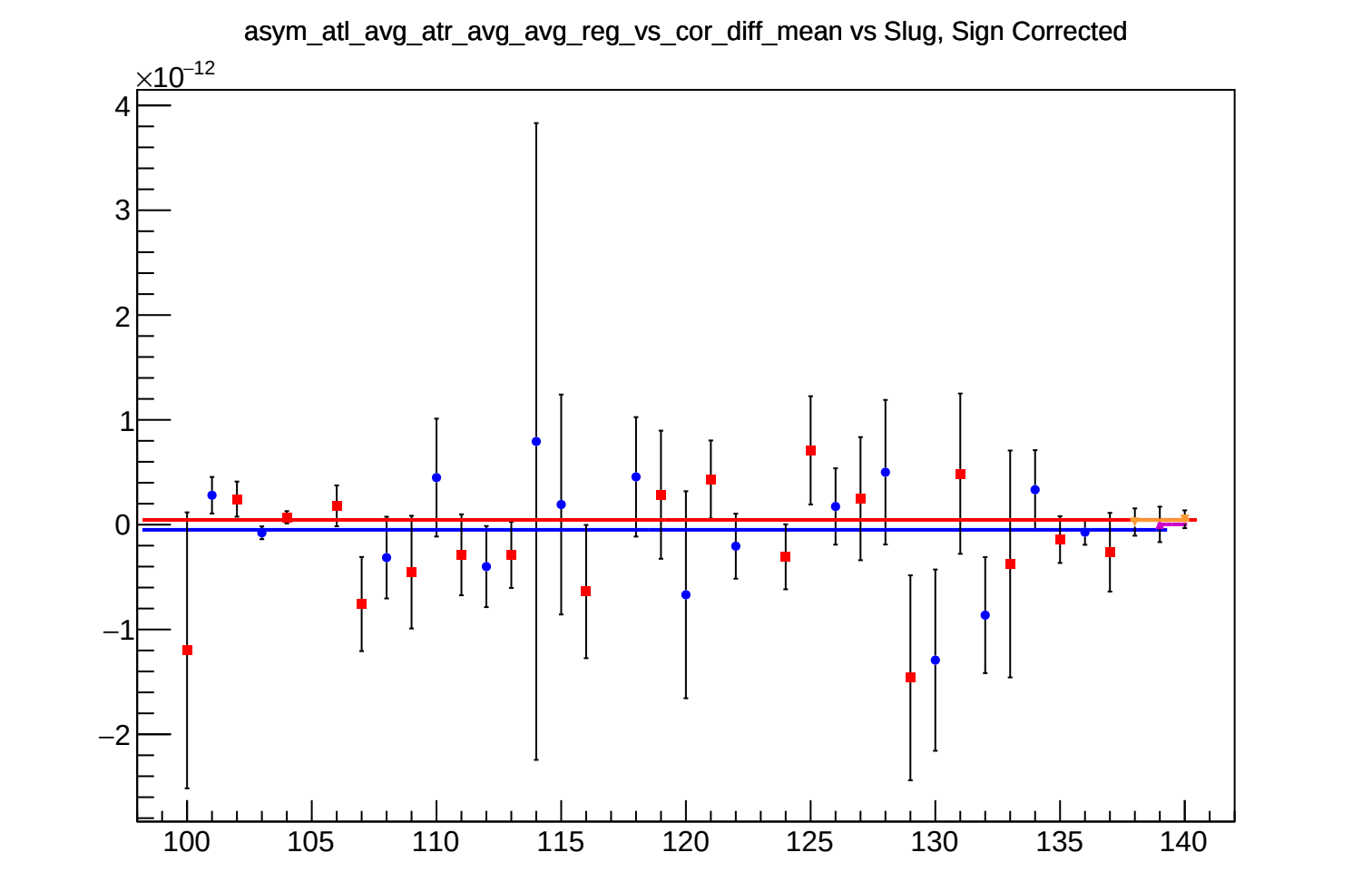
Left: 5165.576+/-2.340 χ^2/NDF: 21292.8/2

Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3579.155+/-0.958 χ^2/NDF:2079671.5/16

Out: 3452.851+/-0.884 χ^2/NDF:2213726.6/20

All: 3510.921+/-0.650 χ^2/NDF: 4302783.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

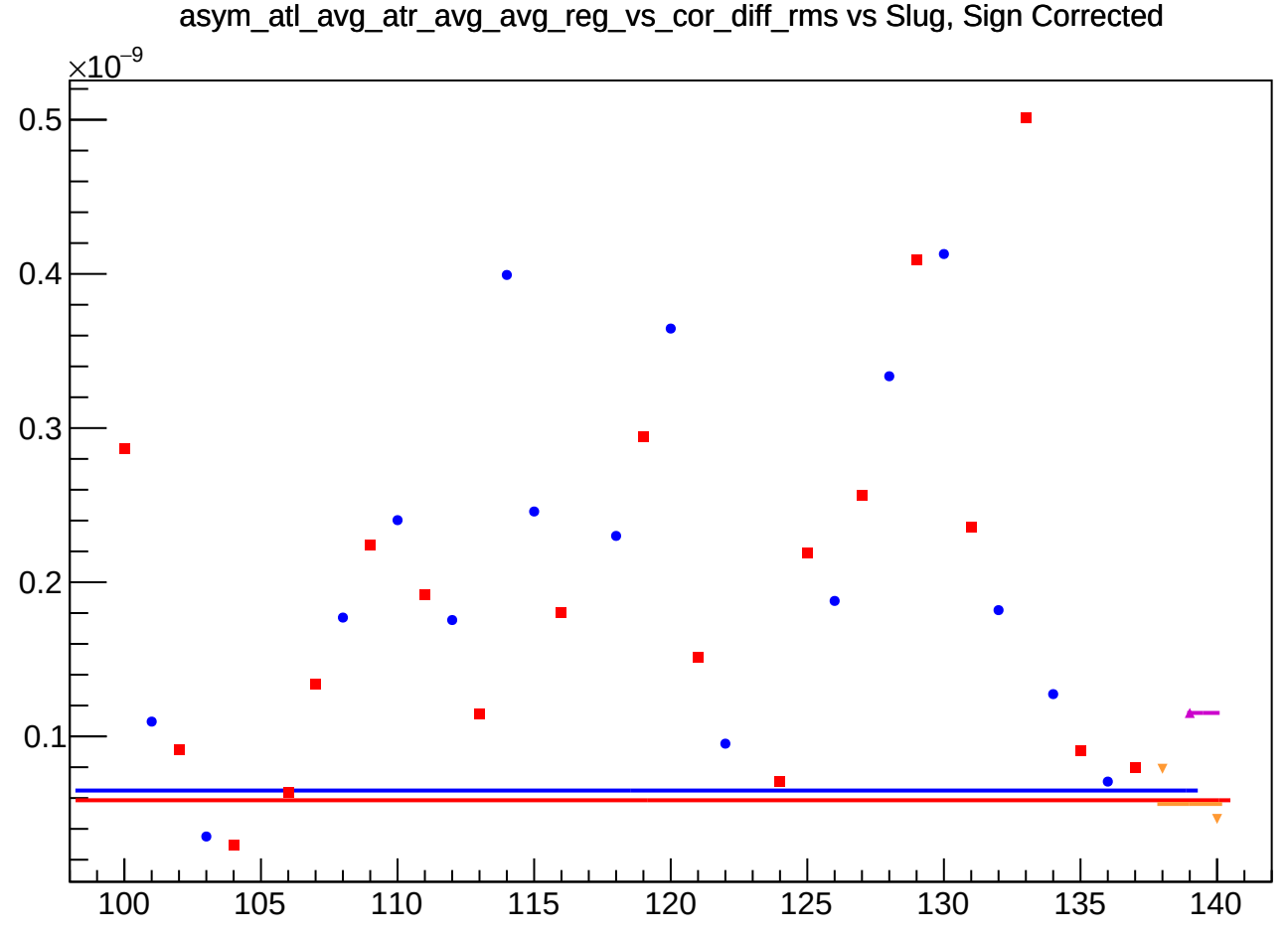
Left: 0.000+/-0.000 χ^2/NDF: 0.1/2

Right: -0.000+/-0.000 χ^2/NDF: 34.2/34

In: -0.000+/-0.000 χ^2/NDF:13.8/16

Out: 0.000+/-0.000 χ^2/NDF:18.6/20

All: 0.000+/-0.000 χ^2/NDF: 34.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:87394.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 295044.0/2

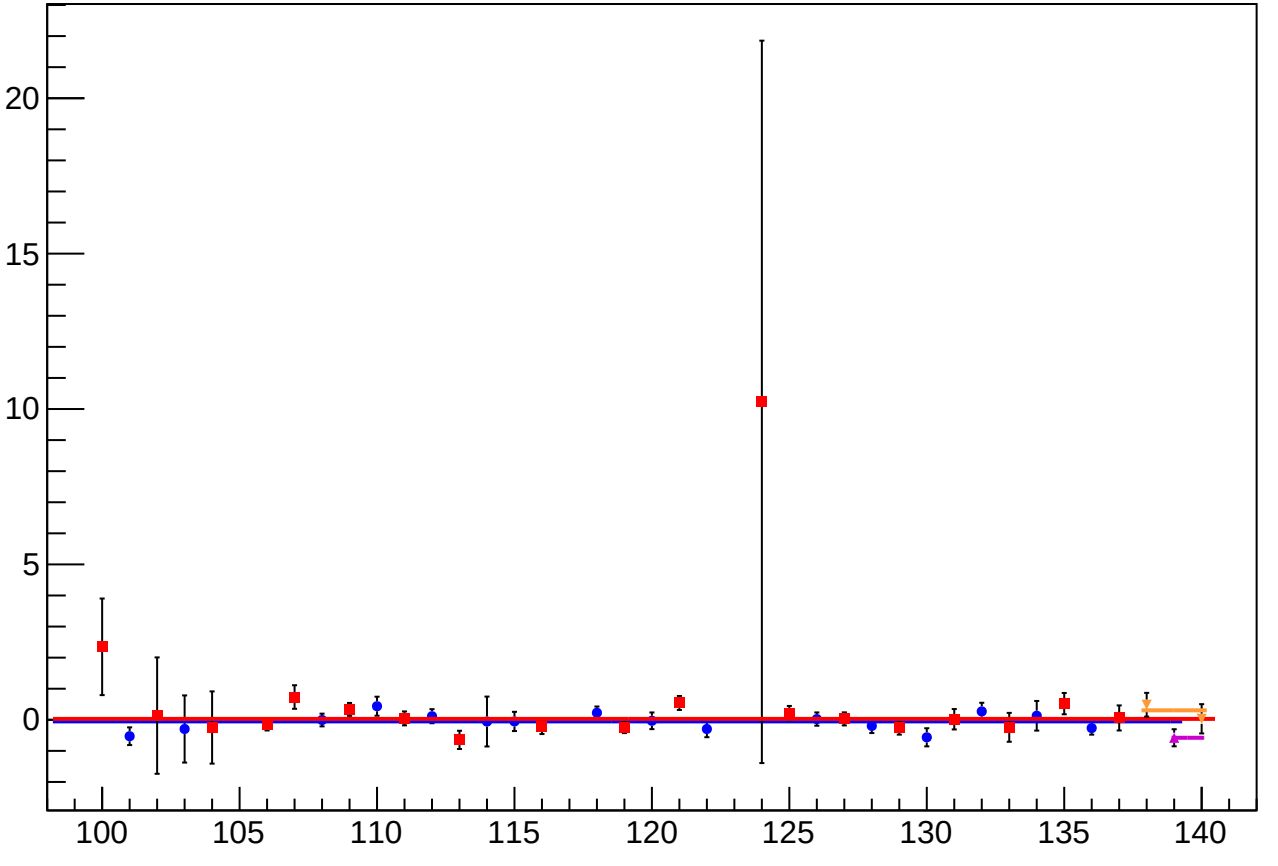
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:2757040.8/16

Out: 0.000+/-0.000 χ^2/NDF:2944071.6/20

All: 0.000+/-0.000 χ^2/NDF: 5764635.2/37

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.305+/-0.297 χ^2/NDF:0.6/1

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.579+/-0.275 χ^2/NDF:0.0/0

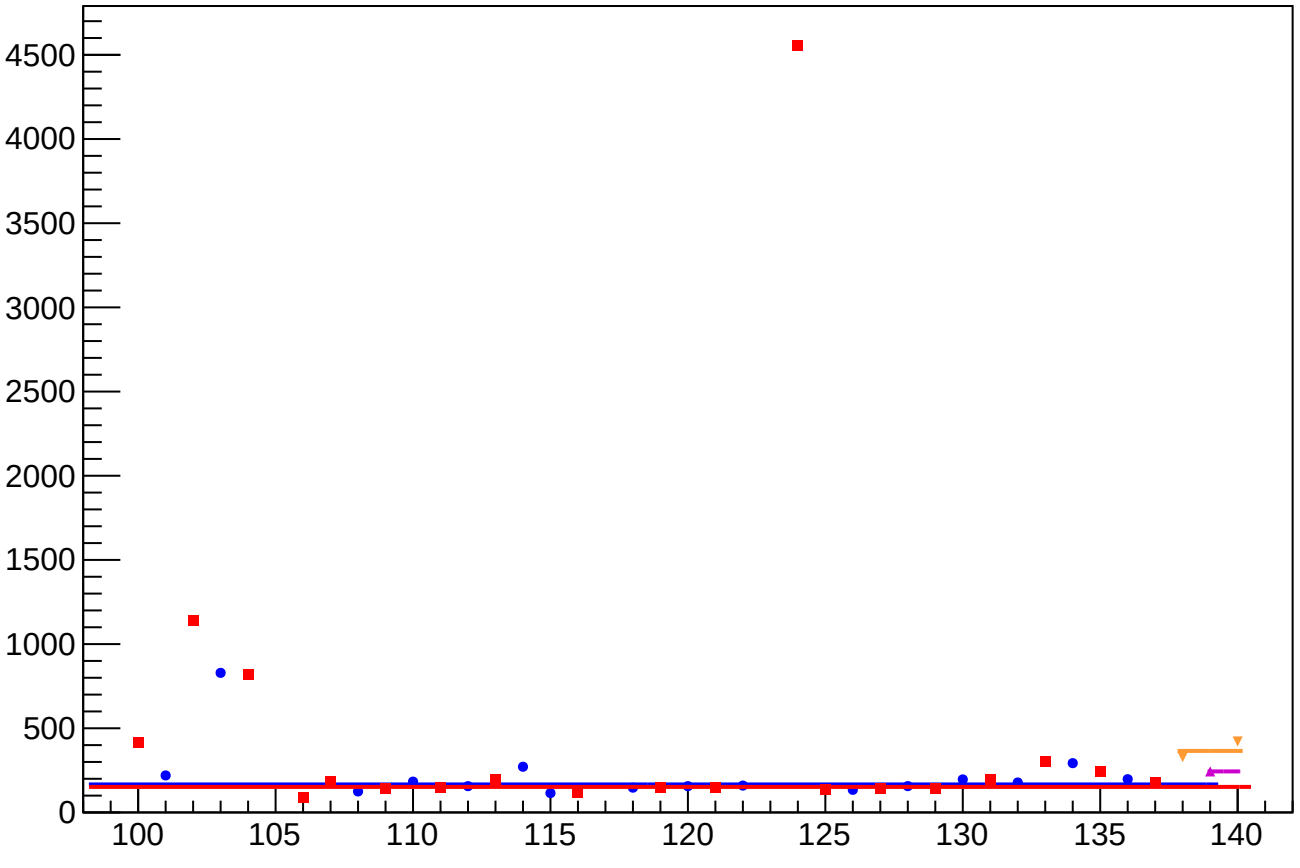
Left: -0.170+/-0.202 χ^2/NDF: 5.3/2

Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.080+/-0.065 χ^2/NDF:18.3/16

Out: 0.041+/-0.063 χ^2/NDF:28.9/20

All: -0.017+/-0.045 χ^2/NDF: 49.1/37



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 365.499+/-0.210 χ^2/NDF:47202.6/1

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 243.800+/-0.195 χ^2/NDF:0.0/0

Left: 300.053+/-0.143 χ^2/NDF: 228039.3/2

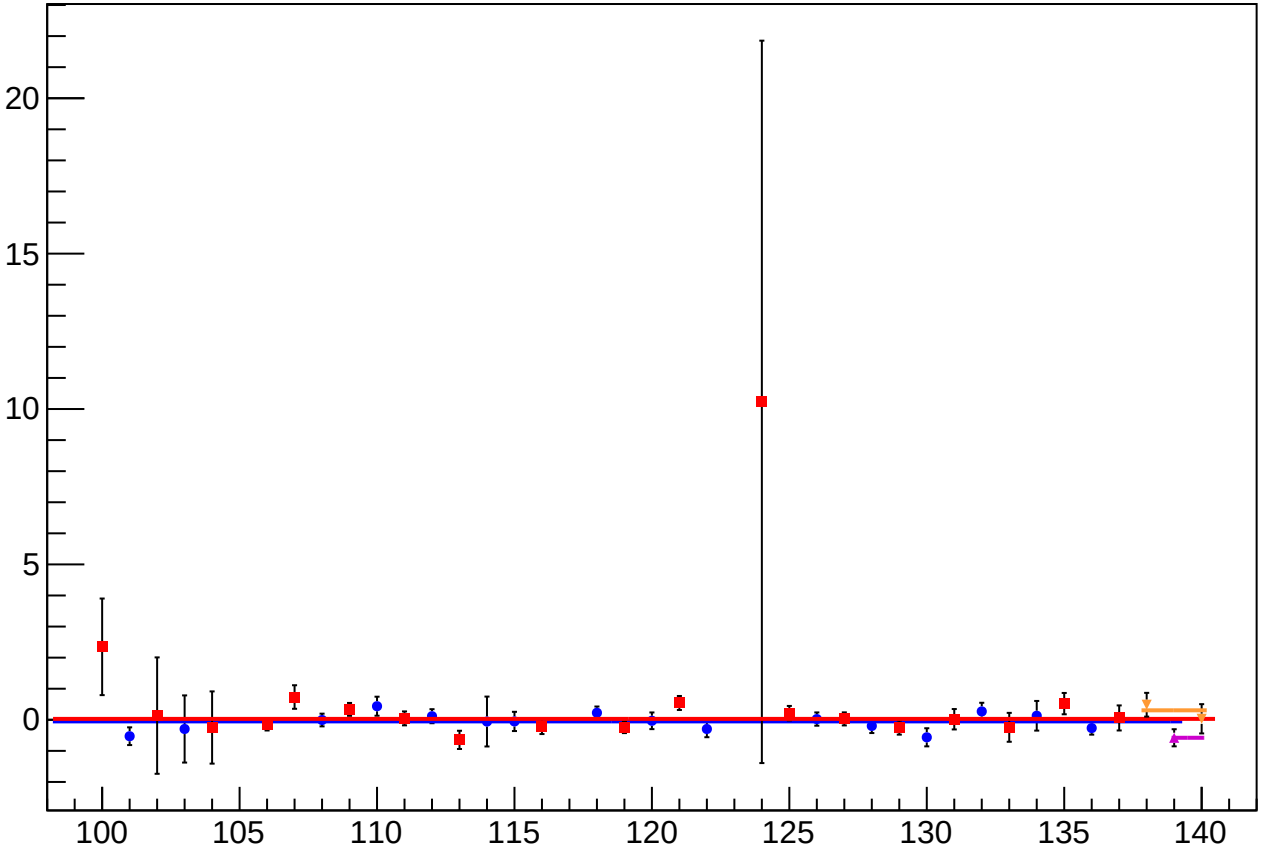
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 170.661+/-0.046 χ^2/NDF:1432344.1/16

Out: 161.293+/-0.044 χ^2/NDF:3353695.9/20

All: 165.811+/-0.032 χ^2/NDF: 4807650.8/37

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.305+/-0.297 χ^2/NDF:0.6/1

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.579+/-0.275 χ^2/NDF:0.0/0

Left: -0.170+/-0.202 χ^2/NDF: 5.3/2

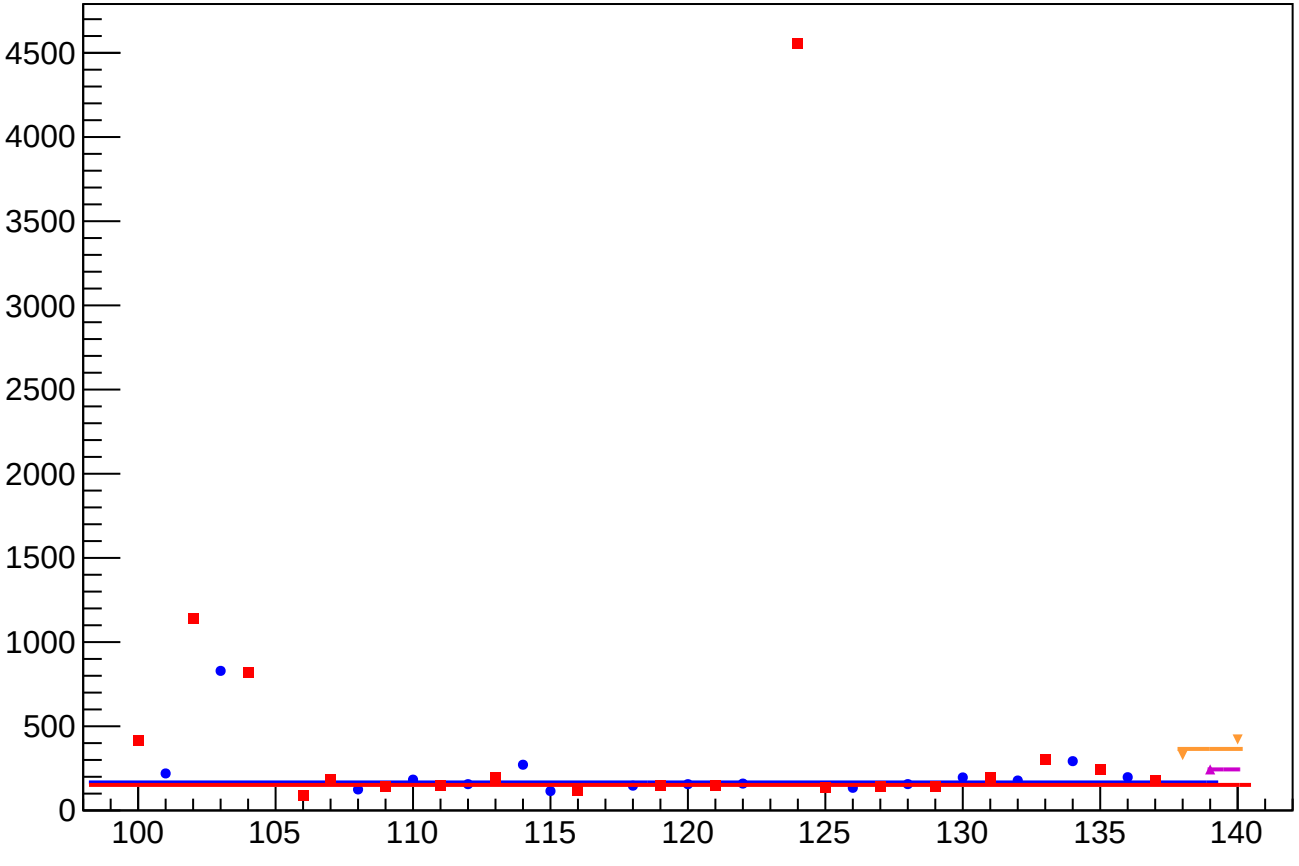
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.080+/-0.065 χ^2/NDF:18.3/16

Out: 0.041+/-0.063 χ^2/NDF:28.9/20

All: -0.017+/-0.045 χ^2/NDF: 49.1/37

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 365.499+/-0.210 χ^2/NDF:47202.6/1

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 243.800+/-0.195 χ^2/NDF:0.0/0

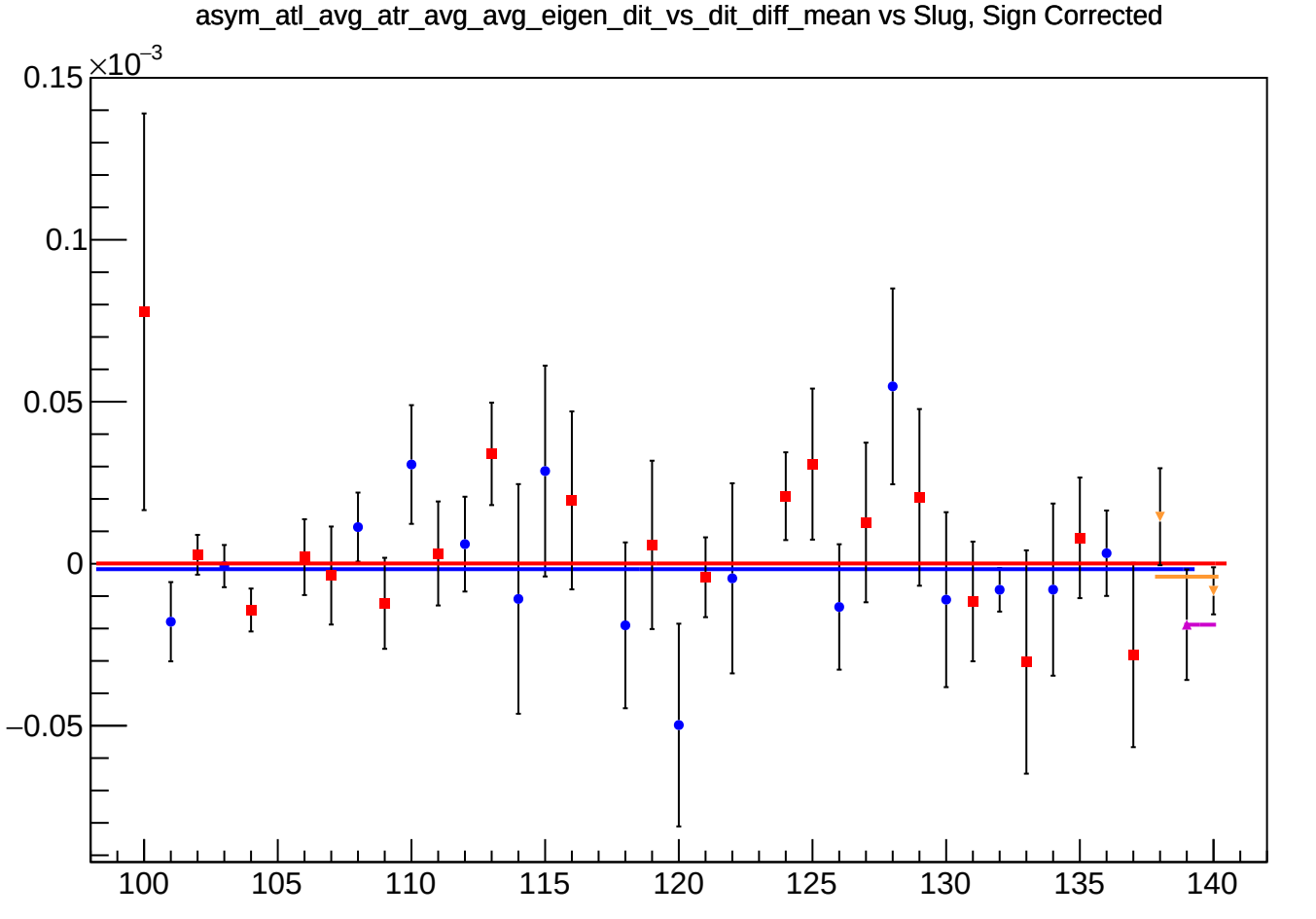
Left: 300.053+/-0.143 χ^2/NDF: 228039.3/2

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 170.661+/-0.046 χ^2/NDF:1432344.1/16

Out: 161.293+/-0.044 χ^2/NDF:3353695.9/20

All: 165.811+/-0.032 χ^2/NDF: 4807650.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

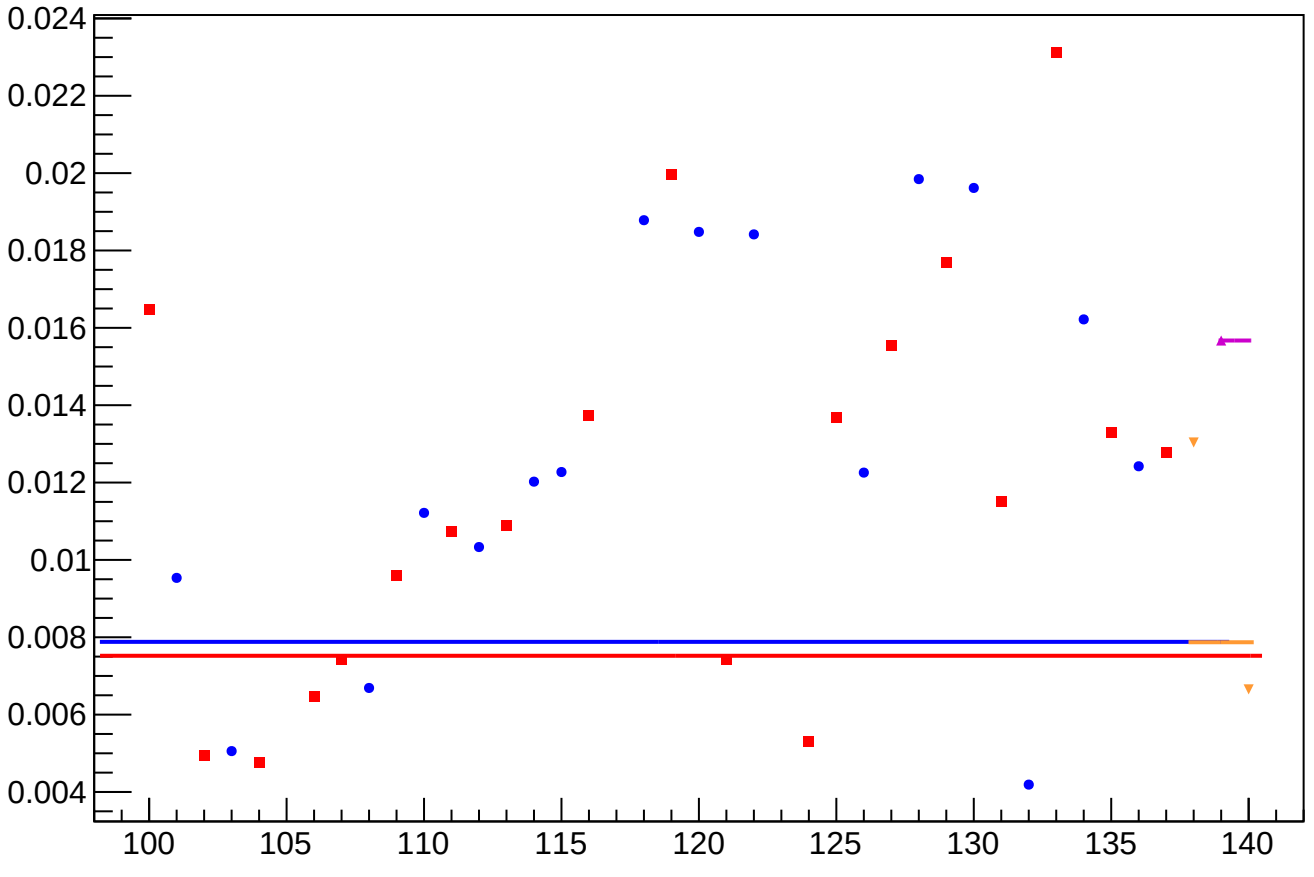
Left: -0.000+/-0.000 χ^2/NDF: 2.5/2

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:16.4/16

Out: -0.000+/-0.000 χ^2/NDF:22.1/20

All: -0.000+/-0.000 χ^2/NDF: 38.7/37



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:294385.6/1

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.016+/-0.000 χ^2/NDF:0.0/0

Left: 0.009+/-0.000 χ^2/NDF: 658995.9/2

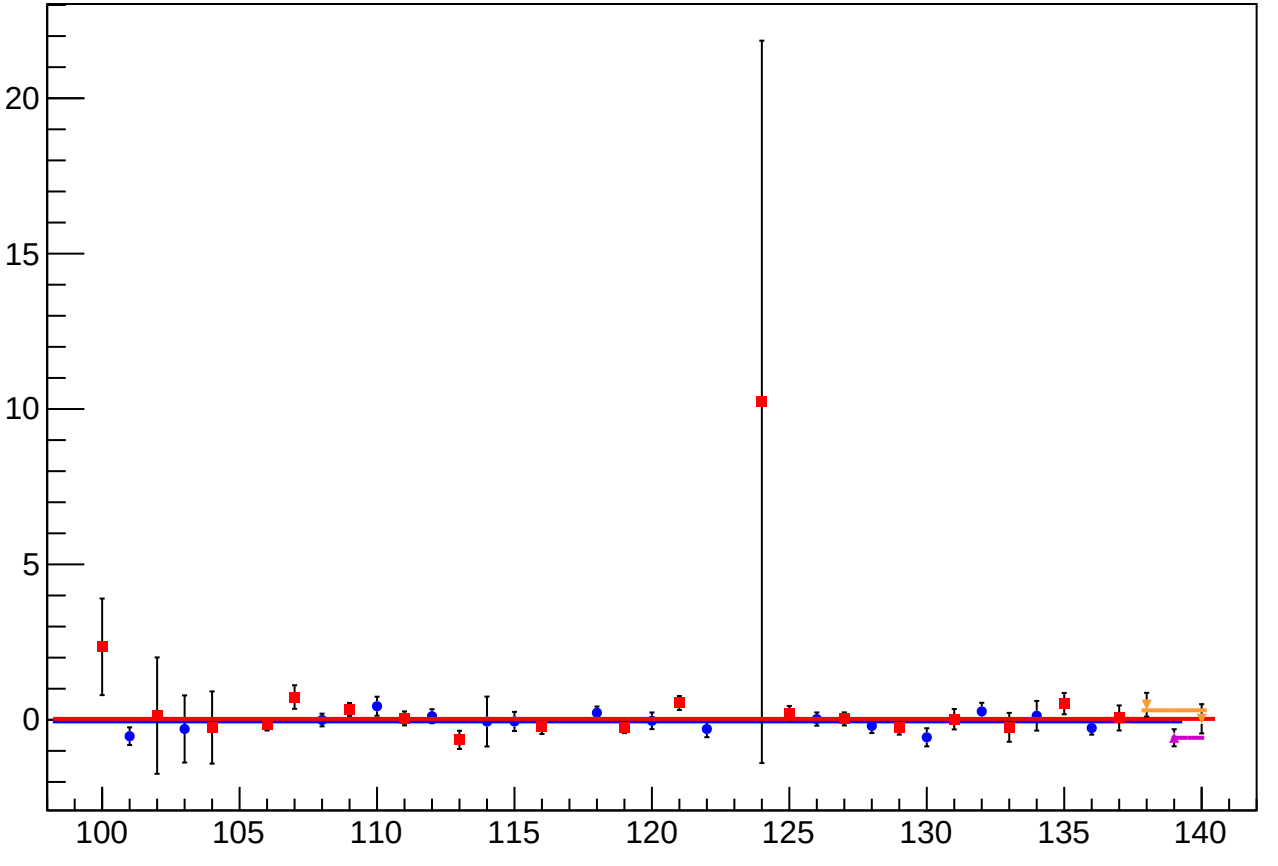
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.008+/-0.000 χ^2/NDF:3702870.4/16

Out: 0.008+/-0.000 χ^2/NDF:3274368.4/20

All: 0.008+/-0.000 χ^2/NDF: 7013927.7/37

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.305+/-0.297 χ^2/NDF:0.6/1

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.579+/-0.275 χ^2/NDF:0.0/0

Left: -0.170+/-0.202 χ^2/NDF: 5.3/2

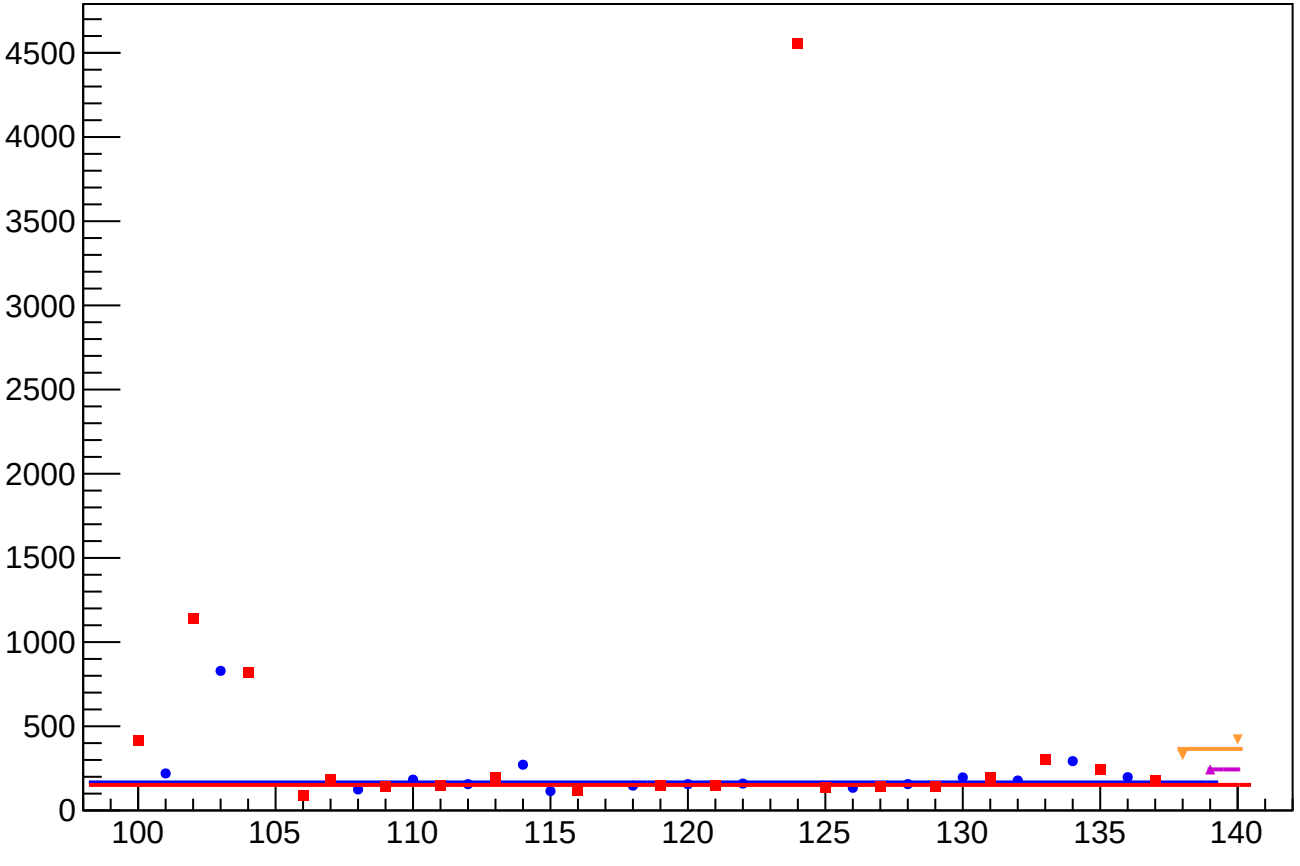
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.080+/-0.065 χ^2/NDF:18.3/16

Out: 0.041+/-0.063 χ^2/NDF:28.9/20

All: -0.017+/-0.045 χ^2/NDF: 49.1/37

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 365.501+/-0.210 χ^2/NDF:47200.8/1

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 243.806+/-0.195 χ^2/NDF:0.0/0

Left: 300.059+/-0.143 χ^2/NDF: 228023.7/2

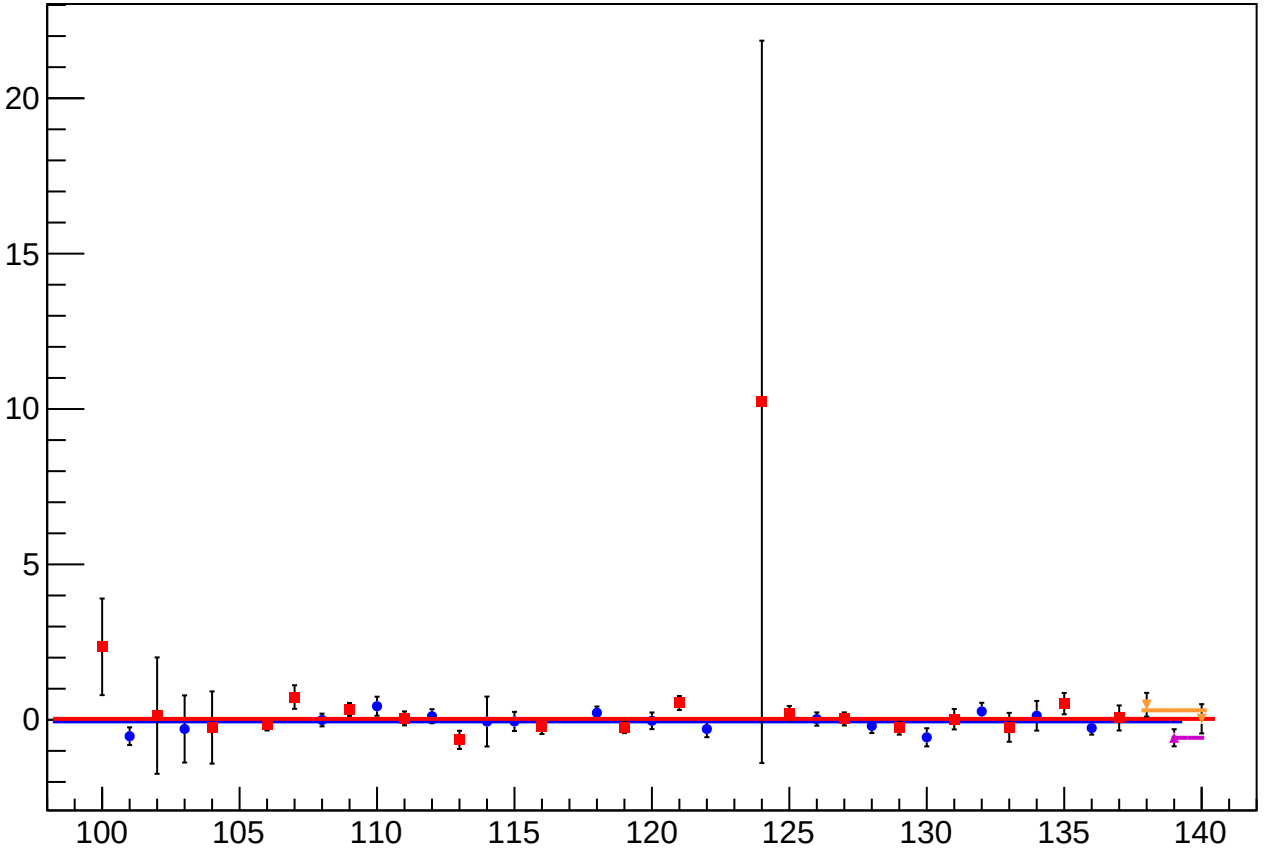
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 170.661+/-0.046 χ^2/NDF:1432358.2/16

Out: 161.292+/-0.044 χ^2/NDF:3353723.9/20

All: 165.810+/-0.032 χ^2/NDF: 4807696.6/37

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.305+/-0.297 χ^2/NDF:0.6/1

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.579+/-0.275 χ^2/NDF:0.0/0

Left: -0.170+/-0.202 χ^2/NDF: 5.3/2

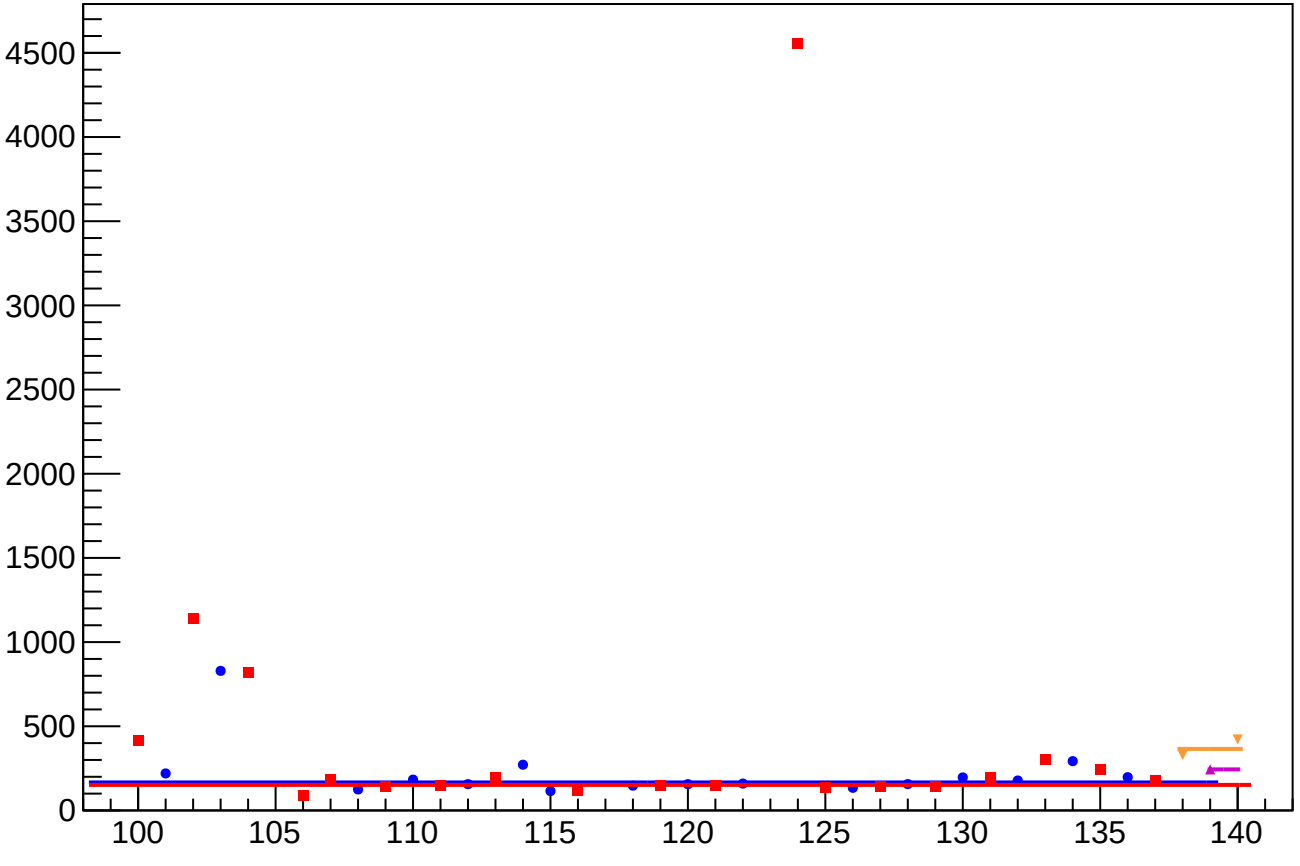
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.080+/-0.065 χ^2/NDF:18.3/16

Out: 0.041+/-0.063 χ^2/NDF:28.9/20

All: -0.017+/-0.045 χ^2/NDF: 49.1/37

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 365.501+/-0.210 χ^2/NDF:47200.8/1

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 243.806+/-0.195 χ^2/NDF:0.0/0

Left: 300.059+/-0.143 χ^2/NDF: 228023.7/2

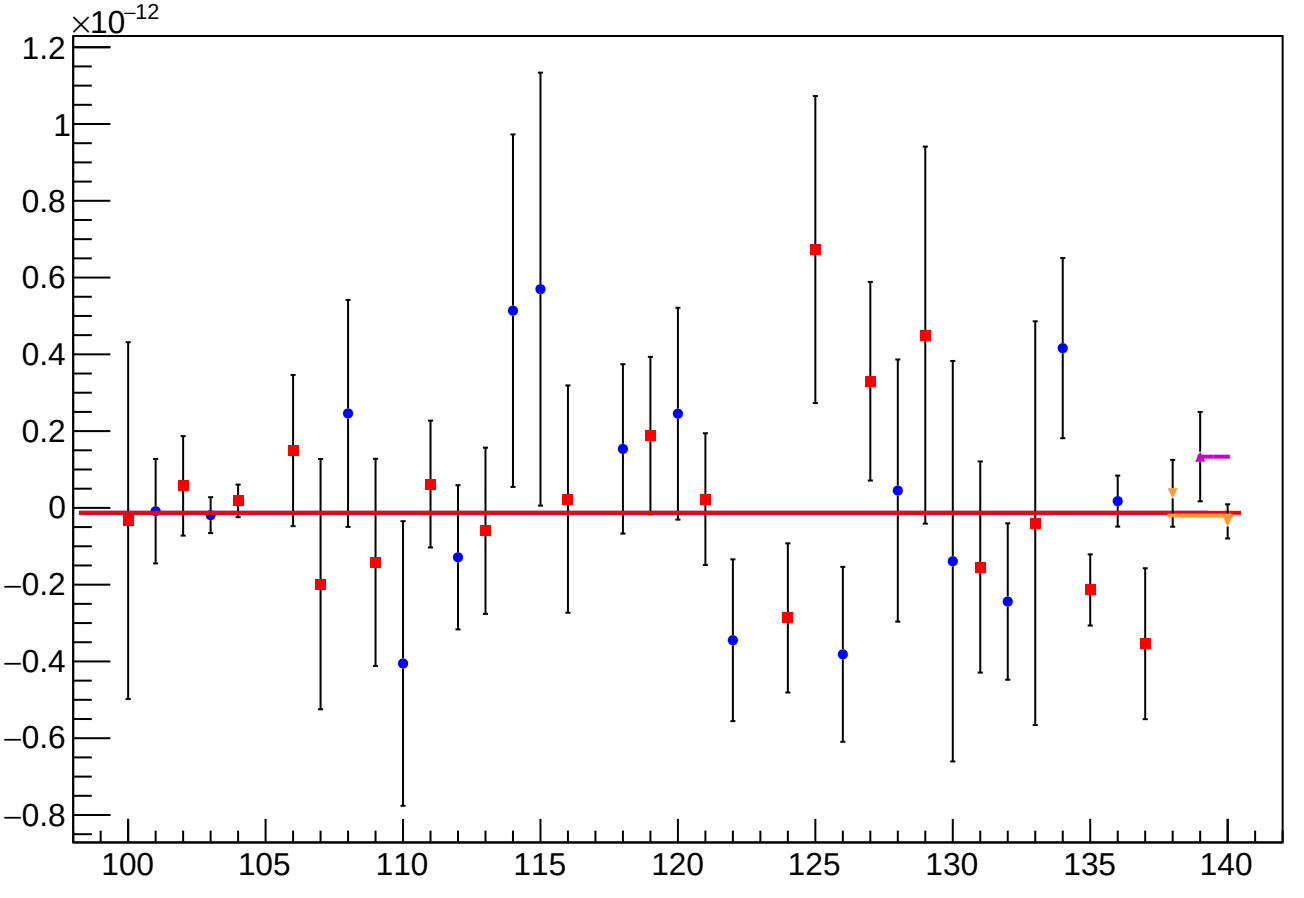
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 170.661+/-0.046 χ^2/NDF:1432358.2/16

Out: 161.292+/-0.044 χ^2/NDF:3353723.9/20

All: 165.810+/-0.032 χ^2/NDF: 4807696.6/37

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

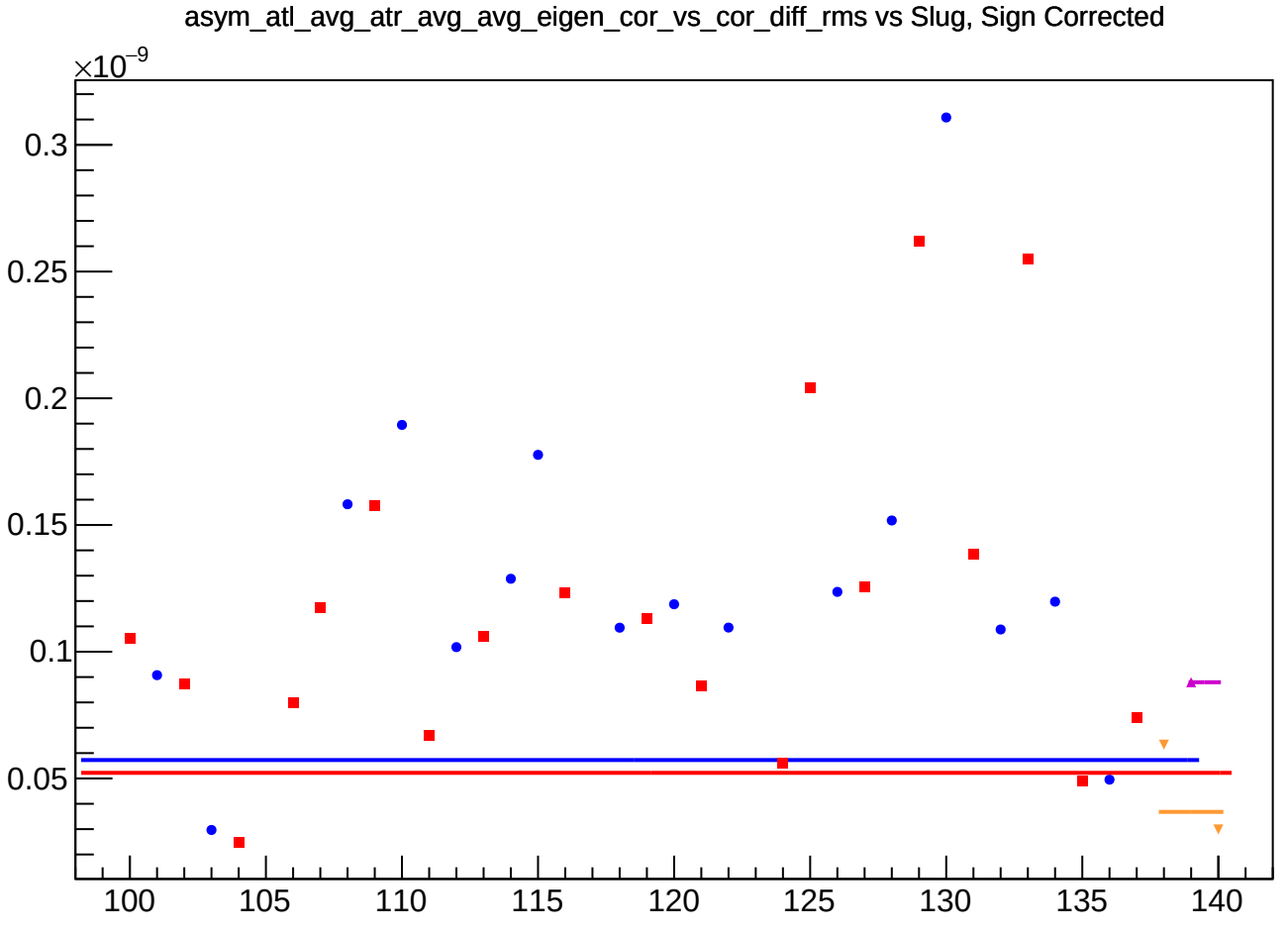
Left: -0.000+/-0.000 χ^2/NDF: 2.1/2

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:17.6/16

Out: -0.000+/-0.000 χ^2/NDF:19.5/20

All: -0.000+/-0.000 χ^2/NDF: 37.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:233907.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

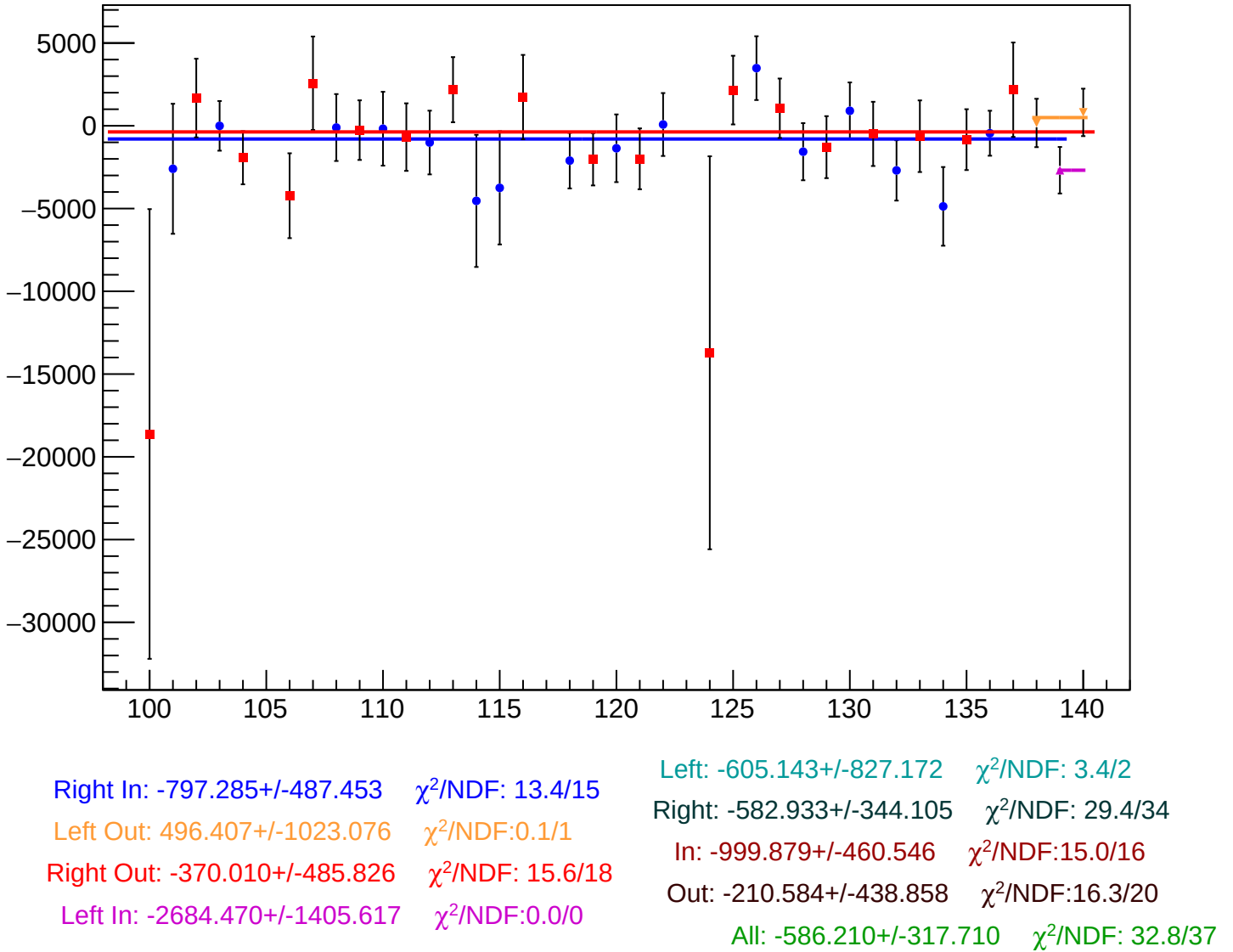
Left: 0.000+/-0.000 χ^2/NDF: 580038.7/2

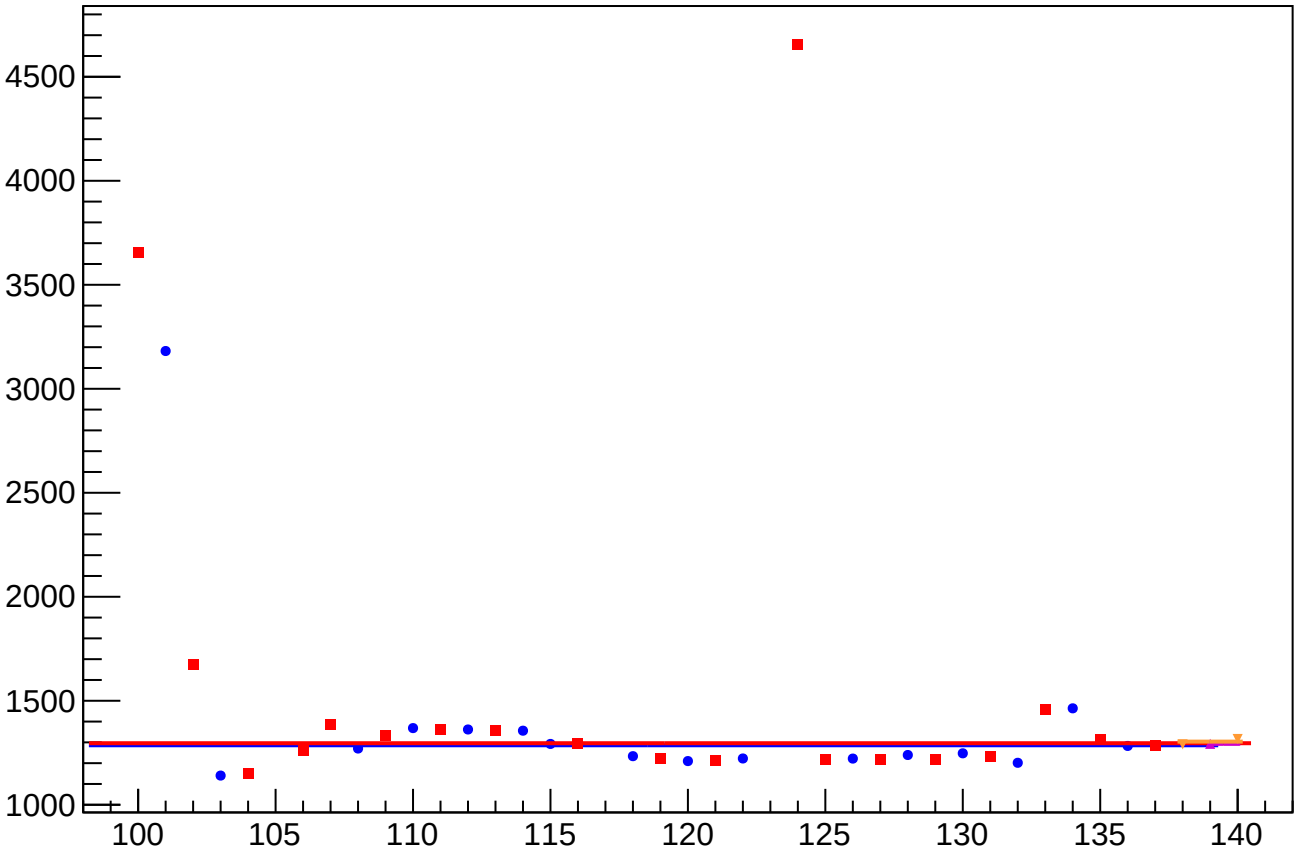
Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:3111930.1/16

Out: 0.000+/-0.000 χ^2/NDF:3706804.8/20

All: 0.000+/-0.000 χ^2/NDF: 7037751.5/37


reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: 496.407+/-1023.076 χ²/NDF:0.1/1
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -2684.470+/-1405.617 χ²/NDF:0.0/0
Left: -605.143+/-827.172 χ²/NDF: 3.4/2
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -999.879+/-460.546 χ²/NDF:15.0/16
Out: -210.584+/-438.858 χ²/NDF:16.3/20
All: -586.210+/-317.710 χ²/NDF: 32.8/37



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1303.595+/-0.723 χ^2/NDF:317.2/1

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1292.956+/-0.994 χ^2/NDF:0.0/0

Left: 1299.910+/-0.585 χ^2/NDF: 392.0/2

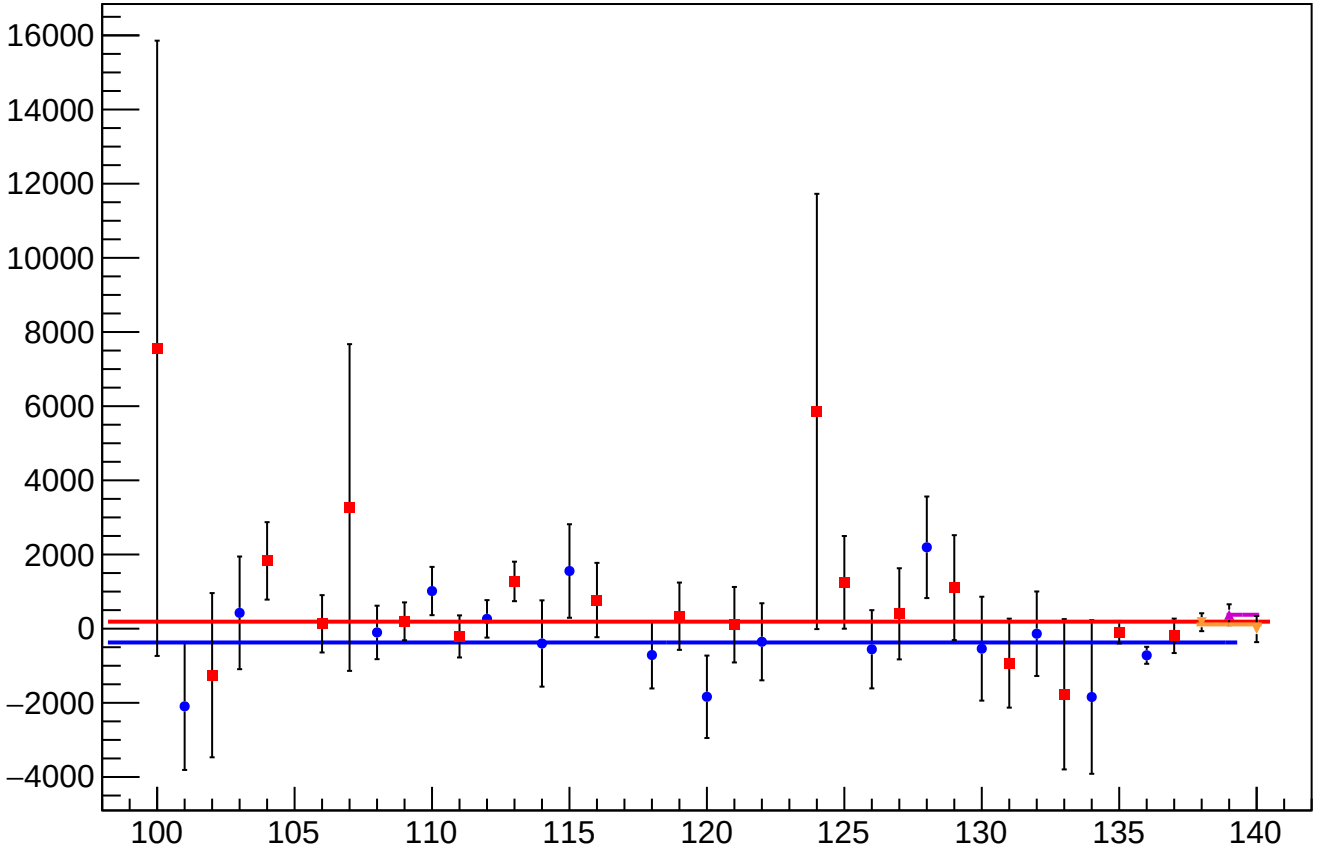
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1286.833+/-0.326 χ^2/NDF:518169.4/16

Out: 1297.351+/-0.310 χ^2/NDF:328478.4/20

All: 1292.346+/-0.225 χ^2/NDF: 847194.5/37

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 115.367+/-199.294 χ^2/NDF:0.2/1

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 375.159+/-282.187 χ^2/NDF:0.0/0

Left: 201.824+/-162.789 χ^2/NDF: 0.8/2

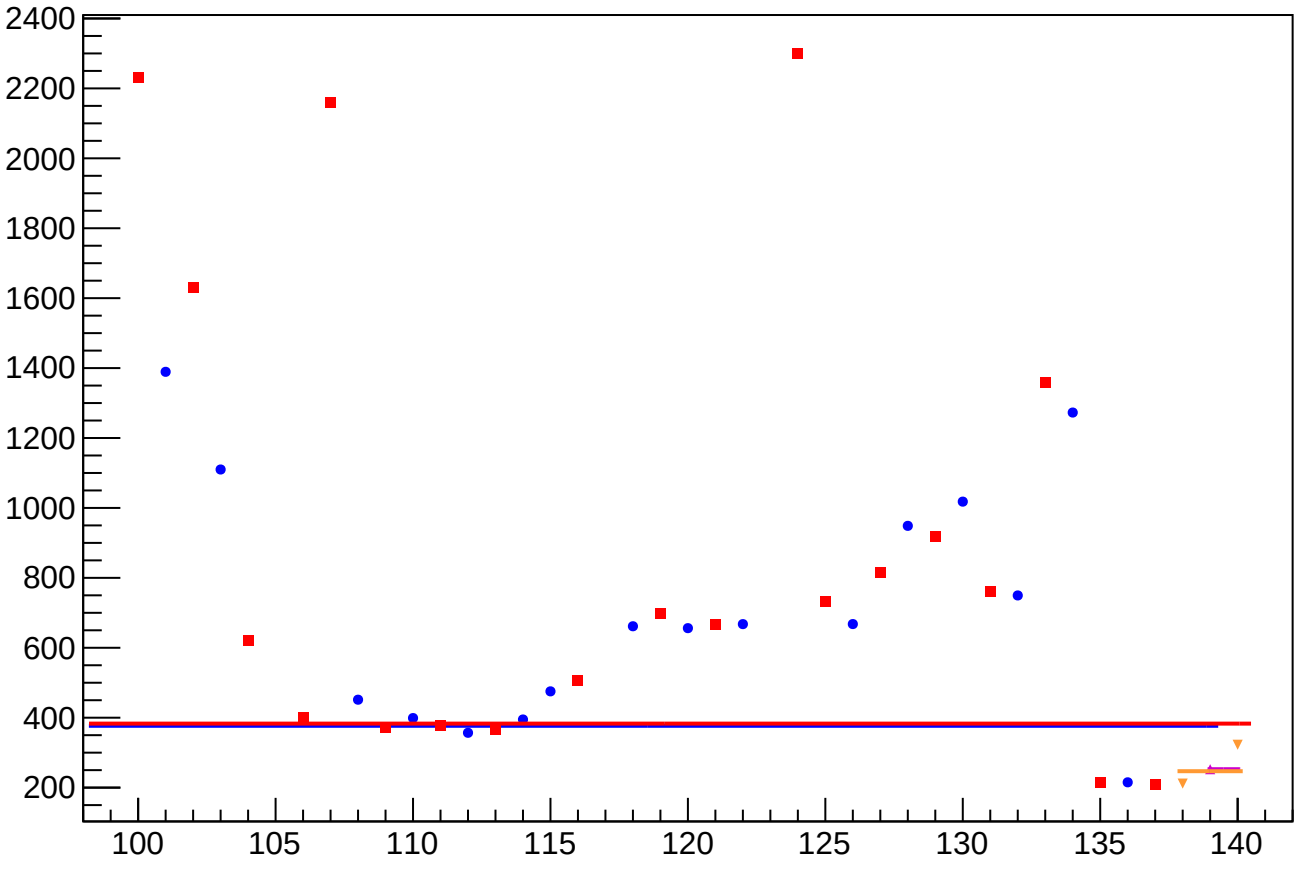
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -176.367+/-144.483 χ^2/NDF:23.3/16

Out: 158.046+/-129.150 χ^2/NDF:14.9/20

All: 9.520+/-96.289 χ^2/NDF: 41.2/37

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 246.956+/-0.141 χ^2/NDF:135028.7/1

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 252.663+/-0.200 χ^2/NDF:0.0/0

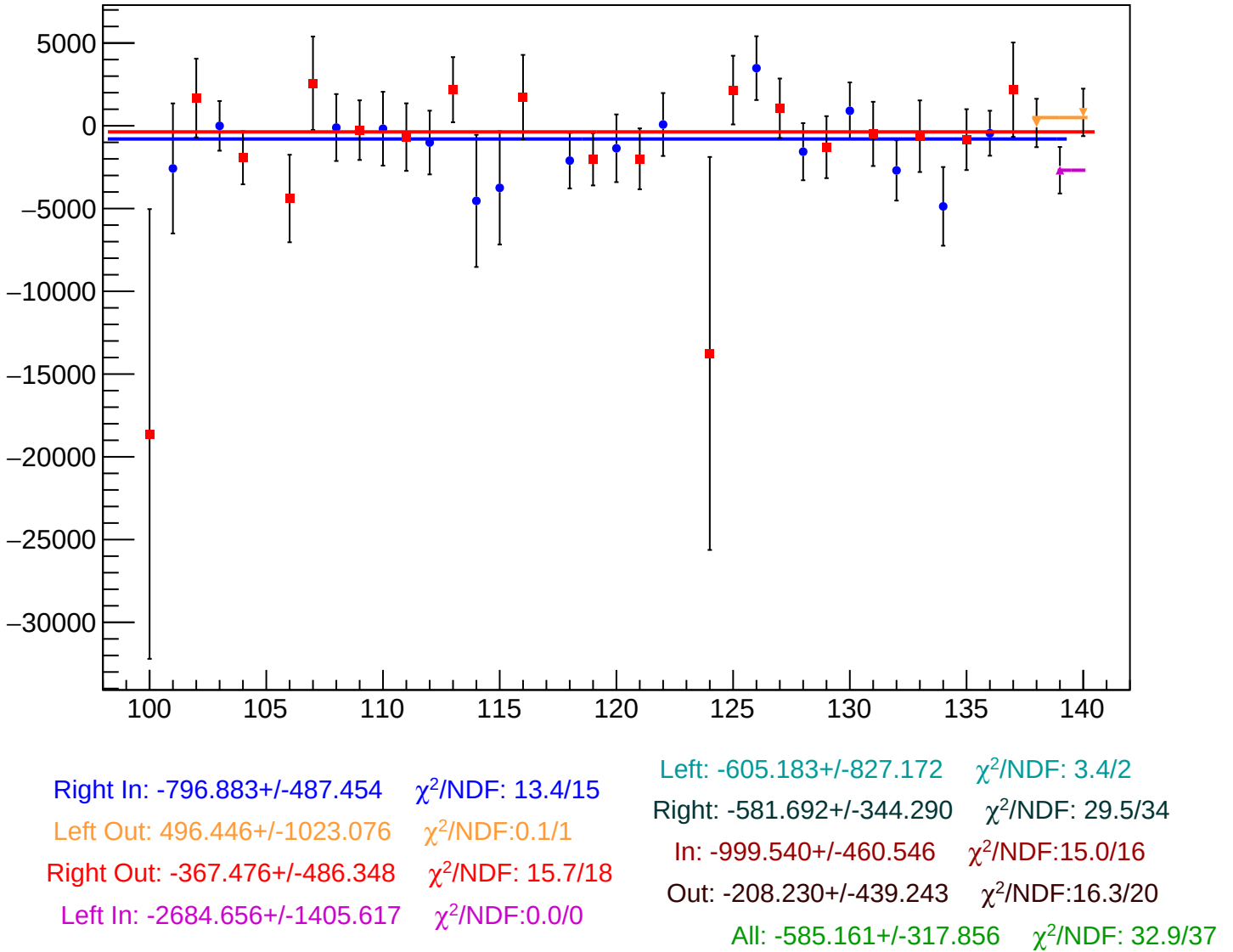
Left: 248.855+/-0.115 χ^2/NDF: 135574.4/2

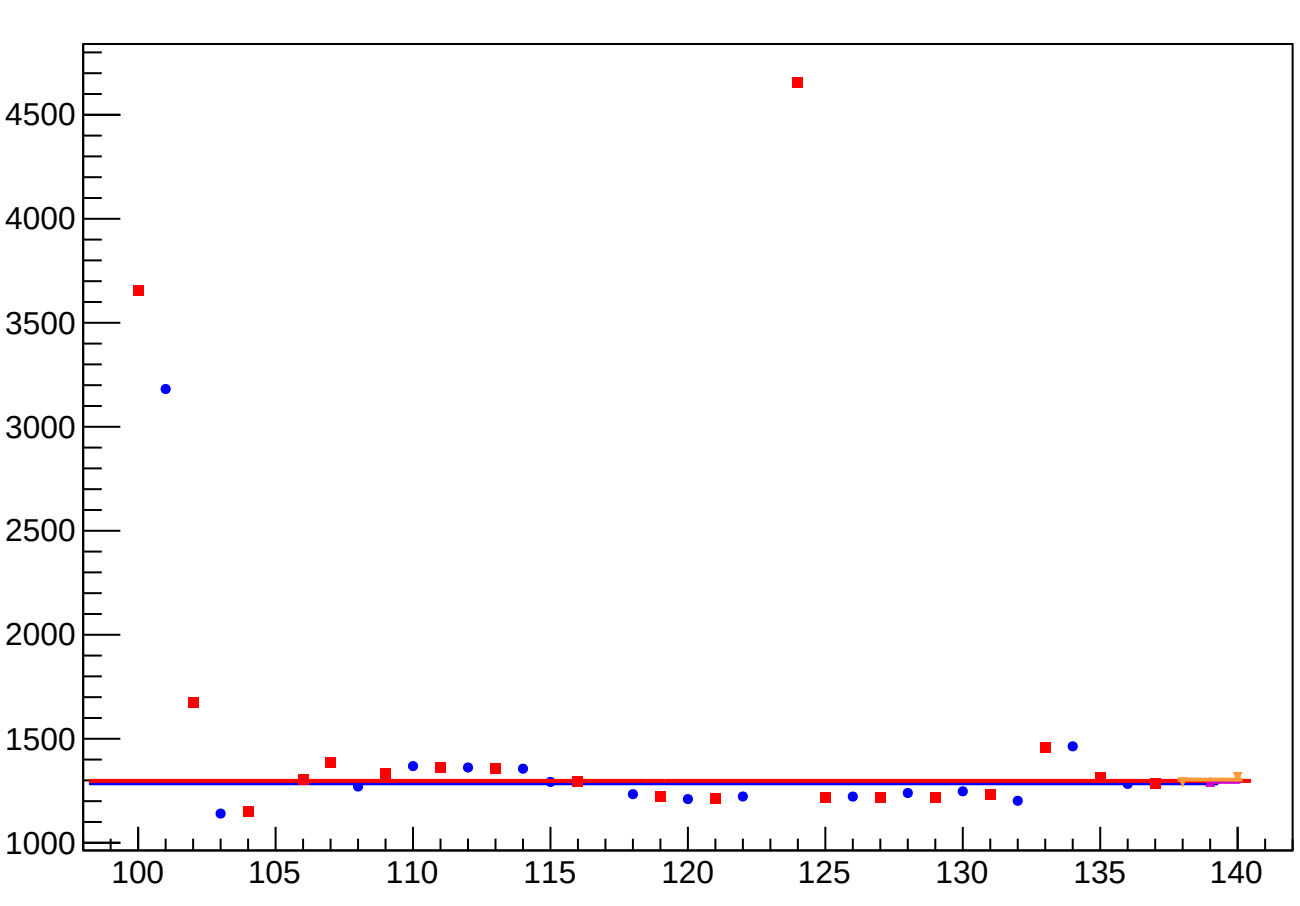
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 344.325+/-0.102 χ^2/NDF:4476196.9/16

Out: 325.911+/-0.091 χ^2/NDF:4730321.2/20

All: 334.089+/-0.068 χ^2/NDF: 9224576.2/37


cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 496.446+/-1023.076 χ²/NDF:0.1/1
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -2684.656+/-1405.617 χ²/NDF:0.0/0
Left: -605.183+/-827.172 χ²/NDF: 3.4/2
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -999.540+/-460.546 χ²/NDF:15.0/16
Out: -208.230+/-439.243 χ²/NDF:16.3/20
All: -585.161+/-317.856 χ²/NDF: 32.9/37



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1303.595+/-0.723 χ^2/NDF:317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1292.956+/-0.994 χ^2/NDF:0.0/0

Left: 1299.910+/-0.585 χ^2/NDF: 392.0/2

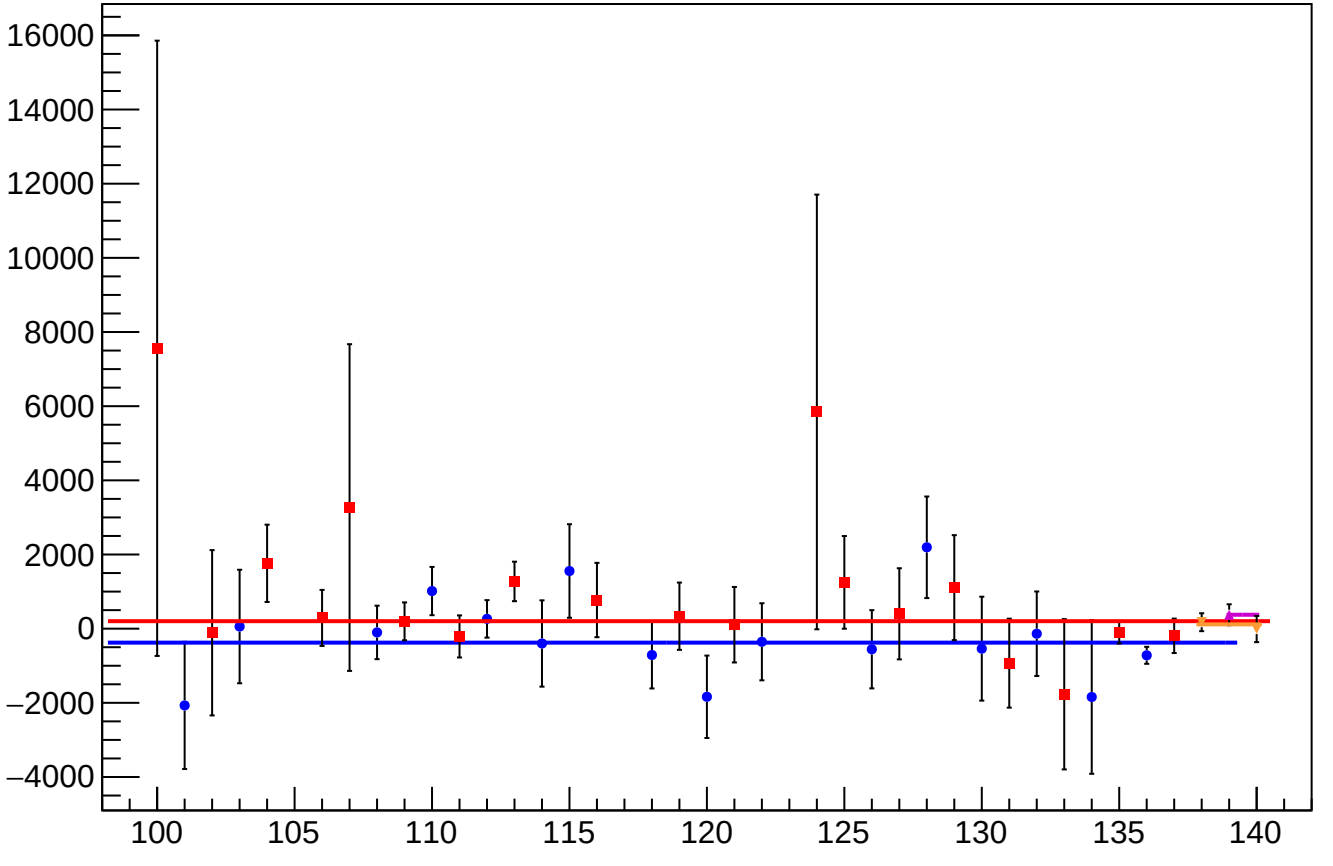
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1286.833+/-0.326 χ^2/NDF:518170.9/16

Out: 1298.537+/-0.311 χ^2/NDF:328118.8/20

All: 1292.962+/-0.225 χ^2/NDF: 846966.0/37

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 115.438+/-199.299 χ^2/NDF:0.2/1

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 375.081+/-282.191 χ^2/NDF:0.0/0

Left: 201.847+/-162.792 χ^2/NDF: 0.8/2

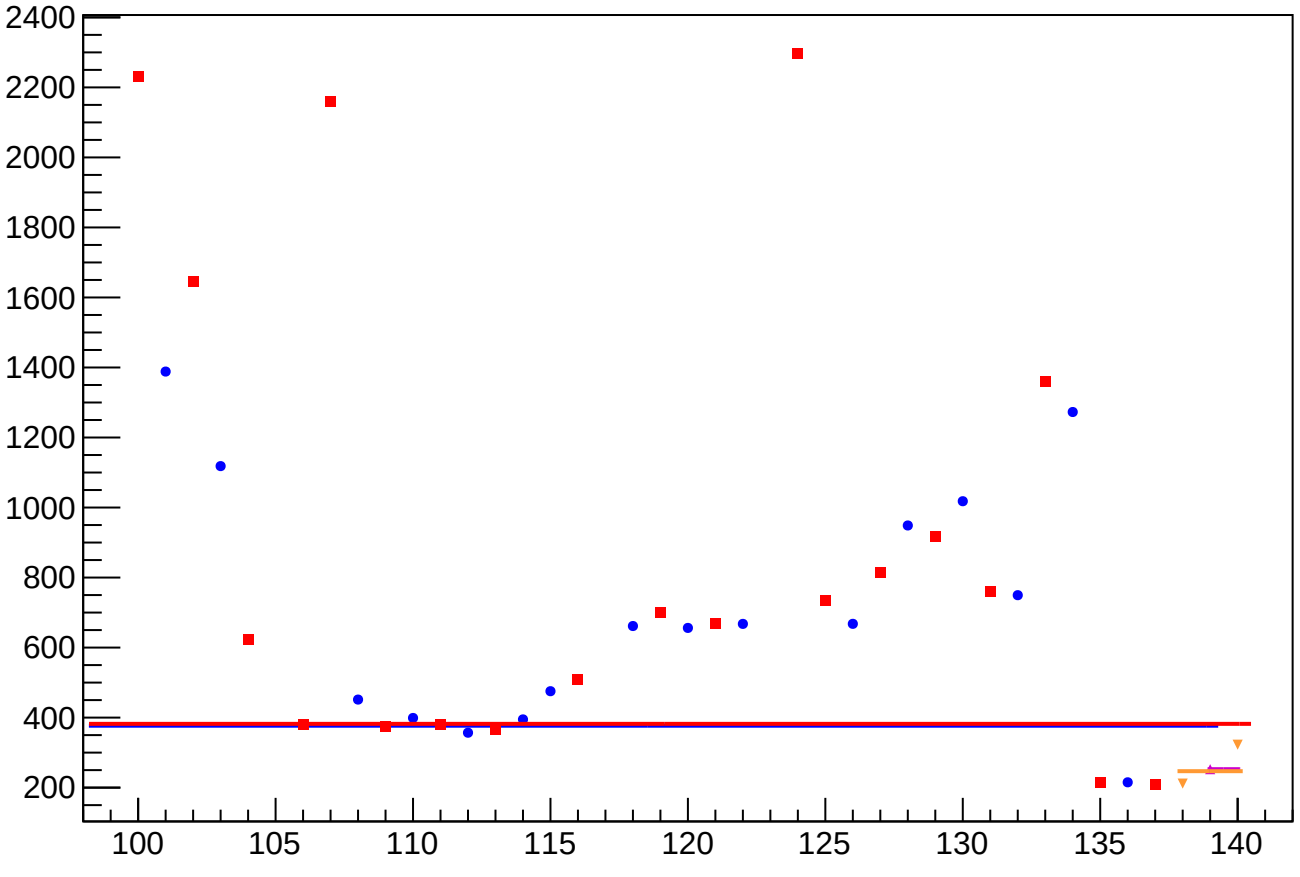
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -179.638+/-144.496 χ^2/NDF:23.2/16

Out: 165.782+/-129.064 χ^2/NDF:14.3/20

All: 12.497+/-96.257 χ^2/NDF: 40.7/37

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 246.964+/-0.141 χ^2/NDF:135035.0/1

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 252.667+/-0.200 χ^2/NDF:0.0/0

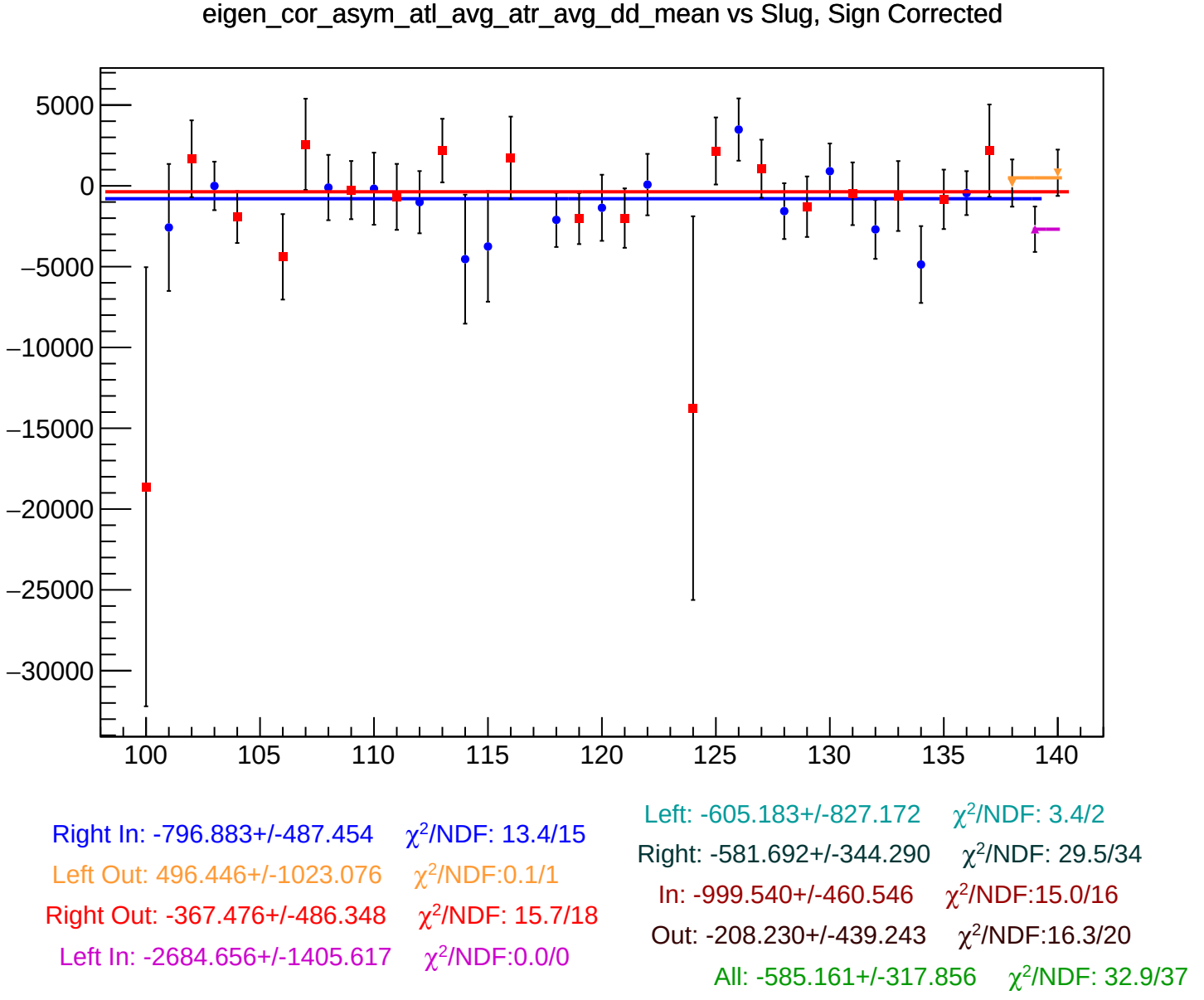
Left: 248.862+/-0.115 χ^2/NDF: 135580.0/2

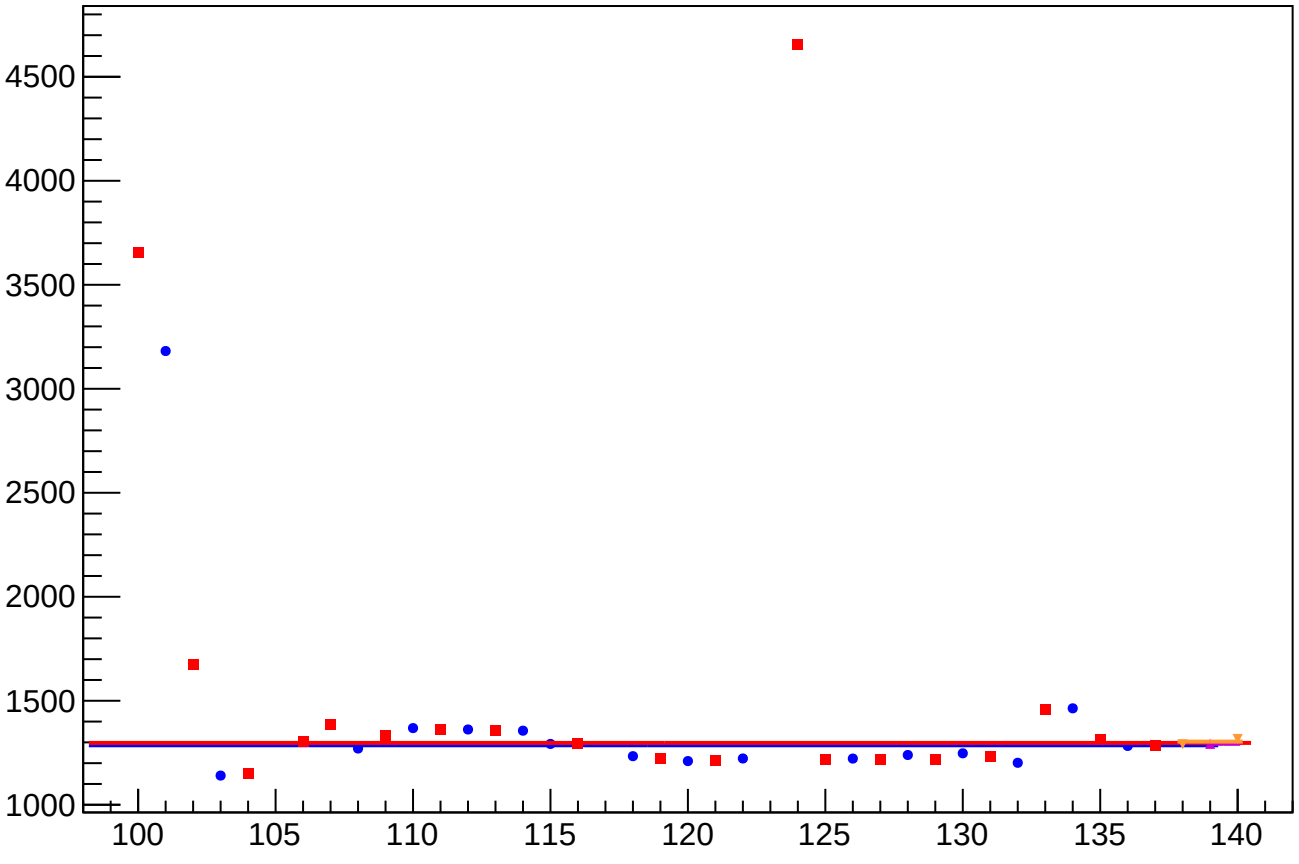
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 344.315+/-0.102 χ^2/NDF:4479250.1/16

Out: 325.449+/-0.091 χ^2/NDF:4728821.9/20

All: 333.821+/-0.068 χ^2/NDF: 9227036.3/37


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 496.446+/-1023.076 χ²/NDF:0.1/1
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -2684.656+/-1405.617 χ²/NDF:0.0/0
Left: -605.183+/-827.172 χ²/NDF: 3.4/2
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -999.540+/-460.546 χ²/NDF:15.0/16
Out: -208.230+/-439.243 χ²/NDF:16.3/20
All: -585.161+/-317.856 χ²/NDF: 32.9/37



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1303.595+/-0.723 χ^2/NDF:317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1292.956+/-0.994 χ^2/NDF:0.0/0

Left: 1299.910+/-0.585 χ^2/NDF: 392.0/2

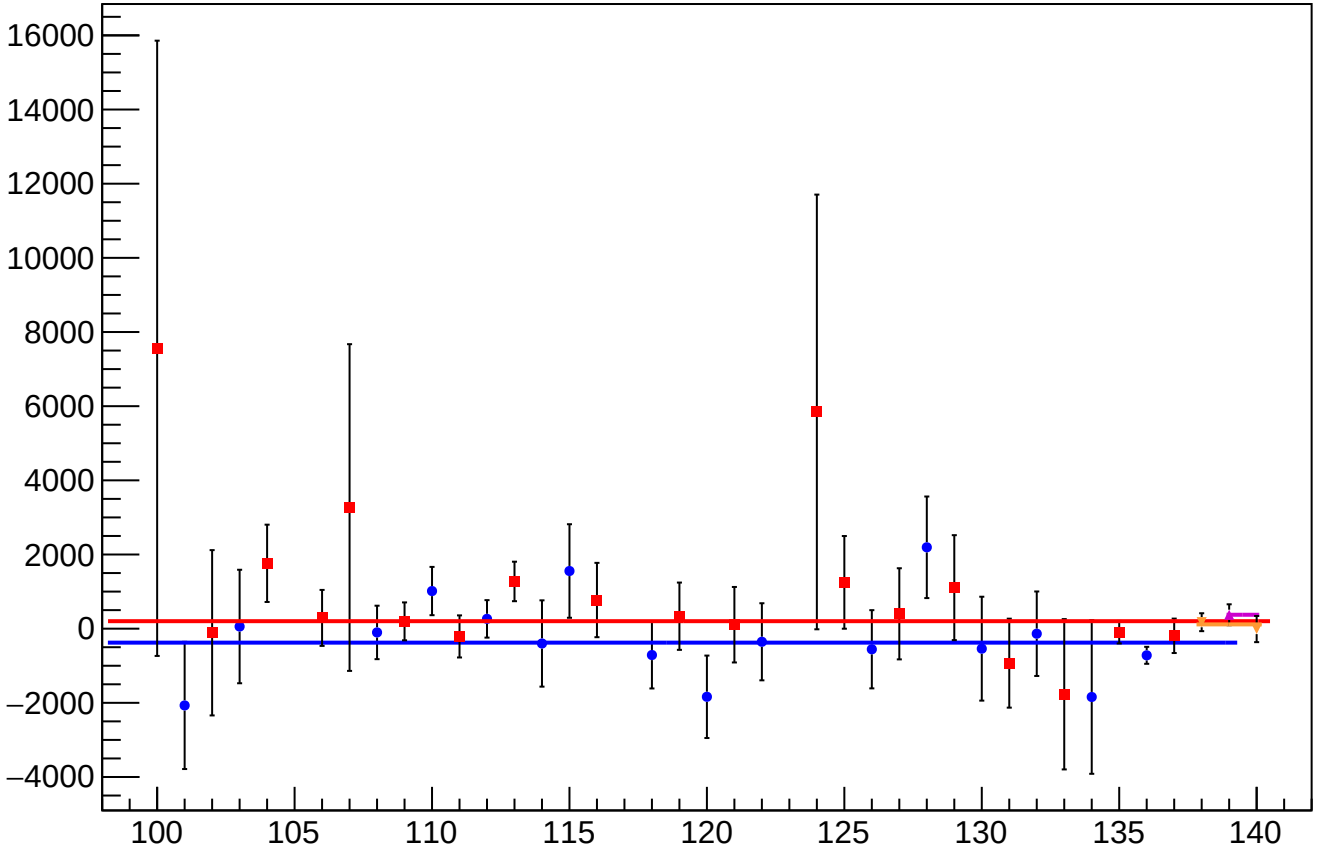
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1286.833+/-0.326 χ^2/NDF:518170.9/16

Out: 1298.537+/-0.311 χ^2/NDF:328118.8/20

All: 1292.962+/-0.225 χ^2/NDF: 846966.0/37

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 115.438+/-199.299 χ^2/NDF:0.2/1

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 375.081+/-282.191 χ^2/NDF:0.0/0

Left: 201.847+/-162.792 χ^2/NDF: 0.8/2

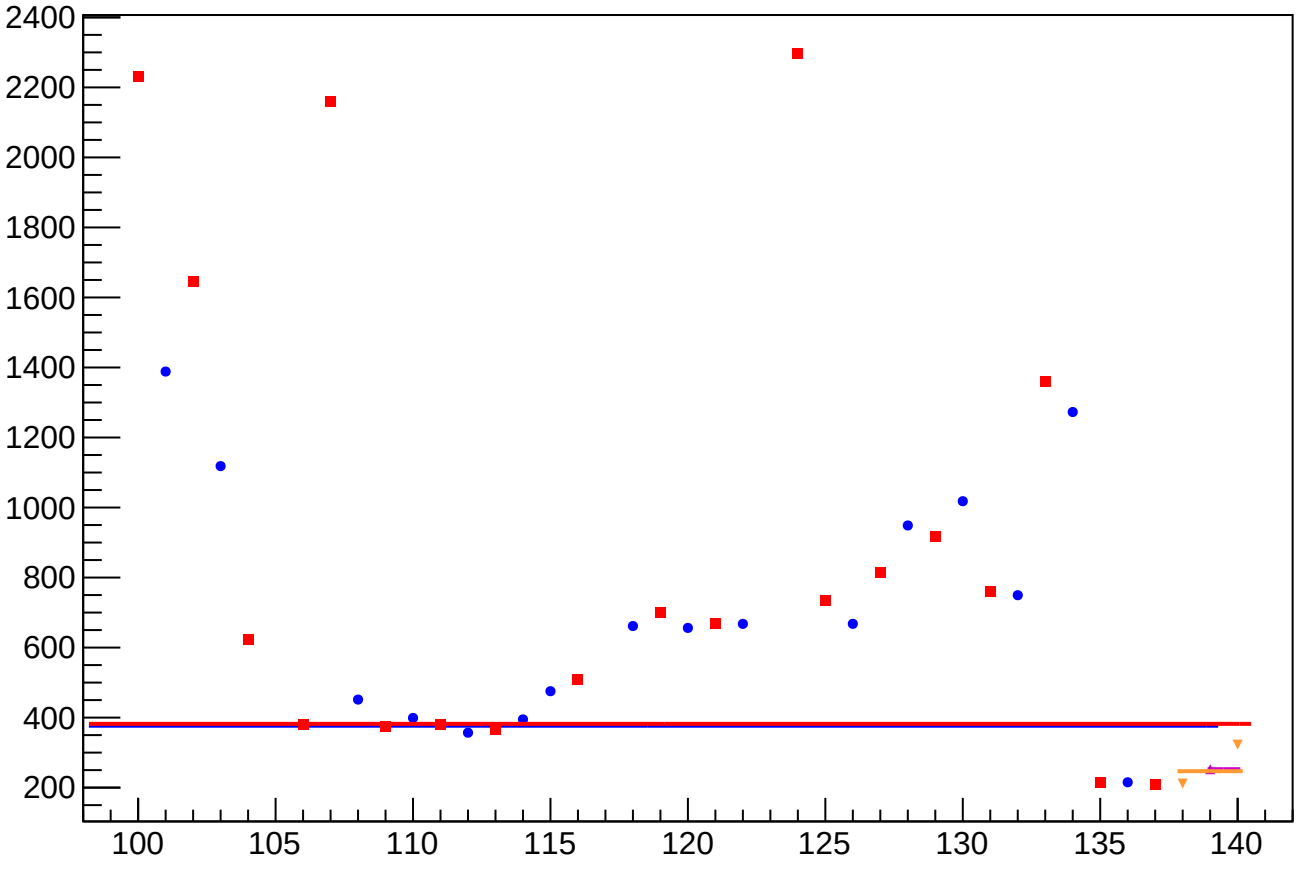
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -179.638+/-144.496 χ^2/NDF:23.2/16

Out: 165.782+/-129.064 χ^2/NDF:14.3/20

All: 12.497+/-96.257 χ^2/NDF: 40.7/37

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 246.964+/-0.141 χ^2/NDF:135035.0/1

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 252.667+/-0.200 χ^2/NDF:0.0/0

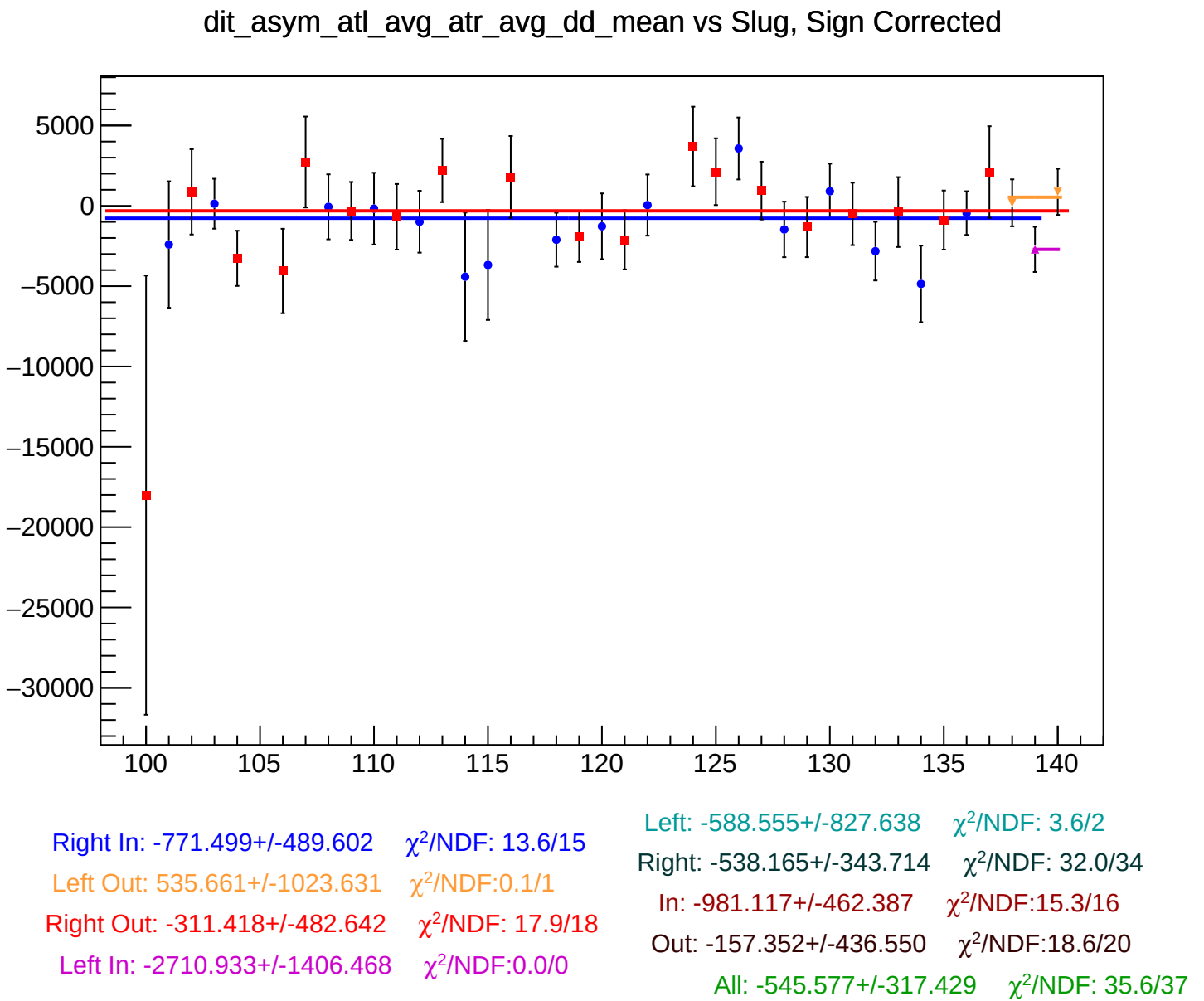
Left: 248.862+/-0.115 χ^2/NDF: 135580.0/2

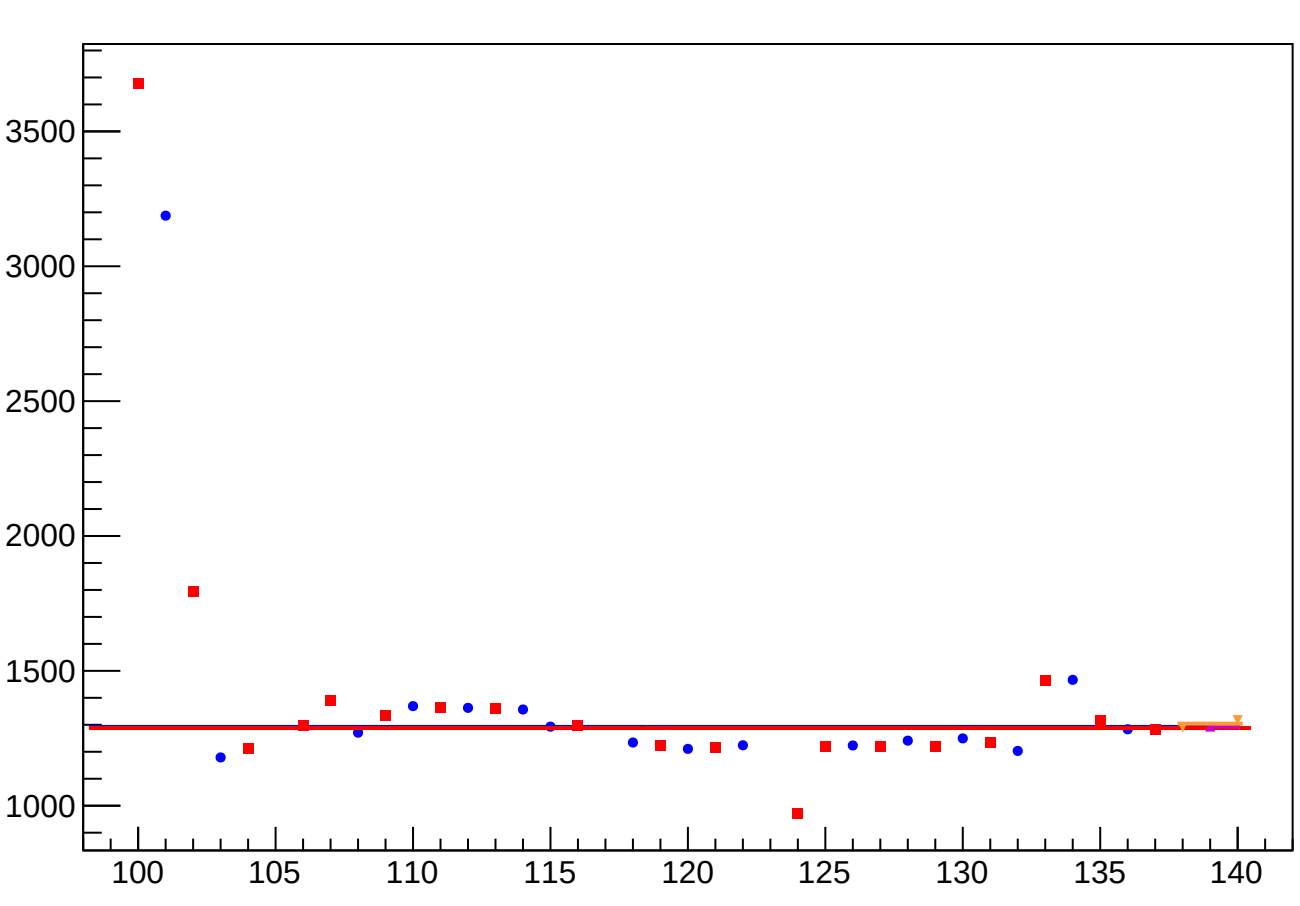
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 344.315+/-0.102 χ^2/NDF:4479250.1/16

Out: 325.449+/-0.091 χ^2/NDF:4728821.9/20

All: 333.821+/-0.068 χ^2/NDF: 9227036.3/37


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 535.661+/-1023.631 χ²/NDF:0.1/1
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -2710.933+/-1406.468 χ²/NDF:0.0/0
Left: -588.555+/-827.638 χ²/NDF: 3.6/2
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -981.117+/-462.387 χ²/NDF:15.3/16
Out: -157.352+/-436.550 χ²/NDF:18.6/20
All: -545.577+/-317.429 χ²/NDF: 35.6/37



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1304.299+/-0.724 χ^2/NDF:331.7/1

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1293.708+/-0.995 χ^2/NDF:0.0/0

Left: 1300.631+/-0.585 χ^2/NDF: 405.8/2

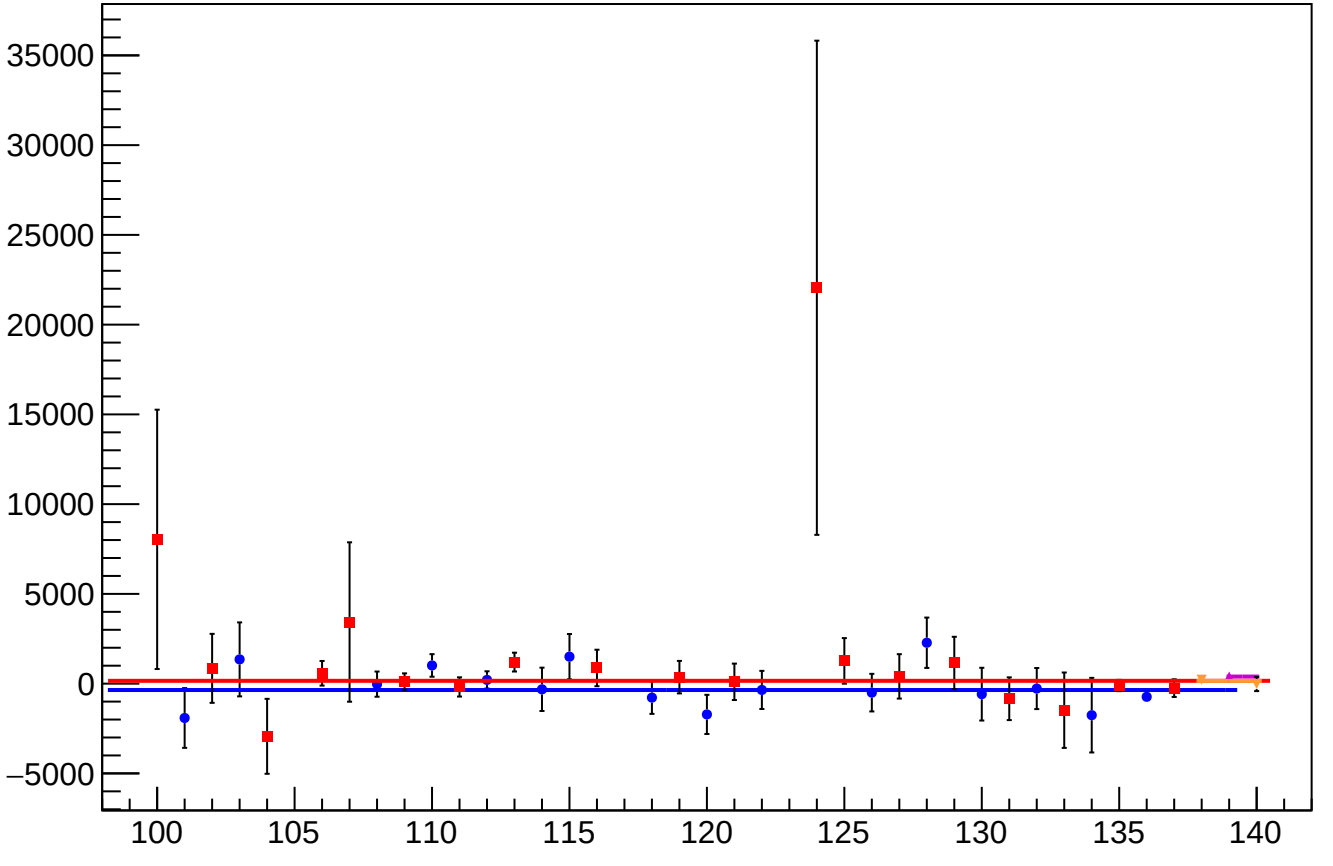
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1292.218+/-0.327 χ^2/NDF:509408.8/16

Out: 1290.955+/-0.309 χ^2/NDF:209955.9/20

All: 1291.550+/-0.224 χ^2/NDF: 719372.6/37

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 151.762+/-207.157 χ^2/NDF:0.3/1

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 395.117+/-276.910 χ^2/NDF:0.0/0

Left: 239.086+/-165.876 χ^2/NDF: 0.8/2

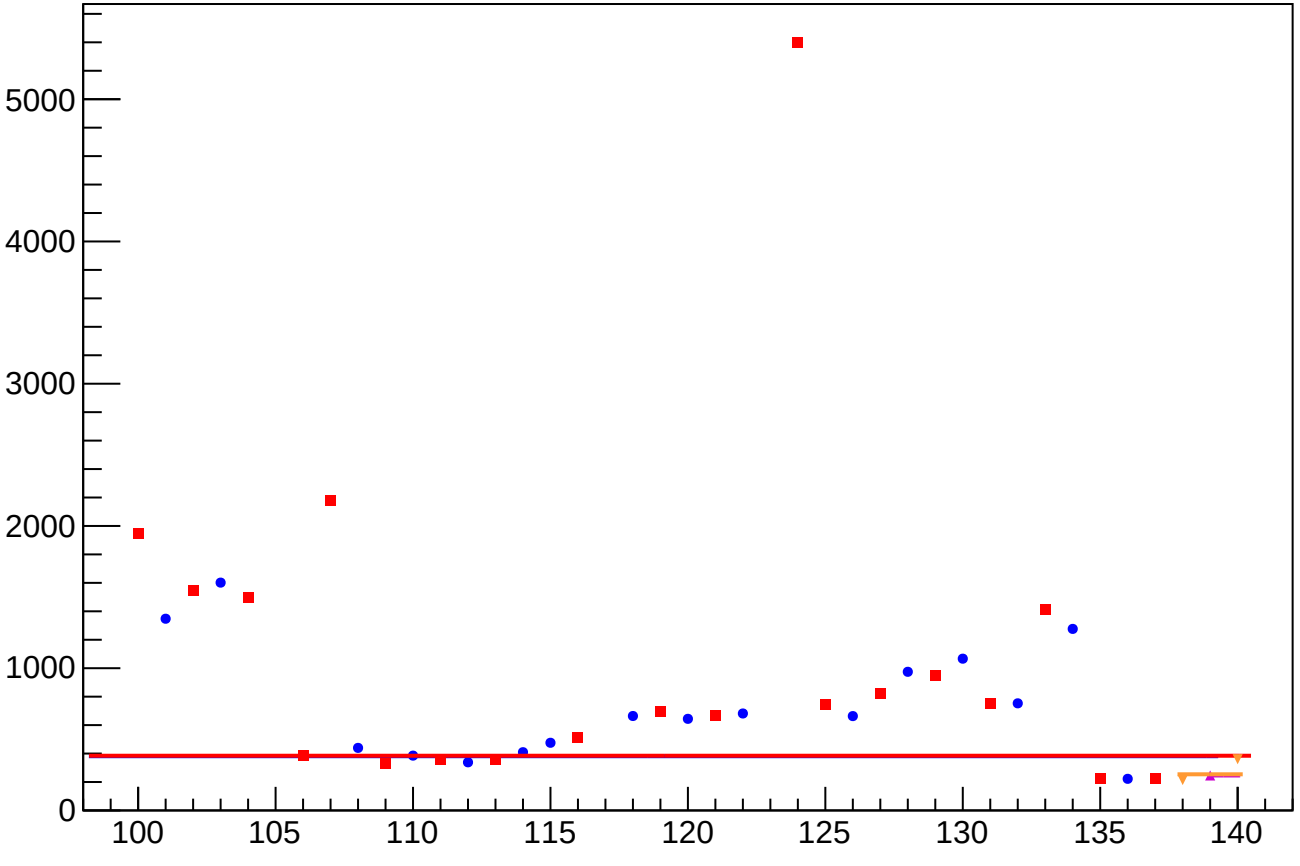
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -149.888+/-144.858 χ^2/NDF:23.8/16

Out: 155.450+/-131.259 χ^2/NDF:16.1/20

All: 17.783+/-97.268 χ^2/NDF: 42.3/37

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 254.208+/-0.146 χ^2/NDF:200321.8/1

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 245.944+/-0.196 χ^2/NDF:0.0/0

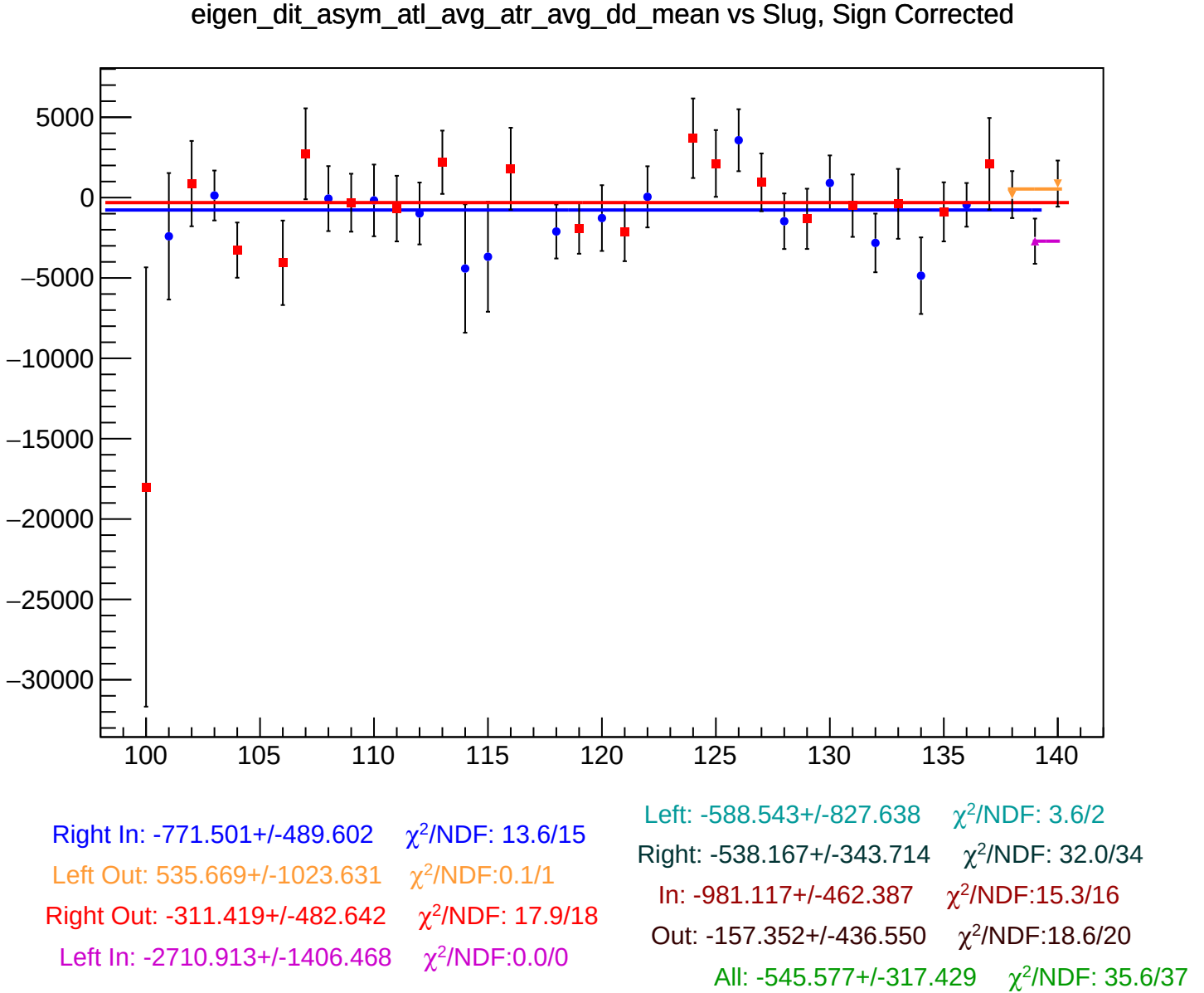
Left: 251.243+/-0.117 χ^2/NDF: 201463.9/2

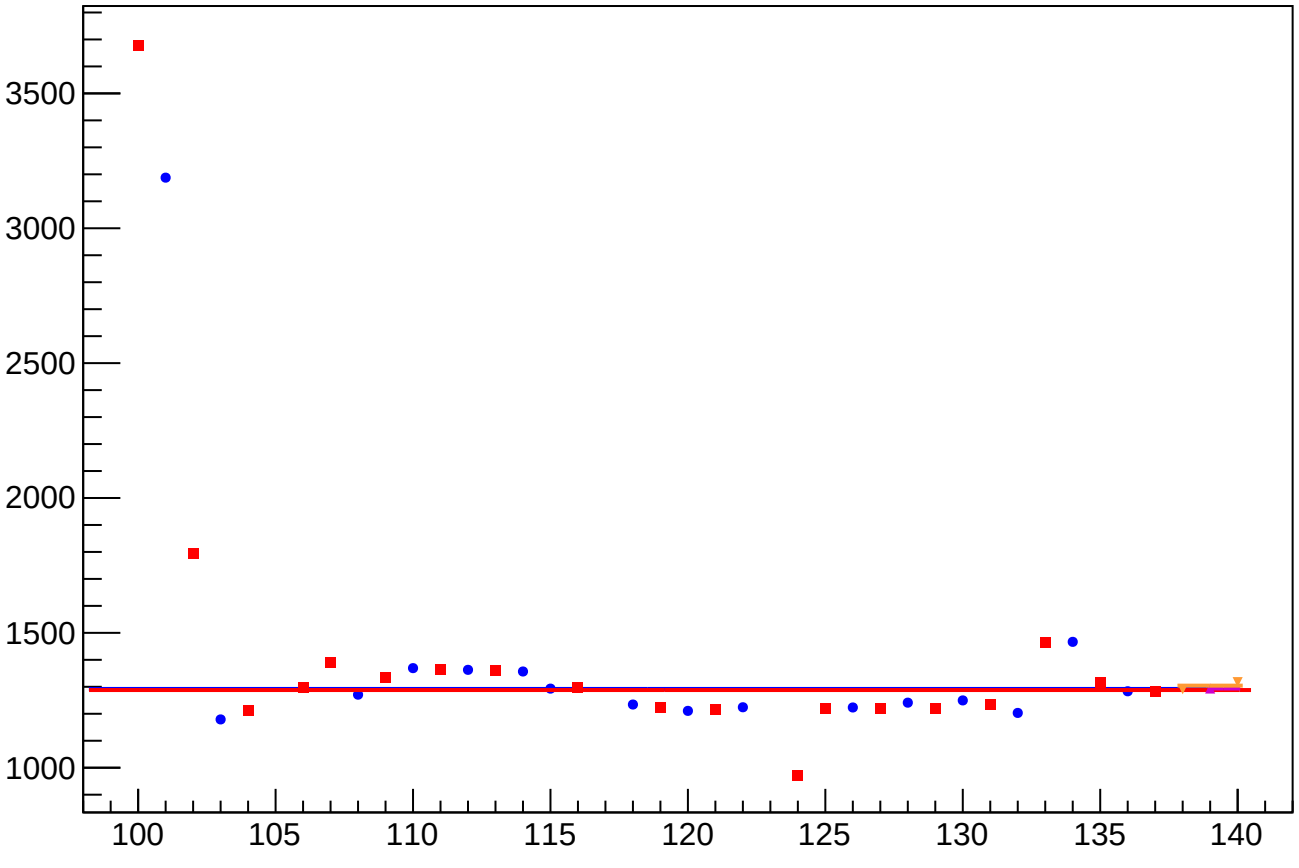
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 344.294+/-0.102 χ^2/NDF:4665267.9/16

Out: 332.281+/-0.093 χ^2/NDF:5235153.7/20

All: 337.697+/-0.069 χ^2/NDF: 9907975.4/37


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 535.669+/-1023.631 χ²/NDF:0.1/1
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -2710.913+/-1406.468 χ²/NDF:0.0/0
Left: -588.543+/-827.638 χ²/NDF: 3.6/2
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -981.117+/-462.387 χ²/NDF:15.3/16
Out: -157.352+/-436.550 χ²/NDF:18.6/20
All: -545.577+/-317.429 χ²/NDF: 35.6/37



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1304.299+/-0.724 χ^2/NDF:331.7/1

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1293.708+/-0.995 χ^2/NDF:0.0/0

Left: 1300.631+/-0.585 χ^2/NDF: 405.8/2

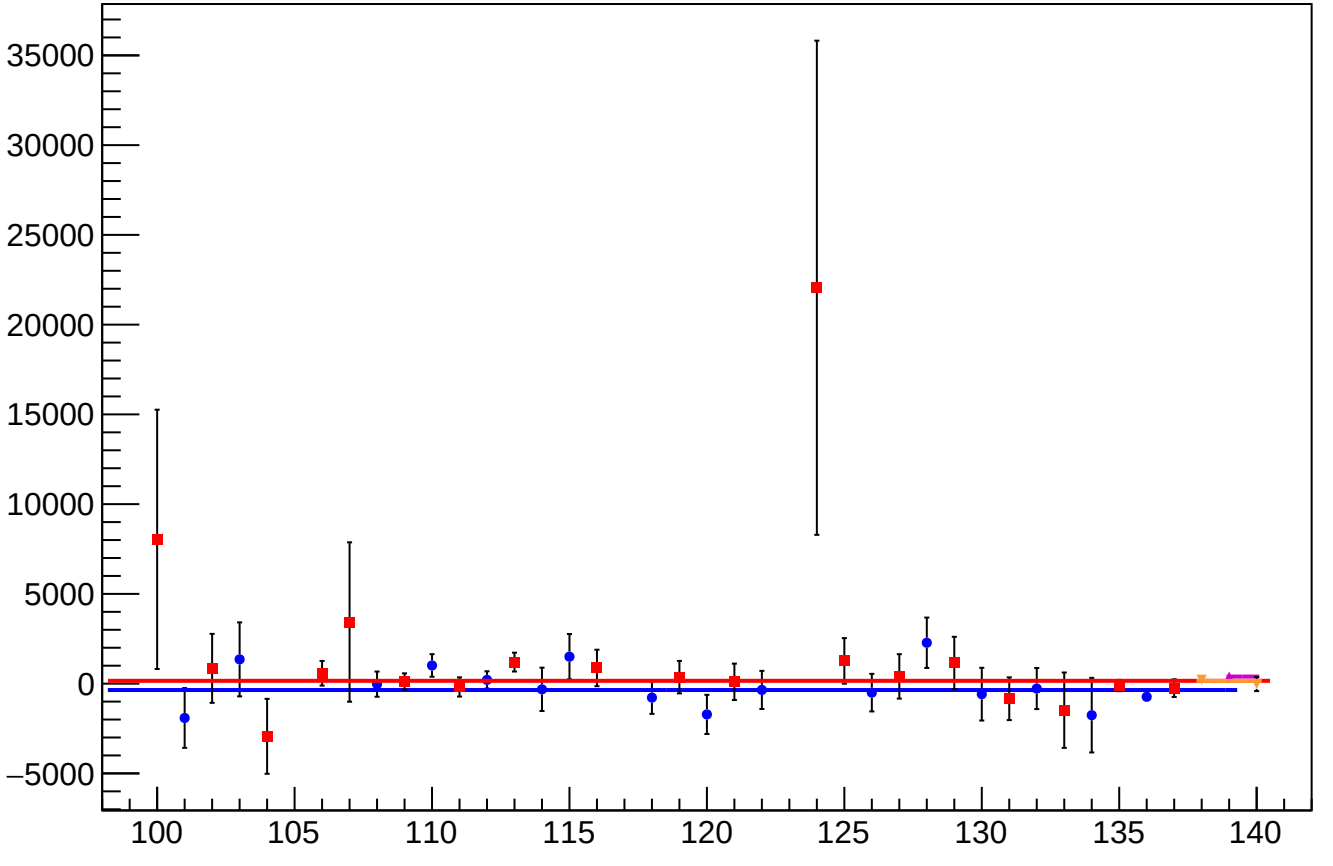
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1292.218+/-0.327 χ^2/NDF:509408.8/16

Out: 1290.955+/-0.309 χ^2/NDF:209956.2/20

All: 1291.550+/-0.224 χ^2/NDF: 719372.8/37

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 151.769+/-207.167 χ^2/NDF:0.3/1

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 395.143+/-276.926 χ^2/NDF:0.0/0

Left: 239.098+/-165.885 χ^2/NDF: 0.8/2

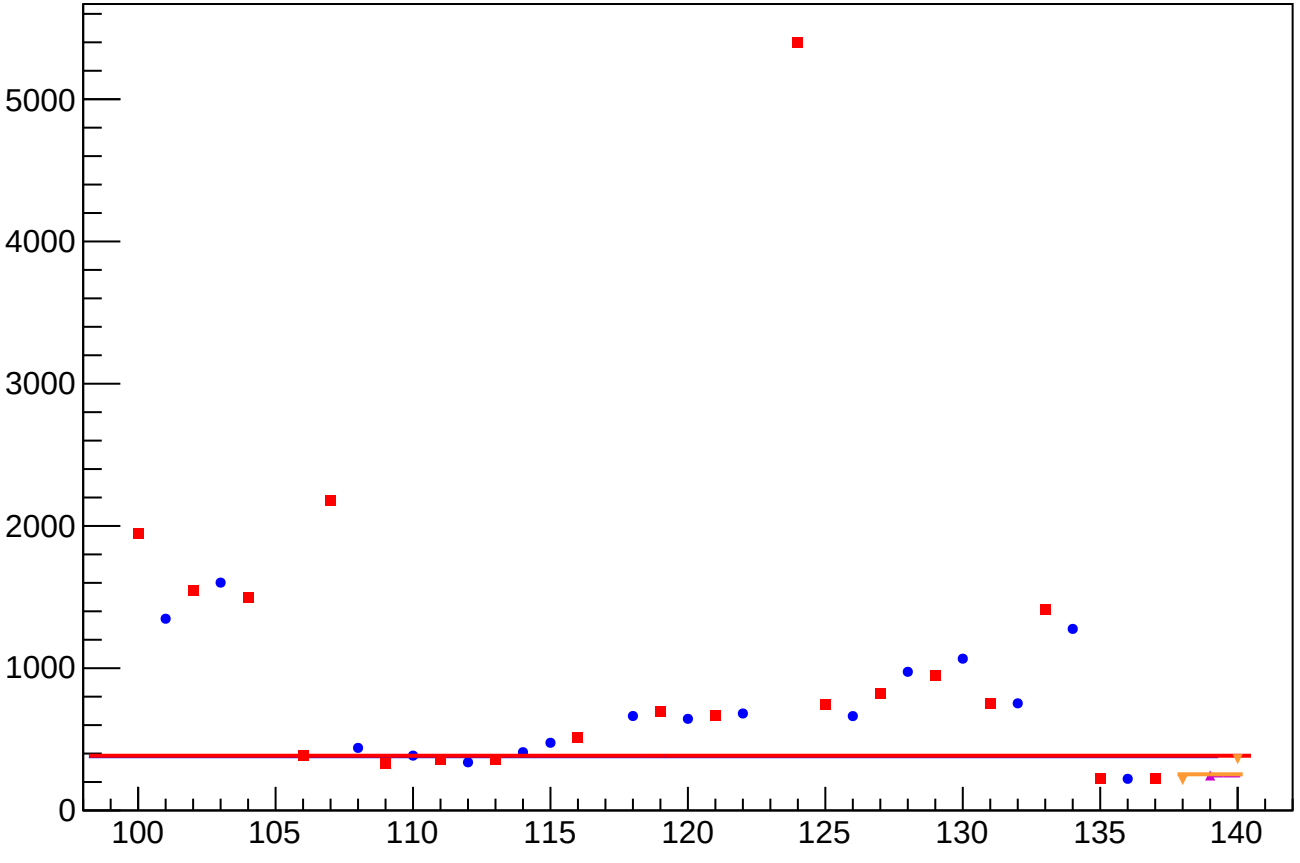
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -149.893+/-144.863 χ^2/NDF:23.8/16

Out: 155.456+/-131.263 χ^2/NDF:16.1/20

All: 17.784+/-97.270 χ^2/NDF: 42.3/37

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 254.222+/-0.146 χ^2/NDF:200287.0/1

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 245.960+/-0.196 χ^2/NDF:0.0/0

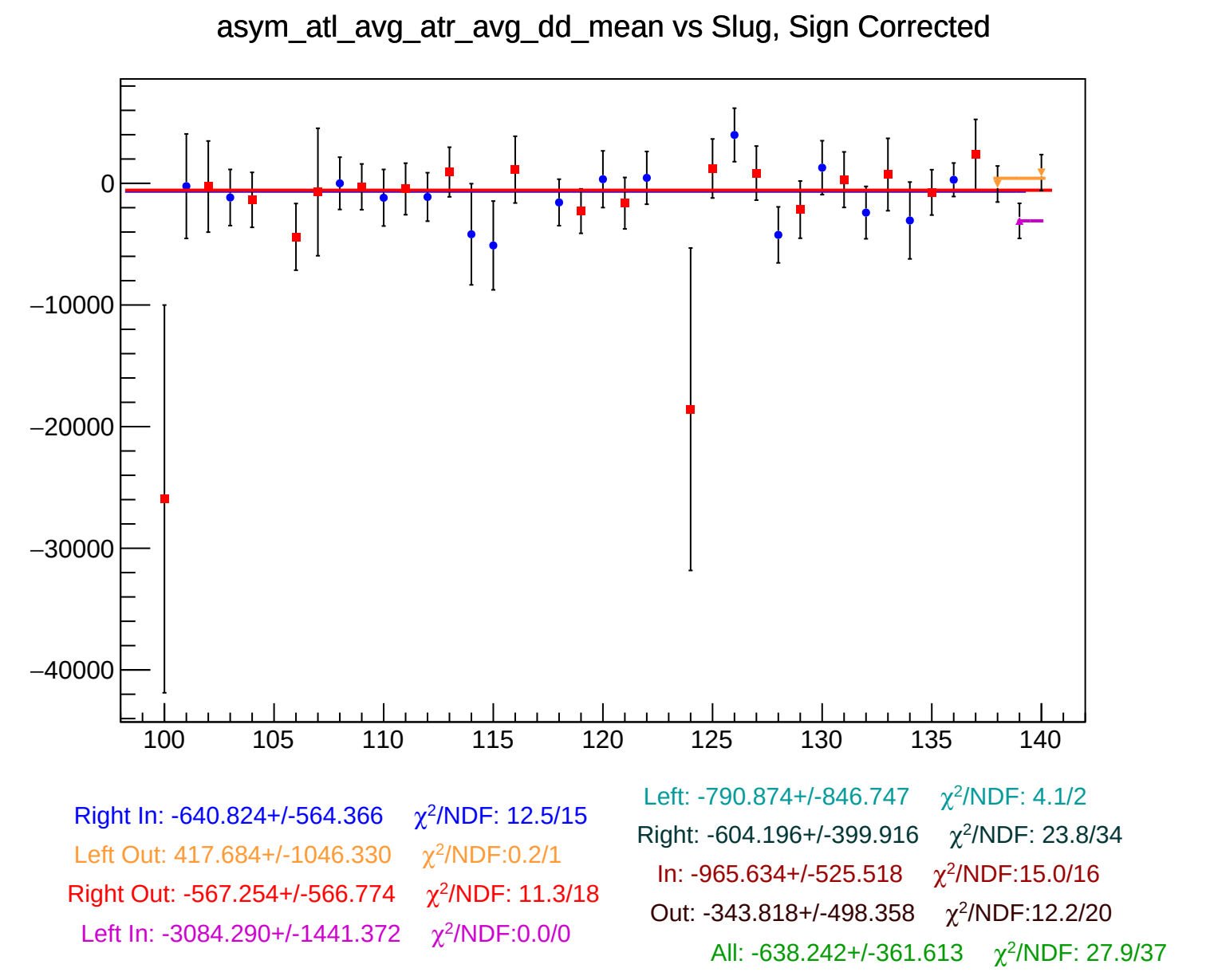
Left: 251.257+/-0.117 χ^2/NDF: 201428.4/2

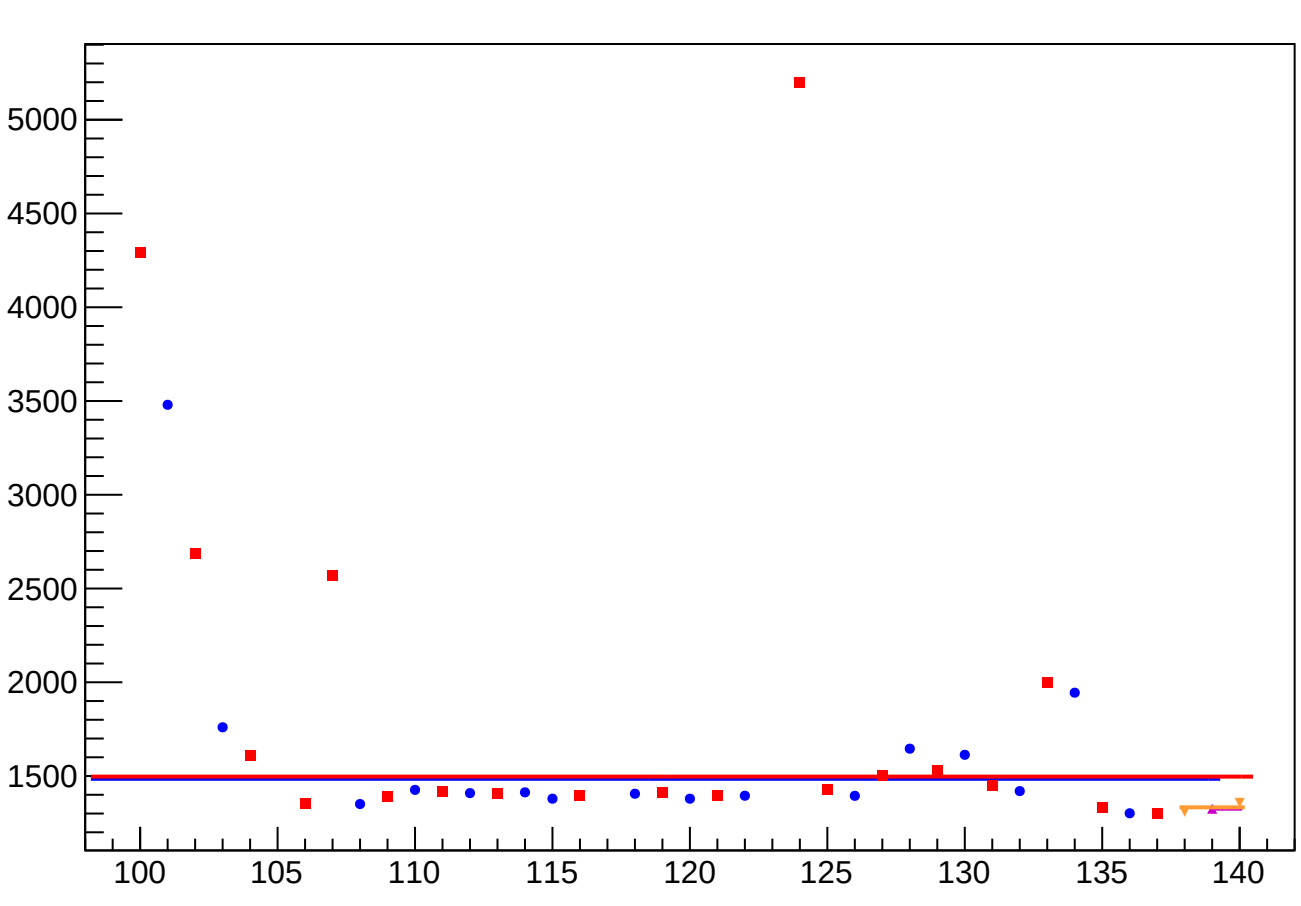
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 344.308+/-0.102 χ^2/NDF:4665020.6/16

Out: 332.293+/-0.093 χ^2/NDF:5234904.4/20

All: 337.710+/-0.069 χ^2/NDF: 9907480.4/37


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: 417.684+/-1046.330 χ²/NDF:0.2/1
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -3084.290+/-1441.372 χ²/NDF:0.0/0
Left: -790.874+/-846.747 χ²/NDF: 4.1/2
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -965.634+/-525.518 χ²/NDF:15.0/16
Out: -343.818+/-498.358 χ²/NDF:12.2/20
All: -638.242+/-361.613 χ²/NDF: 27.9/37



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1333.065+/-0.740 χ^2/NDF:1034.5/1

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1325.625+/-1.019 χ^2/NDF:0.0/0

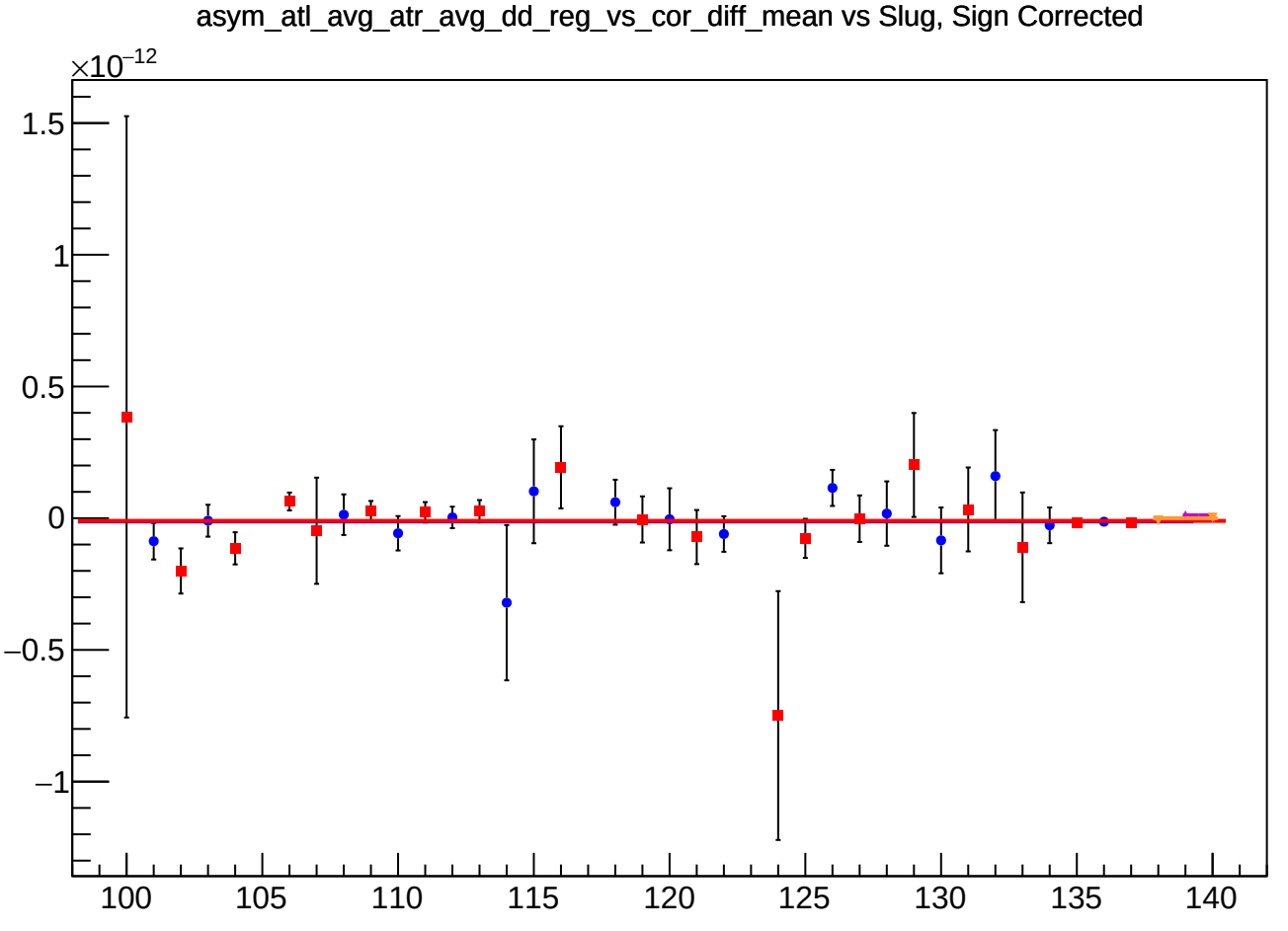
Left: 1330.498+/-0.599 χ^2/NDF: 1069.4/2

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1464.135+/-0.372 χ^2/NDF:605770.5/16

Out: 1459.707+/-0.352 χ^2/NDF:662222.3/20

All: 1461.804+/-0.256 χ^2/NDF: 1268067.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

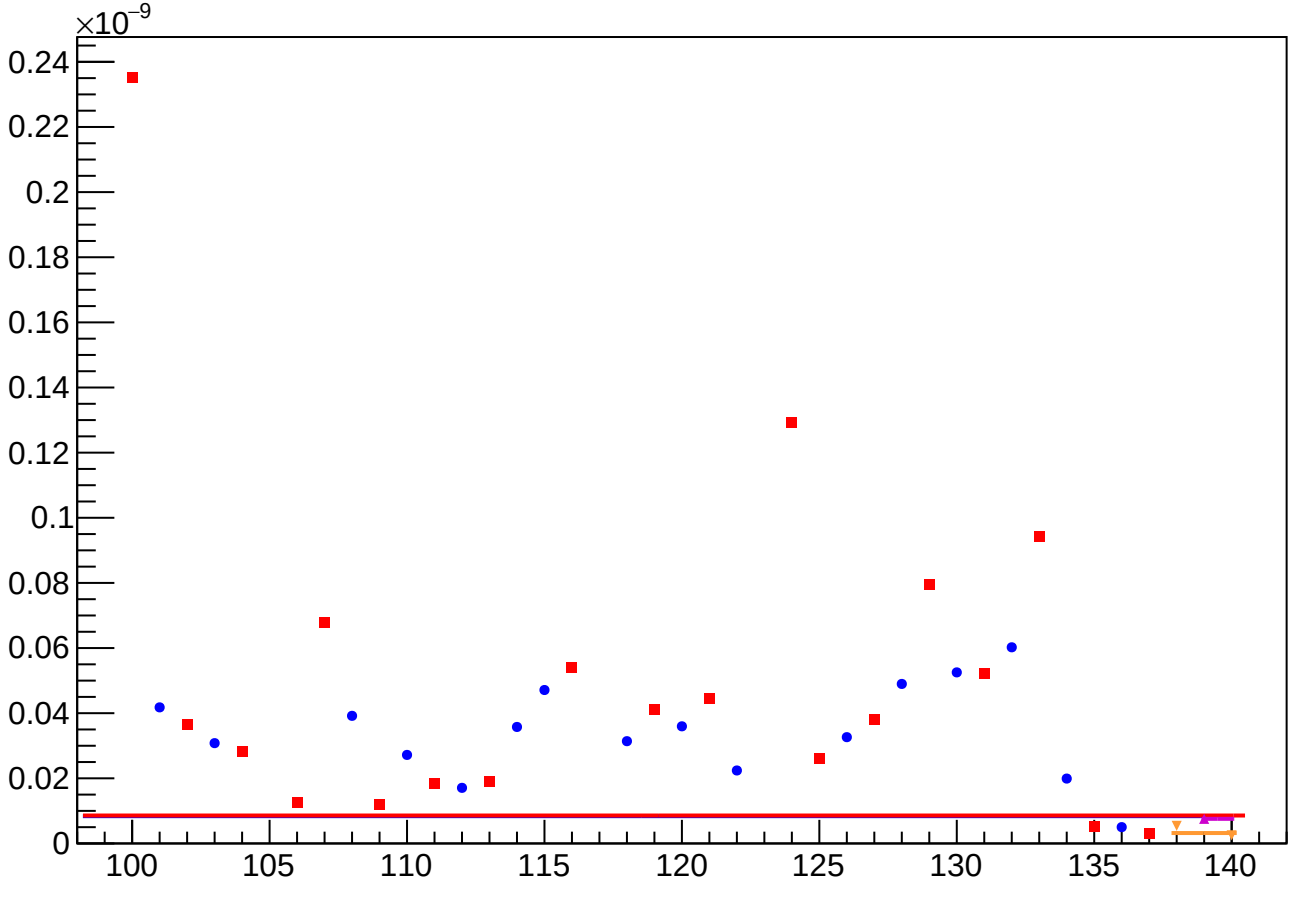
Left: 0.000+/-0.000 χ^2/NDF: 2.1/2

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:12.7/16

Out: -0.000+/-0.000 χ^2/NDF:24.7/20

All: -0.000+/-0.000 χ^2/NDF: 37.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:171686.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 457878.0/2

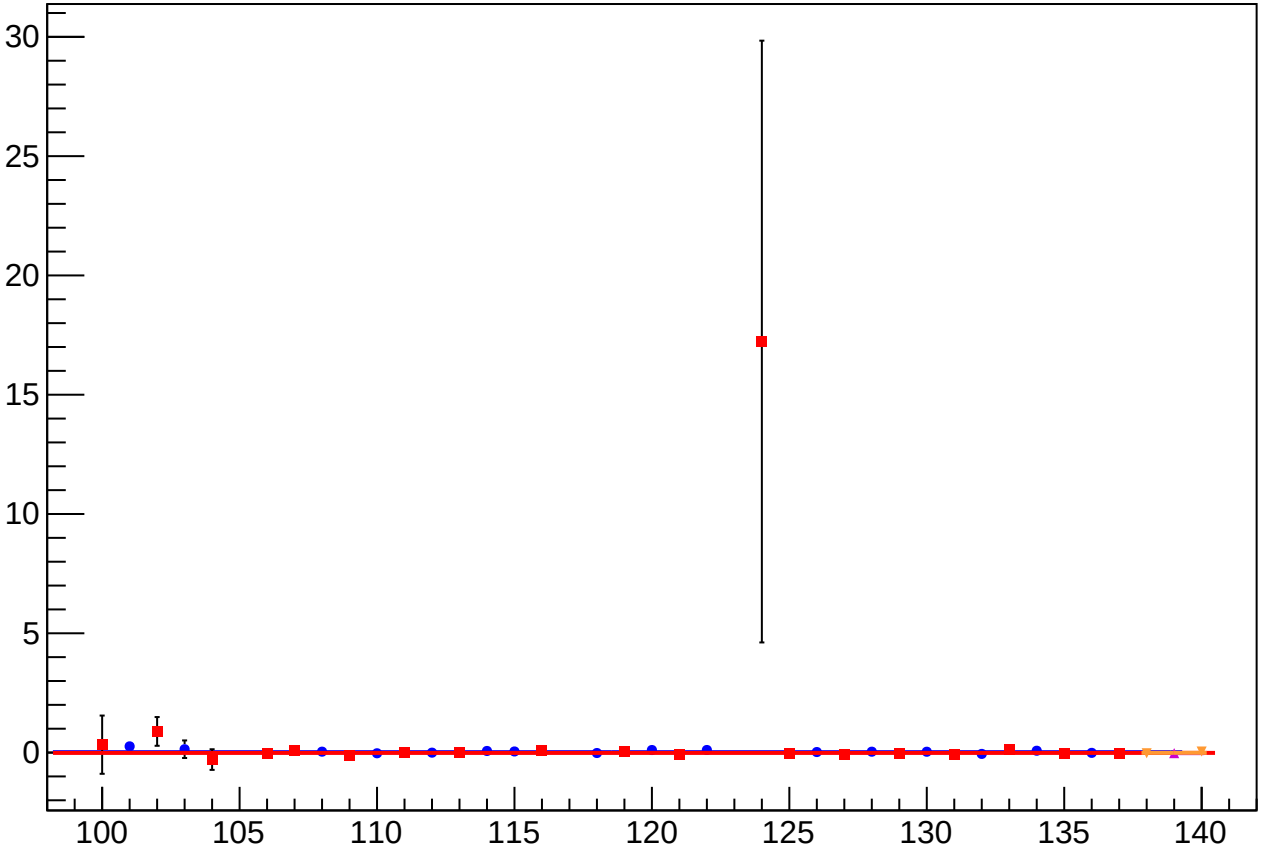
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3067504.8/16

Out: 0.000+/-0.000 χ^2/NDF:4223344.2/20

All: 0.000+/-0.000 χ^2/NDF: 7834973.8/37

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.024+/-0.029 χ^2/NDF:0.0/0

Left: -0.016+/-0.018 χ^2/NDF: 2.0/2

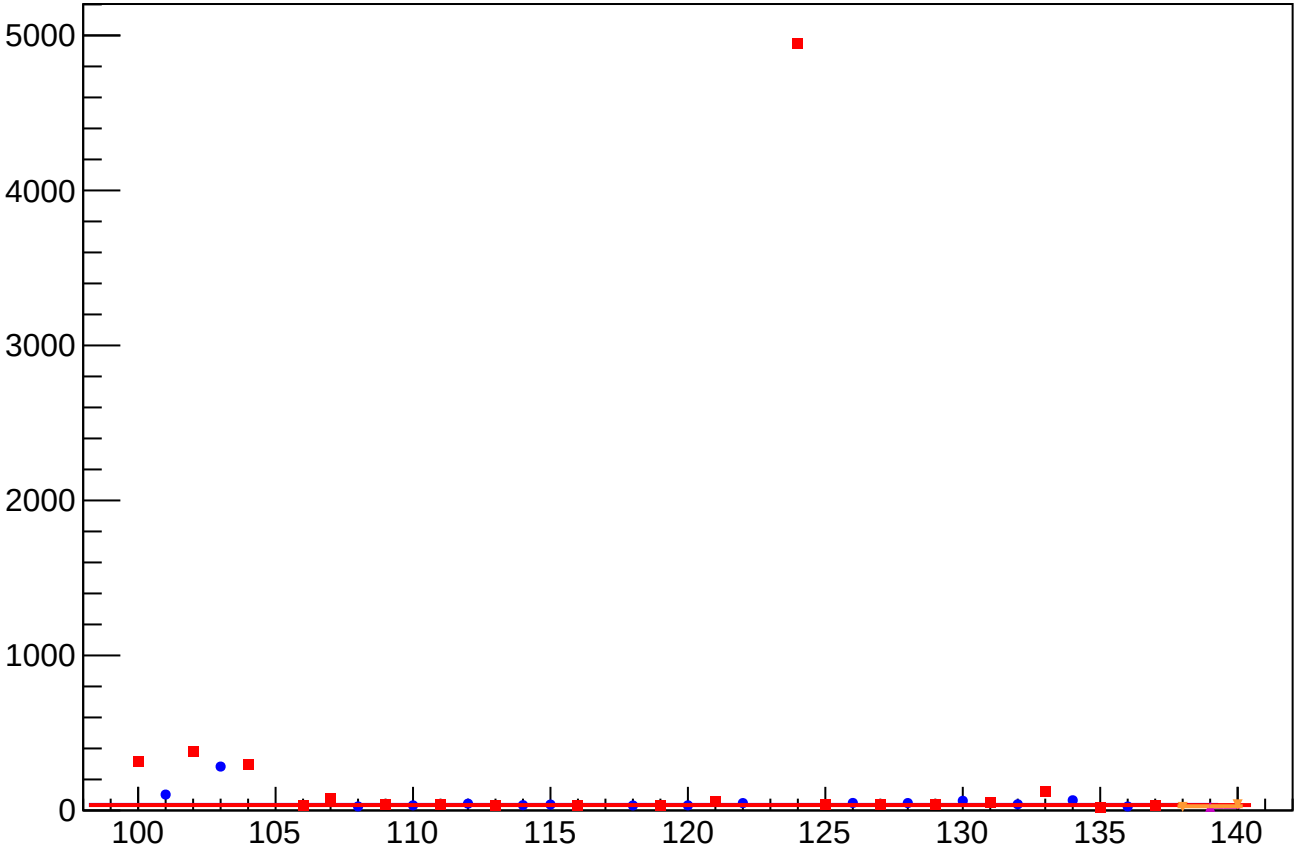
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.014 χ^2/NDF:13.0/16

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.003+/-0.009 χ^2/NDF: 32.1/37

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 27.058+/-0.017 χ^2/NDF:201472.7/1

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 23.483+/-0.021 χ^2/NDF:0.0/0

Left: 25.652+/-0.013 χ^2/NDF: 219525.4/2

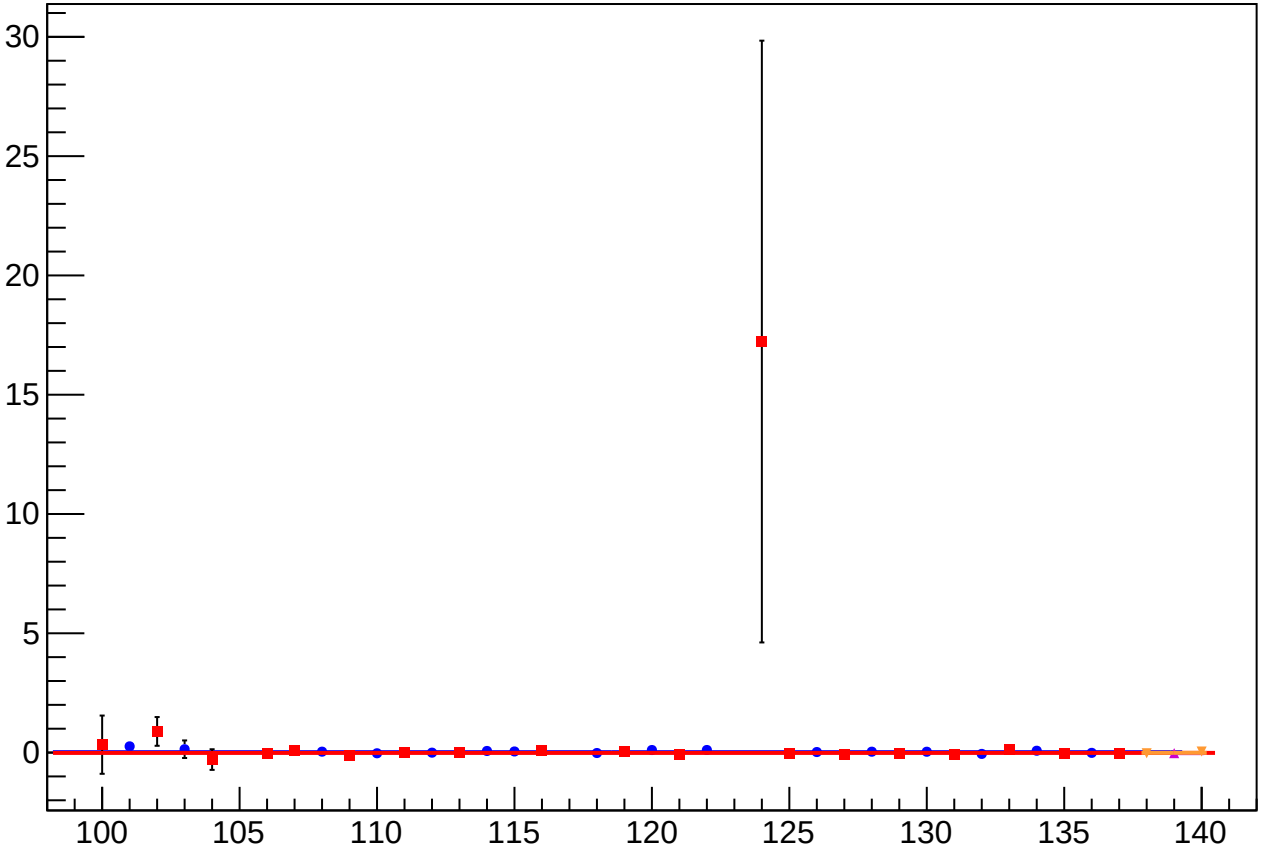
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.078+/-0.010 χ^2/NDF:2538535.5/16

Out: 32.439+/-0.009 χ^2/NDF:3265150.6/20

All: 32.743+/-0.007 χ^2/NDF: 5805975.1/37

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.024+/-0.029 χ^2/NDF:0.0/0

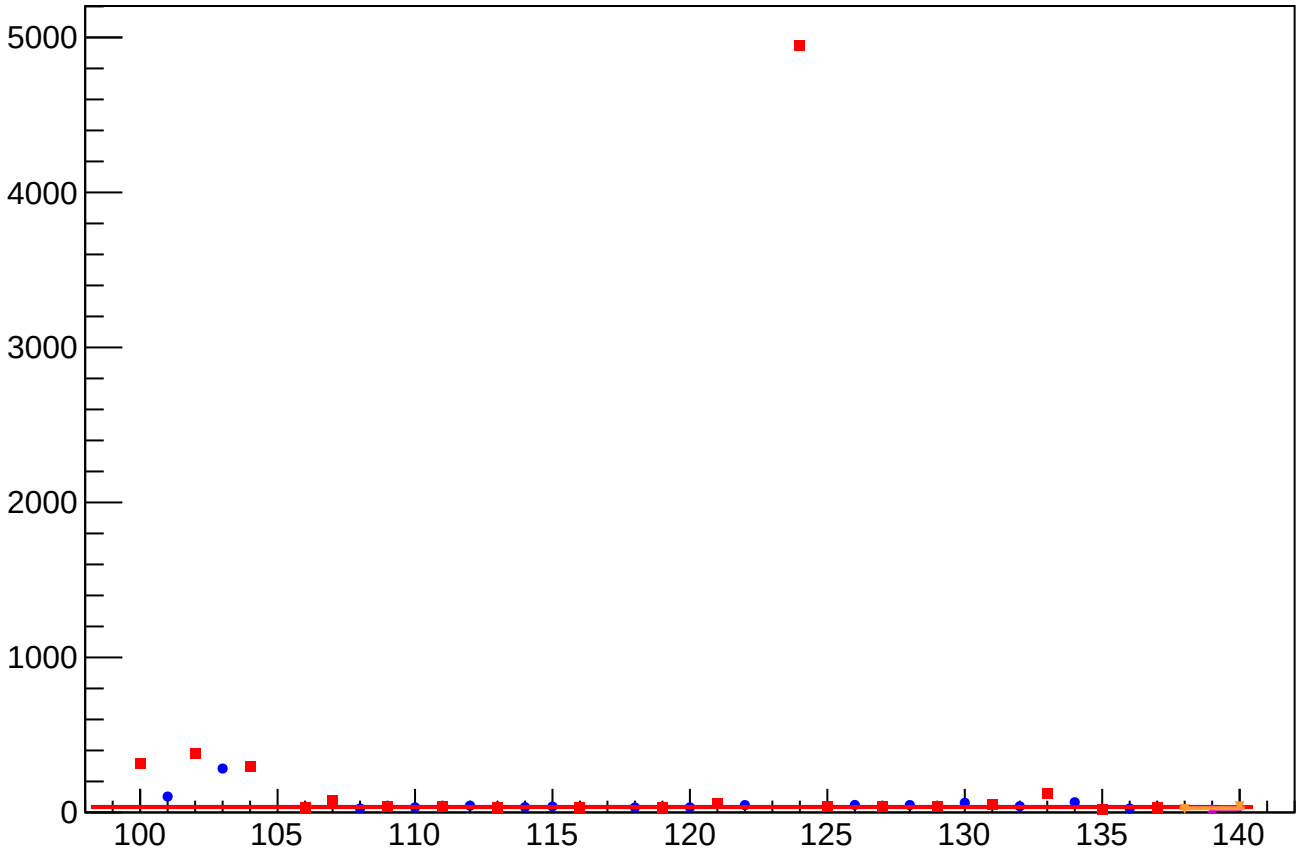
Left: -0.016+/-0.018 χ^2/NDF: 2.0/2

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.014 χ^2/NDF:13.0/16

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.003+/-0.009 χ^2/NDF: 32.1/37



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 27.058+/-0.017 χ^2/NDF:201472.7/1

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 23.483+/-0.021 χ^2/NDF:0.0/0

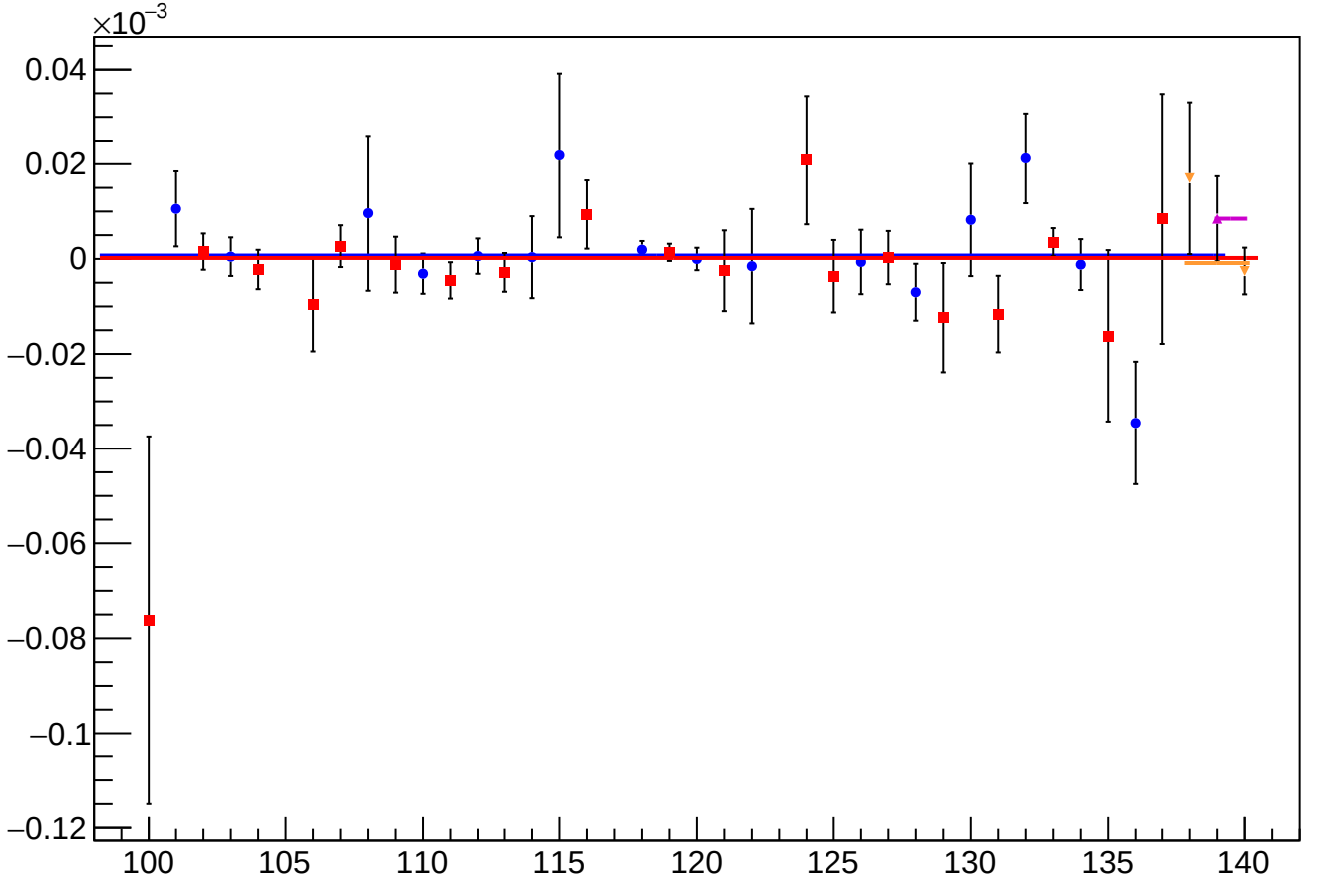
Left: 25.652+/-0.013 χ^2/NDF: 219525.4/2

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.078+/-0.010 χ^2/NDF:2538535.5/16

Out: 32.439+/-0.009 χ^2/NDF:3265150.6/20

All: 32.743+/-0.007 χ^2/NDF: 5805975.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

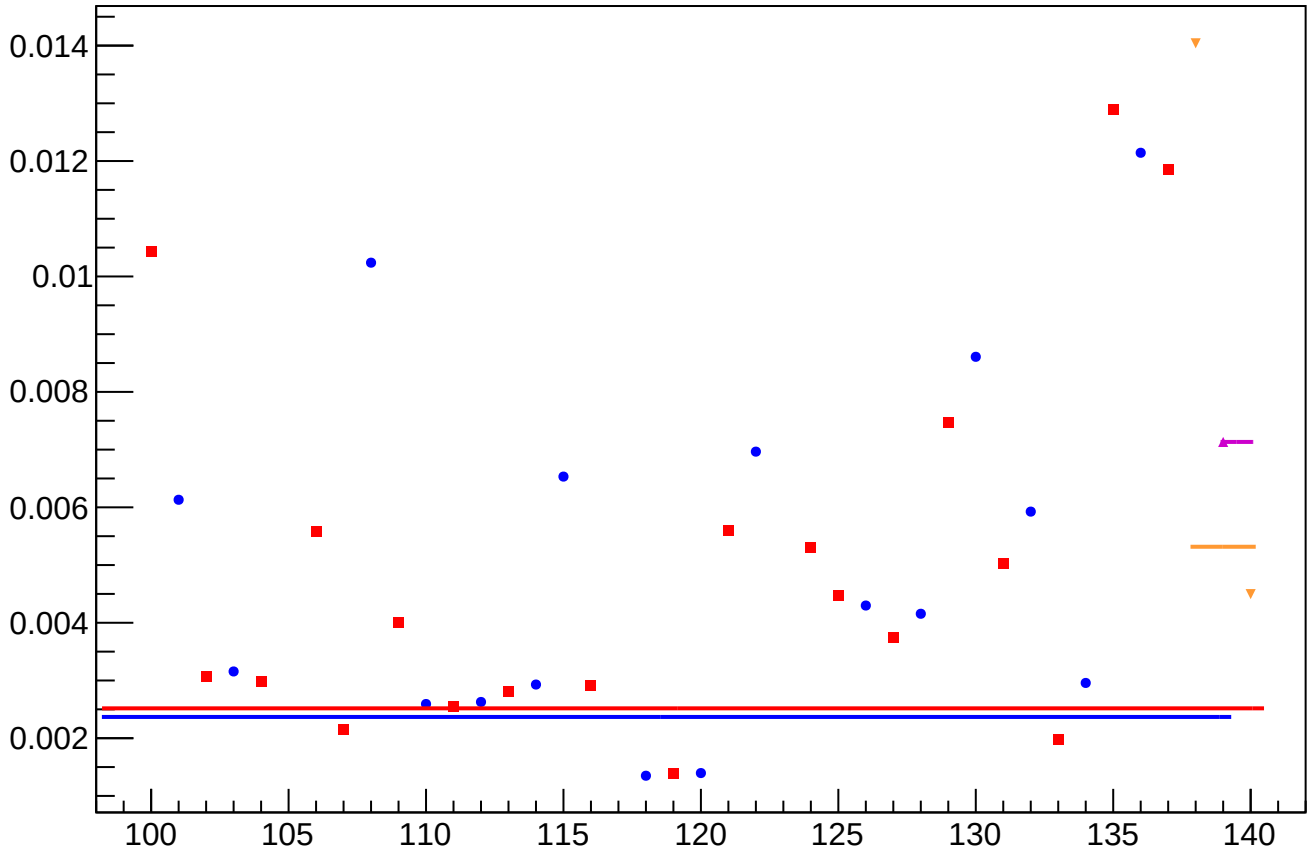
Left: 0.000+/-0.000 χ^2/NDF: 2.2/2

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:19.8/16

Out: 0.000+/-0.000 χ^2/NDF:19.5/20

All: 0.000+/-0.000 χ^2/NDF: 39.5/37



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:647888.0/1

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.007+/-0.000 χ^2/NDF:0.0/0

Left: 0.006+/-0.000 χ^2/NDF: 712166.1/2

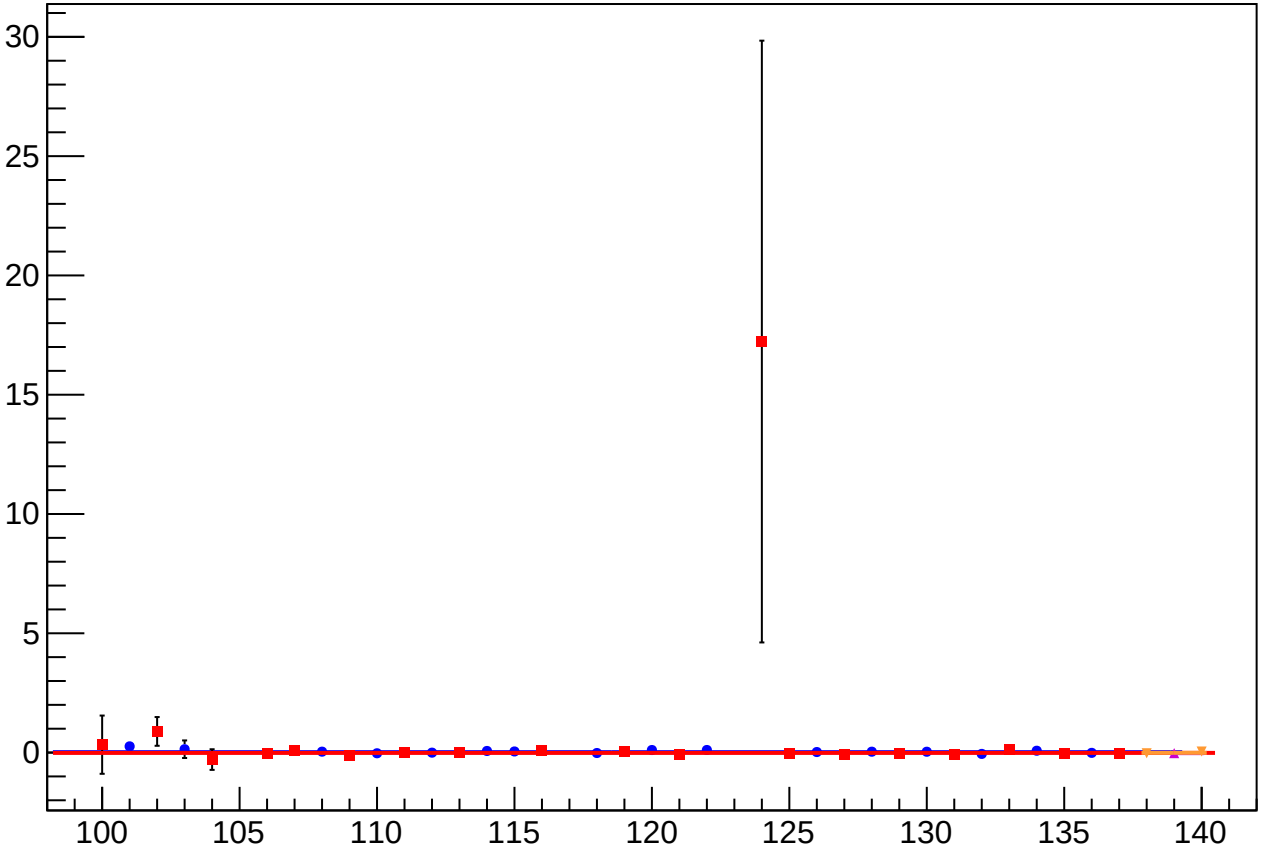
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:5277110.1/16

Out: 0.003+/-0.000 χ^2/NDF:4720092.5/20

All: 0.003+/-0.000 χ^2/NDF: 10037424.6/37

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.024+/-0.029 χ^2/NDF:0.0/0

Left: -0.016+/-0.018 χ^2/NDF: 2.0/2

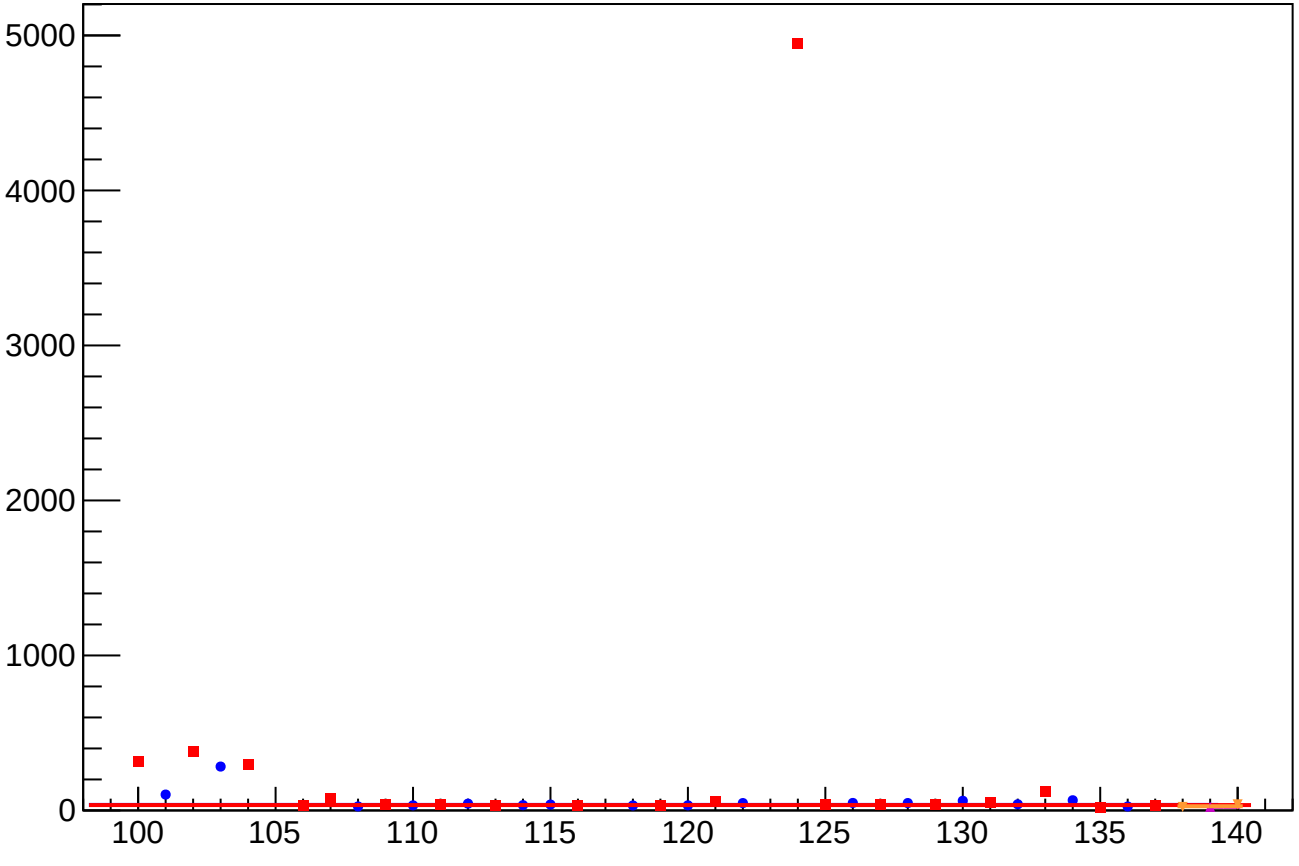
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.014 χ^2/NDF:13.0/16

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.003+/-0.009 χ^2/NDF: 32.1/37

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 27.057+/-0.017 χ^2/NDF:201563.0/1

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 23.477+/-0.021 χ^2/NDF:0.0/0

Left: 25.649+/-0.013 χ^2/NDF: 219668.2/2

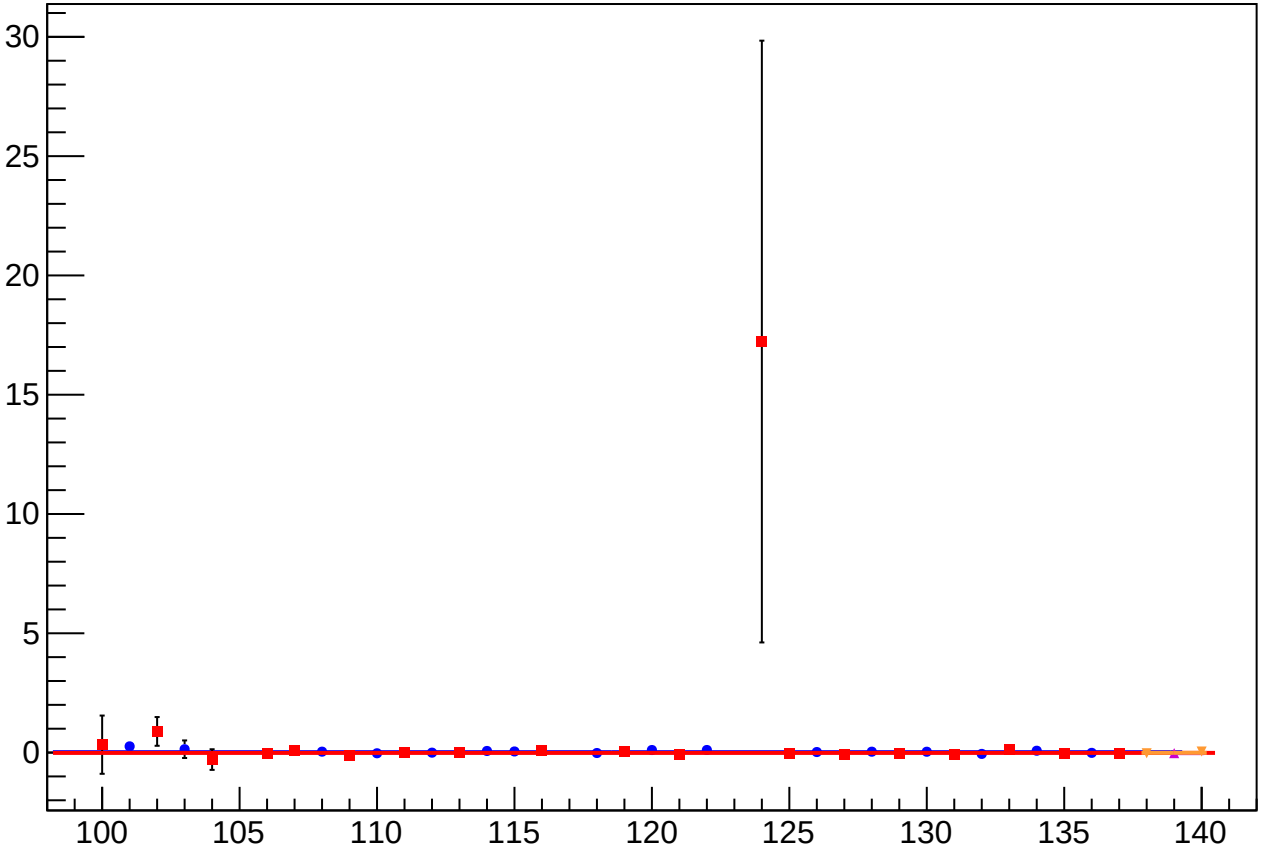
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.077+/-0.010 χ^2/NDF:2538653.7/16

Out: 32.440+/-0.009 χ^2/NDF:3265141.4/20

All: 32.743+/-0.007 χ^2/NDF: 5806076.0/37

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.024+/-0.029 χ^2/NDF:0.0/0

Left: -0.016+/-0.018 χ^2/NDF: 2.0/2

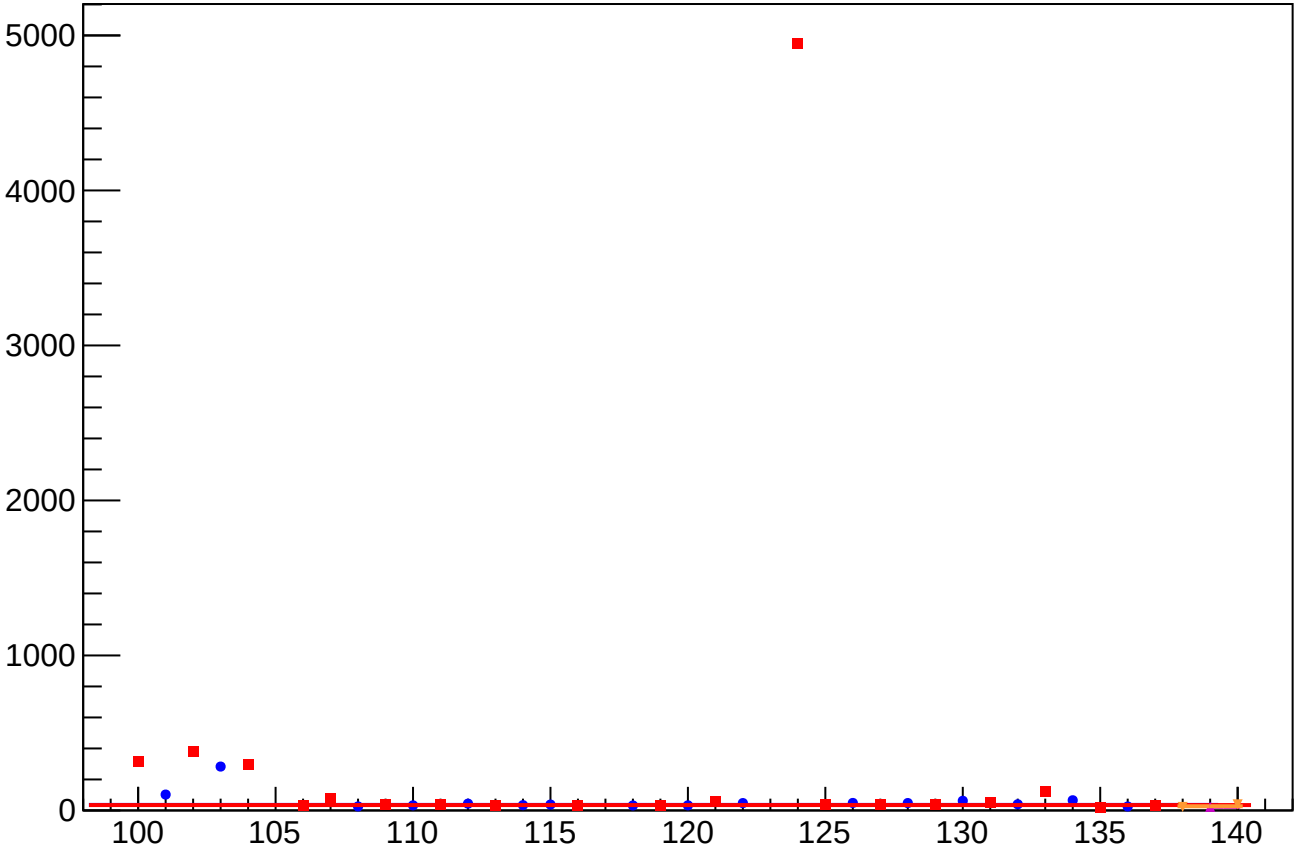
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.014 χ^2/NDF:13.0/16

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.003+/-0.009 χ^2/NDF: 32.1/37

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 27.057+/-0.017 χ^2/NDF:201563.0/1

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 23.477+/-0.021 χ^2/NDF:0.0/0

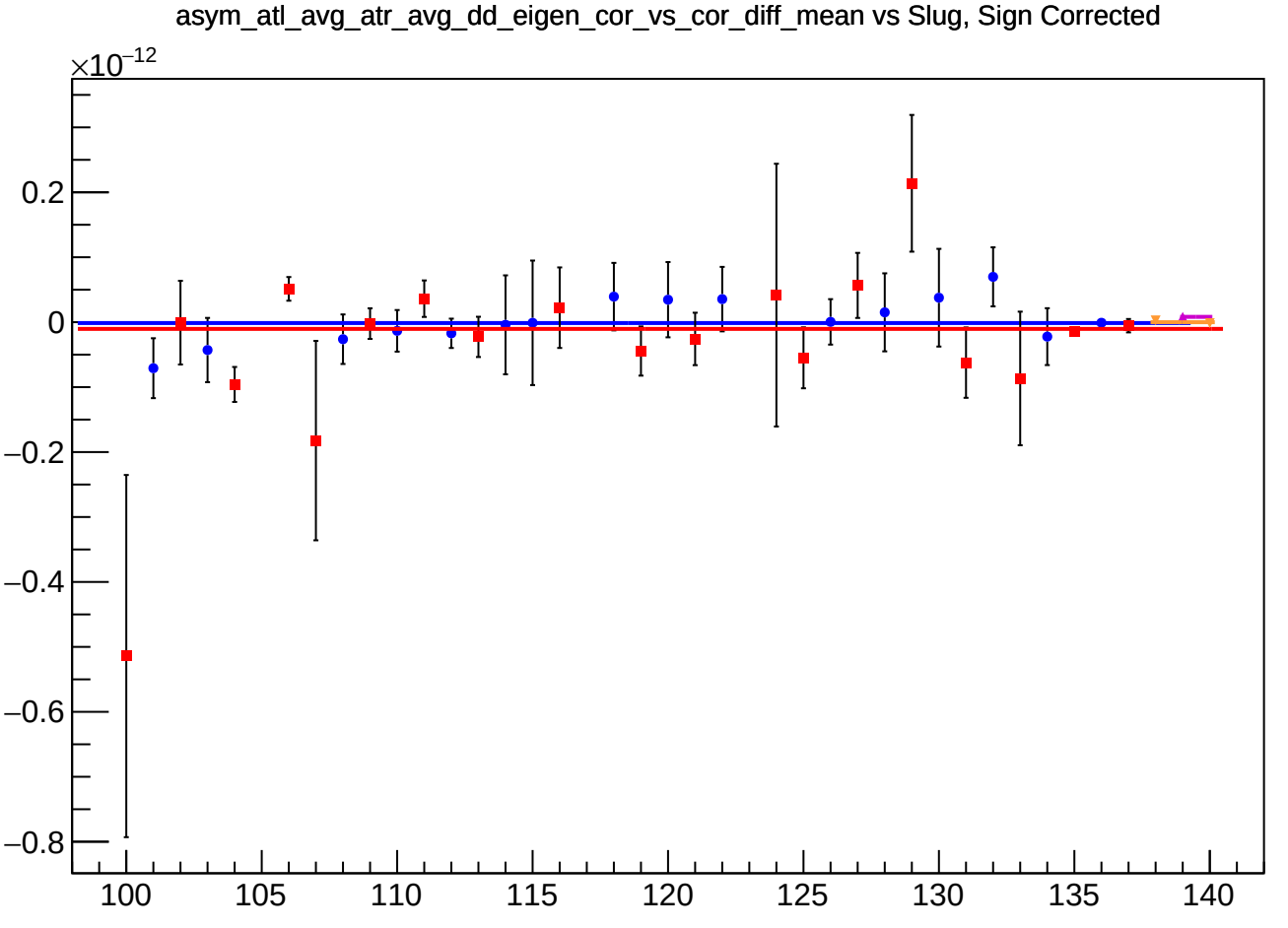
Left: 25.649+/-0.013 χ^2/NDF: 219668.2/2

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.077+/-0.010 χ^2/NDF:2538653.7/16

Out: 32.440+/-0.009 χ^2/NDF:3265141.4/20

All: 32.743+/-0.007 χ^2/NDF: 5806076.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 1.6/2

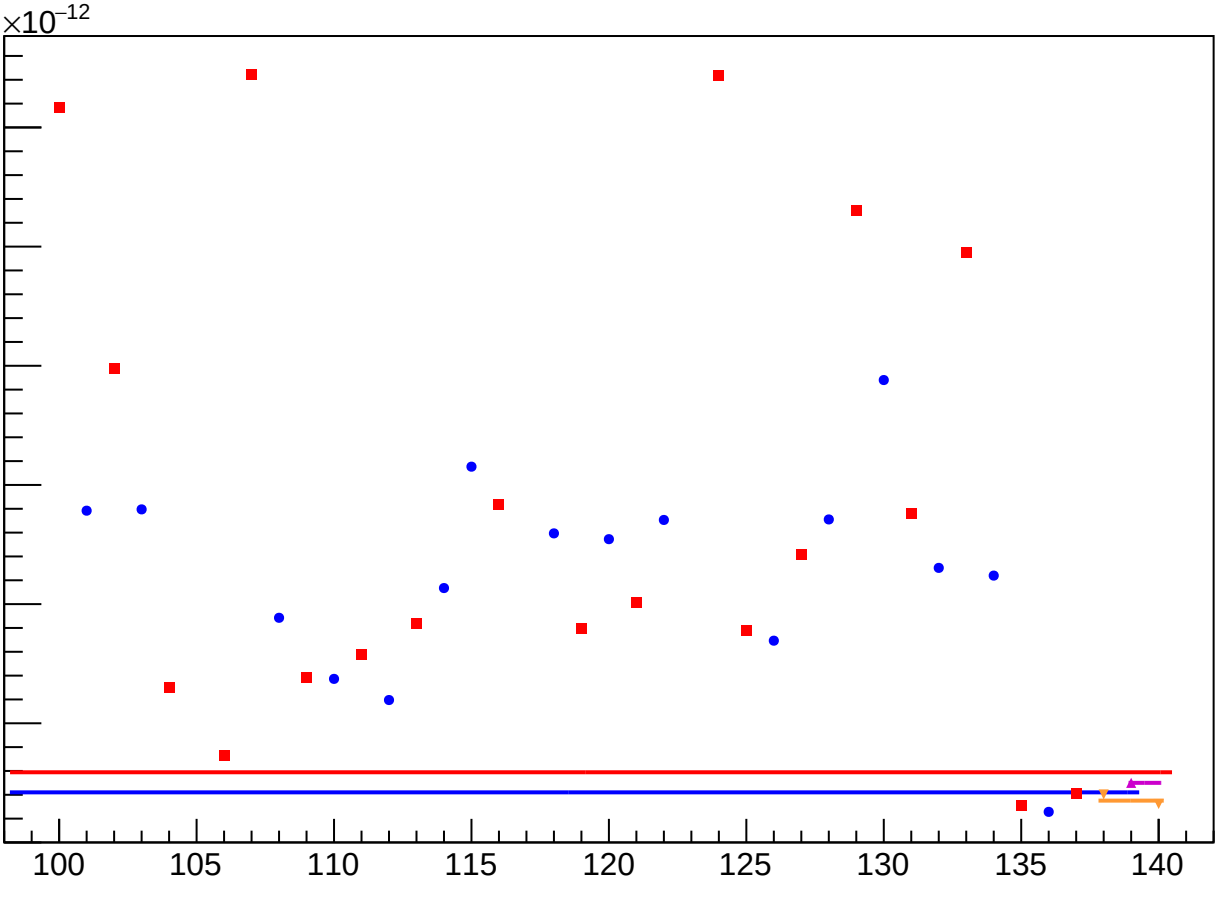
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:10.2/16

Out: -0.000+/-0.000 χ^2/NDF:44.0/20

All: -0.000+/-0.000 χ^2/NDF: 55.6/37

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:27633.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

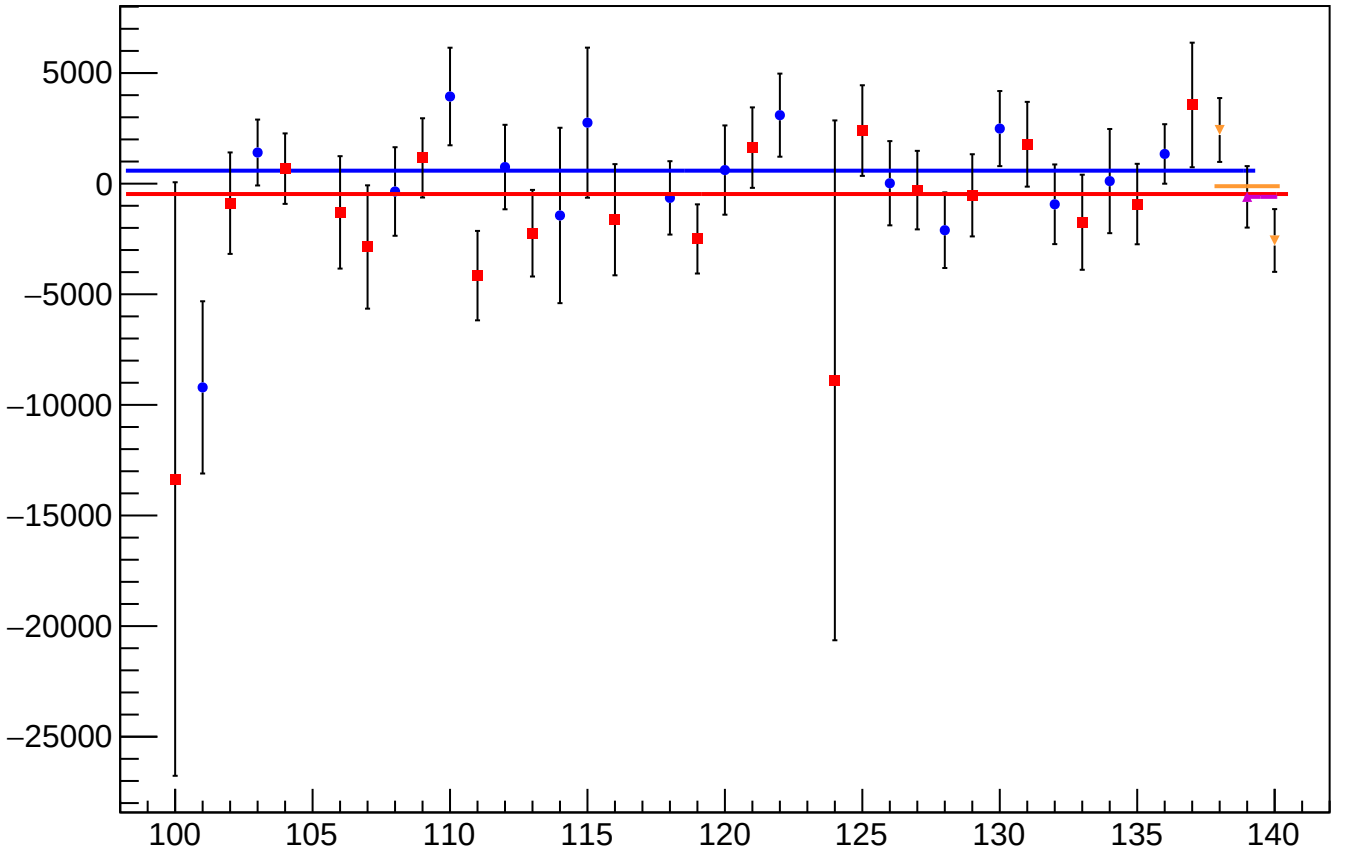
Left: 0.000+/-0.000 χ^2/NDF: 107552.2/2

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5102655.5/16

Out: 0.000+/-0.000 χ^2/NDF:5291341.8/20

All: 0.000+/-0.000 χ^2/NDF: 10394243.3/37



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -115.062+/-1011.922 χ^2/NDF:6.1/1

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -596.547+/-1389.692 χ^2/NDF:0.0/0

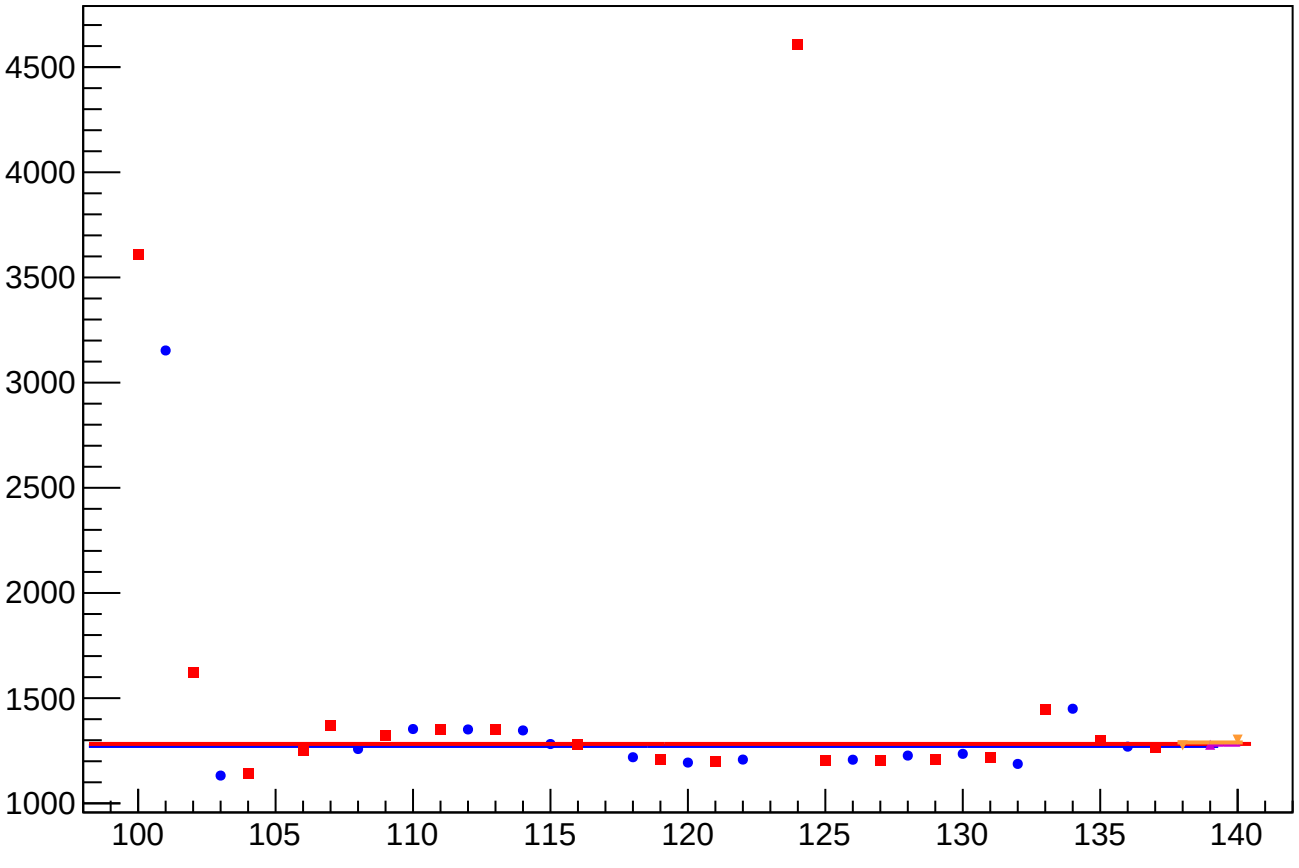
Left: -281.897+/-818.032 χ^2/NDF: 6.2/2

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 459.648+/-455.752 χ^2/NDF:17.7/16

Out: -403.886+/-434.064 χ^2/NDF:23.0/20

All: 6.845+/-314.317 χ^2/NDF: 42.6/37



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1289.372+/-0.716 χ^2/NDF:368.5/1

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1278.513+/-0.983 χ^2/NDF:0.0/0

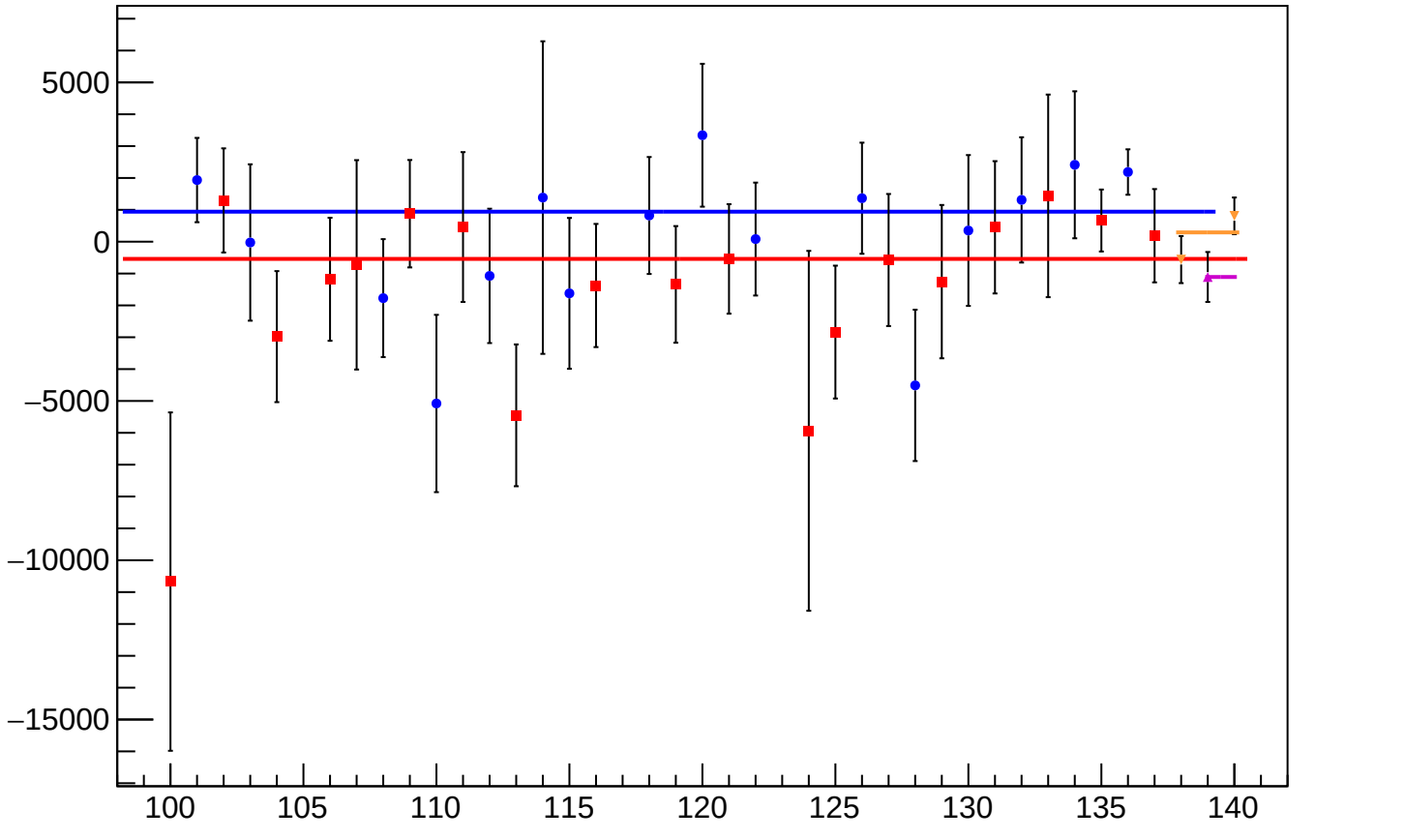
Left: 1285.610+/-0.578 χ^2/NDF: 448.3/2

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1273.418+/-0.322 χ^2/NDF:519328.3/16

Out: 1283.654+/-0.307 χ^2/NDF:322525.4/20

All: 1278.786+/-0.222 χ^2/NDF: 842382.7/37



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 291.098+/-454.354 χ^2/NDF:2.1/1

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -1108.155+/-784.028 χ^2/NDF:0.0/0

Left: -60.681+/-393.114 χ^2/NDF: 4.5/2

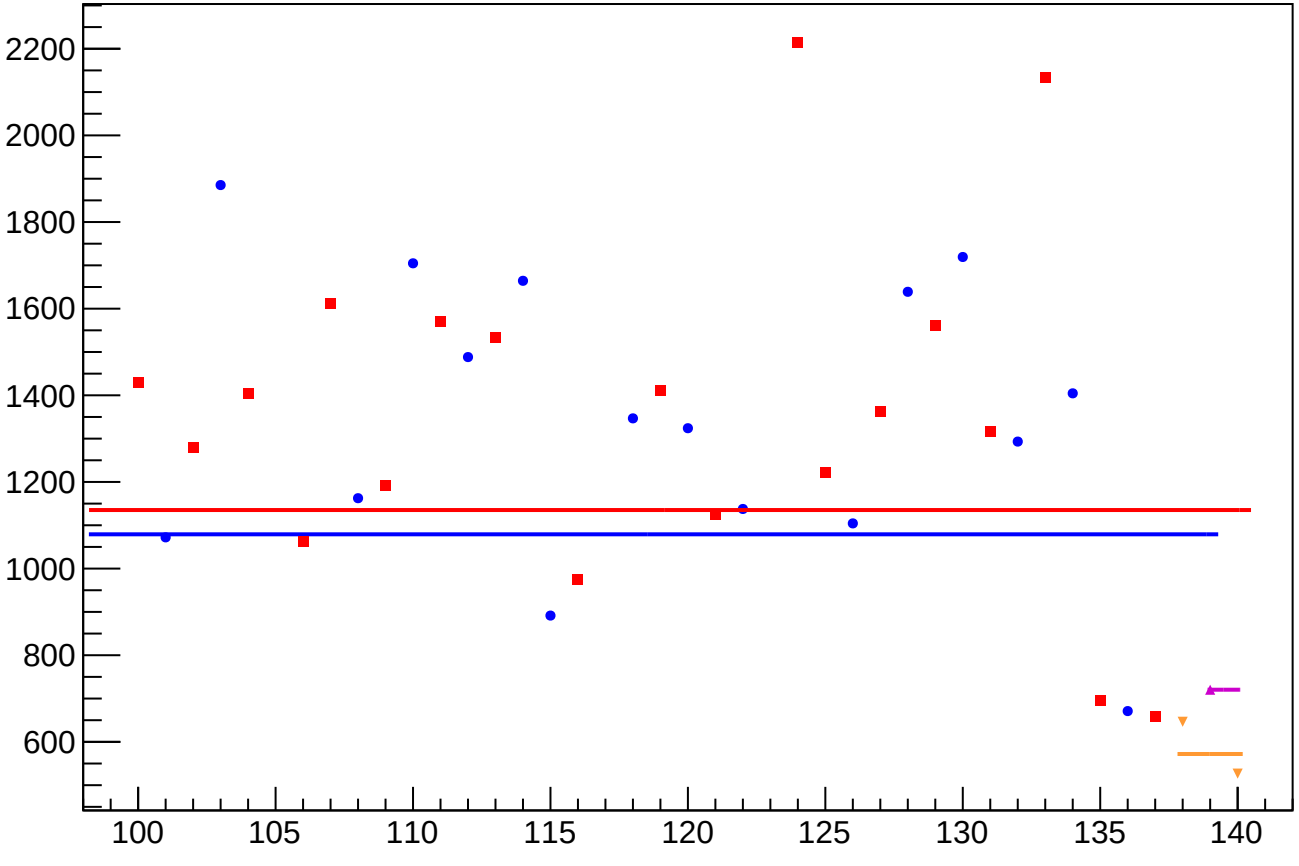
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 474.789+/-374.204 χ^2/NDF:25.2/16

Out: -138.197+/-316.045 χ^2/NDF:21.0/20

All: 117.011+/-241.452 χ^2/NDF: 47.8/37

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 572.010+/-0.321 χ^2/NDF:32656.8/1

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 720.387+/-0.554 χ^2/NDF:0.0/0

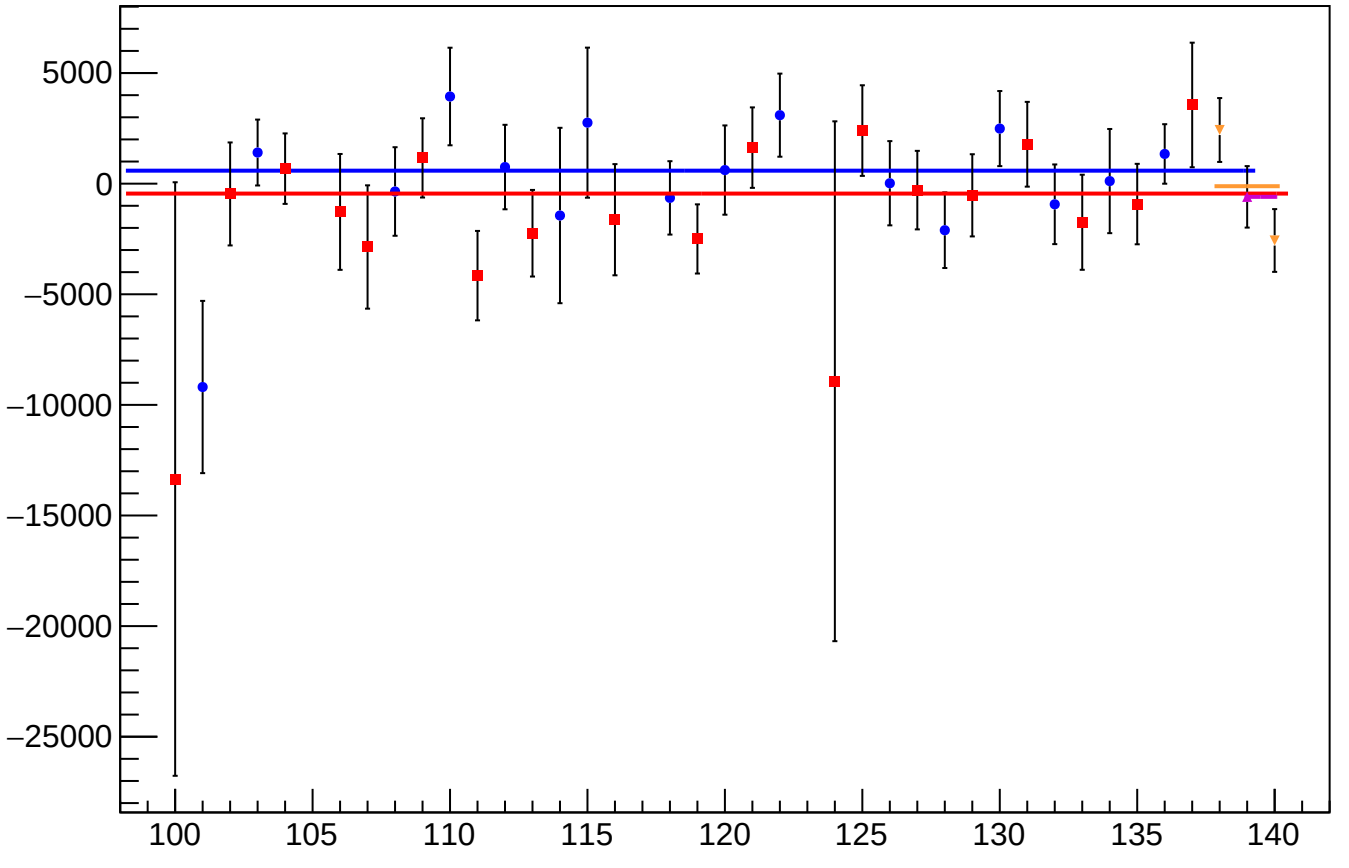
Left: 609.312+/-0.278 χ^2/NDF: 86279.6/2

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 997.400+/-0.265 χ^2/NDF:1805556.6/16

Out: 862.682+/-0.223 χ^2/NDF:2911617.0/20

All: 918.770+/-0.171 χ^2/NDF: 4868470.2/37



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF:6.1/1

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -596.369+/-1389.692 χ^2/NDF:0.0/0

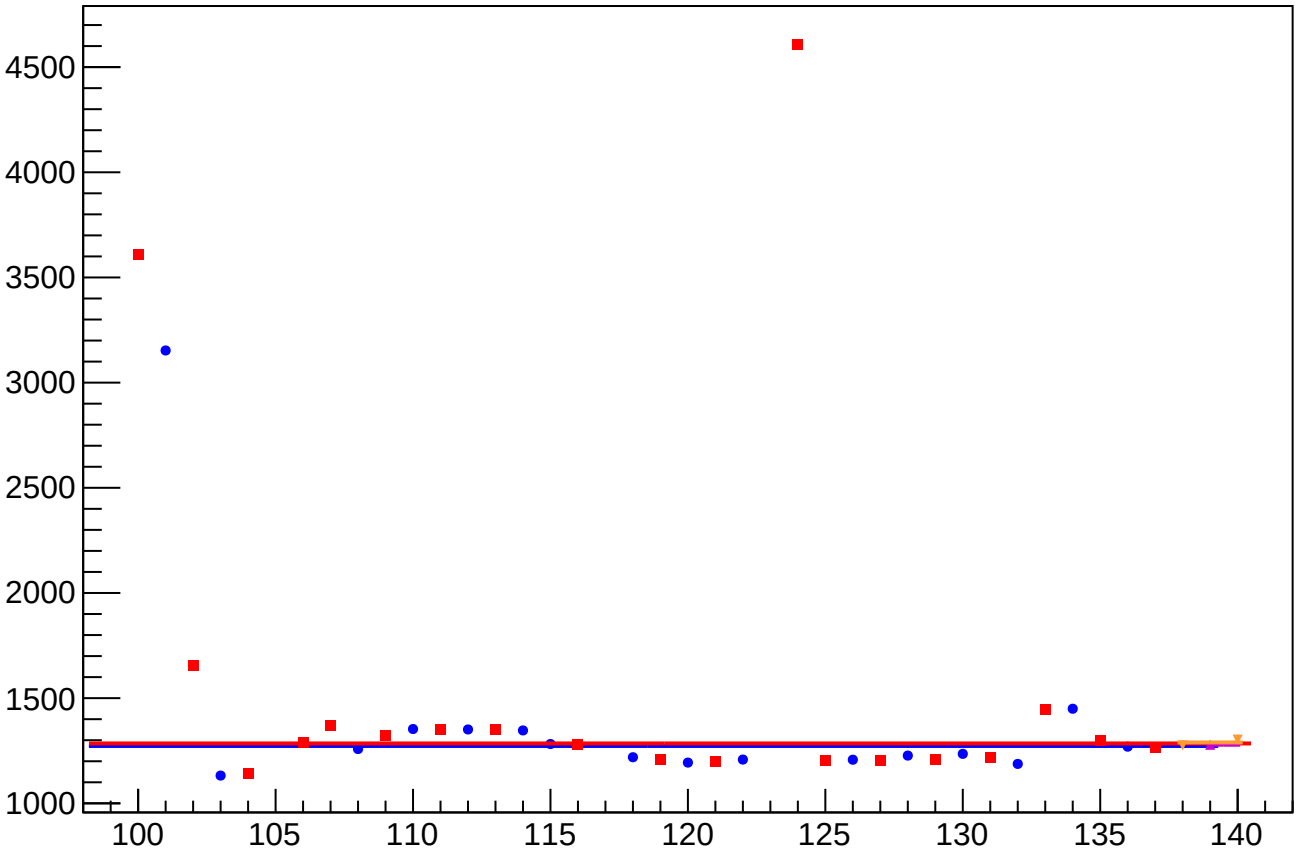
Left: -281.863+/-818.032 χ^2/NDF: 6.2/2

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 459.953+/-455.752 χ^2/NDF:17.7/16

Out: -386.914+/-434.666 χ^2/NDF:23.0/20

All: 16.475+/-314.546 χ^2/NDF: 42.5/37



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1289.372+/-0.716 χ^2/NDF:368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1278.513+/-0.983 χ^2/NDF:0.0/0

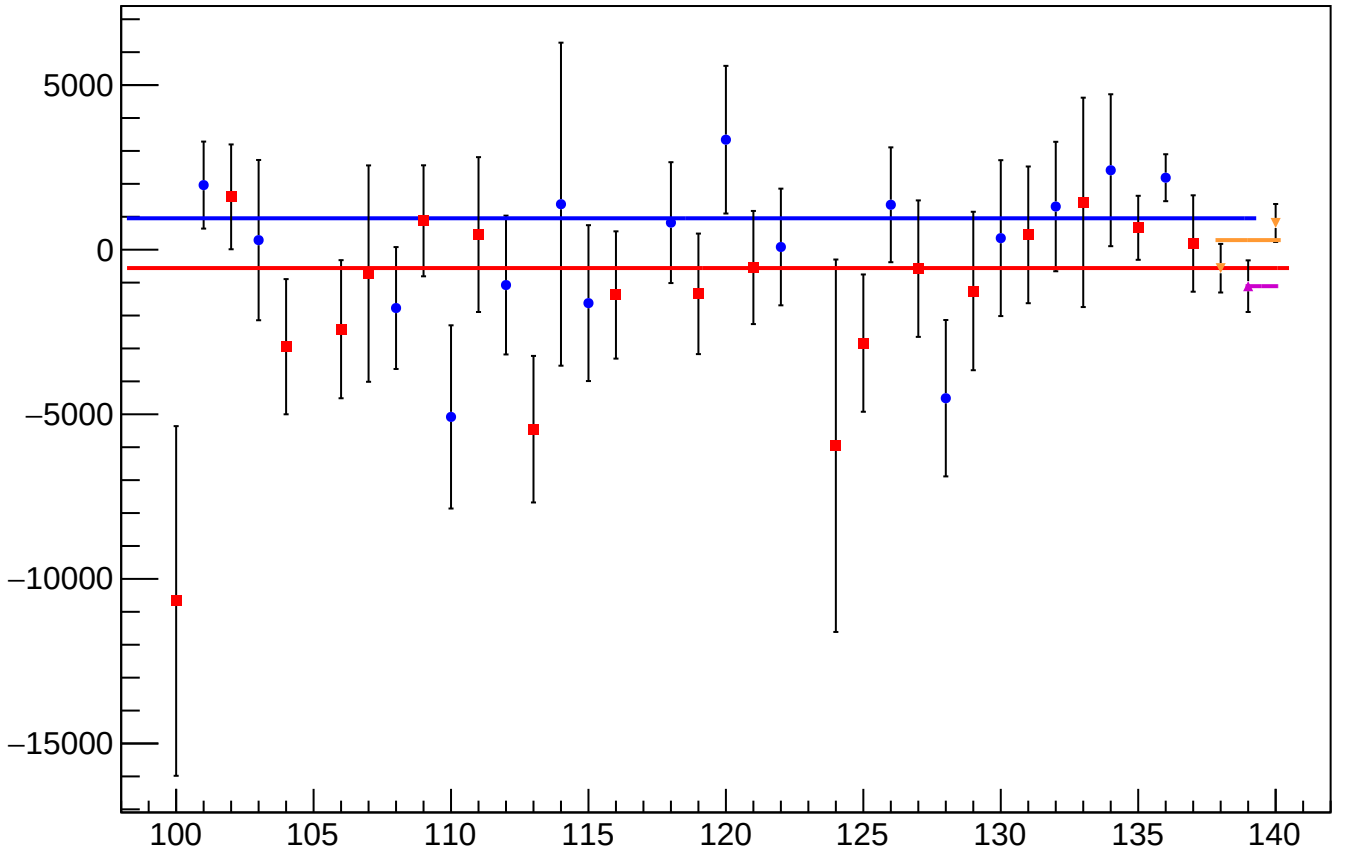
Left: 1285.610+/-0.578 χ^2/NDF: 448.3/2

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1273.418+/-0.322 χ^2/NDF:519329.7/16

Out: 1285.525+/-0.307 χ^2/NDF:329138.9/20

All: 1279.758+/-0.222 χ^2/NDF: 849207.7/37



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 291.304+/-454.368 χ^2/NDF:2.1/1

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -1108.049+/-784.021 χ^2/NDF:0.0/0

Left: -60.521+/-393.122 χ^2/NDF: 4.5/2

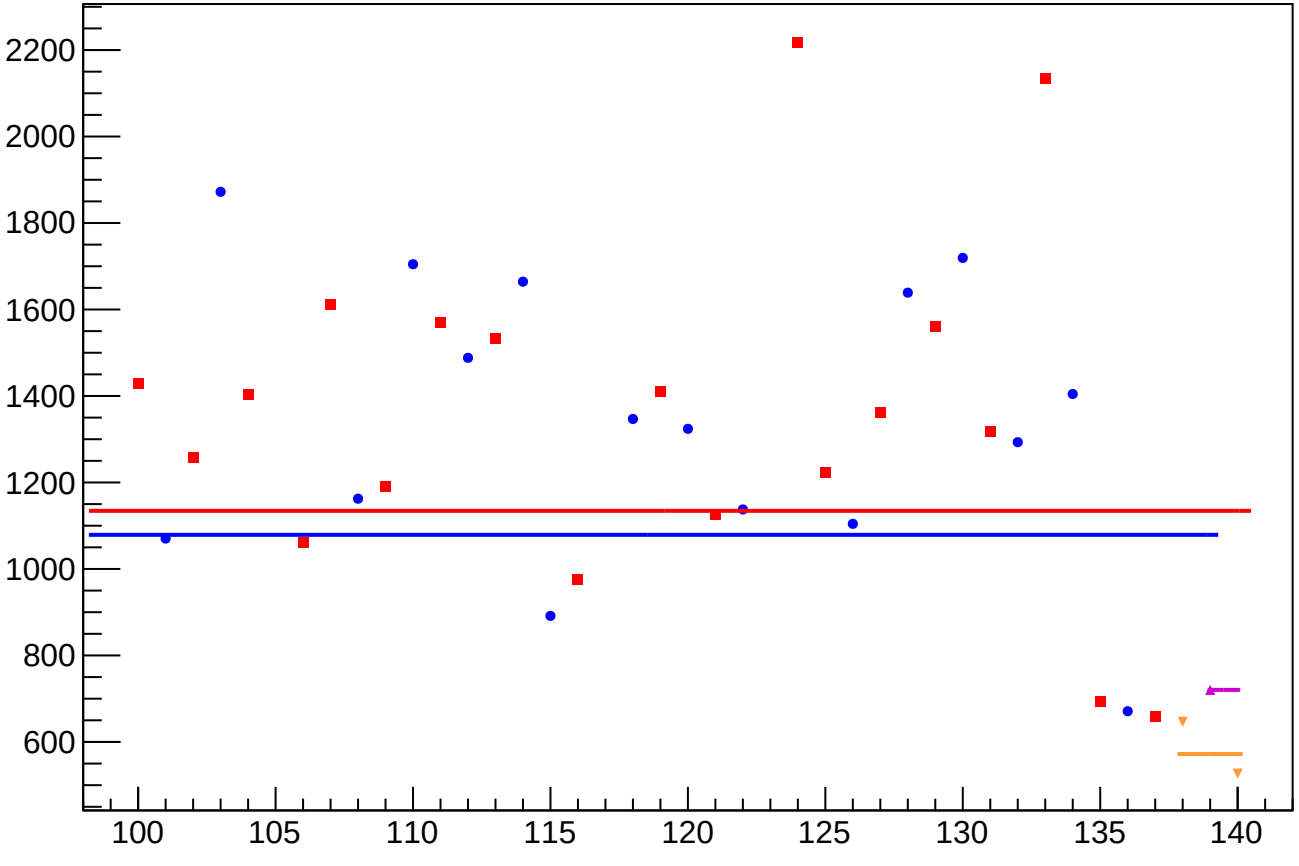
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 484.673+/-374.083 χ^2/NDF:25.2/16

Out: -146.225+/-316.365 χ^2/NDF:22.3/20

All: 116.850+/-241.562 χ^2/NDF: 49.2/37

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: 572.029+/-0.321 χ^2/NDF:32638.6/1

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 720.381+/-0.554 χ^2/NDF:0.0/0

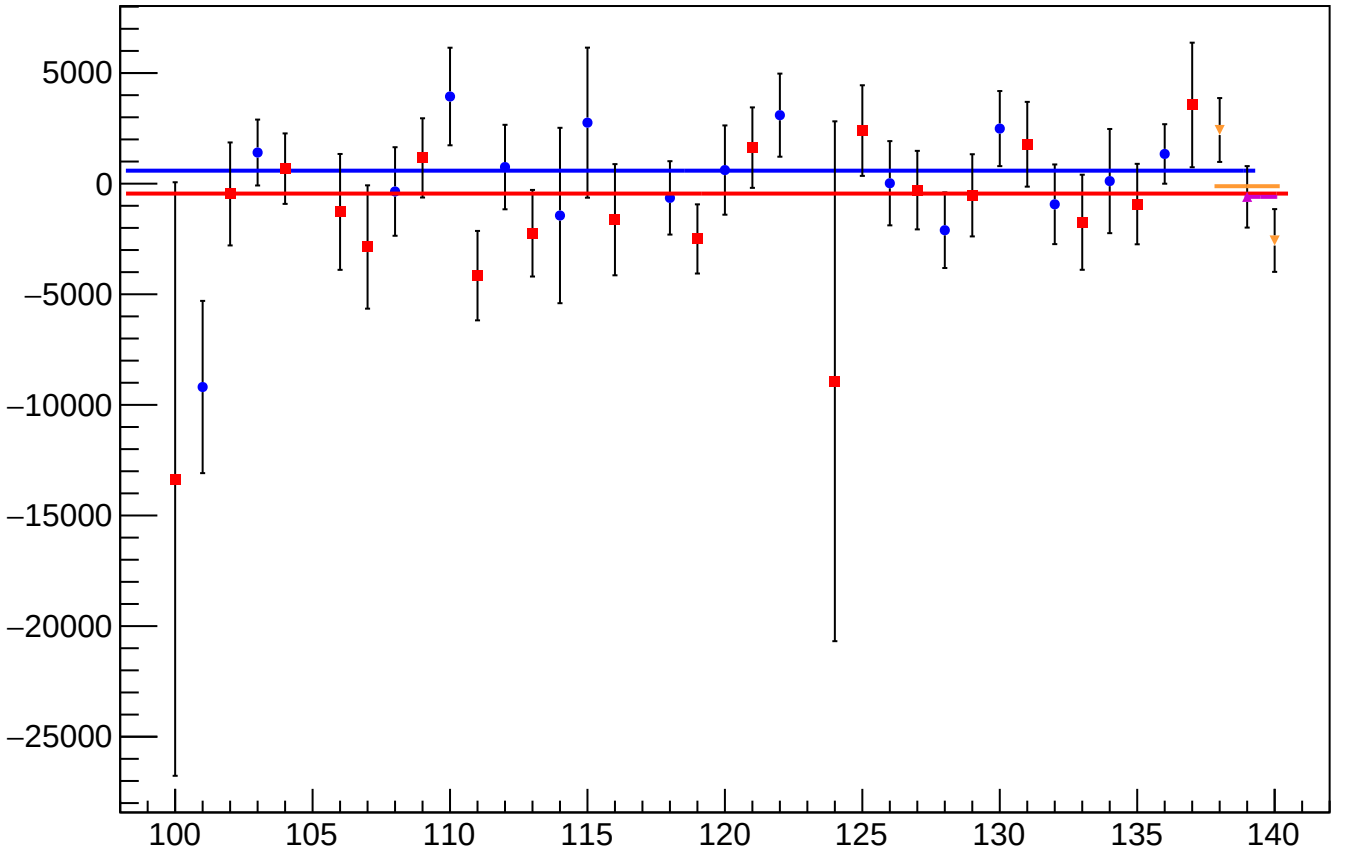
Left: 609.328+/-0.278 χ^2/NDF: 86242.8/2

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 997.305+/-0.265 χ^2/NDF:1801782.3/16

Out: 861.778+/-0.224 χ^2/NDF:2900166.1/20

All: 918.291+/-0.171 χ^2/NDF: 4854996.3/37



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF:6.1/1

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -596.369+/-1389.692 χ^2/NDF:0.0/0

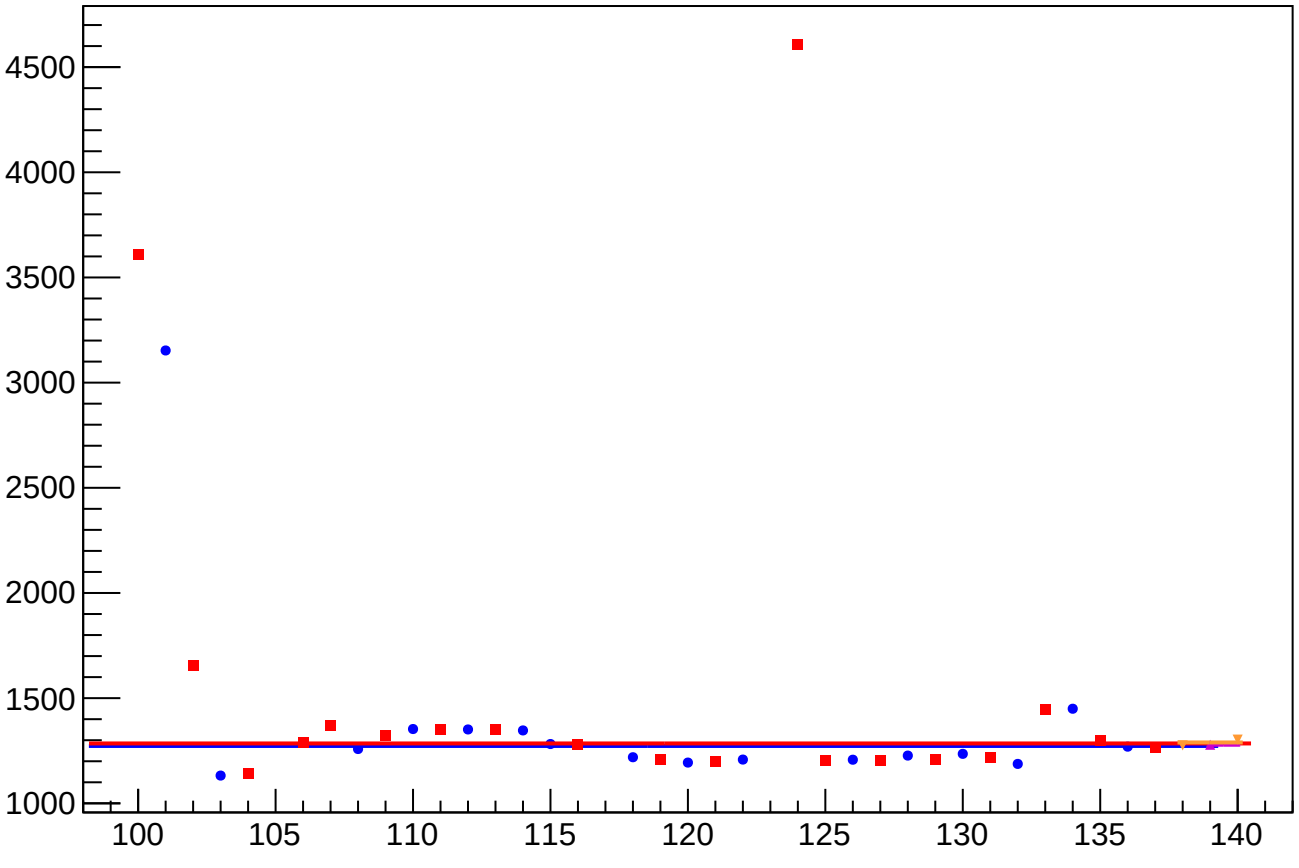
Left: -281.863+/-818.032 χ^2/NDF: 6.2/2

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 459.953+/-455.752 χ^2/NDF:17.7/16

Out: -386.914+/-434.666 χ^2/NDF:23.0/20

All: 16.475+/-314.546 χ^2/NDF: 42.5/37



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1289.372+/-0.716 χ^2/NDF:368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1278.513+/-0.983 χ^2/NDF:0.0/0

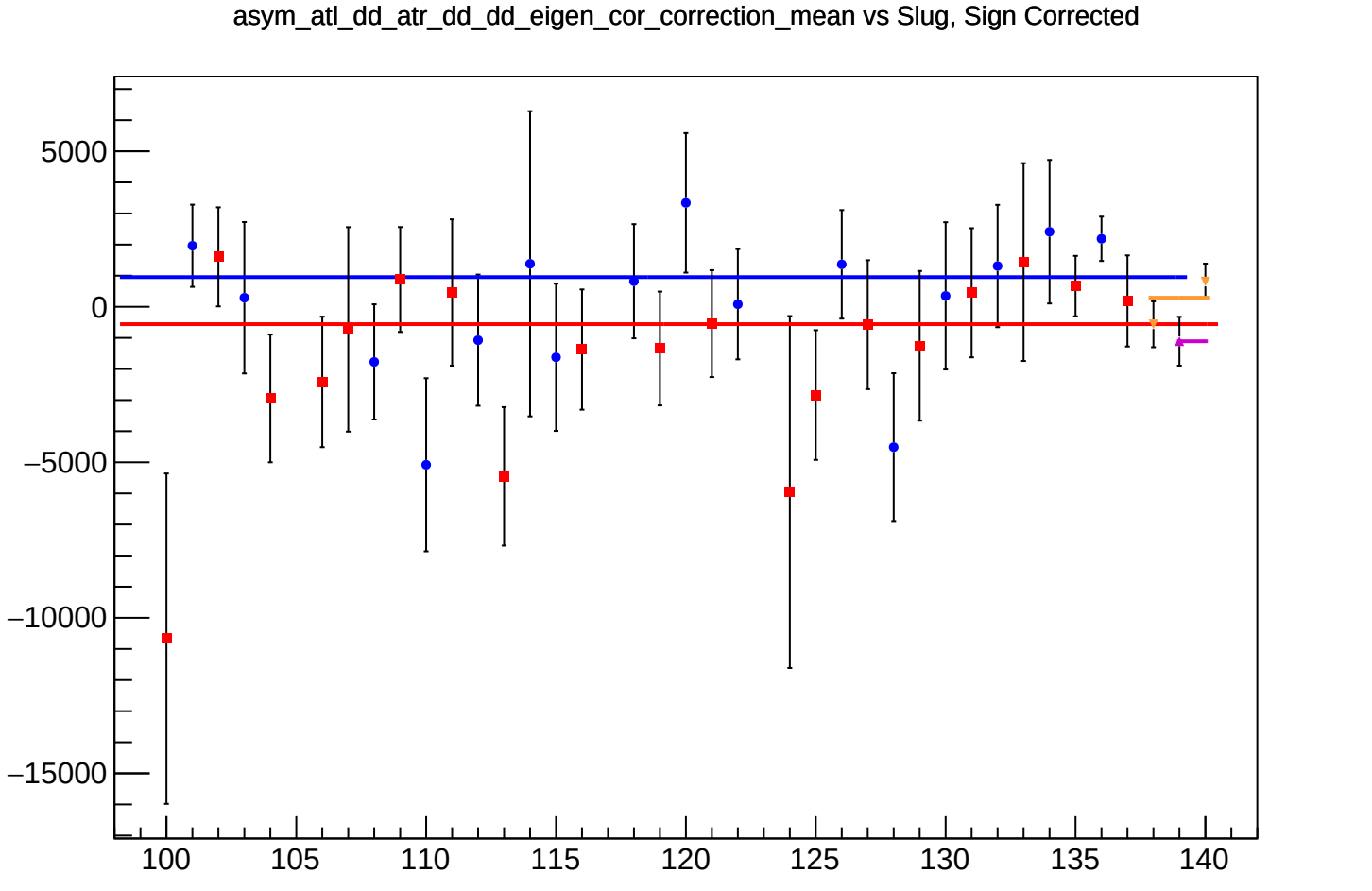
Left: 1285.610+/-0.578 χ^2/NDF: 448.3/2

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1273.418+/-0.322 χ^2/NDF:519329.7/16

Out: 1285.525+/-0.307 χ^2/NDF:329138.9/20

All: 1279.758+/-0.222 χ^2/NDF: 849207.7/37



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 291.304+/-454.368 χ^2/NDF:2.1/1

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -1108.049+/-784.021 χ^2/NDF:0.0/0

Left: -60.521+/-393.122 χ^2/NDF: 4.5/2

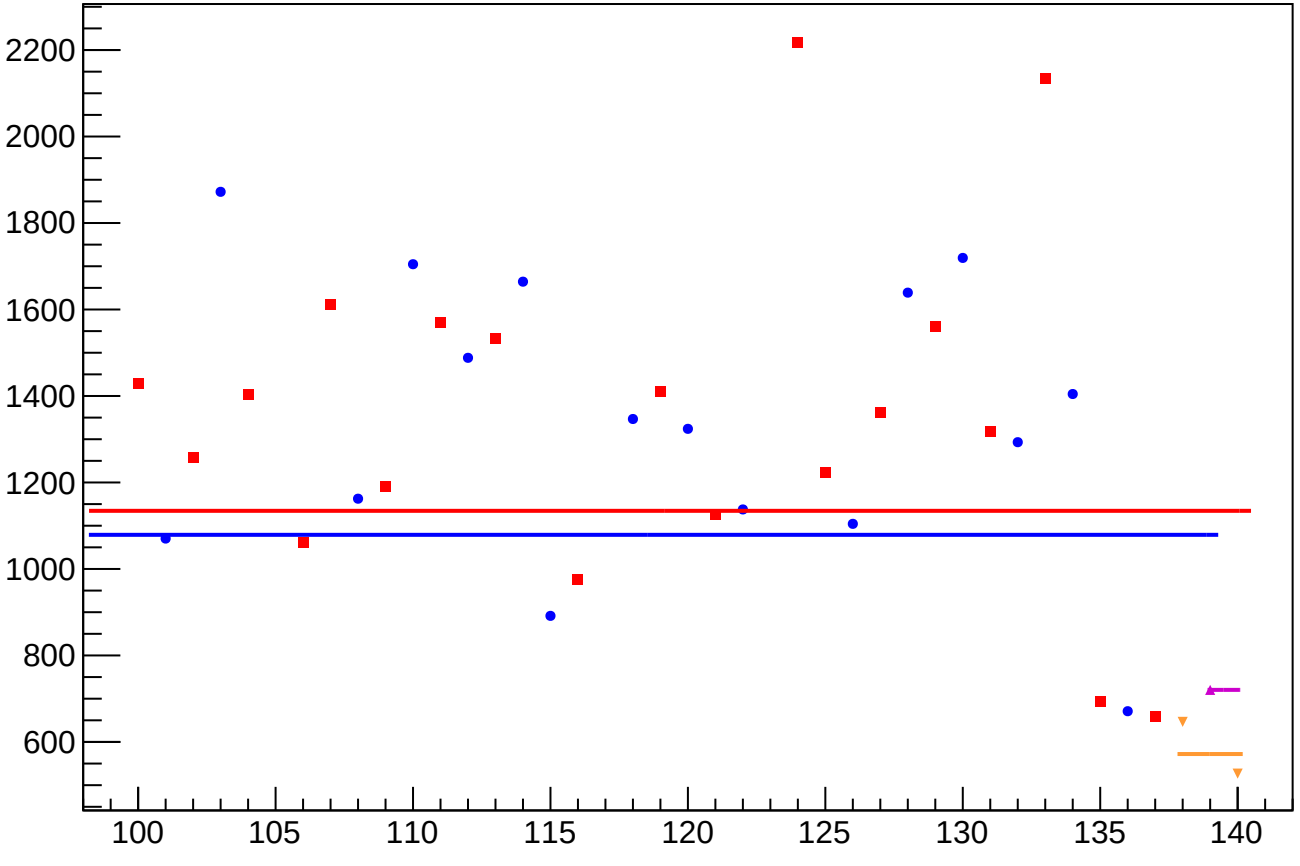
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 484.673+/-374.083 χ^2/NDF:25.2/16

Out: -146.225+/-316.365 χ^2/NDF:22.3/20

All: 116.850+/-241.562 χ^2/NDF: 49.2/37

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 572.029+/-0.321 χ^2/NDF:32638.6/1

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 720.381+/-0.554 χ^2/NDF:0.0/0

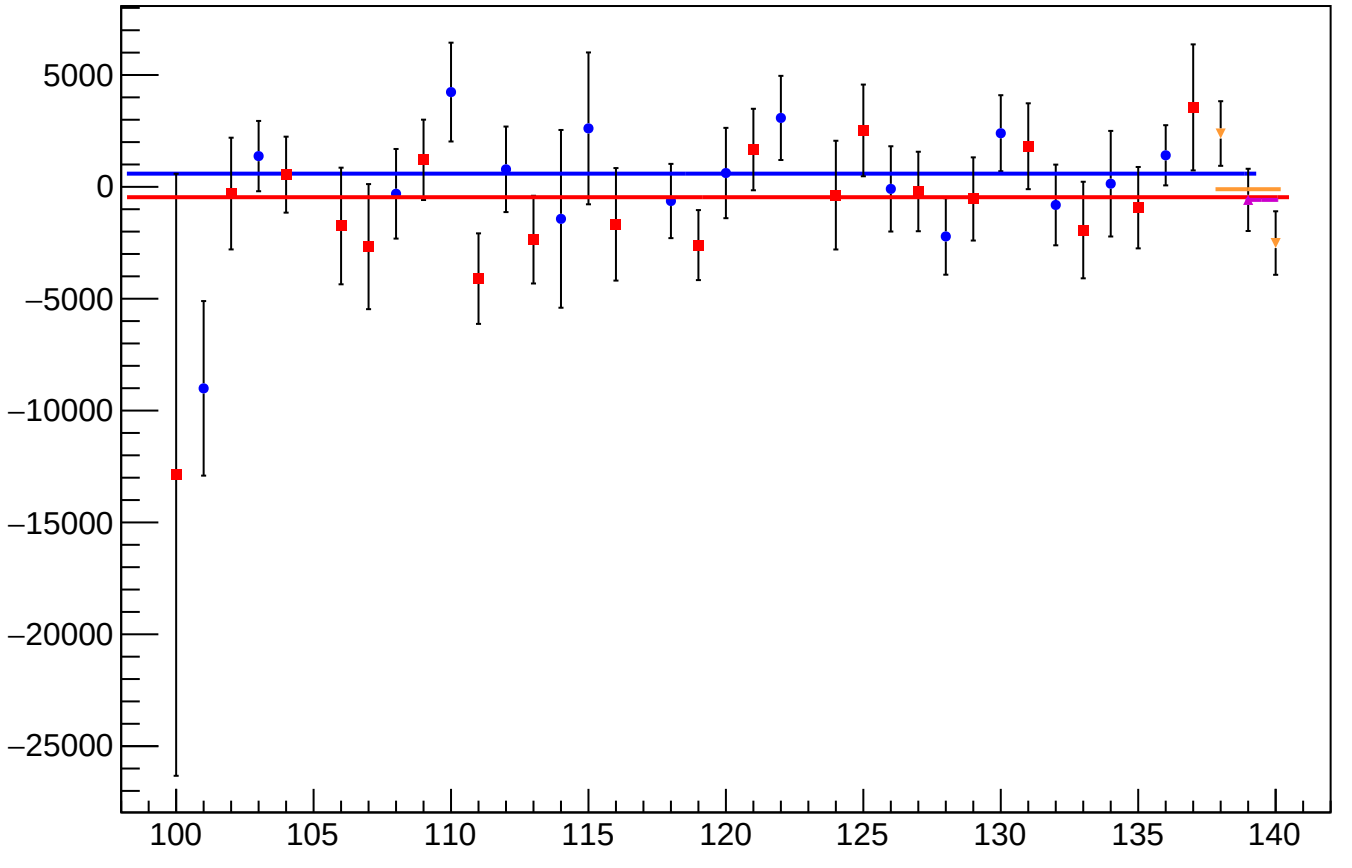
Left: 609.328+/-0.278 χ^2/NDF: 86242.8/2

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 997.305+/-0.265 χ^2/NDF:1801782.3/16

Out: 861.778+/-0.224 χ^2/NDF:2900166.1/20

All: 918.291+/-0.171 χ^2/NDF: 4854996.3/37



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -105.070+/-1012.604 χ^2/NDF:5.8/1

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -582.308+/-1390.514 χ^2/NDF:0.0/0

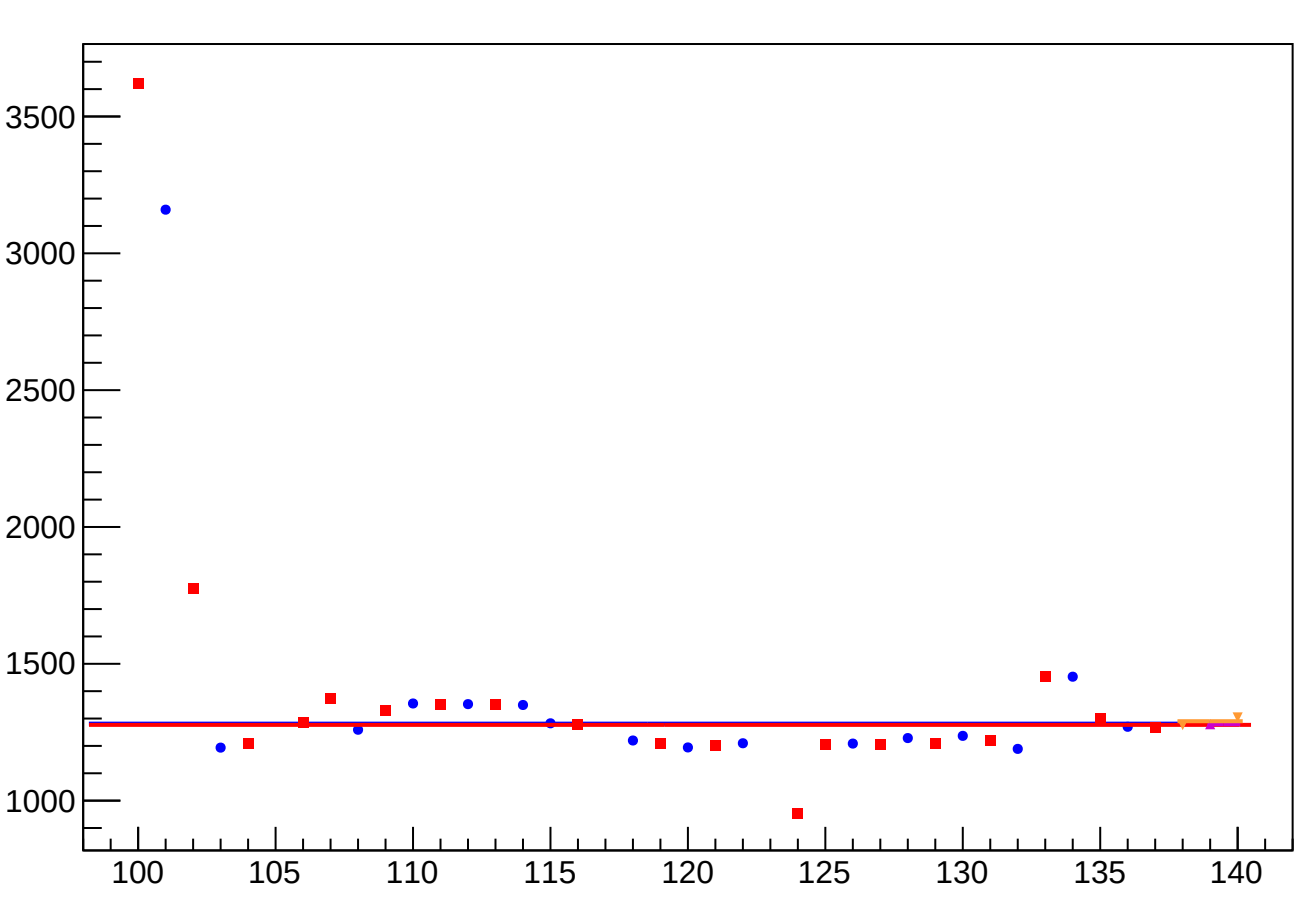
Left: -270.451+/-818.559 χ^2/NDF: 5.9/2

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 462.911+/-458.350 χ^2/NDF:17.7/16

Out: -397.722+/-431.368 χ^2/NDF:22.6/20

All: 6.519+/-314.129 χ^2/NDF: 42.3/37



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1290.238+/-0.716 χ^2/NDF:387.0/1

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1279.253+/-0.983 χ^2/NDF:0.0/0

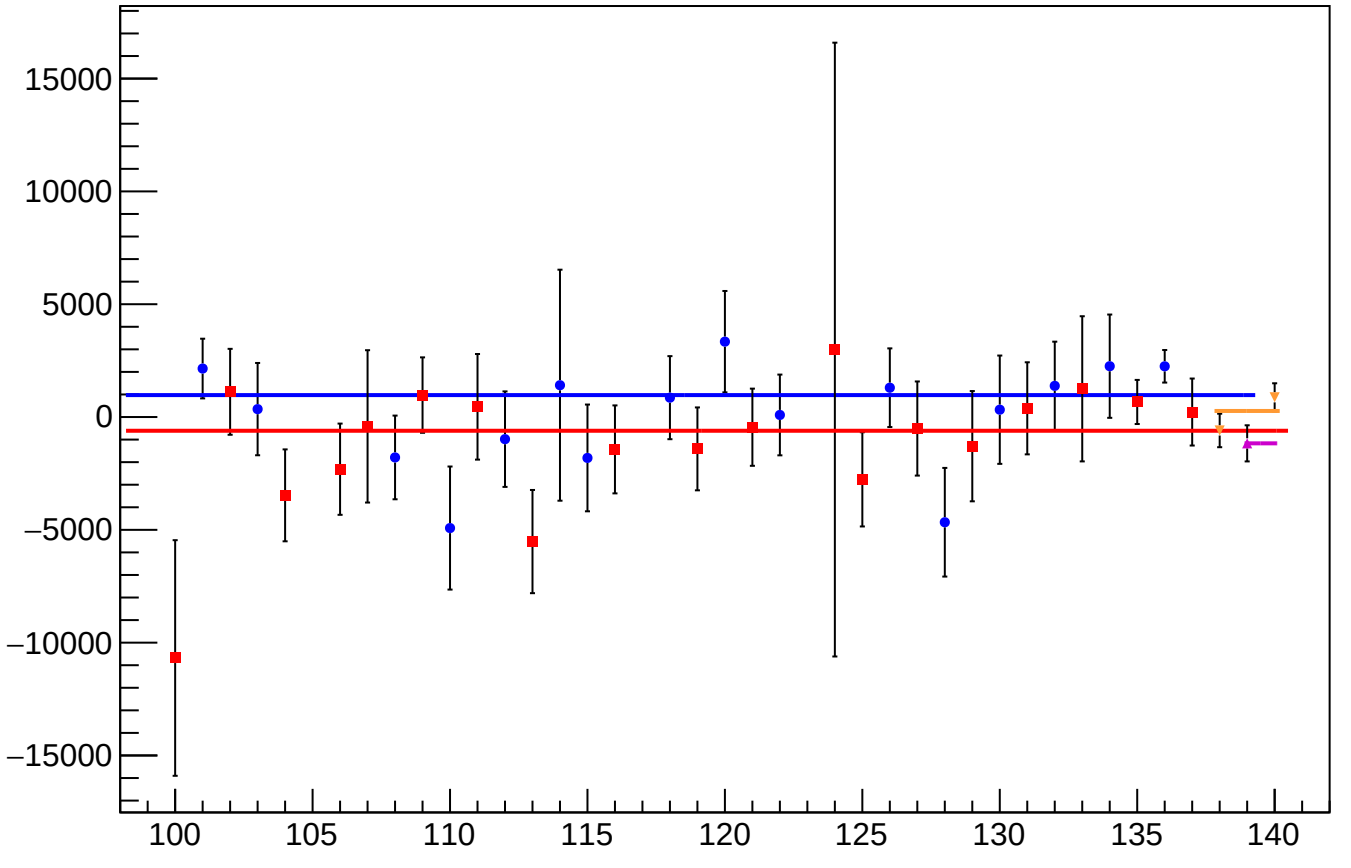
Left: 1286.431+/-0.579 χ^2/NDF: 468.6/2

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1281.139+/-0.324 χ^2/NDF:507082.6/16

Out: 1279.288+/-0.305 χ^2/NDF:221186.3/20

All: 1280.157+/-0.222 χ^2/NDF: 728286.2/37



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 268.805+/-476.626 χ^2/NDF:2.3/1

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -1166.597+/-800.680 χ^2/NDF:0.0/0

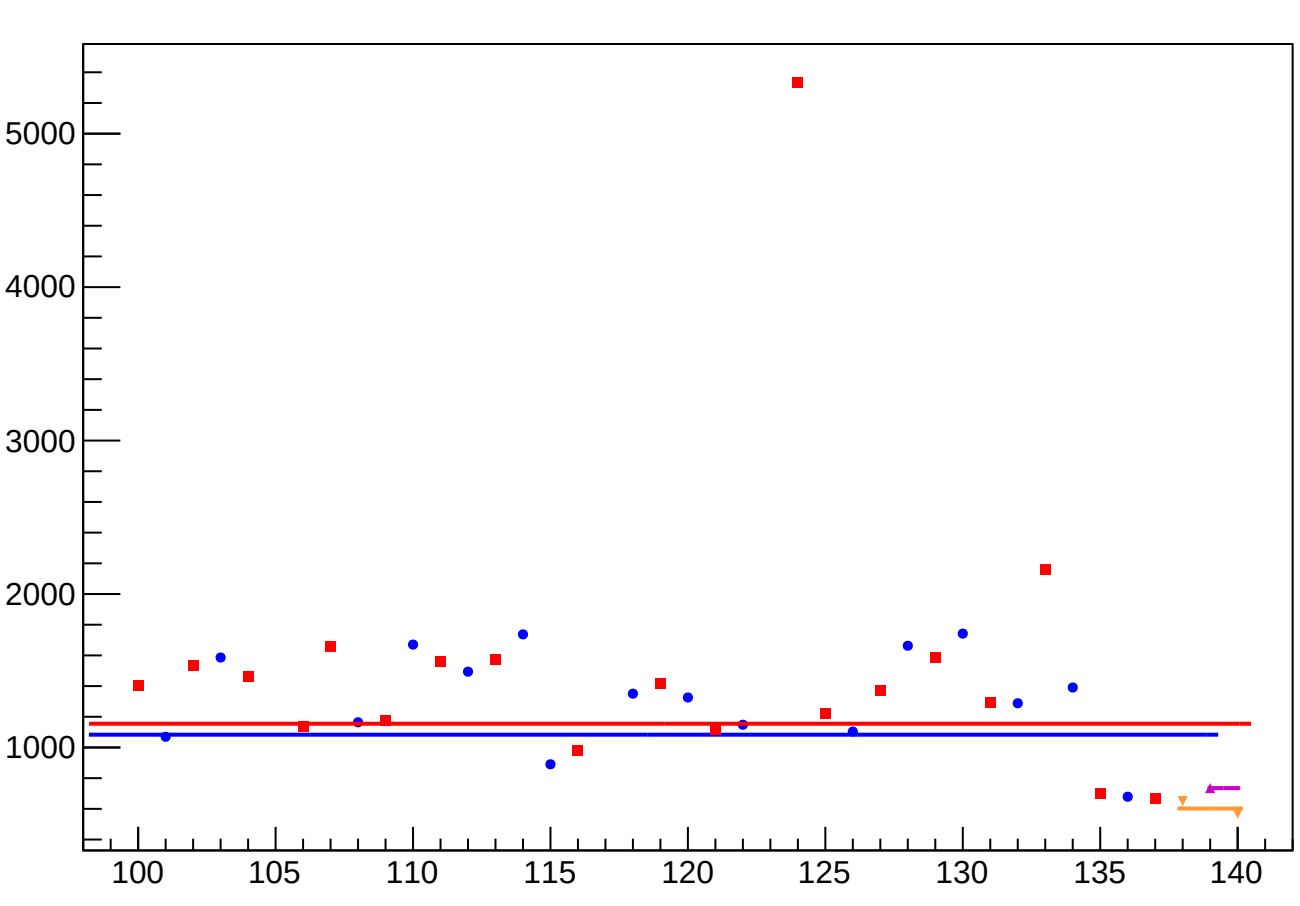
Left: -106.754+/-409.554 χ^2/NDF: 4.7/2

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 501.751+/-375.545 χ^2/NDF:26.0/16

Out: -197.205+/-326.332 χ^2/NDF:21.2/20

All: 103.505+/-246.326 χ^2/NDF: 49.2/37



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 602.065+/-0.337 χ^2/NDF:14404.4/1

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 735.334+/-0.566 χ^2/NDF:0.0/0

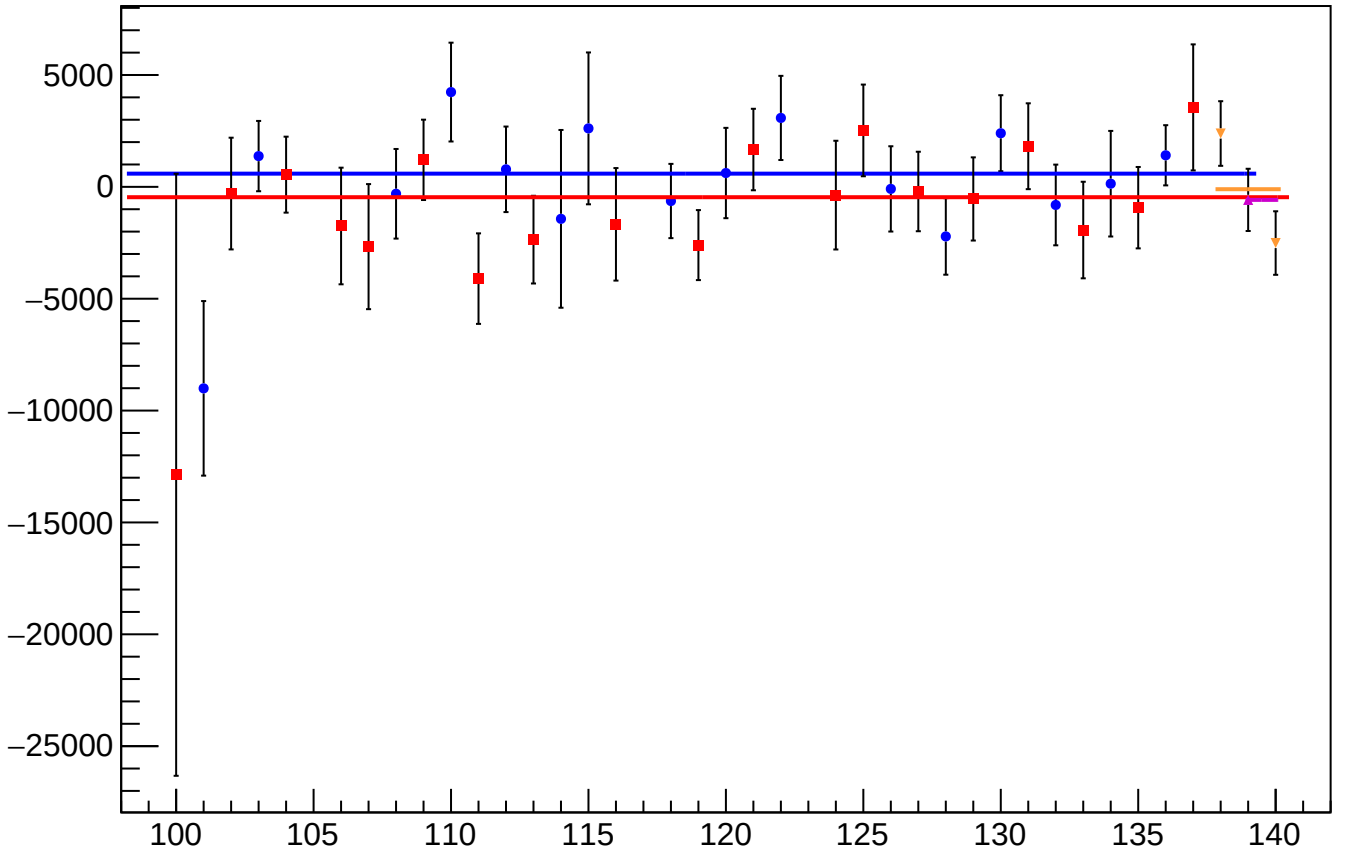
Left: 636.933+/-0.290 χ^2/NDF: 55315.7/2

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 1006.778+/-0.266 χ^2/NDF:1654846.4/16

Out: 895.652+/-0.231 χ^2/NDF:2931173.2/20

All: 943.461+/-0.174 χ^2/NDF: 4685798.6/37



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -105.078+/-1012.604 χ^2/NDF:5.8/1

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -582.327+/-1390.514 χ^2/NDF:0.0/0

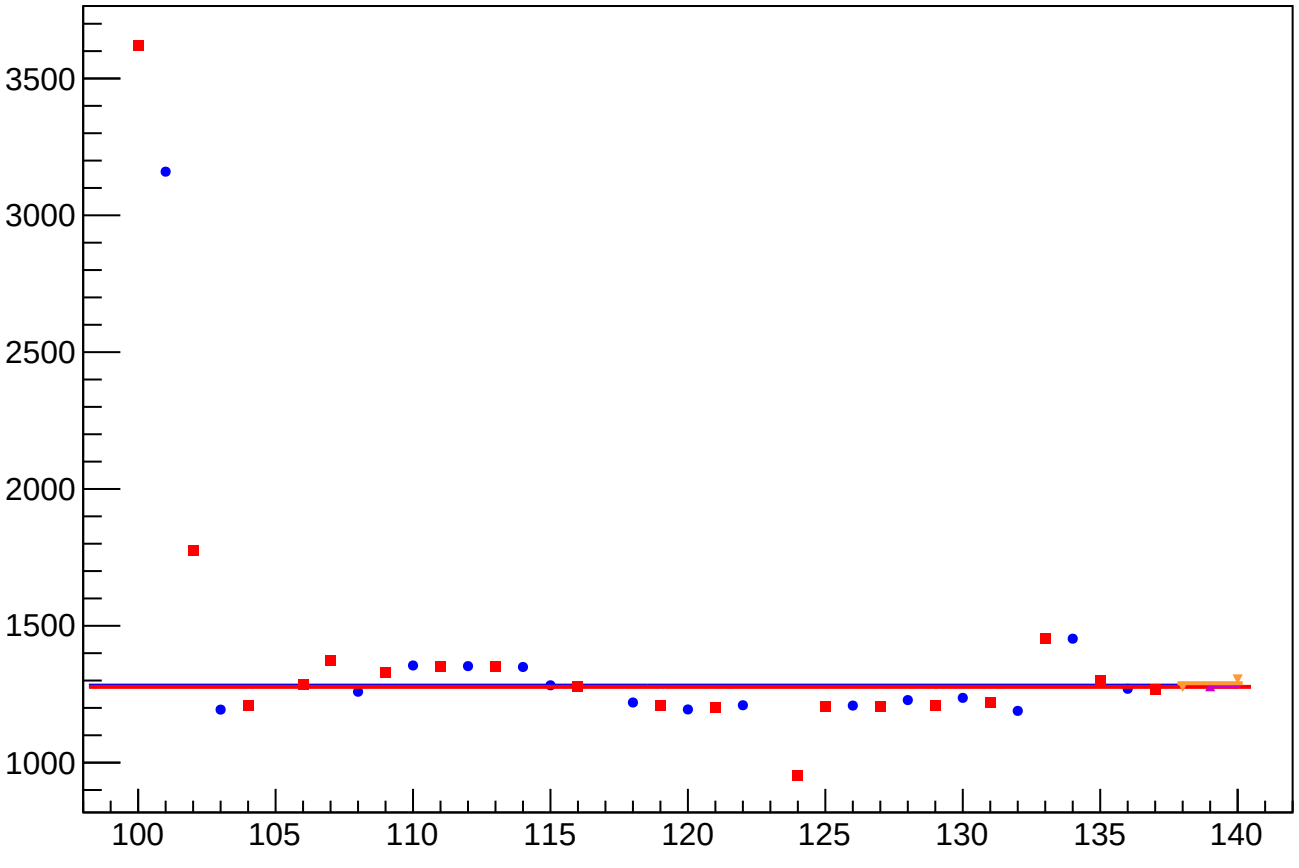
Left: -270.462+/-818.559 χ^2/NDF: 5.9/2

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 462.911+/-458.350 χ^2/NDF:17.7/16

Out: -397.723+/-431.368 χ^2/NDF:22.6/20

All: 6.518+/-314.129 χ^2/NDF: 42.3/37



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1290.238+/-0.716 χ^2/NDF:387.0/1

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1279.254+/-0.983 χ^2/NDF:0.0/0

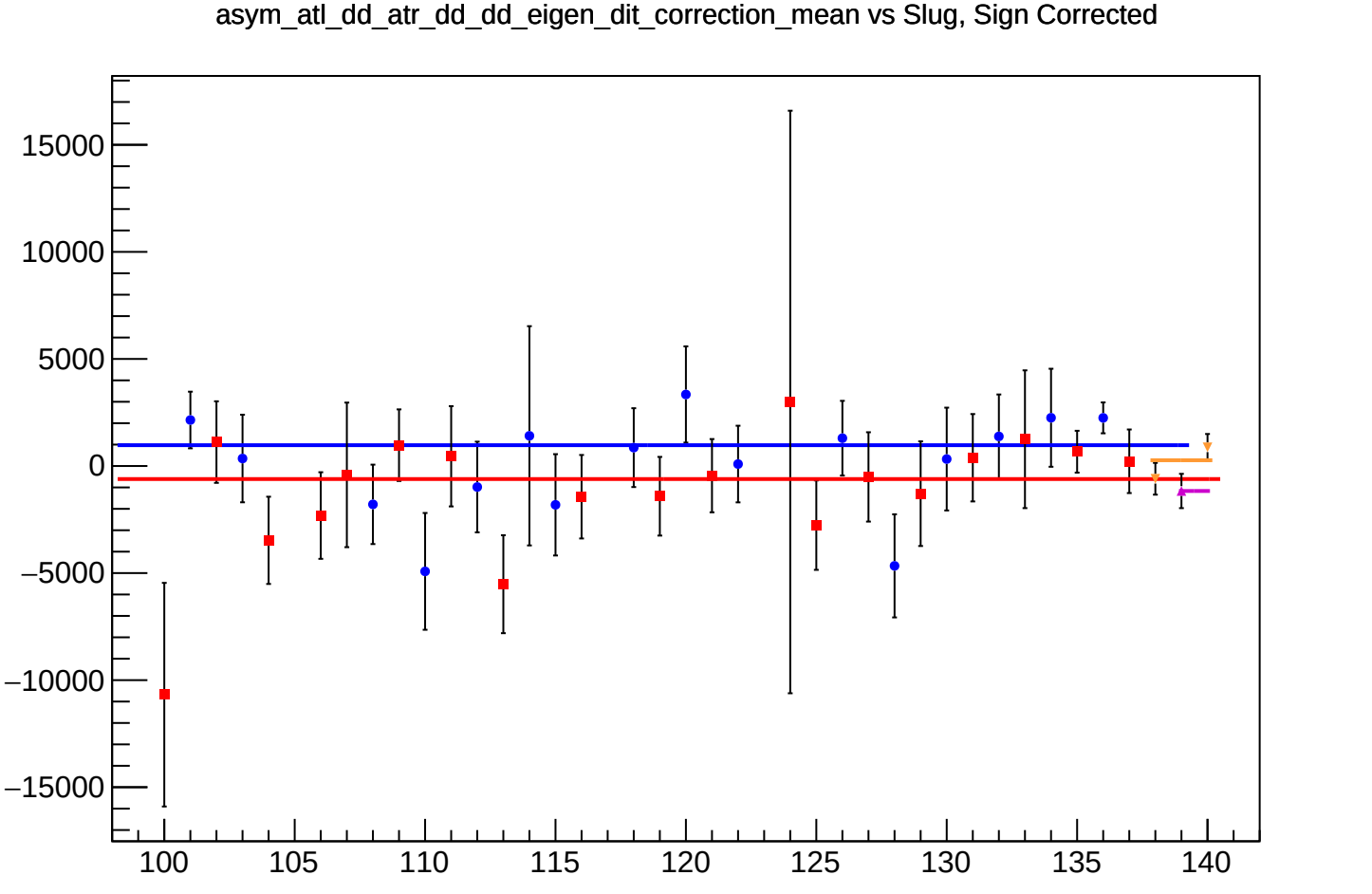
Left: 1286.431+/-0.579 χ^2/NDF: 468.6/2

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1281.139+/-0.324 χ^2/NDF:507082.7/16

Out: 1279.288+/-0.305 χ^2/NDF:221186.2/20

All: 1280.157+/-0.222 χ^2/NDF: 728286.2/37



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 268.810+/-476.631 χ^2/NDF:2.3/1

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -1166.613+/-800.693 χ^2/NDF:0.0/0

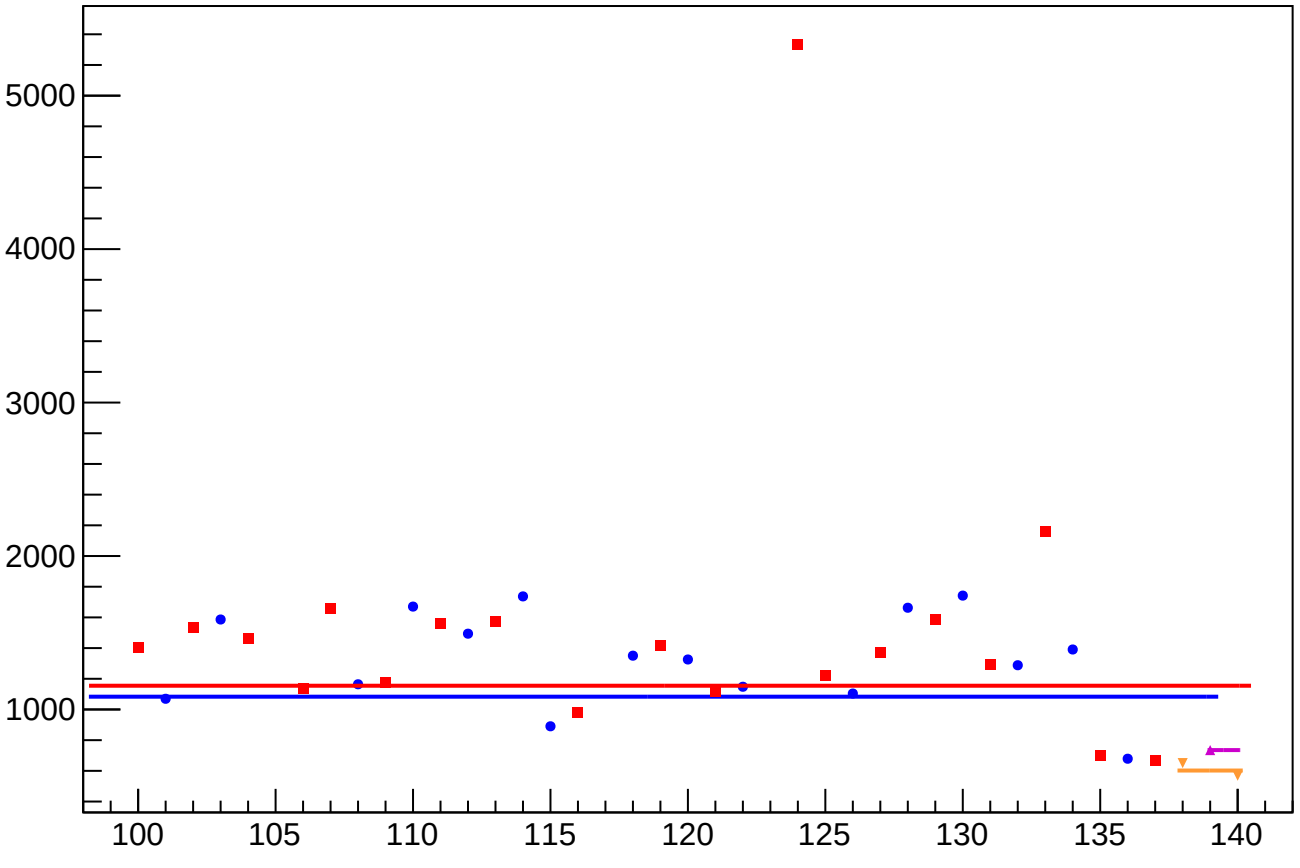
Left: -106.752+/-409.559 χ^2/NDF: 4.7/2

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 501.752+/-375.547 χ^2/NDF:26.0/16

Out: -197.211+/-326.334 χ^2/NDF:21.2/20

All: 103.502+/-246.328 χ^2/NDF: 49.2/37



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 602.071+/-0.337 χ^2/NDF:14407.5/1

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 735.346+/-0.566 χ^2/NDF:0.0/0

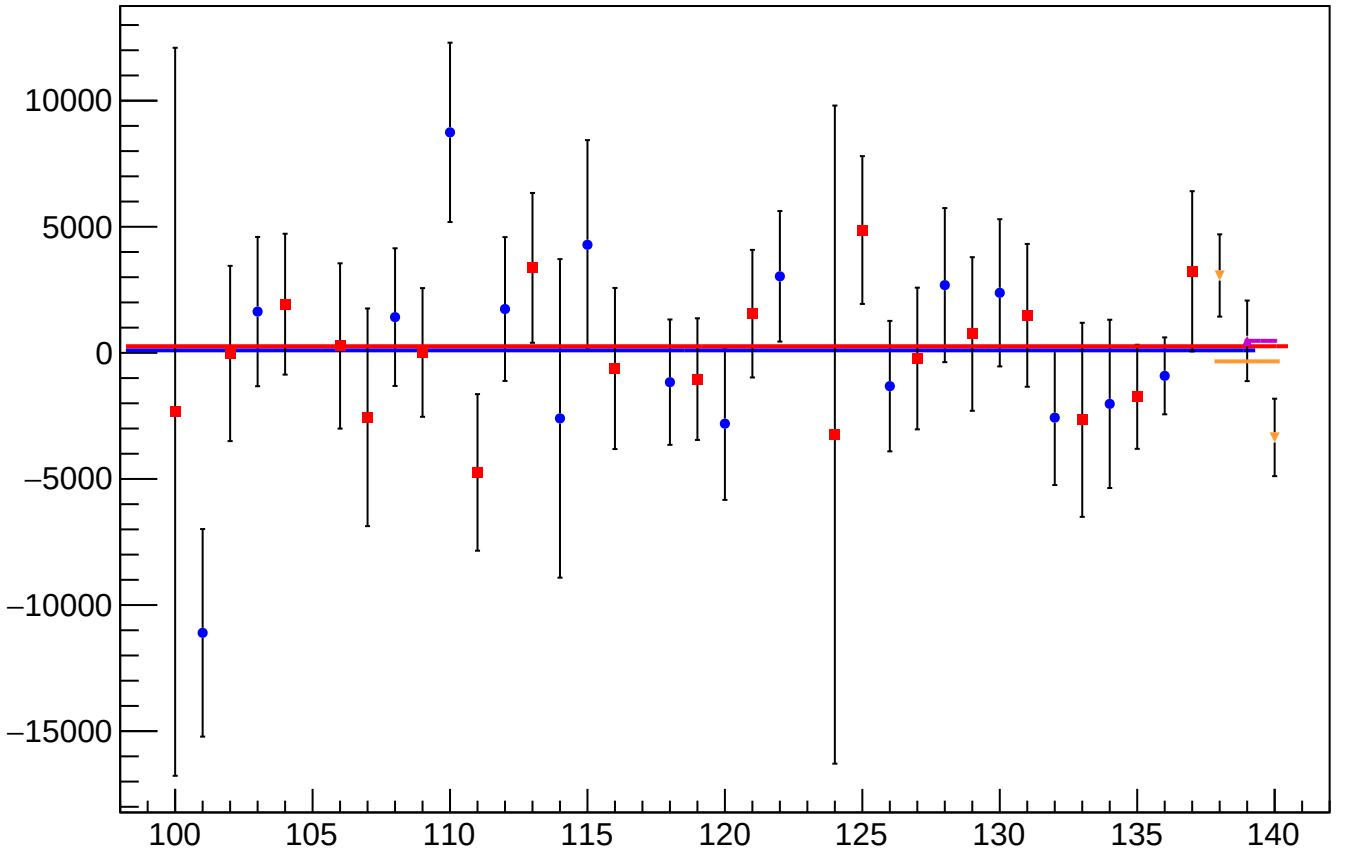
Left: 636.941+/-0.290 χ^2/NDF: 55321.2/2

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 1006.787+/-0.266 χ^2/NDF:1654771.3/16

Out: 895.660+/-0.231 χ^2/NDF:2931107.0/20

All: 943.470+/-0.174 χ^2/NDF: 4685657.0/37



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -336.732+/-1118.070 χ^2/NDF:8.2/1

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 476.945+/-1597.265 χ^2/NDF:0.0/0

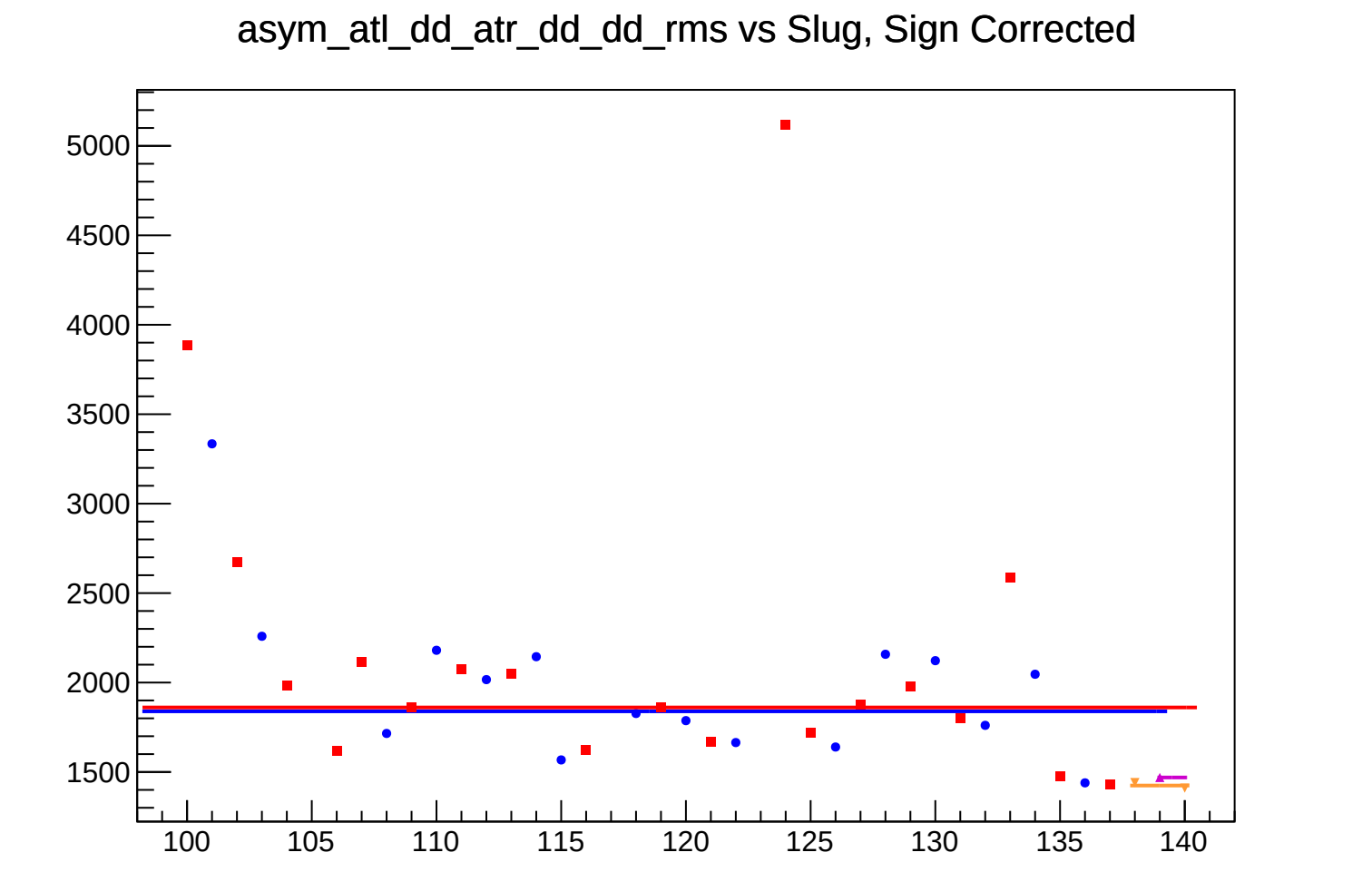
Left: -69.152+/-915.963 χ^2/NDF: 8.4/2

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 160.963+/-640.352 χ^2/NDF:21.3/16

Out: 94.020+/-593.143 χ^2/NDF:18.8/20

All: 124.933+/-435.149 χ^2/NDF: 40.1/37



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1424.369+/-0.791 χ^2/NDF:385.0/1

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1469.404+/-1.129 χ^2/NDF:0.0/0

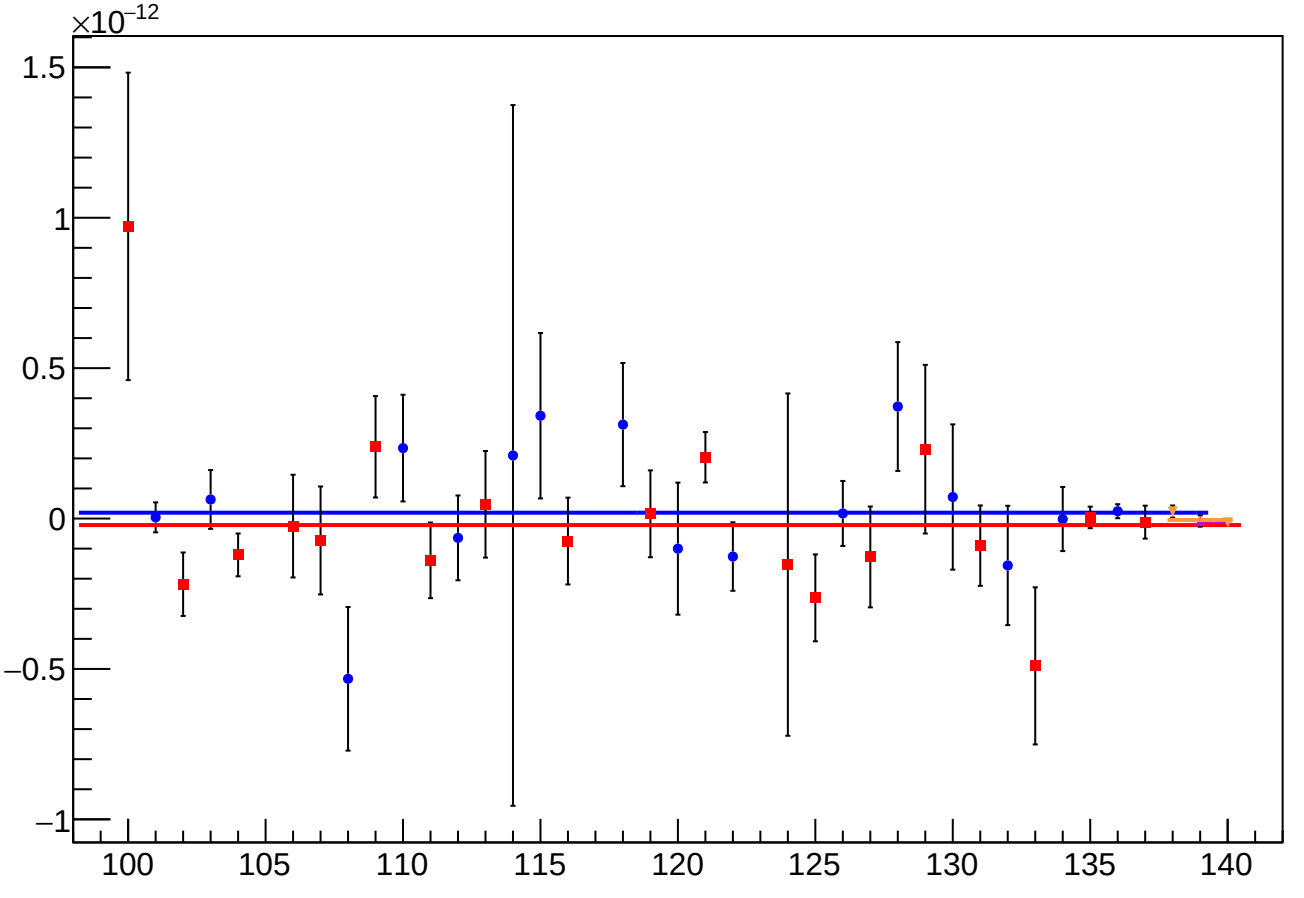
Left: 1439.179+/-0.648 χ^2/NDF: 1452.1/2

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1779.692+/-0.453 χ^2/NDF:646654.7/16

Out: 1737.941+/-0.419 χ^2/NDF:741426.0/20

All: 1757.221+/-0.308 χ^2/NDF: 1392656.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/1

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

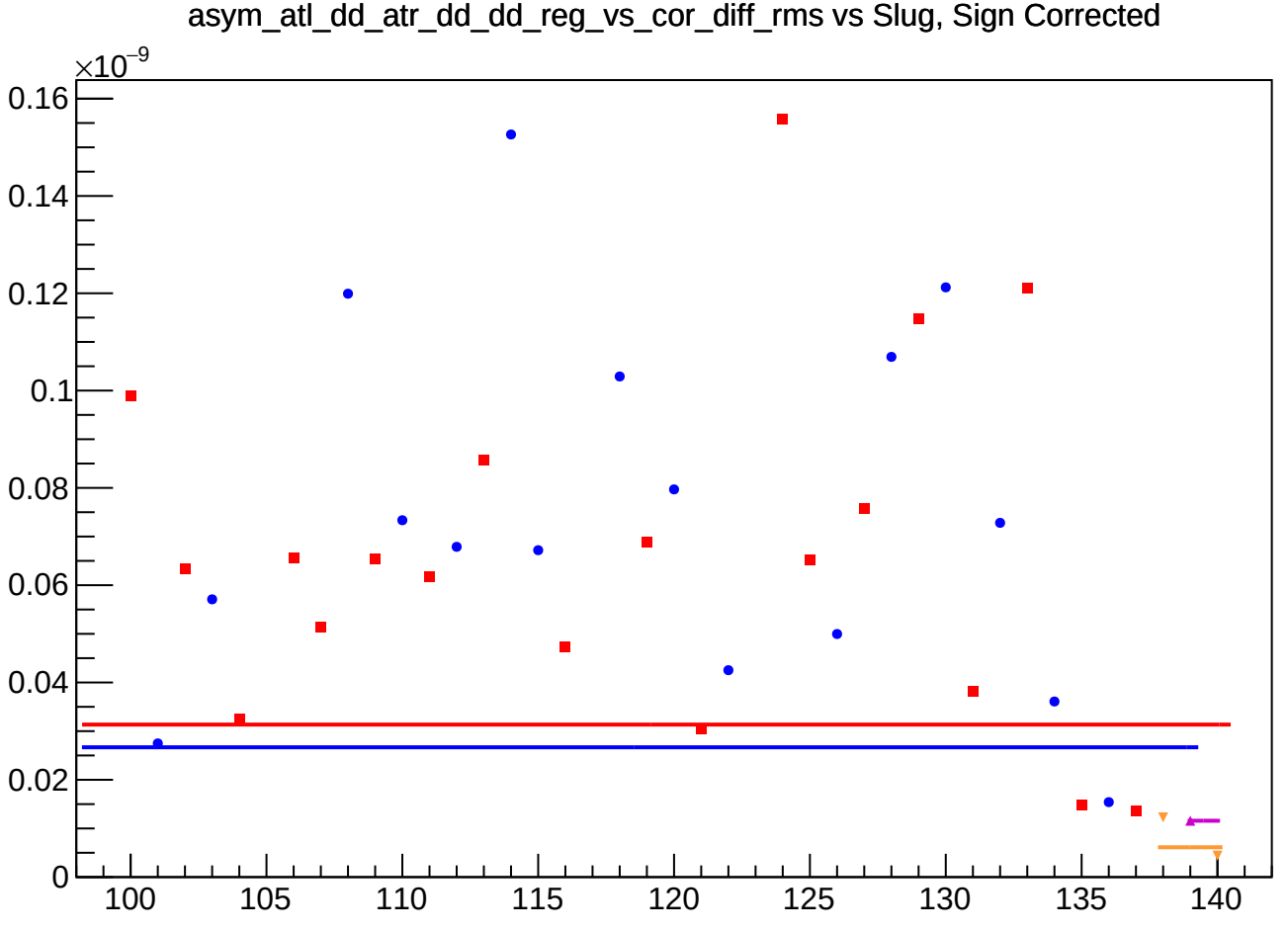
Left: -0.000+/-0.000 χ^2/NDF: 2.5/2

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:17.6/16

Out: -0.000+/-0.000 χ^2/NDF:31.1/20

All: -0.000+/-0.000 χ^2/NDF: 49.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:237810.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 373037.6/2

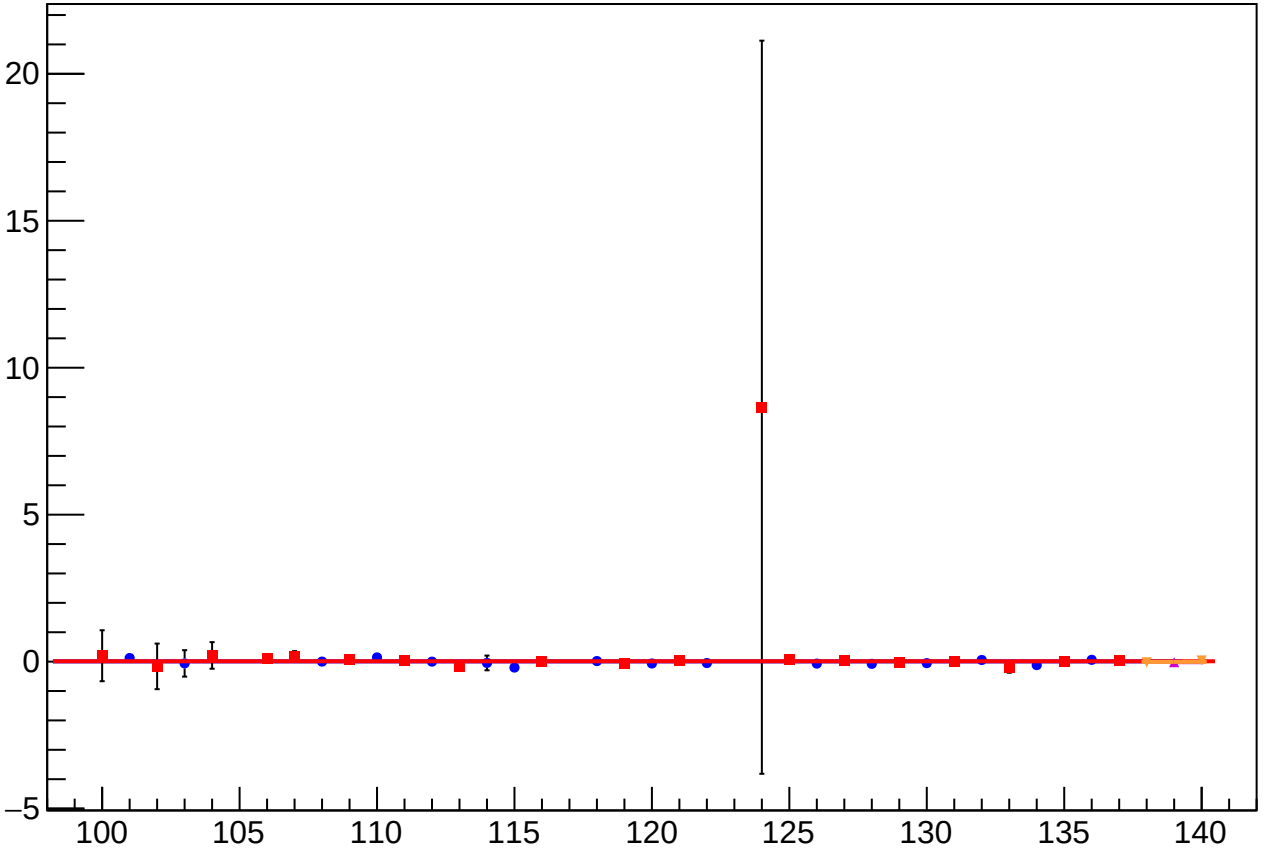
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:3228235.9/16

Out: 0.000+/-0.000 χ^2/NDF:4682434.0/20

All: 0.000+/-0.000 χ^2/NDF: 8574144.3/37

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.027 χ^2/NDF:0.0/0

Left: -0.013+/-0.019 χ^2/NDF: 1.1/2

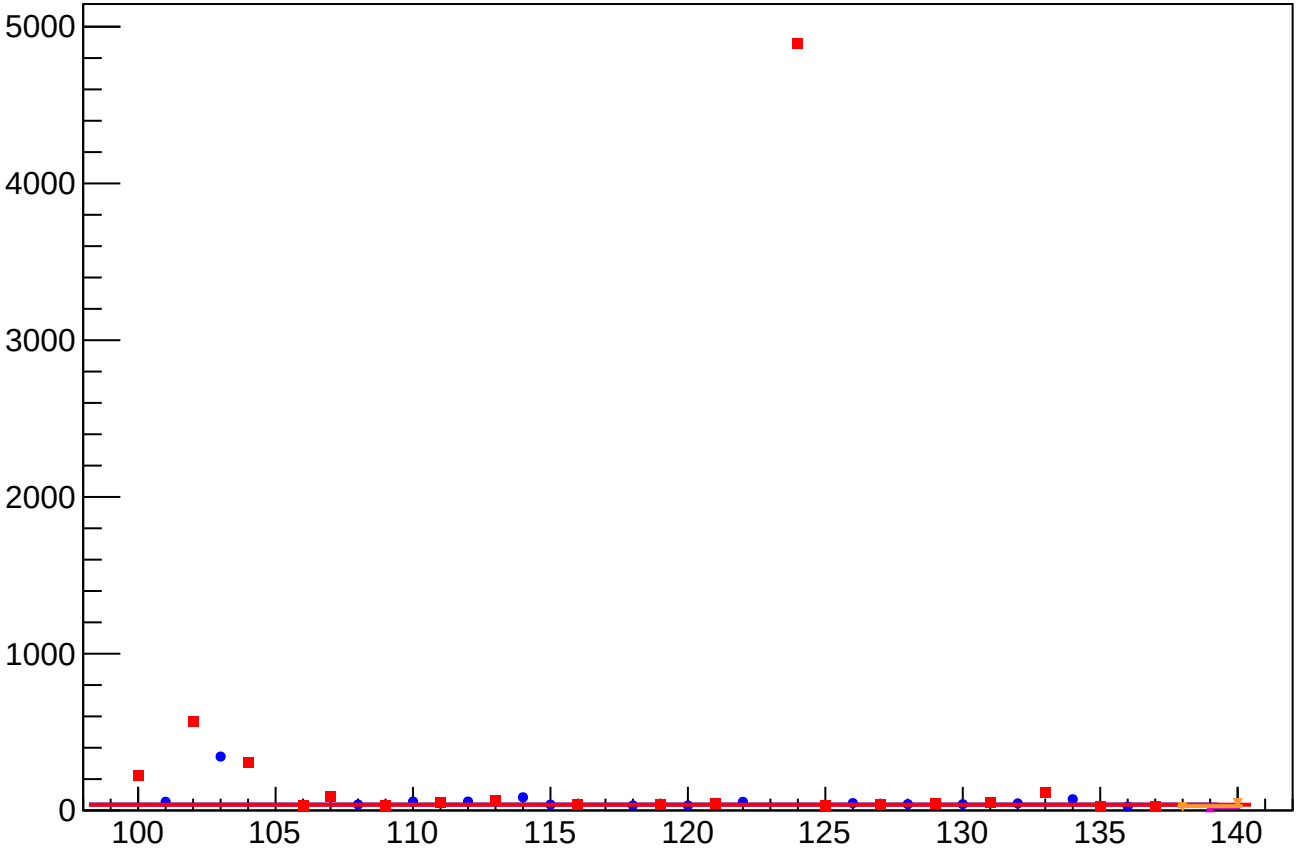
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.001+/-0.014 χ^2/NDF:20.0/16

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.004+/-0.010 χ^2/NDF: 34.2/37

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 27.541+/-0.018 χ^2/NDF:337597.4/1

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 20.394+/-0.019 χ^2/NDF:0.0/0

Left: 24.242+/-0.013 χ^2/NDF: 411582.2/2

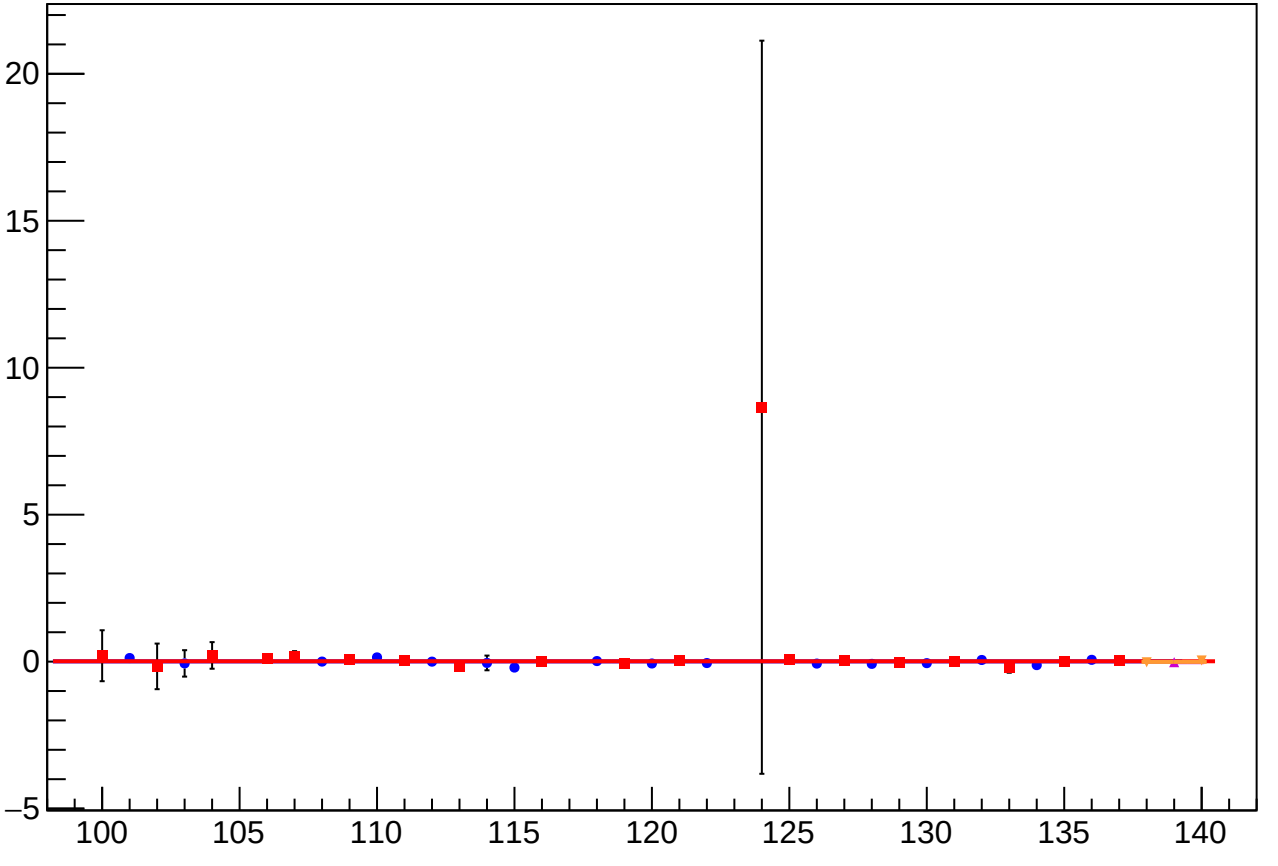
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.082+/-0.010 χ^2/NDF:2566988.4/16

Out: 33.977+/-0.010 χ^2/NDF:3714689.4/20

All: 33.529+/-0.007 χ^2/NDF: 6285847.9/37

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.027 χ^2/NDF:0.0/0

Left: -0.013+/-0.019 χ^2/NDF: 1.1/2

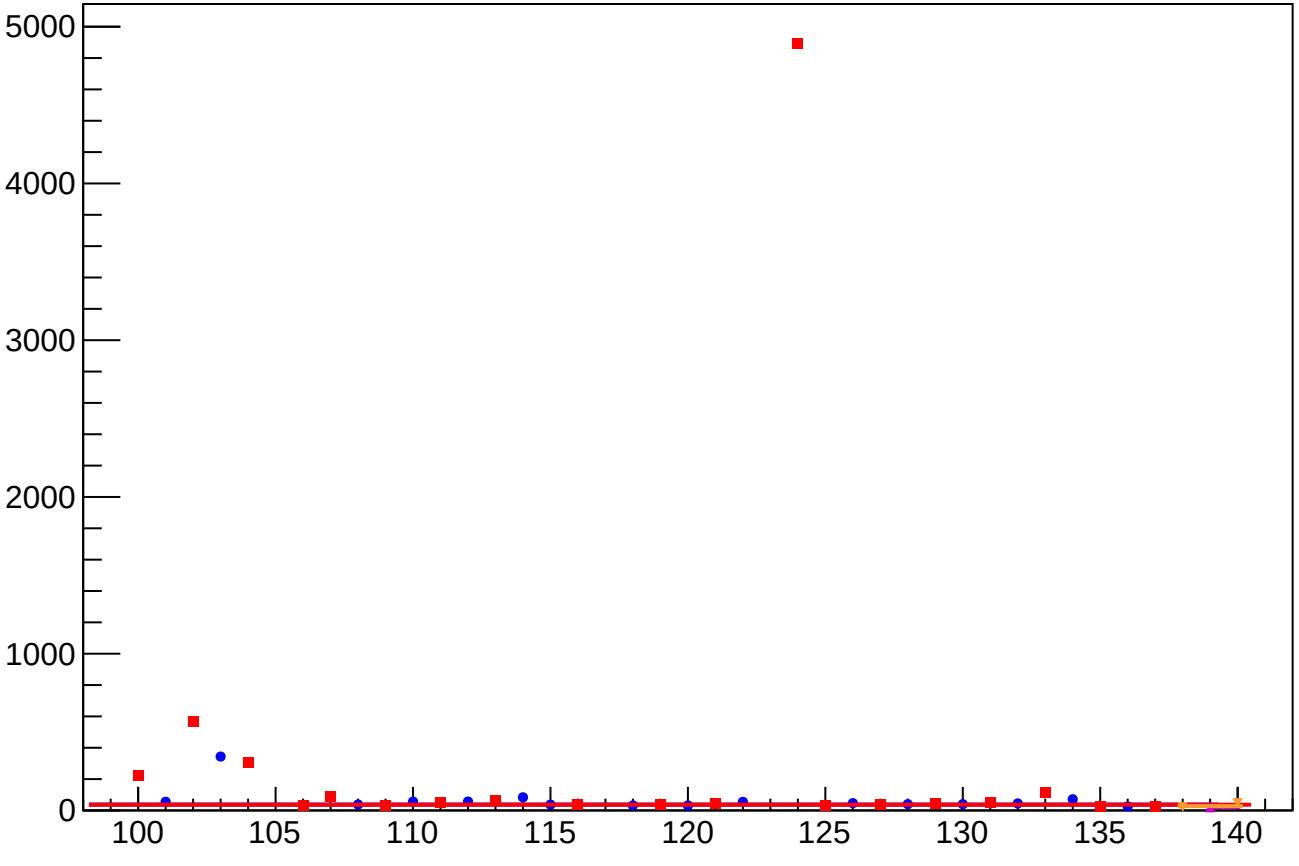
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.001+/-0.014 χ^2/NDF:20.0/16

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.004+/-0.010 χ^2/NDF: 34.2/37

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 27.541+/-0.018 χ^2/NDF:337597.4/1

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 20.394+/-0.019 χ^2/NDF:0.0/0

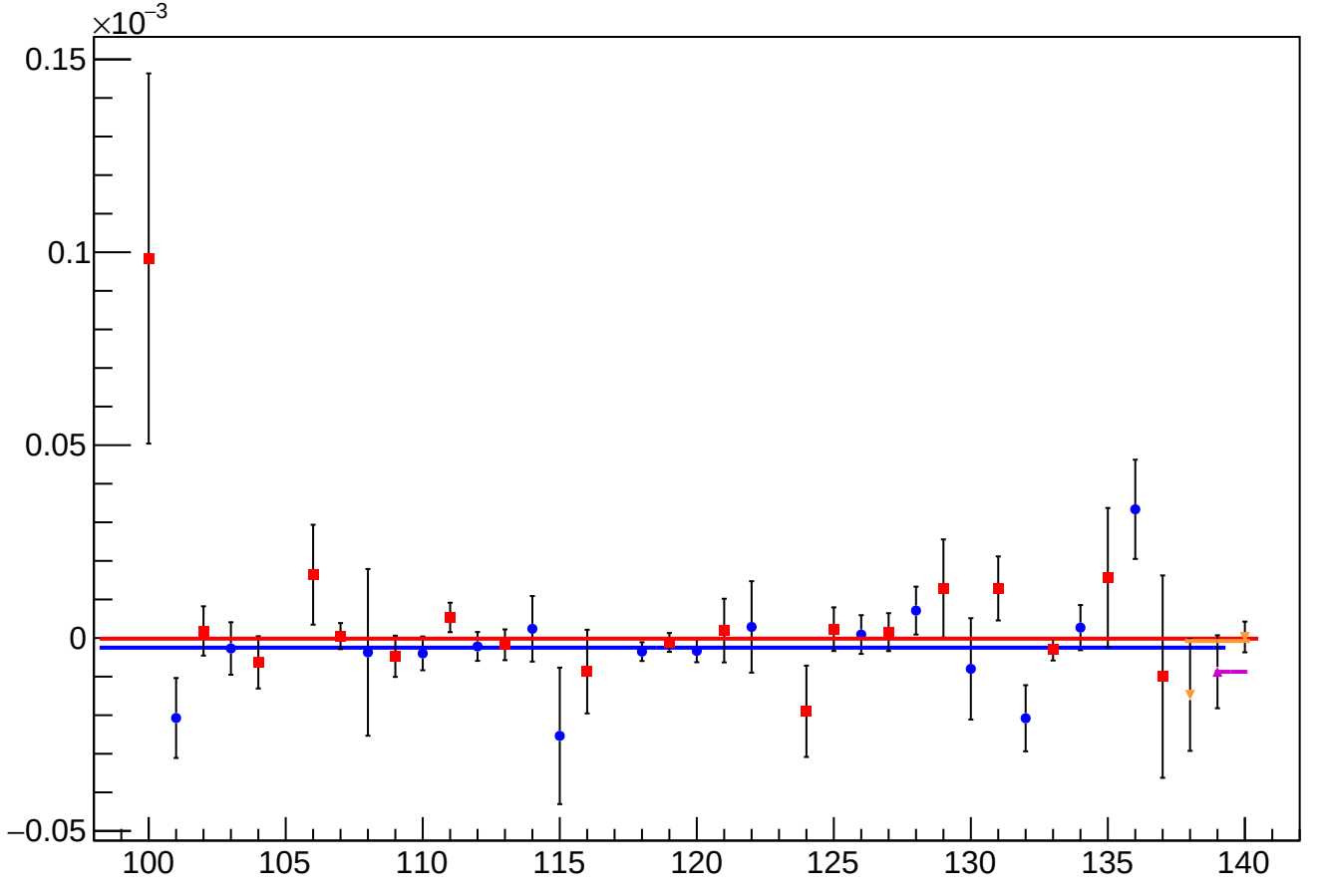
Left: 24.242+/-0.013 χ^2/NDF: 411582.2/2

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.082+/-0.010 χ^2/NDF:2566988.4/16

Out: 33.977+/-0.010 χ^2/NDF:3714689.4/20

All: 33.529+/-0.007 χ^2/NDF: 6285847.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

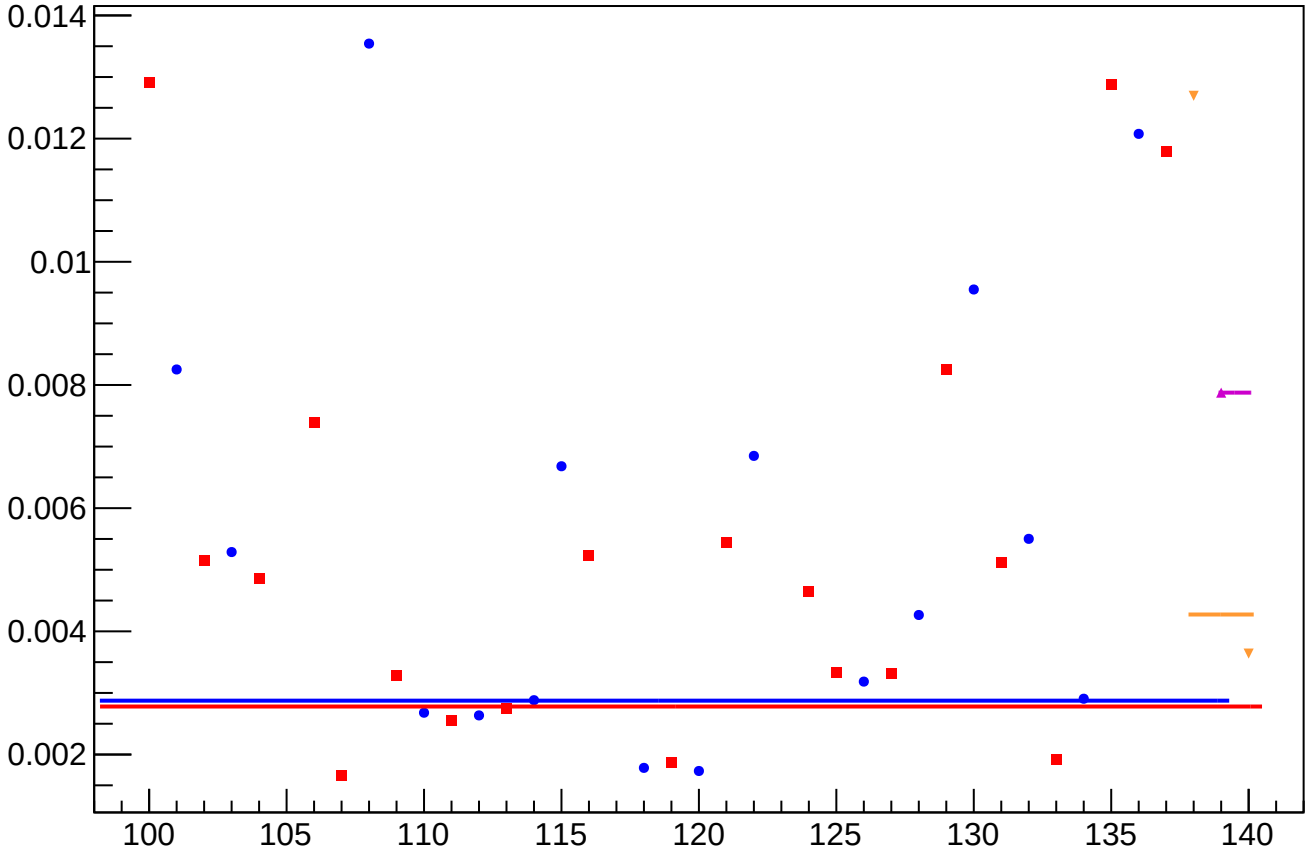
Left: -0.000+/-0.000 χ^2/NDF: 1.6/2

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:22.3/16

Out: -0.000+/-0.000 χ^2/NDF:19.9/20

All: -0.000+/-0.000 χ^2/NDF: 44.1/37



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:726251.8/1

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.008+/-0.000 χ^2/NDF:0.0/0

Left: 0.005+/-0.000 χ^2/NDF: 975451.2/2

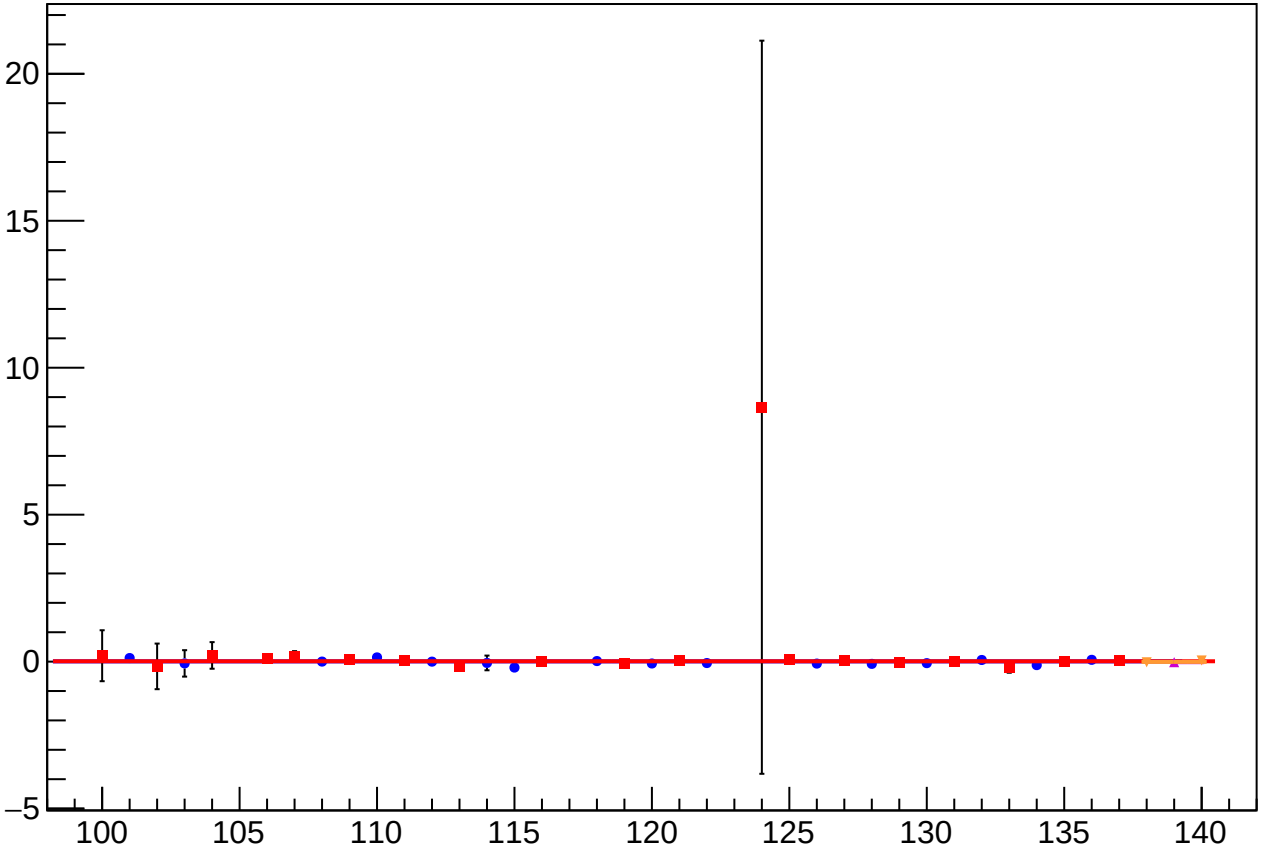
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:4700980.0/16

Out: 0.003+/-0.000 χ^2/NDF:4314752.0/20

All: 0.003+/-0.000 χ^2/NDF: 9018250.6/37

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.027 χ^2/NDF:0.0/0

Left: -0.013+/-0.019 χ^2/NDF: 1.1/2

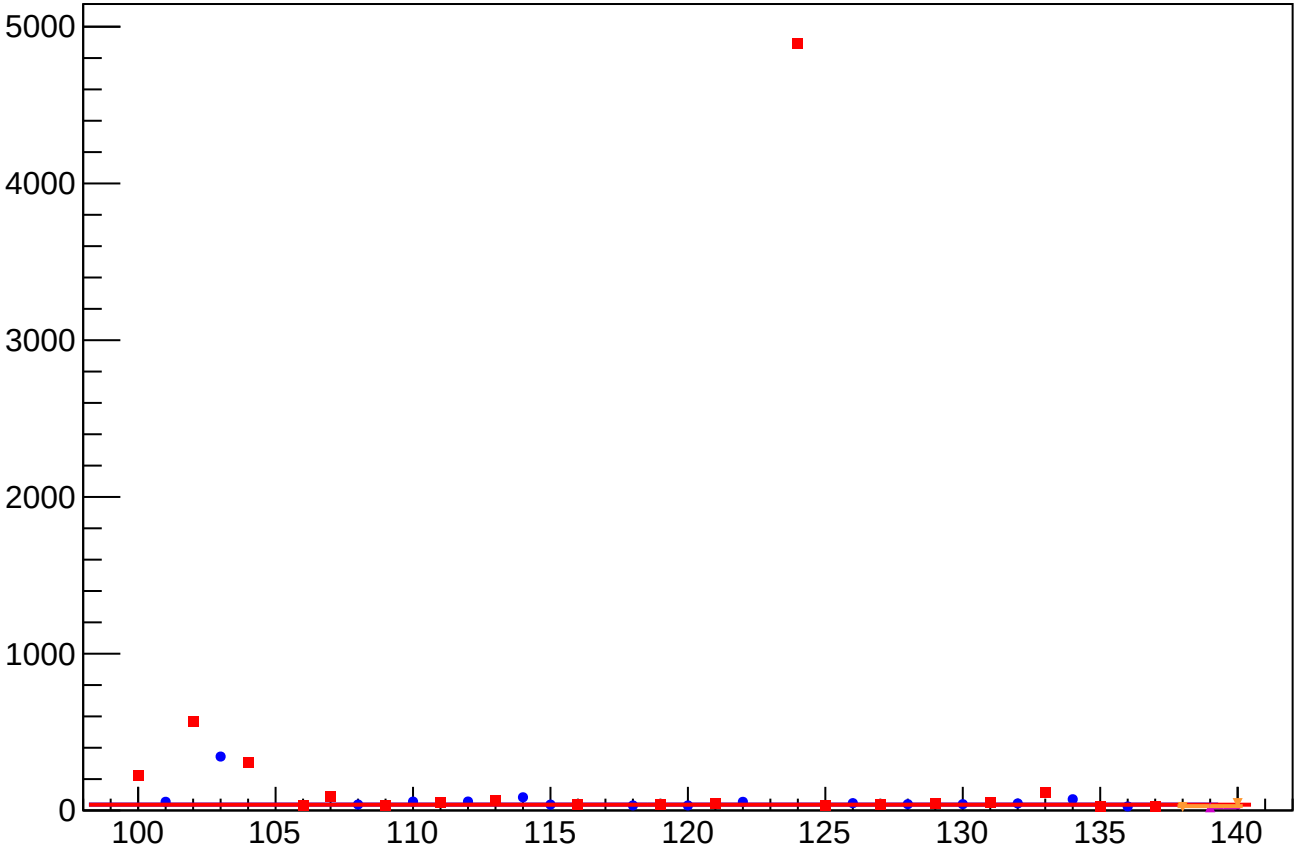
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.001+/-0.014 χ^2/NDF:20.0/16

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.004+/-0.010 χ^2/NDF: 34.2/37

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 27.536+/-0.018 χ^2/NDF:337799.5/1

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 20.403+/-0.019 χ^2/NDF:0.0/0

Left: 24.245+/-0.013 χ^2/NDF: 411494.6/2

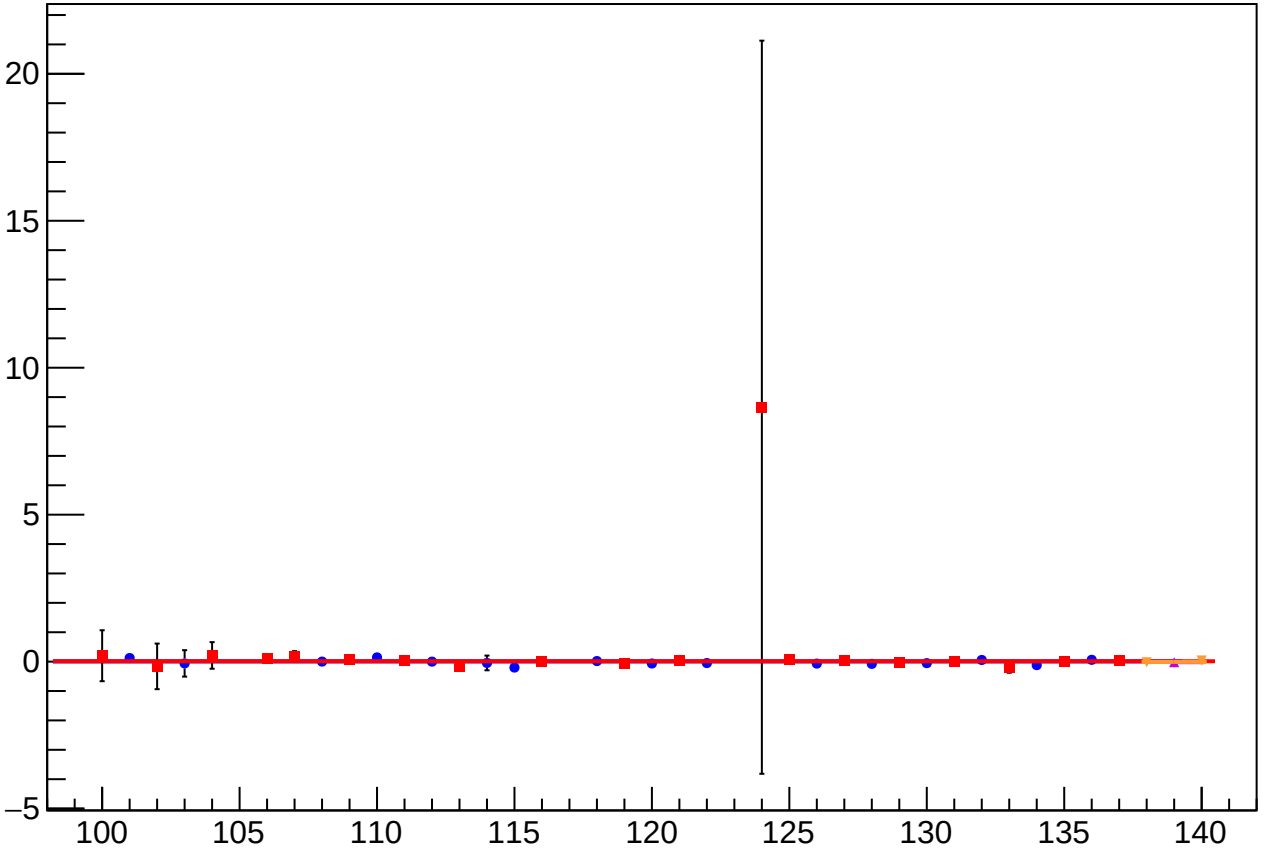
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.087+/-0.010 χ^2/NDF:2566101.1/16

Out: 33.977+/-0.010 χ^2/NDF:3714847.4/20

All: 33.531+/-0.007 χ^2/NDF: 6285072.2/37

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.027 χ^2/NDF:0.0/0

Left: -0.013+/-0.019 χ^2/NDF: 1.1/2

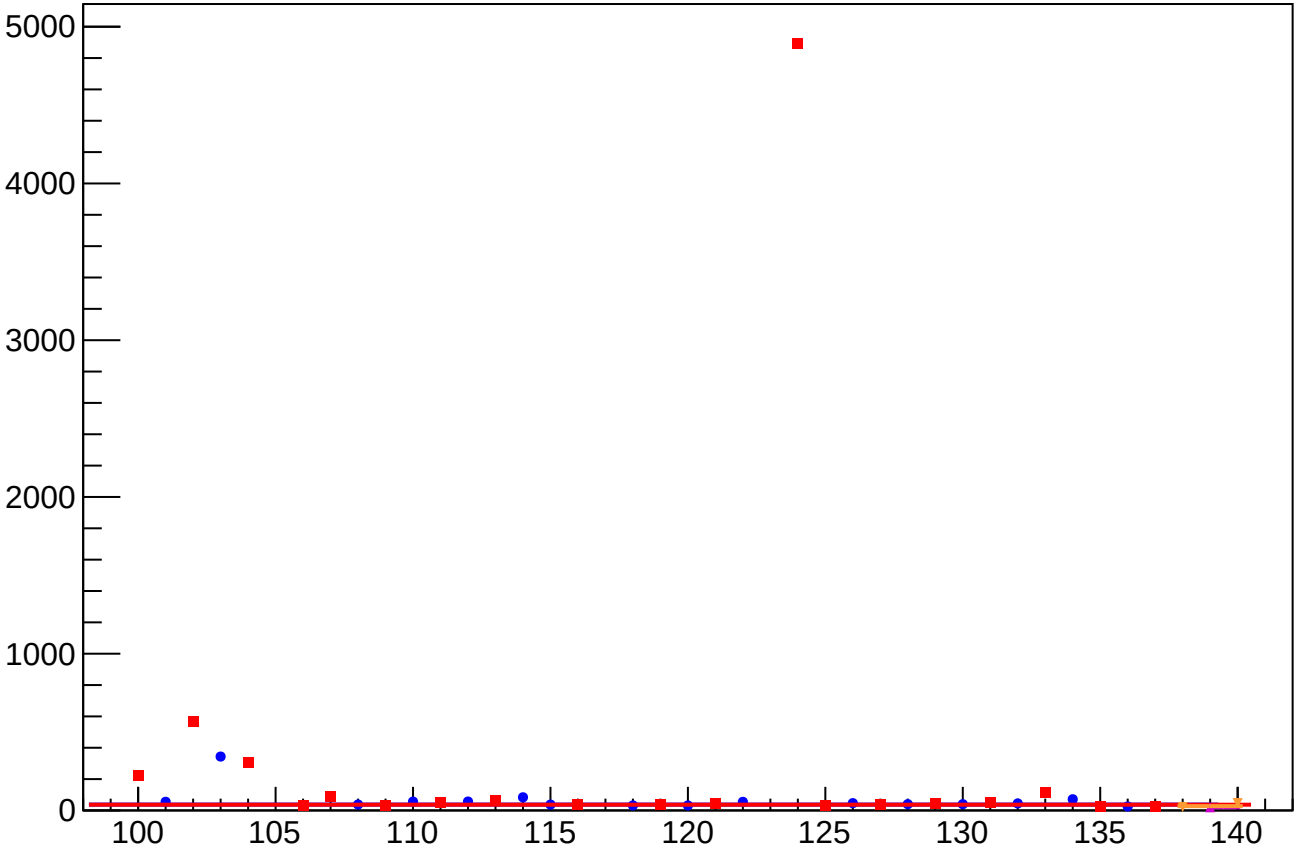
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.001+/-0.014 χ^2/NDF:20.0/16

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.004+/-0.010 χ^2/NDF: 34.2/37

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 27.536+/-0.018 χ^2/NDF:337799.5/1

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 20.403+/-0.019 χ^2/NDF:0.0/0

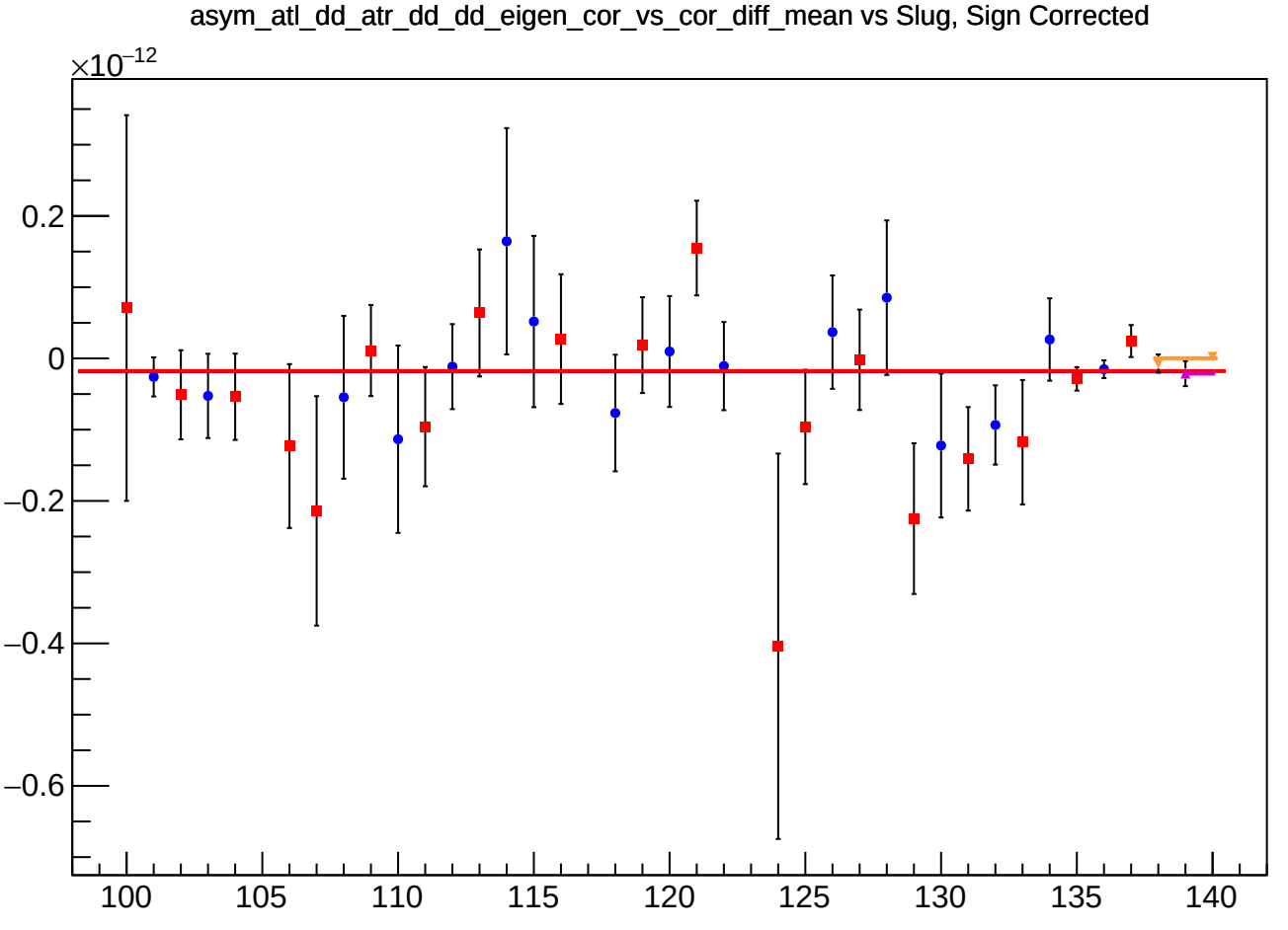
Left: 24.245+/-0.013 χ^2/NDF: 411494.6/2

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.087+/-0.010 χ^2/NDF:2566101.1/16

Out: 33.977+/-0.010 χ^2/NDF:3714847.4/20

All: 33.531+/-0.007 χ^2/NDF: 6285072.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

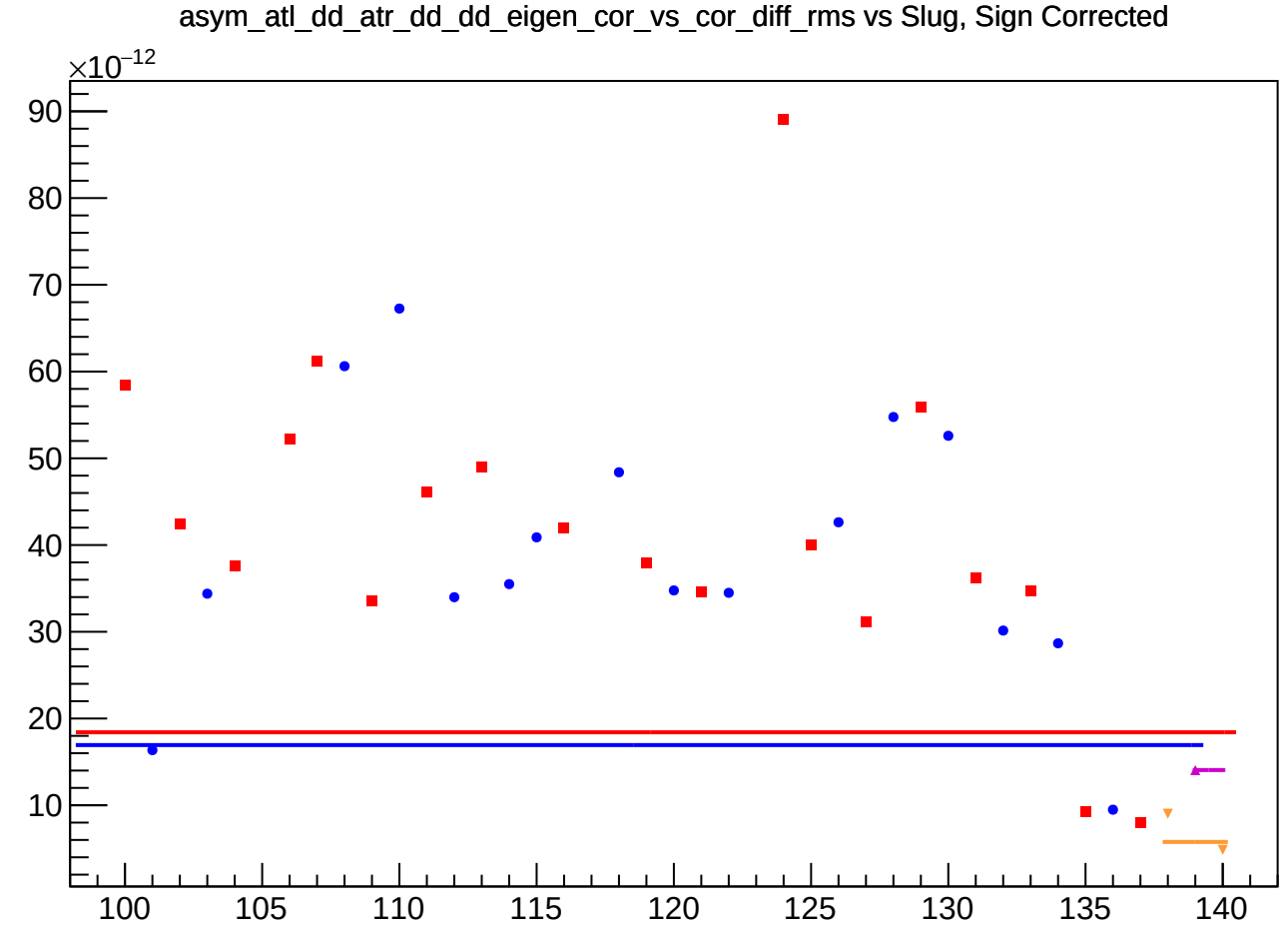
Left: -0.000+/-0.000 χ^2/NDF: 1.8/2

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:8.3/16

Out: -0.000+/-0.000 χ^2/NDF:29.8/20

All: -0.000+/-0.000 χ^2/NDF: 40.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:166621.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

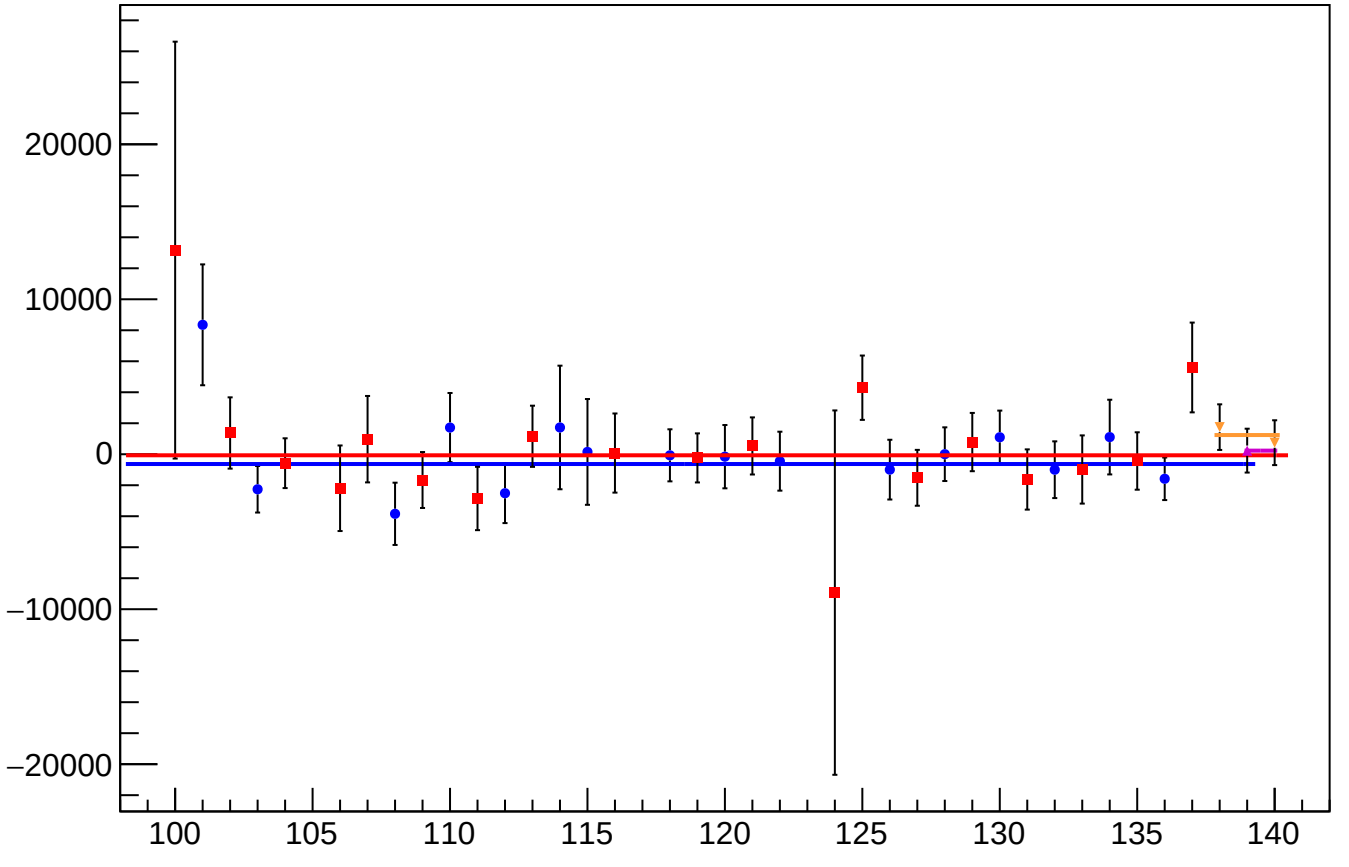
Left: 0.000+/-0.000 χ^2/NDF: 565711.0/2

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:3248594.7/16

Out: 0.000+/-0.000 χ^2/NDF:5867446.0/20

All: 0.000+/-0.000 χ^2/NDF: 10254248.1/37



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.687+/-1031.611 χ^2/NDF:0.2/1

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: 233.052+/-1415.193 χ^2/NDF:0.0/0

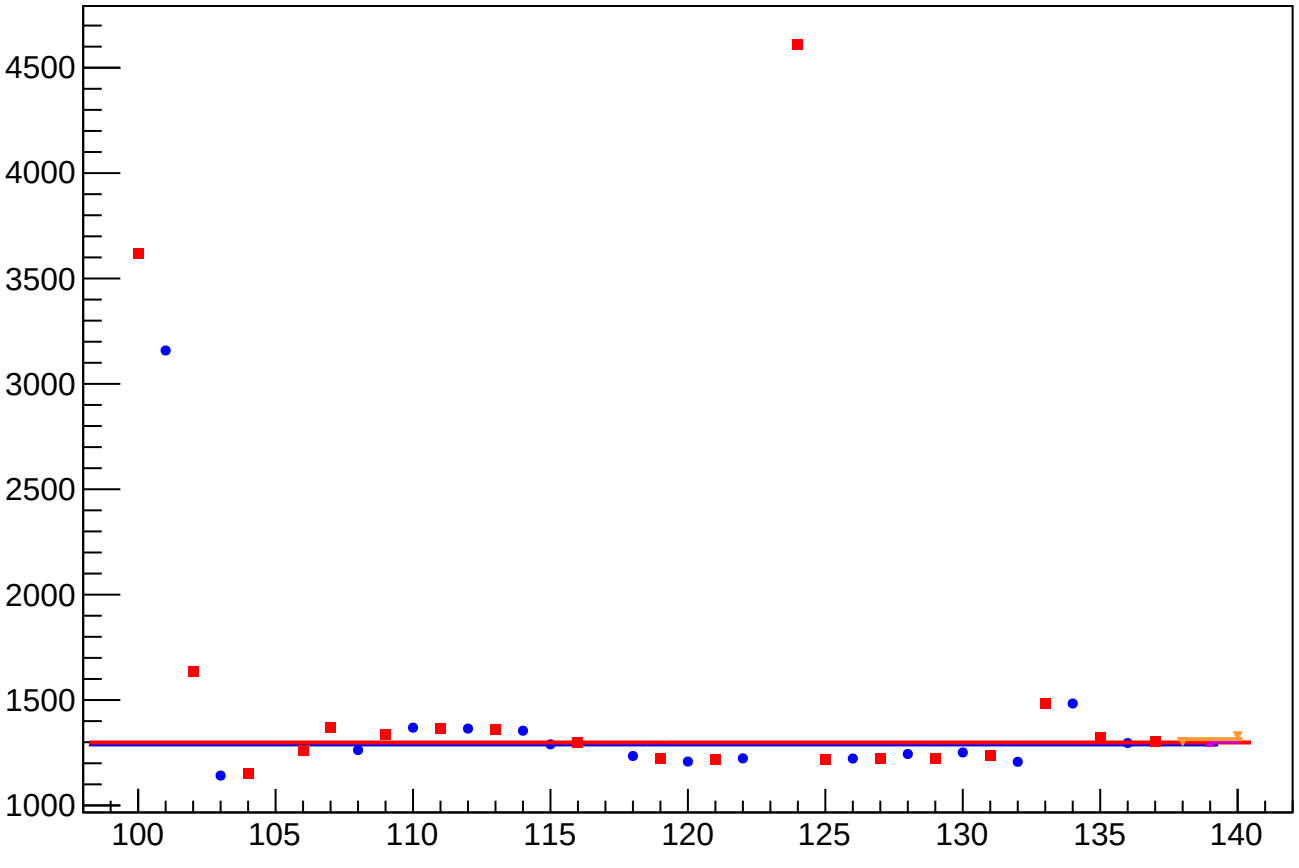
Left: 889.740+/-833.634 χ^2/NDF: 0.6/2

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -538.990+/-461.902 χ^2/NDF:14.2/16

Out: 171.035+/-440.956 χ^2/NDF:17.4/20

All: -167.514+/-318.951 χ^2/NDF: 32.9/37



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1301.933+/-1.001 χ^2/NDF:0.0/0

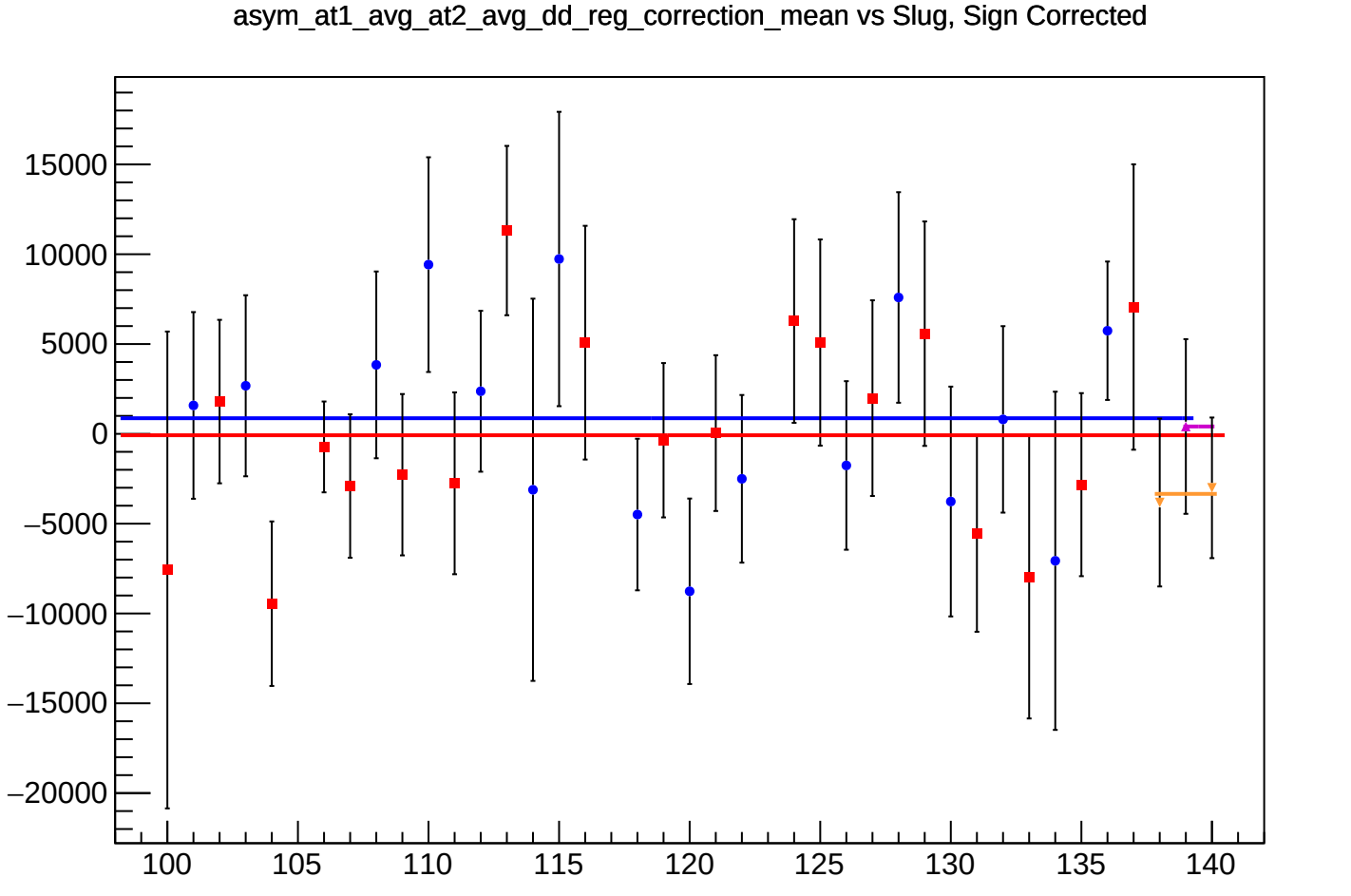
Left: 1310.063+/-0.589 χ^2/NDF: 454.6/2

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1290.794+/-0.327 χ^2/NDF:514813.7/16

Out: 1301.517+/-0.311 χ^2/NDF:320108.6/20

All: 1296.416+/-0.225 χ^2/NDF: 835487.4/37



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -3341.980+/-3000.918 χ^2/NDF:0.0/1

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 410.082+/-4862.047 χ^2/NDF:0.0/0

Left: -2306.930+/-2553.671 χ^2/NDF: 0.4/2

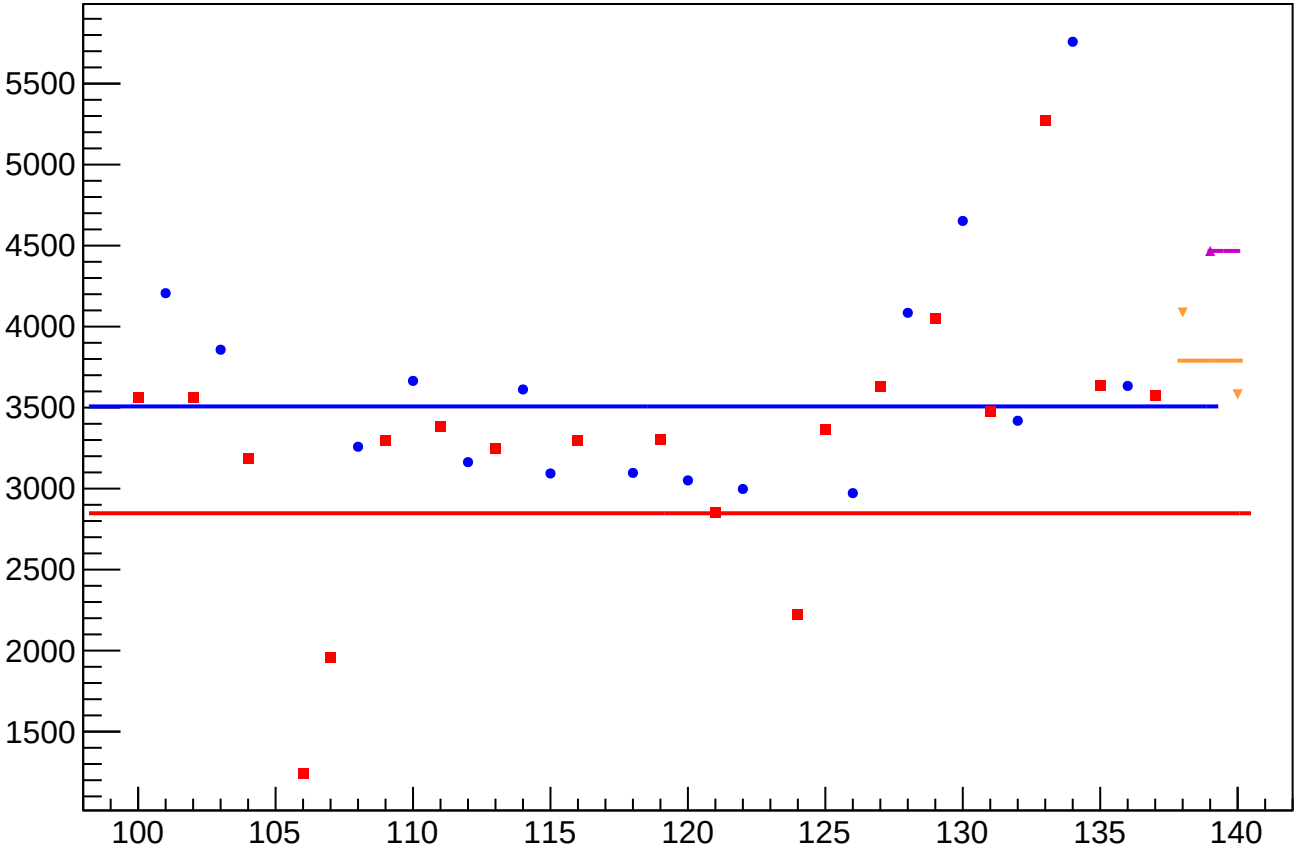
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 838.467+/-1278.629 χ^2/NDF:14.0/16

Out: -470.895+/-1041.951 χ^2/NDF:19.4/20

All: 51.617+/-807.724 χ^2/NDF: 34.1/37

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: 3790.009+/-2.122 χ^2/NDF:13720.0/1

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4467.227+/-3.438 χ^2/NDF:0.0/0

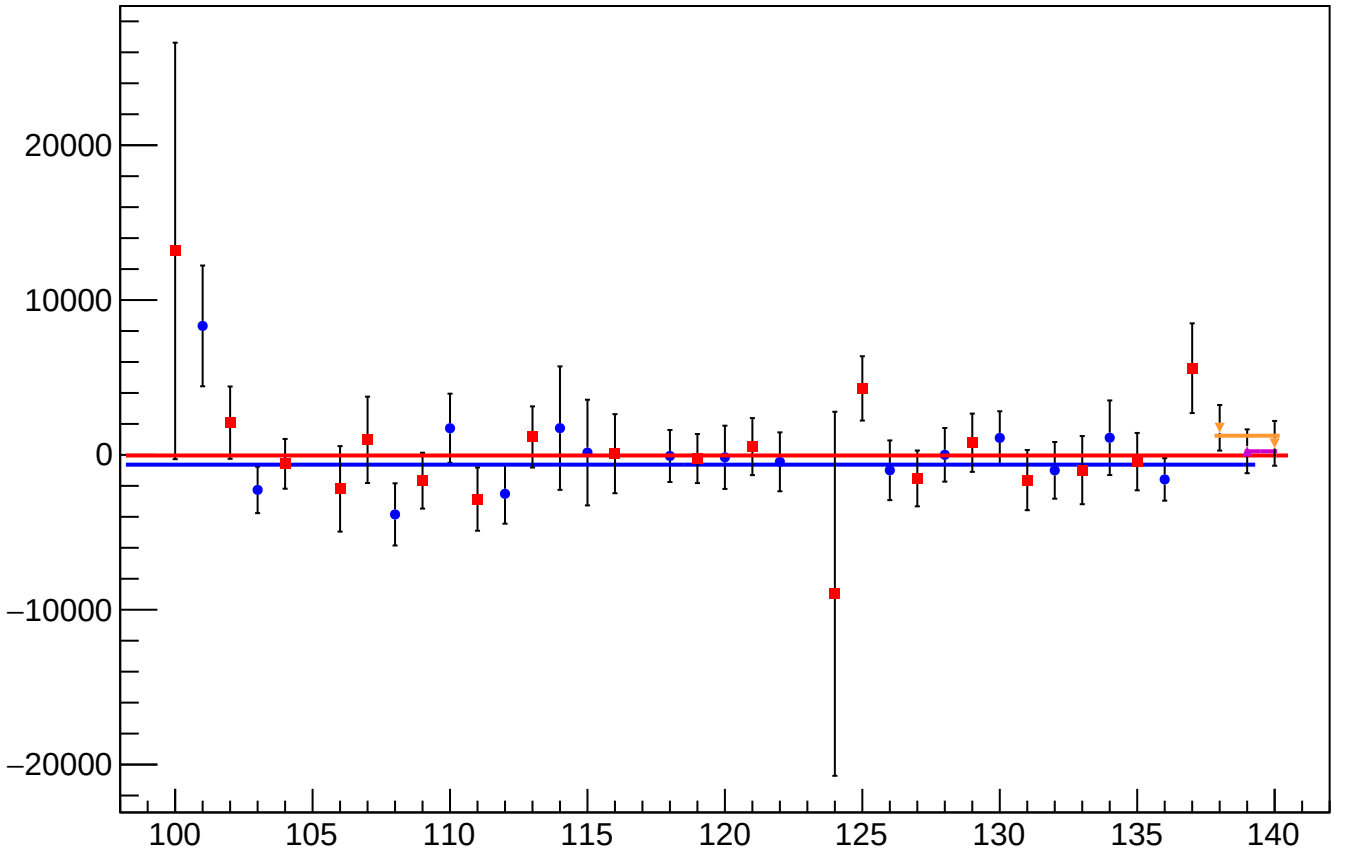
Left: 3976.827+/-1.806 χ^2/NDF: 41817.6/2

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3573.778+/-0.904 χ^2/NDF:426532.1/16

Out: 2961.417+/-0.737 χ^2/NDF:1686471.8/20

All: 3205.785+/-0.571 χ^2/NDF: 2388672.8/37



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF:0.2/1

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 233.286+/-1415.193 χ^2/NDF:0.0/0

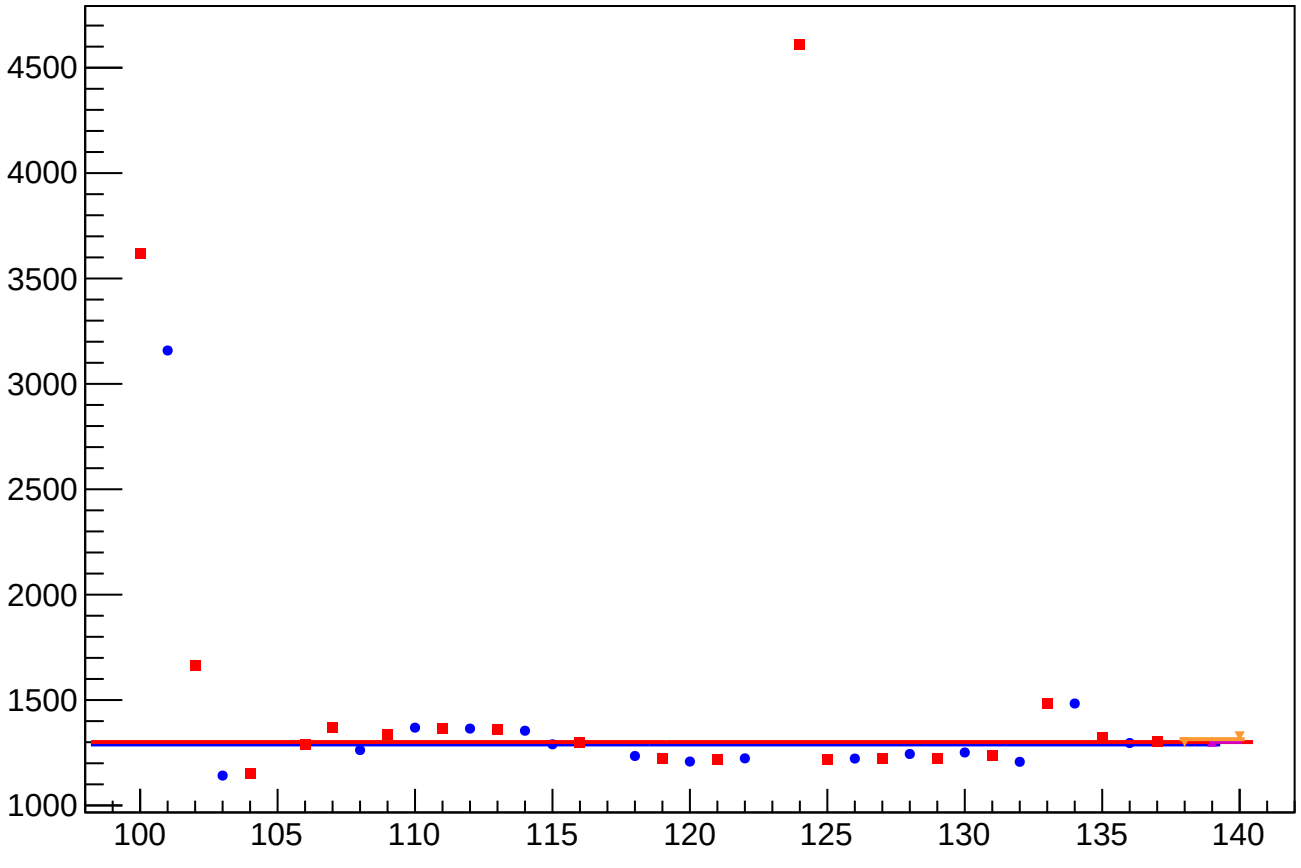
Left: 889.770+/-833.634 χ^2/NDF: 0.6/2

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -539.310+/-461.902 χ^2/NDF:14.2/16

Out: 194.991+/-441.195 χ^2/NDF:17.8/20

All: -155.332+/-319.041 χ^2/NDF: 33.3/37



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1301.933+/-1.001 χ^2/NDF:0.0/0

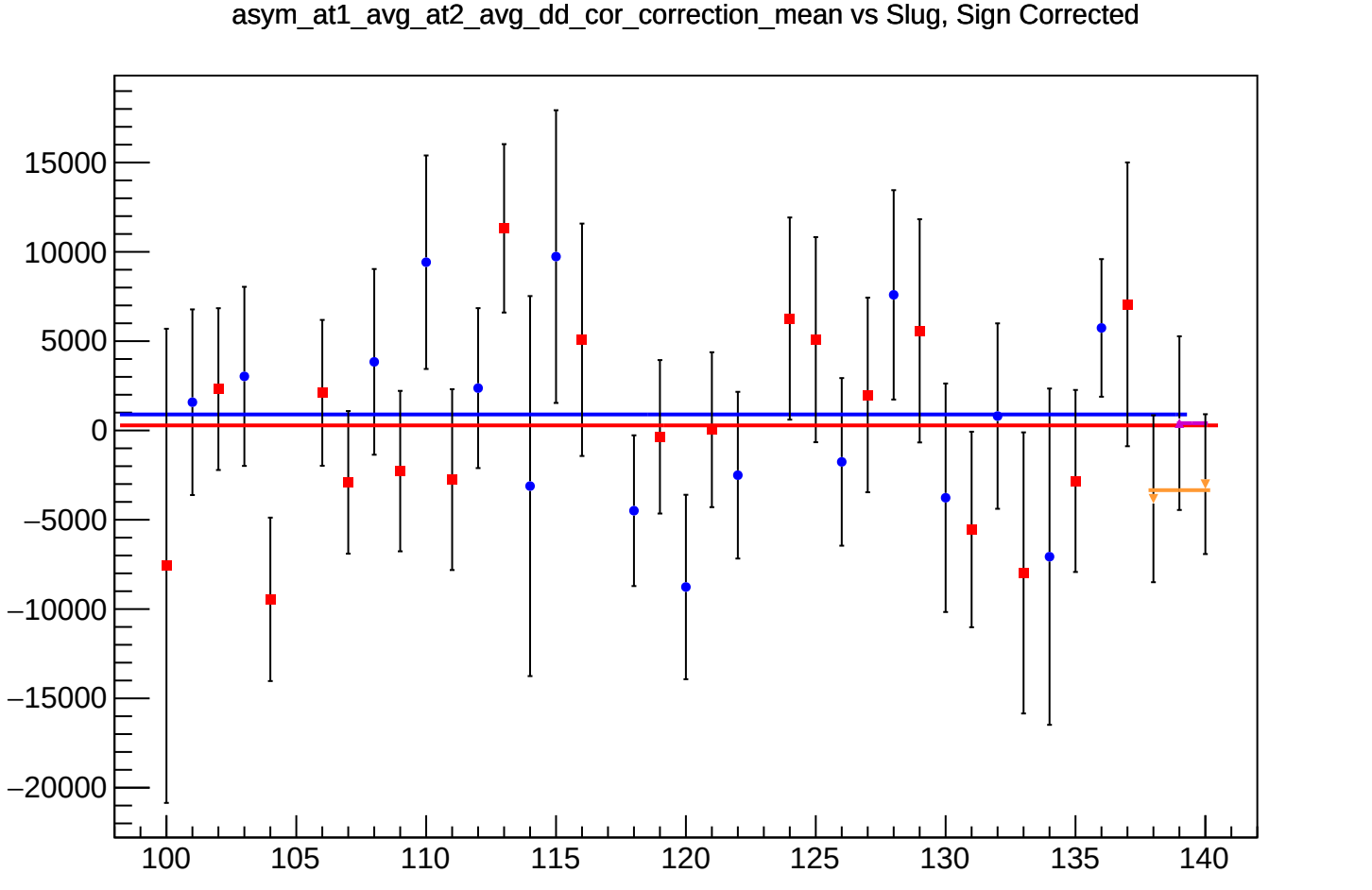
Left: 1310.063+/-0.589 χ^2/NDF: 454.6/2

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1290.794+/-0.327 χ^2/NDF:514815.2/16

Out: 1303.182+/-0.311 χ^2/NDF:326549.5/20

All: 1297.281+/-0.225 χ^2/NDF: 842118.0/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3342.029+/-3000.914 χ^2/NDF:0.0/1

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 410.057+/-4862.030 χ^2/NDF:0.0/0

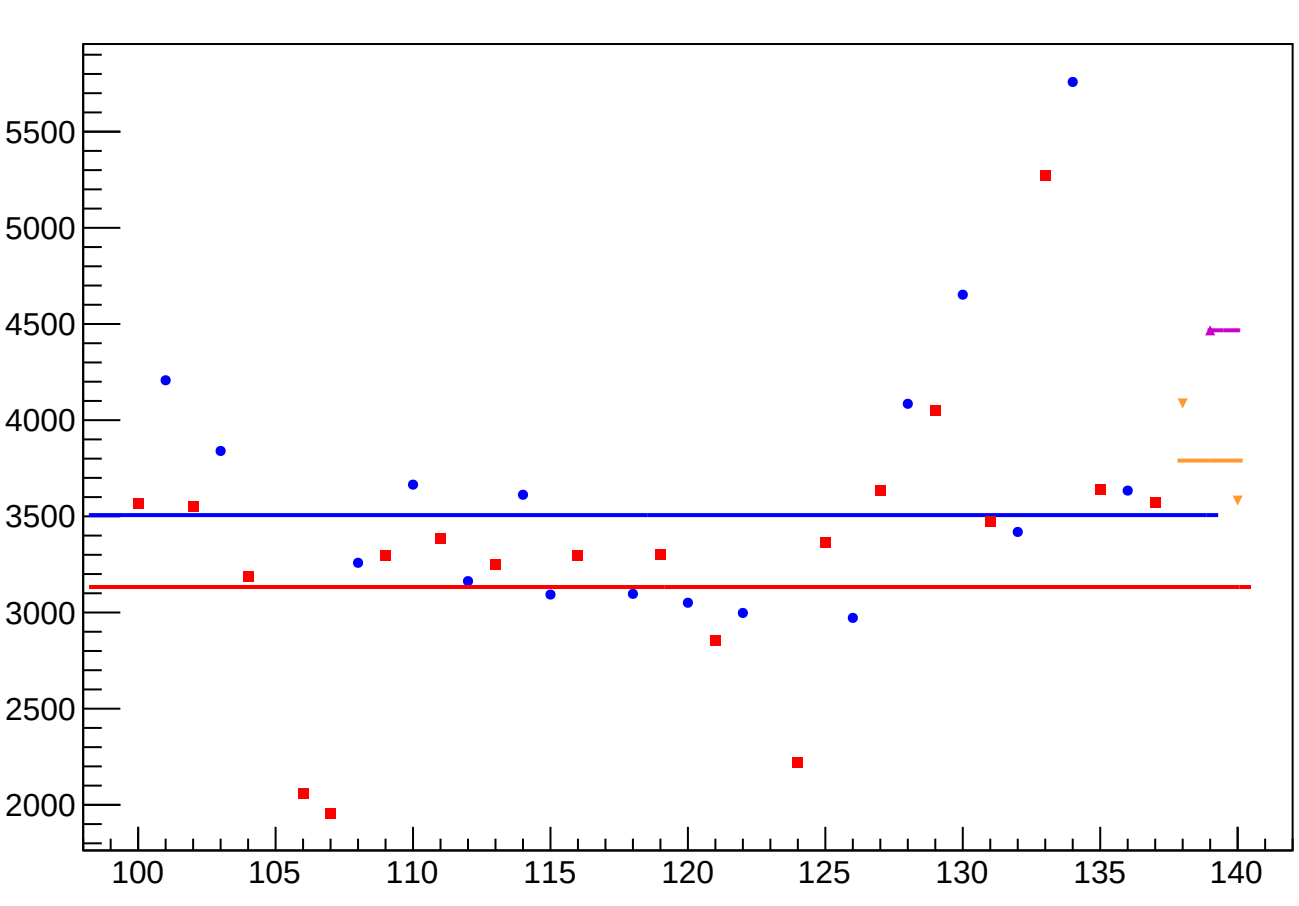
Left: -2306.969+/-2553.665 χ^2/NDF: 0.4/2

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 862.429+/-1278.220 χ^2/NDF:14.1/16

Out: -203.863+/-1100.708 χ^2/NDF:19.9/20

All: 250.159+/-834.076 χ^2/NDF: 34.4/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF:13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4467.211+/-3.438 χ^2/NDF:0.0/0

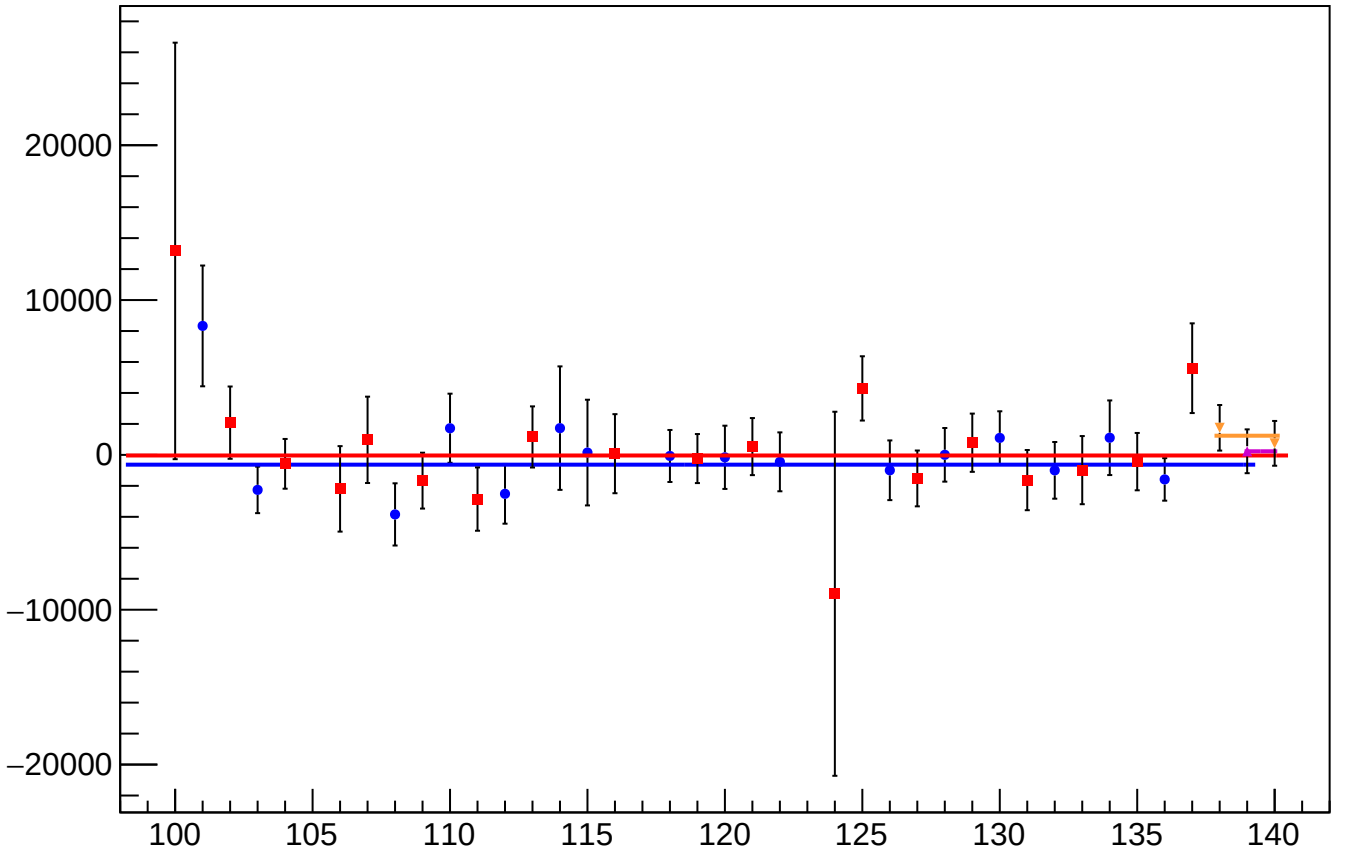
Left: 3976.819+/-1.806 χ^2/NDF: 41817.3/2

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.885+/-0.904 χ^2/NDF:425930.3/16

Out: 3221.032+/-0.778 χ^2/NDF:746403.3/20

All: 3370.850+/-0.590 χ^2/NDF: 1259351.3/37



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF:0.2/1

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 233.286+/-1415.193 χ^2/NDF:0.0/0

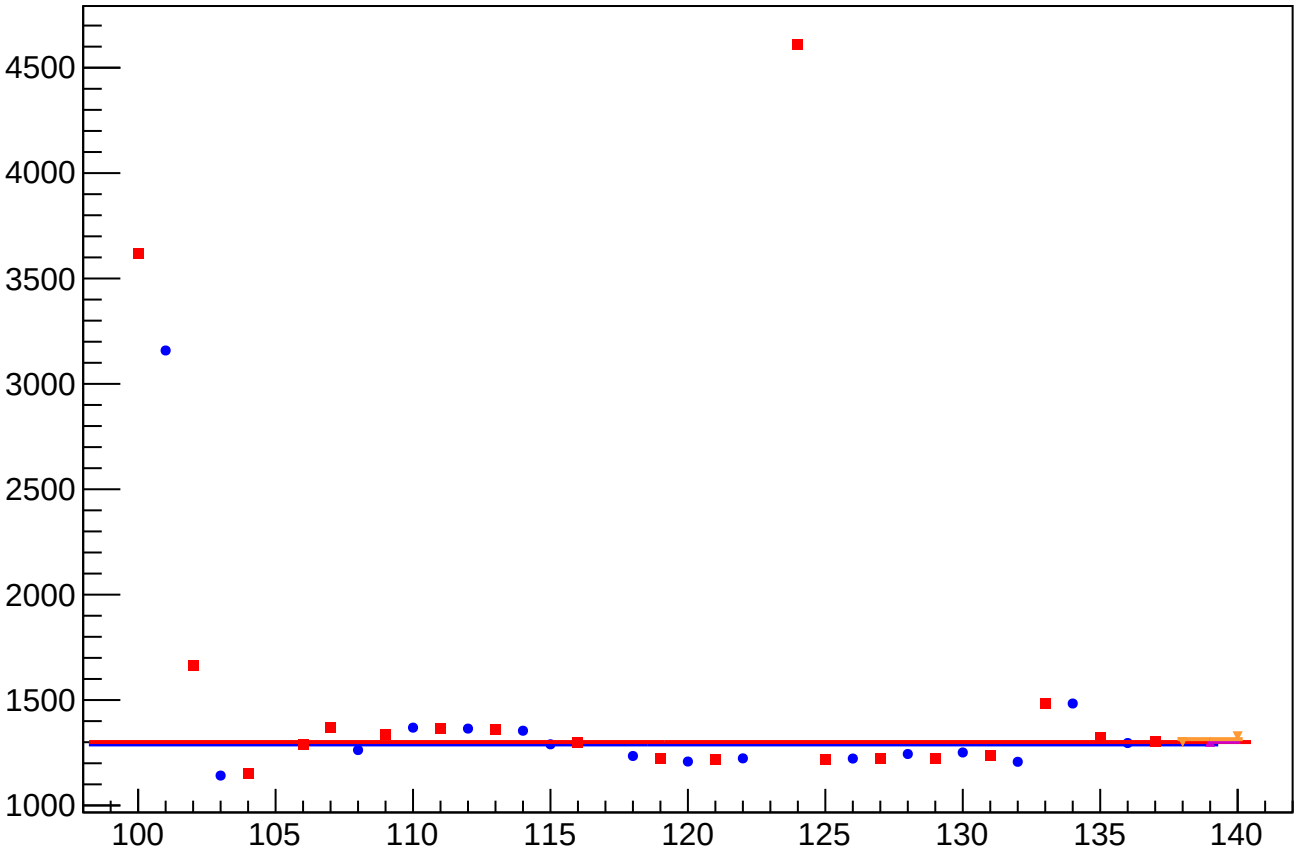
Left: 889.770+/-833.634 χ^2/NDF: 0.6/2

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -539.310+/-461.902 χ^2/NDF:14.2/16

Out: 194.991+/-441.195 χ^2/NDF:17.8/20

All: -155.332+/-319.041 χ^2/NDF: 33.3/37



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1301.933+/-1.001 χ^2/NDF:0.0/0

Left: 1310.063+/-0.589 χ^2/NDF: 454.6/2

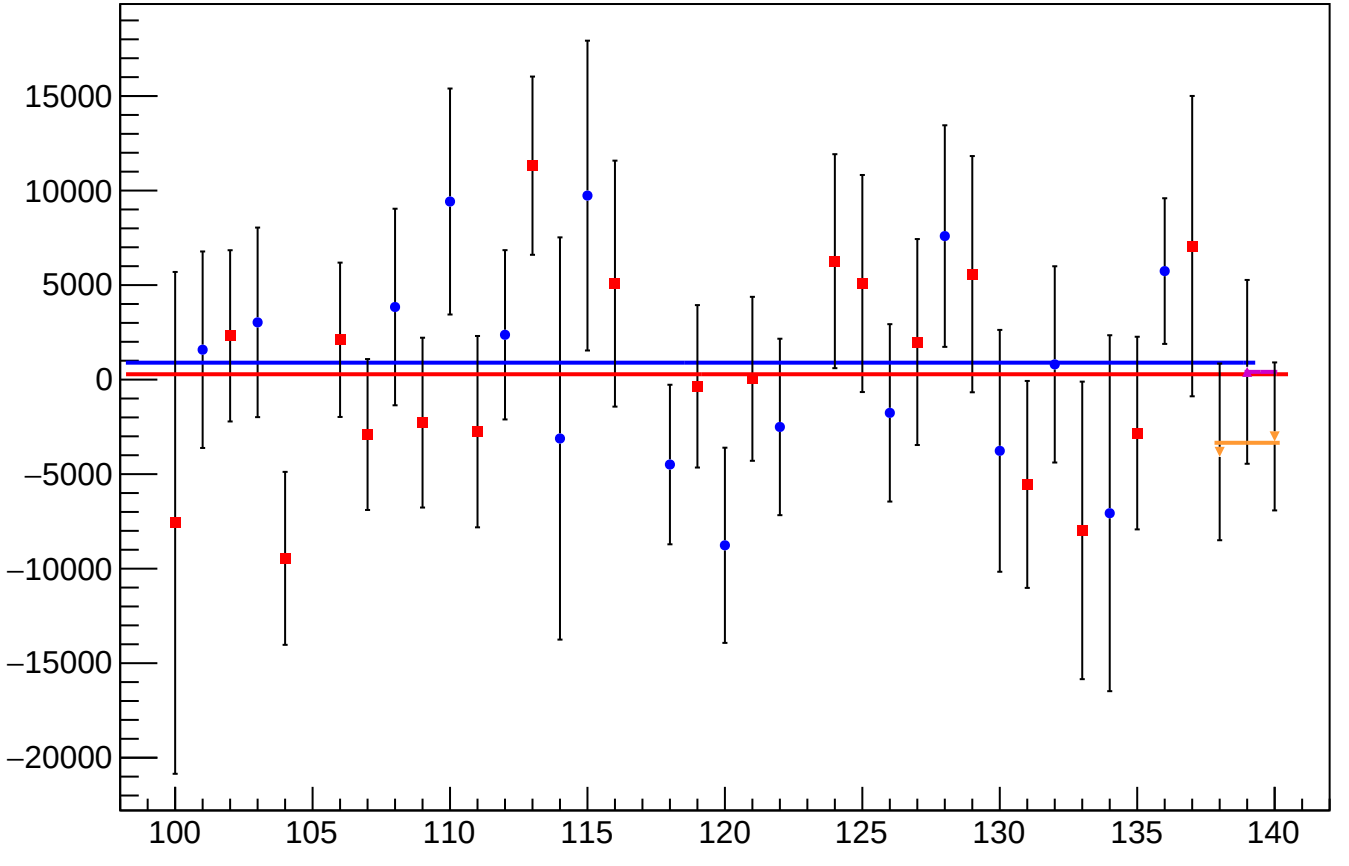
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1290.794+/-0.327 χ^2/NDF:514815.2/16

Out: 1303.182+/-0.311 χ^2/NDF:326549.5/20

All: 1297.281+/-0.225 χ^2/NDF: 842118.0/37

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: -3342.029+/-3000.914 χ^2/NDF:0.0/1

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 410.057+/-4862.030 χ^2/NDF:0.0/0

Left: -2306.969+/-2553.665 χ^2/NDF: 0.4/2

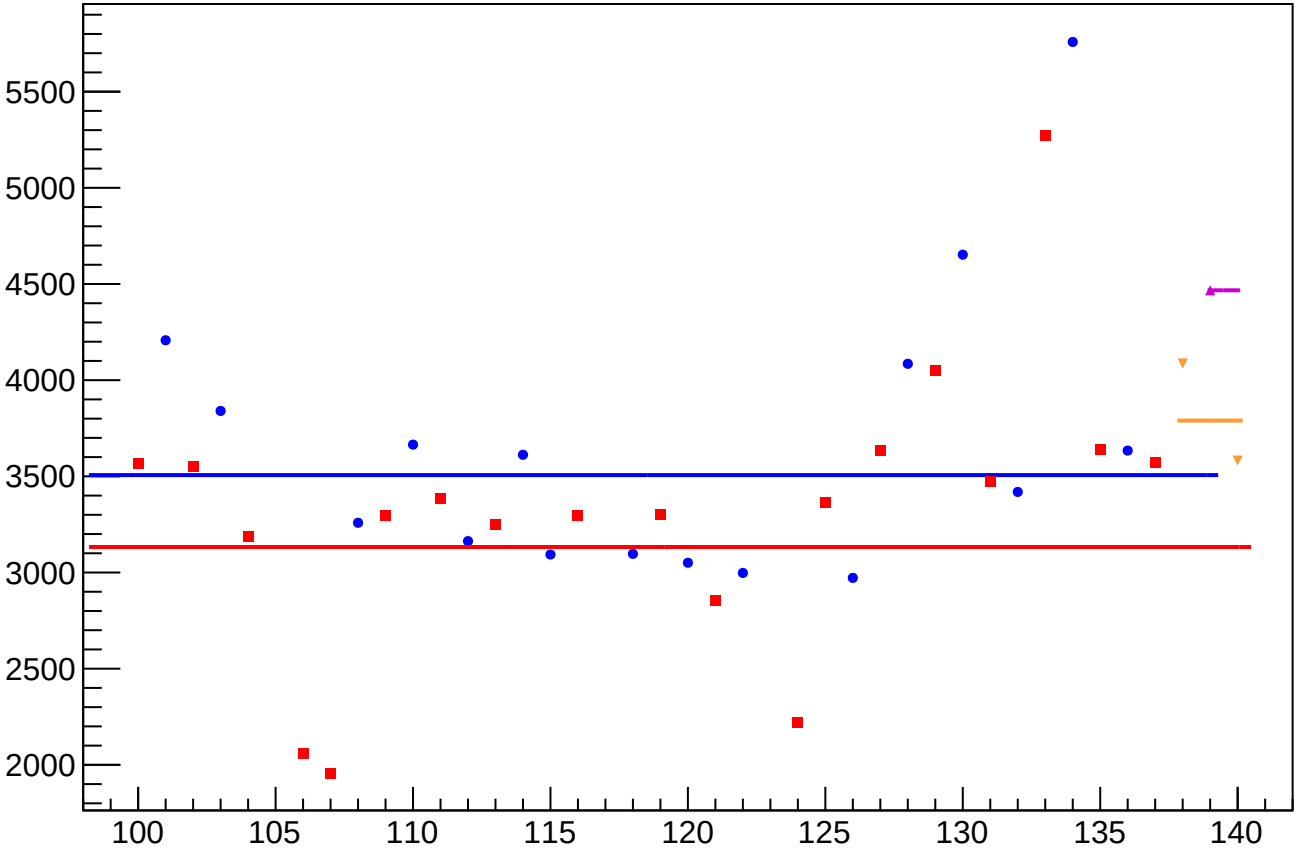
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 862.429+/-1278.220 χ^2/NDF:14.1/16

Out: -203.863+/-1100.708 χ^2/NDF:19.9/20

All: 250.159+/-834.076 χ^2/NDF: 34.4/37

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF:13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4467.211+/-3.438 χ^2/NDF:0.0/0

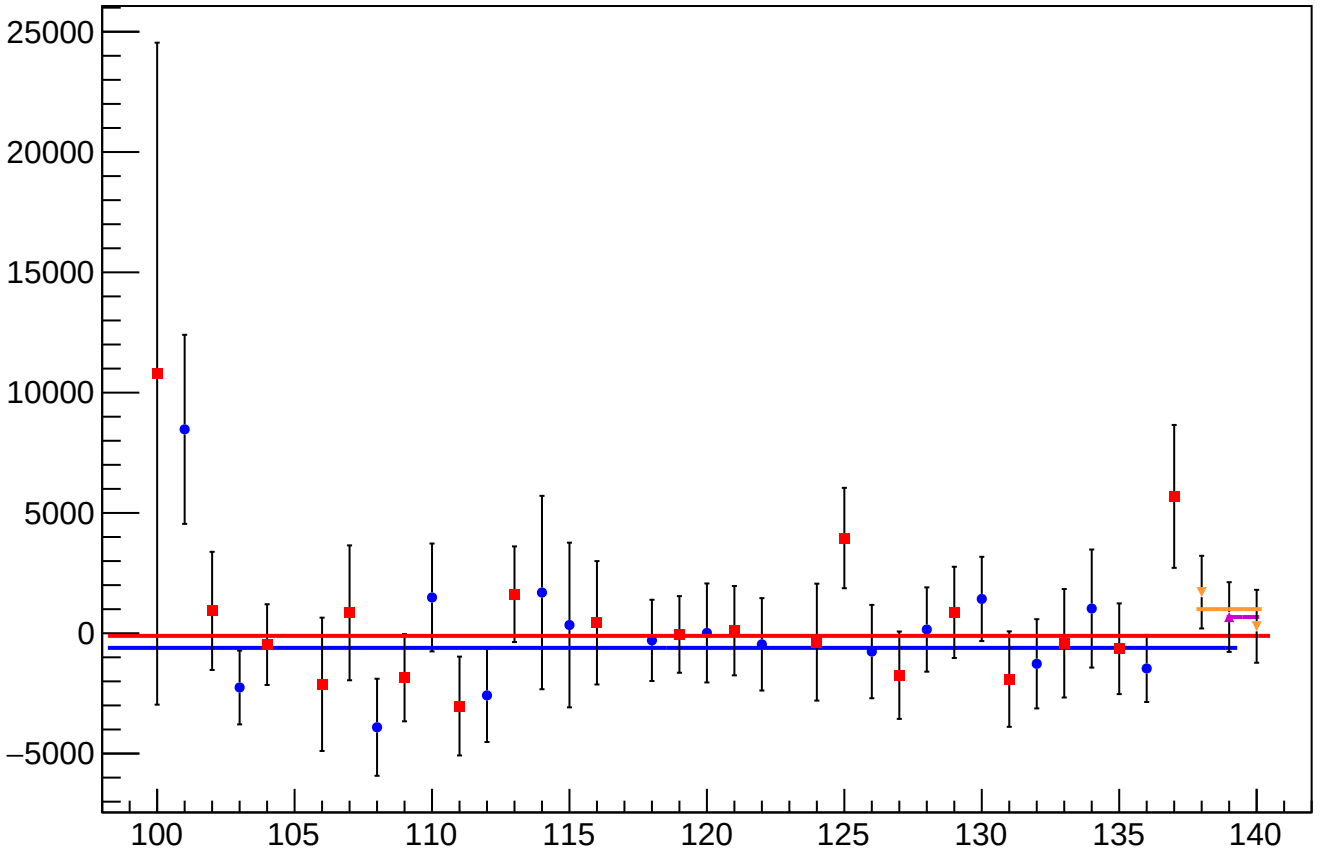
Left: 3976.819+/-1.806 χ^2/NDF: 41817.3/2

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.885+/-0.904 χ^2/NDF:425930.3/16

Out: 3221.032+/-0.778 χ^2/NDF:746403.3/20

All: 3370.850+/-0.590 χ^2/NDF: 1259351.3/37



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1001.801+/-1069.457 χ^2/NDF:0.4/1

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: 674.162+/-1448.021 χ^2/NDF:0.0/0

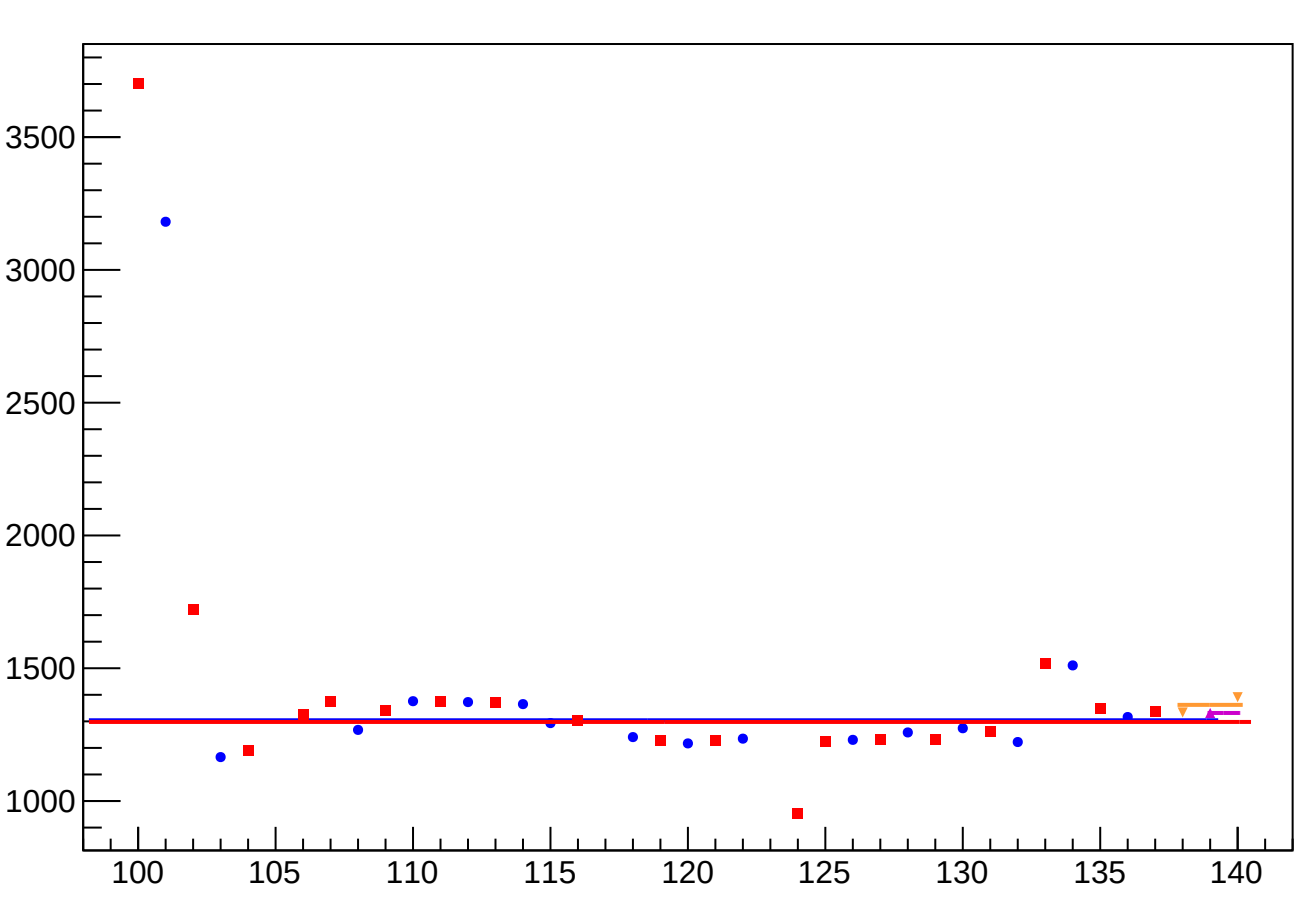
Left: 886.161+/-860.265 χ^2/NDF: 0.5/2

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -474.091+/-467.695 χ^2/NDF:14.8/16

Out: 81.160+/-442.119 χ^2/NDF:16.2/20

All: -180.869+/-321.287 χ^2/NDF: 31.8/37



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1362.076+/-0.756 χ^2/NDF:1440.8/1

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1331.596+/-1.024 χ^2/NDF:0.0/0

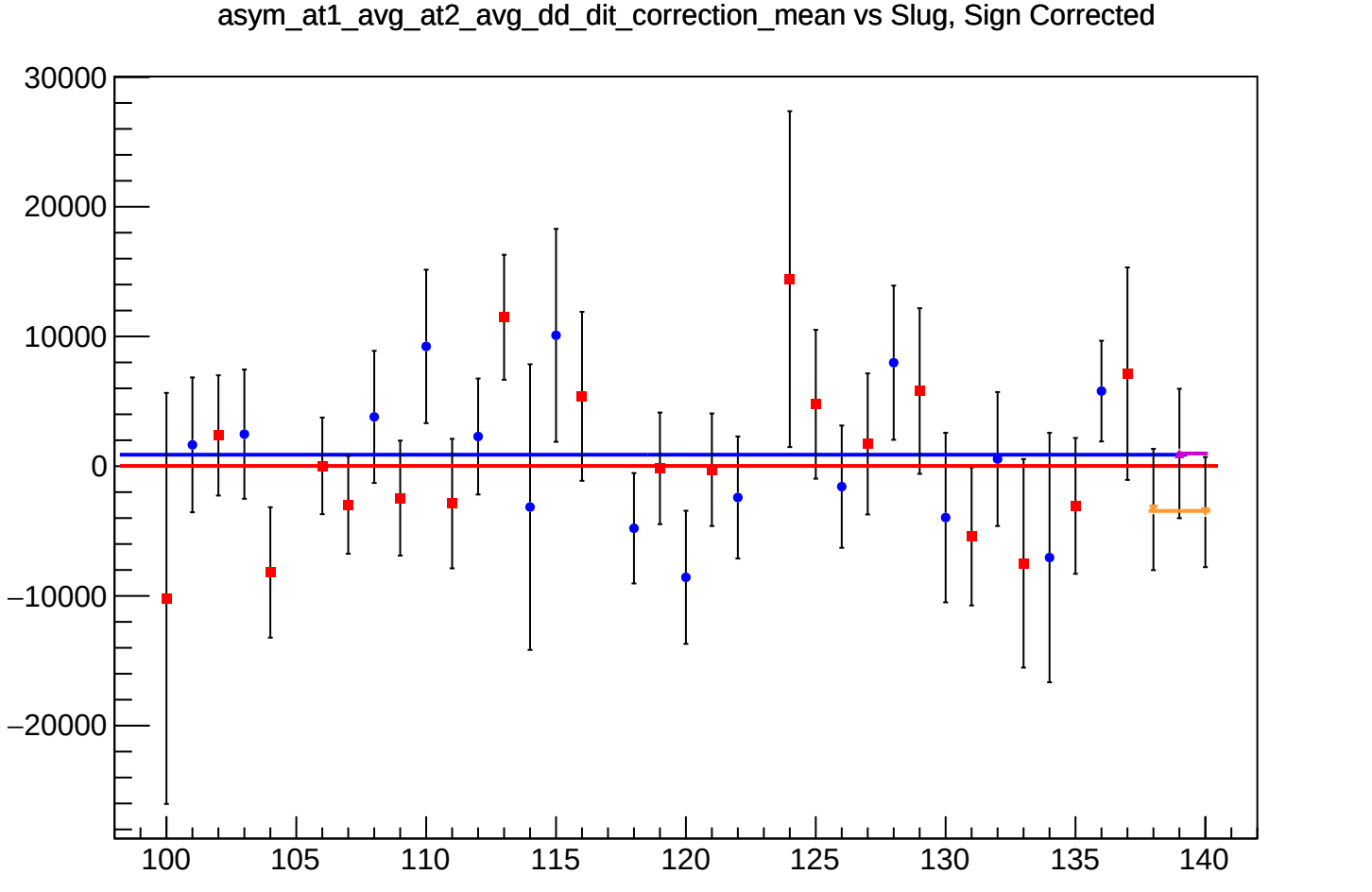
Left: 1351.318+/-0.608 χ^2/NDF: 2014.2/2

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1306.971+/-0.331 χ^2/NDF:511235.2/16

Out: 1308.768+/-0.312 χ^2/NDF:220529.6/20

All: 1307.920+/-0.227 χ^2/NDF: 731780.4/37



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3448.190+/-3141.914 χ^2/NDF:0.0/1

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 980.044+/-4987.994 χ^2/NDF:0.0/0

Left: -2190.299+/-2658.472 χ^2/NDF: 0.6/2

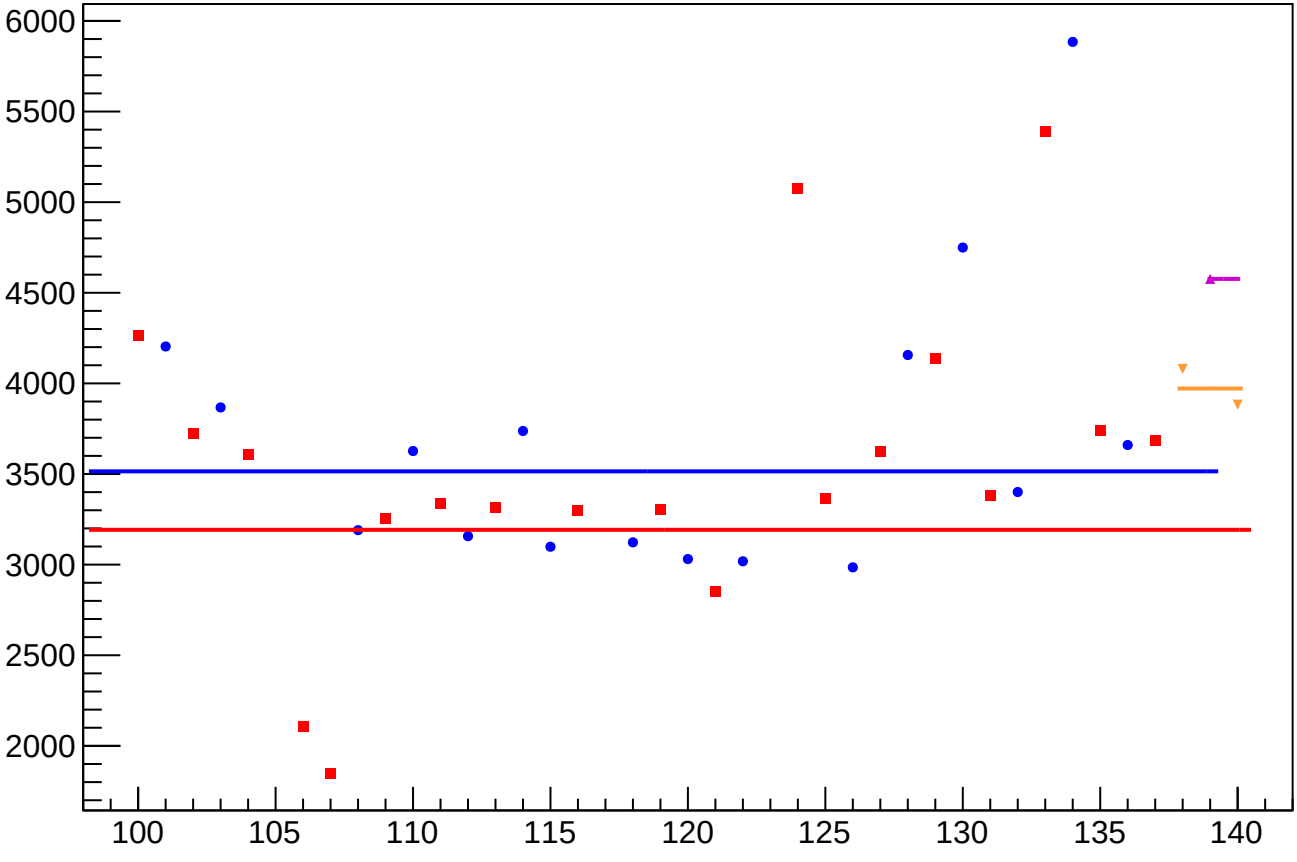
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 890.406+/-1282.754 χ^2/NDF:14.1/16

Out: -420.925+/-1121.031 χ^2/NDF:17.9/20

All: 146.914+/-844.111 χ^2/NDF: 32.6/37

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3971.800+/-2.222 χ^2/NDF:1950.7/1

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4576.548+/-3.527 χ^2/NDF:0.0/0

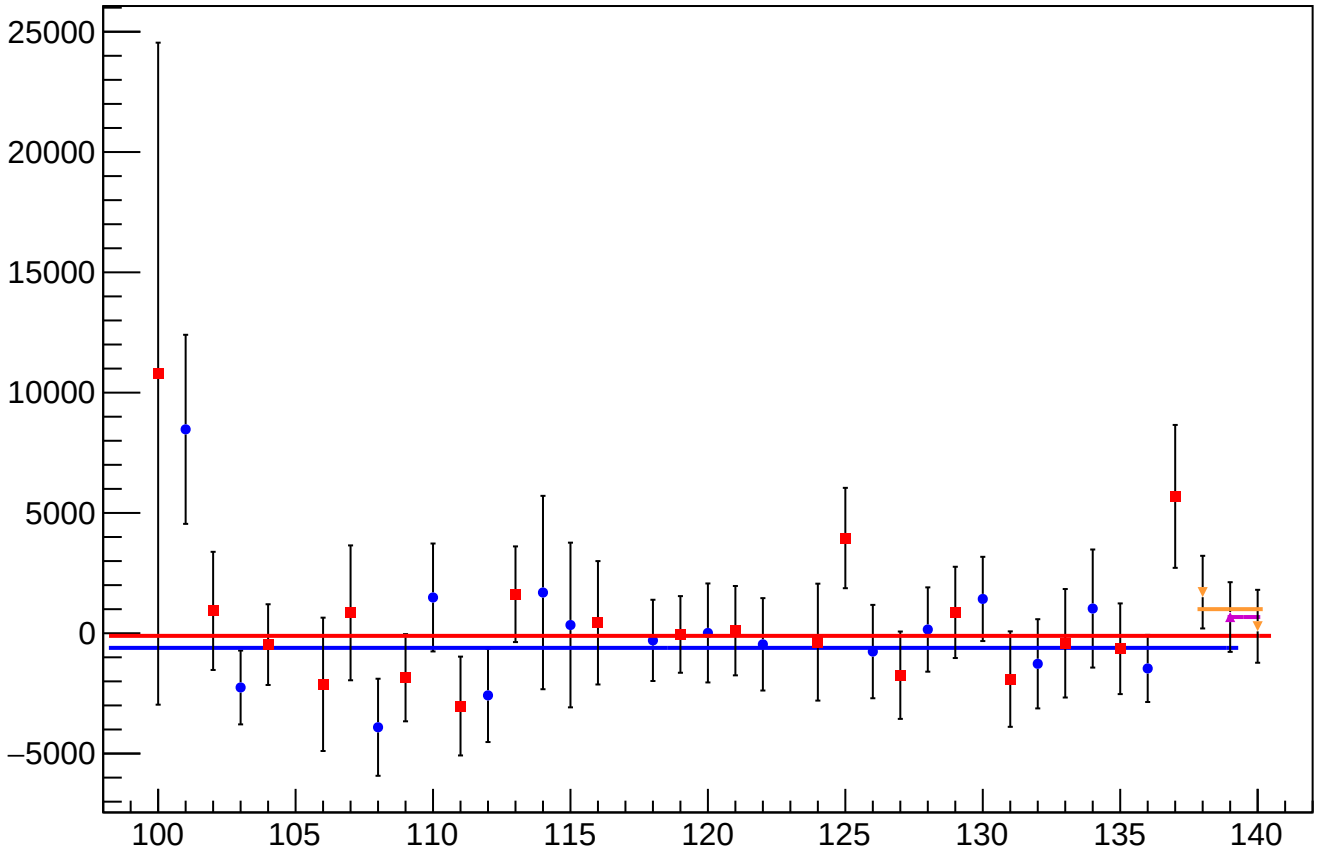
Left: 4143.585+/-1.880 χ^2/NDF: 22998.4/2

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3584.969+/-0.907 χ^2/NDF:459713.6/16

Out: 3291.450+/-0.793 χ^2/NDF:881905.4/20

All: 3418.551+/-0.597 χ^2/NDF: 1400990.5/37



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1001.798+/-1069.458 χ^2/NDF:0.4/1

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 674.178+/-1448.023 χ^2/NDF:0.0/0

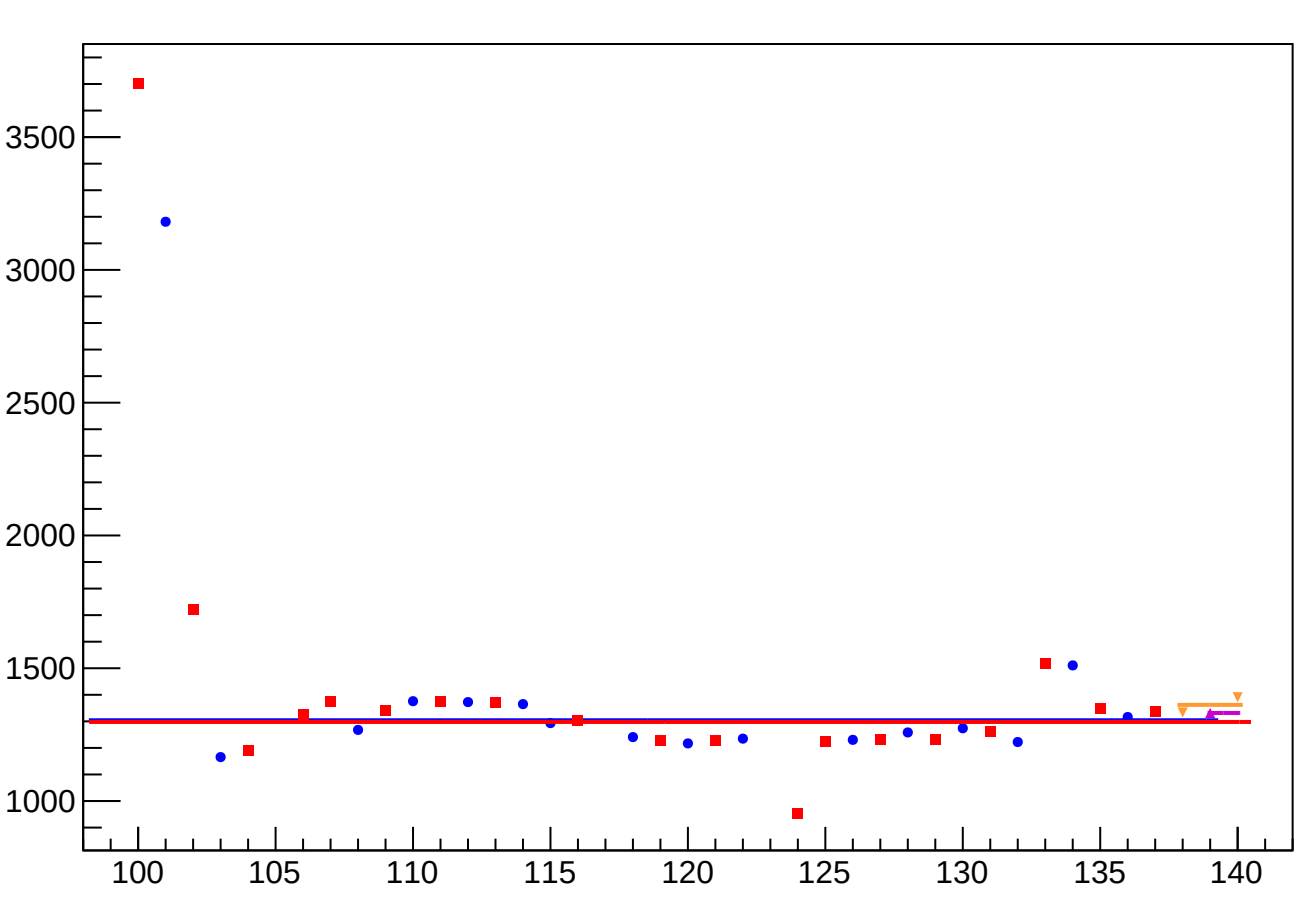
Left: 886.164+/-860.265 χ^2/NDF: 0.5/2

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -474.092+/-467.695 χ^2/NDF:14.8/16

Out: 81.155+/-442.119 χ^2/NDF:16.2/20

All: -180.872+/-321.287 χ^2/NDF: 31.8/37



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1362.076+/-0.756 χ^2/NDF:1440.8/1

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1331.597+/-1.024 χ^2/NDF:0.0/0

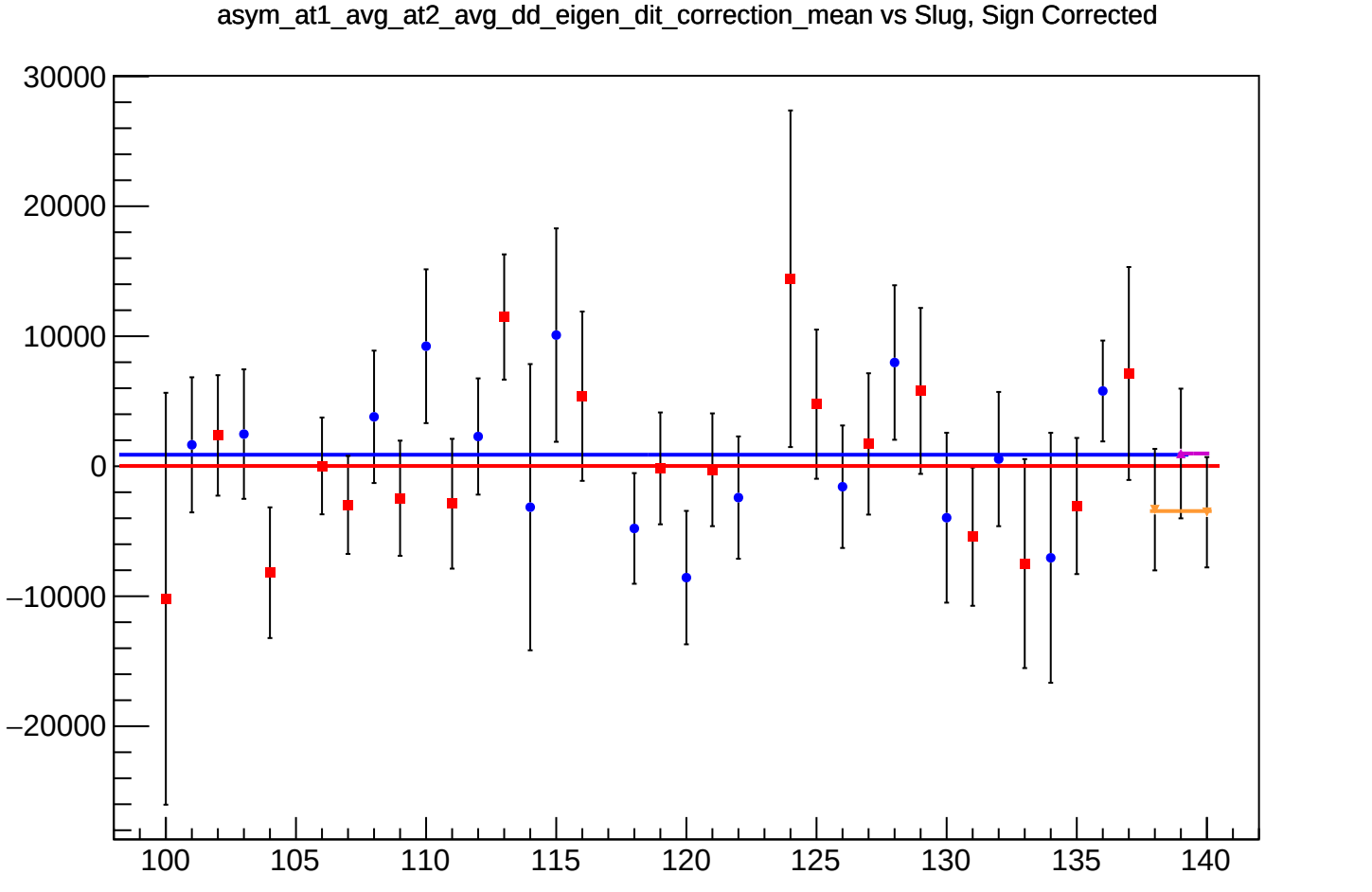
Left: 1351.319+/-0.608 χ^2/NDF: 2014.2/2

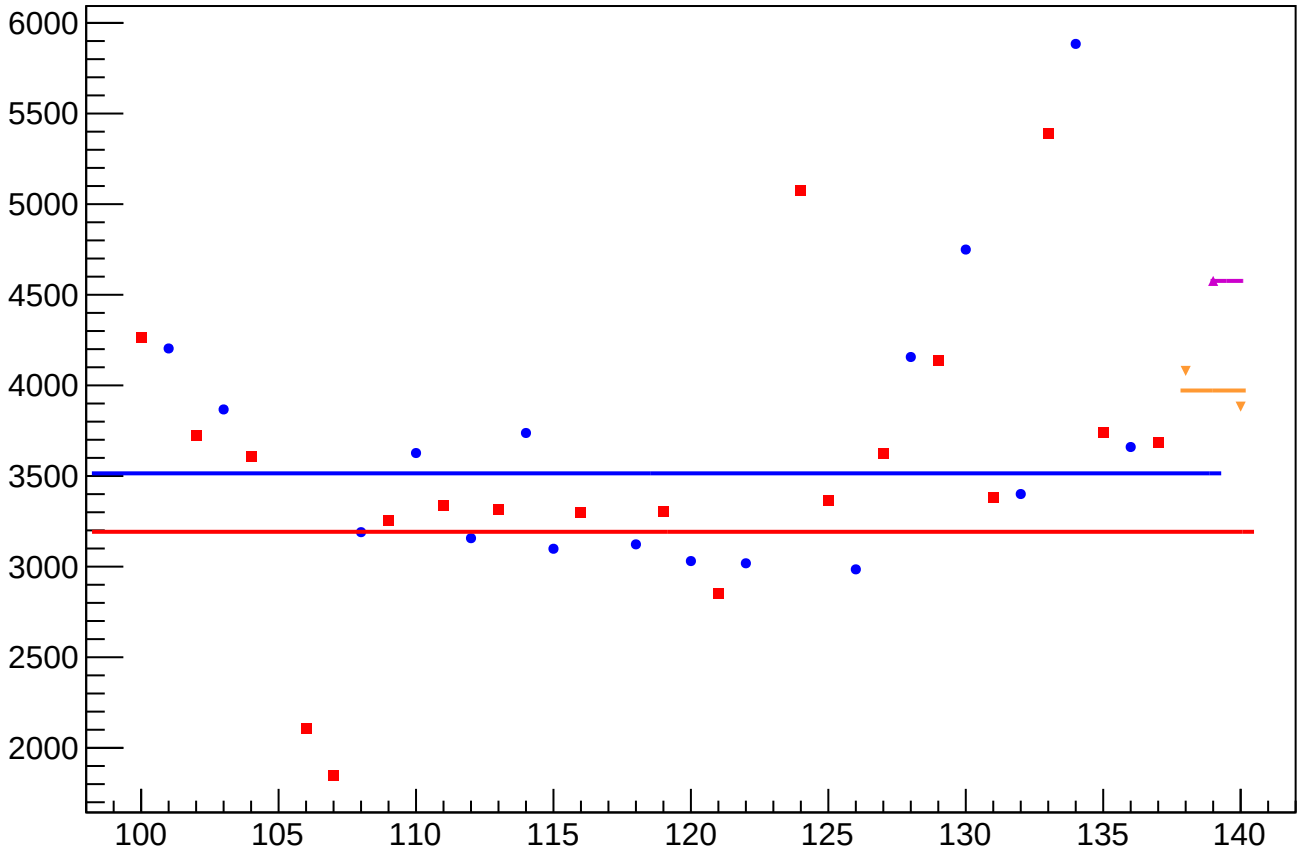
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1306.971+/-0.331 χ^2/NDF:511235.4/16

Out: 1308.768+/-0.312 χ^2/NDF:220529.8/20

All: 1307.920+/-0.227 χ^2/NDF: 731780.8/37


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -3448.191+/-3141.919 χ²/NDF:0.0/1
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: 980.063+/-4988.009 χ²/NDF:0.0/0
Left: -2190.297+/-2658.477 χ²/NDF: 0.6/2
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 890.397+/-1282.751 χ²/NDF:14.1/16
Out: -420.926+/-1121.029 χ²/NDF:17.9/20
All: 146.910+/-844.110 χ²/NDF: 32.6/37



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3971.806+/-2.222 χ^2/NDF:1950.9/1

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4576.562+/-3.527 χ^2/NDF:0.0/0

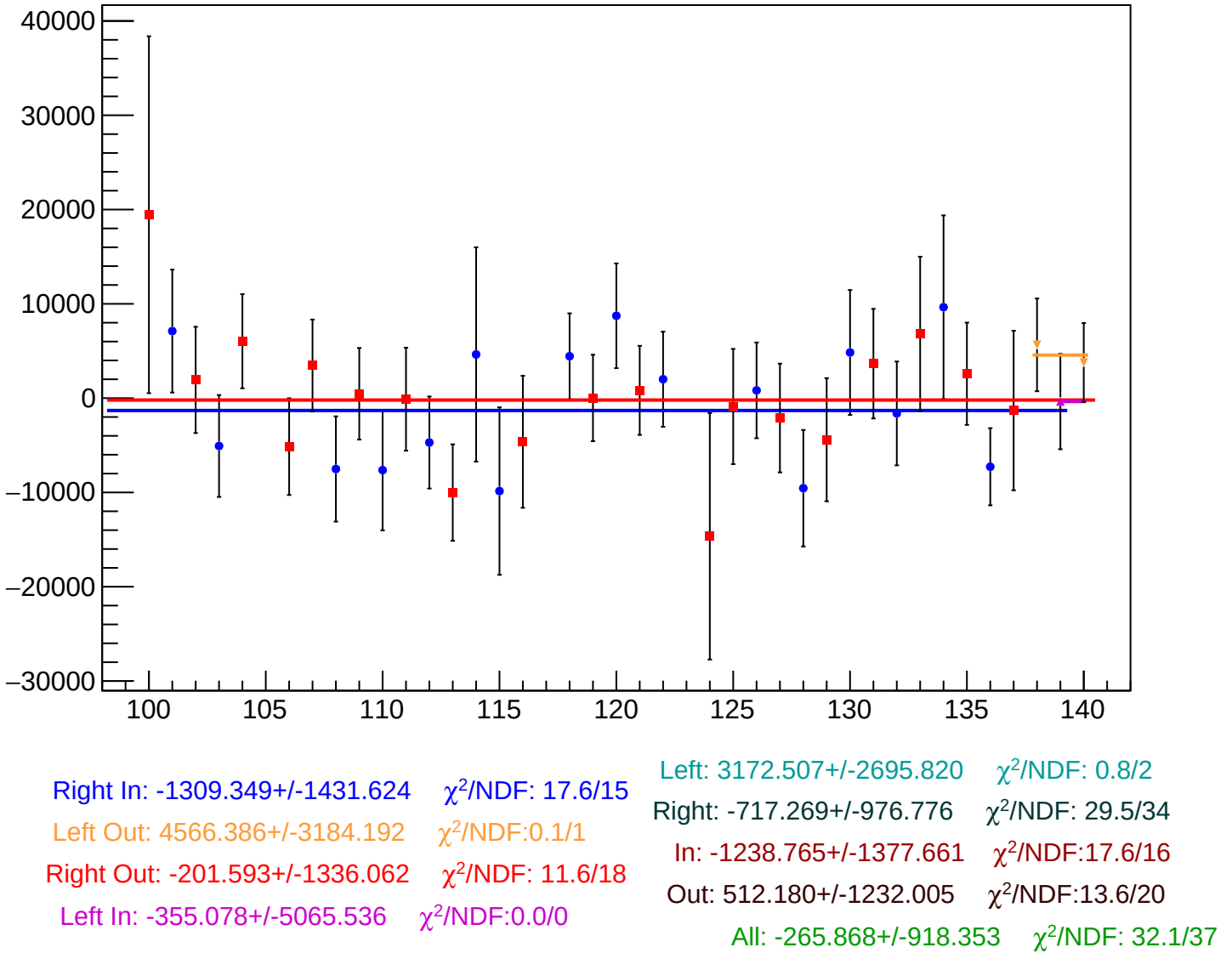
Left: 4143.593+/-1.880 χ^2/NDF: 22998.9/2

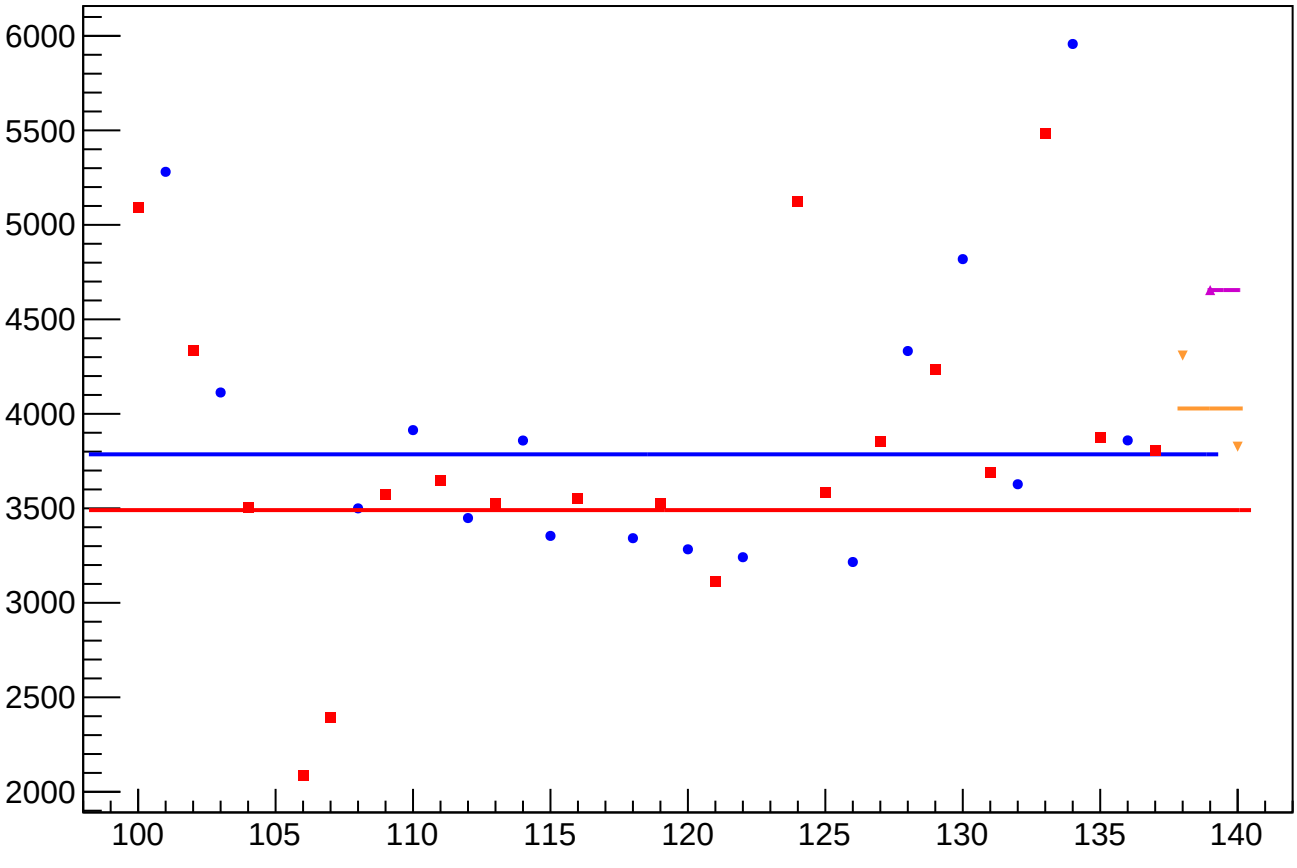
Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3584.960+/-0.907 χ^2/NDF:459721.0/16

Out: 3291.444+/-0.793 χ^2/NDF:881911.5/20

All: 3418.544+/-0.597 χ^2/NDF: 1401003.5/37


asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
Right In: -1309.349+/-1431.624 χ²/NDF: 17.6/15
Left Out: 4566.386+/-3184.192 χ²/NDF:0.1/1
Right Out: -201.593+/-1336.062 χ²/NDF: 11.6/18
Left In: -355.078+/-5065.536 χ²/NDF:0.0/0
Left: 3172.507+/-2695.820 χ²/NDF: 0.8/2
Right: -717.269+/-976.776 χ²/NDF: 29.5/34
In: -1238.765+/-1377.661 χ²/NDF:17.6/16
Out: 512.180+/-1232.005 χ²/NDF:13.6/20
All: -265.868+/-918.353 χ²/NDF: 32.1/37



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4028.365+/-2.252 χ^2/NDF:11164.6/1

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4655.020+/-3.582 χ^2/NDF:0.0/0

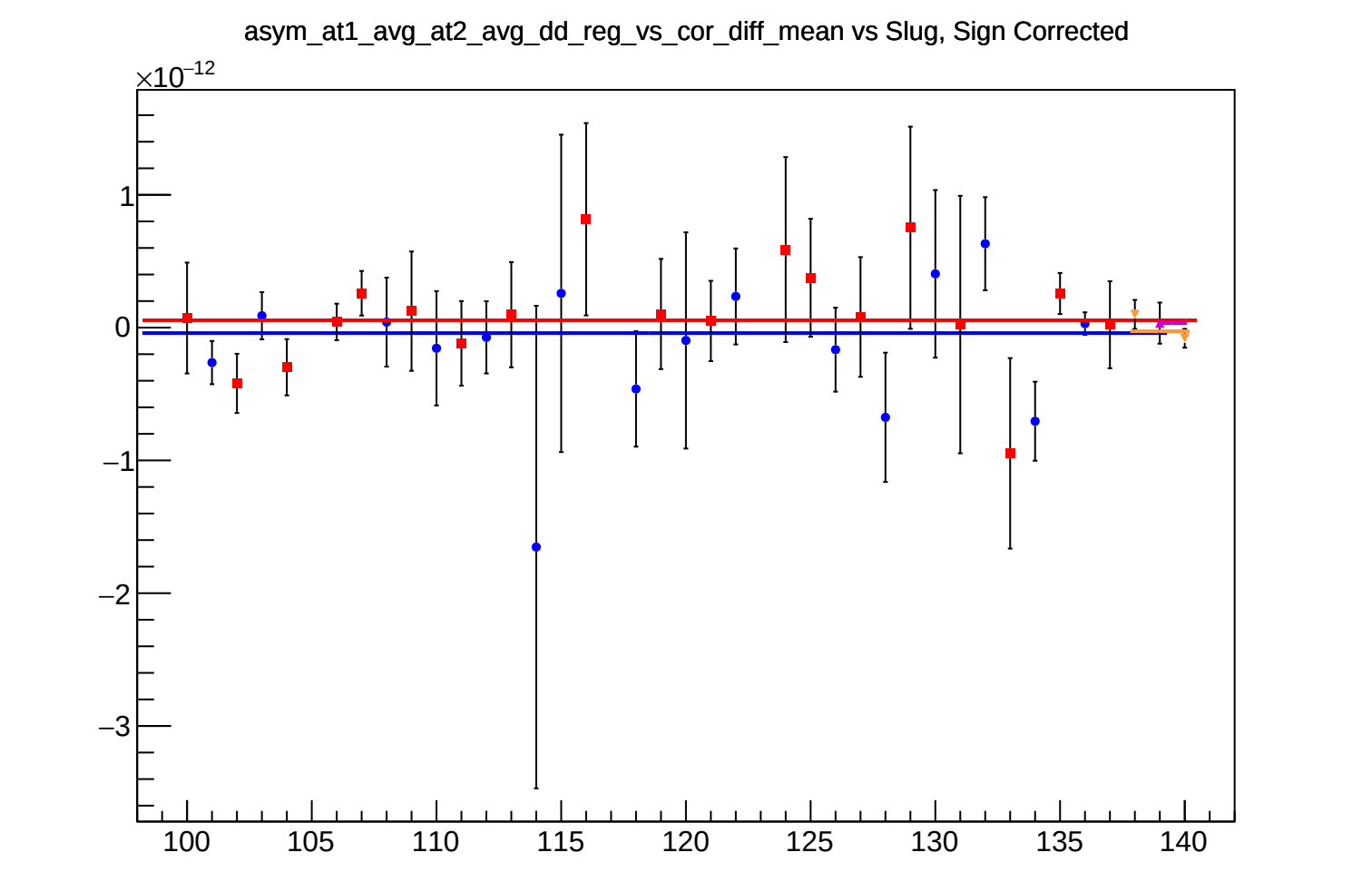
Left: 4205.849+/-1.906 χ^2/NDF: 33103.7/2

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3850.068+/-0.974 χ^2/NDF:437530.0/16

Out: 3569.255+/-0.861 χ^2/NDF:646579.8/20

All: 3692.418+/-0.645 χ^2/NDF: 1130761.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

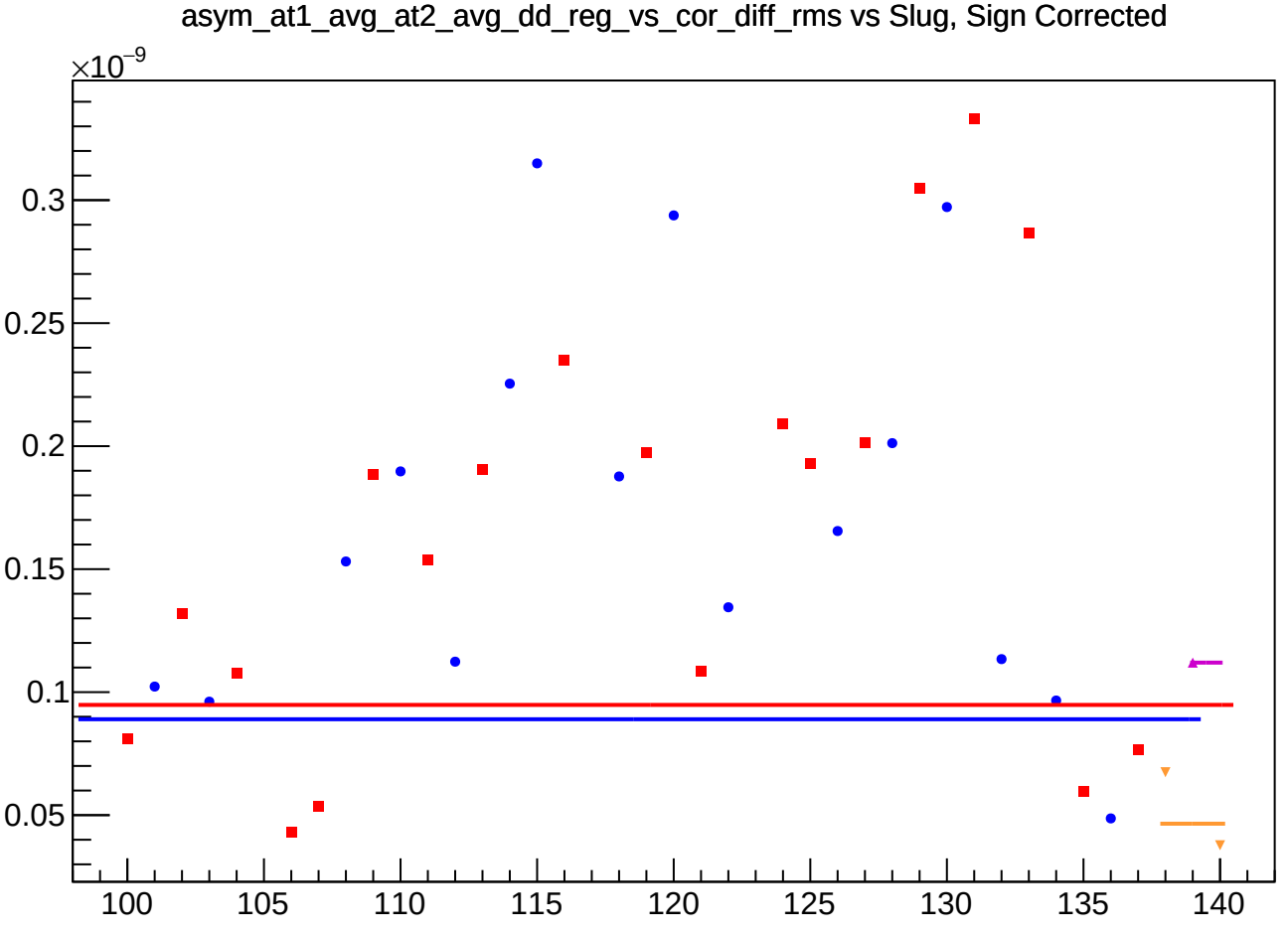
Left: -0.000+/-0.000 χ^2/NDF: 2.0/2

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:16.9/16

Out: 0.000+/-0.000 χ^2/NDF:18.7/20

All: -0.000+/-0.000 χ^2/NDF: 35.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:103730.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 415808.7/2

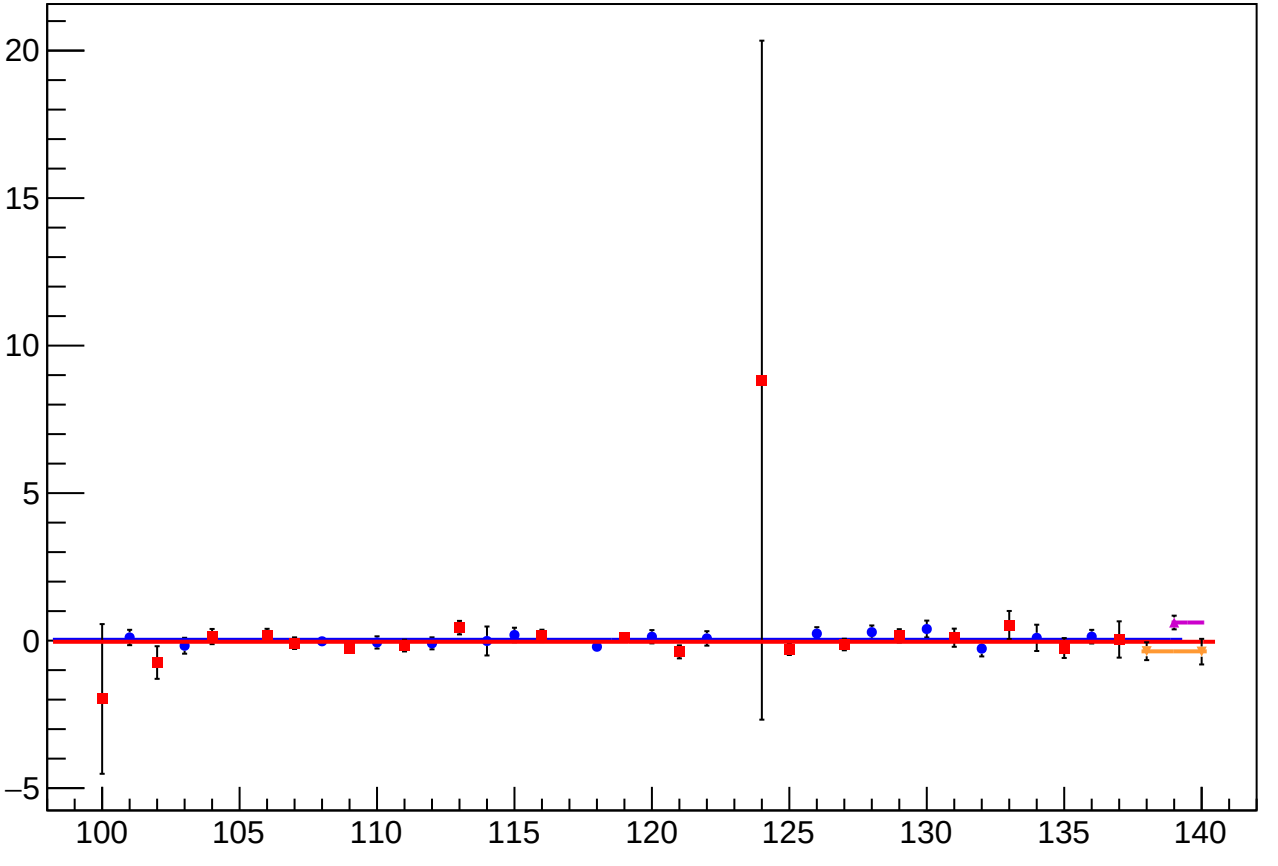
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1499350.6/16

Out: 0.000+/-0.000 χ^2/NDF:2449683.3/20

All: 0.000+/-0.000 χ^2/NDF: 4163394.4/37

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.614+/-0.233 χ^2/NDF:0.0/0

Left: 0.157+/-0.170 χ^2/NDF: 8.3/2

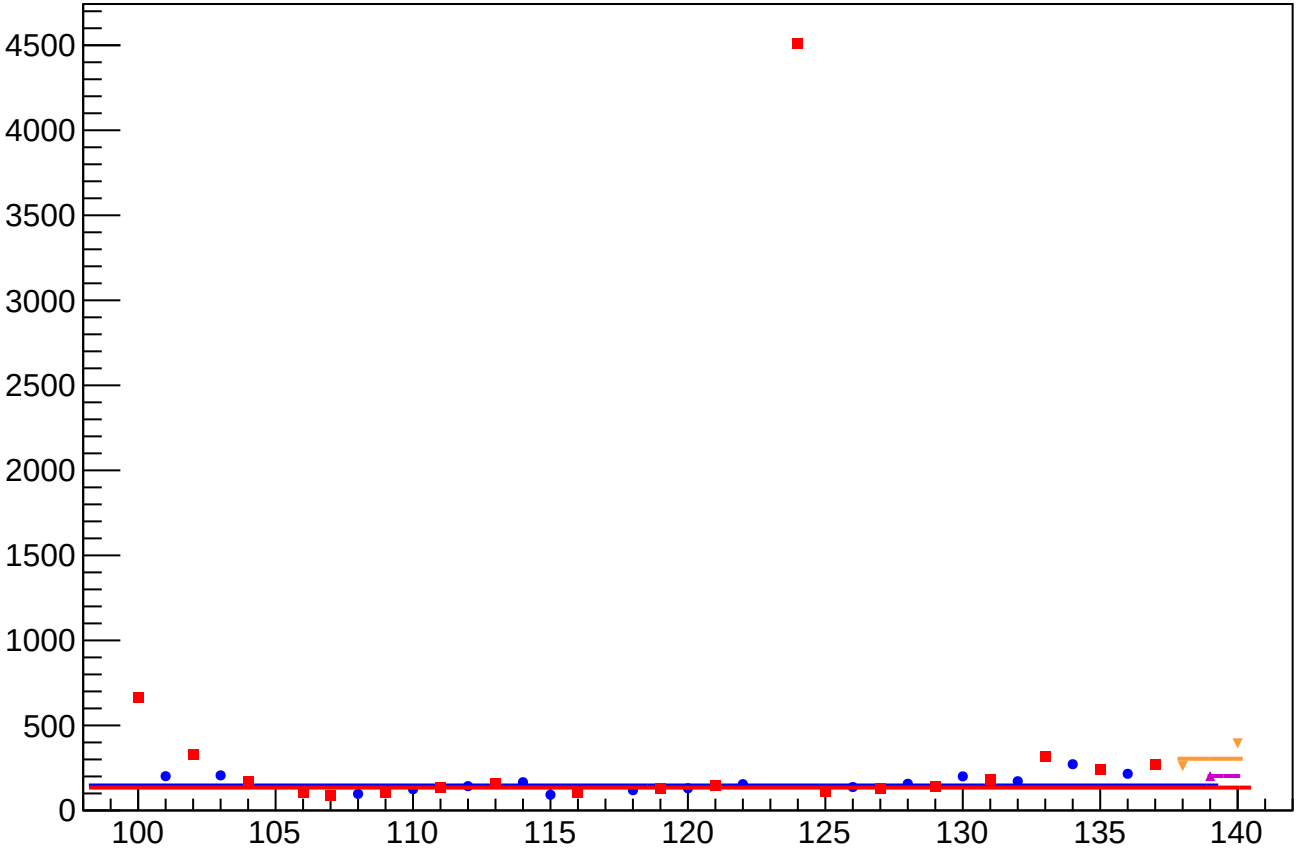
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.062+/-0.056 χ^2/NDF:15.4/16

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: 0.001+/-0.039 χ^2/NDF: 39.3/37

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF:127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 202.517+/-0.165 χ^2/NDF:0.0/0

Left: 250.087+/-0.120 χ^2/NDF: 306505.2/2

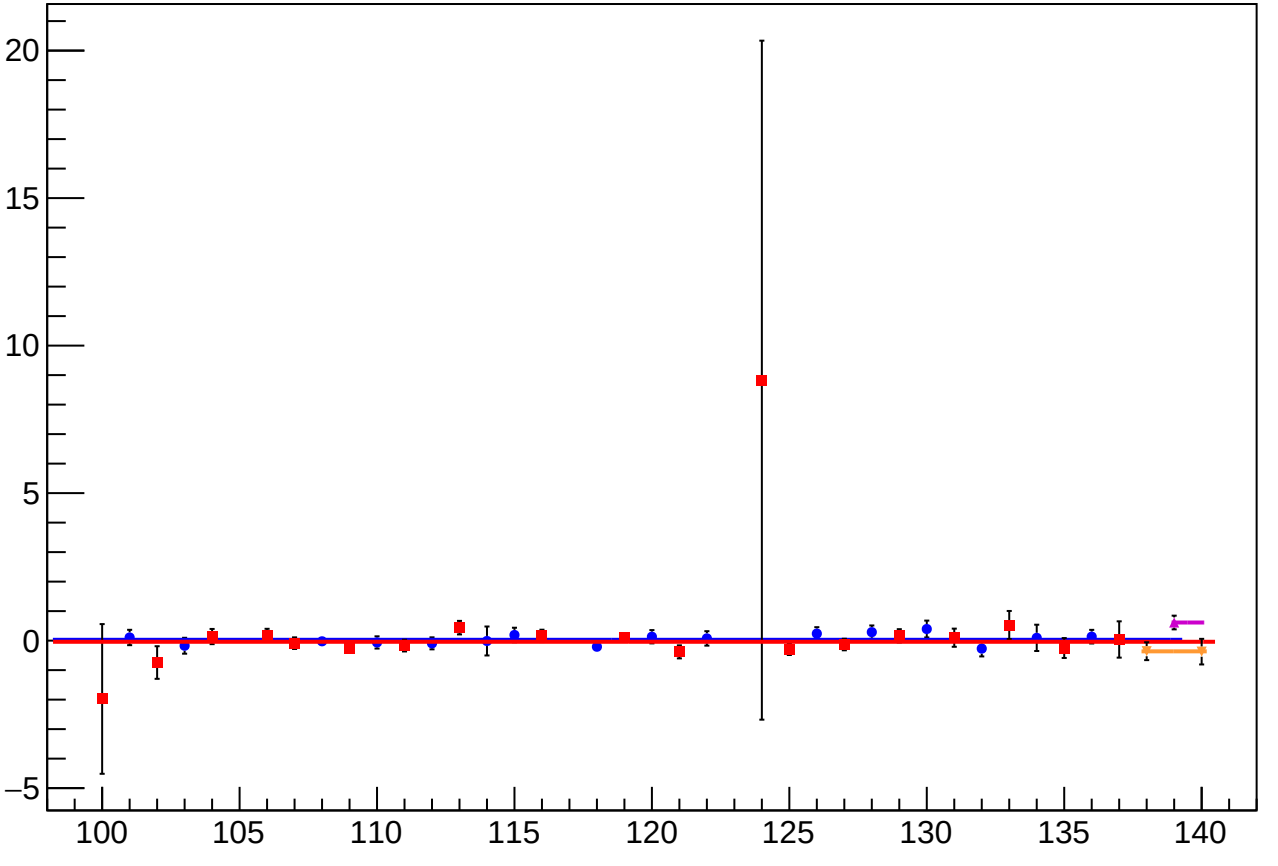
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 150.056+/-0.040 χ^2/NDF:1106624.5/16

Out: 142.389+/-0.038 χ^2/NDF:2625913.6/20

All: 146.046+/-0.027 χ^2/NDF: 3752138.4/37

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.614+/-0.233 χ^2/NDF:0.0/0

Left: 0.157+/-0.170 χ^2/NDF: 8.3/2

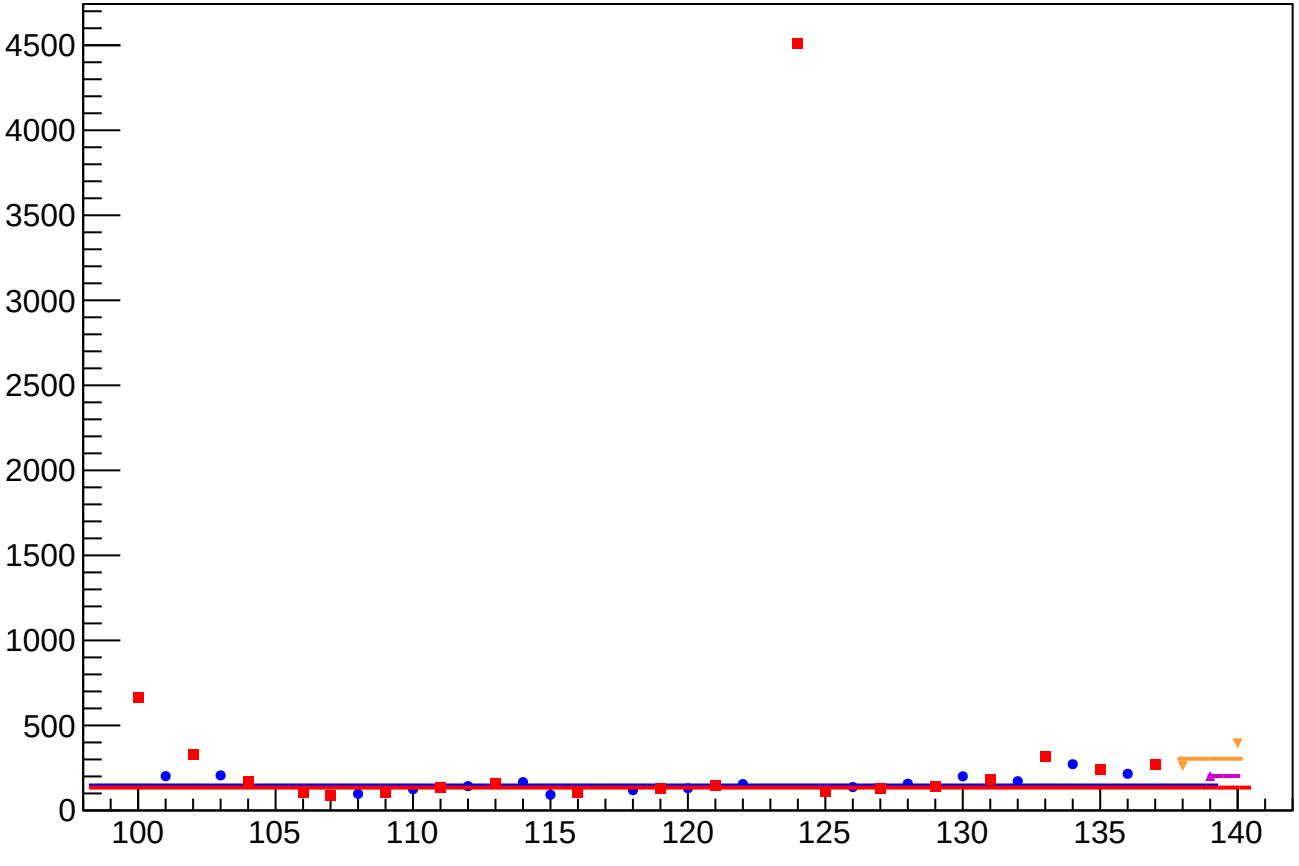
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.062+/-0.056 χ^2/NDF:15.4/16

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: 0.001+/-0.039 χ^2/NDF: 39.3/37

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF:127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 202.517+/-0.165 χ^2/NDF:0.0/0

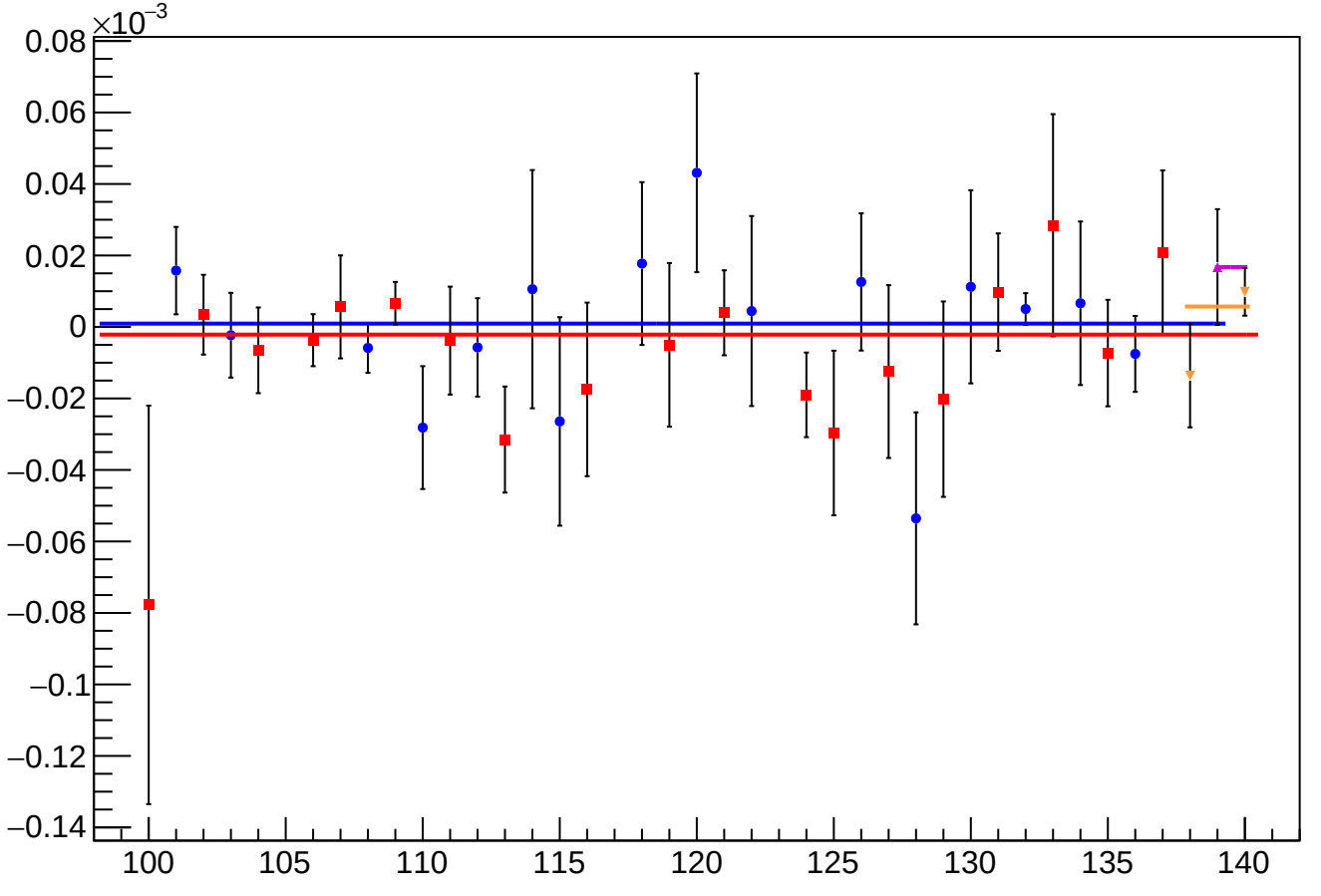
Left: 250.087+/-0.120 χ^2/NDF: 306505.2/2

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 150.056+/-0.040 χ^2/NDF:1106624.5/16

Out: 142.389+/-0.038 χ^2/NDF:2625913.6/20

All: 146.046+/-0.027 χ^2/NDF: 3752138.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

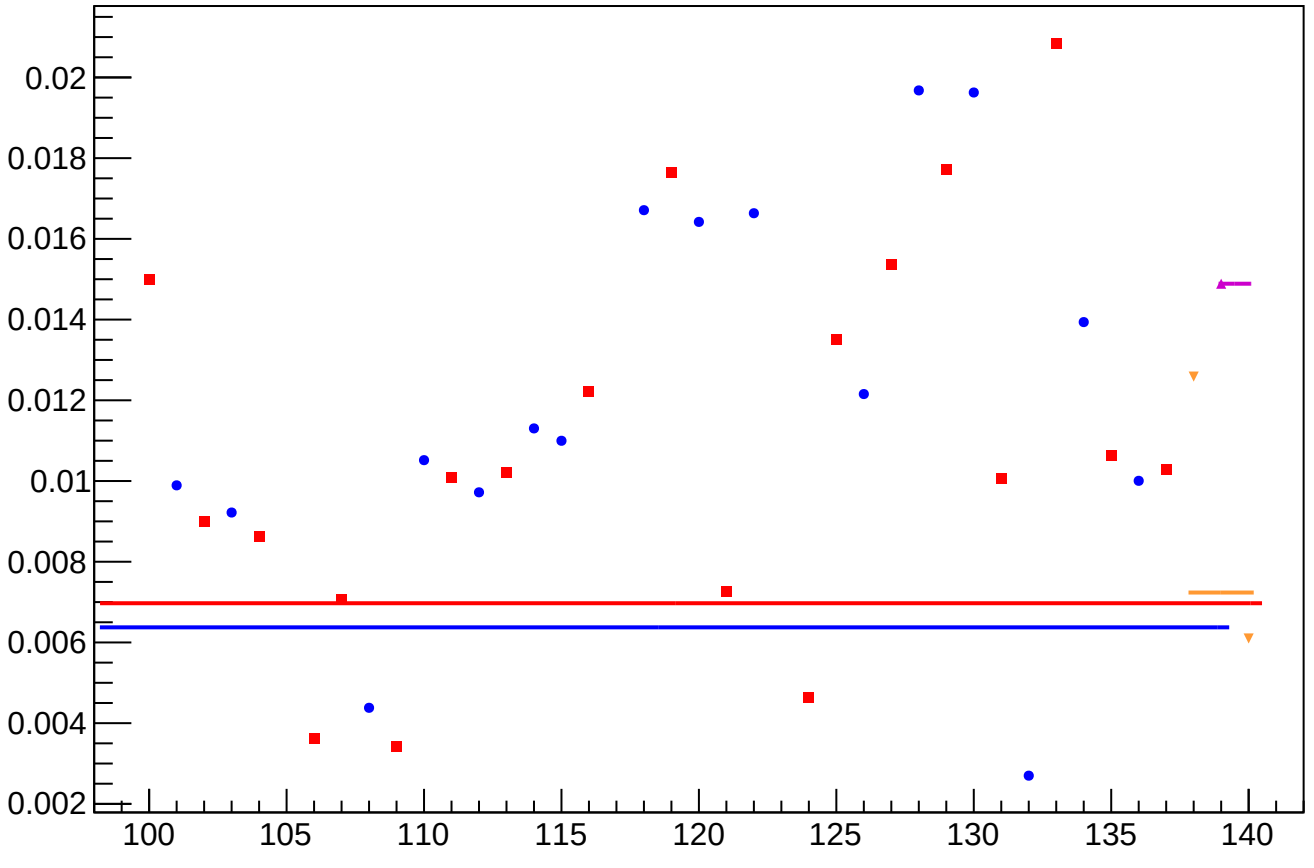
Left: 0.000+/-0.000 χ^2/NDF: 2.6/2

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:15.8/16

Out: -0.000+/-0.000 χ^2/NDF:19.6/20

All: 0.000+/-0.000 χ^2/NDF: 35.6/37



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:332465.0/1

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.015+/-0.000 χ^2/NDF:0.0/0

Left: 0.008+/-0.000 χ^2/NDF: 724131.8/2

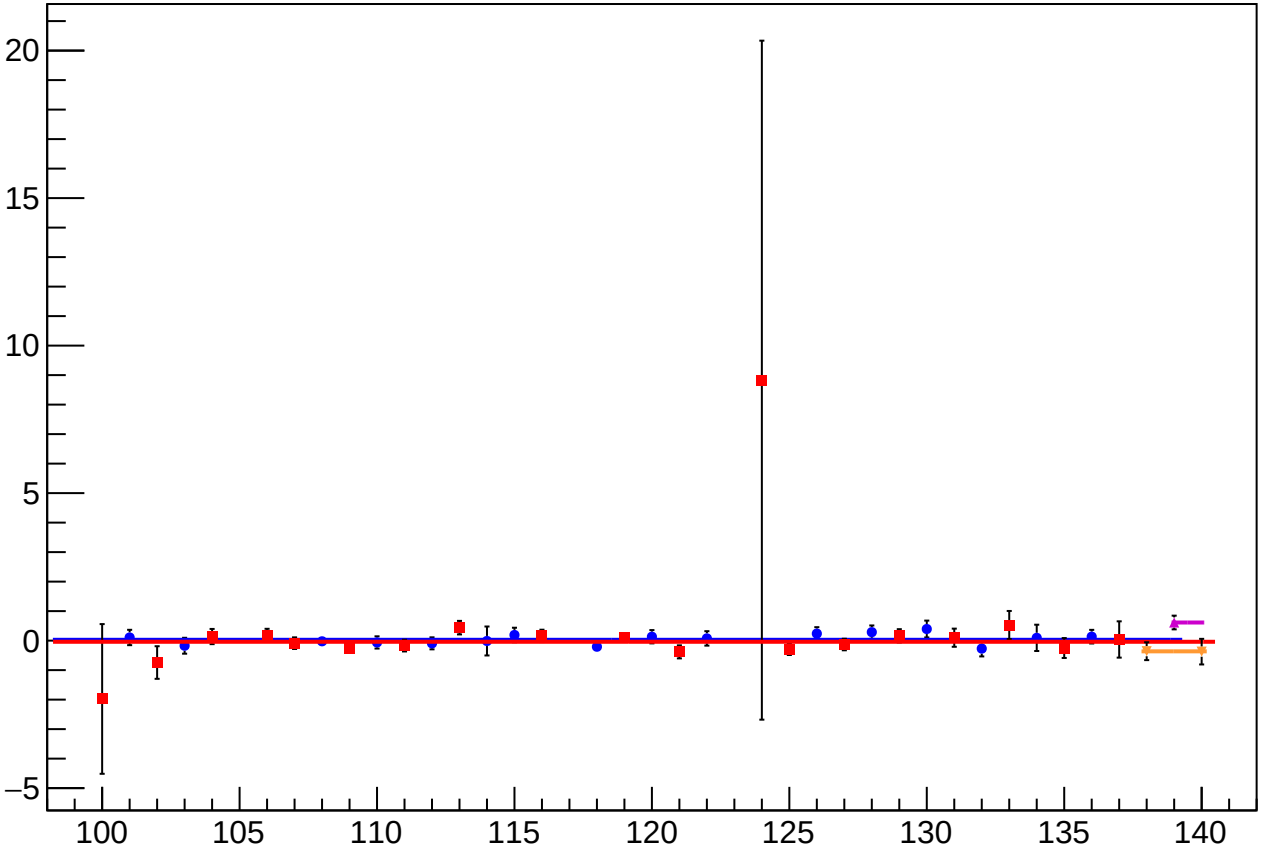
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5174953.4/16

Out: 0.007+/-0.000 χ^2/NDF:3745475.8/20

All: 0.007+/-0.000 χ^2/NDF: 8939055.3/37

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.614+/-0.233 χ^2/NDF:0.0/0

Left: 0.157+/-0.170 χ^2/NDF: 8.3/2

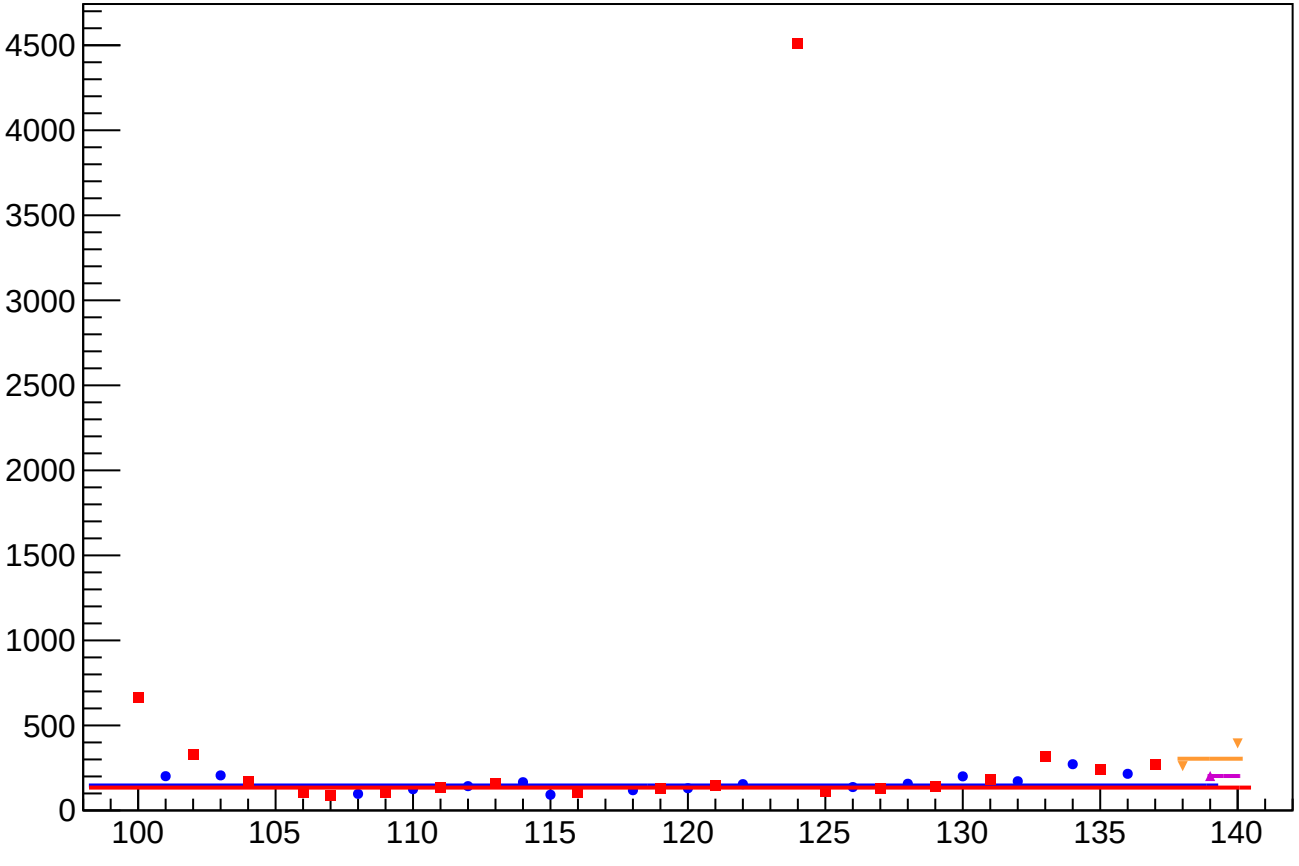
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.062+/-0.056 χ^2/NDF:15.4/16

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: 0.001+/-0.039 χ^2/NDF: 39.3/37

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF:127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 202.521+/-0.165 χ^2/NDF:0.0/0

Left: 250.092+/-0.120 χ^2/NDF: 306492.2/2

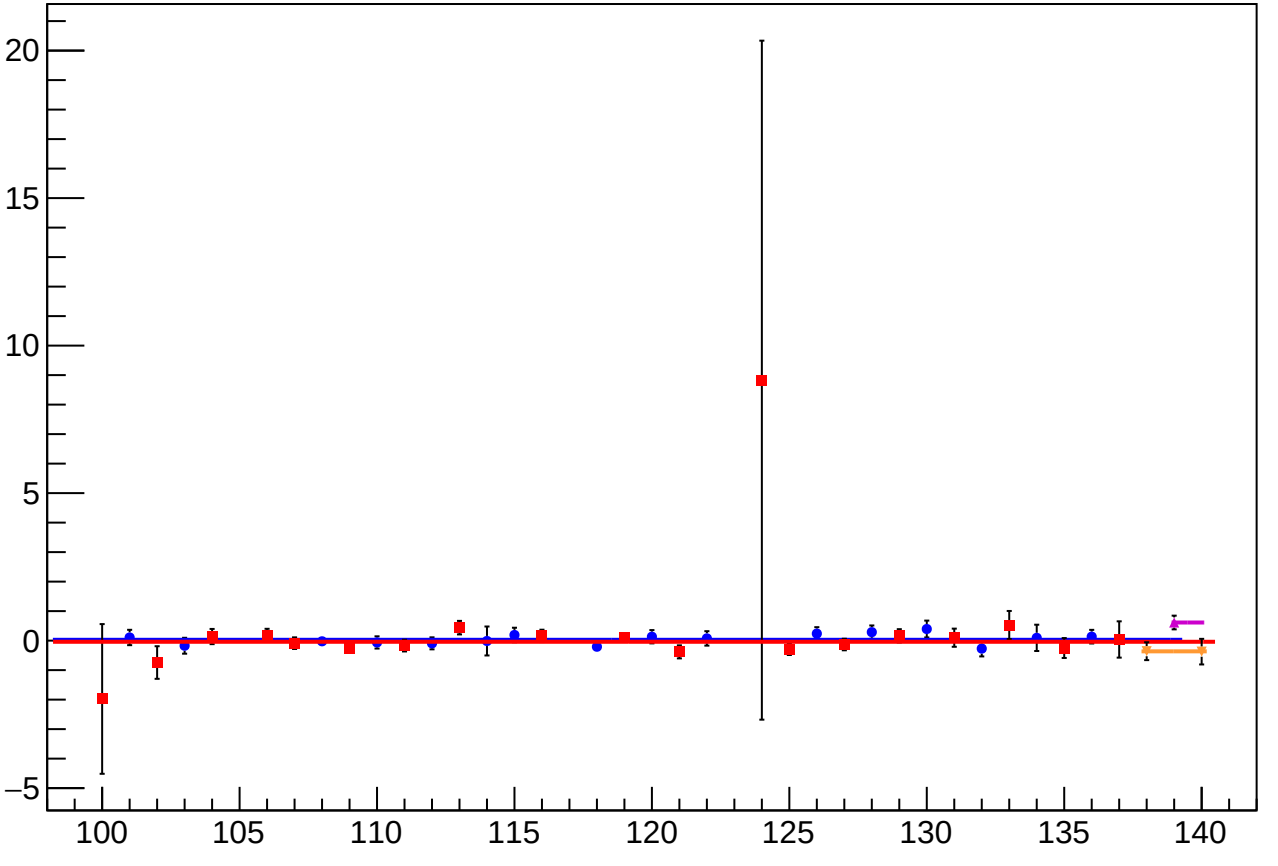
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 150.056+/-0.040 χ^2/NDF:1106578.8/16

Out: 142.390+/-0.038 χ^2/NDF:2625841.6/20

All: 146.047+/-0.027 χ^2/NDF: 3752014.1/37

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.614+/-0.233 χ^2/NDF:0.0/0

Left: 0.157+/-0.170 χ^2/NDF: 8.3/2

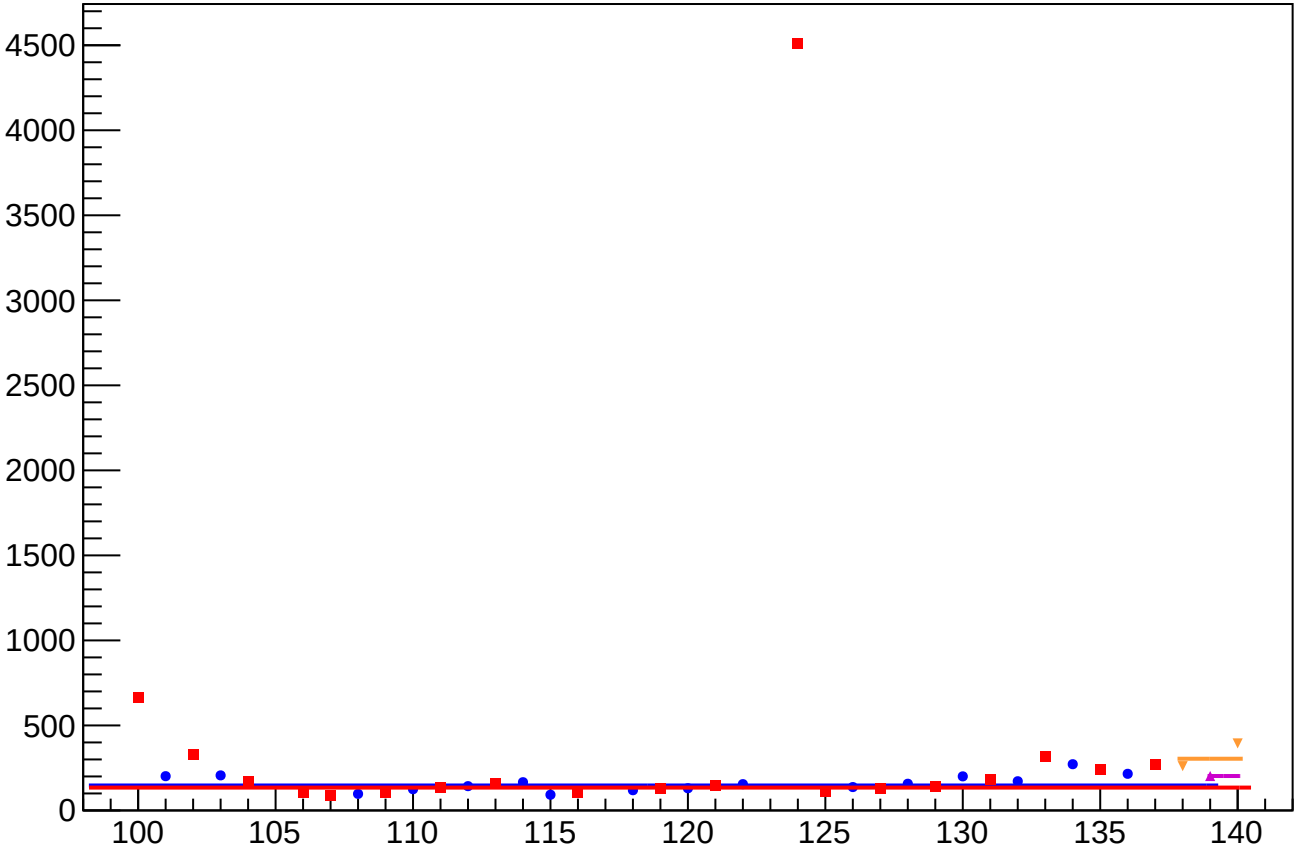
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.062+/-0.056 χ^2/NDF:15.4/16

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: 0.001+/-0.039 χ^2/NDF: 39.3/37

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF:127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 202.521+/-0.165 χ^2/NDF:0.0/0

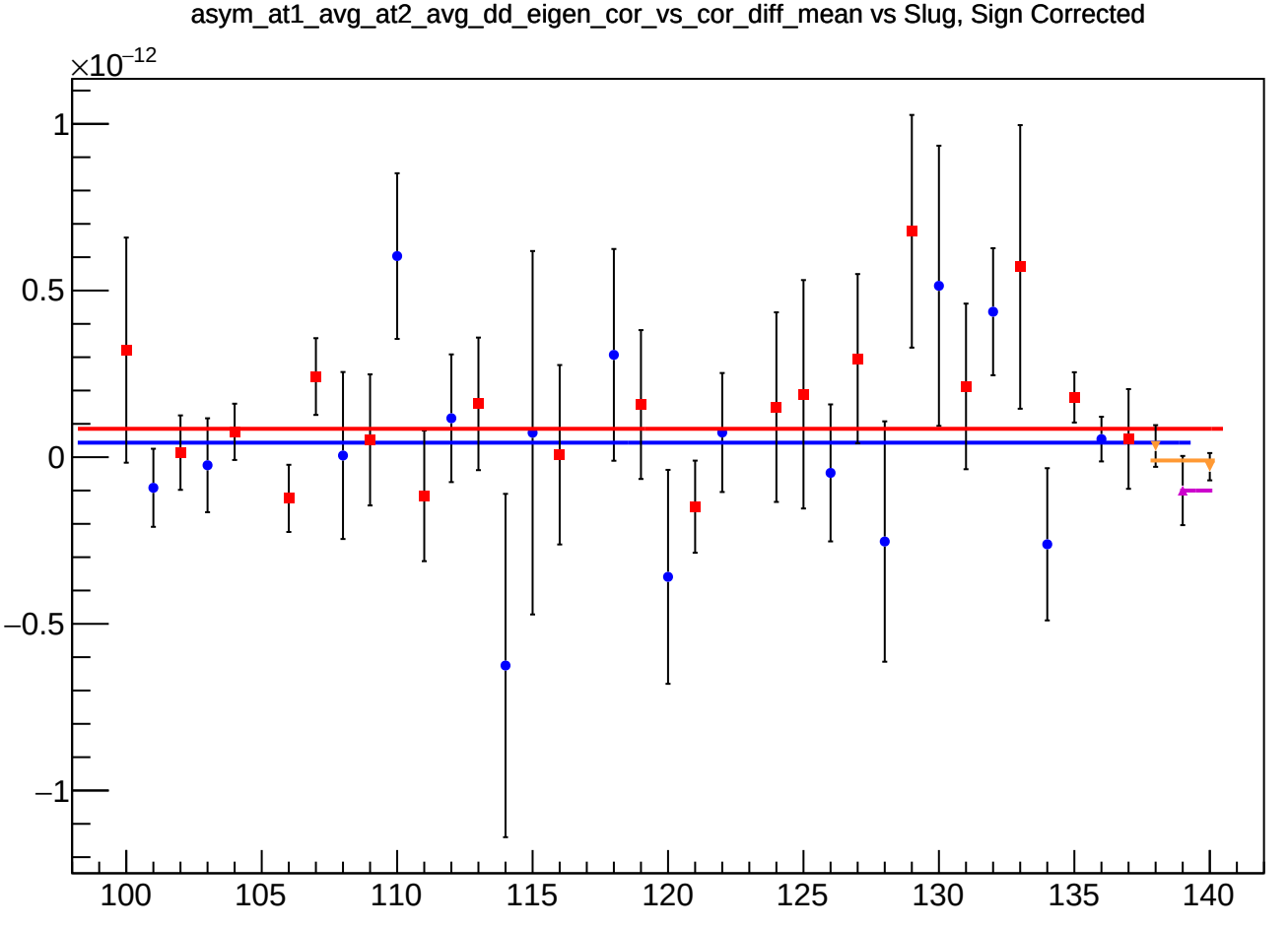
Left: 250.092+/-0.120 χ^2/NDF: 306492.2/2

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 150.056+/-0.040 χ^2/NDF:1106578.8/16

Out: 142.390+/-0.038 χ^2/NDF:2625841.6/20

All: 146.047+/-0.027 χ^2/NDF: 3752014.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

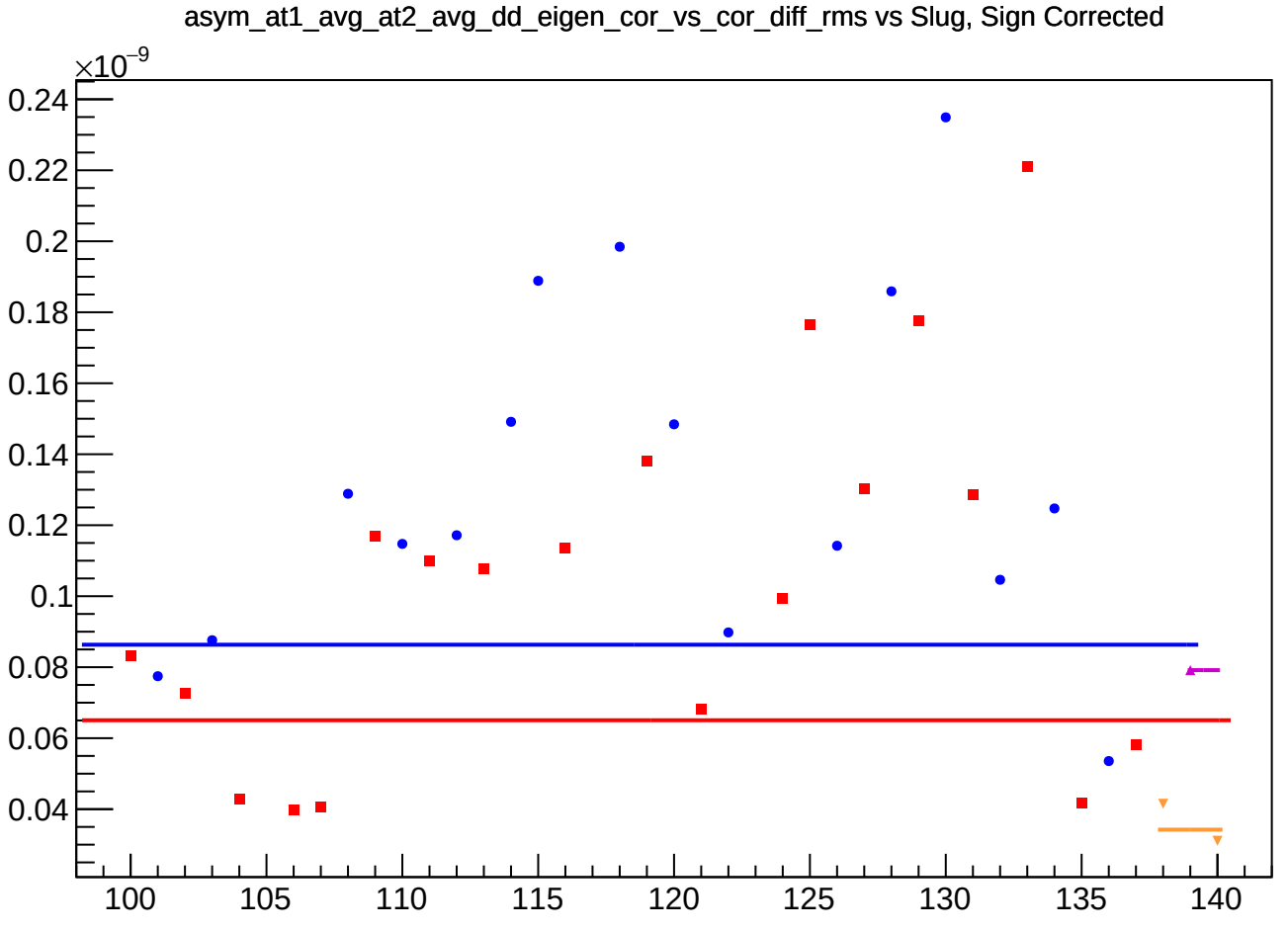
Left: -0.000+/-0.000 χ^2/NDF: 1.4/2

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:20.6/16

Out: 0.000+/-0.000 χ^2/NDF:22.7/20

All: 0.000+/-0.000 χ^2/NDF: 43.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:38834.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

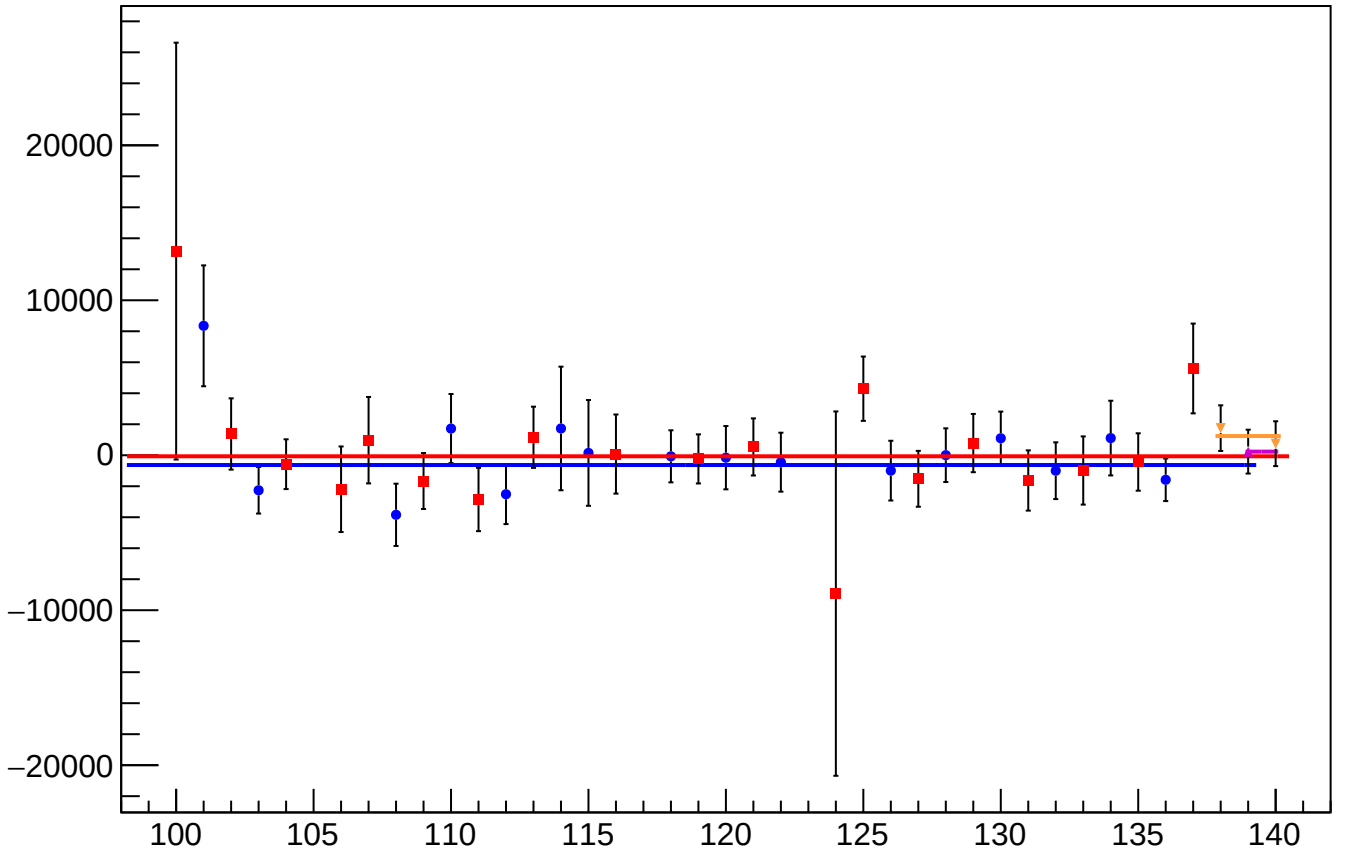
Left: 0.000+/-0.000 χ^2/NDF: 376898.8/2

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:1573799.2/16

Out: 0.000+/-0.000 χ^2/NDF:3007864.6/20

All: 0.000+/-0.000 χ^2/NDF: 5763980.8/37



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.687+/-1031.611 χ^2/NDF:0.2/1

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: 233.052+/-1415.193 χ^2/NDF:0.0/0

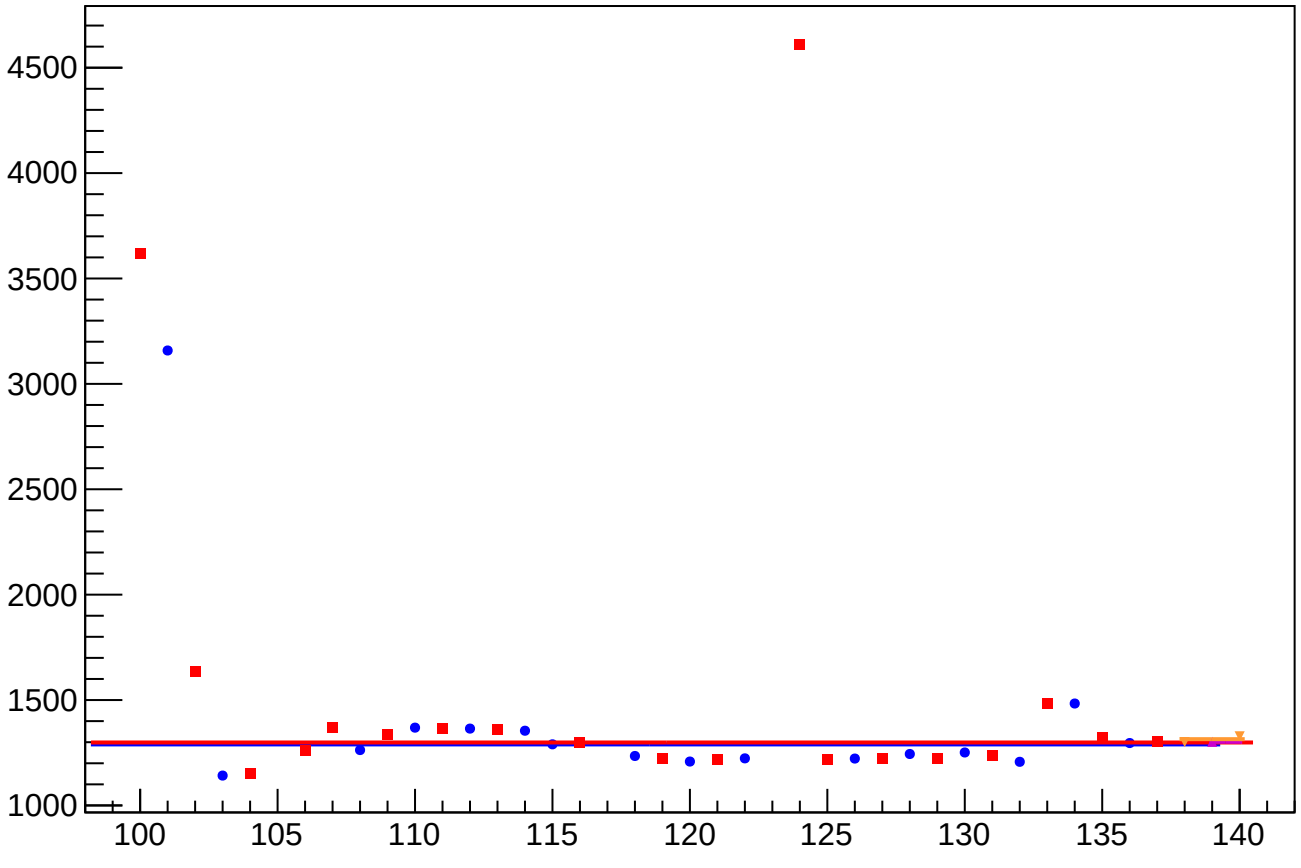
Left: 889.740+/-833.634 χ^2/NDF: 0.6/2

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -538.990+/-461.902 χ^2/NDF:14.2/16

Out: 171.035+/-440.956 χ^2/NDF:17.4/20

All: -167.514+/-318.951 χ^2/NDF: 32.9/37



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1301.933+/-1.001 χ^2/NDF:0.0/0

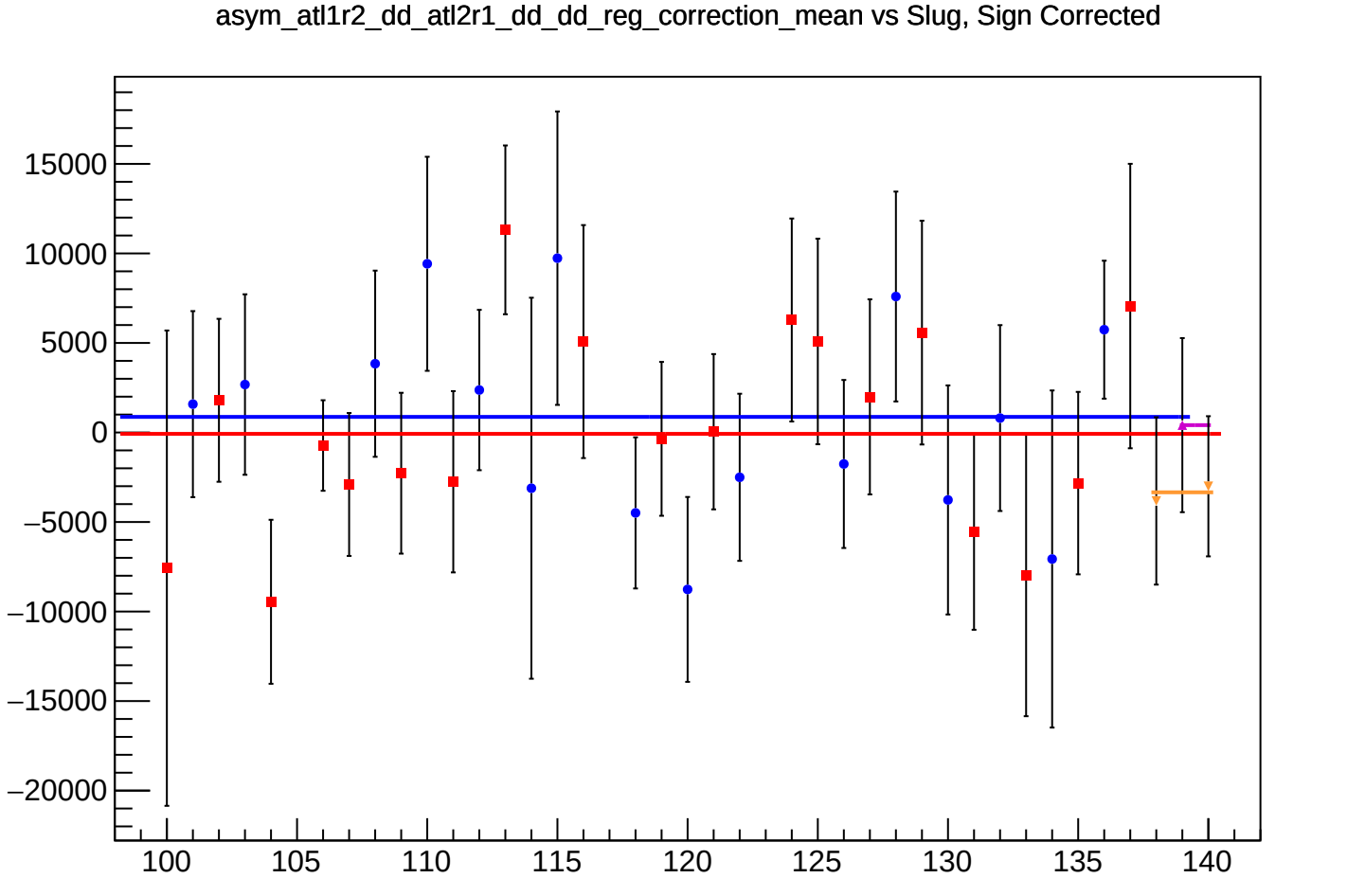
Left: 1310.063+/-0.589 χ^2/NDF: 454.6/2

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

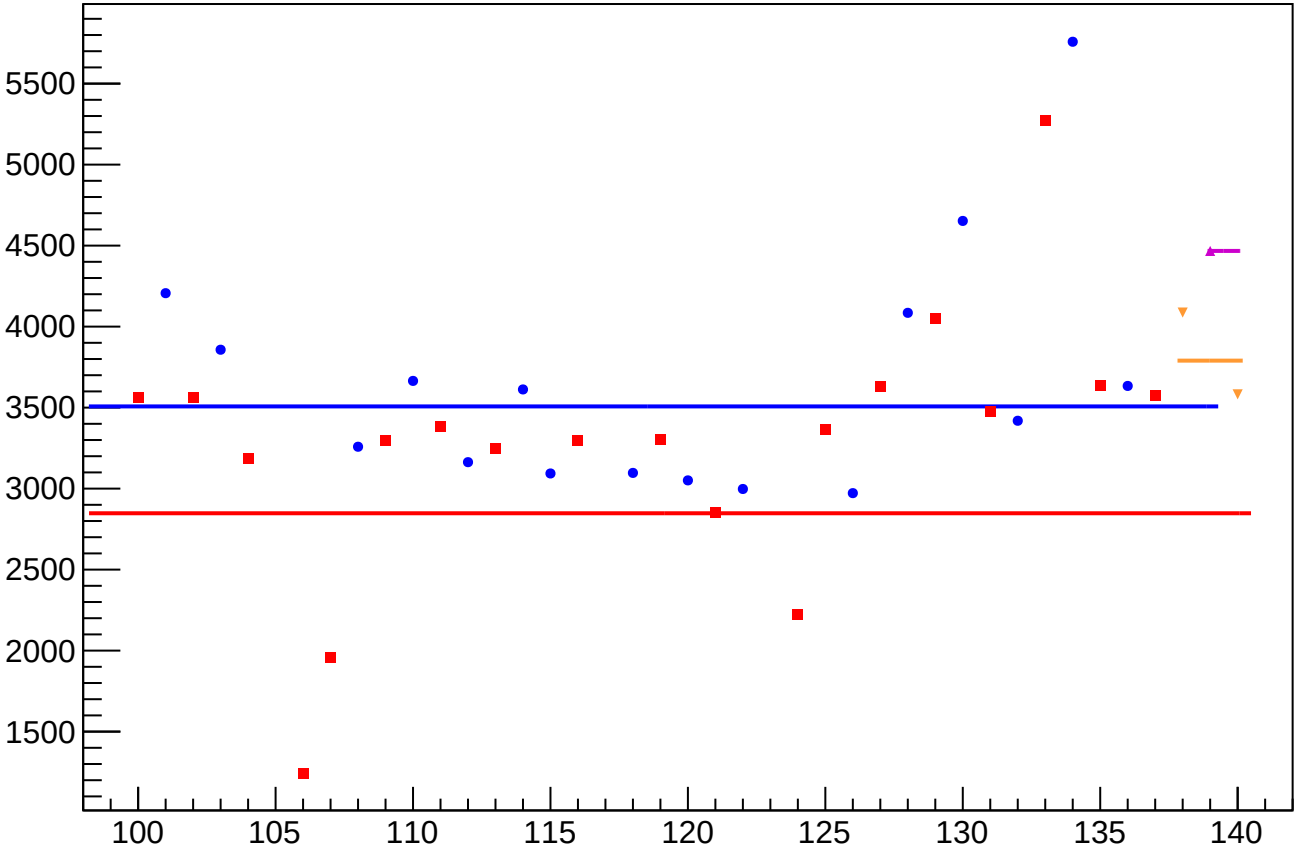
In: 1290.794+/-0.327 χ^2/NDF:514813.7/16

Out: 1301.517+/-0.311 χ^2/NDF:320108.6/20

All: 1296.416+/-0.225 χ^2/NDF: 835487.4/37


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
105
110
115
120
125
130
135
140
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -3341.980+/-3000.918 χ²/NDF:0.0/1
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 410.082+/-4862.047 χ²/NDF:0.0/0
Left: -2306.930+/-2553.671 χ²/NDF: 0.4/2
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 838.467+/-1278.629 χ²/NDF:14.0/16
Out: -470.895+/-1041.951 χ²/NDF:19.4/20
All: 51.617+/-807.724 χ²/NDF: 34.1/37

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: 3790.009+/-2.122 χ^2/NDF:13720.0/1

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4467.227+/-3.438 χ^2/NDF:0.0/0

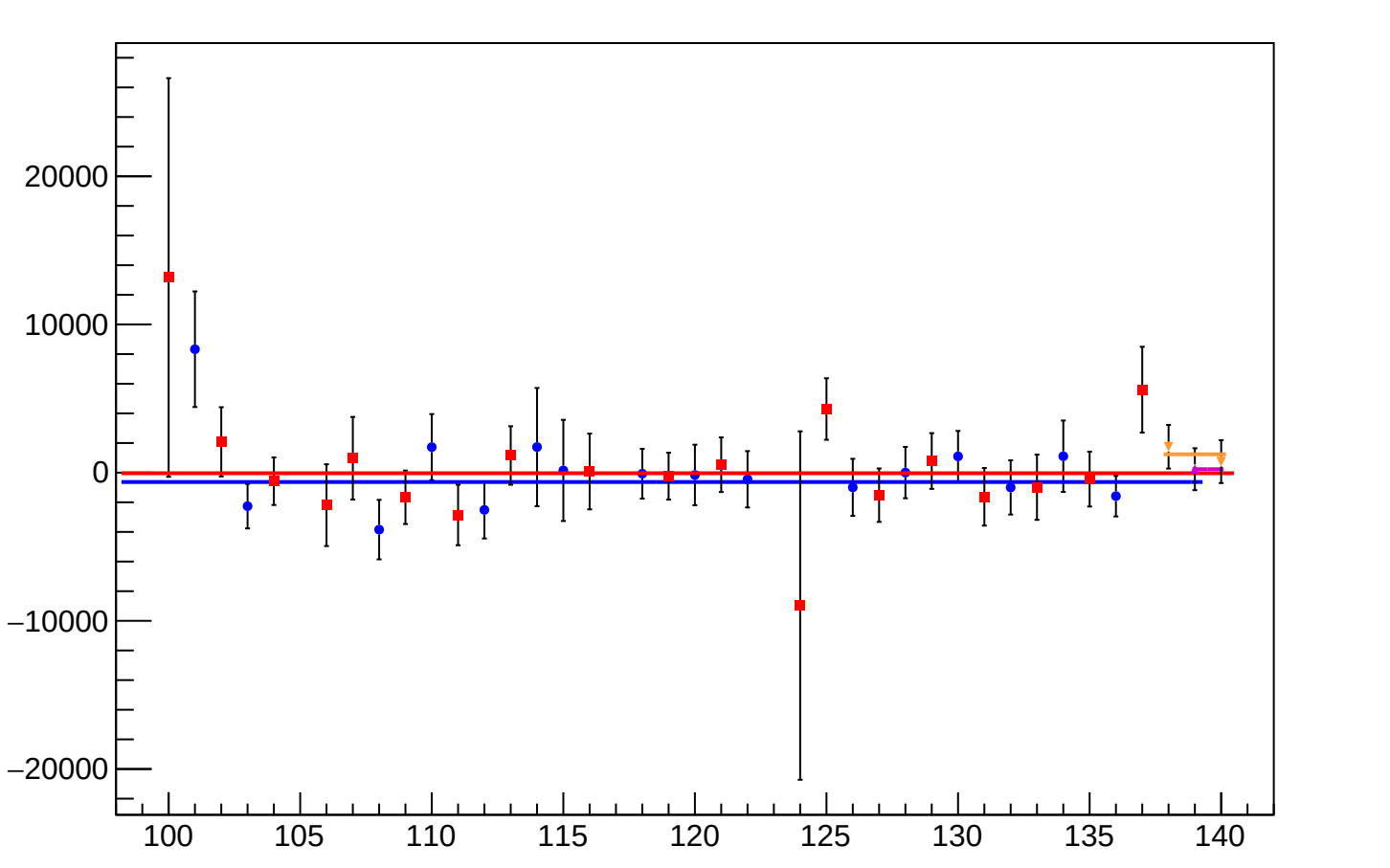
Left: 3976.827+/-1.806 χ^2/NDF: 41817.6/2

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3573.778+/-0.904 χ^2/NDF:426532.1/16

Out: 2961.417+/-0.737 χ^2/NDF:1686471.8/20

All: 3205.785+/-0.571 χ^2/NDF: 2388672.8/37



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF:0.2/1

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 233.286+/-1415.193 χ^2/NDF:0.0/0

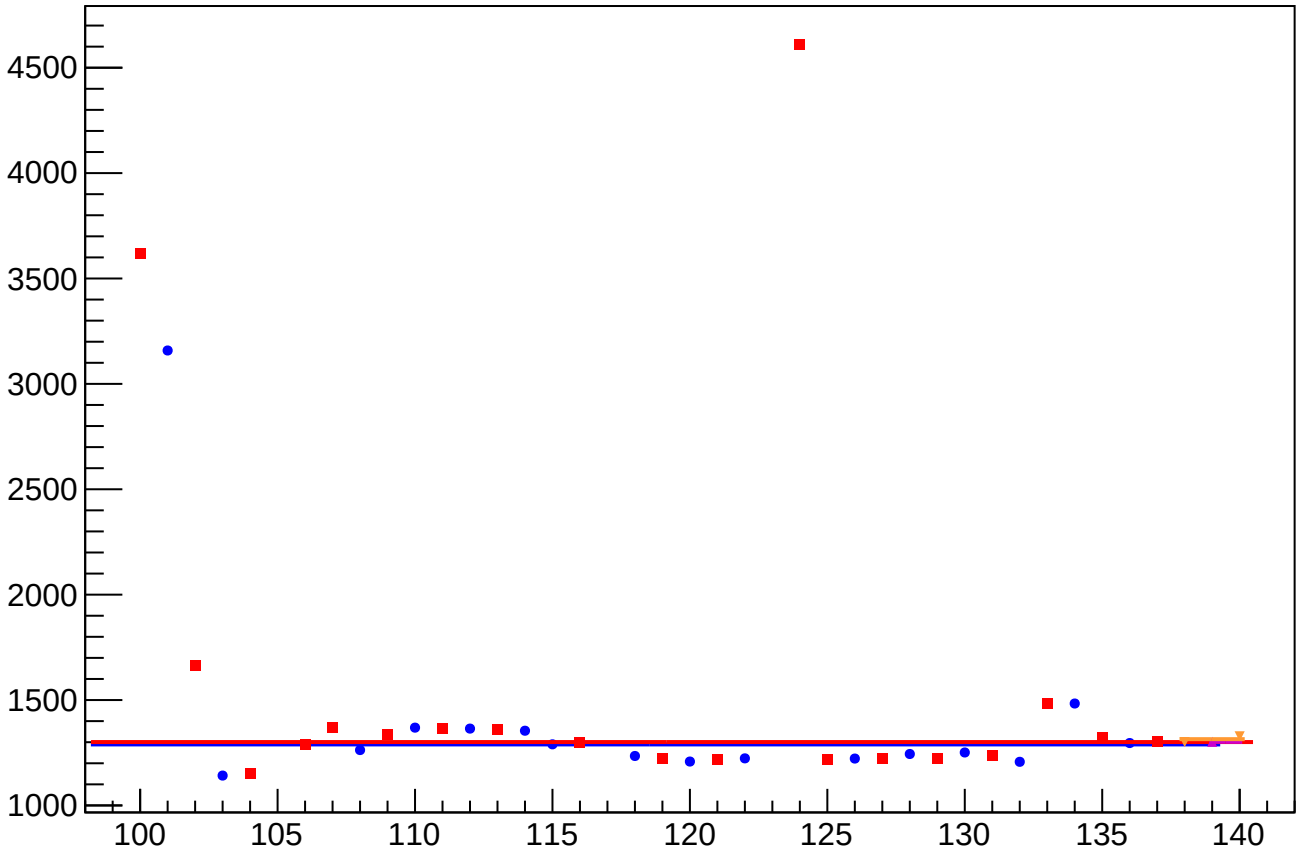
Left: 889.770+/-833.634 χ^2/NDF: 0.6/2

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -539.310+/-461.902 χ^2/NDF:14.2/16

Out: 194.991+/-441.195 χ^2/NDF:17.8/20

All: -155.332+/-319.041 χ^2/NDF: 33.3/37



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1301.933+/-1.001 χ^2/NDF:0.0/0

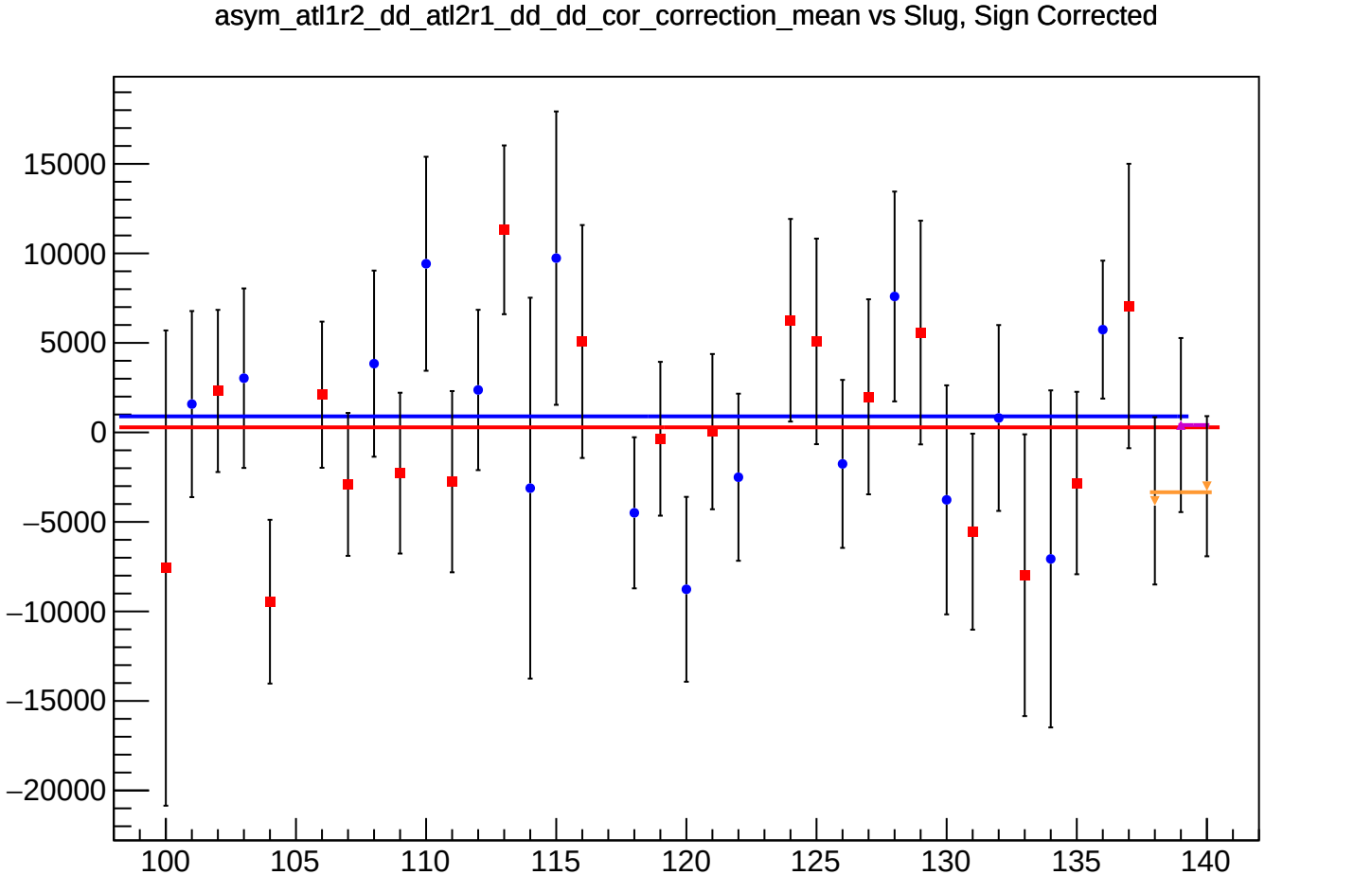
Left: 1310.063+/-0.589 χ^2/NDF: 454.6/2

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1290.794+/-0.327 χ^2/NDF:514815.2/16

Out: 1303.182+/-0.311 χ^2/NDF:326549.5/20

All: 1297.281+/-0.225 χ^2/NDF: 842118.0/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3342.029+/-3000.914 χ^2/NDF:0.0/1

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 410.057+/-4862.030 χ^2/NDF:0.0/0

Left: -2306.969+/-2553.665 χ^2/NDF: 0.4/2

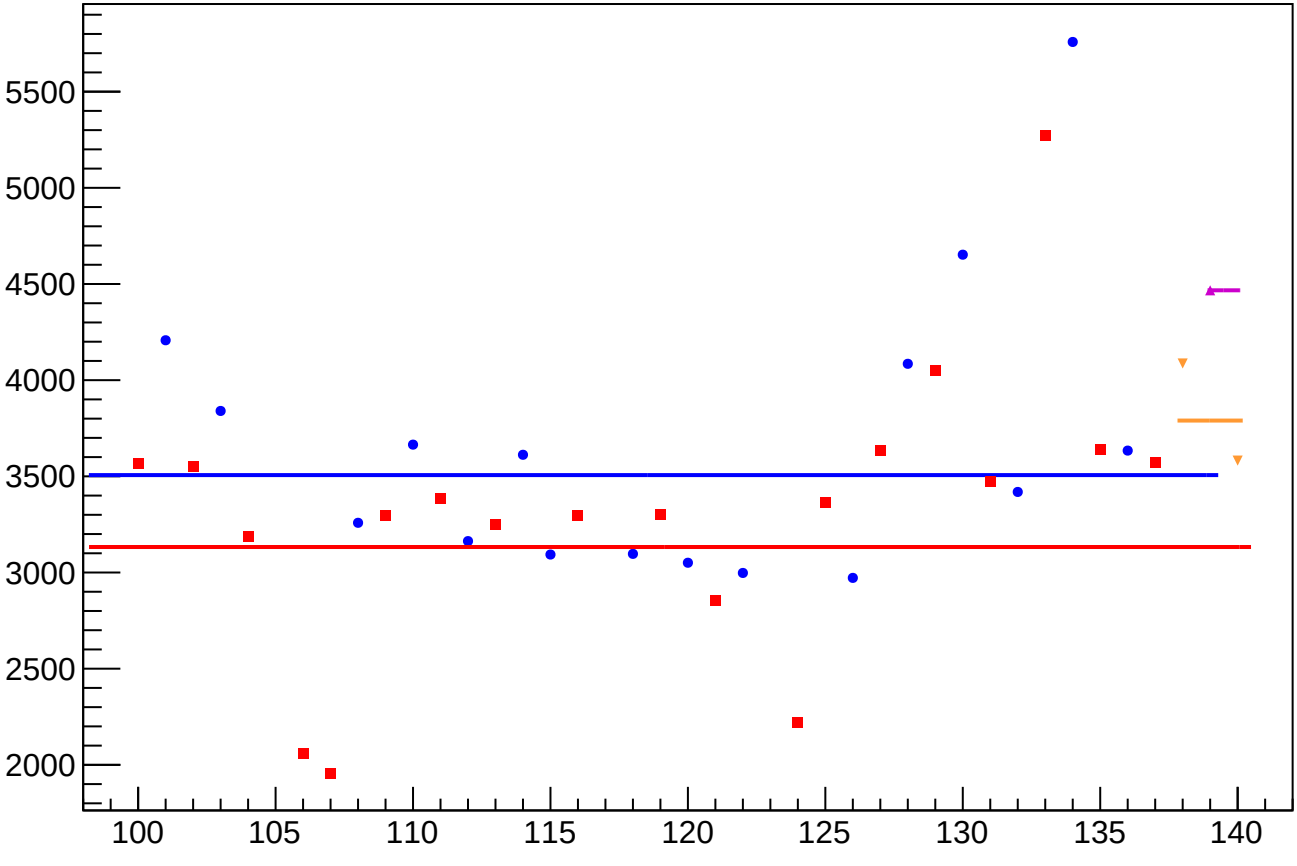
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 862.429+/-1278.220 χ^2/NDF:14.1/16

Out: -203.863+/-1100.708 χ^2/NDF:19.9/20

All: 250.159+/-834.076 χ^2/NDF: 34.4/37

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF:13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4467.211+/-3.438 χ^2/NDF:0.0/0

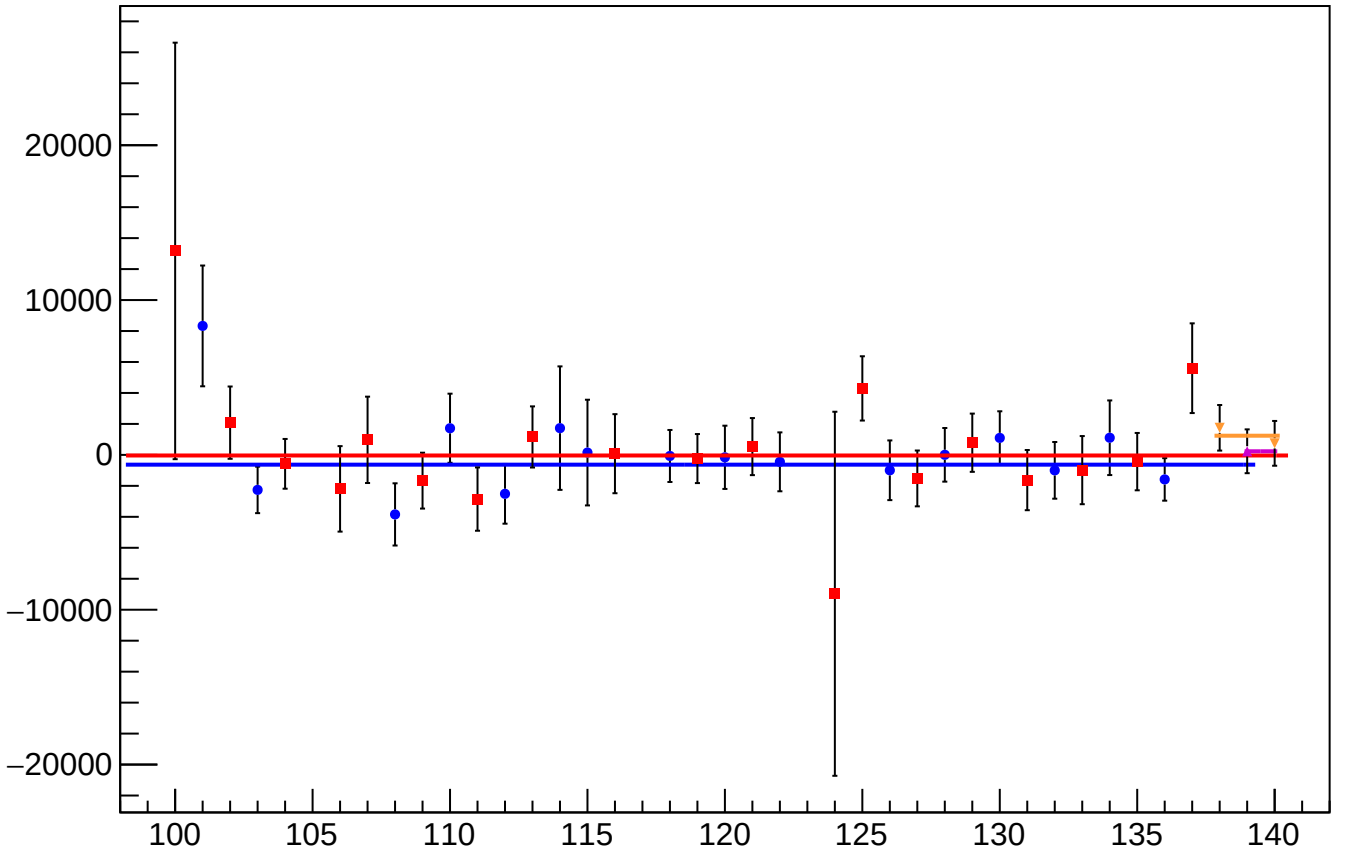
Left: 3976.819+/-1.806 χ^2/NDF: 41817.3/2

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.885+/-0.904 χ^2/NDF:425930.3/16

Out: 3221.032+/-0.778 χ^2/NDF:746403.3/20

All: 3370.850+/-0.590 χ^2/NDF: 1259351.3/37



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF:0.2/1

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 233.286+/-1415.193 χ^2/NDF:0.0/0

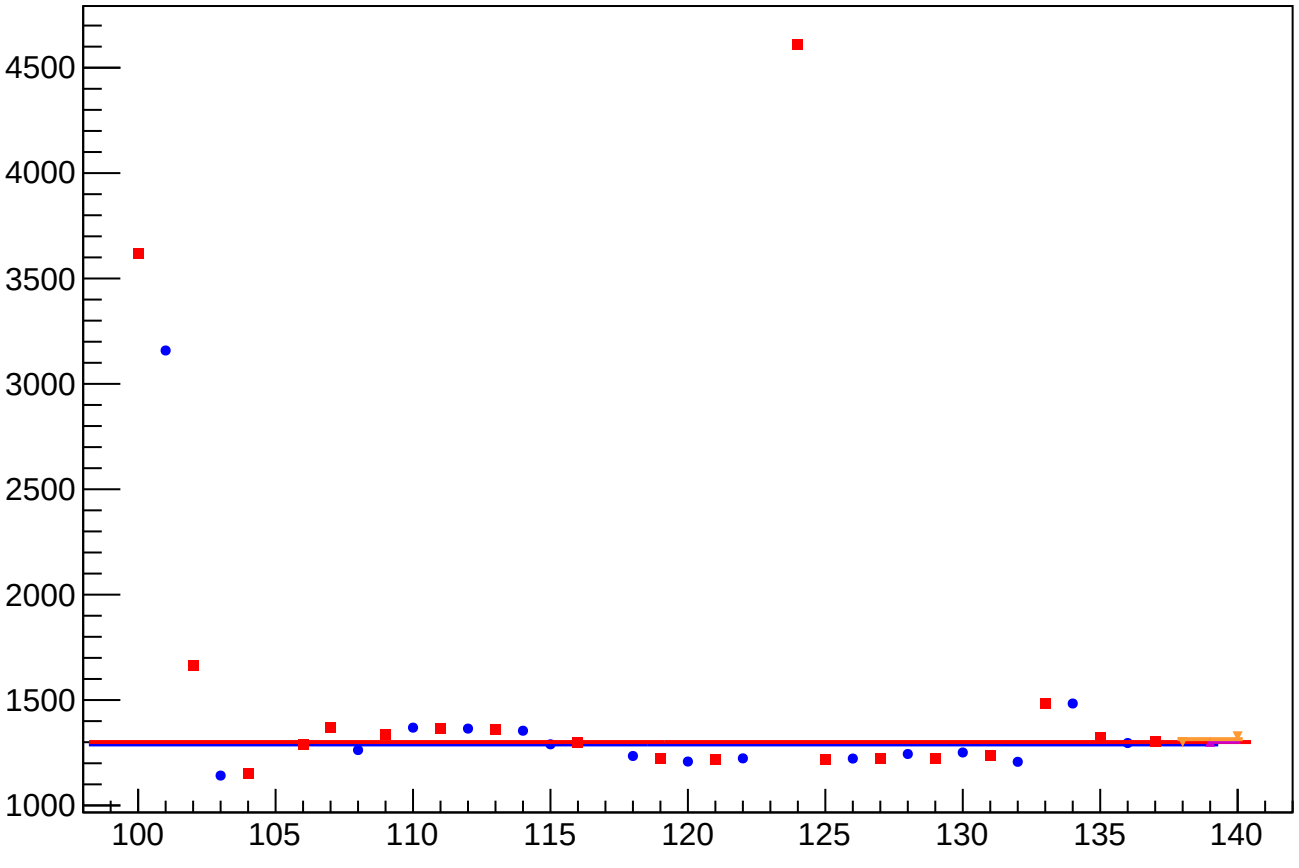
Left: 889.770+/-833.634 χ^2/NDF: 0.6/2

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -539.310+/-461.902 χ^2/NDF:14.2/16

Out: 194.991+/-441.195 χ^2/NDF:17.8/20

All: -155.332+/-319.041 χ^2/NDF: 33.3/37



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1301.933+/-1.001 χ^2/NDF:0.0/0

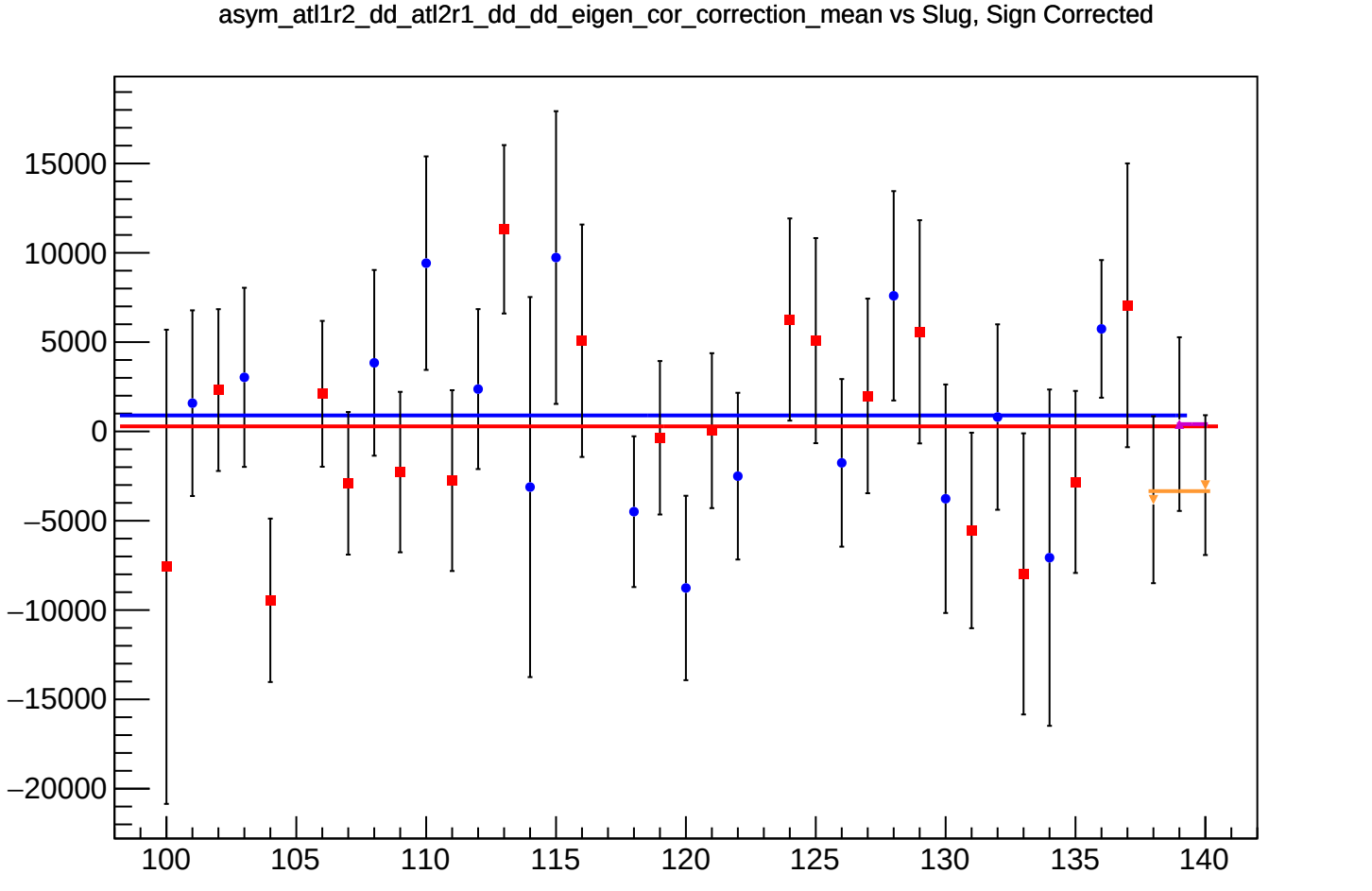
Left: 1310.063+/-0.589 χ^2/NDF: 454.6/2

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1290.794+/-0.327 χ^2/NDF:514815.2/16

Out: 1303.182+/-0.311 χ^2/NDF:326549.5/20

All: 1297.281+/-0.225 χ^2/NDF: 842118.0/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3342.029+/-3000.914 χ^2/NDF:0.0/1

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 410.057+/-4862.030 χ^2/NDF:0.0/0

Left: -2306.969+/-2553.665 χ^2/NDF: 0.4/2

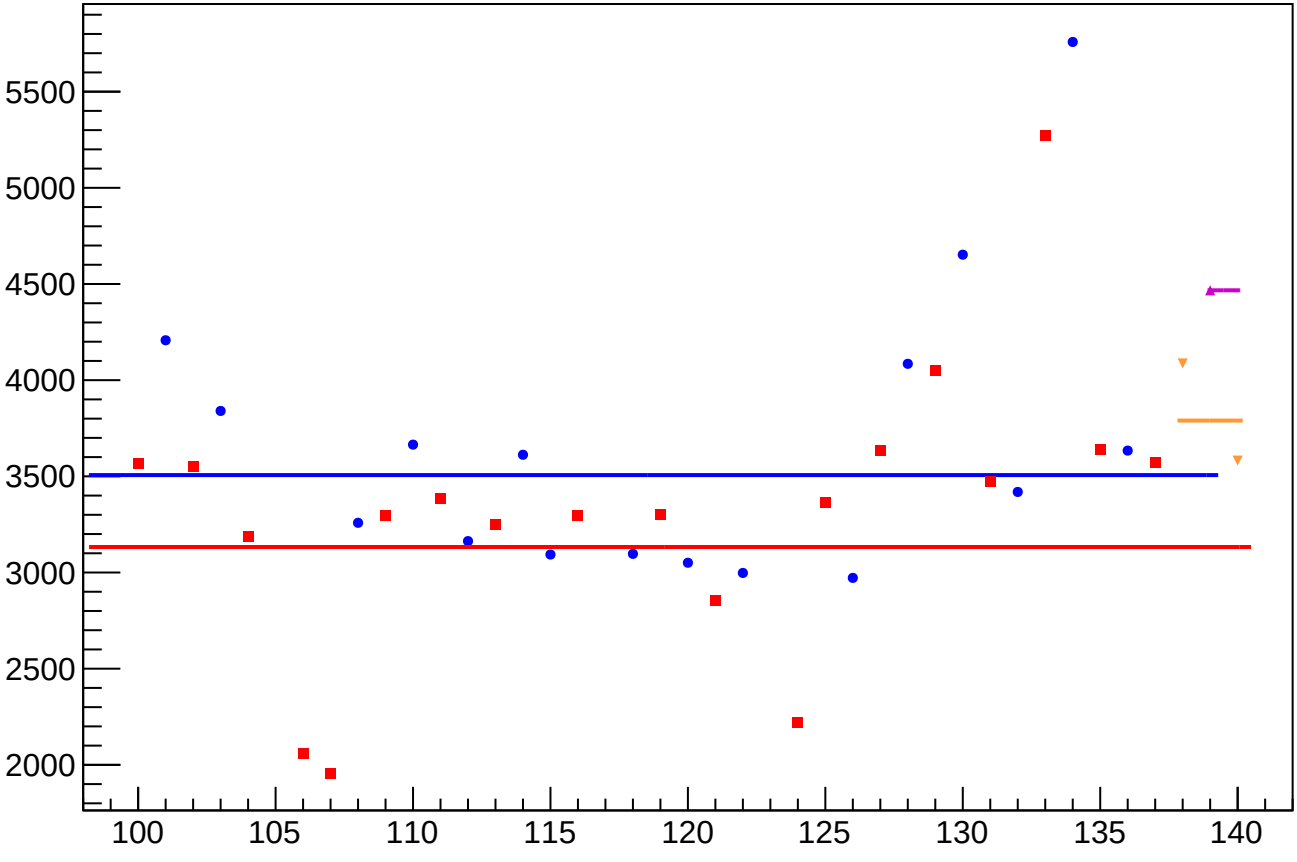
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 862.429+/-1278.220 χ^2/NDF:14.1/16

Out: -203.863+/-1100.708 χ^2/NDF:19.9/20

All: 250.159+/-834.076 χ^2/NDF: 34.4/37

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF:13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4467.211+/-3.438 χ^2/NDF:0.0/0

Left: 3976.819+/-1.806 χ^2/NDF: 41817.3/2

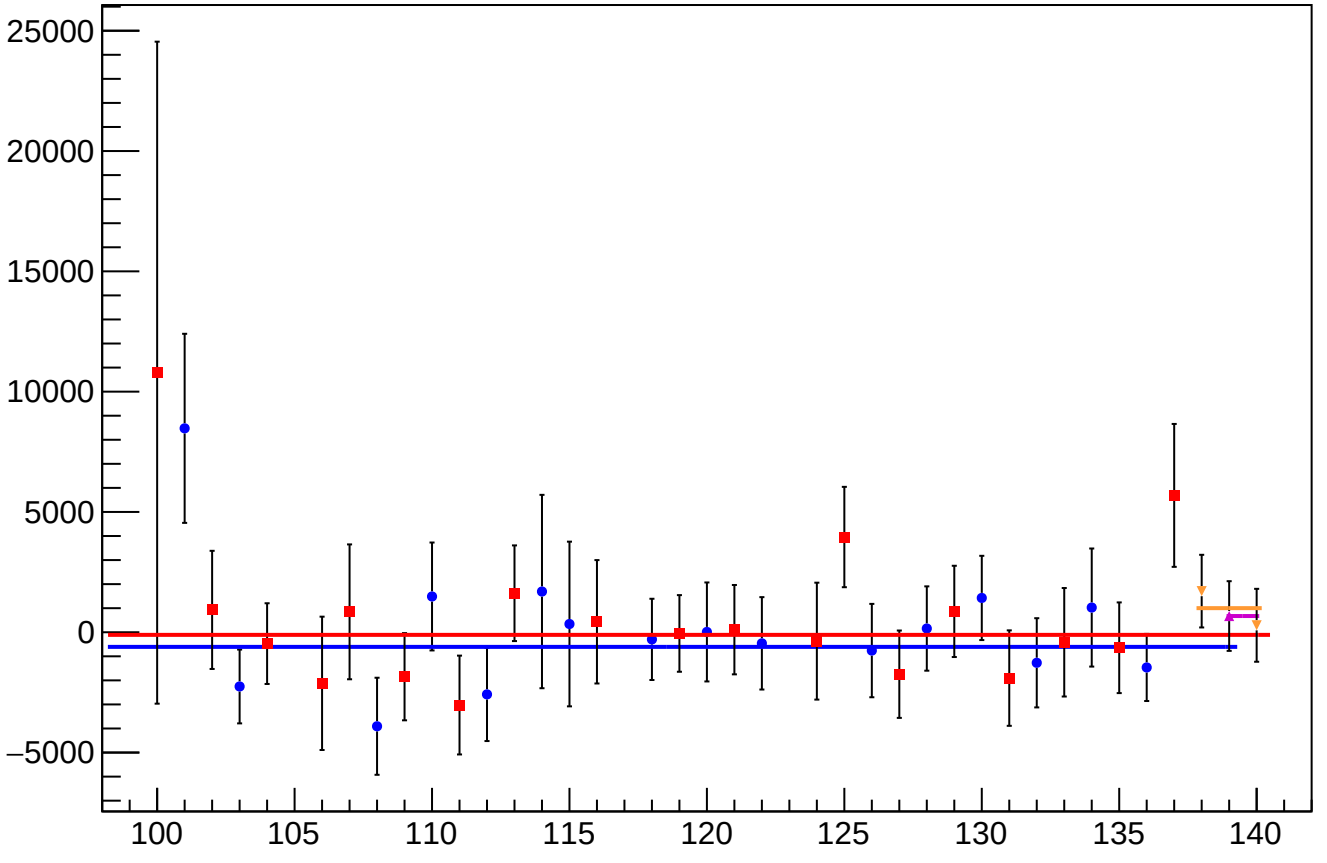
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.885+/-0.904 χ^2/NDF:425930.3/16

Out: 3221.032+/-0.778 χ^2/NDF:746403.3/20

All: 3370.850+/-0.590 χ^2/NDF: 1259351.3/37

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1001.801+/-1069.457 χ^2/NDF:0.4/1

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: 674.162+/-1448.021 χ^2/NDF:0.0/0

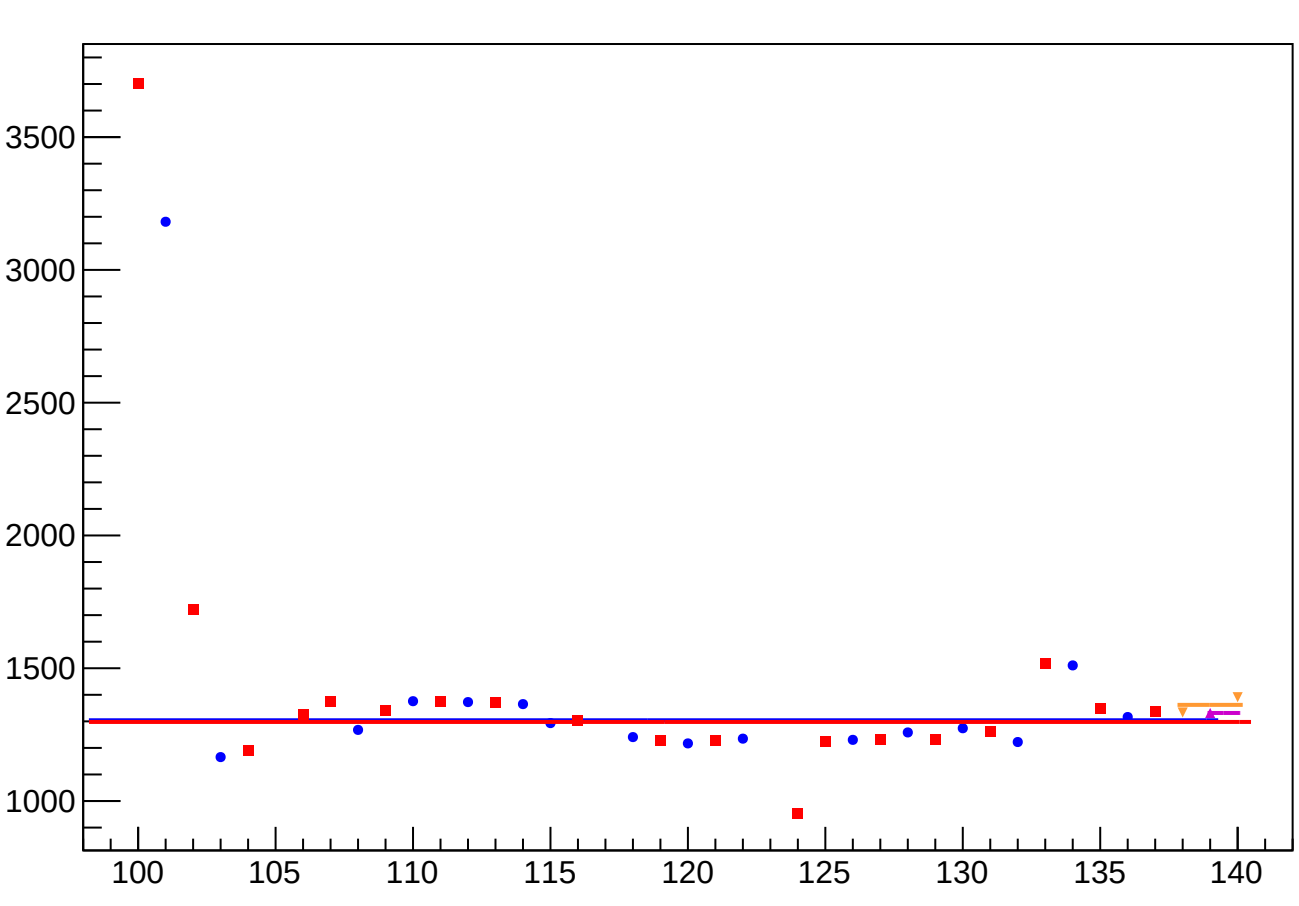
Left: 886.161+/-860.265 χ^2/NDF: 0.5/2

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -474.091+/-467.695 χ^2/NDF:14.8/16

Out: 81.160+/-442.119 χ^2/NDF:16.2/20

All: -180.869+/-321.287 χ^2/NDF: 31.8/37



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1362.076+/-0.756 χ^2/NDF:1440.8/1

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1331.596+/-1.024 χ^2/NDF:0.0/0

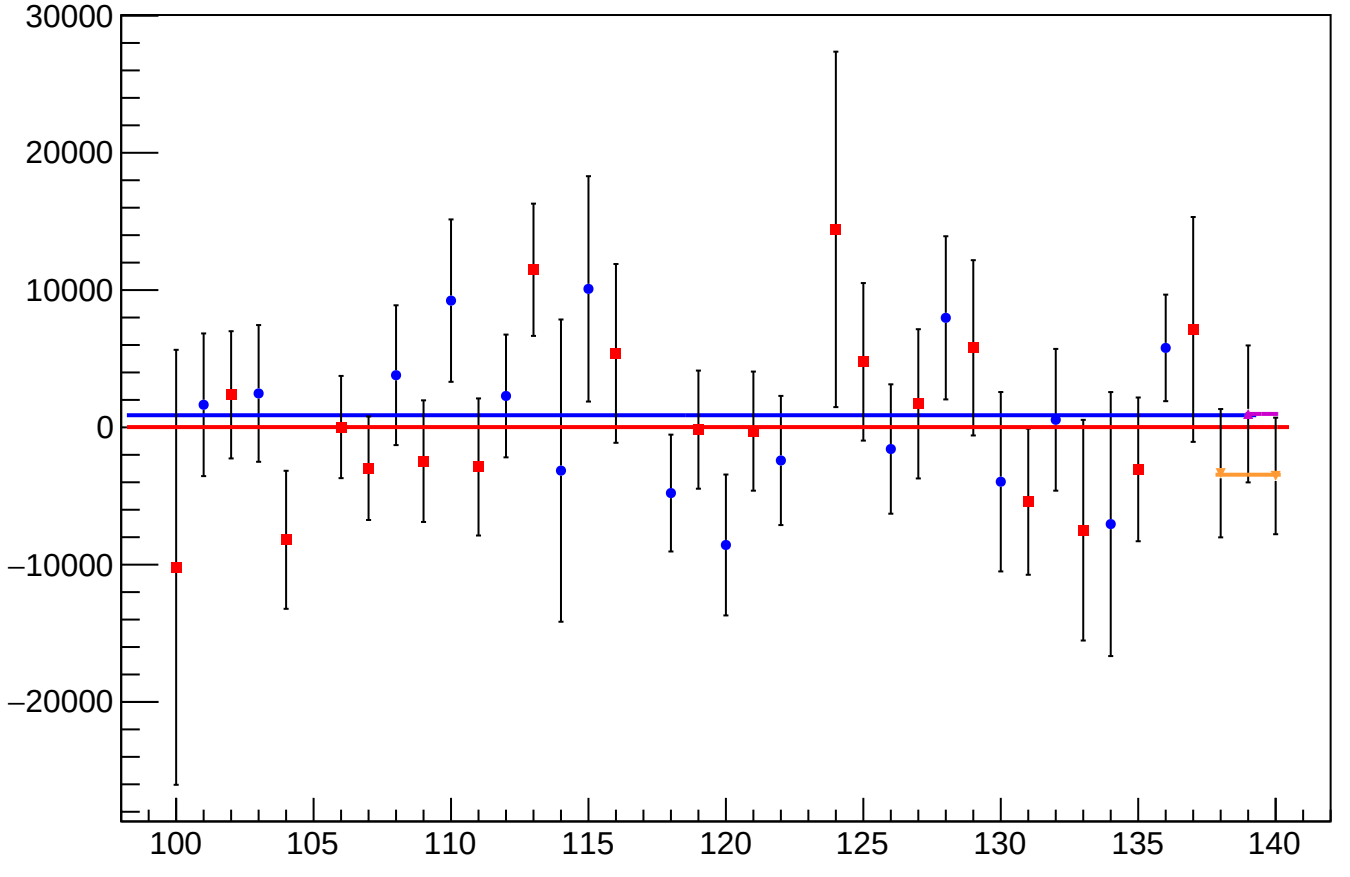
Left: 1351.318+/-0.608 χ^2/NDF: 2014.2/2

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1306.971+/-0.331 χ^2/NDF:511235.2/16

Out: 1308.768+/-0.312 χ^2/NDF:220529.6/20

All: 1307.920+/-0.227 χ^2/NDF: 731780.4/37



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3448.190+/-3141.914 χ^2/NDF:0.0/1

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 980.044+/-4987.994 χ^2/NDF:0.0/0

Left: -2190.299+/-2658.472 χ^2/NDF: 0.6/2

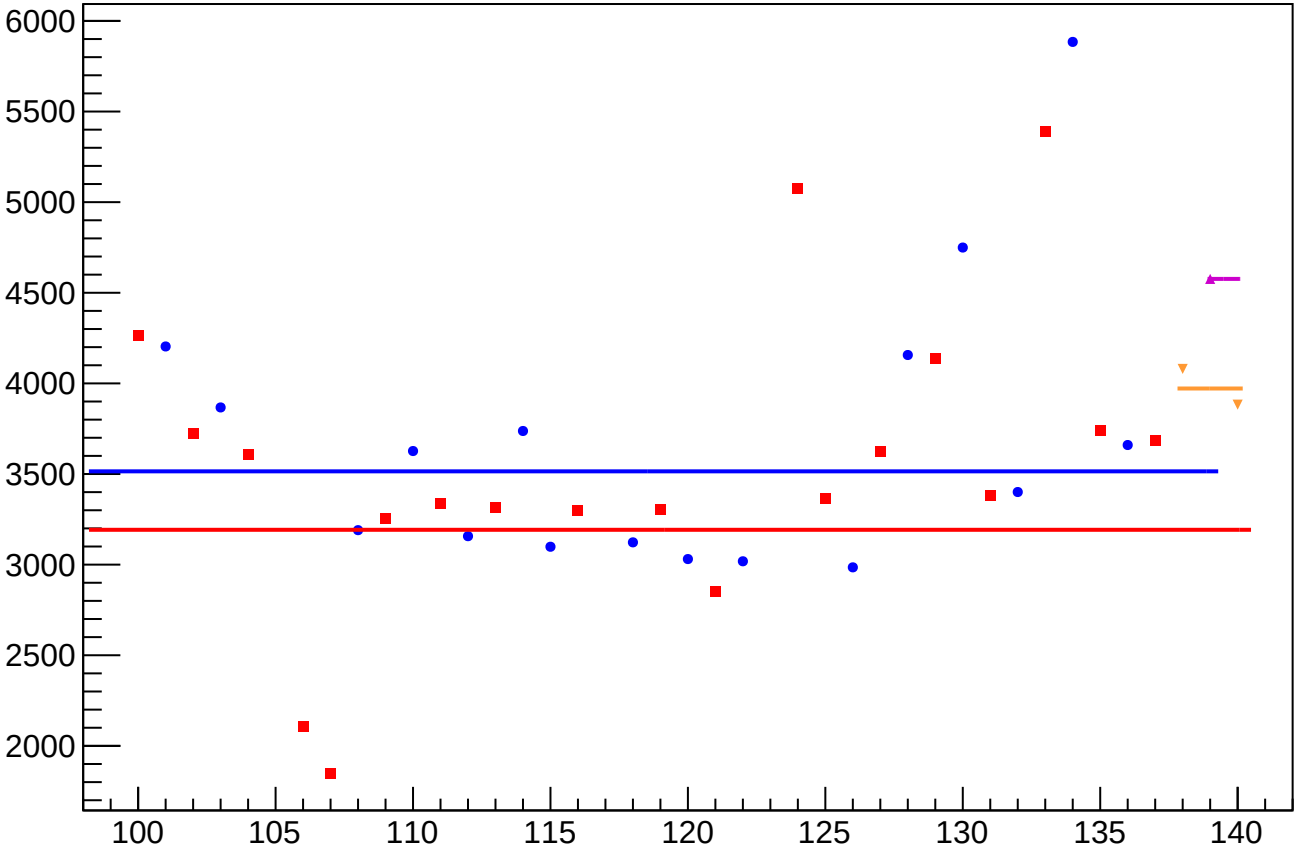
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 890.406+/-1282.754 χ^2/NDF:14.1/16

Out: -420.925+/-1121.031 χ^2/NDF:17.9/20

All: 146.914+/-844.111 χ^2/NDF: 32.6/37

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3971.800+/-2.222 χ^2/NDF:1950.7/1

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4576.548+/-3.527 χ^2/NDF:0.0/0

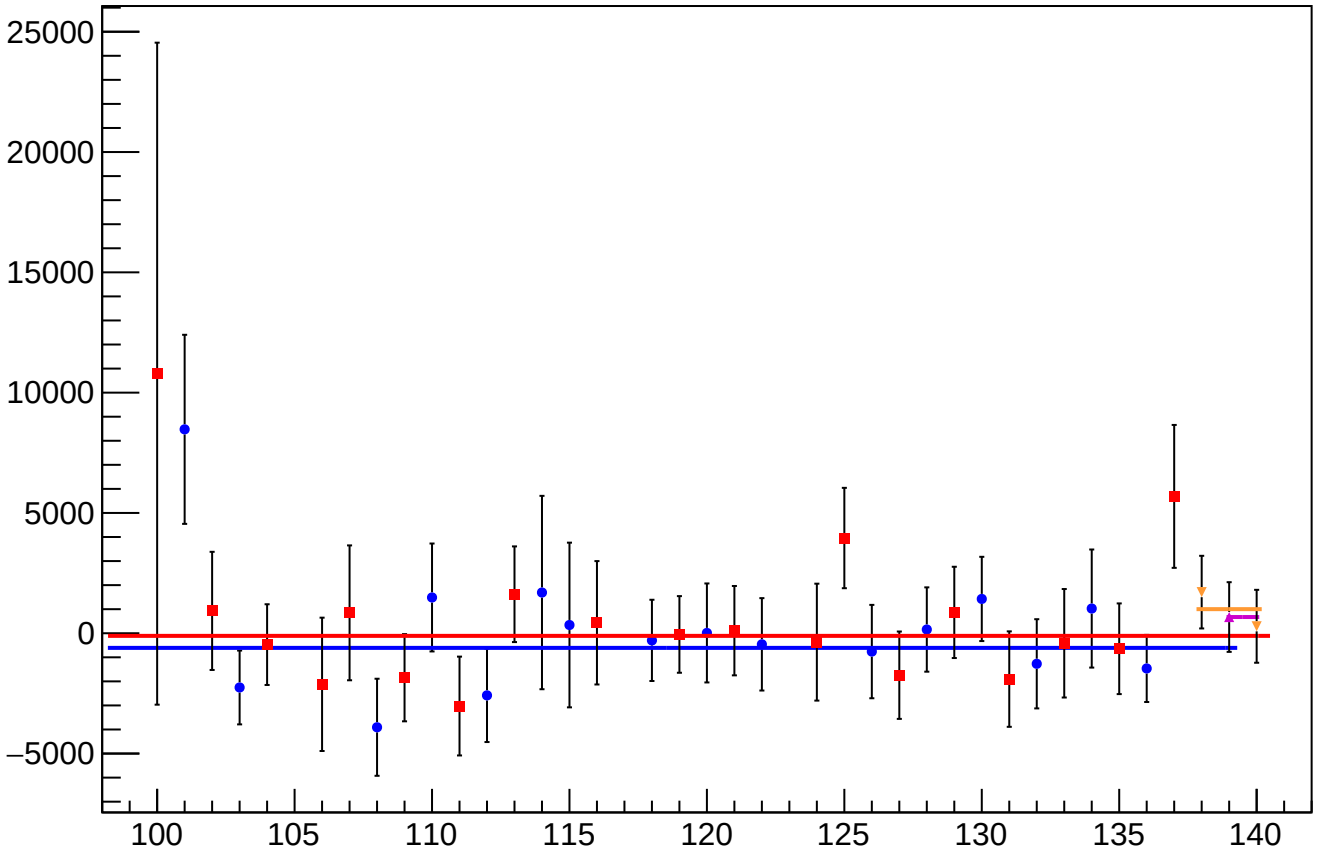
Left: 4143.585+/-1.880 χ^2/NDF: 22998.4/2

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3584.969+/-0.907 χ^2/NDF:459713.6/16

Out: 3291.450+/-0.793 χ^2/NDF:881905.4/20

All: 3418.551+/-0.597 χ^2/NDF: 1400990.5/37



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1001.798+/-1069.458 χ^2/NDF:0.4/1

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 674.178+/-1448.023 χ^2/NDF:0.0/0

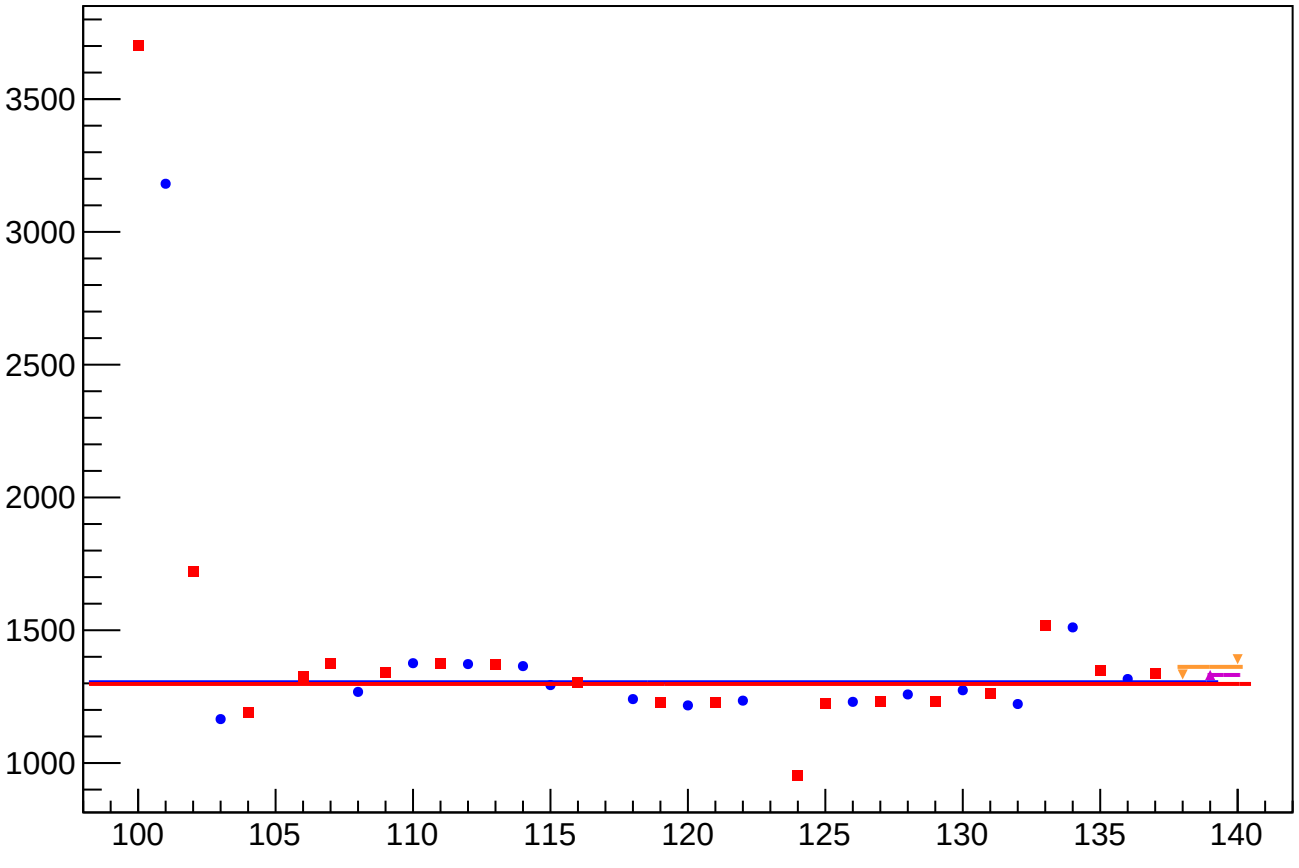
Left: 886.164+/-860.265 χ^2/NDF: 0.5/2

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -474.092+/-467.695 χ^2/NDF:14.8/16

Out: 81.155+/-442.119 χ^2/NDF:16.2/20

All: -180.872+/-321.287 χ^2/NDF: 31.8/37



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1362.076+/-0.756 χ^2/NDF:1440.8/1

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1331.597+/-1.024 χ^2/NDF:0.0/0

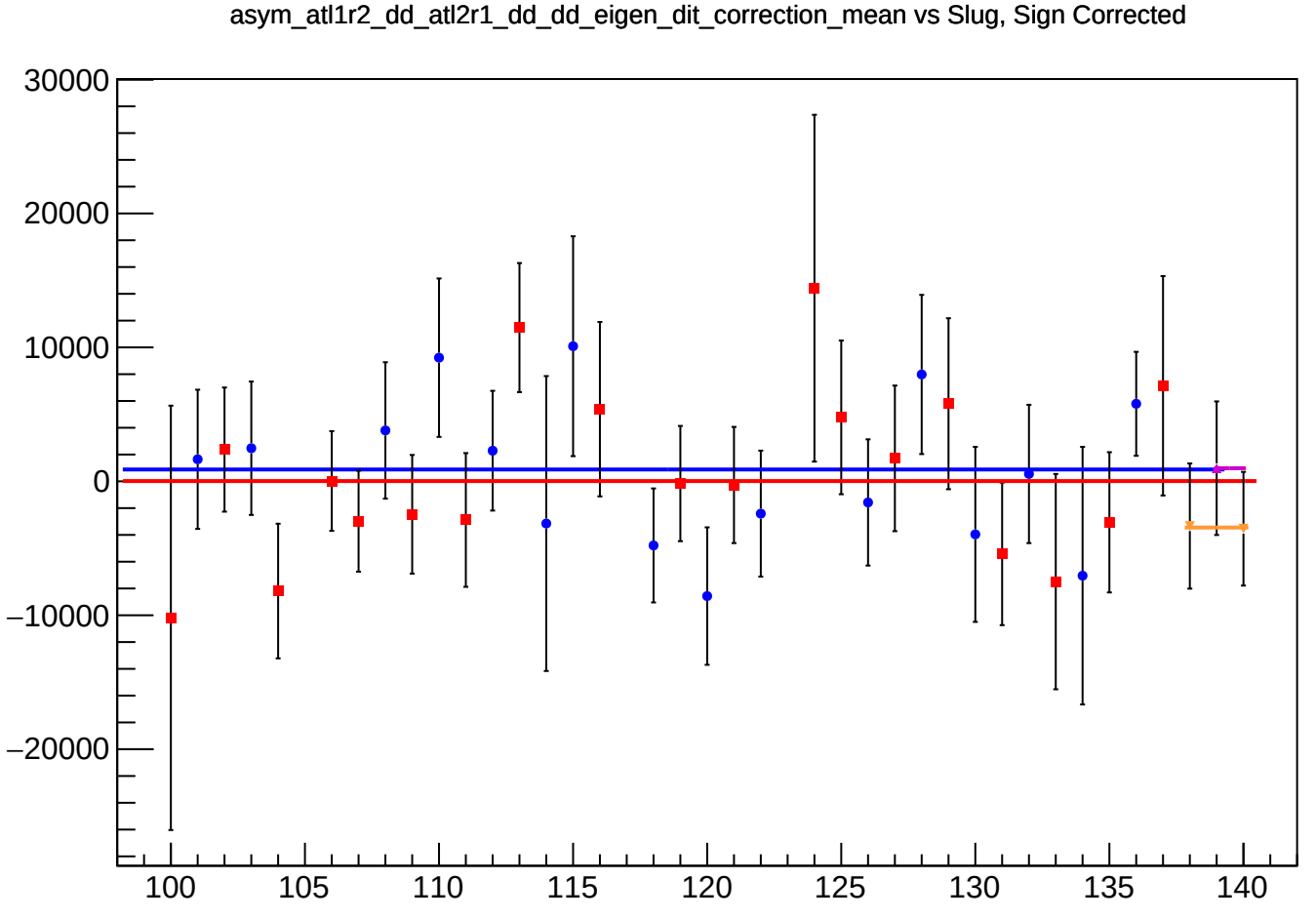
Left: 1351.319+/-0.608 χ^2/NDF: 2014.2/2

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1306.971+/-0.331 χ^2/NDF:511235.4/16

Out: 1308.768+/-0.312 χ^2/NDF:220529.8/20

All: 1307.920+/-0.227 χ^2/NDF: 731780.8/37



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3448.191+/-3141.919 χ^2/NDF:0.0/1

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 980.063+/-4988.009 χ^2/NDF:0.0/0

Left: -2190.297+/-2658.477 χ^2/NDF: 0.6/2

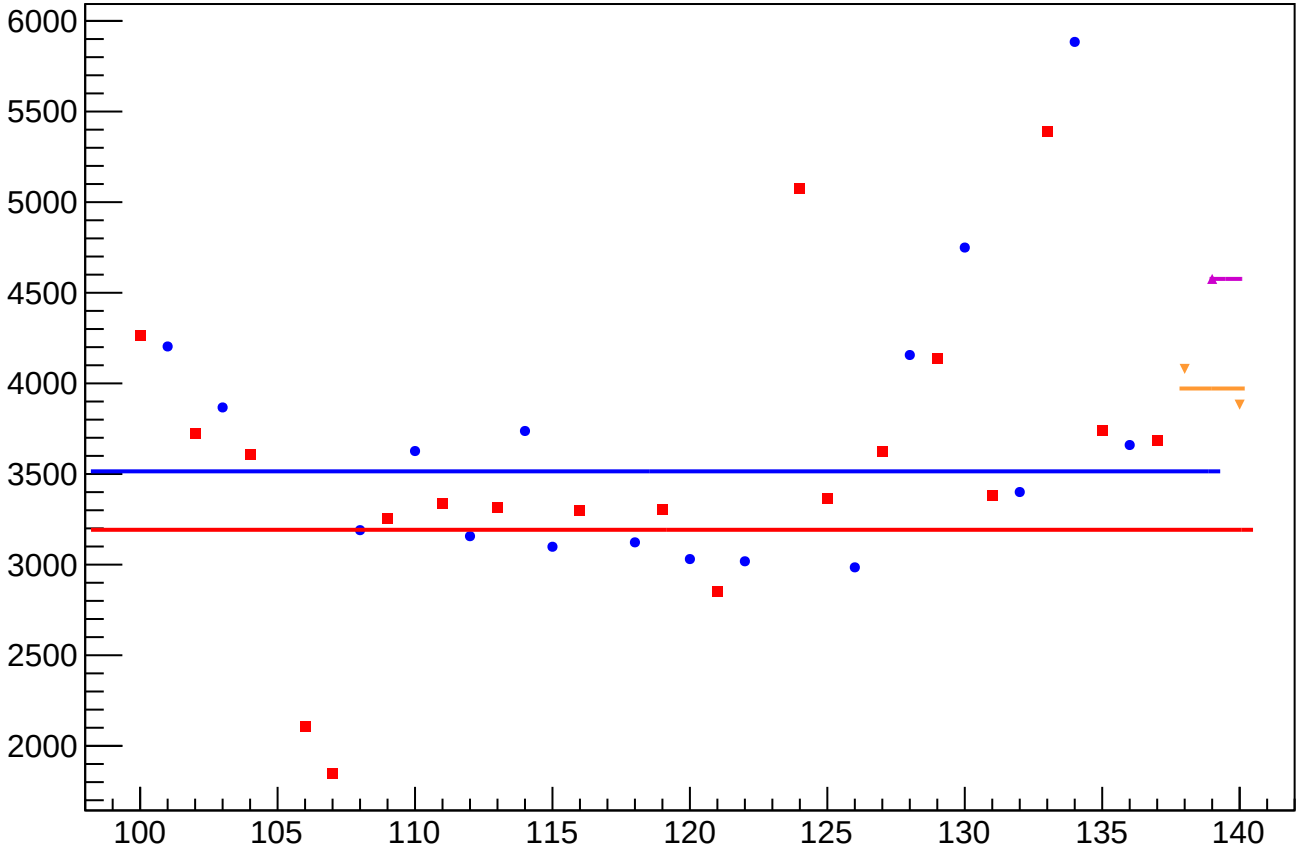
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 890.397+/-1282.751 χ^2/NDF:14.1/16

Out: -420.926+/-1121.029 χ^2/NDF:17.9/20

All: 146.910+/-844.110 χ^2/NDF: 32.6/37

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: 3971.806+/-2.222 χ^2/NDF:1950.9/1

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4576.562+/-3.527 χ^2/NDF:0.0/0

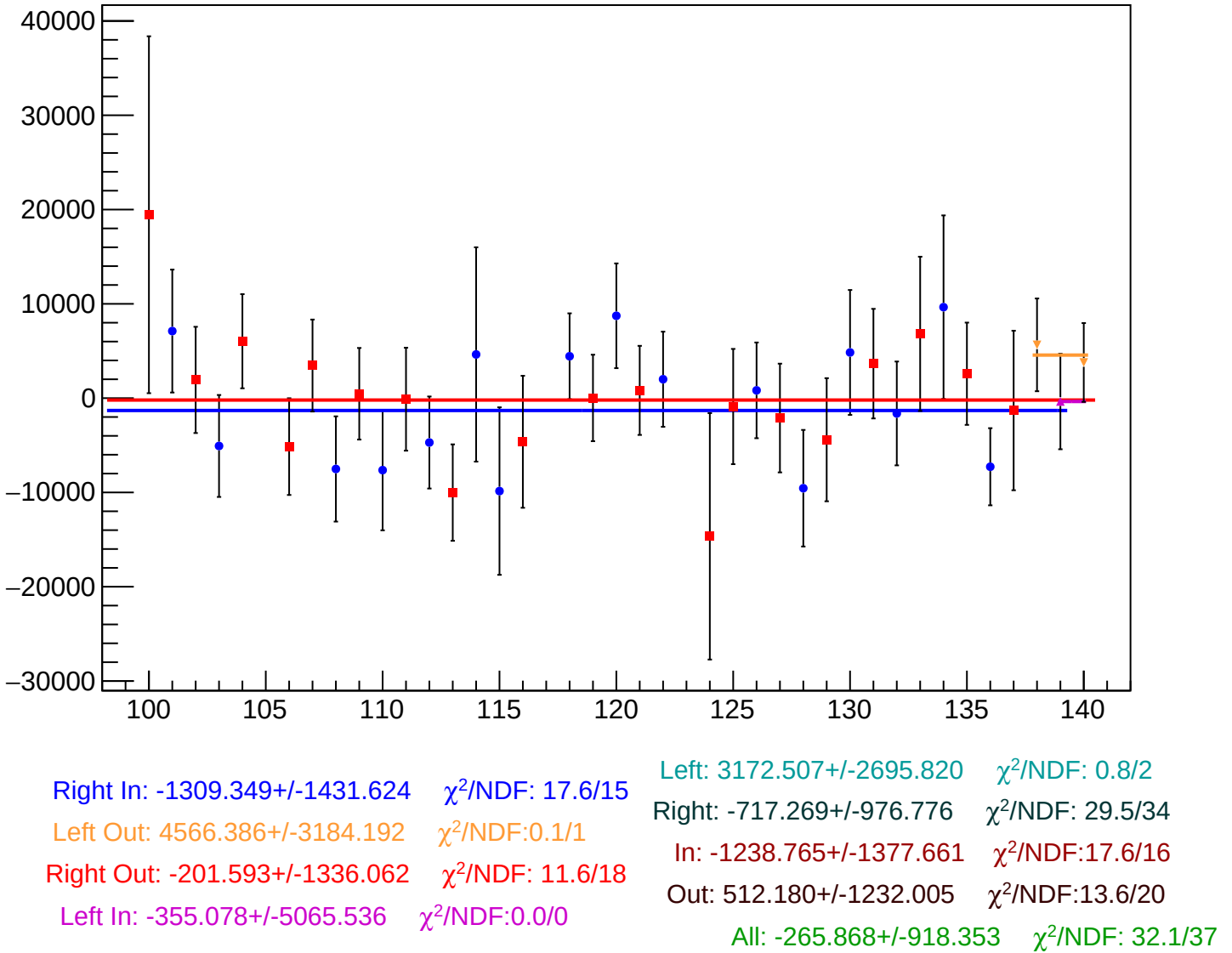
Left: 4143.593+/-1.880 χ^2/NDF: 22998.9/2

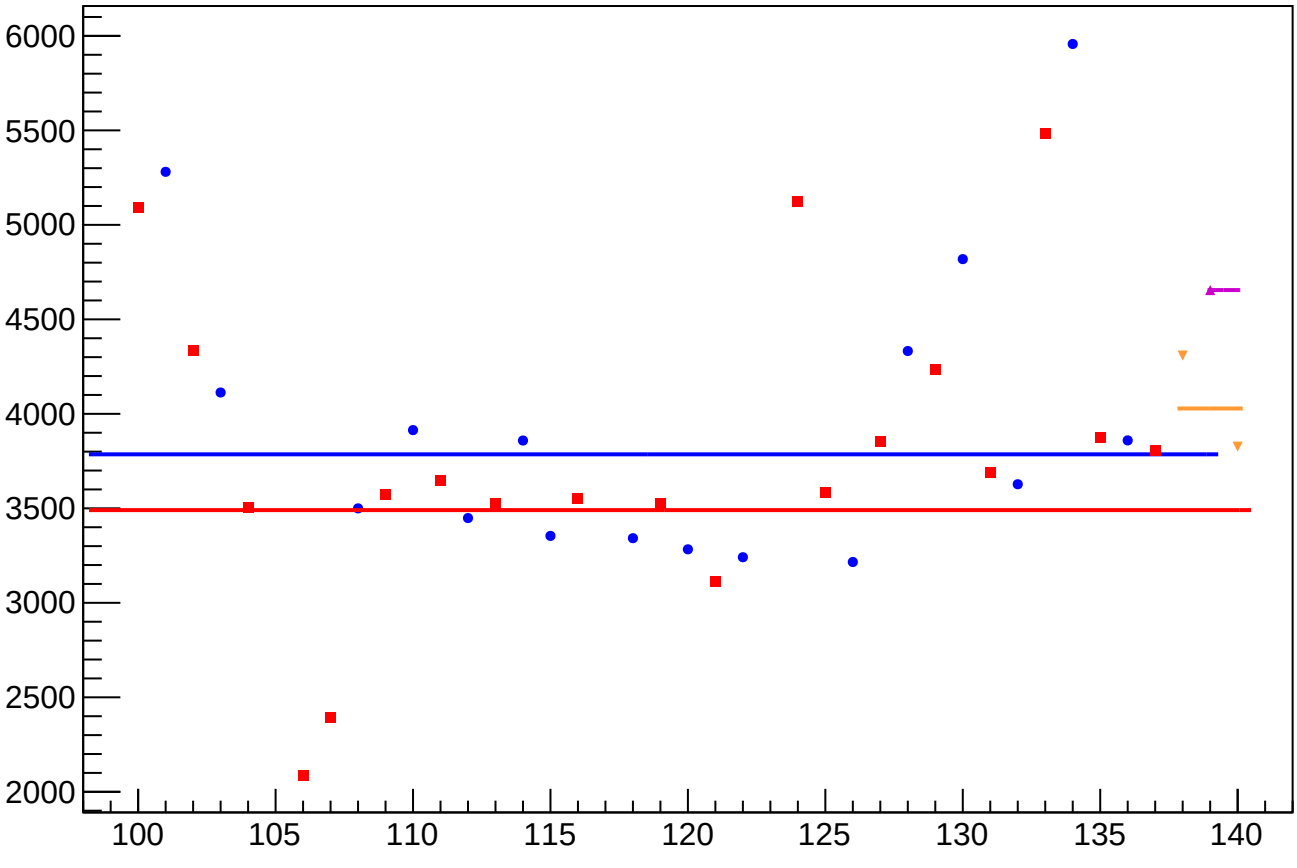
Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3584.960+/-0.907 χ^2/NDF:459721.0/16

Out: 3291.444+/-0.793 χ^2/NDF:881911.5/20

All: 3418.544+/-0.597 χ^2/NDF: 1401003.5/37


asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
Right In: -1309.349+/-1431.624 χ²/NDF: 17.6/15
Left Out: 4566.386+/-3184.192 χ²/NDF:0.1/1
Right Out: -201.593+/-1336.062 χ²/NDF: 11.6/18
Left In: -355.078+/-5065.536 χ²/NDF:0.0/0
Left: 3172.507+/-2695.820 χ²/NDF: 0.8/2
Right: -717.269+/-976.776 χ²/NDF: 29.5/34
In: -1238.765+/-1377.661 χ²/NDF:17.6/16
Out: 512.180+/-1232.005 χ²/NDF:13.6/20
All: -265.868+/-918.353 χ²/NDF: 32.1/37



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4028.365+/-2.252 χ^2/NDF:11164.6/1

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4655.020+/-3.582 χ^2/NDF:0.0/0

Left: 4205.849+/-1.906 χ^2/NDF: 33103.7/2

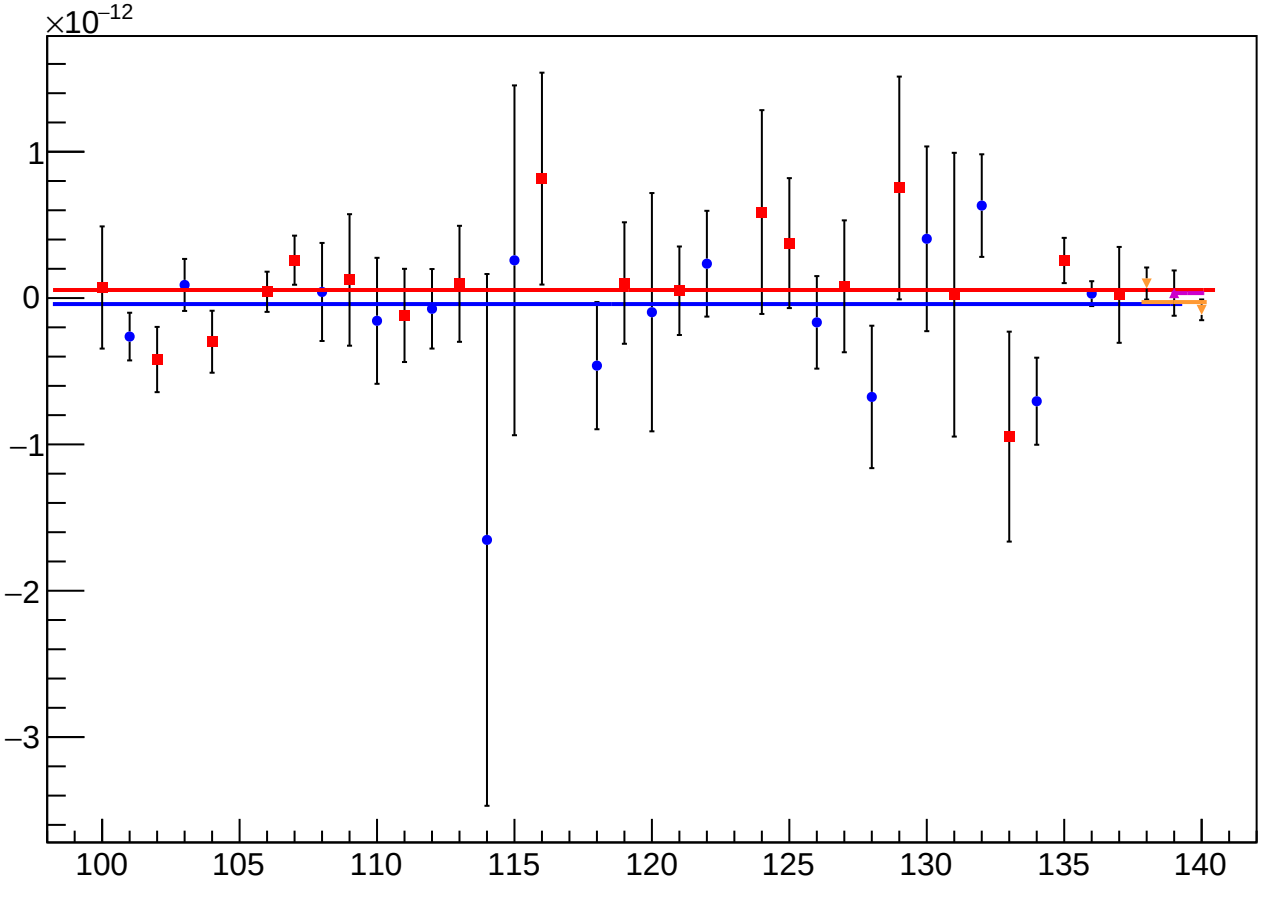
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3850.068+/-0.974 χ^2/NDF:437530.0/16

Out: 3569.255+/-0.861 χ^2/NDF:646579.8/20

All: 3692.418+/-0.645 χ^2/NDF: 1130761.0/37

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

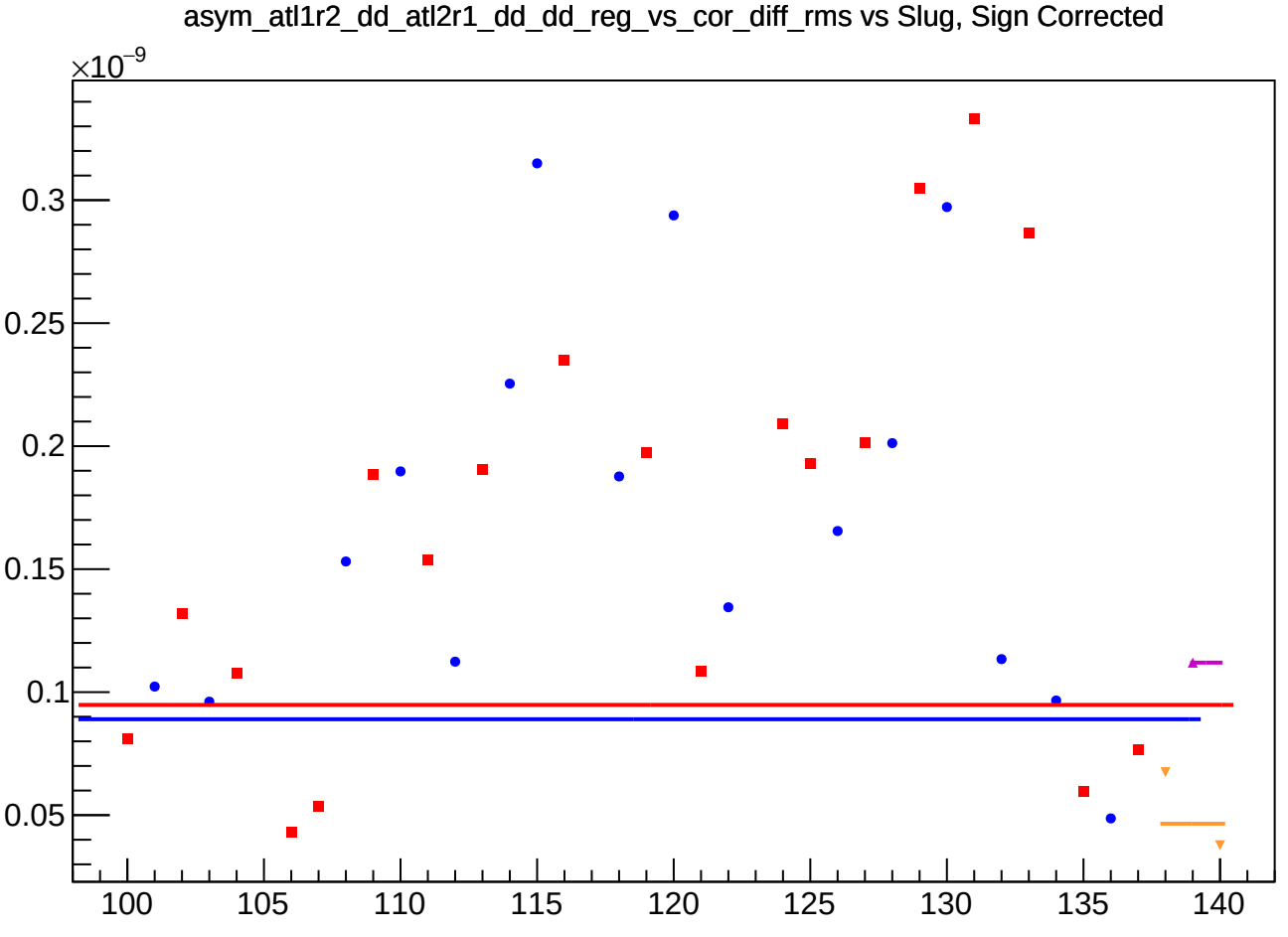
Left: -0.000+/-0.000 χ^2/NDF: 2.0/2

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:16.9/16

Out: 0.000+/-0.000 χ^2/NDF:18.7/20

All: -0.000+/-0.000 χ^2/NDF: 35.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:103730.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 415808.7/2

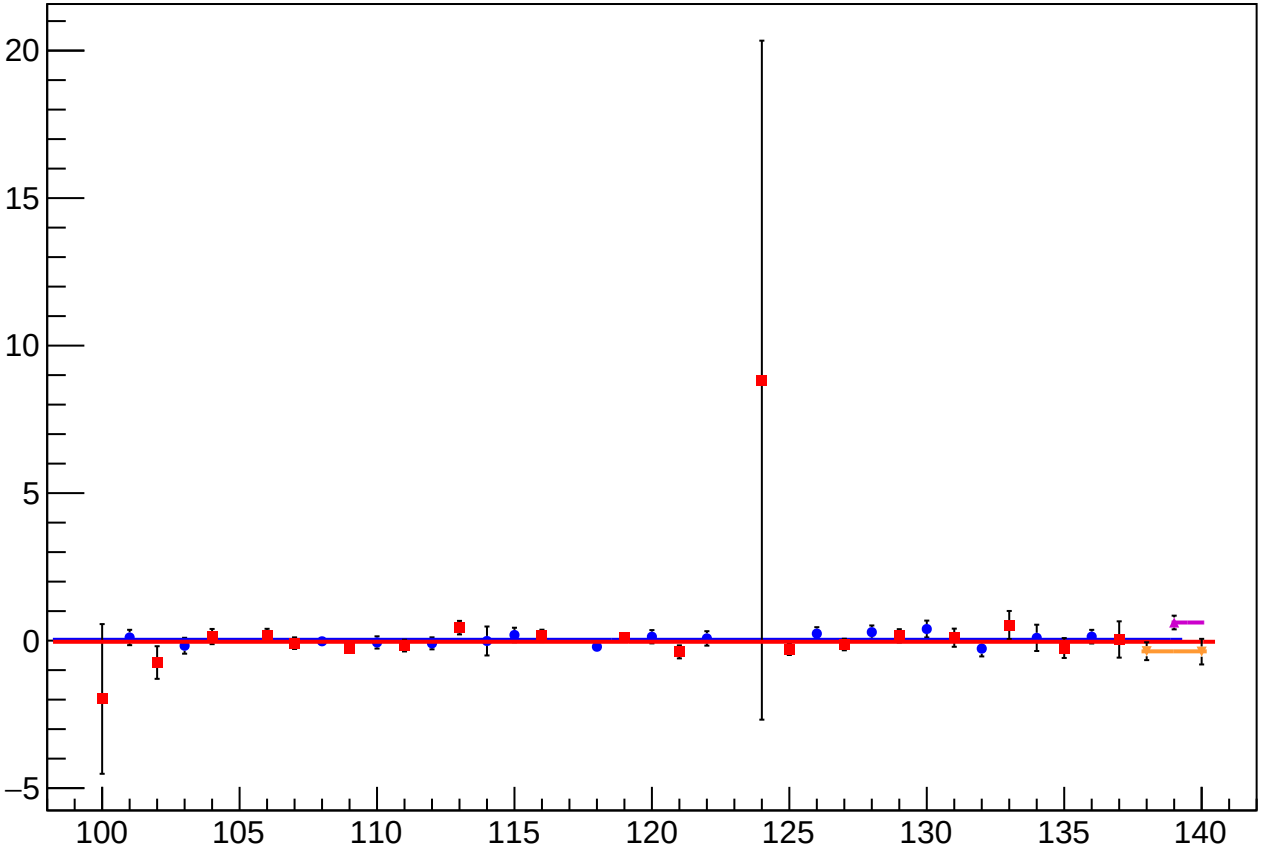
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1499350.6/16

Out: 0.000+/-0.000 χ^2/NDF:2449683.3/20

All: 0.000+/-0.000 χ^2/NDF: 4163394.4/37

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: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.614+/-0.233 χ^2/NDF:0.0/0

Left: 0.157+/-0.170 χ^2/NDF: 8.3/2

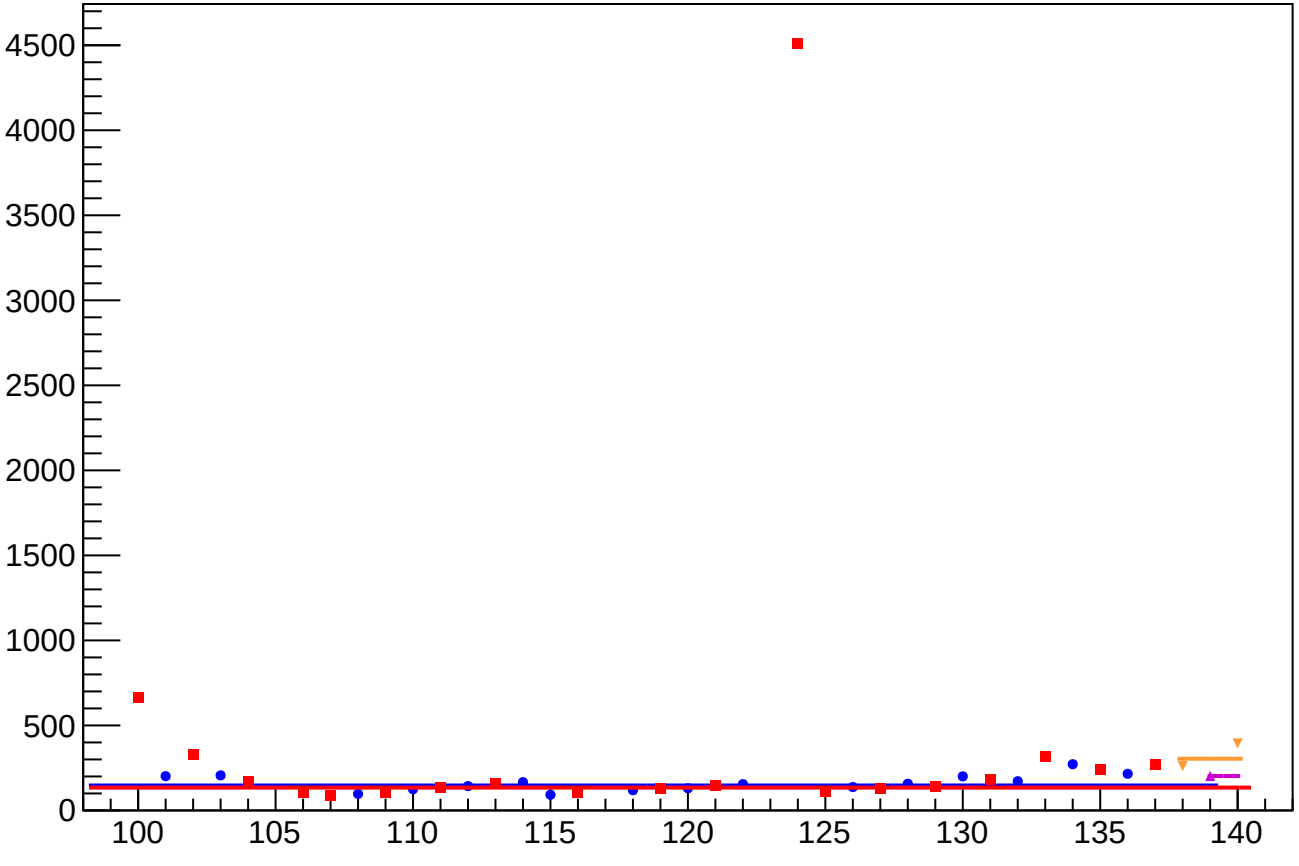
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.062+/-0.056 χ^2/NDF:15.4/16

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: 0.001+/-0.039 χ^2/NDF: 39.3/37

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF:127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 202.517+/-0.165 χ^2/NDF:0.0/0

Left: 250.087+/-0.120 χ^2/NDF: 306505.2/2

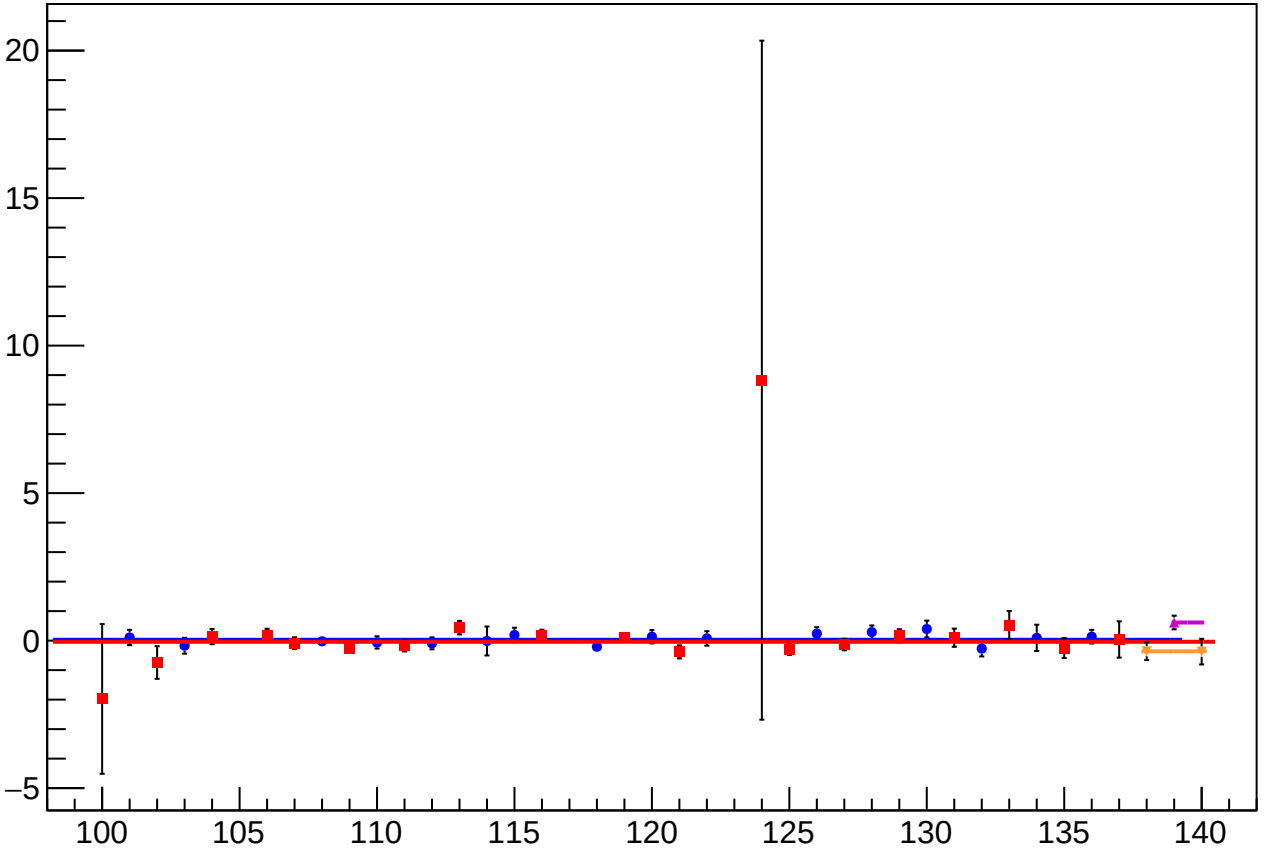
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 150.056+/-0.040 χ^2/NDF:1106624.5/16

Out: 142.389+/-0.038 χ^2/NDF:2625913.6/20

All: 146.046+/-0.027 χ^2/NDF: 3752138.4/37

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.614+/-0.233 χ^2/NDF:0.0/0

Left: 0.157+/-0.170 χ^2/NDF: 8.3/2

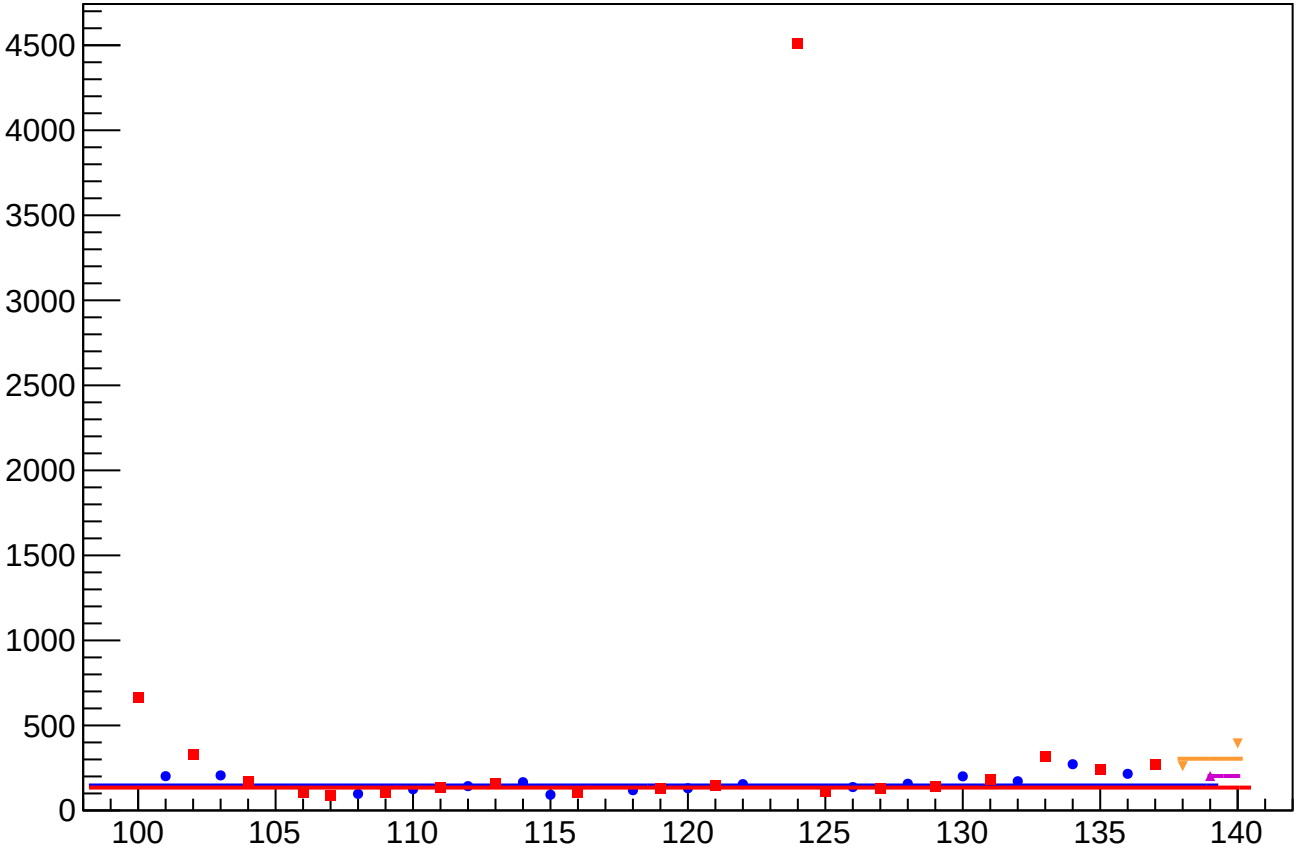
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.062+/-0.056 χ^2/NDF:15.4/16

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: 0.001+/-0.039 χ^2/NDF: 39.3/37

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF:127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 202.517+/-0.165 χ^2/NDF:0.0/0

Left: 250.087+/-0.120 χ^2/NDF: 306505.2/2

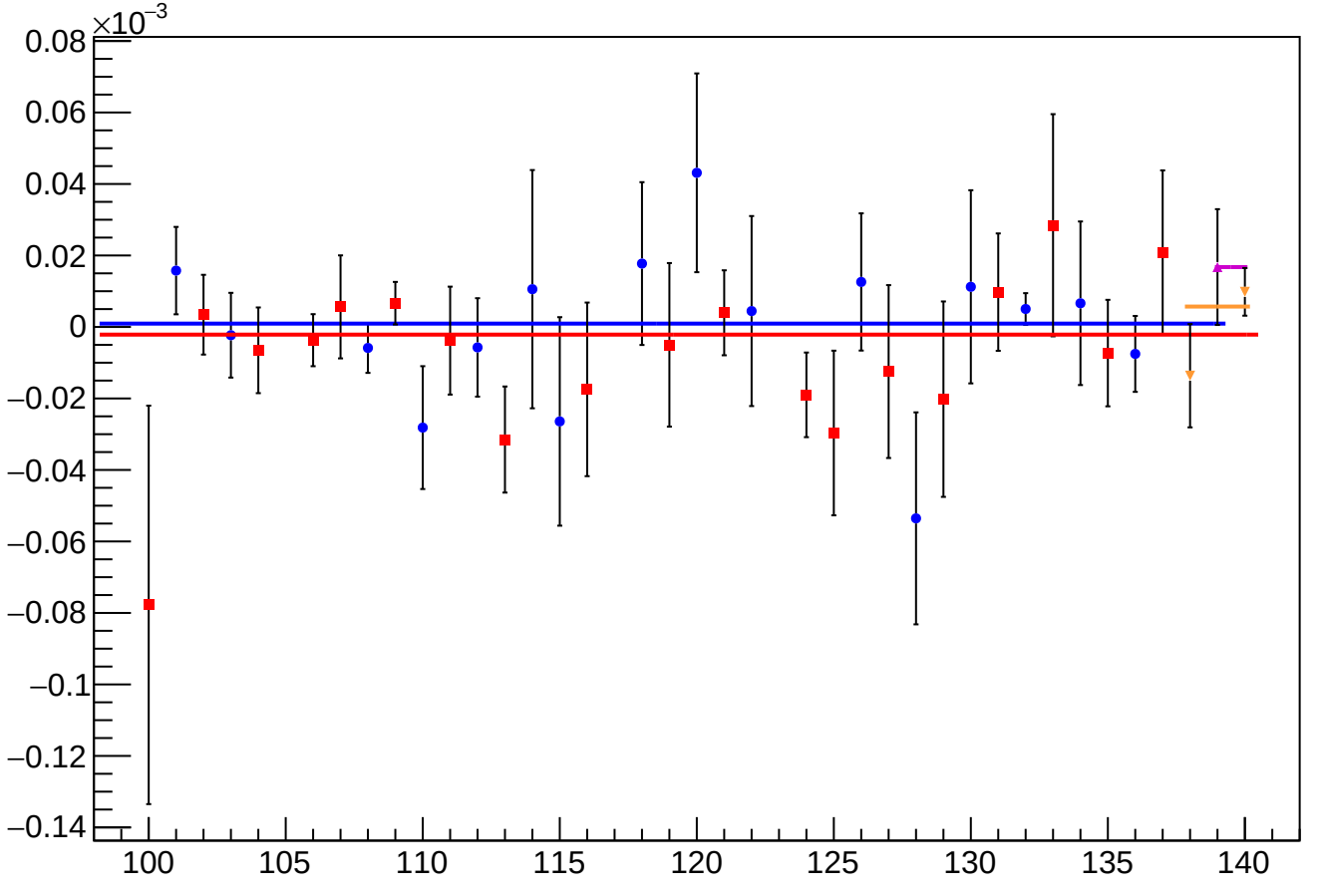
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 150.056+/-0.040 χ^2/NDF:1106624.5/16

Out: 142.389+/-0.038 χ^2/NDF:2625913.6/20

All: 146.046+/-0.027 χ^2/NDF: 3752138.4/37

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 2.6/2

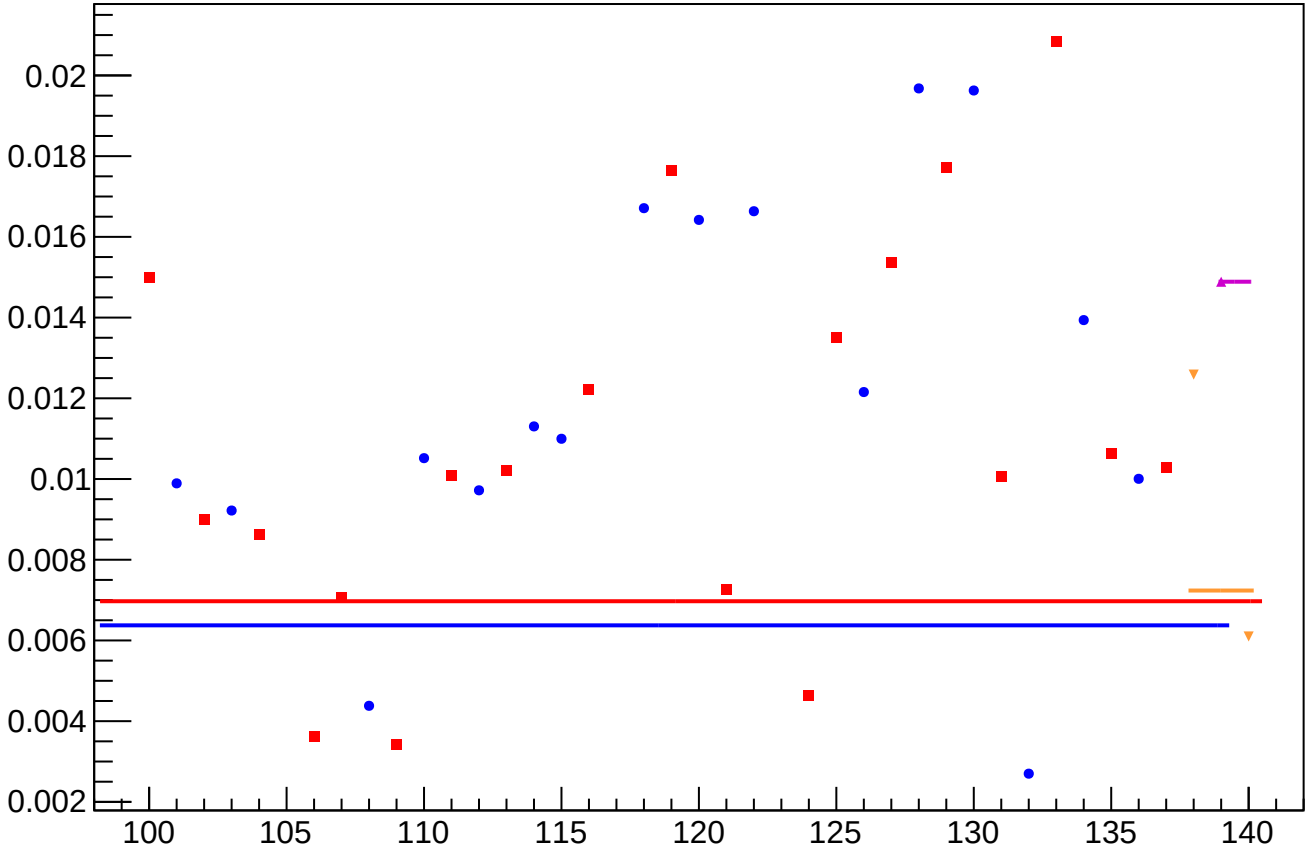
Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:15.8/16

Out: -0.000+/-0.000 χ^2/NDF:19.6/20

All: 0.000+/-0.000 χ^2/NDF: 35.6/37

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: 0.007+/-0.000 χ^2/NDF:332465.0/1

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.015+/-0.000 χ^2/NDF:0.0/0

Left: 0.008+/-0.000 χ^2/NDF: 724131.8/2

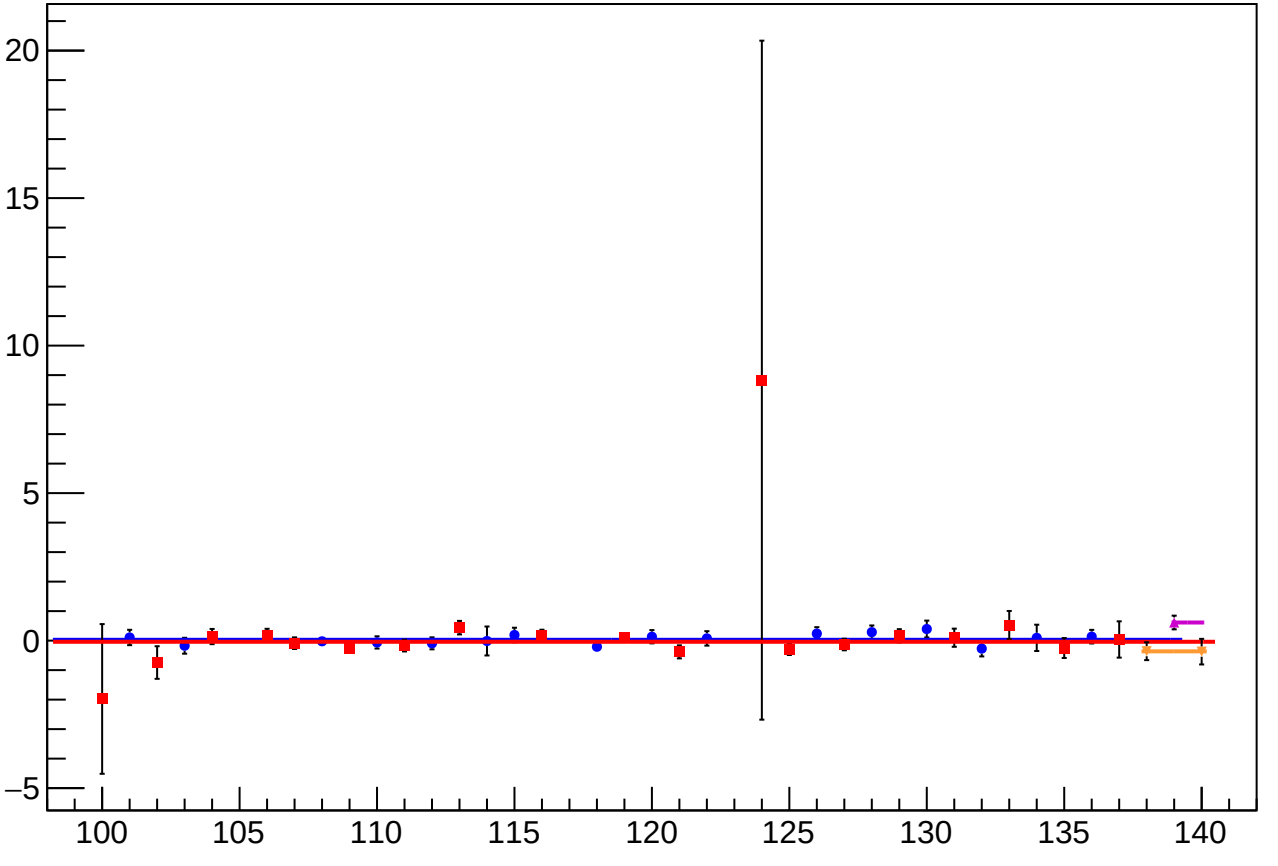
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5174953.4/16

Out: 0.007+/-0.000 χ^2/NDF:3745475.8/20

All: 0.007+/-0.000 χ^2/NDF: 8939055.3/37

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.614+/-0.233 χ^2/NDF:0.0/0

Left: 0.157+/-0.170 χ^2/NDF: 8.3/2

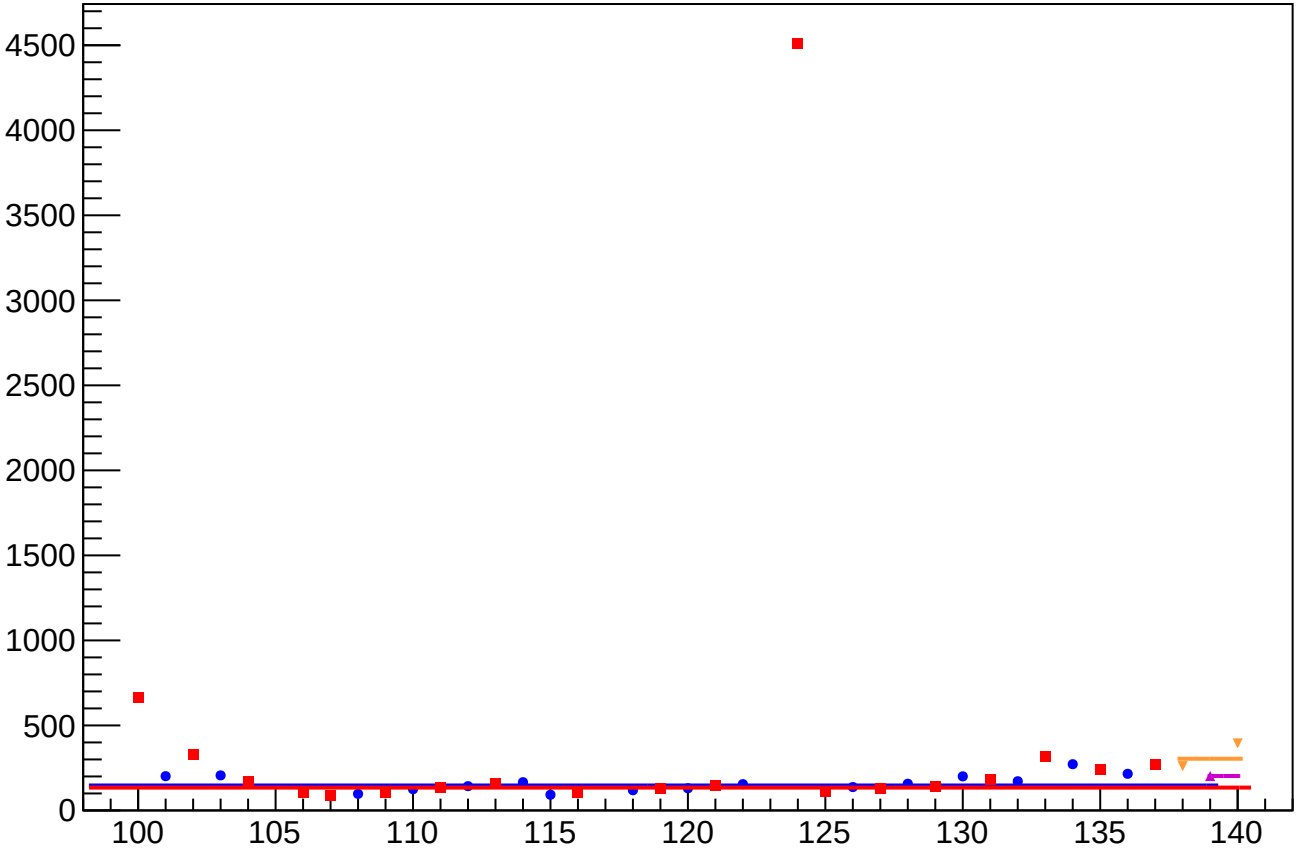
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.062+/-0.056 χ^2/NDF:15.4/16

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: 0.001+/-0.039 χ^2/NDF: 39.3/37

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF:127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 202.521+/-0.165 χ^2/NDF:0.0/0

Left: 250.092+/-0.120 χ^2/NDF: 306492.2/2

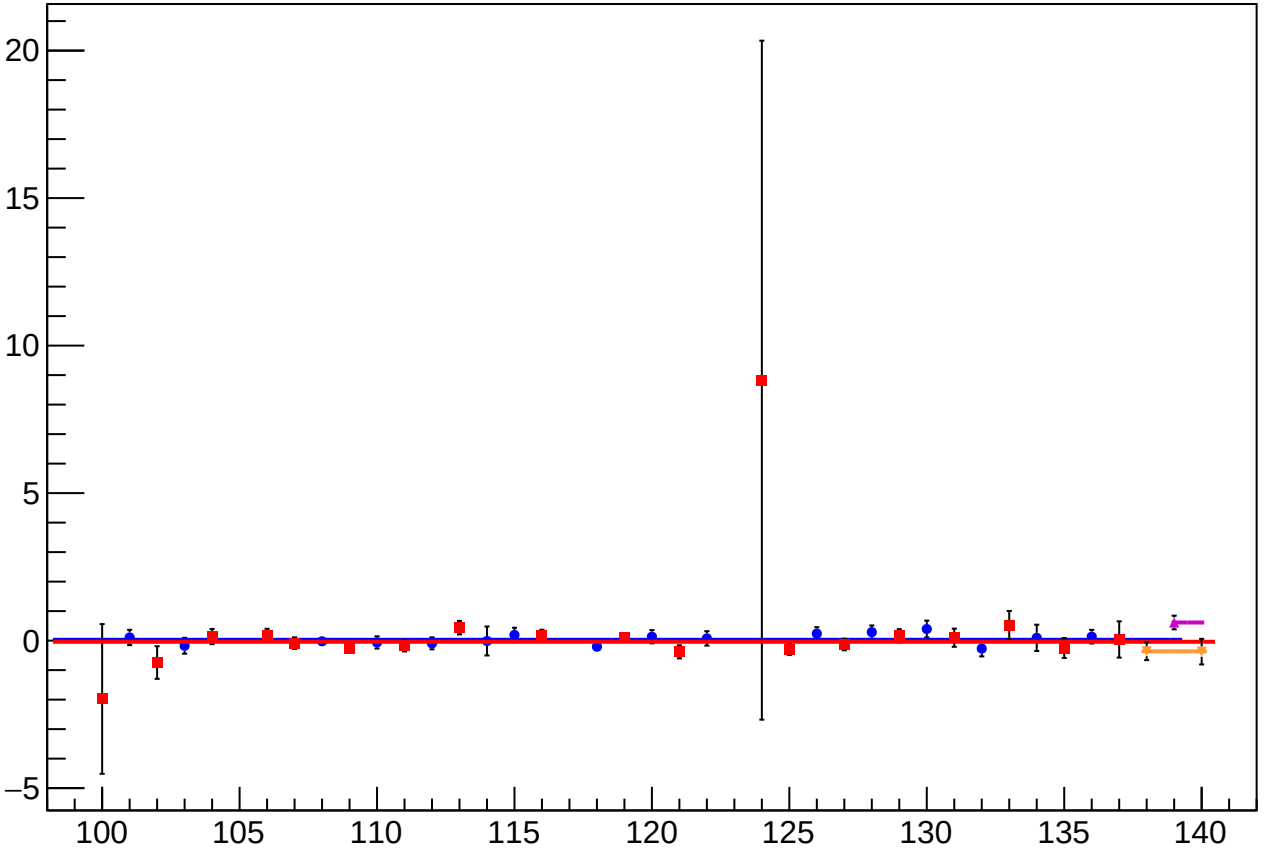
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 150.056+/-0.040 χ^2/NDF:1106578.8/16

Out: 142.390+/-0.038 χ^2/NDF:2625841.6/20

All: 146.047+/-0.027 χ^2/NDF: 3752014.1/37

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.614+/-0.233 χ^2/NDF:0.0/0

Left: 0.157+/-0.170 χ^2/NDF: 8.3/2

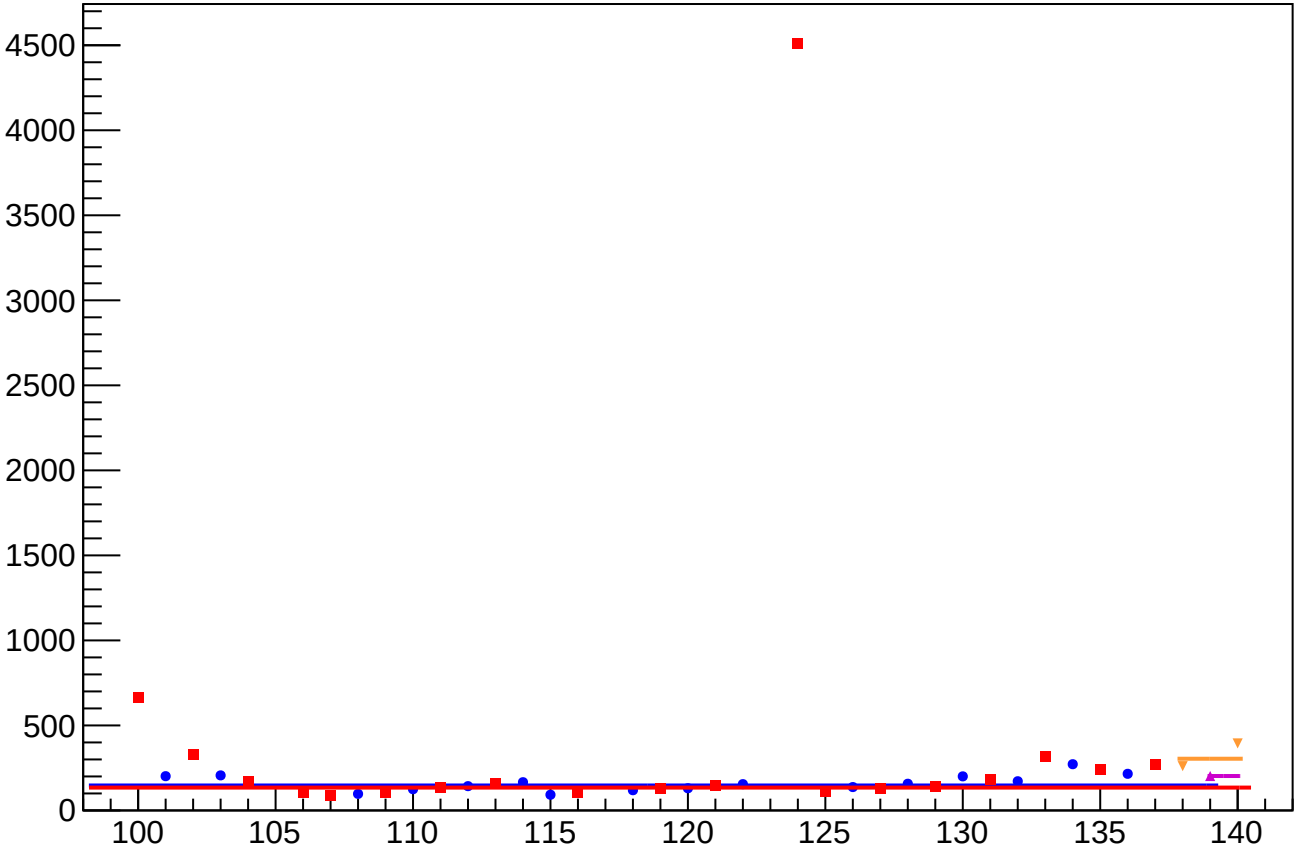
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.062+/-0.056 χ^2/NDF:15.4/16

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: 0.001+/-0.039 χ^2/NDF: 39.3/37

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF:127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 202.521+/-0.165 χ^2/NDF:0.0/0

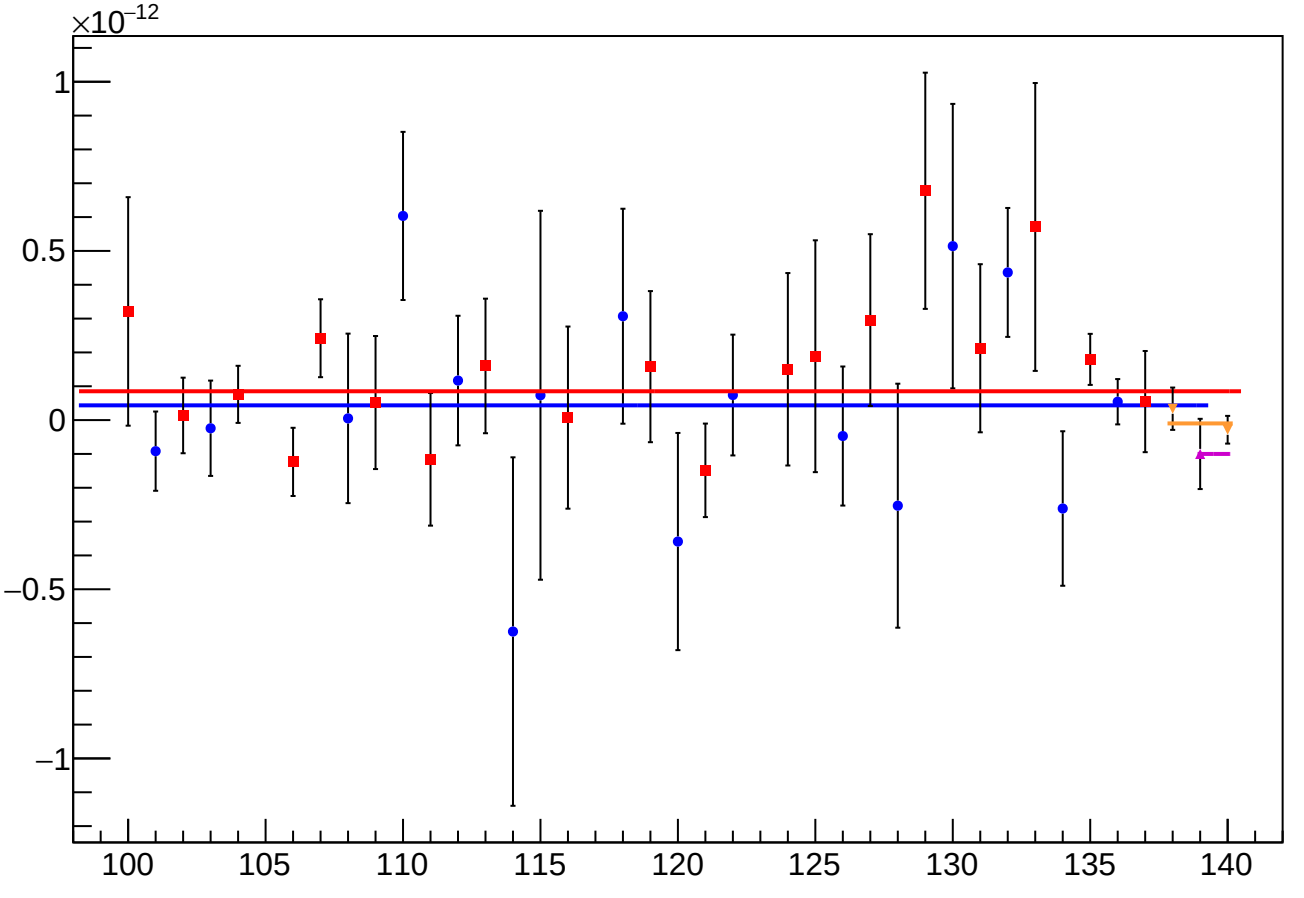
Left: 250.092+/-0.120 χ^2/NDF: 306492.2/2

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 150.056+/-0.040 χ^2/NDF:1106578.8/16

Out: 142.390+/-0.038 χ^2/NDF:2625841.6/20

All: 146.047+/-0.027 χ^2/NDF: 3752014.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

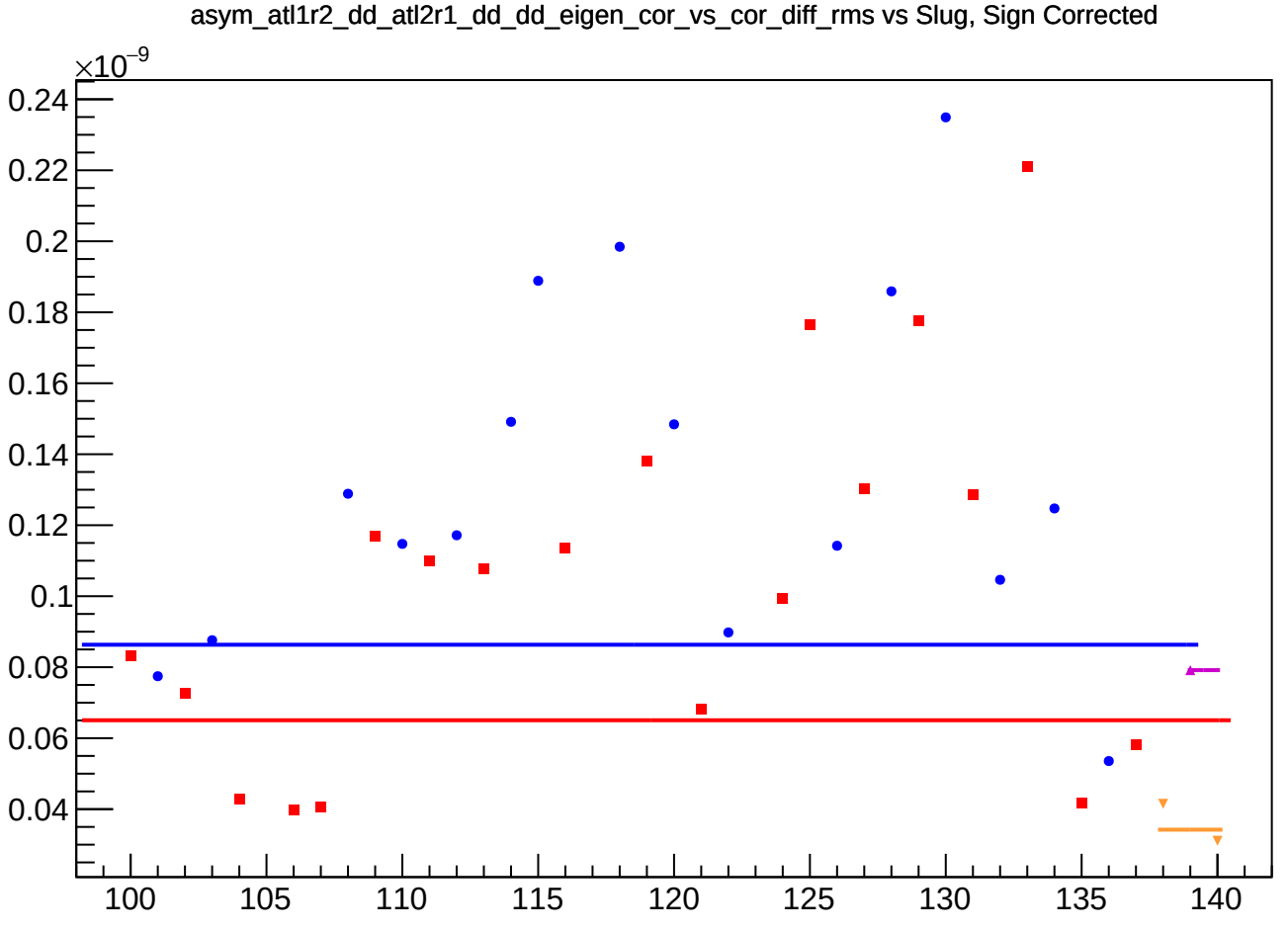
Left: -0.000+/-0.000 χ^2/NDF: 1.4/2

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:20.6/16

Out: 0.000+/-0.000 χ^2/NDF:22.7/20

All: 0.000+/-0.000 χ^2/NDF: 43.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:38834.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

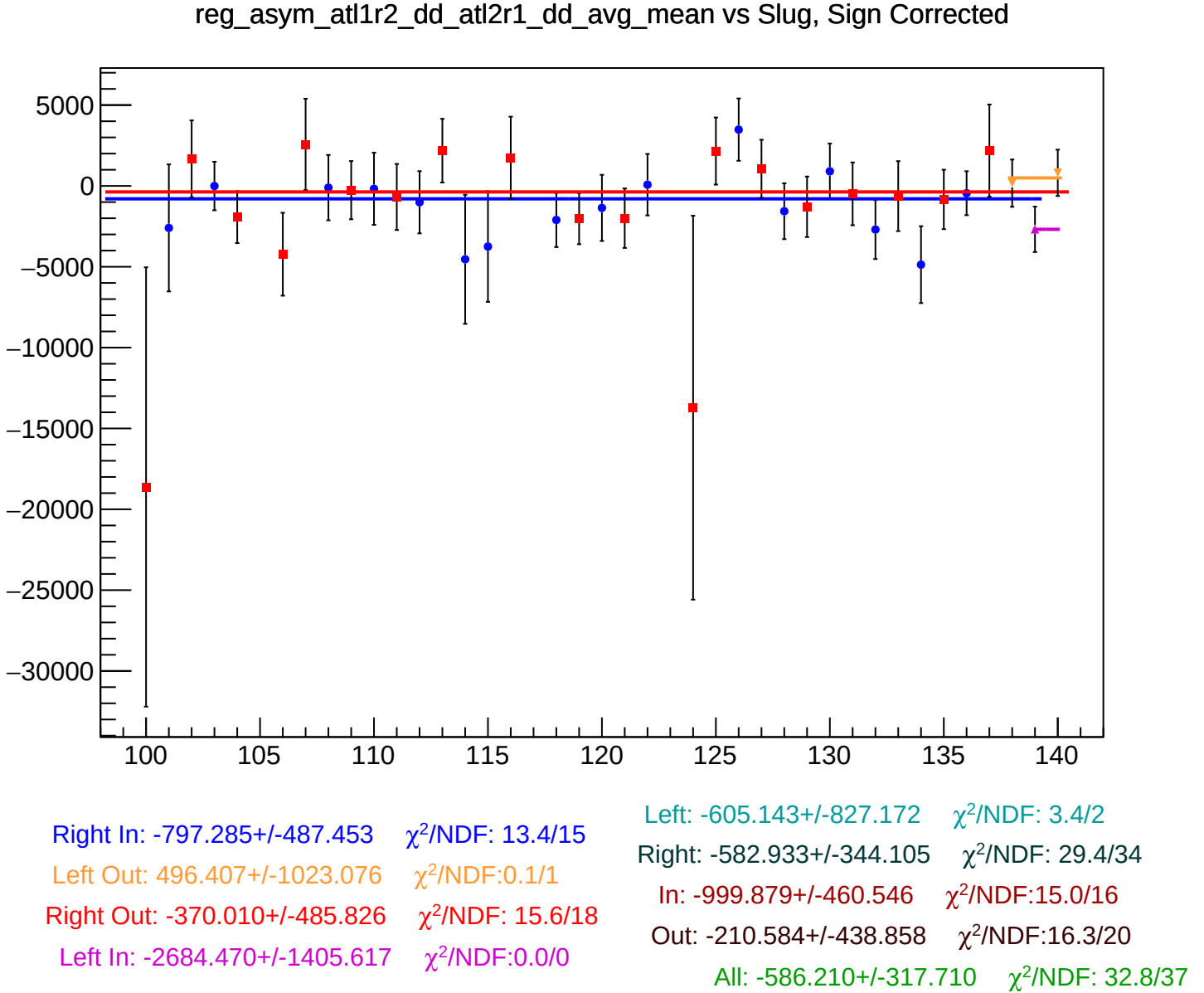
Left: 0.000+/-0.000 χ^2/NDF: 376898.8/2

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

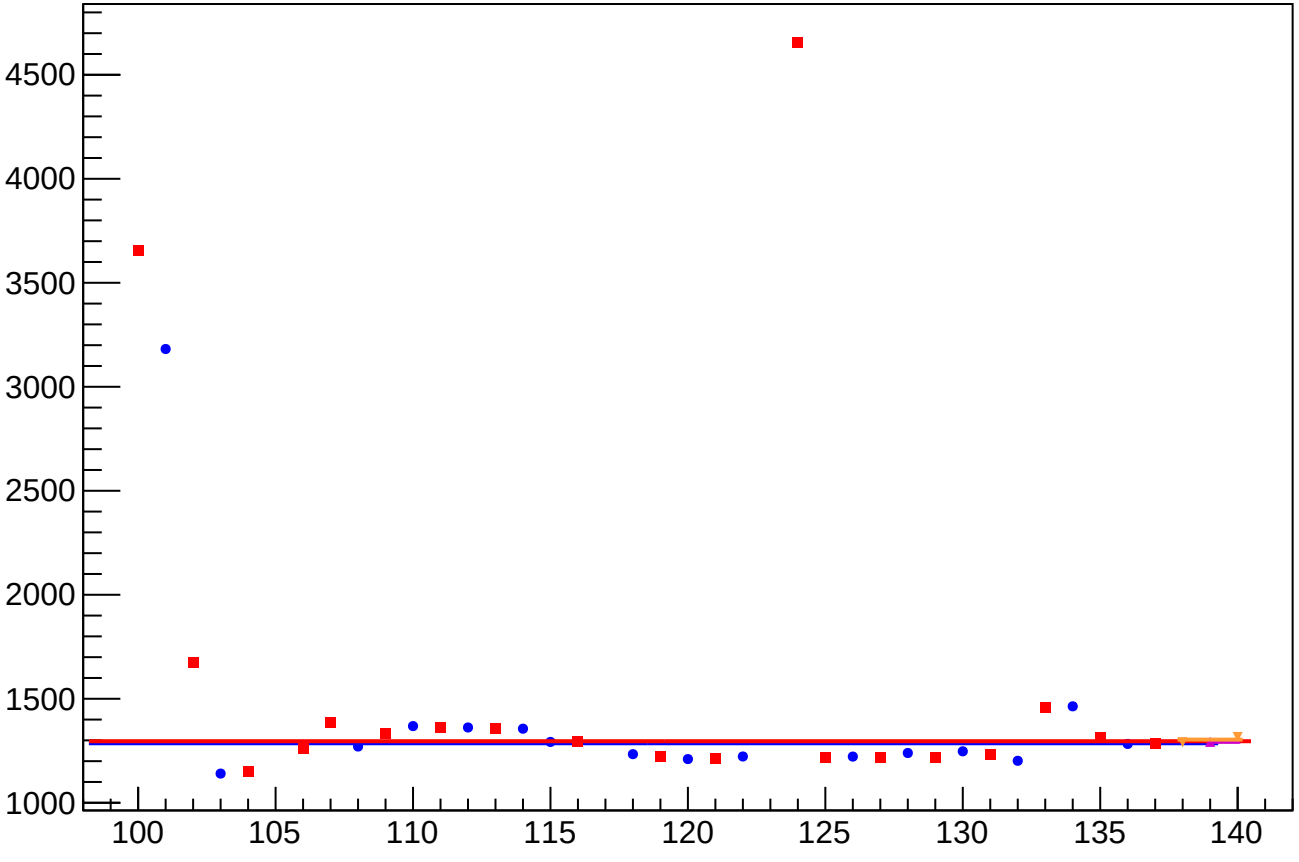
In: 0.000+/-0.000 χ^2/NDF:1573799.2/16

Out: 0.000+/-0.000 χ^2/NDF:3007864.6/20

All: 0.000+/-0.000 χ^2/NDF: 5763980.8/37


reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: 496.407+/-1023.076 χ²/NDF:0.1/1
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -2684.470+/-1405.617 χ²/NDF:0.0/0
Left: -605.143+/-827.172 χ²/NDF: 3.4/2
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -999.879+/-460.546 χ²/NDF:15.0/16
Out: -210.584+/-438.858 χ²/NDF:16.3/20
All: -586.210+/-317.710 χ²/NDF: 32.8/37

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1303.595+/-0.723 χ^2/NDF:317.2/1

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1292.956+/-0.994 χ^2/NDF:0.0/0

Left: 1299.910+/-0.585 χ^2/NDF: 392.0/2

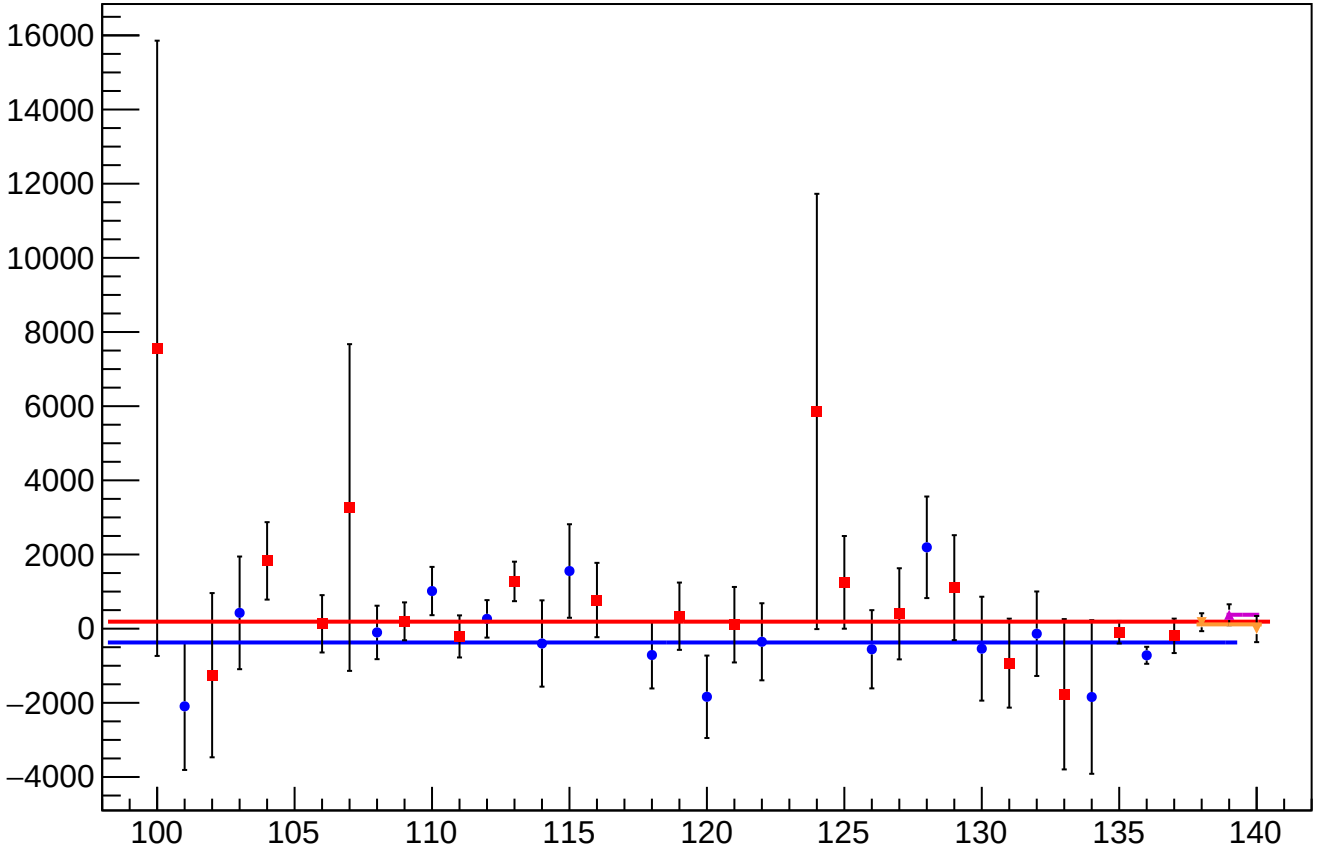
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1286.833+/-0.326 χ^2/NDF:518169.4/16

Out: 1297.351+/-0.310 χ^2/NDF:328478.4/20

All: 1292.346+/-0.225 χ^2/NDF: 847194.5/37

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 115.367+/-199.294 χ^2/NDF:0.2/1

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 375.159+/-282.187 χ^2/NDF:0.0/0

Left: 201.824+/-162.789 χ^2/NDF: 0.8/2

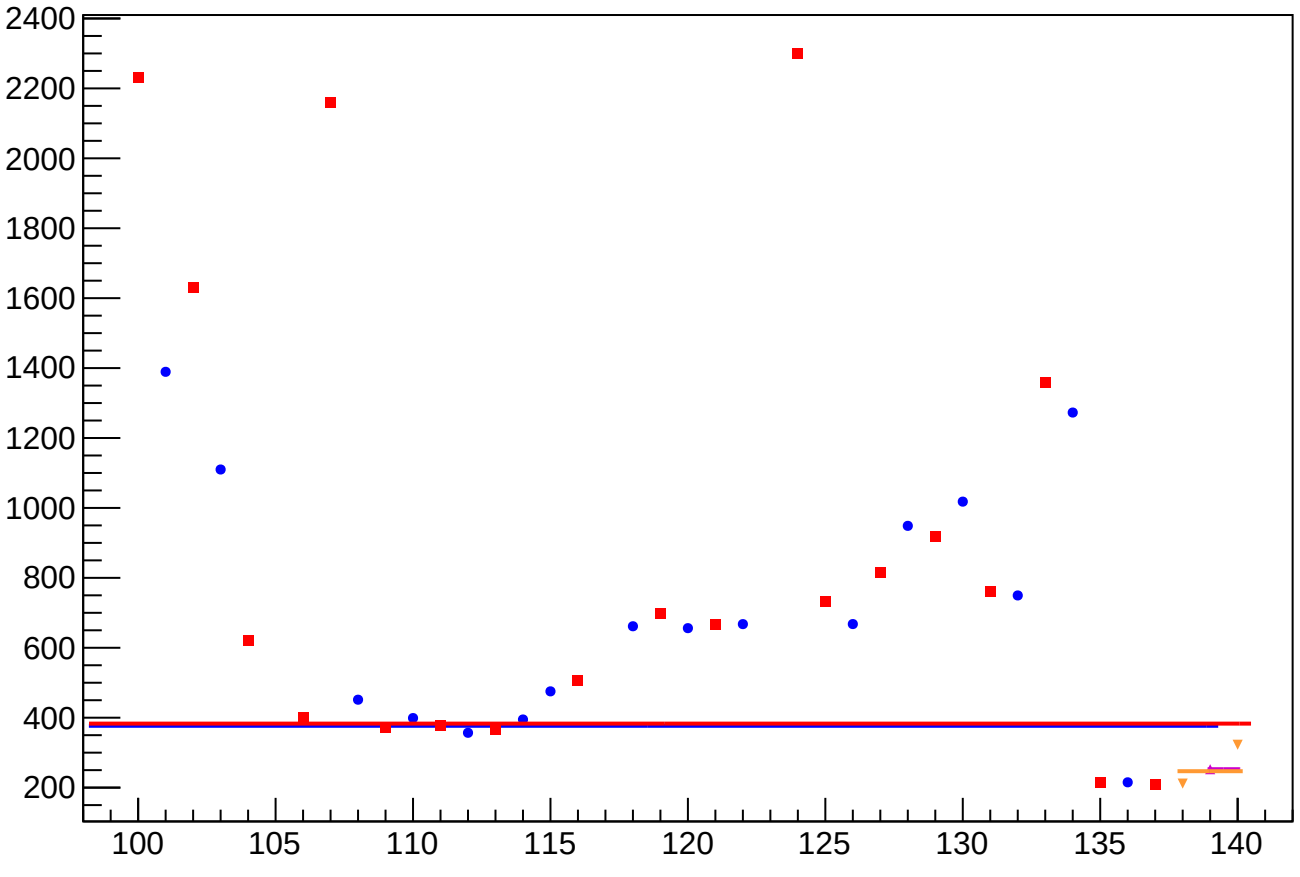
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -176.367+/-144.483 χ^2/NDF:23.3/16

Out: 158.046+/-129.150 χ^2/NDF:14.9/20

All: 9.520+/-96.289 χ^2/NDF: 41.2/37

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 246.956+/-0.141 χ^2/NDF:135028.7/1

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 252.663+/-0.200 χ^2/NDF:0.0/0

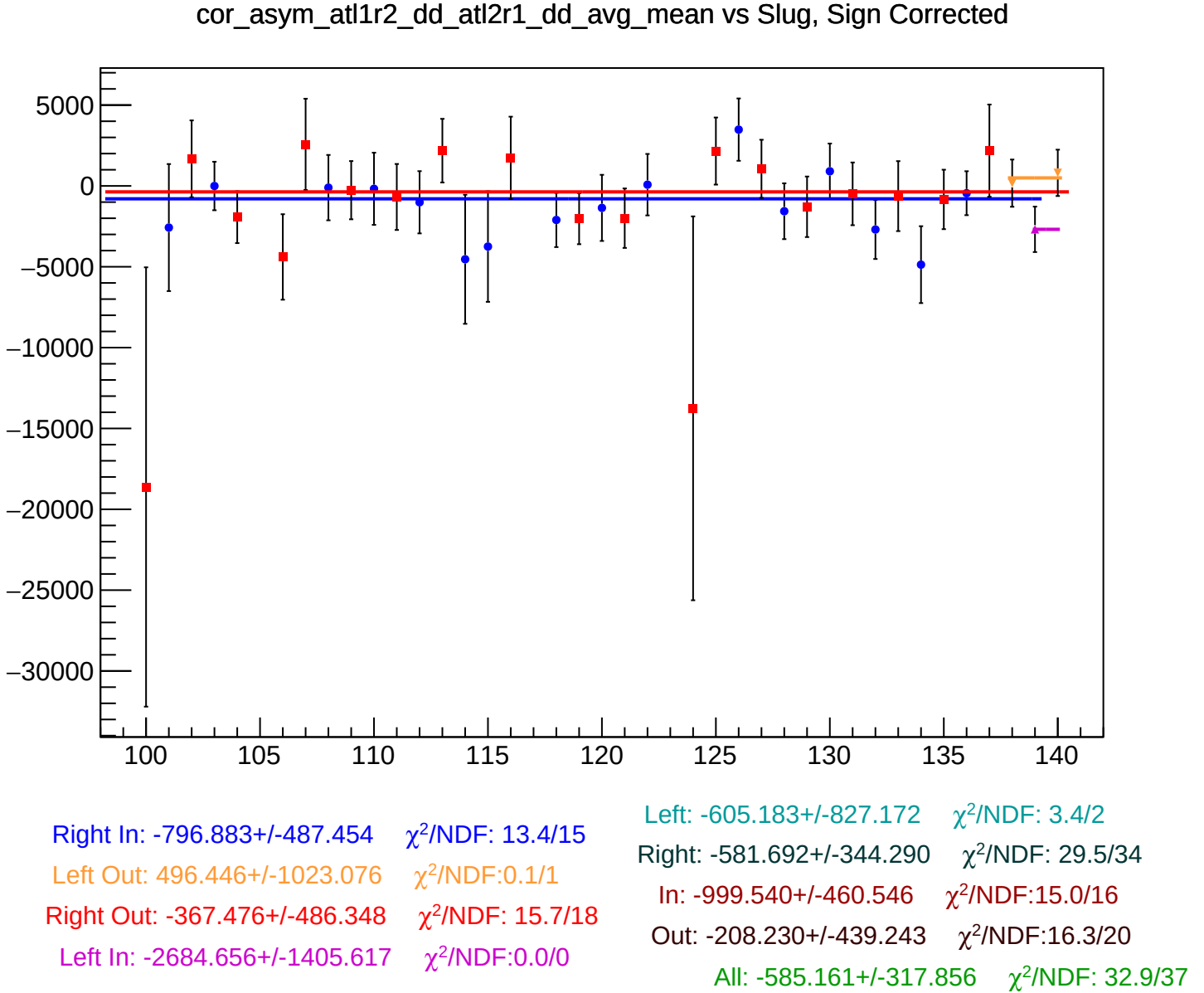
Left: 248.855+/-0.115 χ^2/NDF: 135574.4/2

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 344.325+/-0.102 χ^2/NDF:4476196.9/16

Out: 325.911+/-0.091 χ^2/NDF:4730321.2/20

All: 334.089+/-0.068 χ^2/NDF: 9224576.2/37


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
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−5000
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−15000
−20000
−25000
−30000
100
105
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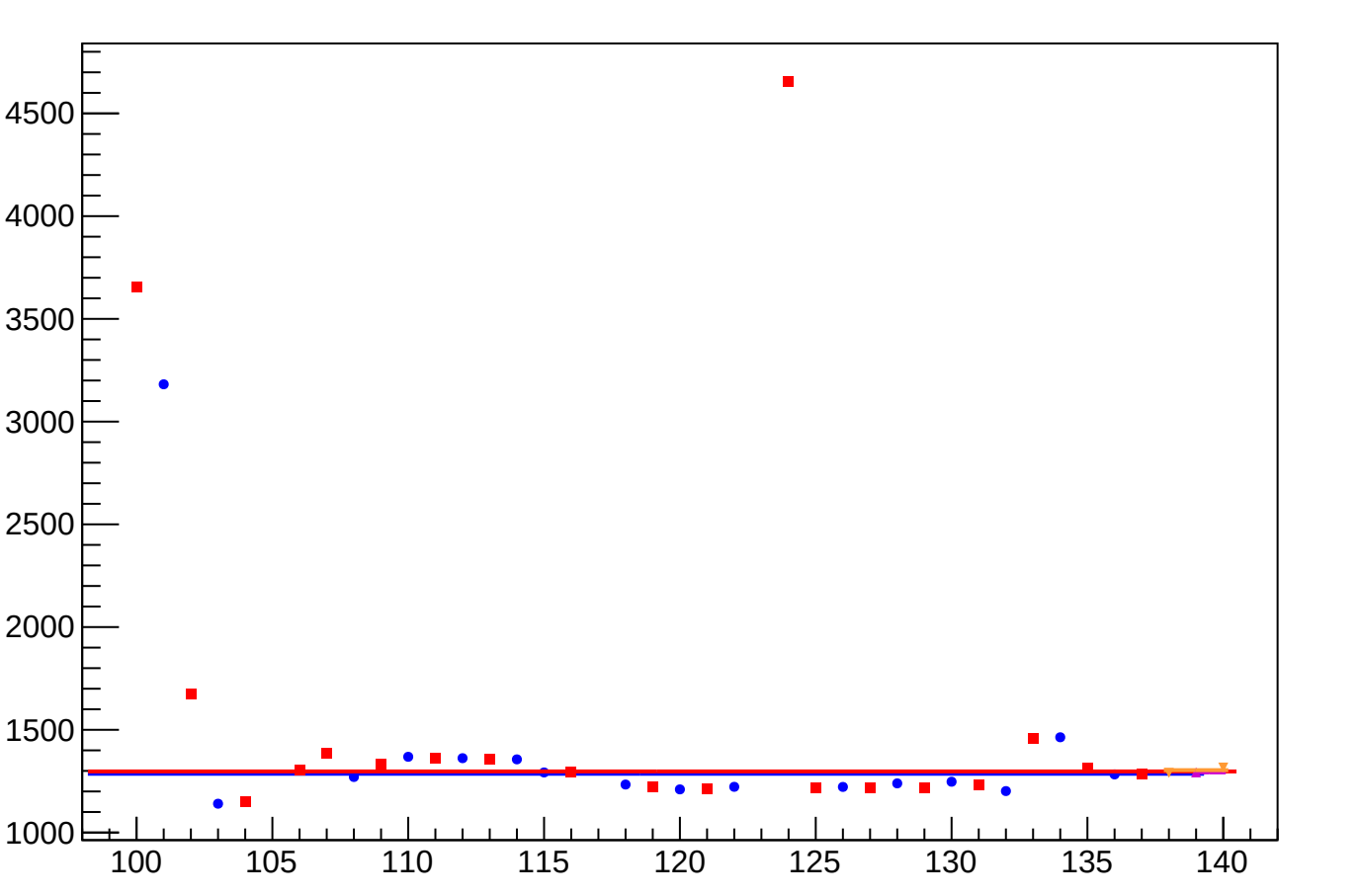
135
140
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 496.446+/-1023.076 χ²/NDF:0.1/1
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -2684.656+/-1405.617 χ²/NDF:0.0/0
Left: -605.183+/-827.172 χ²/NDF: 3.4/2
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -999.540+/-460.546 χ²/NDF:15.0/16
Out: -208.230+/-439.243 χ²/NDF:16.3/20
All: -585.161+/-317.856 χ²/NDF: 32.9/37



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1303.595+/-0.723 χ^2/NDF:317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1292.956+/-0.994 χ^2/NDF:0.0/0

Left: 1299.910+/-0.585 χ^2/NDF: 392.0/2

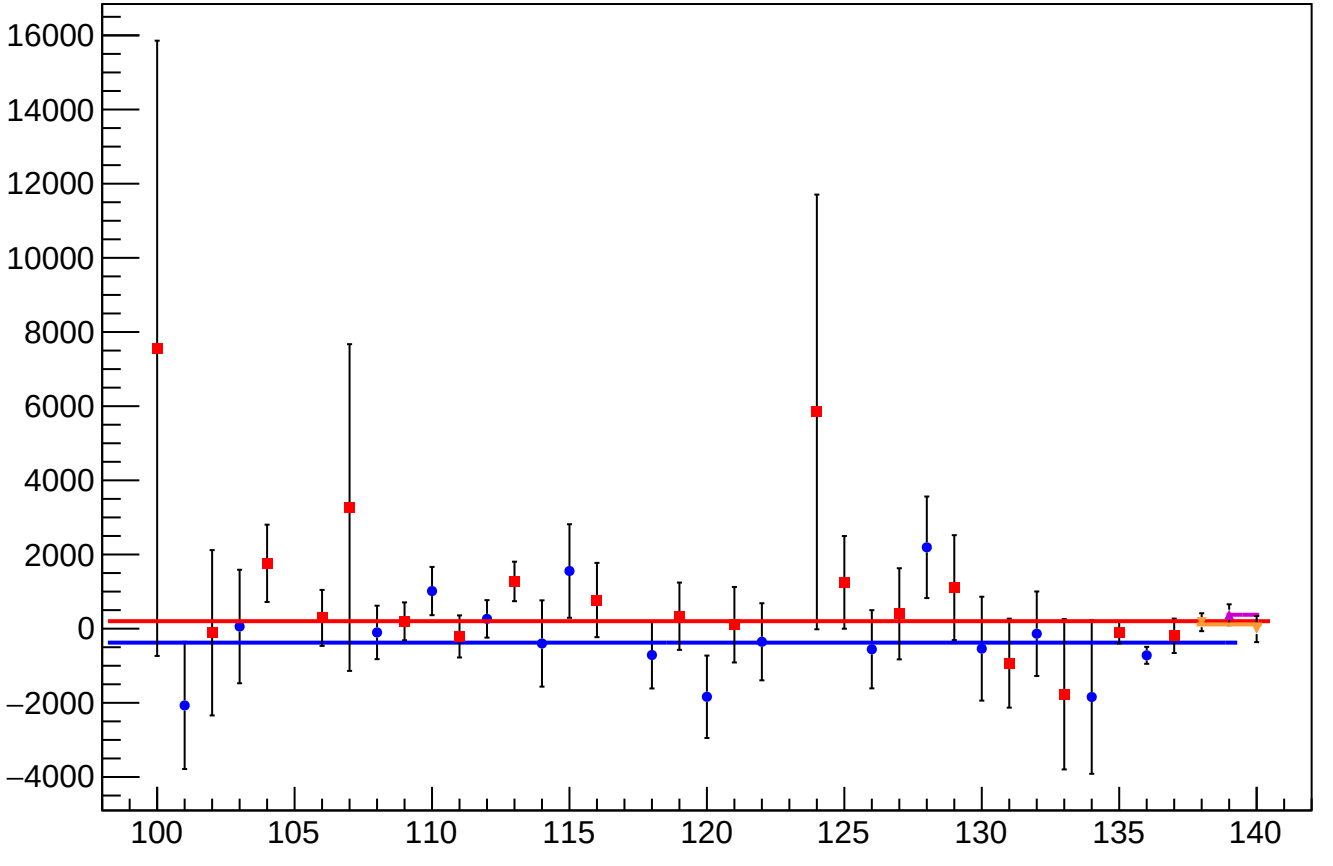
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1286.833+/-0.326 χ^2/NDF:518170.9/16

Out: 1298.537+/-0.311 χ^2/NDF:328118.8/20

All: 1292.962+/-0.225 χ^2/NDF: 846966.0/37

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 115.438+/-199.299 χ^2/NDF:0.2/1

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 375.081+/-282.191 χ^2/NDF:0.0/0

Left: 201.847+/-162.792 χ^2/NDF: 0.8/2

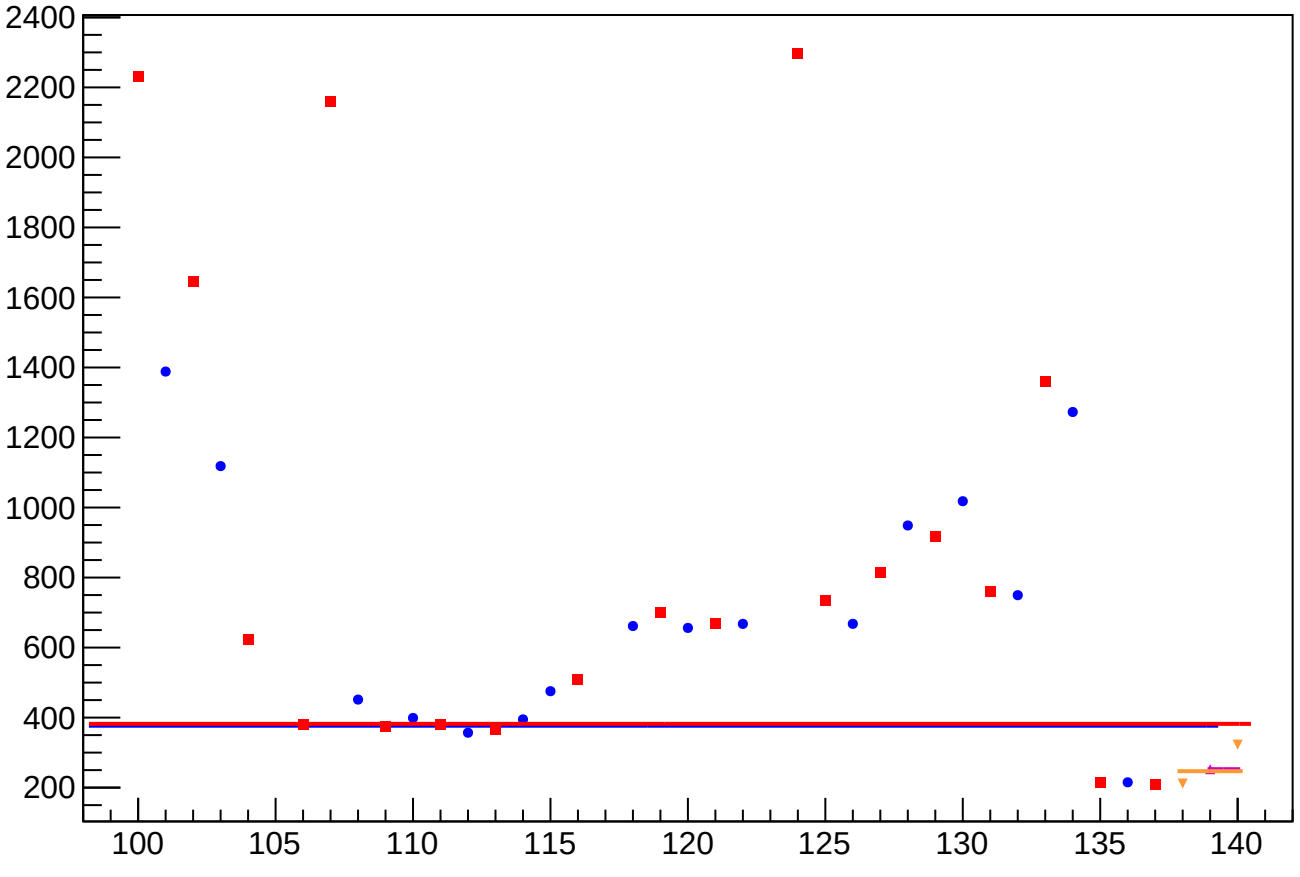
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -179.638+/-144.496 χ^2/NDF:23.2/16

Out: 165.782+/-129.064 χ^2/NDF:14.3/20

All: 12.497+/-96.257 χ^2/NDF: 40.7/37

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 246.964+/-0.141 χ^2/NDF:135035.0/1

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 252.667+/-0.200 χ^2/NDF:0.0/0

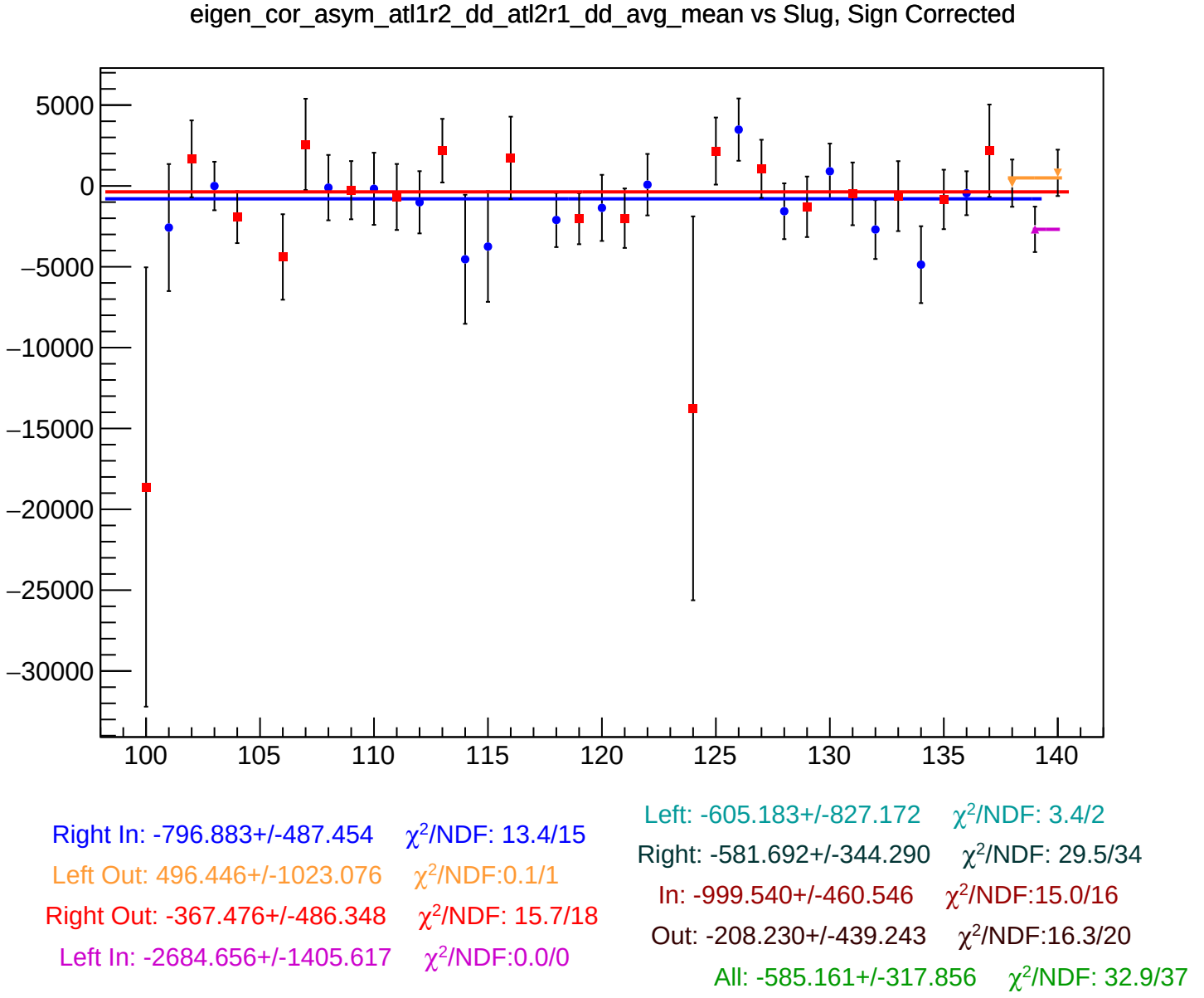
Left: 248.862+/-0.115 χ^2/NDF: 135580.0/2

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 344.315+/-0.102 χ^2/NDF:4479250.1/16

Out: 325.449+/-0.091 χ^2/NDF:4728821.9/20

All: 333.821+/-0.068 χ^2/NDF: 9227036.3/37


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
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−5000
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−15000
−20000
−25000
−30000
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105
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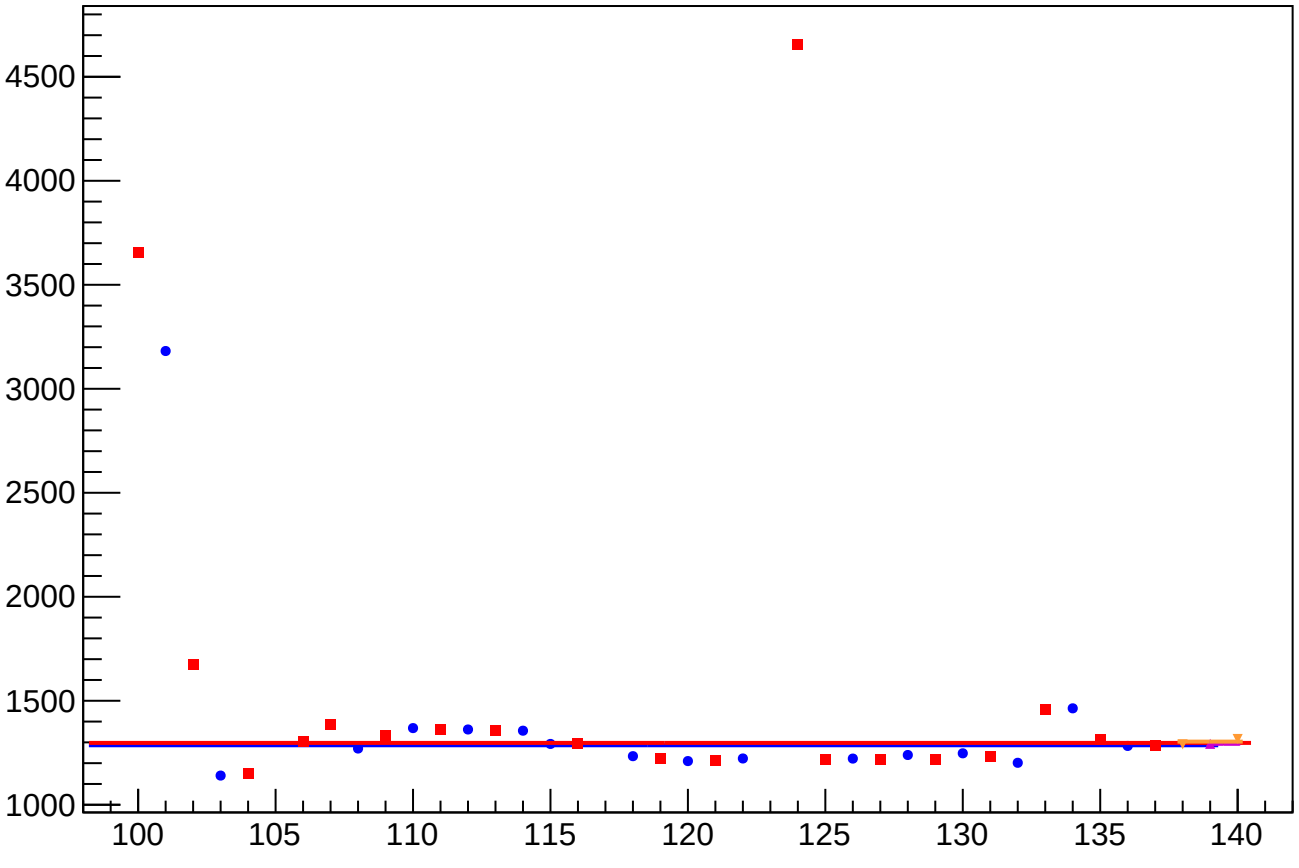
140
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 496.446+/-1023.076 χ²/NDF:0.1/1
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -2684.656+/-1405.617 χ²/NDF:0.0/0
Left: -605.183+/-827.172 χ²/NDF: 3.4/2
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -999.540+/-460.546 χ²/NDF:15.0/16
Out: -208.230+/-439.243 χ²/NDF:16.3/20
All: -585.161+/-317.856 χ²/NDF: 32.9/37



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1303.595+/-0.723 χ^2/NDF:317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1292.956+/-0.994 χ^2/NDF:0.0/0

Left: 1299.910+/-0.585 χ^2/NDF: 392.0/2

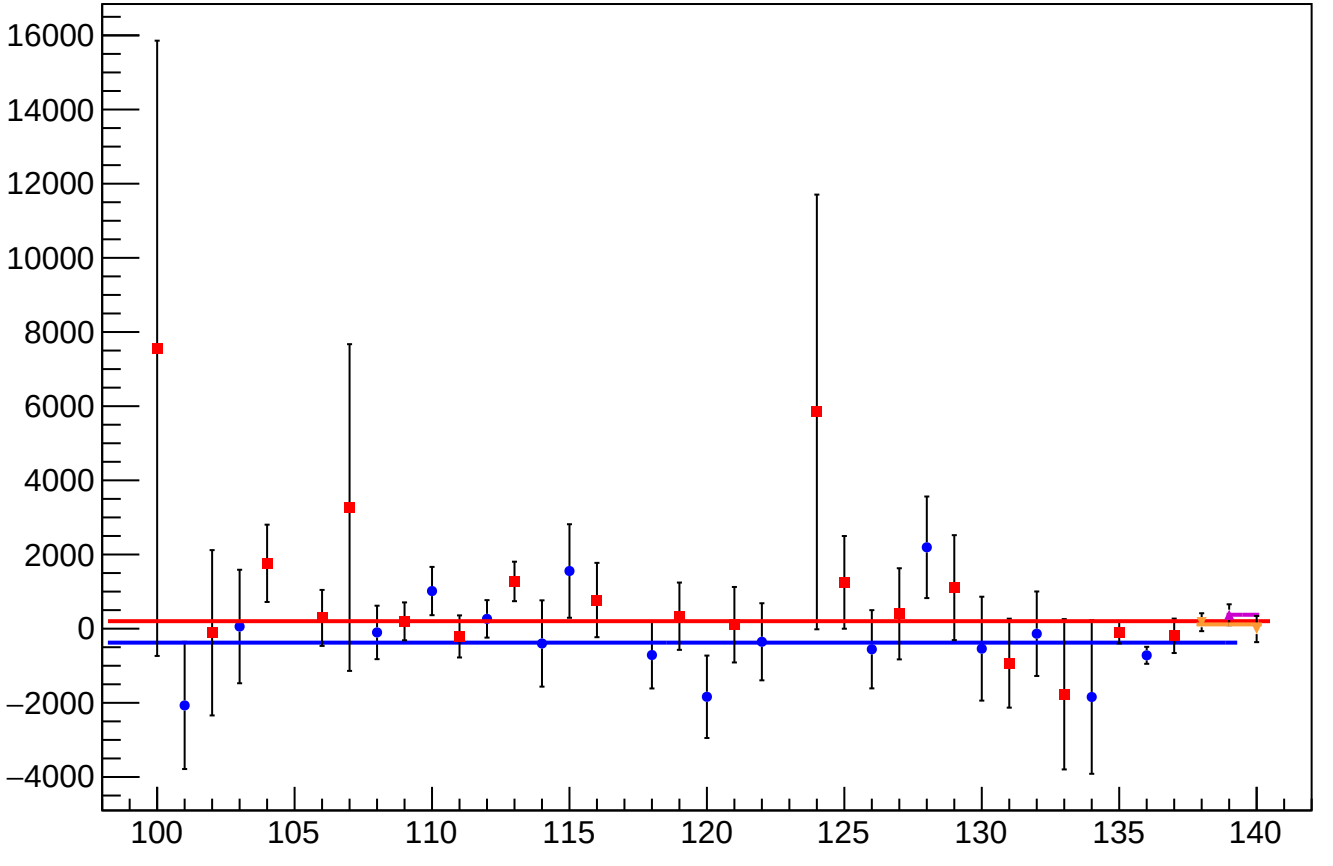
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1286.833+/-0.326 χ^2/NDF:518170.9/16

Out: 1298.537+/-0.311 χ^2/NDF:328118.8/20

All: 1292.962+/-0.225 χ^2/NDF: 846966.0/37

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 115.438+/-199.299 χ^2/NDF:0.2/1

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 375.081+/-282.191 χ^2/NDF:0.0/0

Left: 201.847+/-162.792 χ^2/NDF: 0.8/2

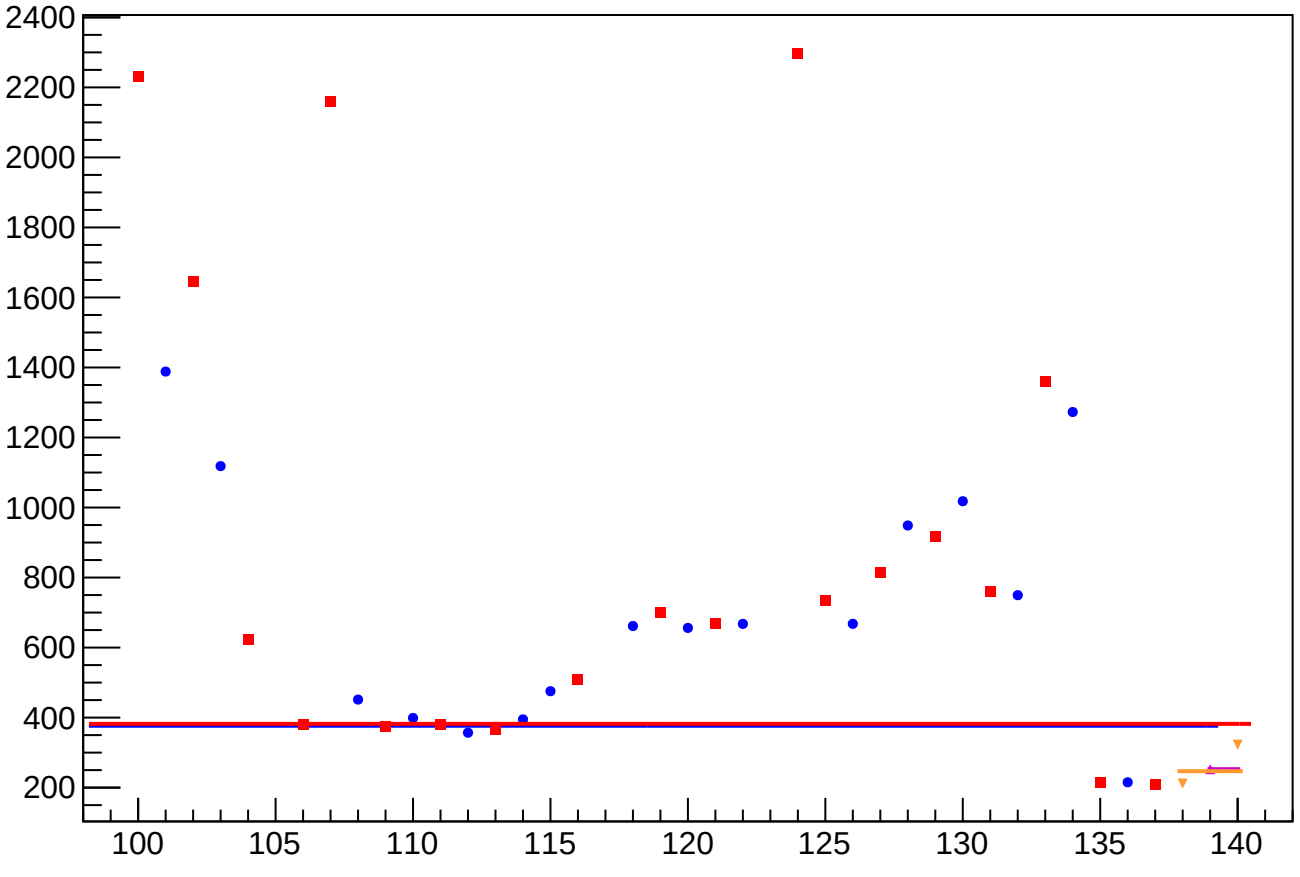
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -179.638+/-144.496 χ^2/NDF:23.2/16

Out: 165.782+/-129.064 χ^2/NDF:14.3/20

All: 12.497+/-96.257 χ^2/NDF: 40.7/37

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 246.964+/-0.141 χ^2/NDF:135035.0/1

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 252.667+/-0.200 χ^2/NDF:0.0/0

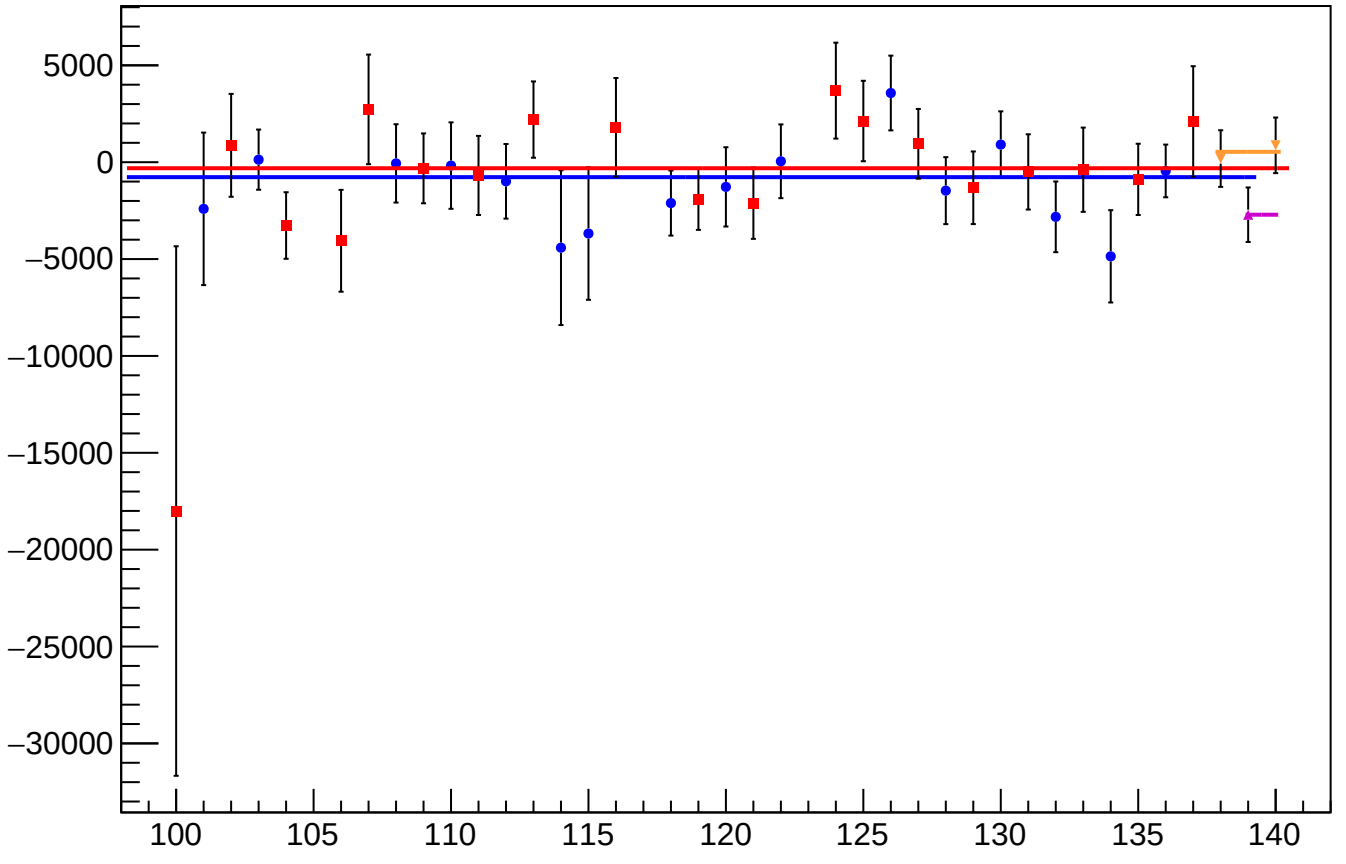
Left: 248.862+/-0.115 χ^2/NDF: 135580.0/2

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 344.315+/-0.102 χ^2/NDF:4479250.1/16

Out: 325.449+/-0.091 χ^2/NDF:4728821.9/20

All: 333.821+/-0.068 χ^2/NDF: 9227036.3/37



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 535.661+/-1023.631 χ^2/NDF:0.1/1

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -2710.933+/-1406.468 χ^2/NDF:0.0/0

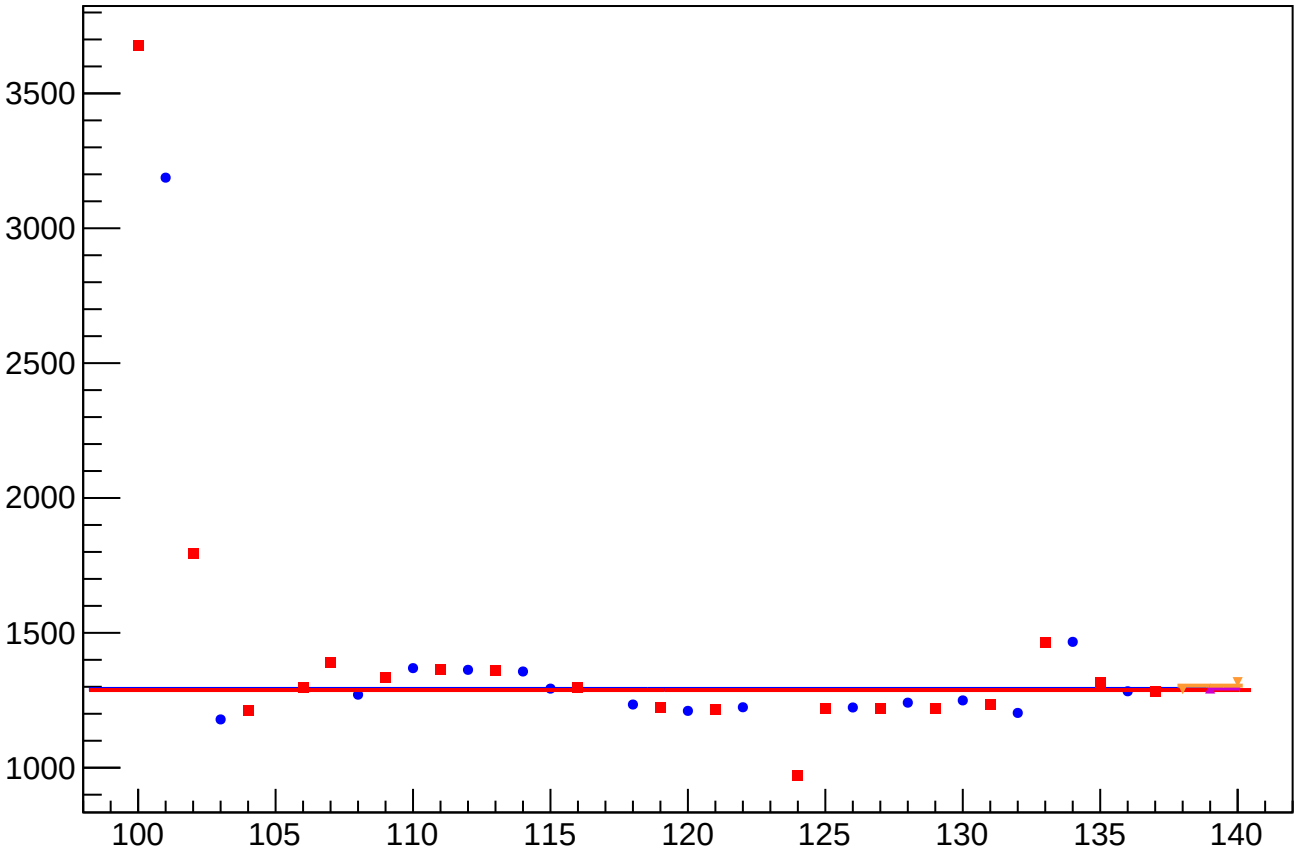
Left: -588.555+/-827.638 χ^2/NDF: 3.6/2

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -981.117+/-462.387 χ^2/NDF:15.3/16

Out: -157.352+/-436.550 χ^2/NDF:18.6/20

All: -545.577+/-317.429 χ^2/NDF: 35.6/37



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1304.299+/-0.724 χ^2/NDF:331.7/1

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1293.708+/-0.995 χ^2/NDF:0.0/0

Left: 1300.631+/-0.585 χ^2/NDF: 405.8/2

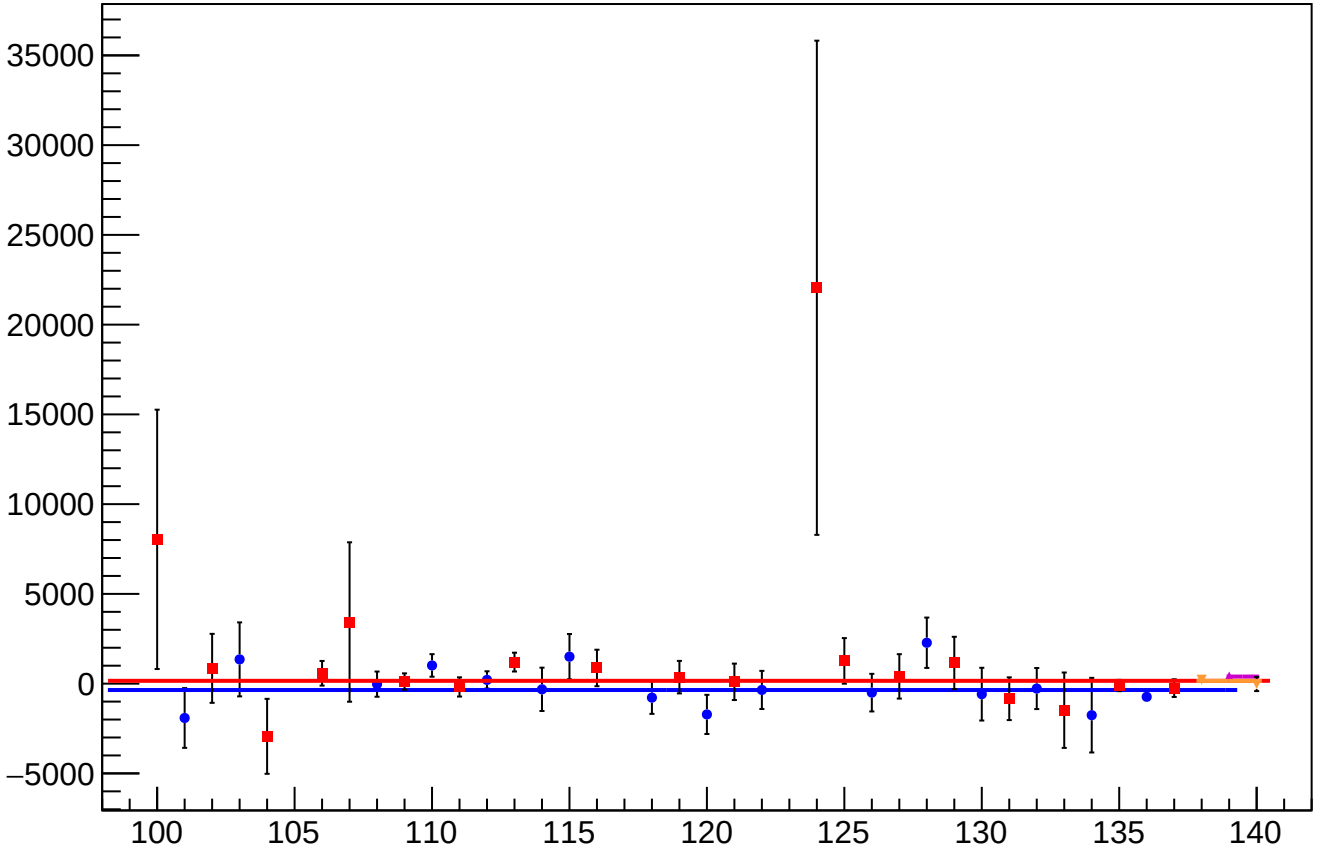
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1292.218+/-0.327 χ^2/NDF:509408.8/16

Out: 1290.955+/-0.309 χ^2/NDF:209955.9/20

All: 1291.550+/-0.224 χ^2/NDF: 719372.6/37

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 151.762+/-207.157 χ^2/NDF:0.3/1

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 395.117+/-276.910 χ^2/NDF:0.0/0

Left: 239.086+/-165.876 χ^2/NDF: 0.8/2

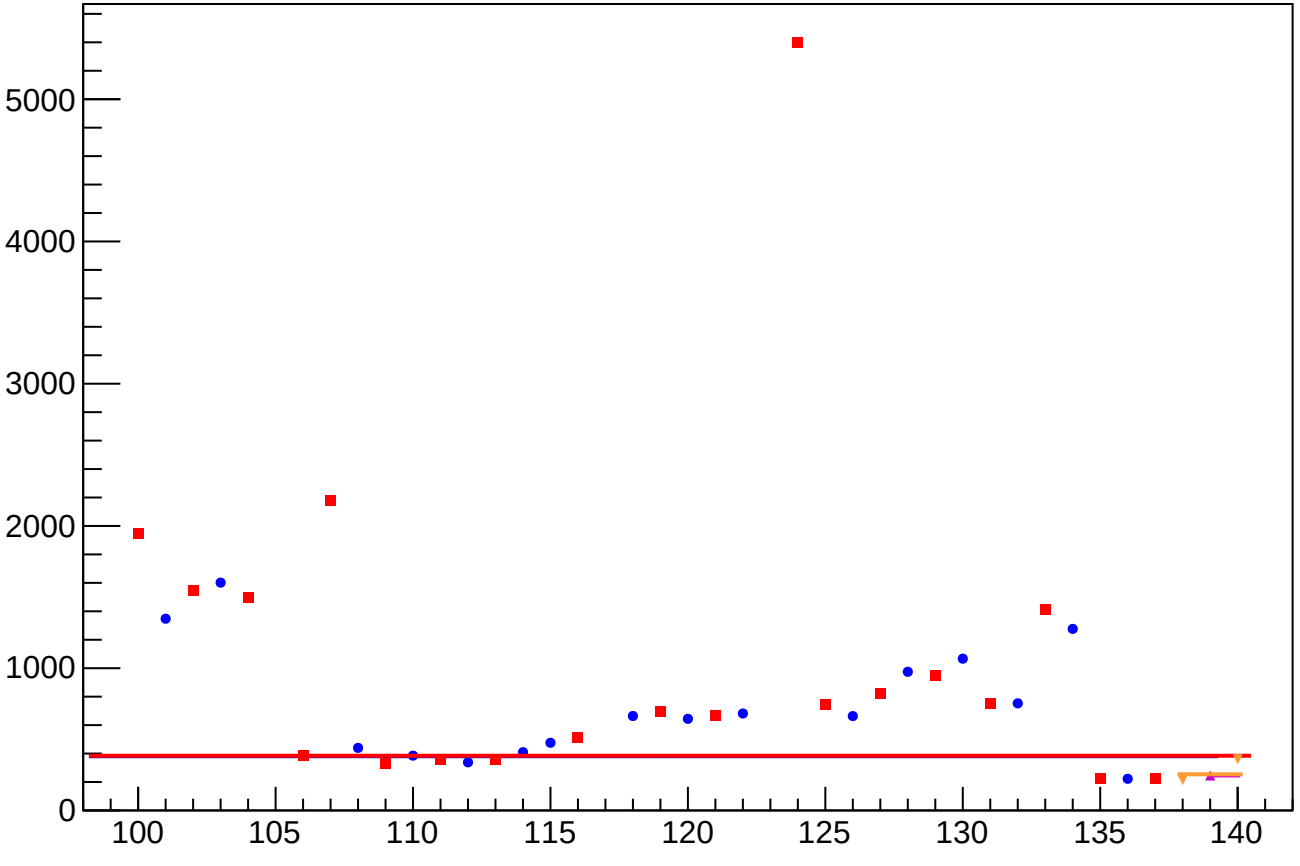
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -149.888+/-144.858 χ^2/NDF:23.8/16

Out: 155.450+/-131.259 χ^2/NDF:16.1/20

All: 17.783+/-97.268 χ^2/NDF: 42.3/37

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 254.208+/-0.146 χ^2/NDF:200321.8/1

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 245.944+/-0.196 χ^2/NDF:0.0/0

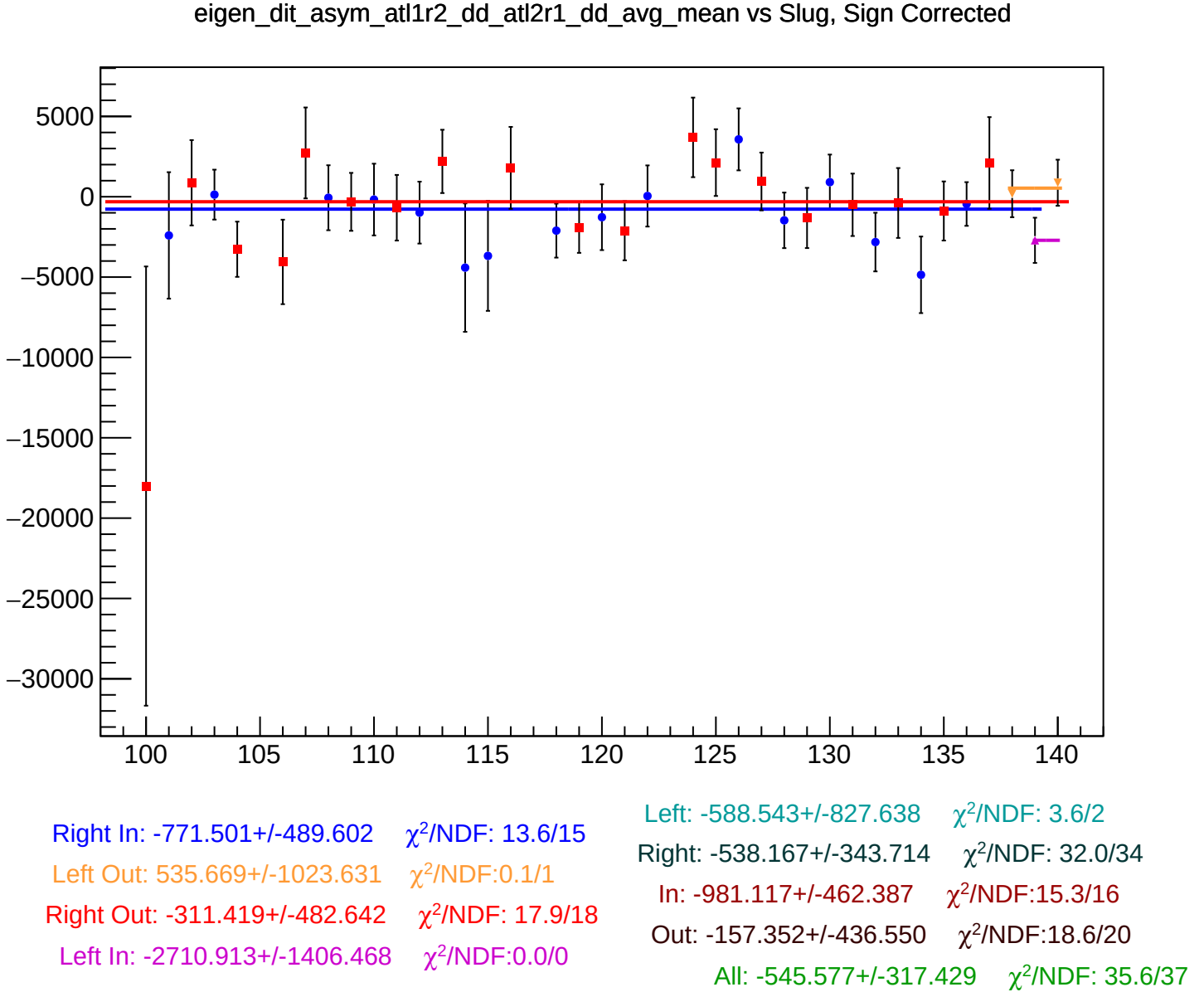
Left: 251.243+/-0.117 χ^2/NDF: 201463.9/2

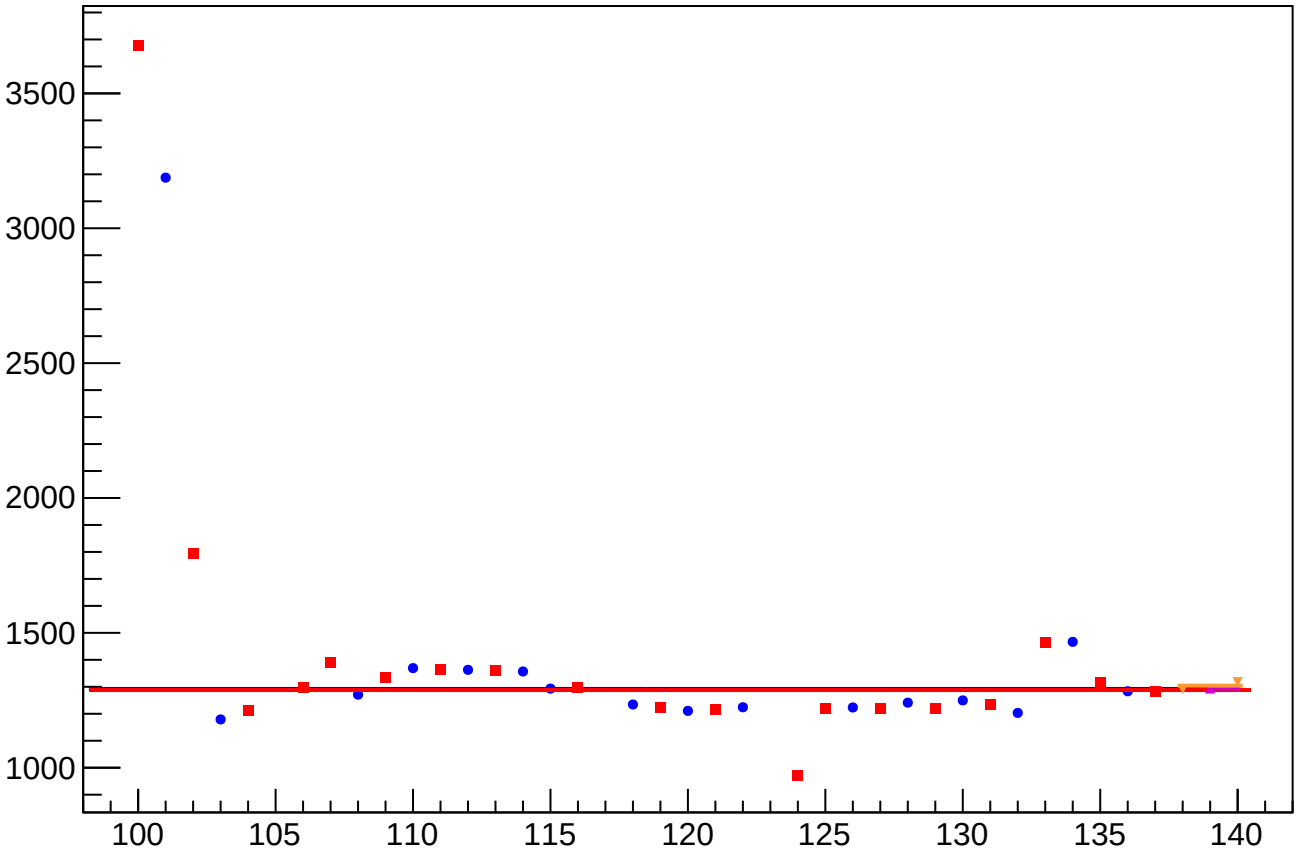
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 344.294+/-0.102 χ^2/NDF:4665267.9/16

Out: 332.281+/-0.093 χ^2/NDF:5235153.7/20

All: 337.697+/-0.069 χ^2/NDF: 9907975.4/37


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 535.669+/-1023.631 χ²/NDF:0.1/1
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -2710.913+/-1406.468 χ²/NDF:0.0/0
Left: -588.543+/-827.638 χ²/NDF: 3.6/2
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -981.117+/-462.387 χ²/NDF:15.3/16
Out: -157.352+/-436.550 χ²/NDF:18.6/20
All: -545.577+/-317.429 χ²/NDF: 35.6/37



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1304.299+/-0.724 χ^2/NDF:331.7/1

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1293.708+/-0.995 χ^2/NDF:0.0/0

Left: 1300.631+/-0.585 χ^2/NDF: 405.8/2

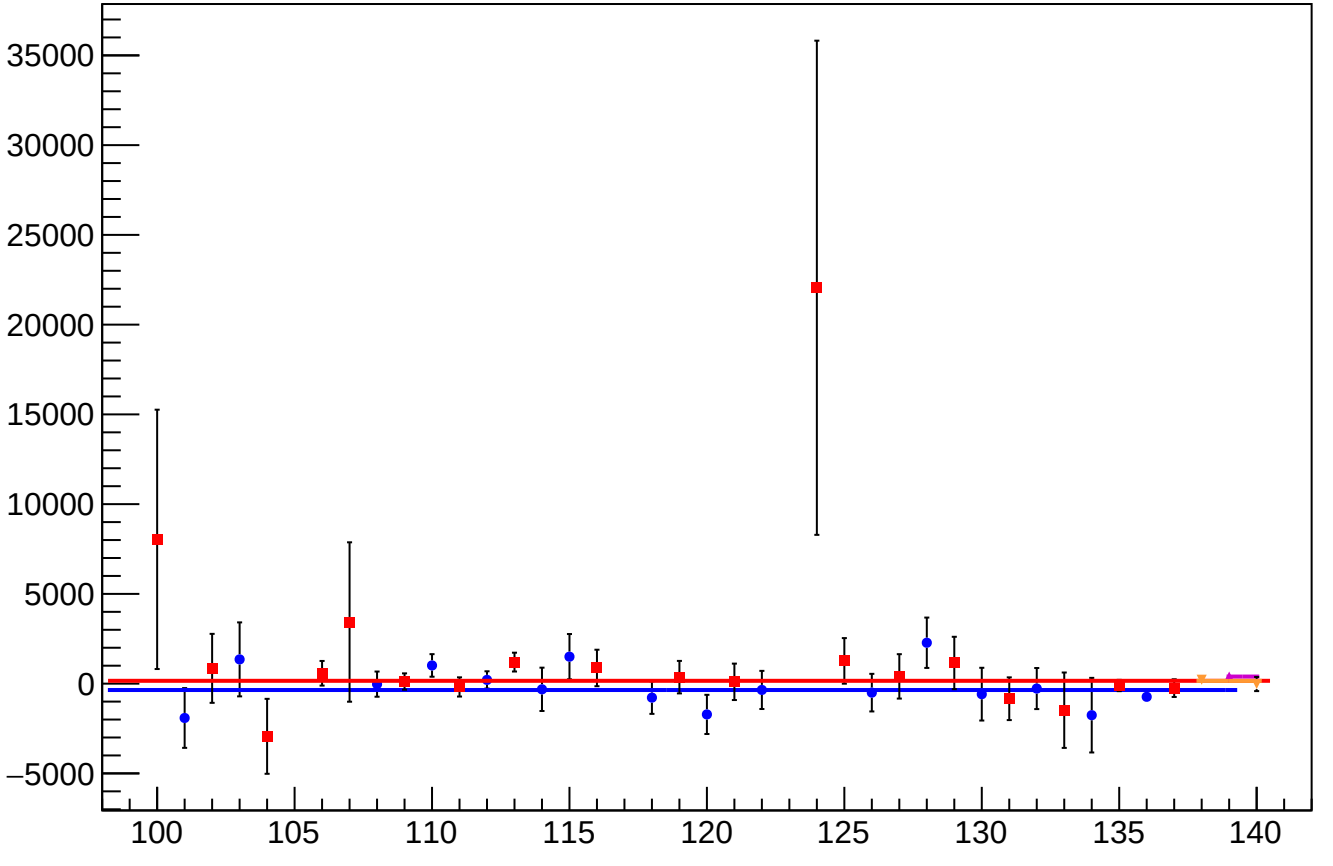
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1292.218+/-0.327 χ^2/NDF:509408.8/16

Out: 1290.955+/-0.309 χ^2/NDF:209956.2/20

All: 1291.550+/-0.224 χ^2/NDF: 719372.8/37

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 151.769+/-207.167 χ^2/NDF:0.3/1

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 395.143+/-276.926 χ^2/NDF:0.0/0

Left: 239.098+/-165.885 χ^2/NDF: 0.8/2

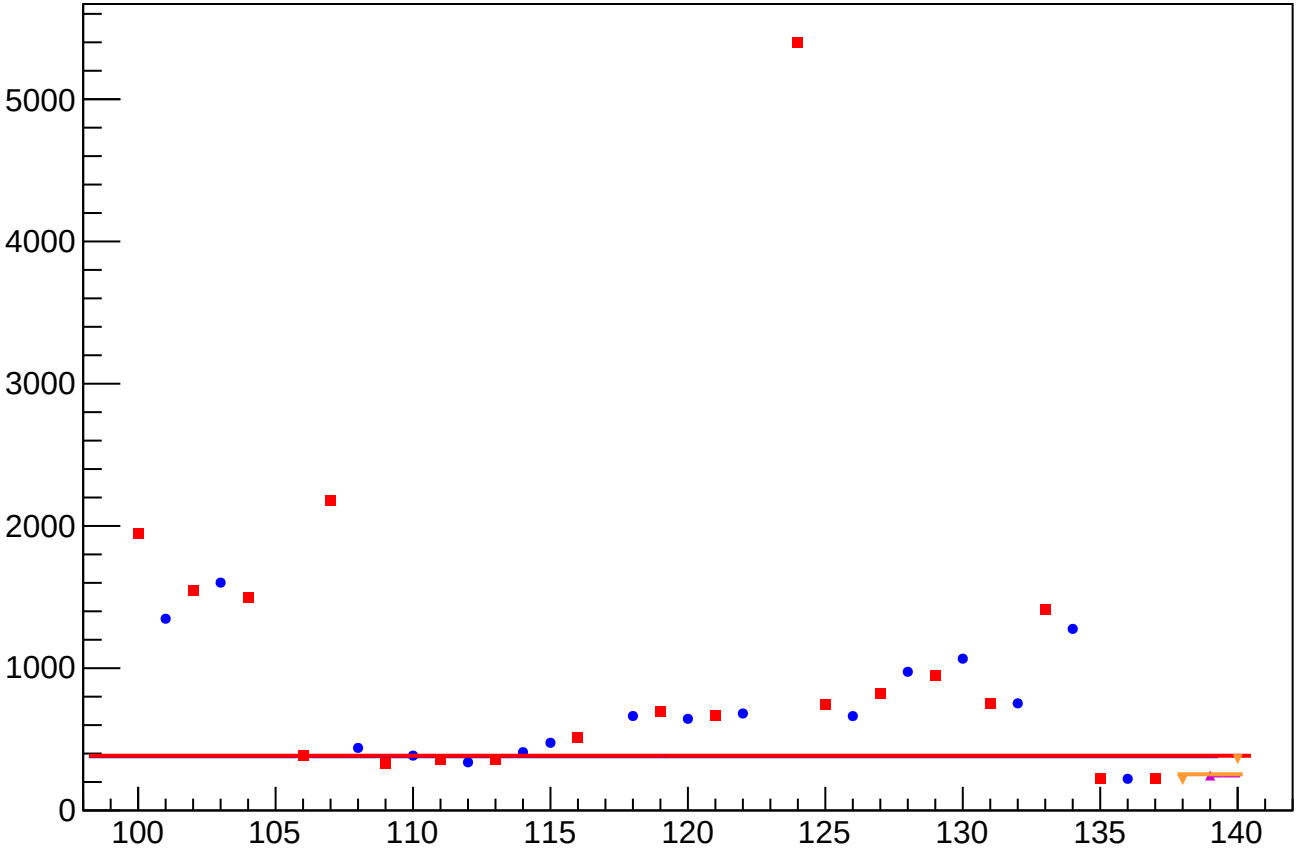
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -149.893+/-144.863 χ^2/NDF:23.8/16

Out: 155.456+/-131.263 χ^2/NDF:16.1/20

All: 17.784+/-97.270 χ^2/NDF: 42.3/37

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 254.222+/-0.146 χ^2/NDF:200287.0/1

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 245.960+/-0.196 χ^2/NDF:0.0/0

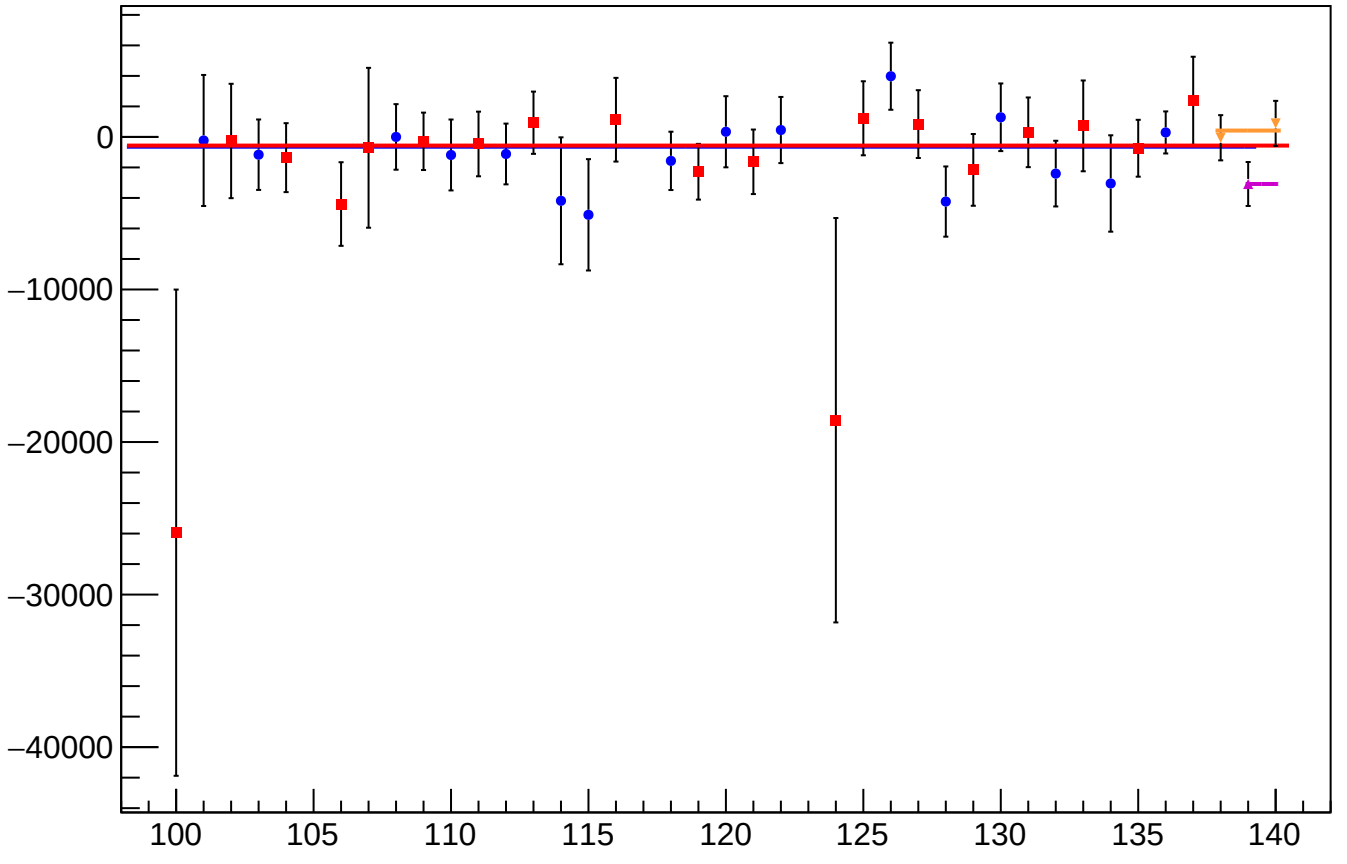
Left: 251.257+/-0.117 χ^2/NDF: 201428.4/2

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 344.308+/-0.102 χ^2/NDF:4665020.6/16

Out: 332.293+/-0.093 χ^2/NDF:5234904.4/20

All: 337.710+/-0.069 χ^2/NDF: 9907480.4/37



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 417.684+/-1046.330 χ^2/NDF:0.2/1

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -3084.290+/-1441.372 χ^2/NDF:0.0/0

Left: -790.874+/-846.747 χ^2/NDF: 4.1/2

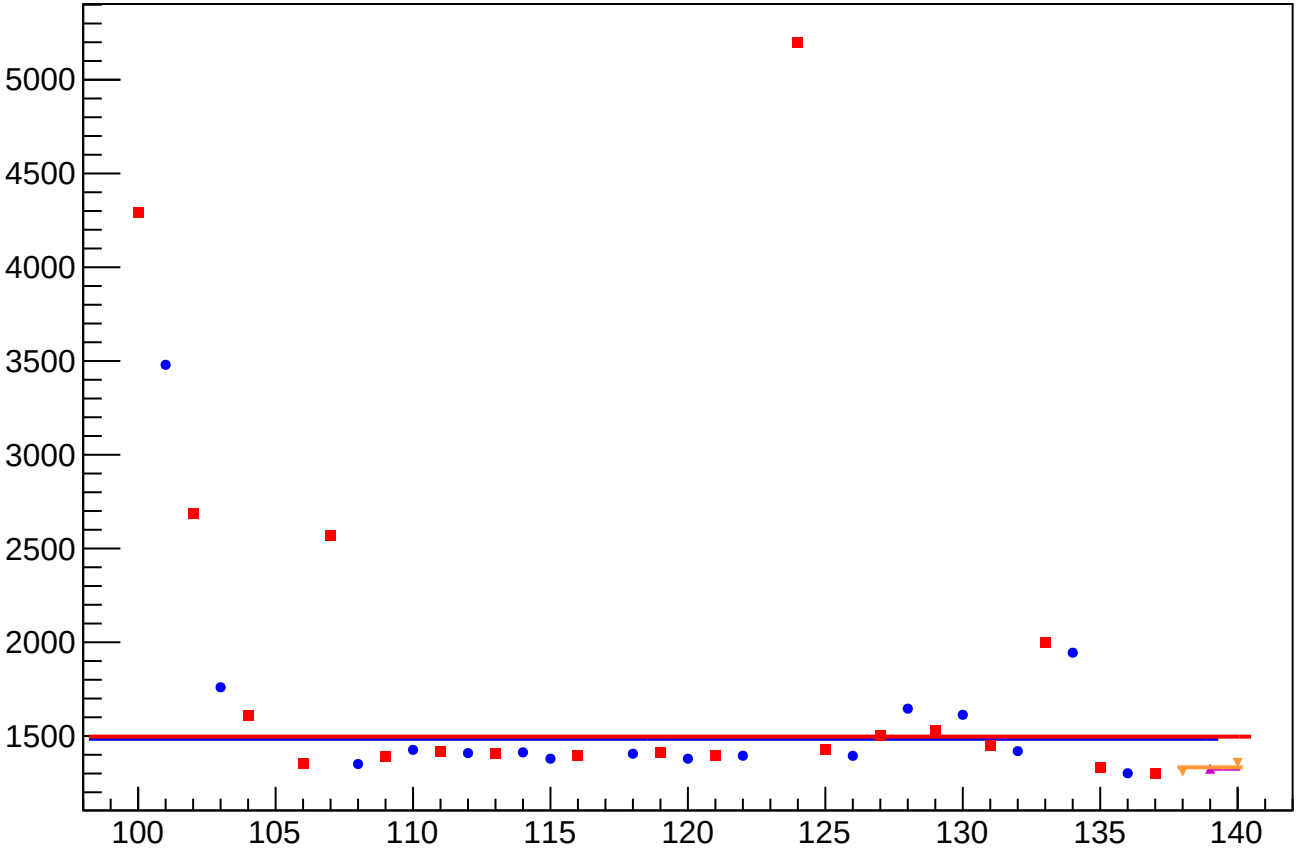
Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -965.634+/-525.518 χ^2/NDF:15.0/16

Out: -343.818+/-498.358 χ^2/NDF:12.2/20

All: -638.242+/-361.613 χ^2/NDF: 27.9/37

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1333.065+/-0.740 χ^2/NDF:1034.5/1

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1325.625+/-1.019 χ^2/NDF:0.0/0

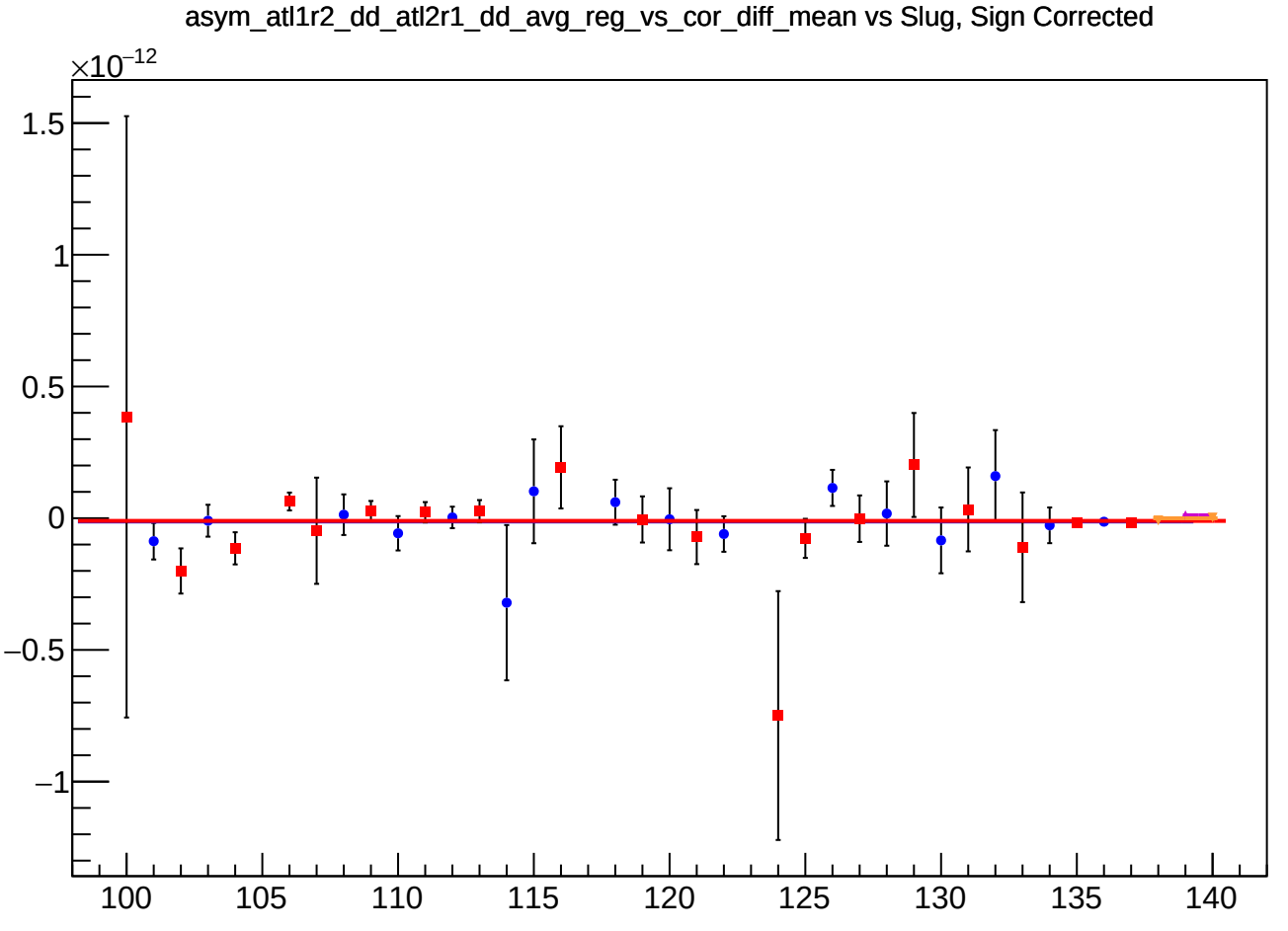
Left: 1330.498+/-0.599 χ^2/NDF: 1069.4/2

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1464.135+/-0.372 χ^2/NDF:605770.5/16

Out: 1459.707+/-0.352 χ^2/NDF:662222.3/20

All: 1461.804+/-0.256 χ^2/NDF: 1268067.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

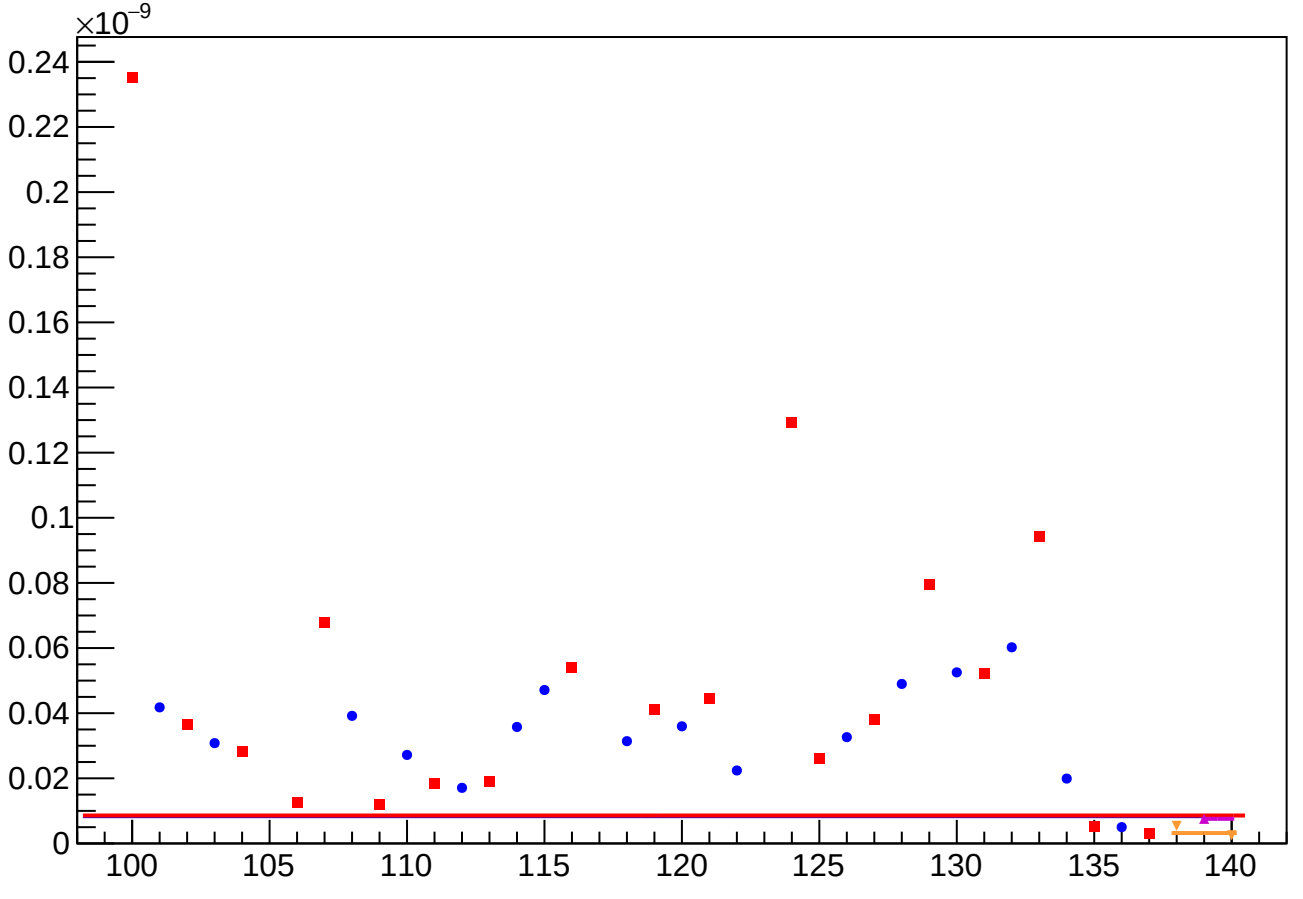
Left: 0.000+/-0.000 χ^2/NDF: 2.1/2

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:12.7/16

Out: -0.000+/-0.000 χ^2/NDF:24.7/20

All: -0.000+/-0.000 χ^2/NDF: 37.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:171686.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 457878.0/2

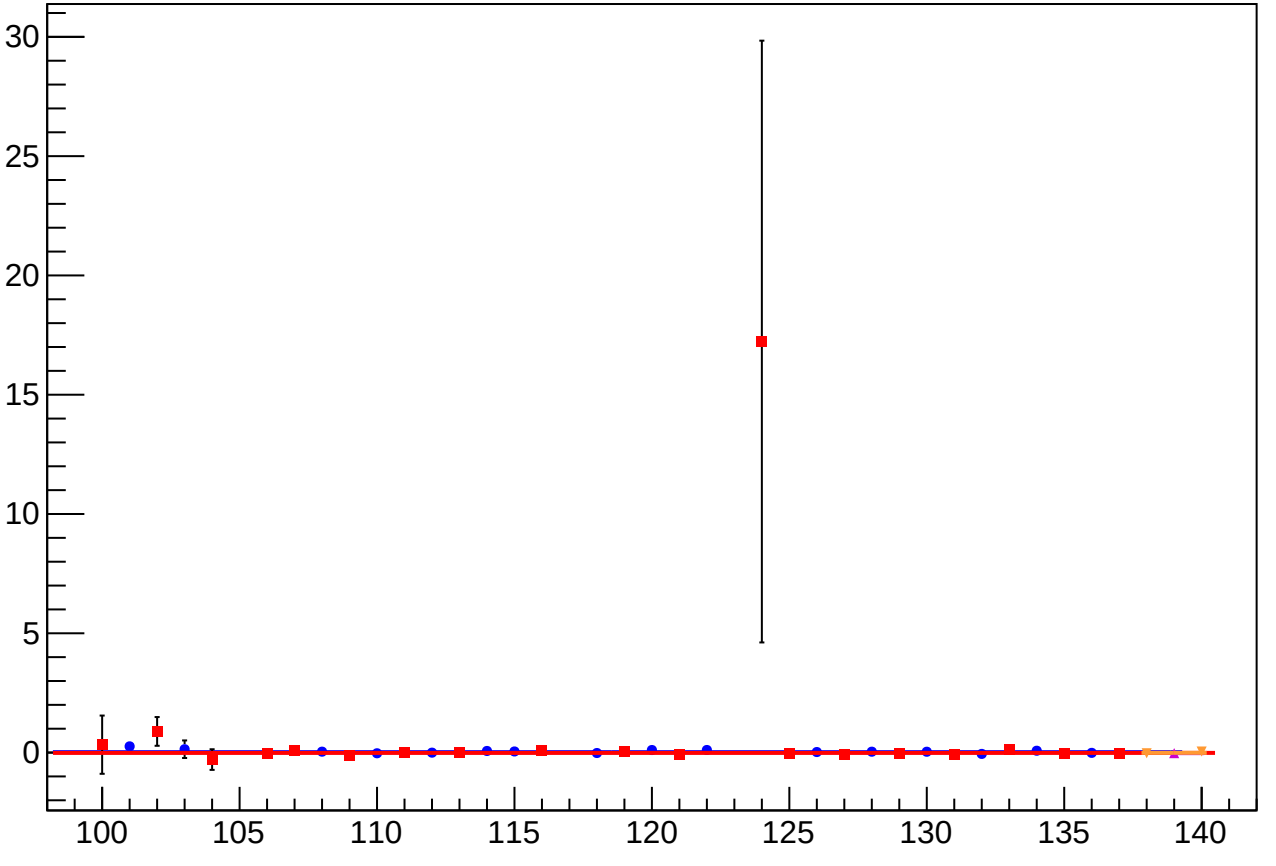
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3067504.8/16

Out: 0.000+/-0.000 χ^2/NDF:4223344.2/20

All: 0.000+/-0.000 χ^2/NDF: 7834973.8/37

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.024+/-0.029 χ^2/NDF:0.0/0

Left: -0.016+/-0.018 χ^2/NDF: 2.0/2

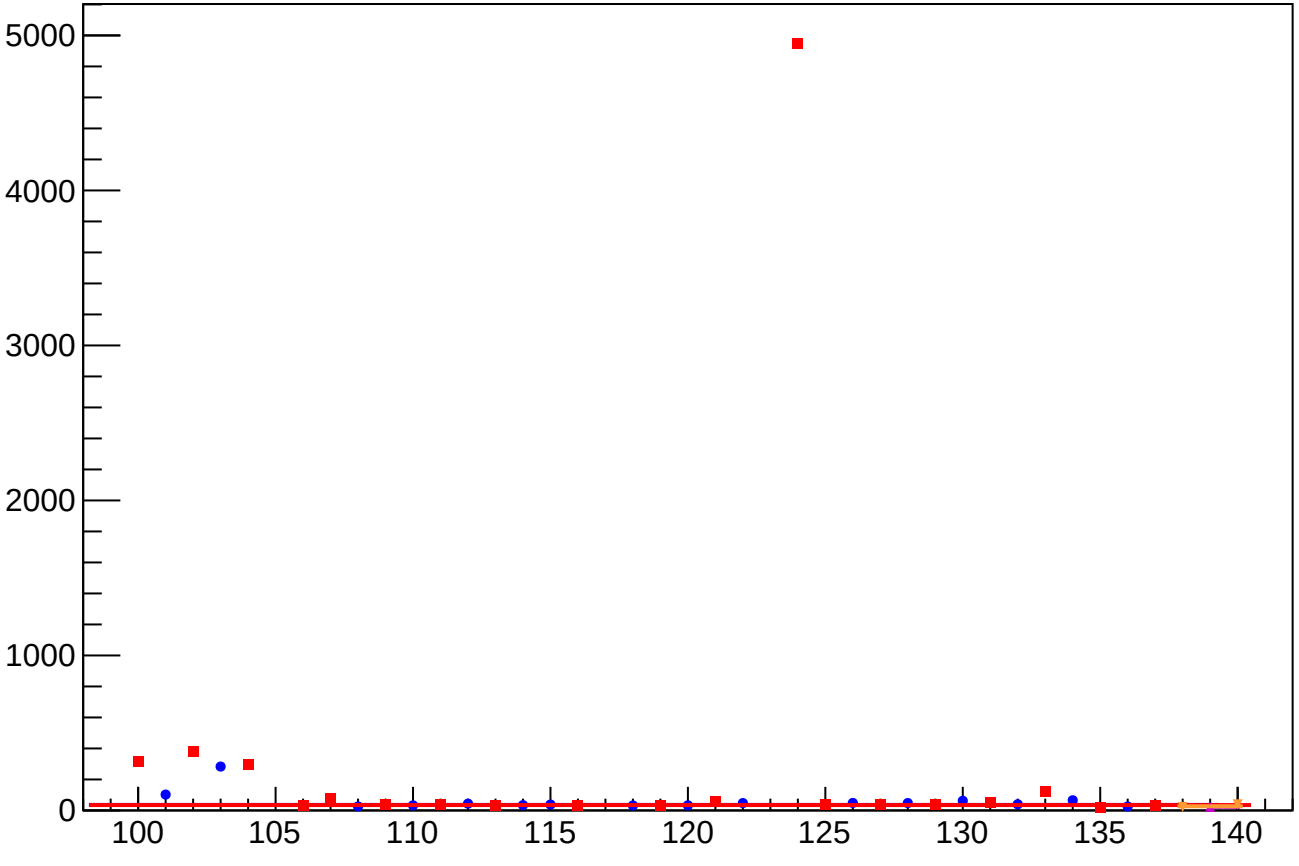
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.014 χ^2/NDF:13.0/16

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.003+/-0.009 χ^2/NDF: 32.1/37

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 27.058+/-0.017 χ^2/NDF:201472.7/1

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 23.483+/-0.021 χ^2/NDF:0.0/0

Left: 25.652+/-0.013 χ^2/NDF: 219525.4/2

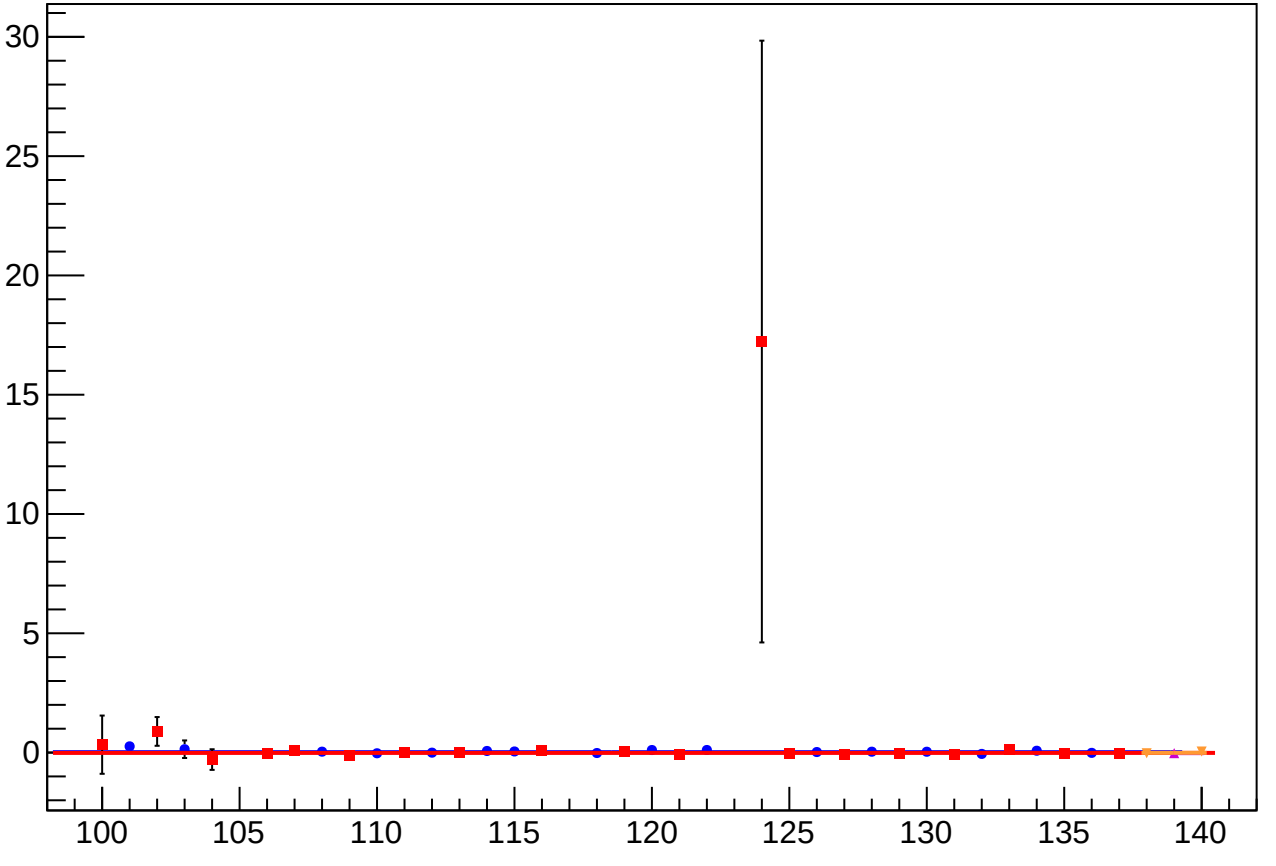
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.078+/-0.010 χ^2/NDF:2538535.5/16

Out: 32.439+/-0.009 χ^2/NDF:3265150.6/20

All: 32.743+/-0.007 χ^2/NDF: 5805975.1/37

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.024+/-0.029 χ^2/NDF:0.0/0

Left: -0.016+/-0.018 χ^2/NDF: 2.0/2

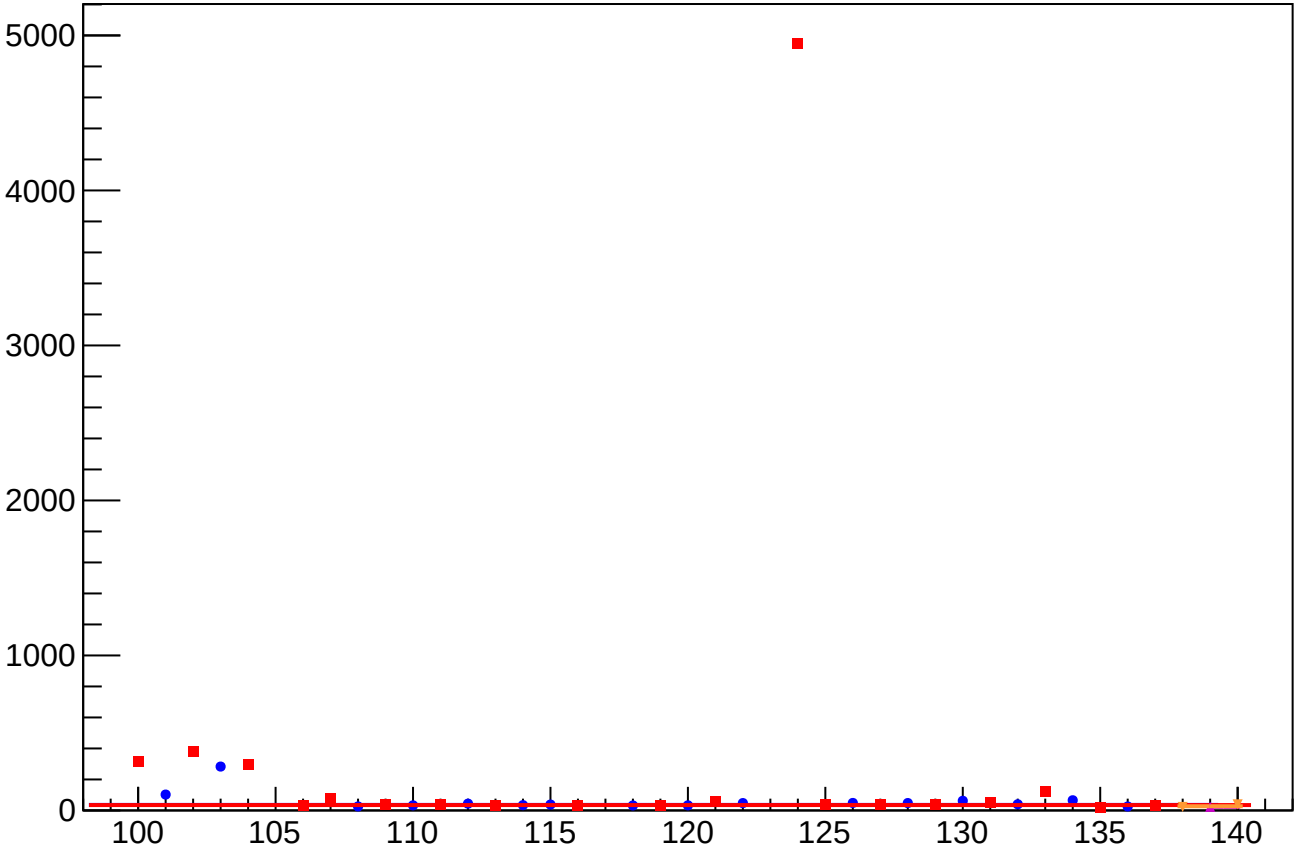
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.014 χ^2/NDF:13.0/16

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.003+/-0.009 χ^2/NDF: 32.1/37

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 27.058+/-0.017 χ^2/NDF:201472.7/1

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 23.483+/-0.021 χ^2/NDF:0.0/0

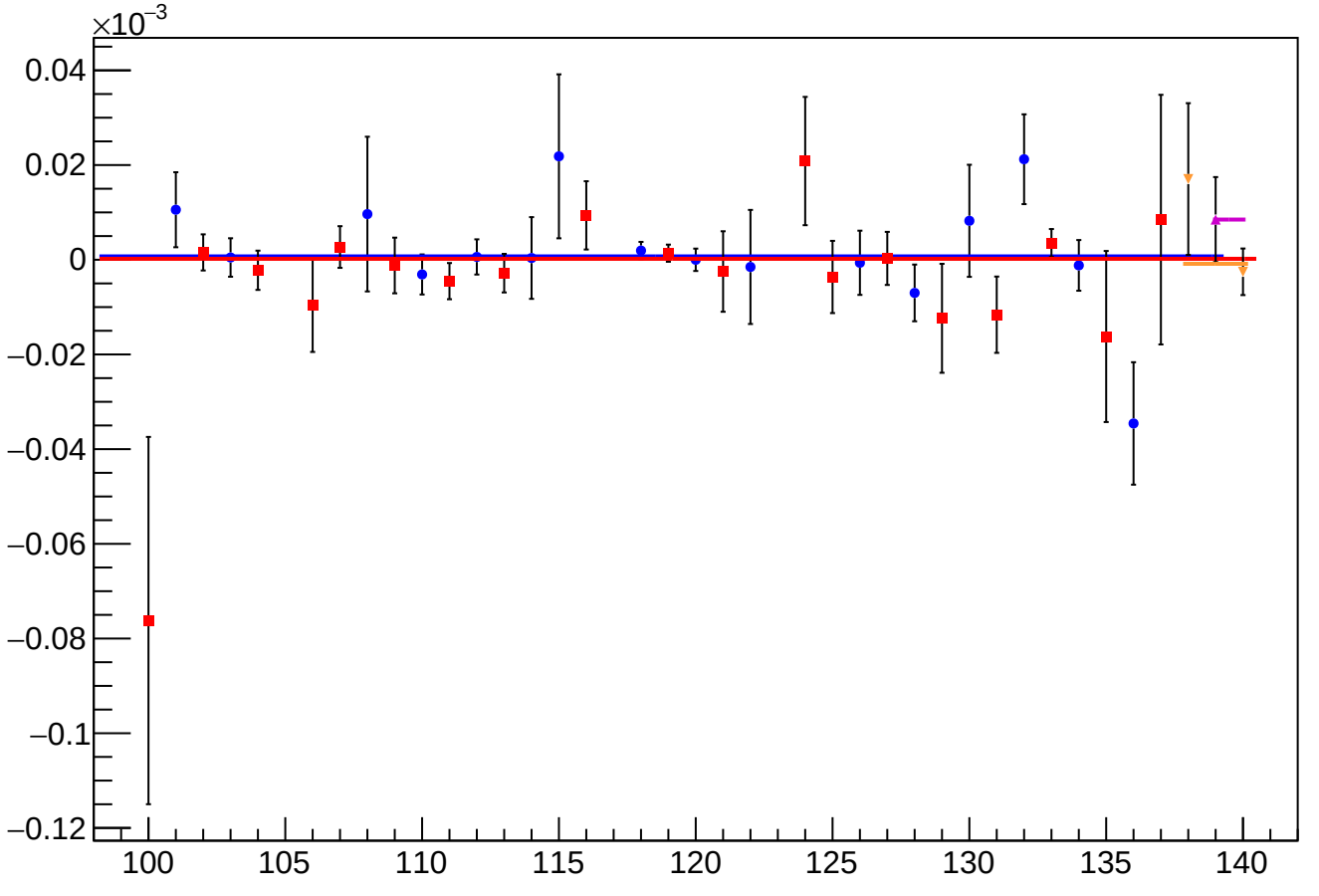
Left: 25.652+/-0.013 χ^2/NDF: 219525.4/2

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.078+/-0.010 χ^2/NDF:2538535.5/16

Out: 32.439+/-0.009 χ^2/NDF:3265150.6/20

All: 32.743+/-0.007 χ^2/NDF: 5805975.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 2.2/2

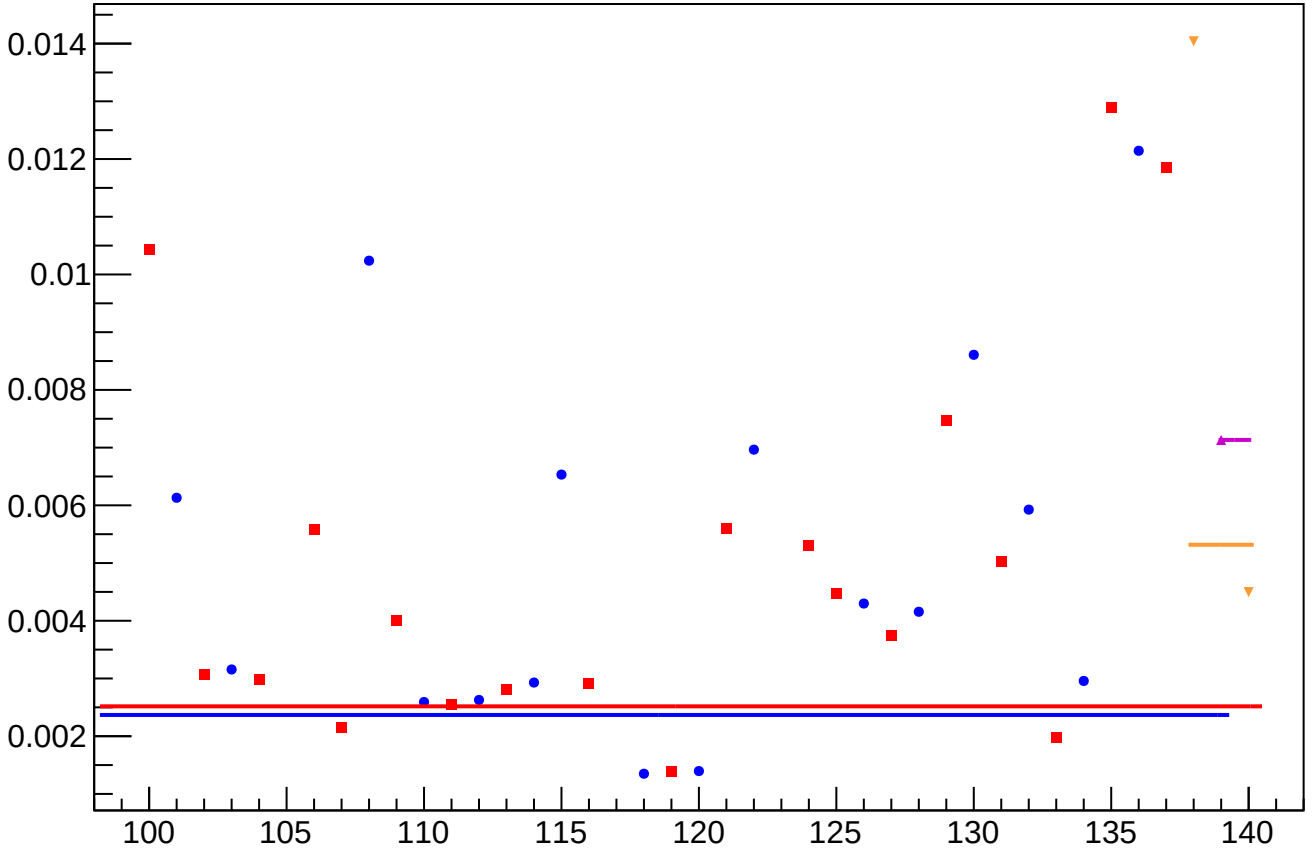
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:19.8/16

Out: 0.000+/-0.000 χ^2/NDF:19.5/20

All: 0.000+/-0.000 χ^2/NDF: 39.5/37

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:647888.0/1

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.007+/-0.000 χ^2/NDF:0.0/0

Left: 0.006+/-0.000 χ^2/NDF: 712166.1/2

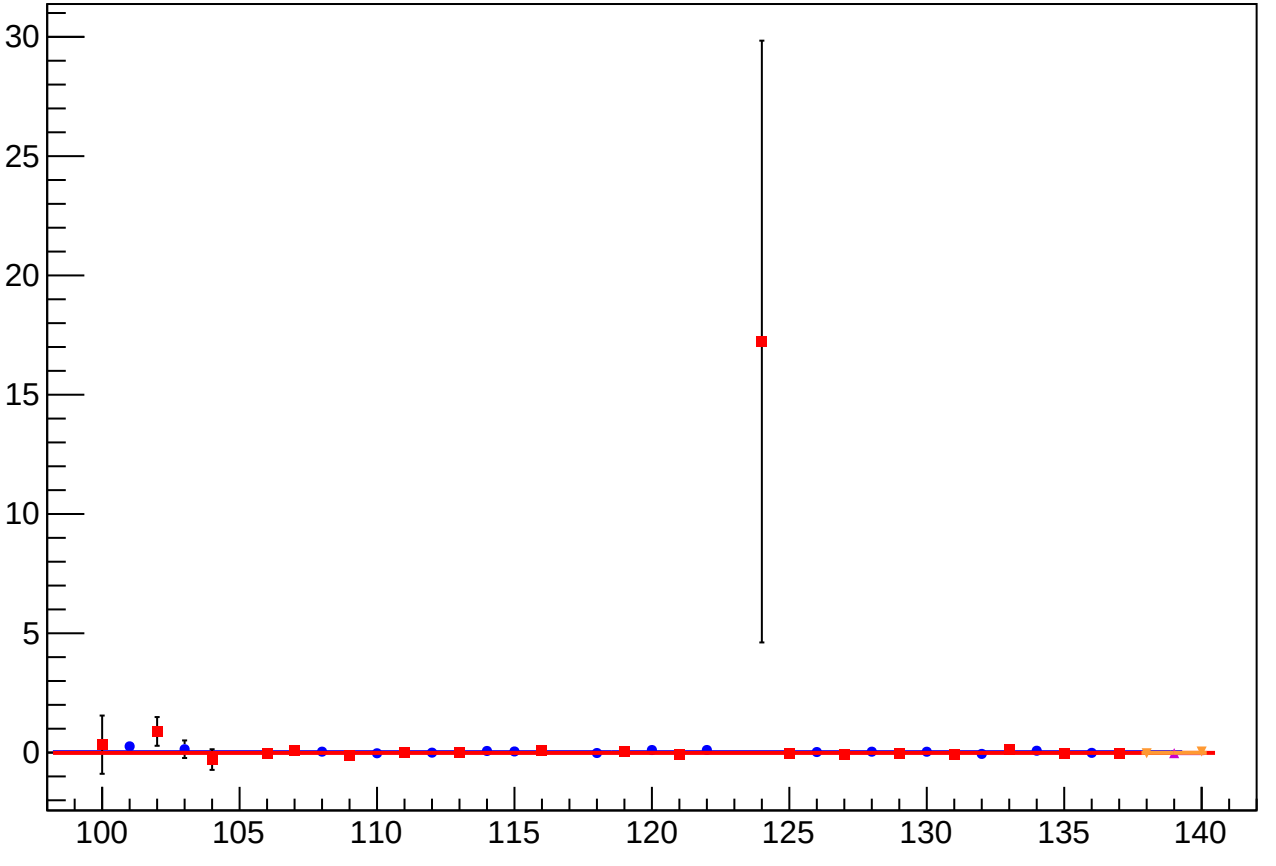
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:5277110.1/16

Out: 0.003+/-0.000 χ^2/NDF:4720092.5/20

All: 0.003+/-0.000 χ^2/NDF: 10037424.6/37

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.024+/-0.029 χ^2/NDF:0.0/0

Left: -0.016+/-0.018 χ^2/NDF: 2.0/2

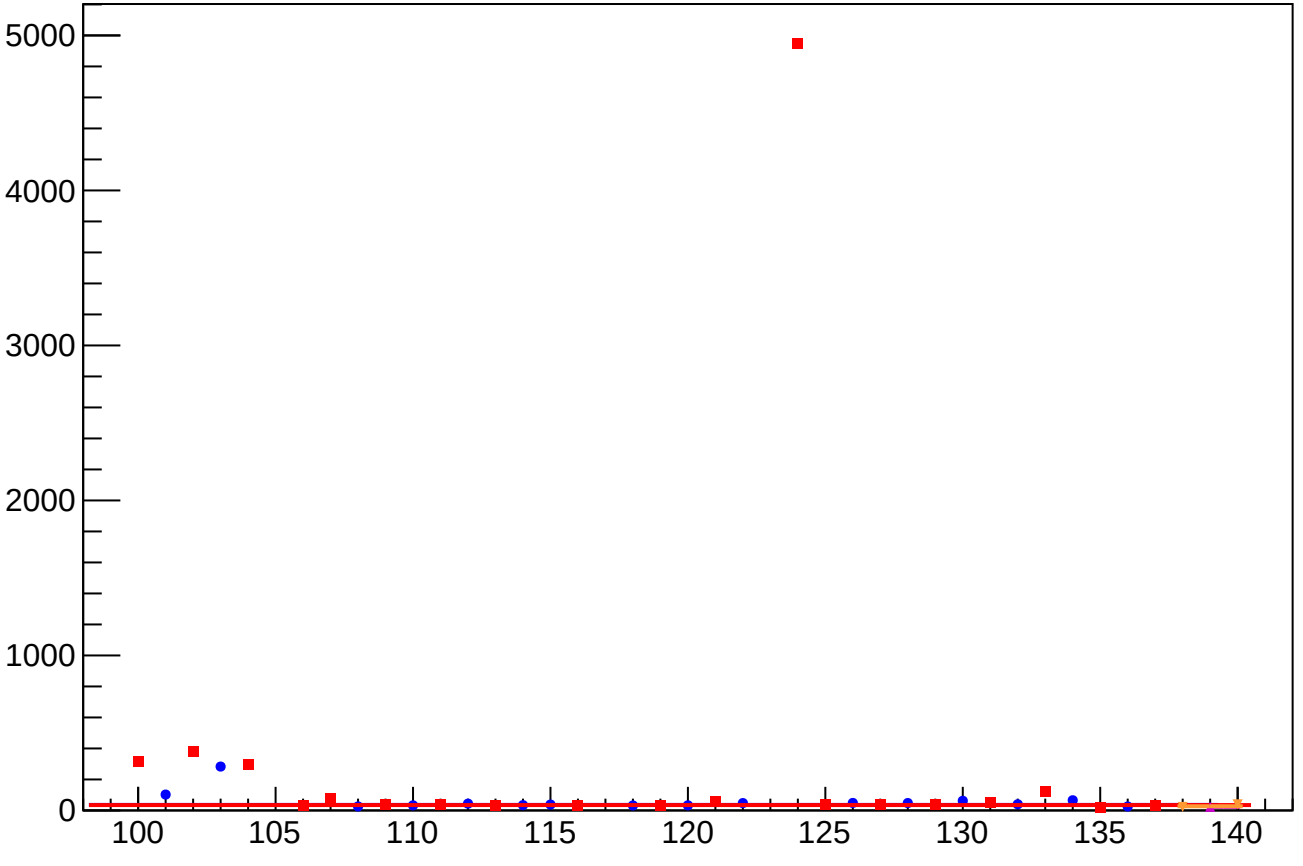
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.014 χ^2/NDF:13.0/16

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.003+/-0.009 χ^2/NDF: 32.1/37

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 27.057+/-0.017 χ^2/NDF:201563.0/1

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 23.477+/-0.021 χ^2/NDF:0.0/0

Left: 25.649+/-0.013 χ^2/NDF: 219668.2/2

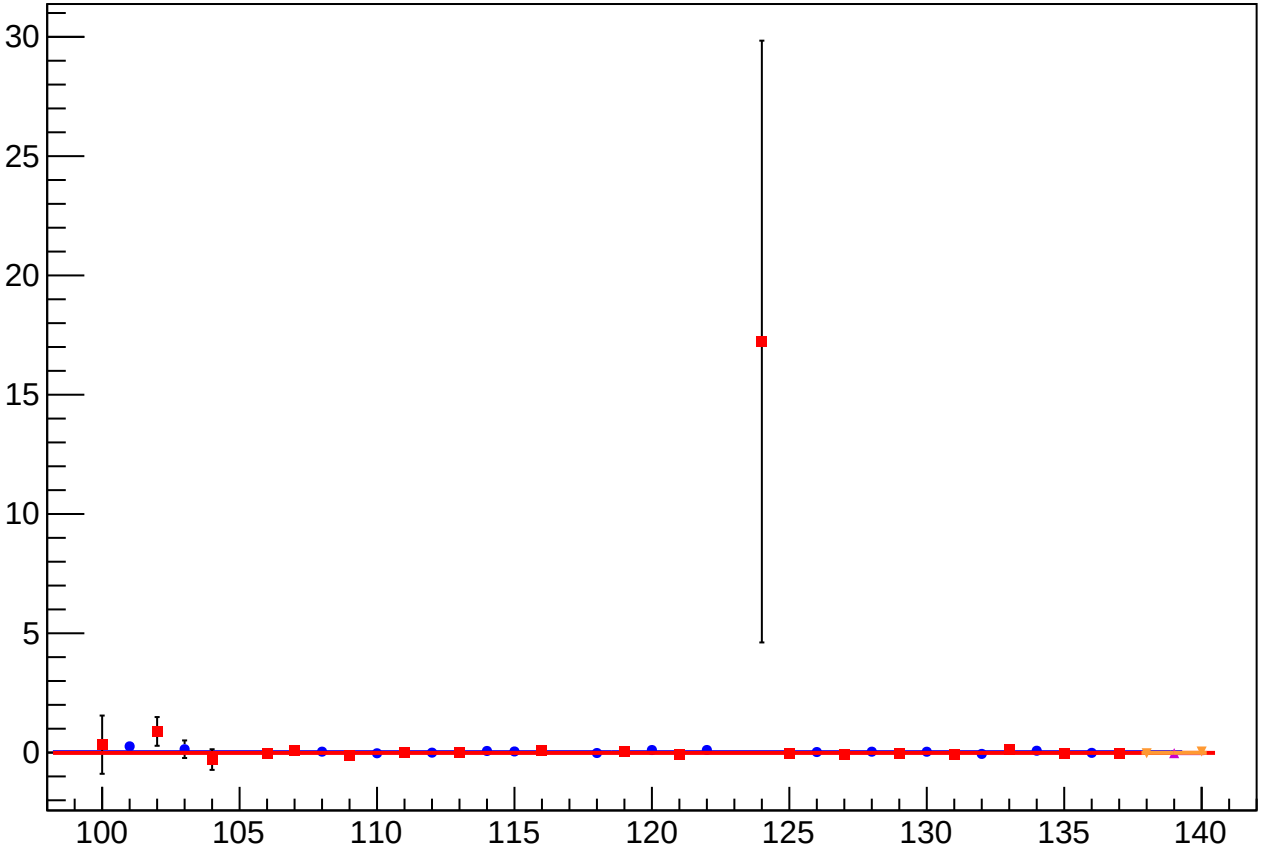
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.077+/-0.010 χ^2/NDF:2538653.7/16

Out: 32.440+/-0.009 χ^2/NDF:3265141.4/20

All: 32.743+/-0.007 χ^2/NDF: 5806076.0/37

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.024+/-0.029 χ^2/NDF:0.0/0

Left: -0.016+/-0.018 χ^2/NDF: 2.0/2

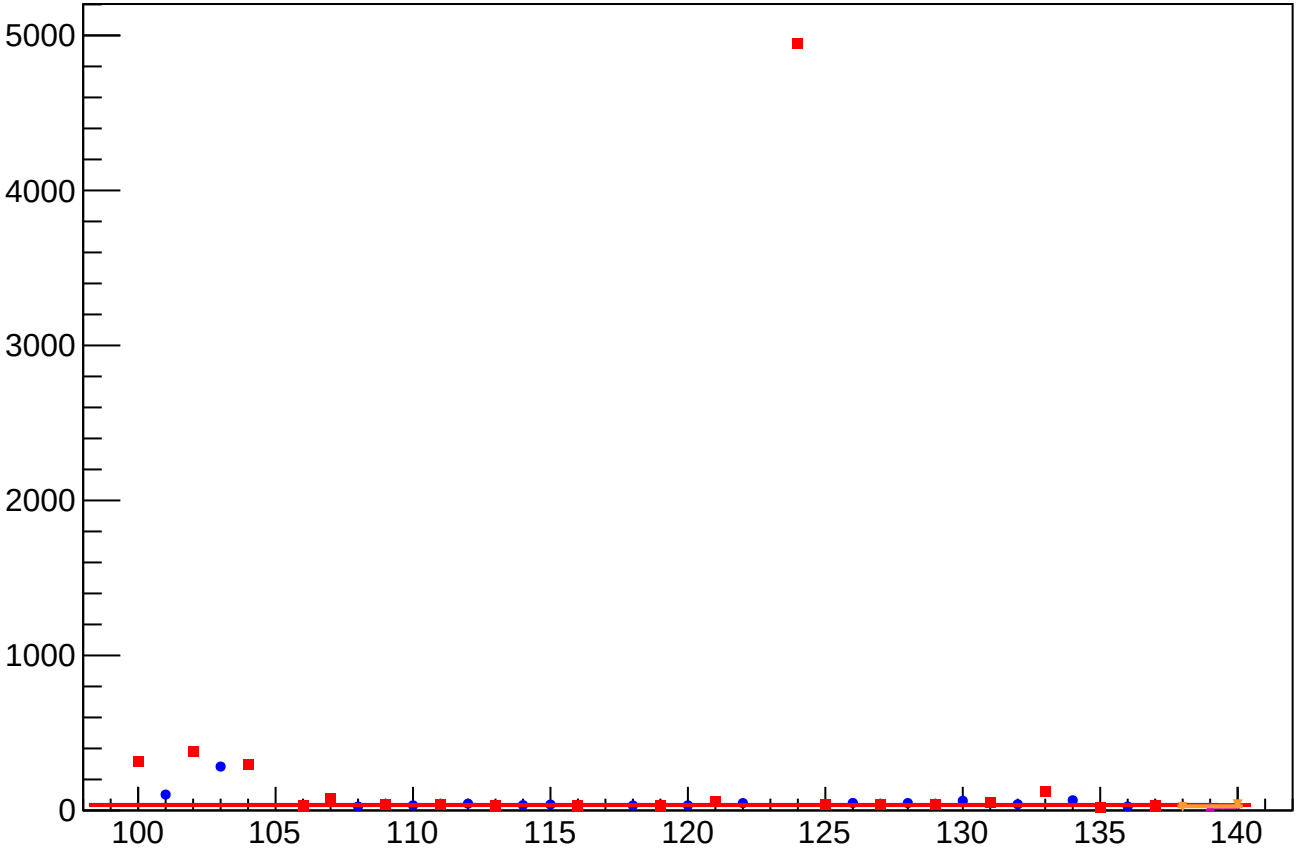
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.014 χ^2/NDF:13.0/16

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.003+/-0.009 χ^2/NDF: 32.1/37

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 27.057+/-0.017 χ^2/NDF:201563.0/1

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 23.477+/-0.021 χ^2/NDF:0.0/0

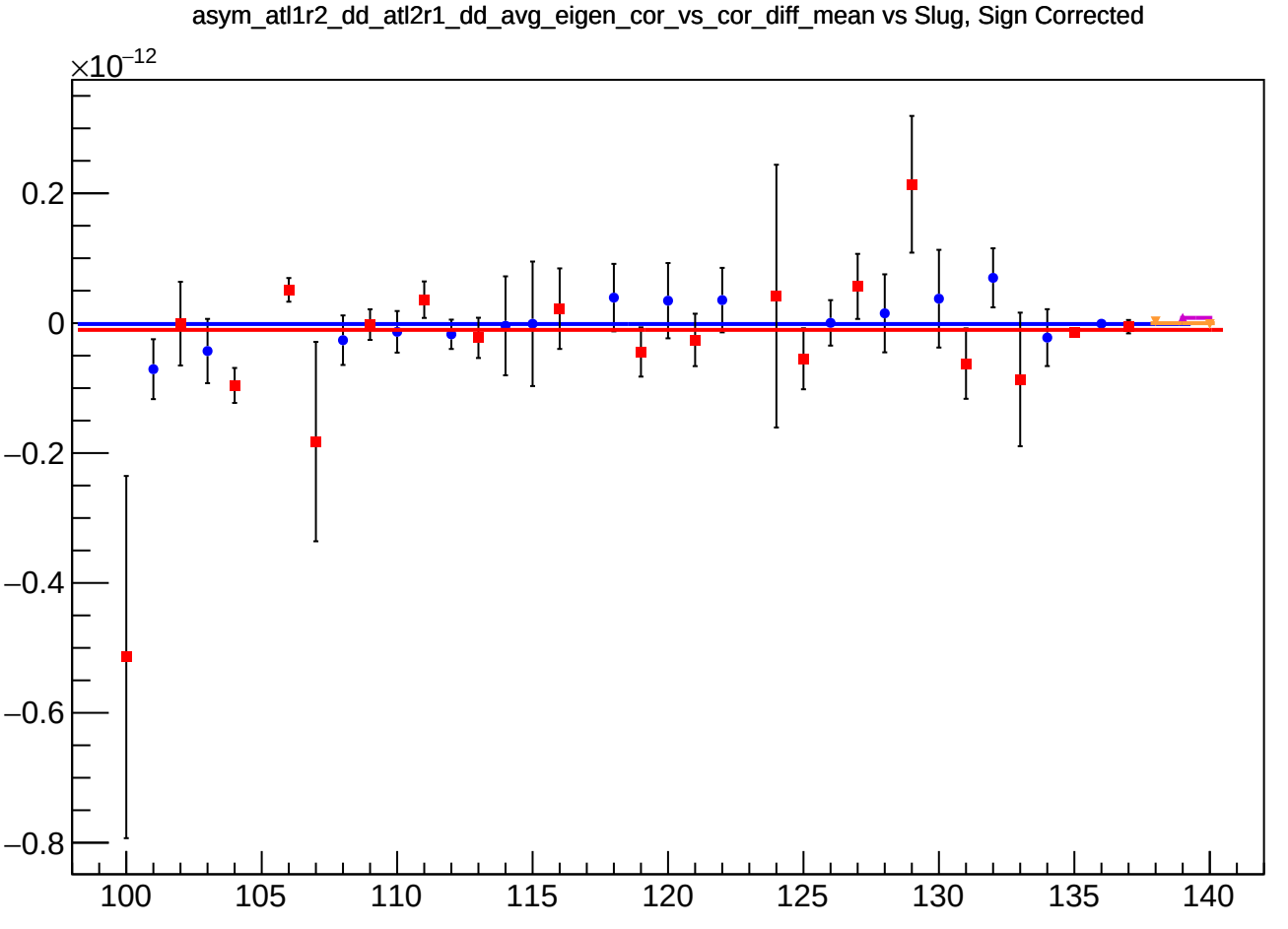
Left: 25.649+/-0.013 χ^2/NDF: 219668.2/2

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.077+/-0.010 χ^2/NDF:2538653.7/16

Out: 32.440+/-0.009 χ^2/NDF:3265141.4/20

All: 32.743+/-0.007 χ^2/NDF: 5806076.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

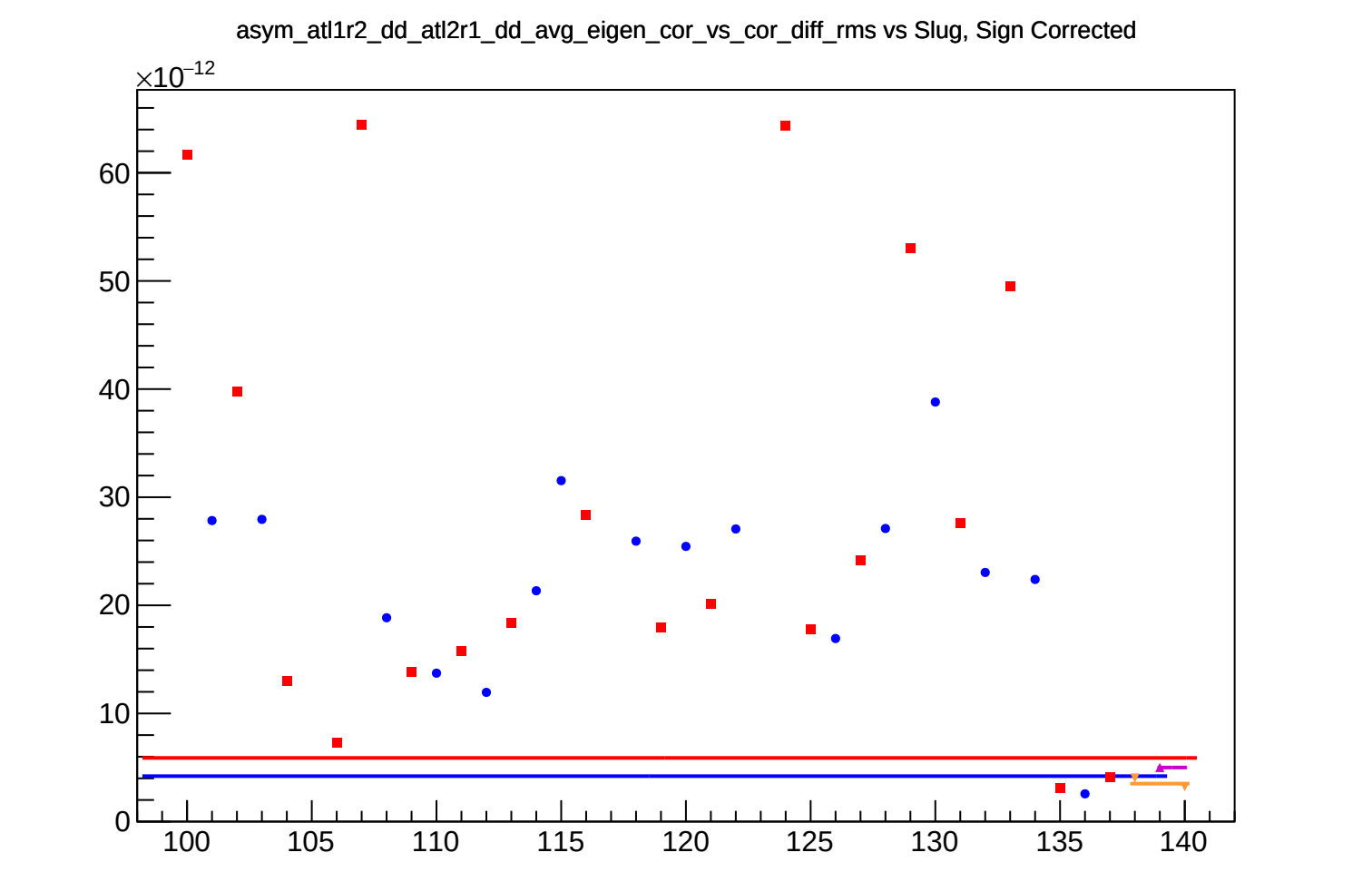
Left: 0.000+/-0.000 χ^2/NDF: 1.6/2

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:10.2/16

Out: -0.000+/-0.000 χ^2/NDF:44.0/20

All: -0.000+/-0.000 χ^2/NDF: 55.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:27633.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

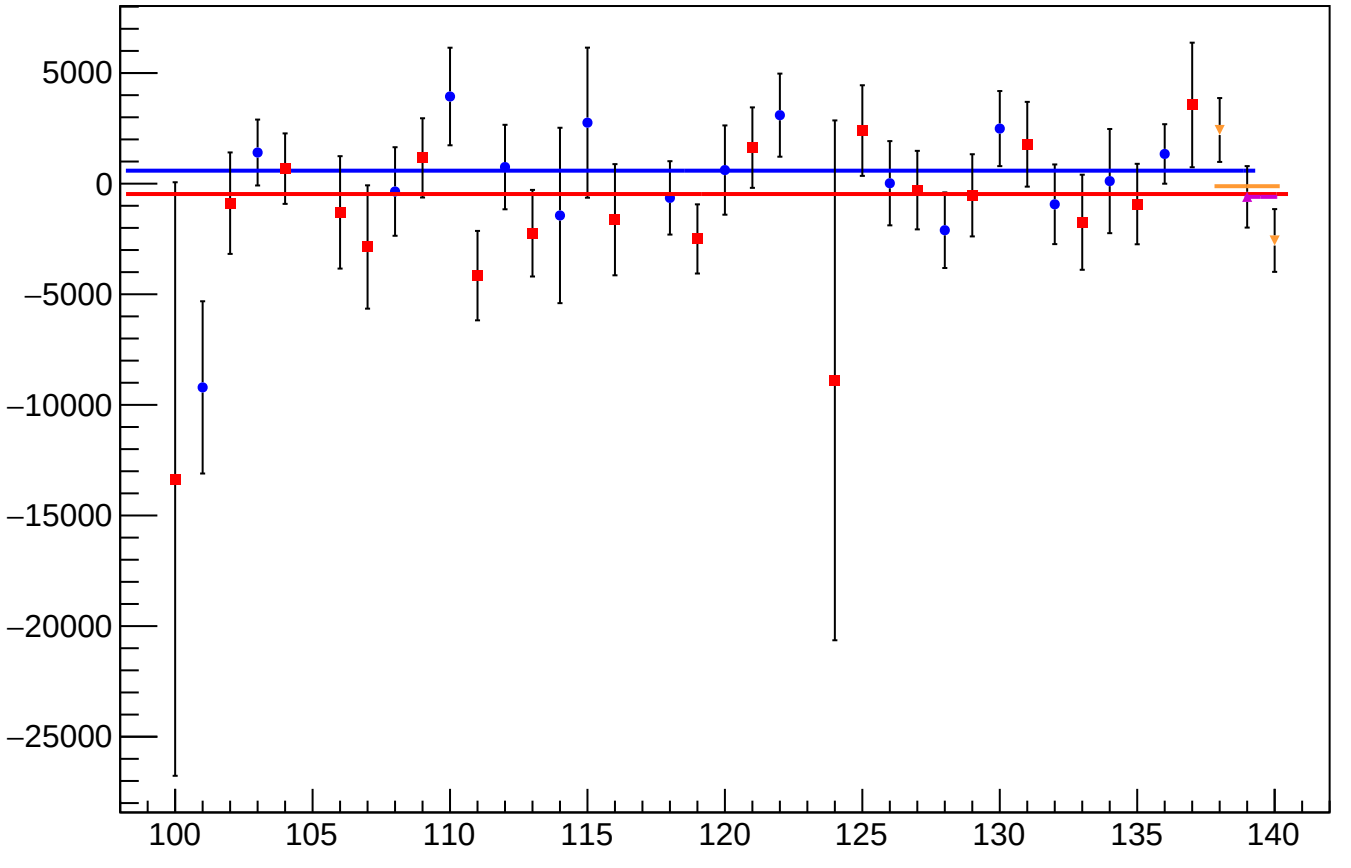
Left: 0.000+/-0.000 χ^2/NDF: 107552.2/2

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5102655.5/16

Out: 0.000+/-0.000 χ^2/NDF:5291341.8/20

All: 0.000+/-0.000 χ^2/NDF: 10394243.3/37



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -115.062+/-1011.922 χ^2/NDF:6.1/1

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -596.547+/-1389.692 χ^2/NDF:0.0/0

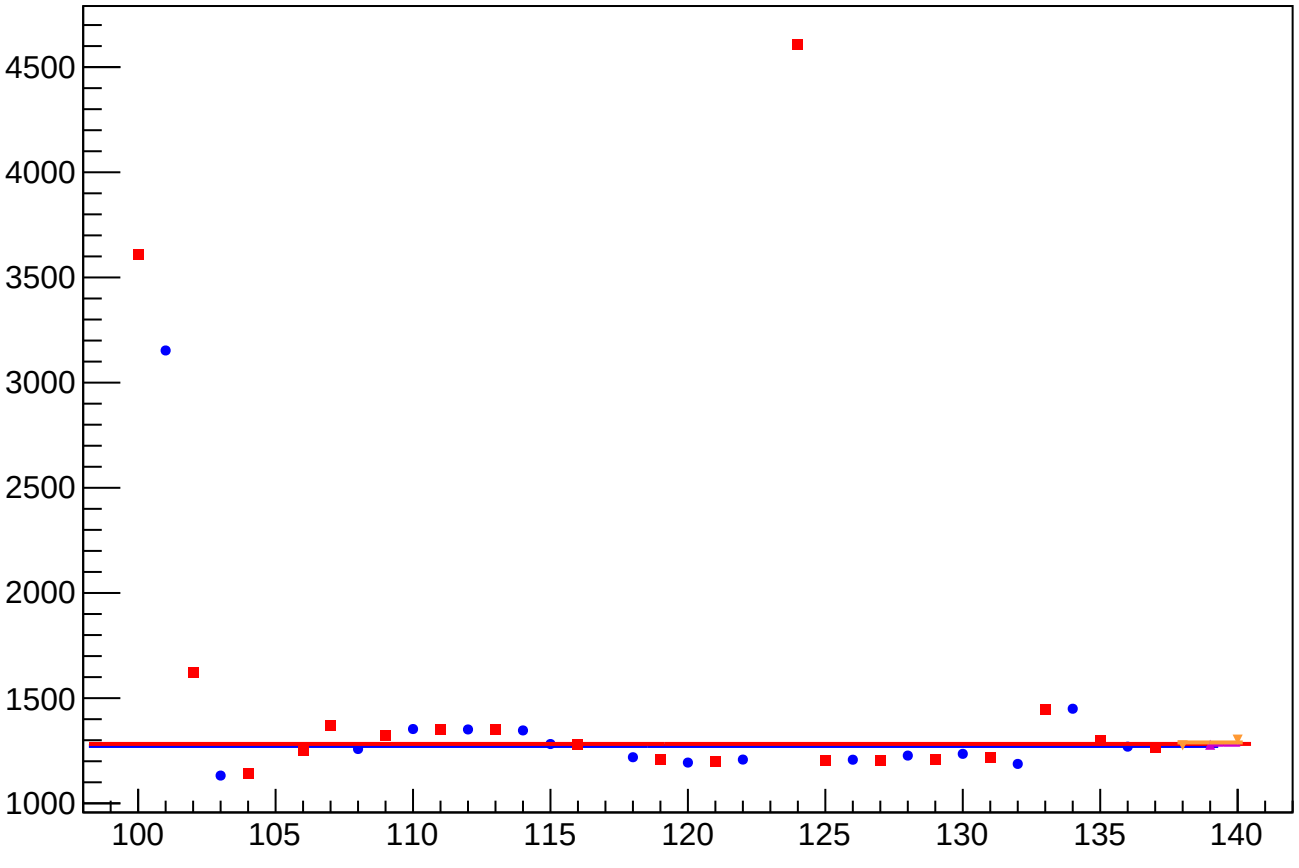
Left: -281.897+/-818.032 χ^2/NDF: 6.2/2

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 459.648+/-455.752 χ^2/NDF:17.7/16

Out: -403.886+/-434.064 χ^2/NDF:23.0/20

All: 6.845+/-314.317 χ^2/NDF: 42.6/37



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1289.372+/-0.716 χ^2/NDF:368.5/1

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1278.513+/-0.983 χ^2/NDF:0.0/0

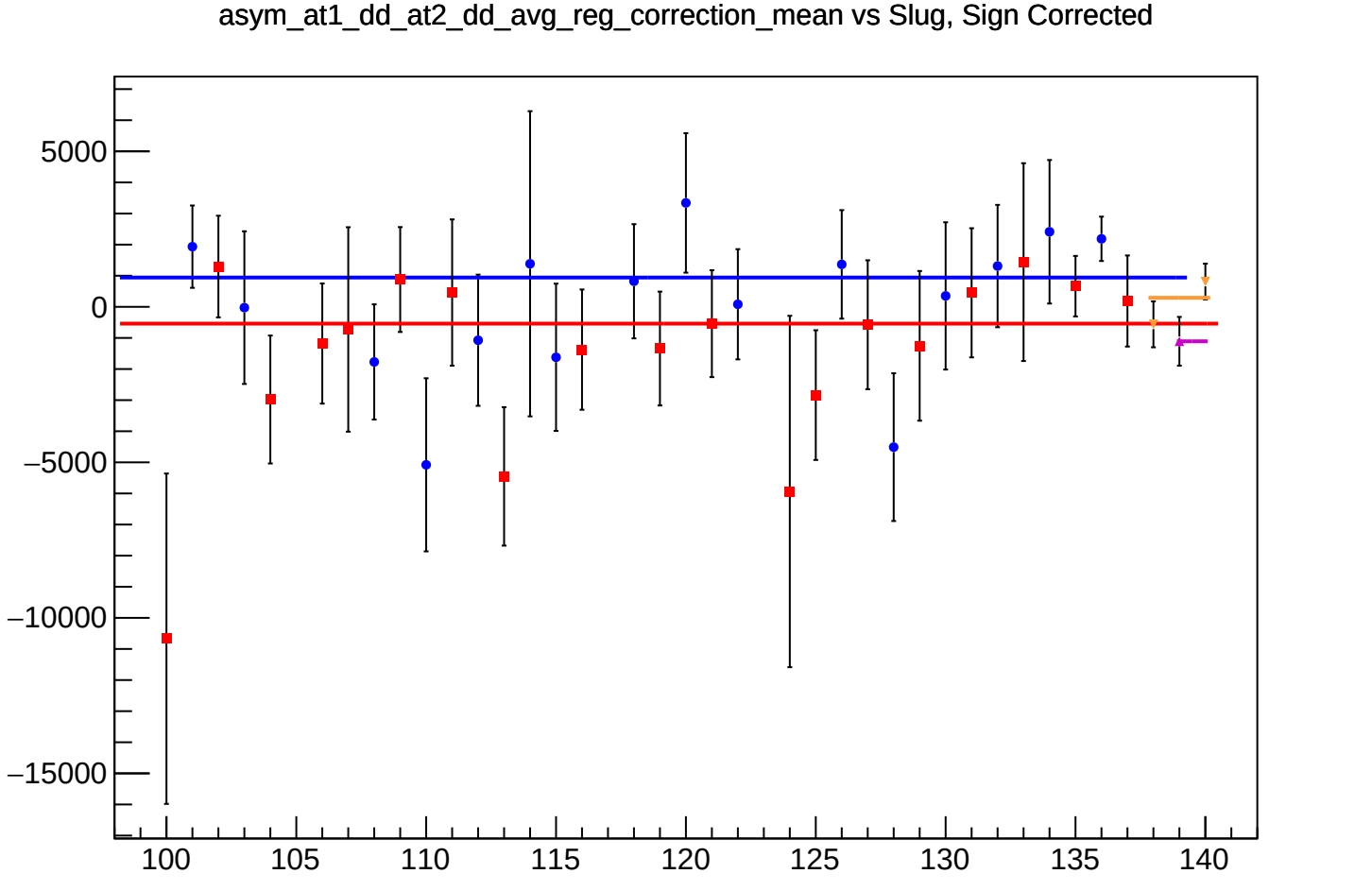
Left: 1285.610+/-0.578 χ^2/NDF: 448.3/2

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1273.418+/-0.322 χ^2/NDF:519328.3/16

Out: 1283.654+/-0.307 χ^2/NDF:322525.4/20

All: 1278.786+/-0.222 χ^2/NDF: 842382.7/37



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 291.098+/-454.354 χ^2/NDF:2.1/1

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -1108.155+/-784.028 χ^2/NDF:0.0/0

Left: -60.681+/-393.114 χ^2/NDF: 4.5/2

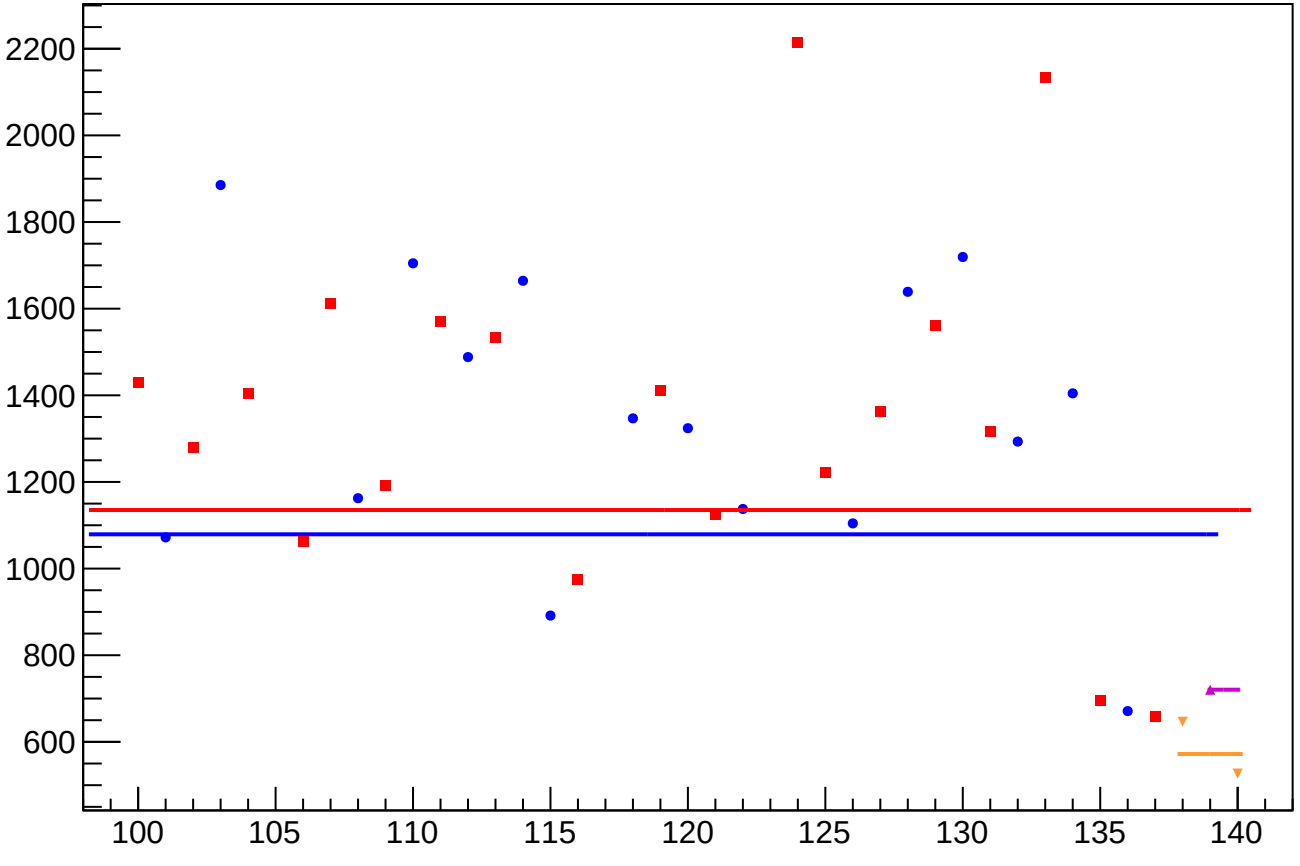
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 474.789+/-374.204 χ^2/NDF:25.2/16

Out: -138.197+/-316.045 χ^2/NDF:21.0/20

All: 117.011+/-241.452 χ^2/NDF: 47.8/37

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 572.010+/-0.321 χ^2/NDF:32656.8/1

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 720.387+/-0.554 χ^2/NDF:0.0/0

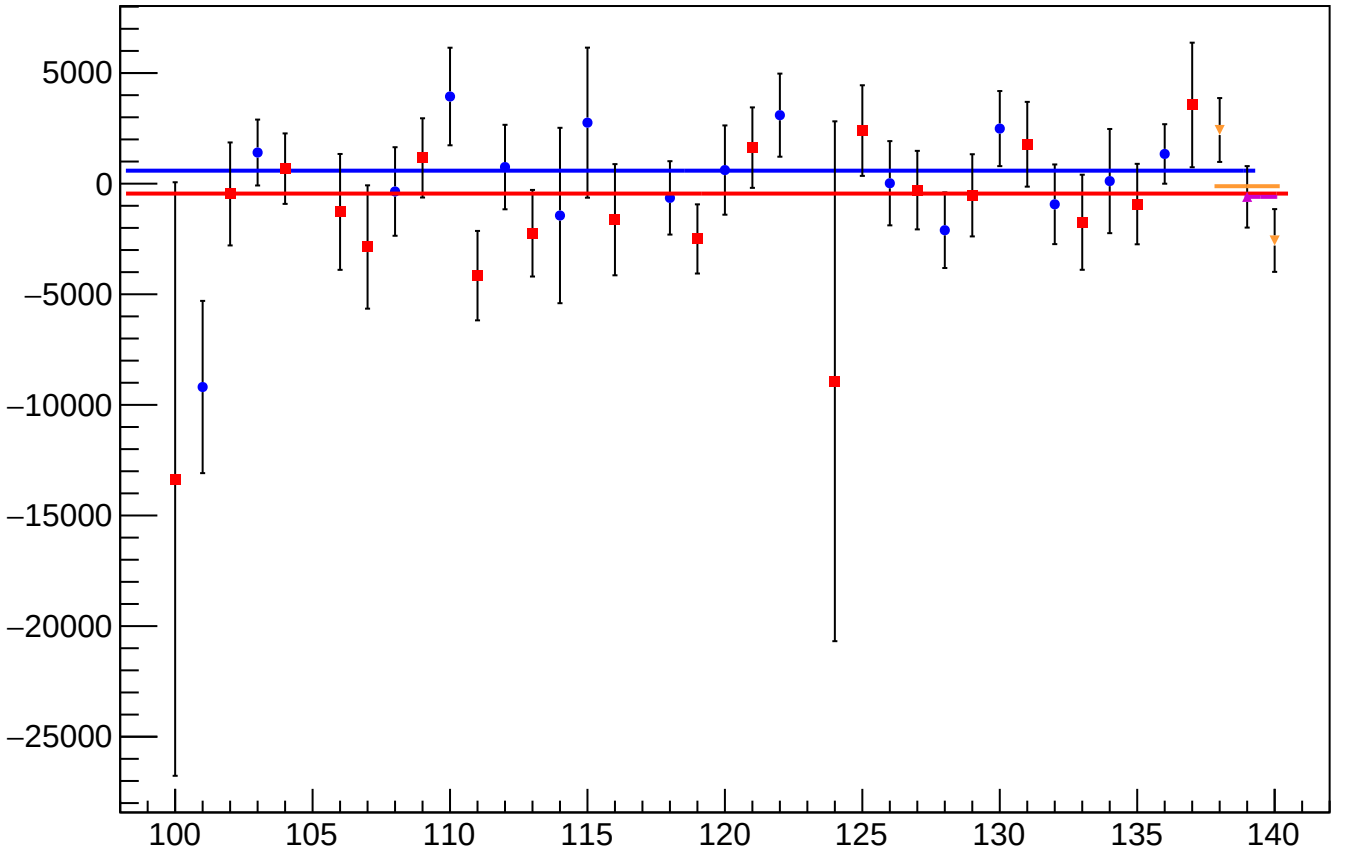
Left: 609.312+/-0.278 χ^2/NDF: 86279.6/2

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 997.400+/-0.265 χ^2/NDF:1805556.6/16

Out: 862.682+/-0.223 χ^2/NDF:2911617.0/20

All: 918.770+/-0.171 χ^2/NDF: 4868470.2/37



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF:6.1/1

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -596.369+/-1389.692 χ^2/NDF:0.0/0

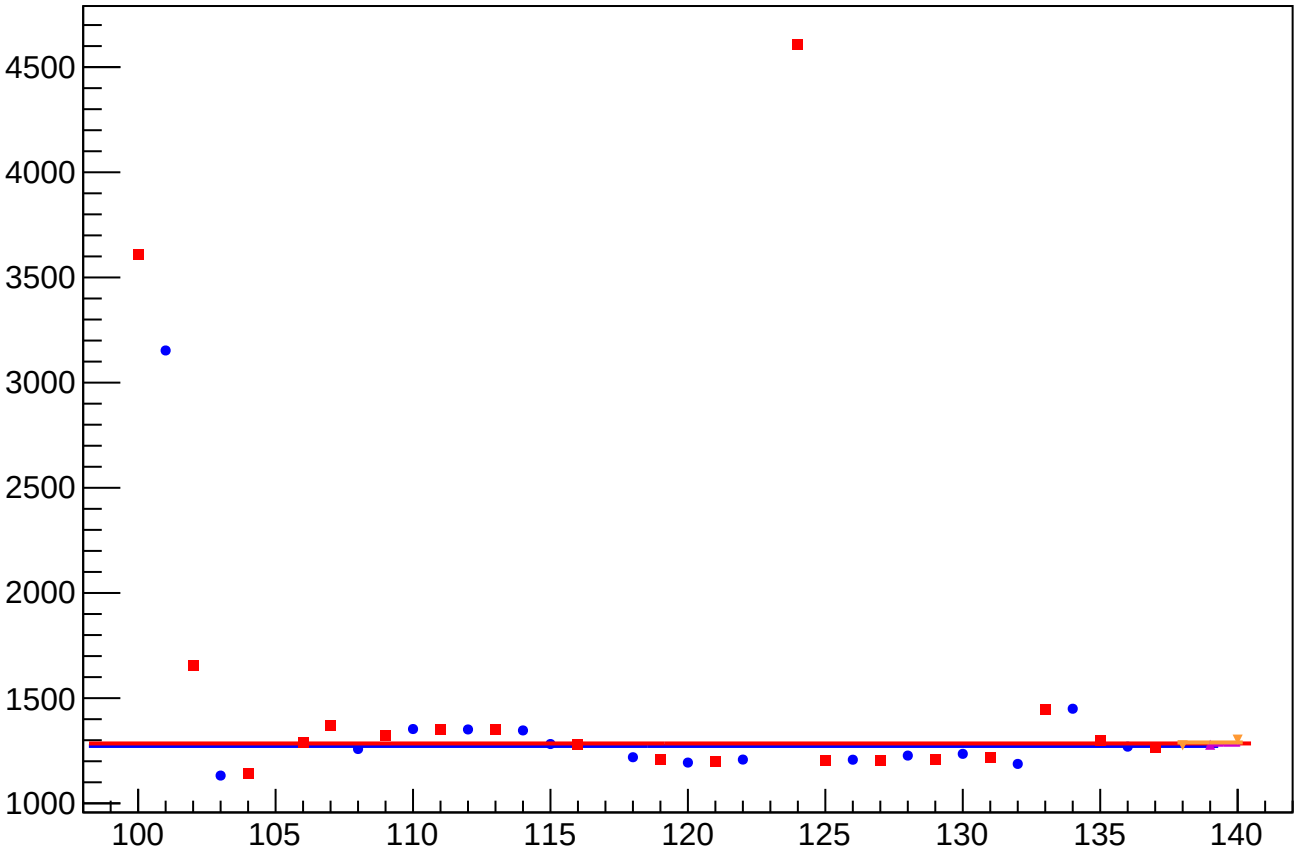
Left: -281.863+/-818.032 χ^2/NDF: 6.2/2

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 459.953+/-455.752 χ^2/NDF:17.7/16

Out: -386.914+/-434.666 χ^2/NDF:23.0/20

All: 16.475+/-314.546 χ^2/NDF: 42.5/37



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1289.372+/-0.716 χ^2/NDF:368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1278.513+/-0.983 χ^2/NDF:0.0/0

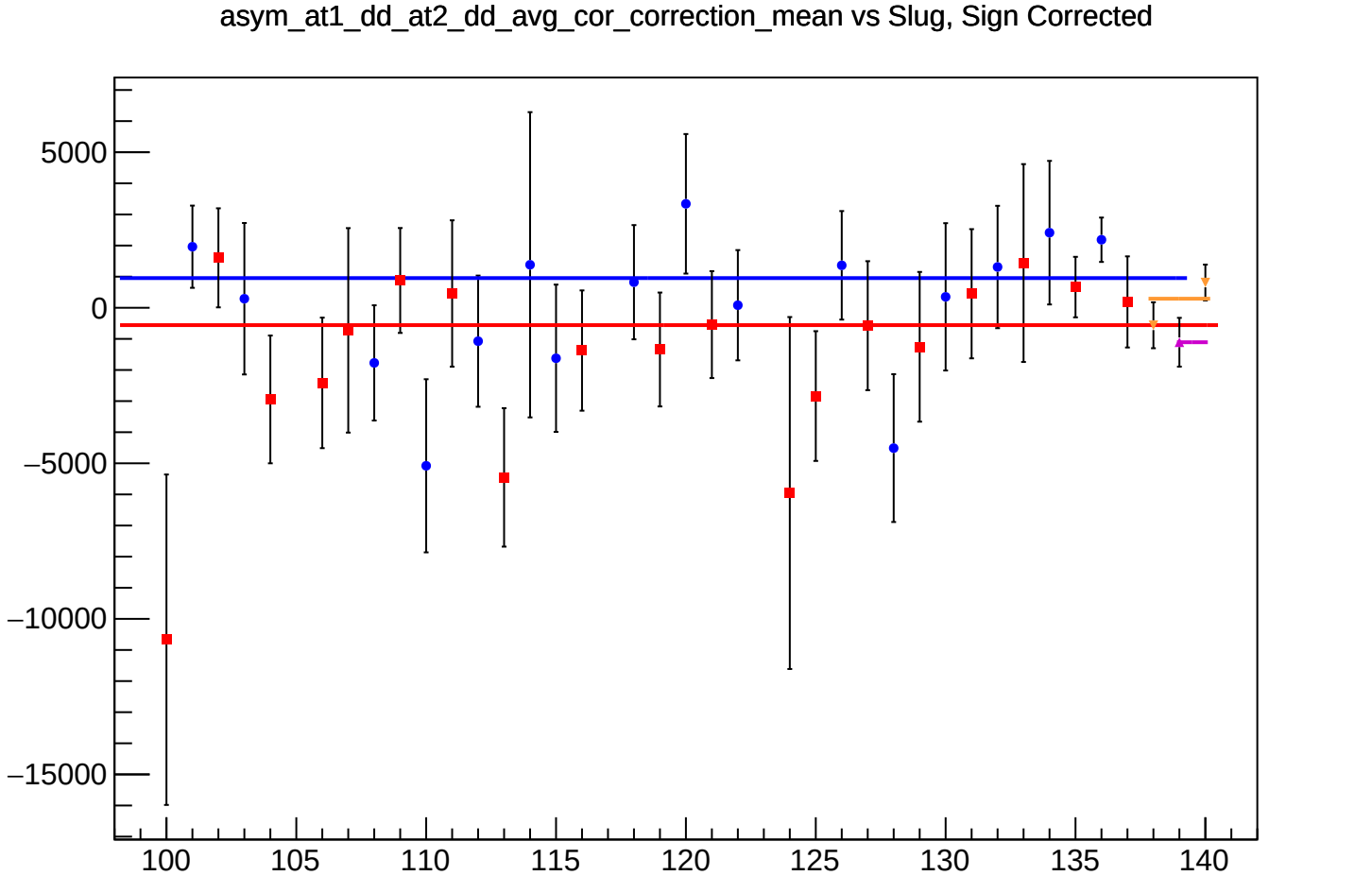
Left: 1285.610+/-0.578 χ^2/NDF: 448.3/2

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1273.418+/-0.322 χ^2/NDF:519329.7/16

Out: 1285.525+/-0.307 χ^2/NDF:329138.9/20

All: 1279.758+/-0.222 χ^2/NDF: 849207.7/37



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 291.304+/-454.368 χ^2/NDF:2.1/1

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -1108.049+/-784.021 χ^2/NDF:0.0/0

Left: -60.521+/-393.122 χ^2/NDF: 4.5/2

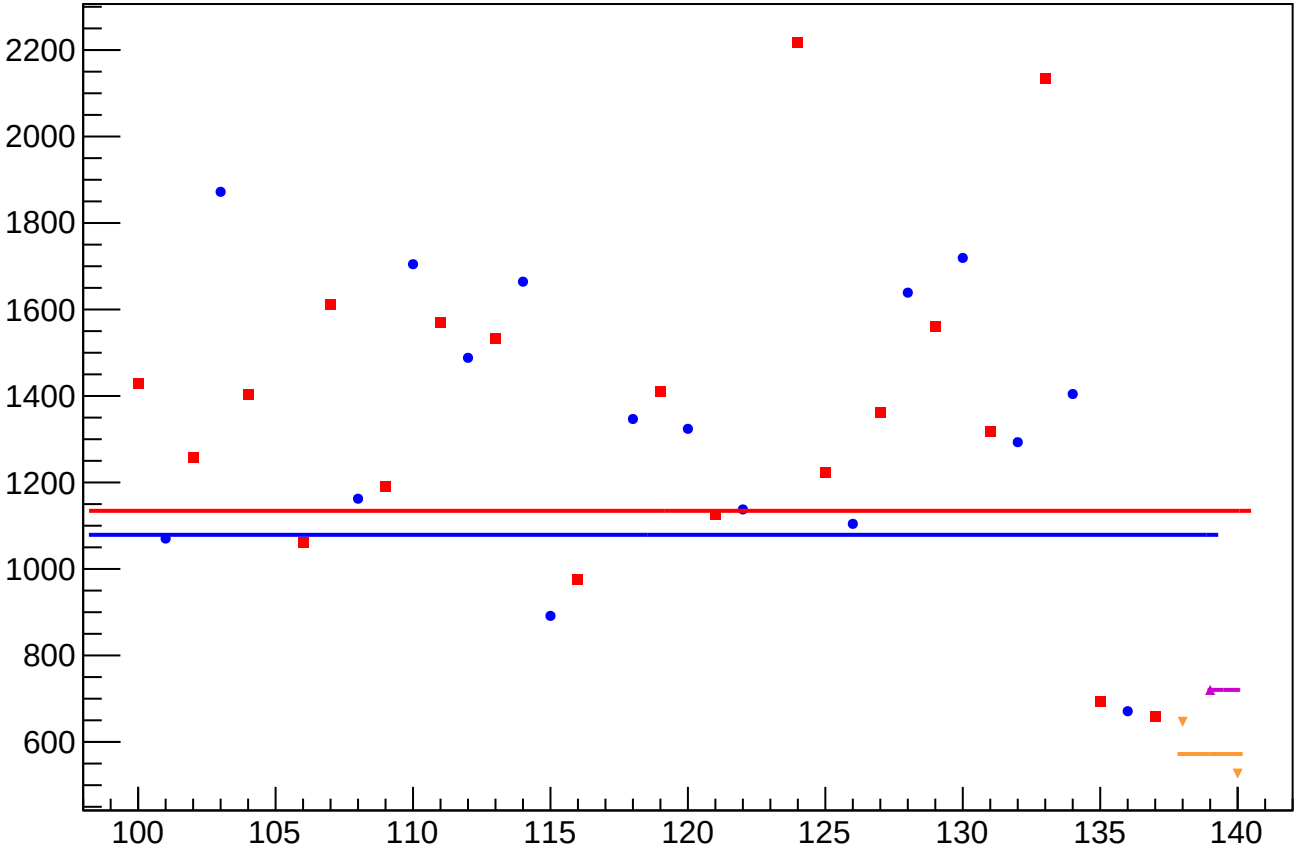
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 484.673+/-374.083 χ^2/NDF:25.2/16

Out: -146.225+/-316.365 χ^2/NDF:22.3/20

All: 116.850+/-241.562 χ^2/NDF: 49.2/37

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 572.029+/-0.321 χ^2/NDF:32638.6/1

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 720.381+/-0.554 χ^2/NDF:0.0/0

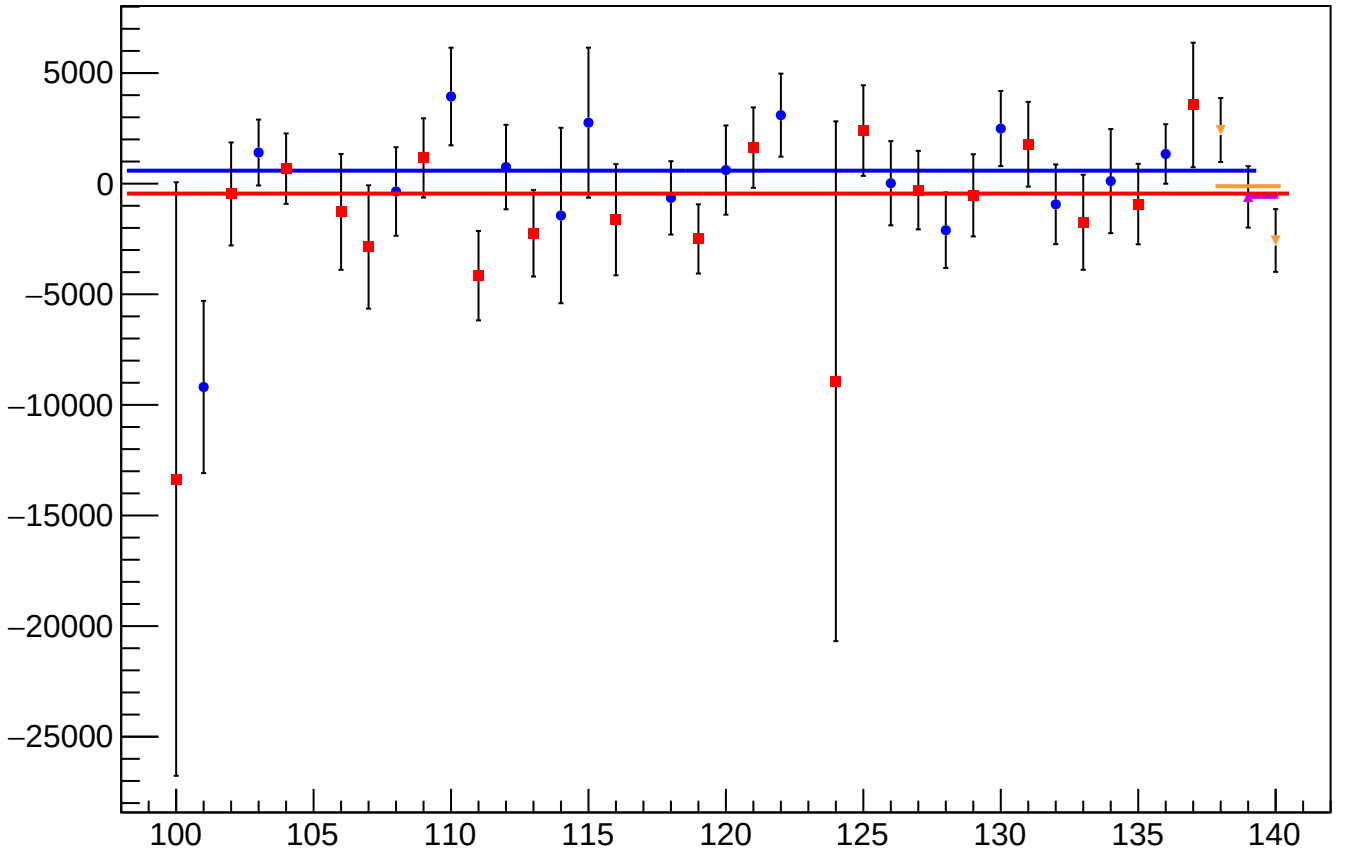
Left: 609.328+/-0.278 χ^2/NDF: 86242.8/2

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 997.305+/-0.265 χ^2/NDF:1801782.3/16

Out: 861.778+/-0.224 χ^2/NDF:2900166.1/20

All: 918.291+/-0.171 χ^2/NDF: 4854996.3/37



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF:6.1/1

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -596.369+/-1389.692 χ^2/NDF:0.0/0

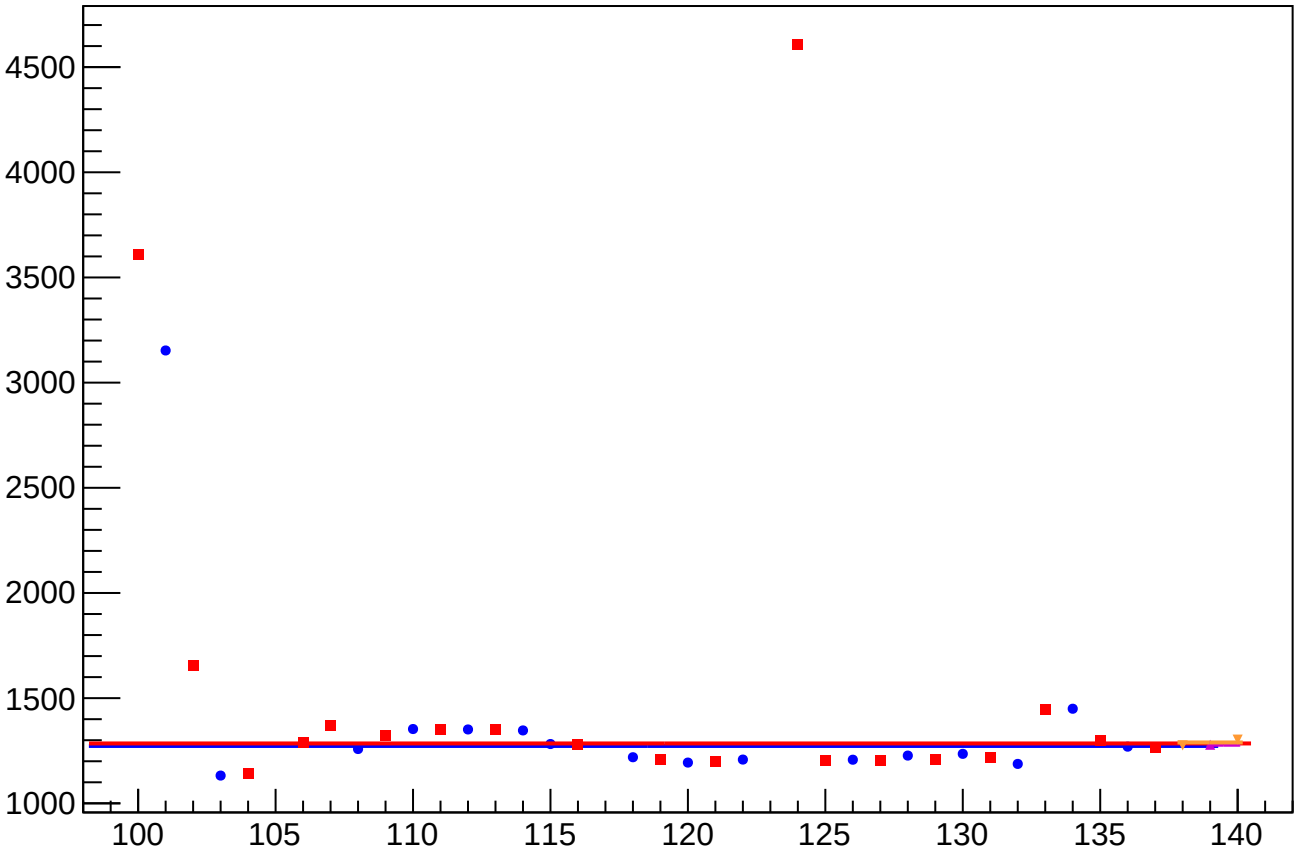
Left: -281.863+/-818.032 χ^2/NDF: 6.2/2

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 459.953+/-455.752 χ^2/NDF:17.7/16

Out: -386.914+/-434.666 χ^2/NDF:23.0/20

All: 16.475+/-314.546 χ^2/NDF: 42.5/37



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1289.372+/-0.716 χ^2/NDF:368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1278.513+/-0.983 χ^2/NDF:0.0/0

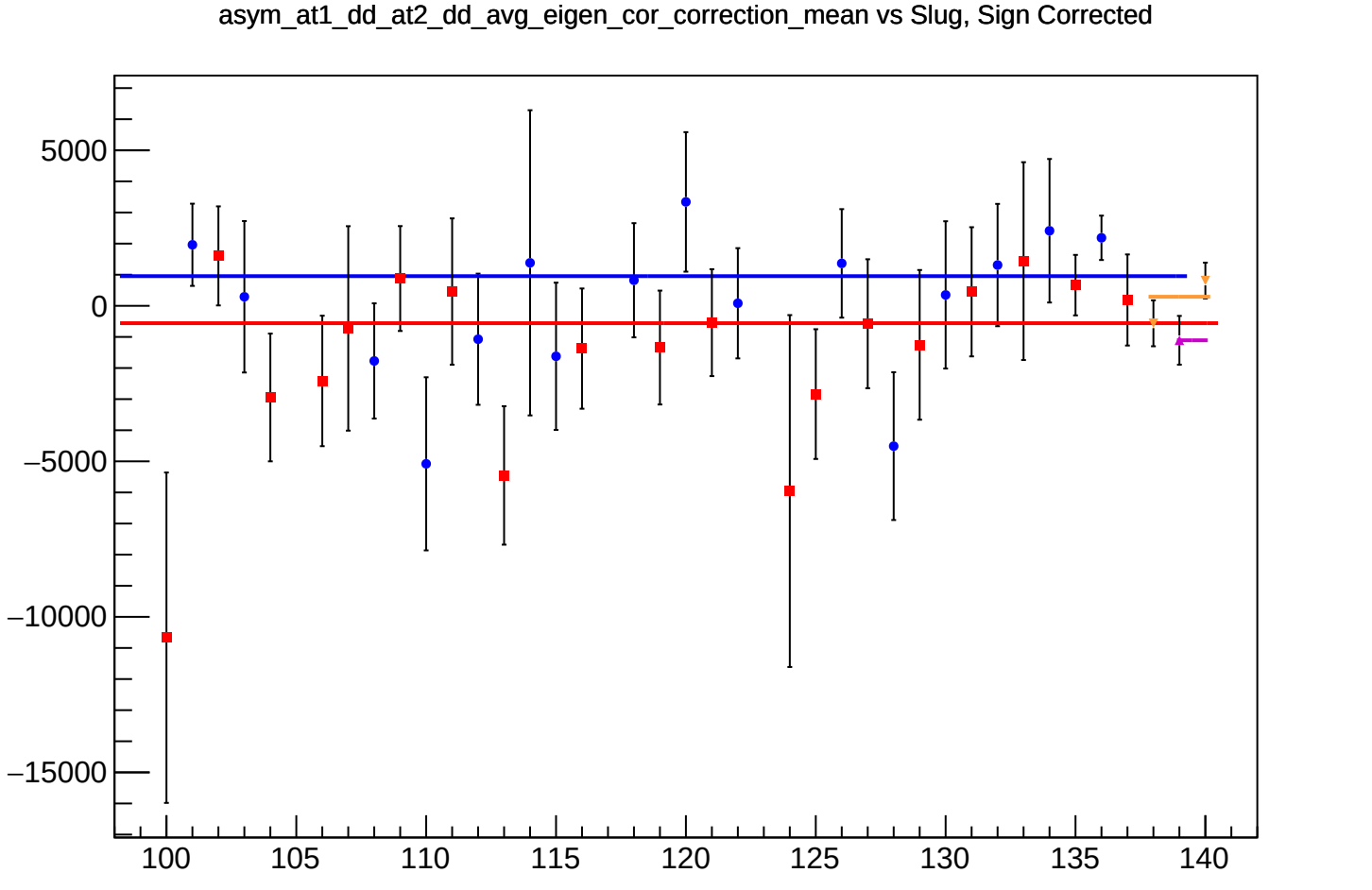
Left: 1285.610+/-0.578 χ^2/NDF: 448.3/2

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

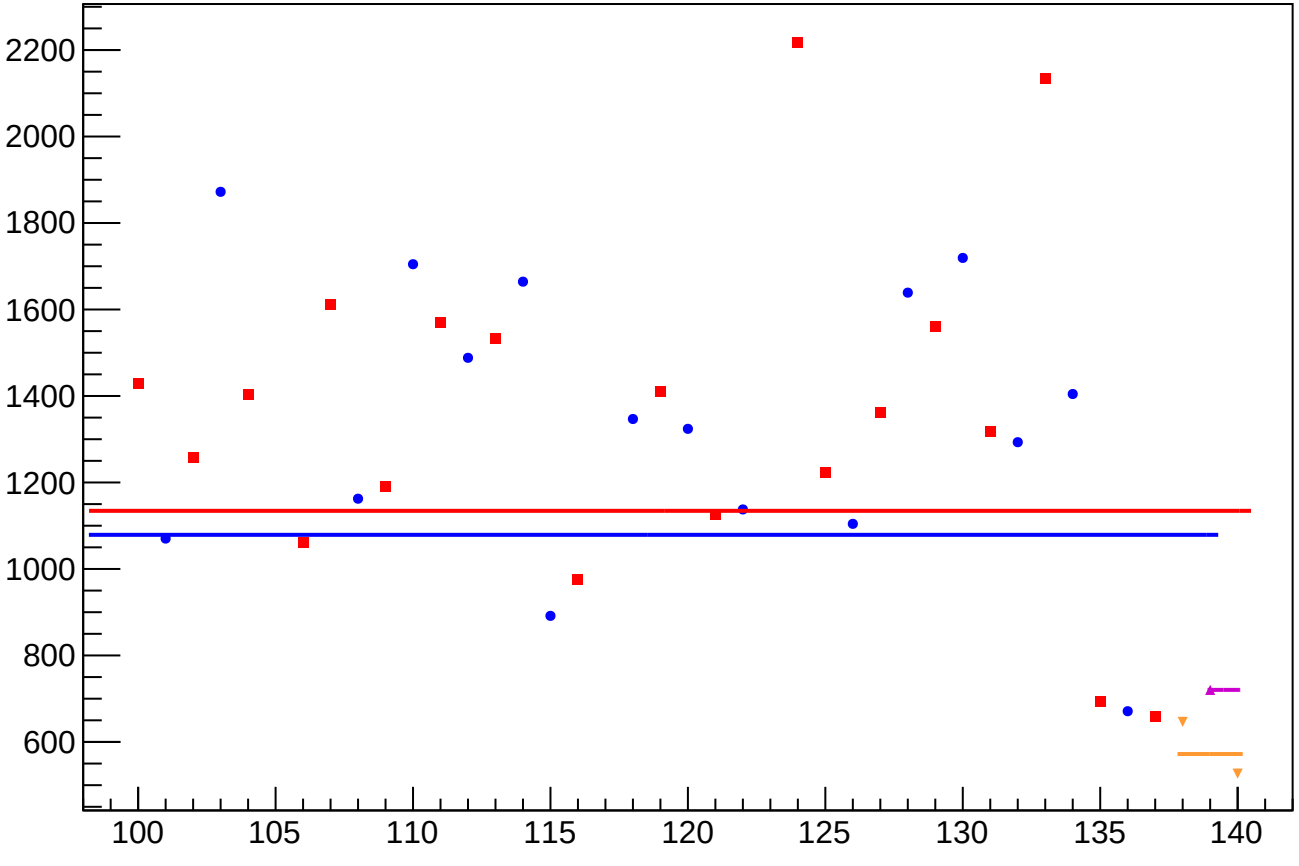
In: 1273.418+/-0.322 χ^2/NDF:519329.7/16

Out: 1285.525+/-0.307 χ^2/NDF:329138.9/20

All: 1279.758+/-0.222 χ^2/NDF: 849207.7/37


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 291.304+/-454.368 χ²/NDF:2.1/1
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -1108.049+/-784.021 χ²/NDF:0.0/0
Left: -60.521+/-393.122 χ²/NDF: 4.5/2
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 484.673+/-374.083 χ²/NDF:25.2/16
Out: -146.225+/-316.365 χ²/NDF:22.3/20
All: 116.850+/-241.562 χ²/NDF: 49.2/37

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 572.029+/-0.321 χ^2/NDF:32638.6/1

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 720.381+/-0.554 χ^2/NDF:0.0/0

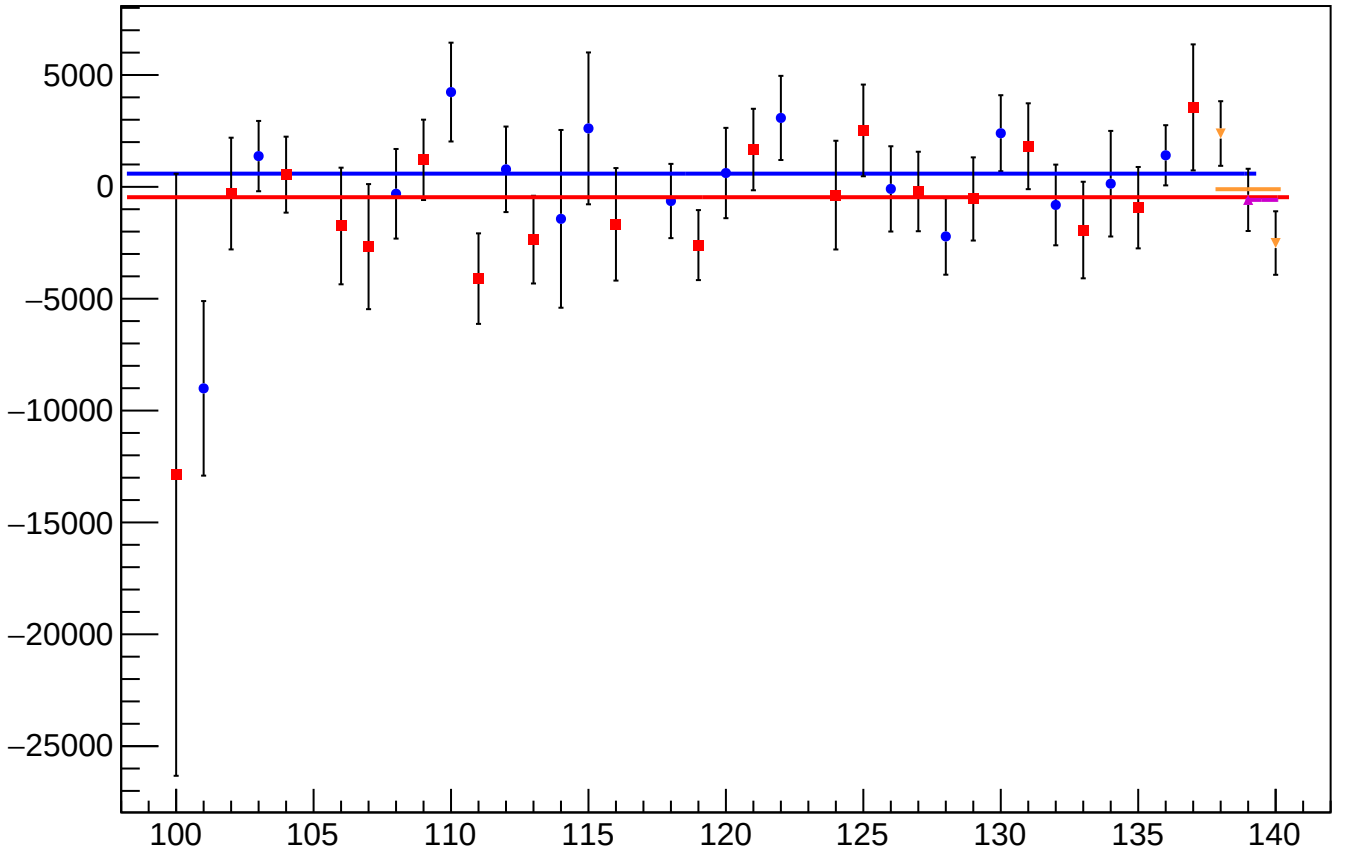
Left: 609.328+/-0.278 χ^2/NDF: 86242.8/2

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 997.305+/-0.265 χ^2/NDF:1801782.3/16

Out: 861.778+/-0.224 χ^2/NDF:2900166.1/20

All: 918.291+/-0.171 χ^2/NDF: 4854996.3/37



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -105.070+/-1012.604 χ^2/NDF:5.8/1

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -582.308+/-1390.514 χ^2/NDF:0.0/0

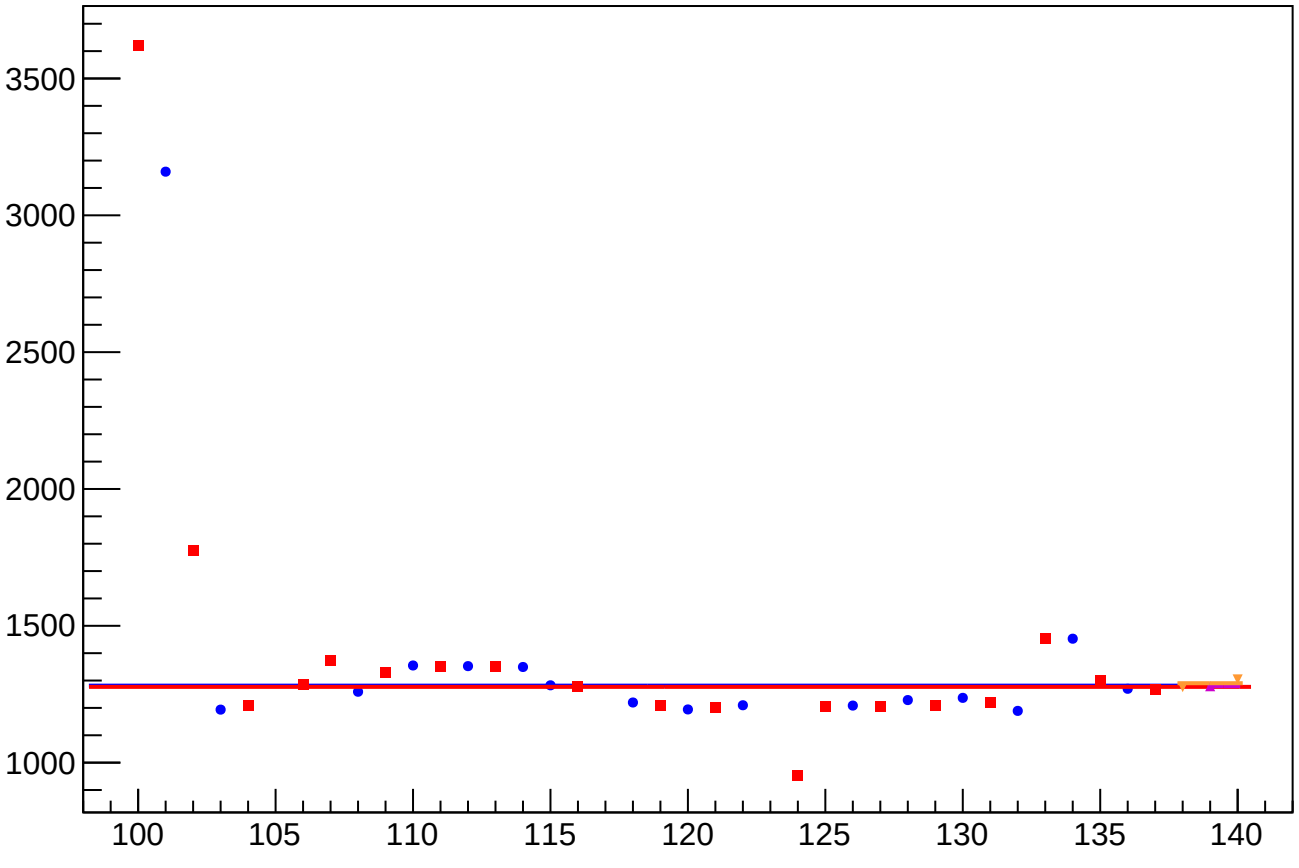
Left: -270.451+/-818.559 χ^2/NDF: 5.9/2

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 462.911+/-458.350 χ^2/NDF:17.7/16

Out: -397.722+/-431.368 χ^2/NDF:22.6/20

All: 6.519+/-314.129 χ^2/NDF: 42.3/37



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1290.238+/-0.716 χ^2/NDF:387.0/1

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1279.253+/-0.983 χ^2/NDF:0.0/0

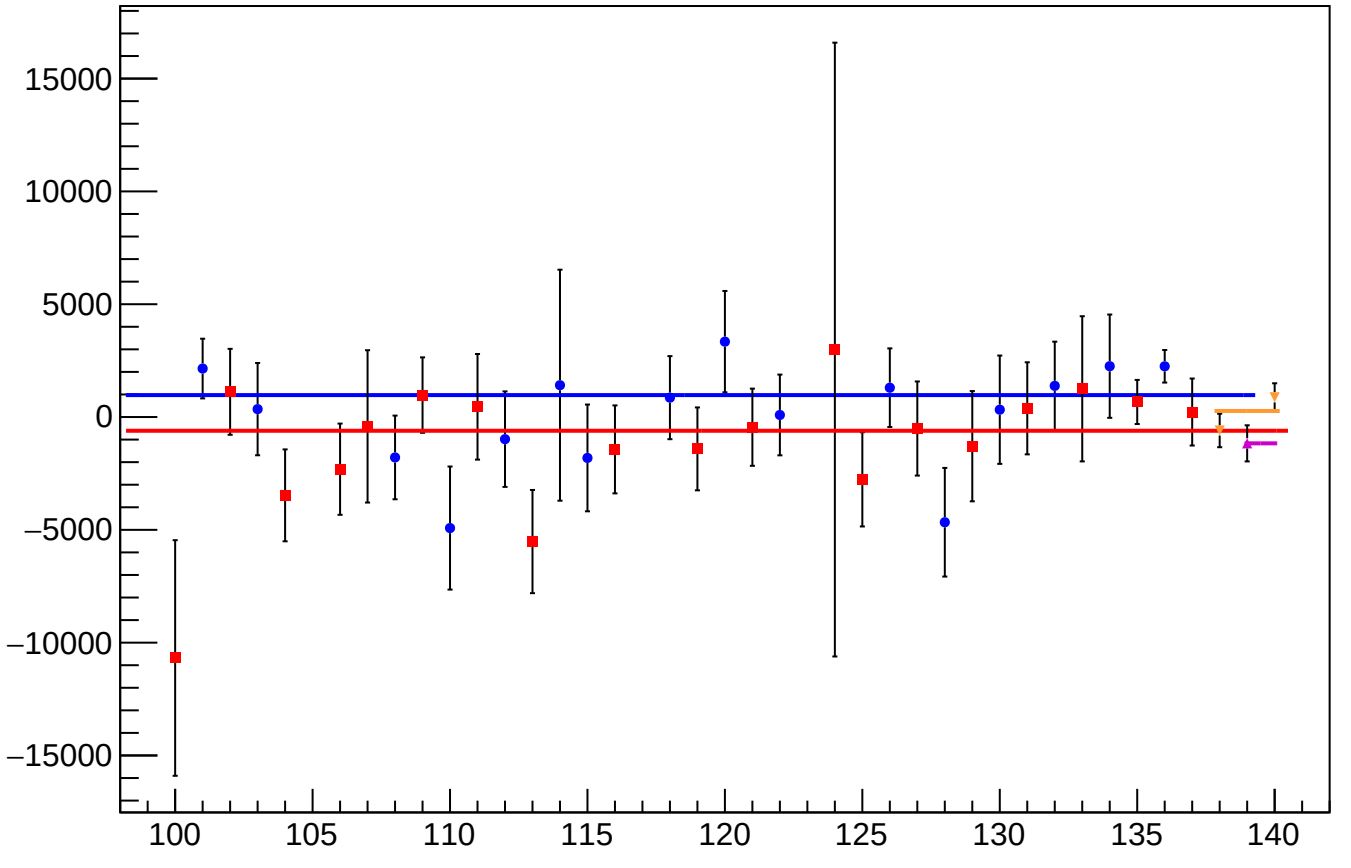
Left: 1286.431+/-0.579 χ^2/NDF: 468.6/2

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1281.139+/-0.324 χ^2/NDF:507082.6/16

Out: 1279.288+/-0.305 χ^2/NDF:221186.3/20

All: 1280.157+/-0.222 χ^2/NDF: 728286.2/37



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 268.805+/-476.626 χ^2/NDF:2.3/1

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -1166.597+/-800.680 χ^2/NDF:0.0/0

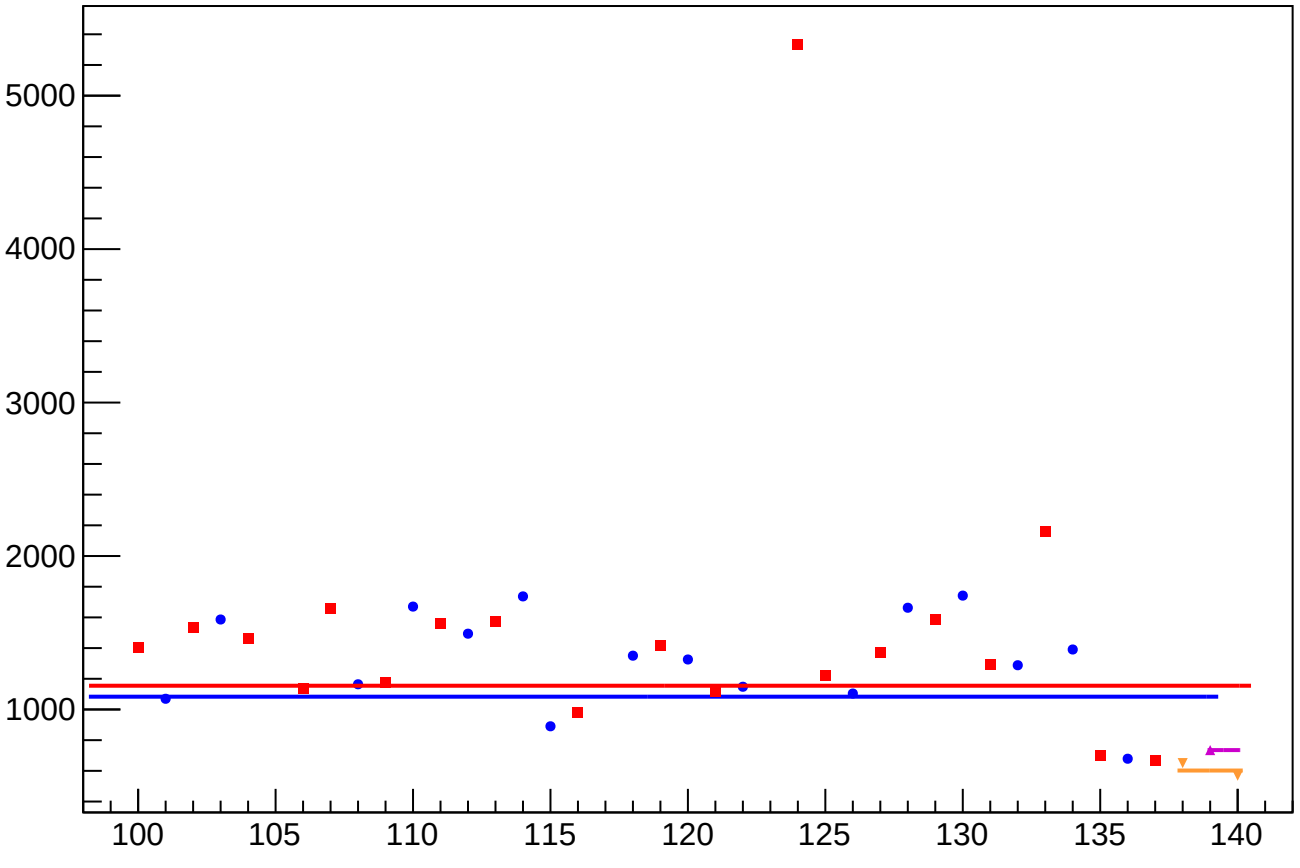
Left: -106.754+/-409.554 χ^2/NDF: 4.7/2

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 501.751+/-375.545 χ^2/NDF:26.0/16

Out: -197.205+/-326.332 χ^2/NDF:21.2/20

All: 103.505+/-246.326 χ^2/NDF: 49.2/37



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 602.065+/-0.337 χ^2/NDF:14404.4/1

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 735.334+/-0.566 χ^2/NDF:0.0/0

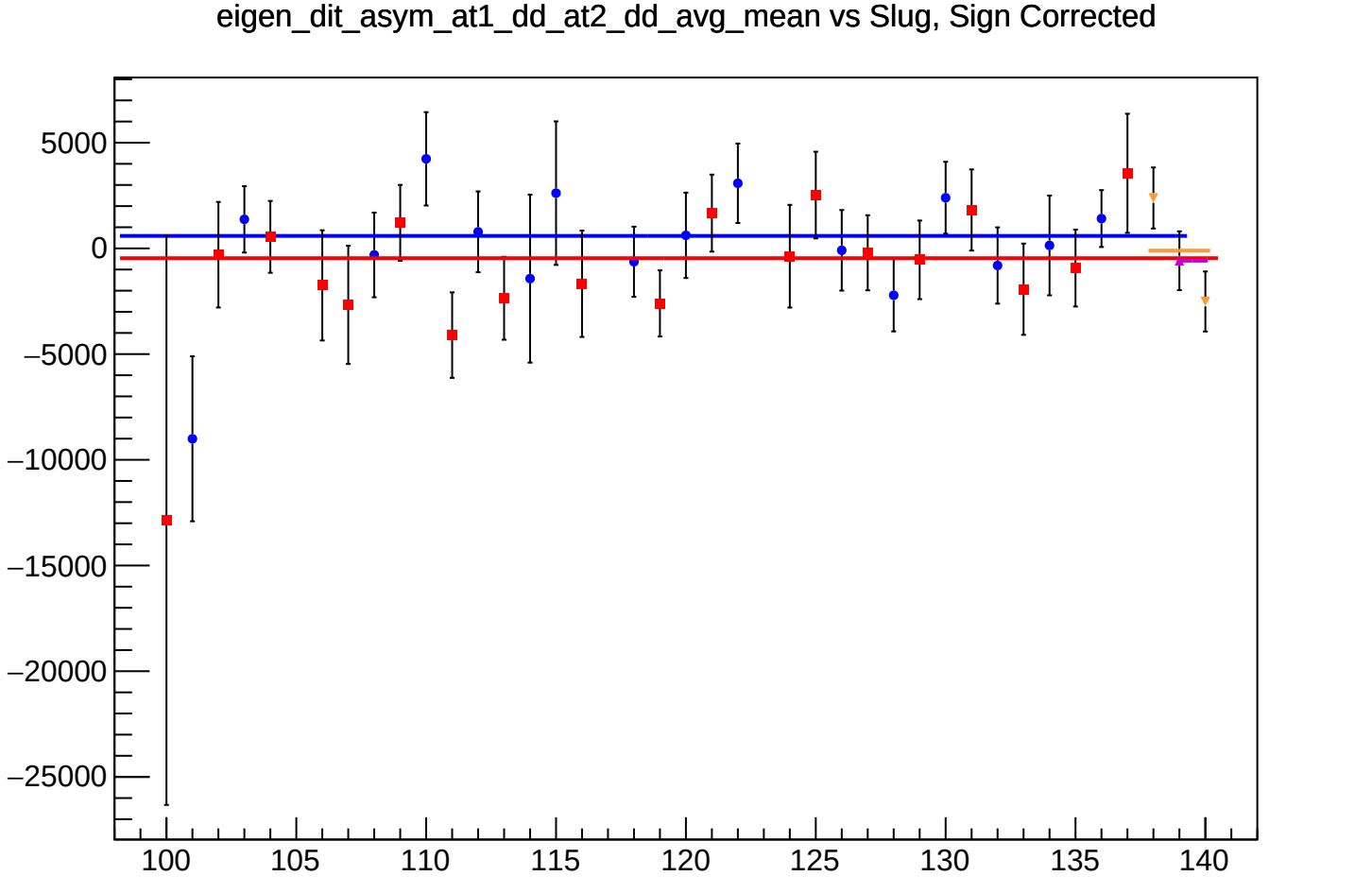
Left: 636.933+/-0.290 χ^2/NDF: 55315.7/2

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 1006.778+/-0.266 χ^2/NDF:1654846.4/16

Out: 895.652+/-0.231 χ^2/NDF:2931173.2/20

All: 943.461+/-0.174 χ^2/NDF: 4685798.6/37



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -105.078+/-1012.604 χ^2/NDF:5.8/1

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -582.327+/-1390.514 χ^2/NDF:0.0/0

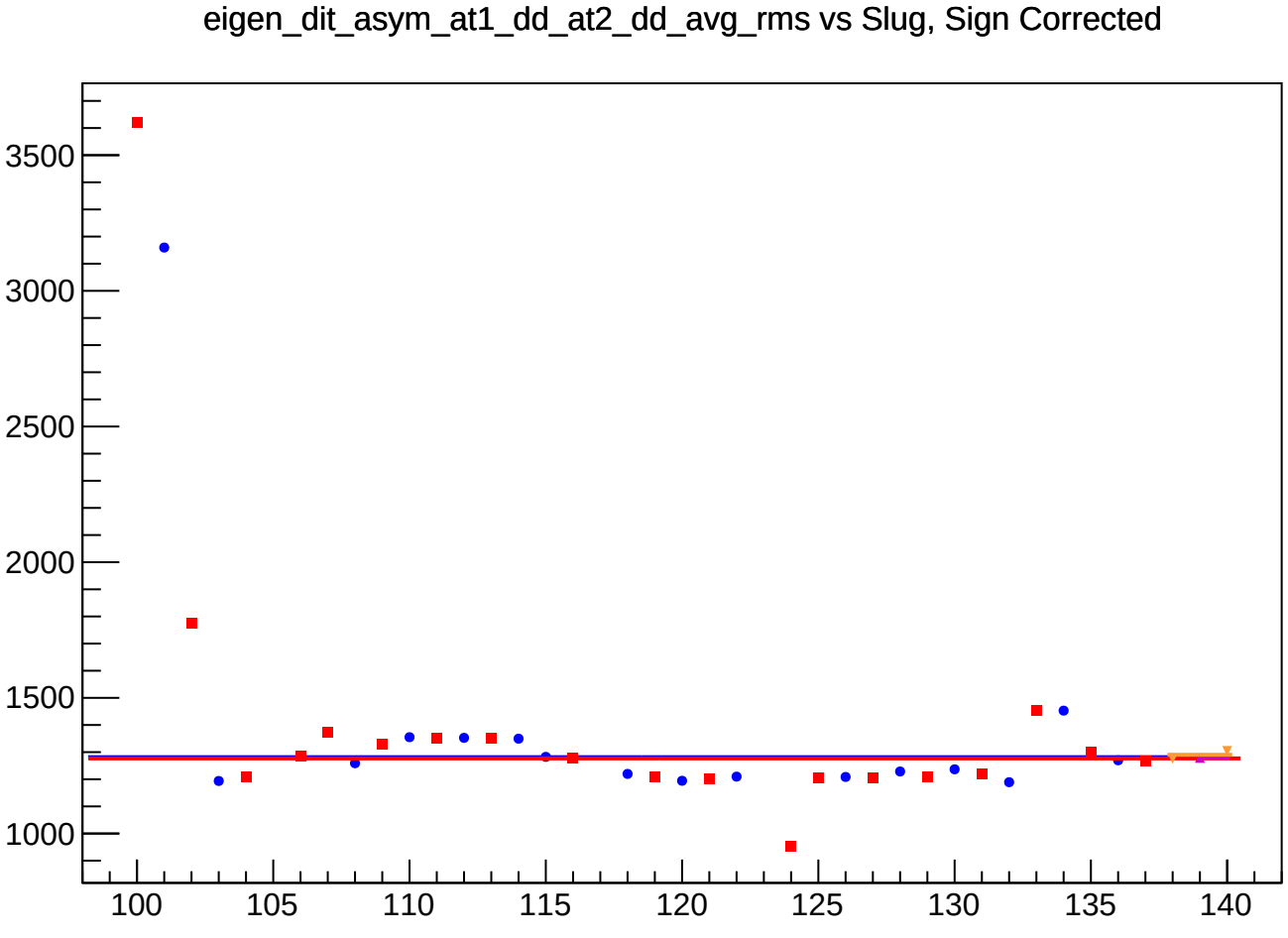
Left: -270.462+/-818.559 χ^2/NDF: 5.9/2

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 462.911+/-458.350 χ^2/NDF:17.7/16

Out: -397.723+/-431.368 χ^2/NDF:22.6/20

All: 6.518+/-314.129 χ^2/NDF: 42.3/37



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1290.238+/-0.716 χ^2/NDF:387.0/1

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1279.254+/-0.983 χ^2/NDF:0.0/0

Left: 1286.431+/-0.579 χ^2/NDF: 468.6/2

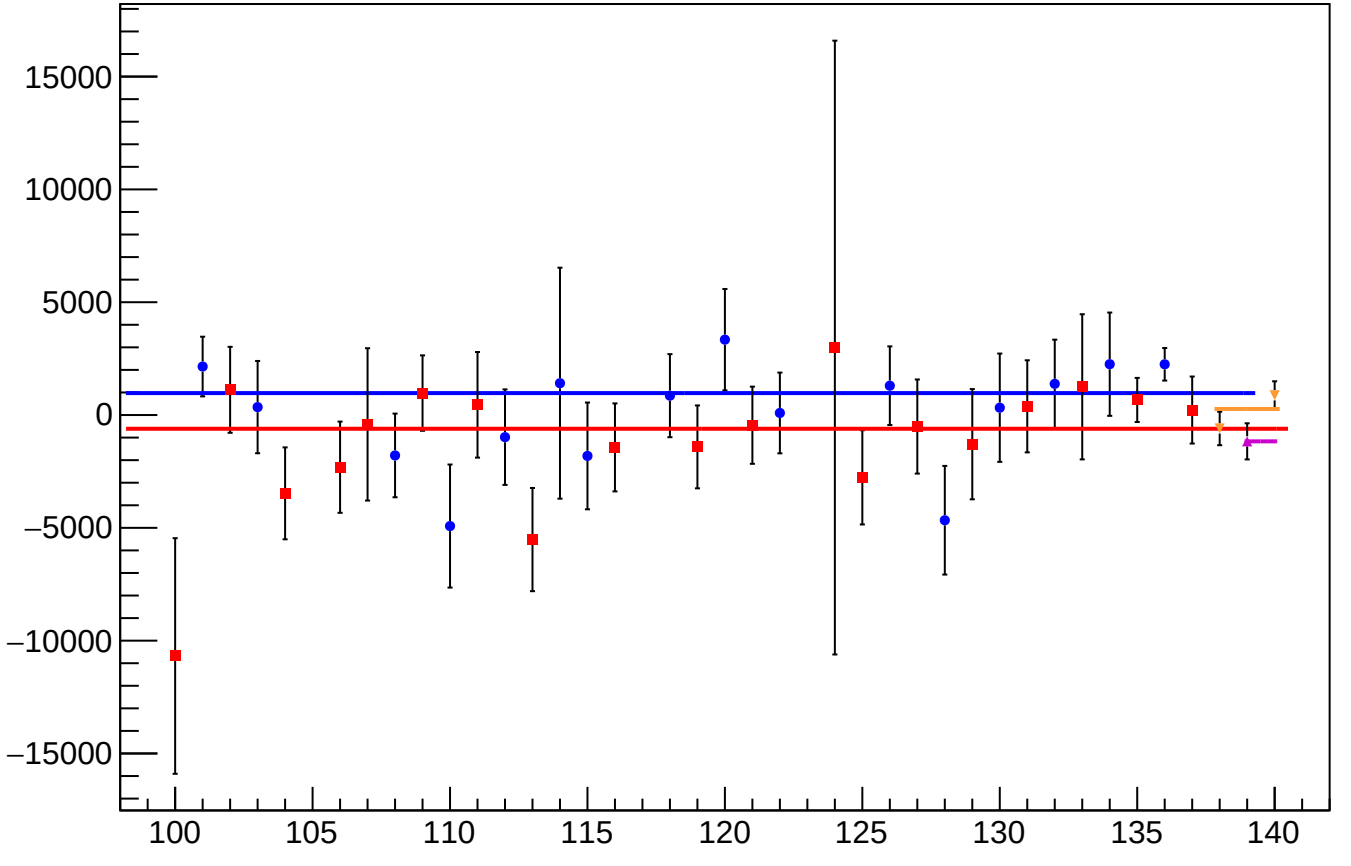
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1281.139+/-0.324 χ^2/NDF:507082.7/16

Out: 1279.288+/-0.305 χ^2/NDF:221186.2/20

All: 1280.157+/-0.222 χ^2/NDF: 728286.2/37

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 268.810+/-476.631 χ^2/NDF:2.3/1

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -1166.613+/-800.693 χ^2/NDF:0.0/0

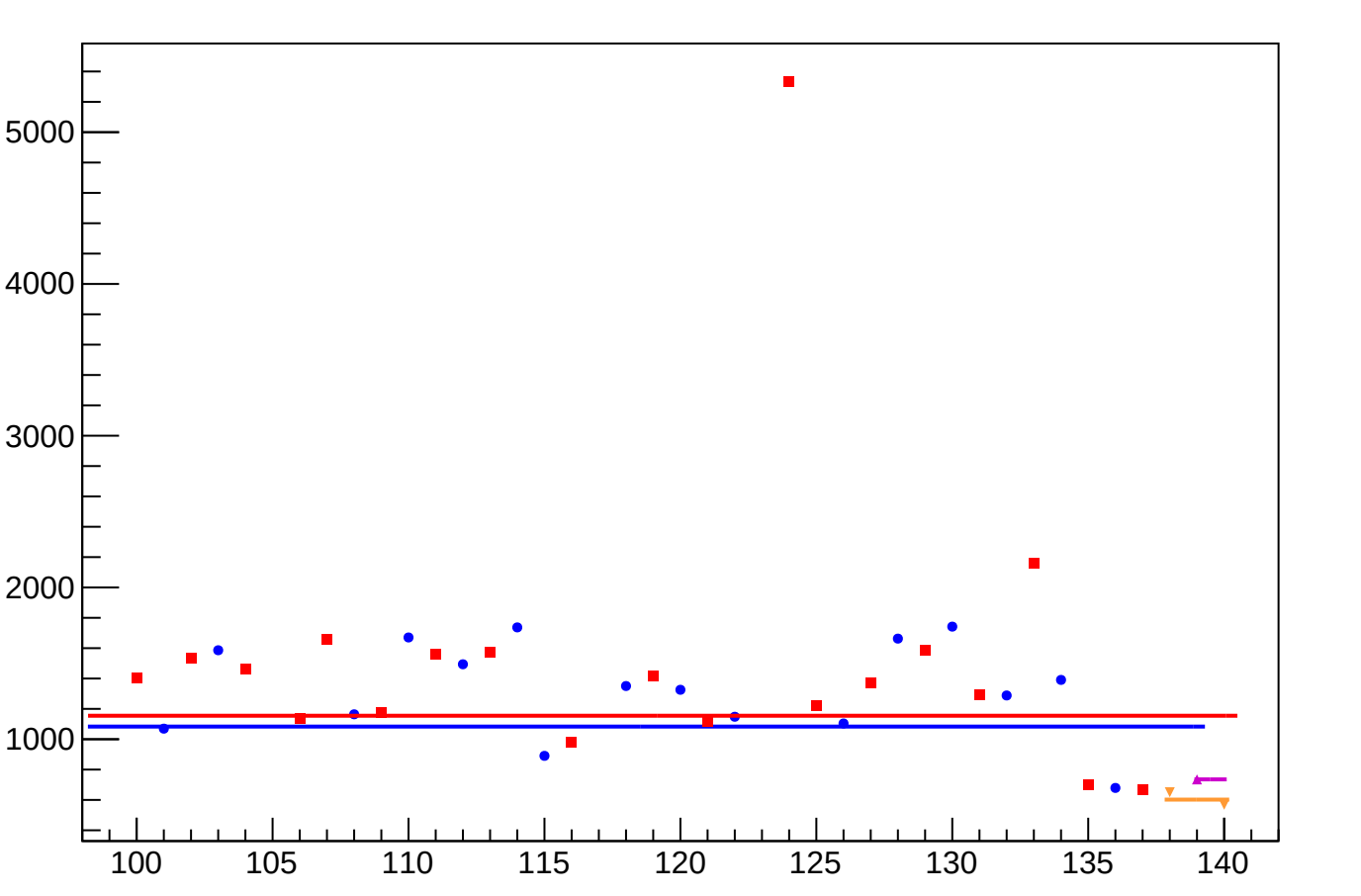
Left: -106.752+/-409.559 χ^2/NDF: 4.7/2

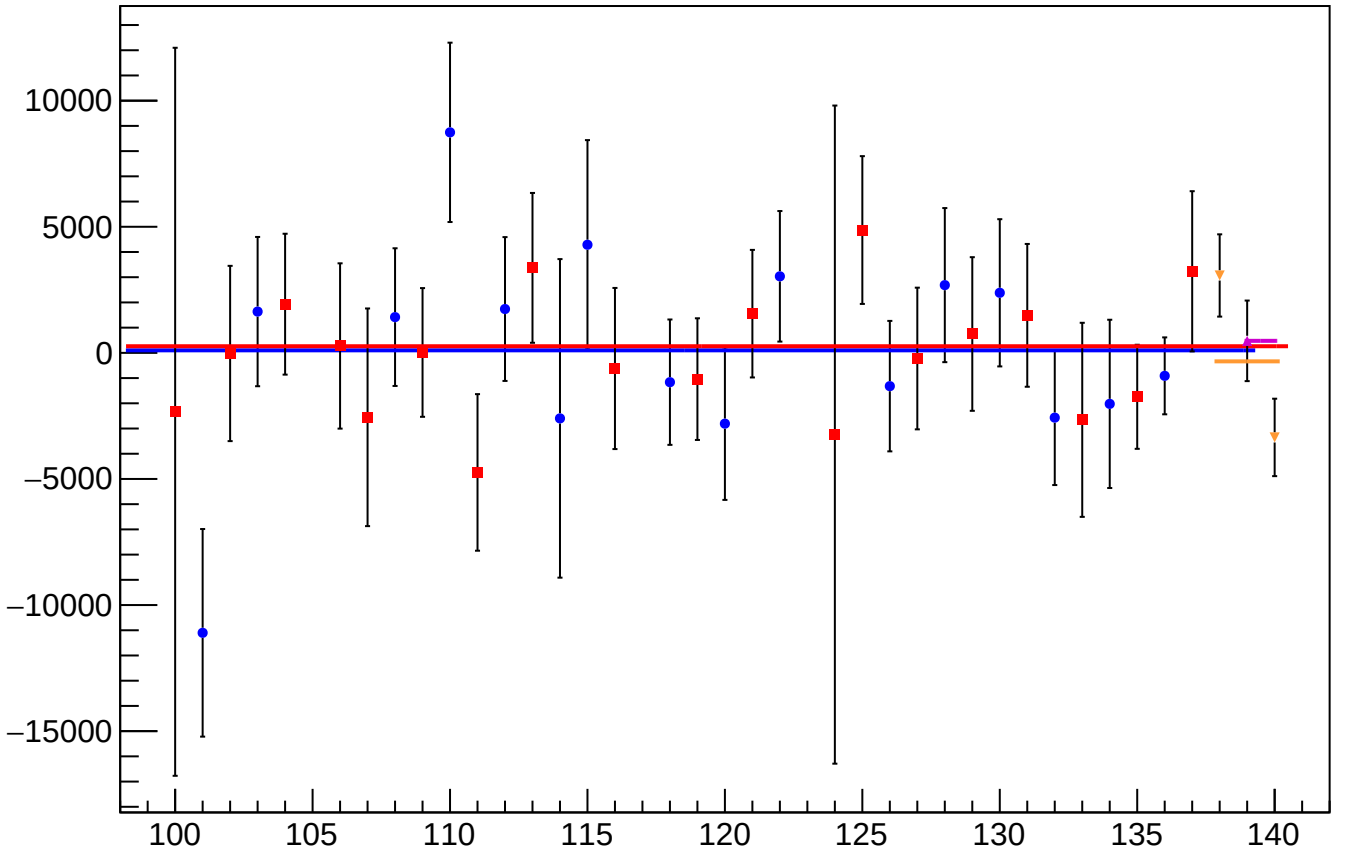
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 501.752+/-375.547 χ^2/NDF:26.0/16

Out: -197.211+/-326.334 χ^2/NDF:21.2/20

All: 103.502+/-246.328 χ^2/NDF: 49.2/37


asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
105
110
115
120
125
130
135
140
Right In: 1083.341+/-0.301 χ²/NDF: 1360095.7/15
Left Out: 602.071+/-0.337 χ²/NDF:14407.5/1
Right Out: 1154.732+/-0.317 χ²/NDF: 1488251.4/18
Left In: 735.346+/-0.566 χ²/NDF:0.0/0
Left: 636.941+/-0.290 χ²/NDF: 55321.2/2
Right: 1117.196+/-0.218 χ²/NDF: 2875081.4/34
In: 1006.787+/-0.266 χ²/NDF:1654771.3/16
Out: 895.660+/-0.231 χ²/NDF:2931107.0/20
All: 943.470+/-0.174 χ²/NDF: 4685657.0/37



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -336.732+/-1118.070 χ^2/NDF:8.2/1

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 476.945+/-1597.265 χ^2/NDF:0.0/0

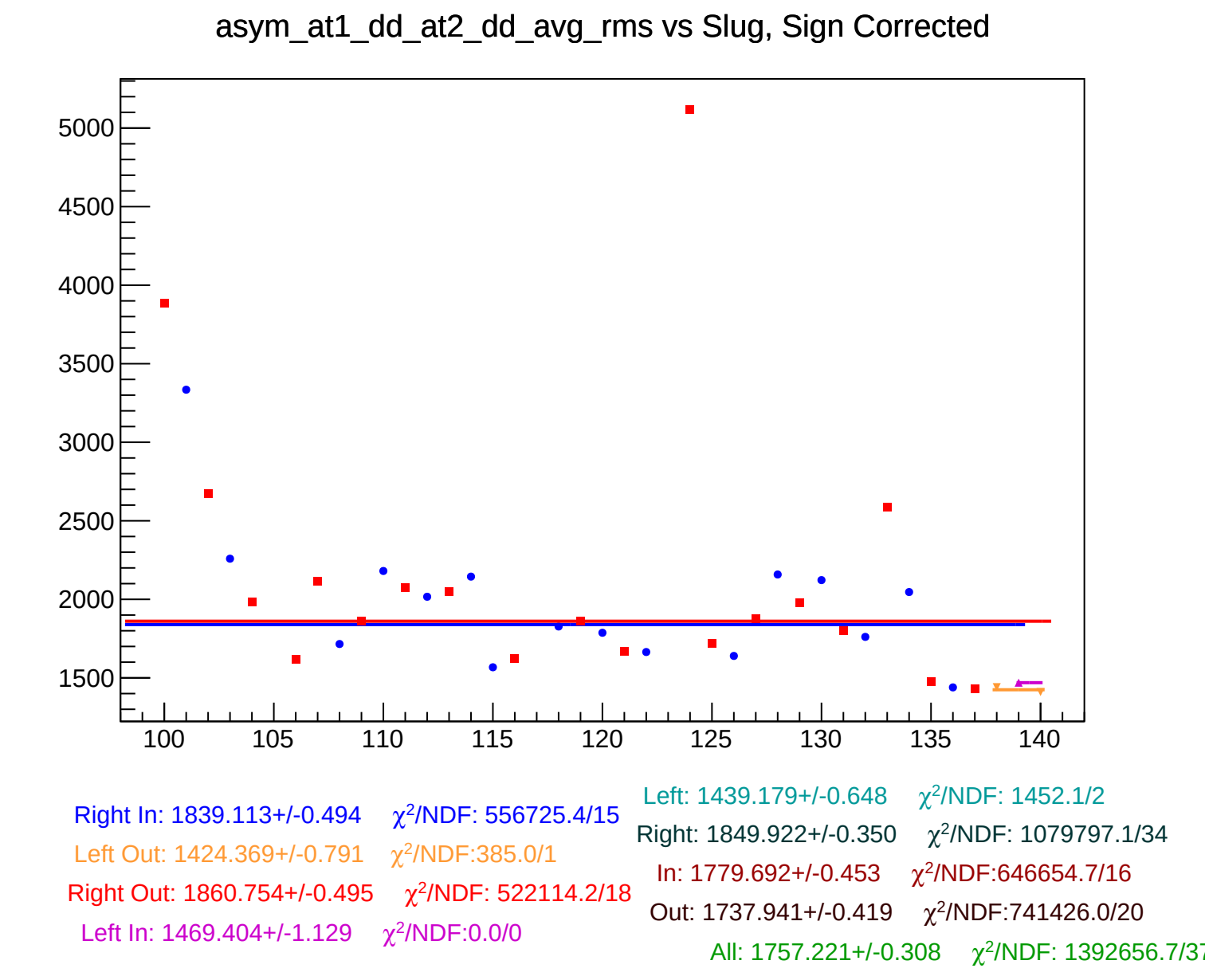
Left: -69.152+/-915.963 χ^2/NDF: 8.4/2

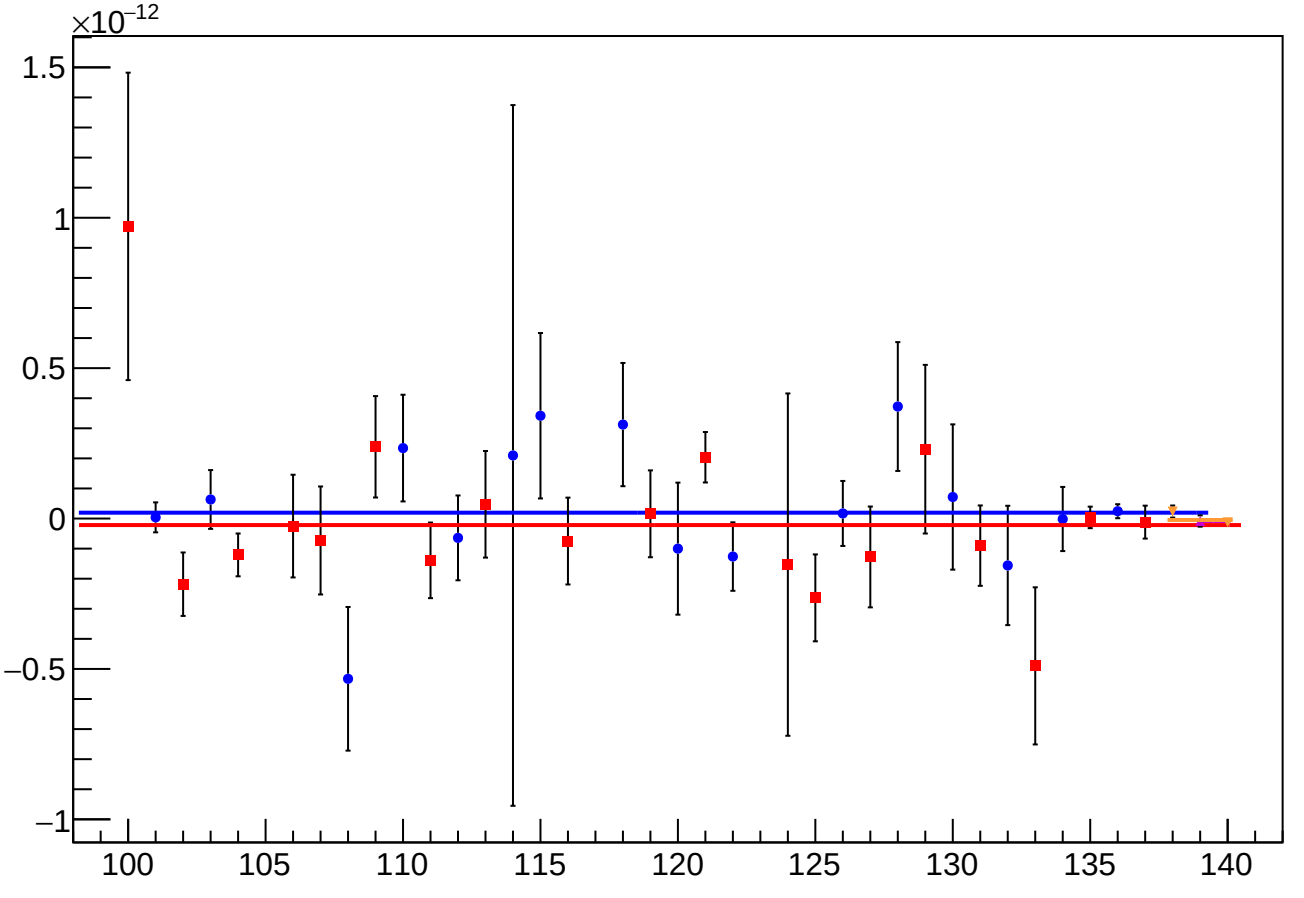
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 160.963+/-640.352 χ^2/NDF:21.3/16

Out: 94.020+/-593.143 χ^2/NDF:18.8/20

All: 124.933+/-435.149 χ^2/NDF: 40.1/37


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
1500
100
105
110
115
120
125
130
135
140
Right In: 1839.113+/-0.494 χ²/NDF: 556725.4/15
Left Out: 1424.369+/-0.791 χ²/NDF:385.0/1
Right Out: 1860.754+/-0.495 χ²/NDF: 522114.2/18
Left In: 1469.404+/-1.129 χ²/NDF:0.0/0
Left: 1439.179+/-0.648 χ²/NDF: 1452.1/2
Right: 1849.922+/-0.350 χ²/NDF: 1079797.1/34
In: 1779.692+/-0.453 χ²/NDF:646654.7/16
Out: 1737.941+/-0.419 χ²/NDF:741426.0/20
All: 1757.221+/-0.308 χ²/NDF: 1392656.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/1

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

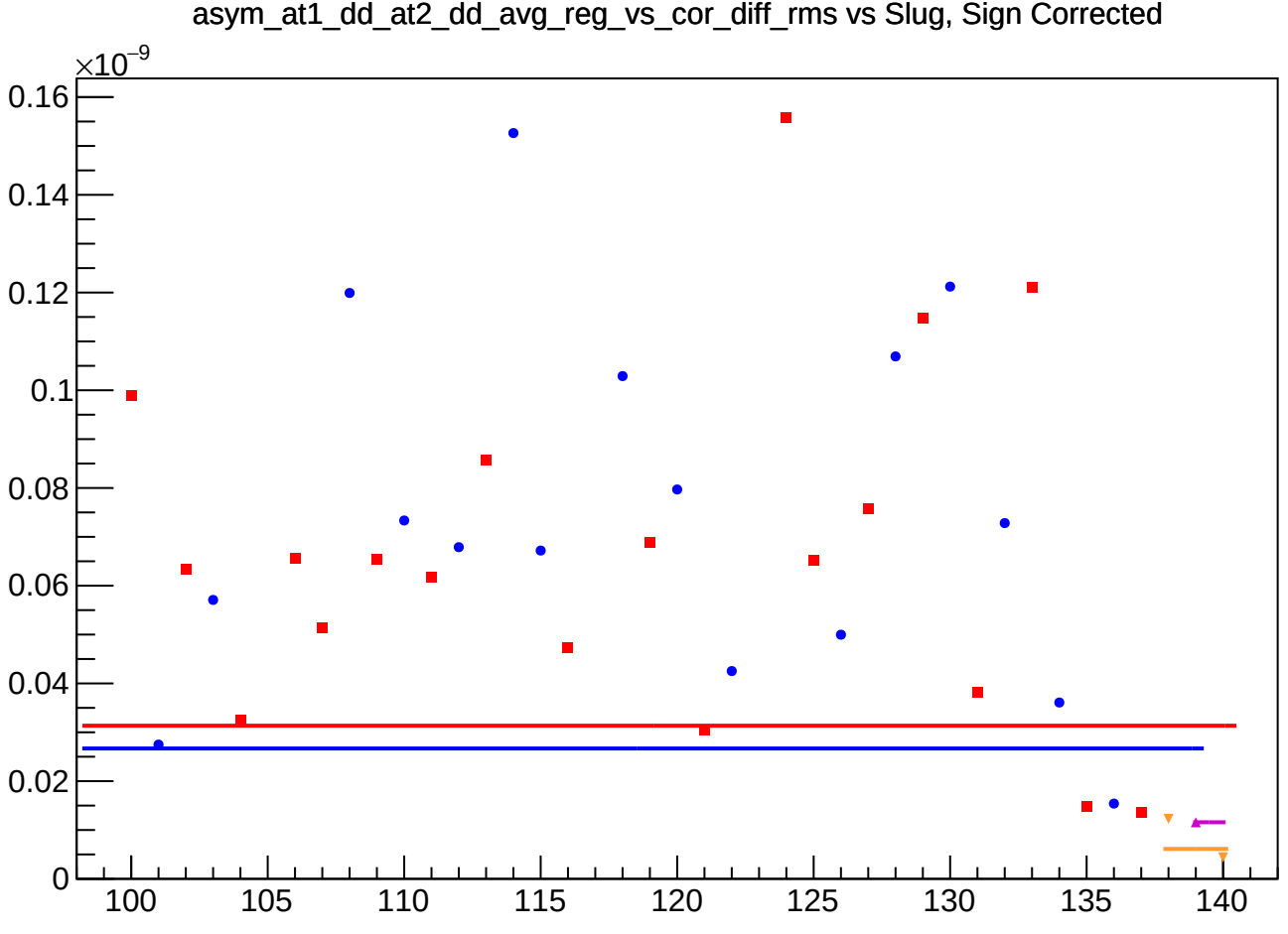
Left: -0.000+/-0.000 χ^2/NDF: 2.5/2

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:17.6/16

Out: -0.000+/-0.000 χ^2/NDF:31.1/20

All: -0.000+/-0.000 χ^2/NDF: 49.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:237810.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 373037.6/2

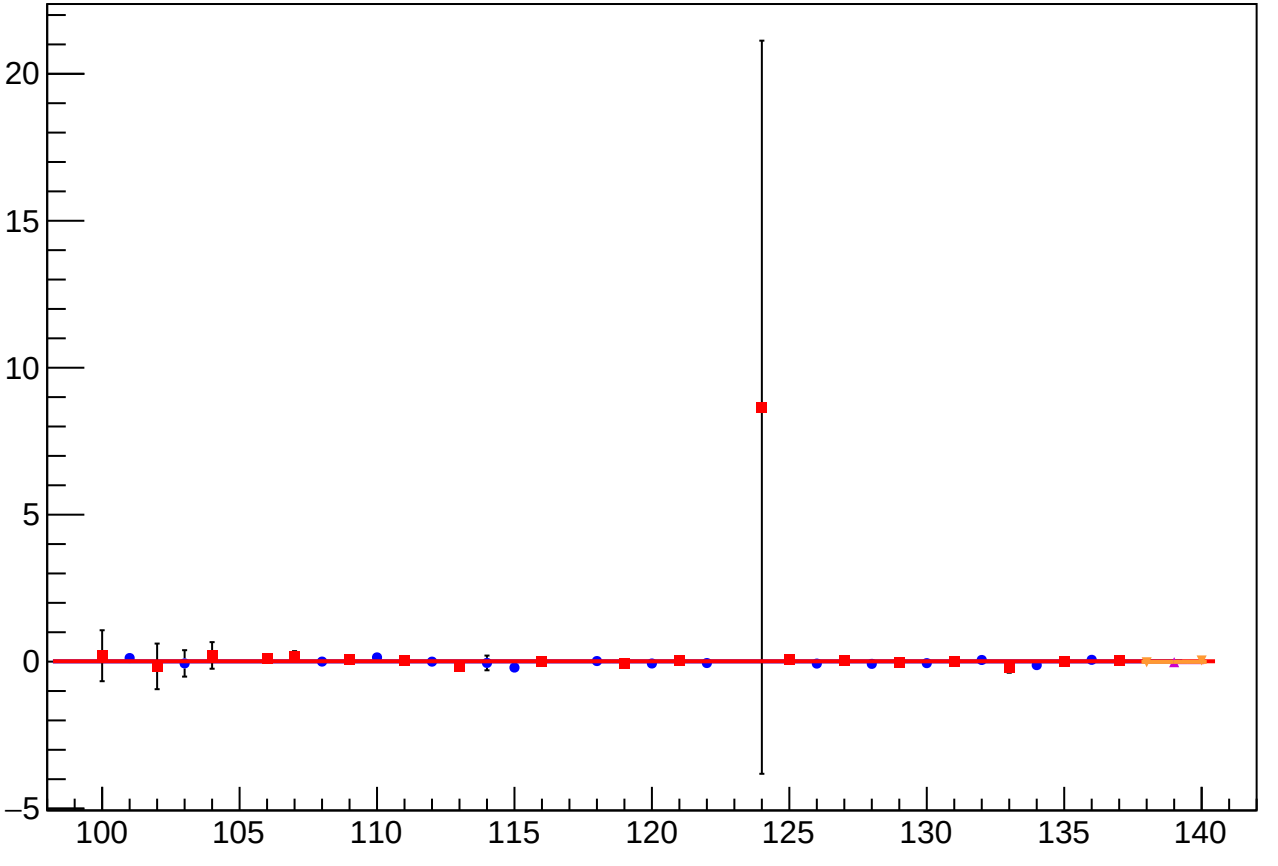
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:3228235.9/16

Out: 0.000+/-0.000 χ^2/NDF:4682434.0/20

All: 0.000+/-0.000 χ^2/NDF: 8574144.3/37

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.027 χ^2/NDF:0.0/0

Left: -0.013+/-0.019 χ^2/NDF: 1.1/2

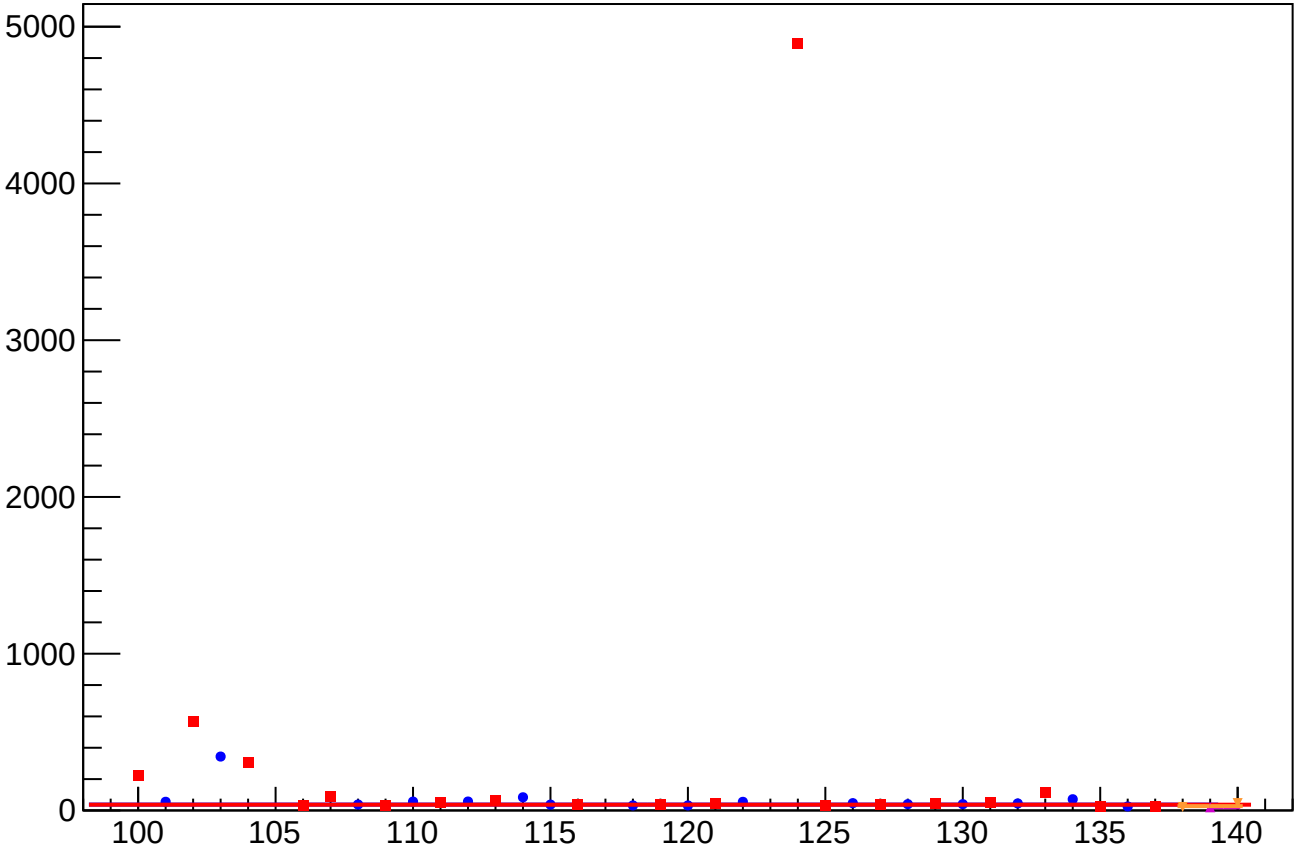
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.001+/-0.014 χ^2/NDF:20.0/16

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.004+/-0.010 χ^2/NDF: 34.2/37

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 27.541+/-0.018 χ^2/NDF:337597.4/1

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 20.394+/-0.019 χ^2/NDF:0.0/0

Left: 24.242+/-0.013 χ^2/NDF: 411582.2/2

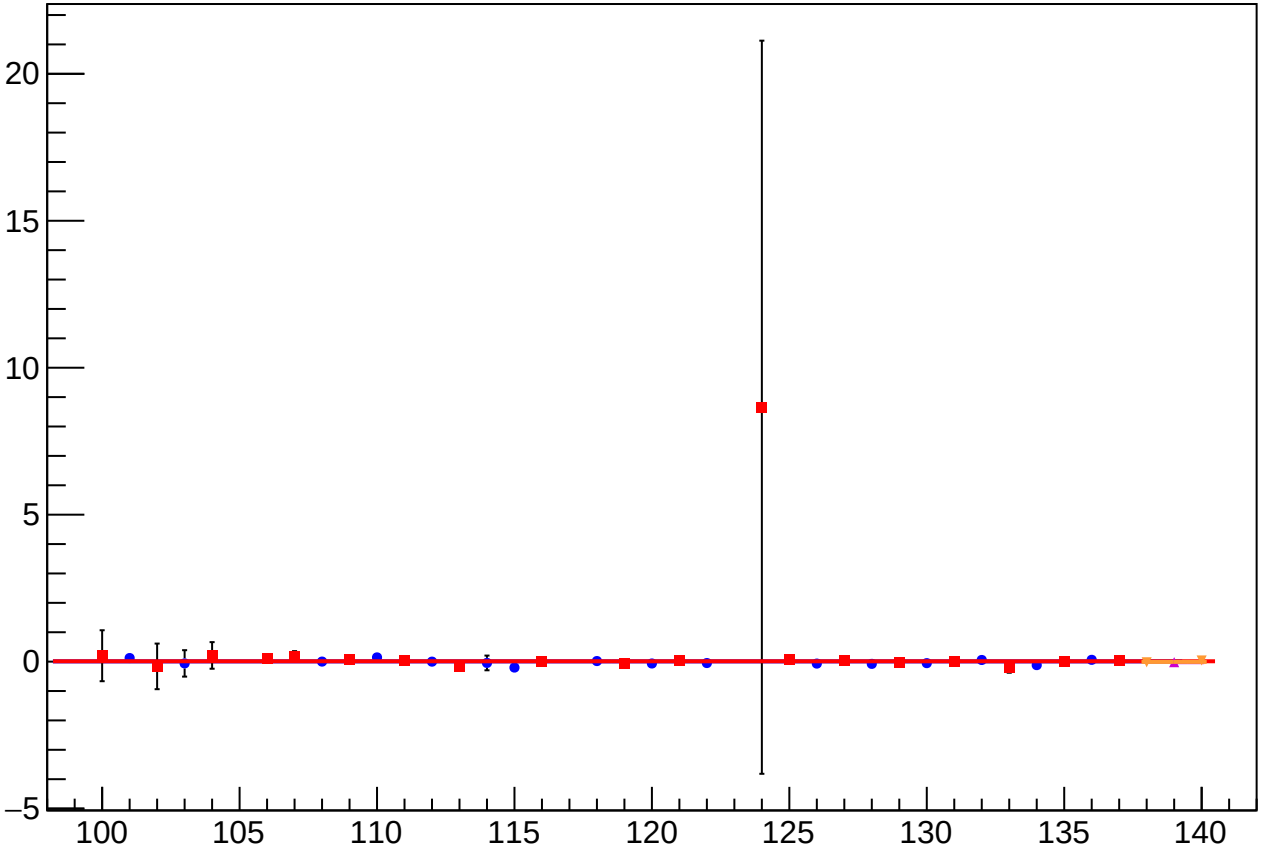
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.082+/-0.010 χ^2/NDF:2566988.4/16

Out: 33.977+/-0.010 χ^2/NDF:3714689.4/20

All: 33.529+/-0.007 χ^2/NDF: 6285847.9/37

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.027 χ^2/NDF:0.0/0

Left: -0.013+/-0.019 χ^2/NDF: 1.1/2

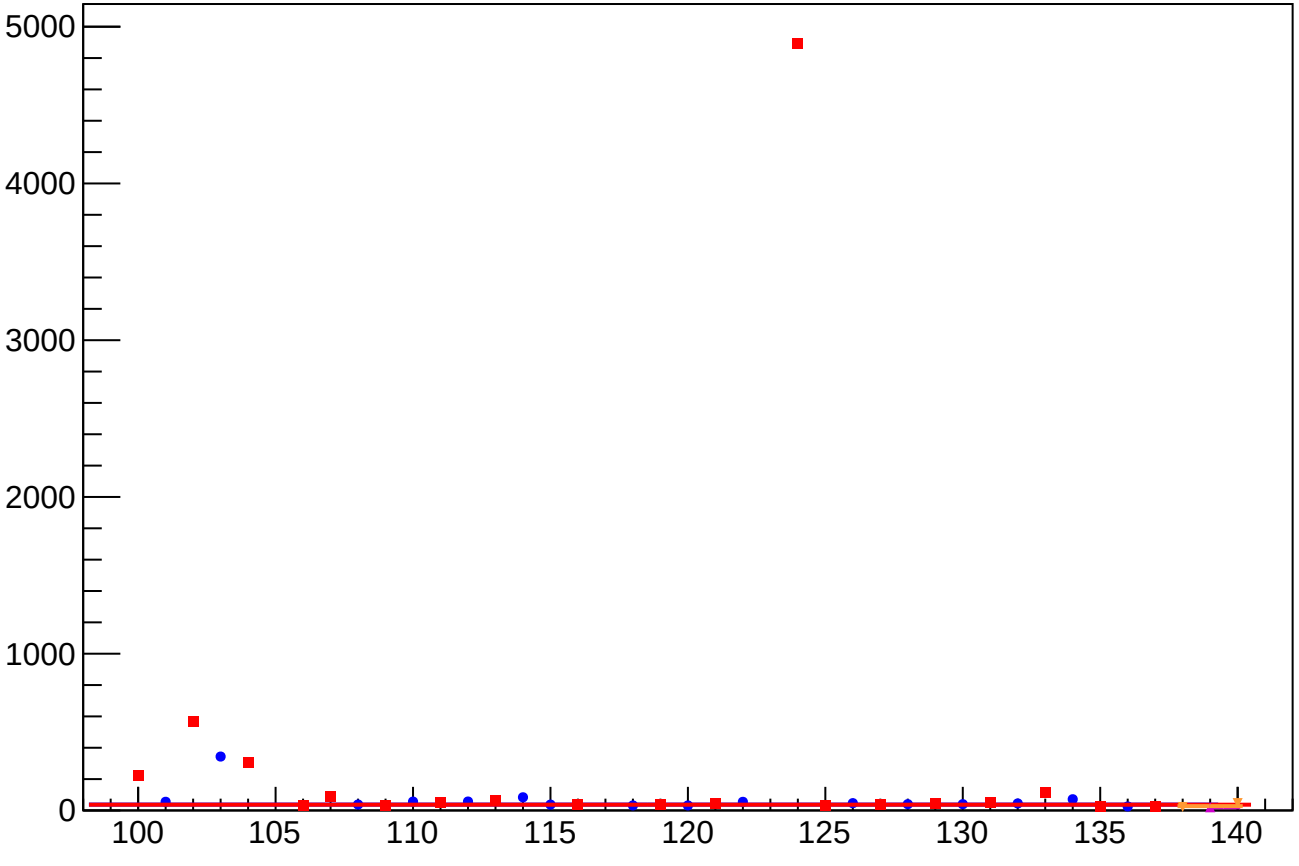
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.001+/-0.014 χ^2/NDF:20.0/16

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.004+/-0.010 χ^2/NDF: 34.2/37

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 27.541+/-0.018 χ^2/NDF:337597.4/1

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 20.394+/-0.019 χ^2/NDF:0.0/0

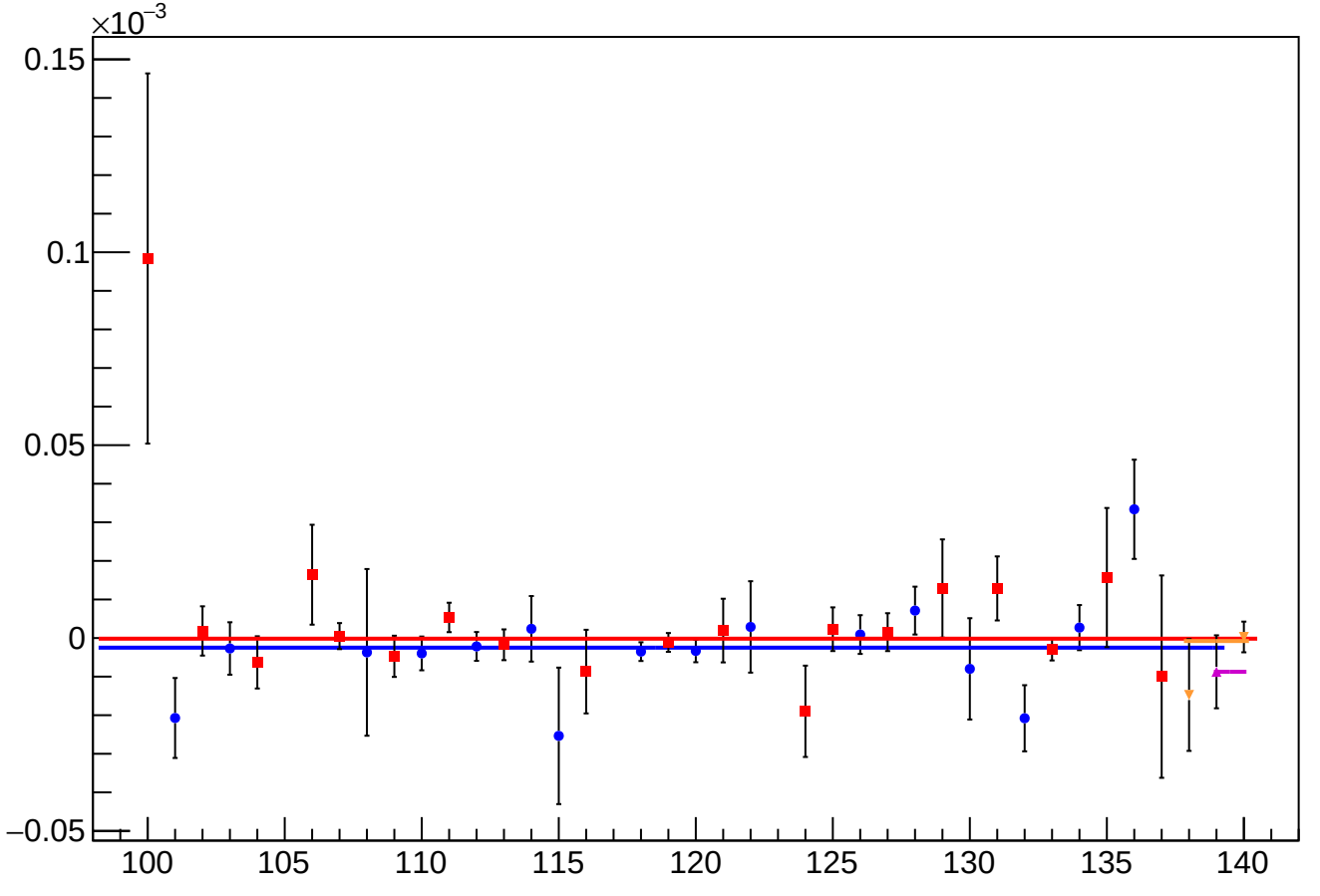
Left: 24.242+/-0.013 χ^2/NDF: 411582.2/2

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.082+/-0.010 χ^2/NDF:2566988.4/16

Out: 33.977+/-0.010 χ^2/NDF:3714689.4/20

All: 33.529+/-0.007 χ^2/NDF: 6285847.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.000+/-0.000 χ^2/NDF: 1.6/2

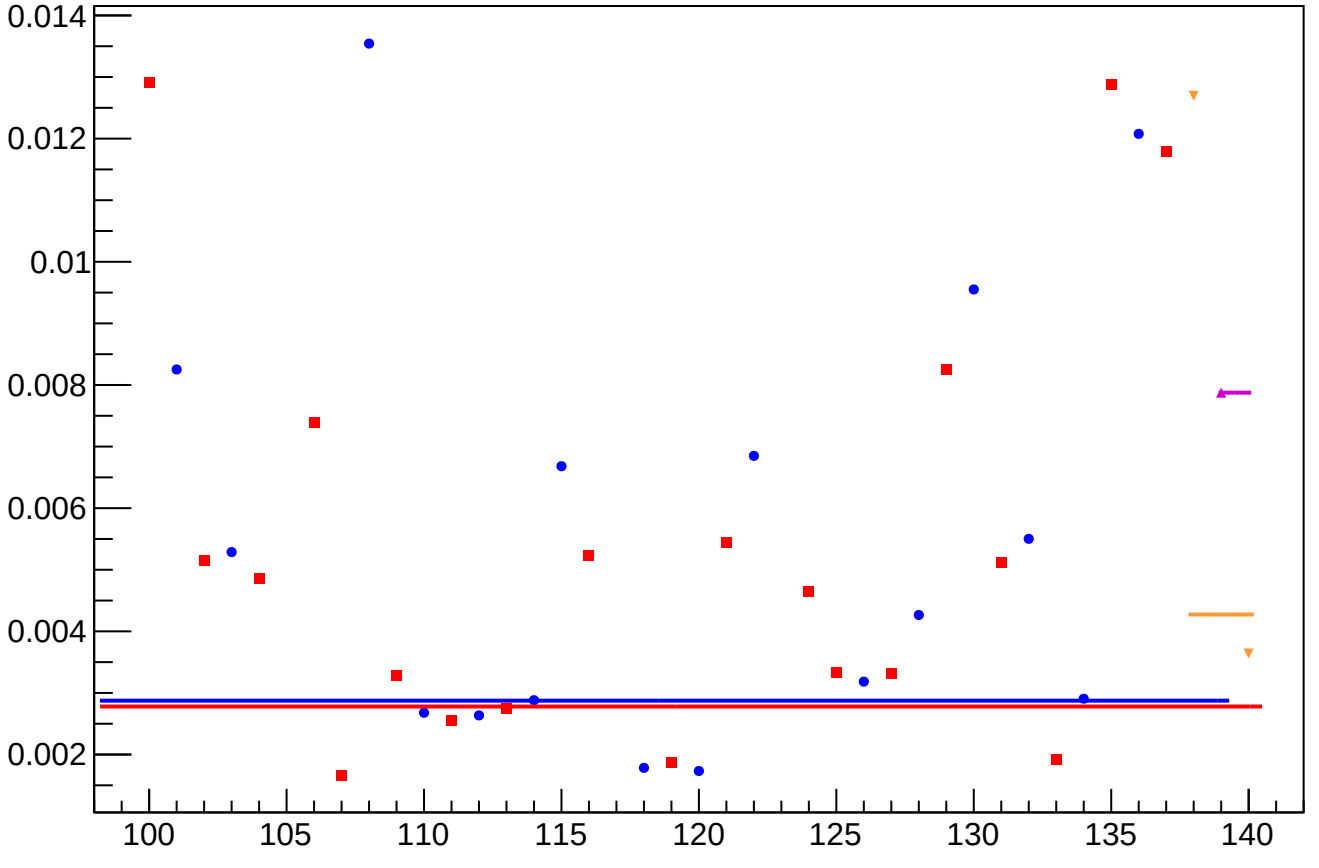
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:22.3/16

Out: -0.000+/-0.000 χ^2/NDF:19.9/20

All: -0.000+/-0.000 χ^2/NDF: 44.1/37

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:726251.8/1

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.008+/-0.000 χ^2/NDF:0.0/0

Left: 0.005+/-0.000 χ^2/NDF: 975451.2/2

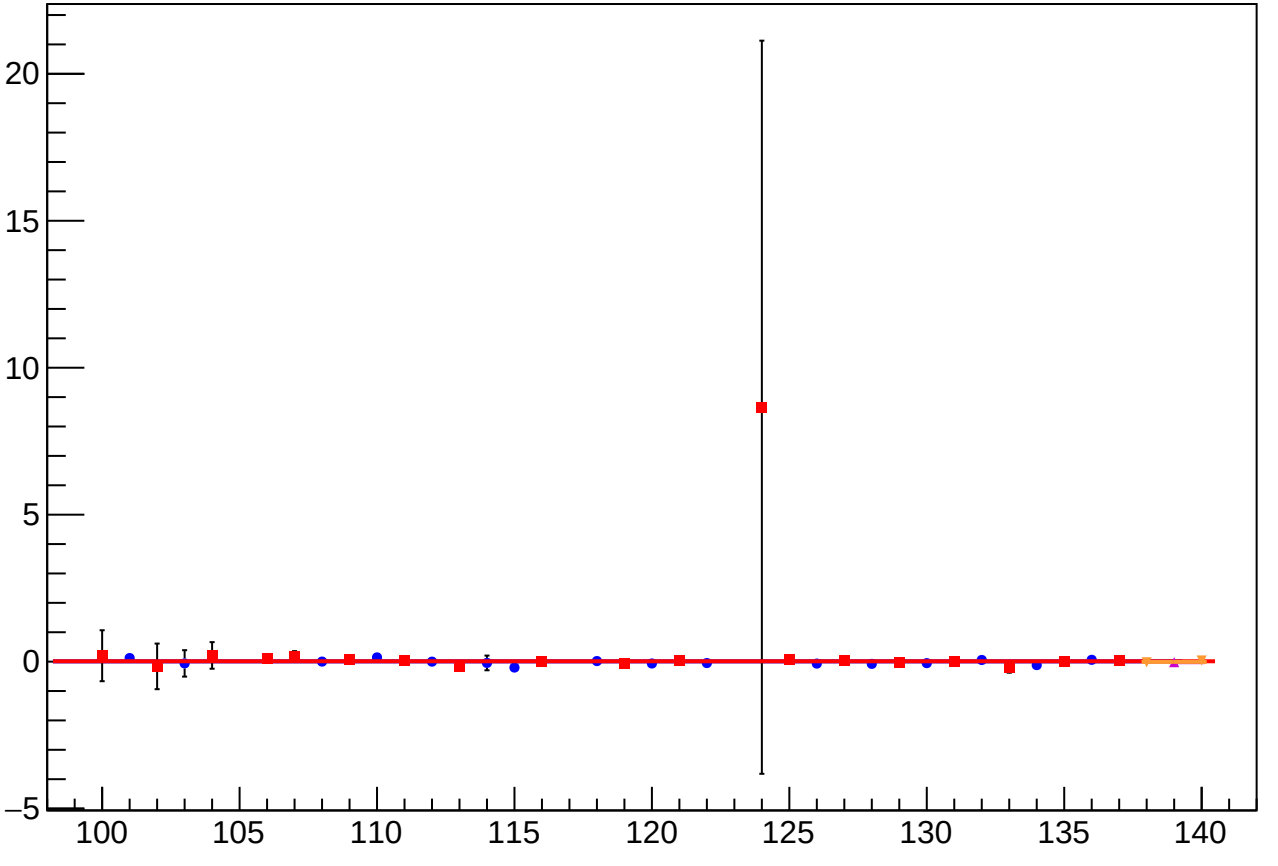
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:4700980.0/16

Out: 0.003+/-0.000 χ^2/NDF:4314752.0/20

All: 0.003+/-0.000 χ^2/NDF: 9018250.6/37

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.027 χ^2/NDF:0.0/0

Left: -0.013+/-0.019 χ^2/NDF: 1.1/2

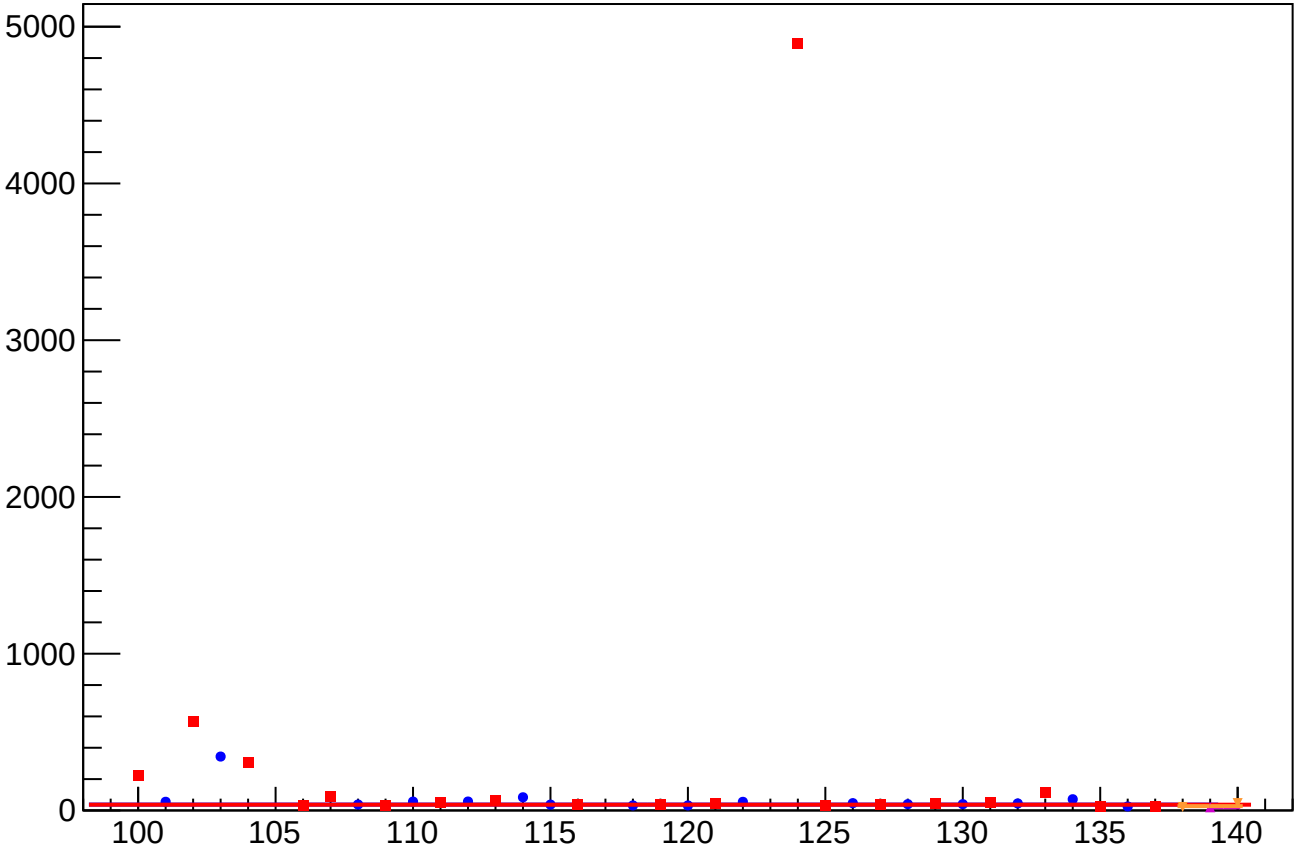
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.001+/-0.014 χ^2/NDF:20.0/16

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.004+/-0.010 χ^2/NDF: 34.2/37

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 27.536+/-0.018 χ^2/NDF:337799.5/1

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 20.403+/-0.019 χ^2/NDF:0.0/0

Left: 24.245+/-0.013 χ^2/NDF: 411494.6/2

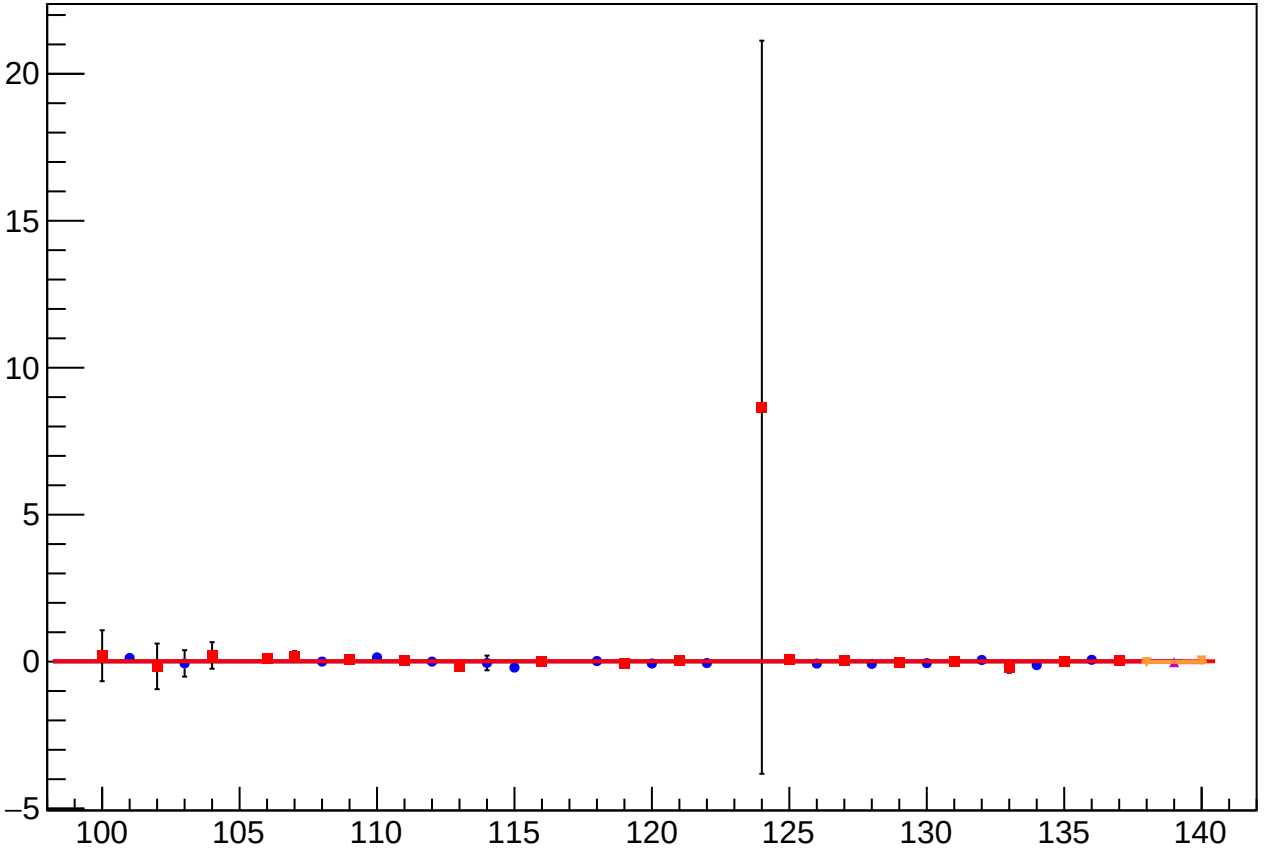
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.087+/-0.010 χ^2/NDF:2566101.1/16

Out: 33.977+/-0.010 χ^2/NDF:3714847.4/20

All: 33.531+/-0.007 χ^2/NDF: 6285072.2/37

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.027 χ^2/NDF:0.0/0

Left: -0.013+/-0.019 χ^2/NDF: 1.1/2

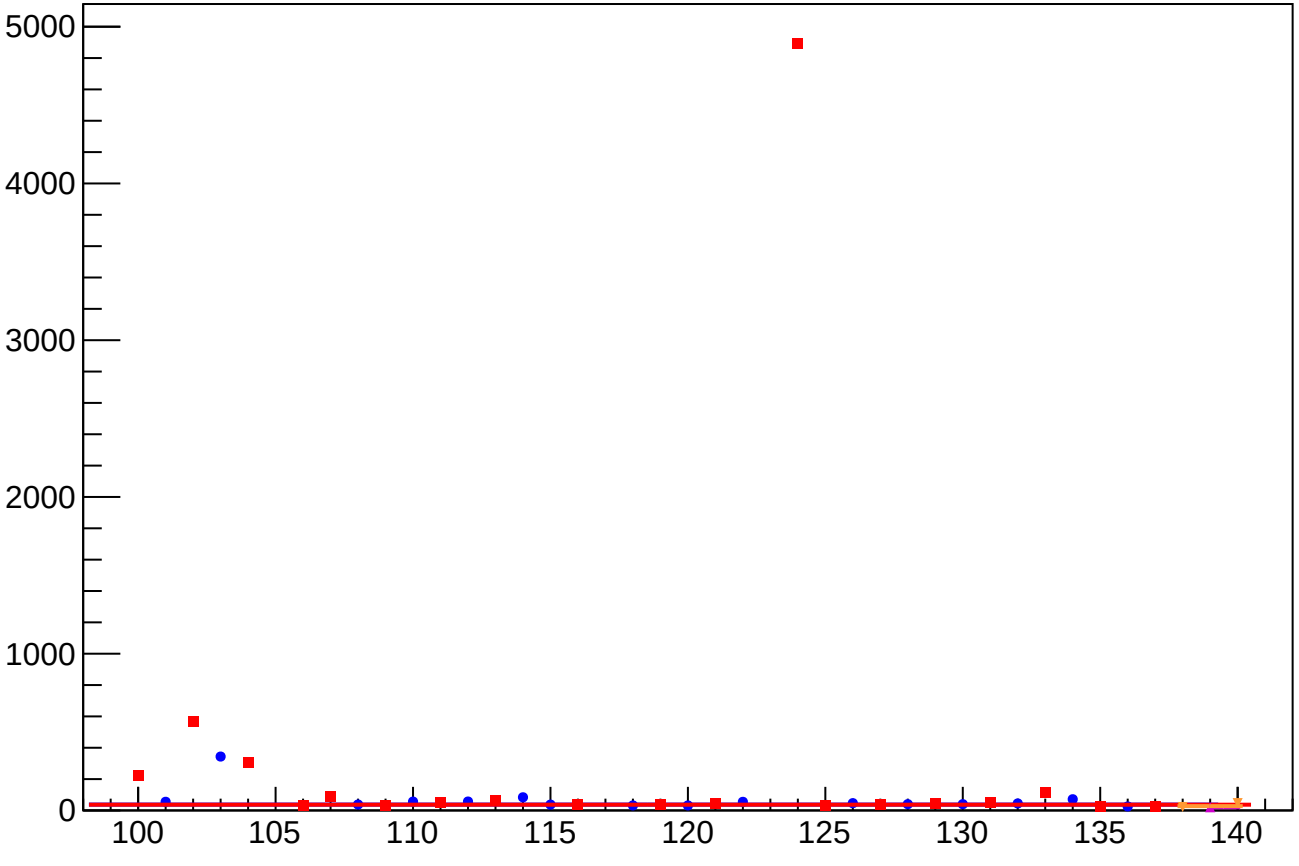
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.001+/-0.014 χ^2/NDF:20.0/16

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.004+/-0.010 χ^2/NDF: 34.2/37

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 27.536+/-0.018 χ^2/NDF:337799.5/1

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 20.403+/-0.019 χ^2/NDF:0.0/0

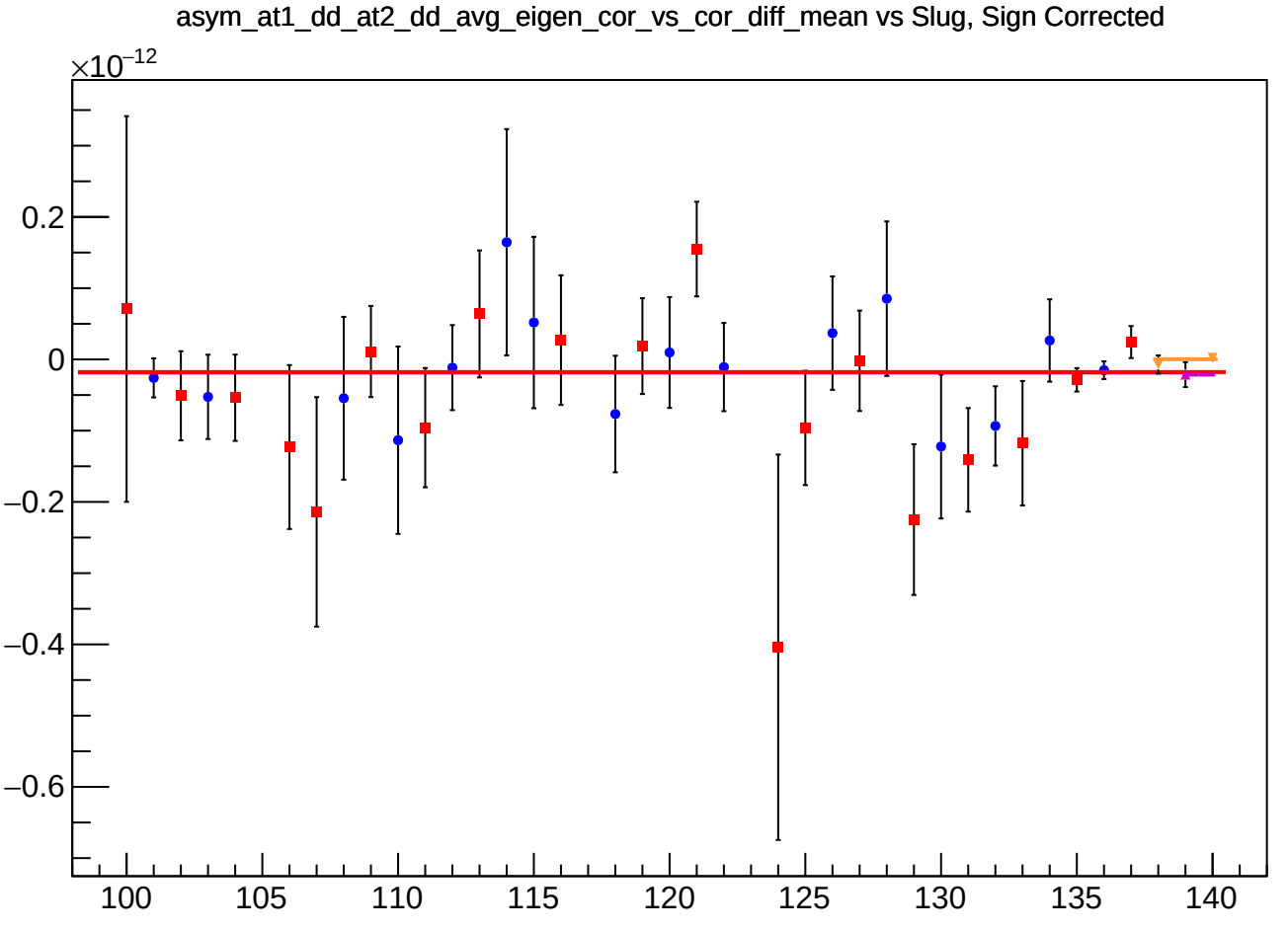
Left: 24.245+/-0.013 χ^2/NDF: 411494.6/2

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.087+/-0.010 χ^2/NDF:2566101.1/16

Out: 33.977+/-0.010 χ^2/NDF:3714847.4/20

All: 33.531+/-0.007 χ^2/NDF: 6285072.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

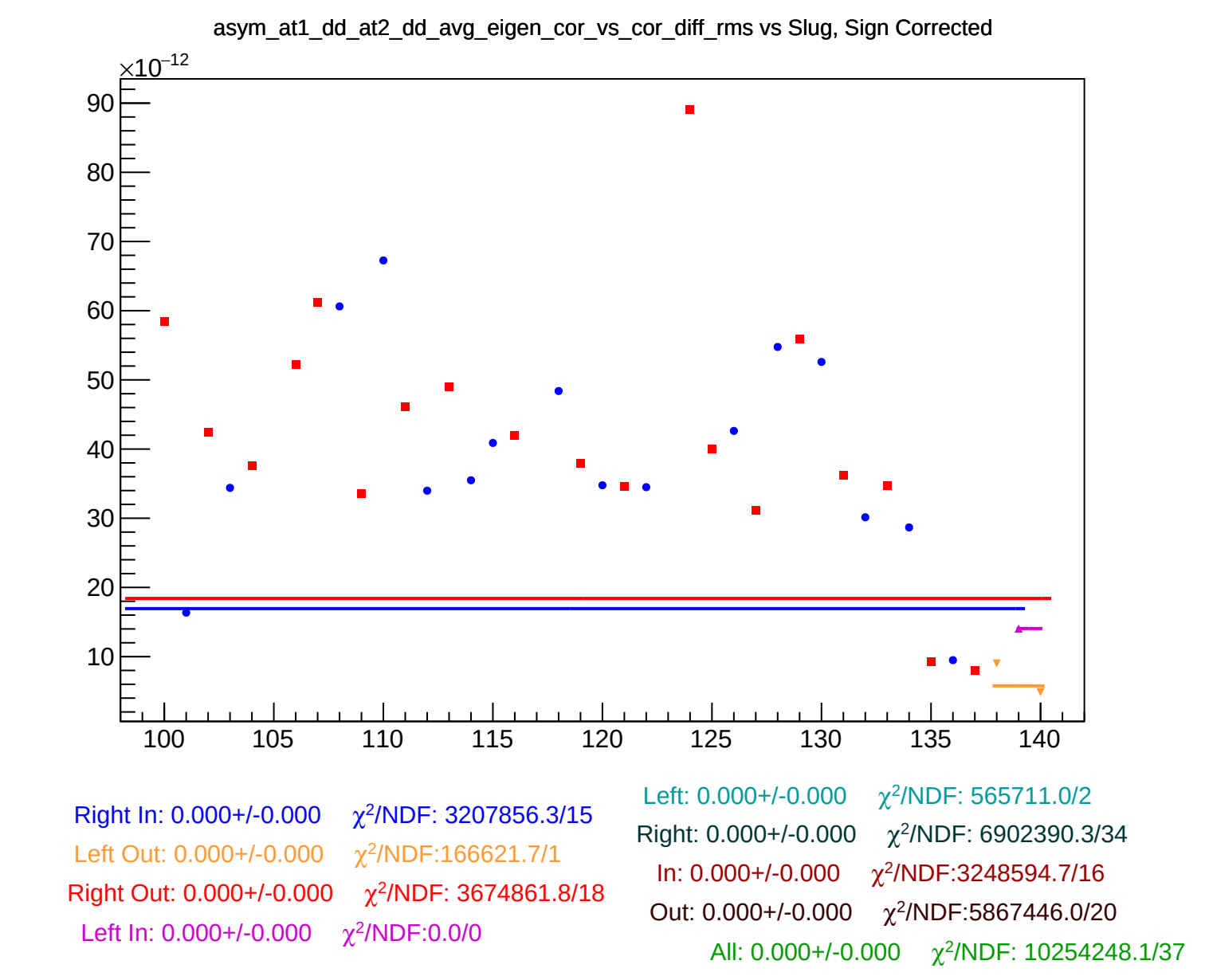
Left: -0.000+/-0.000 χ^2/NDF: 1.8/2

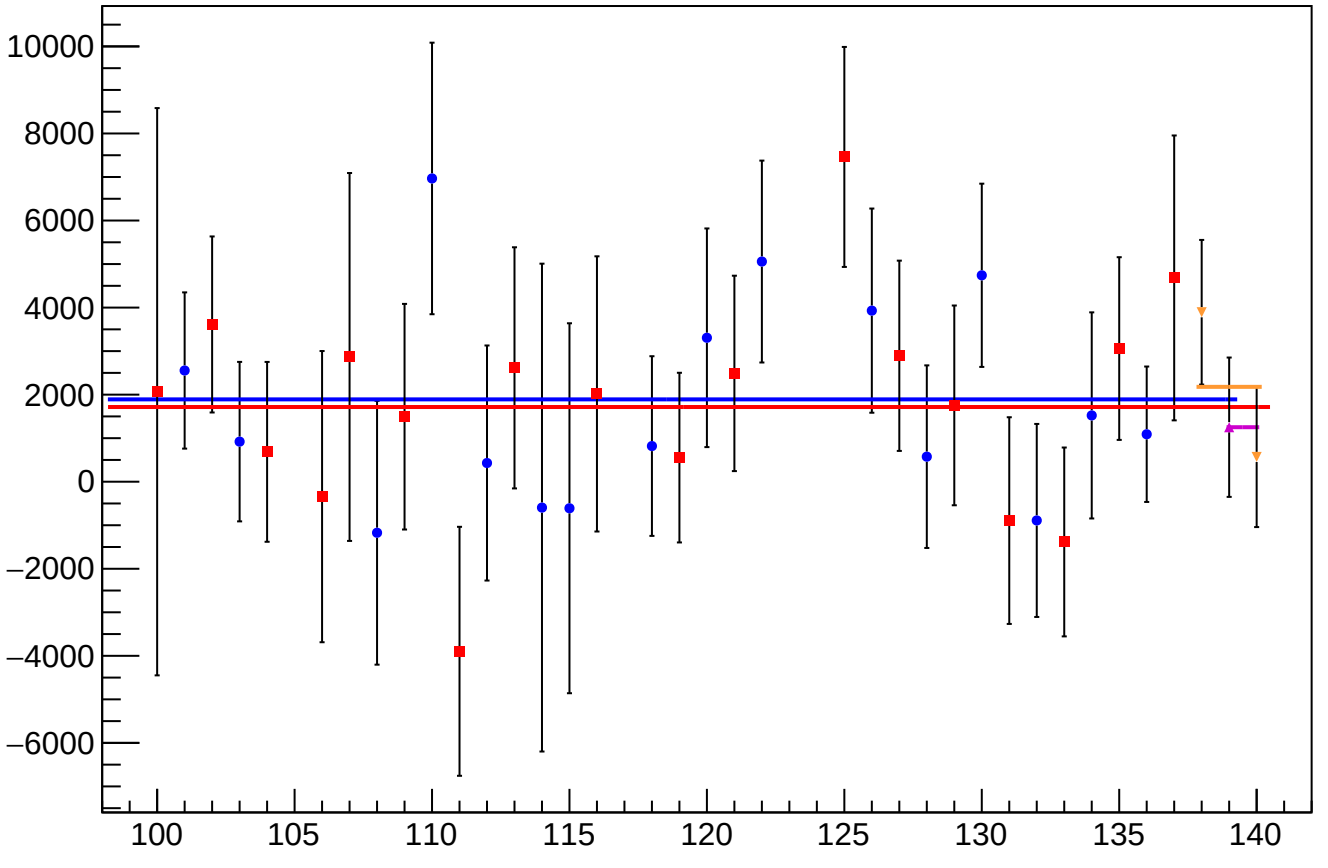
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:8.3/16

Out: -0.000+/-0.000 χ^2/NDF:29.8/20

All: -0.000+/-0.000 χ^2/NDF: 40.3/37


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
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:166621.7/1
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 565711.0/2
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:3248594.7/16
Out: 0.000+/-0.000 χ²/NDF:5867446.0/20
All: 0.000+/-0.000 χ²/NDF: 10254248.1/37



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2179.122+/-1156.497 χ^2/NDF:2.1/1

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1251.944+/-1600.618 χ^2/NDF:0.0/0

Left: 1861.107+/-937.411 χ^2/NDF: 2.3/2

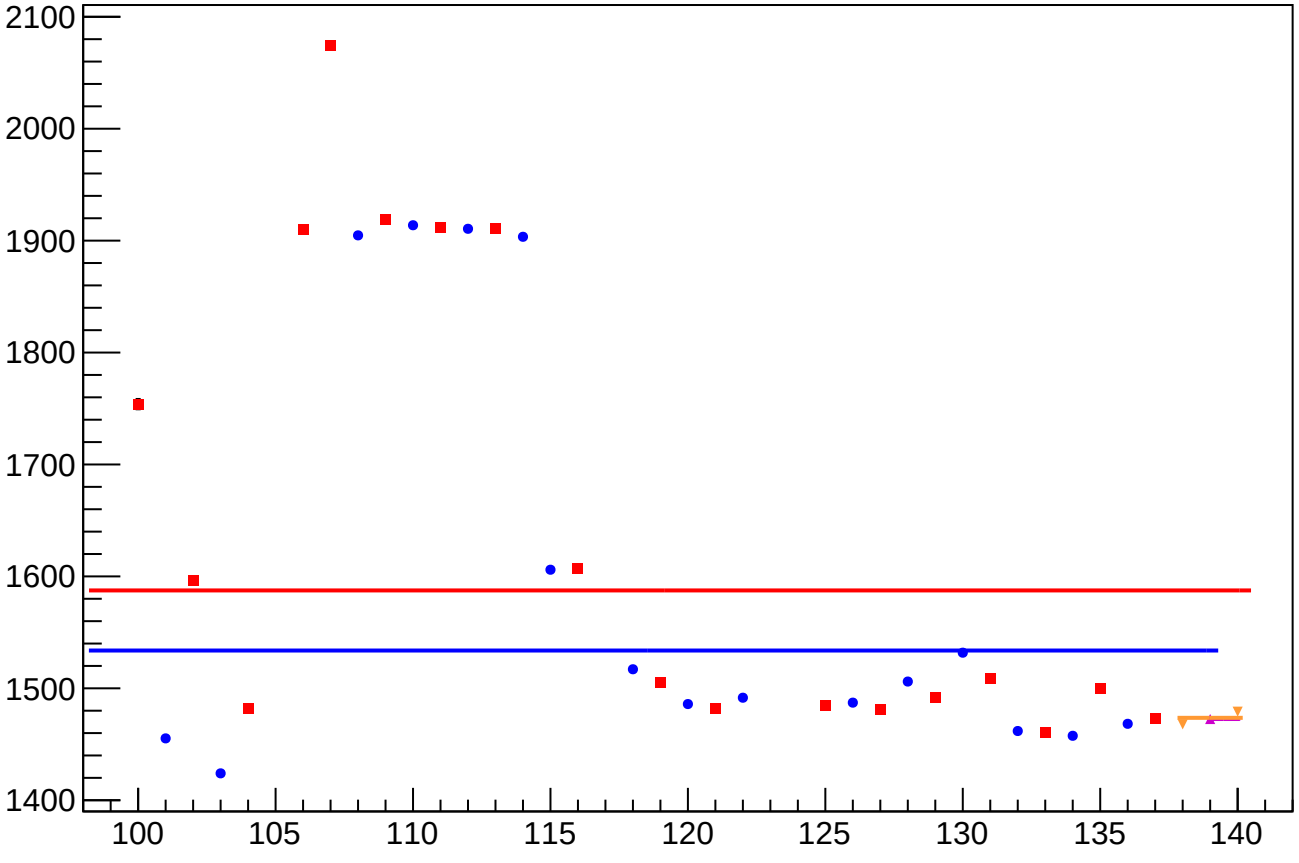
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1818.980+/-538.843 χ^2/NDF:12.4/16

Out: 1811.446+/-525.218 χ^2/NDF:18.2/19

All: 1815.117+/-376.110 χ^2/NDF: 30.5/36

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1473.628+/-0.818 χ^2/NDF:47.9/1

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1472.575+/-1.132 χ^2/NDF:0.0/0

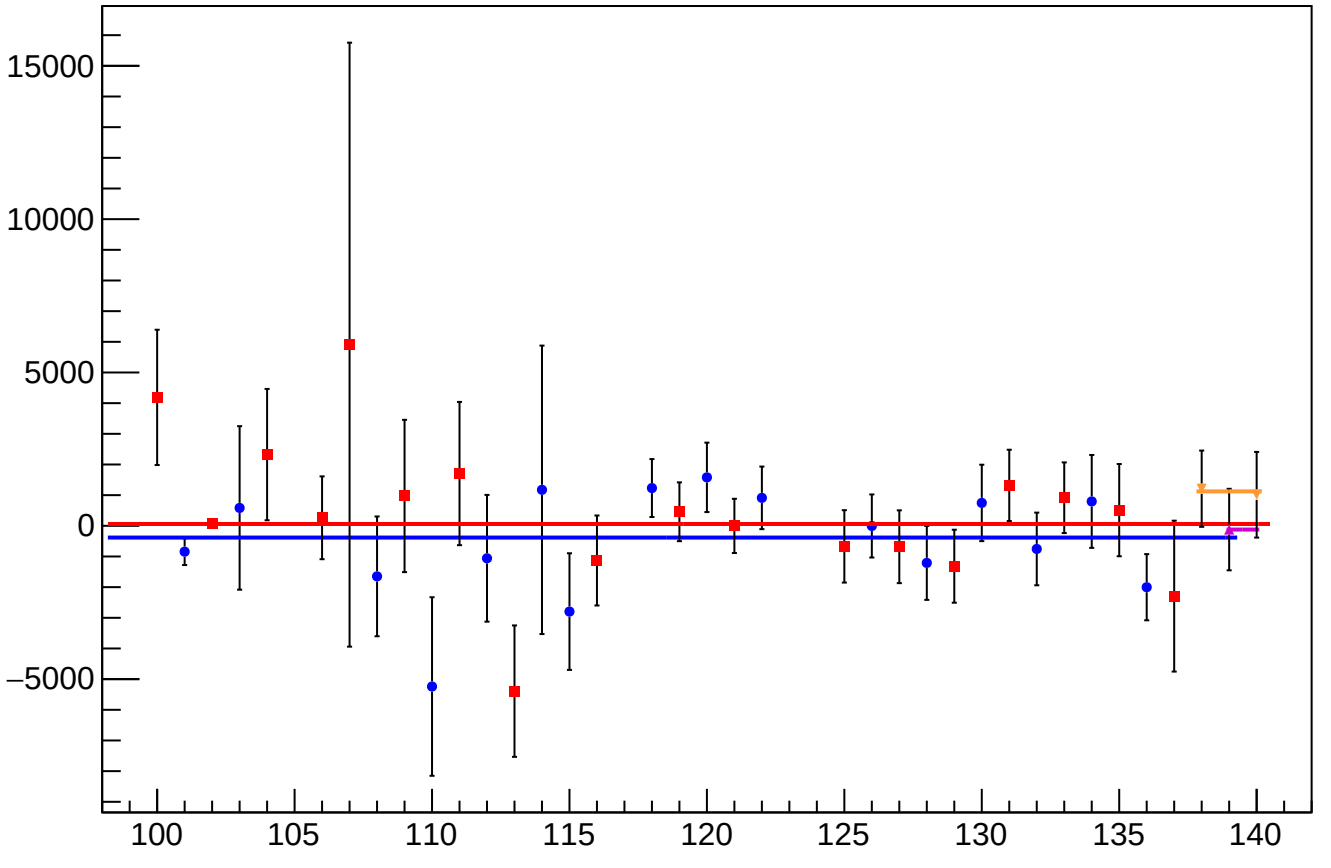
Left: 1473.267+/-0.663 χ^2/NDF: 48.5/2

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1526.835+/-0.381 χ^2/NDF:131863.7/16

Out: 1563.984+/-0.371 χ^2/NDF:187416.4/19

All: 1545.885+/-0.266 χ^2/NDF: 324154.6/36



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1122.897+/-928.695 χ^2/NDF:0.0/1

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: -122.135+/-1329.266 χ^2/NDF:0.0/0

Left: 714.515+/-761.298 χ^2/NDF: 0.6/2

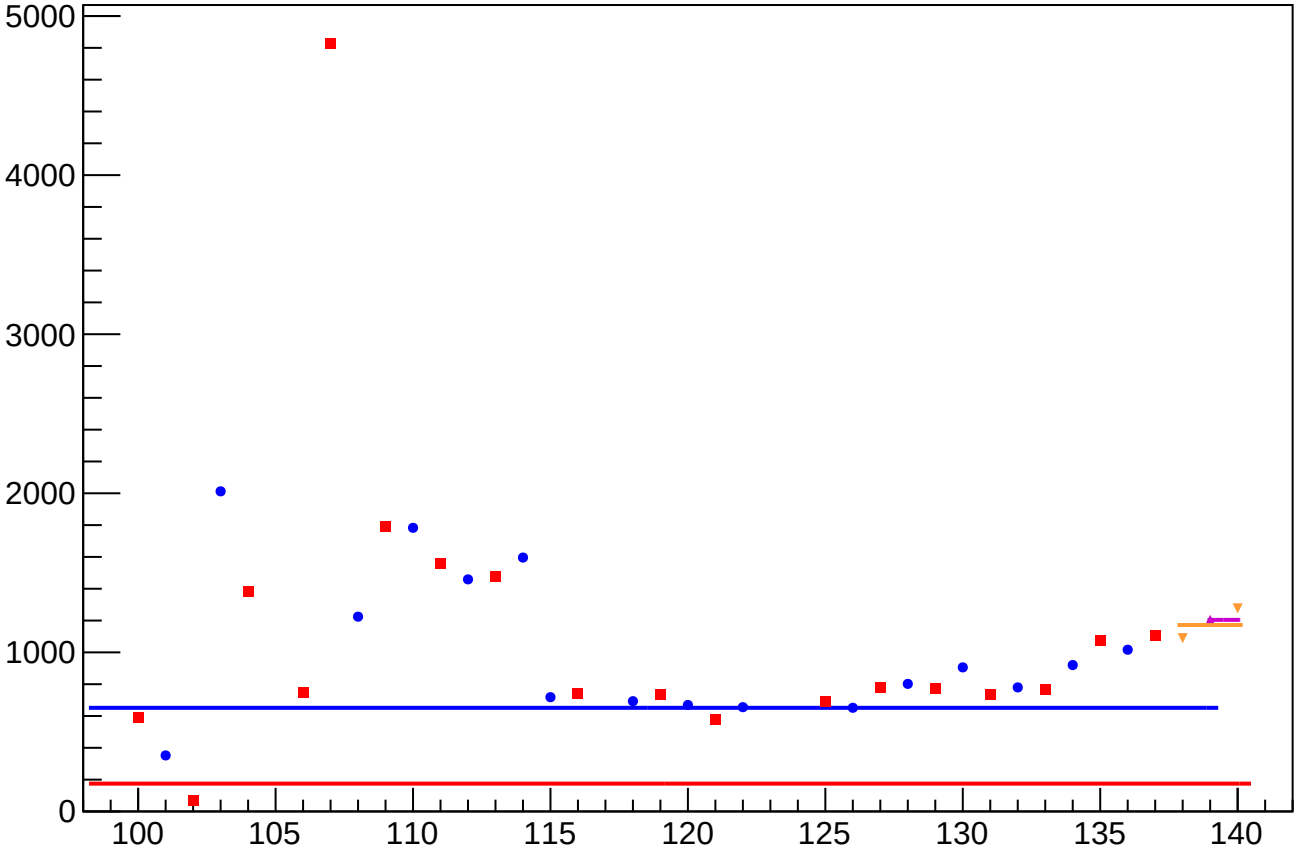
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -372.297+/-266.675 χ^2/NDF:18.2/16

Out: 79.695+/-126.510 χ^2/NDF:19.1/19

All: -3.340+/-114.300 χ^2/NDF: 39.7/36

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1172.072+/-0.657 χ^2/NDF:20006.2/1

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1204.279+/-0.940 χ^2/NDF:0.0/0

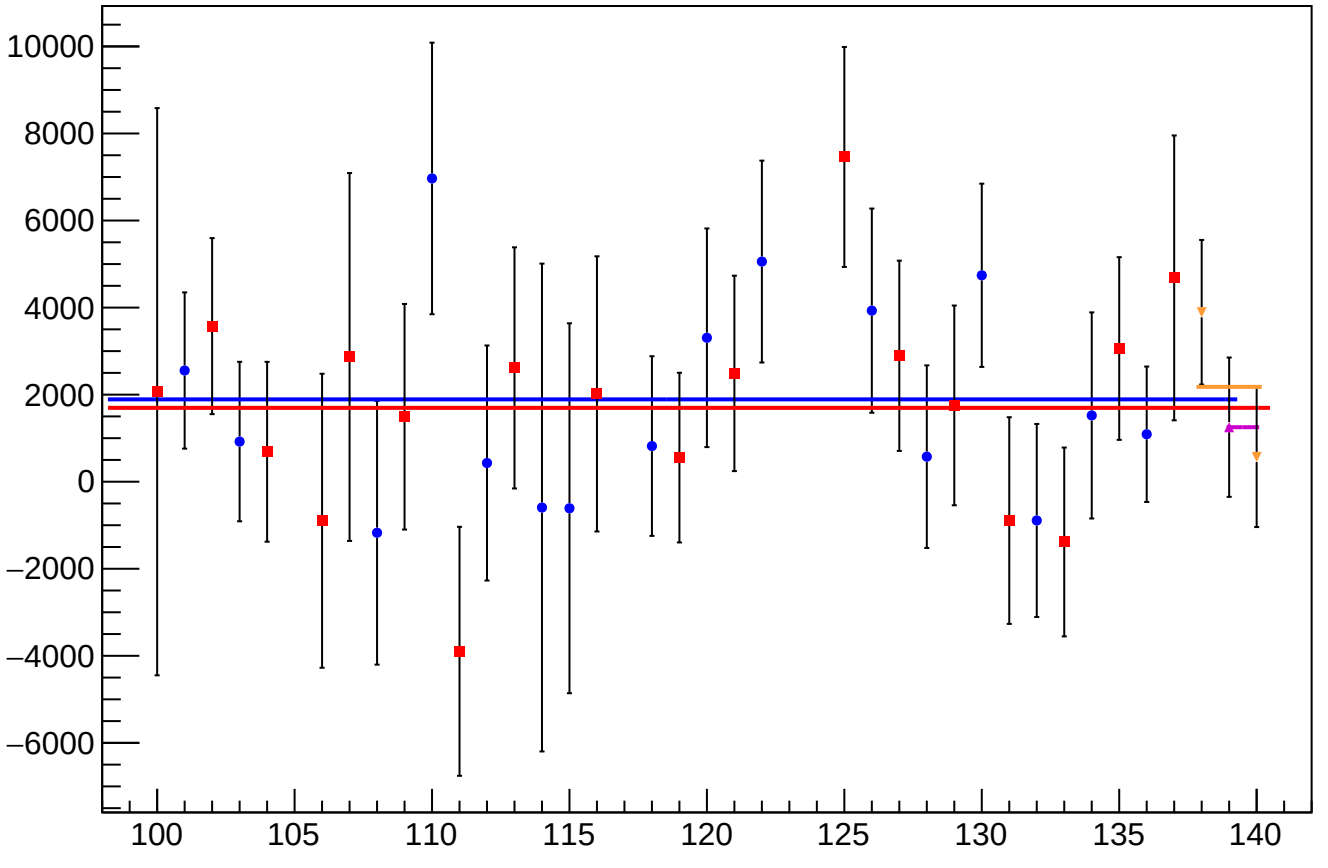
Left: 1182.636+/-0.538 χ^2/NDF: 20795.2/2

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 673.770+/-0.189 χ^2/NDF:3094575.6/16

Out: 193.403+/-0.089 χ^2/NDF:12044265.5/19

All: 281.651+/-0.081 χ^2/NDF: 20436180.5/36



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2179.207+/-1156.497 χ^2/NDF:2.1/1

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1252.167+/-1600.618 χ^2/NDF:0.0/0

Left: 1861.240+/-937.411 χ^2/NDF: 2.3/2

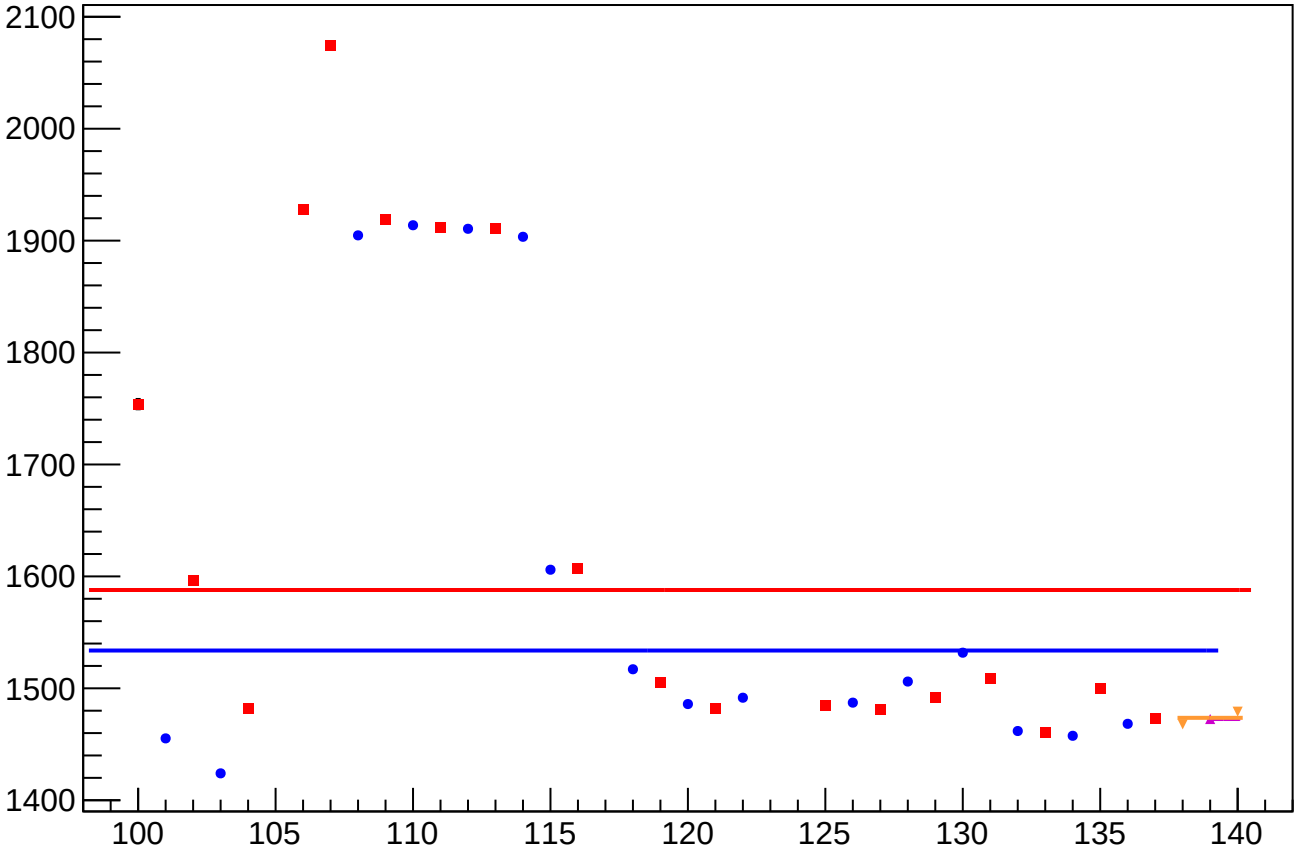
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1819.099+/-538.843 χ^2/NDF:12.4/16

Out: 1796.493+/-525.346 χ^2/NDF:18.4/19

All: 1807.509+/-376.157 χ^2/NDF: 30.7/36

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1473.628+/-0.818 χ^2/NDF:47.9/1

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1472.575+/-1.132 χ^2/NDF:0.0/0

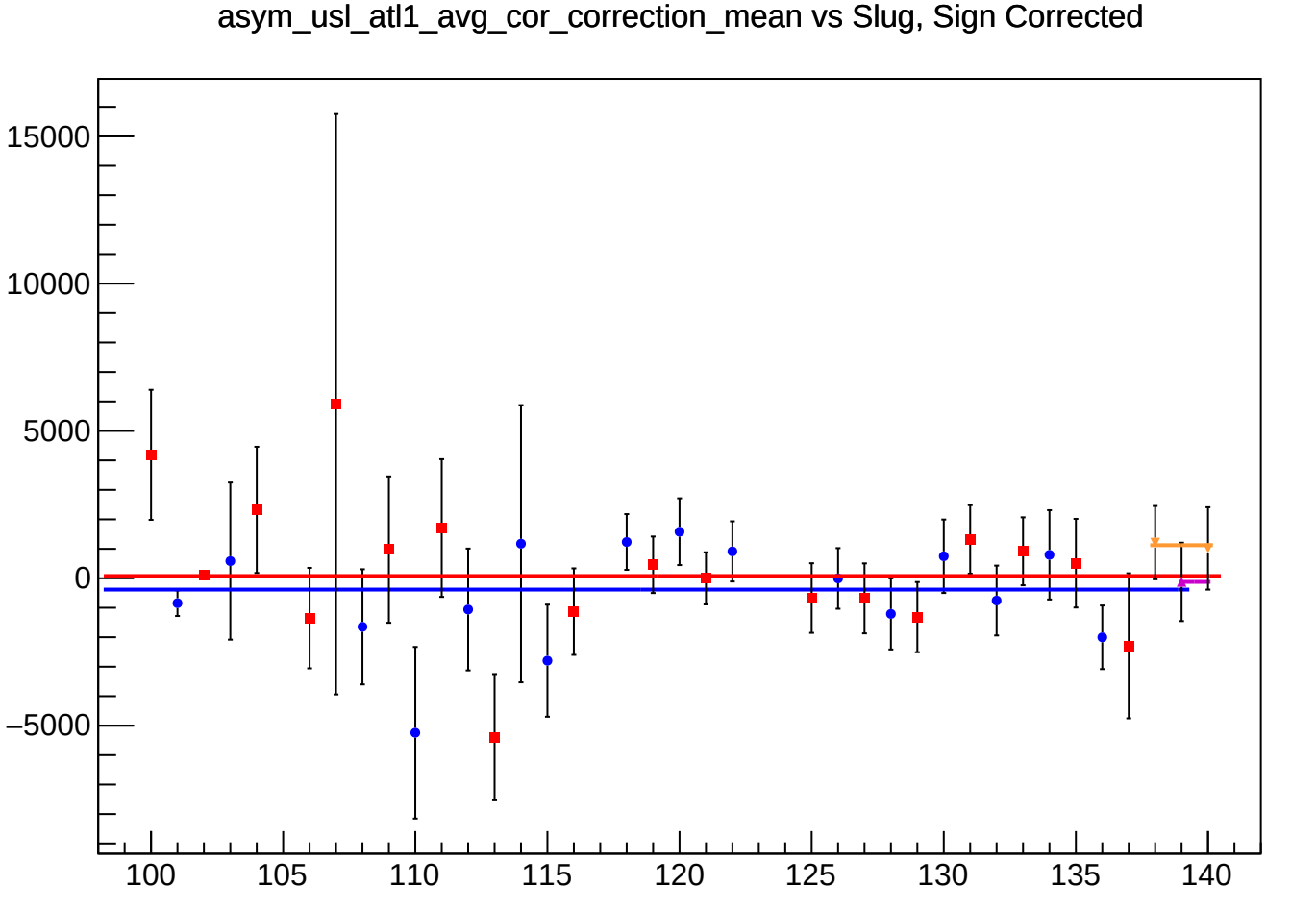
Left: 1473.267+/-0.663 χ^2/NDF: 48.5/2

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1526.835+/-0.381 χ^2/NDF:131863.6/16

Out: 1564.278+/-0.371 χ^2/NDF:189297.2/19

All: 1546.031+/-0.266 χ^2/NDF: 326111.6/36



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1123.053+/-928.698 χ^2/NDF:0.0/1

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -122.048+/-1329.273 χ^2/NDF:0.0/0

Left: 714.650+/-761.301 χ^2/NDF: 0.6/2

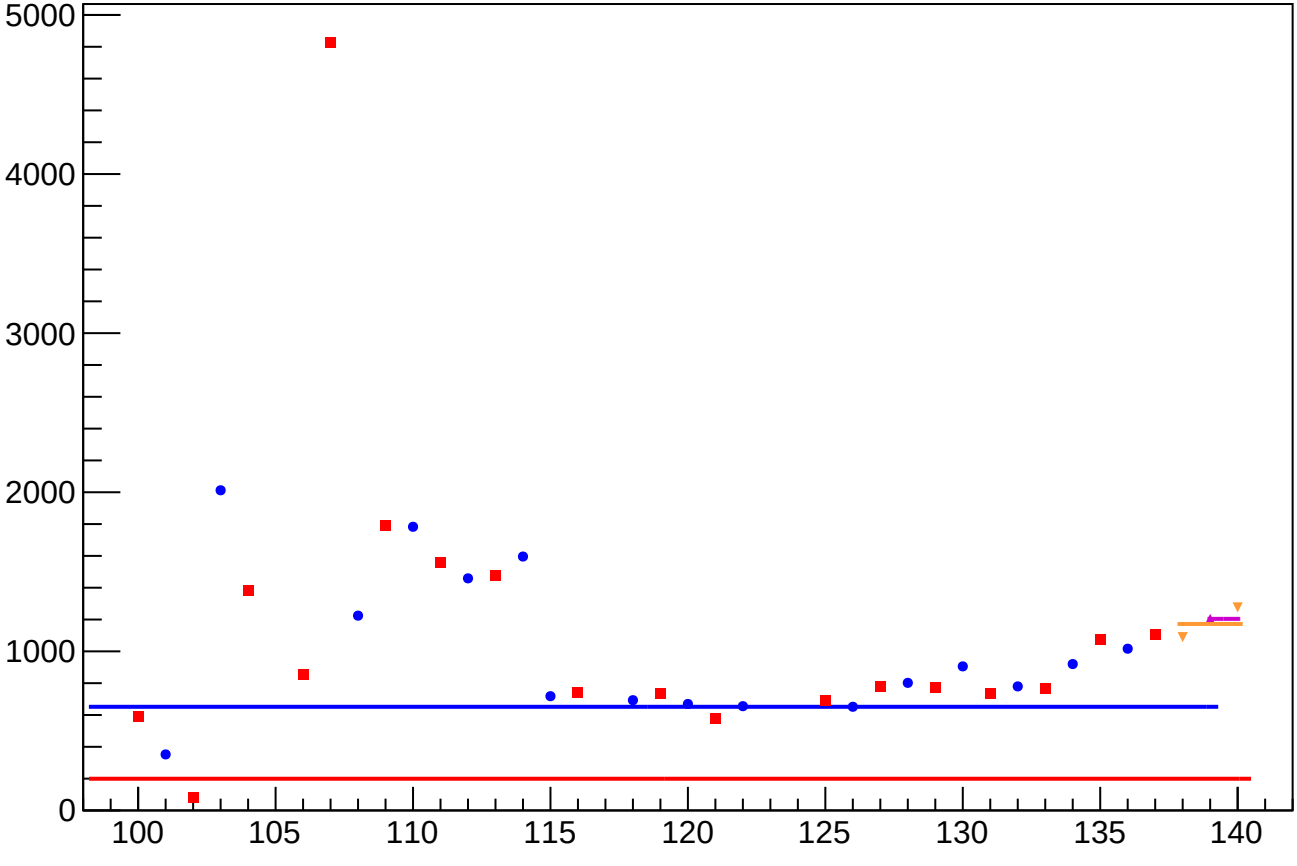
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -372.268+/-266.675 χ^2/NDF:18.2/16

Out: 99.402+/-136.634 χ^2/NDF:19.7/19

All: 1.327+/-121.602 χ^2/NDF: 40.4/36

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: 1172.077+/-0.657 χ^2/NDF:20002.4/1

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1204.285+/-0.940 χ^2/NDF:0.0/0

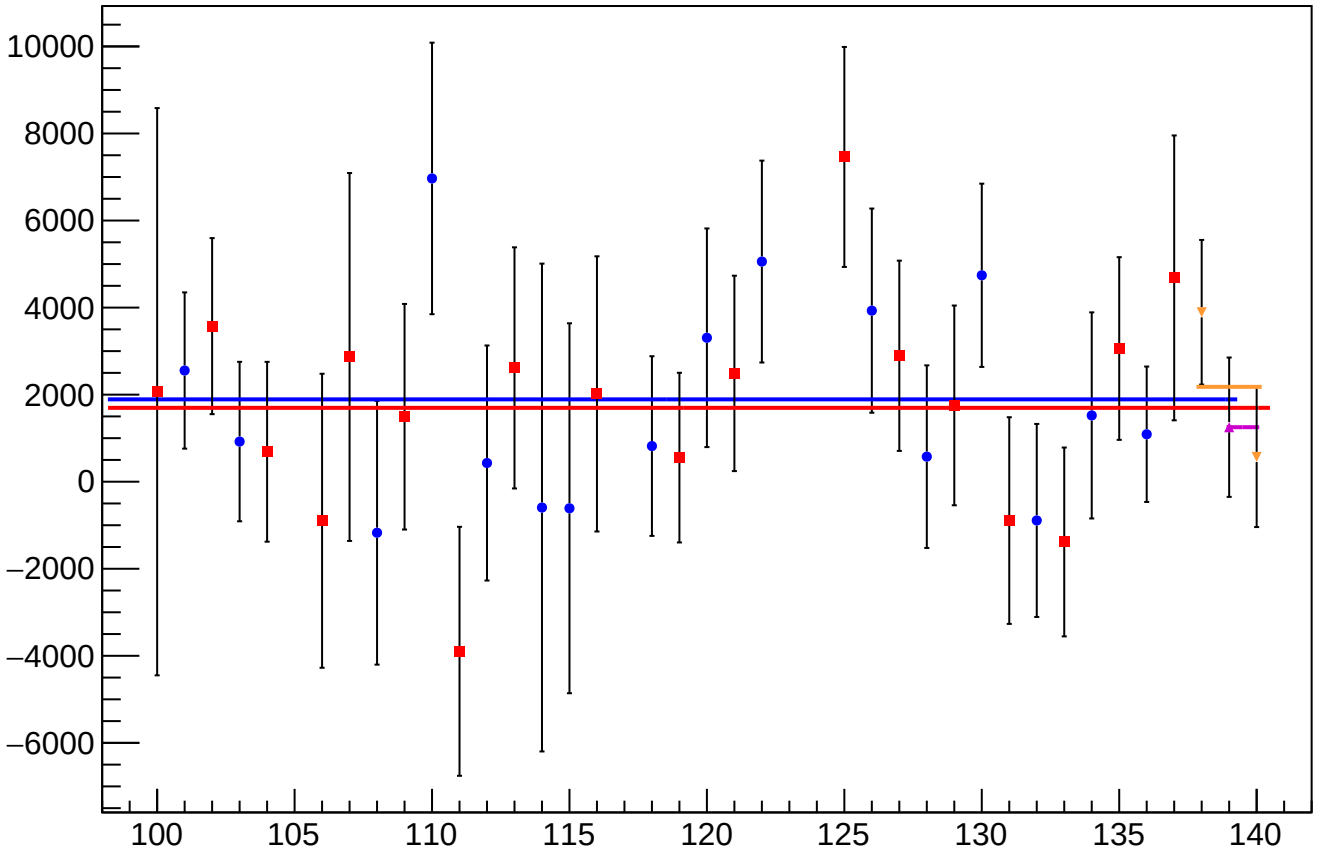
Left: 1182.641+/-0.538 χ^2/NDF: 20791.4/2

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 673.768+/-0.189 χ^2/NDF:3094605.9/16

Out: 220.399+/-0.097 χ^2/NDF:11451464.8/19

All: 314.668+/-0.086 χ^2/NDF: 19124688.7/36



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2179.207+/-1156.497 χ^2/NDF:2.1/1

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1252.167+/-1600.618 χ^2/NDF:0.0/0

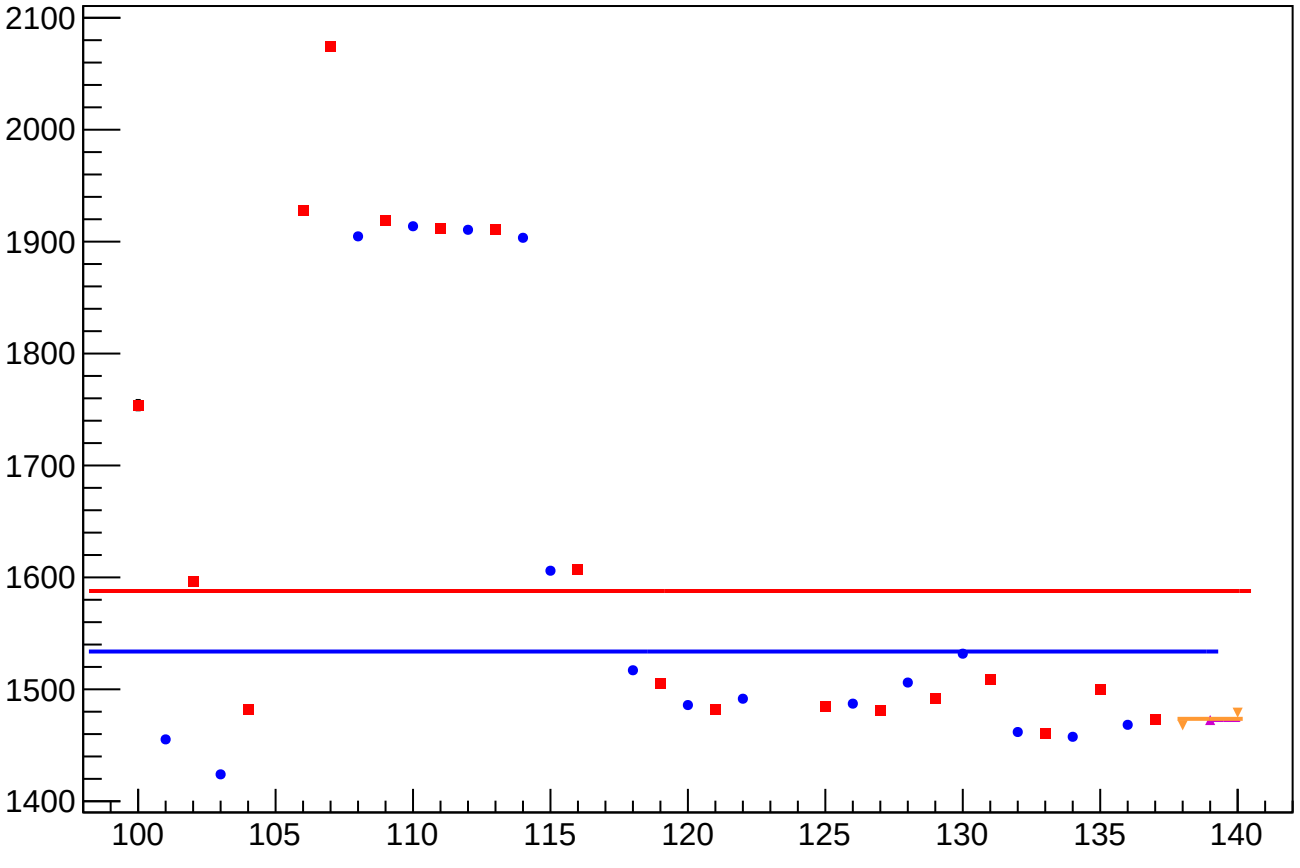
Left: 1861.240+/-937.411 χ^2/NDF: 2.3/2

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1819.099+/-538.843 χ^2/NDF:12.4/16

Out: 1796.493+/-525.346 χ^2/NDF:18.4/19

All: 1807.509+/-376.157 χ^2/NDF: 30.7/36



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1473.628+/-0.818 χ^2/NDF:47.9/1

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1472.575+/-1.132 χ^2/NDF:0.0/0

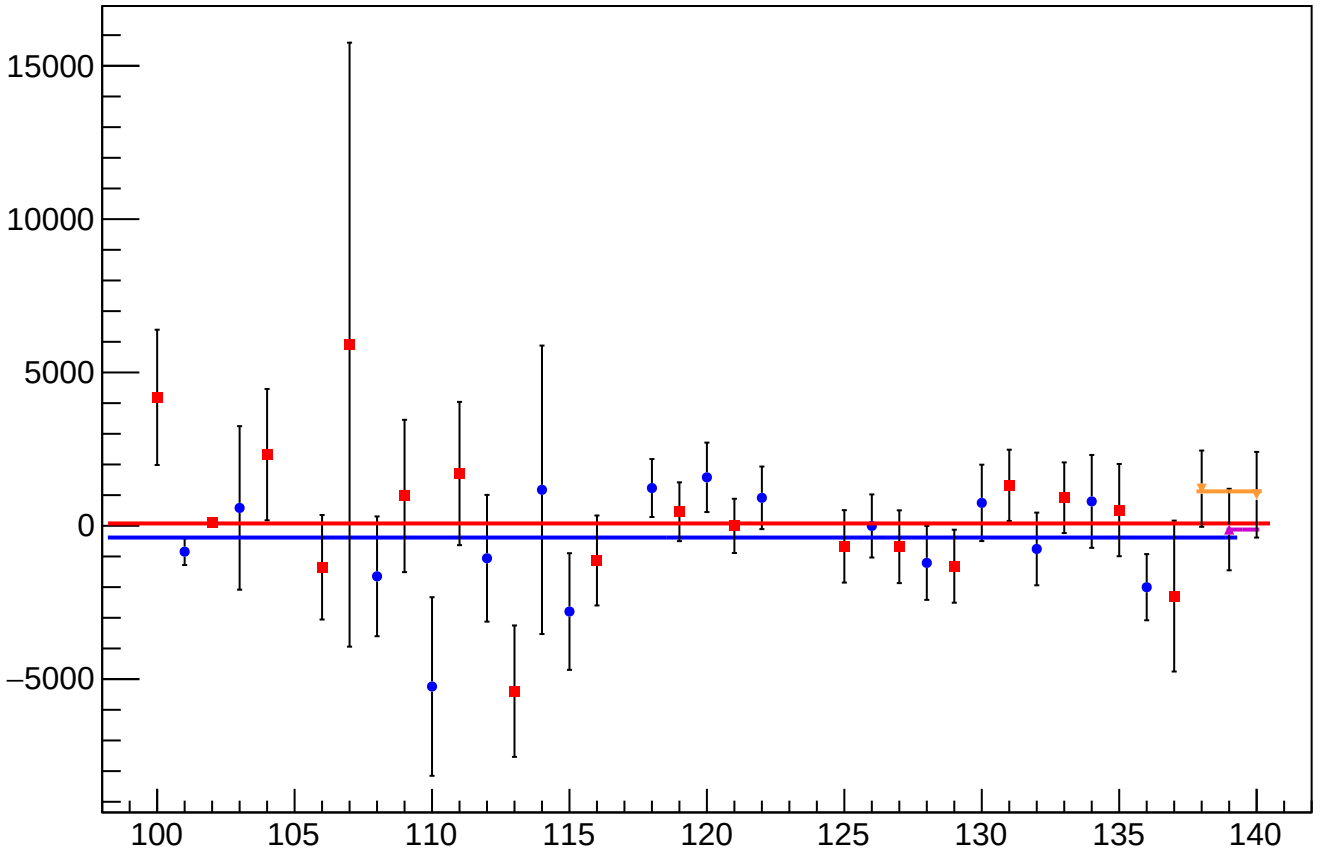
Left: 1473.267+/-0.663 χ^2/NDF: 48.5/2

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1526.835+/-0.381 χ^2/NDF:131863.6/16

Out: 1564.278+/-0.371 χ^2/NDF:189297.2/19

All: 1546.031+/-0.266 χ^2/NDF: 326111.6/36



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1123.053+/-928.698 χ^2/NDF:0.0/1

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -122.048+/-1329.273 χ^2/NDF:0.0/0

Left: 714.650+/-761.301 χ^2/NDF: 0.6/2

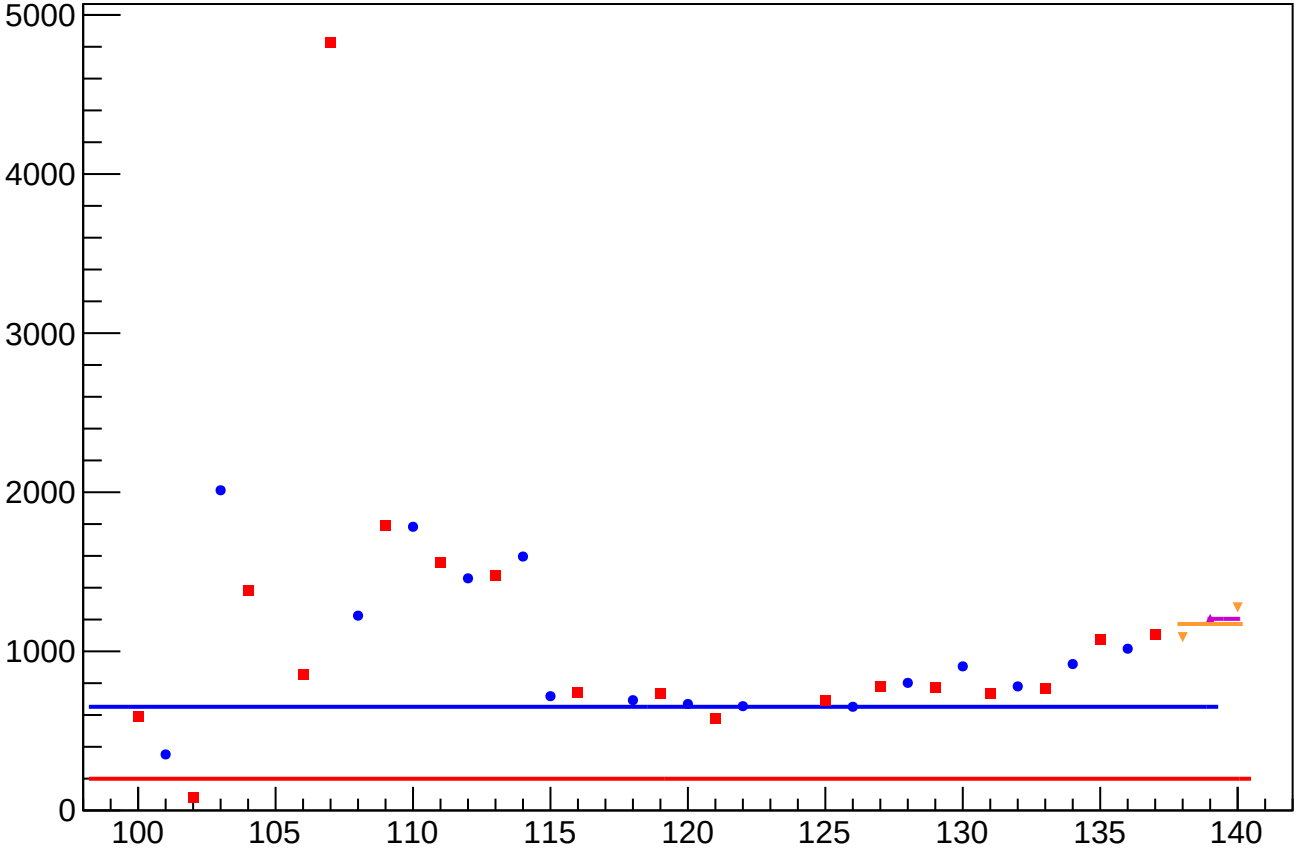
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -372.268+/-266.675 χ^2/NDF:18.2/16

Out: 99.402+/-136.634 χ^2/NDF:19.7/19

All: 1.327+/-121.602 χ^2/NDF: 40.4/36

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1172.077+/-0.657 χ^2/NDF:20002.4/1

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1204.285+/-0.940 χ^2/NDF:0.0/0

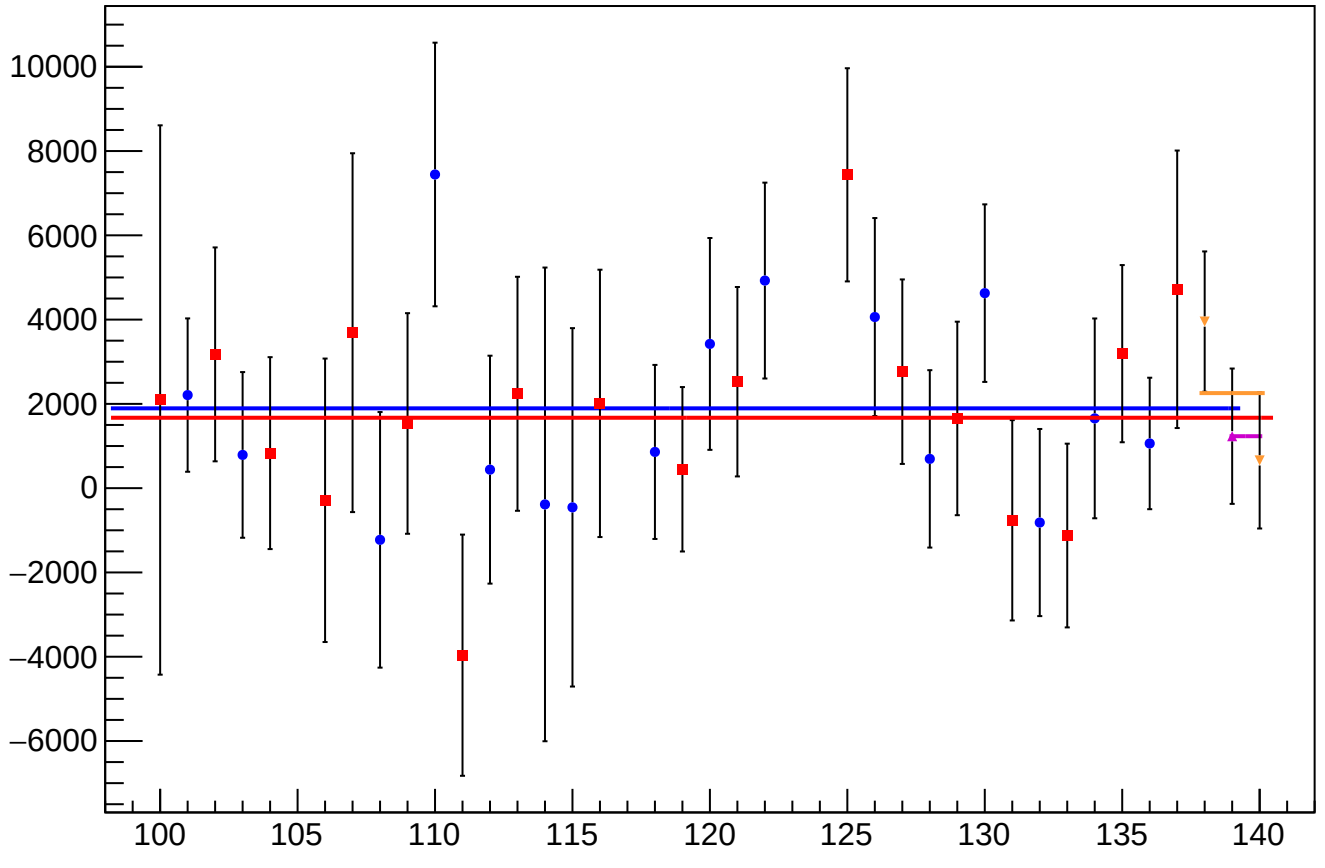
Left: 1182.641+/-0.538 χ^2/NDF: 20791.4/2

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 673.768+/-0.189 χ^2/NDF:3094605.9/16

Out: 220.399+/-0.097 χ^2/NDF:11451464.8/19

All: 314.668+/-0.086 χ^2/NDF: 19124688.7/36



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 2255.871+/-1159.516 χ^2/NDF:2.0/1

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1232.987+/-1605.778 χ^2/NDF:0.0/0

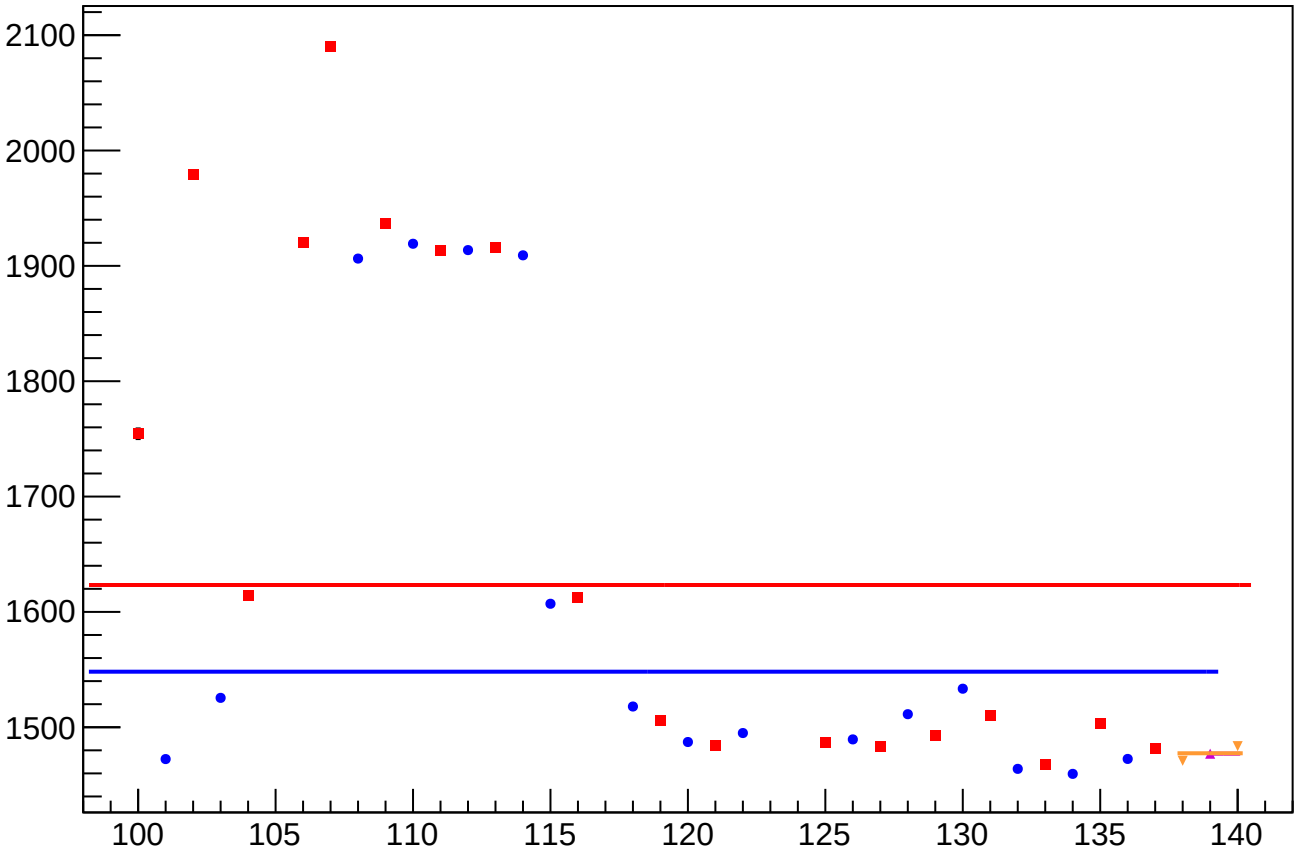
Left: 1905.312+/-940.054 χ^2/NDF: 2.3/2

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1818.417+/-543.534 χ^2/NDF:12.4/16

Out: 1796.050+/-536.264 χ^2/NDF:17.3/19

All: 1807.083+/-381.740 χ^2/NDF: 29.7/36



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1477.456+/-0.820 χ^2/NDF:59.4/1

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1477.078+/-1.135 χ^2/NDF:0.0/0

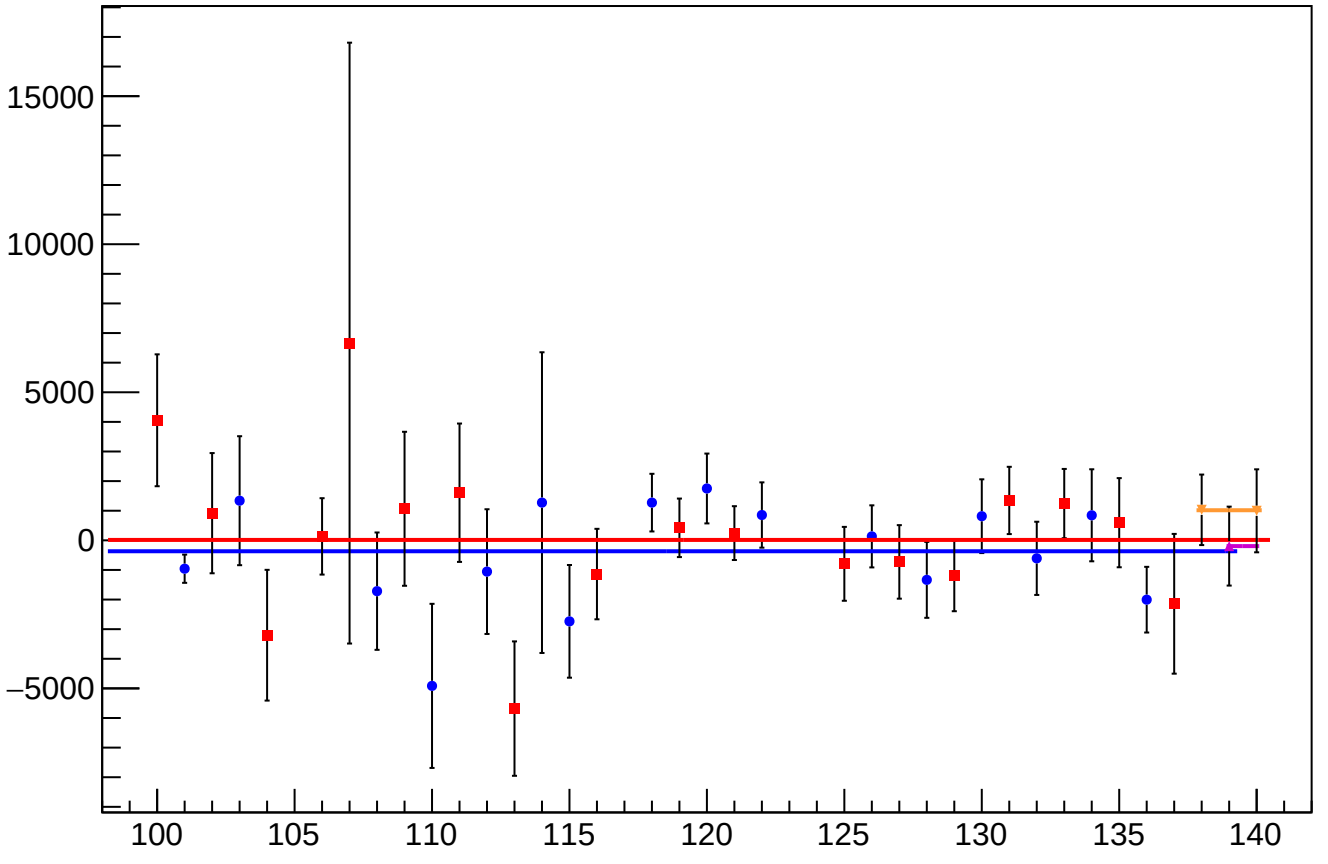
Left: 1477.327+/-0.665 χ^2/NDF: 59.5/2

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1540.028+/-0.384 χ^2/NDF:123376.6/16

Out: 1592.128+/-0.379 χ^2/NDF:236477.2/19

All: 1566.429+/-0.270 χ^2/NDF: 369165.6/36



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 1016.362+/-907.295 χ^2/NDF:0.0/1

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: -194.940+/-1332.964 χ^2/NDF:0.0/0

Left: 632.849+/-750.036 χ^2/NDF: 0.6/2

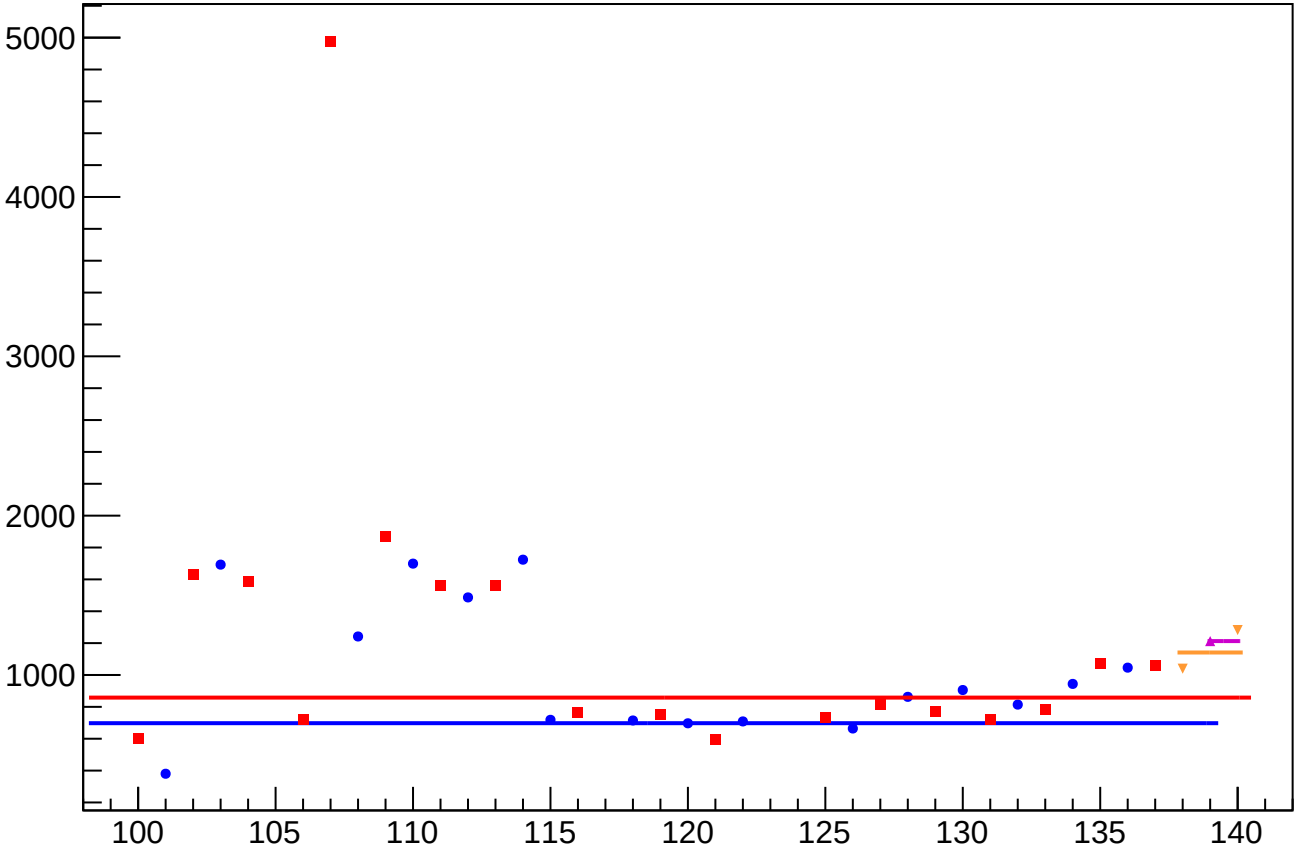
Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -361.031+/-280.175 χ^2/NDF:18.9/16

Out: 138.192+/-319.666 χ^2/NDF:20.1/19

All: -144.145+/-210.700 χ^2/NDF: 40.4/36

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1141.154+/-0.642 χ^2/NDF:34774.9/1

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1212.743+/-0.943 χ^2/NDF:0.0/0

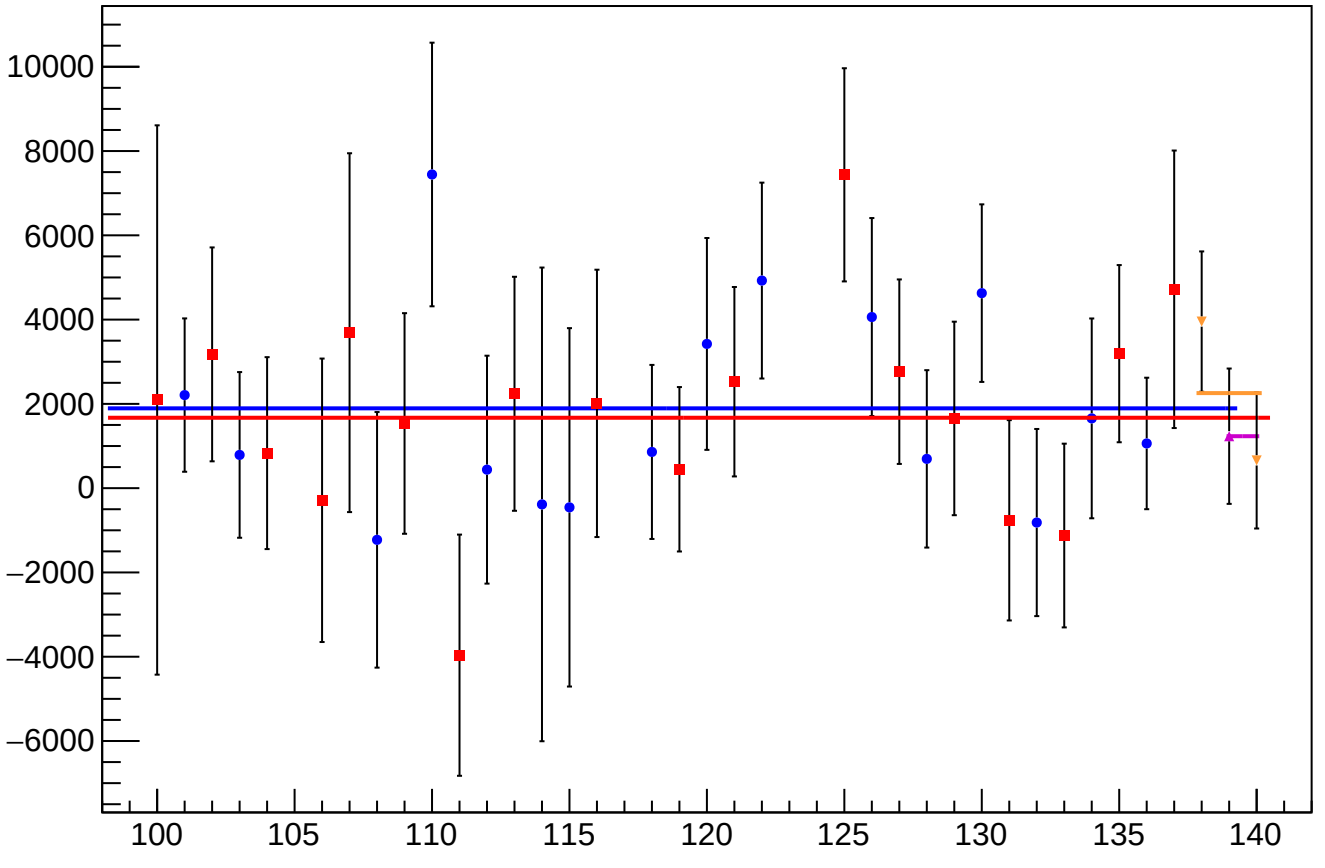
Left: 1163.820+/-0.530 χ^2/NDF: 38717.2/2

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 720.279+/-0.198 χ^2/NDF:2721206.2/16

Out: 893.233+/-0.226 χ^2/NDF:2087438.6/19

All: 795.418+/-0.149 χ^2/NDF: 5139753.7/36



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 2255.875+/-1159.516 χ^2/NDF:2.0/1

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1232.991+/-1605.778 χ^2/NDF:0.0/0

Left: 1905.315+/-940.054 χ^2/NDF: 2.3/2

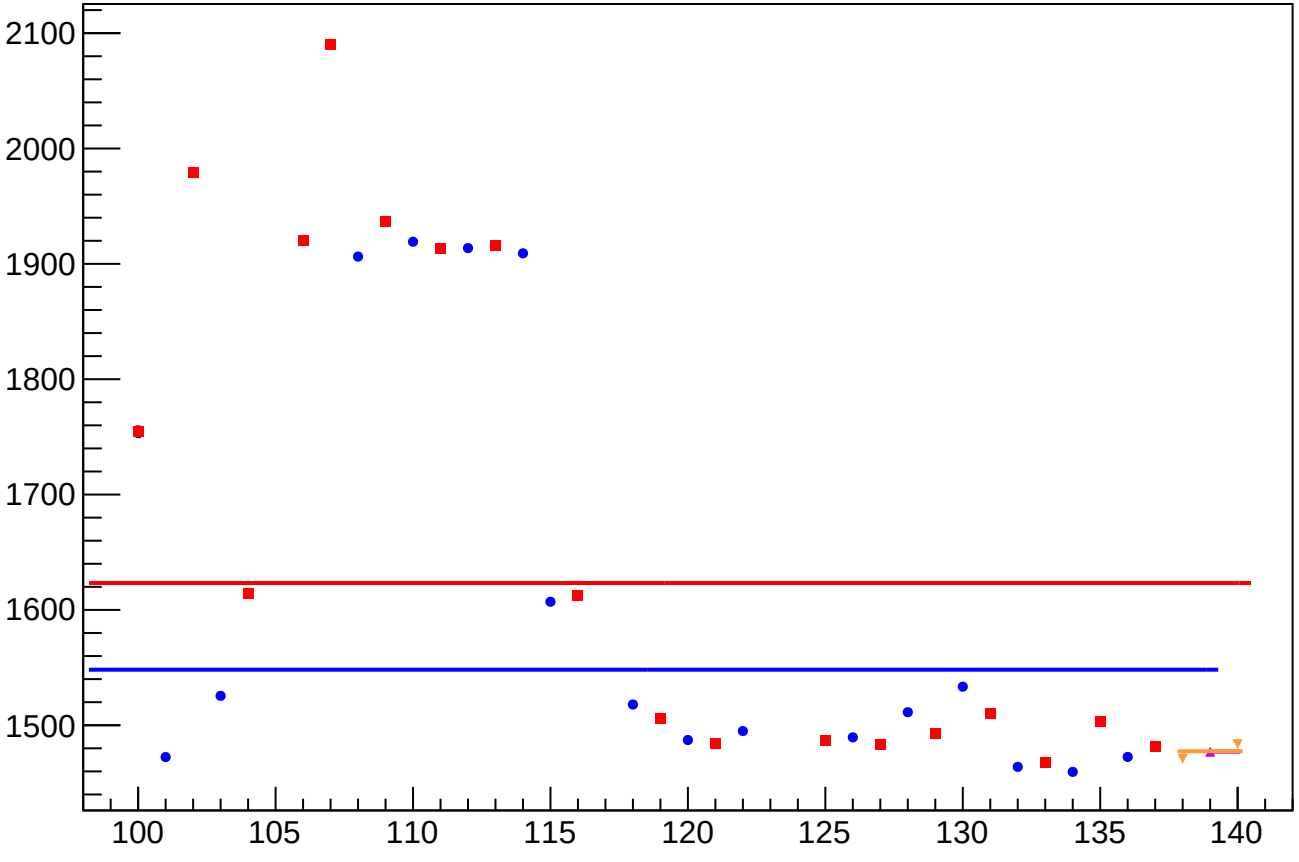
Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1818.416+/-543.534 χ^2/NDF:12.4/16

Out: 1796.048+/-536.264 χ^2/NDF:17.3/19

All: 1807.082+/-381.740 χ^2/NDF: 29.7/36

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1477.456+/-0.820 χ^2/NDF:59.4/1

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1477.078+/-1.135 χ^2/NDF:0.0/0

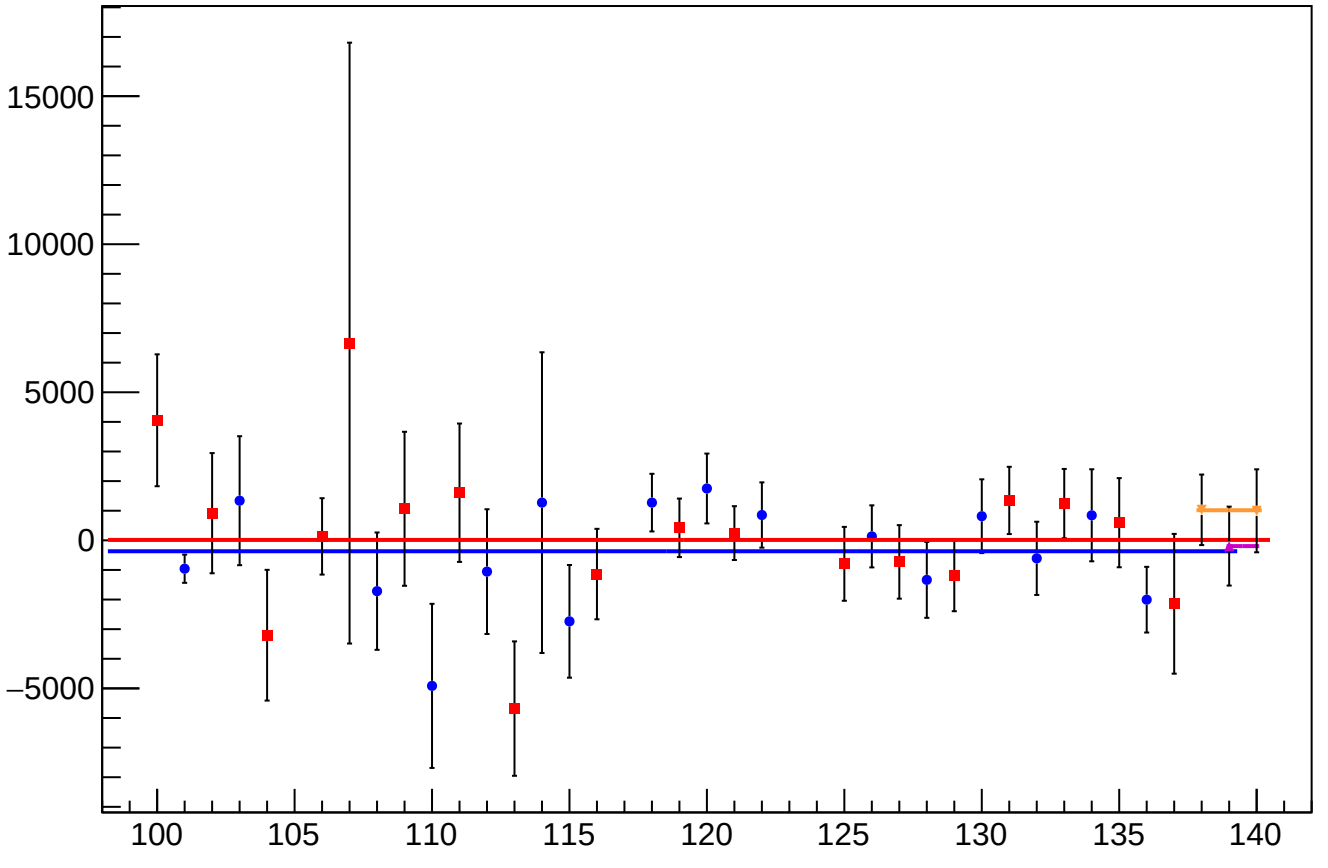
Left: 1477.327+/-0.665 χ^2/NDF: 59.5/2

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1540.028+/-0.384 χ^2/NDF:123376.7/16

Out: 1592.128+/-0.379 χ^2/NDF:236476.9/19

All: 1566.429+/-0.270 χ^2/NDF: 369165.4/36



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 1016.365+/-907.296 χ^2/NDF:0.0/1

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: -194.936+/-1332.965 χ^2/NDF:0.0/0

Left: 632.853+/-750.037 χ^2/NDF: 0.6/2

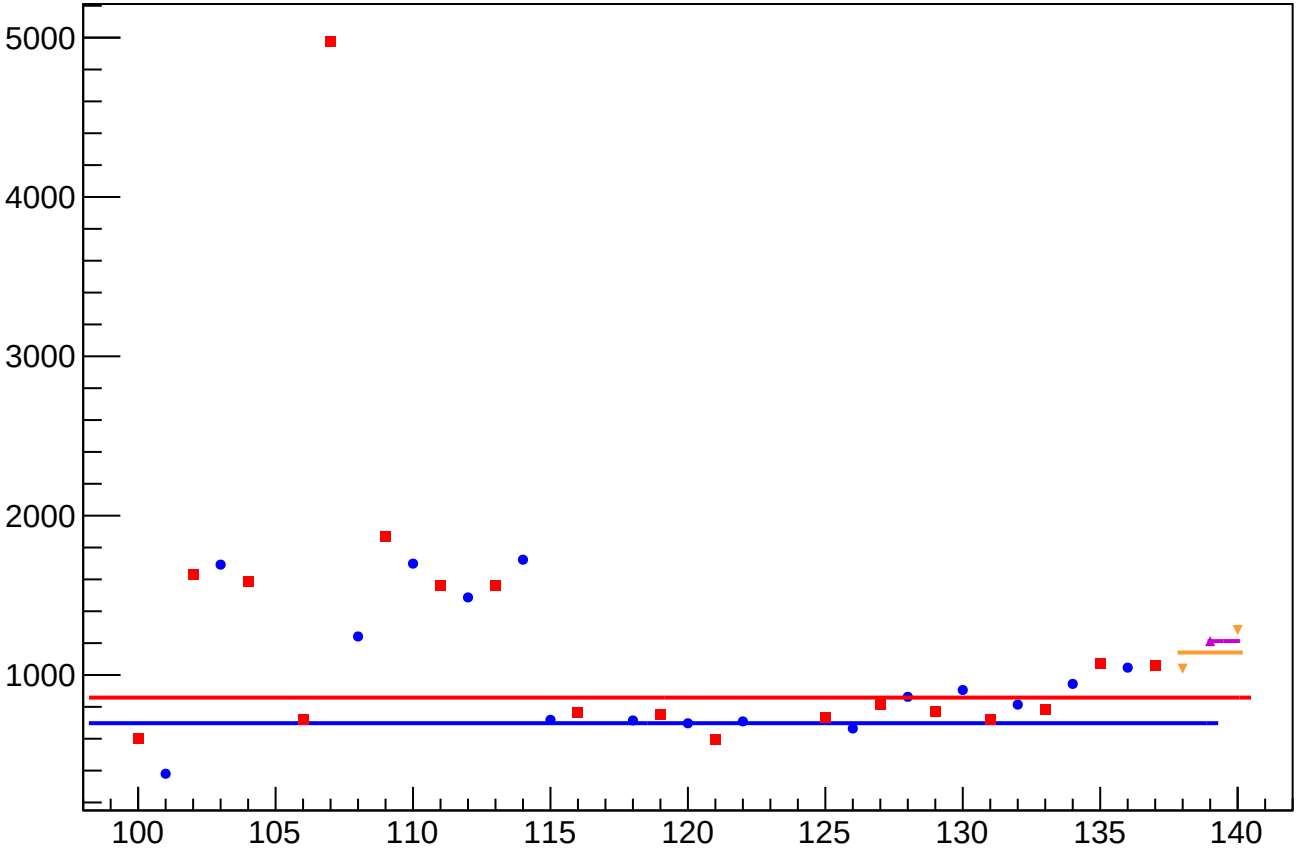
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -361.030+/-280.175 χ^2/NDF:18.9/16

Out: 138.192+/-319.666 χ^2/NDF:20.1/19

All: -144.144+/-210.700 χ^2/NDF: 40.4/36

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1141.155+/-0.642 χ^2/NDF:34775.0/1

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1212.744+/-0.943 χ^2/NDF:0.0/0

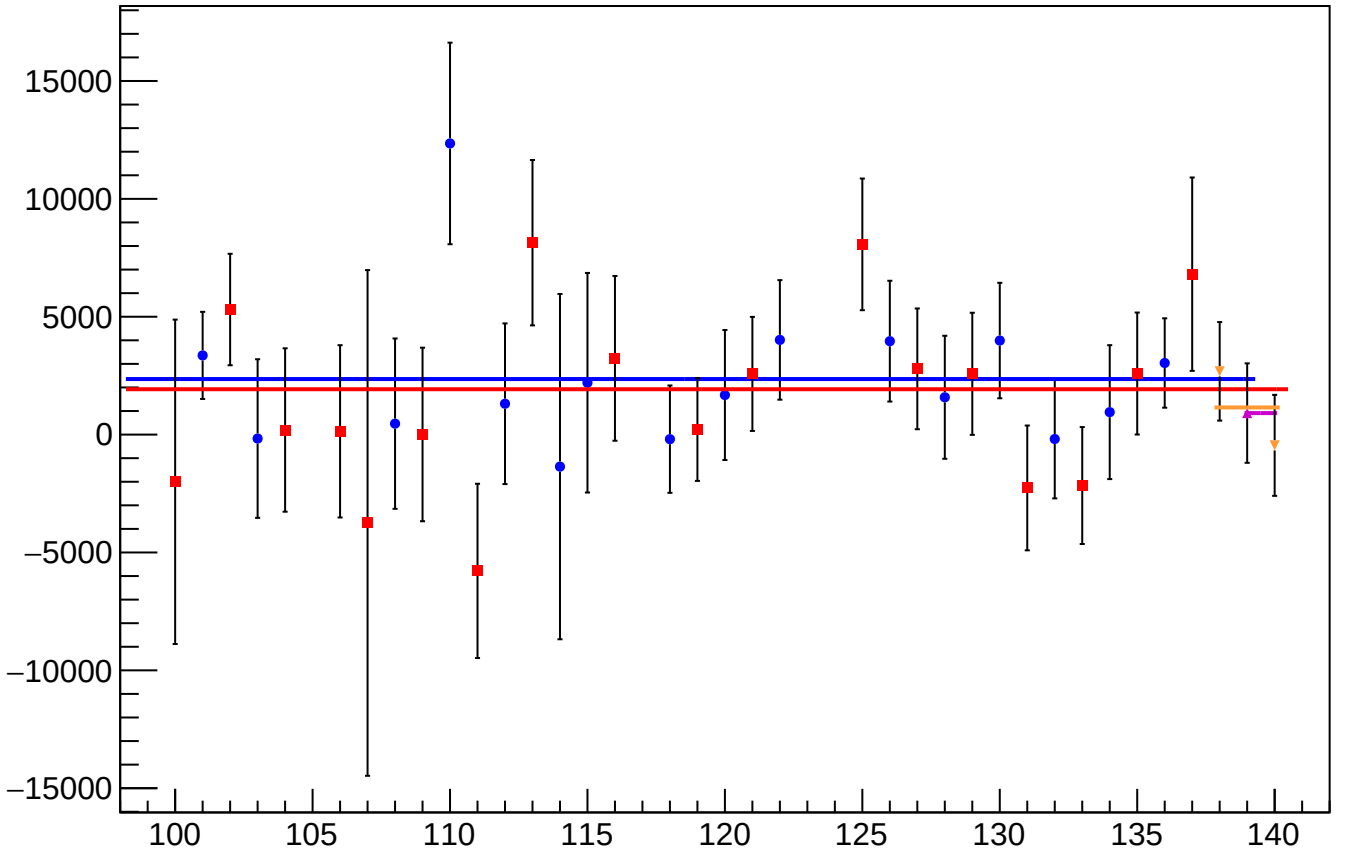
Left: 1163.821+/-0.530 χ^2/NDF: 38717.4/2

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 720.279+/-0.198 χ^2/NDF:2721199.8/16

Out: 893.232+/-0.226 χ^2/NDF:2087451.5/19

All: 795.418+/-0.149 χ^2/NDF: 5139755.0/36



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1151.887+/-1495.957 χ^2/NDF:1.1/1

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 912.451+/-2109.910 χ^2/NDF:0.0/0

Left: 1071.788+/-1220.345 χ^2/NDF: 1.1/2

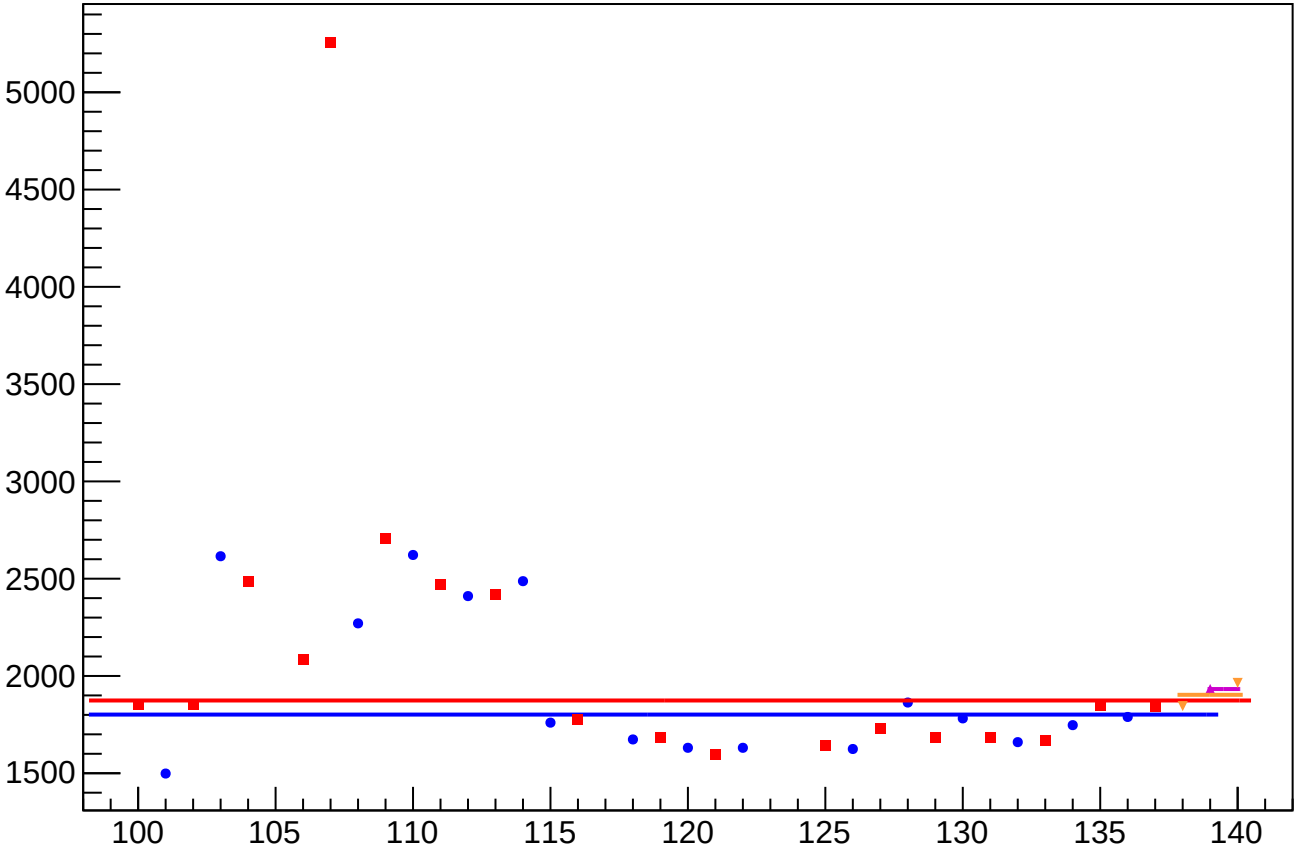
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 2221.454+/-646.306 χ^2/NDF:11.4/16

Out: 1783.766+/-639.068 χ^2/NDF:24.8/19

All: 2000.145+/-454.427 χ^2/NDF: 36.4/36

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1903.095+/-1.058 χ^2/NDF:3181.7/1

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1932.836+/-1.492 χ^2/NDF:0.0/0

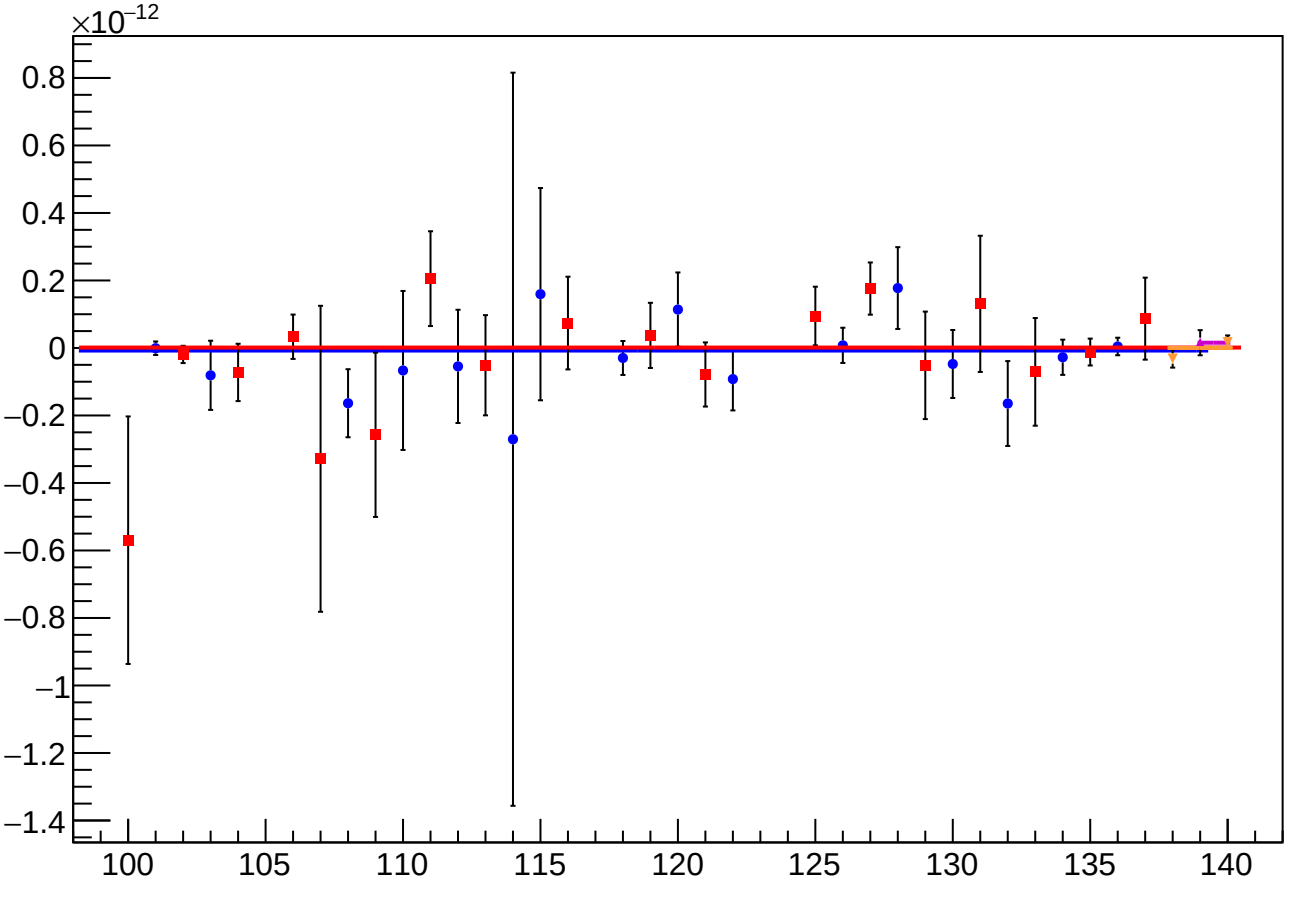
Left: 1913.044+/-0.863 χ^2/NDF: 3446.1/2

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1813.850+/-0.457 χ^2/NDF:407721.7/16

Out: 1879.290+/-0.452 χ^2/NDF:573710.2/19

All: 1846.938+/-0.321 χ^2/NDF: 991799.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

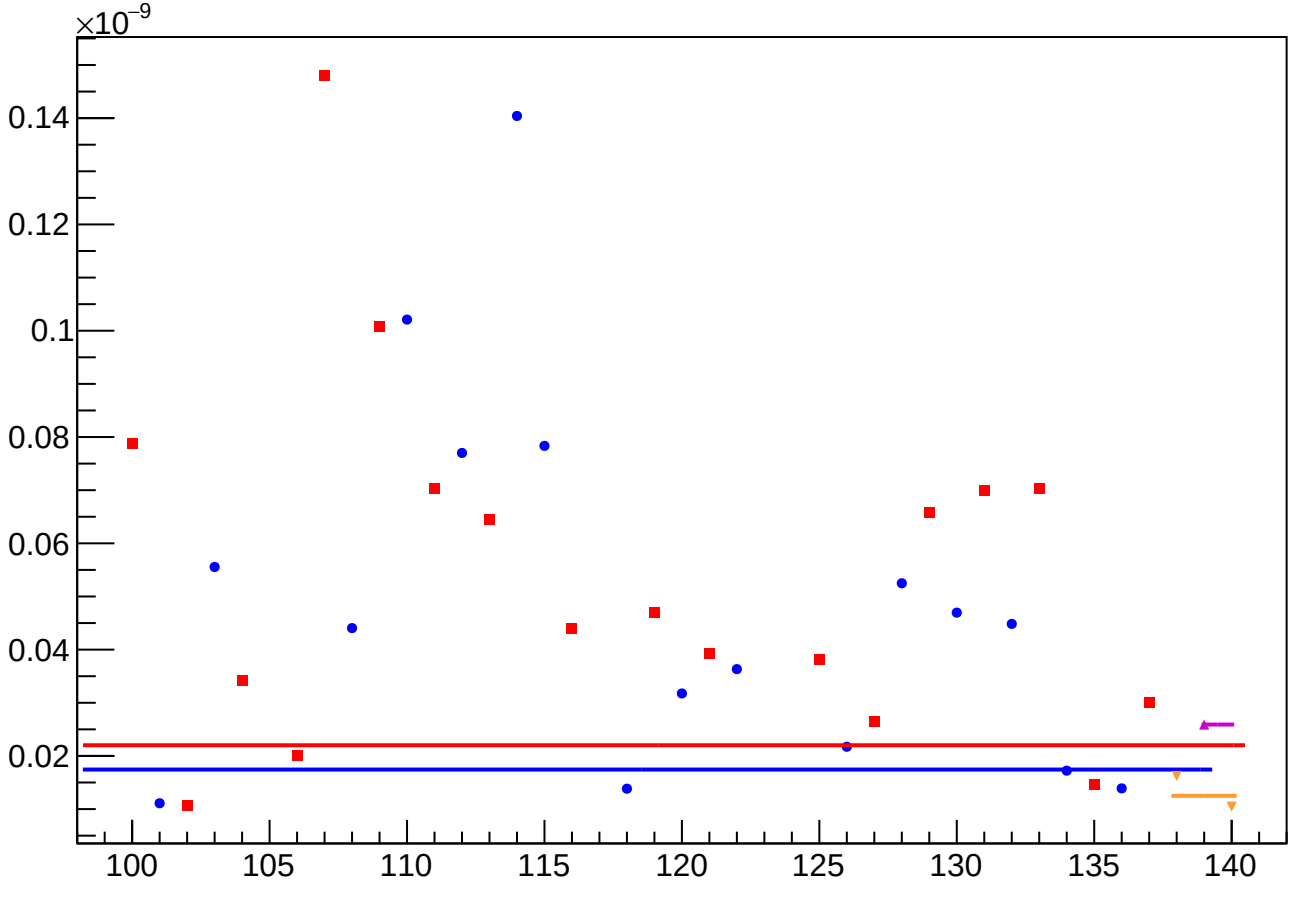
Left: 0.000+/-0.000 χ^2/NDF: 2.3/2

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:10.6/16

Out: 0.000+/-0.000 χ^2/NDF:18.8/19

All: -0.000+/-0.000 χ^2/NDF: 29.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:59856.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

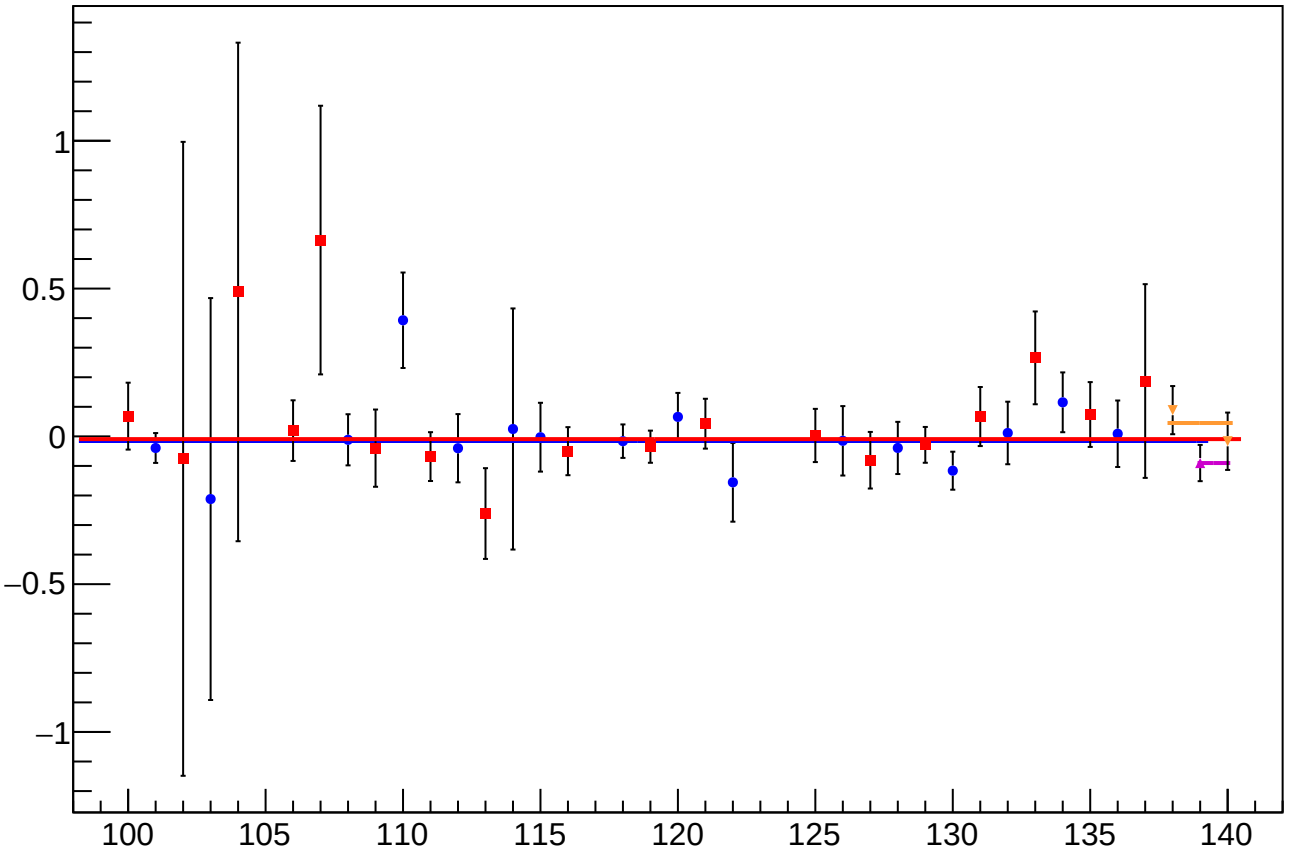
Left: 0.000+/-0.000 χ^2/NDF: 278327.2/2

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:1931852.9/16

Out: 0.000+/-0.000 χ^2/NDF:2487479.8/19

All: 0.000+/-0.000 χ^2/NDF: 4433854.0/36



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.045+/-0.062 χ^2/NDF:0.7/1

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.090+/-0.061 χ^2/NDF:0.0/0

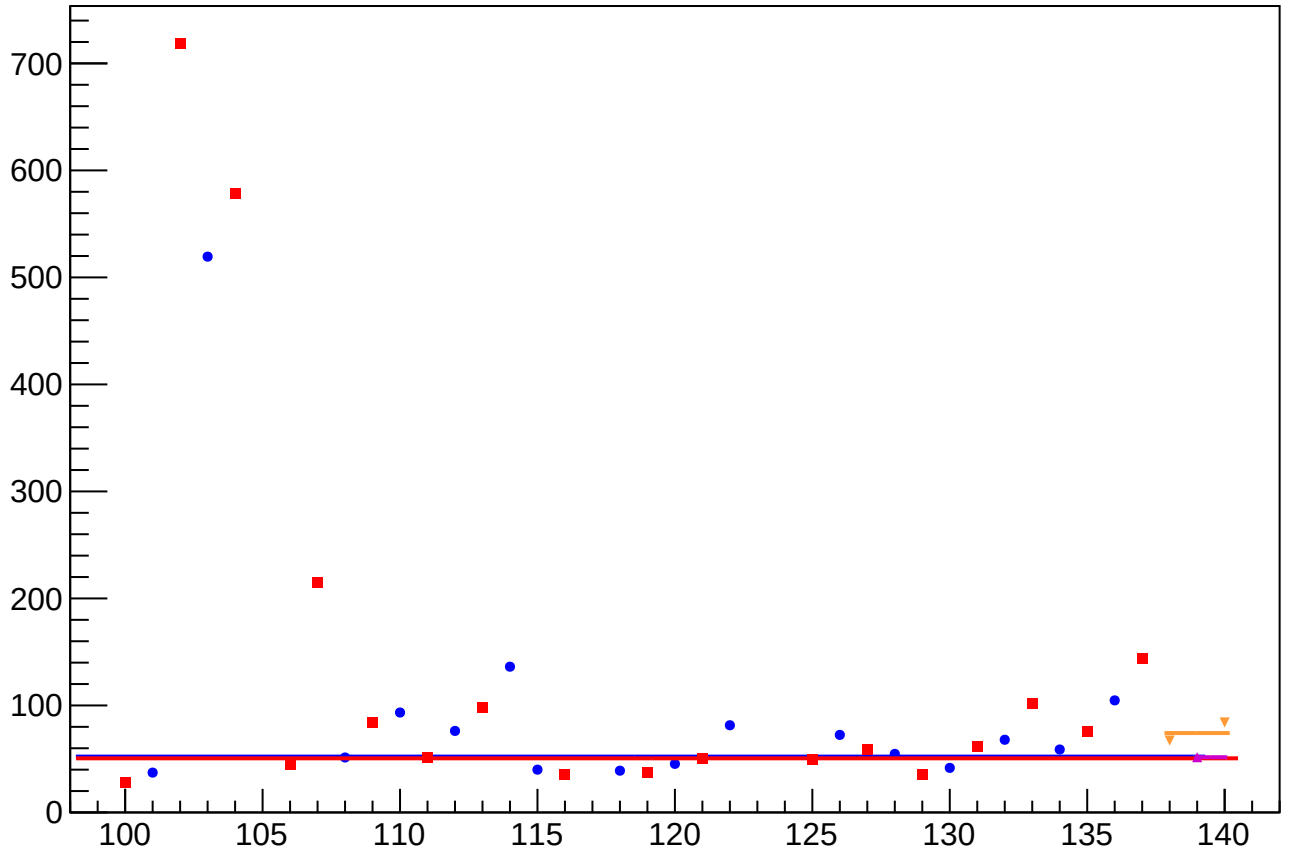
Left: -0.024+/-0.044 χ^2/NDF: 3.1/2

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.025+/-0.021 χ^2/NDF:14.5/16

Out: -0.002+/-0.022 χ^2/NDF:13.8/19

All: -0.014+/-0.015 χ^2/NDF: 28.8/36



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 74.199+/-0.044 χ^2/NDF:35543.7/1

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 51.628+/-0.043 χ^2/NDF:0.0/0

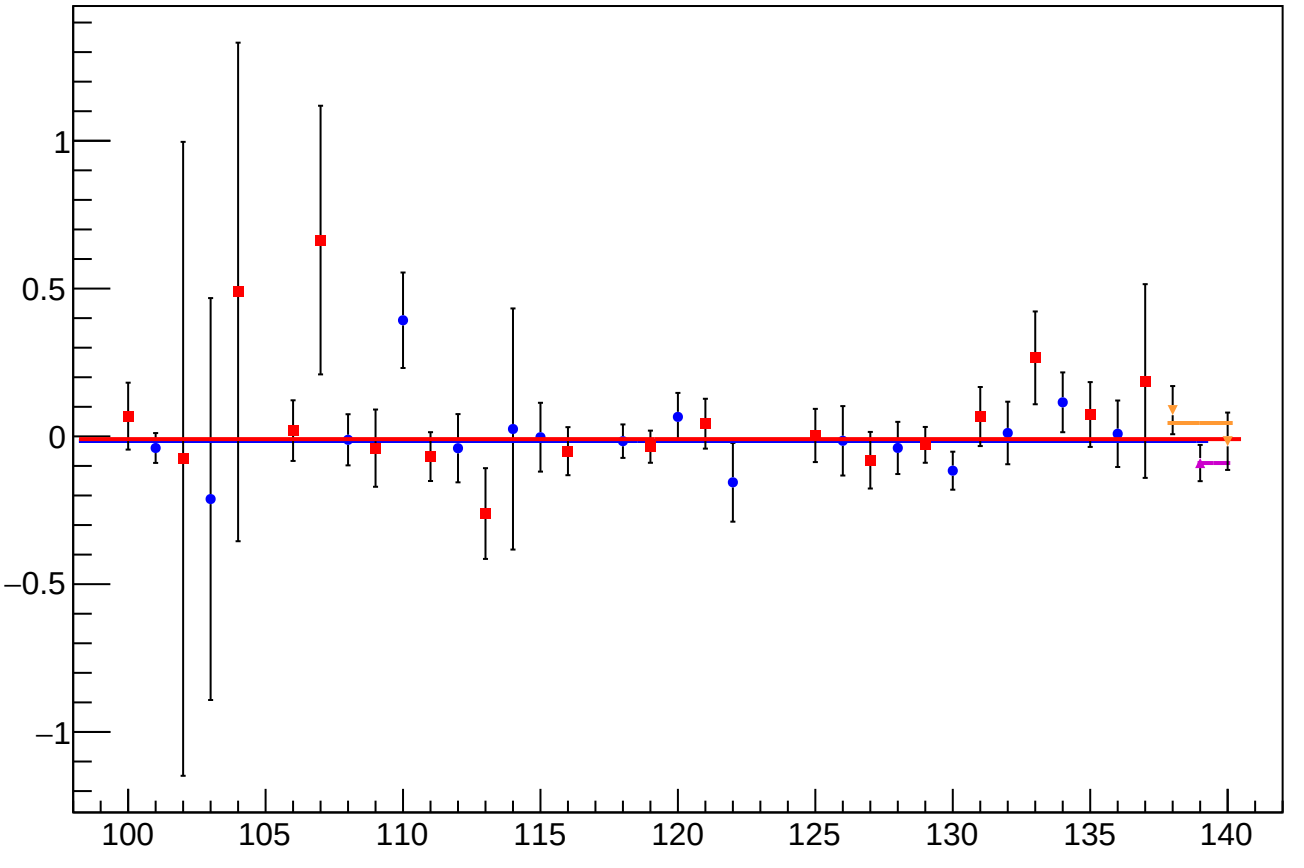
Left: 62.719+/-0.031 χ^2/NDF: 168691.3/2

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 52.123+/-0.015 χ^2/NDF:2267076.0/16

Out: 53.538+/-0.016 χ^2/NDF:3337673.6/19

All: 52.803+/-0.011 χ^2/NDF: 5609014.3/36



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.045+/-0.062 χ^2/NDF:0.7/1

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.090+/-0.061 χ^2/NDF:0.0/0

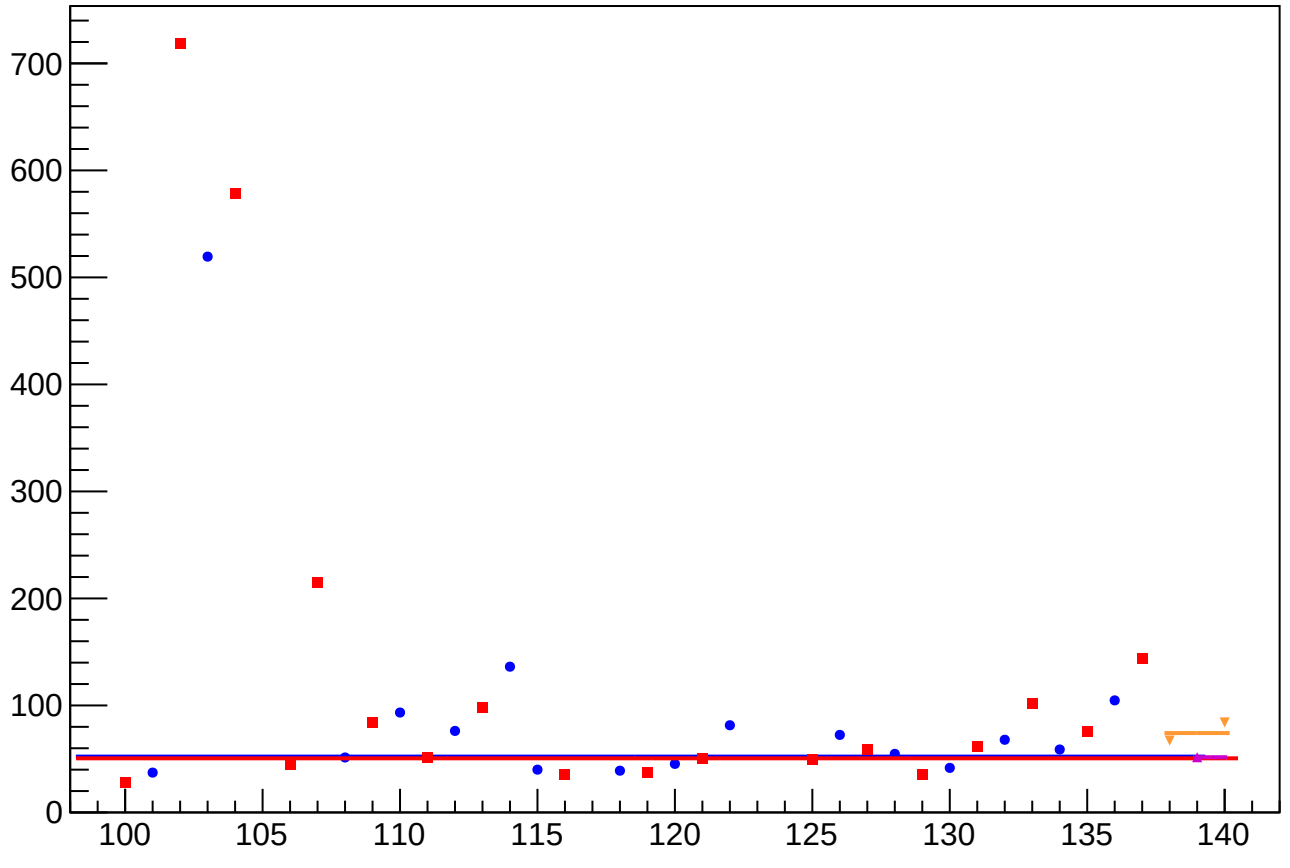
Left: -0.024+/-0.044 χ^2/NDF: 3.1/2

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.025+/-0.021 χ^2/NDF:14.5/16

Out: -0.002+/-0.022 χ^2/NDF:13.8/19

All: -0.014+/-0.015 χ^2/NDF: 28.8/36



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 74.199+/-0.044 χ^2/NDF:35543.7/1

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 51.628+/-0.043 χ^2/NDF:0.0/0

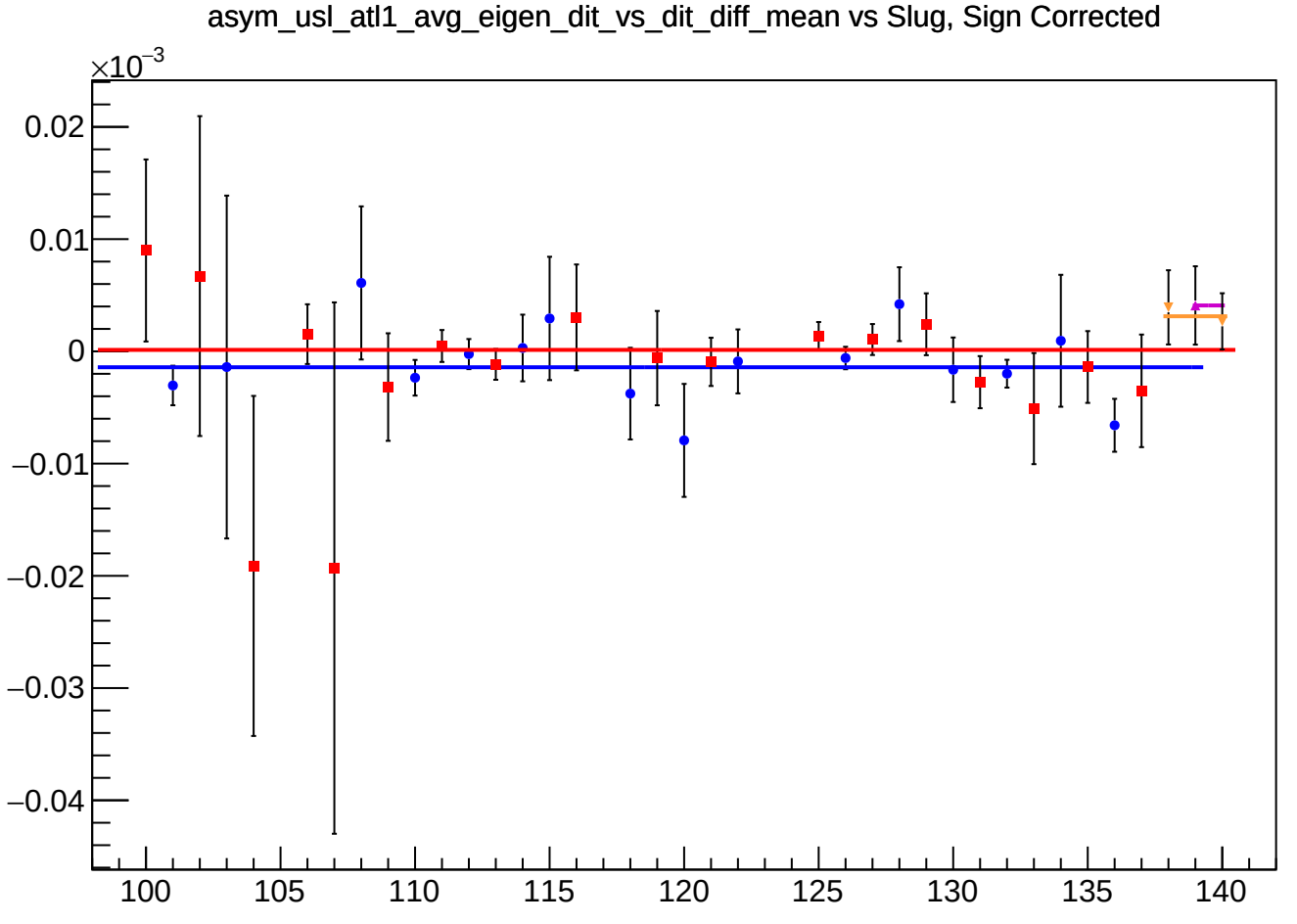
Left: 62.719+/-0.031 χ^2/NDF: 168691.3/2

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 52.123+/-0.015 χ^2/NDF:2267076.0/16

Out: 53.538+/-0.016 χ^2/NDF:3337673.6/19

All: 52.803+/-0.011 χ^2/NDF: 5609014.3/36



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.1/2

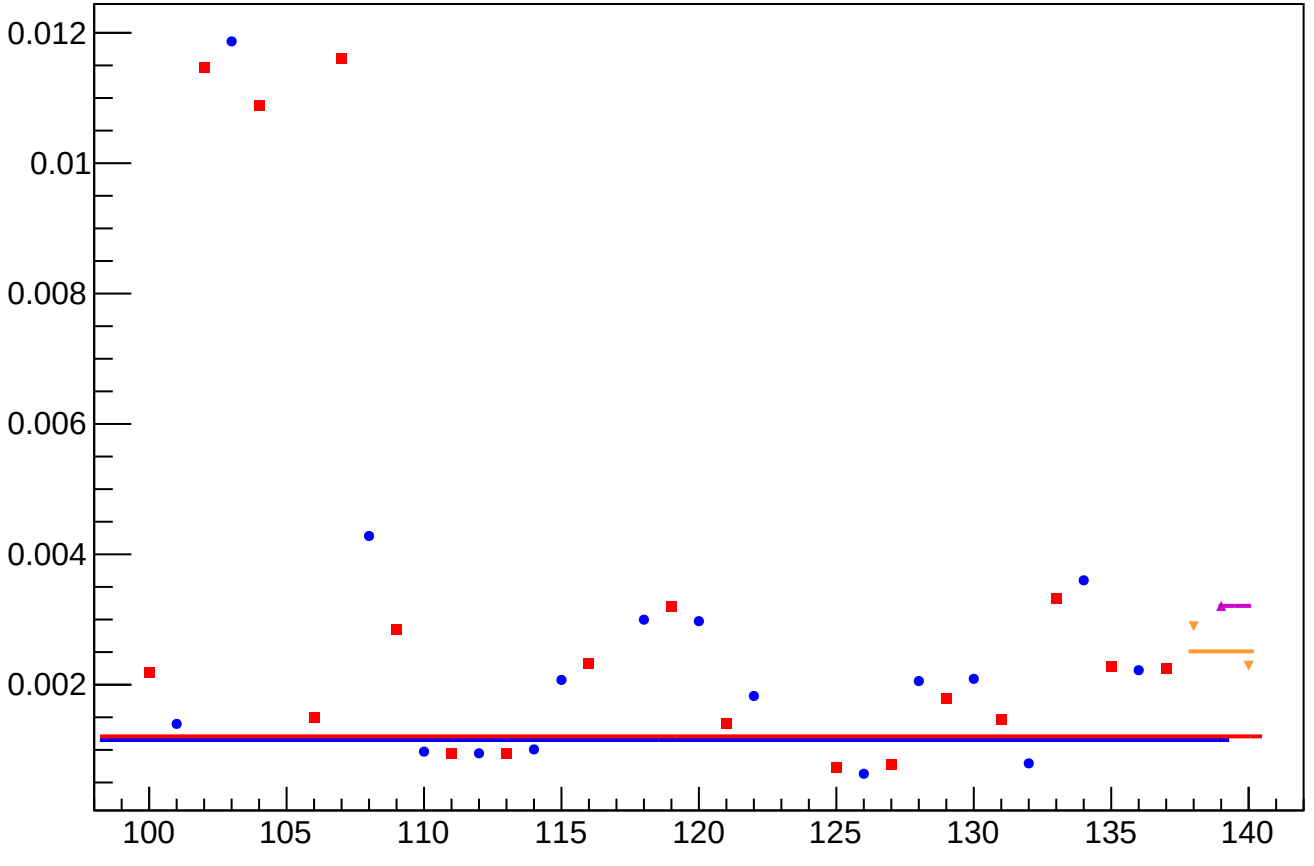
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:17.4/16

Out: 0.000+/-0.000 χ^2/NDF:13.8/19

All: -0.000+/-0.000 χ^2/NDF: 36.1/36

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:42419.4/1

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

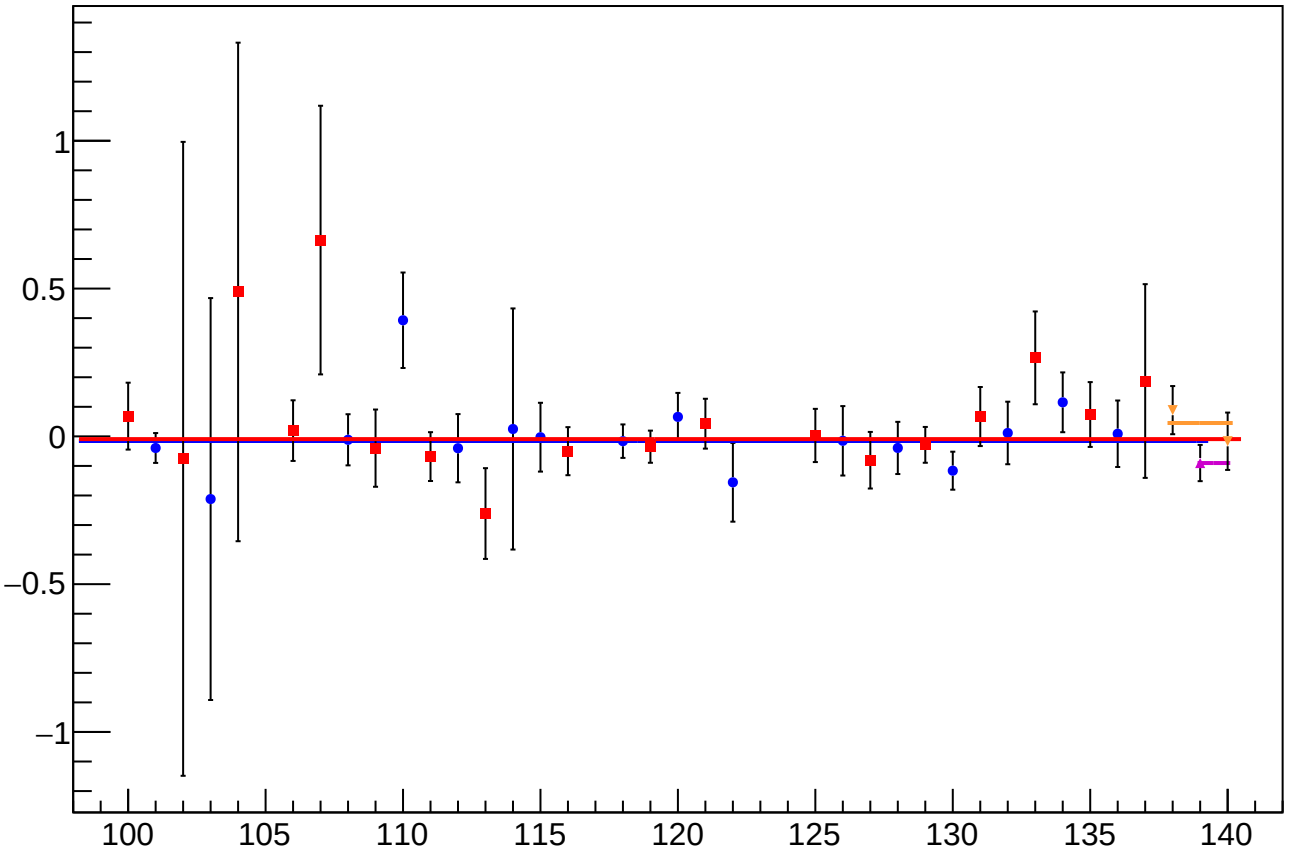
Left: 0.003+/-0.000 χ^2/NDF: 102584.1/2

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:4867798.6/16

Out: 0.001+/-0.000 χ^2/NDF:5355908.3/19

All: 0.001+/-0.000 χ^2/NDF: 10264421.6/36



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.045+/-0.062 χ^2/NDF:0.7/1

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.090+/-0.061 χ^2/NDF:0.0/0

Left: -0.024+/-0.044 χ^2/NDF: 3.1/2

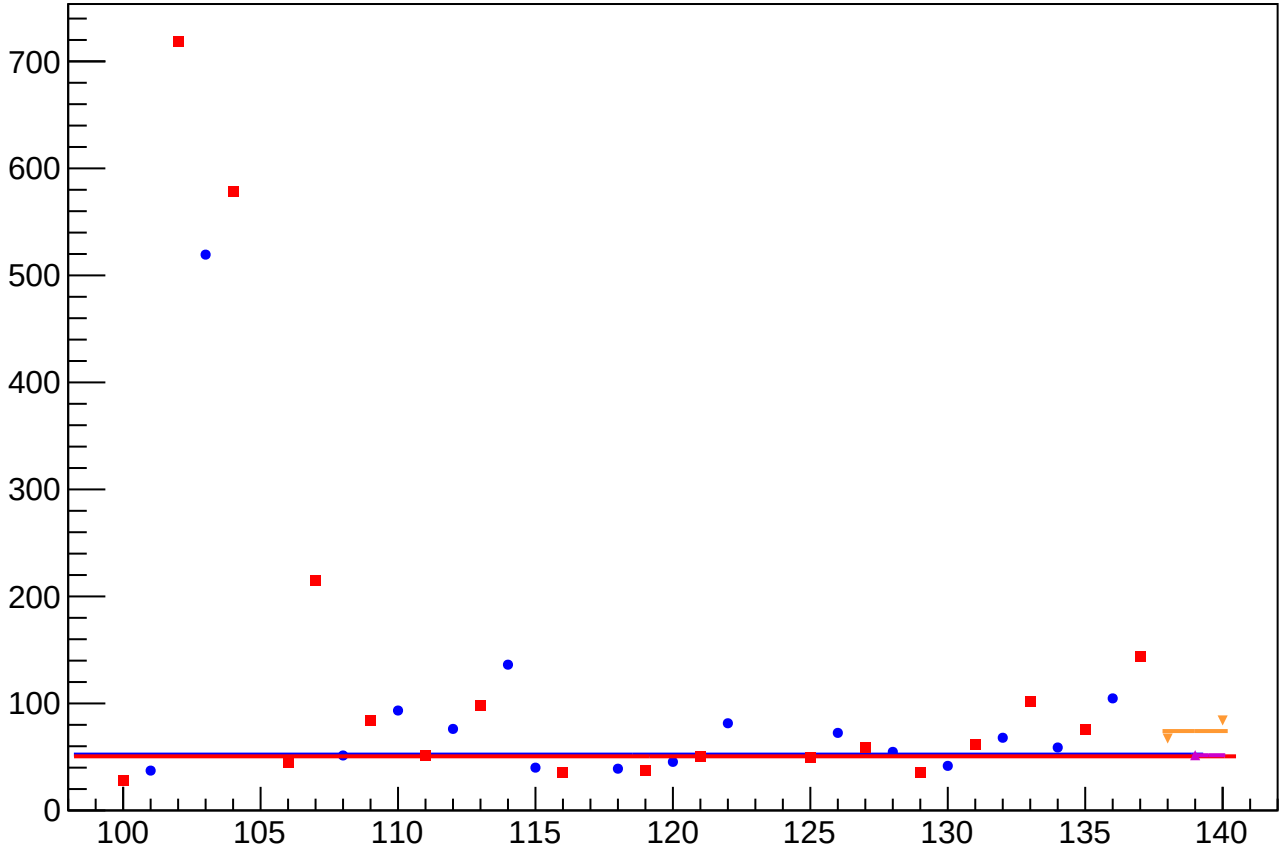
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.025+/-0.021 χ^2/NDF:14.5/16

Out: -0.002+/-0.022 χ^2/NDF:13.8/19

All: -0.014+/-0.015 χ^2/NDF: 28.8/36

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: 74.199+/-0.044 χ^2/NDF:35543.5/1

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 51.628+/-0.043 χ^2/NDF:0.0/0

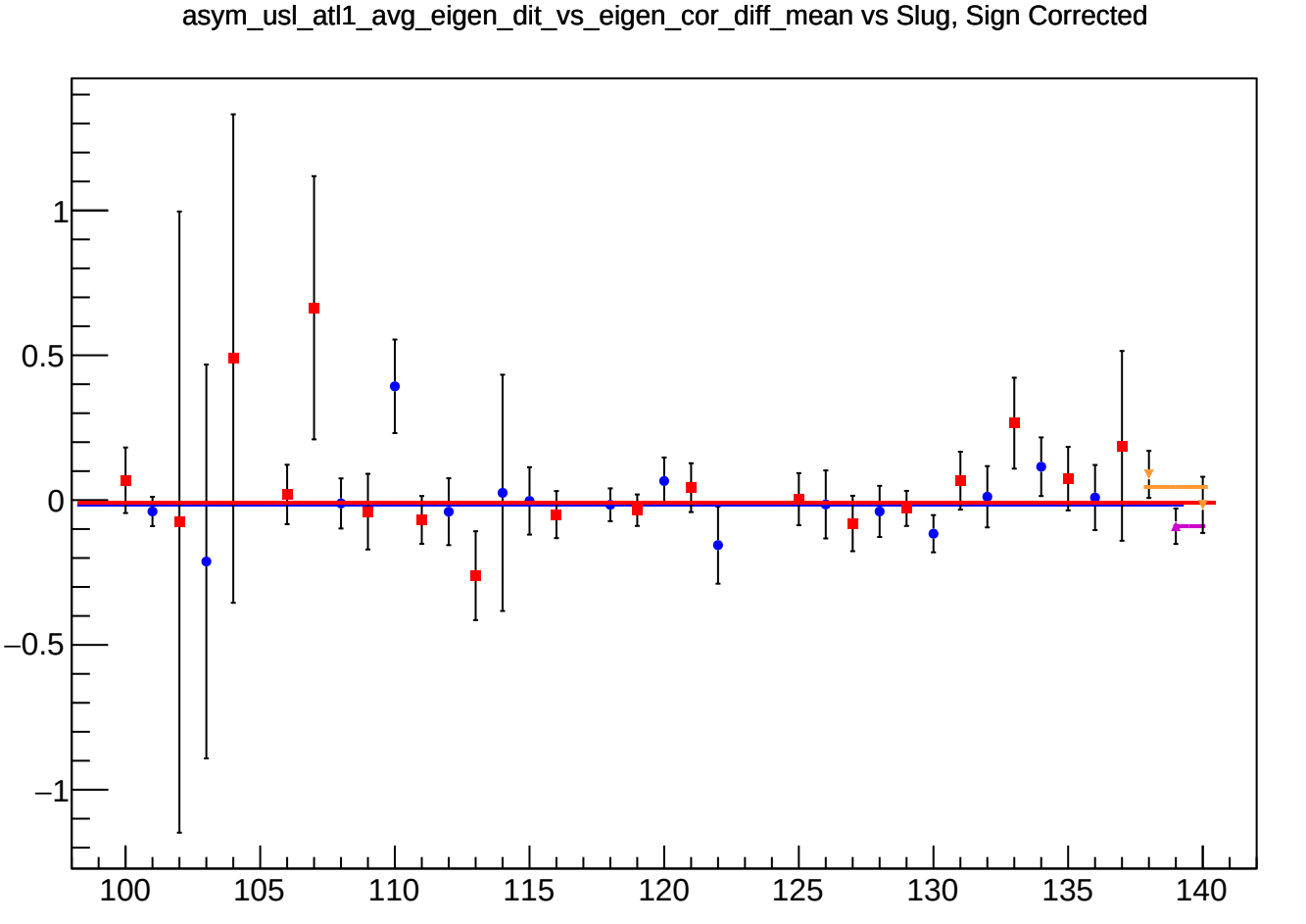
Left: 62.719+/-0.031 χ^2/NDF: 168688.4/2

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 52.123+/-0.015 χ^2/NDF:2267069.9/16

Out: 53.537+/-0.016 χ^2/NDF:3337656.7/19

All: 52.803+/-0.011 χ^2/NDF: 5608990.4/36



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.045+/-0.062 χ^2/NDF:0.7/1

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.090+/-0.061 χ^2/NDF:0.0/0

Left: -0.024+/-0.044 χ^2/NDF: 3.1/2

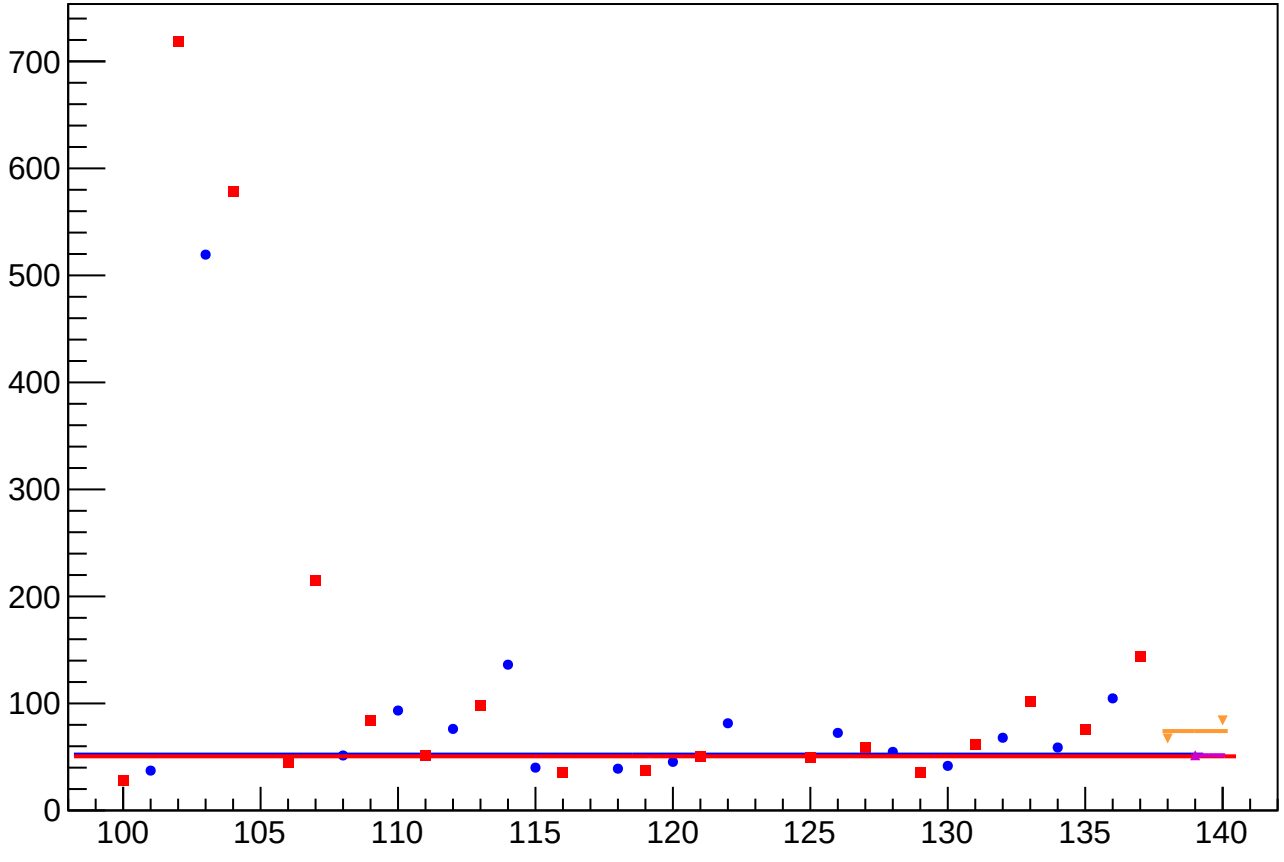
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.025+/-0.021 χ^2/NDF:14.5/16

Out: -0.002+/-0.022 χ^2/NDF:13.8/19

All: -0.014+/-0.015 χ^2/NDF: 28.8/36

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 74.199+/-0.044 χ^2/NDF:35543.5/1

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 51.628+/-0.043 χ^2/NDF:0.0/0

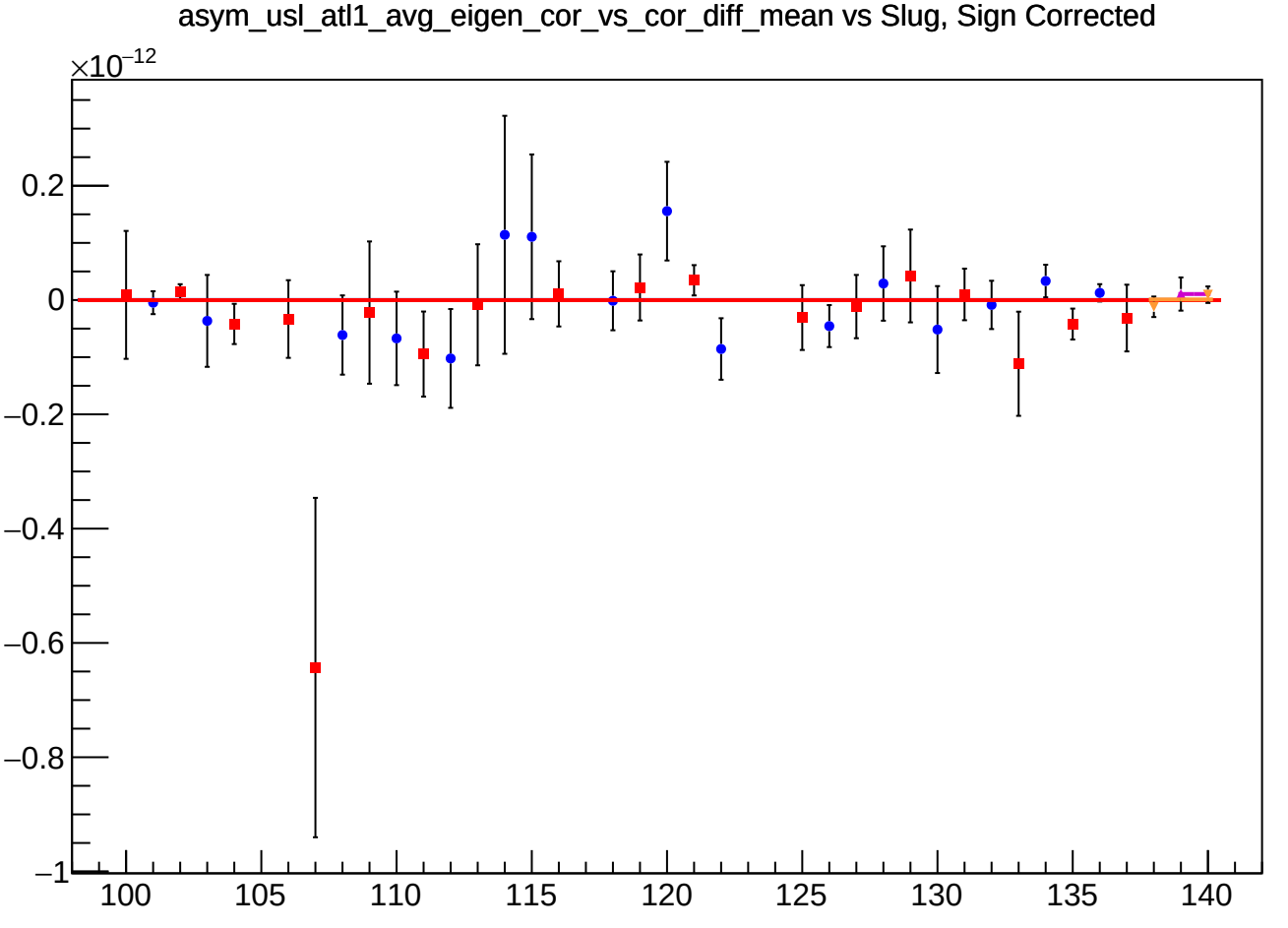
Left: 62.719+/-0.031 χ^2/NDF: 168688.4/2

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 52.123+/-0.015 χ^2/NDF:2267069.9/16

Out: 53.537+/-0.016 χ^2/NDF:3337656.7/19

All: 52.803+/-0.011 χ^2/NDF: 5608990.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

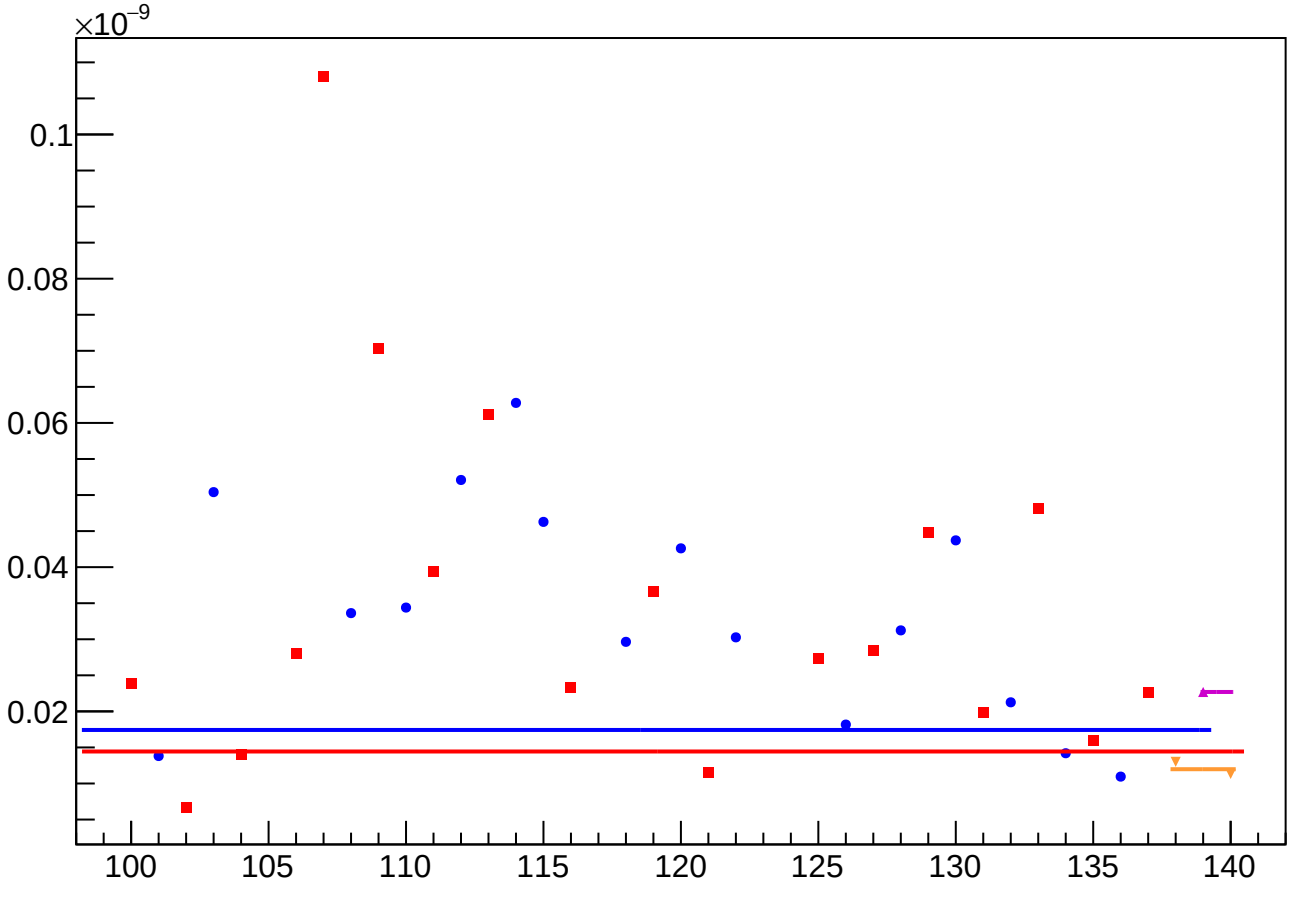
Left: 0.000+/-0.000 χ^2/NDF: 0.9/2

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: 0.000+/-0.000 χ^2/NDF:14.2/16

Out: 0.000+/-0.000 χ^2/NDF:16.9/19

All: 0.000+/-0.000 χ^2/NDF: 31.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10622.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 246848.9/2

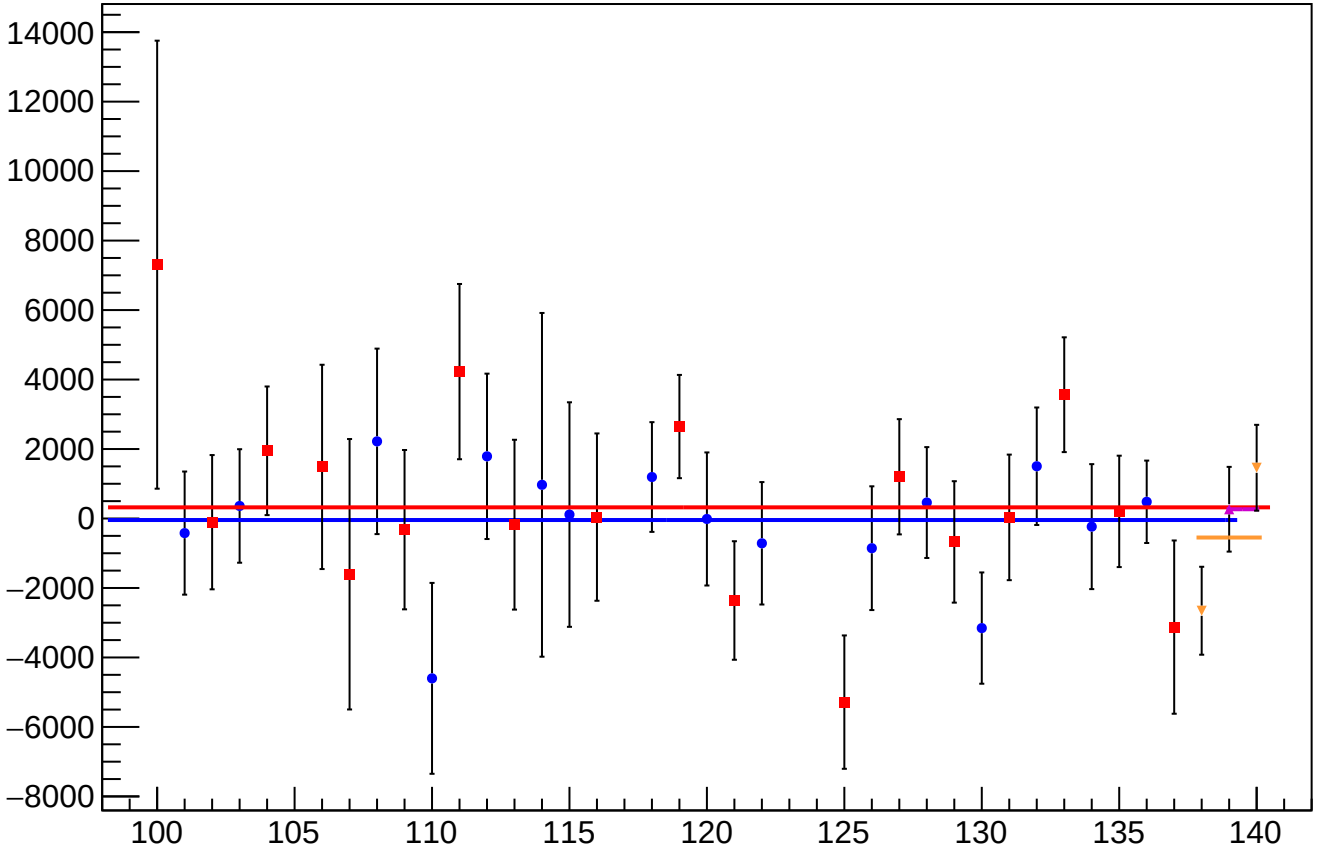
Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:2284037.8/16

Out: 0.000+/-0.000 χ^2/NDF:3330089.9/19

All: 0.000+/-0.000 χ^2/NDF: 5919207.1/36

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -547.593+/-884.216 χ^2/NDF:5.4/1

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 266.622+/-1219.722 χ^2/NDF:0.0/0

Left: -267.105+/-715.893 χ^2/NDF: 5.7/2

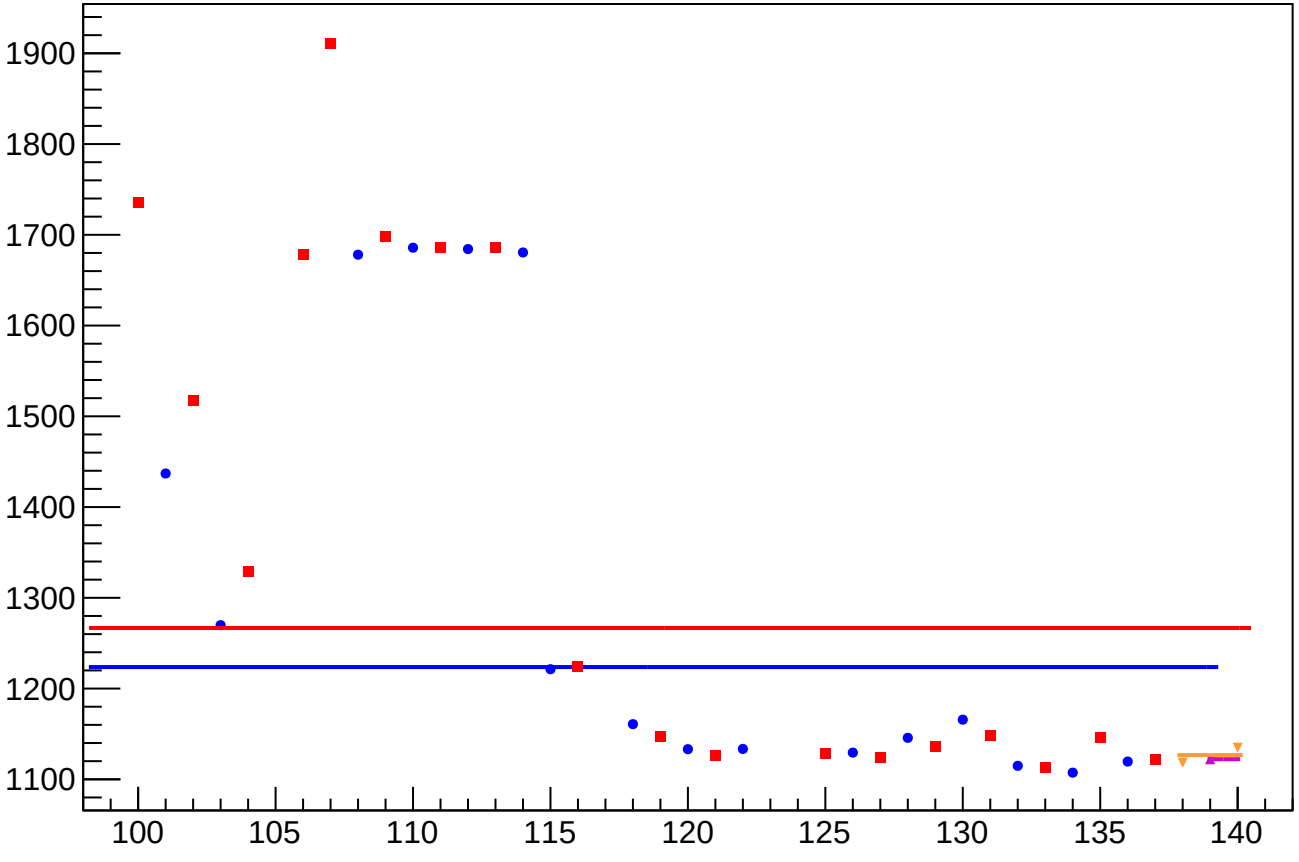
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -5.157+/-429.771 χ^2/NDF:10.2/16

Out: 126.720+/-418.403 χ^2/NDF:30.9/19

All: 62.549+/-299.794 χ^2/NDF: 41.1/36

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1126.693+/-0.625 χ^2/NDF:174.1/1

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1122.198+/-0.862 χ^2/NDF:0.0/0

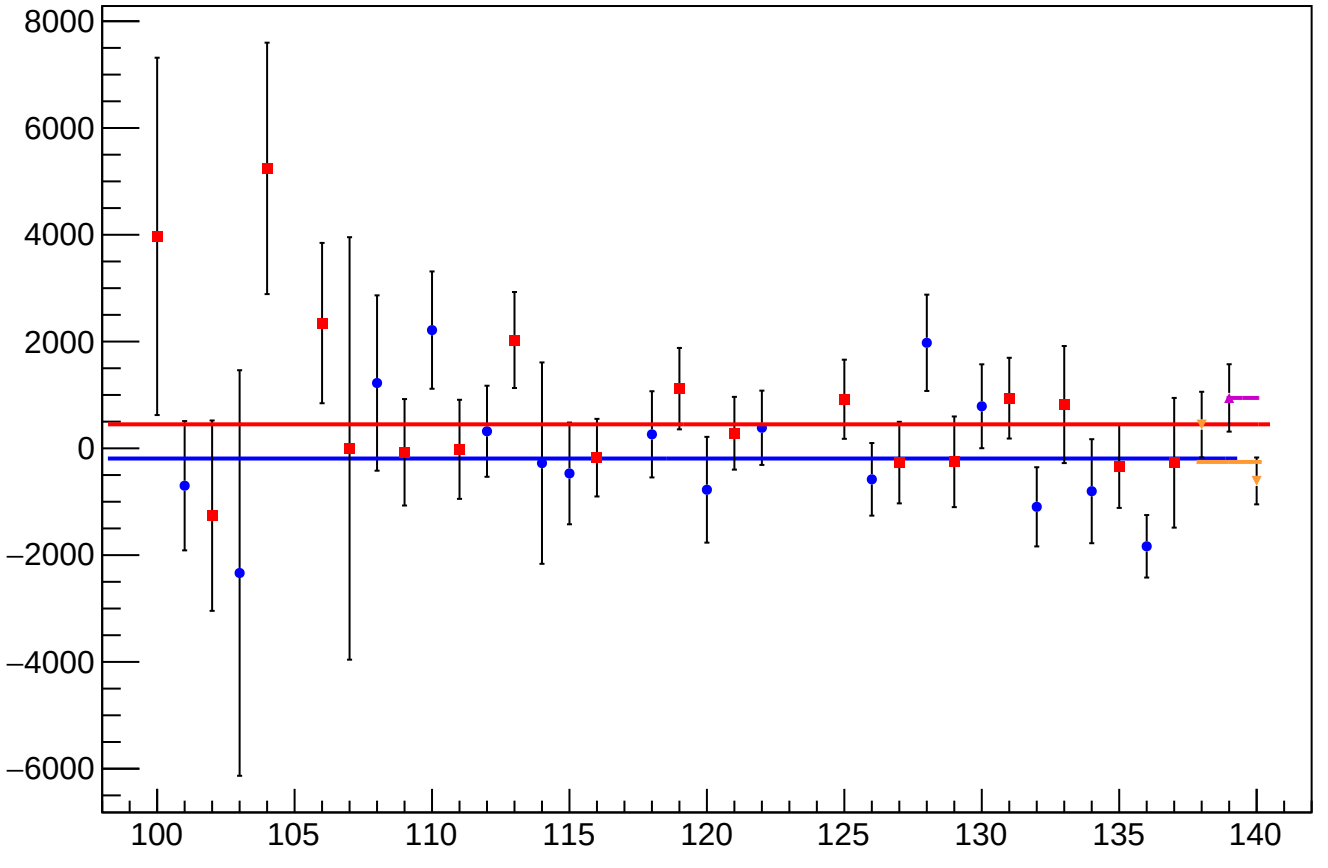
Left: 1125.145+/-0.506 χ^2/NDF: 191.9/2

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1211.103+/-0.304 χ^2/NDF:307097.9/16

Out: 1235.413+/-0.296 χ^2/NDF:471979.4/19

All: 1223.584+/-0.212 χ^2/NDF: 782362.7/36



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -254.491+/-357.174 χ^2/NDF:1.9/1

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 944.171+/-630.964 χ^2/NDF:0.0/0

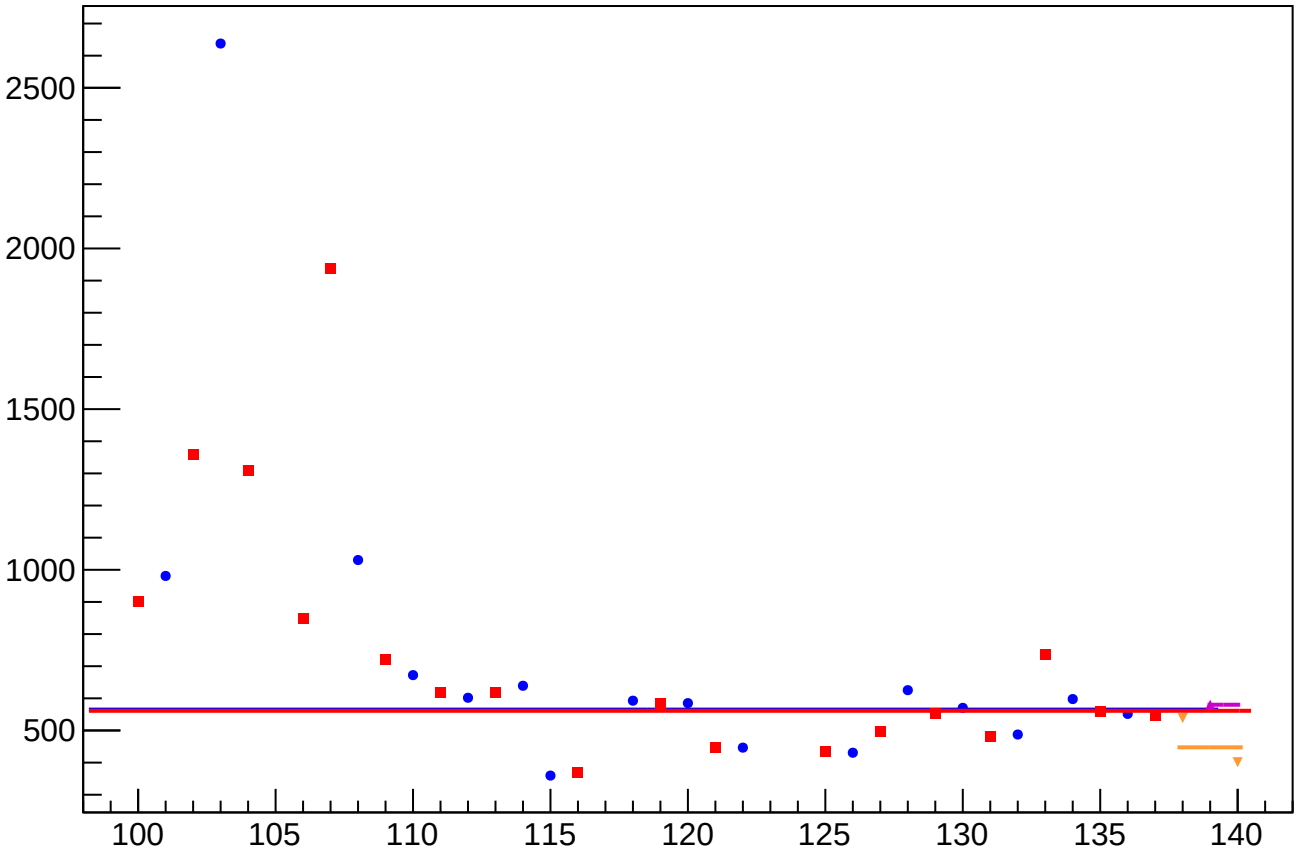
Left: 36.398+/-310.828 χ^2/NDF: 4.7/2

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: -64.756+/-210.145 χ^2/NDF:28.1/16

Out: 252.039+/-189.283 χ^2/NDF:21.6/19

All: 110.142+/-140.642 χ^2/NDF: 50.9/36



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 447.506+/-0.253 χ^2/NDF:66078.9/1

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 580.078+/-0.446 χ^2/NDF:0.0/0

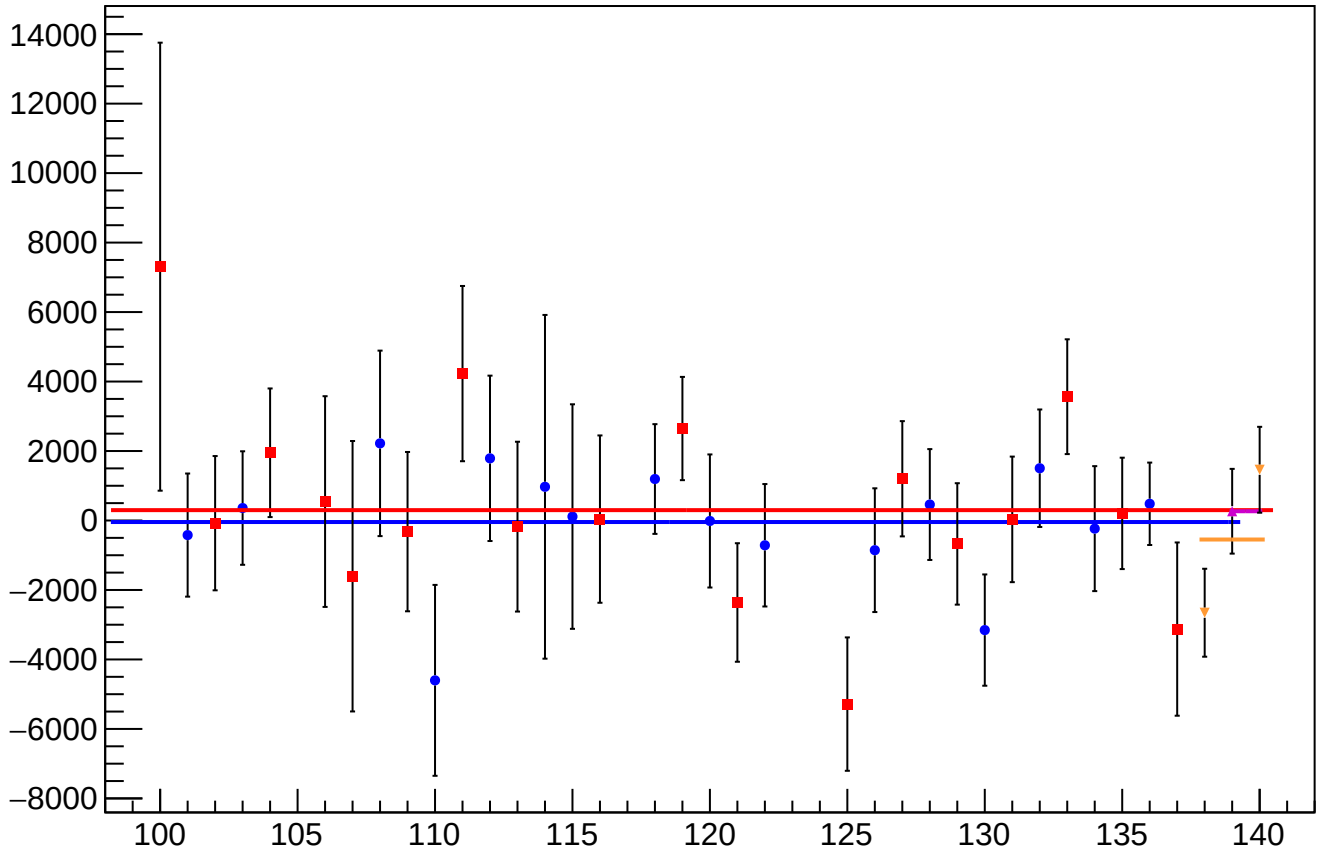
Left: 479.678+/-0.220 χ^2/NDF: 132944.4/2

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 566.636+/-0.149 χ^2/NDF:1285499.8/16

Out: 529.301+/-0.134 χ^2/NDF:1564165.9/19

All: 546.024+/-0.099 χ^2/NDF: 2884517.7/36



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -547.521+/-884.216 χ^2/NDF:5.4/1

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 266.377+/-1219.722 χ^2/NDF:0.0/0

Left: -267.142+/-715.893 χ^2/NDF: 5.7/2

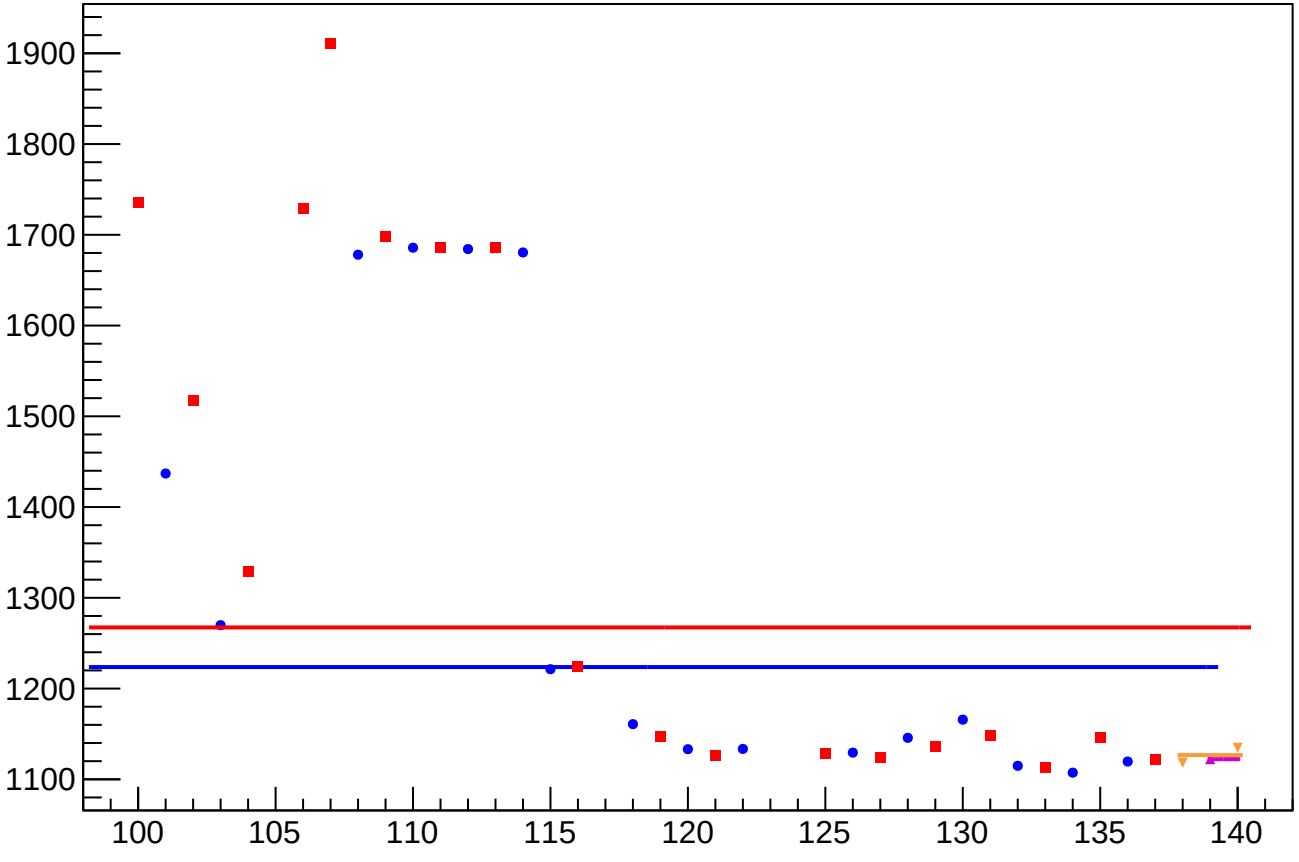
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -5.399+/-429.771 χ^2/NDF:10.2/16

Out: 108.609+/-418.659 χ^2/NDF:30.7/19

All: 53.098+/-299.888 χ^2/NDF: 40.9/36

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1126.693+/-0.625 χ^2/NDF:174.1/1

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1122.198+/-0.862 χ^2/NDF:0.0/0

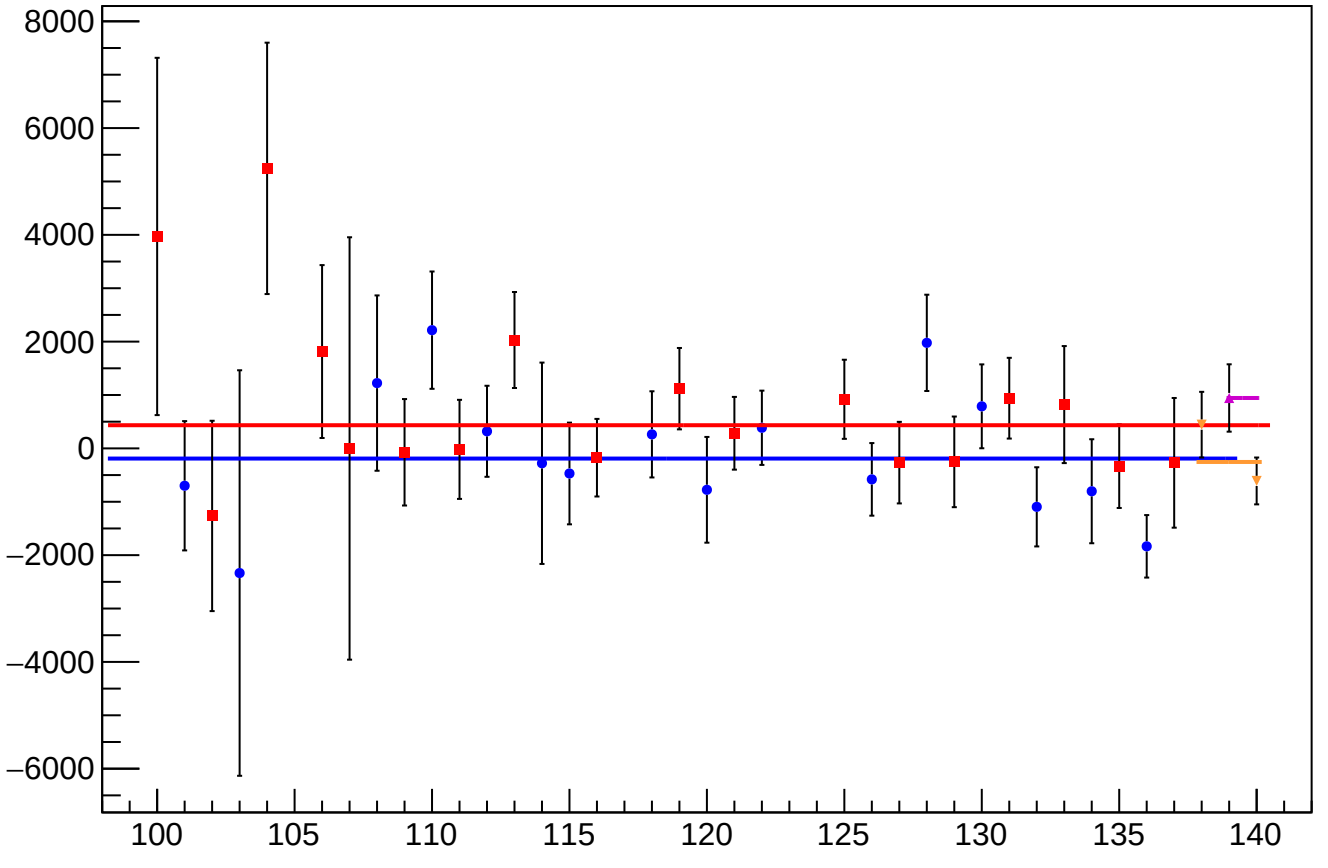
Left: 1125.145+/-0.506 χ^2/NDF: 191.9/2

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1211.103+/-0.304 χ^2/NDF:307098.0/16

Out: 1235.827+/-0.296 χ^2/NDF:479427.7/19

All: 1223.789+/-0.212 χ^2/NDF: 789921.9/36



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -254.470+/-357.174 χ^2/NDF:1.9/1

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 944.078+/-630.961 χ^2/NDF:0.0/0

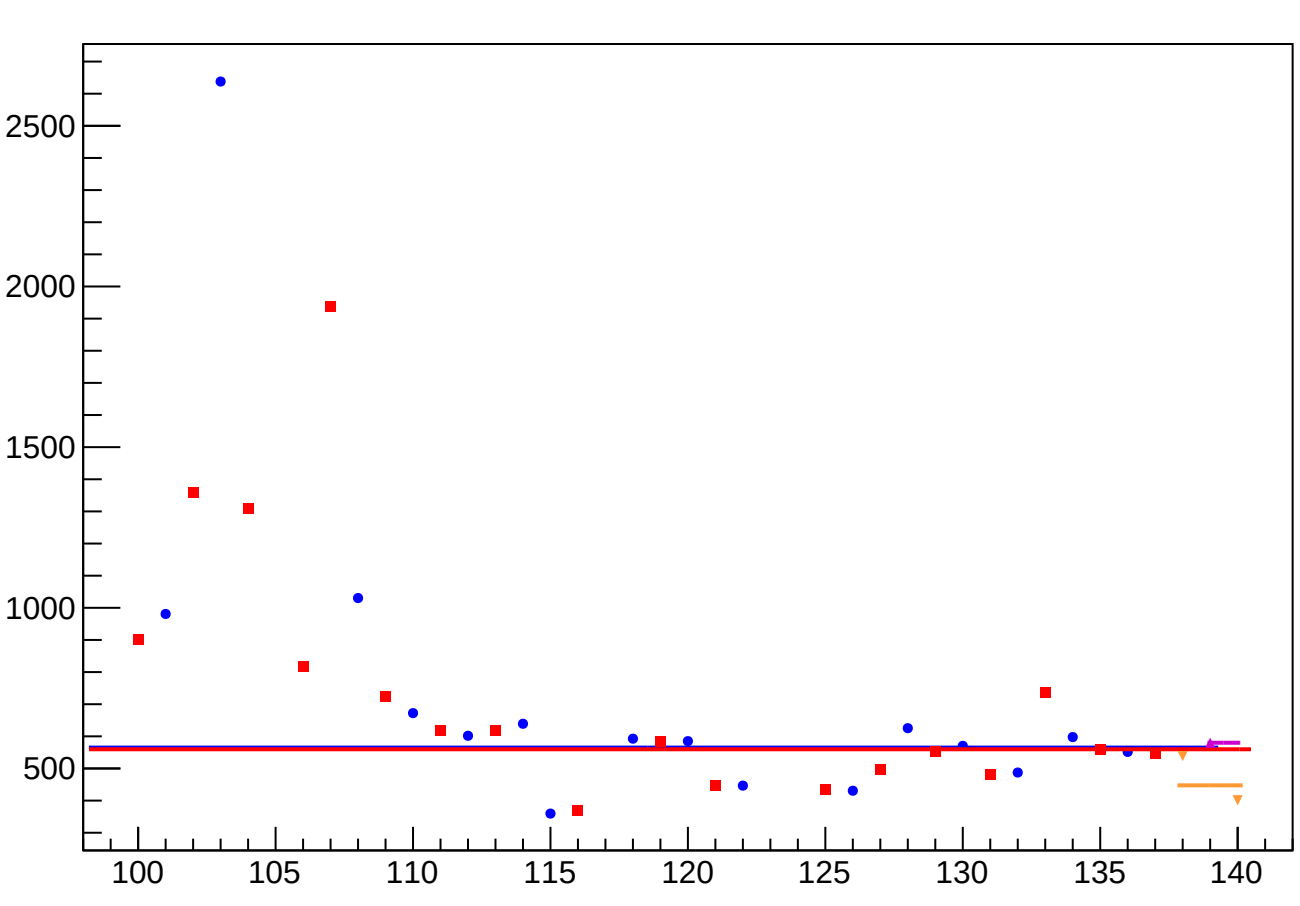
Left: 36.393+/-310.828 χ^2/NDF: 4.7/2

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -64.777+/-210.143 χ^2/NDF:28.1/16

Out: 240.131+/-189.493 χ^2/NDF:20.6/19

All: 103.391+/-140.728 χ^2/NDF: 49.8/36



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 447.507+/-0.253 χ^2/NDF:66062.5/1

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 580.075+/-0.446 χ^2/NDF:0.0/0

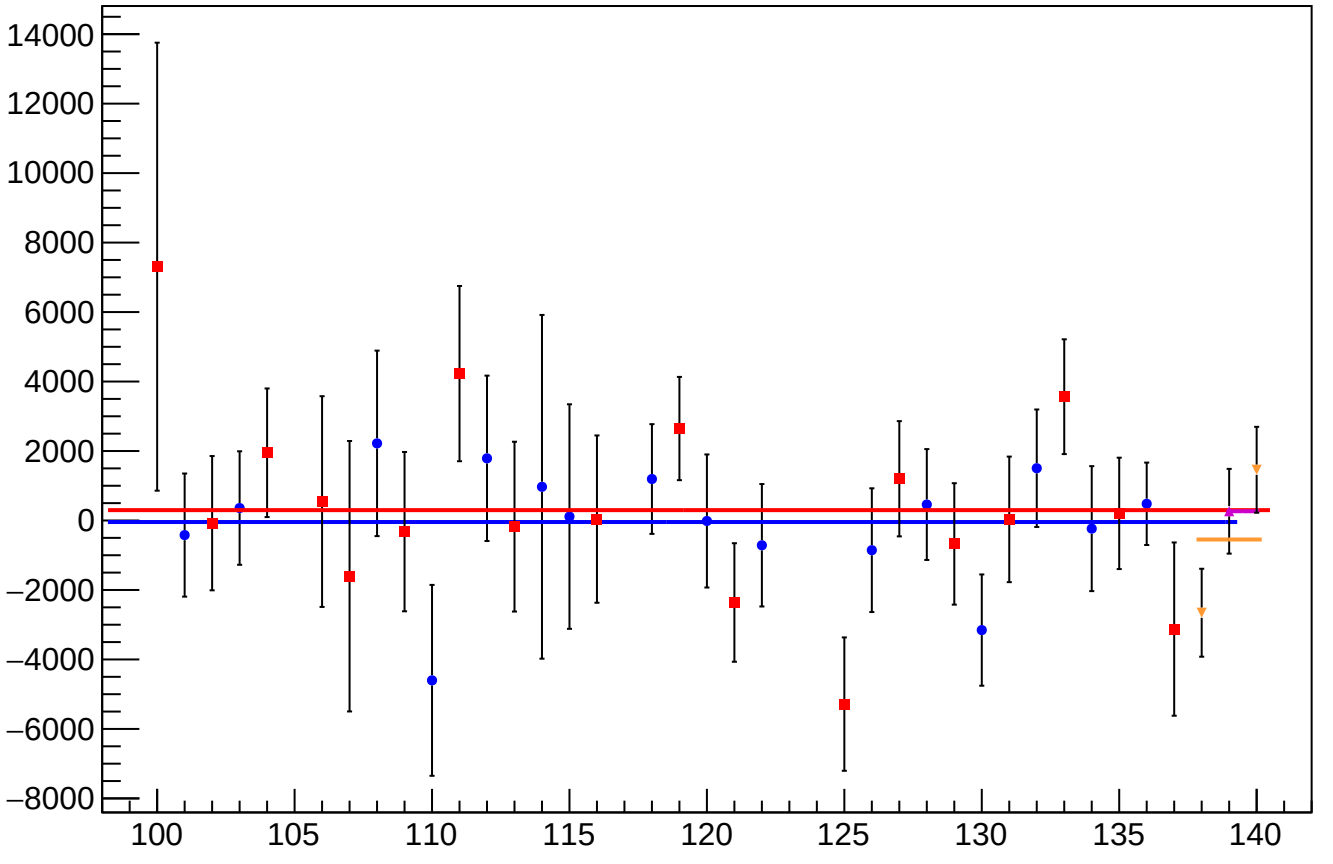
Left: 479.678+/-0.220 χ^2/NDF: 132925.3/2

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 566.631+/-0.149 χ^2/NDF:1285476.9/16

Out: 528.163+/-0.134 χ^2/NDF:1537357.8/19

All: 545.415+/-0.100 χ^2/NDF: 2859799.4/36



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -547.521+/-884.216 χ^2/NDF:5.4/1

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 266.377+/-1219.722 χ^2/NDF:0.0/0

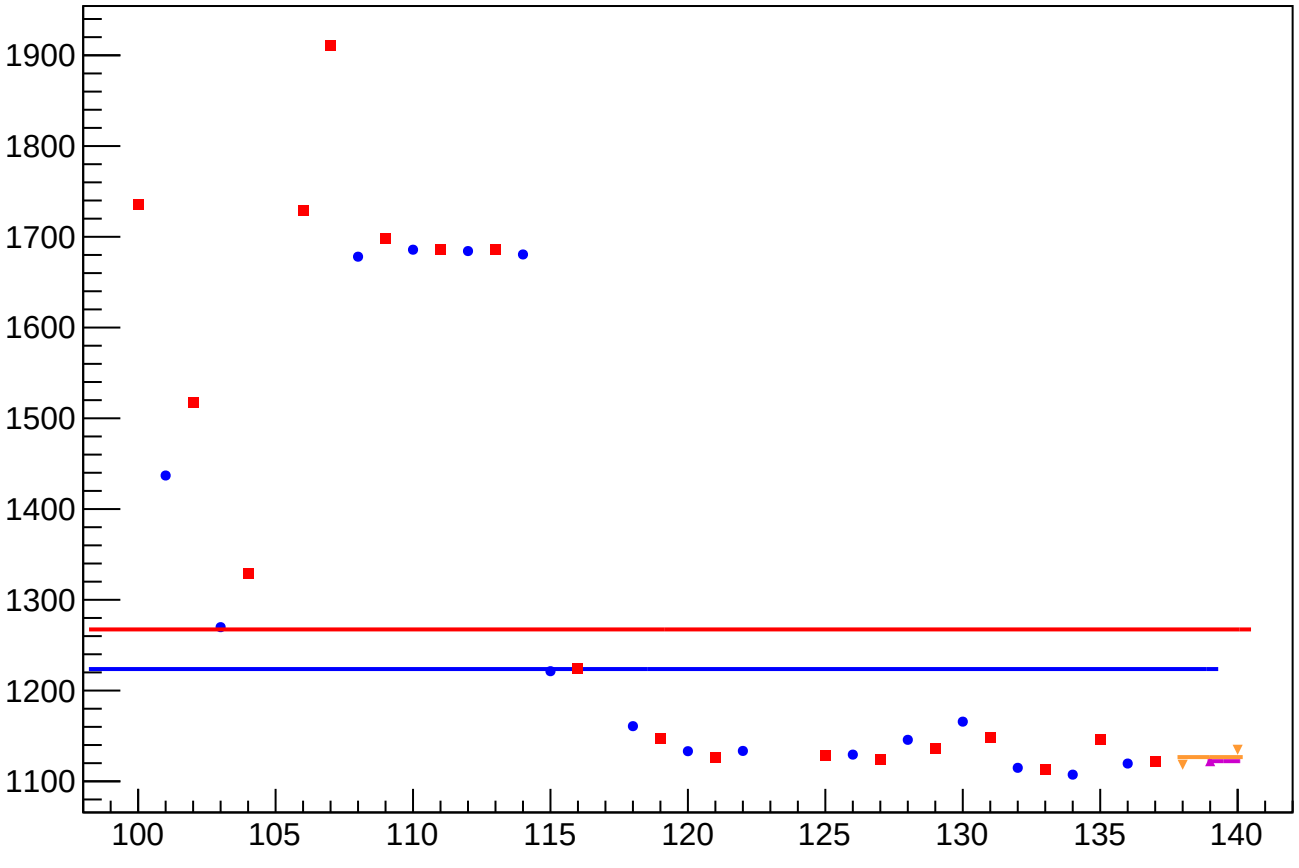
Left: -267.142+/-715.893 χ^2/NDF: 5.7/2

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -5.399+/-429.771 χ^2/NDF:10.2/16

Out: 108.609+/-418.659 χ^2/NDF:30.7/19

All: 53.098+/-299.888 χ^2/NDF: 40.9/36



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1126.693+/-0.625 χ^2/NDF:174.1/1

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1122.198+/-0.862 χ^2/NDF:0.0/0

Left: 1125.145+/-0.506 χ^2/NDF: 191.9/2

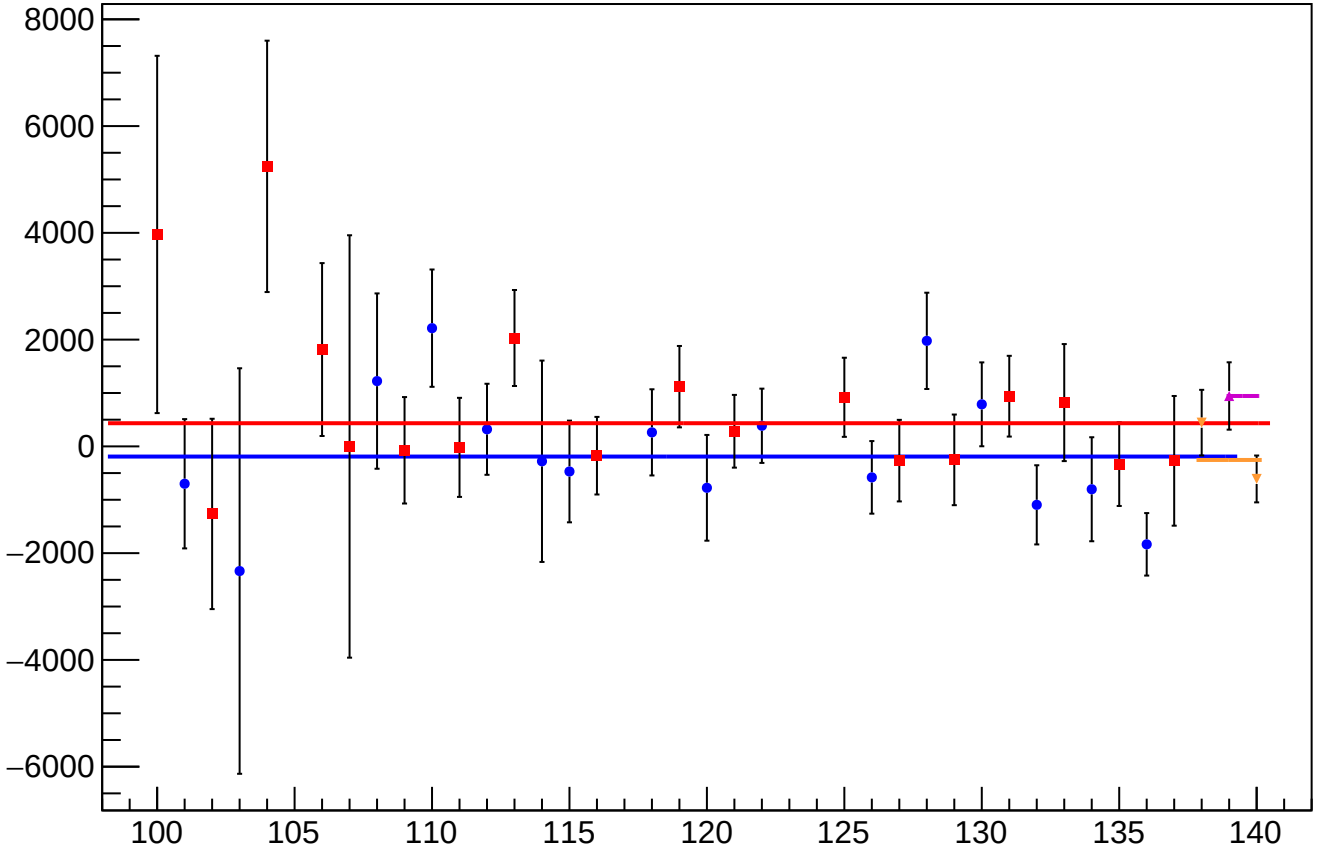
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1211.103+/-0.304 χ^2/NDF:307098.0/16

Out: 1235.827+/-0.296 χ^2/NDF:479427.7/19

All: 1223.789+/-0.212 χ^2/NDF: 789921.9/36

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -254.470+/-357.174 χ^2/NDF:1.9/1

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 944.078+/-630.961 χ^2/NDF:0.0/0

Left: 36.393+/-310.828 χ^2/NDF: 4.7/2

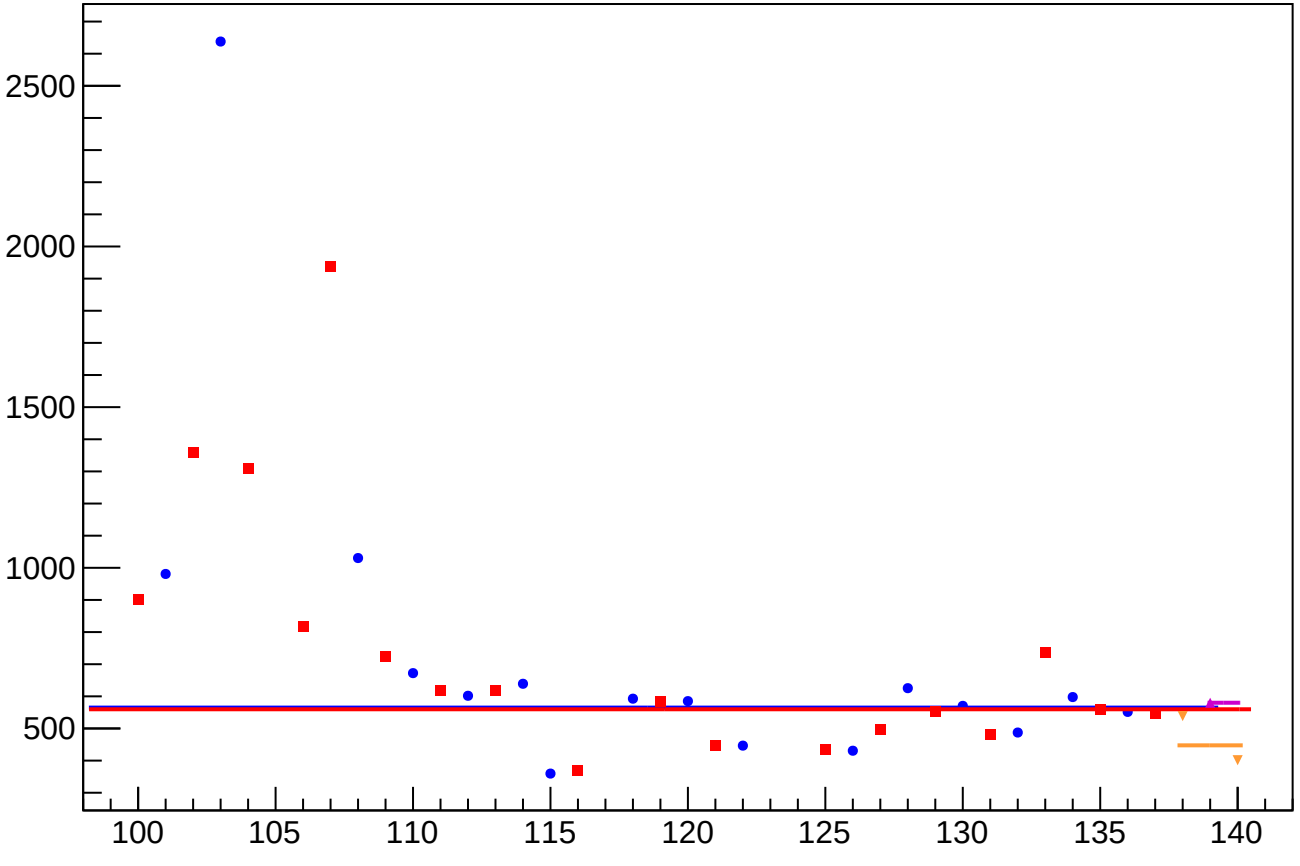
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -64.777+/-210.143 χ^2/NDF:28.1/16

Out: 240.131+/-189.493 χ^2/NDF:20.6/19

All: 103.391+/-140.728 χ^2/NDF: 49.8/36

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 447.507+/-0.253 χ^2/NDF:66062.5/1

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 580.075+/-0.446 χ^2/NDF:0.0/0

Left: 479.678+/-0.220 χ^2/NDF: 132925.3/2

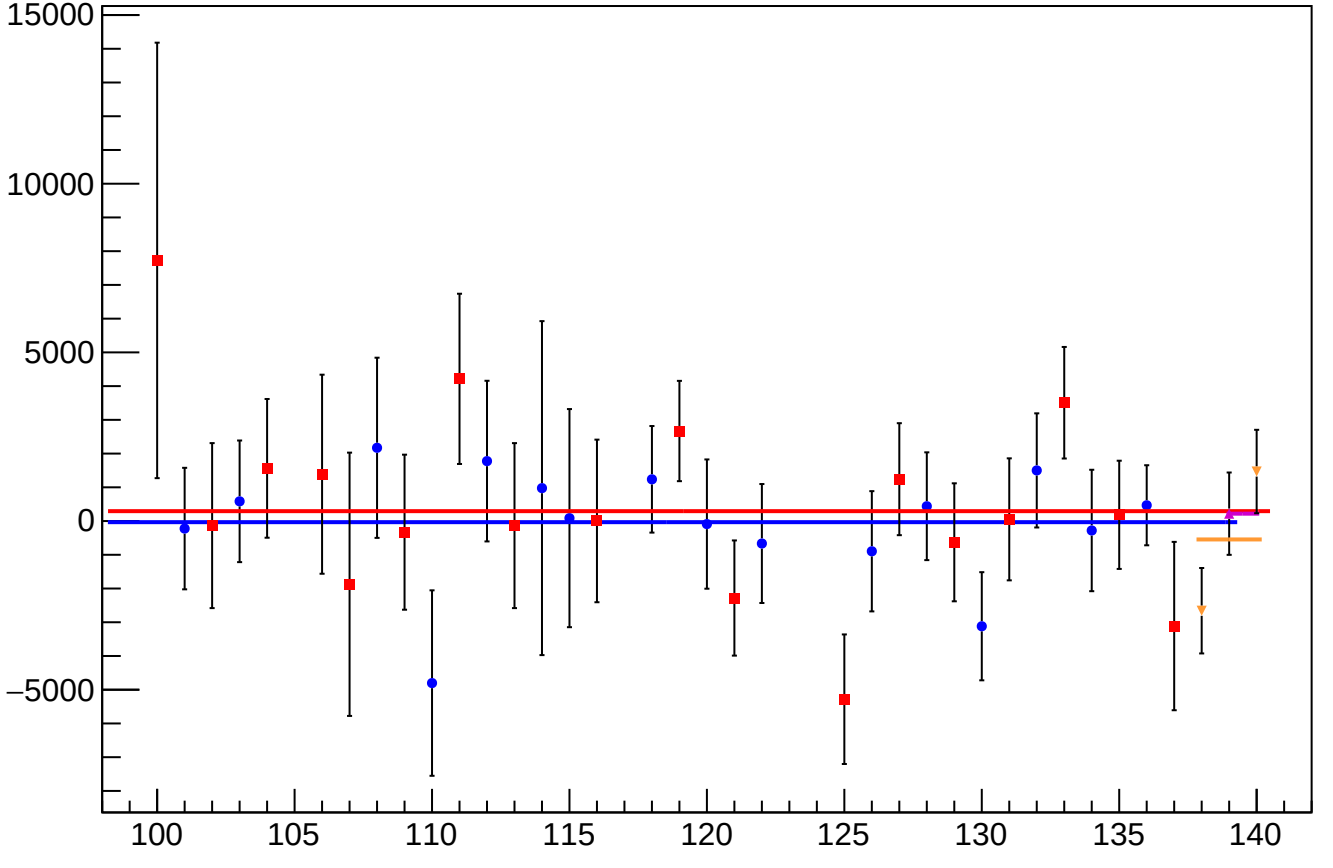
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 566.631+/-0.149 χ^2/NDF:1285476.9/16

Out: 528.163+/-0.134 χ^2/NDF:1537357.8/19

All: 545.415+/-0.100 χ^2/NDF: 2859799.4/36

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -545.429+/-884.669 χ^2/NDF:5.4/1

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 218.668+/-1220.317 χ^2/NDF:0.0/0

Left: -282.198+/-716.254 χ^2/NDF: 5.7/2

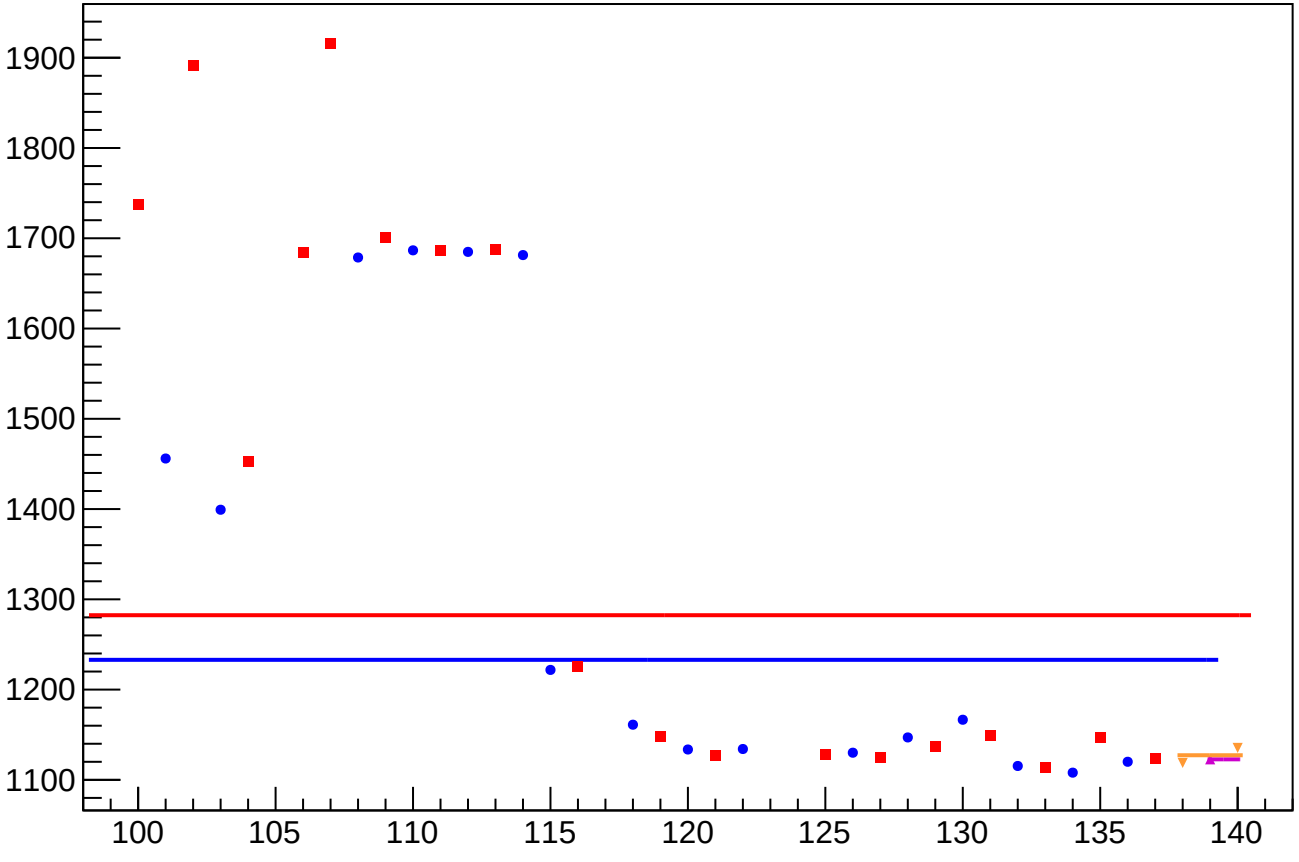
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -1.359+/-433.066 χ^2/NDF:10.3/16

Out: 100.252+/-424.498 χ^2/NDF:30.4/19

All: 50.461+/-303.149 χ^2/NDF: 40.7/36

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1127.270+/-0.626 χ^2/NDF:177.1/1

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1122.741+/-0.863 χ^2/NDF:0.0/0

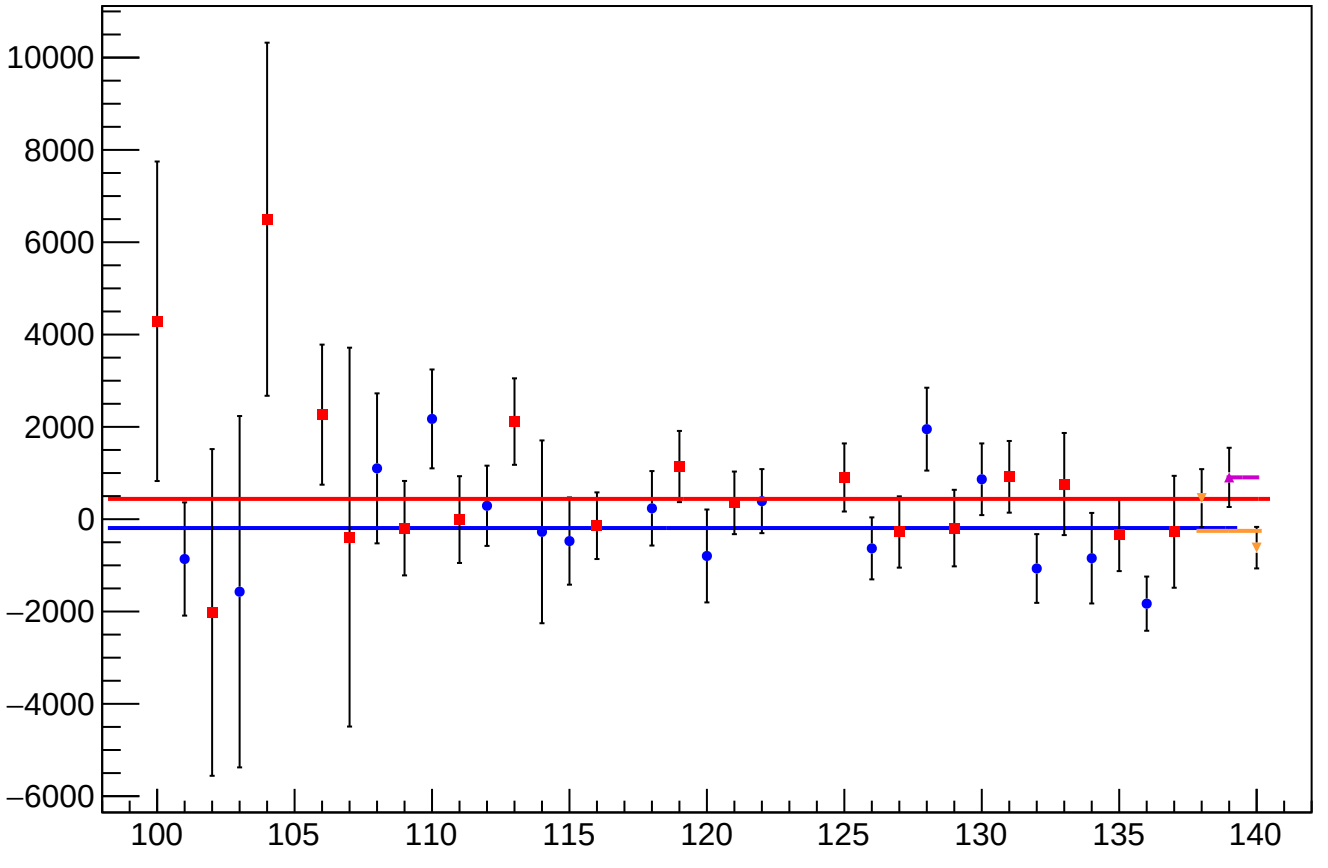
Left: 1125.710+/-0.506 χ^2/NDF: 195.2/2

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1219.083+/-0.306 χ^2/NDF:329732.6/16

Out: 1246.688+/-0.300 χ^2/NDF:590923.1/19

All: 1233.161+/-0.214 χ^2/NDF: 924799.9/36



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -252.799+/-365.575 χ^2/NDF:1.9/1

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 905.885+/-641.279 χ^2/NDF:0.0/0

Left: 31.395+/-317.593 χ^2/NDF: 4.4/2

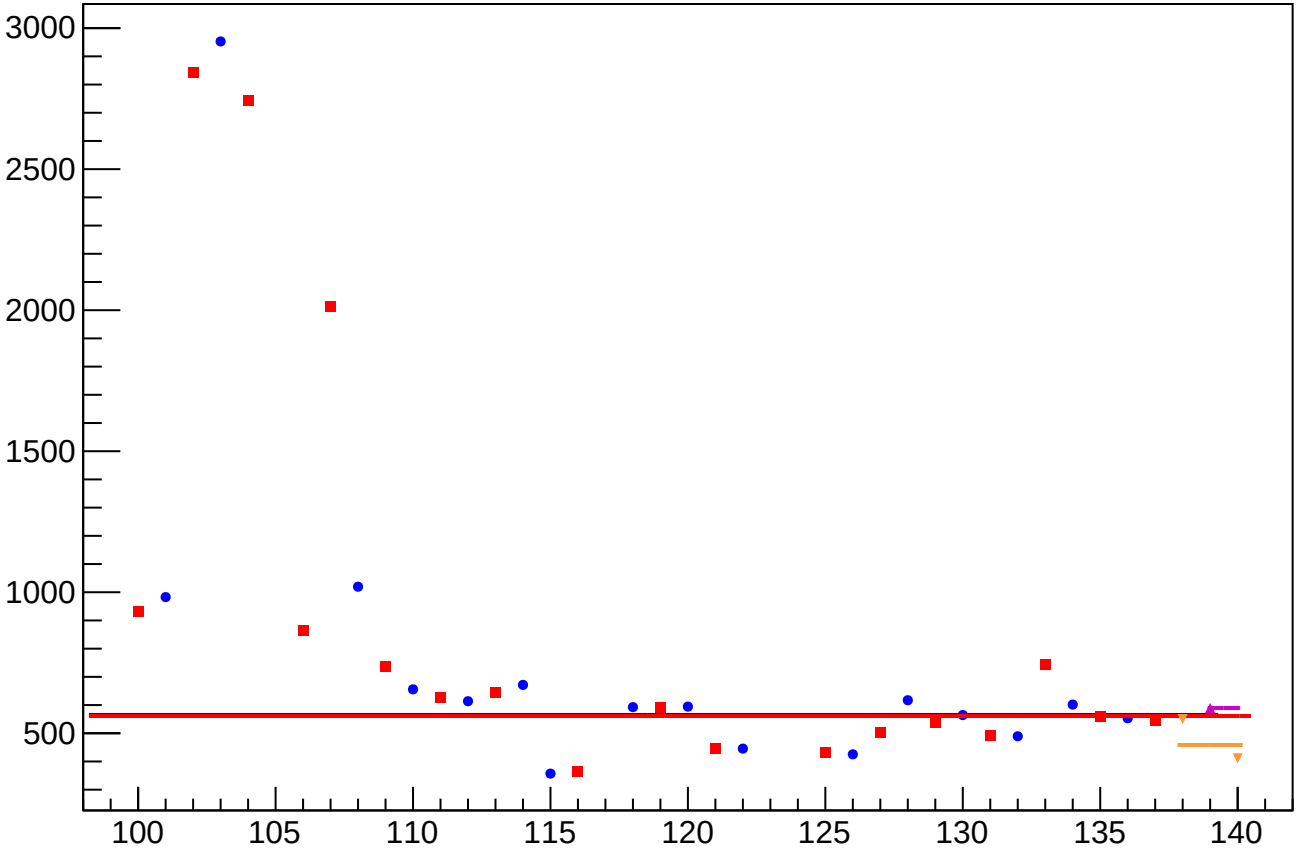
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -73.363+/-210.429 χ^2/NDF:27.9/16

Out: 247.421+/-192.601 χ^2/NDF:19.2/19

All: 101.191+/-142.075 χ^2/NDF: 48.3/36

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 458.414+/-0.259 χ^2/NDF:64956.1/1

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 589.651+/-0.453 χ^2/NDF:0.0/0

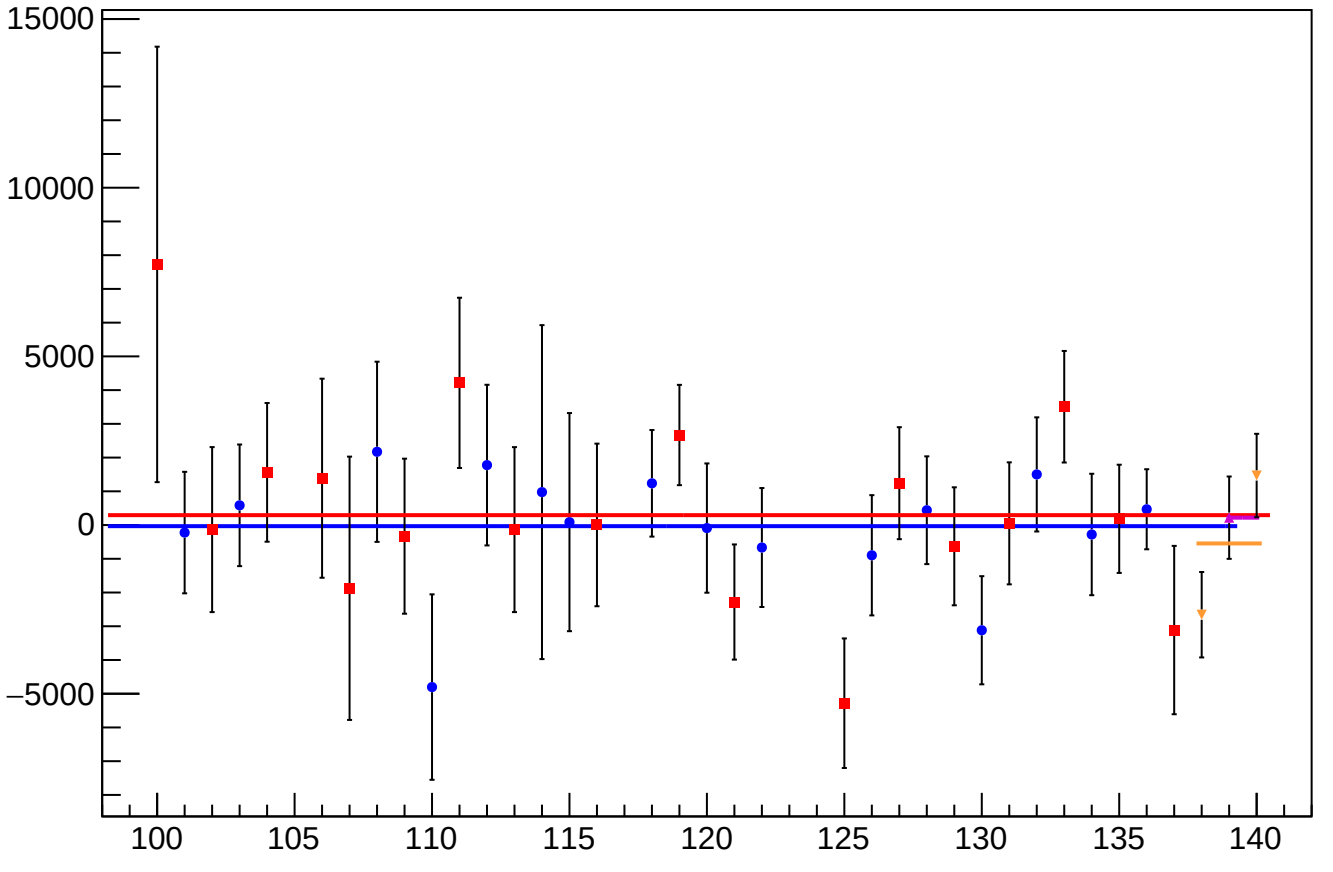
Left: 490.603+/-0.225 χ^2/NDF: 128173.5/2

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 567.539+/-0.149 χ^2/NDF:1483040.4/16

Out: 532.723+/-0.136 χ^2/NDF:2452709.5/19

All: 548.594+/-0.100 χ^2/NDF: 3965541.5/36



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -545.427+/-884.669 χ^2/NDF:5.4/1

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 218.672+/-1220.317 χ^2/NDF:0.0/0

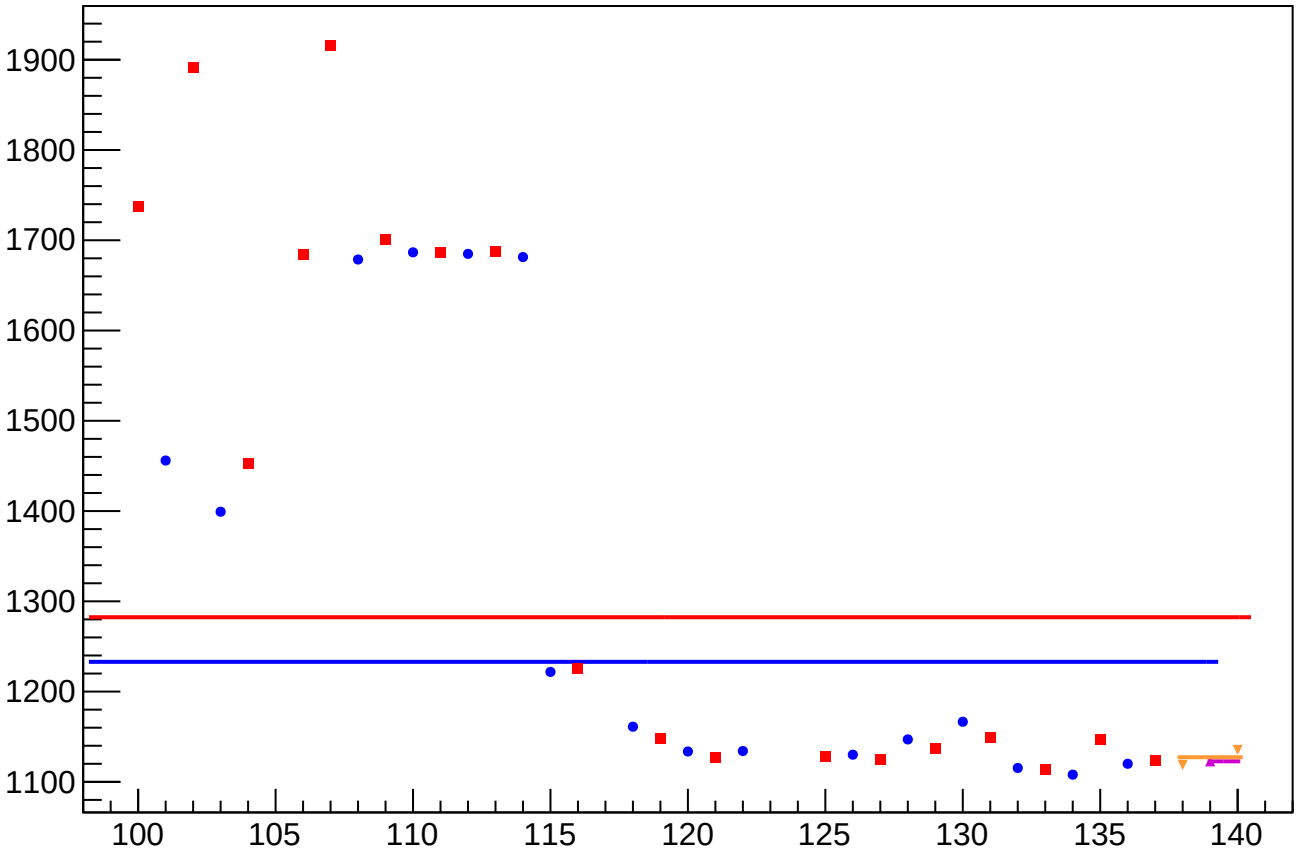
Left: -282.195+/-716.254 χ^2/NDF: 5.7/2

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -1.358+/-433.066 χ^2/NDF:10.3/16

Out: 100.252+/-424.498 χ^2/NDF:30.4/19

All: 50.462+/-303.149 χ^2/NDF: 40.7/36



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1127.270+/-0.626 χ^2/NDF:177.1/1

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1122.741+/-0.863 χ^2/NDF:0.0/0

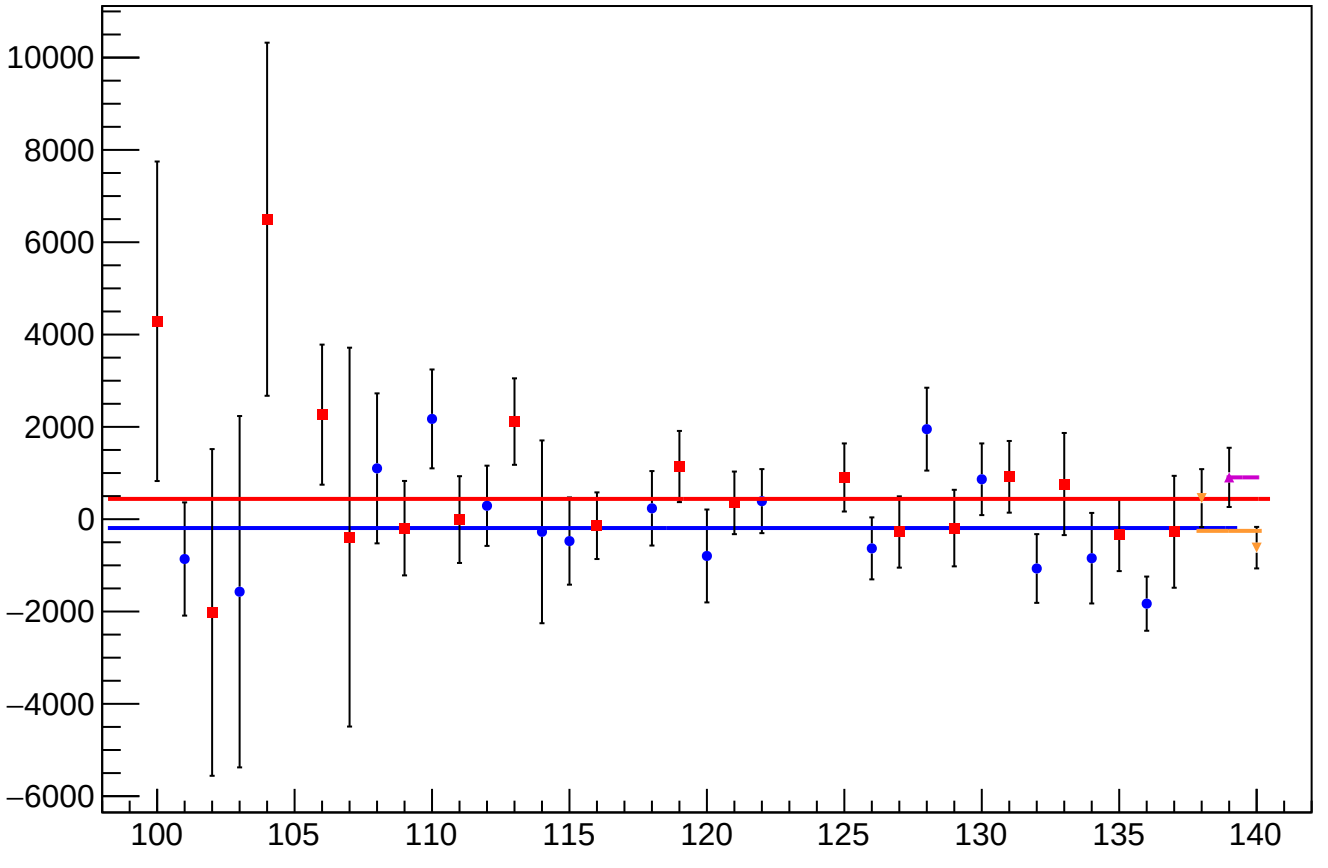
Left: 1125.710+/-0.506 χ^2/NDF: 195.2/2

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1219.083+/-0.306 χ^2/NDF:329732.3/16

Out: 1246.687+/-0.300 χ^2/NDF:590922.5/19

All: 1233.161+/-0.214 χ^2/NDF: 924798.9/36



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -252.799+/-365.575 χ^2/NDF:1.9/1

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 905.889+/-641.281 χ^2/NDF:0.0/0

Left: 31.393+/-317.594 χ^2/NDF: 4.4/2

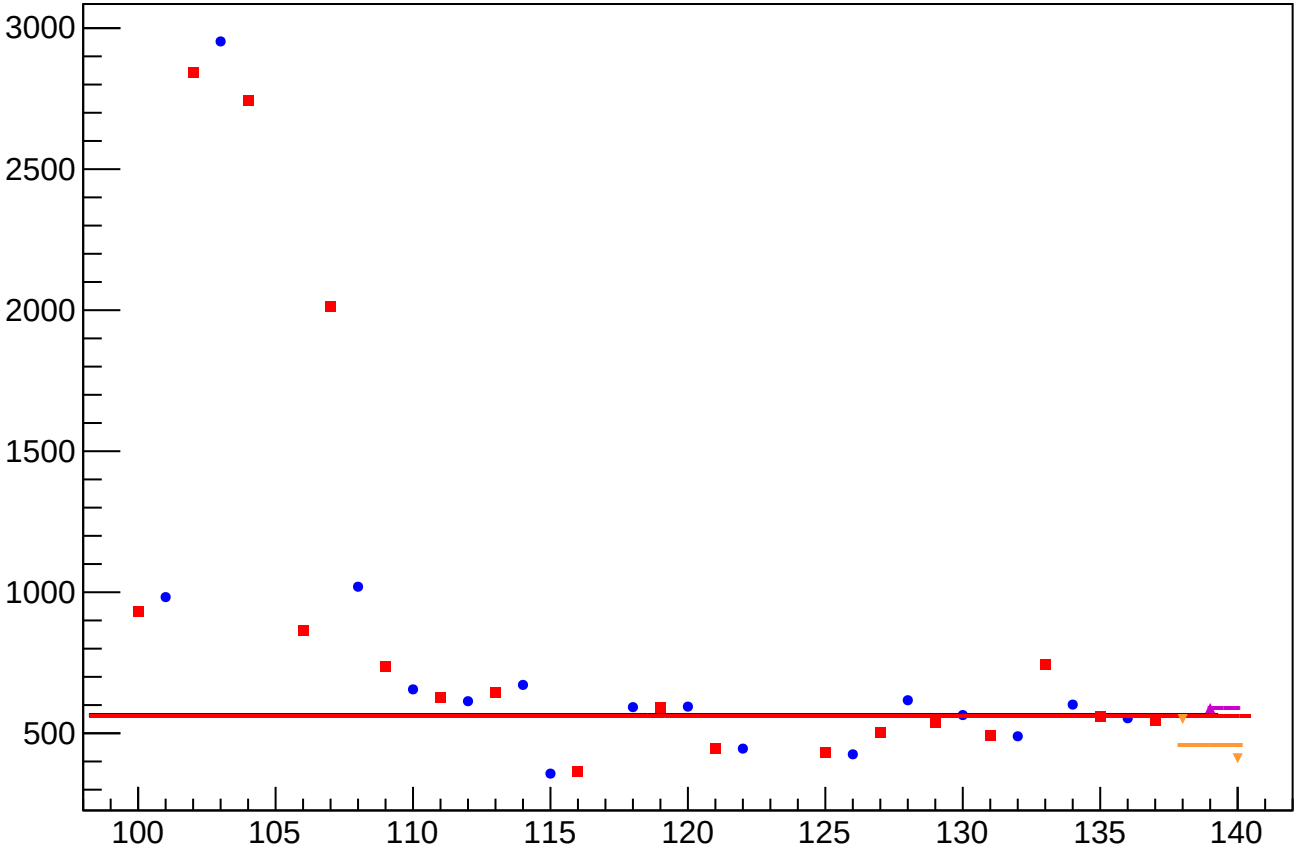
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -73.363+/-210.429 χ^2/NDF:27.9/16

Out: 247.421+/-192.601 χ^2/NDF:19.2/19

All: 101.191+/-142.075 χ^2/NDF: 48.3/36

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 458.414+/-0.259 χ^2/NDF:64958.6/1

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 589.653+/-0.453 χ^2/NDF:0.0/0

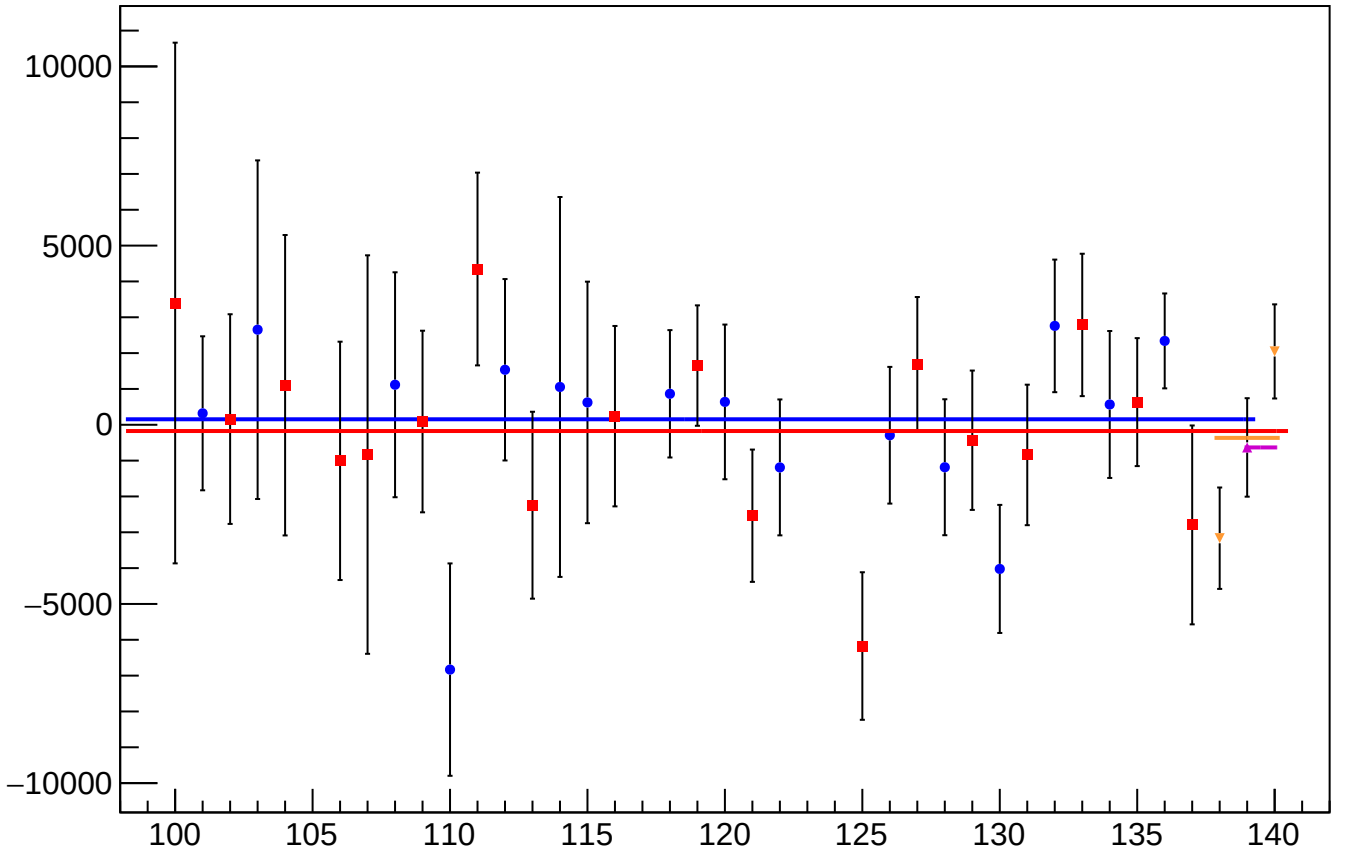
Left: 490.603+/-0.225 χ^2/NDF: 128178.1/2

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 567.539+/-0.149 χ^2/NDF:1483038.2/16

Out: 532.723+/-0.136 χ^2/NDF:2452713.4/19

All: 548.594+/-0.100 χ^2/NDF: 3965543.8/36



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: -365.789+/-962.740 χ^2/NDF:7.3/1

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -632.321+/-1374.088 χ^2/NDF:0.0/0

Left: -453.548+/-788.470 χ^2/NDF: 7.3/2

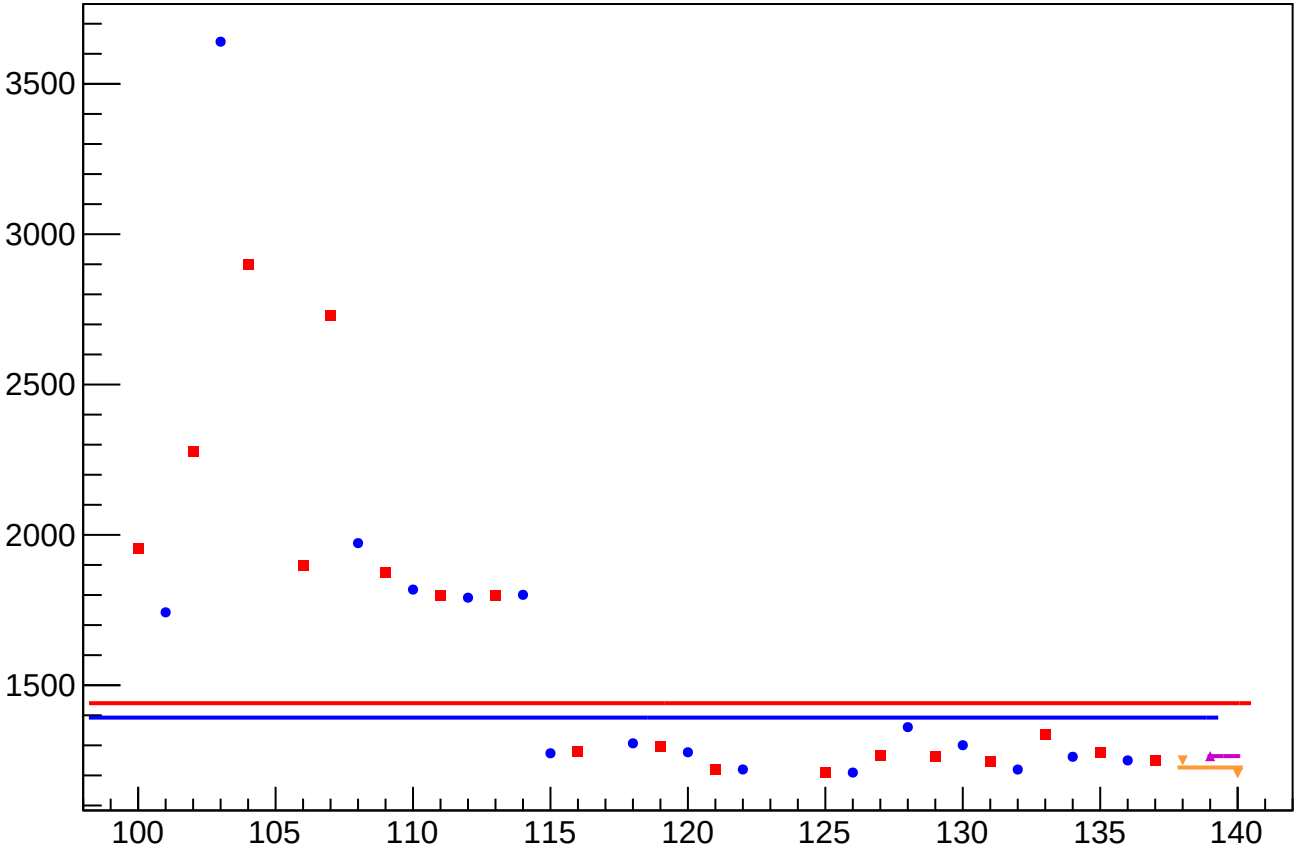
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 50.922+/-496.193 χ^2/NDF:18.0/16

Out: -221.452+/-477.663 χ^2/NDF:27.0/19

All: -90.446+/-344.123 χ^2/NDF: 45.2/36

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1226.419+/-0.681 χ^2/NDF:1010.9/1

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1264.214+/-0.972 χ^2/NDF:0.0/0

Left: 1238.863+/-0.558 χ^2/NDF: 2025.8/2

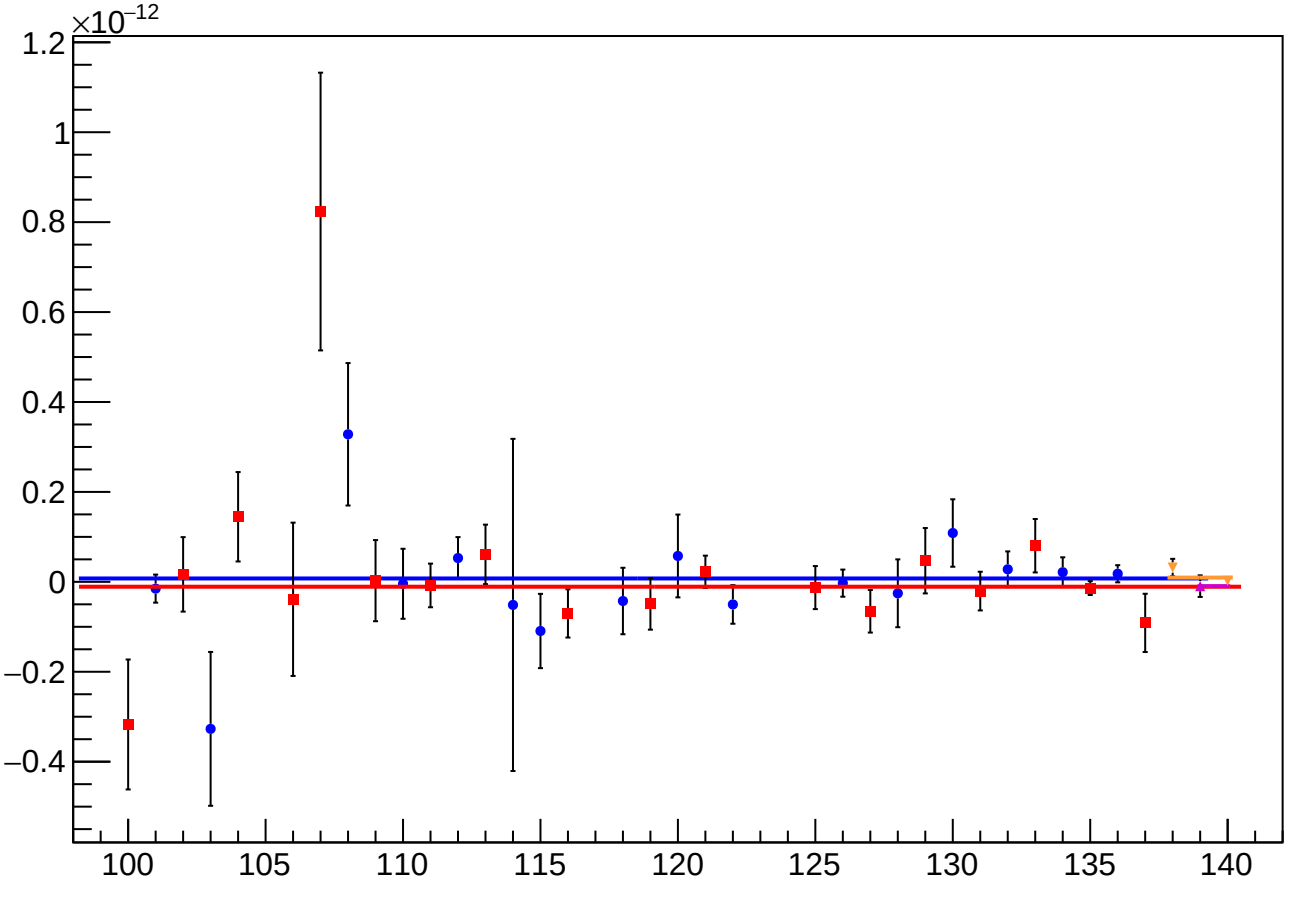
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1375.597+/-0.351 χ^2/NDF:794352.6/16

Out: 1387.591+/-0.338 χ^2/NDF:930252.9/19

All: 1381.822+/-0.243 χ^2/NDF: 1725212.1/36

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.7/1

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

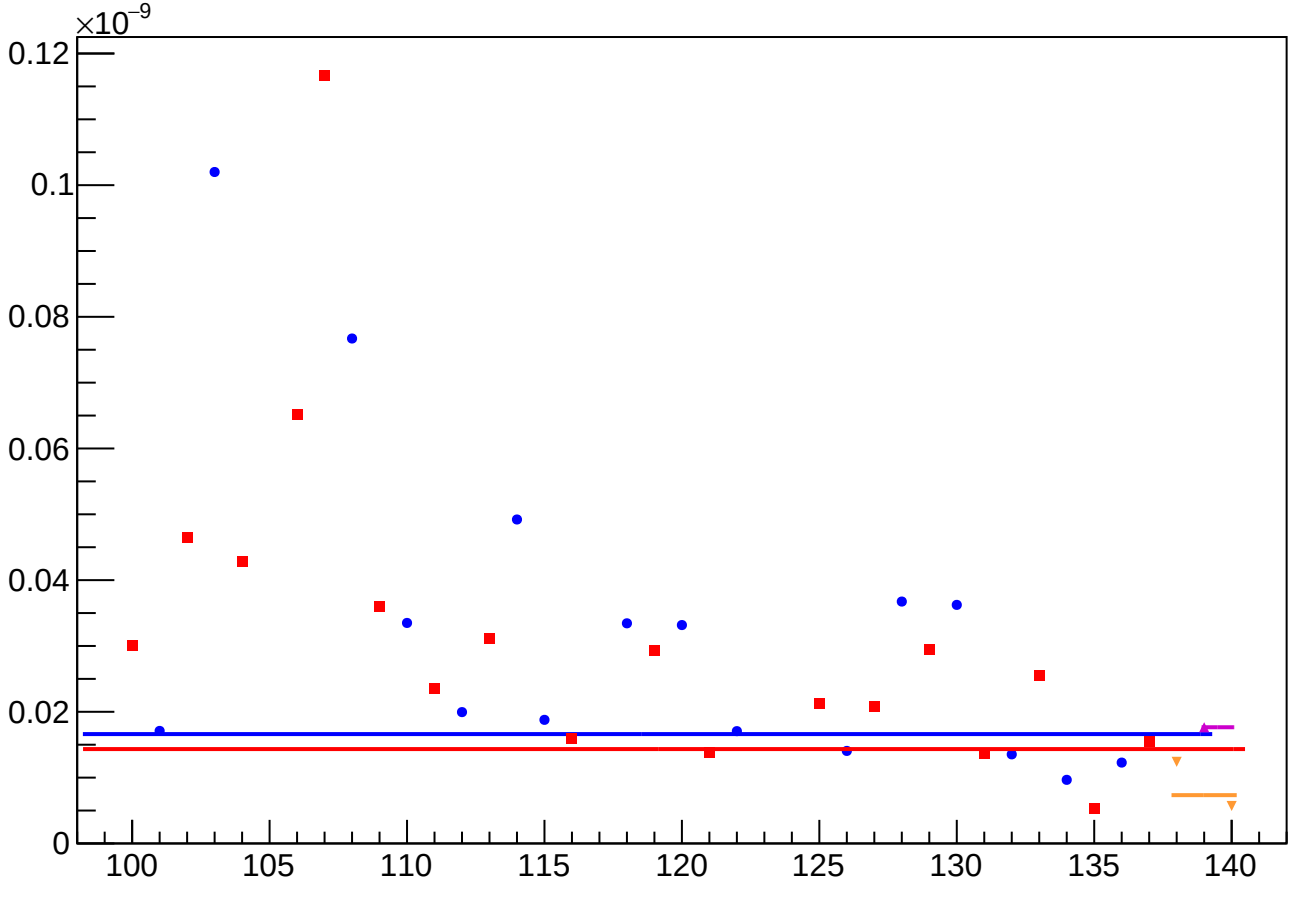
Left: 0.000+/-0.000 χ^2/NDF: 2.3/2

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:17.3/16

Out: 0.000+/-0.000 χ^2/NDF:27.8/19

All: 0.000+/-0.000 χ^2/NDF: 45.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:179548.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 497182.4/2

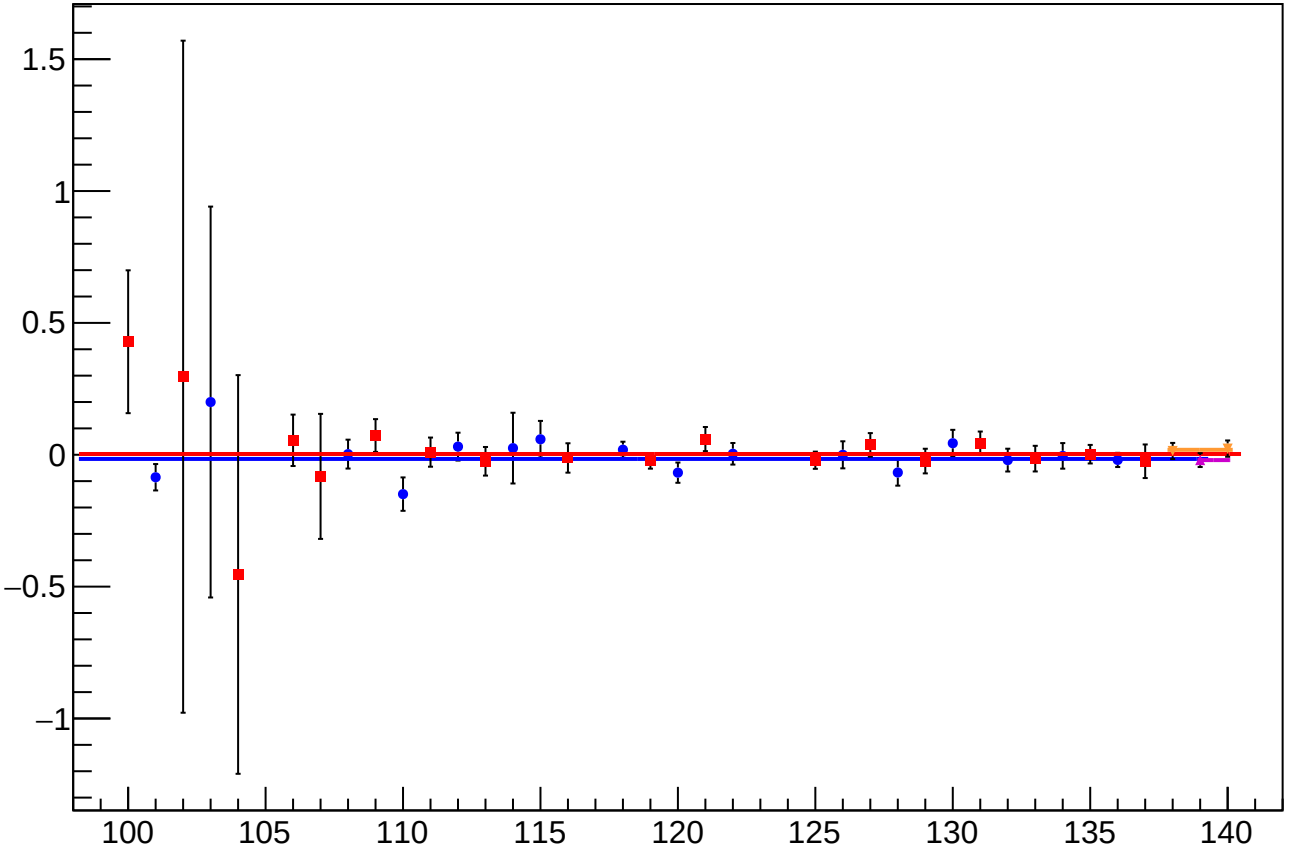
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:1576172.7/16

Out: 0.000+/-0.000 χ^2/NDF:2915083.2/19

All: 0.000+/-0.000 χ^2/NDF: 5022198.4/36

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: 0.019+/-0.022 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.020+/-0.026 χ^2/NDF:0.0/0

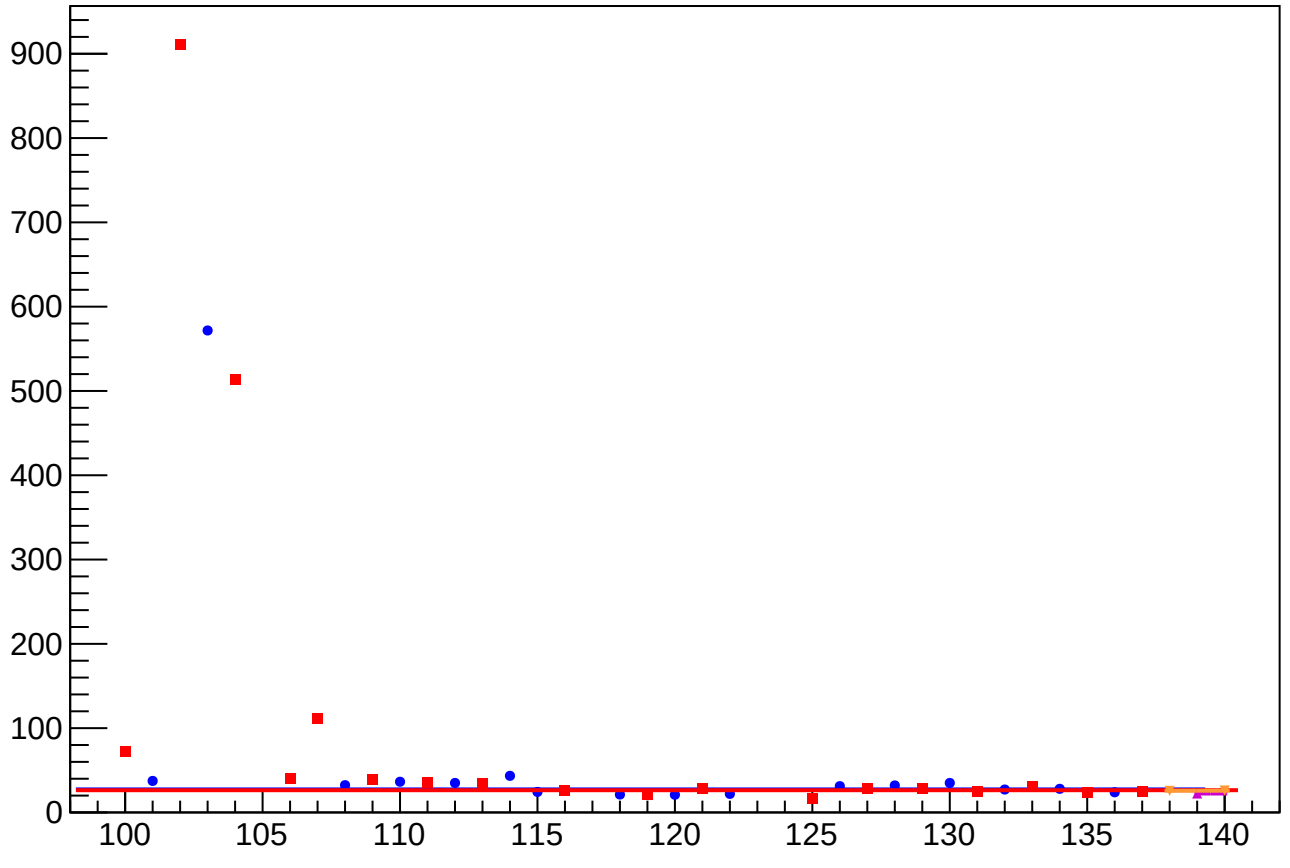
Left: 0.003+/-0.017 χ^2/NDF: 1.3/2

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.017+/-0.011 χ^2/NDF:14.6/16

Out: 0.007+/-0.011 χ^2/NDF:10.3/19

All: -0.005+/-0.007 χ^2/NDF: 27.4/36



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 25.805+/-0.015 χ^2/NDF:192.2/1

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 22.486+/-0.019 χ^2/NDF:0.0/0

Left: 24.456+/-0.012 χ^2/NDF: 19127.6/2

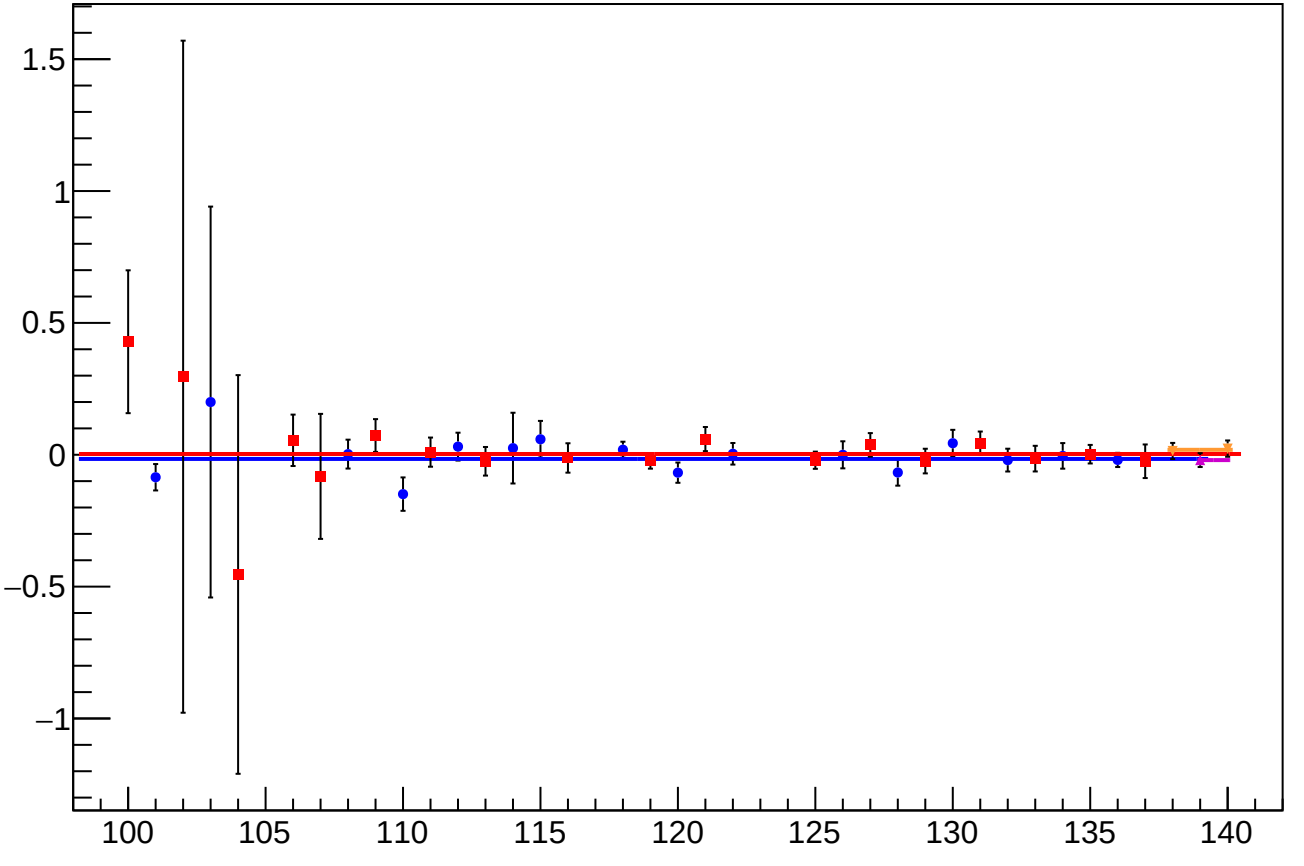
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 26.524+/-0.007 χ^2/NDF:1624675.6/16

Out: 26.261+/-0.007 χ^2/NDF:2616029.2/19

All: 26.392+/-0.005 χ^2/NDF: 4241326.6/36

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.019+/-0.022 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.020+/-0.026 χ^2/NDF:0.0/0

Left: 0.003+/-0.017 χ^2/NDF: 1.3/2

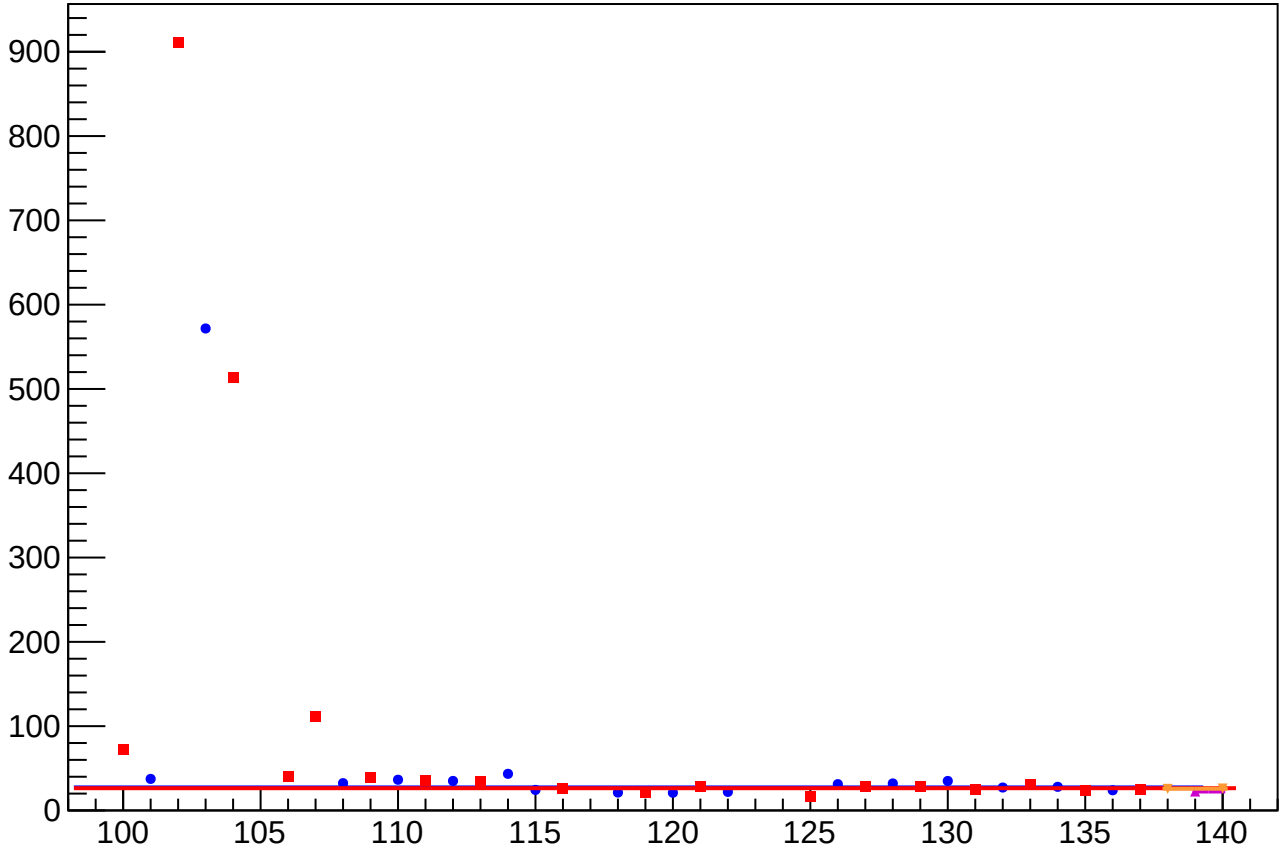
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.017+/-0.011 χ^2/NDF:14.6/16

Out: 0.007+/-0.011 χ^2/NDF:10.3/19

All: -0.005+/-0.007 χ^2/NDF: 27.4/36

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 25.805+/-0.015 χ^2/NDF:192.2/1

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 22.486+/-0.019 χ^2/NDF:0.0/0

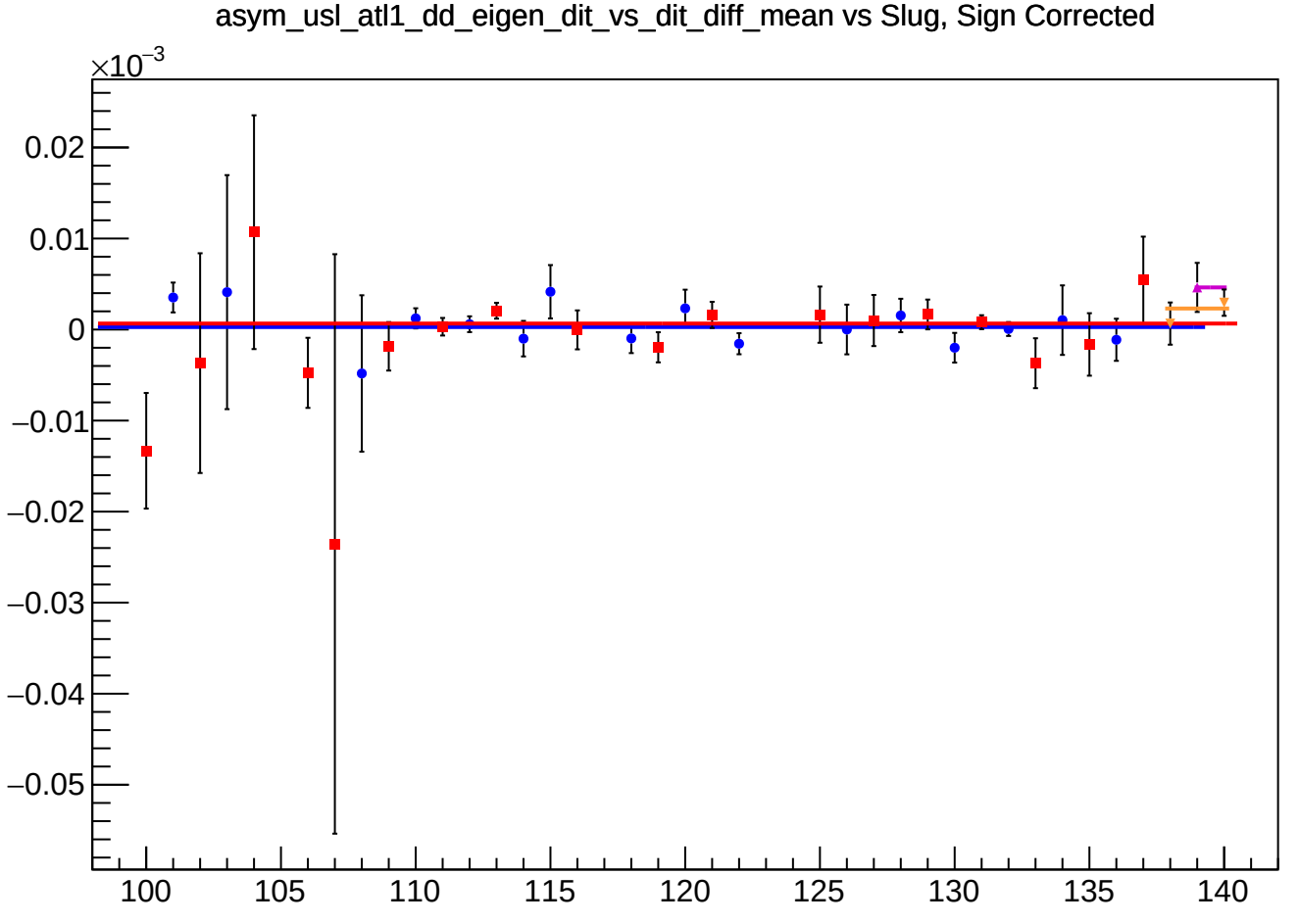
Left: 24.456+/-0.012 χ^2/NDF: 19127.6/2

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 26.524+/-0.007 χ^2/NDF:1624675.6/16

Out: 26.261+/-0.007 χ^2/NDF:2616029.2/19

All: 26.392+/-0.005 χ^2/NDF: 4241326.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 1.3/2

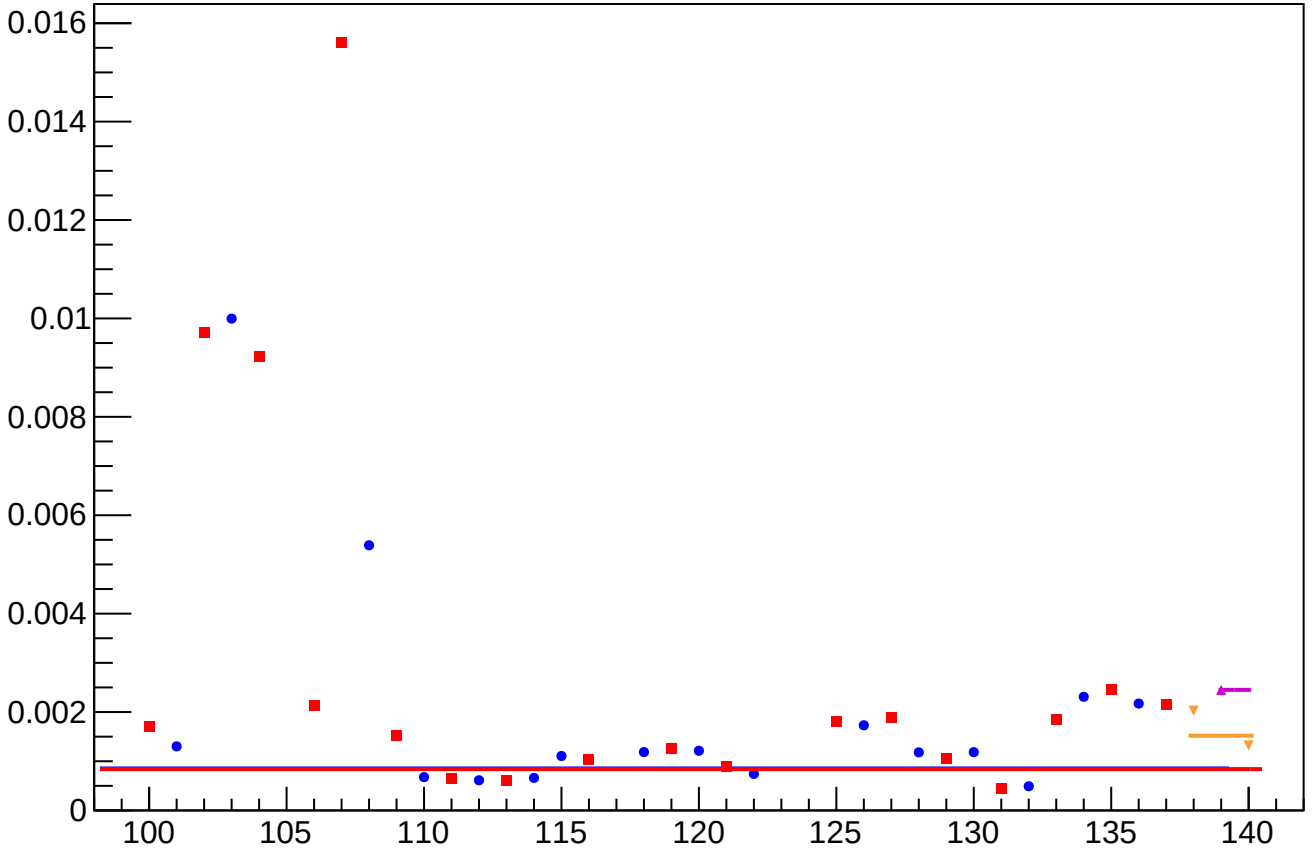
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:17.0/16

Out: 0.000+/-0.000 χ^2/NDF:21.6/19

All: 0.000+/-0.000 χ^2/NDF: 39.4/36

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:133131.7/1

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:0.0/0

Left: 0.002+/-0.000 χ^2/NDF: 330724.9/2

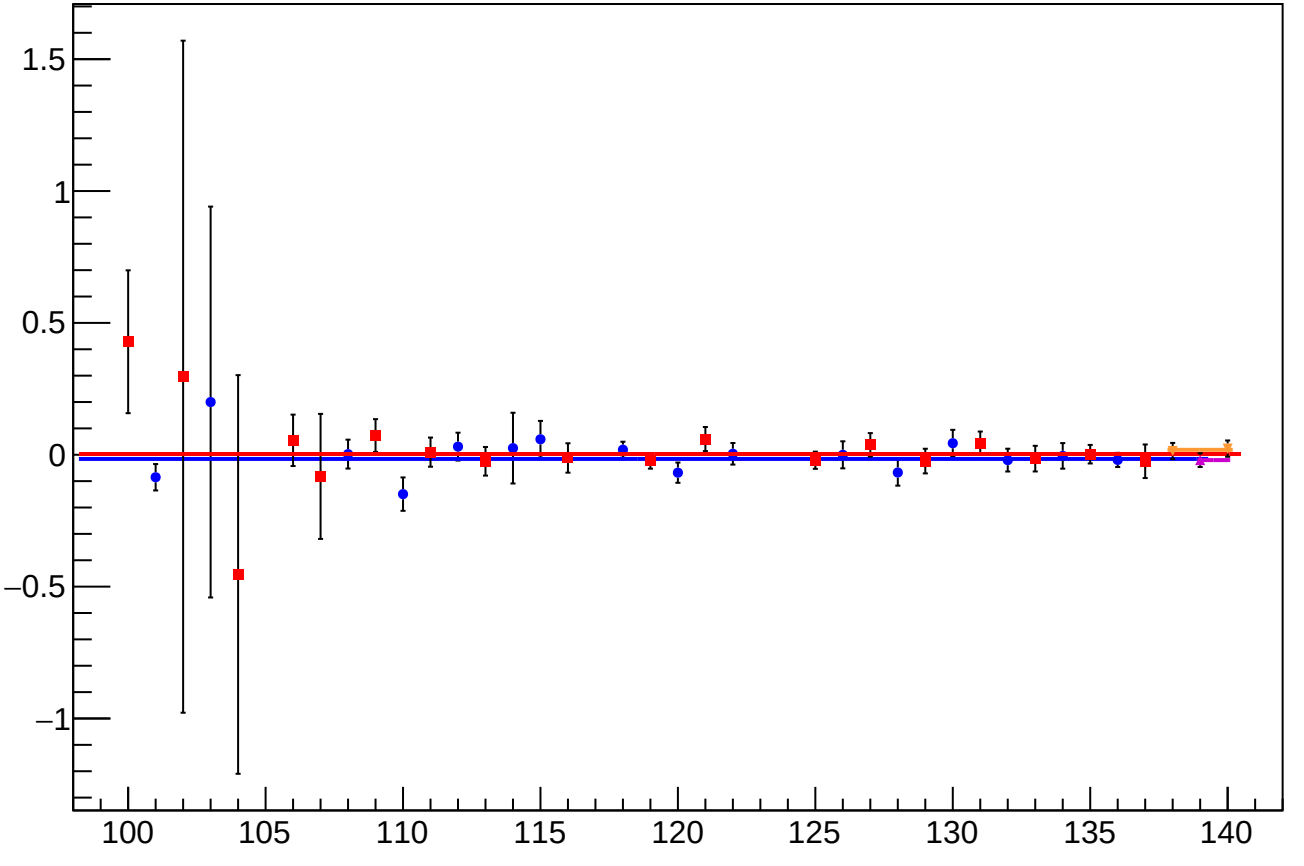
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:4552163.5/16

Out: 0.001+/-0.000 χ^2/NDF:5726808.0/19

All: 0.001+/-0.000 χ^2/NDF: 10282325.0/36

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: 0.019+/-0.022 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.020+/-0.026 χ^2/NDF:0.0/0

Left: 0.003+/-0.017 χ^2/NDF: 1.3/2

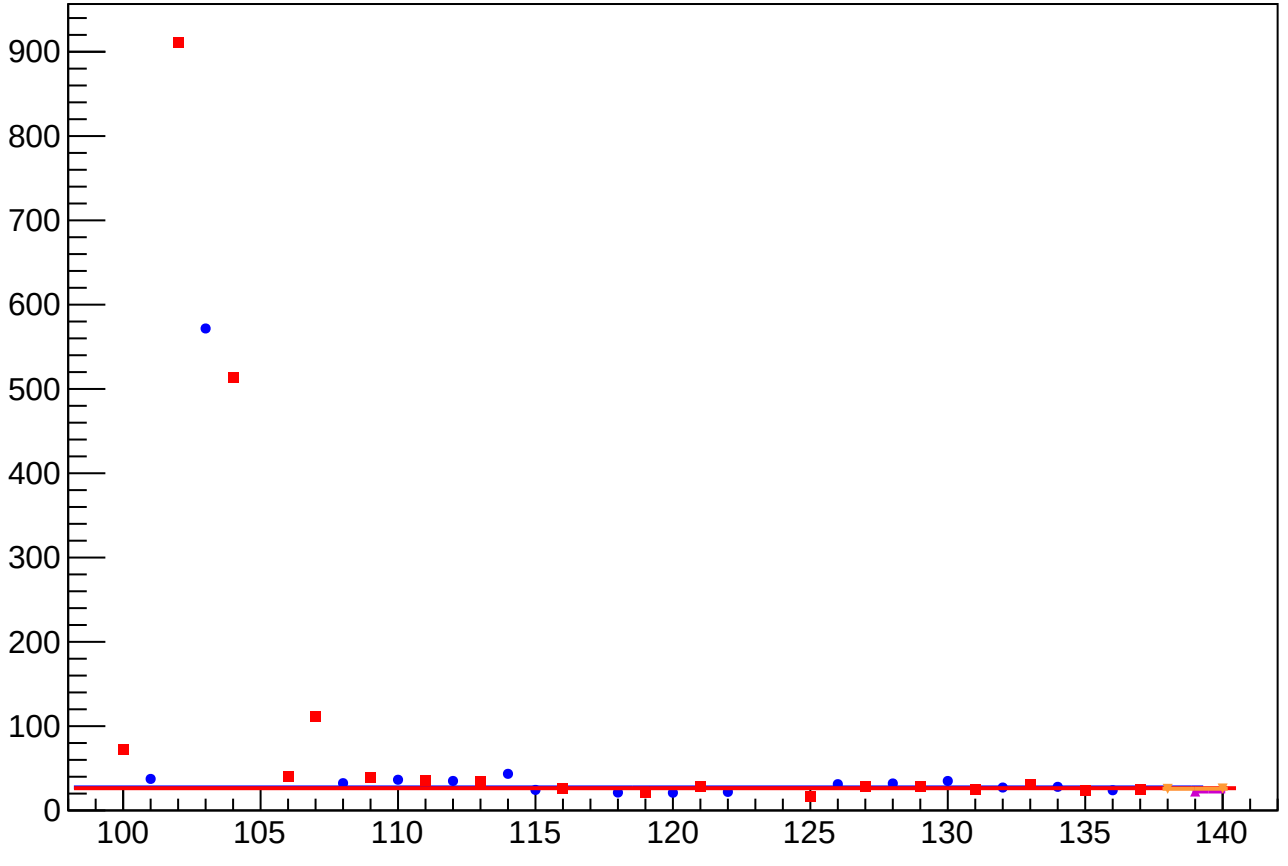
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.017+/-0.011 χ^2/NDF:14.6/16

Out: 0.007+/-0.011 χ^2/NDF:10.3/19

All: -0.005+/-0.007 χ^2/NDF: 27.4/36

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 25.805+/-0.015 χ^2/NDF:191.6/1

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 22.486+/-0.019 χ^2/NDF:0.0/0

Left: 24.456+/-0.012 χ^2/NDF: 19119.9/2

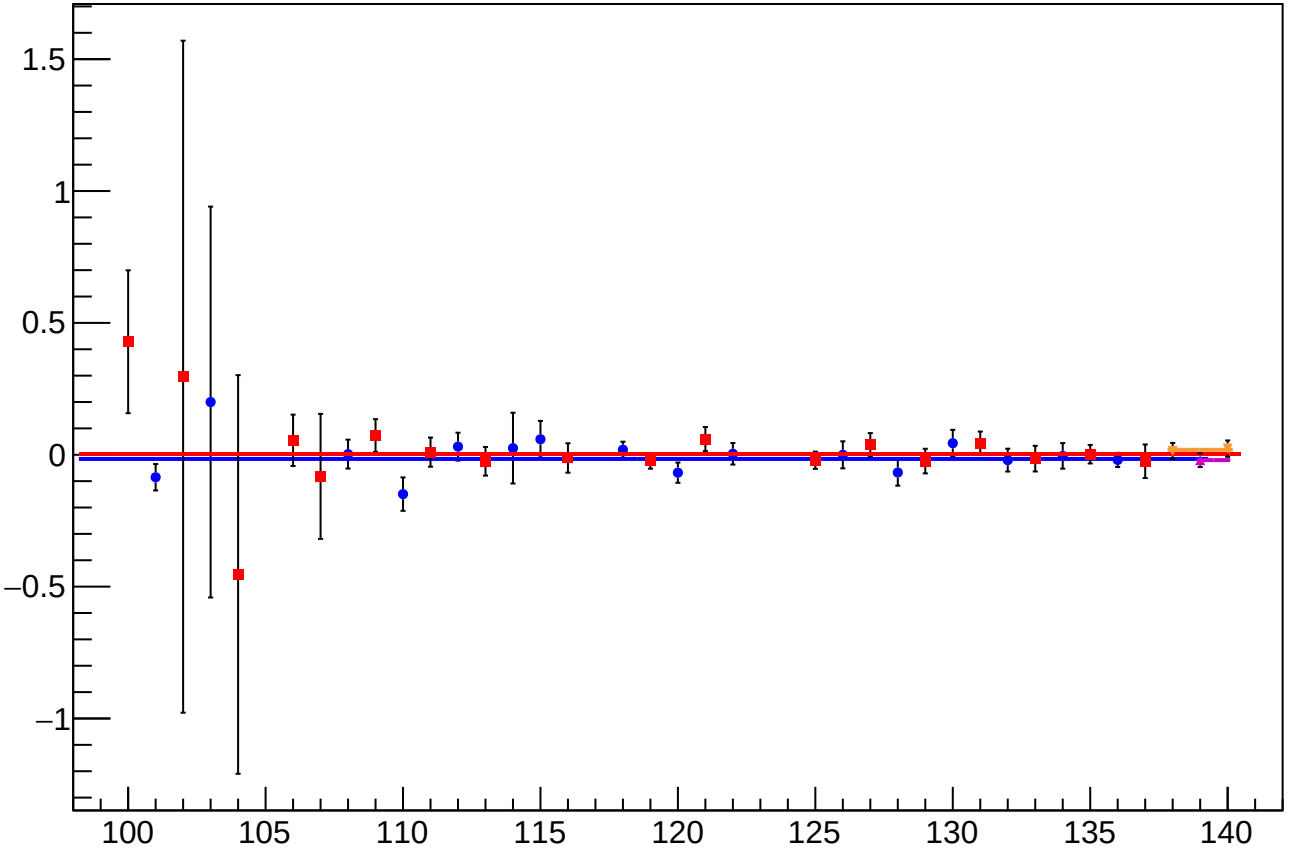
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 26.524+/-0.007 χ^2/NDF:1624655.6/16

Out: 26.261+/-0.007 χ^2/NDF:2616047.4/19

All: 26.392+/-0.005 χ^2/NDF: 4241325.3/36

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.019+/-0.022 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.020+/-0.026 χ^2/NDF:0.0/0

Left: 0.003+/-0.017 χ^2/NDF: 1.3/2

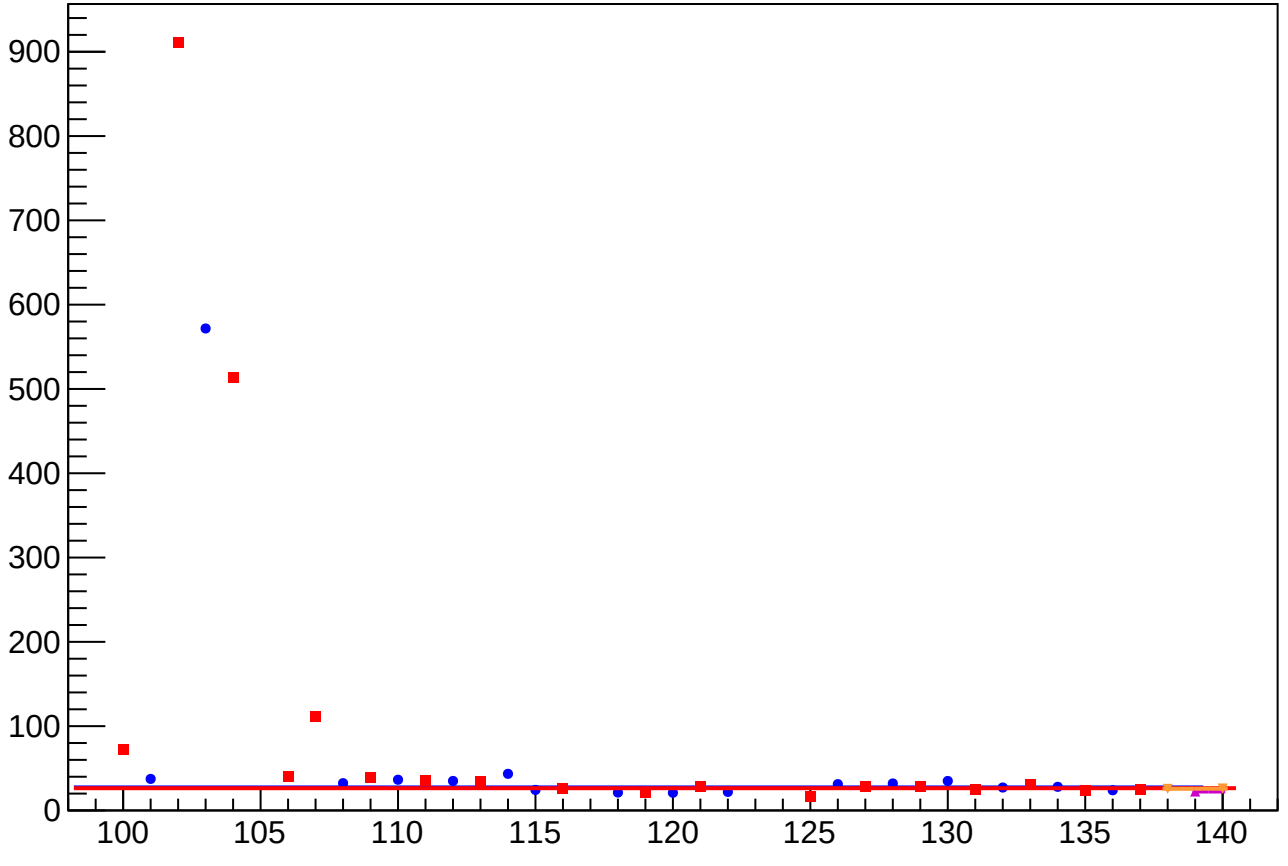
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.017+/-0.011 χ^2/NDF:14.6/16

Out: 0.007+/-0.011 χ^2/NDF:10.3/19

All: -0.005+/-0.007 χ^2/NDF: 27.4/36

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 25.805+/-0.015 χ^2/NDF:191.6/1

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 22.486+/-0.019 χ^2/NDF:0.0/0

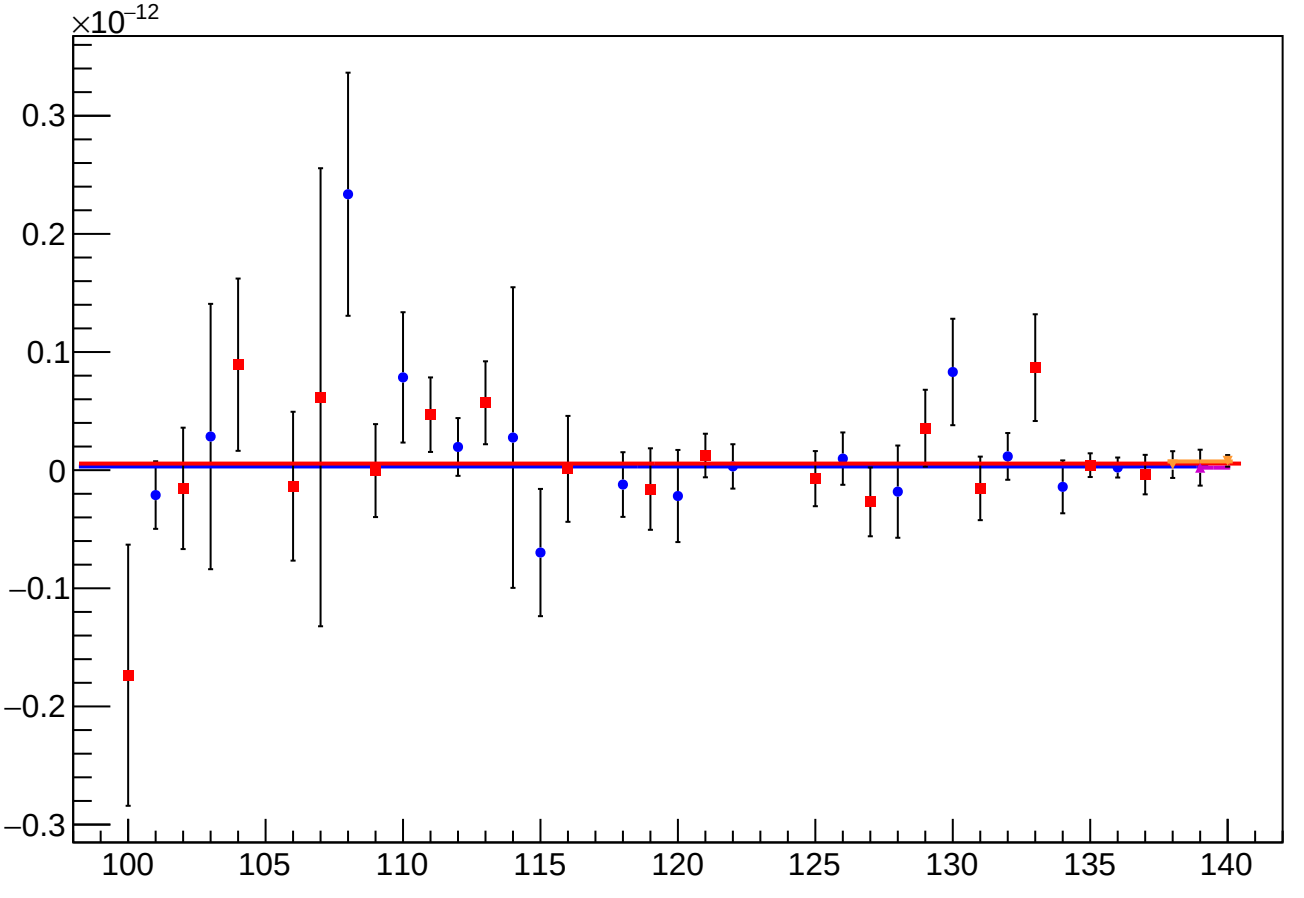
Left: 24.456+/-0.012 χ^2/NDF: 19119.9/2

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 26.524+/-0.007 χ^2/NDF:1624655.6/16

Out: 26.261+/-0.007 χ^2/NDF:2616047.4/19

All: 26.392+/-0.005 χ^2/NDF: 4241325.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.2/2

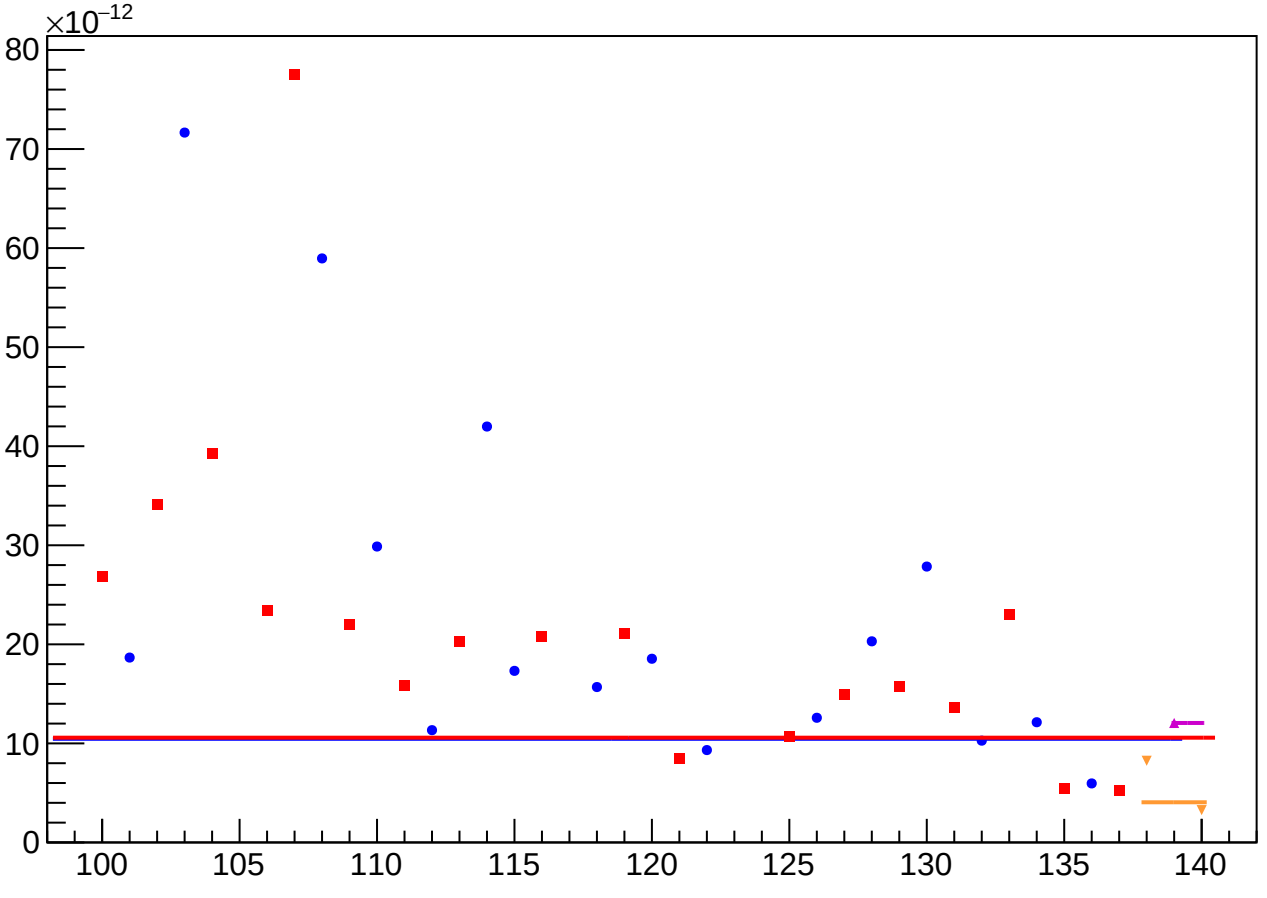
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:15.0/16

Out: 0.000+/-0.000 χ^2/NDF:15.4/19

All: 0.000+/-0.000 χ^2/NDF: 30.8/36

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:325778.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

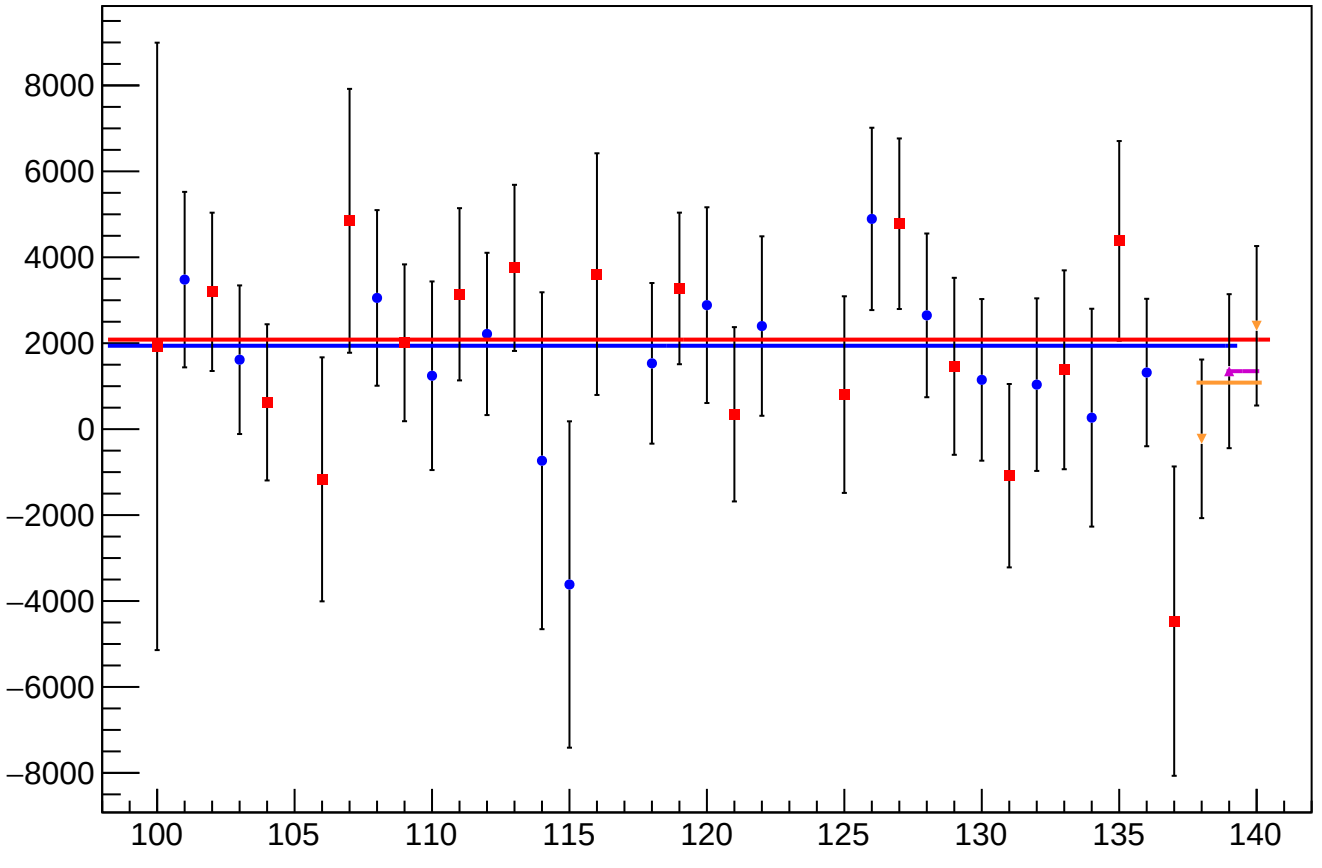
Left: 0.000+/-0.000 χ^2/NDF: 835695.4/2

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:2814213.4/16

Out: 0.000+/-0.000 χ^2/NDF:4578385.4/19

All: 0.000+/-0.000 χ^2/NDF: 8271028.6/36



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1082.927+/-1308.611 χ^2/NDF:1.0/1

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 1349.227+/-1792.069 χ^2/NDF:0.0/0

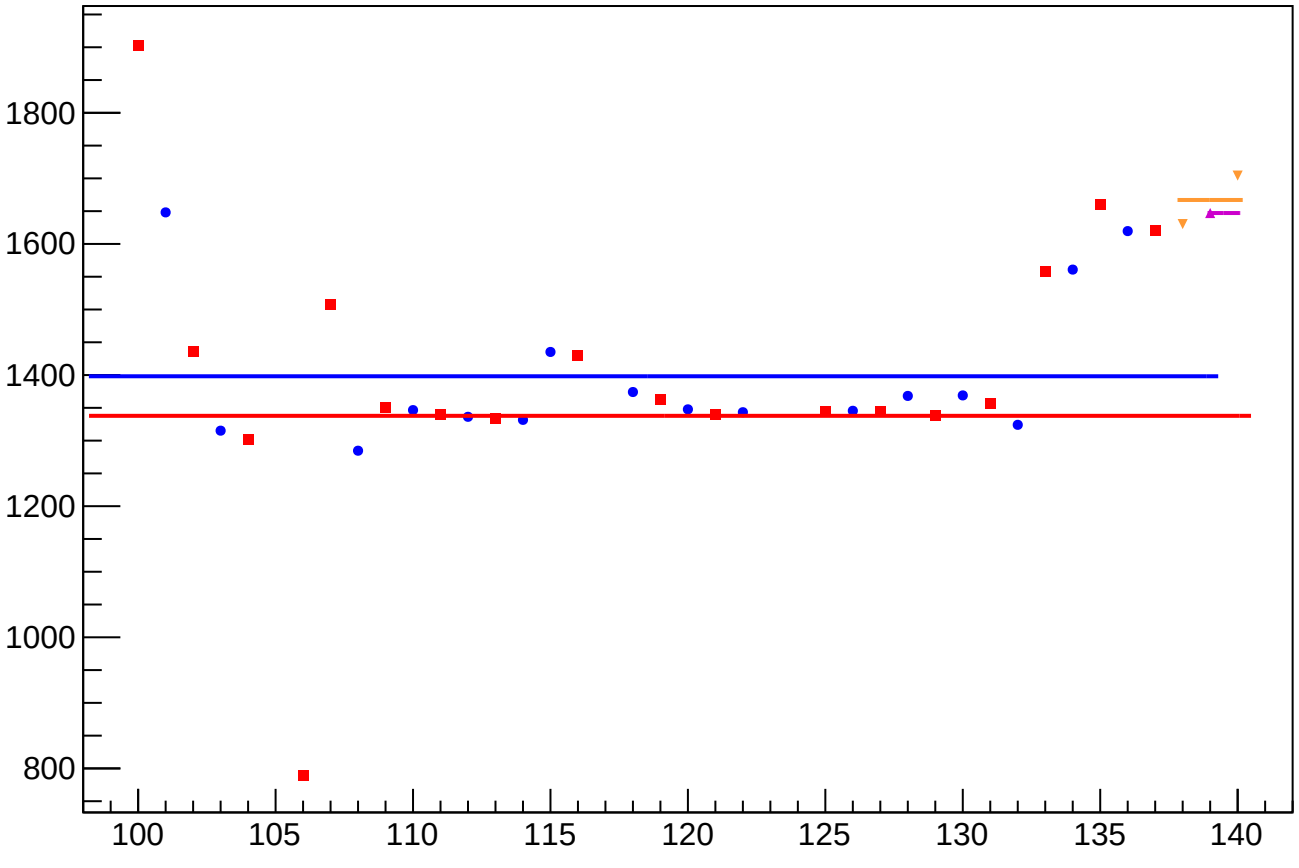
Left: 1175.541+/-1056.835 χ^2/NDF: 1.0/2

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 1894.667+/-501.326 χ^2/NDF:7.0/16

Out: 1947.632+/-482.911 χ^2/NDF:16.0/19

All: 1922.140+/-347.797 χ^2/NDF: 23.0/36



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1667.062+/-0.925 χ^2/NDF:1596.9/1

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1647.147+/-1.267 χ^2/NDF:0.0/0

Left: 1660.136+/-0.747 χ^2/NDF: 1758.0/2

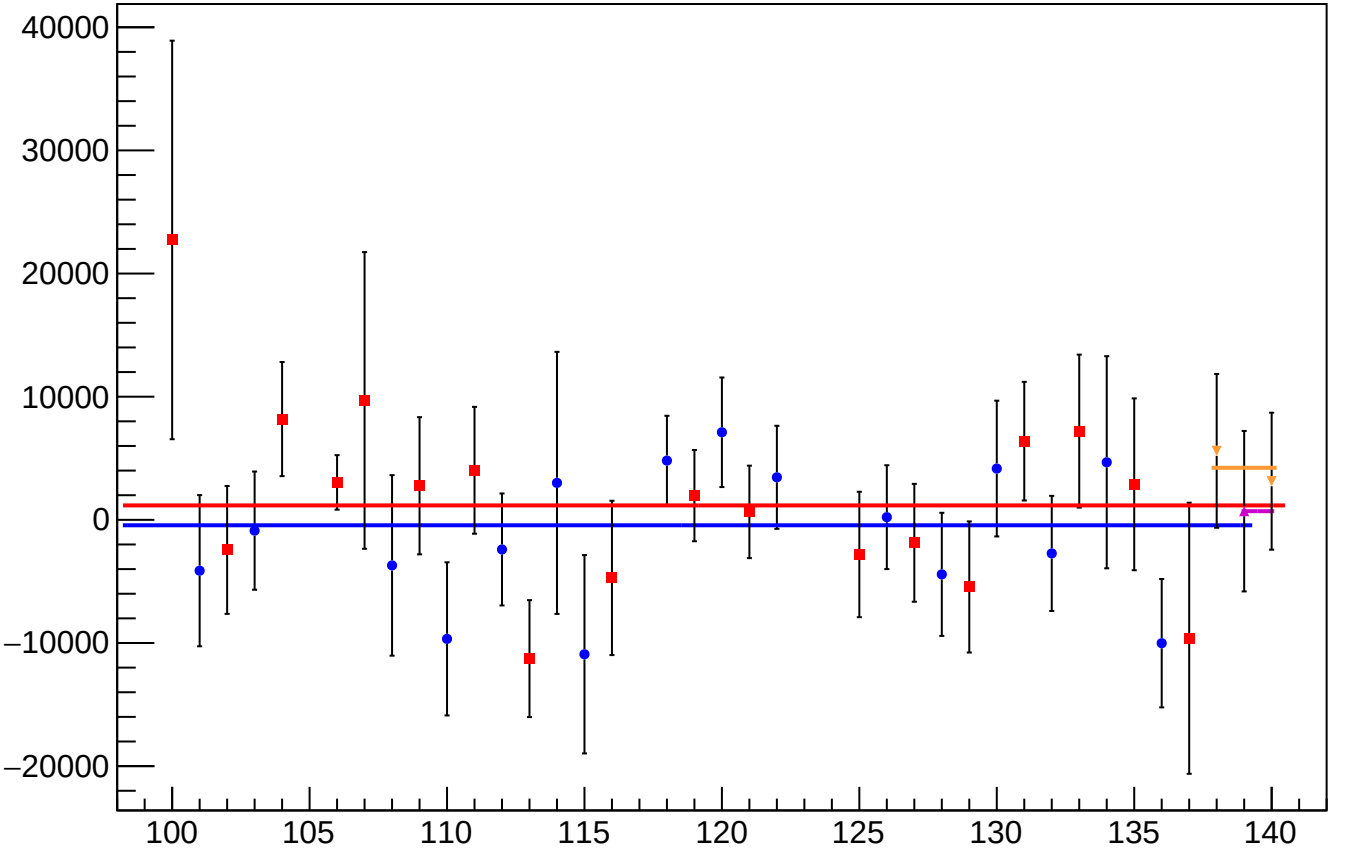
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1417.646+/-0.354 χ^2/NDF:129509.7/16

Out: 1380.250+/-0.332 χ^2/NDF:429647.1/19

All: 1397.734+/-0.242 χ^2/NDF: 565082.4/36

asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 4228.087+/-4153.021 χ^2/NDF:0.1/1

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 702.909+/-6515.247 χ^2/NDF:0.0/0

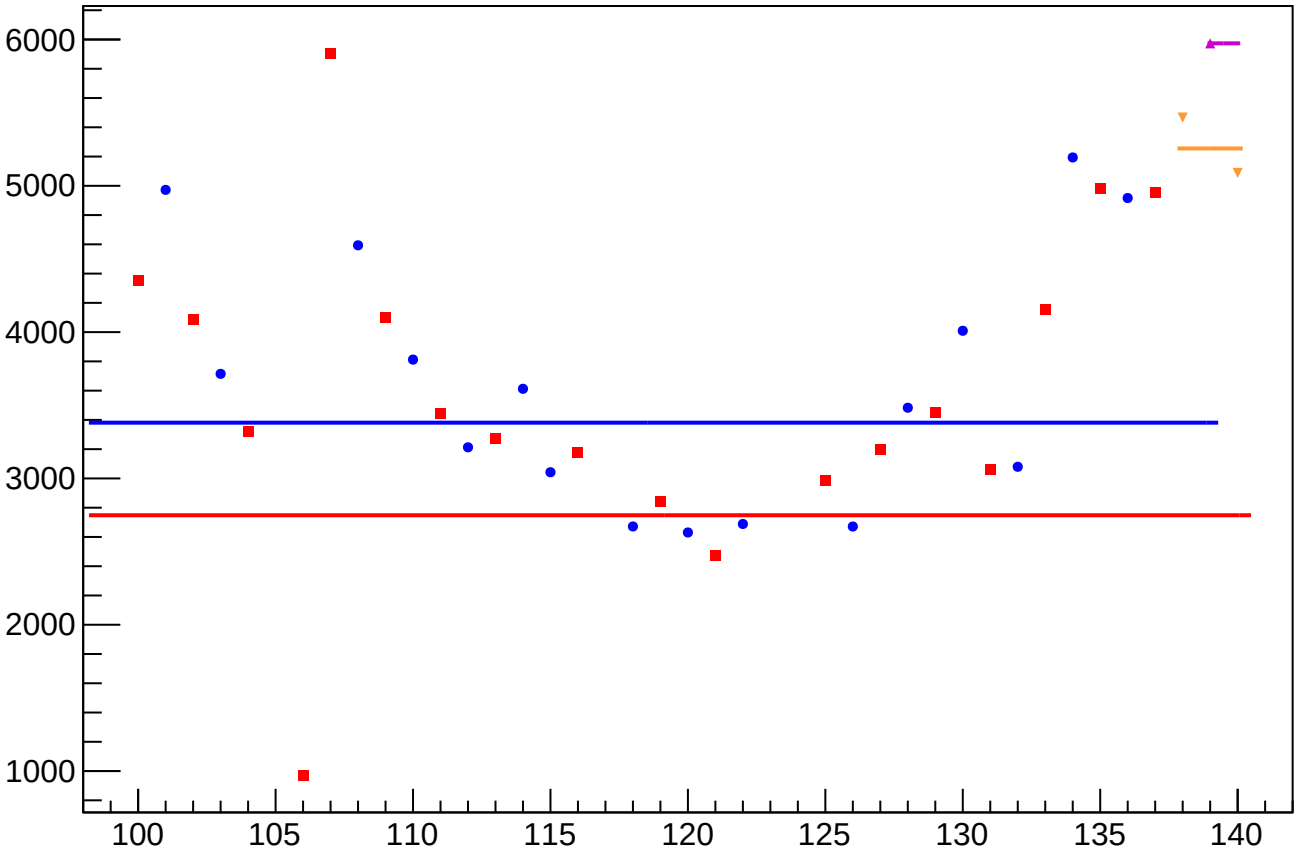
Left: 3209.580+/-3502.050 χ^2/NDF: 0.3/2

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -397.598+/-1271.017 χ^2/NDF:15.9/16

Out: 1378.738+/-1081.267 χ^2/NDF:20.3/19

All: 632.934+/-823.571 χ^2/NDF: 37.3/36



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5255.380+/-2.937 χ^2/NDF:4093.3/1

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5973.749+/-4.607 χ^2/NDF:0.0/0

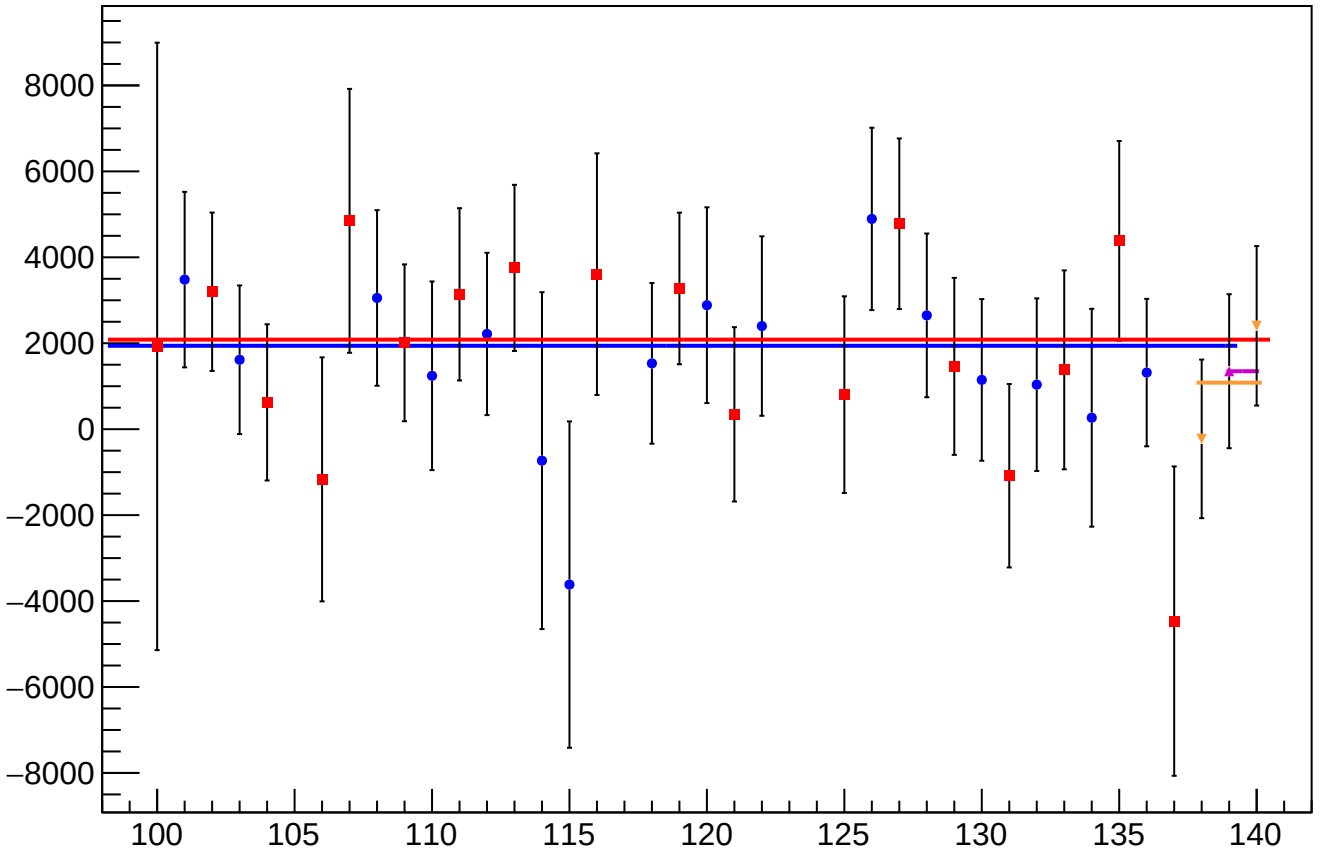
Left: 5462.934+/-2.476 χ^2/NDF: 21382.7/2

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3479.786+/-0.899 χ^2/NDF:1061795.1/16

Out: 2918.311+/-0.765 χ^2/NDF:2948062.5/19

All: 3154.050+/-0.582 χ^2/NDF: 4236282.6/36



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1083.137+/-1308.611 χ^2/NDF:1.0/1

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 1349.039+/-1792.069 χ^2/NDF:0.0/0

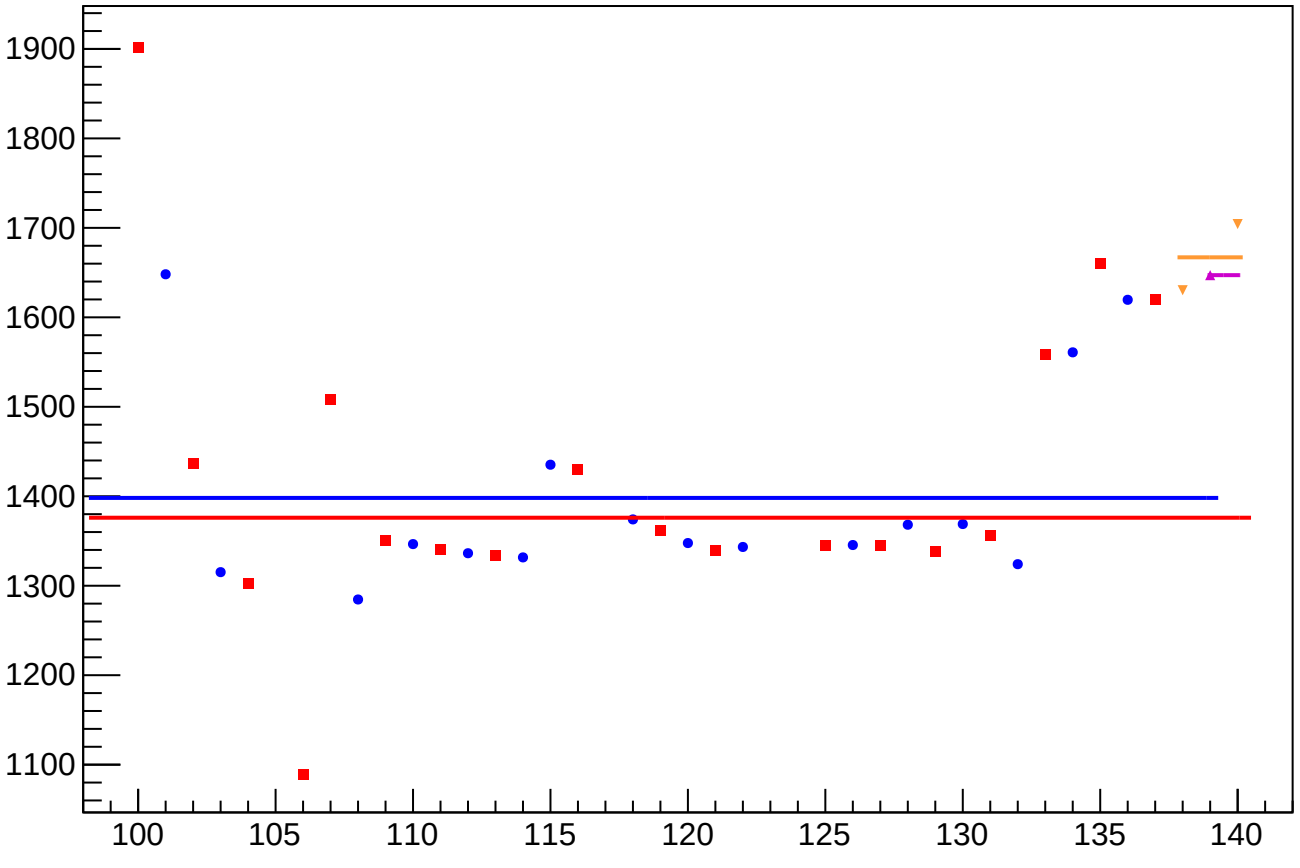
Left: 1175.613+/-1056.835 χ^2/NDF: 1.0/2

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 1894.703+/-501.326 χ^2/NDF:7.0/16

Out: 1947.845+/-482.913 χ^2/NDF:16.0/19

All: 1922.268+/-347.798 χ^2/NDF: 23.0/36



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1667.062+/-0.925 χ^2/NDF:1596.9/1

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1647.147+/-1.267 χ^2/NDF:0.0/0

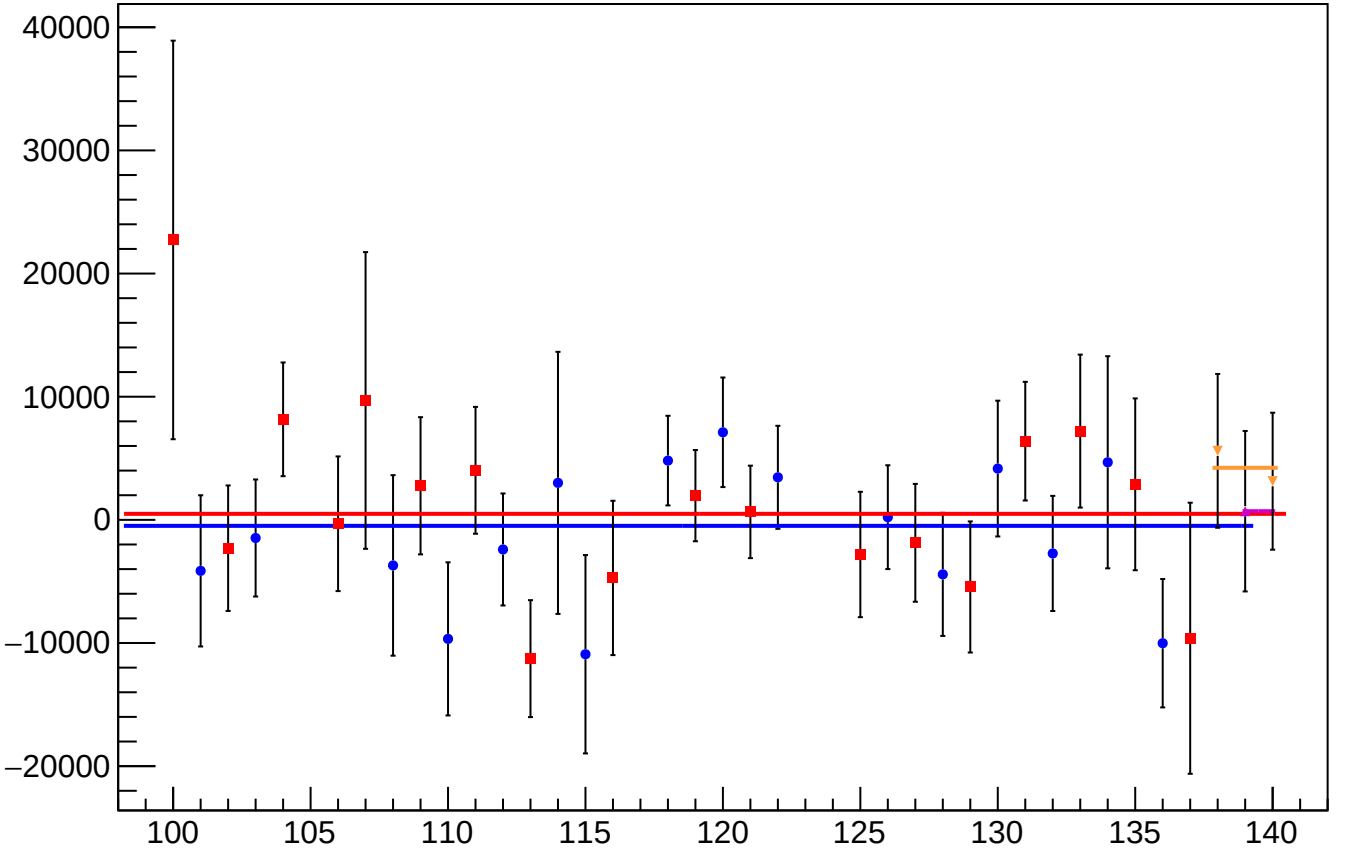
Left: 1660.136+/-0.747 χ^2/NDF: 1758.0/2

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1417.646+/-0.354 χ^2/NDF:129509.7/16

Out: 1414.748+/-0.338 χ^2/NDF:201394.5/19

All: 1416.126+/-0.244 χ^2/NDF: 330939.3/36



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 4228.383+/-4153.020 χ^2/NDF:0.1/1

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 702.921+/-6515.242 χ^2/NDF:0.0/0

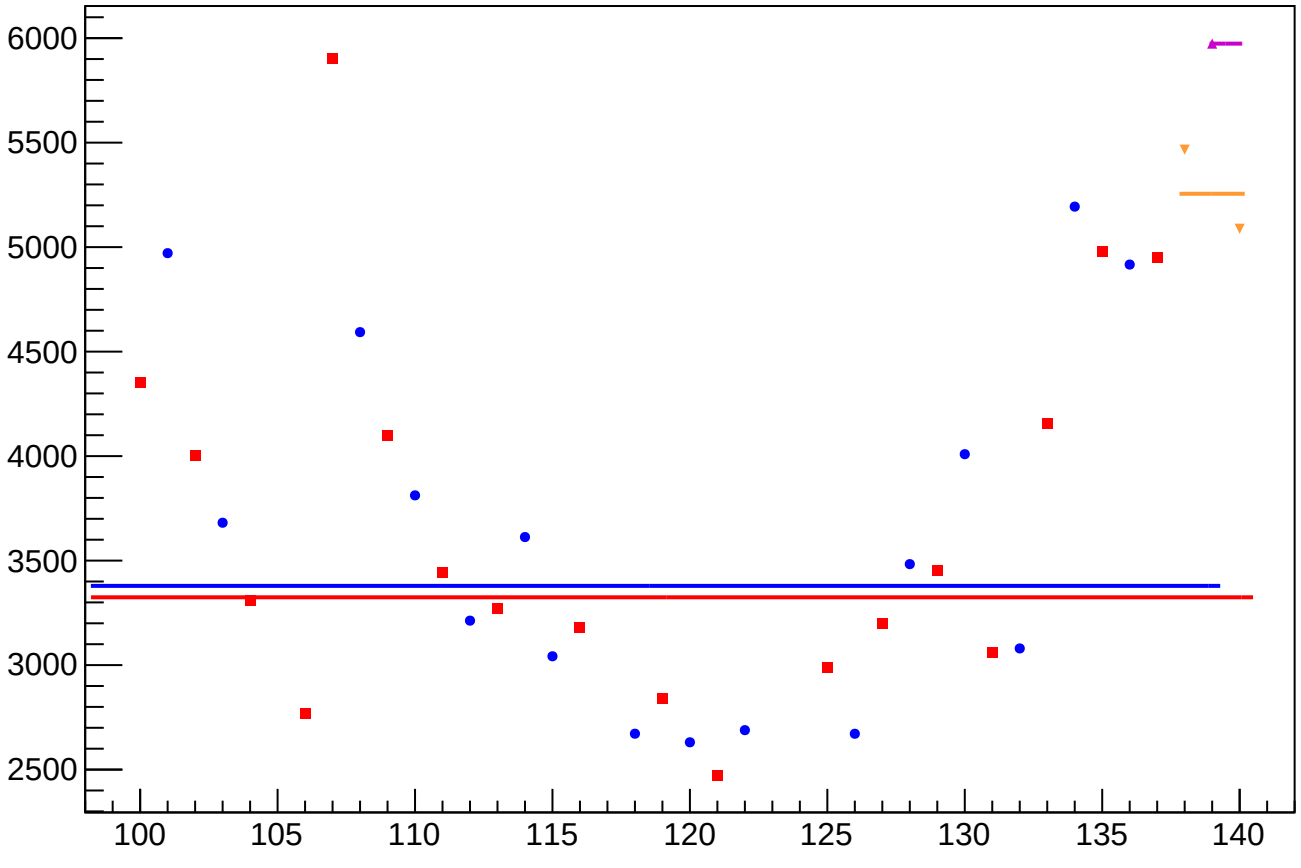
Left: 3209.794+/-3502.049 χ^2/NDF: 0.3/2

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -441.360+/-1270.087 χ^2/NDF:16.0/16

Out: 804.420+/-1206.881 χ^2/NDF:19.5/19

All: 213.298+/-874.886 χ^2/NDF: 36.0/36



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5255.379+/-2.937 χ^2/NDF:4093.5/1

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5973.745+/-4.607 χ^2/NDF:0.0/0

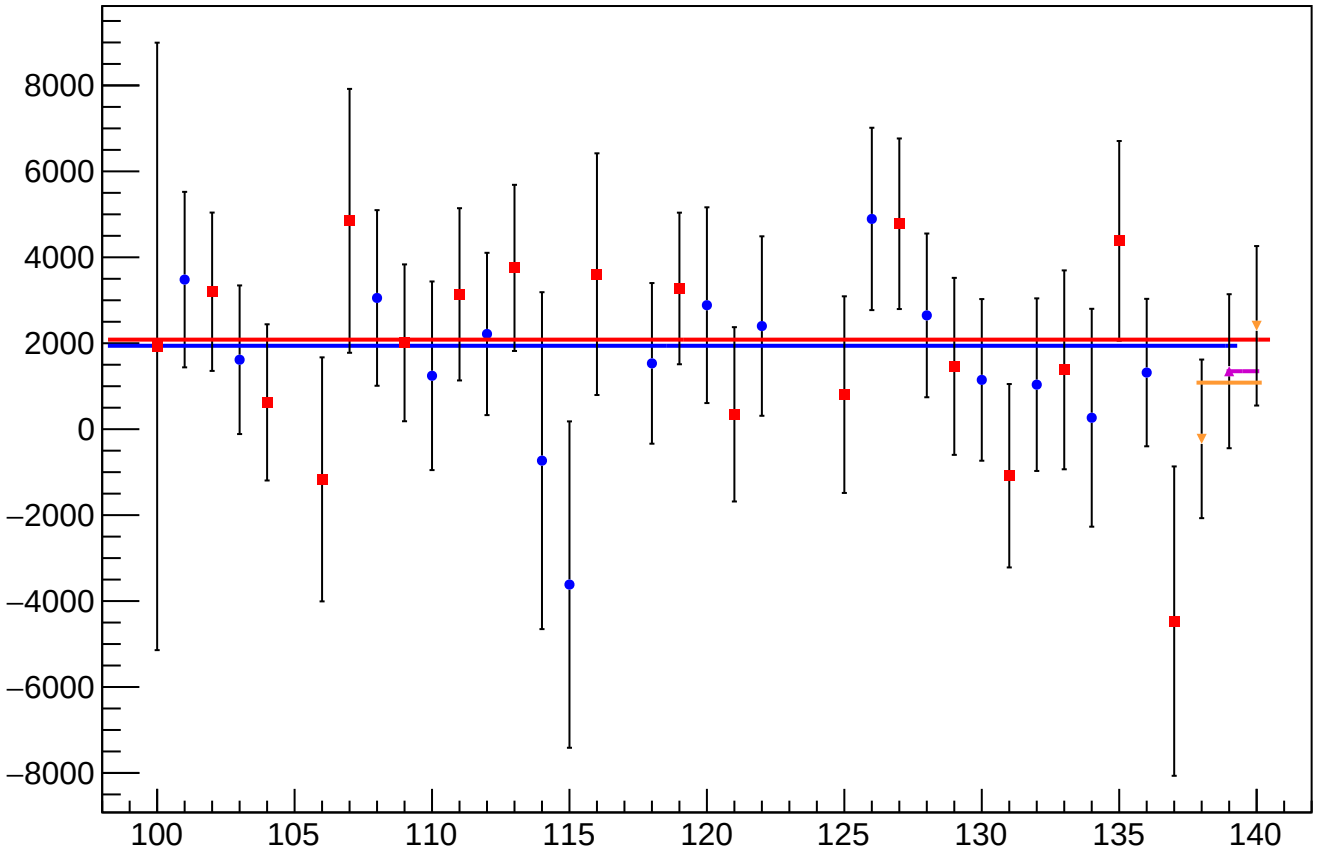
Left: 5462.932+/-2.476 χ^2/NDF: 21382.7/2

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3477.711+/-0.898 χ^2/NDF:1060477.2/16

Out: 3487.517+/-0.853 χ^2/NDF:943744.2/19

All: 3482.864+/-0.619 χ^2/NDF: 2004284.0/36



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1083.137+/-1308.611 χ^2/NDF:1.0/1

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 1349.039+/-1792.069 χ^2/NDF:0.0/0

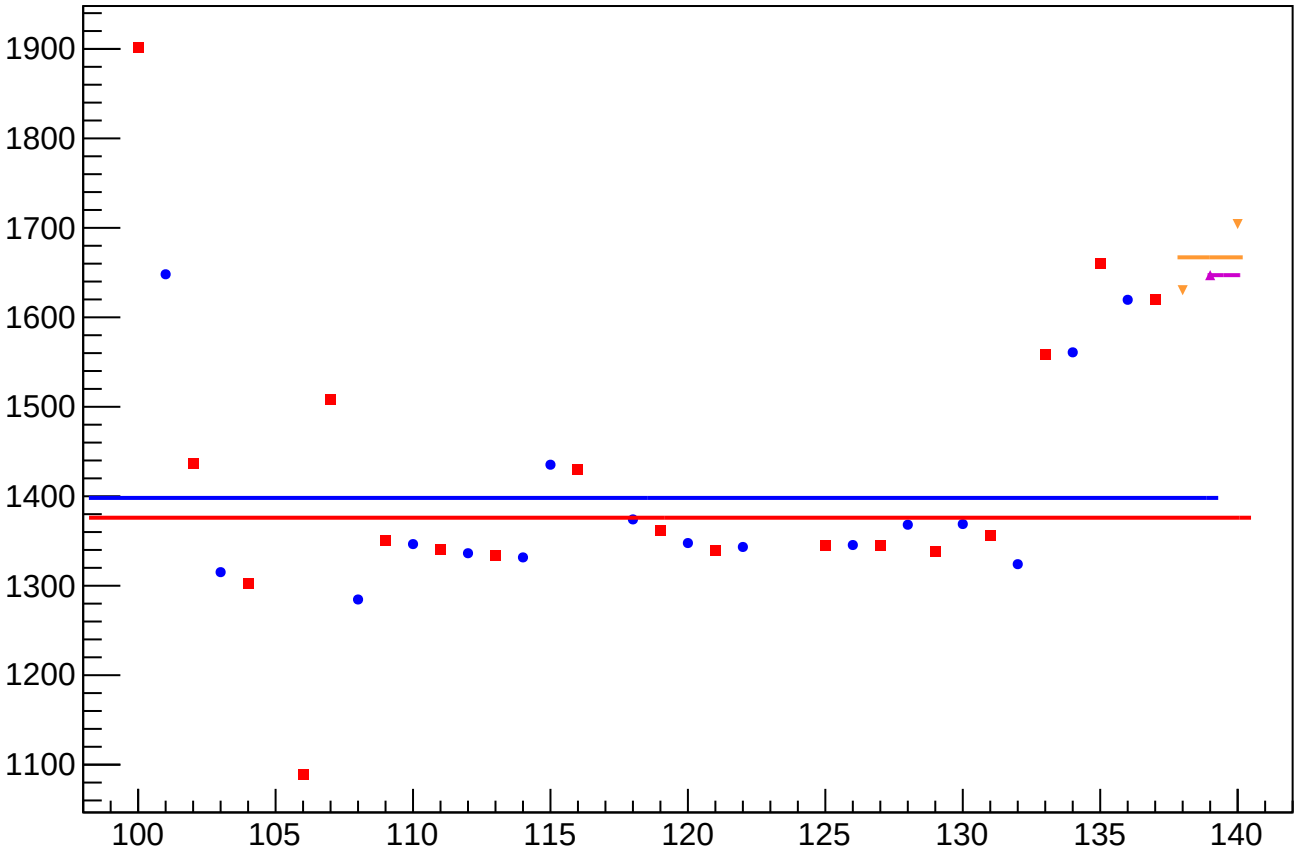
Left: 1175.613+/-1056.835 χ^2/NDF: 1.0/2

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 1894.703+/-501.326 χ^2/NDF:7.0/16

Out: 1947.845+/-482.913 χ^2/NDF:16.0/19

All: 1922.268+/-347.798 χ^2/NDF: 23.0/36



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1667.062+/-0.925 χ^2/NDF:1596.9/1

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1647.147+/-1.267 χ^2/NDF:0.0/0

Left: 1660.136+/-0.747 χ^2/NDF: 1758.0/2

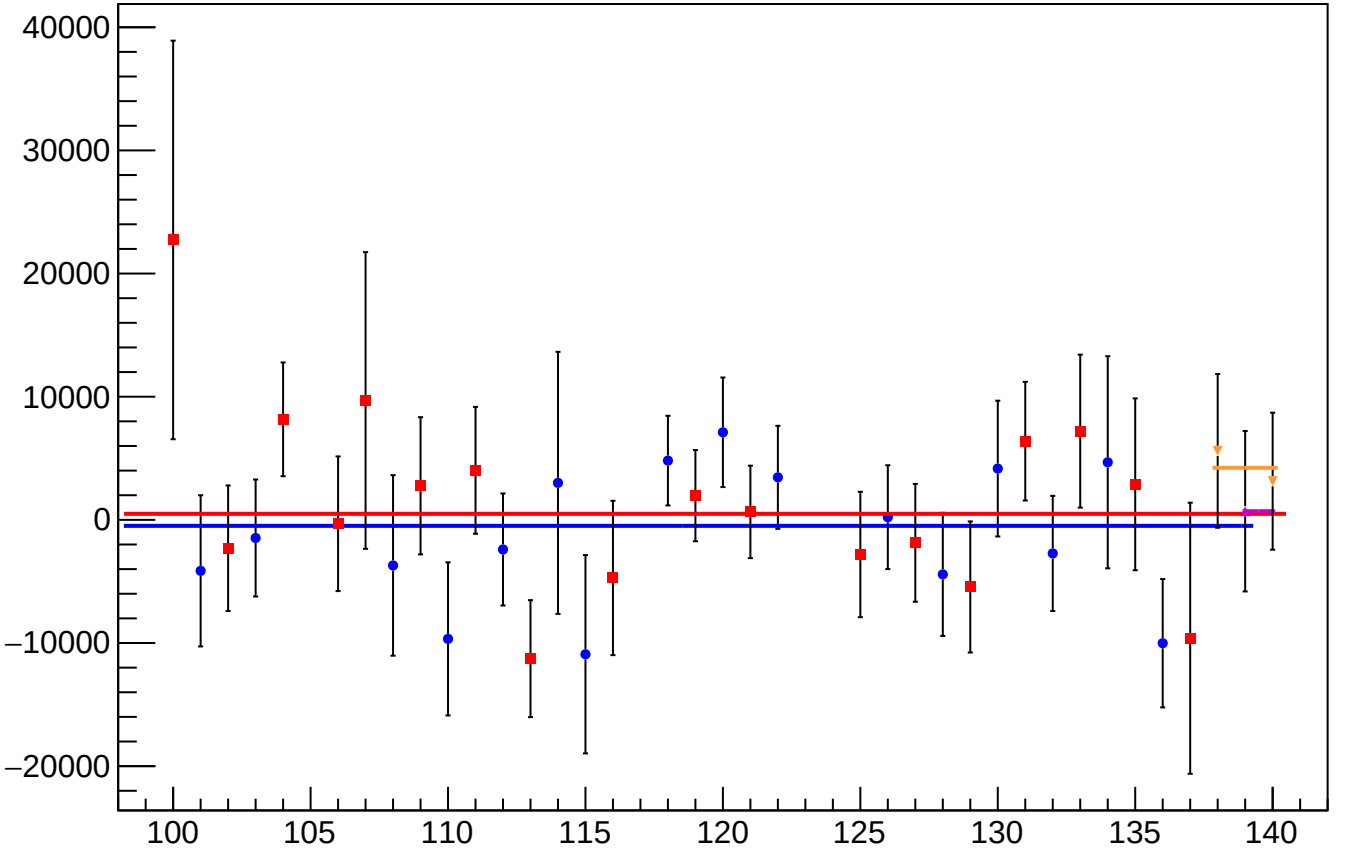
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1417.646+/-0.354 χ^2/NDF:129509.7/16

Out: 1414.748+/-0.338 χ^2/NDF:201394.5/19

All: 1416.126+/-0.244 χ^2/NDF: 330939.3/36

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 4228.383+/-4153.020 χ^2/NDF:0.1/1

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 702.921+/-6515.242 χ^2/NDF:0.0/0

Left: 3209.794+/-3502.049 χ^2/NDF: 0.3/2

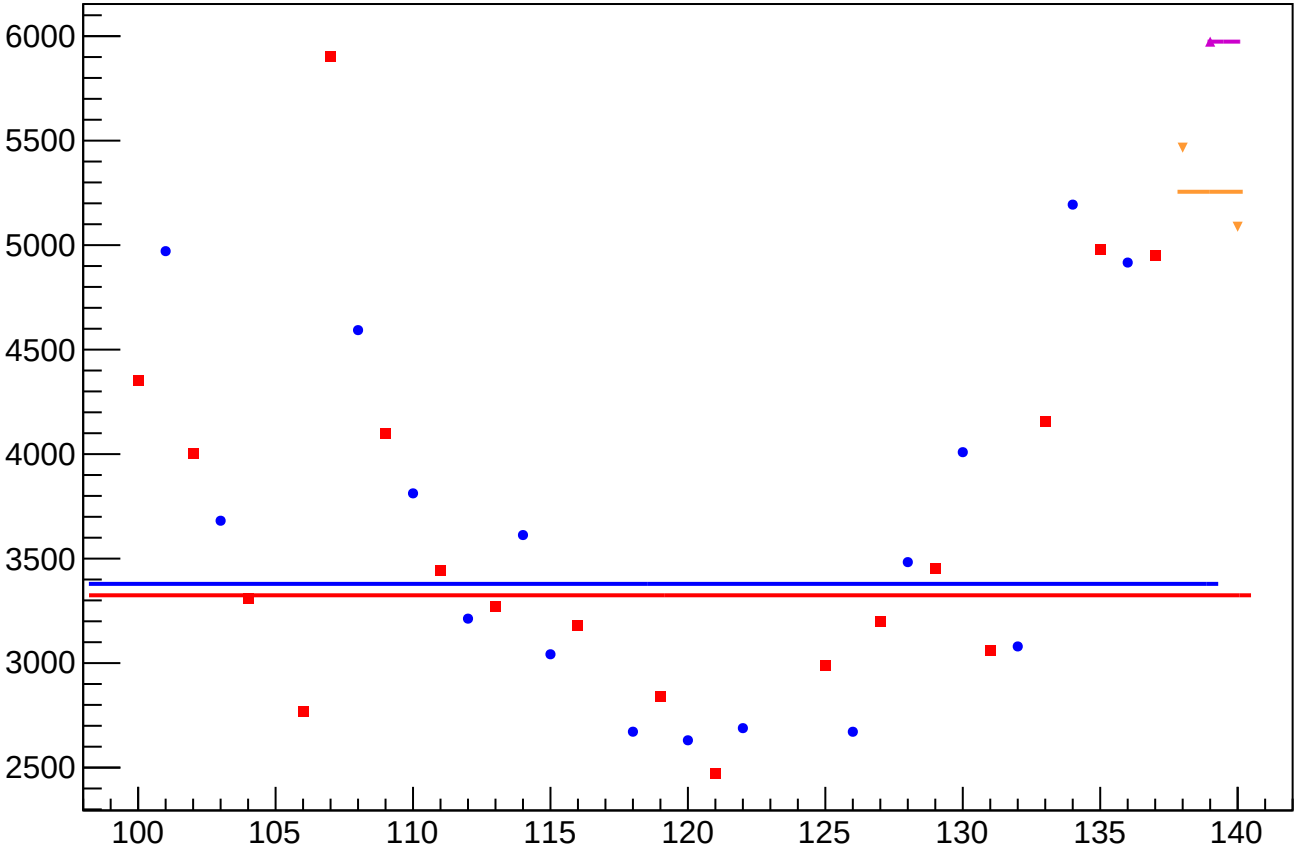
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -441.360+/-1270.087 χ^2/NDF:16.0/16

Out: 804.420+/-1206.881 χ^2/NDF:19.5/19

All: 213.298+/-874.886 χ^2/NDF: 36.0/36

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5255.379+/-2.937 χ^2/NDF:4093.5/1

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5973.745+/-4.607 χ^2/NDF:0.0/0

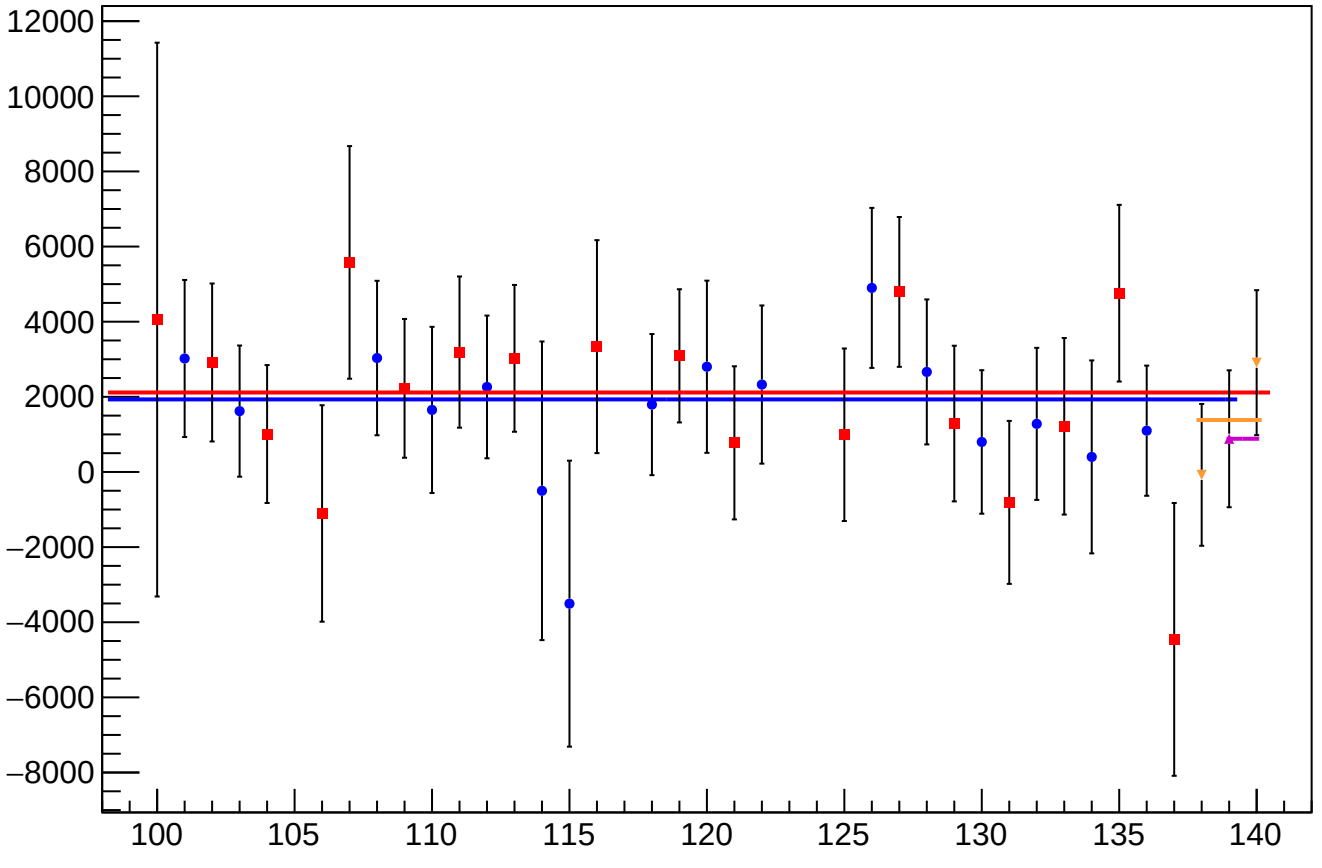
Left: 5462.932+/-2.476 χ^2/NDF: 21382.7/2

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3477.711+/-0.898 χ^2/NDF:1060477.2/16

Out: 3487.517+/-0.853 χ^2/NDF:943744.2/19

All: 3482.864+/-0.619 χ^2/NDF: 2004284.0/36



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1382.641+/-1349.555 χ^2/NDF:1.2/1

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 883.609+/-1822.183 χ^2/NDF:0.0/0

Left: 1205.872+/-1084.505 χ^2/NDF: 1.3/2

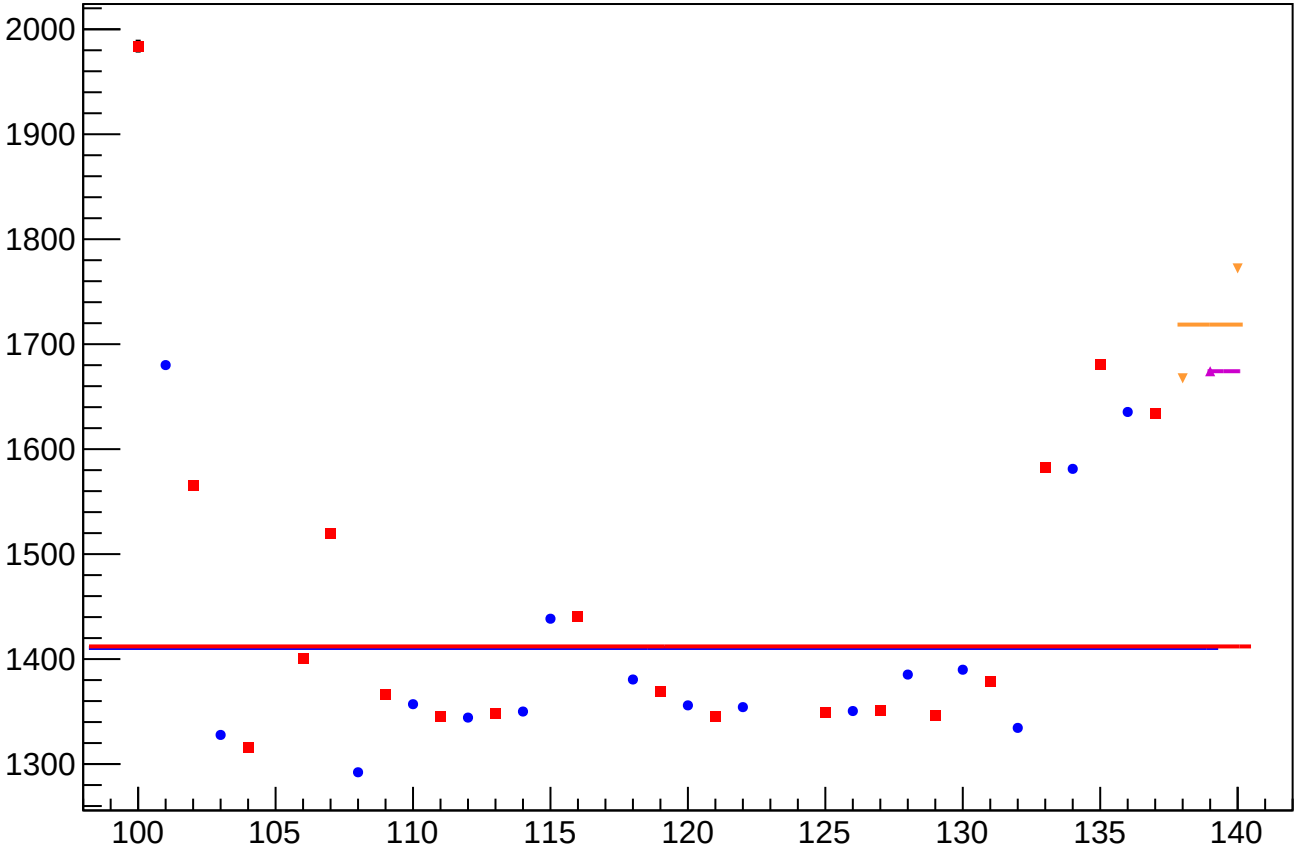
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 1850.611+/-506.373 χ^2/NDF:6.7/16

Out: 2017.692+/-492.355 χ^2/NDF:14.7/19

All: 1936.496+/-352.999 χ^2/NDF: 21.4/36

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1718.664+/-0.954 χ^2/NDF:3008.5/1

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1674.241+/-1.288 χ^2/NDF:0.0/0

Left: 1702.928+/-0.767 χ^2/NDF: 3776.1/2

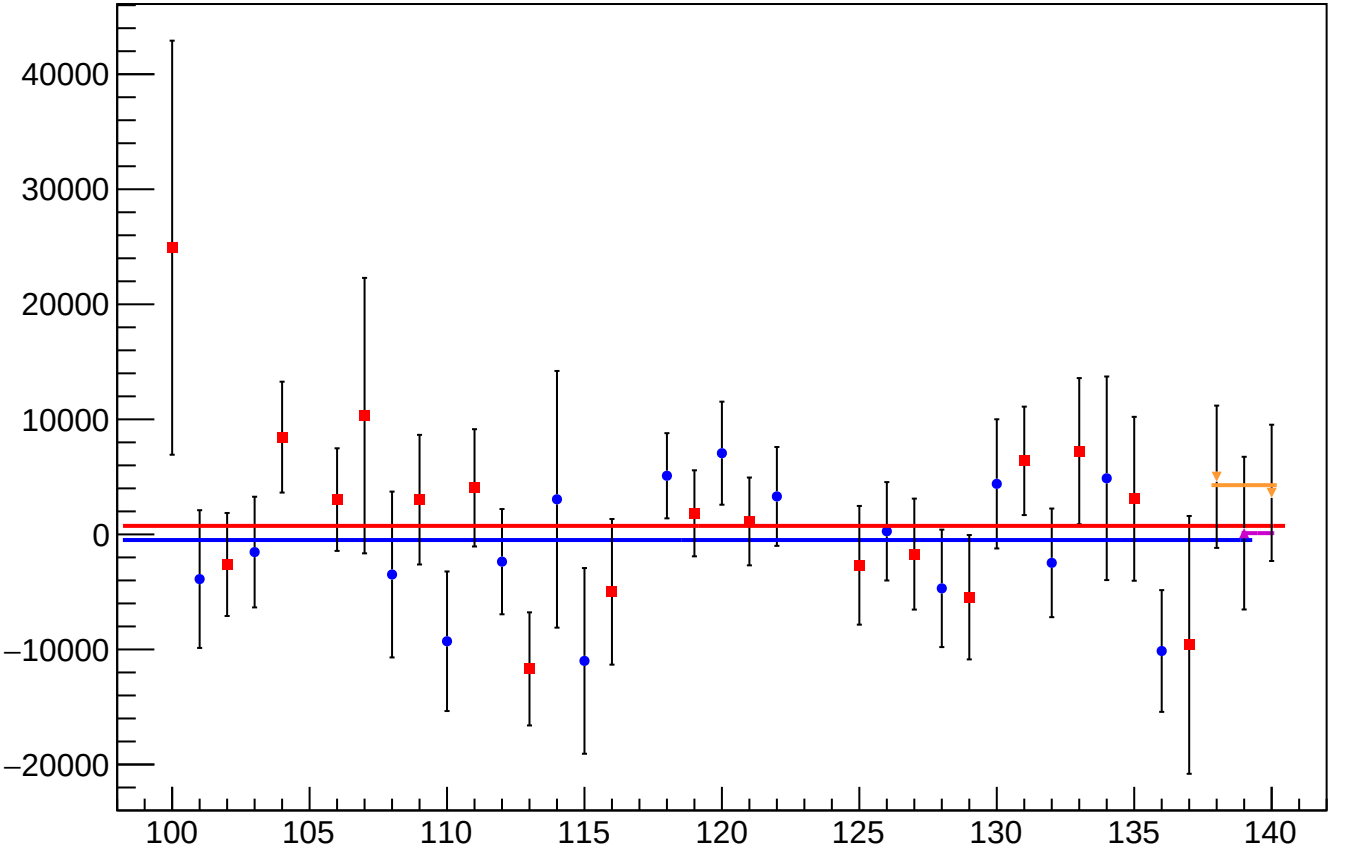
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1430.955+/-0.358 χ^2/NDF:137785.2/16

Out: 1452.670+/-0.347 χ^2/NDF:182273.5/19

All: 1442.142+/-0.249 χ^2/NDF: 321953.4/36

asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 4281.053+/-4276.917 χ^2/NDF:0.0/1

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 109.587+/-6636.035 χ^2/NDF:0.0/0

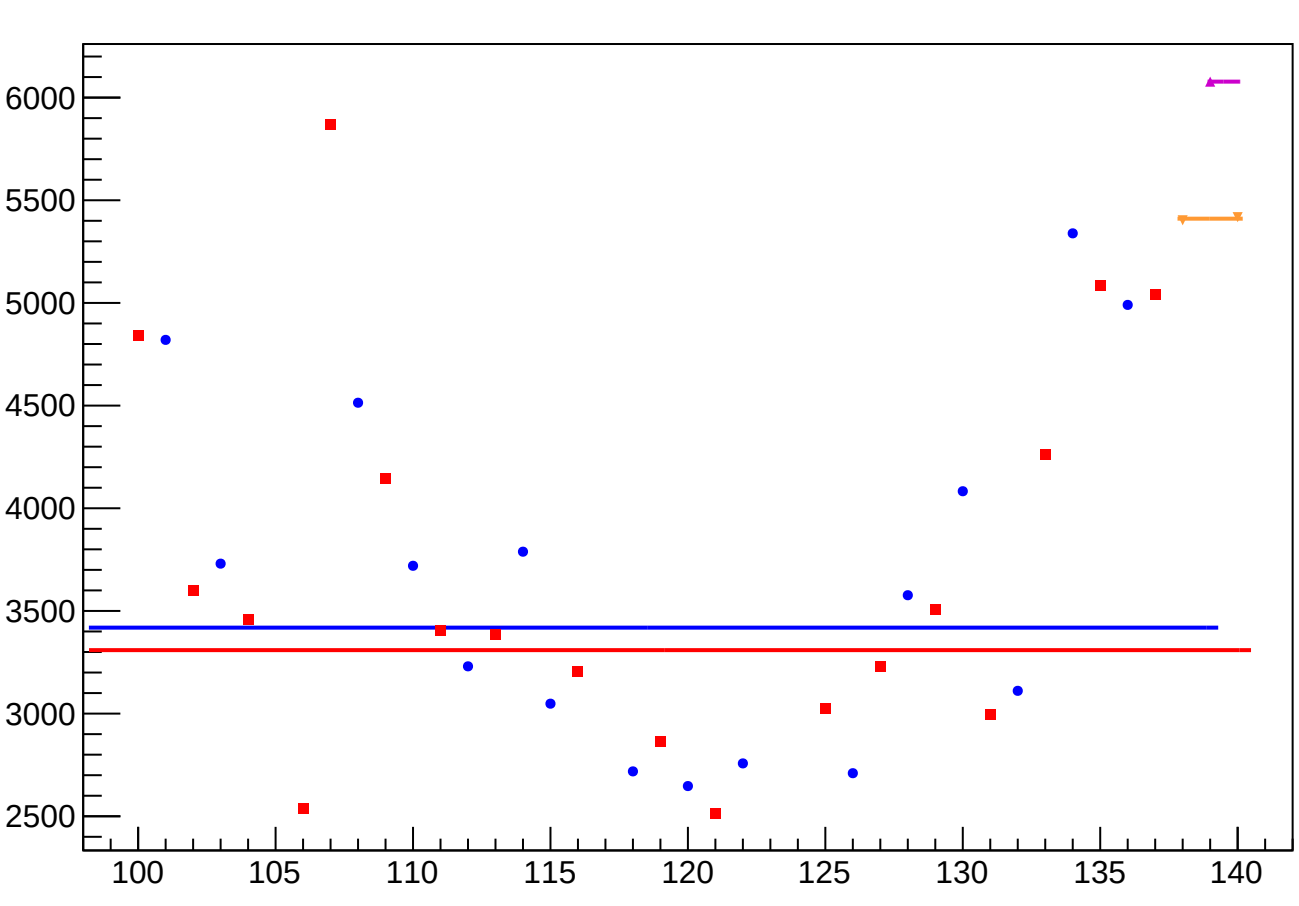
Left: 3056.830+/-3594.963 χ^2/NDF: 0.3/2

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -466.978+/-1283.962 χ^2/NDF:15.8/16

Out: 1018.374+/-1197.991 χ^2/NDF:19.8/19

All: 327.087+/-875.925 χ^2/NDF: 36.4/36



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5410.346+/-3.024 χ^2/NDF:6.3/1

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 6077.738+/-4.692 χ^2/NDF:0.0/0

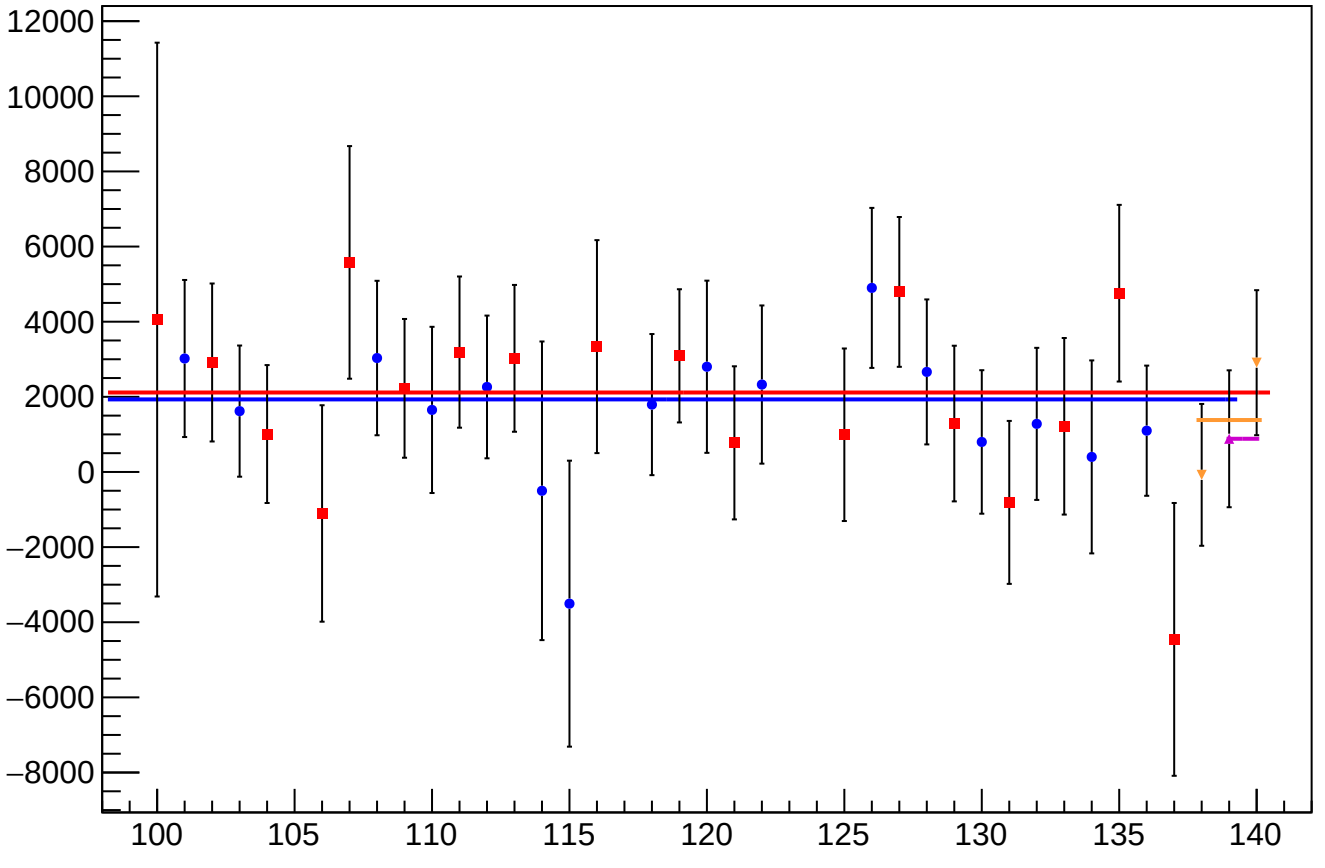
Left: 5606.209+/-2.542 χ^2/NDF: 14298.6/2

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3518.244+/-0.908 χ^2/NDF:1030309.7/16

Out: 3473.974+/-0.847 χ^2/NDF:1016815.2/19

All: 3494.577+/-0.619 χ^2/NDF: 2048396.1/36



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1382.653+/-1349.556 χ^2/NDF:1.2/1

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 883.612+/-1822.185 χ^2/NDF:0.0/0

Left: 1205.880+/-1084.505 χ^2/NDF: 1.3/2

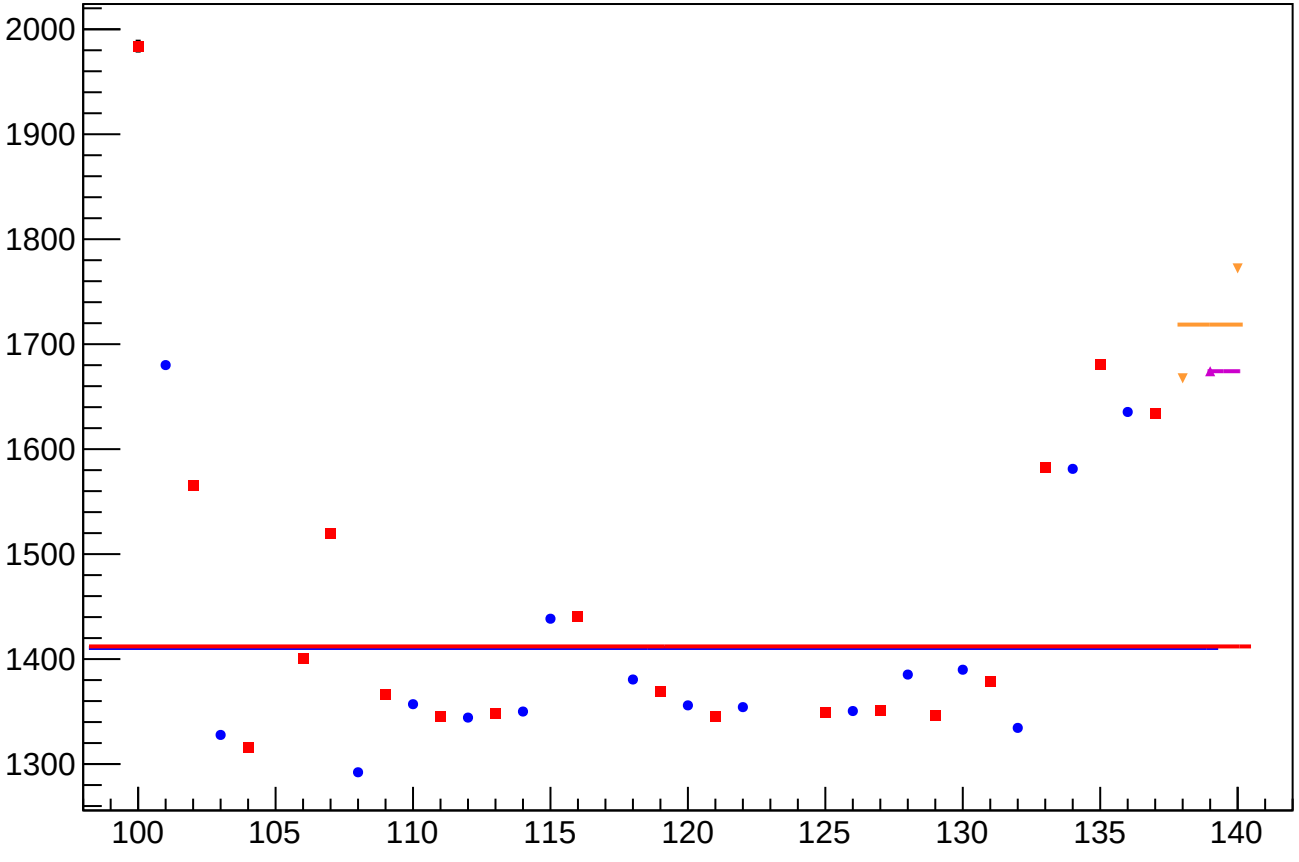
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 1850.612+/-506.373 χ^2/NDF:6.7/16

Out: 2017.694+/-492.355 χ^2/NDF:14.7/19

All: 1936.498+/-352.999 χ^2/NDF: 21.4/36

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1718.665+/-0.954 χ^2/NDF:3008.6/1

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1674.242+/-1.288 χ^2/NDF:0.0/0

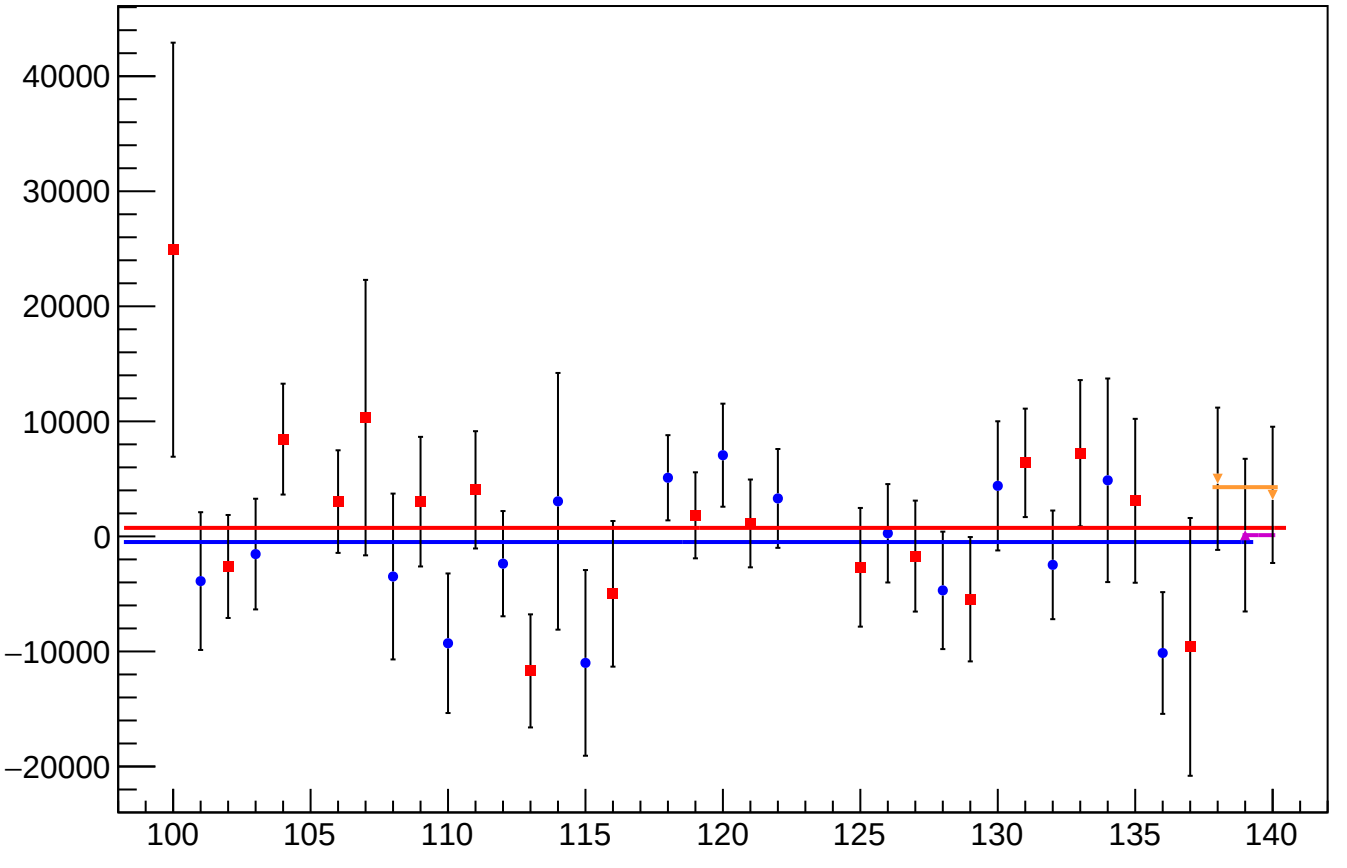
Left: 1702.929+/-0.767 χ^2/NDF: 3776.1/2

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1430.956+/-0.358 χ^2/NDF:137785.5/16

Out: 1452.670+/-0.347 χ^2/NDF:182274.1/19

All: 1442.142+/-0.249 χ^2/NDF: 321954.3/36



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 4281.063+/-4276.927 χ^2/NDF:0.0/1

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 109.597+/-6636.057 χ^2/NDF:0.0/0

Left: 3056.842+/-3594.973 χ^2/NDF: 0.3/2

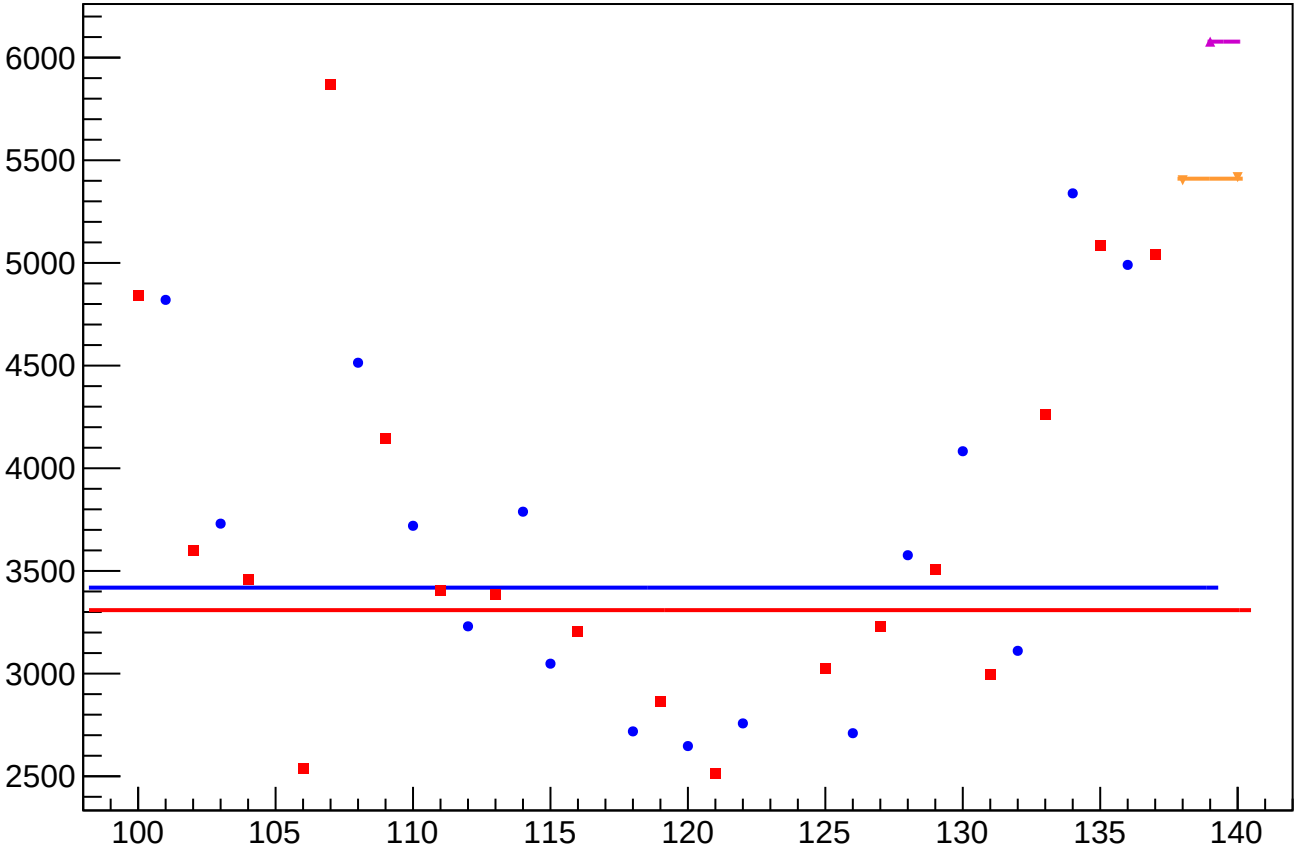
Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -466.971+/-1283.958 χ^2/NDF:15.8/16

Out: 1018.375+/-1197.988 χ^2/NDF:19.8/19

All: 327.090+/-875.922 χ^2/NDF: 36.4/36

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5410.359+/-3.024 χ^2/NDF:6.3/1

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 6077.758+/-4.692 χ^2/NDF:0.0/0

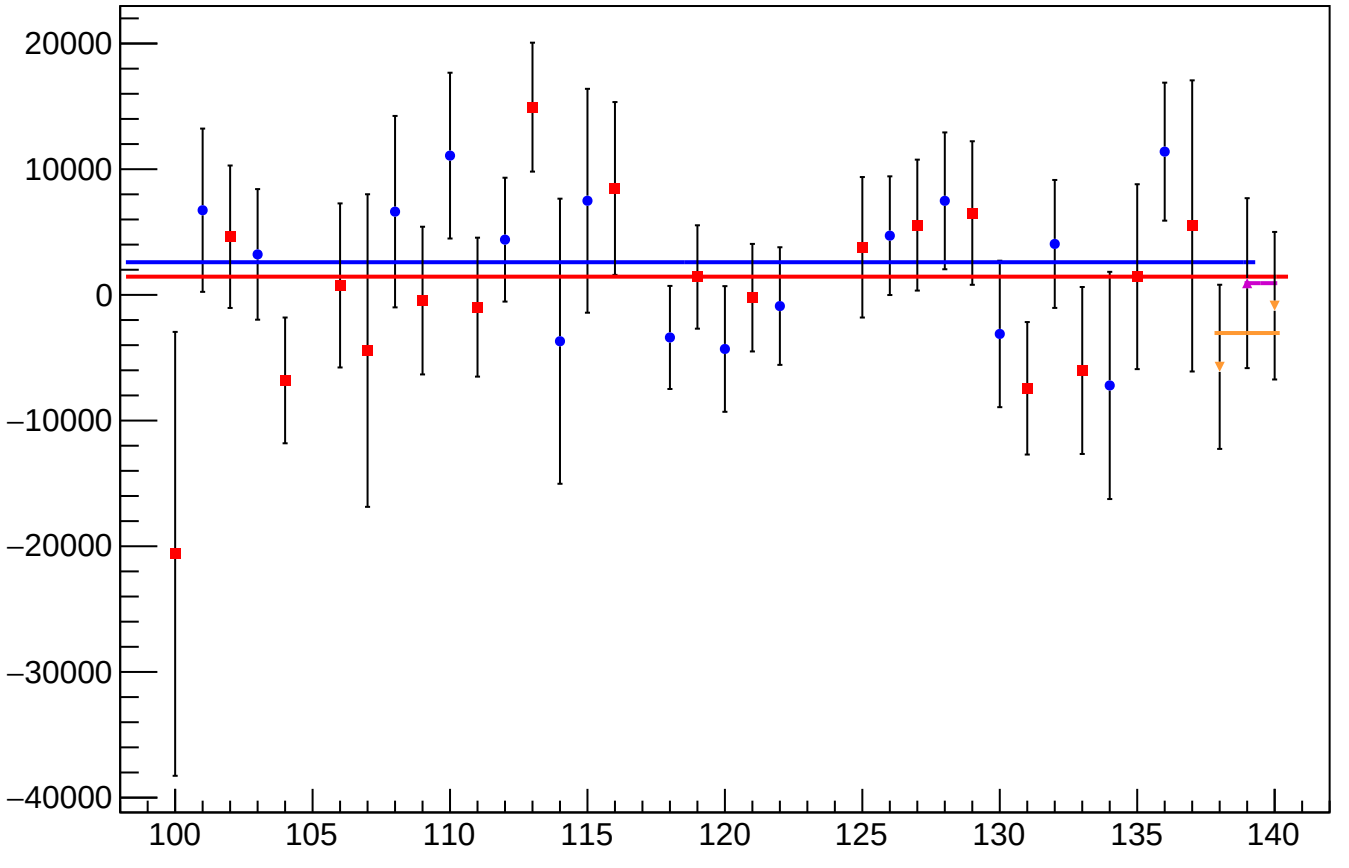
Left: 5606.224+/-2.542 χ^2/NDF: 14298.8/2

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 3518.233+/-0.908 χ^2/NDF:1030323.8/16

Out: 3473.964+/-0.847 χ^2/NDF:1016827.1/19

All: 3494.567+/-0.619 χ^2/NDF: 2048421.9/36



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -3033.989+/-4365.549 χ^2/NDF:0.3/1

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 933.331+/-6760.931 χ^2/NDF:0.0/0

Left: -1866.607+/-3667.452 χ^2/NDF: 0.5/2

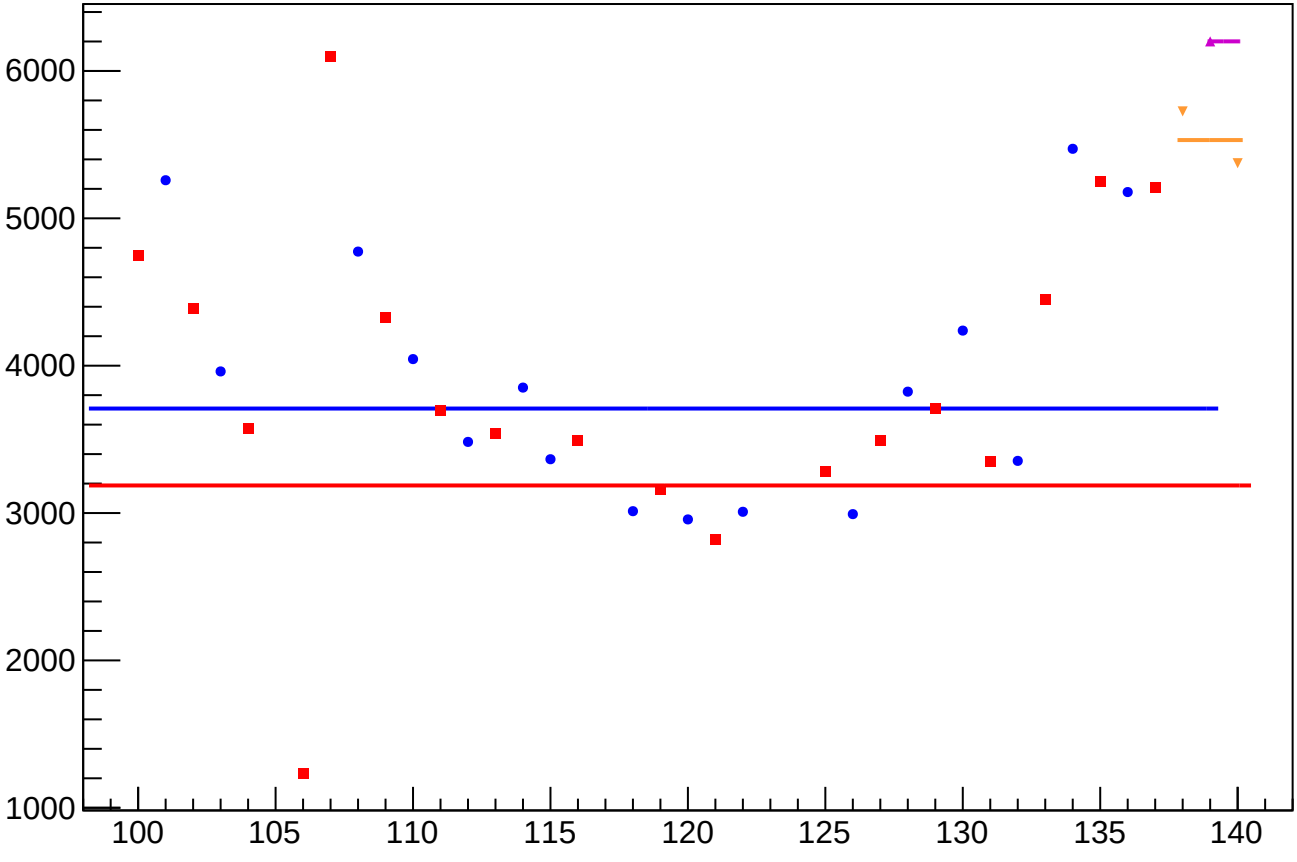
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2529.744+/-1384.522 χ^2/NDF:13.5/16

Out: 1041.504+/-1318.265 χ^2/NDF:20.3/19

All: 1749.163+/-954.718 χ^2/NDF: 34.4/36

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5531.087+/-3.087 χ^2/NDF:3208.2/1

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 6200.804+/-4.781 χ^2/NDF:0.0/0

Left: 5728.151+/-2.593 χ^2/NDF: 17058.3/2

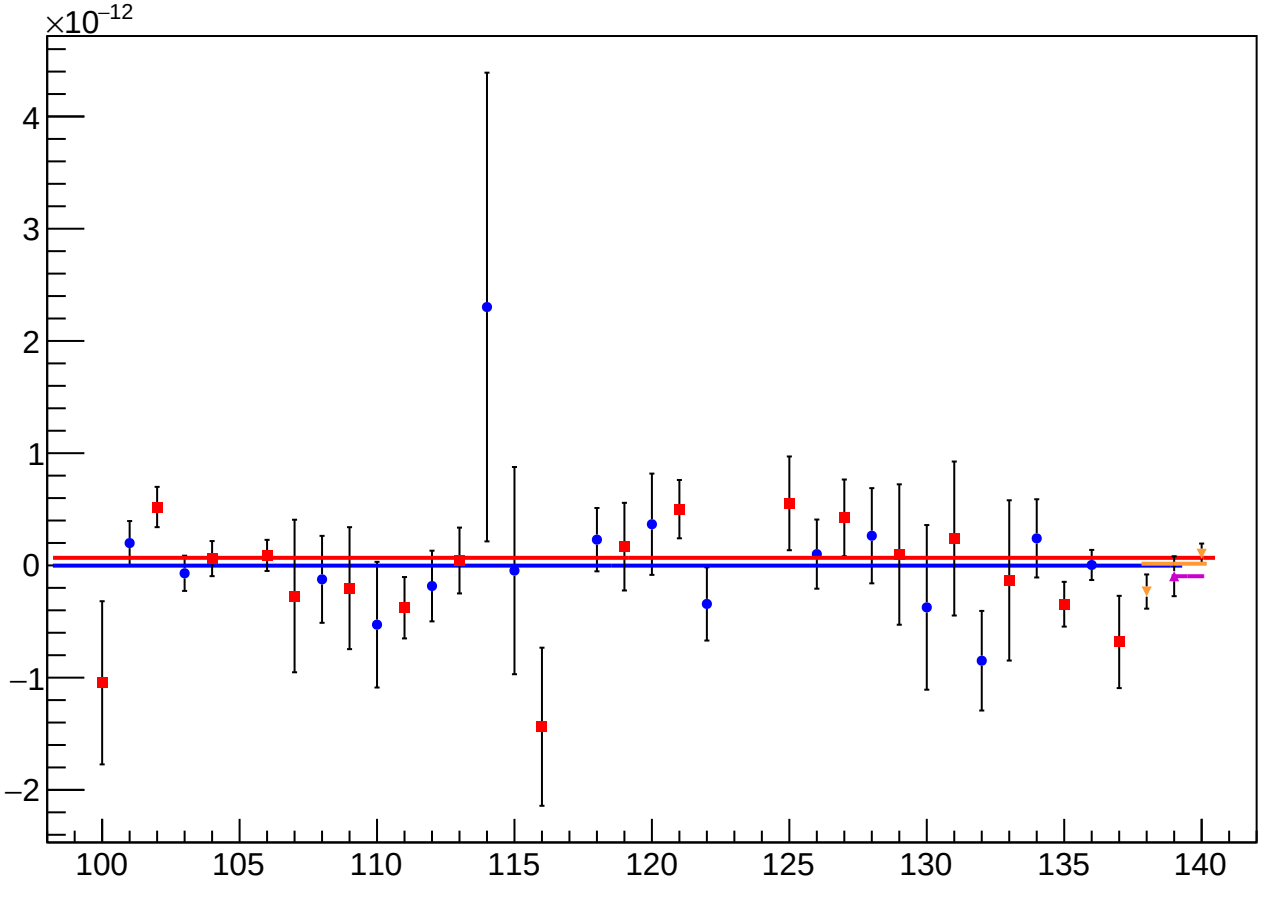
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 3813.644+/-0.979 χ^2/NDF:870884.2/16

Out: 3369.157+/-0.860 χ^2/NDF:2145806.6/19

All: 3562.783+/-0.646 χ^2/NDF: 3133029.4/36

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

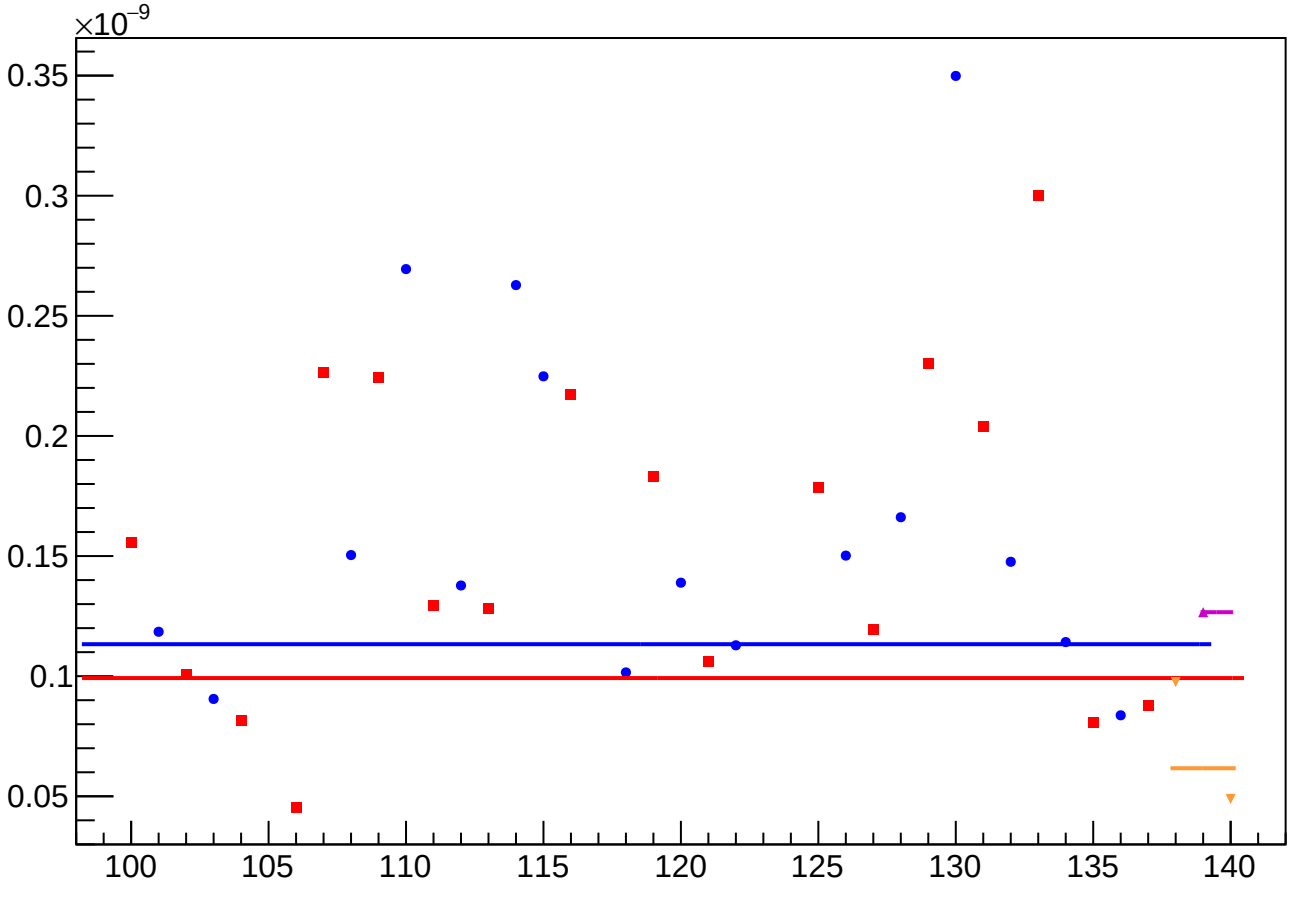
Left: -0.000+/-0.000 χ^2/NDF: 3.9/2

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:11.3/16

Out: 0.000+/-0.000 χ^2/NDF:33.4/19

All: 0.000+/-0.000 χ^2/NDF: 45.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:150265.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 373759.4/2

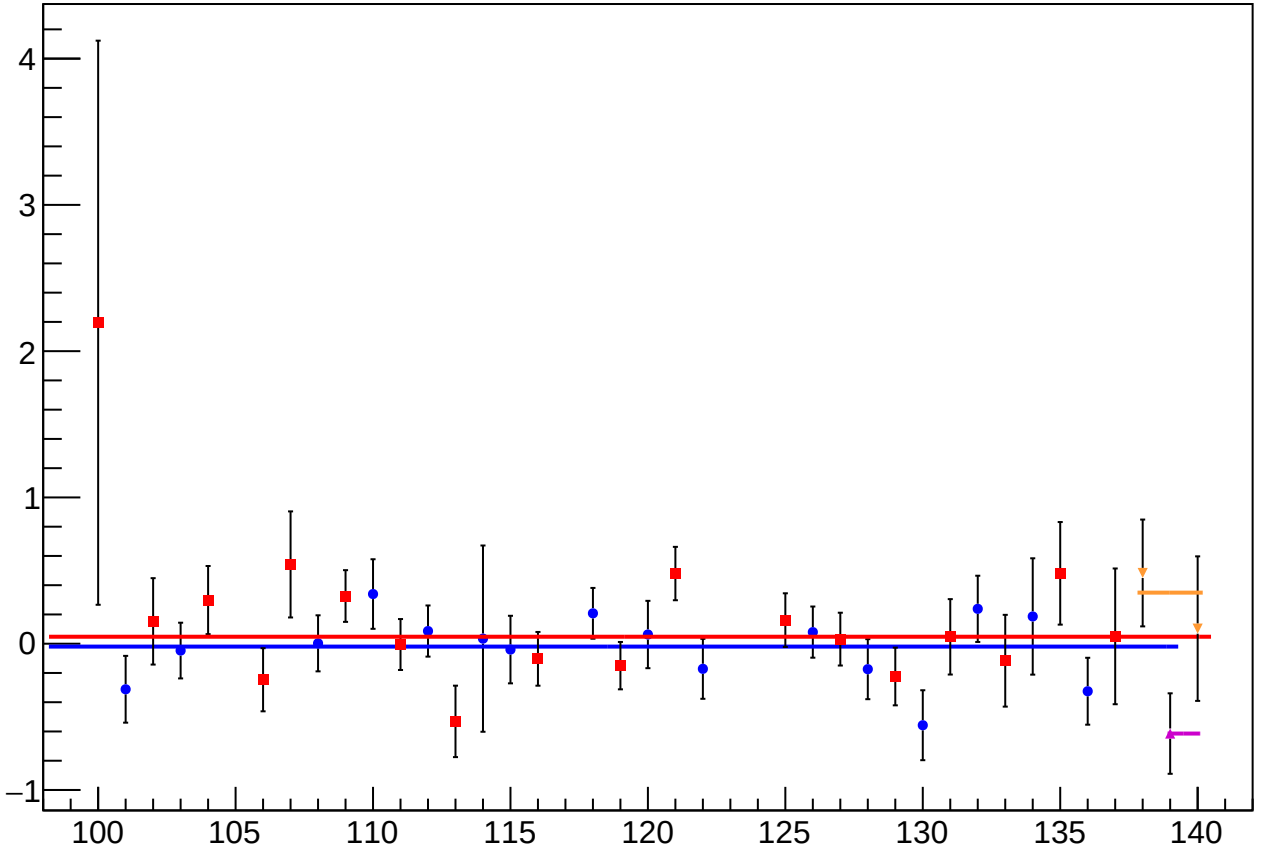
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:665459.0/16

Out: 0.000+/-0.000 χ^2/NDF:1521585.1/19

All: 0.000+/-0.000 χ^2/NDF: 2477026.4/36

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.349+/-0.294 χ^2/NDF:0.4/1

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.614+/-0.275 χ^2/NDF:0.0/0

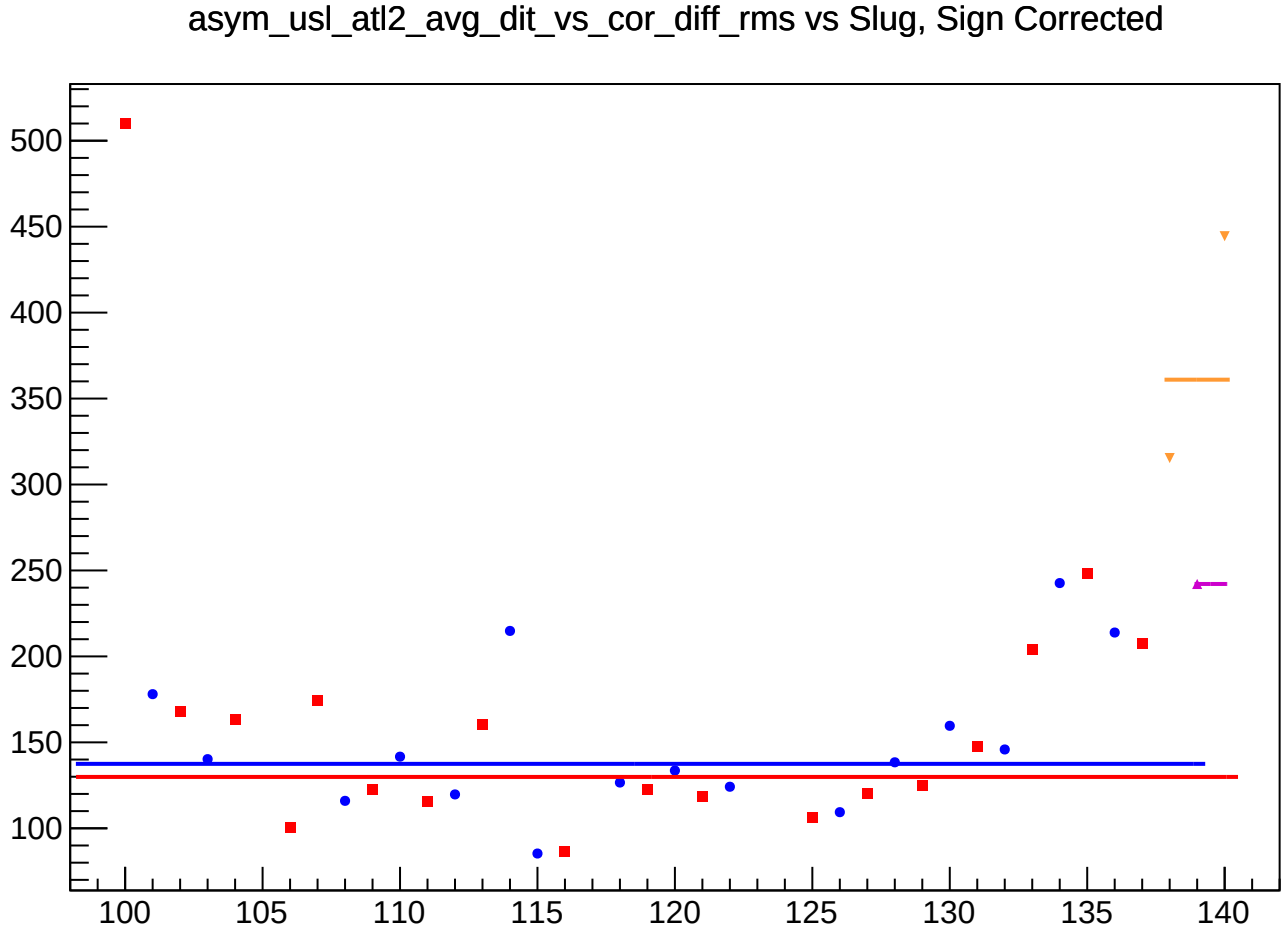
Left: -0.164+/-0.201 χ^2/NDF: 6.1/2

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.042+/-0.053 χ^2/NDF:20.5/16

Out: 0.057+/-0.052 χ^2/NDF:27.7/19

All: 0.009+/-0.037 χ^2/NDF: 50.0/36



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 360.986+/-0.208 χ^2/NDF:88237.4/1

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 242.137+/-0.195 χ^2/NDF:0.0/0

Left: 297.690+/-0.142 χ^2/NDF: 262706.0/2

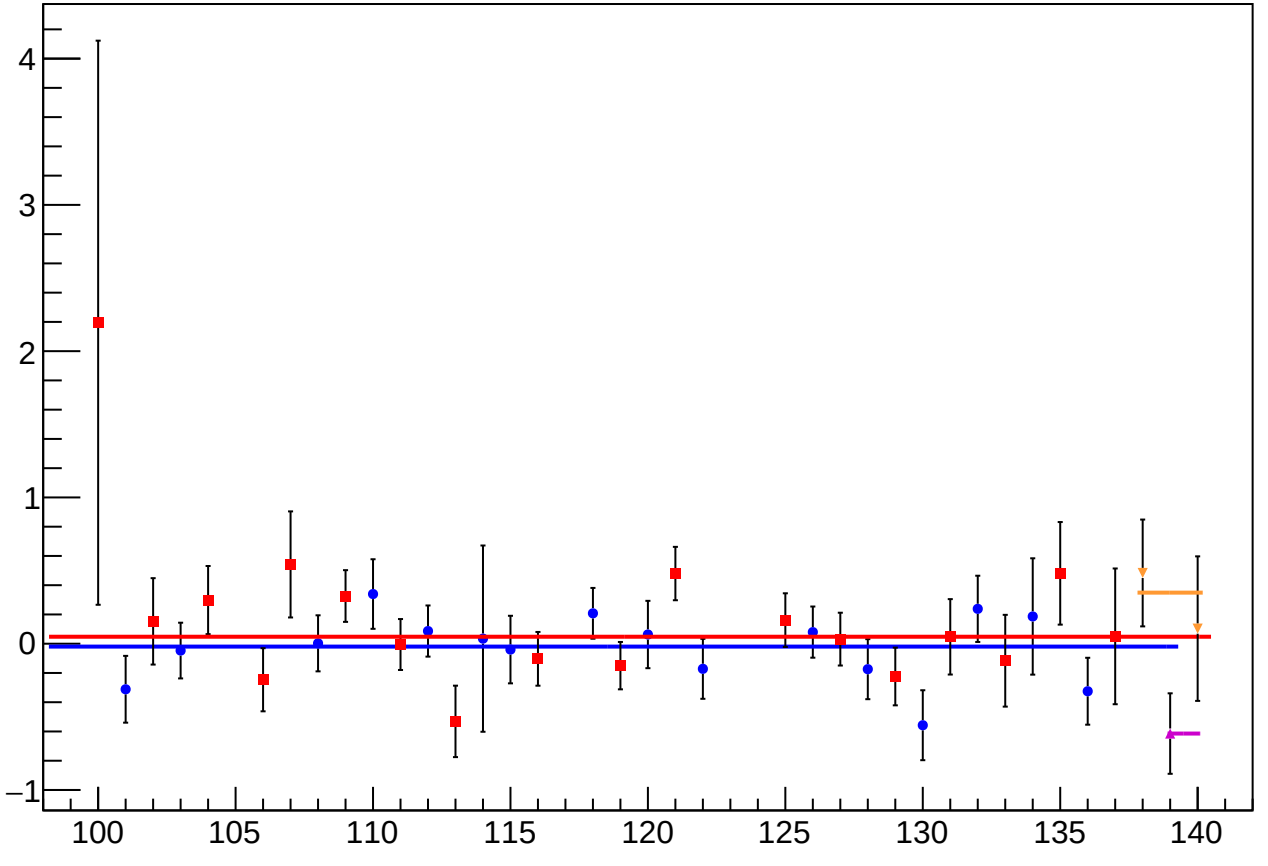
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 141.403+/-0.038 χ^2/NDF:971503.6/16

Out: 137.043+/-0.037 χ^2/NDF:2122488.2/19

All: 139.160+/-0.026 χ^2/NDF: 3100904.8/36

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.349+/-0.294 χ^2/NDF:0.4/1

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.614+/-0.275 χ^2/NDF:0.0/0

Left: -0.164+/-0.201 χ^2/NDF: 6.1/2

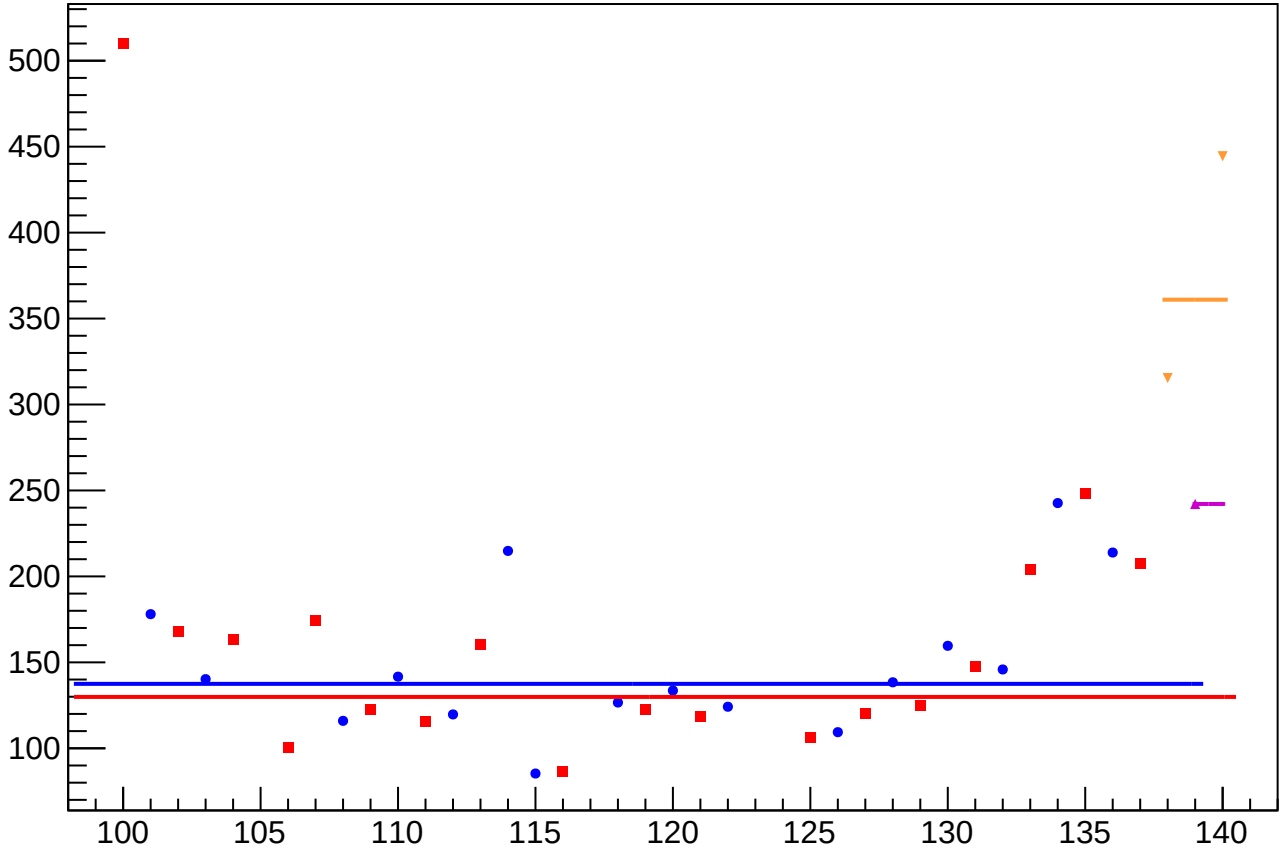
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.042+/-0.053 χ^2/NDF:20.5/16

Out: 0.057+/-0.052 χ^2/NDF:27.7/19

All: 0.009+/-0.037 χ^2/NDF: 50.0/36

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 360.986+/-0.208 χ^2/NDF:88237.4/1

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 242.137+/-0.195 χ^2/NDF:0.0/0

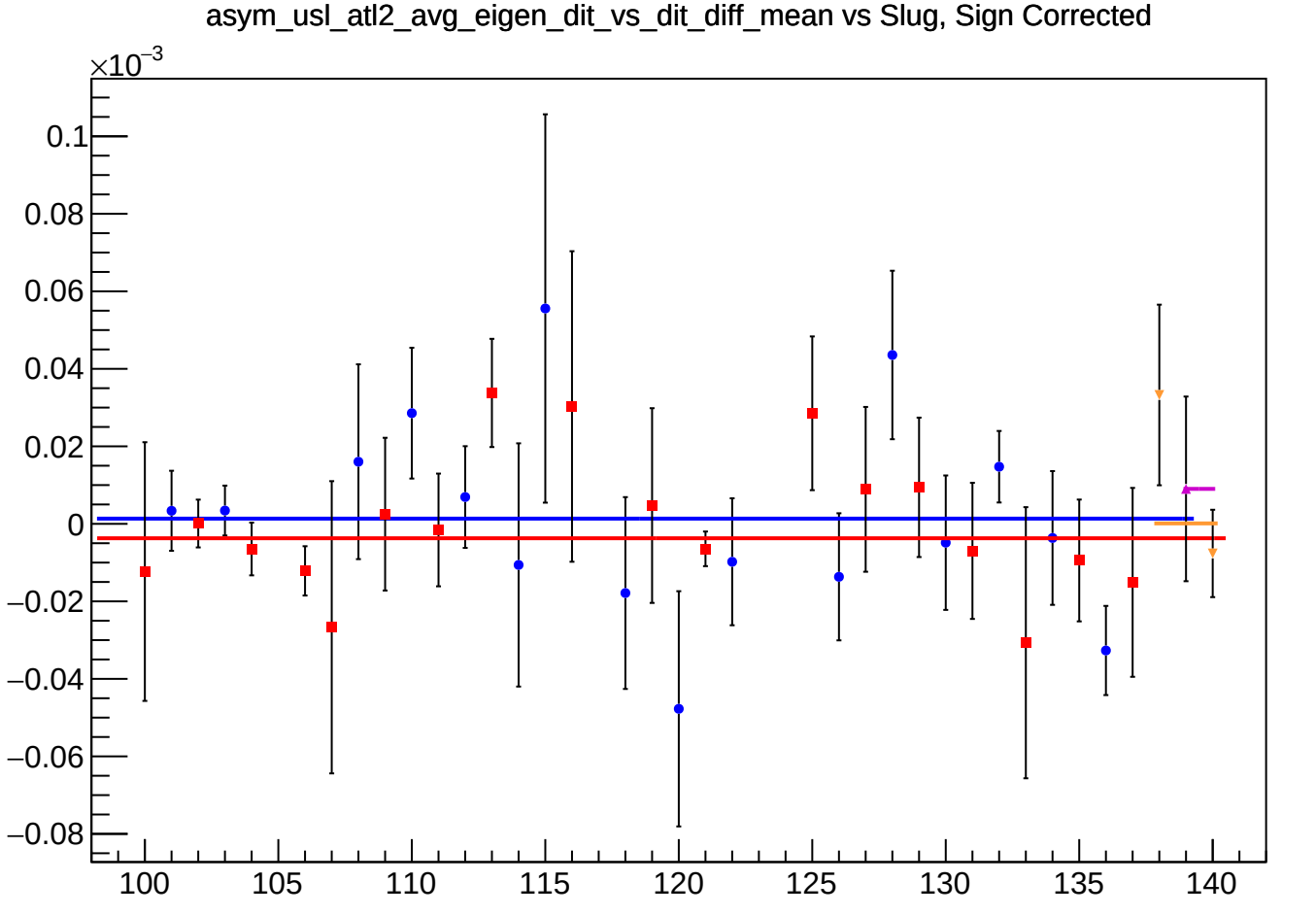
Left: 297.690+/-0.142 χ^2/NDF: 262706.0/2

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 141.403+/-0.038 χ^2/NDF:971503.6/16

Out: 137.043+/-0.037 χ^2/NDF:2122488.2/19

All: 139.160+/-0.026 χ^2/NDF: 3100904.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 2.6/2

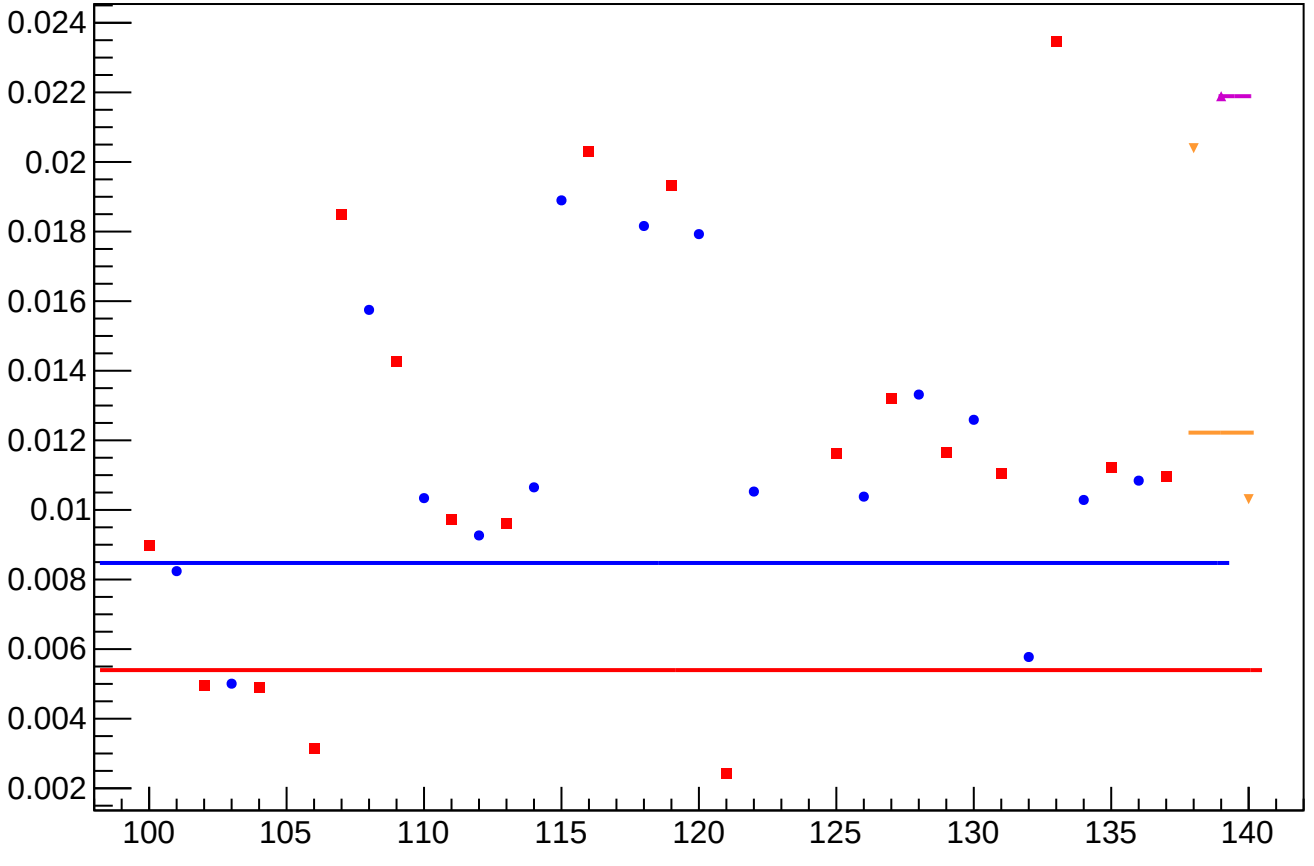
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:24.0/16

Out: -0.000+/-0.000 χ^2/NDF:18.4/19

All: -0.000+/-0.000 χ^2/NDF: 43.9/36

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: 0.012+/-0.000 χ^2/NDF:303754.5/1

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.022+/-0.000 χ^2/NDF:0.0/0

Left: 0.014+/-0.000 χ^2/NDF: 582618.5/2

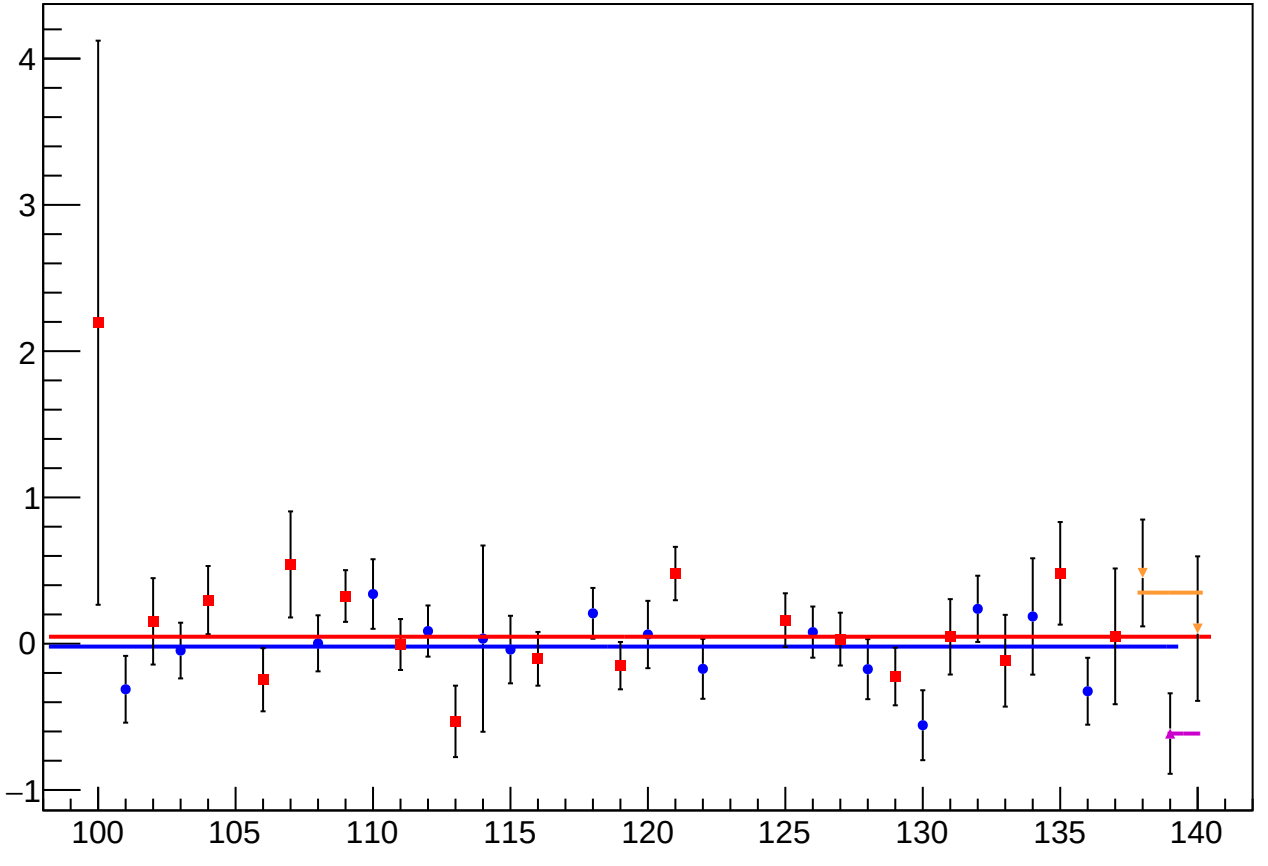
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.009+/-0.000 χ^2/NDF:2547123.8/16

Out: 0.006+/-0.000 χ^2/NDF:6064901.3/19

All: 0.007+/-0.000 χ^2/NDF: 9601552.3/36

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.349+/-0.294 χ^2/NDF:0.4/1

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.614+/-0.275 χ^2/NDF:0.0/0

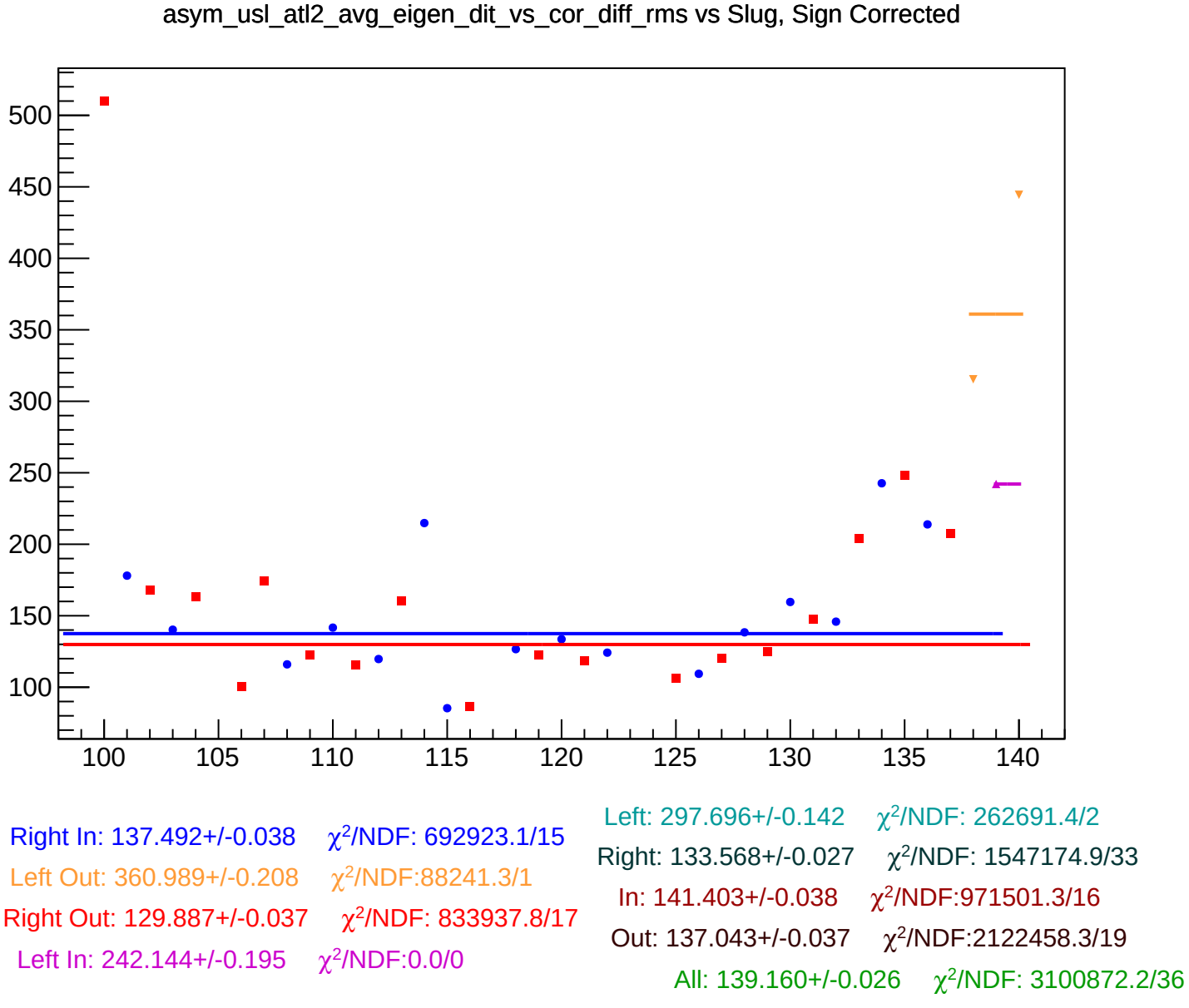
Left: -0.164+/-0.201 χ^2/NDF: 6.1/2

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

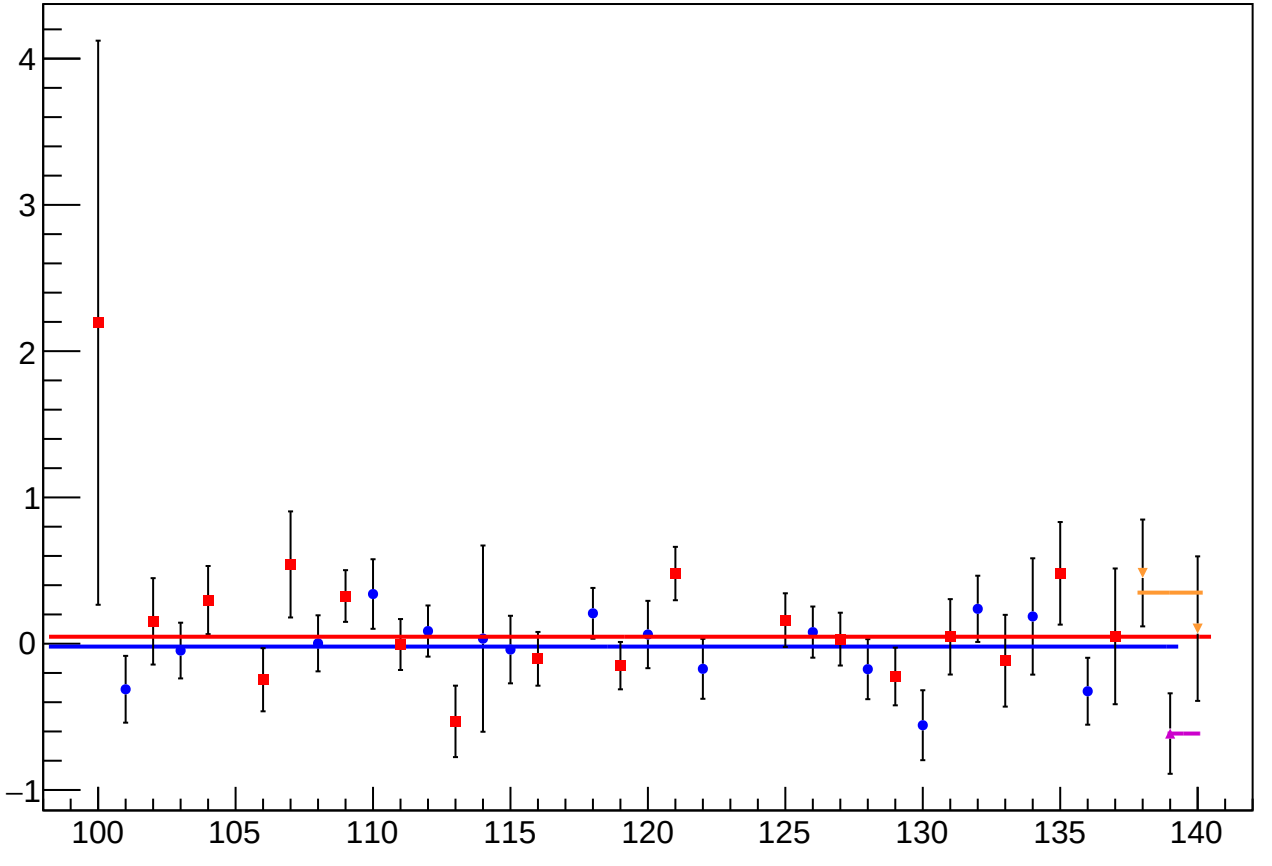
In: -0.042+/-0.053 χ^2/NDF:20.5/16

Out: 0.057+/-0.052 χ^2/NDF:27.7/19

All: 0.009+/-0.037 χ^2/NDF: 50.0/36


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
105
110
115
120
125
130
135
140
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 360.989+/-0.208 χ²/NDF:88241.3/1
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 242.144+/-0.195 χ²/NDF:0.0/0
Left: 297.696+/-0.142 χ²/NDF: 262691.4/2
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 141.403+/-0.038 χ²/NDF:971501.3/16
Out: 137.043+/-0.037 χ²/NDF:2122458.3/19
All: 139.160+/-0.026 χ²/NDF: 3100872.2/36

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.349+/-0.294 χ^2/NDF:0.4/1

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.614+/-0.275 χ^2/NDF:0.0/0

Left: -0.164+/-0.201 χ^2/NDF: 6.1/2

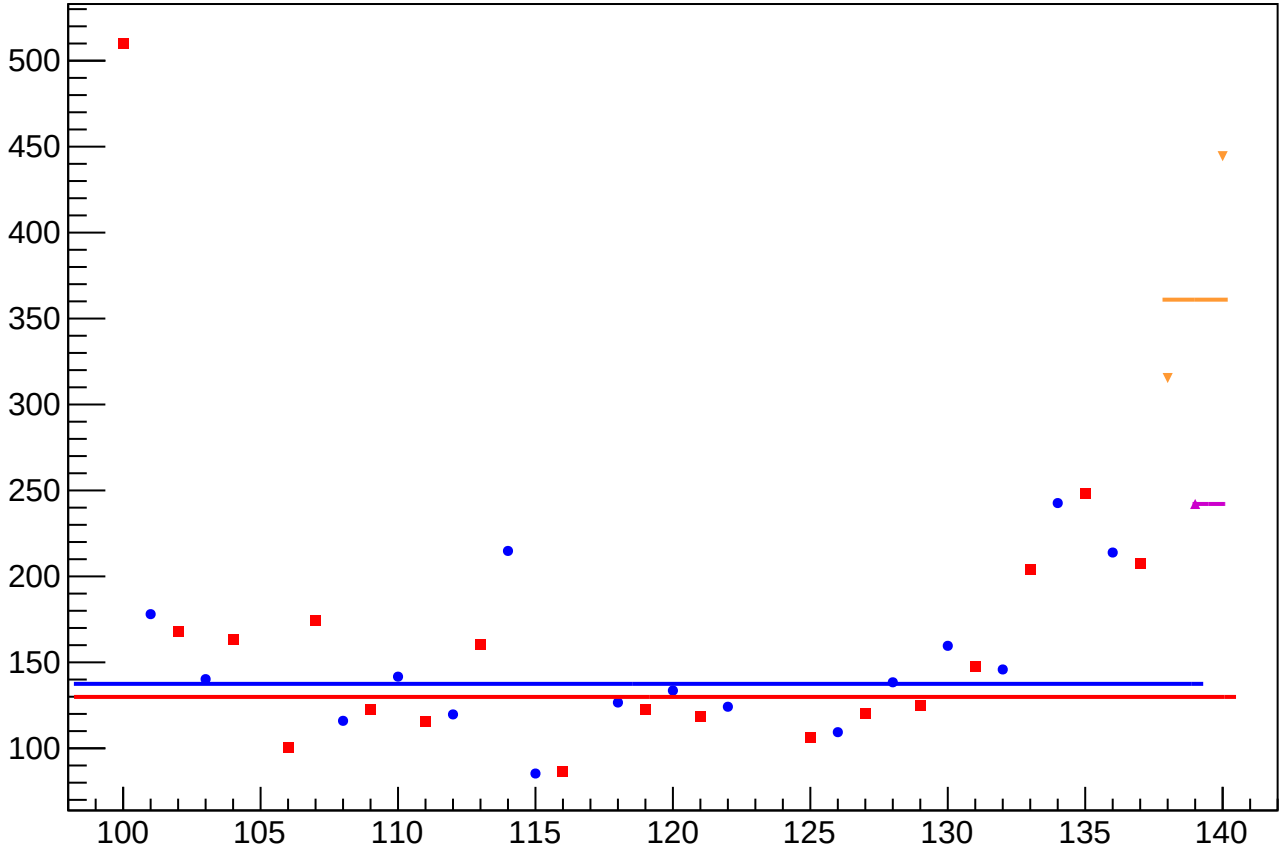
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.042+/-0.053 χ^2/NDF:20.5/16

Out: 0.057+/-0.052 χ^2/NDF:27.7/19

All: 0.009+/-0.037 χ^2/NDF: 50.0/36

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 360.989+/-0.208 χ^2/NDF:88241.3/1

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 242.144+/-0.195 χ^2/NDF:0.0/0

Left: 297.696+/-0.142 χ^2/NDF: 262691.4/2

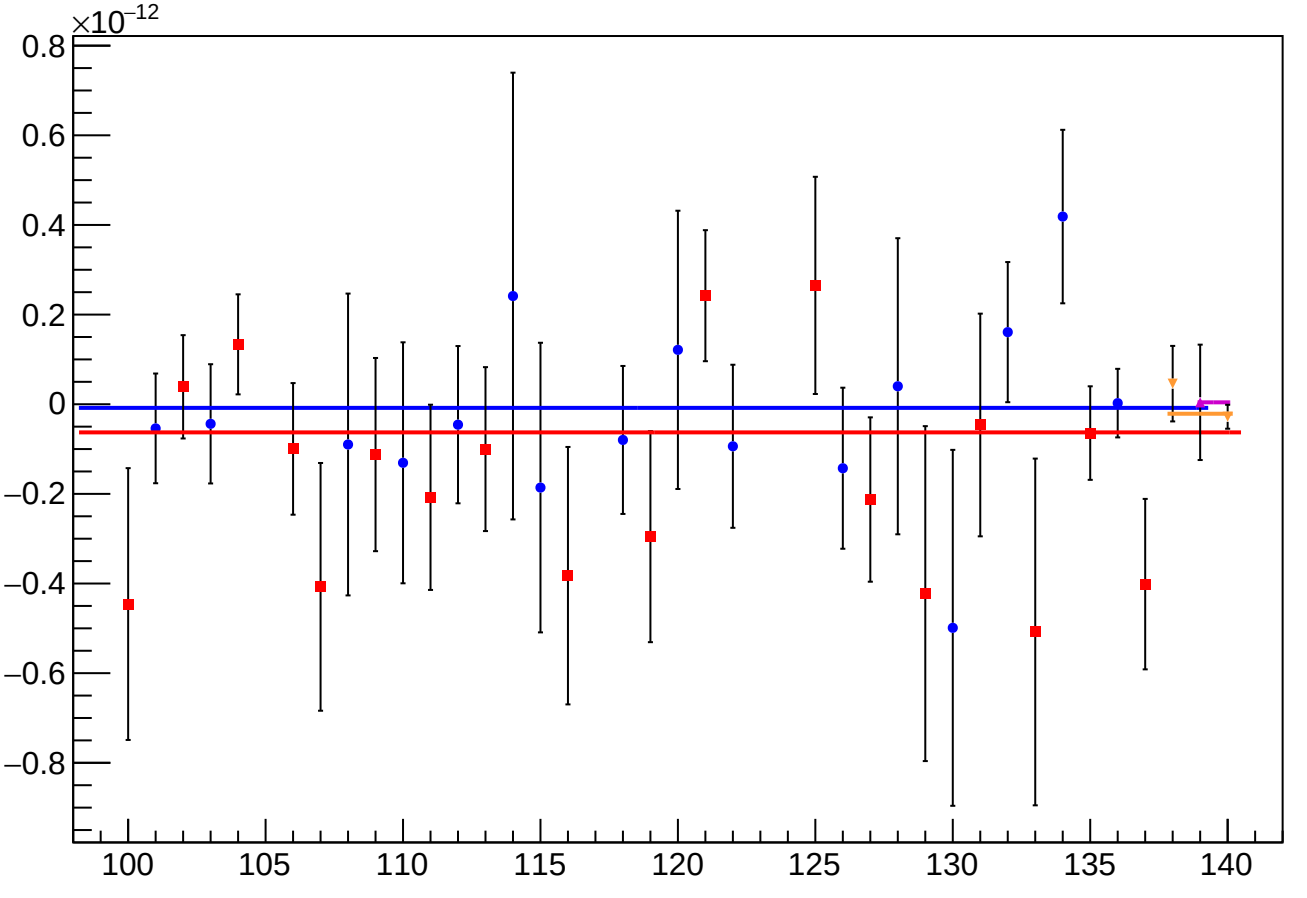
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 141.403+/-0.038 χ^2/NDF:971501.3/16

Out: 137.043+/-0.037 χ^2/NDF:2122458.3/19

All: 139.160+/-0.026 χ^2/NDF: 3100872.2/36

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

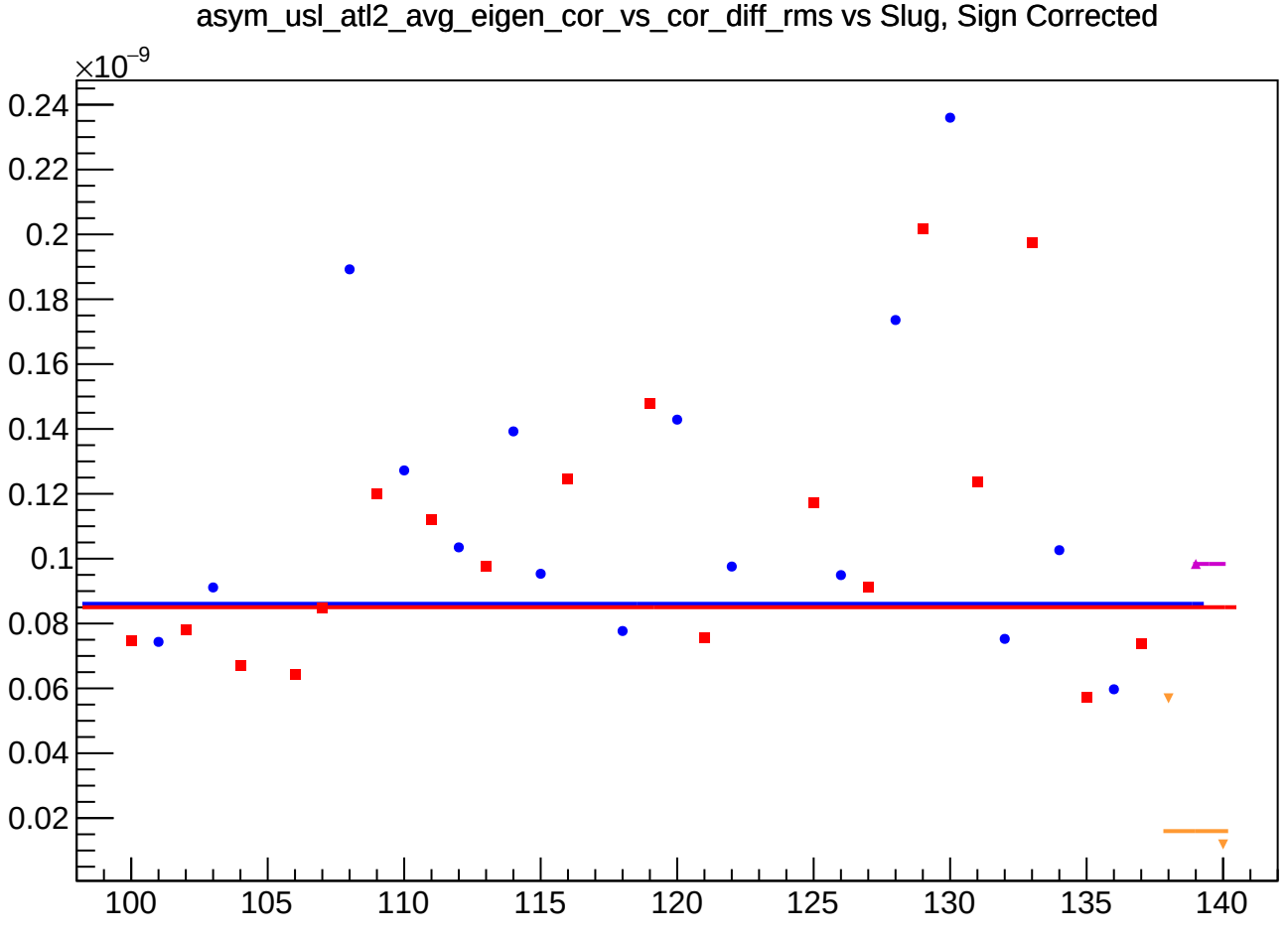
Left: -0.000+/-0.000 χ^2/NDF: 0.7/2

Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: -0.000+/-0.000 χ^2/NDF:9.8/16

Out: -0.000+/-0.000 χ^2/NDF:23.6/19

All: -0.000+/-0.000 χ^2/NDF: 33.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:519731.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

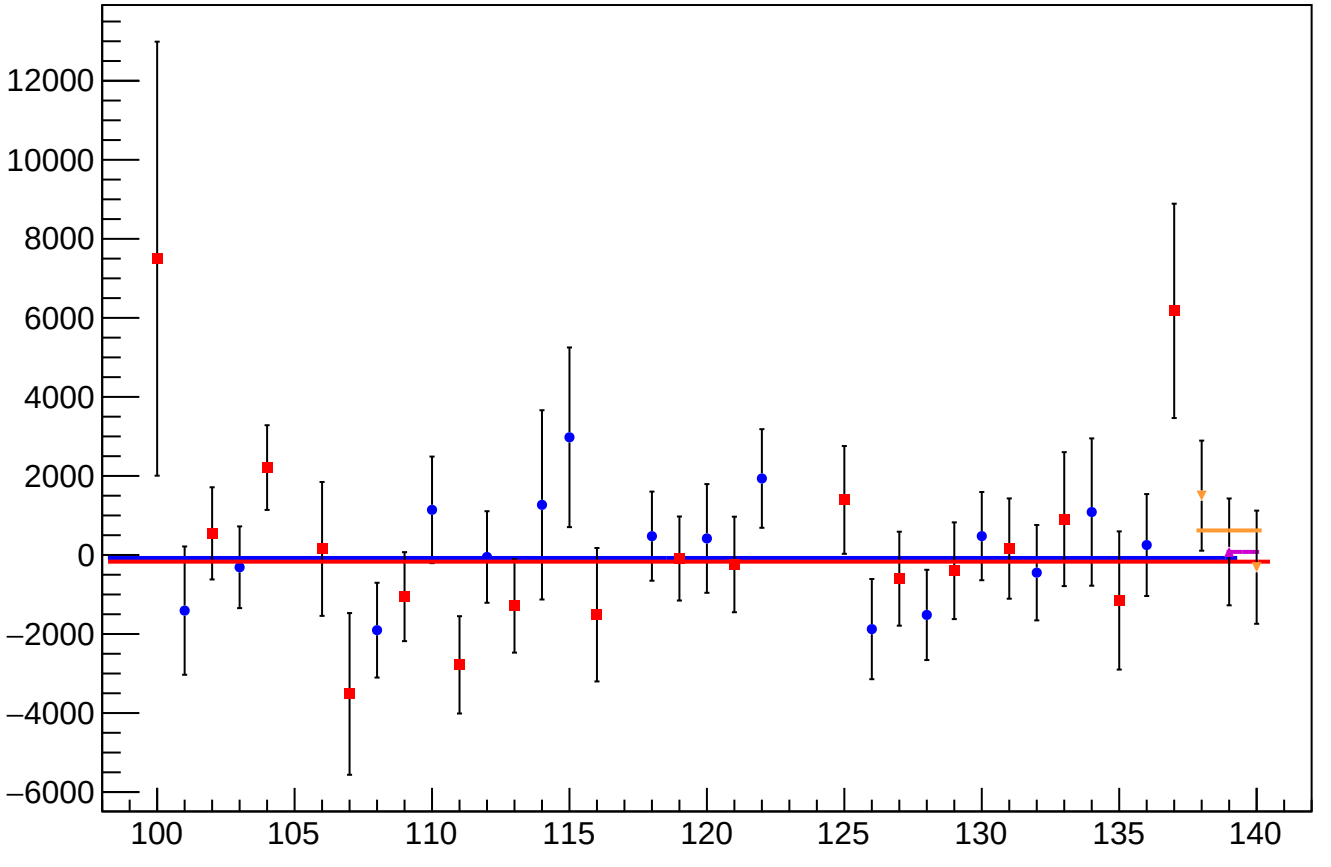
Left: 0.000+/-0.000 χ^2/NDF: 1308500.9/2

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:1088547.9/16

Out: 0.000+/-0.000 χ^2/NDF:5493882.8/19

All: 0.000+/-0.000 χ^2/NDF: 9219622.6/36



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 620.759+/-998.400 χ^2/NDF:0.8/1

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: 77.622+/-1351.923 χ^2/NDF:0.0/0

Left: 429.079+/-803.130 χ^2/NDF: 0.9/2

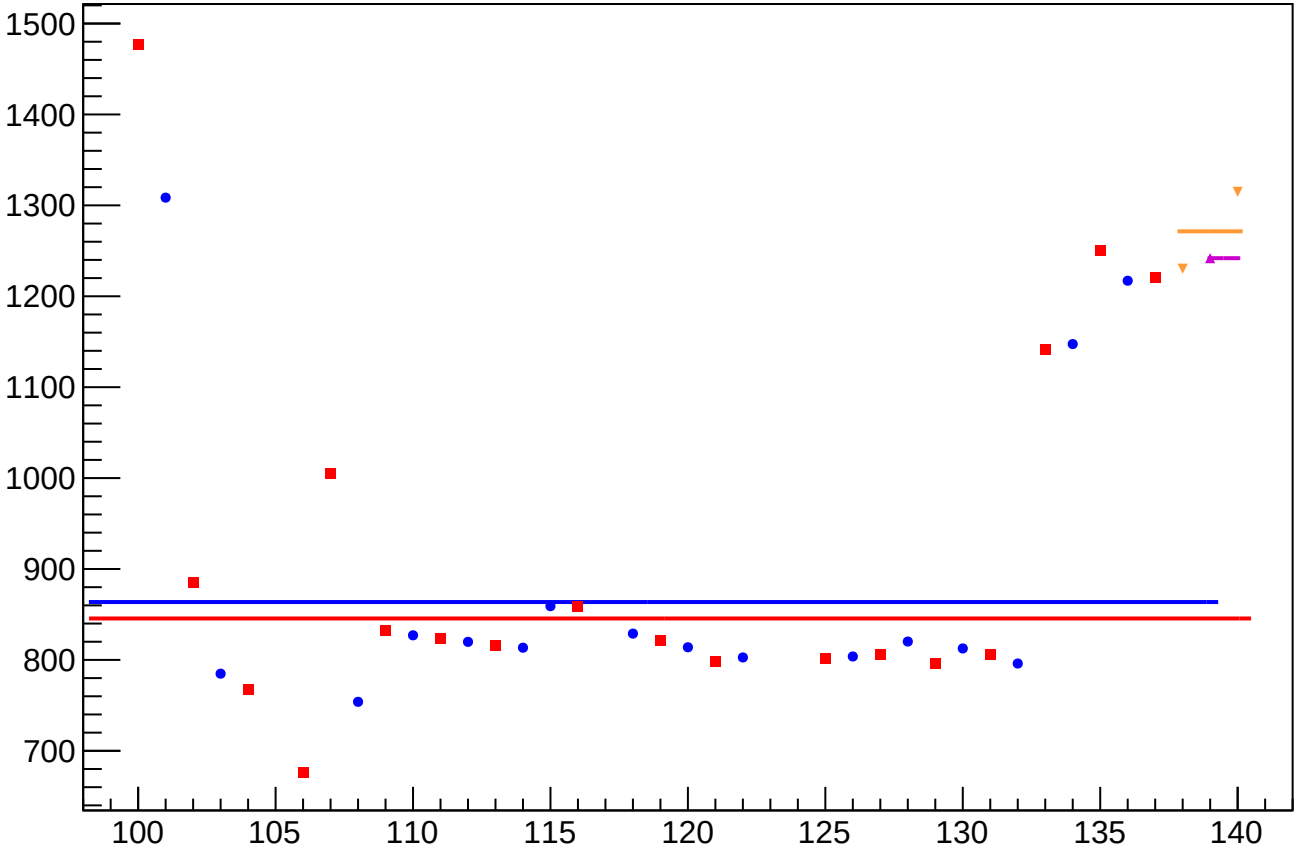
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -67.494+/-317.124 χ^2/NDF:13.4/16

Out: -94.977+/-306.307 χ^2/NDF:25.8/19

All: -81.712+/-220.317 χ^2/NDF: 39.1/36

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1271.438+/-0.706 χ^2/NDF:3583.2/1

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1241.912+/-0.956 χ^2/NDF:0.0/0

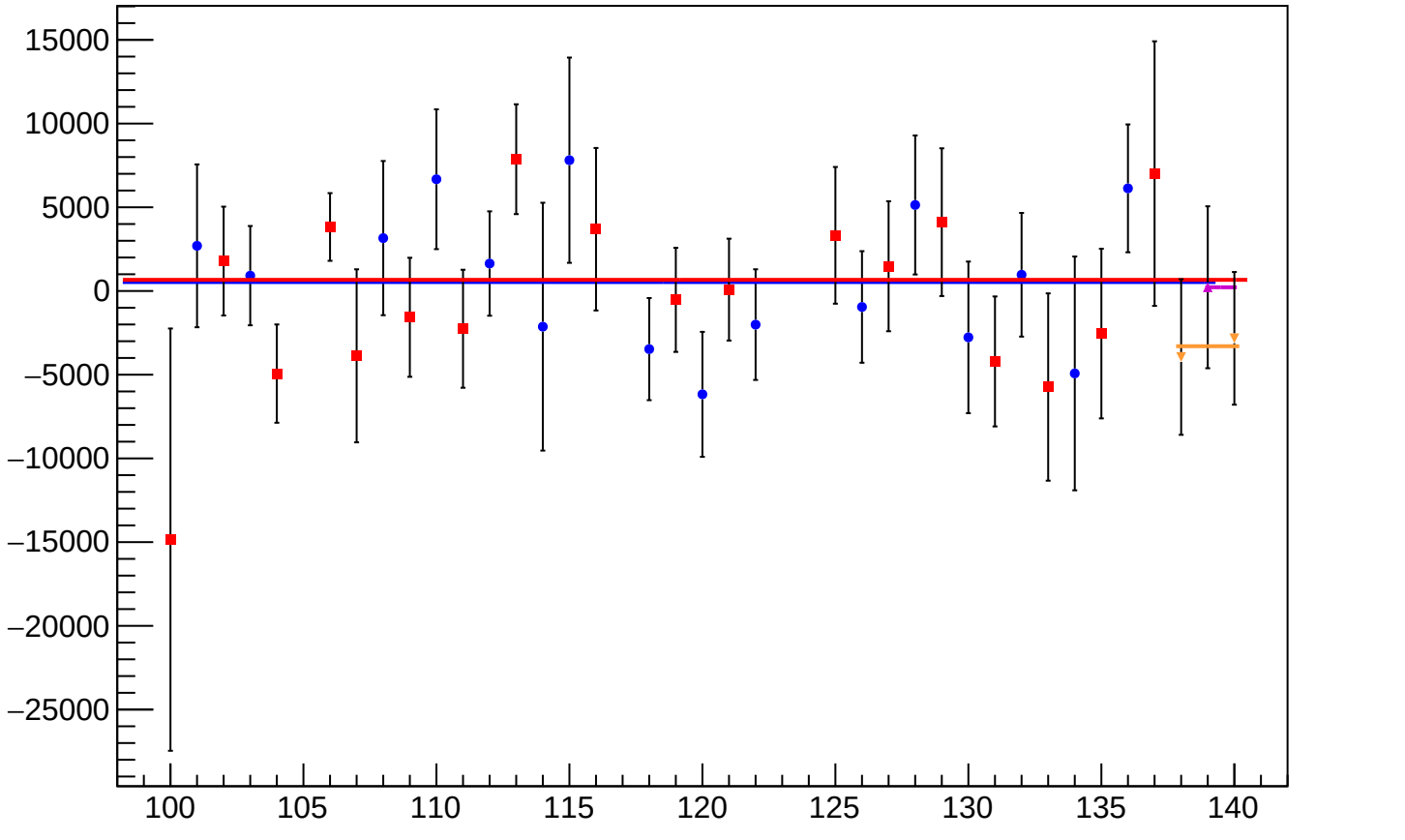
Left: 1261.018+/-0.568 χ^2/NDF: 4200.5/2

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 884.474+/-0.224 χ^2/NDF:555445.4/16

Out: 884.769+/-0.214 χ^2/NDF:641747.0/19

All: 884.628+/-0.155 χ^2/NDF: 1197193.3/36



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -3298.368+/-3014.581 χ^2/NDF:0.0/1

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: 222.458+/-4836.487 χ^2/NDF:0.0/0

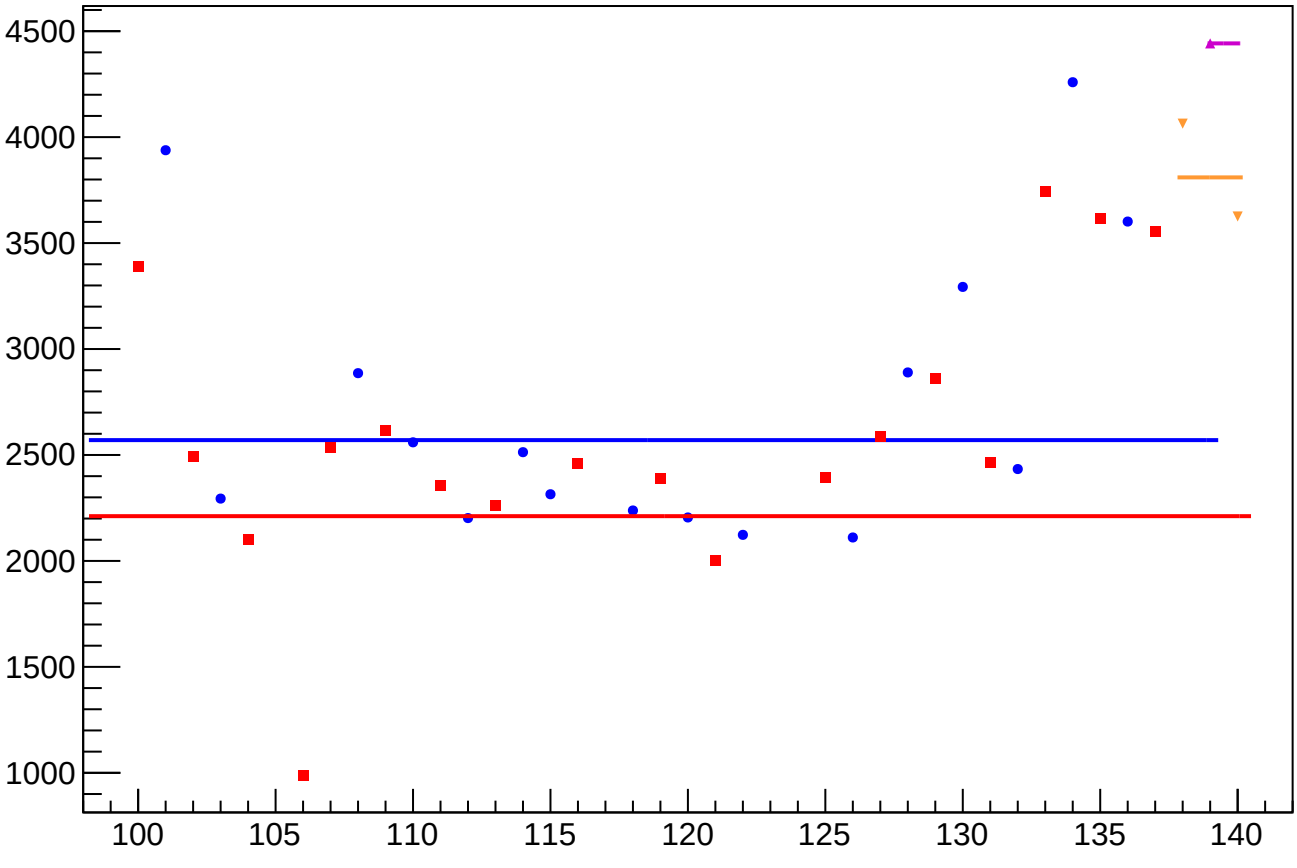
Left: -2313.242+/-2558.313 χ^2/NDF: 0.4/2

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 522.169+/-961.696 χ^2/NDF:14.7/16

Out: 364.335+/-831.422 χ^2/NDF:21.6/19

All: 431.845+/-628.959 χ^2/NDF: 36.3/36



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3809.959+/-2.132 χ^2/NDF:10297.4/1

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 4442.329+/-3.420 χ^2/NDF:0.0/0

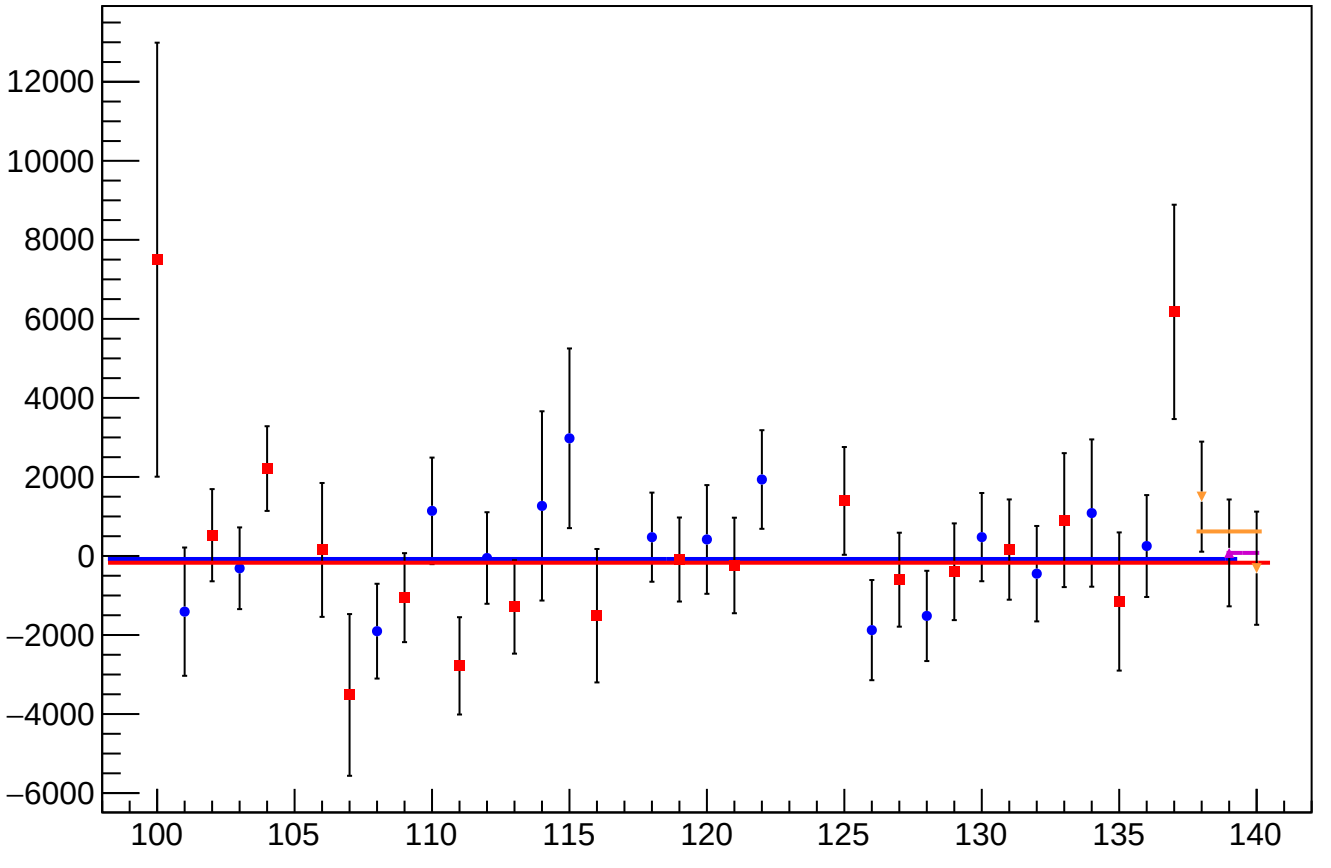
Left: 3986.896+/-1.809 χ^2/NDF: 34921.8/2

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 2644.158+/-0.680 χ^2/NDF:950318.2/16

Out: 2332.875+/-0.588 χ^2/NDF:1794076.4/19

All: 2466.020+/-0.445 χ^2/NDF: 2864307.6/36



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 620.703+/-998.400 χ^2/NDF:0.8/1

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: 77.797+/-1351.923 χ^2/NDF:0.0/0

Left: 429.104+/-803.130 χ^2/NDF: 0.9/2

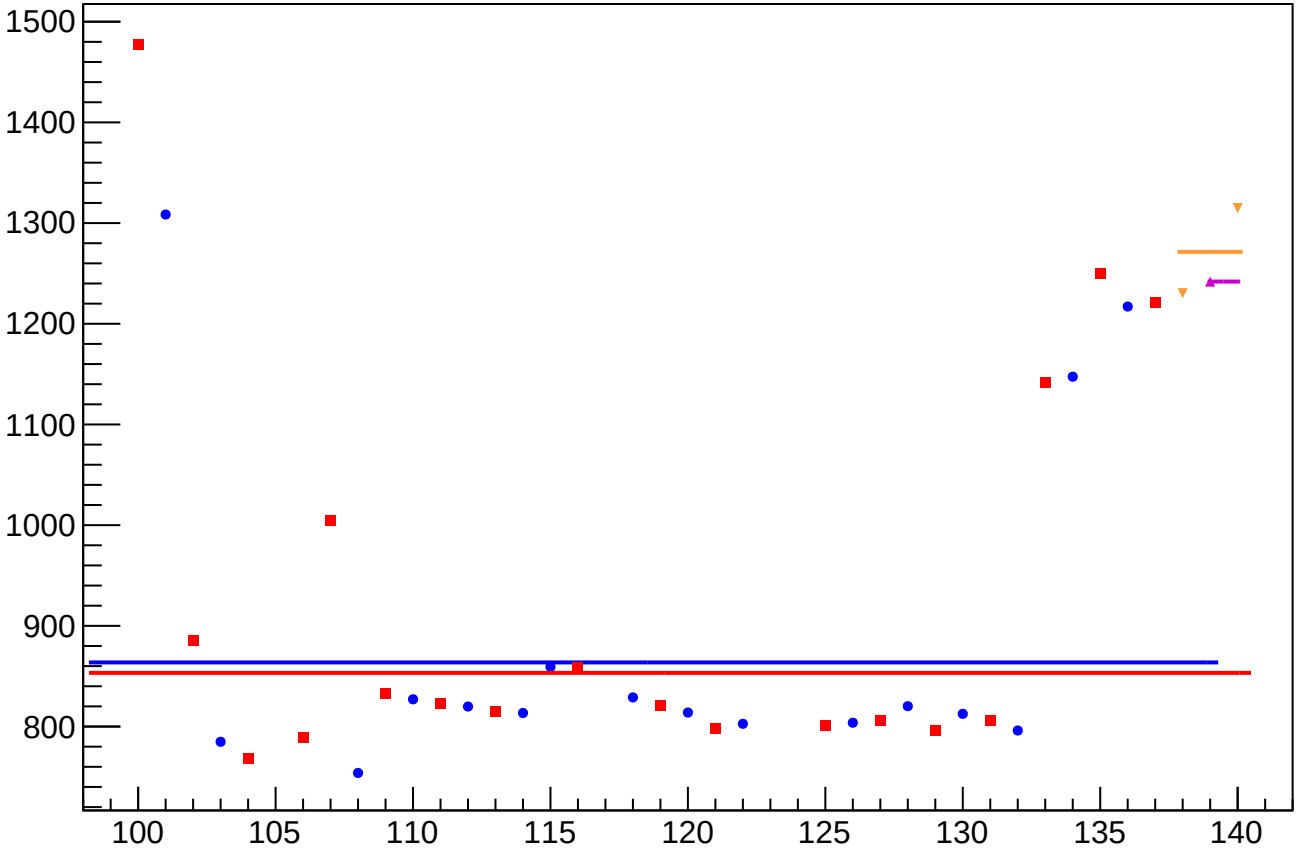
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -67.558+/-317.124 χ^2/NDF:13.4/16

Out: -96.463+/-306.311 χ^2/NDF:25.7/19

All: -82.512+/-220.318 χ^2/NDF: 39.1/36

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1271.438+/-0.706 χ^2/NDF:3583.2/1

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1241.912+/-0.956 χ^2/NDF:0.0/0

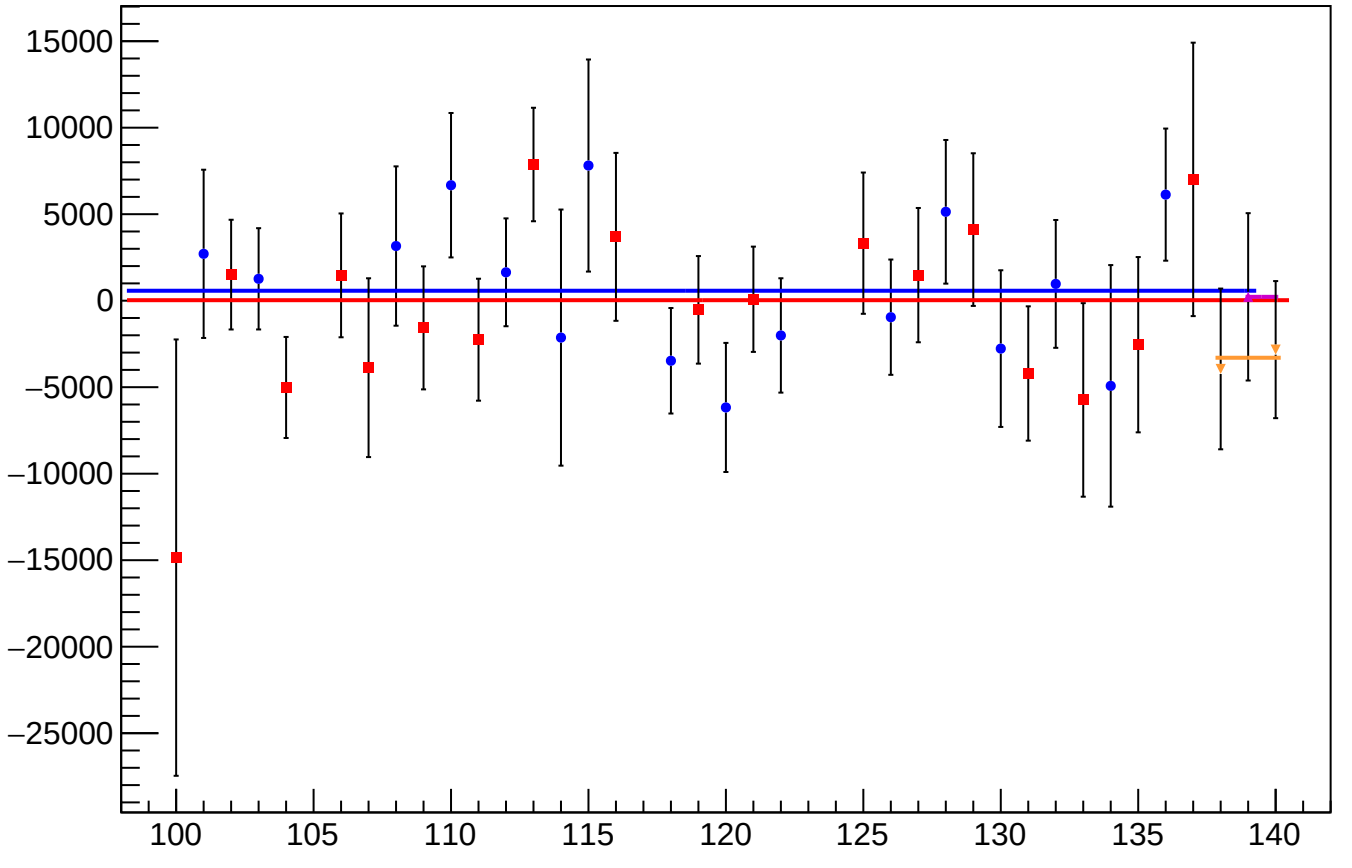
Left: 1261.018+/-0.568 χ^2/NDF: 4200.5/2

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 884.474+/-0.224 χ^2/NDF:555445.1/16

Out: 892.281+/-0.216 χ^2/NDF:597044.9/19

All: 888.531+/-0.155 χ^2/NDF: 1153119.9/36



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3298.530+/-3014.579 χ^2/NDF:0.0/1

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 222.452+/-4836.479 χ^2/NDF:0.0/0

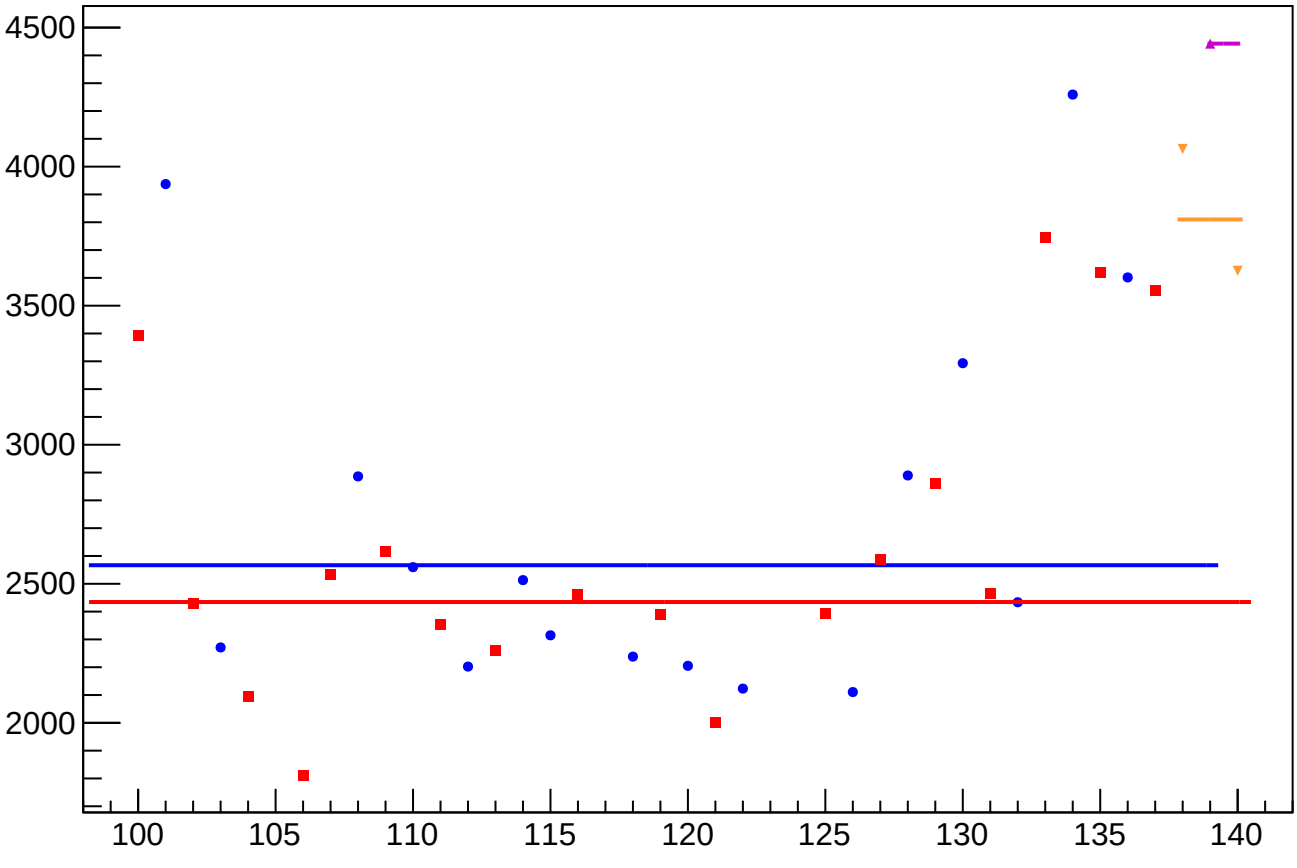
Left: -2313.359+/-2558.310 χ^2/NDF: 0.4/2

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 561.065+/-960.345 χ^2/NDF:14.7/16

Out: -256.066+/-881.785 χ^2/NDF:18.4/19

All: 117.715+/-649.516 χ^2/NDF: 33.4/36



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3809.956+/-2.132 χ^2/NDF:10297.5/1

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 4442.321+/-3.420 χ^2/NDF:0.0/0

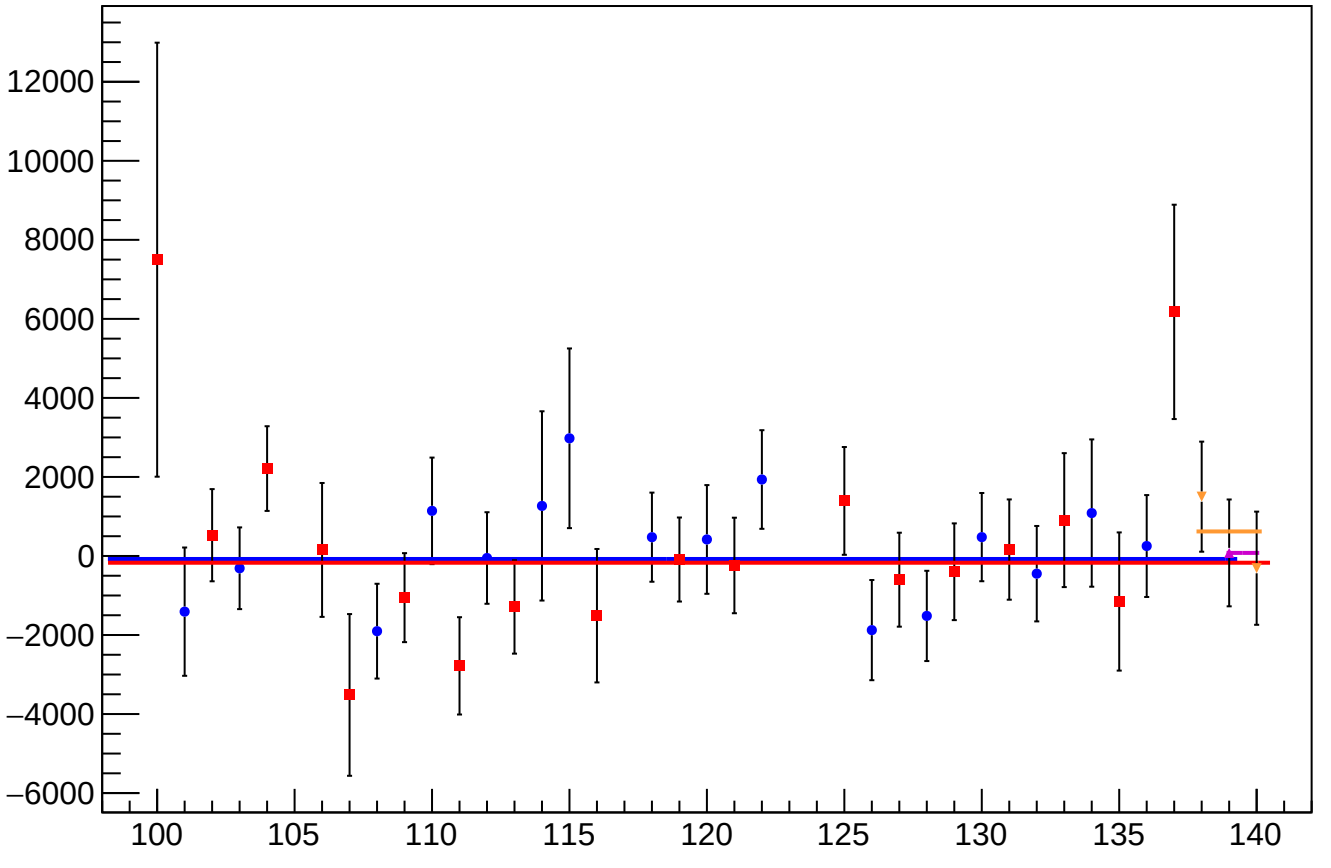
Left: 3986.891+/-1.809 χ^2/NDF: 34921.6/2

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2640.682+/-0.679 χ^2/NDF:954791.1/16

Out: 2552.120+/-0.624 χ^2/NDF:825151.8/19

All: 2592.631+/-0.459 χ^2/NDF: 1789171.1/36



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 620.703+/-998.400 χ^2/NDF:0.8/1

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: 77.797+/-1351.923 χ^2/NDF:0.0/0

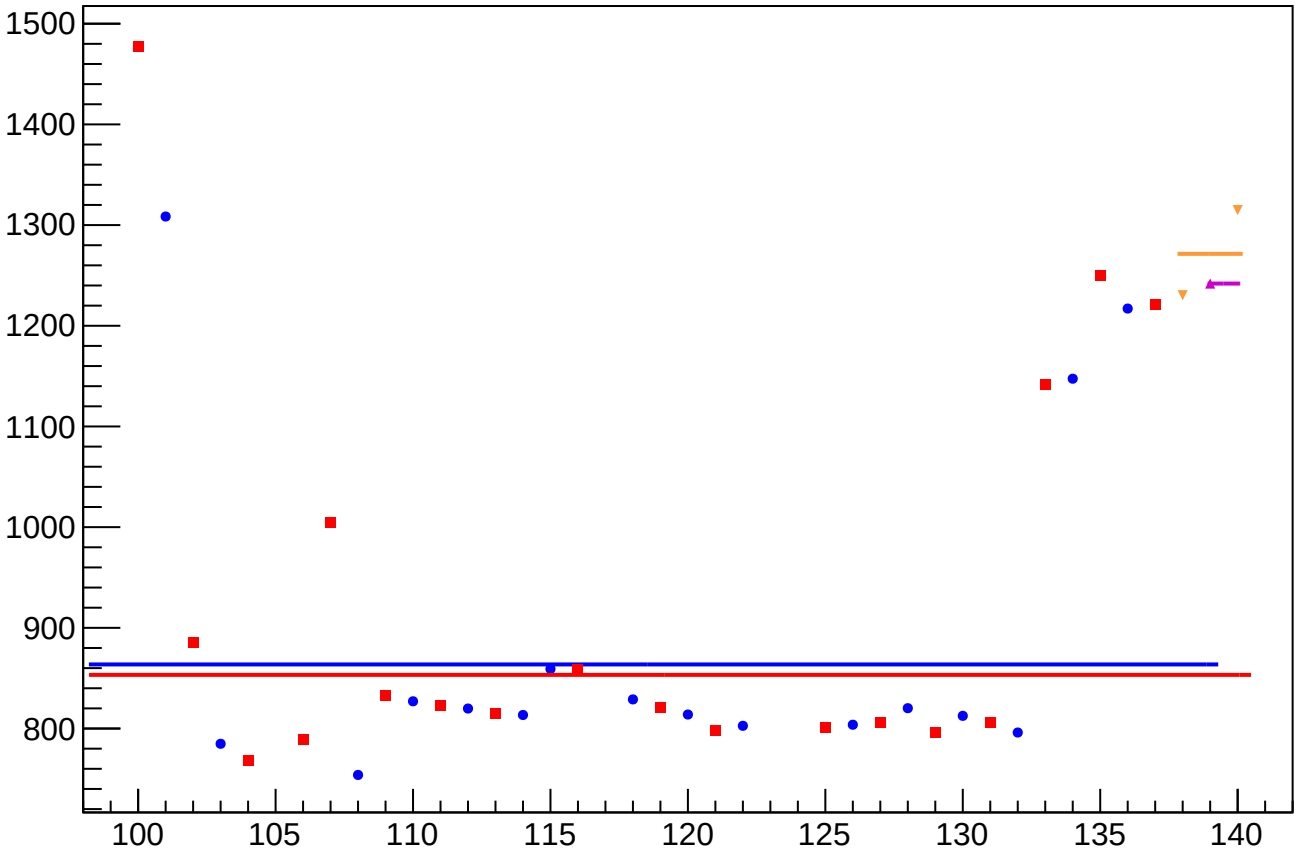
Left: 429.104+/-803.130 χ^2/NDF: 0.9/2

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -67.558+/-317.124 χ^2/NDF:13.4/16

Out: -96.463+/-306.311 χ^2/NDF:25.7/19

All: -82.512+/-220.318 χ^2/NDF: 39.1/36



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1271.438+/-0.706 χ^2/NDF:3583.2/1

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1241.912+/-0.956 χ^2/NDF:0.0/0

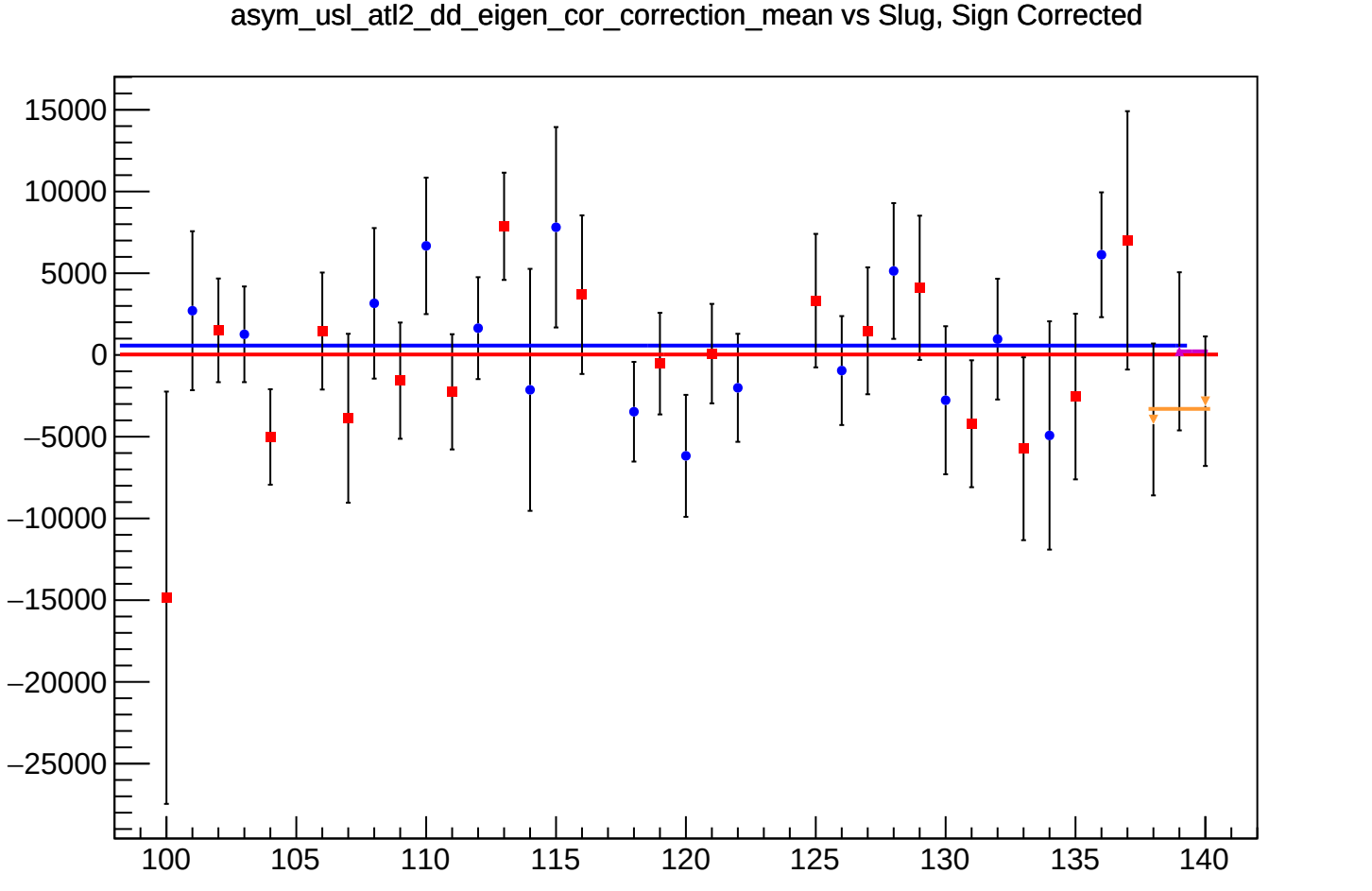
Left: 1261.018+/-0.568 χ^2/NDF: 4200.5/2

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 884.474+/-0.224 χ^2/NDF:555445.1/16

Out: 892.281+/-0.216 χ^2/NDF:597044.9/19

All: 888.531+/-0.155 χ^2/NDF: 1153119.9/36



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3298.530+/-3014.579 χ^2/NDF:0.0/1

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 222.452+/-4836.479 χ^2/NDF:0.0/0

Left: -2313.359+/-2558.310 χ^2/NDF: 0.4/2

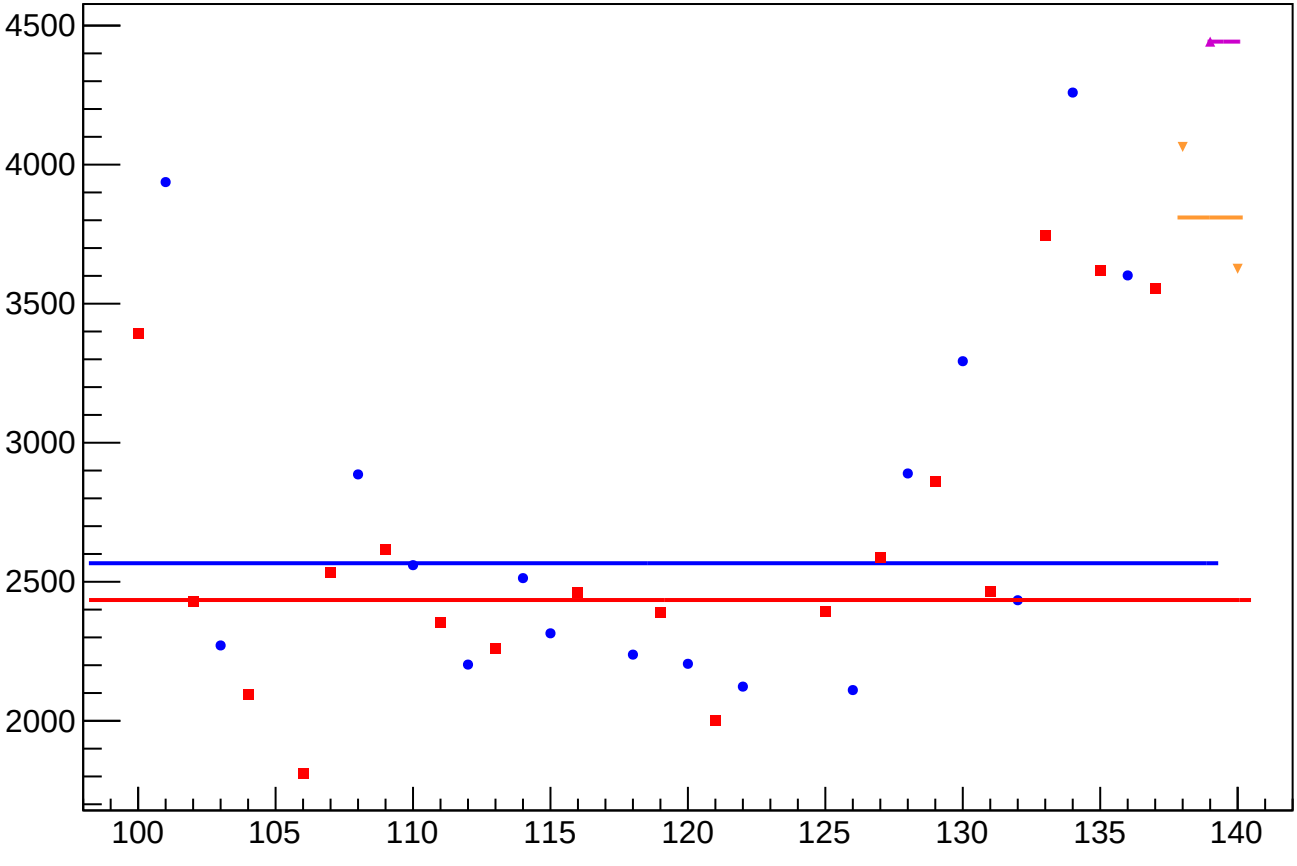
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 561.065+/-960.345 χ^2/NDF:14.7/16

Out: -256.066+/-881.785 χ^2/NDF:18.4/19

All: 117.715+/-649.516 χ^2/NDF: 33.4/36

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: 3809.956+/-2.132 χ^2/NDF:10297.5/1

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 4442.321+/-3.420 χ^2/NDF:0.0/0

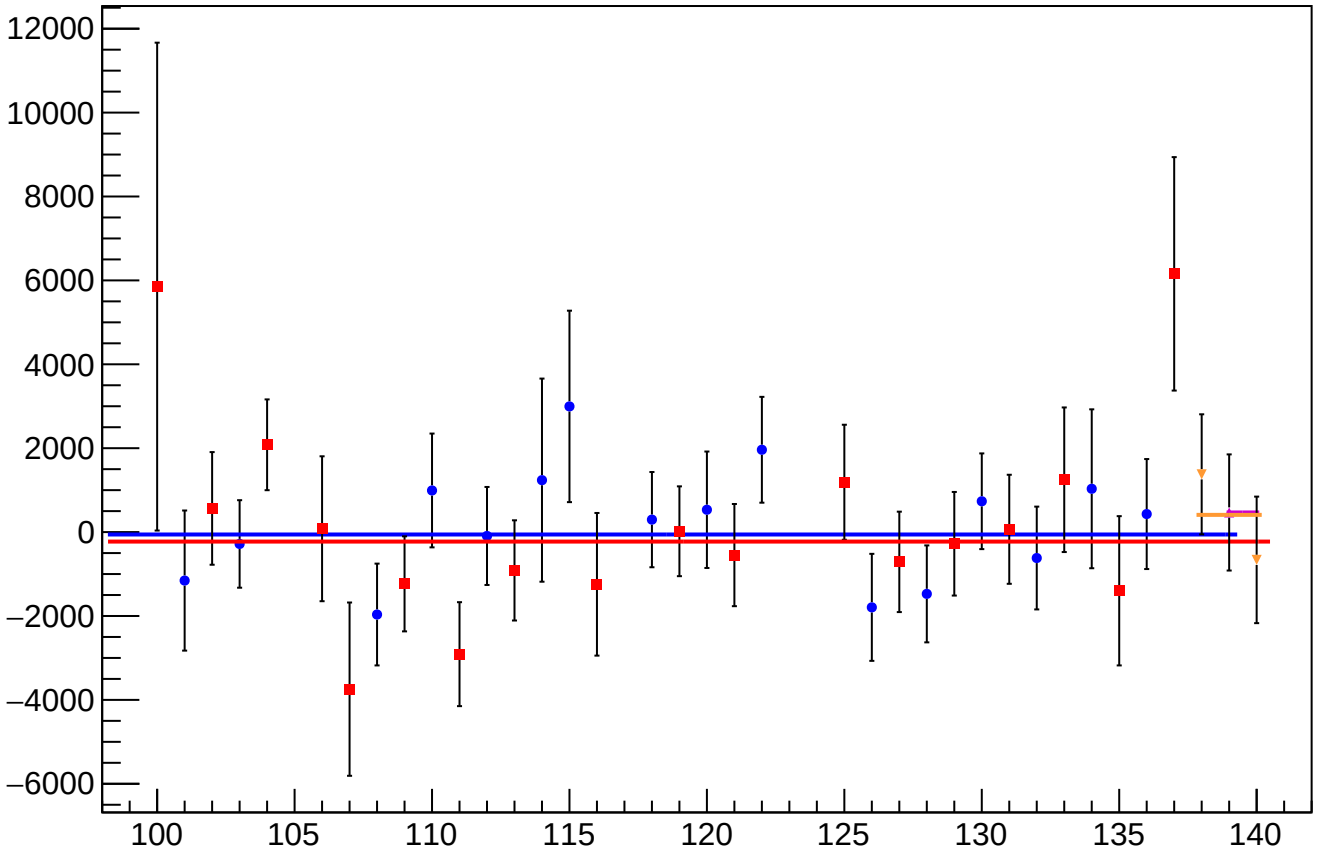
Left: 3986.891+/-1.809 χ^2/NDF: 34921.6/2

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2640.682+/-0.679 χ^2/NDF:954791.1/16

Out: 2552.120+/-0.624 χ^2/NDF:825151.8/19

All: 2592.631+/-0.459 χ^2/NDF: 1789171.1/36



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 410.512+/-1038.182 χ^2/NDF:1.0/1

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: 467.916+/-1384.395 χ^2/NDF:0.0/0

Left: 431.175+/-830.578 χ^2/NDF: 1.0/2

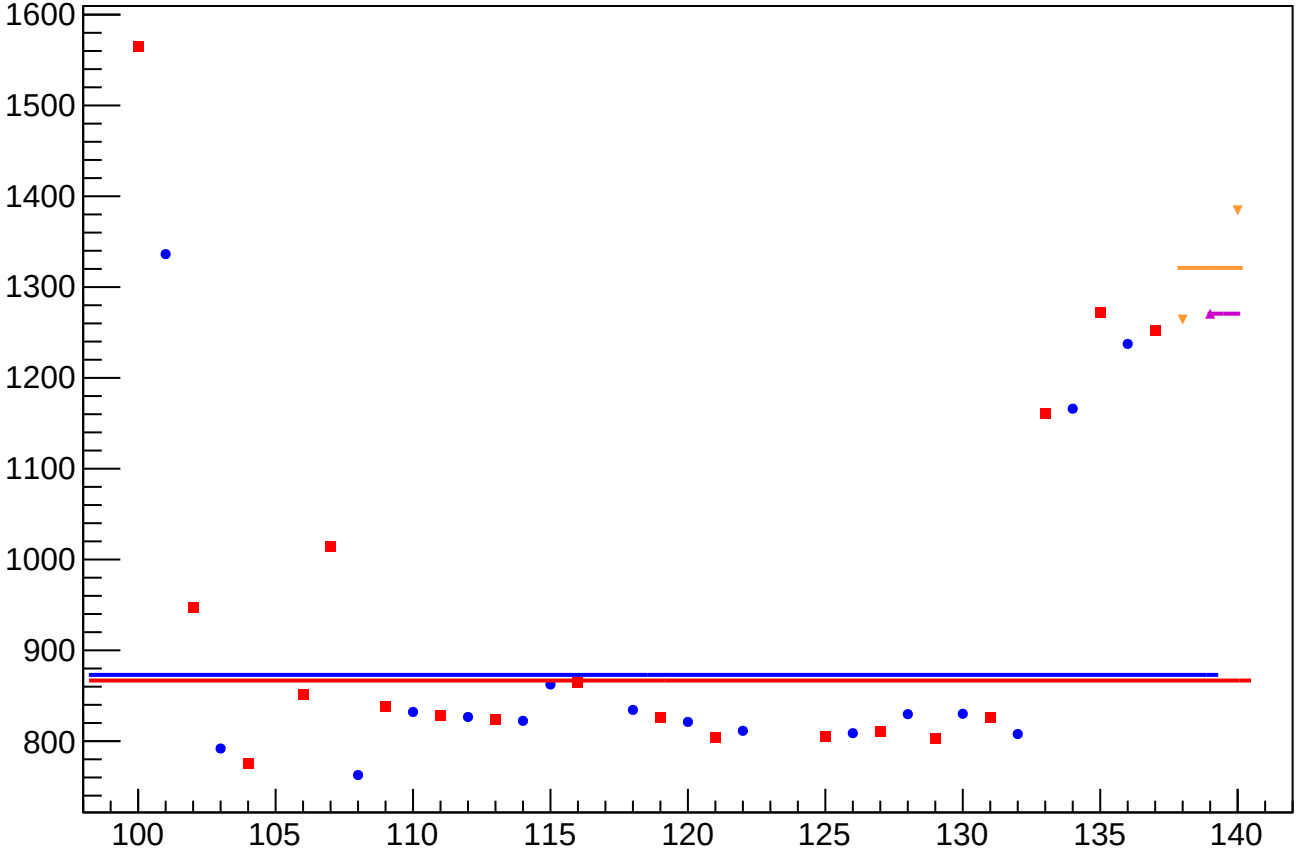
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -28.960+/-321.087 χ^2/NDF:13.1/16

Out: -168.278+/-312.821 χ^2/NDF:24.2/19

All: -100.435+/-224.063 χ^2/NDF: 37.4/36

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1321.165+/-0.734 χ^2/NDF:6696.6/1

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1270.723+/-0.979 χ^2/NDF:0.0/0

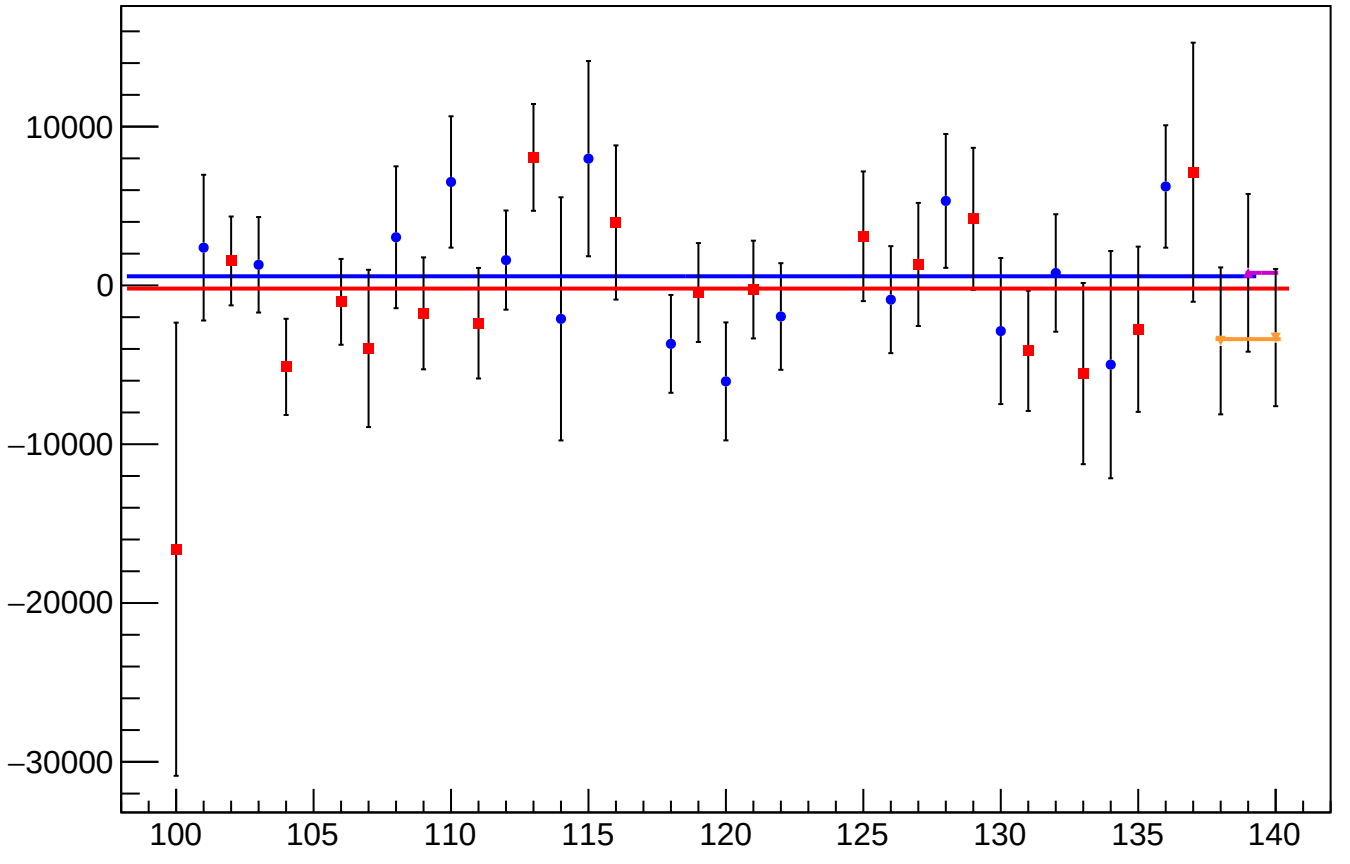
Left: 1303.008+/-0.587 χ^2/NDF: 8396.0/2

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 894.368+/-0.227 χ^2/NDF:573313.4/16

Out: 907.953+/-0.221 χ^2/NDF:645490.4/19

All: 901.343+/-0.158 χ^2/NDF: 1220642.2/36



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -3382.051+/-3157.233 χ^2/NDF:0.0/1

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: 792.981+/-4966.160 χ^2/NDF:0.0/0

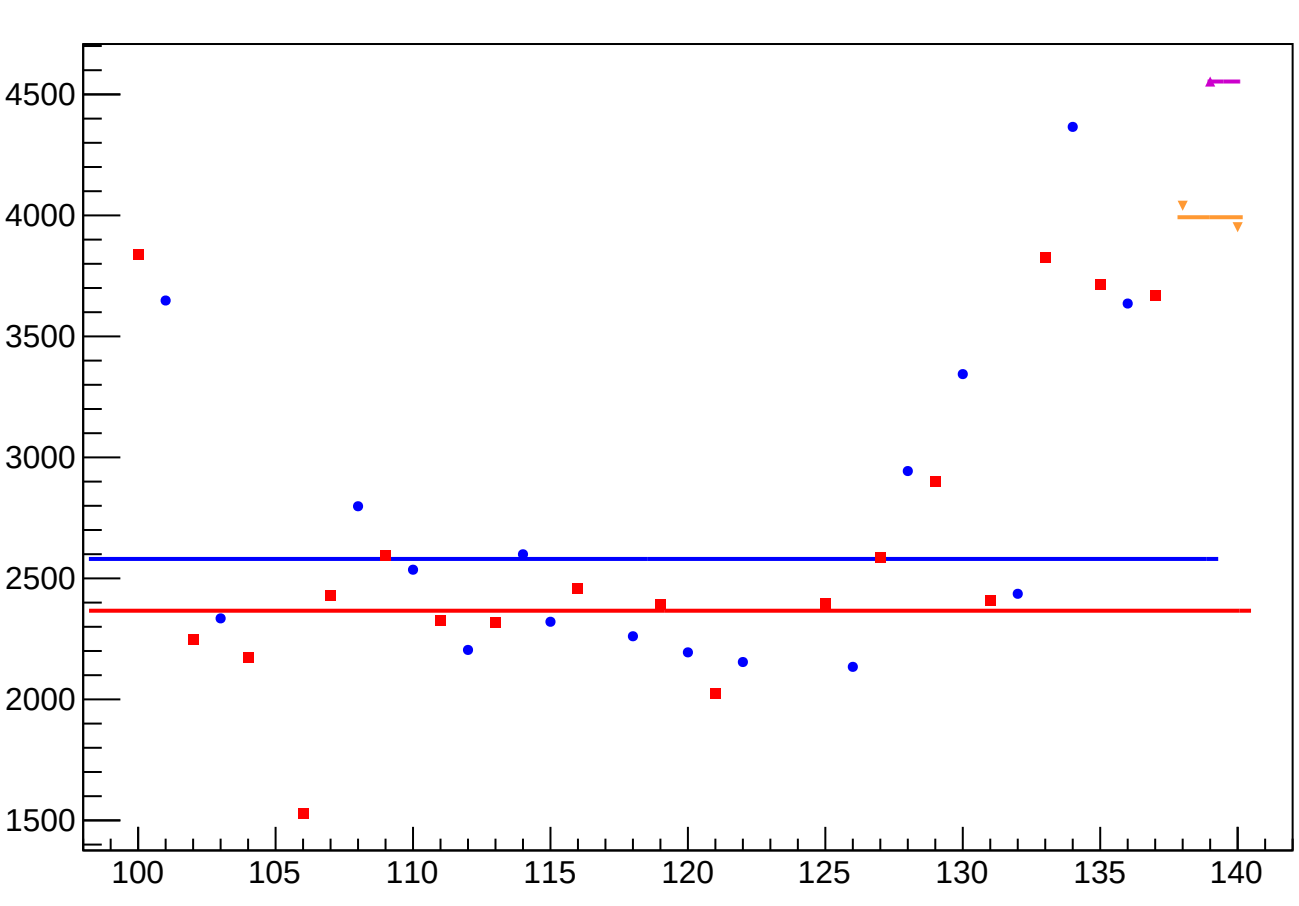
Left: -2180.313+/-2664.377 χ^2/NDF: 0.5/2

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 583.510+/-966.073 χ^2/NDF:14.7/16

Out: -434.361+/-860.289 χ^2/NDF:18.1/19

All: 15.816+/-642.473 χ^2/NDF: 33.4/36



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3992.455+/-2.233 χ^2/NDF:393.5/1

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4553.271+/-3.512 χ^2/NDF:0.0/0

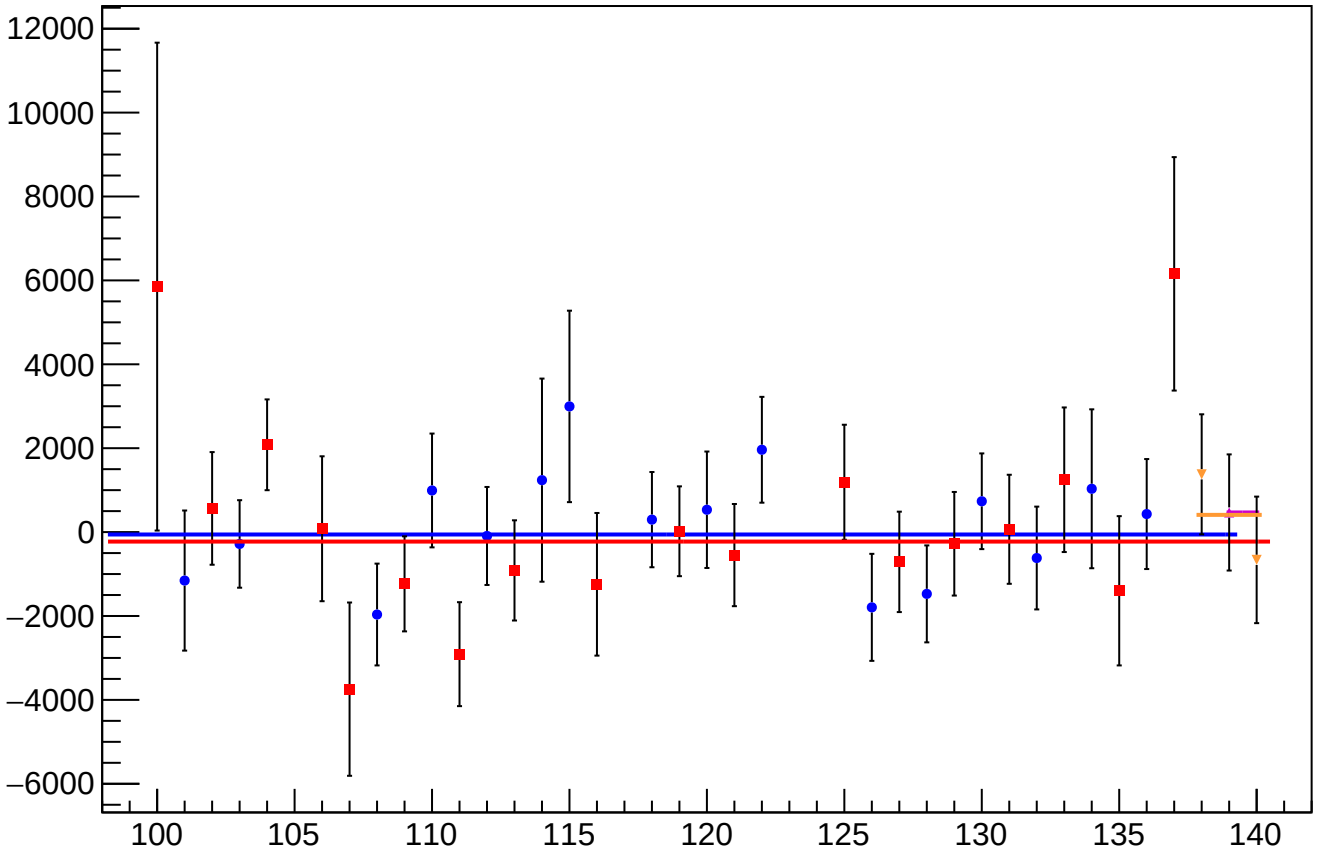
Left: 4153.880+/-1.884 χ^2/NDF: 18557.4/2

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2655.036+/-0.683 χ^2/NDF:920854.5/16

Out: 2487.140+/-0.608 χ^2/NDF:1103195.3/19

All: 2561.396+/-0.454 χ^2/NDF: 2057740.6/36



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 410.505+/-1038.182 χ^2/NDF:1.0/1

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: 467.917+/-1384.396 χ^2/NDF:0.0/0

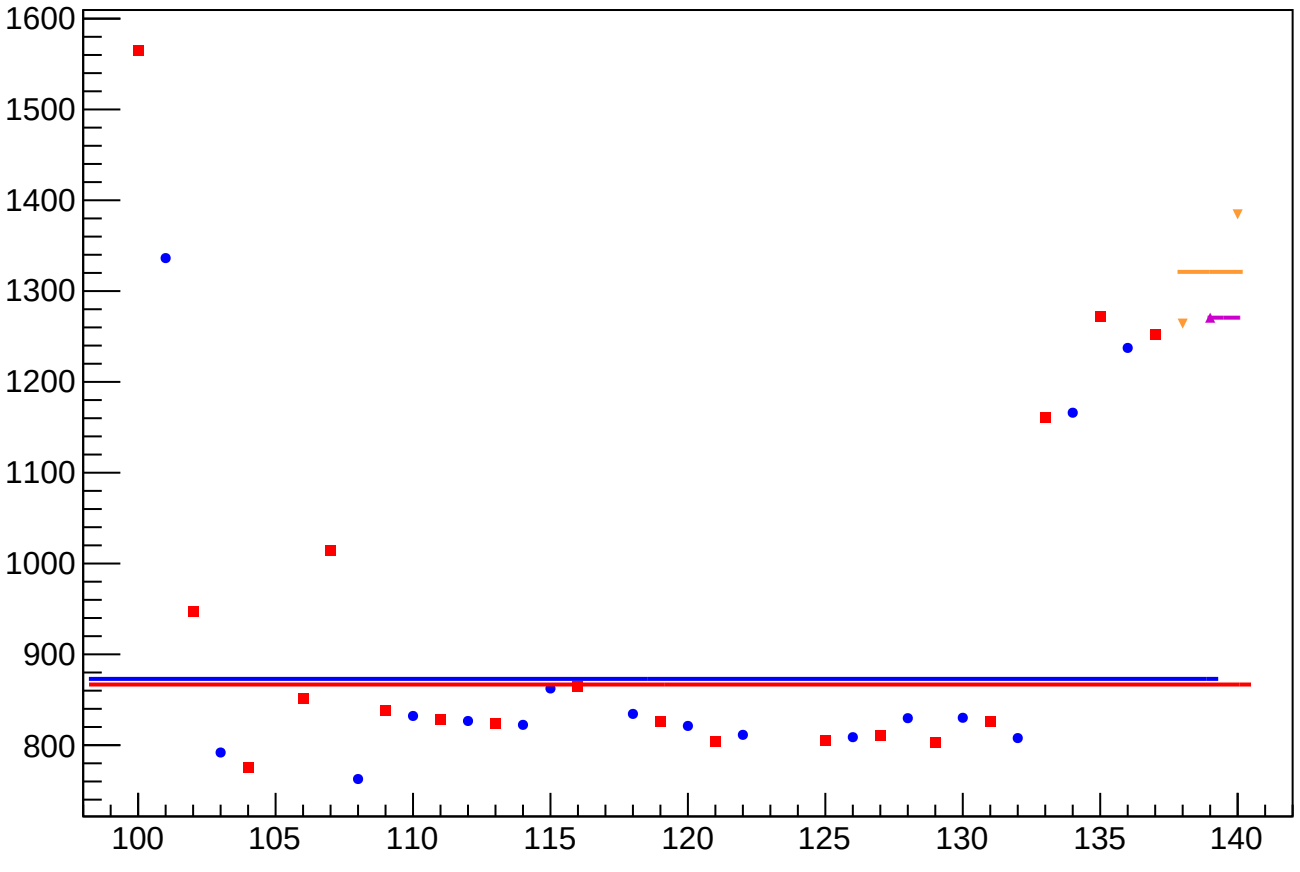
Left: 431.170+/-830.579 χ^2/NDF: 1.0/2

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -28.963+/-321.087 χ^2/NDF:13.1/16

Out: -168.282+/-312.821 χ^2/NDF:24.2/19

All: -100.438+/-224.063 χ^2/NDF: 37.4/36



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1321.165+/-0.734 χ^2/NDF:6696.8/1

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1270.725+/-0.979 χ^2/NDF:0.0/0

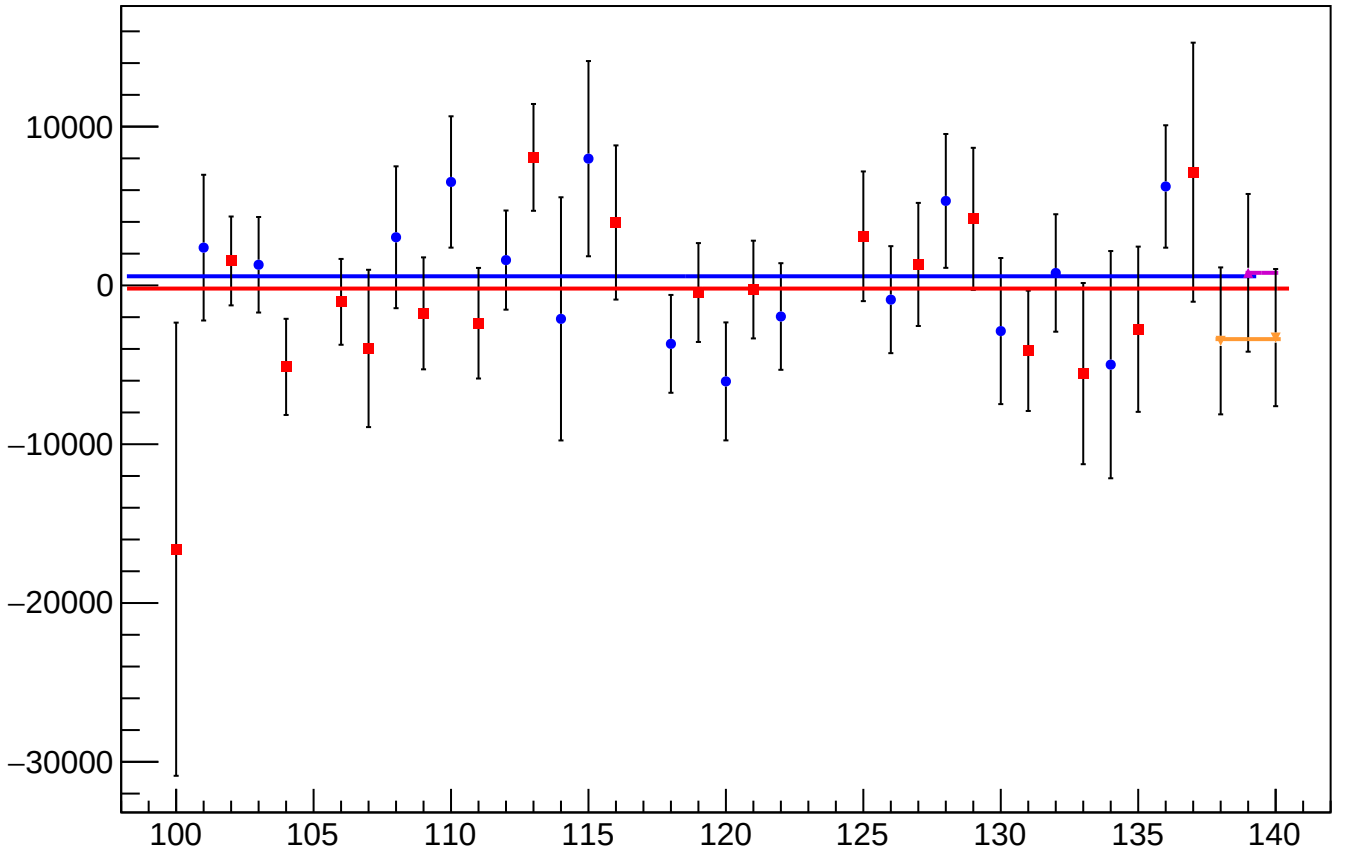
Left: 1303.009+/-0.587 χ^2/NDF: 8396.1/2

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 894.368+/-0.227 χ^2/NDF:573313.9/16

Out: 907.953+/-0.221 χ^2/NDF:645491.3/19

All: 901.344+/-0.158 χ^2/NDF: 1220643.6/36



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -3382.057+/-3157.242 χ^2/NDF:0.0/1

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 792.979+/-4966.180 χ^2/NDF:0.0/0

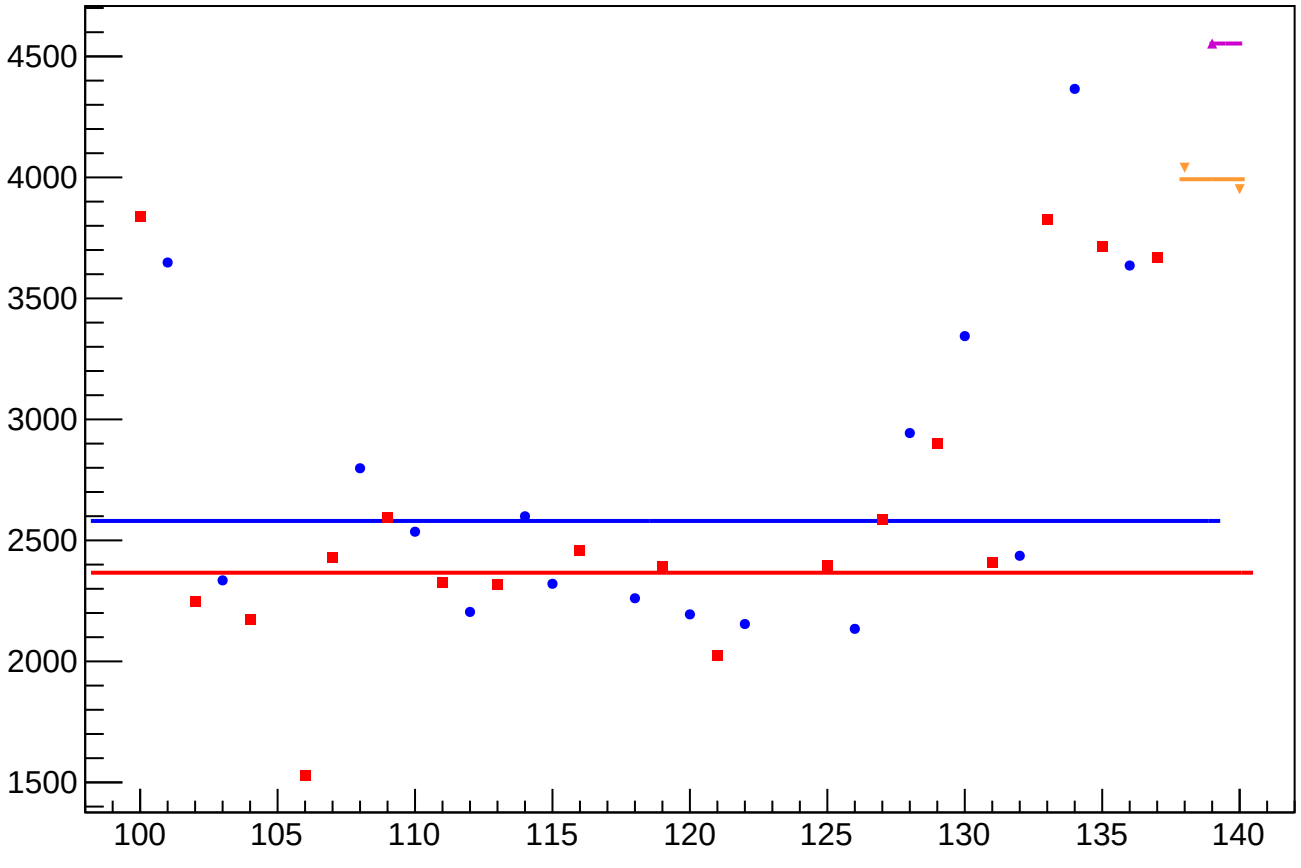
Left: -2180.320+/-2664.385 χ^2/NDF: 0.5/2

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 583.505+/-966.070 χ^2/NDF:14.7/16

Out: -434.360+/-860.287 χ^2/NDF:18.1/19

All: 15.814+/-642.472 χ^2/NDF: 33.4/36



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3992.465+/-2.233 χ^2/NDF:393.6/1

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4553.289+/-3.512 χ^2/NDF:0.0/0

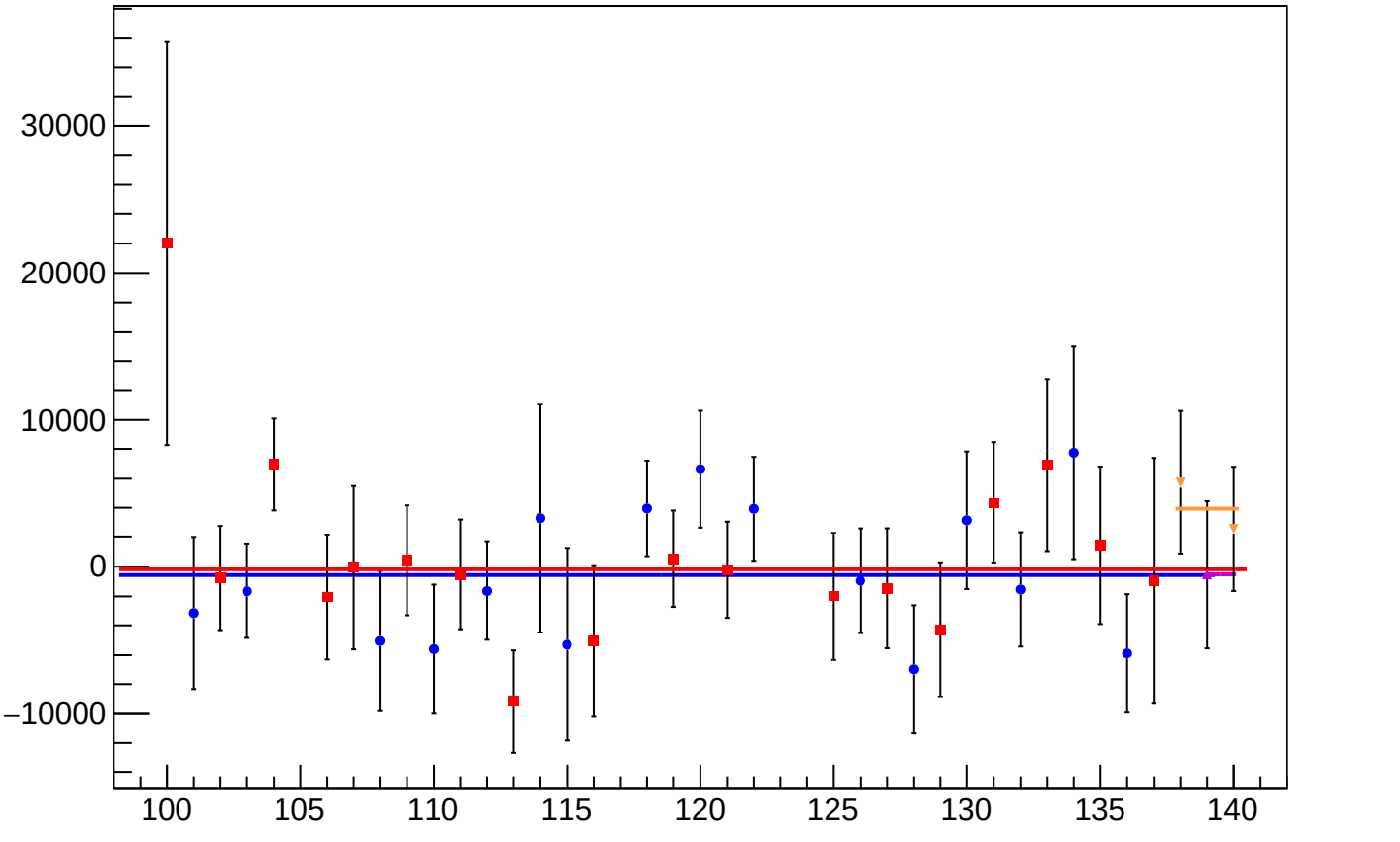
Left: 4153.892+/-1.884 χ^2/NDF: 18557.9/2

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 2655.027+/-0.683 χ^2/NDF:920867.6/16

Out: 2487.133+/-0.608 χ^2/NDF:1103207.4/19

All: 2561.388+/-0.454 χ^2/NDF: 2057765.4/36



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 3936.153+/-3187.336 χ^2/NDF:0.2/1

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -518.731+/-5024.199 χ^2/NDF:0.0/0

Left: 2657.749+/-2691.428 χ^2/NDF: 0.8/2

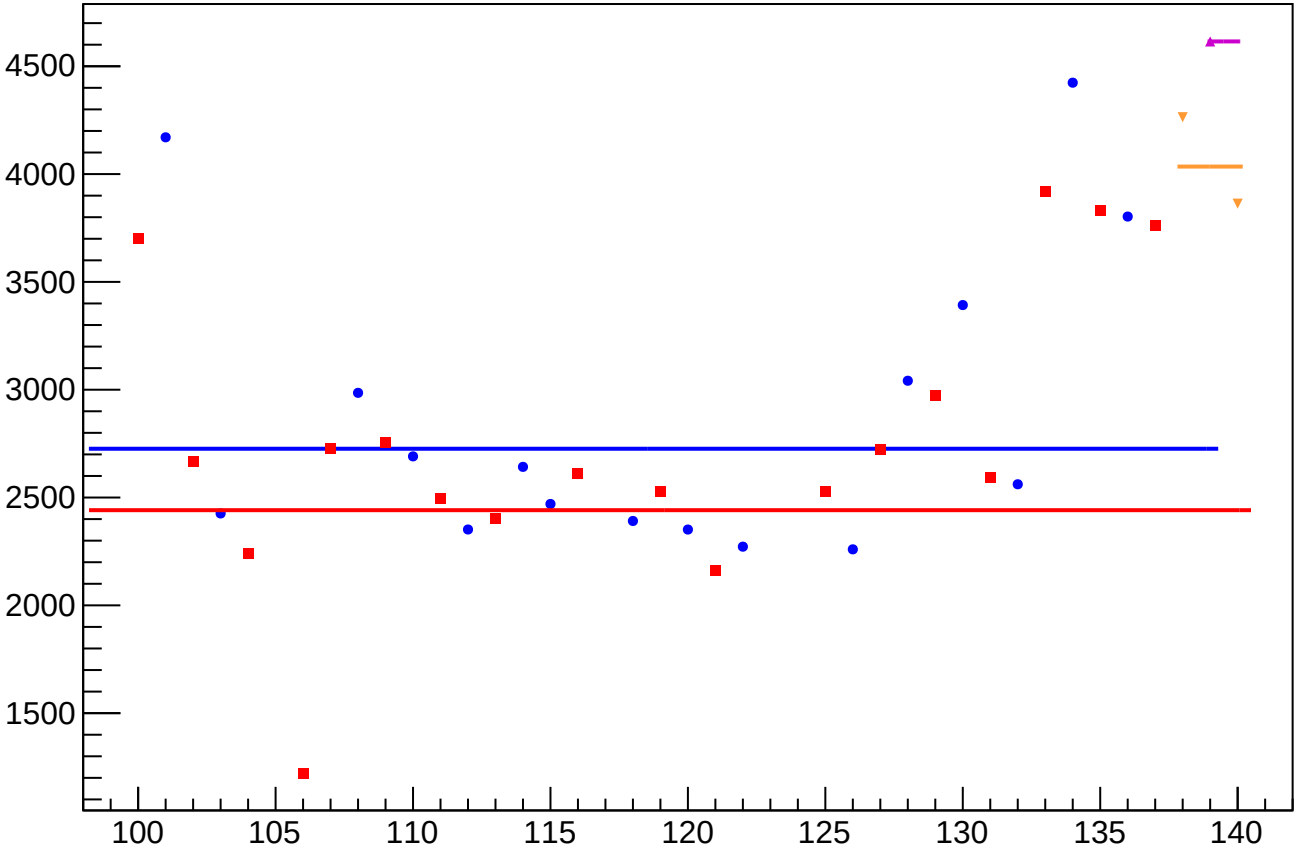
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -564.149+/-1018.705 χ^2/NDF:16.2/16

Out: 182.383+/-944.044 χ^2/NDF:21.3/19

All: -162.526+/-692.431 χ^2/NDF: 37.8/36

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4034.776+/-2.254 χ^2/NDF:7752.5/1

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4615.128+/-3.553 χ^2/NDF:0.0/0

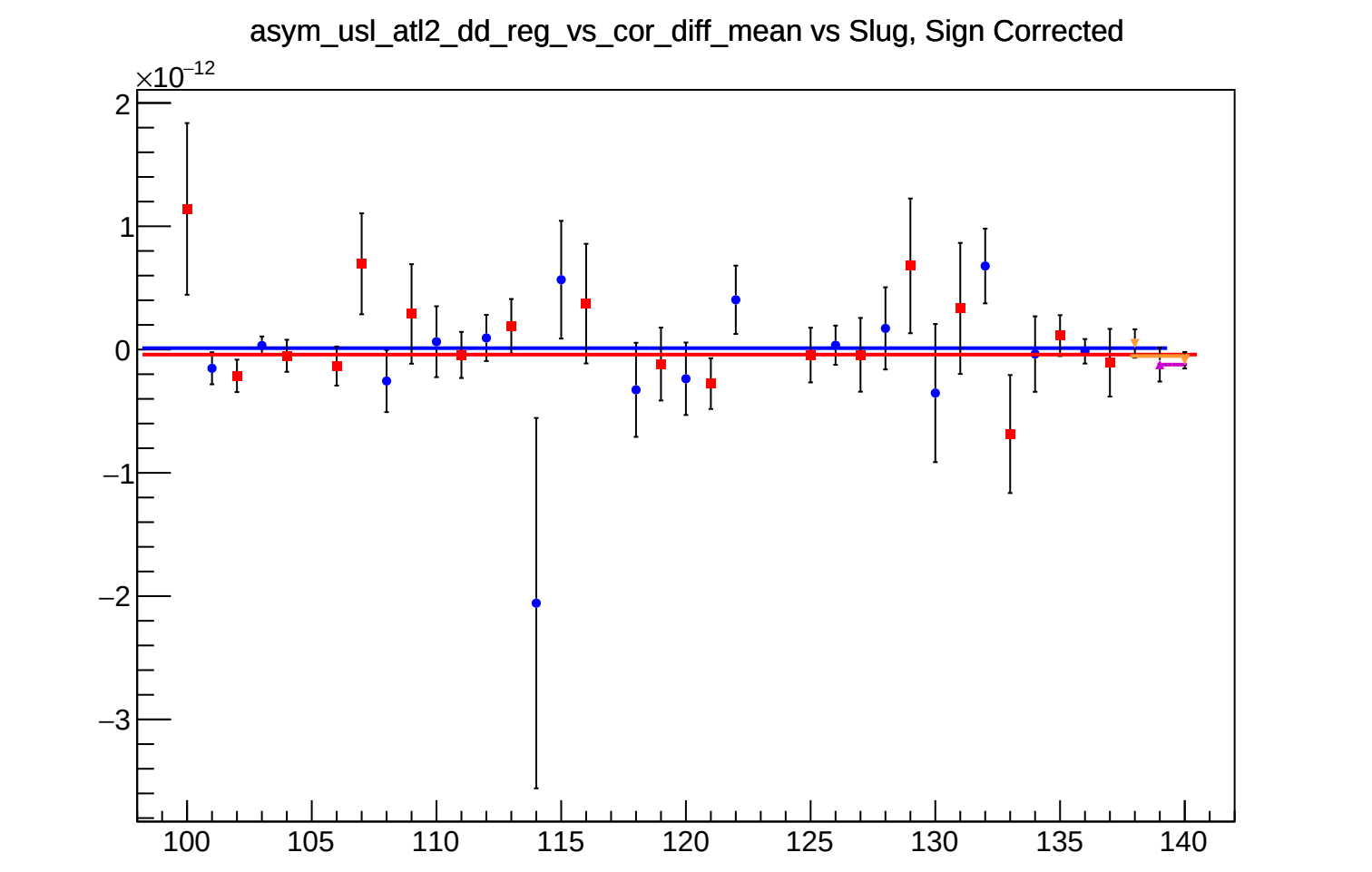
Left: 4201.318+/-1.903 χ^2/NDF: 26780.3/2

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 2803.886+/-0.720 χ^2/NDF:894149.5/16

Out: 2569.661+/-0.640 χ^2/NDF:1358479.0/19

All: 2672.905+/-0.478 χ^2/NDF: 2311754.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

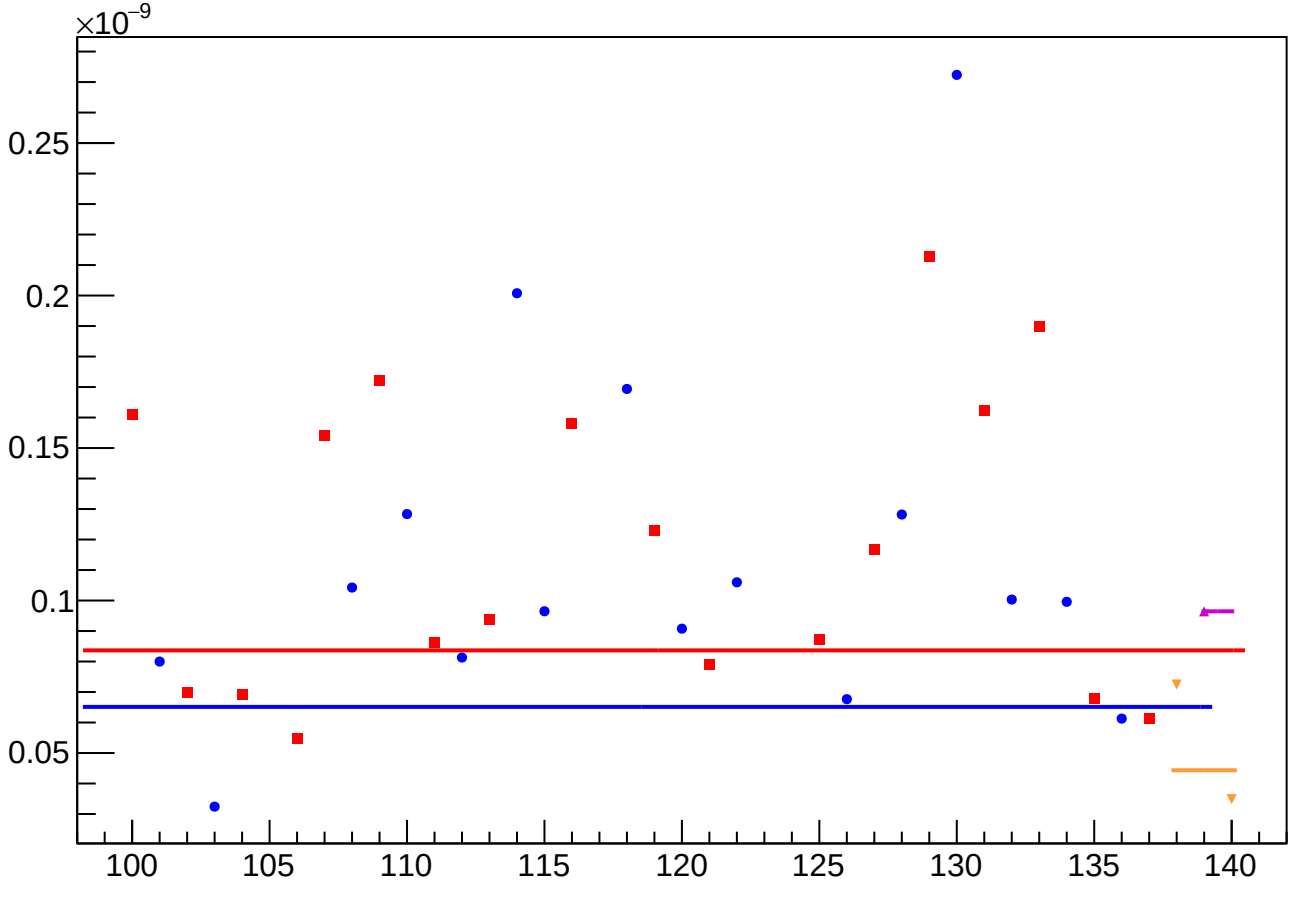
Left: -0.000+/-0.000 χ^2/NDF: 1.3/2

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:16.2/16

Out: -0.000+/-0.000 χ^2/NDF:18.1/19

All: -0.000+/-0.000 χ^2/NDF: 34.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:158990.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

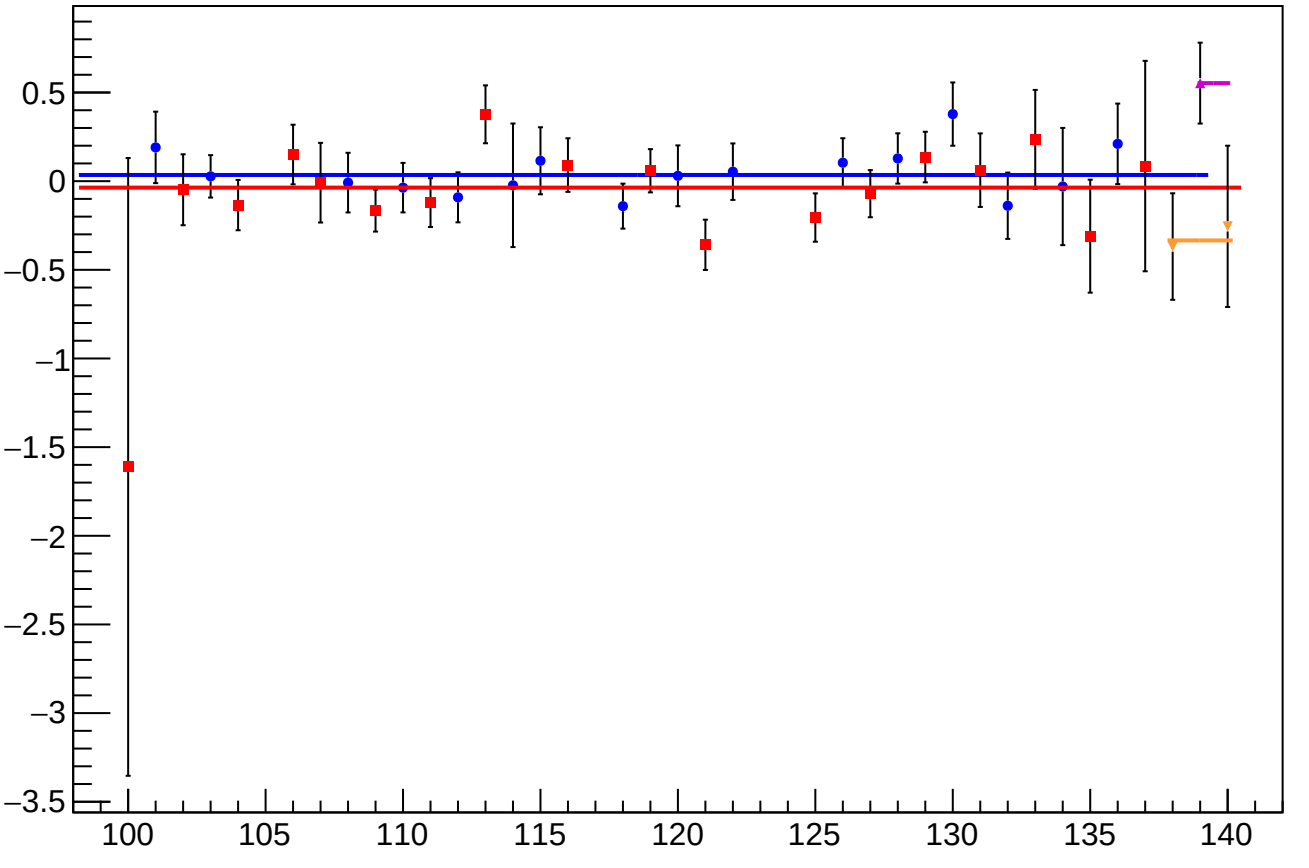
Left: 0.000+/-0.000 χ^2/NDF: 403364.0/2

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:1316925.3/16

Out: 0.000+/-0.000 χ^2/NDF:1349697.6/19

All: 0.000+/-0.000 χ^2/NDF: 2670262.1/36



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.334+/-0.251 χ^2/NDF:0.0/1

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.553+/-0.228 χ^2/NDF:0.0/0

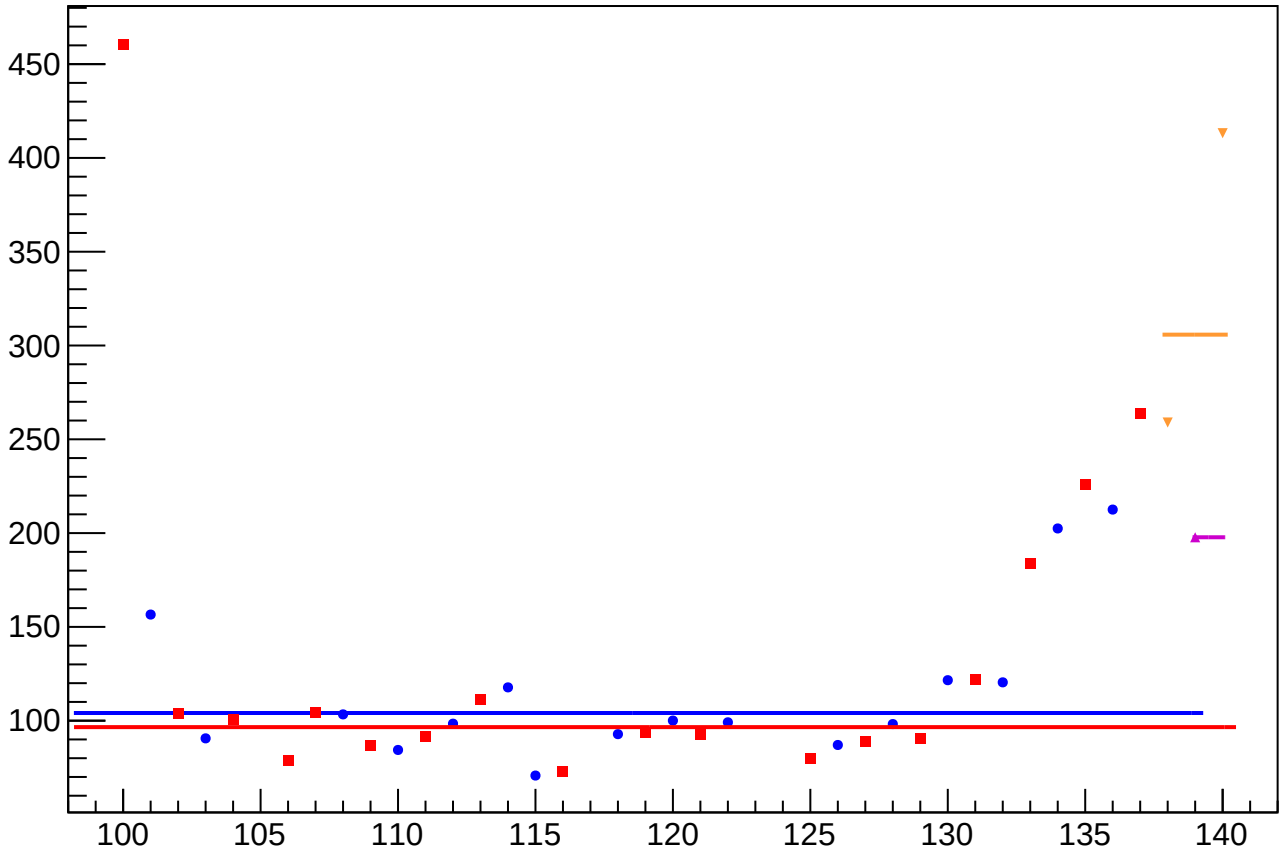
Left: 0.151+/-0.169 χ^2/NDF: 6.9/2

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.051+/-0.040 χ^2/NDF:14.7/16

Out: -0.043+/-0.038 χ^2/NDF:23.5/19

All: 0.002+/-0.028 χ^2/NDF: 41.1/36



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 305.790+/-0.177 χ^2/NDF:160166.1/1

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 197.777+/-0.161 χ^2/NDF:0.0/0

Left: 246.716+/-0.119 χ^2/NDF: 363337.9/2

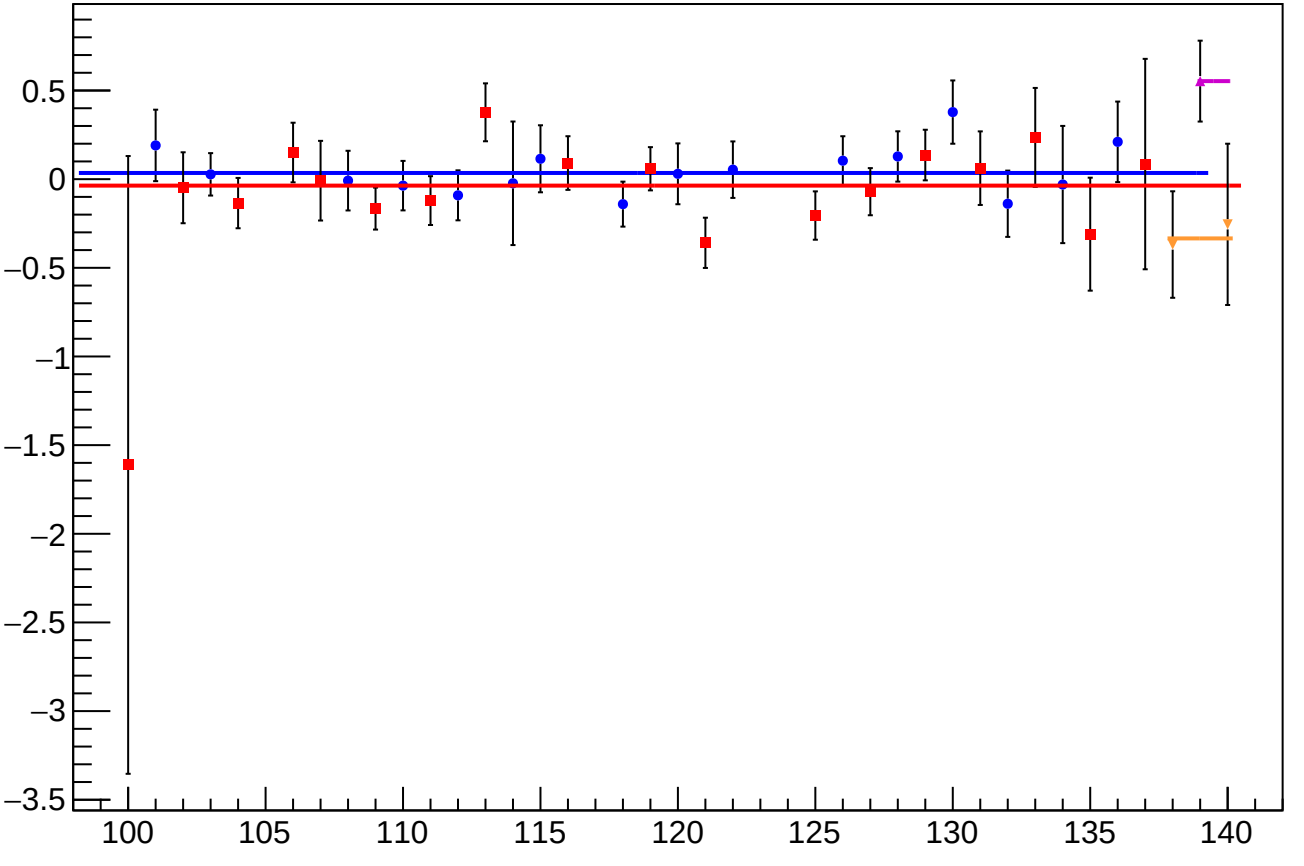
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 107.035+/-0.029 χ^2/NDF:1316572.1/16

Out: 101.491+/-0.027 χ^2/NDF:2476719.0/19

All: 104.126+/-0.020 χ^2/NDF: 3813066.9/36

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.334+/-0.251 χ^2/NDF:0.0/1

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.553+/-0.228 χ^2/NDF:0.0/0

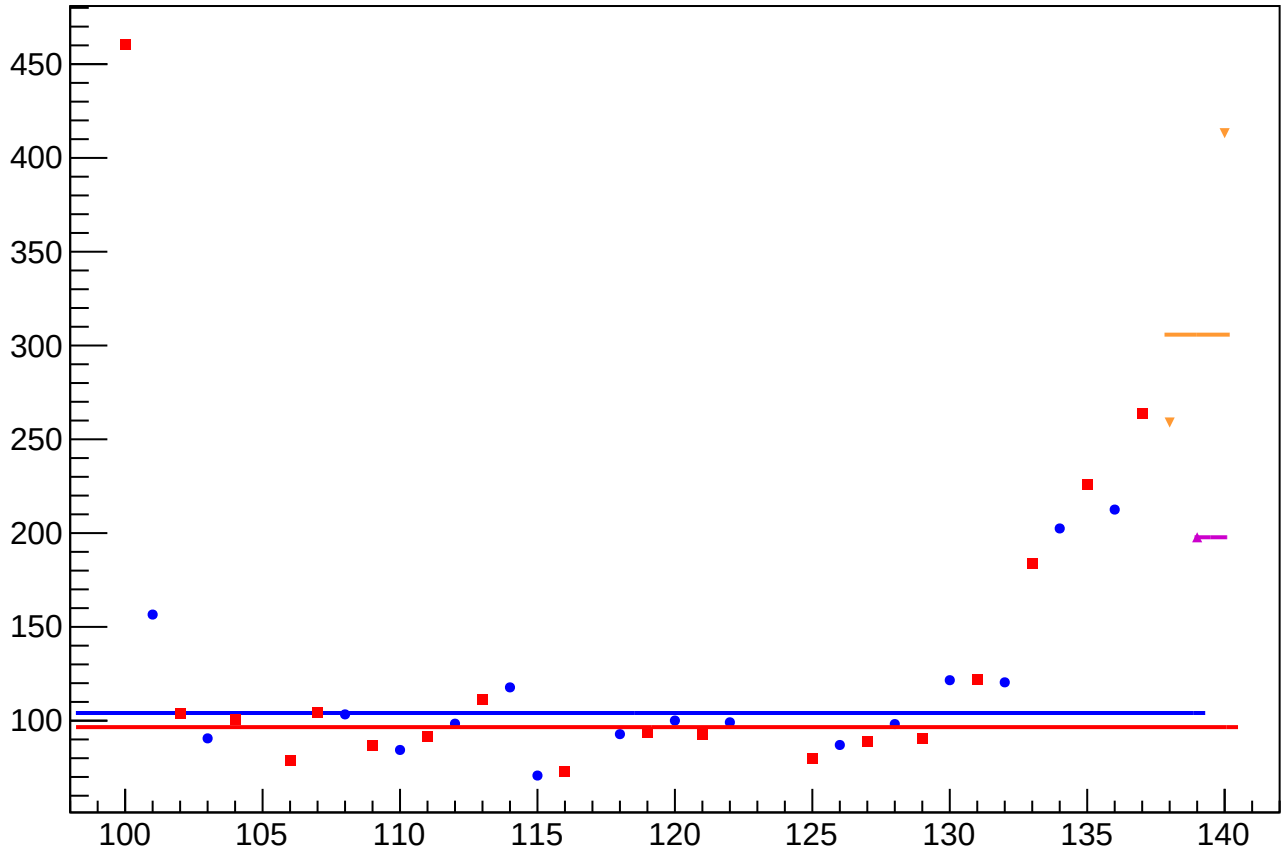
Left: 0.151+/-0.169 χ^2/NDF: 6.9/2

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.051+/-0.040 χ^2/NDF:14.7/16

Out: -0.043+/-0.038 χ^2/NDF:23.5/19

All: 0.002+/-0.028 χ^2/NDF: 41.1/36



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 305.790+/-0.177 χ^2/NDF:160166.1/1

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 197.777+/-0.161 χ^2/NDF:0.0/0

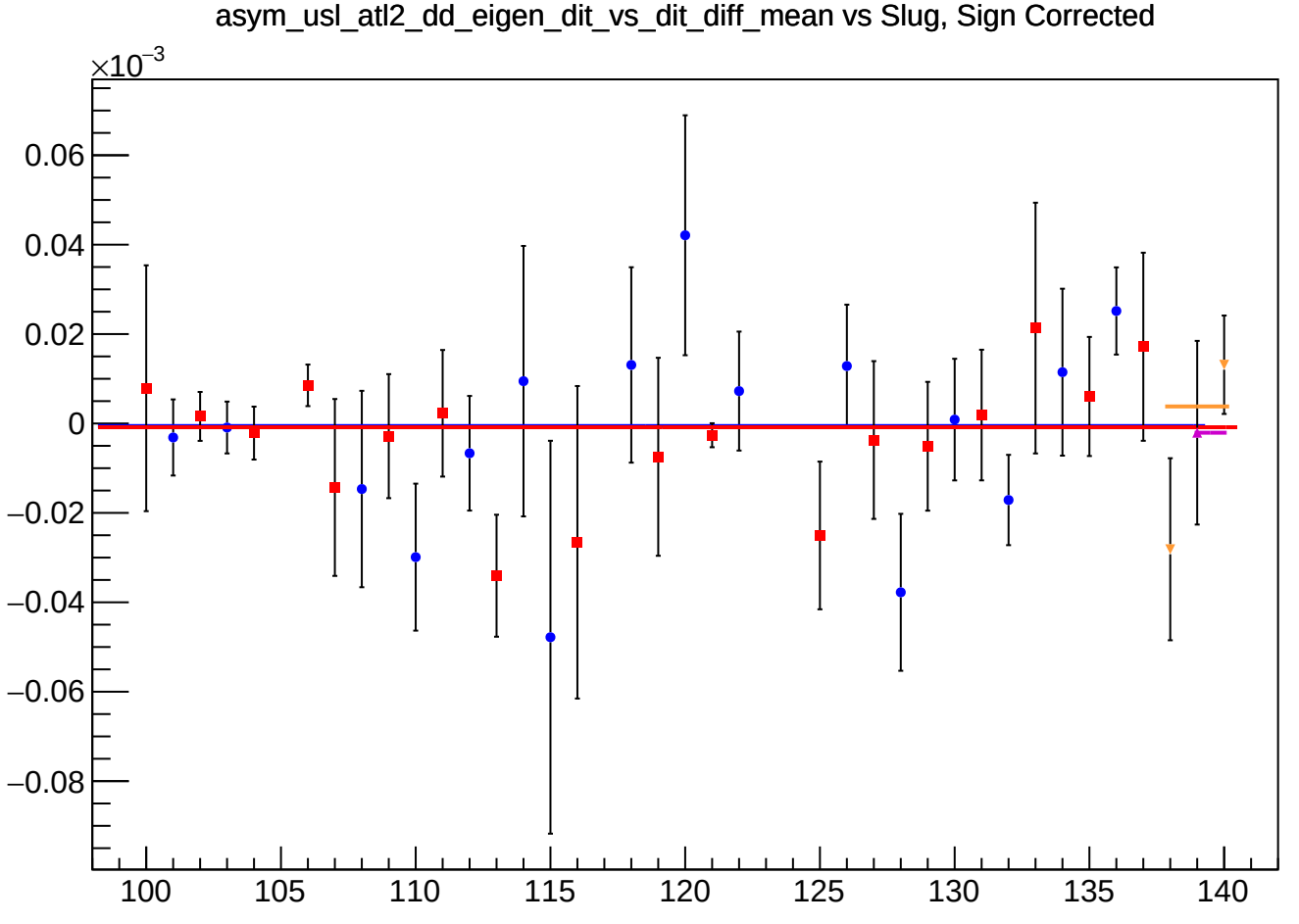
Left: 246.716+/-0.119 χ^2/NDF: 363337.9/2

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 107.035+/-0.029 χ^2/NDF:1316572.1/16

Out: 101.491+/-0.027 χ^2/NDF:2476719.0/19

All: 104.126+/-0.020 χ^2/NDF: 3813066.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

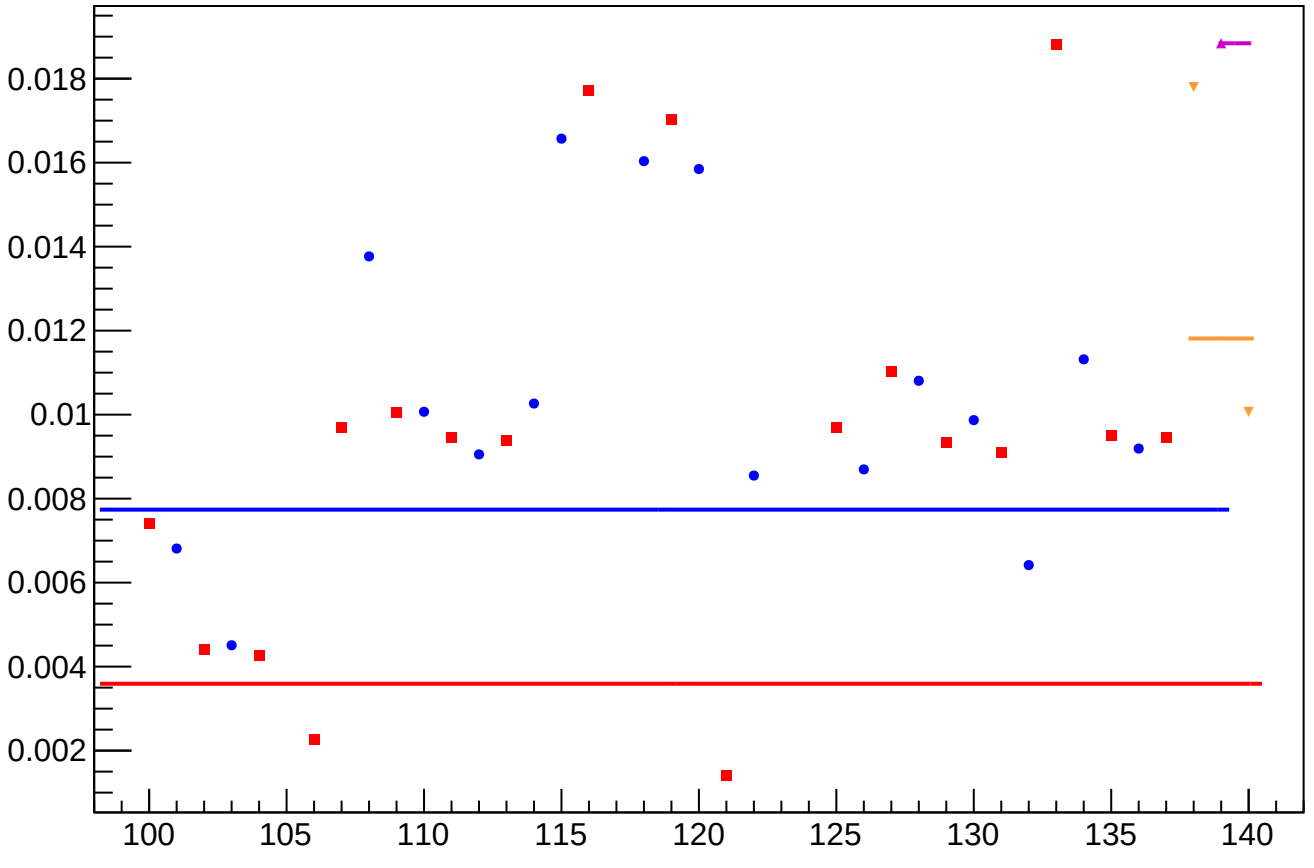
Left: 0.000+/-0.000 χ^2/NDF: 3.2/2

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:24.0/16

Out: -0.000+/-0.000 χ^2/NDF:19.3/19

All: -0.000+/-0.000 χ^2/NDF: 43.2/36



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:223328.3/1

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.019+/-0.000 χ^2/NDF:0.0/0

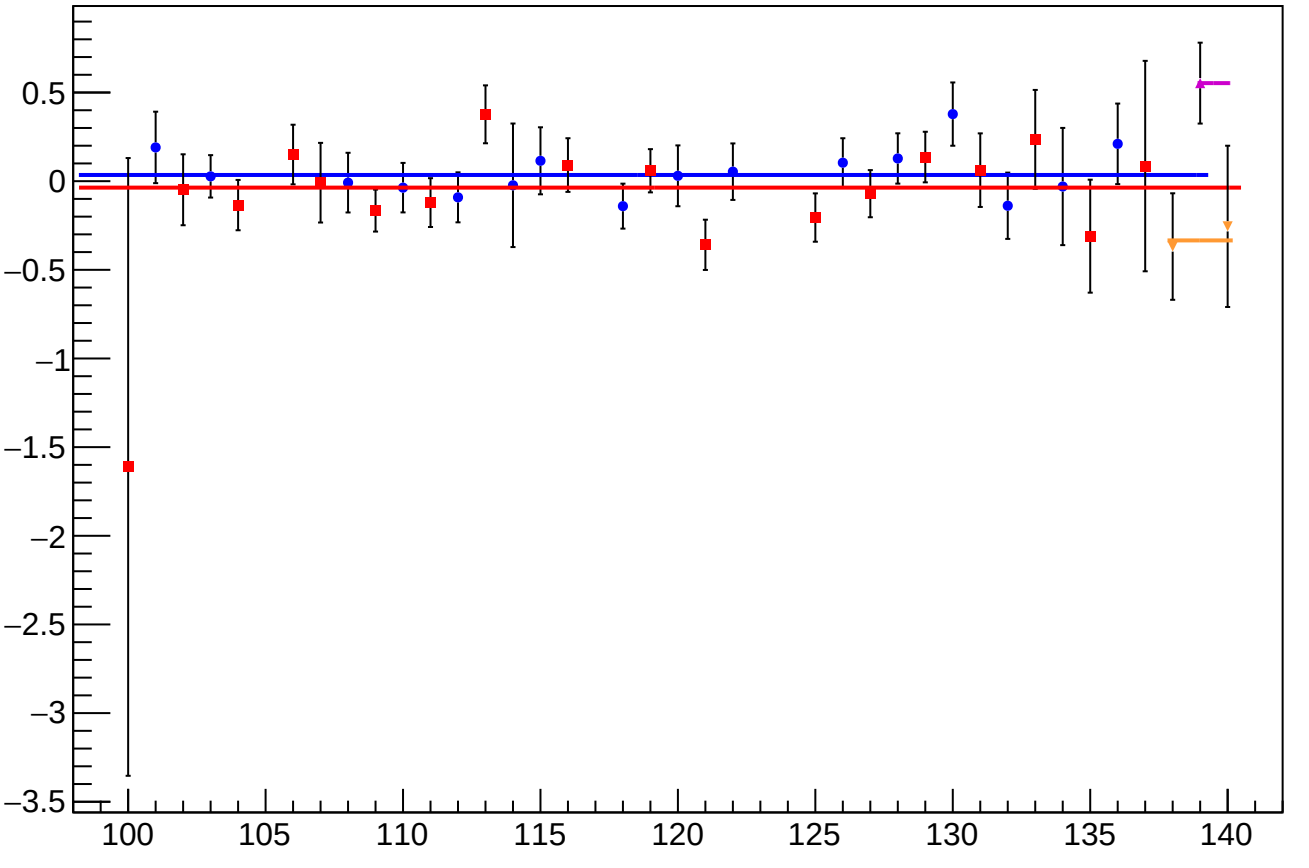
Left: 0.013+/-0.000 χ^2/NDF: 414895.0/2

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.008+/-0.000 χ^2/NDF:2272640.0/16

Out: 0.004+/-0.000 χ^2/NDF:7979670.5/19

All: 0.005+/-0.000 χ^2/NDF: 12901264.4/36



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.334+/-0.251 χ^2/NDF:0.0/1

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.553+/-0.228 χ^2/NDF:0.0/0

Left: 0.151+/-0.169 χ^2/NDF: 6.9/2

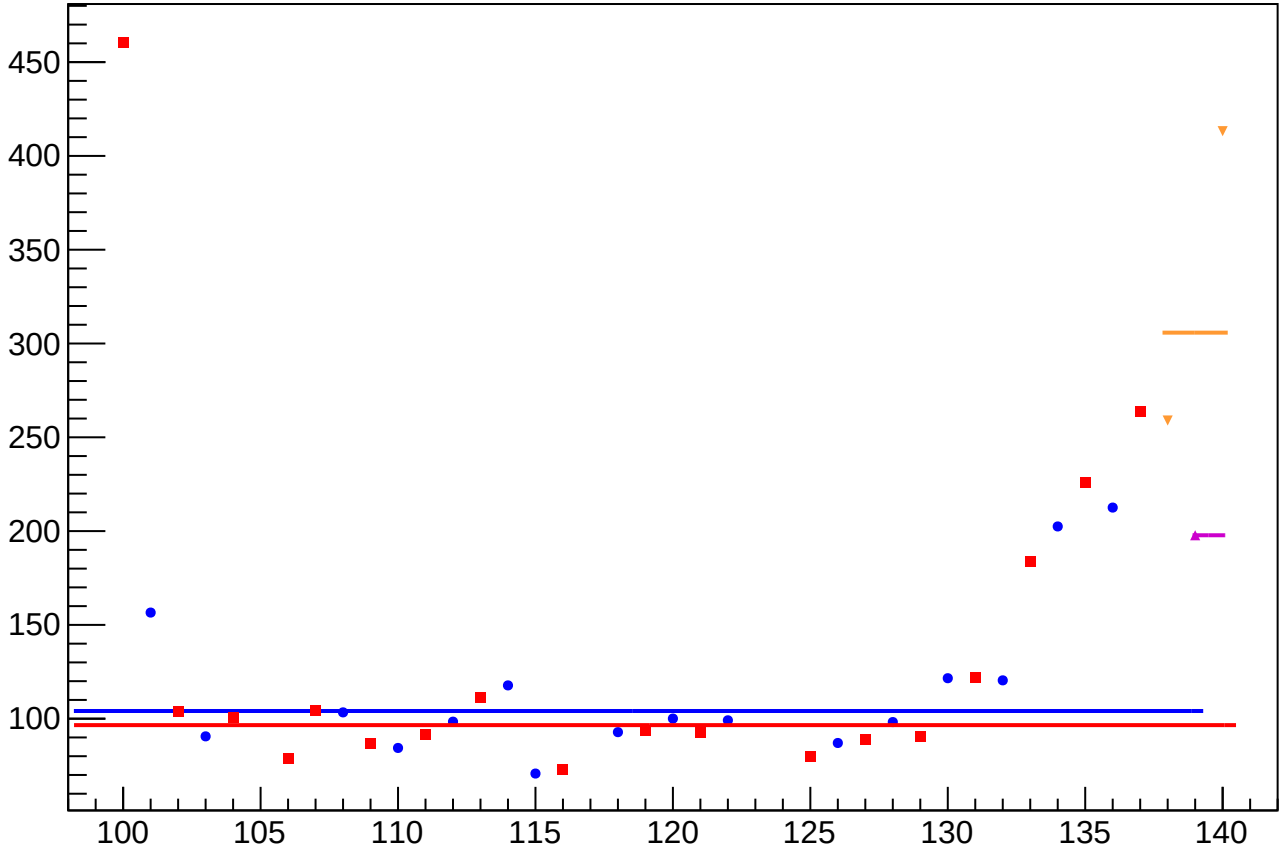
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.051+/-0.040 χ^2/NDF:14.7/16

Out: -0.043+/-0.038 χ^2/NDF:23.5/19

All: 0.002+/-0.028 χ^2/NDF: 41.1/36

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 305.793+/-0.177 χ^2/NDF:160169.7/1

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 197.782+/-0.161 χ^2/NDF:0.0/0

Left: 246.721+/-0.119 χ^2/NDF: 363323.6/2

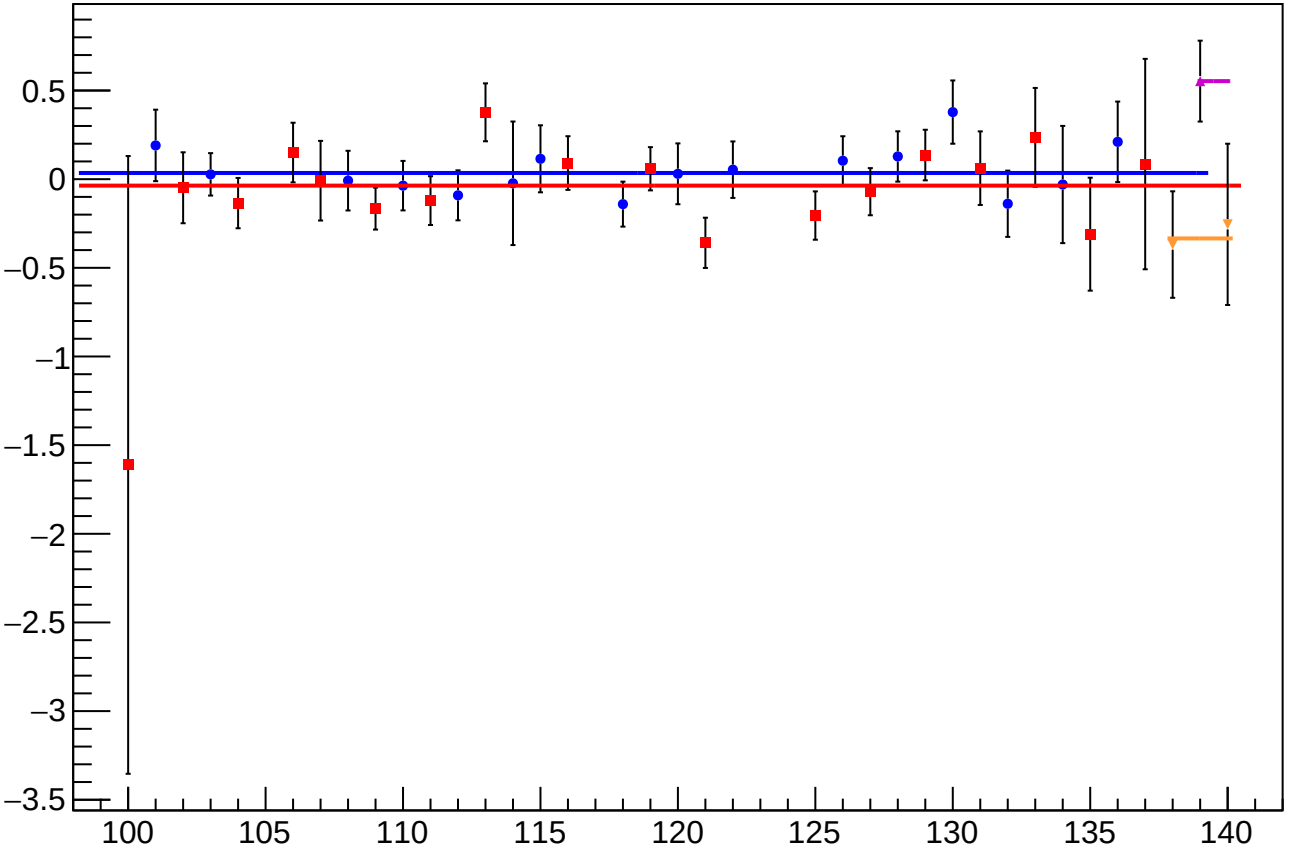
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 107.036+/-0.029 χ^2/NDF:1316539.6/16

Out: 101.492+/-0.027 χ^2/NDF:2476647.6/19

All: 104.127+/-0.020 χ^2/NDF: 3812959.4/36

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.334+/-0.251 χ^2/NDF:0.0/1

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.553+/-0.228 χ^2/NDF:0.0/0

Left: 0.151+/-0.169 χ^2/NDF: 6.9/2

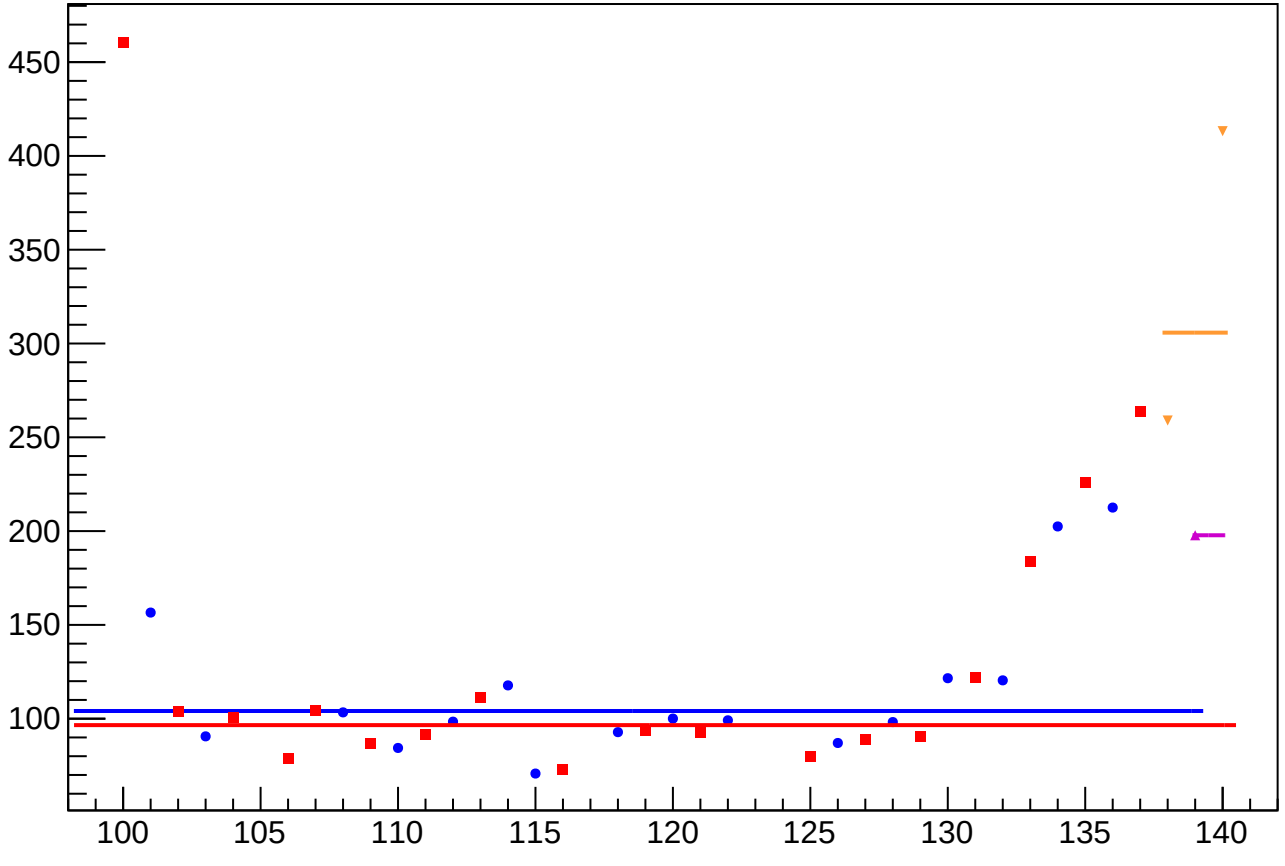
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.051+/-0.040 χ^2/NDF:14.7/16

Out: -0.043+/-0.038 χ^2/NDF:23.5/19

All: 0.002+/-0.028 χ^2/NDF: 41.1/36

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 305.793+/-0.177 χ^2/NDF:160169.7/1

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 197.782+/-0.161 χ^2/NDF:0.0/0

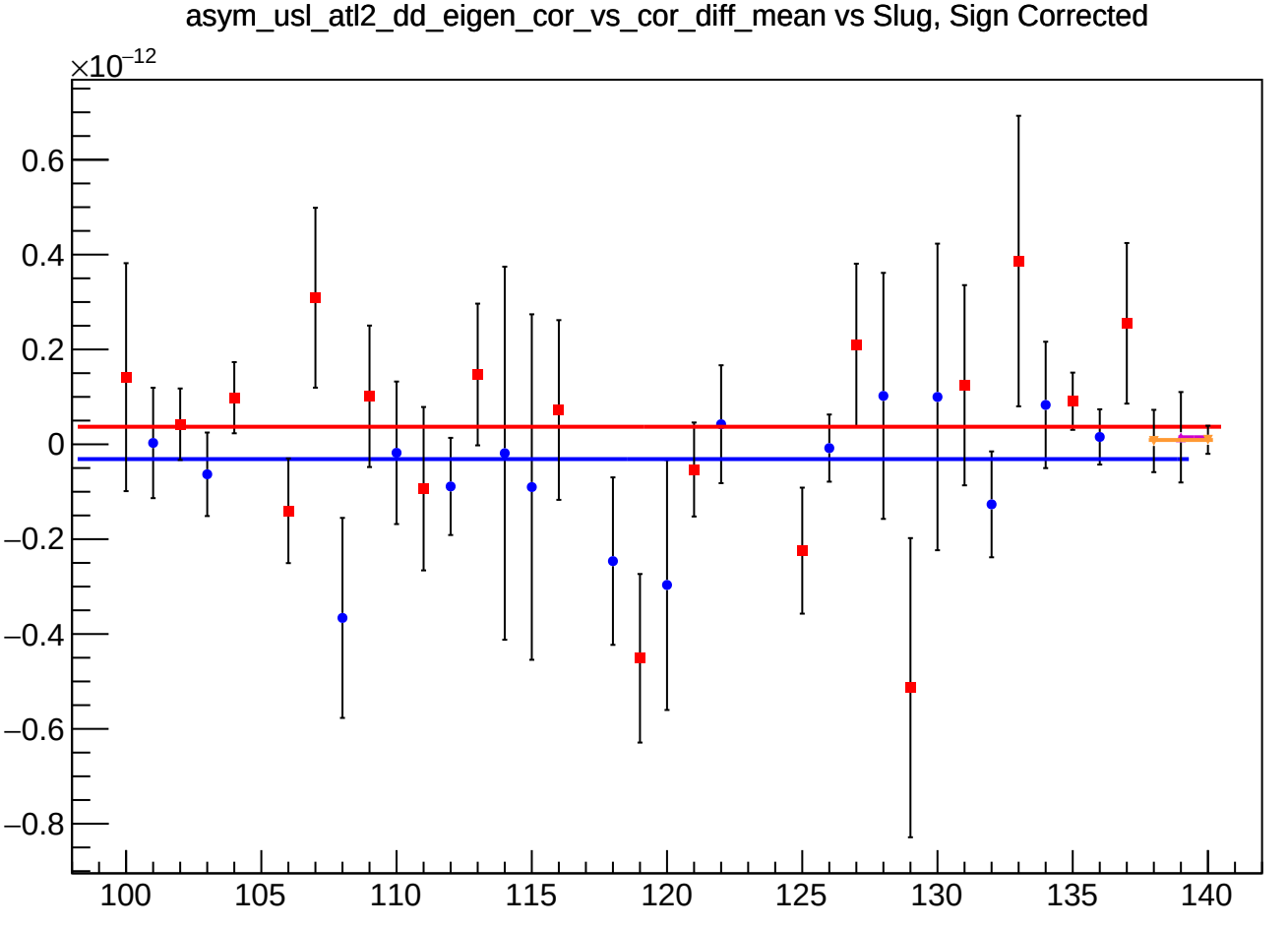
Left: 246.721+/-0.119 χ^2/NDF: 363323.6/2

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 107.036+/-0.029 χ^2/NDF:1316539.6/16

Out: 101.492+/-0.027 χ^2/NDF:2476647.6/19

All: 104.127+/-0.020 χ^2/NDF: 3812959.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

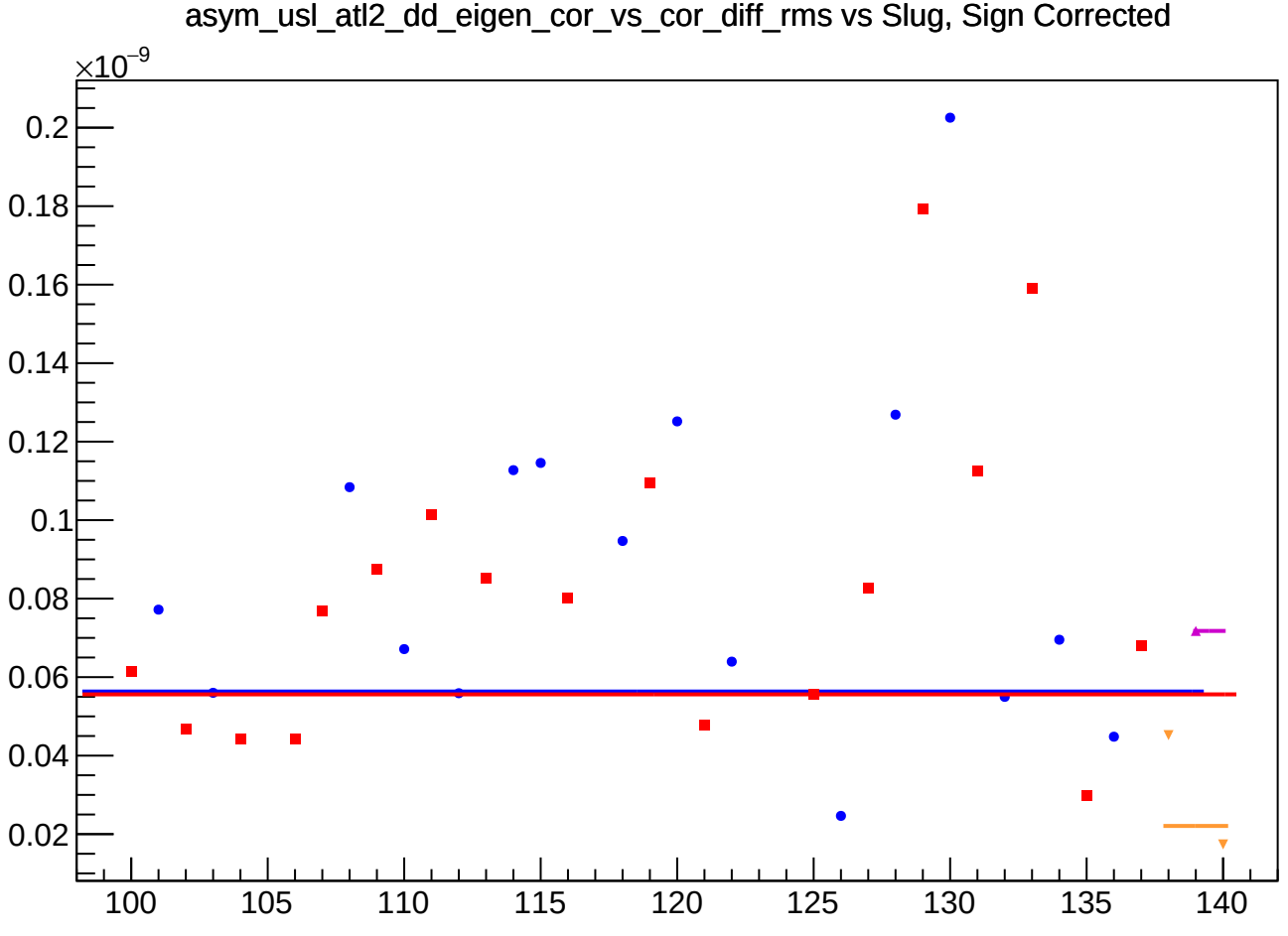
Left: 0.000+/-0.000 χ^2/NDF: 0.0/2

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:8.8/16

Out: 0.000+/-0.000 χ^2/NDF:27.6/19

All: 0.000+/-0.000 χ^2/NDF: 38.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:298558.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

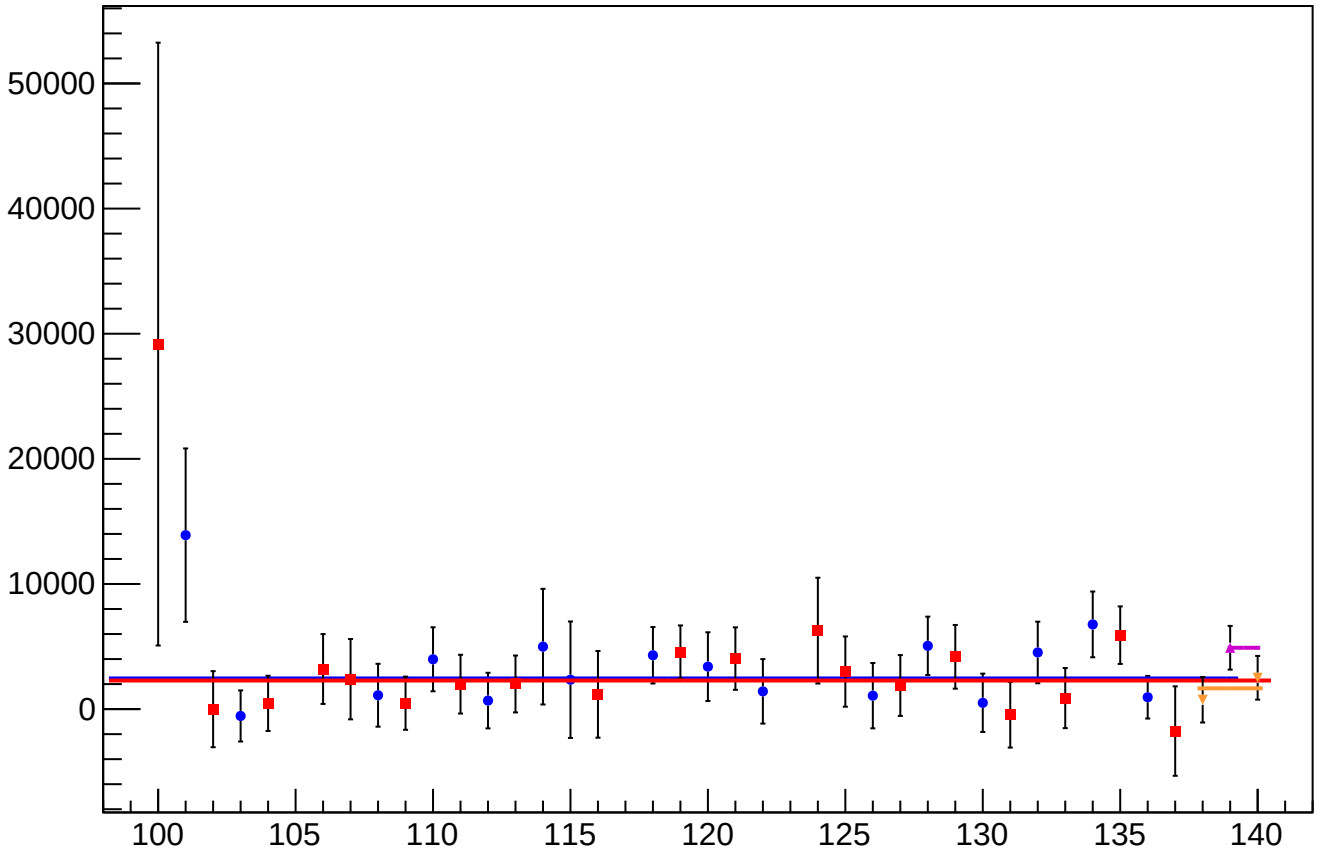
Left: 0.000+/-0.000 χ^2/NDF: 801623.6/2

Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:1630567.2/16

Out: 0.000+/-0.000 χ^2/NDF:3511370.0/19

All: 0.000+/-0.000 χ^2/NDF: 5810852.9/36



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1661.399+/-1259.888 χ^2/NDF:0.5/1

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 4902.833+/-1747.622 χ^2/NDF:0.0/0

Left: 2769.917+/-1021.999 χ^2/NDF: 2.7/2

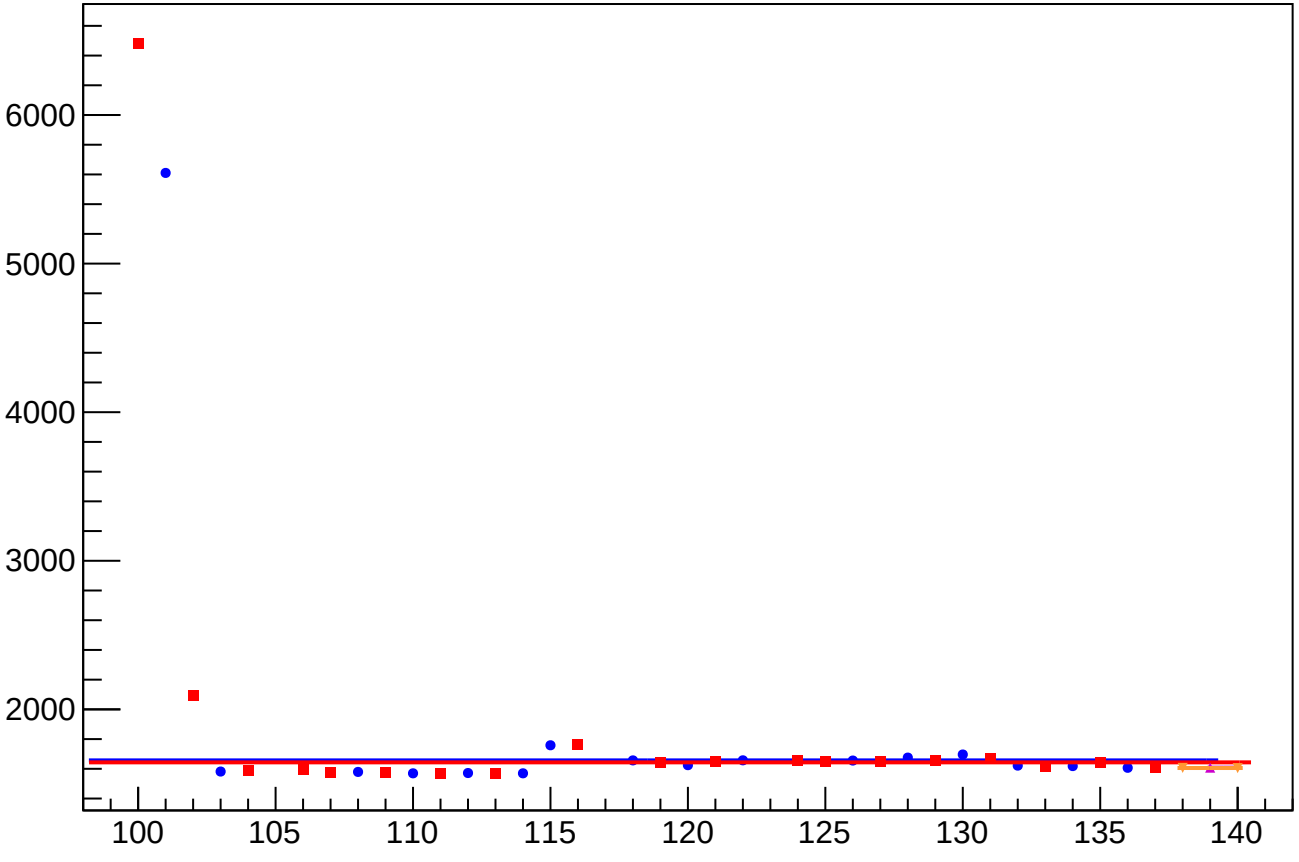
Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2732.241+/-592.862 χ^2/NDF:15.6/16

Out: 2168.116+/-548.418 χ^2/NDF:12.5/20

All: 2428.244+/-402.586 χ^2/NDF: 28.6/37

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1605.401+/-0.891 χ^2/NDF:0.8/1

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1607.916+/-1.236 χ^2/NDF:0.0/0

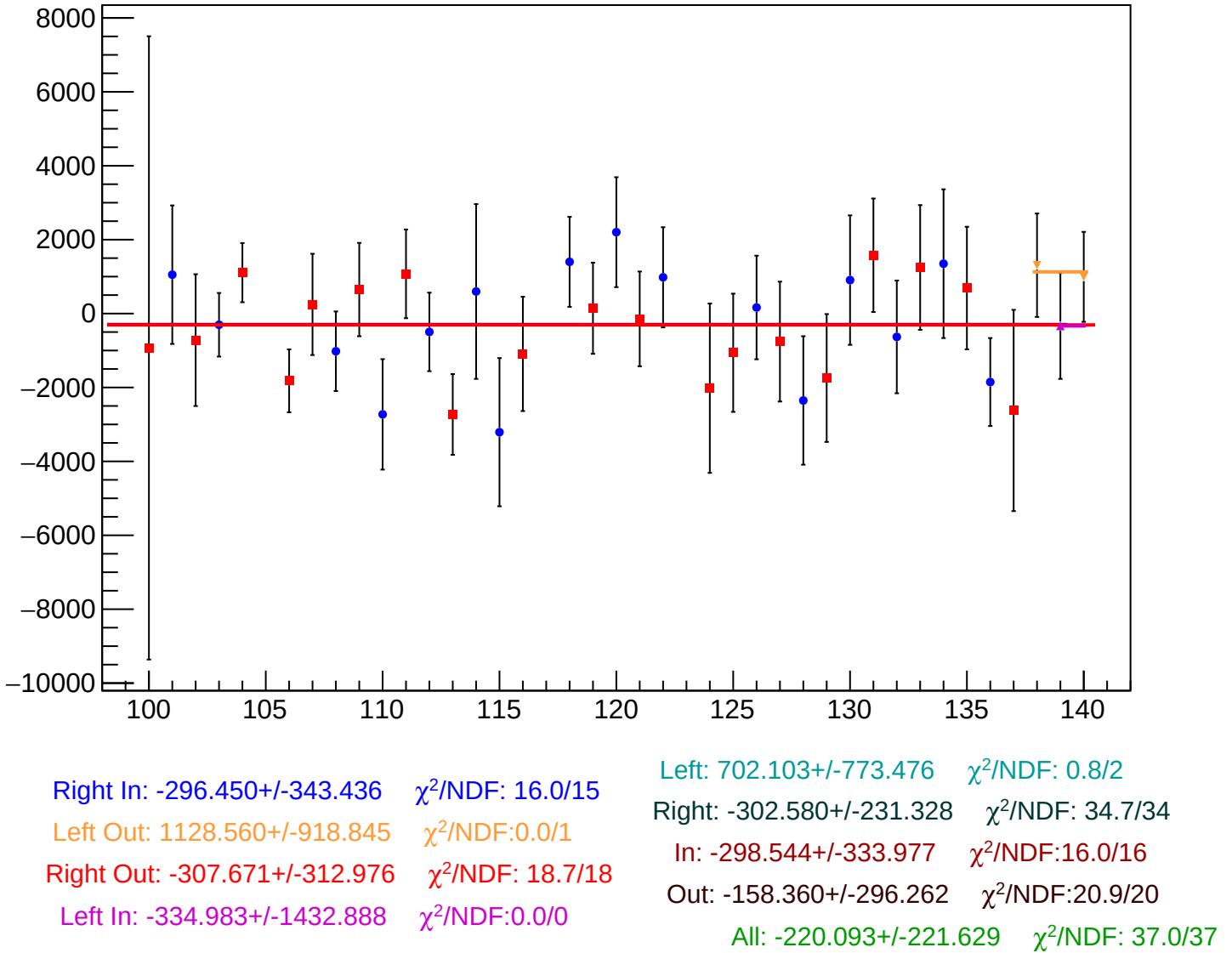
Left: 1606.261+/-0.723 χ^2/NDF: 3.5/2

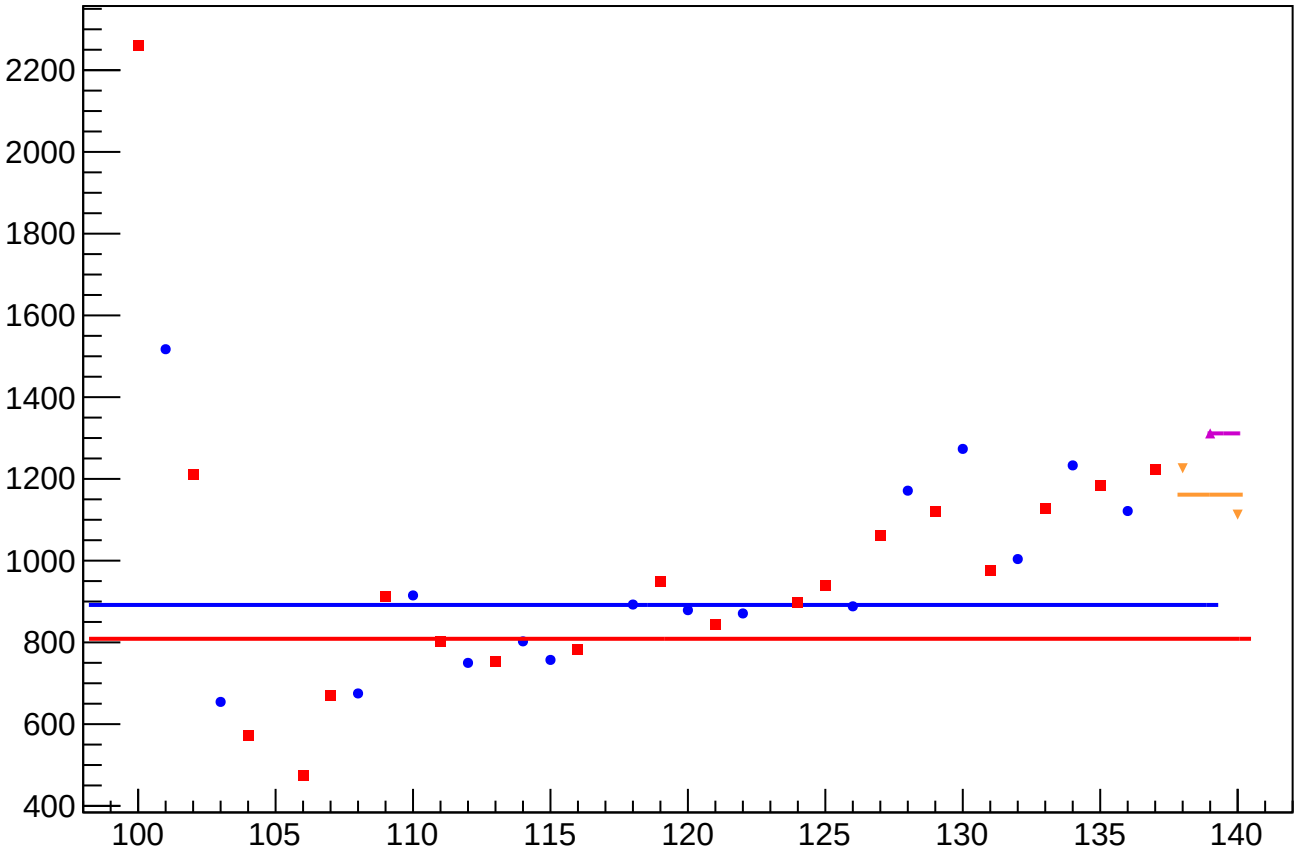
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1651.071+/-0.419 χ^2/NDF:667604.3/16

Out: 1636.224+/-0.388 χ^2/NDF:138475.6/20

All: 1643.070+/-0.285 χ^2/NDF: 806755.8/37


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
105
110
115
120
125
130
135
140
Right In: -296.450+/-343.436 χ²/NDF: 16.0/15
Left Out: 1128.560+/-918.845 χ²/NDF:0.0/1
Right Out: -307.671+/-312.976 χ²/NDF: 18.7/18
Left In: -334.983+/-1432.888 χ²/NDF:0.0/0
Left: 702.103+/-773.476 χ²/NDF: 0.8/2
Right: -302.580+/-231.328 χ²/NDF: 34.7/34
In: -298.544+/-333.977 χ²/NDF:16.0/16
Out: -158.360+/-296.262 χ²/NDF:20.9/20
All: -220.093+/-221.629 χ²/NDF: 37.0/37



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 1161.446+/-0.650 χ^2/NDF:7472.9/1

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 1311.344+/-1.013 χ^2/NDF:0.0/0

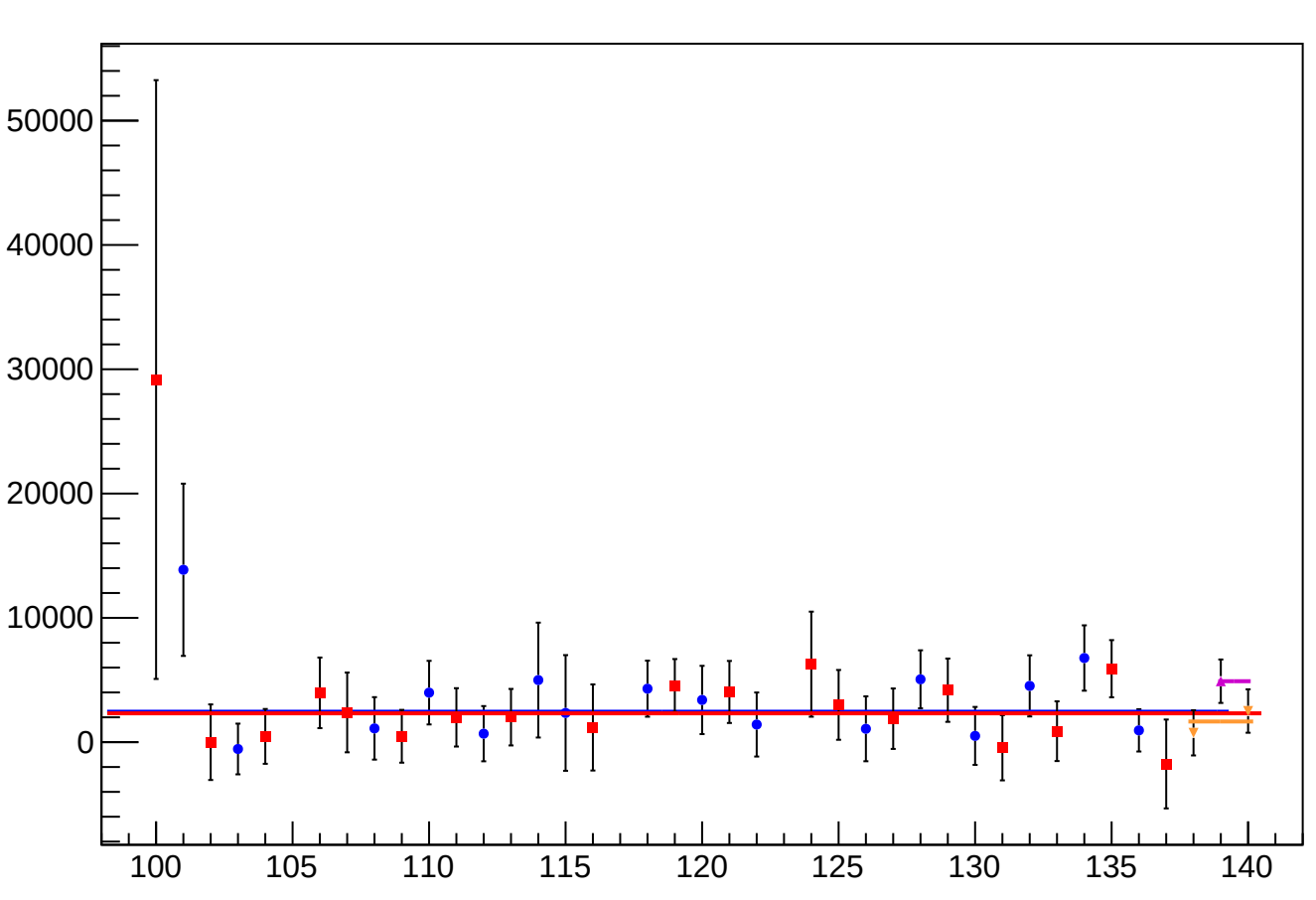
Left: 1205.124+/-0.547 χ^2/NDF: 22982.7/2

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 914.434+/-0.236 χ^2/NDF:956170.5/16

Out: 845.469+/-0.209 χ^2/NDF:1355268.6/20

All: 875.839+/-0.157 χ^2/NDF: 2359164.9/37



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1661.423+/-1259.888 χ^2/NDF:0.5/1

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 4903.173+/-1747.622 χ^2/NDF:0.0/0

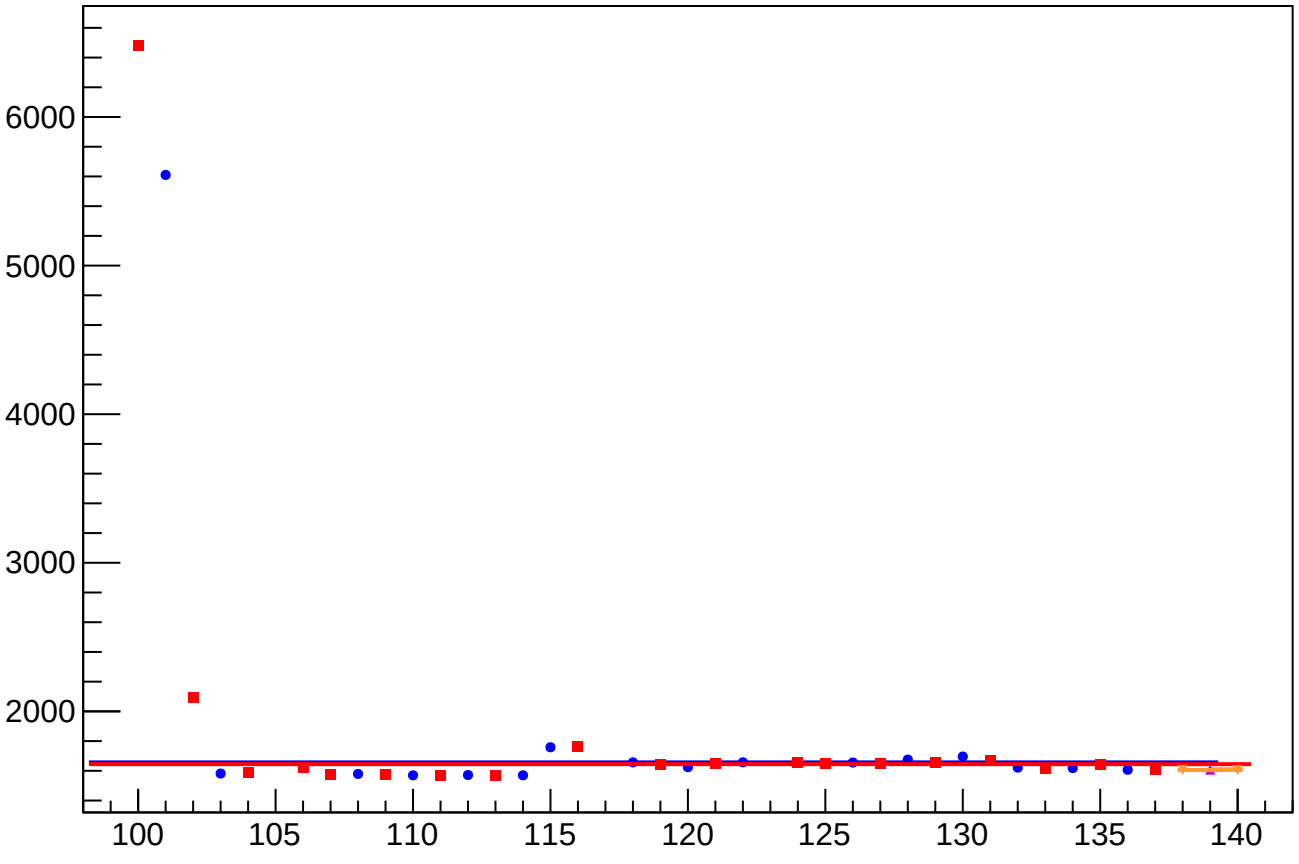
Left: 2770.049+/-1021.999 χ^2/NDF: 2.7/2

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2731.786+/-592.862 χ^2/NDF:15.6/16

Out: 2195.514+/-548.783 χ^2/NDF:12.8/20

All: 2442.975+/-402.730 χ^2/NDF: 28.8/37



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1605.401+/-0.891 χ^2/NDF:0.8/1

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1607.916+/-1.236 χ^2/NDF:0.0/0

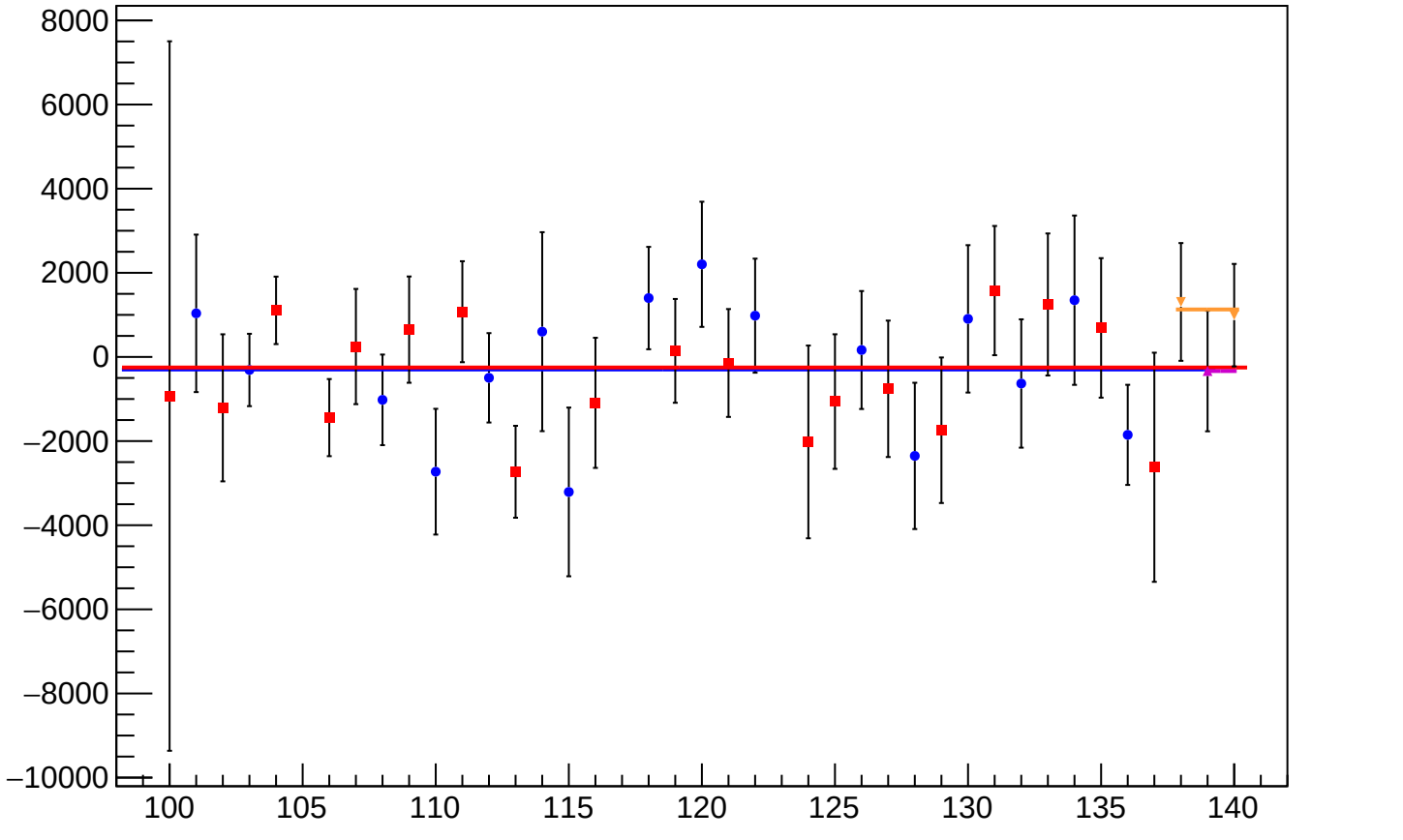
Left: 1606.261+/-0.723 χ^2/NDF: 3.5/2

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1651.071+/-0.419 χ^2/NDF:667603.8/16

Out: 1637.270+/-0.388 χ^2/NDF:138063.3/20

All: 1643.638+/-0.285 χ^2/NDF: 806250.8/37



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1128.587+/-918.840 χ^2/NDF:0.0/1

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -335.054+/-1432.906 χ^2/NDF:0.0/0

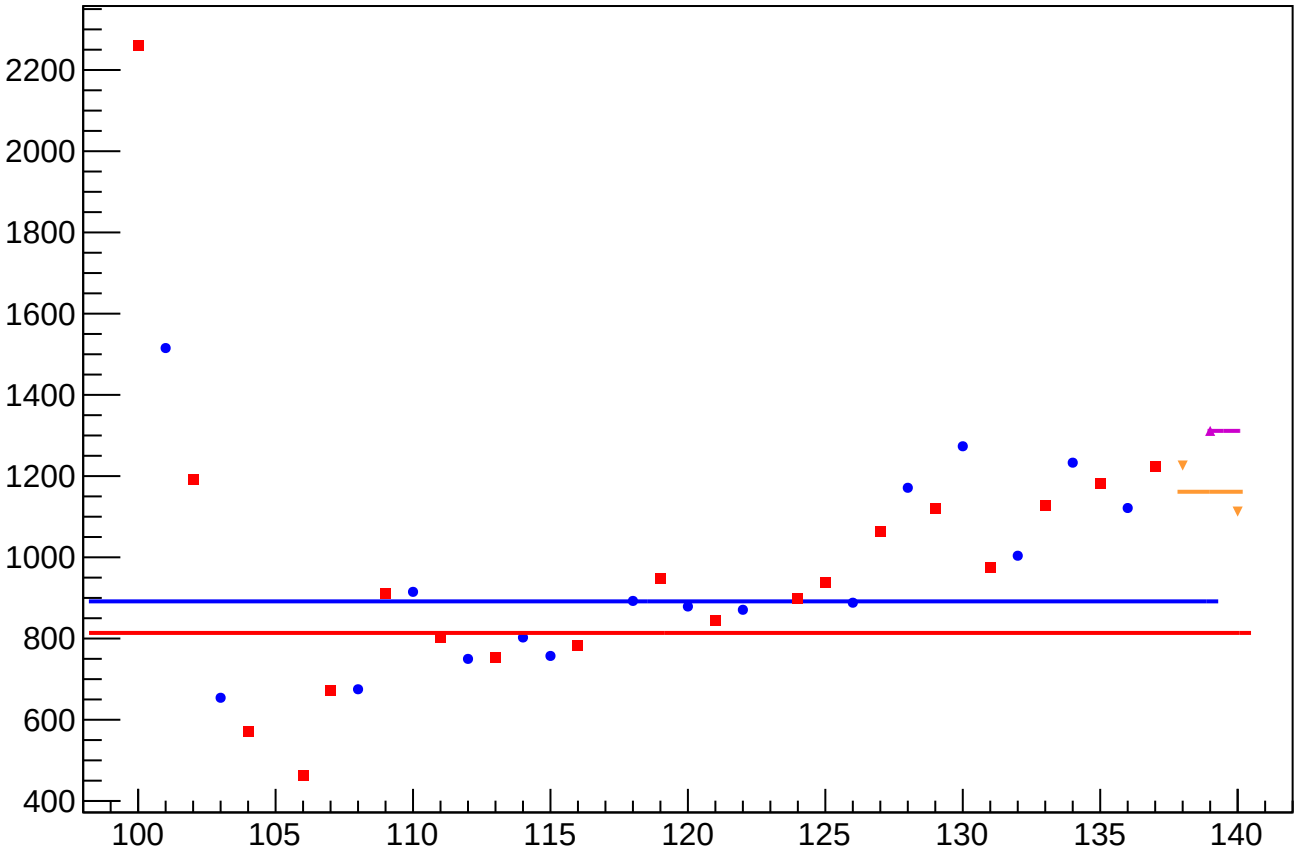
Left: 702.112+/-773.476 χ^2/NDF: 0.8/2

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -299.818+/-333.936 χ^2/NDF:15.9/16

Out: -105.500+/-298.610 χ^2/NDF:19.3/20

All: -191.840+/-222.594 χ^2/NDF: 35.4/37



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 1161.438+/-0.650 χ^2/NDF:7472.9/1

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 1311.359+/-1.013 χ^2/NDF:0.0/0

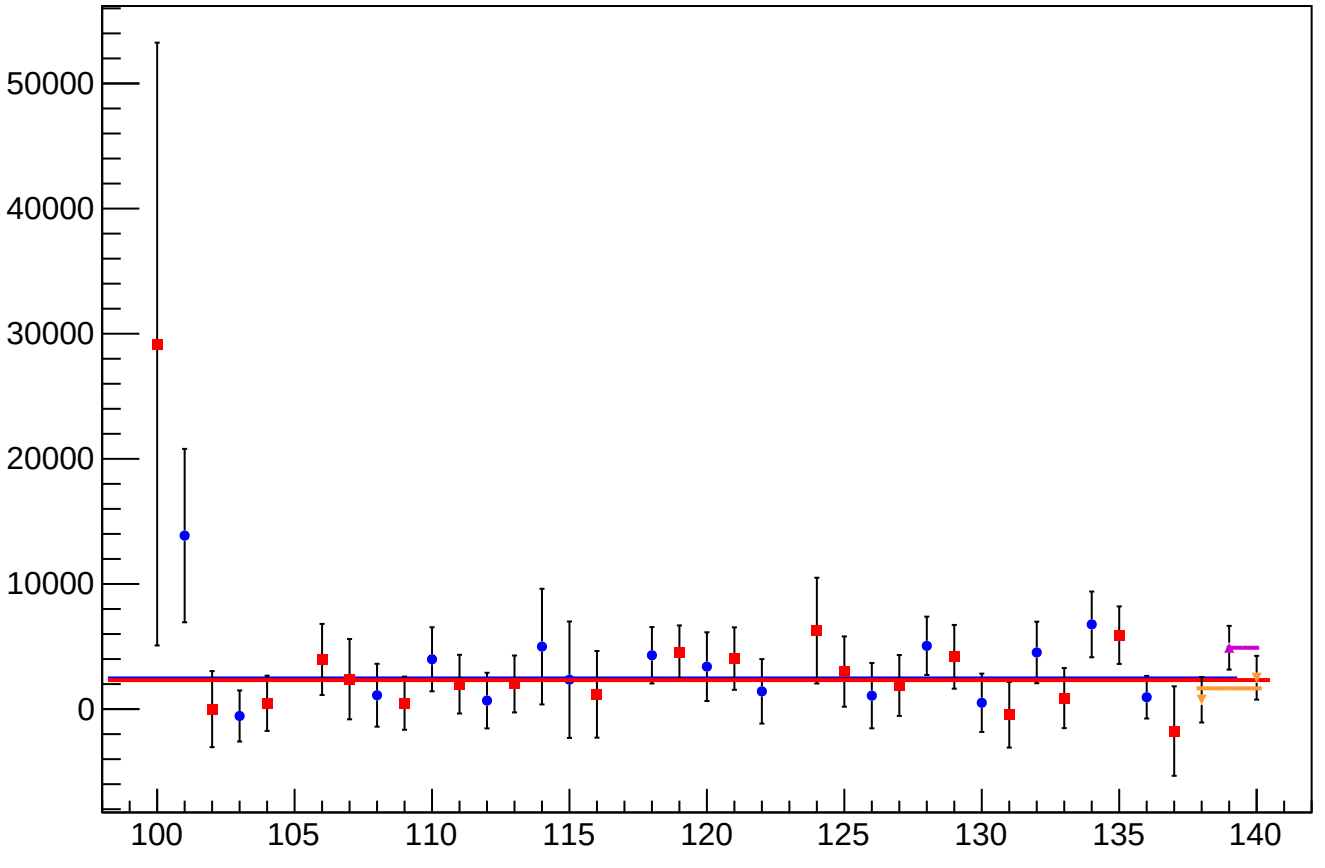
Left: 1205.122+/-0.547 χ^2/NDF: 22987.2/2

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 914.334+/-0.236 χ^2/NDF:956018.1/16

Out: 850.522+/-0.211 χ^2/NDF:1316506.7/20

All: 878.876+/-0.157 χ^2/NDF: 2313106.1/37



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1661.423+/-1259.888 χ^2/NDF:0.5/1

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 4903.173+/-1747.622 χ^2/NDF:0.0/0

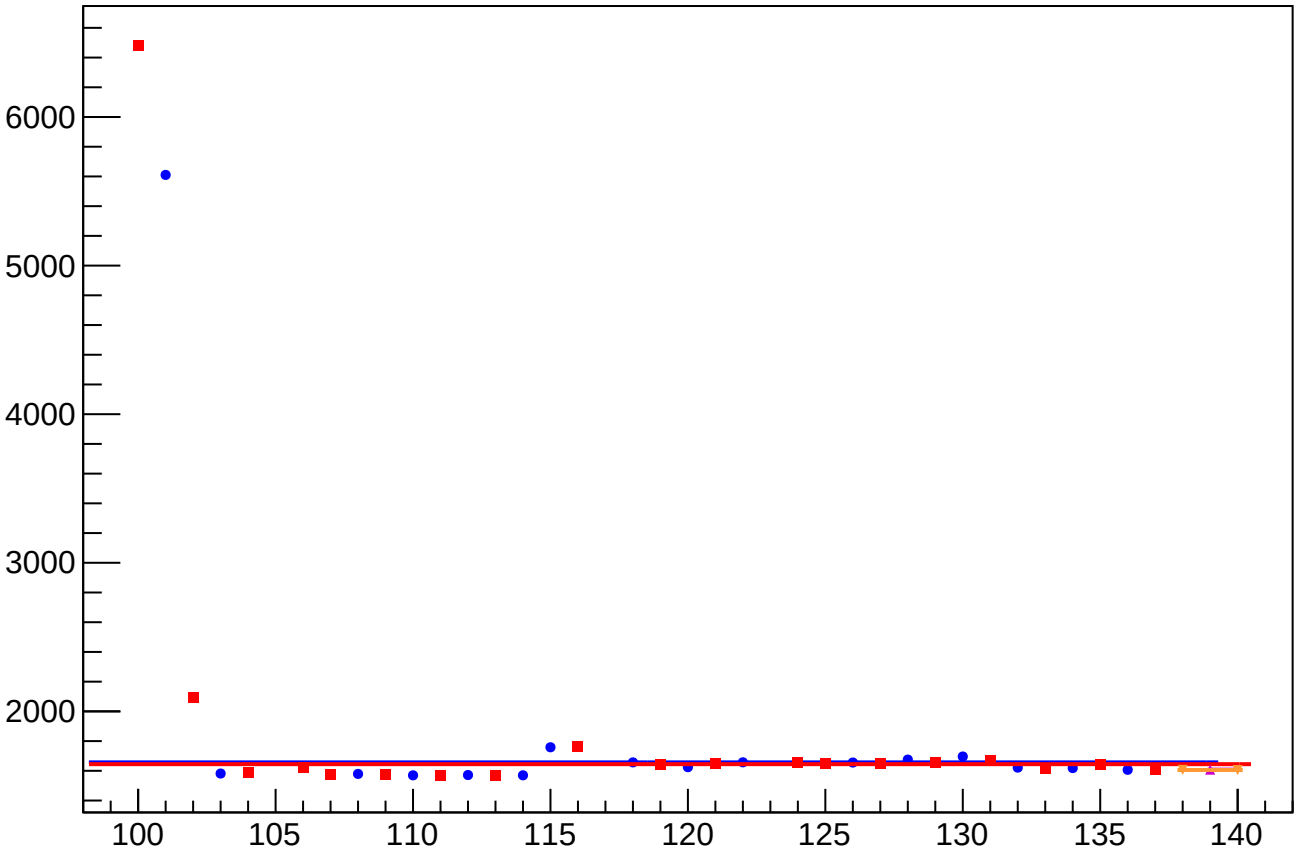
Left: 2770.049+/-1021.999 χ^2/NDF: 2.7/2

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2731.786+/-592.862 χ^2/NDF:15.6/16

Out: 2195.514+/-548.783 χ^2/NDF:12.8/20

All: 2442.975+/-402.730 χ^2/NDF: 28.8/37



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1605.401+/-0.891 χ^2/NDF:0.8/1

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1607.916+/-1.236 χ^2/NDF:0.0/0

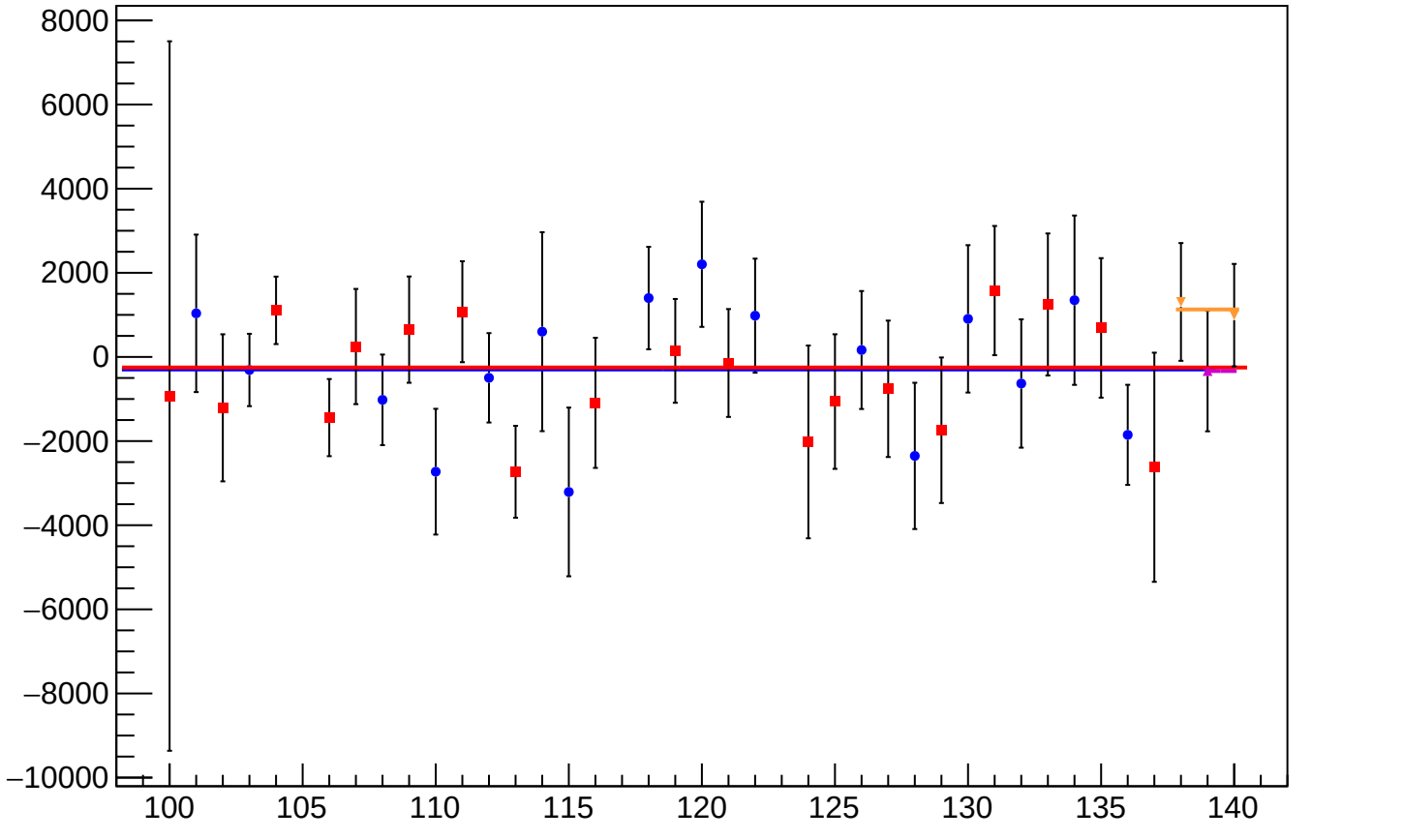
Left: 1606.261+/-0.723 χ^2/NDF: 3.5/2

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1651.071+/-0.419 χ^2/NDF:667603.8/16

Out: 1637.270+/-0.388 χ^2/NDF:138063.3/20

All: 1643.638+/-0.285 χ^2/NDF: 806250.8/37



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1128.587+/-918.840 χ^2/NDF:0.0/1

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -335.054+/-1432.906 χ^2/NDF:0.0/0

Left: 702.112+/-773.476 χ^2/NDF: 0.8/2

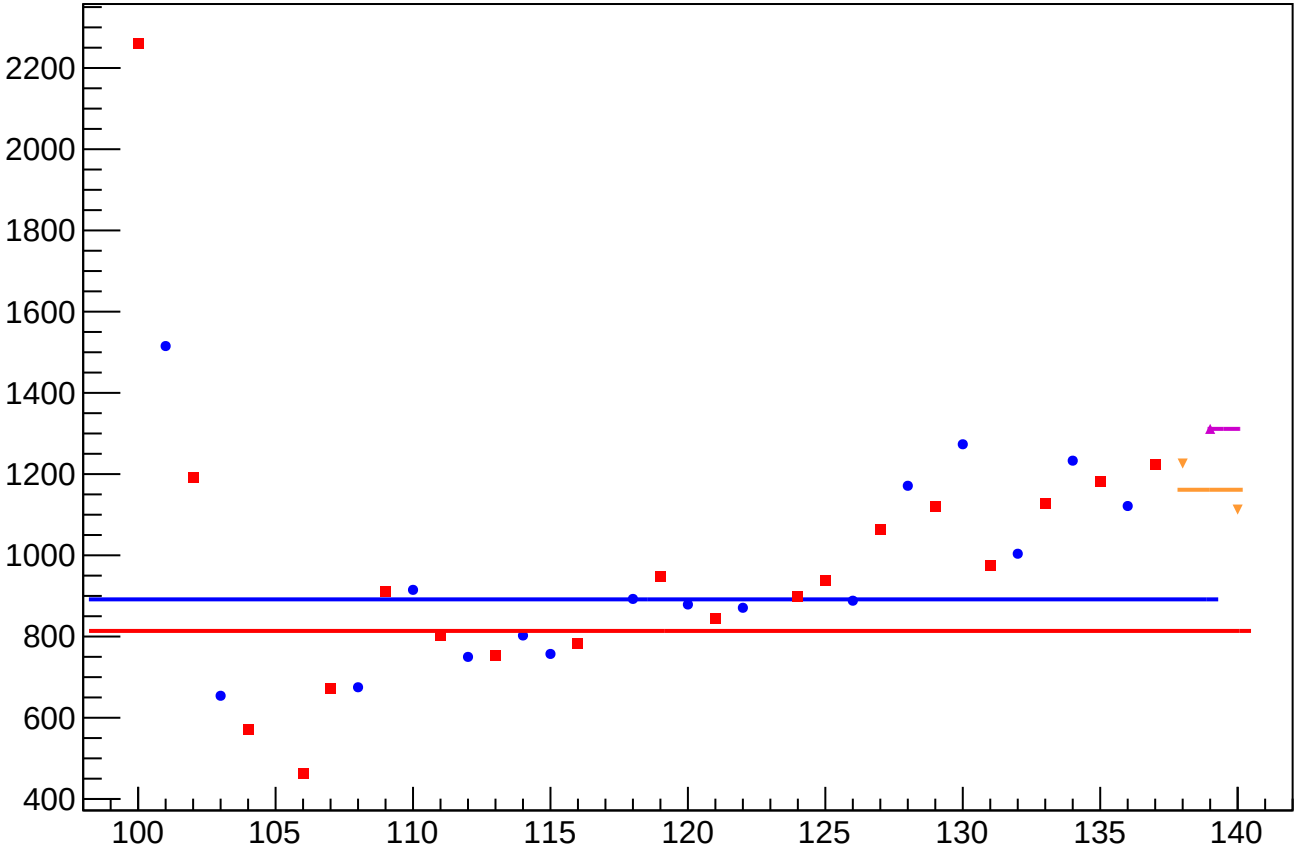
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -299.818+/-333.936 χ^2/NDF:15.9/16

Out: -105.500+/-298.610 χ^2/NDF:19.3/20

All: -191.840+/-222.594 χ^2/NDF: 35.4/37

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: 1161.438+/-0.650 χ^2/NDF:7472.9/1

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 1311.359+/-1.013 χ^2/NDF:0.0/0

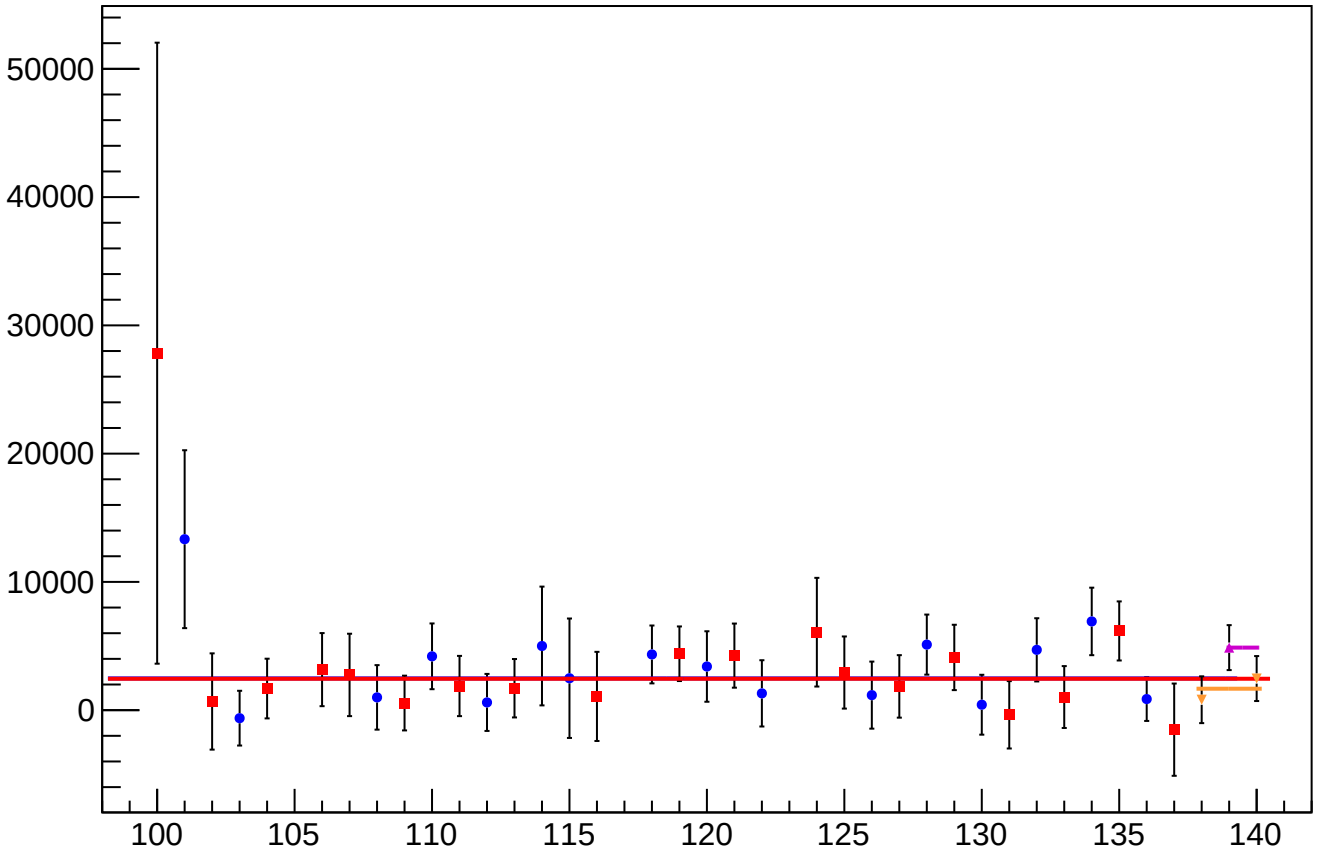
Left: 1205.122+/-0.547 χ^2/NDF: 22987.2/2

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 914.334+/-0.236 χ^2/NDF:956018.1/16

Out: 850.522+/-0.211 χ^2/NDF:1316506.7/20

All: 878.876+/-0.157 χ^2/NDF: 2313106.1/37



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1672.517+/-1263.773 χ^2/NDF:0.4/1

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 4877.191+/-1752.413 χ^2/NDF:0.0/0

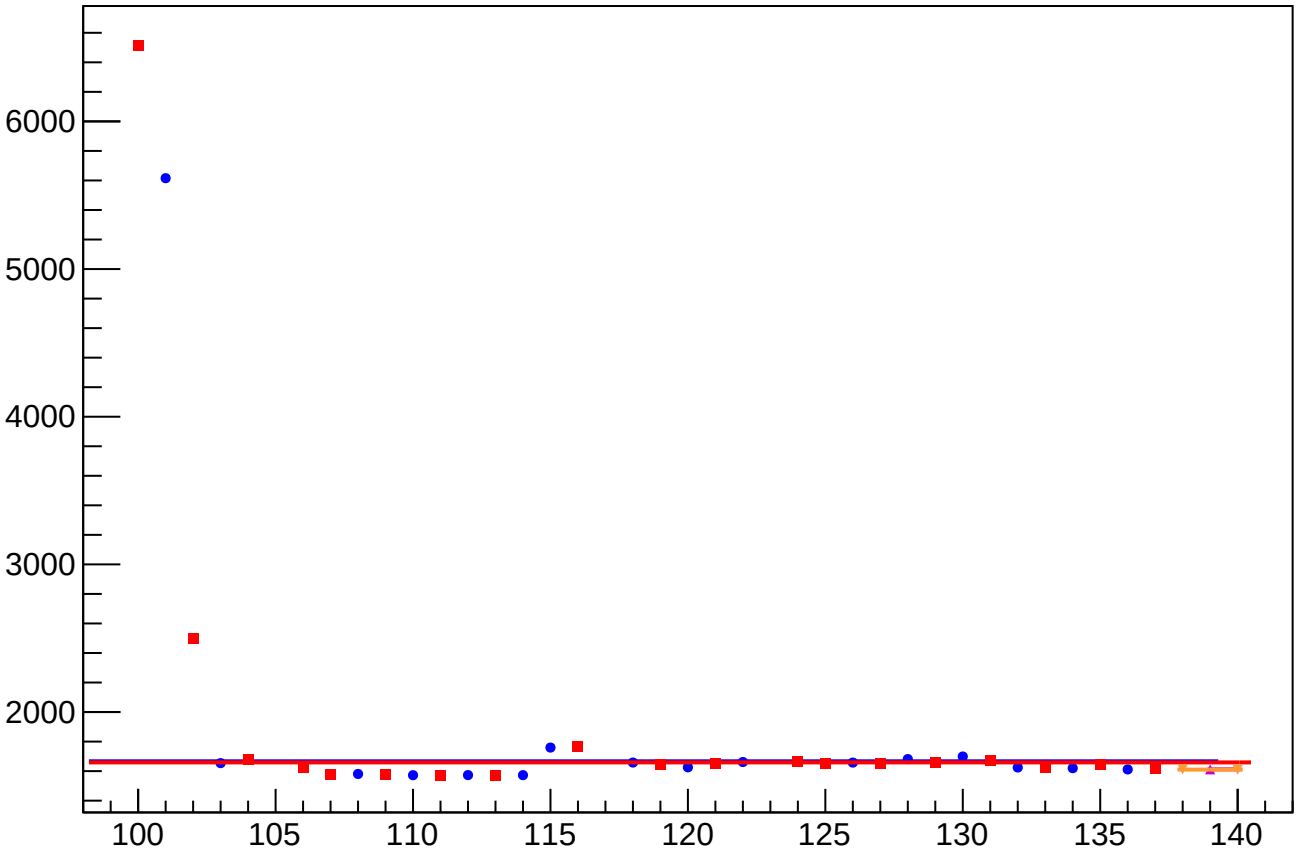
Left: 2768.956+/-1025.031 χ^2/NDF: 2.6/2

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2753.129+/-596.071 χ^2/NDF:15.9/16

Out: 2299.378+/-554.835 χ^2/NDF:11.3/20

All: 2510.017+/-406.124 χ^2/NDF: 27.5/37



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.335+/-0.894 χ^2/NDF:1.4/1

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1612.195+/-1.239 χ^2/NDF:0.0/0

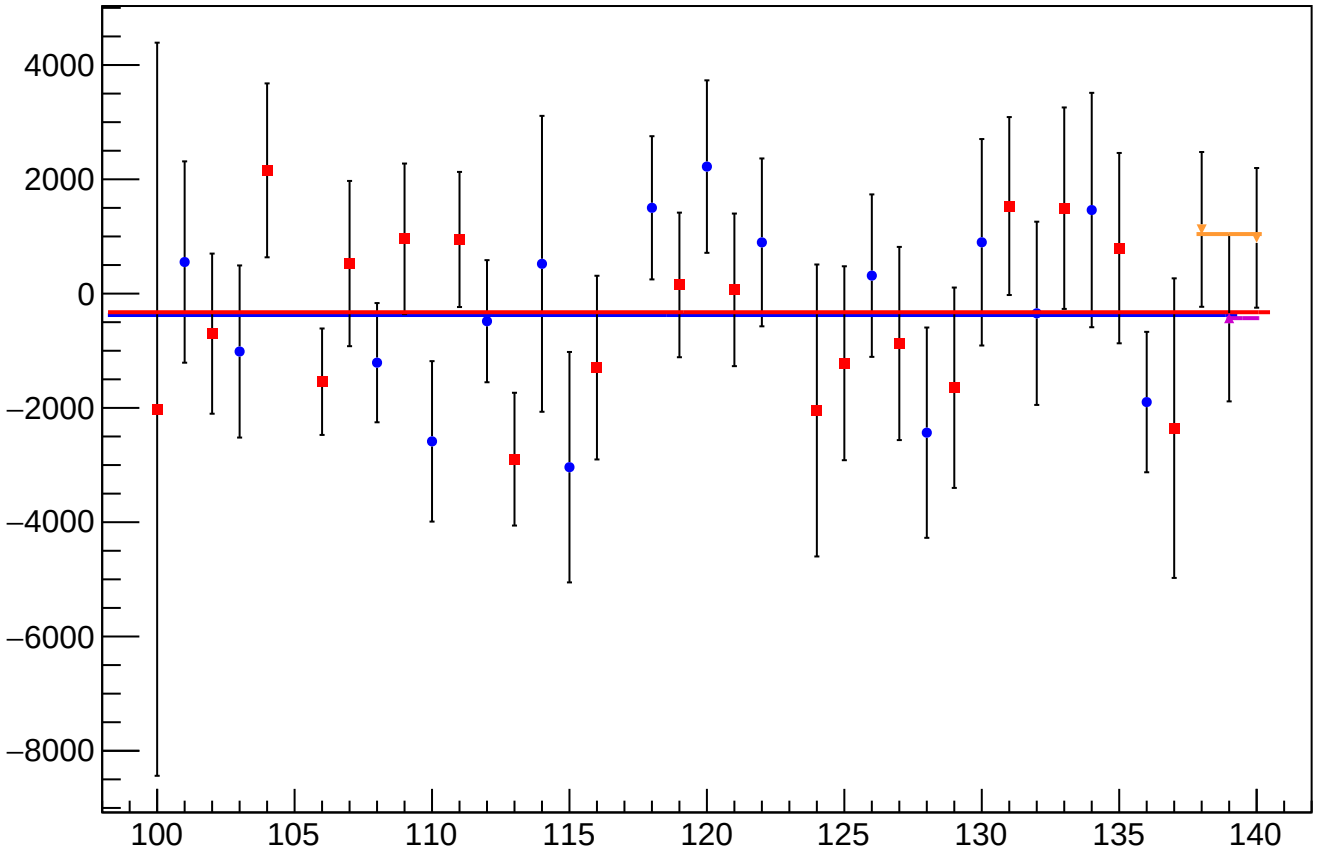
Left: 1610.971+/-0.725 χ^2/NDF: 2.8/2

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1660.128+/-0.421 χ^2/NDF:664606.7/16

Out: 1649.624+/-0.392 χ^2/NDF:195619.6/20

All: 1654.500+/-0.287 χ^2/NDF: 860559.1/37



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 1041.979+/-907.288 χ^2/NDF:0.0/1

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: -429.434+/-1456.508 χ^2/NDF:0.0/0

Left: 630.639+/-770.098 χ^2/NDF: 0.7/2

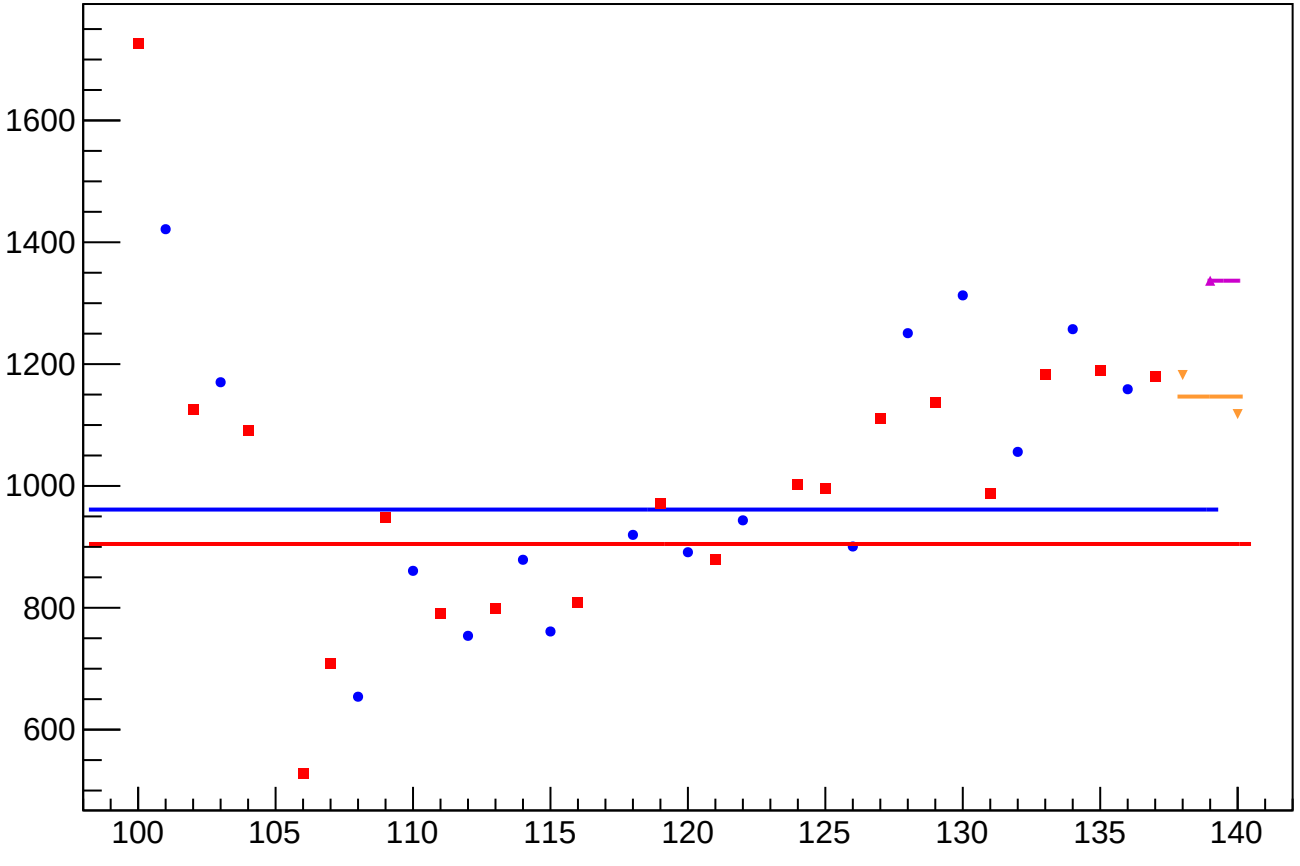
Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -377.882+/-356.737 χ^2/NDF:15.7/16

Out: -156.720+/-318.888 χ^2/NDF:19.4/20

All: -254.950+/-237.747 χ^2/NDF: 35.3/37

asym_usr_atr1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1146.732+/-0.642 χ^2/NDF:2469.5/1

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 1336.922+/-1.030 χ^2/NDF:0.0/0

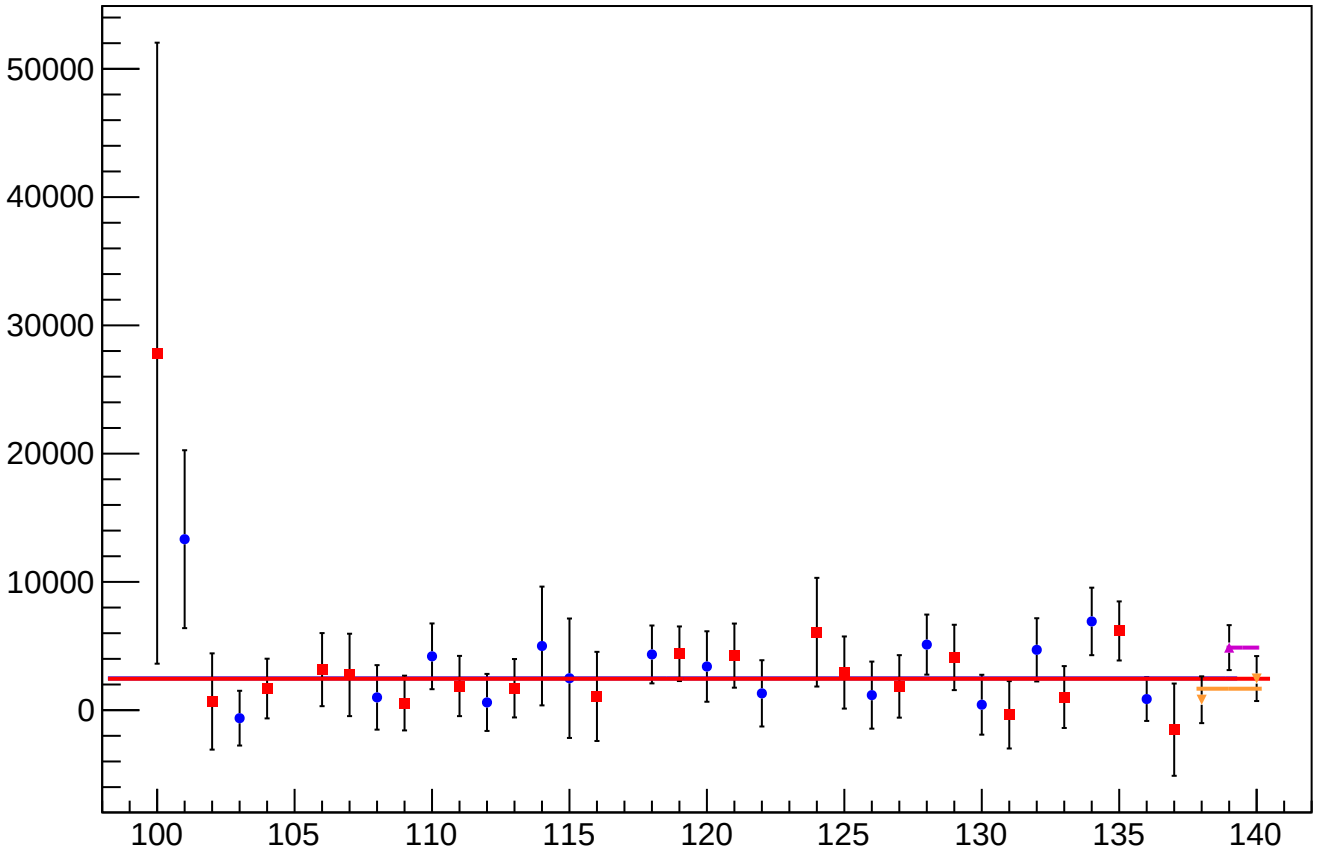
Left: 1199.900+/-0.545 χ^2/NDF: 27038.2/2

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 983.779+/-0.252 χ^2/NDF:816950.7/16

Out: 934.631+/-0.225 χ^2/NDF:863660.6/20

All: 956.460+/-0.168 χ^2/NDF: 1701712.3/37



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1672.518+/-1263.773 χ^2/NDF:0.4/1

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 4877.185+/-1752.413 χ^2/NDF:0.0/0

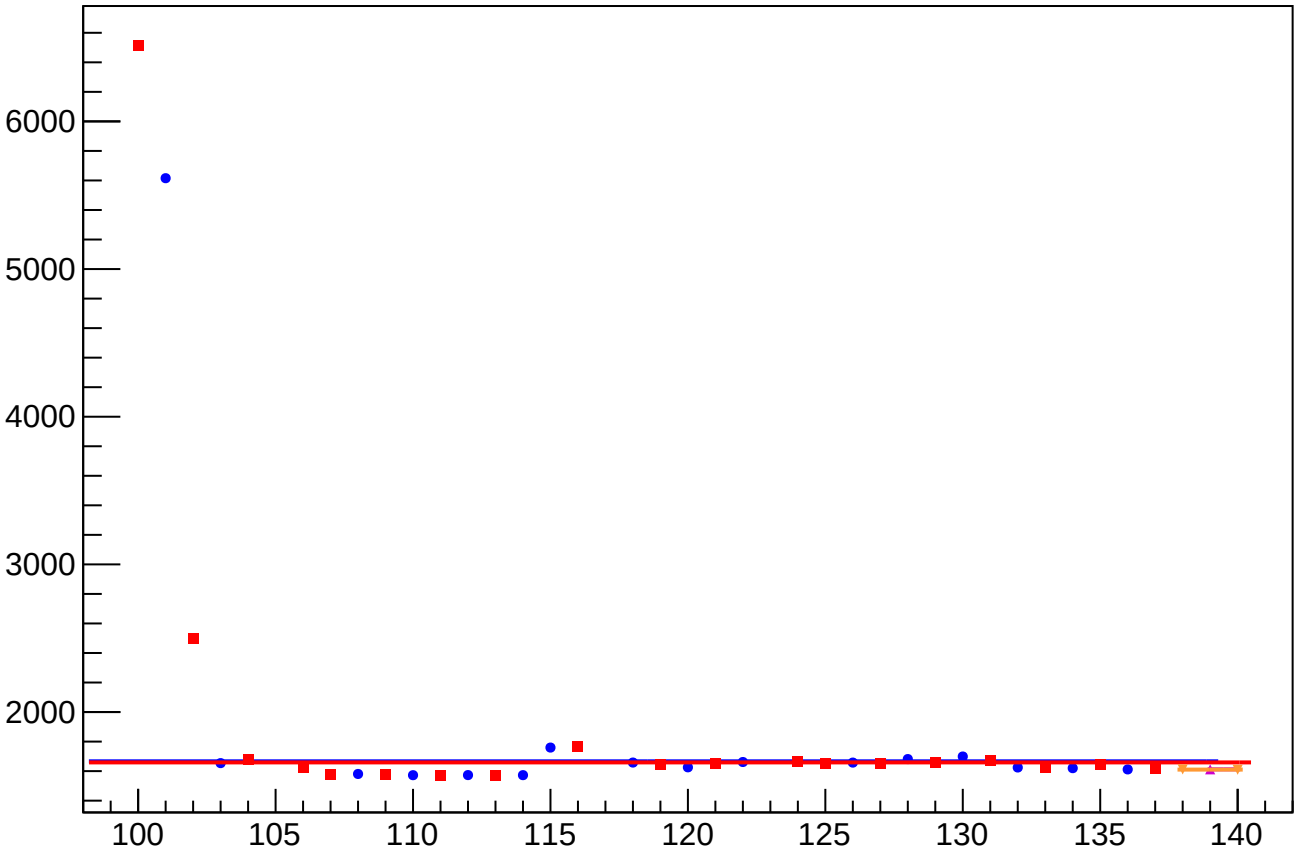
Left: 2768.955+/-1025.031 χ^2/NDF: 2.6/2

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2753.127+/-596.071 χ^2/NDF:15.9/16

Out: 2299.378+/-554.835 χ^2/NDF:11.3/20

All: 2510.016+/-406.124 χ^2/NDF: 27.5/37



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.335+/-0.894 χ^2/NDF:1.4/1

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1612.195+/-1.239 χ^2/NDF:0.0/0

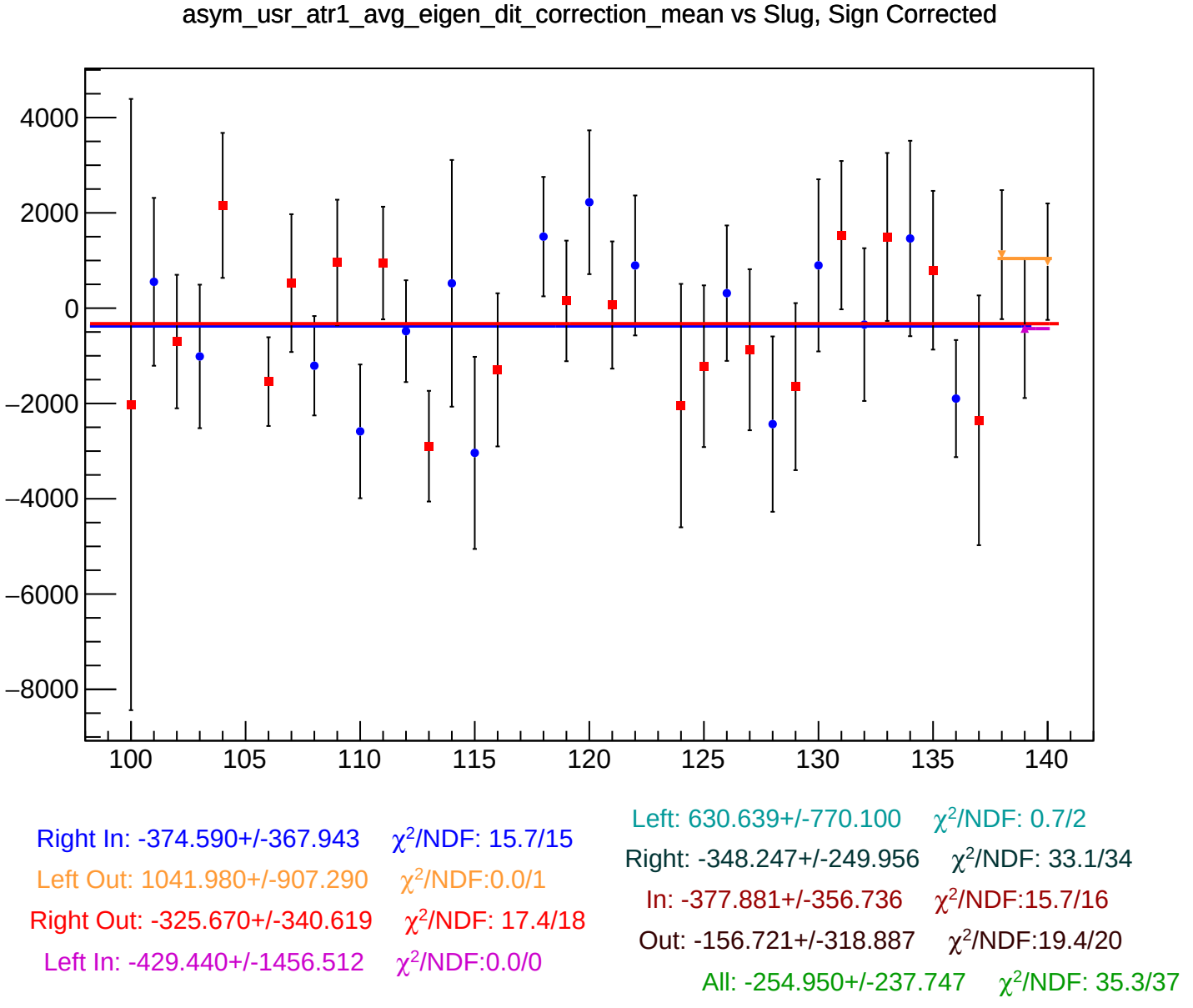
Left: 1610.971+/-0.725 χ^2/NDF: 2.8/2

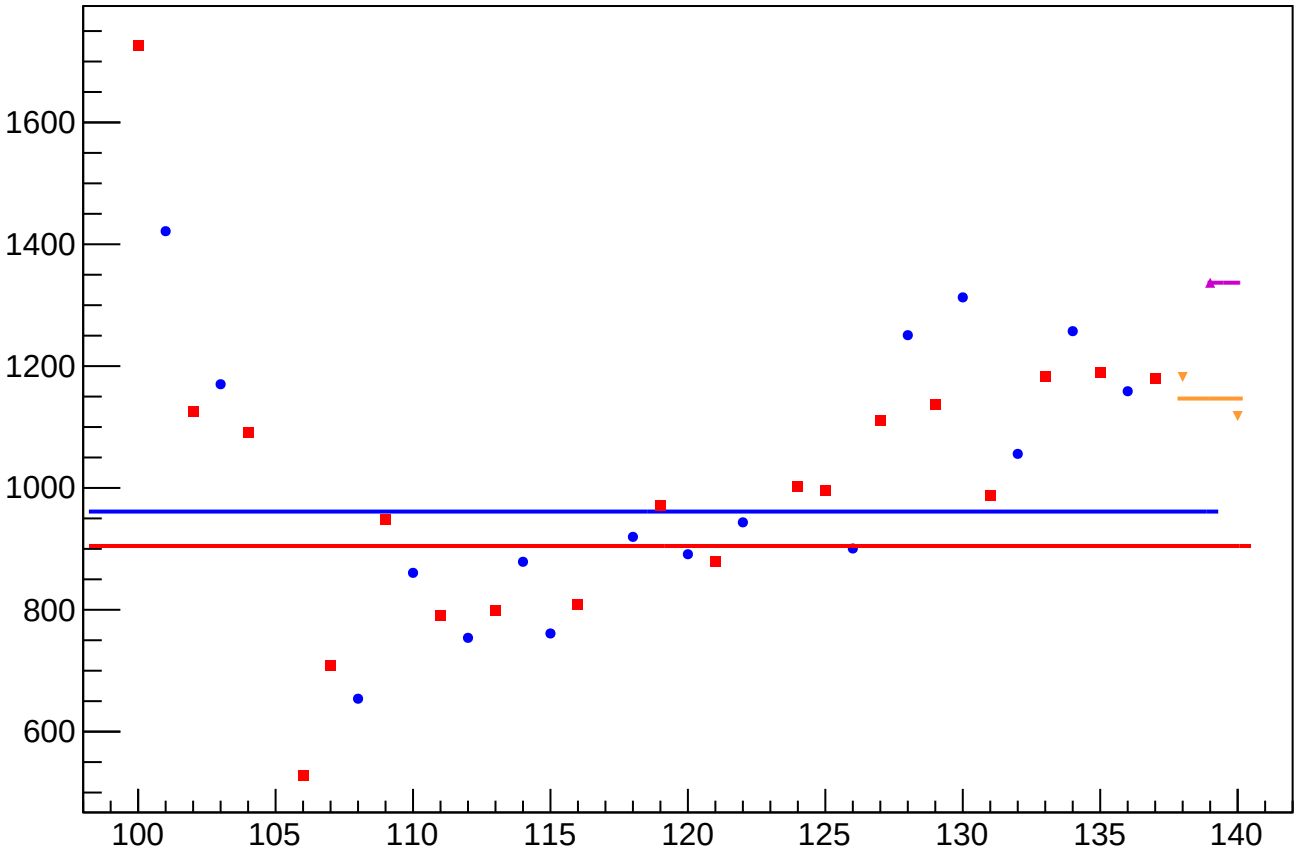
Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1660.128+/-0.421 χ^2/NDF:664606.7/16

Out: 1649.624+/-0.392 χ^2/NDF:195619.4/20

All: 1654.500+/-0.287 χ^2/NDF: 860558.9/37


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
140
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: 1041.980+/-907.290 χ²/NDF:0.0/1
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: -429.440+/-1456.512 χ²/NDF:0.0/0
Left: 630.639+/-770.100 χ²/NDF: 0.7/2
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -377.881+/-356.736 χ²/NDF:15.7/16
Out: -156.721+/-318.887 χ²/NDF:19.4/20
All: -254.950+/-237.747 χ²/NDF: 35.3/37



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1146.734+/-0.642 χ^2/NDF:2469.5/1

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 1336.925+/-1.030 χ^2/NDF:0.0/0

Left: 1199.903+/-0.545 χ^2/NDF: 27038.4/2

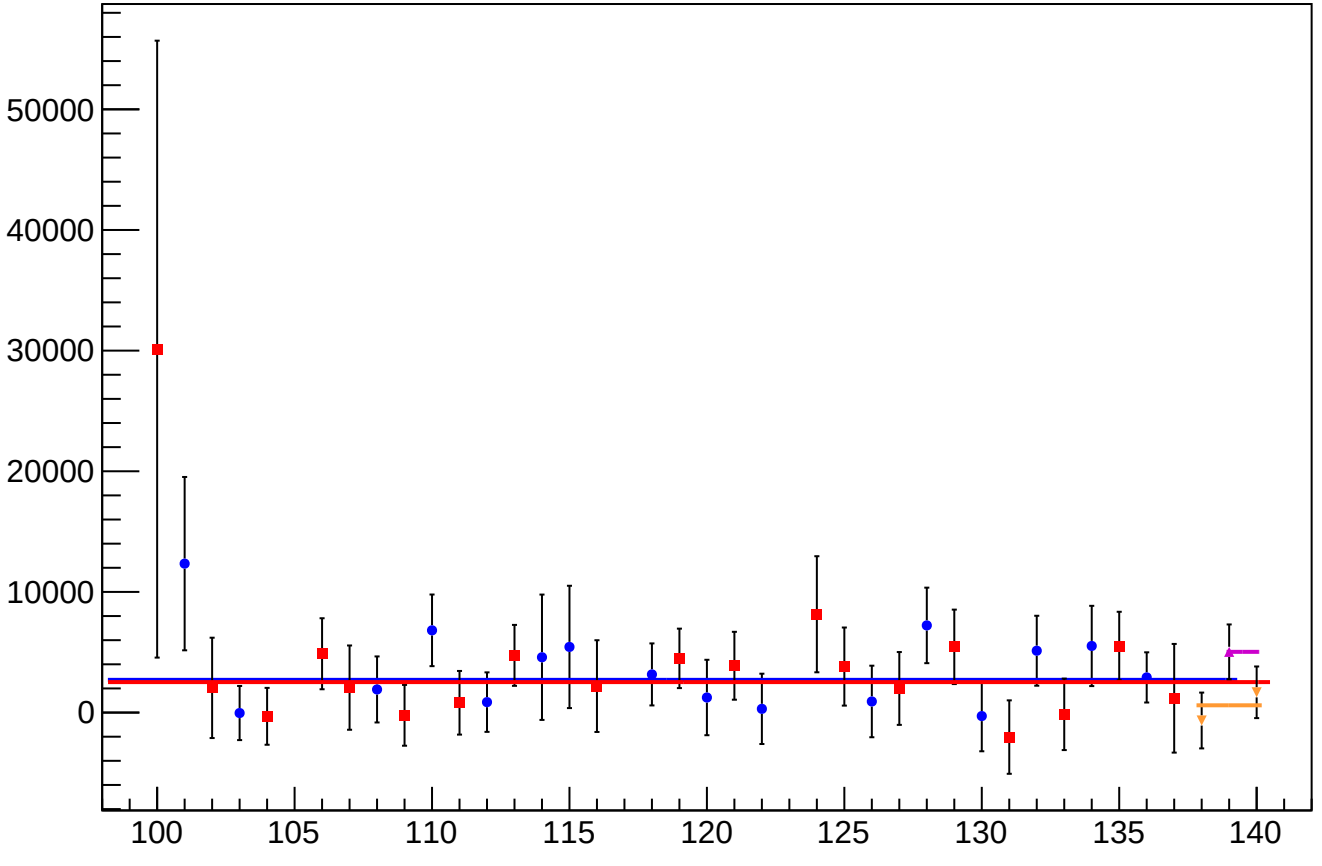
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 983.775+/-0.252 χ^2/NDF:816963.0/16

Out: 934.629+/-0.225 χ^2/NDF:863662.8/20

All: 956.457+/-0.168 χ^2/NDF: 1701725.6/37

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 602.431+/-1570.724 χ^2/NDF:0.6/1

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 5032.602+/-2271.001 χ^2/NDF:0.0/0

Left: 2035.946+/-1291.838 χ^2/NDF: 3.1/2

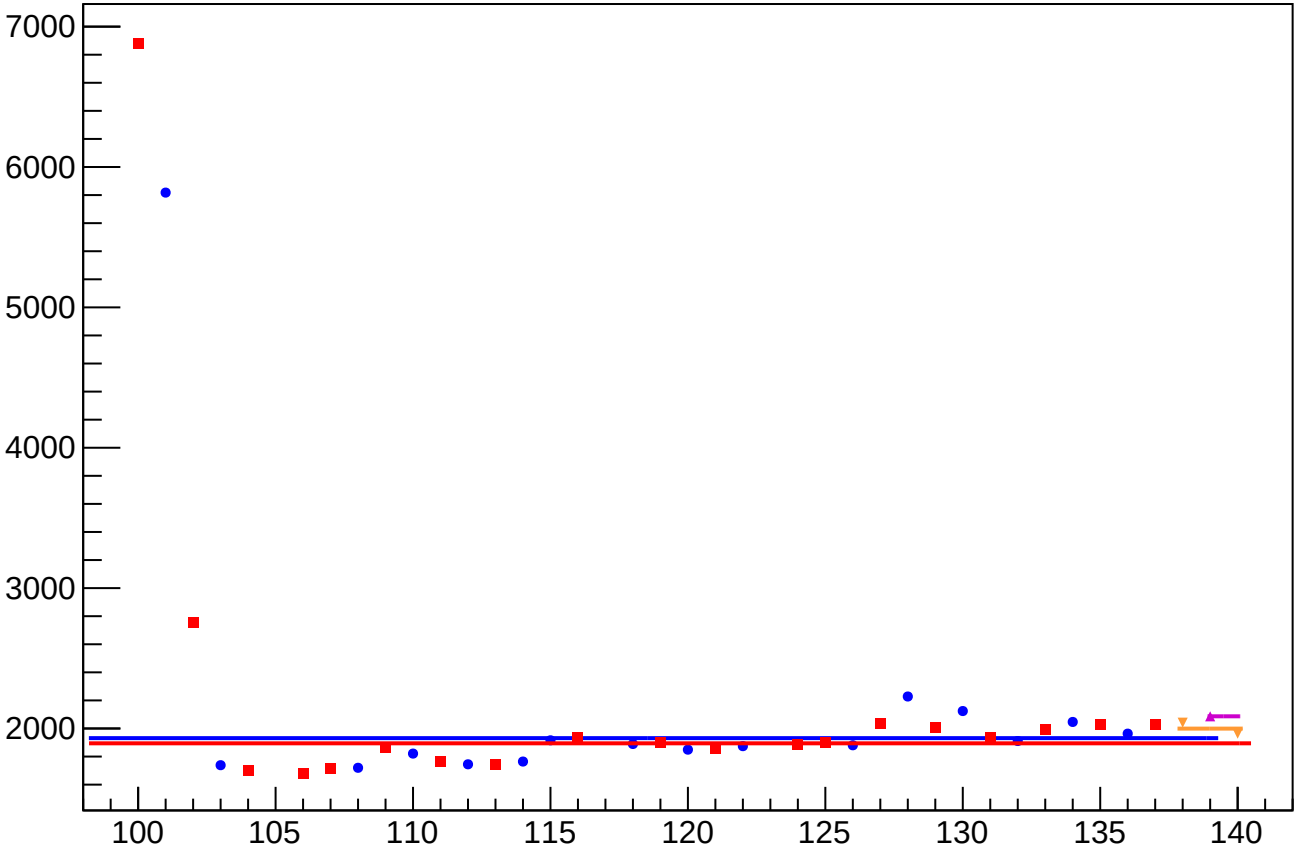
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2931.527+/-699.364 χ^2/NDF:13.1/16

Out: 2201.974+/-644.284 χ^2/NDF:15.0/20

All: 2536.894+/-473.855 χ^2/NDF: 28.7/37

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1999.137+/-1.111 χ^2/NDF:1232.5/1

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 2086.771+/-1.606 χ^2/NDF:0.0/0

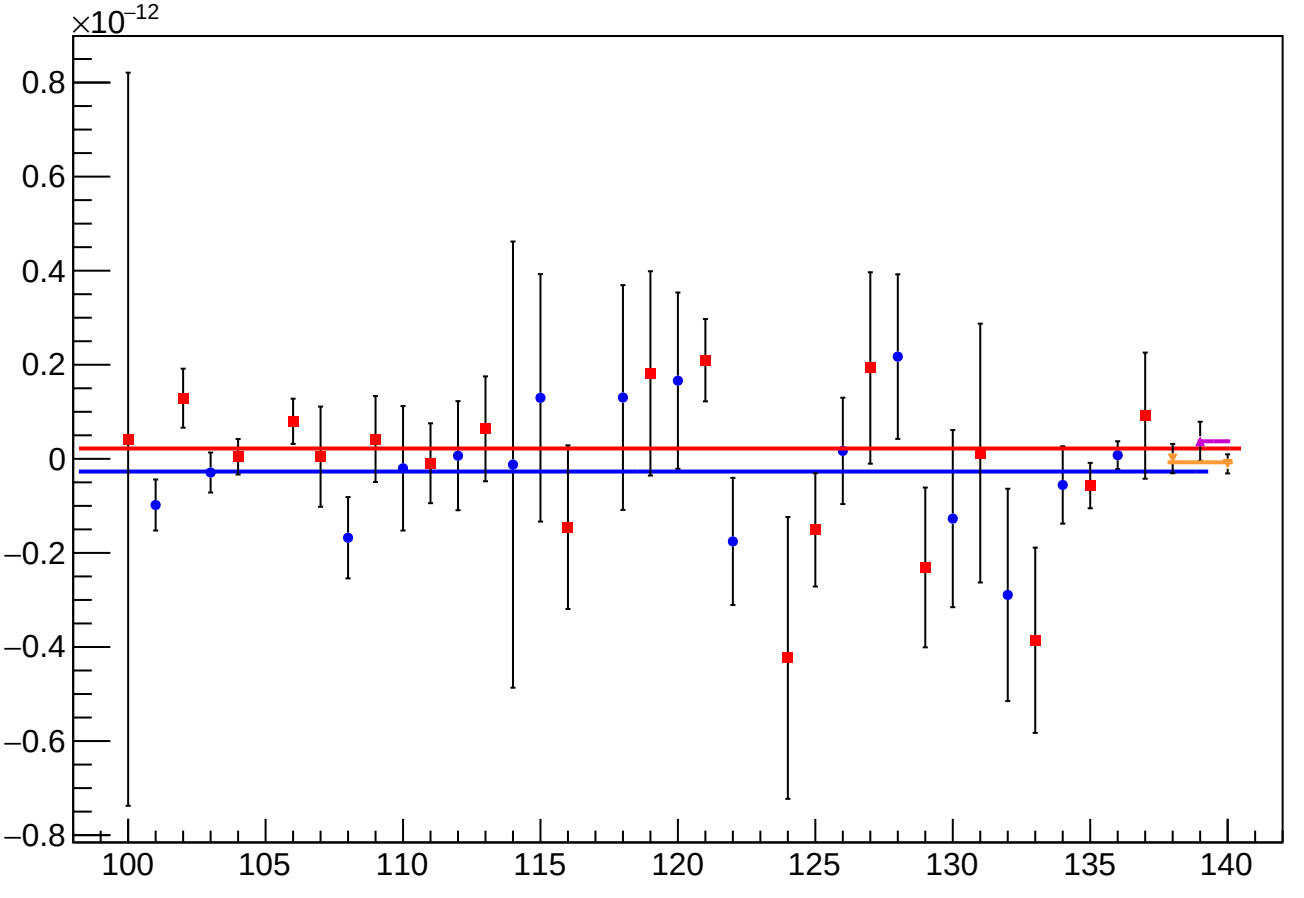
Left: 2027.494+/-0.913 χ^2/NDF: 3246.9/2

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1945.999+/-0.495 χ^2/NDF:669717.0/16

Out: 1911.979+/-0.456 χ^2/NDF:229177.2/20

All: 1927.597+/-0.335 χ^2/NDF: 901454.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

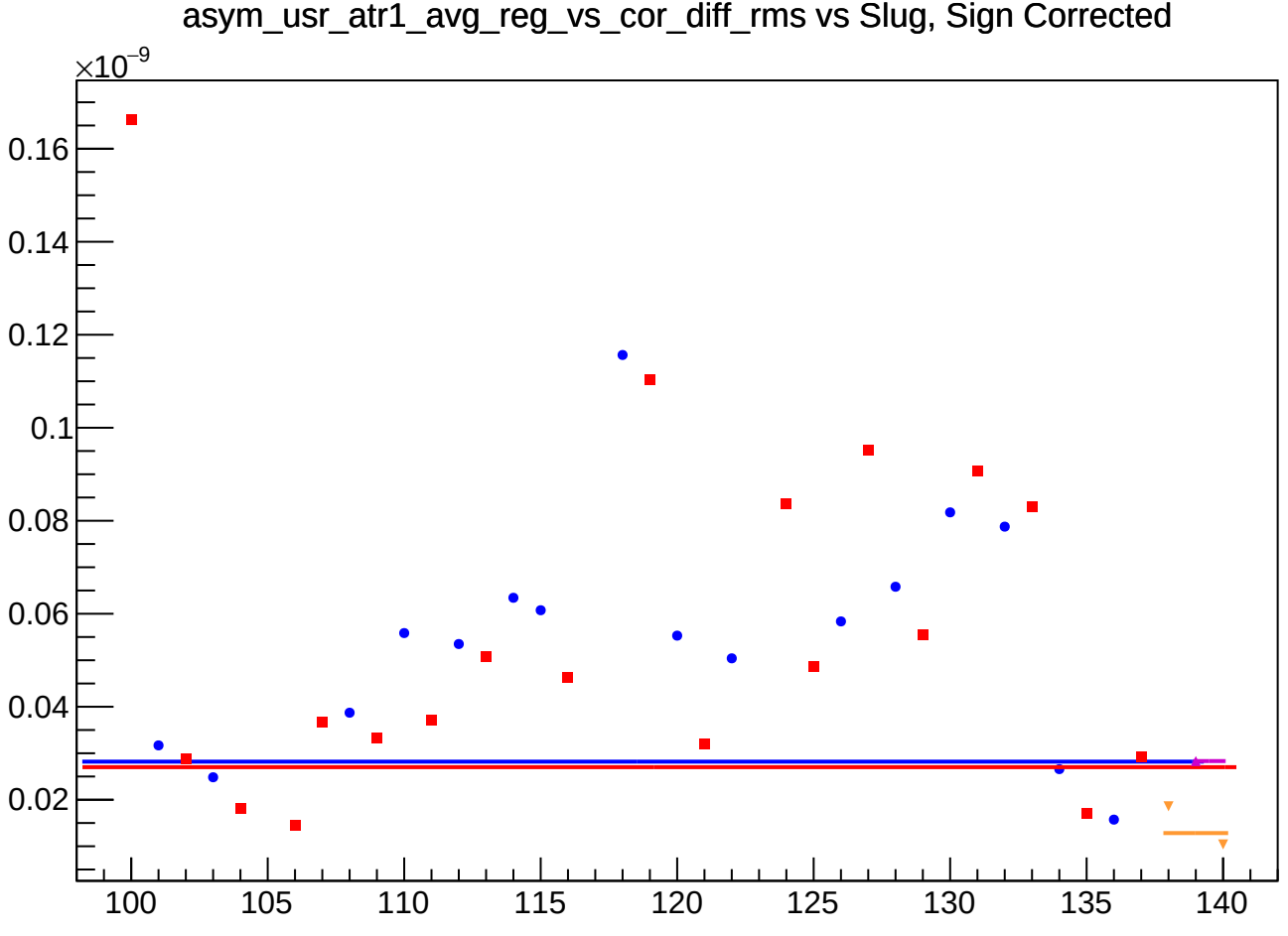
Left: -0.000+/-0.000 χ^2/NDF: 1.1/2

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:14.7/16

Out: 0.000+/-0.000 χ^2/NDF:26.8/20

All: -0.000+/-0.000 χ^2/NDF: 42.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:96795.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

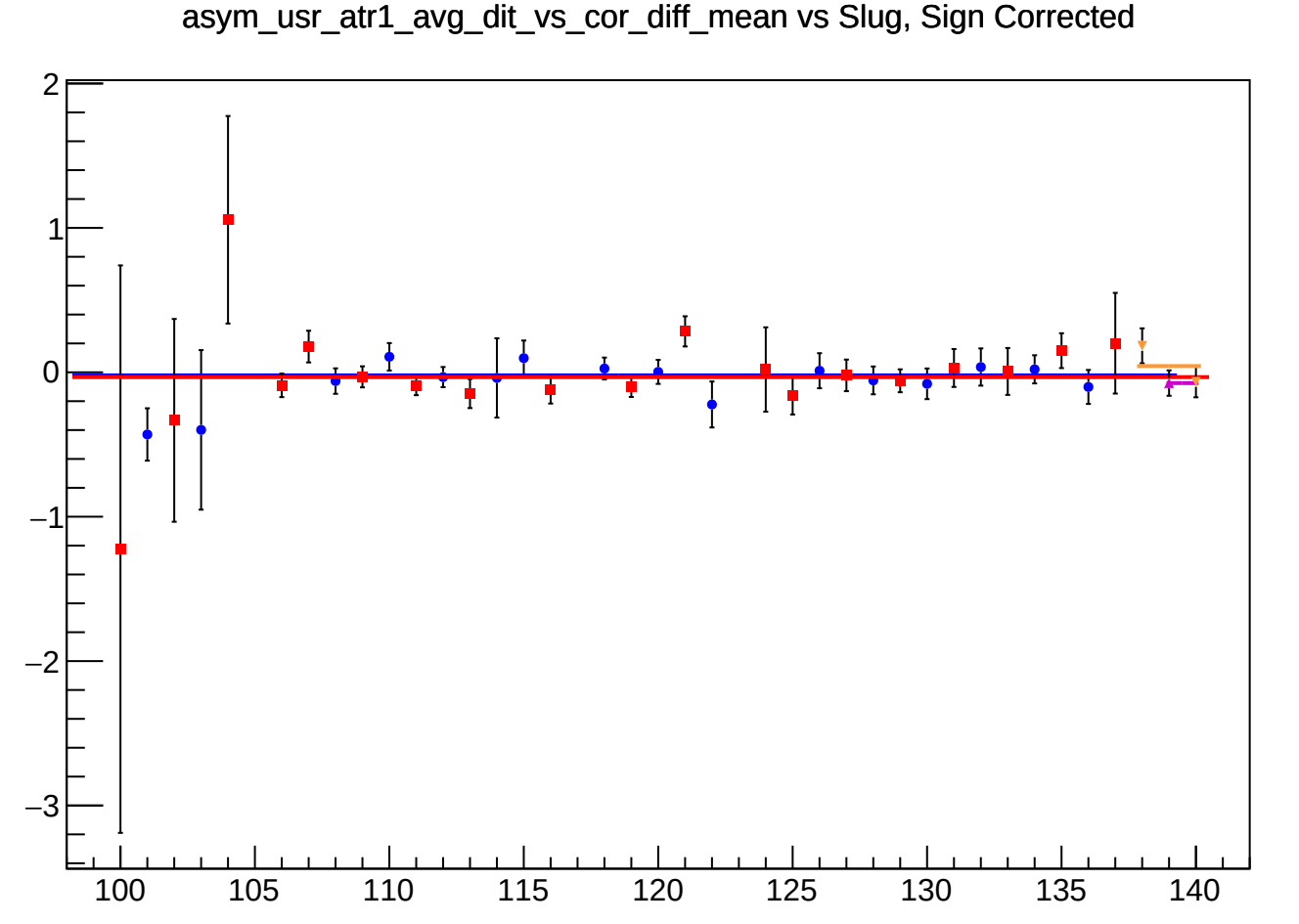
Left: 0.000+/-0.000 χ^2/NDF: 334589.7/2

Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:1490585.6/16

Out: 0.000+/-0.000 χ^2/NDF:2257177.9/20

All: 0.000+/-0.000 χ^2/NDF: 4111120.9/37



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.043+/-0.080 χ^2/NDF:2.4/1

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.075+/-0.088 χ^2/NDF:0.0/0

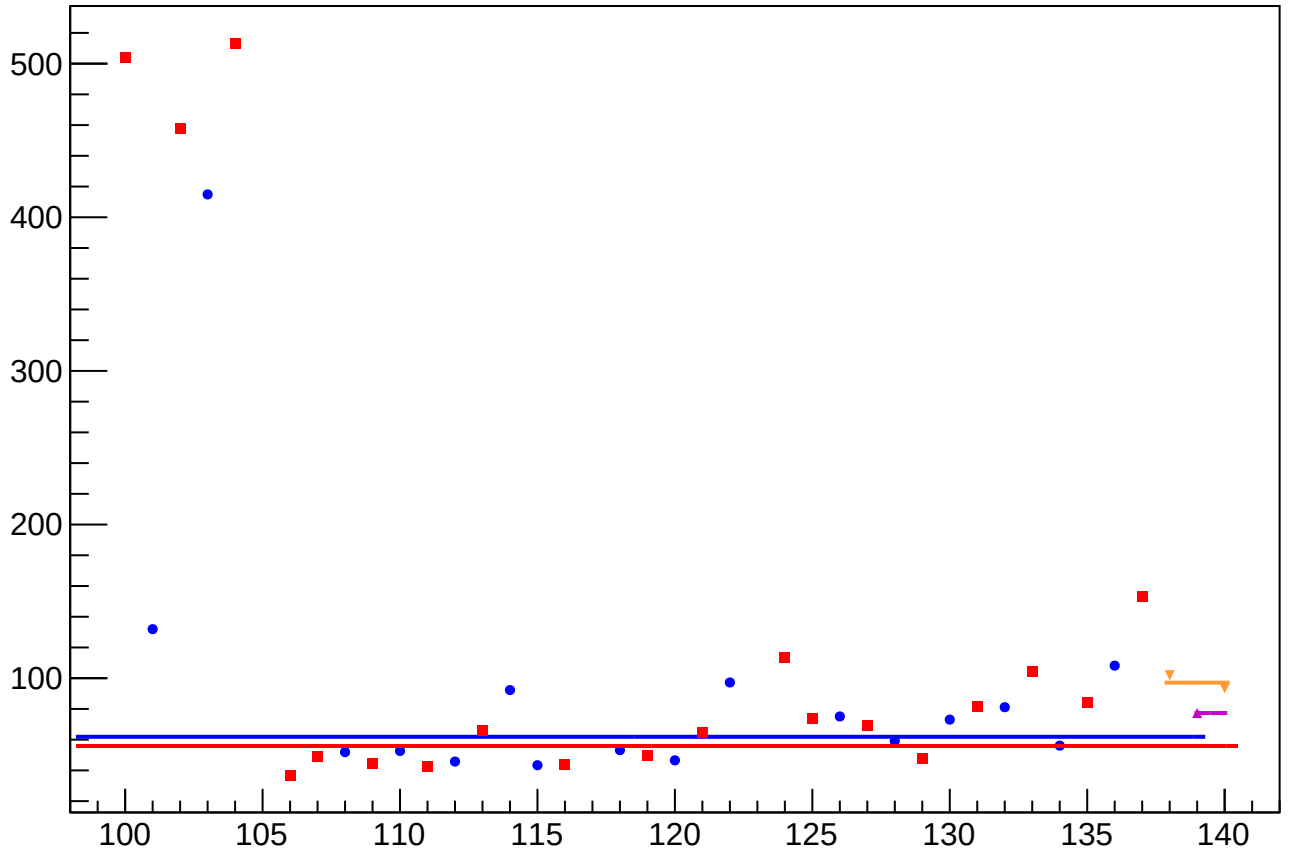
Left: -0.010+/-0.059 χ^2/NDF: 3.4/2

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.026+/-0.025 χ^2/NDF:12.3/16

Out: -0.027+/-0.024 χ^2/NDF:27.6/20

All: -0.026+/-0.017 χ^2/NDF: 39.9/37



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 97.111+/-0.057 χ^2/NDF:5572.0/1

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 77.358+/-0.062 χ^2/NDF:0.0/0

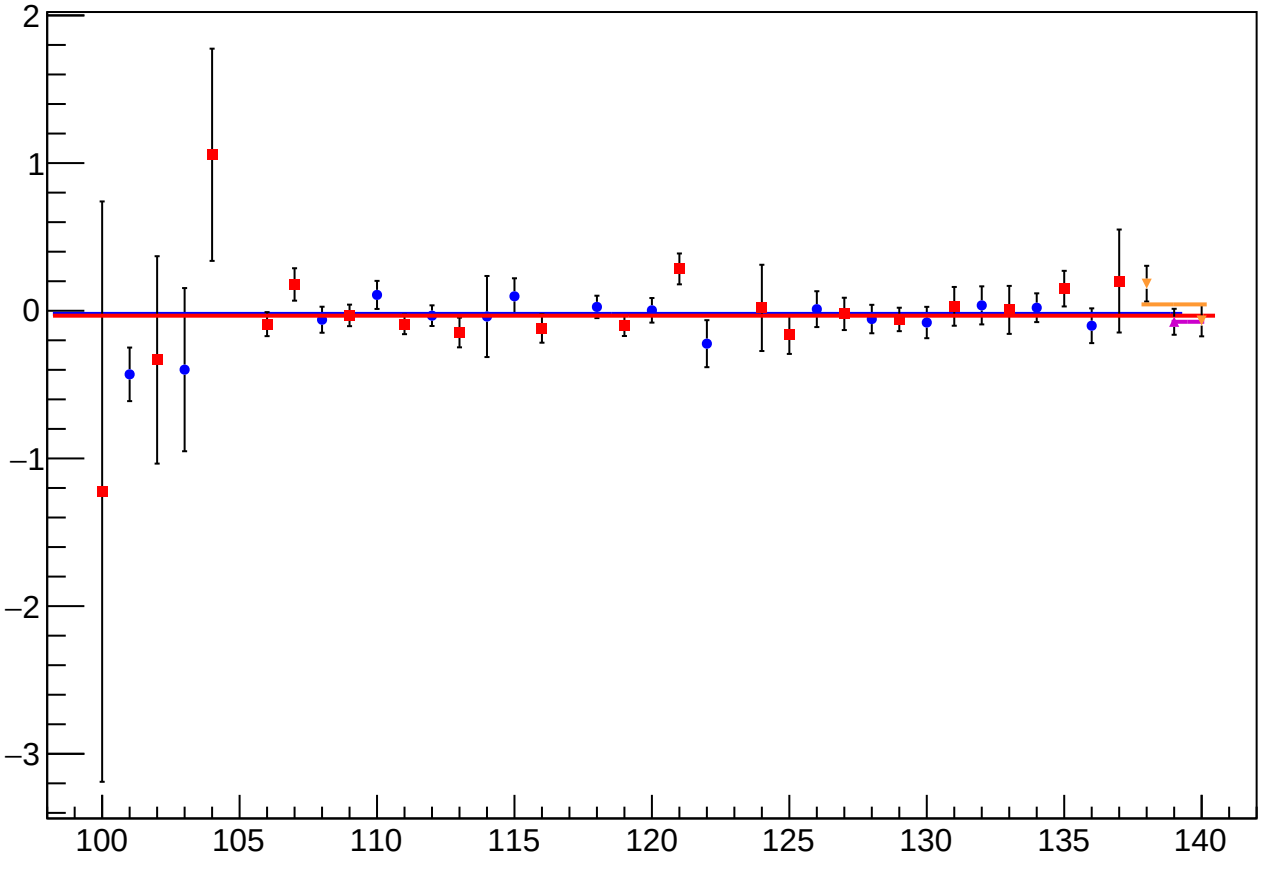
Left: 88.143+/-0.042 χ^2/NDF: 60718.7/2

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 63.171+/-0.018 χ^2/NDF:1994805.9/16

Out: 59.432+/-0.017 χ^2/NDF:3080382.7/20

All: 61.155+/-0.012 χ^2/NDF: 5098515.1/37



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.043+/-0.080 χ^2/NDF:2.4/1

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.075+/-0.088 χ^2/NDF:0.0/0

Left: -0.010+/-0.059 χ^2/NDF: 3.4/2

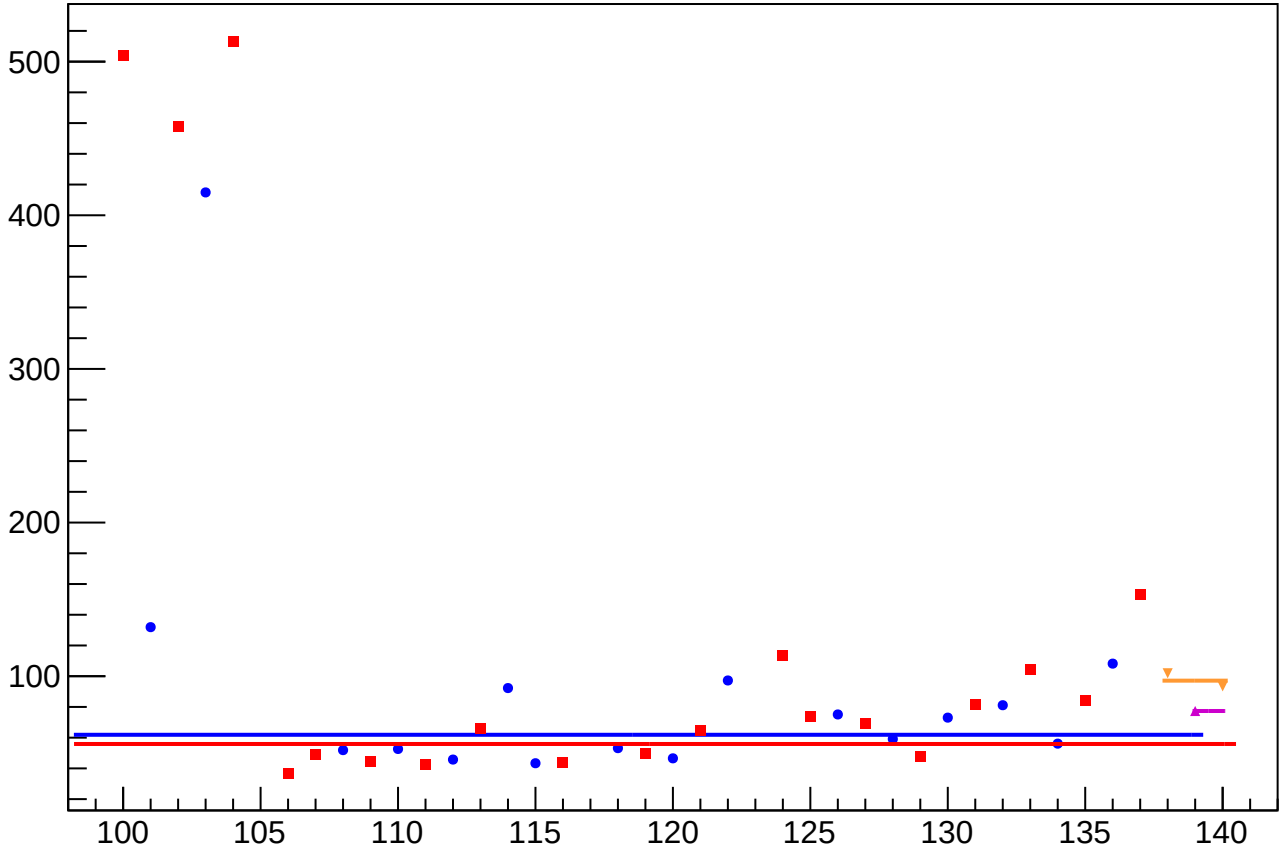
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.026+/-0.025 χ^2/NDF:12.3/16

Out: -0.027+/-0.024 χ^2/NDF:27.6/20

All: -0.026+/-0.017 χ^2/NDF: 39.9/37

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: 97.111+/-0.057 χ^2/NDF:5572.0/1

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 77.358+/-0.062 χ^2/NDF:0.0/0

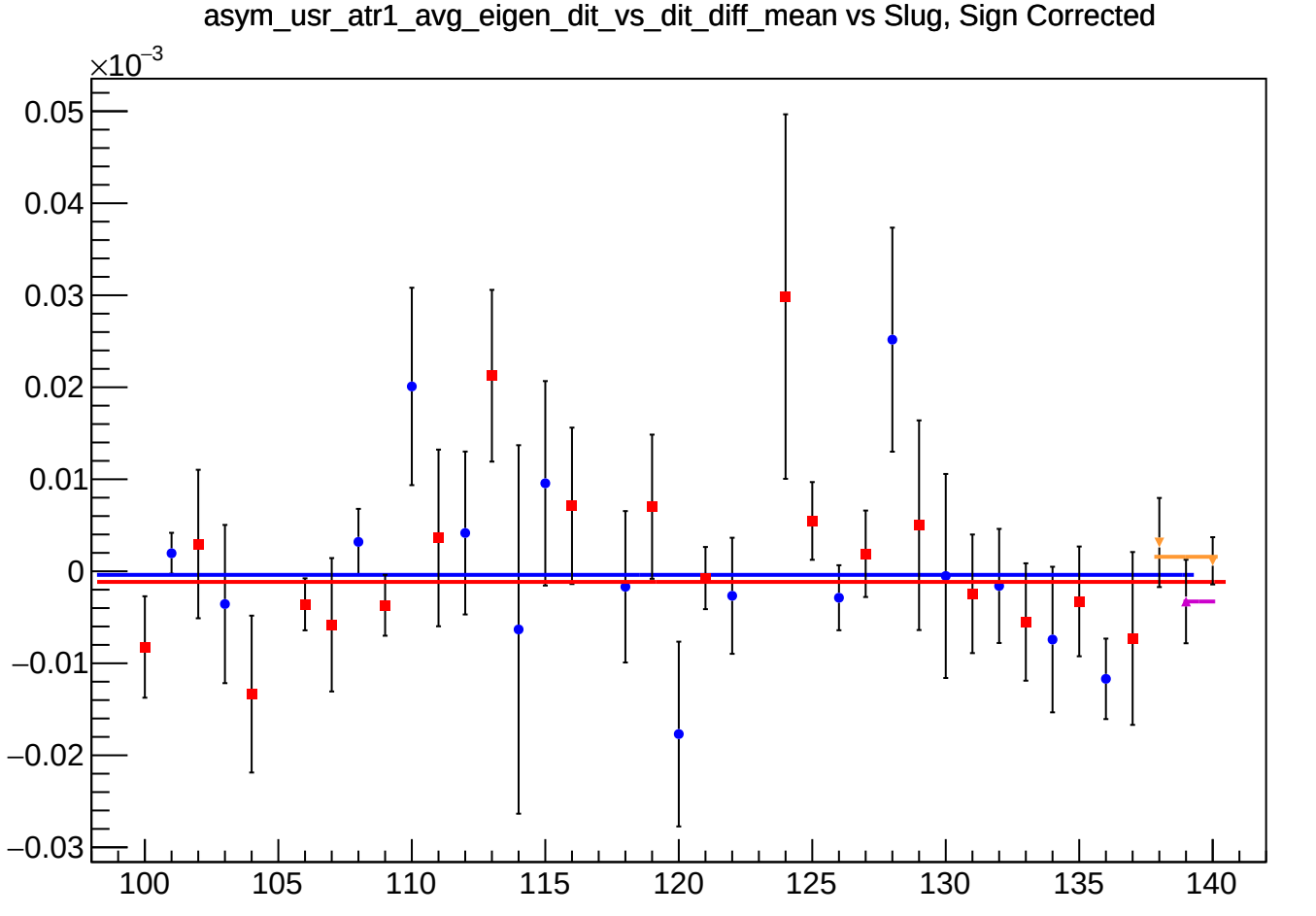
Left: 88.143+/-0.042 χ^2/NDF: 60718.7/2

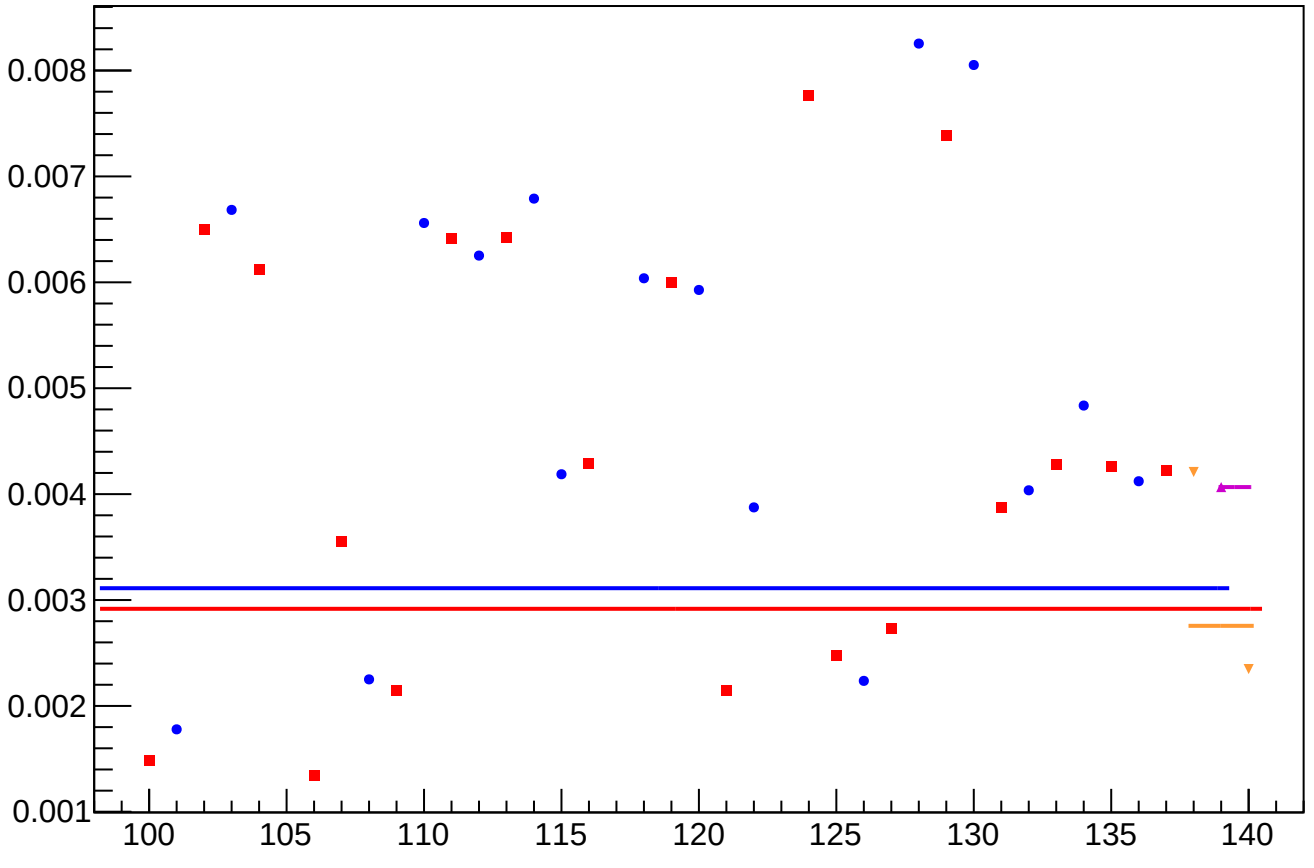
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 63.171+/-0.018 χ^2/NDF:1994805.9/16

Out: 59.432+/-0.017 χ^2/NDF:3080382.7/20

All: 61.155+/-0.012 χ^2/NDF: 5098515.1/37


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:0.1/1
Right Out: -0.000+/-0.000 χ²/NDF: 20.4/18
Left In: -0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 1.0/2
Right: -0.000+/-0.000 χ²/NDF: 43.2/34
In: -0.000+/-0.000 χ²/NDF:23.0/16
Out: -0.000+/-0.000 χ²/NDF:21.7/20
All: -0.000+/-0.000 χ²/NDF: 44.6/37



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:230514.2/1

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.004+/-0.000 χ^2/NDF:0.0/0

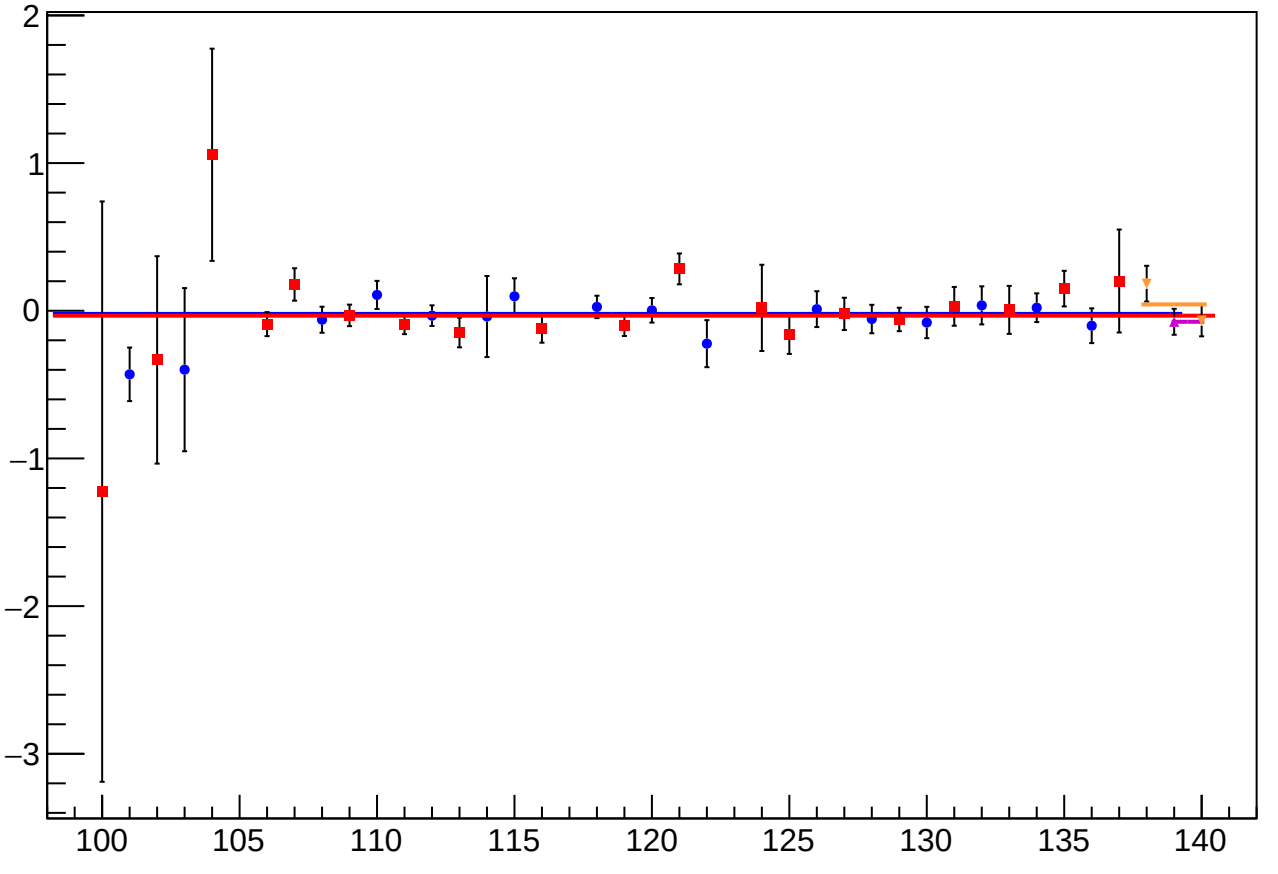
Left: 0.003+/-0.000 χ^2/NDF: 363827.1/2

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.003+/-0.000 χ^2/NDF:3365394.8/16

Out: 0.003+/-0.000 χ^2/NDF:3533716.7/20

All: 0.003+/-0.000 χ^2/NDF: 6965942.9/37



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.043+/-0.080 χ^2/NDF:2.4/1

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.075+/-0.088 χ^2/NDF:0.0/0

Left: -0.010+/-0.059 χ^2/NDF: 3.4/2

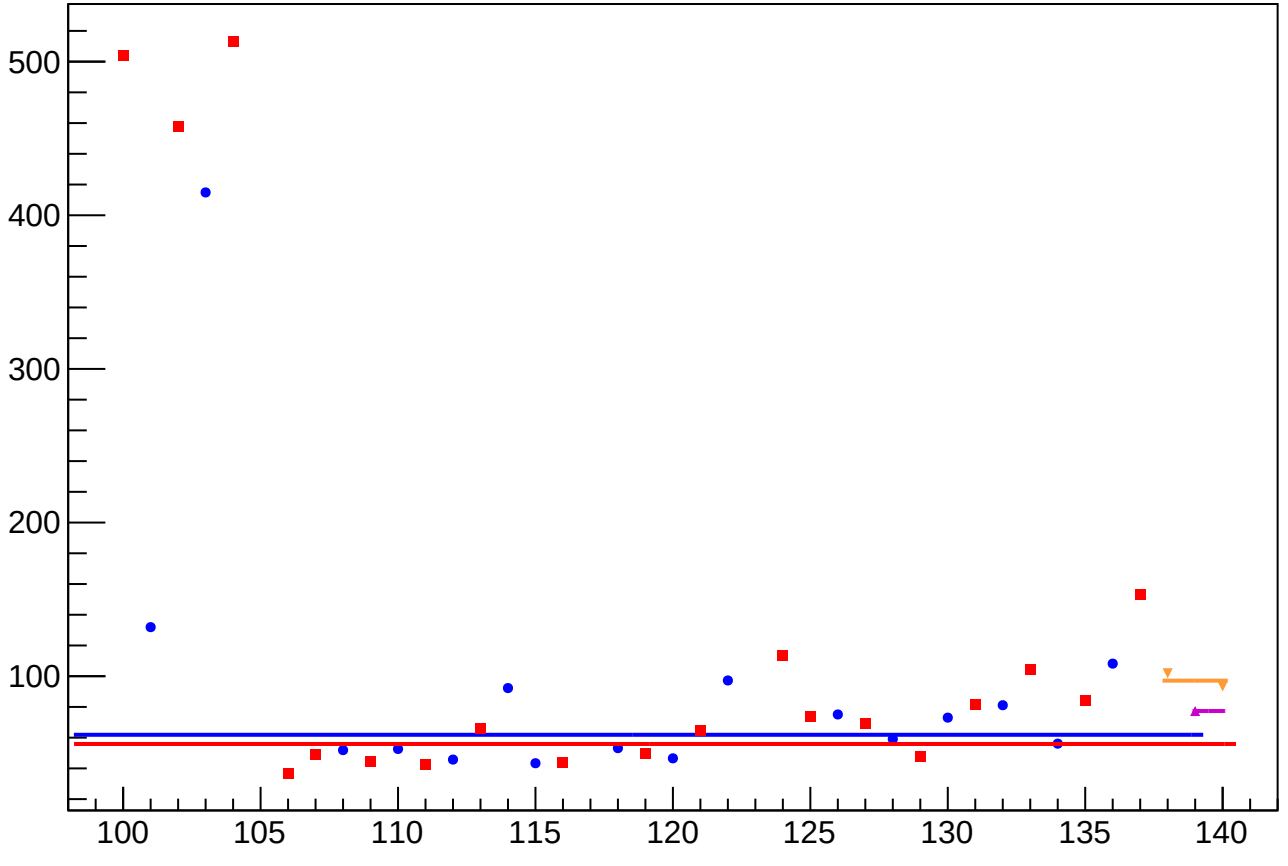
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.026+/-0.025 χ^2/NDF:12.3/16

Out: -0.027+/-0.024 χ^2/NDF:27.6/20

All: -0.026+/-0.017 χ^2/NDF: 39.9/37

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: 97.111+/-0.057 χ^2/NDF:5573.2/1

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 77.358+/-0.062 χ^2/NDF:0.0/0

Left: 88.143+/-0.042 χ^2/NDF: 60715.2/2

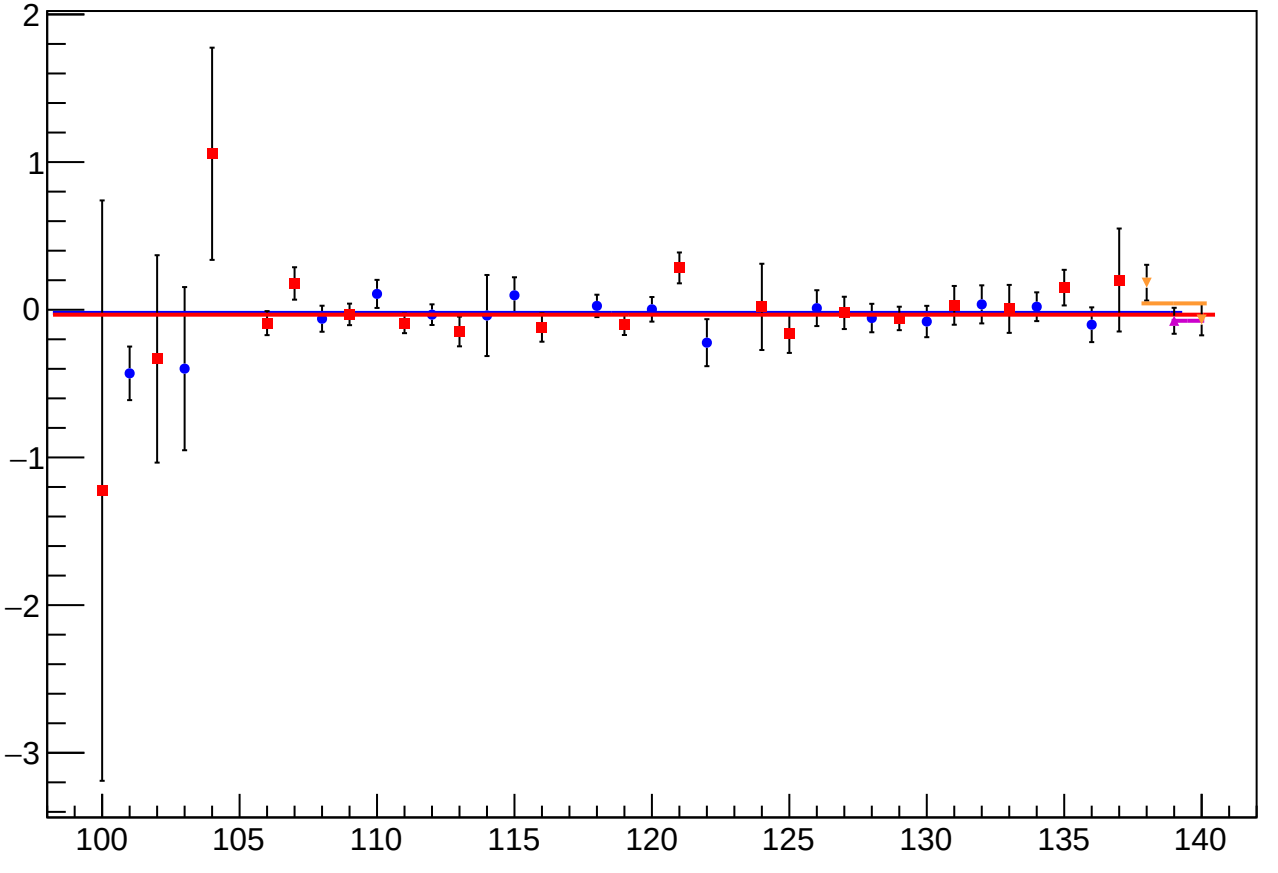
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 63.170+/-0.018 χ^2/NDF:1994766.1/16

Out: 59.431+/-0.017 χ^2/NDF:3080363.7/20

All: 61.154+/-0.012 χ^2/NDF: 5098459.7/37

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.043+/-0.080 χ^2/NDF:2.4/1

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.075+/-0.088 χ^2/NDF:0.0/0

Left: -0.010+/-0.059 χ^2/NDF: 3.4/2

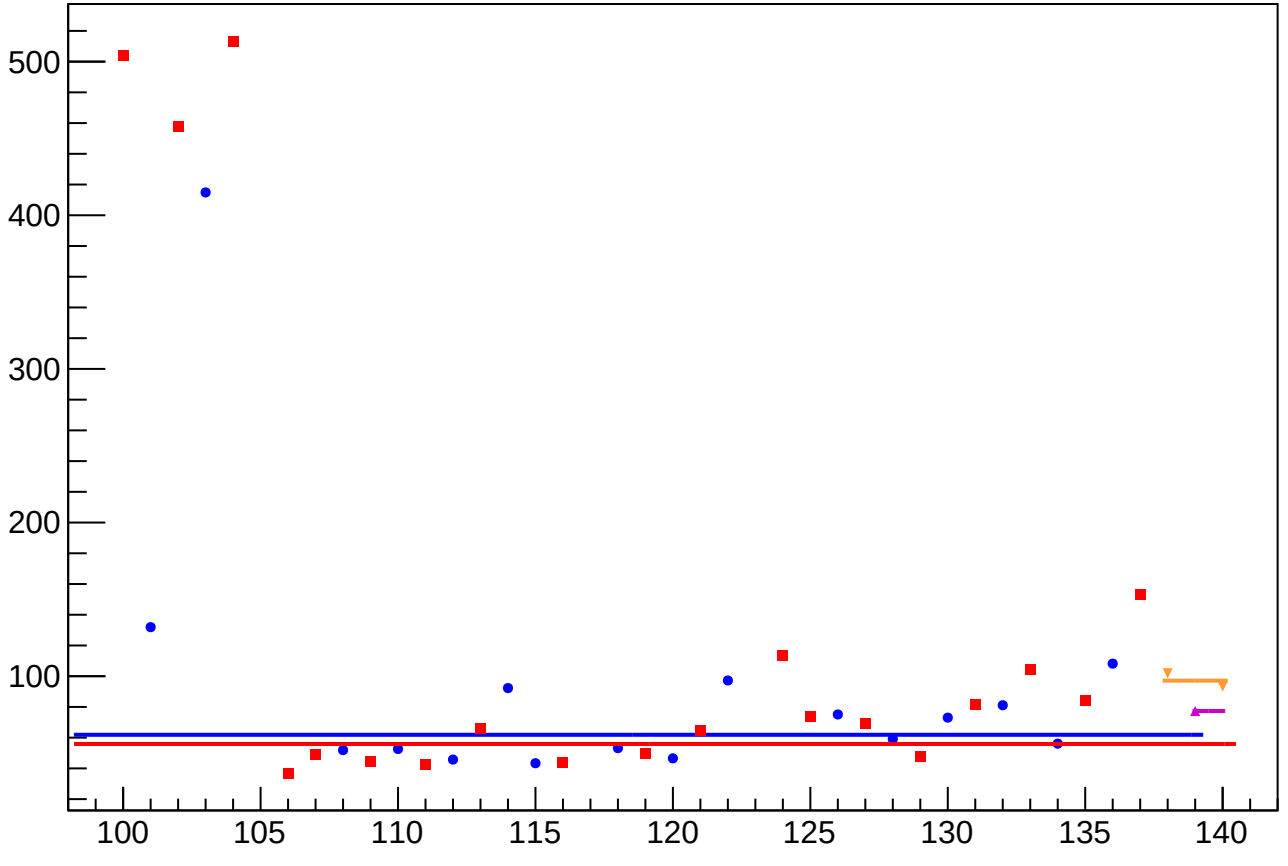
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.026+/-0.025 χ^2/NDF:12.3/16

Out: -0.027+/-0.024 χ^2/NDF:27.6/20

All: -0.026+/-0.017 χ^2/NDF: 39.9/37

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: 97.111+/-0.057 χ^2/NDF:5573.2/1

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 77.358+/-0.062 χ^2/NDF:0.0/0

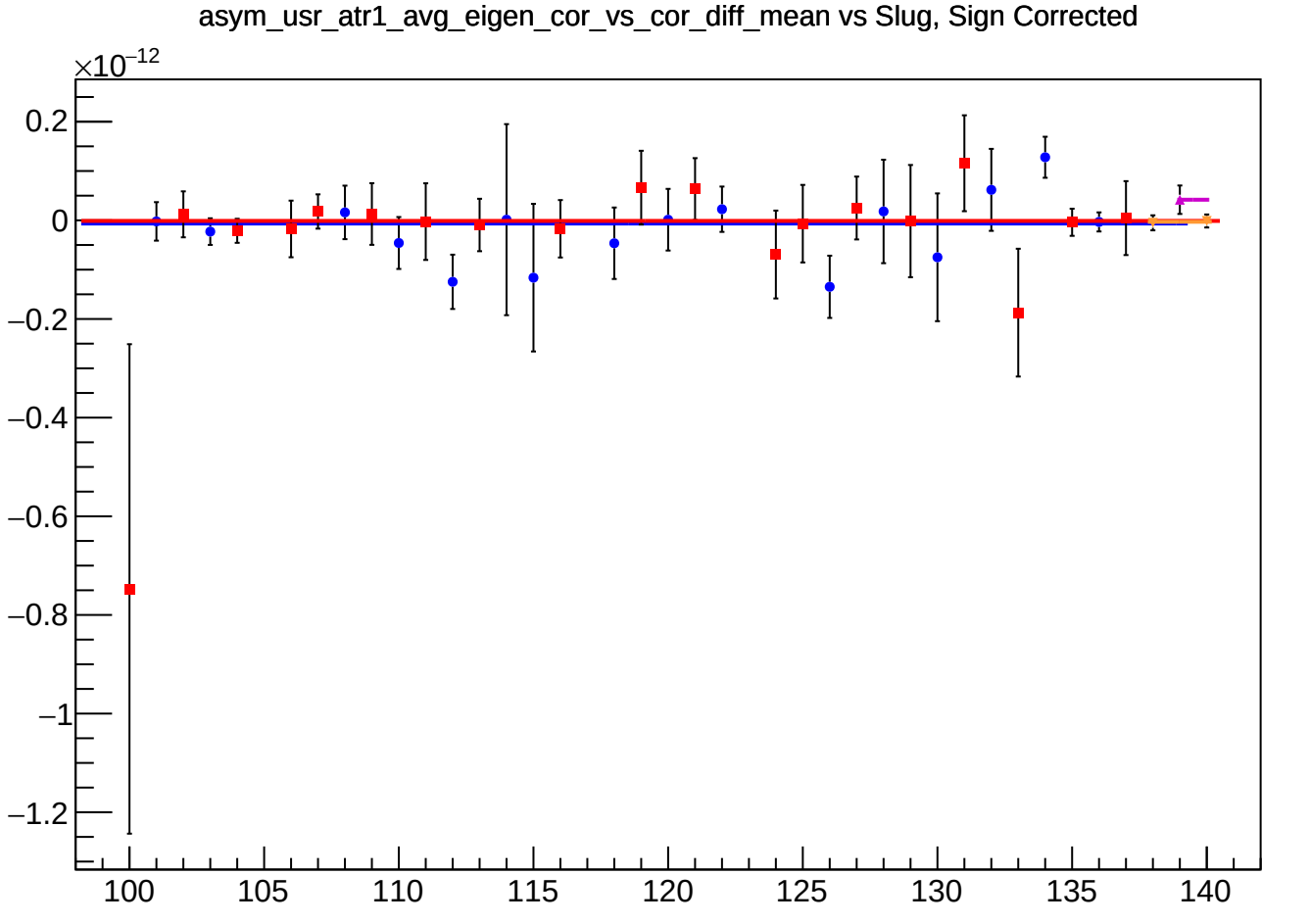
Left: 88.143+/-0.042 χ^2/NDF: 60715.2/2

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 63.170+/-0.018 χ^2/NDF:1994766.1/16

Out: 59.431+/-0.017 χ^2/NDF:3080363.7/20

All: 61.154+/-0.012 χ^2/NDF: 5098459.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

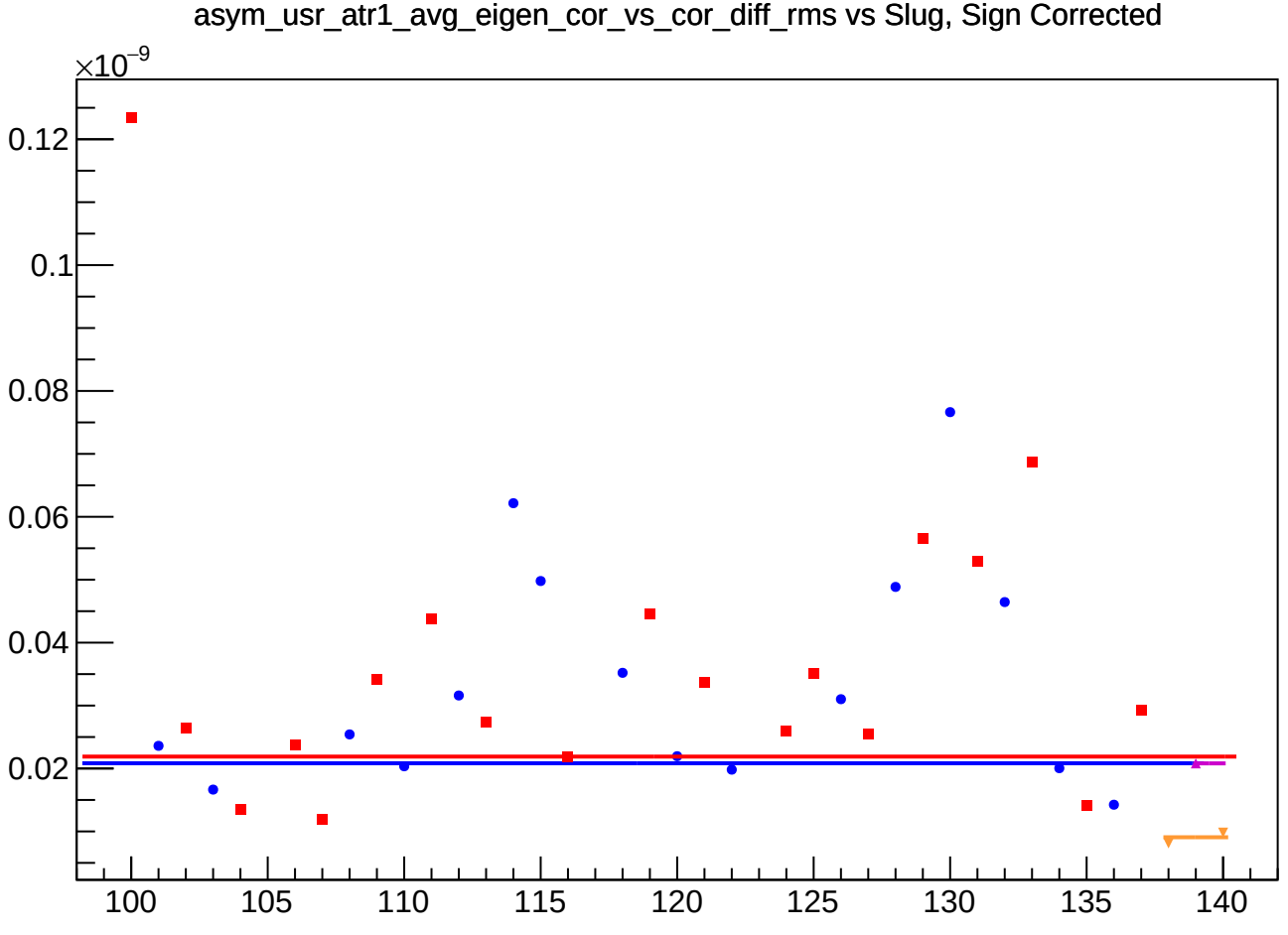
Left: 0.000+/-0.000 χ^2/NDF: 2.2/2

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:25.0/16

Out: -0.000+/-0.000 χ^2/NDF:9.8/20

All: -0.000+/-0.000 χ^2/NDF: 34.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14413.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

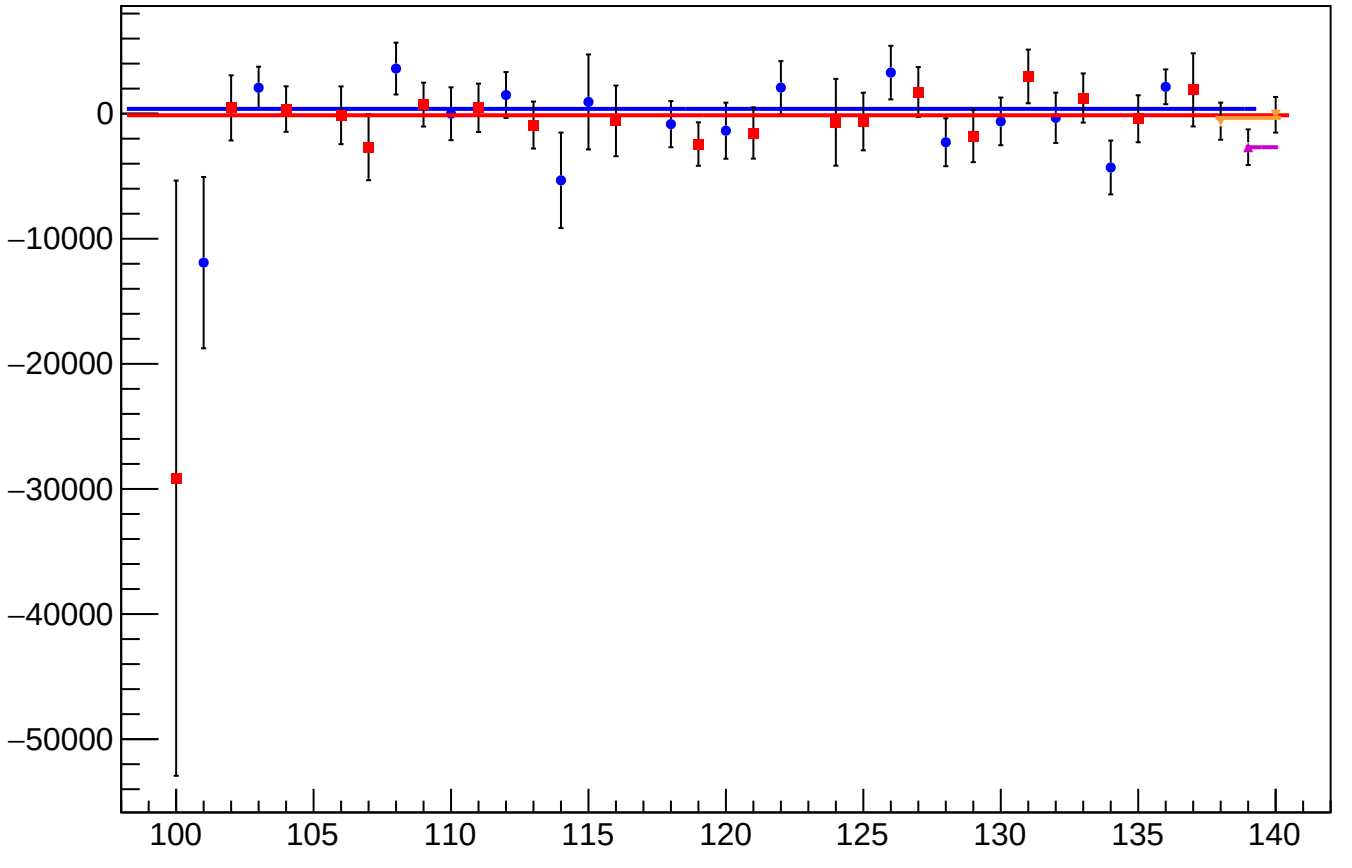
Left: 0.000+/-0.000 χ^2/NDF: 310197.5/2

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:1384607.0/16

Out: 0.000+/-0.000 χ^2/NDF:3282628.0/20

All: 0.000+/-0.000 χ^2/NDF: 5161173.7/37



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -336.110+/-1027.191 χ^2/NDF:0.1/1

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -2682.416+/-1424.971 χ^2/NDF:0.0/0

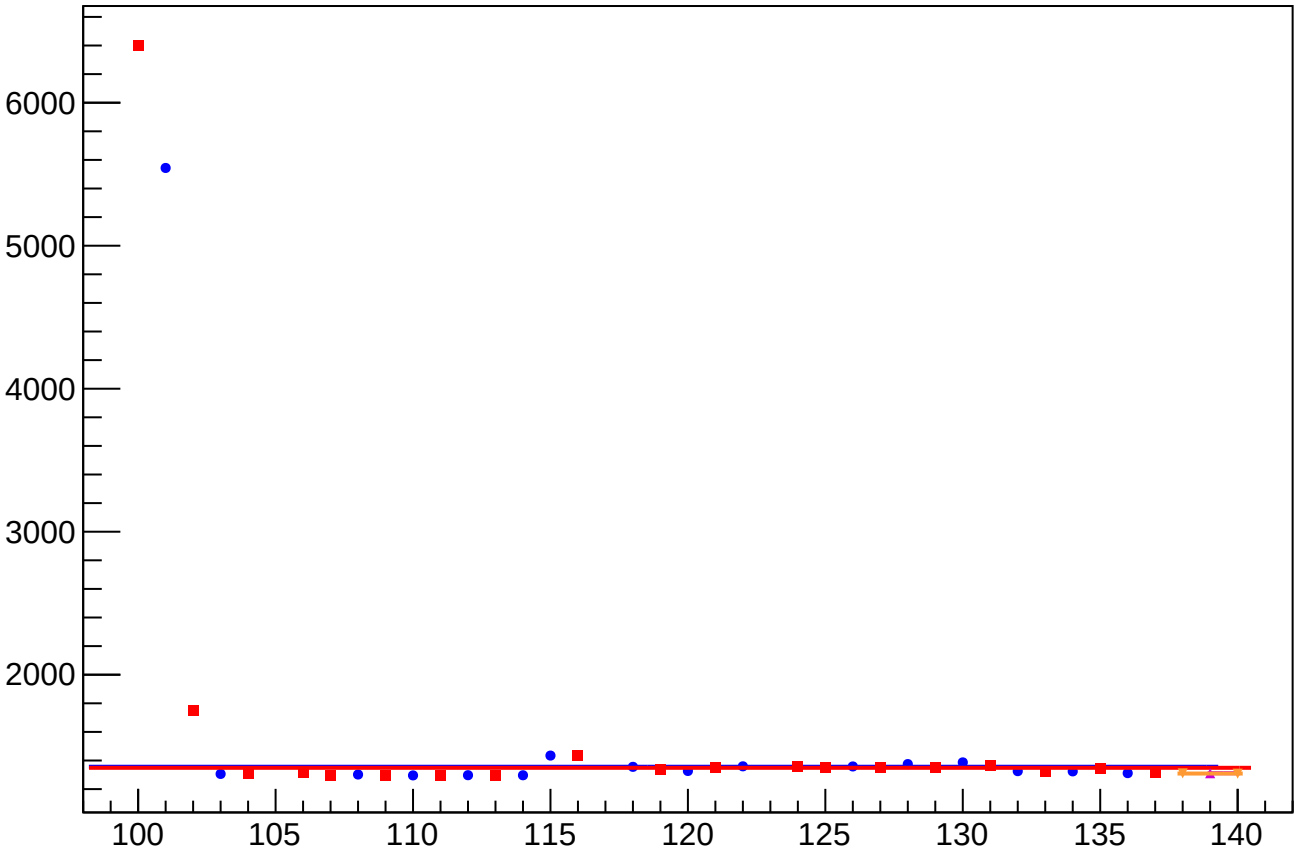
Left: -1138.413+/-833.265 χ^2/NDF: 1.8/2

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 24.051+/-486.657 χ^2/NDF:25.6/16

Out: -167.934+/-450.286 χ^2/NDF:10.1/20

All: -79.383+/-330.511 χ^2/NDF: 35.8/37



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1308.908+/-0.726 χ^2/NDF:2.4/1

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1311.137+/-1.008 χ^2/NDF:0.0/0

Left: 1309.670+/-0.589 χ^2/NDF: 5.6/2

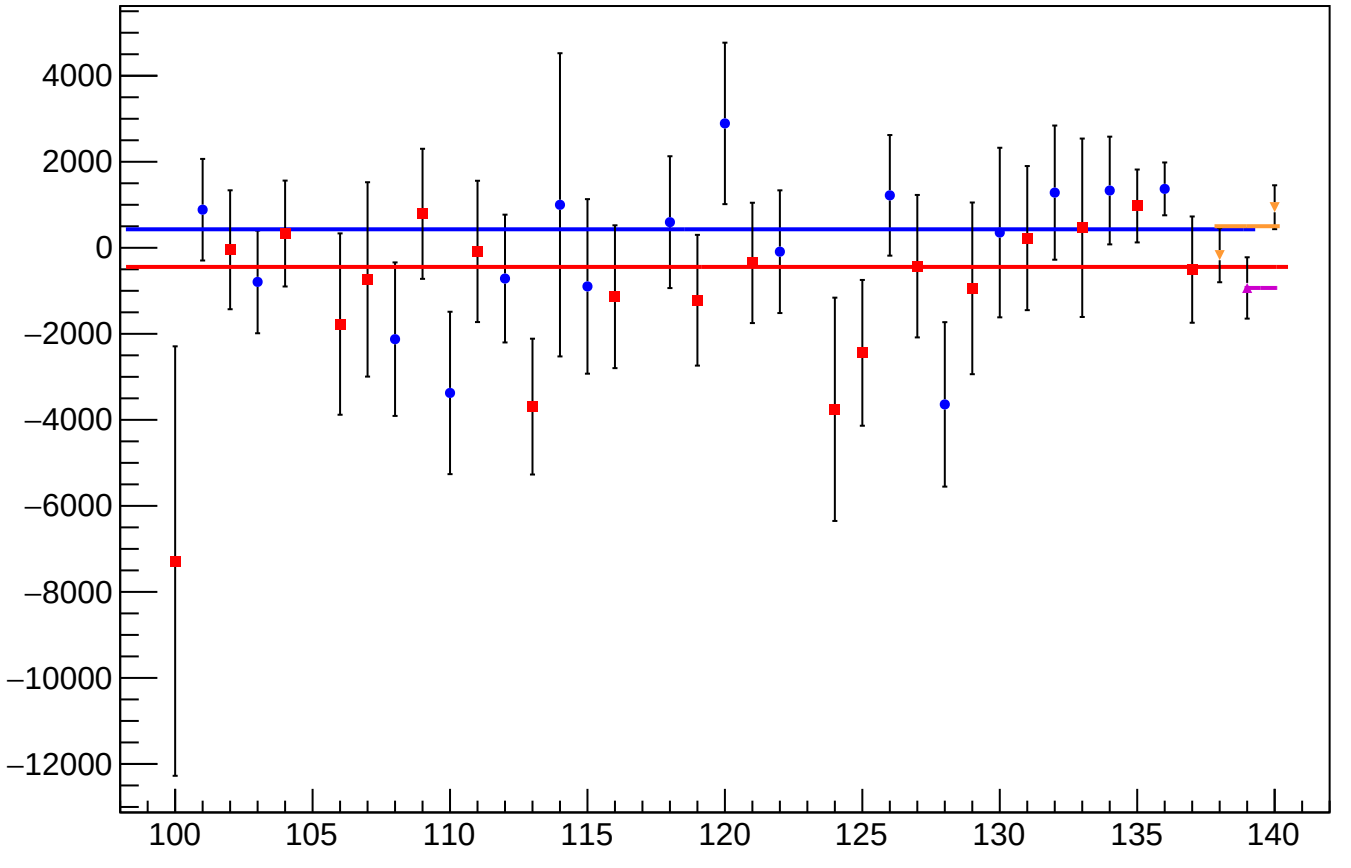
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1351.118+/-0.344 χ^2/NDF:762048.7/16

Out: 1341.275+/-0.318 χ^2/NDF:149726.1/20

All: 1345.815+/-0.234 χ^2/NDF: 912215.6/37

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 501.997+/-396.391 χ^2/NDF:1.9/1

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -933.356+/-713.029 χ^2/NDF:0.0/0

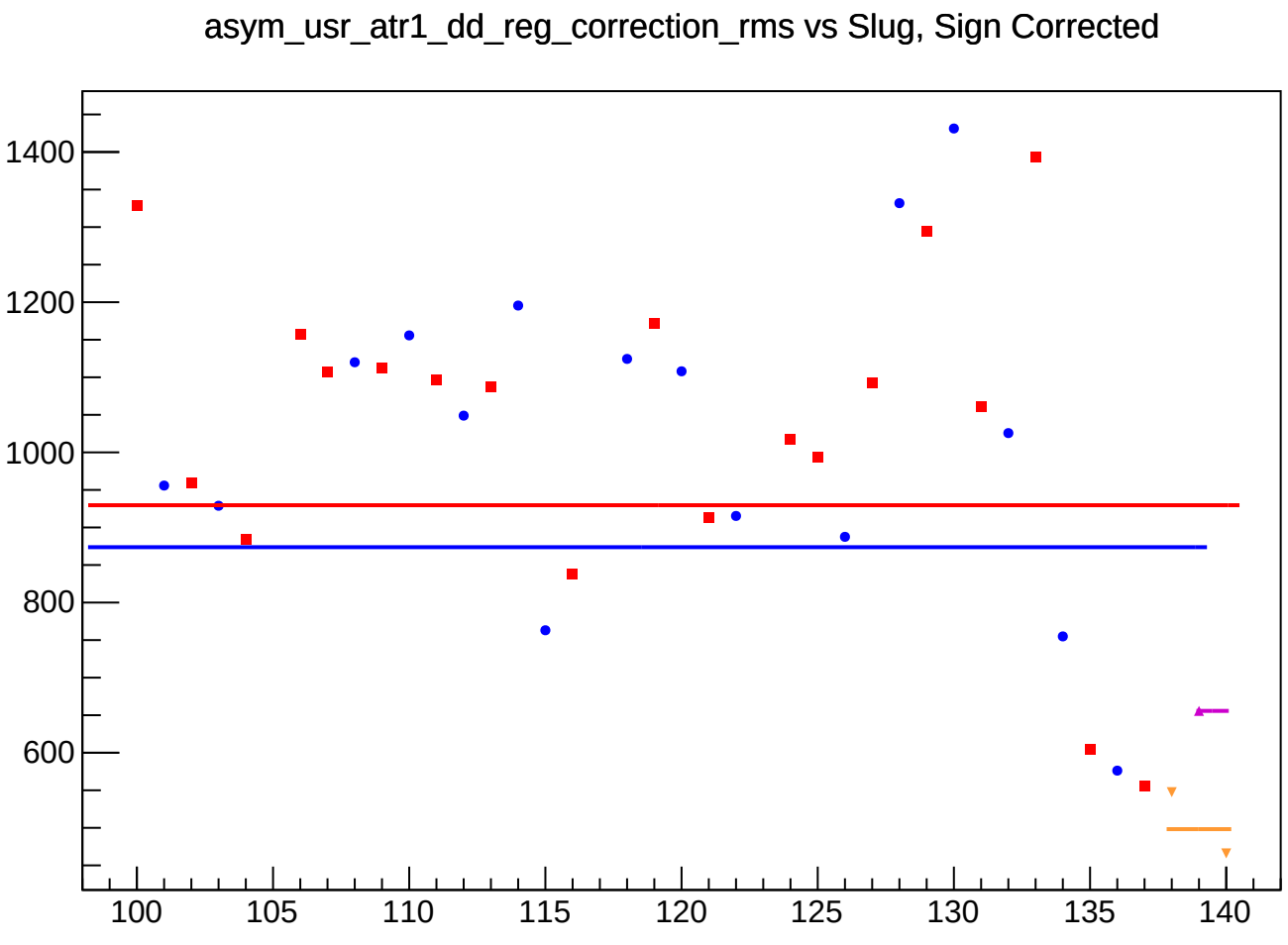
Left: 163.126+/-346.453 χ^2/NDF: 5.0/2

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 179.594+/-305.761 χ^2/NDF:21.2/16

Out: -22.480+/-264.695 χ^2/NDF:19.4/20

All: 64.085+/-200.124 χ^2/NDF: 40.9/37



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 498.256+/-0.280 χ^2/NDF:20237.9/1

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 655.731+/-0.504 χ^2/NDF:0.0/0

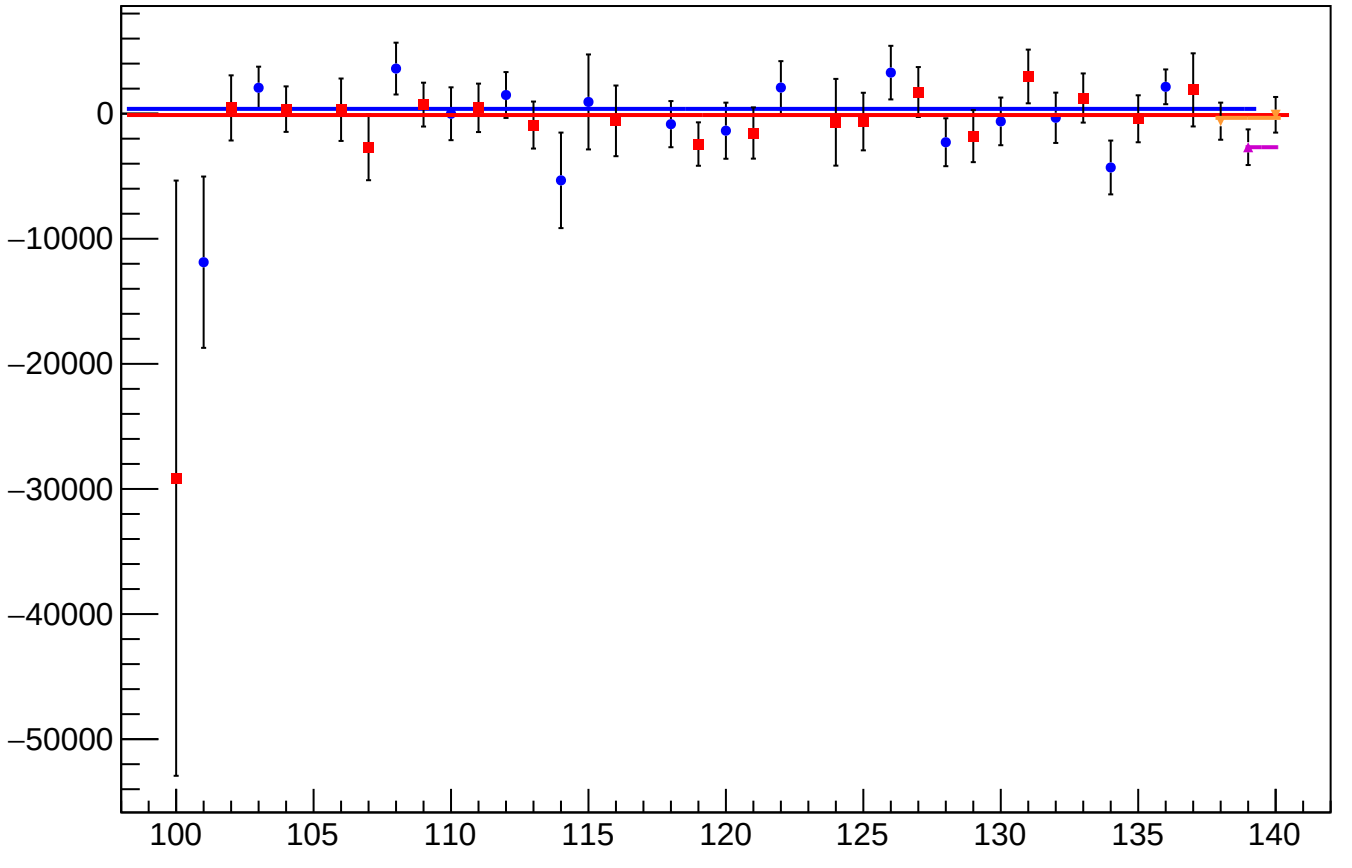
Left: 535.434+/-0.245 χ^2/NDF: 94759.7/2

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 833.645+/-0.216 χ^2/NDF:1167436.2/16

Out: 737.281+/-0.187 χ^2/NDF:2192635.4/20

All: 778.562+/-0.142 χ^2/NDF: 3473626.2/37



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -336.111+/-1027.191 χ^2/NDF:0.1/1

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -2682.558+/-1424.971 χ^2/NDF:0.0/0

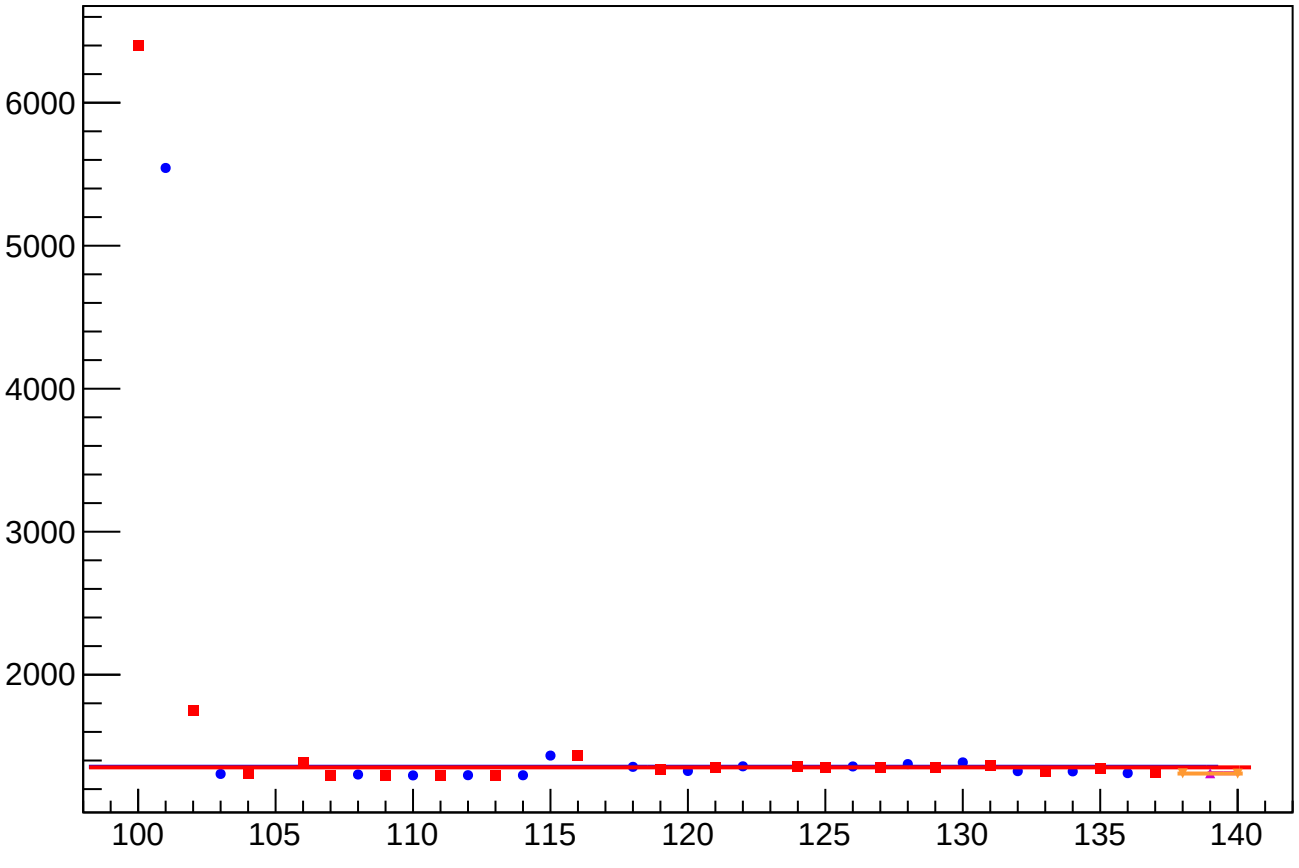
Left: -1138.462+/-833.265 χ^2/NDF: 1.8/2

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 24.307+/-486.657 χ^2/NDF:25.6/16

Out: -153.917+/-451.527 χ^2/NDF:10.1/20

All: -71.469+/-331.001 χ^2/NDF: 35.8/37



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1308.908+/-0.726 χ^2/NDF:2.3/1

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1311.137+/-1.008 χ^2/NDF:0.0/0

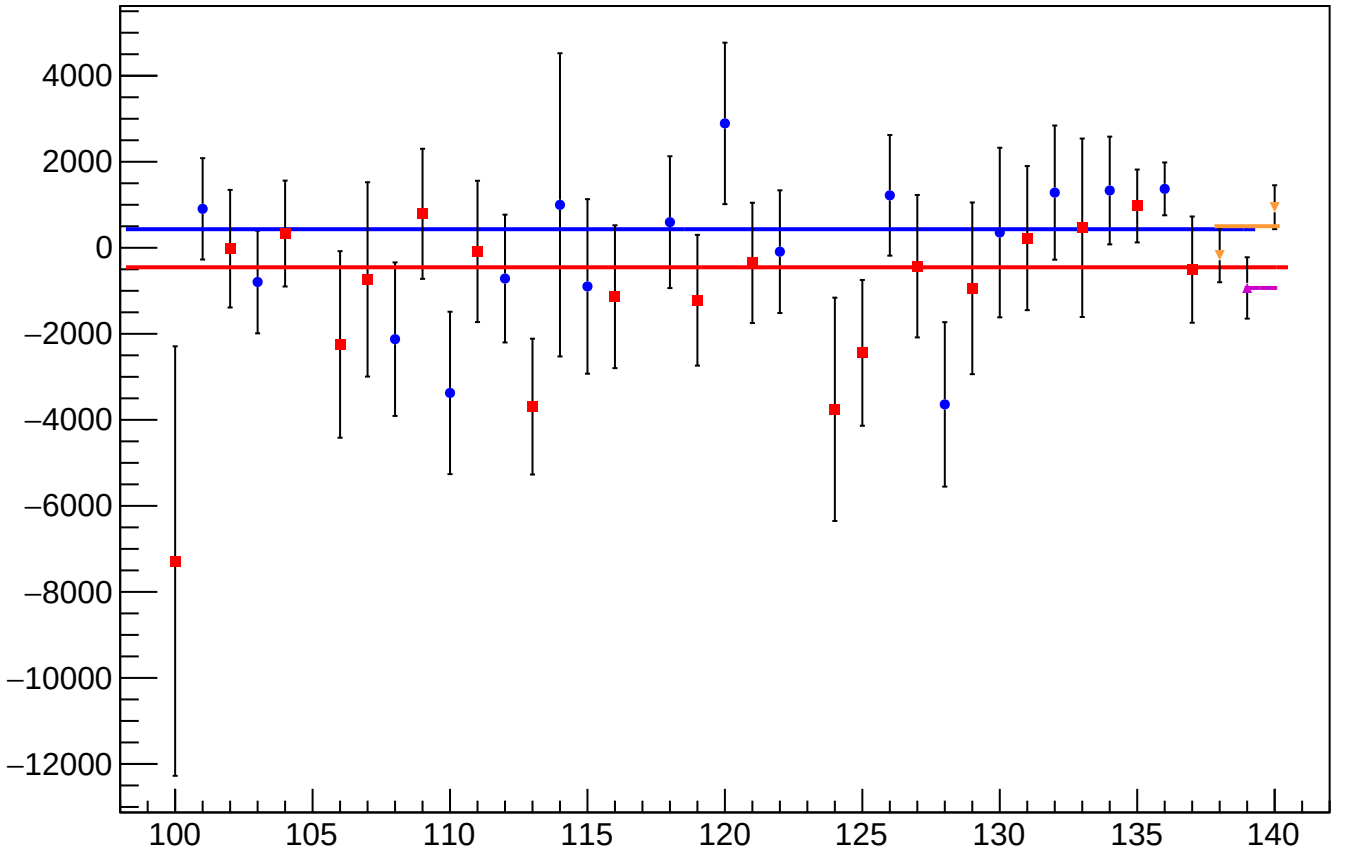
Left: 1309.670+/-0.589 χ^2/NDF: 5.6/2

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1351.118+/-0.344 χ^2/NDF:762047.7/16

Out: 1343.741+/-0.319 χ^2/NDF:150179.6/20

All: 1347.154+/-0.234 χ^2/NDF: 912474.3/37



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 502.029+/-396.396 χ^2/NDF:1.9/1

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -933.541+/-713.007 χ^2/NDF:0.0/0

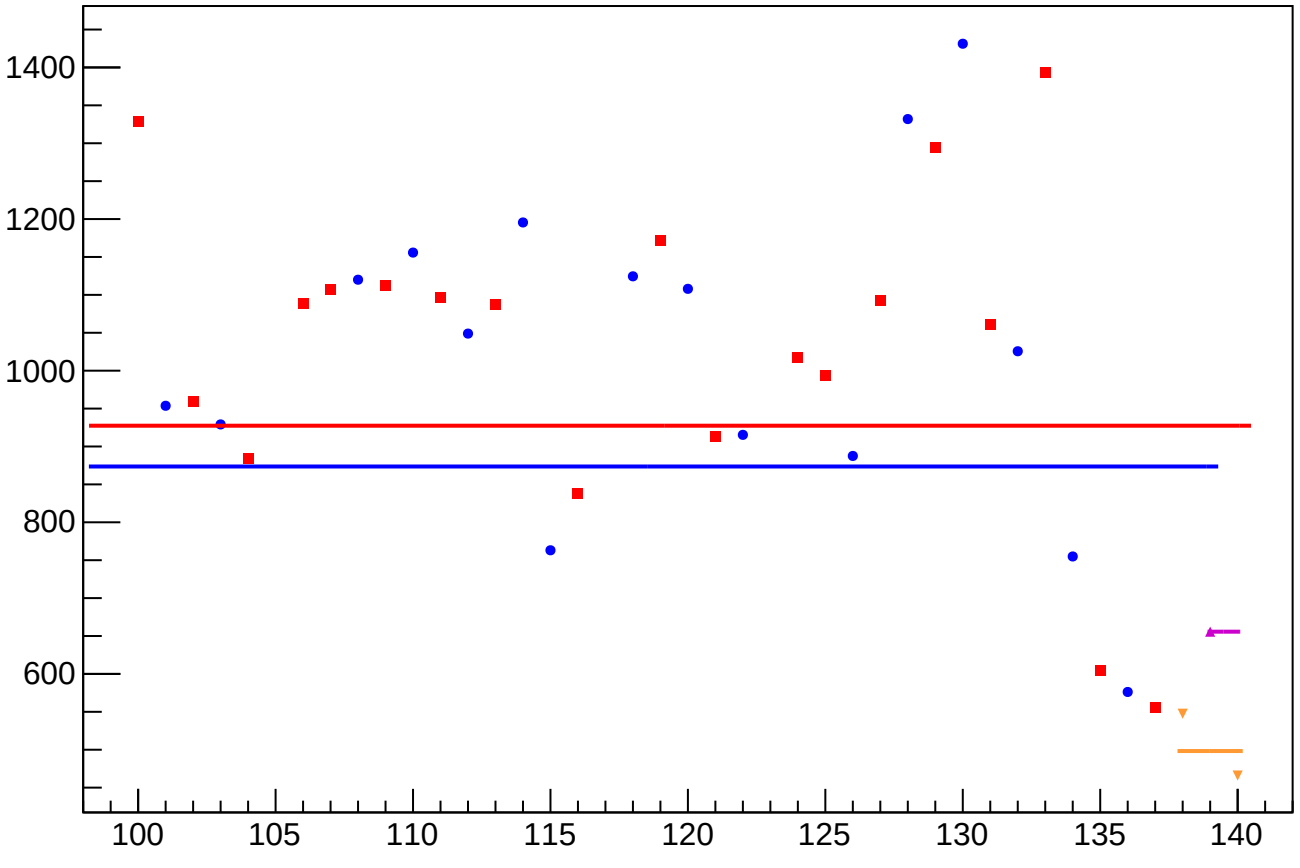
Left: 163.084+/-346.455 χ^2/NDF: 5.0/2

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 181.062+/-305.717 χ^2/NDF:21.2/16

Out: -27.167+/-264.699 χ^2/NDF:19.8/20

All: 62.051+/-200.113 χ^2/NDF: 41.3/37



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 498.265+/-0.280 χ^2/NDF:20240.4/1

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 655.710+/-0.504 χ^2/NDF:0.0/0

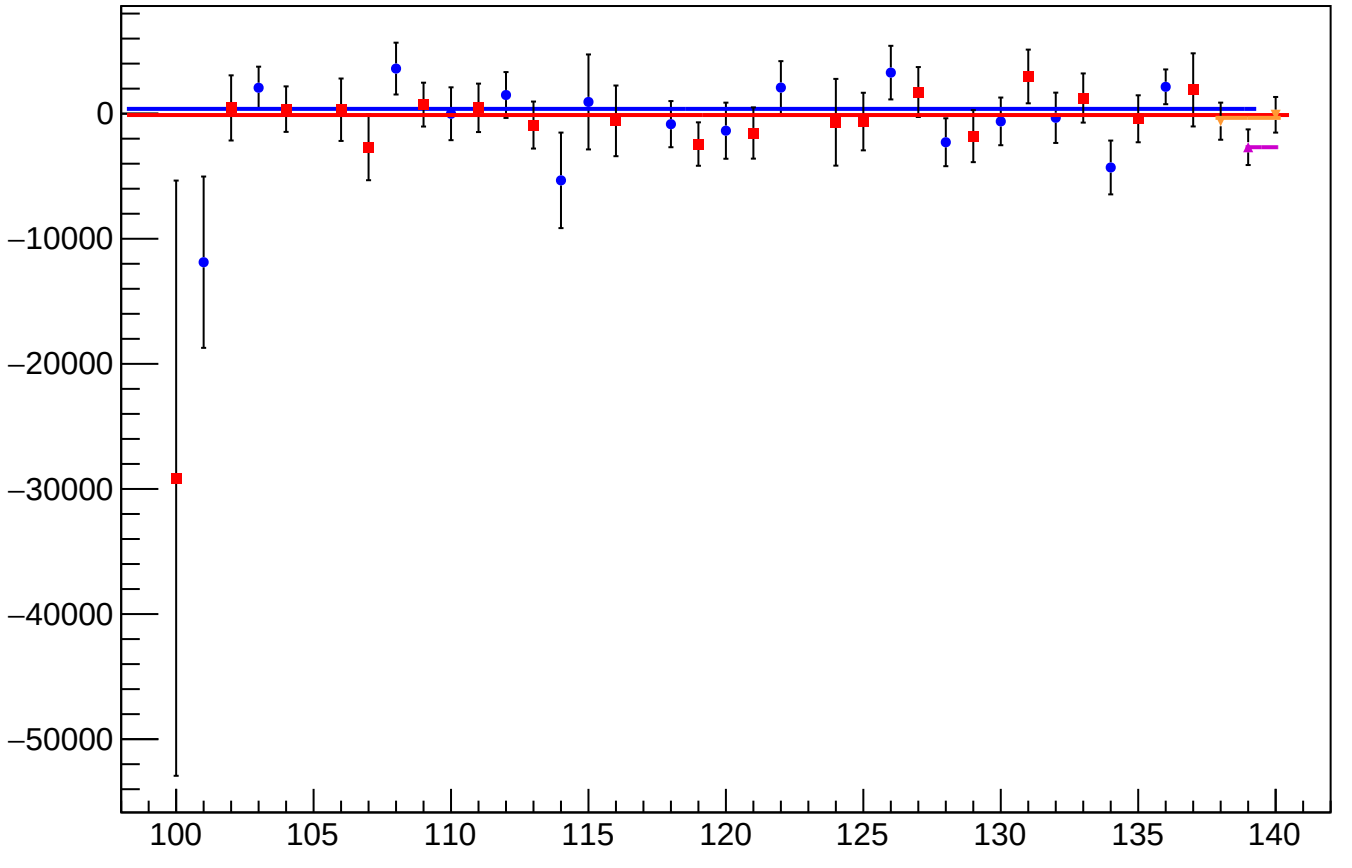
Left: 535.438+/-0.245 χ^2/NDF: 94737.4/2

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 833.547+/-0.216 χ^2/NDF:1166850.4/16

Out: 736.049+/-0.187 χ^2/NDF:2166464.6/20

All: 777.823+/-0.142 χ^2/NDF: 3449573.9/37



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -336.111+/-1027.191 χ^2/NDF:0.1/1

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -2682.558+/-1424.971 χ^2/NDF:0.0/0

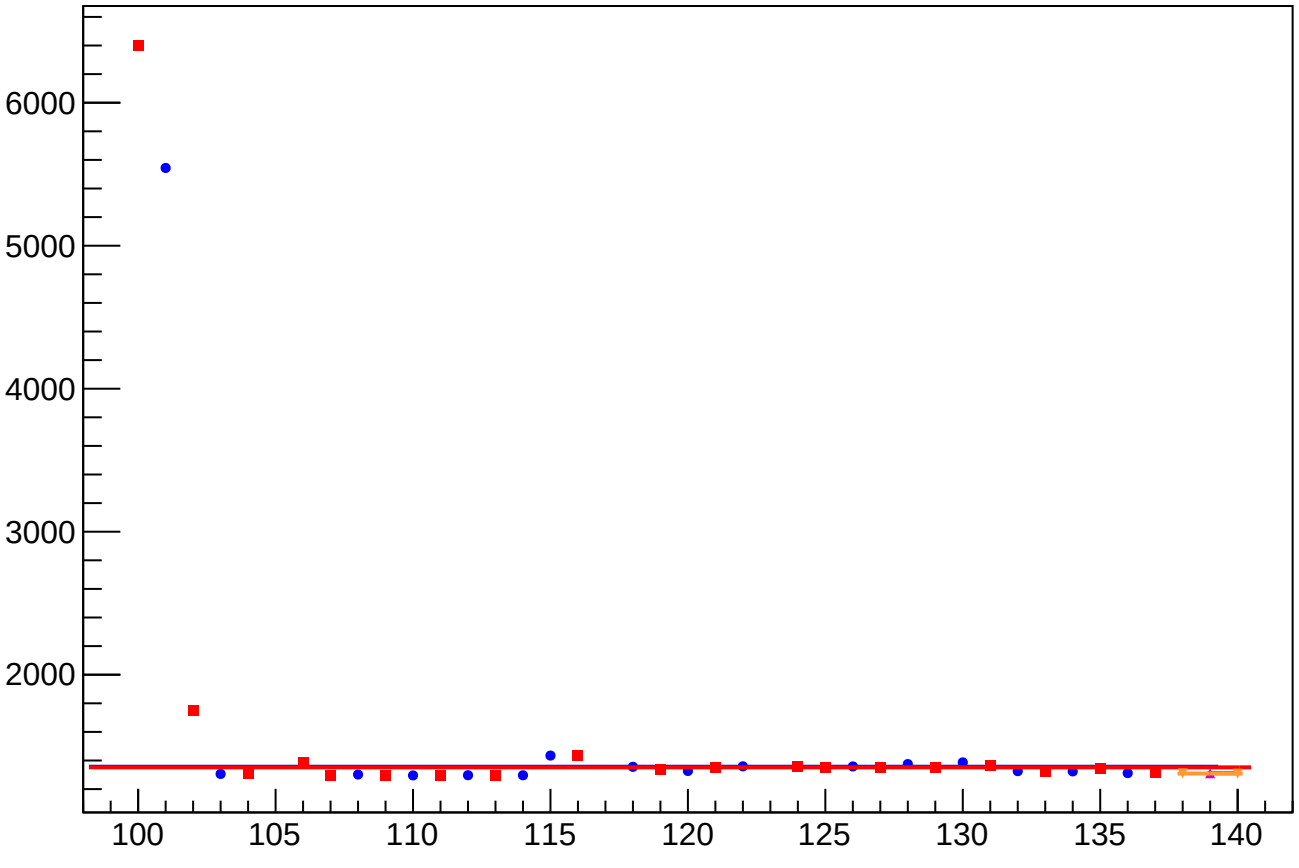
Left: -1138.462+/-833.265 χ^2/NDF: 1.8/2

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 24.307+/-486.657 χ^2/NDF:25.6/16

Out: -153.917+/-451.527 χ^2/NDF:10.1/20

All: -71.469+/-331.001 χ^2/NDF: 35.8/37



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1308.908+/-0.726 χ^2/NDF:2.3/1

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1311.137+/-1.008 χ^2/NDF:0.0/0

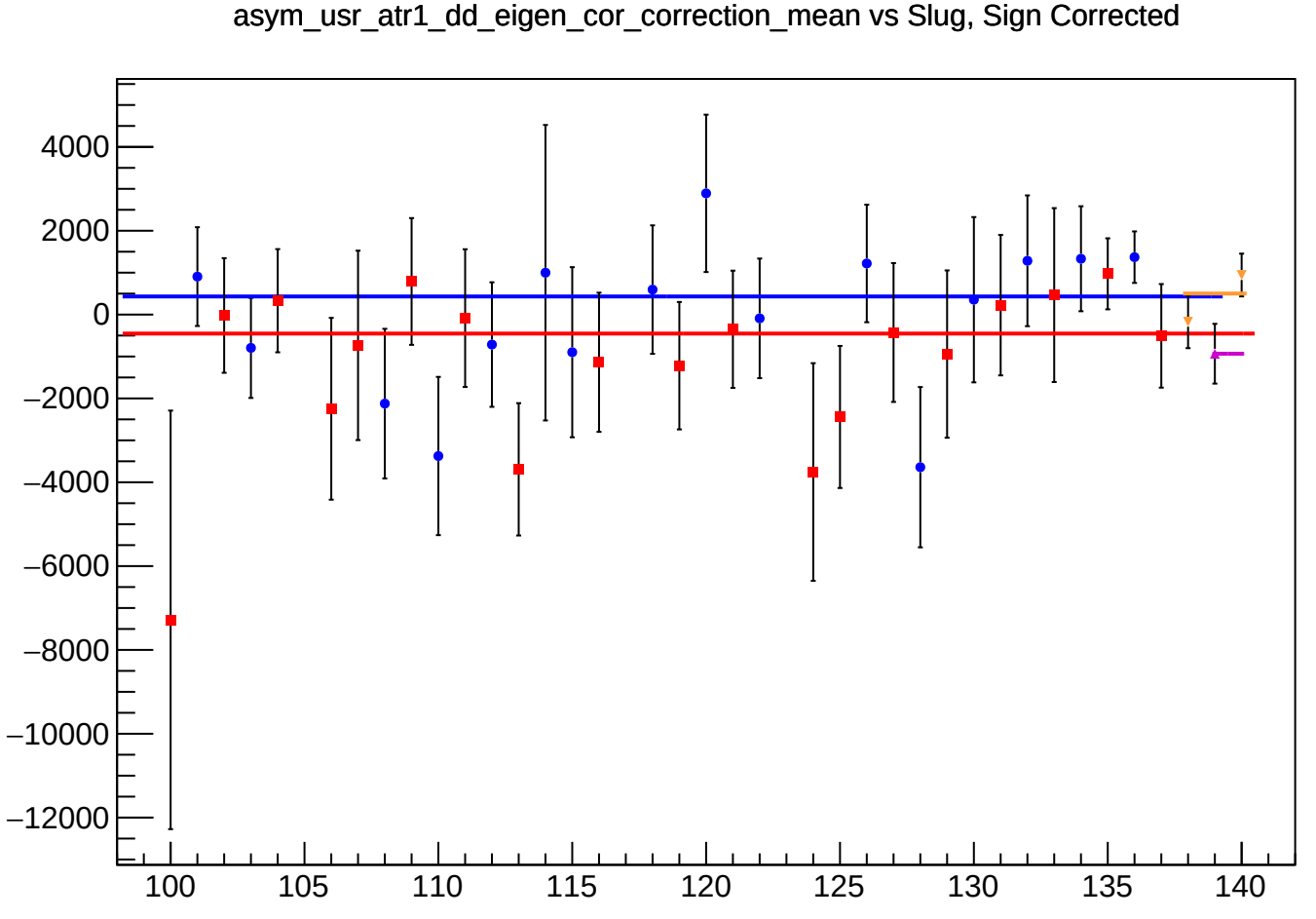
Left: 1309.670+/-0.589 χ^2/NDF: 5.6/2

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1351.118+/-0.344 χ^2/NDF:762047.7/16

Out: 1343.741+/-0.319 χ^2/NDF:150179.6/20

All: 1347.154+/-0.234 χ^2/NDF: 912474.3/37



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 502.029+/-396.396 χ^2/NDF:1.9/1

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -933.541+/-713.007 χ^2/NDF:0.0/0

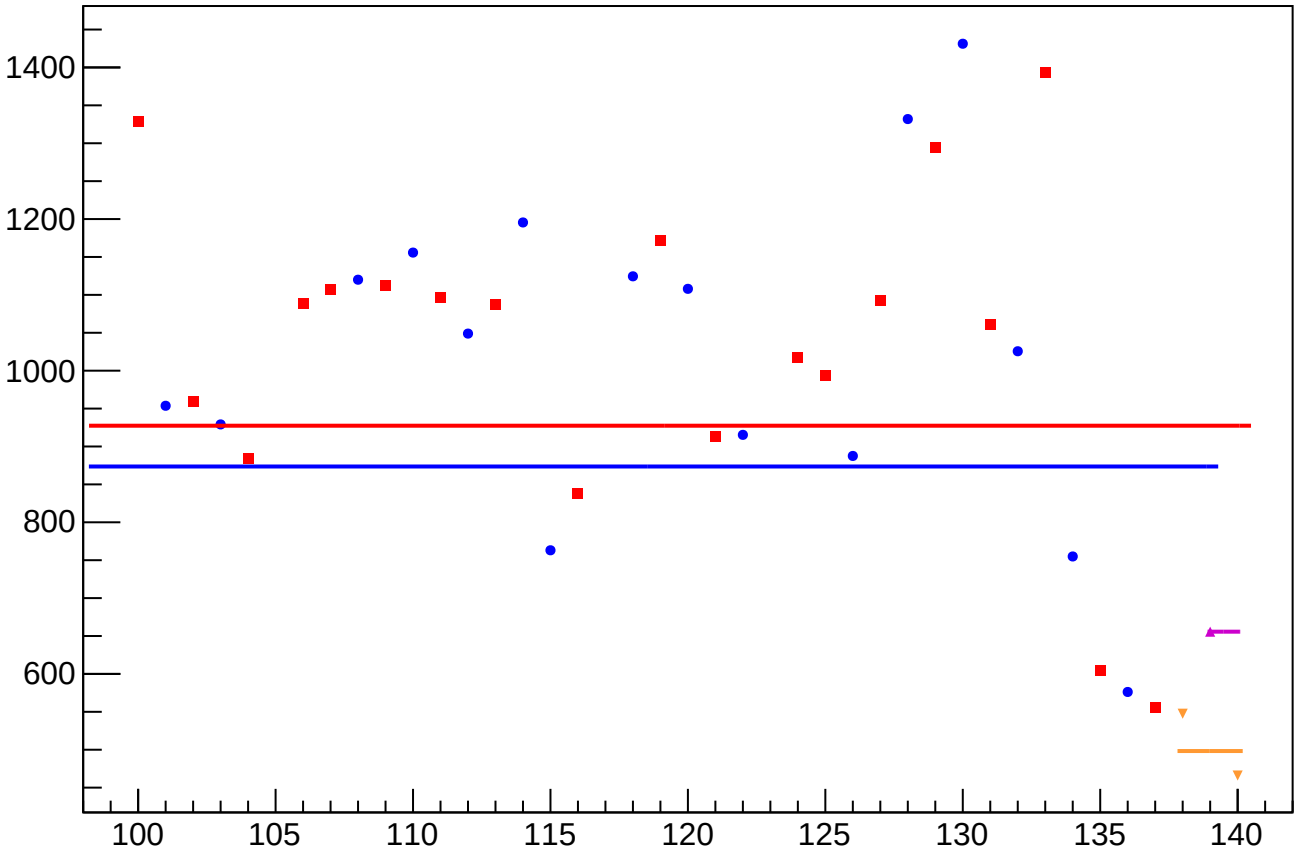
Left: 163.084+/-346.455 χ^2/NDF: 5.0/2

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 181.062+/-305.717 χ^2/NDF:21.2/16

Out: -27.167+/-264.699 χ^2/NDF:19.8/20

All: 62.051+/-200.113 χ^2/NDF: 41.3/37



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 498.265+/-0.280 χ^2/NDF:20240.4/1

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 655.710+/-0.504 χ^2/NDF:0.0/0

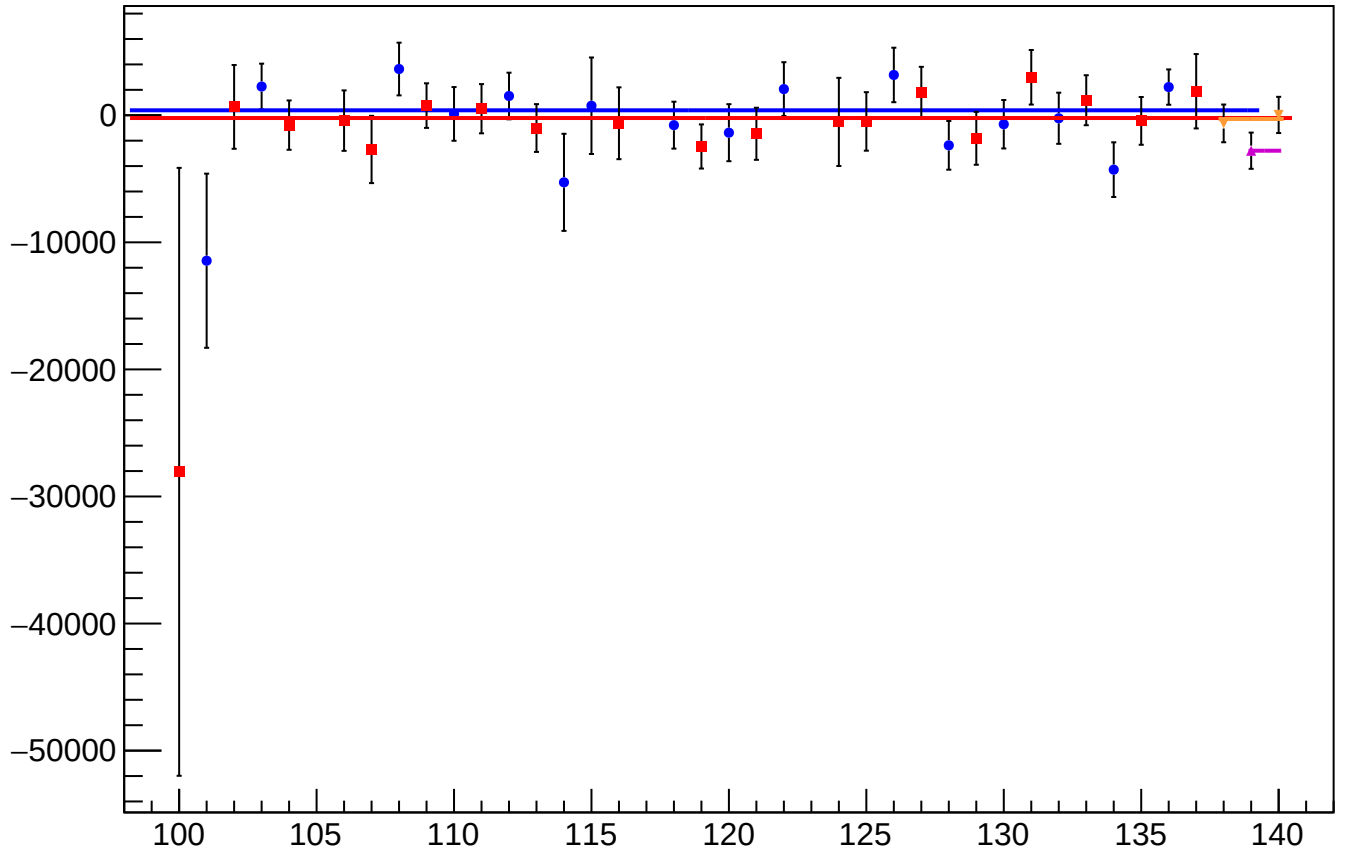
Left: 535.438+/-0.245 χ^2/NDF: 94737.4/2

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 833.547+/-0.216 χ^2/NDF:1166850.4/16

Out: 736.049+/-0.187 χ^2/NDF:2166464.6/20

All: 777.823+/-0.142 χ^2/NDF: 3449573.9/37



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -294.364+/-1028.120 χ^2/NDF:0.1/1

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -2790.331+/-1426.181 χ^2/NDF:0.0/0

Left: -1147.905+/-834.003 χ^2/NDF: 2.1/2

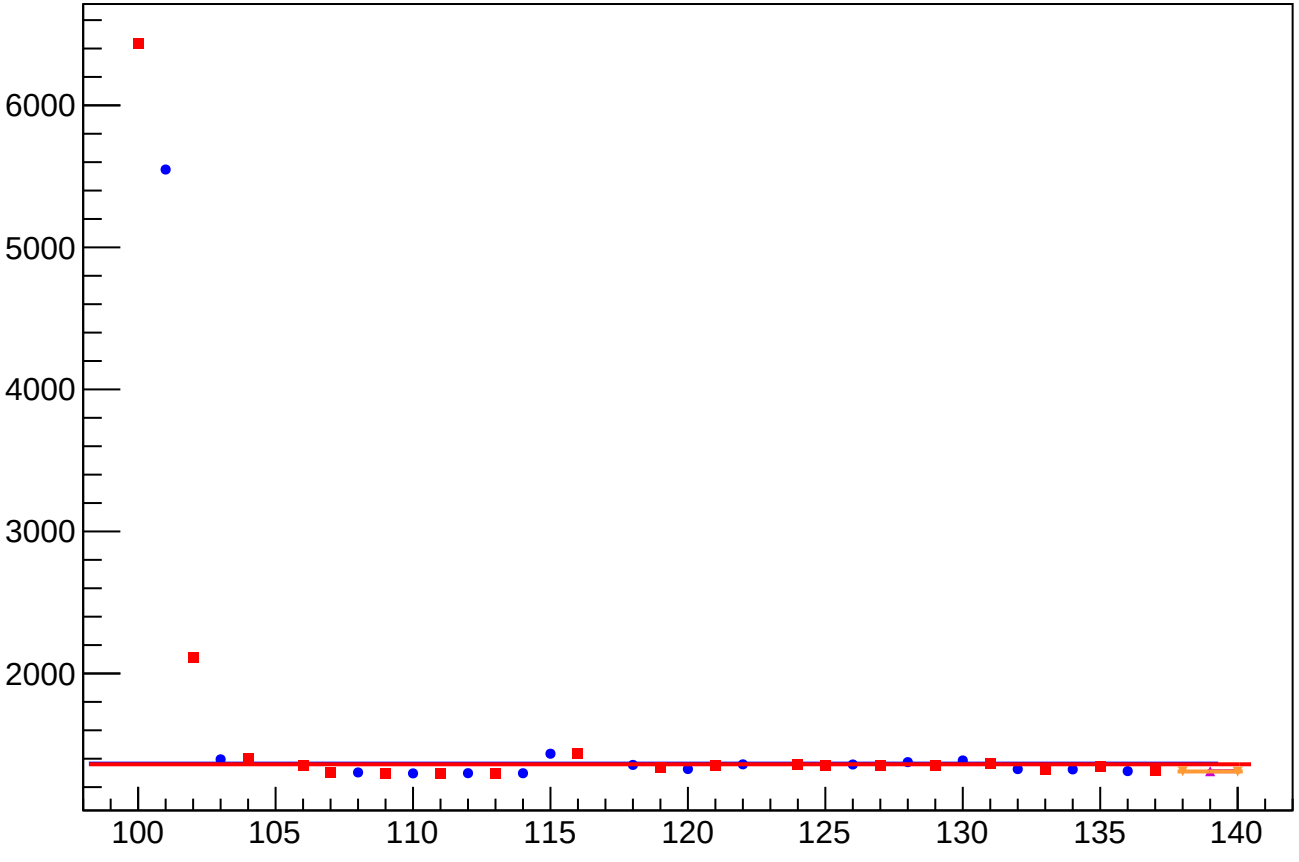
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 15.303+/-489.500 χ^2/NDF:25.8/16

Out: -233.129+/-455.385 χ^2/NDF:10.1/20

All: -117.871+/-333.415 χ^2/NDF: 36.0/37

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1310.090+/-0.727 χ^2/NDF:2.8/1

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1312.245+/-1.008 χ^2/NDF:0.0/0

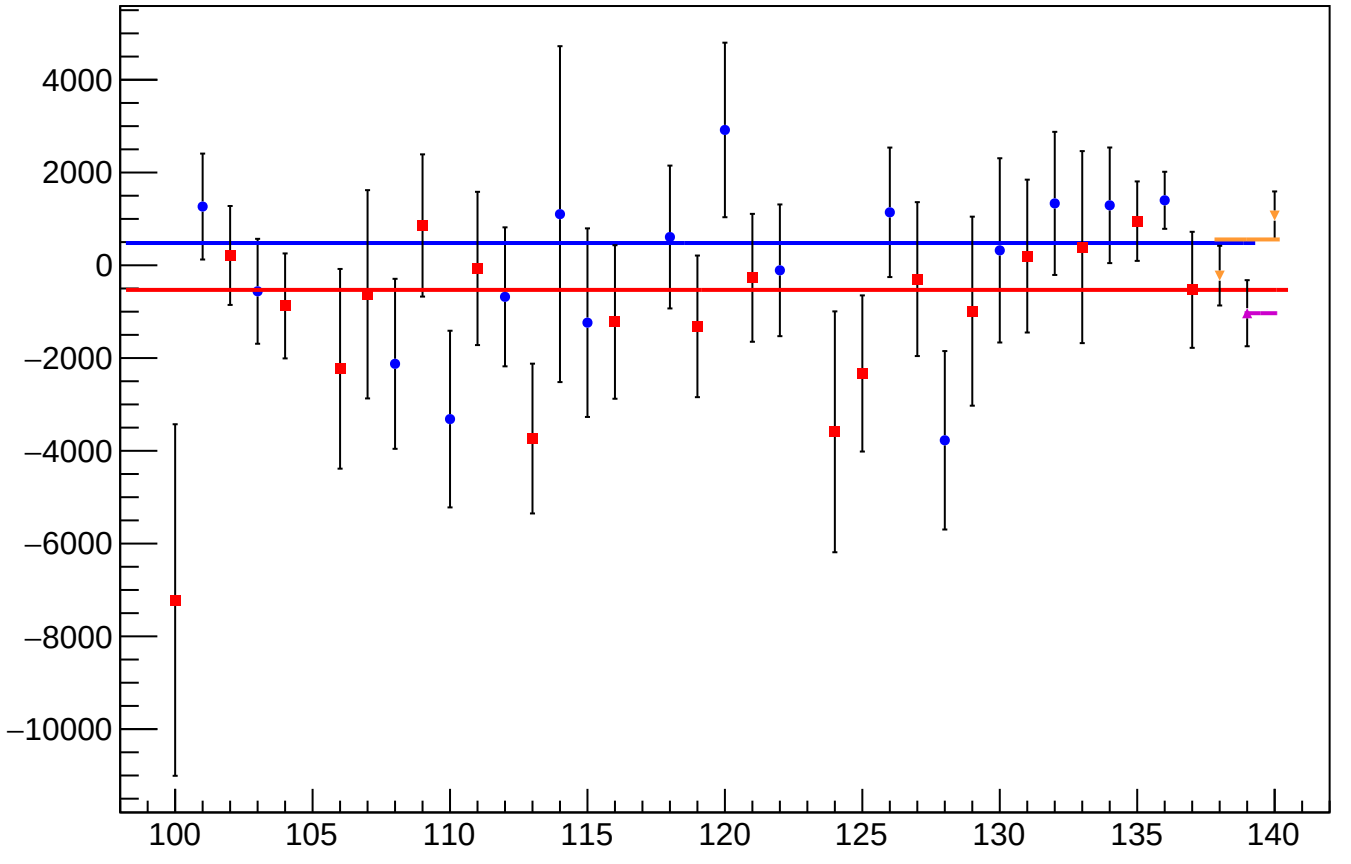
Left: 1310.827+/-0.590 χ^2/NDF: 5.8/2

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1359.052+/-0.346 χ^2/NDF:761386.7/16

Out: 1350.828+/-0.322 χ^2/NDF:209224.4/20

All: 1354.643+/-0.236 χ^2/NDF: 970913.7/37



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 556.987+/-405.327 χ^2/NDF:2.4/1

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -1033.110+/-712.548 χ^2/NDF:0.0/0

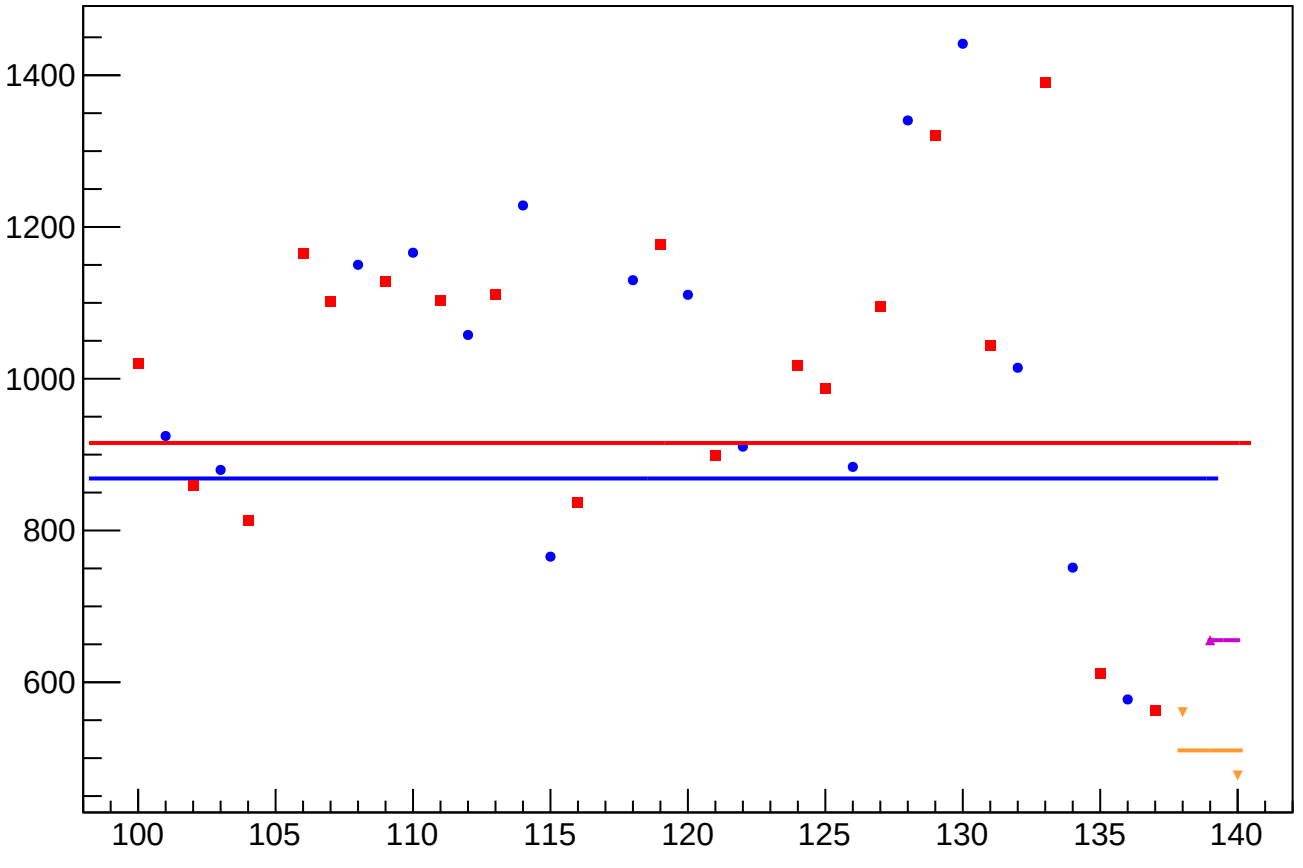
Left: 168.250+/-352.315 χ^2/NDF: 6.2/2

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 204.385+/-304.292 χ^2/NDF:22.3/16

Out: -71.954+/-263.205 χ^2/NDF:22.2/20

All: 46.313+/-199.068 χ^2/NDF: 45.0/37



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 510.199+/-0.287 χ^2/NDF:20272.9/1

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 655.457+/-0.504 χ^2/NDF:0.0/0

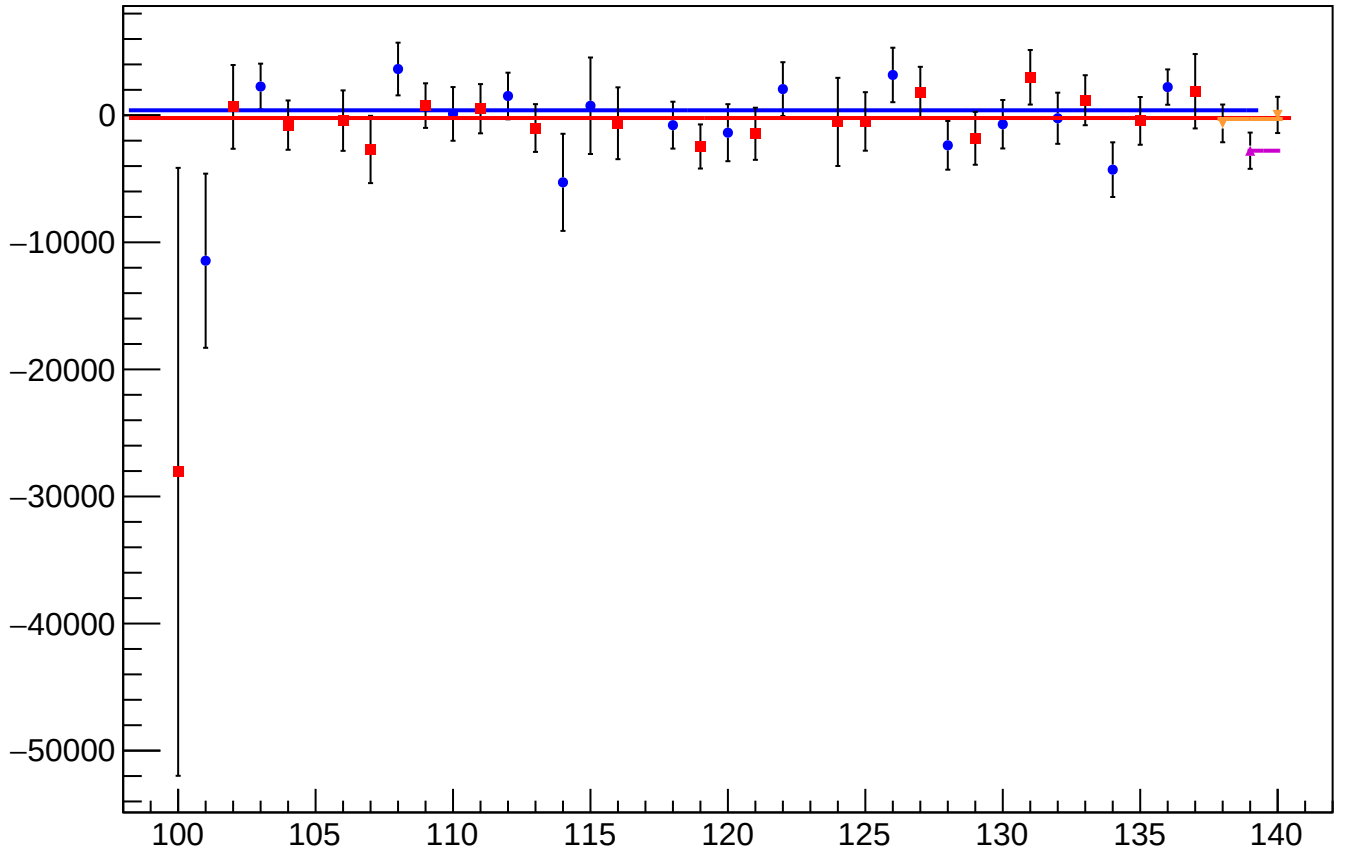
Left: 545.711+/-0.249 χ^2/NDF: 83068.4/2

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 829.706+/-0.215 χ^2/NDF:1167619.2/16

Out: 744.514+/-0.186 χ^2/NDF:2034881.5/20

All: 780.975+/-0.141 χ^2/NDF: 3292173.4/37



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -294.364+/-1028.120 χ^2/NDF:0.1/1

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -2790.334+/-1426.181 χ^2/NDF:0.0/0

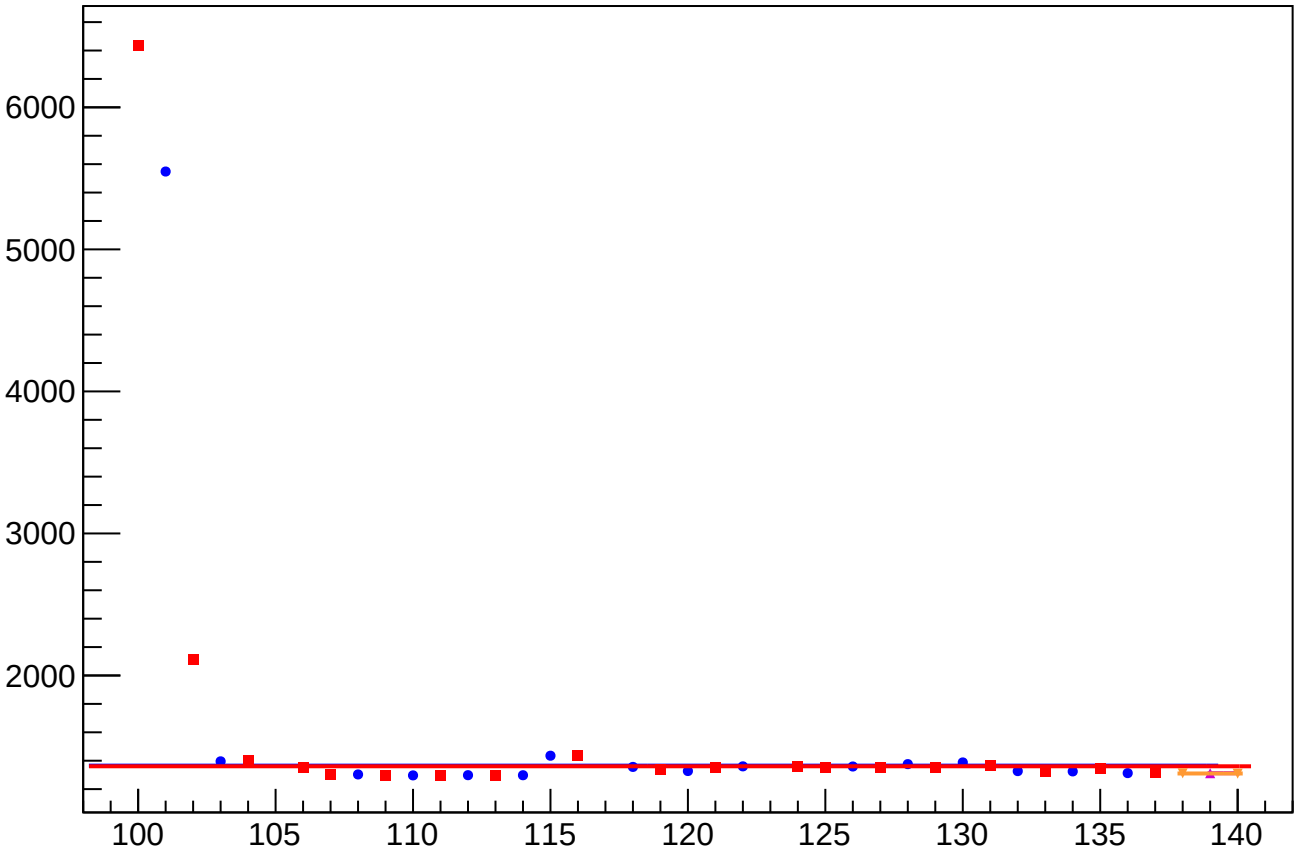
Left: -1147.905+/-834.003 χ^2/NDF: 2.1/2

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 15.302+/-489.500 χ^2/NDF:25.8/16

Out: -233.128+/-455.385 χ^2/NDF:10.1/20

All: -117.871+/-333.415 χ^2/NDF: 36.0/37



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1310.090+/-0.727 χ^2/NDF:2.8/1

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1312.245+/-1.008 χ^2/NDF:0.0/0

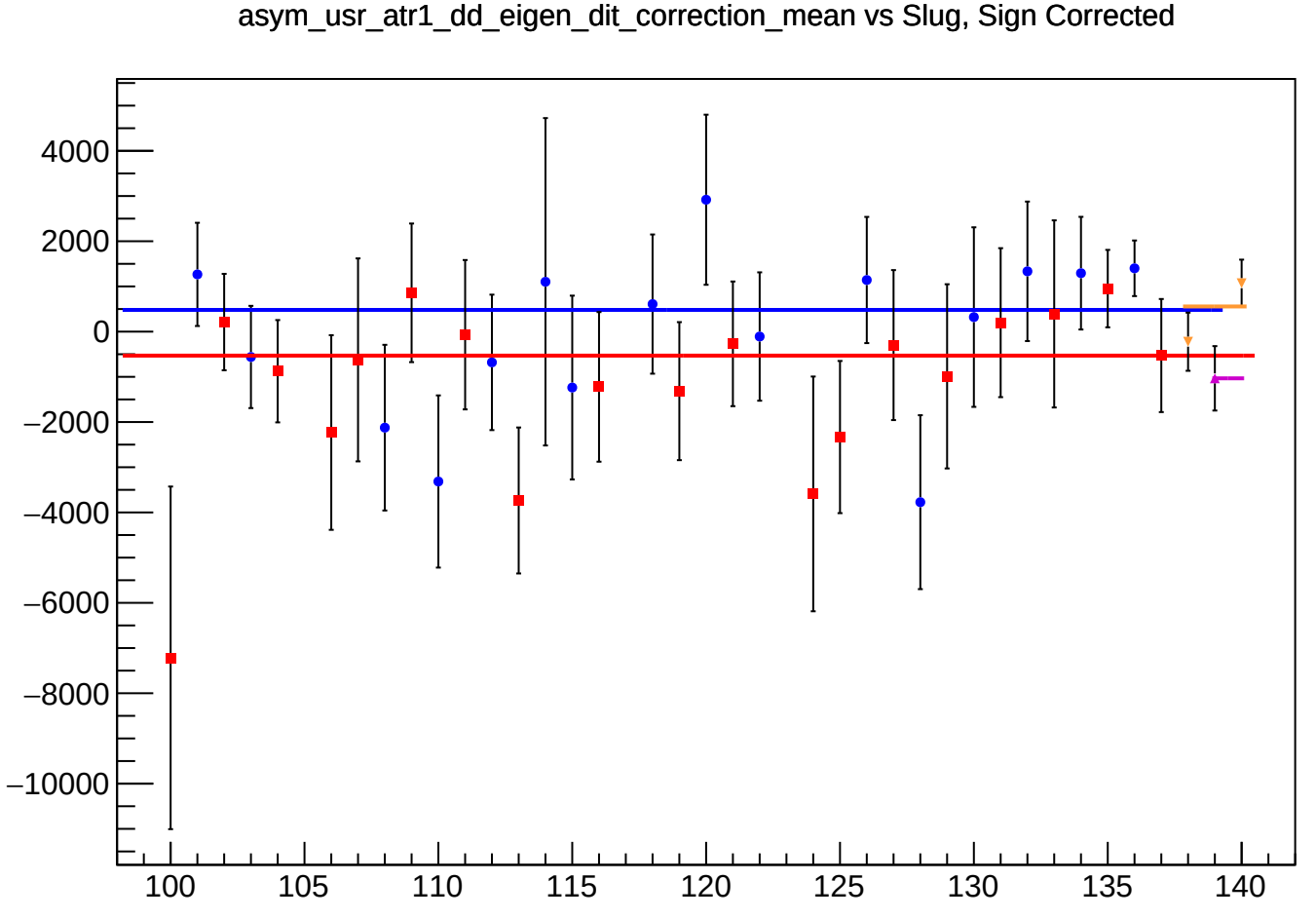
Left: 1310.827+/-0.590 χ^2/NDF: 5.8/2

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1359.052+/-0.346 χ^2/NDF:761386.7/16

Out: 1350.828+/-0.322 χ^2/NDF:209224.3/20

All: 1354.643+/-0.236 χ^2/NDF: 970913.6/37



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 556.991+/-405.327 χ^2/NDF:2.4/1

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: -1033.114+/-712.551 χ^2/NDF:0.0/0

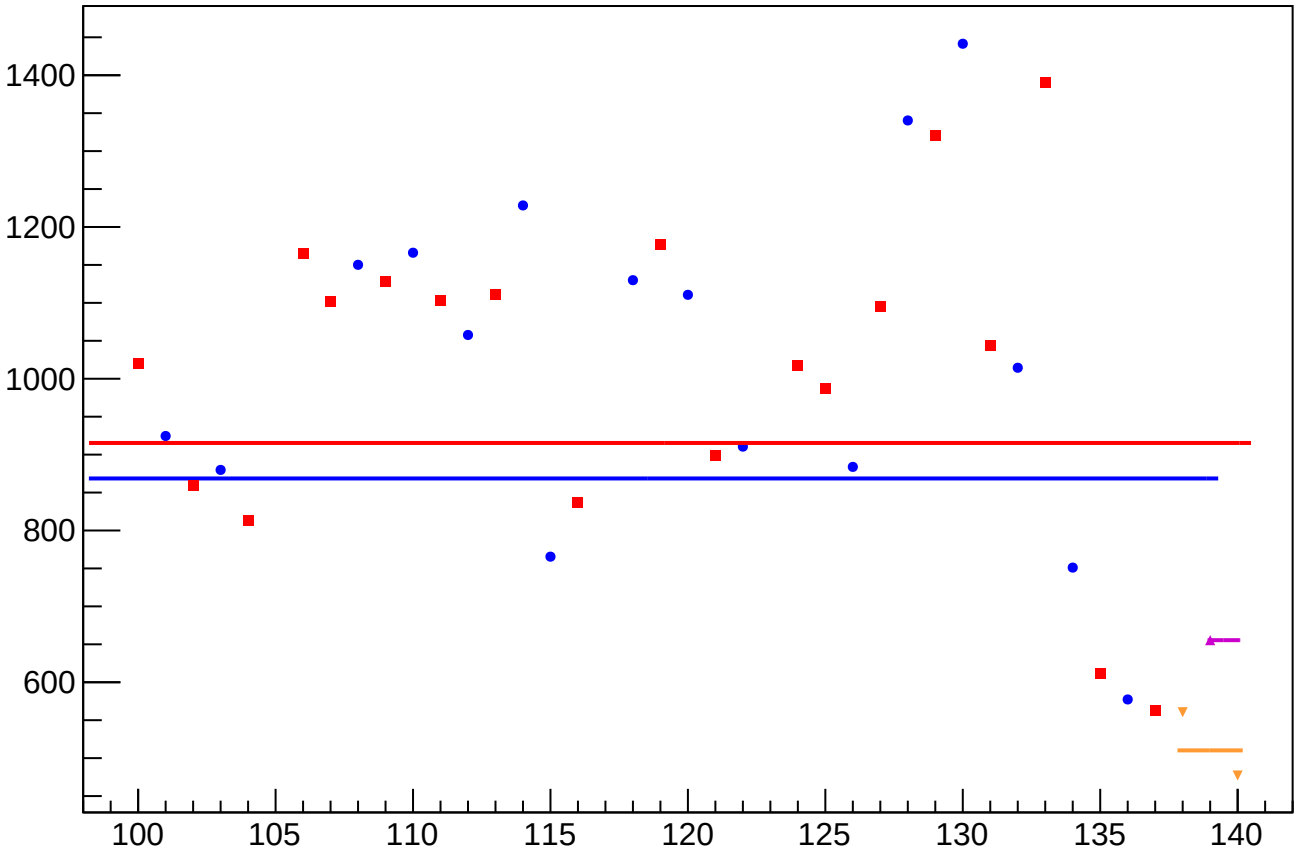
Left: 168.254+/-352.315 χ^2/NDF: 6.2/2

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 204.385+/-304.291 χ^2/NDF:22.3/16

Out: -71.953+/-263.205 χ^2/NDF:22.2/20

All: 46.313+/-199.067 χ^2/NDF: 45.0/37



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 510.199+/-0.287 χ^2/NDF:20274.4/1

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 655.460+/-0.504 χ^2/NDF:0.0/0

Left: 545.711+/-0.249 χ^2/NDF: 83071.8/2

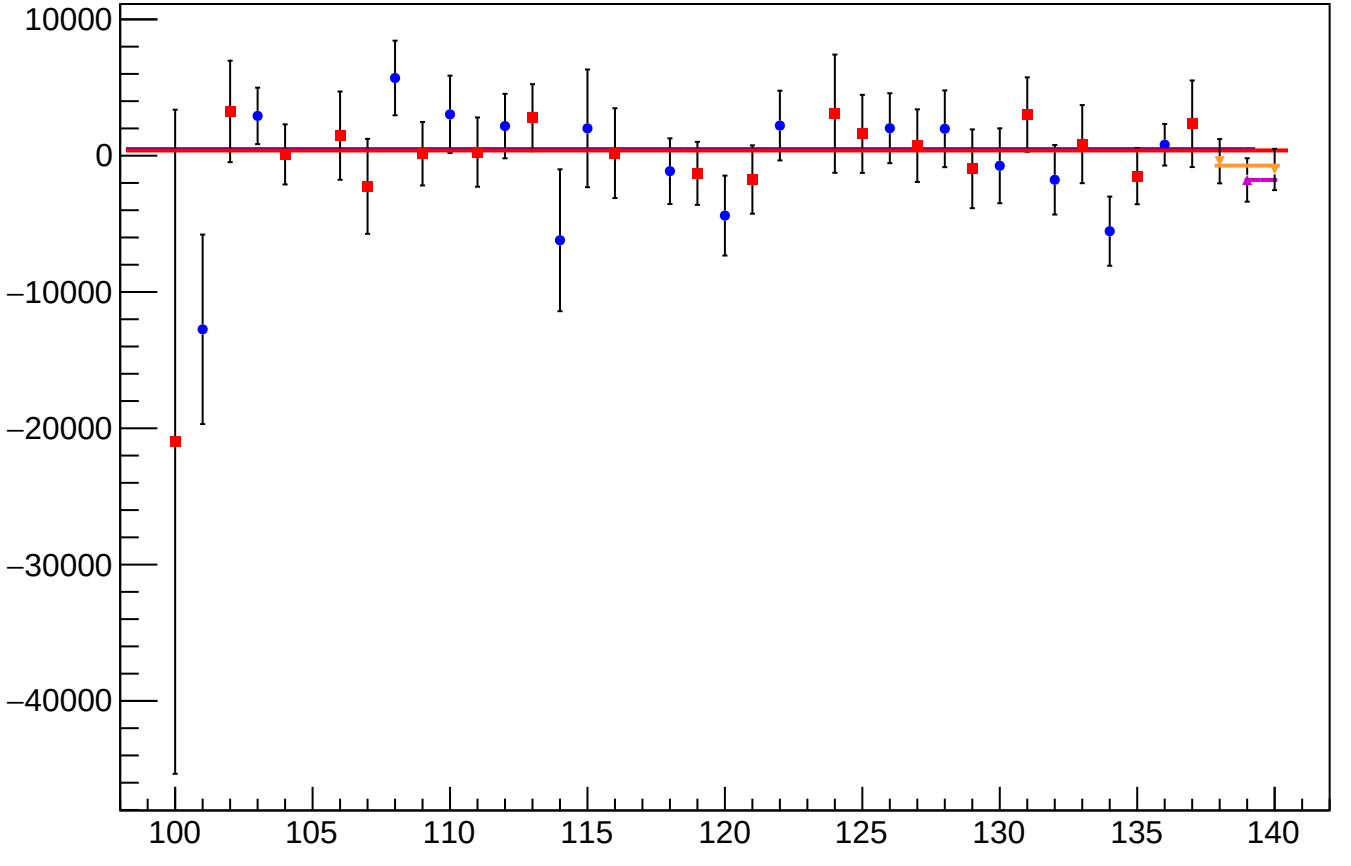
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 829.705+/-0.215 χ^2/NDF:1167609.9/16

Out: 744.514+/-0.186 χ^2/NDF:2034873.8/20

All: 780.974+/-0.141 χ^2/NDF: 3292155.7/37

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -728.197+/-1108.259 χ^2/NDF:0.1/1

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -1780.051+/-1594.022 χ^2/NDF:0.0/0

Left: -1070.961+/-909.943 χ^2/NDF: 0.4/2

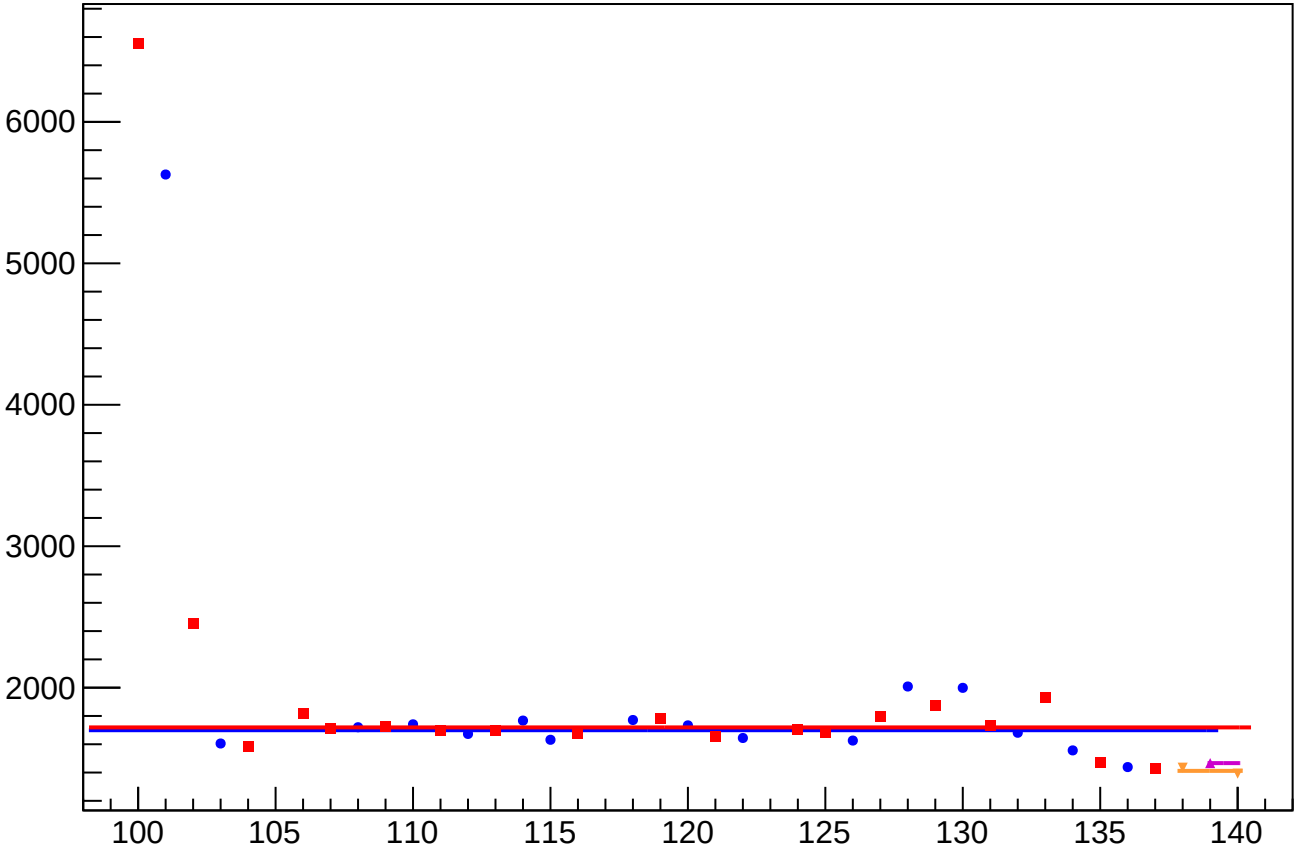
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 152.842+/-601.282 χ^2/NDF:24.4/16

Out: 105.143+/-555.518 χ^2/NDF:8.1/20

All: 127.109+/-408.031 χ^2/NDF: 32.5/37

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1411.797+/-0.784 χ^2/NDF:717.5/1

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1466.671+/-1.127 χ^2/NDF:0.0/0

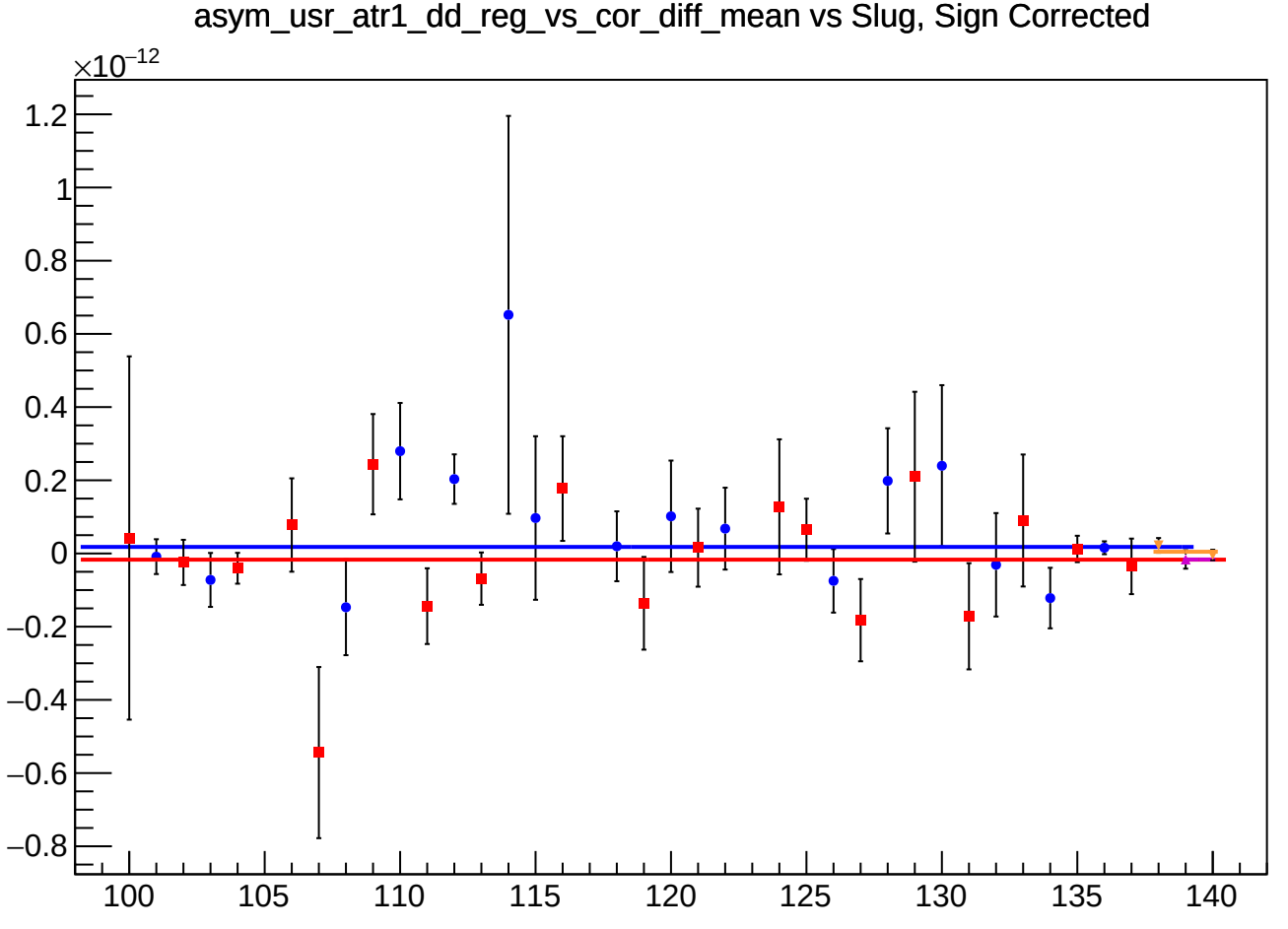
Left: 1429.679+/-0.643 χ^2/NDF: 2315.3/2

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1666.225+/-0.425 χ^2/NDF:798642.1/16

Out: 1641.891+/-0.393 χ^2/NDF:349608.3/20

All: 1653.097+/-0.289 χ^2/NDF: 1150017.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

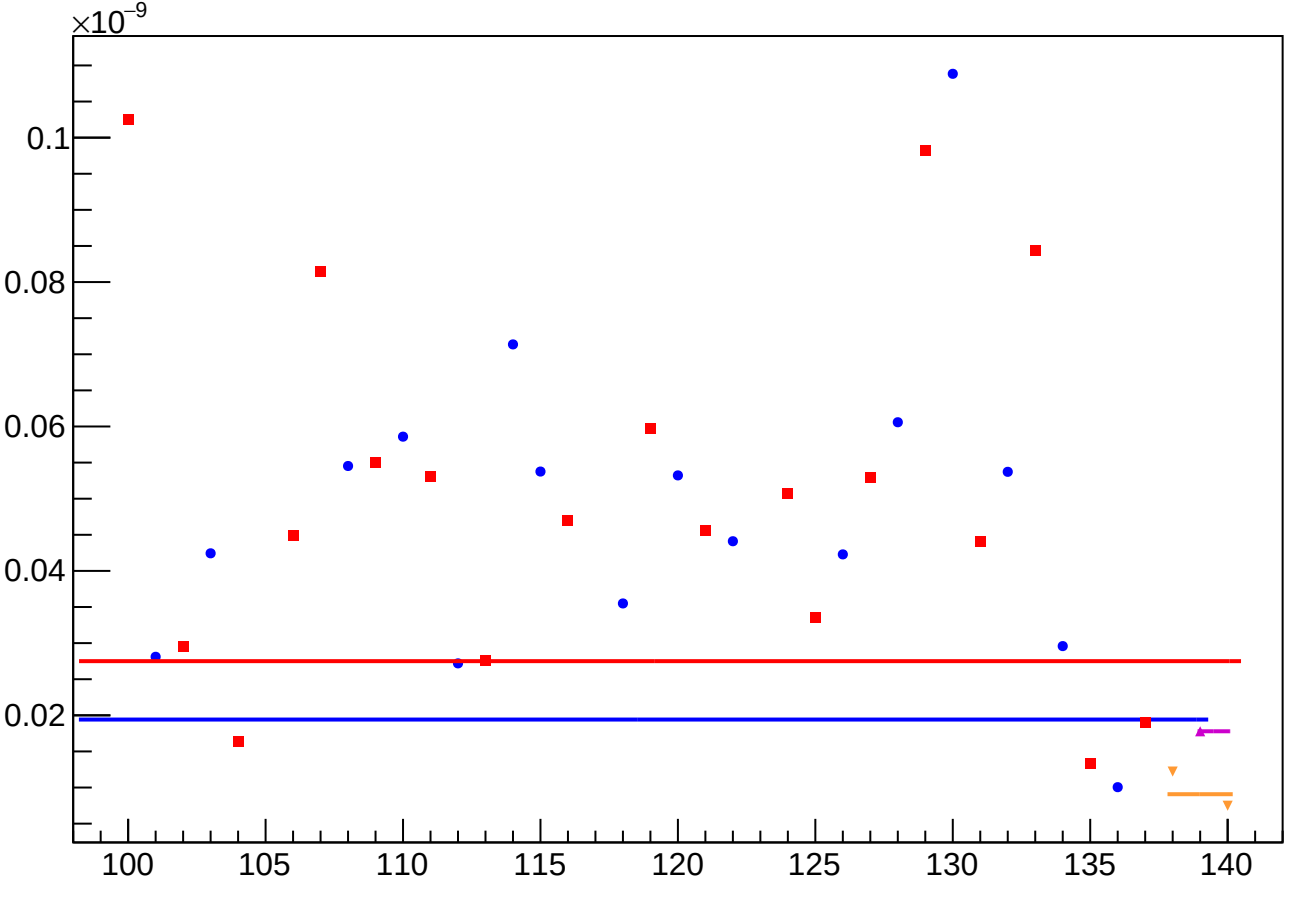
Left: 0.000+/-0.000 χ^2/NDF: 1.7/2

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:25.0/16

Out: -0.000+/-0.000 χ^2/NDF:23.4/20

All: 0.000+/-0.000 χ^2/NDF: 48.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:73369.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 271362.5/2

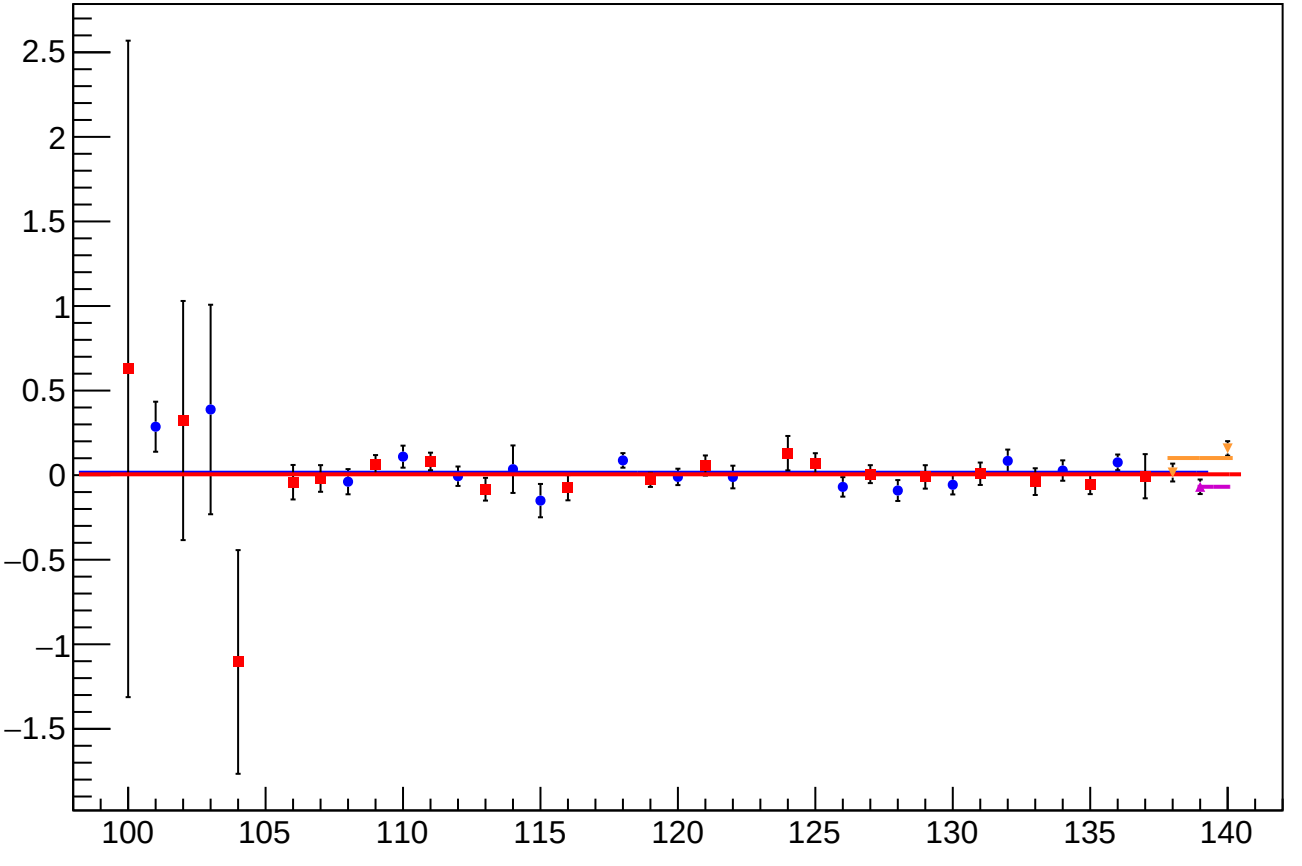
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:2280710.5/16

Out: 0.000+/-0.000 χ^2/NDF:3077773.5/20

All: 0.000+/-0.000 χ^2/NDF: 5549002.4/37

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.101+/-0.033 χ^2/NDF:4.4/1

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.069+/-0.043 χ^2/NDF:0.0/0

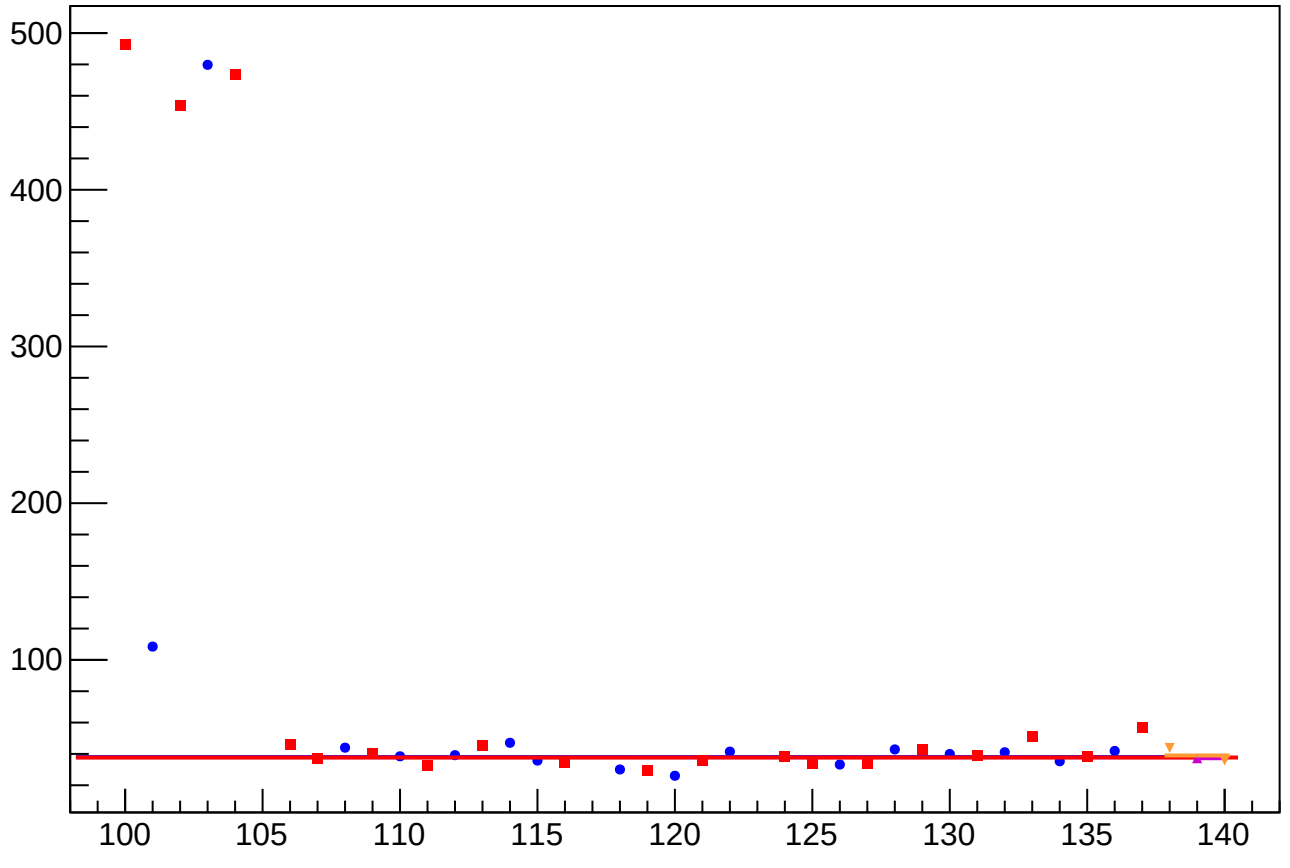
Left: 0.037+/-0.026 χ^2/NDF: 14.1/2

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.004+/-0.015 χ^2/NDF:25.3/16

Out: 0.023+/-0.014 χ^2/NDF:26.0/20

All: 0.014+/-0.010 χ^2/NDF: 52.2/37



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 38.988+/-0.024 χ^2/NDF:27371.5/1

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.258+/-0.030 χ^2/NDF:0.0/0

Left: 38.340+/-0.019 χ^2/NDF: 29392.3/2

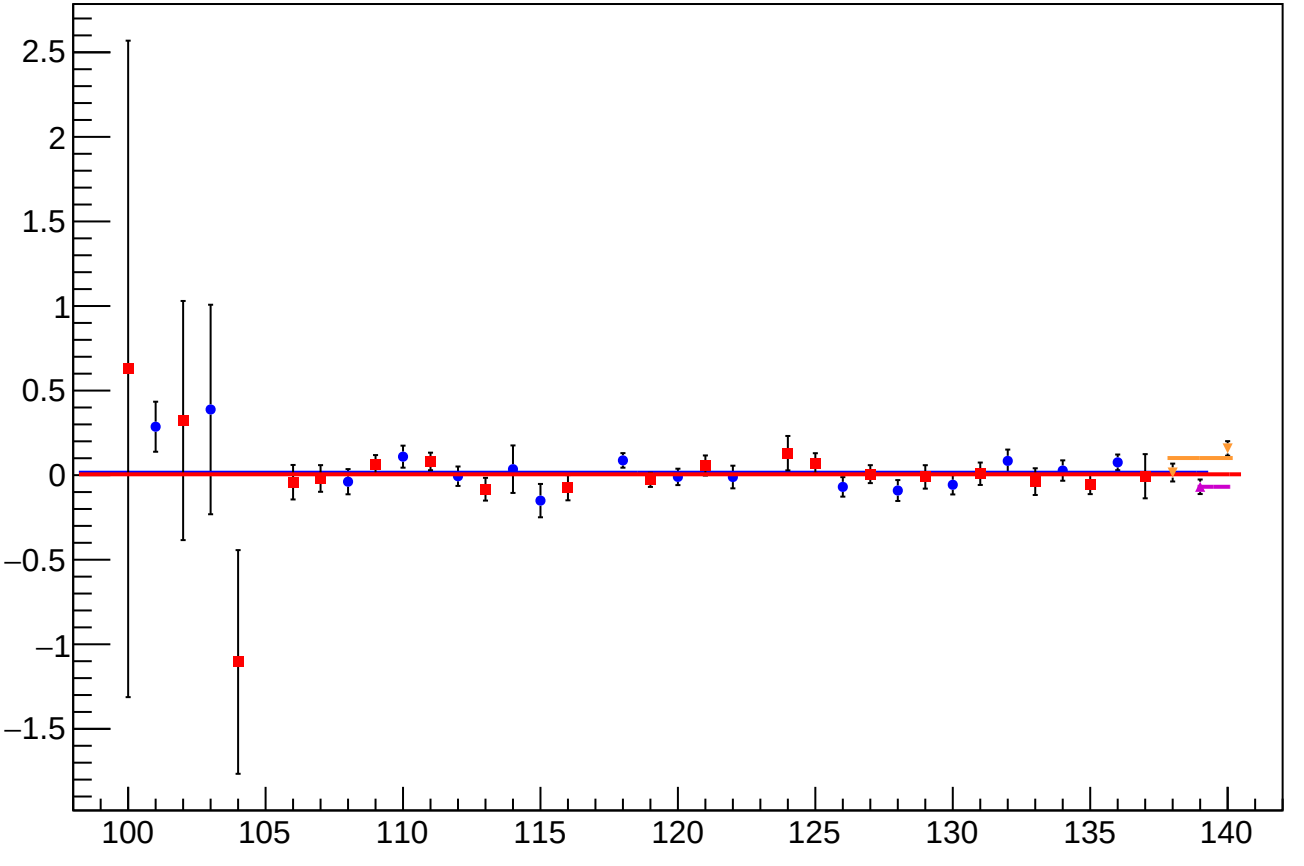
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.860+/-0.011 χ^2/NDF:1740113.9/16

Out: 37.939+/-0.010 χ^2/NDF:1974695.4/20

All: 37.901+/-0.007 χ^2/NDF: 3714838.4/37

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.101+/-0.033 χ^2/NDF:4.4/1

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.069+/-0.043 χ^2/NDF:0.0/0

Left: 0.037+/-0.026 χ^2/NDF: 14.1/2

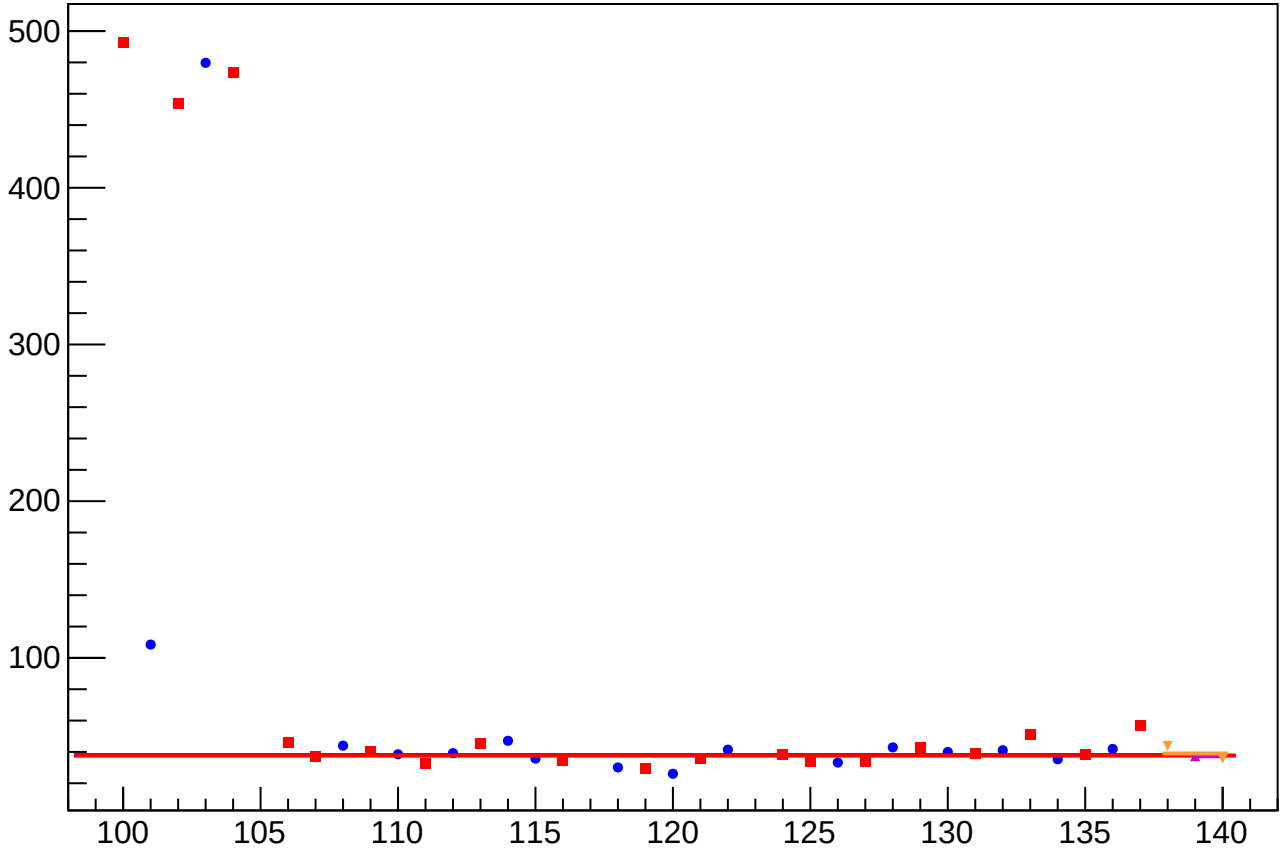
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.004+/-0.015 χ^2/NDF:25.3/16

Out: 0.023+/-0.014 χ^2/NDF:26.0/20

All: 0.014+/-0.010 χ^2/NDF: 52.2/37

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 38.988+/-0.024 χ^2/NDF:27371.5/1

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.258+/-0.030 χ^2/NDF:0.0/0

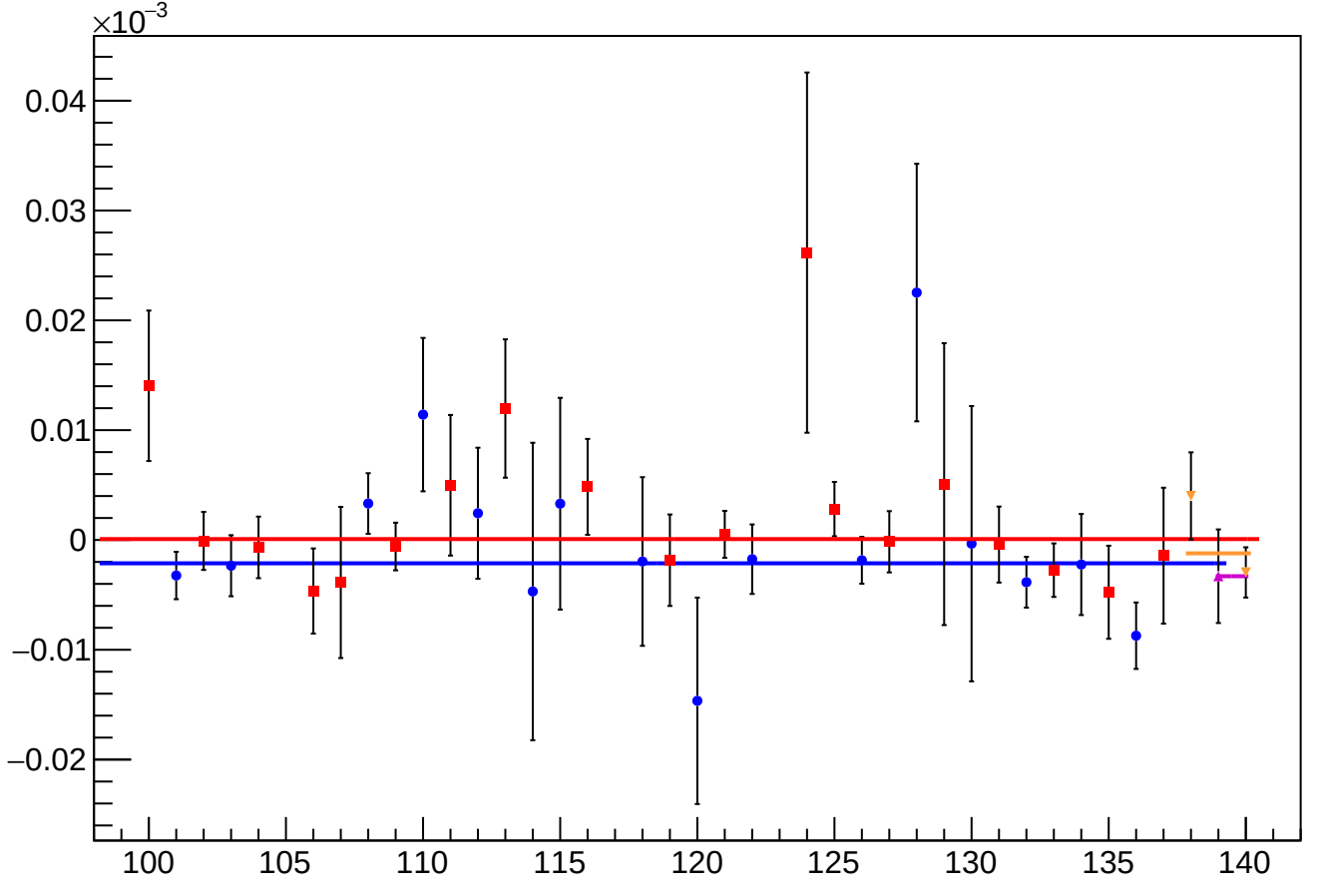
Left: 38.340+/-0.019 χ^2/NDF: 29392.3/2

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.860+/-0.011 χ^2/NDF:1740113.9/16

Out: 37.939+/-0.010 χ^2/NDF:1974695.4/20

All: 37.901+/-0.007 χ^2/NDF: 3714838.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

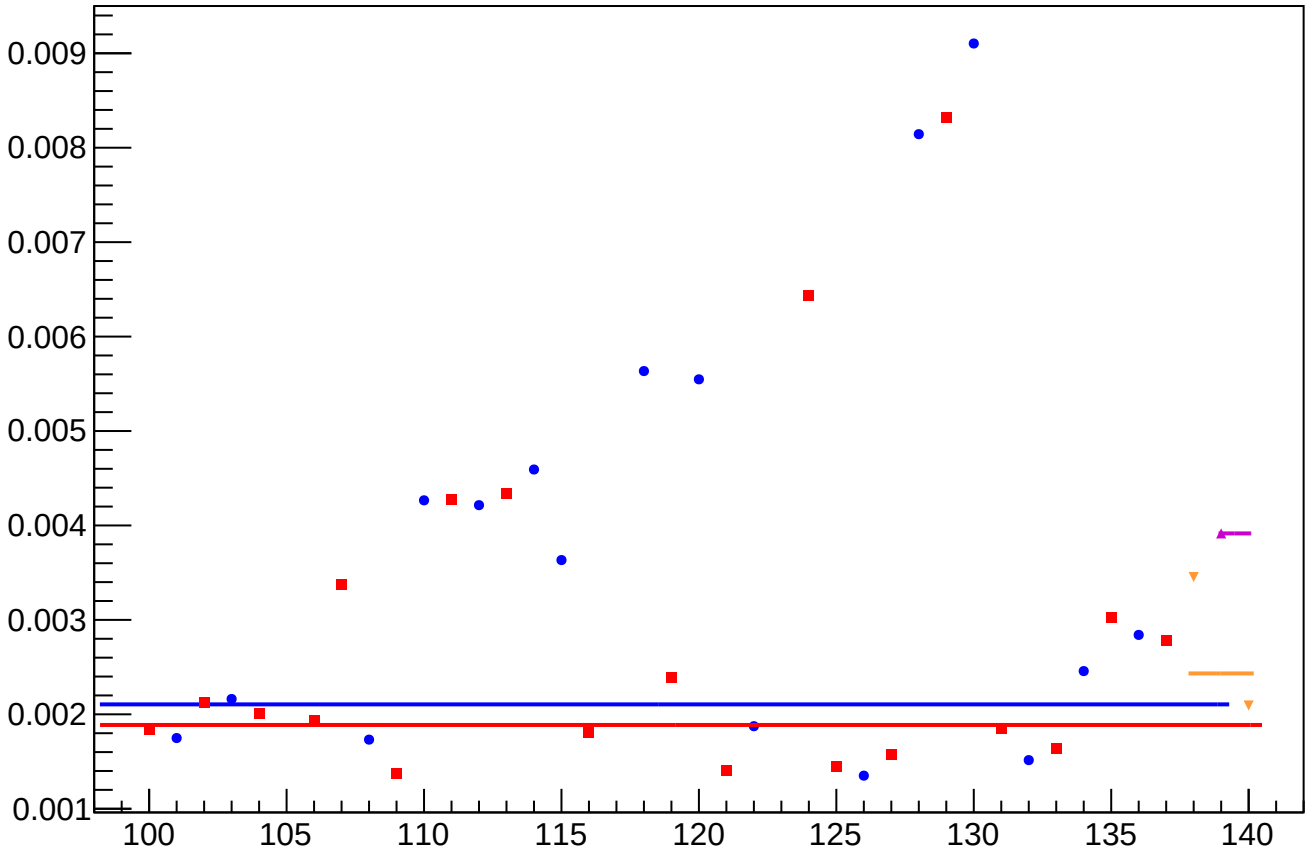
Left: -0.000+/-0.000 χ^2/NDF: 2.5/2

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:20.5/16

Out: -0.000+/-0.000 χ^2/NDF:21.1/20

All: -0.000+/-0.000 χ^2/NDF: 44.9/37



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:176348.9/1

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.004+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 375439.0/2

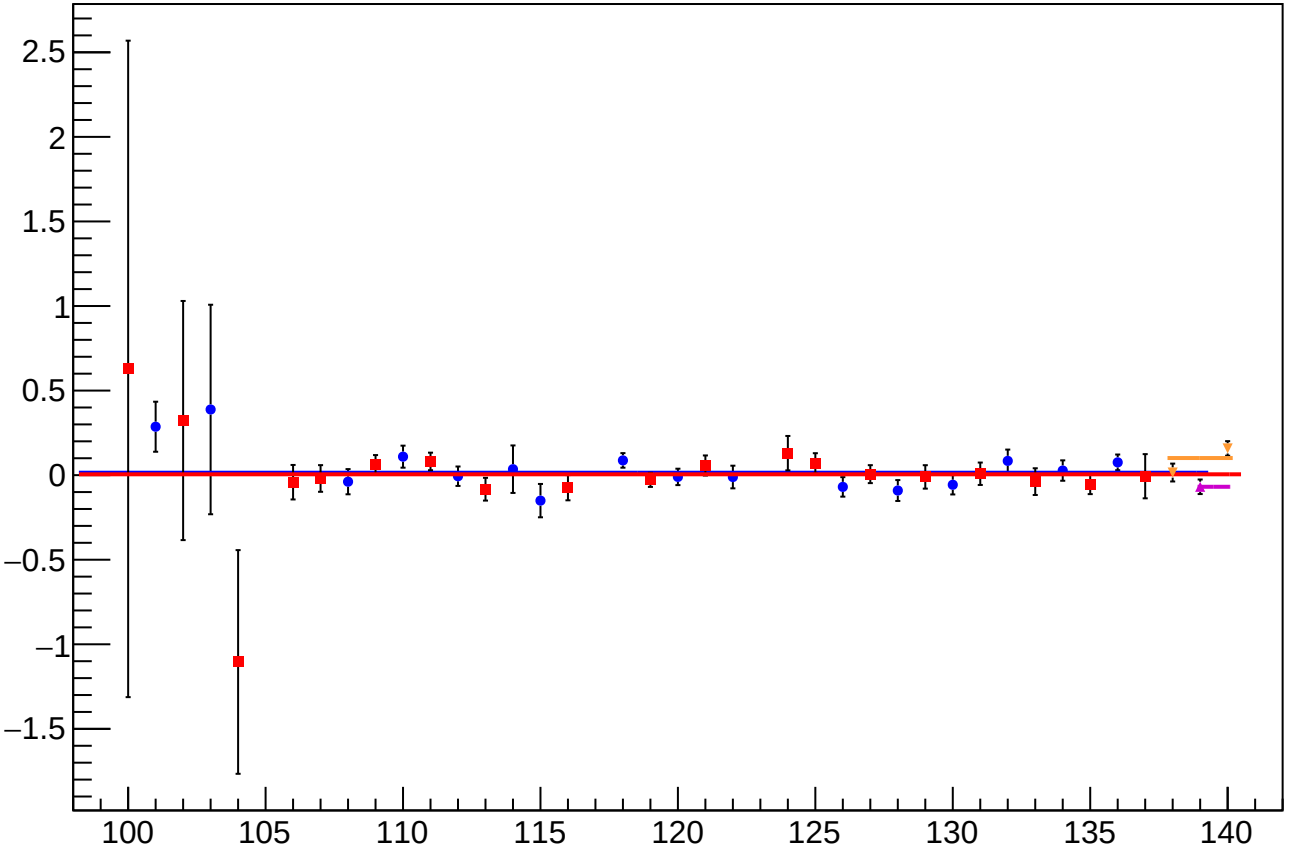
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:3363196.4/16

Out: 0.002+/-0.000 χ^2/NDF:2199129.3/20

All: 0.002+/-0.000 χ^2/NDF: 5636472.3/37

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: 0.101+/-0.033 χ^2/NDF:4.4/1

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.069+/-0.043 χ^2/NDF:0.0/0

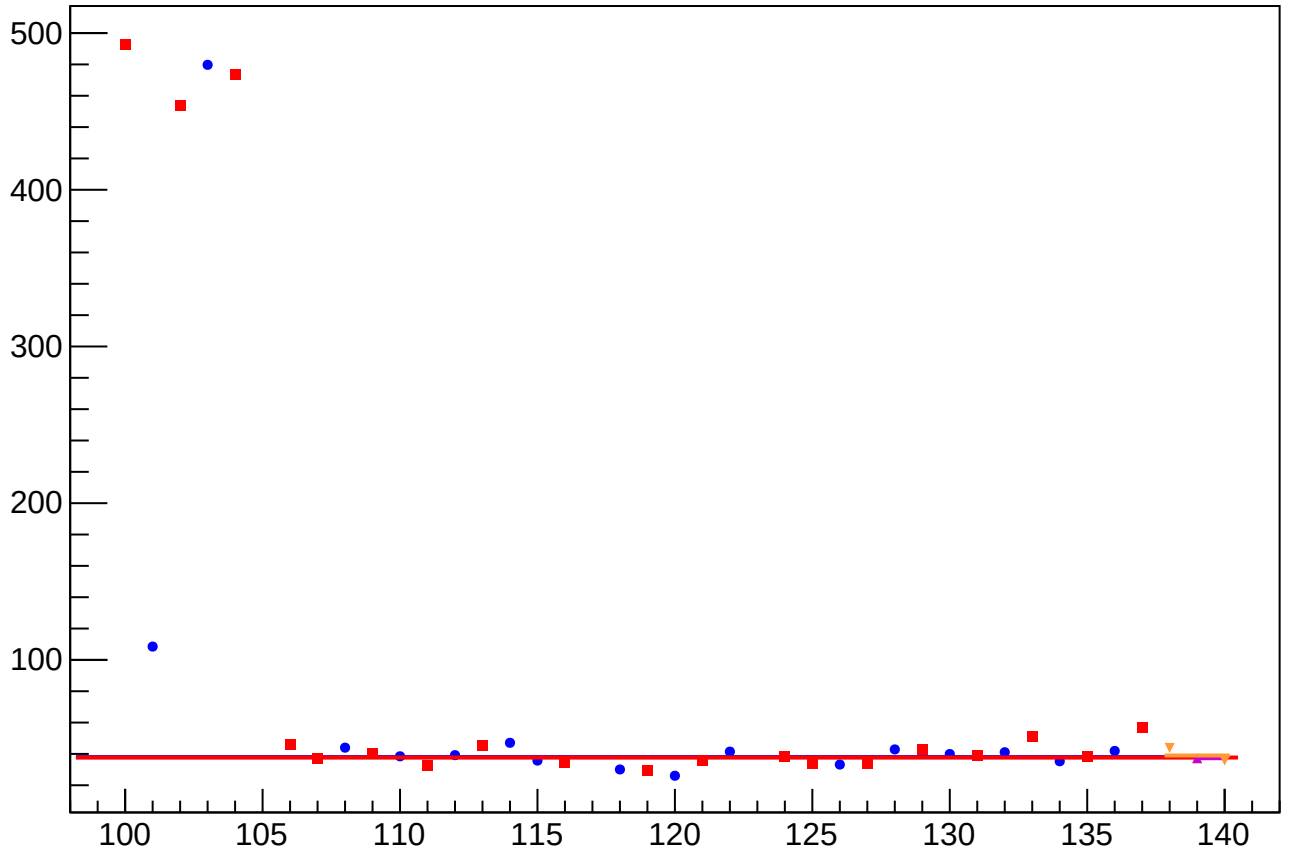
Left: 0.037+/-0.026 χ^2/NDF: 14.1/2

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.004+/-0.015 χ^2/NDF:25.3/16

Out: 0.023+/-0.014 χ^2/NDF:26.0/20

All: 0.014+/-0.010 χ^2/NDF: 52.2/37



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 38.989+/-0.024 χ^2/NDF:27375.7/1

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.257+/-0.030 χ^2/NDF:0.0/0

Left: 38.340+/-0.019 χ^2/NDF: 29399.3/2

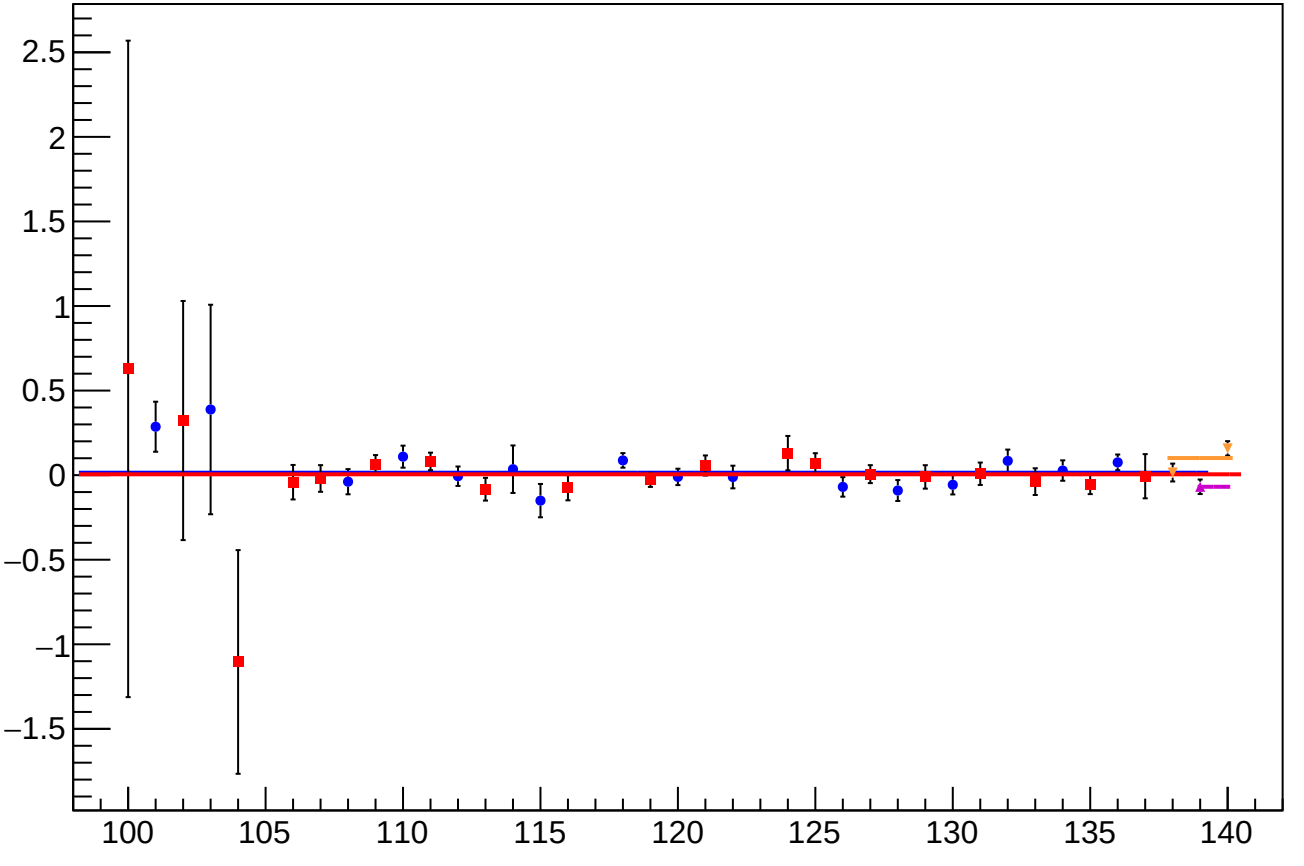
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.859+/-0.011 χ^2/NDF:1740125.8/16

Out: 37.938+/-0.010 χ^2/NDF:1974783.6/20

All: 37.900+/-0.007 χ^2/NDF: 3714938.2/37

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.101+/-0.033 χ^2/NDF:4.4/1

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.069+/-0.043 χ^2/NDF:0.0/0

Left: 0.037+/-0.026 χ^2/NDF: 14.1/2

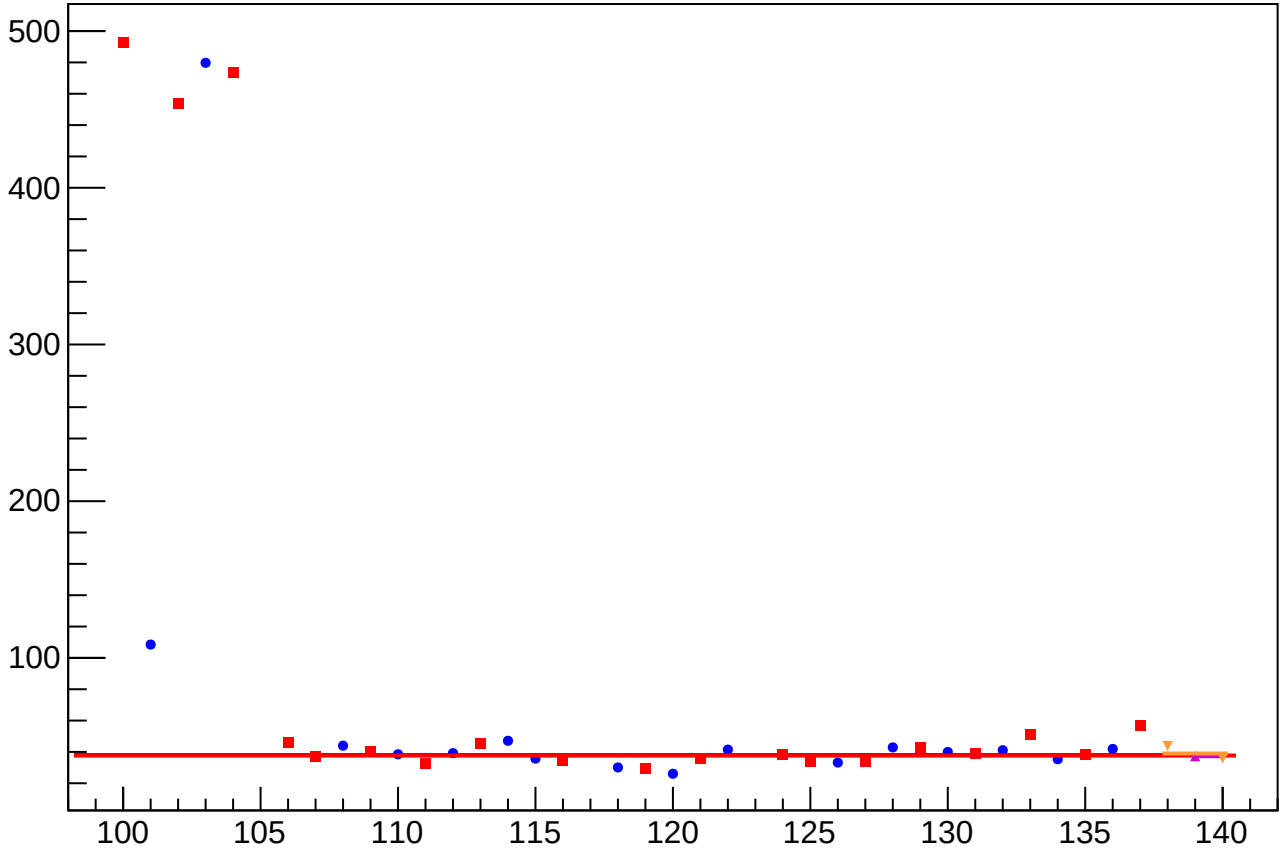
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.004+/-0.015 χ^2/NDF:25.3/16

Out: 0.023+/-0.014 χ^2/NDF:26.0/20

All: 0.014+/-0.010 χ^2/NDF: 52.2/37

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 38.989+/-0.024 χ^2/NDF:27375.7/1

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.257+/-0.030 χ^2/NDF:0.0/0

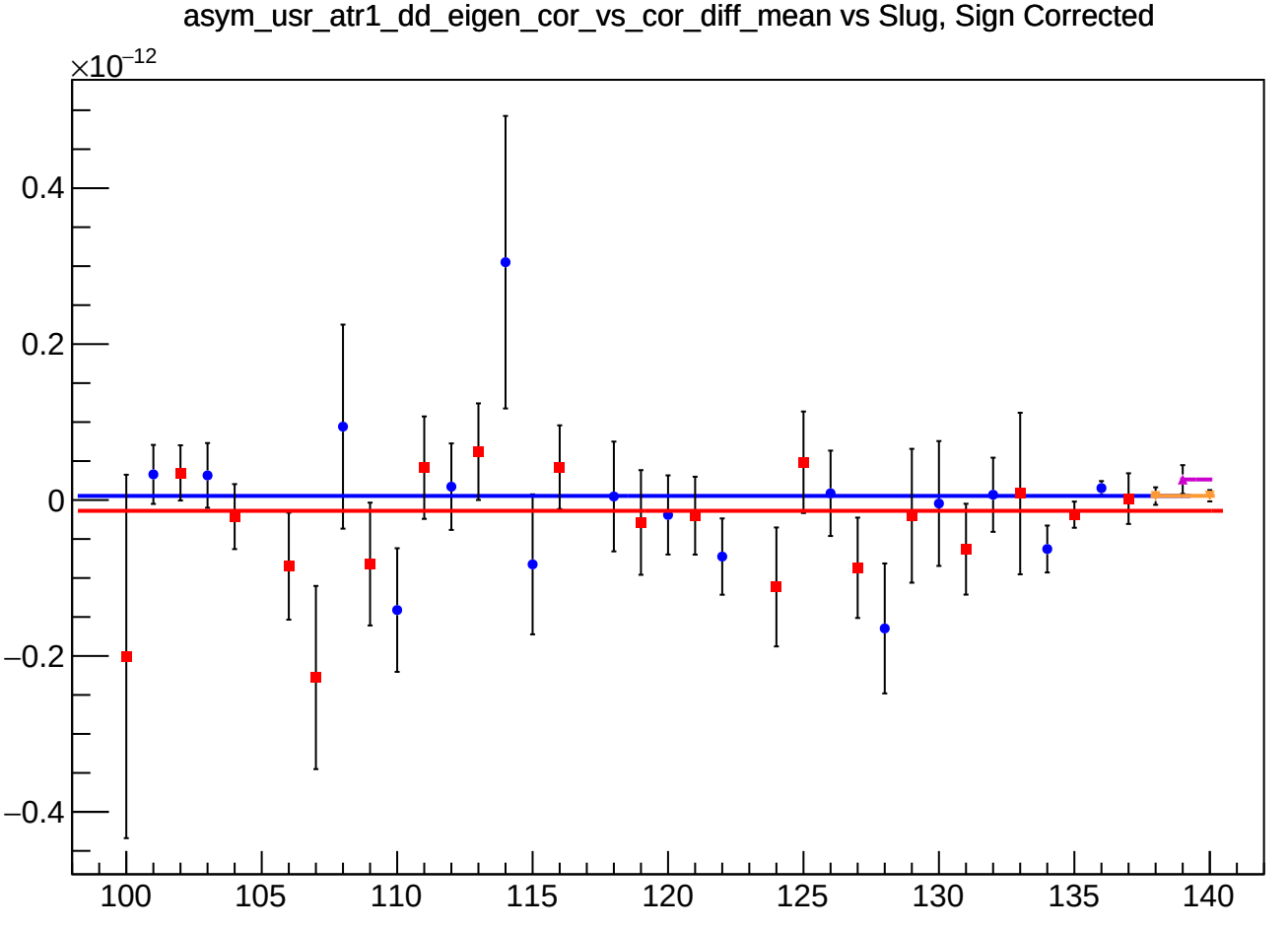
Left: 38.340+/-0.019 χ^2/NDF: 29399.3/2

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.859+/-0.011 χ^2/NDF:1740125.8/16

Out: 37.938+/-0.010 χ^2/NDF:1974783.6/20

All: 37.900+/-0.007 χ^2/NDF: 3714938.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

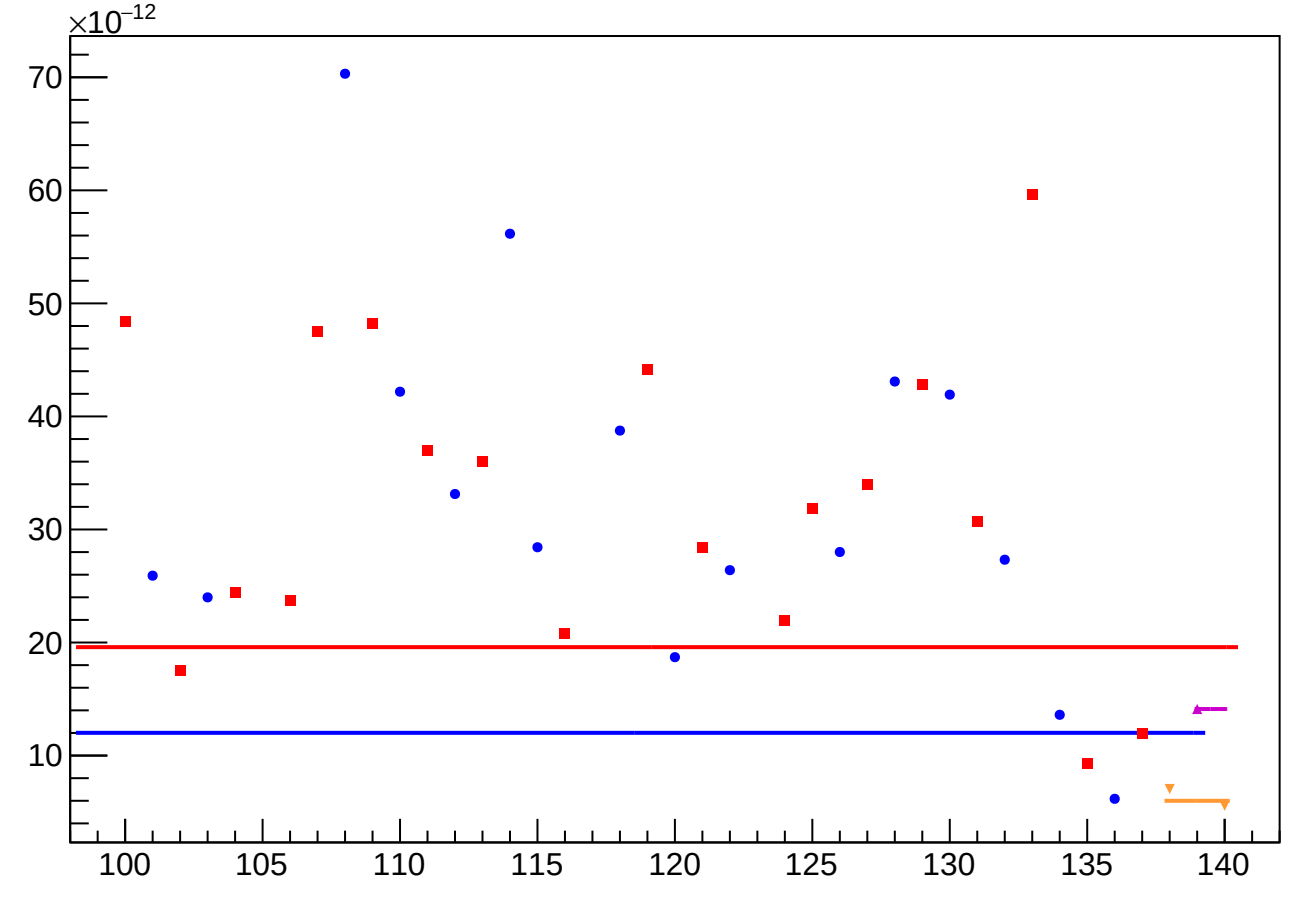
Left: 0.000+/-0.000 χ^2/NDF: 1.2/2

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:22.8/16

Out: 0.000+/-0.000 χ^2/NDF:18.5/20

All: 0.000+/-0.000 χ^2/NDF: 42.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:24559.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

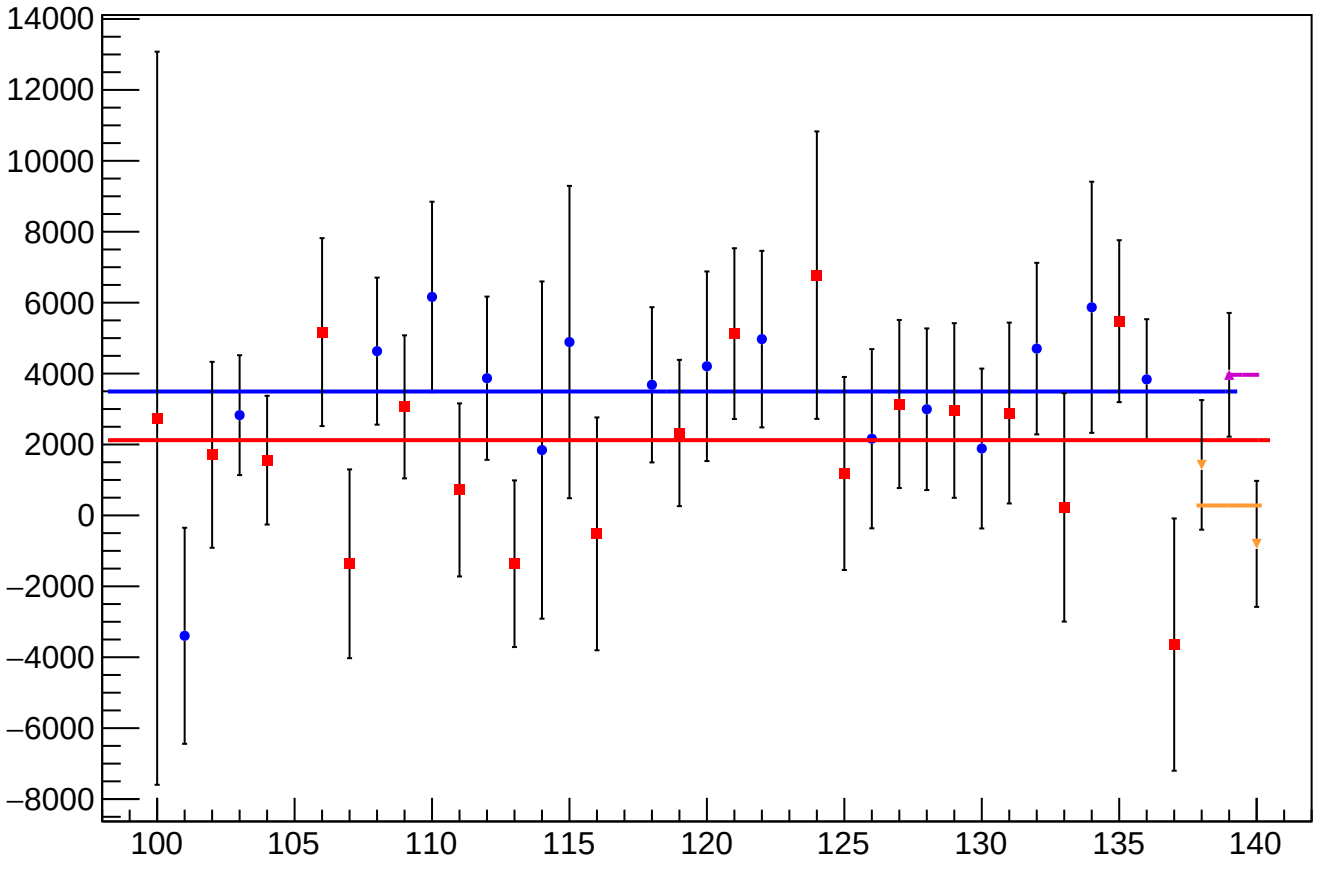
Left: 0.000+/-0.000 χ^2/NDF: 375843.6/2

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:3891623.9/16

Out: 0.000+/-0.000 χ^2/NDF:5131308.5/20

All: 0.000+/-0.000 χ^2/NDF: 9246122.2/37



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 279.862+/-1274.169 χ^2/NDF:0.8/1

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 3965.528+/-1745.017 χ^2/NDF:0.0/0

Left: 1561.555+/-1029.044 χ^2/NDF: 3.7/2

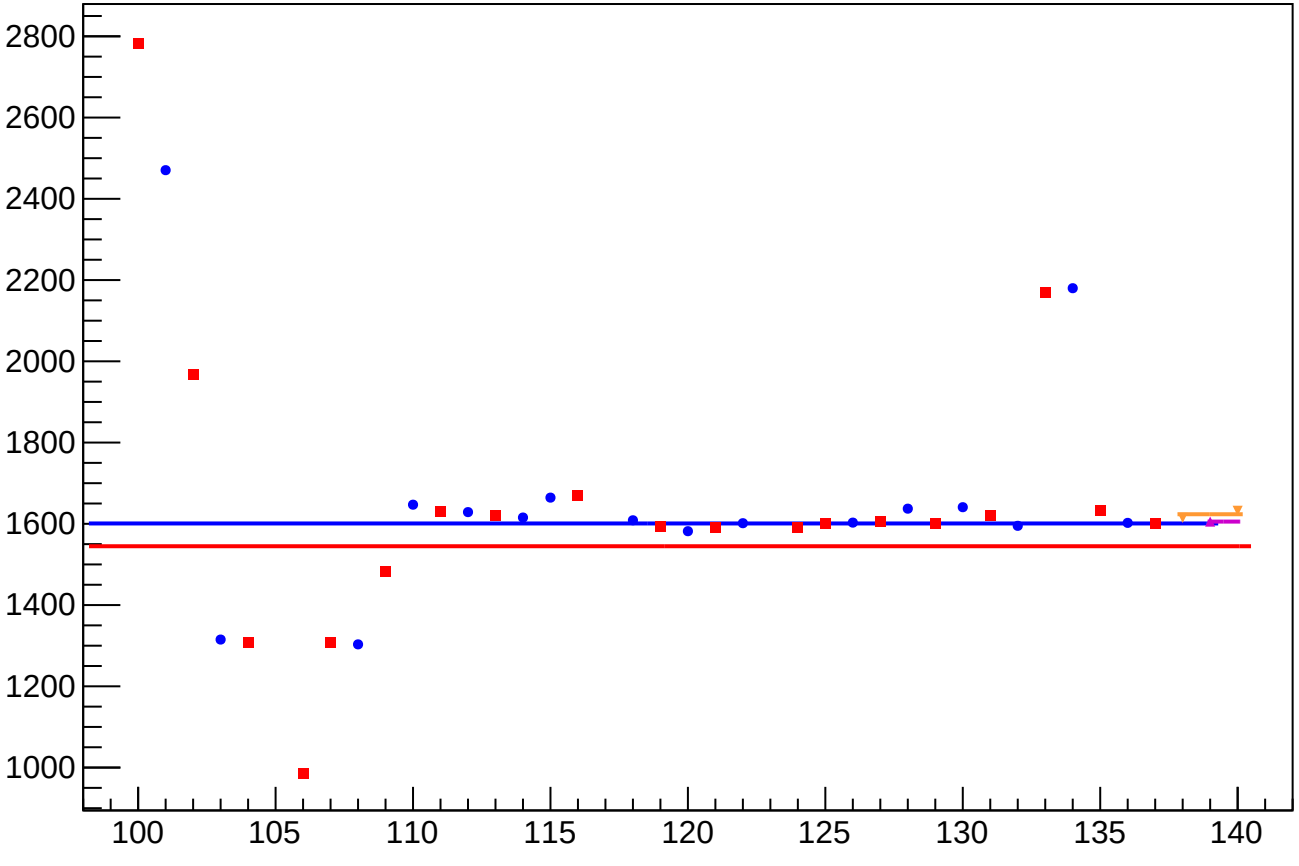
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3544.368+/-568.399 χ^2/NDF:8.9/16

Out: 1798.688+/-533.605 χ^2/NDF:17.6/20

All: 2616.467+/-389.035 χ^2/NDF: 31.5/37

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1623.571+/-0.901 χ^2/NDF:94.4/1

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1605.466+/-1.234 χ^2/NDF:0.0/0

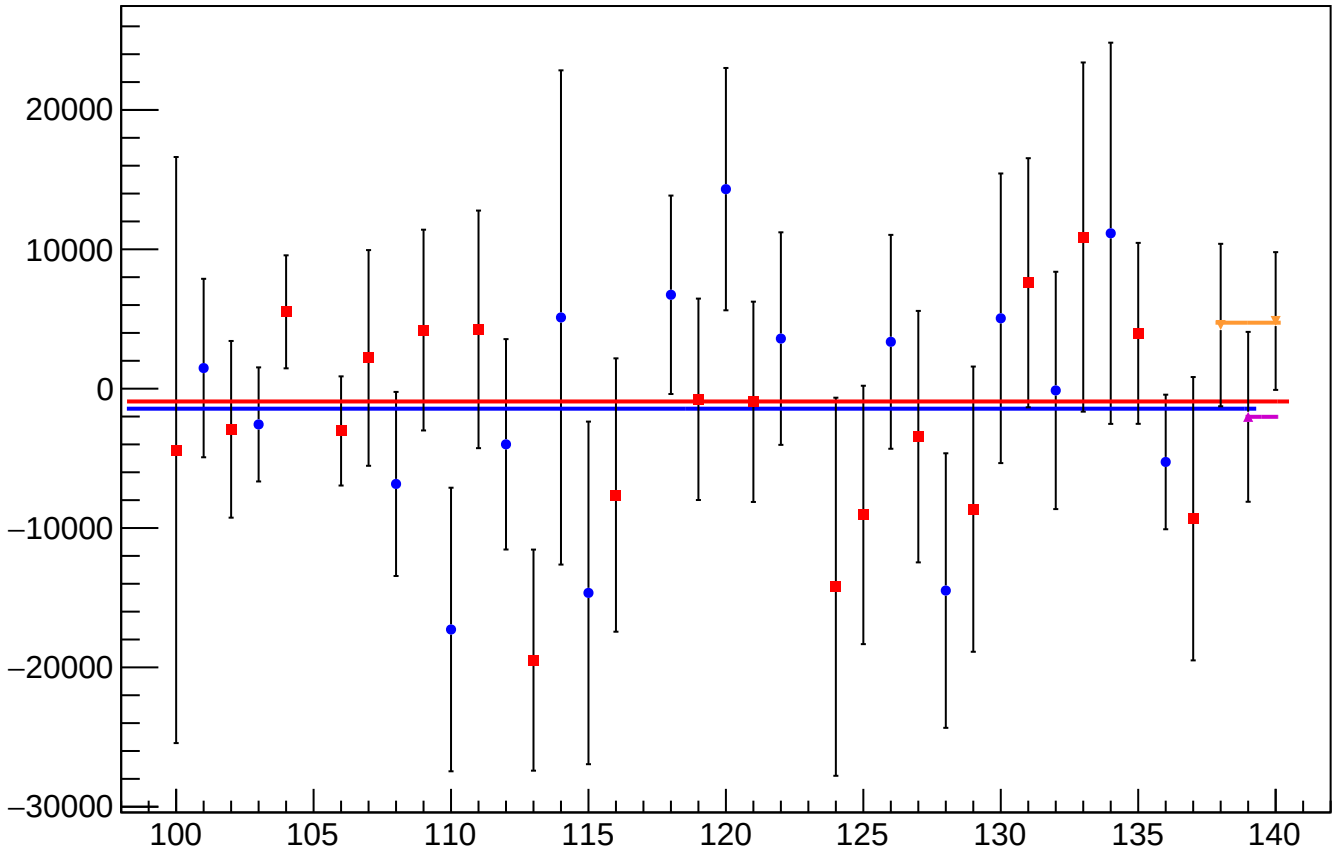
Left: 1617.275+/-0.728 χ^2/NDF: 234.8/2

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1601.366+/-0.402 χ^2/NDF:317426.3/16

Out: 1558.244+/-0.372 χ^2/NDF:382560.3/20

All: 1578.146+/-0.273 χ^2/NDF: 706185.2/37



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 4733.427+/-3769.779 χ^2/NDF:0.0/1

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: -2020.367+/-6095.412 χ^2/NDF:0.0/0

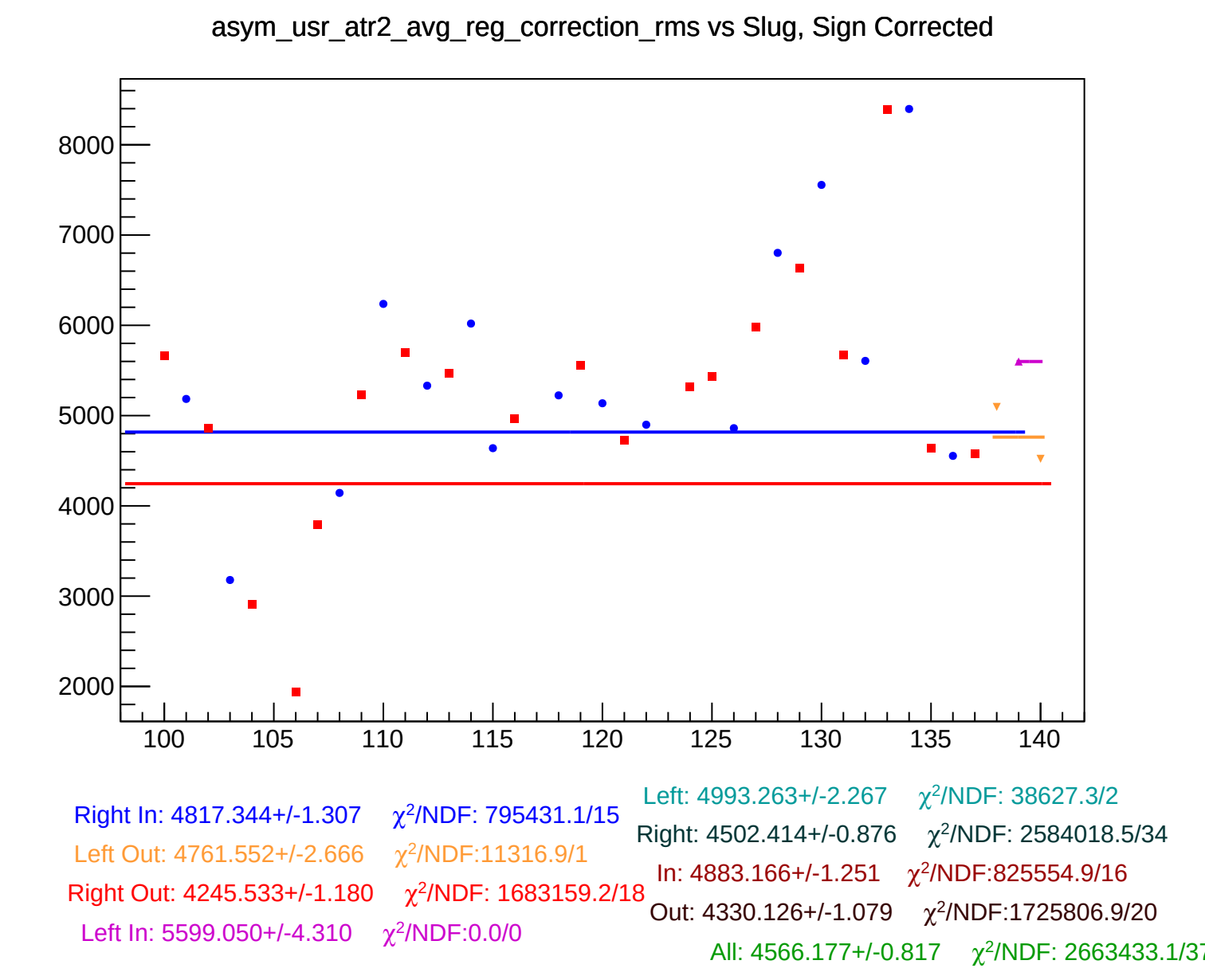
Left: 2864.855+/-3206.152 χ^2/NDF: 0.9/2

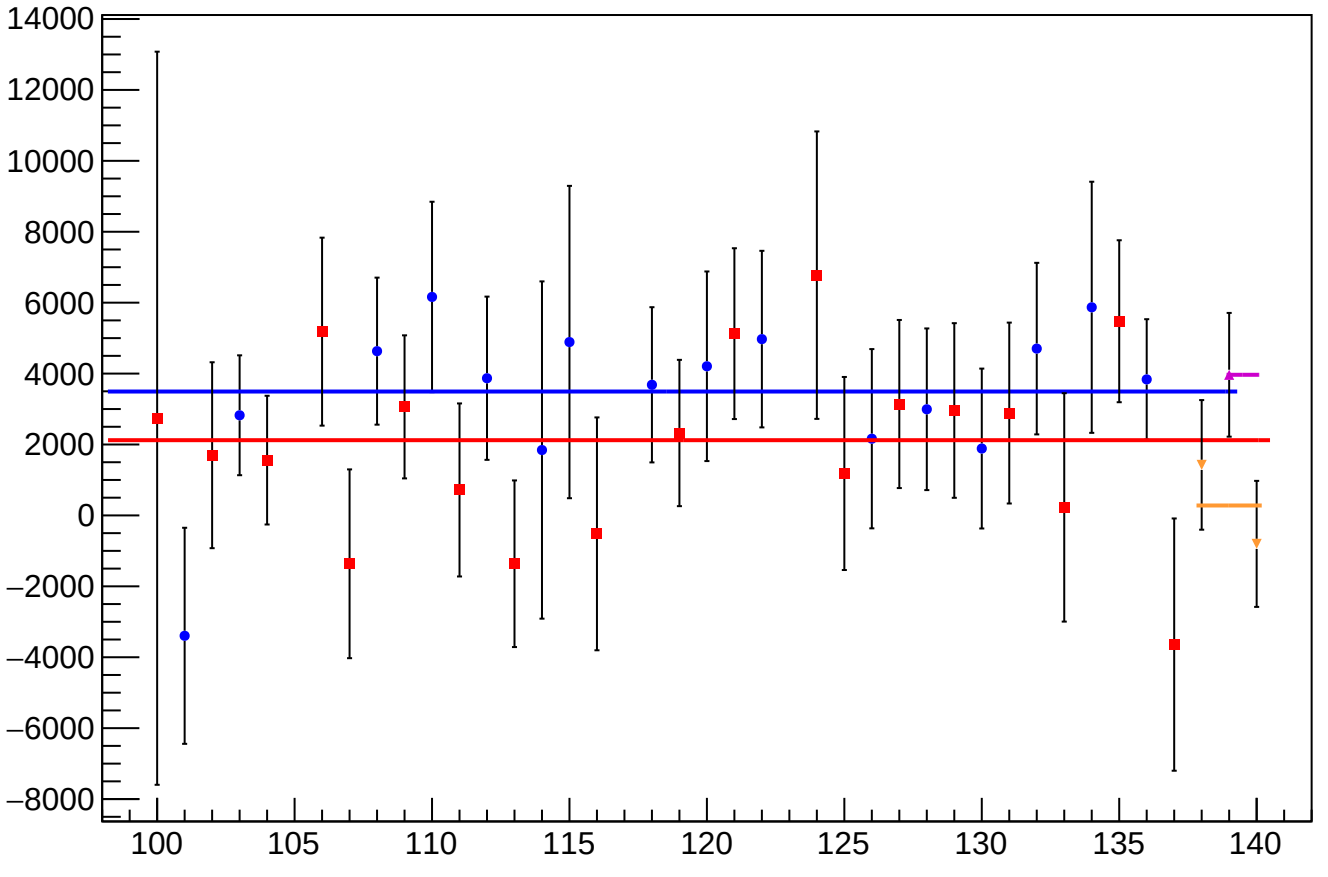
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -1486.230+/-1768.760 χ^2/NDF:13.9/16

Out: 8.050+/-1526.333 χ^2/NDF:17.2/20

All: -629.745+/-1155.562 χ^2/NDF: 31.5/37


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
140
Right In: 4817.344+/-1.307 χ²/NDF: 795431.1/15
Left Out: 4761.552+/-2.666 χ²/NDF:11316.9/1
Right Out: 4245.533+/-1.180 χ²/NDF: 1683159.2/18
Left In: 5599.050+/-4.310 χ²/NDF:0.0/0
Left: 4993.263+/-2.267 χ²/NDF: 38627.3/2
Right: 4502.414+/-0.876 χ²/NDF: 2584018.5/34
In: 4883.166+/-1.251 χ²/NDF:825554.9/16
Out: 4330.126+/-1.079 χ²/NDF:1725806.9/20
All: 4566.177+/-0.817 χ²/NDF: 2663433.1/37



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 279.910+/-1274.169 χ^2/NDF:0.8/1

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3965.809+/-1745.017 χ^2/NDF:0.0/0

Left: 1561.685+/-1029.044 χ^2/NDF: 3.7/2

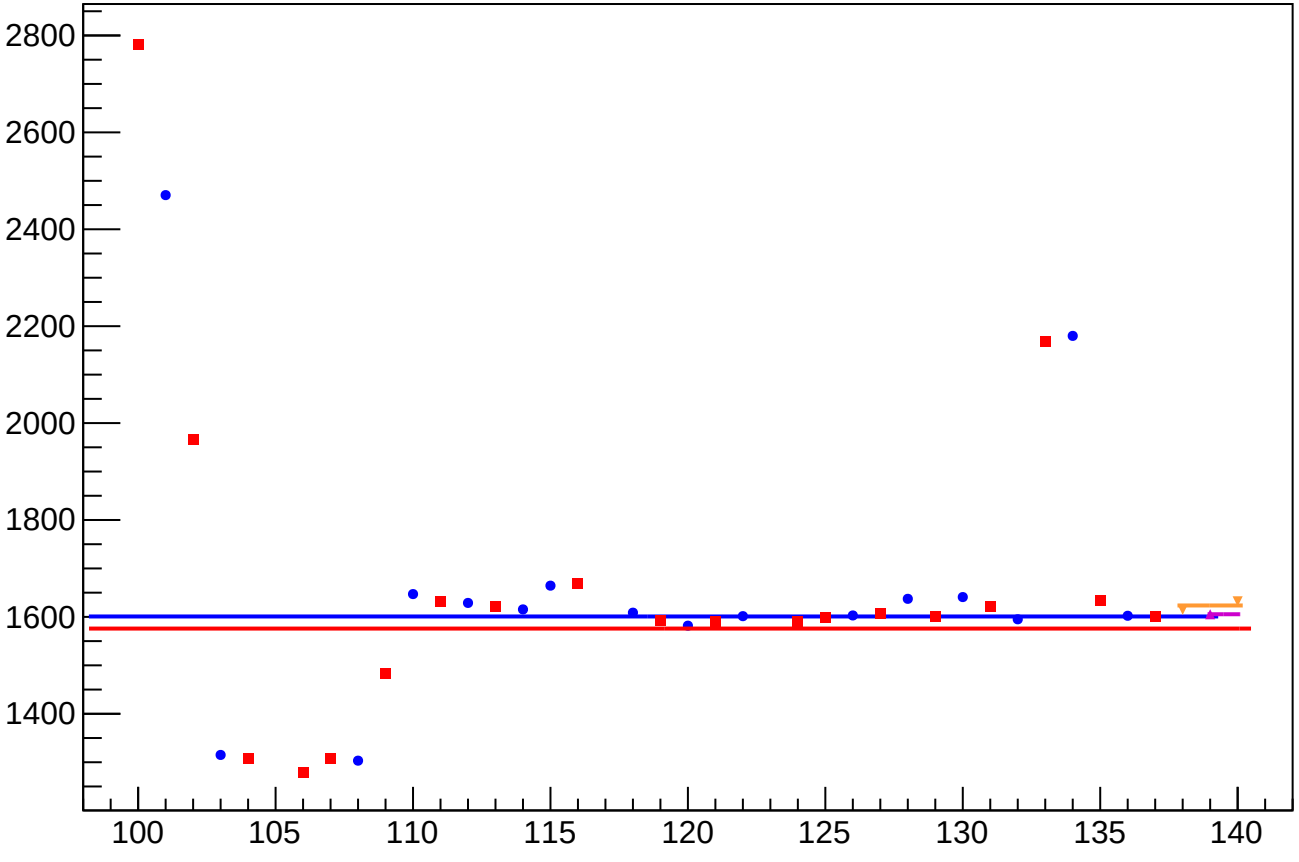
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3544.099+/-568.399 χ^2/NDF:8.9/16

Out: 1798.686+/-533.608 χ^2/NDF:17.6/20

All: 2616.344+/-389.036 χ^2/NDF: 31.5/37

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1623.571+/-0.901 χ^2/NDF:94.4/1

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1605.466+/-1.234 χ^2/NDF:0.0/0

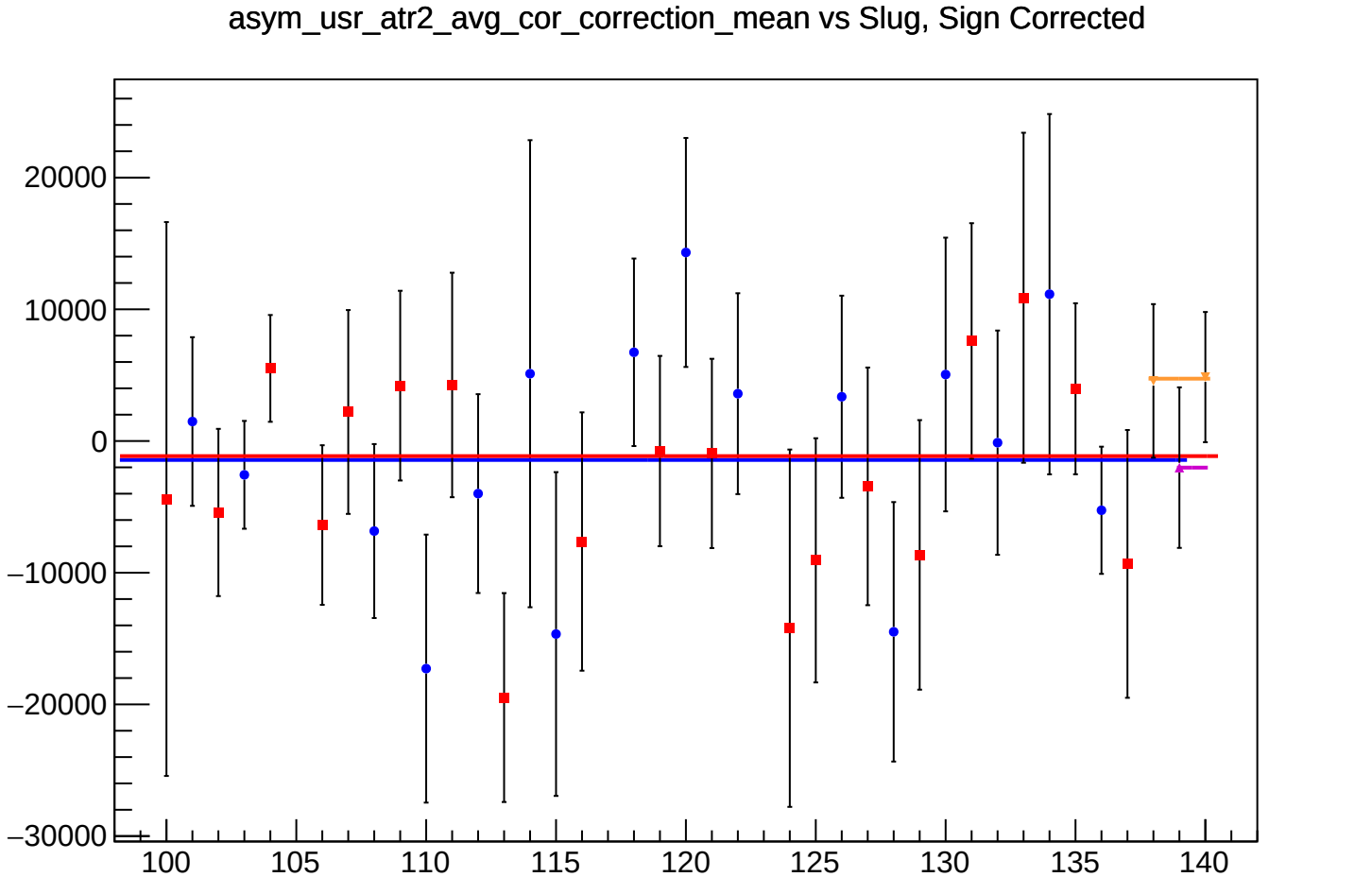
Left: 1617.275+/-0.728 χ^2/NDF: 234.8/2

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1601.367+/-0.402 χ^2/NDF:317425.5/16

Out: 1584.207+/-0.376 χ^2/NDF:245738.1/20

All: 1592.218+/-0.275 χ^2/NDF: 564135.4/37



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 4733.291+/-3769.770 χ^2/NDF:0.0/1

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -2020.350+/-6095.414 χ^2/NDF:0.0/0

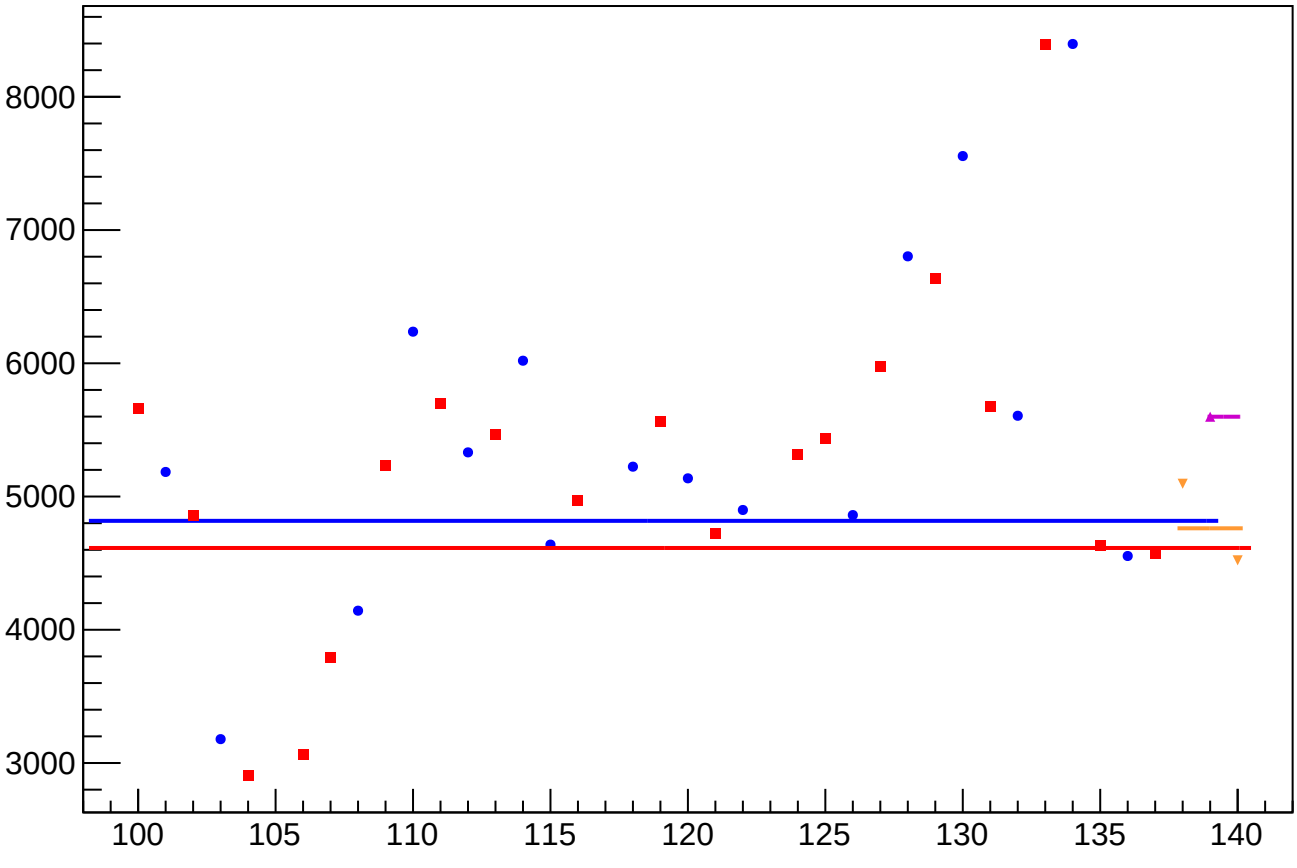
Left: 2864.768+/-3206.147 χ^2/NDF: 0.9/2

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -1486.454+/-1768.793 χ^2/NDF:13.9/16

Out: -88.690+/-1598.759 χ^2/NDF:18.2/20

All: -717.176+/-1186.063 χ^2/NDF: 32.5/37



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4761.540+/-2.666 χ^2/NDF:11317.3/1

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5599.052+/-4.310 χ^2/NDF:0.0/0

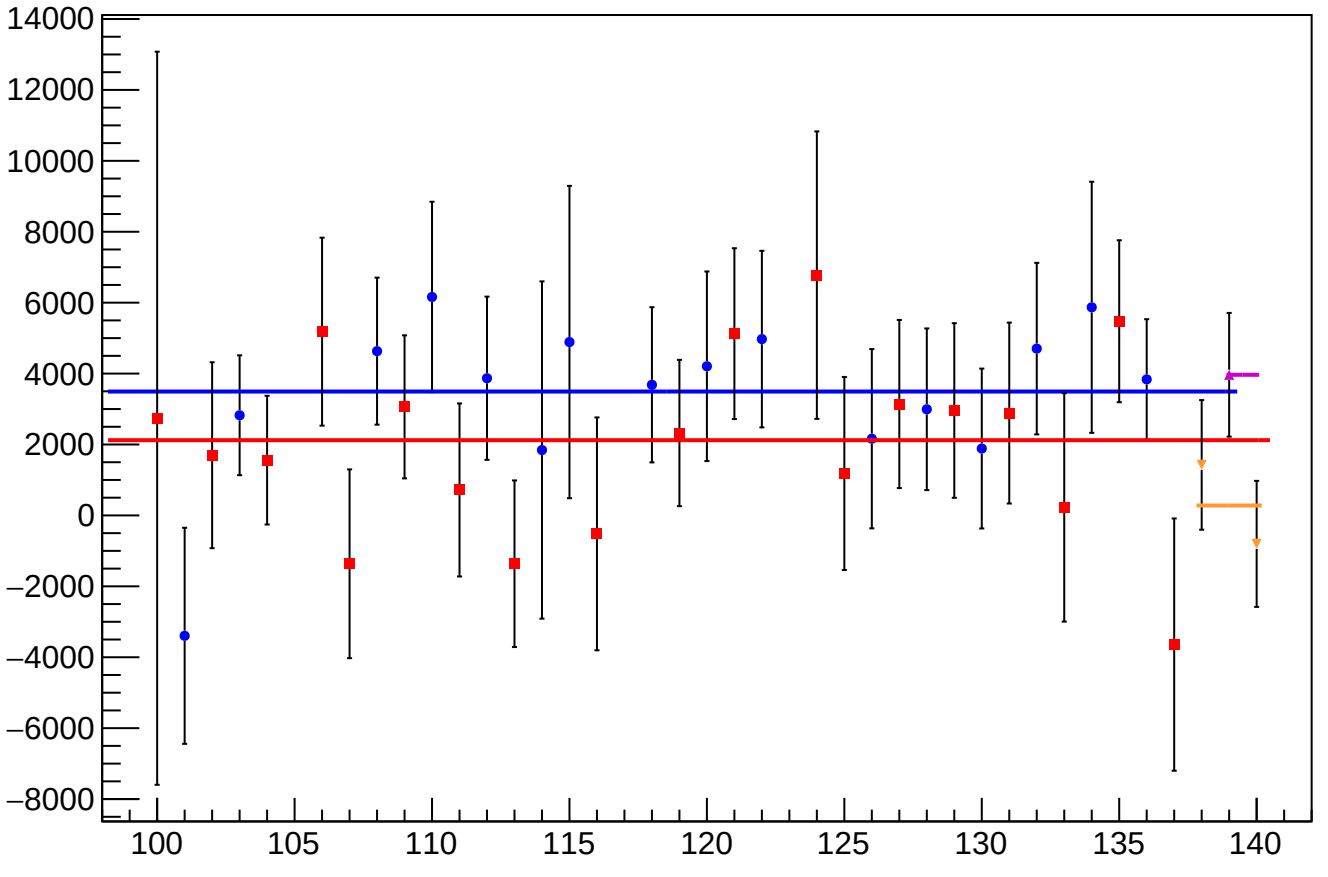
Left: 4993.253+/-2.267 χ^2/NDF: 38628.7/2

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4883.293+/-1.251 χ^2/NDF:825346.6/16

Out: 4640.414+/-1.130 χ^2/NDF:991793.1/20

All: 4749.622+/-0.839 χ^2/NDF: 1837894.0/37



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 279.910+/-1274.169 χ^2/NDF:0.8/1

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3965.809+/-1745.017 χ^2/NDF:0.0/0

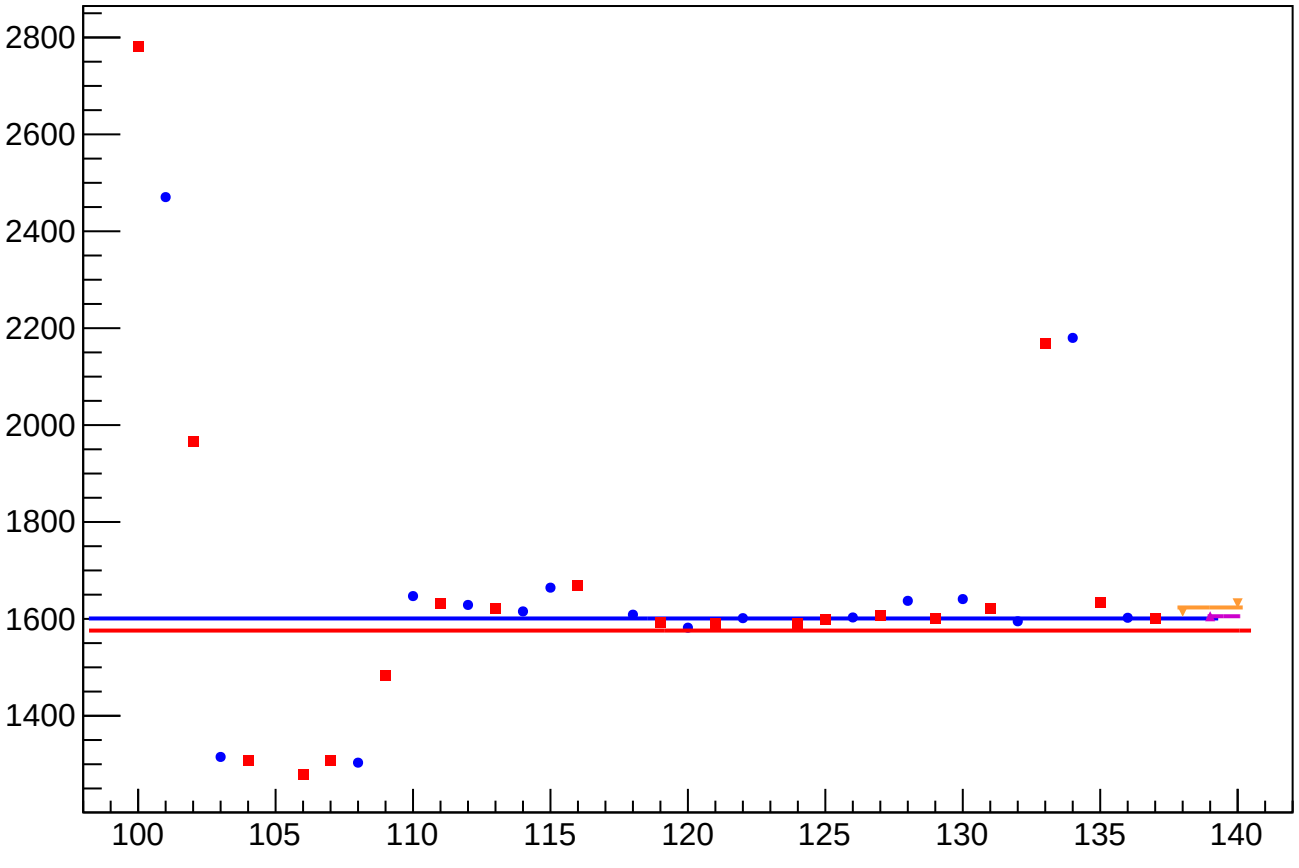
Left: 1561.685+/-1029.044 χ^2/NDF: 3.7/2

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3544.099+/-568.399 χ^2/NDF:8.9/16

Out: 1798.686+/-533.608 χ^2/NDF:17.6/20

All: 2616.344+/-389.036 χ^2/NDF: 31.5/37



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1623.571+/-0.901 χ^2/NDF:94.4/1

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1605.466+/-1.234 χ^2/NDF:0.0/0

Left: 1617.275+/-0.728 χ^2/NDF: 234.8/2

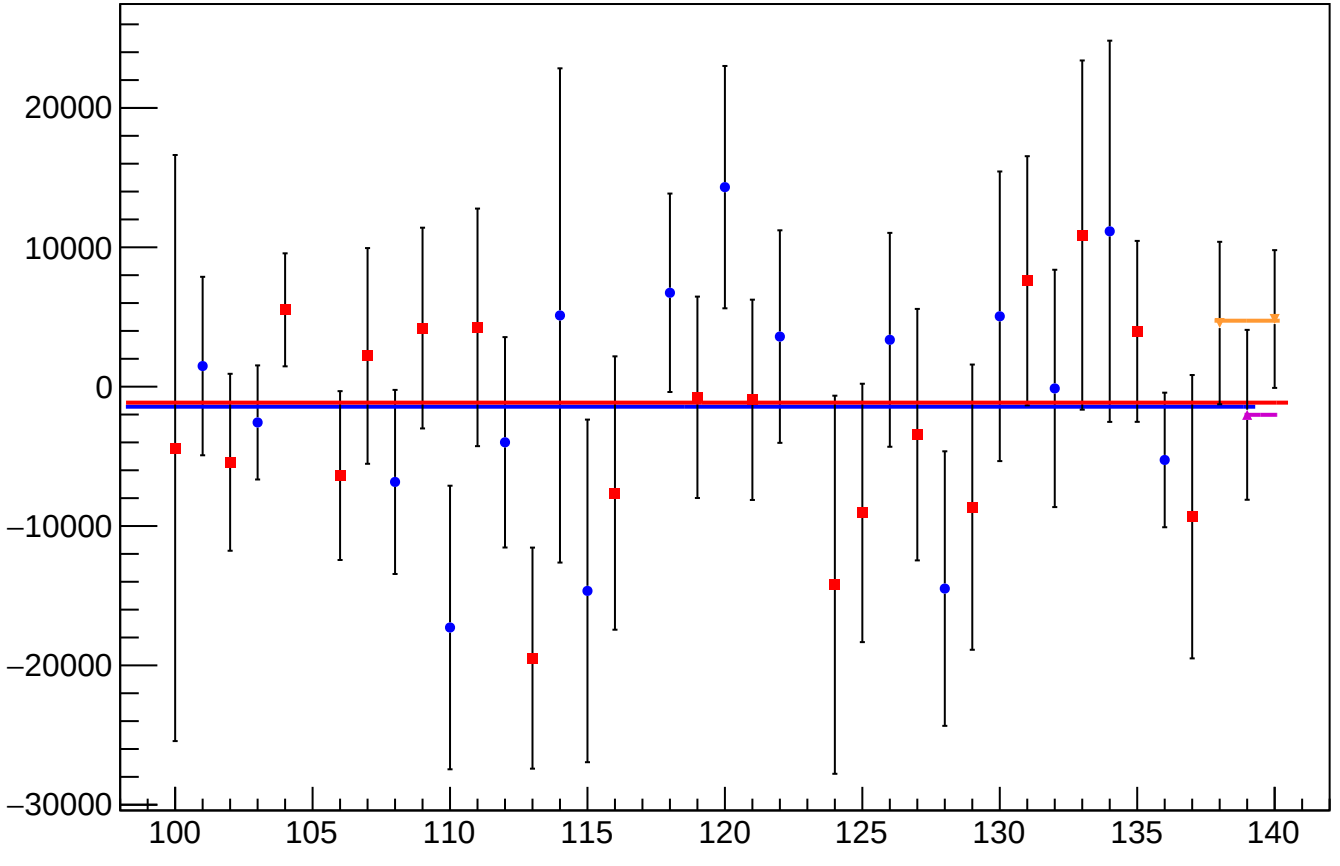
Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1601.367+/-0.402 χ^2/NDF:317425.5/16

Out: 1584.207+/-0.376 χ^2/NDF:245738.1/20

All: 1592.218+/-0.275 χ^2/NDF: 564135.4/37

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: 4733.291+/-3769.770 χ^2/NDF:0.0/1

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -2020.350+/-6095.414 χ^2/NDF:0.0/0

Left: 2864.768+/-3206.147 χ^2/NDF: 0.9/2

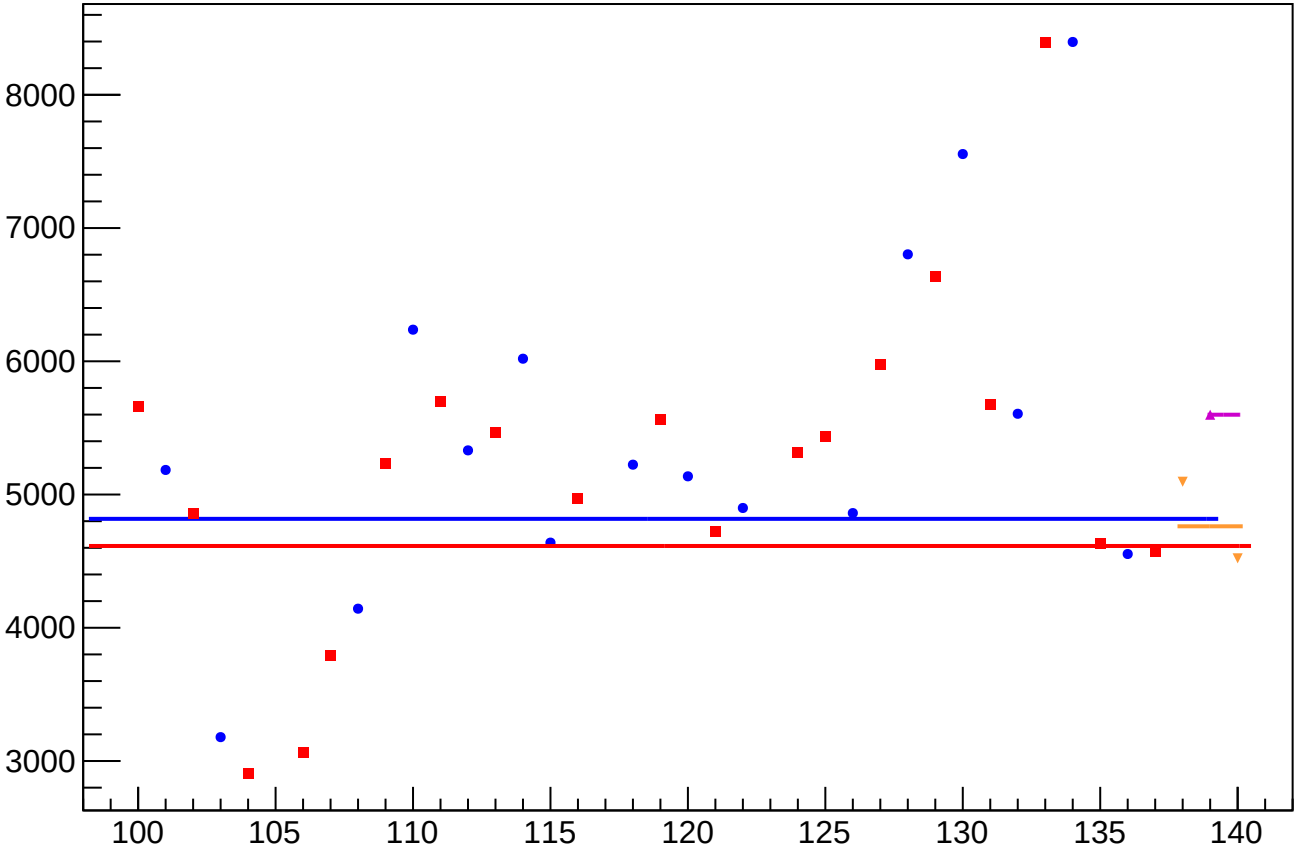
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -1486.454+/-1768.793 χ^2/NDF:13.9/16

Out: -88.690+/-1598.759 χ^2/NDF:18.2/20

All: -717.176+/-1186.063 χ^2/NDF: 32.5/37

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4761.540+/-2.666 χ^2/NDF:11317.3/1

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5599.052+/-4.310 χ^2/NDF:0.0/0

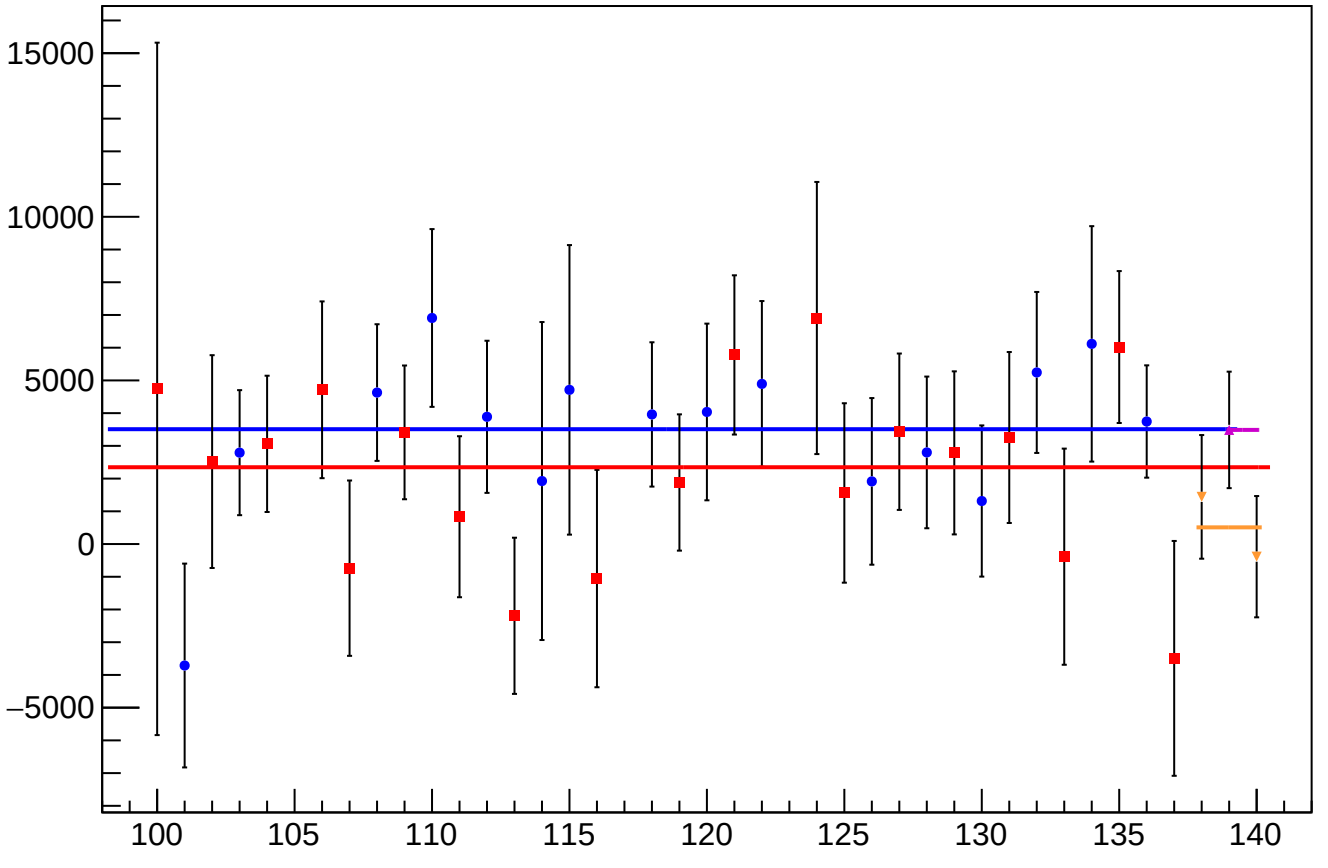
Left: 4993.253+/-2.267 χ^2/NDF: 38628.7/2

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4883.293+/-1.251 χ^2/NDF:825346.6/16

Out: 4640.414+/-1.130 χ^2/NDF:991793.1/20

All: 4749.622+/-0.839 χ^2/NDF: 1837894.0/37



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 509.632+/-1323.052 χ^2/NDF:0.5/1

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3487.952+/-1779.758 χ^2/NDF:0.0/0

Left: 1569.706+/-1061.802 χ^2/NDF: 2.3/2

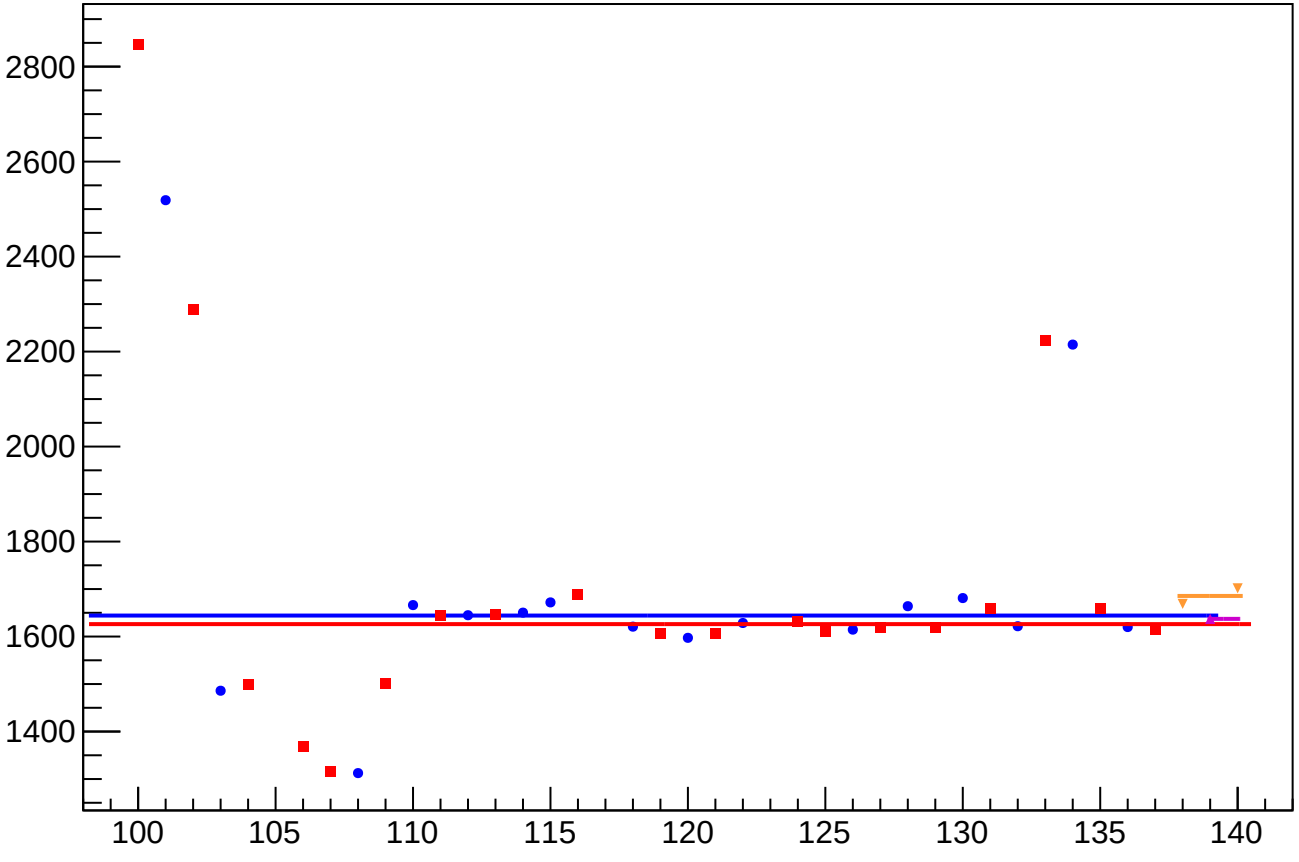
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3507.196+/-582.730 χ^2/NDF:10.4/16

Out: 2026.955+/-552.084 χ^2/NDF:19.2/20

All: 2727.131+/-400.779 χ^2/NDF: 33.0/37

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1685.490+/-0.936 χ^2/NDF:306.0/1

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1637.237+/-1.258 χ^2/NDF:0.0/0

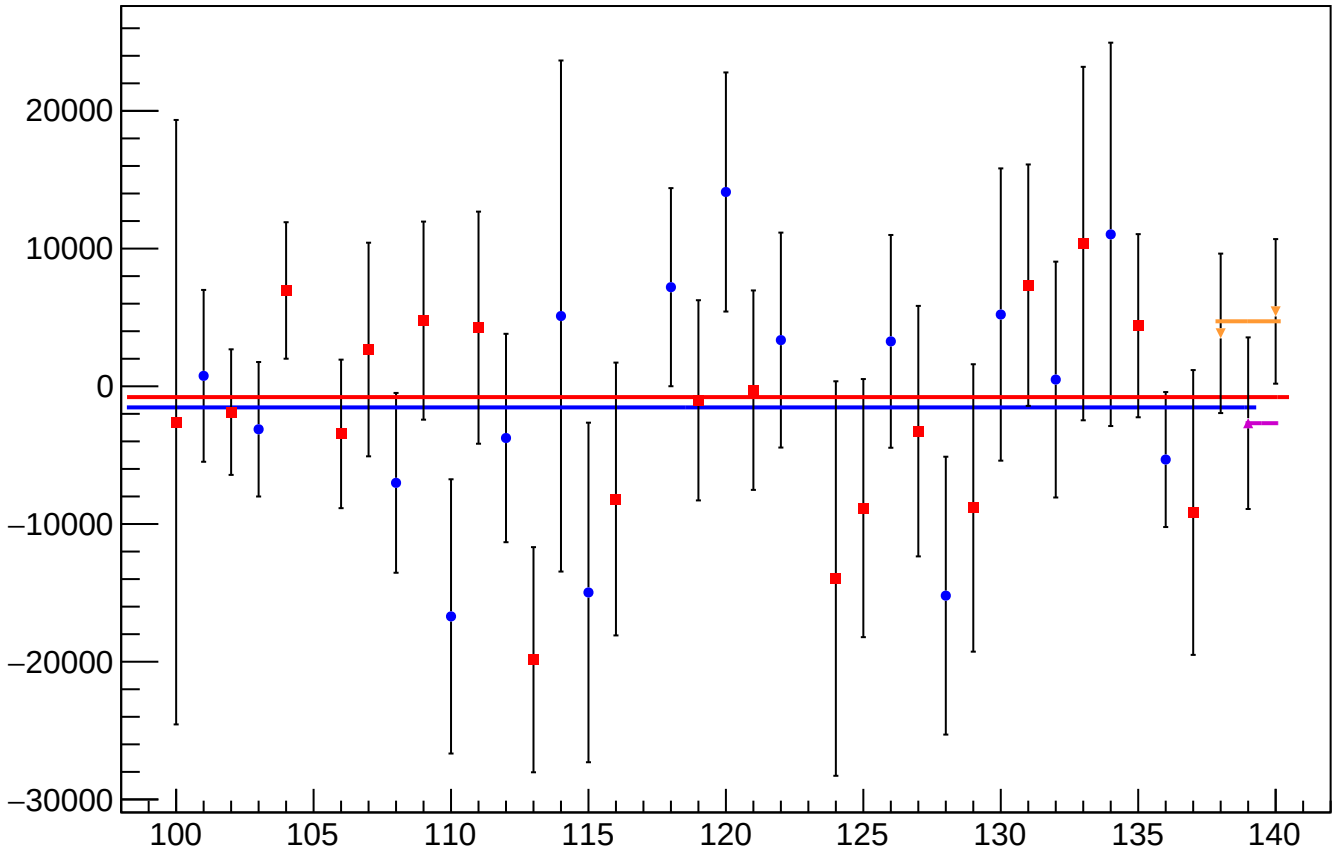
Left: 1668.315+/-0.751 χ^2/NDF: 1252.9/2

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1643.452+/-0.412 χ^2/NDF:274845.2/16

Out: 1636.488+/-0.390 χ^2/NDF:241266.1/20

All: 1639.779+/-0.283 χ^2/NDF: 516262.0/37



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 4720.648+/-3889.152 χ^2/NDF:0.0/1

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: -2679.103+/-6230.768 χ^2/NDF:0.0/0

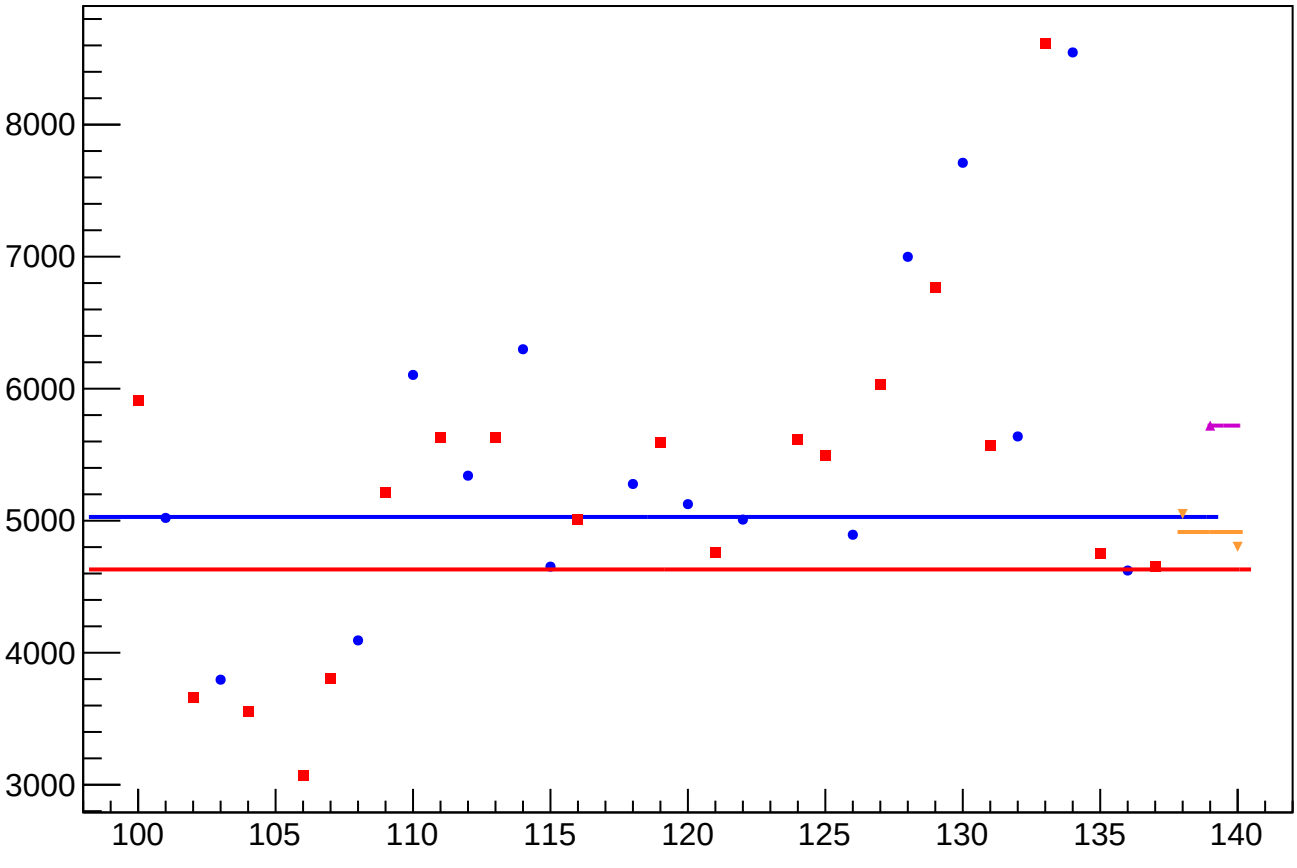
Left: 2645.965+/-3299.202 χ^2/NDF: 1.1/2

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -1630.992+/-1829.446 χ^2/NDF:13.9/16

Out: 141.415+/-1594.793 χ^2/NDF:16.8/20

All: -623.898+/-1202.147 χ^2/NDF: 31.2/37



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4914.414+/-2.750 χ^2/NDF:2018.3/1

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5720.379+/-4.406 χ^2/NDF:0.0/0

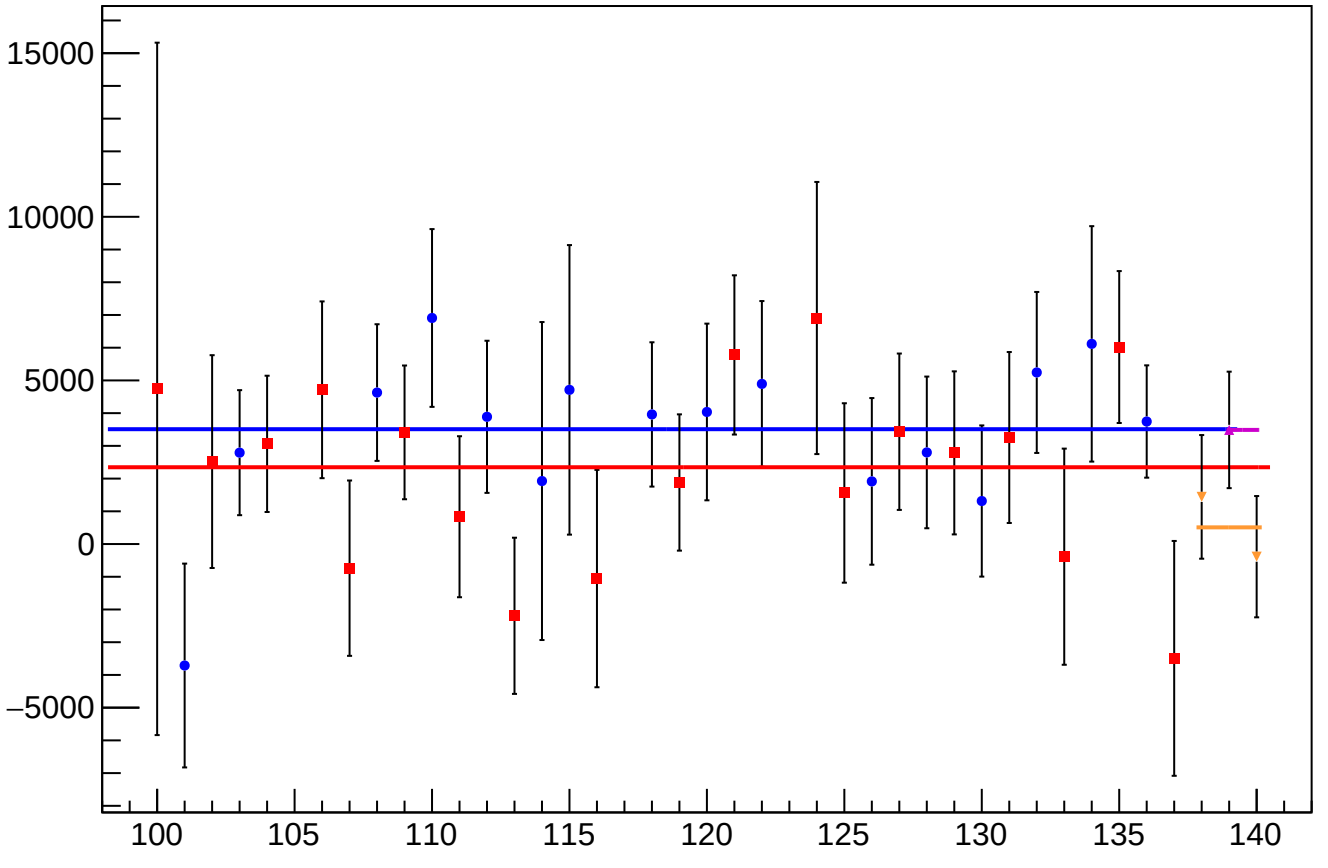
Left: 5140.384+/-2.333 χ^2/NDF: 26100.1/2

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5088.100+/-1.294 χ^2/NDF:588007.5/16

Out: 4678.574+/-1.128 χ^2/NDF:874374.5/20

All: 4855.405+/-0.850 χ^2/NDF: 1519327.8/37



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 509.627+/-1323.053 χ^2/NDF:0.5/1

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3487.910+/-1779.759 χ^2/NDF:0.0/0

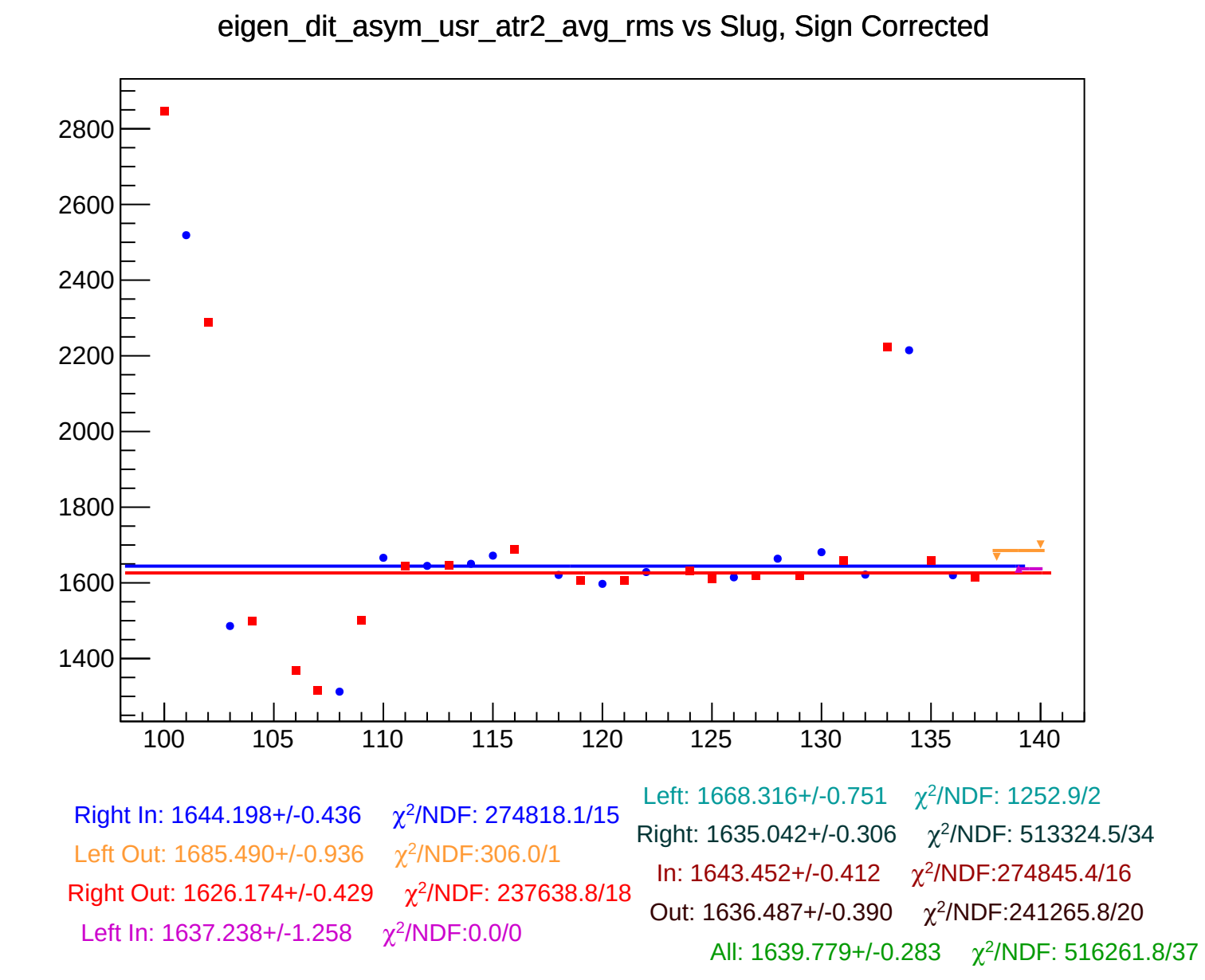
Left: 1569.687+/-1061.802 χ^2/NDF: 2.3/2

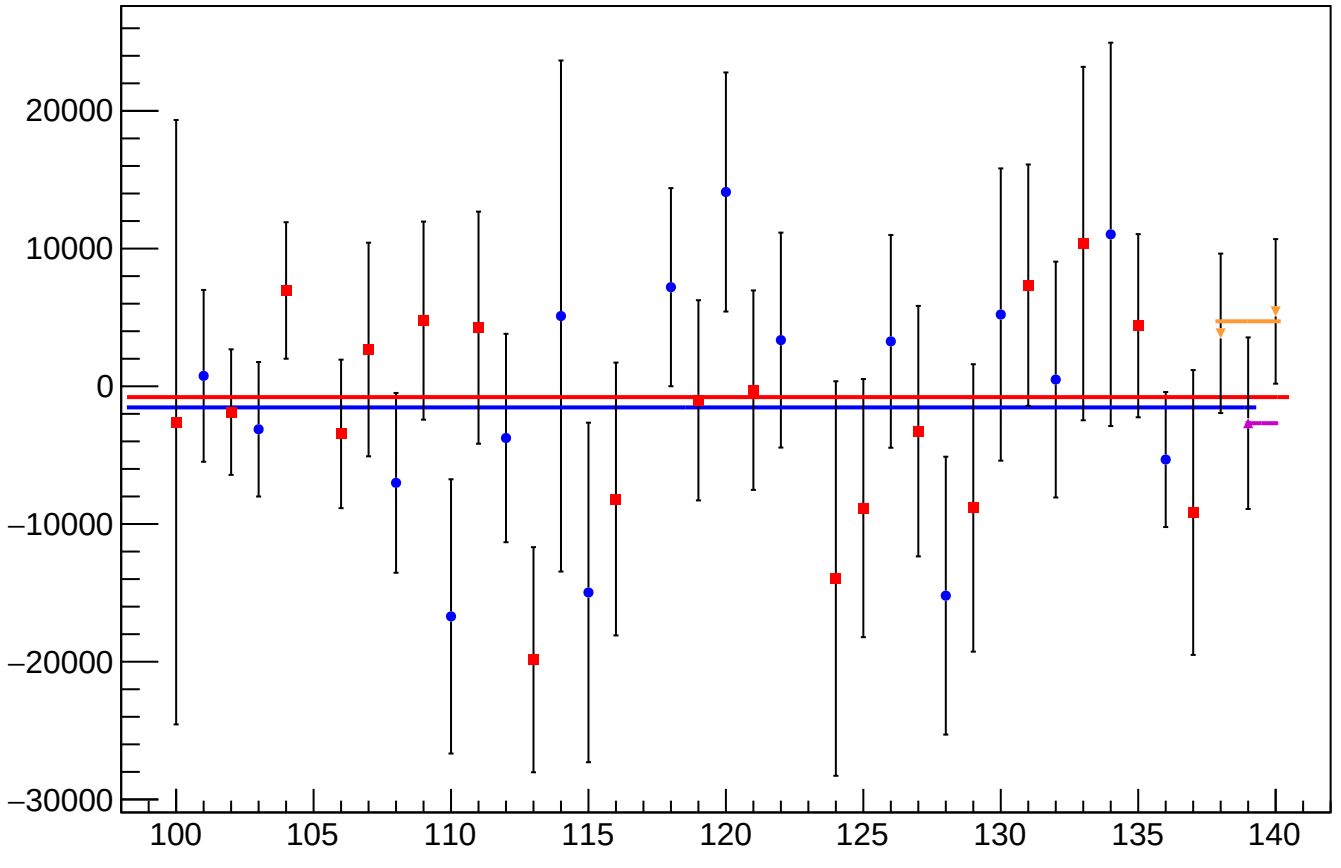
Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3507.194+/-582.729 χ^2/NDF:10.4/16

Out: 2026.959+/-552.084 χ^2/NDF:19.2/20

All: 2727.132+/-400.779 χ^2/NDF: 33.0/37


eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
105
110
115
120
125
130
135
140
Right In: 1644.198+/-0.436 χ²/NDF: 274818.1/15
Left Out: 1685.490+/-0.936 χ²/NDF:306.0/1
Right Out: 1626.174+/-0.429 χ²/NDF: 237638.8/18
Left In: 1637.238+/-1.258 χ²/NDF:0.0/0
Left: 1668.316+/-0.751 χ²/NDF: 1252.9/2
Right: 1635.042+/-0.306 χ²/NDF: 513324.5/34
In: 1643.452+/-0.412 χ²/NDF:274845.4/16
Out: 1636.487+/-0.390 χ²/NDF:241265.8/20
All: 1639.779+/-0.283 χ²/NDF: 516261.8/37



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 4720.646+/-3889.156 χ^2/NDF:0.0/1

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -2679.152+/-6230.784 χ^2/NDF:0.0/0

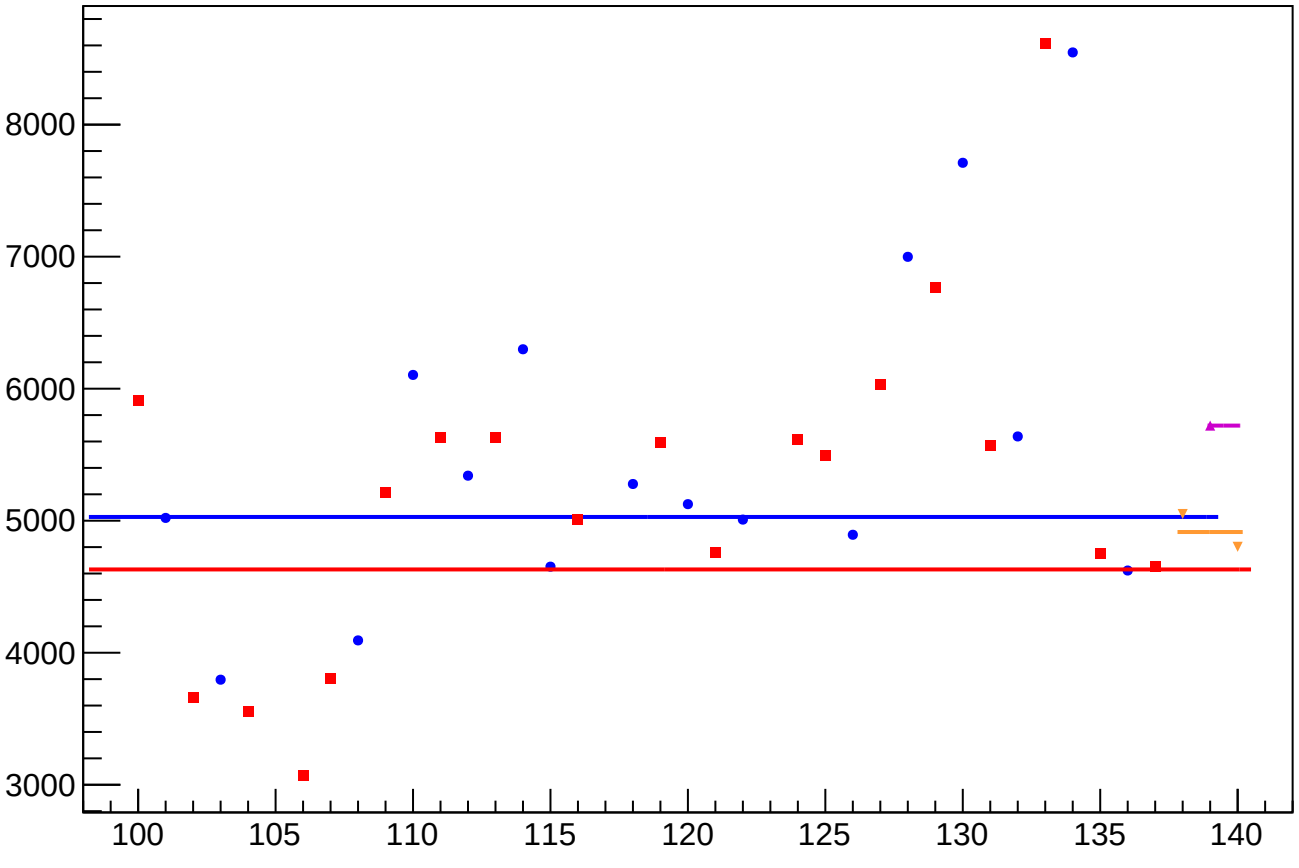
Left: 2645.954+/-3299.207 χ^2/NDF: 1.1/2

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -1630.982+/-1829.444 χ^2/NDF:13.9/16

Out: 141.410+/-1594.791 χ^2/NDF:16.8/20

All: -623.897+/-1202.145 χ^2/NDF: 31.2/37



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4914.419+/-2.750 χ^2/NDF:2018.5/1

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5720.394+/-4.406 χ^2/NDF:0.0/0

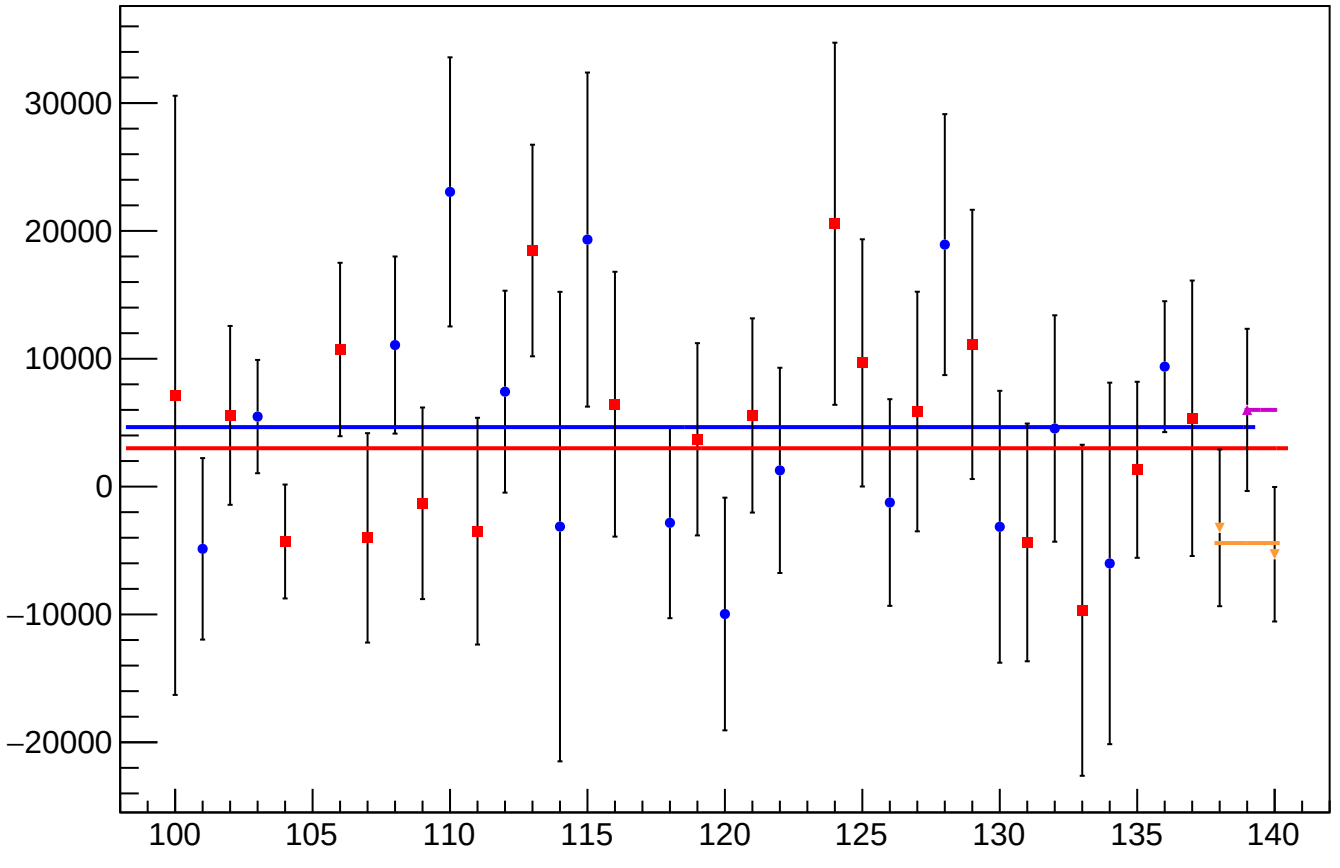
Left: 5140.391+/-2.333 χ^2/NDF: 26100.7/2

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5088.095+/-1.294 χ^2/NDF:588002.5/16

Out: 4678.569+/-1.128 χ^2/NDF:874369.4/20

All: 4855.400+/-0.850 χ^2/NDF: 1519317.7/37



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -4414.012+/-3992.368 χ^2/NDF:0.1/1

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 6001.098+/-6343.000 χ^2/NDF:0.0/0

Left: -1458.722+/-3378.803 χ^2/NDF: 2.0/2

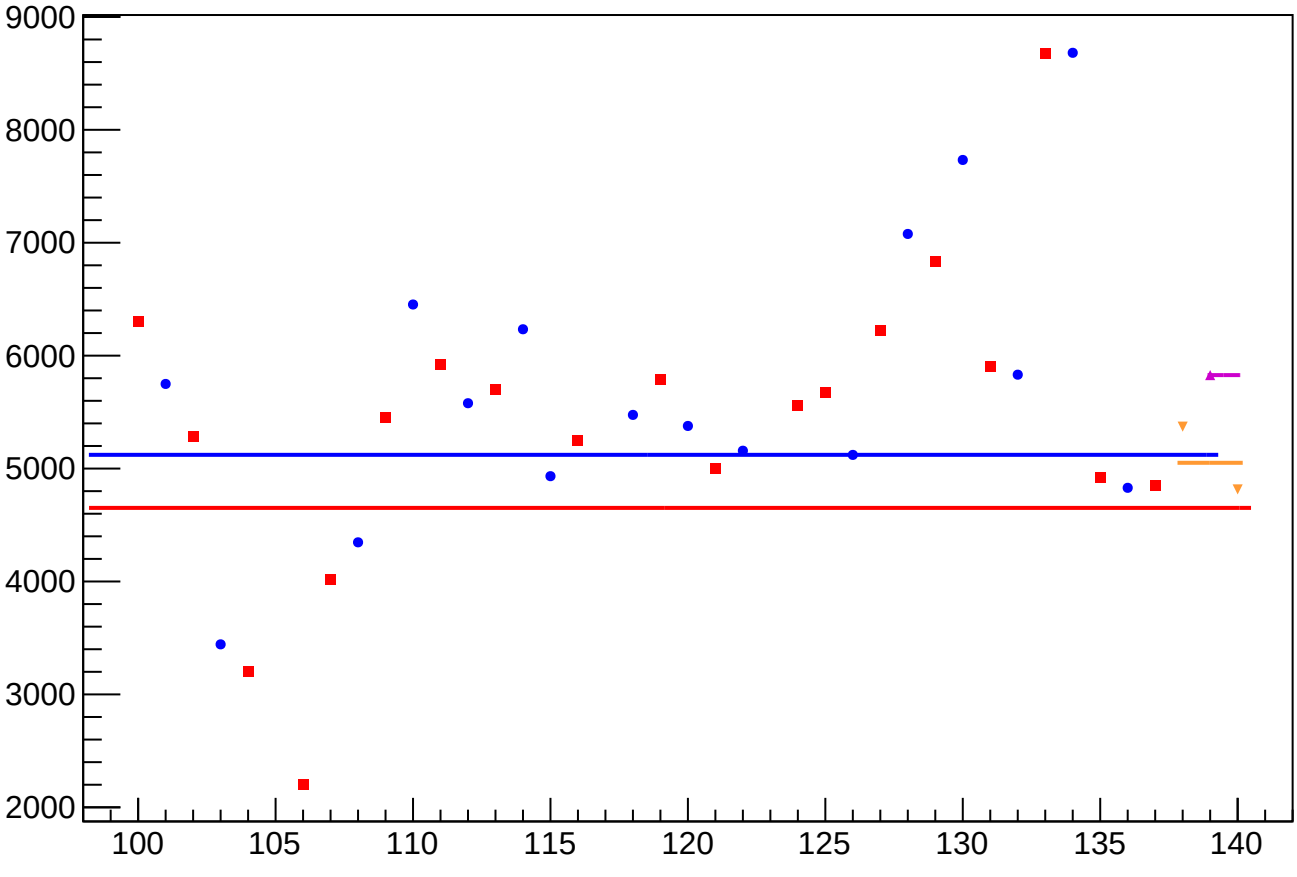
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 4770.460+/-1871.324 χ^2/NDF:15.6/16

Out: 1651.861+/-1702.944 χ^2/NDF:16.8/20

All: 3064.572+/-1259.493 χ^2/NDF: 33.8/37

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5051.078+/-2.823 χ^2/NDF:9464.8/1

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5827.717+/-4.485 χ^2/NDF:0.0/0

Left: 5271.449+/-2.389 χ^2/NDF: 30940.3/2

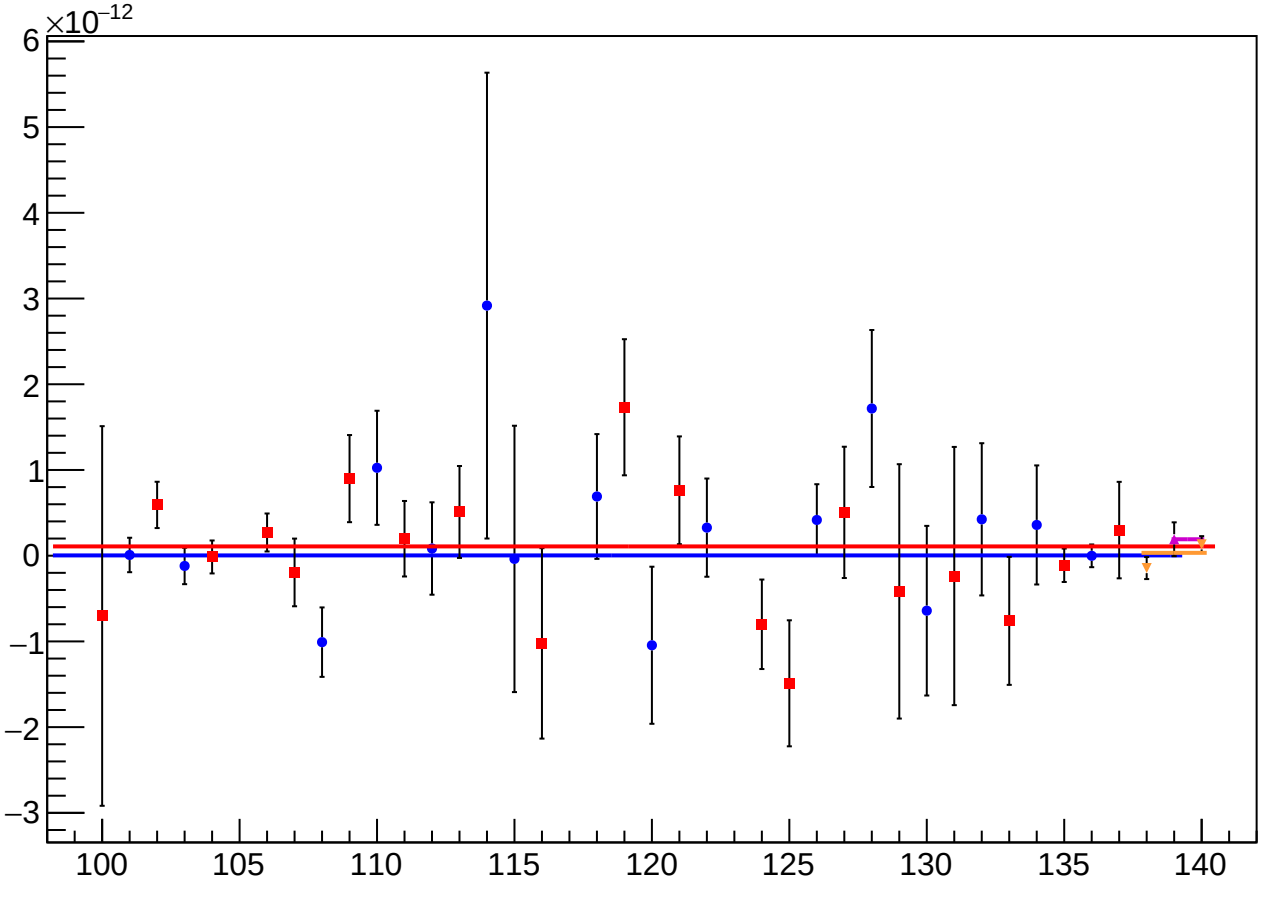
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5183.099+/-1.323 χ^2/NDF:742995.3/16

Out: 4719.858+/-1.166 χ^2/NDF:1370930.1/20

All: 4922.341+/-0.875 χ^2/NDF: 2182913.7/37

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

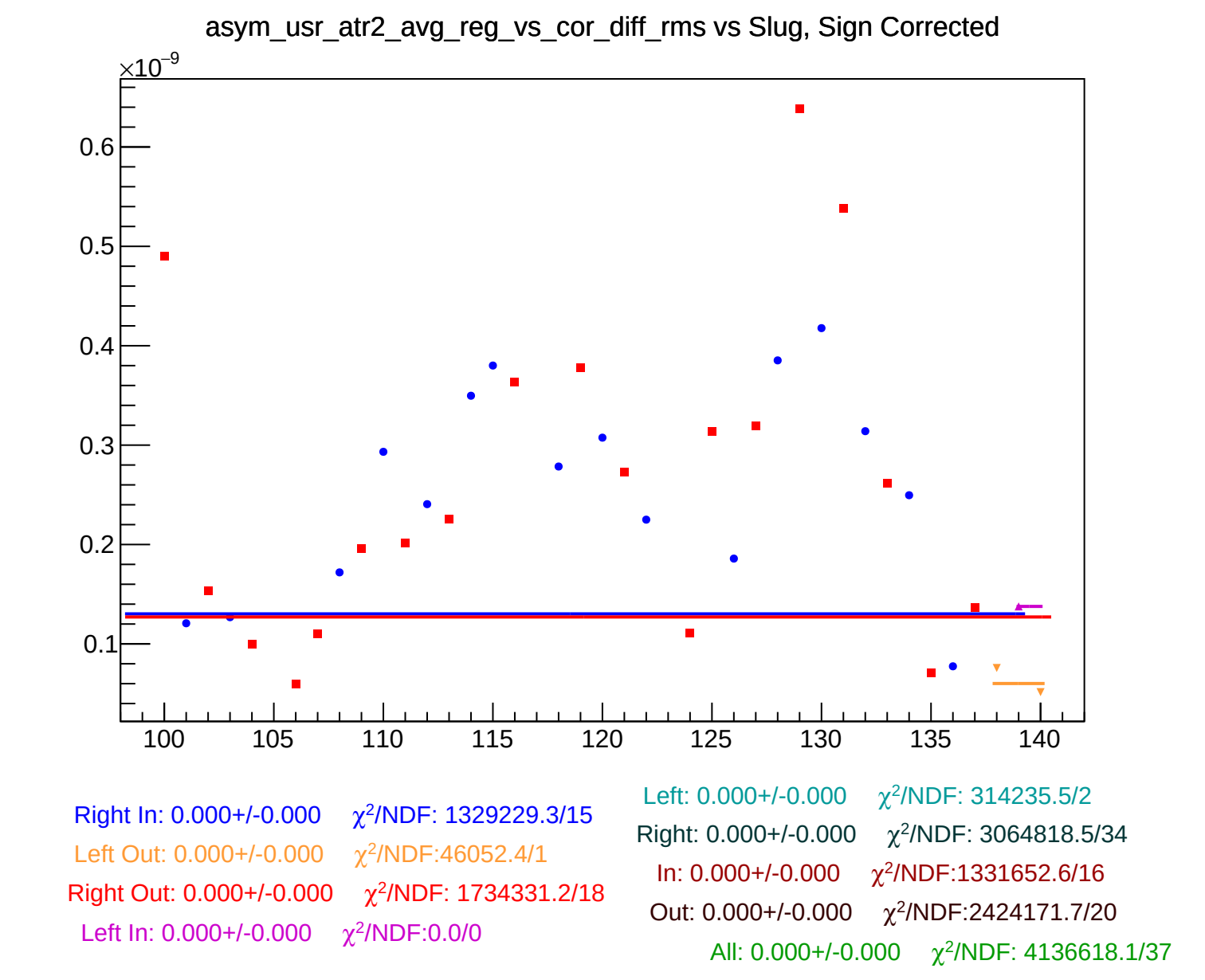
Left: 0.000+/-0.000 χ^2/NDF: 3.5/2

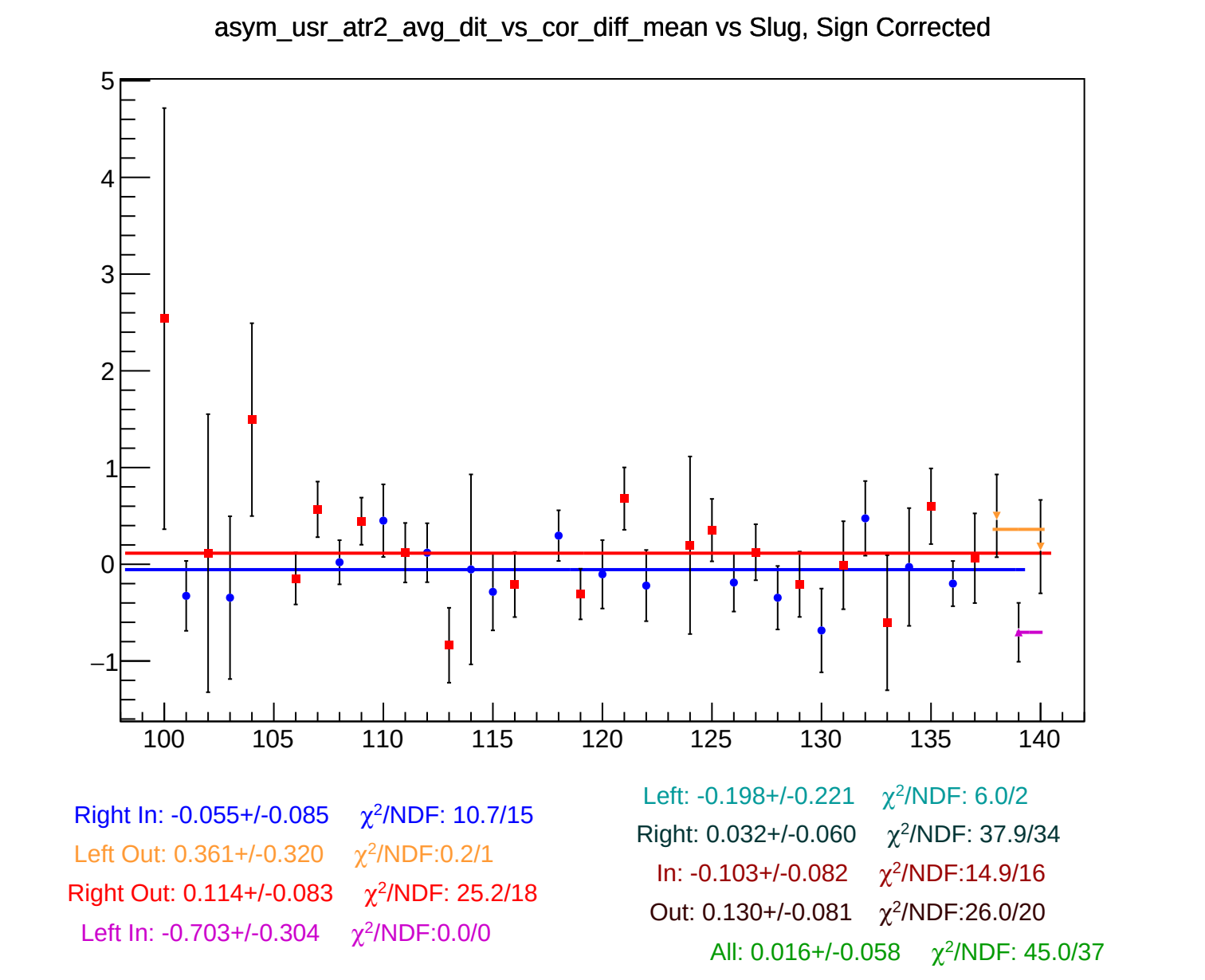
Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

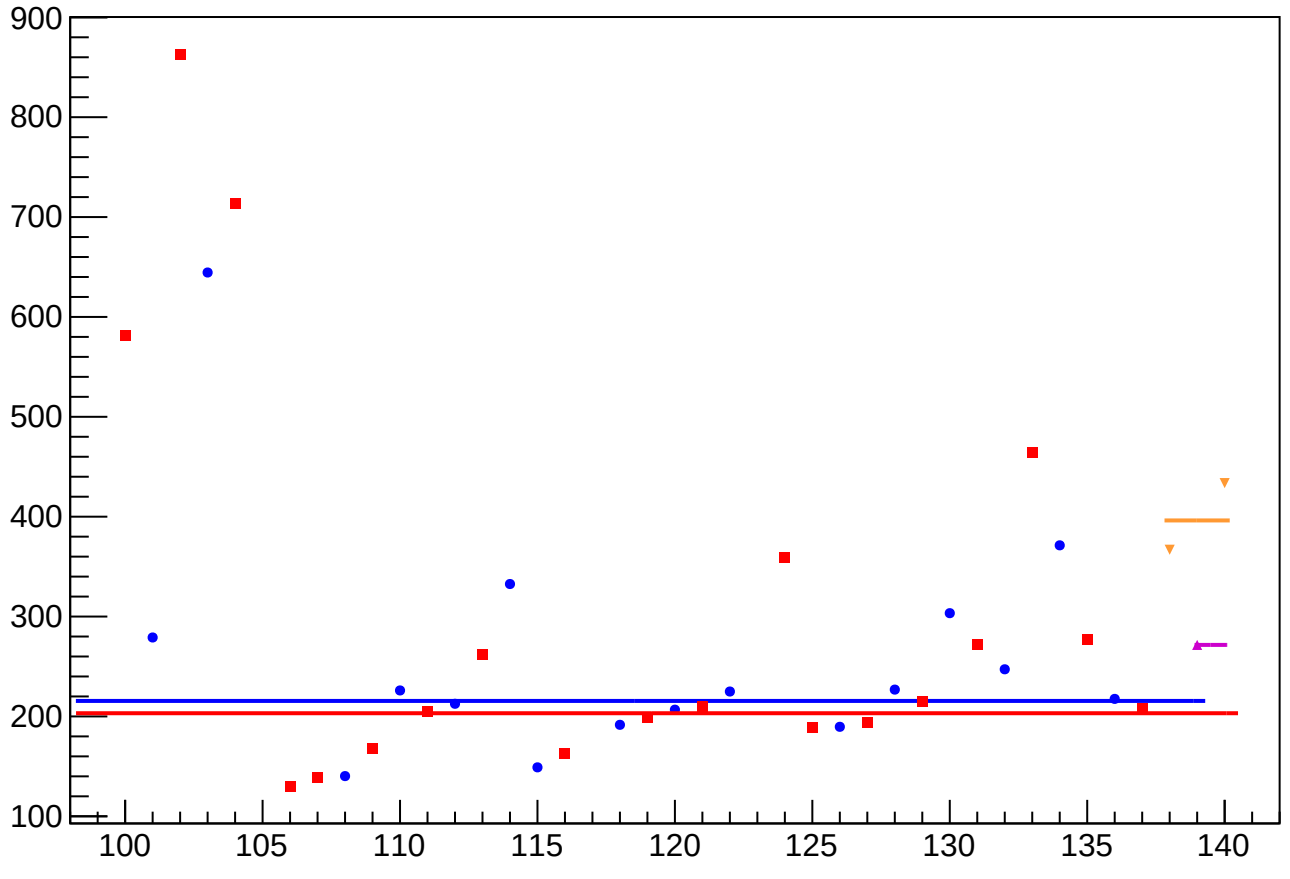
In: 0.000+/-0.000 χ^2/NDF:18.8/16

Out: 0.000+/-0.000 χ^2/NDF:28.5/20

All: 0.000+/-0.000 χ^2/NDF: 47.4/37


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:46052.4/1
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 314235.5/2
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:1331652.6/16
Out: 0.000+/-0.000 χ²/NDF:2424171.7/20
All: 0.000+/-0.000 χ²/NDF: 4136618.1/37


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
105
110
115
120
125
130
135
140
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.361+/-0.320 χ²/NDF:0.2/1
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.703+/-0.304 χ²/NDF:0.0/0
Left: -0.198+/-0.221 χ²/NDF: 6.0/2
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.103+/-0.082 χ²/NDF:14.9/16
Out: 0.130+/-0.081 χ²/NDF:26.0/20
All: 0.016+/-0.058 χ²/NDF: 45.0/37



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 396.237+/-0.226 χ^2/NDF:21398.2/1

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 271.612+/-0.215 χ^2/NDF:0.0/0

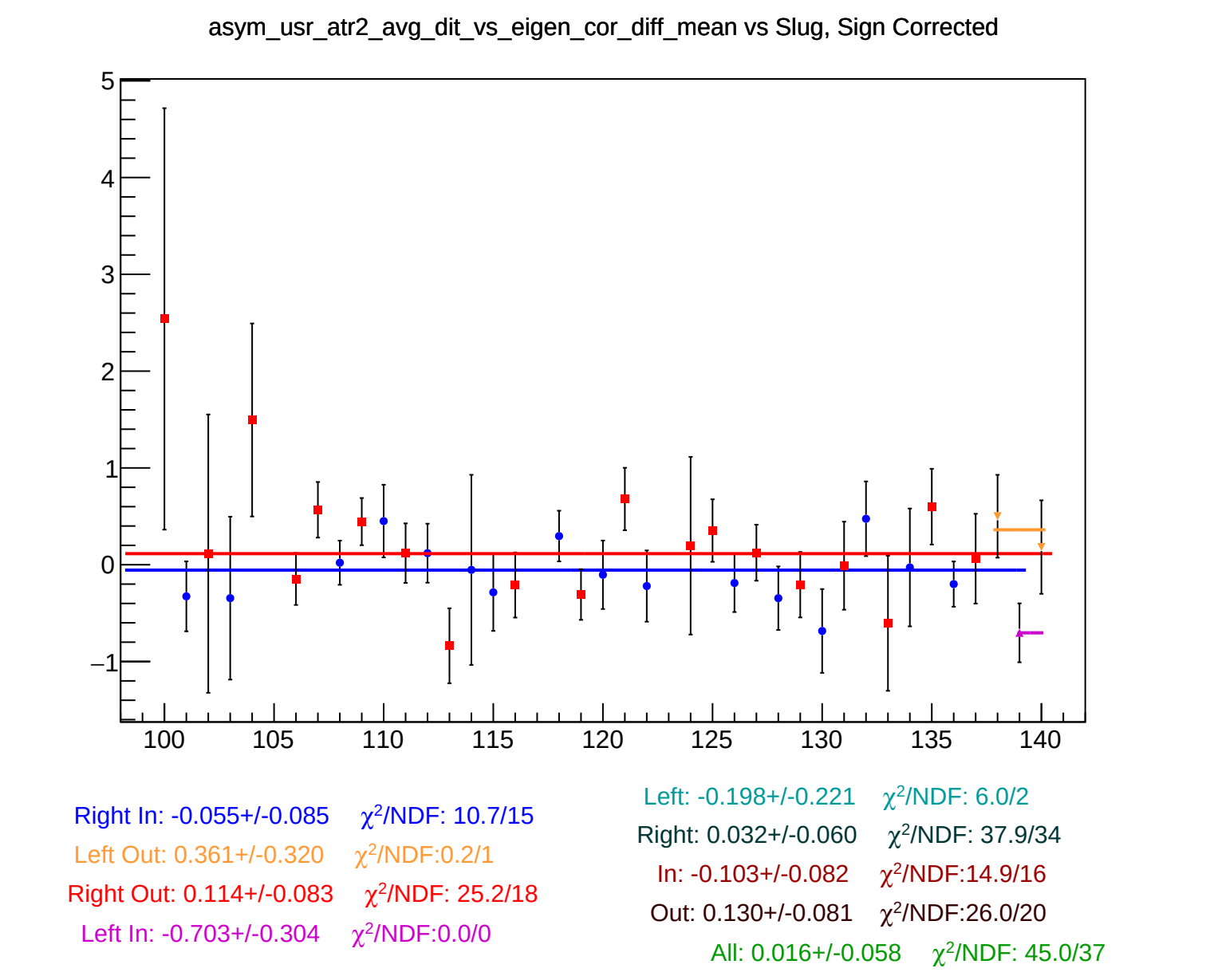
Left: 330.767+/-0.156 χ^2/NDF: 180600.3/2

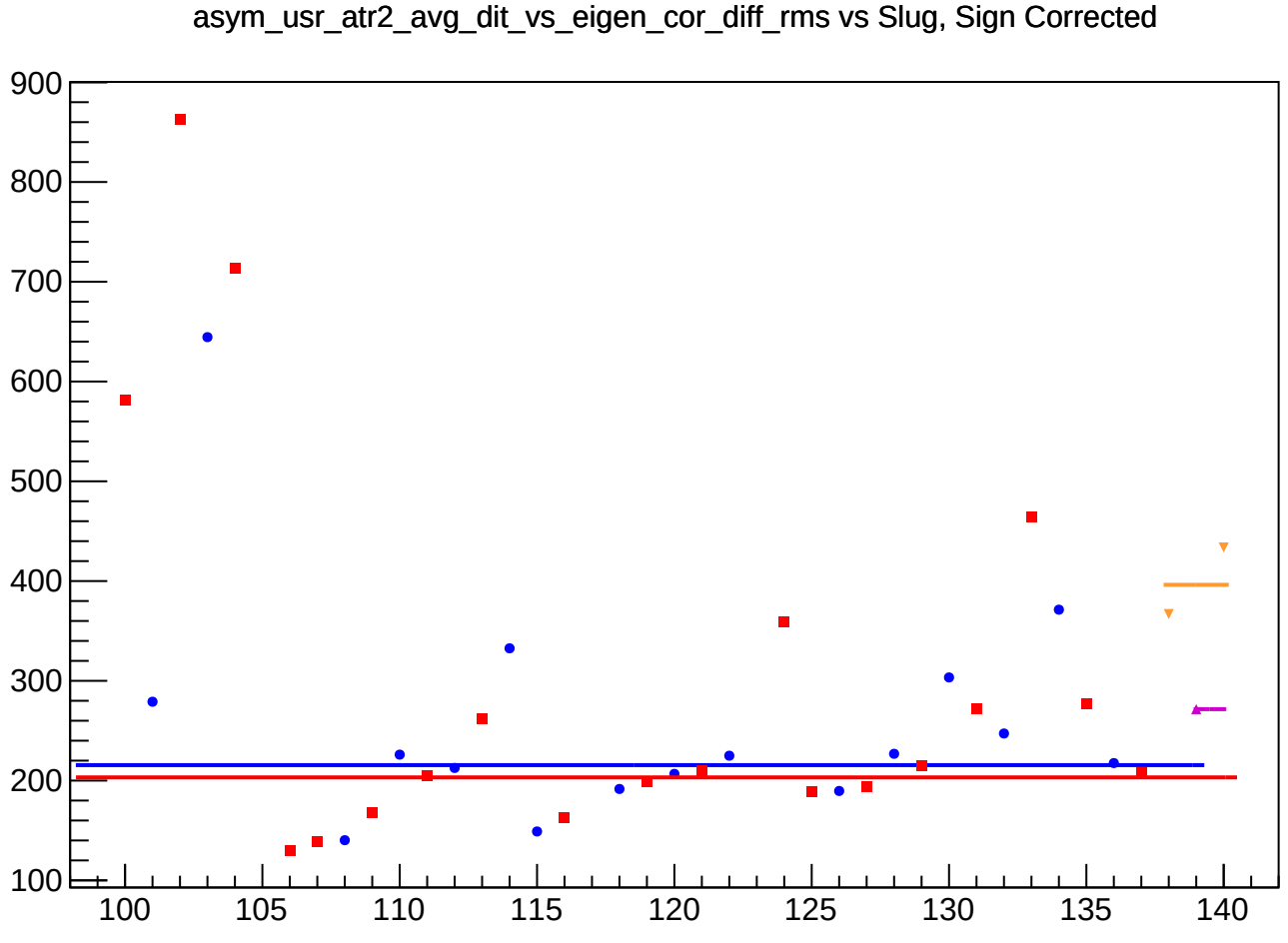
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 219.620+/-0.058 χ^2/NDF:1211706.3/16

Out: 215.423+/-0.057 χ^2/NDF:2537969.9/20

All: 217.476+/-0.041 χ^2/NDF: 3752333.8/37


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
105
110
115
120
125
130
135
140
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.361+/-0.320 χ²/NDF:0.2/1
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.703+/-0.304 χ²/NDF:0.0/0
Left: -0.198+/-0.221 χ²/NDF: 6.0/2
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.103+/-0.082 χ²/NDF:14.9/16
Out: 0.130+/-0.081 χ²/NDF:26.0/20
All: 0.016+/-0.058 χ²/NDF: 45.0/37



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 396.237+/-0.226 χ^2/NDF:21398.2/1

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 271.612+/-0.215 χ^2/NDF:0.0/0

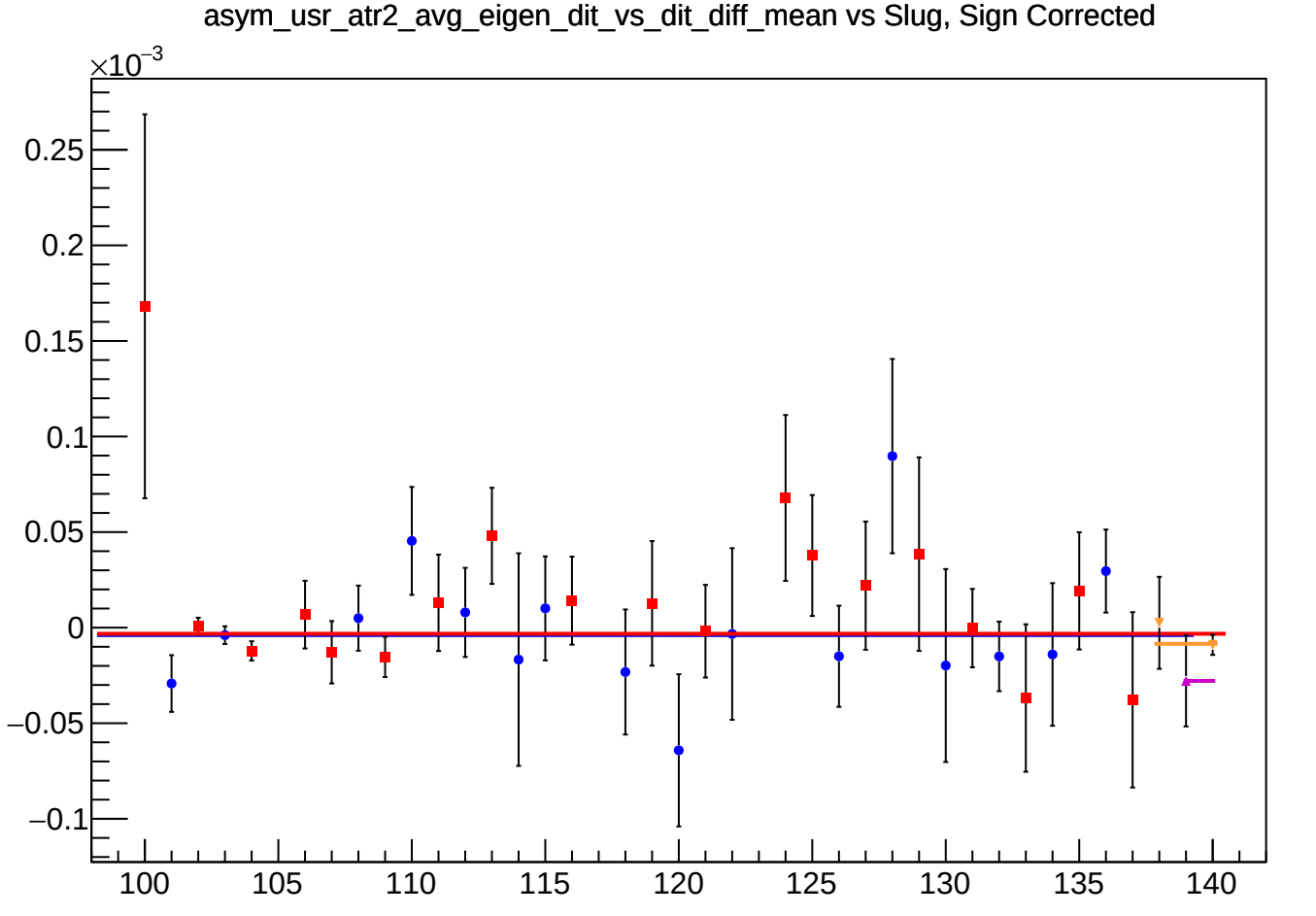
Left: 330.767+/-0.156 χ^2/NDF: 180600.3/2

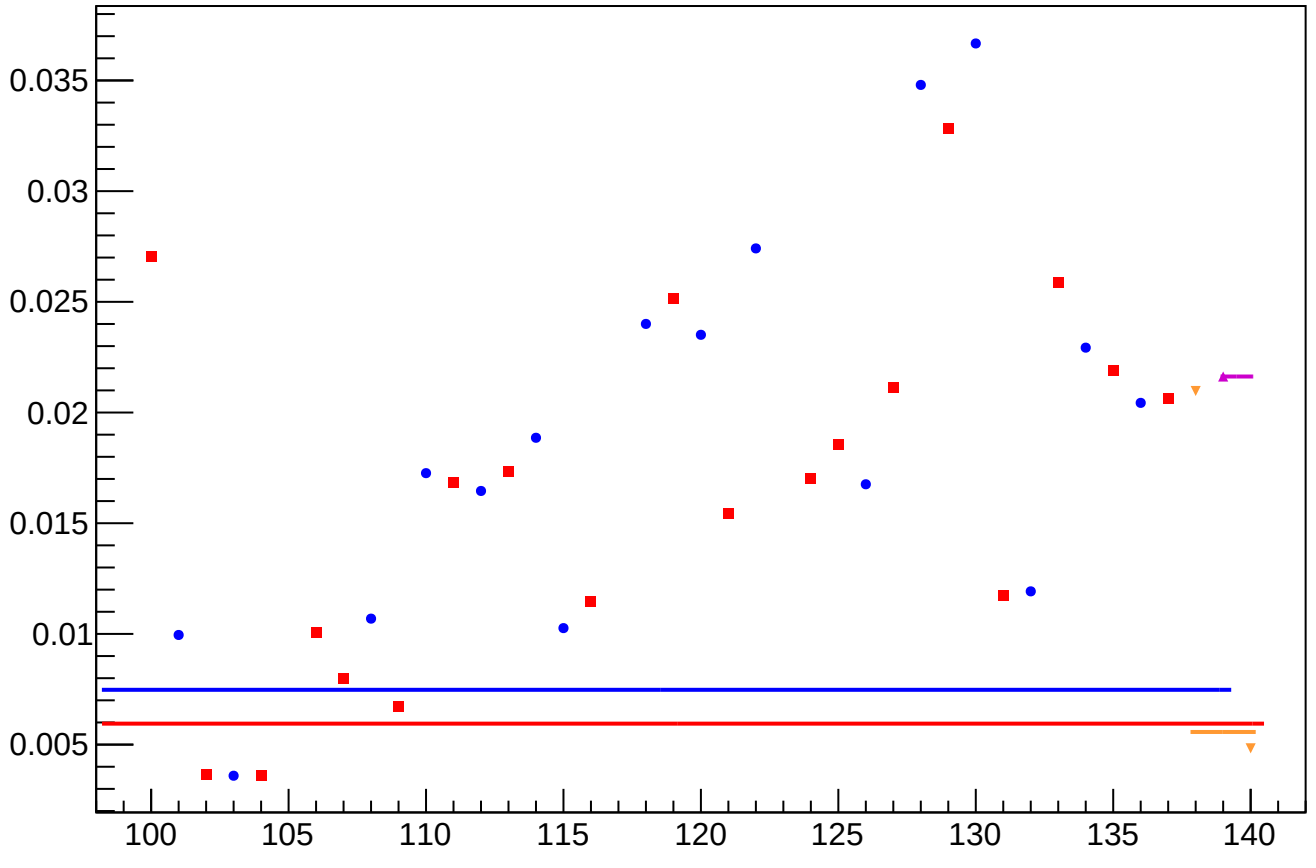
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 219.620+/-0.058 χ^2/NDF:1211706.3/16

Out: 215.423+/-0.057 χ^2/NDF:2537969.9/20

All: 217.476+/-0.041 χ^2/NDF: 3752333.8/37


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:0.2/1
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 0.9/2
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:16.9/16
Out: -0.000+/-0.000 χ²/NDF:22.7/20
All: -0.000+/-0.000 χ²/NDF: 39.6/37



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.006+/-0.000 χ^2/NDF:857706.4/1

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.022+/-0.000 χ^2/NDF:0.0/0

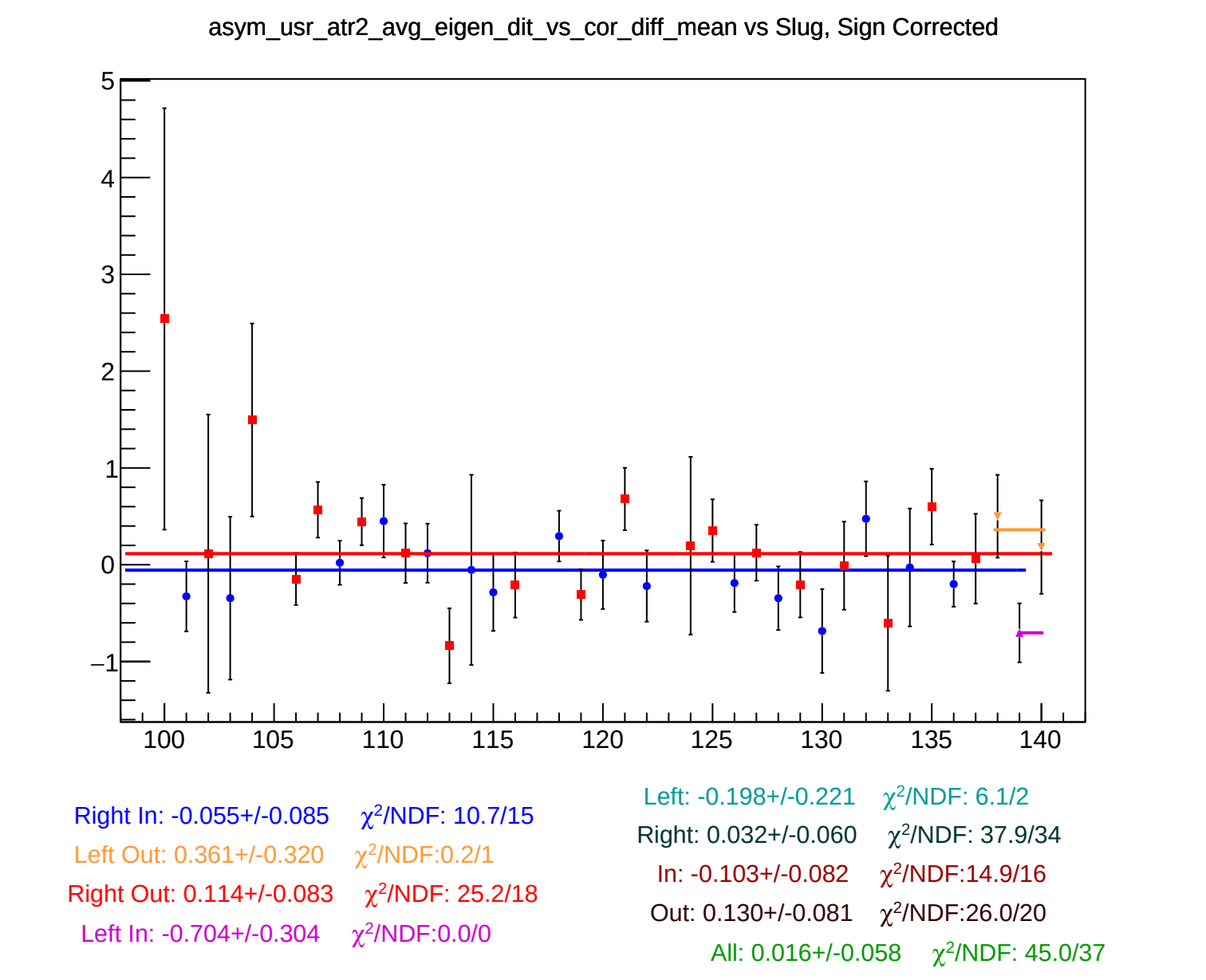
Left: 0.006+/-0.000 χ^2/NDF: 1727292.3/2

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:6765873.0/16

Out: 0.006+/-0.000 χ^2/NDF:6799833.8/20

All: 0.006+/-0.000 χ^2/NDF: 13946067.8/37


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
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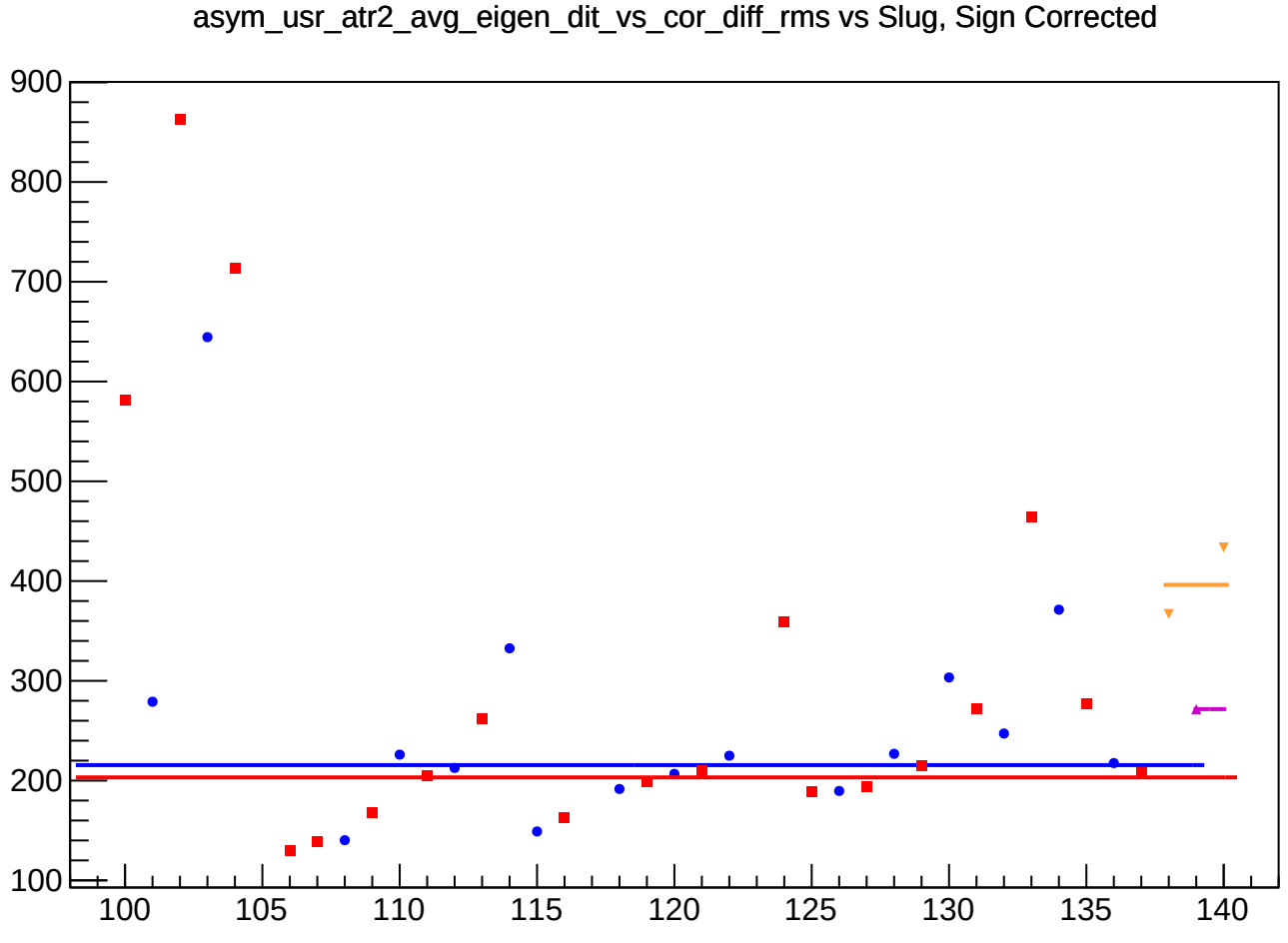
−1
100
105
110
115
120
125
130
135
140
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.361+/-0.320 χ²/NDF:0.2/1
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.704+/-0.304 χ²/NDF:0.0/0
Left: -0.198+/-0.221 χ²/NDF: 6.1/2
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.103+/-0.082 χ²/NDF:14.9/16
Out: 0.130+/-0.081 χ²/NDF:26.0/20
All: 0.016+/-0.058 χ²/NDF: 45.0/37



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 396.240+/-0.226 χ^2/NDF:21394.3/1

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 271.617+/-0.215 χ^2/NDF:0.0/0

Left: 330.772+/-0.156 χ^2/NDF: 180588.4/2

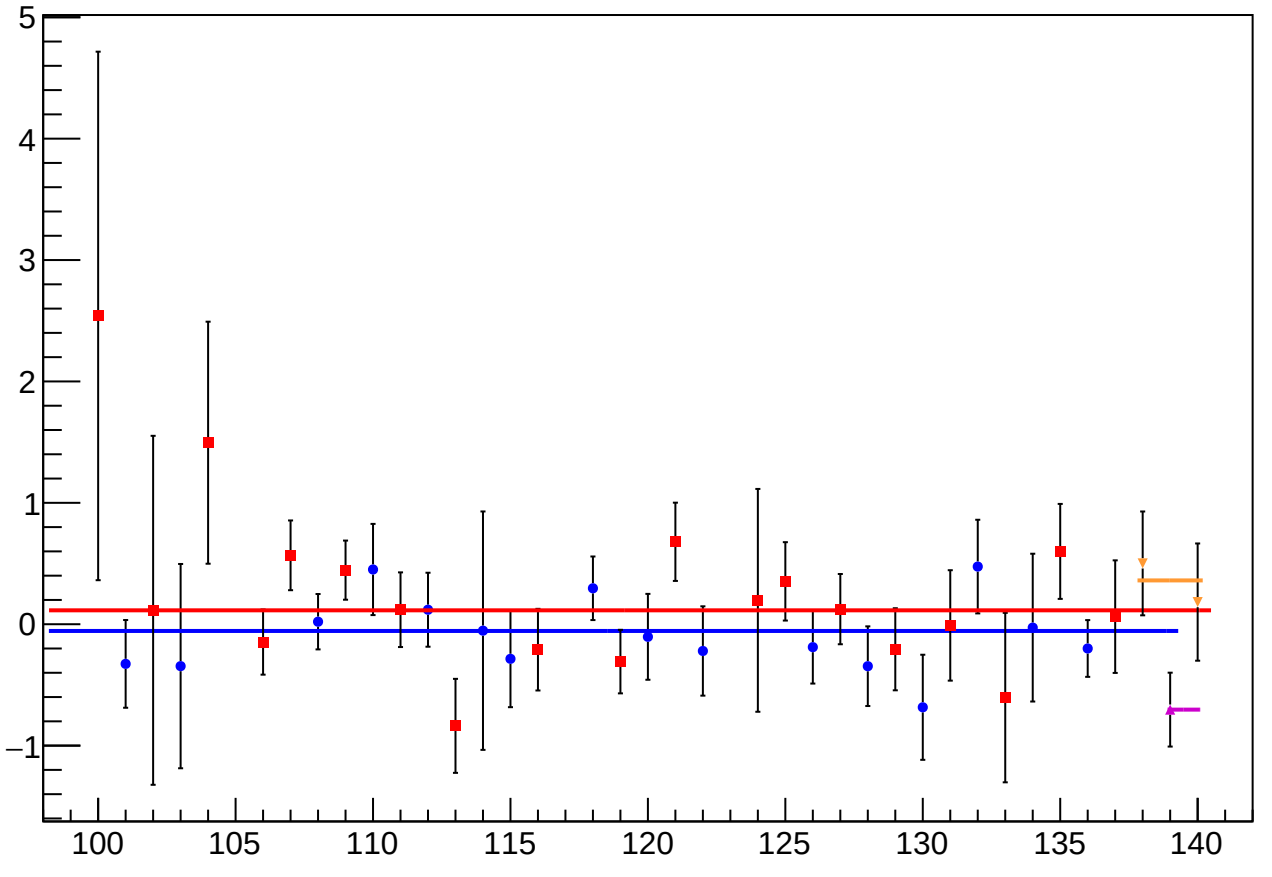
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 219.619+/-0.058 χ^2/NDF:1211691.7/16

Out: 215.421+/-0.057 χ^2/NDF:2537974.7/20

All: 217.475+/-0.041 χ^2/NDF: 3752324.7/37

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.361+/-0.320 χ^2/NDF:0.2/1

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.704+/-0.304 χ^2/NDF:0.0/0

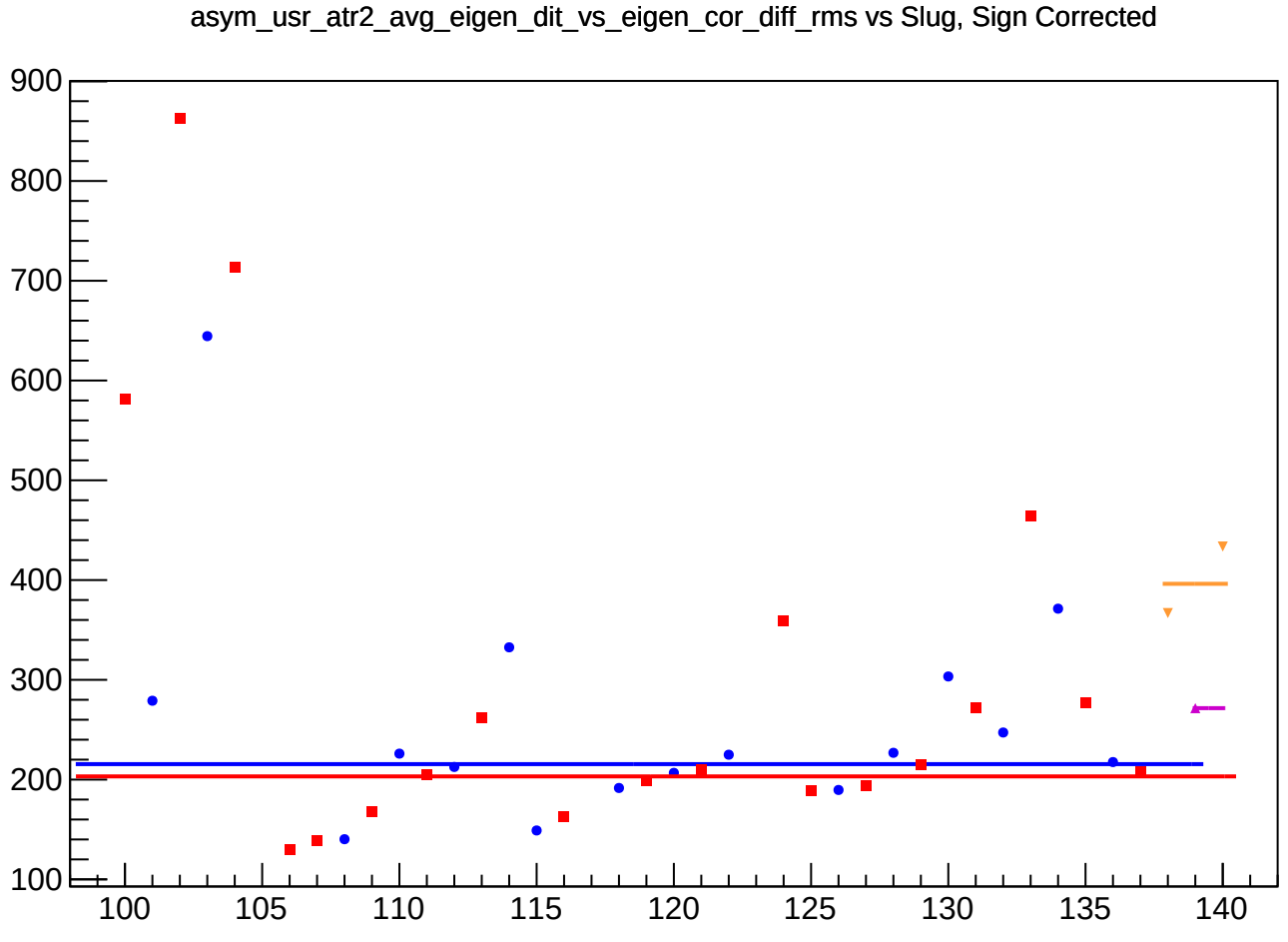
Left: -0.198+/-0.221 χ^2/NDF: 6.1/2

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.103+/-0.082 χ^2/NDF:14.9/16

Out: 0.130+/-0.081 χ^2/NDF:26.0/20

All: 0.016+/-0.058 χ^2/NDF: 45.0/37



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 396.240+/-0.226 χ^2/NDF:21394.3/1

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 271.617+/-0.215 χ^2/NDF:0.0/0

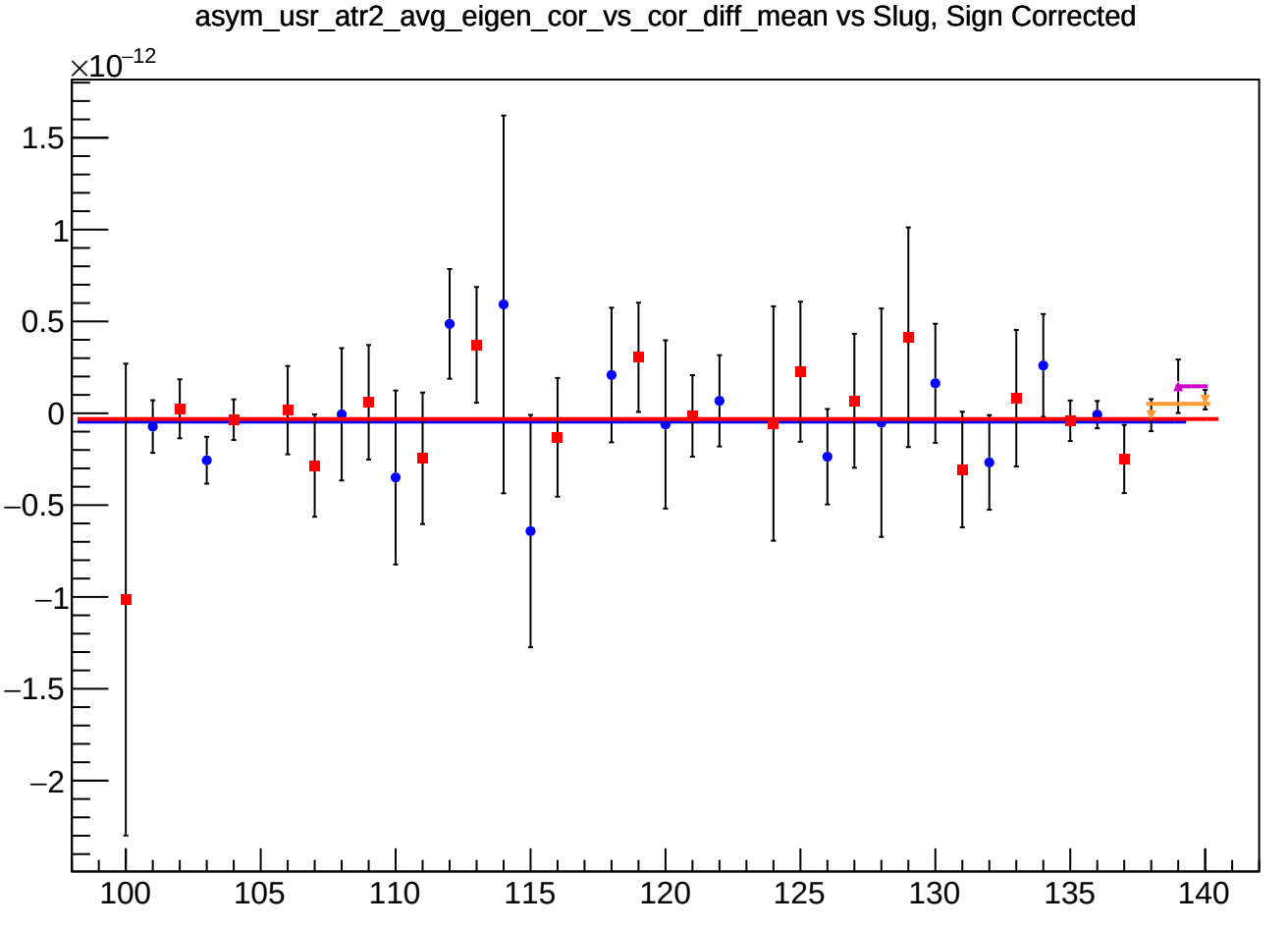
Left: 330.772+/-0.156 χ^2/NDF: 180588.4/2

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 219.619+/-0.058 χ^2/NDF:1211691.7/16

Out: 215.421+/-0.057 χ^2/NDF:2537974.7/20

All: 217.475+/-0.041 χ^2/NDF: 3752324.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

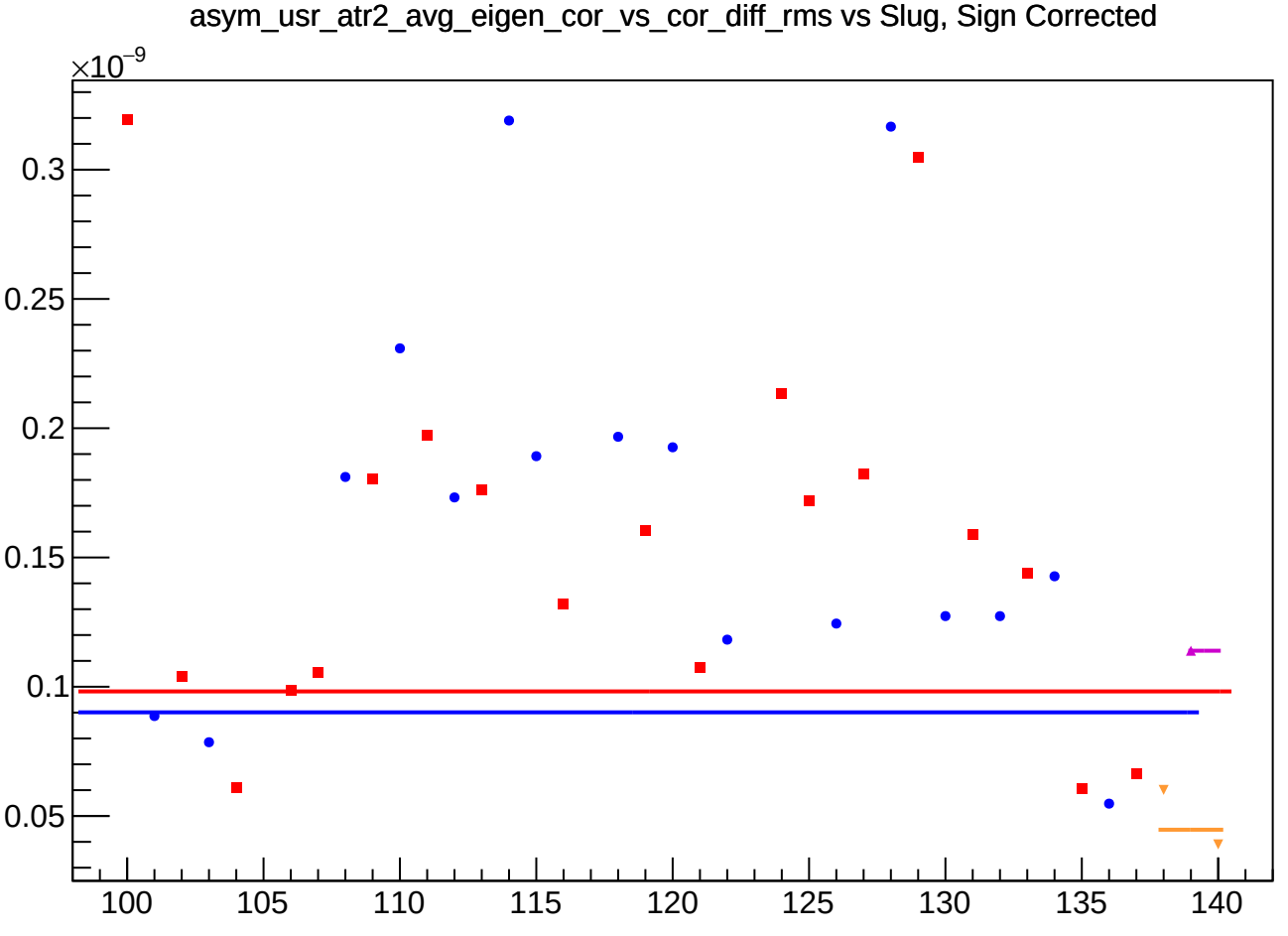
Left: 0.000+/-0.000 χ^2/NDF: 1.1/2

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:13.0/16

Out: 0.000+/-0.000 χ^2/NDF:10.5/20

All: 0.000+/-0.000 χ^2/NDF: 24.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:84850.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

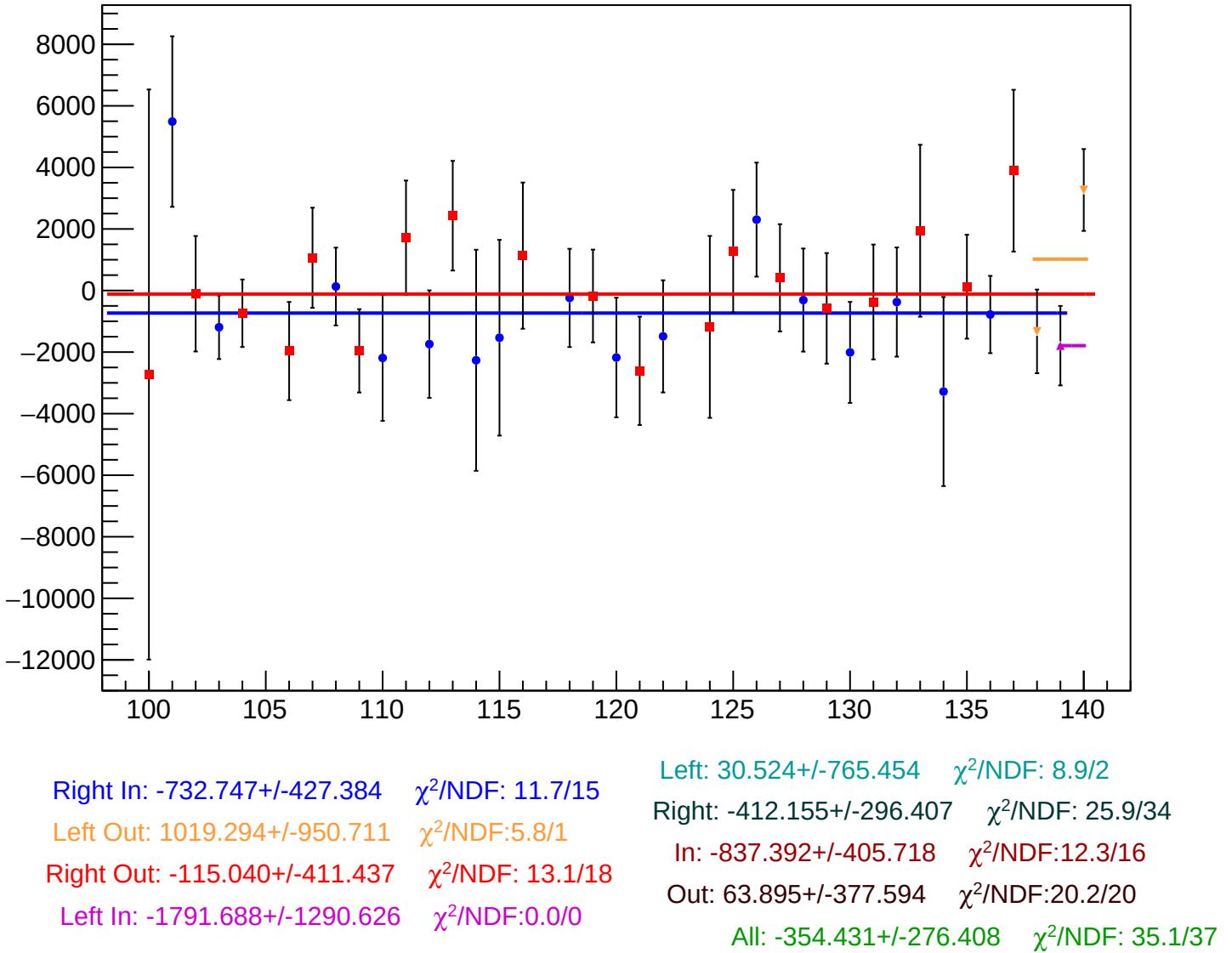
Left: 0.000+/-0.000 χ^2/NDF: 496650.2/2

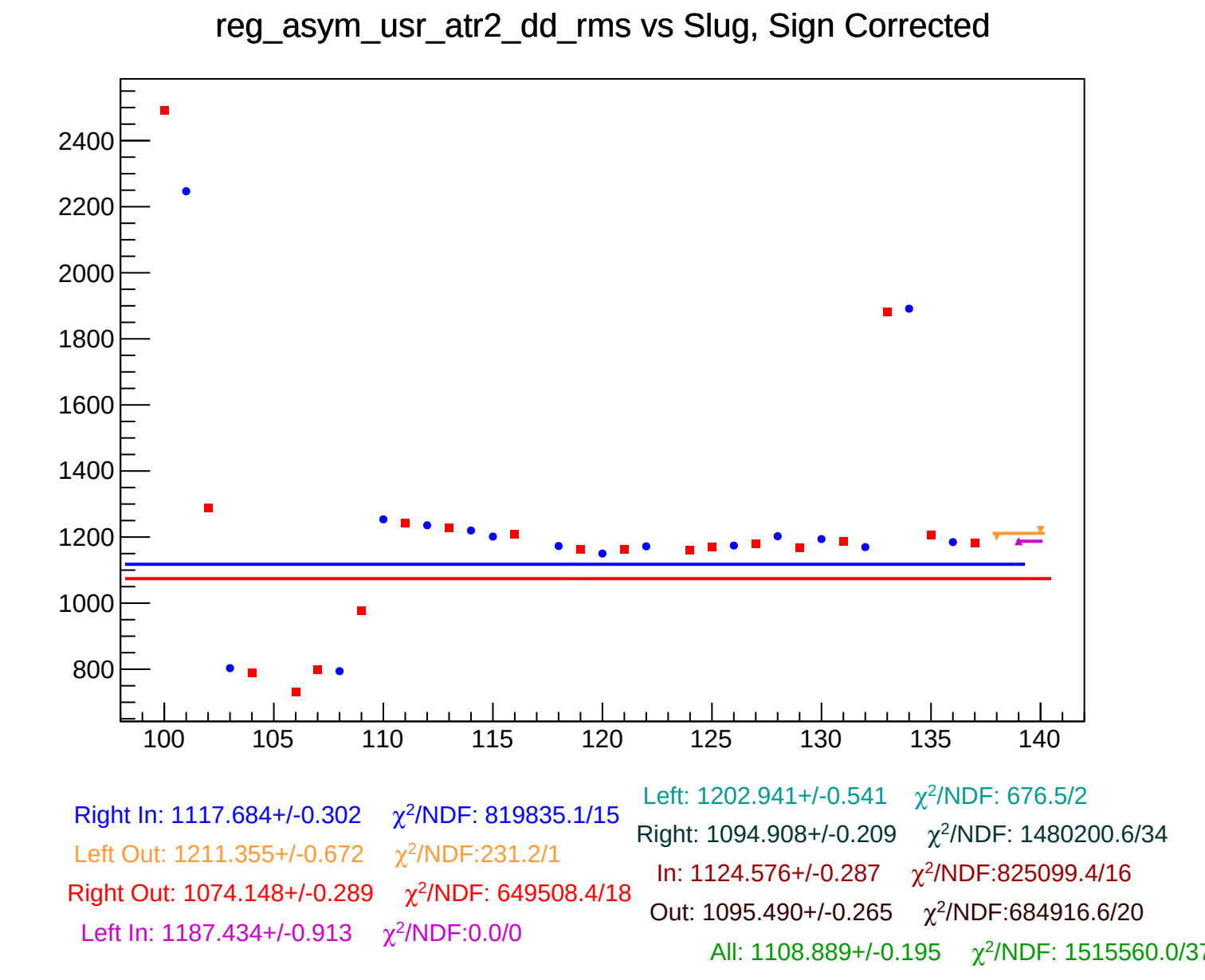
Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

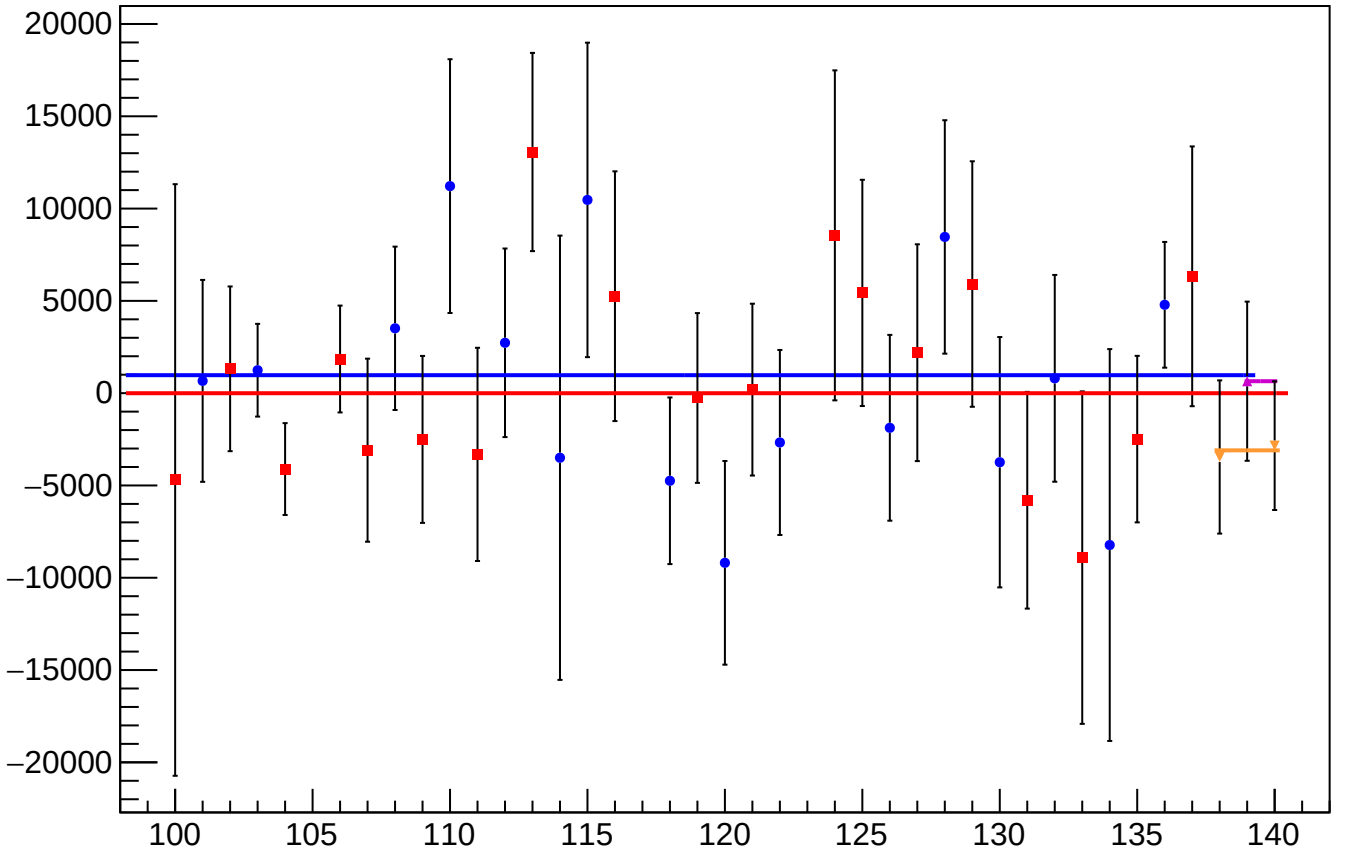
In: 0.000+/-0.000 χ^2/NDF:1855949.8/16

Out: 0.000+/-0.000 χ^2/NDF:2979421.9/20

All: 0.000+/-0.000 χ^2/NDF: 5197729.3/37


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
105
110
115
120
125
130
135
140
Right In: -732.747+/-427.384 χ²/NDF: 11.7/15
Left Out: 1019.294+/-950.711 χ²/NDF:5.8/1
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -1791.688+/-1290.626 χ²/NDF:0.0/0
Left: 30.524+/-765.454 χ²/NDF: 8.9/2
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -837.392+/-405.718 χ²/NDF:12.3/16
Out: 63.895+/-377.594 χ²/NDF:20.2/20
All: -354.431+/-276.408 χ²/NDF: 35.1/37


reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
105
110
115
120
125
130
135
140
Right In: 1117.684+/-0.302 χ²/NDF: 819835.1/15
Left Out: 1211.355+/-0.672 χ²/NDF:231.2/1
Right Out: 1074.148+/-0.289 χ²/NDF: 649508.4/18
Left In: 1187.434+/-0.913 χ²/NDF:0.0/0
Left: 1202.941+/-0.541 χ²/NDF: 676.5/2
Right: 1094.908+/-0.209 χ²/NDF: 1480200.6/34
In: 1124.576+/-0.287 χ²/NDF:825099.4/16
Out: 1095.490+/-0.265 χ²/NDF:684916.6/20
All: 1108.889+/-0.195 χ²/NDF: 1515560.0/37



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -3097.420+/-2669.559 χ^2/NDF:0.0/1

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 647.800+/-4311.462 χ^2/NDF:0.0/0

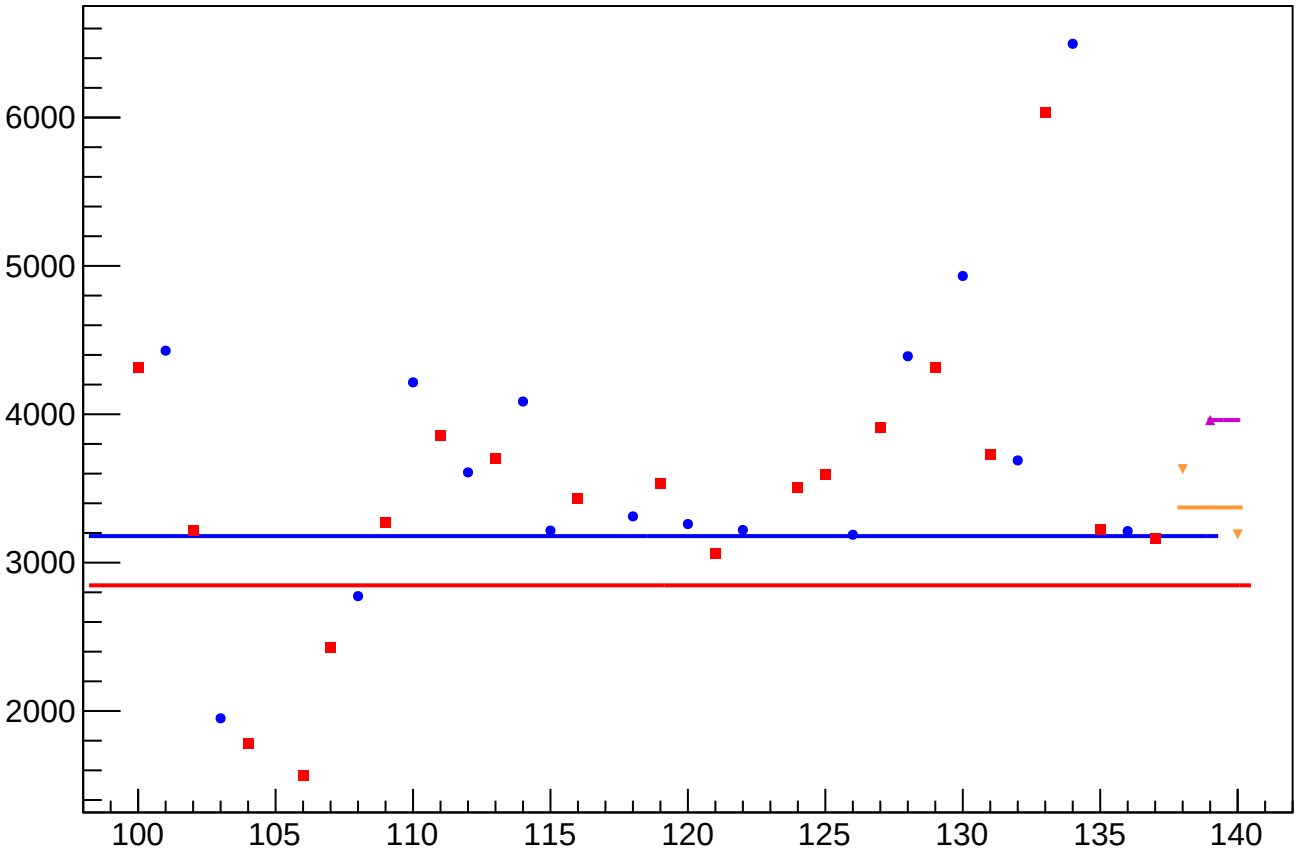
Left: -2059.496+/-2269.701 χ^2/NDF: 0.6/2

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 949.121+/-1185.256 χ^2/NDF:13.8/16

Out: -461.766+/-1027.996 χ^2/NDF:17.7/20

All: 143.933+/-776.594 χ^2/NDF: 32.3/37



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3371.877+/-1.888 χ^2/NDF:13167.8/1

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3961.184+/-3.049 χ^2/NDF:0.0/0

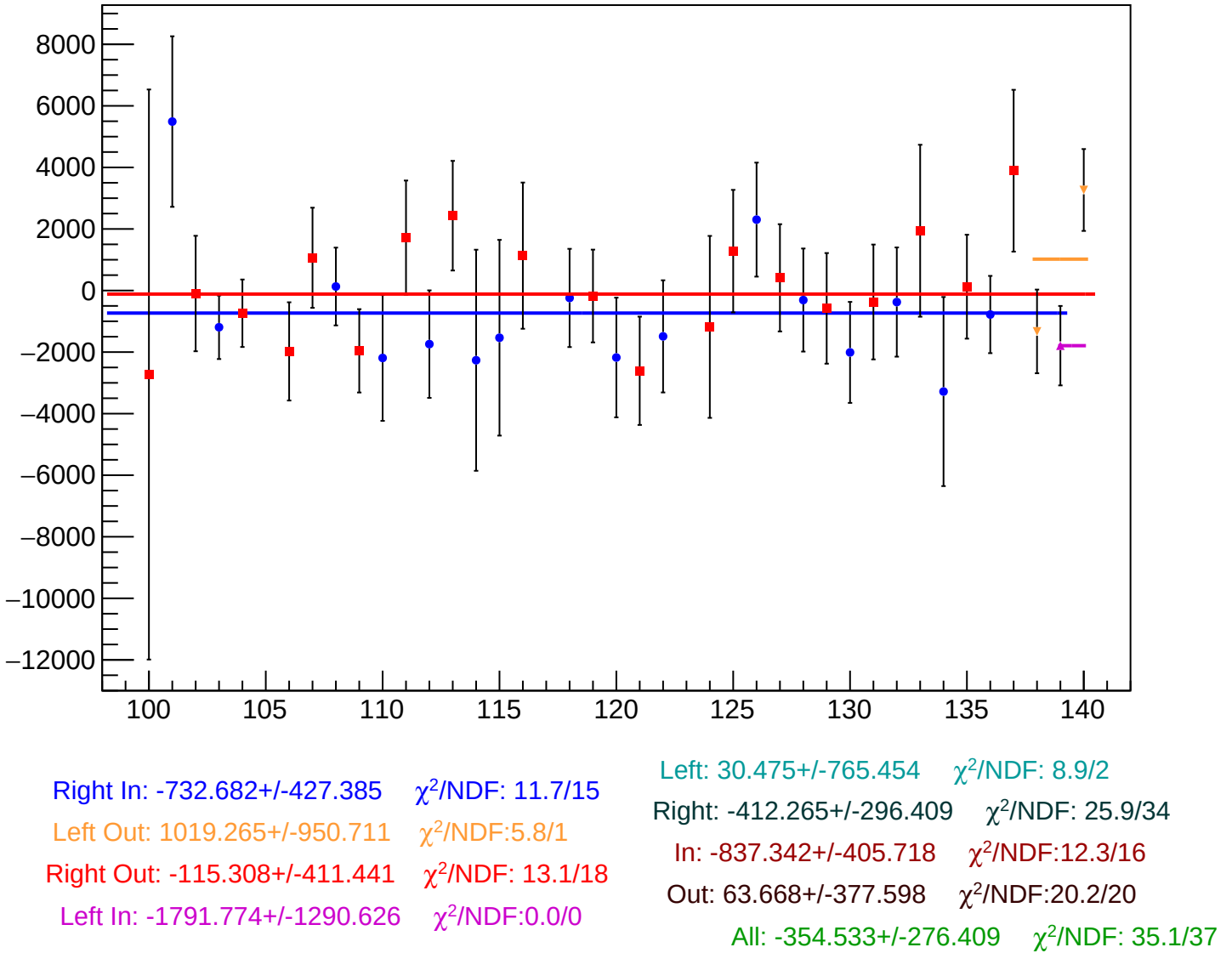
Left: 3535.193+/-1.605 χ^2/NDF: 40177.7/2

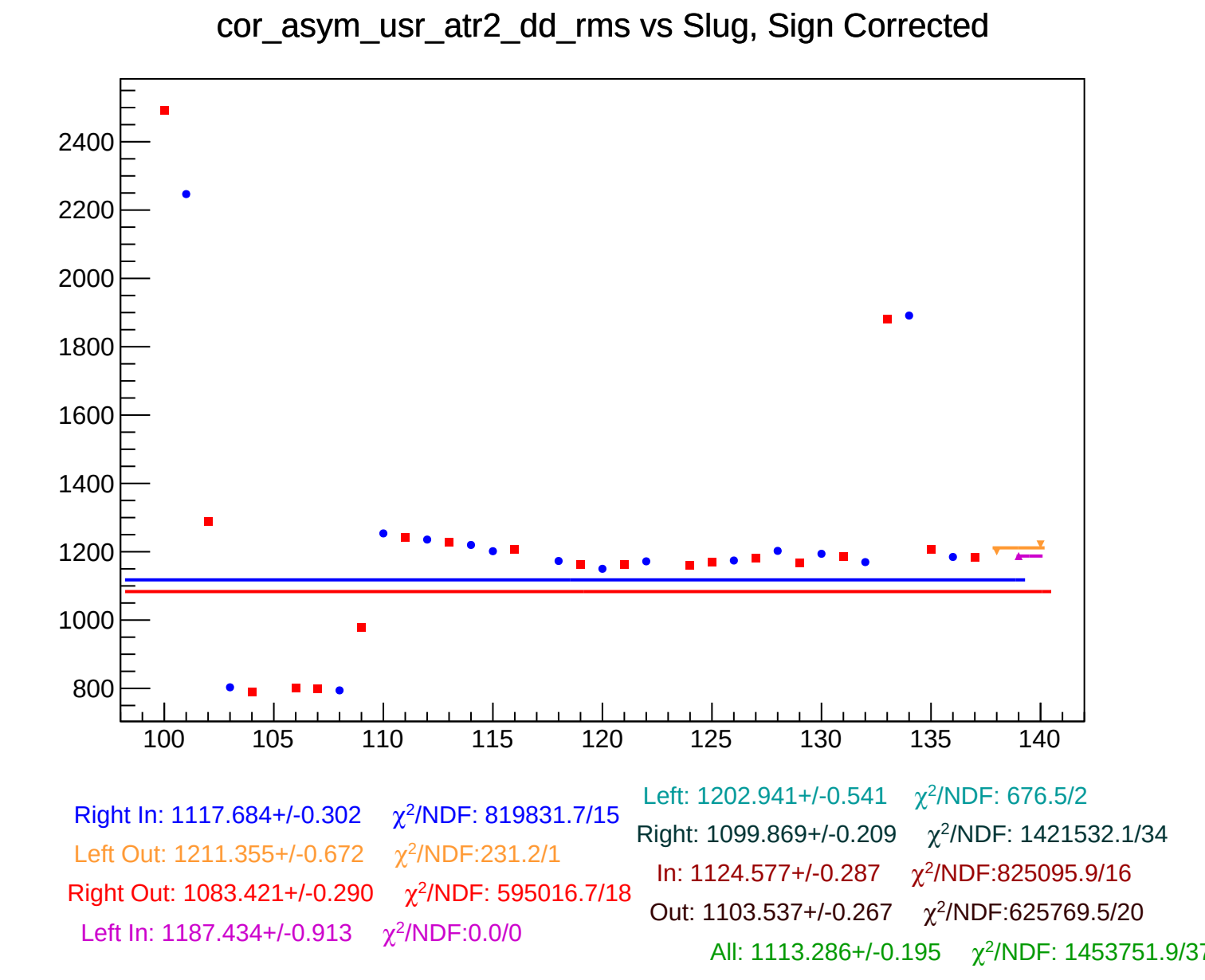
Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

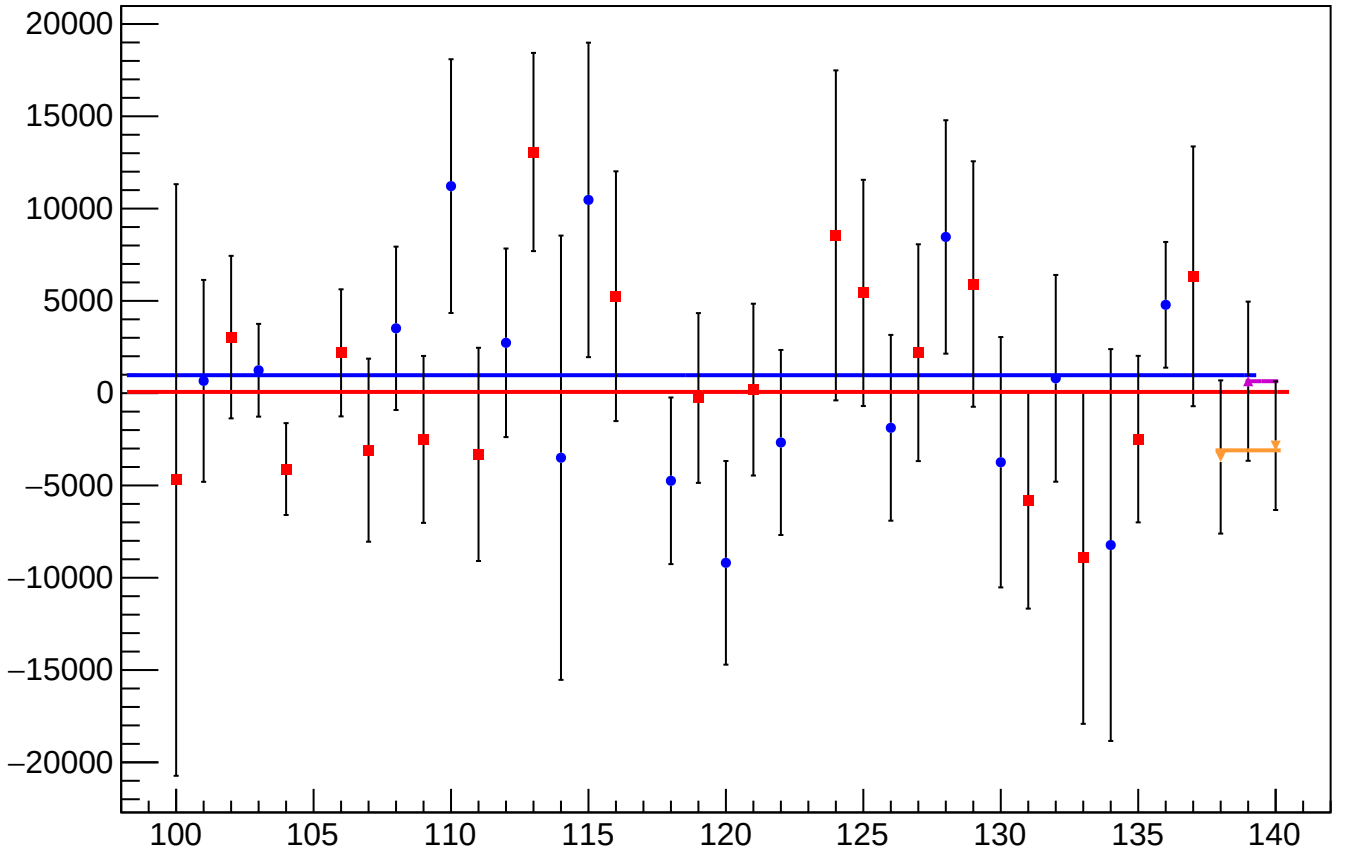
In: 3237.993+/-0.838 χ^2/NDF:1152548.6/16

Out: 2924.846+/-0.727 χ^2/NDF:1590175.2/20

All: 3059.281+/-0.549 χ^2/NDF: 2822396.0/37


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
105
110
115
120
125
130
135
140
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 1019.265+/-950.711 χ²/NDF:5.8/1
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -1791.774+/-1290.626 χ²/NDF:0.0/0
Left: 30.475+/-765.454 χ²/NDF: 8.9/2
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -837.342+/-405.718 χ²/NDF:12.3/16
Out: 63.668+/-377.598 χ²/NDF:20.2/20
All: -354.533+/-276.409 χ²/NDF: 35.1/37


cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
105
110
115
120
125
130
135
140
Right In: 1117.684+/-0.302 χ²/NDF: 819831.7/15
Left Out: 1211.355+/-0.672 χ²/NDF:231.2/1
Right Out: 1083.421+/-0.290 χ²/NDF: 595016.7/18
Left In: 1187.434+/-0.913 χ²/NDF:0.0/0
Left: 1202.941+/-0.541 χ²/NDF: 676.5/2
Right: 1099.869+/-0.209 χ²/NDF: 1421532.1/34
In: 1124.577+/-0.287 χ²/NDF:825095.9/16
Out: 1103.537+/-0.267 χ²/NDF:625769.5/20
All: 1113.286+/-0.195 χ²/NDF: 1453751.9/37



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -3097.240+/-2669.551 χ^2/NDF:0.0/1

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 647.759+/-4311.462 χ^2/NDF:0.0/0

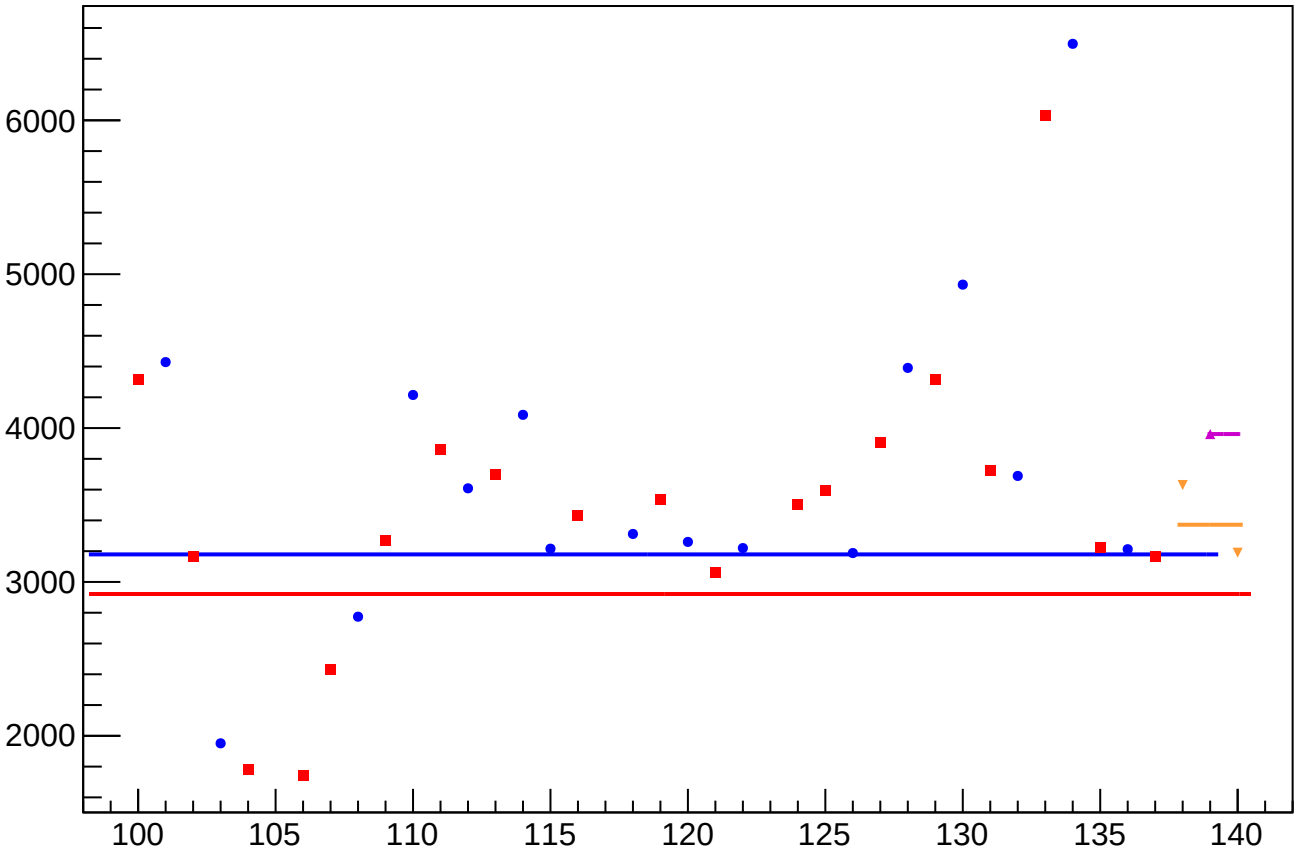
Left: -2059.381+/-2269.696 χ^2/NDF: 0.6/2

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 948.655+/-1185.300 χ^2/NDF:13.8/16

Out: -419.415+/-1046.766 χ^2/NDF:18.1/20

All: 180.036+/-784.605 χ^2/NDF: 32.7/37



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3371.866+/-1.888 χ^2/NDF:13168.3/1

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3961.184+/-3.049 χ^2/NDF:0.0/0

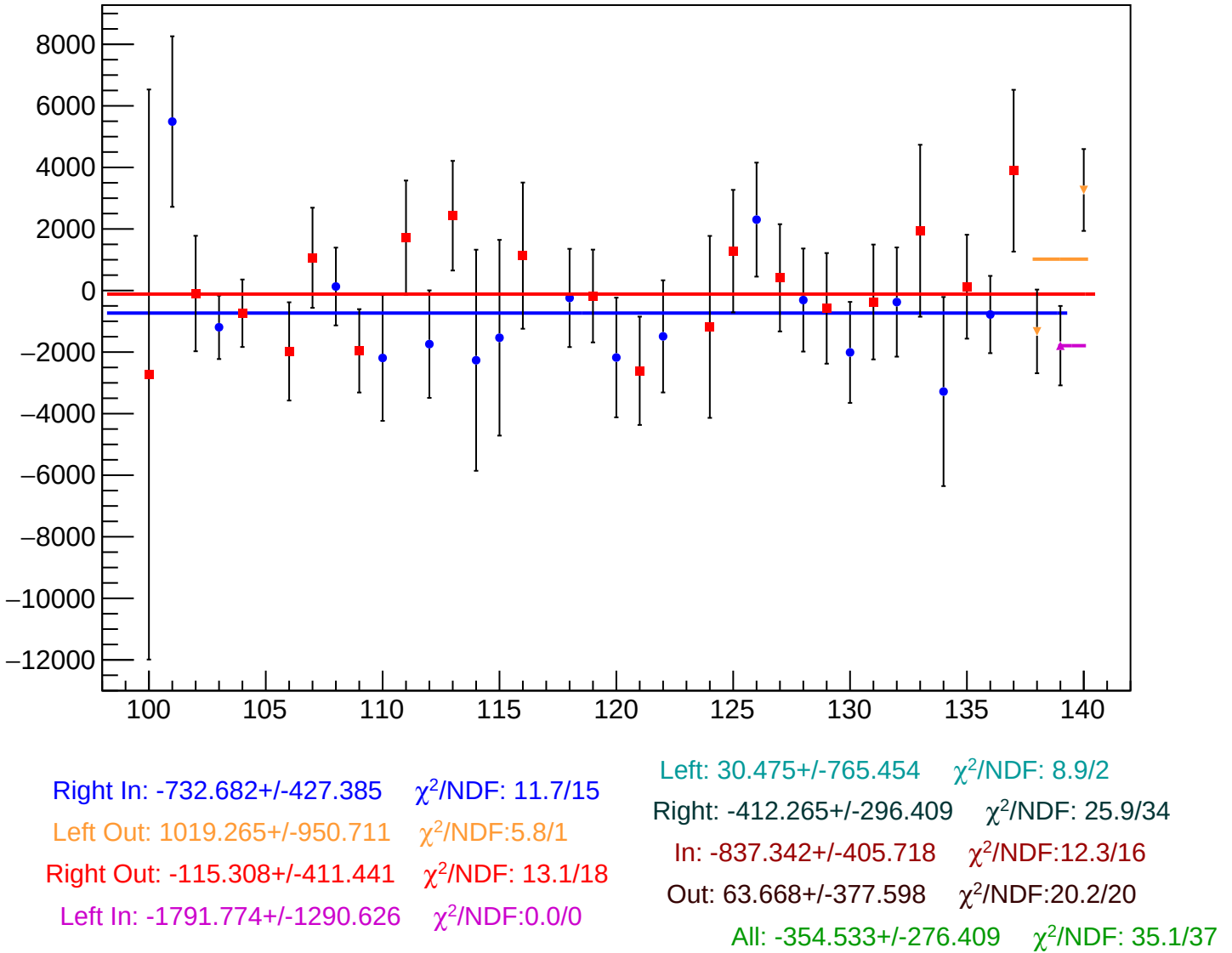
Left: 3535.185+/-1.605 χ^2/NDF: 40179.2/2

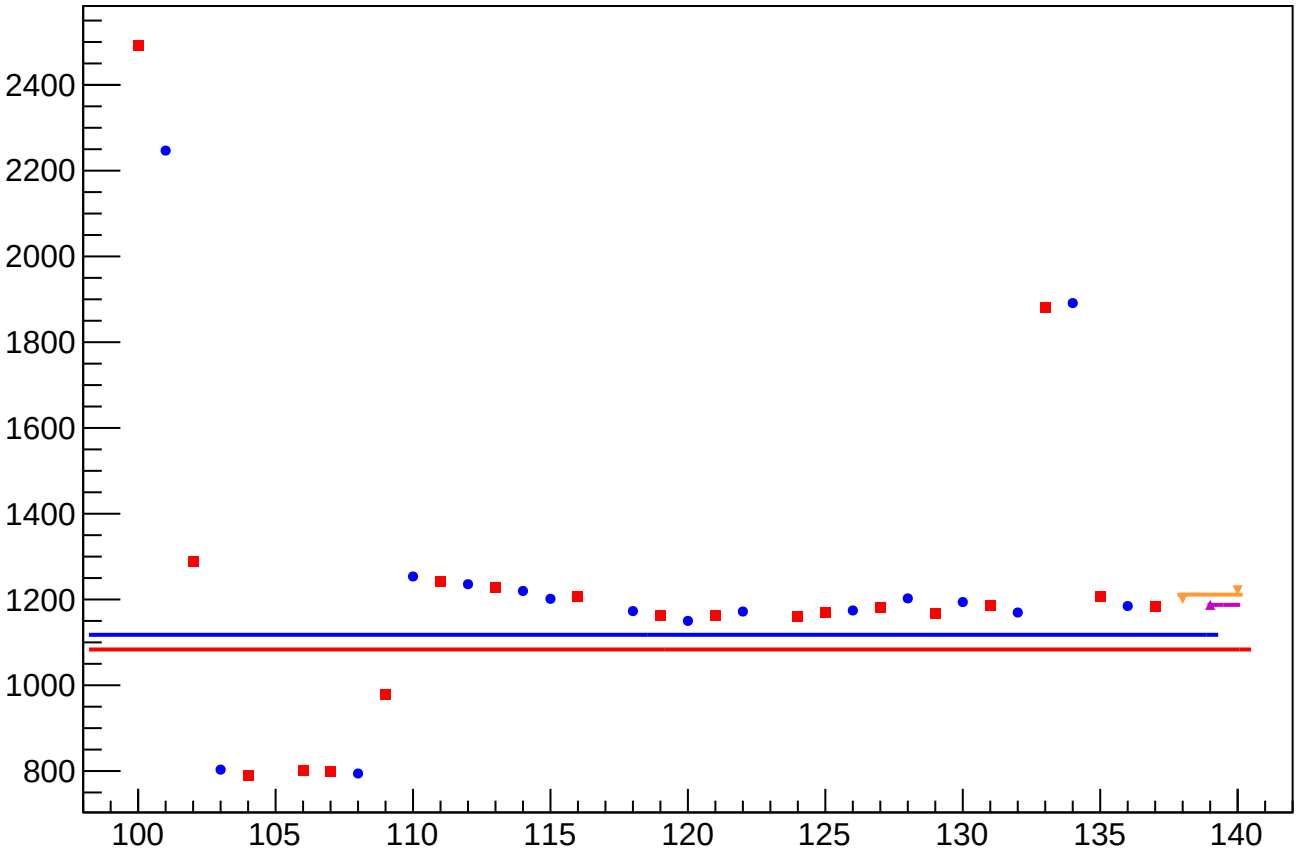
Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3238.168+/-0.838 χ^2/NDF:1152079.1/16

Out: 2990.864+/-0.740 χ^2/NDF:1374198.8/20

All: 3099.226+/-0.555 χ^2/NDF: 2575192.2/37


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
105
110
115
120
125
130
135
140
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 1019.265+/-950.711 χ²/NDF:5.8/1
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -1791.774+/-1290.626 χ²/NDF:0.0/0
Left: 30.475+/-765.454 χ²/NDF: 8.9/2
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -837.342+/-405.718 χ²/NDF:12.3/16
Out: 63.668+/-377.598 χ²/NDF:20.2/20
All: -354.533+/-276.409 χ²/NDF: 35.1/37



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1211.355+/-0.672 χ^2/NDF:231.2/1

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1187.434+/-0.913 χ^2/NDF:0.0/0

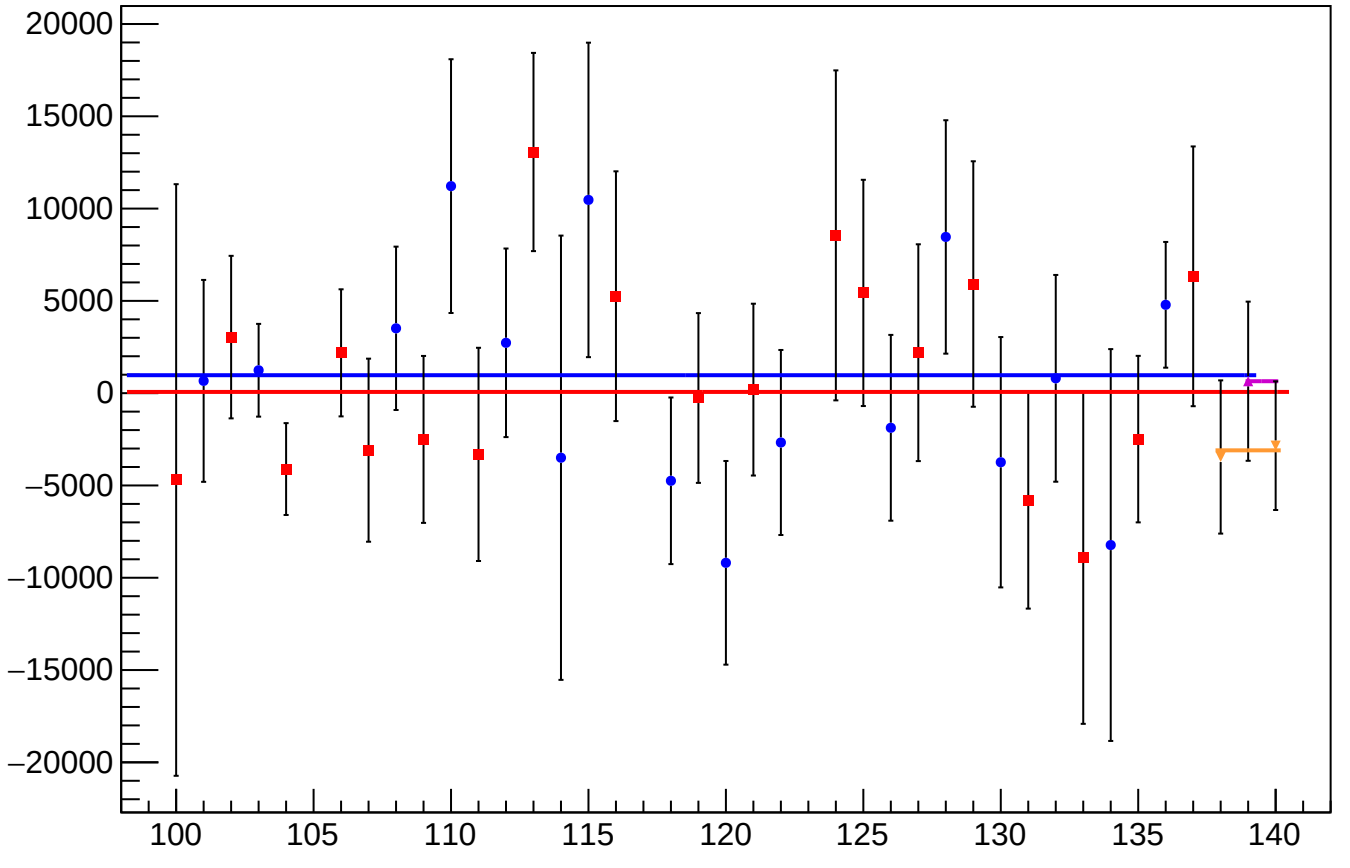
Left: 1202.941+/-0.541 χ^2/NDF: 676.5/2

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1124.577+/-0.287 χ^2/NDF:825095.9/16

Out: 1103.537+/-0.267 χ^2/NDF:625769.5/20

All: 1113.286+/-0.195 χ^2/NDF: 1453751.9/37



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -3097.240+/-2669.551 χ^2/NDF:0.0/1

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 647.759+/-4311.462 χ^2/NDF:0.0/0

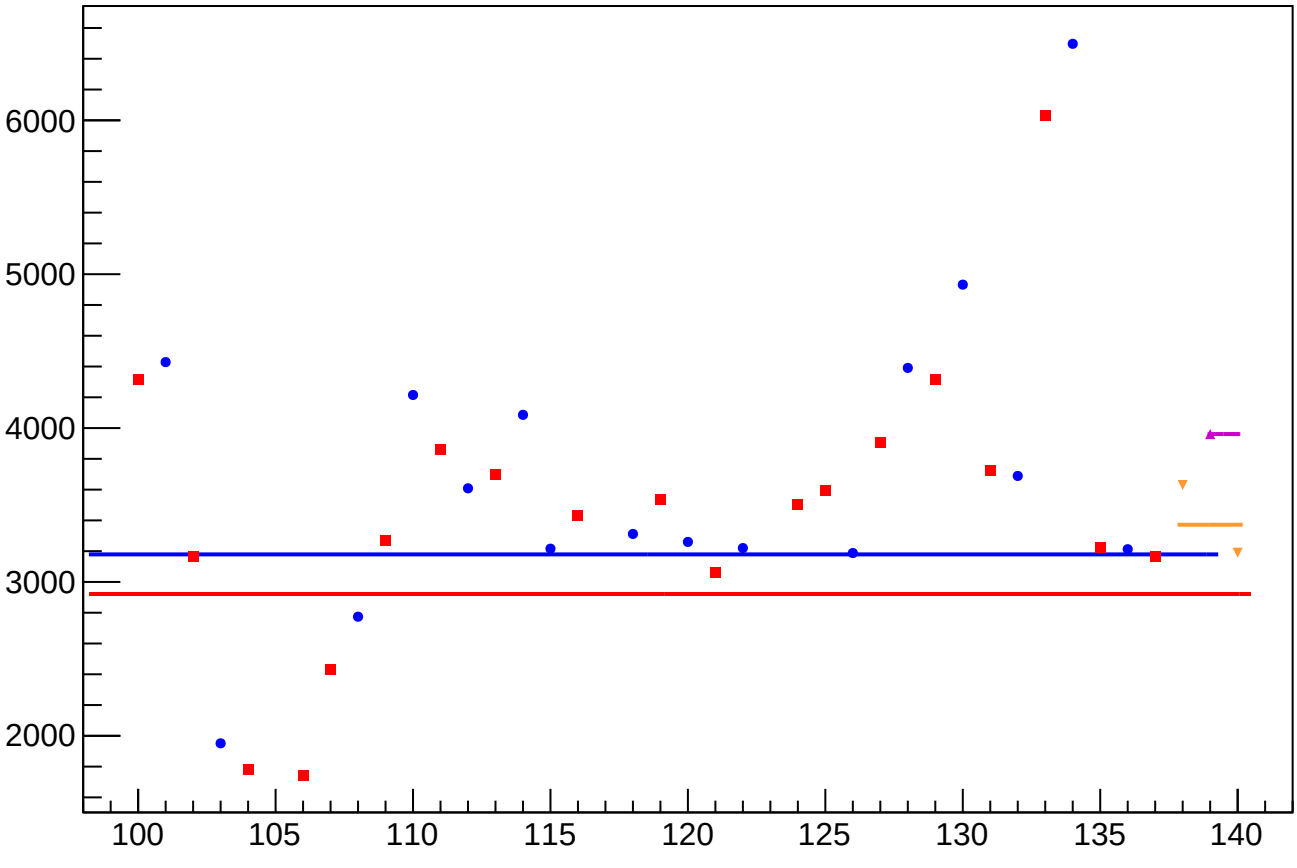
Left: -2059.381+/-2269.696 χ^2/NDF: 0.6/2

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 948.655+/-1185.300 χ^2/NDF:13.8/16

Out: -419.415+/-1046.766 χ^2/NDF:18.1/20

All: 180.036+/-784.605 χ^2/NDF: 32.7/37



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3371.866+/-1.888 χ^2/NDF:13168.3/1

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3961.184+/-3.049 χ^2/NDF:0.0/0

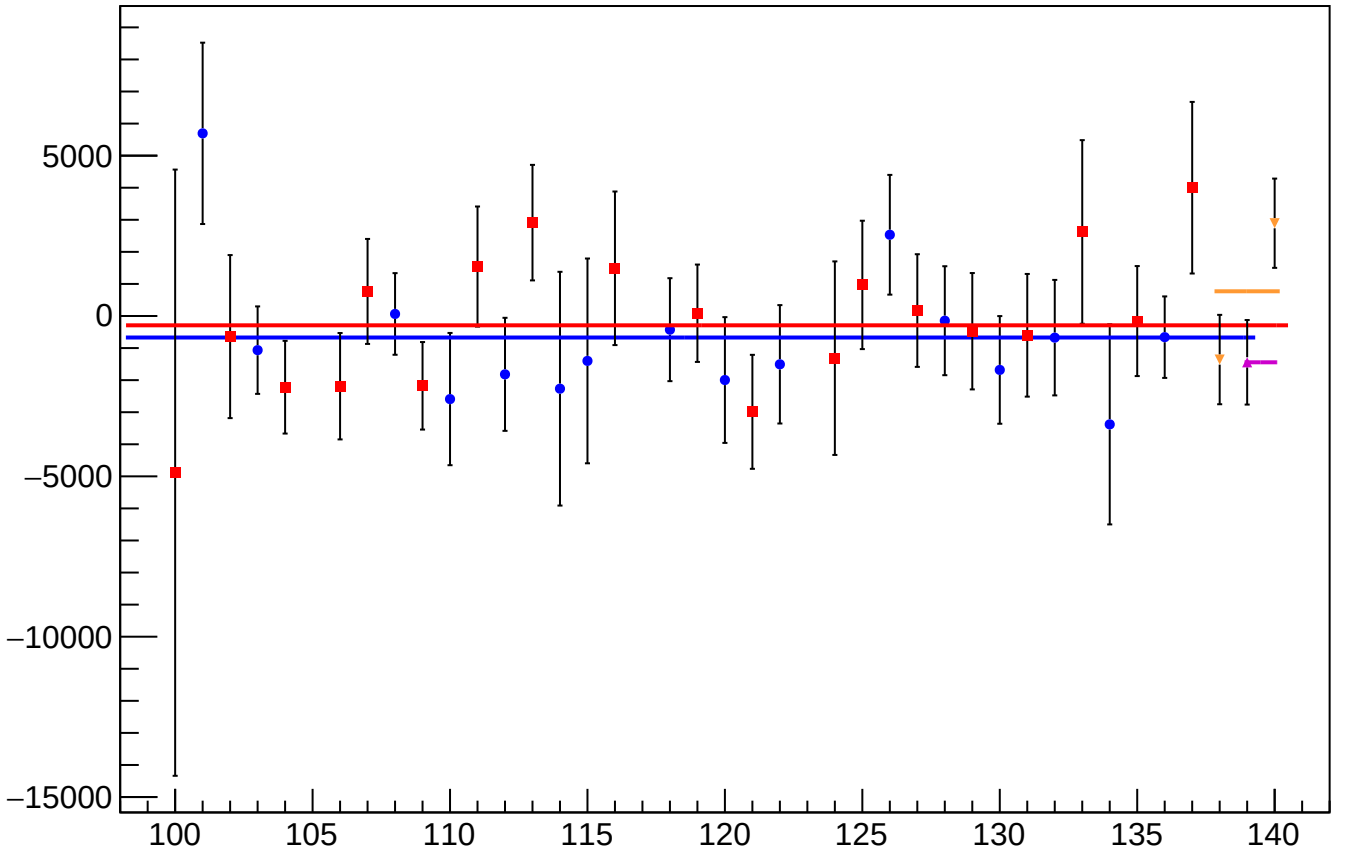
Left: 3535.185+/-1.605 χ^2/NDF: 40179.2/2

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3238.168+/-0.838 χ^2/NDF:1152079.1/16

Out: 2990.864+/-0.740 χ^2/NDF:1374198.8/20

All: 3099.226+/-0.555 χ^2/NDF: 2575192.2/37



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 770.502+/-984.727 χ^2/NDF:4.7/1

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -1443.796+/-1318.326 χ^2/NDF:0.0/0

Left: -22.497+/-788.934 χ^2/NDF: 6.5/2

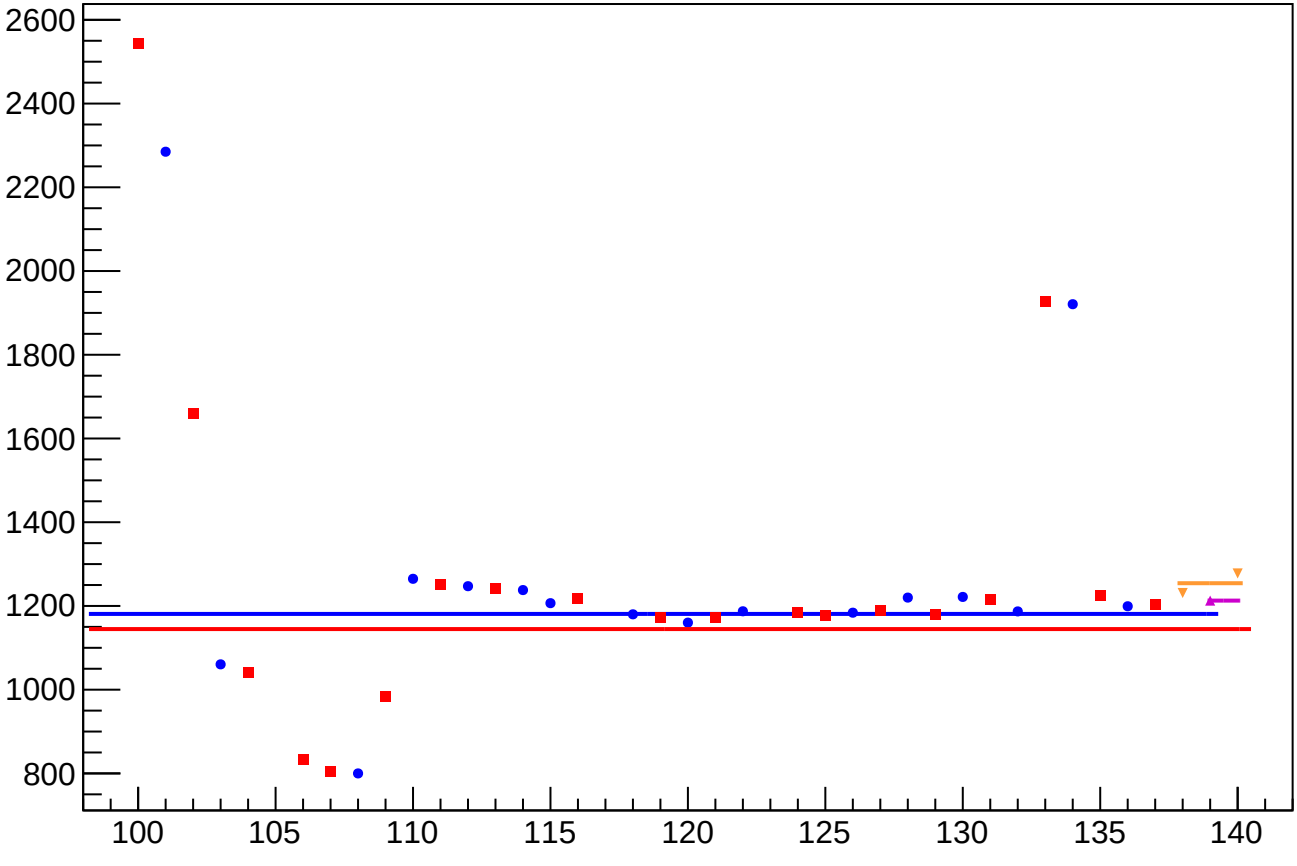
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -751.002+/-424.601 χ^2/NDF:12.2/16

Out: -117.487+/-397.465 χ^2/NDF:22.6/20

All: -413.355+/-290.170 χ^2/NDF: 35.9/37

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1254.321+/-0.696 χ^2/NDF:1125.7/1

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1212.766+/-0.932 χ^2/NDF:0.0/0

Left: 1239.439+/-0.558 χ^2/NDF: 2401.3/2

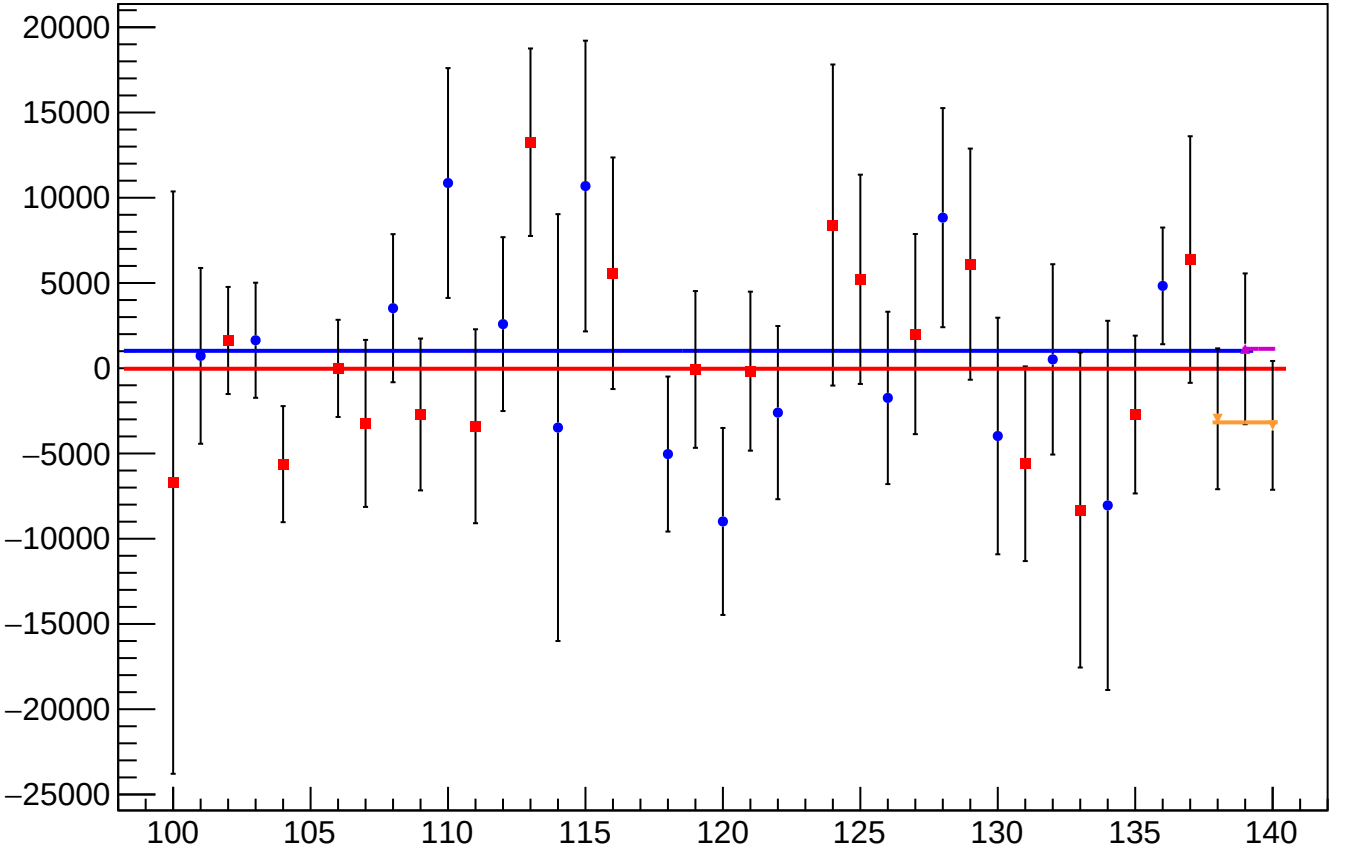
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1184.255+/-0.300 χ^2/NDF:622922.3/16

Out: 1162.610+/-0.281 χ^2/NDF:519577.5/20

All: 1172.715+/-0.205 χ^2/NDF: 1145270.9/37

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -3175.590+/-2787.541 χ^2/NDF:0.0/1

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: 1139.092+/-4422.836 χ^2/NDF:0.0/0

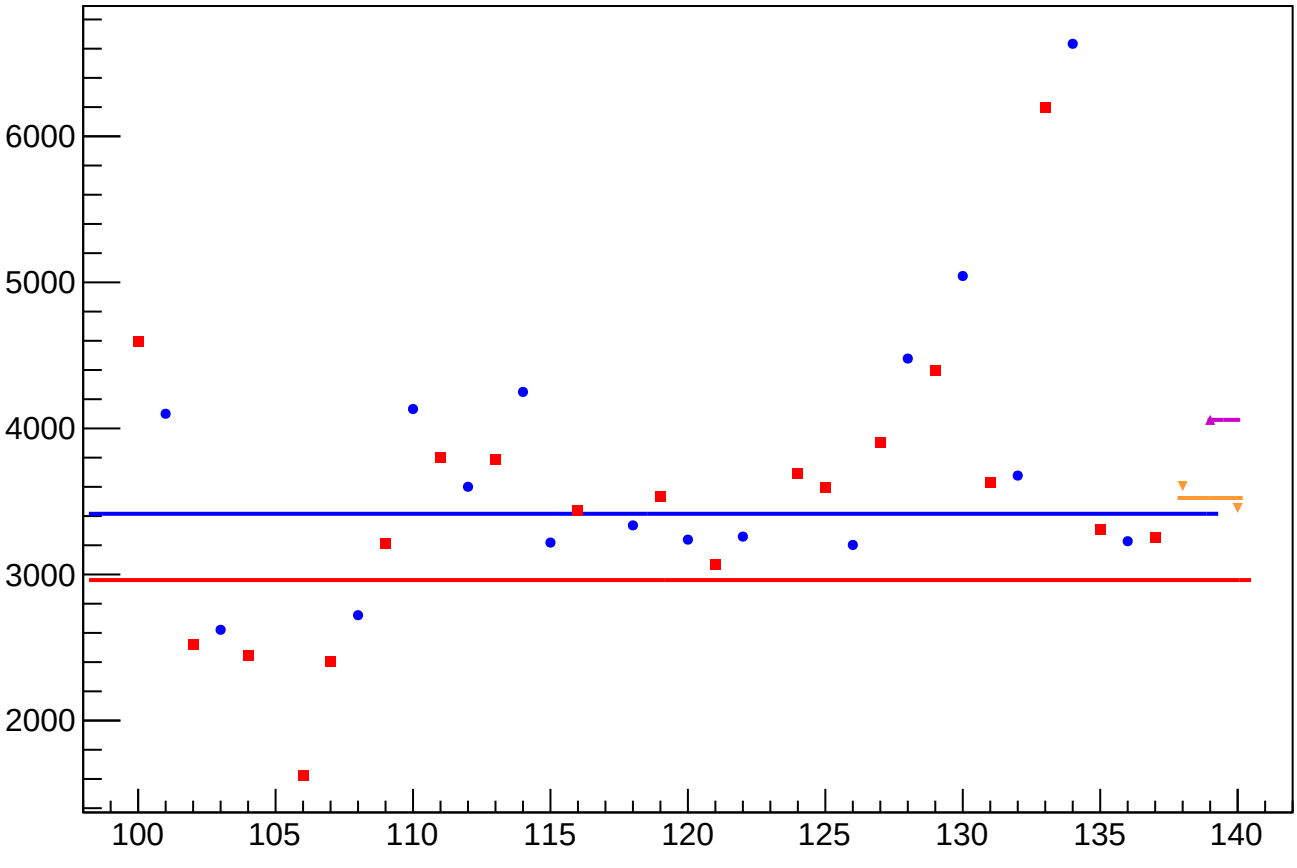
Left: -1948.936+/-2358.237 χ^2/NDF: 0.7/2

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 1030.467+/-1249.385 χ^2/NDF:13.9/16

Out: -474.574+/-1047.817 χ^2/NDF:17.2/20

All: 146.896+/-802.846 χ^2/NDF: 32.0/37



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3523.687+/-1.971 χ^2/NDF:1431.4/1

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 4058.692+/-3.127 χ^2/NDF:0.0/0

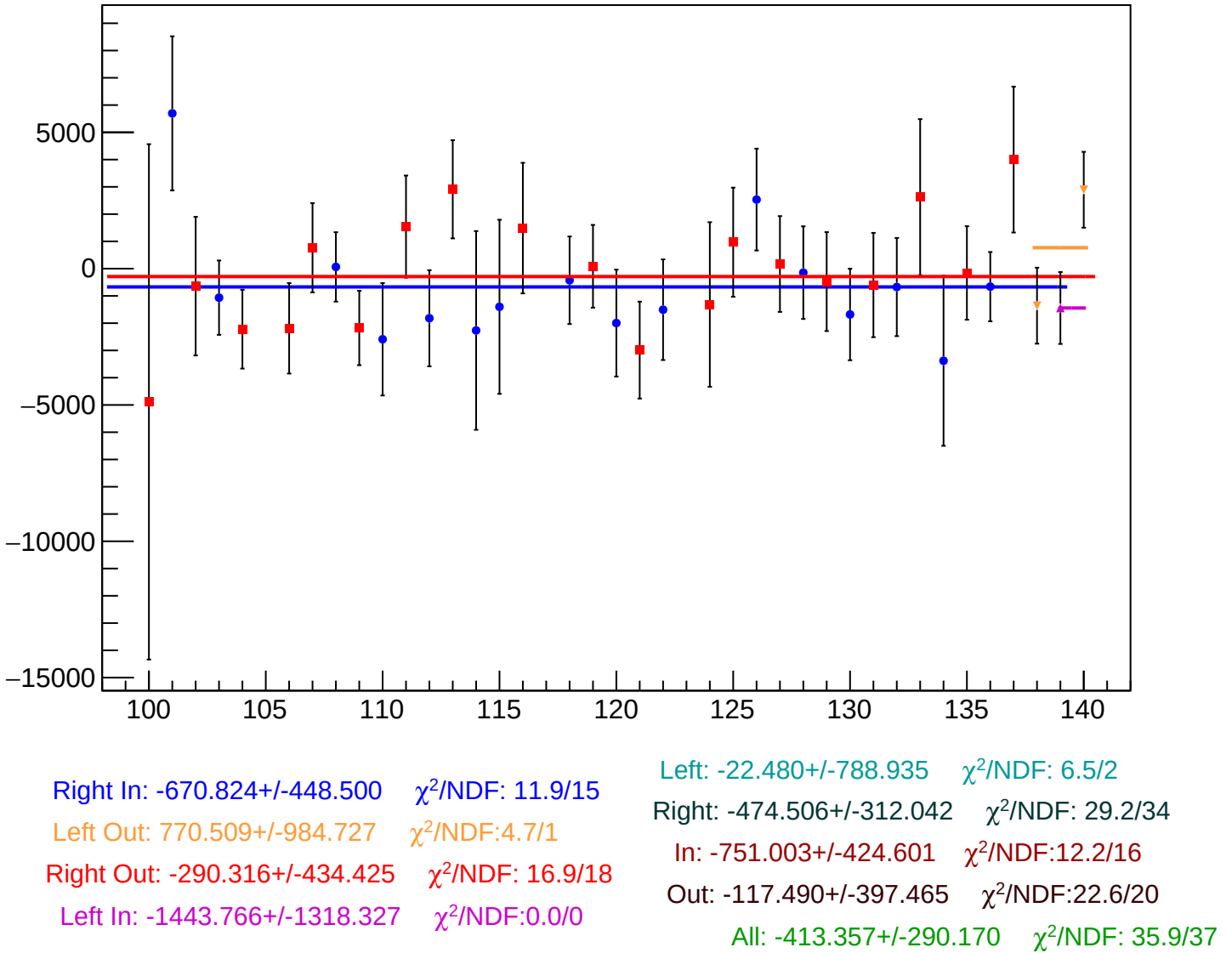
Left: 3675.788+/-1.668 χ^2/NDF: 22376.2/2

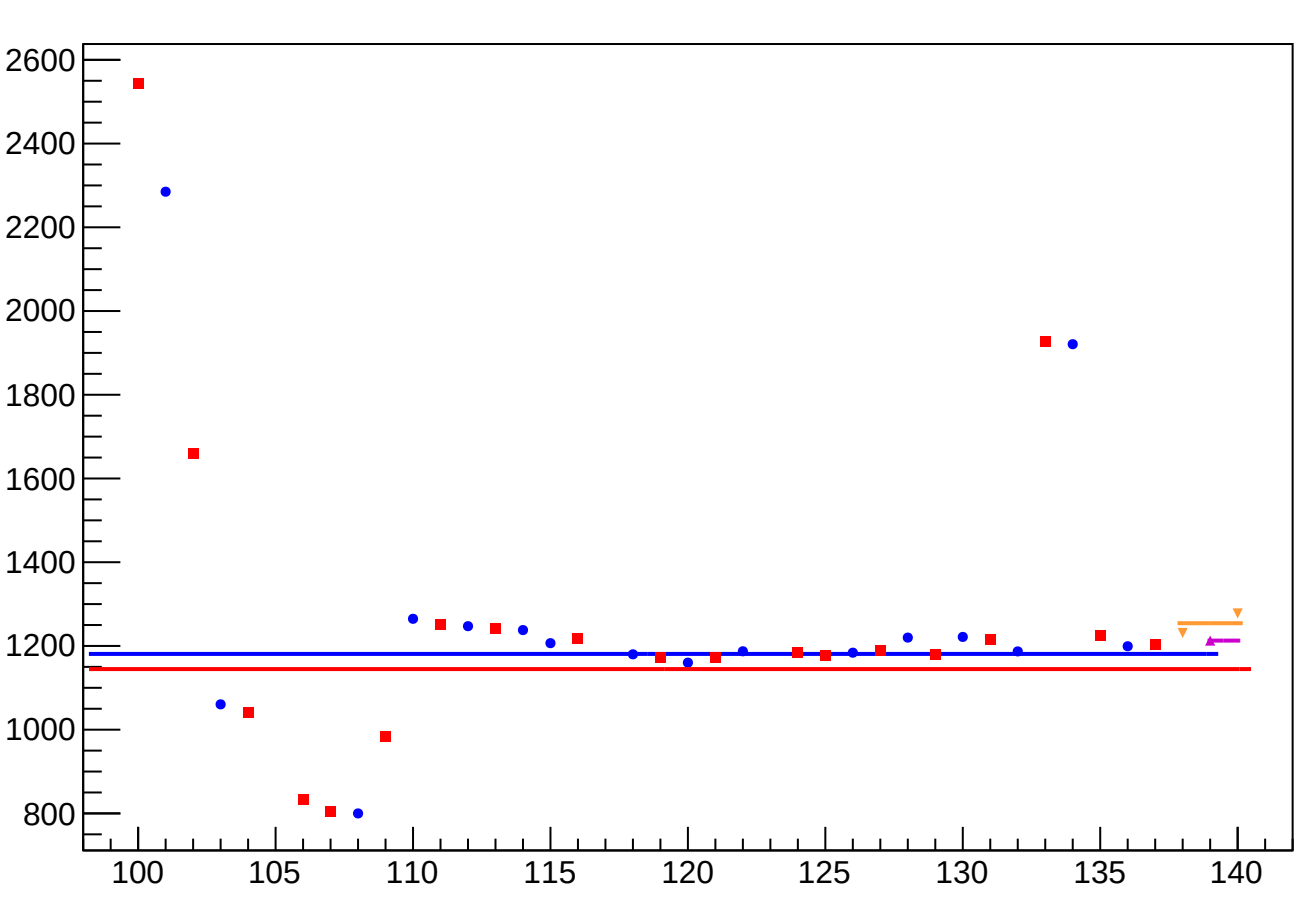
Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3466.912+/-0.883 χ^2/NDF:631254.3/16

Out: 3041.191+/-0.741 χ^2/NDF:1240469.0/20

All: 3216.982+/-0.568 χ^2/NDF: 2008050.5/37


eigen_dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
Right In: -670.824+/-448.500 χ²/NDF: 11.9/15
Left Out: 770.509+/-984.727 χ²/NDF:4.7/1
Right Out: -290.316+/-434.425 χ²/NDF: 16.9/18
Left In: -1443.766+/-1318.327 χ²/NDF:0.0/0
Left: -22.480+/-788.935 χ²/NDF: 6.5/2
Right: -474.506+/-312.042 χ²/NDF: 29.2/34
In: -751.003+/-424.601 χ²/NDF:12.2/16
Out: -117.490+/-397.465 χ²/NDF:22.6/20
All: -413.357+/-290.170 χ²/NDF: 35.9/37



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1254.321+/-0.696 χ^2/NDF:1125.7/1

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1212.767+/-0.932 χ^2/NDF:0.0/0

Left: 1239.440+/-0.558 χ^2/NDF: 2401.2/2

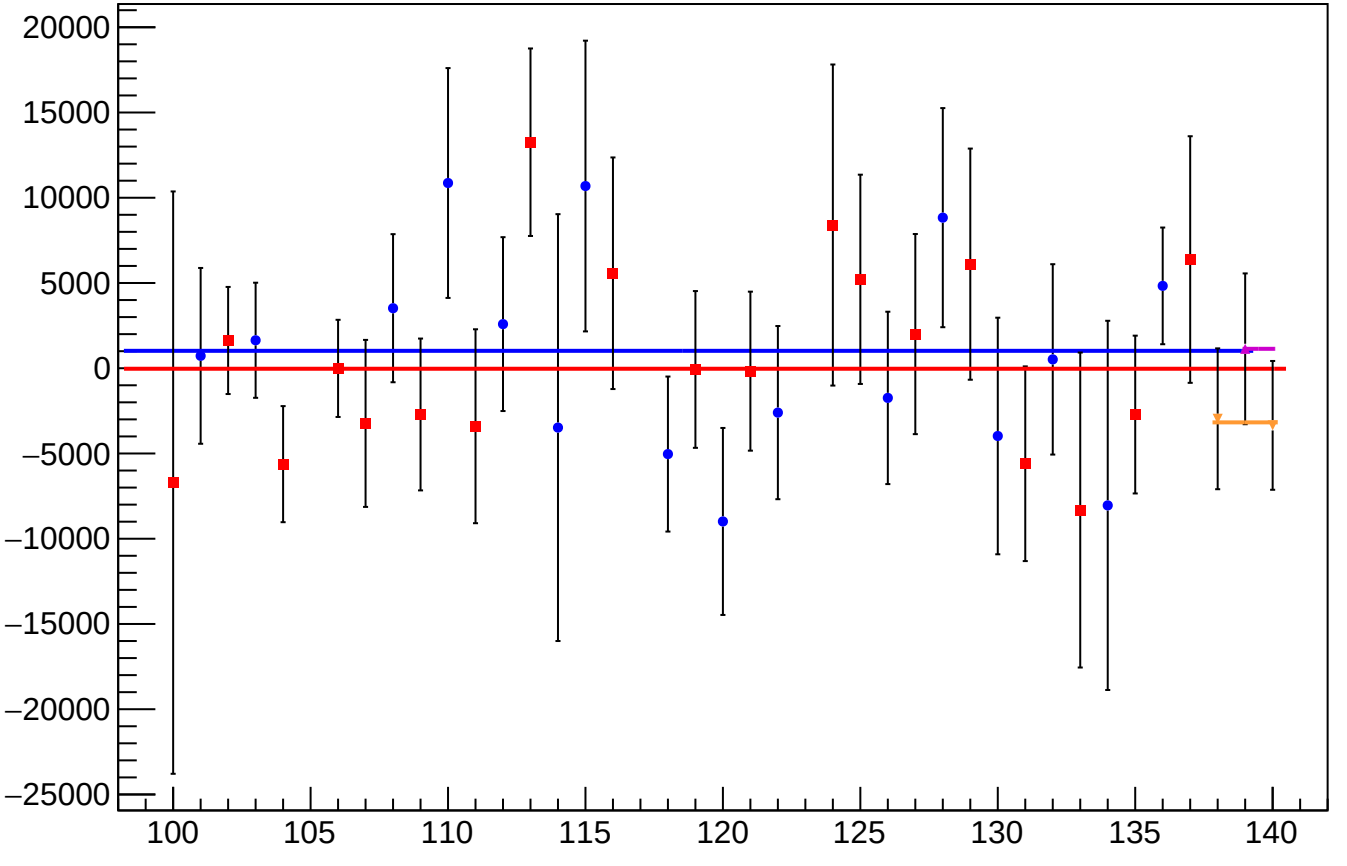
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1184.255+/-0.300 χ^2/NDF:622922.7/16

Out: 1162.610+/-0.281 χ^2/NDF:519577.0/20

All: 1172.715+/-0.205 χ^2/NDF: 1145270.7/37

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -3175.584+/-2787.542 χ^2/NDF:0.0/1

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 1139.135+/-4422.843 χ^2/NDF:0.0/0

Left: -1948.922+/-2358.239 χ^2/NDF: 0.7/2

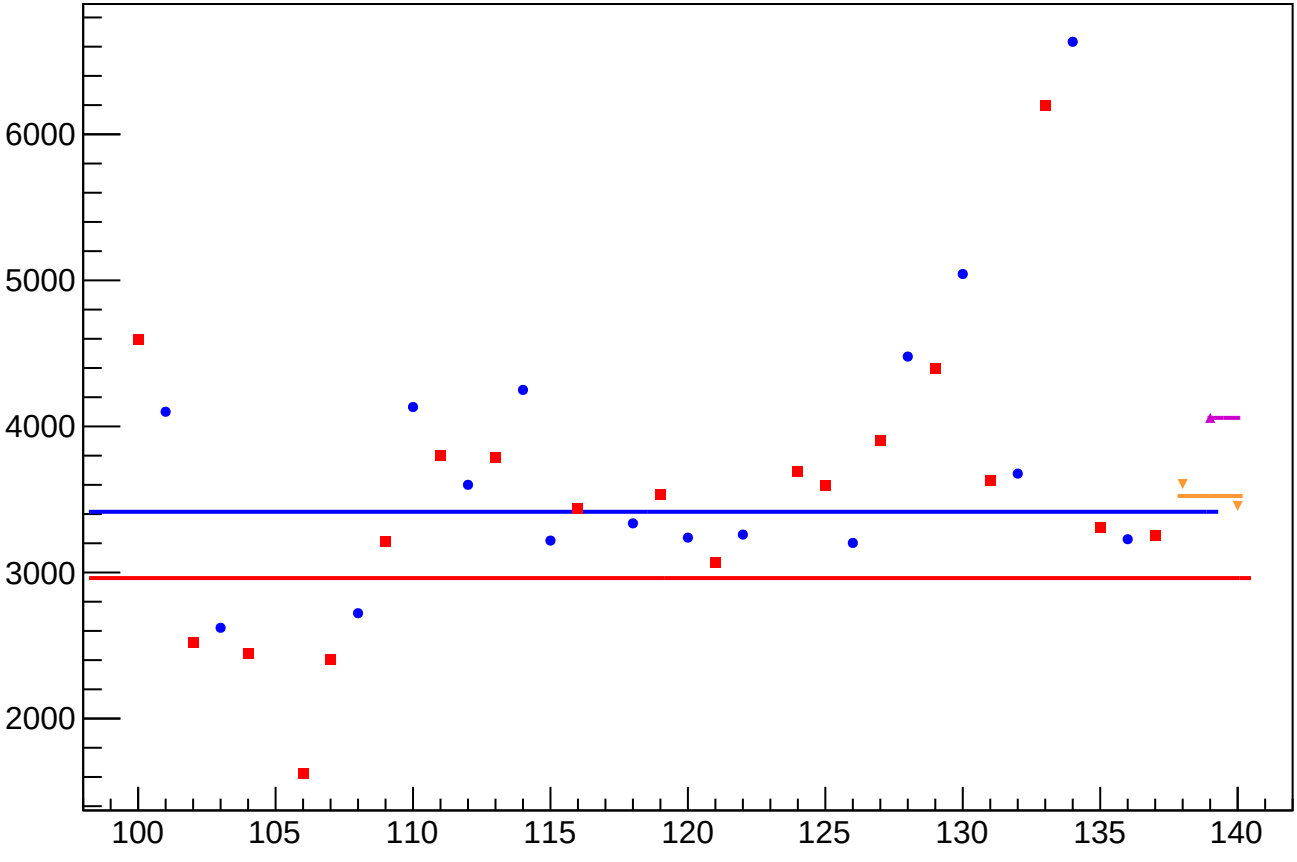
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 1030.454+/-1249.384 χ^2/NDF:13.9/16

Out: -474.577+/-1047.816 χ^2/NDF:17.2/20

All: 146.888+/-802.845 χ^2/NDF: 32.0/37

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3523.688+/-1.971 χ^2/NDF:1431.5/1

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 4058.698+/-3.127 χ^2/NDF:0.0/0

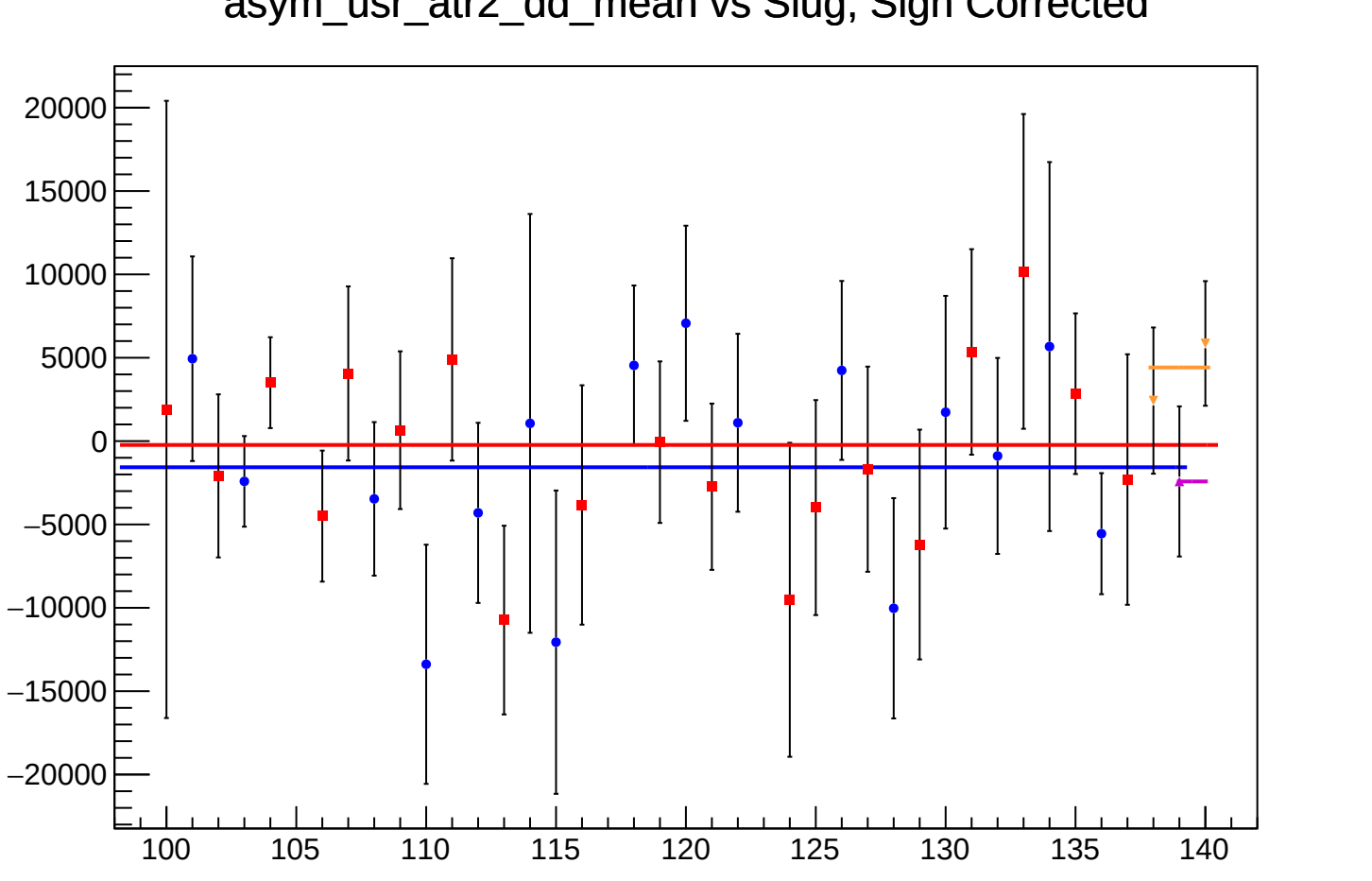
Left: 3675.790+/-1.668 χ^2/NDF: 22376.7/2

Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

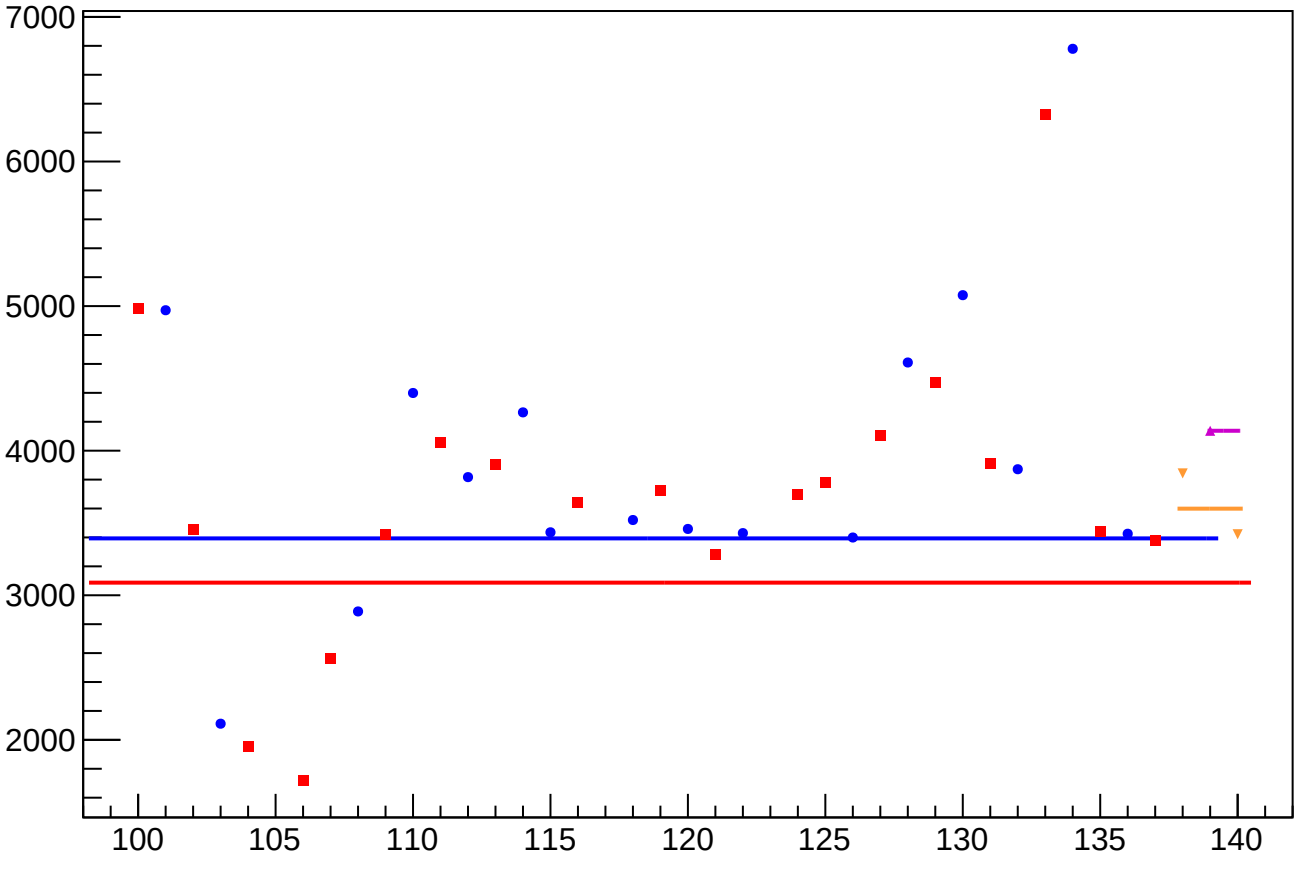
In: 3466.910+/-0.883 χ^2/NDF:631250.5/16

Out: 3041.186+/-0.741 χ^2/NDF:1240470.1/20

All: 3216.978+/-0.568 χ^2/NDF: 2008048.9/37


asym_usr_atr2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
105
110
115
120
125
130
135
140
Right In: -1569.809+/-1312.937 χ²/NDF: 14.5/15
Left Out: 4415.657+/-2844.206 χ²/NDF:0.4/1
Right Out: -231.125+/-1224.318 χ²/NDF: 13.2/18
Left In: -2419.540+/-4502.629 χ²/NDF:0.0/0
Left: 2466.179+/-2404.639 χ²/NDF: 2.0/2
Right: -853.767+/-895.415 χ²/NDF: 28.2/34
In: -1636.397+/-1260.444 χ²/NDF:14.5/16
Out: 495.301+/-1124.555 χ²/NDF:15.8/20
All: -449.484+/-839.126 χ²/NDF: 31.9/37

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3599.036+/-2.011 χ^2/NDF:10671.5/1

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 4137.735+/-3.184 χ^2/NDF:0.0/0

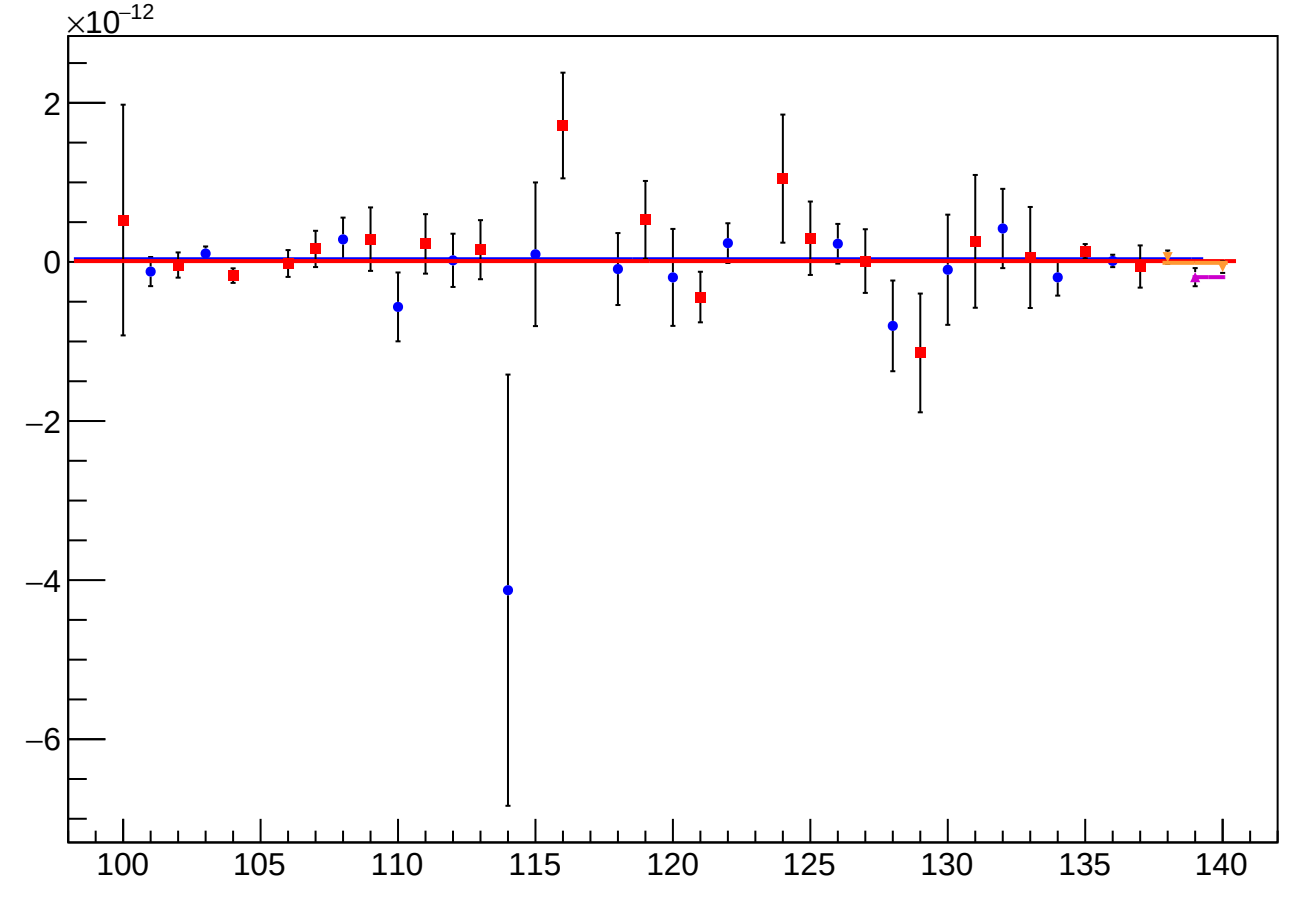
Left: 3752.679+/-1.700 χ^2/NDF: 31134.4/2

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3451.697+/-0.891 χ^2/NDF:1099084.9/16

Out: 3165.051+/-0.784 χ^2/NDF:1393933.8/20

All: 3290.077+/-0.589 χ^2/NDF: 2551339.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

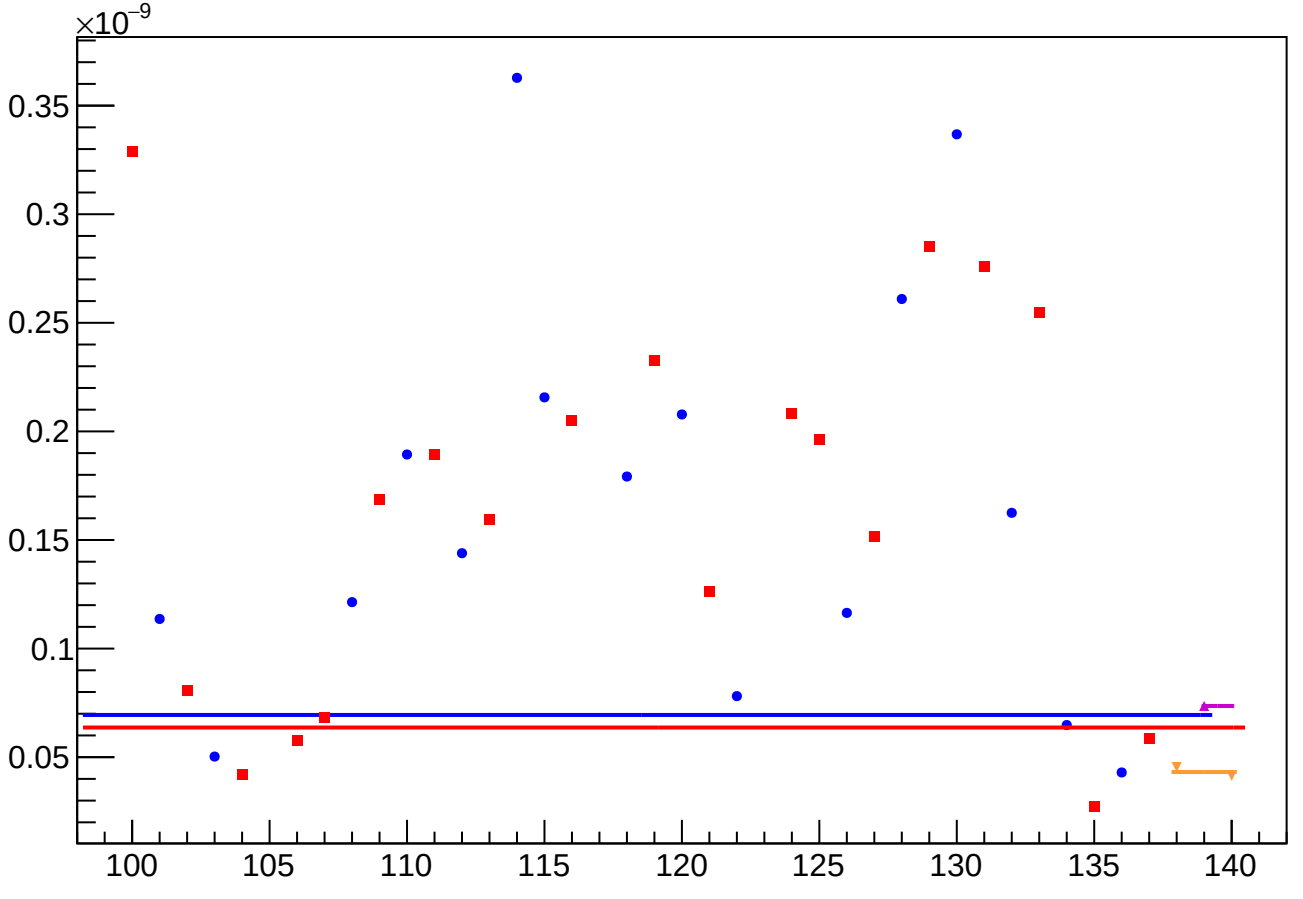
Left: -0.000+/-0.000 χ^2/NDF: 3.3/2

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:15.1/16

Out: 0.000+/-0.000 χ^2/NDF:23.2/20

All: -0.000+/-0.000 χ^2/NDF: 38.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2615.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

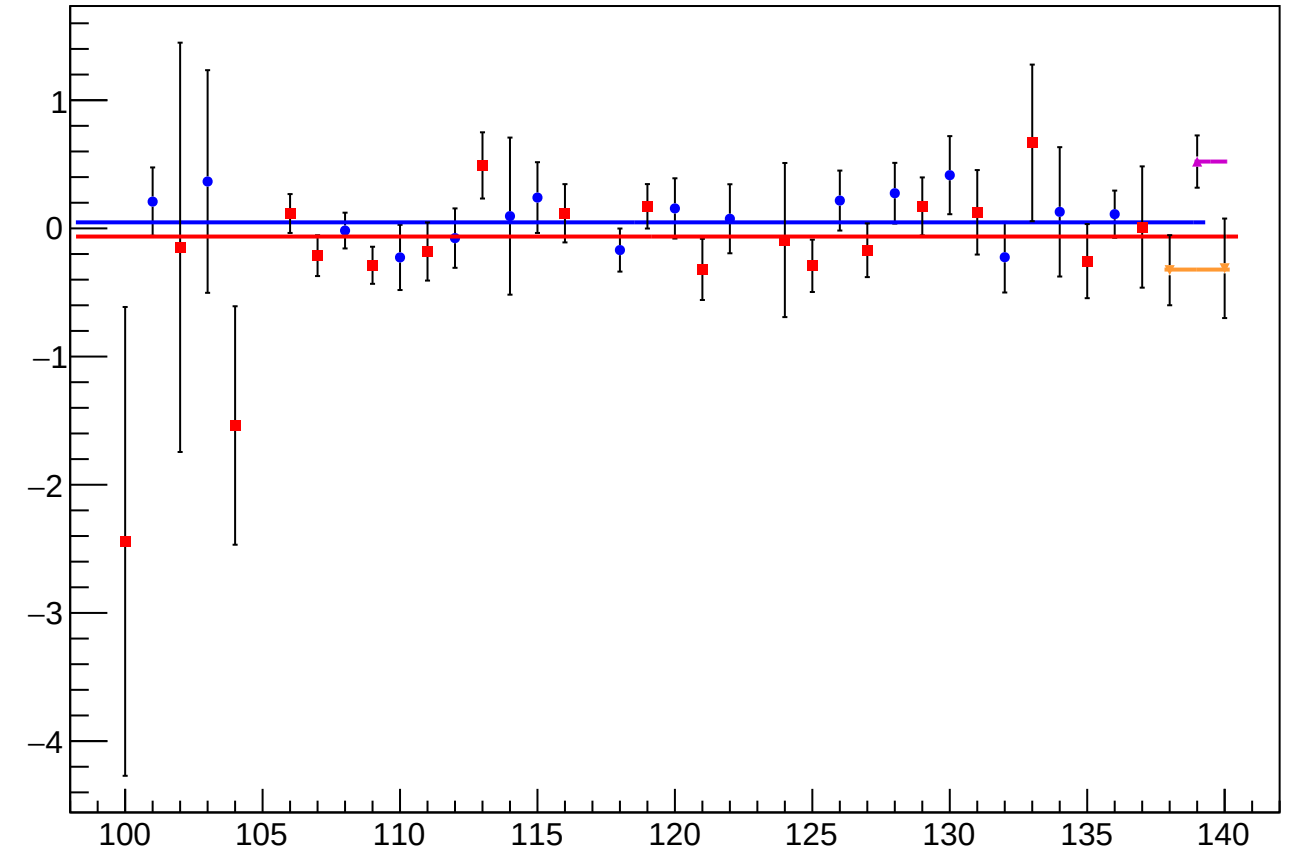
Left: 0.000+/-0.000 χ^2/NDF: 117985.7/2

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:1731688.3/16

Out: 0.000+/-0.000 χ^2/NDF:2406073.7/20

All: 0.000+/-0.000 χ^2/NDF: 4281816.4/37



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.321+/-0.224 χ^2/NDF:0.0/1

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.521+/-0.204 χ^2/NDF:0.0/0

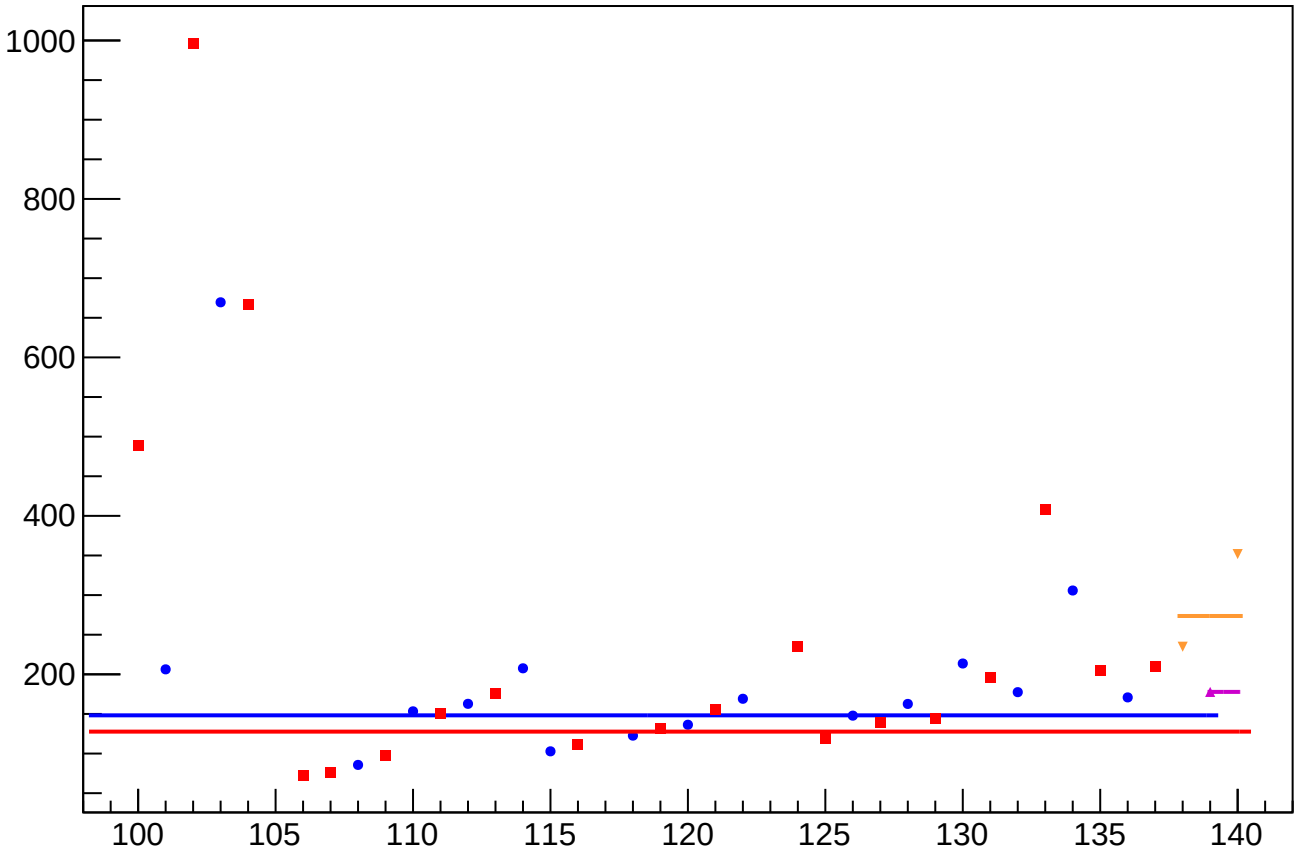
Left: 0.139+/-0.151 χ^2/NDF: 7.8/2

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.085+/-0.058 χ^2/NDF:13.5/16

Out: -0.078+/-0.053 χ^2/NDF:23.5/20

All: -0.003+/-0.039 χ^2/NDF: 41.4/37



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 273.625+/-0.158 χ^2/NDF:121273.7/1

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 177.818+/-0.144 χ^2/NDF:0.0/0

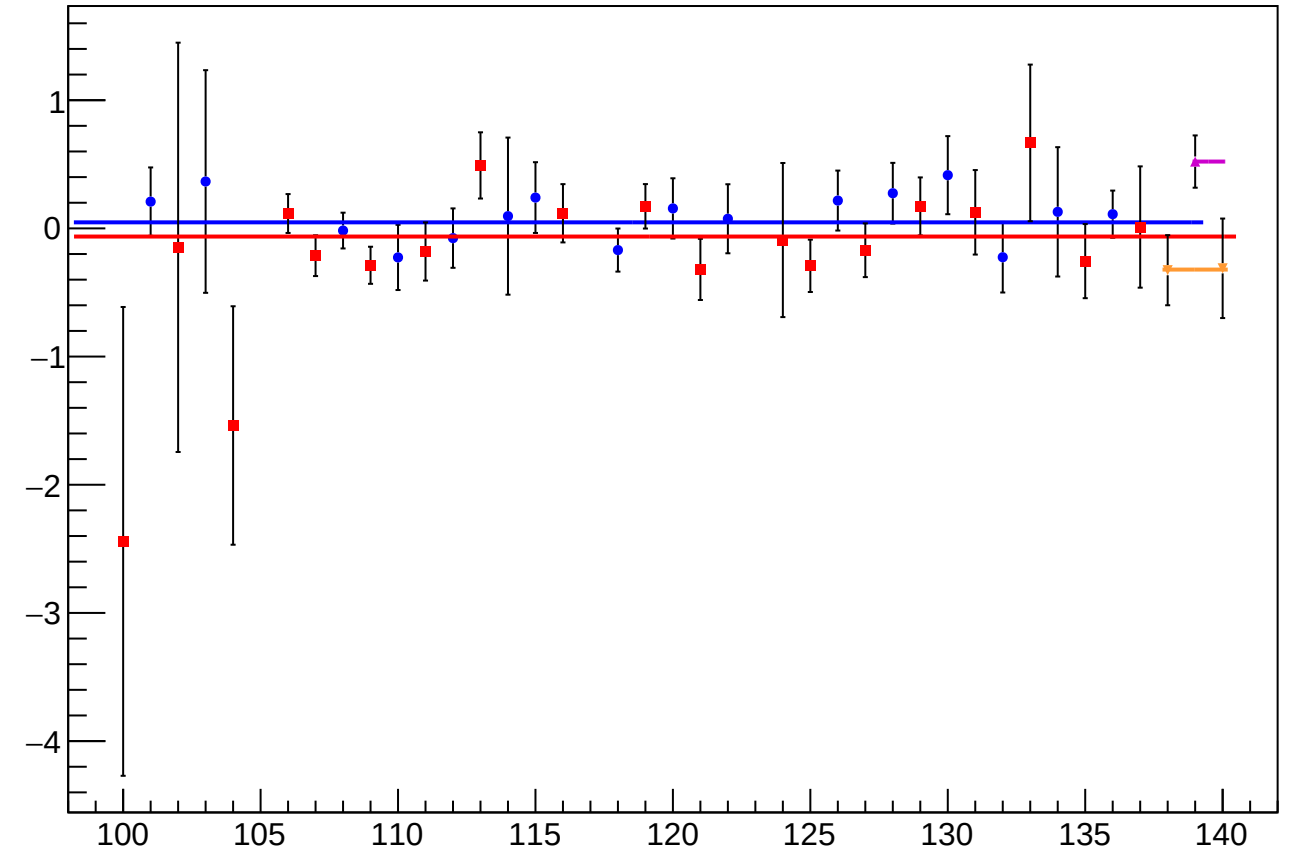
Left: 221.331+/-0.107 χ^2/NDF: 321732.8/2

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 150.599+/-0.041 χ^2/NDF:1748749.2/16

Out: 135.918+/-0.038 χ^2/NDF:3767152.8/20

All: 142.665+/-0.028 χ^2/NDF: 5586146.9/37



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.321+/-0.224 χ^2/NDF:0.0/1

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.521+/-0.204 χ^2/NDF:0.0/0

Left: 0.139+/-0.151 χ^2/NDF: 7.8/2

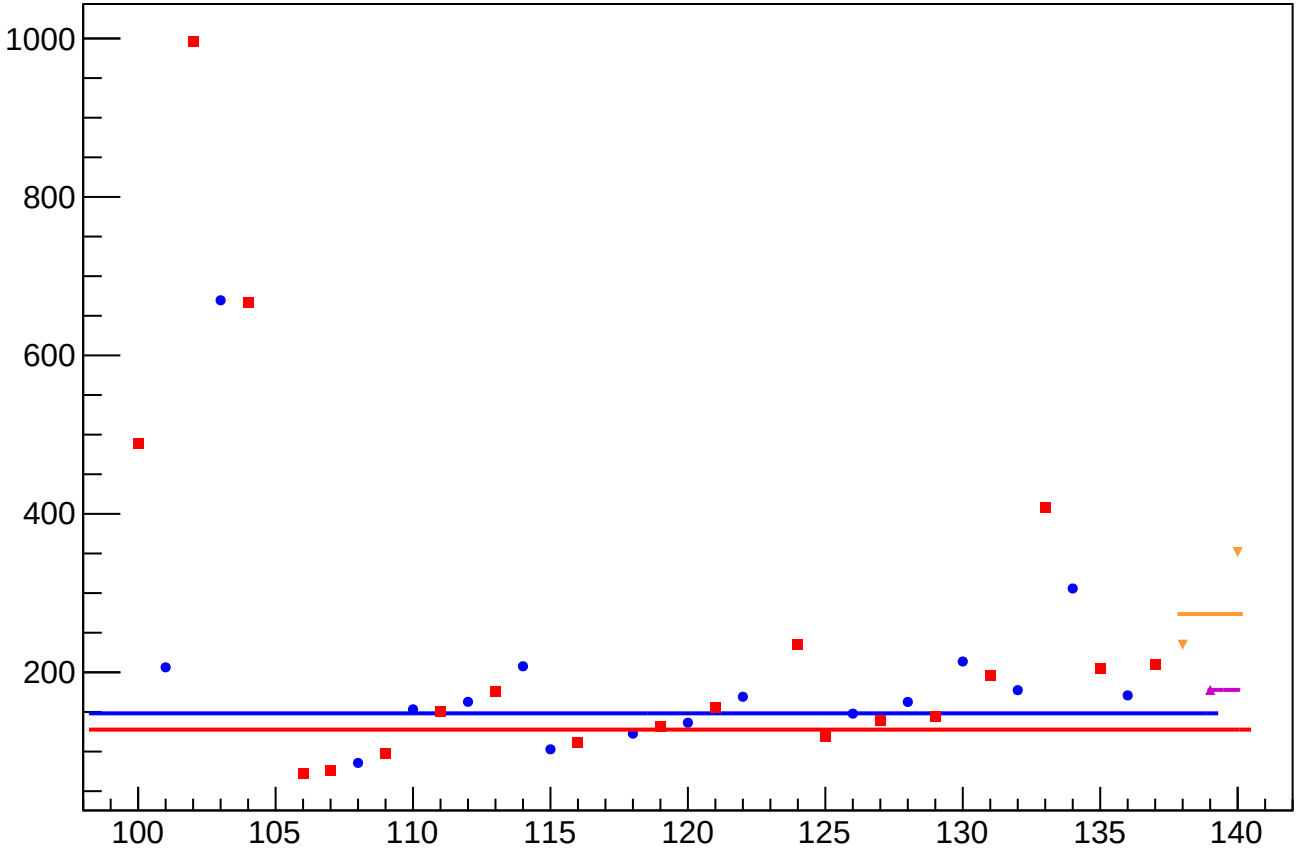
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.085+/-0.058 χ^2/NDF:13.5/16

Out: -0.078+/-0.053 χ^2/NDF:23.5/20

All: -0.003+/-0.039 χ^2/NDF: 41.4/37

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 273.625+/-0.158 χ^2/NDF:121273.7/1

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 177.818+/-0.144 χ^2/NDF:0.0/0

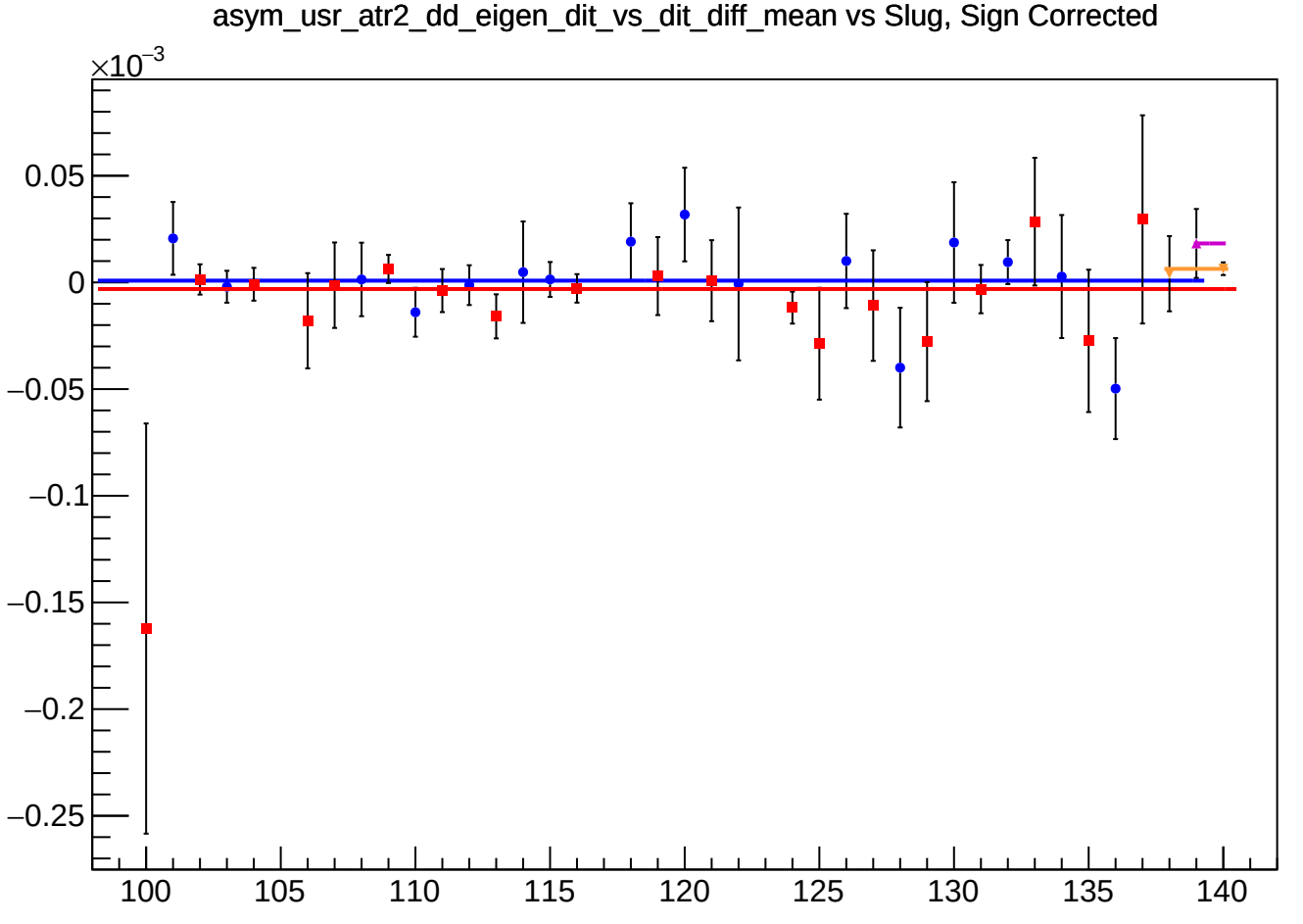
Left: 221.331+/-0.107 χ^2/NDF: 321732.8/2

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 150.599+/-0.041 χ^2/NDF:1748749.2/16

Out: 135.918+/-0.038 χ^2/NDF:3767152.8/20

All: 142.665+/-0.028 χ^2/NDF: 5586146.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

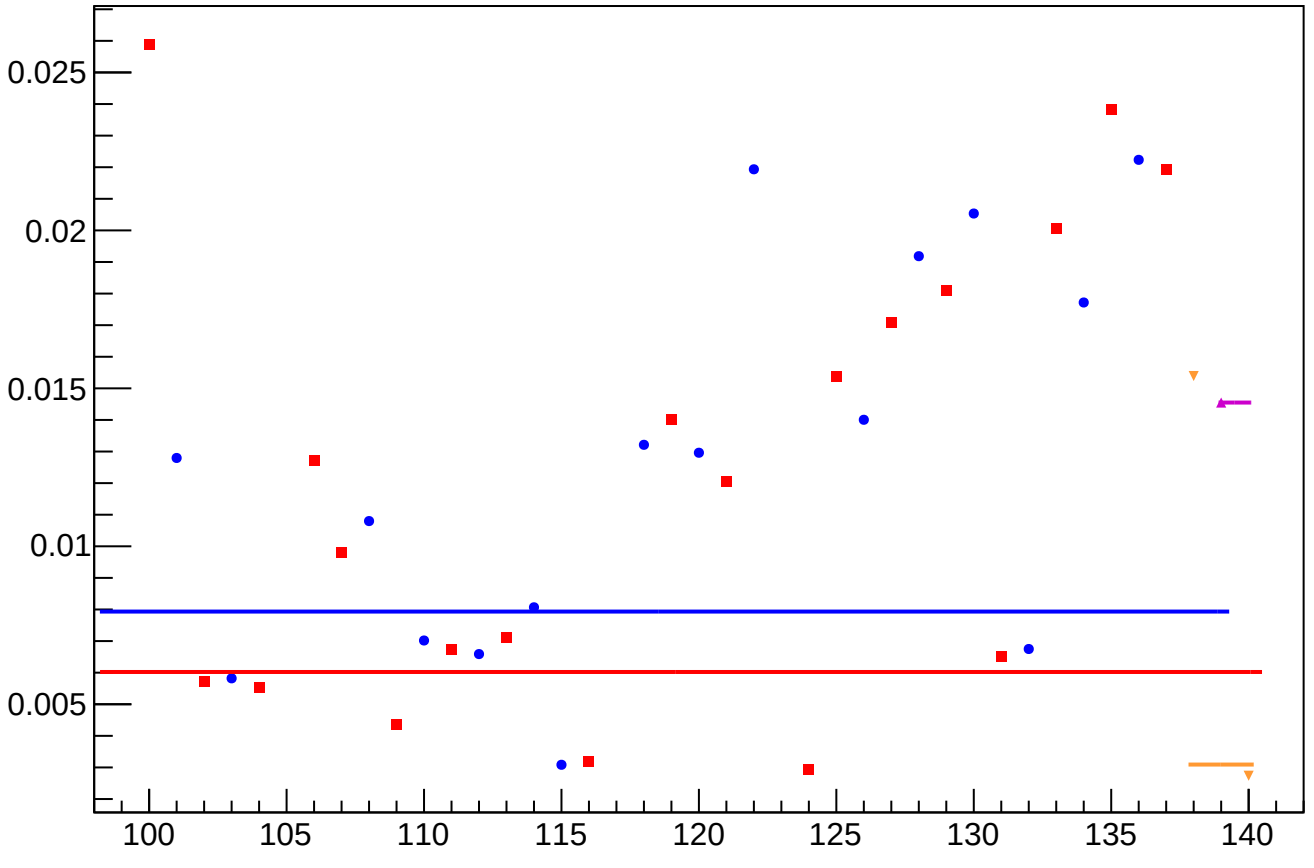
Left: 0.000+/-0.000 χ^2/NDF: 0.5/2

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:15.4/16

Out: 0.000+/-0.000 χ^2/NDF:18.4/20

All: 0.000+/-0.000 χ^2/NDF: 33.8/37



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.003+/-0.000 χ^2/NDF:1001805.8/1

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.015+/-0.000 χ^2/NDF:0.0/0

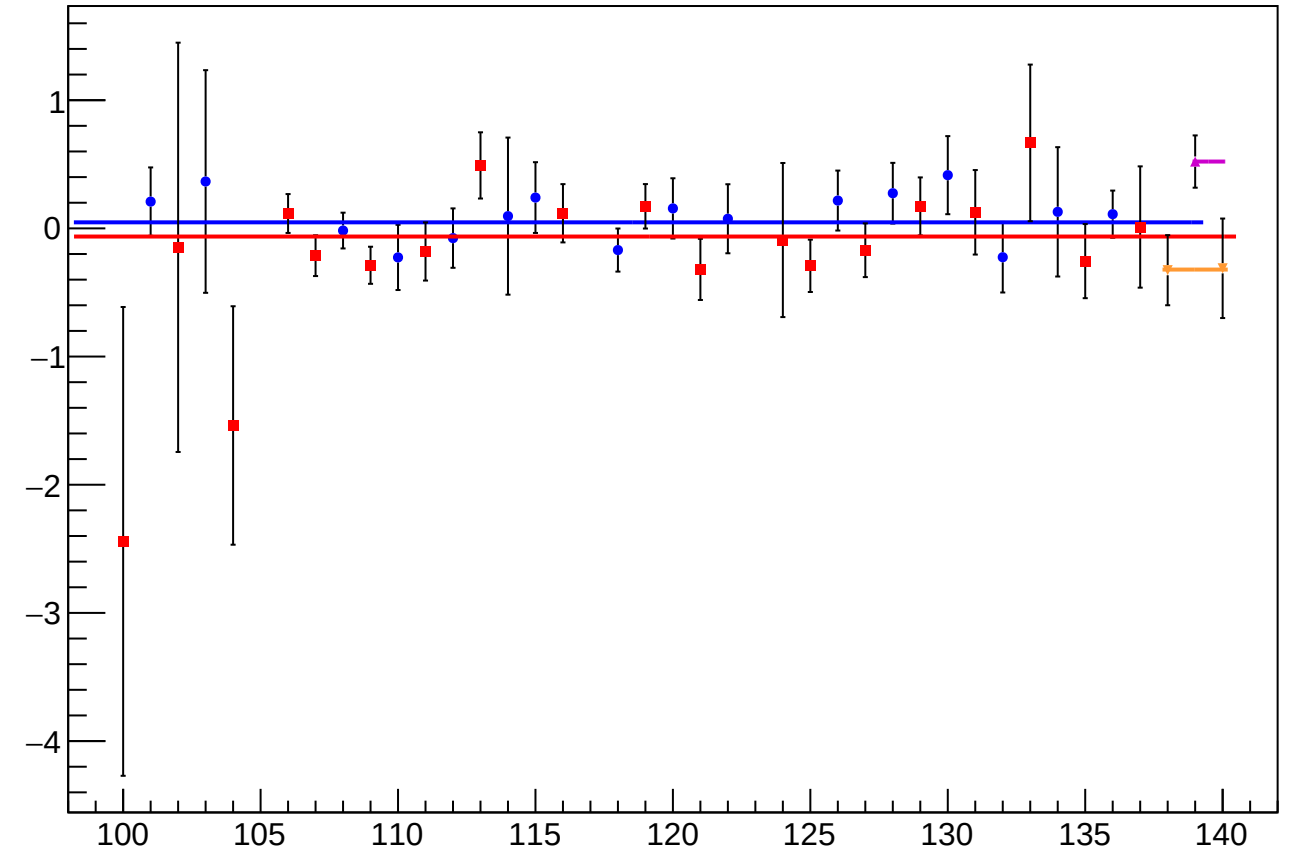
Left: 0.003+/-0.000 χ^2/NDF: 1974974.7/2

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.008+/-0.000 χ^2/NDF:3898178.1/16

Out: 0.005+/-0.000 χ^2/NDF:6110781.4/20

All: 0.006+/-0.000 χ^2/NDF: 11612991.7/37



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.321+/-0.224 χ^2/NDF:0.0/1

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.521+/-0.204 χ^2/NDF:0.0/0

Left: 0.139+/-0.151 χ^2/NDF: 7.8/2

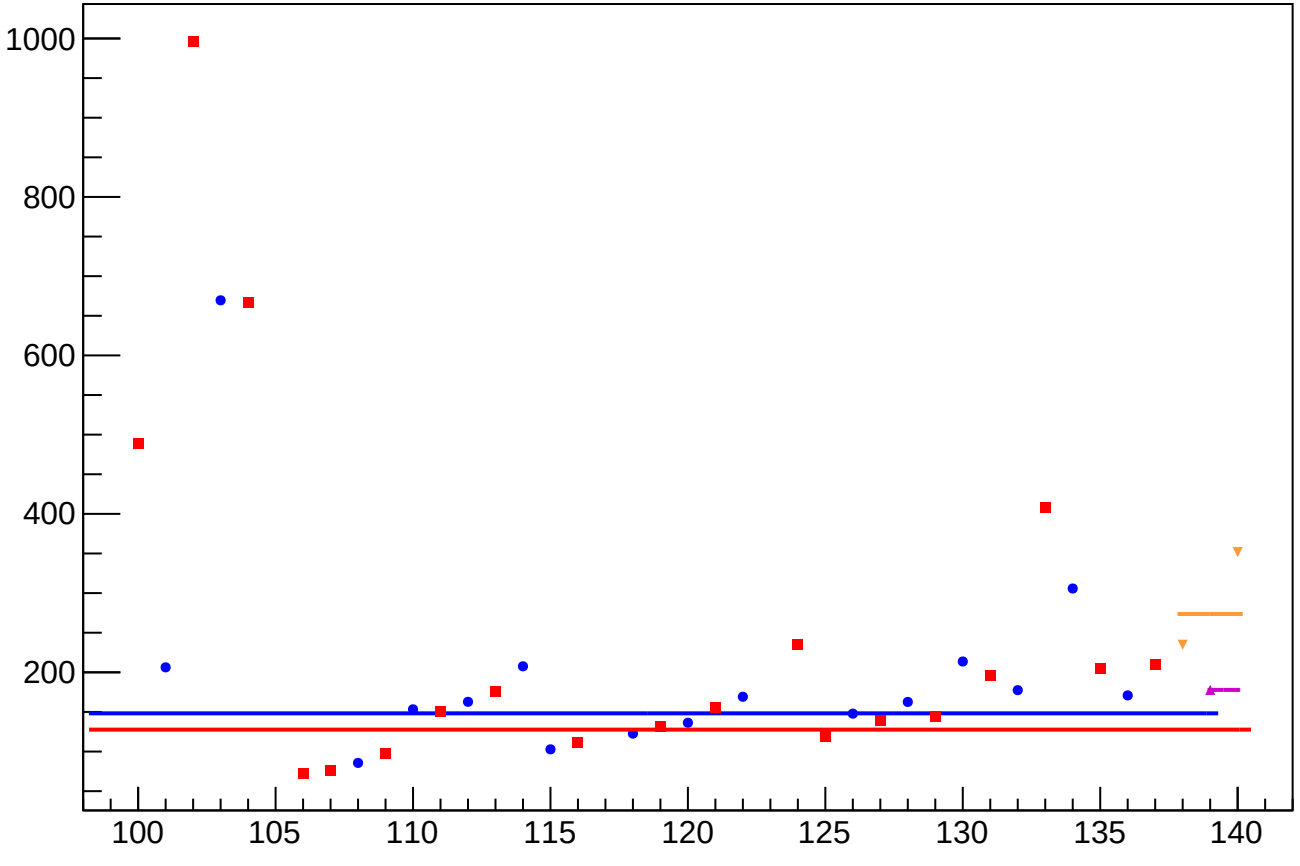
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.085+/-0.058 χ^2/NDF:13.5/16

Out: -0.078+/-0.053 χ^2/NDF:23.5/20

All: -0.003+/-0.039 χ^2/NDF: 41.4/37

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 273.629+/-0.158 χ^2/NDF:121259.0/1

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 177.821+/-0.144 χ^2/NDF:0.0/0

Left: 221.335+/-0.107 χ^2/NDF: 321717.0/2

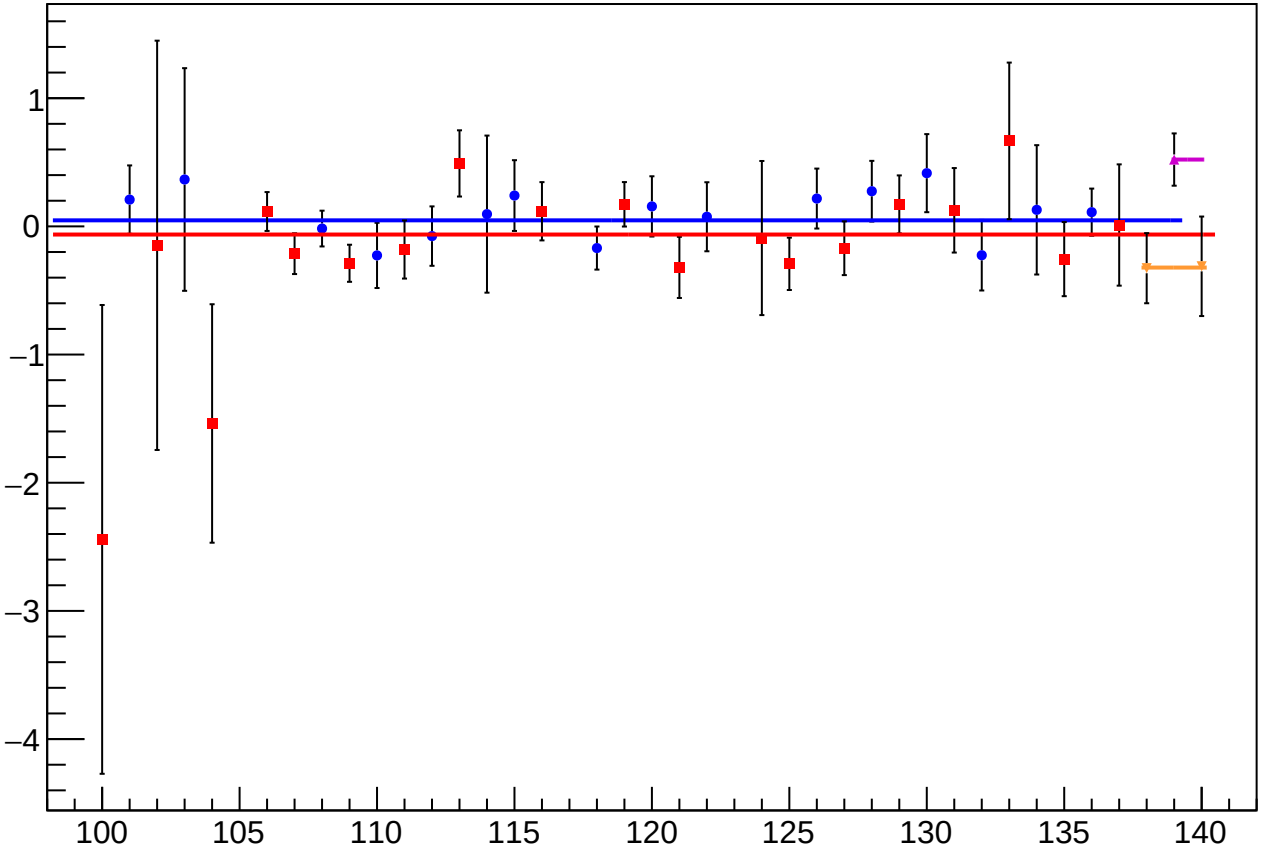
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 150.596+/-0.041 χ^2/NDF:1748840.6/16

Out: 135.918+/-0.038 χ^2/NDF:3767154.4/20

All: 142.664+/-0.028 χ^2/NDF: 5586219.0/37

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.321+/-0.224 χ^2/NDF:0.0/1

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.521+/-0.204 χ^2/NDF:0.0/0

Left: 0.139+/-0.151 χ^2/NDF: 7.8/2

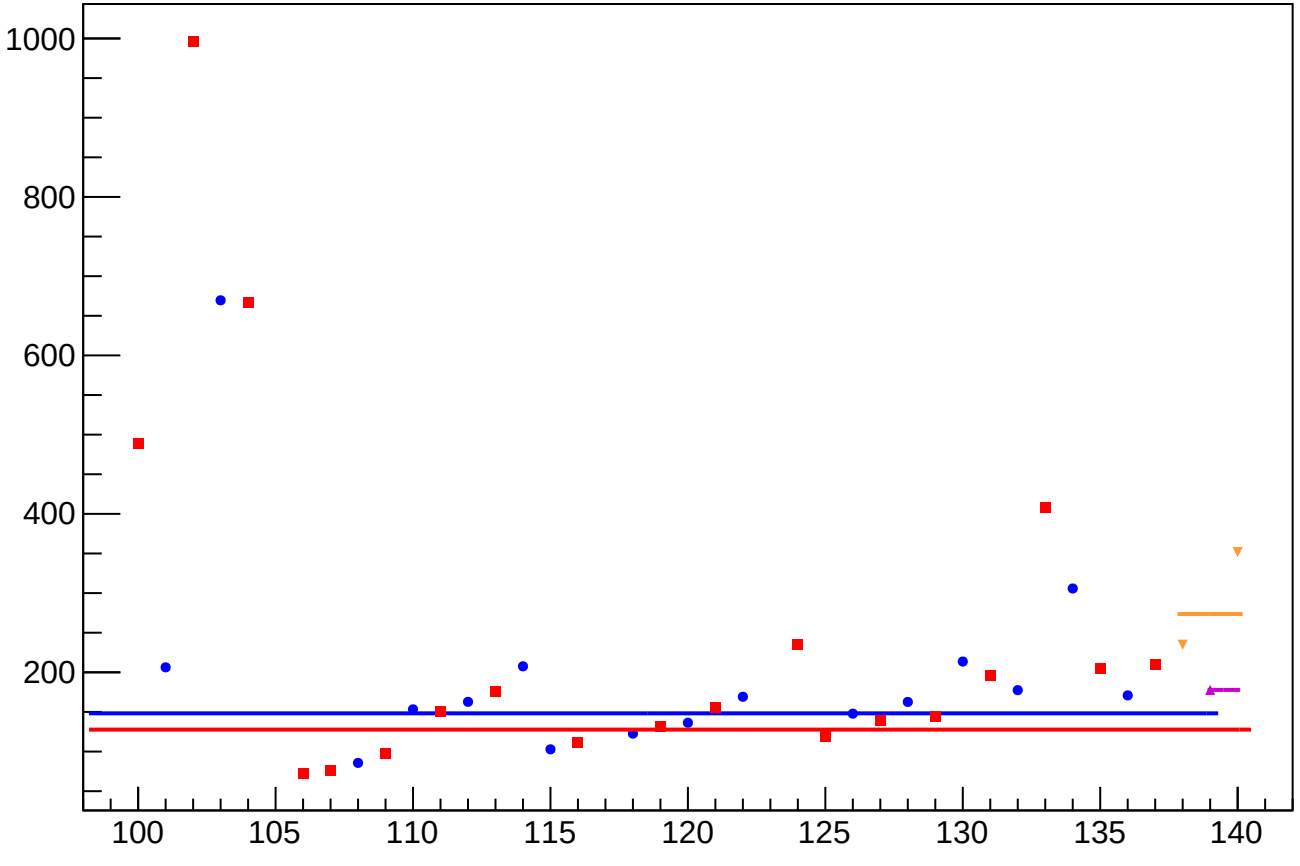
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.085+/-0.058 χ^2/NDF:13.5/16

Out: -0.078+/-0.053 χ^2/NDF:23.5/20

All: -0.003+/-0.039 χ^2/NDF: 41.4/37

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 273.629+/-0.158 χ^2/NDF:121259.0/1

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 177.821+/-0.144 χ^2/NDF:0.0/0

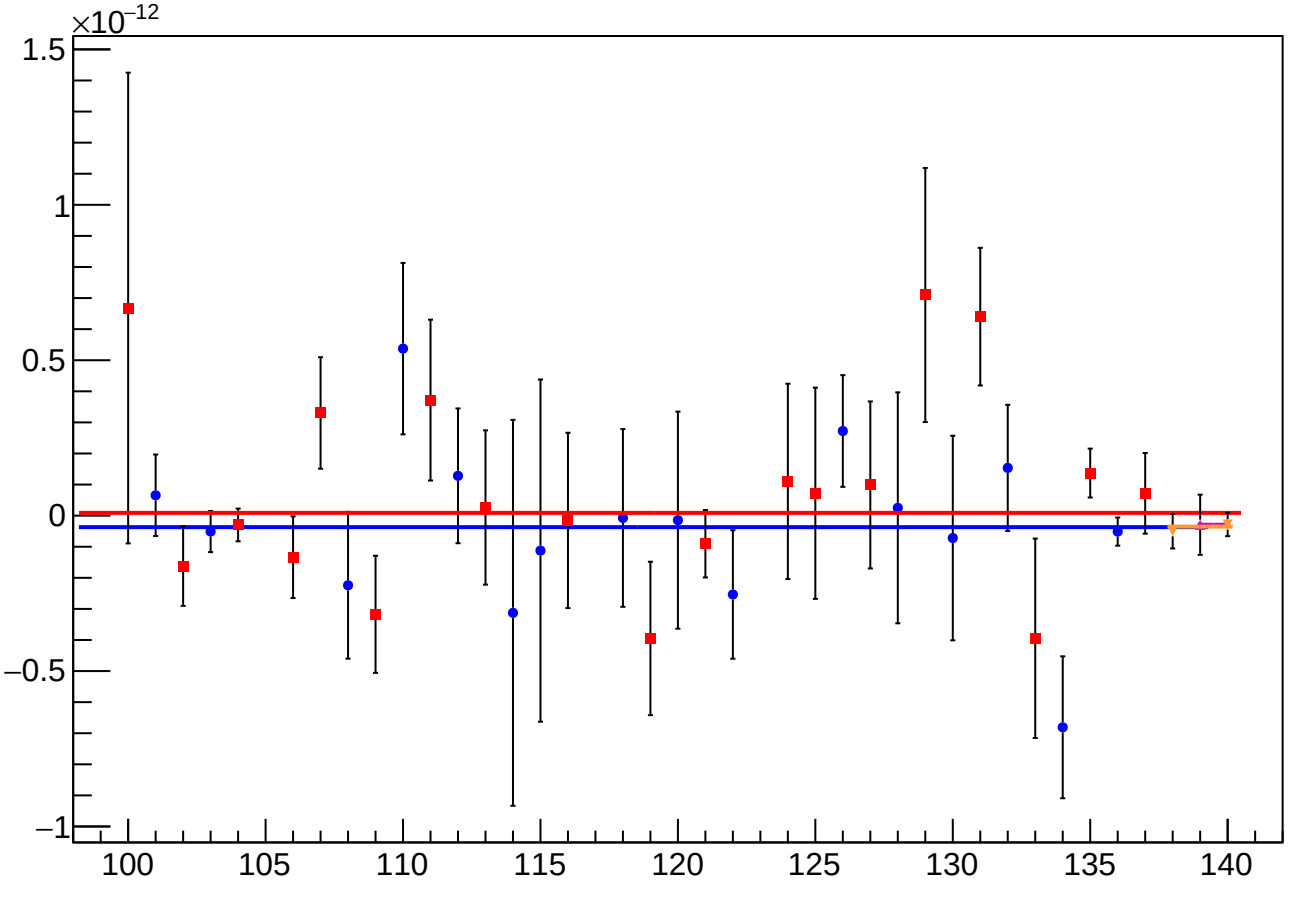
Left: 221.335+/-0.107 χ^2/NDF: 321717.0/2

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 150.596+/-0.041 χ^2/NDF:1748840.6/16

Out: 135.918+/-0.038 χ^2/NDF:3767154.4/20

All: 142.664+/-0.028 χ^2/NDF: 5586219.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

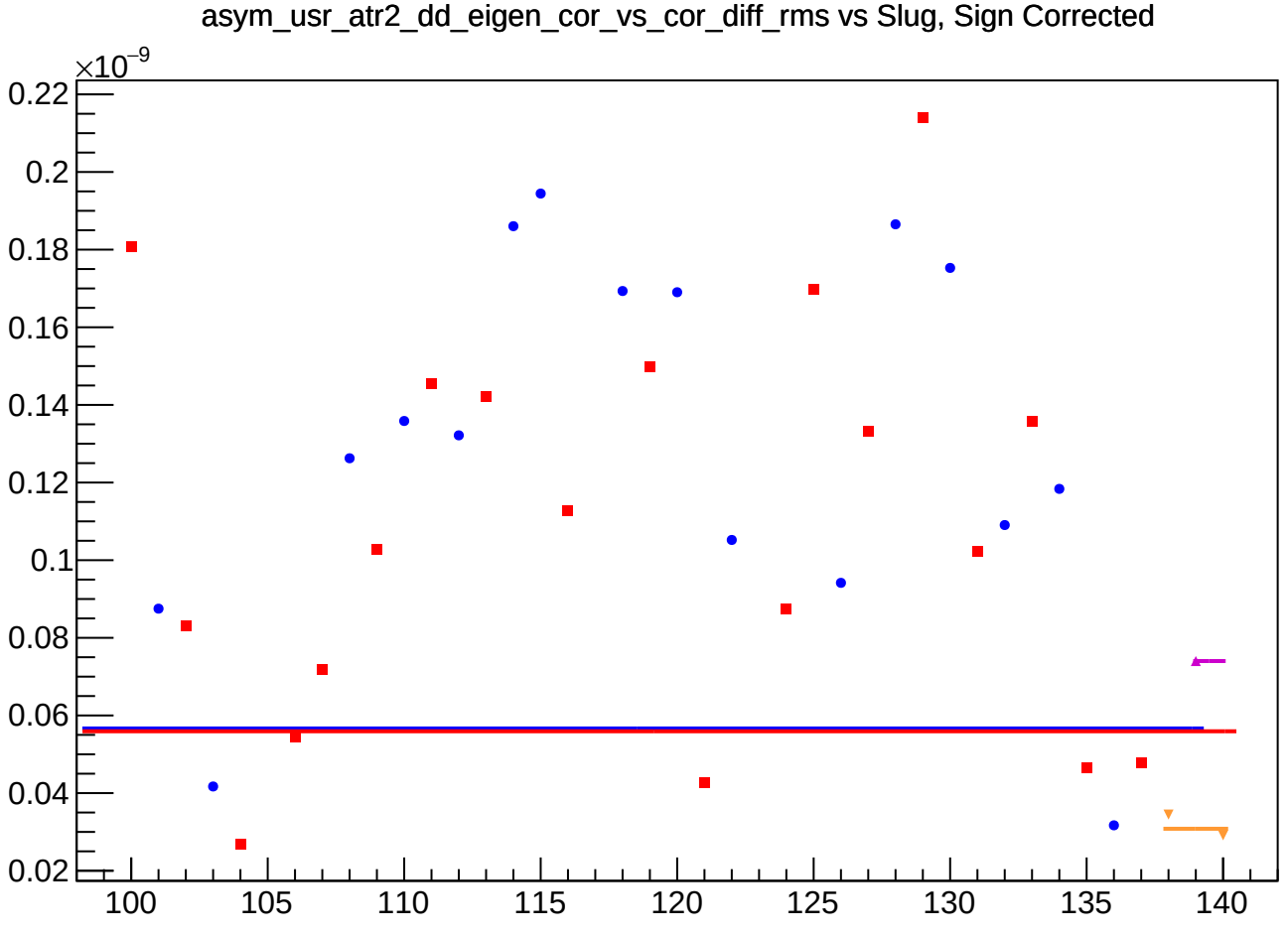
Left: -0.000+/-0.000 χ^2/NDF: 0.1/2

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: -0.000+/-0.000 χ^2/NDF:19.5/16

Out: -0.000+/-0.000 χ^2/NDF:32.9/20

All: -0.000+/-0.000 χ^2/NDF: 52.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12795.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

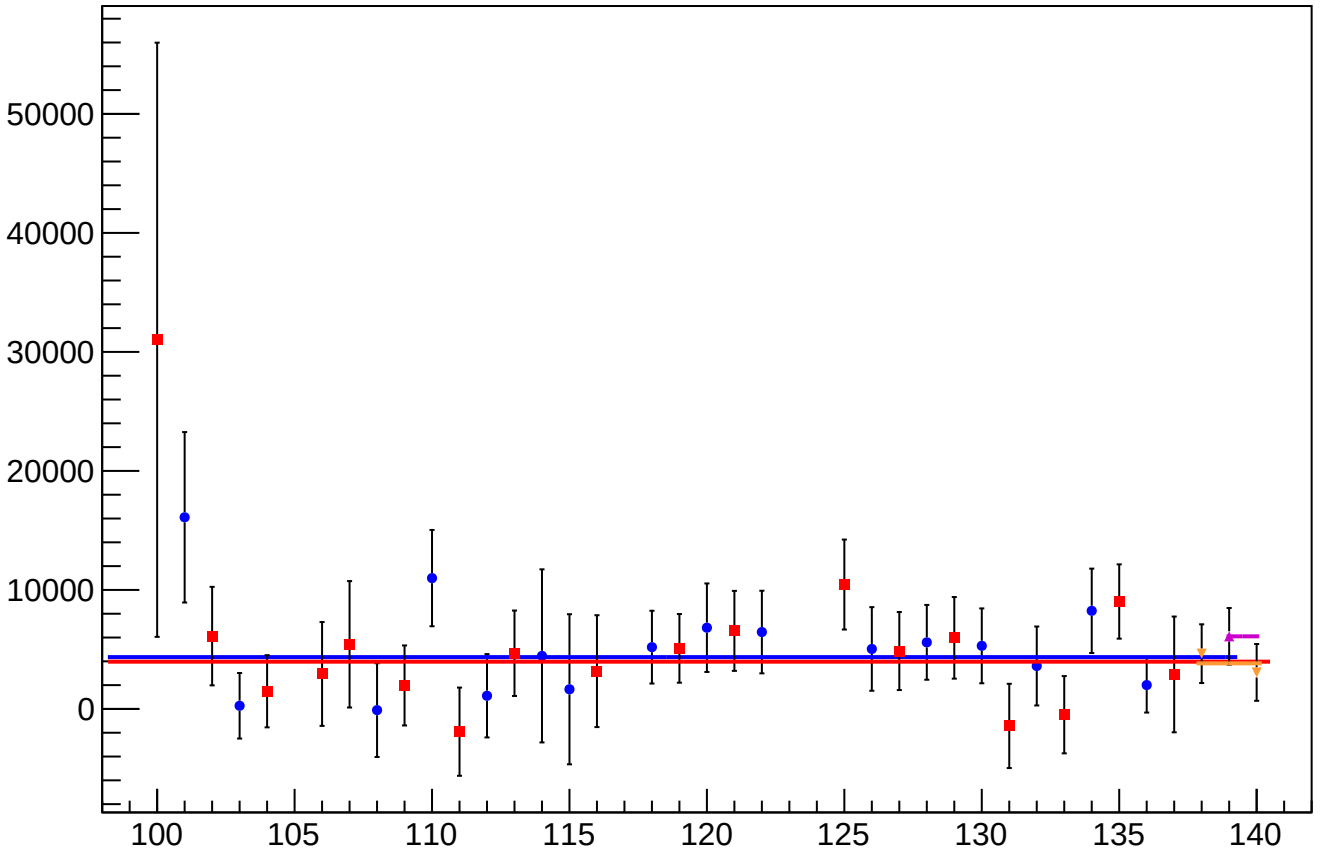
Left: 0.000+/-0.000 χ^2/NDF: 373126.3/2

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:3171071.6/16

Out: 0.000+/-0.000 χ^2/NDF:3378496.1/20

All: 0.000+/-0.000 χ^2/NDF: 6879575.6/37



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3829.958+/-1715.254 χ^2/NDF:0.2/1

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 6101.098+/-2379.253 χ^2/NDF:0.0/0

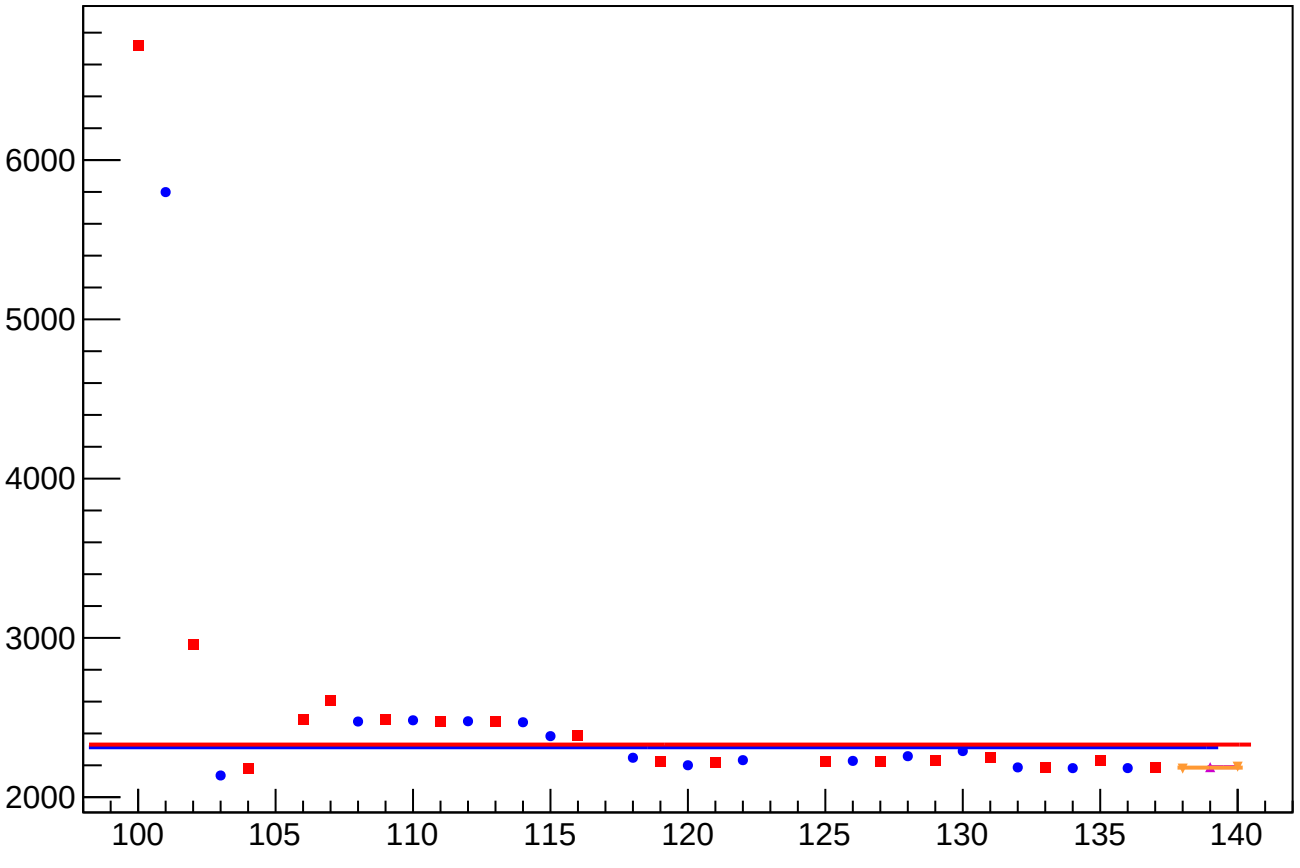
Left: 4606.659+/-1391.380 χ^2/NDF: 0.8/2

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4562.516+/-821.354 χ^2/NDF:13.8/16

Out: 3942.611+/-776.825 χ^2/NDF:16.4/19

All: 4235.305+/-564.384 χ^2/NDF: 30.5/36



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2185.521+/-1.213 χ^2/NDF:24.9/1

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2188.643+/-1.682 χ^2/NDF:0.0/0

Left: 2186.589+/-0.984 χ^2/NDF: 27.2/2

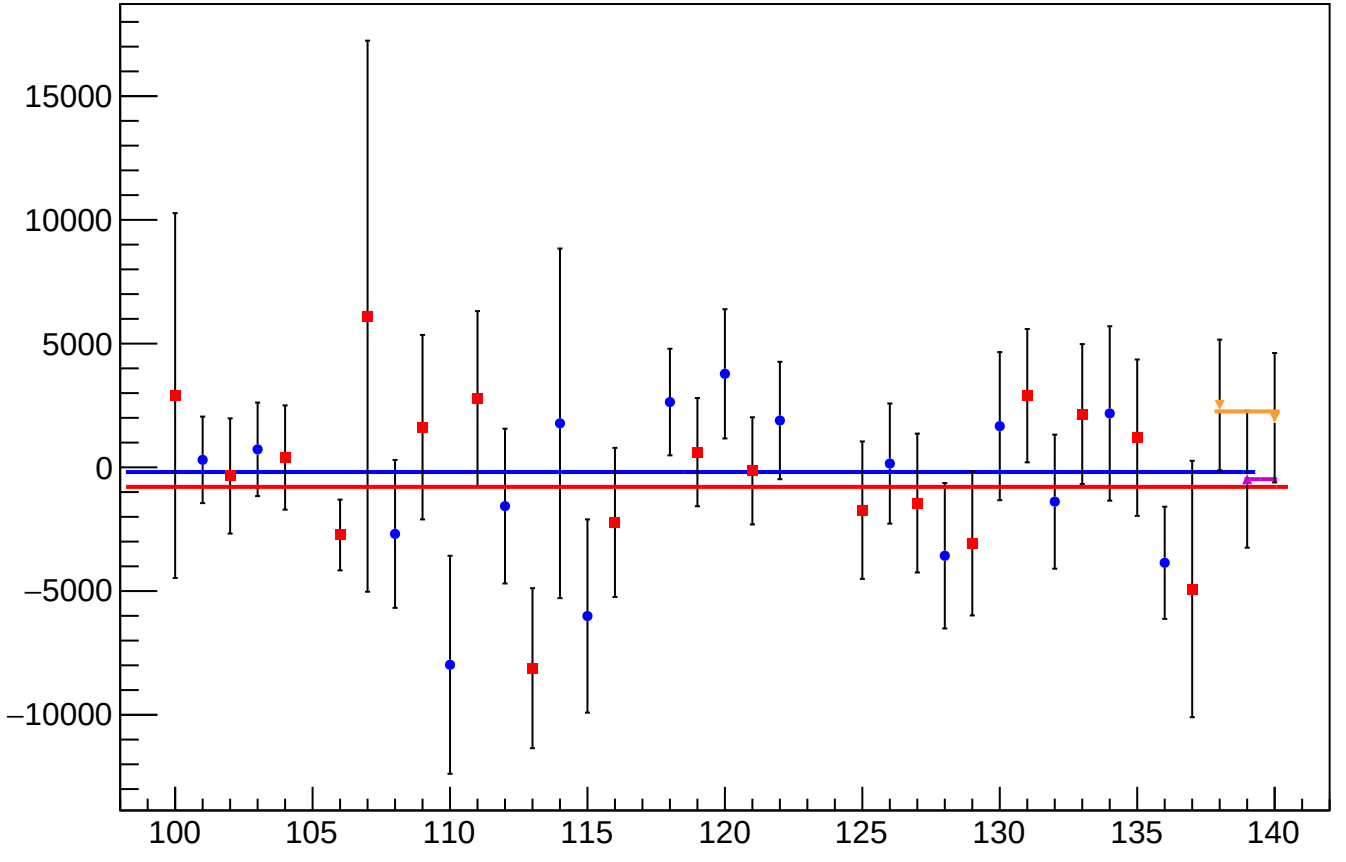
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2298.544+/-0.581 χ^2/NDF:517216.4/16

Out: 2300.525+/-0.549 χ^2/NDF:162546.2/19

All: 2299.590+/-0.399 χ^2/NDF: 679768.8/36

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 2260.684+/-1857.949 χ^2/NDF:0.0/1

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -478.642+/-2766.816 χ^2/NDF:0.0/0

Left: 1409.340+/-1542.449 χ^2/NDF: 0.7/2

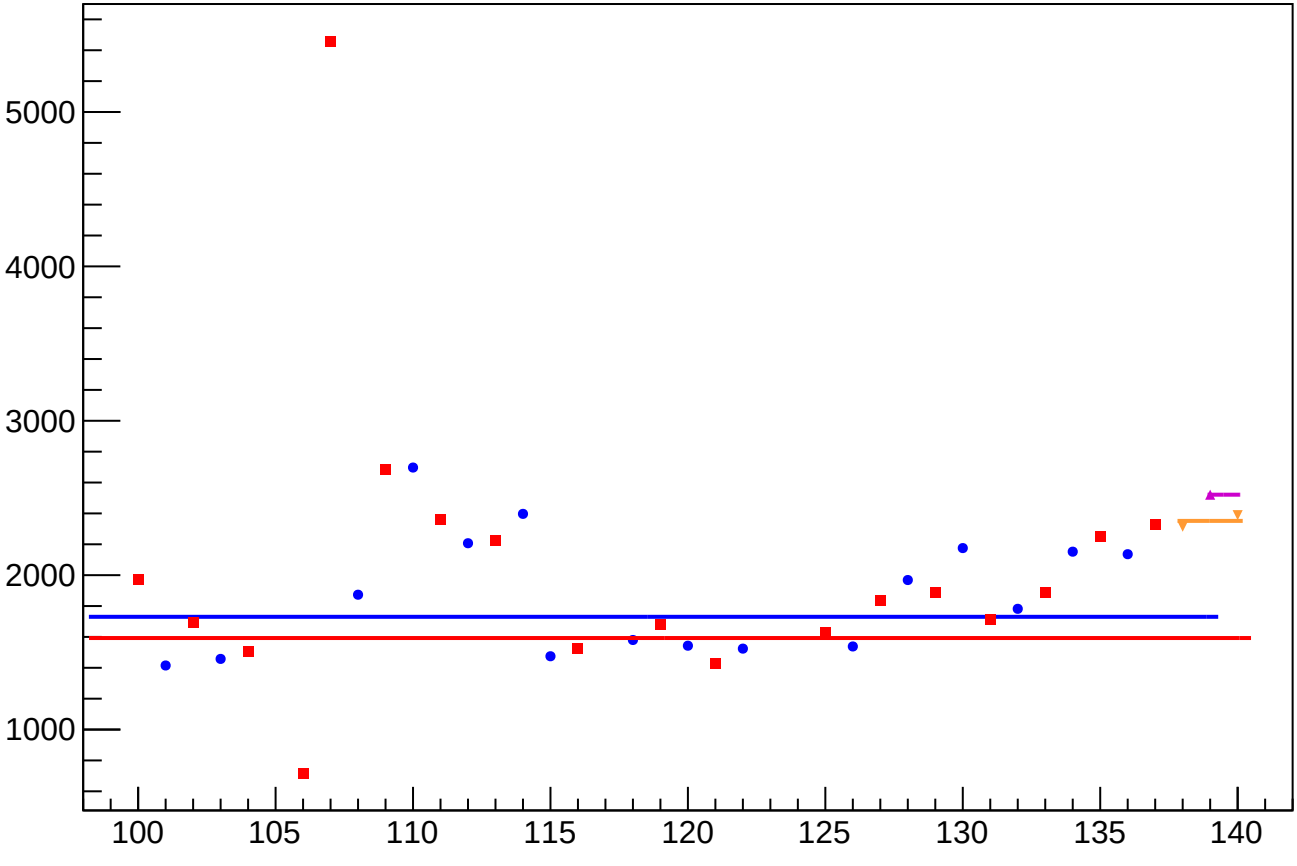
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: -204.197+/-640.454 χ^2/NDF:16.4/16

Out: -470.400+/-600.790 χ^2/NDF:17.3/19

All: -345.796+/-438.174 χ^2/NDF: 33.9/36

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 2351.547+/-1.314 χ^2/NDF:807.4/1

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 2521.253+/-1.956 χ^2/NDF:0.0/0

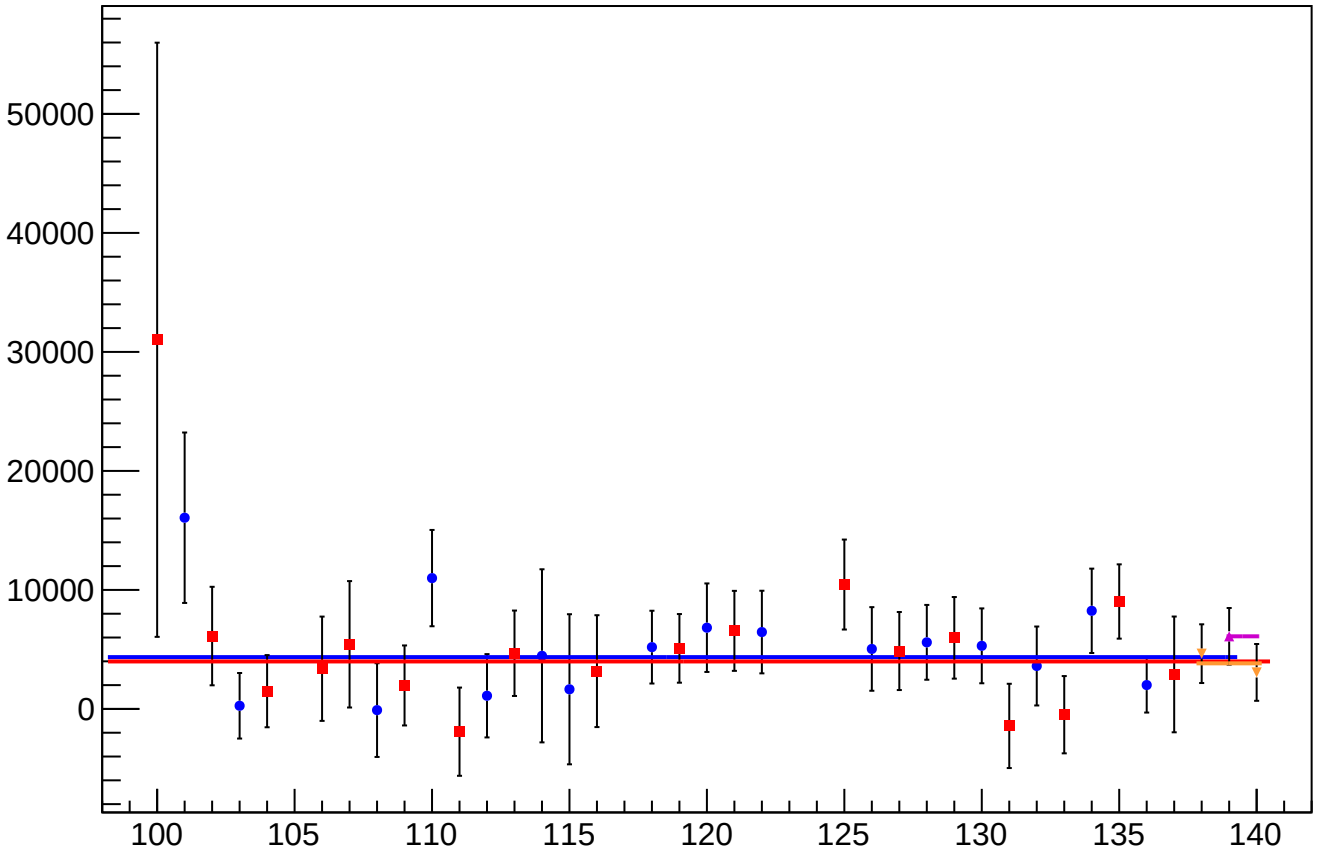
Left: 2404.289+/-1.091 χ^2/NDF: 5993.2/2

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1772.669+/-0.453 χ^2/NDF:633623.8/16

Out: 1672.158+/-0.425 χ^2/NDF:1855663.0/19

All: 1719.205+/-0.310 χ^2/NDF: 2515488.1/36



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3830.068+/-1715.254 χ^2/NDF:0.2/1

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 6101.663+/-2379.253 χ^2/NDF:0.0/0

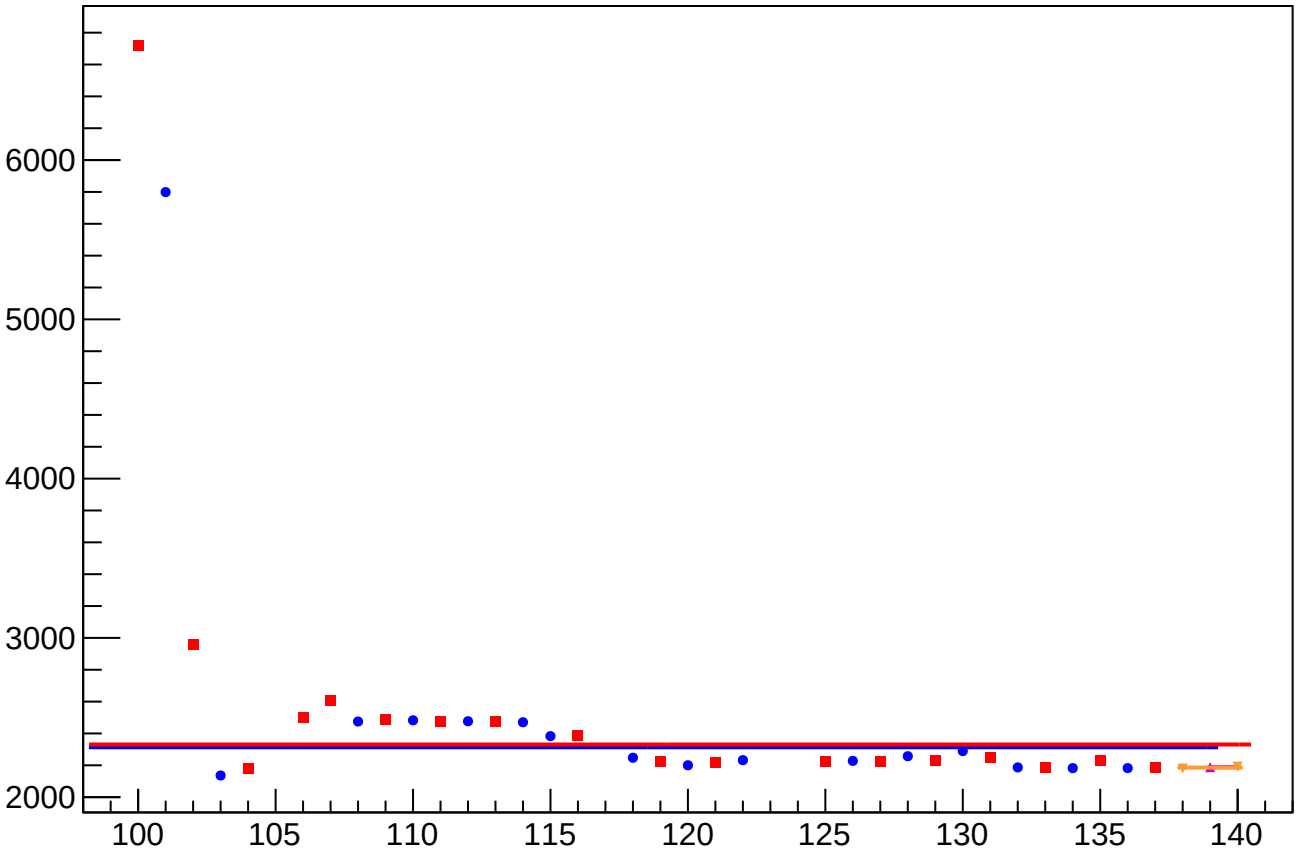
Left: 4606.925+/-1391.380 χ^2/NDF: 0.8/2

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4561.984+/-821.354 χ^2/NDF:13.8/16

Out: 3957.095+/-776.932 χ^2/NDF:16.3/19

All: 4242.741+/-564.425 χ^2/NDF: 30.5/36



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2185.521+/-1.213 χ^2/NDF:24.9/1

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2188.643+/-1.682 χ^2/NDF:0.0/0

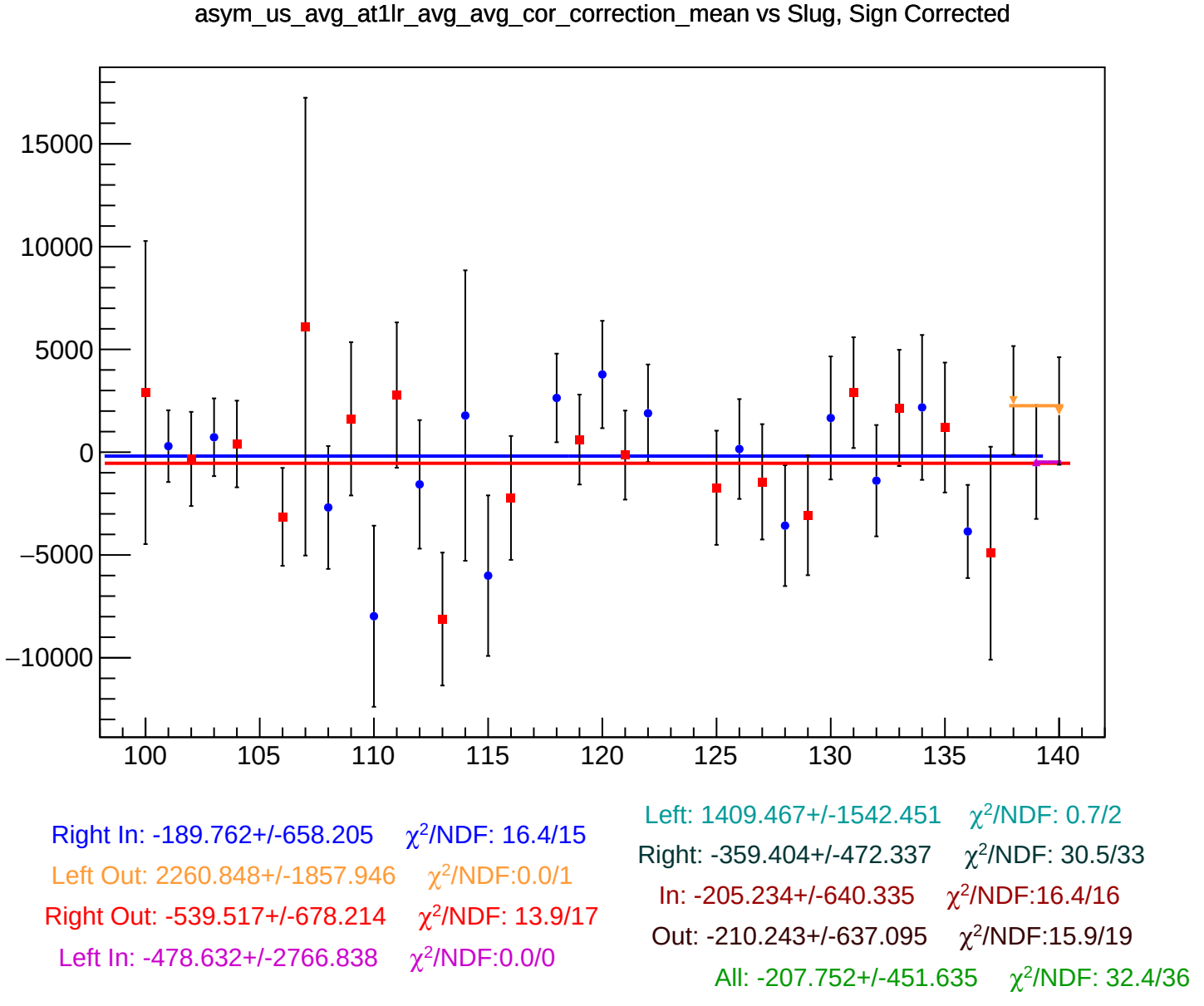
Left: 2186.589+/-0.984 χ^2/NDF: 27.2/2

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

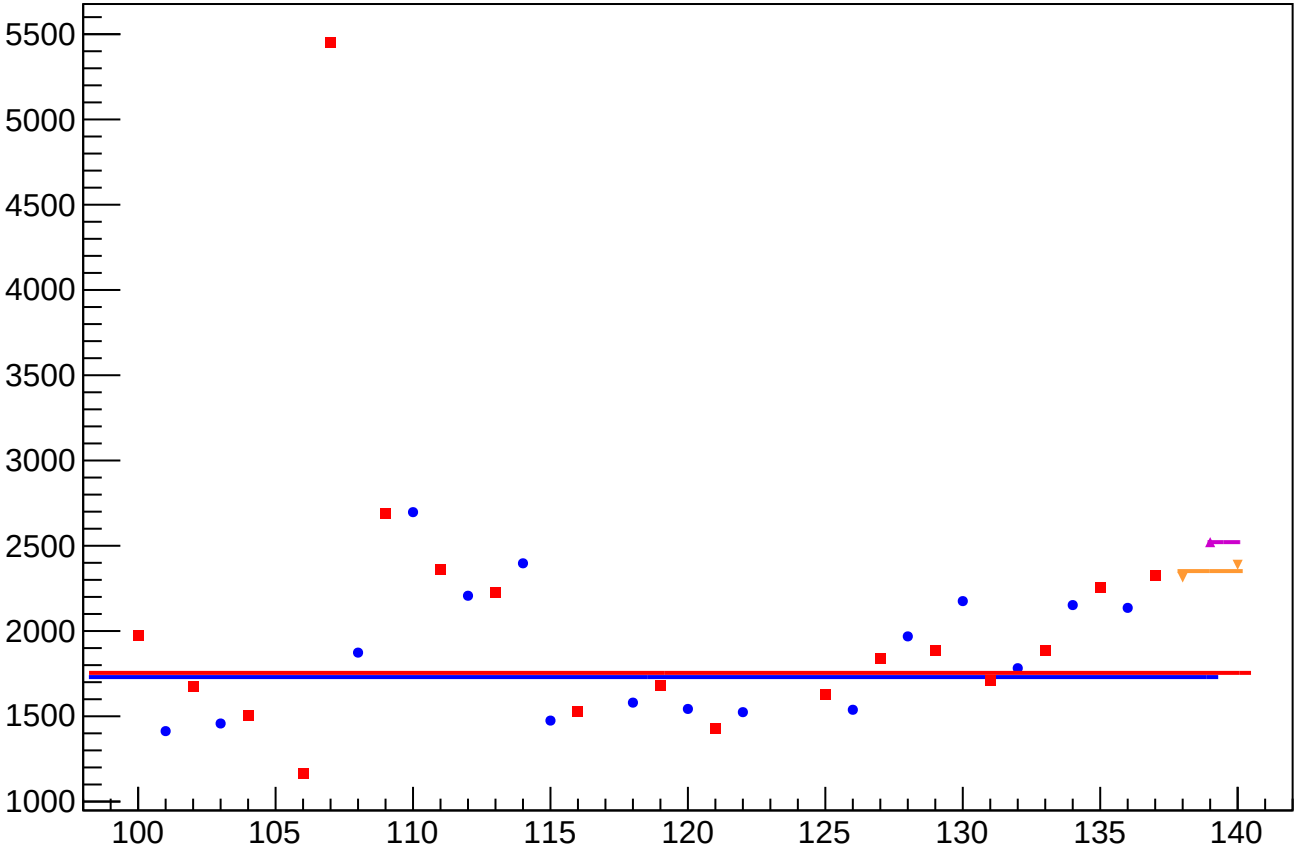
In: 2298.544+/-0.581 χ^2/NDF:517216.9/16

Out: 2300.811+/-0.549 χ^2/NDF:162949.3/19

All: 2299.740+/-0.399 χ^2/NDF: 680174.2/36


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 2260.848+/-1857.946 χ²/NDF:0.0/1
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -478.632+/-2766.838 χ²/NDF:0.0/0
Left: 1409.467+/-1542.451 χ²/NDF: 0.7/2
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -205.234+/-640.335 χ²/NDF:16.4/16
Out: -210.243+/-637.095 χ²/NDF:15.9/19
All: -207.752+/-451.635 χ²/NDF: 32.4/36

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2351.542+/-1.314 χ^2/NDF:807.1/1

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2521.270+/-1.956 χ^2/NDF:0.0/0

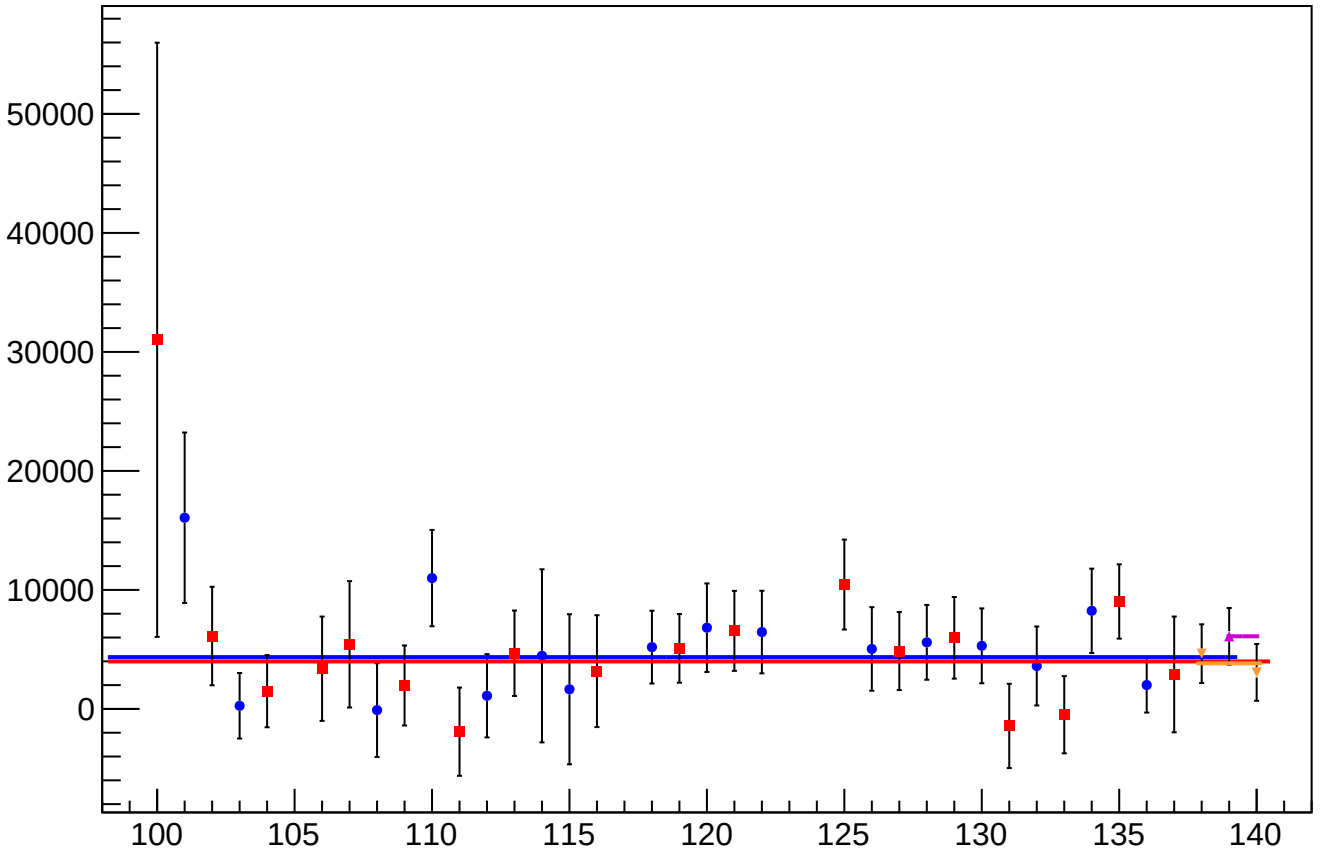
Left: 2404.290+/-1.091 χ^2/NDF: 5994.2/2

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1772.285+/-0.453 χ^2/NDF:634750.0/16

Out: 1824.725+/-0.450 χ^2/NDF:934042.7/19

All: 1798.638+/-0.319 χ^2/NDF: 1575533.6/36



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3830.068+/-1715.254 χ^2/NDF:0.2/1

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 6101.663+/-2379.253 χ^2/NDF:0.0/0

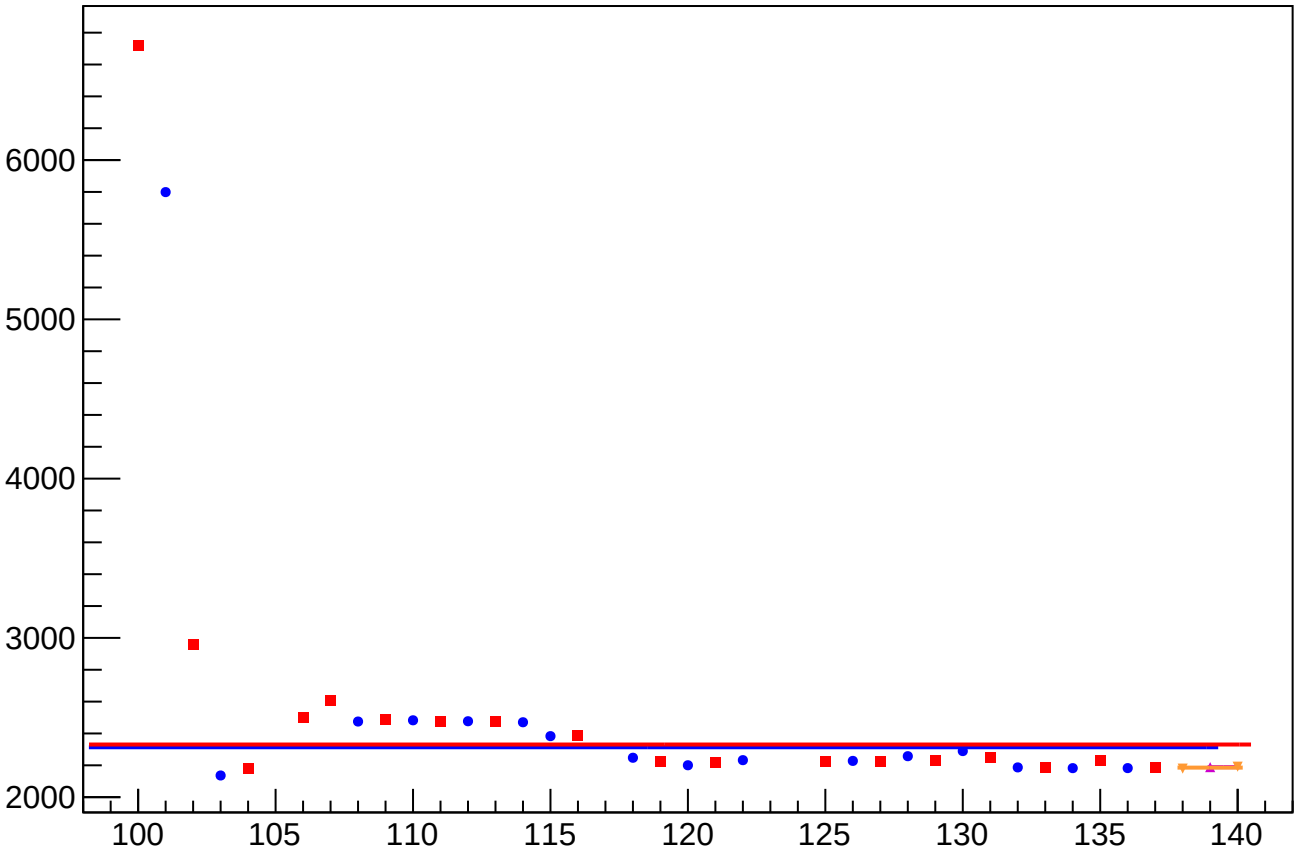
Left: 4606.925+/-1391.380 χ^2/NDF: 0.8/2

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4561.984+/-821.354 χ^2/NDF:13.8/16

Out: 3957.095+/-776.932 χ^2/NDF:16.3/19

All: 4242.741+/-564.425 χ^2/NDF: 30.5/36



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2185.521+/-1.213 χ^2/NDF:24.9/1

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2188.643+/-1.682 χ^2/NDF:0.0/0

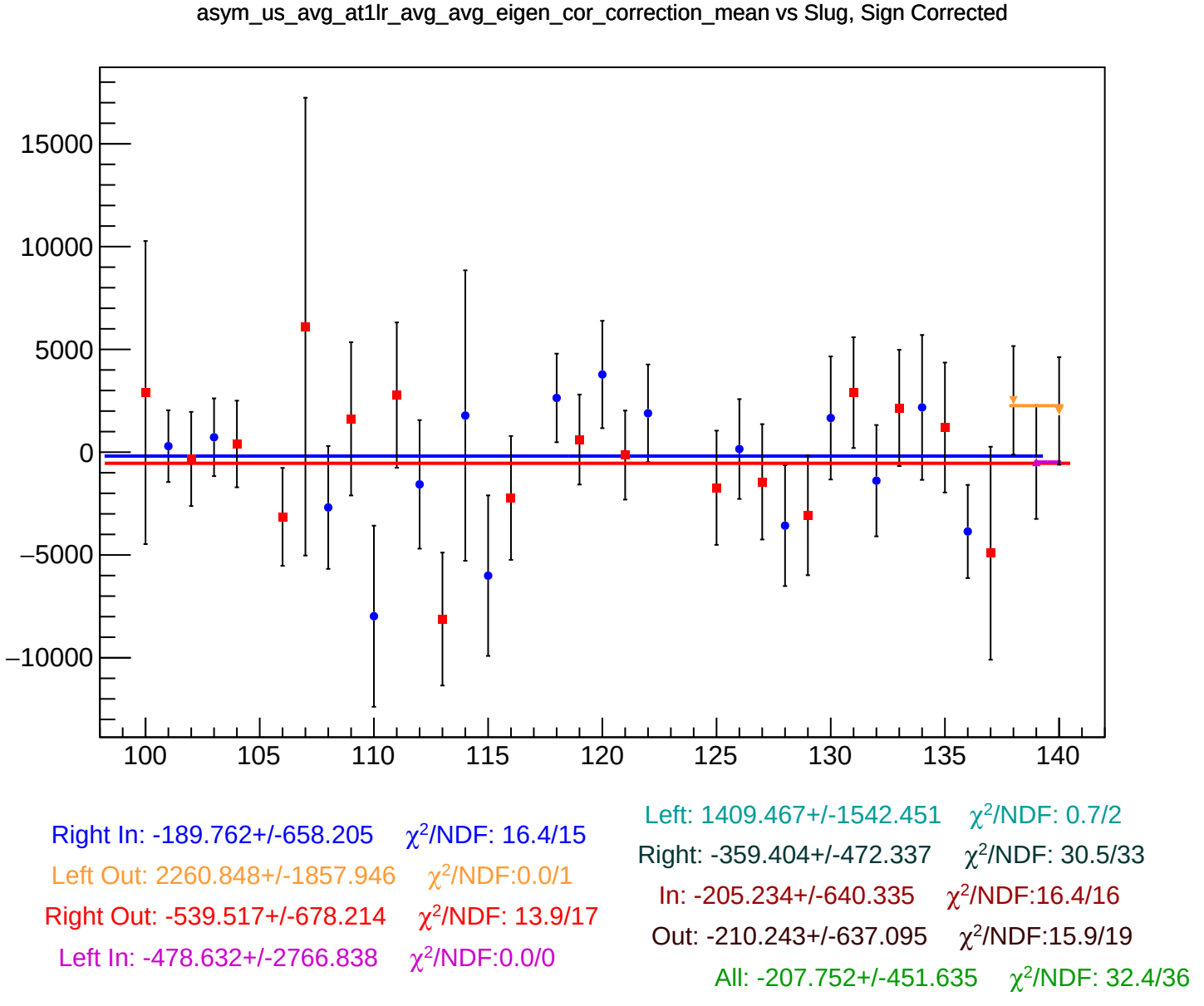
Left: 2186.589+/-0.984 χ^2/NDF: 27.2/2

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

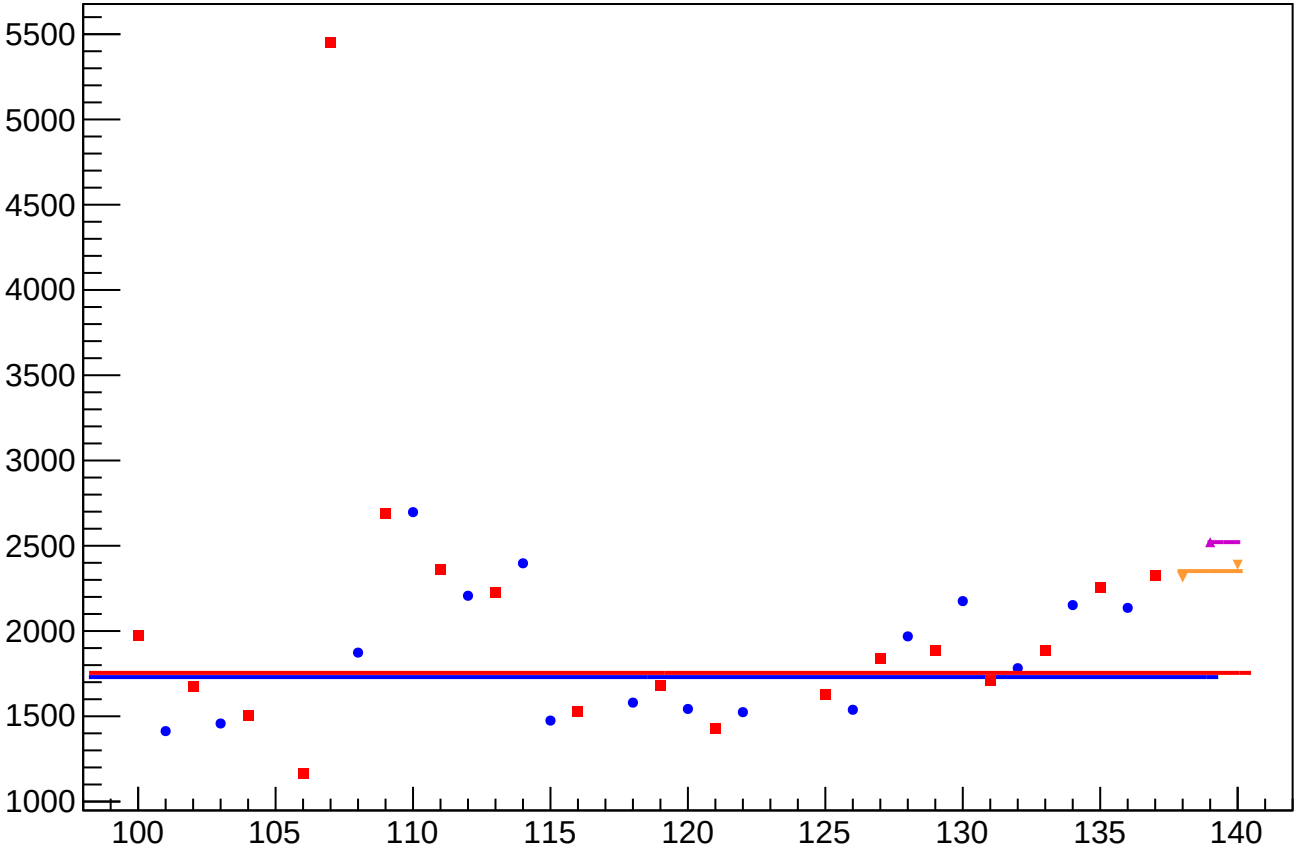
In: 2298.544+/-0.581 χ^2/NDF:517216.9/16

Out: 2300.811+/-0.549 χ^2/NDF:162949.3/19

All: 2299.740+/-0.399 χ^2/NDF: 680174.2/36


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 2260.848+/-1857.946 χ²/NDF:0.0/1
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -478.632+/-2766.838 χ²/NDF:0.0/0
Left: 1409.467+/-1542.451 χ²/NDF: 0.7/2
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -205.234+/-640.335 χ²/NDF:16.4/16
Out: -210.243+/-637.095 χ²/NDF:15.9/19
All: -207.752+/-451.635 χ²/NDF: 32.4/36

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2351.542+/-1.314 χ^2/NDF:807.1/1

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2521.270+/-1.956 χ^2/NDF:0.0/0

Left: 2404.290+/-1.091 χ^2/NDF: 5994.2/2

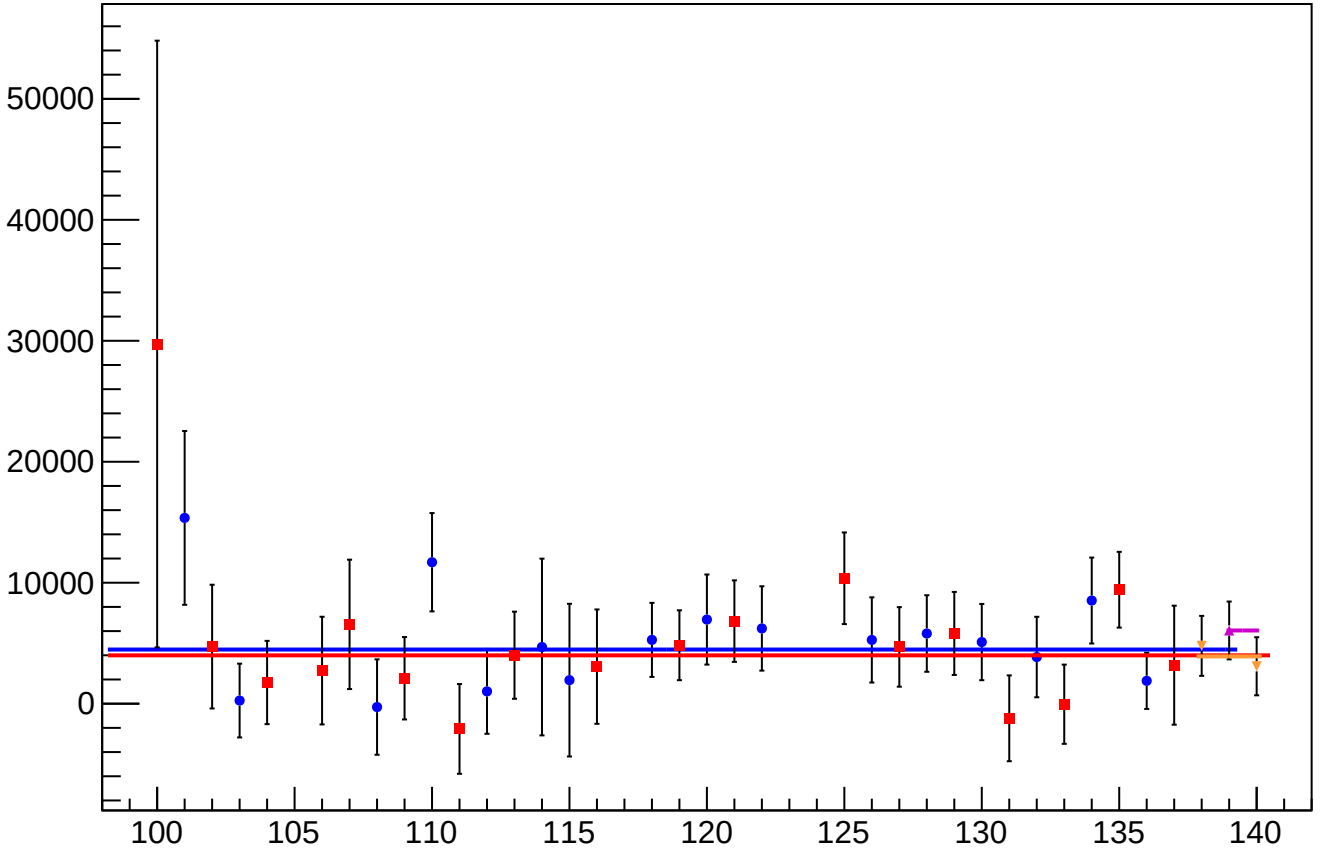
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1772.285+/-0.453 χ^2/NDF:634750.0/16

Out: 1824.725+/-0.450 χ^2/NDF:934042.7/19

All: 1798.638+/-0.319 χ^2/NDF: 1575533.6/36

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3908.547+/-1724.225 χ^2/NDF:0.2/1

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 6052.029+/-2390.984 χ^2/NDF:0.0/0

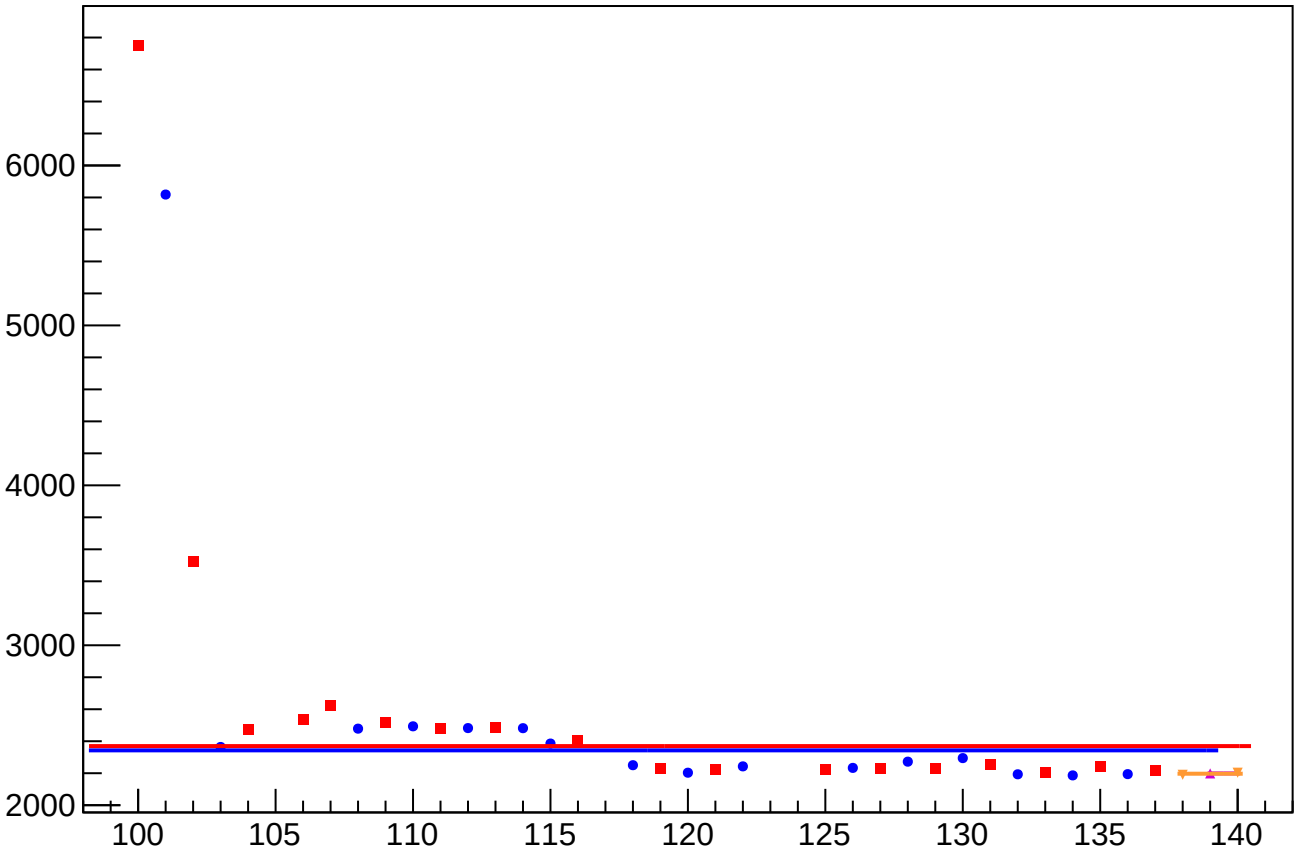
Left: 4641.878+/-1398.514 χ^2/NDF: 0.8/2

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4666.694+/-830.866 χ^2/NDF:13.9/16

Out: 3977.434+/-791.167 χ^2/NDF:15.7/19

All: 4305.205+/-572.960 χ^2/NDF: 30.0/36



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2196.869+/-1.219 χ^2/NDF:28.8/1

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2198.742+/-1.691 χ^2/NDF:0.0/0

Left: 2197.510+/-0.989 χ^2/NDF: 29.6/2

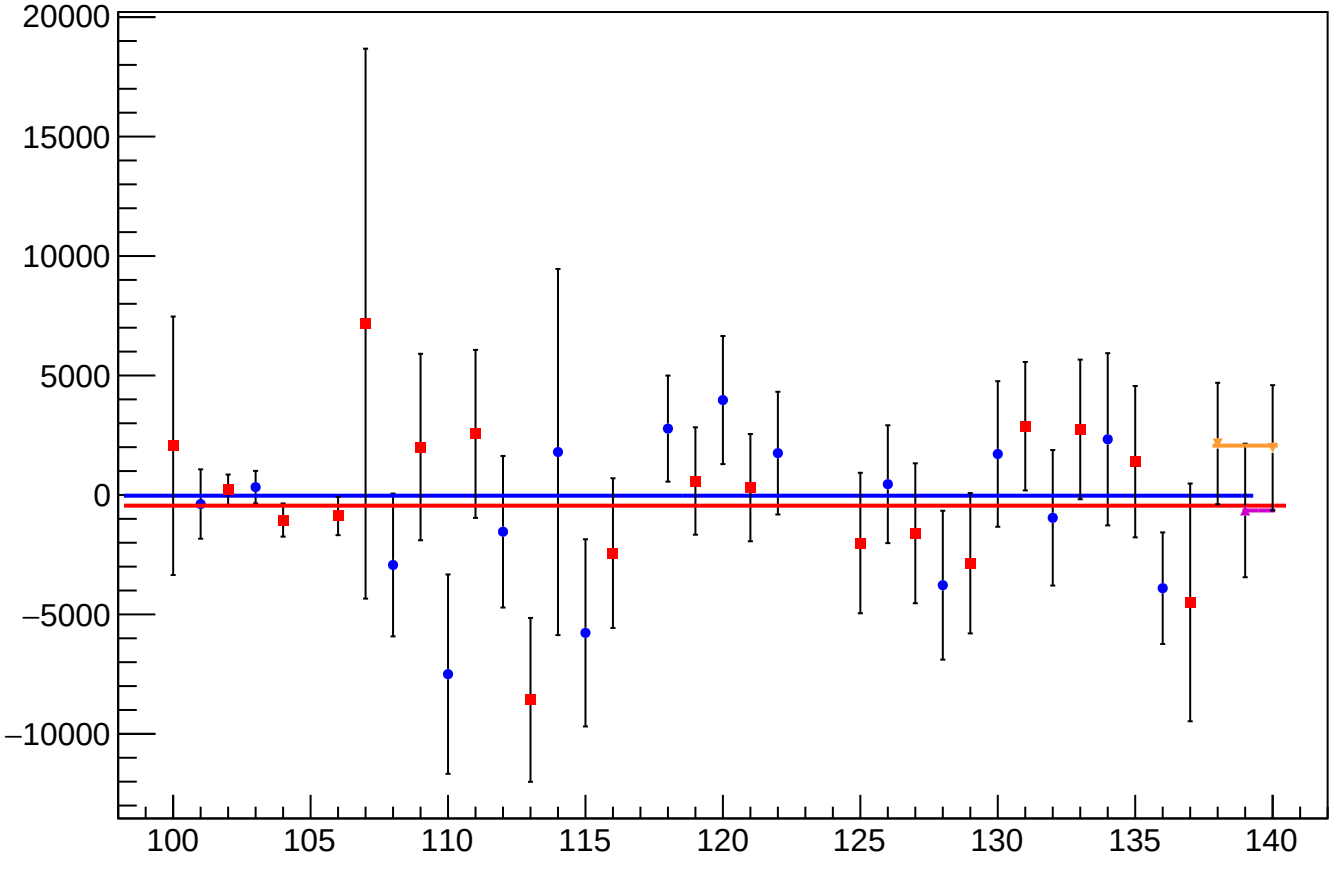
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2325.504+/-0.588 χ^2/NDF:509259.9/16

Out: 2333.210+/-0.559 χ^2/NDF:226016.9/19

All: 2329.546+/-0.405 χ^2/NDF: 735367.0/36

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 2065.425+/-1825.373 χ^2/NDF:0.0/1

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -649.182+/-2795.707 χ^2/NDF:0.0/0

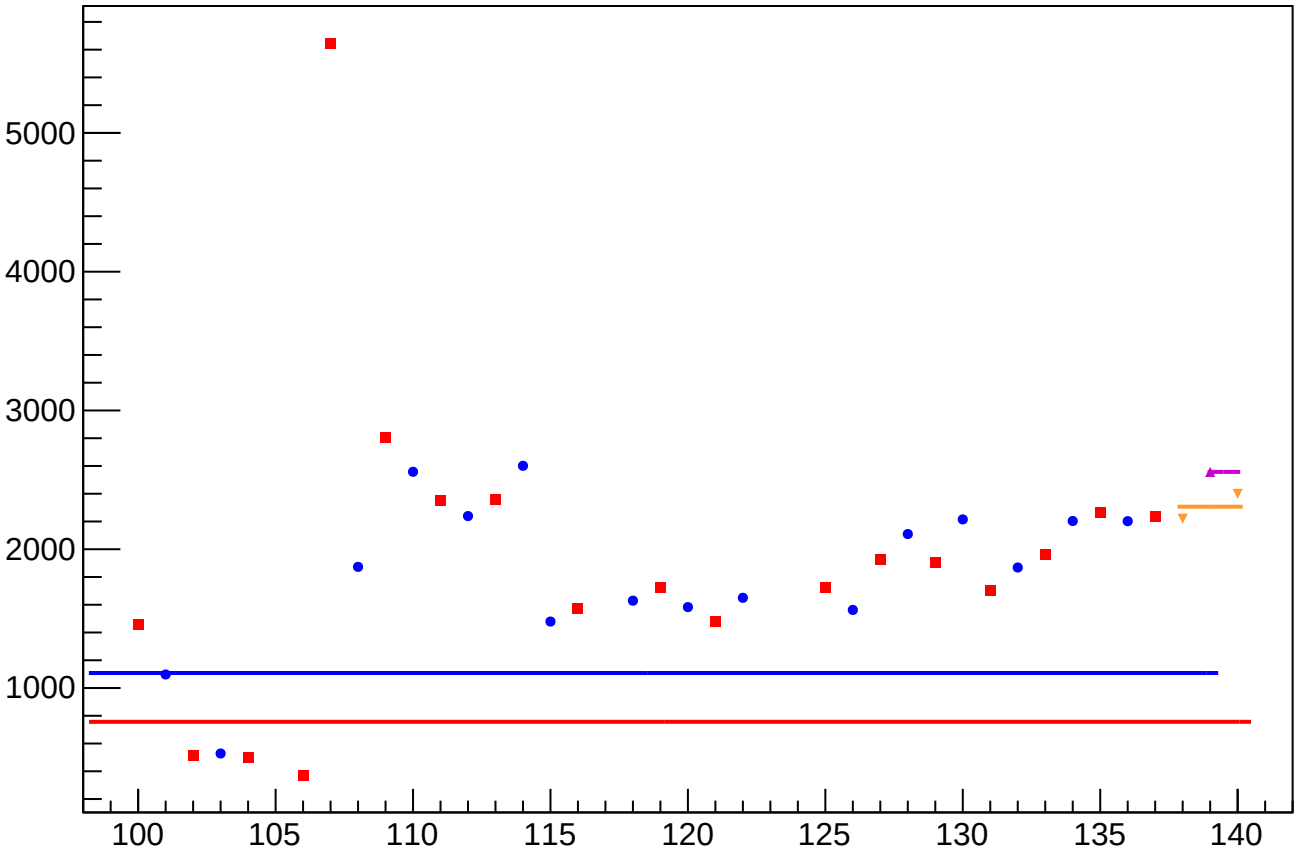
Left: 1254.063+/-1528.430 χ^2/NDF: 0.7/2

Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: -49.466+/-478.177 χ^2/NDF:16.4/16

Out: -352.853+/-355.623 χ^2/NDF:16.9/19

All: -244.809+/-285.358 χ^2/NDF: 33.5/36



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2306.447+/-1.291 χ^2/NDF:4846.8/1

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2557.241+/-1.977 χ^2/NDF:0.0/0

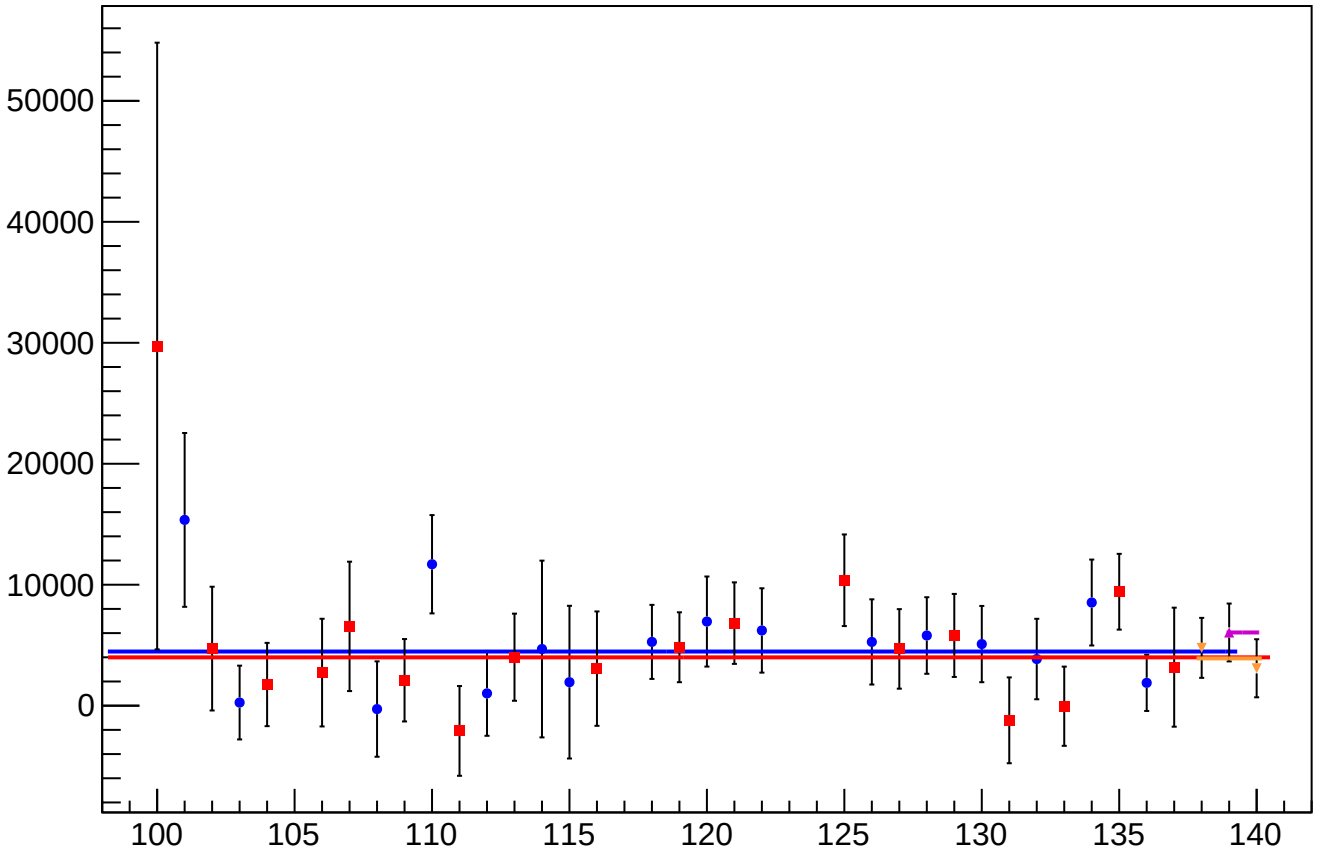
Left: 2381.406+/-1.081 χ^2/NDF: 16131.0/2

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1150.532+/-0.338 χ^2/NDF:4268091.8/16

Out: 815.251+/-0.251 χ^2/NDF:6995460.5/19

All: 934.653+/-0.202 χ^2/NDF: 11896651.2/36



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3908.552+/-1724.224 χ^2/NDF:0.2/1

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 6052.028+/-2390.984 χ^2/NDF:0.0/0

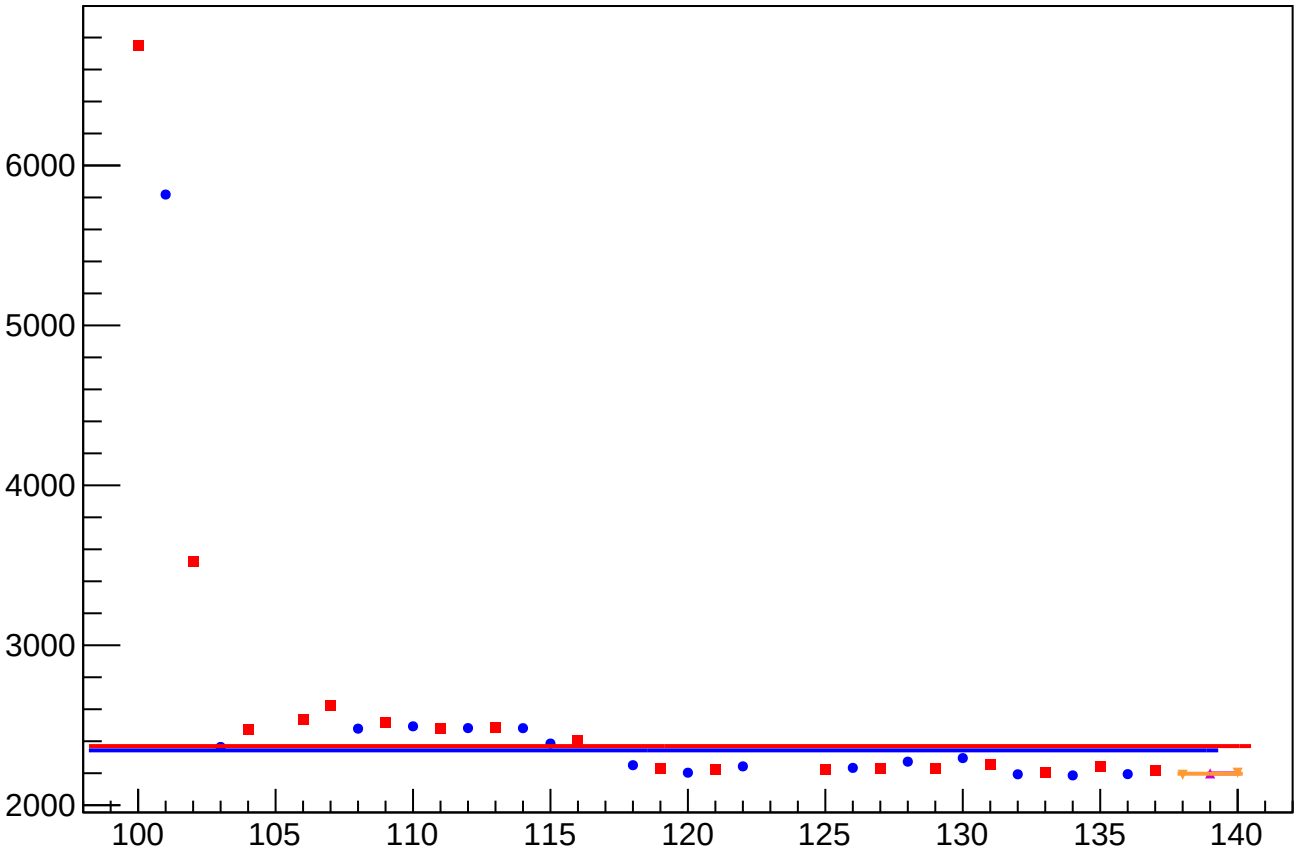
Left: 4641.881+/-1398.514 χ^2/NDF: 0.8/2

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4666.690+/-830.866 χ^2/NDF:13.9/16

Out: 3977.433+/-791.167 χ^2/NDF:15.7/19

All: 4305.202+/-572.960 χ^2/NDF: 30.0/36



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2196.869+/-1.219 χ^2/NDF:28.8/1

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2198.742+/-1.691 χ^2/NDF:0.0/0

Left: 2197.510+/-0.989 χ^2/NDF: 29.6/2

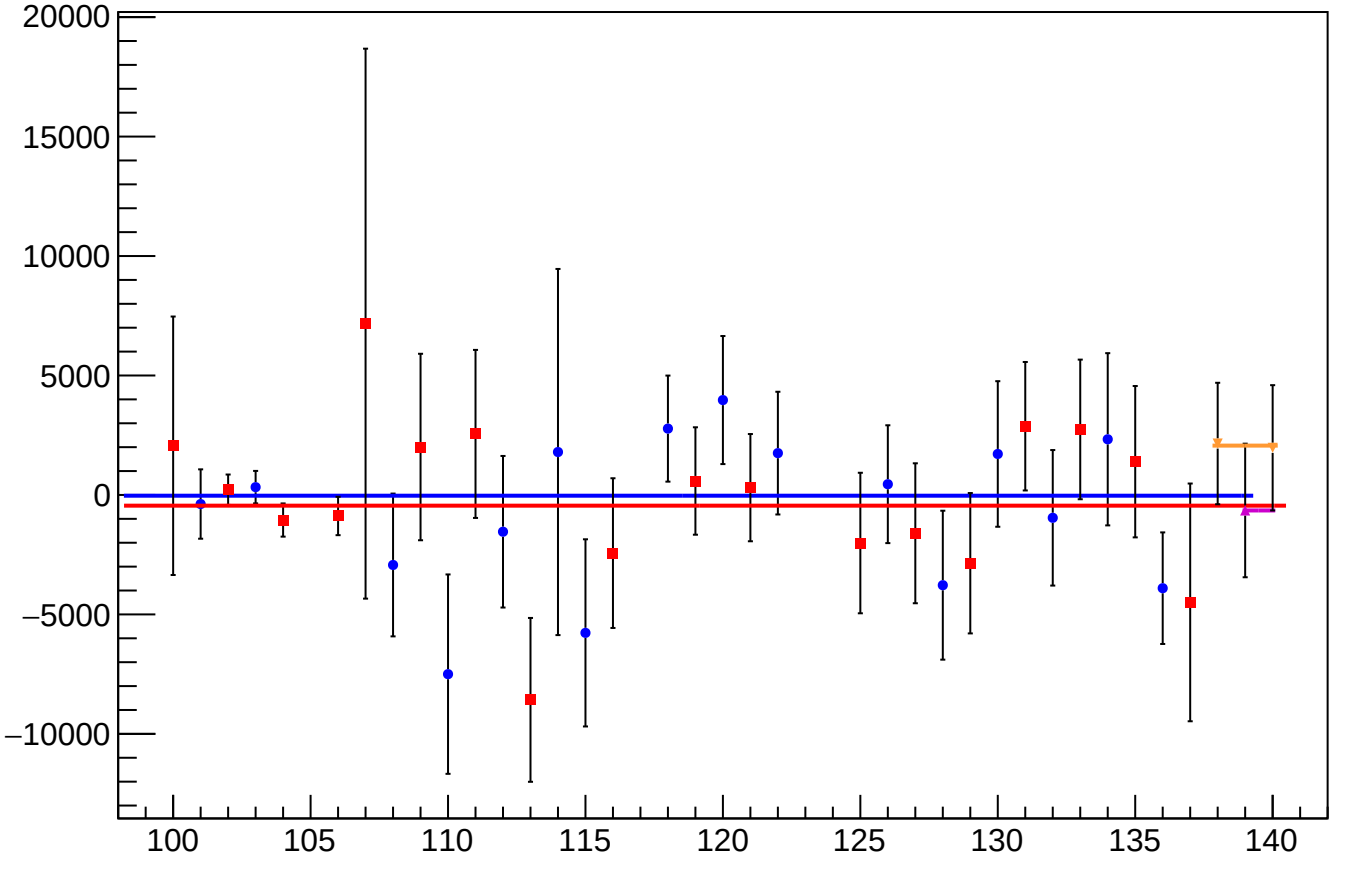
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2325.504+/-0.588 χ^2/NDF:509259.9/16

Out: 2333.210+/-0.559 χ^2/NDF:226015.7/19

All: 2329.545+/-0.405 χ^2/NDF: 735365.8/36

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 2065.430+/-1825.376 χ^2/NDF:0.0/1

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -649.184+/-2795.712 χ^2/NDF:0.0/0

Left: 1254.066+/-1528.432 χ^2/NDF: 0.7/2

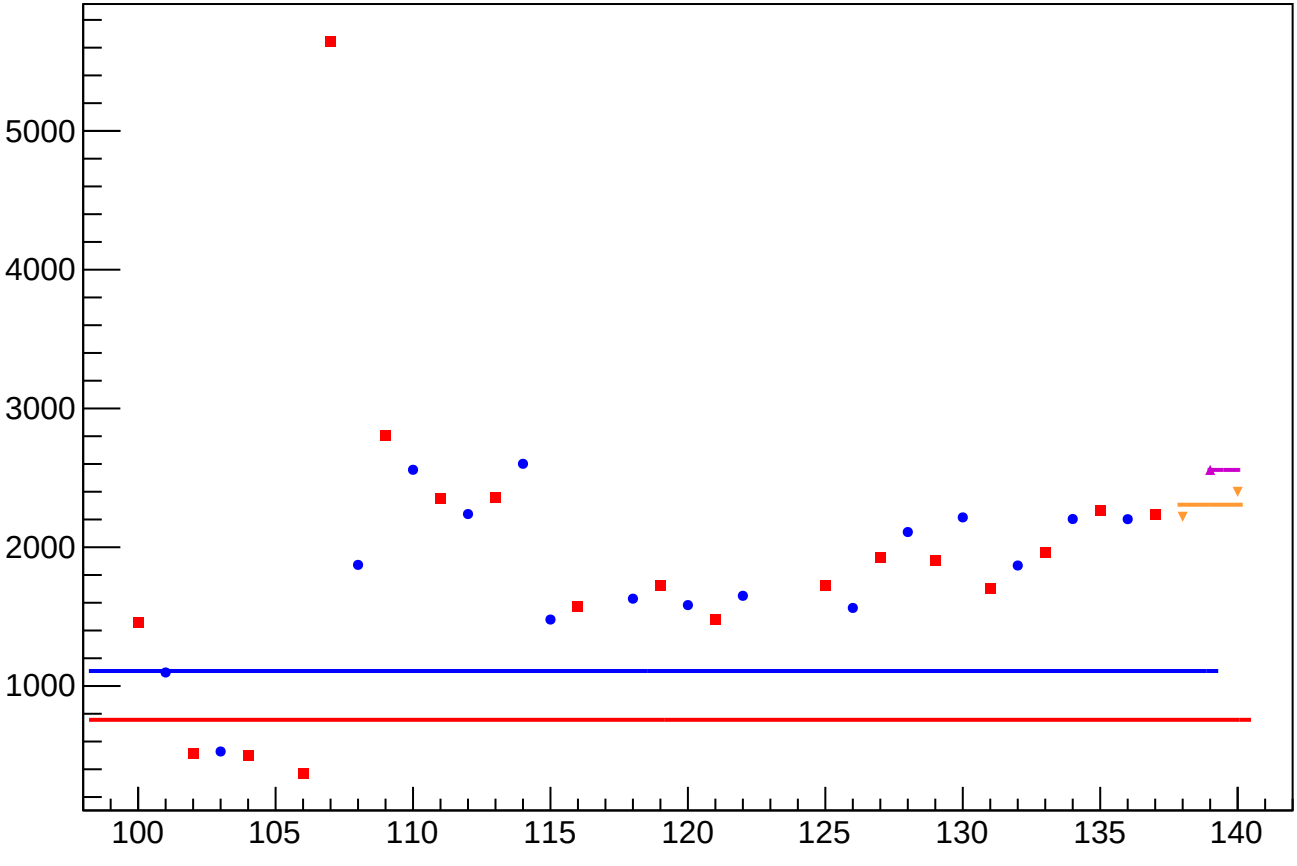
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: -49.473+/-478.179 χ^2/NDF:16.4/16

Out: -352.854+/-355.627 χ^2/NDF:16.9/19

All: -244.811+/-285.361 χ^2/NDF: 33.5/36

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 2306.451+/-1.291 χ^2/NDF:4846.8/1

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2557.246+/-1.977 χ^2/NDF:0.0/0

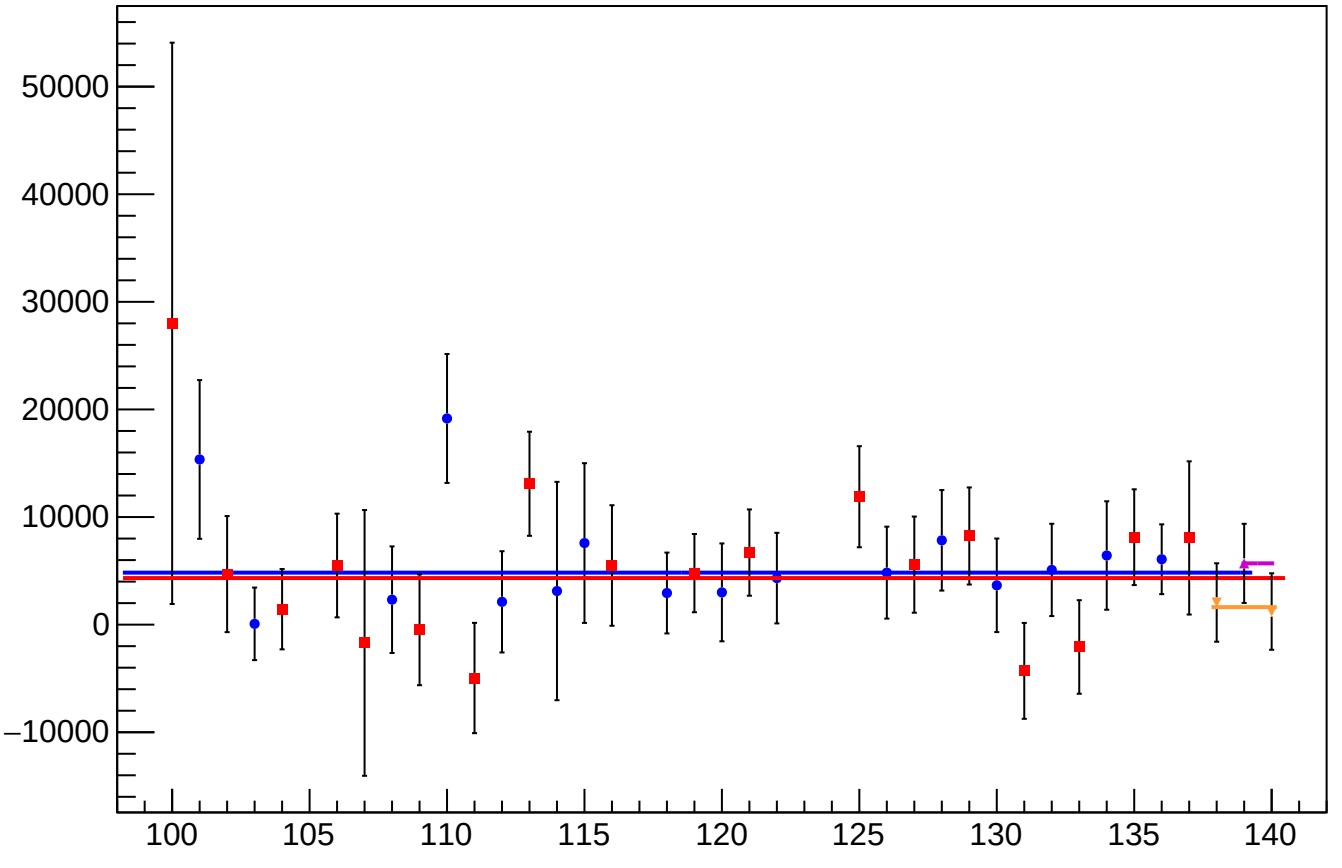
Left: 2381.410+/-1.081 χ^2/NDF: 16131.0/2

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1150.542+/-0.338 χ^2/NDF:4268010.9/16

Out: 815.267+/-0.251 χ^2/NDF:6995316.3/19

All: 934.668+/-0.202 χ^2/NDF: 11896393.6/36



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 1627.964+/-2544.424 χ^2/NDF:0.0/1

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 5694.816+/-3677.815 χ^2/NDF:0.0/0

Left: 2944.395+/-2092.473 χ^2/NDF: 0.9/2

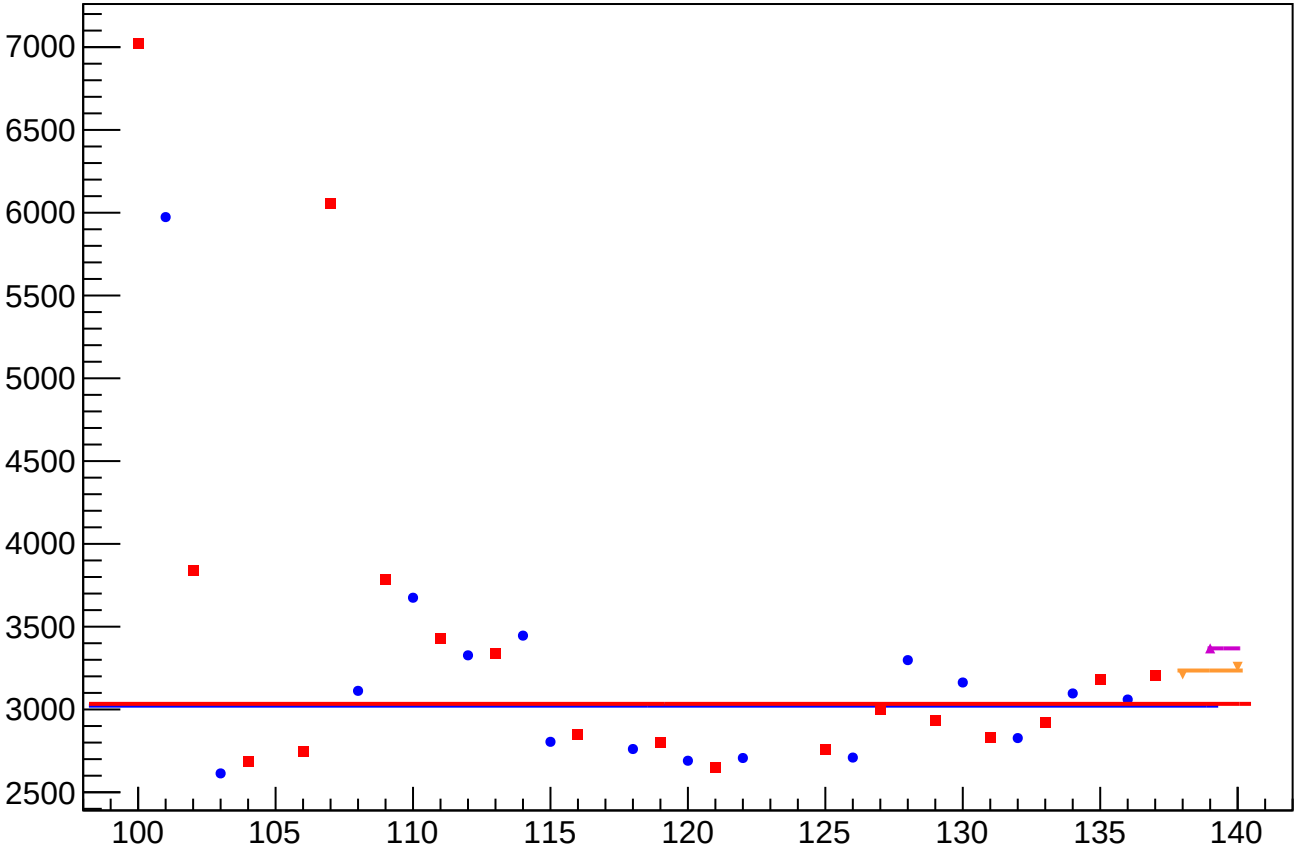
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4909.586+/-1091.098 χ^2/NDF:11.7/16

Out: 3874.113+/-1043.801 χ^2/NDF:20.9/19

All: 4368.921+/-754.245 χ^2/NDF: 33.1/36

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3235.242+/-1.799 χ^2/NDF:162.2/1

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3368.981+/-2.601 χ^2/NDF:0.0/0

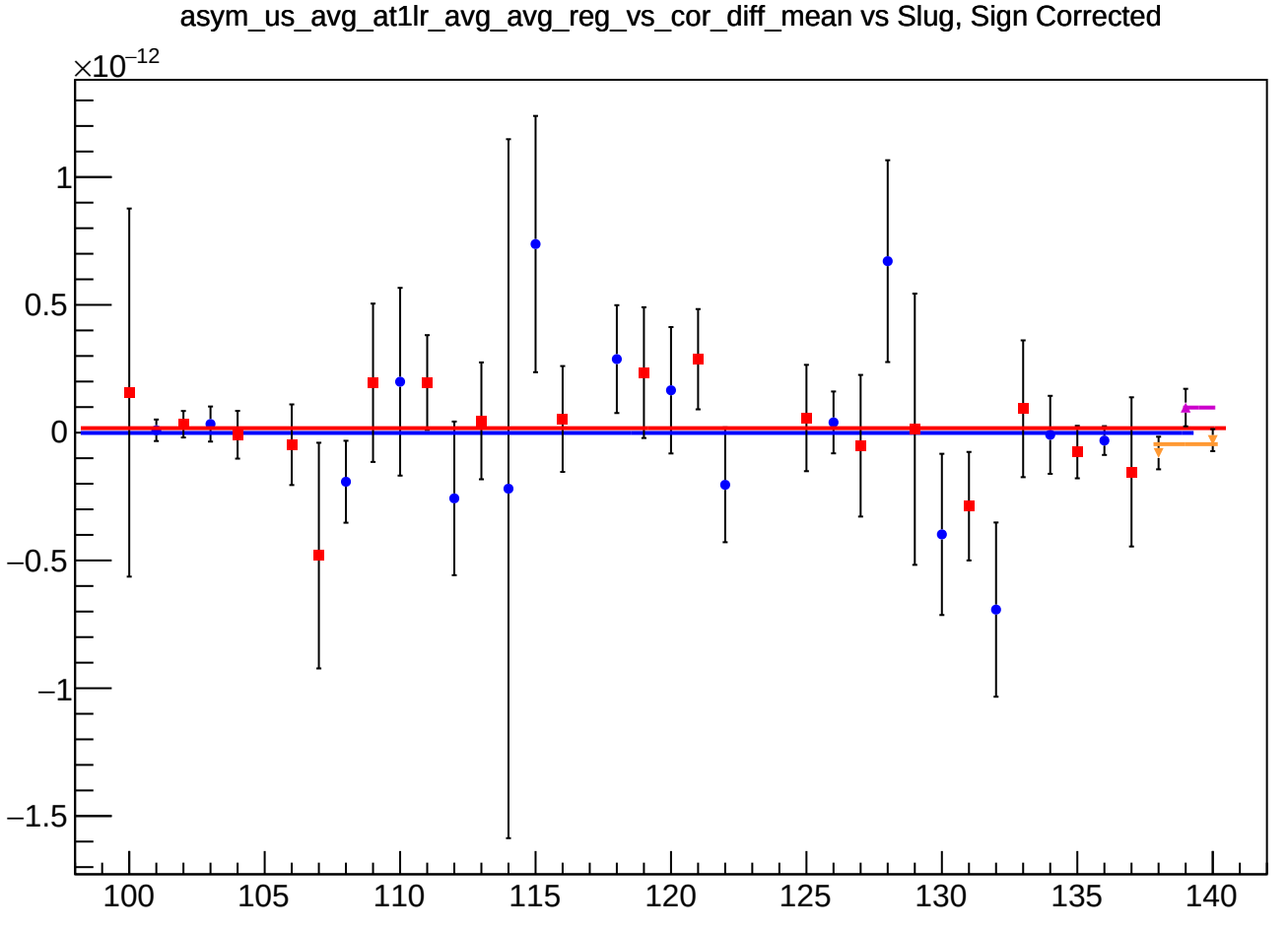
Left: 3278.533+/-1.480 χ^2/NDF: 1950.8/2

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3053.513+/-0.772 χ^2/NDF:459840.9/16

Out: 3067.757+/-0.738 χ^2/NDF:353256.0/19

All: 3060.951+/-0.533 χ^2/NDF: 813274.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.000+/-0.000 χ^2/NDF: 3.5/2

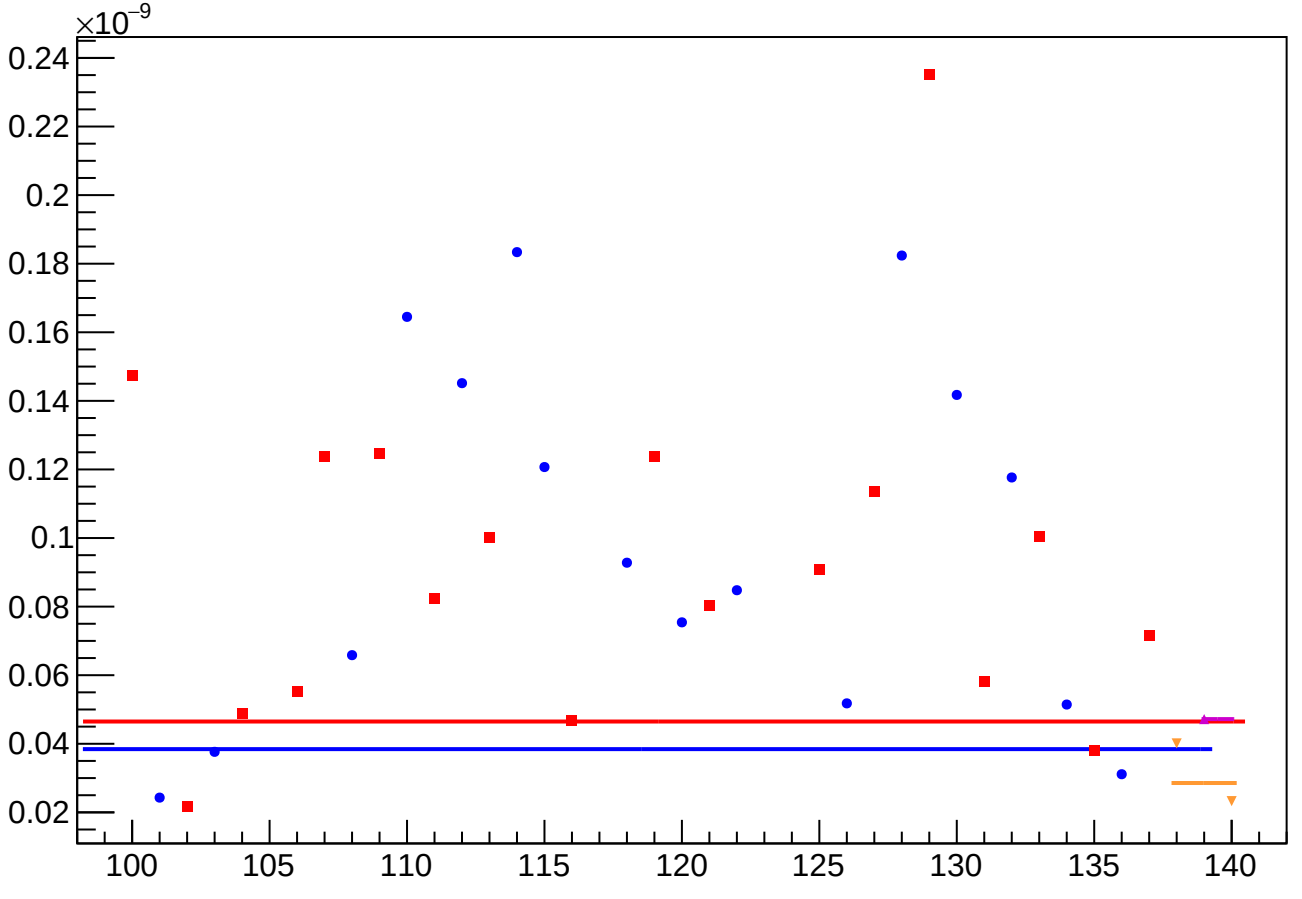
Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: 0.000+/-0.000 χ^2/NDF:18.7/16

Out: -0.000+/-0.000 χ^2/NDF:11.0/19

All: -0.000+/-0.000 χ^2/NDF: 30.1/36

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:95644.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 199990.1/2

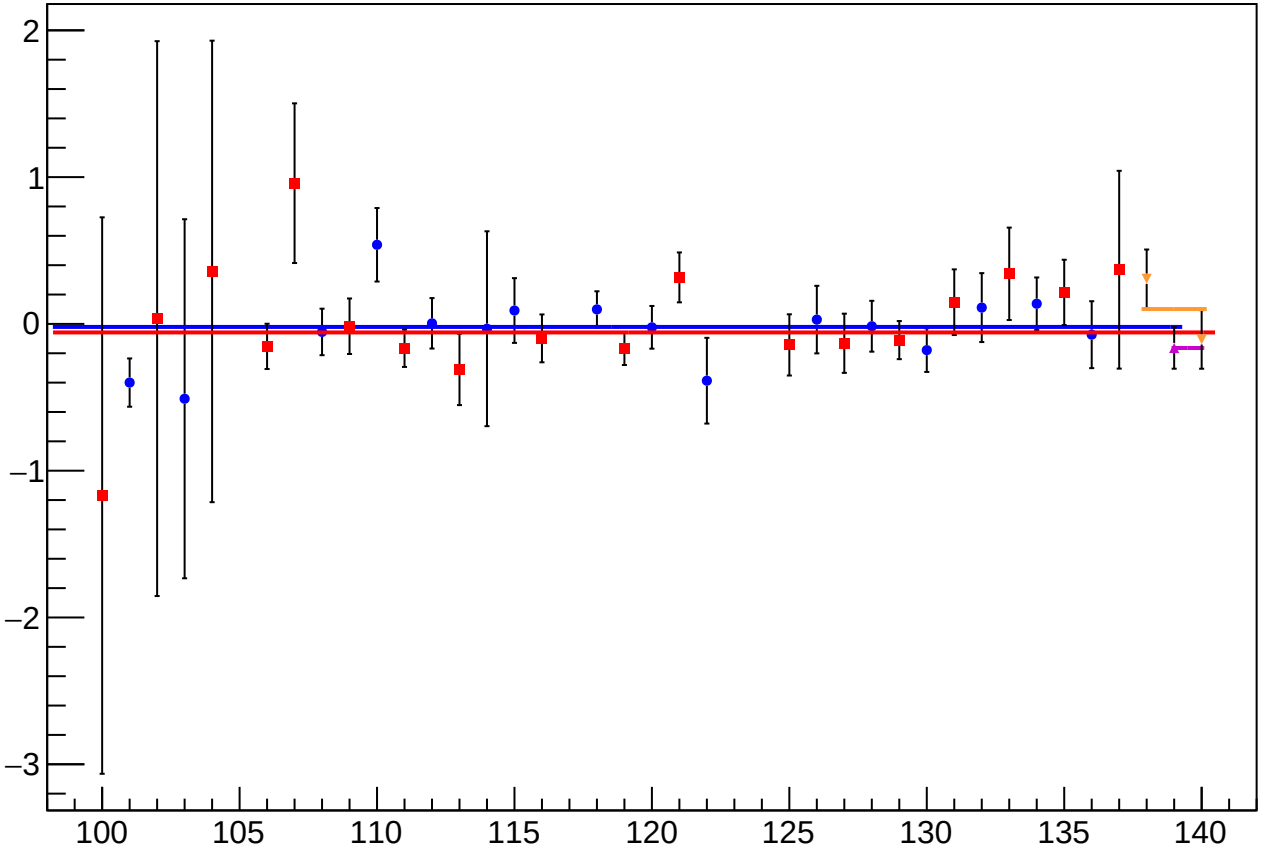
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:1796452.1/16

Out: 0.000+/-0.000 χ^2/NDF:2053383.5/19

All: 0.000+/-0.000 χ^2/NDF: 3854212.4/36

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.101+/-0.141 χ^2/NDF:2.1/1

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.164+/-0.141 χ^2/NDF:0.0/0

Left: -0.031+/-0.100 χ^2/NDF: 3.9/2

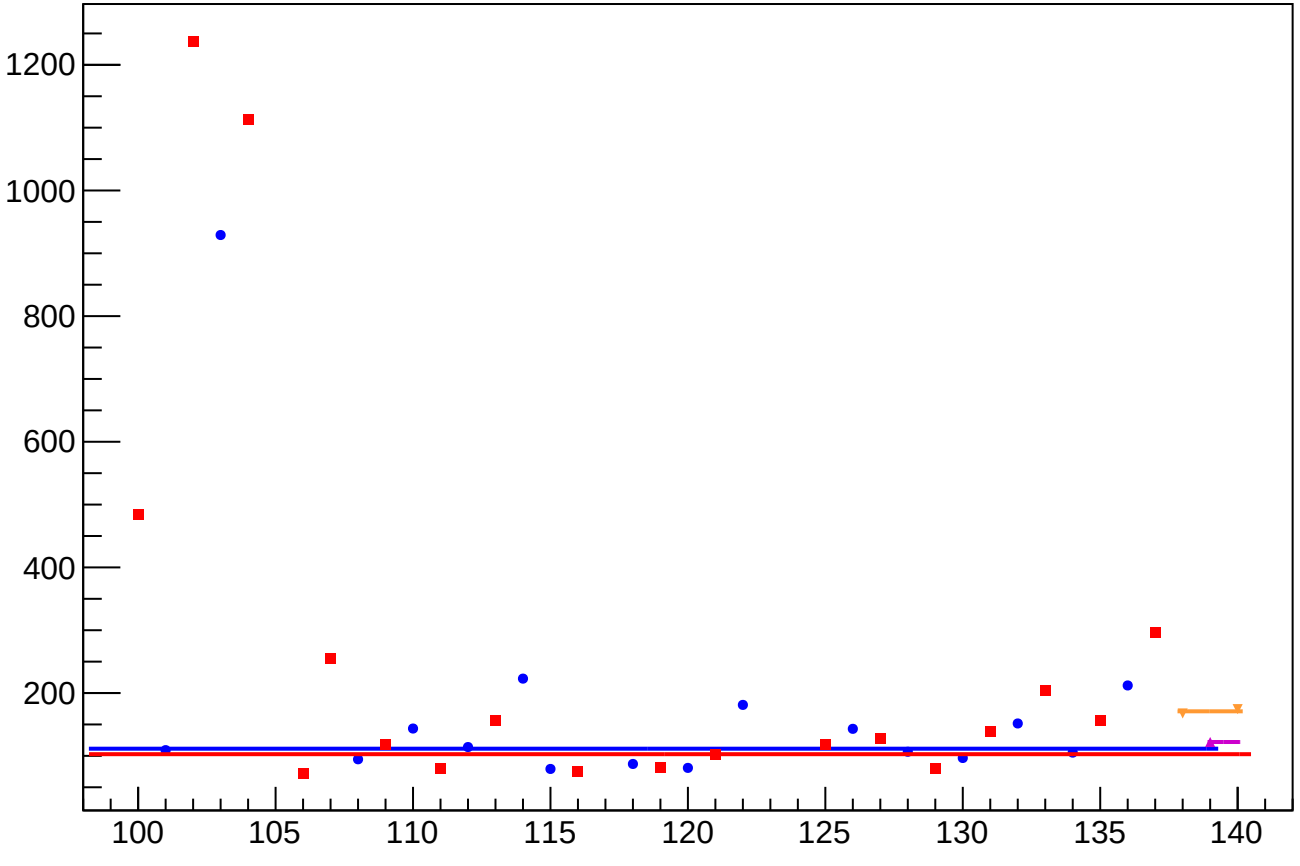
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.035+/-0.045 χ^2/NDF:16.6/16

Out: -0.043+/-0.044 χ^2/NDF:20.1/19

All: -0.039+/-0.032 χ^2/NDF: 36.7/36

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 170.917+/-0.100 χ^2/NDF:1188.9/1

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 122.060+/-0.100 χ^2/NDF:0.0/0

Left: 146.502+/-0.071 χ^2/NDF: 121011.0/2

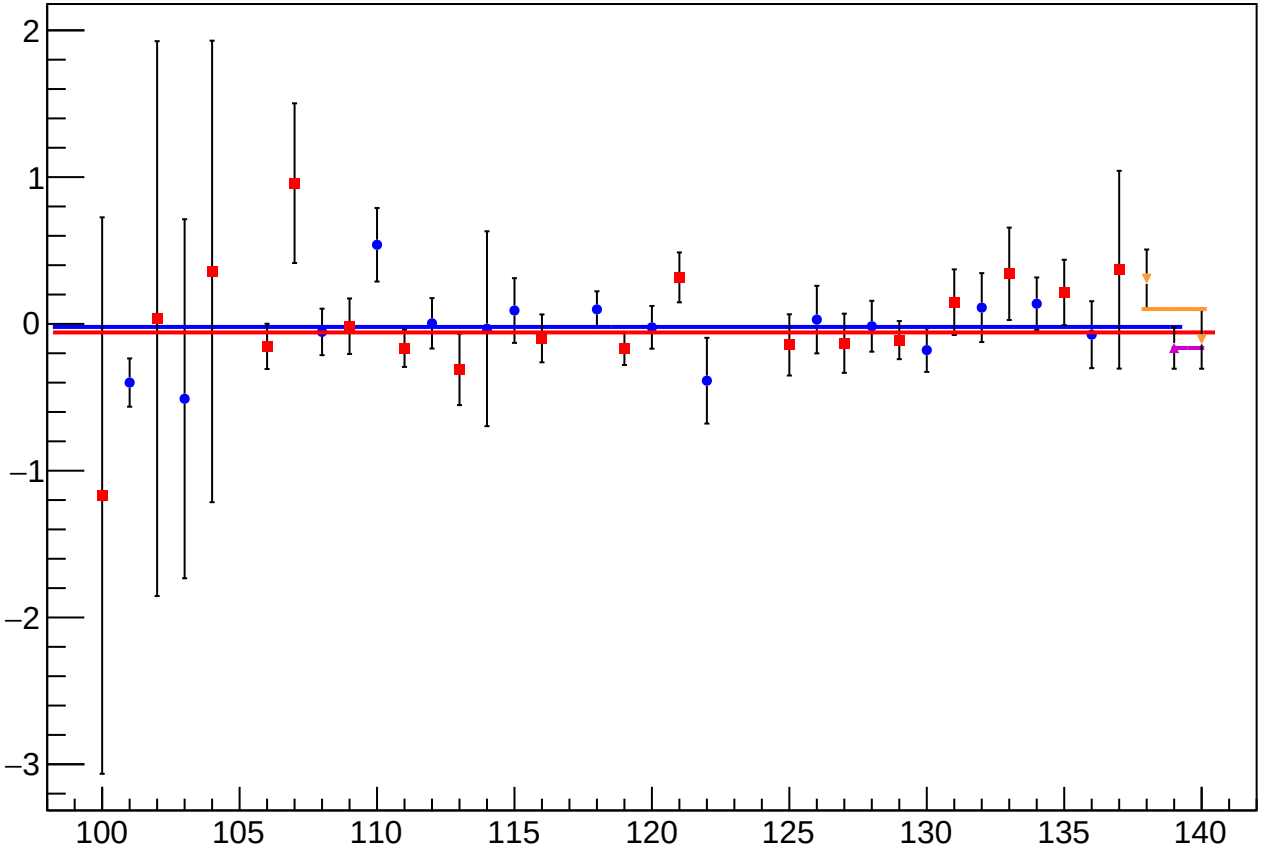
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 112.495+/-0.032 χ^2/NDF:1849585.4/16

Out: 109.333+/-0.031 χ^2/NDF:3250201.5/19

All: 110.877+/-0.022 χ^2/NDF: 5104812.6/36

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.101+/-0.141 χ^2/NDF:2.1/1

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.164+/-0.141 χ^2/NDF:0.0/0

Left: -0.031+/-0.100 χ^2/NDF: 3.9/2

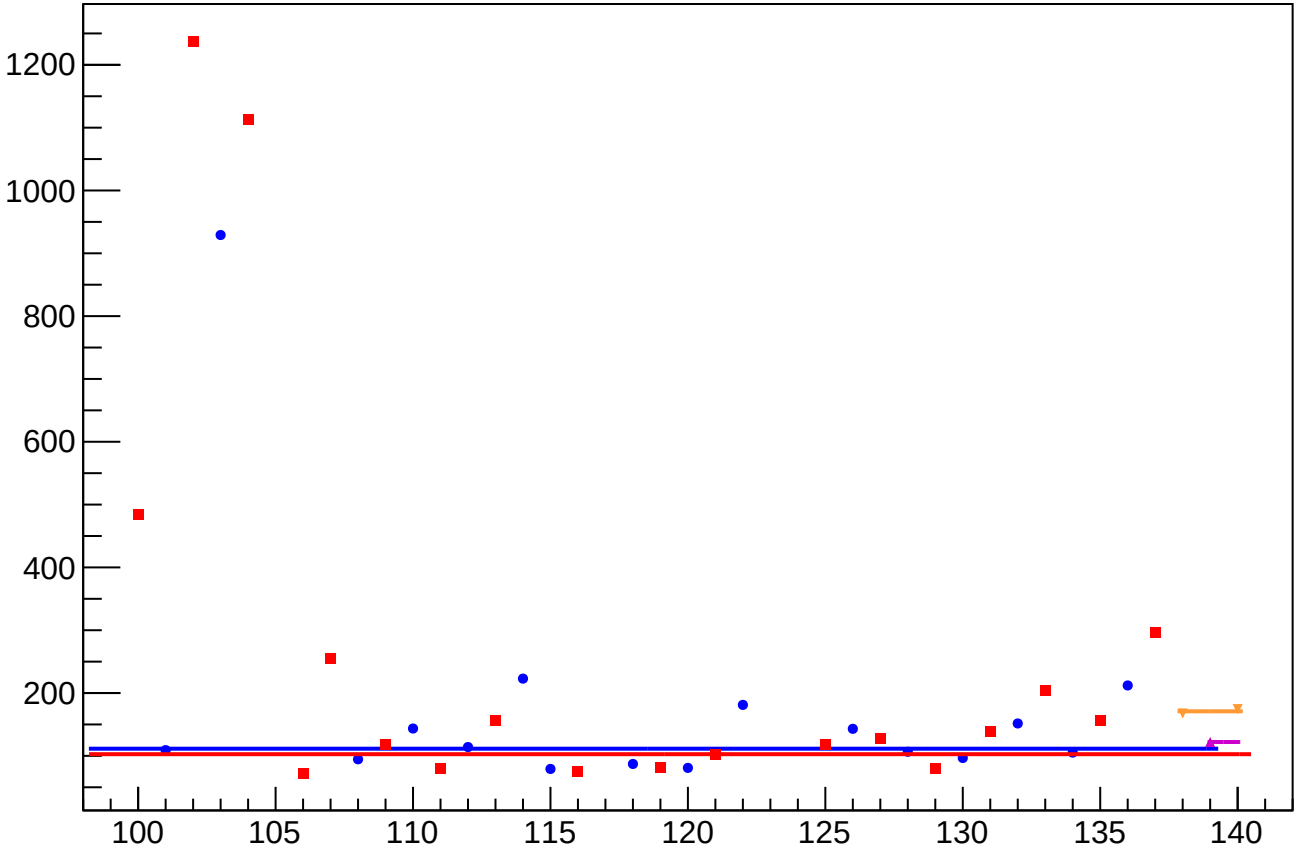
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.035+/-0.045 χ^2/NDF:16.6/16

Out: -0.043+/-0.044 χ^2/NDF:20.1/19

All: -0.039+/-0.032 χ^2/NDF: 36.7/36

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 170.917+/-0.100 χ^2/NDF:1188.9/1

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 122.060+/-0.100 χ^2/NDF:0.0/0

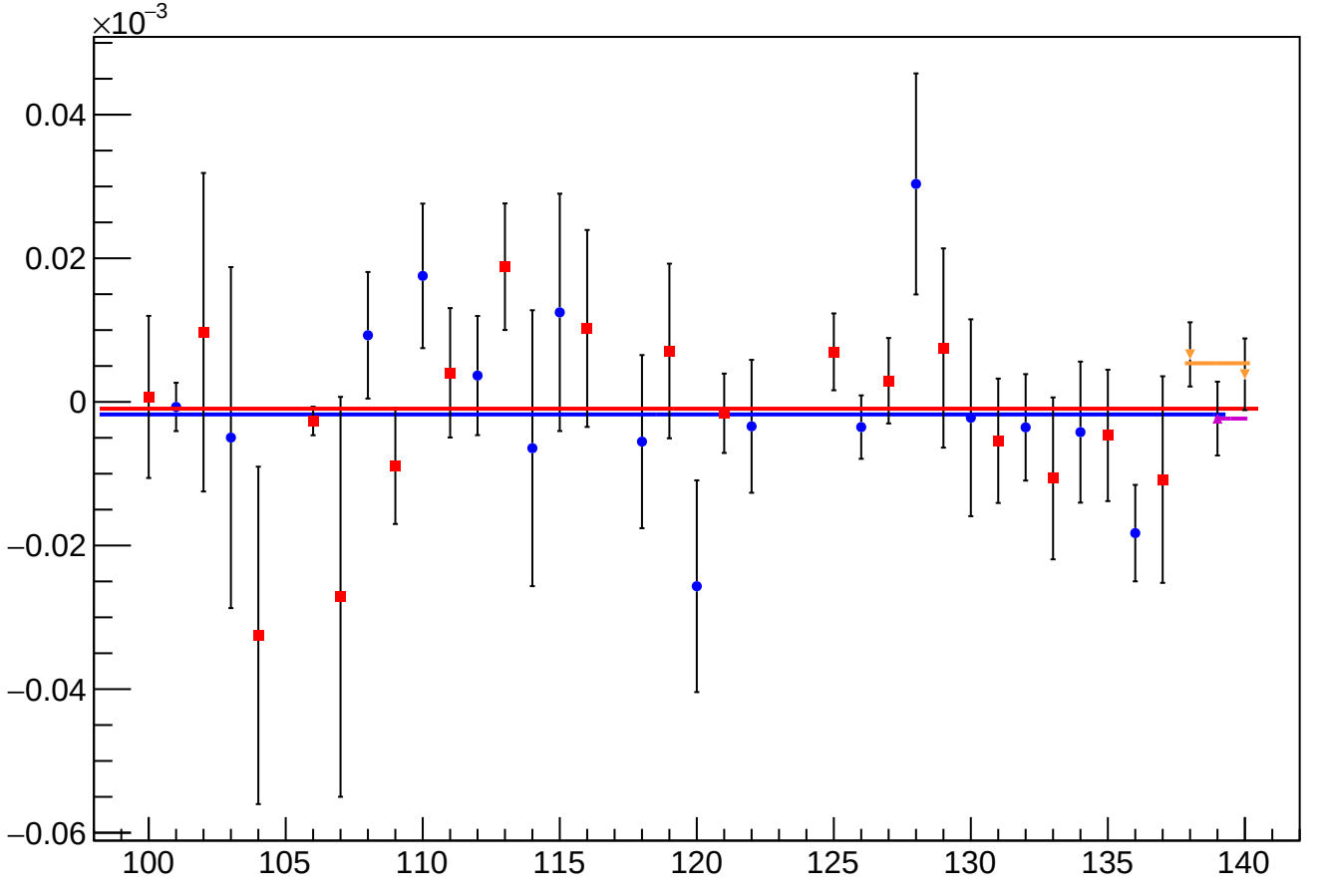
Left: 146.502+/-0.071 χ^2/NDF: 121011.0/2

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 112.495+/-0.032 χ^2/NDF:1849585.4/16

Out: 109.333+/-0.031 χ^2/NDF:3250201.5/19

All: 110.877+/-0.022 χ^2/NDF: 5104812.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

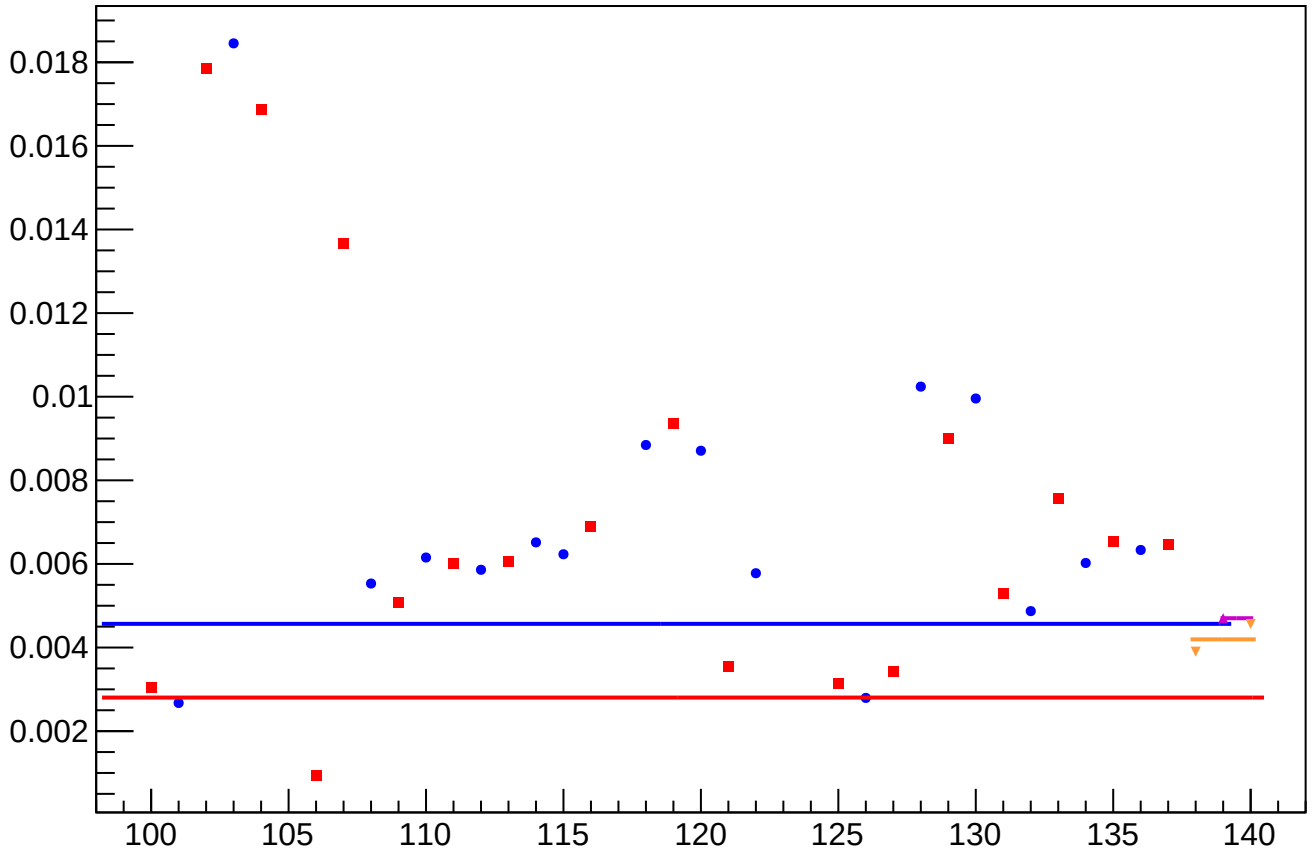
Left: 0.000+/-0.000 χ^2/NDF: 1.8/2

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: -0.000+/-0.000 χ^2/NDF:20.0/16

Out: 0.000+/-0.000 χ^2/NDF:18.9/19

All: -0.000+/-0.000 χ^2/NDF: 39.7/36



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:19539.5/1

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.005+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 33196.2/2

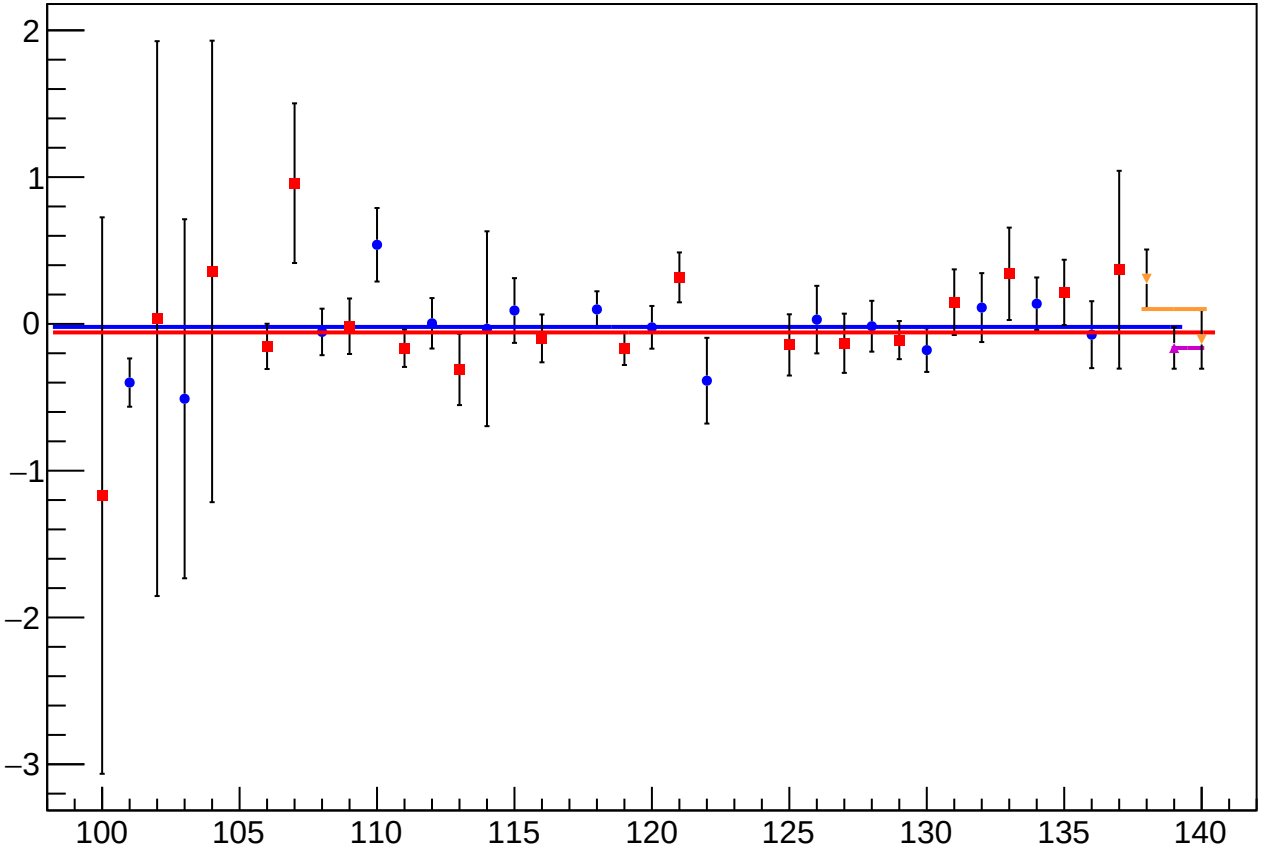
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.005+/-0.000 χ^2/NDF:3013461.2/16

Out: 0.003+/-0.000 χ^2/NDF:6921798.2/19

All: 0.004+/-0.000 χ^2/NDF: 10880296.2/36

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.101+/-0.141 χ^2/NDF:2.1/1

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.164+/-0.141 χ^2/NDF:0.0/0

Left: -0.031+/-0.100 χ^2/NDF: 3.9/2

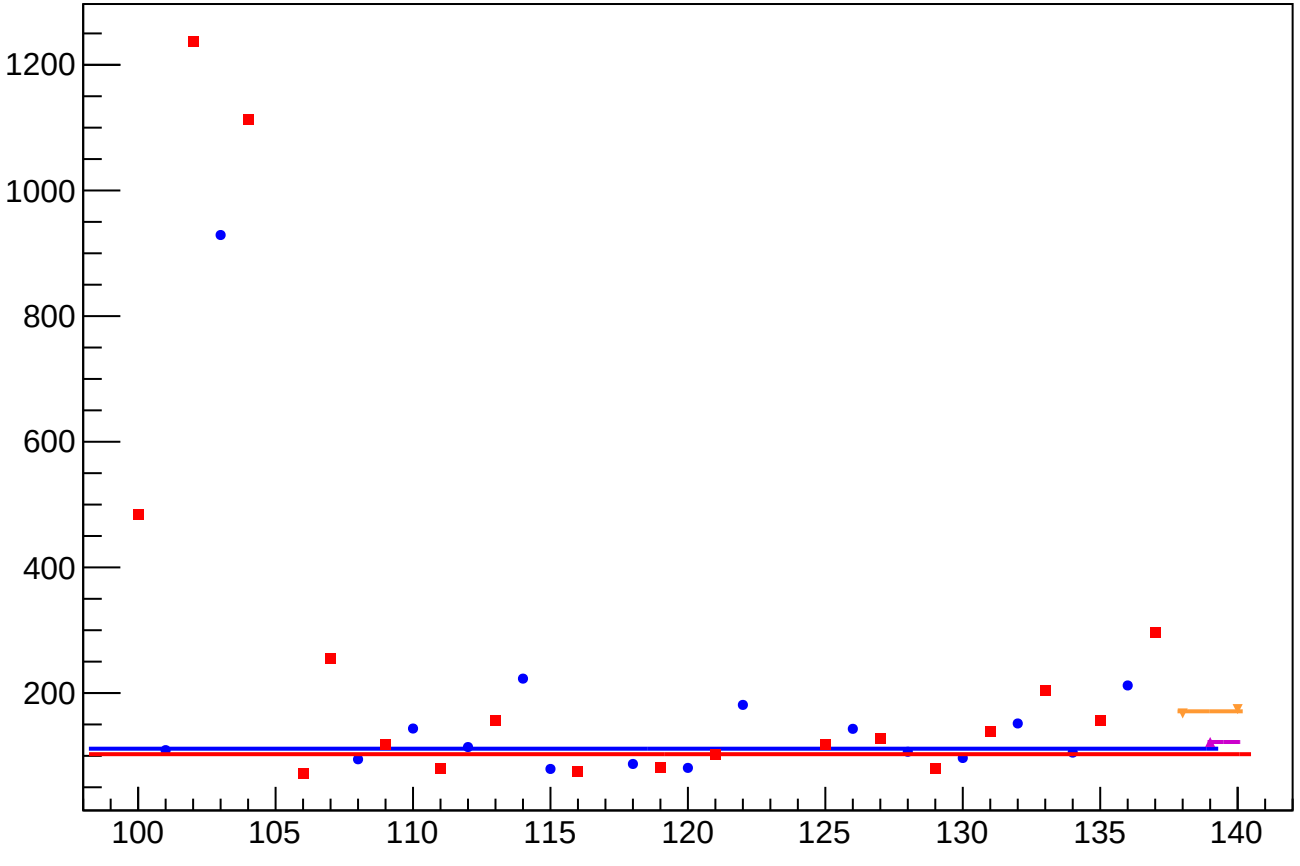
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.035+/-0.045 χ^2/NDF:16.6/16

Out: -0.043+/-0.044 χ^2/NDF:20.1/19

All: -0.039+/-0.032 χ^2/NDF: 36.7/36

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: 170.917+/-0.100 χ^2/NDF:1188.4/1

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 122.061+/-0.100 χ^2/NDF:0.0/0

Left: 146.502+/-0.071 χ^2/NDF: 121002.2/2

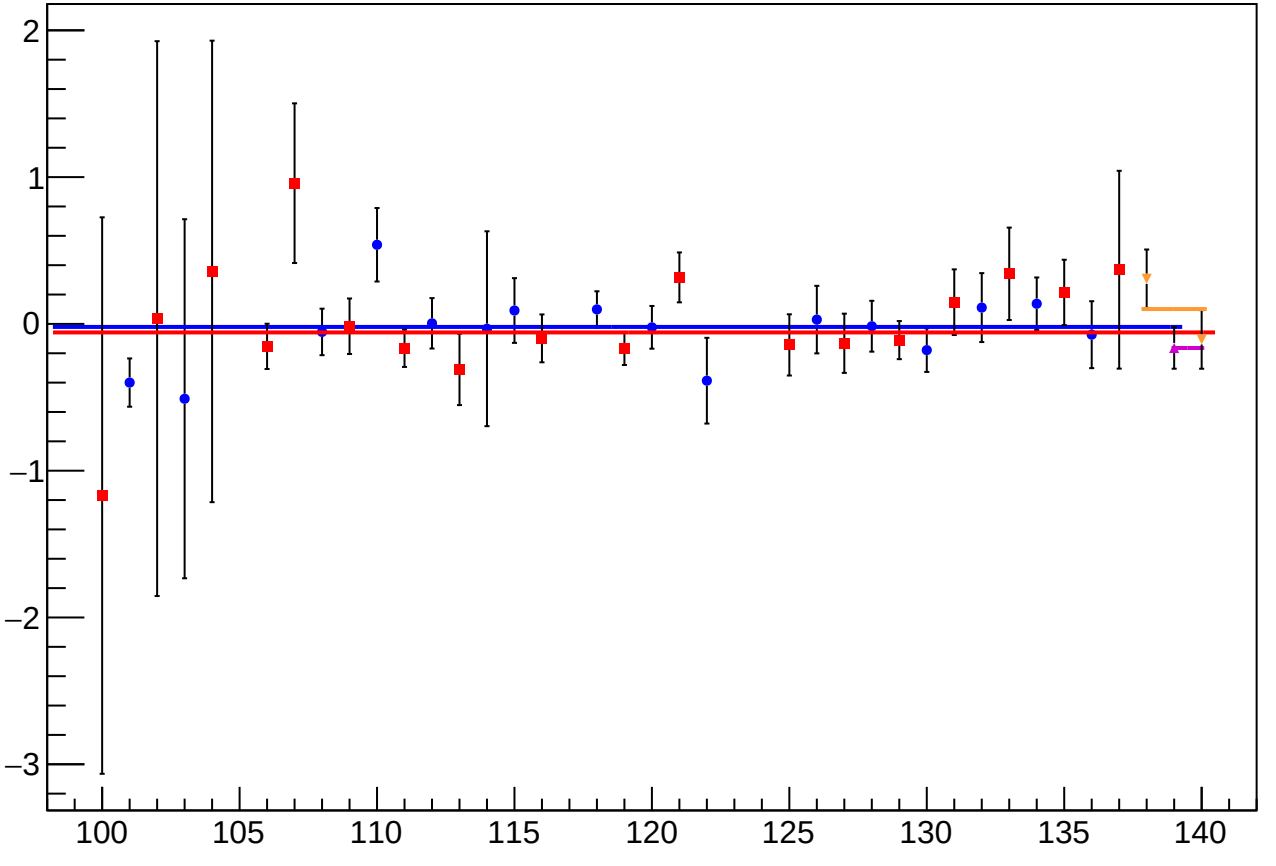
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 112.493+/-0.032 χ^2/NDF:1849639.0/16

Out: 109.331+/-0.031 χ^2/NDF:3250216.1/19

All: 110.875+/-0.022 χ^2/NDF: 5104878.6/36

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.101+/-0.141 χ^2/NDF:2.1/1

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.164+/-0.141 χ^2/NDF:0.0/0

Left: -0.031+/-0.100 χ^2/NDF: 3.9/2

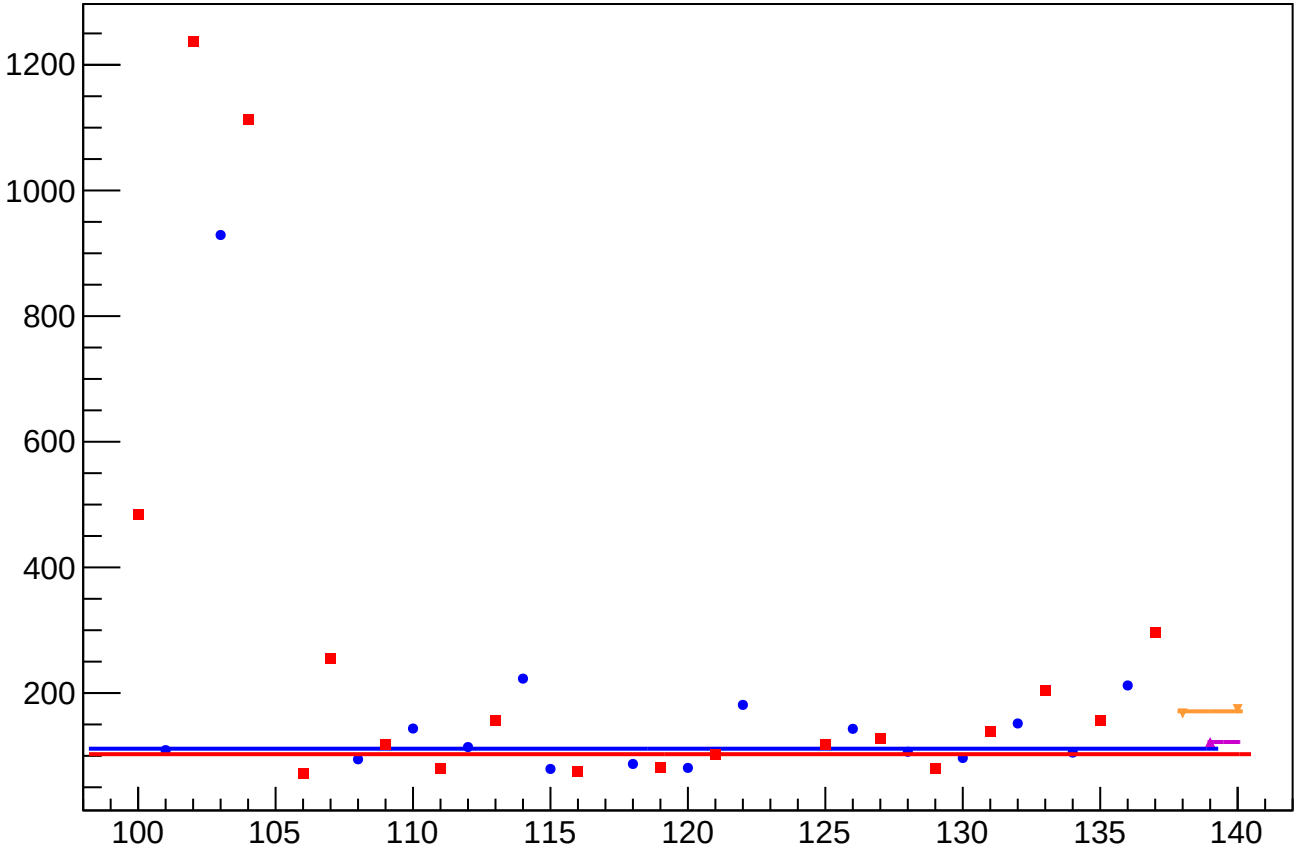
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.035+/-0.045 χ^2/NDF:16.6/16

Out: -0.043+/-0.044 χ^2/NDF:20.1/19

All: -0.039+/-0.032 χ^2/NDF: 36.7/36

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 170.917+/-0.100 χ^2/NDF:1188.4/1

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 122.061+/-0.100 χ^2/NDF:0.0/0

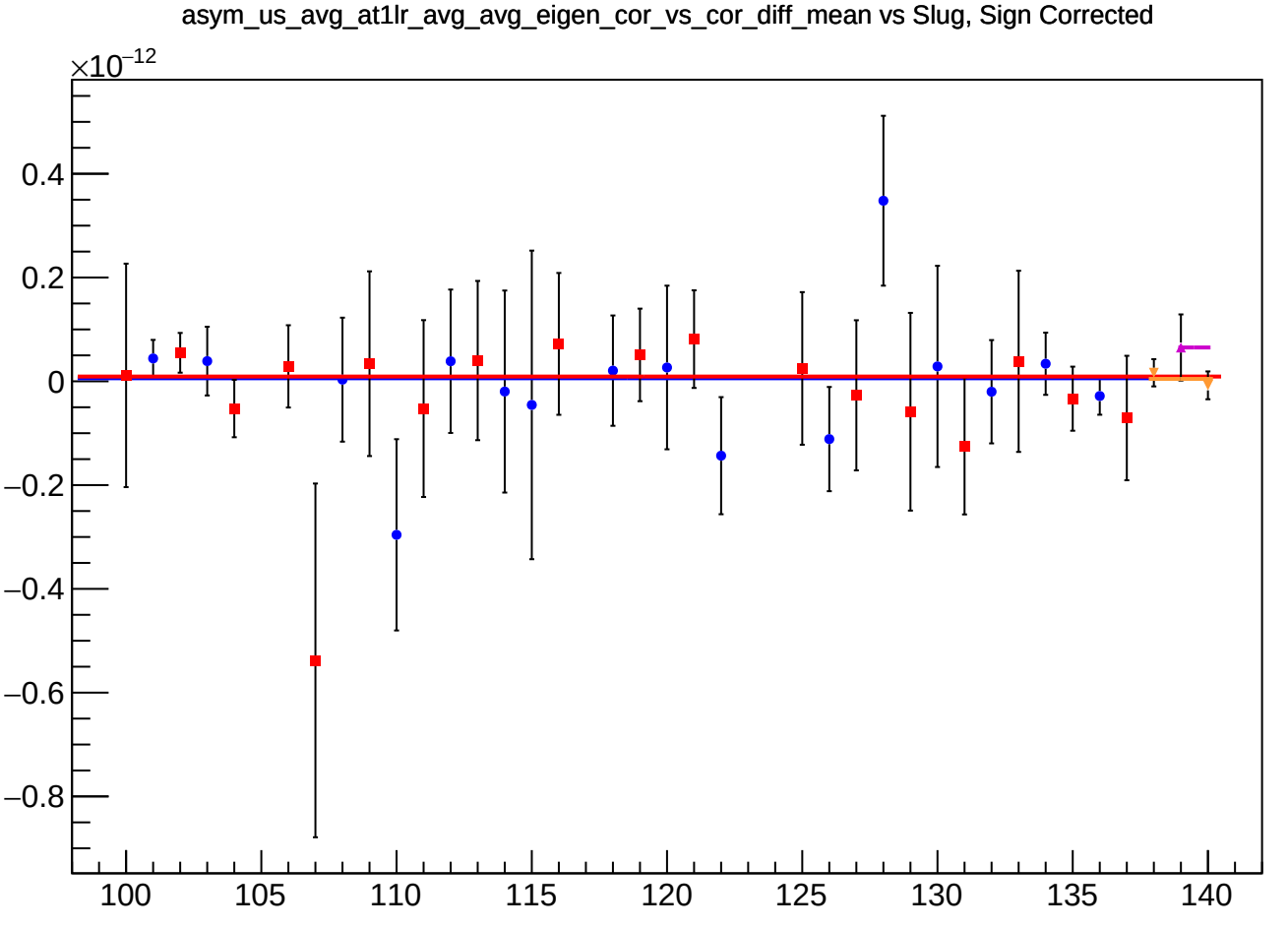
Left: 146.502+/-0.071 χ^2/NDF: 121002.2/2

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 112.493+/-0.032 χ^2/NDF:1849639.0/16

Out: 109.331+/-0.031 χ^2/NDF:3250216.1/19

All: 110.875+/-0.022 χ^2/NDF: 5104878.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

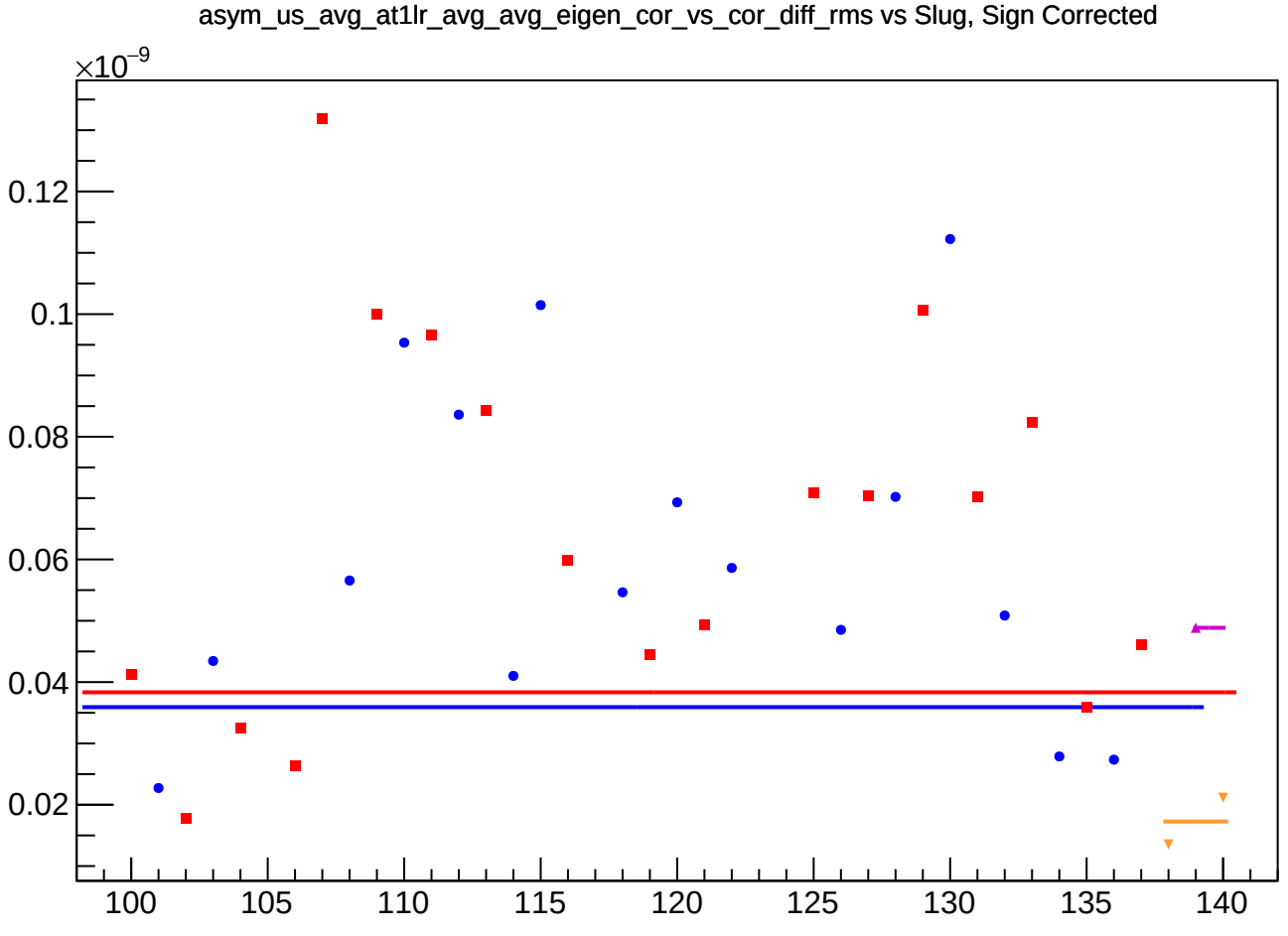
Left: 0.000+/-0.000 χ^2/NDF: 1.2/2

Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: 0.000+/-0.000 χ^2/NDF:13.7/16

Out: 0.000+/-0.000 χ^2/NDF:9.1/19

All: 0.000+/-0.000 χ^2/NDF: 22.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:82363.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 534779.6/2

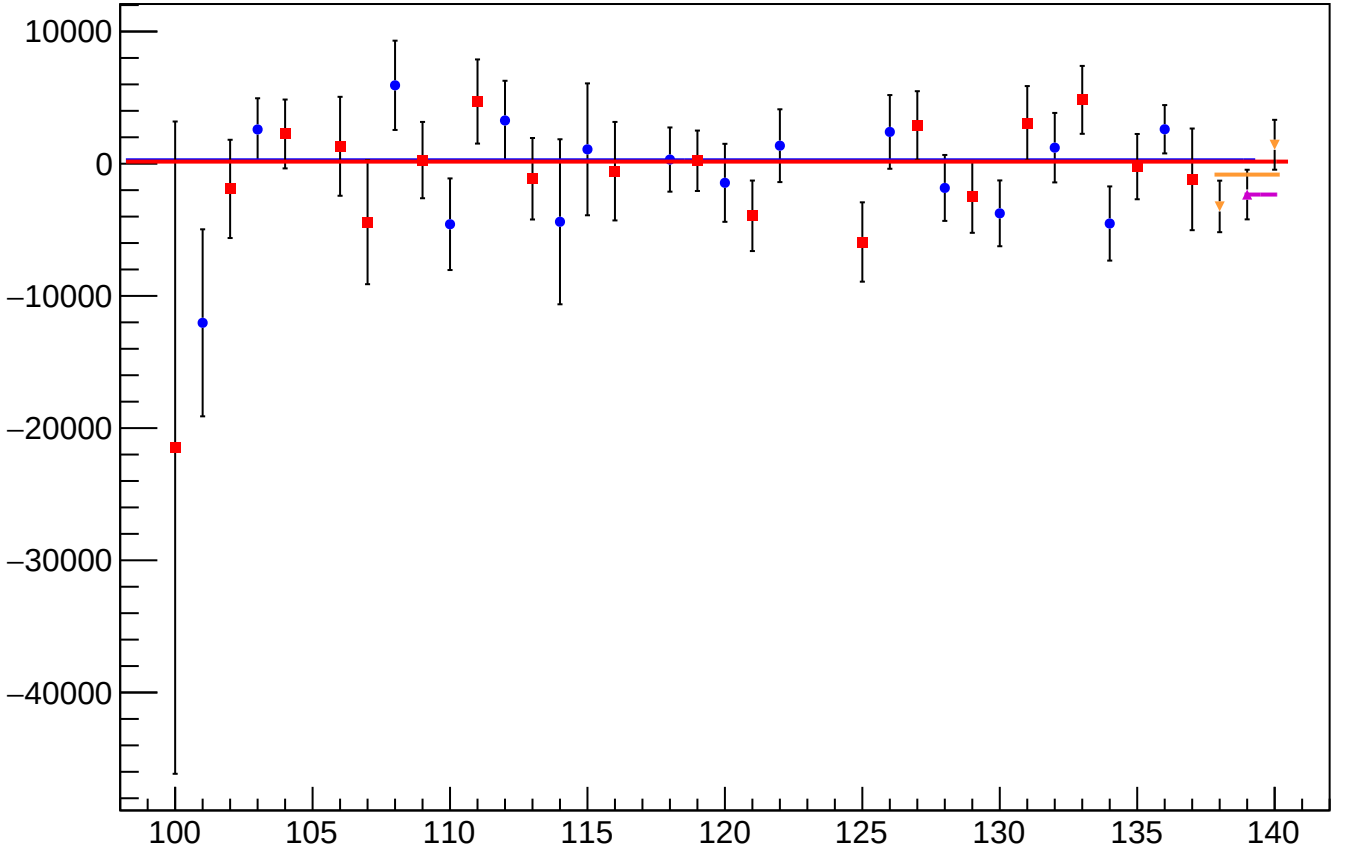
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:1834678.7/16

Out: 0.000+/-0.000 χ^2/NDF:3368616.5/19

All: 0.000+/-0.000 χ^2/NDF: 5626101.2/36

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -823.021+/-1355.477 χ^2/NDF:3.0/1

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -2333.228+/-1876.783 χ^2/NDF:0.0/0

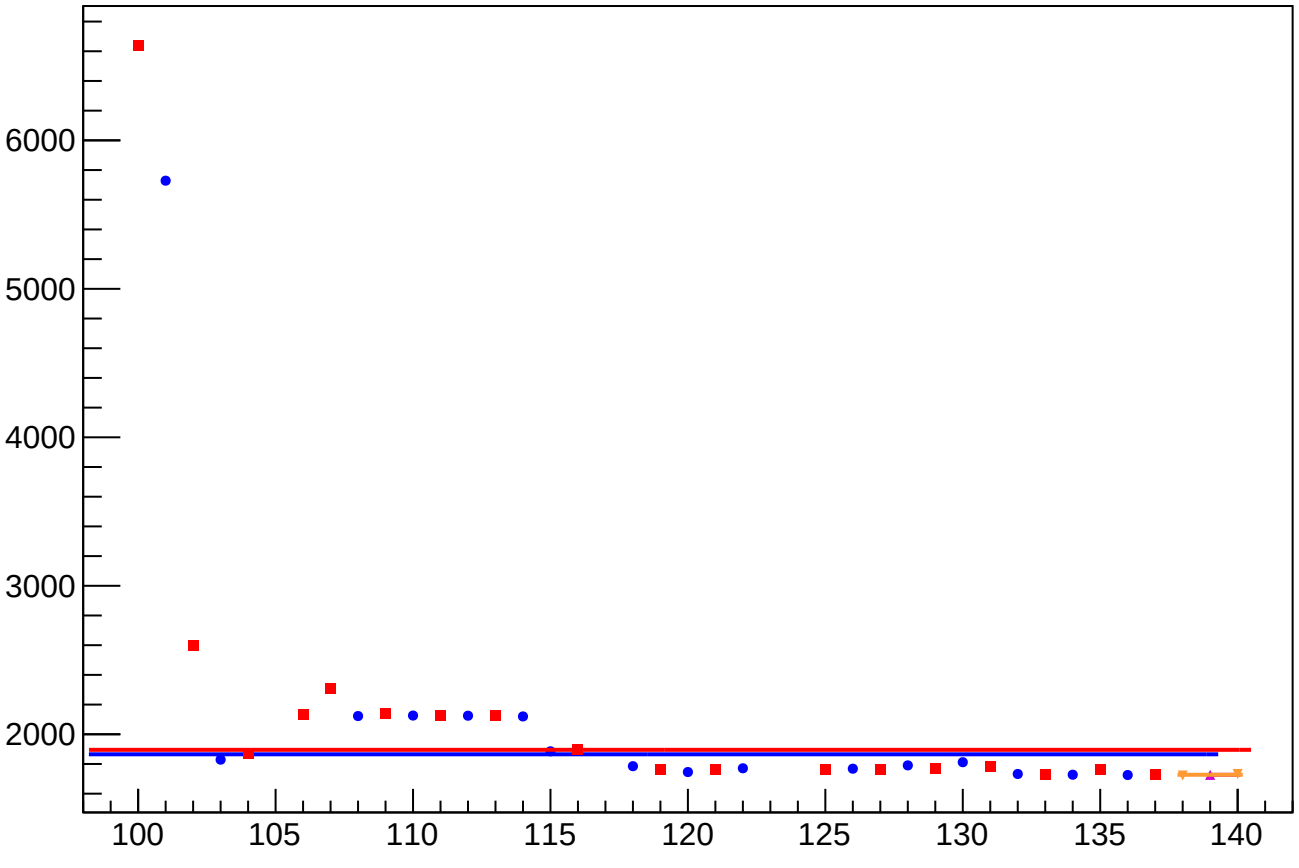
Left: -1340.730+/-1098.851 χ^2/NDF: 3.4/2

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -64.863+/-663.823 χ^2/NDF:21.1/16

Out: -53.250+/-630.550 χ^2/NDF:21.5/19

All: -58.758+/-457.176 χ^2/NDF: 42.6/36



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1727.219+/-0.958 χ^2/NDF:30.8/1

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1726.804+/-1.327 χ^2/NDF:0.0/0

Left: 1727.077+/-0.777 χ^2/NDF: 30.8/2

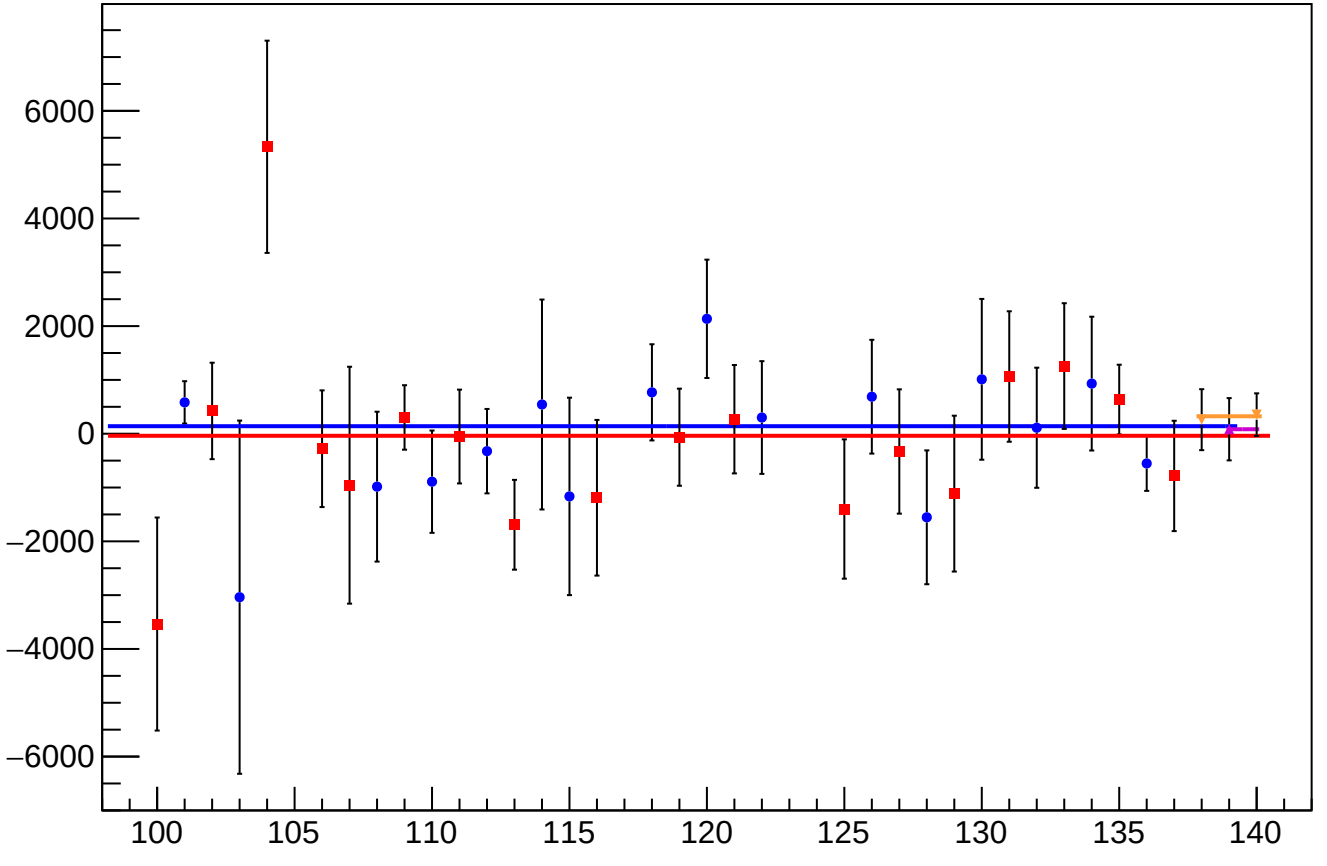
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1847.860+/-0.469 χ^2/NDF:682235.5/16

Out: 1858.888+/-0.446 χ^2/NDF:274920.6/19

All: 1853.657+/-0.323 χ^2/NDF: 957446.3/36

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: 324.019+/-324.367 χ^2/NDF:0.0/1

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 83.216+/-578.590 χ^2/NDF:0.0/0

Left: 266.435+/-282.938 χ^2/NDF: 0.2/2

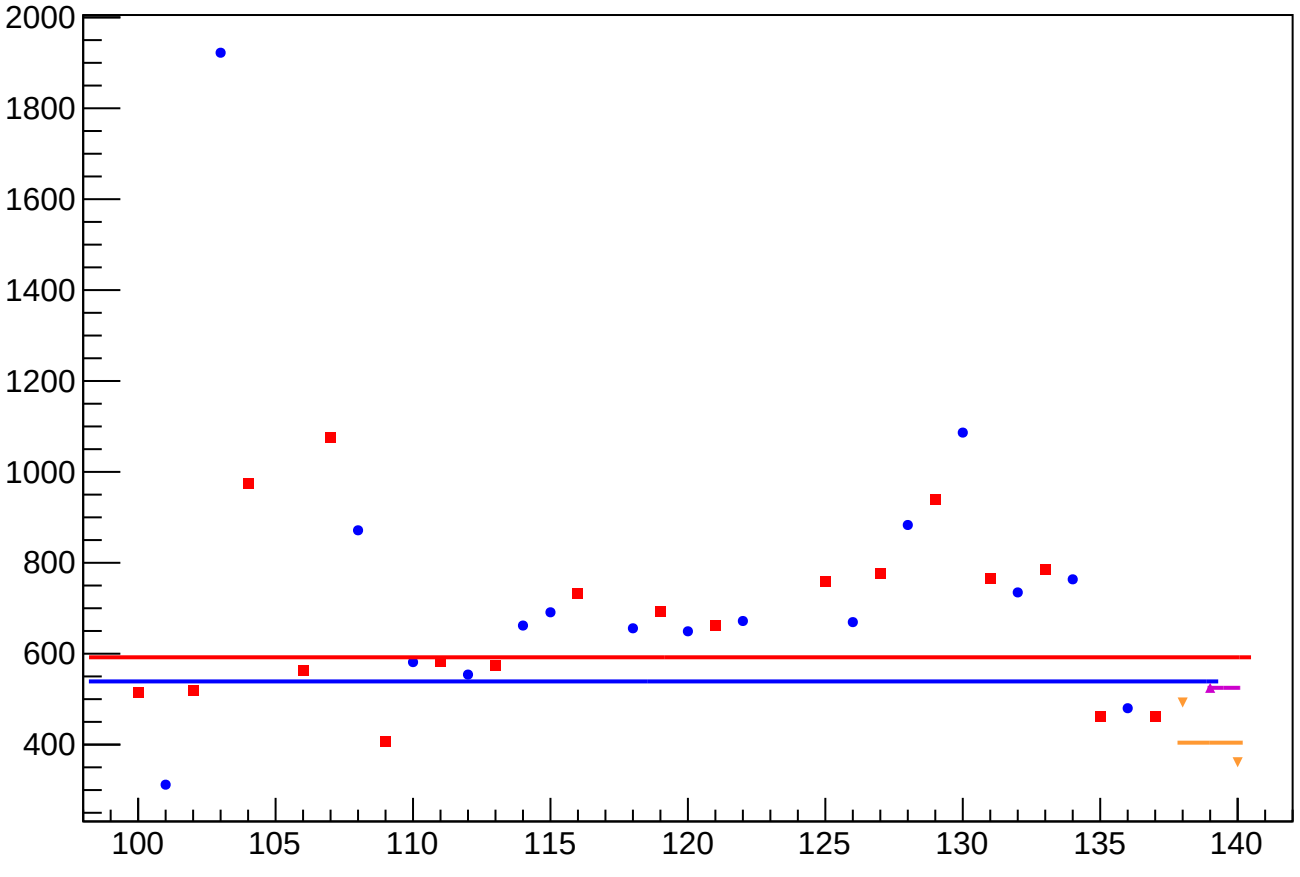
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 132.646+/-205.718 χ^2/NDF:13.5/16

Out: 88.459+/-192.020 χ^2/NDF:22.2/19

All: 109.033+/-140.372 χ^2/NDF: 35.7/36

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 404.260+/-0.229 χ^2/NDF:72410.0/1

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 524.945+/-0.409 χ^2/NDF:0.0/0

Left: 433.120+/-0.200 χ^2/NDF: 138617.0/2

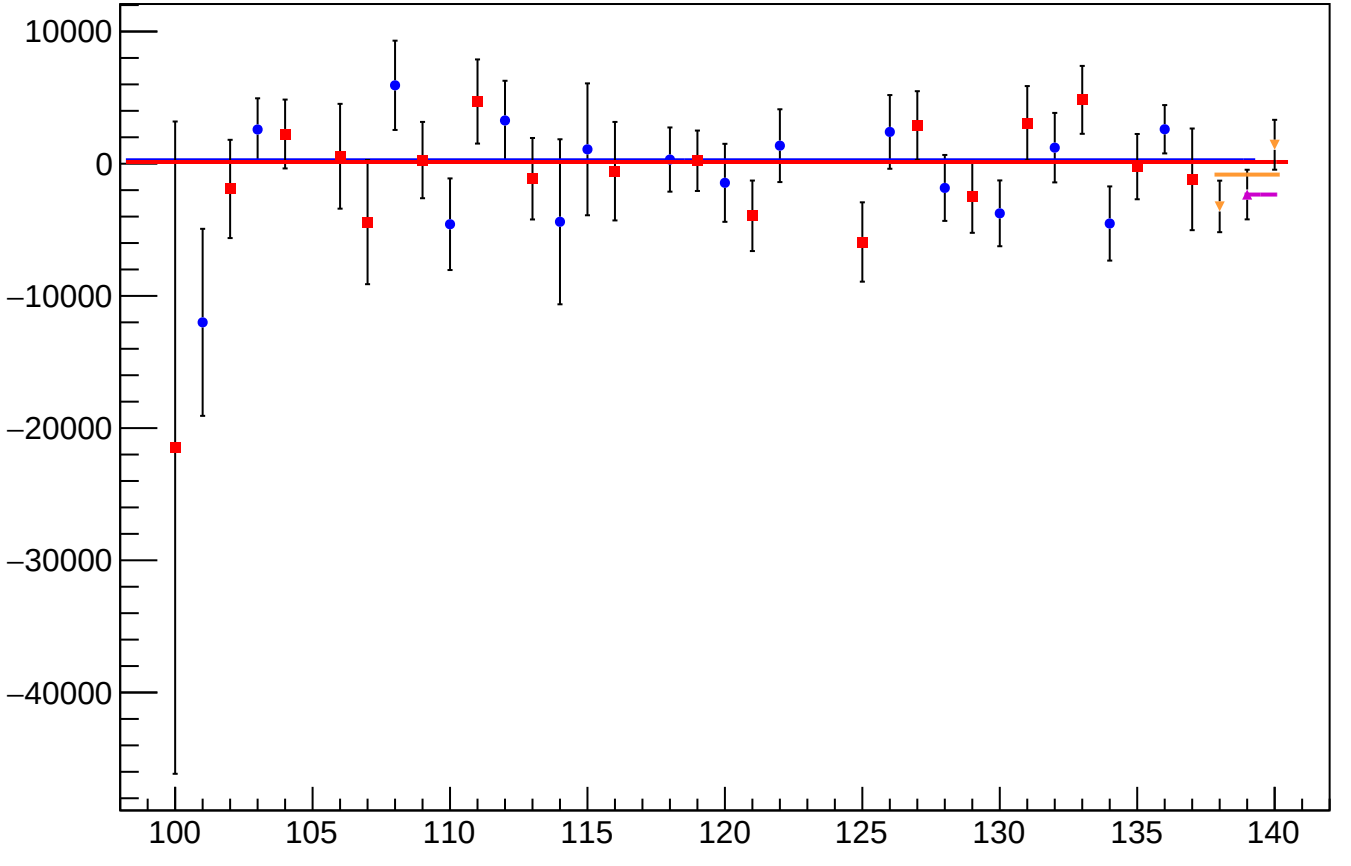
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 537.237+/-0.145 χ^2/NDF:1855609.9/16

Out: 526.273+/-0.136 χ^2/NDF:1351141.9/19

All: 531.378+/-0.099 χ^2/NDF: 3209787.9/36

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: -822.953+/-1355.477 χ^2/NDF:3.0/1

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -2333.615+/-1876.783 χ^2/NDF:0.0/0

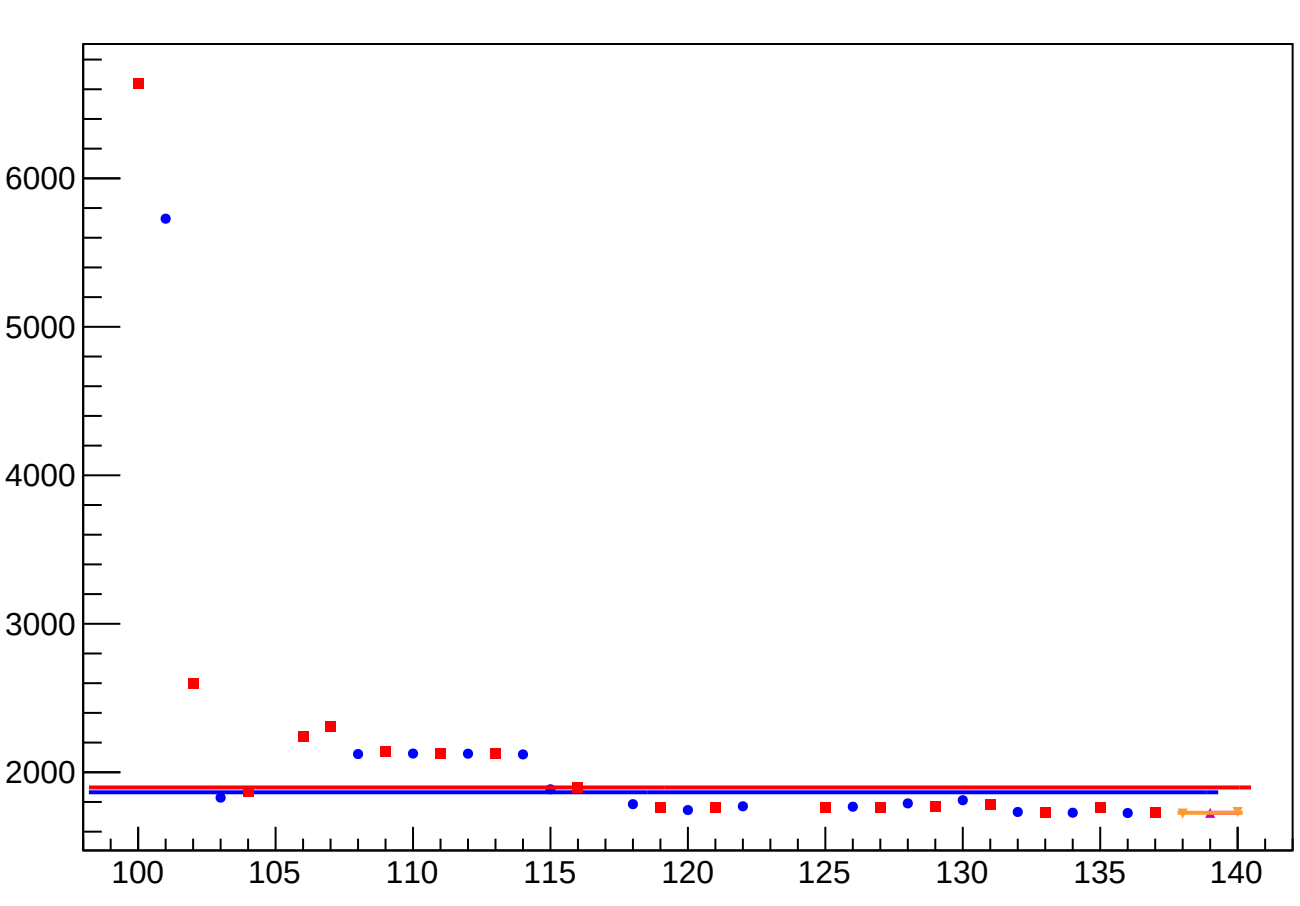
Left: -1340.818+/-1098.851 χ^2/NDF: 3.4/2

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -64.748+/-663.823 χ^2/NDF:21.1/16

Out: -76.819+/-631.527 χ^2/NDF:21.3/19

All: -71.084+/-457.548 χ^2/NDF: 42.4/36



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1727.219+/-0.958 χ^2/NDF:30.8/1

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1726.804+/-1.327 χ^2/NDF:0.0/0

Left: 1727.077+/-0.777 χ^2/NDF: 30.8/2

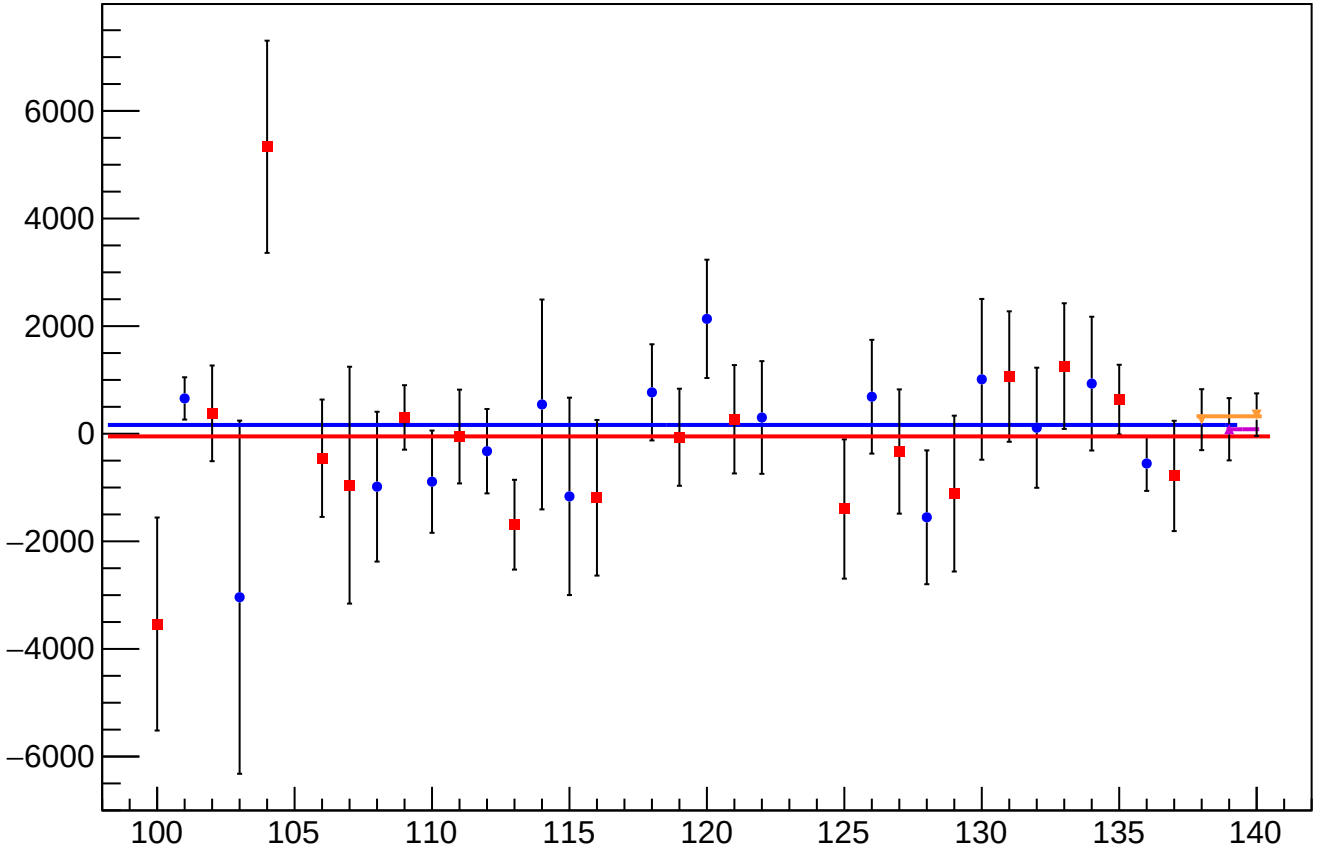
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1847.860+/-0.469 χ^2/NDF:682235.5/16

Out: 1860.694+/-0.447 χ^2/NDF:282535.4/19

All: 1854.597+/-0.324 χ^2/NDF: 965163.3/36

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 324.061+/-324.370 χ^2/NDF:0.0/1

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 83.118+/-578.565 χ^2/NDF:0.0/0

Left: 266.439+/-282.937 χ^2/NDF: 0.2/2

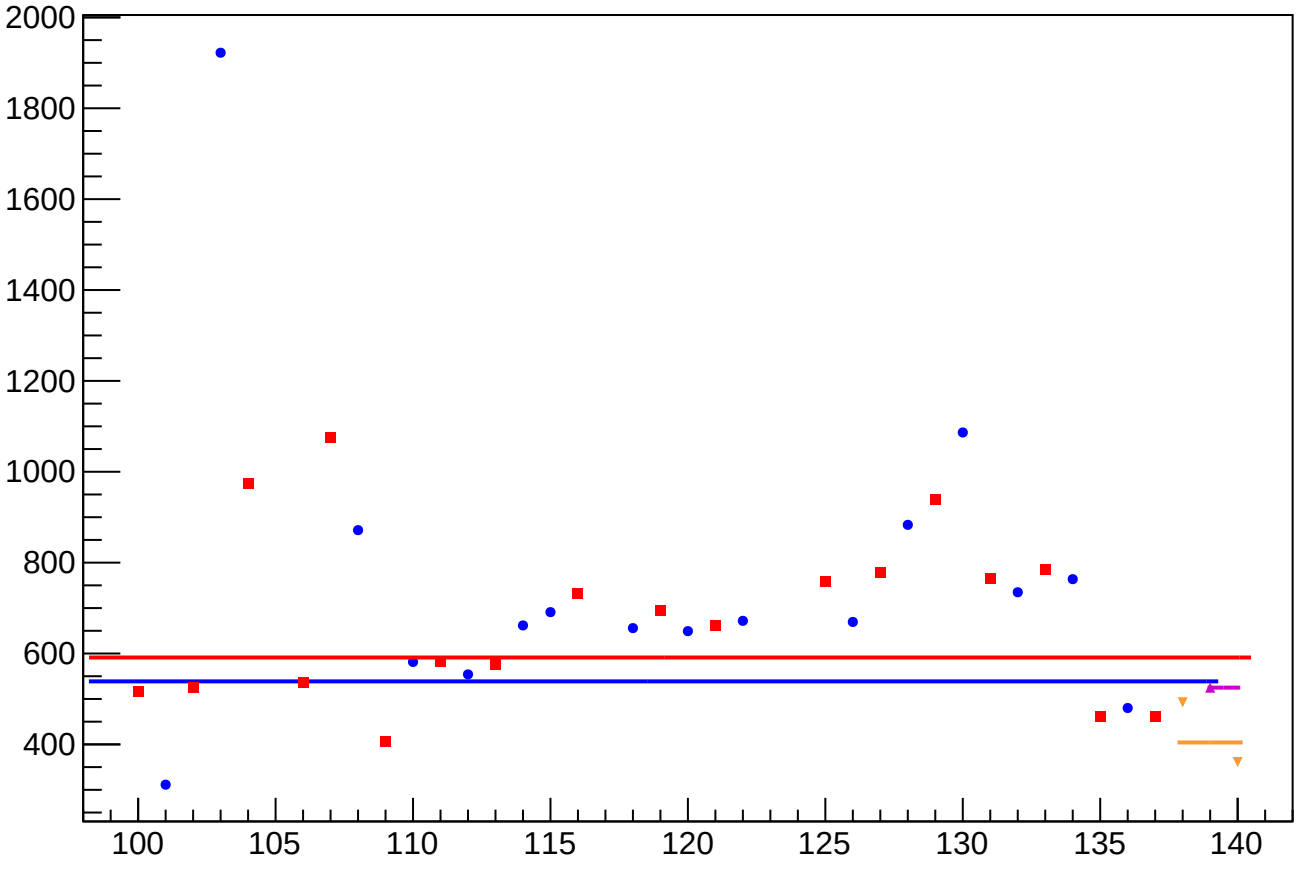
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 153.037+/-205.655 χ^2/NDF:13.9/16

Out: 81.295+/-191.992 χ^2/NDF:22.3/19

All: 114.704+/-140.341 χ^2/NDF: 36.3/36

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 404.266+/-0.229 χ^2/NDF:72418.2/1

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 524.922+/-0.409 χ^2/NDF:0.0/0

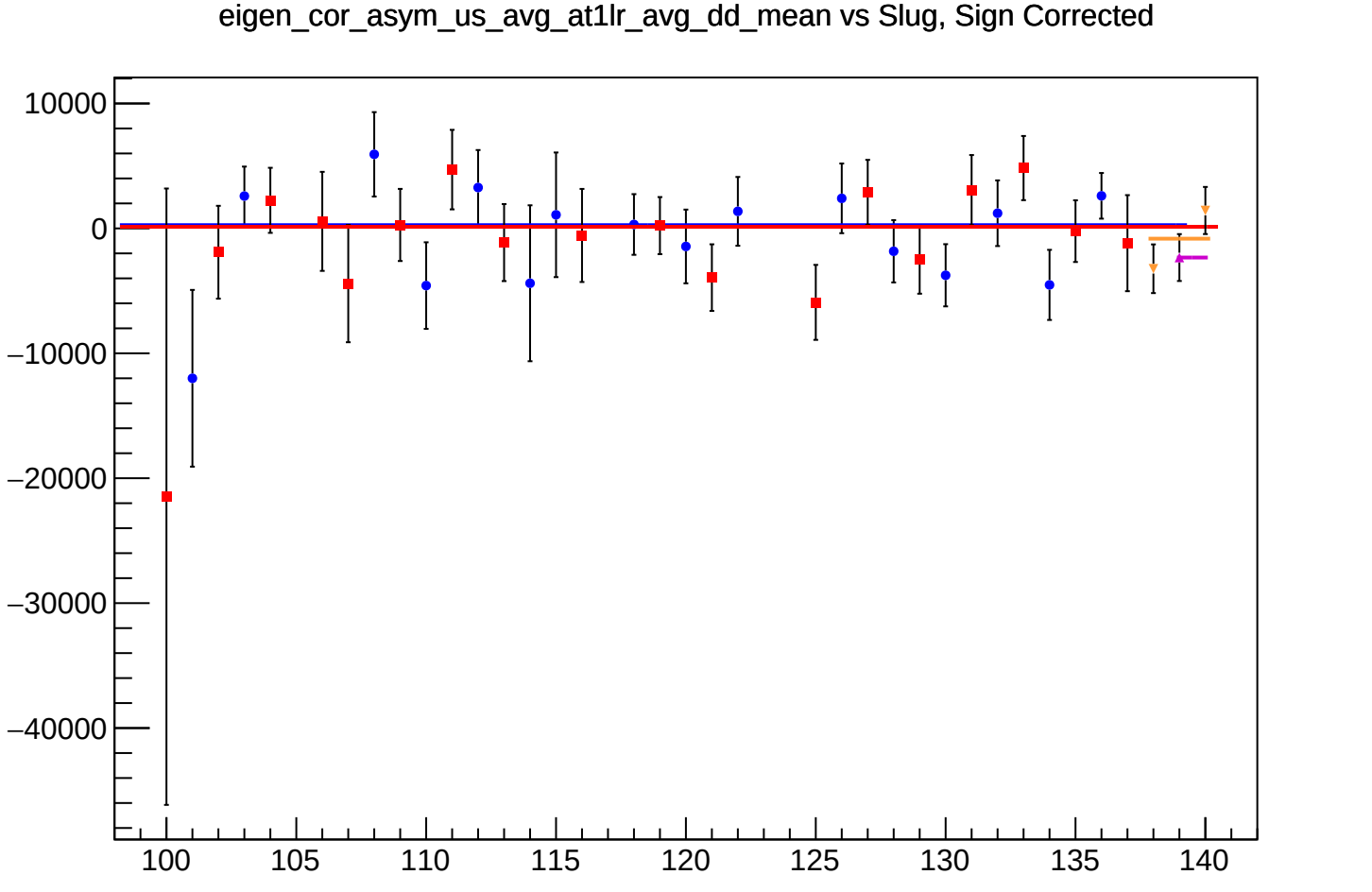
Left: 433.121+/-0.200 χ^2/NDF: 138597.3/2

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 536.962+/-0.145 χ^2/NDF:1859884.2/16

Out: 525.737+/-0.136 χ^2/NDF:1348679.3/19

All: 530.965+/-0.099 χ^2/NDF: 3211747.0/36



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -822.953+/-1355.477 χ^2/NDF:3.0/1

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -2333.615+/-1876.783 χ^2/NDF:0.0/0

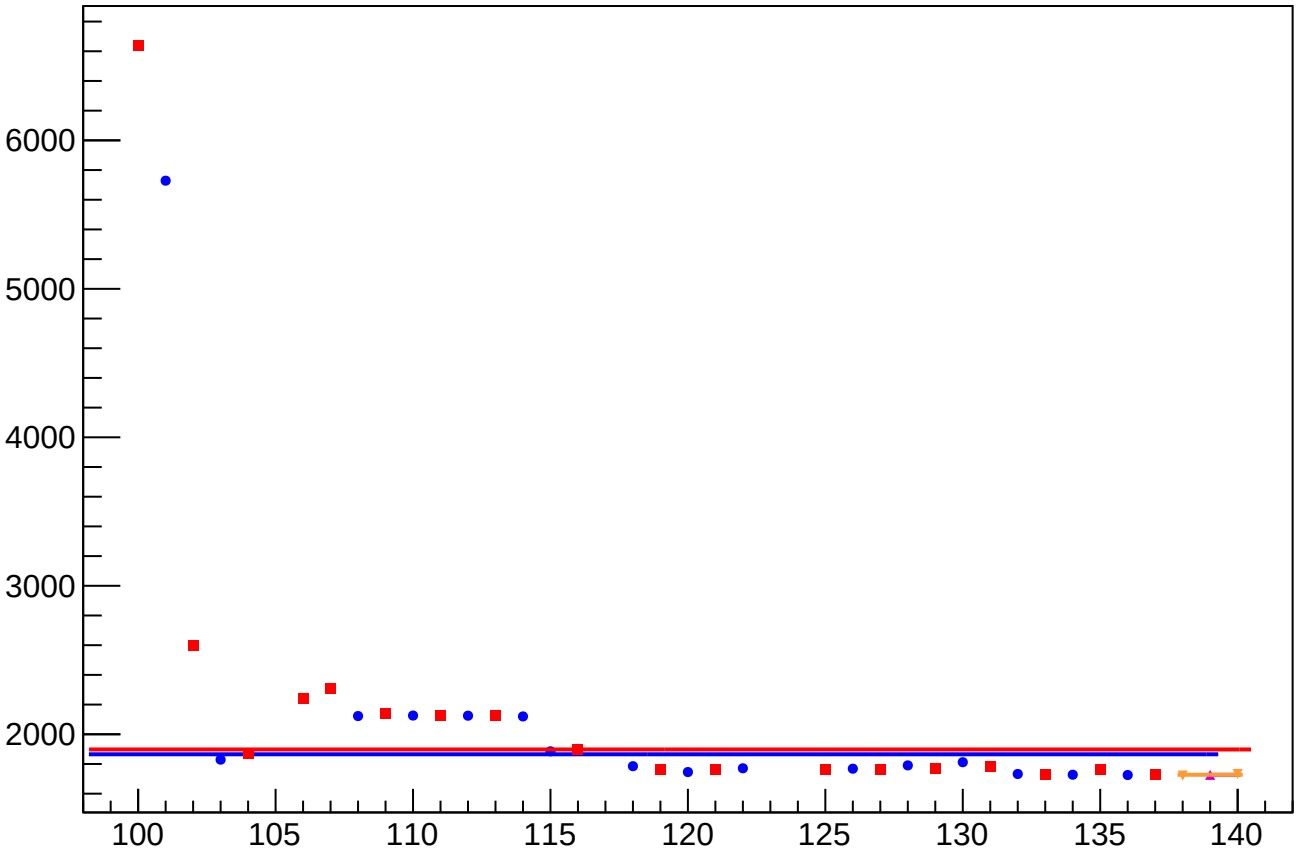
Left: -1340.818+/-1098.851 χ^2/NDF: 3.4/2

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -64.748+/-663.823 χ^2/NDF:21.1/16

Out: -76.819+/-631.527 χ^2/NDF:21.3/19

All: -71.084+/-457.548 χ^2/NDF: 42.4/36



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1727.219+/-0.958 χ^2/NDF:30.8/1

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1726.804+/-1.327 χ^2/NDF:0.0/0

Left: 1727.077+/-0.777 χ^2/NDF: 30.8/2

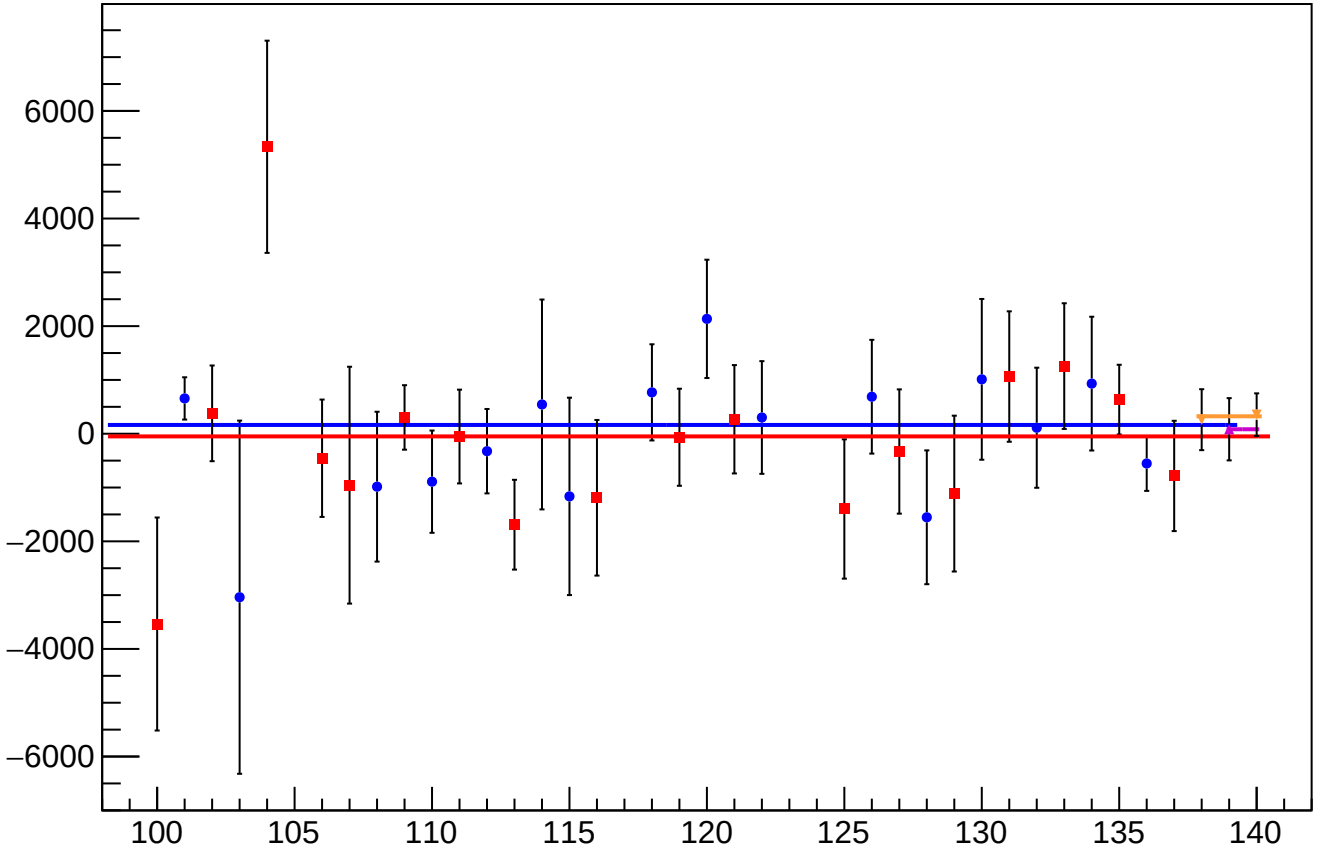
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1847.860+/-0.469 χ^2/NDF:682235.5/16

Out: 1860.694+/-0.447 χ^2/NDF:282535.4/19

All: 1854.597+/-0.324 χ^2/NDF: 965163.3/36

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 324.061+/-324.370 χ^2/NDF:0.0/1

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 83.118+/-578.565 χ^2/NDF:0.0/0

Left: 266.439+/-282.937 χ^2/NDF: 0.2/2

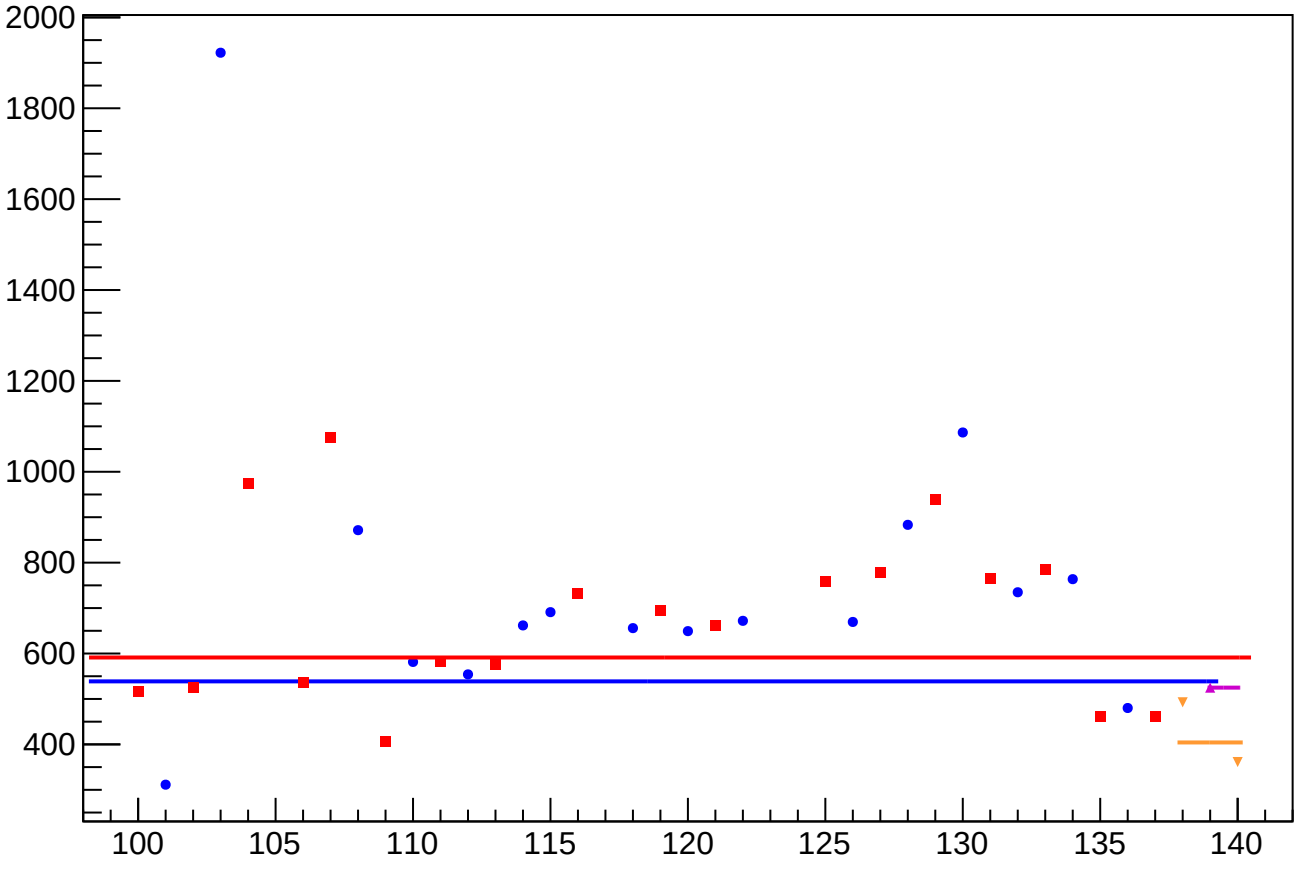
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 153.037+/-205.655 χ^2/NDF:13.9/16

Out: 81.295+/-191.992 χ^2/NDF:22.3/19

All: 114.704+/-140.341 χ^2/NDF: 36.3/36

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 404.266+/-0.229 χ^2/NDF:72418.2/1

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 524.922+/-0.409 χ^2/NDF:0.0/0

Left: 433.121+/-0.200 χ^2/NDF: 138597.3/2

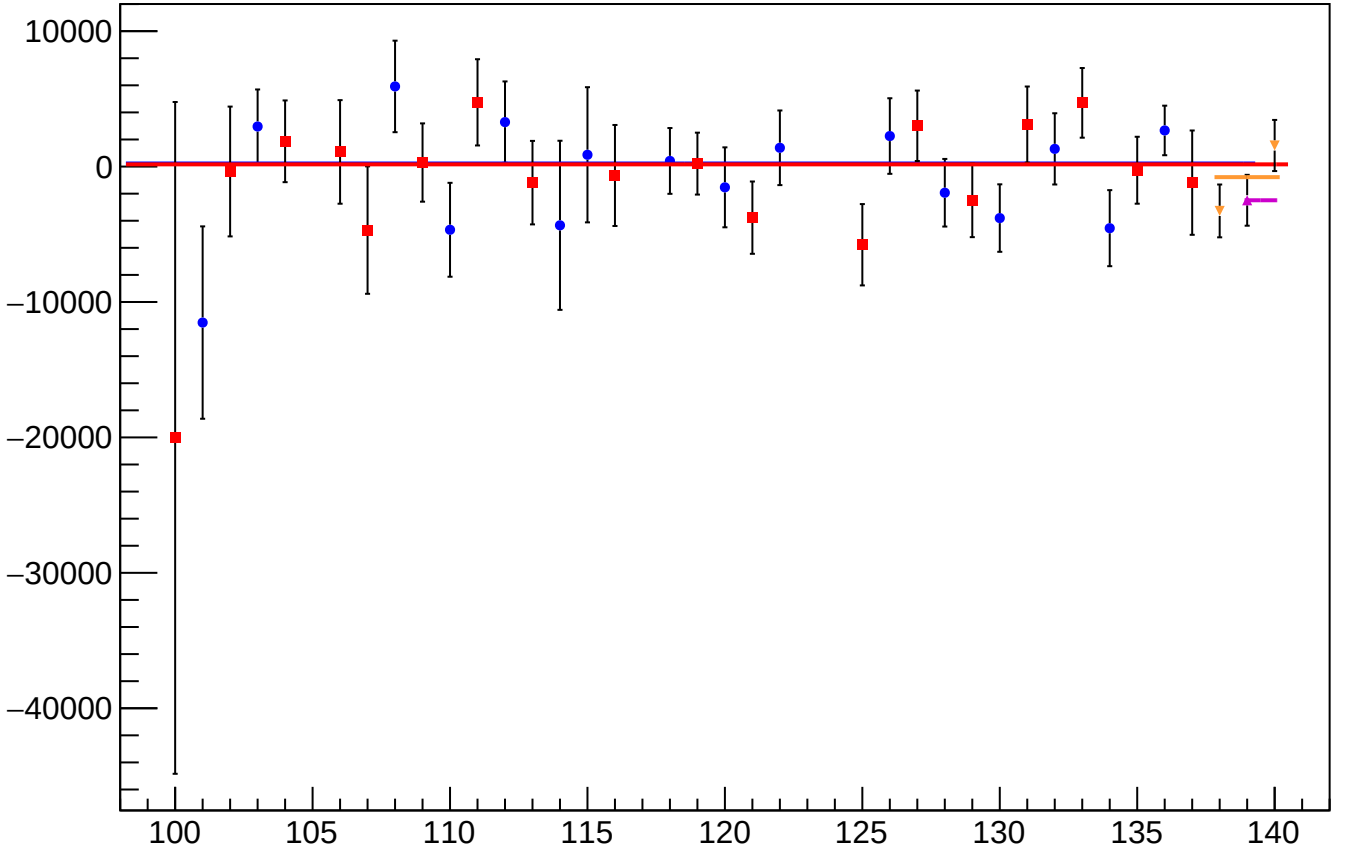
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 536.962+/-0.145 χ^2/NDF:1859884.2/16

Out: 525.737+/-0.136 χ^2/NDF:1348679.3/19

All: 530.965+/-0.099 χ^2/NDF: 3211747.0/36

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -780.453+/-1356.337 χ^2/NDF:3.2/1

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -2488.131+/-1878.423 χ^2/NDF:0.0/0

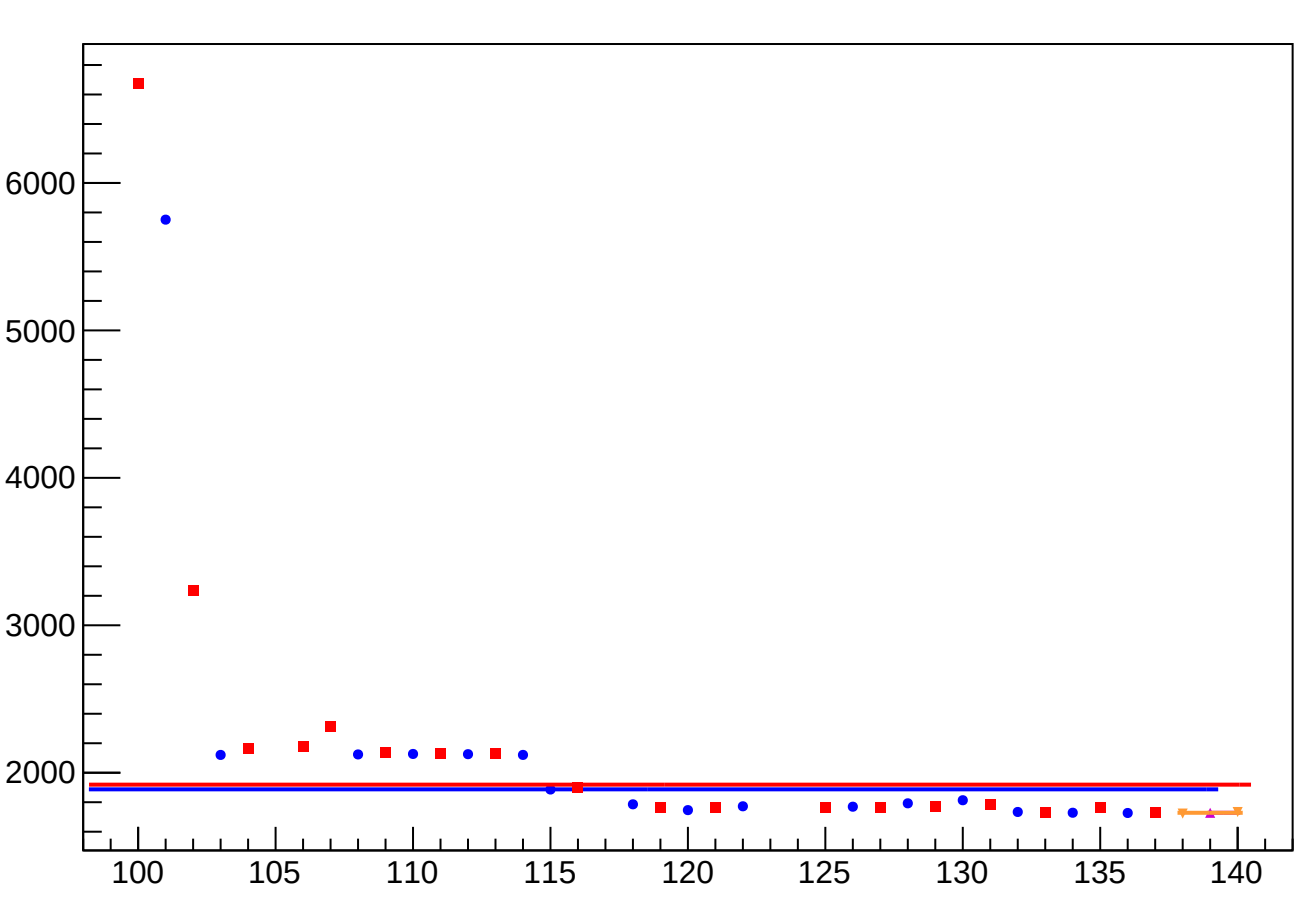
Left: -1365.673+/-1099.638 χ^2/NDF: 3.7/2

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -120.264+/-671.128 χ^2/NDF:21.2/16

Out: -46.466+/-639.936 χ^2/NDF:20.6/19

All: -81.610+/-463.138 χ^2/NDF: 41.8/36



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1728.315+/-0.959 χ^2/NDF:30.5/1

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1728.291+/-1.328 χ^2/NDF:0.0/0

Left: 1728.306+/-0.778 χ^2/NDF: 30.5/2

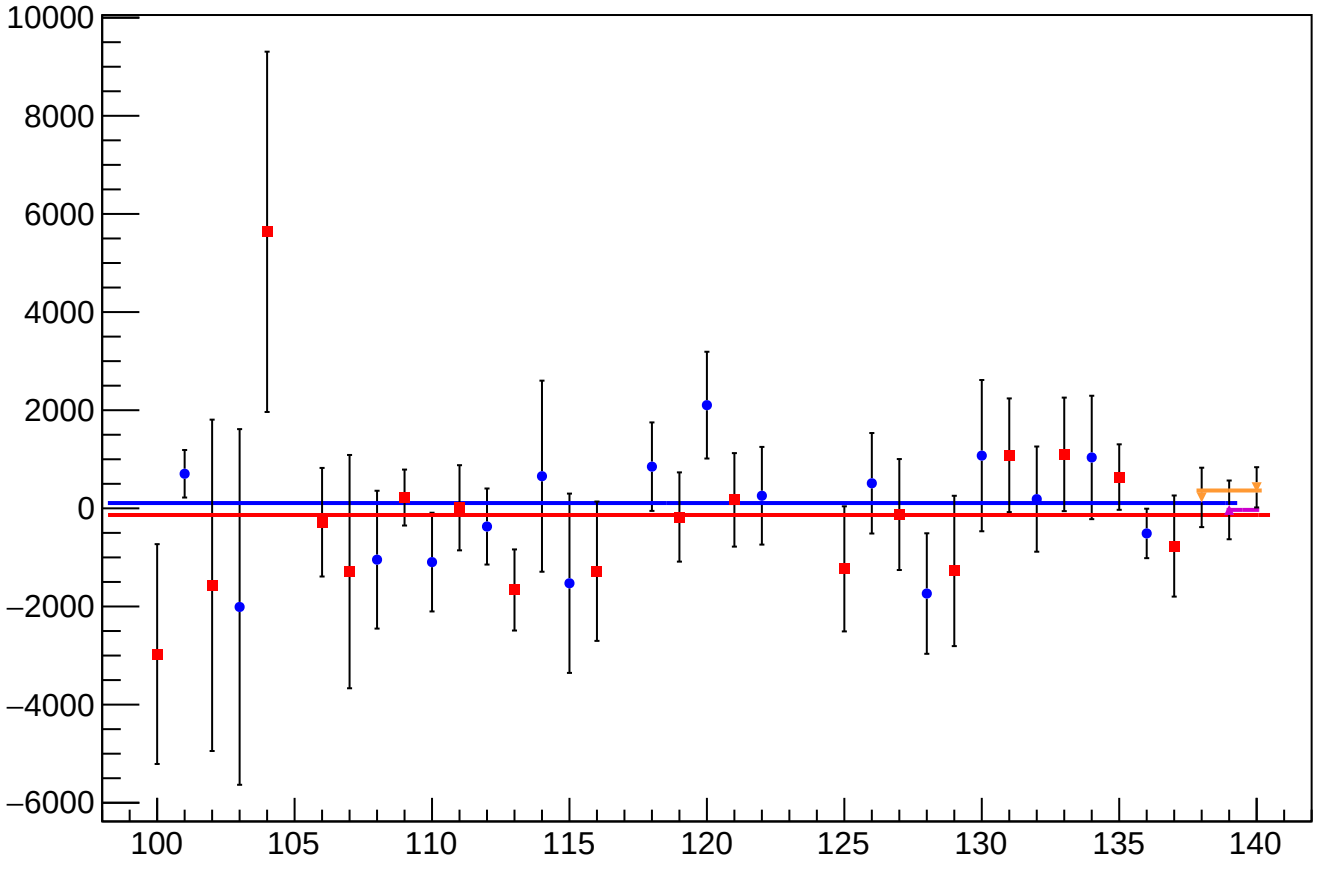
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1867.011+/-0.475 χ^2/NDF:701946.2/16

Out: 1876.680+/-0.453 χ^2/NDF:383381.1/19

All: 1872.075+/-0.327 χ^2/NDF: 1085544.7/36

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 363.798+/-339.607 χ^2/NDF:0.1/1

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -31.416+/-598.530 χ^2/NDF:0.0/0

Left: 267.548+/-295.372 χ^2/NDF: 0.4/2

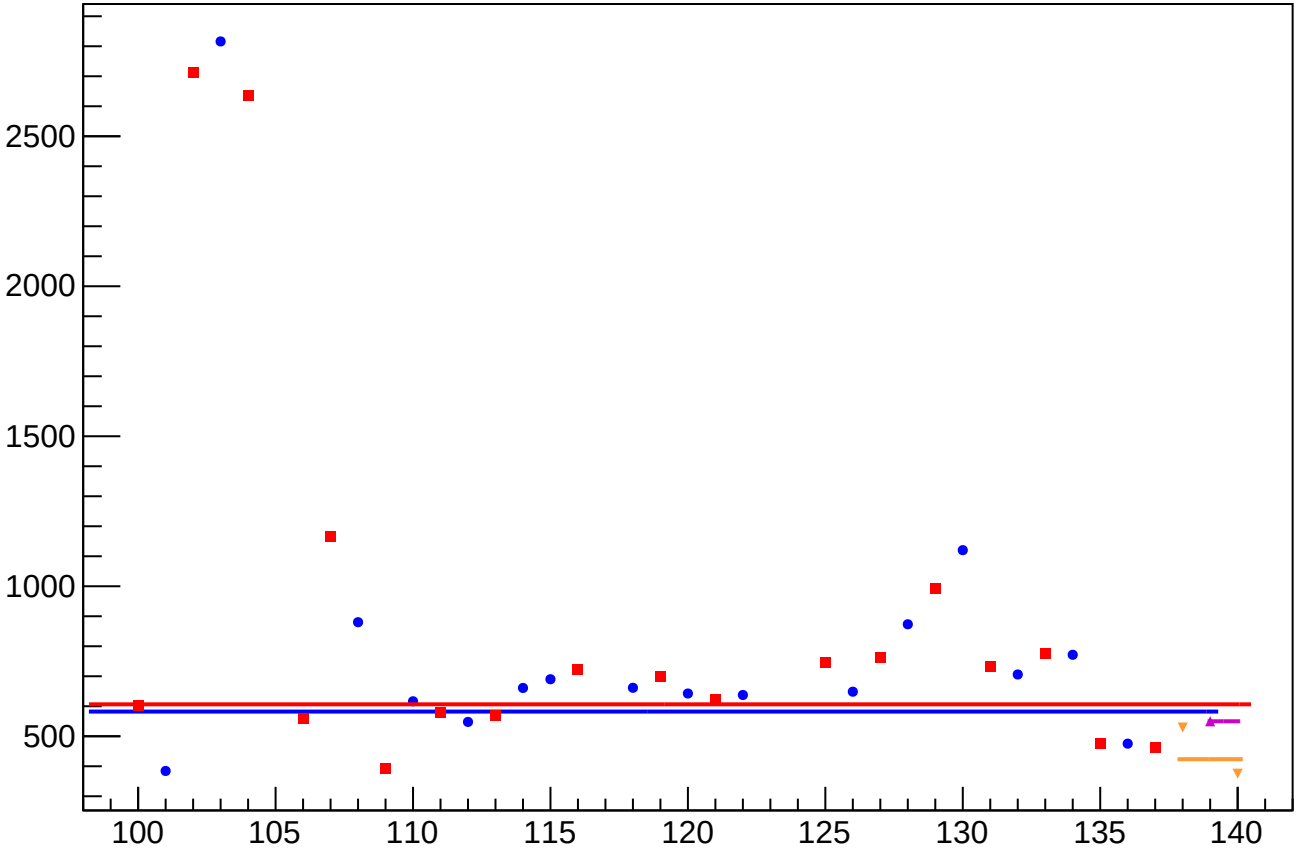
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 89.943+/-216.083 χ^2/NDF:14.2/16

Out: 36.359+/-199.189 χ^2/NDF:15.9/19

All: 60.974+/-146.457 χ^2/NDF: 30.1/36

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 423.540+/-0.240 χ^2/NDF:88402.4/1

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 549.951+/-0.423 χ^2/NDF:0.0/0

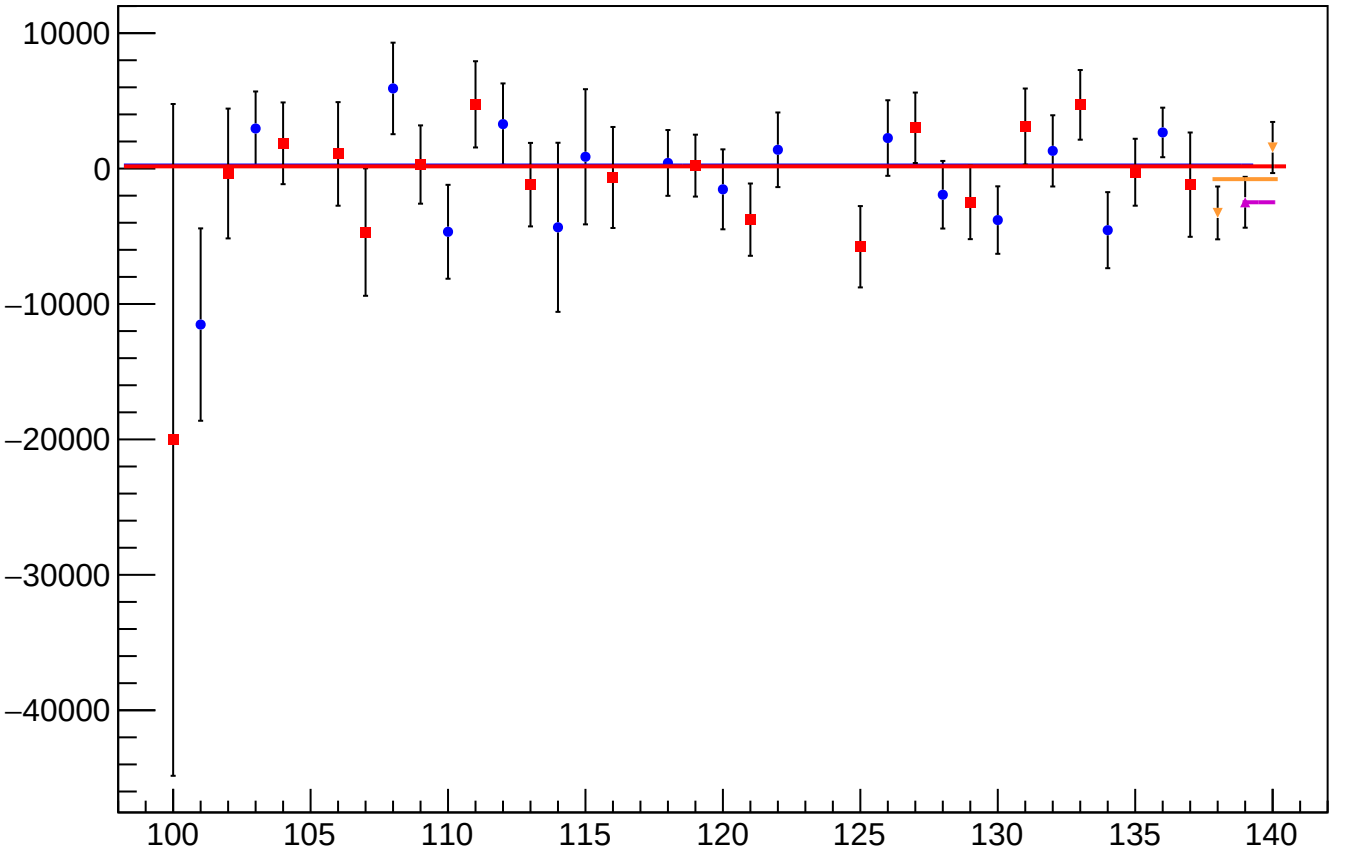
Left: 454.326+/-0.209 χ^2/NDF: 155888.0/2

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 578.058+/-0.153 χ^2/NDF:1759372.9/16

Out: 543.527+/-0.141 χ^2/NDF:2667384.8/19

All: 559.390+/-0.104 χ^2/NDF: 4454369.0/36



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -780.450+/-1356.338 χ^2/NDF:3.2/1

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -2488.131+/-1878.423 χ^2/NDF:0.0/0

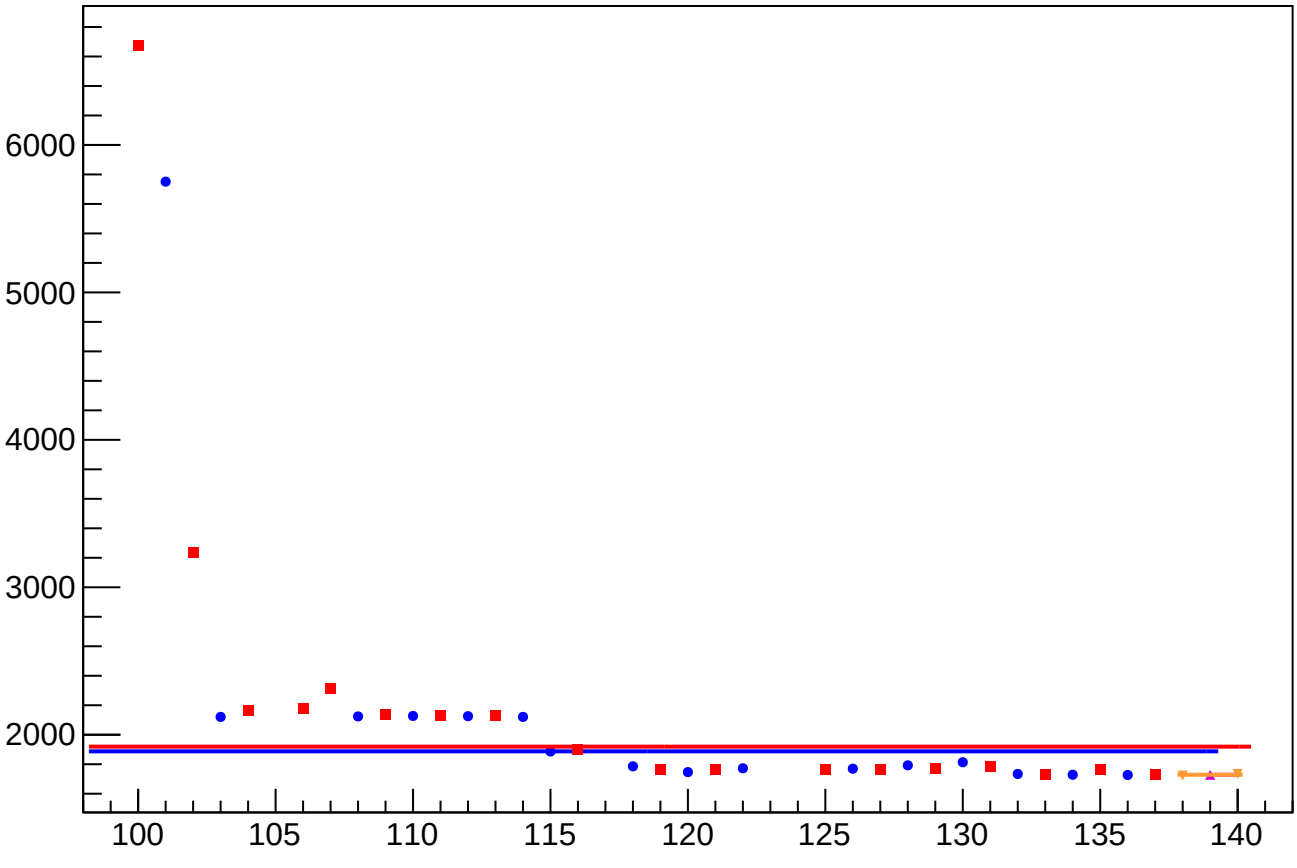
Left: -1365.671+/-1099.638 χ^2/NDF: 3.7/2

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: -120.263+/-671.128 χ^2/NDF:21.2/16

Out: -46.465+/-639.936 χ^2/NDF:20.6/19

All: -81.609+/-463.138 χ^2/NDF: 41.8/36



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1728.315+/-0.959 χ^2/NDF:30.5/1

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1728.291+/-1.328 χ^2/NDF:0.0/0

Left: 1728.306+/-0.778 χ^2/NDF: 30.5/2

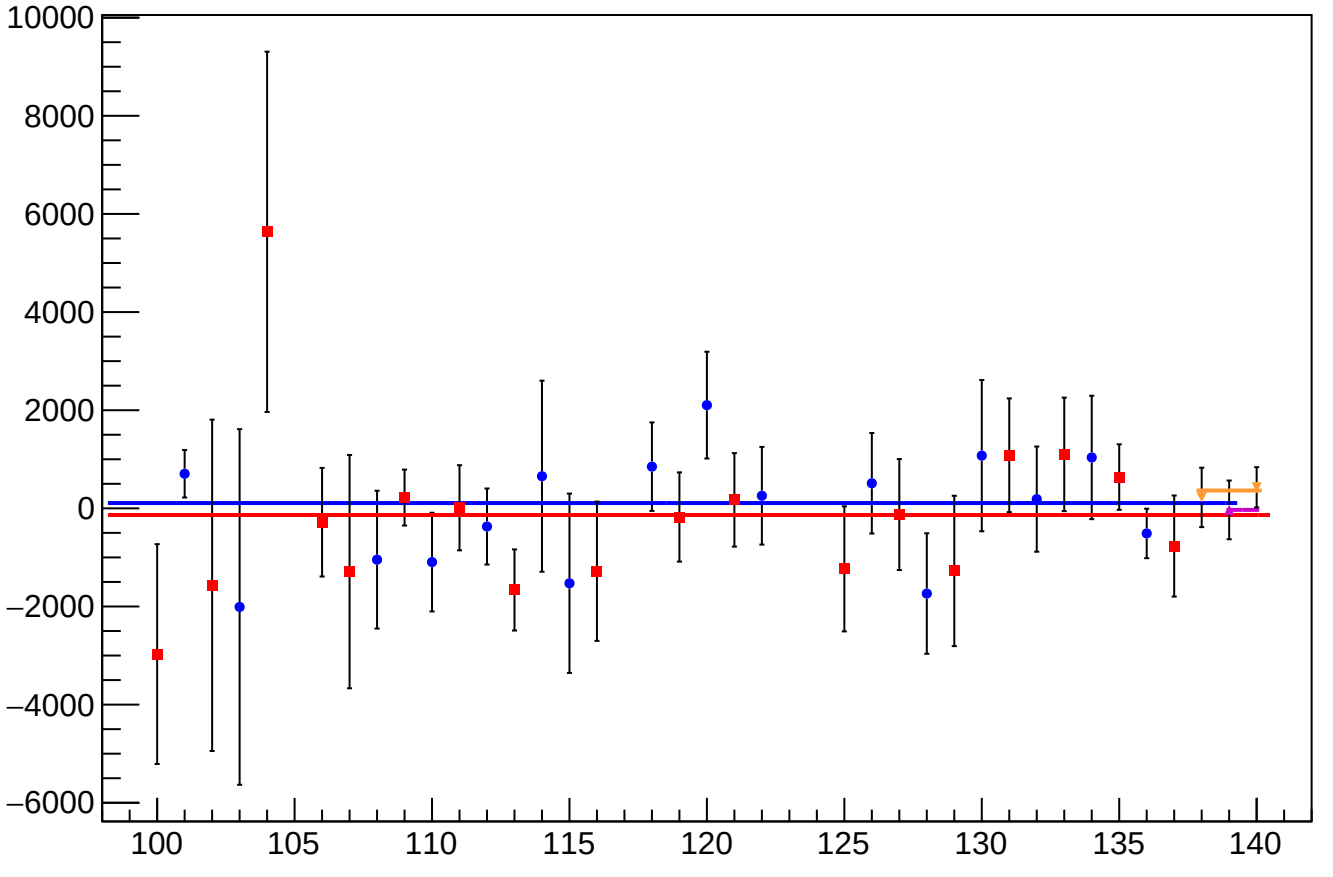
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1867.011+/-0.475 χ^2/NDF:701945.9/16

Out: 1876.680+/-0.453 χ^2/NDF:383380.3/19

All: 1872.075+/-0.327 χ^2/NDF: 1085543.6/36

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 363.800+/-339.608 χ^2/NDF:0.1/1

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -31.414+/-598.533 χ^2/NDF:0.0/0

Left: 267.550+/-295.374 χ^2/NDF: 0.4/2

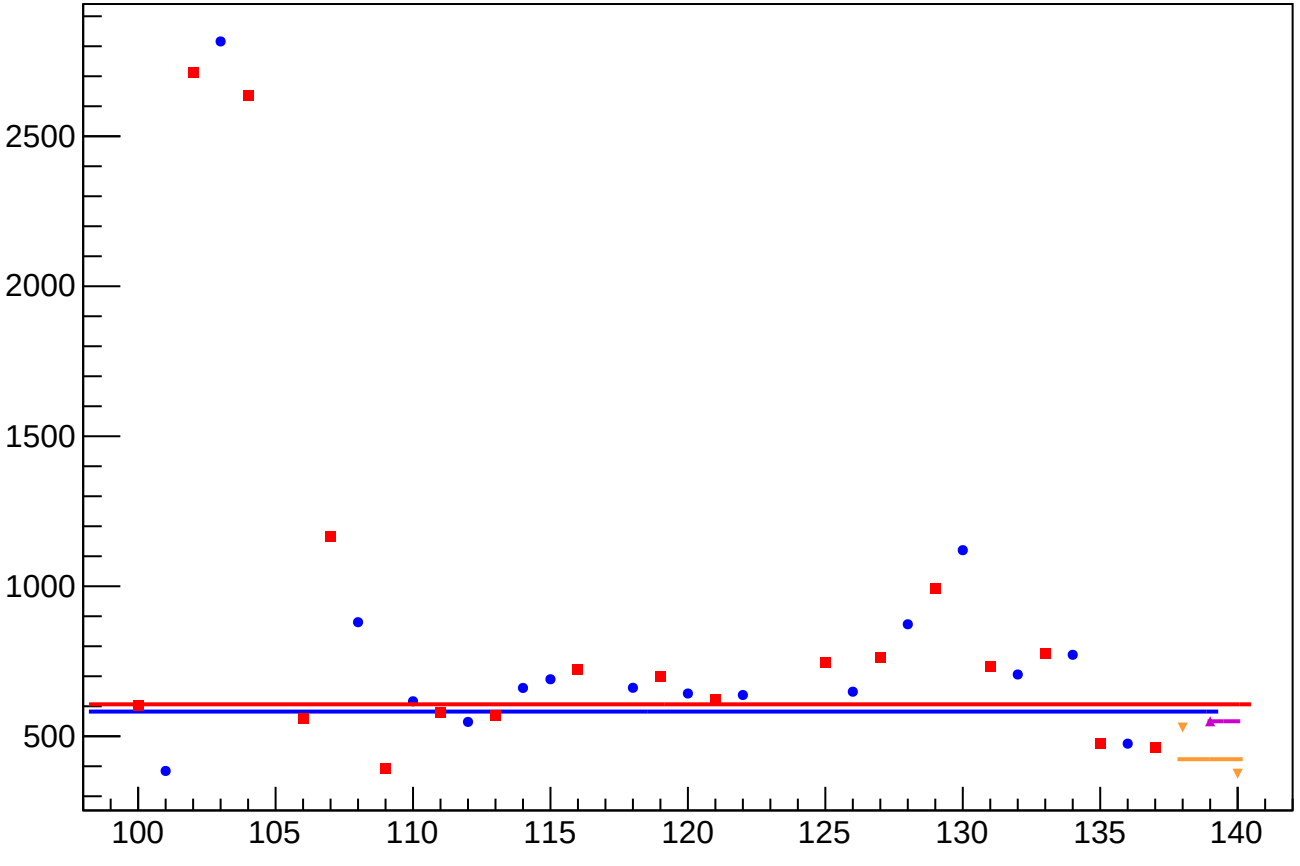
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 89.941+/-216.083 χ^2/NDF:14.2/16

Out: 36.358+/-199.188 χ^2/NDF:15.9/19

All: 60.973+/-146.456 χ^2/NDF: 30.1/36

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 423.542+/-0.240 χ^2/NDF:88403.8/1

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 549.954+/-0.423 χ^2/NDF:0.0/0

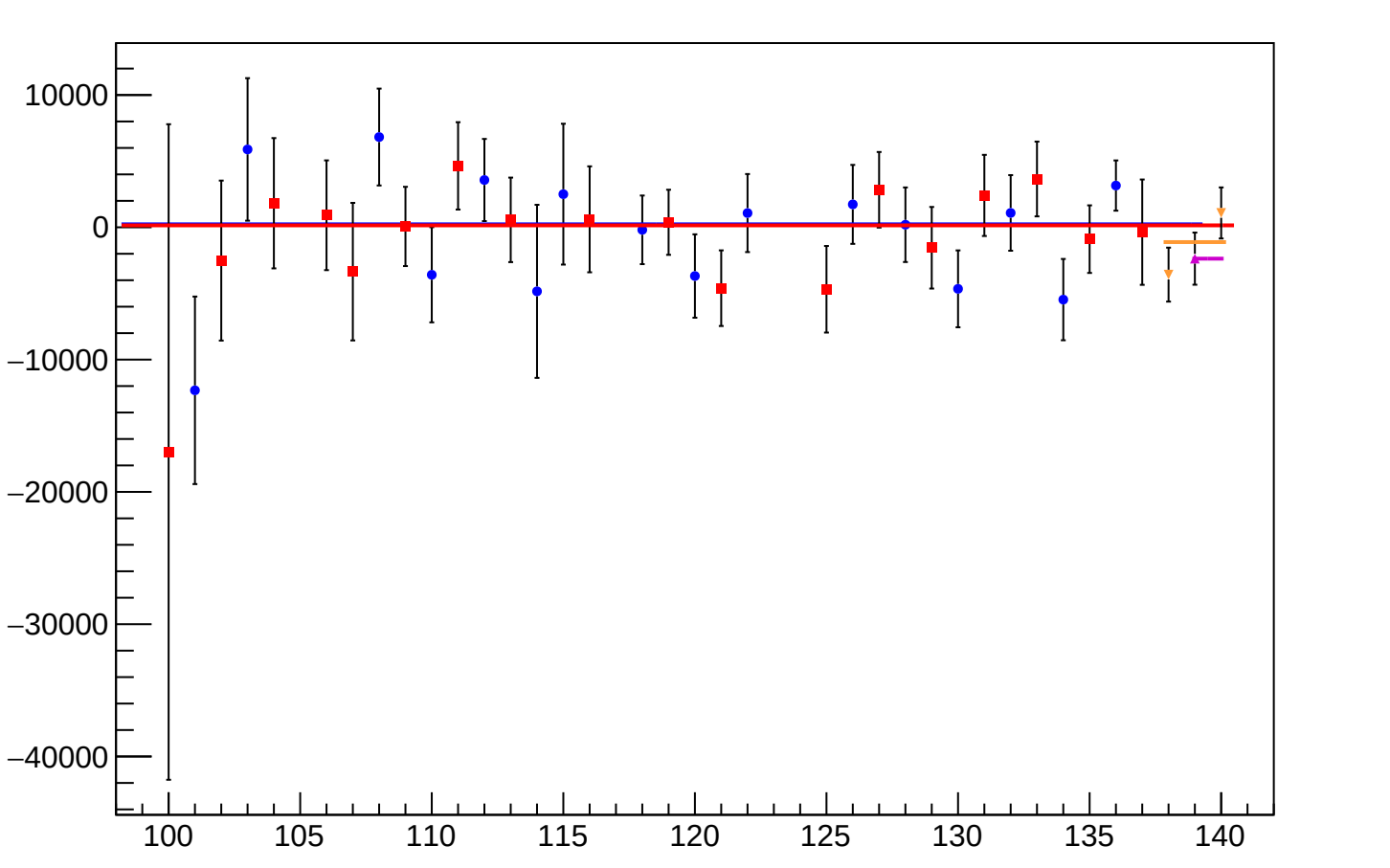
Left: 454.328+/-0.209 χ^2/NDF: 155890.3/2

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 578.057+/-0.153 χ^2/NDF:1759359.4/16

Out: 543.526+/-0.141 χ^2/NDF:2667378.6/19

All: 559.389+/-0.104 χ^2/NDF: 4454349.5/36



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -1117.465+/-1401.389 χ^2/NDF:2.8/1

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -2369.106+/-1970.212 χ^2/NDF:0.0/0

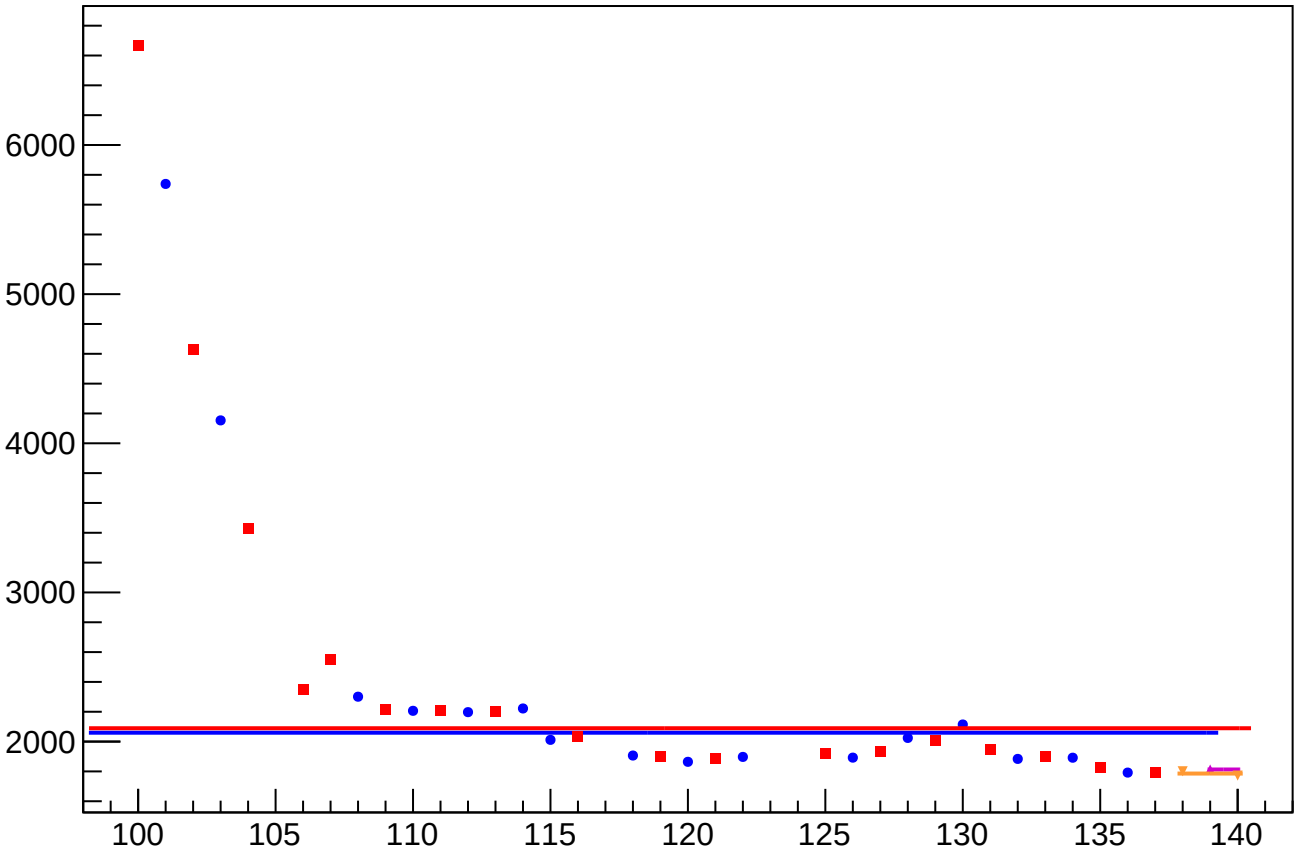
Left: -1537.965+/-1141.974 χ^2/NDF: 3.0/2

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -136.036+/-734.591 χ^2/NDF:22.7/16

Out: -159.640+/-690.942 χ^2/NDF:14.9/19

All: -148.560+/-503.294 χ^2/NDF: 37.6/36



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1785.611+/-0.991 χ^2/NDF:212.6/1

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1812.767+/-1.393 χ^2/NDF:0.0/0

Left: 1794.734+/-0.807 χ^2/NDF: 464.9/2

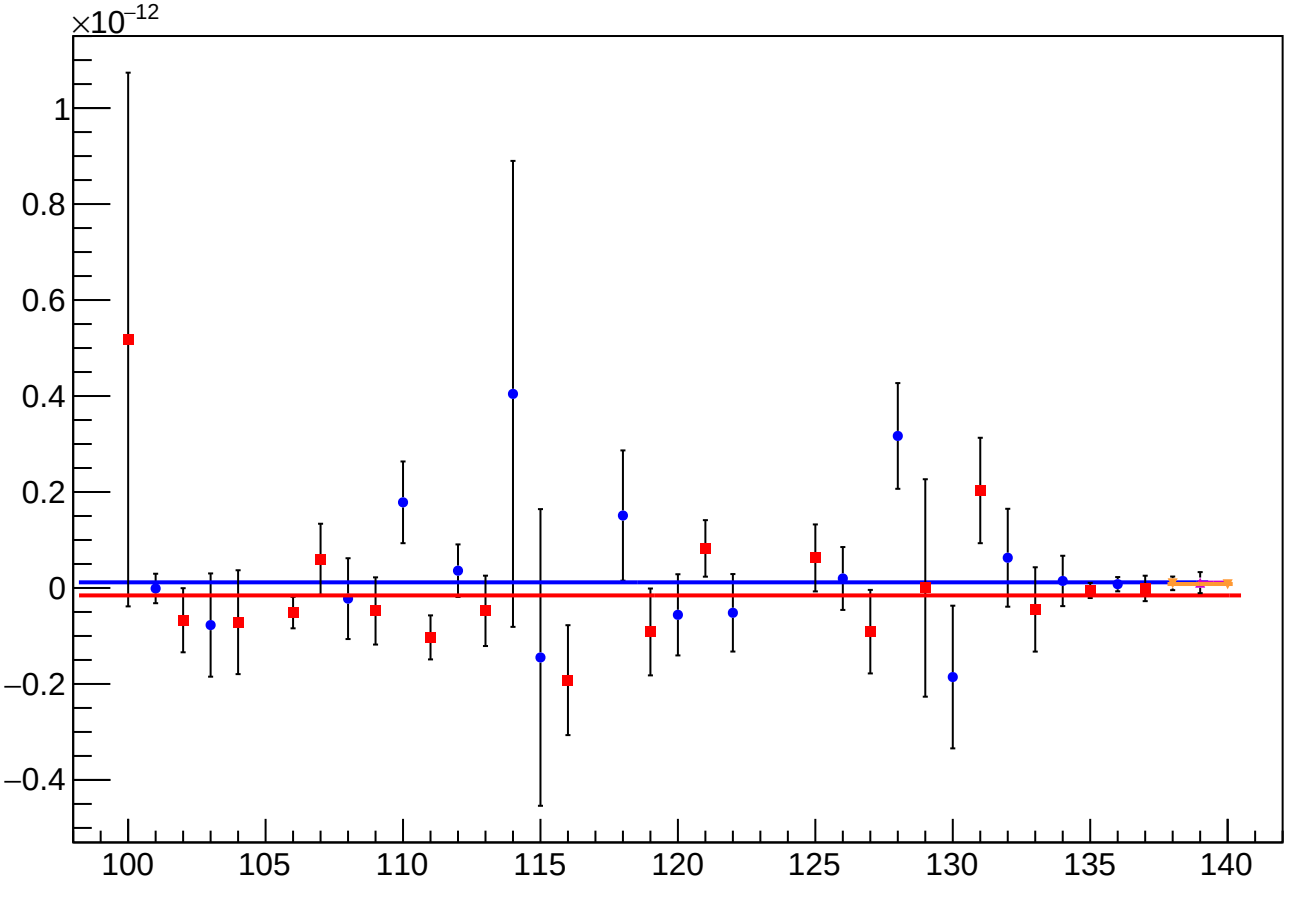
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 2025.197+/-0.519 χ^2/NDF:966878.3/16

Out: 2015.611+/-0.489 χ^2/NDF:752852.2/19

All: 2020.110+/-0.356 χ^2/NDF: 1719911.3/36

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

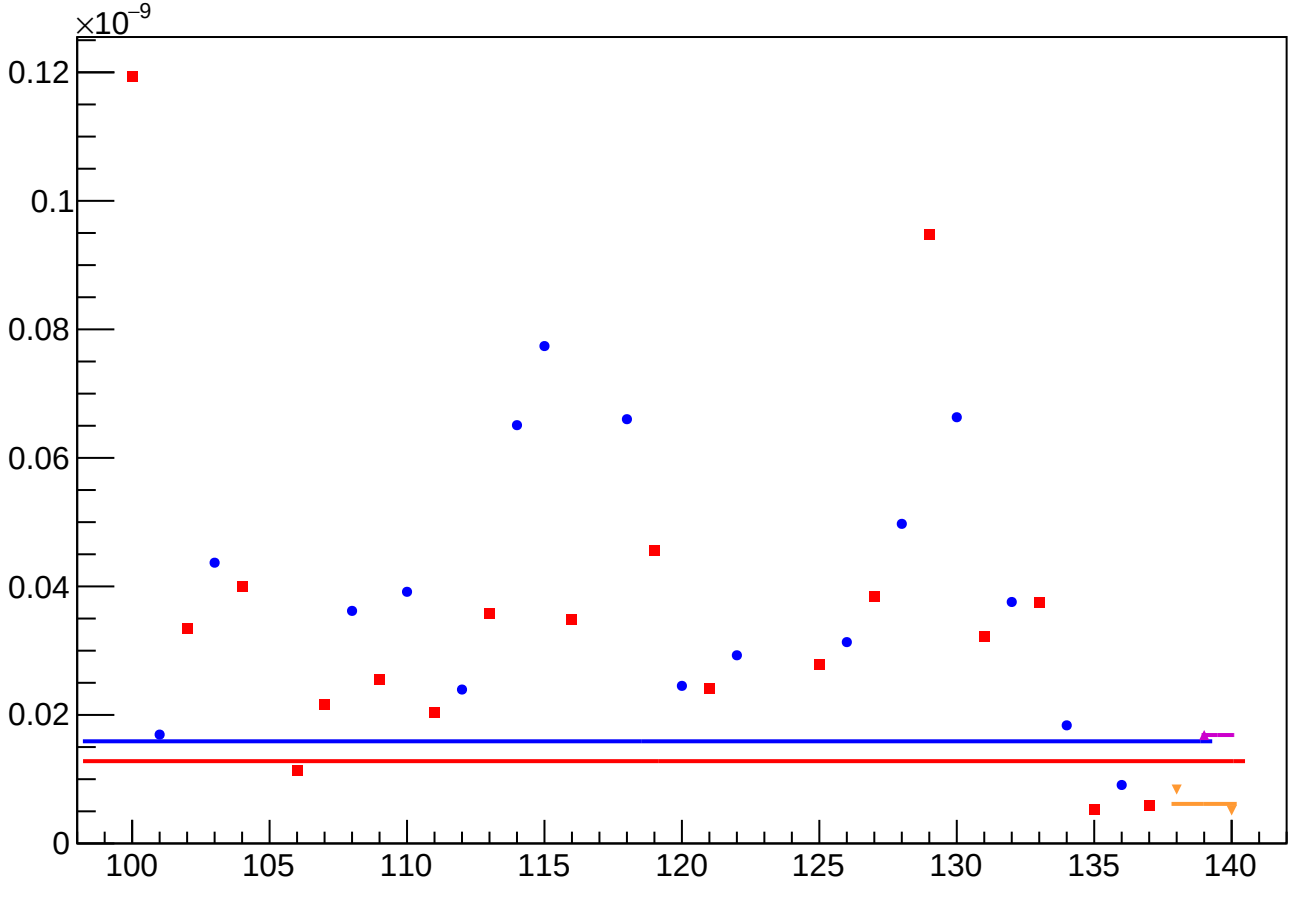
Left: 0.000+/-0.000 χ^2/NDF: 0.0/2

Right: -0.000+/-0.000 χ^2/NDF: 41.8/33

In: 0.000+/-0.000 χ^2/NDF:18.0/16

Out: -0.000+/-0.000 χ^2/NDF:23.9/19

All: 0.000+/-0.000 χ^2/NDF: 42.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:72228.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 494995.6/2

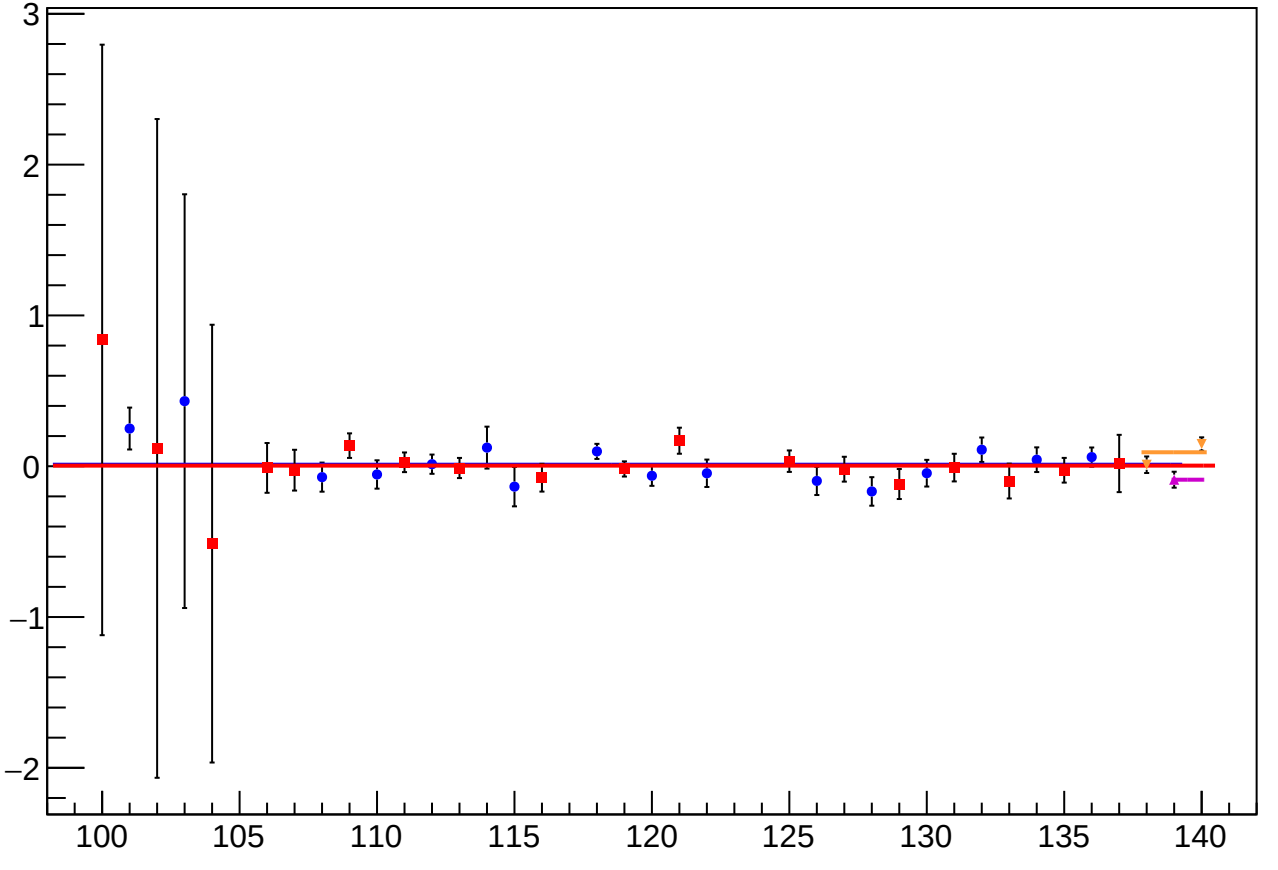
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:1938686.9/16

Out: 0.000+/-0.000 χ^2/NDF:3057450.2/19

All: 0.000+/-0.000 χ^2/NDF: 5785494.7/36

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.093+/-0.035 χ^2/NDF:3.8/1

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.089+/-0.053 χ^2/NDF:0.0/0

Left: 0.038+/-0.029 χ^2/NDF: 12.1/2

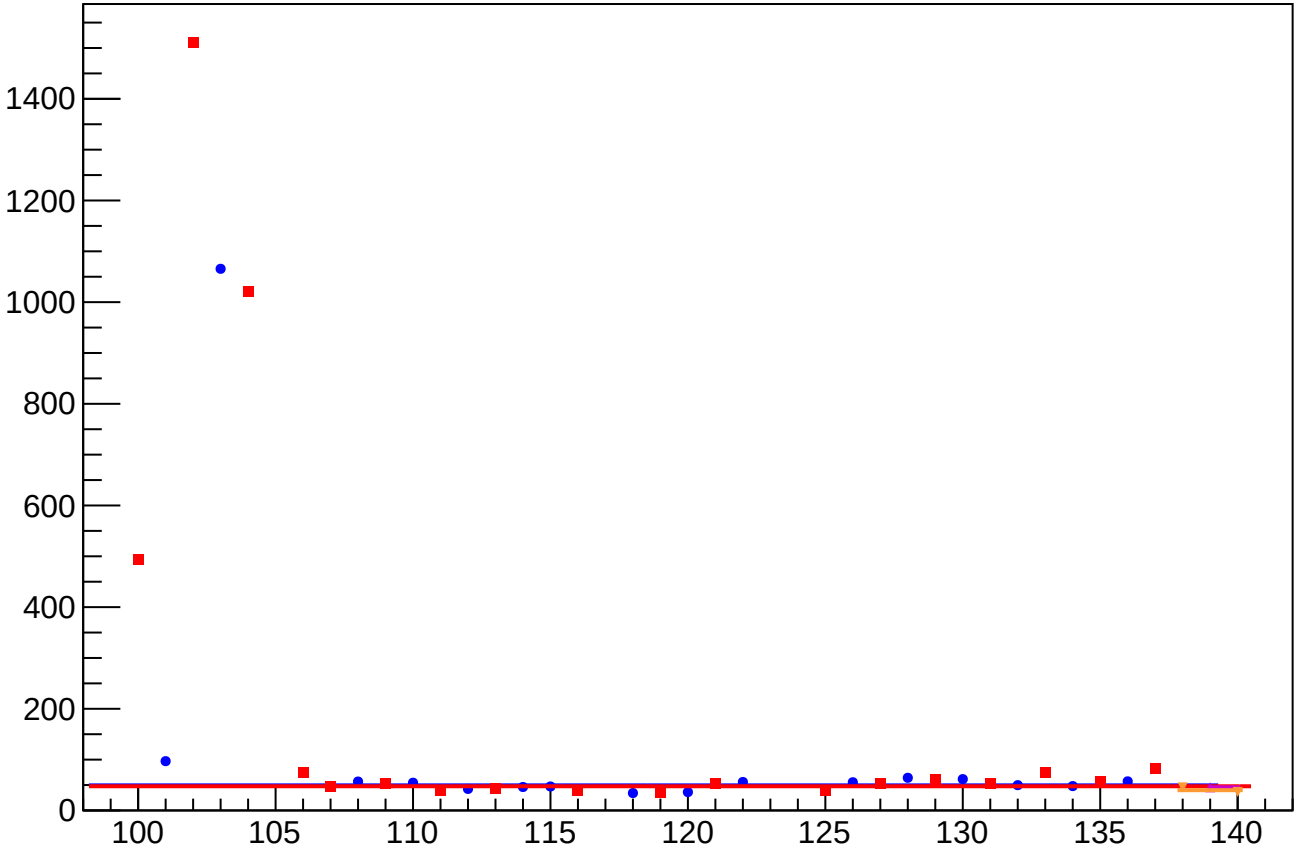
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.003+/-0.019 χ^2/NDF:21.5/16

Out: 0.029+/-0.018 χ^2/NDF:19.0/19

All: 0.014+/-0.013 χ^2/NDF: 41.9/36

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: 39.896+/-0.024 χ^2/NDF:32021.8/1

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 45.605+/-0.037 χ^2/NDF:0.0/0

Left: 41.605+/-0.020 χ^2/NDF: 48344.9/2

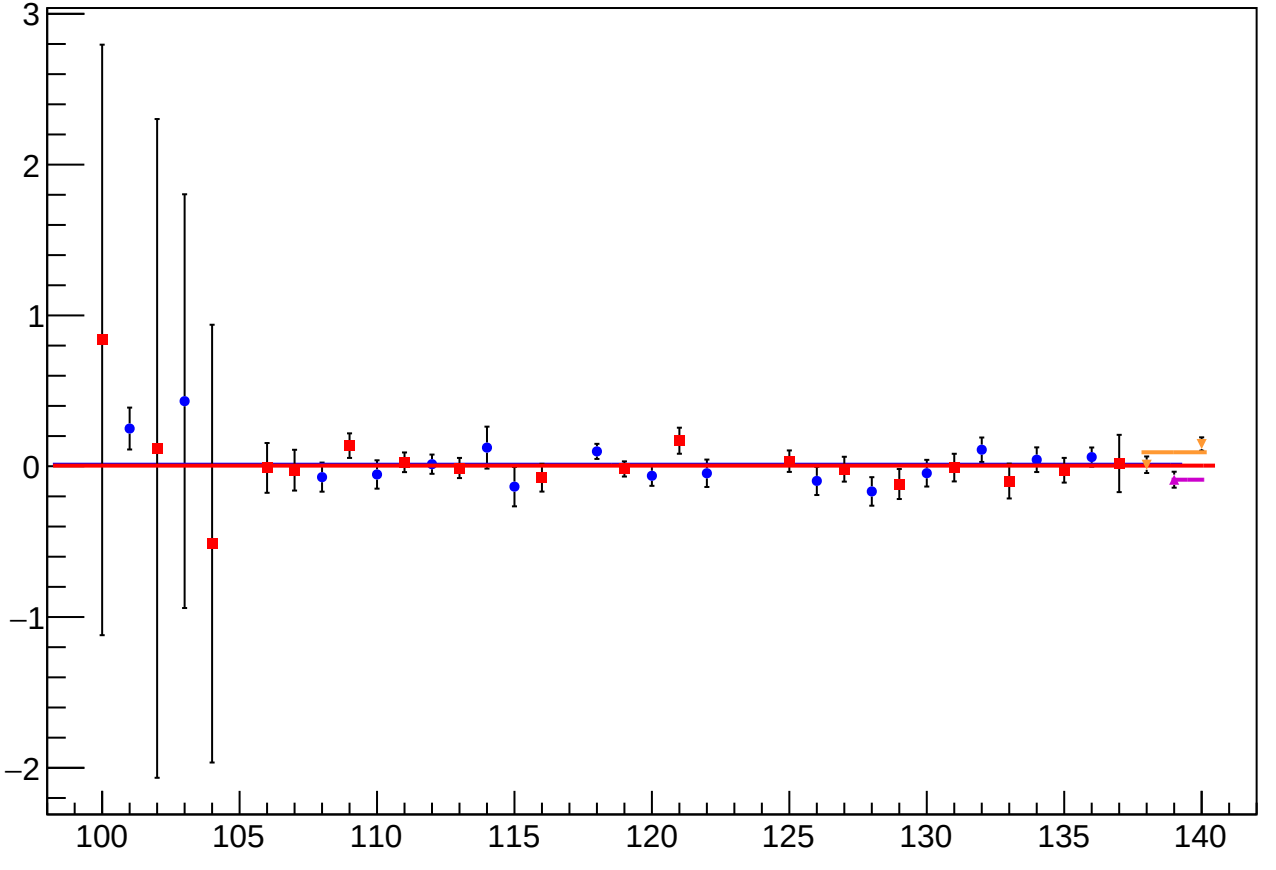
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 48.827+/-0.014 χ^2/NDF:1785580.9/16

Out: 45.453+/-0.013 χ^2/NDF:2521845.2/19

All: 47.030+/-0.009 χ^2/NDF: 4339379.1/36

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.093+/-0.035 χ^2/NDF:3.8/1

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.089+/-0.053 χ^2/NDF:0.0/0

Left: 0.038+/-0.029 χ^2/NDF: 12.1/2

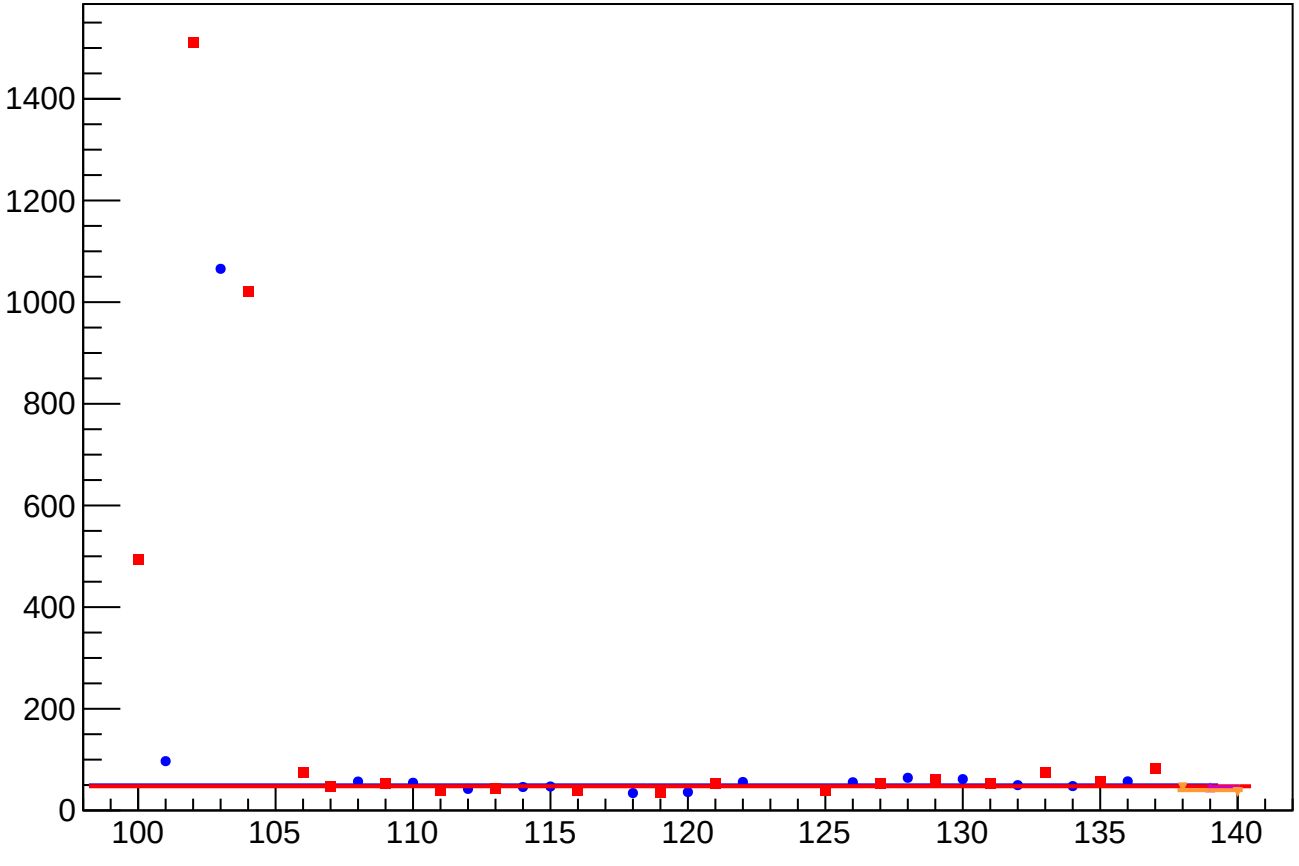
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.003+/-0.019 χ^2/NDF:21.5/16

Out: 0.029+/-0.018 χ^2/NDF:19.0/19

All: 0.014+/-0.013 χ^2/NDF: 41.9/36

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 39.896+/-0.024 χ^2/NDF:32021.8/1

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 45.605+/-0.037 χ^2/NDF:0.0/0

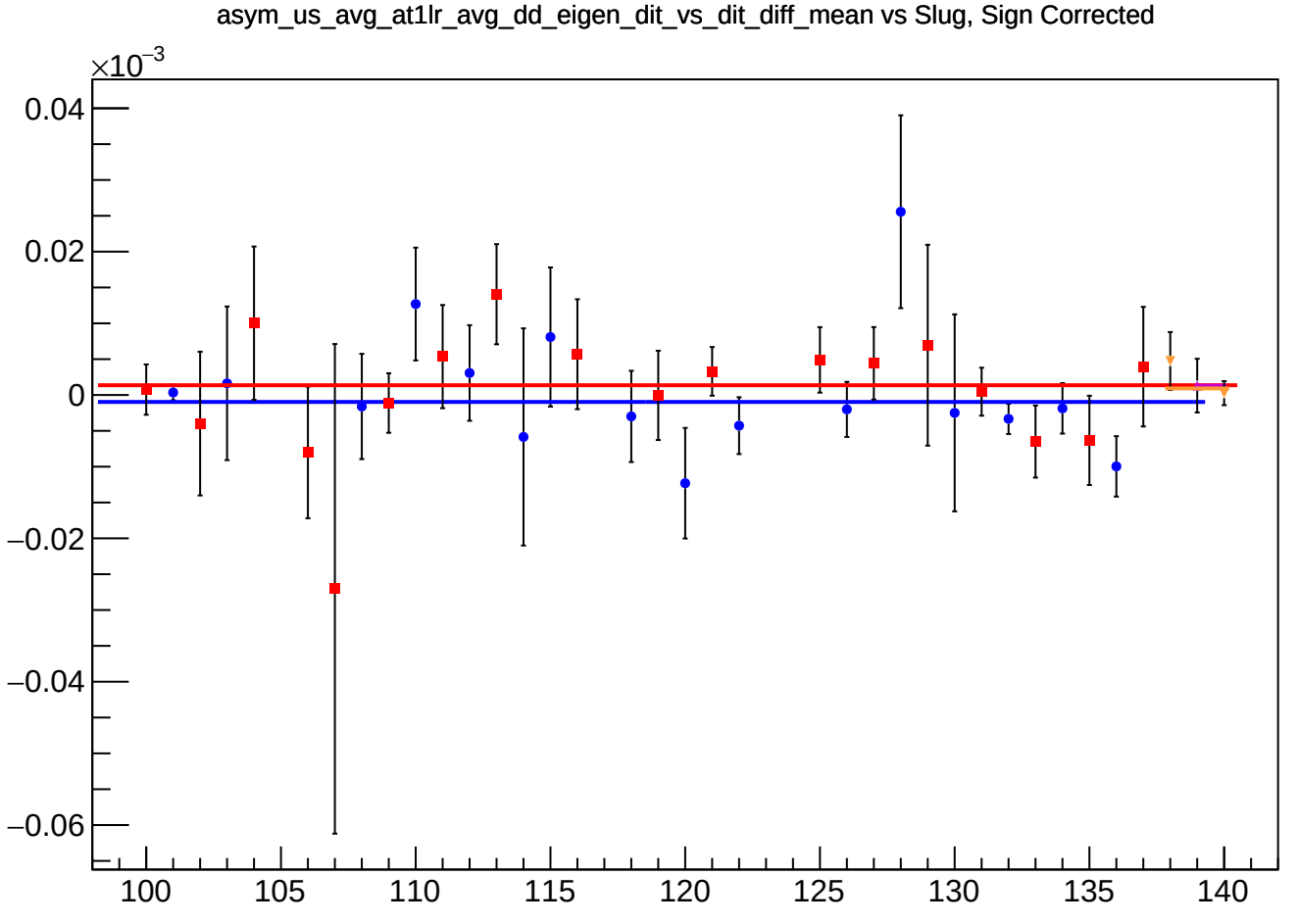
Left: 41.605+/-0.020 χ^2/NDF: 48344.9/2

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 48.827+/-0.014 χ^2/NDF:1785580.9/16

Out: 45.453+/-0.013 χ^2/NDF:2521845.2/19

All: 47.030+/-0.009 χ^2/NDF: 4339379.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 1.1/2

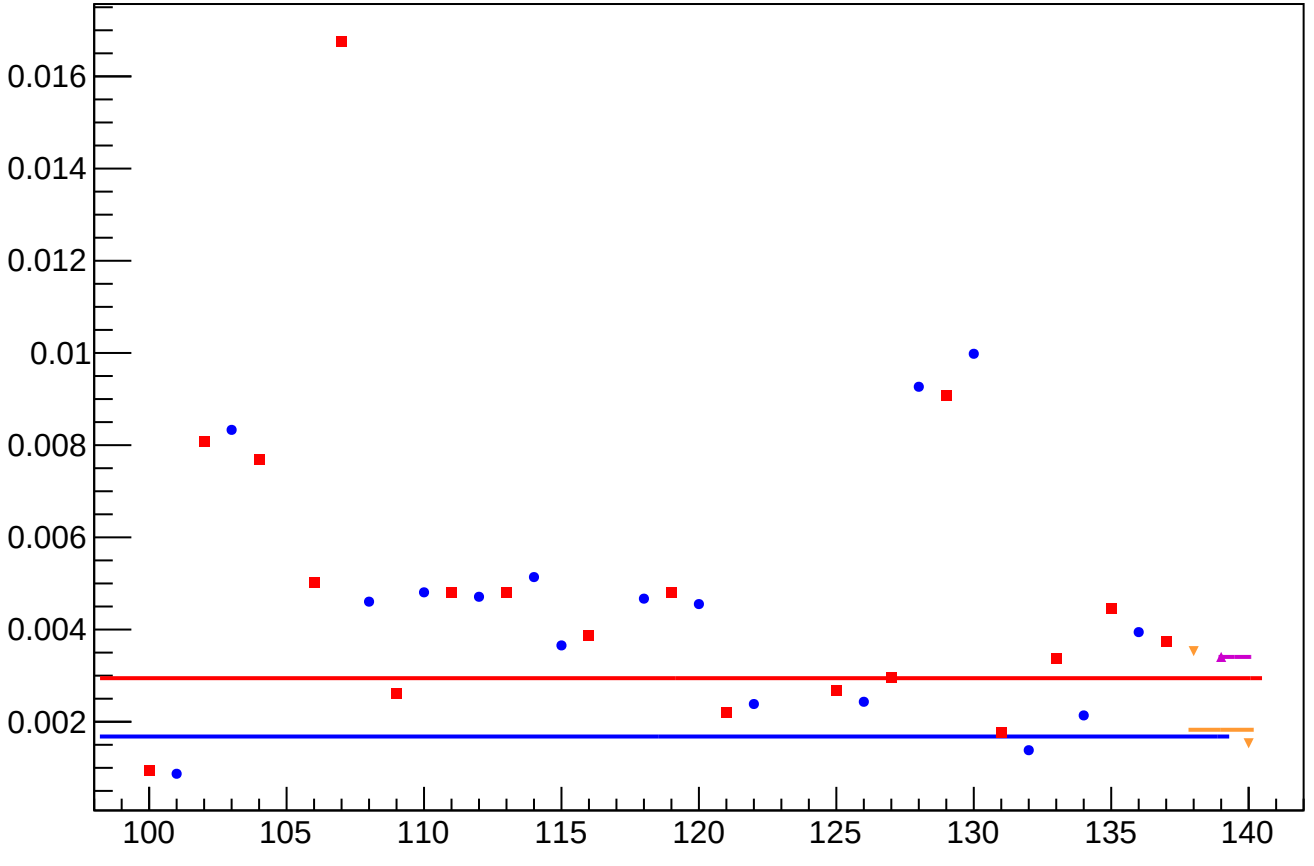
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:19.0/16

Out: 0.000+/-0.000 χ^2/NDF:13.7/19

All: -0.000+/-0.000 χ^2/NDF: 35.3/36

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:417199.8/1

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

Left: 0.002+/-0.000 χ^2/NDF: 720944.4/2

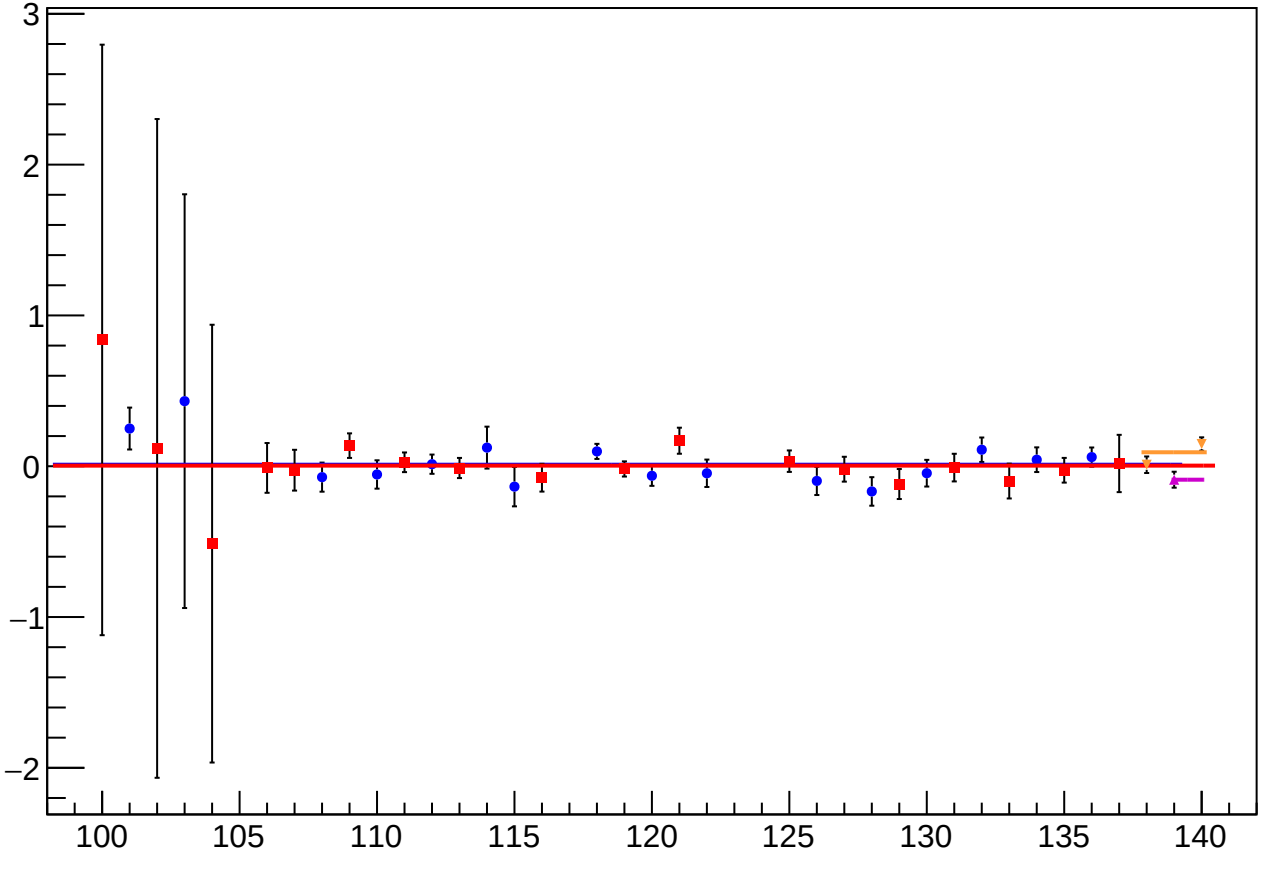
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:6364871.1/16

Out: 0.002+/-0.000 χ^2/NDF:4414095.1/19

All: 0.002+/-0.000 χ^2/NDF: 11423247.3/36

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.093+/-0.035 χ^2/NDF:3.8/1

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.089+/-0.053 χ^2/NDF:0.0/0

Left: 0.038+/-0.029 χ^2/NDF: 12.1/2

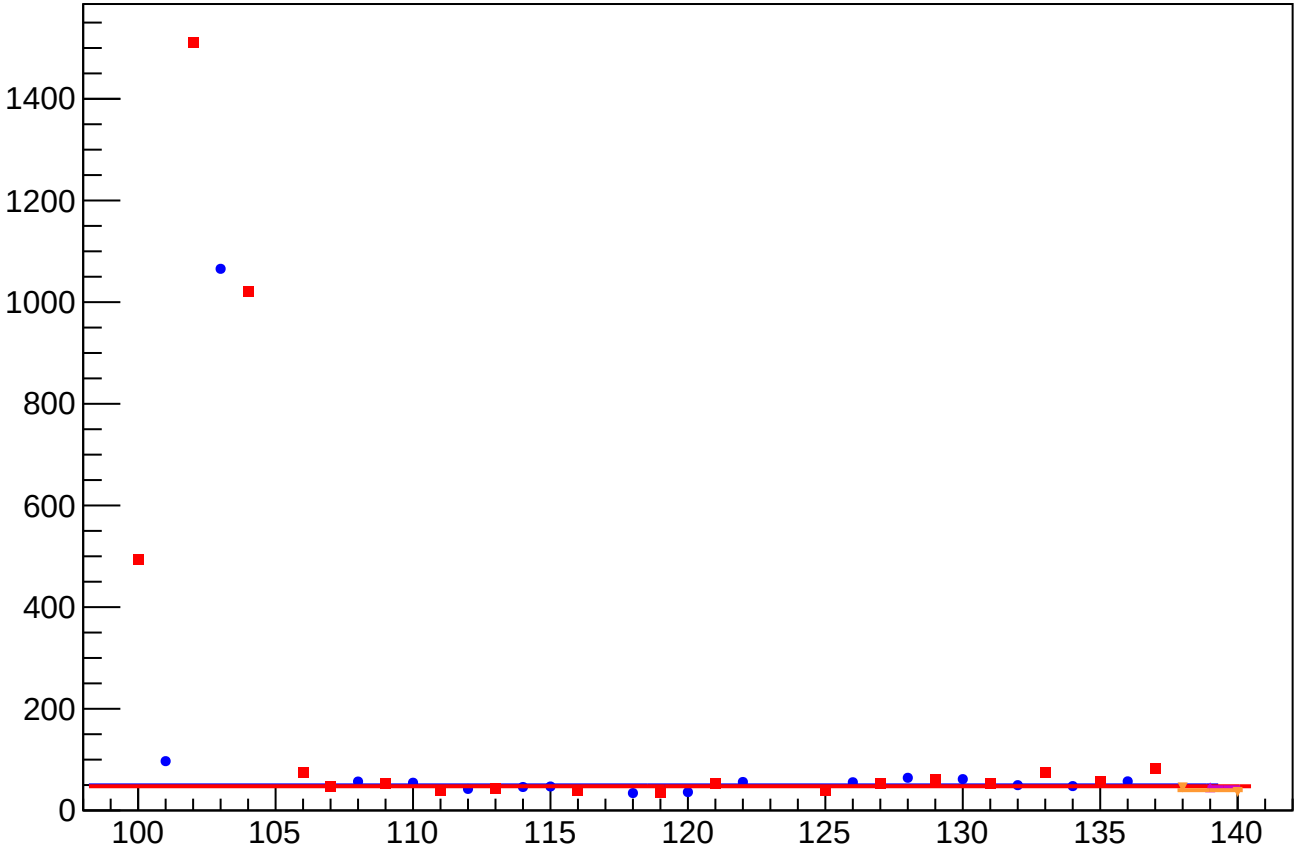
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.003+/-0.019 χ^2/NDF:21.5/16

Out: 0.029+/-0.018 χ^2/NDF:19.0/19

All: 0.014+/-0.013 χ^2/NDF: 41.9/36

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 39.896+/-0.024 χ^2/NDF:32030.3/1

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 45.605+/-0.037 χ^2/NDF:0.0/0

Left: 41.605+/-0.020 χ^2/NDF: 48348.5/2

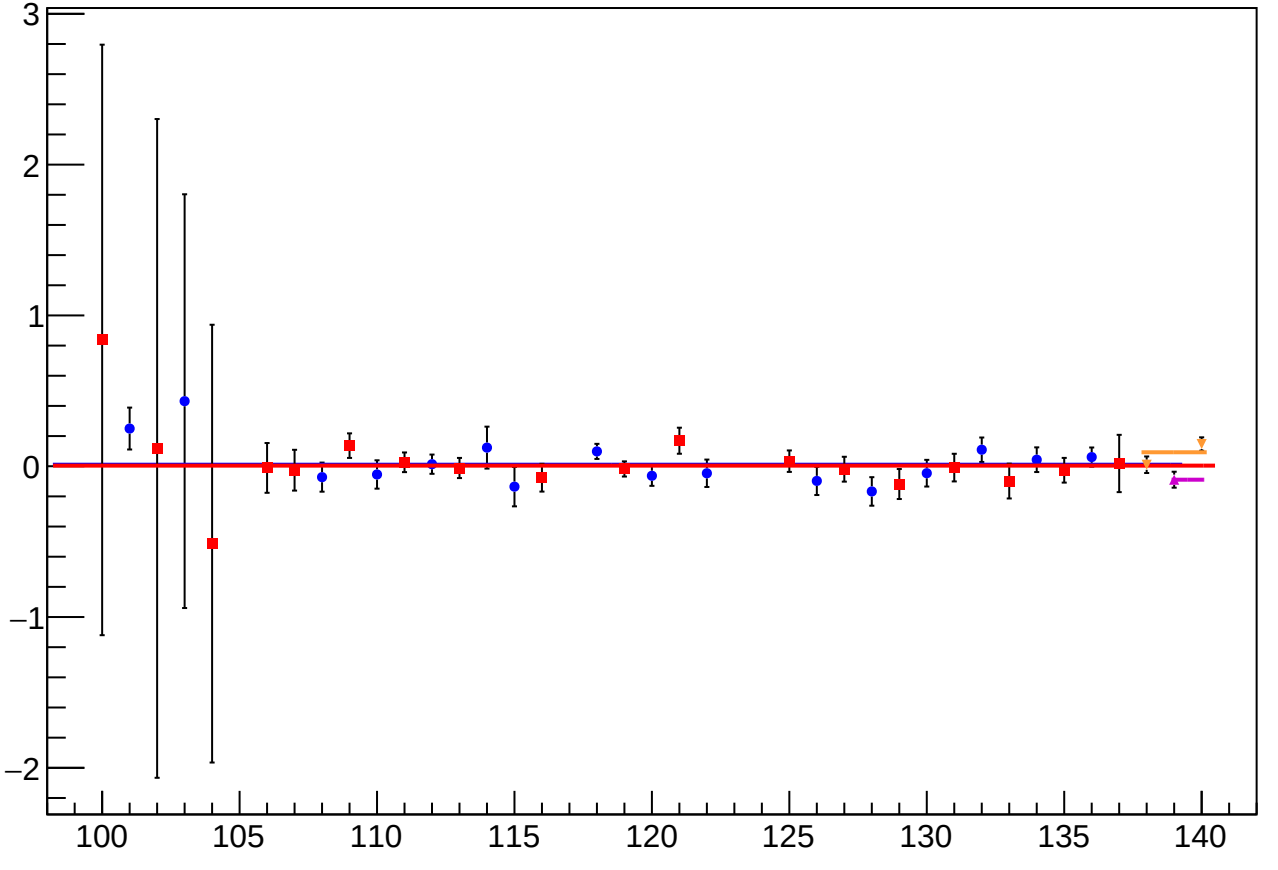
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 48.827+/-0.014 χ^2/NDF:1785513.8/16

Out: 45.452+/-0.013 χ^2/NDF:2521866.6/19

All: 47.030+/-0.009 χ^2/NDF: 4339346.9/36

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.093+/-0.035 χ^2/NDF:3.8/1

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.089+/-0.053 χ^2/NDF:0.0/0

Left: 0.038+/-0.029 χ^2/NDF: 12.1/2

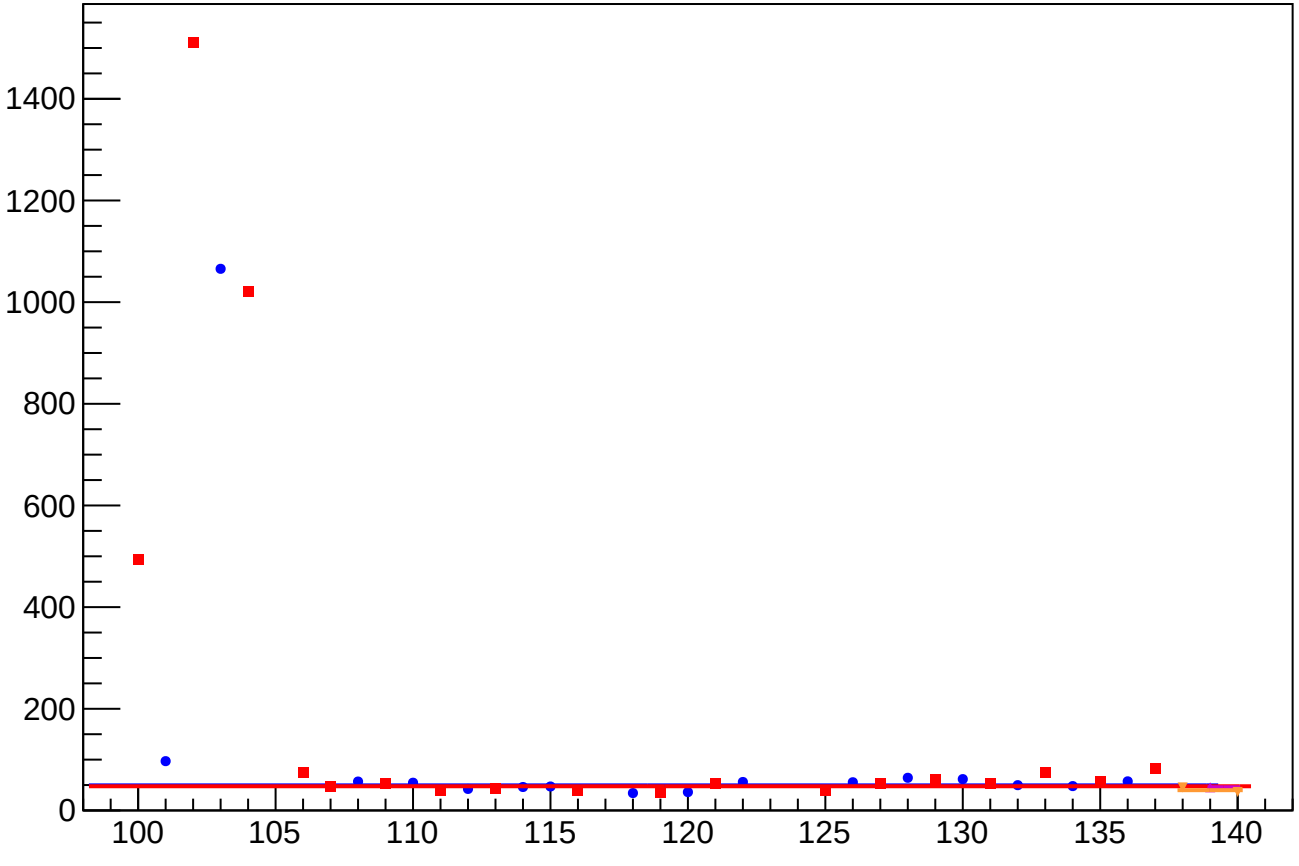
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.003+/-0.019 χ^2/NDF:21.5/16

Out: 0.029+/-0.018 χ^2/NDF:19.0/19

All: 0.014+/-0.013 χ^2/NDF: 41.9/36

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 39.896+/-0.024 χ^2/NDF:32030.3/1

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 45.605+/-0.037 χ^2/NDF:0.0/0

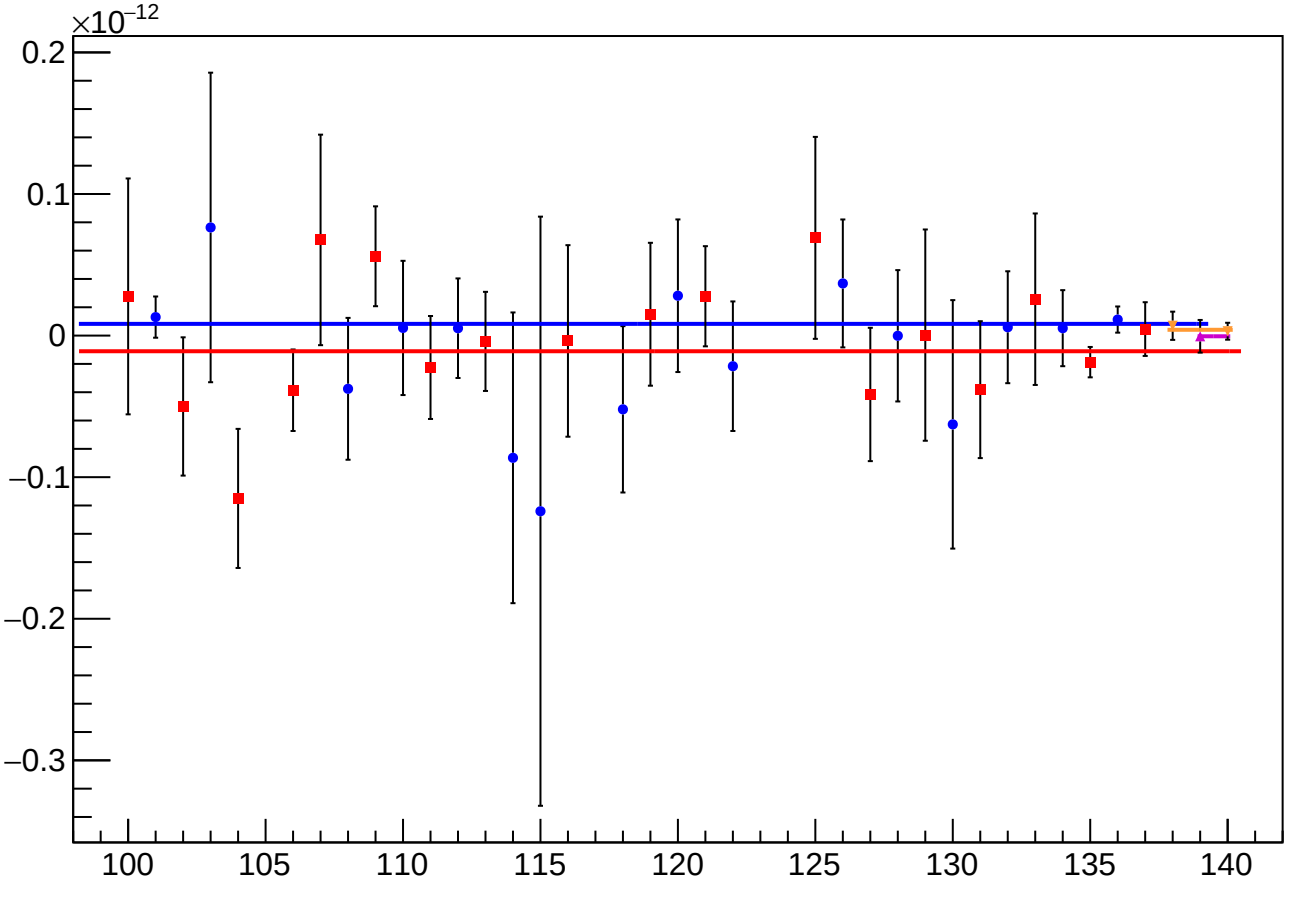
Left: 41.605+/-0.020 χ^2/NDF: 48348.5/2

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 48.827+/-0.014 χ^2/NDF:1785513.8/16

Out: 45.452+/-0.013 χ^2/NDF:2521866.6/19

All: 47.030+/-0.009 χ^2/NDF: 4339346.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

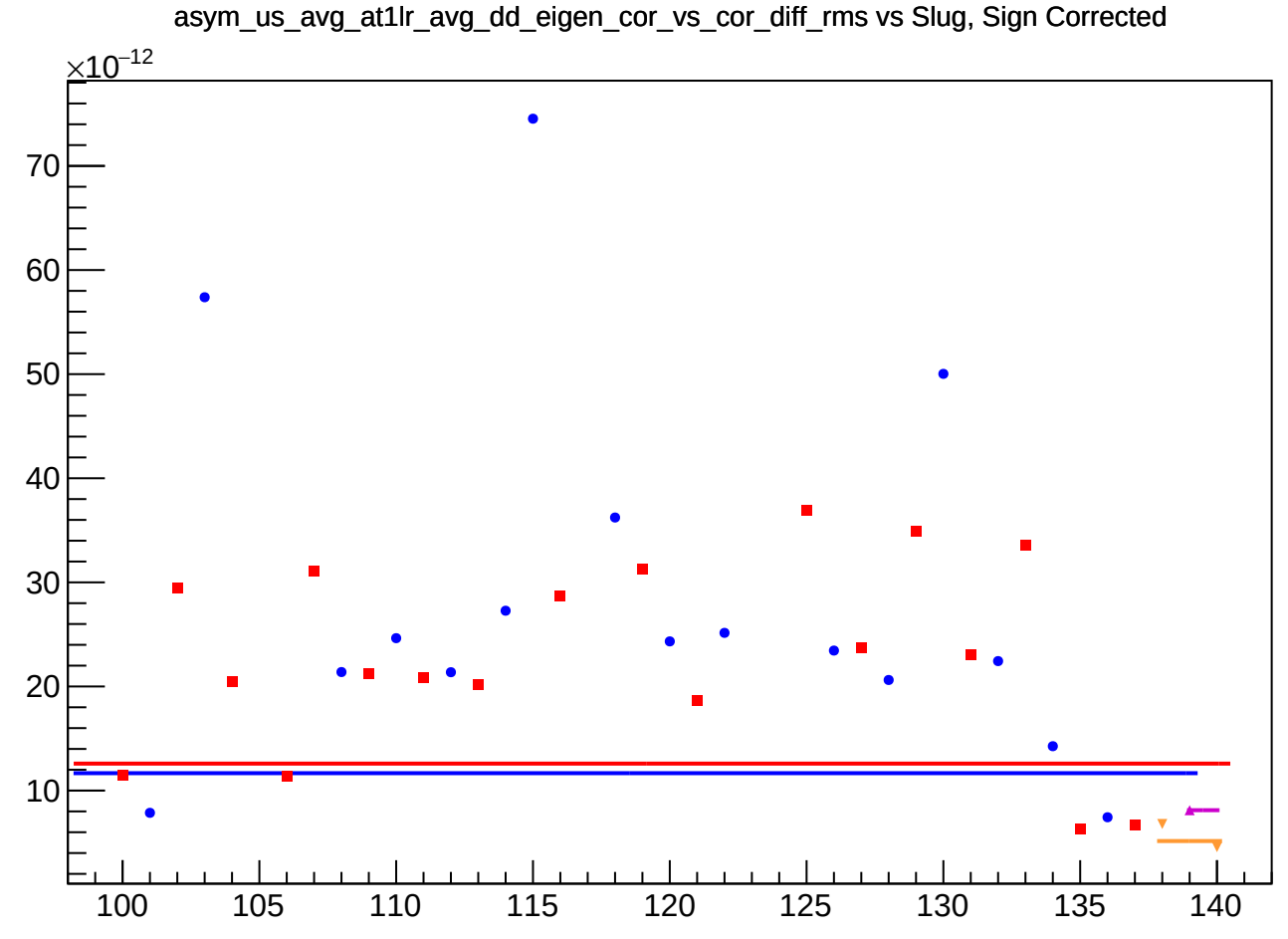
Left: 0.000+/-0.000 χ^2/NDF: 0.2/2

Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: 0.000+/-0.000 χ^2/NDF:5.9/16

Out: -0.000+/-0.000 χ^2/NDF:19.2/19

All: 0.000+/-0.000 χ^2/NDF: 26.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:73149.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

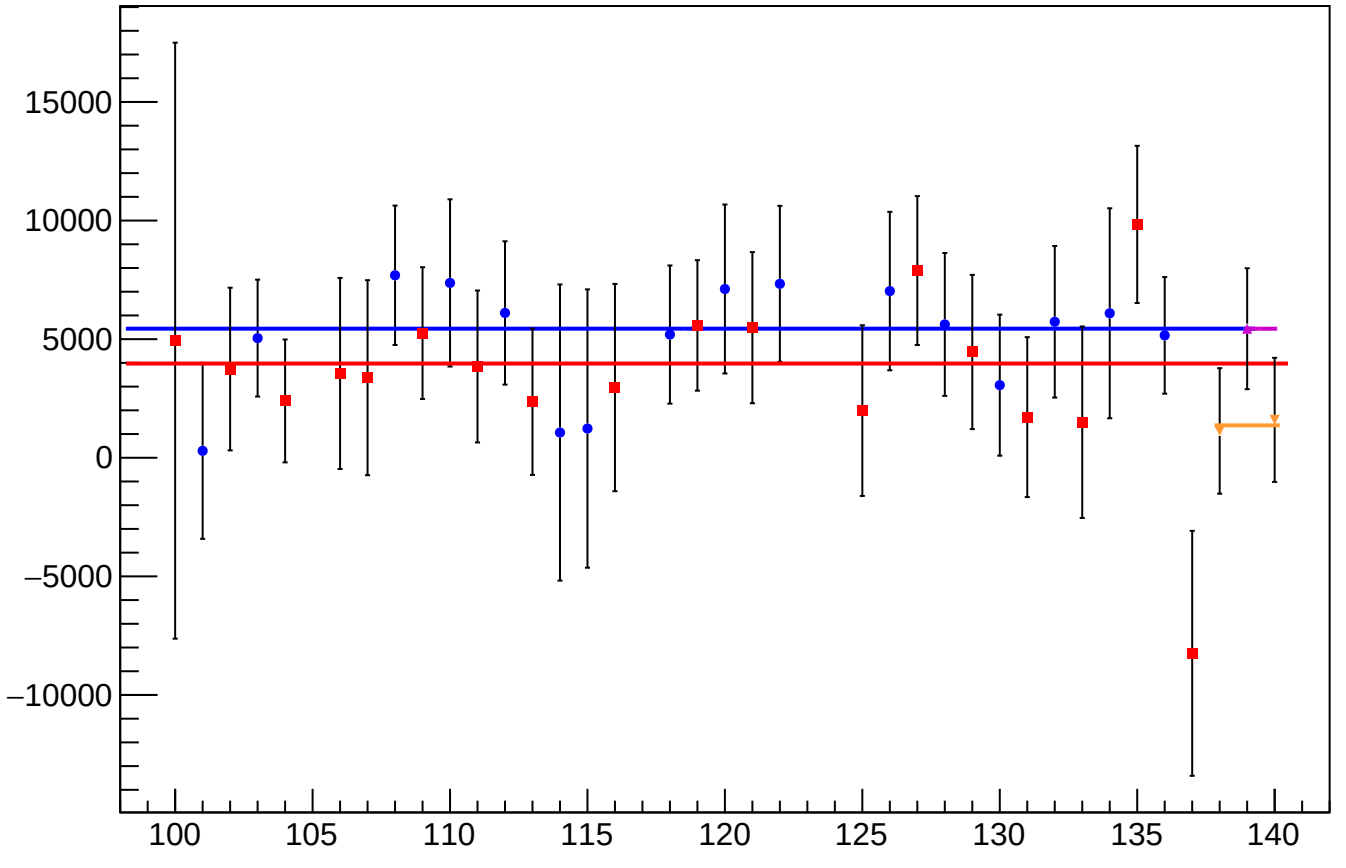
Left: 0.000+/-0.000 χ^2/NDF: 183426.6/2

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:3047870.8/16

Out: 0.000+/-0.000 χ^2/NDF:4406984.5/19

All: 0.000+/-0.000 χ^2/NDF: 7843582.5/36



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1366.188+/-1860.557 χ^2/NDF:0.0/1

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5440.339+/-2549.555 χ^2/NDF:0.0/0

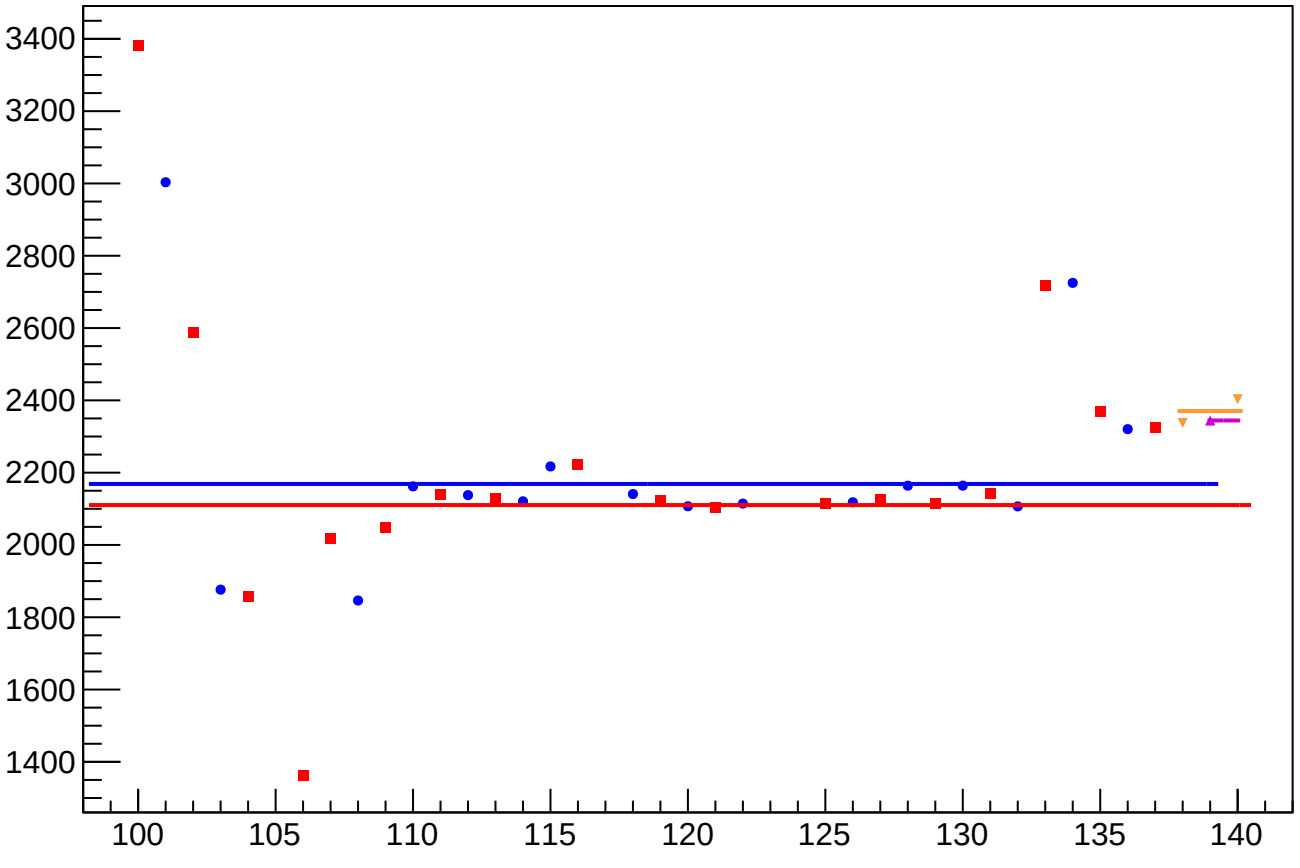
Left: 2781.919+/-1502.921 χ^2/NDF: 1.7/2

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5442.152+/-774.169 χ^2/NDF:5.4/16

Out: 3557.420+/-741.919 χ^2/NDF:14.6/19

All: 4459.712+/-535.654 χ^2/NDF: 23.1/36



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2370.505+/-1.316 χ^2/NDF:622.6/1

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2344.359+/-1.803 χ^2/NDF:0.0/0

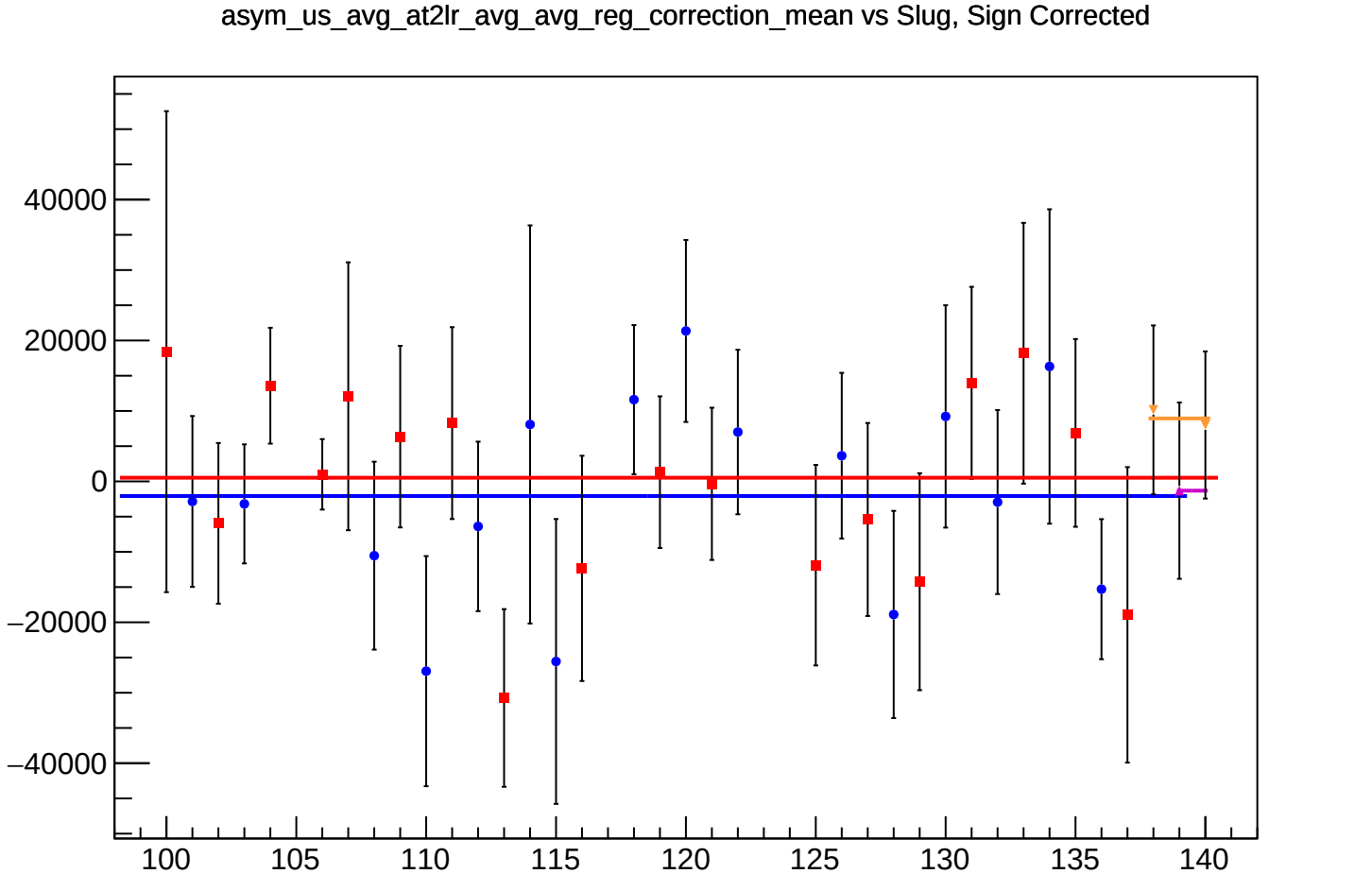
Left: 2361.420+/-1.063 χ^2/NDF: 759.8/2

Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2184.910+/-0.547 χ^2/NDF:204276.5/16

Out: 2150.628+/-0.518 χ^2/NDF:301083.0/19

All: 2166.809+/-0.376 χ^2/NDF: 507430.1/36



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 8933.099+/-7873.458 χ^2/NDF:0.0/1

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -1314.941+/-12514.271 χ^2/NDF:0.0/0

Left: 6026.902+/-6664.194 χ^2/NDF: 0.5/2

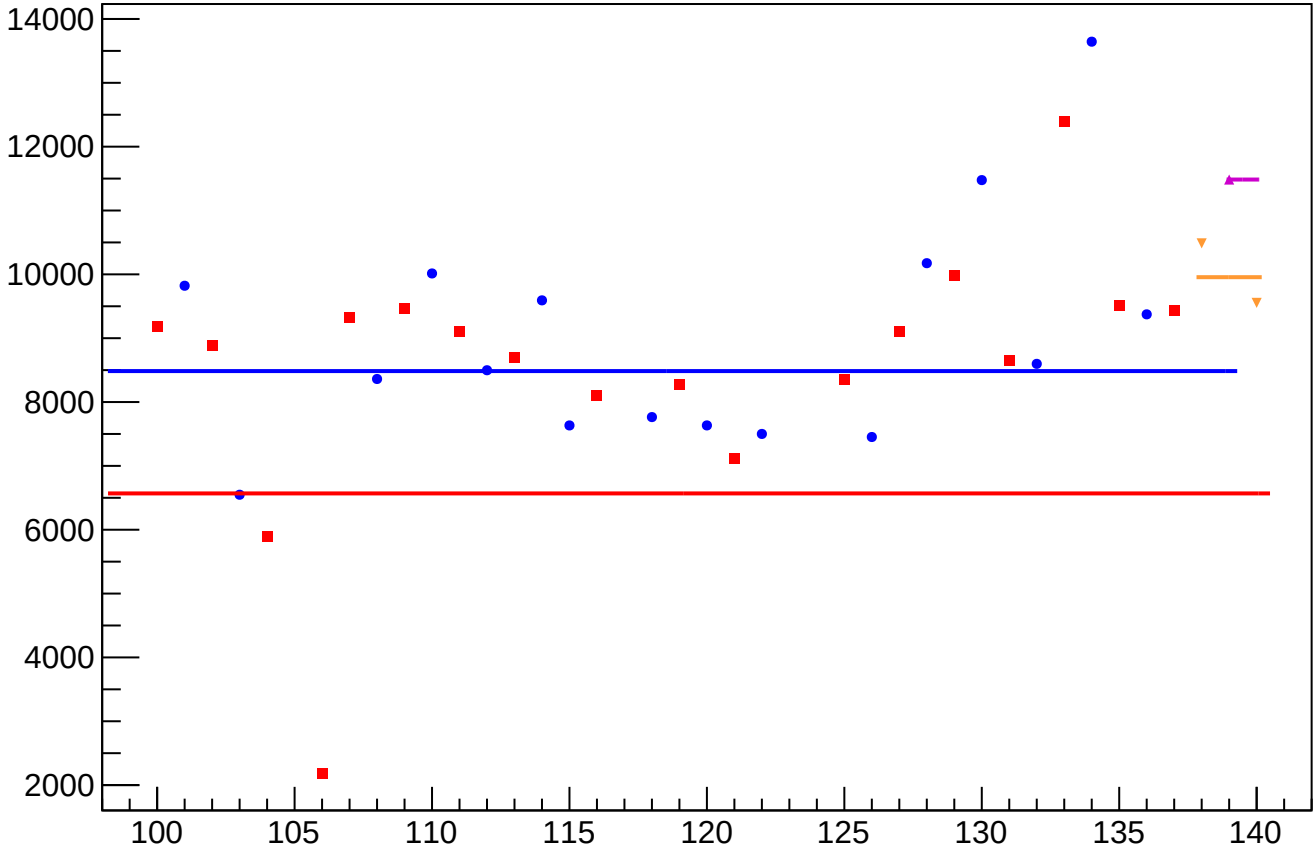
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -2027.873+/-3111.240 χ^2/NDF:14.4/16

Out: 1415.713+/-2567.182 χ^2/NDF:16.7/19

All: 20.854+/-1980.128 χ^2/NDF: 31.9/36

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9955.629+/-5.567 χ^2/NDF:6876.5/1

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 11485.026+/-8.849 χ^2/NDF:0.0/0

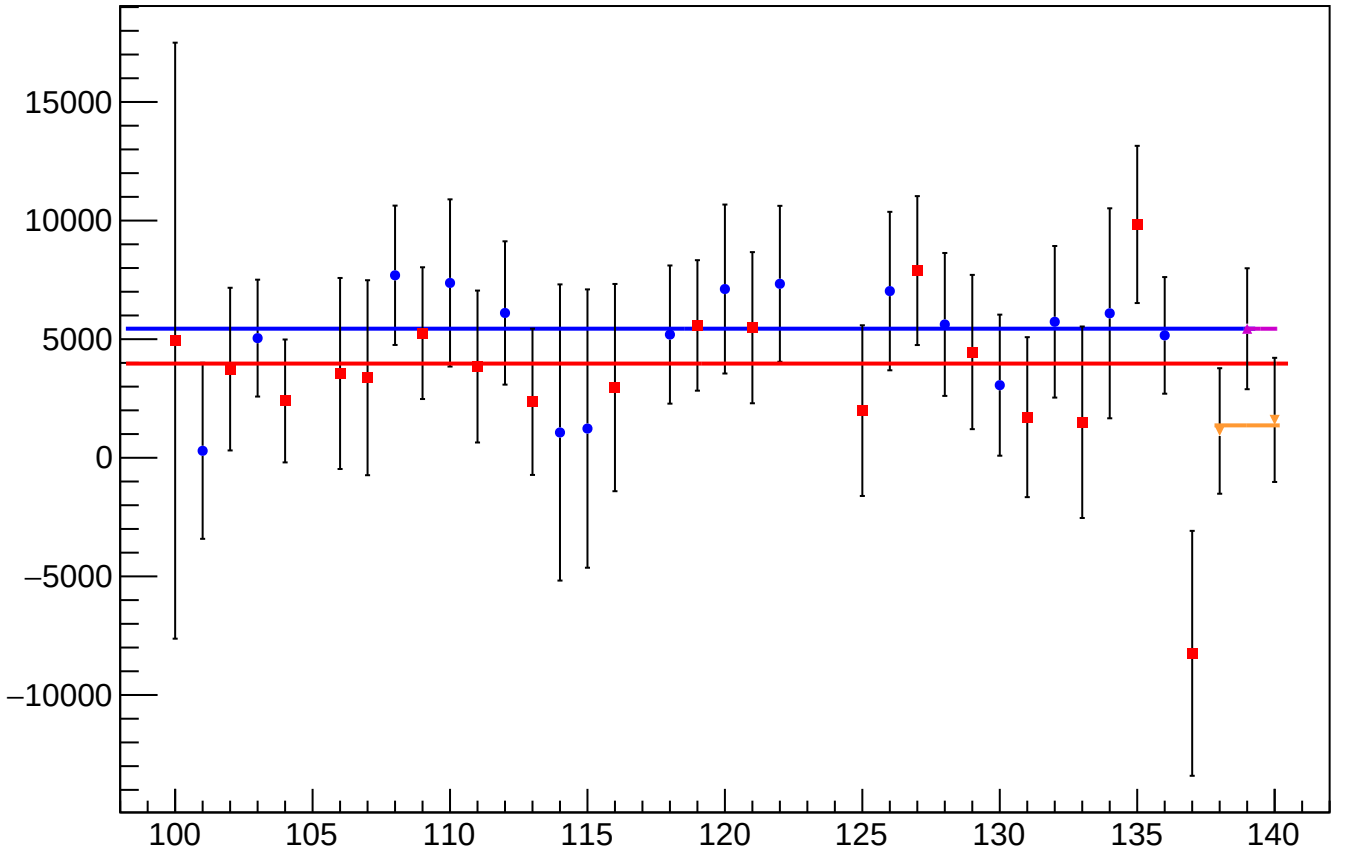
Left: 10389.344+/-4.712 χ^2/NDF: 28277.0/2

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8670.430+/-2.200 χ^2/NDF:530541.2/16

Out: 6928.781+/-1.815 χ^2/NDF:2906509.4/19

All: 7634.253+/-1.400 χ^2/NDF: 3809920.7/36



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1366.457+/-1860.557 χ^2/NDF:0.0/1

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5440.435+/-2549.555 χ^2/NDF:0.0/0

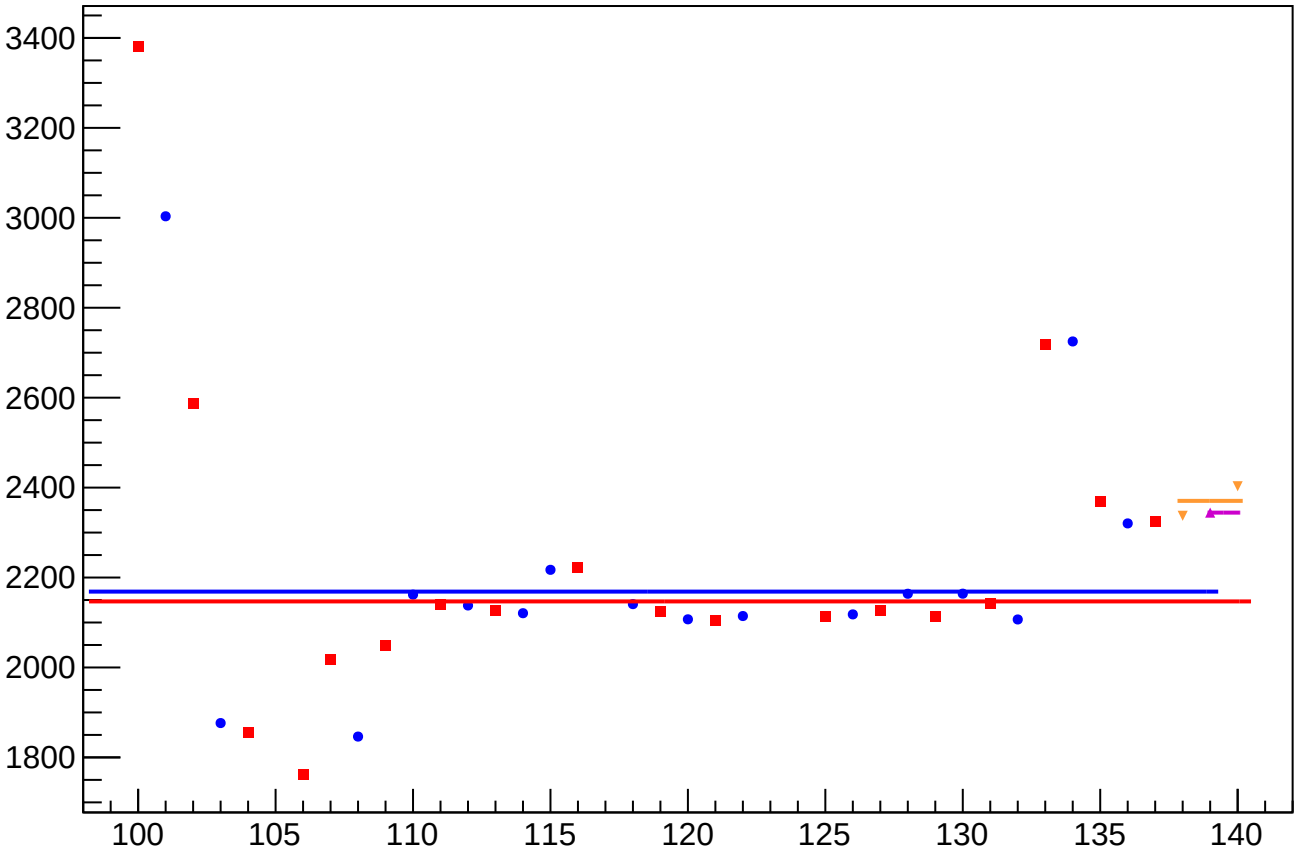
Left: 2782.128+/-1502.921 χ^2/NDF: 1.7/2

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5442.290+/-774.169 χ^2/NDF:5.4/16

Out: 3557.245+/-741.919 χ^2/NDF:14.6/19

All: 4459.686+/-535.654 χ^2/NDF: 23.1/36



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2370.505+/-1.316 χ^2/NDF:622.6/1

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2344.359+/-1.803 χ^2/NDF:0.0/0

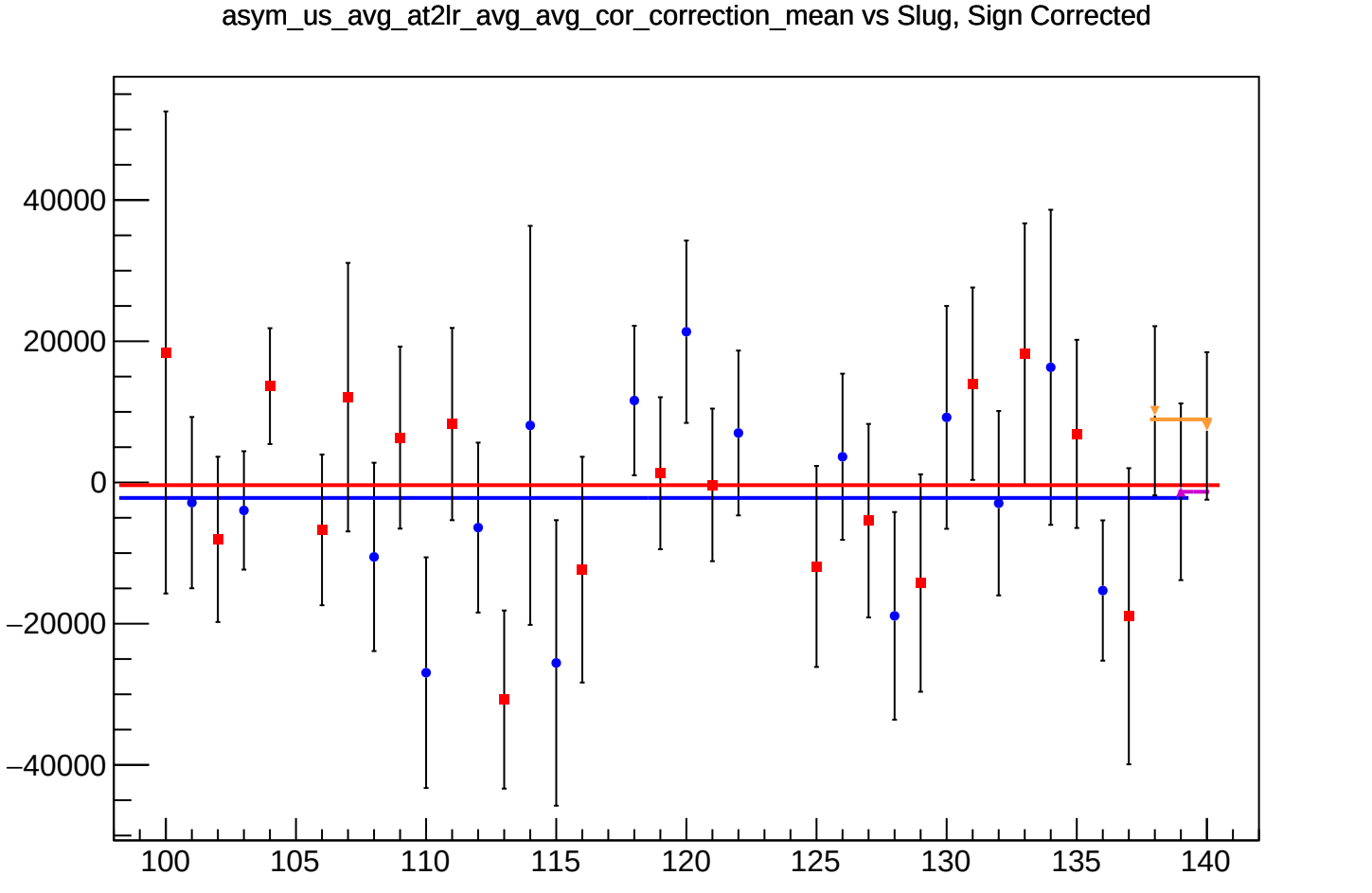
Left: 2361.420+/-1.063 χ^2/NDF: 759.8/2

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2184.910+/-0.547 χ^2/NDF:204276.8/16

Out: 2182.149+/-0.522 χ^2/NDF:182708.3/19

All: 2183.465+/-0.378 χ^2/NDF: 386998.4/36



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 8933.390+/-7873.447 χ^2/NDF:0.0/1

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -1314.872+/-12514.267 χ^2/NDF:0.0/0

Left: 6027.134+/-6664.187 χ^2/NDF: 0.5/2

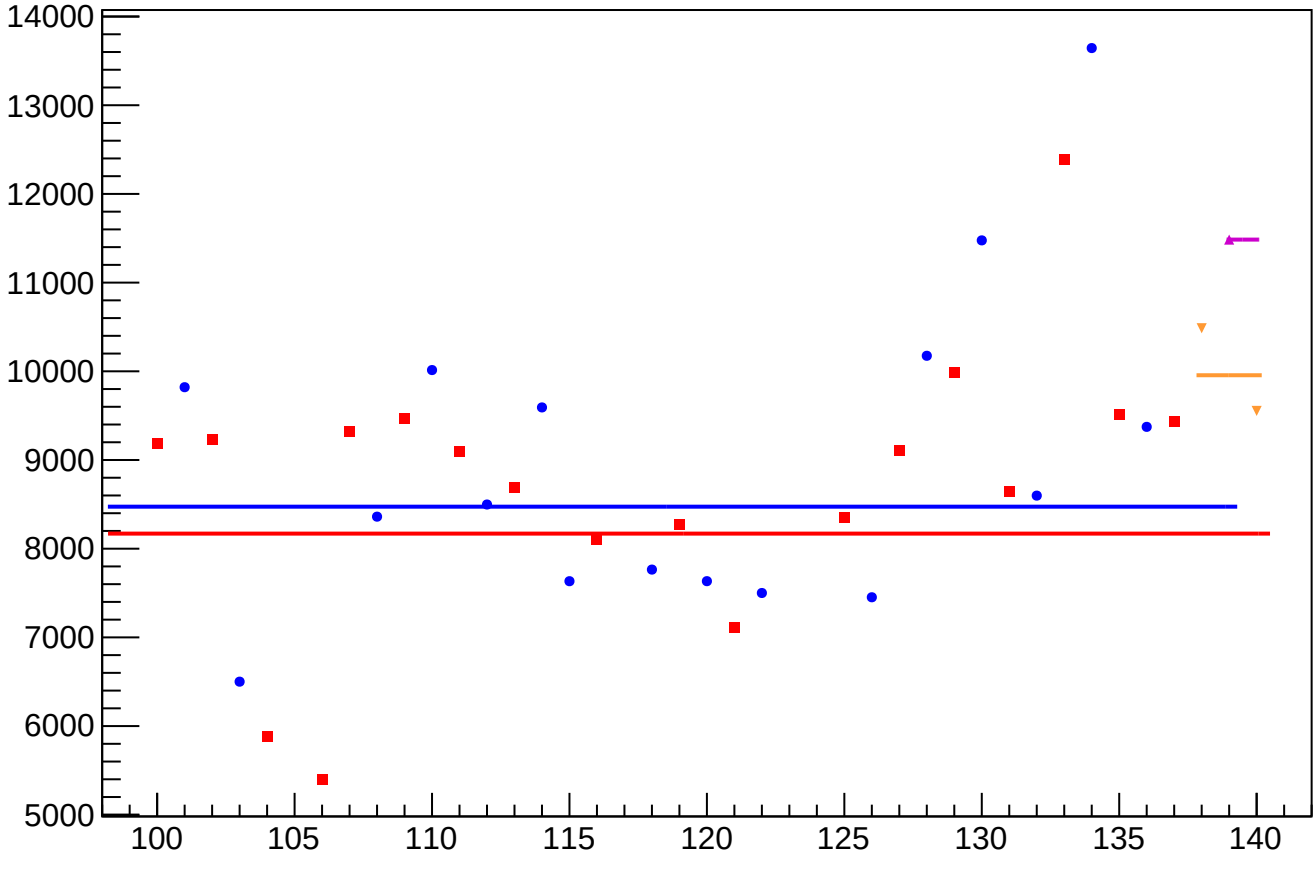
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -2135.324+/-3107.997 χ^2/NDF:14.5/16

Out: 870.631+/-2884.436 χ^2/NDF:17.5/19

All: -520.358+/-2114.225 χ^2/NDF: 32.5/36

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9955.615+/-5.567 χ^2/NDF:6876.9/1

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 11485.021+/-8.849 χ^2/NDF:0.0/0

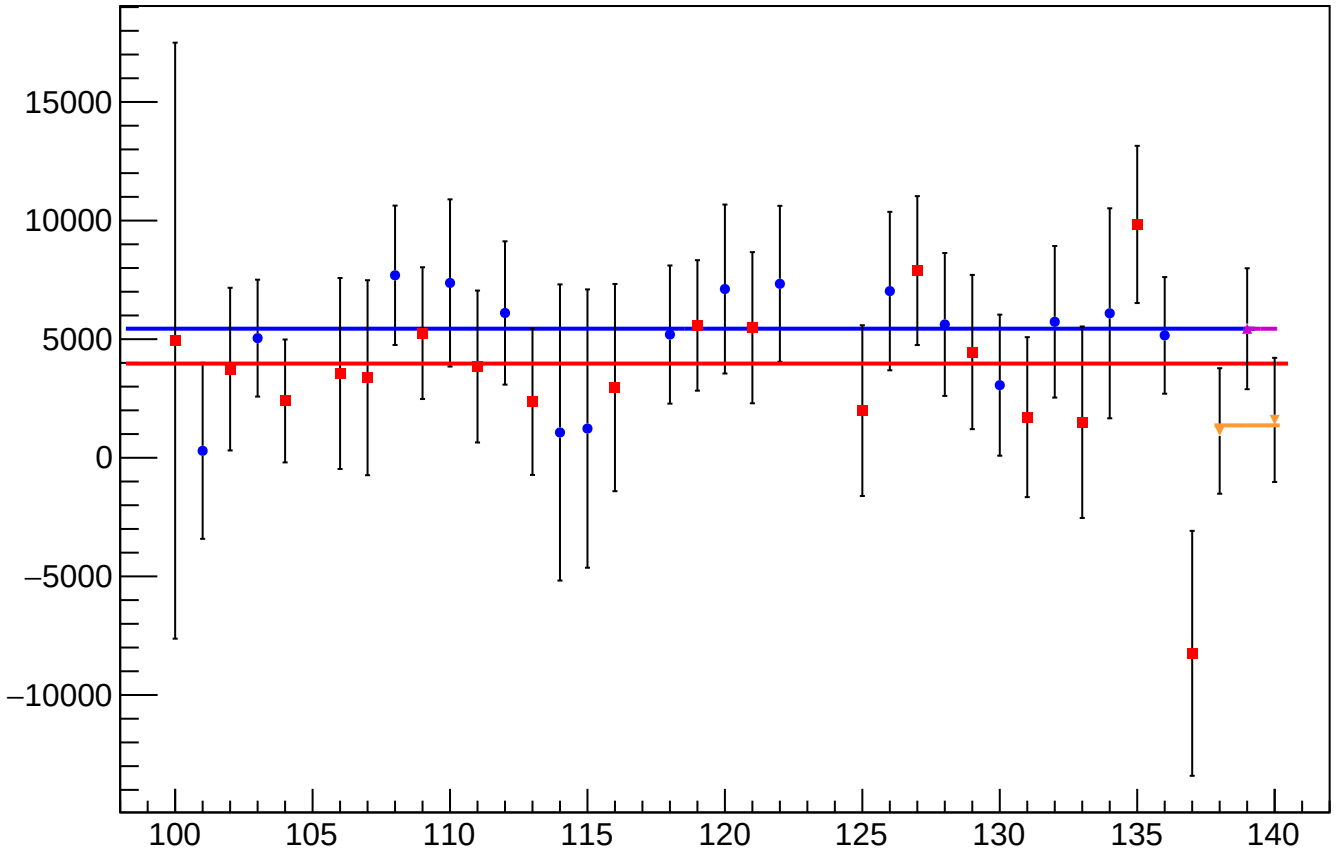
Left: 10389.332+/-4.712 χ^2/NDF: 28277.6/2

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8659.481+/-2.198 χ^2/NDF:538207.7/16

Out: 8409.675+/-2.040 χ^2/NDF:635860.9/19

All: 8525.271+/-1.495 χ^2/NDF: 1181010.2/36



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1366.457+/-1860.557 χ^2/NDF:0.0/1

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5440.435+/-2549.555 χ^2/NDF:0.0/0

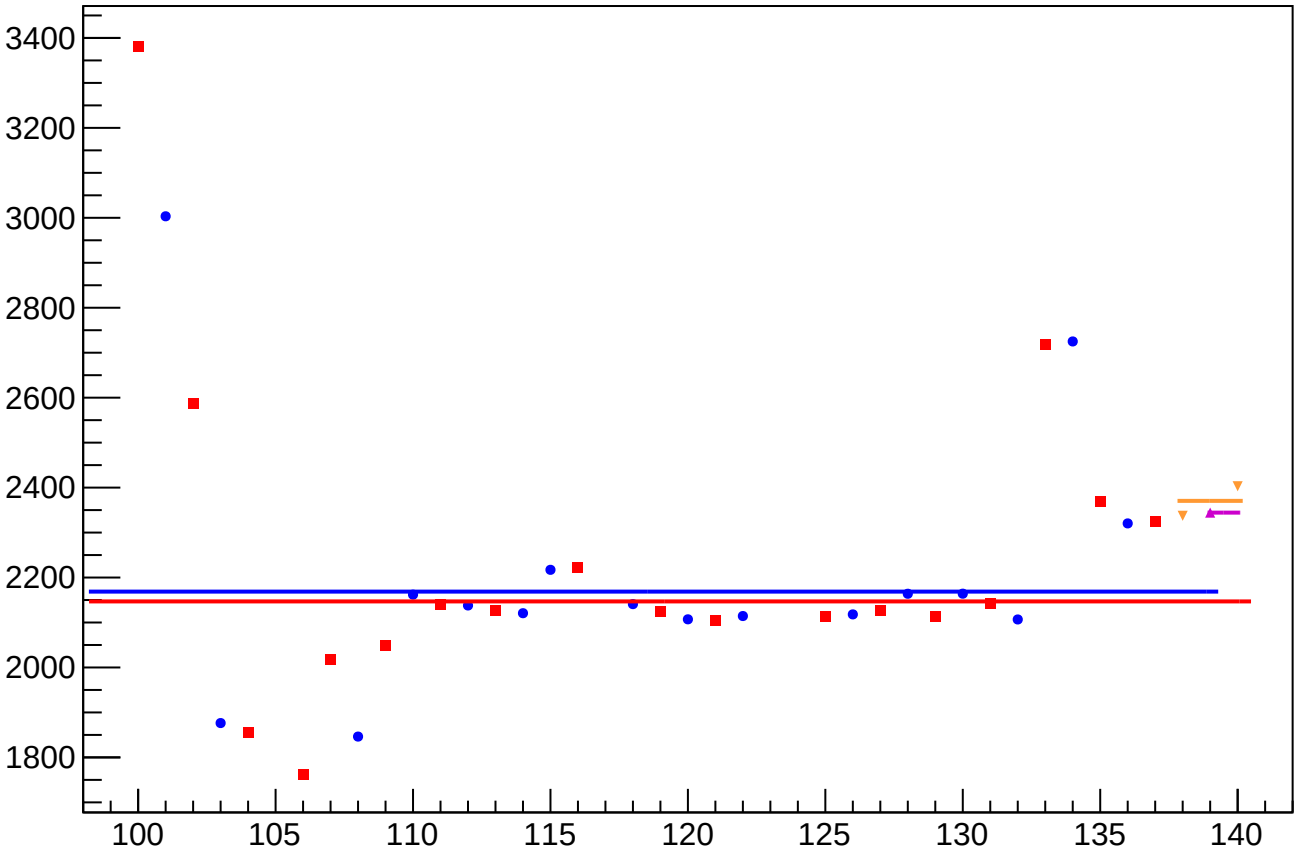
Left: 2782.128+/-1502.921 χ^2/NDF: 1.7/2

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5442.290+/-774.169 χ^2/NDF:5.4/16

Out: 3557.245+/-741.919 χ^2/NDF:14.6/19

All: 4459.686+/-535.654 χ^2/NDF: 23.1/36



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2370.505+/-1.316 χ^2/NDF:622.6/1

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2344.359+/-1.803 χ^2/NDF:0.0/0

Left: 2361.420+/-1.063 χ^2/NDF: 759.8/2

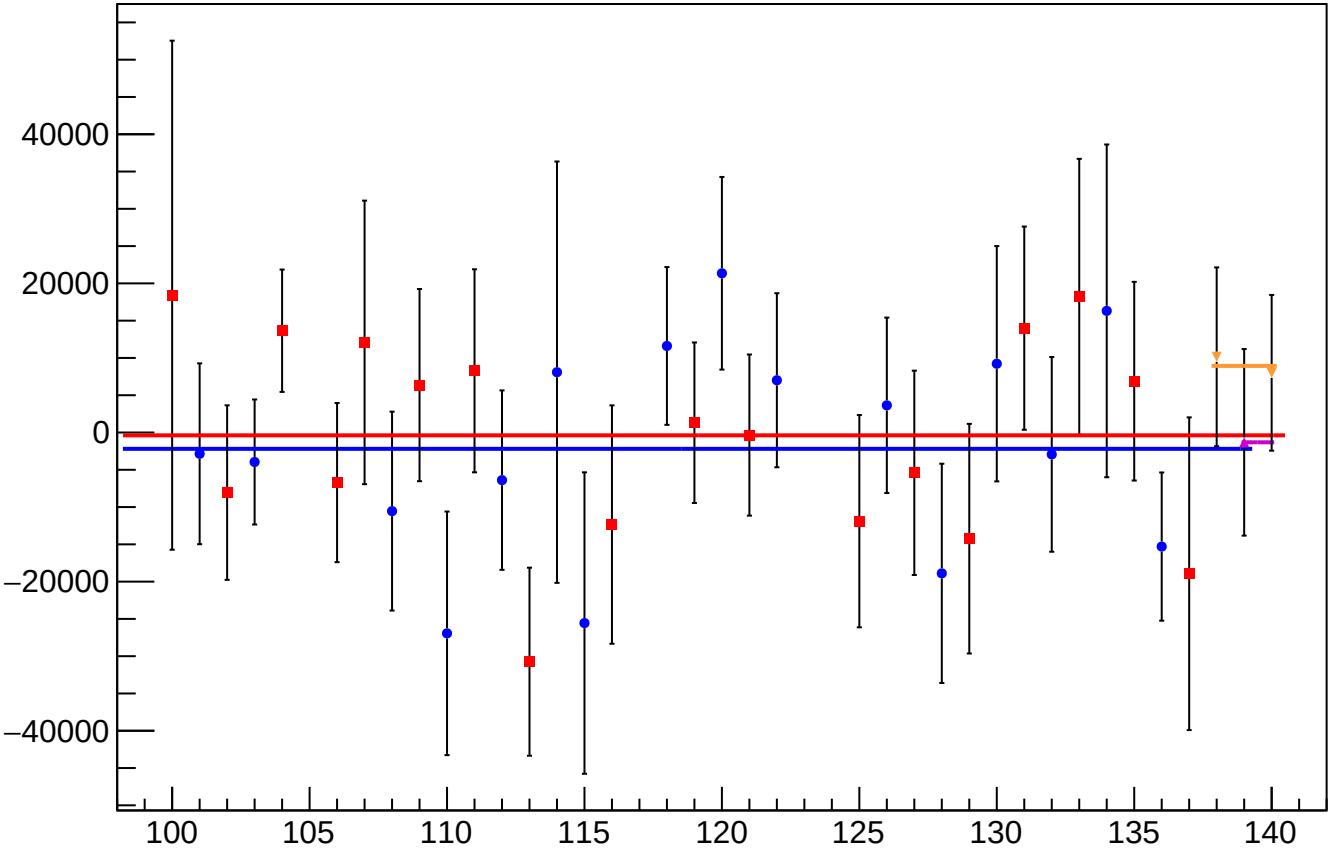
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2184.910+/-0.547 χ^2/NDF:204276.8/16

Out: 2182.149+/-0.522 χ^2/NDF:182708.3/19

All: 2183.465+/-0.378 χ^2/NDF: 386998.4/36

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 8933.390+/-7873.447 χ^2/NDF:0.0/1

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -1314.872+/-12514.267 χ^2/NDF:0.0/0

Left: 6027.134+/-6664.187 χ^2/NDF: 0.5/2

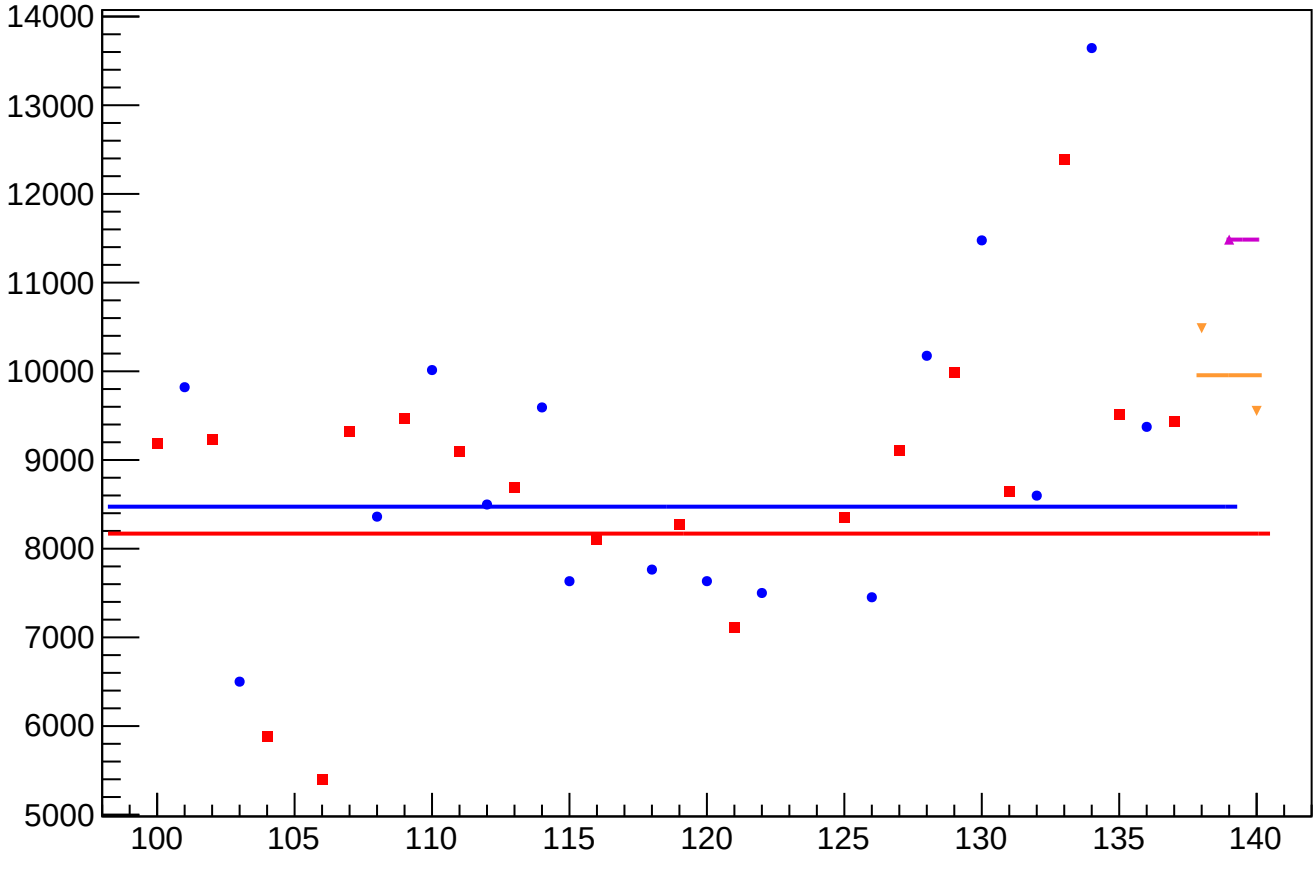
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -2135.324+/-3107.997 χ^2/NDF:14.5/16

Out: 870.631+/-2884.436 χ^2/NDF:17.5/19

All: -520.358+/-2114.225 χ^2/NDF: 32.5/36

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9955.615+/-5.567 χ^2/NDF:6876.9/1

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 11485.021+/-8.849 χ^2/NDF:0.0/0

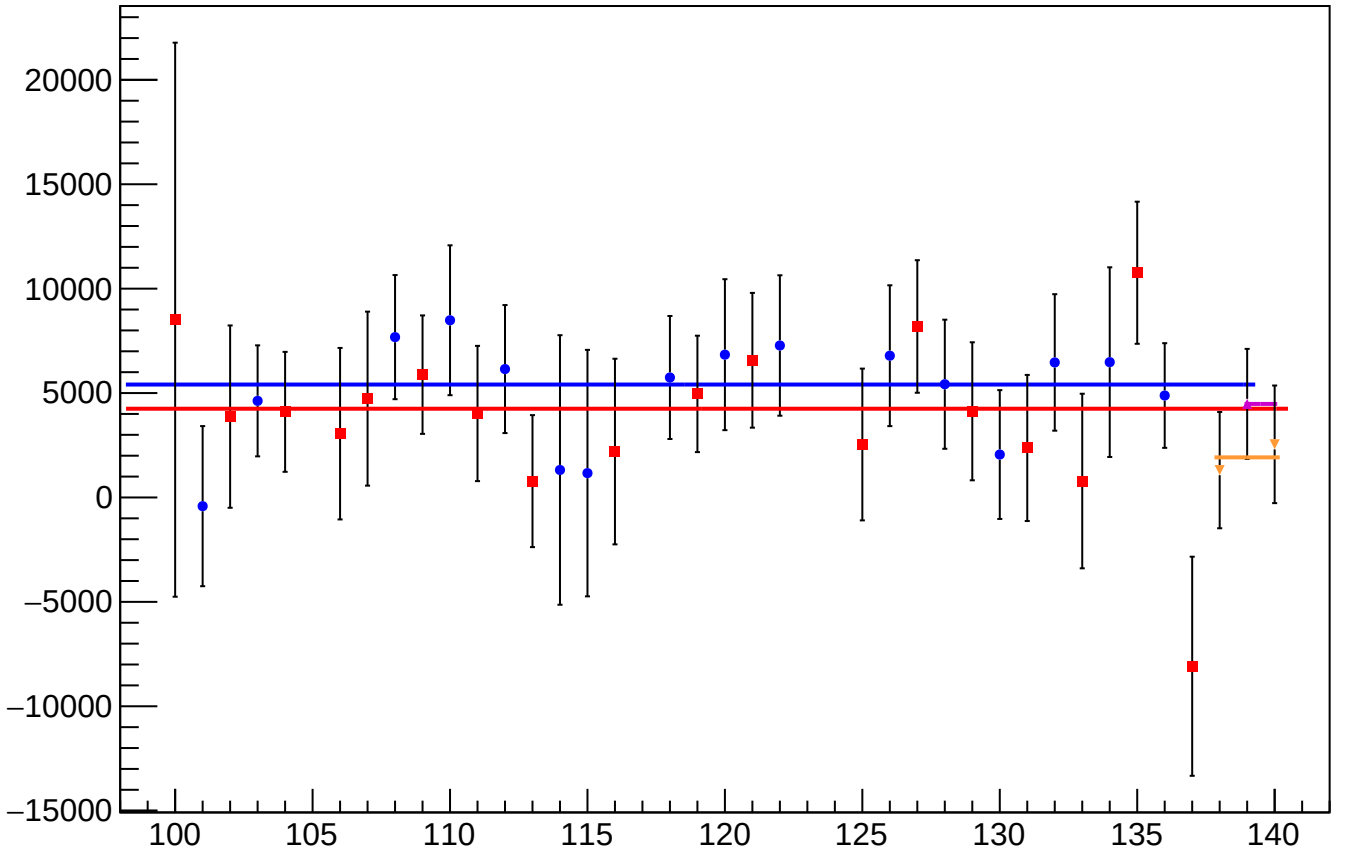
Left: 10389.332+/-4.712 χ^2/NDF: 28277.6/2

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8659.481+/-2.198 χ^2/NDF:538207.7/16

Out: 8409.675+/-2.040 χ^2/NDF:635860.9/19

All: 8525.271+/-1.495 χ^2/NDF: 1181010.2/36



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1920.035+/-1980.214 χ^2/NDF:0.1/1

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 4479.973+/-2635.878 χ^2/NDF:0.0/0

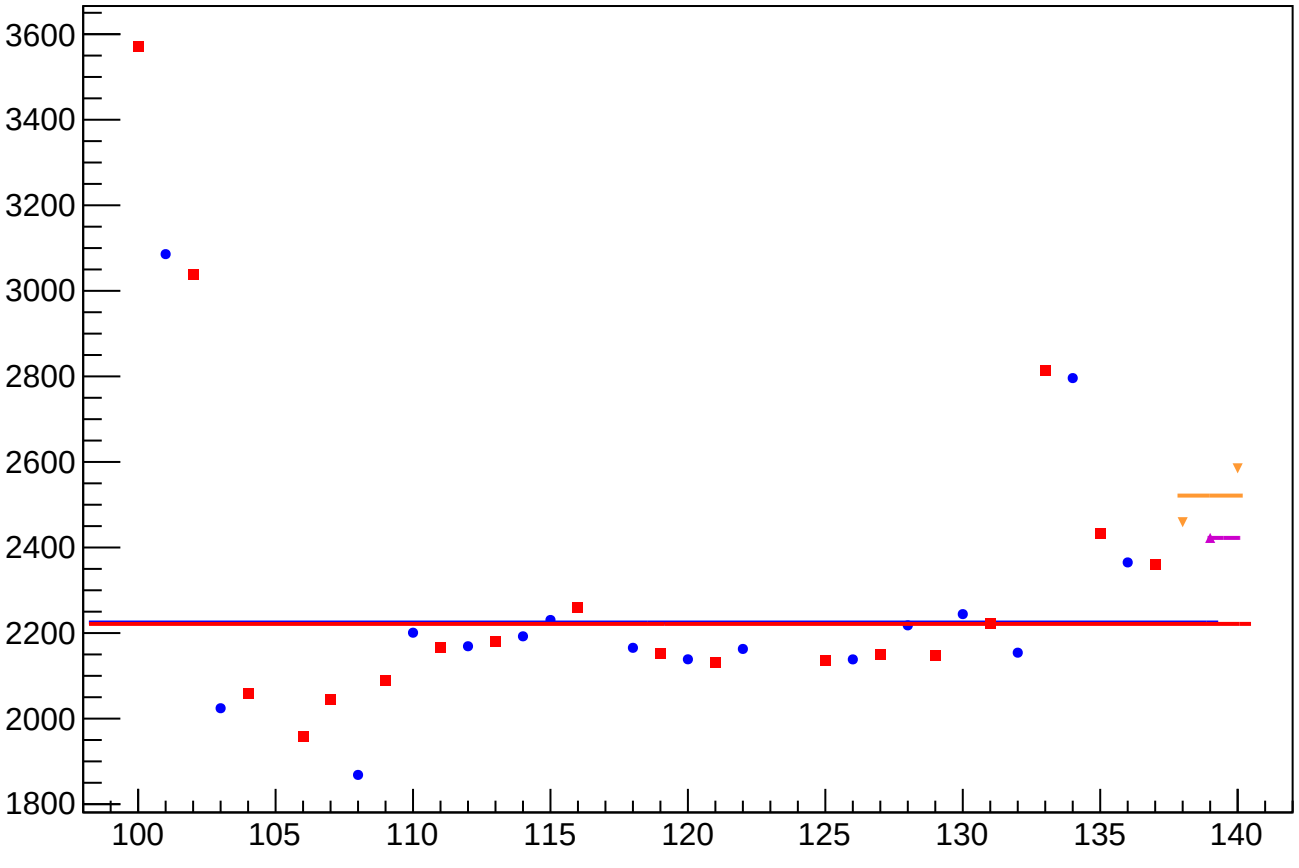
Left: 2843.584+/-1583.218 χ^2/NDF: 0.7/2

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5323.486+/-794.878 χ^2/NDF:6.8/16

Out: 3895.068+/-772.783 χ^2/NDF:15.7/19

All: 4589.148+/-554.087 χ^2/NDF: 24.2/36



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2521.357+/-1.400 χ^2/NDF:2022.8/1

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2422.442+/-1.864 χ^2/NDF:0.0/0

Left: 2485.672+/-1.120 χ^2/NDF: 3823.1/2

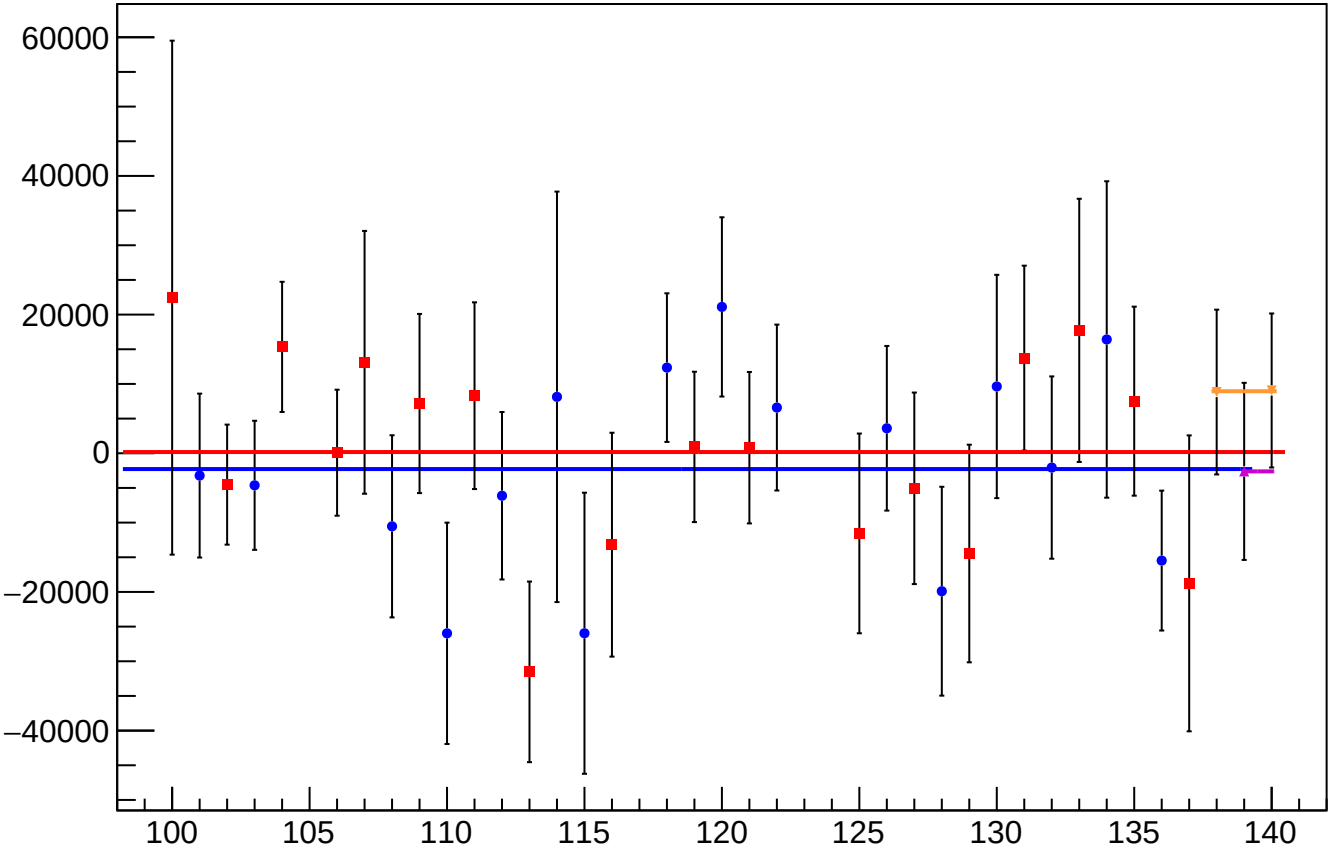
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2242.604+/-0.562 χ^2/NDF:194921.0/16

Out: 2267.056+/-0.546 χ^2/NDF:210869.5/19

All: 2255.181+/-0.392 χ^2/NDF: 406764.0/36

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 8948.086+/-8114.076 χ^2/NDF:0.0/1

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -2612.623+/-12770.100 χ^2/NDF:0.0/0

Left: 5623.092+/-6848.532 χ^2/NDF: 0.6/2

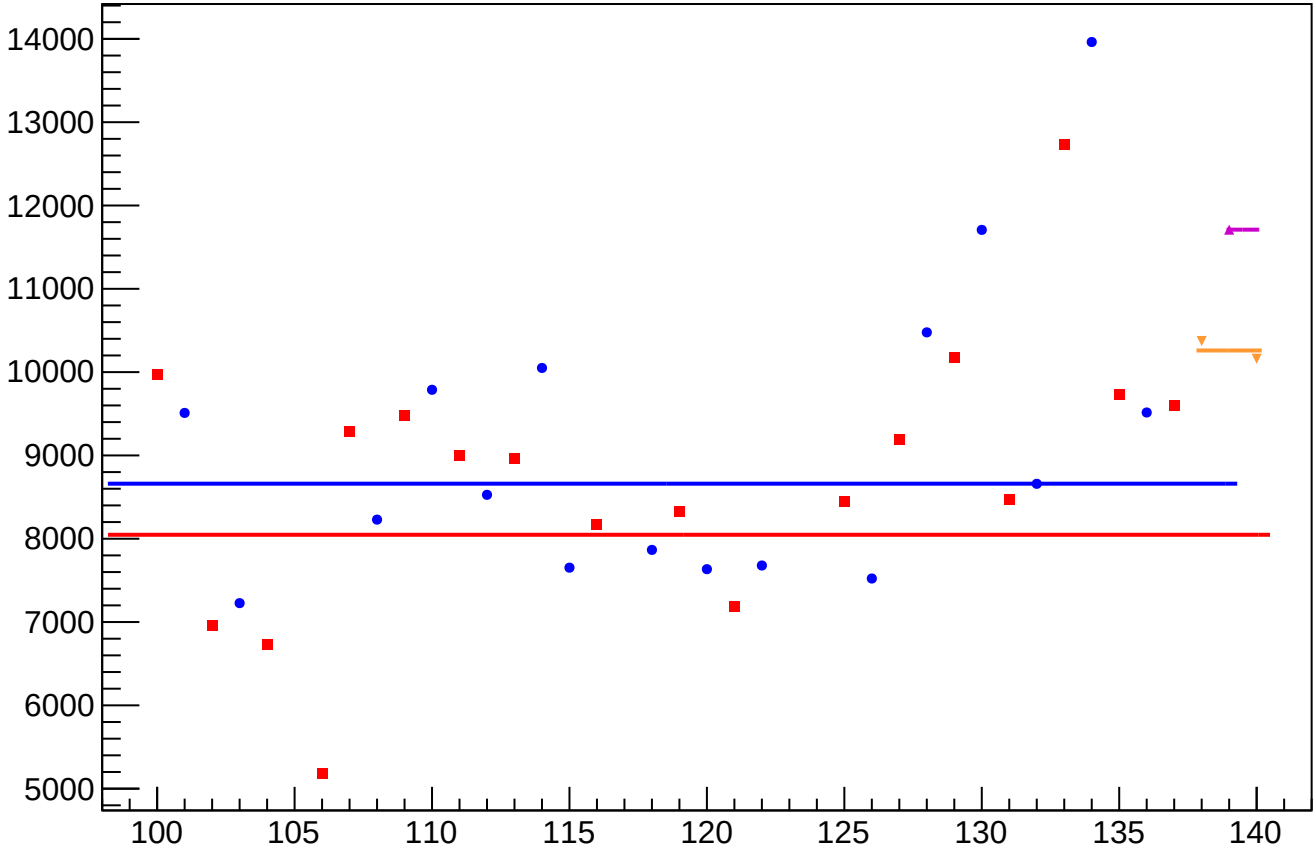
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -2299.025+/-3169.383 χ^2/NDF:14.5/16

Out: 1253.765+/-2842.946 χ^2/NDF:16.7/19

All: -330.300+/-2116.296 χ^2/NDF: 31.9/36

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10259.820+/-5.738 χ^2/NDF:341.8/1

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 11710.106+/-9.030 χ^2/NDF:0.0/0

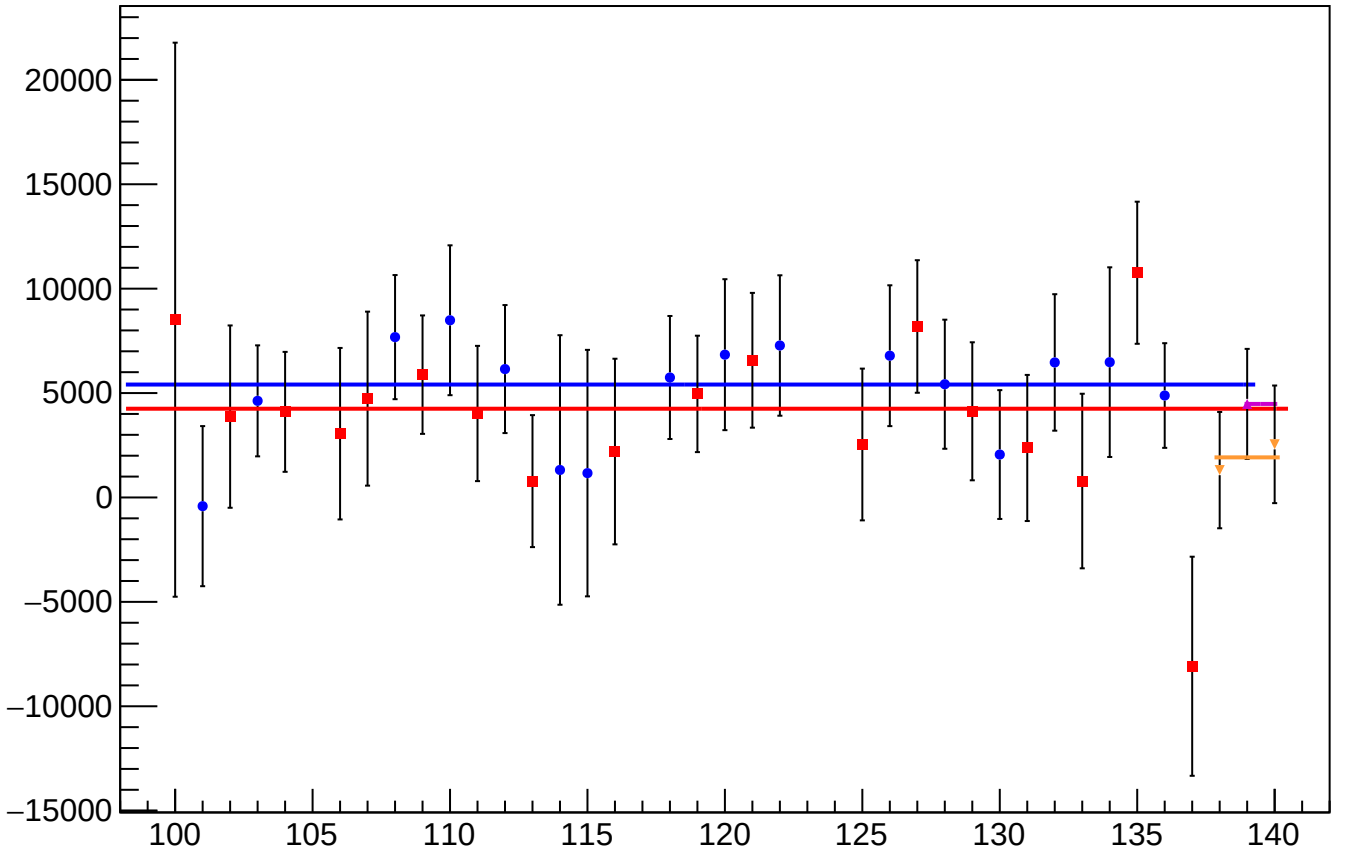
Left: 10676.939+/-4.843 χ^2/NDF: 18718.5/2

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 8848.565+/-2.241 χ^2/NDF:464978.7/16

Out: 8319.050+/-2.010 χ^2/NDF:689332.6/19

All: 8555.143+/-1.496 χ^2/NDF: 1185246.5/36



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1920.041+/-1980.215 χ^2/NDF:0.1/1

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 4479.925+/-2635.882 χ^2/NDF:0.0/0

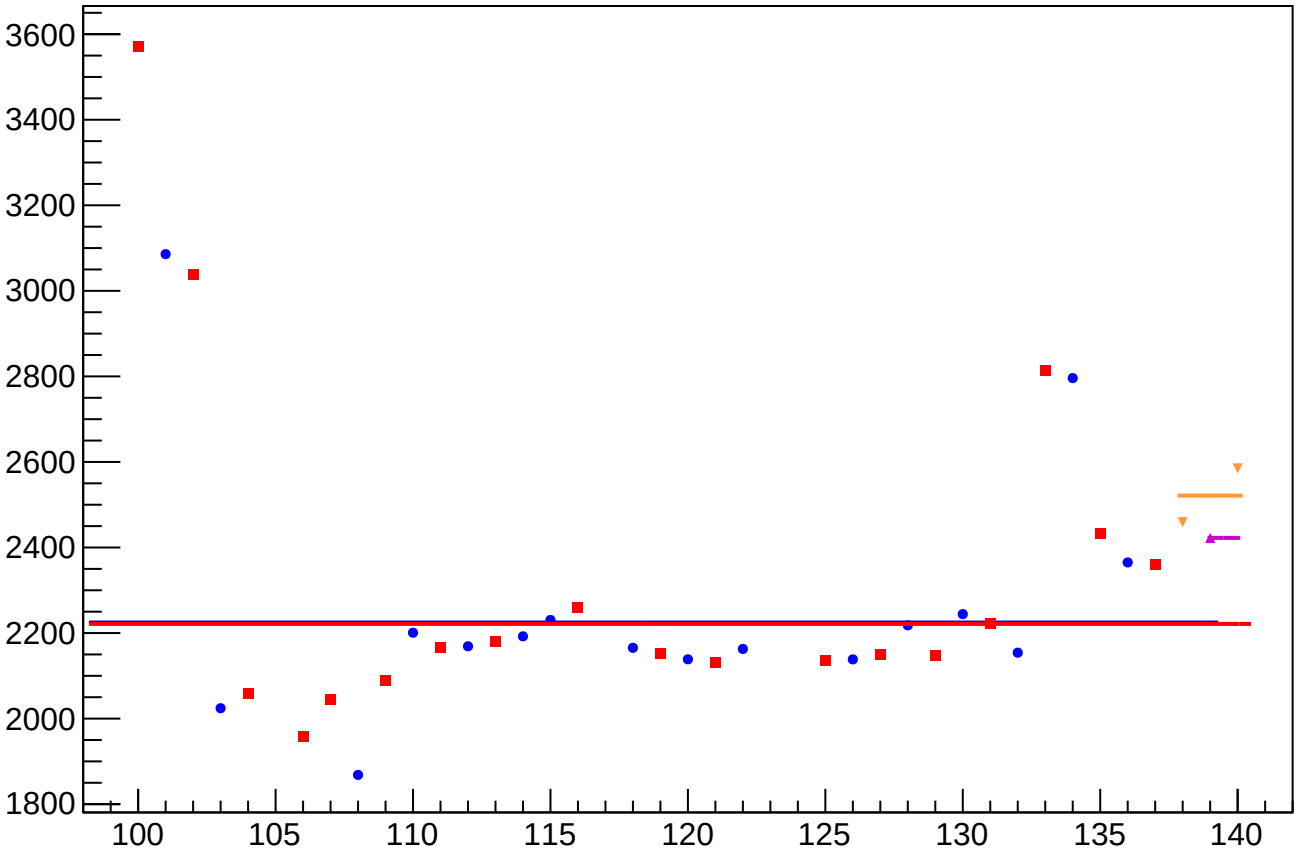
Left: 2843.570+/-1583.219 χ^2/NDF: 0.7/2

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5323.483+/-794.878 χ^2/NDF:6.8/16

Out: 3895.073+/-772.783 χ^2/NDF:15.7/19

All: 4589.150+/-554.087 χ^2/NDF: 24.2/36



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2521.358+/-1.400 χ^2/NDF:2022.8/1

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2422.446+/-1.864 χ^2/NDF:0.0/0

Left: 2485.674+/-1.120 χ^2/NDF: 3823.1/2

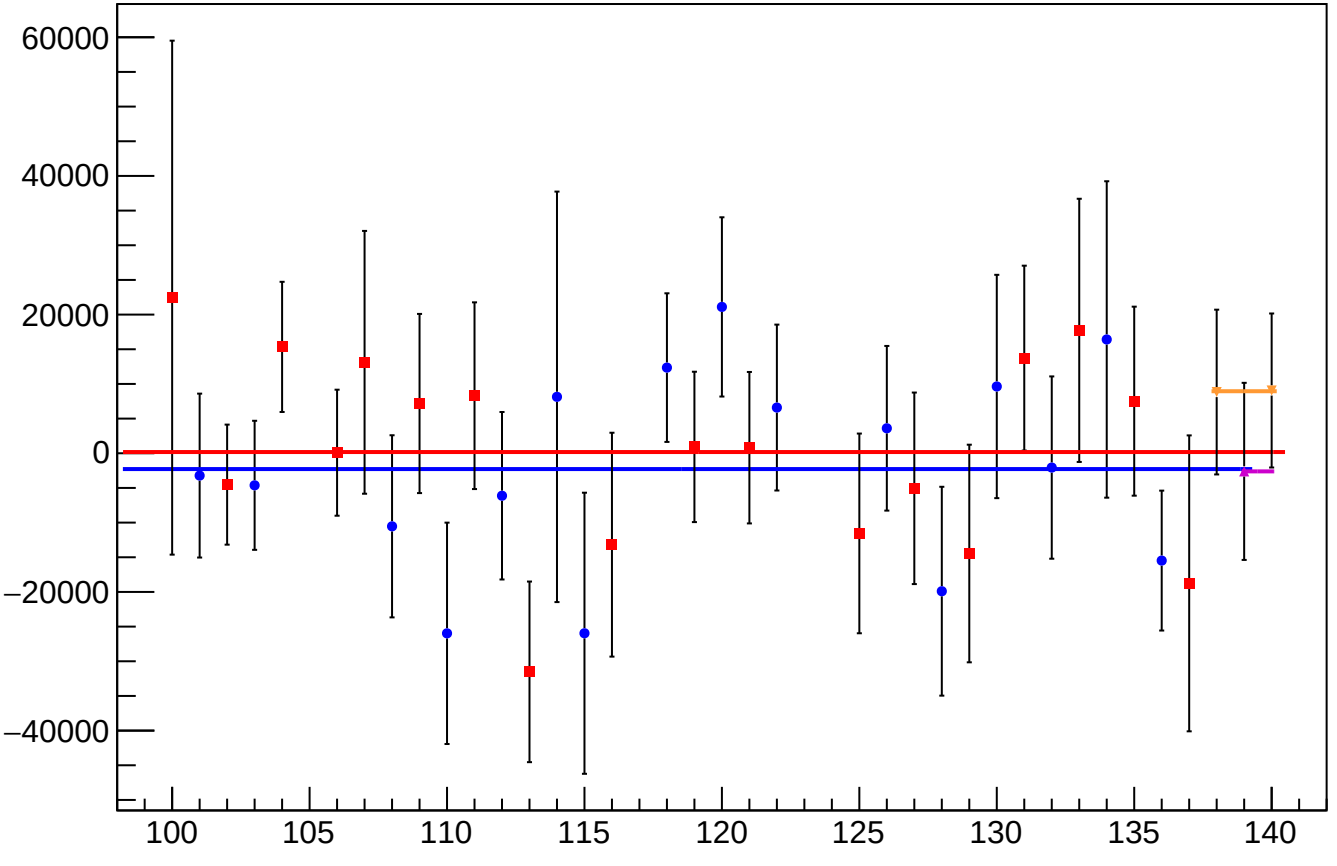
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2242.604+/-0.562 χ^2/NDF:194921.7/16

Out: 2267.056+/-0.546 χ^2/NDF:210870.0/19

All: 2255.181+/-0.392 χ^2/NDF: 406765.1/36

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 8948.092+/-8114.089 χ^2/NDF:0.0/1

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -2612.665+/-12770.135 χ^2/NDF:0.0/0

Left: 5623.090+/-6848.545 χ^2/NDF: 0.6/2

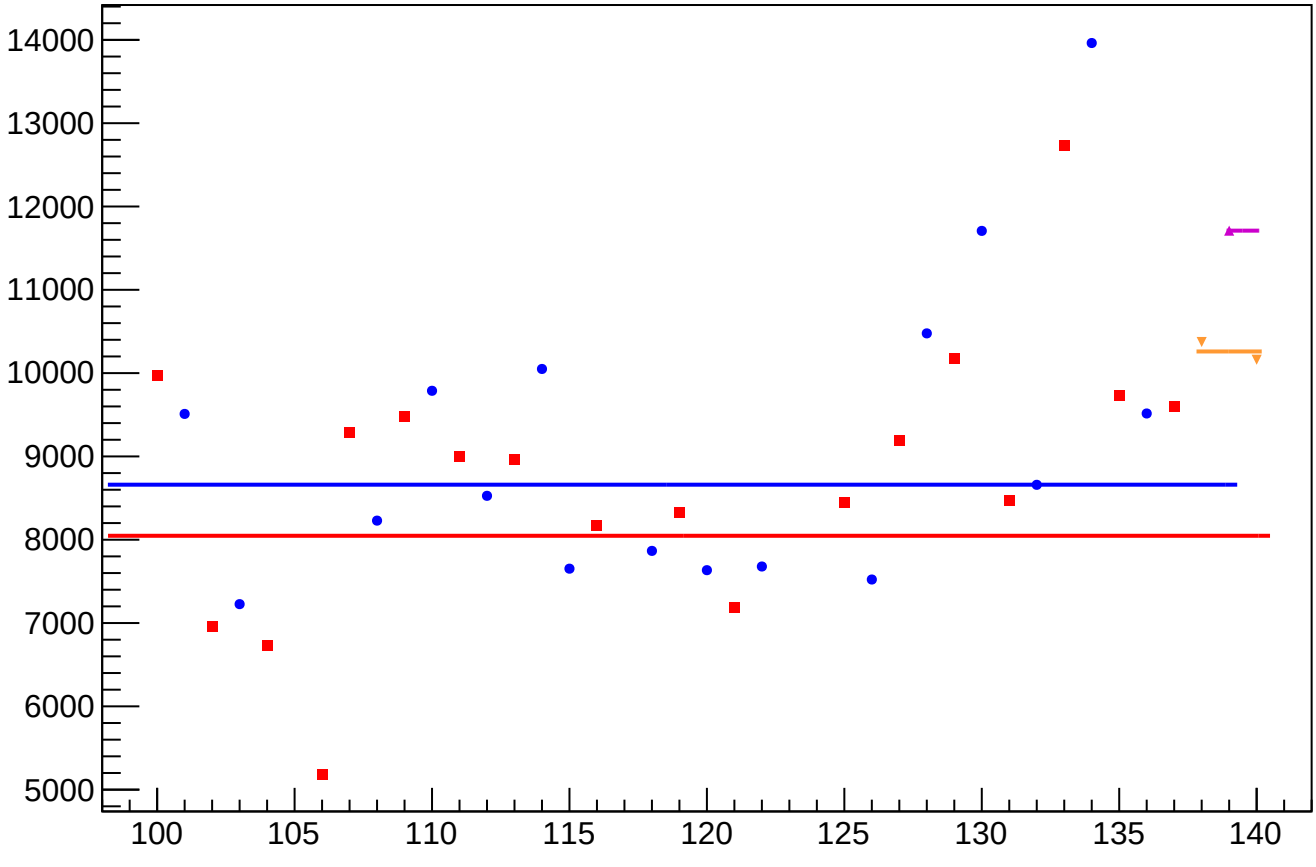
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -2299.006+/-3169.376 χ^2/NDF:14.5/16

Out: 1253.763+/-2842.941 χ^2/NDF:16.7/19

All: -330.293+/-2116.292 χ^2/NDF: 31.9/36

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10259.836+/-5.738 χ^2/NDF:341.9/1

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 11710.138+/-9.030 χ^2/NDF:0.0/0

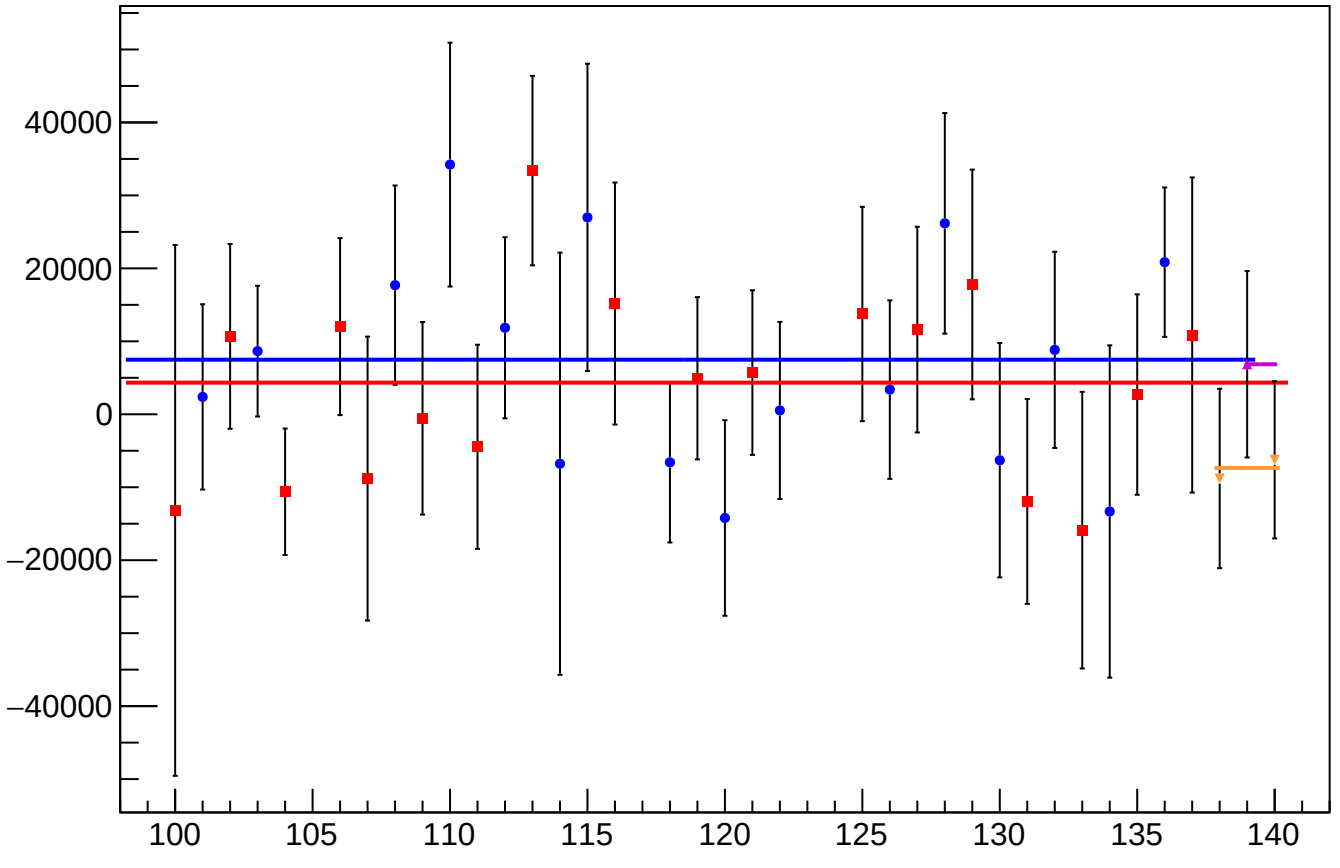
Left: 10676.959+/-4.843 χ^2/NDF: 18718.8/2

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 8848.546+/-2.241 χ^2/NDF:464984.1/16

Out: 8319.035+/-2.010 χ^2/NDF:689334.7/19

All: 8555.125+/-1.496 χ^2/NDF: 1185253.6/36



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -7354.402+/-8103.328 χ^2/NDF:0.0/1

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 6854.962+/-12774.346 χ^2/NDF:0.0/0

Left: -3277.271+/-6842.719 χ^2/NDF: 0.9/2

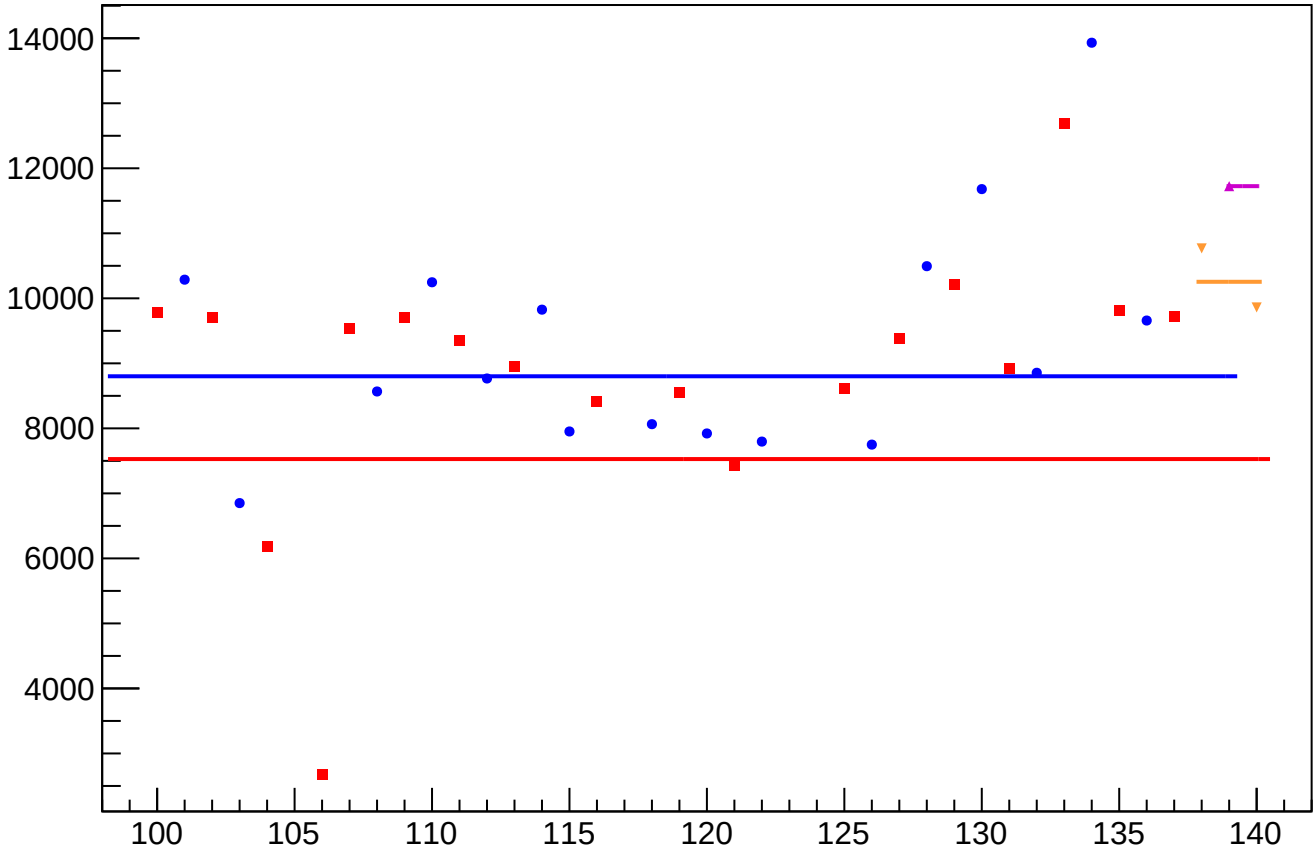
Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 7441.866+/-3223.145 χ^2/NDF:14.0/16

Out: 2724.292+/-3010.532 χ^2/NDF:16.1/19

All: 4922.363+/-2200.095 χ^2/NDF: 31.3/36

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10254.309+/-5.730 χ^2/NDF:6171.4/1

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 11725.226+/-9.033 χ^2/NDF:0.0/0

Left: 10676.364+/-4.839 χ^2/NDF: 25080.0/2

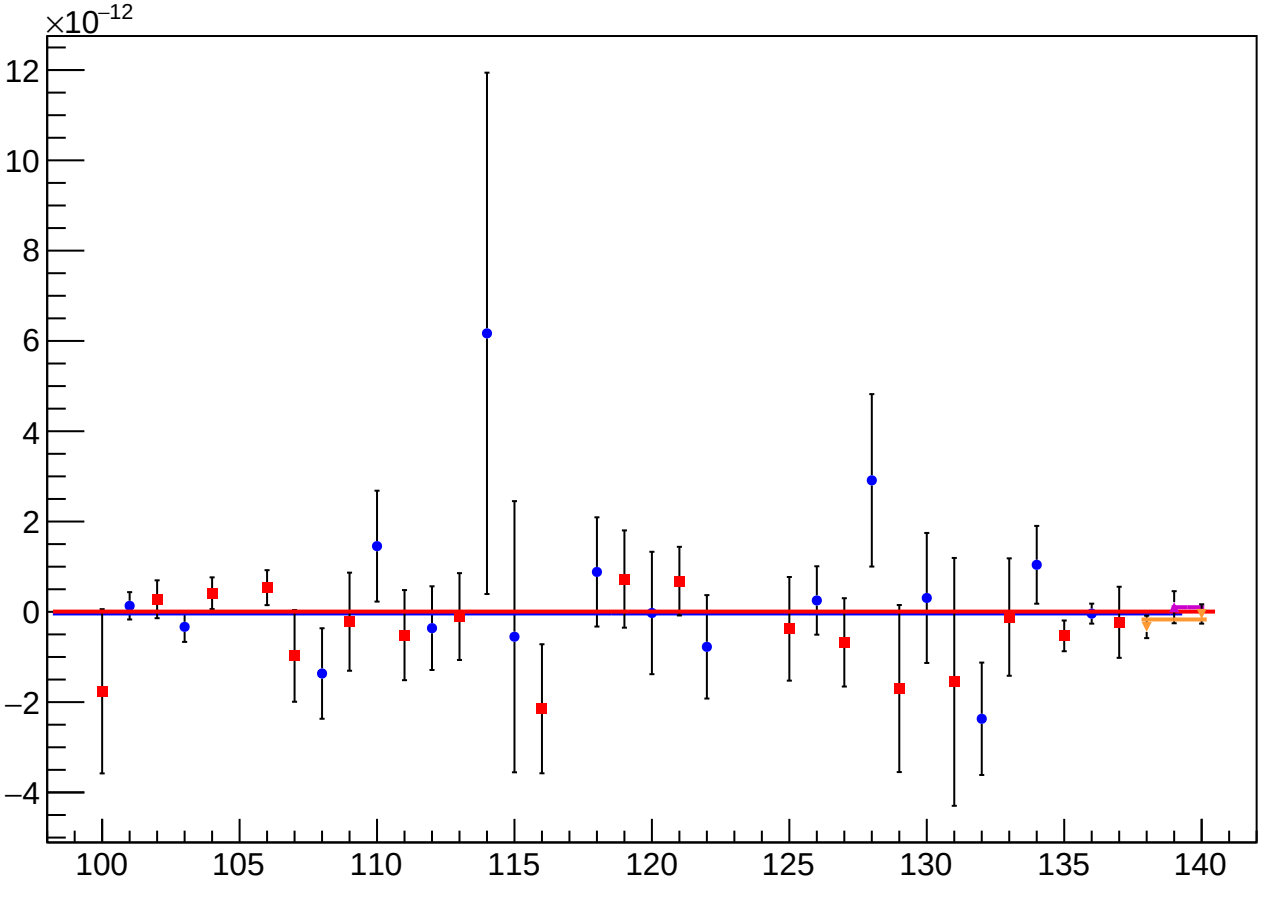
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 8987.229+/-2.279 χ^2/NDF:492701.5/16

Out: 7858.367+/-1.995 χ^2/NDF:1862440.4/19

All: 8348.134+/-1.501 χ^2/NDF: 2494036.7/36

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:0.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

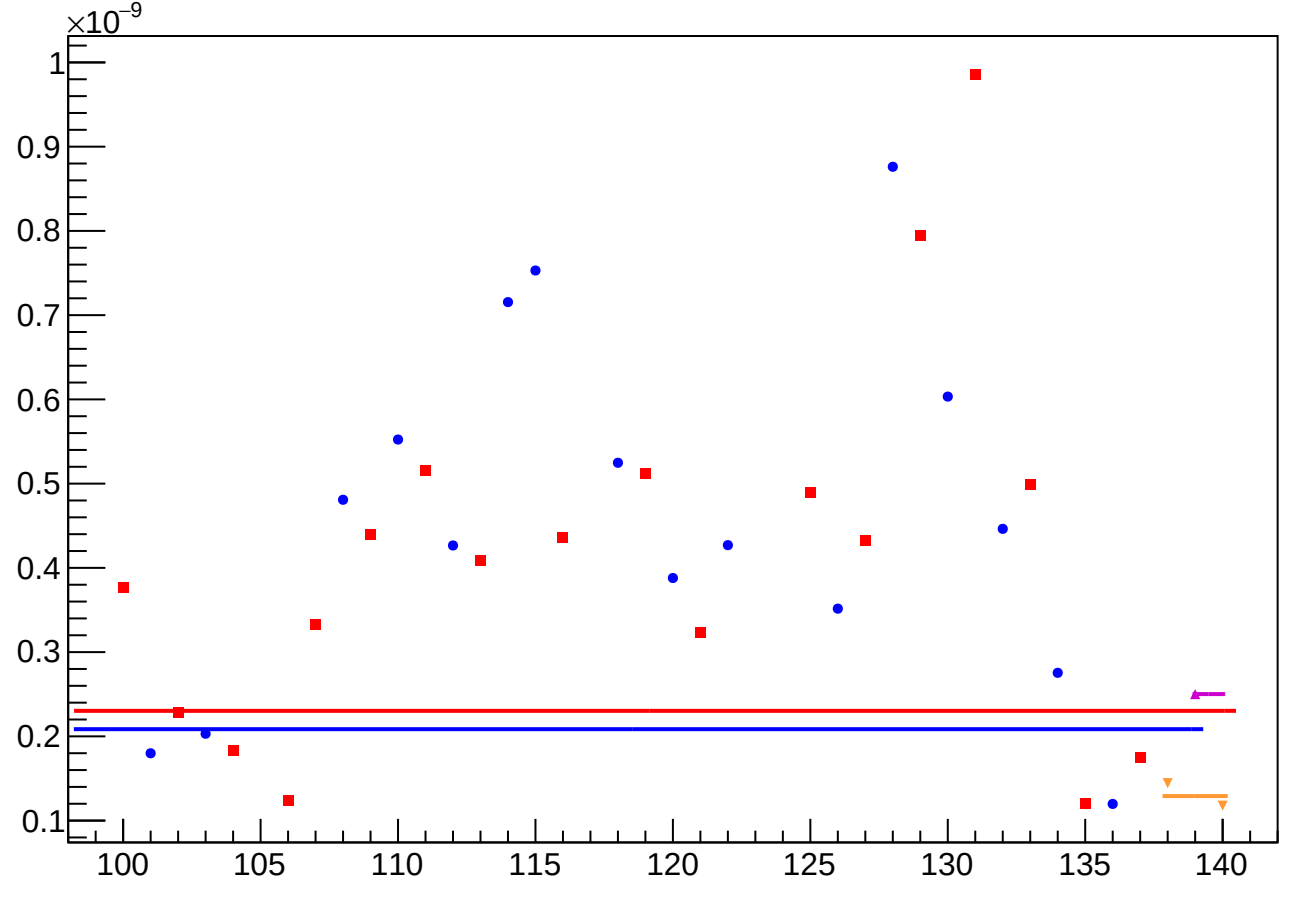
Left: -0.000+/-0.000 χ^2/NDF: 1.2/2

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:14.4/16

Out: -0.000+/-0.000 χ^2/NDF:15.1/19

All: -0.000+/-0.000 χ^2/NDF: 29.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13317.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 205487.9/2

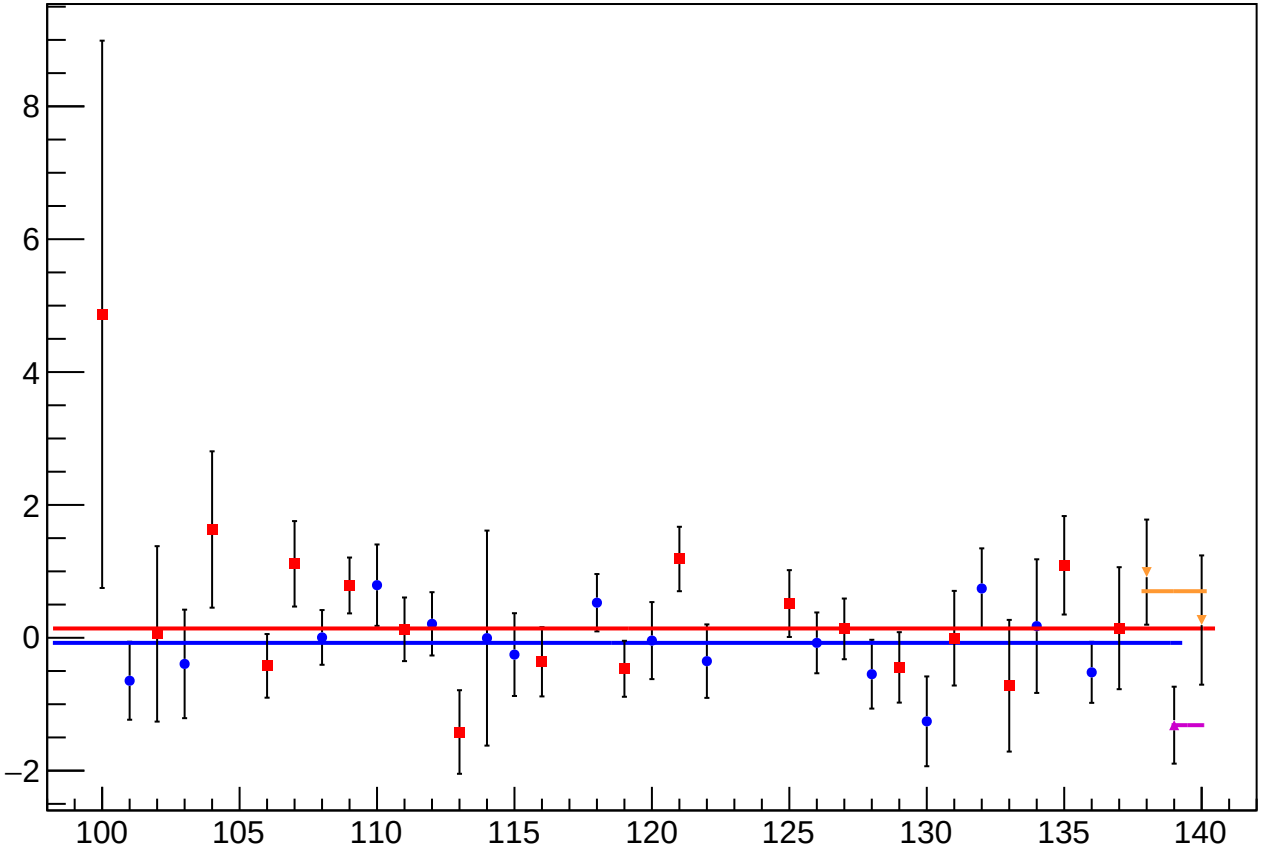
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:1656024.9/16

Out: 0.000+/-0.000 χ^2/NDF:1977994.1/19

All: 0.000+/-0.000 χ^2/NDF: 3705559.6/36

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.701+/-0.614 χ^2/NDF:0.3/1

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -1.315+/-0.579 χ^2/NDF:0.0/0

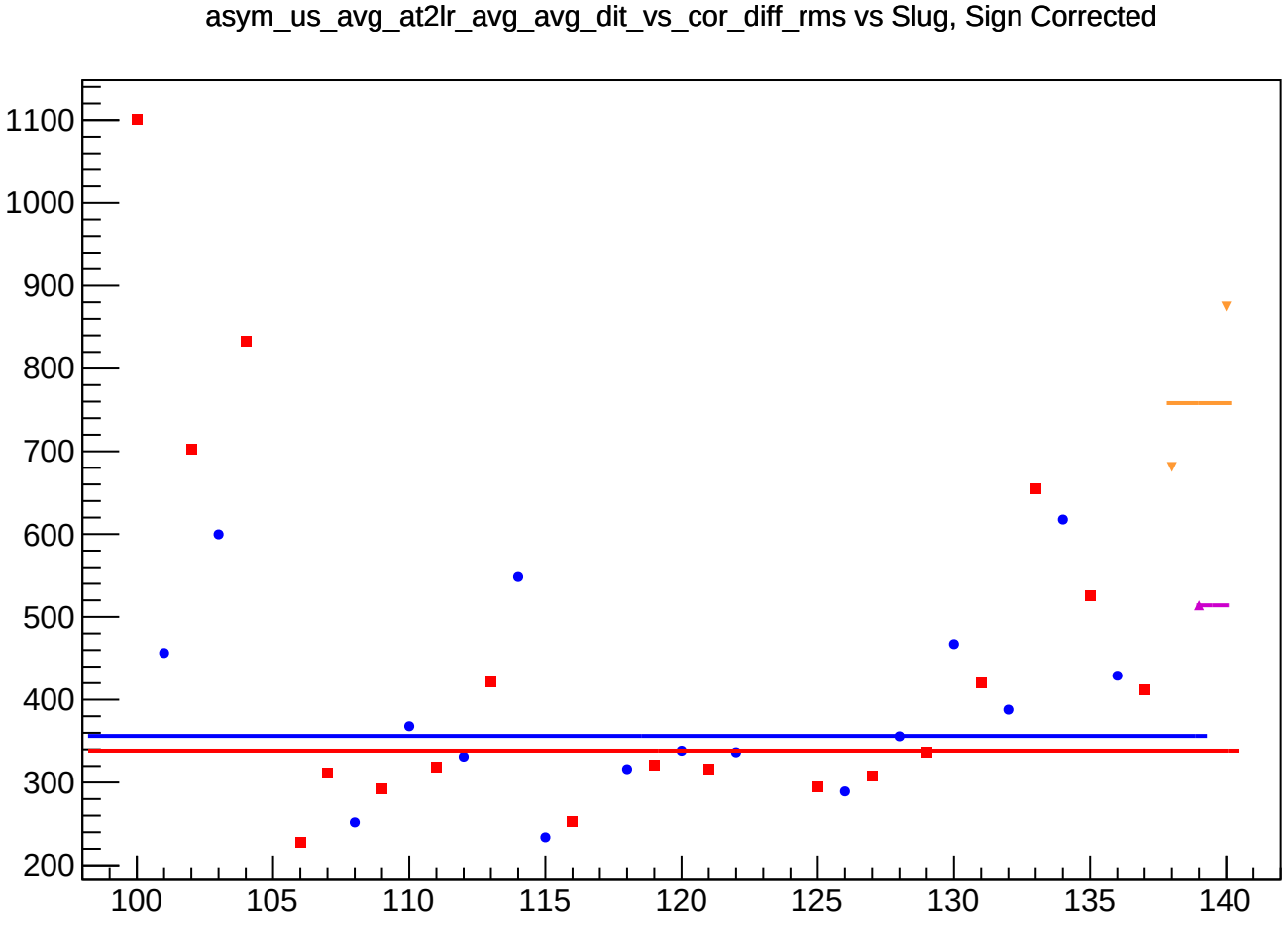
Left: -0.366+/-0.421 χ^2/NDF: 6.0/2

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.145+/-0.136 χ^2/NDF:16.8/16

Out: 0.167+/-0.135 χ^2/NDF:28.1/19

All: 0.013+/-0.096 χ^2/NDF: 47.6/36



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 758.240+/-0.434 χ^2/NDF:47786.6/1

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 514.012+/-0.409 χ^2/NDF:0.0/0

Left: 629.016+/-0.298 χ^2/NDF: 215296.1/2

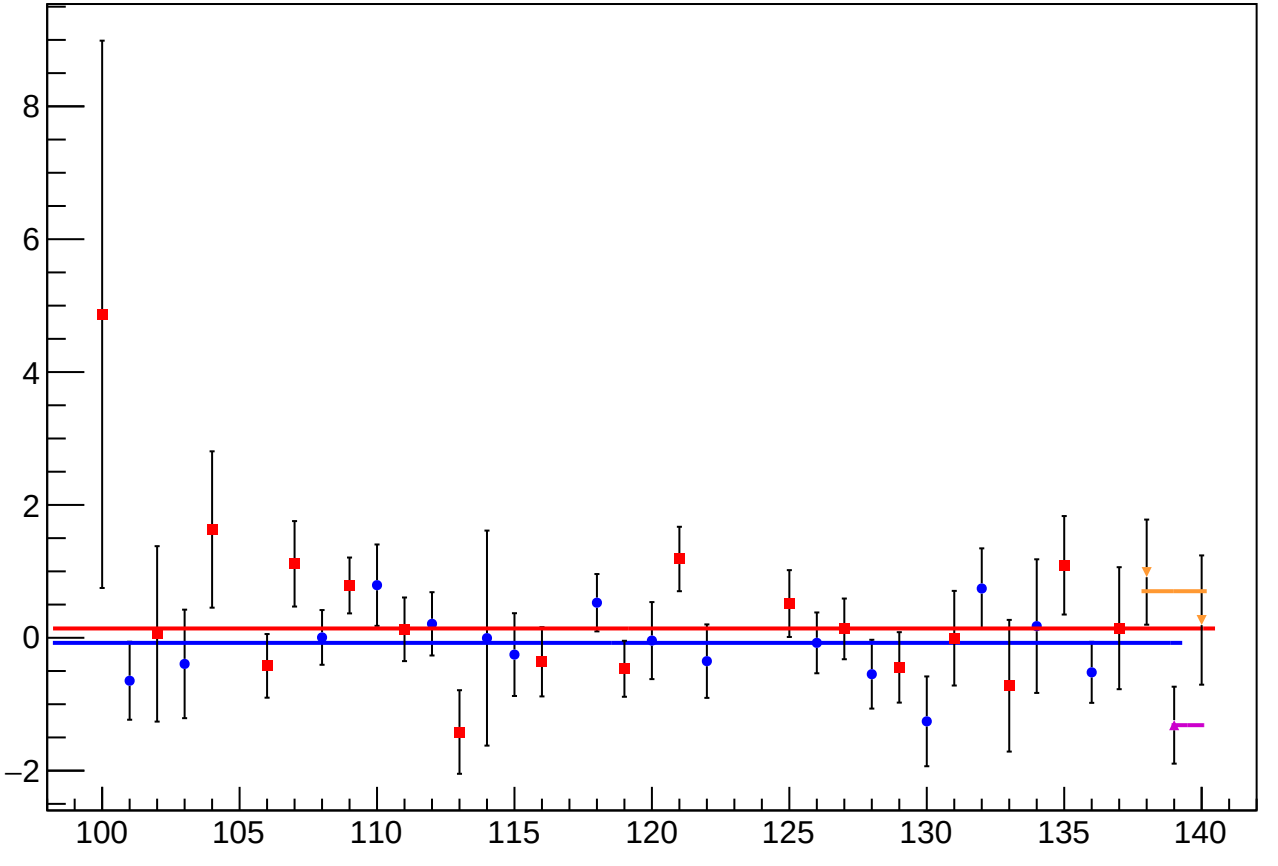
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 364.893+/-0.096 χ^2/NDF:925465.2/16

Out: 358.599+/-0.095 χ^2/NDF:2141589.5/19

All: 361.714+/-0.068 χ^2/NDF: 3069218.1/36

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.701+/-0.614 χ^2/NDF:0.3/1

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -1.315+/-0.579 χ^2/NDF:0.0/0

Left: -0.366+/-0.421 χ^2/NDF: 6.0/2

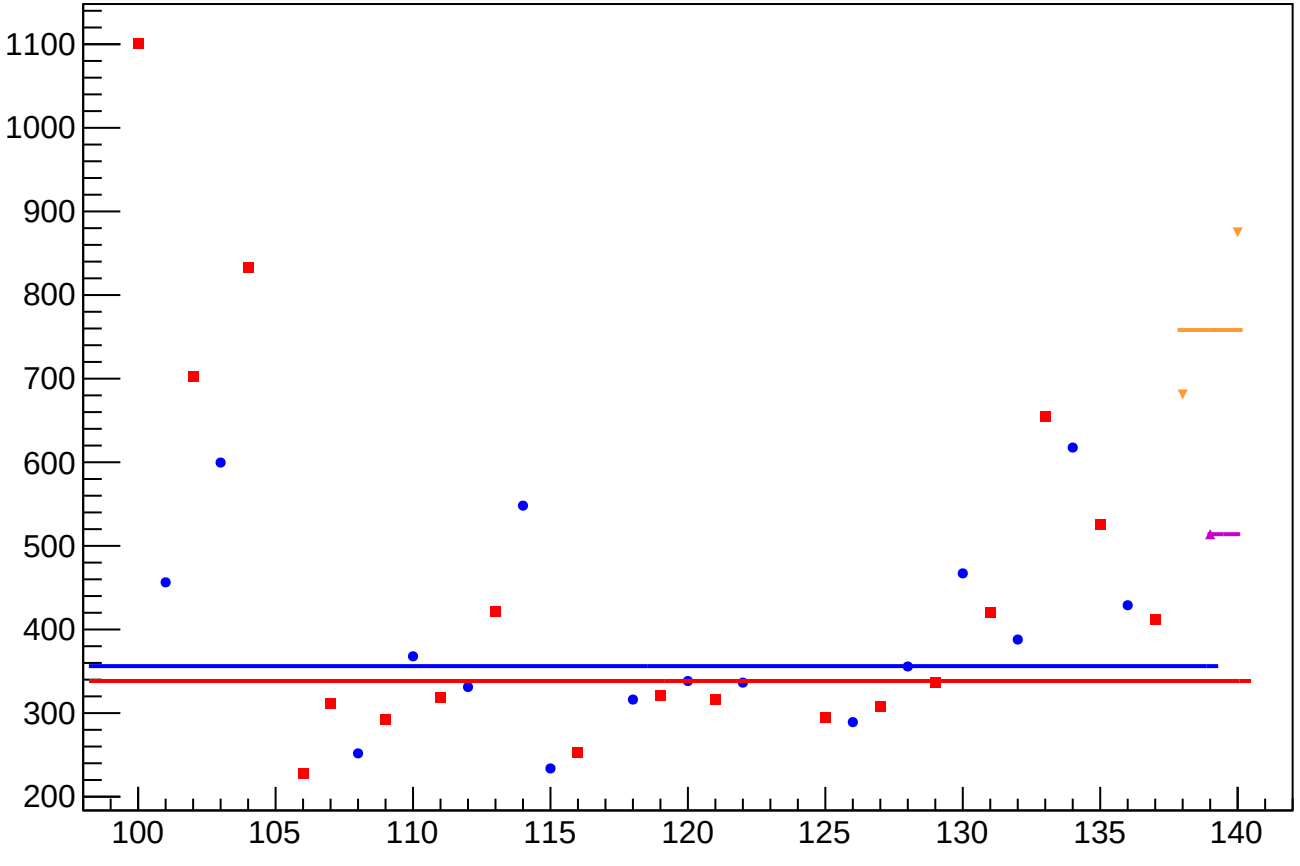
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.145+/-0.136 χ^2/NDF:16.8/16

Out: 0.167+/-0.135 χ^2/NDF:28.1/19

All: 0.013+/-0.096 χ^2/NDF: 47.6/36

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 758.240+/-0.434 χ^2/NDF:47786.6/1

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 514.012+/-0.409 χ^2/NDF:0.0/0

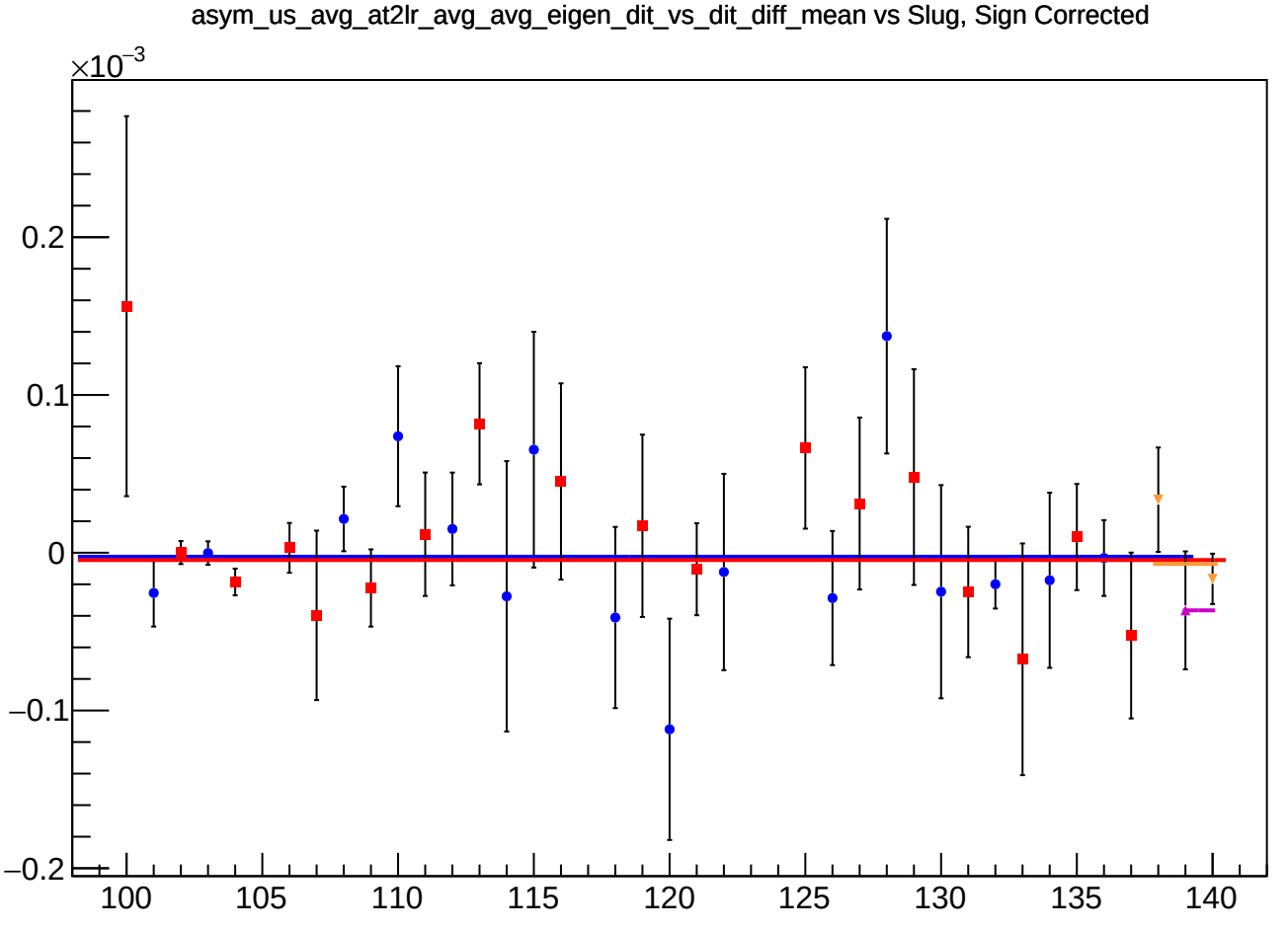
Left: 629.016+/-0.298 χ^2/NDF: 215296.1/2

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 364.893+/-0.096 χ^2/NDF:925465.2/16

Out: 358.599+/-0.095 χ^2/NDF:2141589.5/19

All: 361.714+/-0.068 χ^2/NDF: 3069218.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

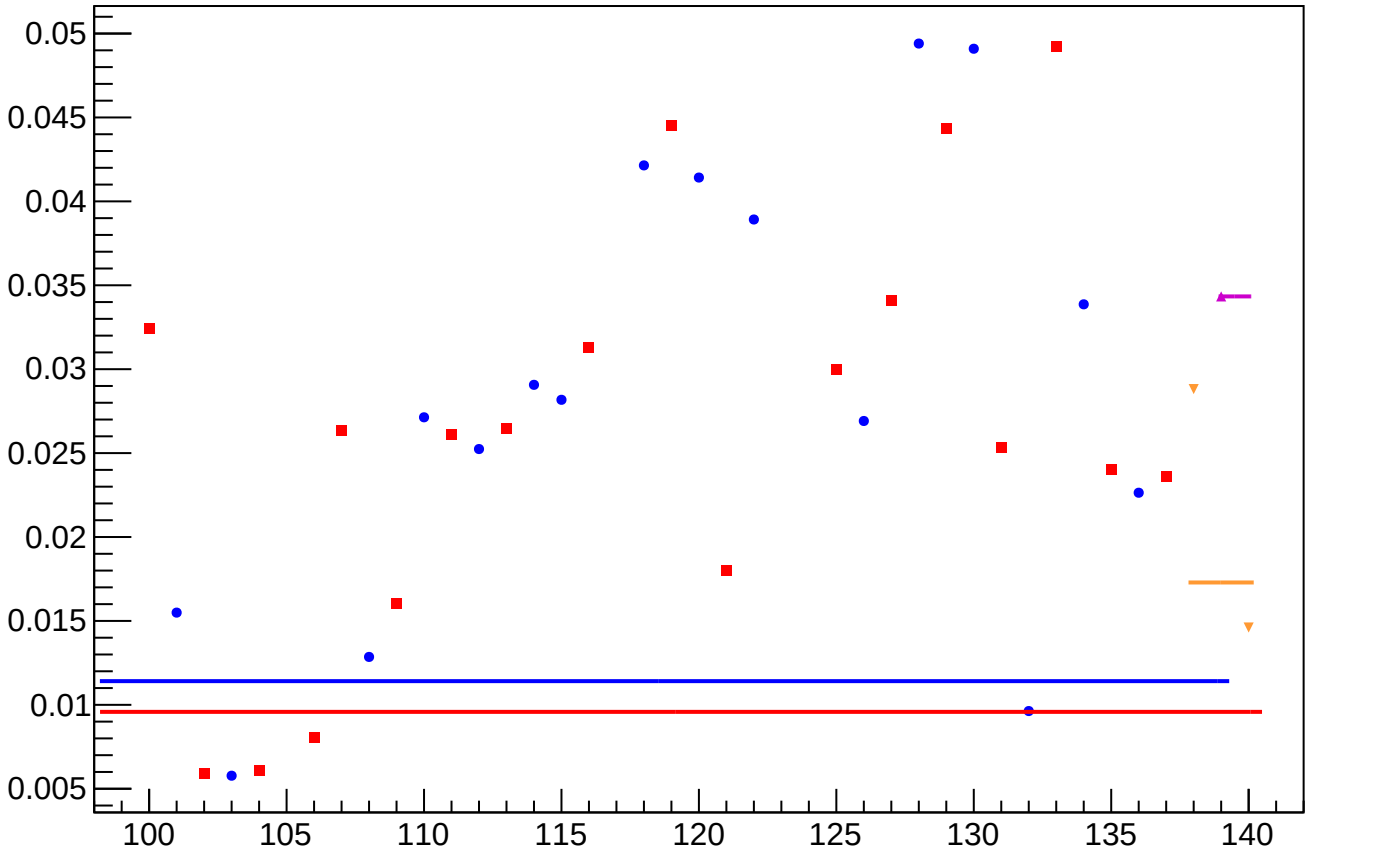
Left: -0.000+/-0.000 χ^2/NDF: 2.4/2

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:15.8/16

Out: -0.000+/-0.000 χ^2/NDF:19.0/19

All: -0.000+/-0.000 χ^2/NDF: 34.9/36



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.017+/-0.000 χ^2/NDF:299226.9/1

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.034+/-0.000 χ^2/NDF:0.0/0

Left: 0.019+/-0.000 χ^2/NDF: 661725.8/2

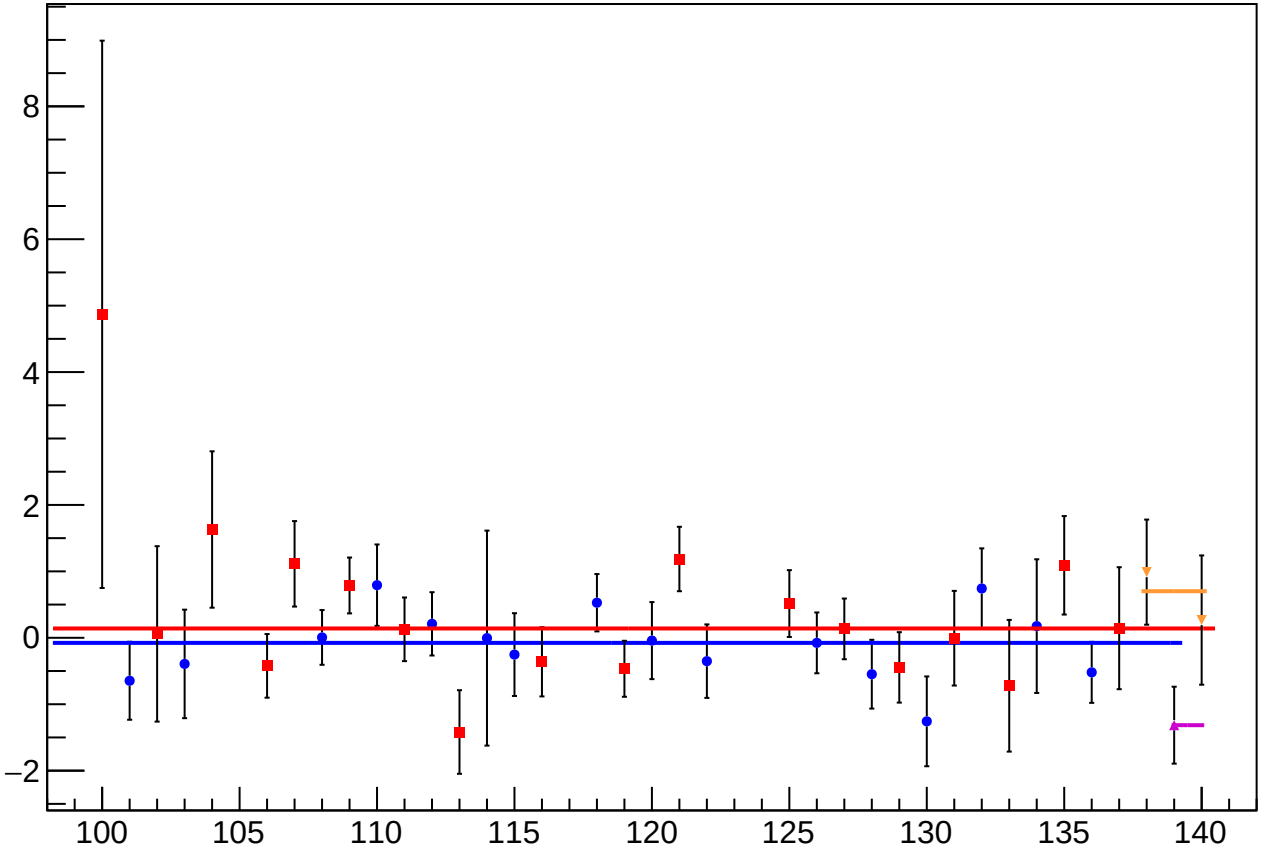
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:6237033.3/16

Out: 0.010+/-0.000 χ^2/NDF:6606071.3/19

All: 0.011+/-0.000 χ^2/NDF: 12941713.9/36

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.701+/-0.614 χ^2/NDF:0.3/1

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -1.315+/-0.579 χ^2/NDF:0.0/0

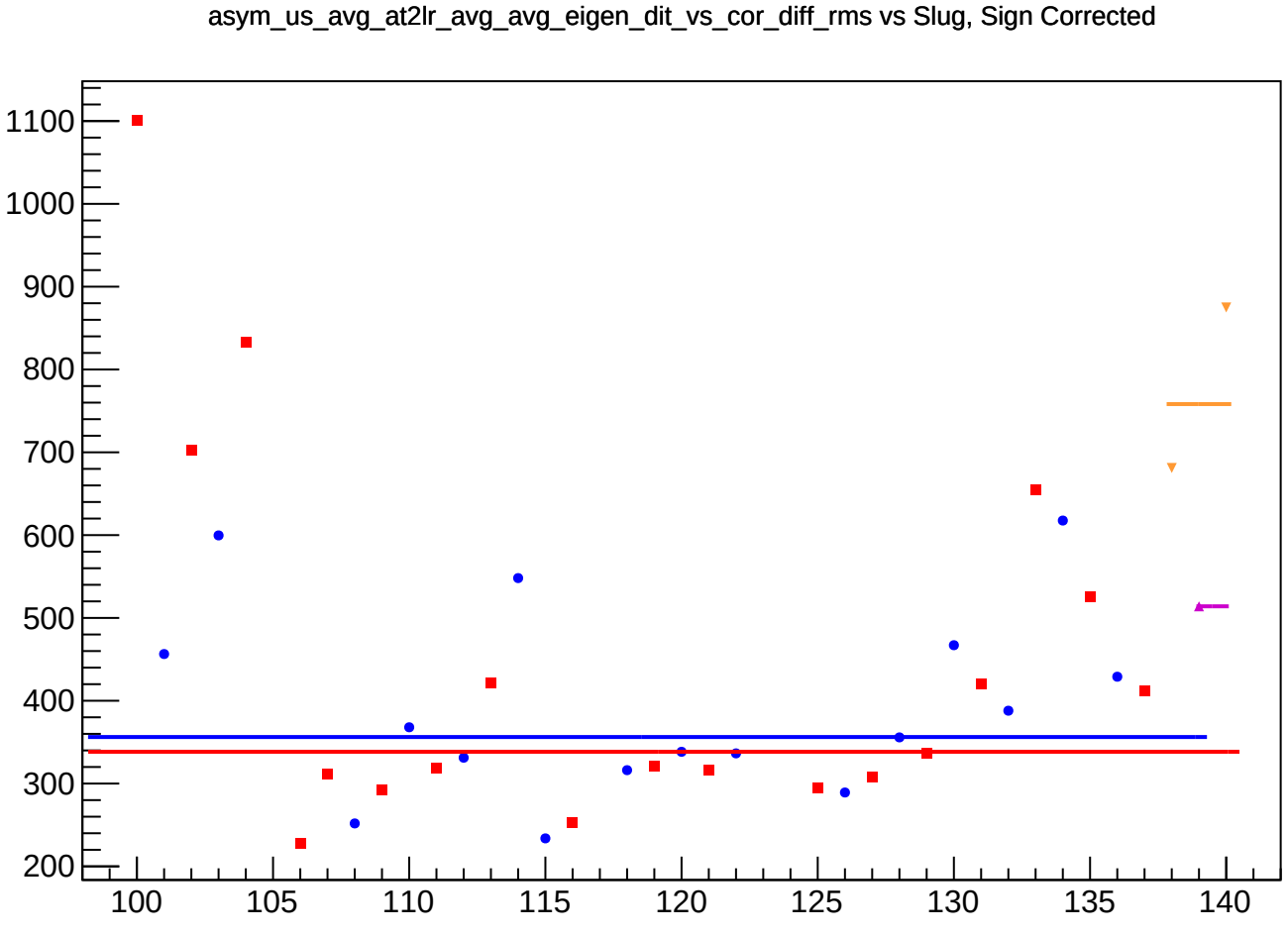
Left: -0.366+/-0.421 χ^2/NDF: 6.0/2

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.145+/-0.136 χ^2/NDF:16.8/16

Out: 0.167+/-0.135 χ^2/NDF:28.1/19

All: 0.013+/-0.096 χ^2/NDF: 47.6/36



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 758.246+/-0.434 χ^2/NDF:47785.2/1

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 514.024+/-0.409 χ^2/NDF:0.0/0

Left: 629.027+/-0.298 χ^2/NDF: 215282.4/2

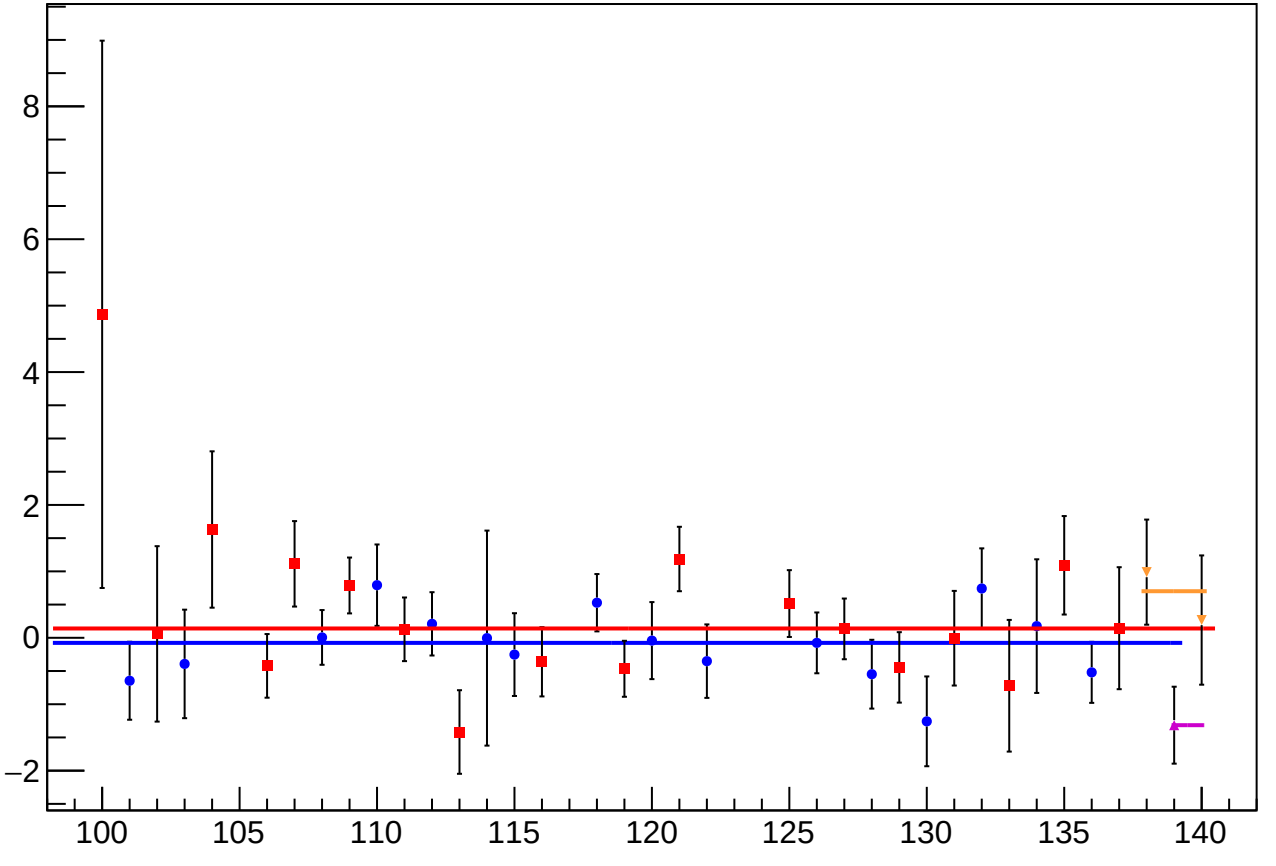
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 364.892+/-0.096 χ^2/NDF:925448.2/16

Out: 358.597+/-0.095 χ^2/NDF:2141591.2/19

All: 361.712+/-0.068 χ^2/NDF: 3069203.6/36

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.701+/-0.614 χ^2/NDF:0.3/1

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -1.315+/-0.579 χ^2/NDF:0.0/0

Left: -0.366+/-0.421 χ^2/NDF: 6.0/2

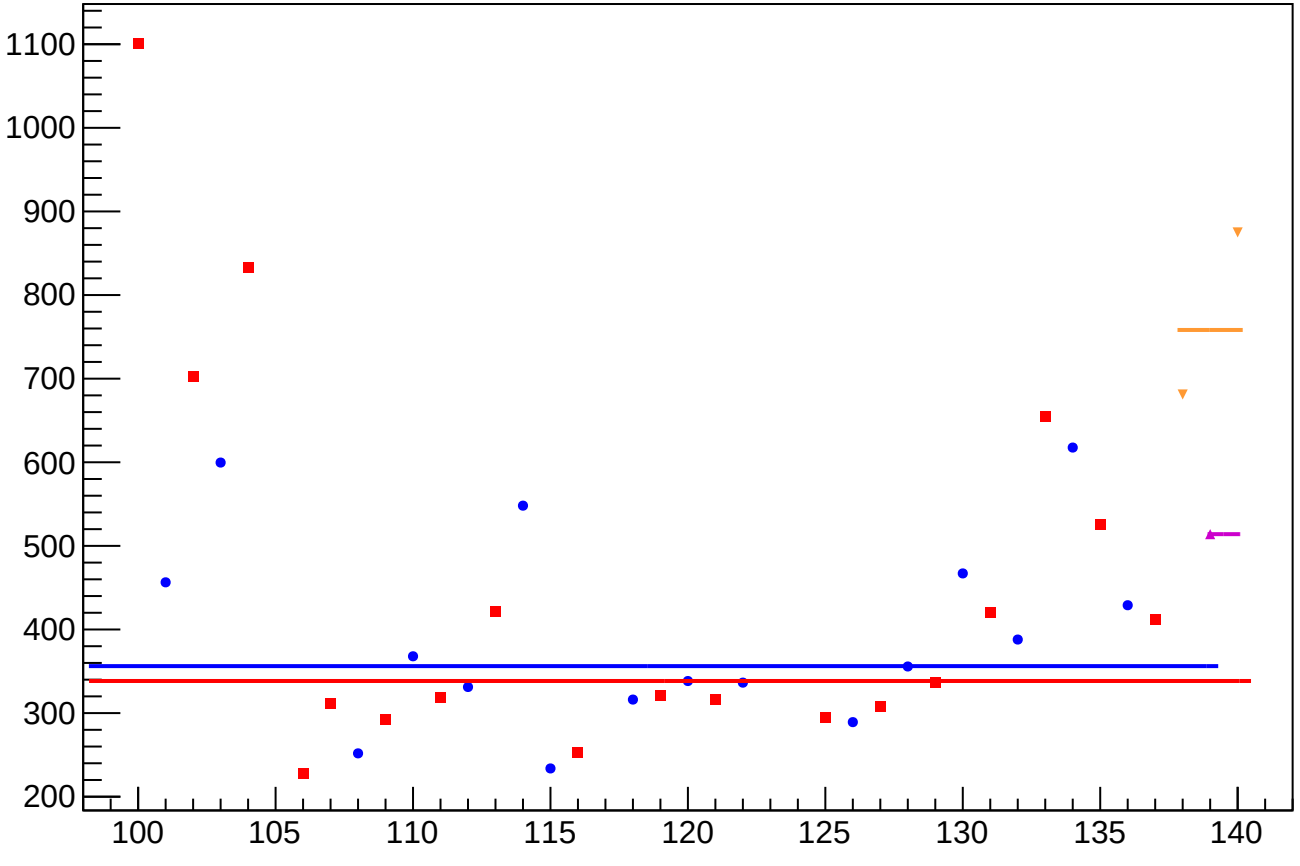
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.145+/-0.136 χ^2/NDF:16.8/16

Out: 0.167+/-0.135 χ^2/NDF:28.1/19

All: 0.013+/-0.096 χ^2/NDF: 47.6/36

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 758.246+/-0.434 χ^2/NDF:47785.2/1

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 514.024+/-0.409 χ^2/NDF:0.0/0

Left: 629.027+/-0.298 χ^2/NDF: 215282.4/2

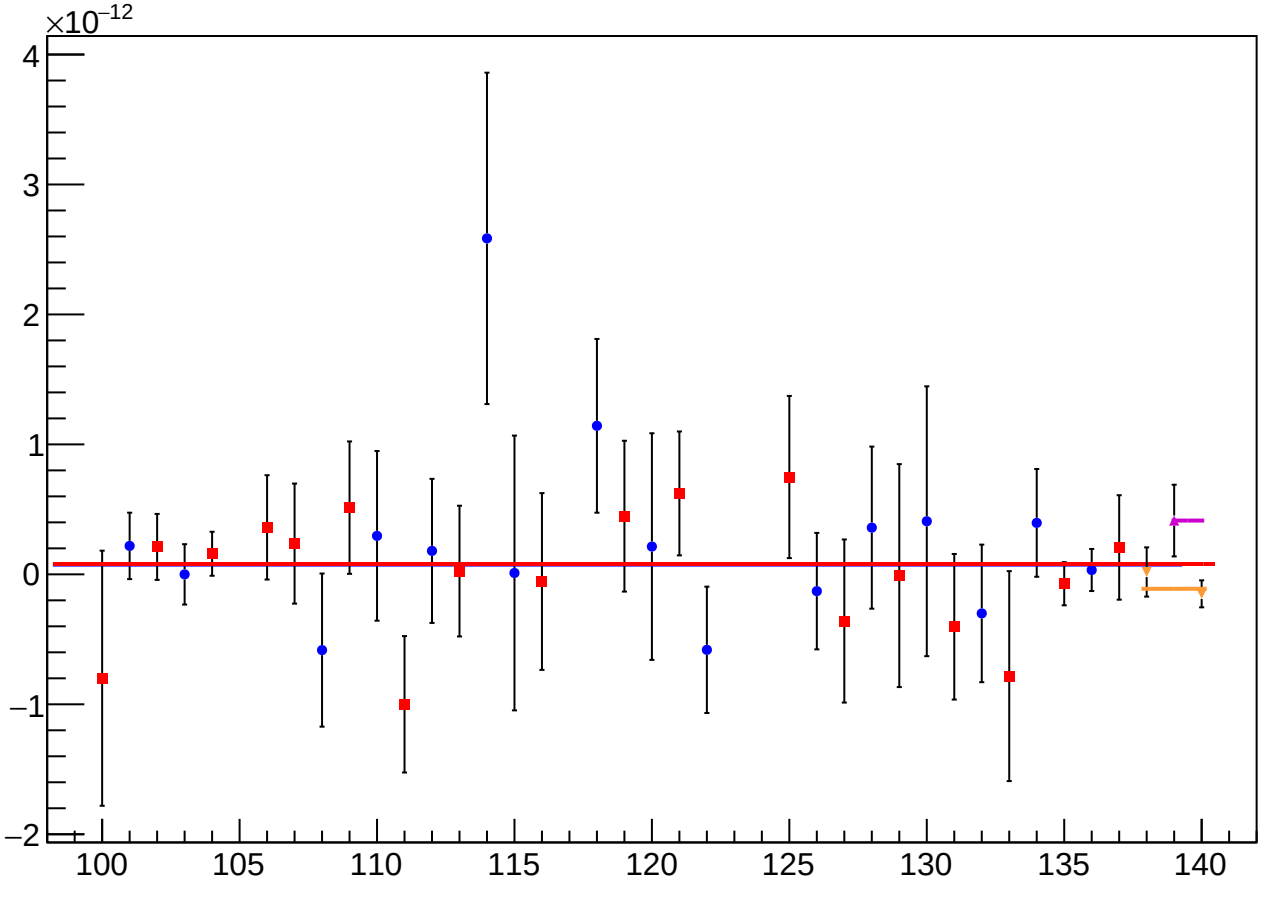
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 364.892+/-0.096 χ^2/NDF:925448.2/16

Out: 358.597+/-0.095 χ^2/NDF:2141591.2/19

All: 361.712+/-0.068 χ^2/NDF: 3069203.6/36

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

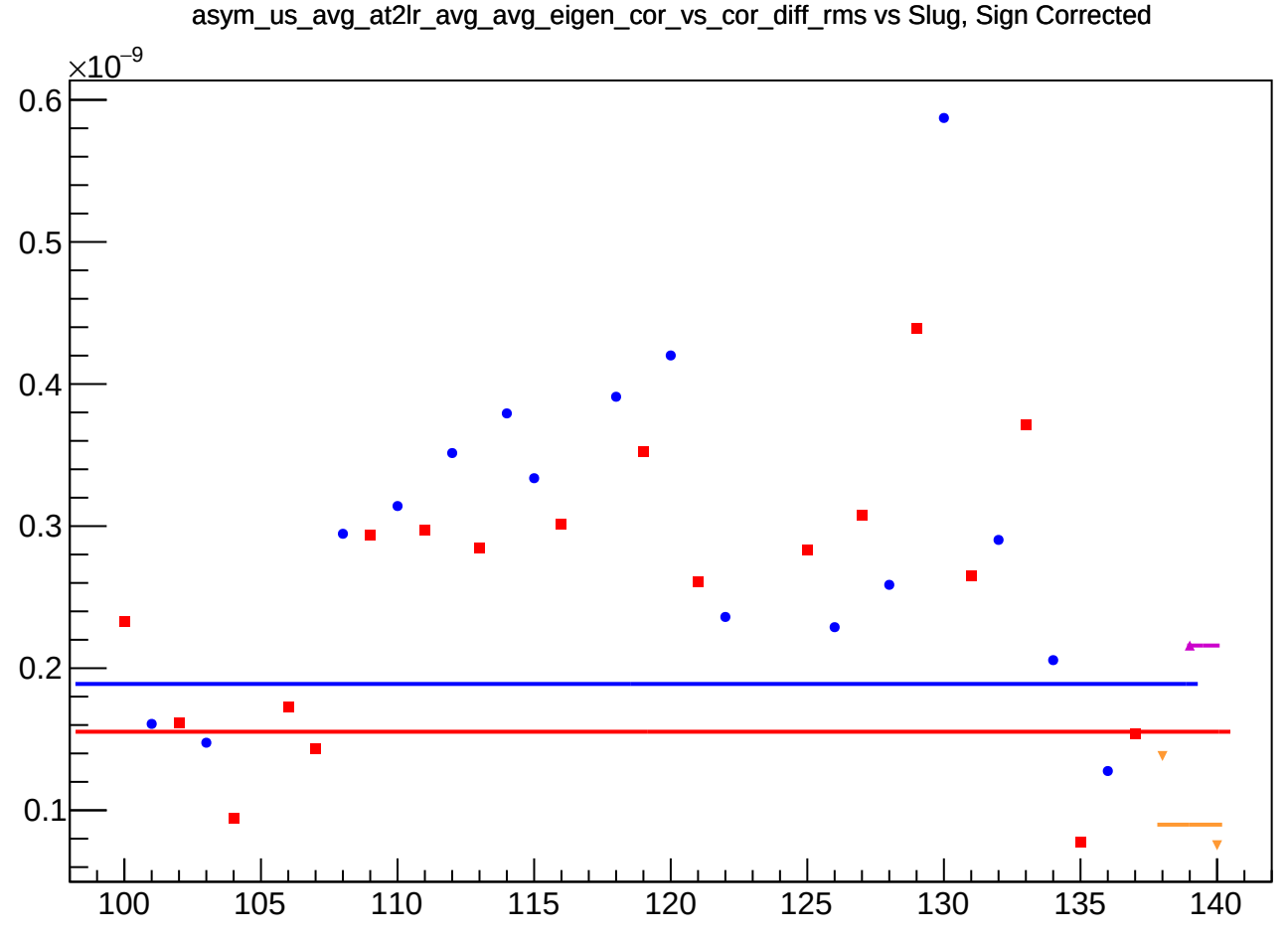
Left: -0.000+/-0.000 χ^2/NDF: 3.9/2

Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: 0.000+/-0.000 χ^2/NDF:13.1/16

Out: -0.000+/-0.000 χ^2/NDF:16.0/19

All: 0.000+/-0.000 χ^2/NDF: 30.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:168894.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

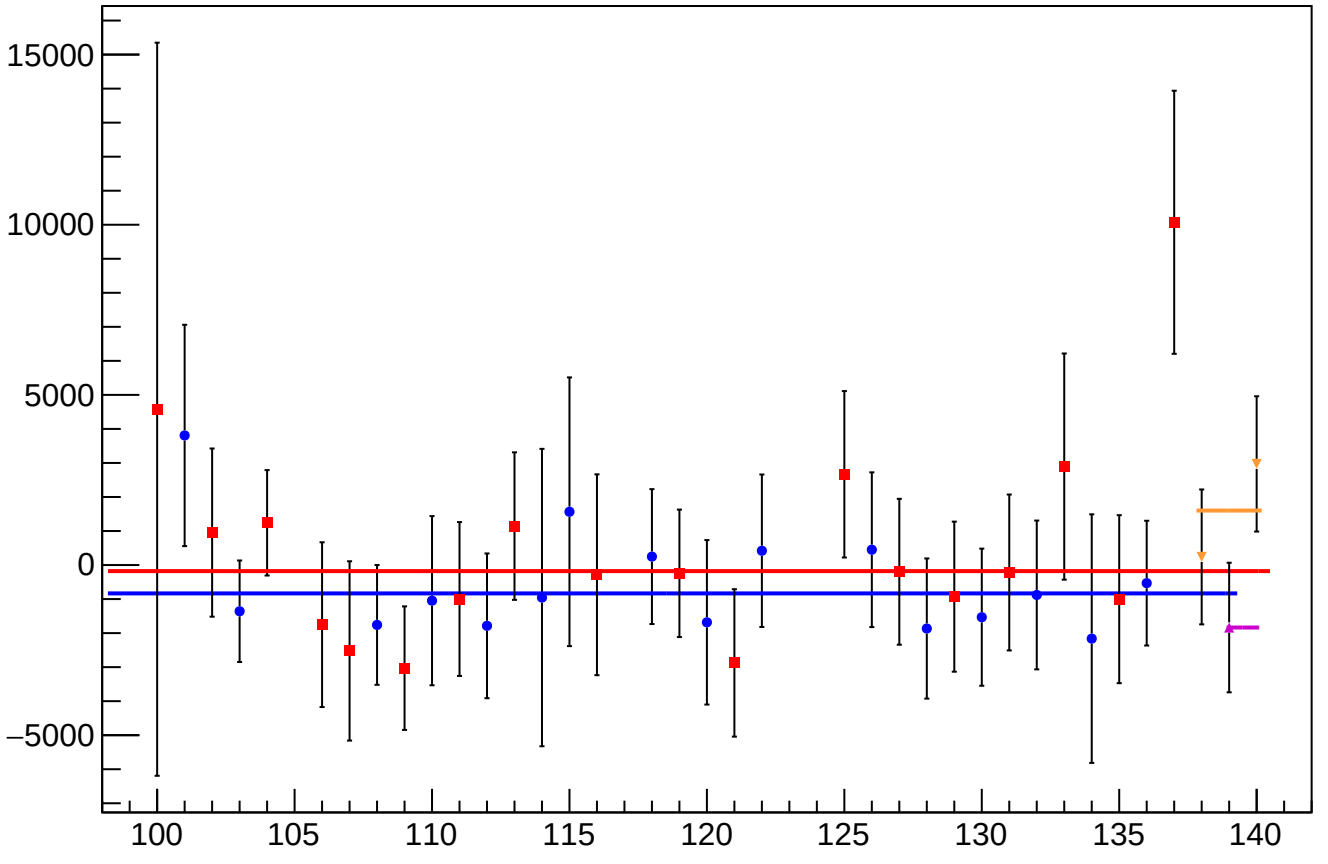
Left: 0.000+/-0.000 χ^2/NDF: 545696.9/2

Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:1537749.5/16

Out: 0.000+/-0.000 χ^2/NDF:2917785.0/19

All: 0.000+/-0.000 χ^2/NDF: 5197858.8/36



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1601.407+/-1403.711 χ^2/NDF:0.9/1

Right Out: -178.292+/-547.824 χ^2/NDF: 16.5/17

Left In: -1835.927+/-1903.997 χ^2/NDF:0.0/0

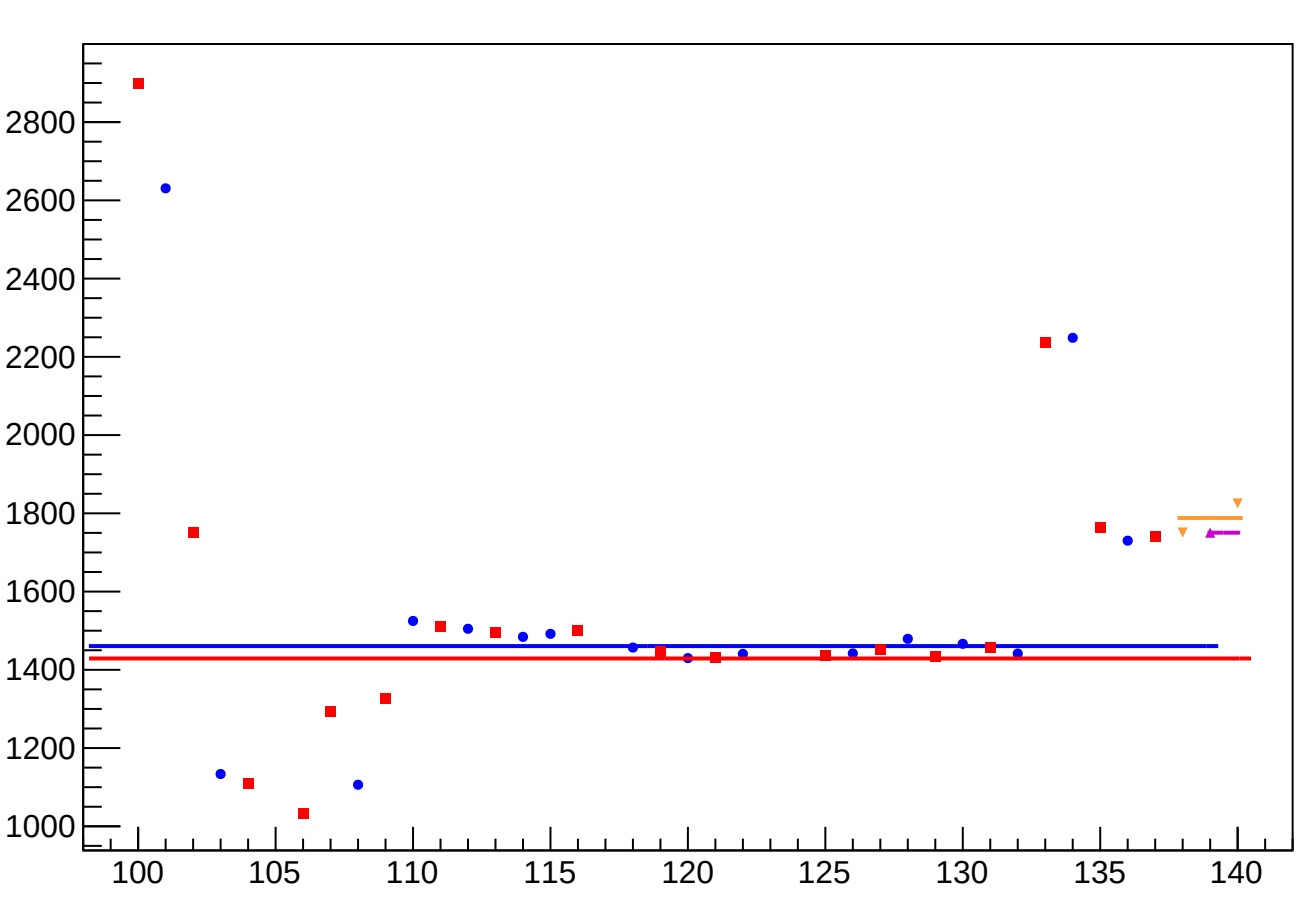
Left: 391.005+/-1129.849 χ^2/NDF: 3.1/2

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -911.941+/-532.677 χ^2/NDF:4.9/16

Out: 56.944+/-510.336 χ^2/NDF:18.8/19

All: -406.755+/-368.507 χ^2/NDF: 25.4/36



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1788.091+/-0.993 χ^2/NDF:1404.2/1

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1750.530+/-1.346 χ^2/NDF:0.0/0

Left: 1774.865+/-0.799 χ^2/NDF: 1908.5/2

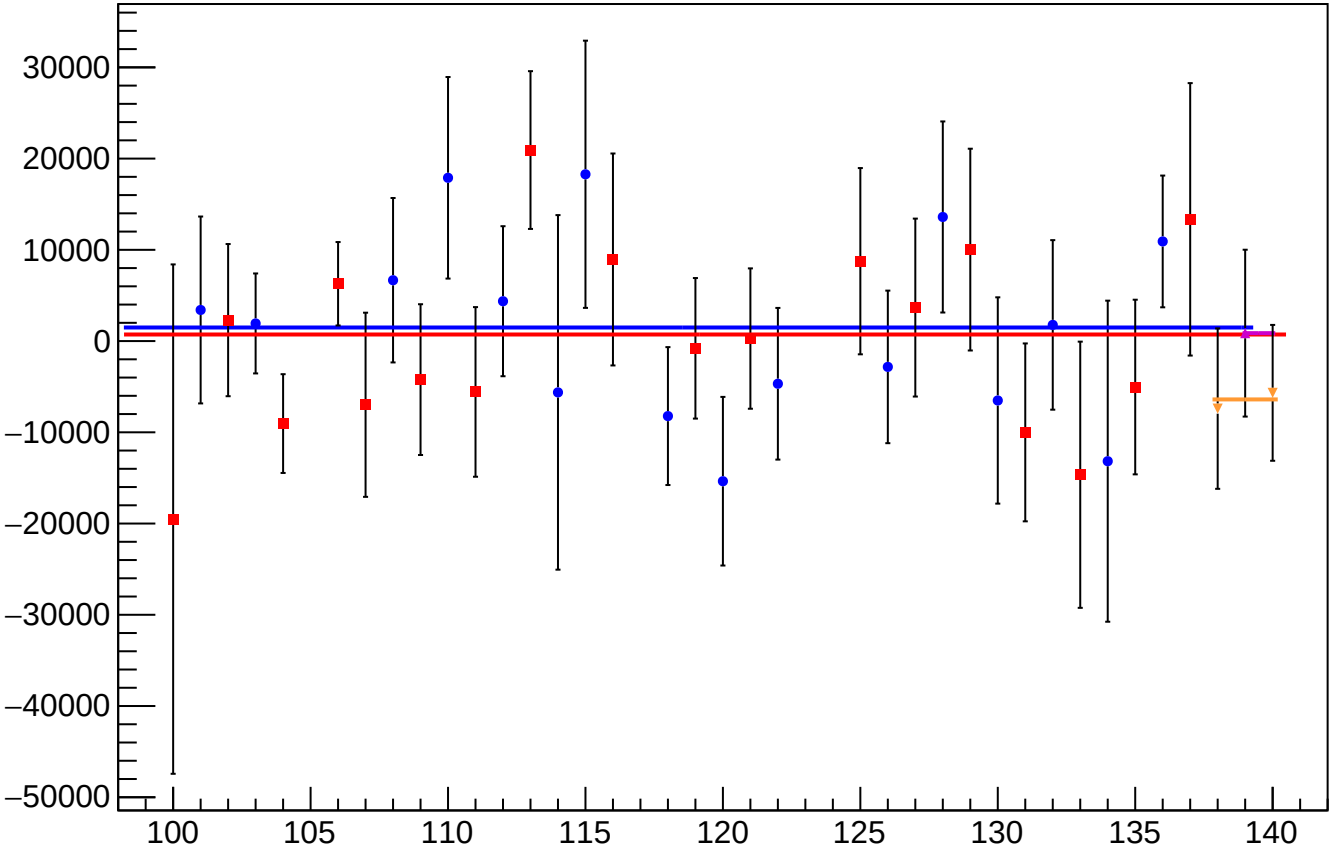
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1483.342+/-0.377 χ^2/NDF:618465.5/16

Out: 1475.805+/-0.359 χ^2/NDF:526522.7/19

All: 1479.388+/-0.260 χ^2/NDF: 1145198.2/36

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: -6396.657+/-5682.030 χ^2/NDF:0.0/1

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 867.355+/-9144.156 χ^2/NDF:0.0/0

Left: -4373.189+/-4826.180 χ^2/NDF: 0.5/2

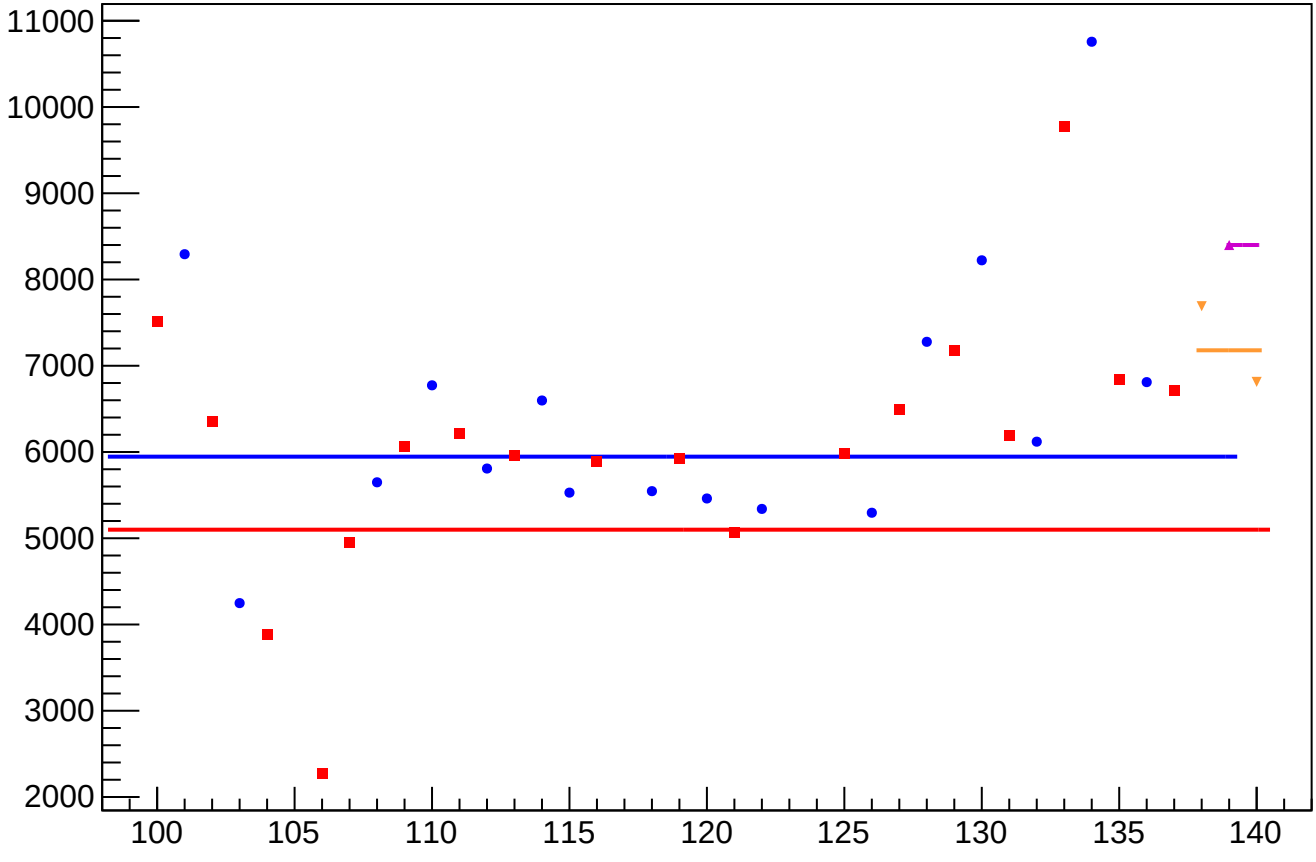
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 1451.502+/-2201.327 χ^2/NDF:14.2/16

Out: -72.452+/-1896.237 χ^2/NDF:18.9/19

All: 576.682+/-1436.699 χ^2/NDF: 33.4/36

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7179.257+/-4.018 χ^2/NDF:11596.3/1

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 8400.155+/-6.466 χ^2/NDF:0.0/0

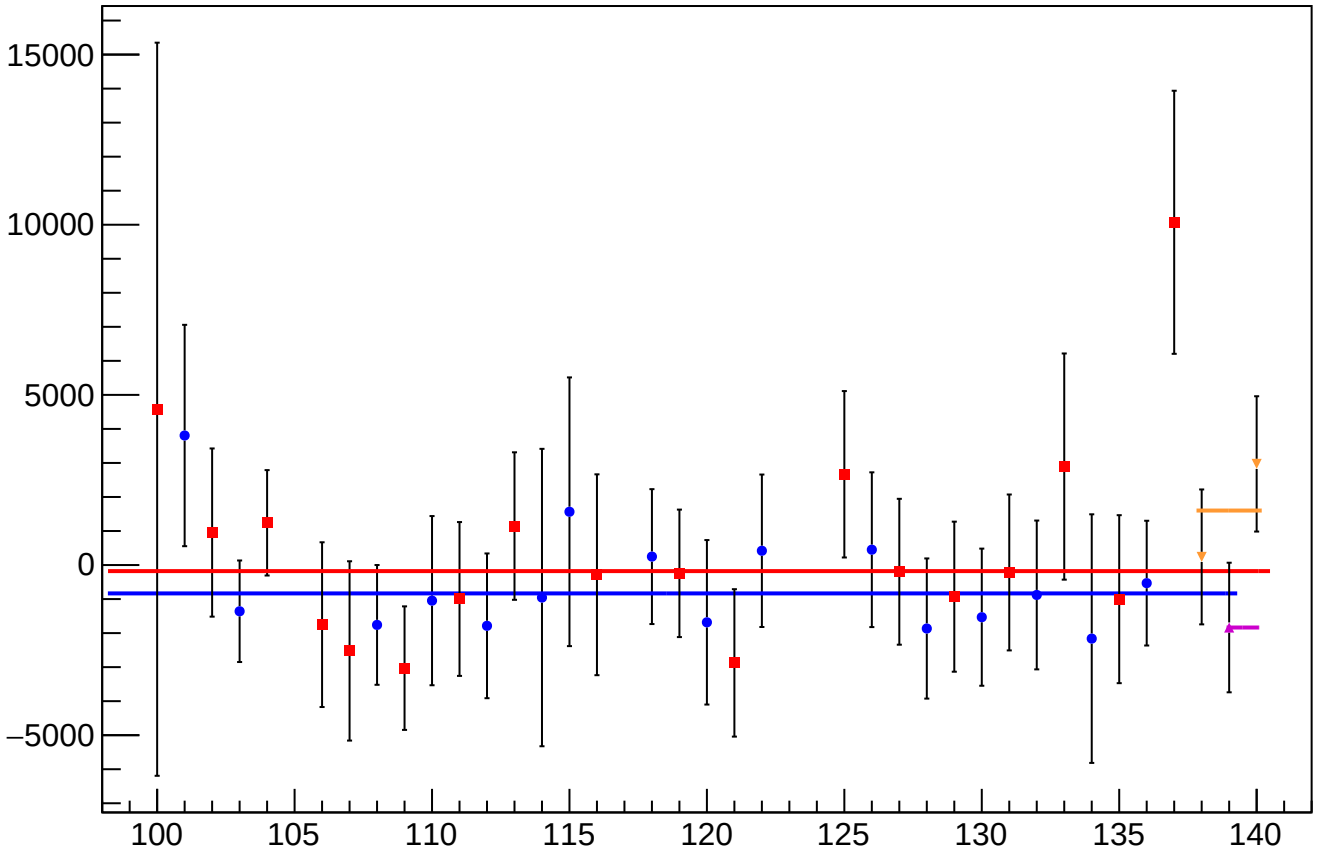
Left: 7519.351+/-3.413 χ^2/NDF: 37318.1/2

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6088.303+/-1.557 χ^2/NDF:776834.8/16

Out: 5331.016+/-1.341 χ^2/NDF:1730096.8/19

All: 5653.585+/-1.016 χ^2/NDF: 2642802.9/36



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1601.323+/-1403.711 χ^2/NDF:0.9/1

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1835.842+/-1903.997 χ^2/NDF:0.0/0

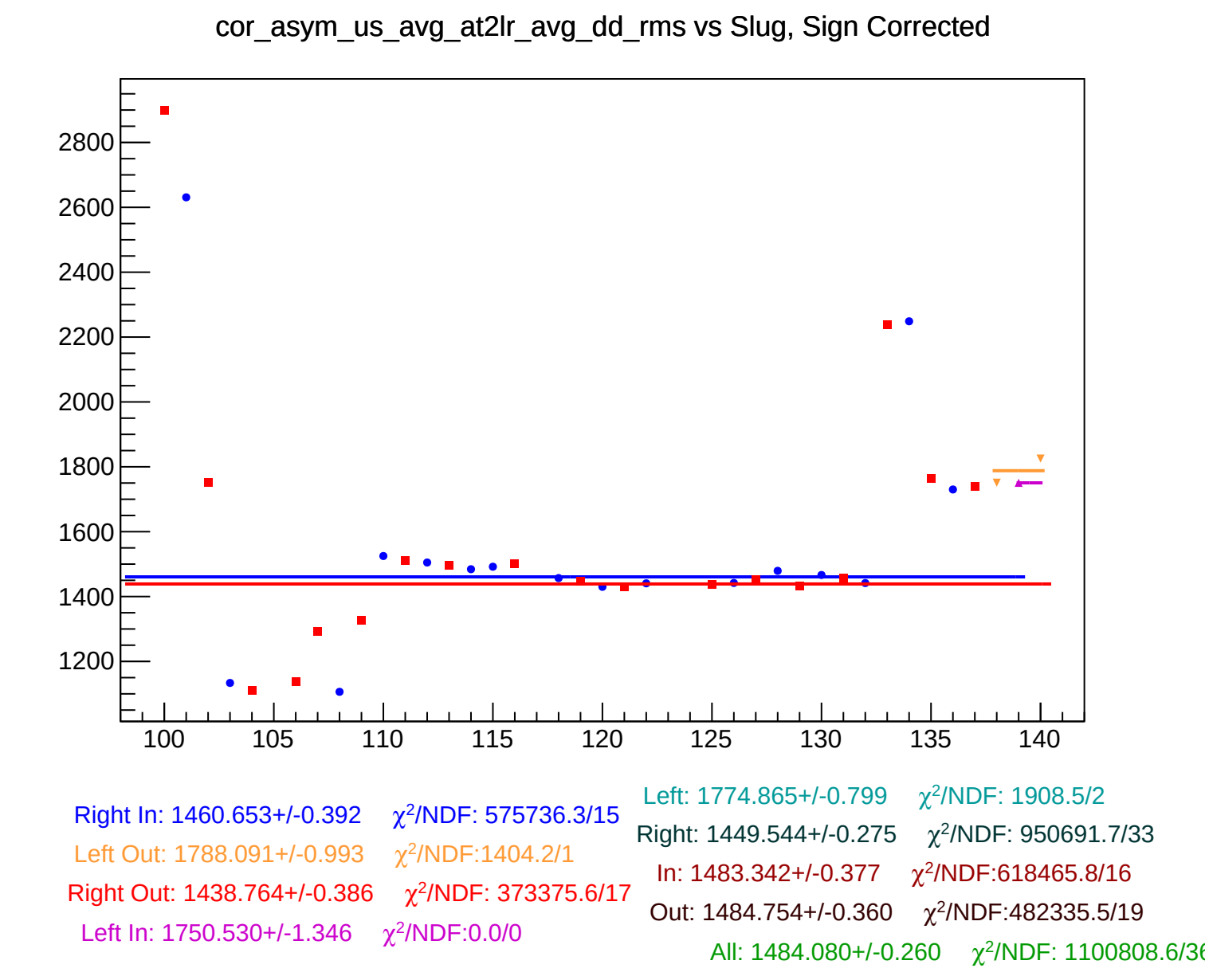
Left: 390.981+/-1129.849 χ^2/NDF: 3.1/2

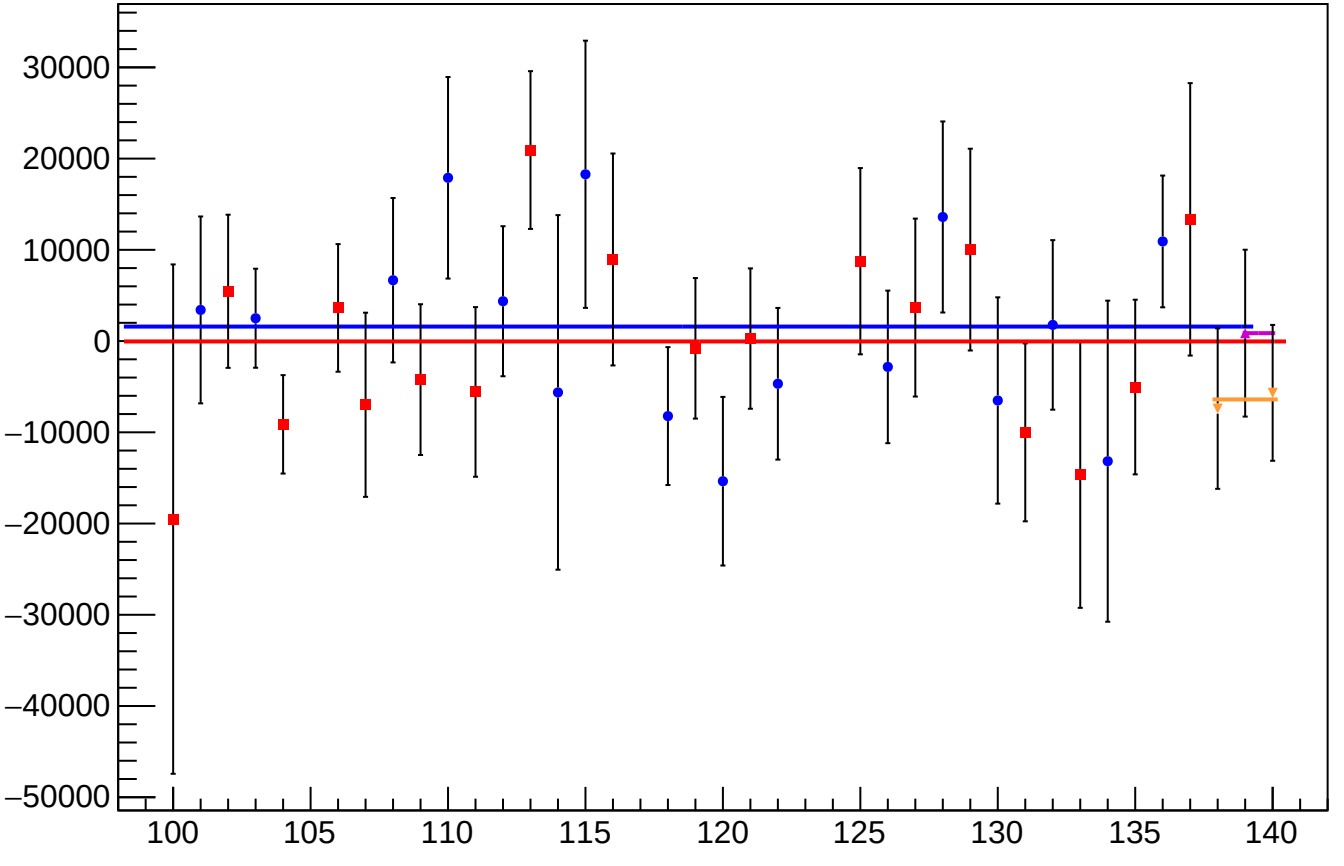
Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -911.992+/-532.677 χ^2/NDF:4.9/16

Out: 57.071+/-510.336 χ^2/NDF:18.8/19

All: -406.713+/-368.507 χ^2/NDF: 25.4/36


cor_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
105
110
115
120
125
130
135
140
Right In: 1460.653+/-0.392 χ²/NDF: 575736.3/15
Left Out: 1788.091+/-0.993 χ²/NDF:1404.2/1
Right Out: 1438.764+/-0.386 χ²/NDF: 373375.6/17
Left In: 1750.530+/-1.346 χ²/NDF:0.0/0
Left: 1774.865+/-0.799 χ²/NDF: 1908.5/2
Right: 1449.544+/-0.275 χ²/NDF: 950691.7/33
In: 1483.342+/-0.377 χ²/NDF:618465.8/16
Out: 1484.754+/-0.360 χ²/NDF:482335.5/19
All: 1484.080+/-0.260 χ²/NDF: 1100808.6/36



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -6396.670+/-5682.020 χ^2/NDF:0.0/1

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 867.301+/-9144.146 χ^2/NDF:0.0/0

Left: -4373.216+/-4826.172 χ^2/NDF: 0.5/2

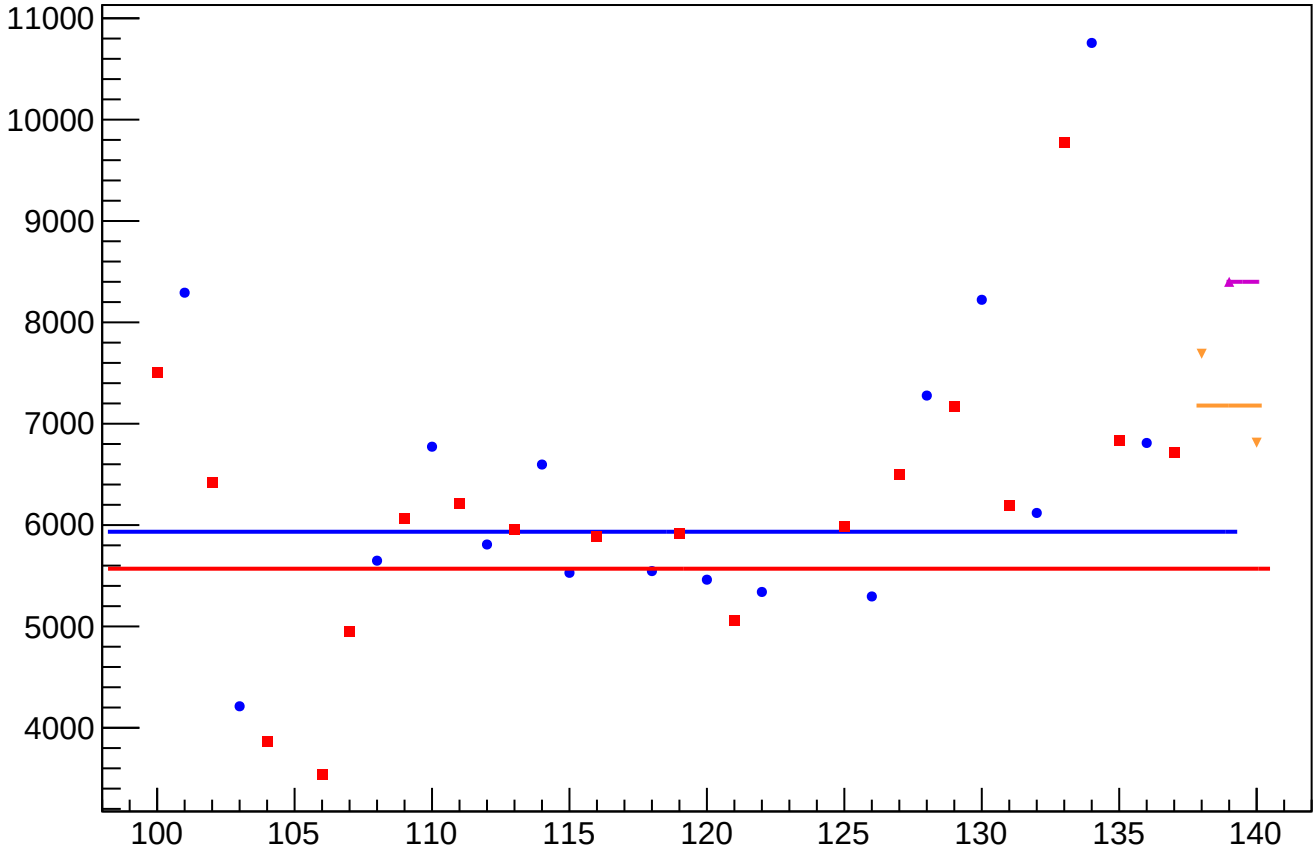
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 1546.981+/-2197.881 χ^2/NDF:14.2/16

Out: -825.734+/-1996.963 χ^2/NDF:17.6/19

All: 247.239+/-1478.005 χ^2/NDF: 32.4/36

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7179.242+/-4.018 χ^2/NDF:11596.6/1

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 8400.146+/-6.466 χ^2/NDF:0.0/0

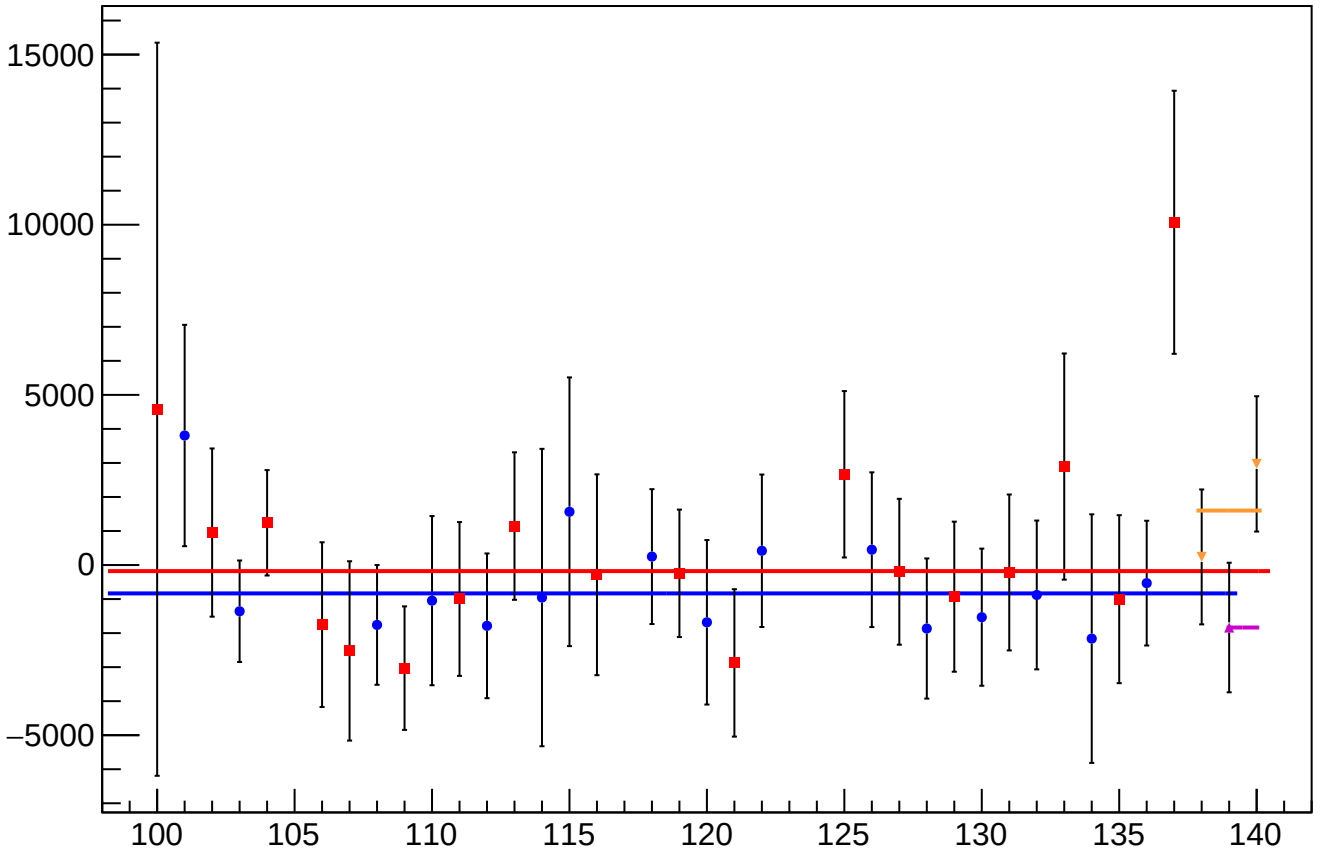
Left: 7519.337+/-3.413 χ^2/NDF: 37318.7/2

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6076.673+/-1.554 χ^2/NDF:790127.9/16

Out: 5768.427+/-1.412 χ^2/NDF:876322.1/19

All: 5907.820+/-1.045 χ^2/NDF: 1687999.0/36



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1601.323+/-1403.711 χ^2/NDF:0.9/1

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1835.842+/-1903.997 χ^2/NDF:0.0/0

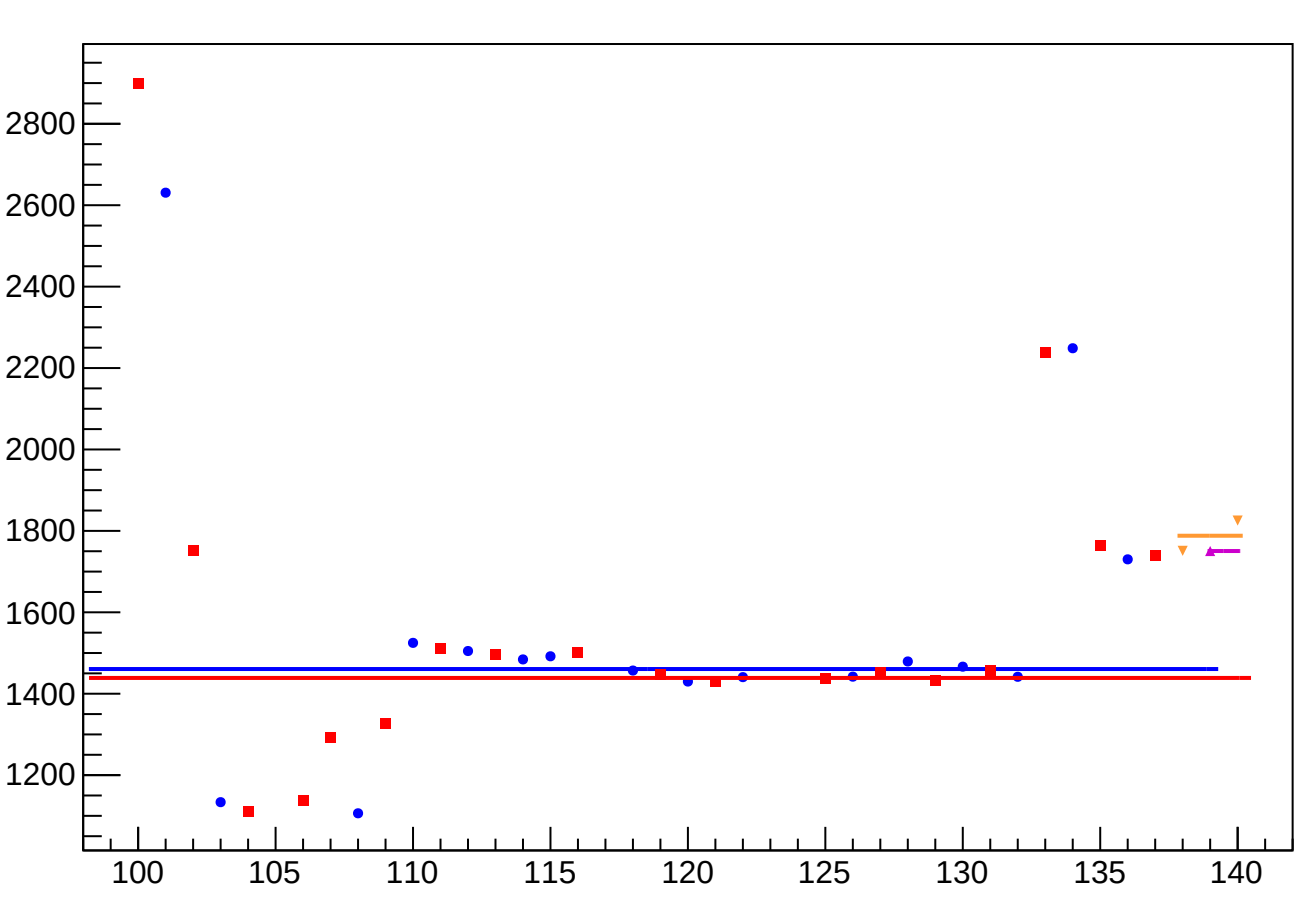
Left: 390.981+/-1129.849 χ^2/NDF: 3.1/2

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -911.992+/-532.677 χ^2/NDF:4.9/16

Out: 57.071+/-510.336 χ^2/NDF:18.8/19

All: -406.713+/-368.507 χ^2/NDF: 25.4/36



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1788.091+/-0.993 χ^2/NDF:1404.2/1

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1750.530+/-1.346 χ^2/NDF:0.0/0

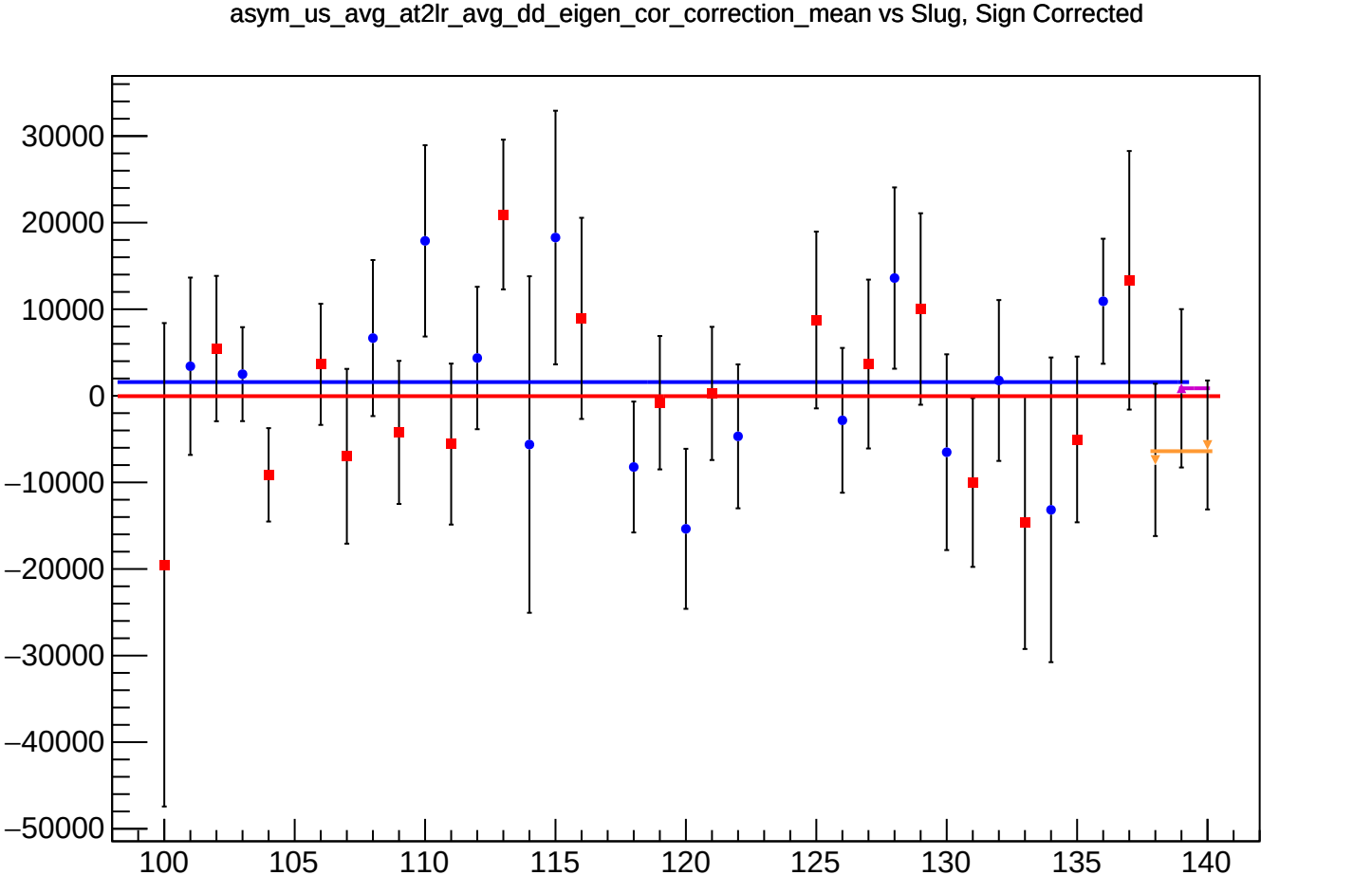
Left: 1774.865+/-0.799 χ^2/NDF: 1908.5/2

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1483.342+/-0.377 χ^2/NDF:618465.8/16

Out: 1484.754+/-0.360 χ^2/NDF:482335.5/19

All: 1484.080+/-0.260 χ^2/NDF: 1100808.6/36



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -6396.670+/-5682.020 χ^2/NDF:0.0/1

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 867.301+/-9144.146 χ^2/NDF:0.0/0

Left: -4373.216+/-4826.172 χ^2/NDF: 0.5/2

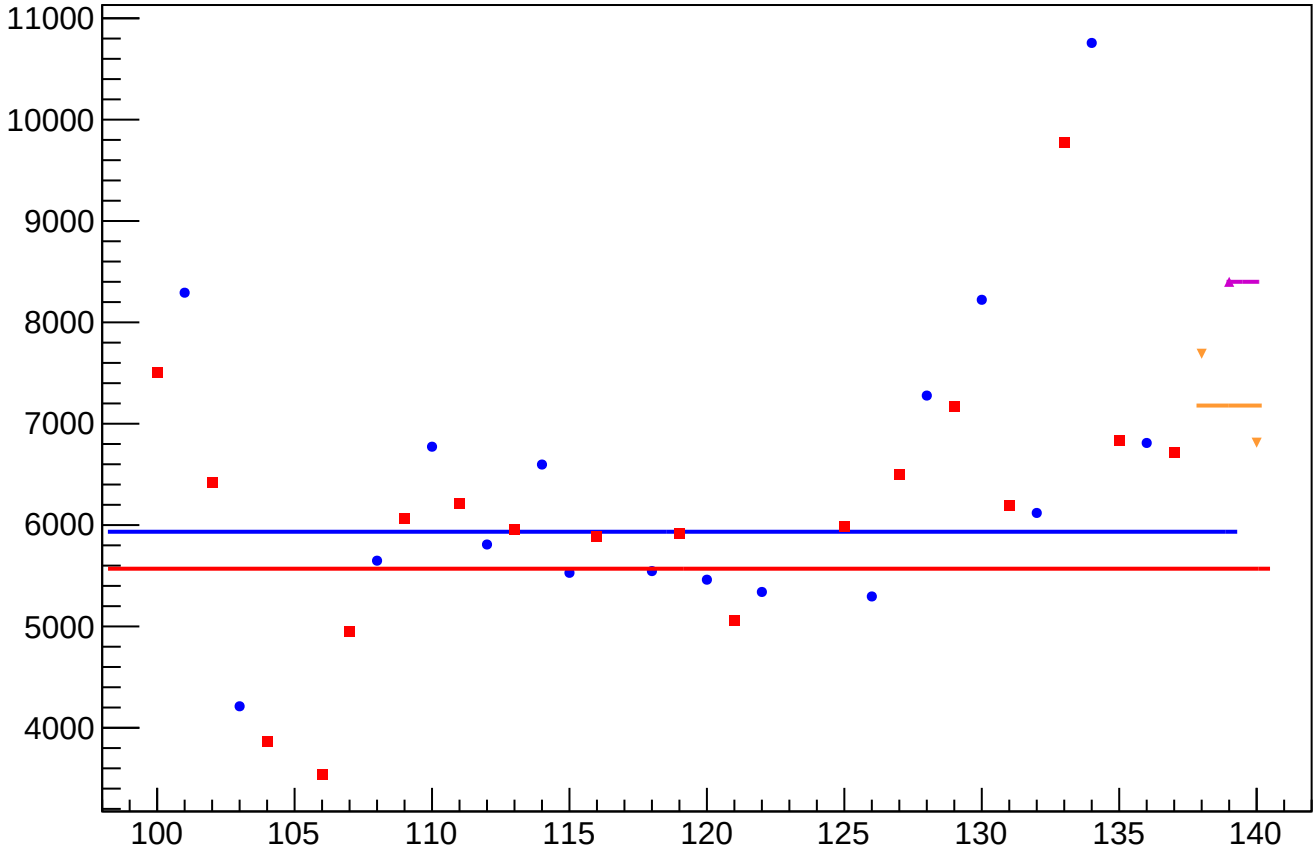
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 1546.981+/-2197.881 χ^2/NDF:14.2/16

Out: -825.734+/-1996.963 χ^2/NDF:17.6/19

All: 247.239+/-1478.005 χ^2/NDF: 32.4/36

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7179.242+/-4.018 χ^2/NDF:11596.6/1

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 8400.146+/-6.466 χ^2/NDF:0.0/0

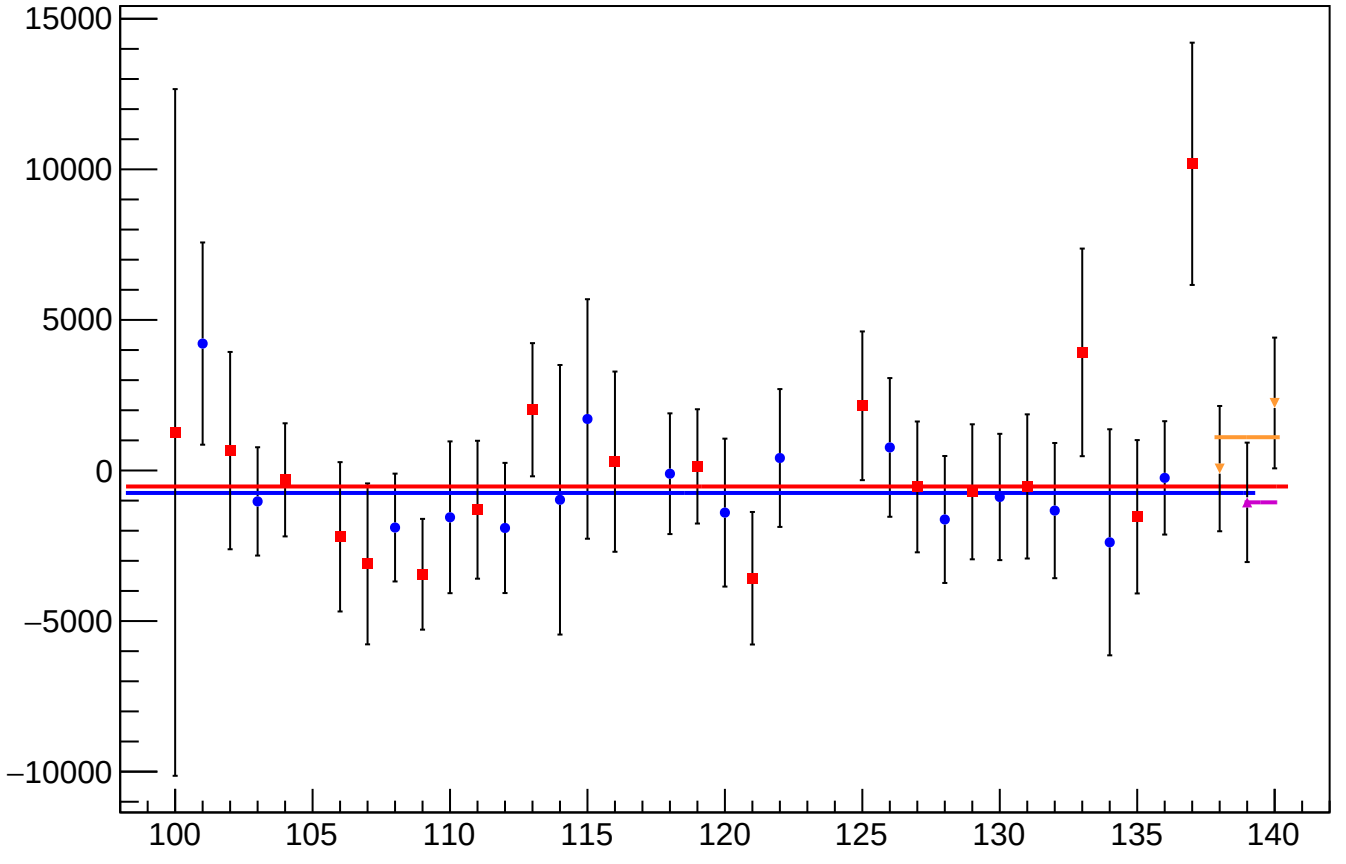
Left: 7519.337+/-3.413 χ^2/NDF: 37318.7/2

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6076.673+/-1.554 χ^2/NDF:790127.9/16

Out: 5768.427+/-1.412 χ^2/NDF:876322.1/19

All: 5907.820+/-1.045 χ^2/NDF: 1687999.0/36



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1105.193+/-1501.976 χ^2/NDF:0.5/1

Right Out: -531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: -1057.934+/-1982.983 χ^2/NDF:0.0/0

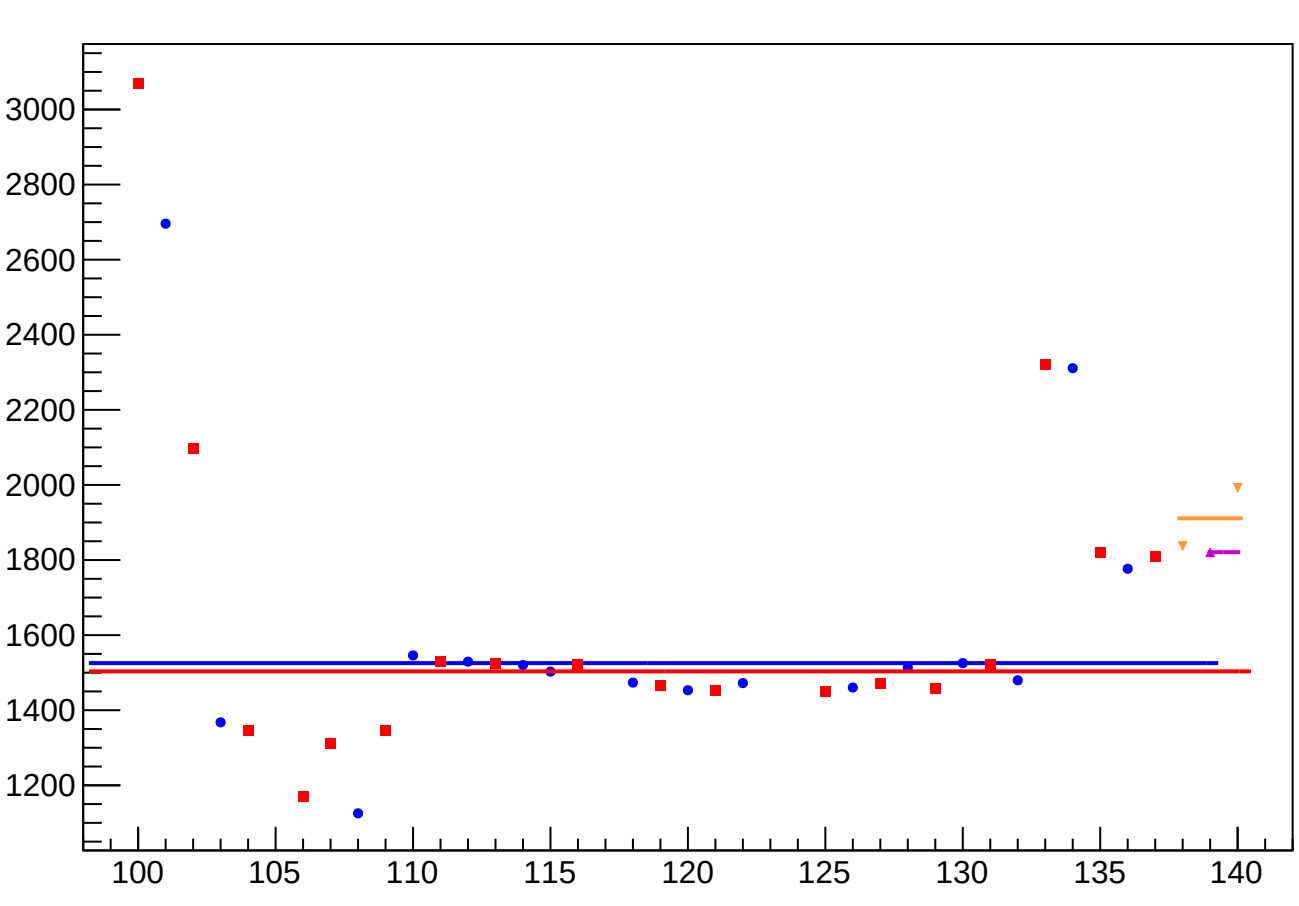
Left: 316.610+/-1197.296 χ^2/NDF: 1.3/2

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -770.353+/-554.971 χ^2/NDF:4.8/16

Out: -322.037+/-537.088 χ^2/NDF:19.3/19

All: -538.856+/-385.946 χ^2/NDF: 24.4/36



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1911.076+/-1.062 χ^2/NDF:5330.8/1

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1820.919+/-1.402 χ^2/NDF:0.0/0

Left: 1878.209+/-0.847 χ^2/NDF: 7957.9/2

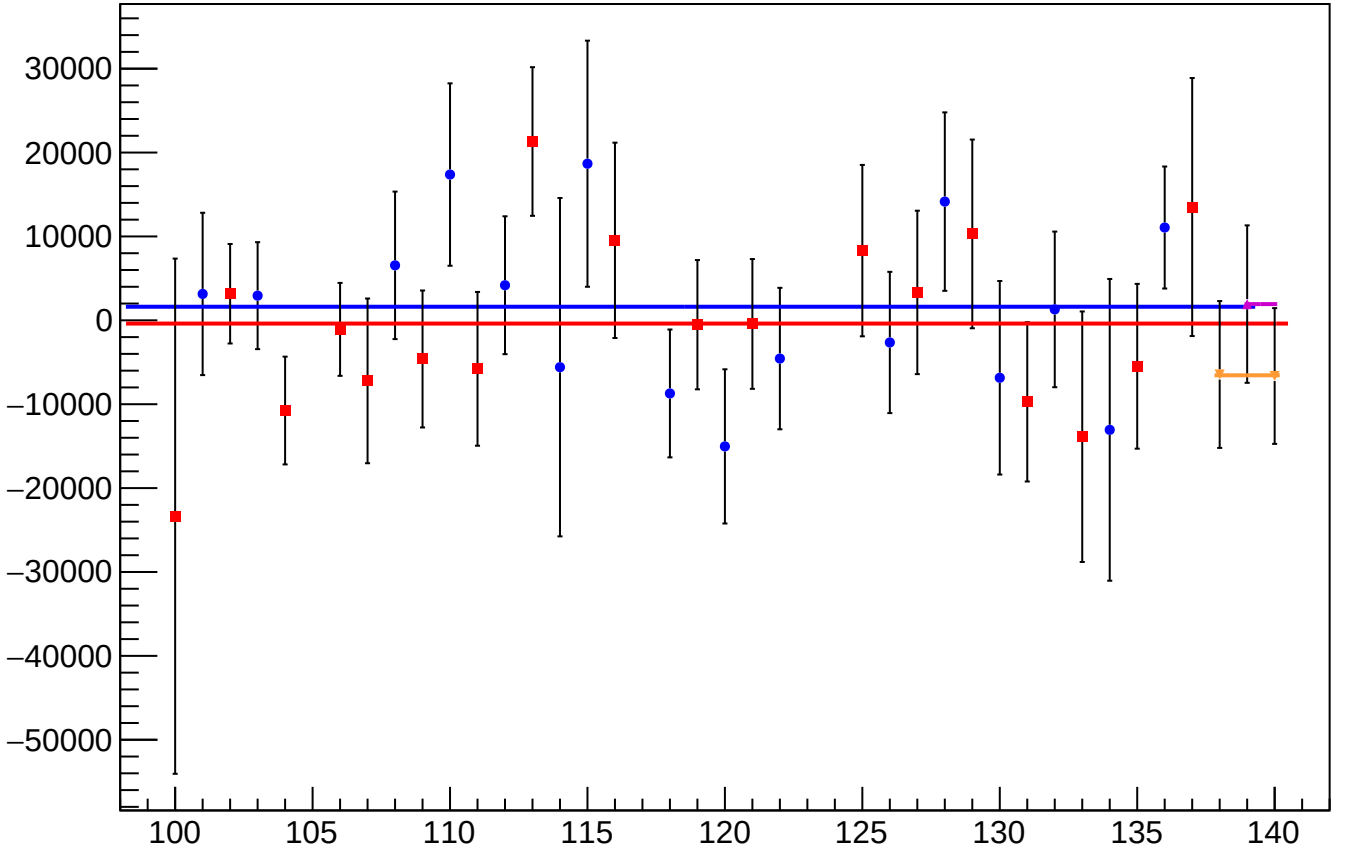
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1548.672+/-0.392 χ^2/NDF:529229.9/16

Out: 1555.533+/-0.380 χ^2/NDF:472329.8/19

All: 1552.215+/-0.273 χ^2/NDF: 1001717.6/36

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: -6554.041+/-5942.134 χ^2/NDF:0.0/1

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 1934.159+/-9385.027 χ^2/NDF:0.0/0

Left: -4125.035+/-5020.443 χ^2/NDF: 0.6/2

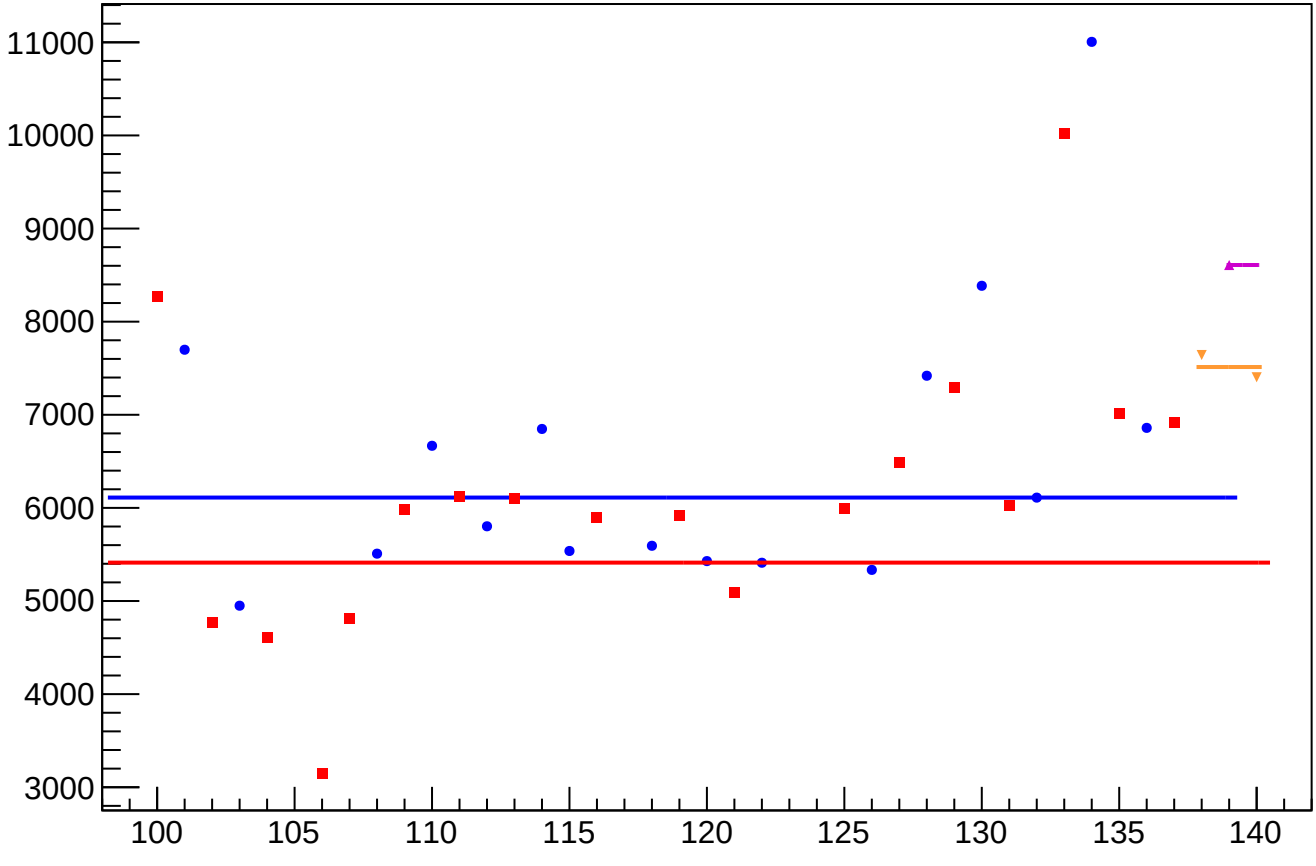
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 1638.147+/-2252.235 χ^2/NDF:14.3/16

Out: -1048.216+/-1947.088 χ^2/NDF:17.0/19

All: 100.785+/-1472.962 χ^2/NDF: 32.0/36

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7512.884+/-4.202 χ^2/NDF:804.2/1

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8608.479+/-6.636 χ^2/NDF:0.0/0

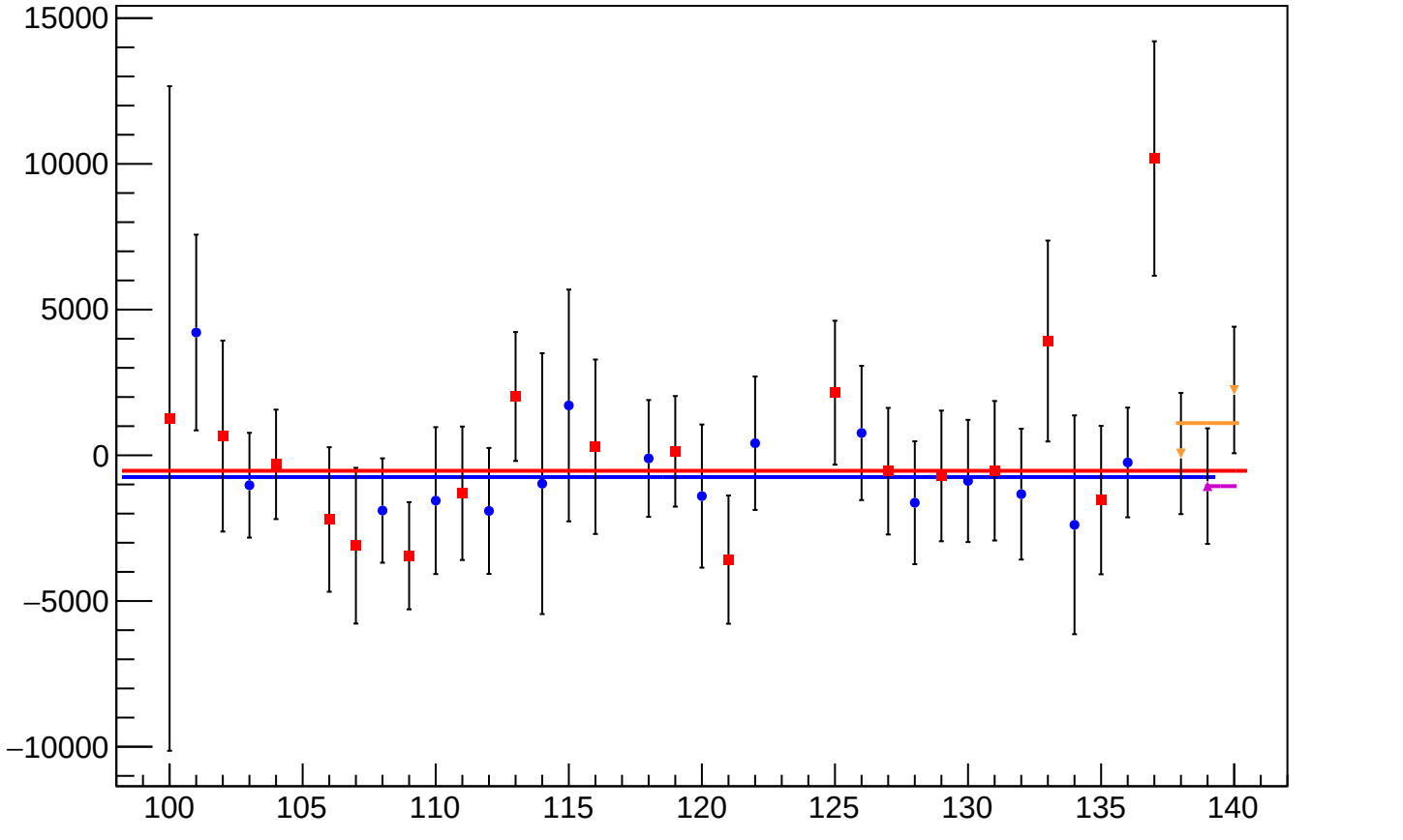
Left: 7826.402+/-3.550 χ^2/NDF: 20260.4/2

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6254.867+/-1.593 χ^2/NDF:605133.1/16

Out: 5637.820+/-1.377 χ^2/NDF:1045437.8/19

All: 5901.741+/-1.042 χ^2/NDF: 1736482.5/36



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1105.190+/-1501.977 χ^2/NDF:0.5/1

Right Out: -531.302+/-575.115 χ^2/NDF: 17.7/17

Left In: -1057.898+/-1982.986 χ^2/NDF:0.0/0

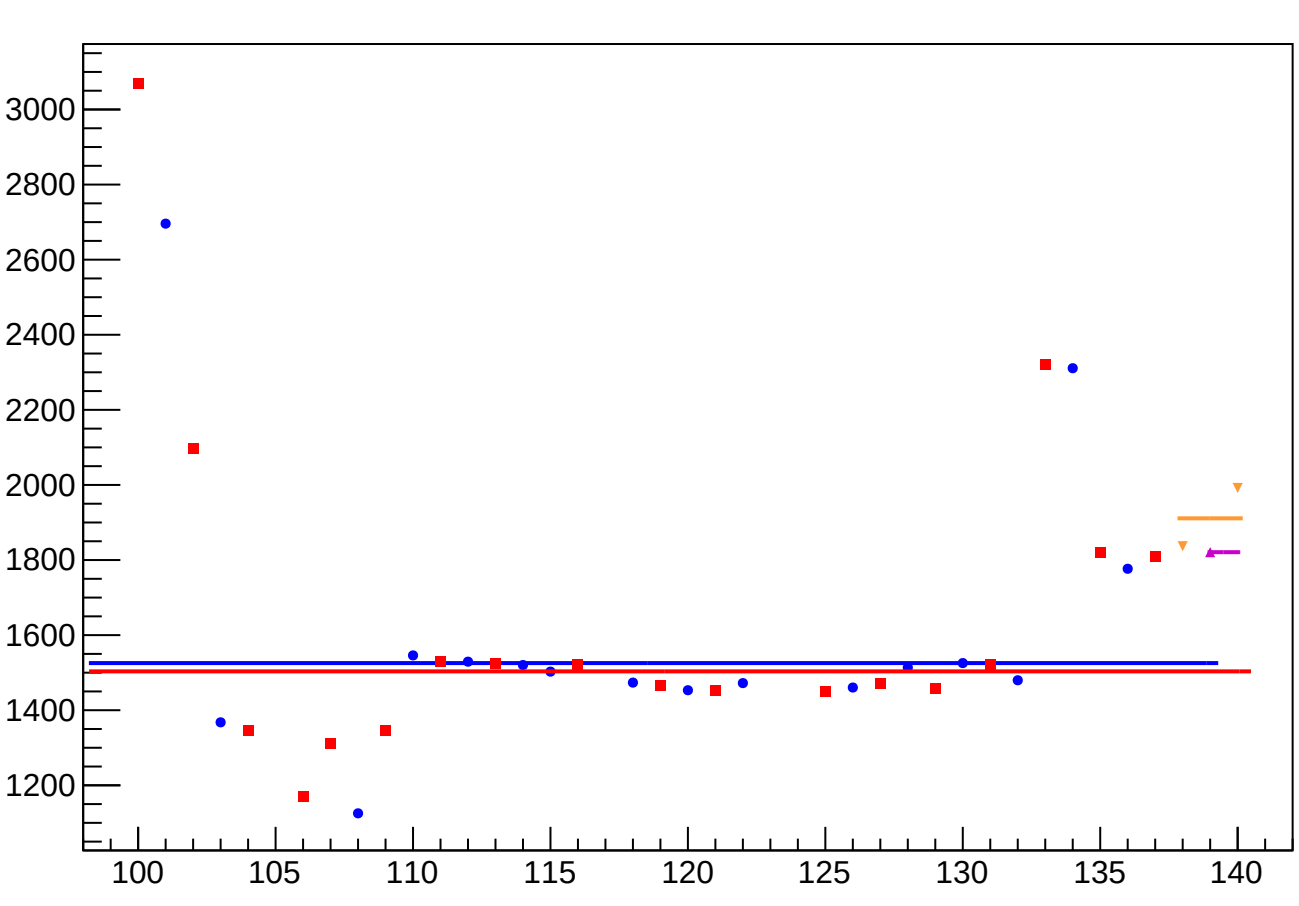
Left: 316.623+/-1197.297 χ^2/NDF: 1.3/2

Right: -638.060+/-407.709 χ^2/NDF: 22.6/33

In: -770.354+/-554.971 χ^2/NDF:4.8/16

Out: -322.046+/-537.088 χ^2/NDF:19.3/19

All: -538.861+/-385.946 χ^2/NDF: 24.4/36



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1911.077+/-1.062 χ^2/NDF:5330.8/1

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1820.922+/-1.402 χ^2/NDF:0.0/0

Left: 1878.210+/-0.847 χ^2/NDF: 7957.8/2

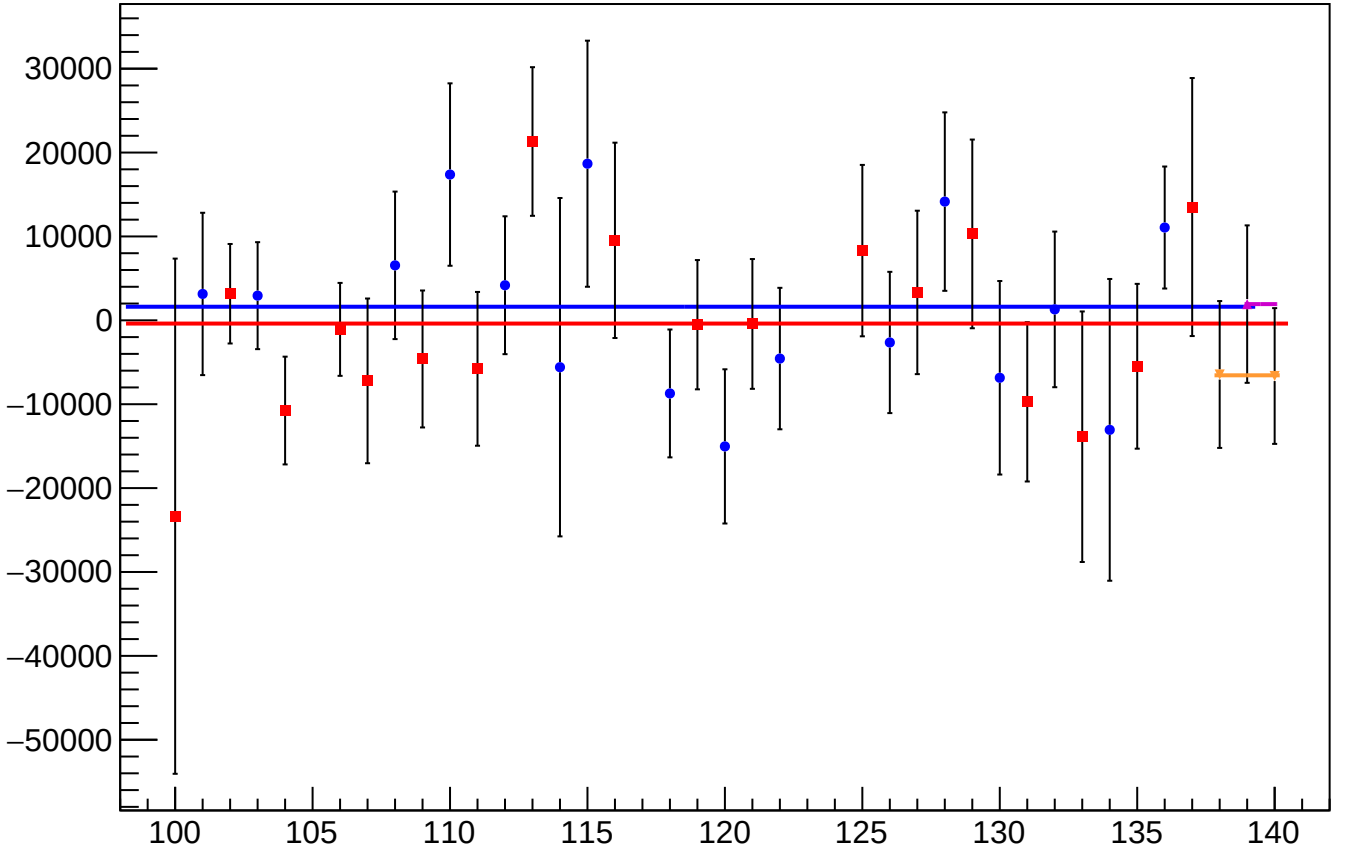
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1548.672+/-0.392 χ^2/NDF:529230.1/16

Out: 1555.533+/-0.380 χ^2/NDF:472330.6/19

All: 1552.216+/-0.273 χ^2/NDF: 1001718.6/36

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -6554.041+/-5942.142 χ^2/NDF:0.0/1

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 1934.200+/-9385.053 χ^2/NDF:0.0/0

Left: -4125.027+/-5020.452 χ^2/NDF: 0.6/2

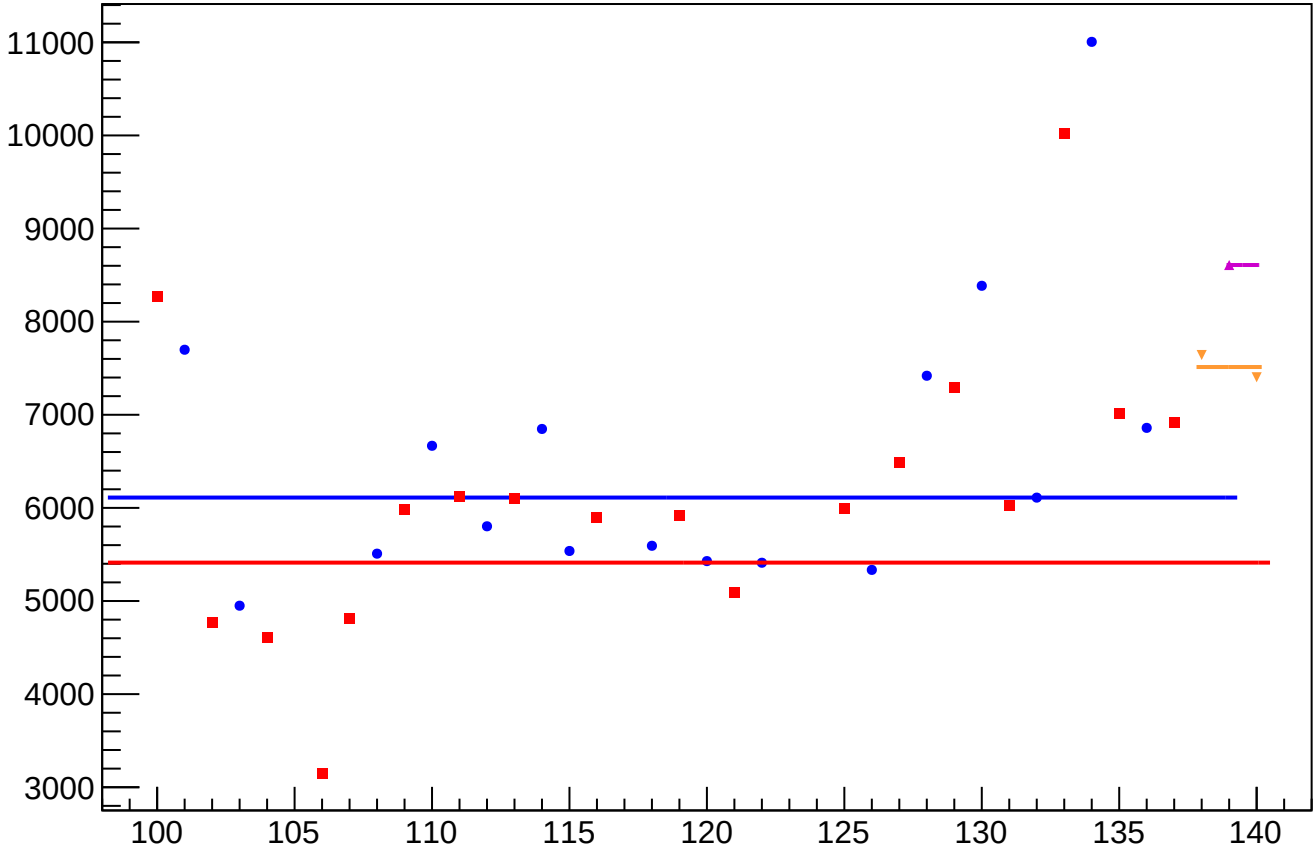
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 1638.131+/-2252.230 χ^2/NDF:14.3/16

Out: -1048.217+/-1947.085 χ^2/NDF:17.0/19

All: 100.777+/-1472.959 χ^2/NDF: 32.0/36

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7512.894+/-4.202 χ^2/NDF:804.3/1

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 8608.503+/-6.636 χ^2/NDF:0.0/0

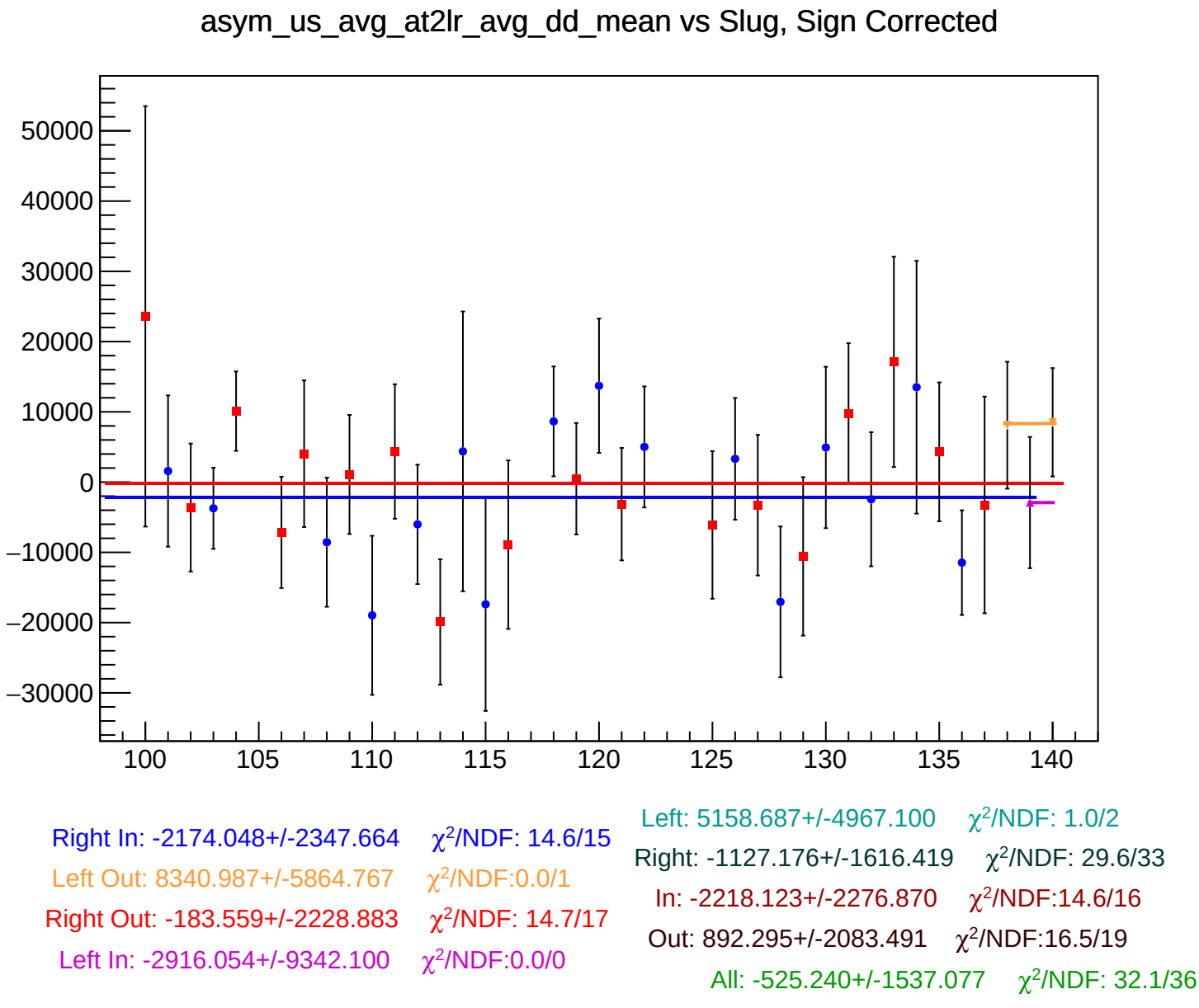
Left: 7826.416+/-3.550 χ^2/NDF: 20260.9/2

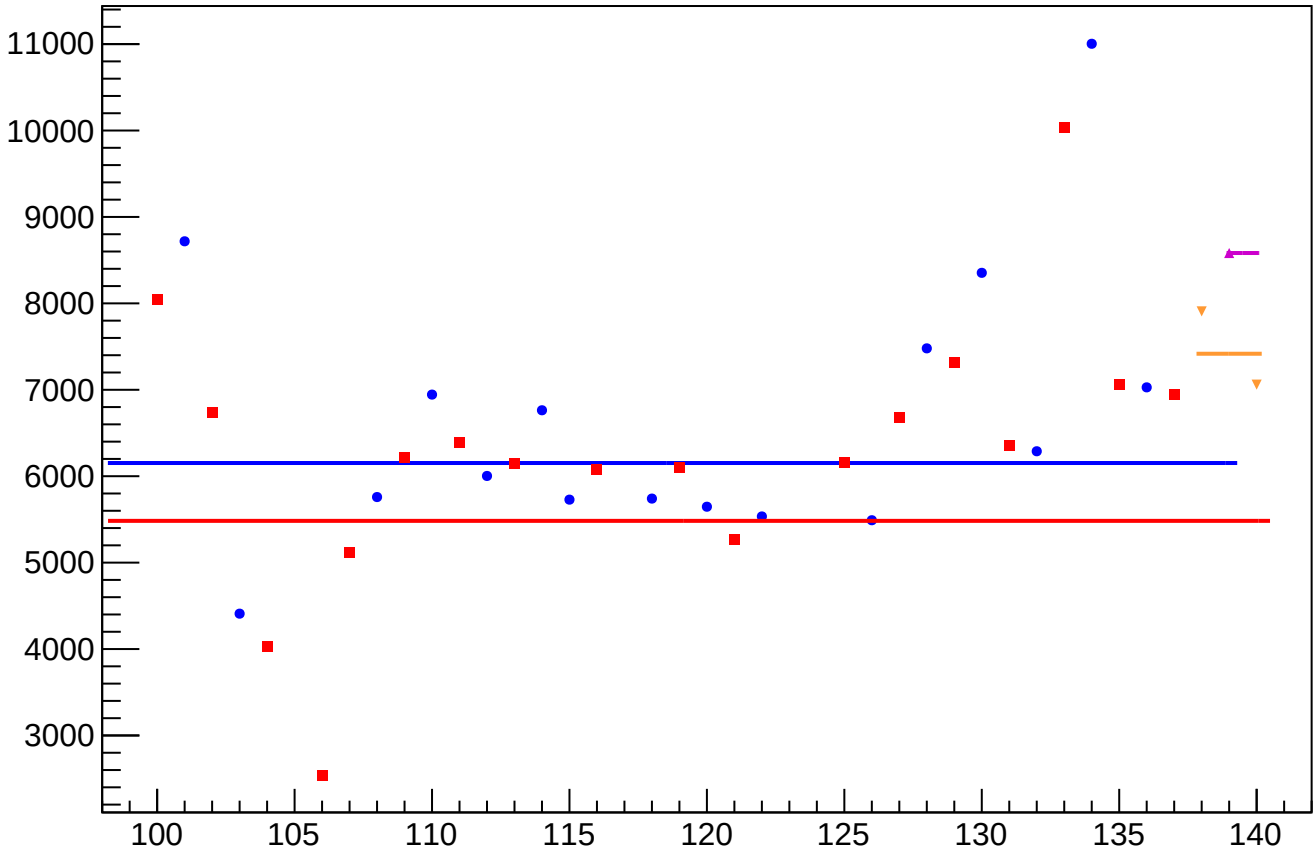
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6254.855+/-1.593 χ^2/NDF:605138.7/16

Out: 5637.810+/-1.377 χ^2/NDF:1045442.3/19

All: 5901.730+/-1.042 χ^2/NDF: 1736492.2/36


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 8340.987+/-5864.767 χ²/NDF:0.0/1
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: -2916.054+/-9342.100 χ²/NDF:0.0/0
Left: 5158.687+/-4967.100 χ²/NDF: 1.0/2
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -2218.123+/-2276.870 χ²/NDF:14.6/16
Out: 892.295+/-2083.491 χ²/NDF:16.5/19
All: -525.240+/-1537.077 χ²/NDF: 32.1/36



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7417.098+/-4.147 χ^2/NDF:10189.0/1

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 8582.654+/-6.606 χ^2/NDF:0.0/0

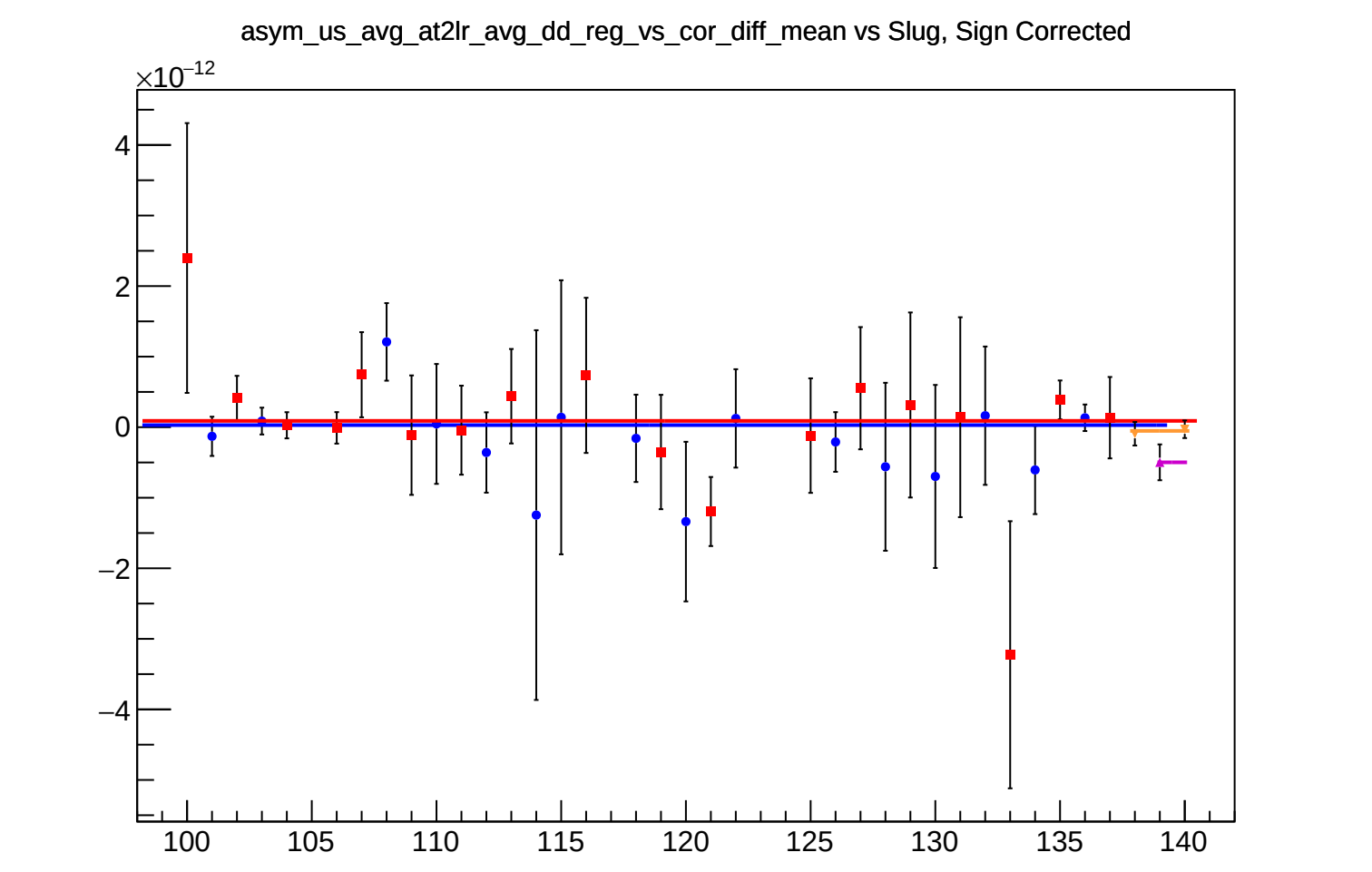
Left: 7746.593+/-3.512 χ^2/NDF: 32520.1/2

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6297.029+/-1.610 χ^2/NDF:751302.5/16

Out: 5712.214+/-1.427 χ^2/NDF:1350603.5/19

All: 5969.454+/-1.068 χ^2/NDF: 2175813.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

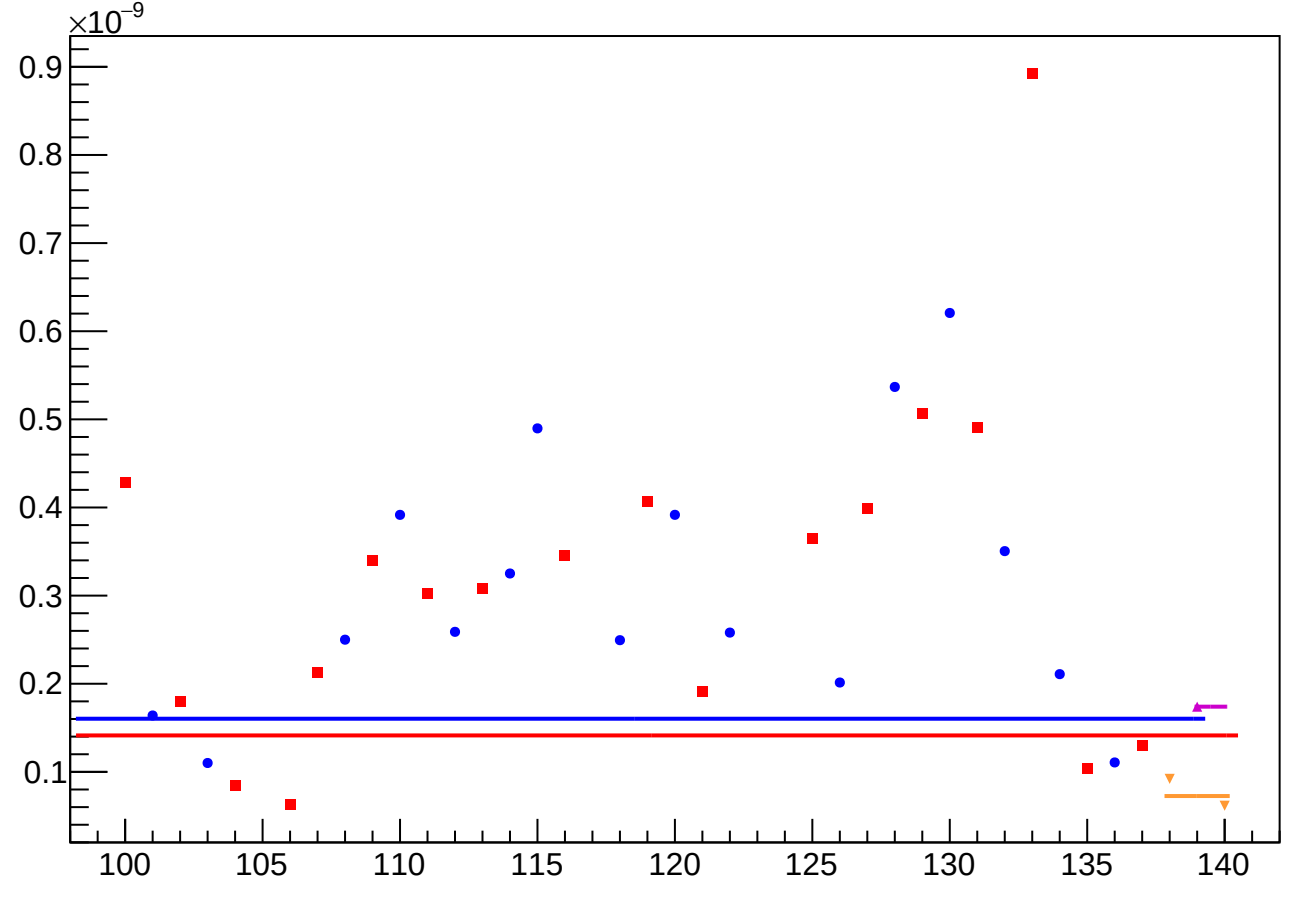
Left: -0.000+/-0.000 χ^2/NDF: 2.8/2

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:13.2/16

Out: 0.000+/-0.000 χ^2/NDF:17.6/19

All: -0.000+/-0.000 χ^2/NDF: 31.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:43018.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 319191.5/2

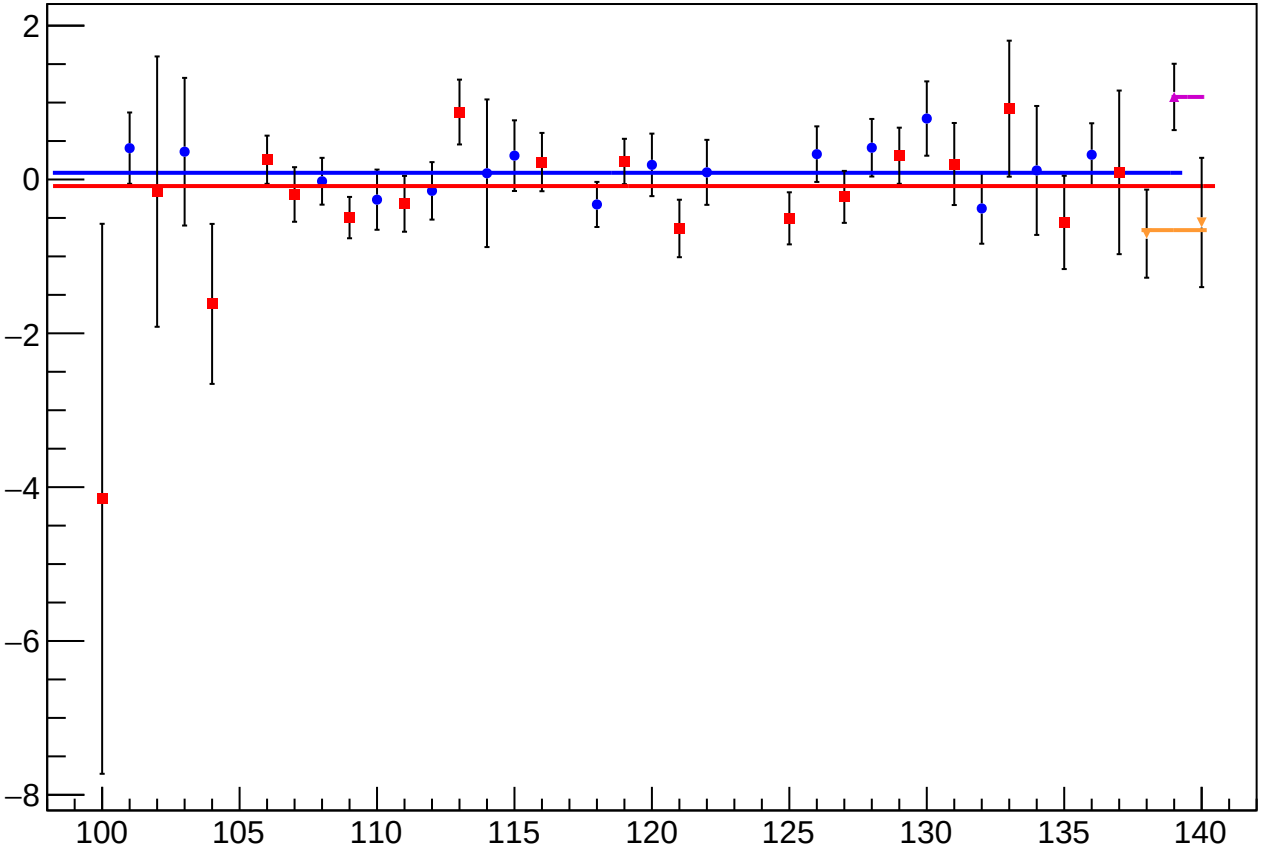
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:1334582.8/16

Out: 0.000+/-0.000 χ^2/NDF:2670834.4/19

All: 0.000+/-0.000 χ^2/NDF: 4446732.4/36

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: -0.658+/-0.473 χ^2/NDF:0.0/1

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 1.073+/-0.431 χ^2/NDF:0.0/0

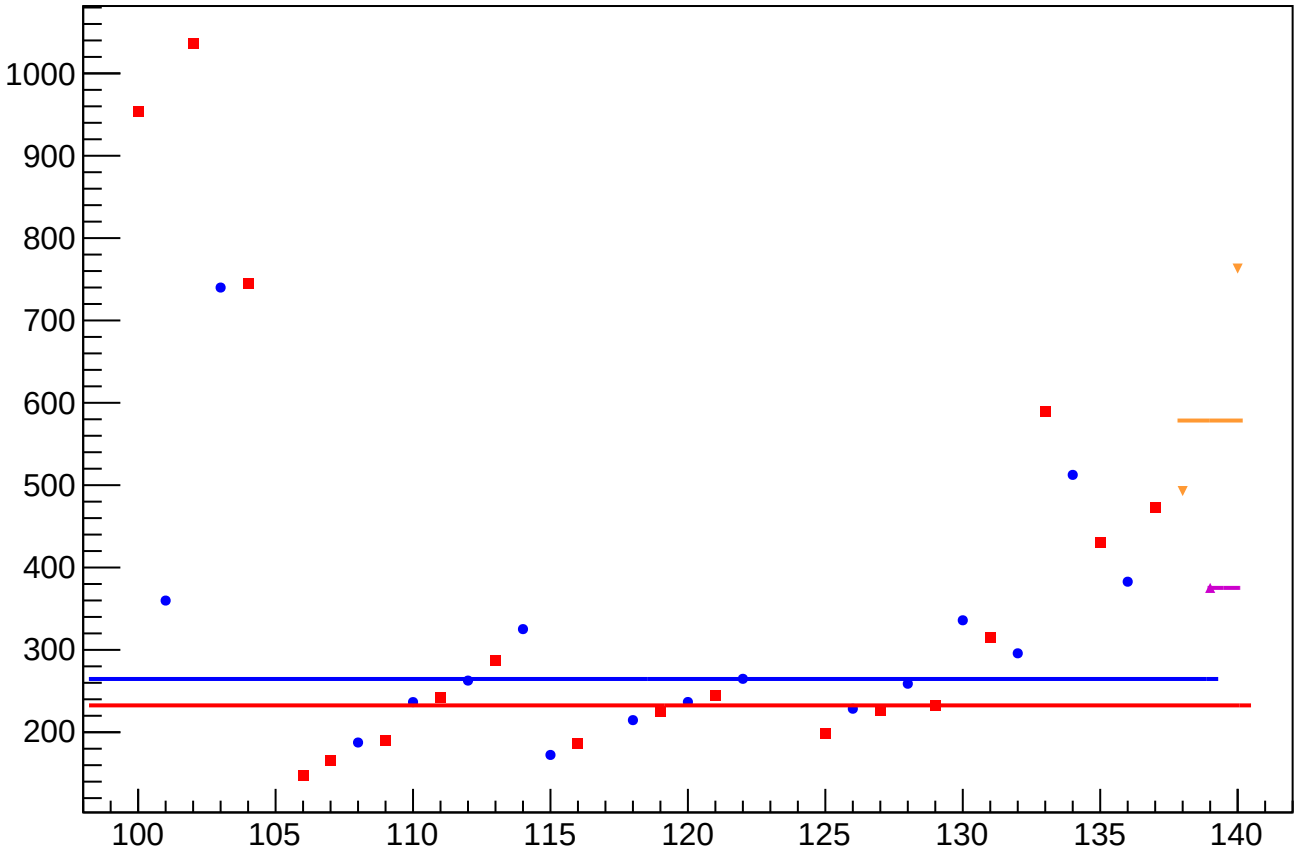
Left: 0.288+/-0.319 χ^2/NDF: 7.3/2

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.142+/-0.102 χ^2/NDF:13.8/16

Out: -0.109+/-0.095 χ^2/NDF:23.3/19

All: 0.008+/-0.070 χ^2/NDF: 40.3/36



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 578.482+/-0.335 χ^2/NDF:141104.9/1

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 375.266+/-0.305 χ^2/NDF:0.0/0

Left: 467.452+/-0.225 χ^2/NDF: 342566.4/2

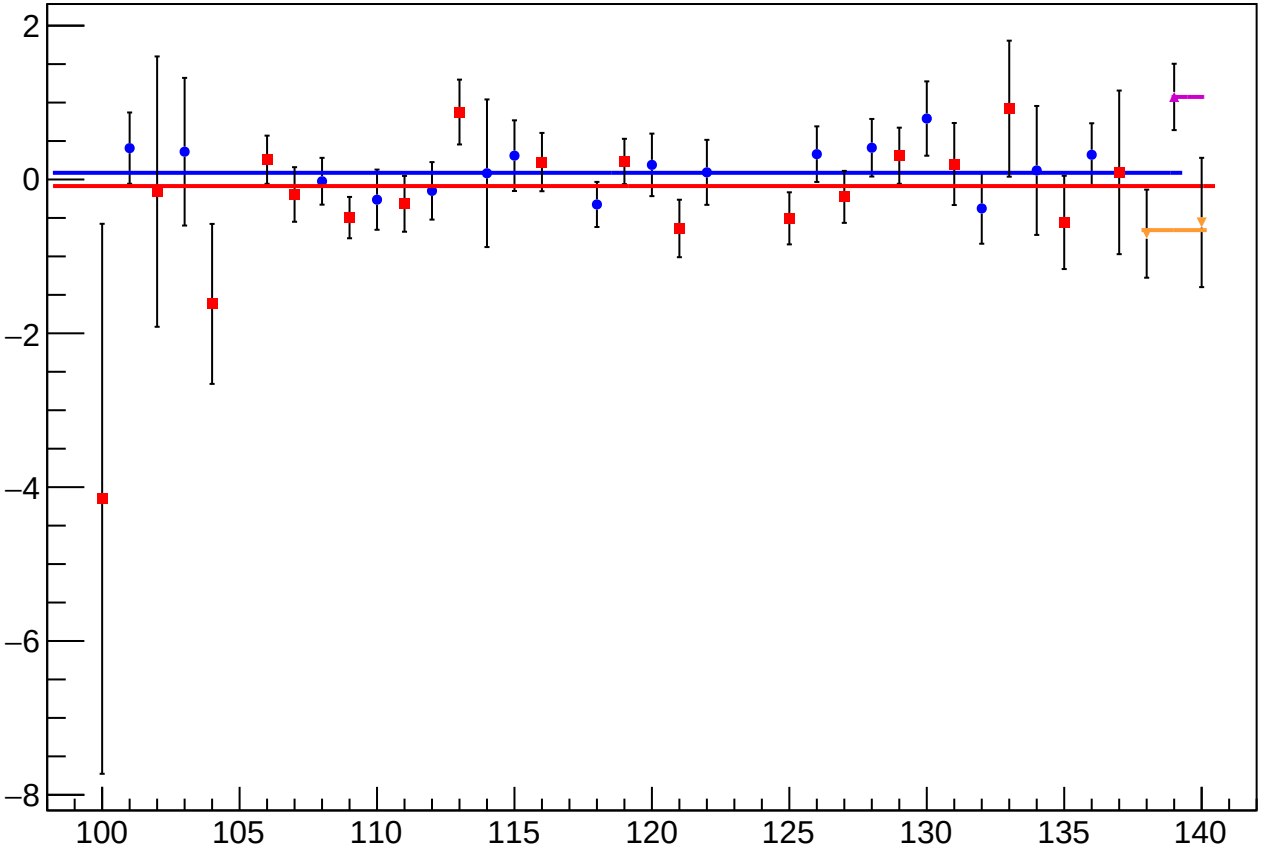
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 270.865+/-0.072 χ^2/NDF:1408177.0/16

Out: 246.632+/-0.067 χ^2/NDF:3198633.4/19

All: 257.921+/-0.049 χ^2/NDF: 4667003.0/36

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.658+/-0.473 χ^2/NDF:0.0/1

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 1.073+/-0.431 χ^2/NDF:0.0/0

Left: 0.288+/-0.319 χ^2/NDF: 7.3/2

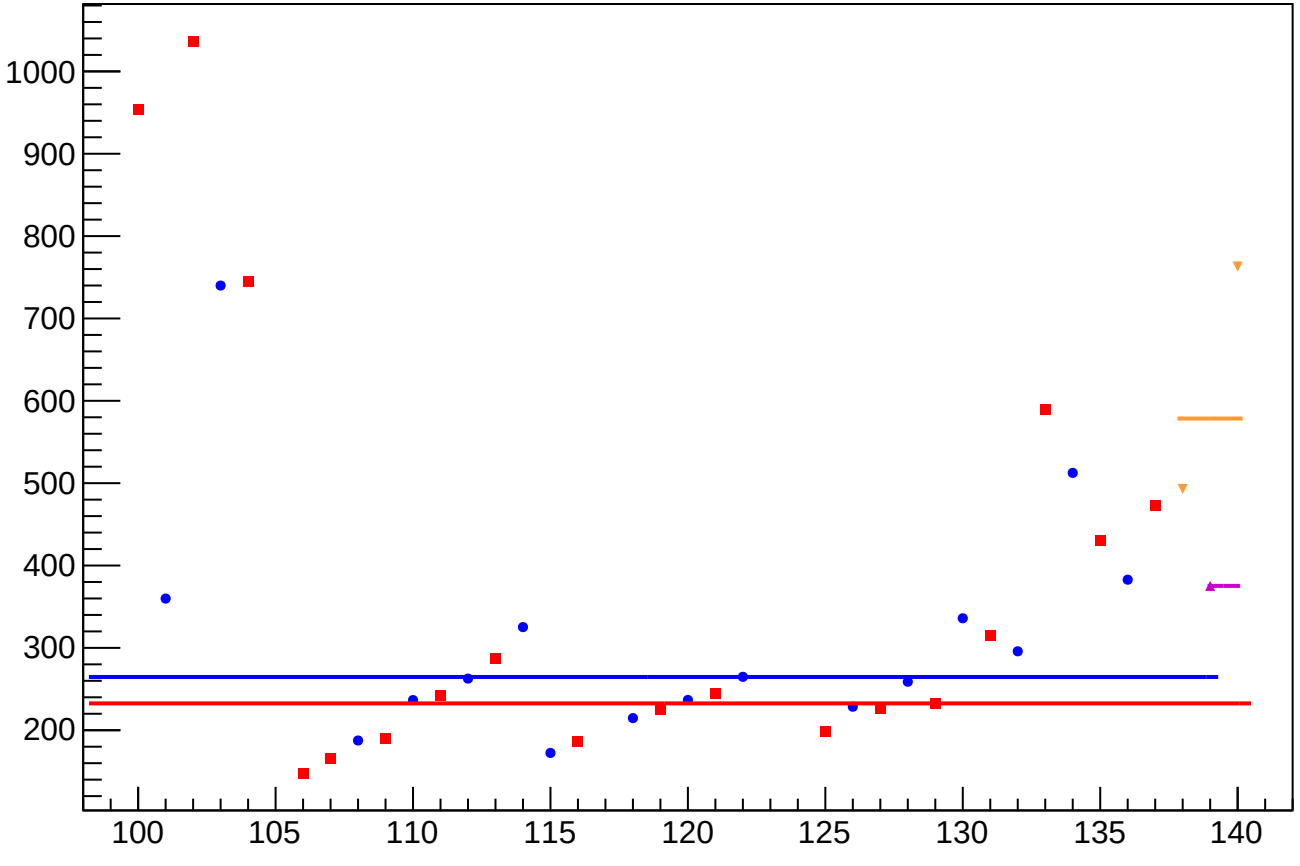
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.142+/-0.102 χ^2/NDF:13.8/16

Out: -0.109+/-0.095 χ^2/NDF:23.3/19

All: 0.008+/-0.070 χ^2/NDF: 40.3/36

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 578.482+/-0.335 χ^2/NDF:141104.9/1

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 375.266+/-0.305 χ^2/NDF:0.0/0

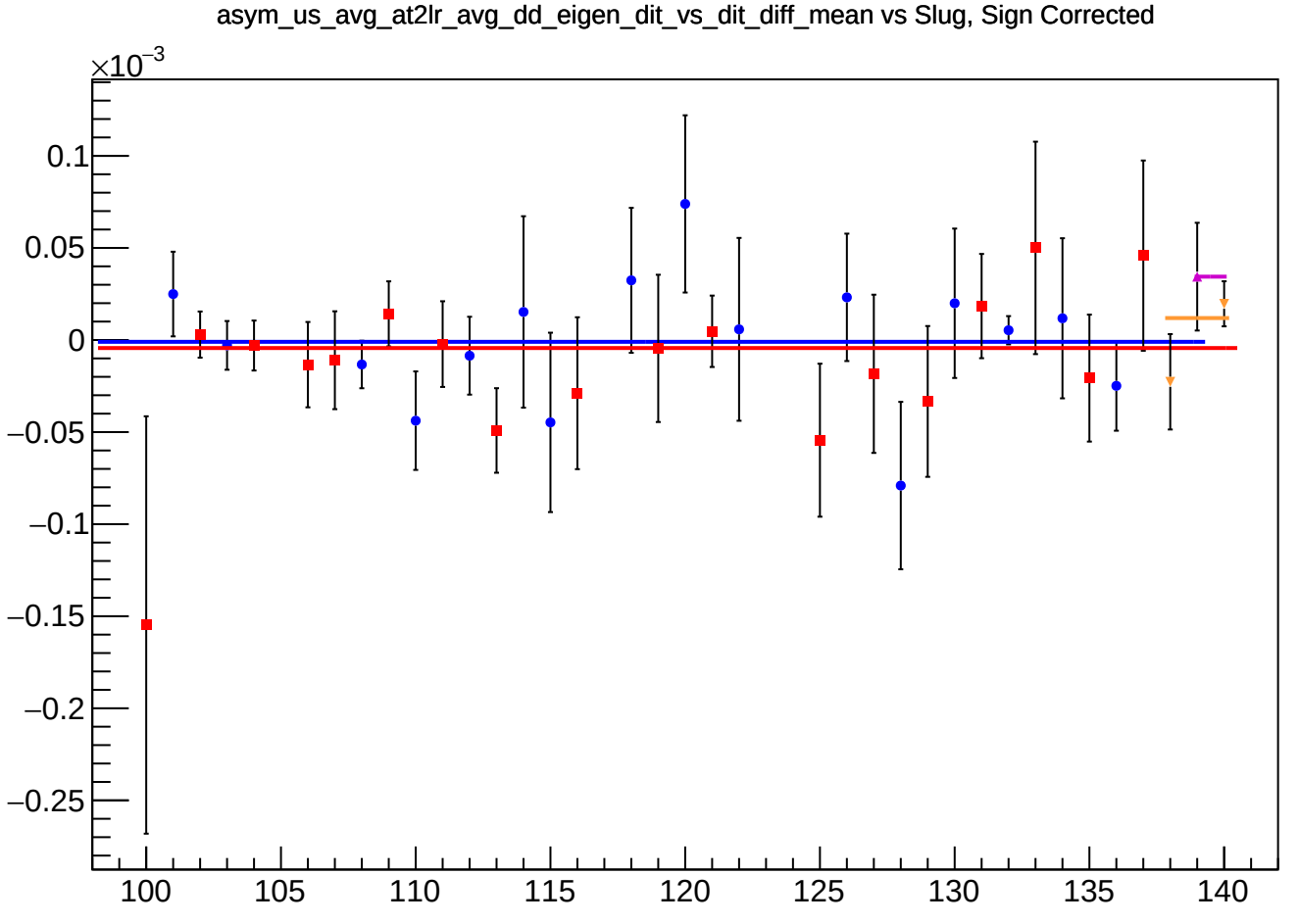
Left: 467.452+/-0.225 χ^2/NDF: 342566.4/2

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 270.865+/-0.072 χ^2/NDF:1408177.0/16

Out: 246.632+/-0.067 χ^2/NDF:3198633.4/19

All: 257.921+/-0.049 χ^2/NDF: 4667003.0/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

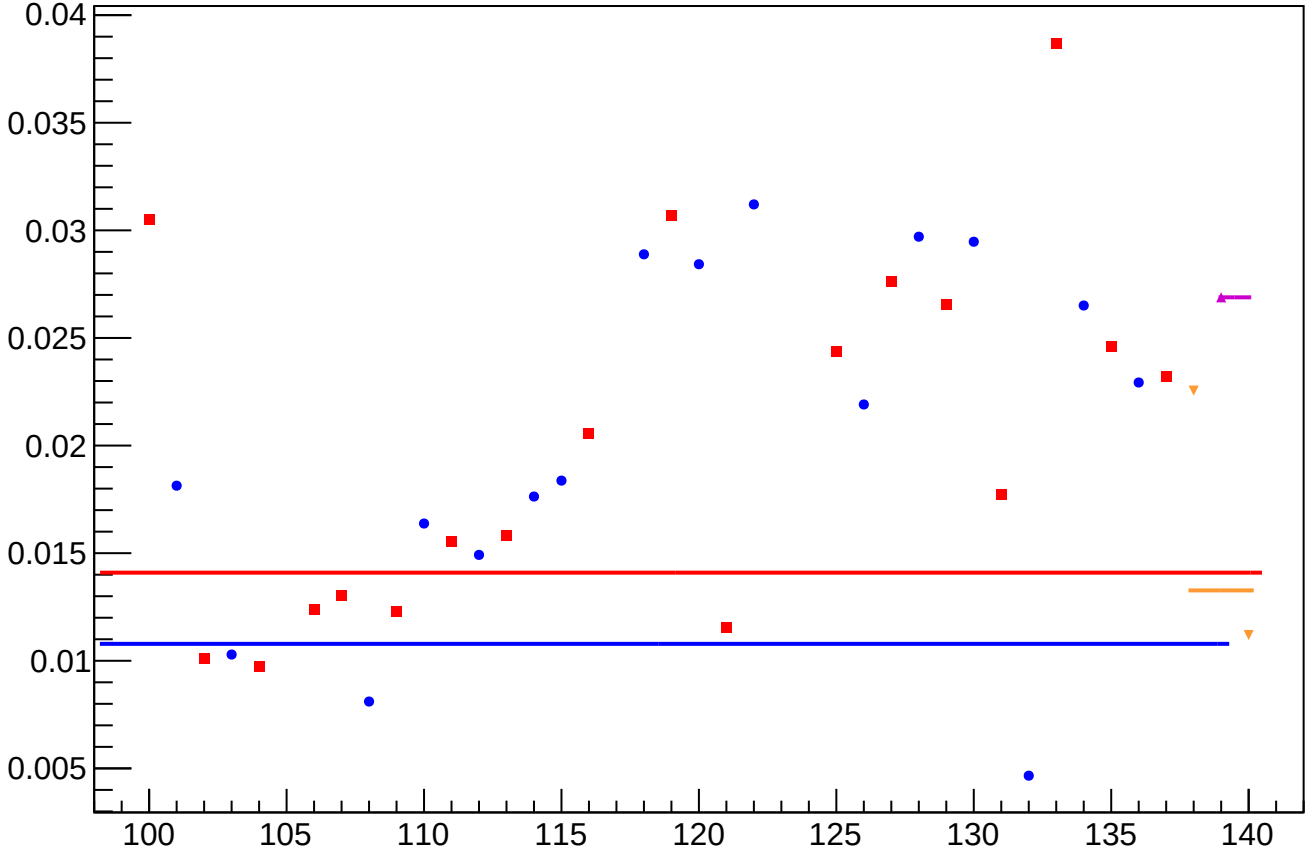
Left: 0.000+/-0.000 χ^2/NDF: 2.7/2

Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:15.8/16

Out: -0.000+/-0.000 χ^2/NDF:16.5/19

All: -0.000+/-0.000 χ^2/NDF: 32.3/36



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.013+/-0.000 χ^2/NDF:314408.5/1

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.027+/-0.000 χ^2/NDF:0.0/0

Left: 0.015+/-0.000 χ^2/NDF: 693528.2/2

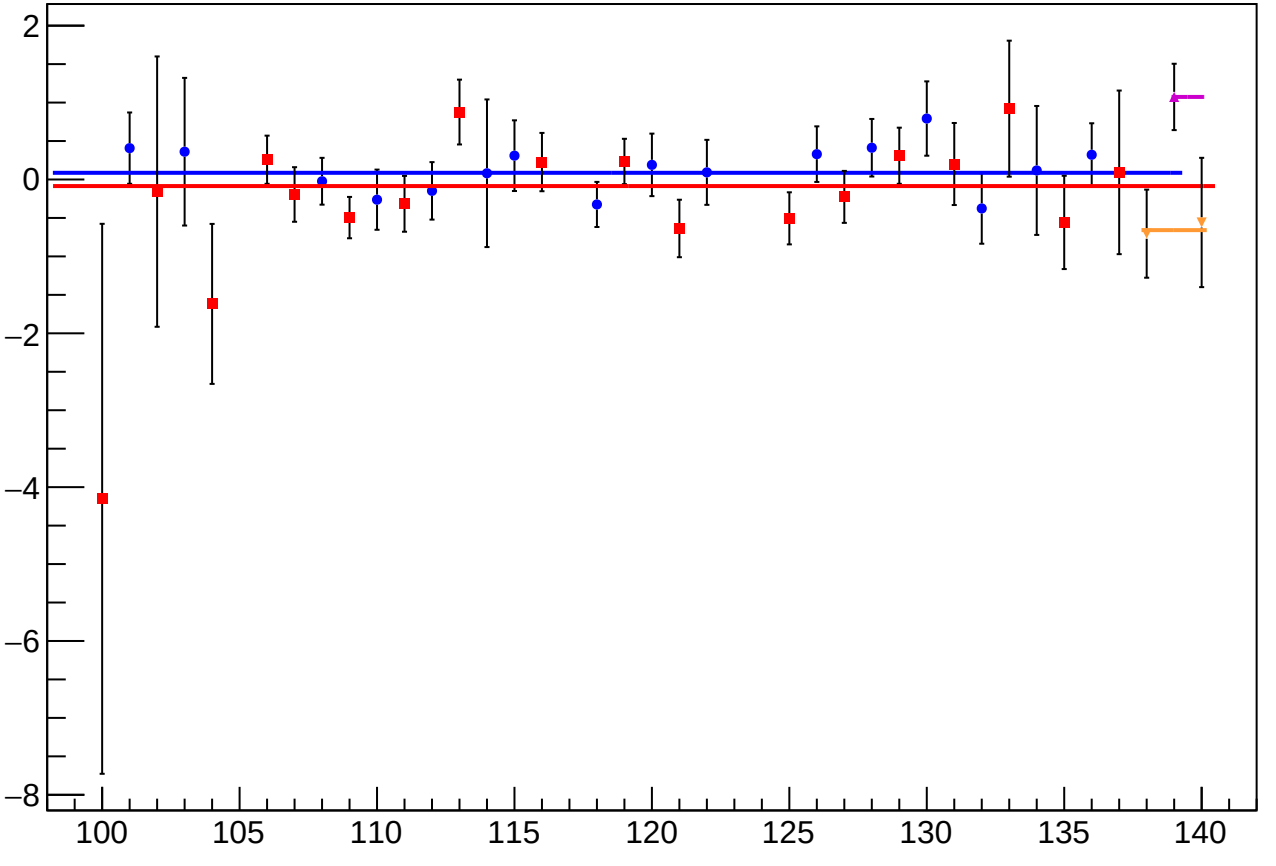
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.011+/-0.000 χ^2/NDF:5168939.0/16

Out: 0.014+/-0.000 χ^2/NDF:2408105.8/19

All: 0.013+/-0.000 χ^2/NDF: 7866132.6/36

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.658+/-0.473 χ^2/NDF:0.0/1

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 1.073+/-0.431 χ^2/NDF:0.0/0

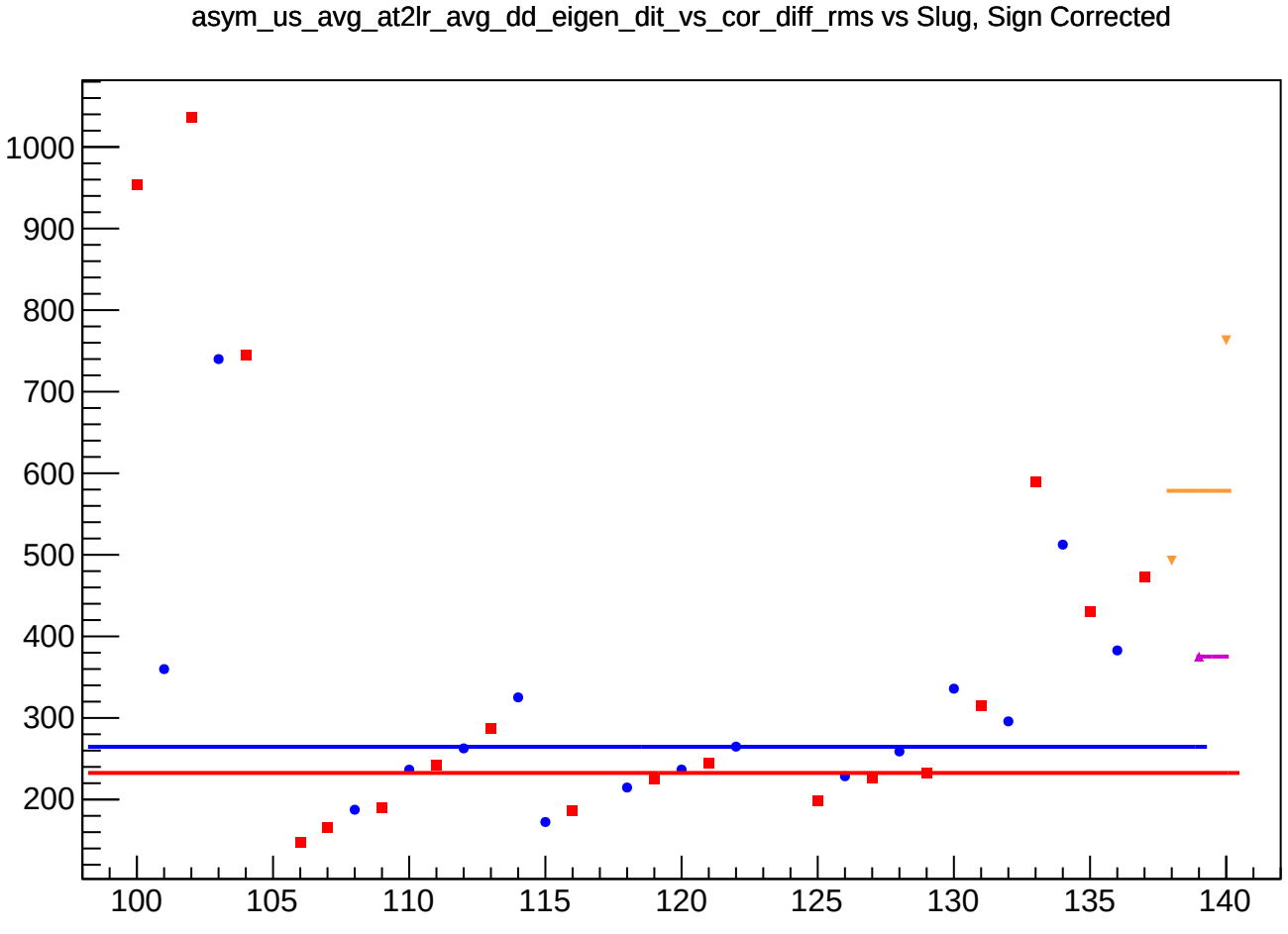
Left: 0.288+/-0.319 χ^2/NDF: 7.3/2

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.142+/-0.102 χ^2/NDF:13.8/16

Out: -0.109+/-0.095 χ^2/NDF:23.3/19

All: 0.008+/-0.070 χ^2/NDF: 40.3/36



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 578.488+/-0.335 χ^2/NDF:141099.9/1

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 375.274+/-0.305 χ^2/NDF:0.0/0

Left: 467.461+/-0.225 χ^2/NDF: 342550.7/2

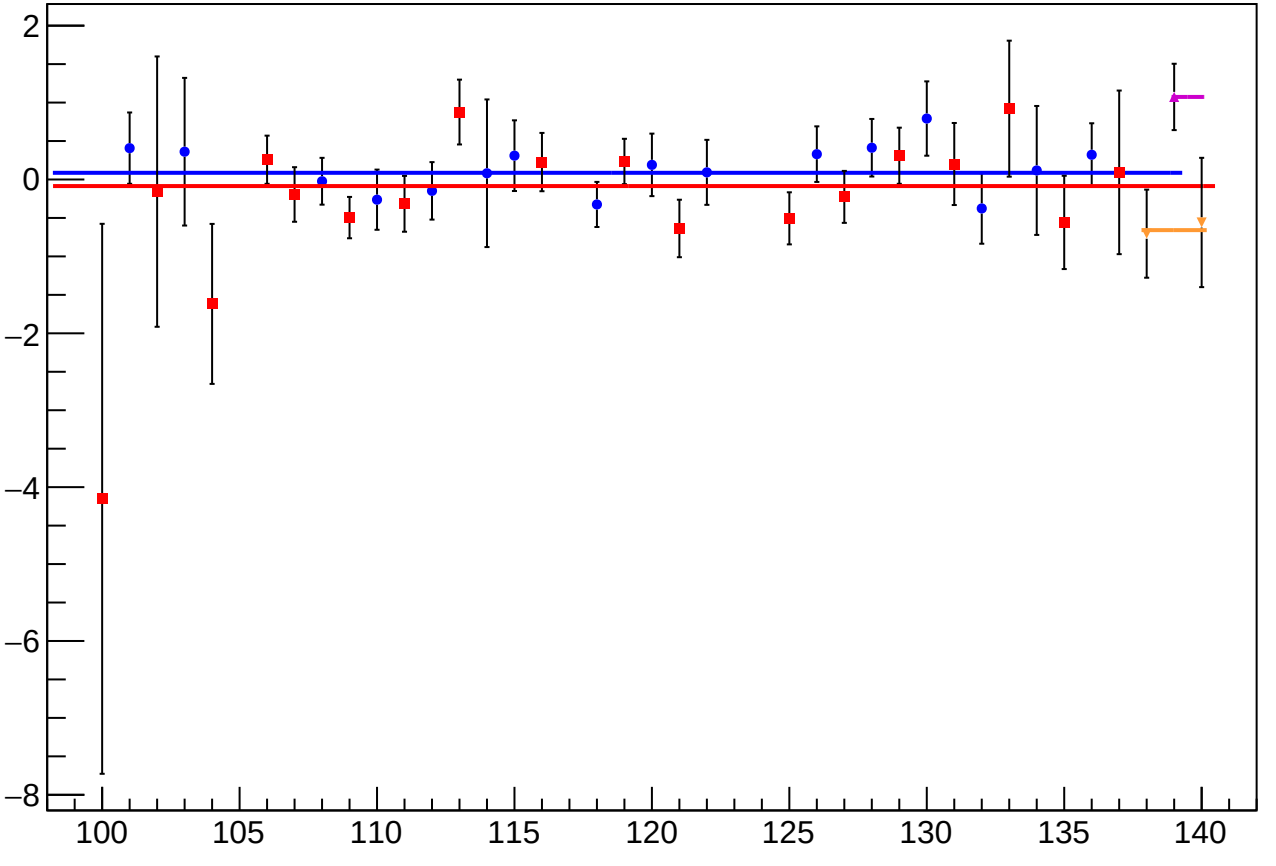
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 270.865+/-0.072 χ^2/NDF:1408161.4/16

Out: 246.633+/-0.067 χ^2/NDF:3198635.4/19

All: 257.922+/-0.049 χ^2/NDF: 4666985.9/36

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: -0.658+/-0.473 χ^2/NDF:0.0/1

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 1.073+/-0.431 χ^2/NDF:0.0/0

Left: 0.288+/-0.319 χ^2/NDF: 7.3/2

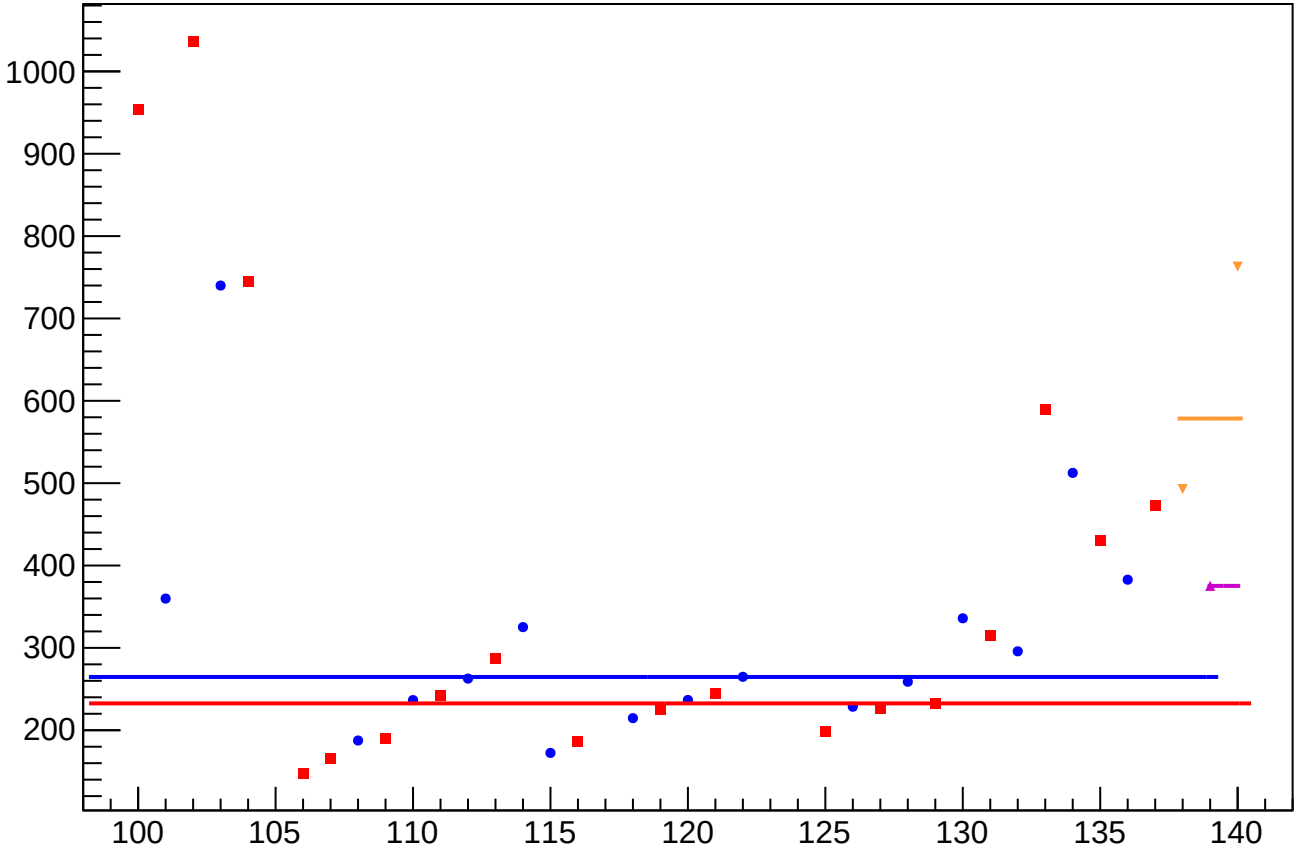
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.142+/-0.102 χ^2/NDF:13.8/16

Out: -0.109+/-0.095 χ^2/NDF:23.3/19

All: 0.008+/-0.070 χ^2/NDF: 40.3/36

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 578.488+/-0.335 χ^2/NDF:141099.9/1

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 375.274+/-0.305 χ^2/NDF:0.0/0

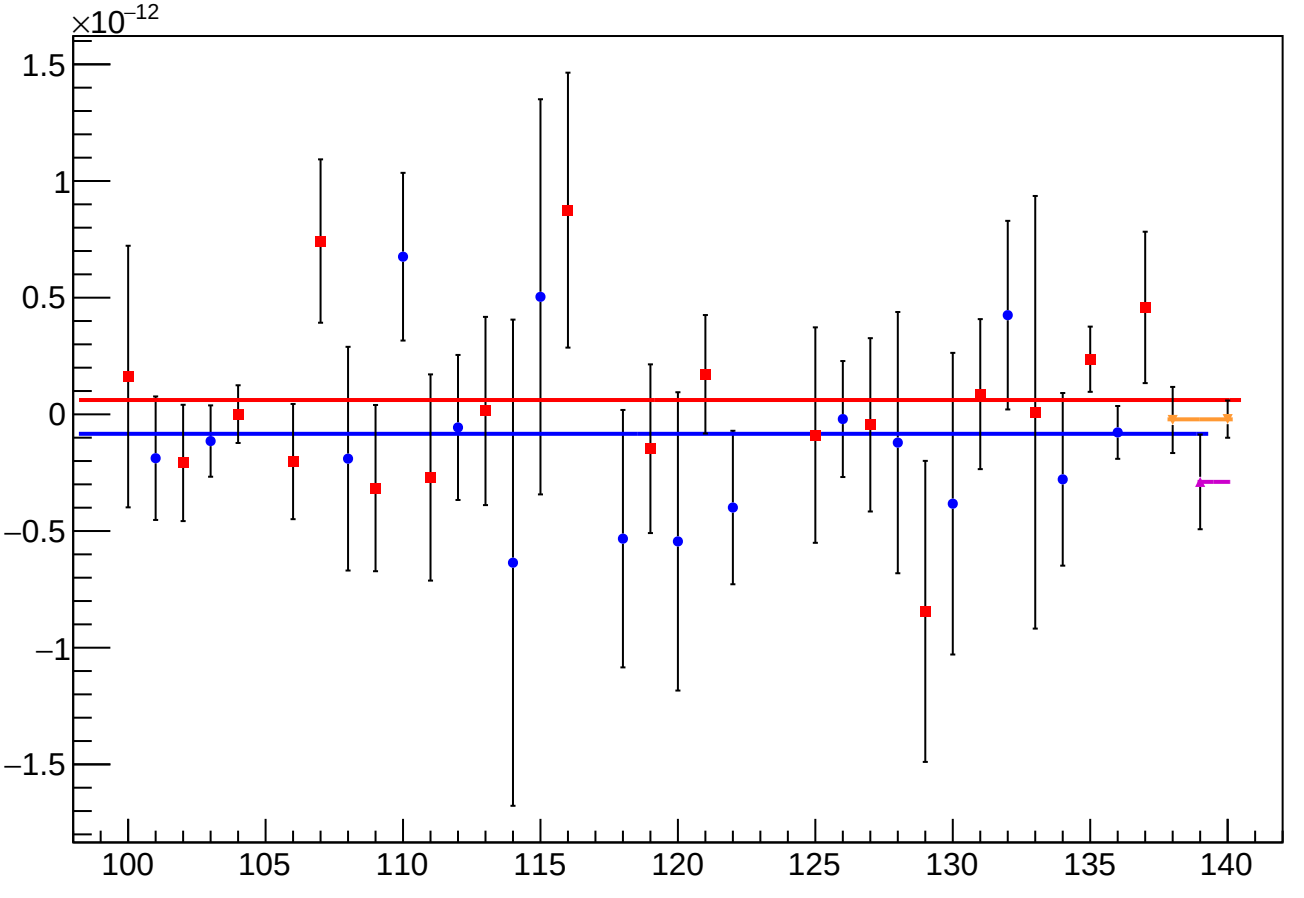
Left: 467.461+/-0.225 χ^2/NDF: 342550.7/2

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 270.865+/-0.072 χ^2/NDF:1408161.4/16

Out: 246.633+/-0.067 χ^2/NDF:3198635.4/19

All: 257.922+/-0.049 χ^2/NDF: 4666985.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

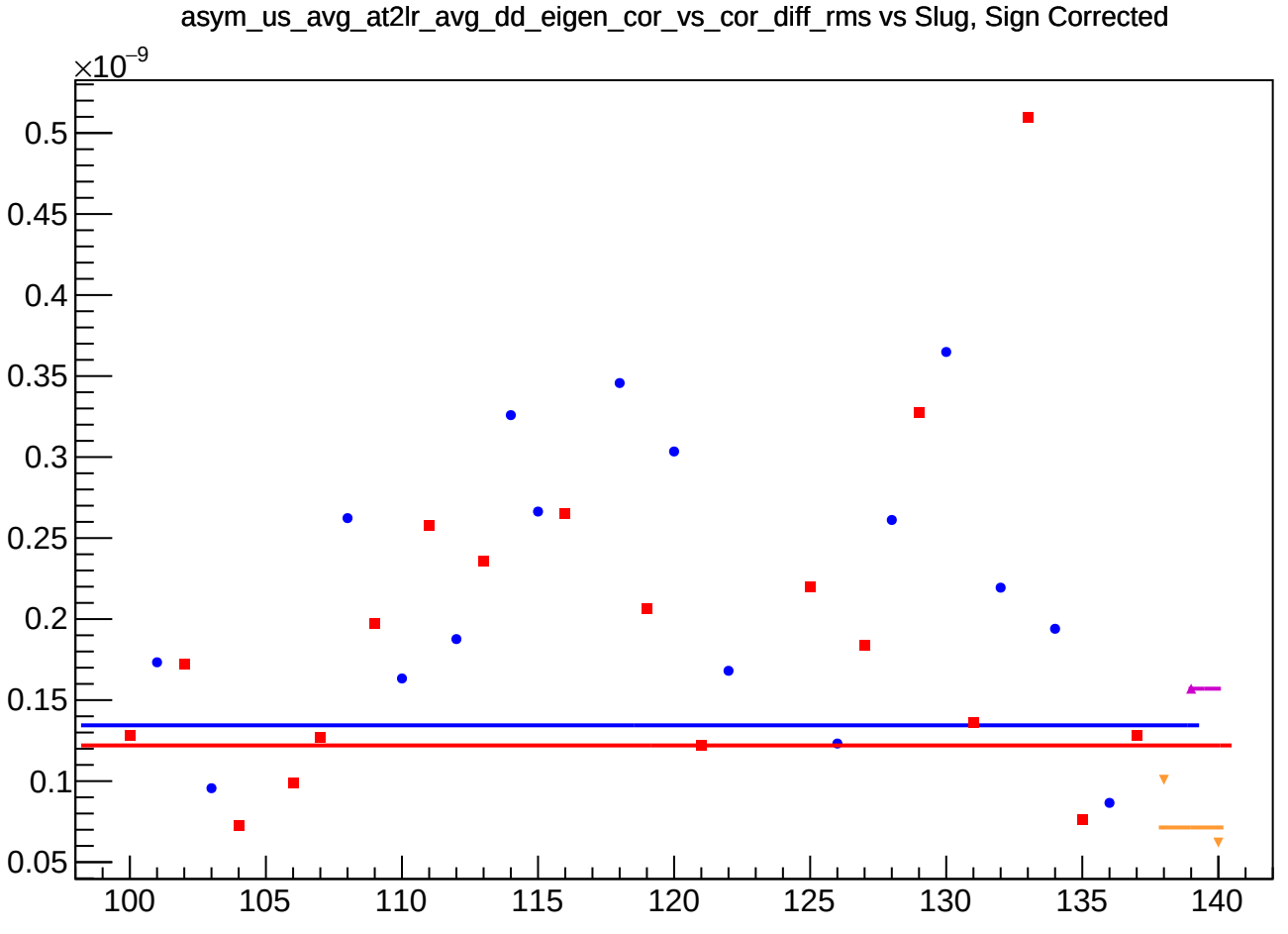
Left: -0.000+/-0.000 χ^2/NDF: 1.6/2

Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: -0.000+/-0.000 χ^2/NDF:10.7/16

Out: 0.000+/-0.000 χ^2/NDF:16.5/19

All: -0.000+/-0.000 χ^2/NDF: 29.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:113614.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

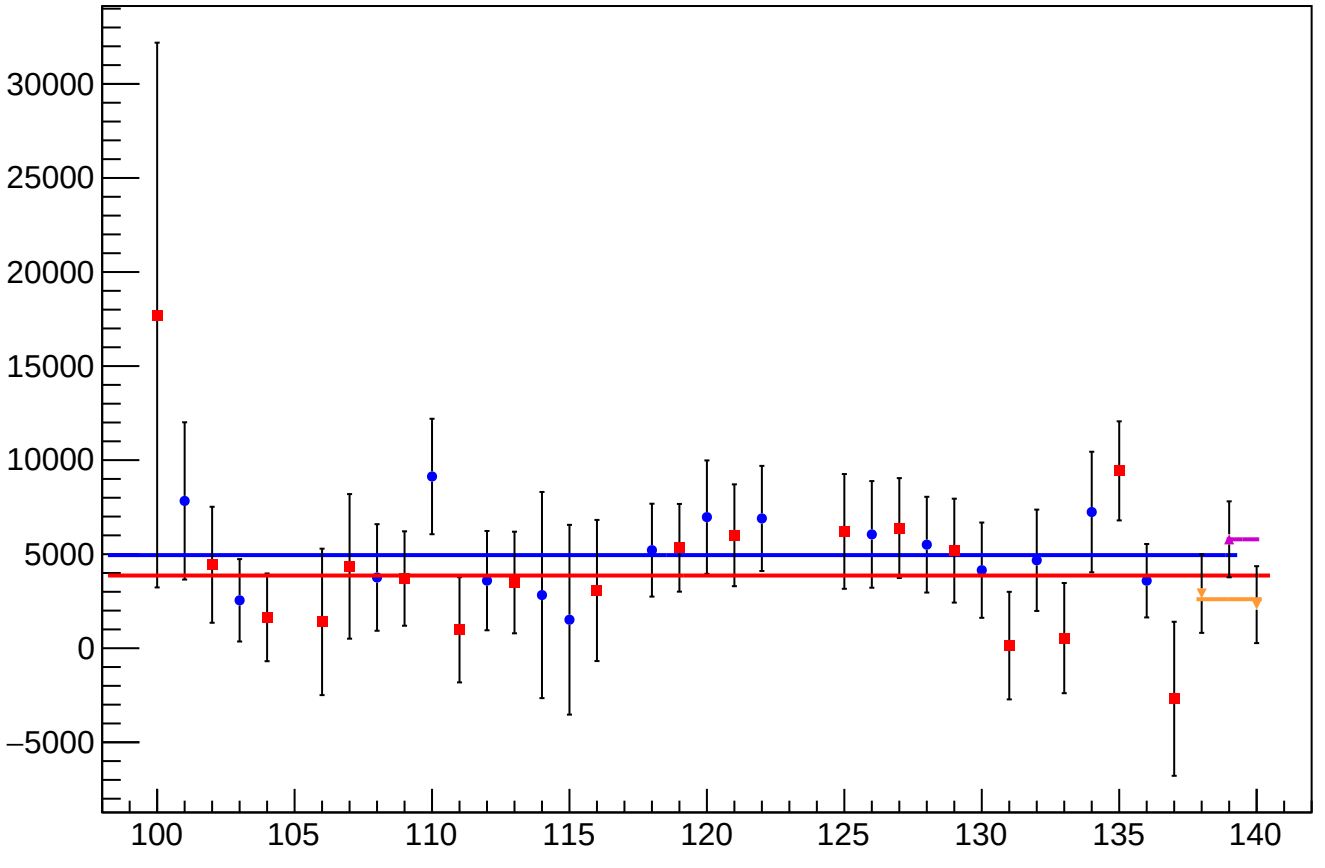
Left: 0.000+/-0.000 χ^2/NDF: 432399.4/2

Right: 0.000+/-0.000 χ^2/NDF: 3852912.0/33

In: 0.000+/-0.000 χ^2/NDF:1837229.3/16

Out: 0.000+/-0.000 χ^2/NDF:2686743.7/19

All: 0.000+/-0.000 χ^2/NDF: 4972095.3/36



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2606.121+/-1462.298 χ^2/NDF:0.0/1

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 5789.653+/-2019.307 χ^2/NDF:0.0/0

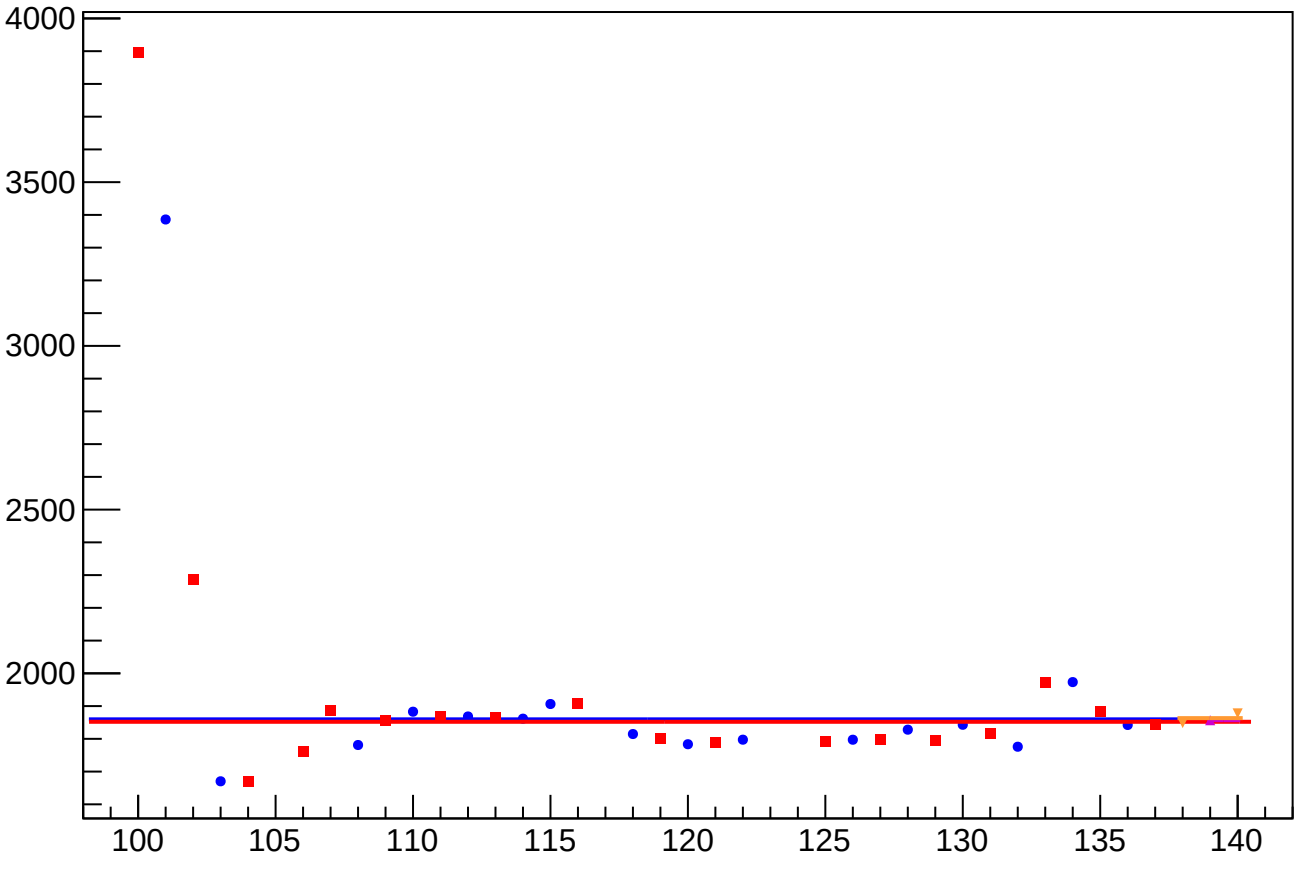
Left: 3701.276+/-1184.365 χ^2/NDF: 1.7/2

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 5040.118+/-660.491 χ^2/NDF:7.0/16

Out: 3632.724+/-628.285 χ^2/NDF:16.8/19

All: 4301.272+/-455.224 χ^2/NDF: 26.2/36



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1863.226+/-1.034 χ^2/NDF:204.4/1

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1856.886+/-1.428 χ^2/NDF:0.0/0

Left: 1861.045+/-0.837 χ^2/NDF: 217.3/2

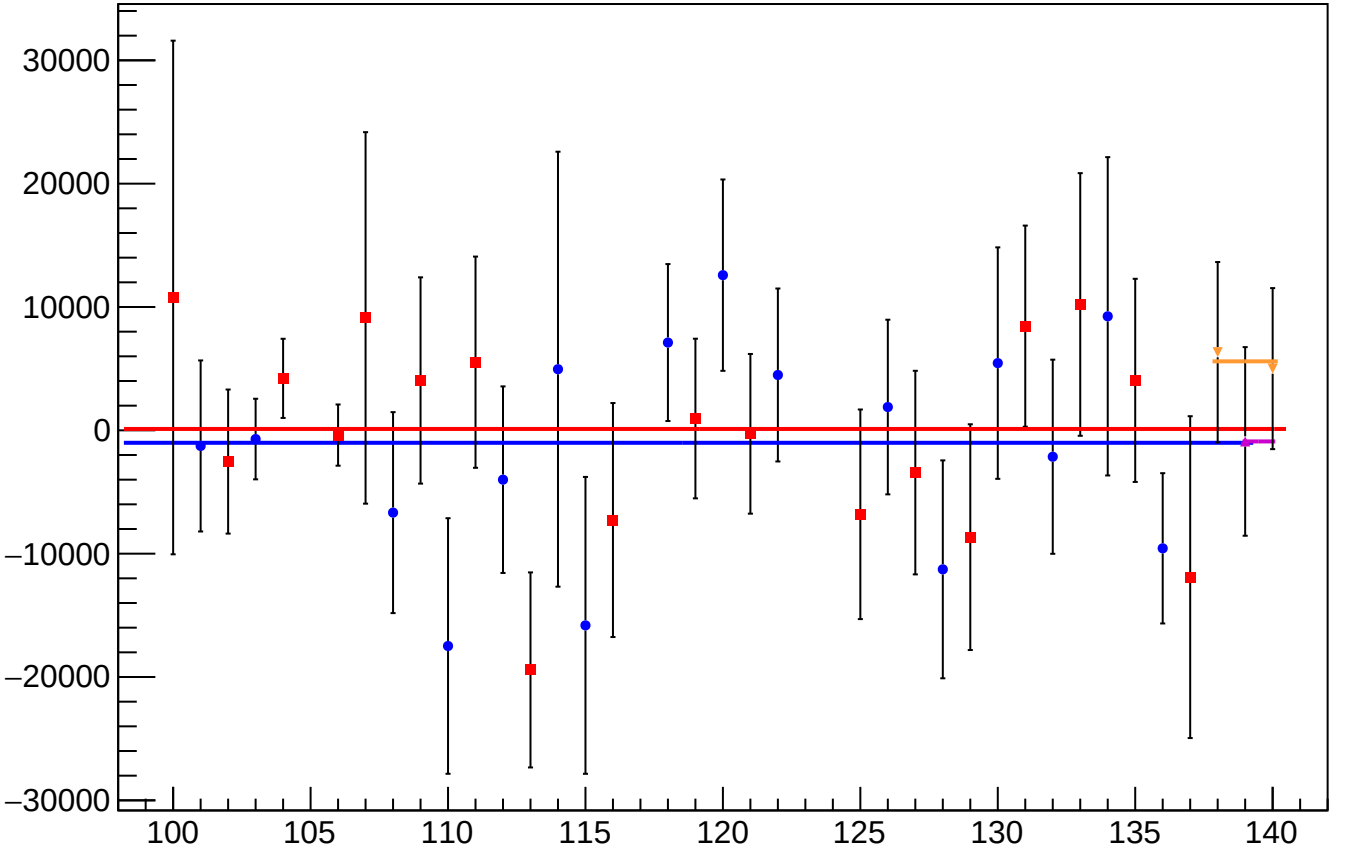
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1859.229+/-0.467 χ^2/NDF:292337.6/16

Out: 1854.115+/-0.443 χ^2/NDF:102512.0/19

All: 1856.538+/-0.321 χ^2/NDF: 394912.7/36

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 5593.305+/-4869.898 χ^2/NDF:0.0/1

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -899.822+/-7646.934 χ^2/NDF:0.0/0

Left: 3719.749+/-4107.653 χ^2/NDF: 0.5/2

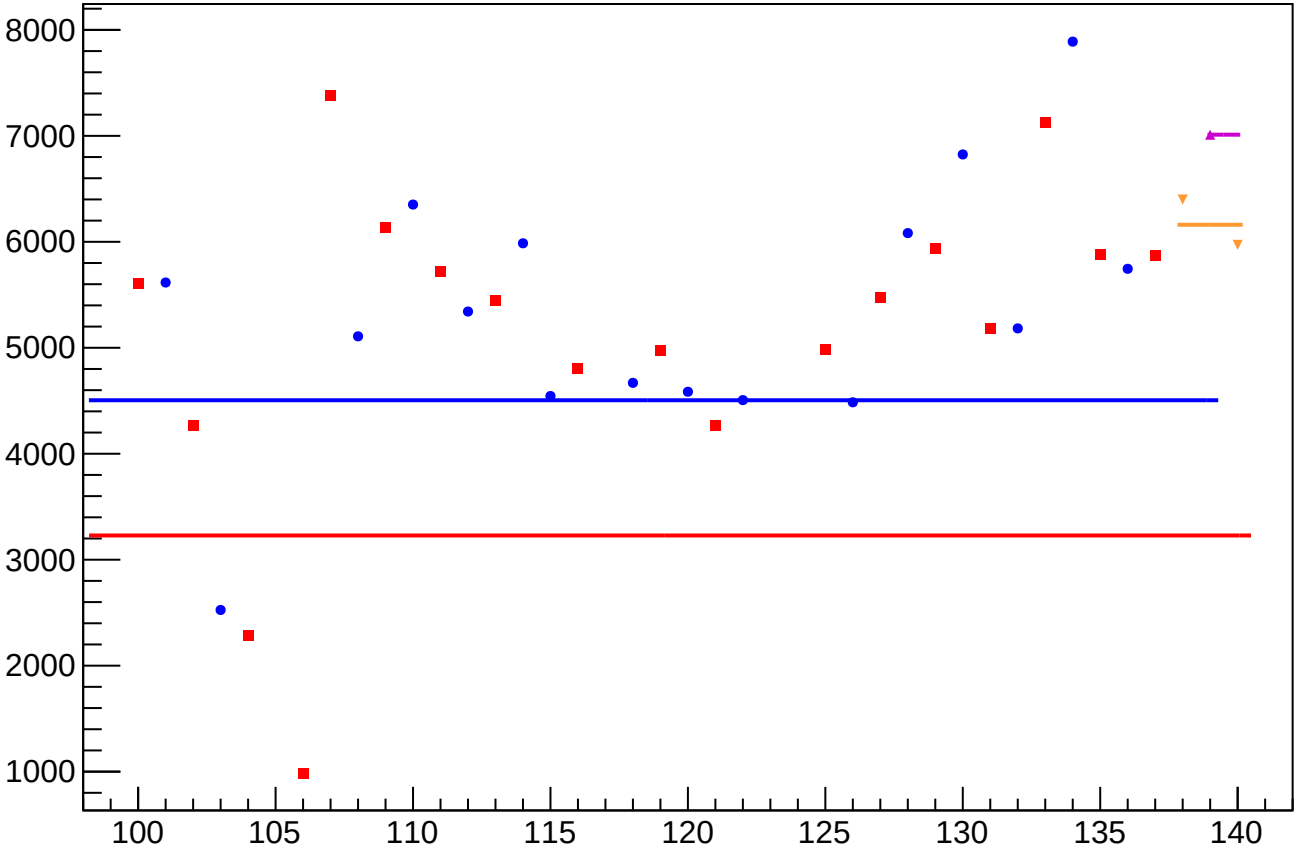
Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -1004.705+/-1719.026 χ^2/NDF:14.7/16

Out: 551.208+/-1379.586 χ^2/NDF:15.8/19

All: -58.326+/-1075.941 χ^2/NDF: 31.1/36

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6160.982+/-3.444 χ^2/NDF:3809.3/1

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 7011.039+/-5.407 χ^2/NDF:0.0/0

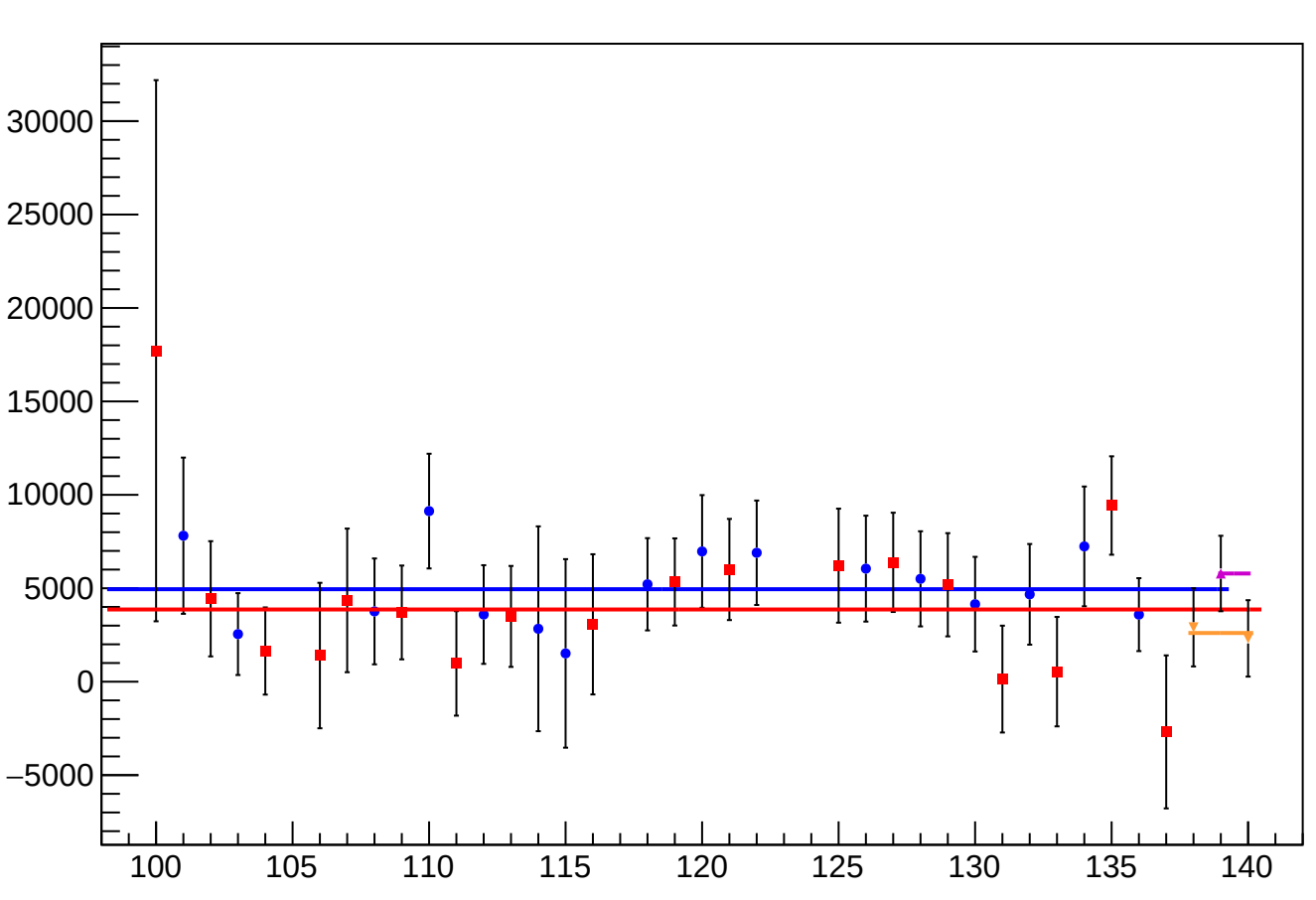
Left: 6406.262+/-2.905 χ^2/NDF: 21392.6/2

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4631.441+/-1.216 χ^2/NDF:1525083.1/16

Out: 3463.935+/-0.976 χ^2/NDF:4627165.2/19

All: 3921.309+/-0.761 χ^2/NDF: 6713377.5/36



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2606.309+/-1462.298 χ^2/NDF:0.0/1

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 5789.984+/-2019.307 χ^2/NDF:0.0/0

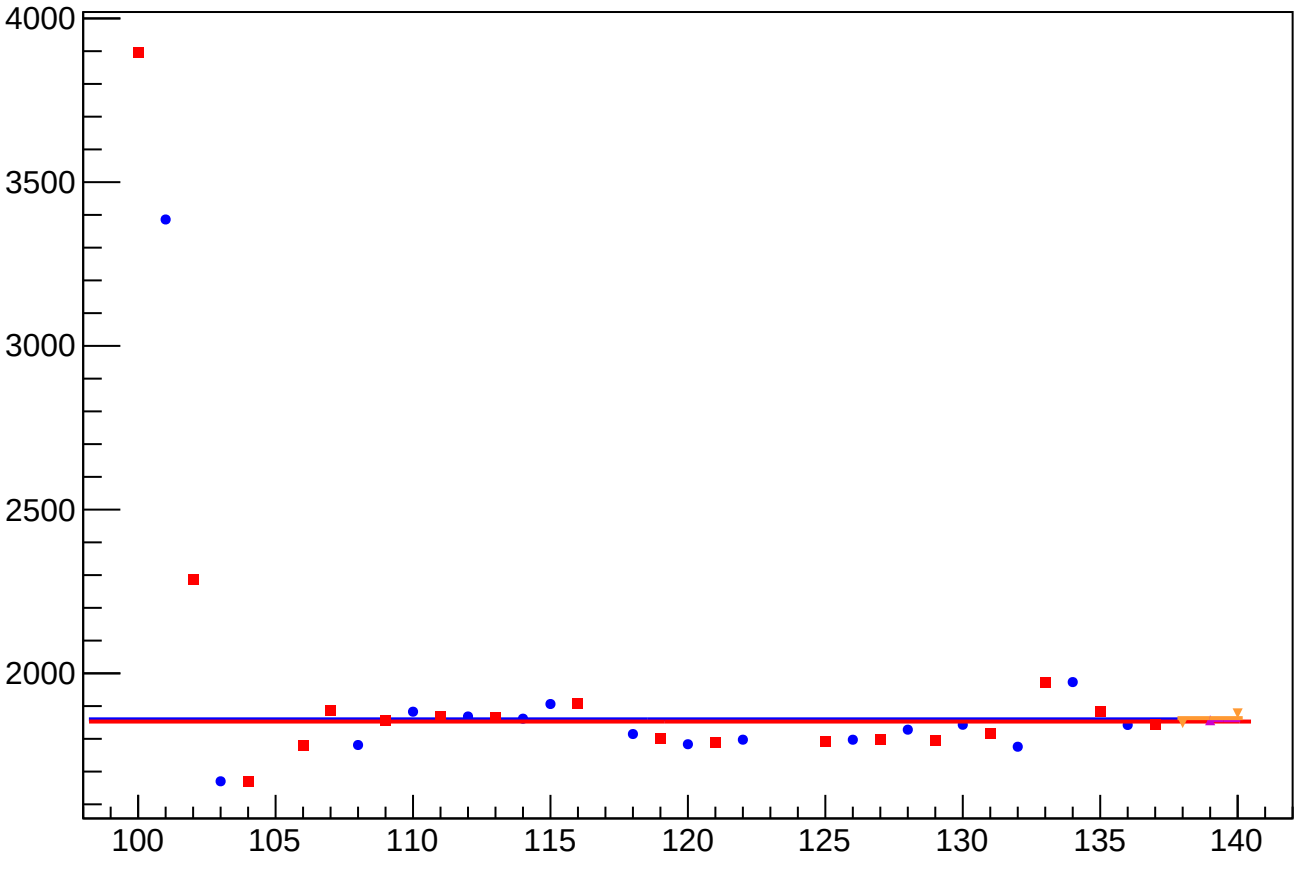
Left: 3701.514+/-1184.365 χ^2/NDF: 1.7/2

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5039.723+/-660.491 χ^2/NDF:7.0/16

Out: 3632.583+/-628.285 χ^2/NDF:16.8/19

All: 4301.011+/-455.224 χ^2/NDF: 26.2/36



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1863.226+/-1.034 χ^2/NDF:204.4/1

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1856.886+/-1.428 χ^2/NDF:0.0/0

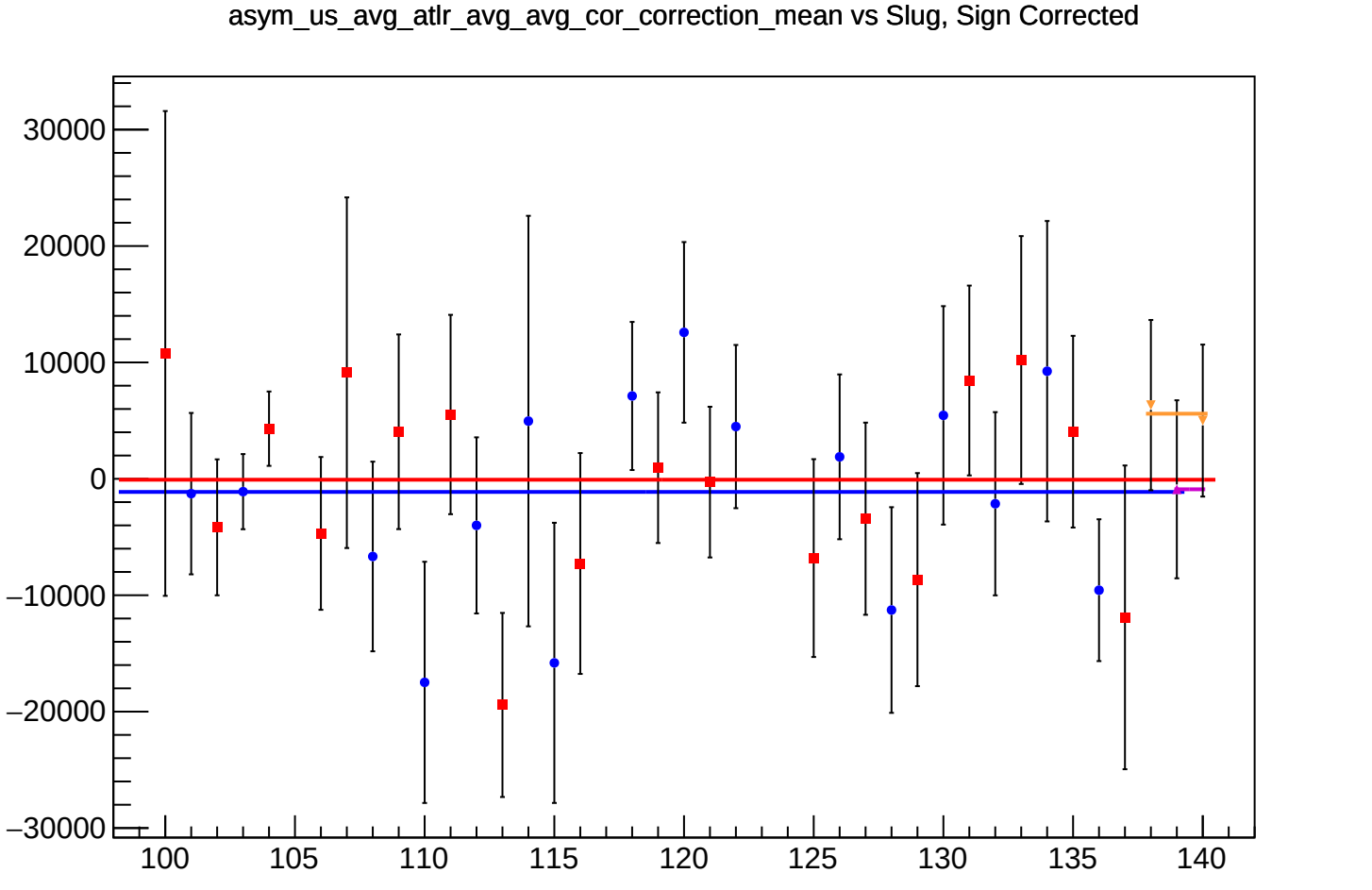
Left: 1861.045+/-0.837 χ^2/NDF: 217.3/2

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1859.229+/-0.467 χ^2/NDF:292339.5/16

Out: 1854.692+/-0.443 χ^2/NDF:102038.4/19

All: 1856.842+/-0.322 χ^2/NDF: 394427.5/36



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 5593.542+/-4869.891 χ^2/NDF:0.0/1

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -899.781+/-7646.945 χ^2/NDF:0.0/0

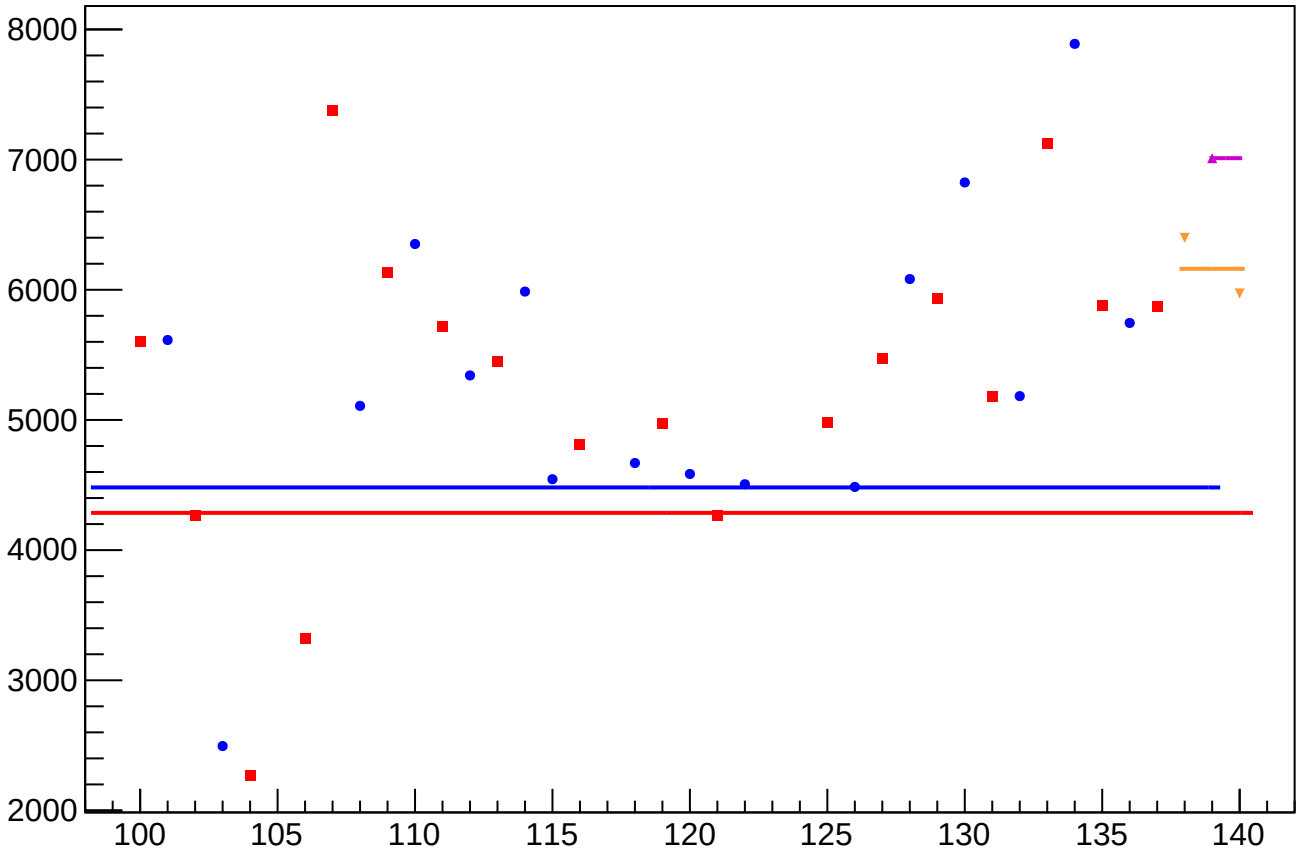
Left: 3719.937+/-4107.651 χ^2/NDF: 0.5/2

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -1114.234+/-1713.192 χ^2/NDF:14.7/16

Out: 539.397+/-1607.073 χ^2/NDF:16.8/19

All: -234.621+/-1172.094 χ^2/NDF: 32.0/36



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6160.973+/-3.444 χ^2/NDF:3809.6/1

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 7011.049+/-5.407 χ^2/NDF:0.0/0

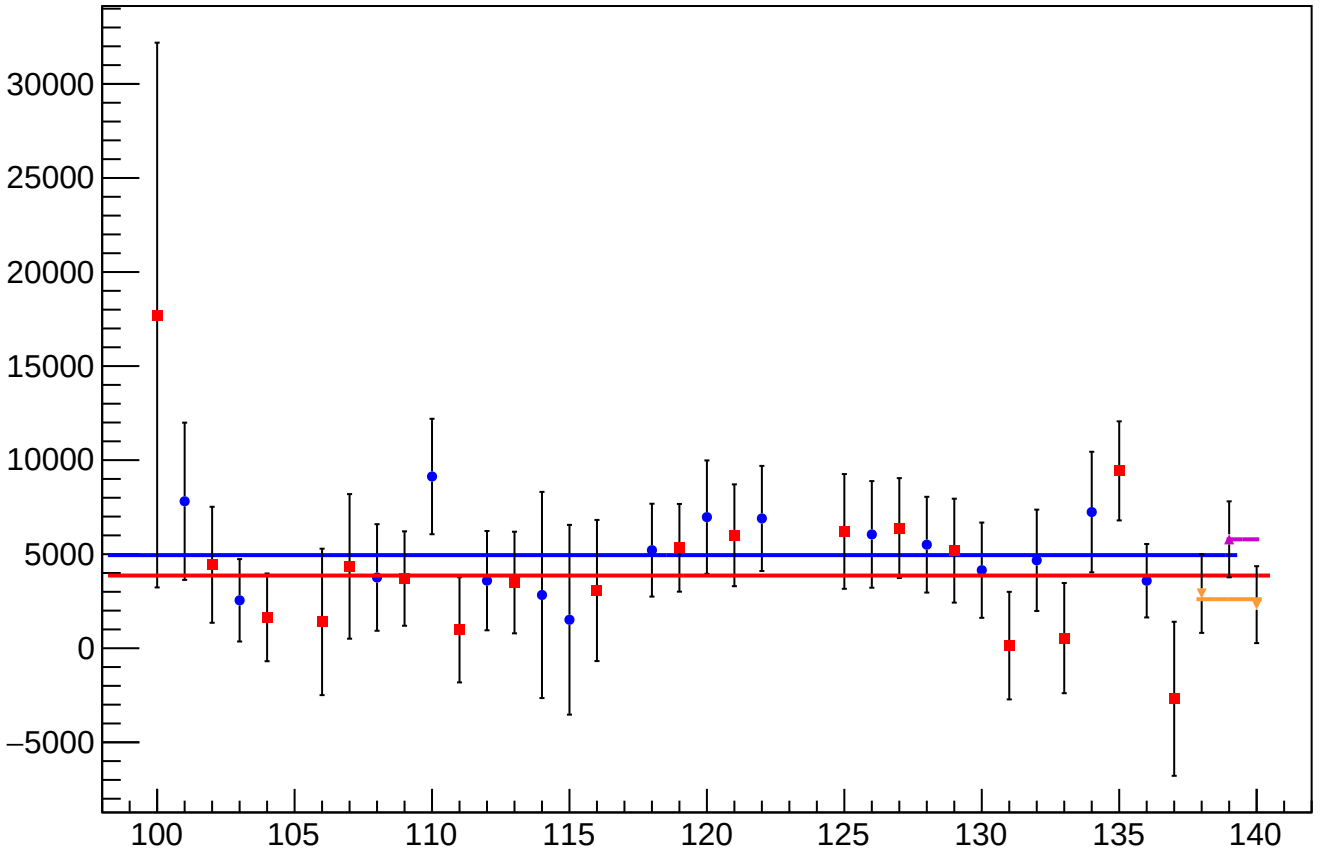
Left: 6406.257+/-2.905 χ^2/NDF: 21393.6/2

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4608.481+/-1.211 χ^2/NDF:1570114.4/16

Out: 4490.298+/-1.136 χ^2/NDF:1817811.6/19

All: 4545.616+/-0.829 χ^2/NDF: 3392988.6/36



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2606.309+/-1462.298 χ^2/NDF:0.0/1

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 5789.984+/-2019.307 χ^2/NDF:0.0/0

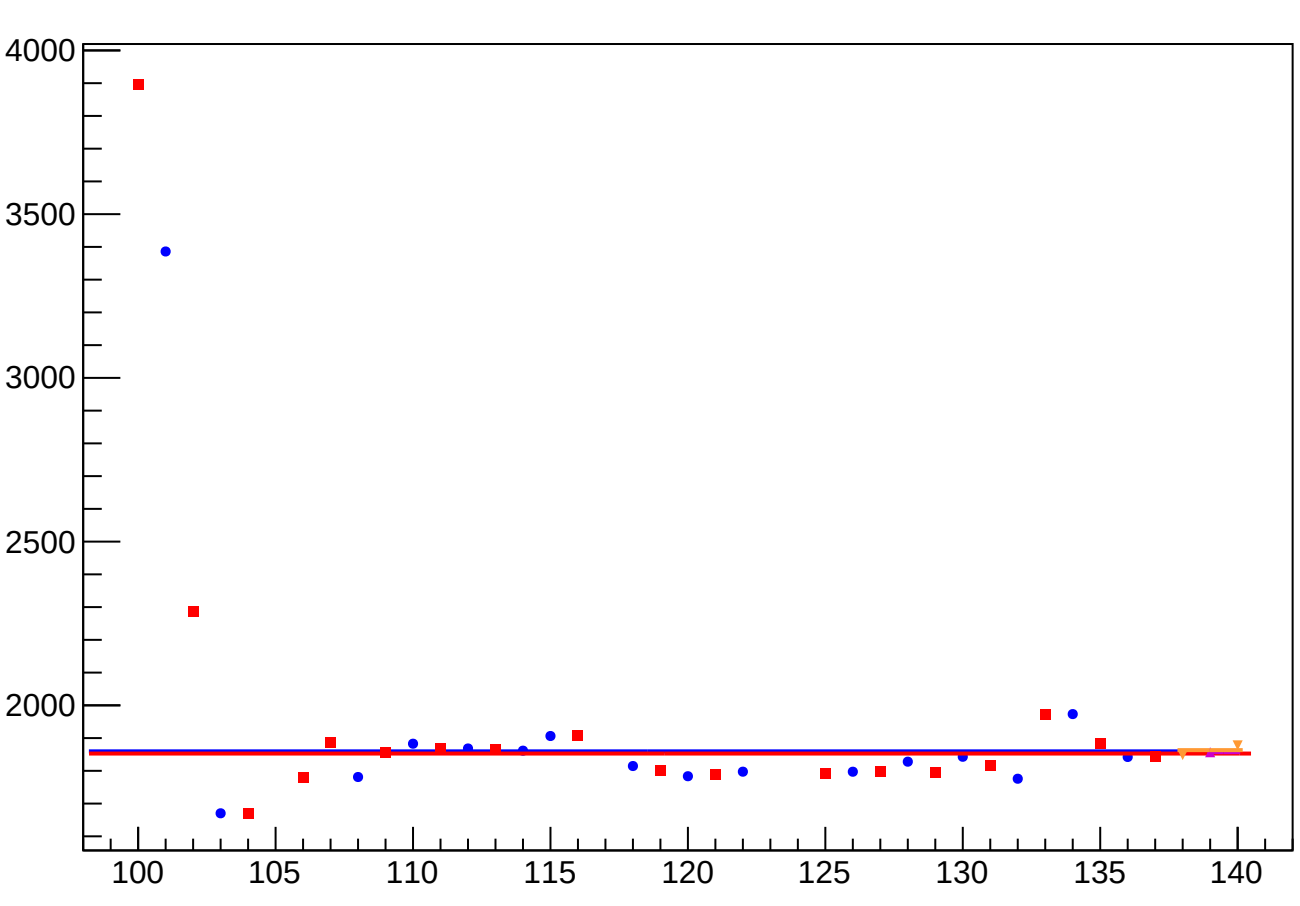
Left: 3701.514+/-1184.365 χ^2/NDF: 1.7/2

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5039.723+/-660.491 χ^2/NDF:7.0/16

Out: 3632.583+/-628.285 χ^2/NDF:16.8/19

All: 4301.011+/-455.224 χ^2/NDF: 26.2/36



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1863.226+/-1.034 χ^2/NDF:204.4/1

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1856.886+/-1.428 χ^2/NDF:0.0/0

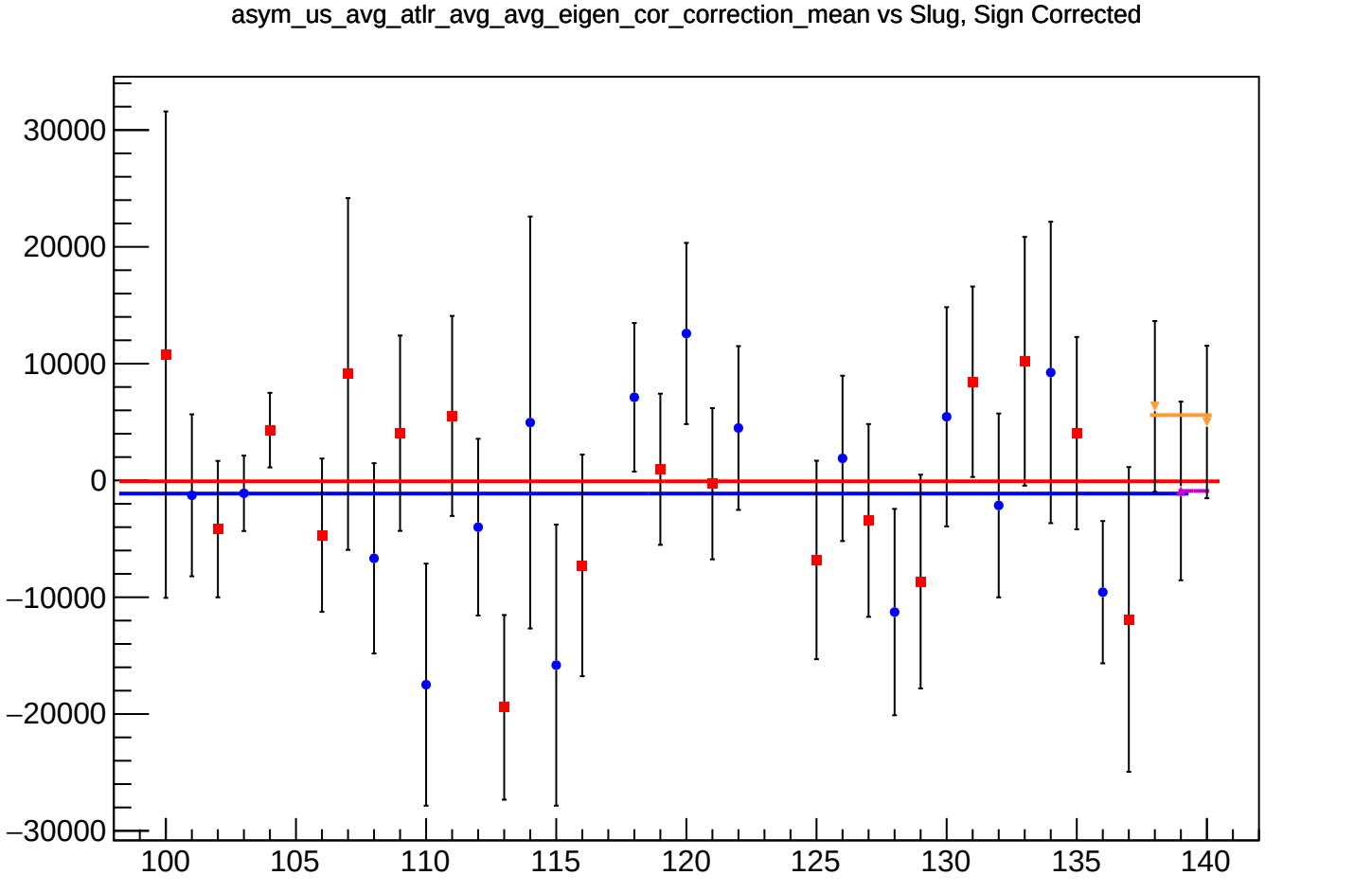
Left: 1861.045+/-0.837 χ^2/NDF: 217.3/2

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1859.229+/-0.467 χ^2/NDF:292339.5/16

Out: 1854.692+/-0.443 χ^2/NDF:102038.4/19

All: 1856.842+/-0.322 χ^2/NDF: 394427.5/36



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 5593.542+/-4869.891 χ^2/NDF:0.0/1

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -899.781+/-7646.945 χ^2/NDF:0.0/0

Left: 3719.937+/-4107.651 χ^2/NDF: 0.5/2

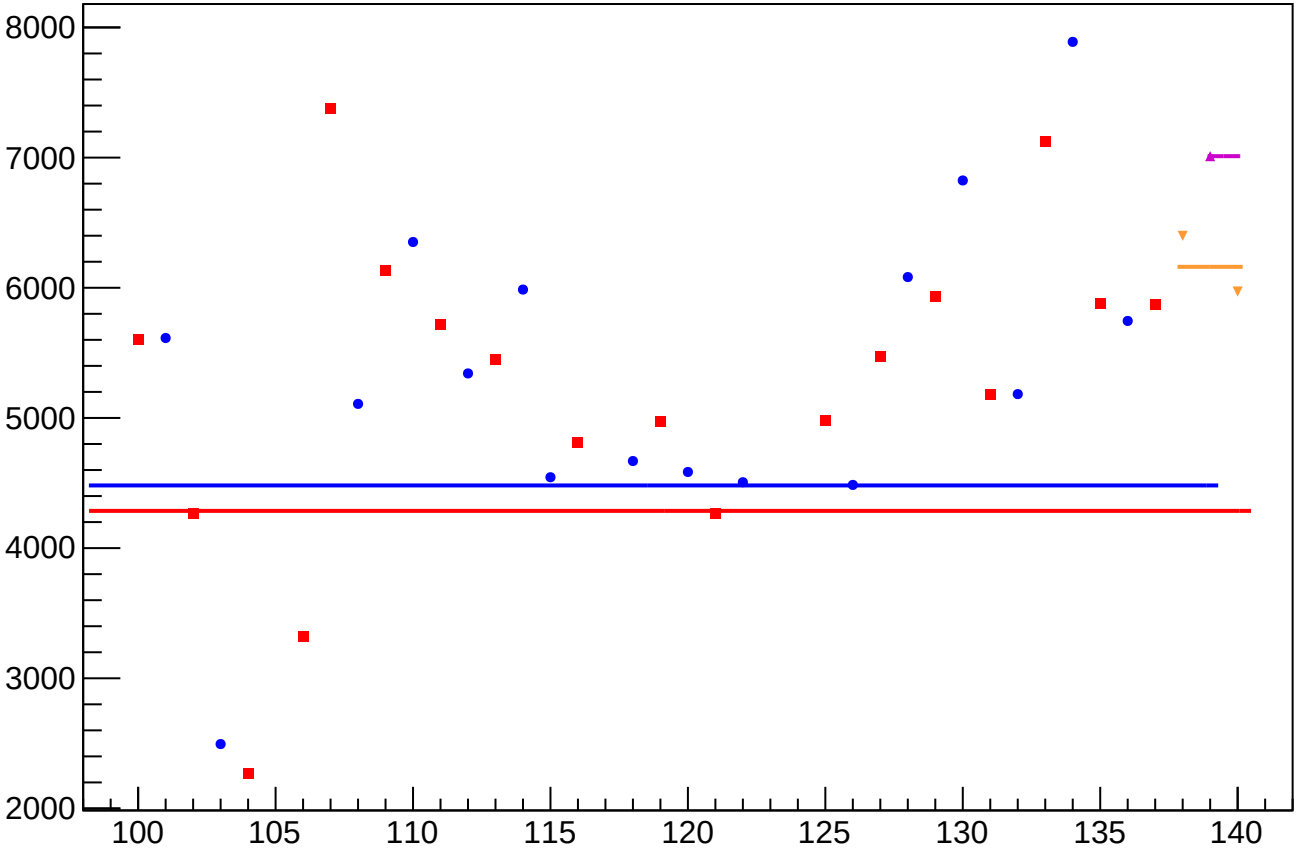
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -1114.234+/-1713.192 χ^2/NDF:14.7/16

Out: 539.397+/-1607.073 χ^2/NDF:16.8/19

All: -234.621+/-1172.094 χ^2/NDF: 32.0/36

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: 6160.973+/-3.444 χ^2/NDF:3809.6/1

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 7011.049+/-5.407 χ^2/NDF:0.0/0

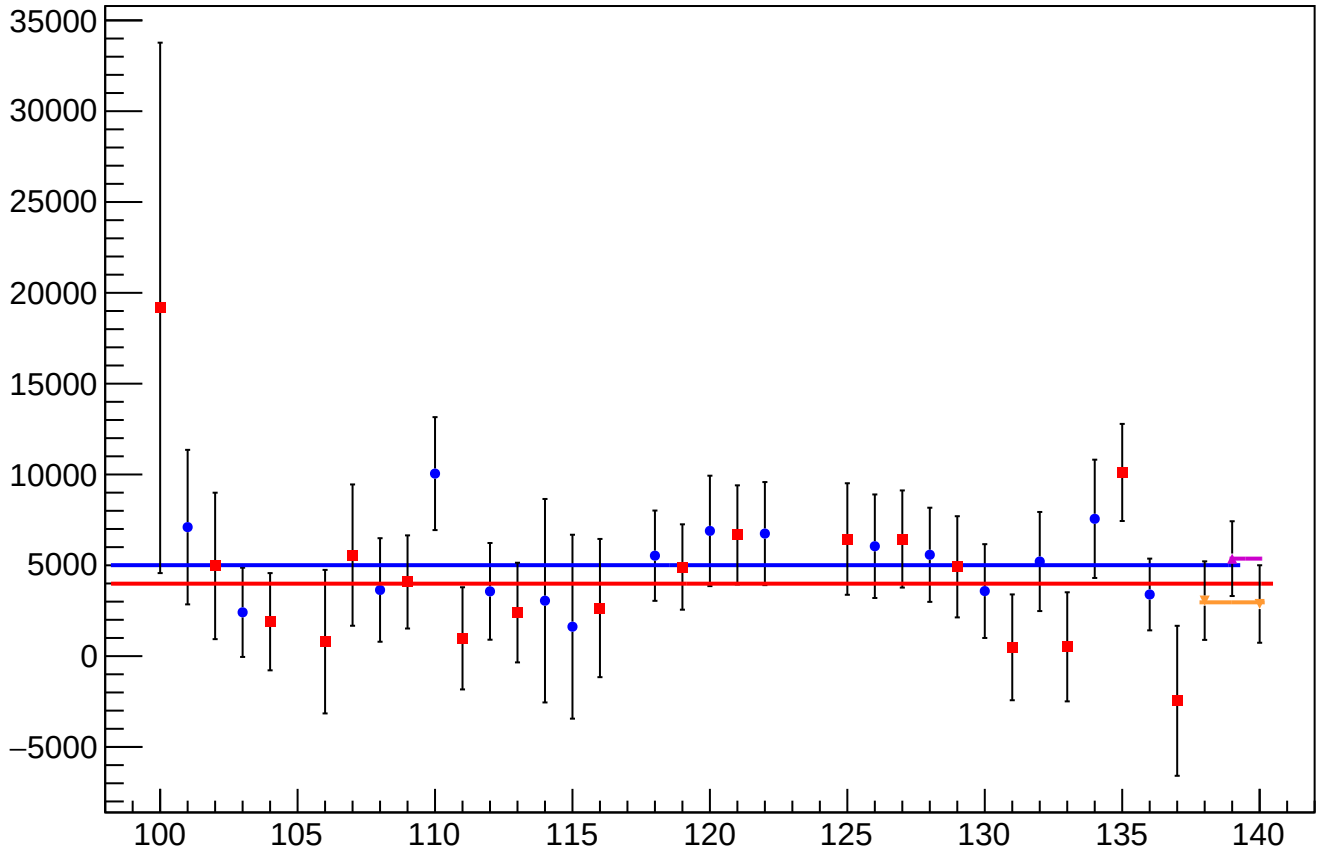
Left: 6406.257+/-2.905 χ^2/NDF: 21393.6/2

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4608.481+/-1.211 χ^2/NDF:1570114.4/16

Out: 4490.298+/-1.136 χ^2/NDF:1817811.6/19

All: 4545.616+/-0.829 χ^2/NDF: 3392988.6/36



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2961.664+/-1518.675 χ^2/NDF:0.0/1

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 5367.572+/-2058.311 χ^2/NDF:0.0/0

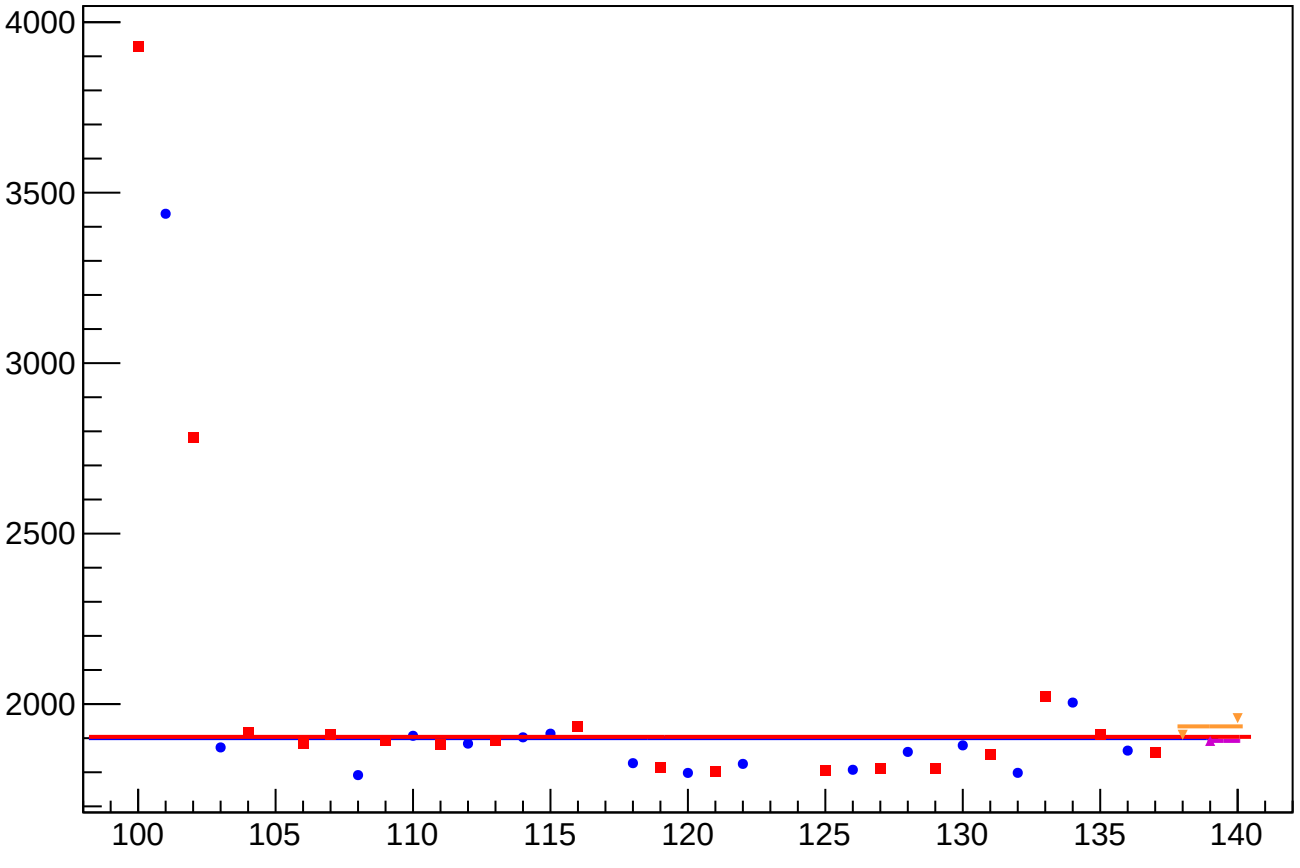
Left: 3809.731+/-1222.044 χ^2/NDF: 0.9/2

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 5046.015+/-674.619 χ^2/NDF:7.7/16

Out: 3801.039+/-649.867 χ^2/NDF:17.7/19

All: 4400.269+/-468.031 χ^2/NDF: 27.2/36



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1934.587+/-1.074 χ^2/NDF:515.1/1

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1891.987+/-1.455 χ^2/NDF:0.0/0

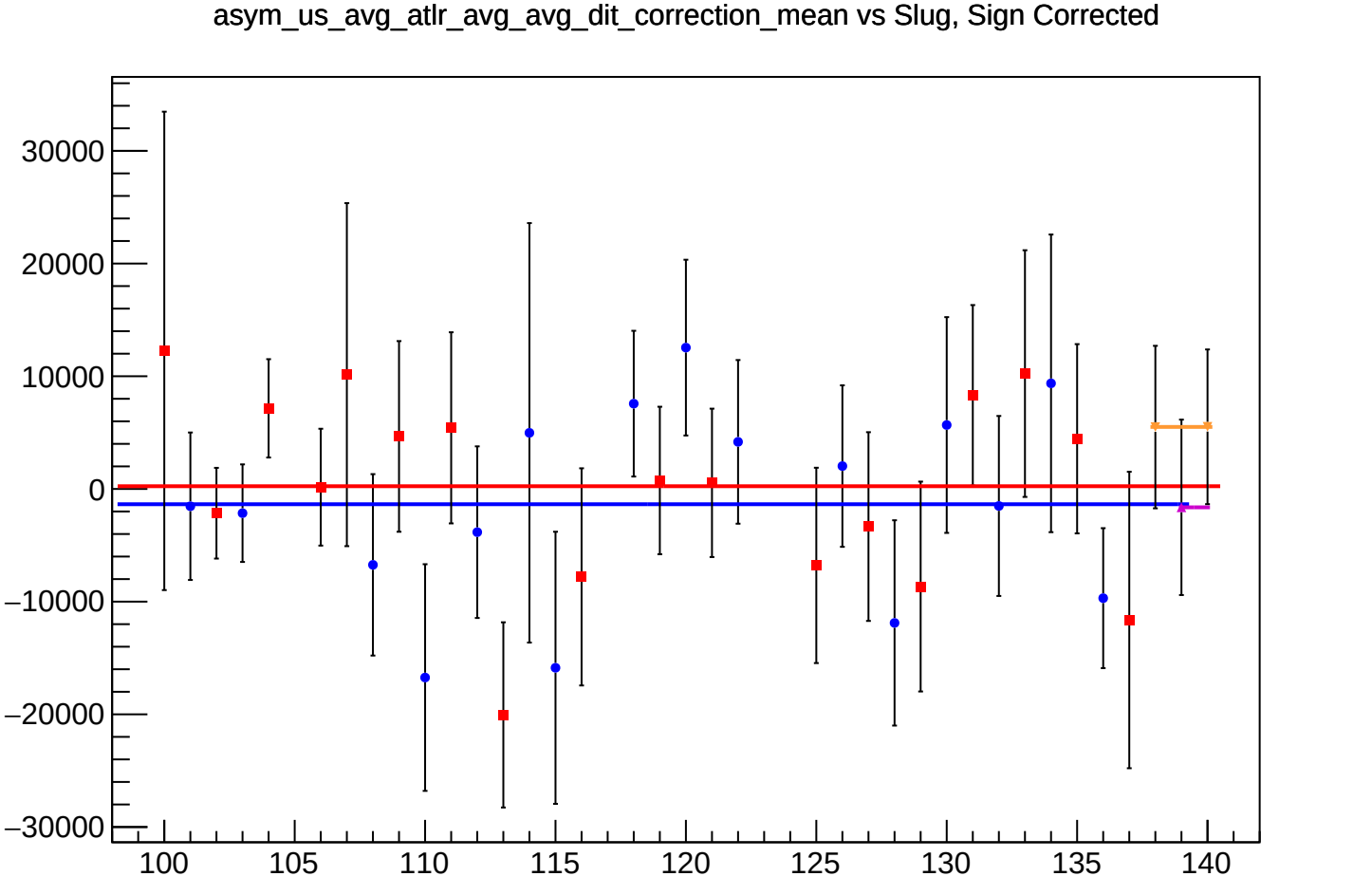
Left: 1919.571+/-0.864 χ^2/NDF: 1069.9/2

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1899.239+/-0.477 χ^2/NDF:278476.0/16

Out: 1909.450+/-0.459 χ^2/NDF:151301.5/19

All: 1904.539+/-0.331 χ^2/NDF: 430015.4/36



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 5502.336+/-4971.254 χ^2/NDF:0.0/1

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -1632.085+/-7782.337 χ^2/NDF:0.0/0

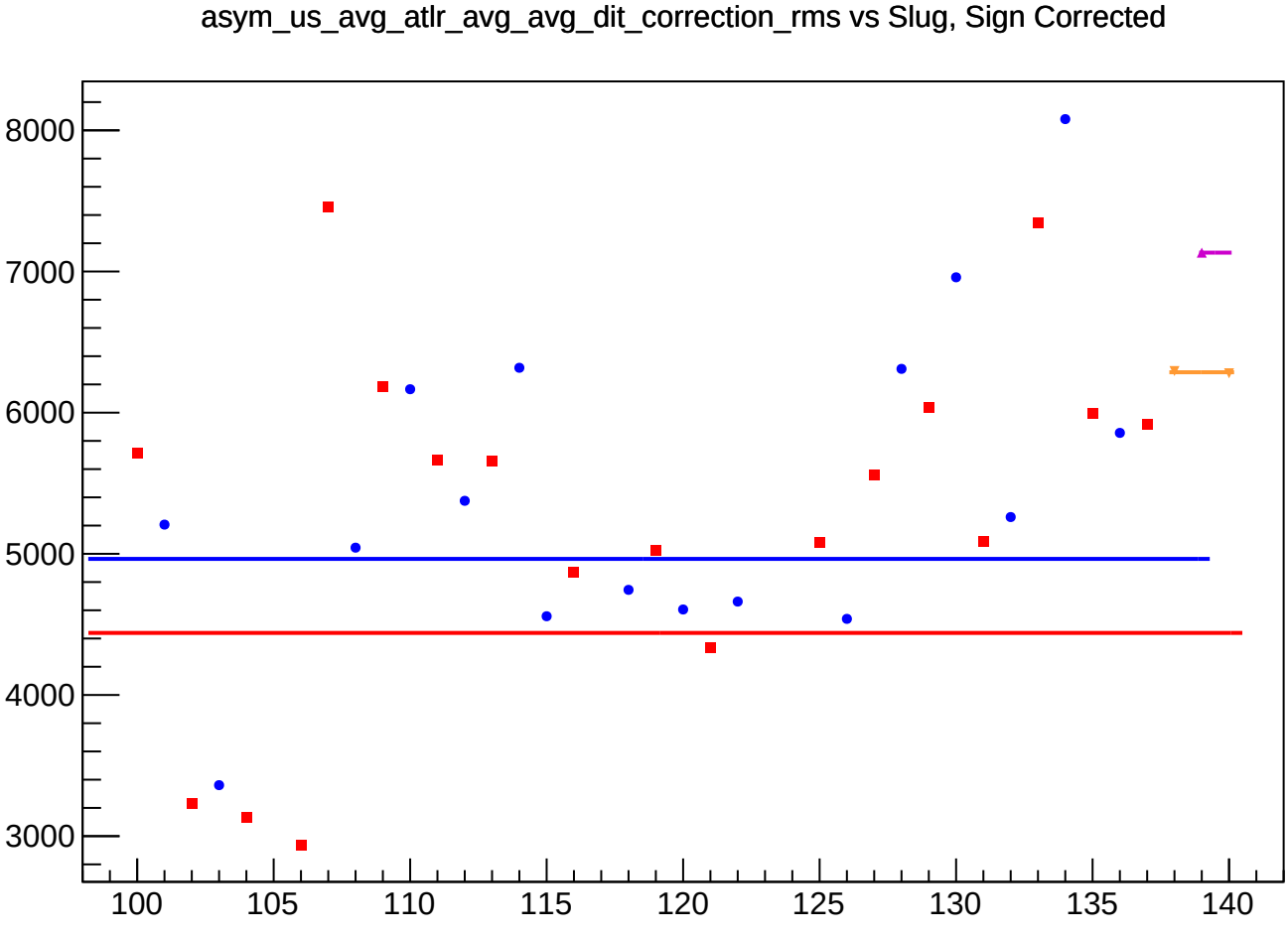
Left: 3434.801+/-4189.451 χ^2/NDF: 0.6/2

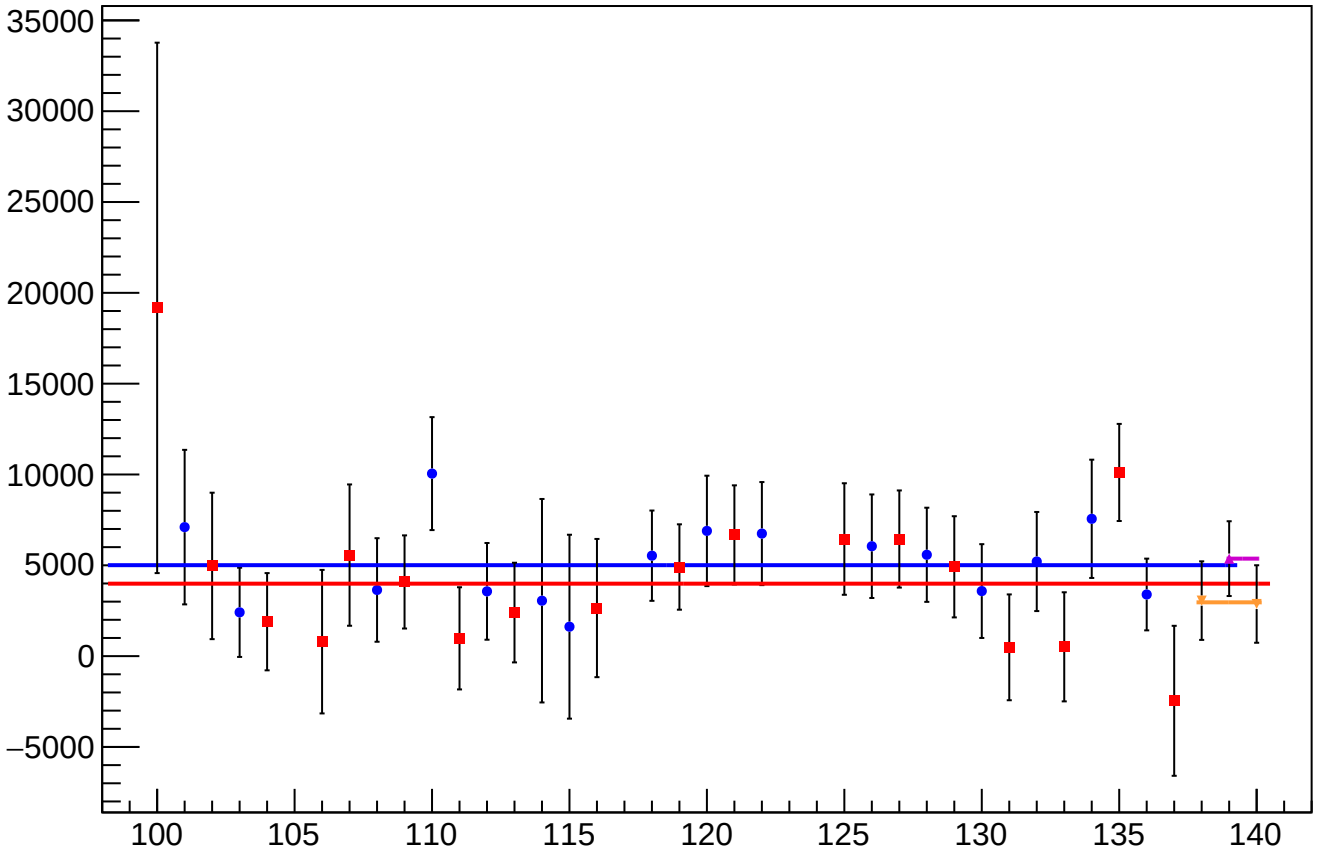
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -1372.049+/-1842.109 χ^2/NDF:14.7/16

Out: 799.359+/-1619.277 χ^2/NDF:16.7/19

All: -147.134+/-1216.196 χ^2/NDF: 32.2/36


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
100
105
110
115
120
125
130
135
140
Right In: 4963.998+/-1.341 χ²/NDF: 627377.0/15
Left Out: 6286.205+/-3.515 χ²/NDF:5.0/1
Right Out: 4439.675+/-1.211 χ²/NDF: 1158510.1/17
Left In: 7133.525+/-5.503 χ²/NDF:0.0/0
Left: 6531.756+/-2.962 χ²/NDF: 16842.9/2
Right: 4675.271+/-0.899 χ²/NDF: 1870112.9/33
In: 5085.554+/-1.303 χ²/NDF:774100.2/16
Out: 4635.589+/-1.145 χ²/NDF:1405176.1/19
All: 4831.724+/-0.860 χ²/NDF: 2246592.7/36



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2961.670+/-1518.675 χ^2/NDF:0.0/1

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 5367.549+/-2058.313 χ^2/NDF:0.0/0

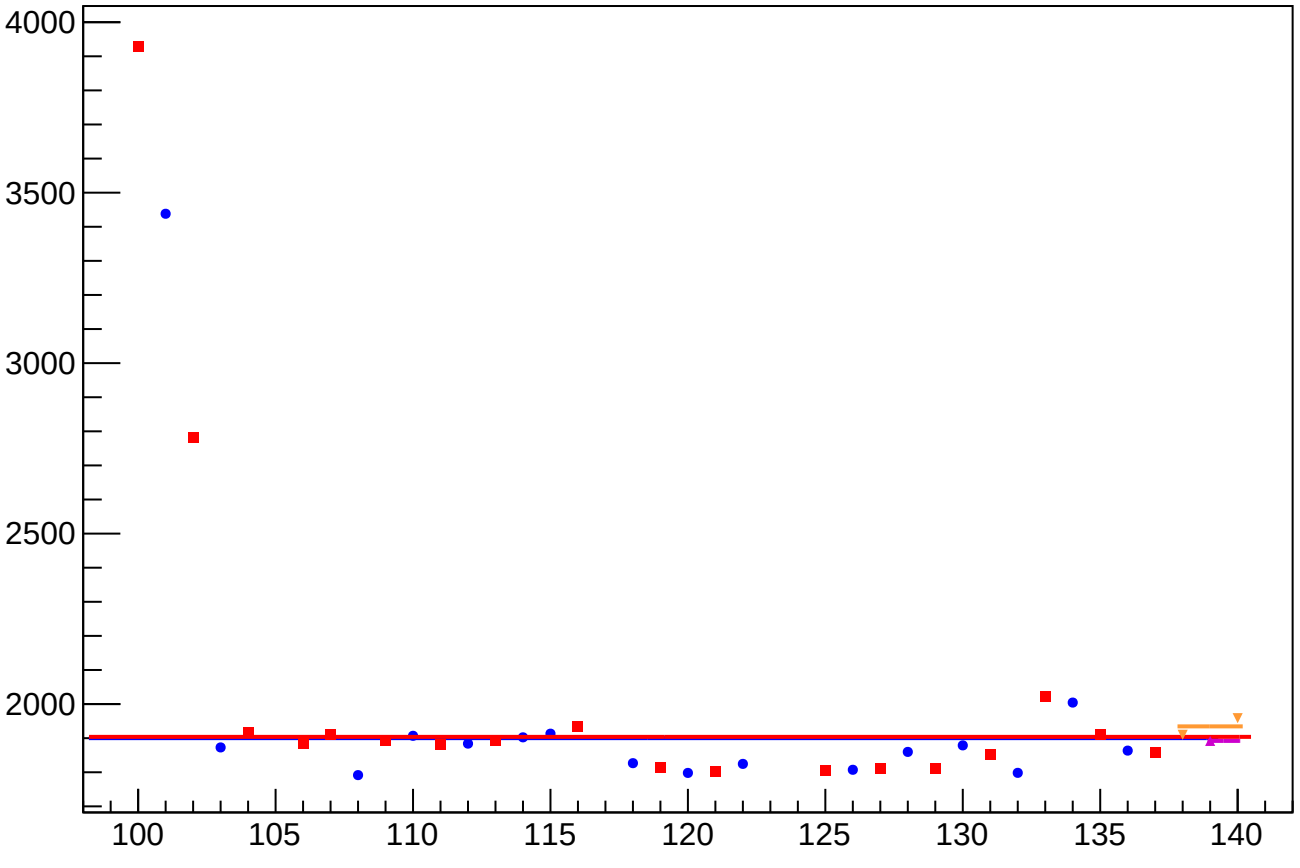
Left: 3809.727+/-1222.044 χ^2/NDF: 0.9/2

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 5046.011+/-674.619 χ^2/NDF:7.7/16

Out: 3801.039+/-649.867 χ^2/NDF:17.7/19

All: 4400.267+/-468.031 χ^2/NDF: 27.2/36



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1934.587+/-1.074 χ^2/NDF:515.2/1

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1891.988+/-1.455 χ^2/NDF:0.0/0

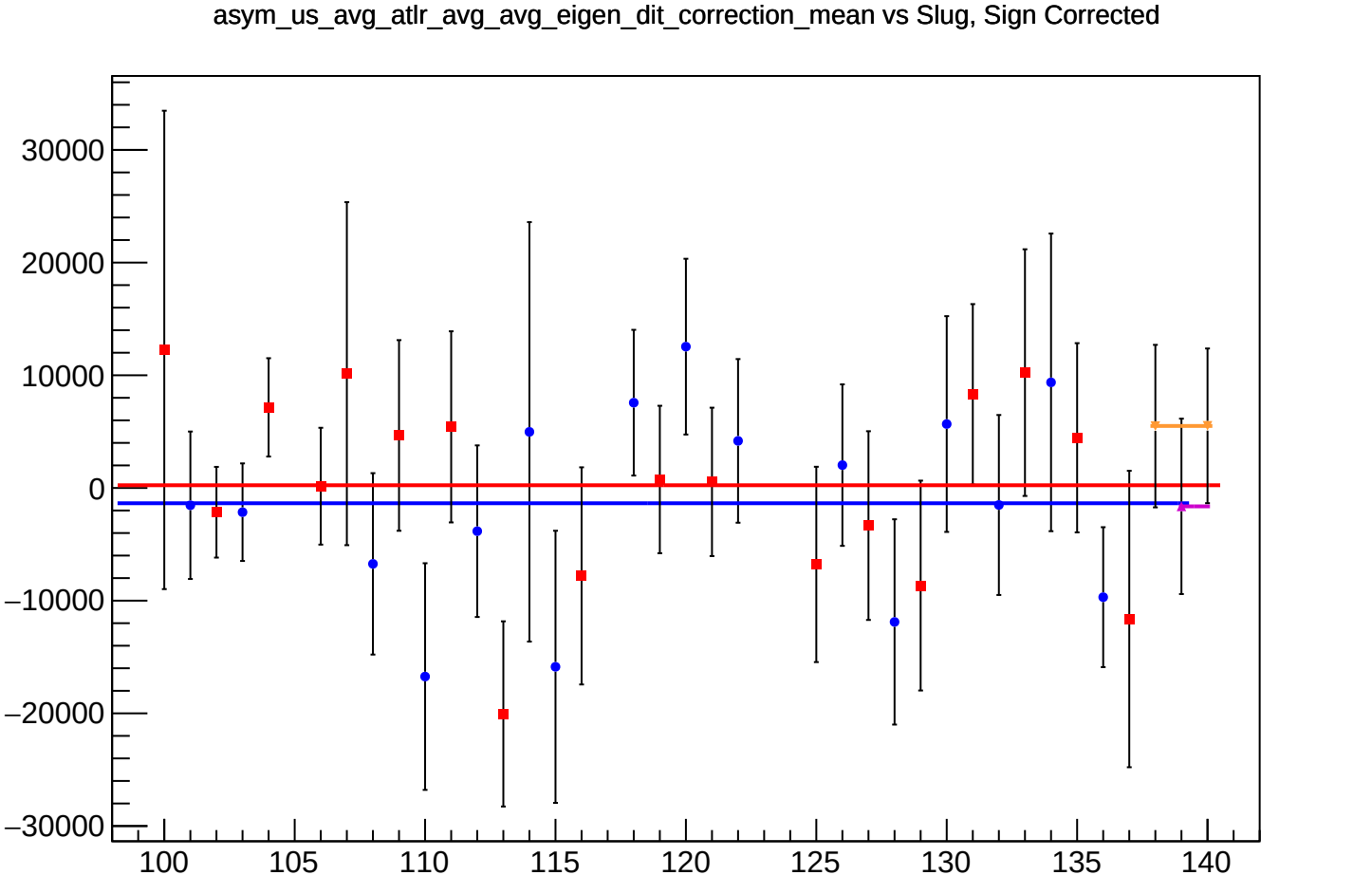
Left: 1919.571+/-0.864 χ^2/NDF: 1069.8/2

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1899.238+/-0.477 χ^2/NDF:278476.3/16

Out: 1909.449+/-0.459 χ^2/NDF:151300.8/19

All: 1904.539+/-0.331 χ^2/NDF: 430015.0/36



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 5502.342+/-4971.262 χ^2/NDF:0.0/1

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -1632.107+/-7782.357 χ^2/NDF:0.0/0

Left: 3434.802+/-4189.459 χ^2/NDF: 0.6/2

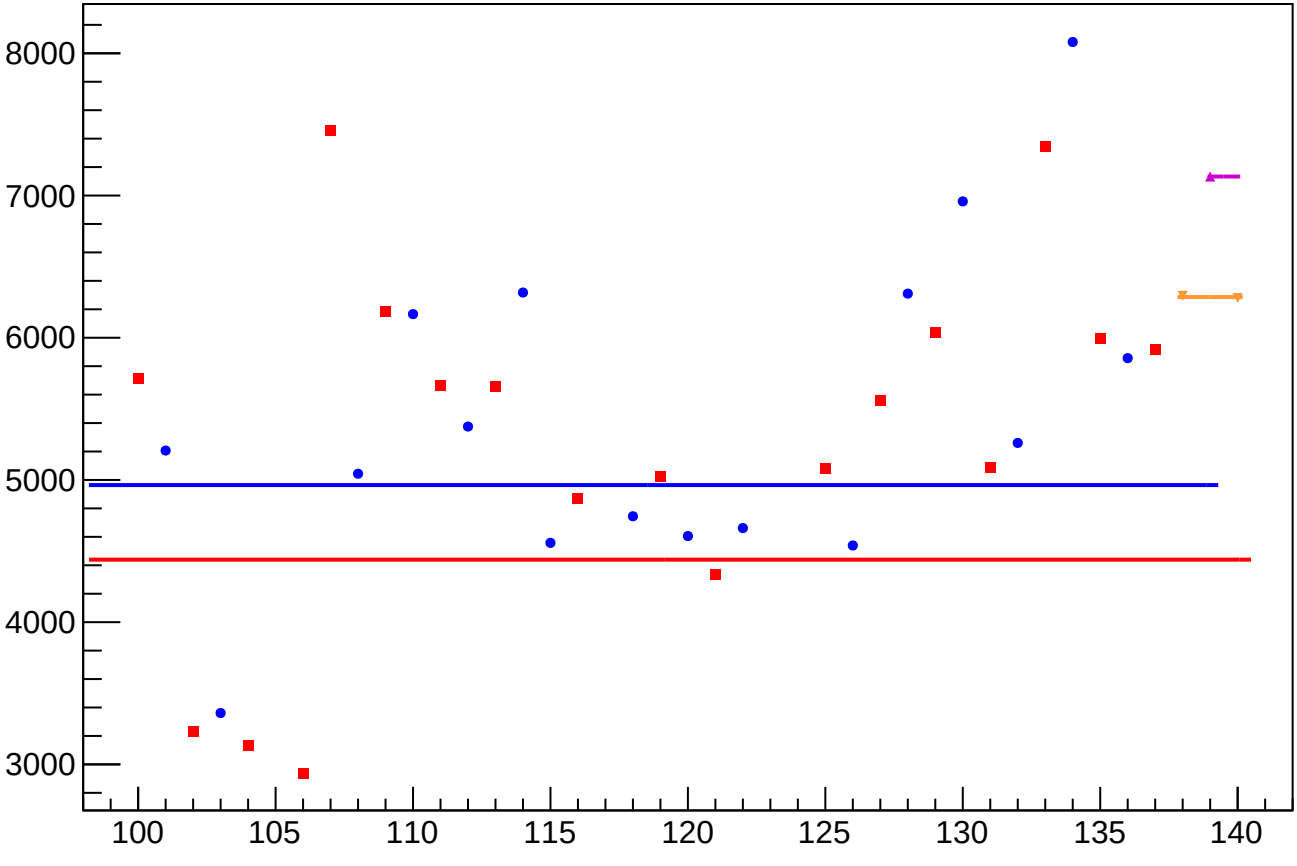
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -1372.040+/-1842.105 χ^2/NDF:14.7/16

Out: 799.356+/-1619.274 χ^2/NDF:16.7/19

All: -147.132+/-1216.193 χ^2/NDF: 32.2/36

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6286.215+/-3.515 χ^2/NDF:5.0/1

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 7133.544+/-5.503 χ^2/NDF:0.0/0

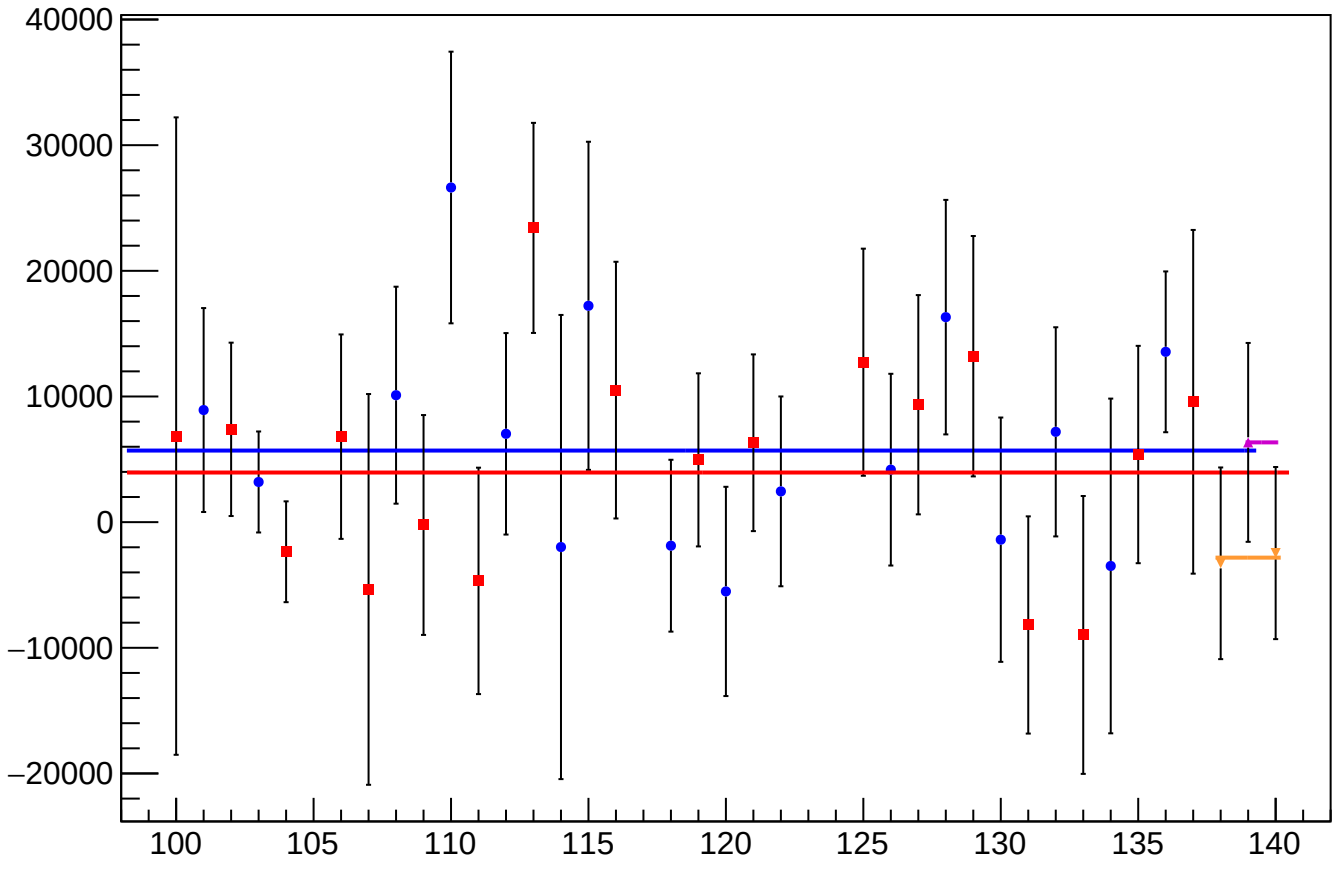
Left: 6531.768+/-2.962 χ^2/NDF: 16843.1/2

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5085.542+/-1.303 χ^2/NDF:774106.3/16

Out: 4635.579+/-1.145 χ^2/NDF:1405180.9/19

All: 4831.713+/-0.860 χ^2/NDF: 2246603.3/36



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -2824.009+/-5095.748 χ^2/NDF:0.0/1

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 6347.743+/-7913.388 χ^2/NDF:0.0/0

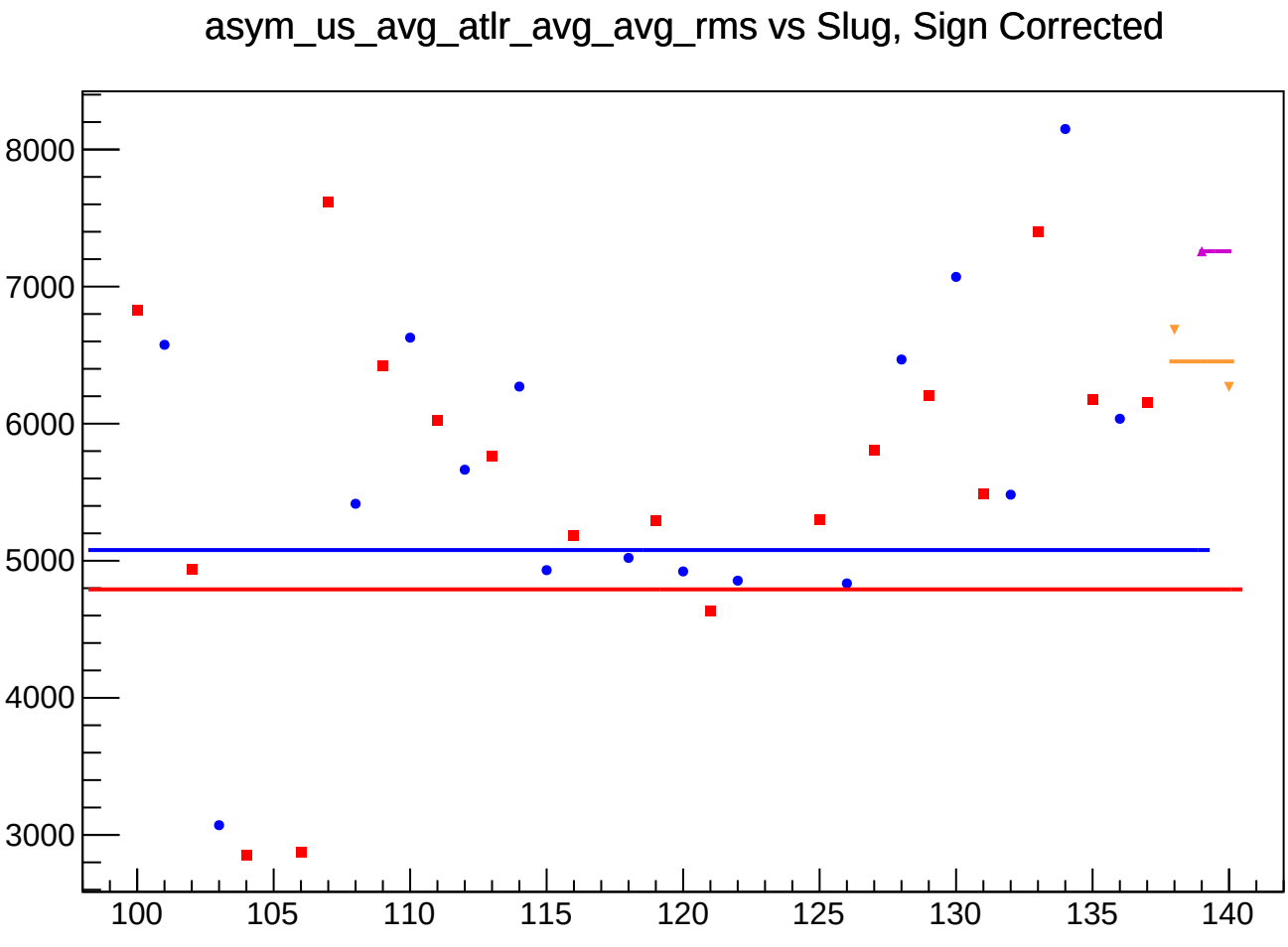
Left: -135.624+/-4284.322 χ^2/NDF: 1.0/2

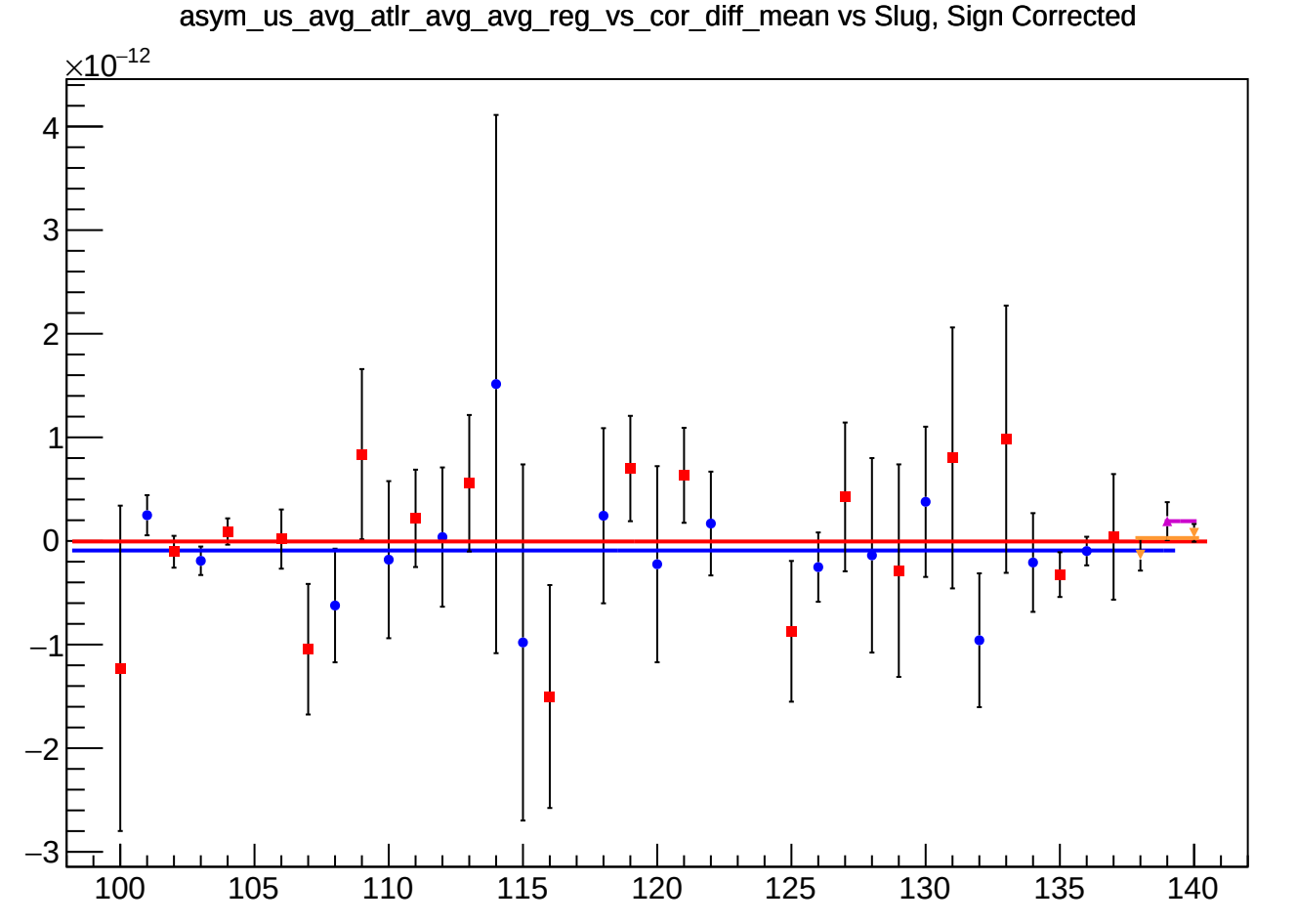
Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 5734.790+/-1901.794 χ^2/NDF:12.6/16

Out: 3106.892+/-1797.173 χ^2/NDF:17.7/19

All: 4346.574+/-1306.214 χ^2/NDF: 31.3/36


asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
100
105
110
115
120
125
130
135
140
Right In: 5078.157+/-1.385 χ²/NDF: 919209.4/15
Left Out: 6453.905+/-3.603 χ²/NDF:3300.5/1
Right Out: 4791.154+/-1.331 χ²/NDF: 1162455.3/17
Left In: 7257.570+/-5.596 χ²/NDF:0.0/0
Left: 6689.472+/-3.029 χ²/NDF: 17882.1/2
Right: 4928.883+/-0.960 χ²/NDF: 2103987.6/33
In: 5204.028+/-1.345 χ²/NDF:1062147.5/16
Out: 4990.716+/-1.248 χ²/NDF:1353143.8/19
All: 5089.449+/-0.915 χ²/NDF: 2428807.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

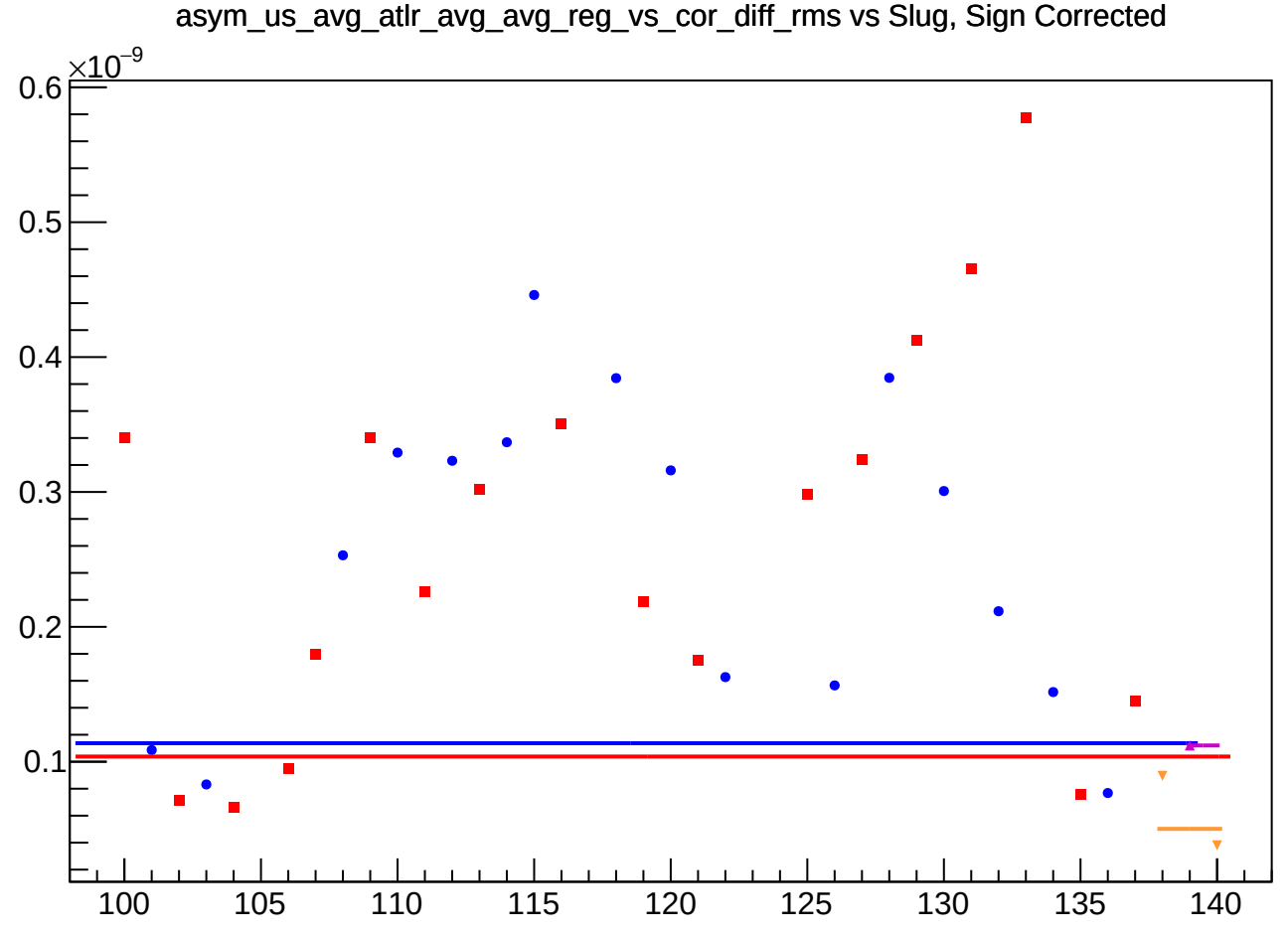
Left: 0.000+/-0.000 χ^2/NDF: 2.1/2

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:10.2/16

Out: 0.000+/-0.000 χ^2/NDF:18.9/19

All: -0.000+/-0.000 χ^2/NDF: 29.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:170739.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 365549.2/2

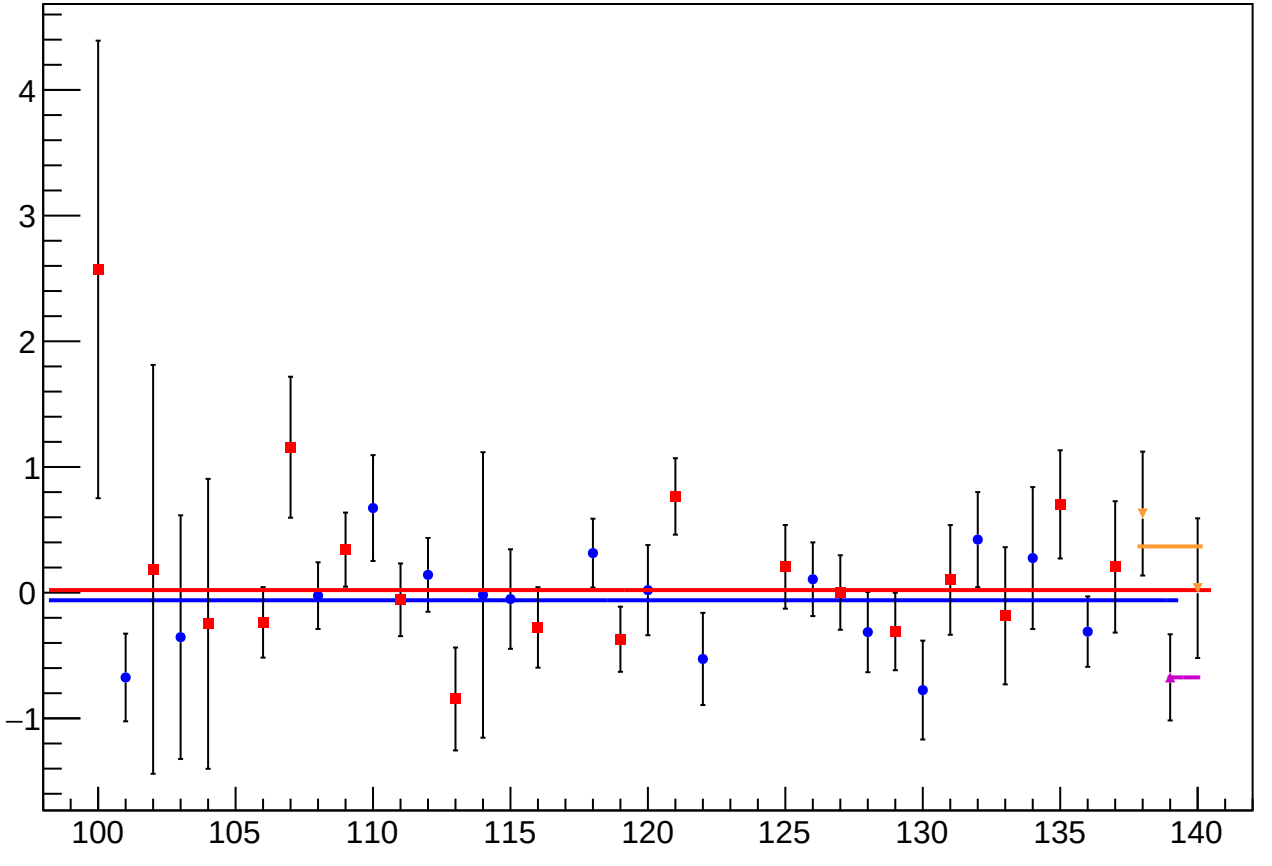
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:1524954.7/16

Out: 0.000+/-0.000 χ^2/NDF:2755128.8/19

All: 0.000+/-0.000 χ^2/NDF: 4625872.1/36

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.368+/-0.369 χ^2/NDF:0.6/1

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.674+/-0.343 χ^2/NDF:0.0/0

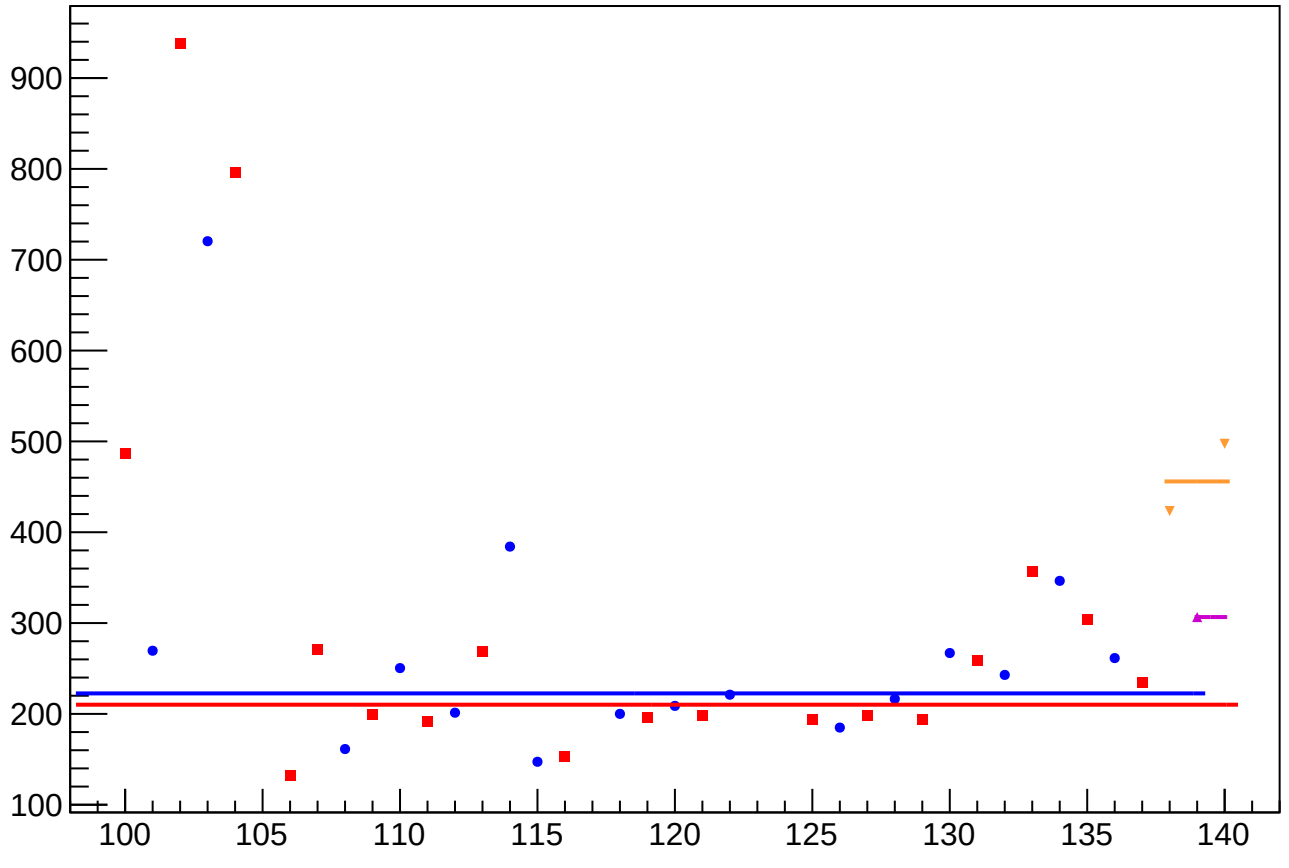
Left: -0.191+/-0.251 χ^2/NDF: 4.9/2

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.099+/-0.086 χ^2/NDF:20.3/16

Out: 0.039+/-0.085 χ^2/NDF:27.6/19

All: -0.029+/-0.060 χ^2/NDF: 49.2/36



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 455.909+/-0.261 χ^2/NDF:19864.7/1

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 306.624+/-0.242 χ^2/NDF:0.0/0

Left: 375.847+/-0.178 χ^2/NDF: 195661.4/2

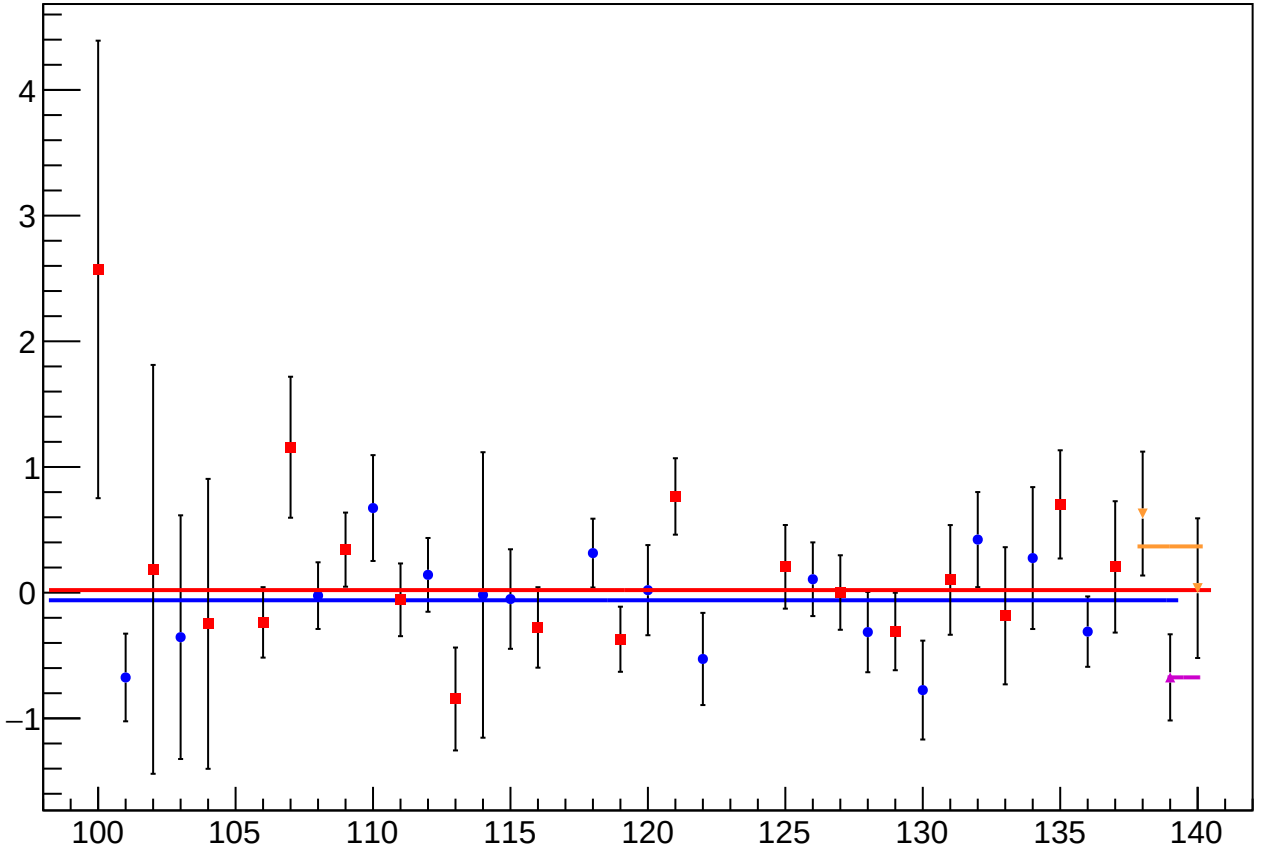
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 227.836+/-0.061 χ^2/NDF:1131435.5/16

Out: 223.204+/-0.060 χ^2/NDF:2409652.1/19

All: 225.500+/-0.043 χ^2/NDF: 3544025.4/36

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.368+/-0.369 χ^2/NDF:0.6/1

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.674+/-0.343 χ^2/NDF:0.0/0

Left: -0.191+/-0.251 χ^2/NDF: 4.9/2

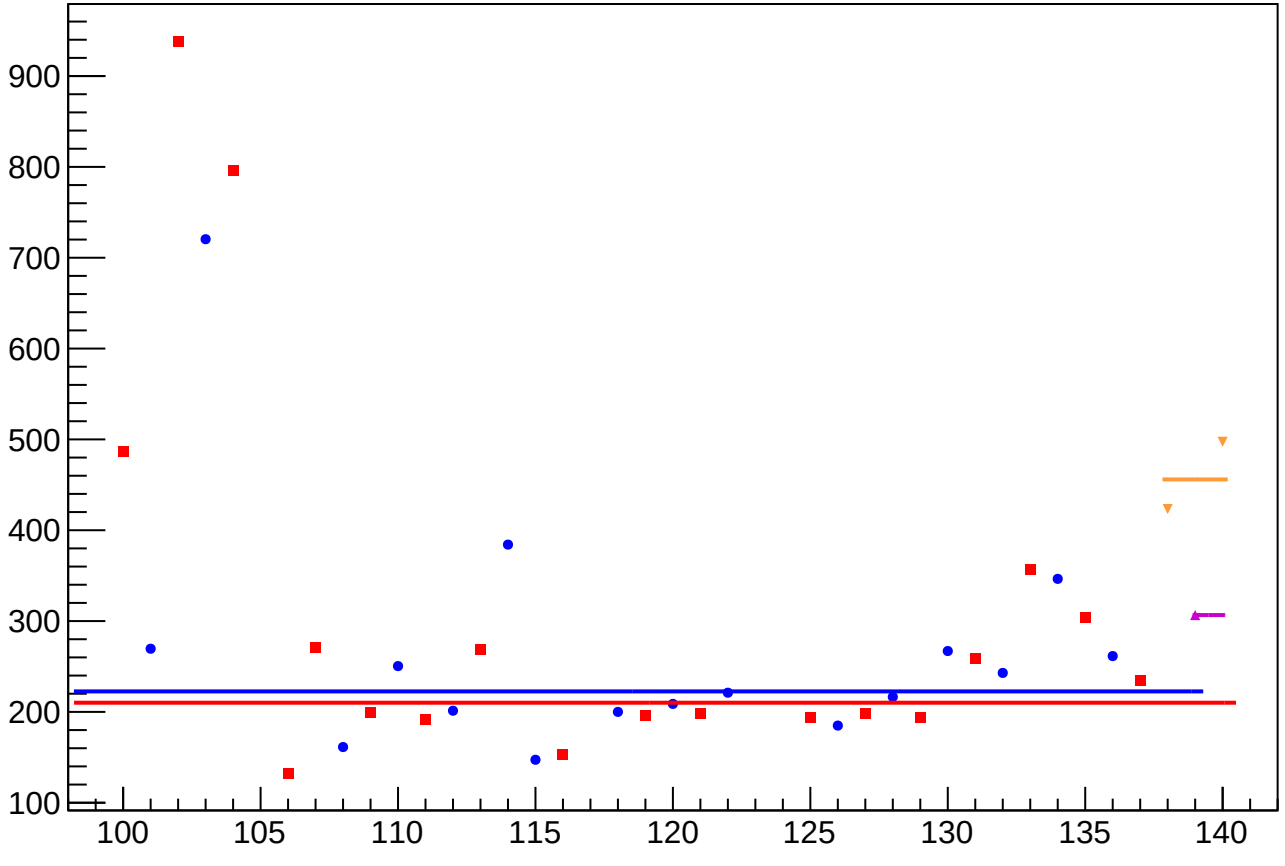
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.099+/-0.086 χ^2/NDF:20.3/16

Out: 0.039+/-0.085 χ^2/NDF:27.6/19

All: -0.029+/-0.060 χ^2/NDF: 49.2/36

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 455.909+/-0.261 χ^2/NDF:19864.7/1

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 306.624+/-0.242 χ^2/NDF:0.0/0

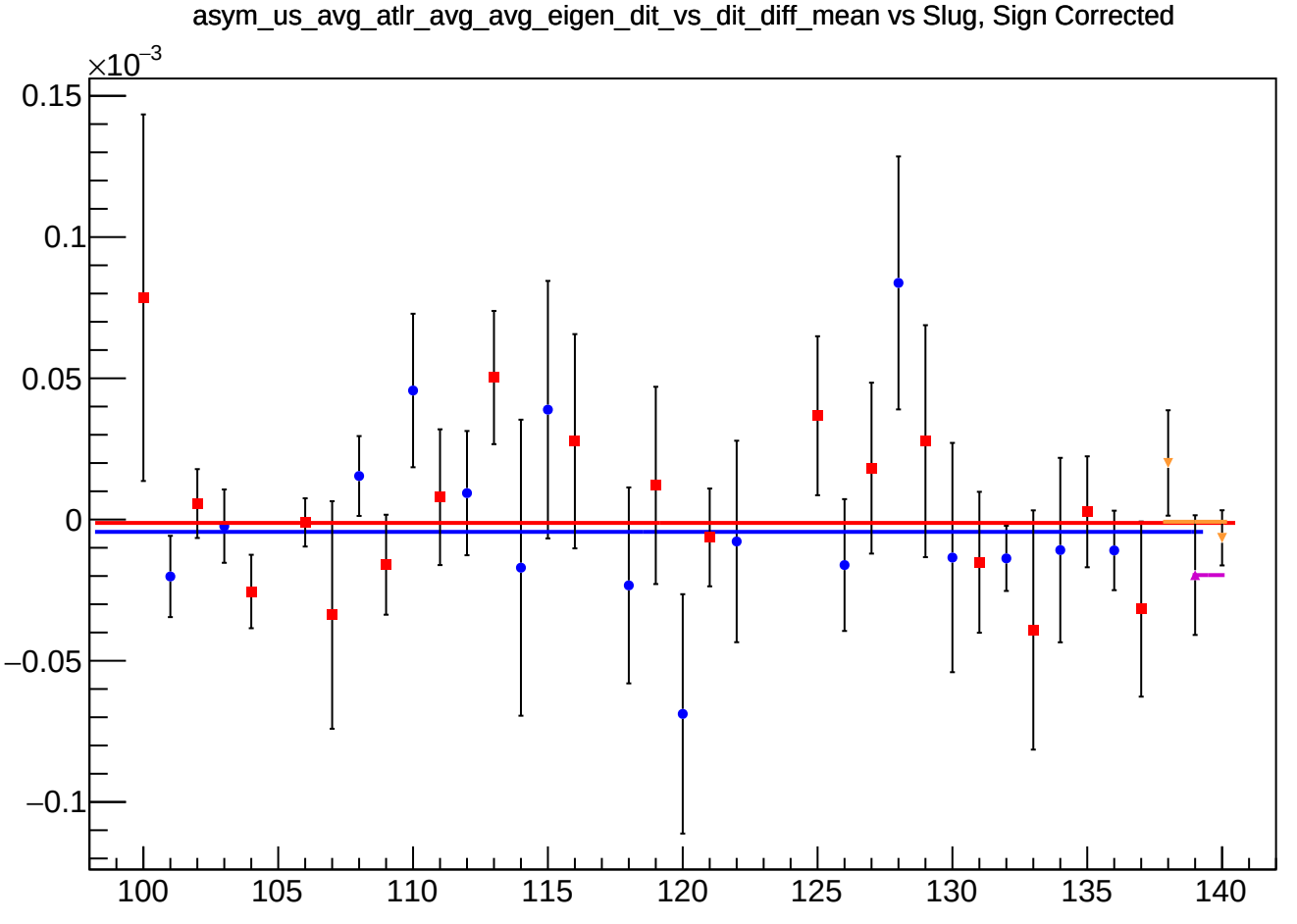
Left: 375.847+/-0.178 χ^2/NDF: 195661.4/2

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 227.836+/-0.061 χ^2/NDF:1131435.5/16

Out: 223.204+/-0.060 χ^2/NDF:2409652.1/19

All: 225.500+/-0.043 χ^2/NDF: 3544025.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

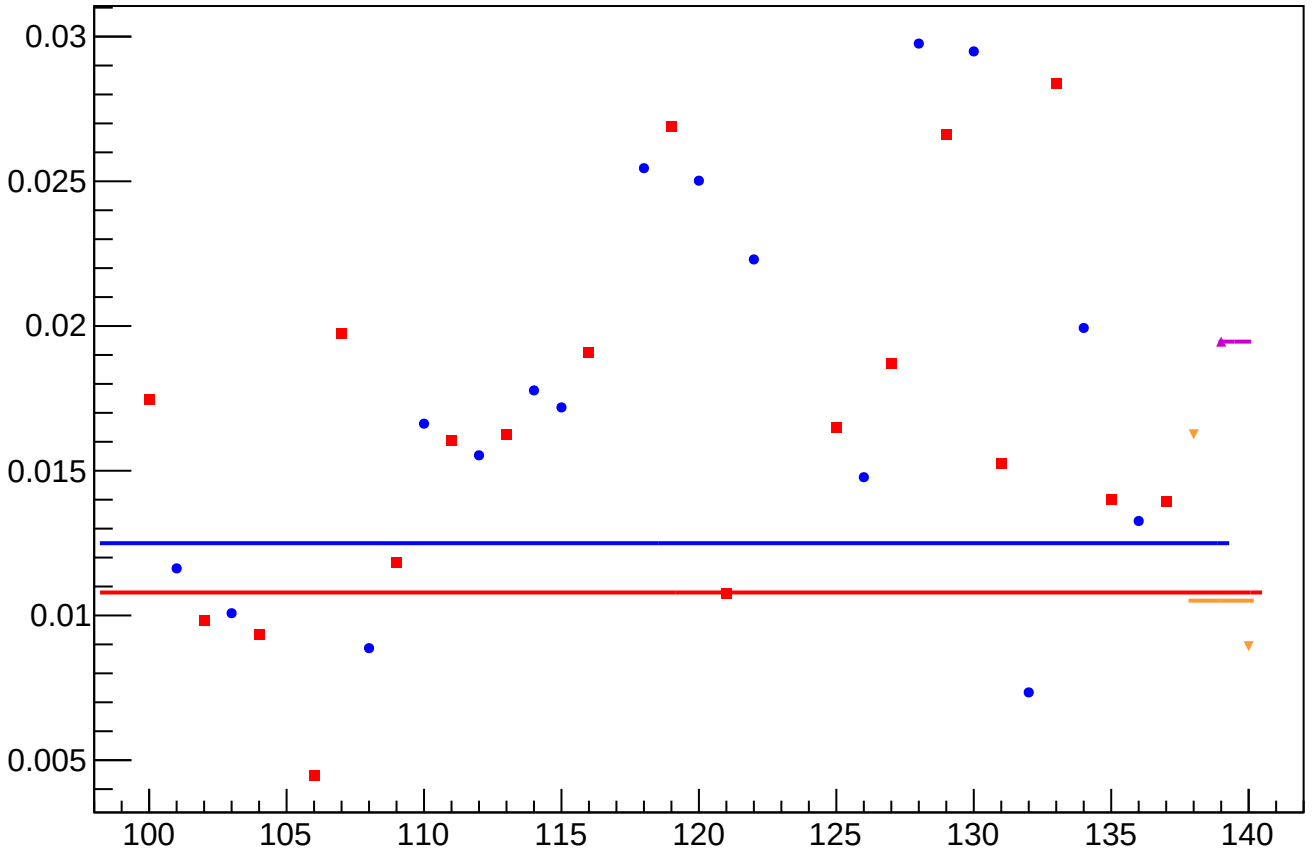
Left: -0.000+/-0.000 χ^2/NDF: 2.3/2

Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: -0.000+/-0.000 χ^2/NDF:16.1/16

Out: -0.000+/-0.000 χ^2/NDF:18.8/19

All: -0.000+/-0.000 χ^2/NDF: 35.4/36



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:241593.7/1

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.019+/-0.000 χ^2/NDF:0.0/0

Left: 0.012+/-0.000 χ^2/NDF: 547470.9/2

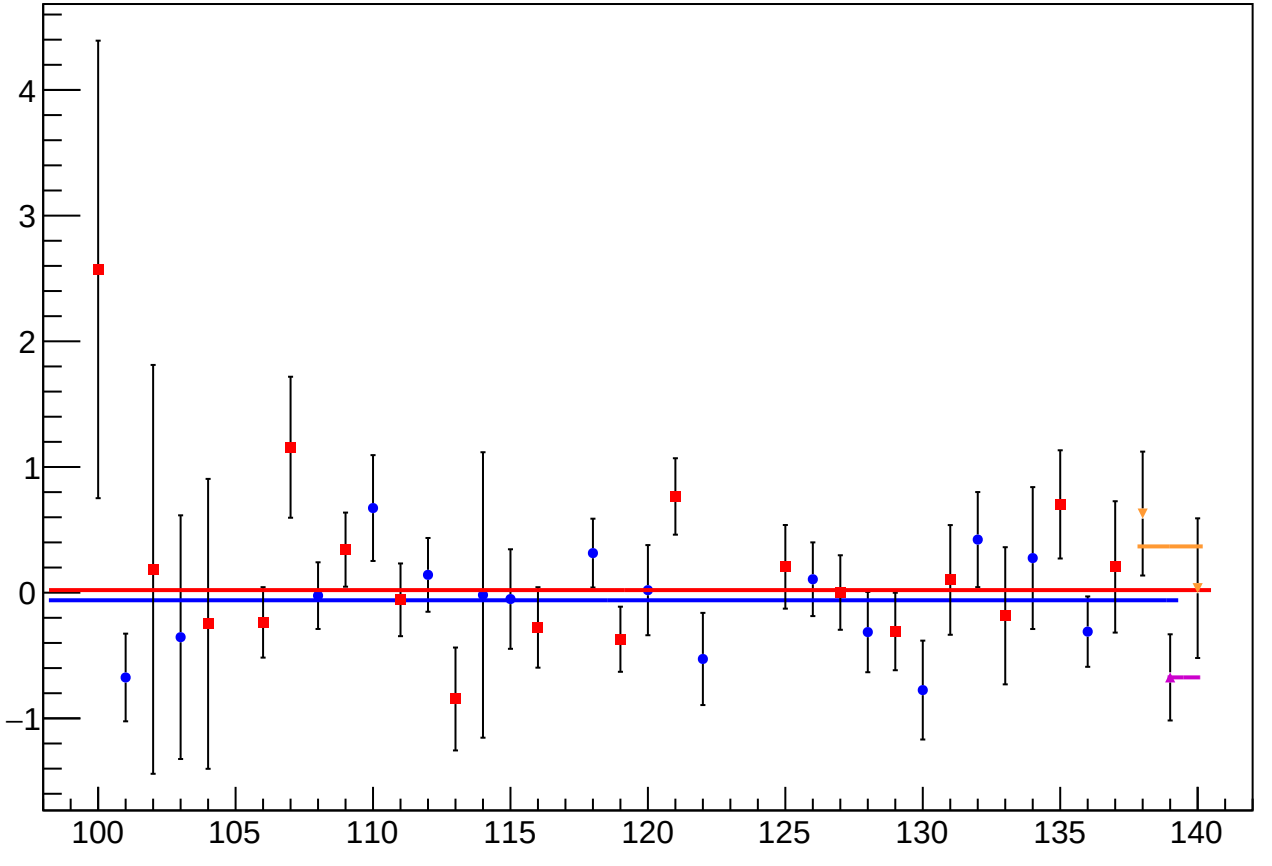
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.013+/-0.000 χ^2/NDF:2319306.5/16

Out: 0.011+/-0.000 χ^2/NDF:3231083.0/19

All: 0.012+/-0.000 χ^2/NDF: 5775379.5/36

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.368+/-0.369 χ^2/NDF:0.6/1

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.674+/-0.343 χ^2/NDF:0.0/0

Left: -0.191+/-0.251 χ^2/NDF: 4.9/2

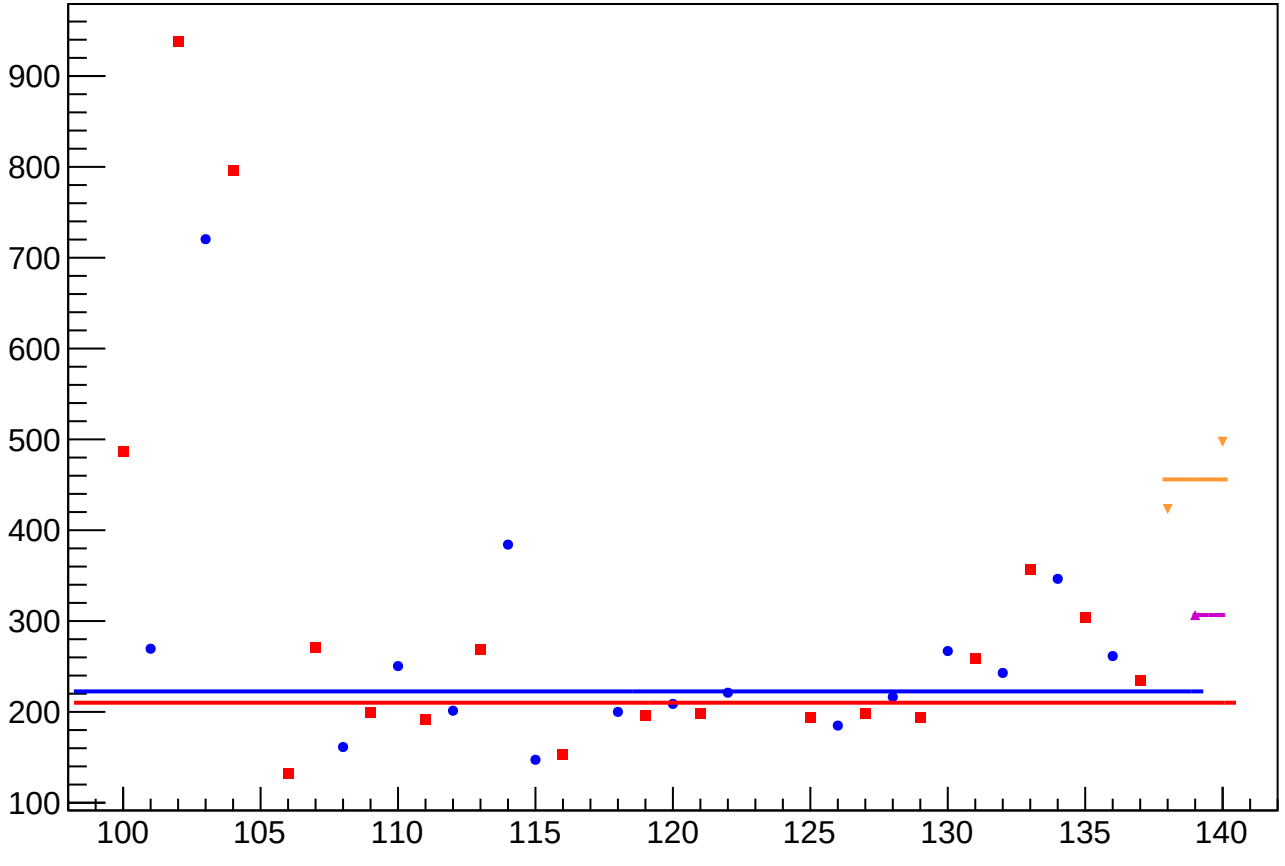
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.099+/-0.086 χ^2/NDF:20.3/16

Out: 0.039+/-0.085 χ^2/NDF:27.6/19

All: -0.029+/-0.060 χ^2/NDF: 49.2/36

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 455.912+/-0.261 χ^2/NDF:19863.8/1

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 306.632+/-0.242 χ^2/NDF:0.0/0

Left: 375.854+/-0.178 χ^2/NDF: 195645.5/2

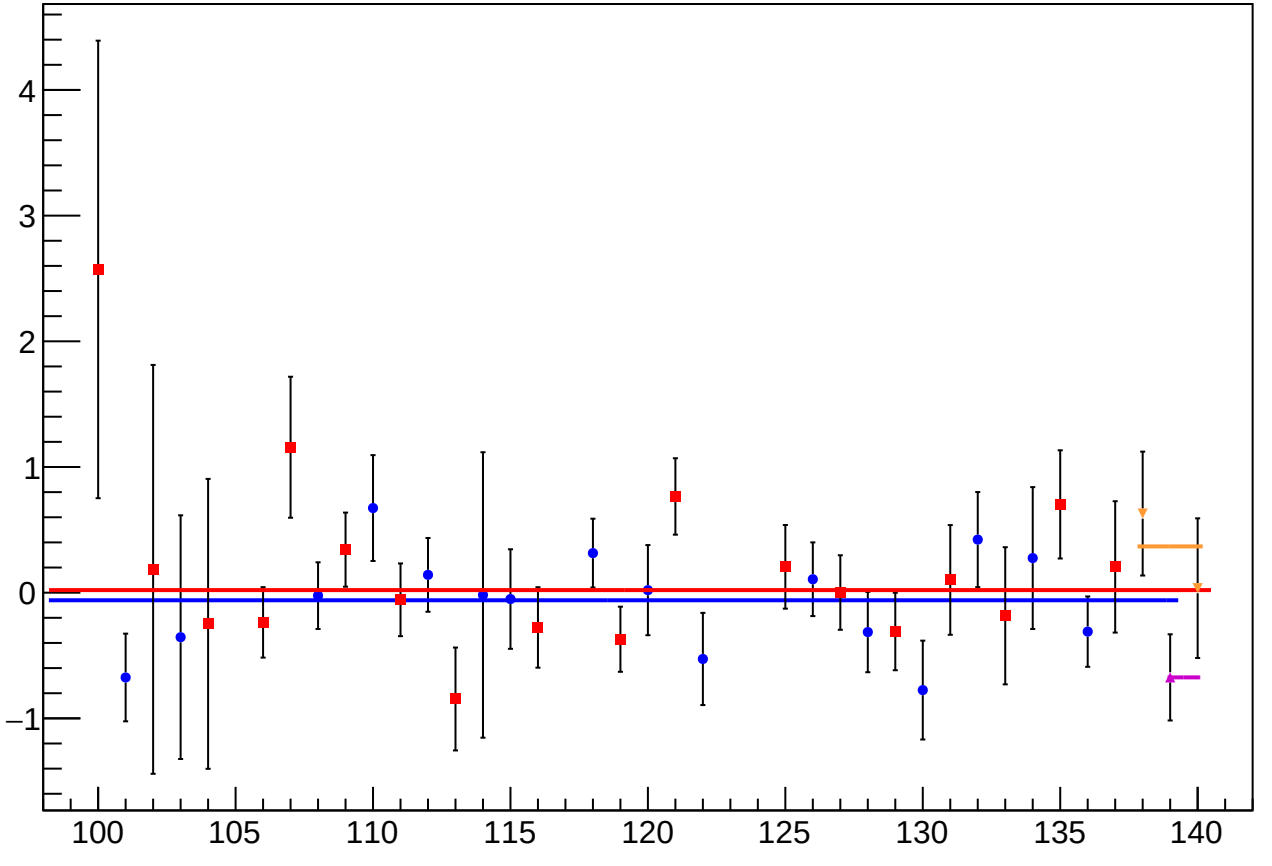
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 227.835+/-0.061 χ^2/NDF:1131440.3/16

Out: 223.202+/-0.060 χ^2/NDF:2409662.9/19

All: 225.498+/-0.043 χ^2/NDF: 3544042.6/36

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.368+/-0.369 χ^2/NDF:0.6/1

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.674+/-0.343 χ^2/NDF:0.0/0

Left: -0.191+/-0.251 χ^2/NDF: 4.9/2

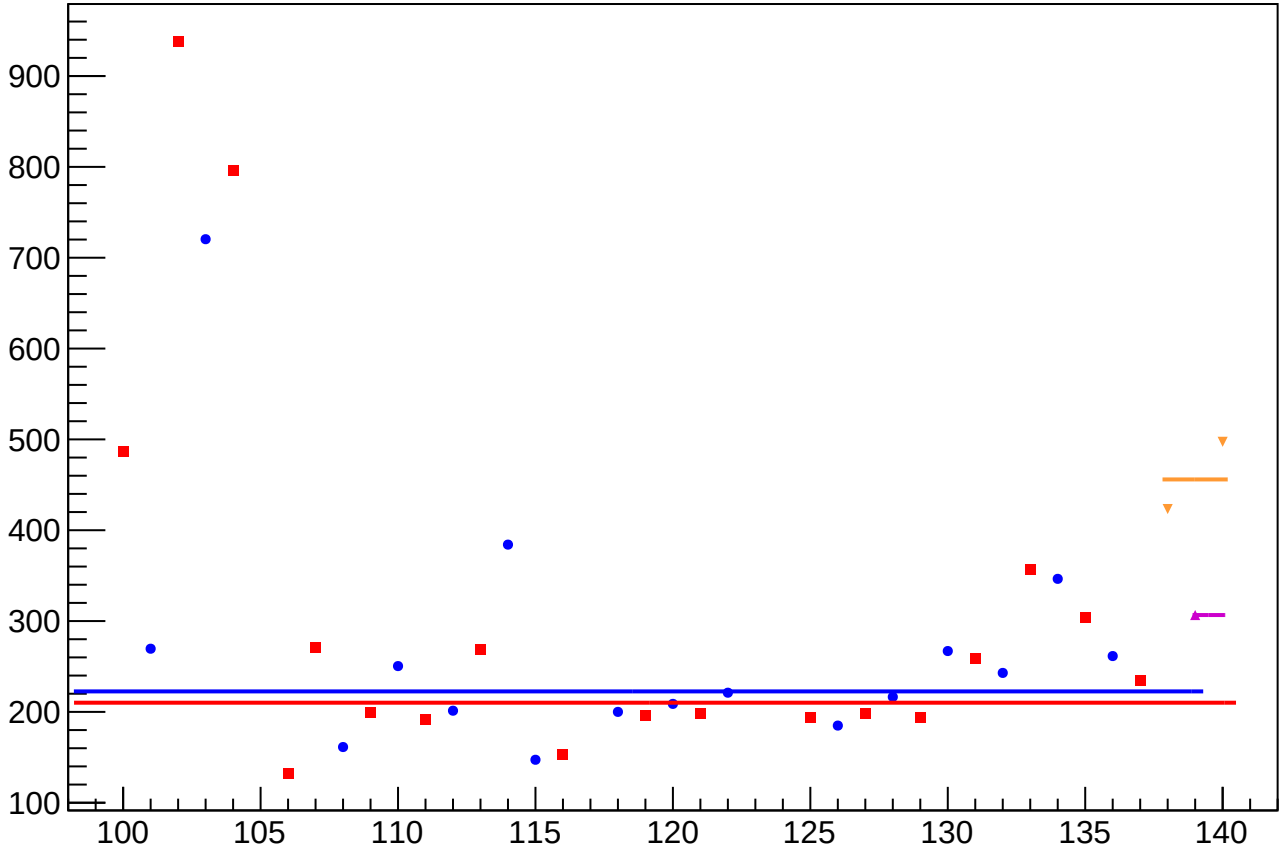
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.099+/-0.086 χ^2/NDF:20.3/16

Out: 0.039+/-0.085 χ^2/NDF:27.6/19

All: -0.029+/-0.060 χ^2/NDF: 49.2/36

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: 455.912+/-0.261 χ^2/NDF:19863.8/1

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 306.632+/-0.242 χ^2/NDF:0.0/0

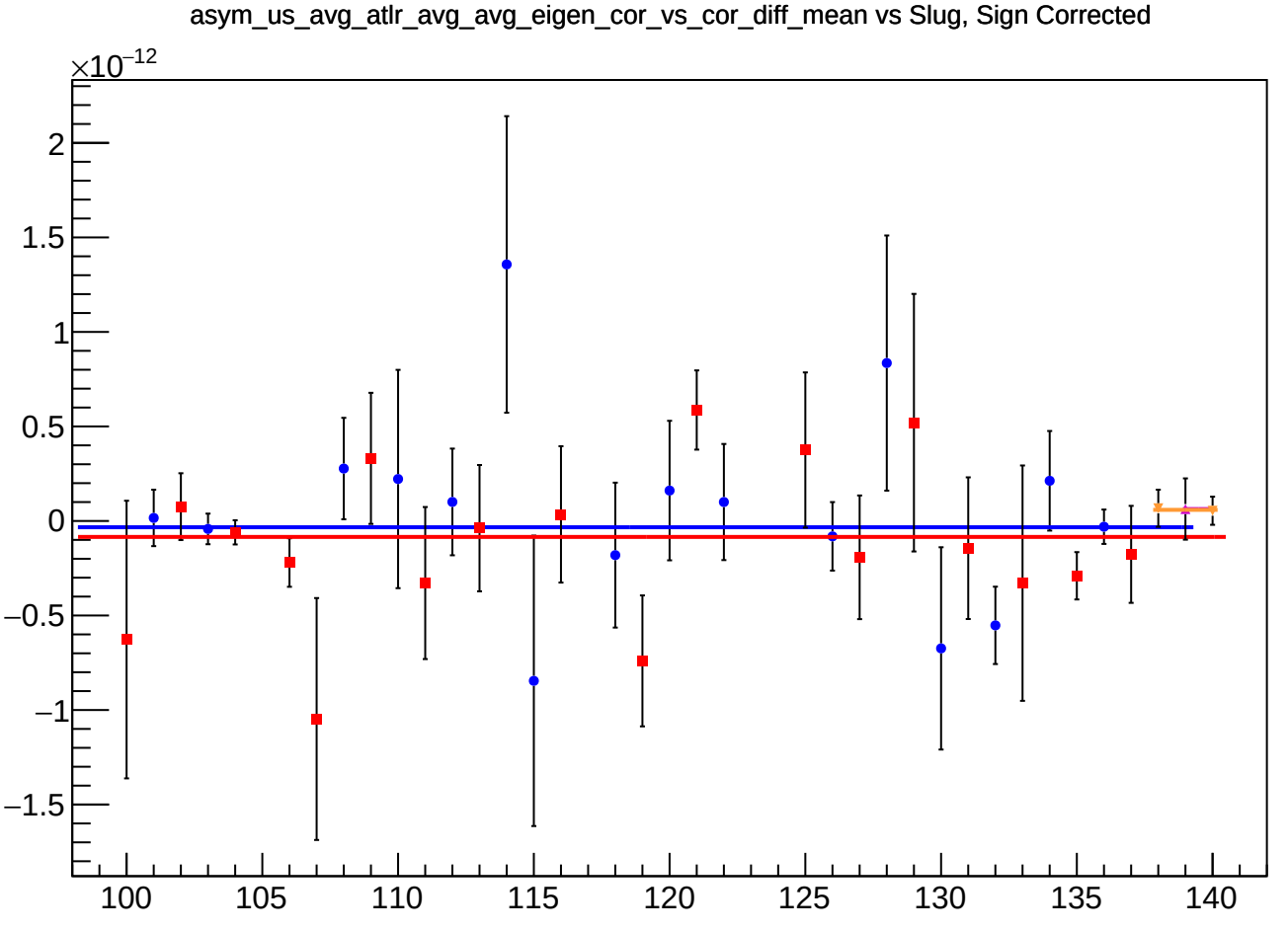
Left: 375.854+/-0.178 χ^2/NDF: 195645.5/2

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 227.835+/-0.061 χ^2/NDF:1131440.3/16

Out: 223.202+/-0.060 χ^2/NDF:2409662.9/19

All: 225.498+/-0.043 χ^2/NDF: 3544042.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

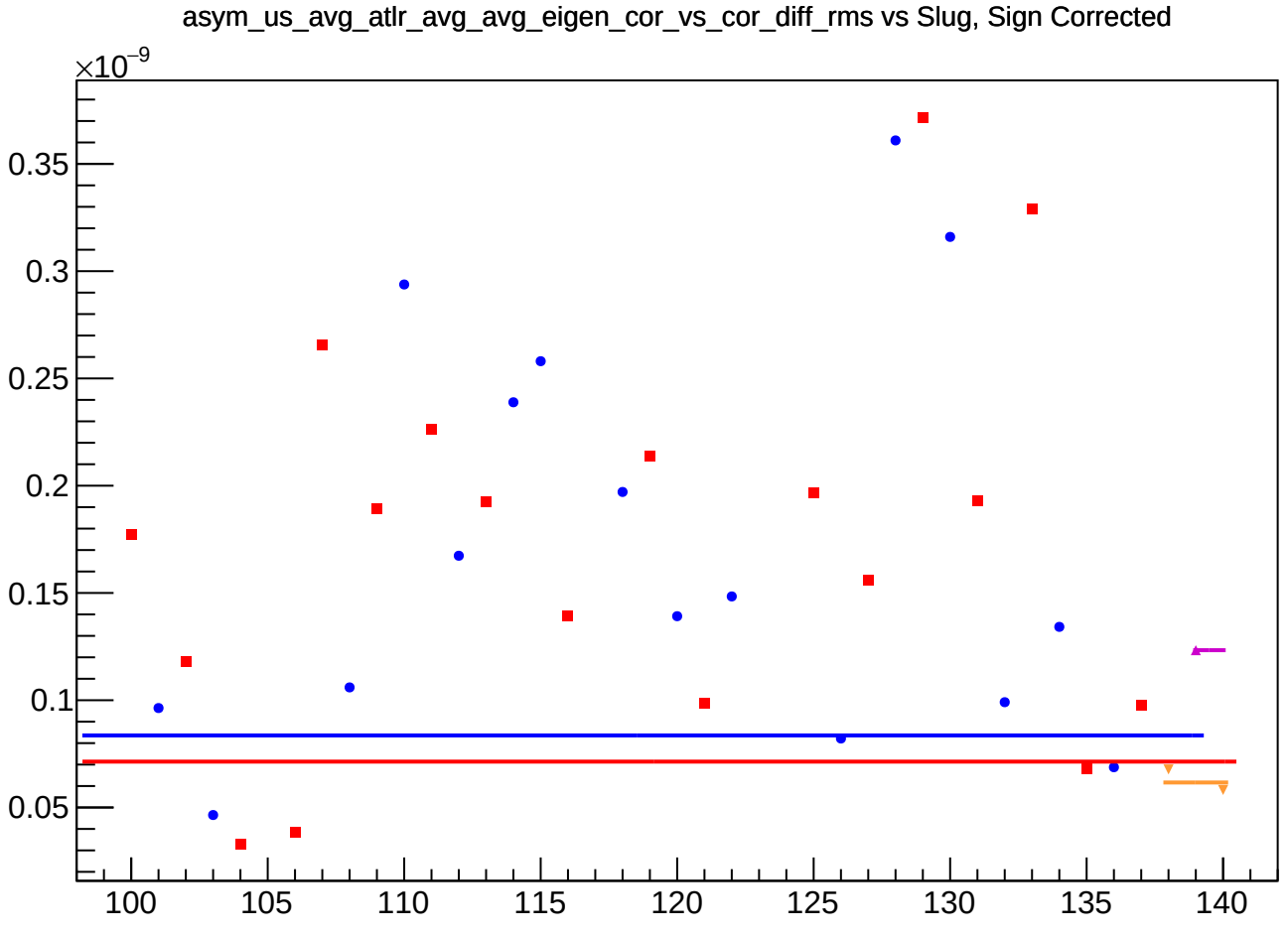
Left: 0.000+/-0.000 χ^2/NDF: 0.0/2

Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:17.6/16

Out: -0.000+/-0.000 χ^2/NDF:29.6/19

All: -0.000+/-0.000 χ^2/NDF: 47.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12104.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

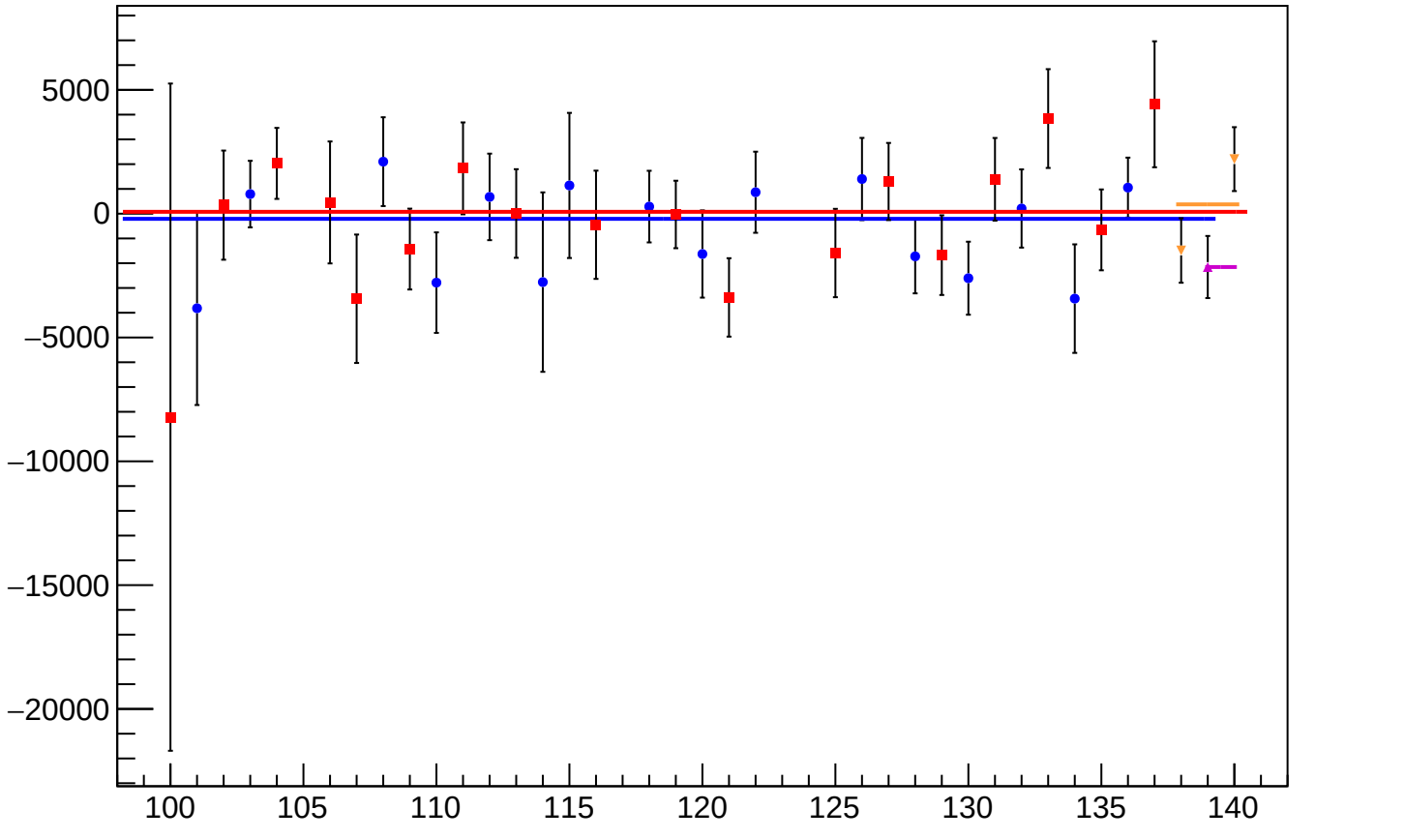
Left: 0.000+/-0.000 χ^2/NDF: 267576.0/2

Right: 0.000+/-0.000 χ^2/NDF: 6051897.3/33

In: 0.000+/-0.000 χ^2/NDF:2346301.4/16

Out: 0.000+/-0.000 χ^2/NDF:3791850.4/19

All: 0.000+/-0.000 χ^2/NDF: 6351753.4/36



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 376.172+/-916.778 χ^2/NDF:4.0/1

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -2154.017+/-1254.465 χ^2/NDF:0.0/0

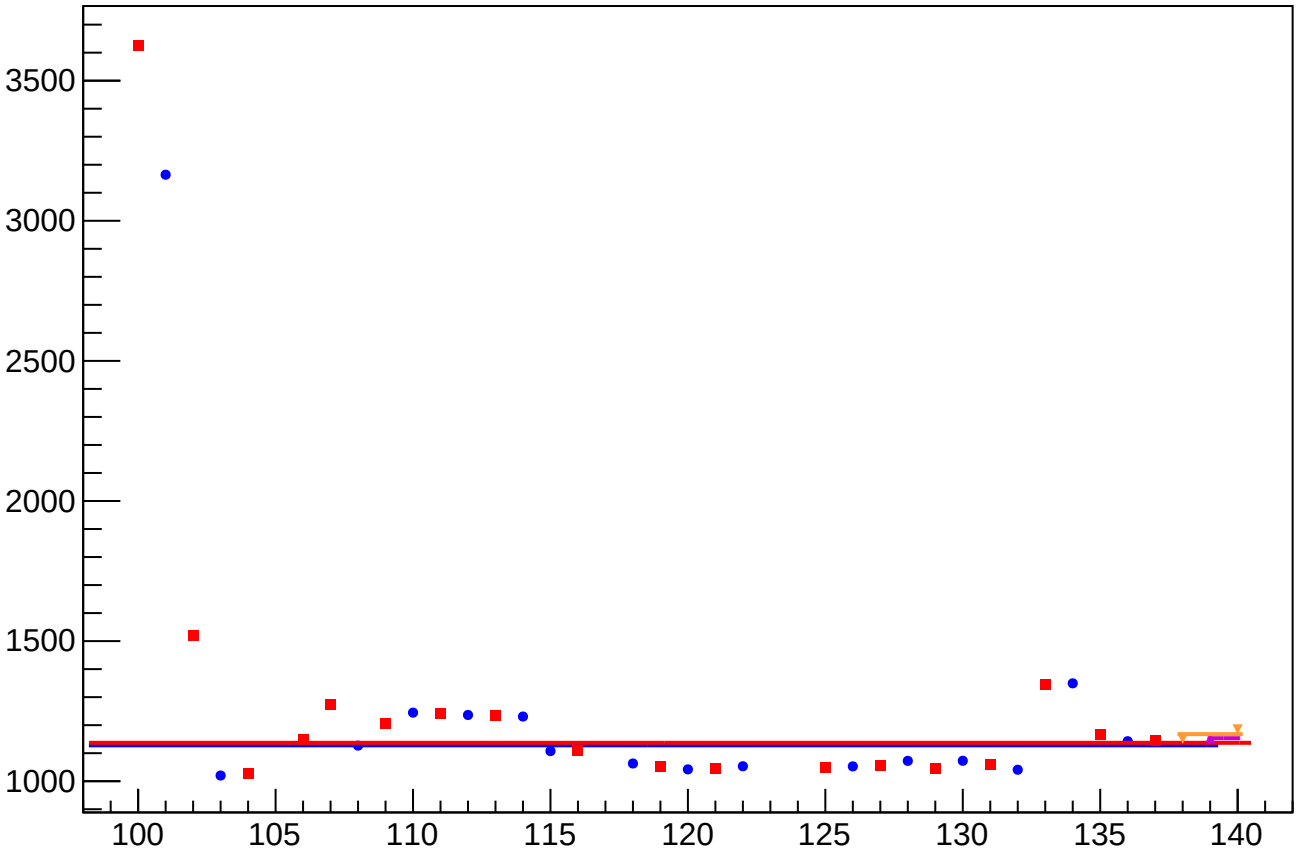
Left: -504.703+/-740.183 χ^2/NDF: 6.7/2

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -412.190+/-406.051 χ^2/NDF:16.9/16

Out: 129.970+/-389.869 χ^2/NDF:24.8/19

All: -130.092+/-281.226 χ^2/NDF: 42.6/36



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1168.059+/-0.648 χ^2/NDF:698.6/1

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1153.556+/-0.887 χ^2/NDF:0.0/0

Left: 1163.010+/-0.523 χ^2/NDF: 872.9/2

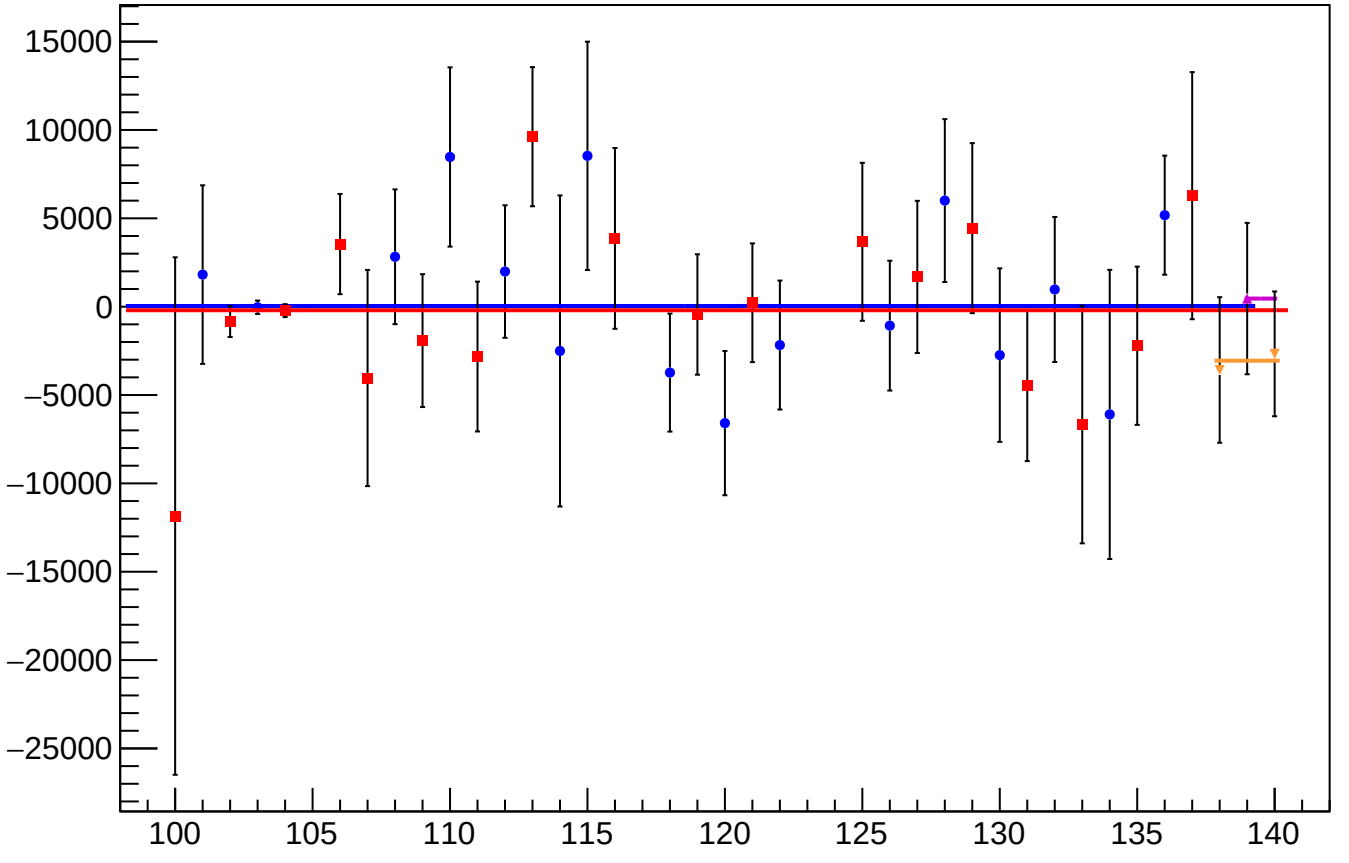
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1130.684+/-0.287 χ^2/NDF:622137.2/16

Out: 1142.634+/-0.275 χ^2/NDF:222661.4/19

All: 1136.911+/-0.199 χ^2/NDF: 845701.1/36

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: -3056.973+/-2681.335 χ^2/NDF:0.0/1

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 458.019+/-4282.502 χ^2/NDF:0.0/0

Left: -2067.085+/-2272.629 χ^2/NDF: 0.5/2

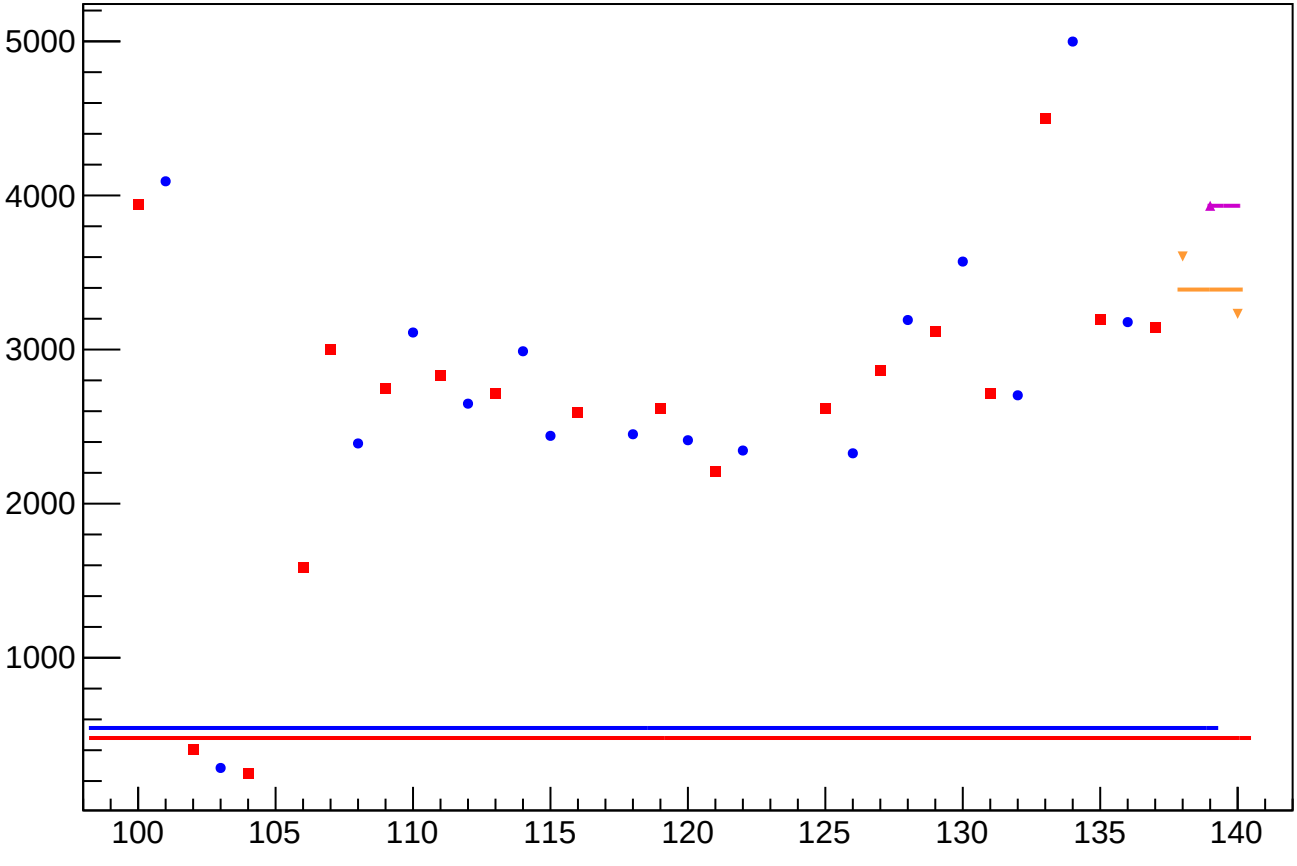
Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: 41.207+/-356.411 χ^2/NDF:14.9/16

Out: -242.370+/-320.236 χ^2/NDF:16.8/19

All: -115.698+/-238.207 χ^2/NDF: 32.0/36

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3389.371+/-1.896 χ^2/NDF:9422.9/1

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3933.056+/-3.028 χ^2/NDF:0.0/0

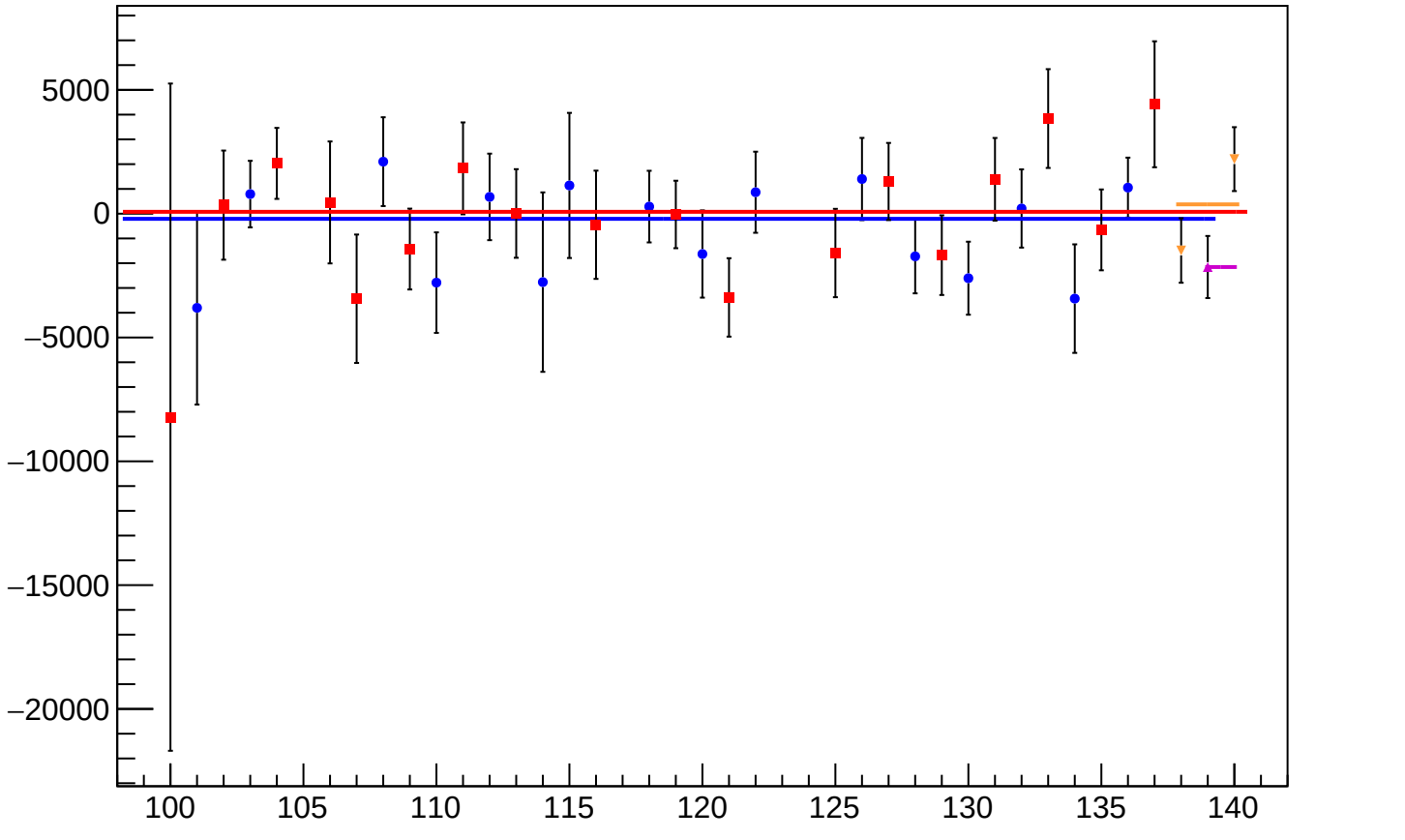
Left: 3542.483+/-1.607 χ^2/NDF: 32580.0/2

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 567.807+/-0.252 χ^2/NDF:10926588.0/16

Out: 520.762+/-0.226 χ^2/NDF:11519663.1/19

All: 541.777+/-0.168 χ^2/NDF: 22465531.8/36



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 376.168+/-916.778 χ^2/NDF:4.0/1

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -2154.169+/-1254.465 χ^2/NDF:0.0/0

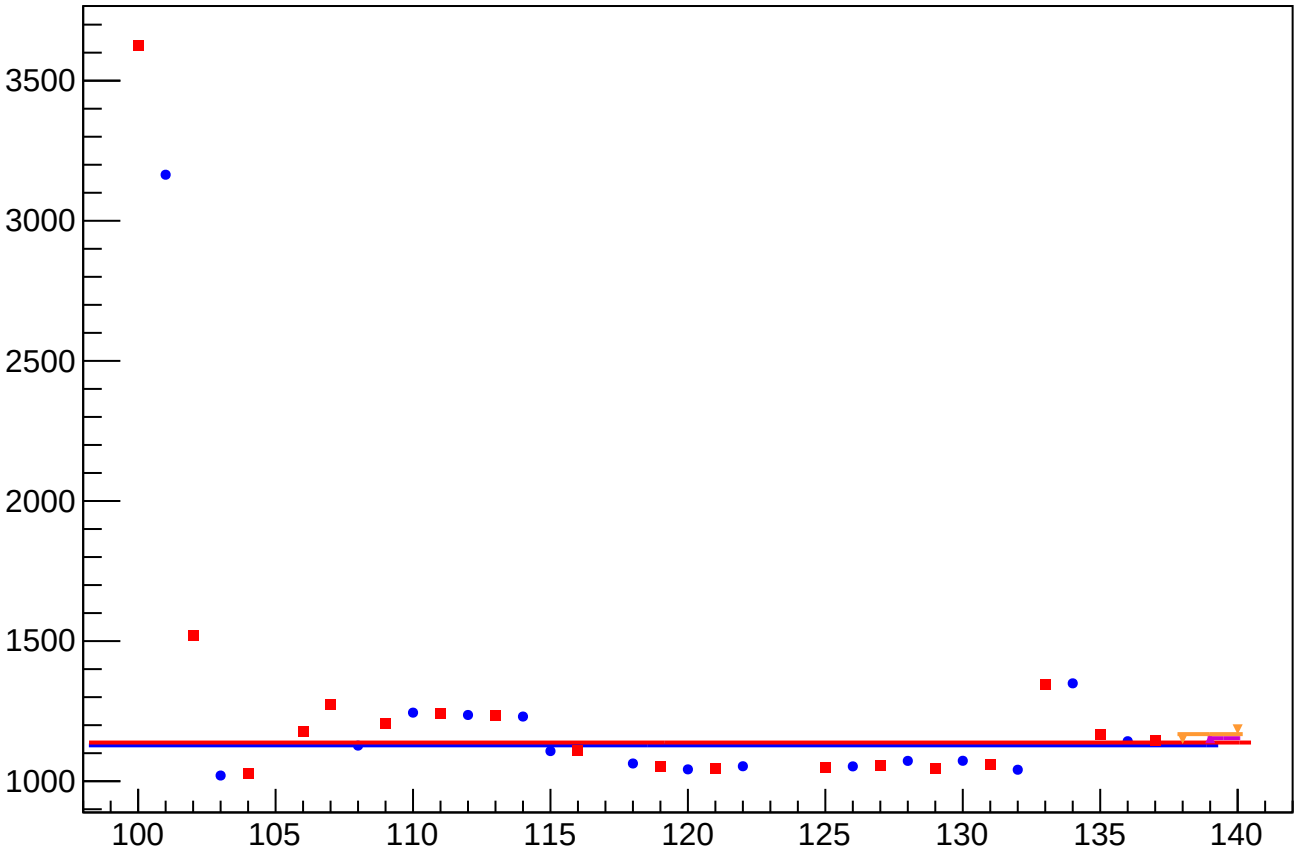
Left: -504.759+/-740.183 χ^2/NDF: 6.7/2

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -412.002+/-406.051 χ^2/NDF:16.9/16

Out: 130.088+/-389.869 χ^2/NDF:24.8/19

All: -129.940+/-281.226 χ^2/NDF: 42.6/36



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1168.059+/-0.648 χ^2/NDF:698.6/1

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1153.556+/-0.887 χ^2/NDF:0.0/0

Left: 1163.010+/-0.523 χ^2/NDF: 872.9/2

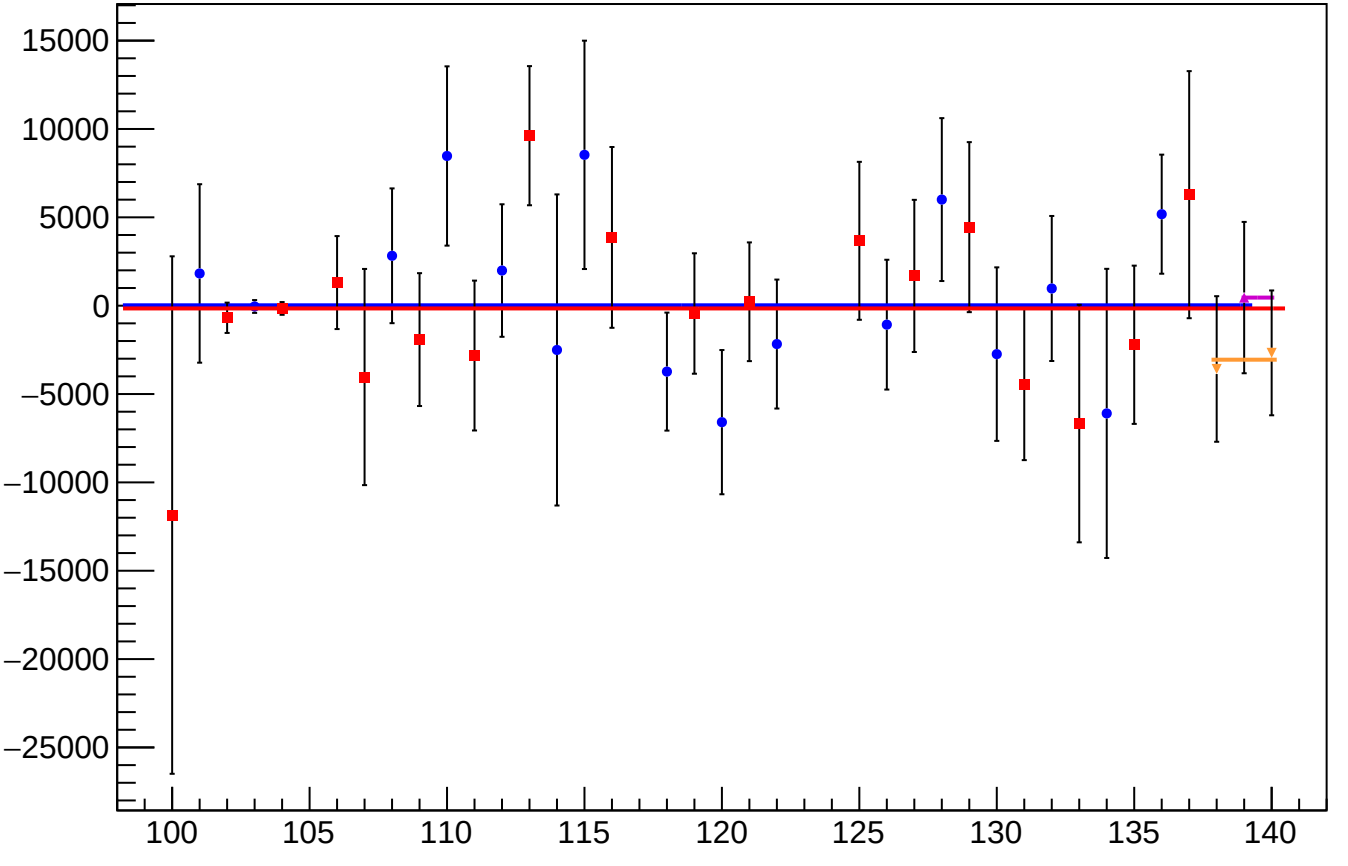
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1130.684+/-0.287 χ^2/NDF:622138.3/16

Out: 1143.431+/-0.276 χ^2/NDF:223084.7/19

All: 1137.319+/-0.199 χ^2/NDF: 846249.0/36

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -3056.938+/-2681.329 χ^2/NDF:0.0/1

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 457.995+/-4282.509 χ^2/NDF:0.0/0

Left: -2067.072+/-2272.626 χ^2/NDF: 0.5/2

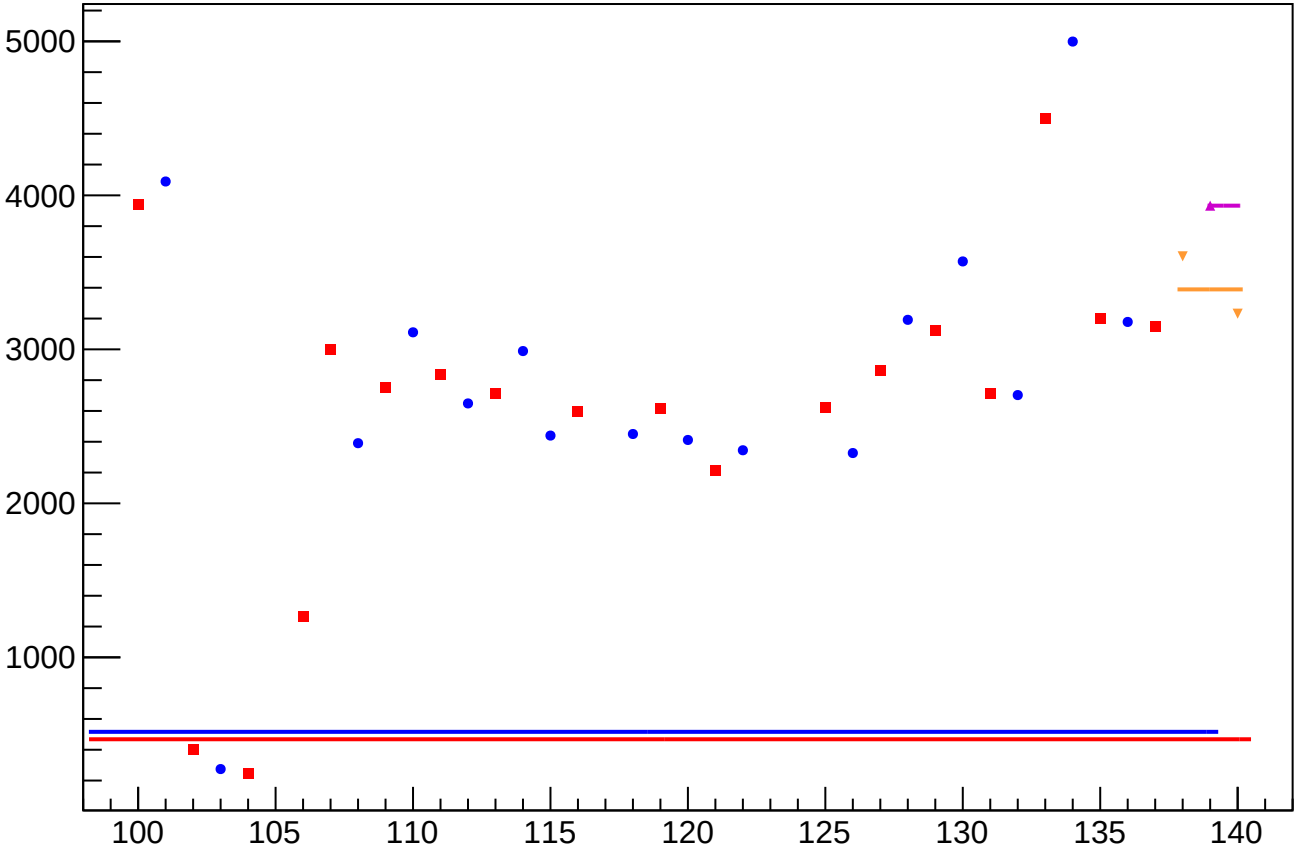
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 24.451+/-343.416 χ^2/NDF:14.9/16

Out: -196.307+/-315.167 χ^2/NDF:15.2/19

All: -95.380+/-232.202 χ^2/NDF: 30.3/36

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3389.362+/-1.896 χ^2/NDF:9423.1/1

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3933.063+/-3.028 χ^2/NDF:0.0/0

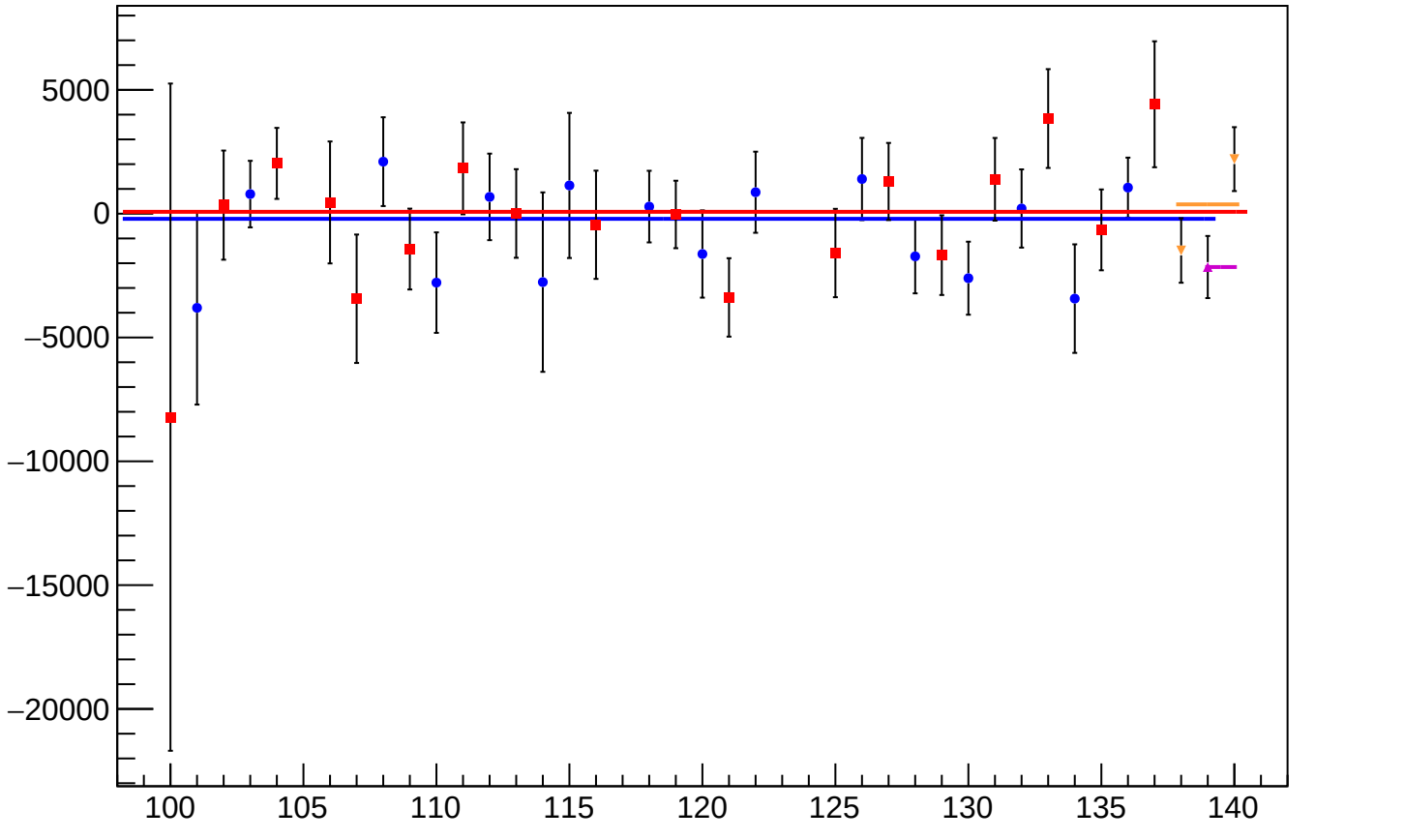
Left: 3542.478+/-1.607 χ^2/NDF: 32581.5/2

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 538.268+/-0.243 χ^2/NDF:11099586.6/16

Out: 508.420+/-0.223 χ^2/NDF:11461857.8/19

All: 522.066+/-0.164 χ^2/NDF: 22569645.5/36



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 376.168+/-916.778 χ^2/NDF:4.0/1

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -2154.169+/-1254.465 χ^2/NDF:0.0/0

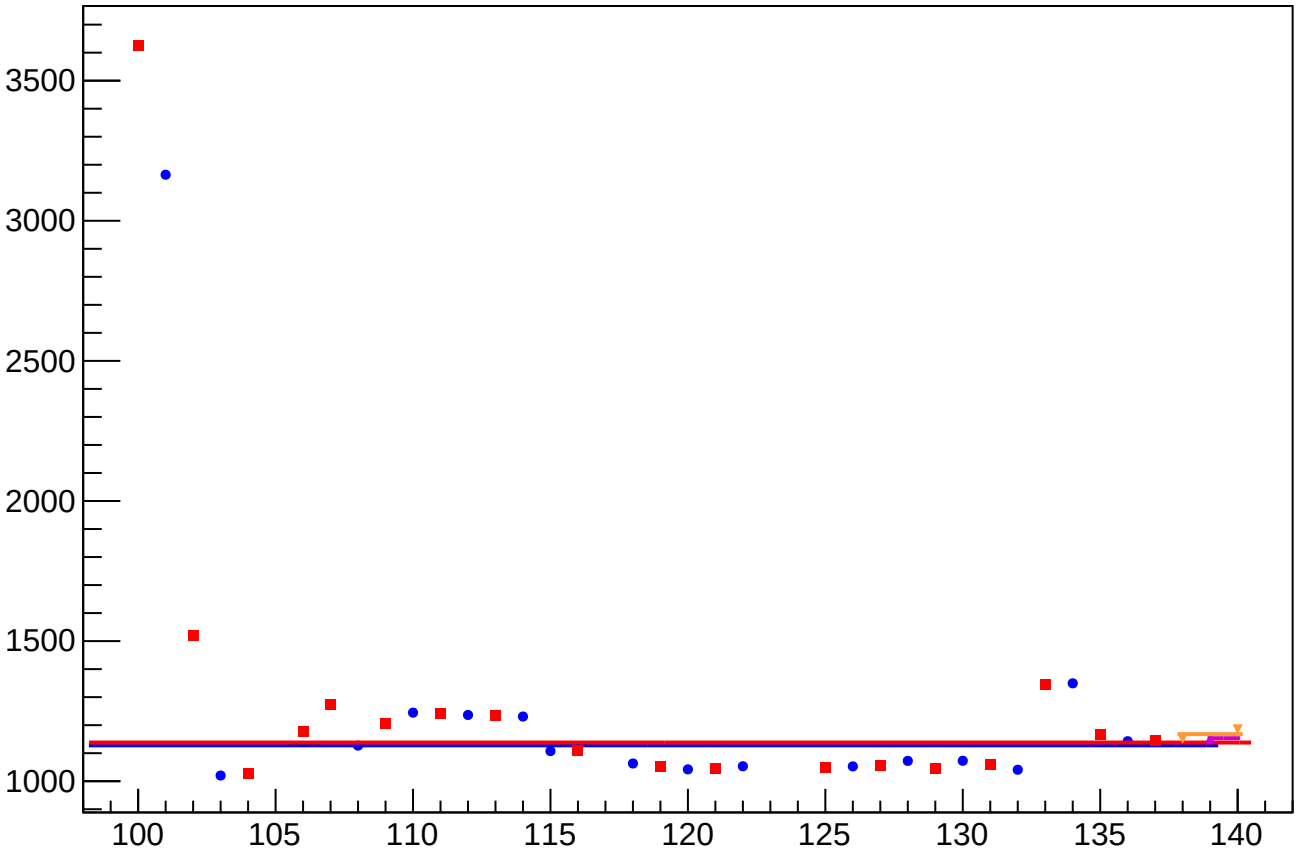
Left: -504.759+/-740.183 χ^2/NDF: 6.7/2

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -412.002+/-406.051 χ^2/NDF:16.9/16

Out: 130.088+/-389.869 χ^2/NDF:24.8/19

All: -129.940+/-281.226 χ^2/NDF: 42.6/36



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1168.059+/-0.648 χ^2/NDF:698.6/1

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1153.556+/-0.887 χ^2/NDF:0.0/0

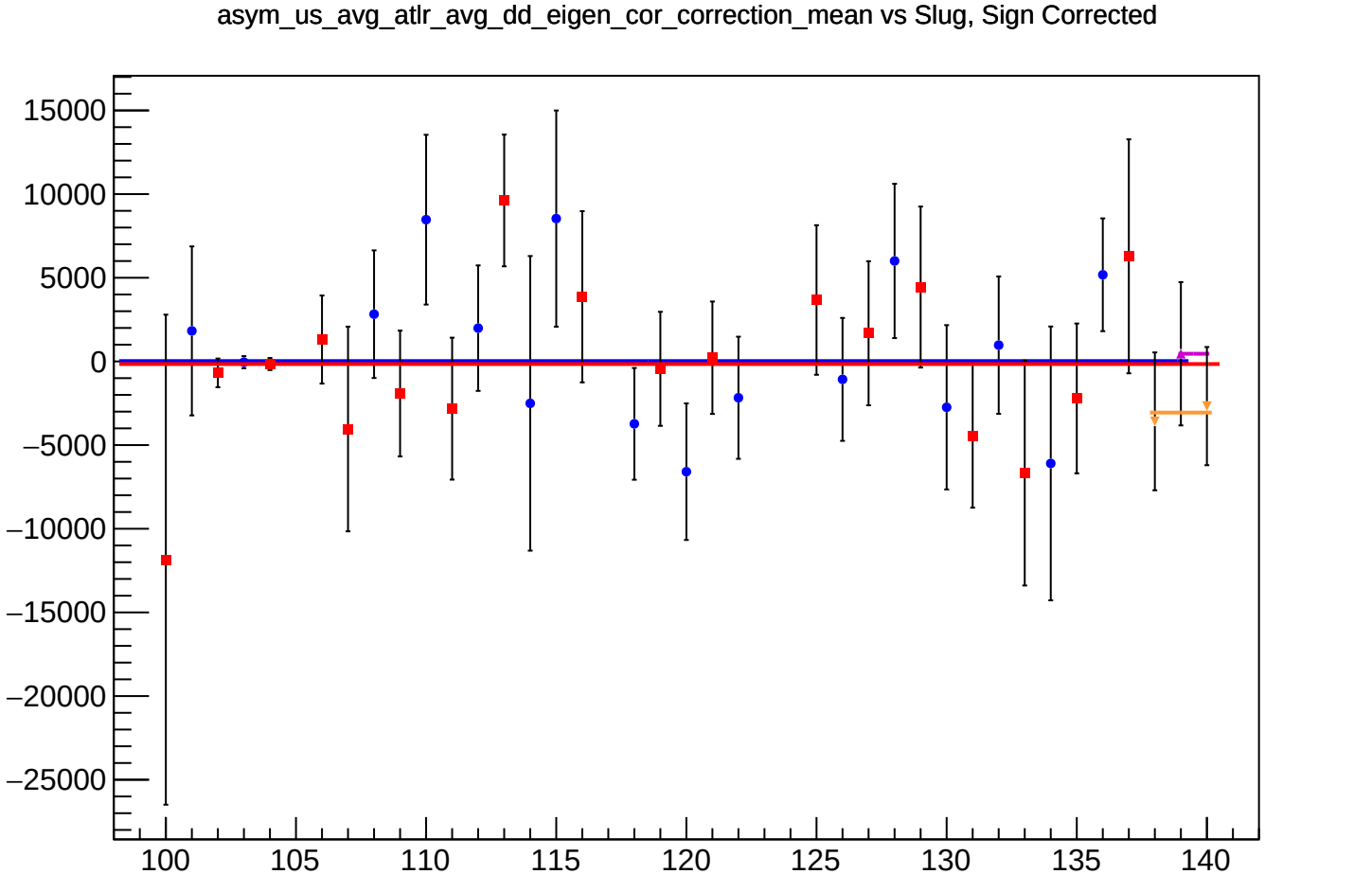
Left: 1163.010+/-0.523 χ^2/NDF: 872.9/2

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1130.684+/-0.287 χ^2/NDF:622138.3/16

Out: 1143.431+/-0.276 χ^2/NDF:223084.7/19

All: 1137.319+/-0.199 χ^2/NDF: 846249.0/36



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -3056.938+/-2681.329 χ^2/NDF:0.0/1

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 457.995+/-4282.509 χ^2/NDF:0.0/0

Left: -2067.072+/-2272.626 χ^2/NDF: 0.5/2

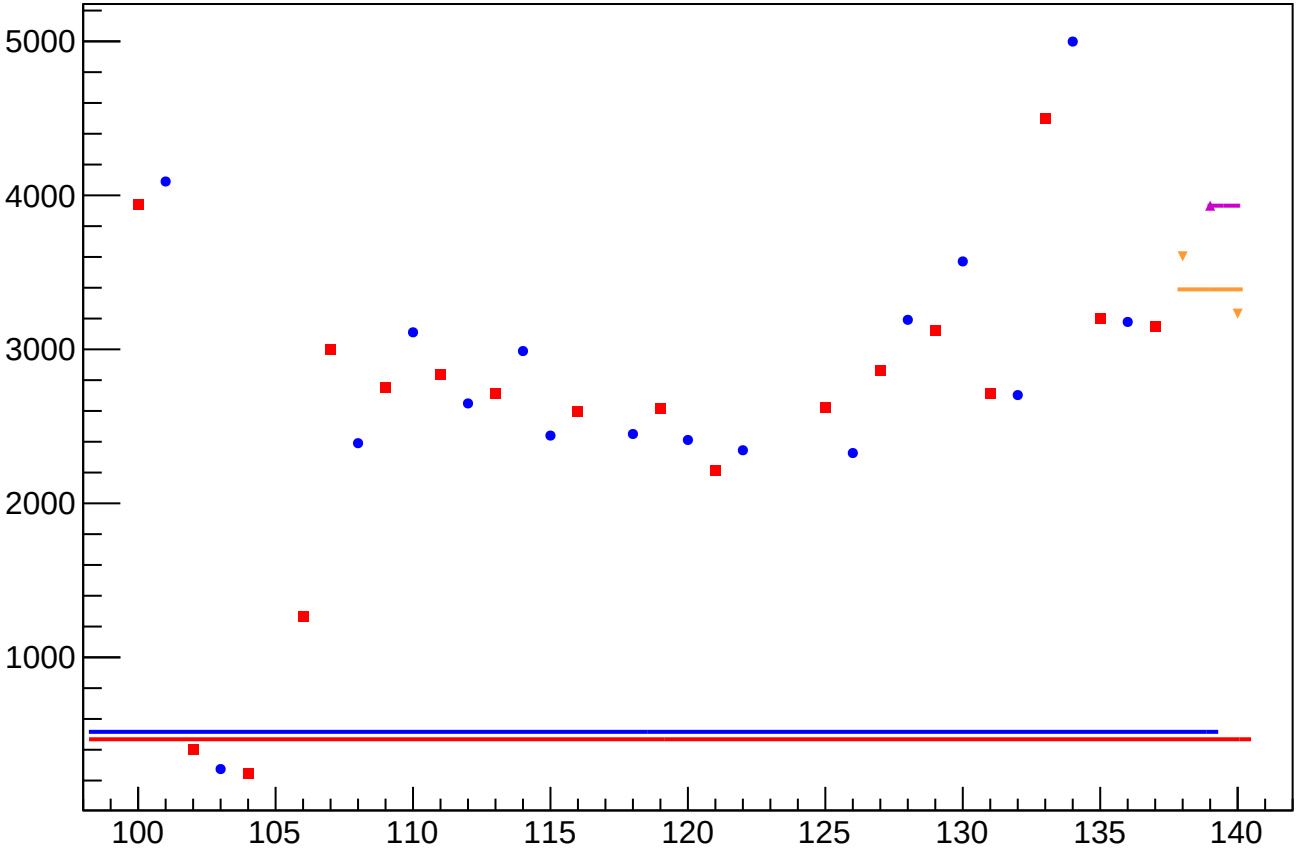
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 24.451+/-343.416 χ^2/NDF:14.9/16

Out: -196.307+/-315.167 χ^2/NDF:15.2/19

All: -95.380+/-232.202 χ^2/NDF: 30.3/36

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3389.362+/-1.896 χ^2/NDF:9423.1/1

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3933.063+/-3.028 χ^2/NDF:0.0/0

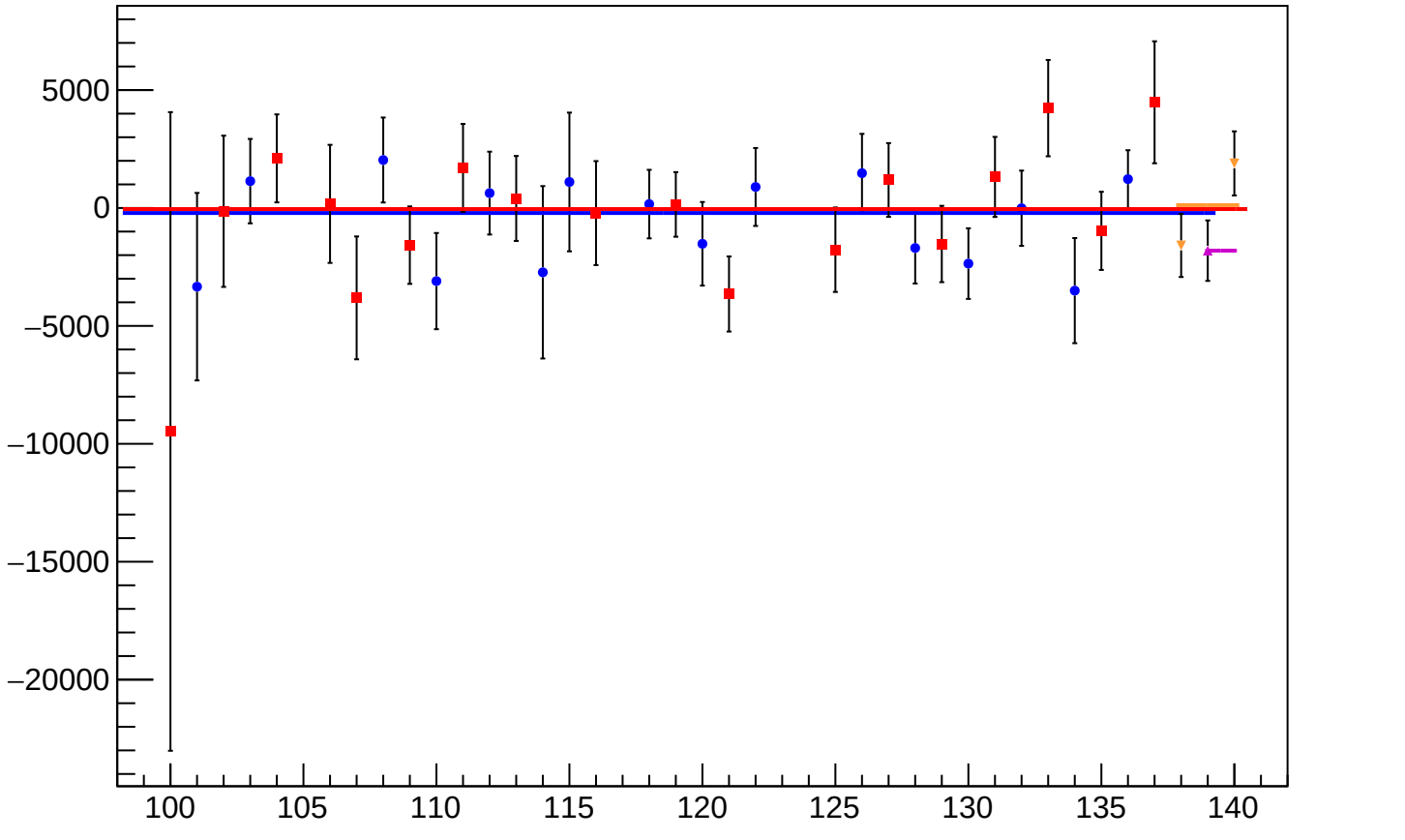
Left: 3542.478+/-1.607 χ^2/NDF: 32581.5/2

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 538.268+/-0.243 χ^2/NDF:11099586.6/16

Out: 508.420+/-0.223 χ^2/NDF:11461857.8/19

All: 522.066+/-0.164 χ^2/NDF: 22569645.5/36



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 121.931+/-953.462 χ^2/NDF:3.3/1

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -1809.521+/-1282.463 χ^2/NDF:0.0/0

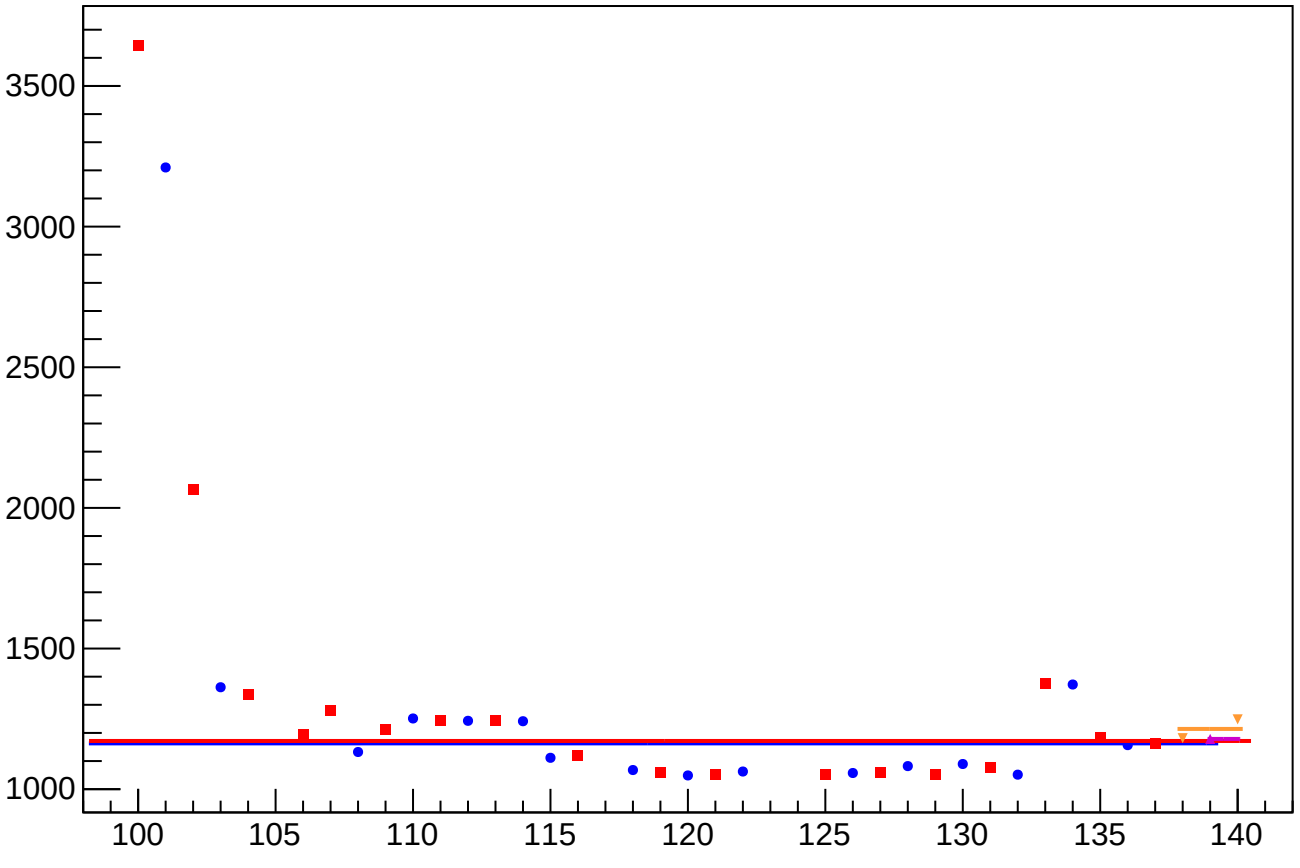
Left: -565.617+/-765.164 χ^2/NDF: 4.8/2

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -383.045+/-418.456 χ^2/NDF:15.7/16

Out: -15.335+/-404.893 χ^2/NDF:25.0/19

All: -193.135+/-290.979 χ^2/NDF: 41.1/36



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1214.242+/-0.674 χ^2/NDF:2462.9/1

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1178.665+/-0.907 χ^2/NDF:0.0/0

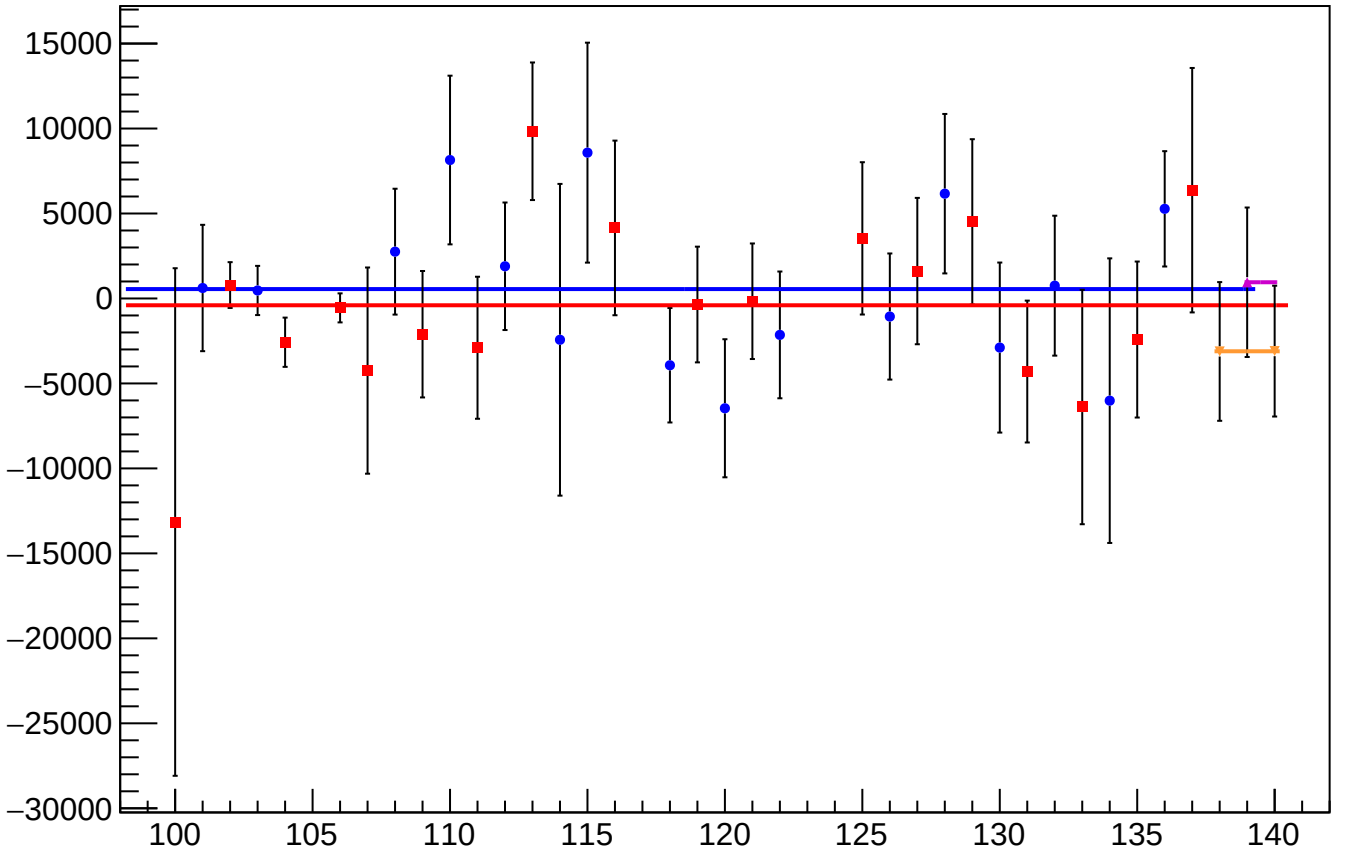
Left: 1201.577+/-0.541 χ^2/NDF: 3454.1/2

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1164.535+/-0.296 χ^2/NDF:635625.2/16

Out: 1179.136+/-0.286 χ^2/NDF:337410.9/19

All: 1172.079+/-0.206 χ^2/NDF: 974294.2/36



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -3107.594+/-2800.012 χ^2/NDF:0.0/1

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 954.117+/-4397.610 χ^2/NDF:0.0/0

Left: -1935.953+/-2361.889 χ^2/NDF: 0.6/2

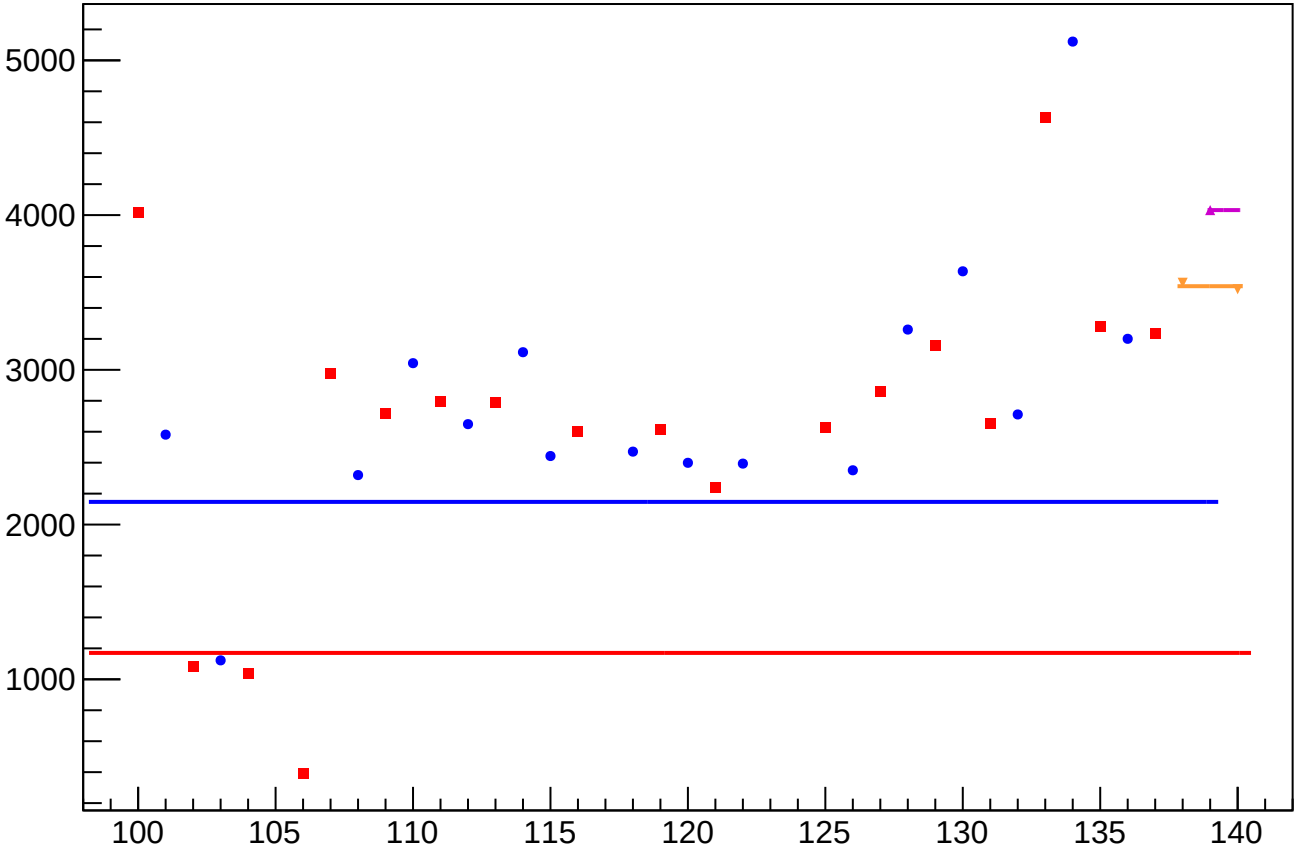
Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 567.781+/-857.355 χ^2/NDF:14.4/16

Out: -506.661+/-554.657 χ^2/NDF:17.6/19

All: -189.651+/-465.699 χ^2/NDF: 33.1/36

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3540.493+/-1.980 χ^2/NDF:112.3/1

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 4032.380+/-3.110 χ^2/NDF:0.0/0

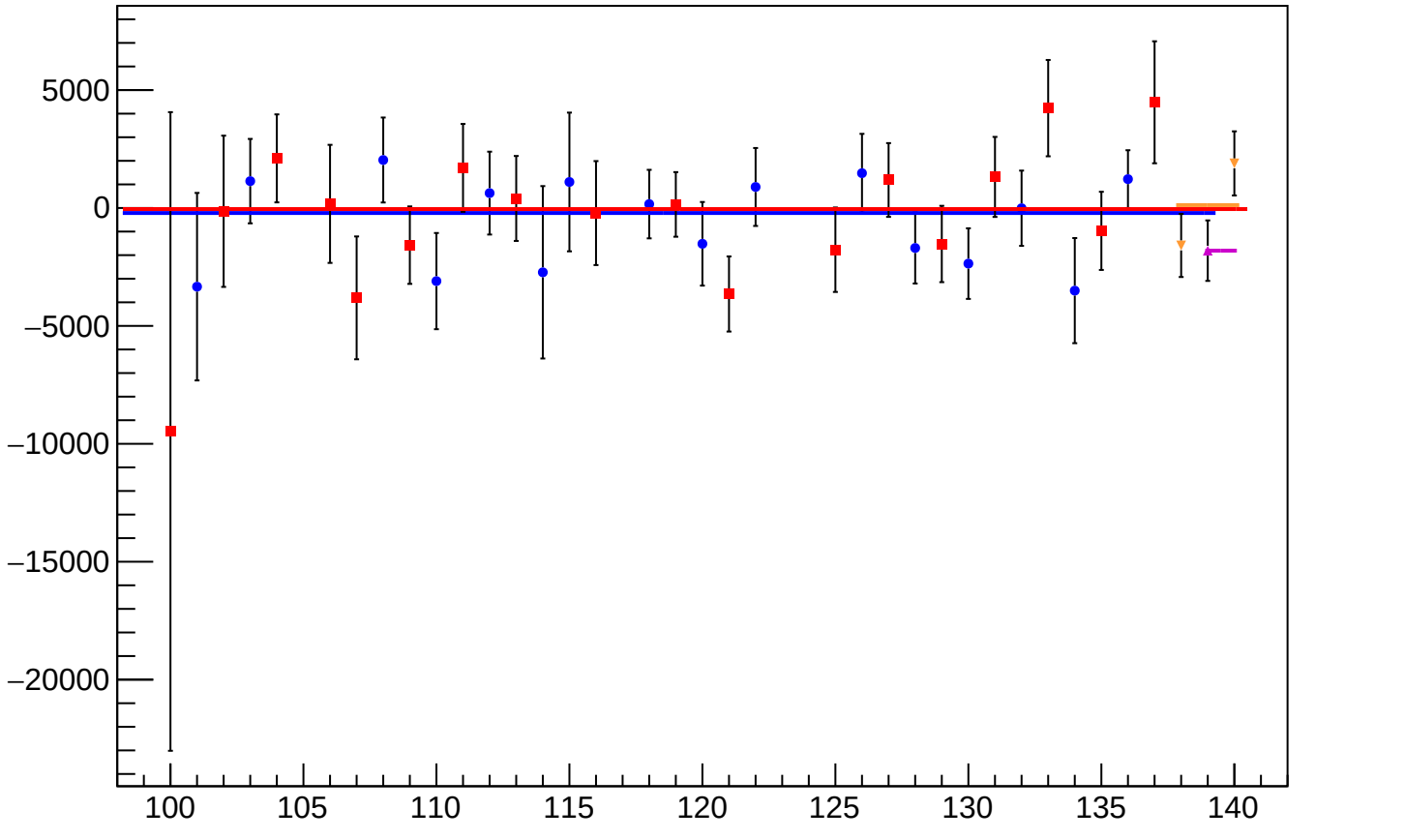
Left: 3682.383+/-1.670 χ^2/NDF: 17916.6/2

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2218.292+/-0.606 χ^2/NDF:2328510.8/16

Out: 1263.569+/-0.392 χ^2/NDF:7194142.2/19

All: 1545.256+/-0.329 χ^2/NDF: 11270988.7/3



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 121.931+/-953.462 χ^2/NDF:3.3/1

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -1809.501+/-1282.464 χ^2/NDF:0.0/0

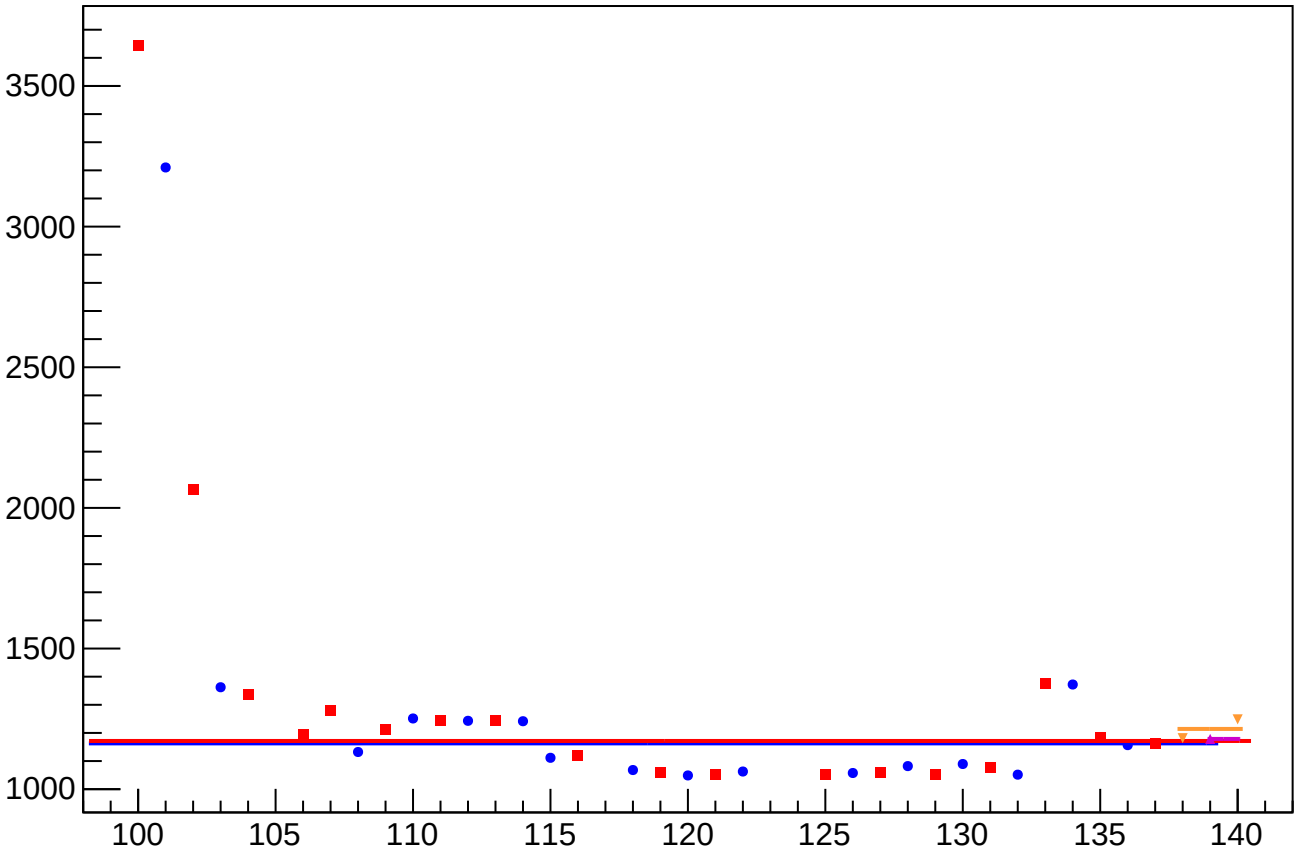
Left: -565.610+/-765.165 χ^2/NDF: 4.8/2

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -383.045+/-418.456 χ^2/NDF:15.7/16

Out: -15.338+/-404.893 χ^2/NDF:25.0/19

All: -193.136+/-290.979 χ^2/NDF: 41.1/36



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1214.242+/-0.674 χ^2/NDF:2462.9/1

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1178.666+/-0.907 χ^2/NDF:0.0/0

Left: 1201.578+/-0.541 χ^2/NDF: 3454.1/2

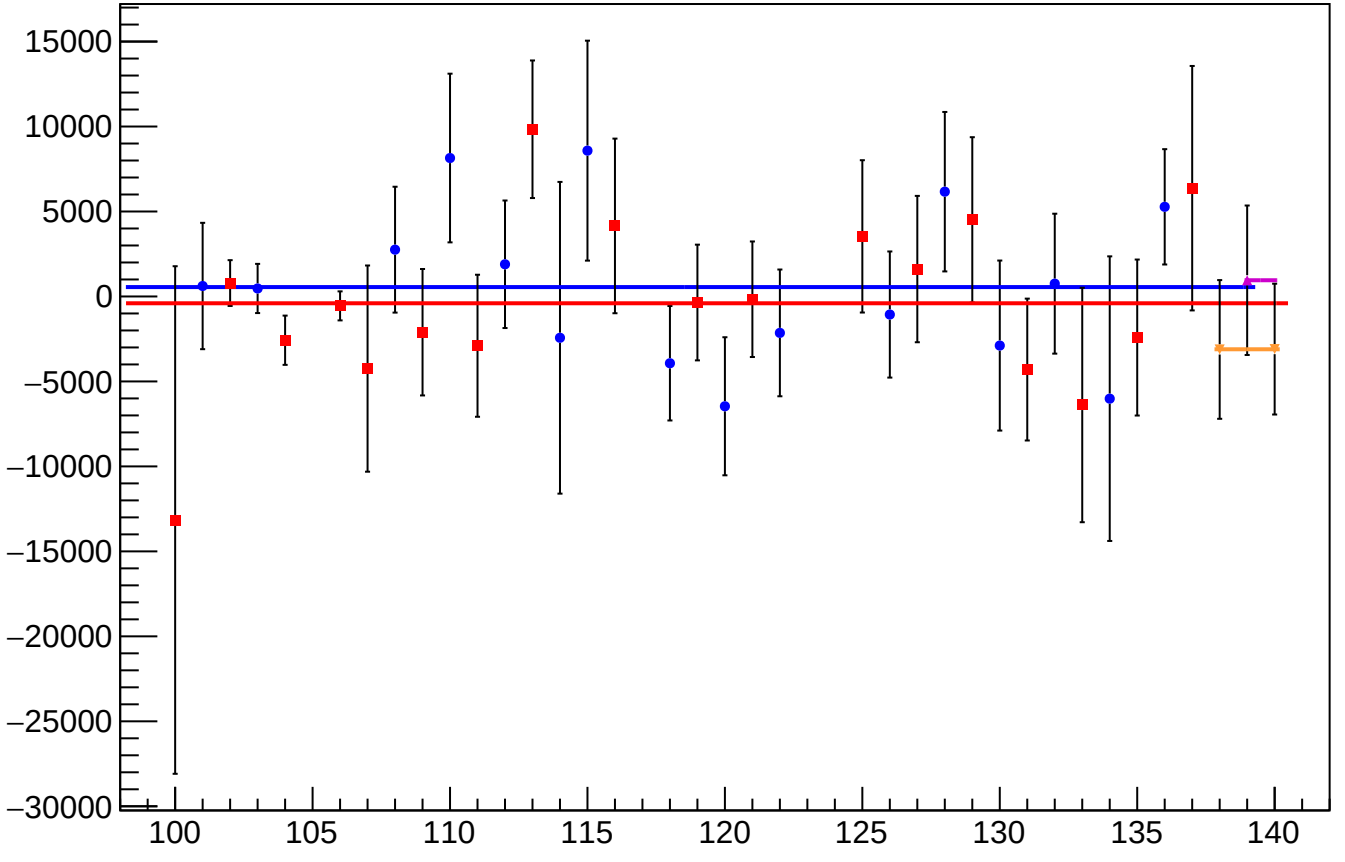
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1164.535+/-0.296 χ^2/NDF:635625.3/16

Out: 1179.137+/-0.286 χ^2/NDF:337410.6/19

All: 1172.079+/-0.206 χ^2/NDF: 974294.0/36

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -3107.593+/-2800.015 χ^2/NDF:0.0/1

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 954.139+/-4397.621 χ^2/NDF:0.0/0

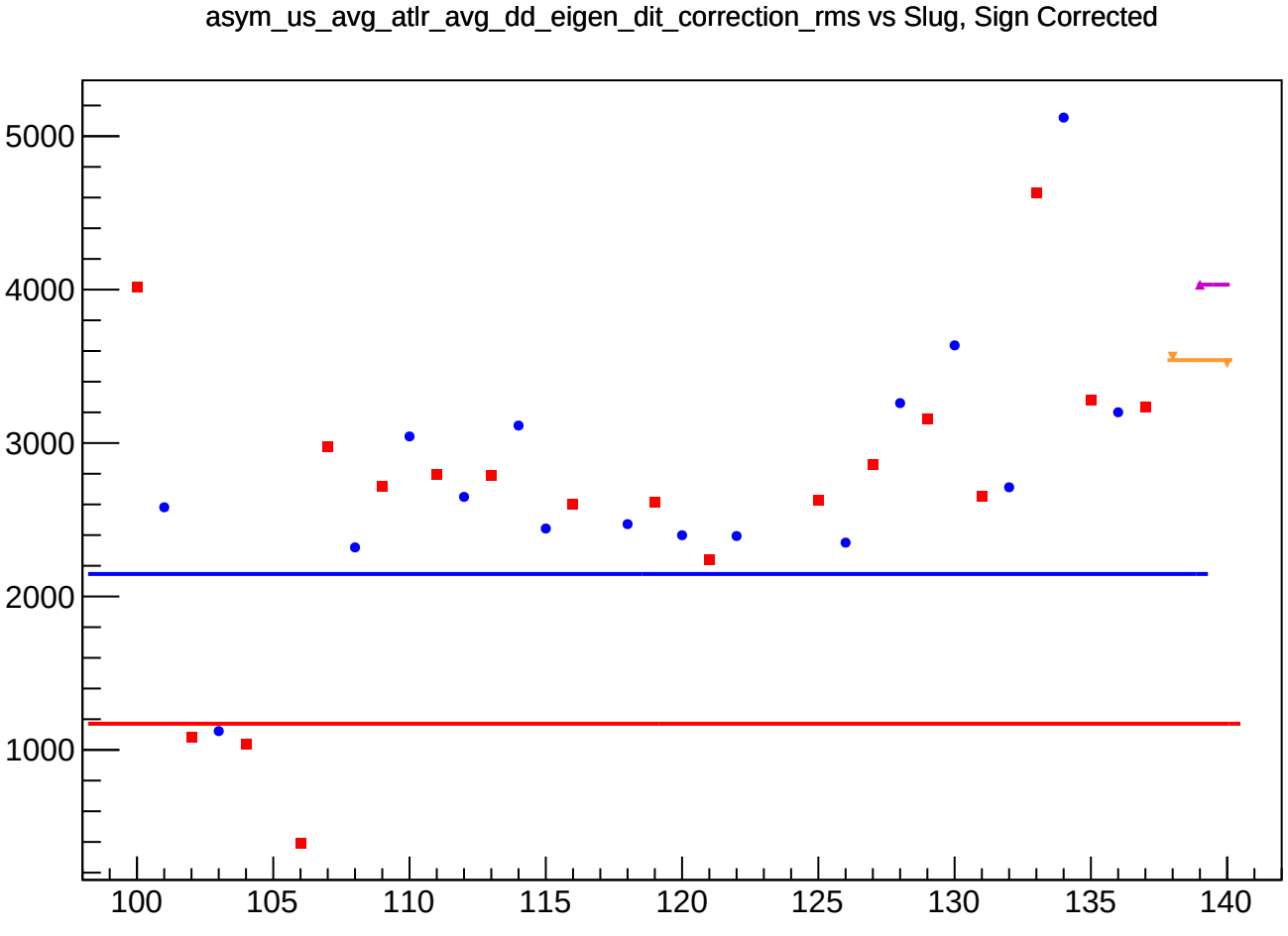
Left: -1935.948+/-2361.893 χ^2/NDF: 0.6/2

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 567.776+/-857.353 χ^2/NDF:14.4/16

Out: -506.660+/-554.651 χ^2/NDF:17.6/19

All: -189.656+/-465.695 χ^2/NDF: 33.1/36


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
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115
120
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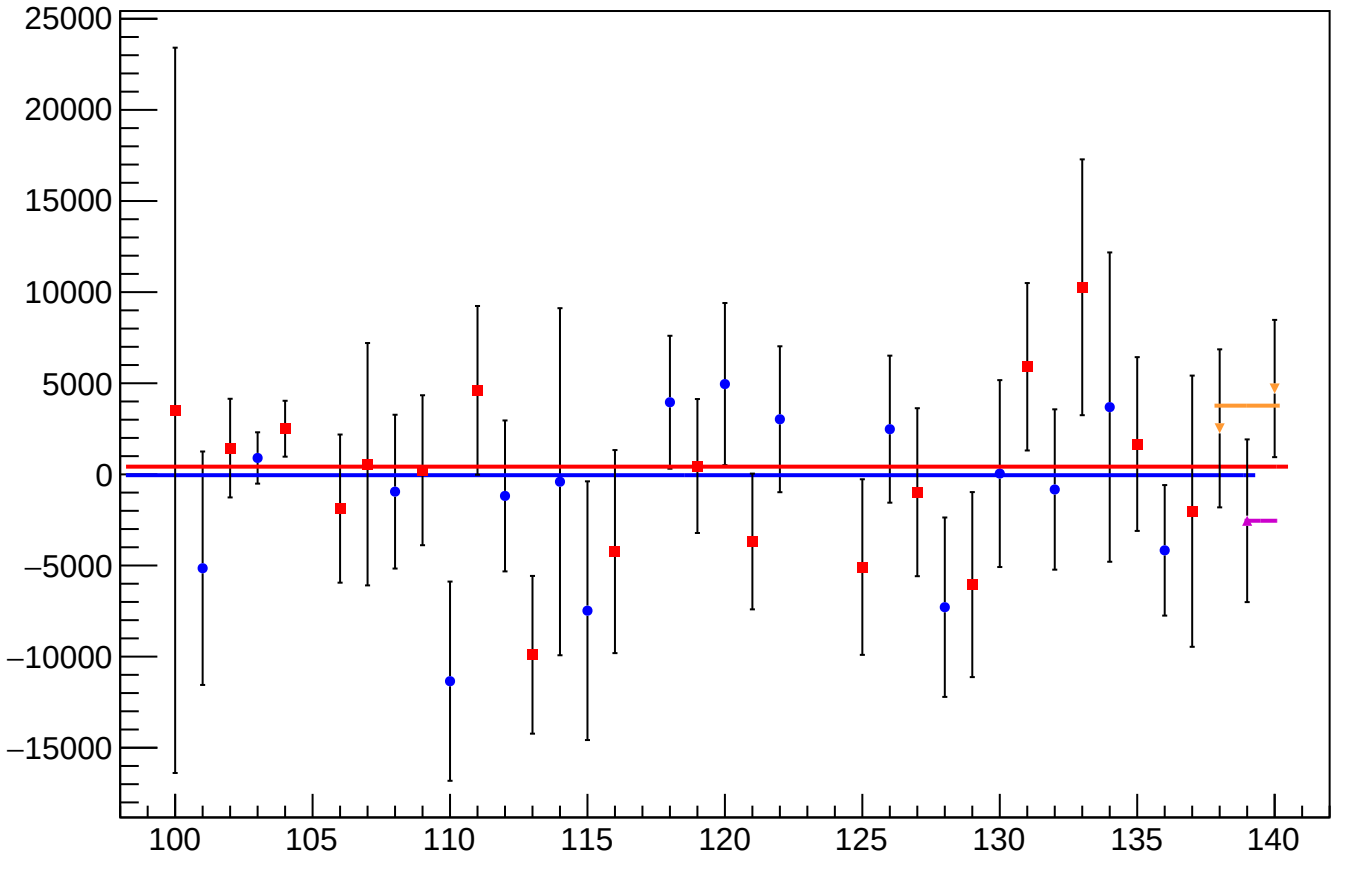
135
140
Right In: 2146.613+/-0.618 χ²/NDF: 1974719.3/15
Left Out: 3540.497+/-1.980 χ²/NDF:112.3/1
Right Out: 1170.550+/-0.400 χ²/NDF: 5817605.6/17
Left In: 4032.390+/-3.110 χ²/NDF:0.0/0
Left: 3682.388+/-1.670 χ²/NDF: 17917.0/2
Right: 1458.789+/-0.336 χ²/NDF: 9549586.1/33
In: 2218.289+/-0.606 χ²/NDF:2328509.8/16
Out: 1263.545+/-0.392 χ²/NDF:7194298.9/19
All: 1545.234+/-0.329 χ²/NDF: 11271237.7/3



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 3771.102+/-2843.007 χ^2/NDF:0.1/1

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -2544.858+/-4464.071 χ^2/NDF:0.0/0

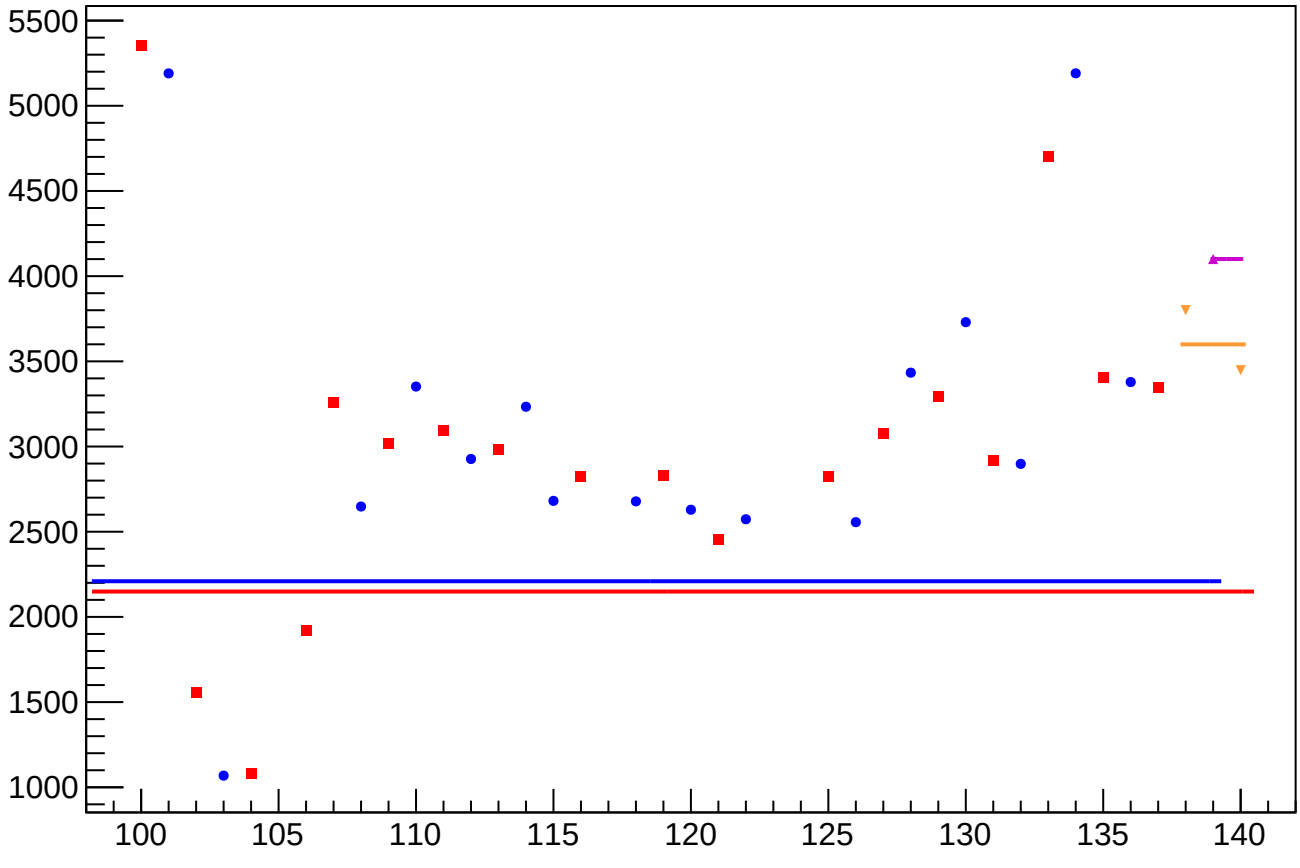
Left: 1948.581+/-2397.991 χ^2/NDF: 1.6/2

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -146.887+/-901.755 χ^2/NDF:14.0/16

Out: 726.390+/-855.203 χ^2/NDF:18.8/19

All: 312.874+/-620.525 χ^2/NDF: 33.3/36



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3599.449+/-2.010 χ^2/NDF:7536.0/1

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 4100.554+/-3.157 χ^2/NDF:0.0/0

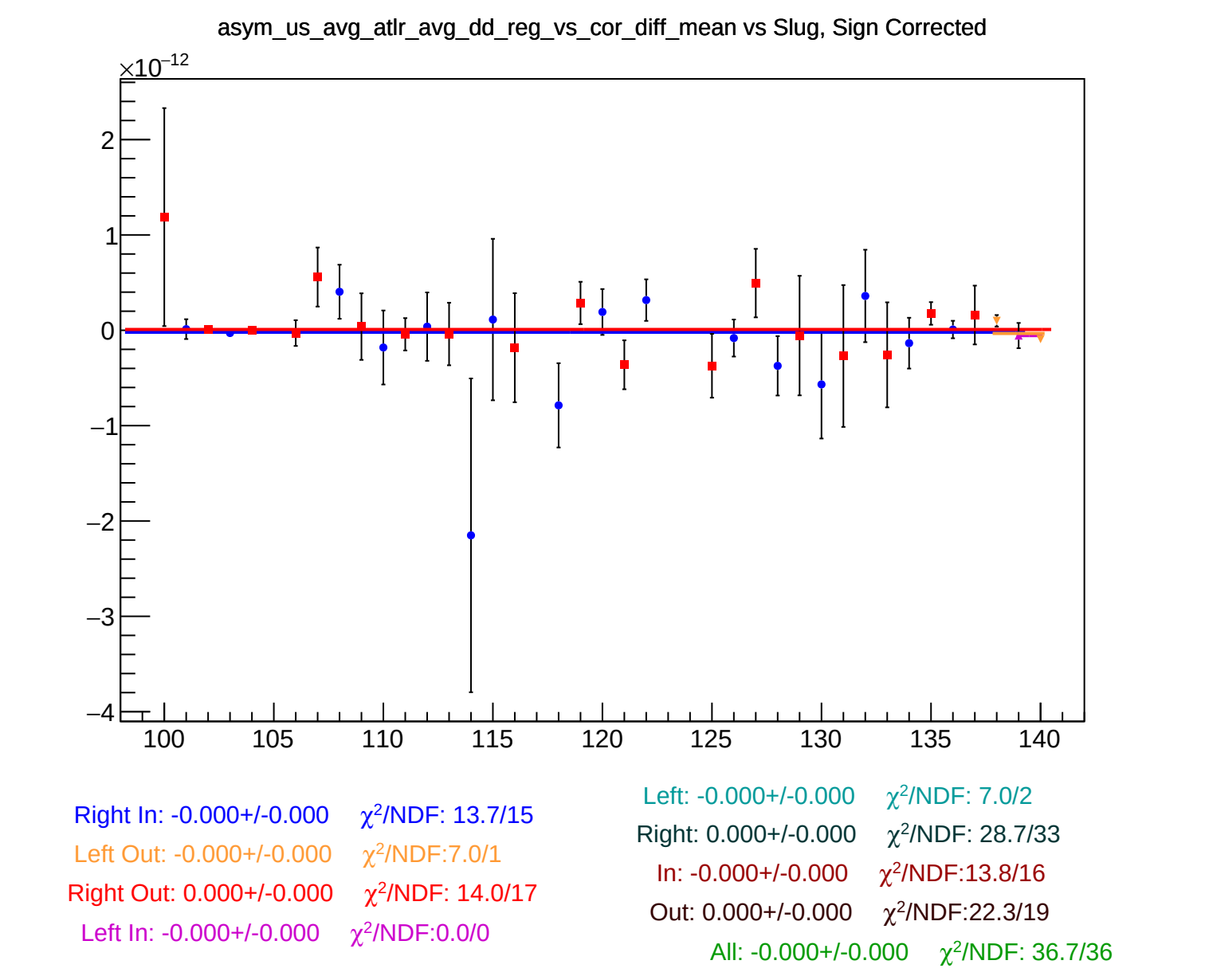
Left: 3744.047+/-1.696 χ^2/NDF: 25465.3/2

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2286.520+/-0.638 χ^2/NDF:3181187.3/16

Out: 2279.628+/-0.603 χ^2/NDF:2750901.3/19

All: 2282.884+/-0.438 χ^2/NDF: 5932150.2/36


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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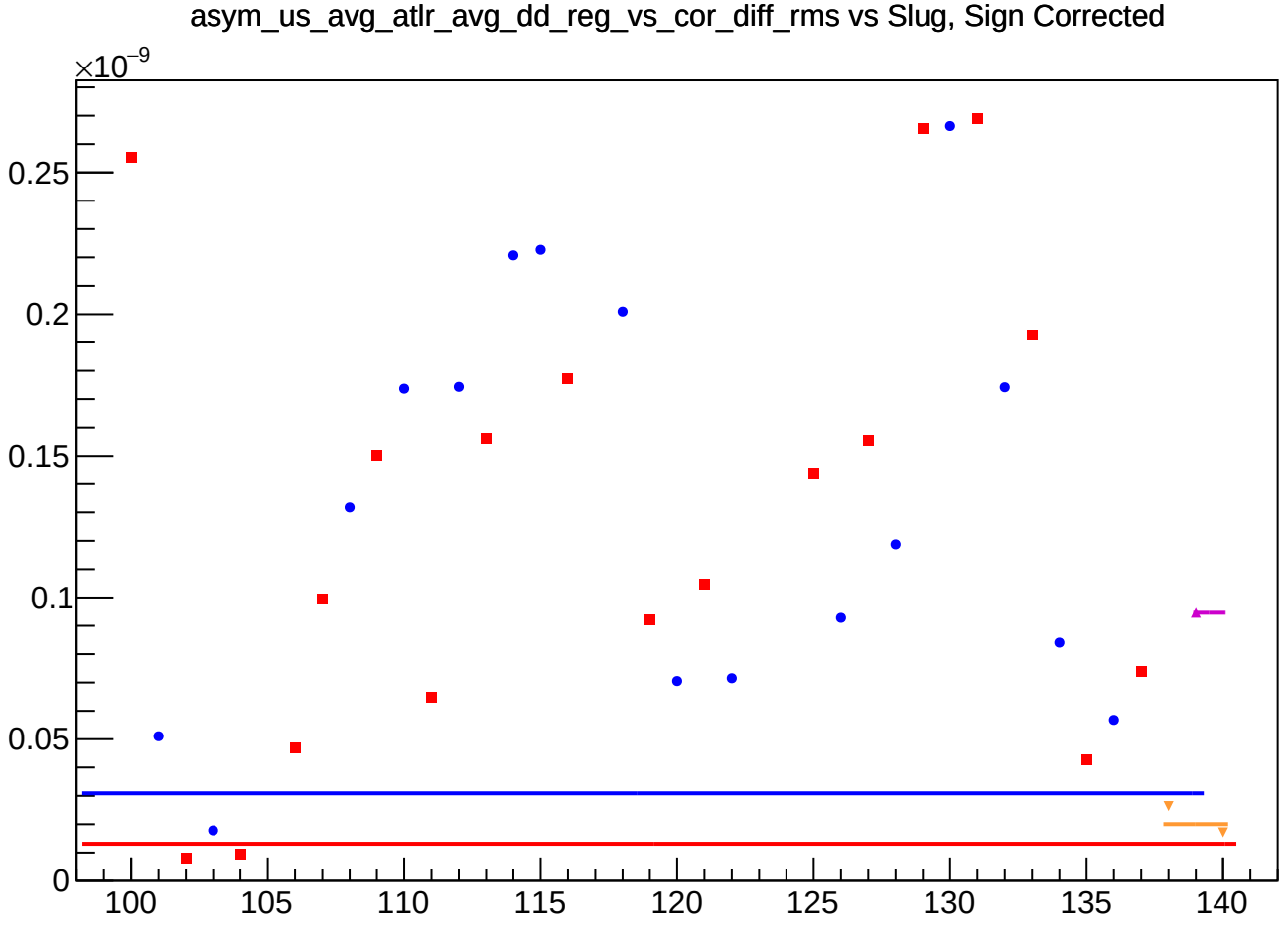
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:7.0/1
Right Out: 0.000+/-0.000 χ²/NDF: 14.0/17
Left In: -0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 7.0/2
Right: 0.000+/-0.000 χ²/NDF: 28.7/33
In: -0.000+/-0.000 χ²/NDF:13.8/16
Out: 0.000+/-0.000 χ²/NDF:22.3/19
All: -0.000+/-0.000 χ²/NDF: 36.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:32238.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

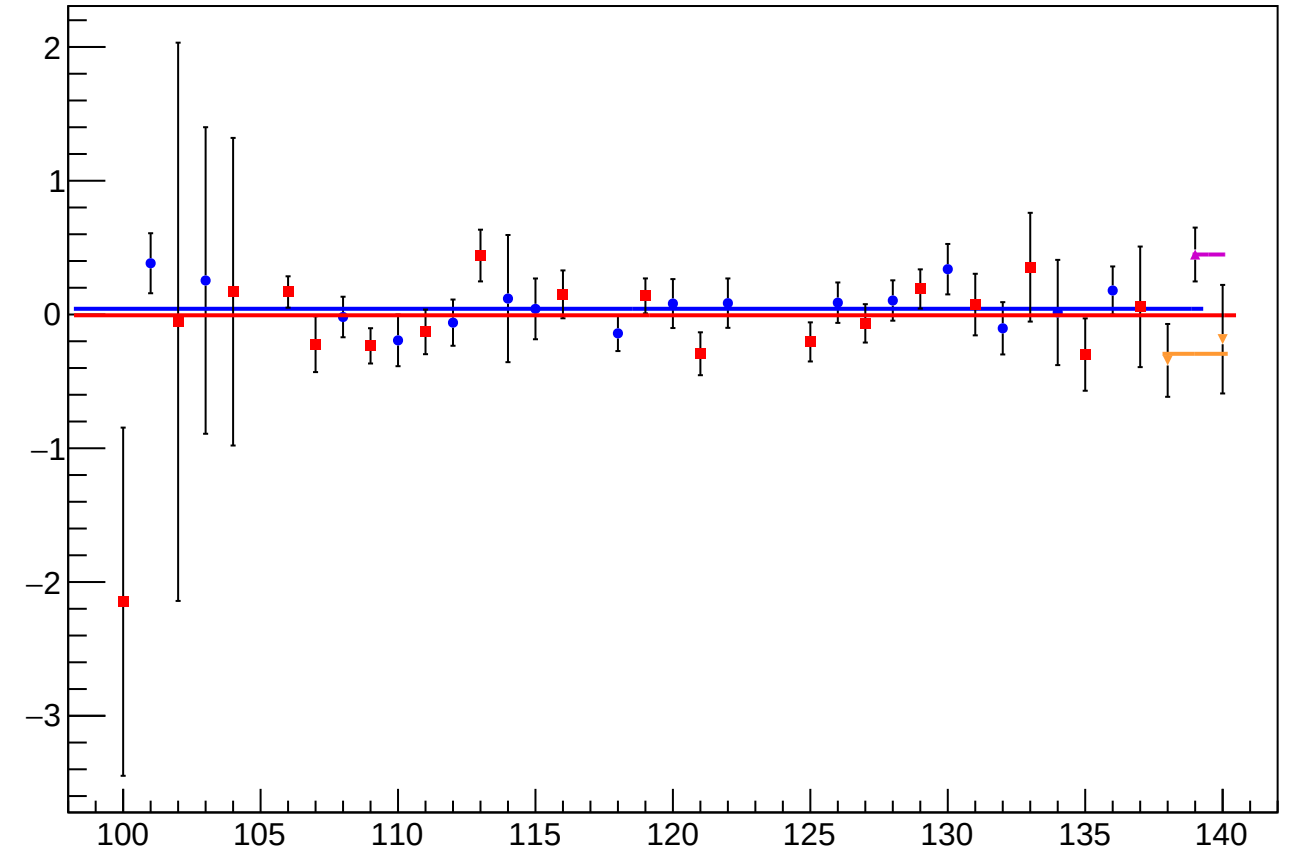
Left: 0.000+/-0.000 χ^2/NDF: 626828.3/2

Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:3444279.3/16

Out: 0.000+/-0.000 χ^2/NDF:3761802.8/19

All: 0.000+/-0.000 χ^2/NDF: 8090247.2/36



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.294+/-0.226 χ^2/NDF:0.1/1

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.448+/-0.201 χ^2/NDF:0.0/0

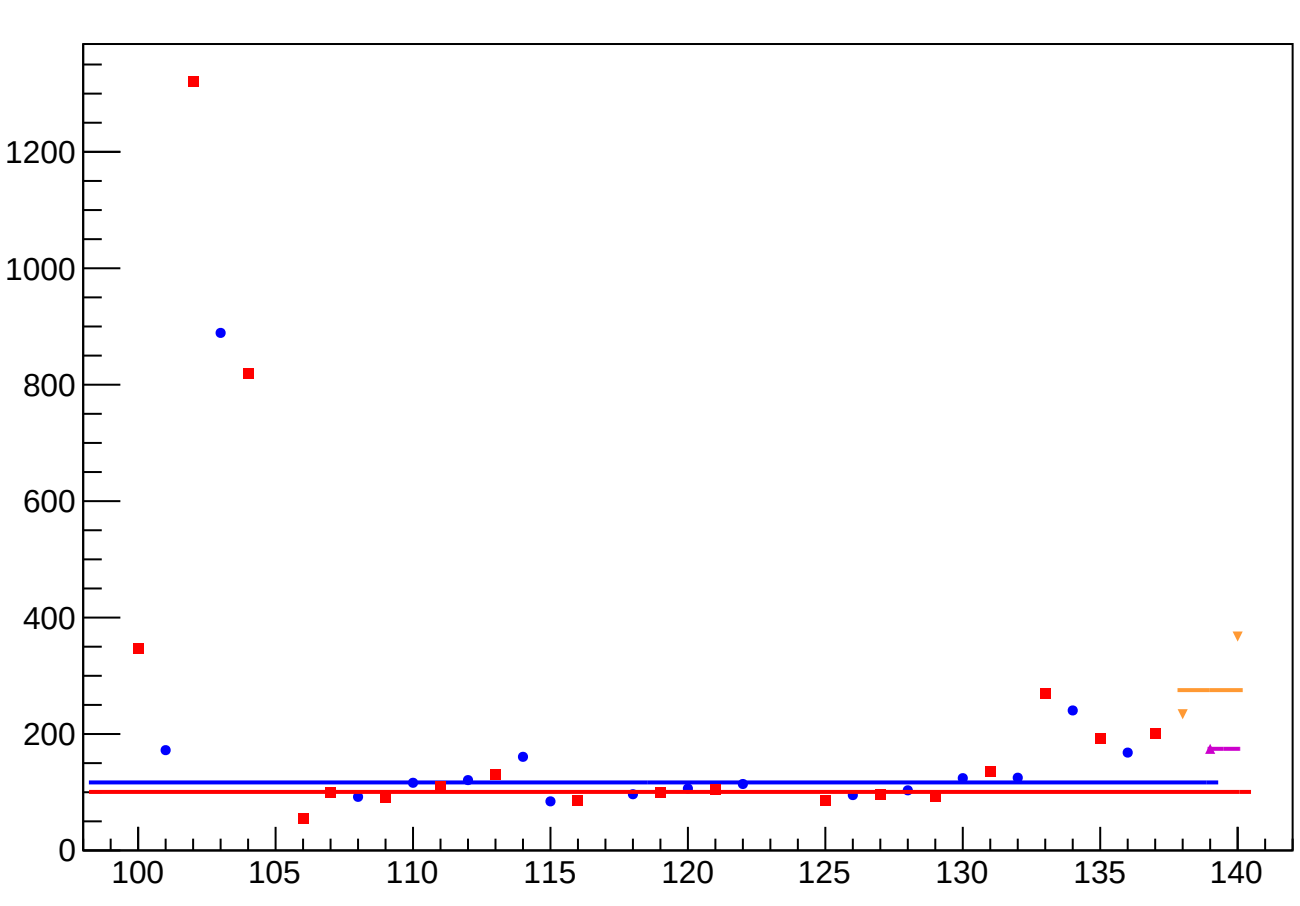
Left: 0.120+/-0.150 χ^2/NDF: 6.1/2

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.064+/-0.046 χ^2/NDF:14.1/16

Out: -0.016+/-0.043 χ^2/NDF:27.7/19

All: 0.021+/-0.031 χ^2/NDF: 43.4/36



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 275.400+/-0.160 χ^2/NDF:149064.3/1

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 174.576+/-0.142 χ^2/NDF:0.0/0

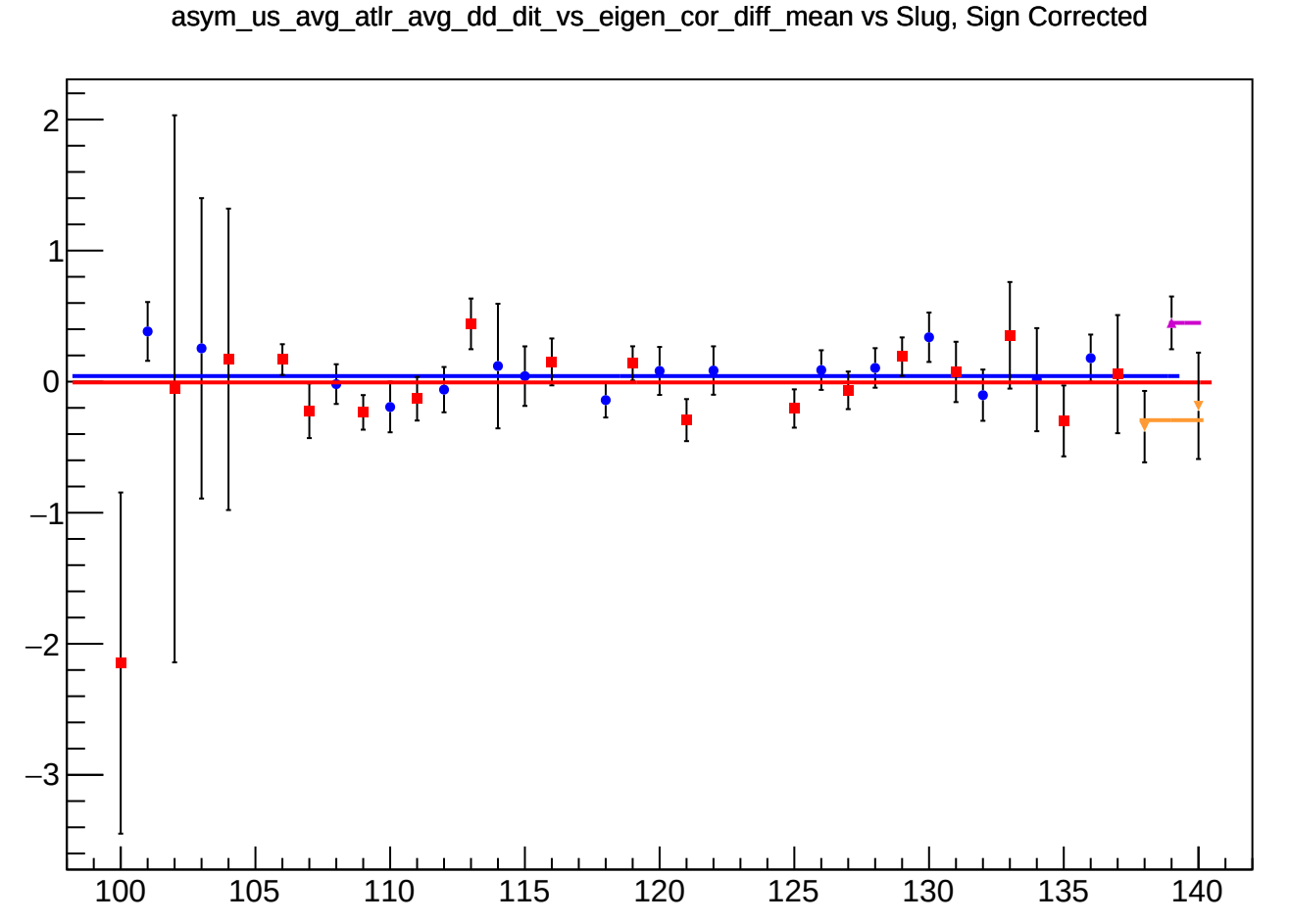
Left: 219.143+/-0.106 χ^2/NDF: 370887.6/2

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 119.883+/-0.033 χ^2/NDF:1776688.1/16

Out: 106.750+/-0.030 χ^2/NDF:3966495.6/19

All: 112.785+/-0.022 χ^2/NDF: 5830523.8/36



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.294+/-0.226 χ^2/NDF:0.1/1

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.448+/-0.201 χ^2/NDF:0.0/0

Left: 0.120+/-0.150 χ^2/NDF: 6.1/2

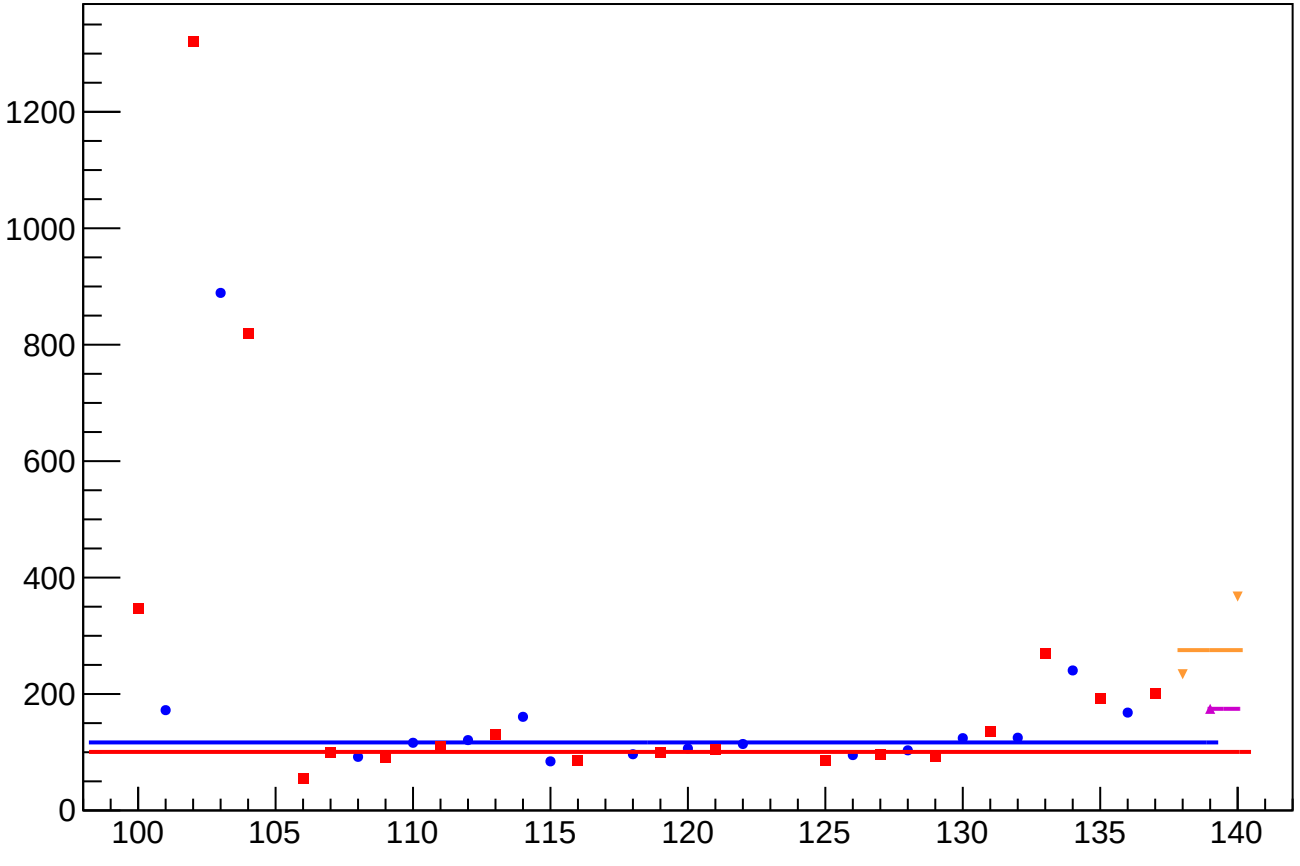
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.064+/-0.046 χ^2/NDF:14.1/16

Out: -0.016+/-0.043 χ^2/NDF:27.7/19

All: 0.021+/-0.031 χ^2/NDF: 43.4/36

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 275.400+/-0.160 χ^2/NDF:149064.3/1

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 174.576+/-0.142 χ^2/NDF:0.0/0

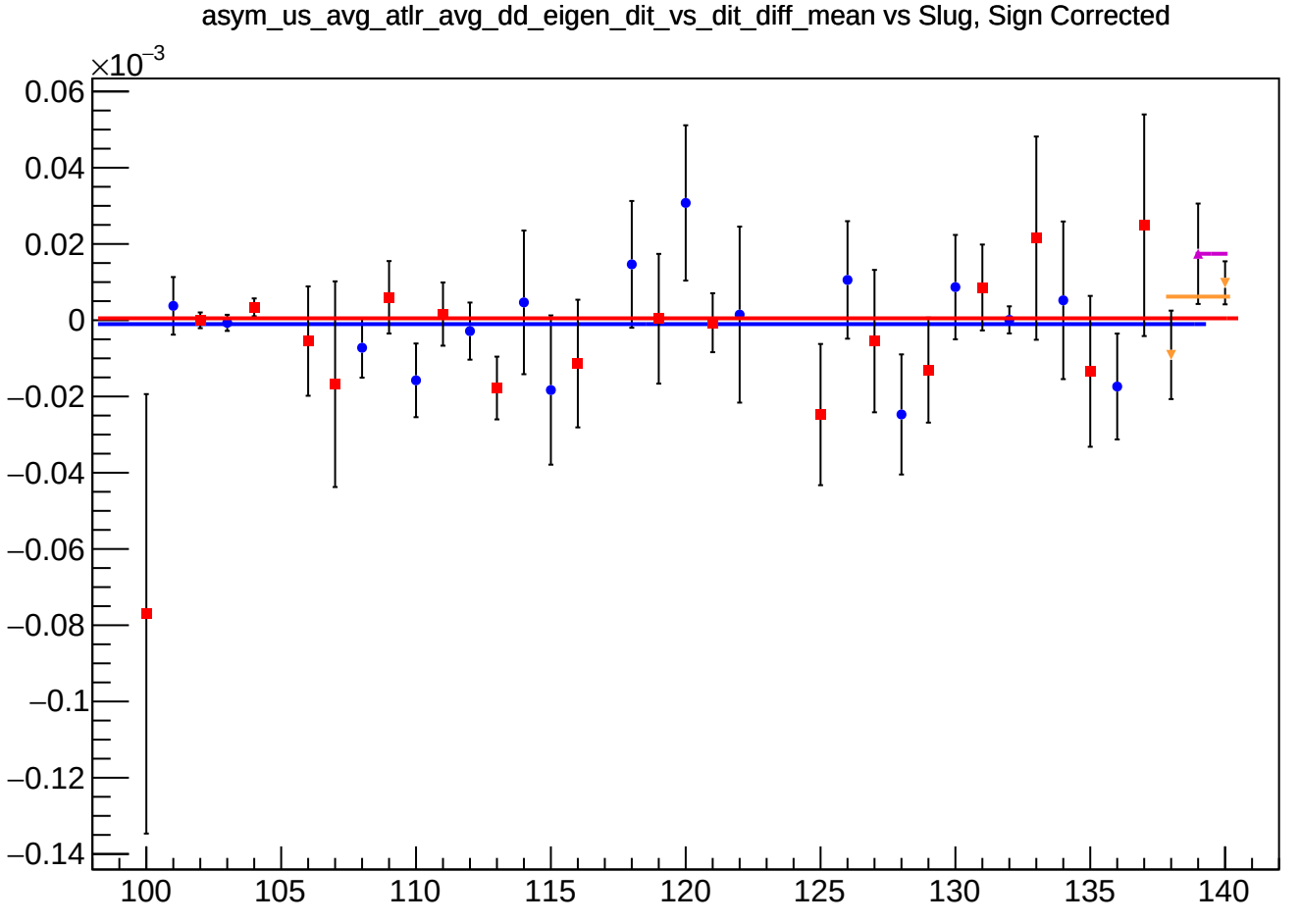
Left: 219.143+/-0.106 χ^2/NDF: 370887.6/2

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 119.883+/-0.033 χ^2/NDF:1776688.1/16

Out: 106.750+/-0.030 χ^2/NDF:3966495.6/19

All: 112.785+/-0.022 χ^2/NDF: 5830523.8/36



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 2.8/2

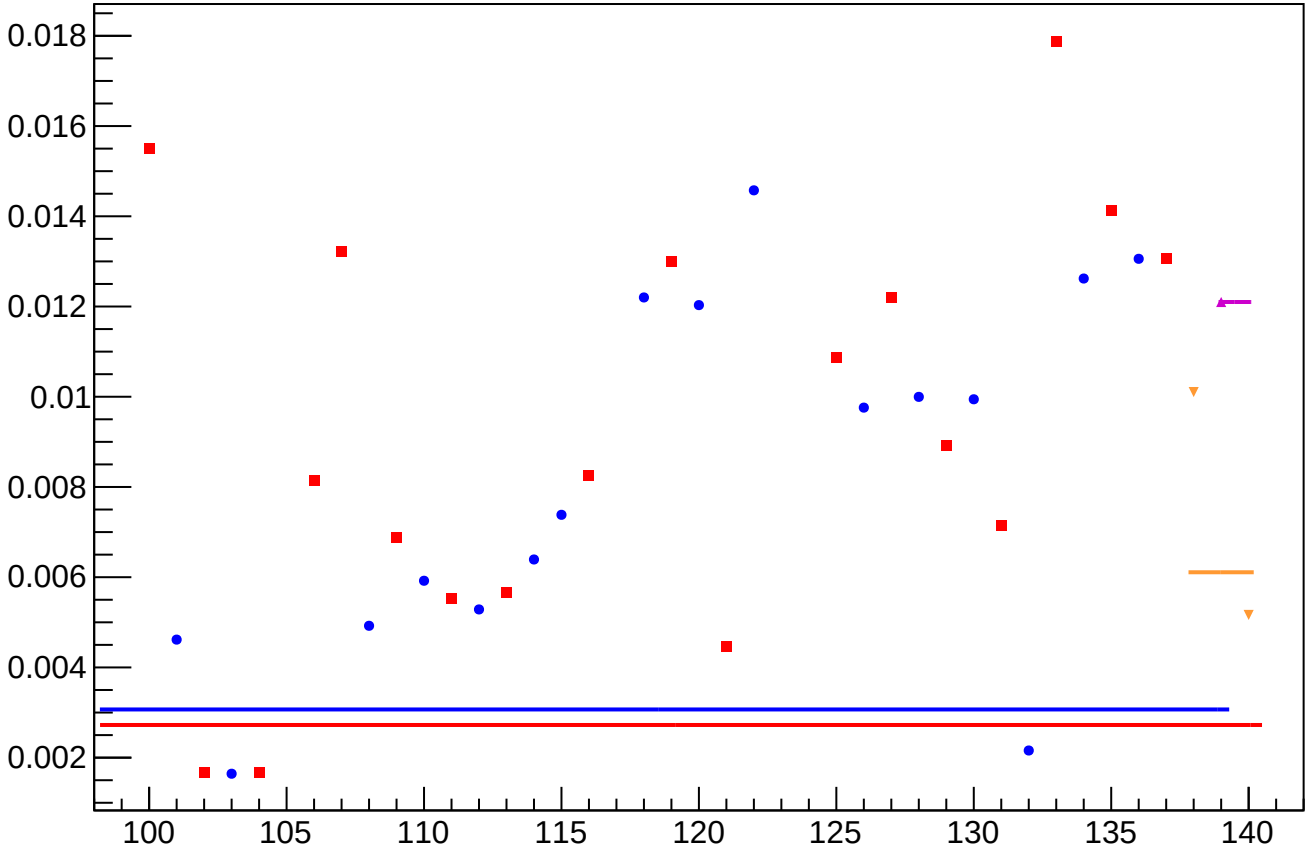
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:14.5/16

Out: 0.000+/-0.000 χ^2/NDF:18.4/19

All: 0.000+/-0.000 χ^2/NDF: 33.5/36

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:293320.6/1

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.012+/-0.000 χ^2/NDF:0.0/0

Left: 0.007+/-0.000 χ^2/NDF: 653793.8/2

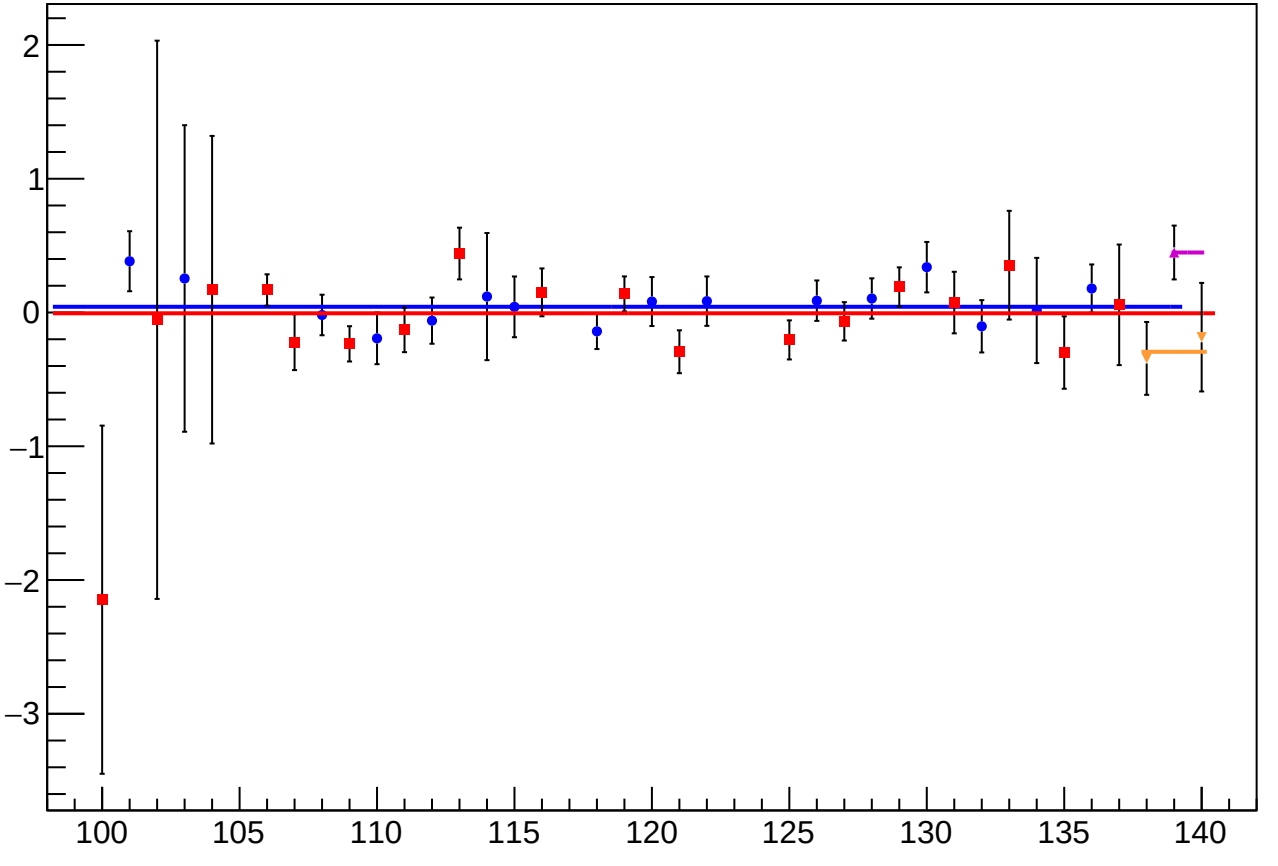
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.003+/-0.000 χ^2/NDF:6891993.4/16

Out: 0.003+/-0.000 χ^2/NDF:7834037.7/19

All: 0.003+/-0.000 χ^2/NDF: 14751706.1/36

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.294+/-0.226 χ^2/NDF:0.1/1

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.449+/-0.201 χ^2/NDF:0.0/0

Left: 0.120+/-0.150 χ^2/NDF: 6.1/2

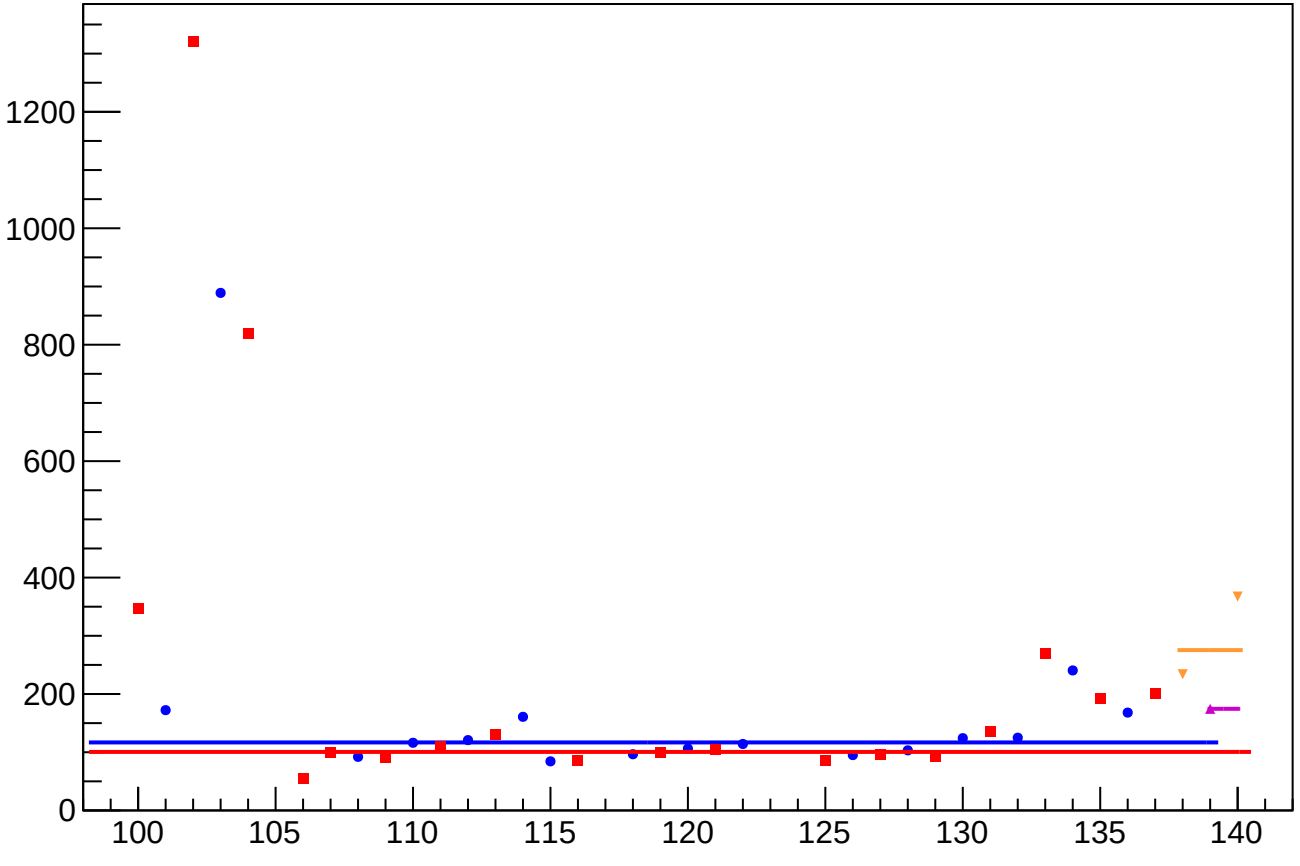
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.064+/-0.046 χ^2/NDF:14.1/16

Out: -0.016+/-0.043 χ^2/NDF:27.7/19

All: 0.021+/-0.031 χ^2/NDF: 43.4/36

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 275.403+/-0.160 χ^2/NDF:149058.6/1

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 174.580+/-0.142 χ^2/NDF:0.0/0

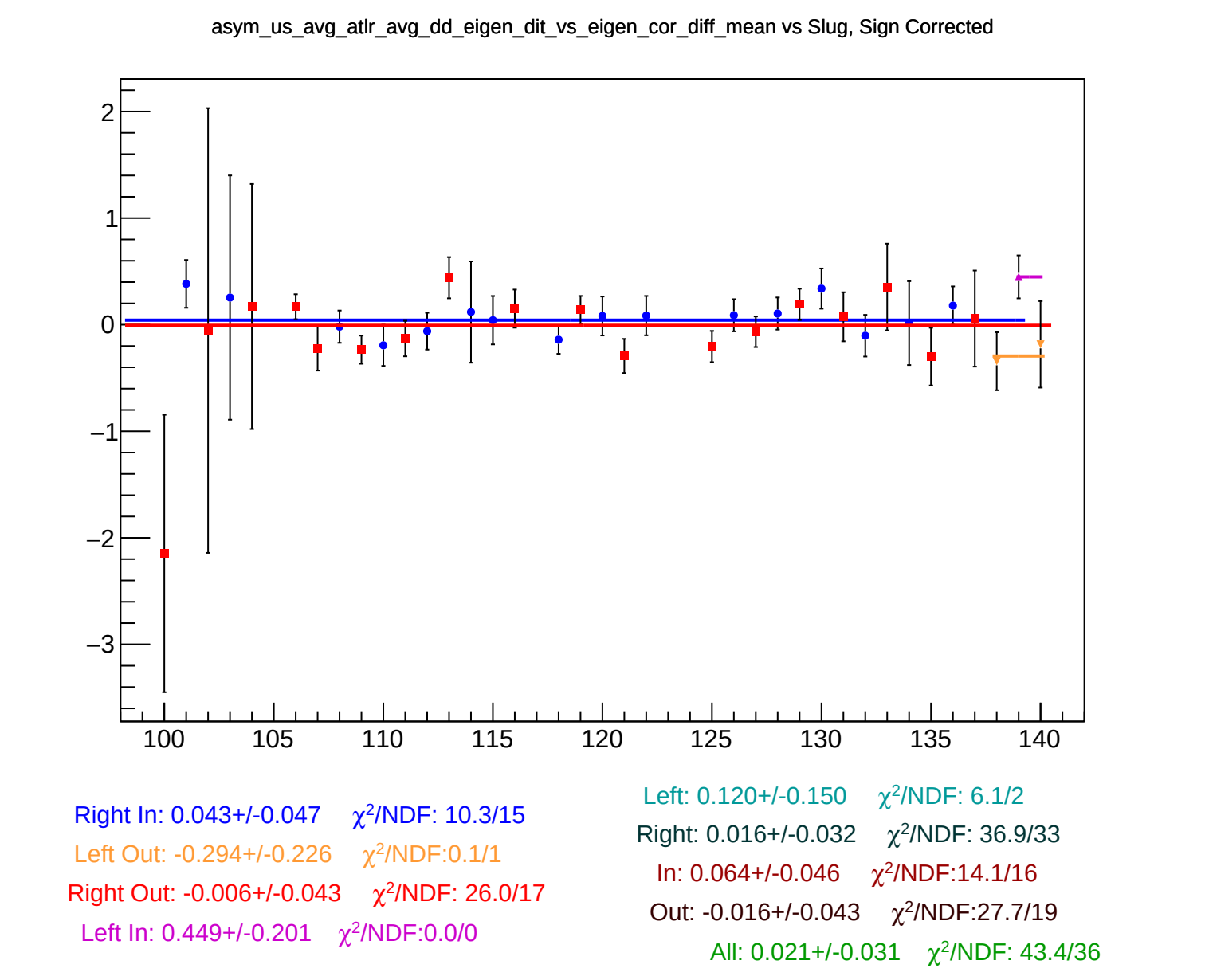
Left: 219.148+/-0.106 χ^2/NDF: 370868.5/2

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

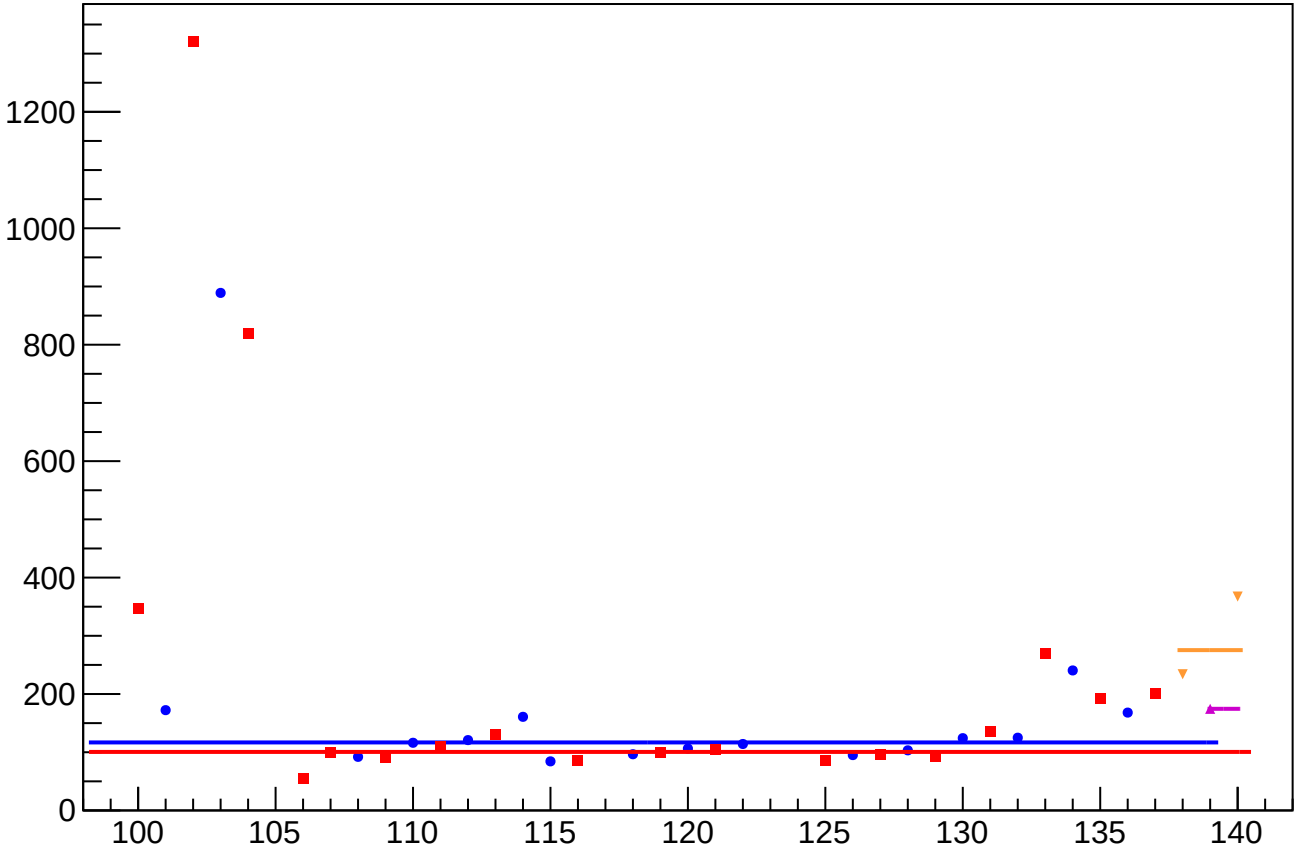
In: 119.883+/-0.033 χ^2/NDF:1776707.3/16

Out: 106.749+/-0.030 χ^2/NDF:3966601.3/19

All: 112.785+/-0.022 χ^2/NDF: 5830662.4/36


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.294+/-0.226 χ²/NDF:0.1/1
Right Out: -0.006+/-0.043 χ²/NDF: 26.0/17
Left In: 0.449+/-0.201 χ²/NDF:0.0/0
Left: 0.120+/-0.150 χ²/NDF: 6.1/2
Right: 0.016+/-0.032 χ²/NDF: 36.9/33
In: 0.064+/-0.046 χ²/NDF:14.1/16
Out: -0.016+/-0.043 χ²/NDF:27.7/19
All: 0.021+/-0.031 χ²/NDF: 43.4/36

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 275.403+/-0.160 χ^2/NDF:149058.6/1

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 174.580+/-0.142 χ^2/NDF:0.0/0

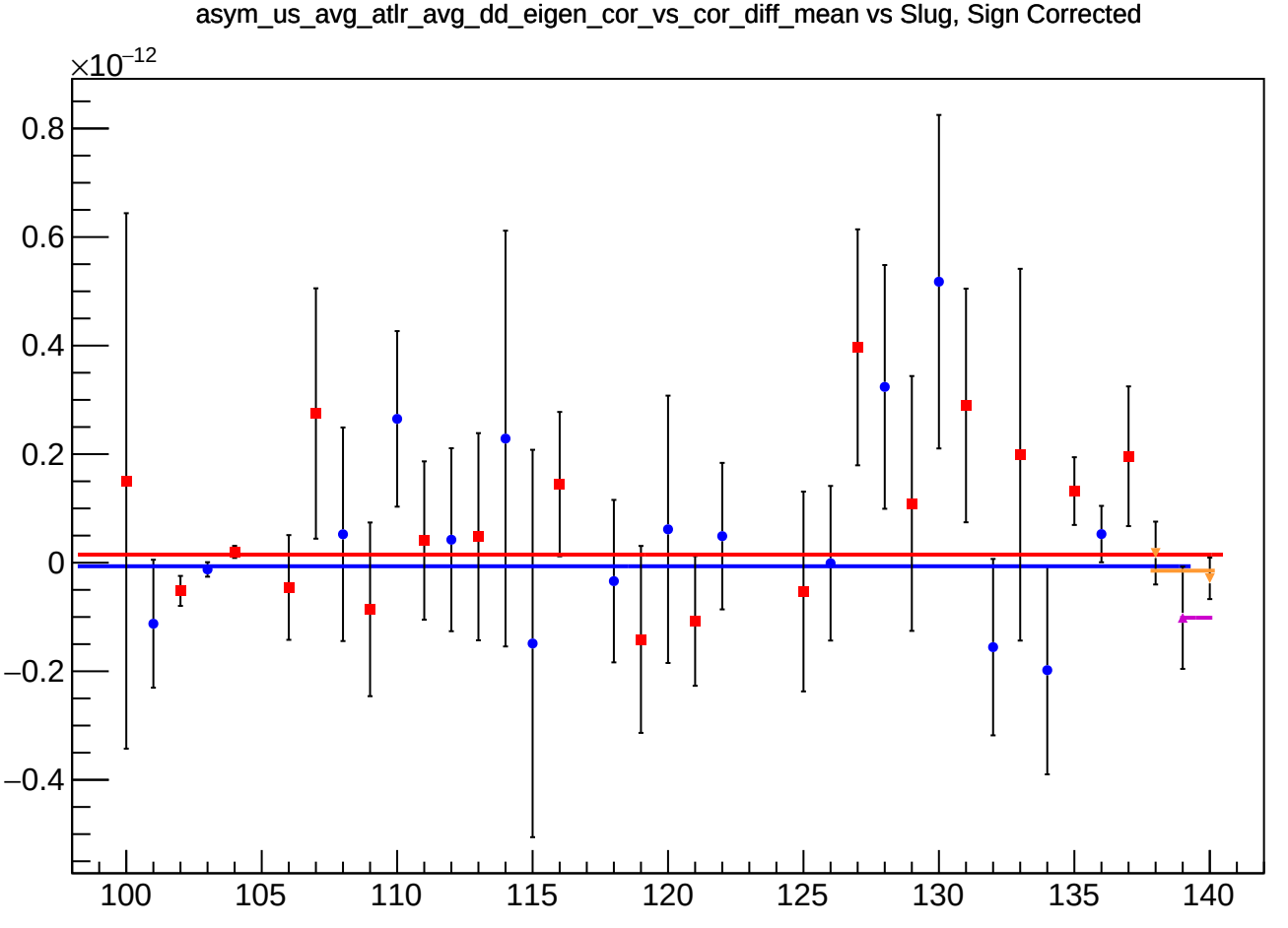
Left: 219.148+/-0.106 χ^2/NDF: 370868.5/2

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 119.883+/-0.033 χ^2/NDF:1776707.3/16

Out: 106.749+/-0.030 χ^2/NDF:3966601.3/19

All: 112.785+/-0.022 χ^2/NDF: 5830662.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

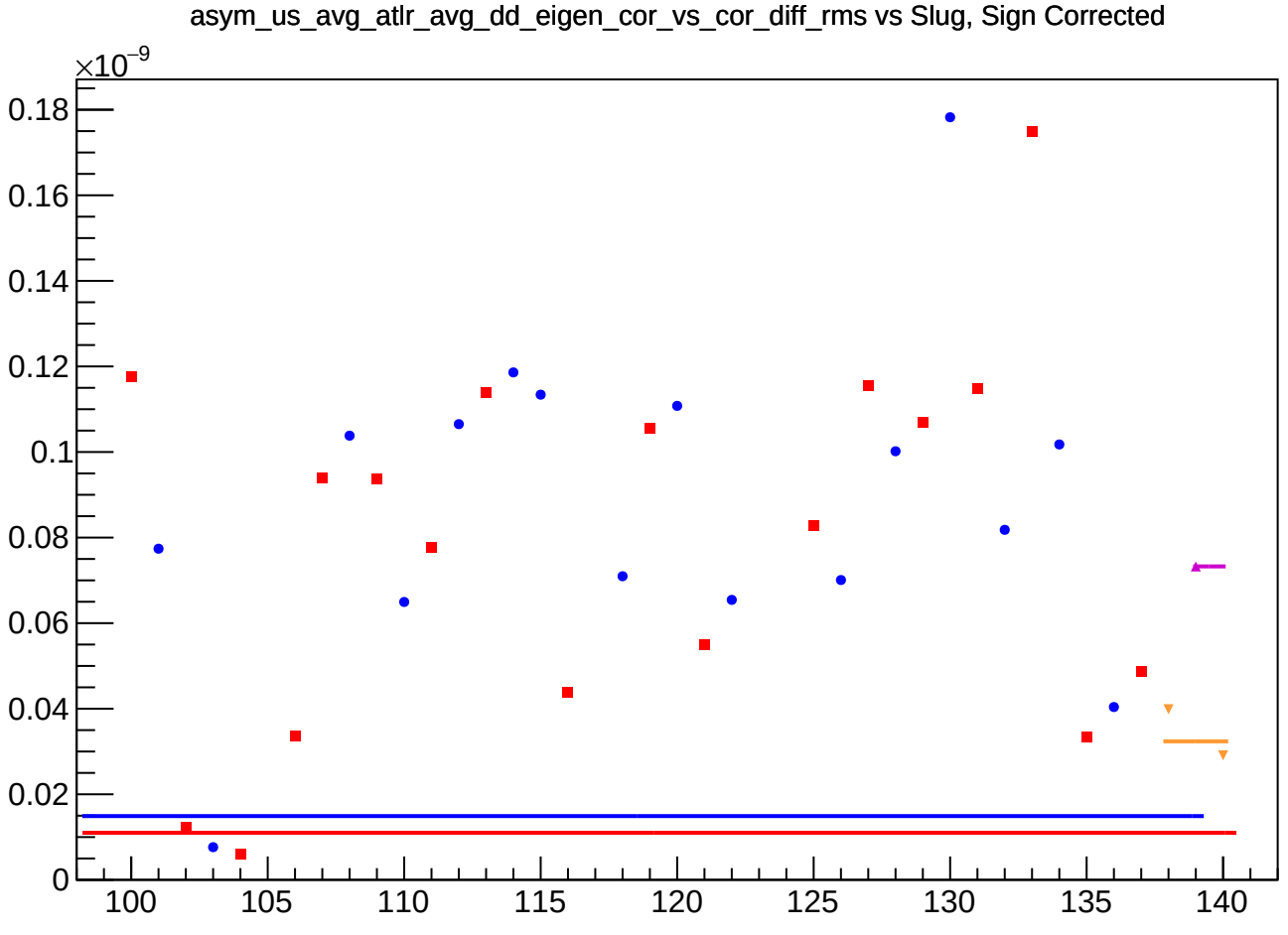
Left: -0.000+/-0.000 χ^2/NDF: 1.2/2

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: -0.000+/-0.000 χ^2/NDF:14.0/16

Out: 0.000+/-0.000 χ^2/NDF:23.1/19

All: 0.000+/-0.000 χ^2/NDF: 38.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:48175.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

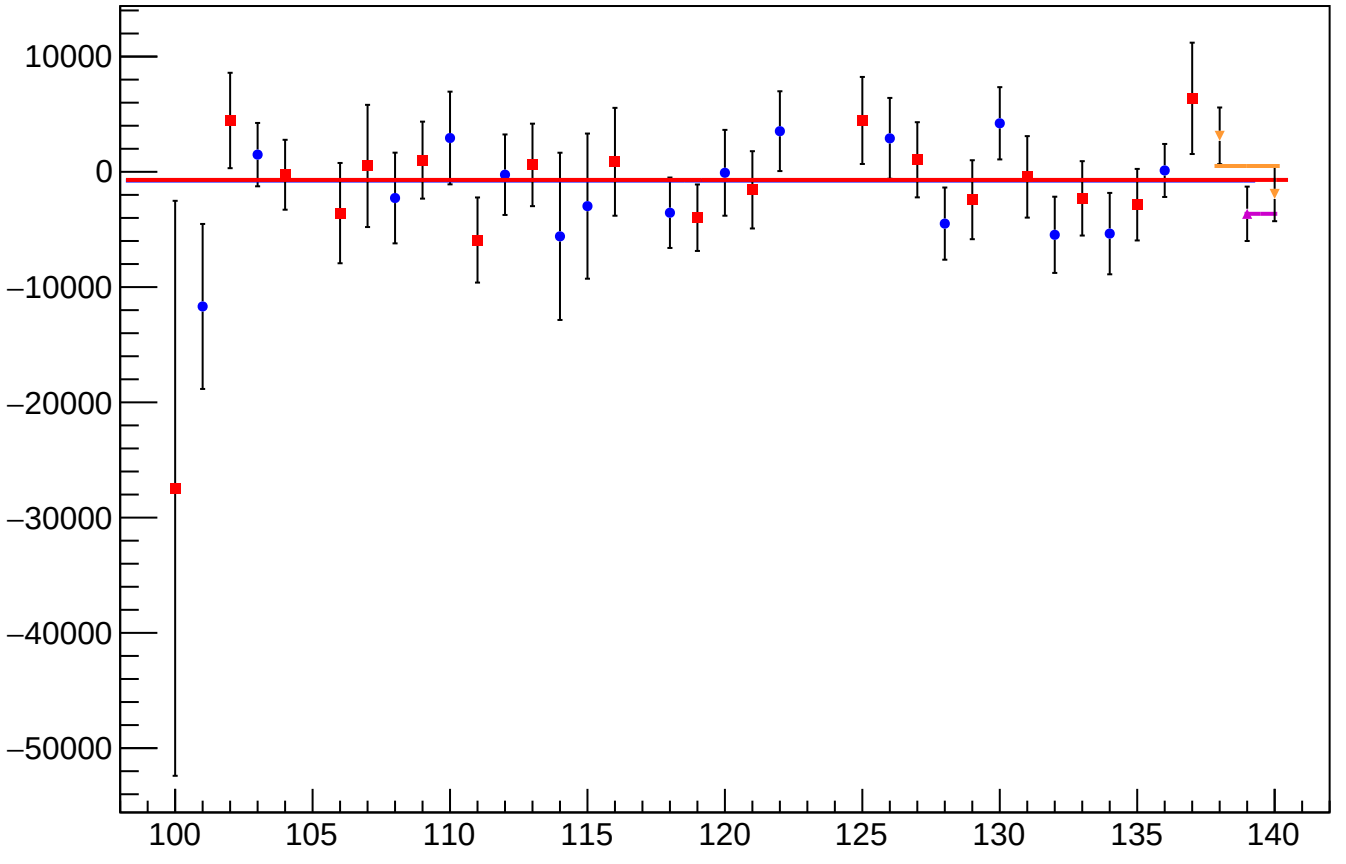
Left: 0.000+/-0.000 χ^2/NDF: 386170.8/2

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:6647279.9/16

Out: 0.000+/-0.000 χ^2/NDF:6735080.3/19

All: 0.000+/-0.000 χ^2/NDF: 13458530.7/36



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: 505.533+/-1704.969 χ^2/NDF:2.2/1

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -3642.221+/-2359.429 χ^2/NDF:0.0/0

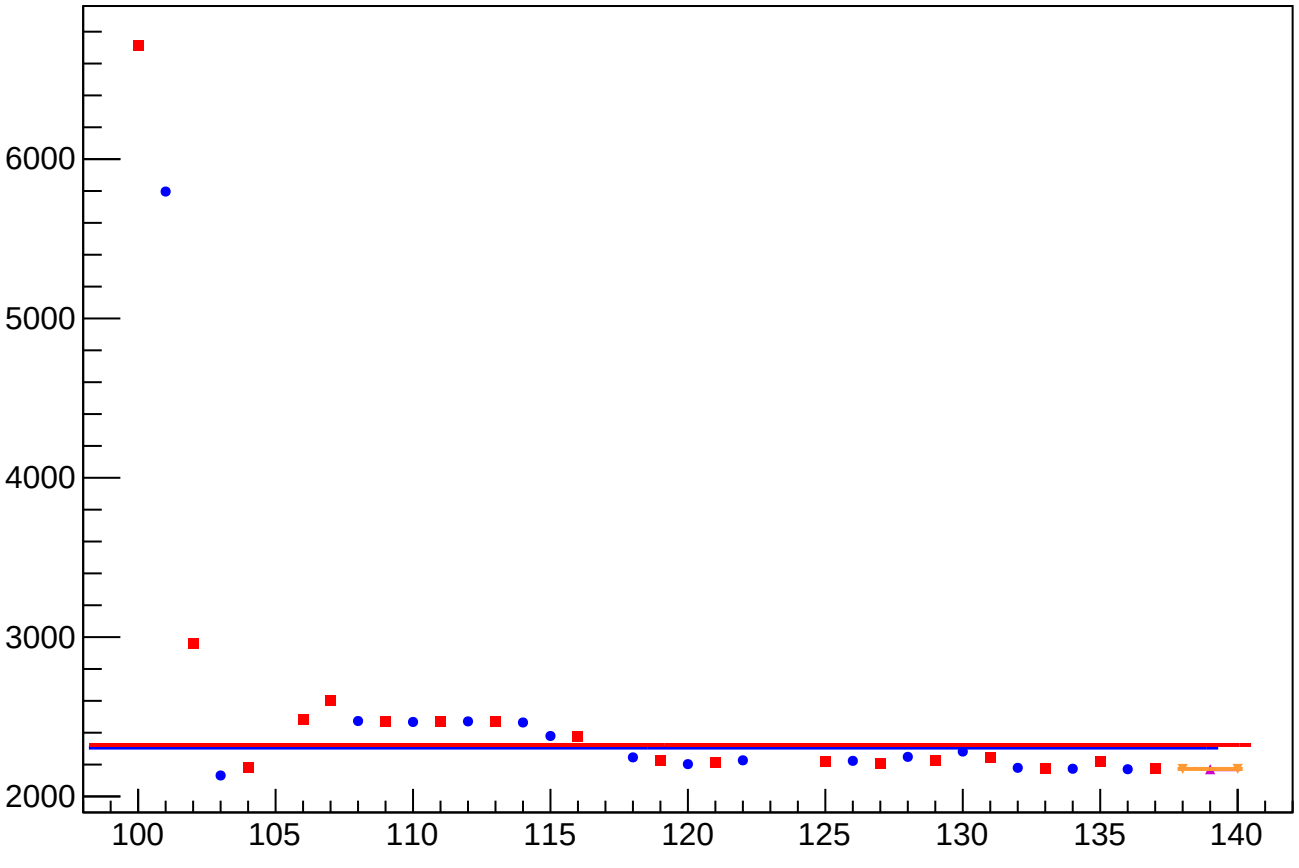
Left: -917.342+/-1381.923 χ^2/NDF: 4.2/2

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -1101.806+/-818.465 χ^2/NDF:17.2/16

Out: -453.311+/-773.984 χ^2/NDF:14.9/19

All: -759.459+/-562.357 χ^2/NDF: 32.5/36



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2172.587+/-1.206 χ^2/NDF:0.0/1

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2170.960+/-1.668 χ^2/NDF:0.0/0

Left: 2172.029+/-0.977 χ^2/NDF: 0.6/2

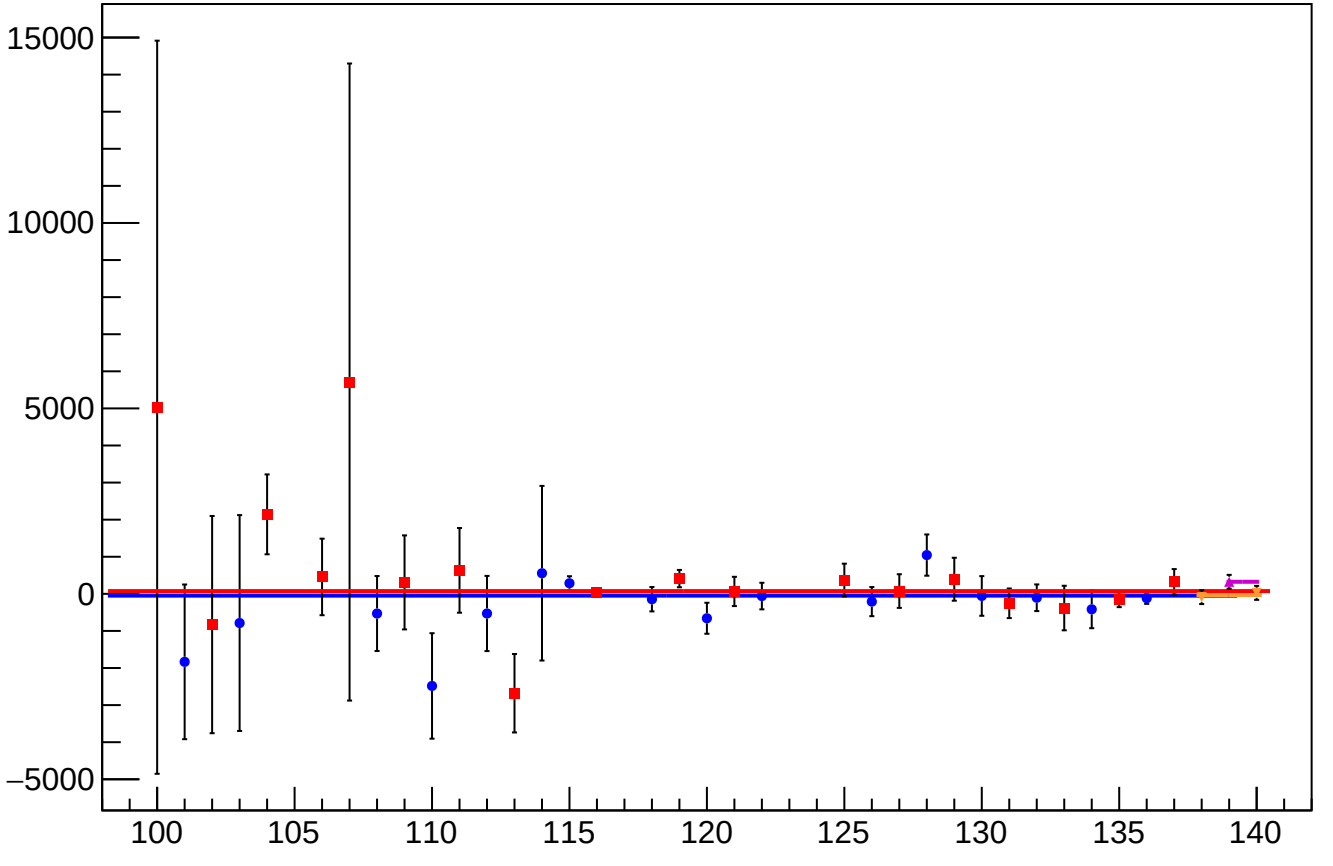
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2290.316+/-0.579 χ^2/NDF:519968.4/16

Out: 2292.012+/-0.547 χ^2/NDF:164146.7/19

All: 2291.211+/-0.398 χ^2/NDF: 684119.7/36

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -31.331+/-133.036 χ^2/NDF:0.2/1

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 325.336+/-186.628 χ^2/NDF:0.0/0

Left: 88.842+/-108.330 χ^2/NDF: 2.6/2

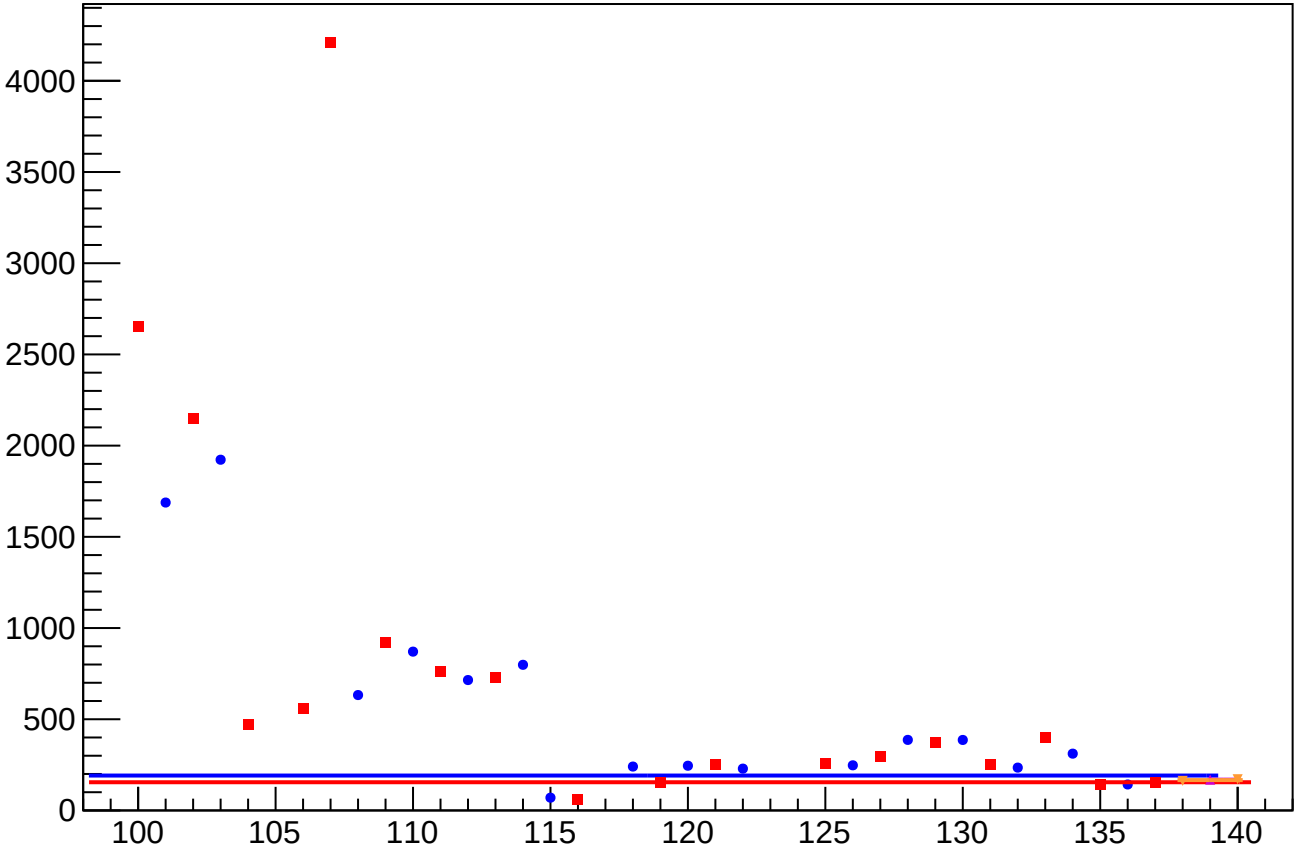
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 23.662+/-81.732 χ^2/NDF:17.6/16

Out: 44.948+/-70.041 χ^2/NDF:18.3/19

All: 35.935+/-53.184 χ^2/NDF: 35.9/36

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 166.452+/-0.094 χ^2/NDF:2300.3/1

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 168.863+/-0.132 χ^2/NDF:0.0/0

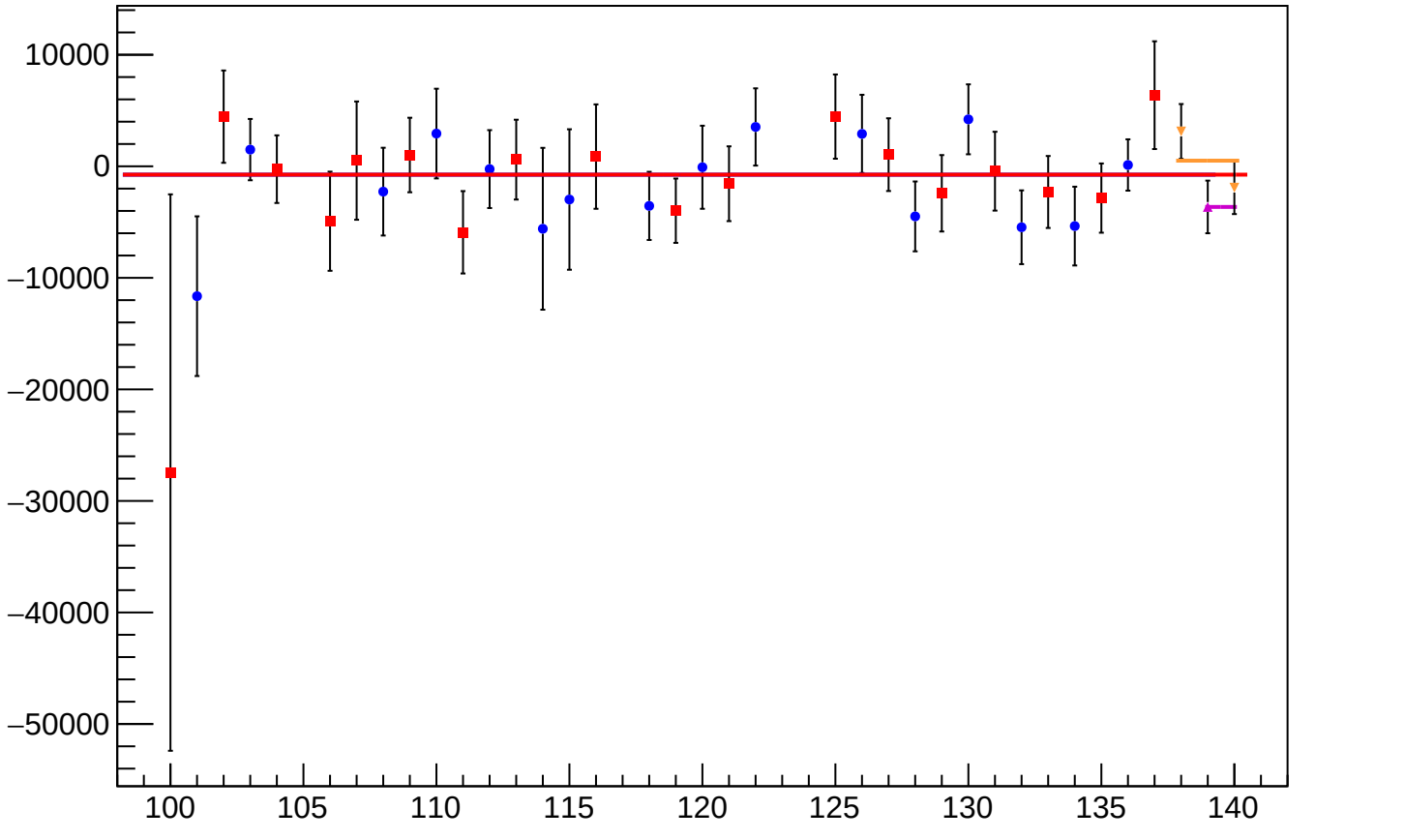
Left: 167.264+/-0.077 χ^2/NDF: 2521.6/2

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 187.062+/-0.058 χ^2/NDF:5088279.3/16

Out: 157.941+/-0.050 χ^2/NDF:6167912.0/19

All: 170.271+/-0.038 χ^2/NDF: 11402583.4/36



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: 505.592+/-1704.970 χ^2/NDF:2.2/1

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -3642.338+/-2359.429 χ^2/NDF:0.0/0

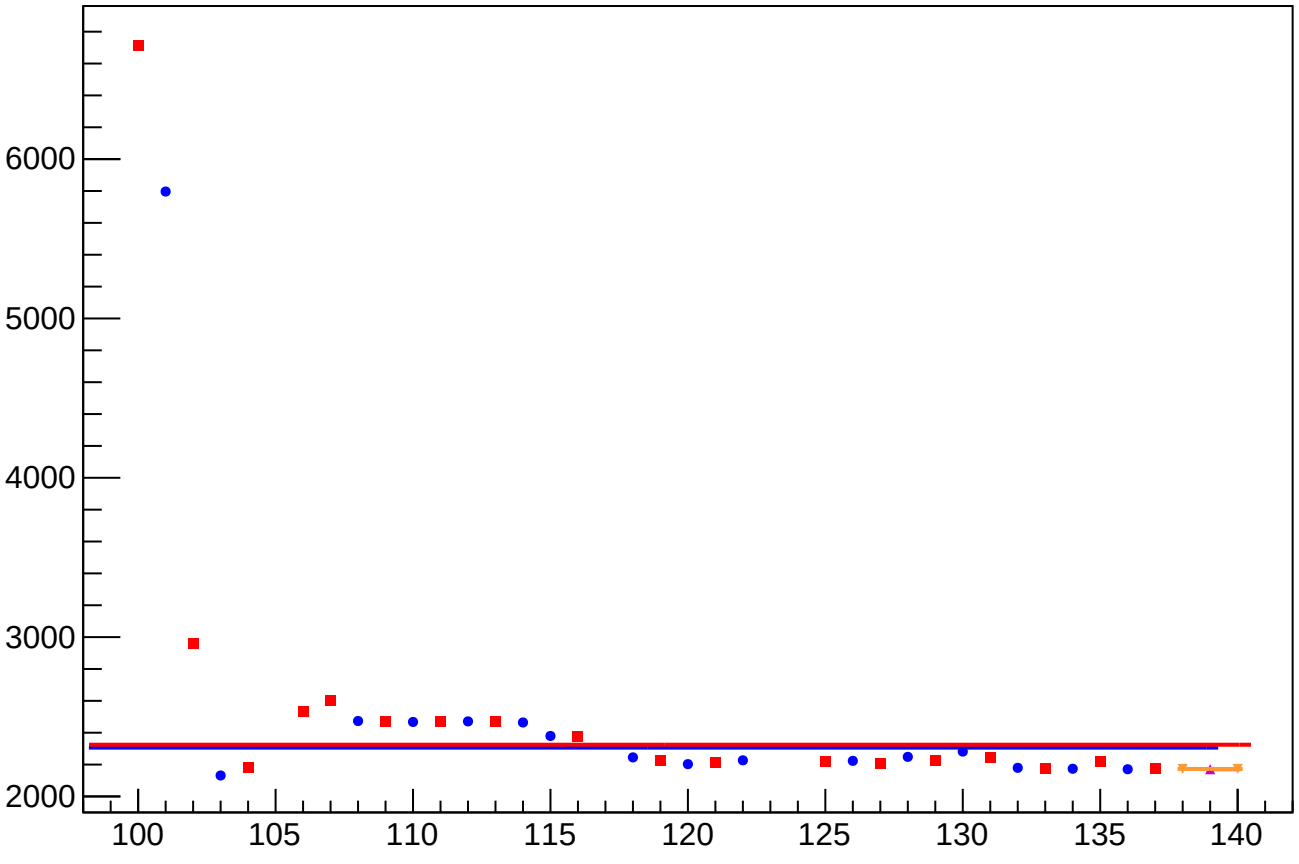
Left: -917.343+/-1381.923 χ^2/NDF: 4.2/2

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1100.967+/-818.465 χ^2/NDF:17.2/16

Out: -490.368+/-774.493 χ^2/NDF:15.4/19

All: -778.825+/-562.552 χ^2/NDF: 32.9/36



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2172.587+/-1.206 χ^2/NDF:0.0/1

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2170.960+/-1.668 χ^2/NDF:0.0/0

Left: 2172.029+/-0.977 χ^2/NDF: 0.6/2

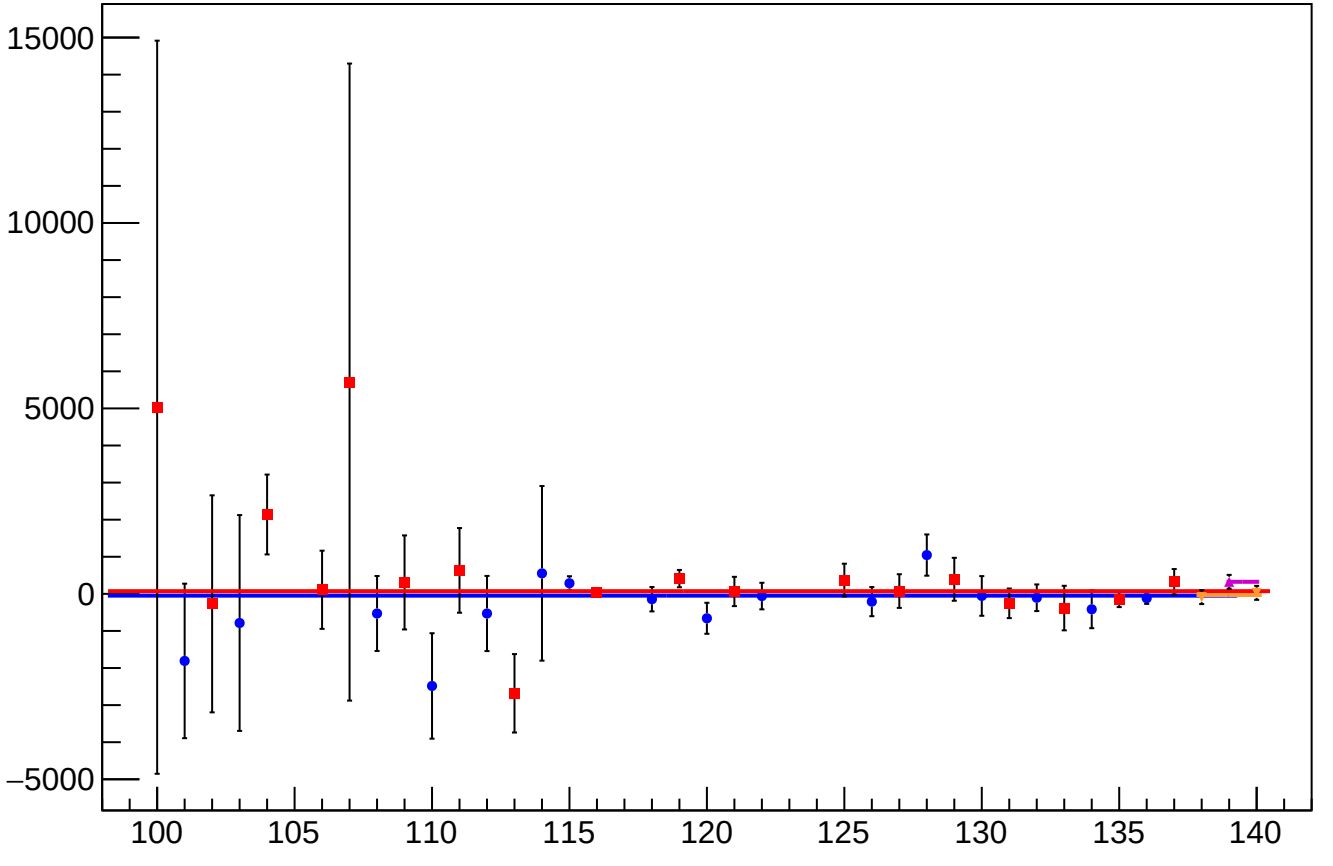
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2290.316+/-0.579 χ^2/NDF:519968.8/16

Out: 2293.300+/-0.548 χ^2/NDF:166210.5/19

All: 2291.890+/-0.398 χ^2/NDF: 686193.3/36

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -31.115+/-133.030 χ^2/NDF:0.2/1

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 325.218+/-186.640 χ^2/NDF:0.0/0

Left: 88.928+/-108.329 χ^2/NDF: 2.6/2

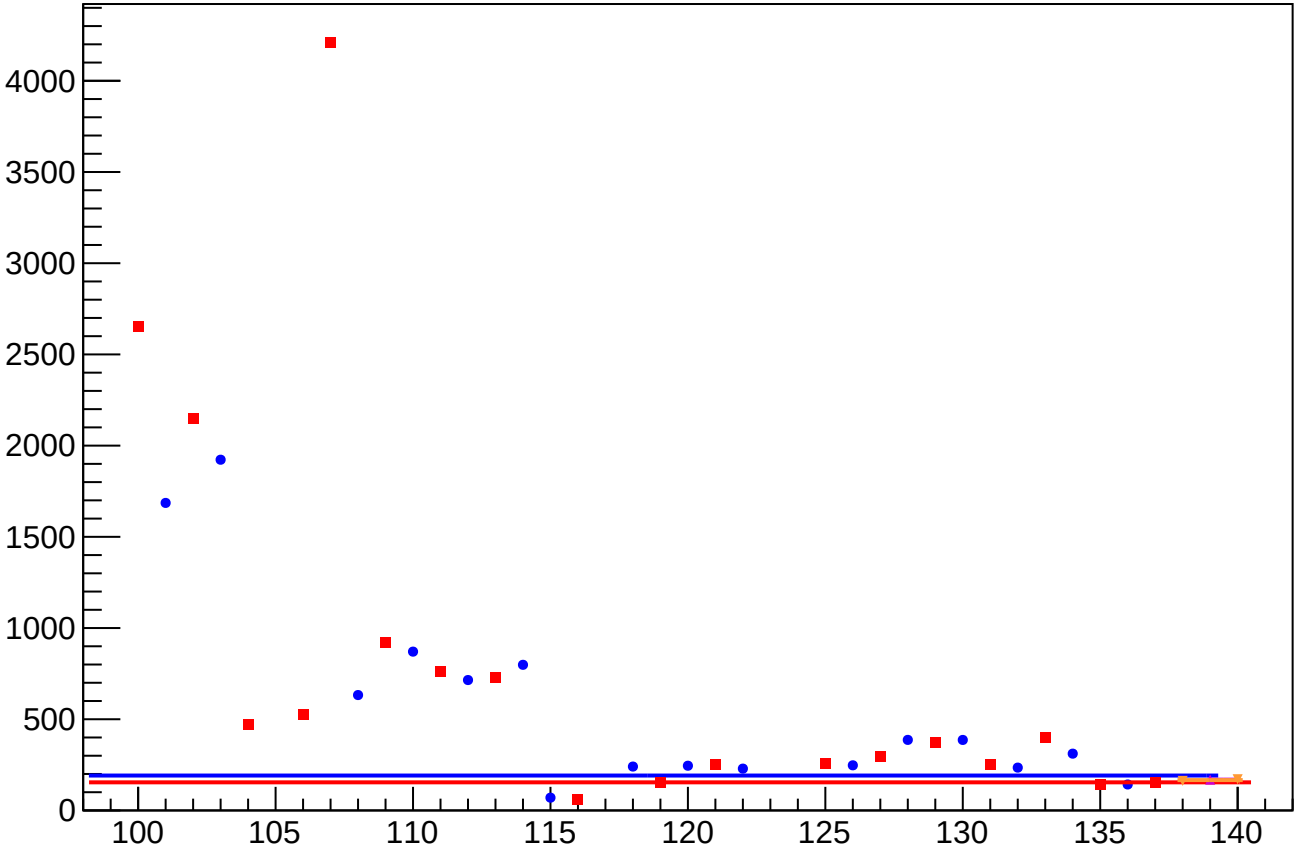
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 23.613+/-81.737 χ^2/NDF:17.6/16

Out: 43.590+/-70.003 χ^2/NDF:18.0/19

All: 35.137+/-53.169 χ^2/NDF: 35.7/36

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 166.444+/-0.094 χ^2/NDF:2299.3/1

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 168.873+/-0.132 χ^2/NDF:0.0/0

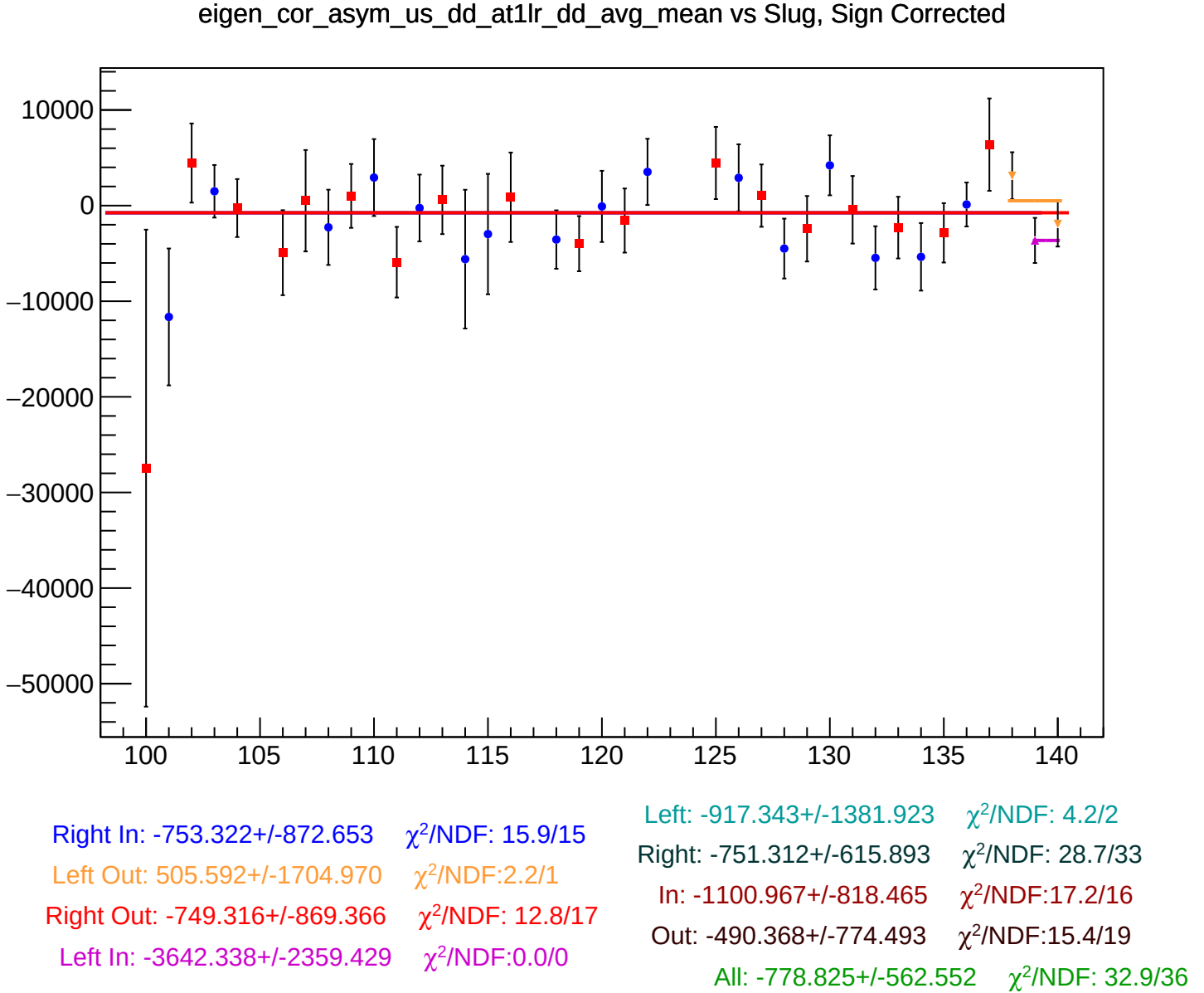
Left: 167.262+/-0.077 χ^2/NDF: 2523.9/2

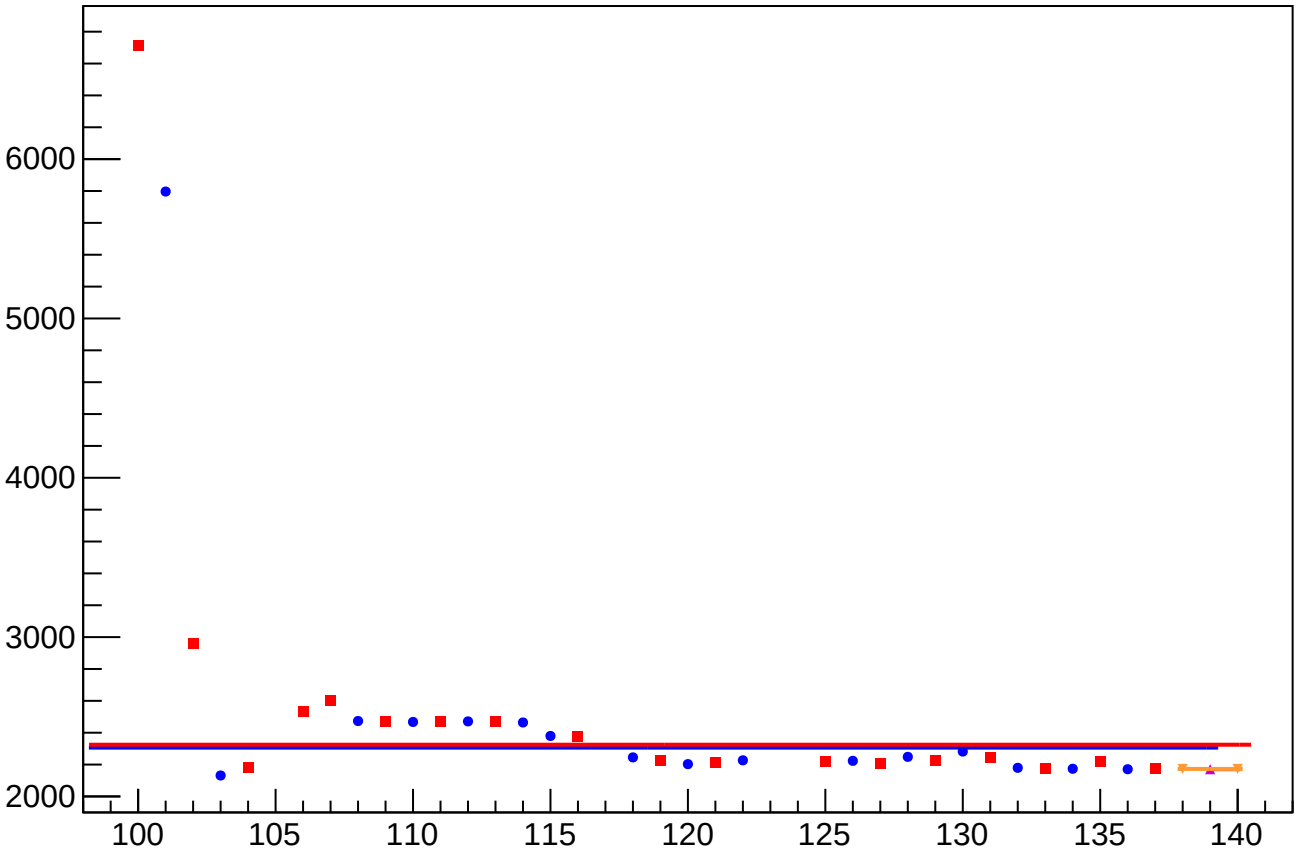
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 187.083+/-0.058 χ^2/NDF:5087162.6/16

Out: 157.533+/-0.049 χ^2/NDF:6123373.9/19

All: 170.037+/-0.038 χ^2/NDF: 11361332.0/36


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
Right In: -753.322+/-872.653 χ²/NDF: 15.9/15
Left Out: 505.592+/-1704.970 χ²/NDF:2.2/1
Right Out: -749.316+/-869.366 χ²/NDF: 12.8/17
Left In: -3642.338+/-2359.429 χ²/NDF:0.0/0
Left: -917.343+/-1381.923 χ²/NDF: 4.2/2
Right: -751.312+/-615.893 χ²/NDF: 28.7/33
In: -1100.967+/-818.465 χ²/NDF:17.2/16
Out: -490.368+/-774.493 χ²/NDF:15.4/19
All: -778.825+/-562.552 χ²/NDF: 32.9/36



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2172.587+/-1.206 χ^2/NDF:0.0/1

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2170.960+/-1.668 χ^2/NDF:0.0/0

Left: 2172.029+/-0.977 χ^2/NDF: 0.6/2

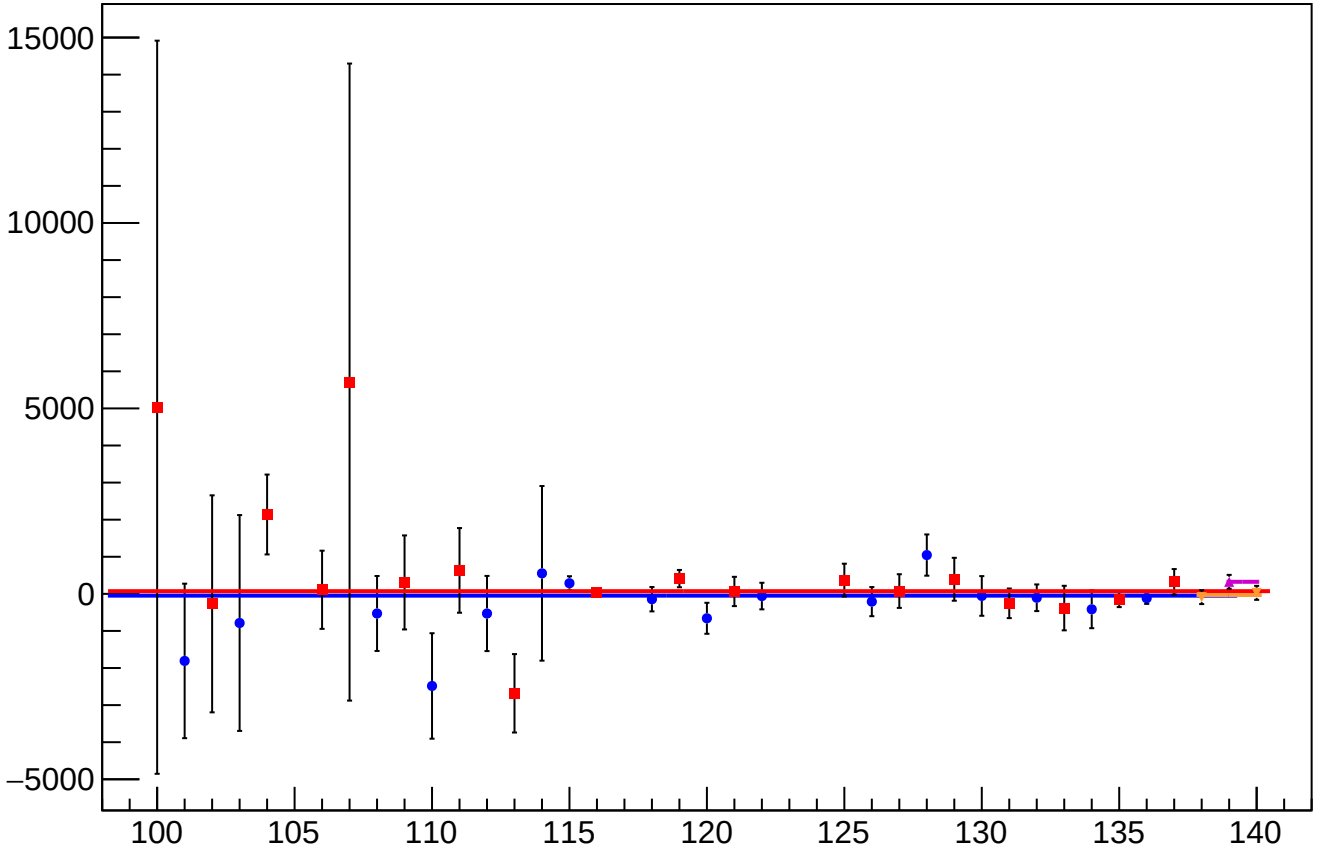
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2290.316+/-0.579 χ^2/NDF:519968.8/16

Out: 2293.300+/-0.548 χ^2/NDF:166210.5/19

All: 2291.890+/-0.398 χ^2/NDF: 686193.3/36

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -31.115+/-133.030 χ^2/NDF:0.2/1

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 325.218+/-186.640 χ^2/NDF:0.0/0

Left: 88.928+/-108.329 χ^2/NDF: 2.6/2

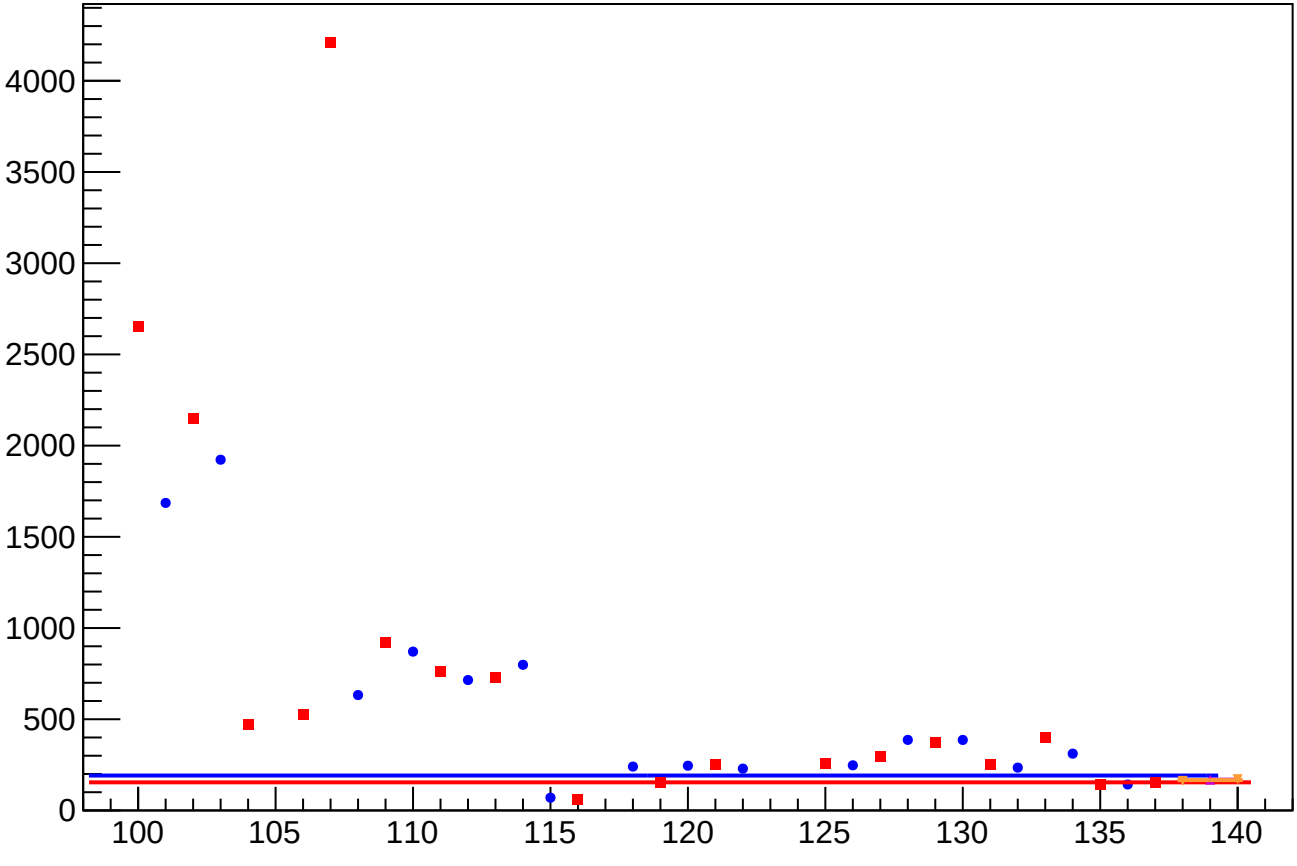
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 23.613+/-81.737 χ^2/NDF:17.6/16

Out: 43.590+/-70.003 χ^2/NDF:18.0/19

All: 35.137+/-53.169 χ^2/NDF: 35.7/36

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 166.444+/-0.094 χ^2/NDF:2299.3/1

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 168.873+/-0.132 χ^2/NDF:0.0/0

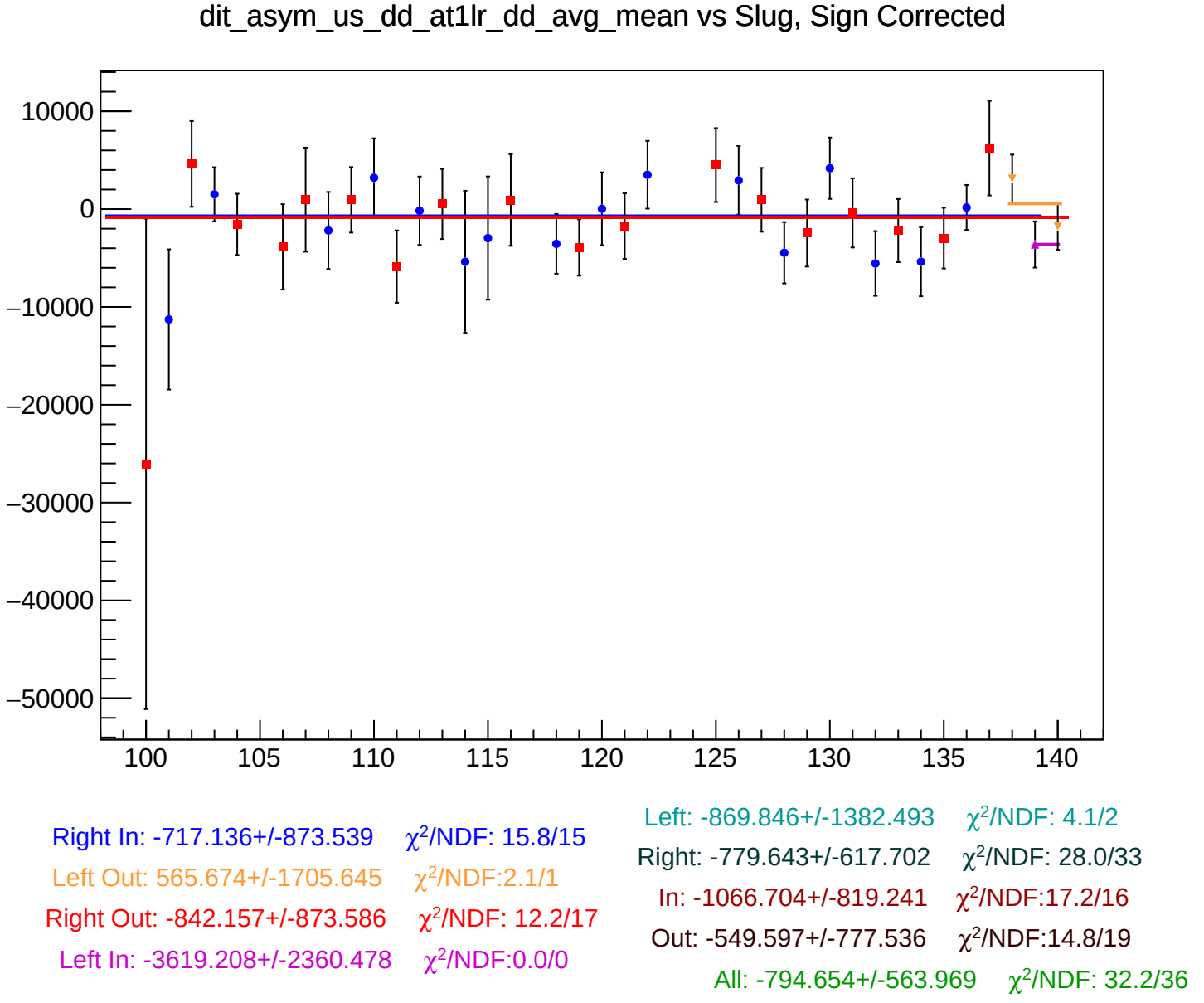
Left: 167.262+/-0.077 χ^2/NDF: 2523.9/2

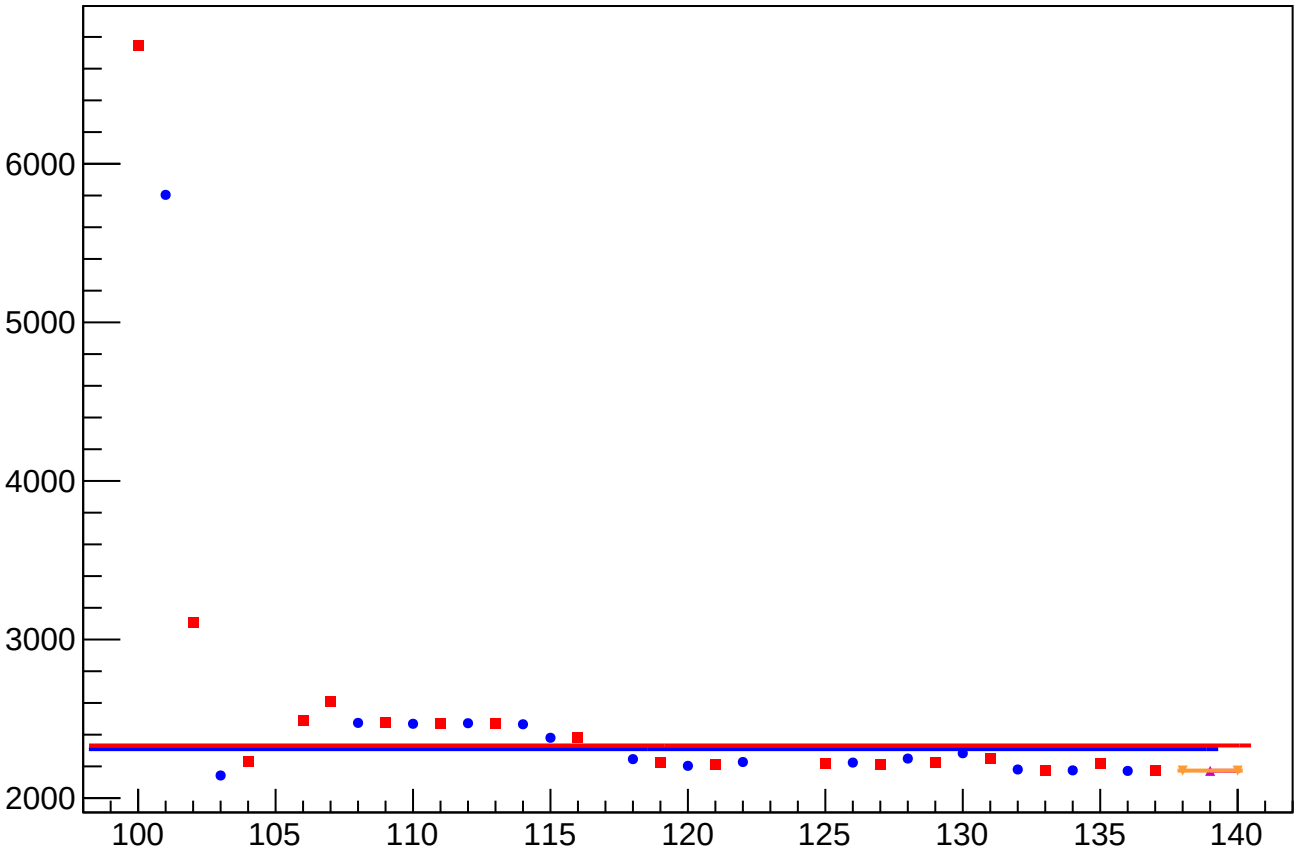
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 187.083+/-0.058 χ^2/NDF:5087162.6/16

Out: 157.533+/-0.049 χ^2/NDF:6123373.9/19

All: 170.037+/-0.038 χ^2/NDF: 11361332.0/36


dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
Right In: -717.136+/-873.539 χ²/NDF: 15.8/15
Left Out: 565.674+/-1705.645 χ²/NDF:2.1/1
Right Out: -842.157+/-873.586 χ²/NDF: 12.2/17
Left In: -3619.208+/-2360.478 χ²/NDF:0.0/0
Left: -869.846+/-1382.493 χ²/NDF: 4.1/2
Right: -779.643+/-617.702 χ²/NDF: 28.0/33
In: -1066.704+/-819.241 χ²/NDF:17.2/16
Out: -549.597+/-777.536 χ²/NDF:14.8/19
All: -794.654+/-563.969 χ²/NDF: 32.2/36



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2173.448+/-1.206 χ^2/NDF:0.0/1

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2171.924+/-1.669 χ^2/NDF:0.0/0

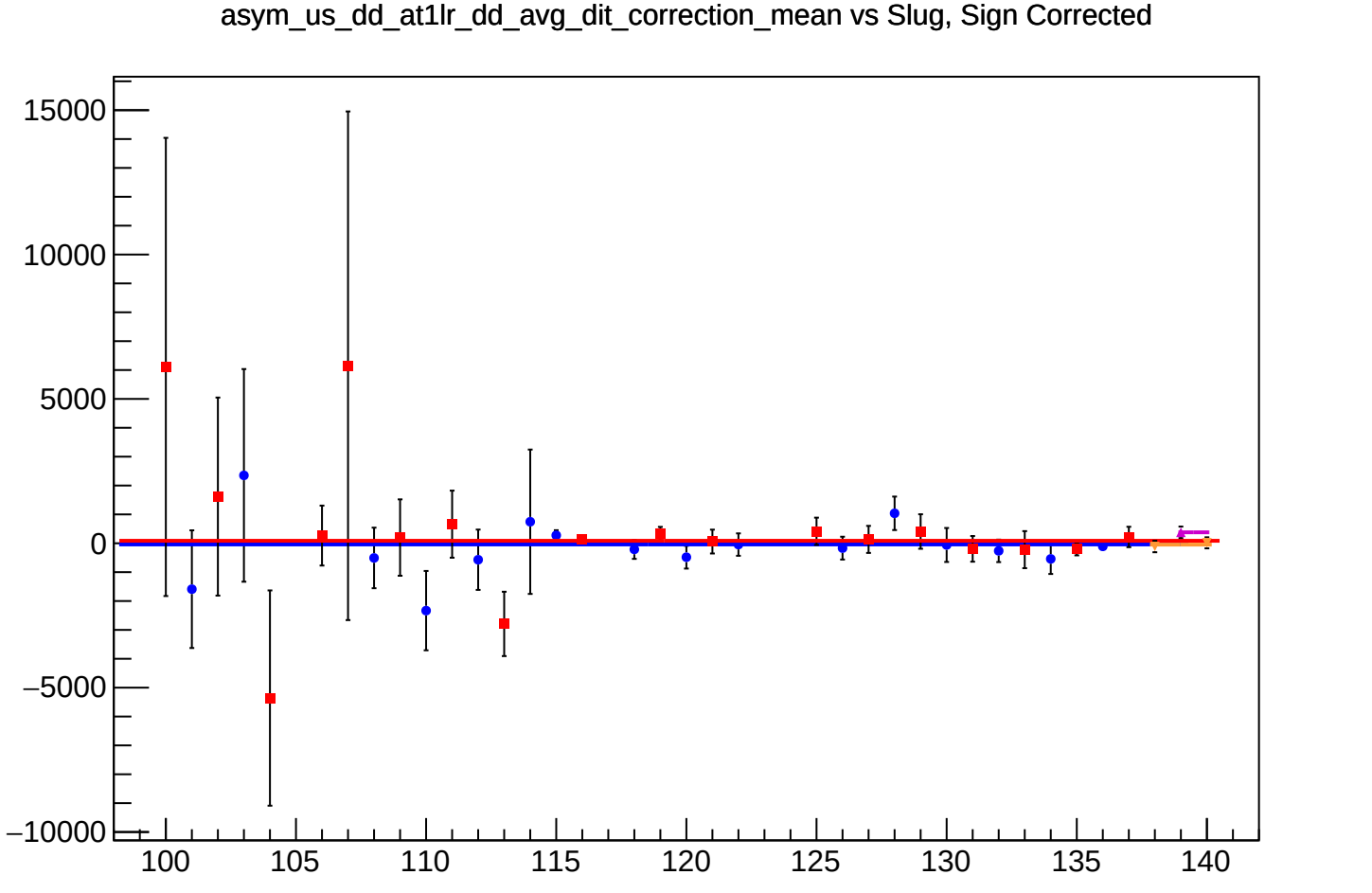
Left: 2172.926+/-0.978 χ^2/NDF: 0.5/2

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2292.259+/-0.579 χ^2/NDF:519651.8/16

Out: 2298.932+/-0.550 χ^2/NDF:180986.3/19

All: 2295.770+/-0.399 χ^2/NDF: 700707.9/36



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -45.653+/-138.037 χ^2/NDF:0.2/1

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 379.665+/-199.000 χ^2/NDF:0.0/0

Left: 92.513+/-113.422 χ^2/NDF: 3.3/2

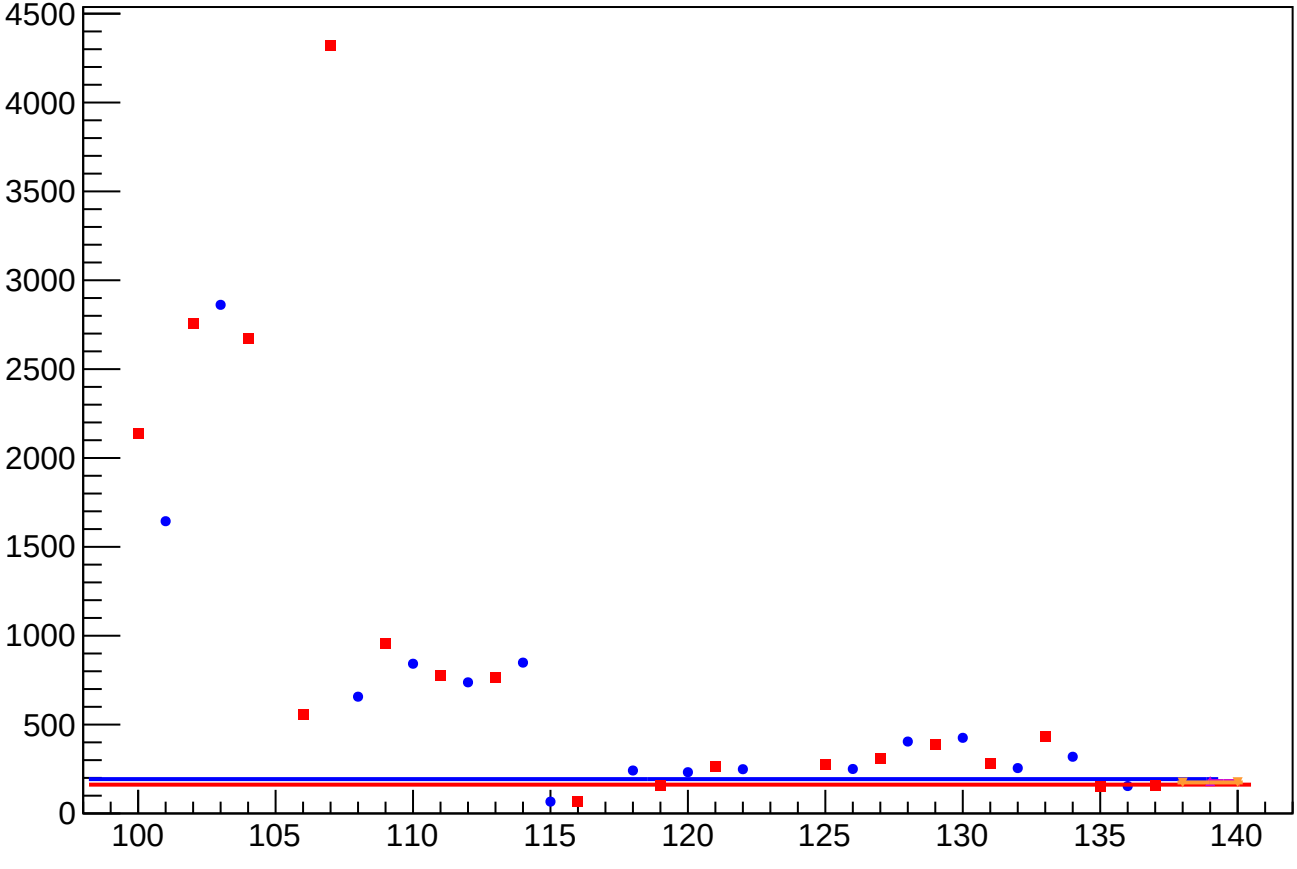
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 34.345+/-83.813 χ^2/NDF:17.7/16

Out: 49.406+/-73.046 χ^2/NDF:15.8/19

All: 42.904+/-55.067 χ^2/NDF: 33.6/36

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 174.530+/-0.098 χ^2/NDF:86.5/1

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 182.238+/-0.141 χ^2/NDF:0.0/0

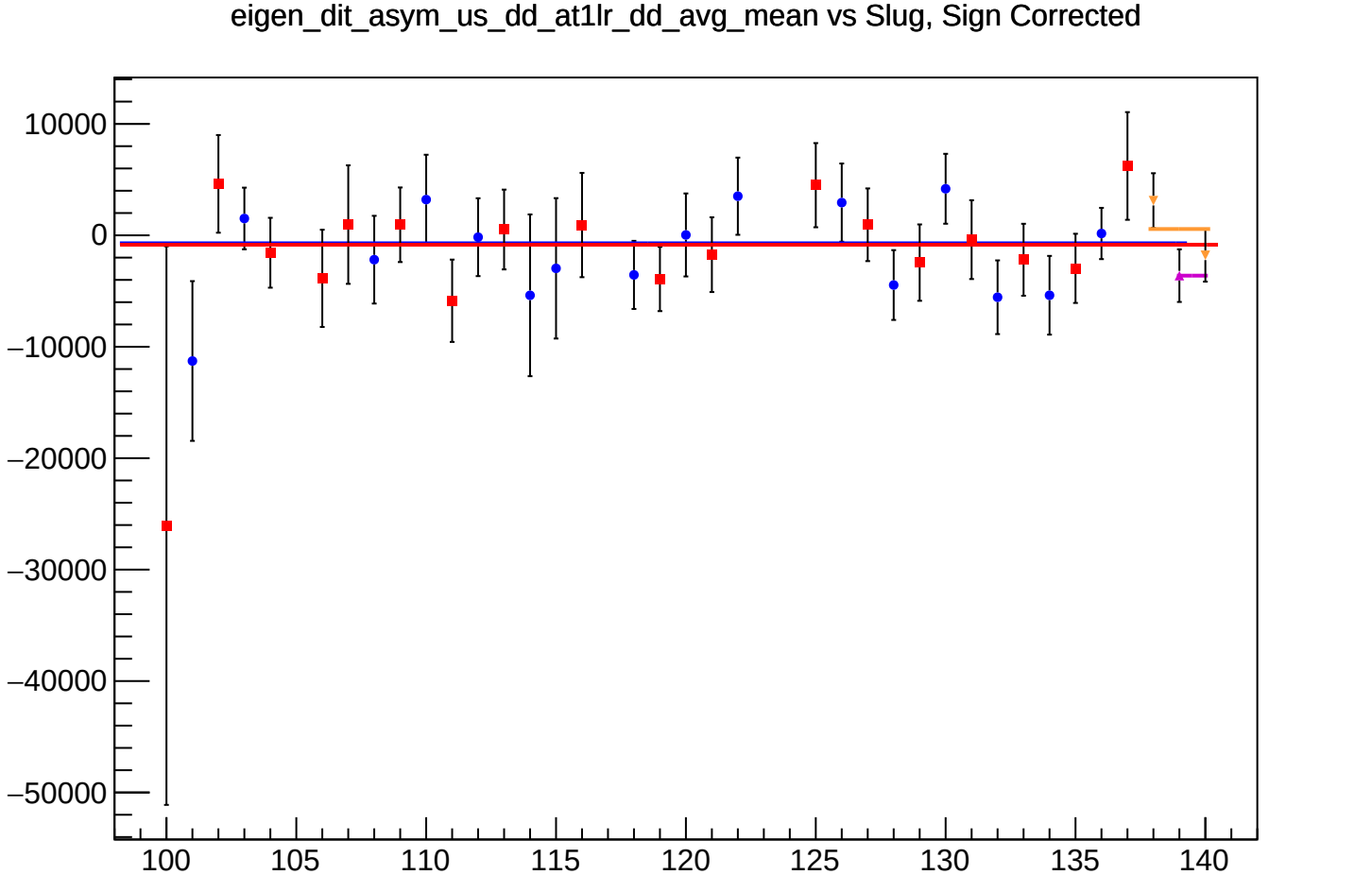
Left: 177.034+/-0.080 χ^2/NDF: 2112.5/2

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 191.301+/-0.059 χ^2/NDF:5622889.5/16

Out: 165.591+/-0.052 χ^2/NDF:7082225.1/19

All: 176.689+/-0.039 χ^2/NDF: 12812070.5/36



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: 565.676+/-1705.645 χ^2/NDF:2.1/1

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -3619.198+/-2360.478 χ^2/NDF:0.0/0

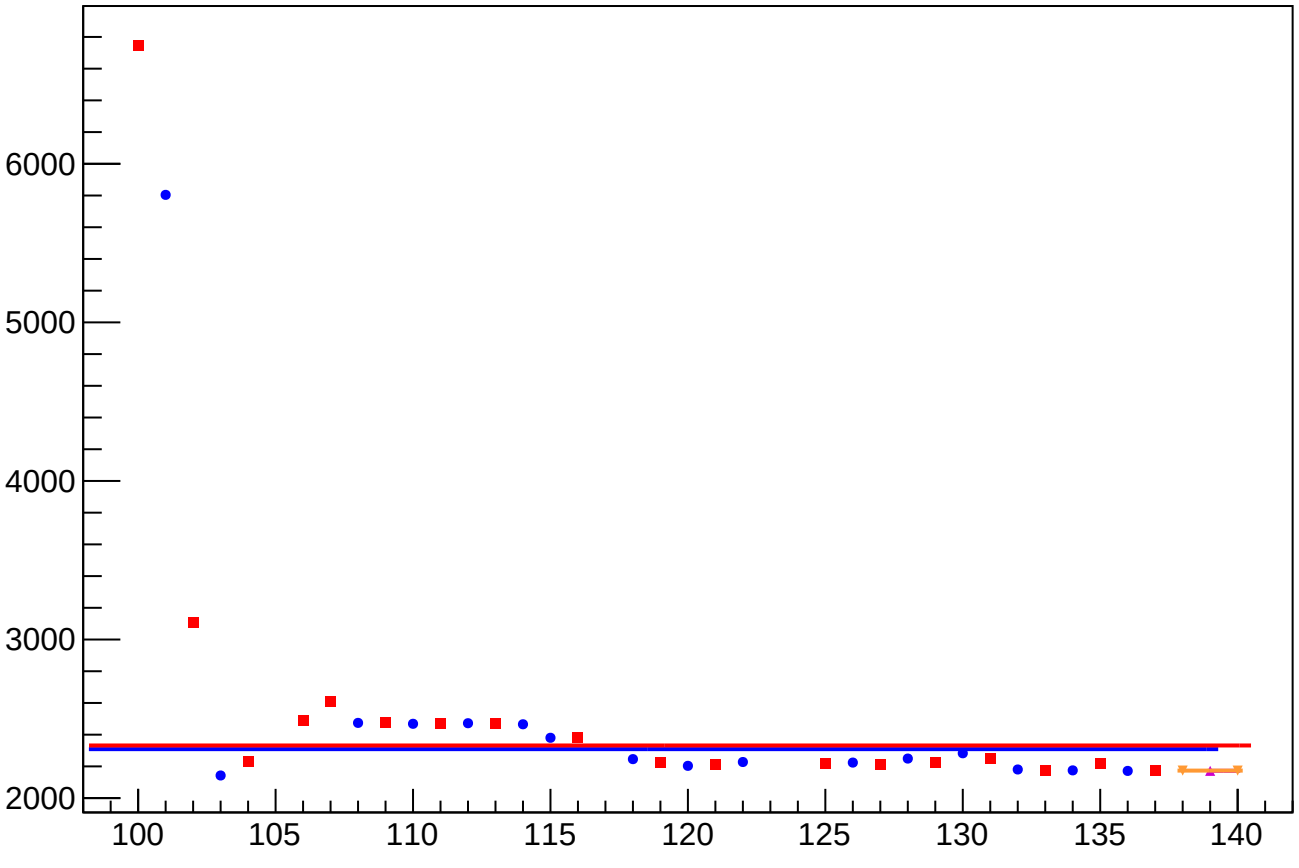
Left: -869.841+/-1382.493 χ^2/NDF: 4.1/2

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -1066.703+/-819.241 χ^2/NDF:17.2/16

Out: -549.598+/-777.536 χ^2/NDF:14.8/19

All: -794.655+/-563.969 χ^2/NDF: 32.2/36



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2173.448+/-1.206 χ^2/NDF:0.0/1

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2171.924+/-1.669 χ^2/NDF:0.0/0

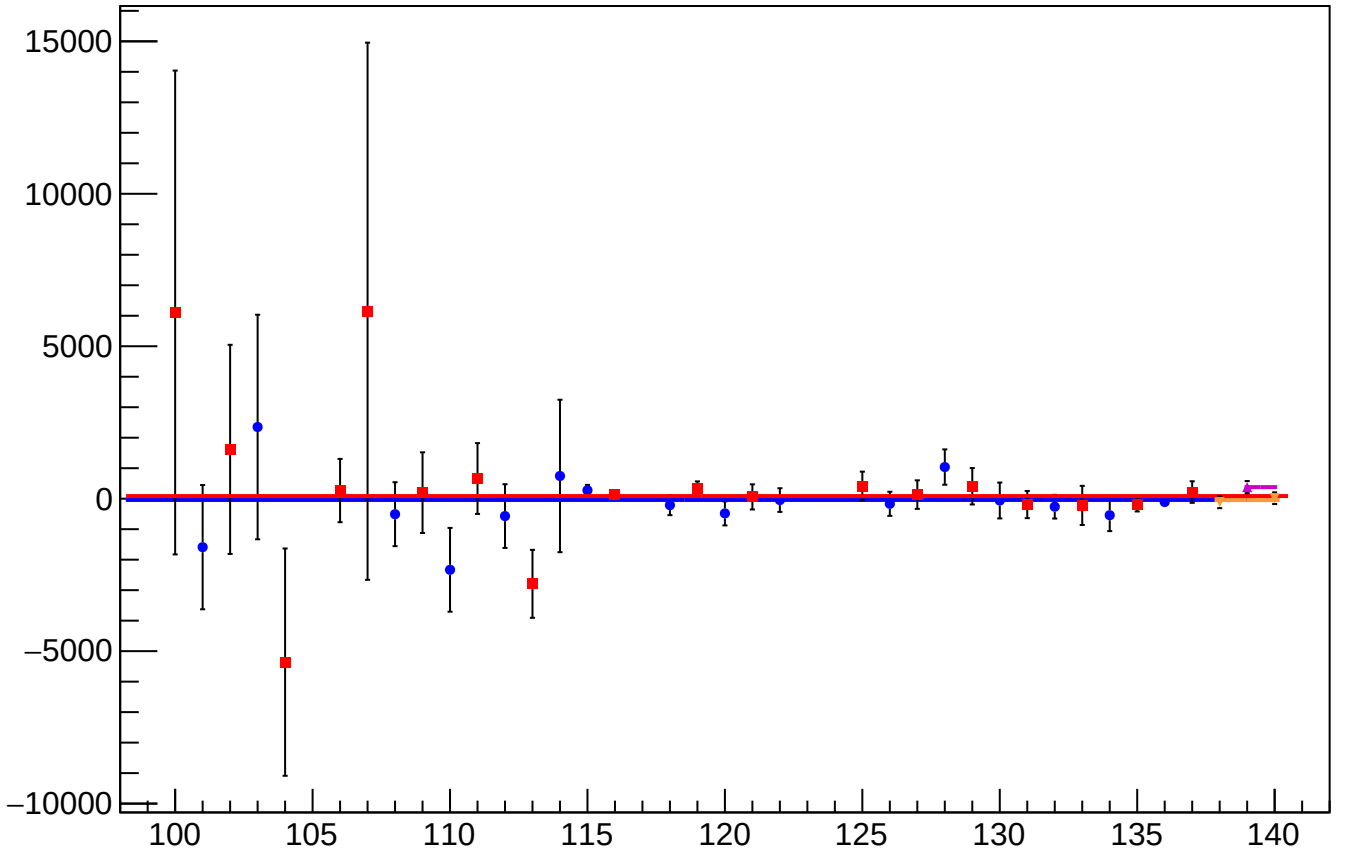
Left: 2172.926+/-0.978 χ^2/NDF: 0.5/2

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2292.259+/-0.579 χ^2/NDF:519651.8/16

Out: 2298.932+/-0.550 χ^2/NDF:180986.2/19

All: 2295.770+/-0.399 χ^2/NDF: 700707.8/36



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -45.650+/-138.039 χ^2/NDF:0.2/1

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 379.671+/-199.004 χ^2/NDF:0.0/0

Left: 92.515+/-113.423 χ^2/NDF: 3.3/2

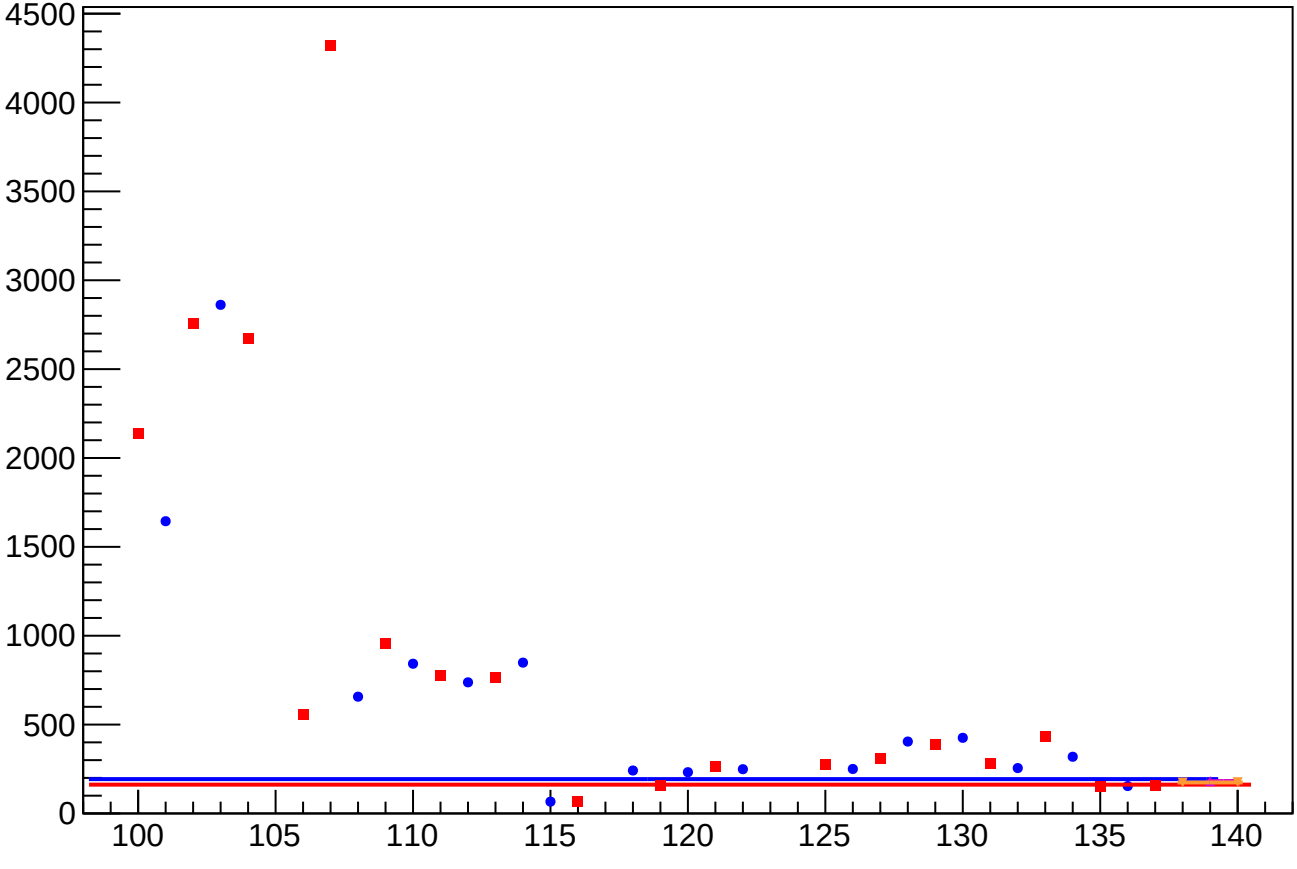
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 34.345+/-83.813 χ^2/NDF:17.7/16

Out: 49.409+/-73.046 χ^2/NDF:15.8/19

All: 42.906+/-55.067 χ^2/NDF: 33.6/36

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 174.532+/-0.098 χ^2/NDF:86.1/1

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 182.242+/-0.141 χ^2/NDF:0.0/0

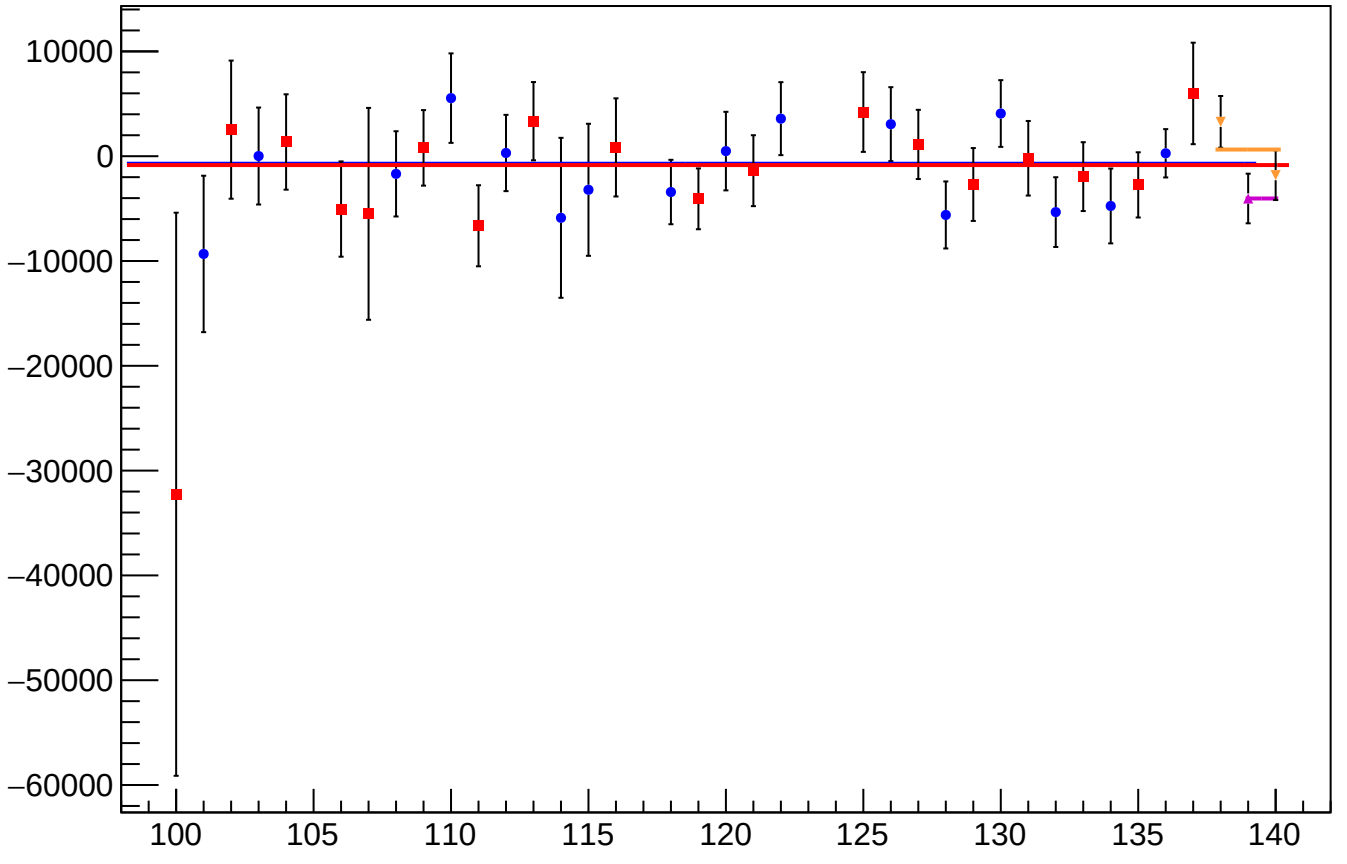
Left: 177.036+/-0.080 χ^2/NDF: 2112.9/2

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 191.300+/-0.059 χ^2/NDF:5622921.2/16

Out: 165.590+/-0.052 χ^2/NDF:7082290.9/19

All: 176.688+/-0.039 χ^2/NDF: 12812169.5/36



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: 636.311+/-1710.890 χ^2/NDF:2.2/1

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -4035.395+/-2367.683 χ^2/NDF:0.0/0

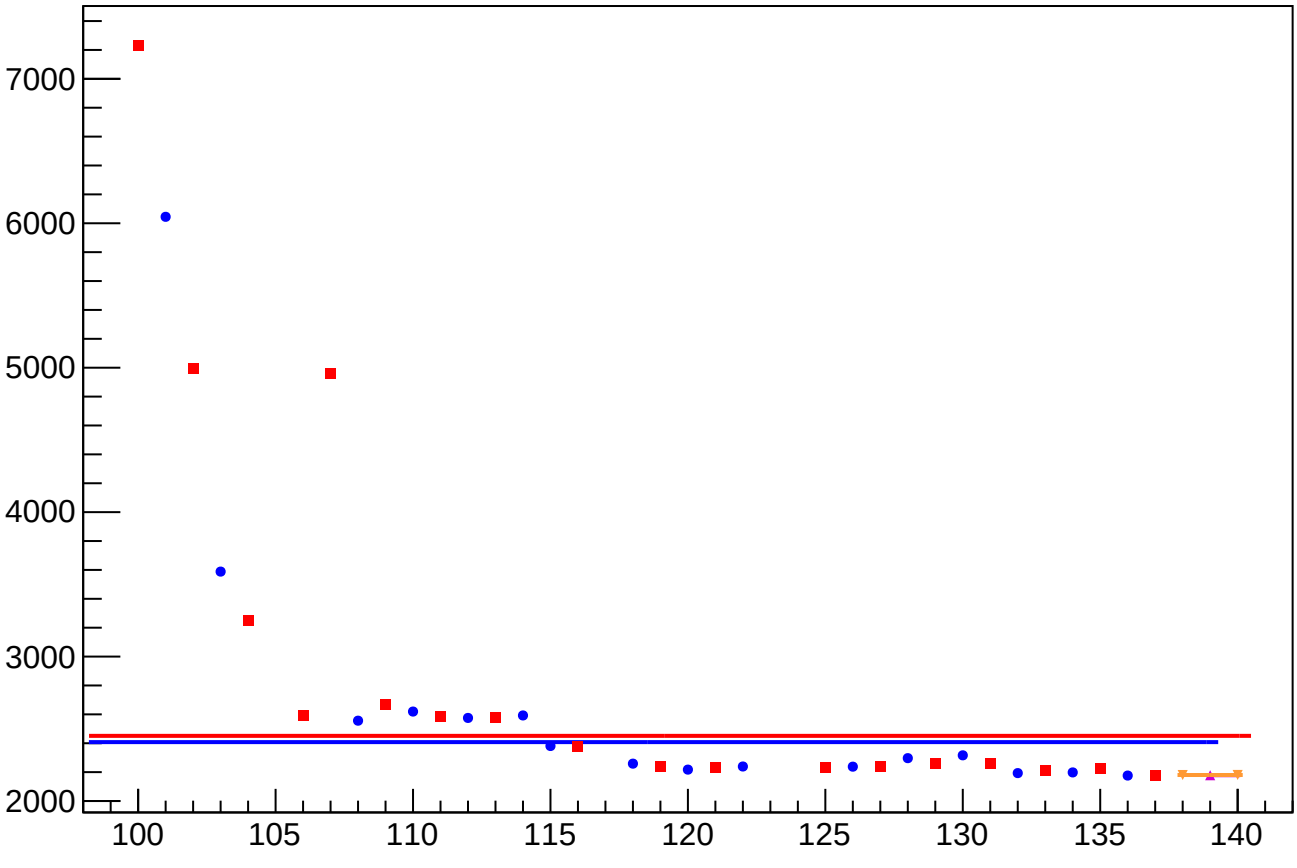
Left: -966.250+/-1386.734 χ^2/NDF: 4.8/2

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1151.431+/-854.481 χ^2/NDF:17.5/16

Out: -507.719+/-816.207 χ^2/NDF:15.7/19

All: -814.836+/-590.212 χ^2/NDF: 33.5/36



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2180.131+/-1.210 χ^2/NDF:0.0/1

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2178.551+/-1.674 χ^2/NDF:0.0/0

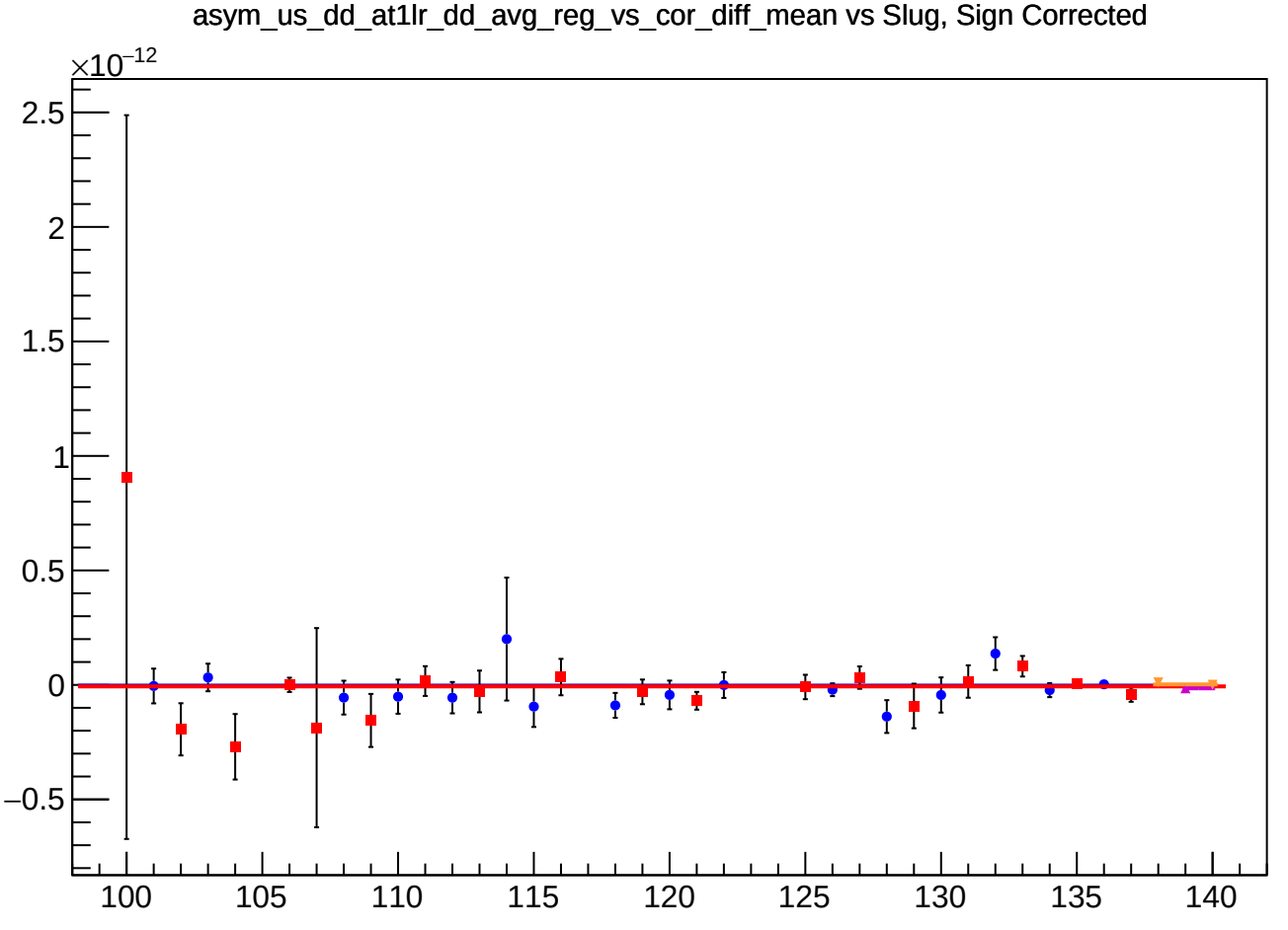
Left: 2179.589+/-0.981 χ^2/NDF: 0.6/2

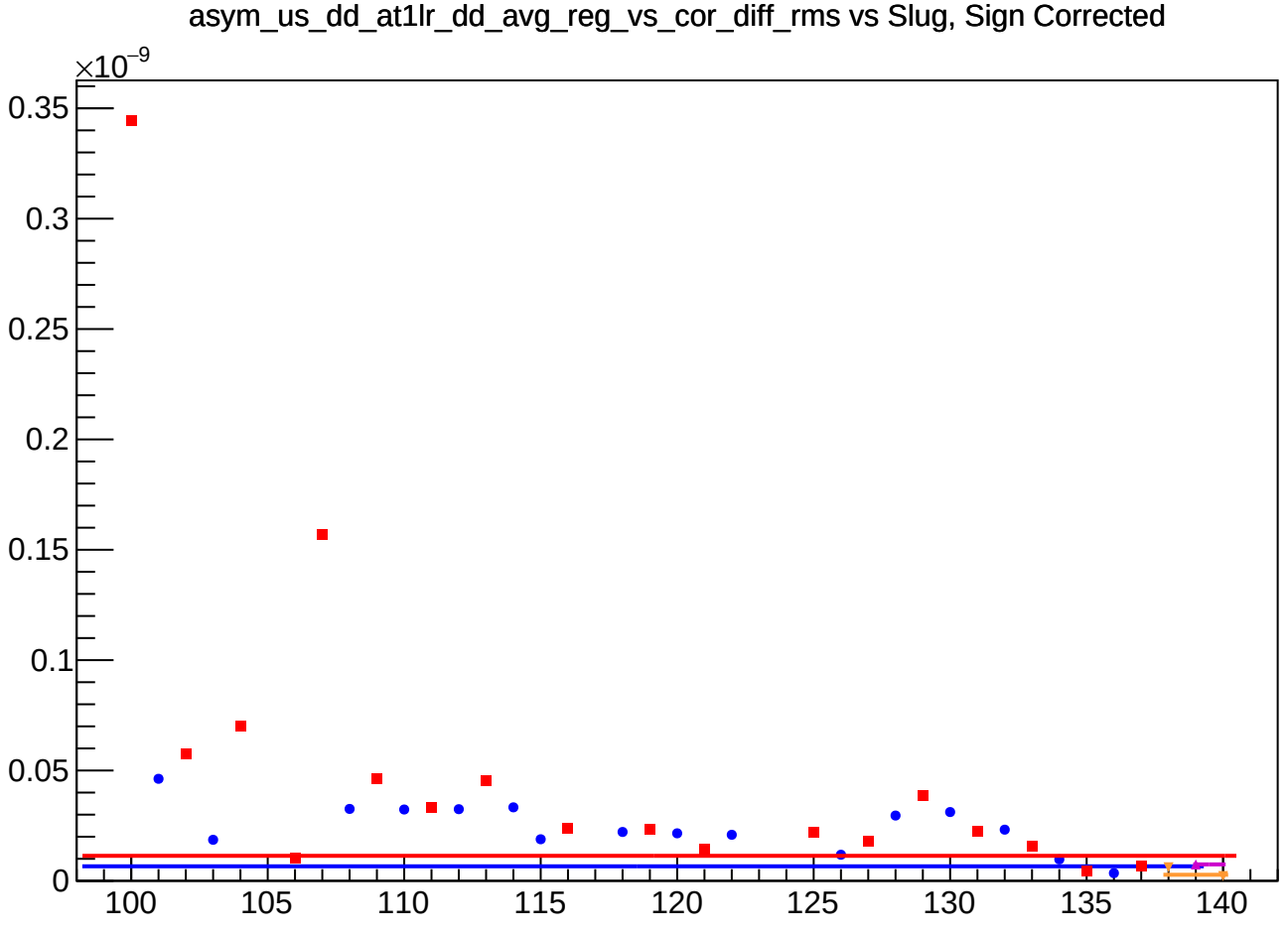
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2377.937+/-0.604 χ^2/NDF:693198.4/16

Out: 2389.499+/-0.577 χ^2/NDF:672375.6/19

All: 2383.983+/-0.417 χ^2/NDF: 1365765.4/36


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2.5
2
1.5
1
0.5
0
−0.5
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: 0.000+/-0.000 χ²/NDF:0.9/1
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: -0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 2.8/2
Right: -0.000+/-0.000 χ²/NDF: 34.5/33
In: -0.000+/-0.000 χ²/NDF:16.3/16
Out: 0.000+/-0.000 χ²/NDF:20.5/19
All: -0.000+/-0.000 χ²/NDF: 37.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:276559.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 556723.6/2

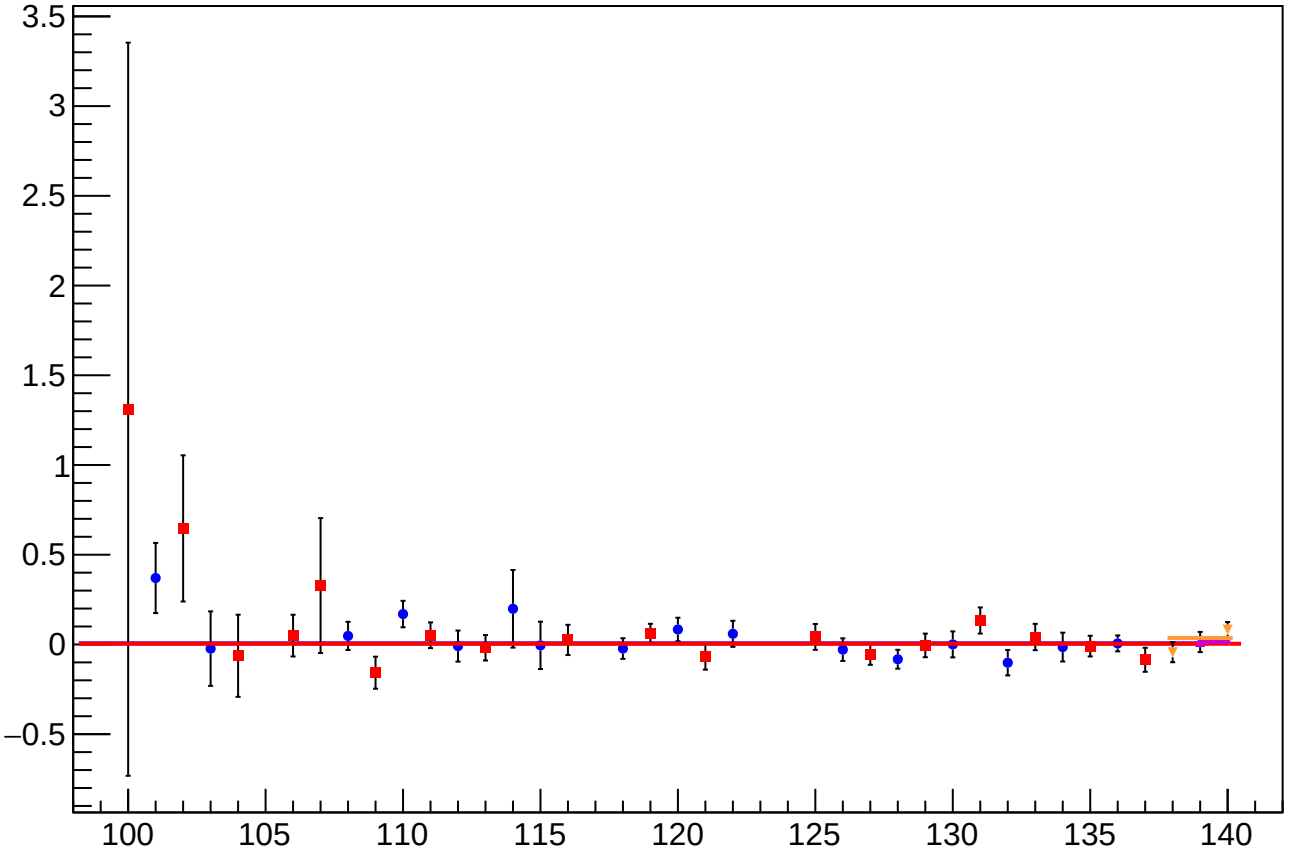
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:2865142.2/16

Out: 0.000+/-0.000 χ^2/NDF:4315691.4/19

All: 0.000+/-0.000 χ^2/NDF: 7562194.3/36

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.036+/-0.034 χ^2/NDF:3.2/1

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.014+/-0.056 χ^2/NDF:0.0/0

Left: 0.030+/-0.029 χ^2/NDF: 3.3/2

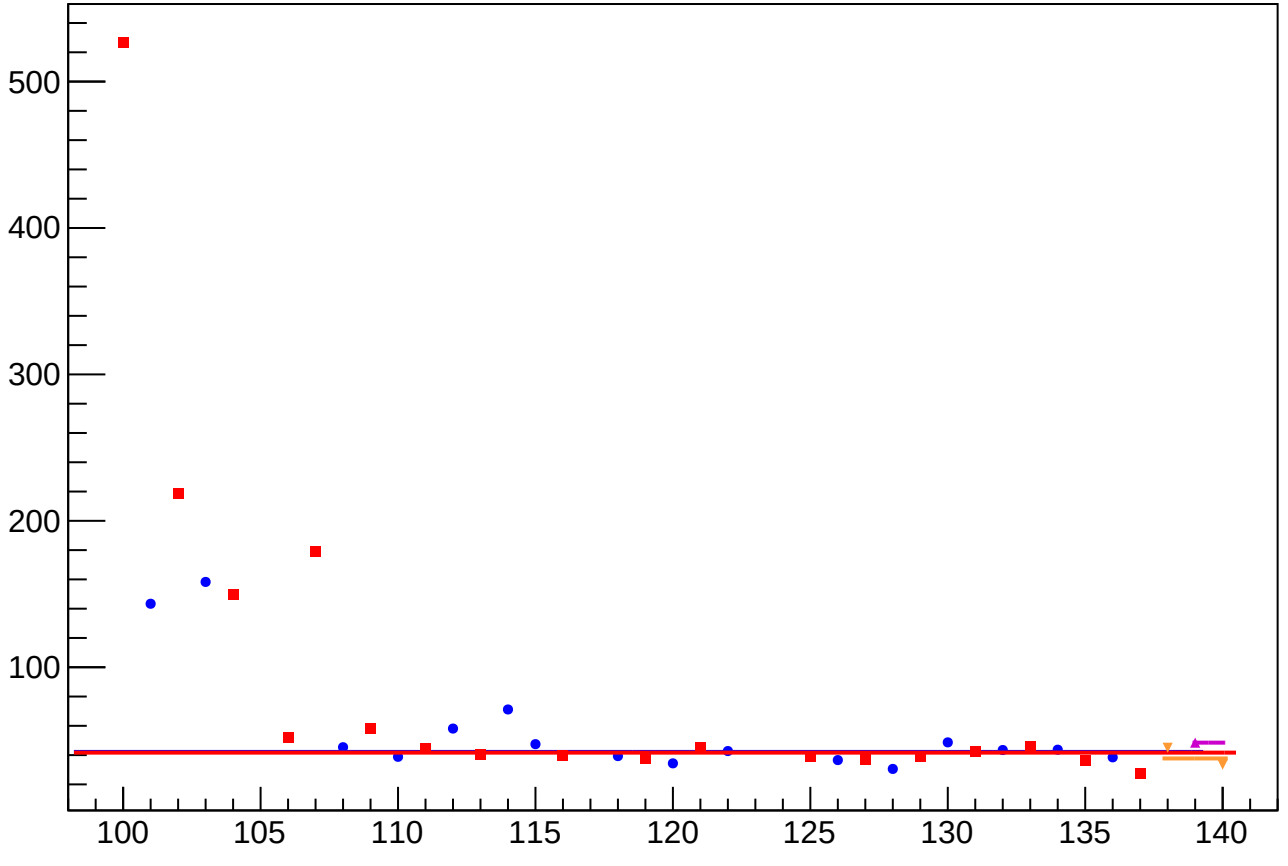
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.007+/-0.017 χ^2/NDF:17.2/16

Out: 0.011+/-0.016 χ^2/NDF:20.2/19

All: 0.009+/-0.012 χ^2/NDF: 37.4/36

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.713+/-0.024 χ^2/NDF:53989.6/1

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 48.505+/-0.040 χ^2/NDF:0.0/0

Left: 40.585+/-0.021 χ^2/NDF: 108020.2/2

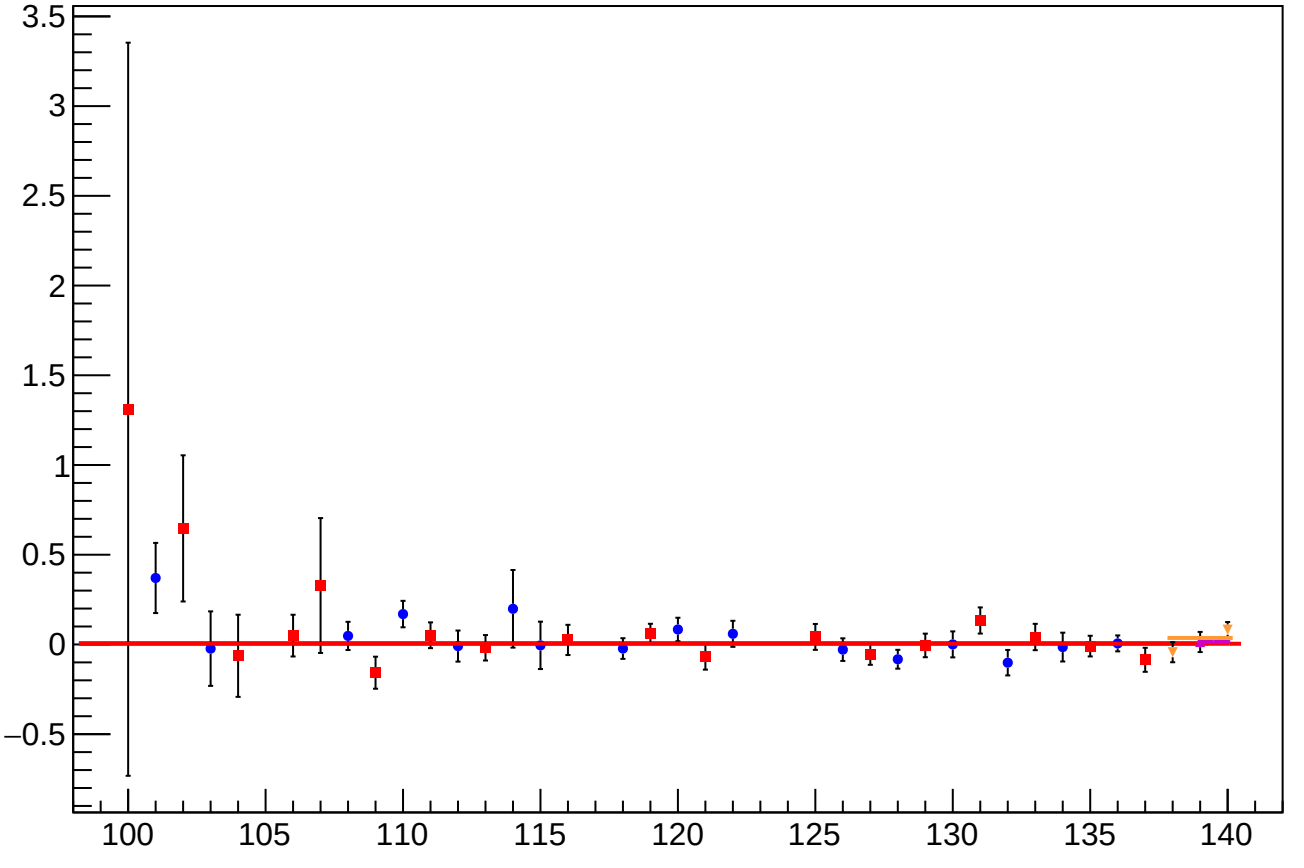
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 42.770+/-0.012 χ^2/NDF:1477363.6/16

Out: 40.771+/-0.012 χ^2/NDF:1516403.1/19

All: 41.707+/-0.008 χ^2/NDF: 3007854.0/36

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.036+/-0.034 χ^2/NDF:3.2/1

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.014+/-0.056 χ^2/NDF:0.0/0

Left: 0.030+/-0.029 χ^2/NDF: 3.3/2

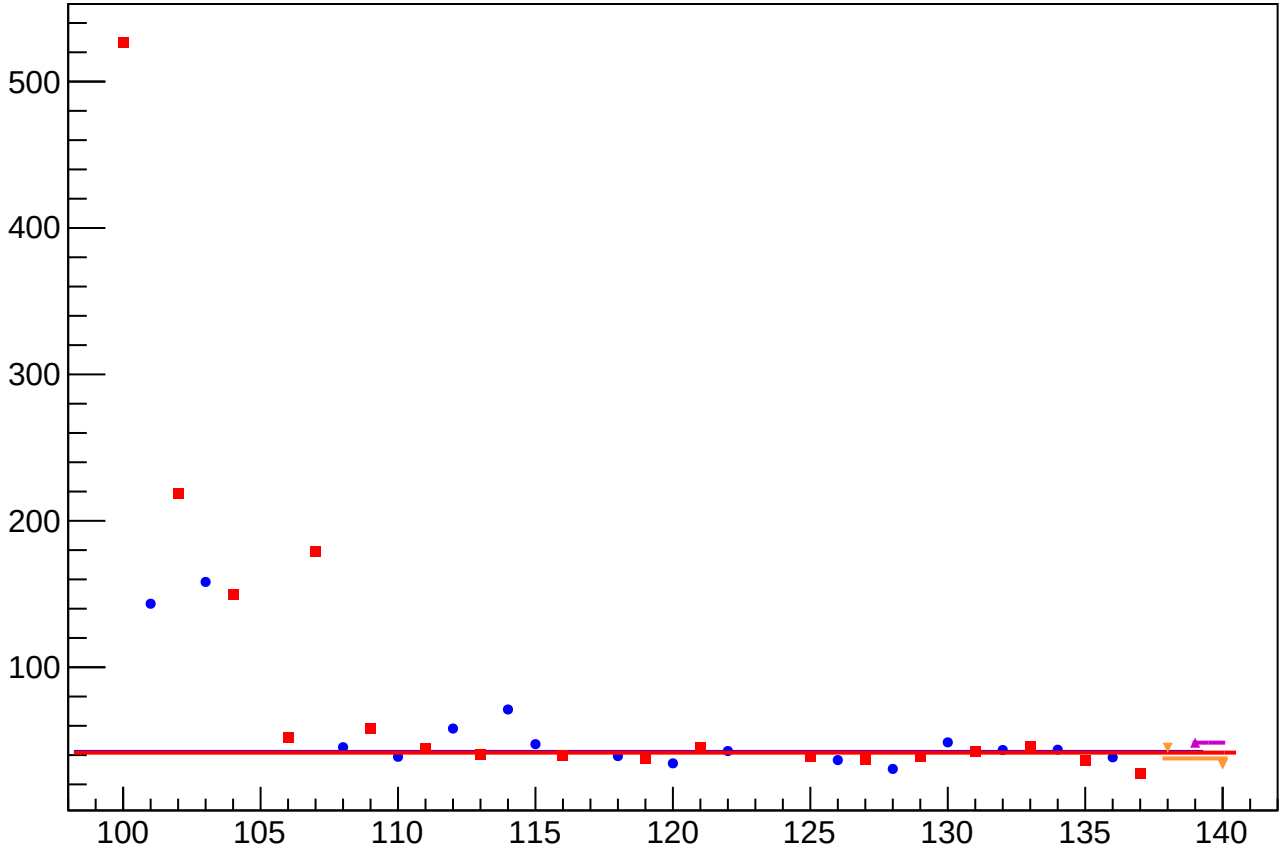
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.007+/-0.017 χ^2/NDF:17.2/16

Out: 0.011+/-0.016 χ^2/NDF:20.2/19

All: 0.009+/-0.012 χ^2/NDF: 37.4/36

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.713+/-0.024 χ^2/NDF:53989.6/1

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 48.505+/-0.040 χ^2/NDF:0.0/0

Left: 40.585+/-0.021 χ^2/NDF: 108020.2/2

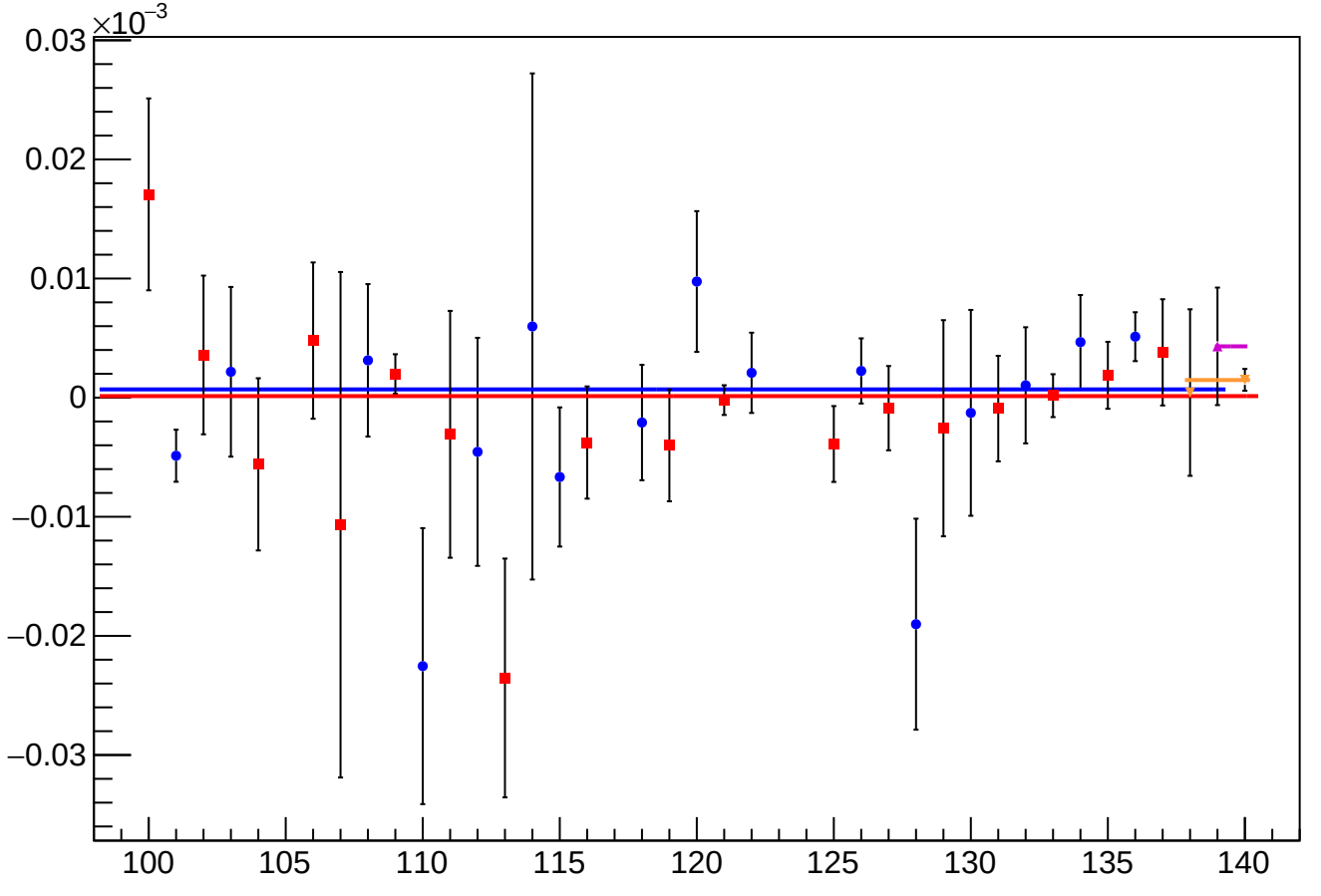
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 42.770+/-0.012 χ^2/NDF:1477363.6/16

Out: 40.771+/-0.012 χ^2/NDF:1516403.1/19

All: 41.707+/-0.008 χ^2/NDF: 3007854.0/36

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.3/2

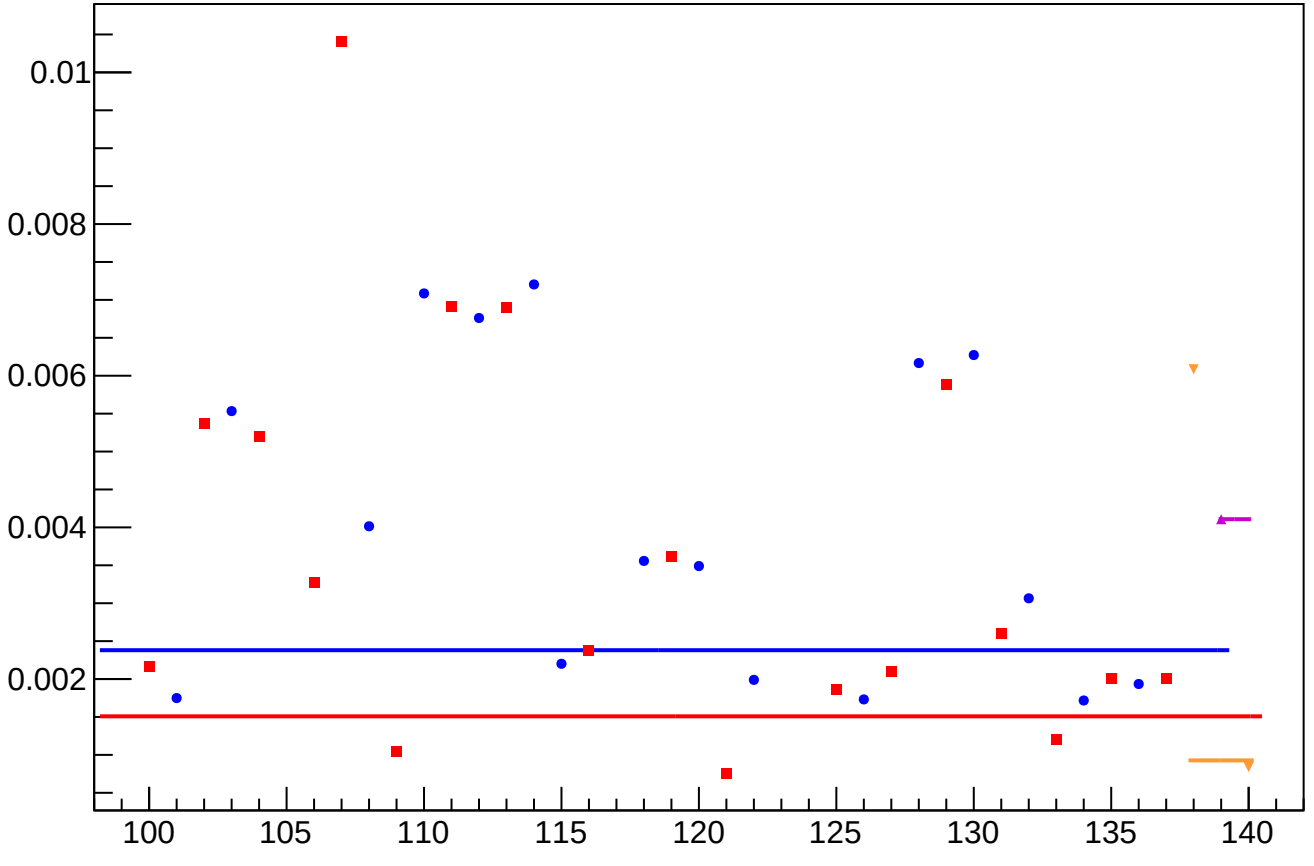
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:27.0/16

Out: 0.000+/-0.000 χ^2/NDF:18.8/19

All: 0.000+/-0.000 χ^2/NDF: 45.8/36

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:1107251.9/1

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.004+/-0.000 χ^2/NDF:0.0/0

Left: 0.001+/-0.000 χ^2/NDF: 1911332.0/2

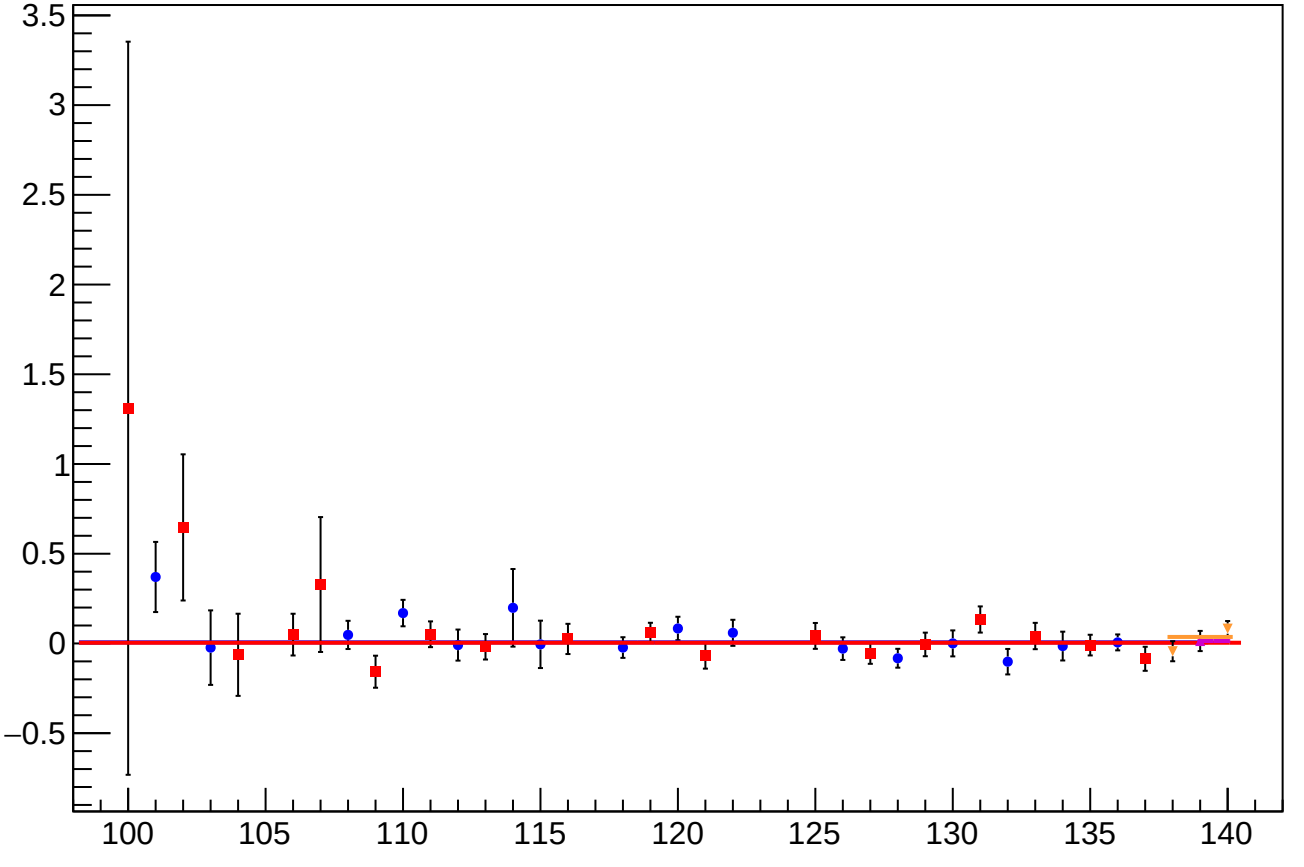
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:3067783.4/16

Out: 0.001+/-0.000 χ^2/NDF:6610169.0/19

All: 0.002+/-0.000 χ^2/NDF: 11752370.3/36

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.036+/-0.034 χ^2/NDF:3.2/1

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.014+/-0.056 χ^2/NDF:0.0/0

Left: 0.030+/-0.029 χ^2/NDF: 3.3/2

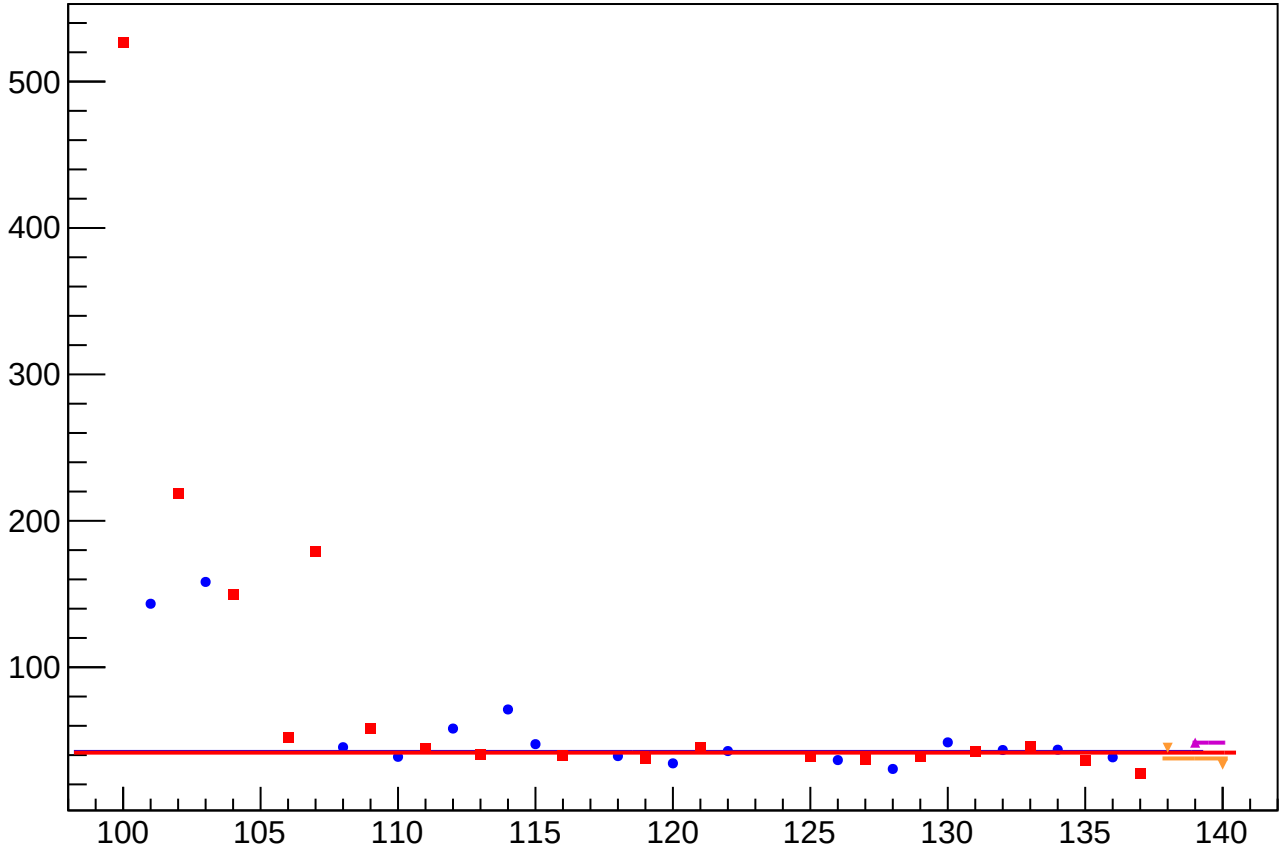
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.007+/-0.017 χ^2/NDF:17.2/16

Out: 0.011+/-0.016 χ^2/NDF:20.2/19

All: 0.009+/-0.012 χ^2/NDF: 37.4/36

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.713+/-0.024 χ^2/NDF:53977.3/1

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 48.506+/-0.040 χ^2/NDF:0.0/0

Left: 40.585+/-0.021 χ^2/NDF: 108016.5/2

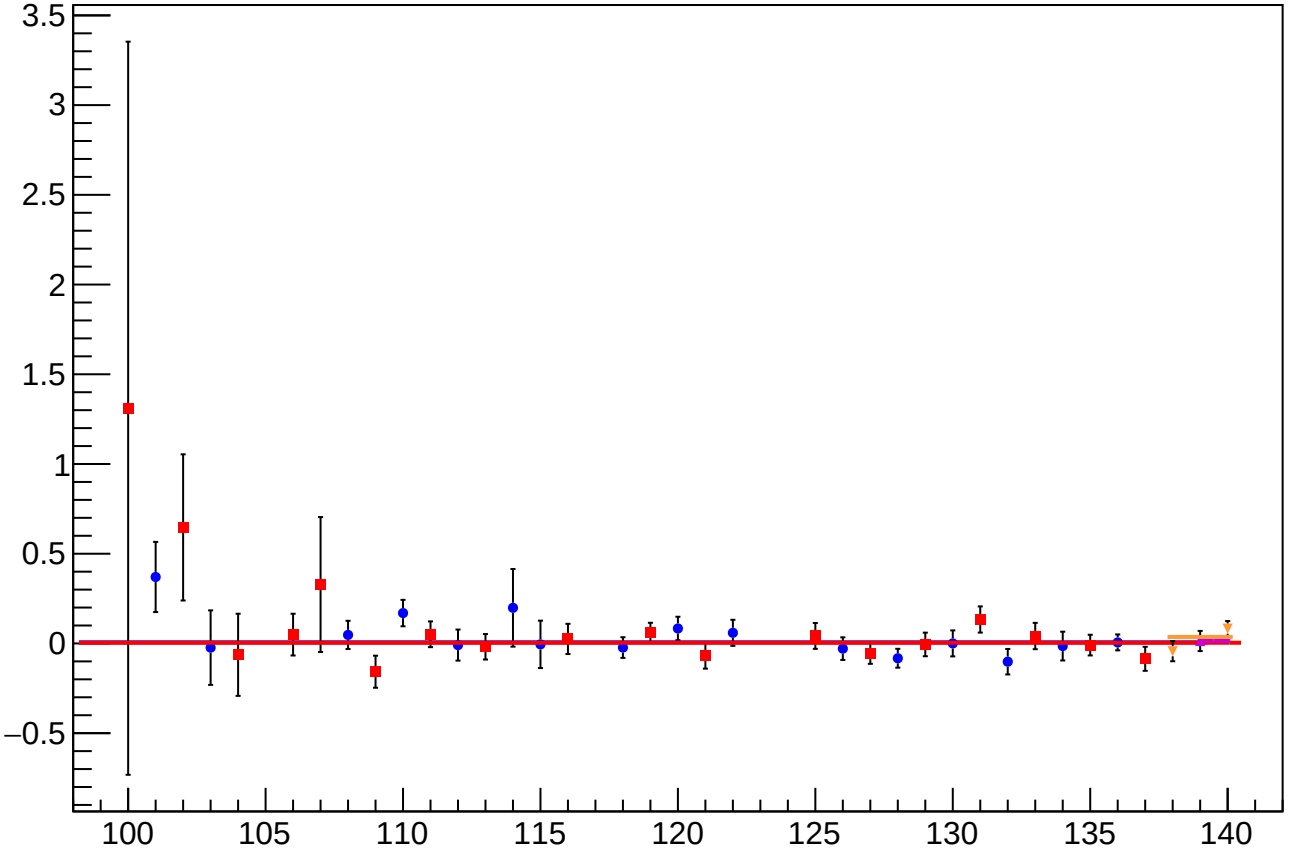
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 42.768+/-0.012 χ^2/NDF:1477601.7/16

Out: 40.771+/-0.012 χ^2/NDF:1516376.8/19

All: 41.706+/-0.008 χ^2/NDF: 3008030.8/36

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.036+/-0.034 χ^2/NDF:3.2/1

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.014+/-0.056 χ^2/NDF:0.0/0

Left: 0.030+/-0.029 χ^2/NDF: 3.3/2

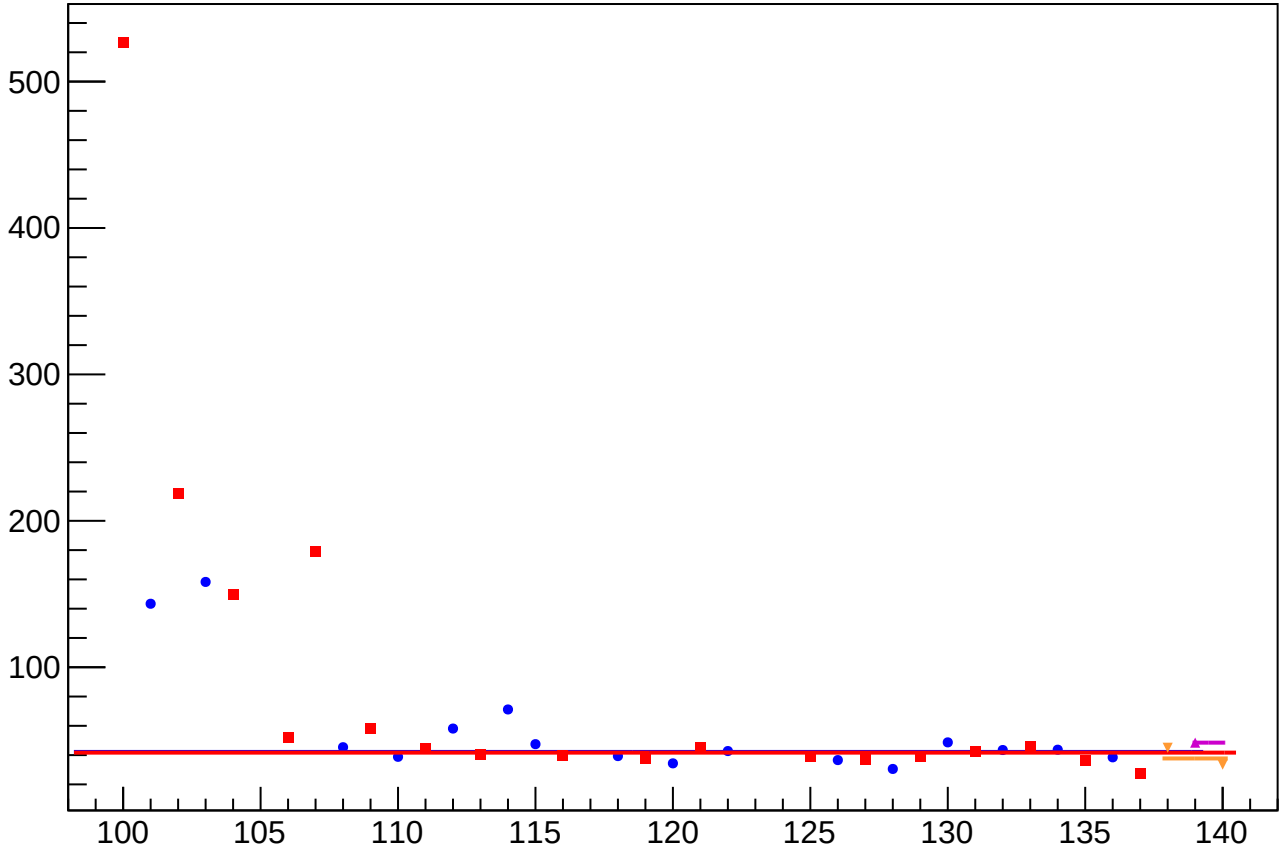
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.007+/-0.017 χ^2/NDF:17.2/16

Out: 0.011+/-0.016 χ^2/NDF:20.2/19

All: 0.009+/-0.012 χ^2/NDF: 37.4/36

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.713+/-0.024 χ^2/NDF:53977.3/1

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 48.506+/-0.040 χ^2/NDF:0.0/0

Left: 40.585+/-0.021 χ^2/NDF: 108016.5/2

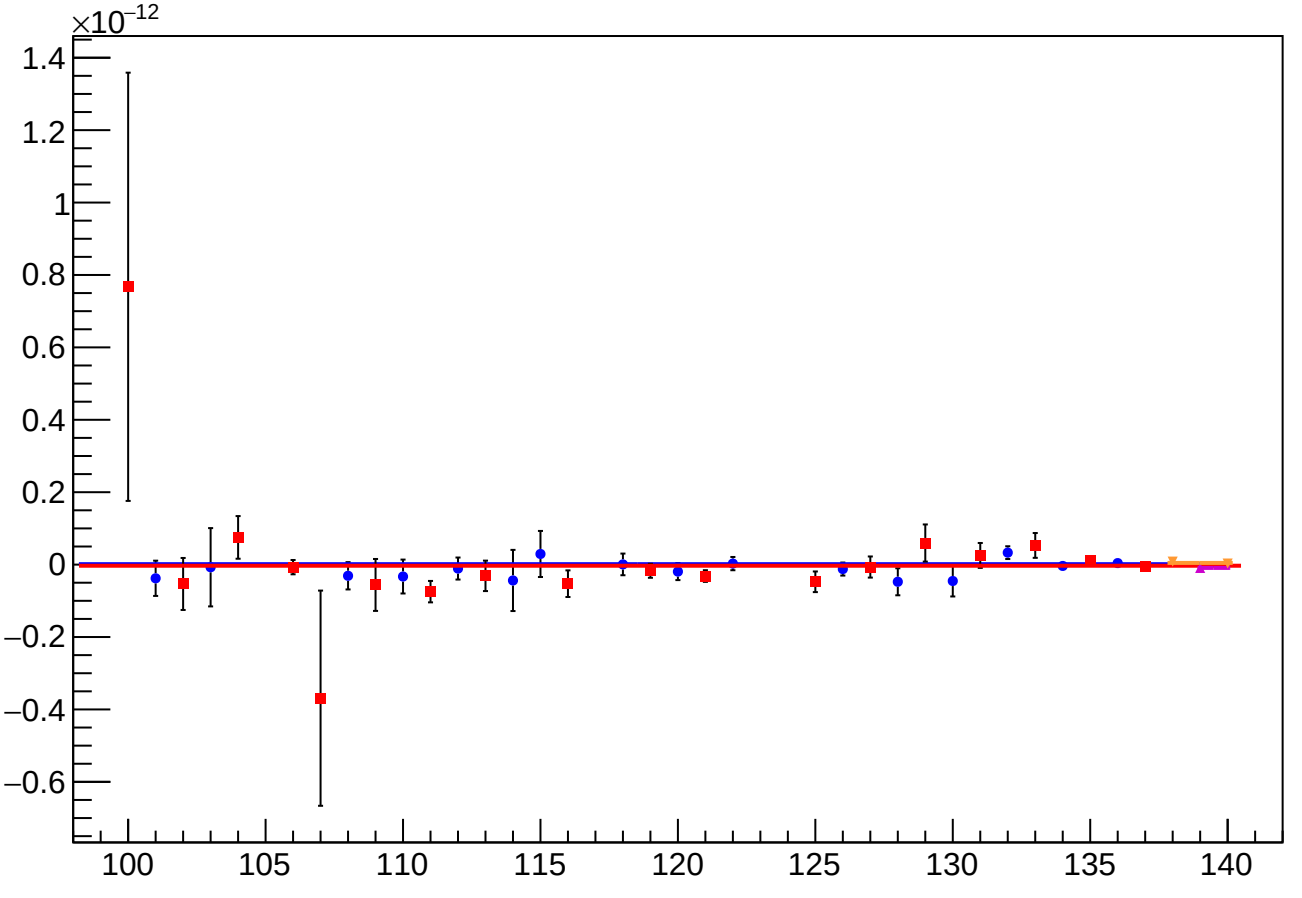
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 42.768+/-0.012 χ^2/NDF:1477601.7/16

Out: 40.771+/-0.012 χ^2/NDF:1516376.8/19

All: 41.706+/-0.008 χ^2/NDF: 3008030.8/36

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

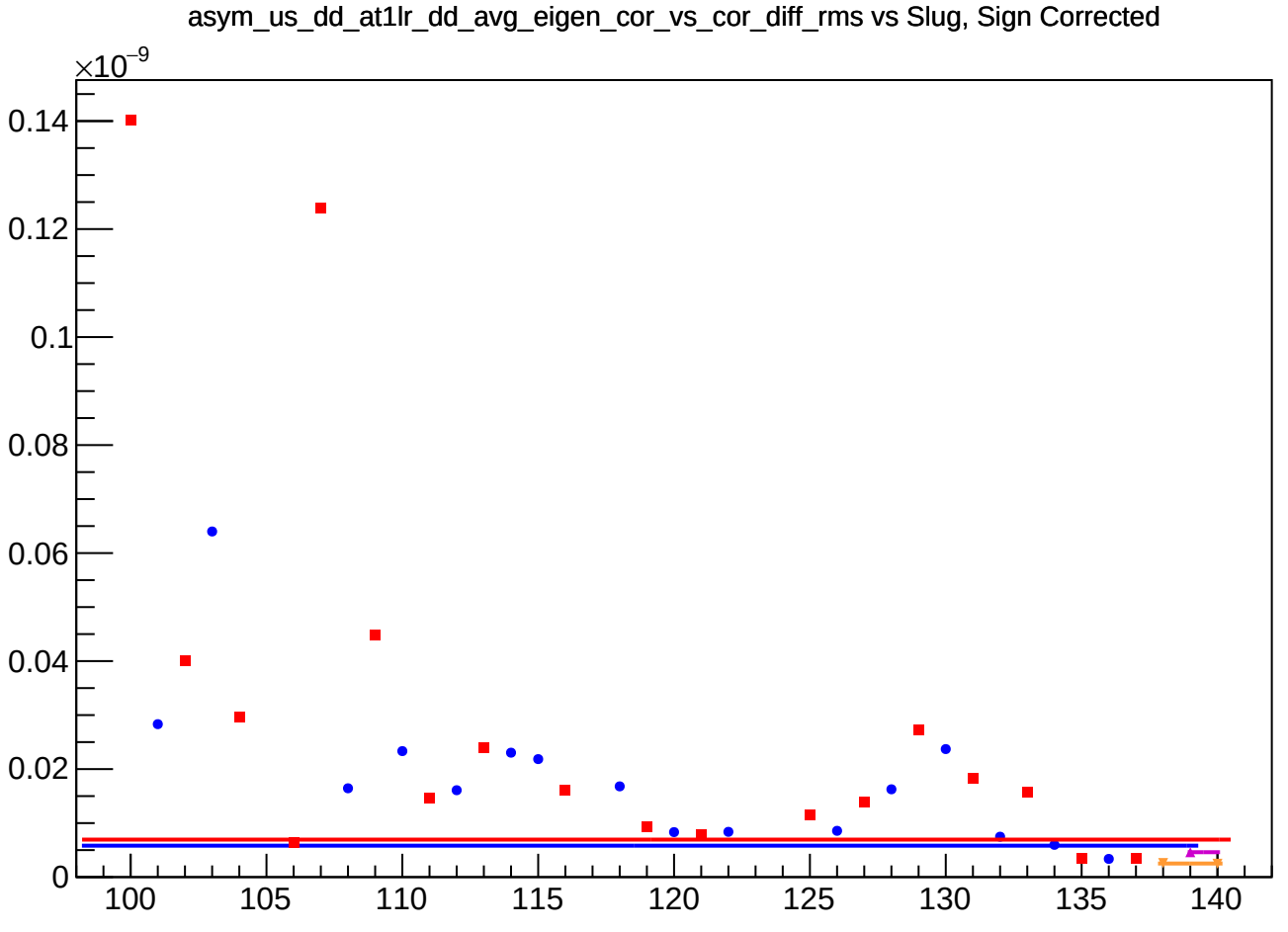
Left: 0.000+/-0.000 χ^2/NDF: 4.2/2

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:12.2/16

Out: 0.000+/-0.000 χ^2/NDF:31.7/19

All: 0.000+/-0.000 χ^2/NDF: 44.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1001.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

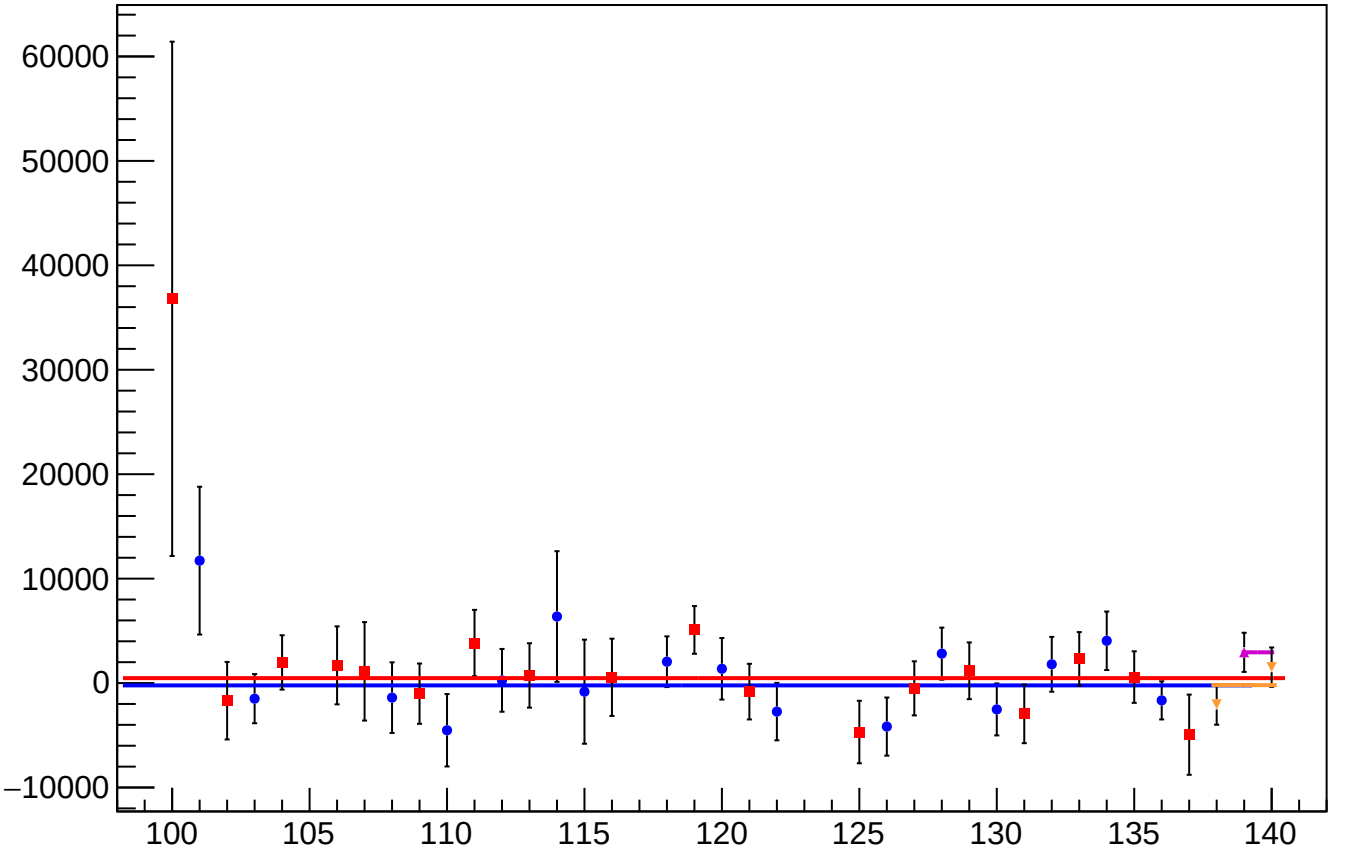
Left: 0.000+/-0.000 χ^2/NDF: 156723.3/2

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:3341610.8/16

Out: 0.000+/-0.000 χ^2/NDF:5104675.7/19

All: 0.000+/-0.000 χ^2/NDF: 8874344.8/36



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: -195.404+/-1355.303 χ^2/NDF:1.7/1

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 2944.330+/-1874.928 χ^2/NDF:0.0/0

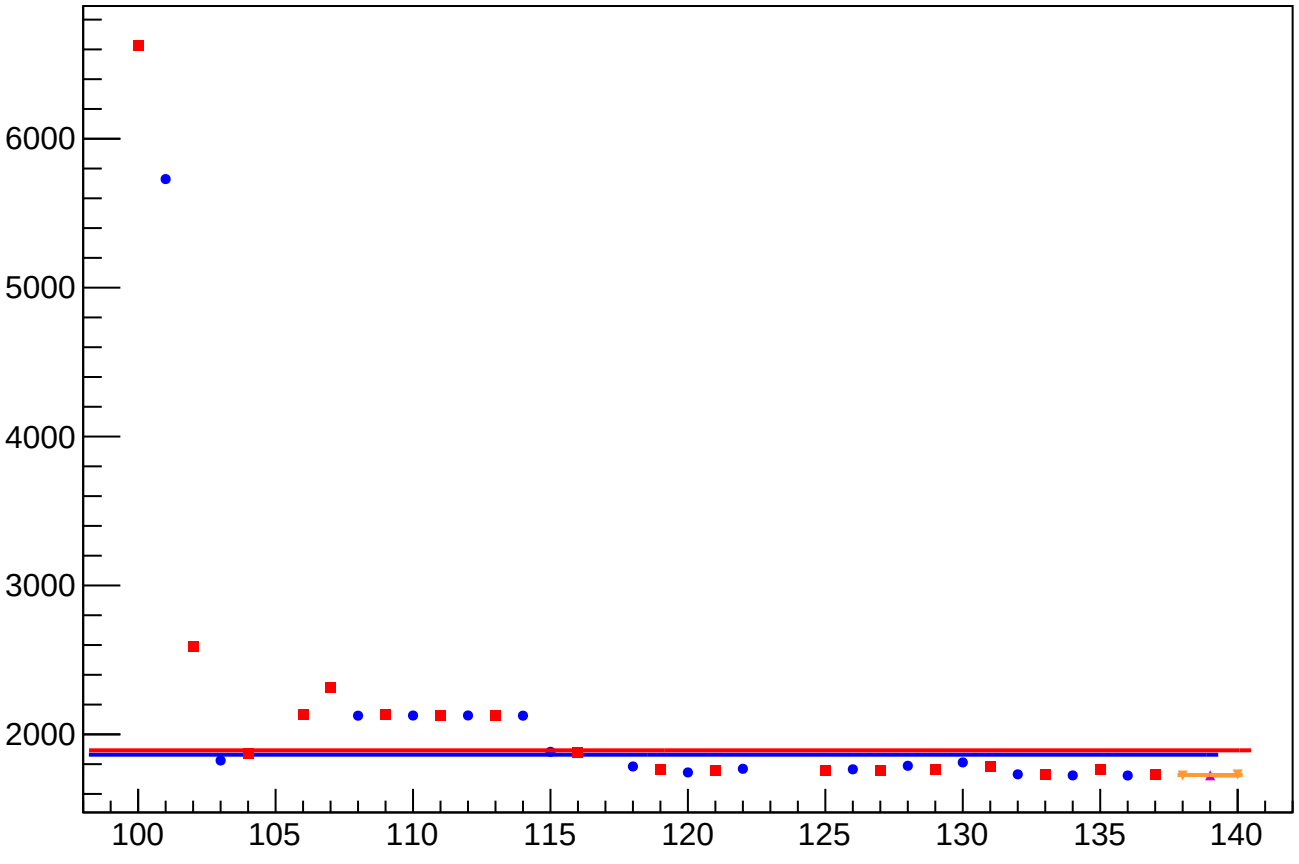
Left: 882.135+/-1098.386 χ^2/NDF: 3.6/2

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 173.417+/-663.292 χ^2/NDF:18.3/16

Out: 328.134+/-629.950 χ^2/NDF:17.8/19

All: 254.762+/-456.774 χ^2/NDF: 36.1/36



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1727.011+/-0.958 χ^2/NDF:15.1/1

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1725.151+/-1.326 χ^2/NDF:0.0/0

Left: 1726.373+/-0.777 χ^2/NDF: 16.4/2

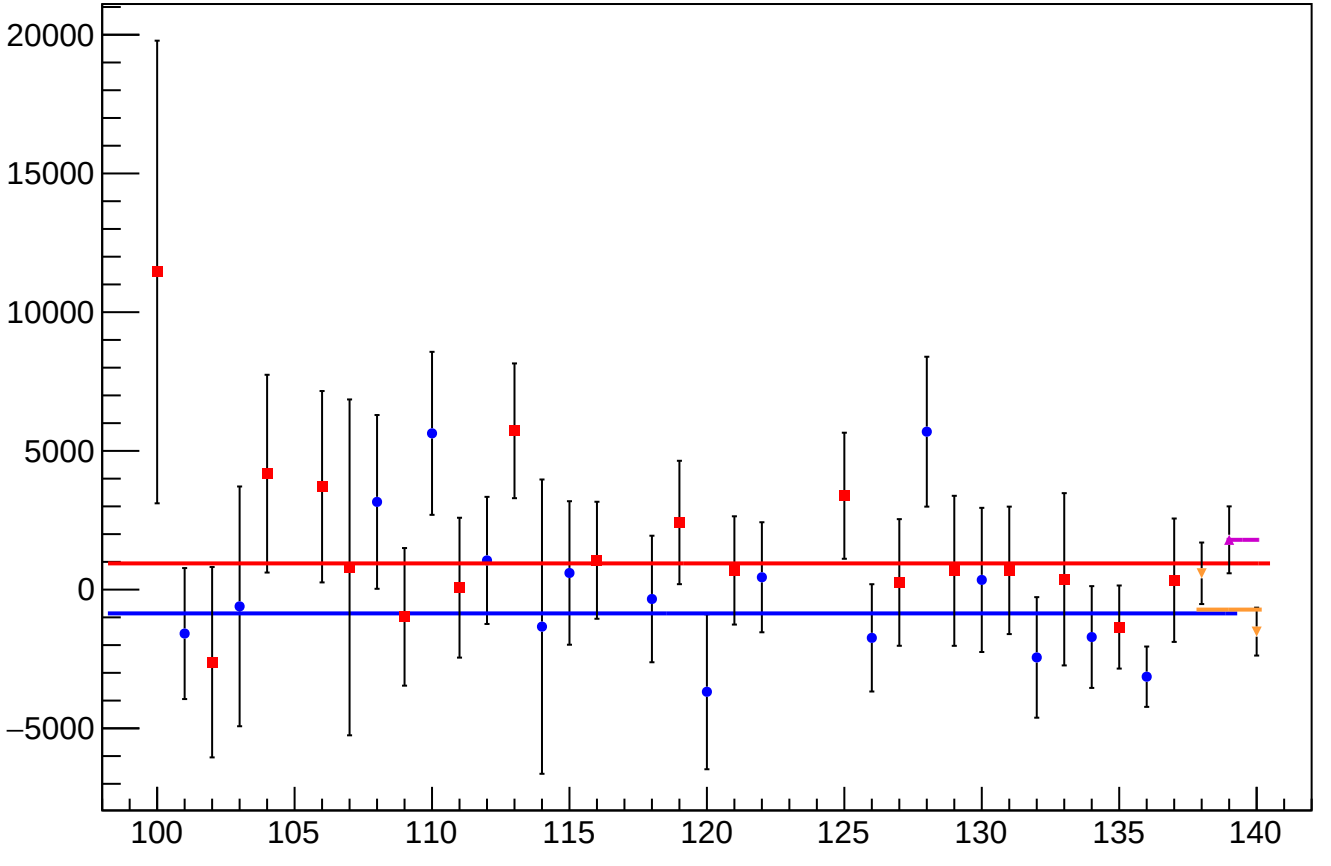
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1846.256+/-0.469 χ^2/NDF:684203.4/16

Out: 1857.034+/-0.445 χ^2/NDF:275008.4/19

All: 1851.923+/-0.323 χ^2/NDF: 959489.4/36

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -720.373+/-681.218 χ^2/NDF:2.2/1

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 1794.581+/-1206.038 χ^2/NDF:0.0/0

Left: -112.068+/-593.139 χ^2/NDF: 5.5/2

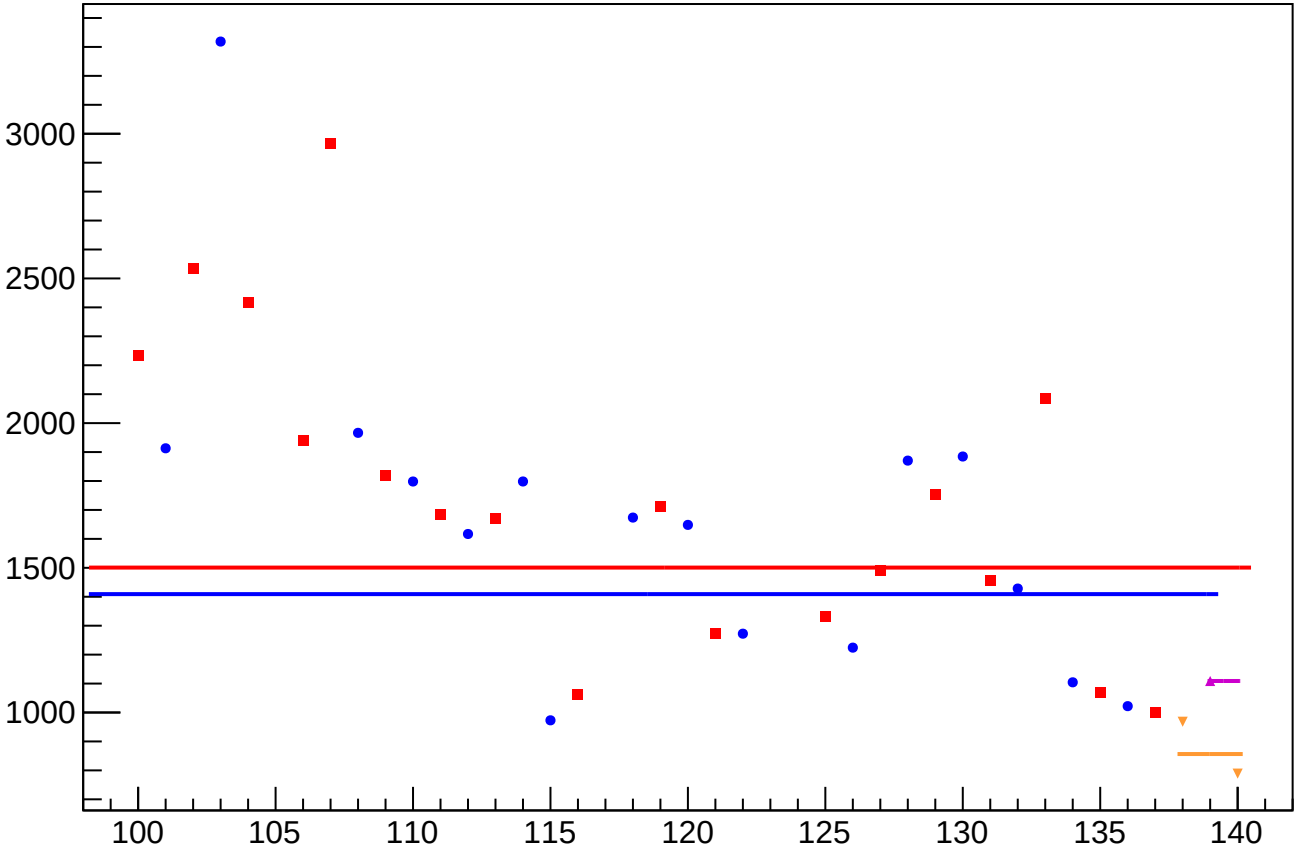
Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -401.019+/-500.263 χ^2/NDF:24.6/16

Out: 239.411+/-443.360 χ^2/NDF:18.6/19

All: -42.324+/-331.805 χ^2/NDF: 44.1/36

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 856.481+/-0.482 χ^2/NDF:32554.9/1

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 1108.893+/-0.853 χ^2/NDF:0.0/0

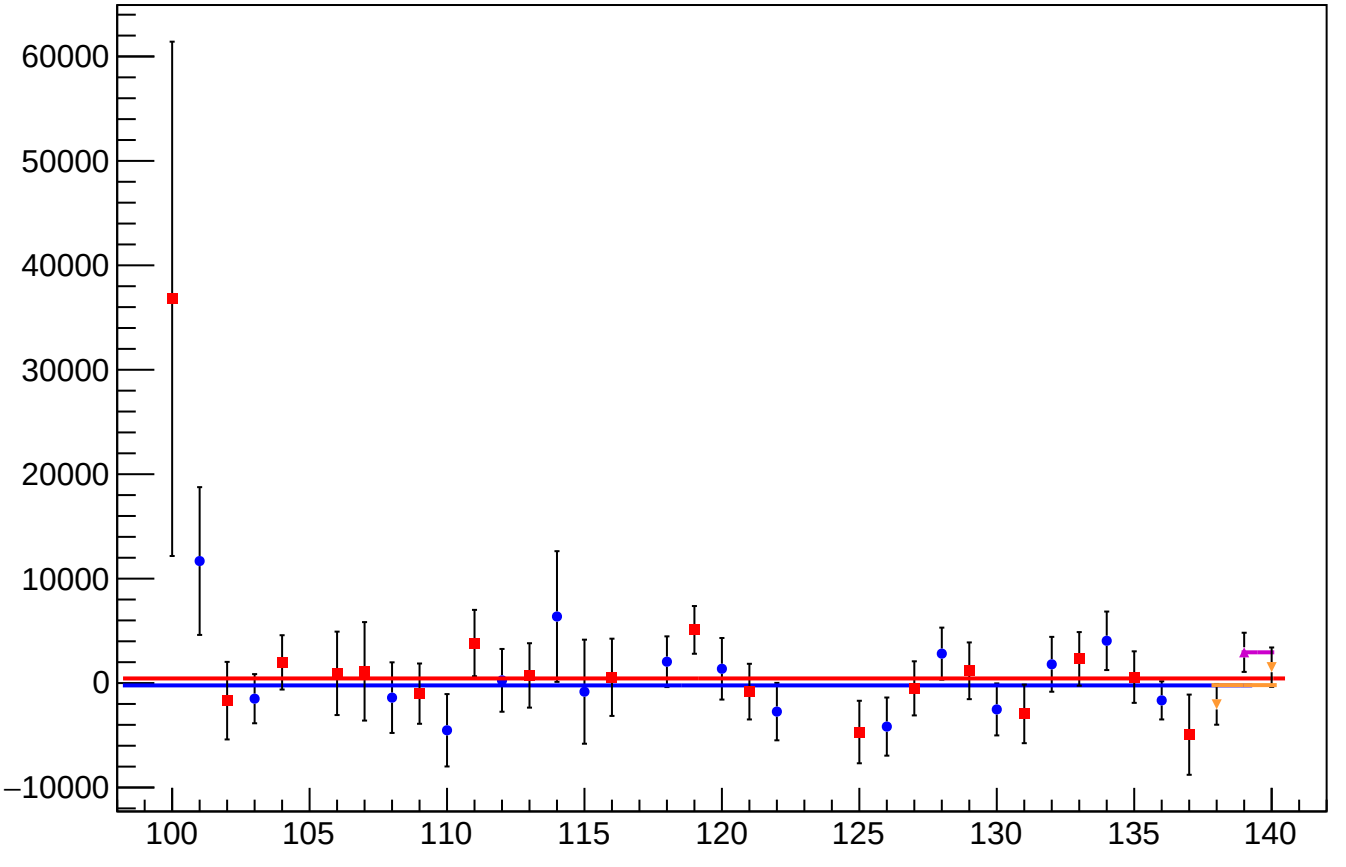
Left: 917.533+/-0.419 χ^2/NDF: 98970.1/2

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1357.444+/-0.354 χ^2/NDF:1270304.6/16

Out: 1227.877+/-0.314 χ^2/NDF:2094649.1/19

All: 1284.875+/-0.235 χ^2/NDF: 3440094.2/36



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: -195.332+/-1355.303 χ^2/NDF:1.7/1

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 2944.230+/-1874.928 χ^2/NDF:0.0/0

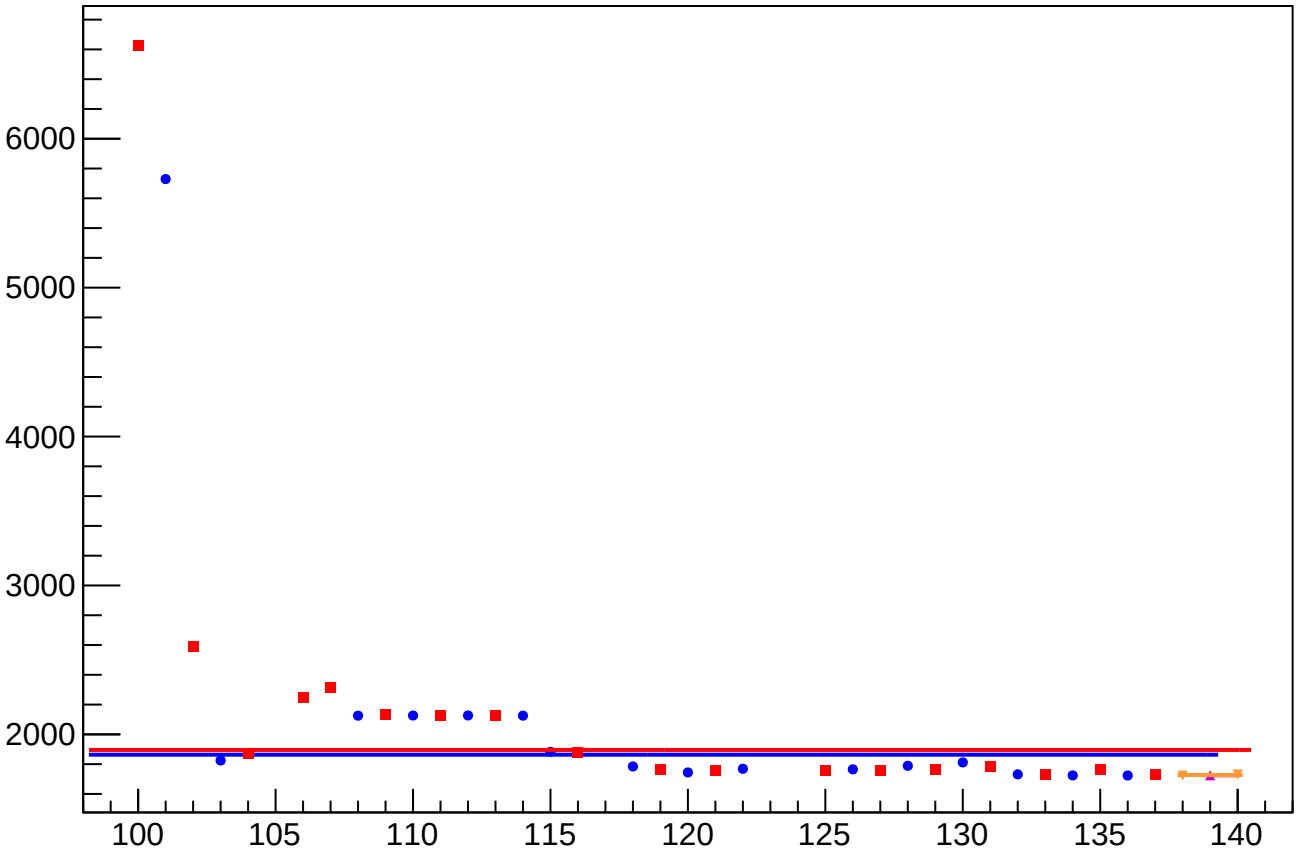
Left: 882.149+/-1098.386 χ^2/NDF: 3.6/2

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 172.728+/-663.292 χ^2/NDF:18.3/16

Out: 304.617+/-631.076 χ^2/NDF:17.7/19

All: 241.953+/-457.203 χ^2/NDF: 36.0/36



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1727.011+/-0.958 χ^2/NDF:15.1/1

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1725.151+/-1.326 χ^2/NDF:0.0/0

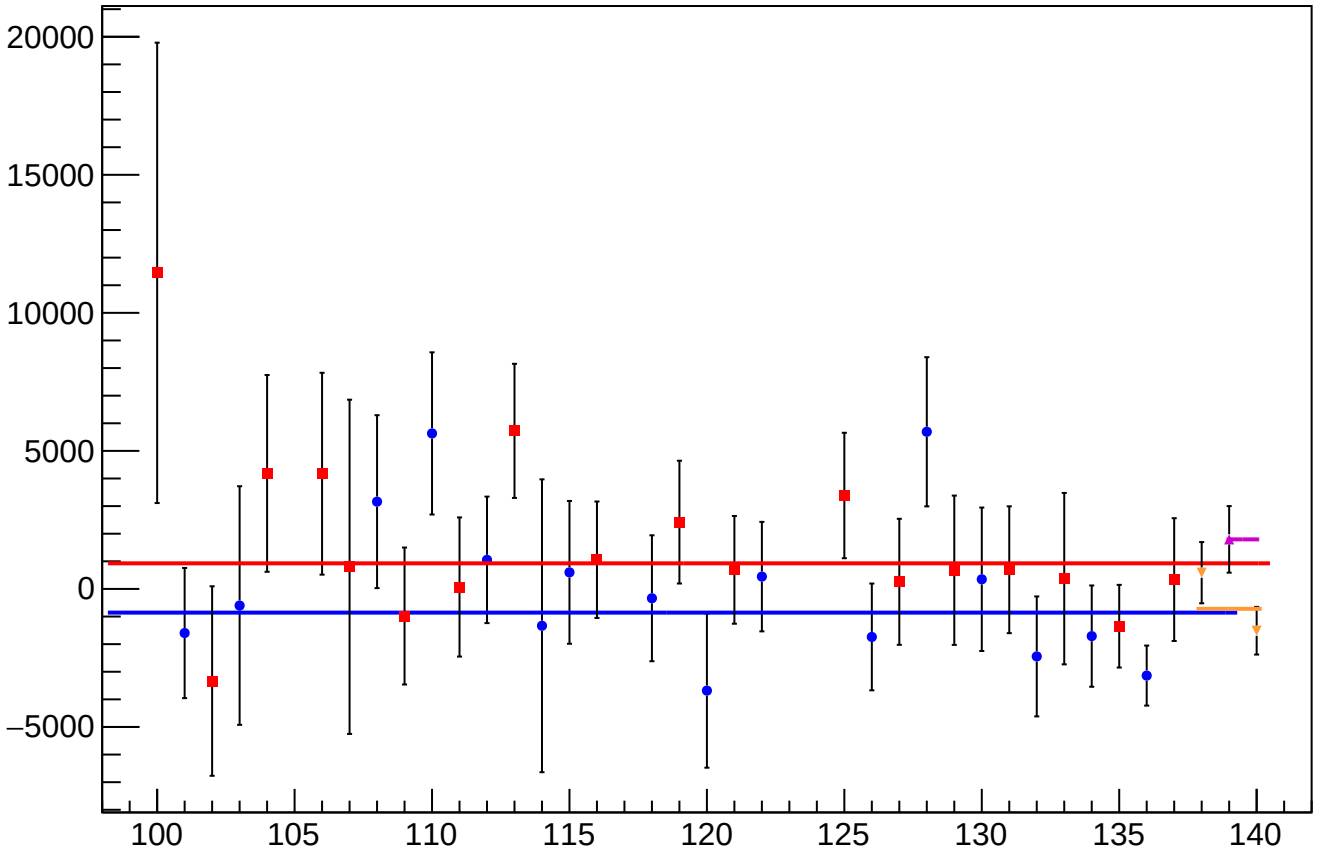
Left: 1726.373+/-0.777 χ^2/NDF: 16.4/2

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1846.256+/-0.469 χ^2/NDF:684203.3/16

Out: 1858.962+/-0.446 χ^2/NDF:283392.6/19

All: 1852.925+/-0.323 χ^2/NDF: 967981.2/36



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -720.454+/-681.223 χ^2/NDF:2.2/1

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 1794.752+/-1206.021 χ^2/NDF:0.0/0

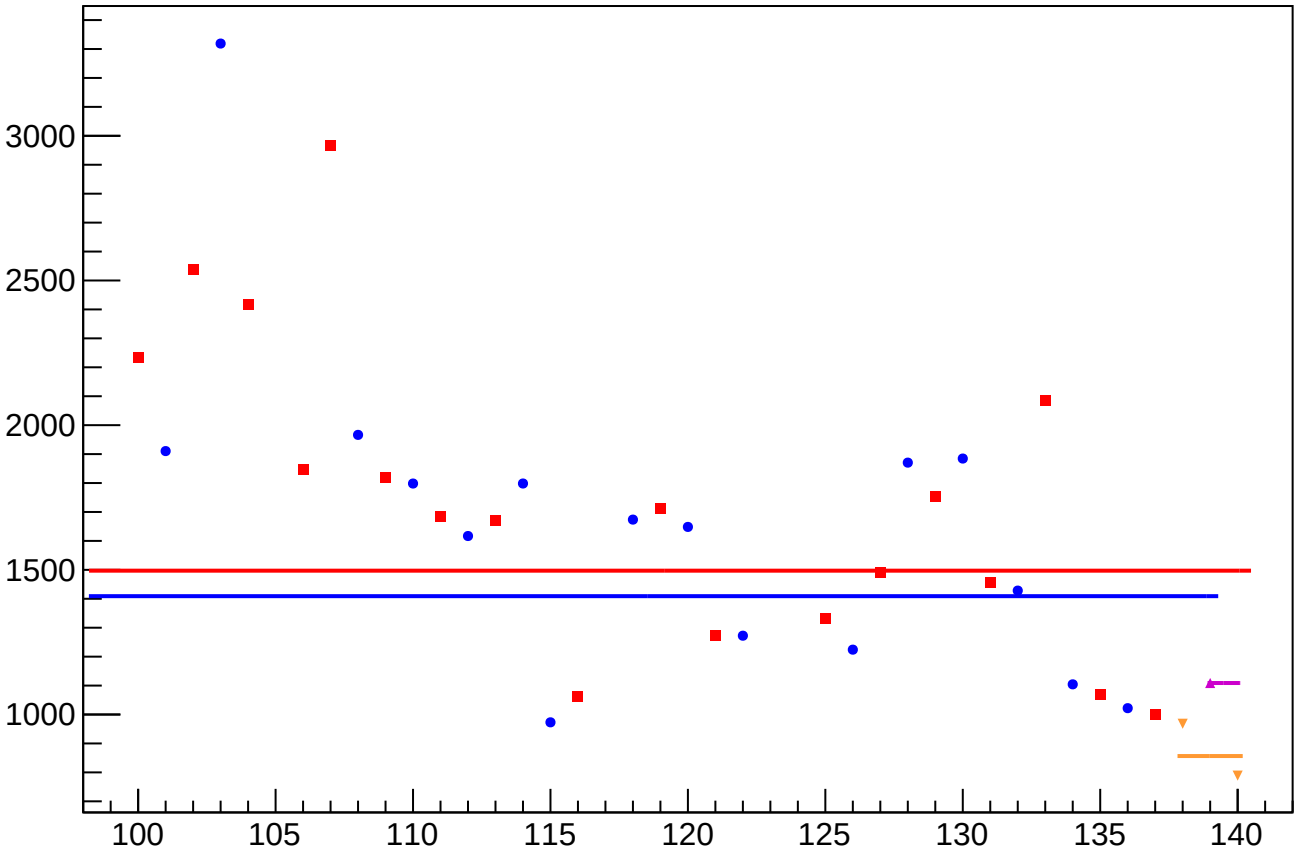
Left: -112.069+/-593.140 χ^2/NDF: 5.5/2

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -401.717+/-500.229 χ^2/NDF:24.6/16

Out: 228.014+/-443.763 χ^2/NDF:19.1/19

All: -49.318+/-331.964 χ^2/NDF: 44.6/36



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 856.489+/-0.482 χ^2/NDF:32545.1/1

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 1108.877+/-0.853 χ^2/NDF:0.0/0

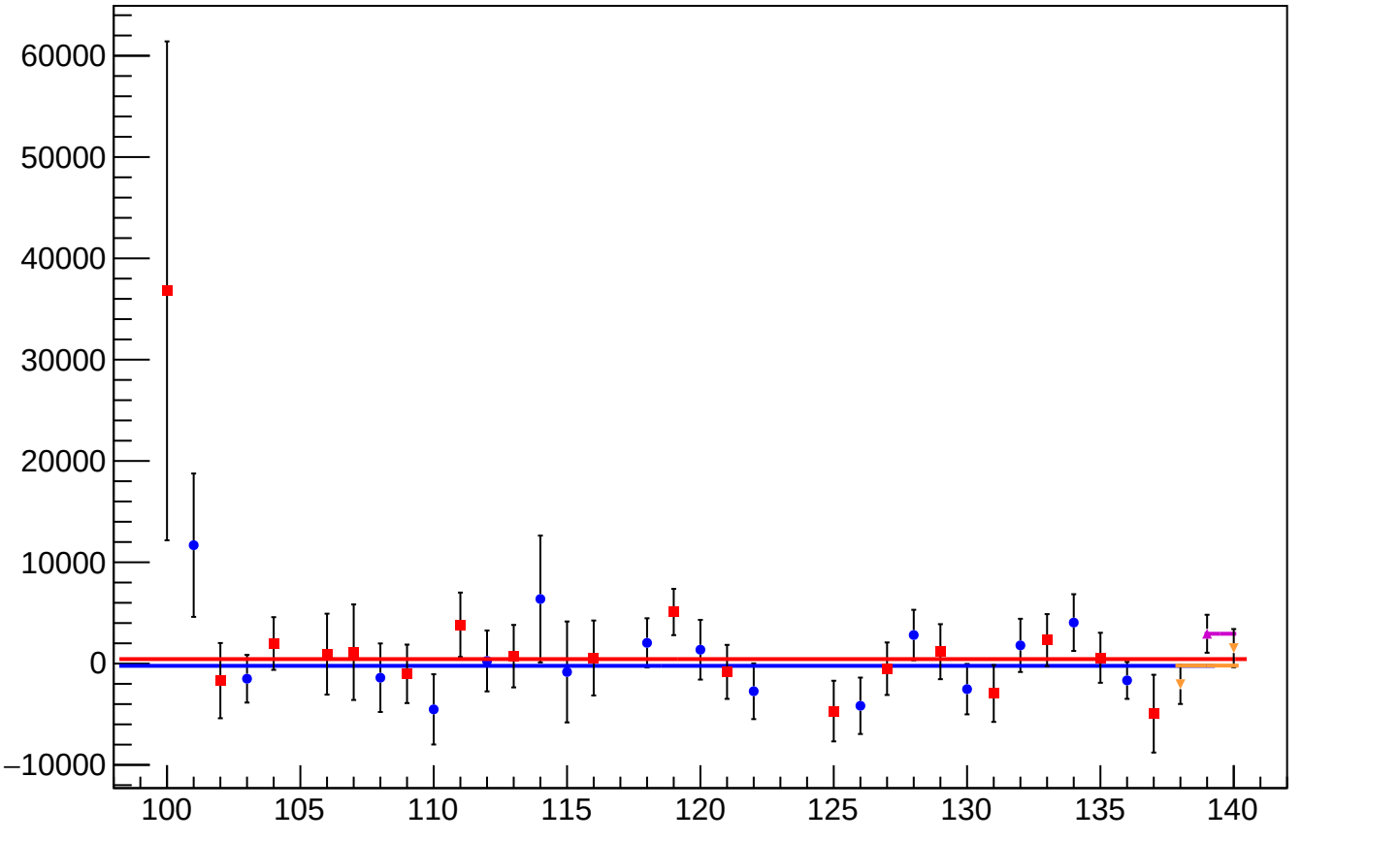
Left: 917.537+/-0.419 χ^2/NDF: 98949.1/2

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1357.382+/-0.354 χ^2/NDF:1269626.3/16

Out: 1225.285+/-0.314 χ^2/NDF:2068944.3/19

All: 1283.460+/-0.235 χ^2/NDF: 3416617.9/36



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: -195.332+/-1355.303 χ^2/NDF:1.7/1

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 2944.230+/-1874.928 χ^2/NDF:0.0/0

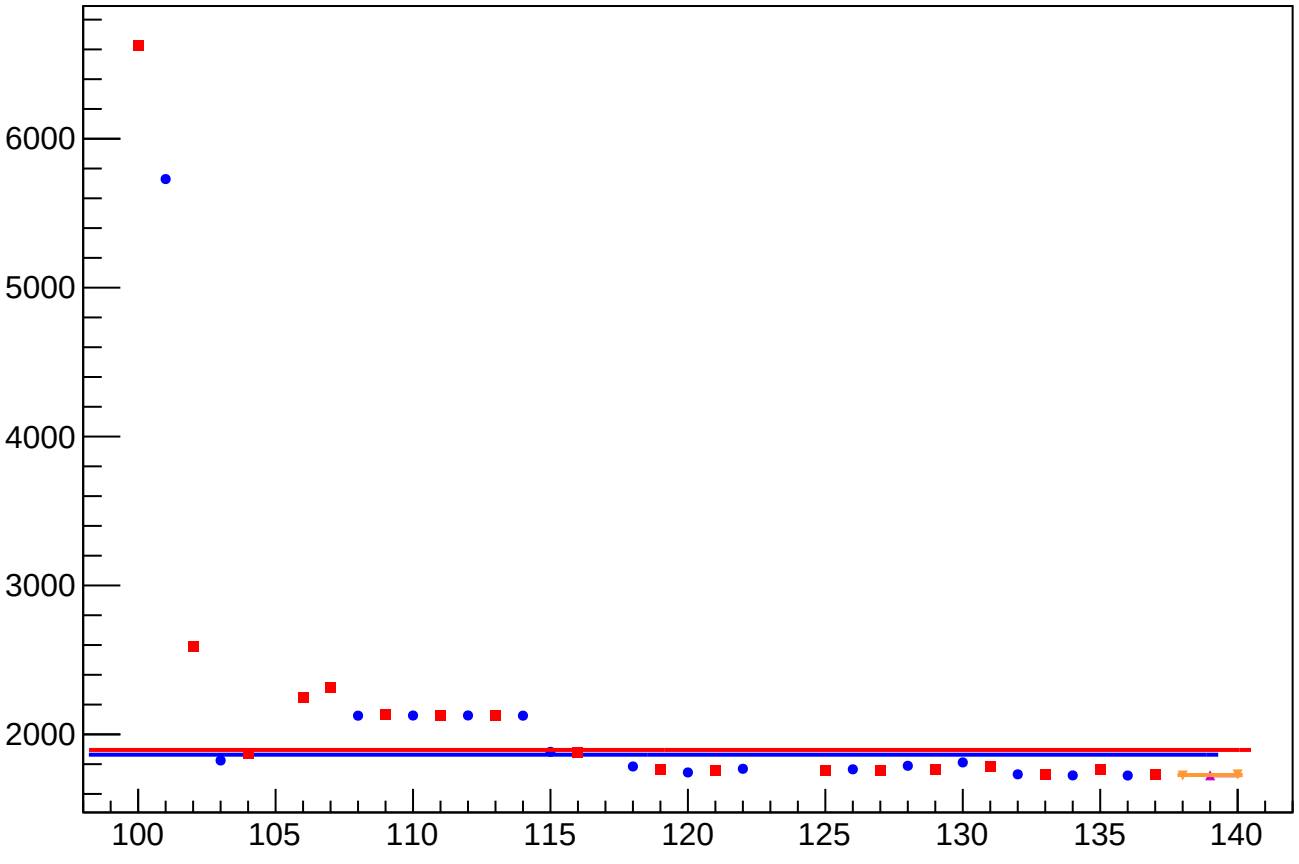
Left: 882.149+/-1098.386 χ^2/NDF: 3.6/2

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 172.728+/-663.292 χ^2/NDF:18.3/16

Out: 304.617+/-631.076 χ^2/NDF:17.7/19

All: 241.953+/-457.203 χ^2/NDF: 36.0/36



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1727.011+/-0.958 χ^2/NDF:15.1/1

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1725.151+/-1.326 χ^2/NDF:0.0/0

Left: 1726.373+/-0.777 χ^2/NDF: 16.4/2

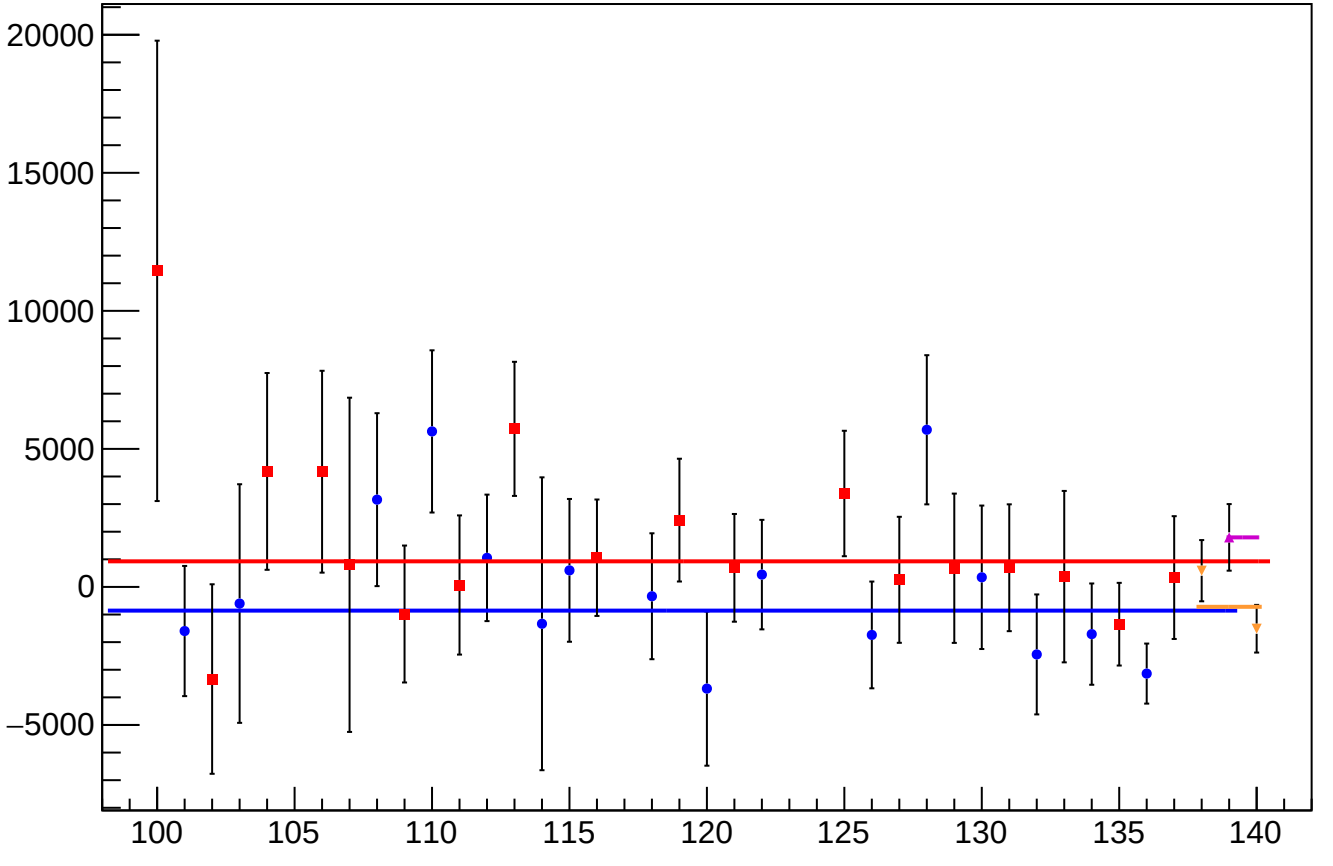
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1846.256+/-0.469 χ^2/NDF:684203.3/16

Out: 1858.962+/-0.446 χ^2/NDF:283392.6/19

All: 1852.925+/-0.323 χ^2/NDF: 967981.2/36

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -720.454+/-681.223 χ^2/NDF:2.2/1

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 1794.752+/-1206.021 χ^2/NDF:0.0/0

Left: -112.069+/-593.140 χ^2/NDF: 5.5/2

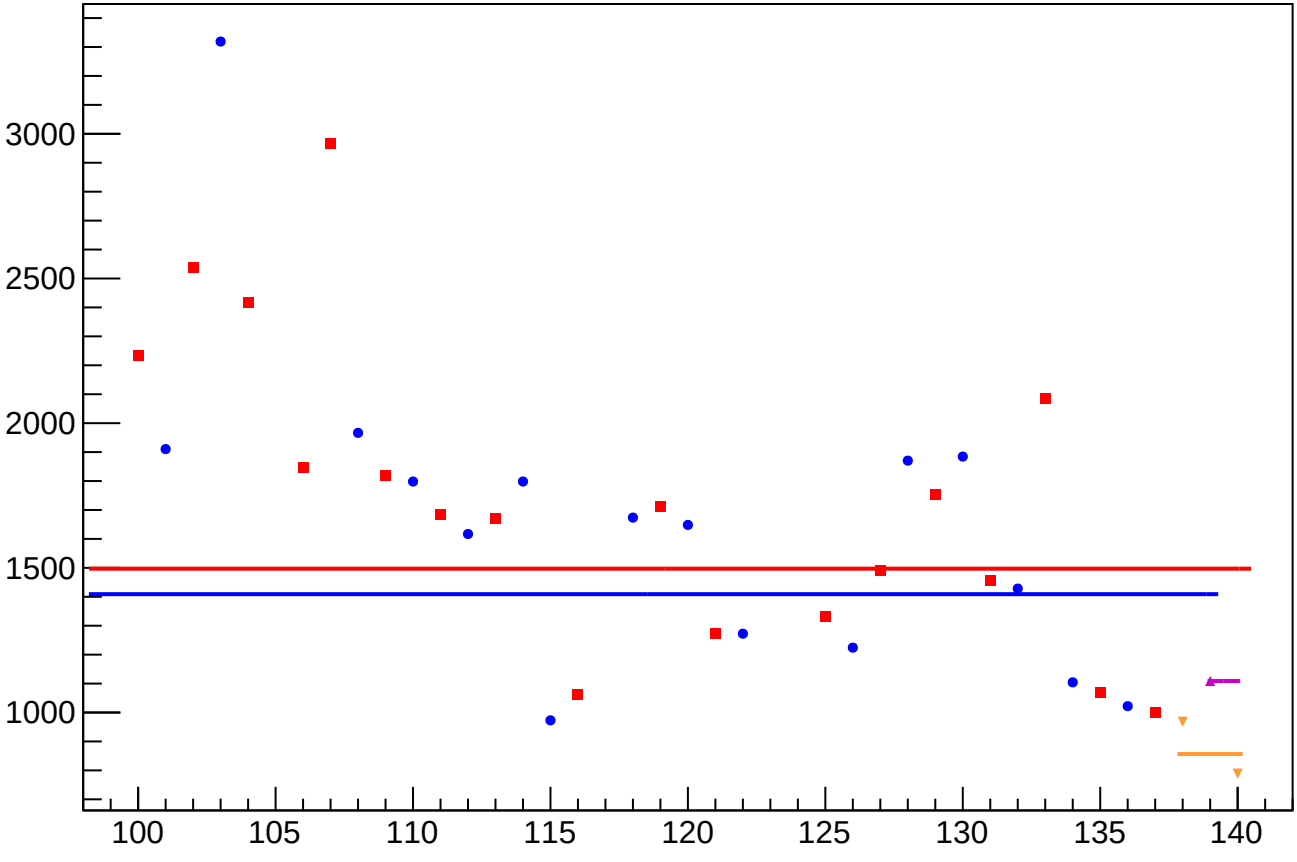
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -401.717+/-500.229 χ^2/NDF:24.6/16

Out: 228.014+/-443.763 χ^2/NDF:19.1/19

All: -49.318+/-331.964 χ^2/NDF: 44.6/36

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 856.489+/-0.482 χ^2/NDF:32545.1/1

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 1108.877+/-0.853 χ^2/NDF:0.0/0

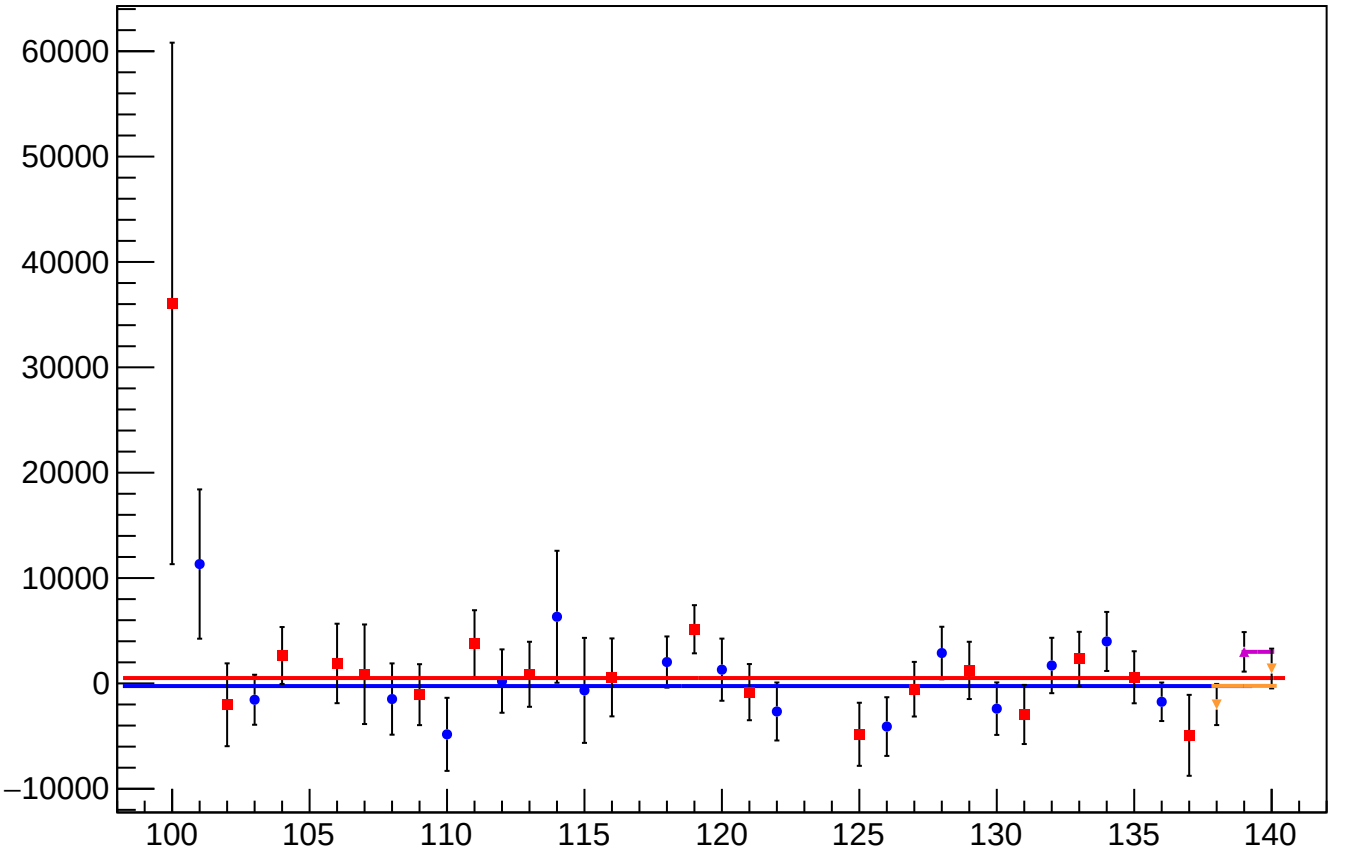
Left: 917.537+/-0.419 χ^2/NDF: 98949.1/2

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1357.382+/-0.354 χ^2/NDF:1269626.3/16

Out: 1225.285+/-0.314 χ^2/NDF:2068944.3/19

All: 1283.460+/-0.235 χ^2/NDF: 3416617.9/36



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: -235.070+/-1356.445 χ^2/NDF:1.6/1

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 2995.792+/-1875.866 χ^2/NDF:0.0/0

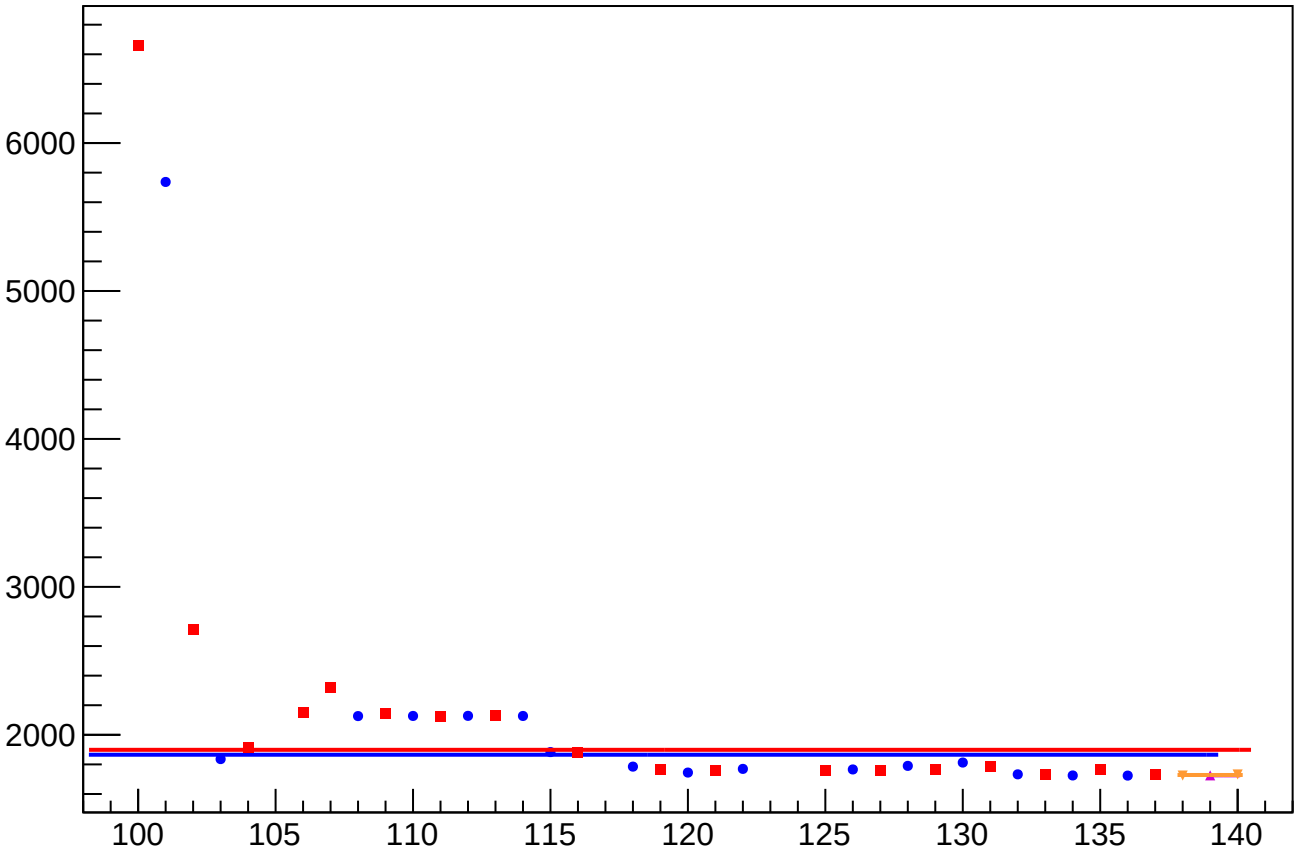
Left: 874.243+/-1099.182 χ^2/NDF: 3.5/2

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 154.917+/-664.006 χ^2/NDF:18.3/16

Out: 347.931+/-632.815 χ^2/NDF:18.2/19

All: 256.064+/-458.098 χ^2/NDF: 36.5/36



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1728.466+/-0.959 χ^2/NDF:14.8/1

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1726.014+/-1.326 χ^2/NDF:0.0/0

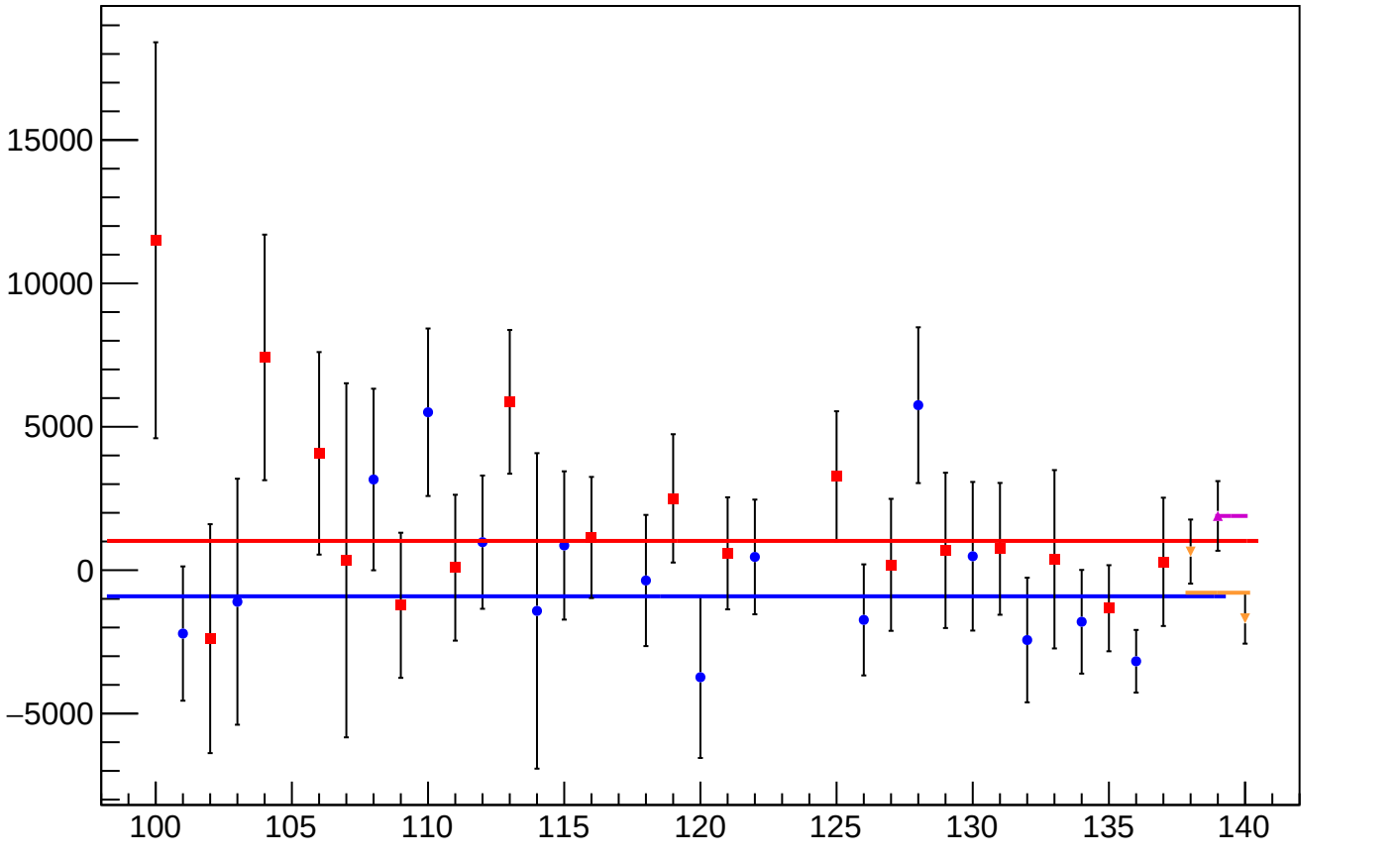
Left: 1727.624+/-0.777 χ^2/NDF: 17.1/2

Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1847.970+/-0.470 χ^2/NDF:684653.9/16

Out: 1861.574+/-0.447 χ^2/NDF:293741.4/19

All: 1855.099+/-0.324 χ^2/NDF: 978835.2/36



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -786.395+/-692.396 χ^2/NDF:2.7/1

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 1891.124+/-1214.666 χ^2/NDF:0.0/0

Left: -129.745+/-601.530 χ^2/NDF: 6.3/2

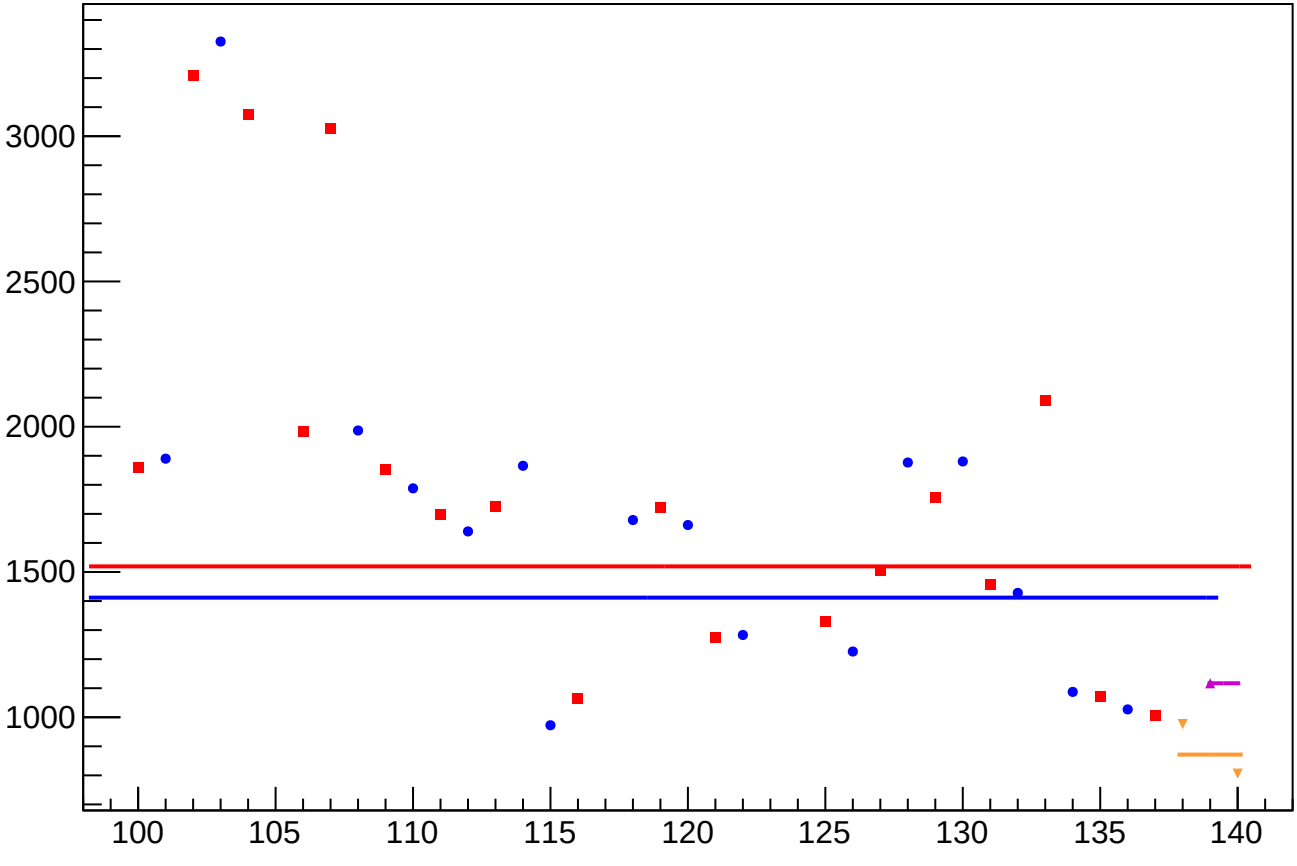
Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -432.997+/-501.662 χ^2/NDF:25.4/16

Out: 257.811+/-449.780 χ^2/NDF:21.5/19

All: -50.035+/-334.888 χ^2/NDF: 48.0/36

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 871.505+/-0.490 χ^2/NDF:28717.1/1

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 1117.006+/-0.859 χ^2/NDF:0.0/0

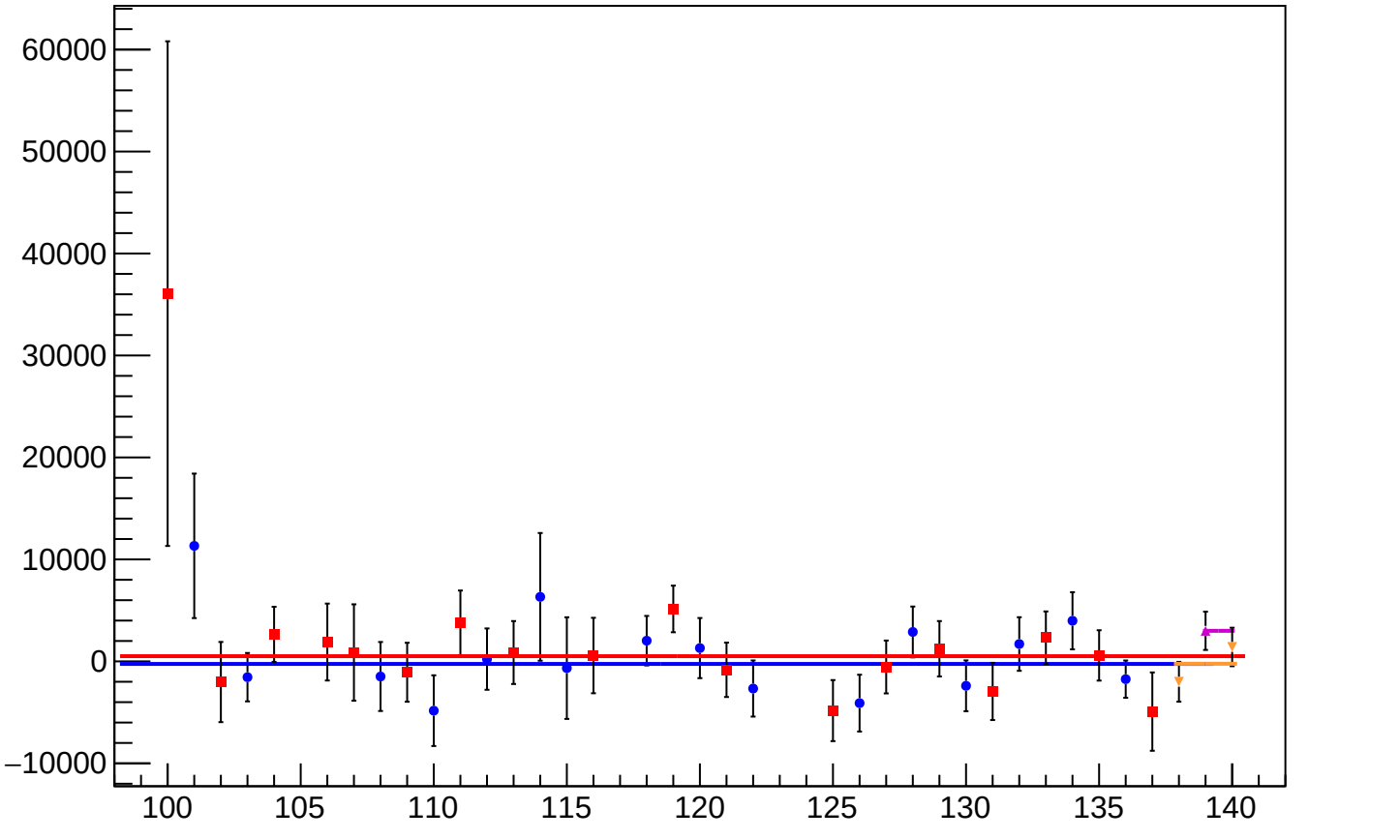
Left: 931.713+/-0.425 χ^2/NDF: 90380.3/2

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1361.473+/-0.355 χ^2/NDF:1275419.6/16

Out: 1245.947+/-0.318 χ^2/NDF:2400782.3/19

All: 1297.429+/-0.237 χ^2/NDF: 3735000.0/36



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: -235.068+/-1356.445 χ^2/NDF:1.6/1

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 2995.800+/-1875.866 χ^2/NDF:0.0/0

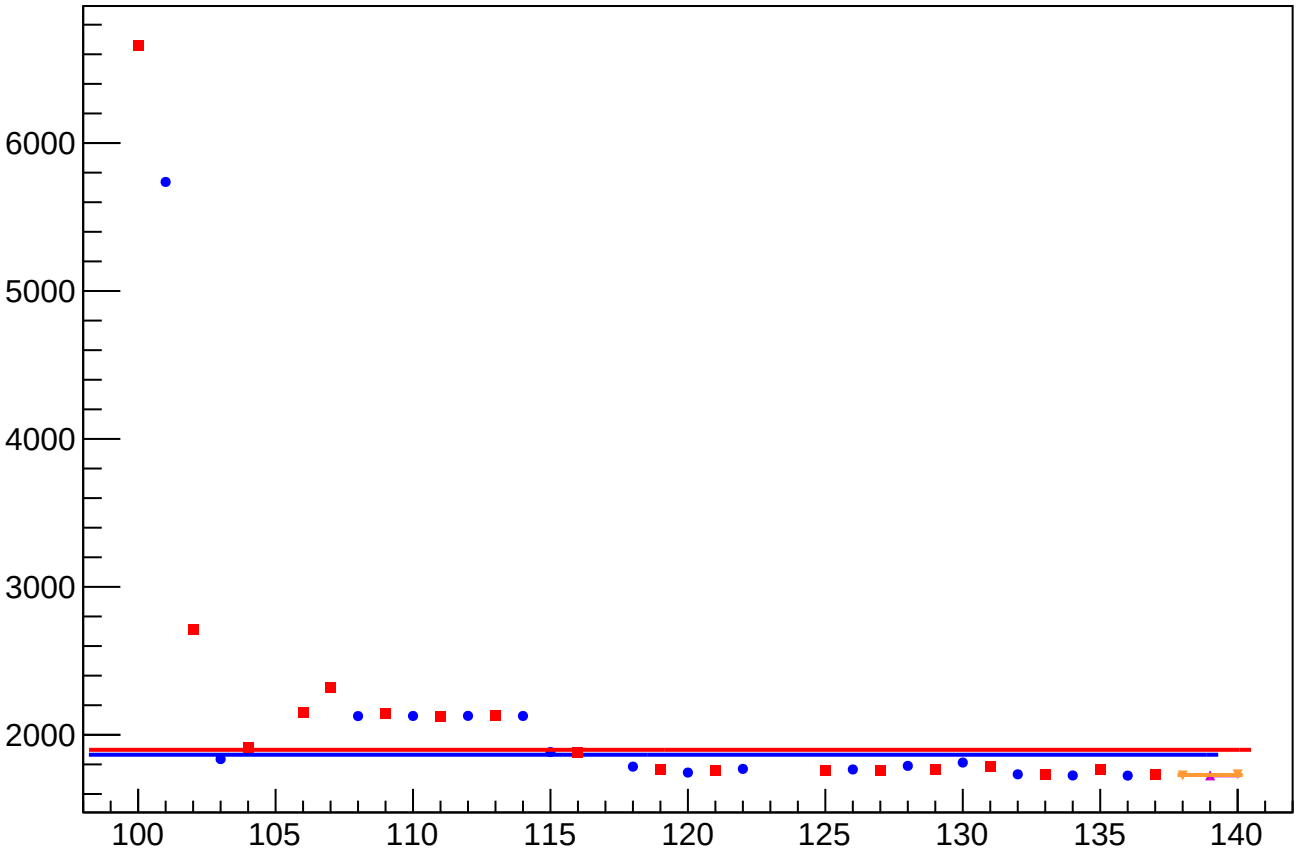
Left: 874.247+/-1099.182 χ^2/NDF: 3.5/2

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 154.919+/-664.006 χ^2/NDF:18.3/16

Out: 347.931+/-632.814 χ^2/NDF:18.2/19

All: 256.065+/-458.098 χ^2/NDF: 36.5/36



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1728.466+/-0.959 χ^2/NDF:14.8/1

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1726.014+/-1.326 χ^2/NDF:0.0/0

Left: 1727.624+/-0.777 χ^2/NDF: 17.1/2

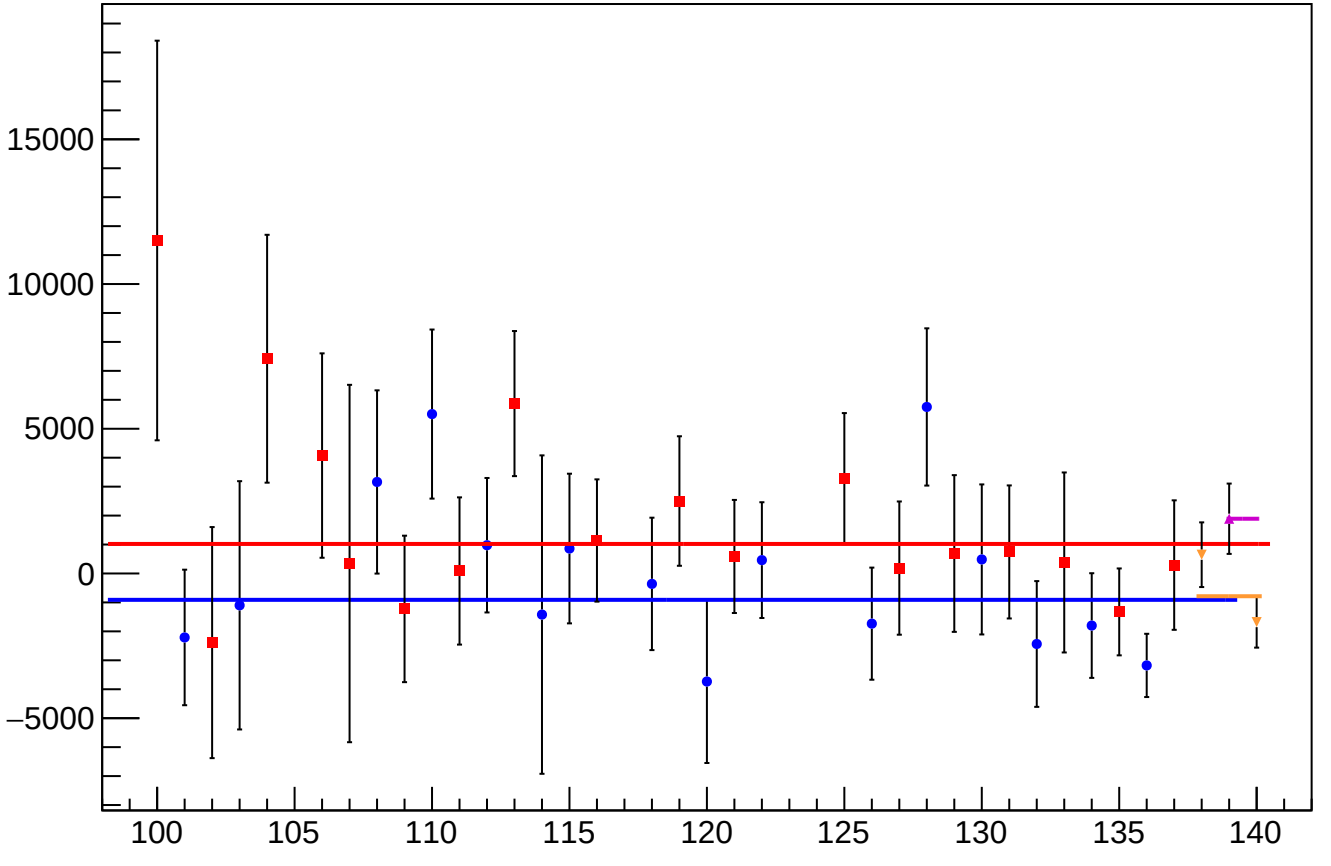
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1847.970+/-0.470 χ^2/NDF:684653.9/16

Out: 1861.574+/-0.447 χ^2/NDF:293741.1/19

All: 1855.099+/-0.324 χ^2/NDF: 978834.9/36

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -786.400+/-692.396 χ^2/NDF:2.7/1

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 1891.133+/-1214.671 χ^2/NDF:0.0/0

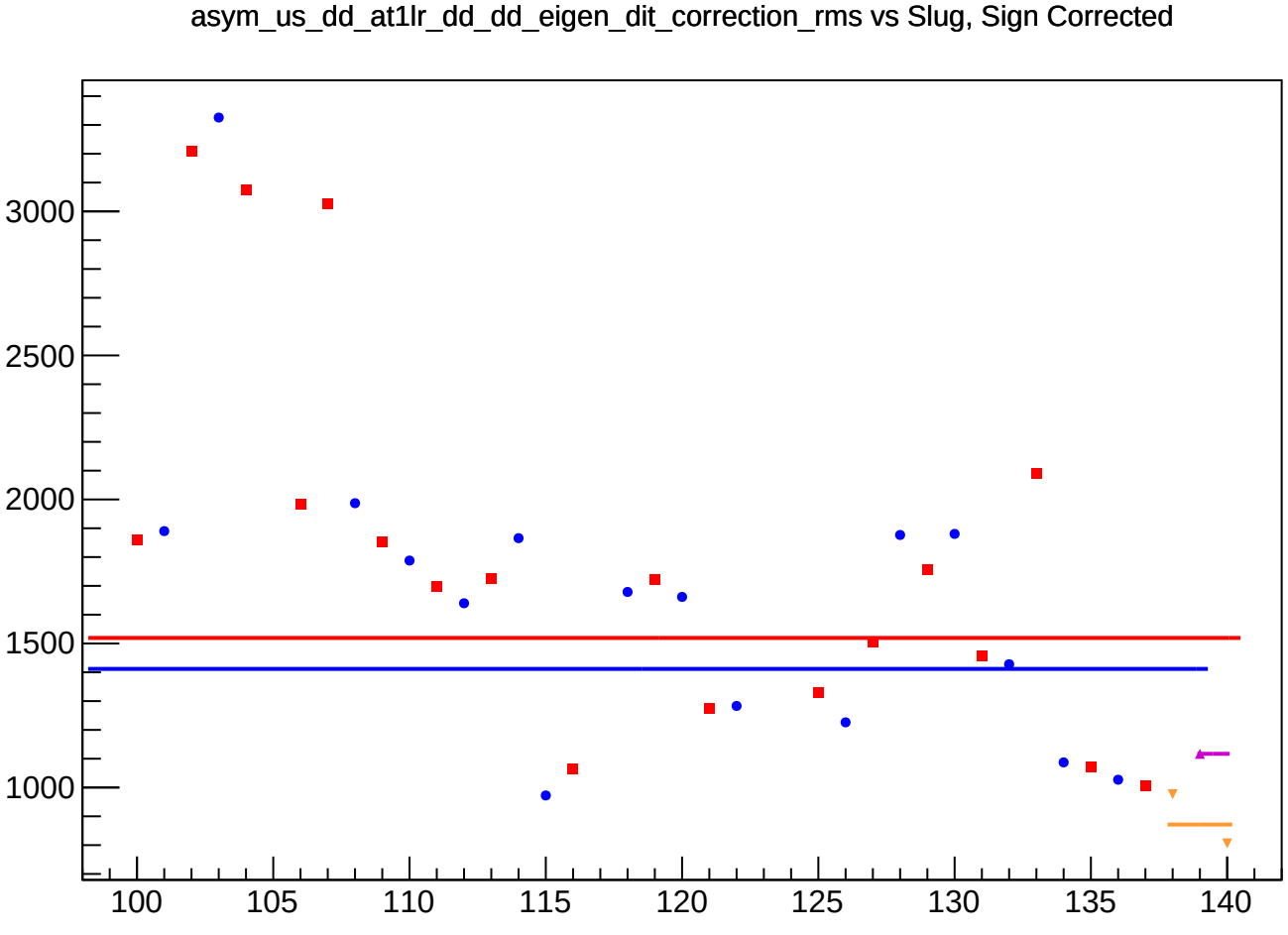
Left: -129.751+/-601.531 χ^2/NDF: 6.3/2

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -432.996+/-501.662 χ^2/NDF:25.4/16

Out: 257.809+/-449.779 χ^2/NDF:21.5/19

All: -50.035+/-334.887 χ^2/NDF: 48.0/36



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 871.504+/-0.490 χ^2/NDF:28718.9/1

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 1117.010+/-0.859 χ^2/NDF:0.0/0

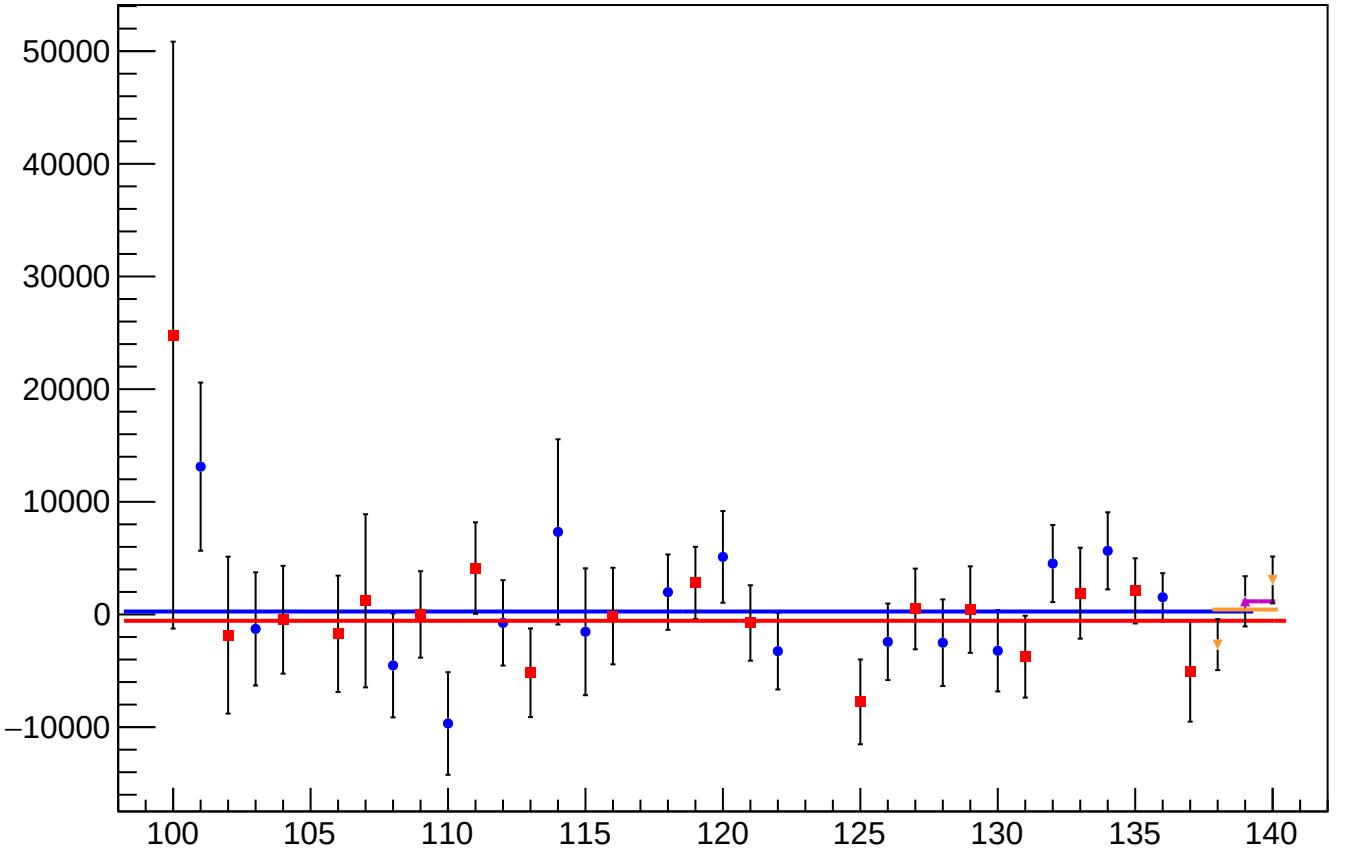
Left: 931.713+/-0.425 χ^2/NDF: 90384.4/2

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1361.472+/-0.355 χ^2/NDF:1275414.8/16

Out: 1245.946+/-0.318 χ^2/NDF:2400785.9/19

All: 1297.428+/-0.237 χ^2/NDF: 3734999.2/36



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 436.999+/-1531.070 χ^2/NDF:3.5/1

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 1167.577+/-2230.830 χ^2/NDF:0.0/0

Left: 670.936+/-1262.359 χ^2/NDF: 3.6/2

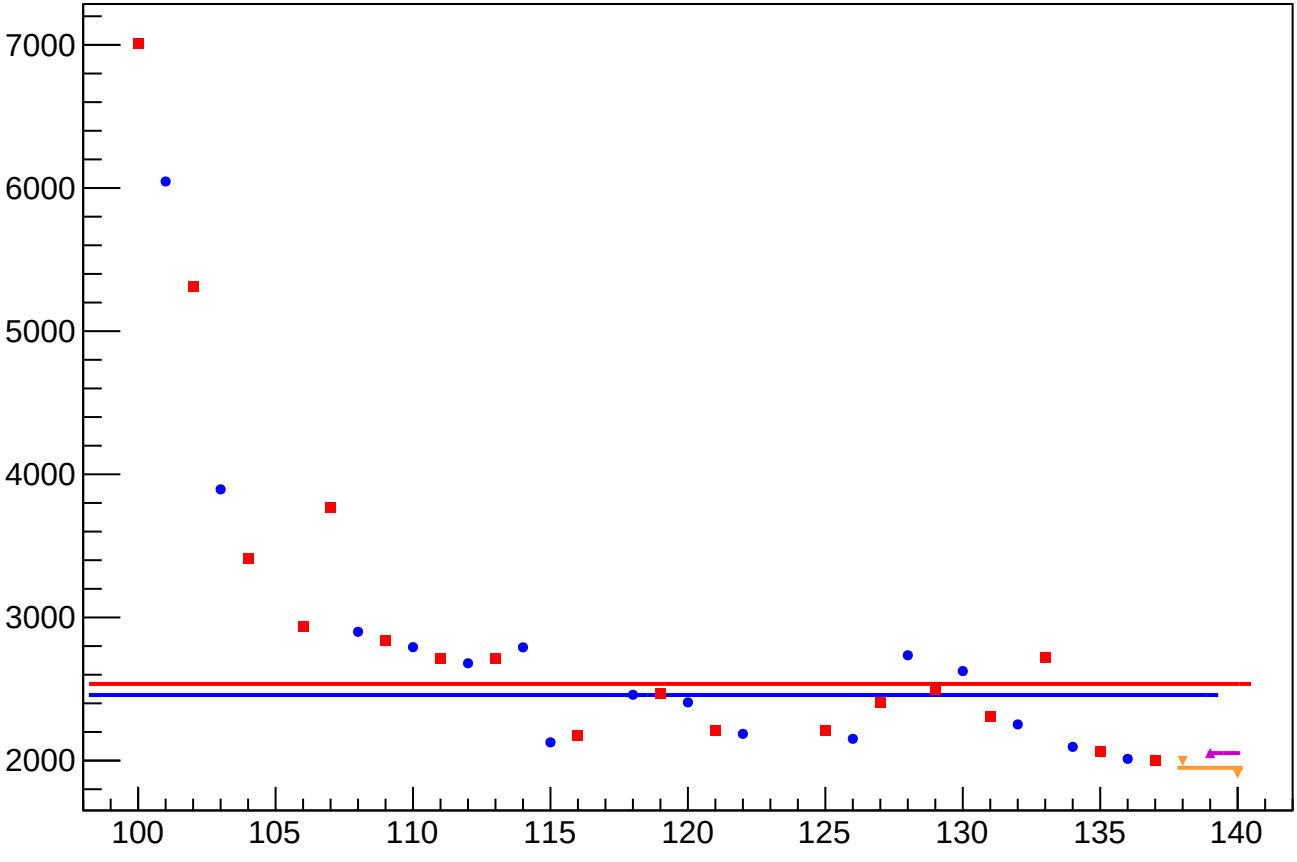
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 401.053+/-867.788 χ^2/NDF:19.2/16

Out: -278.099+/-815.129 χ^2/NDF:15.5/19

All: 40.247+/-594.128 χ^2/NDF: 35.0/36

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1949.824+/-1.083 χ^2/NDF:1660.5/1

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 2052.532+/-1.577 χ^2/NDF:0.0/0

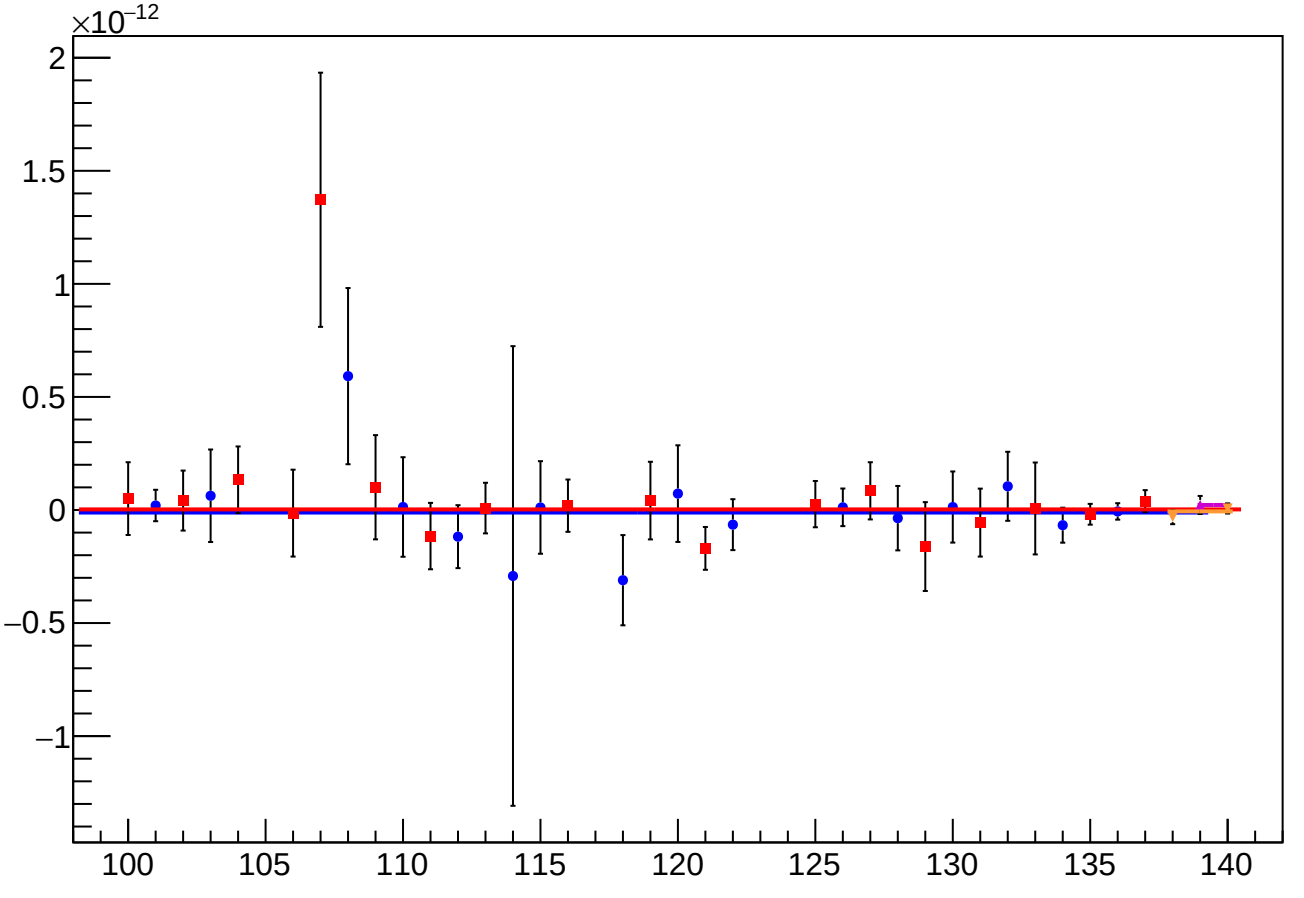
Left: 1982.712+/-0.893 χ^2/NDF: 4542.4/2

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2396.926+/-0.614 χ^2/NDF:889053.6/16

Out: 2369.698+/-0.576 χ^2/NDF:884904.3/19

All: 2382.461+/-0.420 χ^2/NDF: 1775003.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

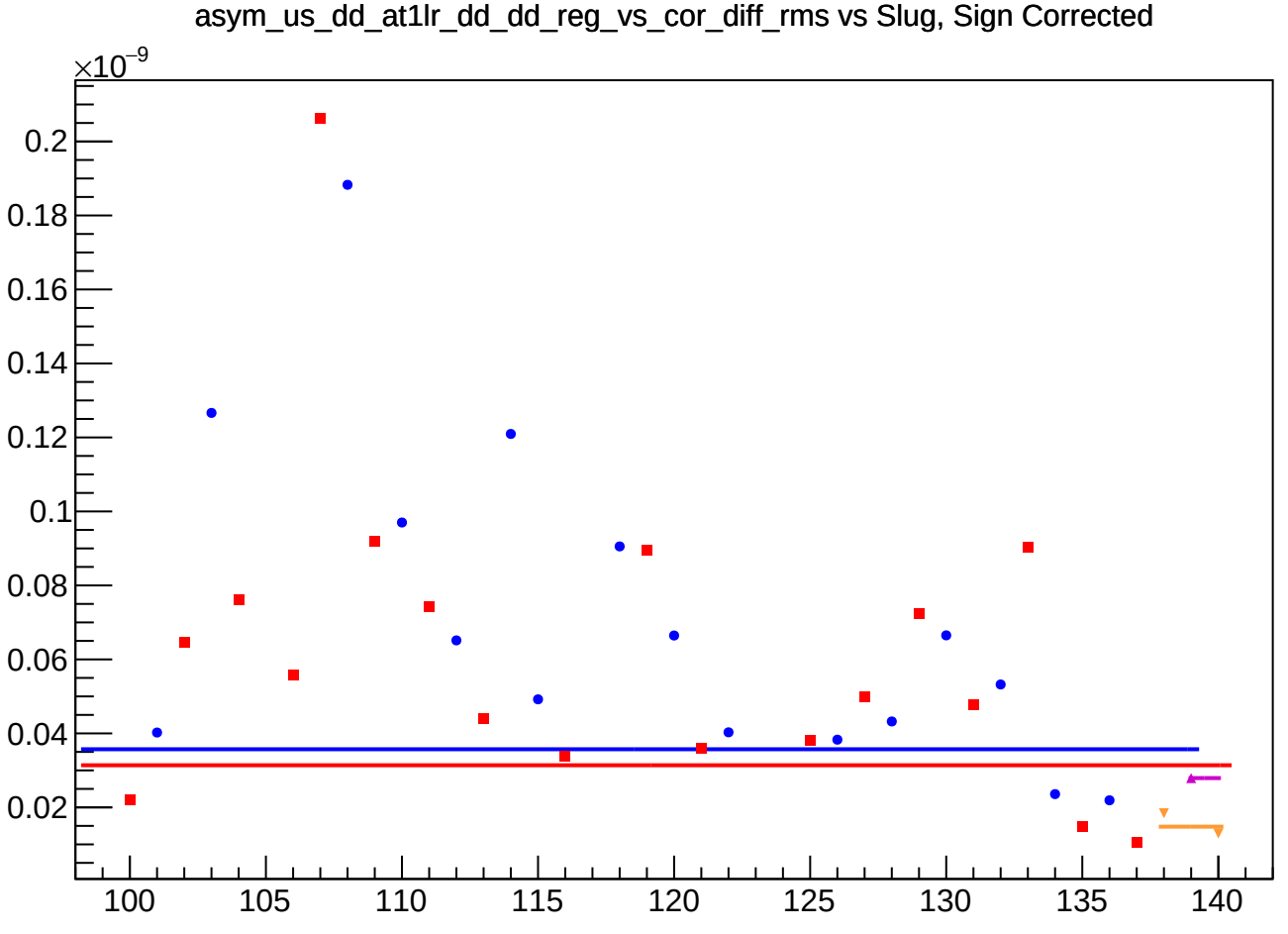
Left: -0.000+/-0.000 χ^2/NDF: 1.4/2

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:7.8/16

Out: -0.000+/-0.000 χ^2/NDF:14.3/19

All: -0.000+/-0.000 χ^2/NDF: 22.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:40269.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 218734.1/2

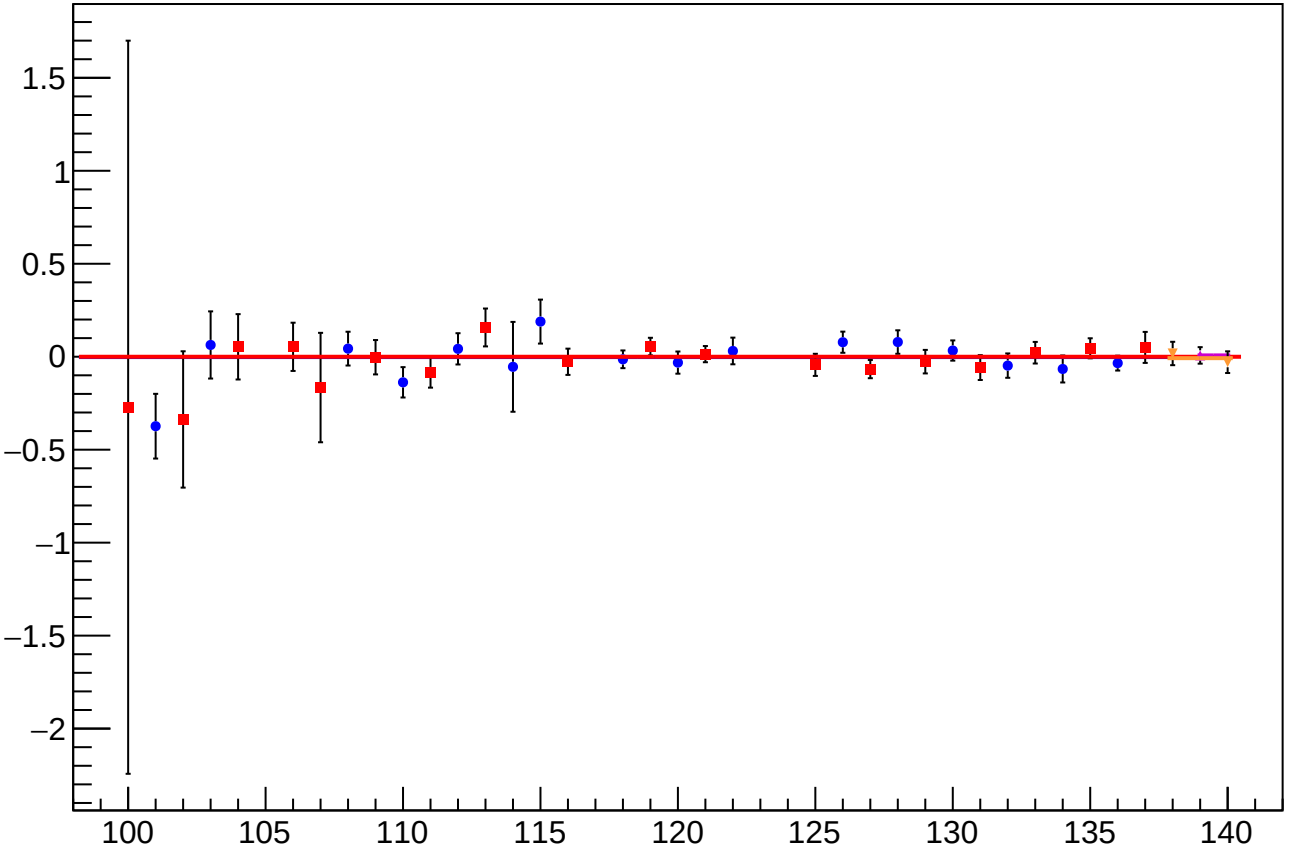
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:1675482.2/16

Out: 0.000+/-0.000 χ^2/NDF:2703282.8/19

All: 0.000+/-0.000 χ^2/NDF: 4884757.6/36

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.008+/-0.043 χ^2/NDF:0.3/1

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.007+/-0.044 χ^2/NDF:0.0/0

Left: -0.001+/-0.031 χ^2/NDF: 0.4/2

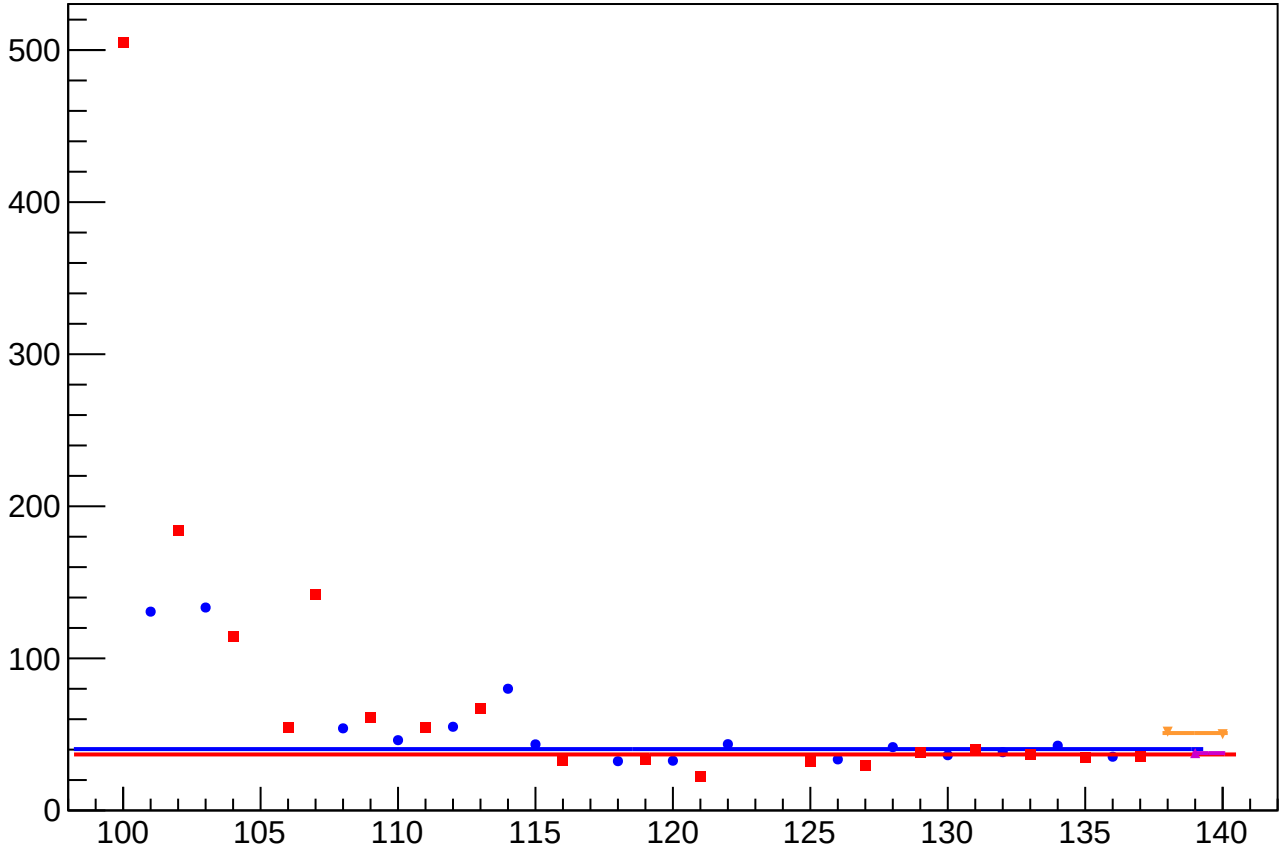
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.001+/-0.016 χ^2/NDF:17.2/16

Out: -0.001+/-0.016 χ^2/NDF:11.2/19

All: -0.001+/-0.011 χ^2/NDF: 28.4/36

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 50.902+/-0.030 χ^2/NDF:749.1/1

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.718+/-0.031 χ^2/NDF:0.0/0

Left: 44.559+/-0.022 χ^2/NDF: 92250.5/2

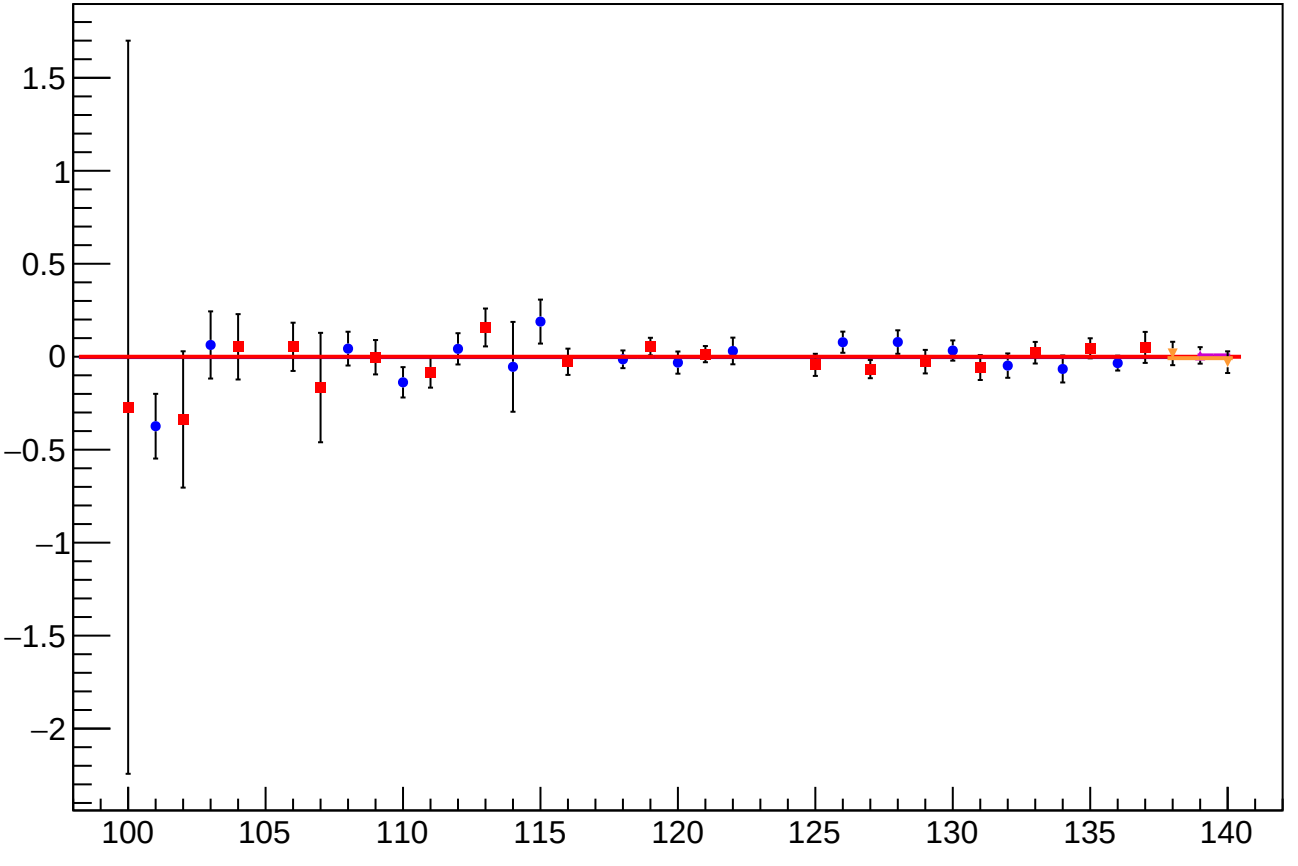
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 40.012+/-0.011 χ^2/NDF:1416265.3/16

Out: 38.682+/-0.011 χ^2/NDF:2026100.5/19

All: 39.329+/-0.008 χ^2/NDF: 3449514.0/36

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.008+/-0.043 χ^2/NDF:0.3/1

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.007+/-0.044 χ^2/NDF:0.0/0

Left: -0.001+/-0.031 χ^2/NDF: 0.4/2

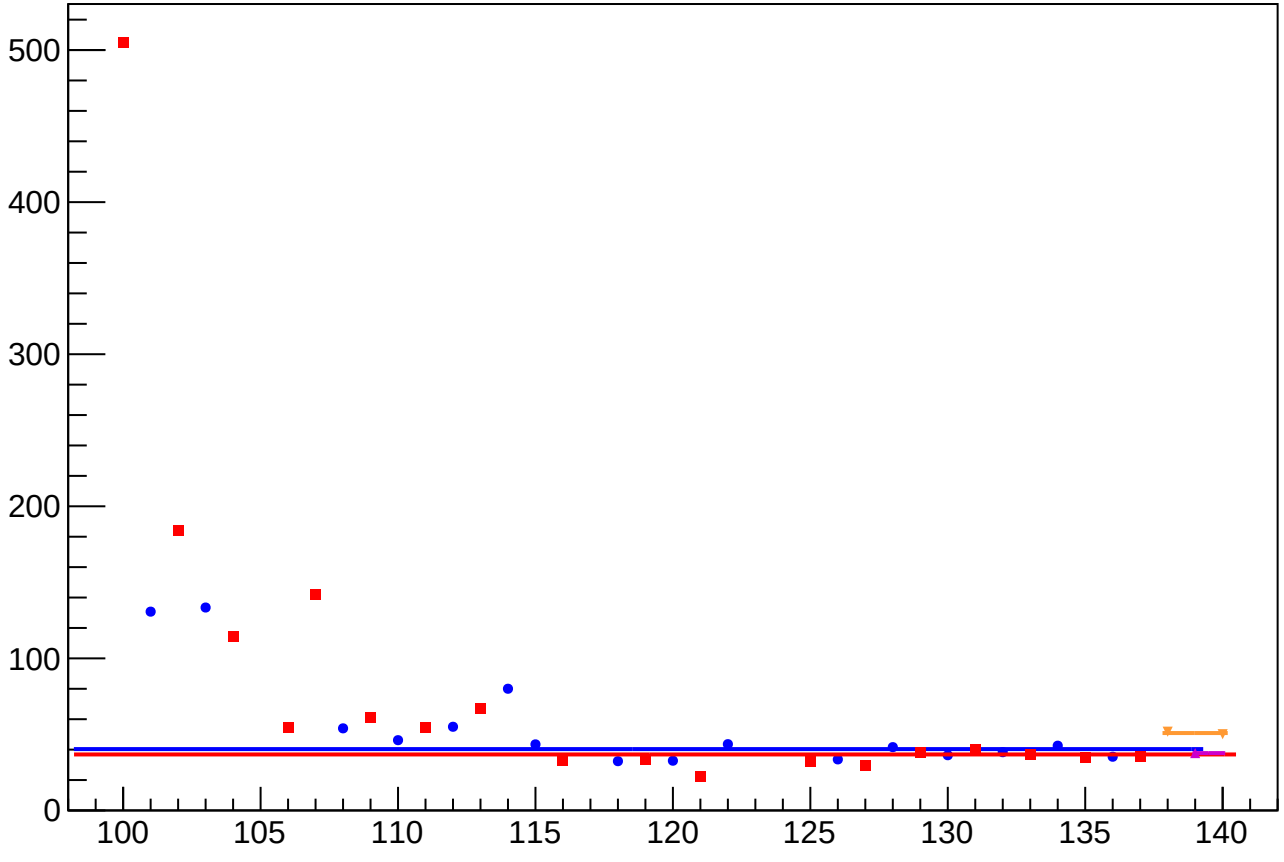
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.001+/-0.016 χ^2/NDF:17.2/16

Out: -0.001+/-0.016 χ^2/NDF:11.2/19

All: -0.001+/-0.011 χ^2/NDF: 28.4/36

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 50.902+/-0.030 χ^2/NDF:749.1/1

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.718+/-0.031 χ^2/NDF:0.0/0

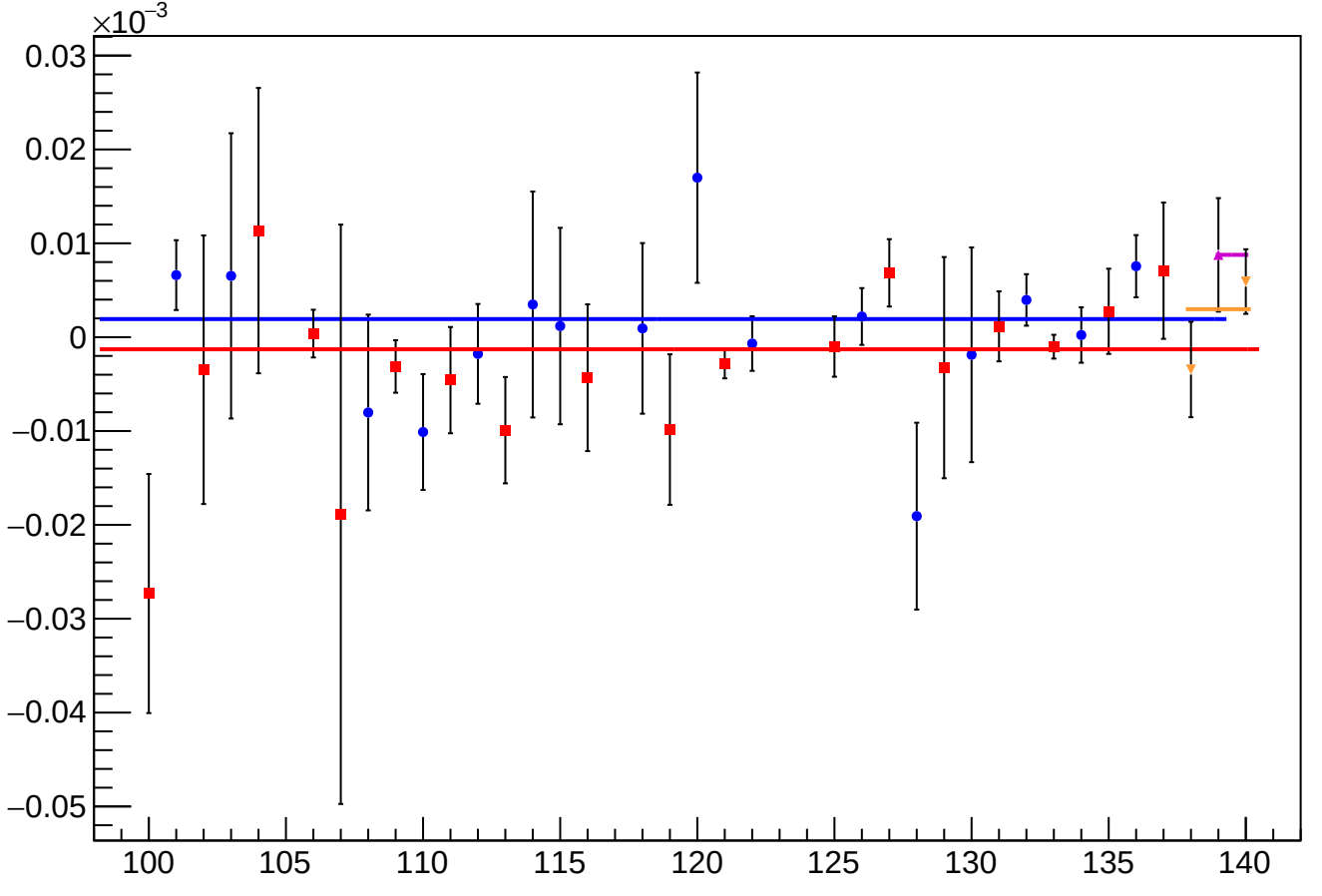
Left: 44.559+/-0.022 χ^2/NDF: 92250.5/2

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 40.012+/-0.011 χ^2/NDF:1416265.3/16

Out: 38.682+/-0.011 χ^2/NDF:2026100.5/19

All: 39.329+/-0.008 χ^2/NDF: 3449514.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 3.1/2

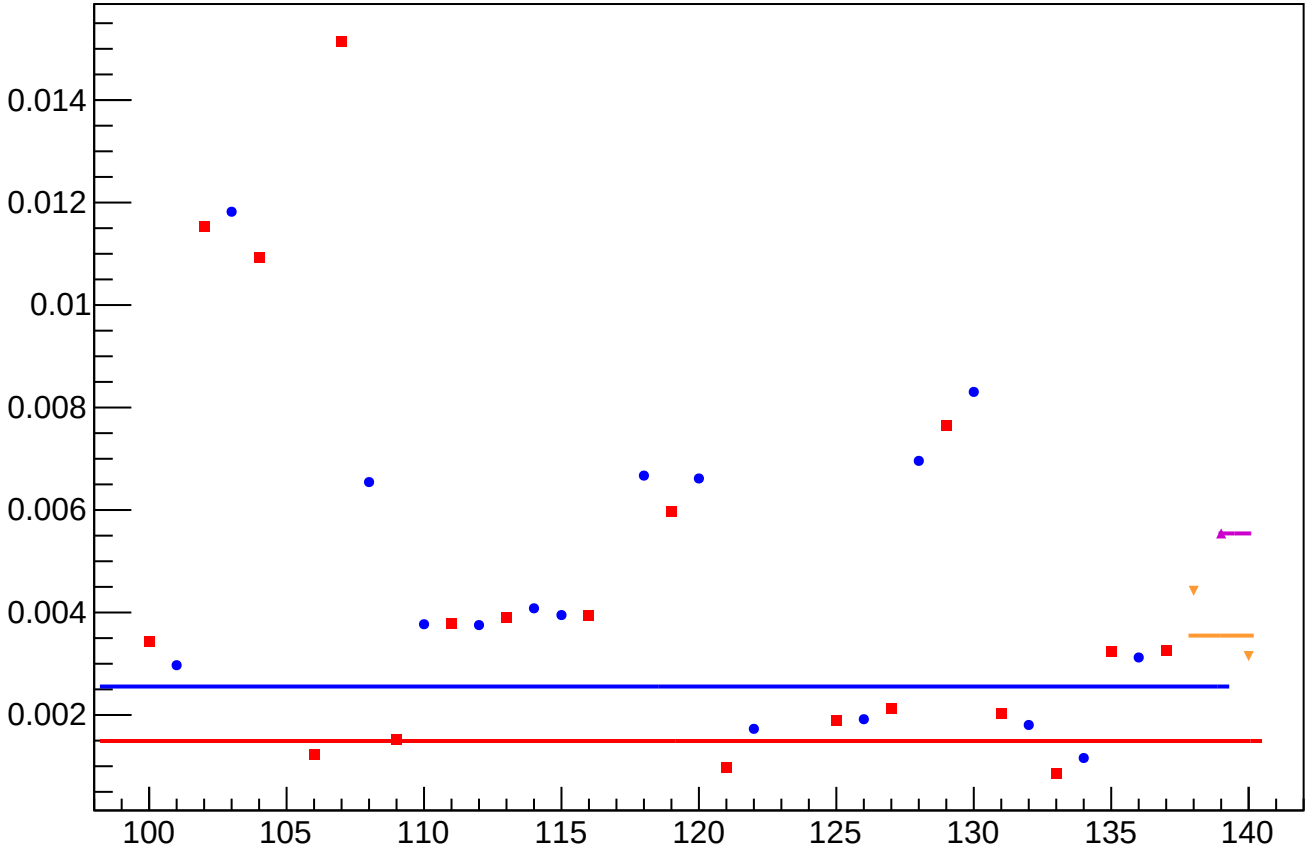
Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:19.1/16

Out: -0.000+/-0.000 χ^2/NDF:23.3/19

All: -0.000+/-0.000 χ^2/NDF: 48.1/36

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:86070.3/1

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.006+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 263946.0/2

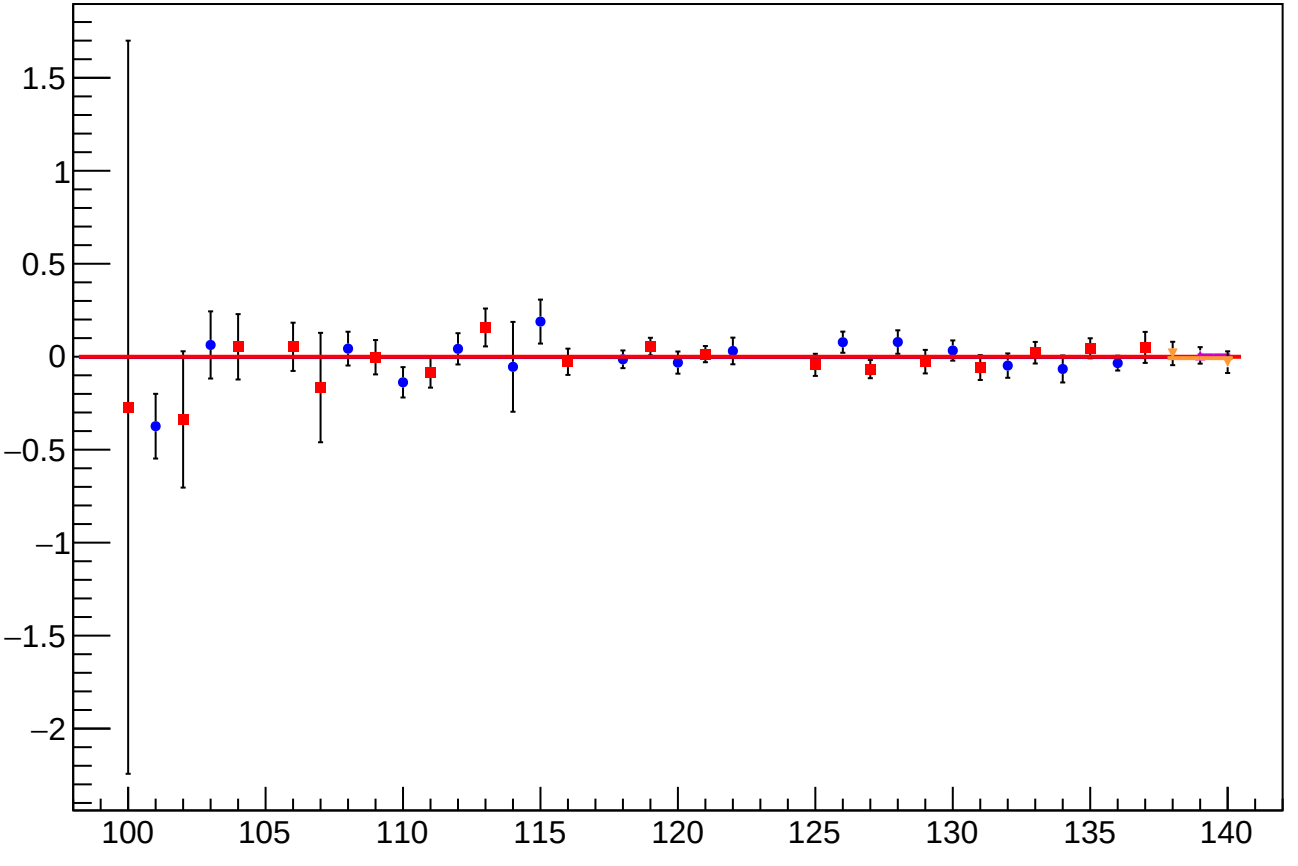
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:4253823.3/16

Out: 0.002+/-0.000 χ^2/NDF:6621717.9/19

All: 0.002+/-0.000 χ^2/NDF: 12067512.3/36

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.008+/-0.043 χ^2/NDF:0.3/1

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.007+/-0.044 χ^2/NDF:0.0/0

Left: -0.001+/-0.031 χ^2/NDF: 0.4/2

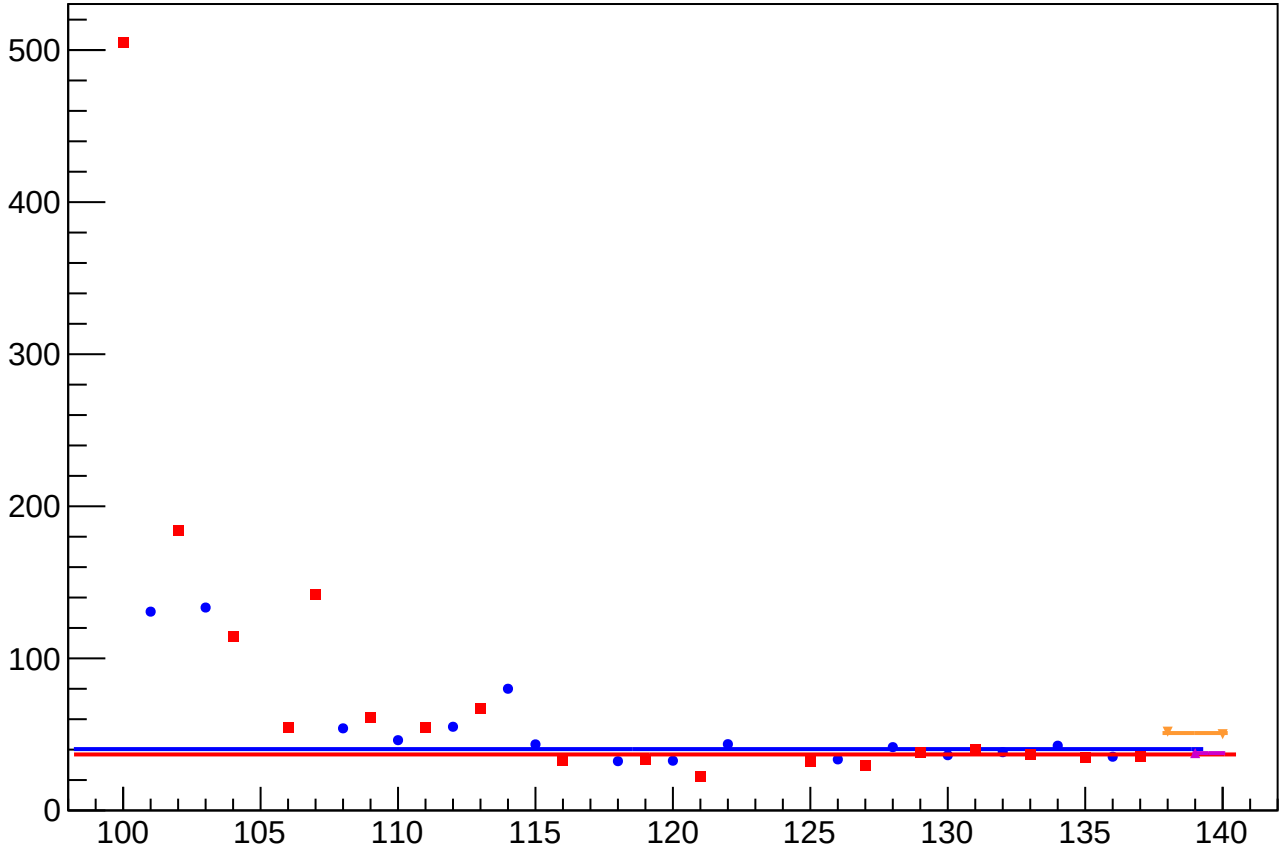
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.001+/-0.016 χ^2/NDF:17.2/16

Out: -0.001+/-0.016 χ^2/NDF:11.2/19

All: -0.001+/-0.011 χ^2/NDF: 28.4/36

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 50.902+/-0.030 χ^2/NDF:750.9/1

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.719+/-0.031 χ^2/NDF:0.0/0

Left: 44.559+/-0.022 χ^2/NDF: 92240.3/2

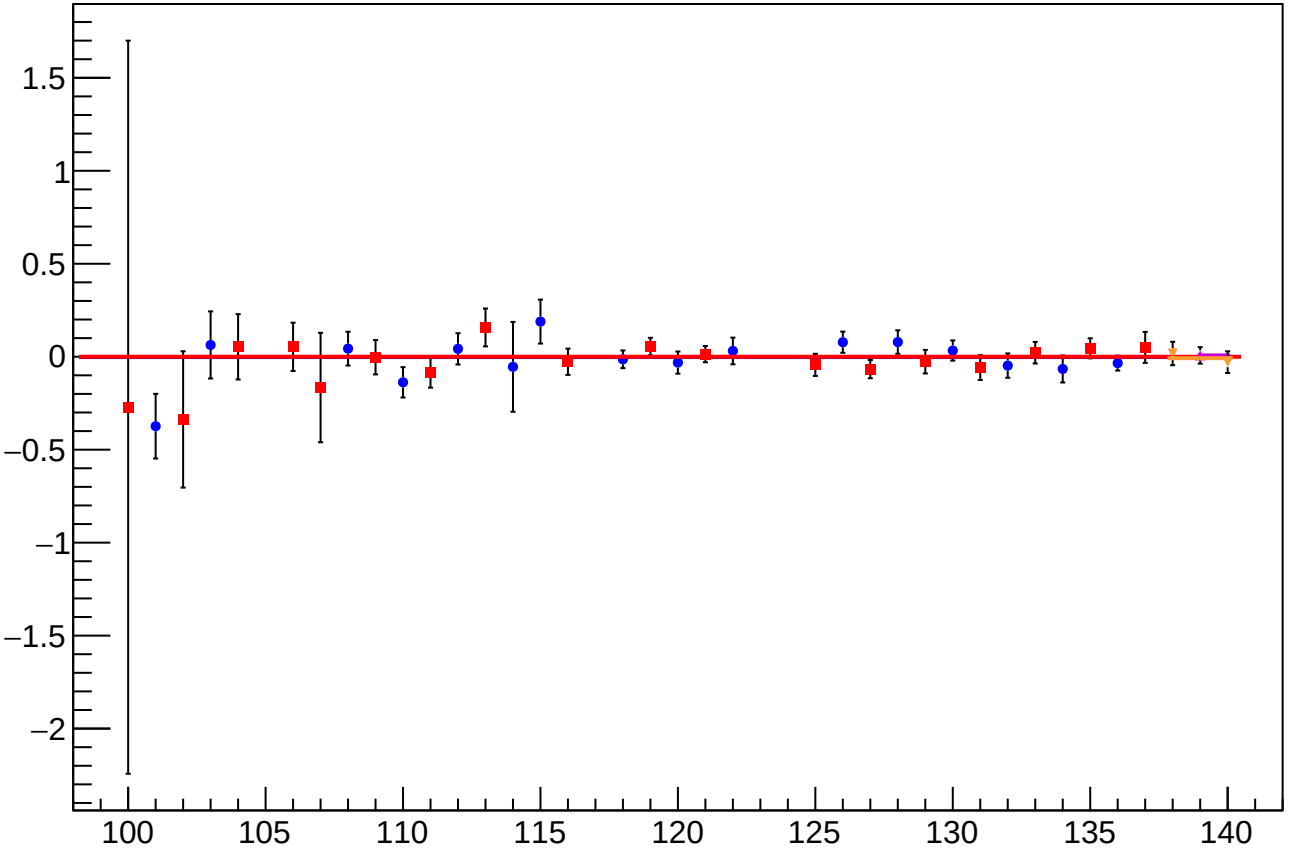
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 40.013+/-0.011 χ^2/NDF:1416164.2/16

Out: 38.681+/-0.011 χ^2/NDF:2026117.9/19

All: 39.329+/-0.008 χ^2/NDF: 3449445.3/36

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.008+/-0.043 χ^2/NDF:0.3/1

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.007+/-0.044 χ^2/NDF:0.0/0

Left: -0.001+/-0.031 χ^2/NDF: 0.4/2

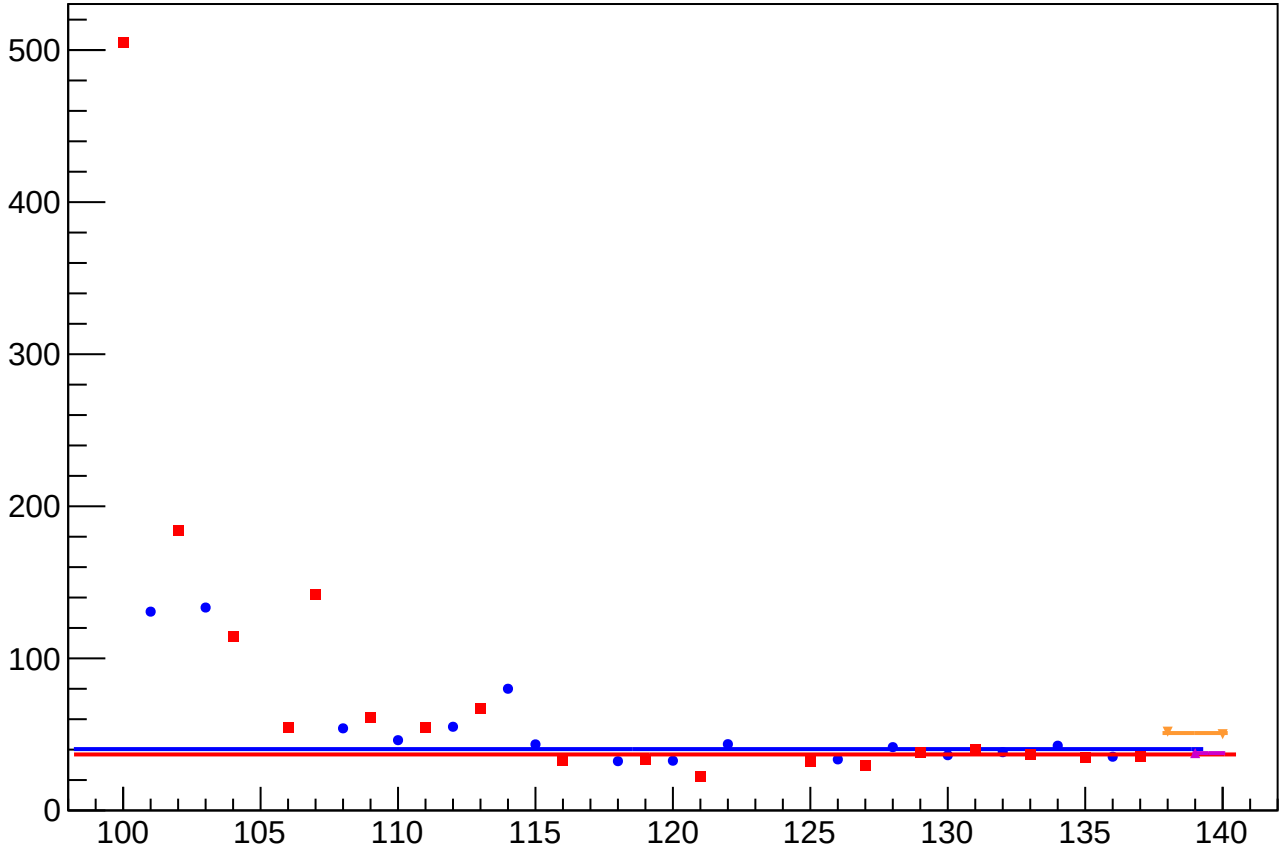
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.001+/-0.016 χ^2/NDF:17.2/16

Out: -0.001+/-0.016 χ^2/NDF:11.2/19

All: -0.001+/-0.011 χ^2/NDF: 28.4/36

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 50.902+/-0.030 χ^2/NDF:750.9/1

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.719+/-0.031 χ^2/NDF:0.0/0

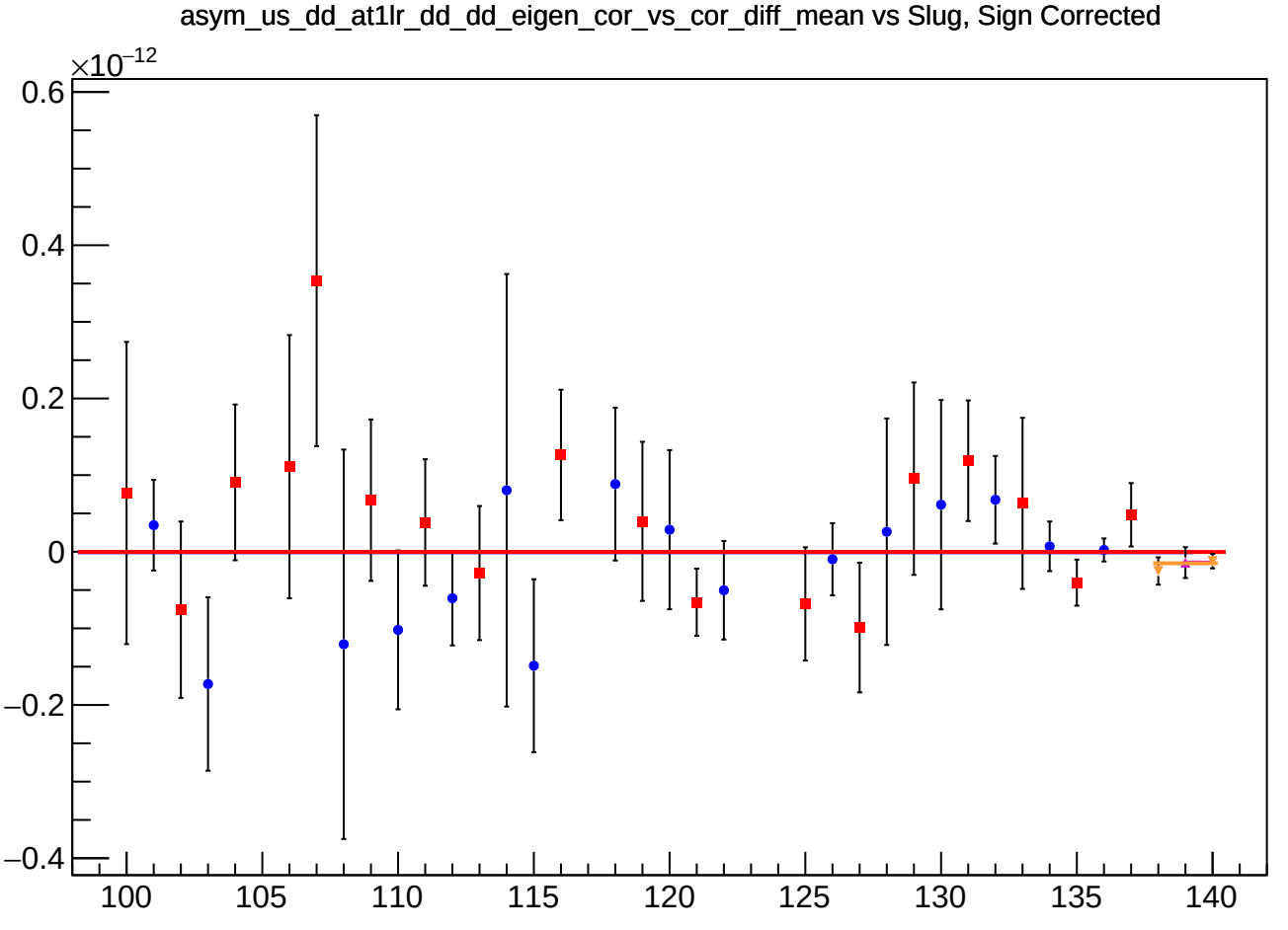
Left: 44.559+/-0.022 χ^2/NDF: 92240.3/2

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 40.013+/-0.011 χ^2/NDF:1416164.2/16

Out: 38.681+/-0.011 χ^2/NDF:2026117.9/19

All: 39.329+/-0.008 χ^2/NDF: 3449445.3/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

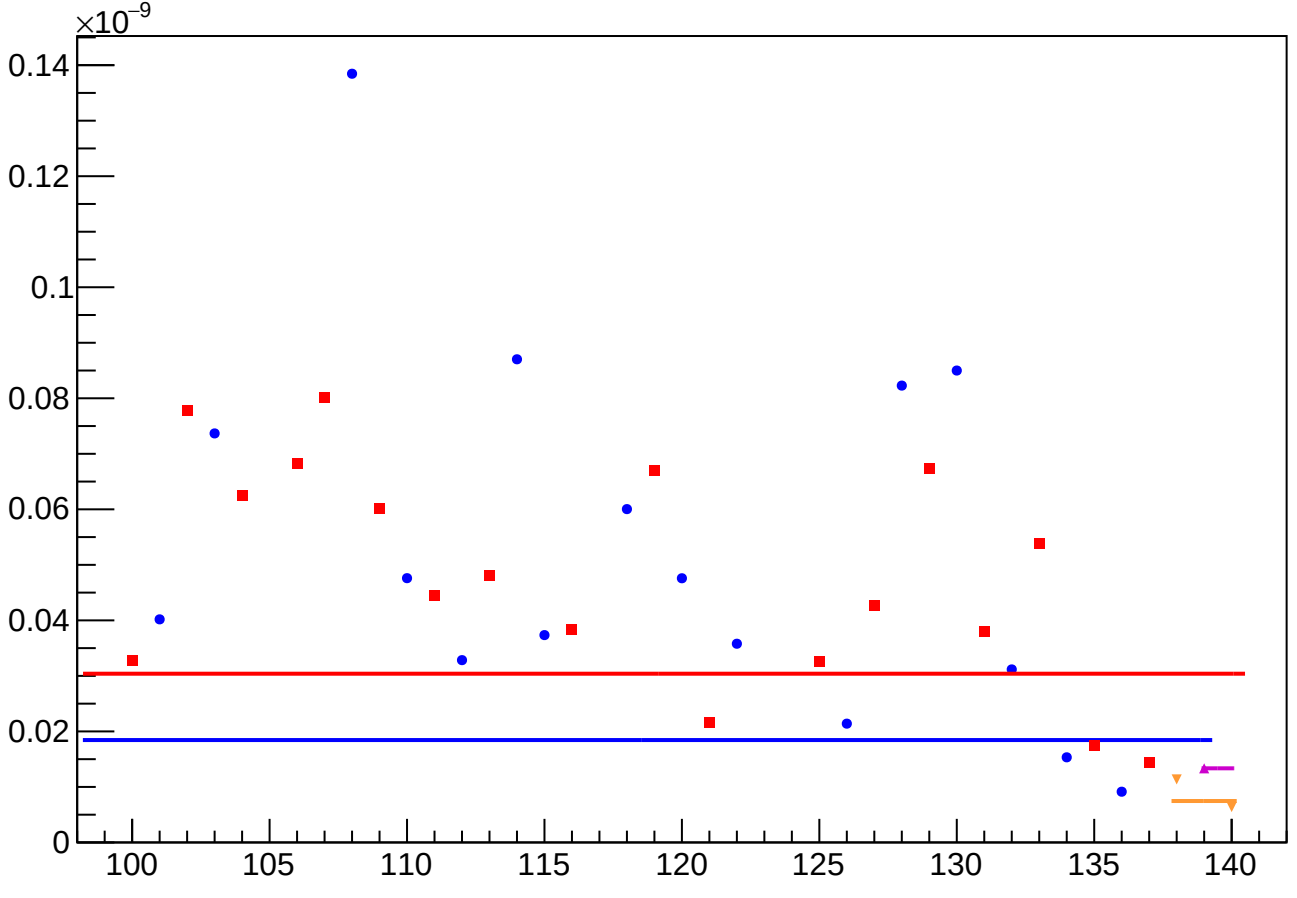
Left: -0.000+/-0.000 χ^2/NDF: 0.4/2

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:10.2/16

Out: -0.000+/-0.000 χ^2/NDF:19.4/19

All: -0.000+/-0.000 χ^2/NDF: 30.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:121524.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

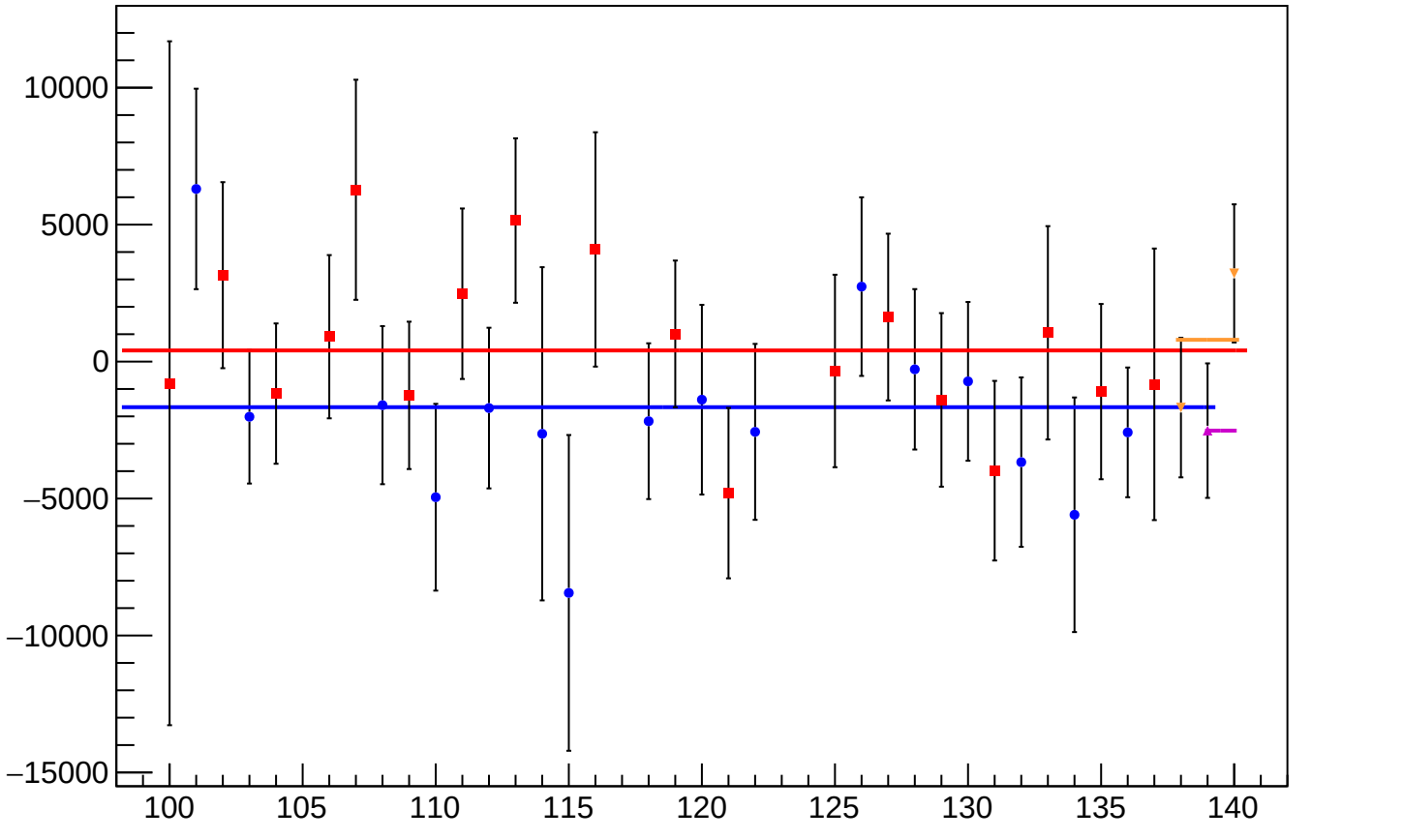
Left: 0.000+/-0.000 χ^2/NDF: 267890.0/2

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:4119396.3/16

Out: 0.000+/-0.000 χ^2/NDF:5592910.2/19

All: 0.000+/-0.000 χ^2/NDF: 10034477.5/36



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 795.670+/-1792.112 χ^2/NDF:1.9/1

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -2520.414+/-2455.398 χ^2/NDF:0.0/0

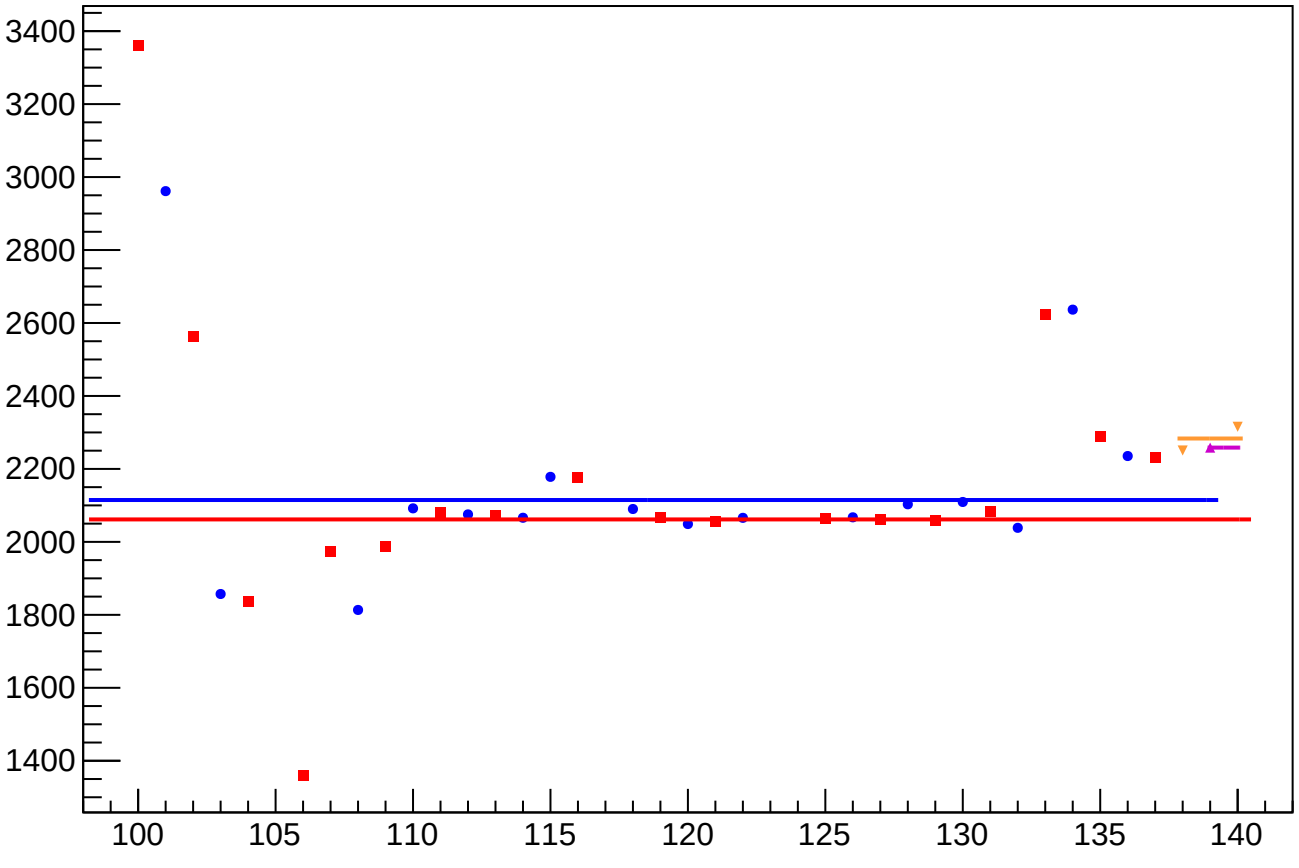
Left: -356.863+/-1447.558 χ^2/NDF: 3.1/2

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1745.012+/-753.900 χ^2/NDF:10.9/16

Out: 468.393+/-713.002 χ^2/NDF:14.6/19

All: -576.646+/-518.024 χ^2/NDF: 30.1/36



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2283.352+/-1.267 χ^2/NDF:657.8/1

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2258.410+/-1.736 χ^2/NDF:0.0/0

Left: 2274.683+/-1.024 χ^2/NDF: 792.4/2

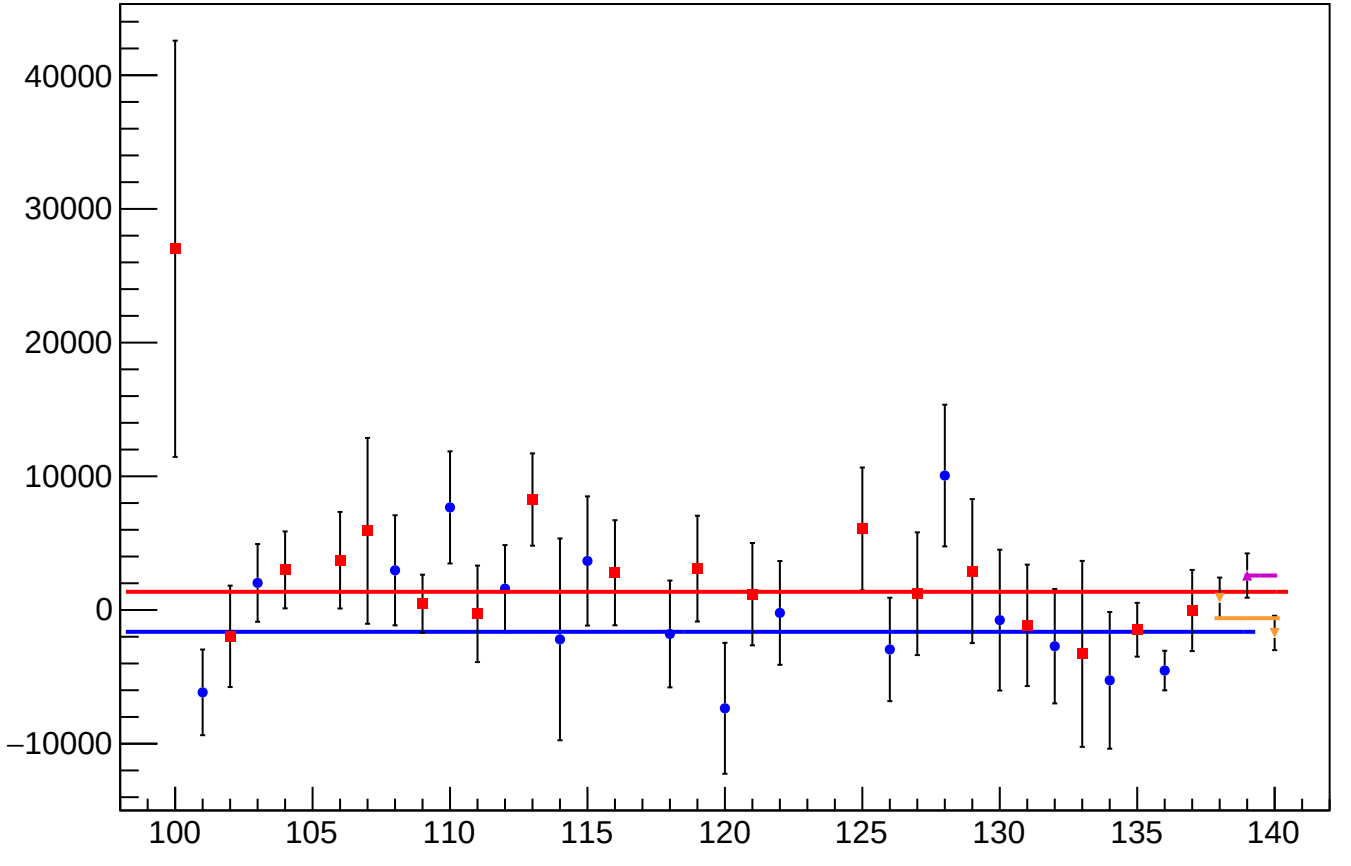
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2128.298+/-0.533 χ^2/NDF:196121.0/16

Out: 2096.667+/-0.504 χ^2/NDF:275628.6/19

All: 2111.601+/-0.366 χ^2/NDF: 473608.1/36

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -613.579+/-979.231 χ^2/NDF:1.8/1

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 2578.154+/-1656.079 χ^2/NDF:0.0/0

Left: 213.259+/-842.904 χ^2/NDF: 4.5/2

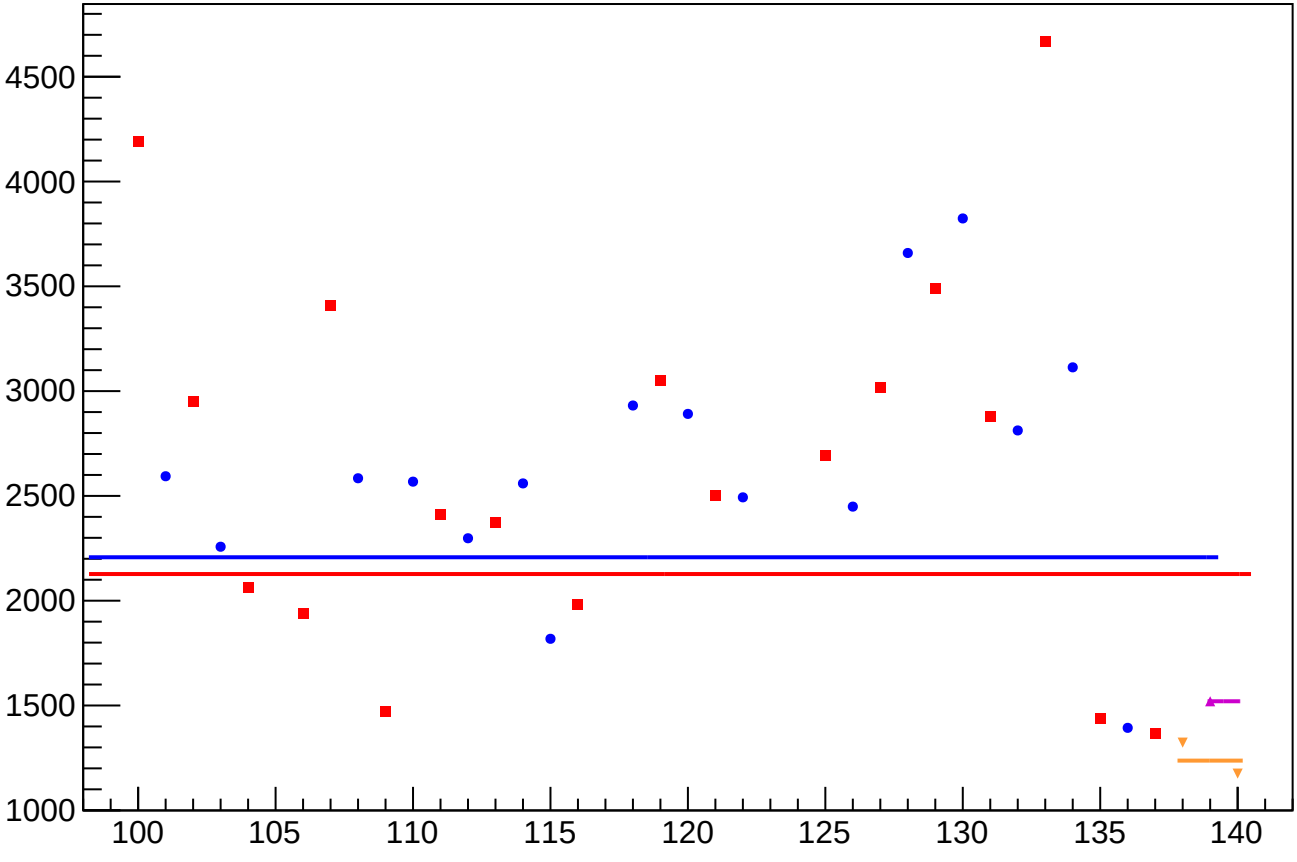
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -732.626+/-764.913 χ^2/NDF:27.9/16

Out: 523.956+/-637.746 χ^2/NDF:17.6/19

All: 8.660+/-489.830 χ^2/NDF: 47.1/36

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1237.011+/-0.692 χ^2/NDF:11097.2/1

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1520.158+/-1.171 χ^2/NDF:0.0/0

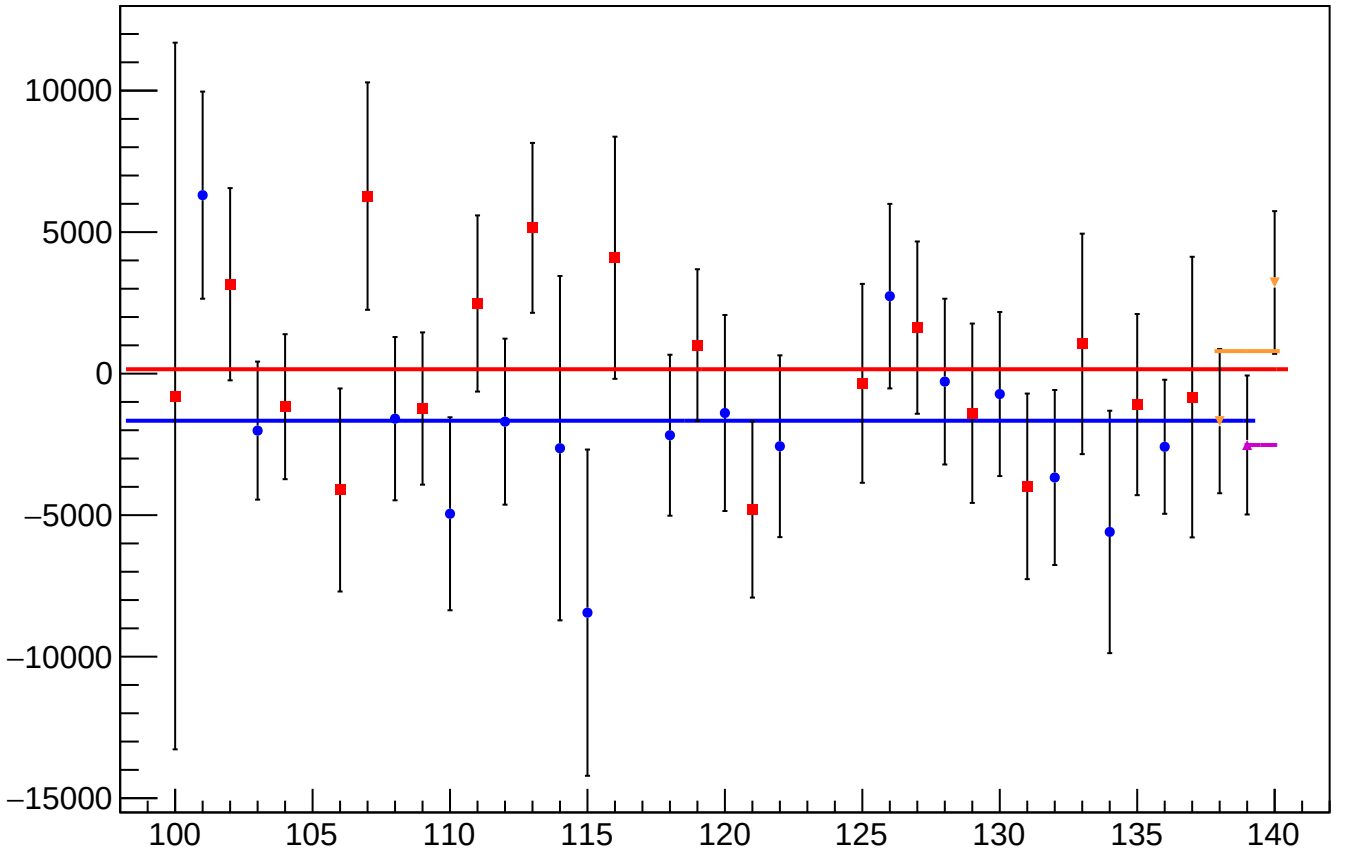
Left: 1310.362+/-0.596 χ^2/NDF: 54416.2/2

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 2060.672+/-0.541 χ^2/NDF:1520093.4/16

Out: 1749.635+/-0.451 χ^2/NDF:2420960.2/19

All: 1877.185+/-0.346 χ^2/NDF: 4136138.9/36



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 795.820+/-1792.112 χ^2/NDF:1.9/1

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -2520.887+/-2455.398 χ^2/NDF:0.0/0

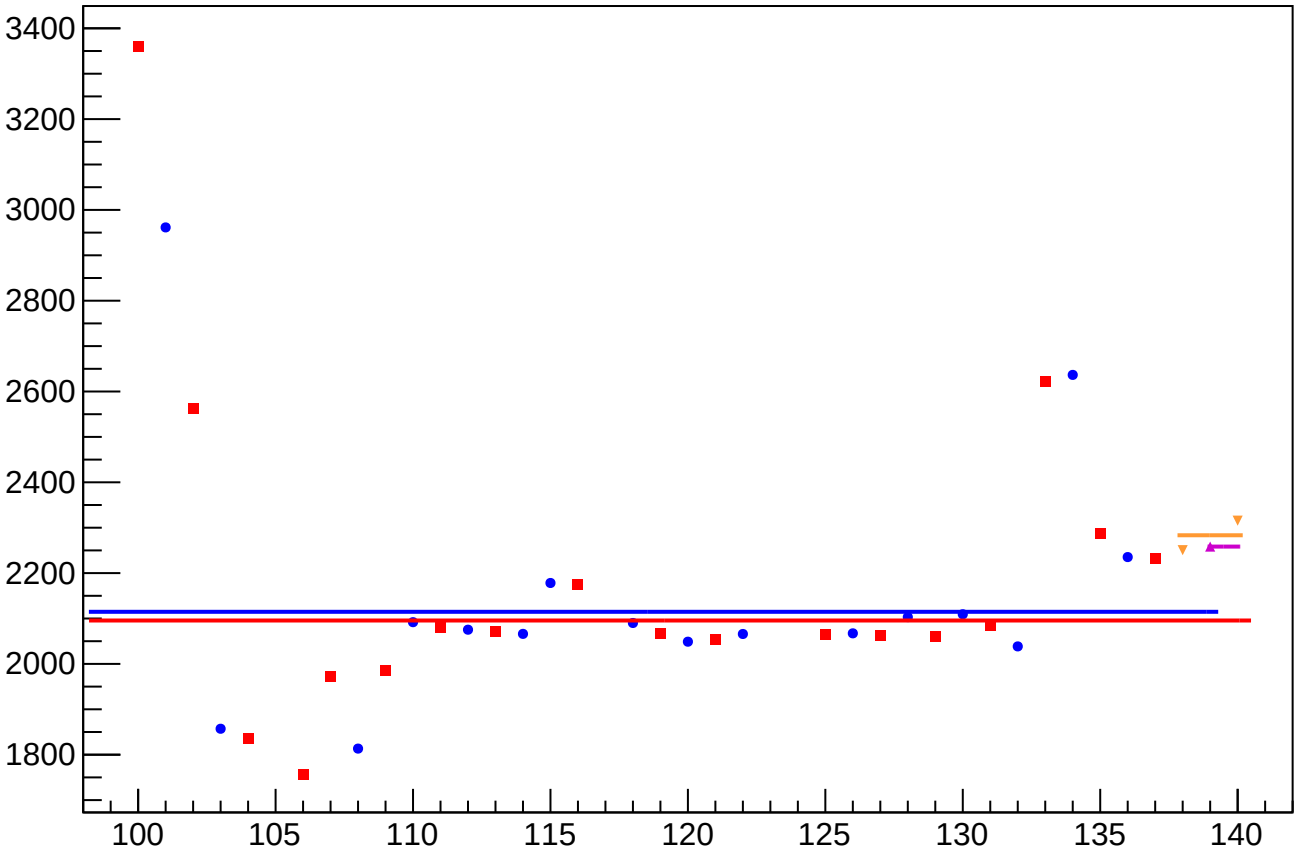
Left: -356.929+/-1447.558 χ^2/NDF: 3.1/2

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1744.990+/-753.900 χ^2/NDF:10.9/16

Out: 258.917+/-719.413 χ^2/NDF:16.2/19

All: -696.155+/-520.467 χ^2/NDF: 30.8/36



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2283.352+/-1.267 χ^2/NDF:657.8/1

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2258.410+/-1.736 χ^2/NDF:0.0/0

Left: 2274.683+/-1.024 χ^2/NDF: 792.4/2

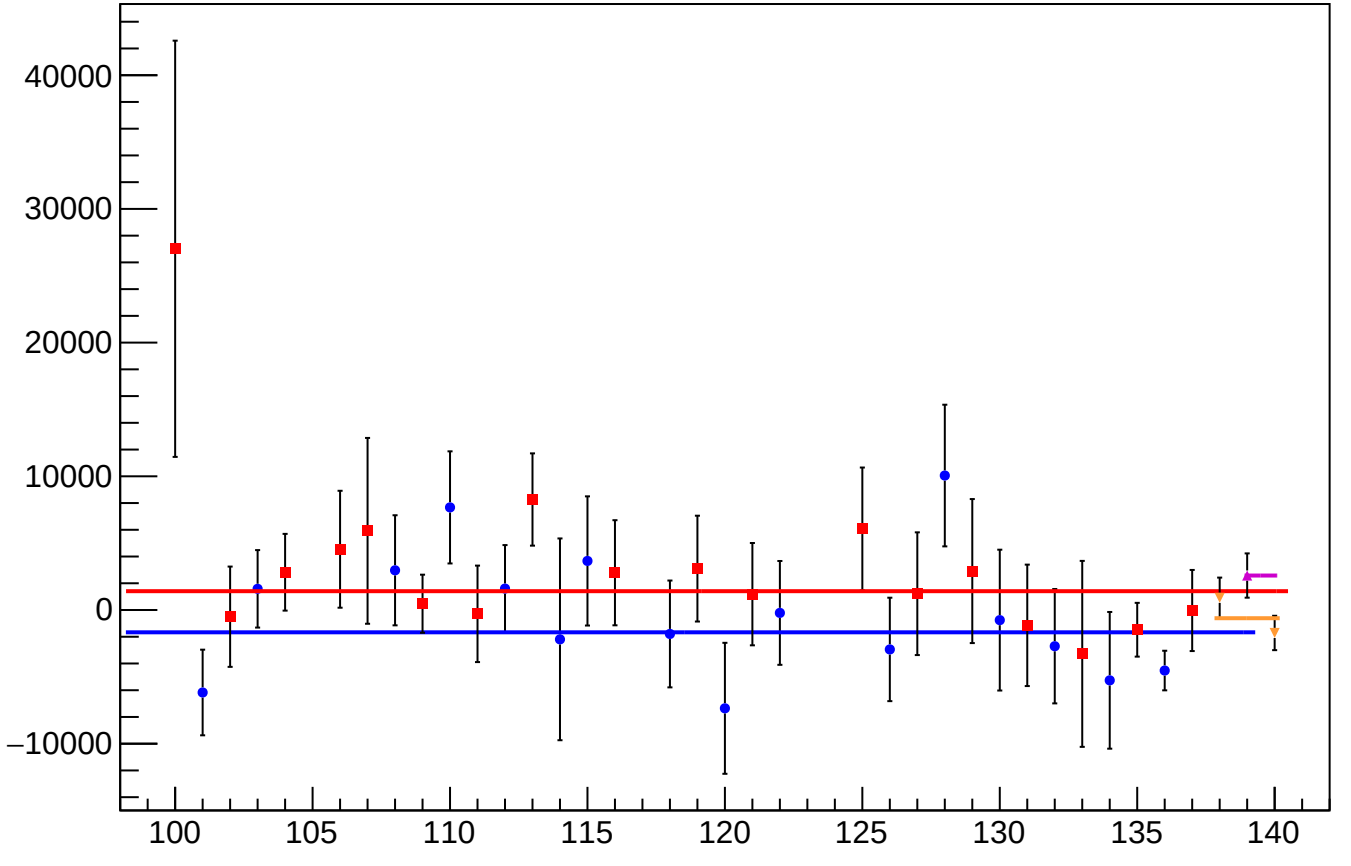
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2128.298+/-0.533 χ^2/NDF:196121.4/16

Out: 2125.853+/-0.509 χ^2/NDF:168433.1/19

All: 2127.018+/-0.368 χ^2/NDF: 364565.5/36

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -613.842+/-979.242 χ^2/NDF:1.8/1

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 2577.714+/-1656.083 χ^2/NDF:0.0/0

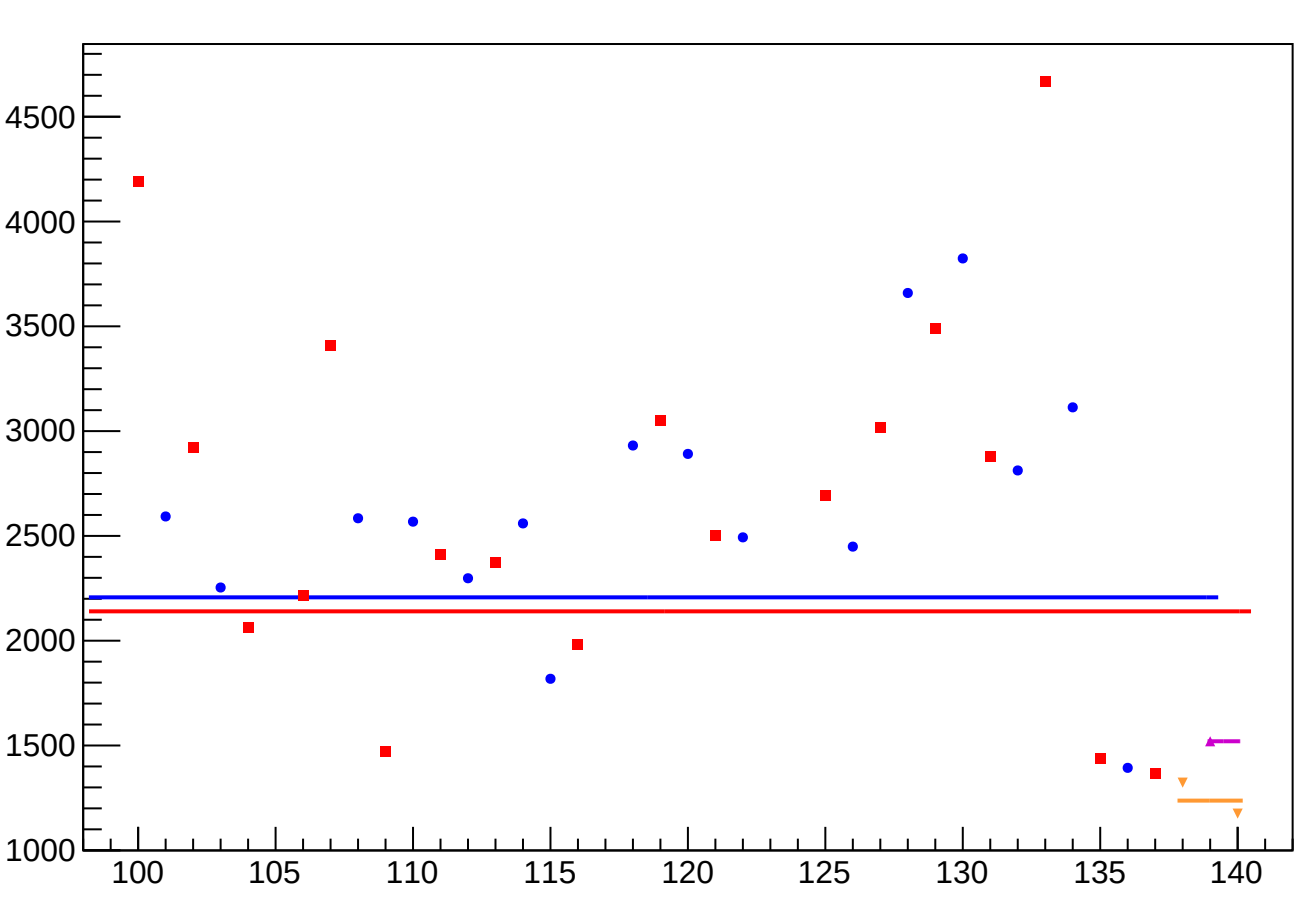
Left: 212.960+/-842.911 χ^2/NDF: 4.5/2

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -763.104+/-764.710 χ^2/NDF:27.7/16

Out: 542.626+/-640.641 χ^2/NDF:17.2/19

All: 4.144+/-491.084 χ^2/NDF: 46.6/36



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1237.026+/-0.692 χ^2/NDF:11091.6/1

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1520.162+/-1.171 χ^2/NDF:0.0/0

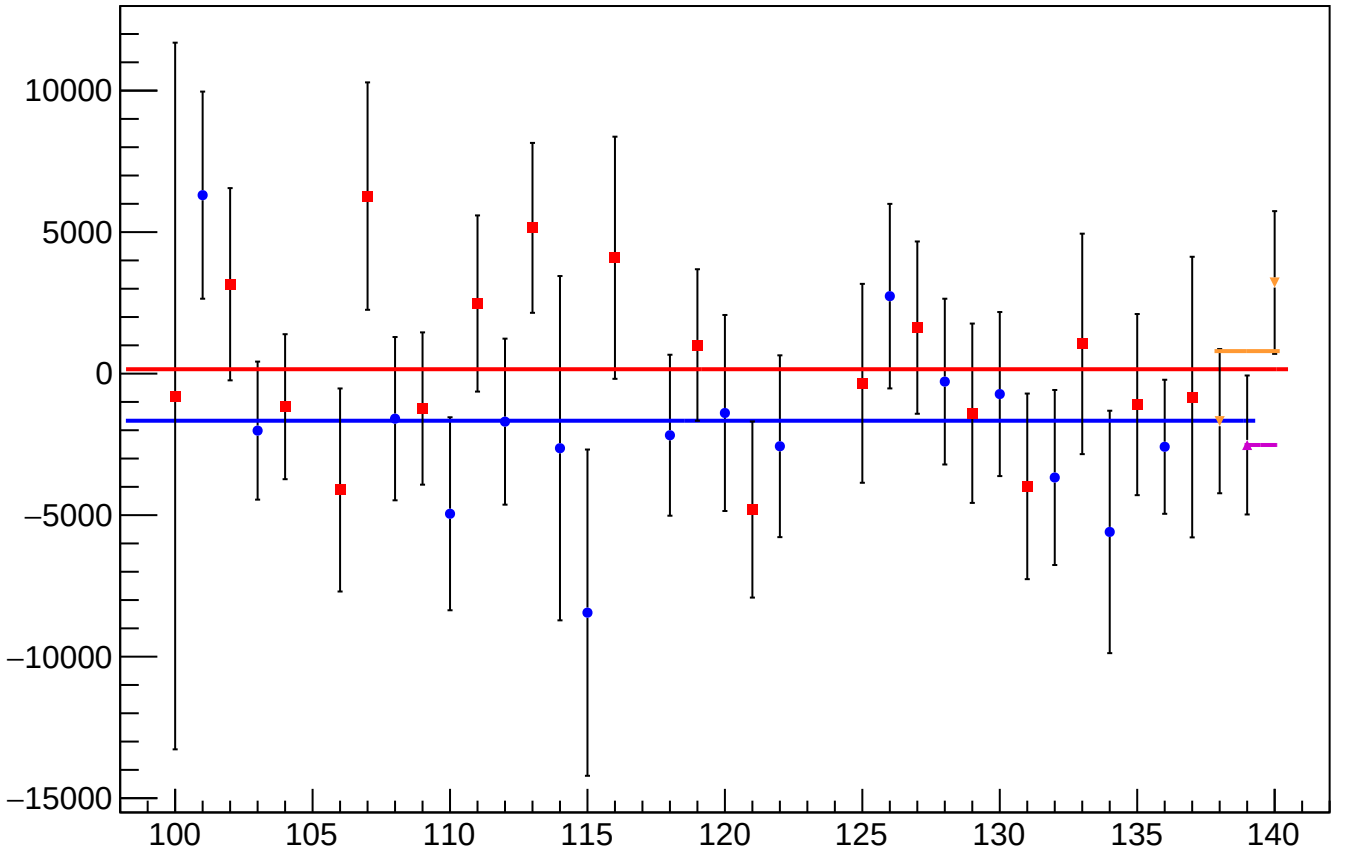
Left: 1310.375+/-0.596 χ^2/NDF: 54406.6/2

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 2060.487+/-0.541 χ^2/NDF:1519621.7/16

Out: 1753.557+/-0.453 χ^2/NDF:2432318.3/19

All: 1880.134+/-0.347 χ^2/NDF: 4141260.9/36



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 795.820+/-1792.112 χ^2/NDF:1.9/1

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -2520.887+/-2455.398 χ^2/NDF:0.0/0

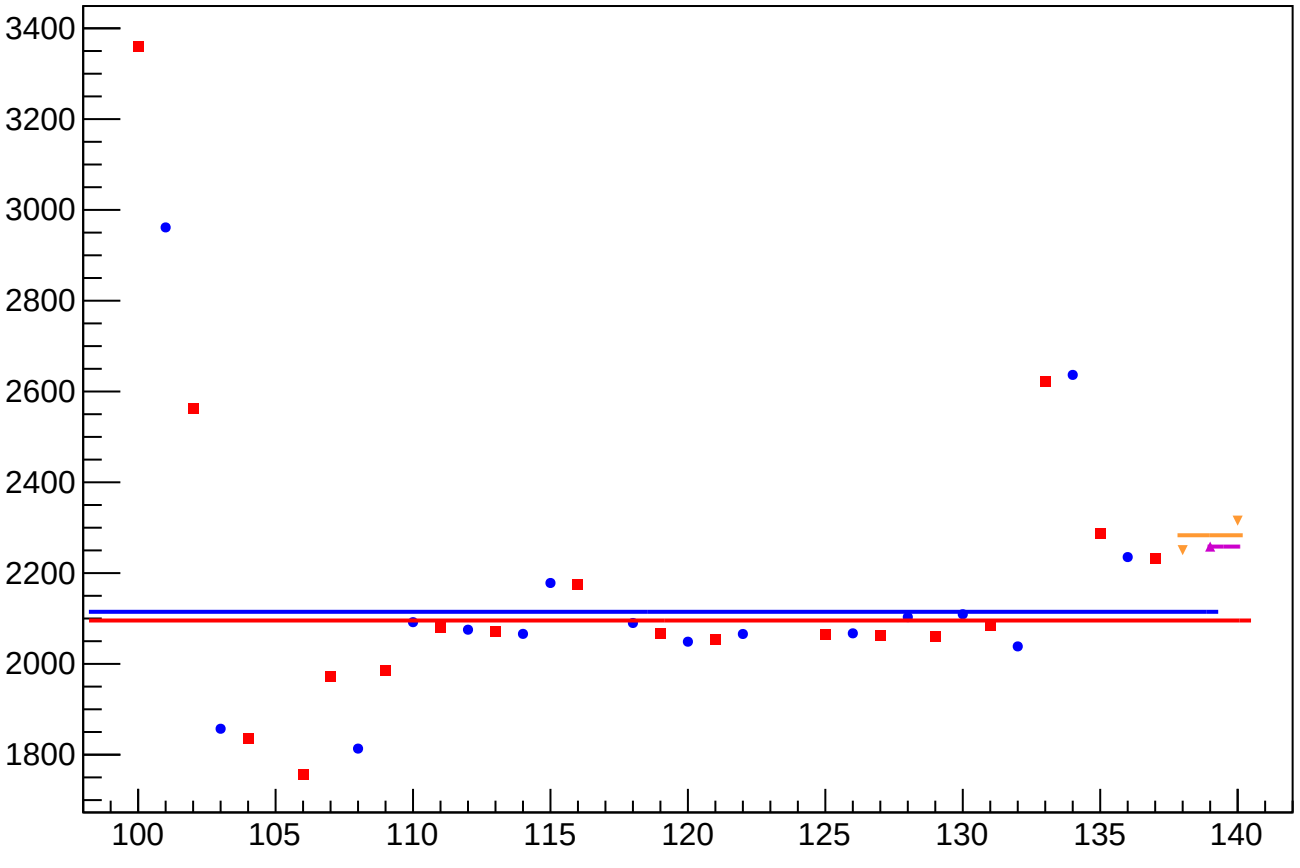
Left: -356.929+/-1447.558 χ^2/NDF: 3.1/2

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1744.990+/-753.900 χ^2/NDF:10.9/16

Out: 258.917+/-719.413 χ^2/NDF:16.2/19

All: -696.155+/-520.467 χ^2/NDF: 30.8/36



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2283.352+/-1.267 χ^2/NDF:657.8/1

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2258.410+/-1.736 χ^2/NDF:0.0/0

Left: 2274.683+/-1.024 χ^2/NDF: 792.4/2

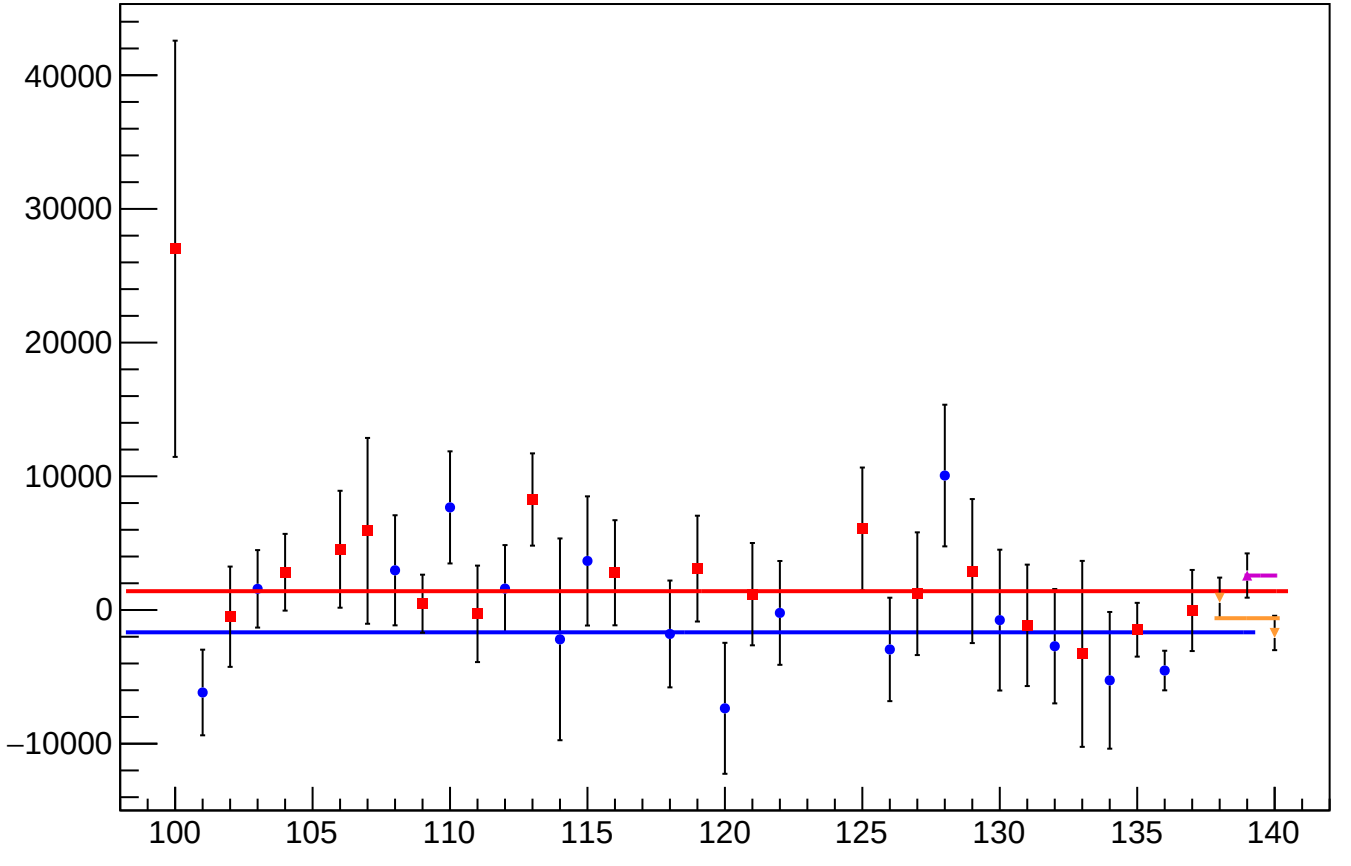
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2128.298+/-0.533 χ^2/NDF:196121.4/16

Out: 2125.853+/-0.509 χ^2/NDF:168433.1/19

All: 2127.018+/-0.368 χ^2/NDF: 364565.5/36

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -613.842+/-979.242 χ^2/NDF:1.8/1

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 2577.714+/-1656.083 χ^2/NDF:0.0/0

Left: 212.960+/-842.911 χ^2/NDF: 4.5/2

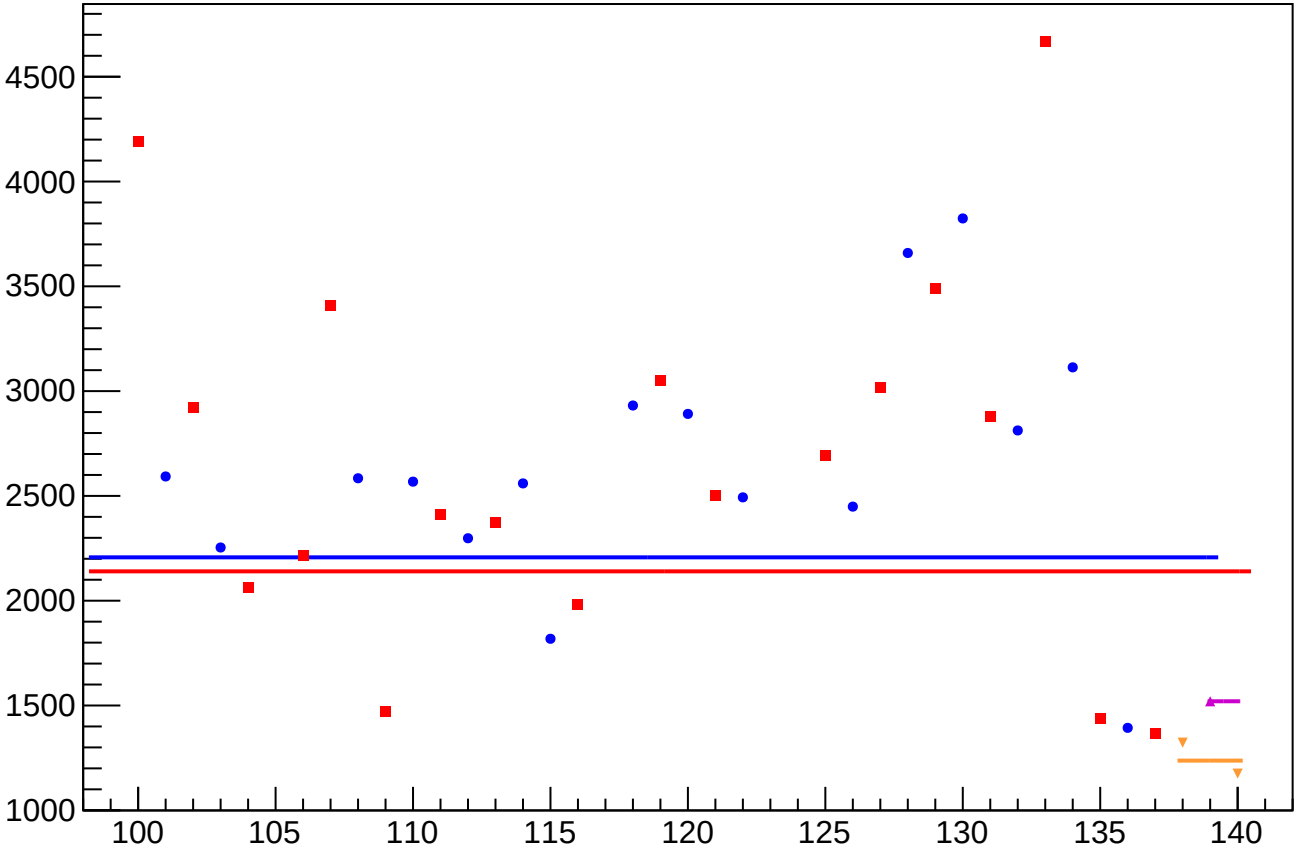
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -763.104+/-764.710 χ^2/NDF:27.7/16

Out: 542.626+/-640.641 χ^2/NDF:17.2/19

All: 4.144+/-491.084 χ^2/NDF: 46.6/36

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1237.026+/-0.692 χ^2/NDF:11091.6/1

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1520.162+/-1.171 χ^2/NDF:0.0/0

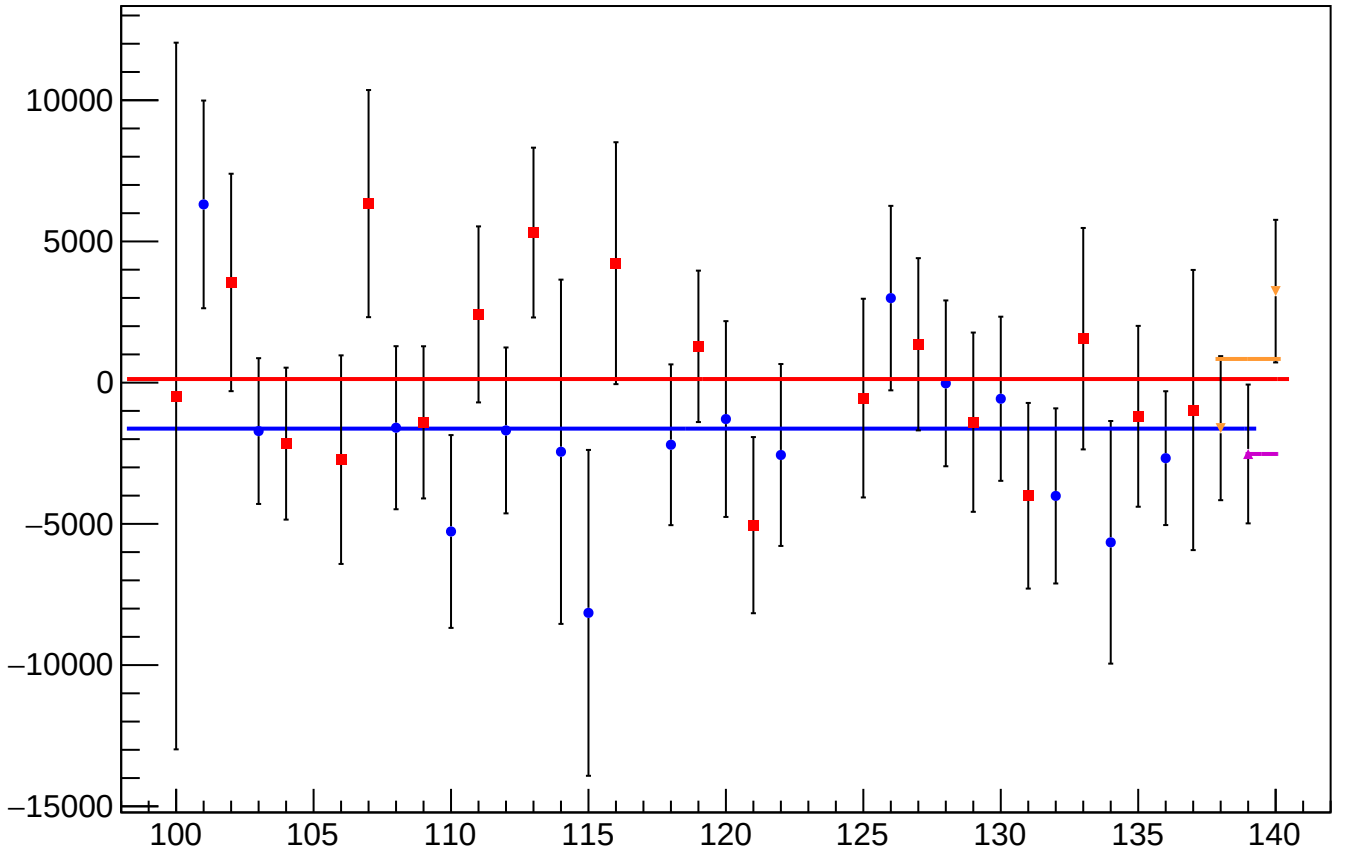
Left: 1310.375+/-0.596 χ^2/NDF: 54406.6/2

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 2060.487+/-0.541 χ^2/NDF:1519621.7/16

Out: 1753.557+/-0.453 χ^2/NDF:2432318.3/19

All: 1880.134+/-0.347 χ^2/NDF: 4141260.9/36



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 838.952+/-1794.120 χ^2/NDF:1.8/1

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -2525.050+/-2457.462 χ^2/NDF:0.0/0

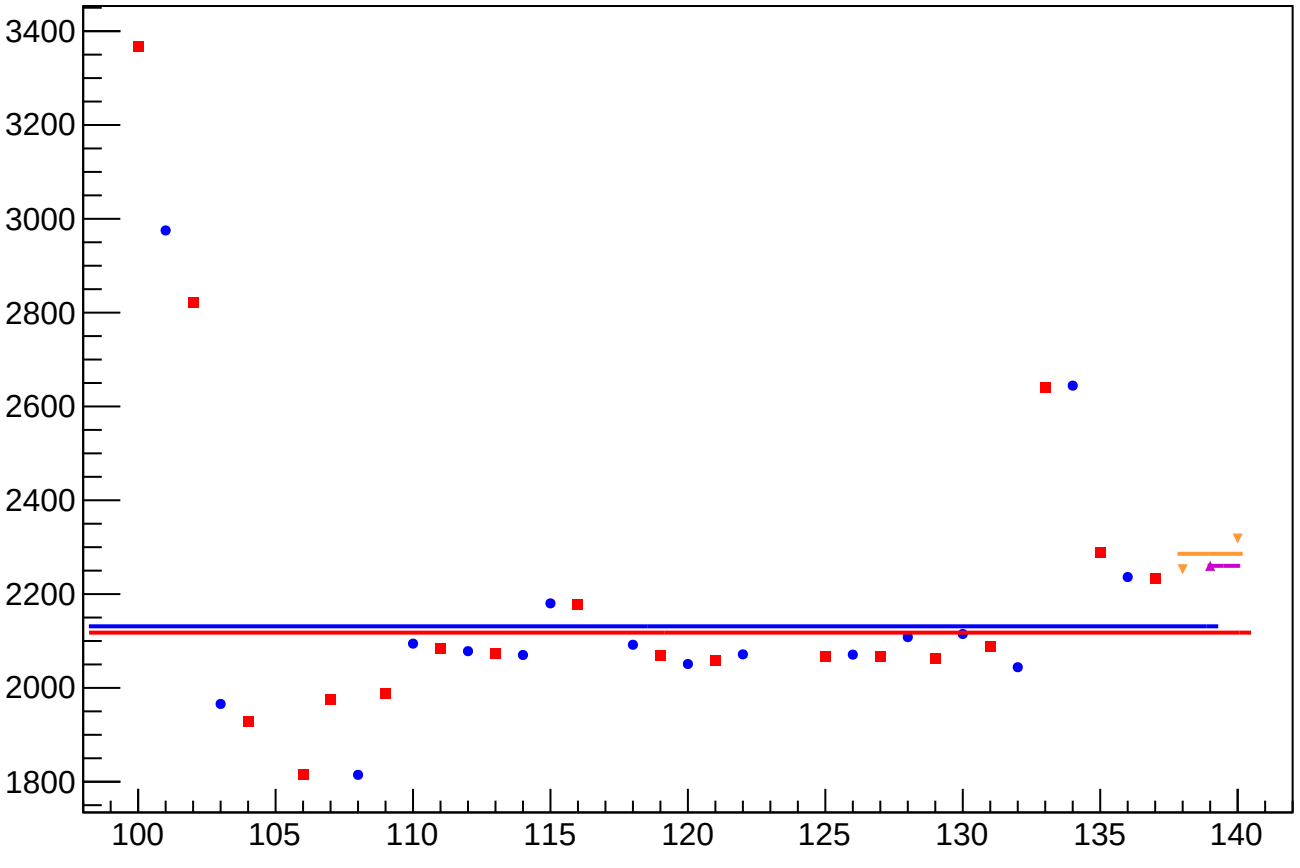
Left: -330.663+/-1449.039 χ^2/NDF: 3.1/2

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1713.231+/-758.958 χ^2/NDF:11.5/16

Out: 244.988+/-727.526 χ^2/NDF:16.5/19

All: -692.733+/-525.199 χ^2/NDF: 31.4/36



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2285.907+/-1.269 χ^2/NDF:668.6/1

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2260.252+/-1.738 χ^2/NDF:0.0/0

Left: 2276.987+/-1.025 χ^2/NDF: 810.8/2

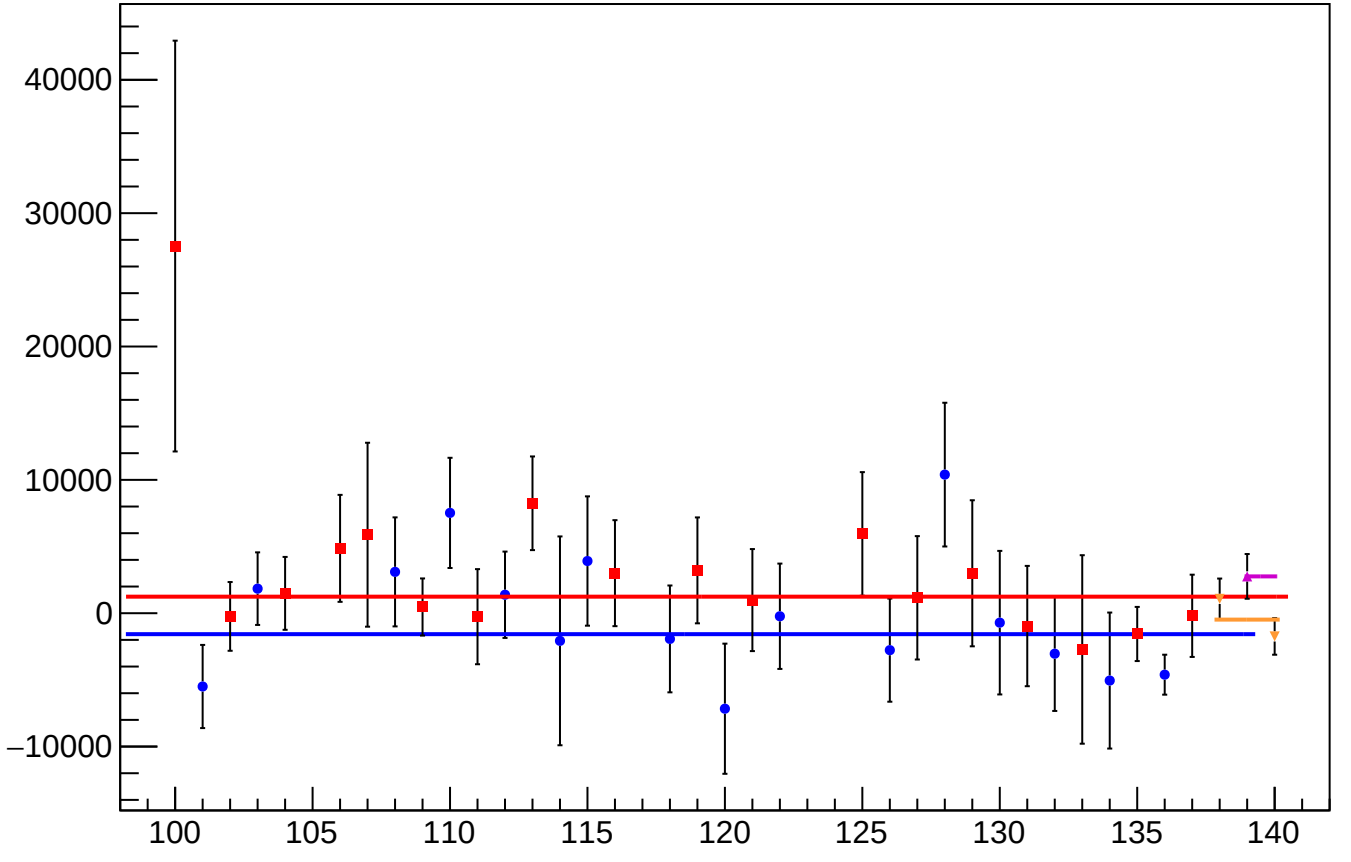
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2143.598+/-0.537 χ^2/NDF:180925.2/16

Out: 2145.499+/-0.514 χ^2/NDF:178951.2/19

All: 2144.589+/-0.371 χ^2/NDF: 359882.9/36

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: -479.892+/-1019.842 χ^2/NDF:1.9/1

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 2760.930+/-1677.679 χ^2/NDF:0.0/0

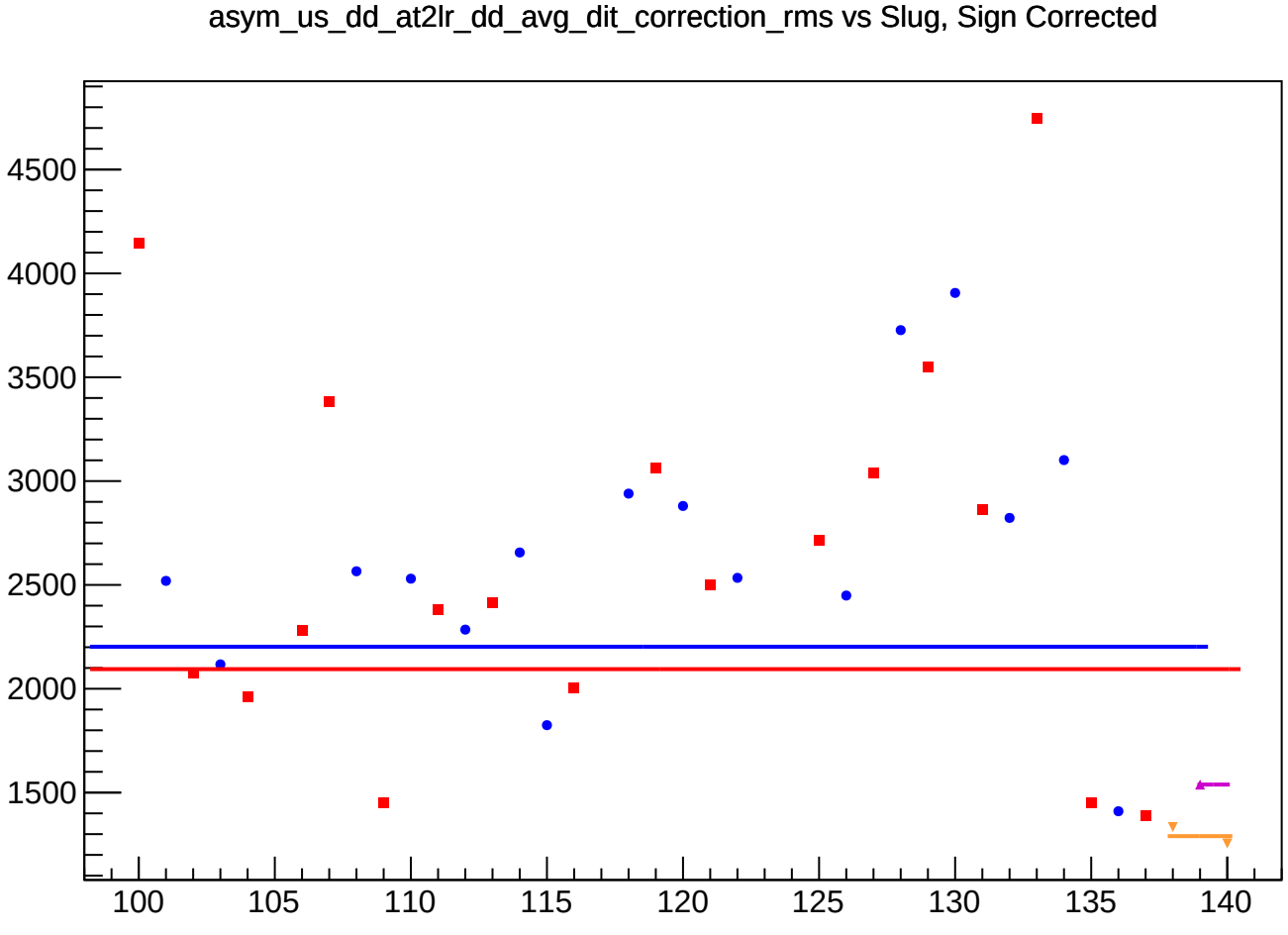
Left: 394.552+/-871.459 χ^2/NDF: 4.6/2

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -670.029+/-765.134 χ^2/NDF:27.9/16

Out: 565.526+/-638.943 χ^2/NDF:16.7/19

All: 57.904+/-490.429 χ^2/NDF: 46.1/36



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1290.395+/-0.721 χ^2/NDF:2968.6/1

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1538.663+/-1.186 χ^2/NDF:0.0/0

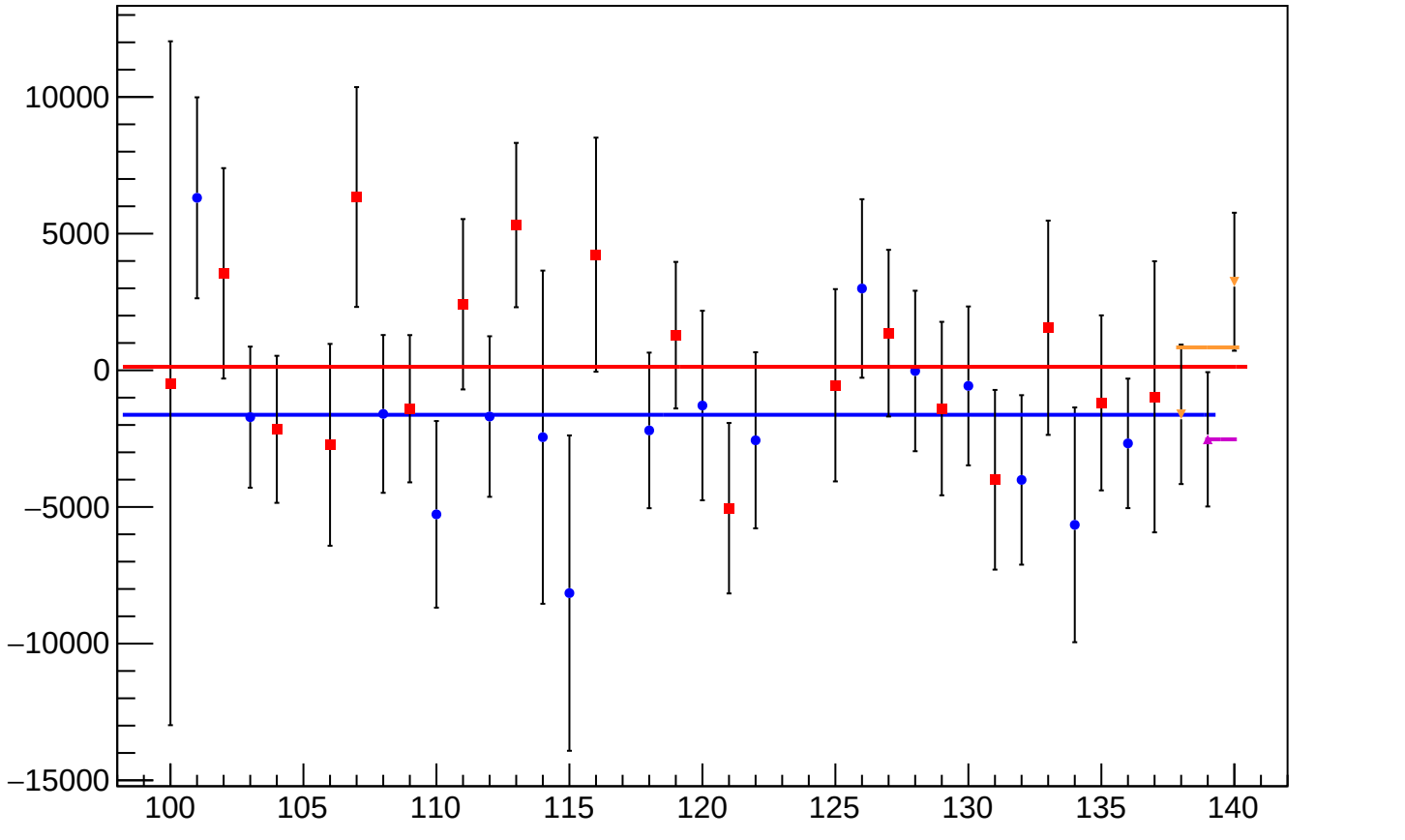
Left: 1357.383+/-0.616 χ^2/NDF: 34948.9/2

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 2064.328+/-0.541 χ^2/NDF:1470880.4/16

Out: 1778.842+/-0.452 χ^2/NDF:2131850.5/19

All: 1896.132+/-0.347 χ^2/NDF: 3766772.1/36



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 838.969+/-1794.120 χ^2/NDF:1.8/1

Right Out: 128.093+/-795.899 χ^2/NDF: 14.6/17

Left In: -2525.003+/-2457.462 χ^2/NDF:0.0/0

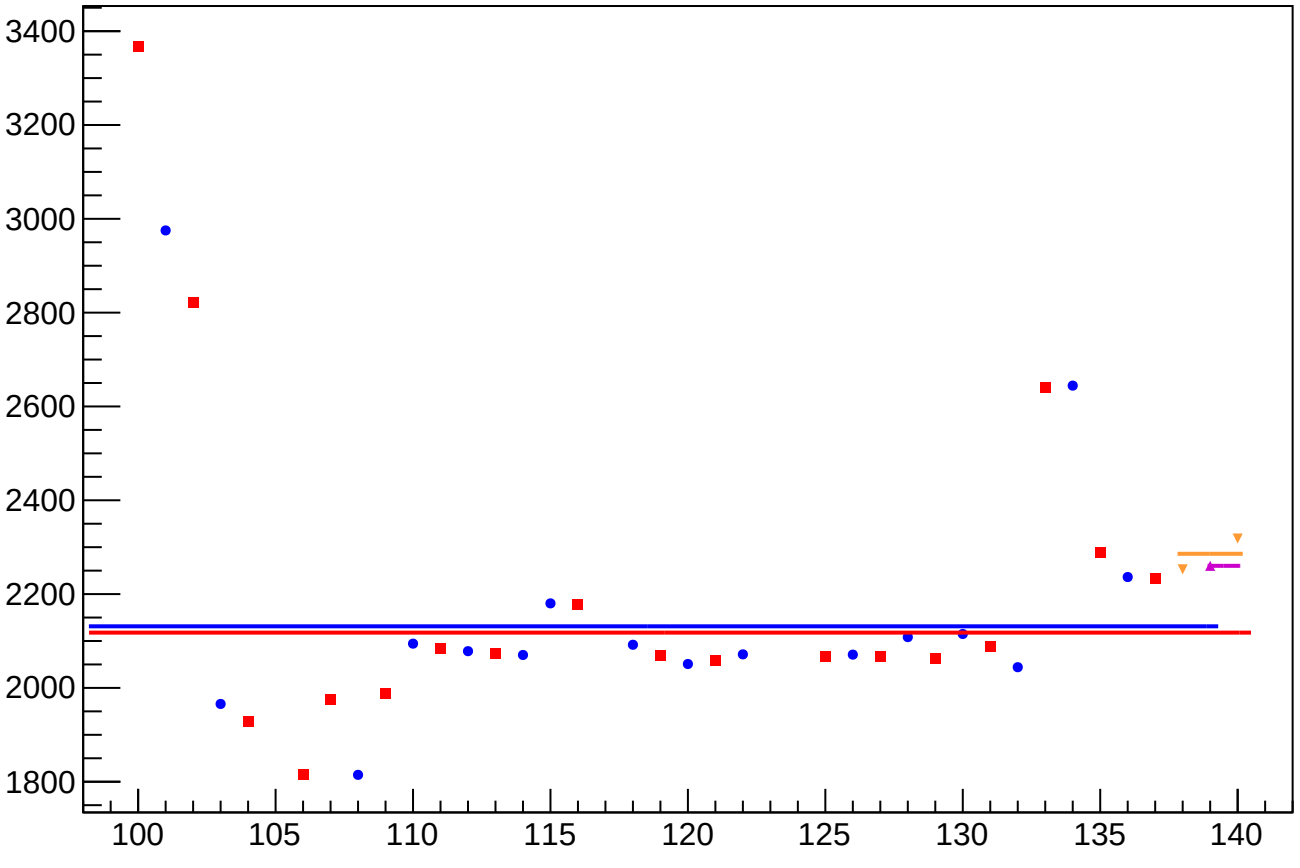
Left: -330.635+/-1449.039 χ^2/NDF: 3.1/2

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

In: -1713.228+/-758.958 χ^2/NDF:11.5/16

Out: 244.986+/-727.525 χ^2/NDF:16.5/19

All: -692.733+/-525.199 χ^2/NDF: 31.4/36



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2285.907+/-1.269 χ^2/NDF:668.6/1

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2260.252+/-1.738 χ^2/NDF:0.0/0

Left: 2276.987+/-1.025 χ^2/NDF: 810.8/2

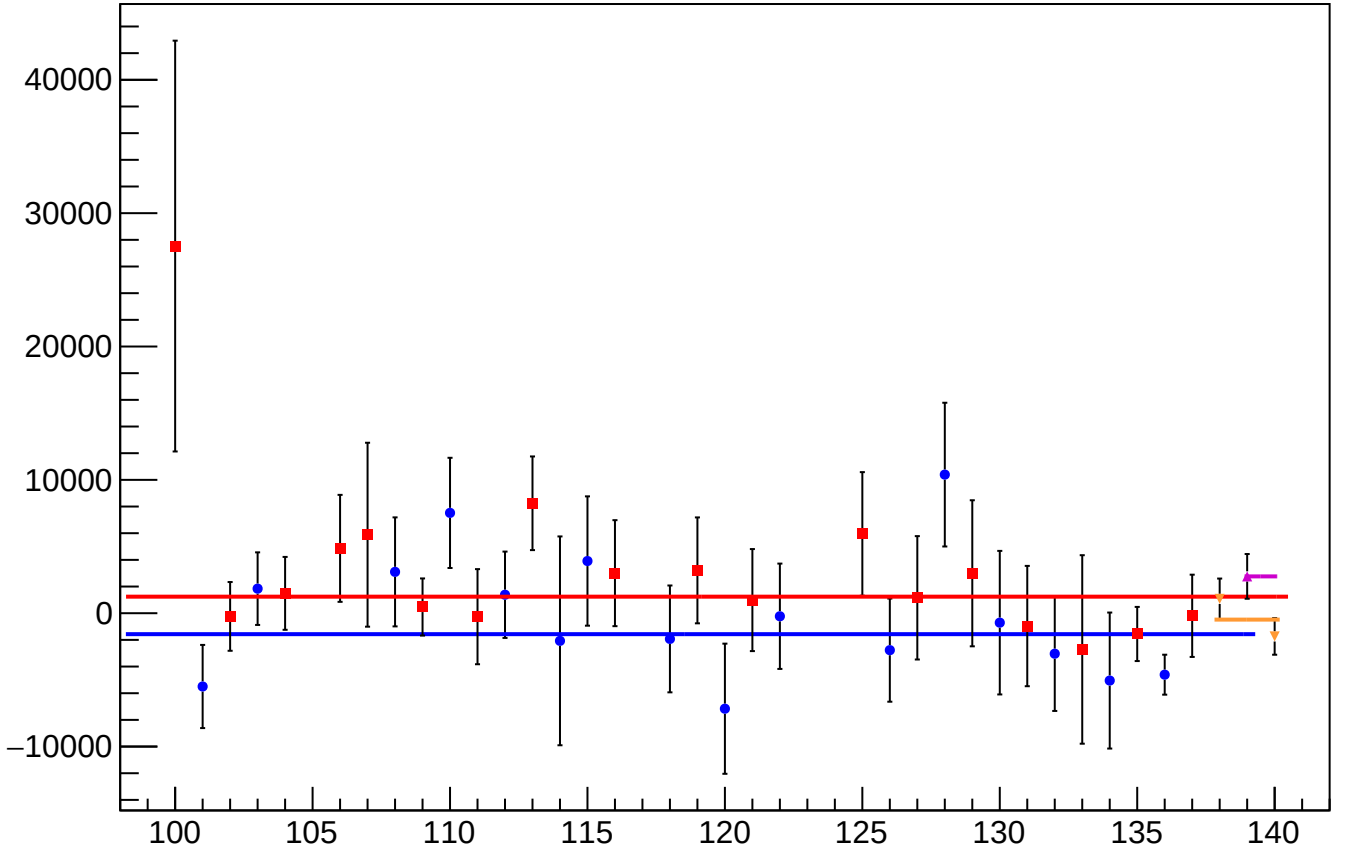
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2143.598+/-0.537 χ^2/NDF:180925.2/16

Out: 2145.499+/-0.514 χ^2/NDF:178951.1/19

All: 2144.589+/-0.371 χ^2/NDF: 359882.8/36

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -479.903+/-1019.854 χ^2/NDF:1.9/1

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 2760.970+/-1677.710 χ^2/NDF:0.0/0

Left: 394.546+/-871.472 χ^2/NDF: 4.6/2

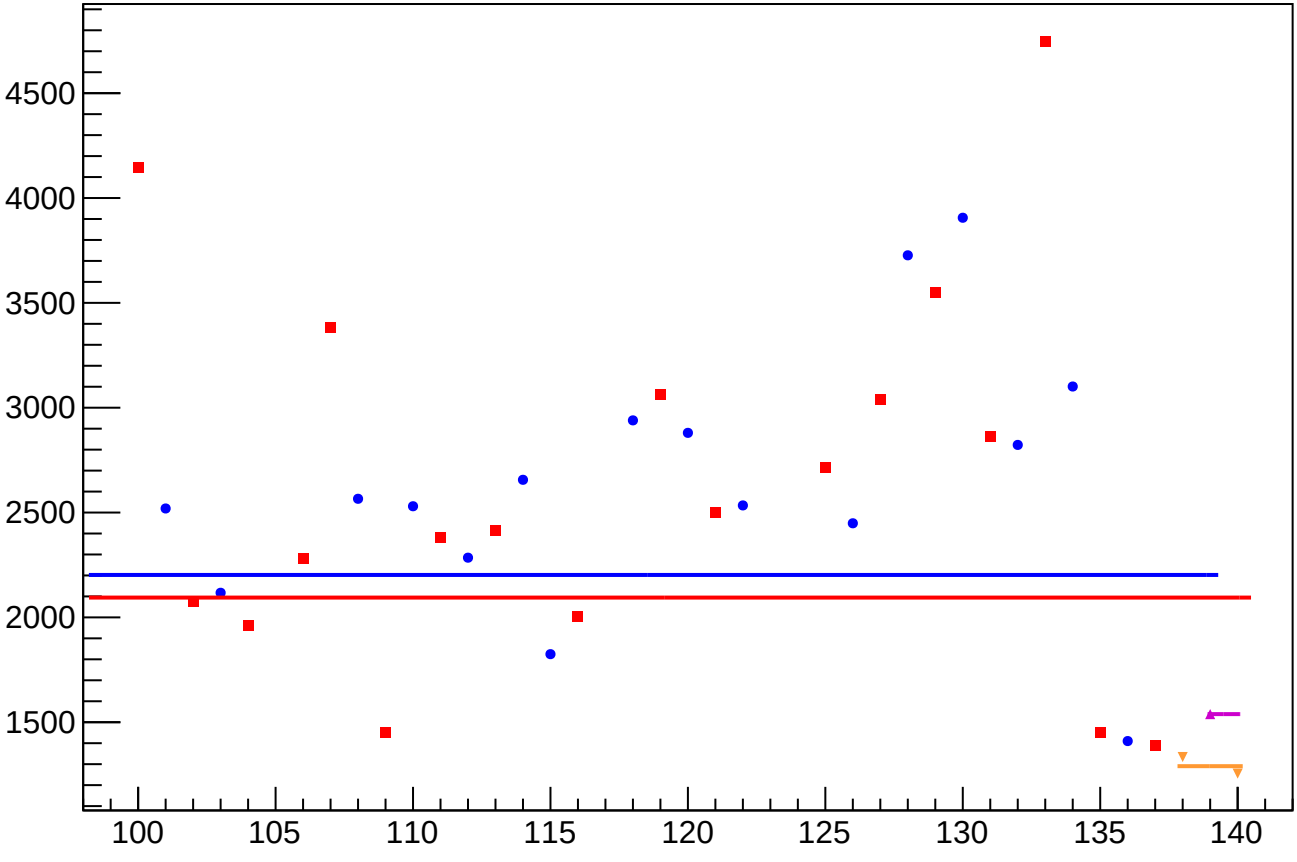
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -670.031+/-765.139 χ^2/NDF:27.9/16

Out: 565.537+/-638.947 χ^2/NDF:16.7/19

All: 57.910+/-490.433 χ^2/NDF: 46.1/36

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1290.410+/-0.721 χ^2/NDF:2970.4/1

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1538.692+/-1.186 χ^2/NDF:0.0/0

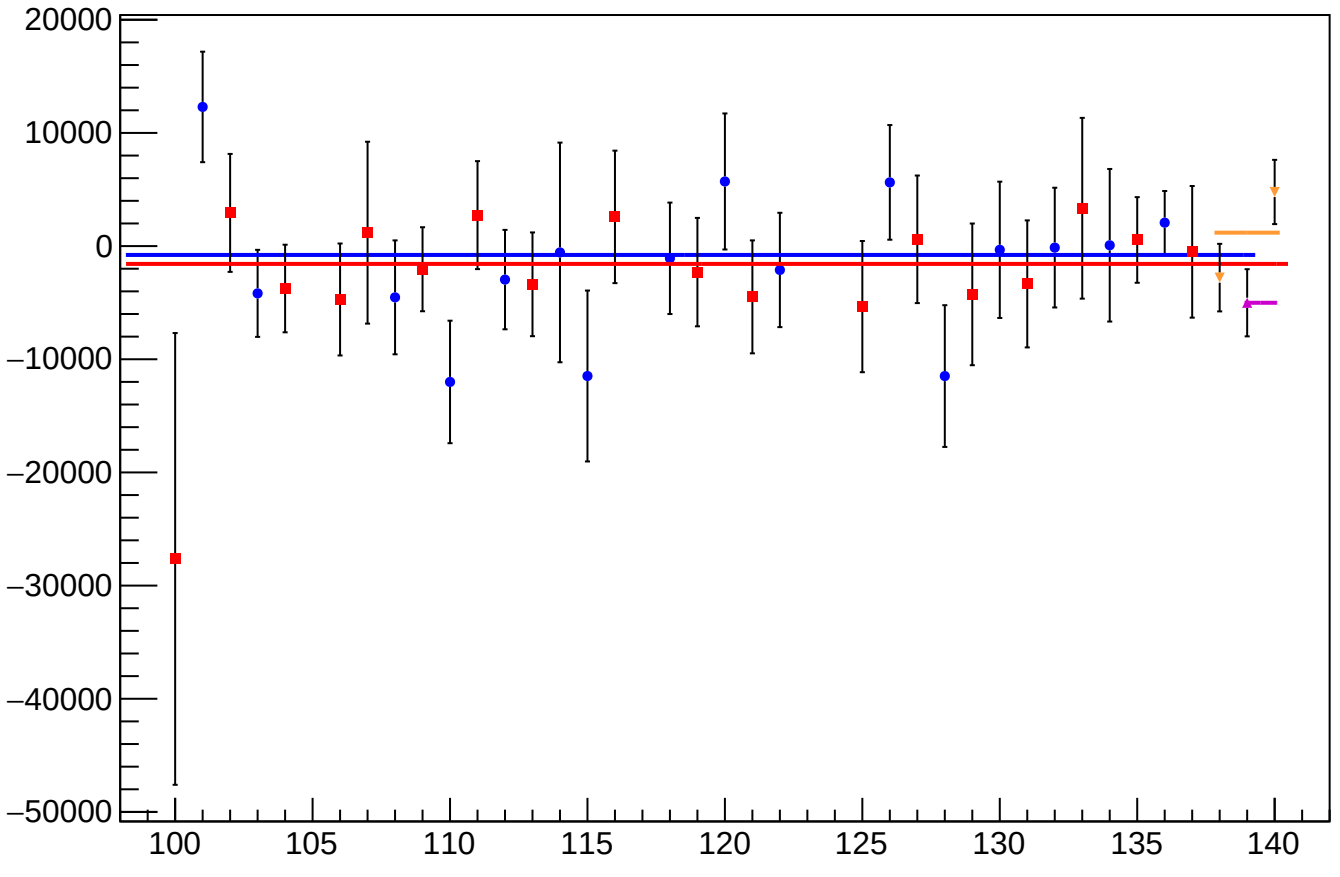
Left: 1357.402+/-0.616 χ^2/NDF: 34953.3/2

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 2064.347+/-0.541 χ^2/NDF:1470800.0/16

Out: 1778.858+/-0.452 χ^2/NDF:2131786.0/19

All: 1896.150+/-0.347 χ^2/NDF: 3766628.2/36



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1187.542+/-2057.026 χ^2/NDF:3.4/1

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -5008.548+/-2967.431 χ^2/NDF:0.0/0

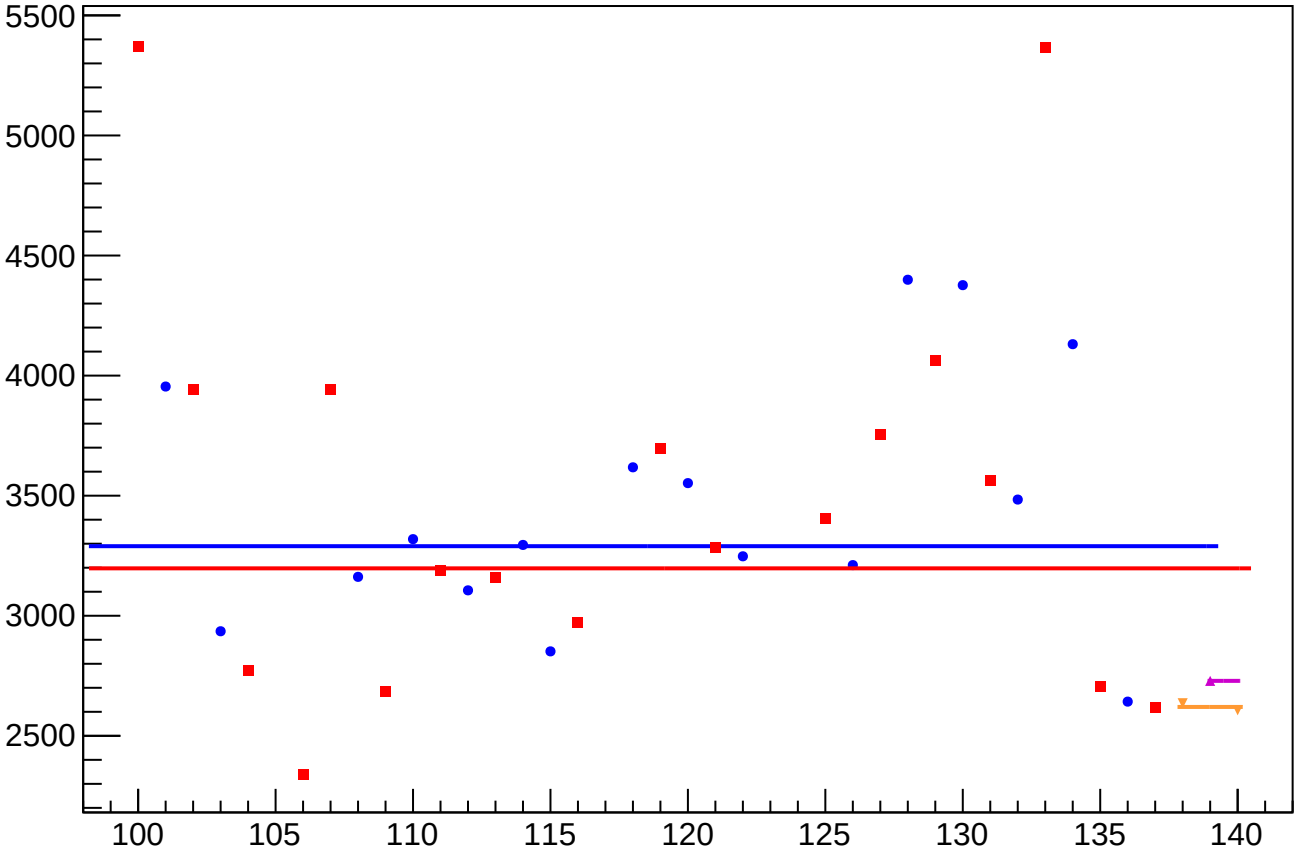
Left: -823.493+/-1690.564 χ^2/NDF: 6.3/2

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1411.461+/-1145.470 χ^2/NDF:23.6/16

Out: -856.793+/-1048.666 χ^2/NDF:11.4/19

All: -1109.703+/-773.482 χ^2/NDF: 35.2/36



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2620.268+/-1.455 χ^2/NDF:100.9/1

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2728.870+/-2.098 χ^2/NDF:0.0/0

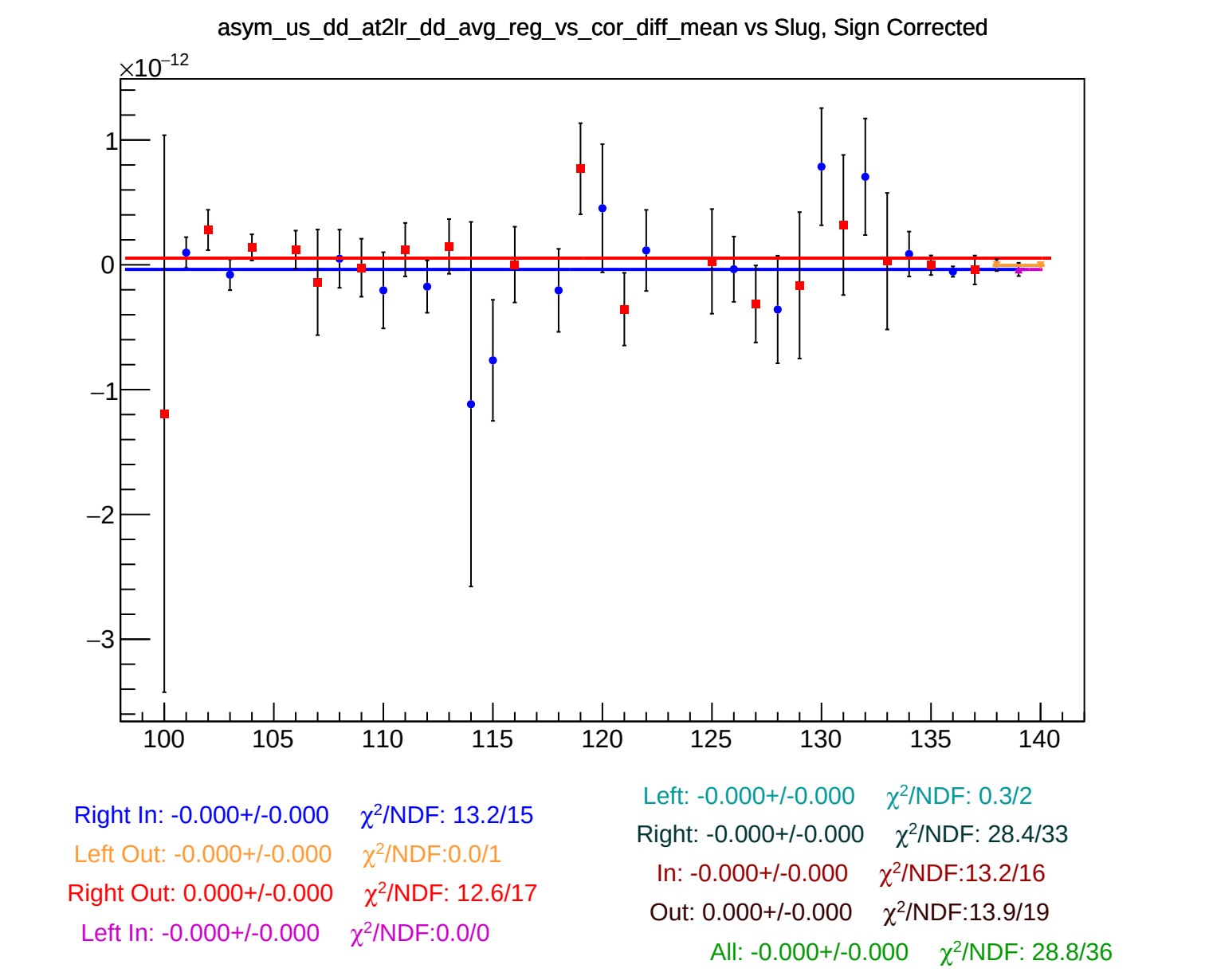
Left: 2655.517+/-1.195 χ^2/NDF: 1910.3/2

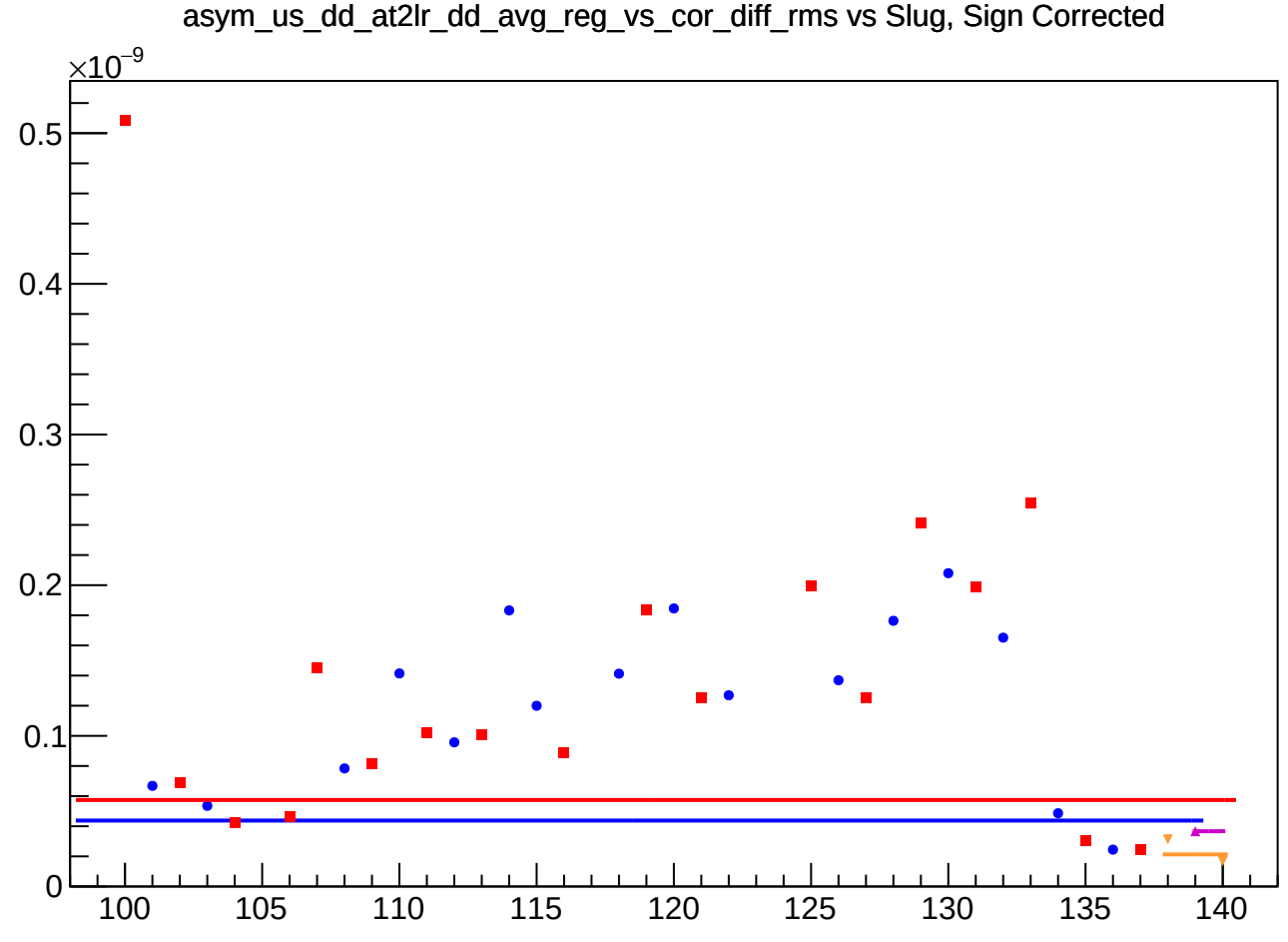
Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 3206.124+/-0.810 χ^2/NDF:408385.2/16

Out: 3047.393+/-0.742 χ^2/NDF:616544.4/19

All: 3119.768+/-0.547 χ^2/NDF: 1045823.5/36


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: -0.000+/-0.000 χ²/NDF:0.0/1
Right Out: 0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 0.3/2
Right: -0.000+/-0.000 χ²/NDF: 28.4/33
In: -0.000+/-0.000 χ²/NDF:13.2/16
Out: 0.000+/-0.000 χ²/NDF:13.9/19
All: -0.000+/-0.000 χ²/NDF: 28.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:131118.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 266957.2/2

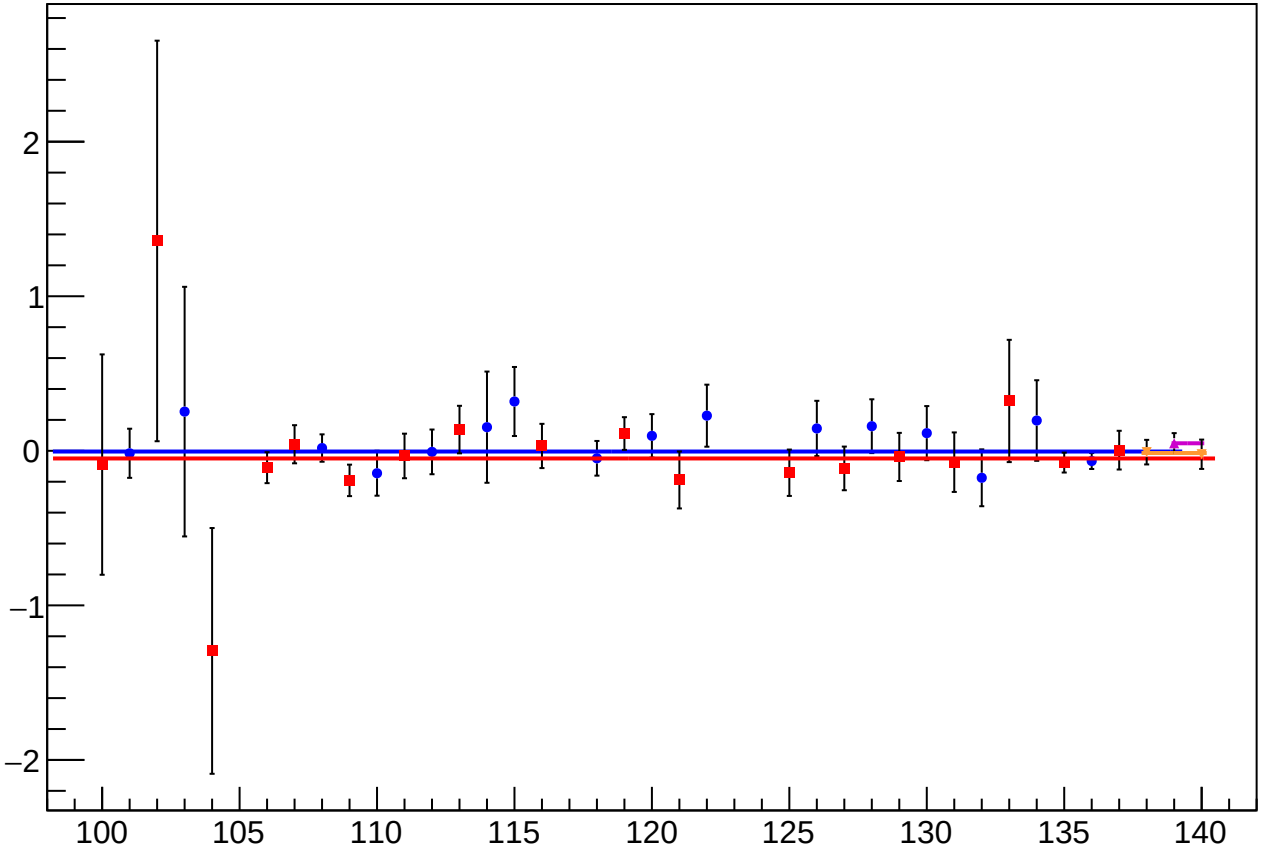
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:2253005.3/16

Out: 0.000+/-0.000 χ^2/NDF:3238487.0/19

All: 0.000+/-0.000 χ^2/NDF: 5667118.8/36

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.014+/-0.061 χ^2/NDF:0.0/1

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.049+/-0.066 χ^2/NDF:0.0/0

Left: 0.015+/-0.045 χ^2/NDF: 0.5/2

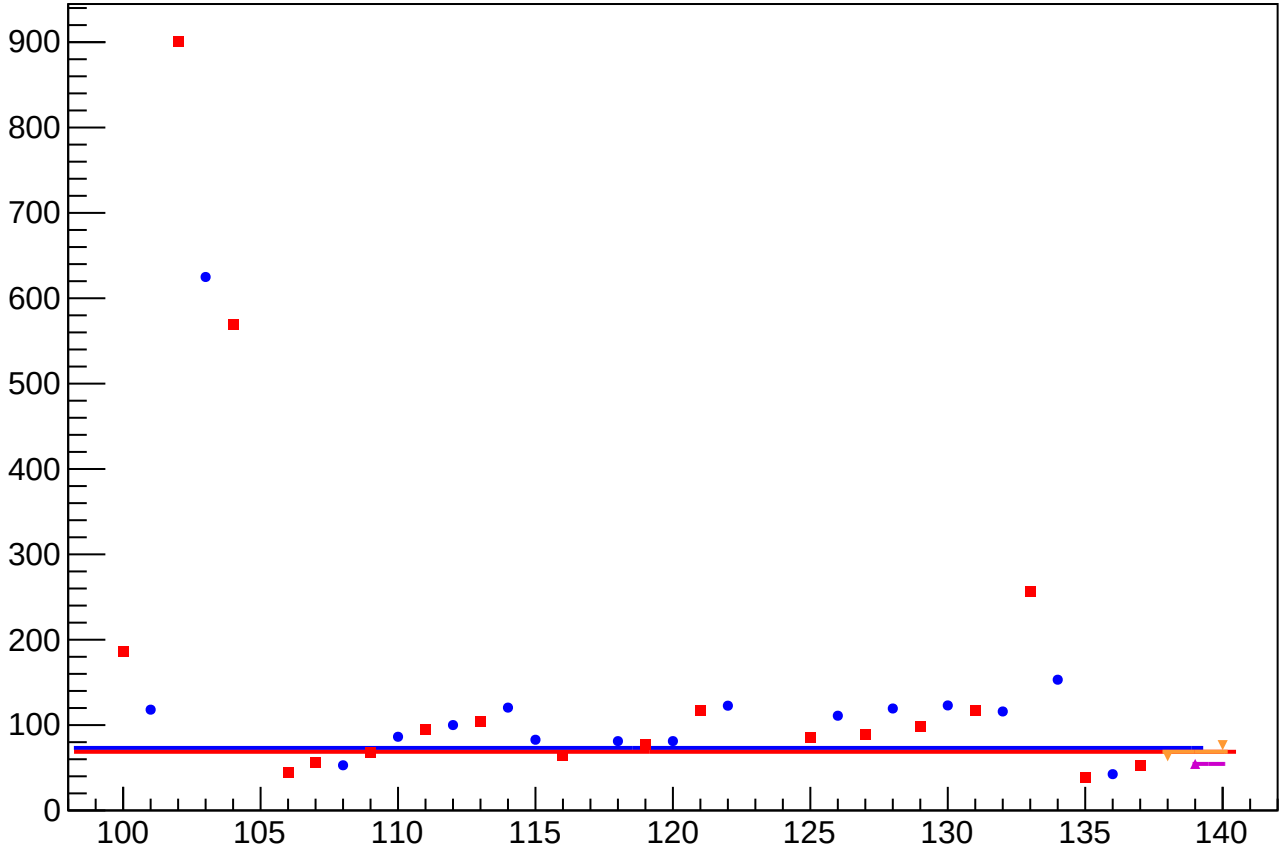
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.006+/-0.029 χ^2/NDF:10.8/16

Out: -0.042+/-0.028 χ^2/NDF:13.3/19

All: -0.019+/-0.020 χ^2/NDF: 25.6/36

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 68.786+/-0.043 χ^2/NDF:22426.9/1

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 54.522+/-0.046 χ^2/NDF:0.0/0

Left: 62.187+/-0.032 χ^2/NDF: 73107.6/2

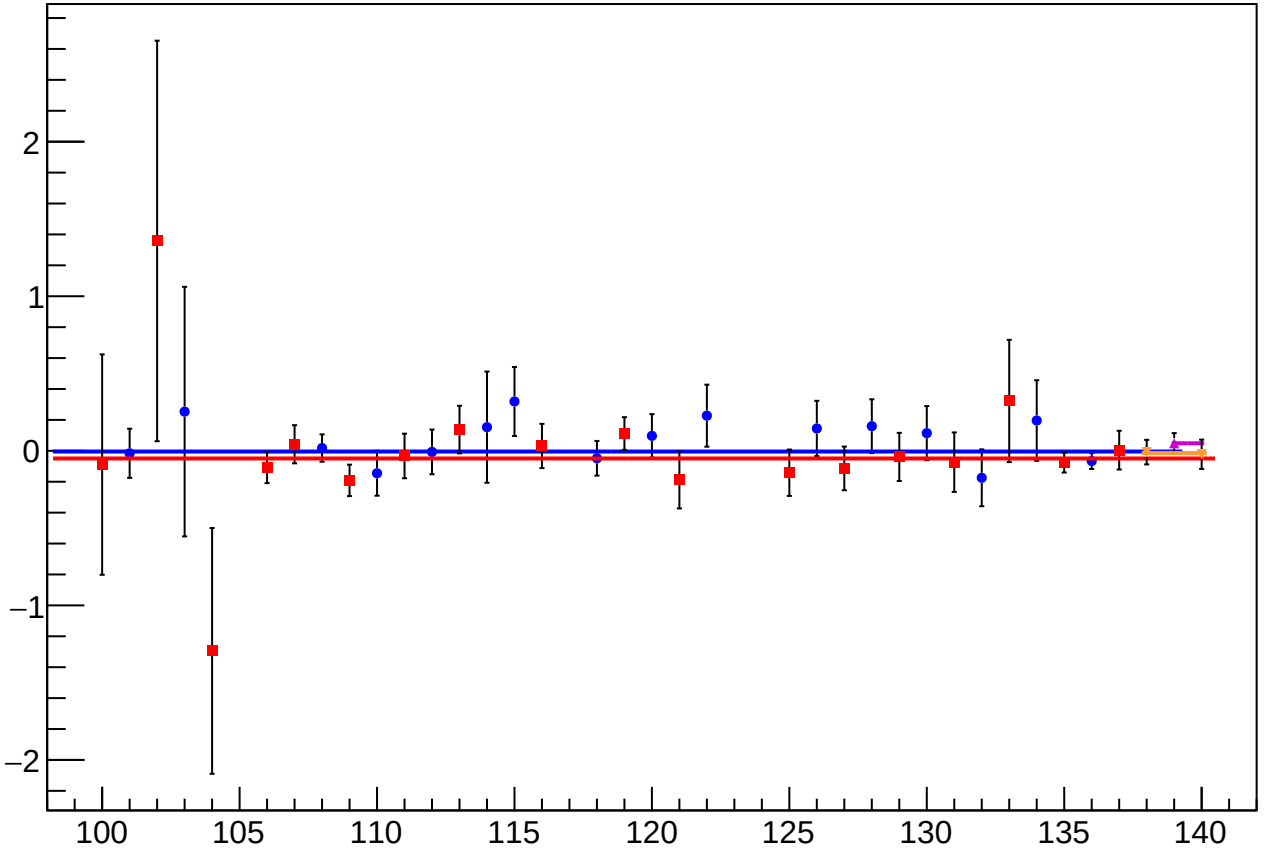
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 69.604+/-0.020 χ^2/NDF:2985429.4/16

Out: 68.737+/-0.020 χ^2/NDF:3354172.7/19

All: 69.158+/-0.014 χ^2/NDF: 6340526.1/36

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.014+/-0.061 χ^2/NDF:0.0/1

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.049+/-0.066 χ^2/NDF:0.0/0

Left: 0.015+/-0.045 χ^2/NDF: 0.5/2

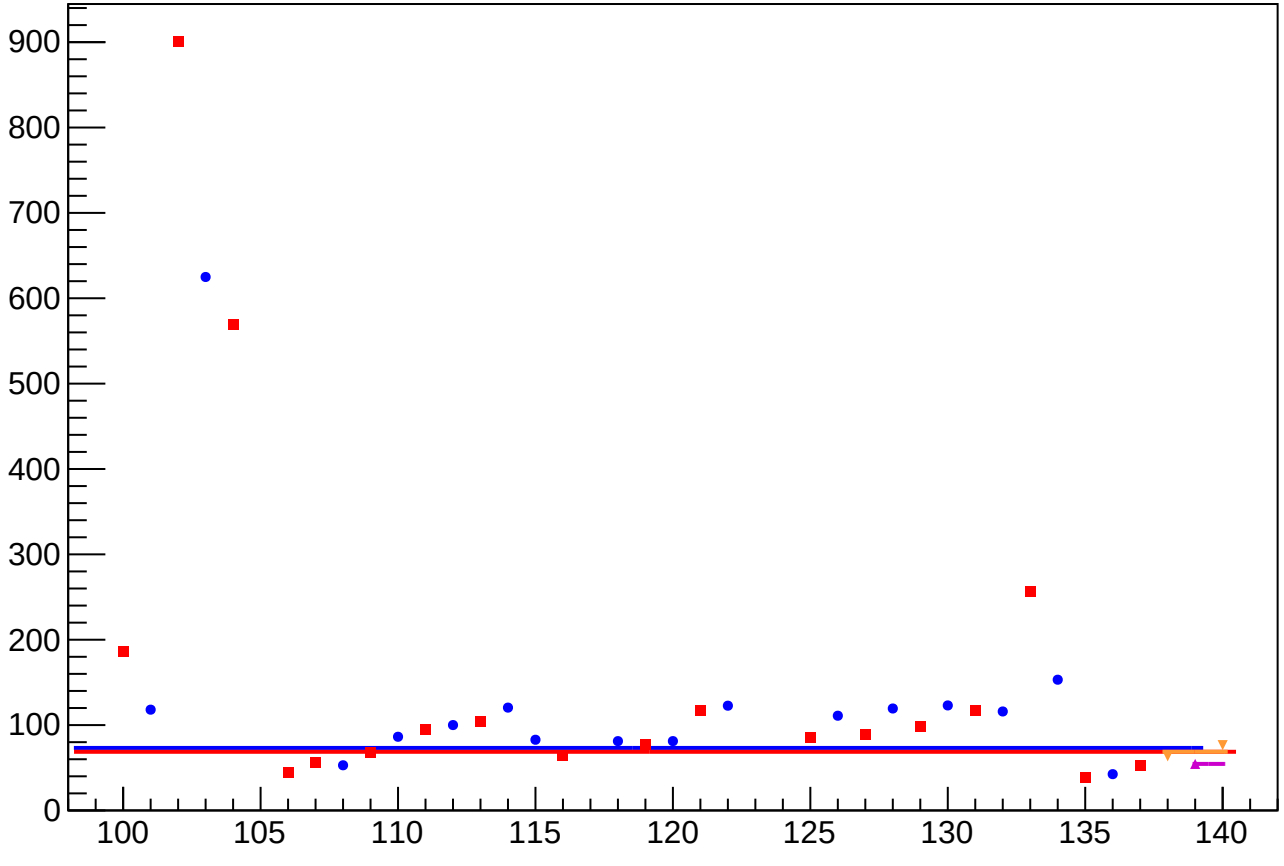
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.006+/-0.029 χ^2/NDF:10.8/16

Out: -0.042+/-0.028 χ^2/NDF:13.3/19

All: -0.019+/-0.020 χ^2/NDF: 25.6/36

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 68.786+/-0.043 χ^2/NDF:22426.9/1

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 54.522+/-0.046 χ^2/NDF:0.0/0

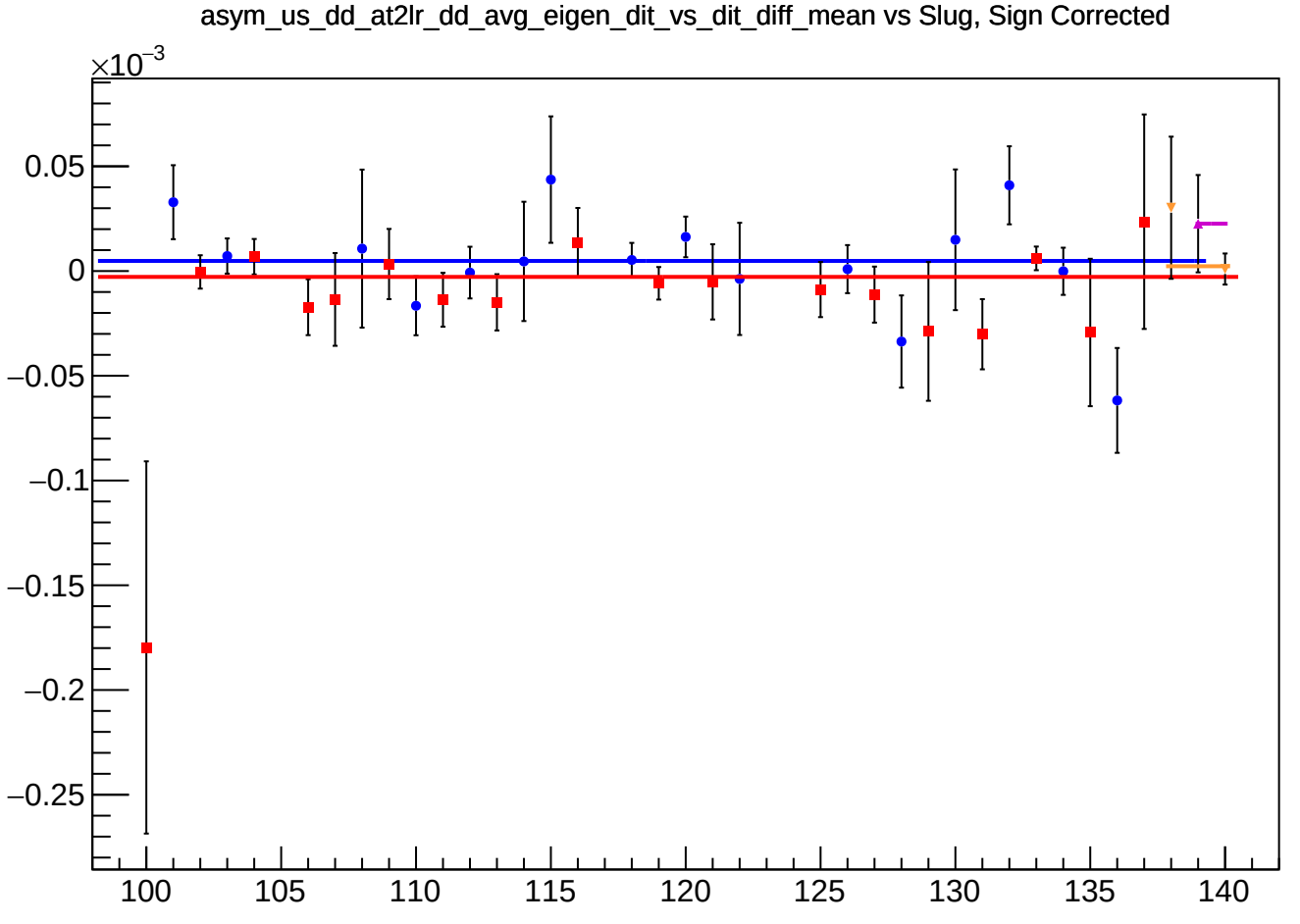
Left: 62.187+/-0.032 χ^2/NDF: 73107.6/2

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 69.604+/-0.020 χ^2/NDF:2985429.4/16

Out: 68.737+/-0.020 χ^2/NDF:3354172.7/19

All: 69.158+/-0.014 χ^2/NDF: 6340526.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 1.4/2

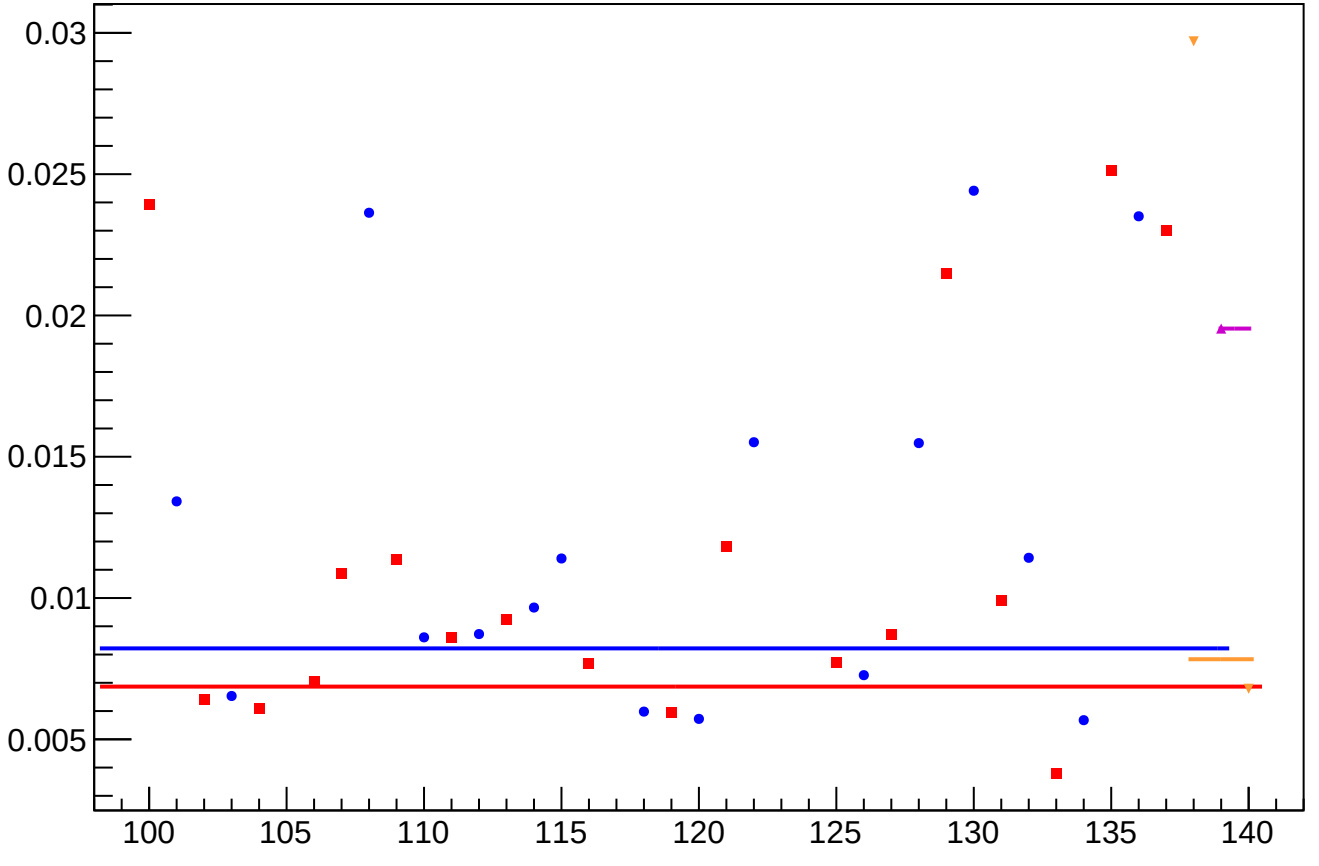
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:23.2/16

Out: -0.000+/-0.000 χ^2/NDF:17.9/19

All: 0.000+/-0.000 χ^2/NDF: 43.9/36

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:870213.4/1

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.020+/-0.000 χ^2/NDF:0.0/0

Left: 0.009+/-0.000 χ^2/NDF: 1332402.1/2

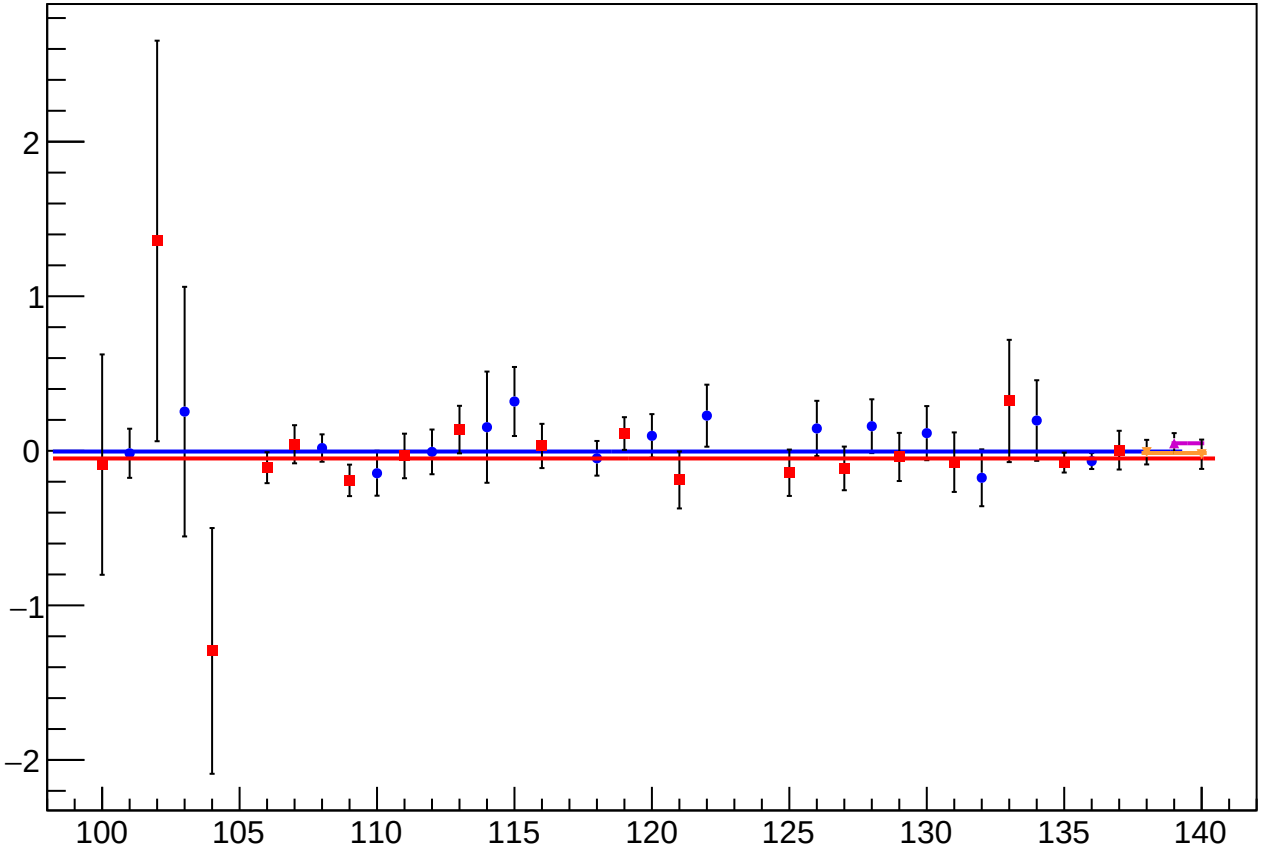
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.008+/-0.000 χ^2/NDF:3120158.6/16

Out: 0.007+/-0.000 χ^2/NDF:3327621.4/19

All: 0.008+/-0.000 χ^2/NDF: 6677672.2/36

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.014+/-0.061 χ^2/NDF:0.0/1

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.049+/-0.066 χ^2/NDF:0.0/0

Left: 0.015+/-0.045 χ^2/NDF: 0.5/2

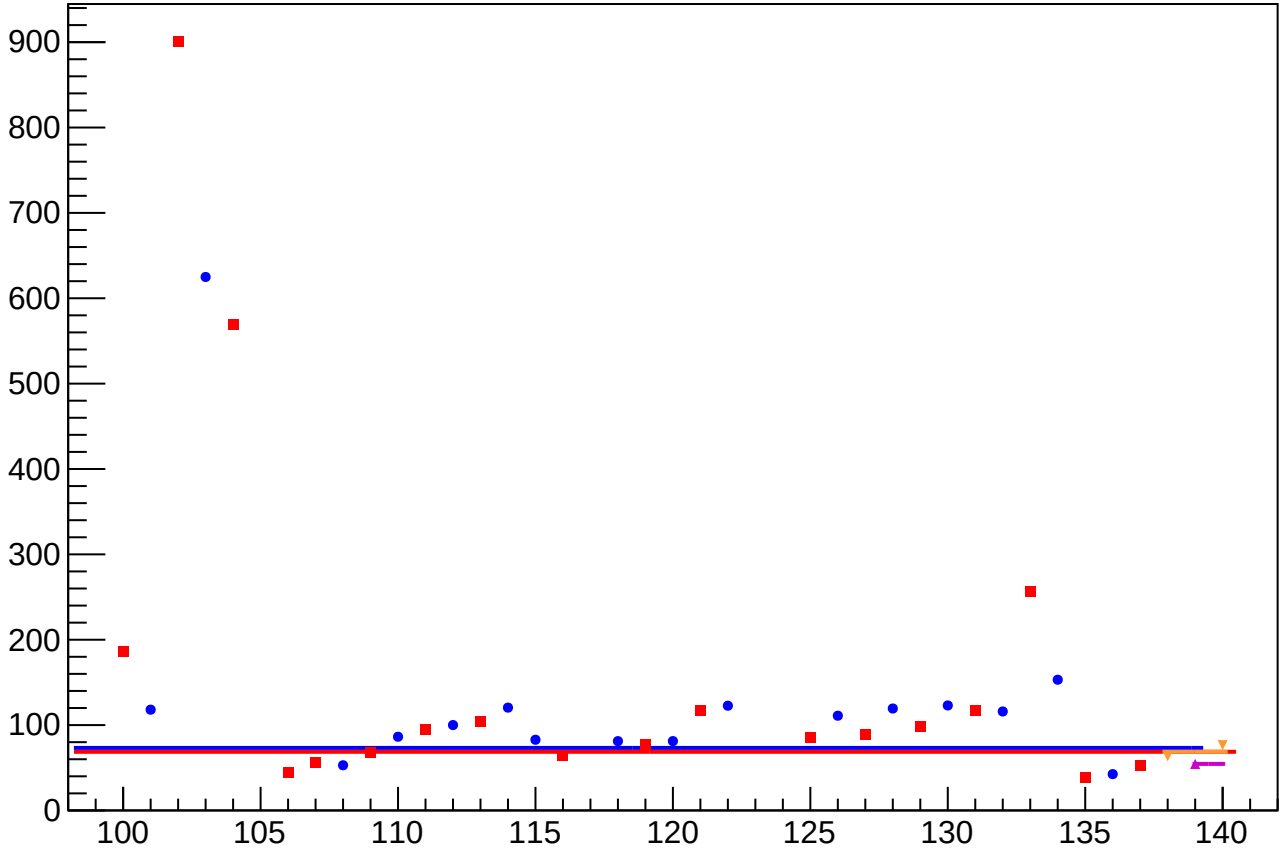
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.006+/-0.029 χ^2/NDF:10.8/16

Out: -0.042+/-0.028 χ^2/NDF:13.3/19

All: -0.019+/-0.020 χ^2/NDF: 25.6/36

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 68.796+/-0.043 χ^2/NDF:22414.7/1

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 54.535+/-0.046 χ^2/NDF:0.0/0

Left: 62.199+/-0.032 χ^2/NDF: 73056.3/2

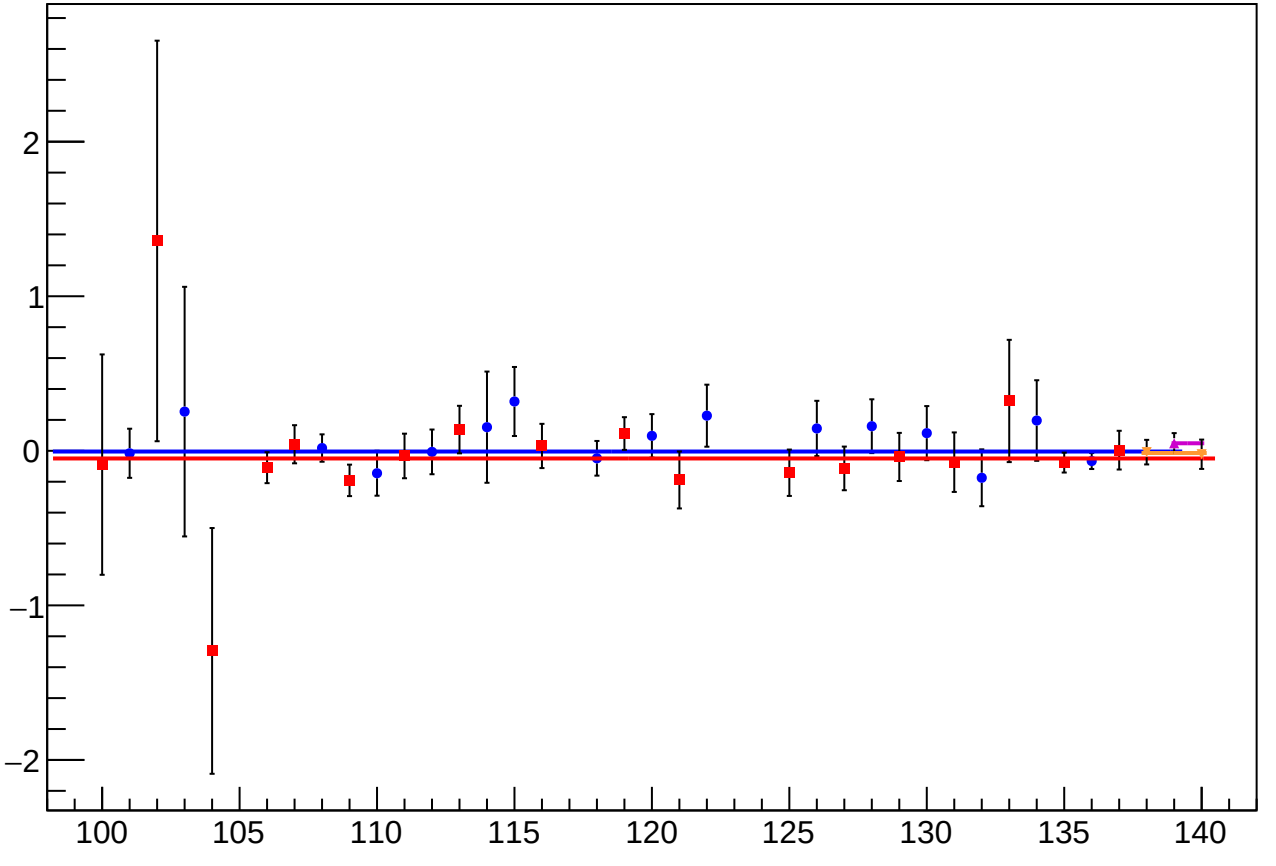
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 69.627+/-0.020 χ^2/NDF:2983251.5/16

Out: 68.730+/-0.020 χ^2/NDF:3355162.3/19

All: 69.165+/-0.014 χ^2/NDF: 6339401.4/36

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.014+/-0.061 χ^2/NDF:0.0/1

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.049+/-0.066 χ^2/NDF:0.0/0

Left: 0.015+/-0.045 χ^2/NDF: 0.5/2

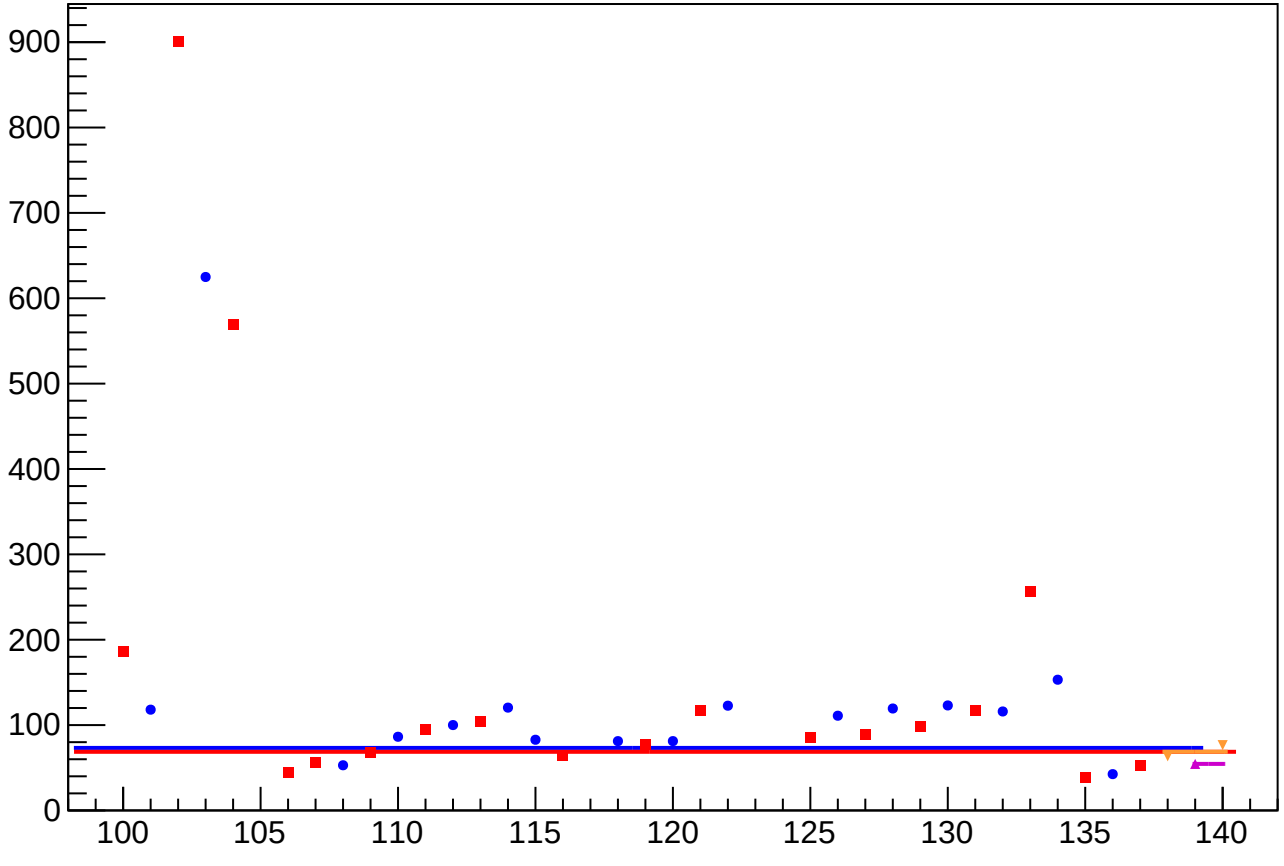
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.006+/-0.029 χ^2/NDF:10.8/16

Out: -0.042+/-0.028 χ^2/NDF:13.3/19

All: -0.019+/-0.020 χ^2/NDF: 25.6/36

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 68.796+/-0.043 χ^2/NDF:22414.7/1

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 54.535+/-0.046 χ^2/NDF:0.0/0

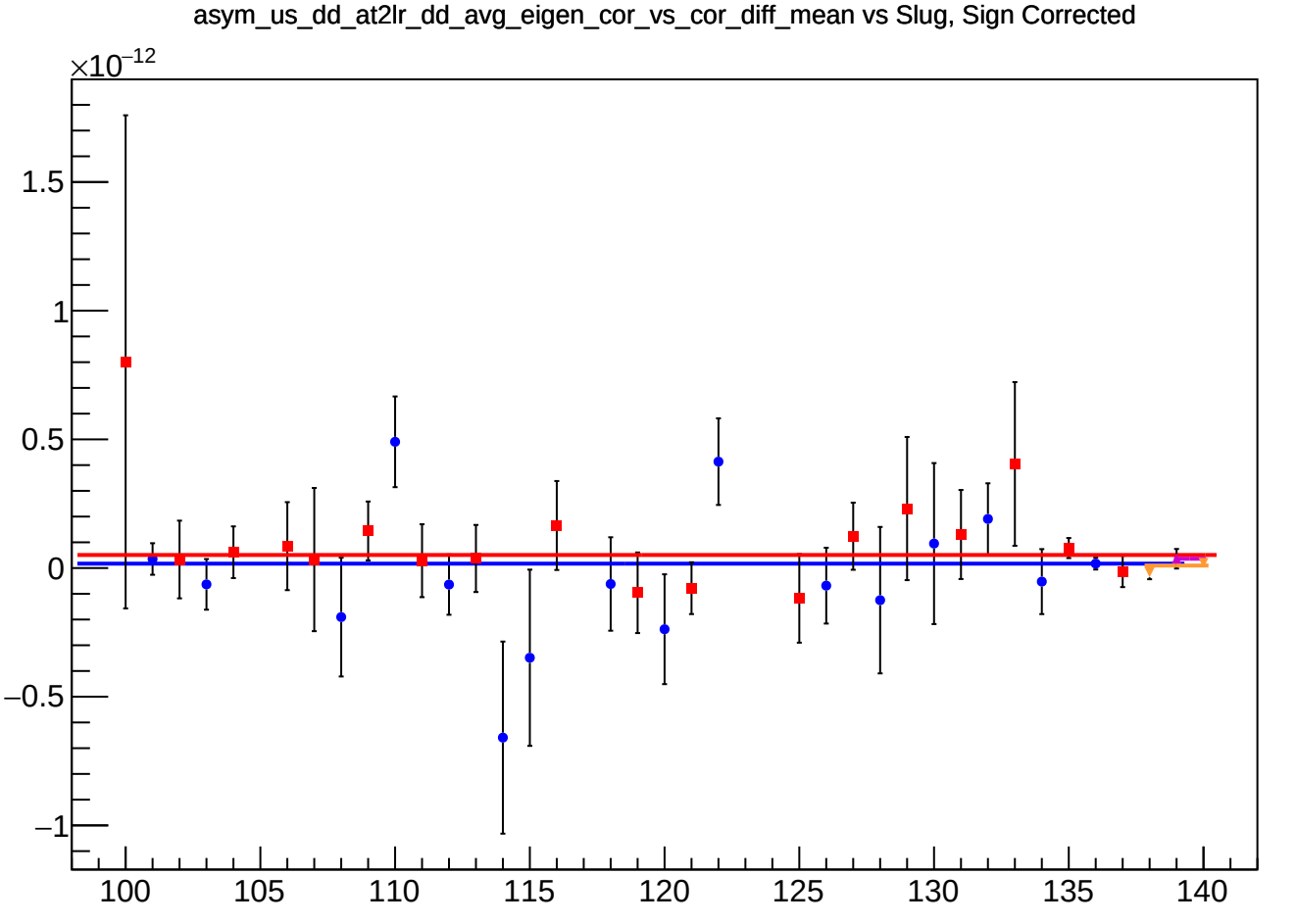
Left: 62.199+/-0.032 χ^2/NDF: 73056.3/2

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 69.627+/-0.020 χ^2/NDF:2983251.5/16

Out: 68.730+/-0.020 χ^2/NDF:3355162.3/19

All: 69.165+/-0.014 χ^2/NDF: 6339401.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

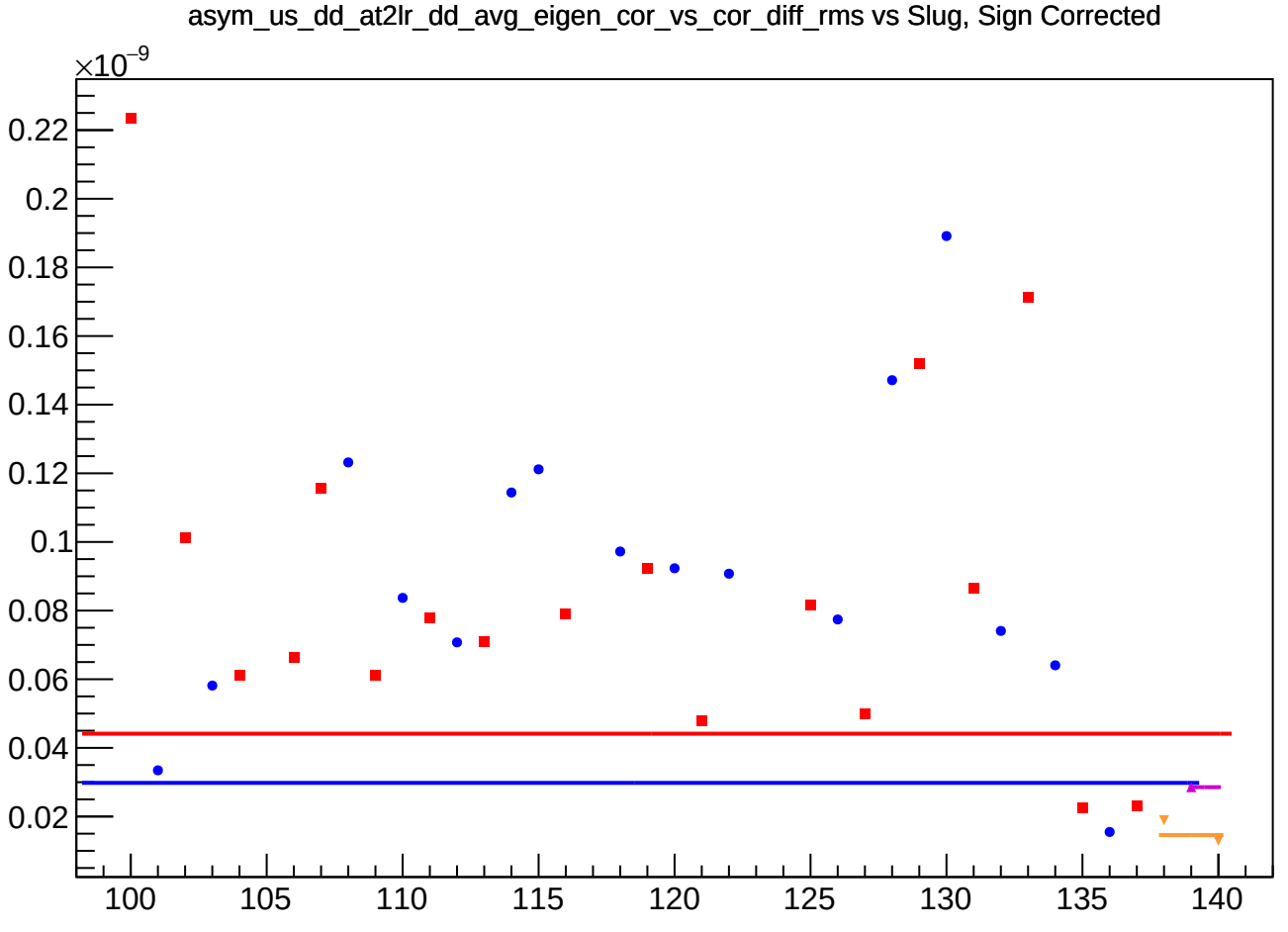
Left: 0.000+/-0.000 χ^2/NDF: 1.8/2

Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:23.6/16

Out: 0.000+/-0.000 χ^2/NDF:12.5/19

All: 0.000+/-0.000 χ^2/NDF: 36.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 4079776.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:71478.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2779318.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

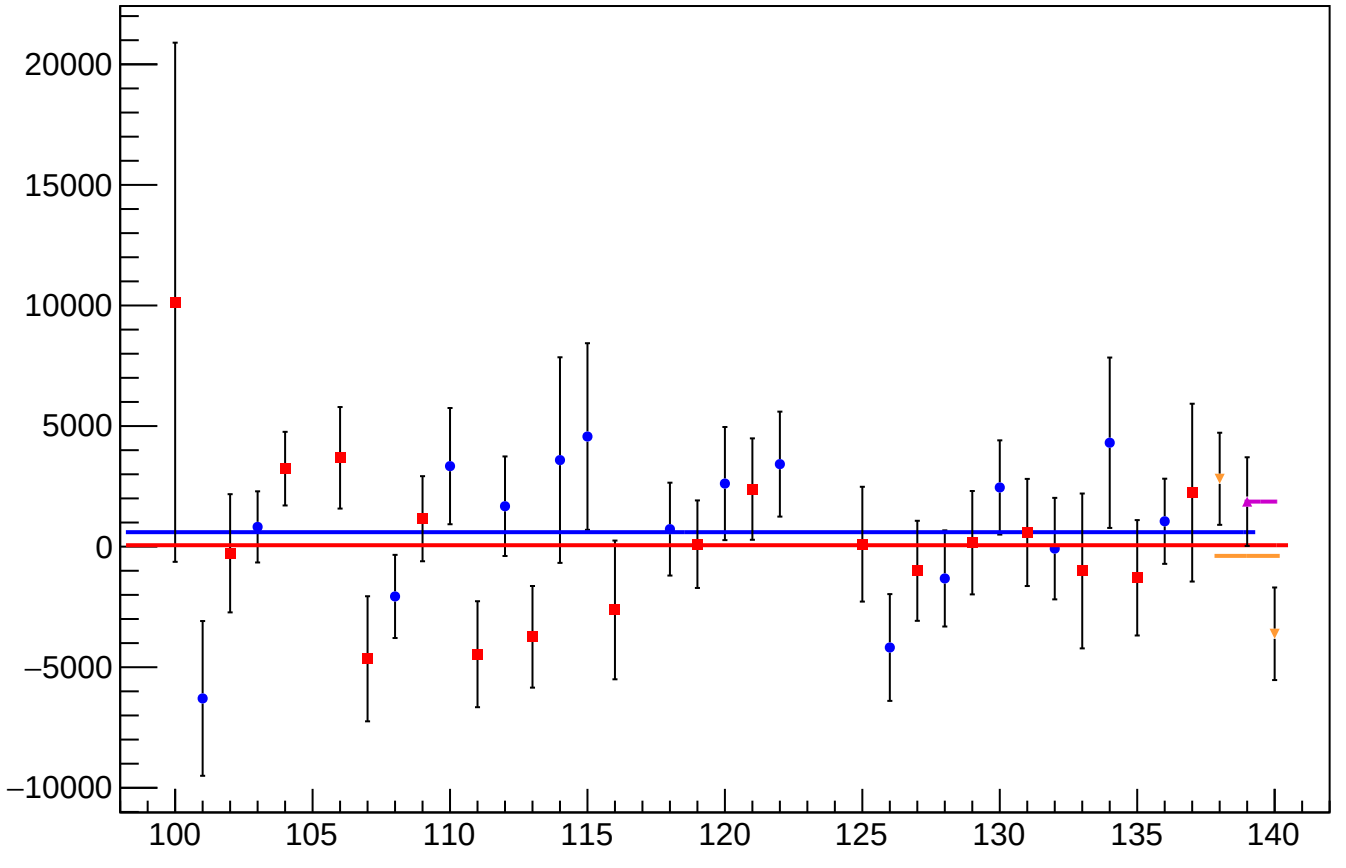
Left: 0.000+/-0.000 χ^2/NDF: 308433.5/2

Right: 0.000+/-0.000 χ^2/NDF: 7274202.8/33

In: 0.000+/-0.000 χ^2/NDF:4081508.1/16

Out: 0.000+/-0.000 χ^2/NDF:4992925.8/19

All: 0.000+/-0.000 χ^2/NDF: 9340500.3/36



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -383.312+/-1353.712 χ^2/NDF:5.6/1

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 1867.698+/-1838.552 χ^2/NDF:0.0/0

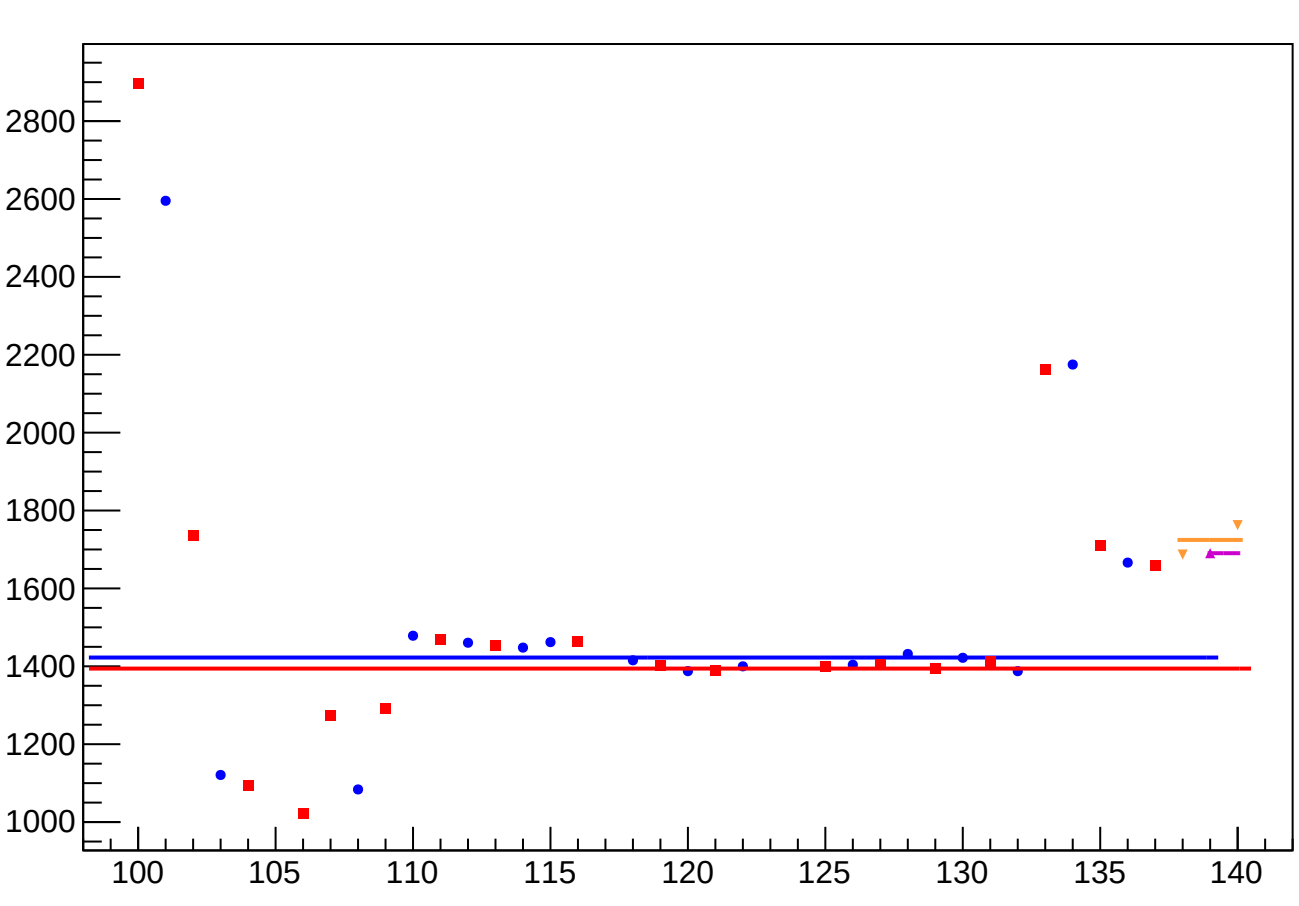
Left: 408.019+/-1090.100 χ^2/NDF: 6.6/2

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 700.826+/-518.162 χ^2/NDF:20.8/16

Out: 0.251+/-493.689 χ^2/NDF:28.3/19

All: 333.605+/-357.430 χ^2/NDF: 50.0/36



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1724.516+/-0.957 χ^2/NDF:1556.4/1

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1690.440+/-1.300 χ^2/NDF:0.0/0

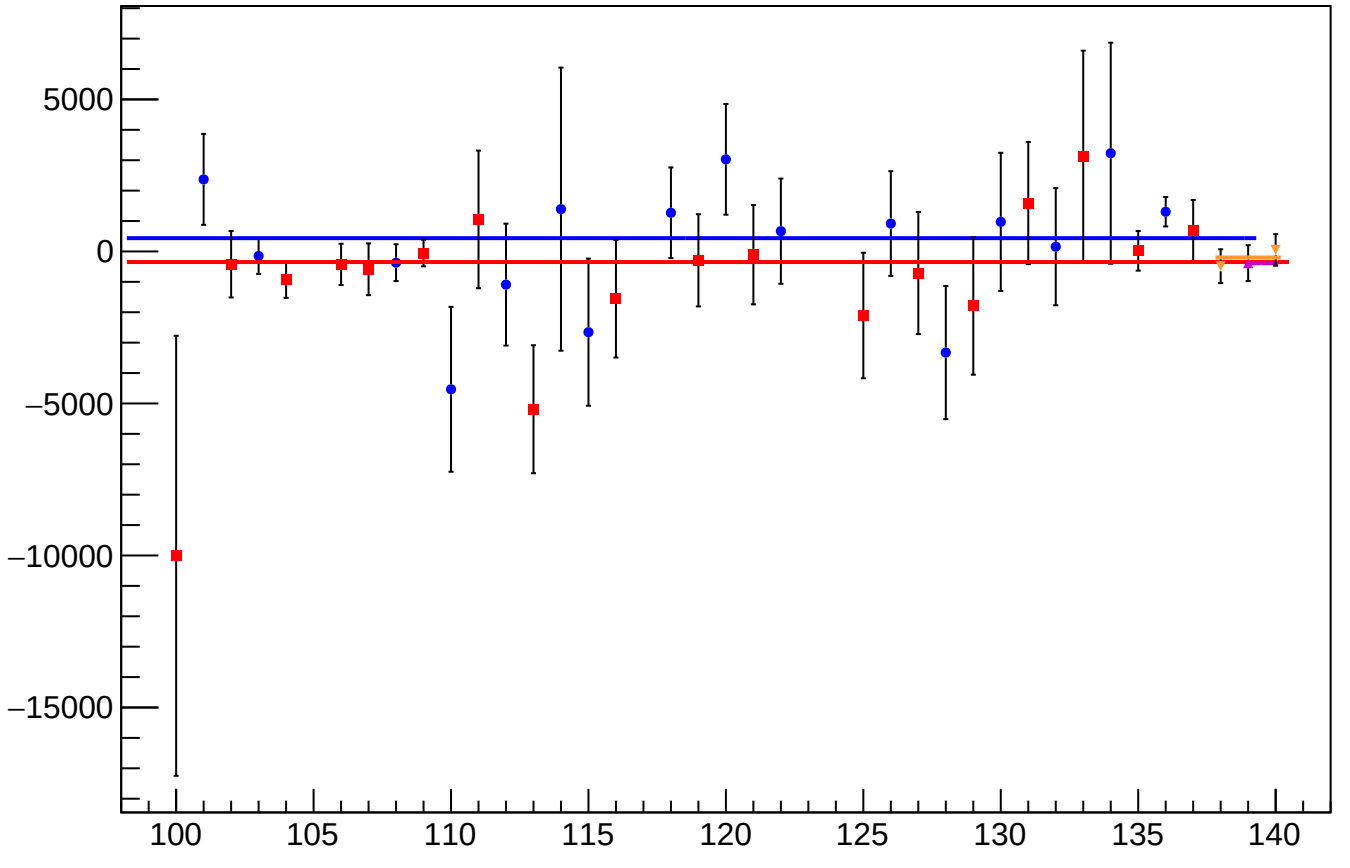
Left: 1712.537+/-0.771 χ^2/NDF: 2001.9/2

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1443.796+/-0.366 χ^2/NDF:599357.9/16

Out: 1438.107+/-0.349 χ^2/NDF:498482.5/19

All: 1440.814+/-0.253 χ^2/NDF: 1097966.8/36



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: -199.151+/-378.927 χ^2/NDF:0.5/1

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -385.338+/-589.582 χ^2/NDF:0.0/0

Left: -253.577+/-318.767 χ^2/NDF: 0.6/2

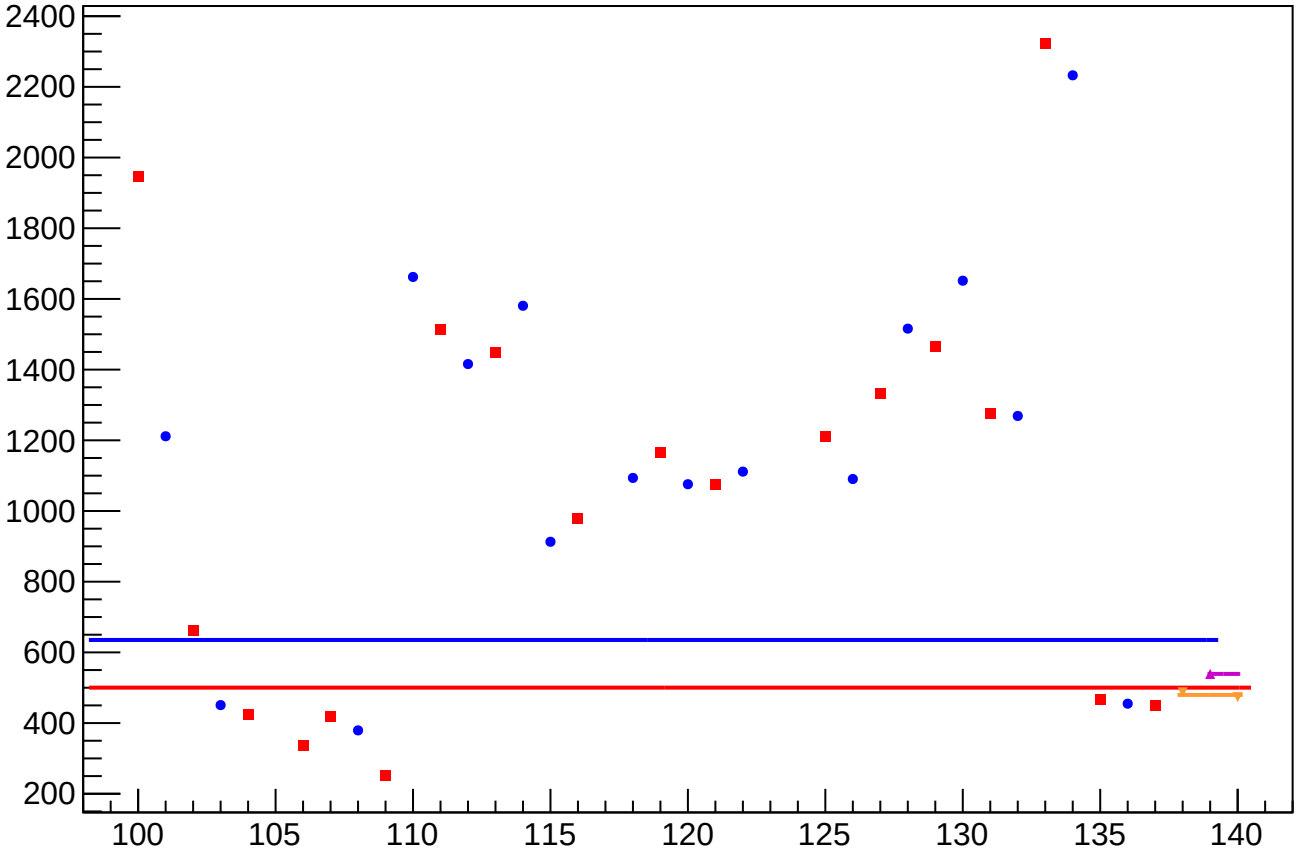
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 288.853+/-249.904 χ^2/NDF:20.9/16

Out: -307.383+/-198.940 χ^2/NDF:14.5/19

All: -76.104+/-155.644 χ^2/NDF: 38.9/36

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 479.628+/-0.268 χ^2/NDF:660.2/1

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 539.090+/-0.417 χ^2/NDF:0.0/0

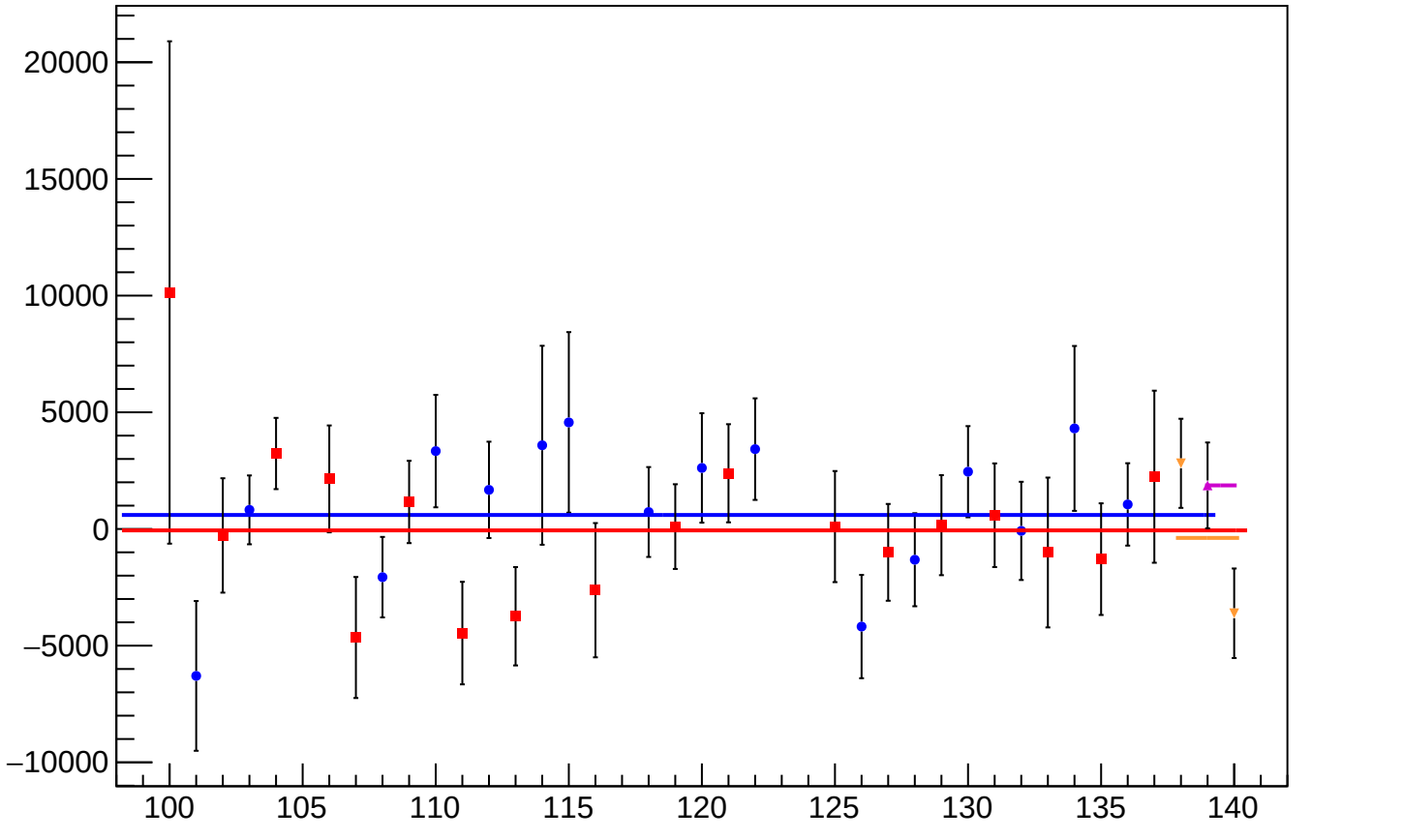
Left: 497.010+/-0.225 χ^2/NDF: 15056.8/2

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 617.879+/-0.177 χ^2/NDF:3796122.4/16

Out: 494.552+/-0.141 χ^2/NDF:4314036.3/19

All: 542.391+/-0.110 χ^2/NDF: 8408298.8/36



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -383.334+/-1353.712 χ^2/NDF:5.6/1

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 1867.957+/-1838.552 χ^2/NDF:0.0/0

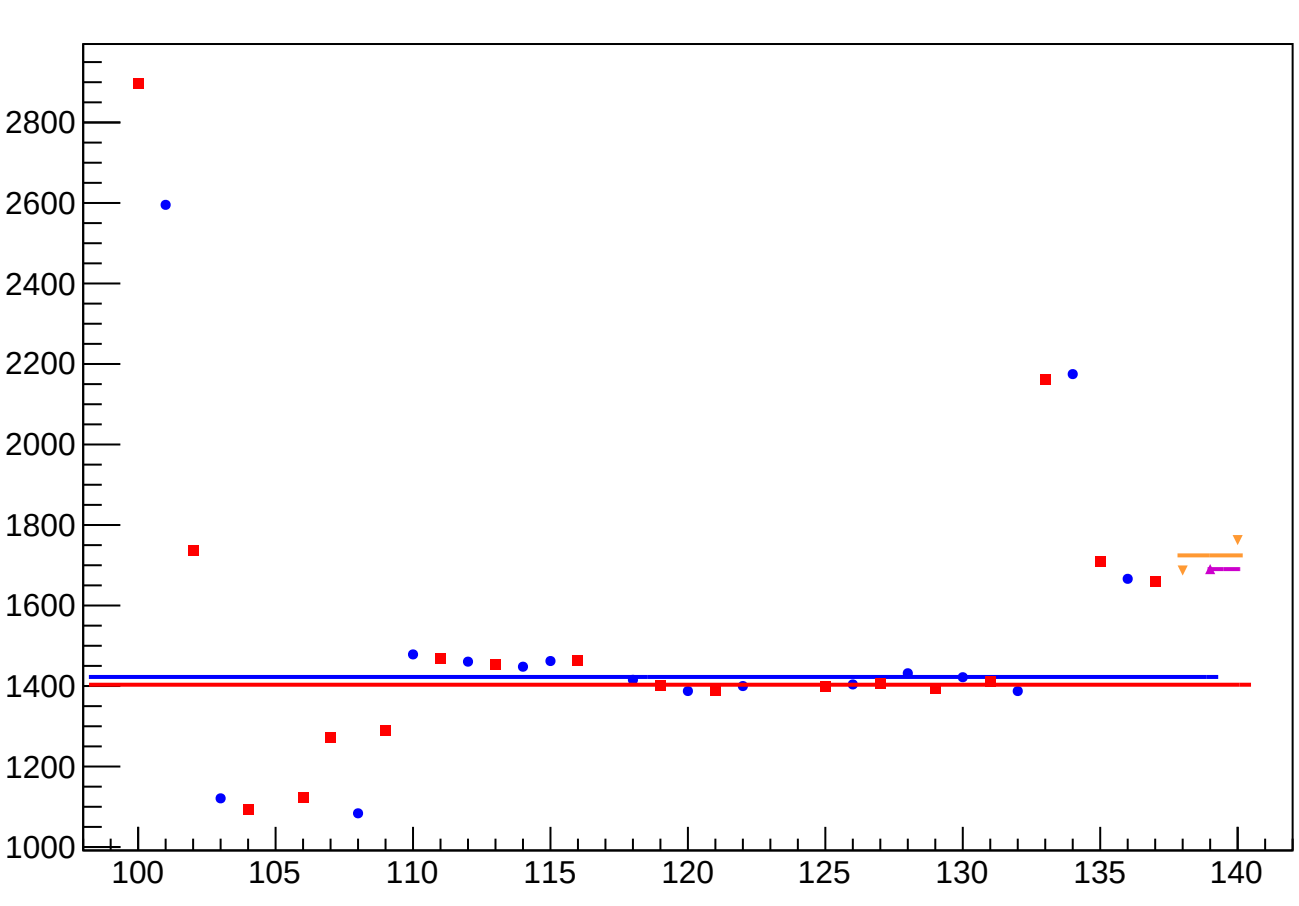
Left: 408.095+/-1090.100 χ^2/NDF: 6.6/2

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 700.731+/-518.162 χ^2/NDF:20.8/16

Out: -103.685+/-495.803 χ^2/NDF:26.0/19

All: 280.793+/-358.229 χ^2/NDF: 48.1/36



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1724.516+/-0.957 χ^2/NDF:1556.4/1

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1690.440+/-1.300 χ^2/NDF:0.0/0

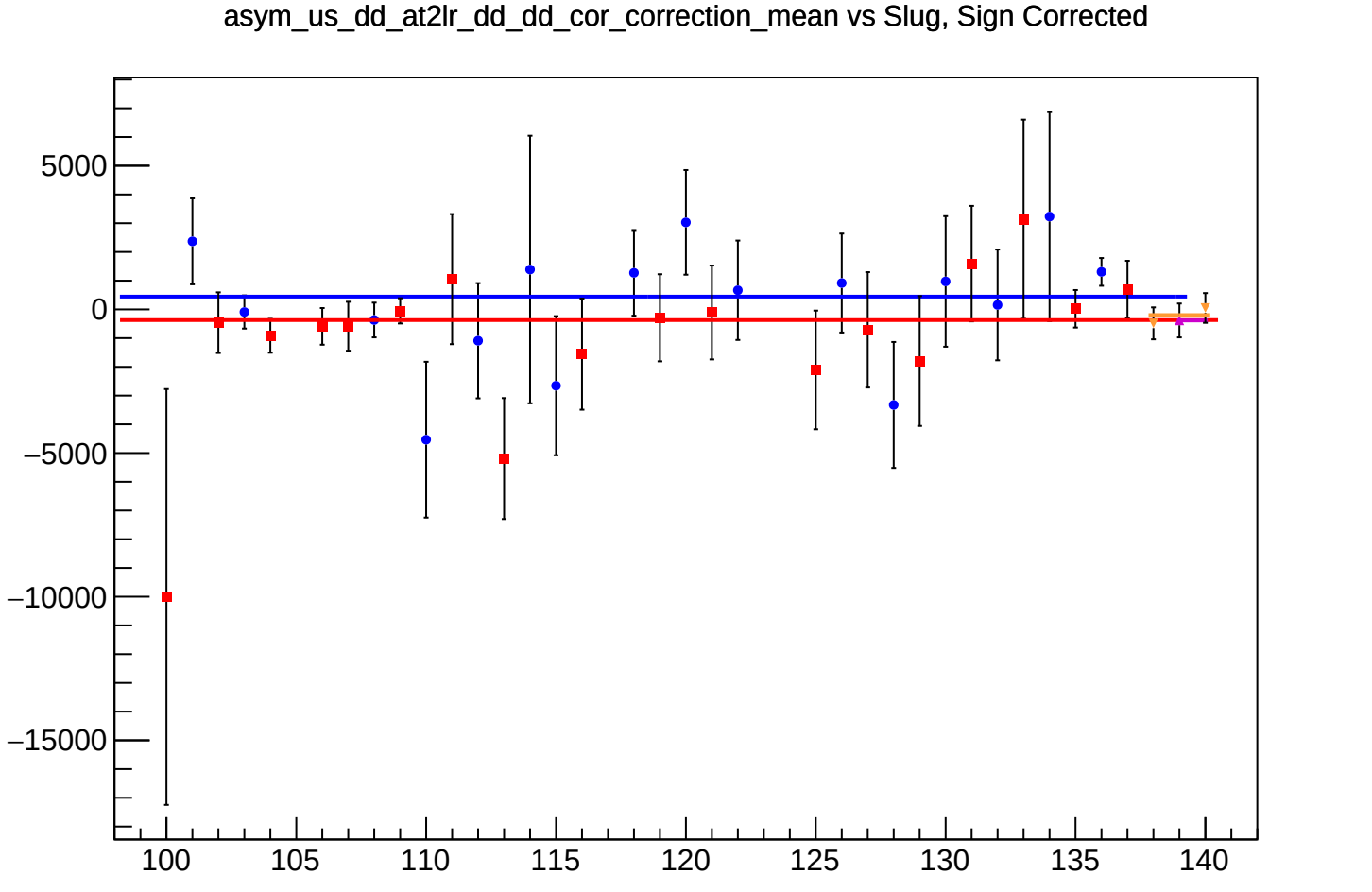
Left: 1712.537+/-0.771 χ^2/NDF: 2001.9/2

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1443.796+/-0.366 χ^2/NDF:599358.2/16

Out: 1446.319+/-0.351 χ^2/NDF:458221.9/19

All: 1445.113+/-0.253 χ^2/NDF: 1057604.8/36



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -199.125+/-378.941 χ^2/NDF:0.5/1

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -385.145+/-589.575 χ^2/NDF:0.0/0

Left: -253.506+/-318.775 χ^2/NDF: 0.6/2

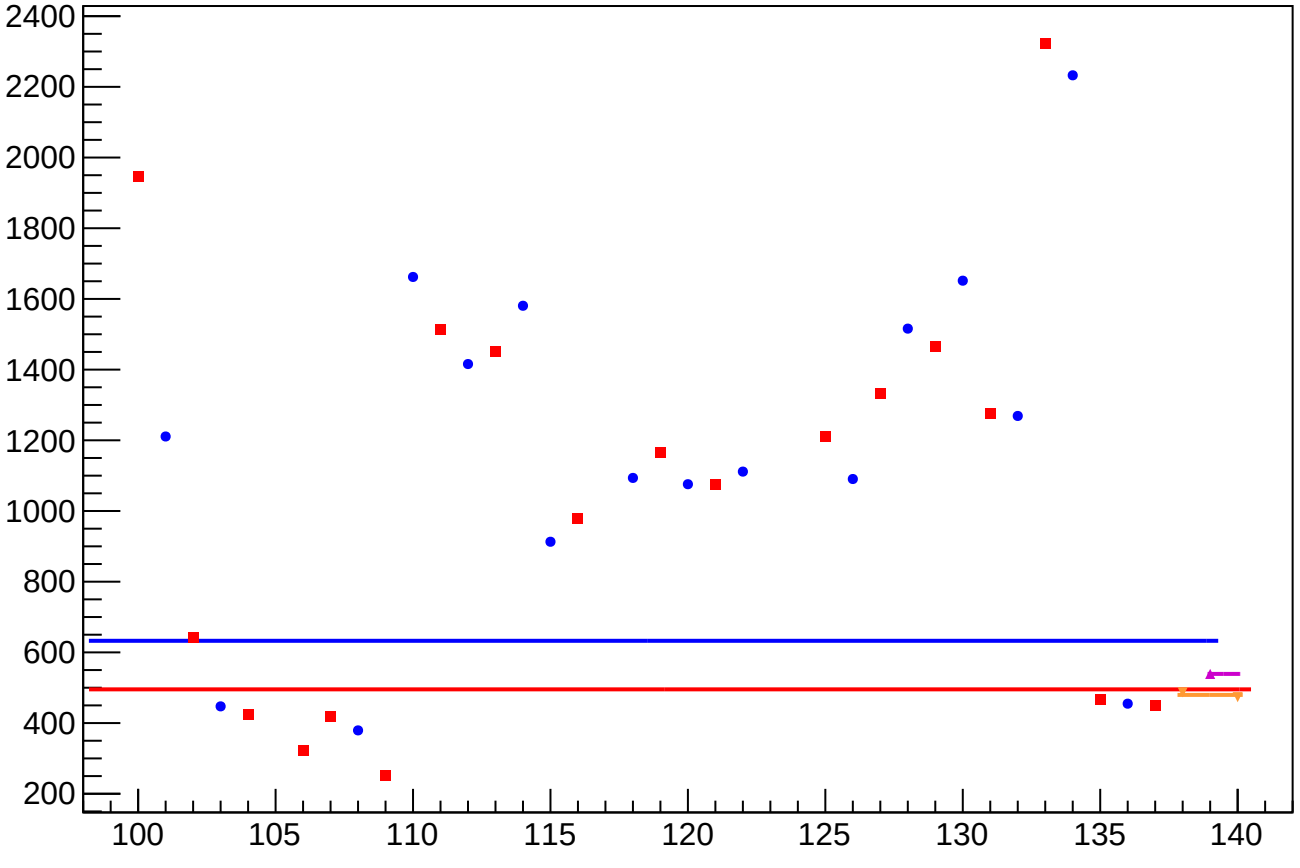
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 296.995+/-249.026 χ^2/NDF:20.8/16

Out: -325.451+/-197.461 χ^2/NDF:14.7/19

All: -85.169+/-154.723 χ^2/NDF: 39.3/36

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 479.648+/-0.268 χ^2/NDF:657.9/1

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 539.084+/-0.417 χ^2/NDF:0.0/0

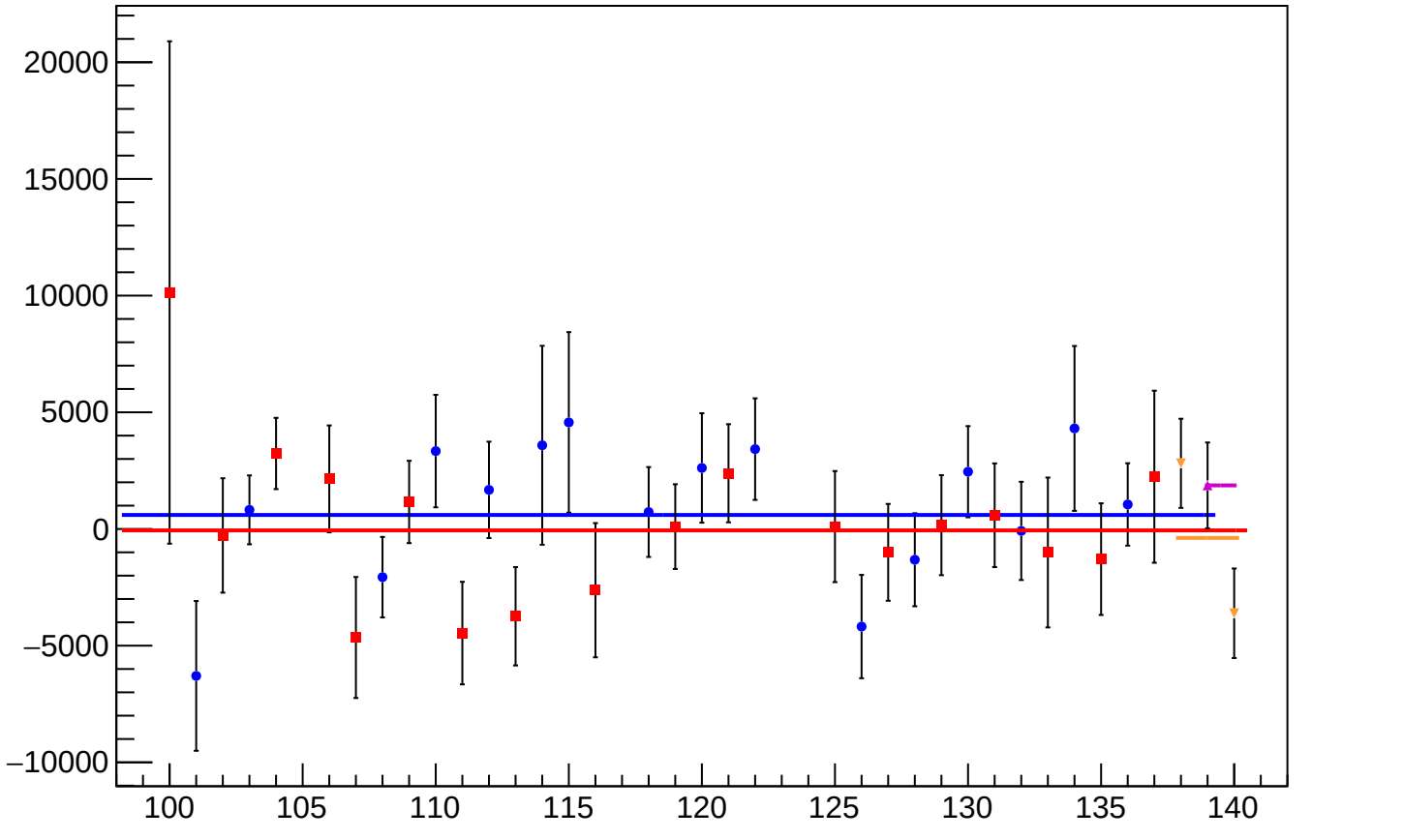
Left: 497.023+/-0.225 χ^2/NDF: 15041.8/2

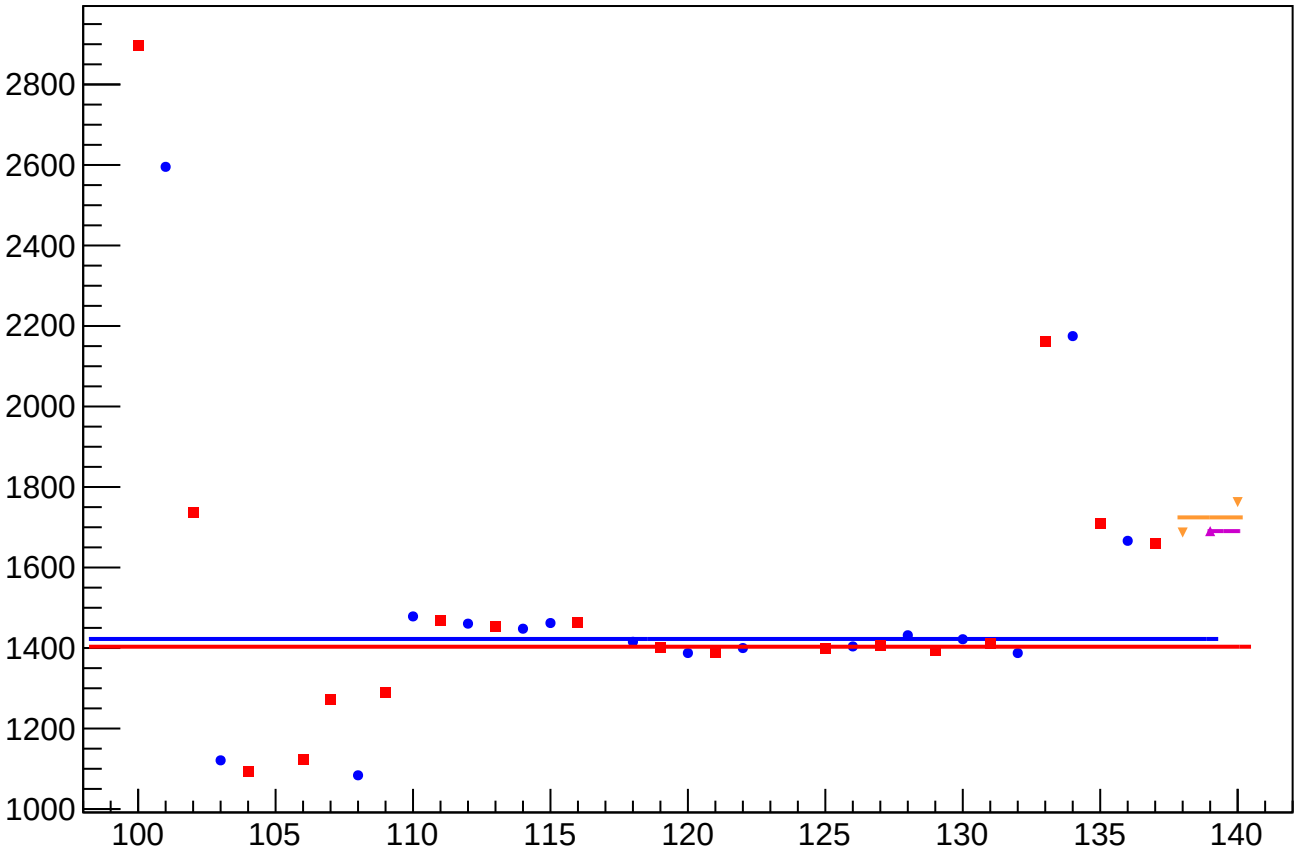
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 616.042+/-0.176 χ^2/NDF:3809207.6/16

Out: 491.108+/-0.140 χ^2/NDF:4340653.9/19

All: 539.336+/-0.109 χ^2/NDF: 8458922.2/36


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -383.334+/-1353.712 χ²/NDF:5.6/1
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 1867.957+/-1838.552 χ²/NDF:0.0/0
Left: 408.095+/-1090.100 χ²/NDF: 6.6/2
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 700.731+/-518.162 χ²/NDF:20.8/16
Out: -103.685+/-495.803 χ²/NDF:26.0/19
All: 280.793+/-358.229 χ²/NDF: 48.1/36



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1724.516+/-0.957 χ^2/NDF:1556.4/1

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1690.440+/-1.300 χ^2/NDF:0.0/0

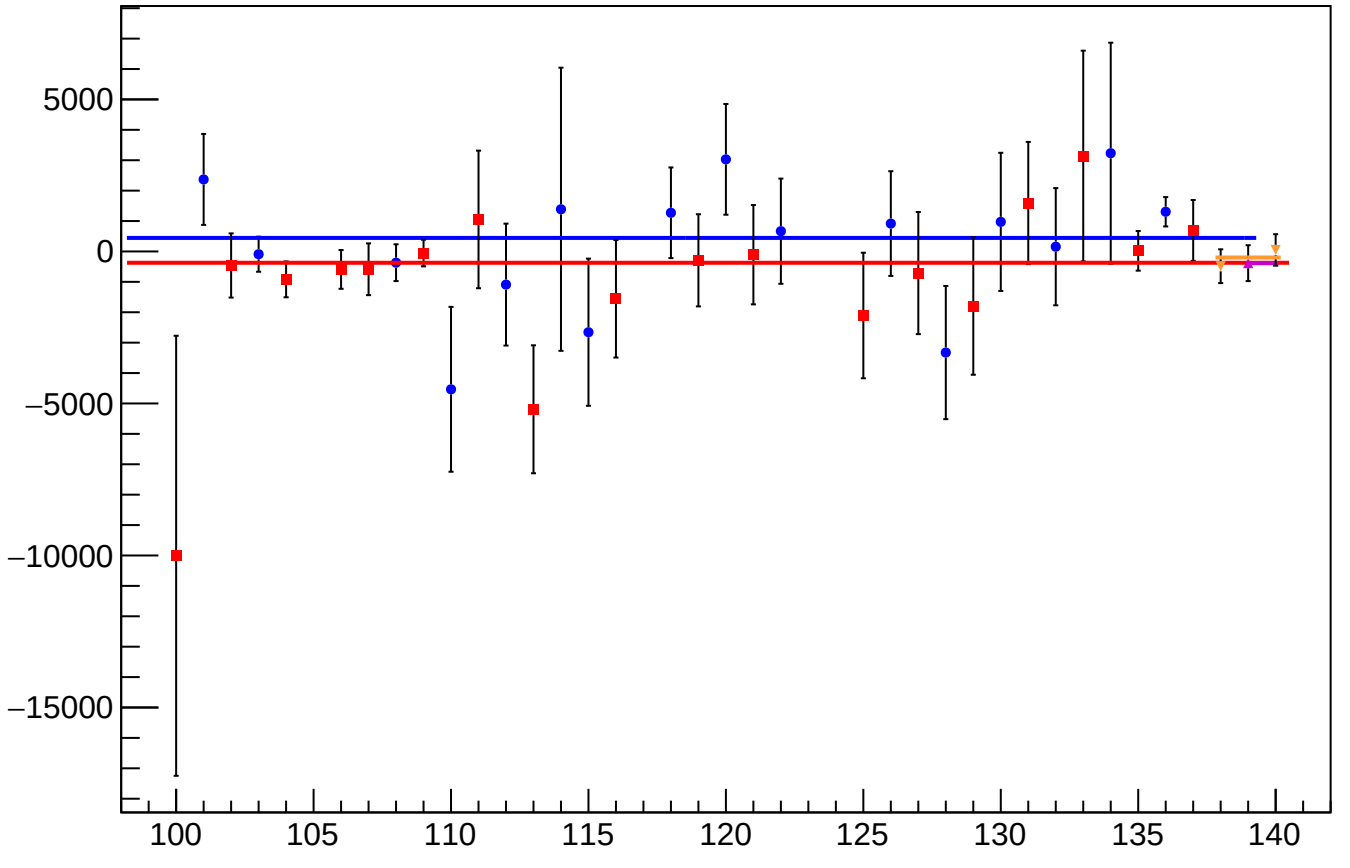
Left: 1712.537+/-0.771 χ^2/NDF: 2001.9/2

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1443.796+/-0.366 χ^2/NDF:599358.2/16

Out: 1446.319+/-0.351 χ^2/NDF:458221.9/19

All: 1445.113+/-0.253 χ^2/NDF: 1057604.8/36



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -199.125+/-378.941 χ^2/NDF:0.5/1

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -385.145+/-589.575 χ^2/NDF:0.0/0

Left: -253.506+/-318.775 χ^2/NDF: 0.6/2

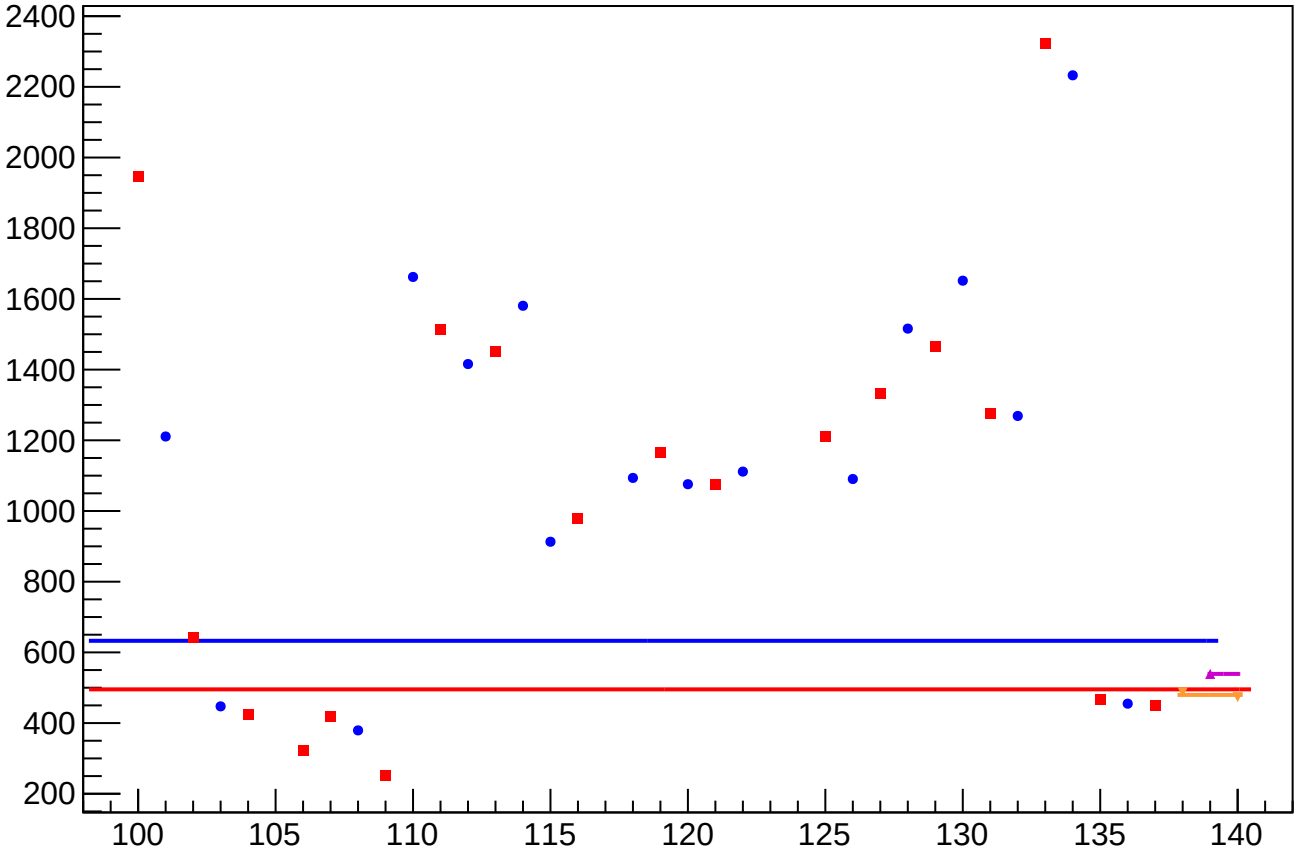
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 296.995+/-249.026 χ^2/NDF:20.8/16

Out: -325.451+/-197.461 χ^2/NDF:14.7/19

All: -85.169+/-154.723 χ^2/NDF: 39.3/36

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 479.648+/-0.268 χ^2/NDF:657.9/1

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 539.084+/-0.417 χ^2/NDF:0.0/0

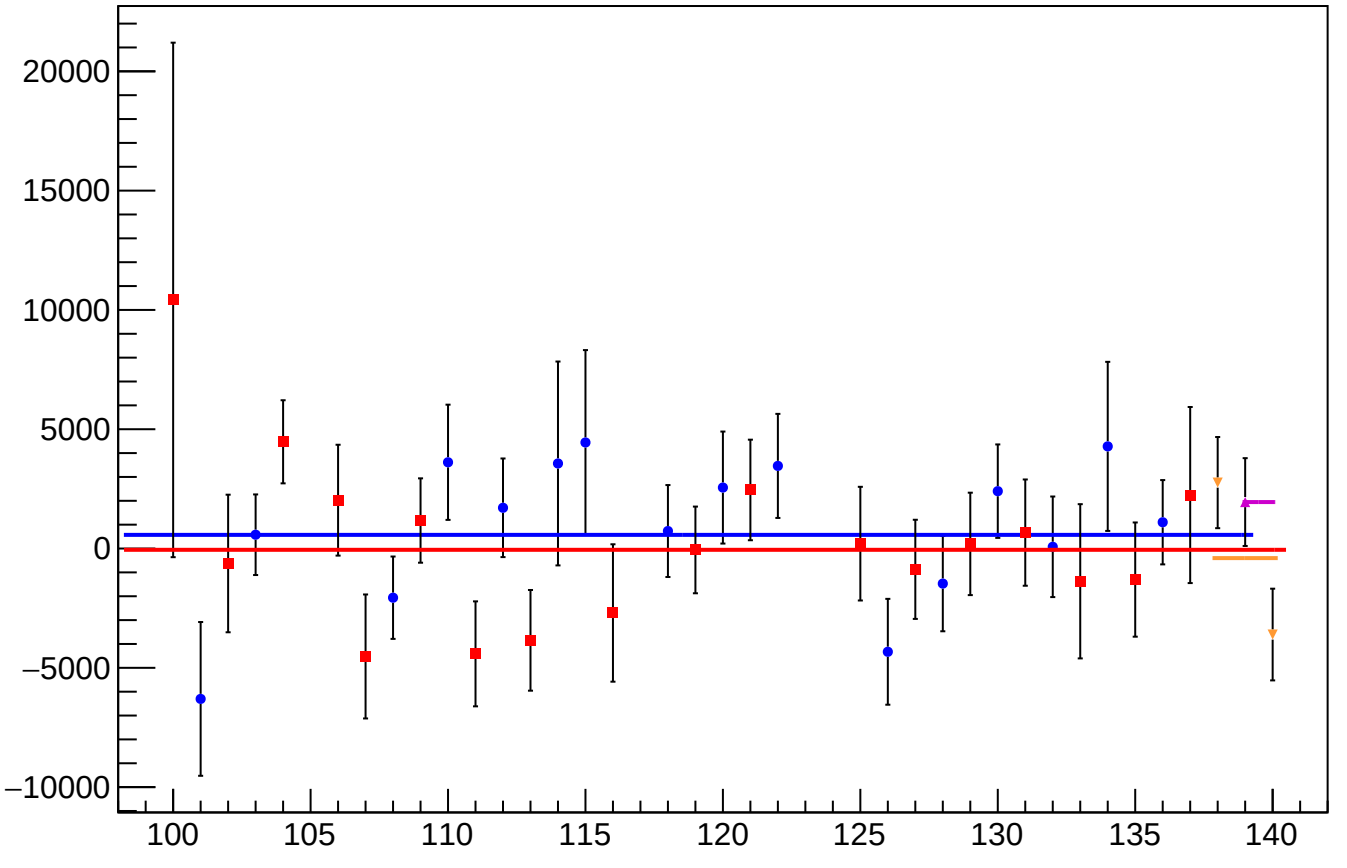
Left: 497.023+/-0.225 χ^2/NDF: 15041.8/2

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 616.042+/-0.176 χ^2/NDF:3809207.6/16

Out: 491.108+/-0.140 χ^2/NDF:4340653.9/19

All: 539.336+/-0.109 χ^2/NDF: 8458922.2/36



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -401.524+/-1354.902 χ^2/NDF:5.5/1

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: 1947.322+/-1840.184 χ^2/NDF:0.0/0

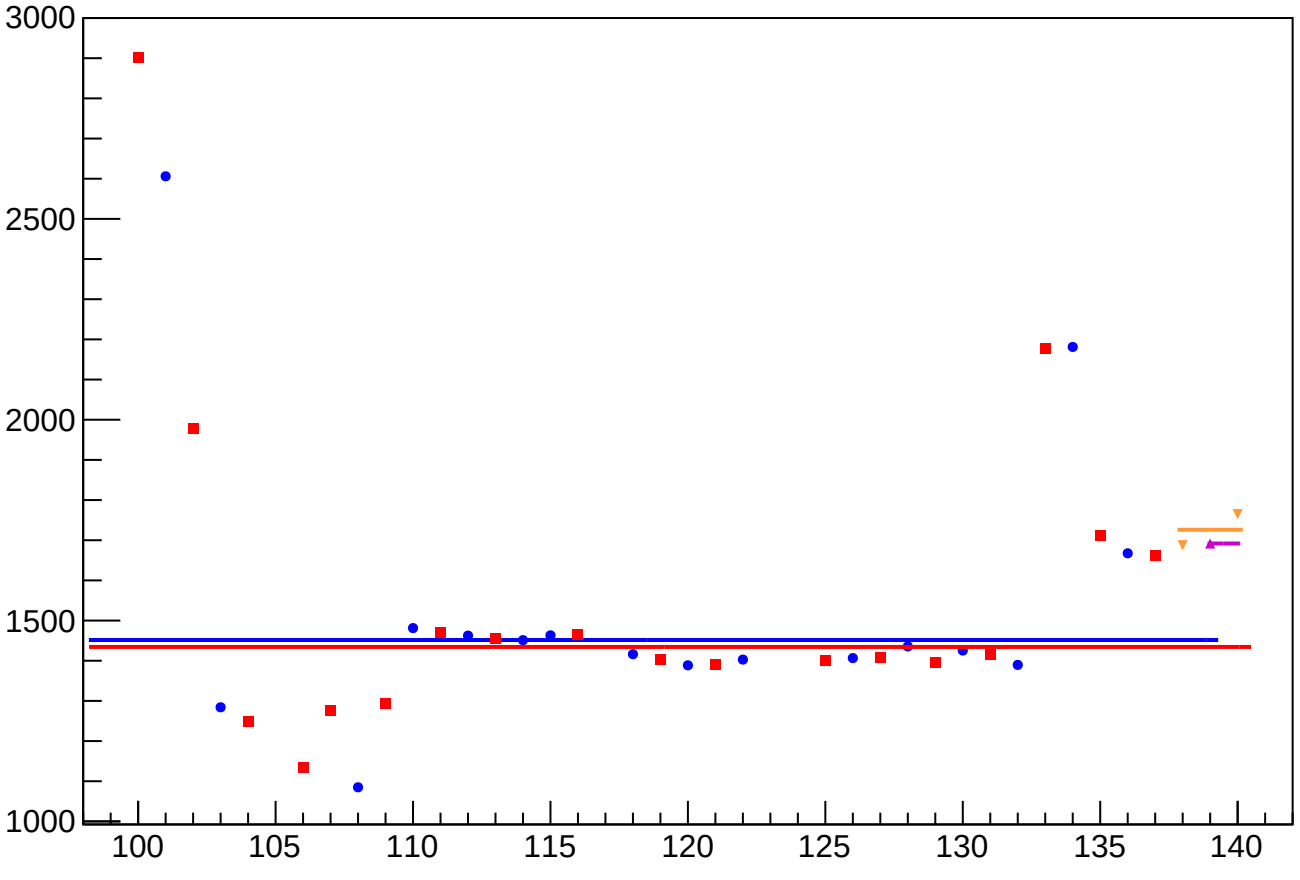
Left: 424.192+/-1091.061 χ^2/NDF: 6.6/2

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 684.913+/-526.648 χ^2/NDF:21.3/16

Out: -102.241+/-505.909 χ^2/NDF:28.1/19

All: 275.533+/-364.843 χ^2/NDF: 50.5/36



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1726.013+/-0.958 χ^2/NDF:1632.0/1

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1691.840+/-1.301 χ^2/NDF:0.0/0

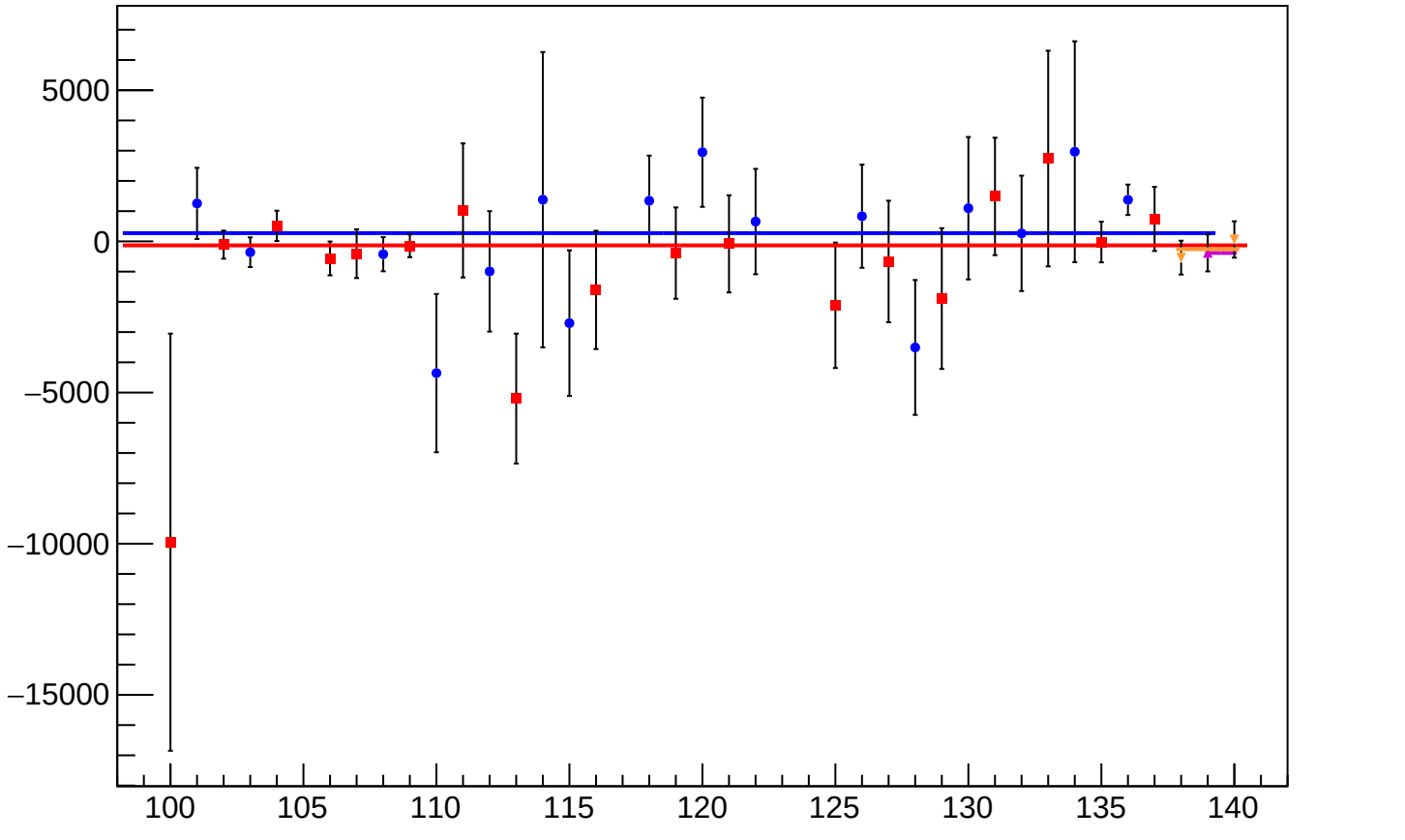
Left: 1714.000+/-0.771 χ^2/NDF: 2079.3/2

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1471.258+/-0.372 χ^2/NDF:519137.9/16

Out: 1474.989+/-0.358 χ^2/NDF:409995.2/19

All: 1473.198+/-0.258 χ^2/NDF: 929185.3/36



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -259.145+/-409.790 χ^2/NDF:0.5/1

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -382.201+/-611.011 χ^2/NDF:0.0/0

Left: -297.323+/-340.335 χ^2/NDF: 0.6/2

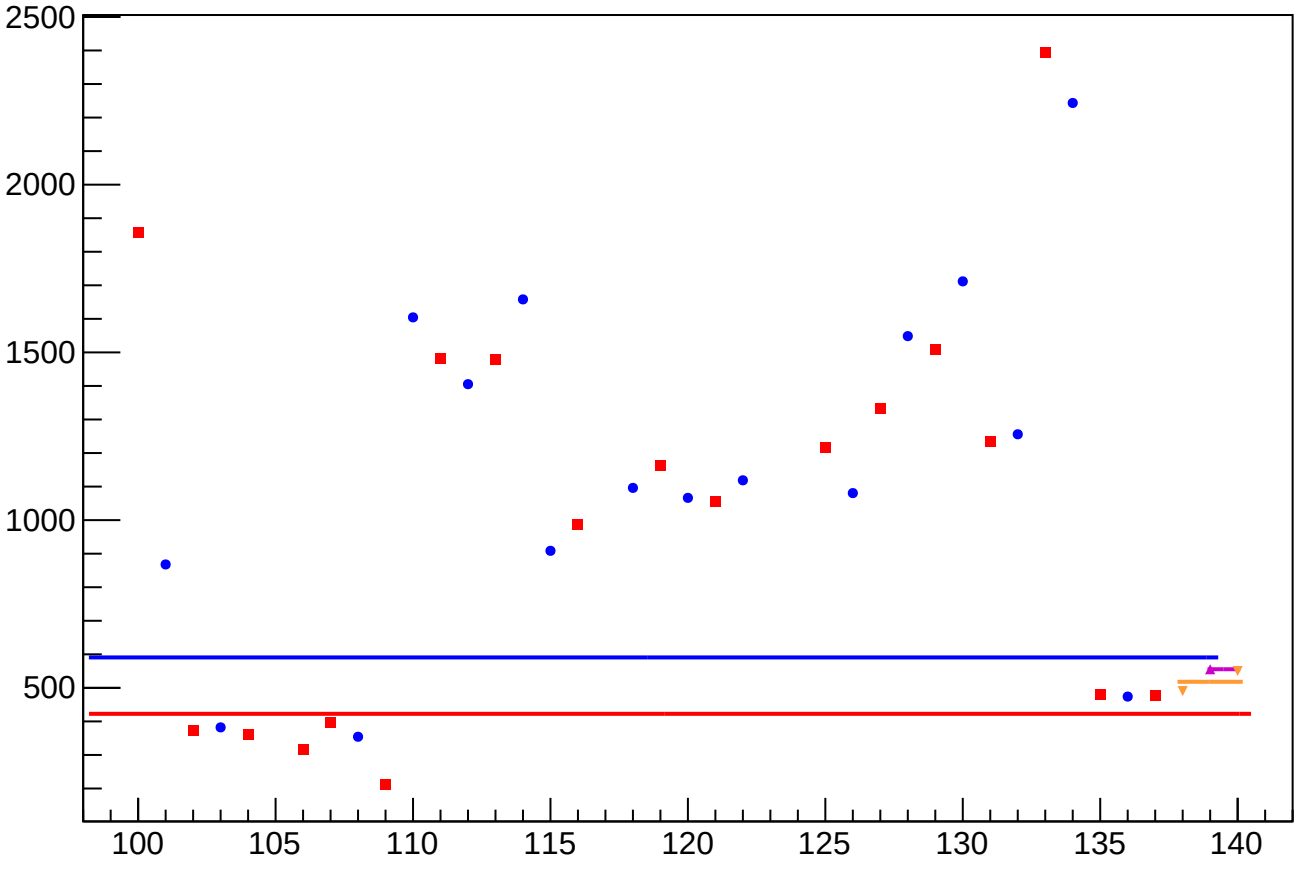
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: 172.571+/-239.659 χ^2/NDF:21.2/16

Out: -156.124+/-176.767 χ^2/NDF:15.0/19

All: -40.312+/-142.257 χ^2/NDF: 37.4/36

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 518.101+/-0.290 χ^2/NDF:10620.7/1

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 555.531+/-0.432 χ^2/NDF:0.0/0

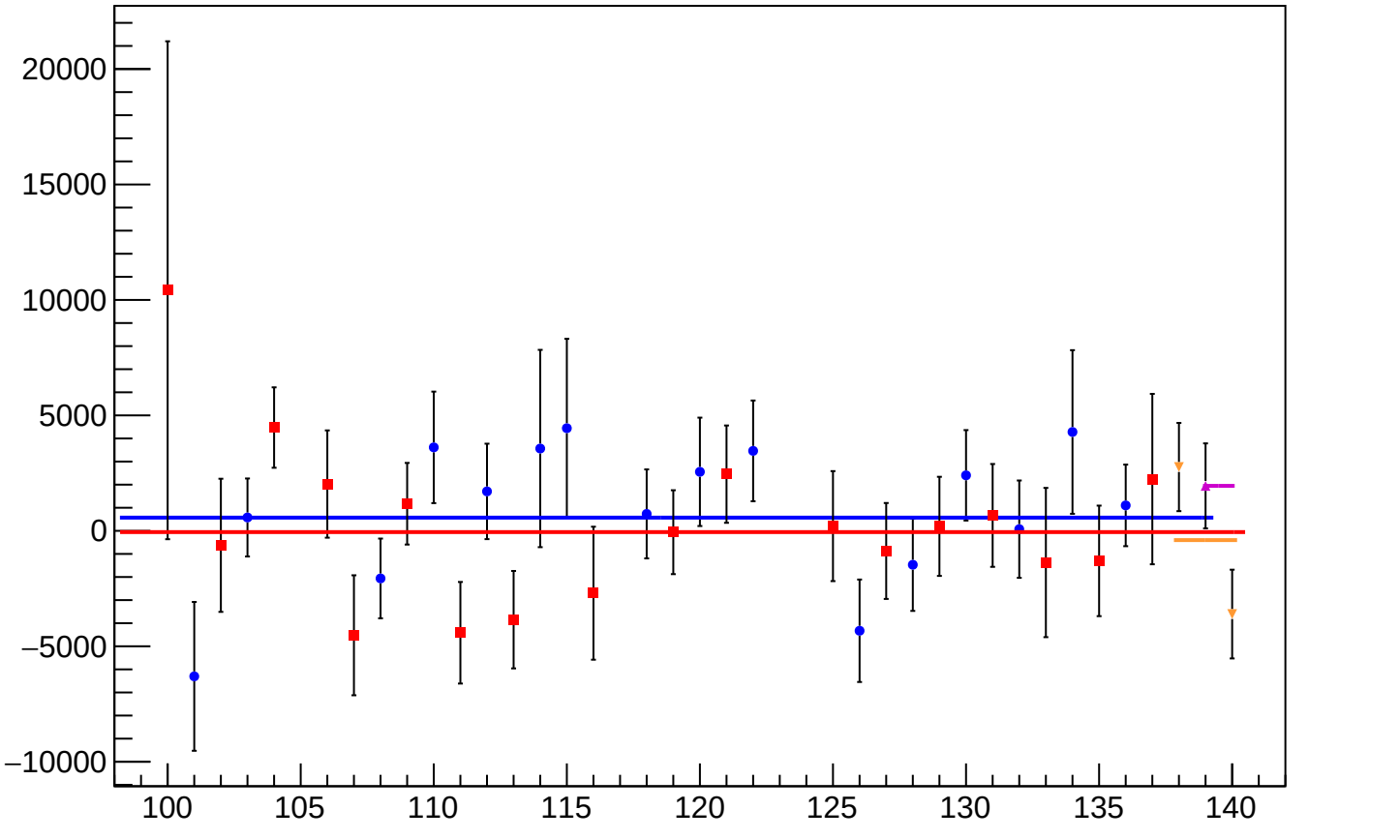
Left: 529.714+/-0.241 χ^2/NDF: 15797.4/2

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 585.331+/-0.169 χ^2/NDF:3891124.4/16

Out: 440.393+/-0.125 χ^2/NDF:4956994.1/19

All: 491.461+/-0.101 χ^2/NDF: 9321869.7/36



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -401.538+/-1354.902 χ^2/NDF:5.5/1

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 1947.292+/-1840.184 χ^2/NDF:0.0/0

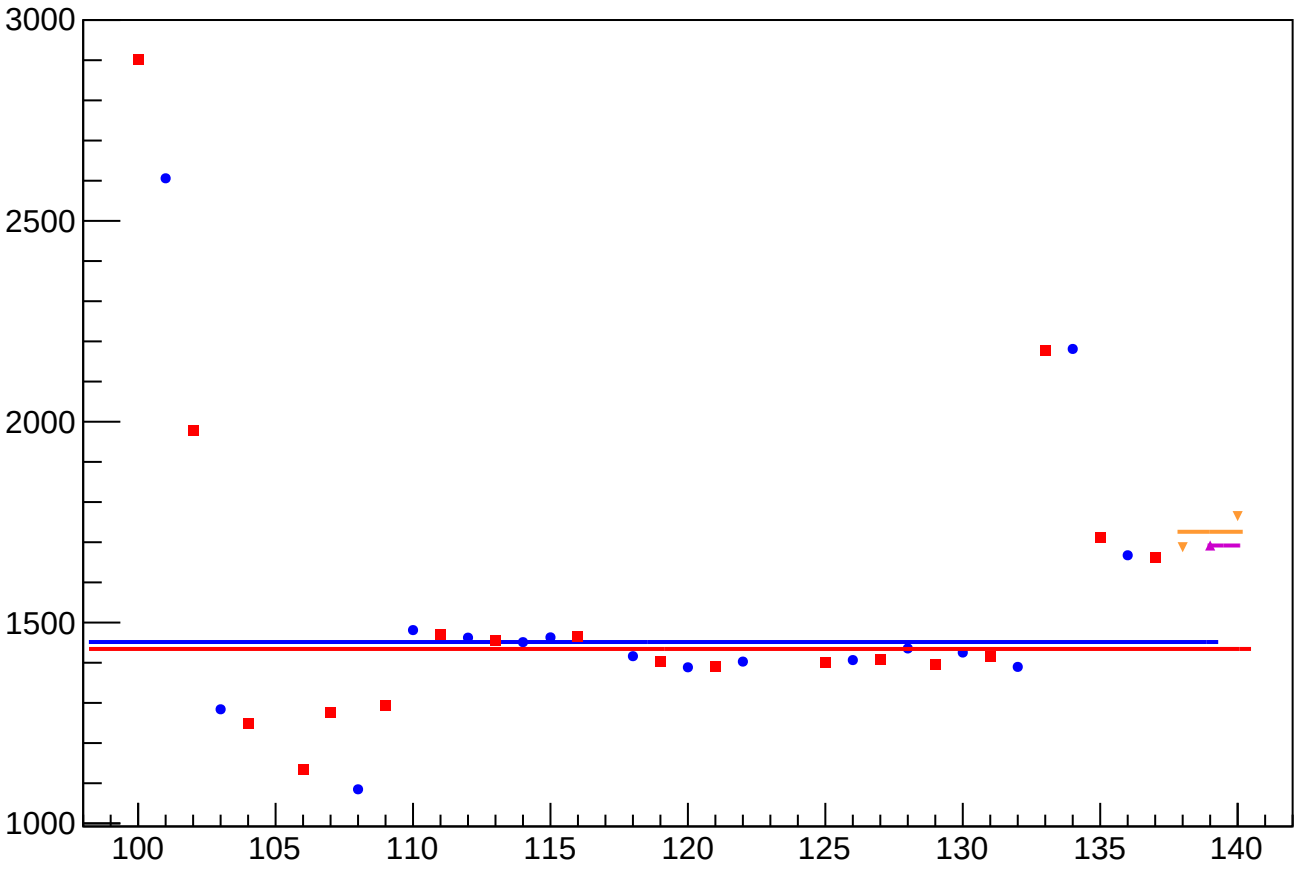
Left: 424.172+/-1091.062 χ^2/NDF: 6.6/2

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 684.911+/-526.648 χ^2/NDF:21.3/16

Out: -102.241+/-505.909 χ^2/NDF:28.1/19

All: 275.532+/-364.843 χ^2/NDF: 50.5/36



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1726.014+/-0.958 χ^2/NDF:1632.0/1

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1691.840+/-1.301 χ^2/NDF:0.0/0

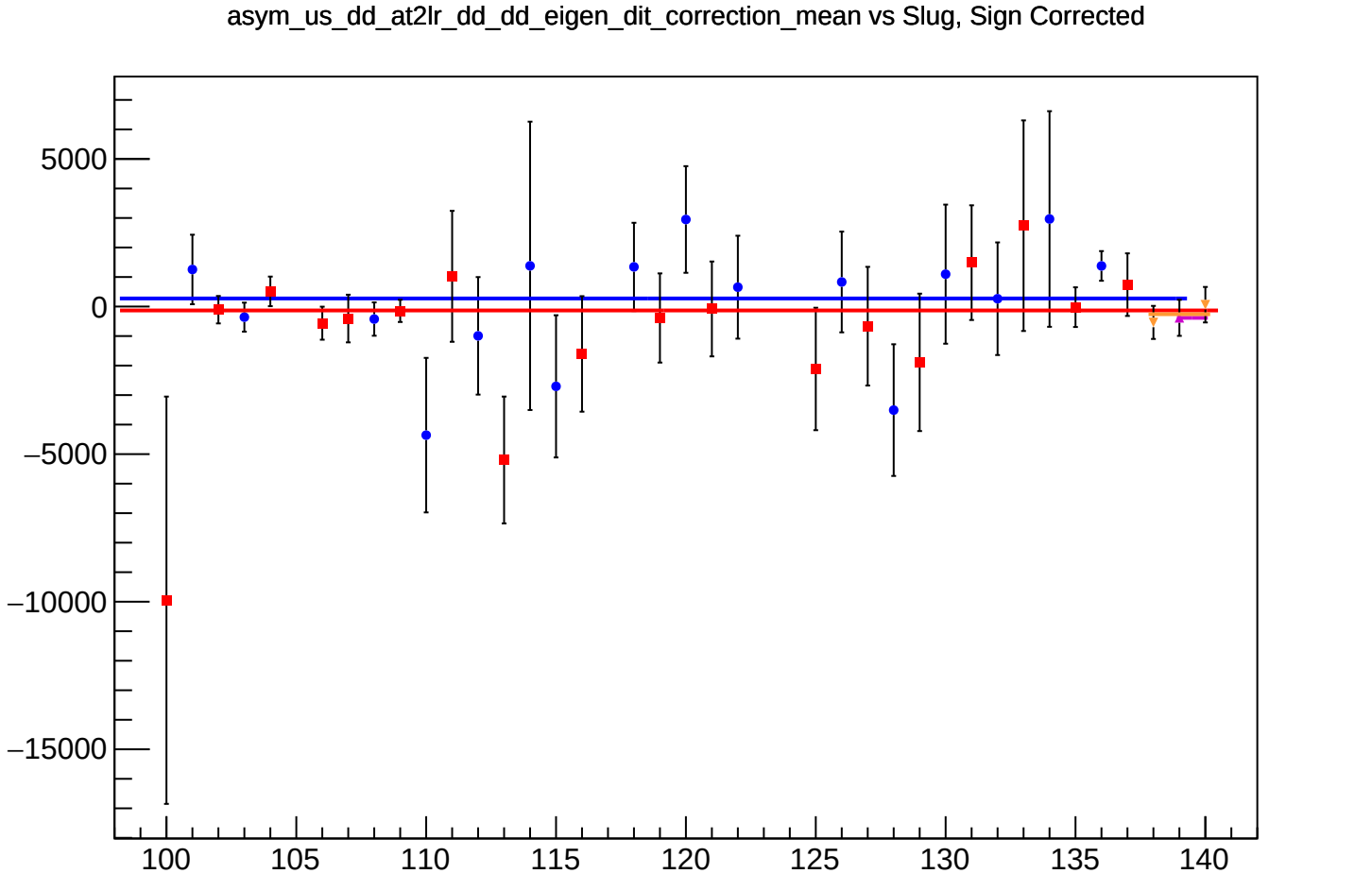
Left: 1714.000+/-0.771 χ^2/NDF: 2079.3/2

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1471.258+/-0.372 χ^2/NDF:519137.5/16

Out: 1474.989+/-0.358 χ^2/NDF:409995.4/19

All: 1473.198+/-0.258 χ^2/NDF: 929185.1/36



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -259.151+/-409.803 χ^2/NDF:0.5/1

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -382.245+/-611.035 χ^2/NDF:0.0/0

Left: -297.341+/-340.346 χ^2/NDF: 0.6/2

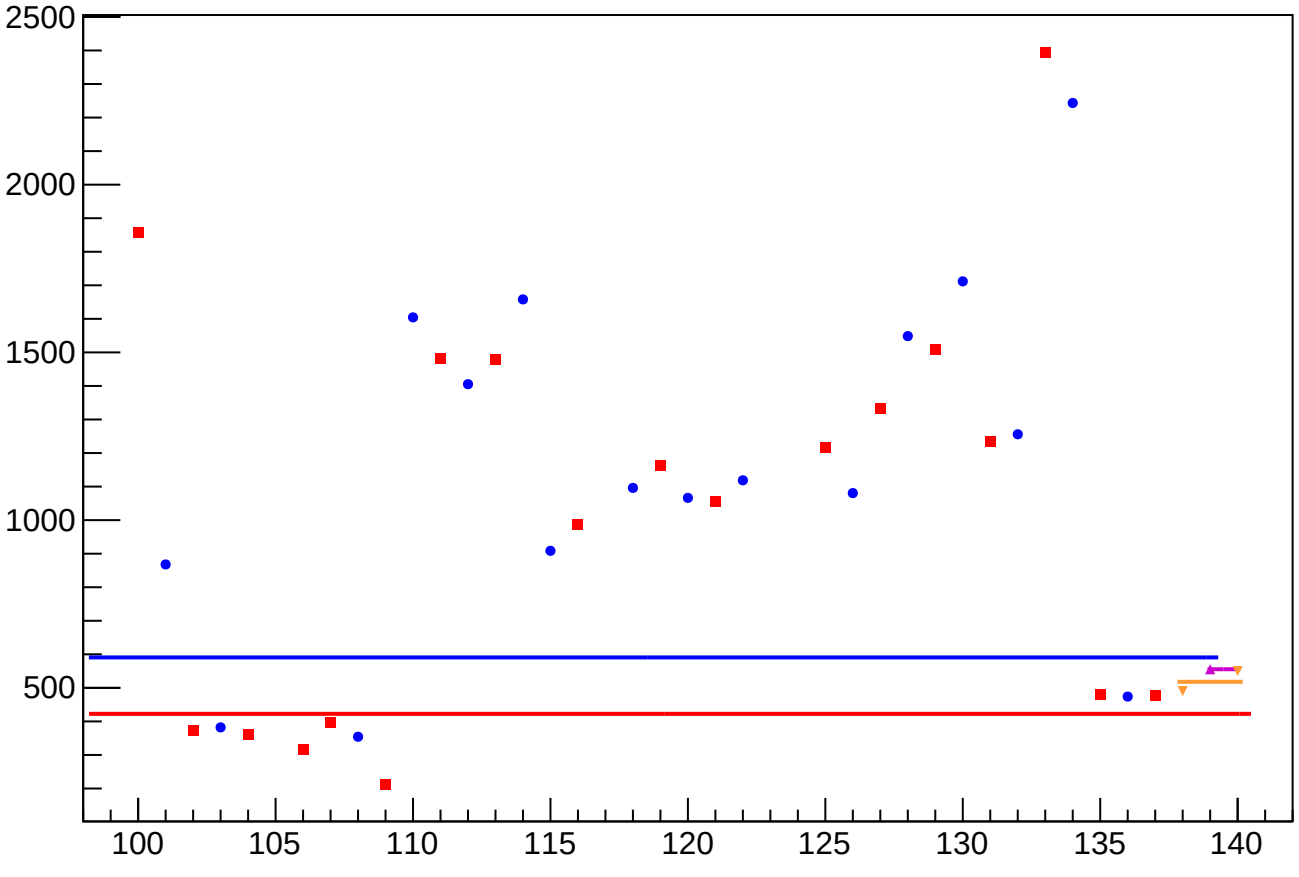
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: 172.563+/-239.660 χ^2/NDF:21.2/16

Out: -156.120+/-176.769 χ^2/NDF:15.0/19

All: -40.310+/-142.259 χ^2/NDF: 37.4/36

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 518.118+/-0.290 χ^2/NDF:10615.6/1

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 555.553+/-0.432 χ^2/NDF:0.0/0

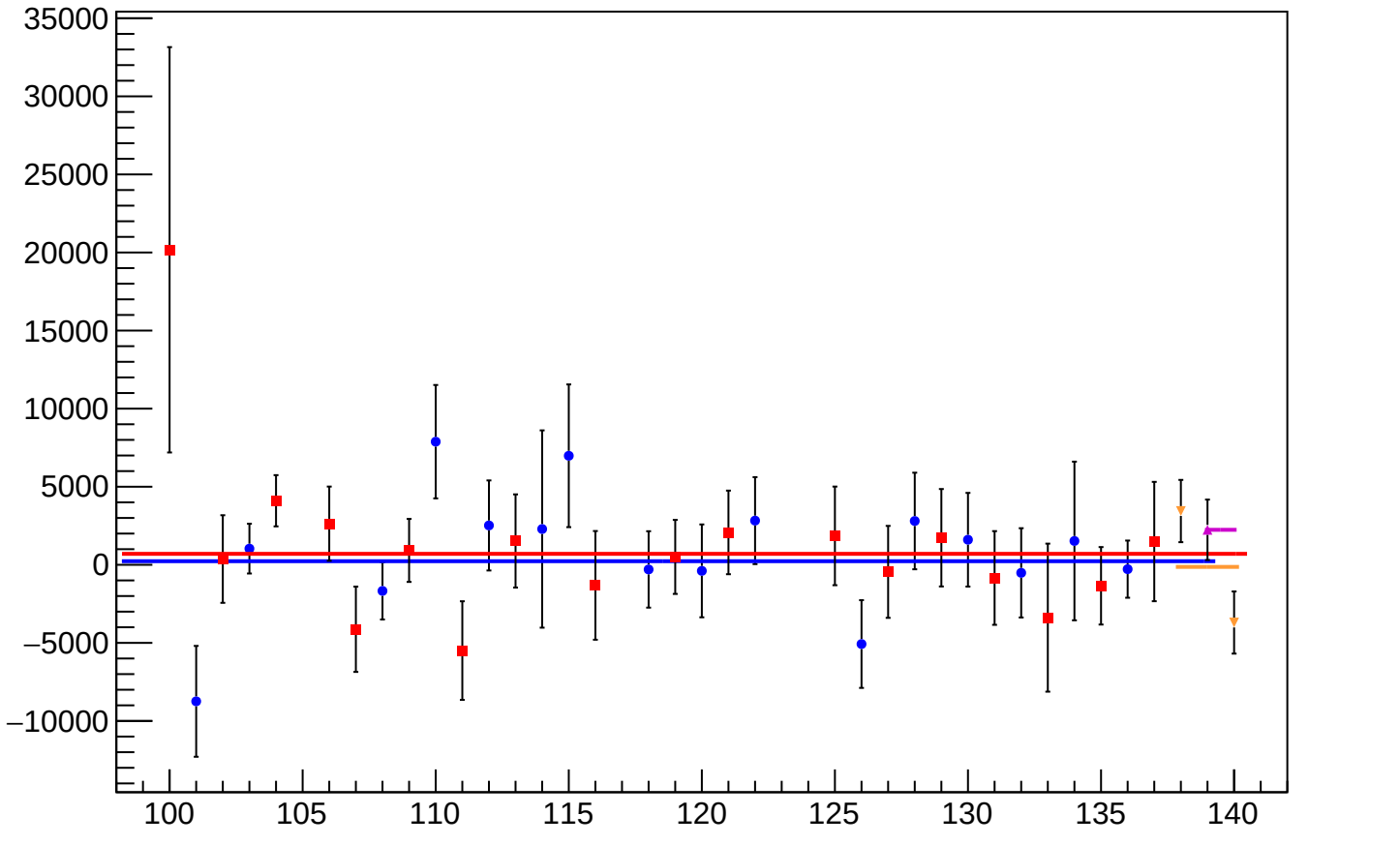
Left: 529.732+/-0.241 χ^2/NDF: 15793.7/2

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 585.333+/-0.169 χ^2/NDF:3891144.7/16

Out: 440.400+/-0.125 χ^2/NDF:4956922.8/19

All: 491.467+/-0.101 χ^2/NDF: 9321781.6/36



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -134.223+/-1408.725 χ^2/NDF:6.4/1

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 2240.587+/-1935.357 χ^2/NDF:0.0/0

Left: 688.243+/-1138.953 χ^2/NDF: 7.4/2

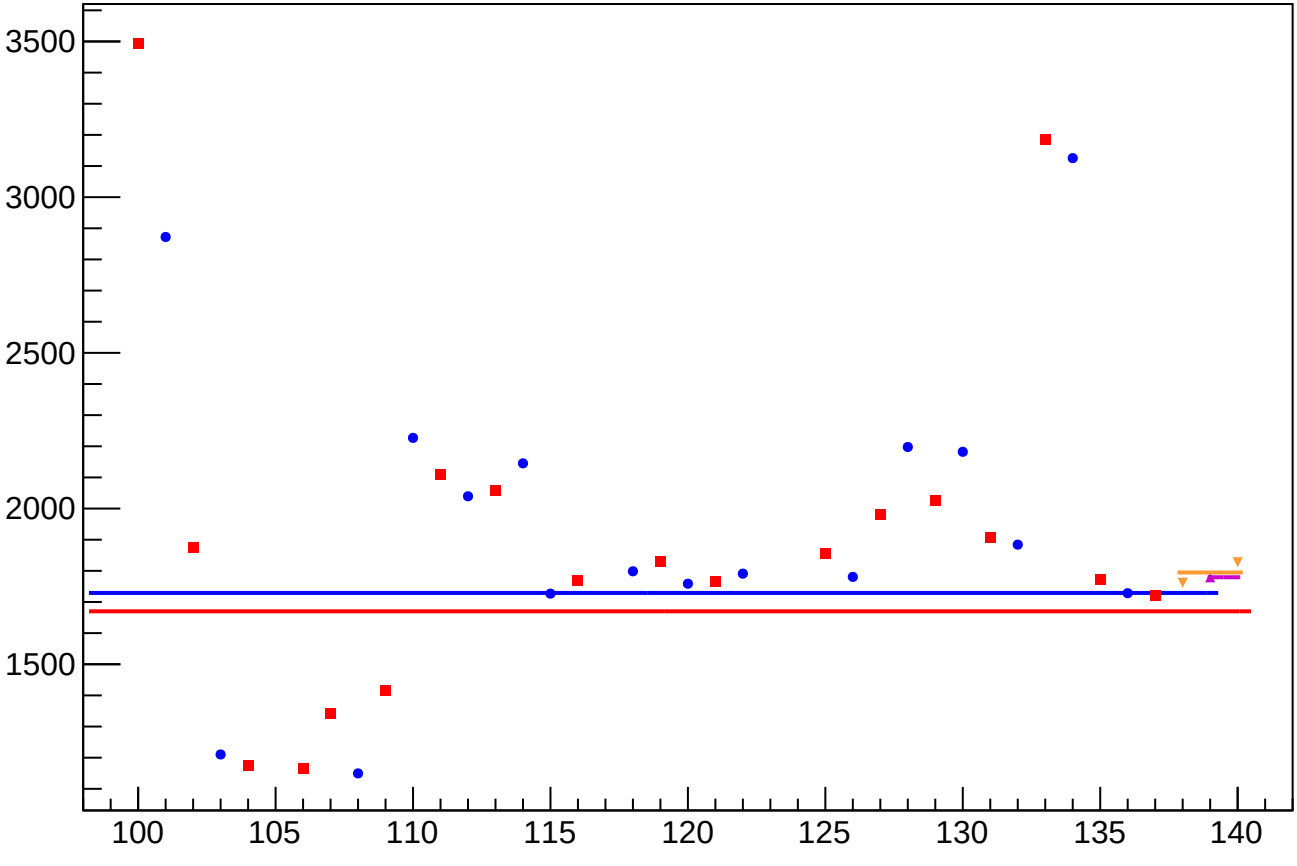
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 443.702+/-629.959 χ^2/NDF:21.7/16

Out: 556.066+/-588.943 χ^2/NDF:23.7/19

All: 503.661+/-430.215 χ^2/NDF: 45.5/36

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1794.709+/-0.996 χ^2/NDF:1097.6/1

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1779.409+/-1.369 χ^2/NDF:0.0/0

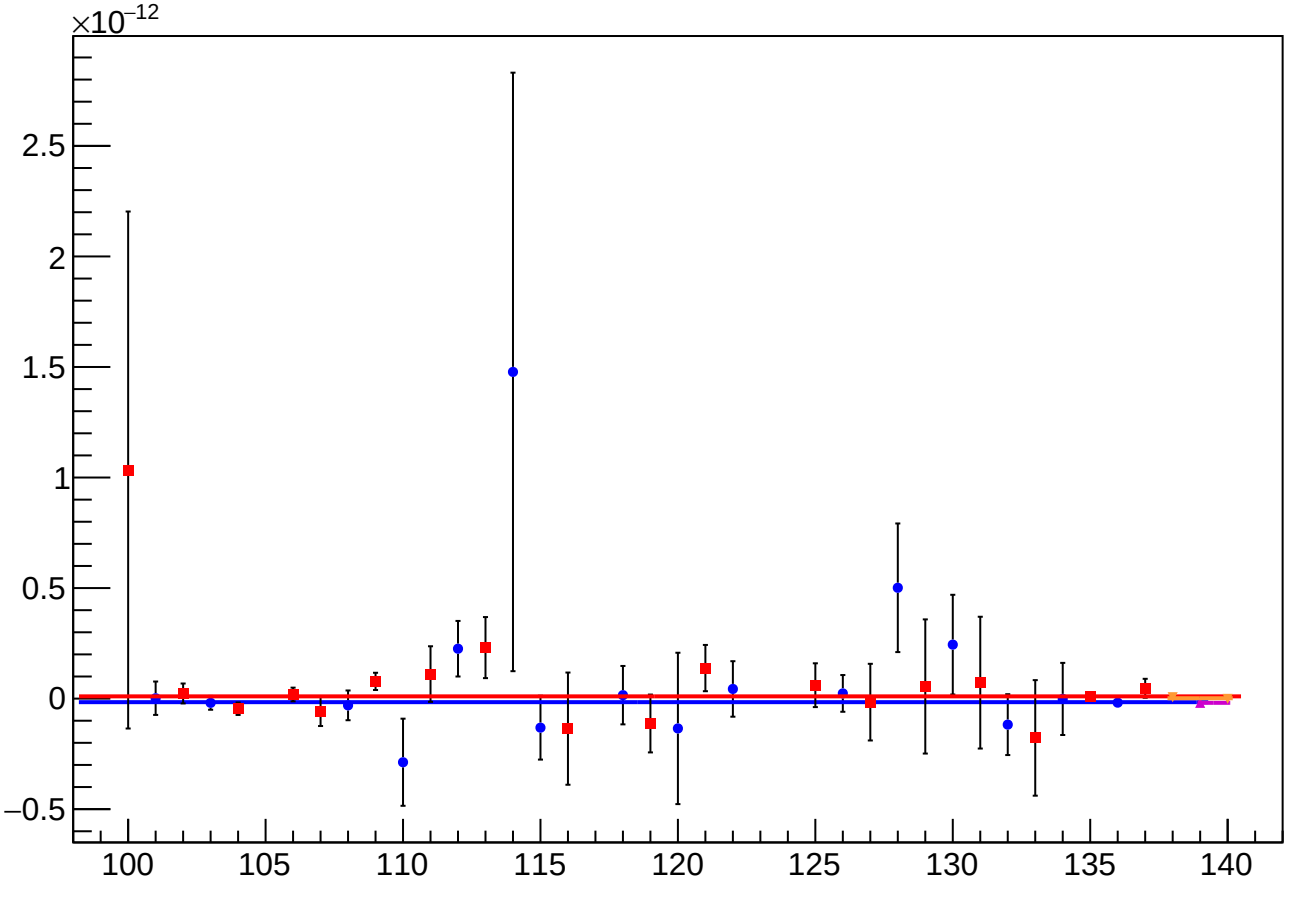
Left: 1789.410+/-0.805 χ^2/NDF: 1179.3/2

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1734.385+/-0.445 χ^2/NDF:943289.8/16

Out: 1691.843+/-0.416 χ^2/NDF:758472.3/19

All: 1711.684+/-0.304 χ^2/NDF: 1706629.2/36



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

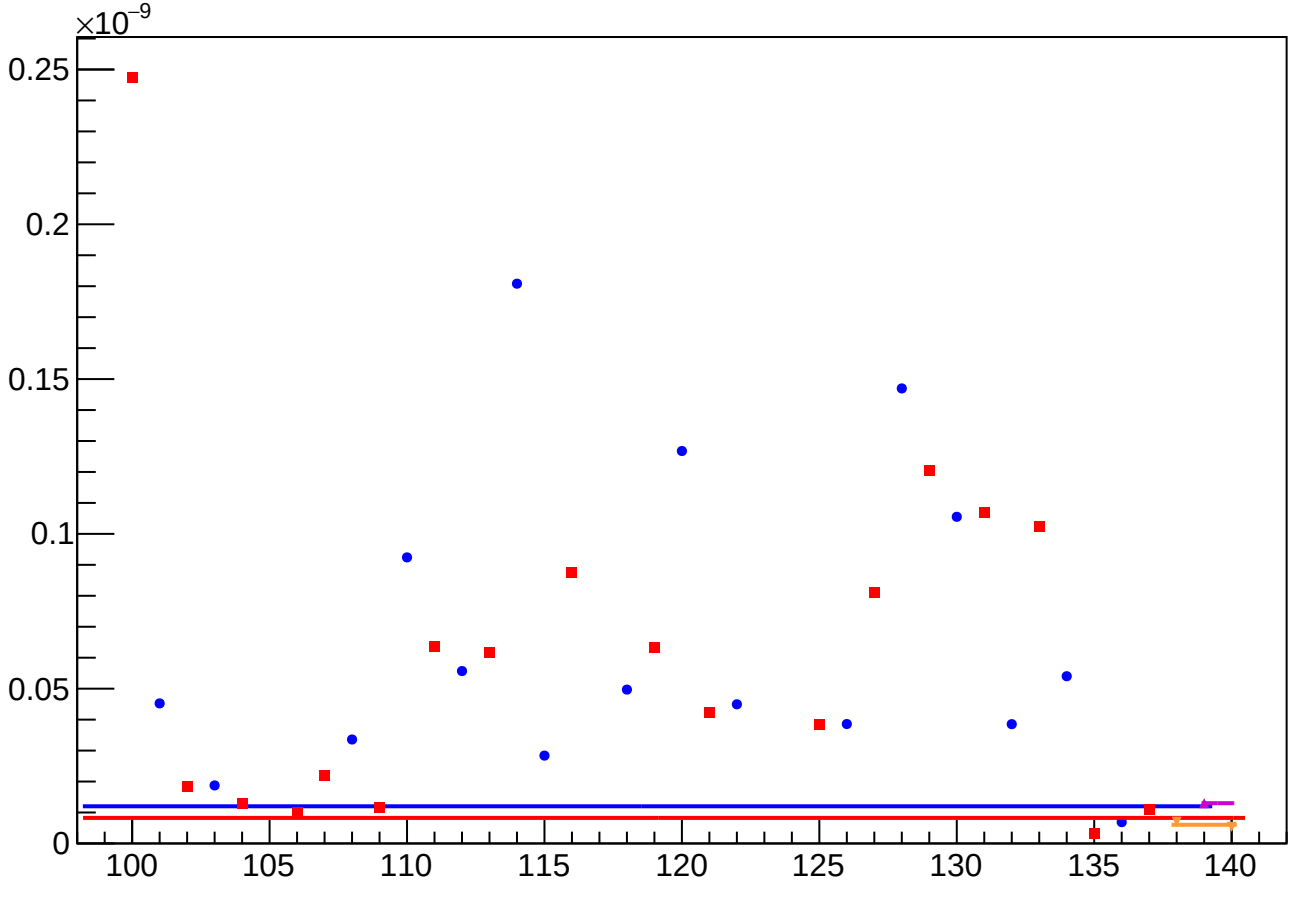
Left: -0.000+/-0.000 χ^2/NDF: 1.4/2

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:13.3/16

Out: 0.000+/-0.000 χ^2/NDF:17.2/19

All: -0.000+/-0.000 χ^2/NDF: 35.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:21384.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 288715.6/2

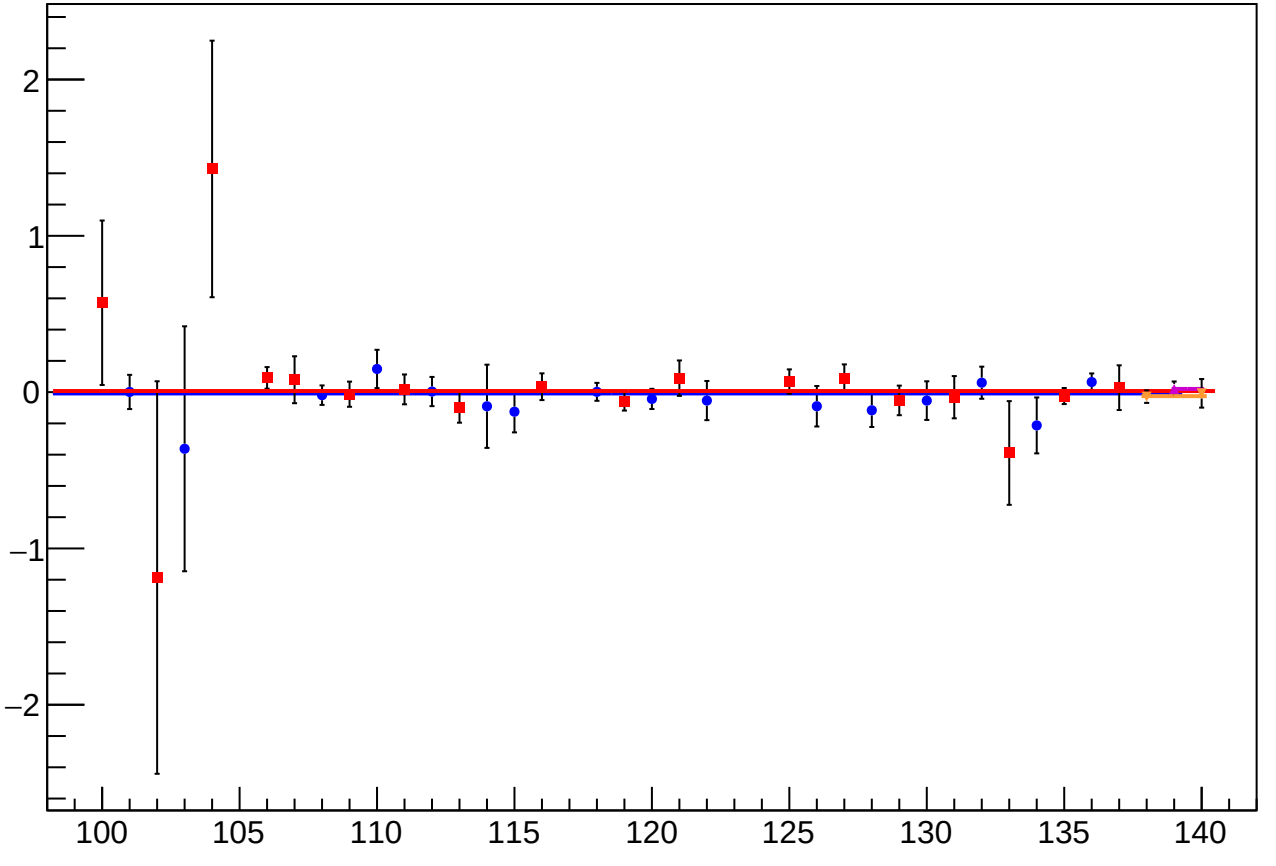
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:3430833.7/16

Out: 0.000+/-0.000 χ^2/NDF:3603810.6/19

All: 0.000+/-0.000 χ^2/NDF: 7524697.7/36

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.026+/-0.037 χ^2/NDF:0.0/1

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.021+/-0.048 χ^2/NDF:0.0/0

Left: -0.008+/-0.029 χ^2/NDF: 0.6/2

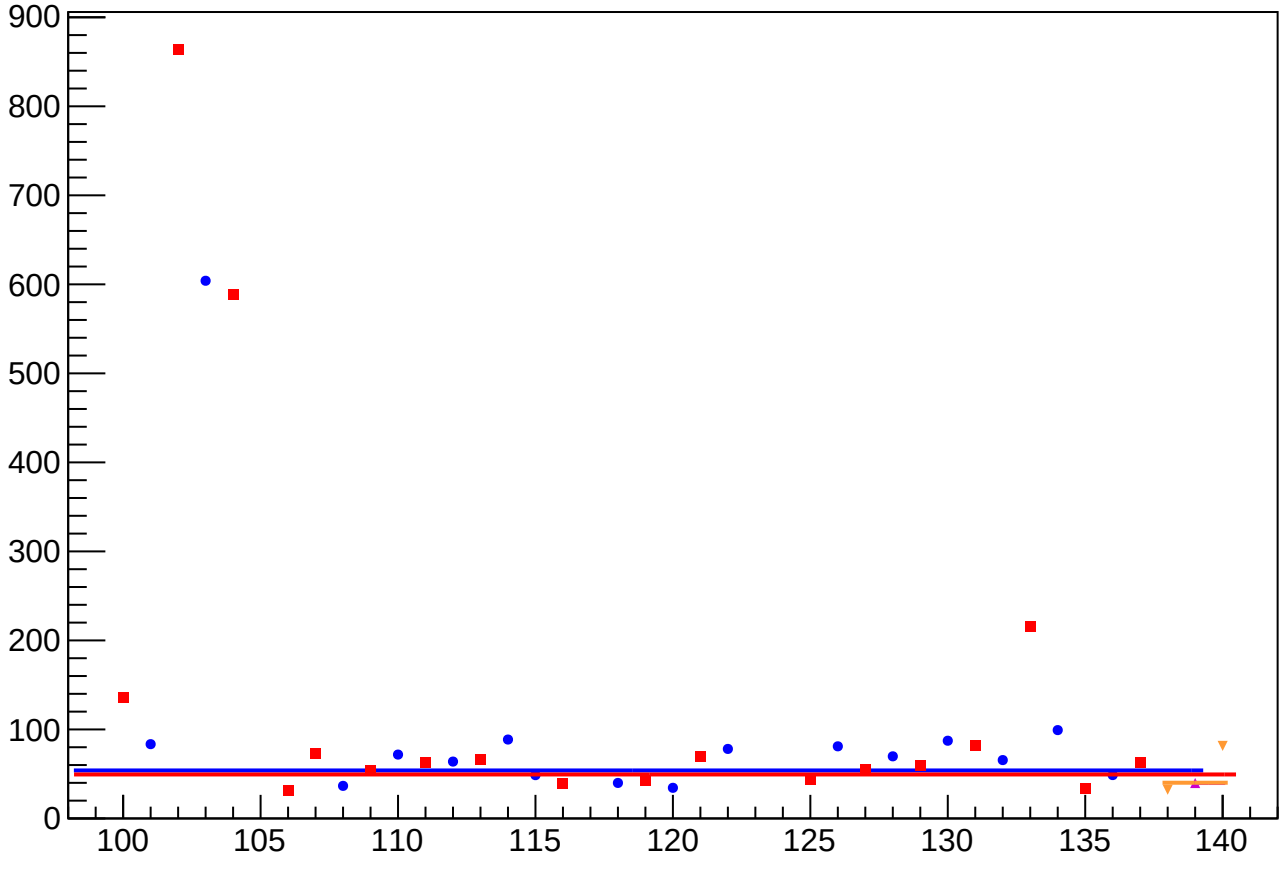
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.021 χ^2/NDF:8.6/16

Out: -0.002+/-0.019 χ^2/NDF:14.3/19

All: -0.002+/-0.014 χ^2/NDF: 22.9/36

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 40.135+/-0.026 χ^2/NDF:486477.6/1

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 39.809+/-0.034 χ^2/NDF:0.0/0

Left: 40.014+/-0.021 χ^2/NDF: 486536.7/2

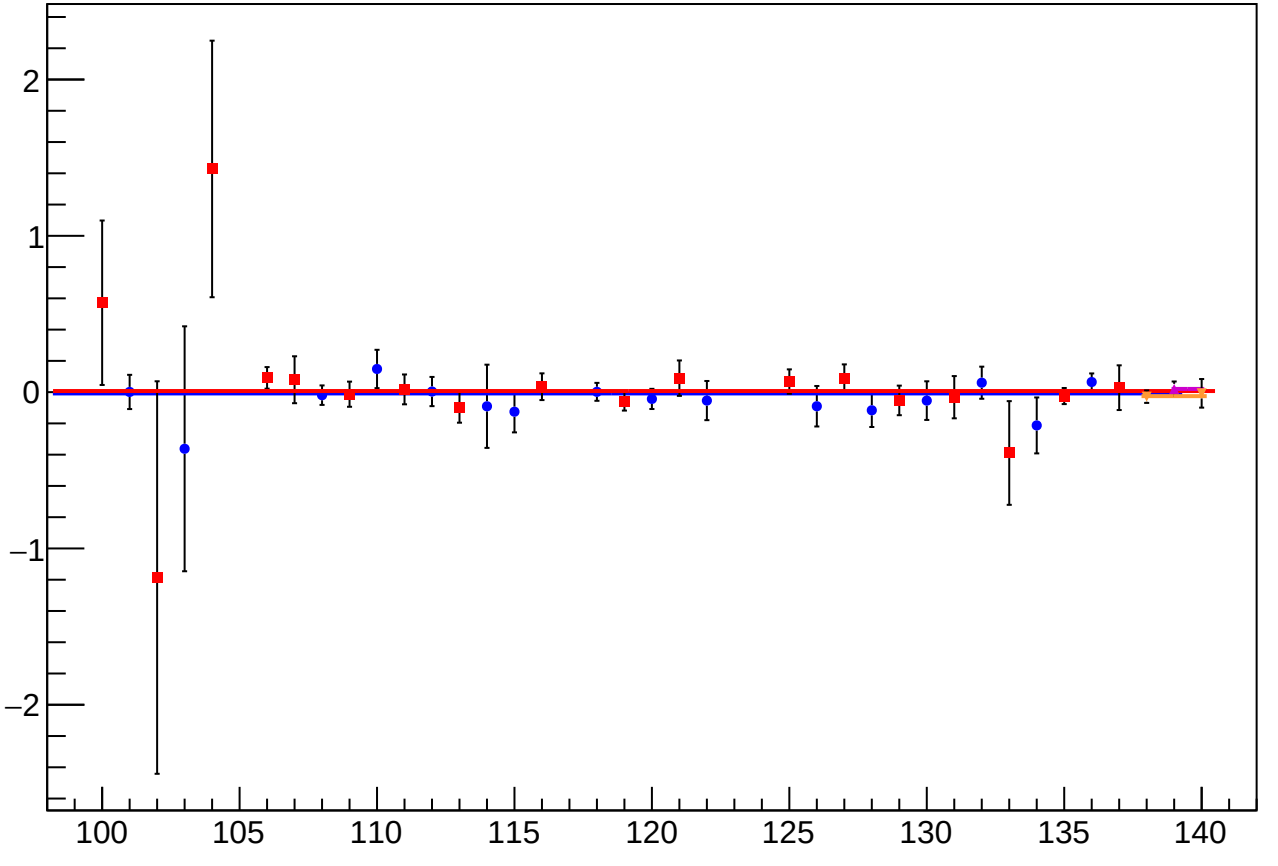
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 51.235+/-0.015 χ^2/NDF:2356635.9/16

Out: 46.918+/-0.013 χ^2/NDF:3598242.8/19

All: 48.883+/-0.010 χ^2/NDF: 6001875.1/36

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.026+/-0.037 χ^2/NDF:0.0/1

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.021+/-0.048 χ^2/NDF:0.0/0

Left: -0.008+/-0.029 χ^2/NDF: 0.6/2

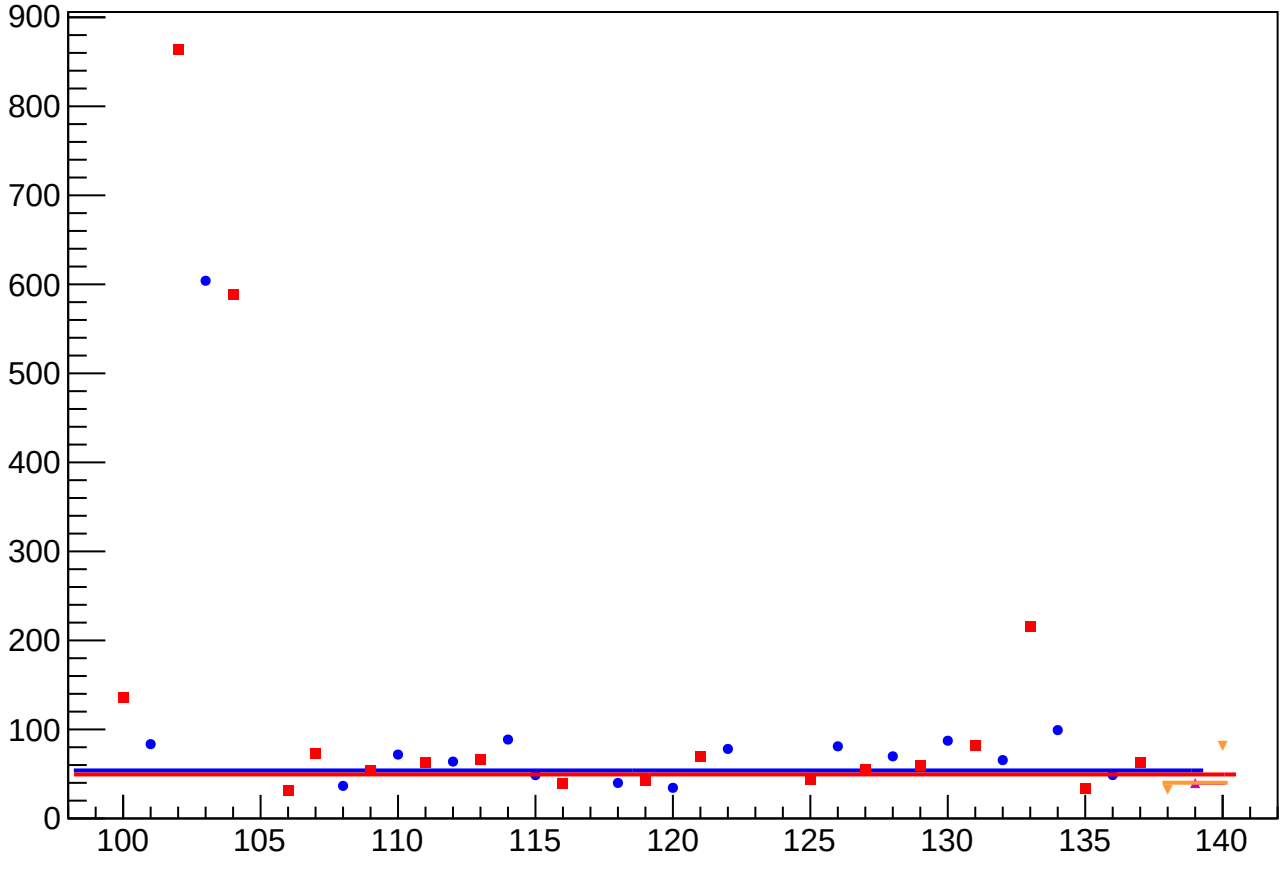
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.021 χ^2/NDF:8.6/16

Out: -0.002+/-0.019 χ^2/NDF:14.3/19

All: -0.002+/-0.014 χ^2/NDF: 22.9/36

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 40.135+/-0.026 χ^2/NDF:486477.6/1

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 39.809+/-0.034 χ^2/NDF:0.0/0

Left: 40.014+/-0.021 χ^2/NDF: 486536.7/2

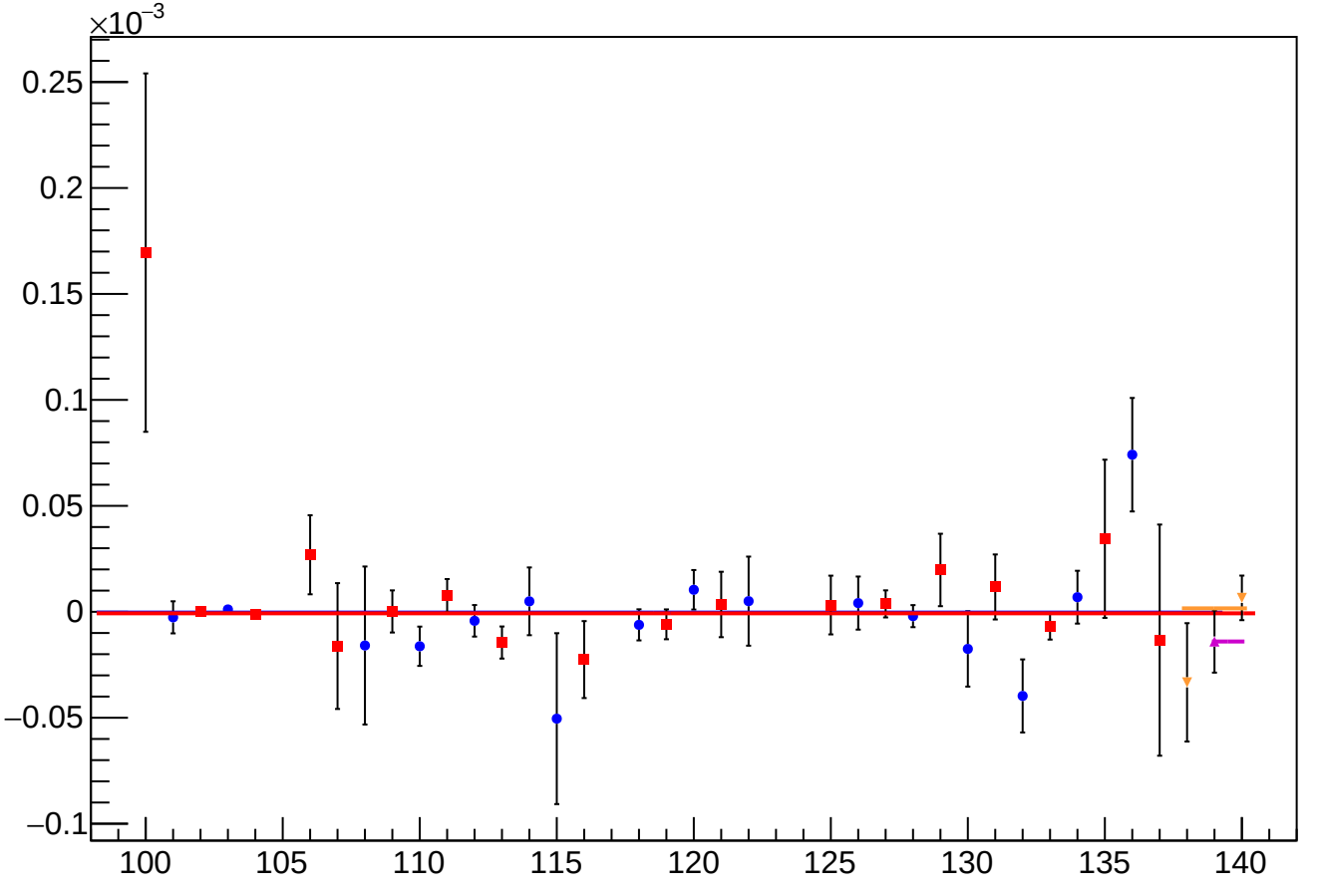
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 51.235+/-0.015 χ^2/NDF:2356635.9/16

Out: 46.918+/-0.013 χ^2/NDF:3598242.8/19

All: 48.883+/-0.010 χ^2/NDF: 6001875.1/36

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

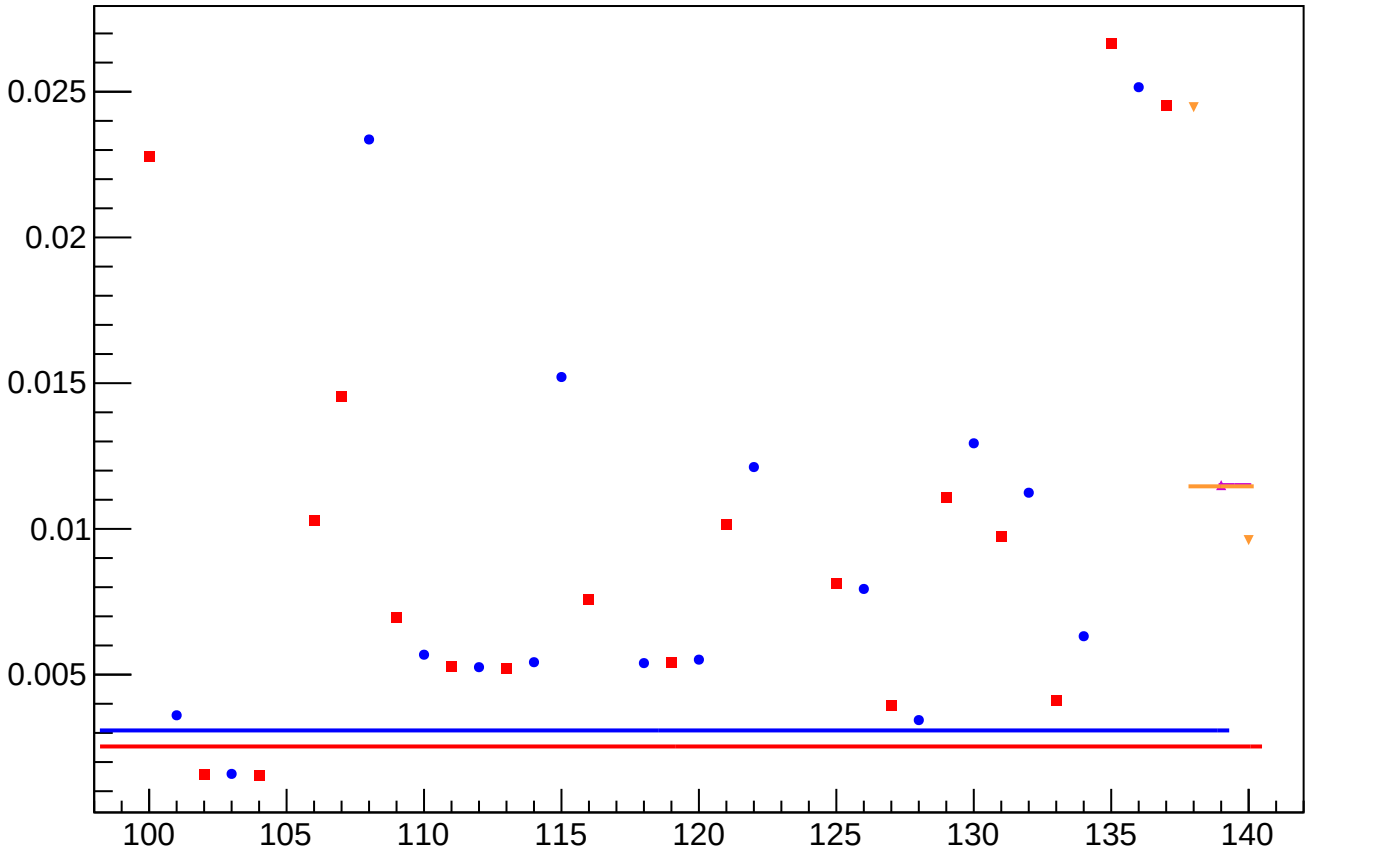
Left: -0.000+/-0.000 χ^2/NDF: 2.6/2

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: -0.000+/-0.000 χ^2/NDF:23.0/16

Out: -0.000+/-0.000 χ^2/NDF:19.7/19

All: -0.000+/-0.000 χ^2/NDF: 42.7/36



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.011+/-0.000 χ^2/NDF:495593.3/1

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.012+/-0.000 χ^2/NDF:0.0/0

Left: 0.011+/-0.000 χ^2/NDF: 495604.9/2

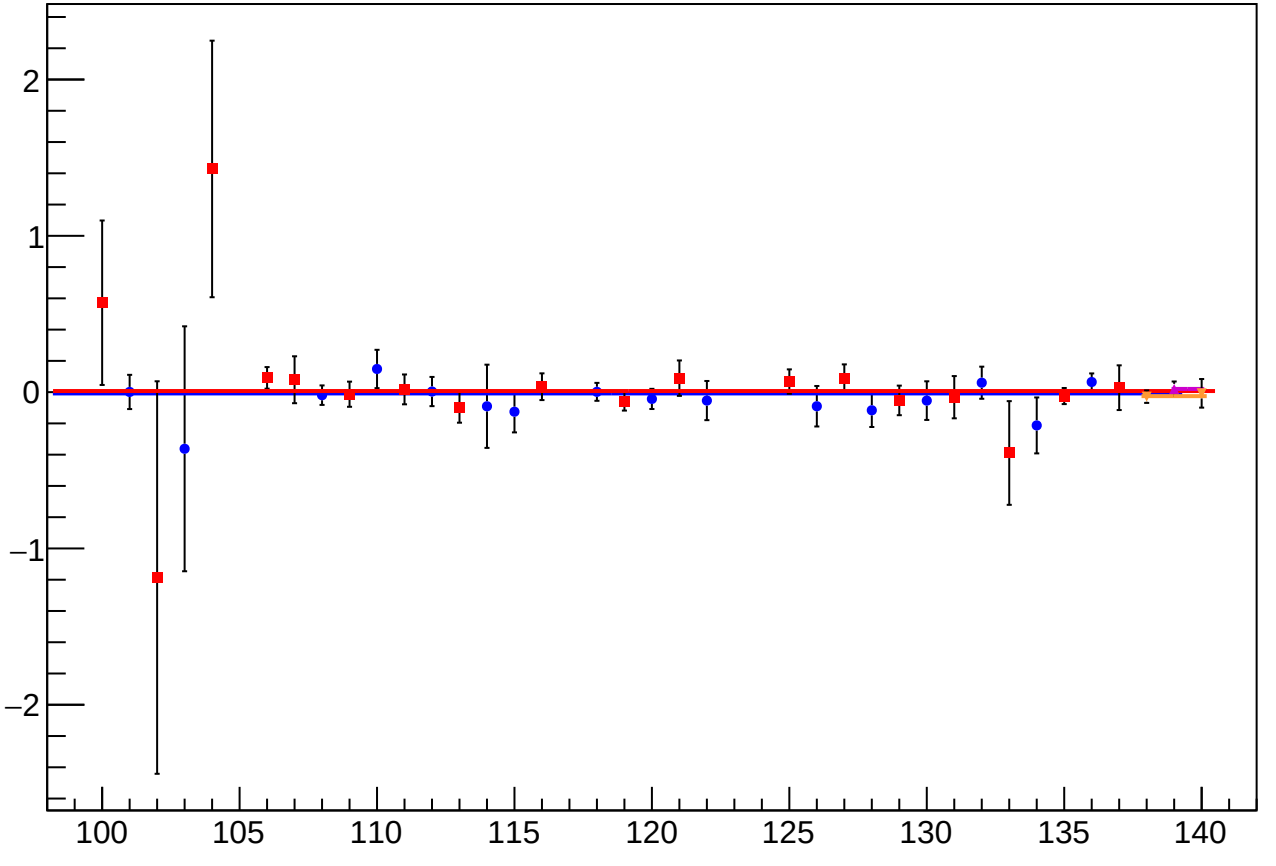
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.003+/-0.000 χ^2/NDF:6428627.9/16

Out: 0.003+/-0.000 χ^2/NDF:8350844.6/19

All: 0.003+/-0.000 χ^2/NDF: 14901852.1/36

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.026+/-0.037 χ^2/NDF:0.0/1

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.021+/-0.048 χ^2/NDF:0.0/0

Left: -0.008+/-0.029 χ^2/NDF: 0.6/2

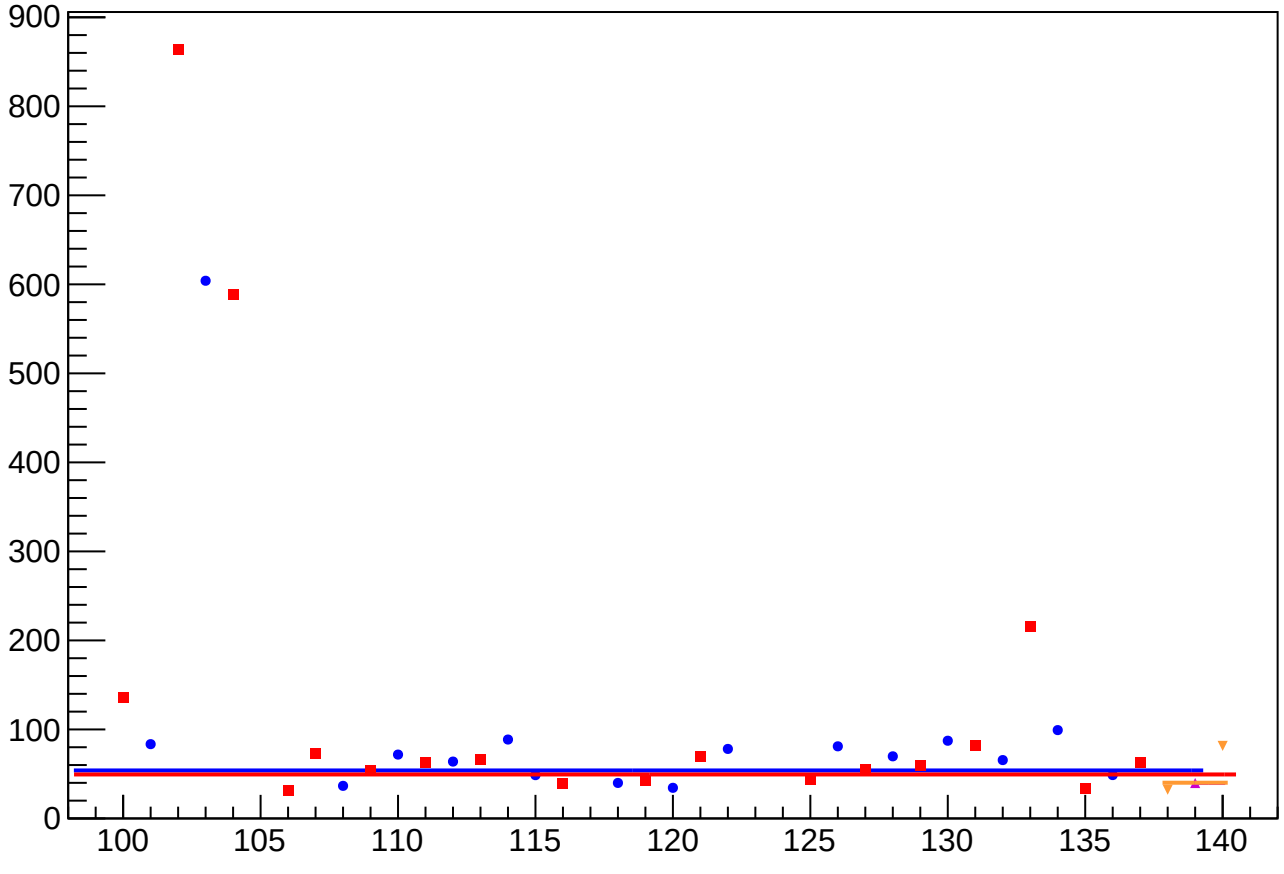
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.021 χ^2/NDF:8.6/16

Out: -0.002+/-0.019 χ^2/NDF:14.3/19

All: -0.002+/-0.014 χ^2/NDF: 22.9/36

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 40.144+/-0.026 χ^2/NDF:486366.8/1

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 39.811+/-0.034 χ^2/NDF:0.0/0

Left: 40.021+/-0.021 χ^2/NDF: 486428.5/2

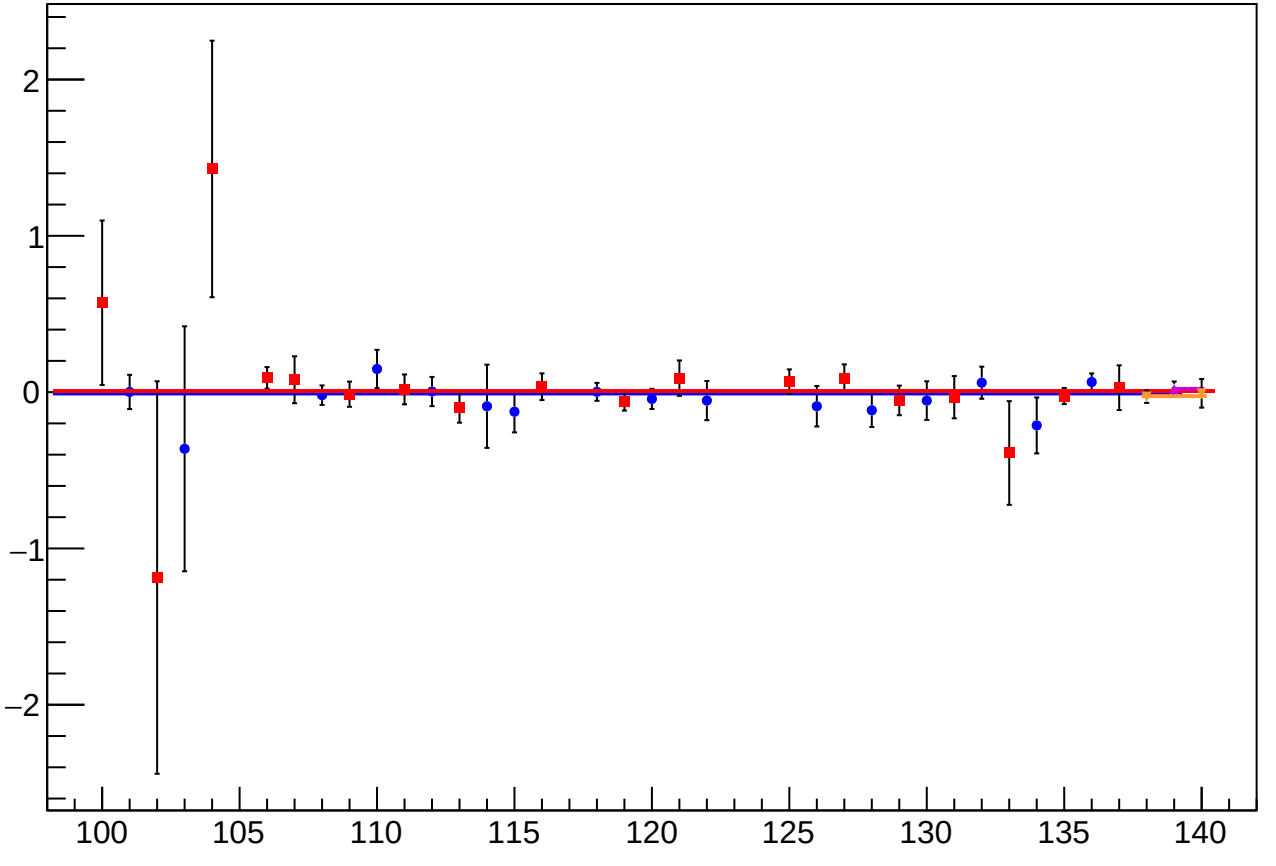
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 51.238+/-0.015 χ^2/NDF:2356241.4/16

Out: 46.923+/-0.013 χ^2/NDF:3597677.8/19

All: 48.886+/-0.010 χ^2/NDF: 6000880.7/36

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.026+/-0.037 χ^2/NDF:0.0/1

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.021+/-0.048 χ^2/NDF:0.0/0

Left: -0.008+/-0.029 χ^2/NDF: 0.6/2

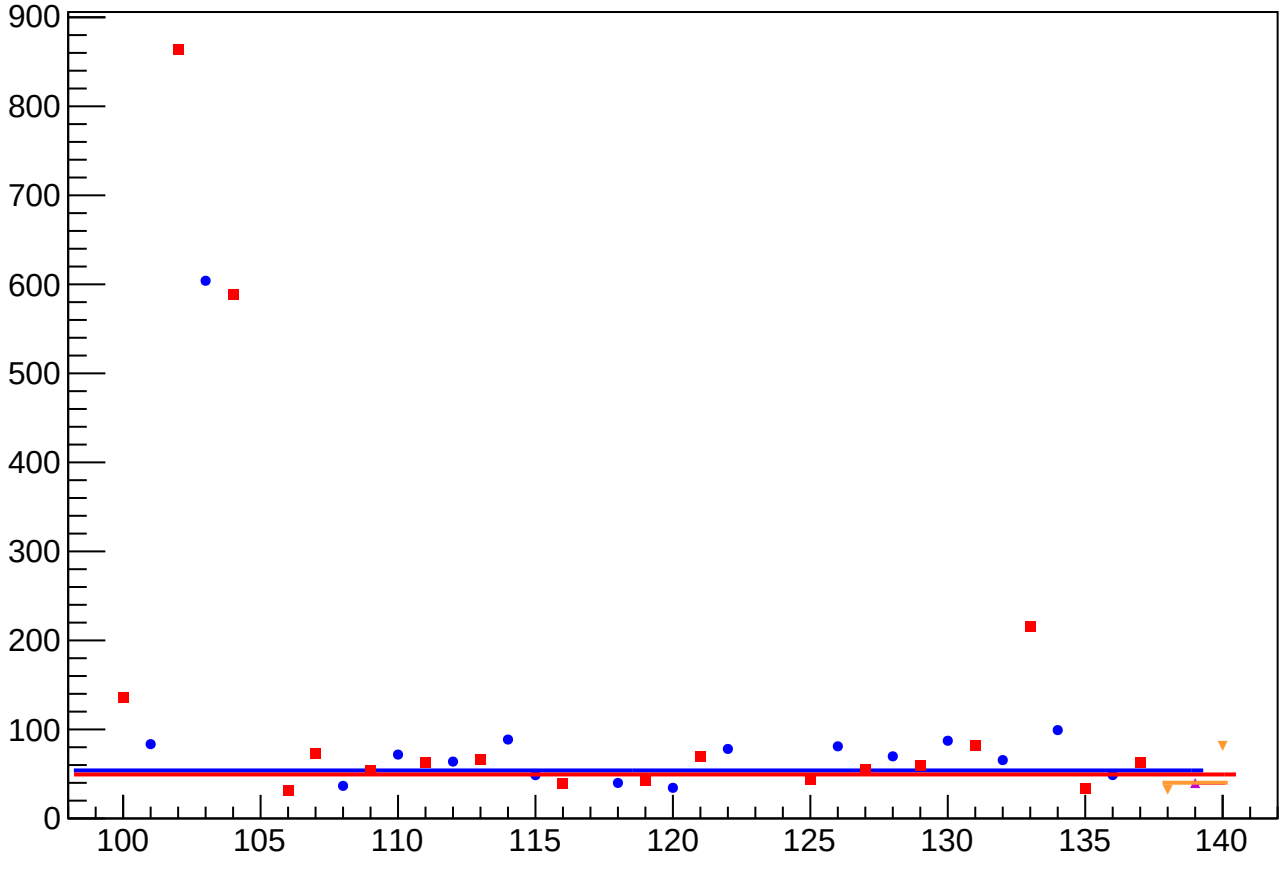
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.021 χ^2/NDF:8.6/16

Out: -0.002+/-0.019 χ^2/NDF:14.3/19

All: -0.002+/-0.014 χ^2/NDF: 22.9/36

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 40.144+/-0.026 χ^2/NDF:486366.8/1

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 39.811+/-0.034 χ^2/NDF:0.0/0

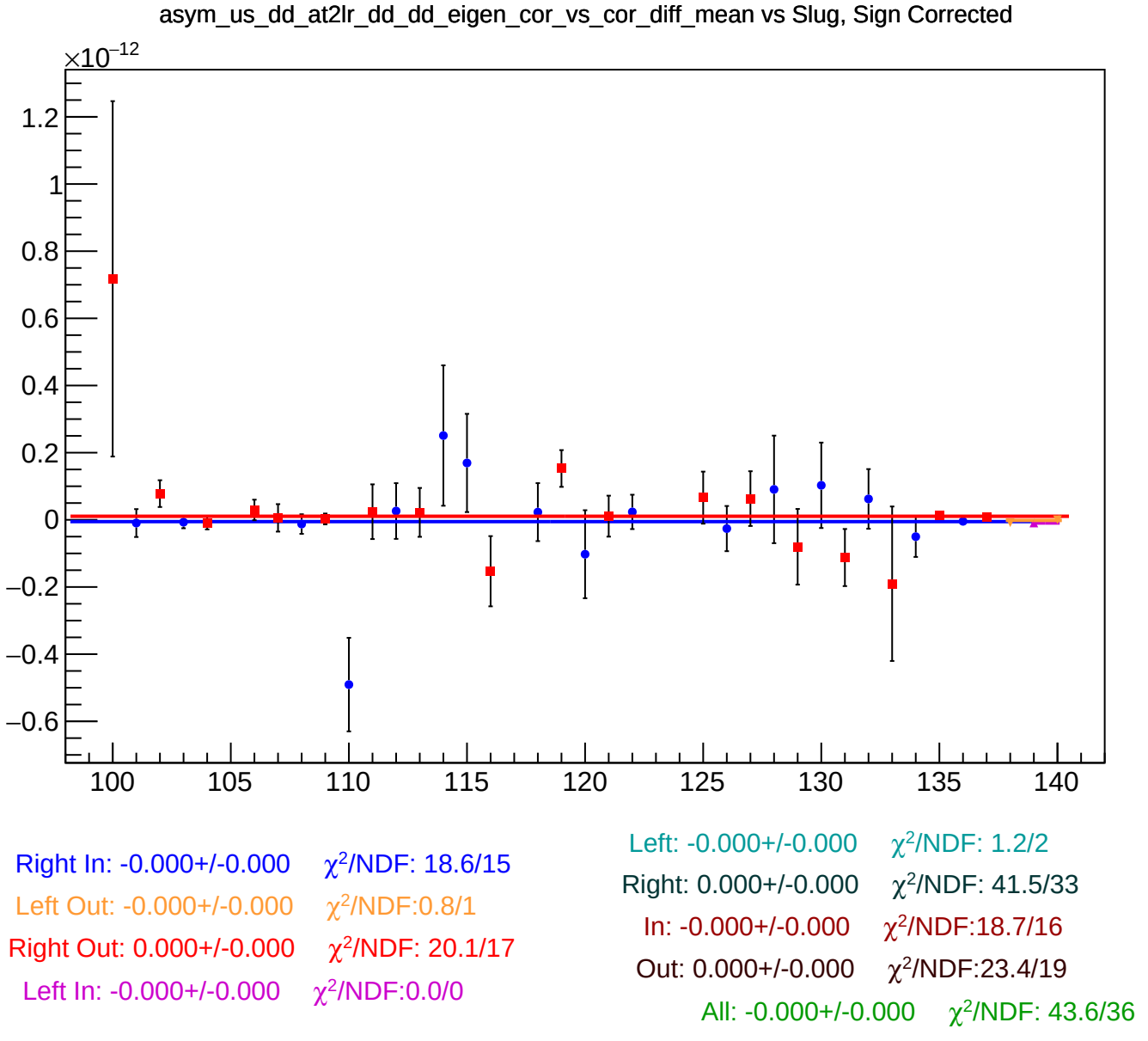
Left: 40.021+/-0.021 χ^2/NDF: 486428.5/2

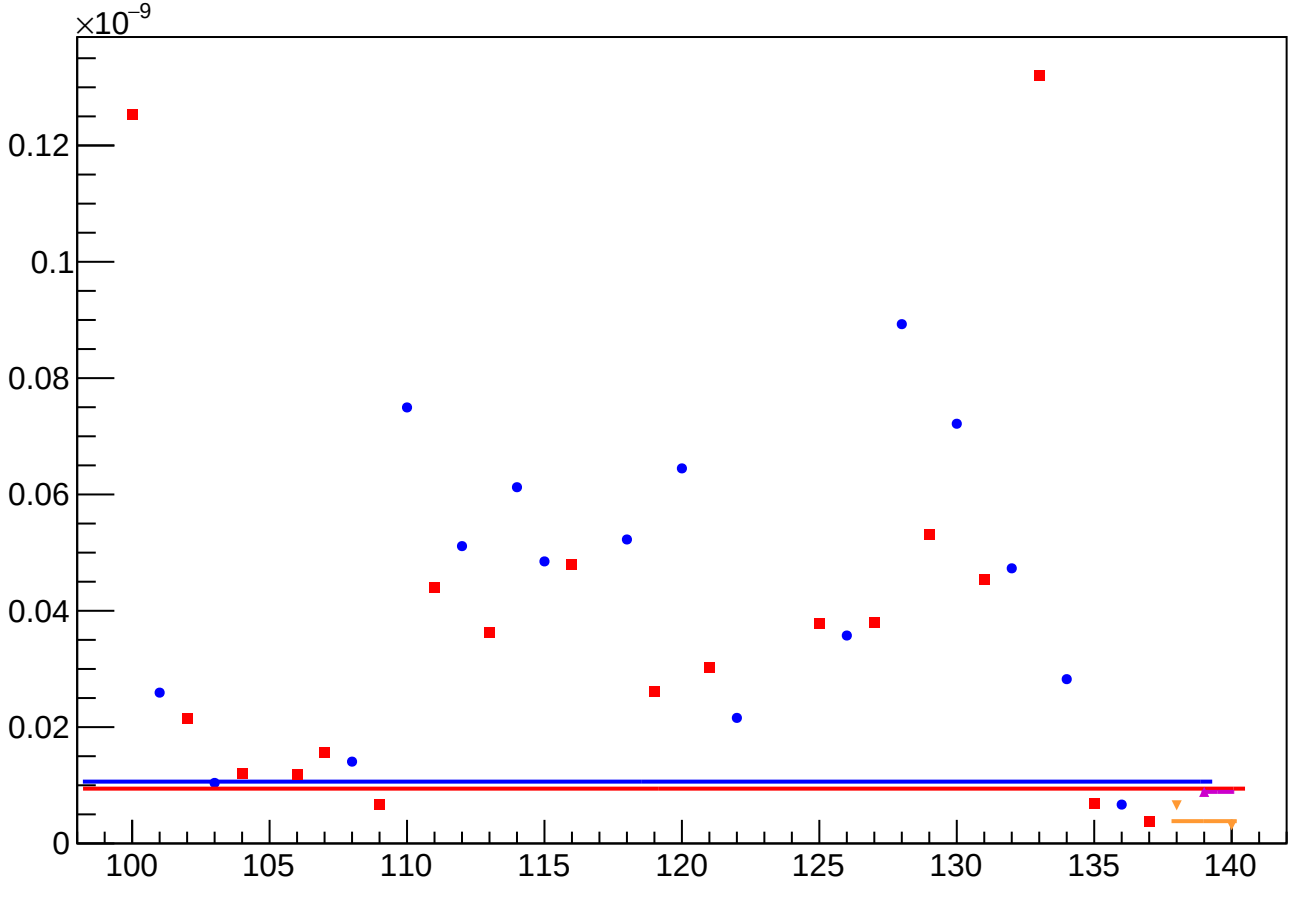
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 51.238+/-0.015 χ^2/NDF:2356241.4/16

Out: 46.923+/-0.013 χ^2/NDF:3597677.8/19

All: 48.886+/-0.010 χ^2/NDF: 6000880.7/36


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:0.8/1
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/17
Left In: -0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 1.2/2
Right: 0.000+/-0.000 χ²/NDF: 41.5/33
In: -0.000+/-0.000 χ²/NDF:18.7/16
Out: 0.000+/-0.000 χ²/NDF:23.4/19
All: -0.000+/-0.000 χ²/NDF: 43.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:231221.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

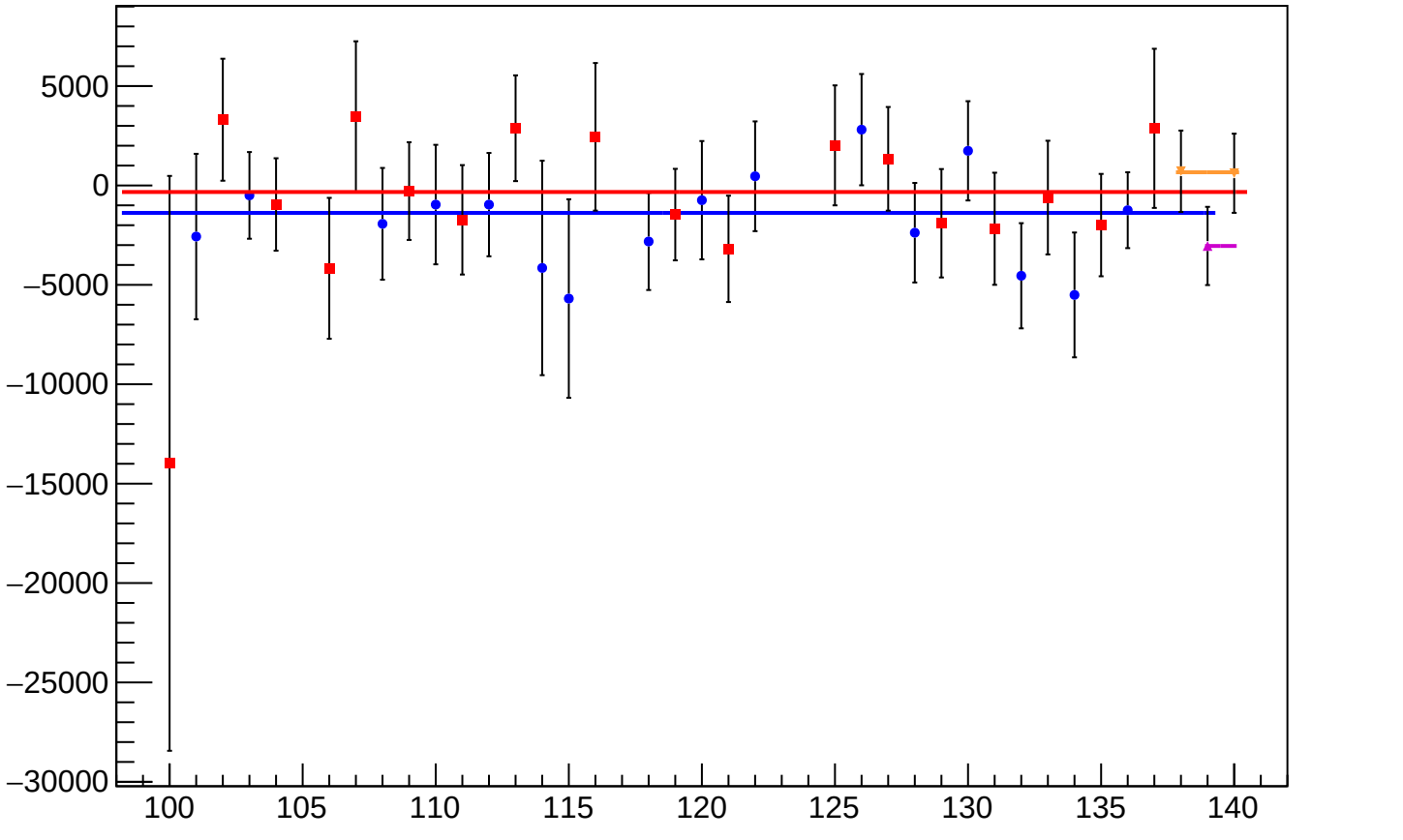
Left: 0.000+/-0.000 χ^2/NDF: 586778.1/2

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:4593333.7/16

Out: 0.000+/-0.000 χ^2/NDF:5329638.3/19

All: 0.000+/-0.000 χ^2/NDF: 10889100.0/36



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 663.442+/-1426.856 χ^2/NDF:0.0/1

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -3043.286+/-1967.273 χ^2/NDF:0.0/0

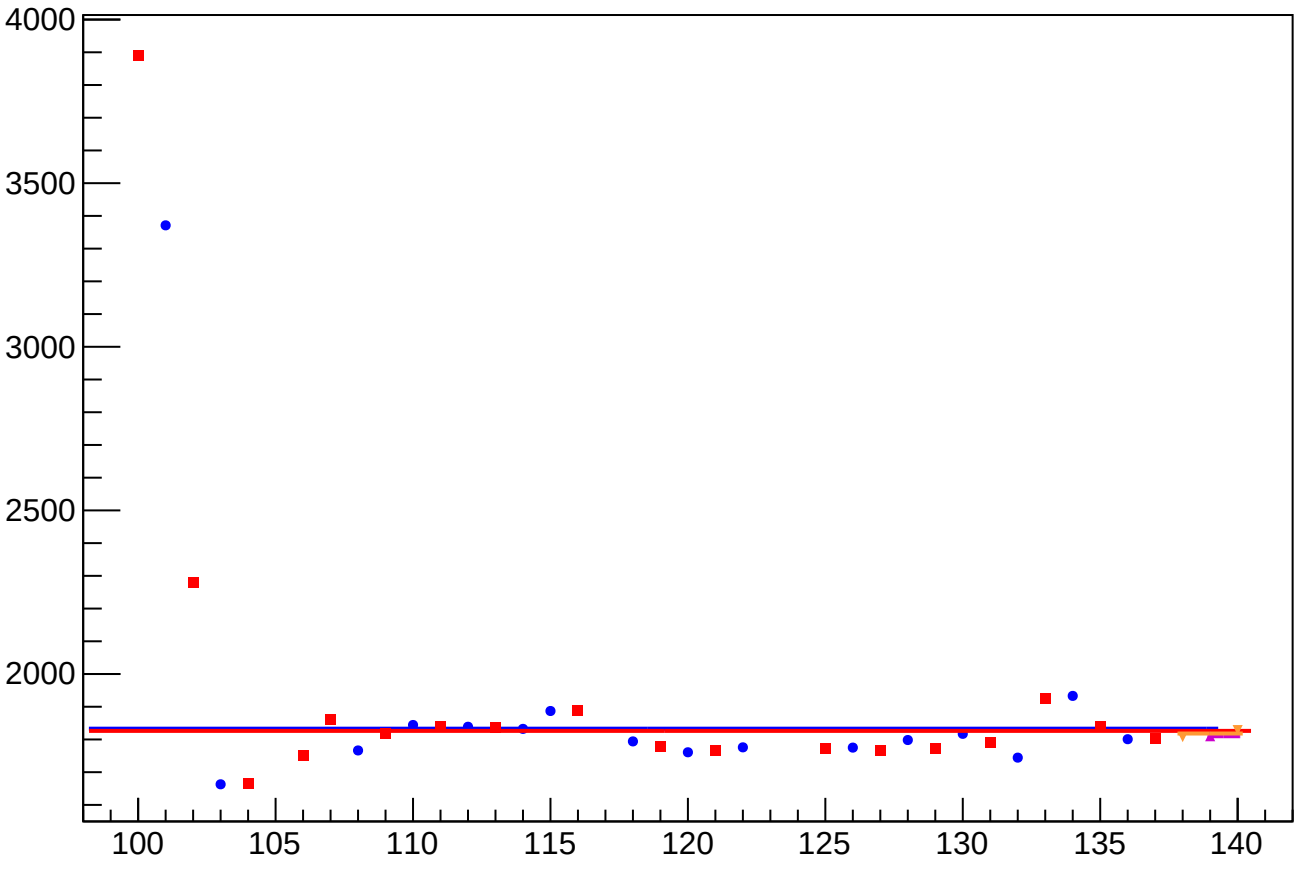
Left: -614.325+/-1155.035 χ^2/NDF: 2.3/2

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1560.638+/-650.297 χ^2/NDF:9.9/16

Out: -143.414+/-616.710 χ^2/NDF:11.4/19

All: -814.484+/-447.482 χ^2/NDF: 23.9/36



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1818.151+/-1.009 χ^2/NDF:112.7/1

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1809.867+/-1.391 χ^2/NDF:0.0/0

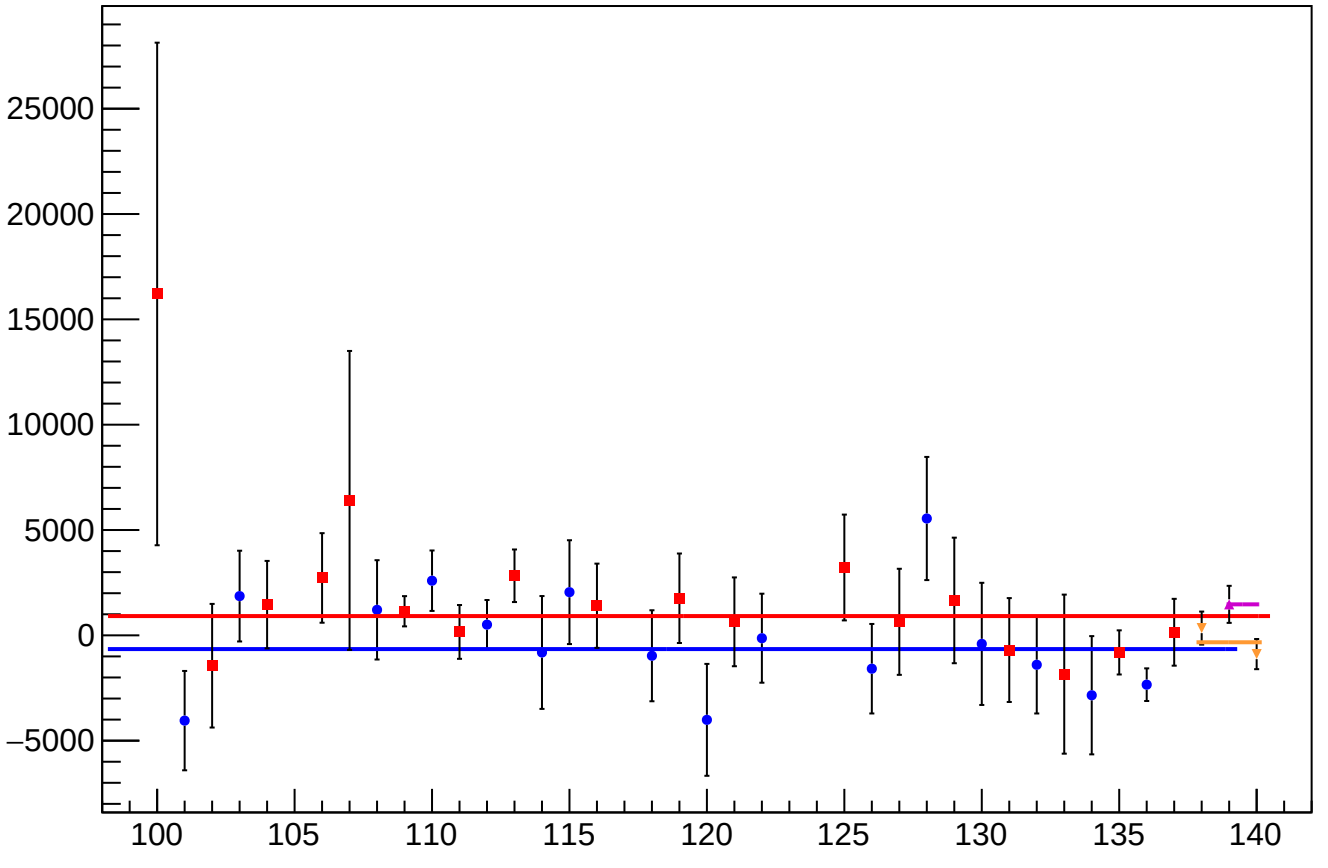
Left: 1815.295+/-0.817 χ^2/NDF: 135.9/2

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1830.425+/-0.460 χ^2/NDF:295684.5/16

Out: 1824.703+/-0.436 χ^2/NDF:103171.1/19

All: 1827.412+/-0.316 χ^2/NDF: 398937.2/36



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -328.896+/-528.561 χ^2/NDF:1.4/1

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 1471.237+/-879.301 χ^2/NDF:0.0/0

Left: 148.912+/-453.015 χ^2/NDF: 4.4/2

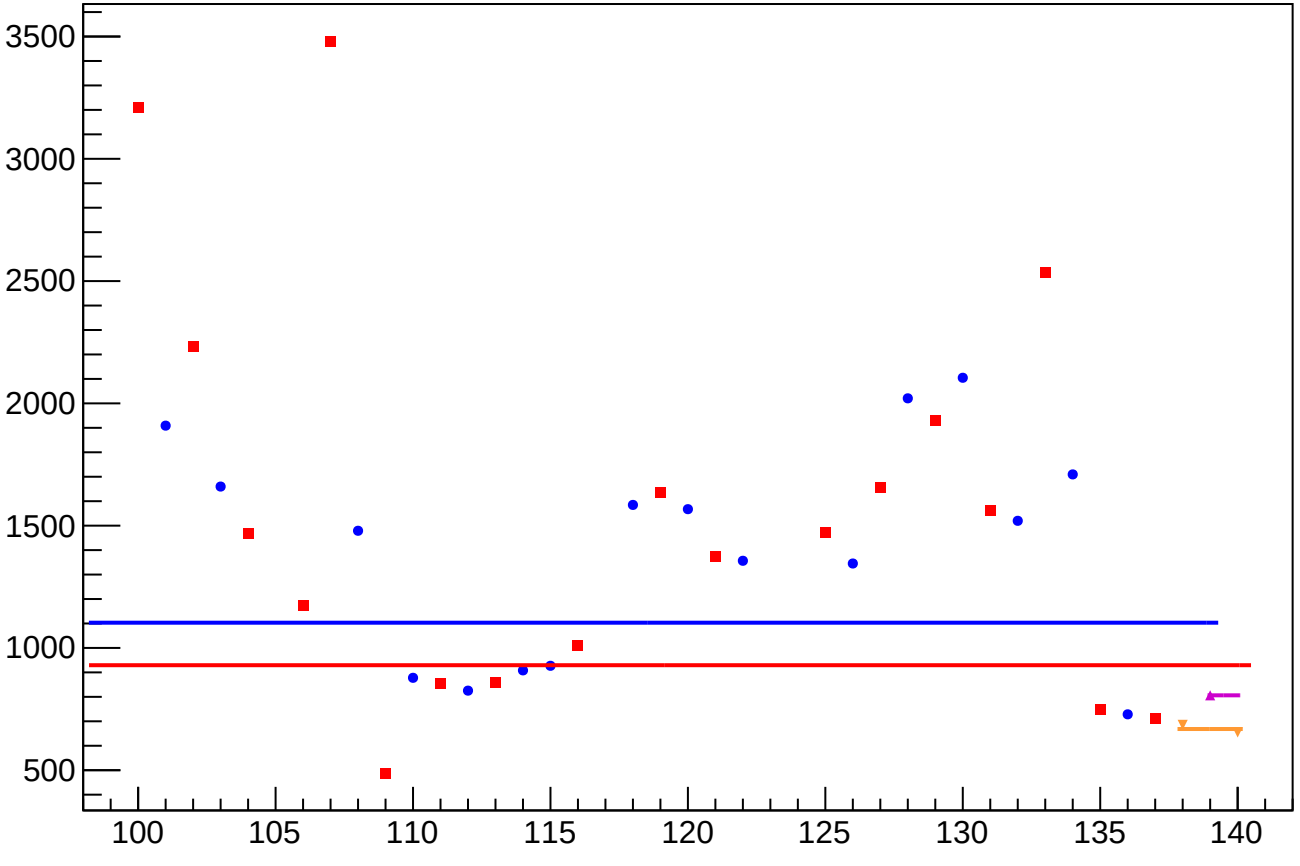
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -223.467+/-395.010 χ^2/NDF:27.9/16

Out: 471.360+/-315.595 χ^2/NDF:16.5/19

All: 200.641+/-246.564 χ^2/NDF: 46.2/36

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 668.463+/-0.374 χ^2/NDF:1728.0/1

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 806.213+/-0.622 χ^2/NDF:0.0/0

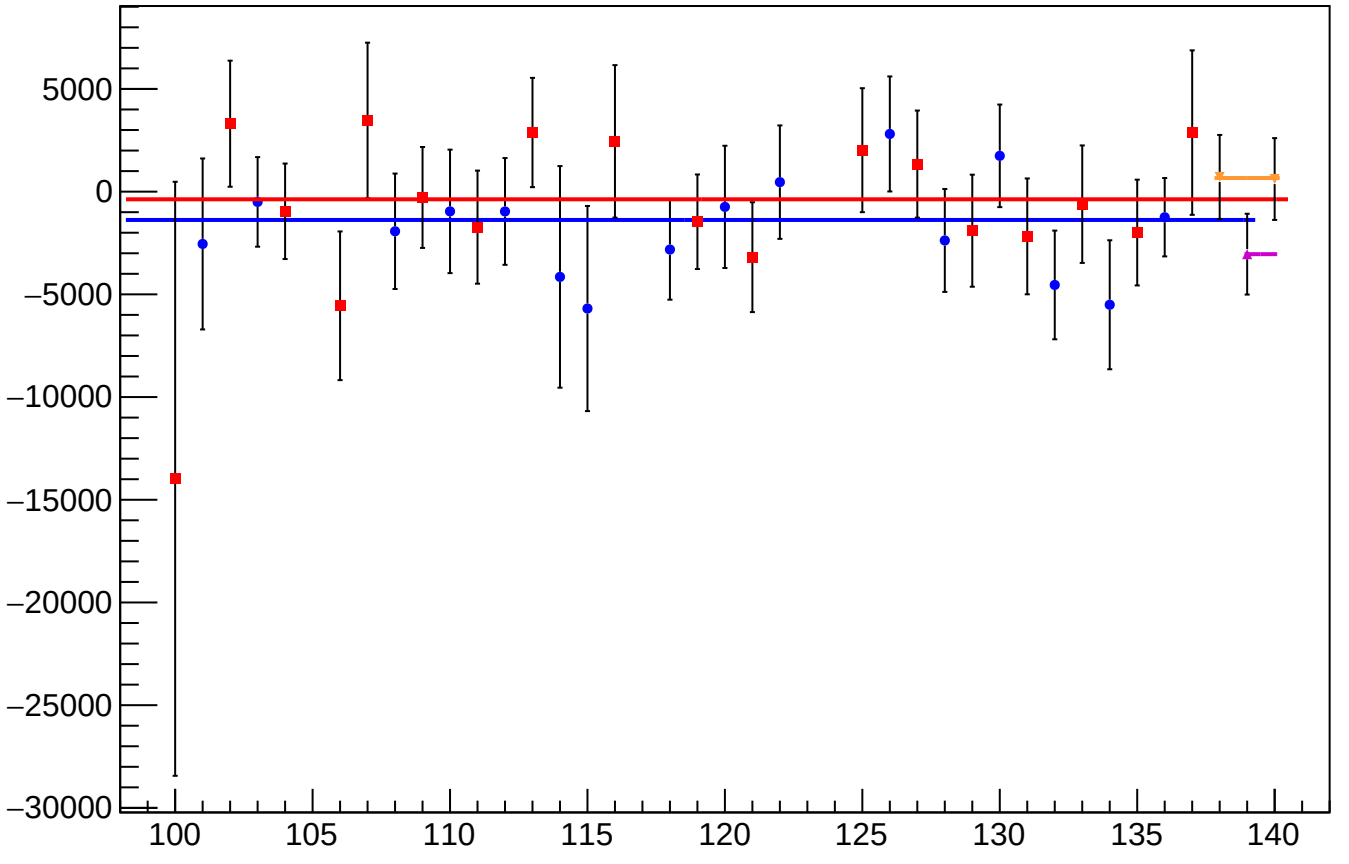
Left: 705.026+/-0.320 χ^2/NDF: 37783.3/2

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 1043.252+/-0.279 χ^2/NDF:2060266.7/16

Out: 836.346+/-0.223 χ^2/NDF:3369371.4/19

All: 916.961+/-0.174 χ^2/NDF: 5764571.9/36



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 663.546+/-1426.856 χ^2/NDF:0.0/1

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -3043.580+/-1967.273 χ^2/NDF:0.0/0

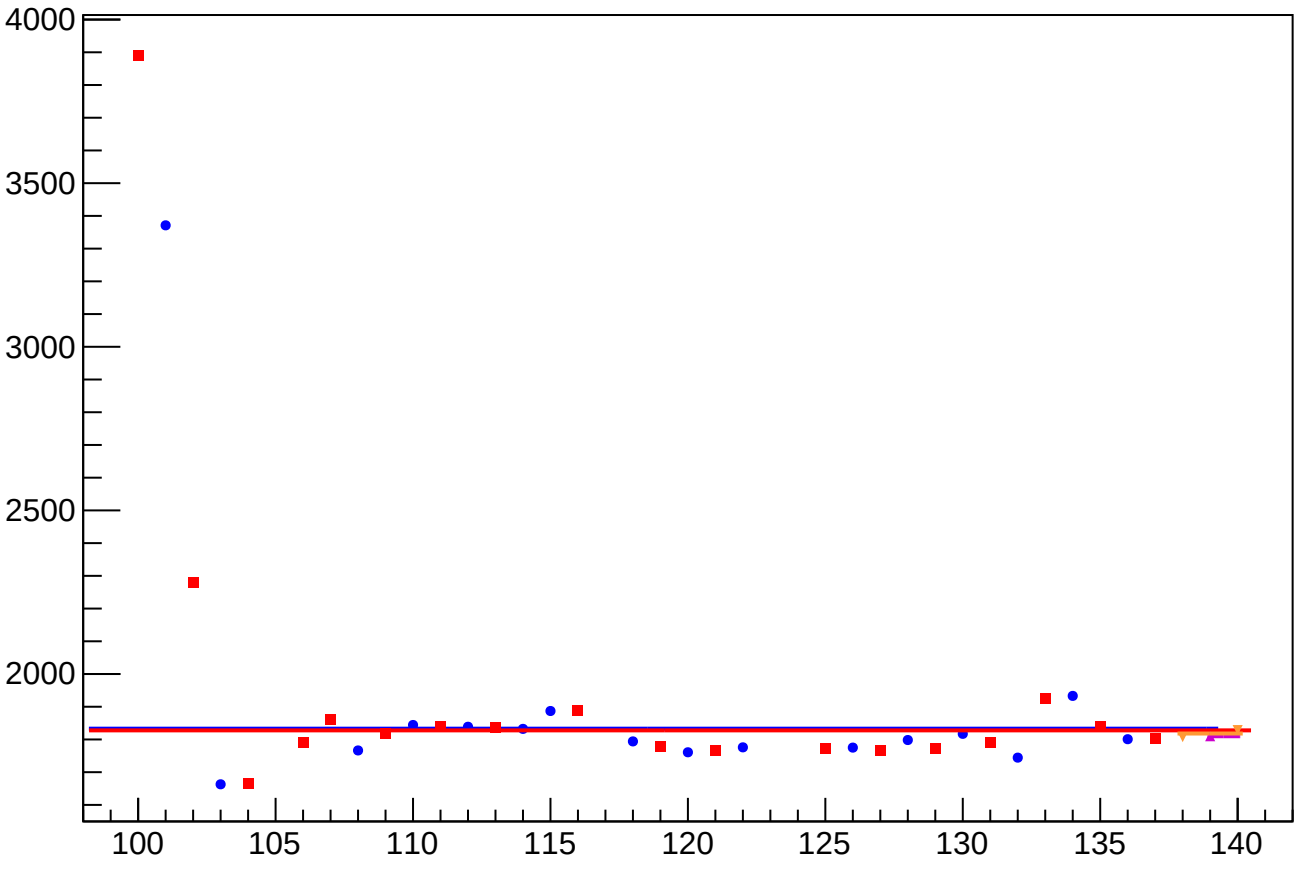
Left: -614.357+/-1155.035 χ^2/NDF: 2.3/2

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1560.114+/-650.297 χ^2/NDF:9.9/16

Out: -178.743+/-617.091 χ^2/NDF:12.4/19

All: -833.262+/-447.628 χ^2/NDF: 24.7/36



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1818.151+/-1.009 χ^2/NDF:112.7/1

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1809.867+/-1.391 χ^2/NDF:0.0/0

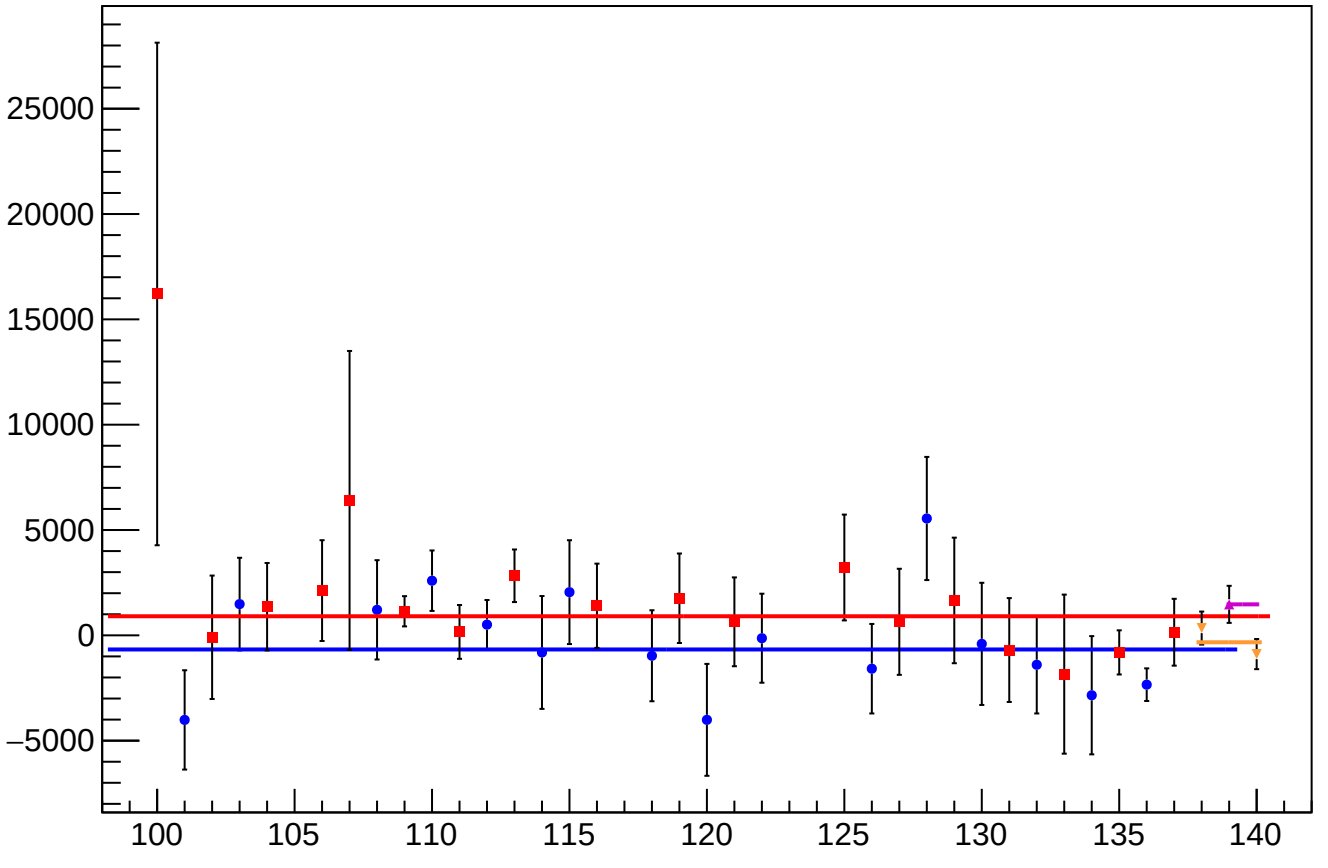
Left: 1815.295+/-0.817 χ^2/NDF: 135.9/2

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1830.425+/-0.460 χ^2/NDF:295686.4/16

Out: 1825.983+/-0.436 χ^2/NDF:102457.1/19

All: 1828.088+/-0.317 χ^2/NDF: 398192.6/36



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -328.913+/-528.559 χ^2/NDF:1.4/1

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 1470.895+/-879.312 χ^2/NDF:0.0/0

Left: 148.797+/-453.015 χ^2/NDF: 4.4/2

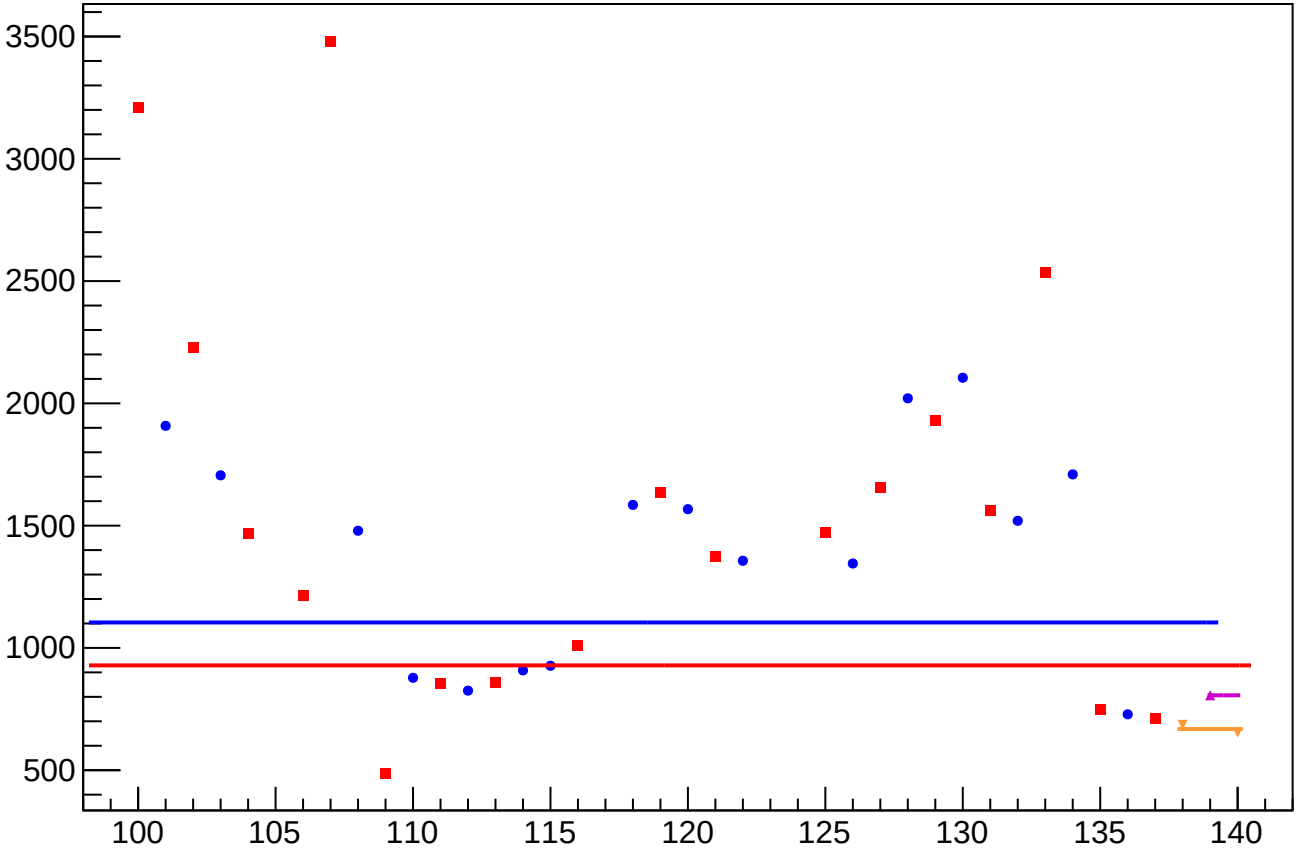
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -237.809+/-395.275 χ^2/NDF:27.5/16

Out: 463.657+/-316.312 χ^2/NDF:15.4/19

All: 189.817+/-246.970 χ^2/NDF: 44.8/36

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 668.461+/-0.374 χ^2/NDF:1727.4/1

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 806.223+/-0.622 χ^2/NDF:0.0/0

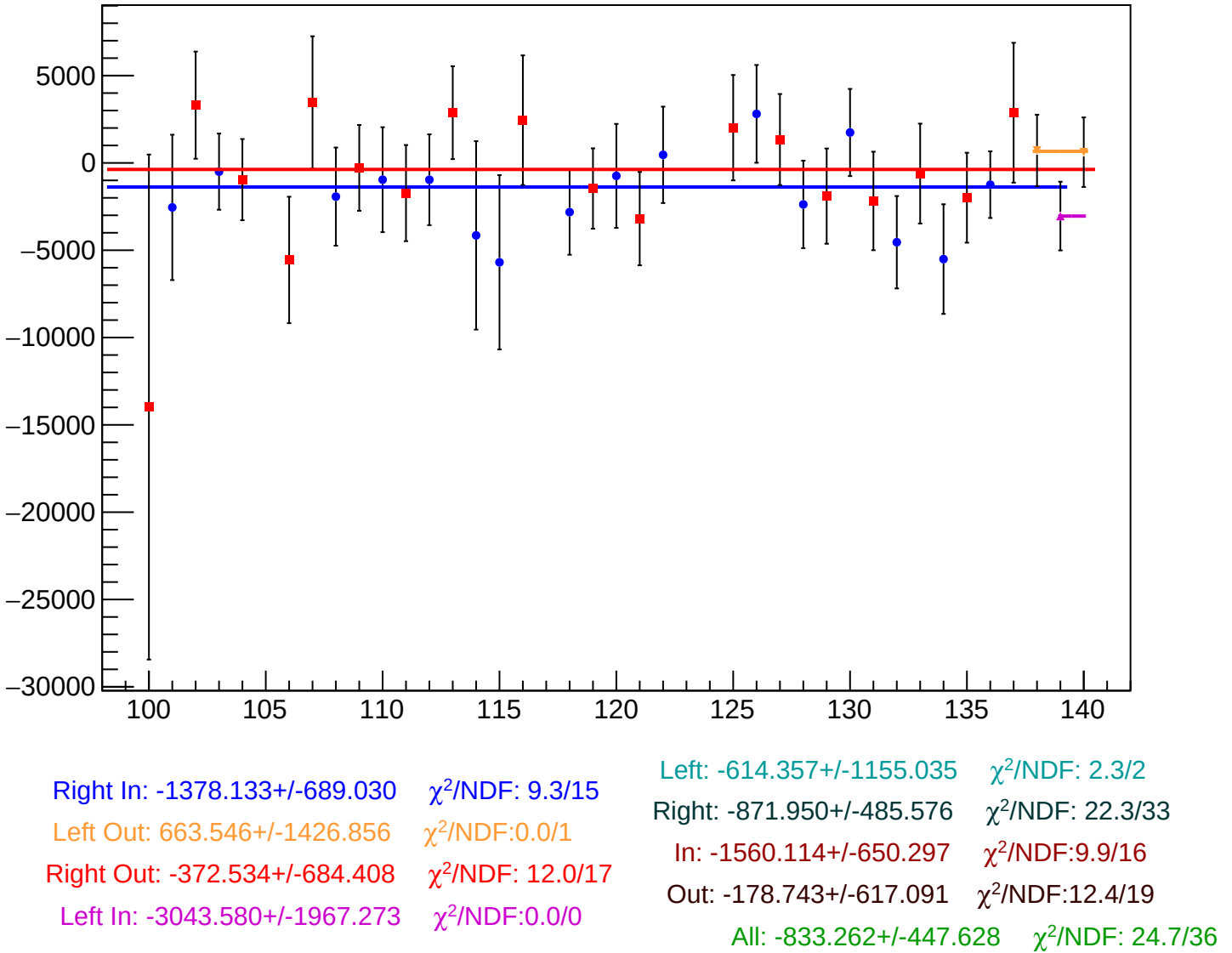
Left: 705.026+/-0.320 χ^2/NDF: 37788.3/2

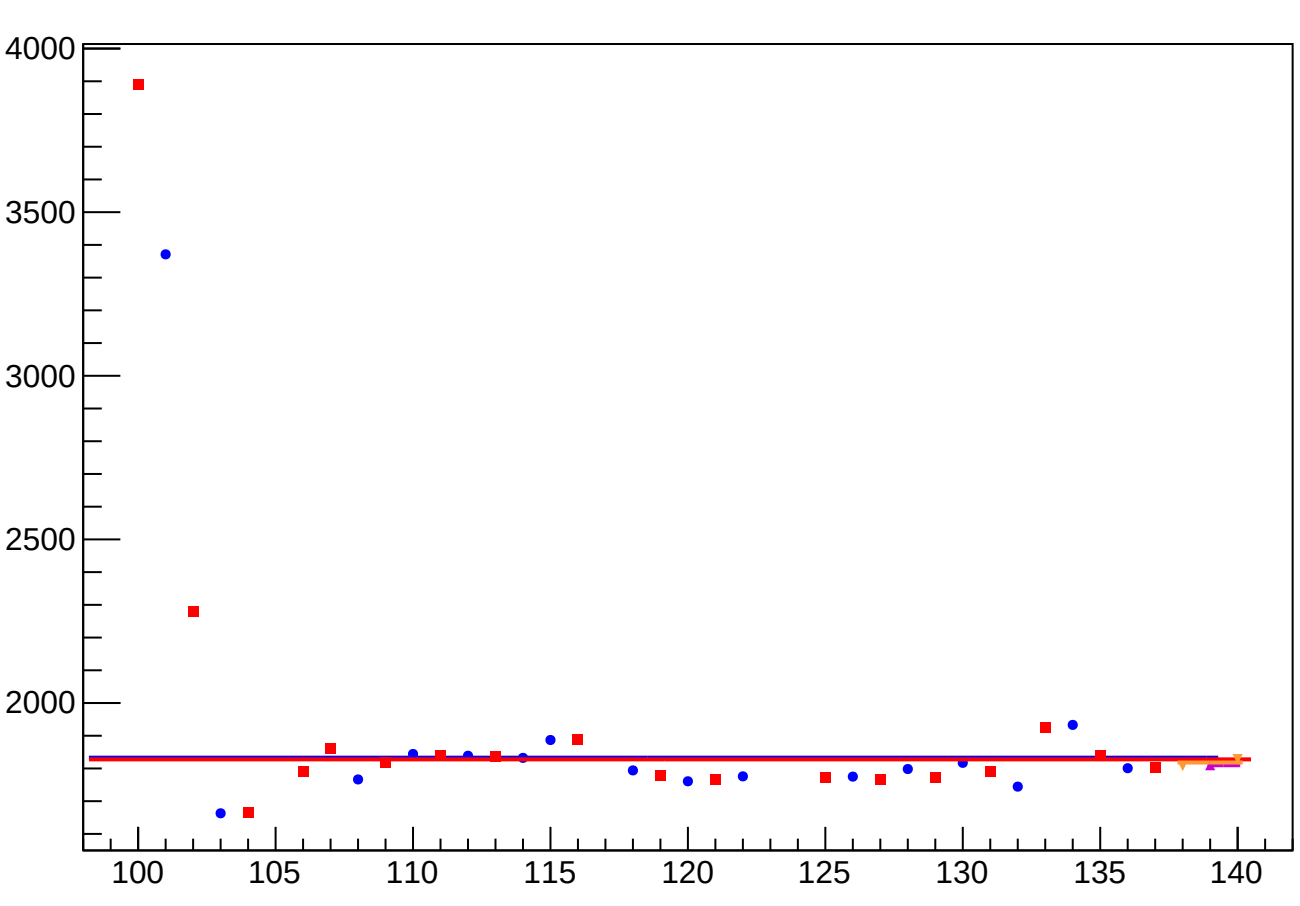
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 1043.909+/-0.280 χ^2/NDF:2077624.3/16

Out: 835.454+/-0.224 χ^2/NDF:3367132.9/19

All: 916.831+/-0.175 χ^2/NDF: 5783843.1/36


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: 663.546+/-1426.856 χ²/NDF:0.0/1
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -3043.580+/-1967.273 χ²/NDF:0.0/0
Left: -614.357+/-1155.035 χ²/NDF: 2.3/2
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -1560.114+/-650.297 χ²/NDF:9.9/16
Out: -178.743+/-617.091 χ²/NDF:12.4/19
All: -833.262+/-447.628 χ²/NDF: 24.7/36



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1818.151+/-1.009 χ^2/NDF:112.7/1

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1809.867+/-1.391 χ^2/NDF:0.0/0

Left: 1815.295+/-0.817 χ^2/NDF: 135.9/2

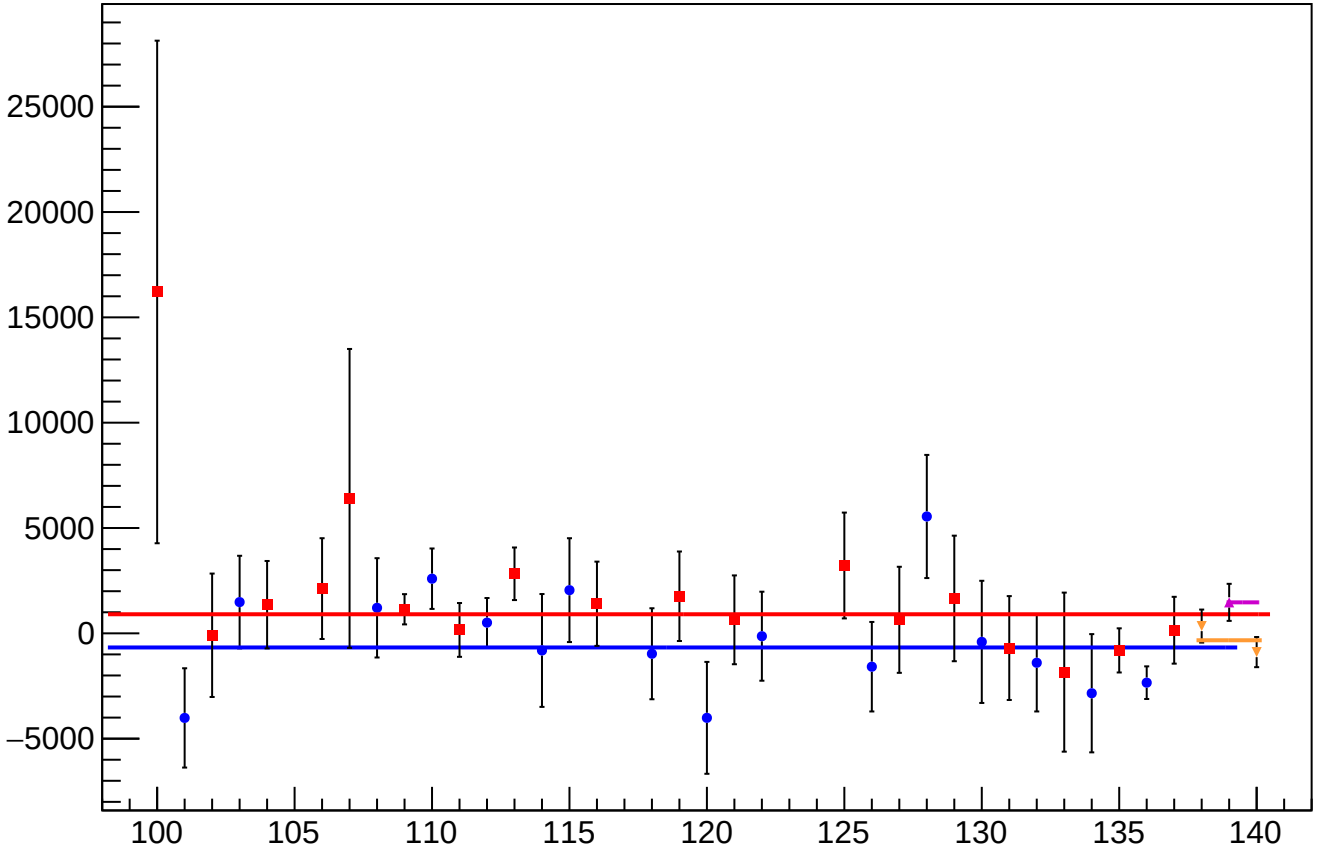
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1830.425+/-0.460 χ^2/NDF:295686.4/16

Out: 1825.983+/-0.436 χ^2/NDF:102457.1/19

All: 1828.088+/-0.317 χ^2/NDF: 398192.6/36

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -328.913+/-528.559 χ^2/NDF:1.4/1

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 1470.895+/-879.312 χ^2/NDF:0.0/0

Left: 148.797+/-453.015 χ^2/NDF: 4.4/2

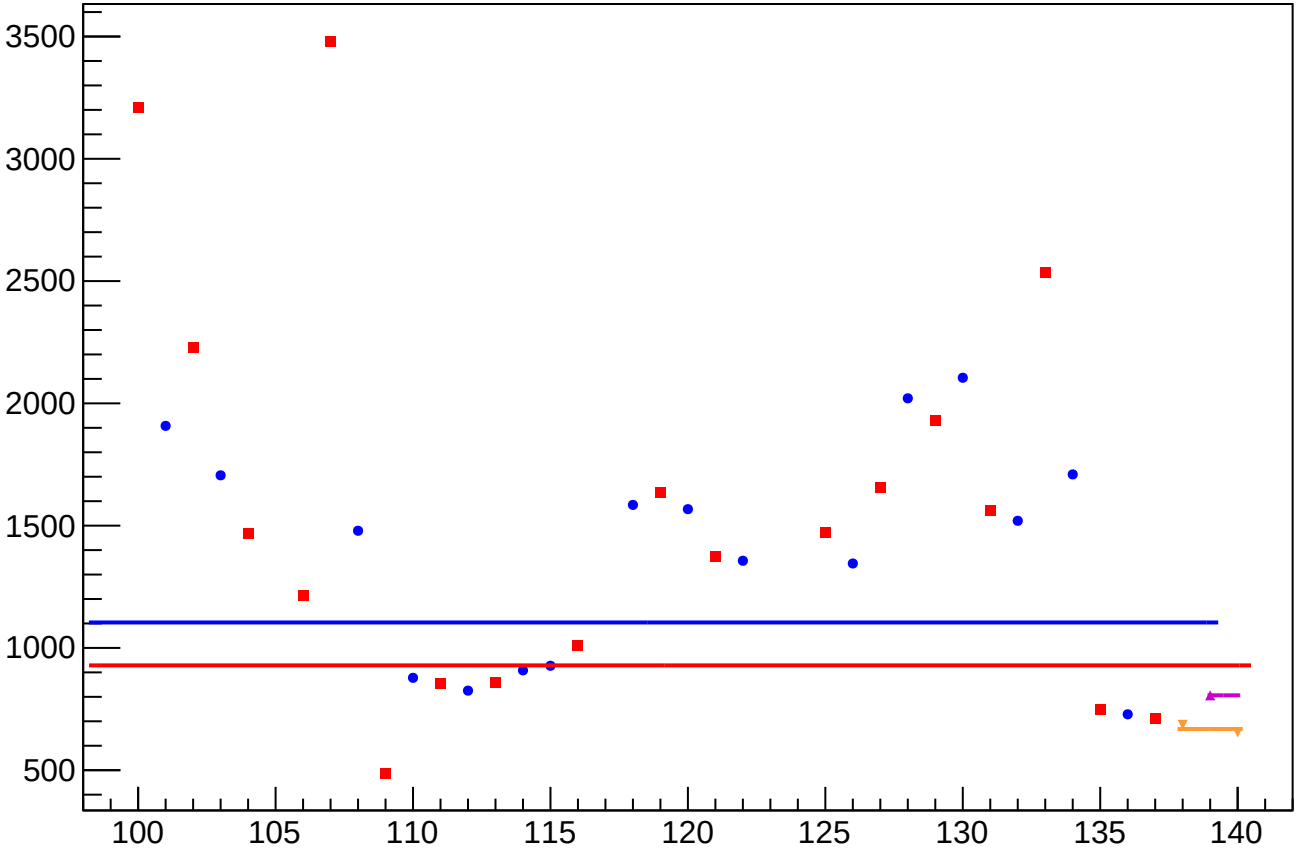
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -237.809+/-395.275 χ^2/NDF:27.5/16

Out: 463.657+/-316.312 χ^2/NDF:15.4/19

All: 189.817+/-246.970 χ^2/NDF: 44.8/36

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 668.461+/-0.374 χ^2/NDF:1727.4/1

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 806.223+/-0.622 χ^2/NDF:0.0/0

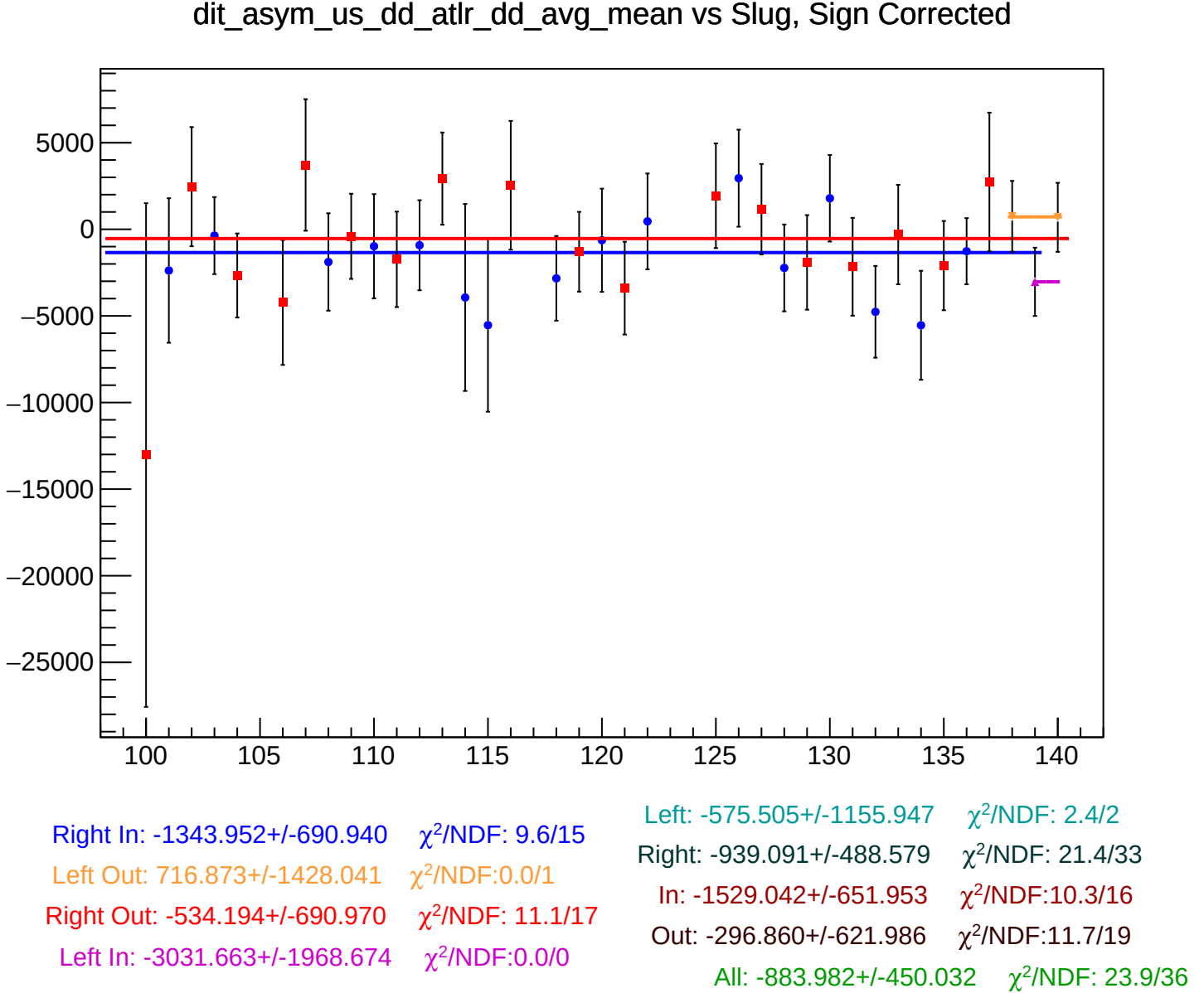
Left: 705.026+/-0.320 χ^2/NDF: 37788.3/2

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

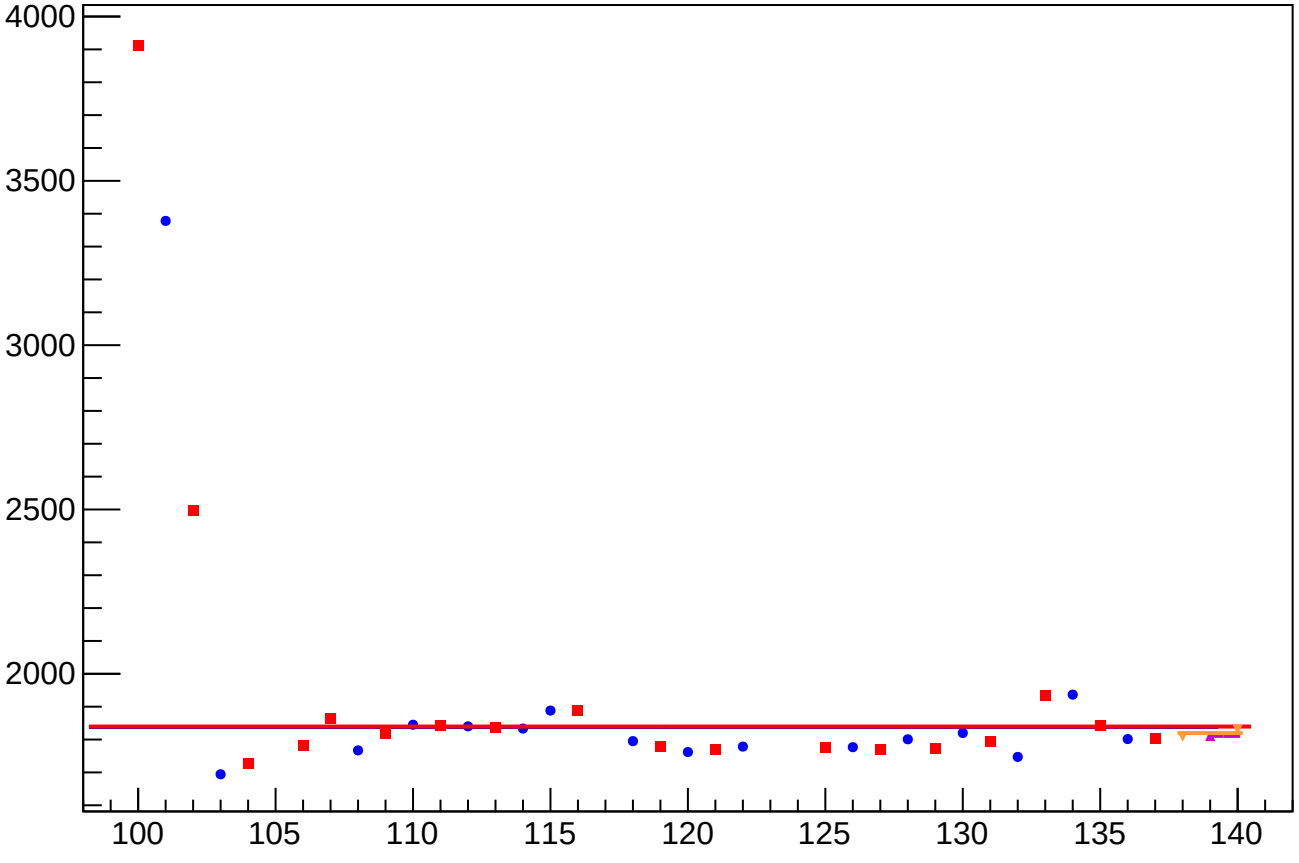
In: 1043.909+/-0.280 χ^2/NDF:2077624.3/16

Out: 835.454+/-0.224 χ^2/NDF:3367132.9/19

All: 916.831+/-0.175 χ^2/NDF: 5783843.1/36


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
Right In: -1343.952+/-690.940 χ²/NDF: 9.6/15
Left Out: 716.873+/-1428.041 χ²/NDF:0.0/1
Right Out: -534.194+/-690.970 χ²/NDF: 11.1/17
Left In: -3031.663+/-1968.674 χ²/NDF:0.0/0
Left: -575.505+/-1155.947 χ²/NDF: 2.4/2
Right: -939.091+/-488.579 χ²/NDF: 21.4/33
In: -1529.042+/-651.953 χ²/NDF:10.3/16
Out: -296.860+/-621.986 χ²/NDF:11.7/19
All: -883.982+/-450.032 χ²/NDF: 23.9/36

dit_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1819.662+/-1.010 χ^2/NDF:110.0/1

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1811.141+/-1.392 χ^2/NDF:0.0/0

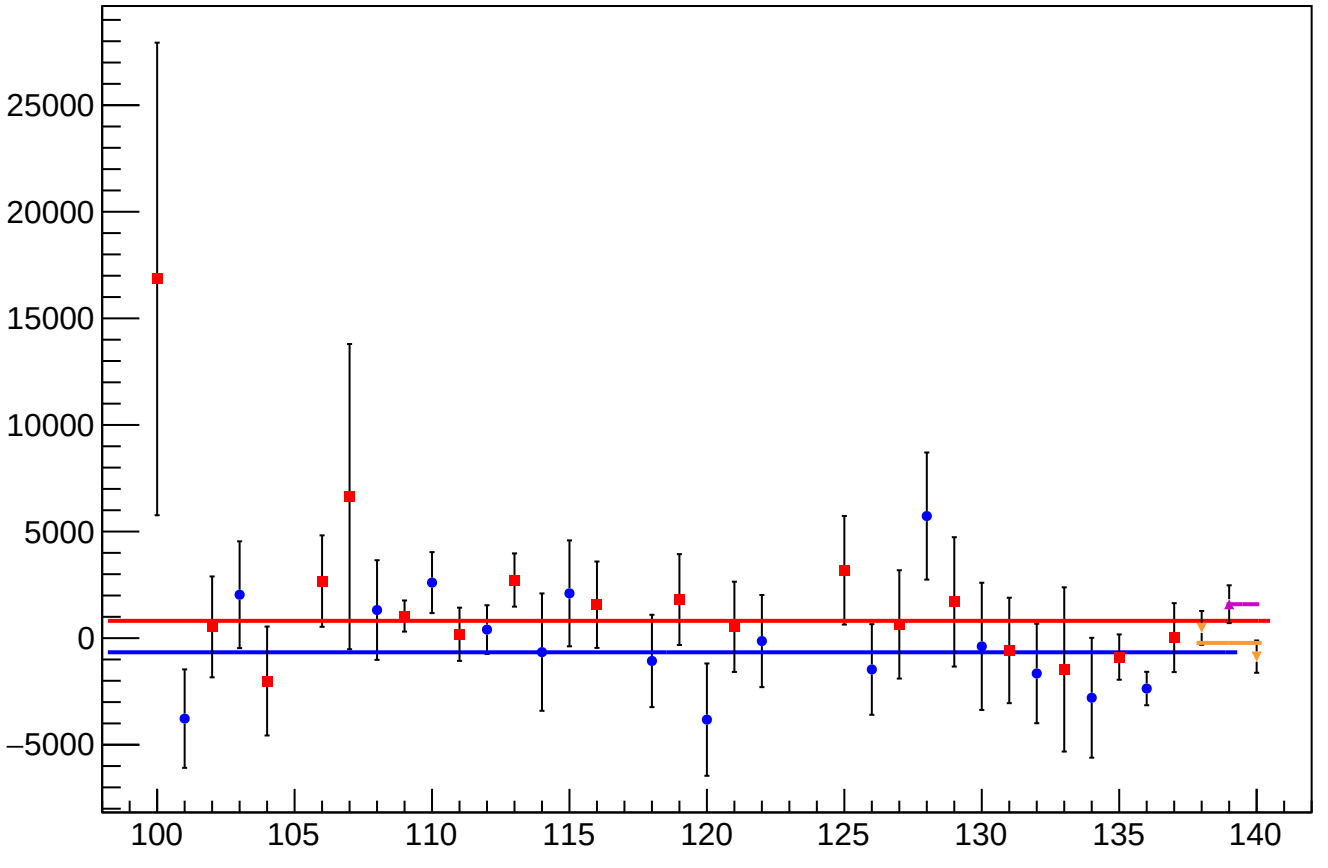
Left: 1816.724+/-0.817 χ^2/NDF: 134.5/2

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1835.196+/-0.461 χ^2/NDF:292319.4/16

Out: 1835.751+/-0.440 χ^2/NDF:128676.8/19

All: 1835.486+/-0.318 χ^2/NDF: 420997.0/36



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -223.608+/-547.891 χ^2/NDF:1.5/1

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 1592.101+/-886.705 χ^2/NDF:0.0/0

Left: 278.079+/-466.093 χ^2/NDF: 4.5/2

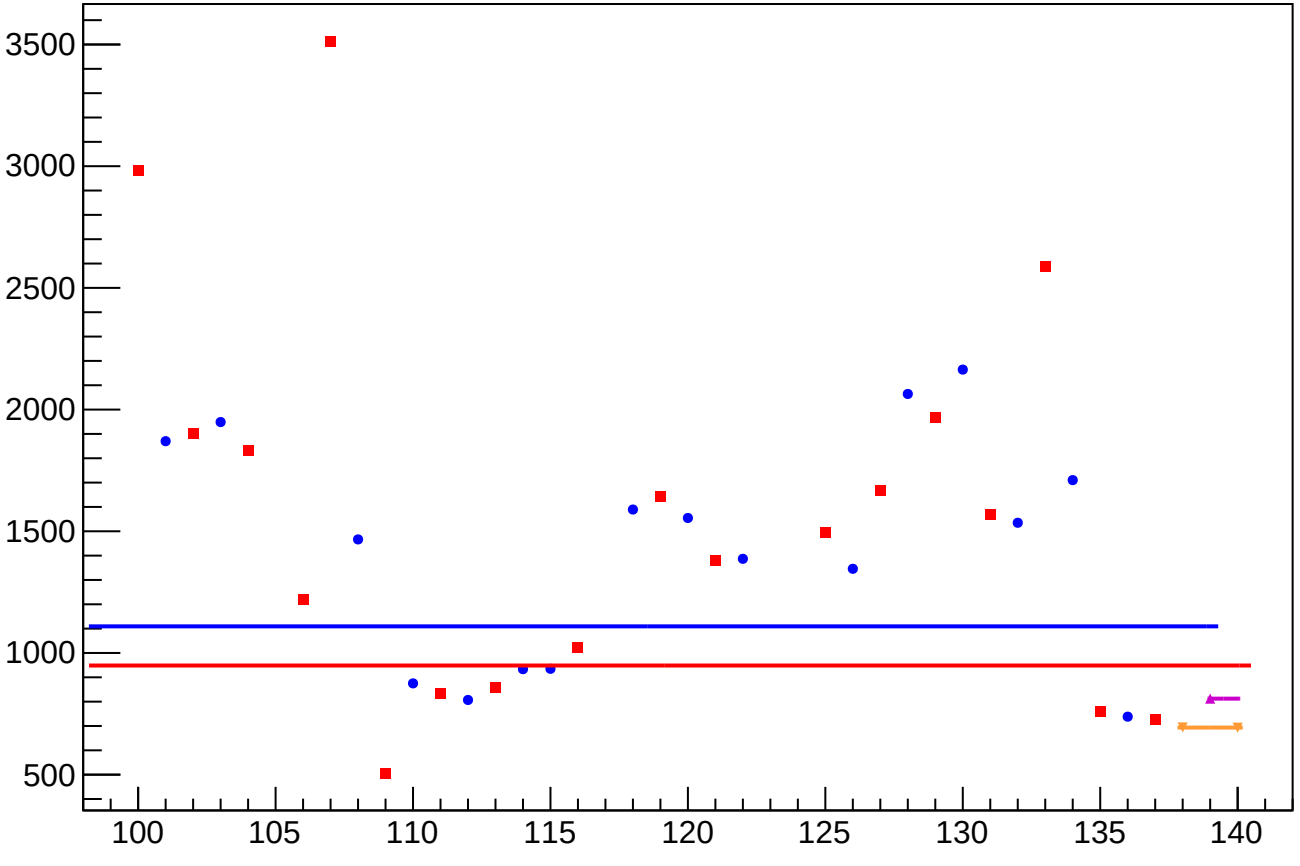
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -208.216+/-398.369 χ^2/NDF:27.9/16

Out: 455.364+/-321.576 χ^2/NDF:16.1/19

All: 193.558+/-250.224 χ^2/NDF: 45.7/36

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 693.434+/-0.387 χ^2/NDF:2.2/1

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 812.376+/-0.627 χ^2/NDF:0.0/0

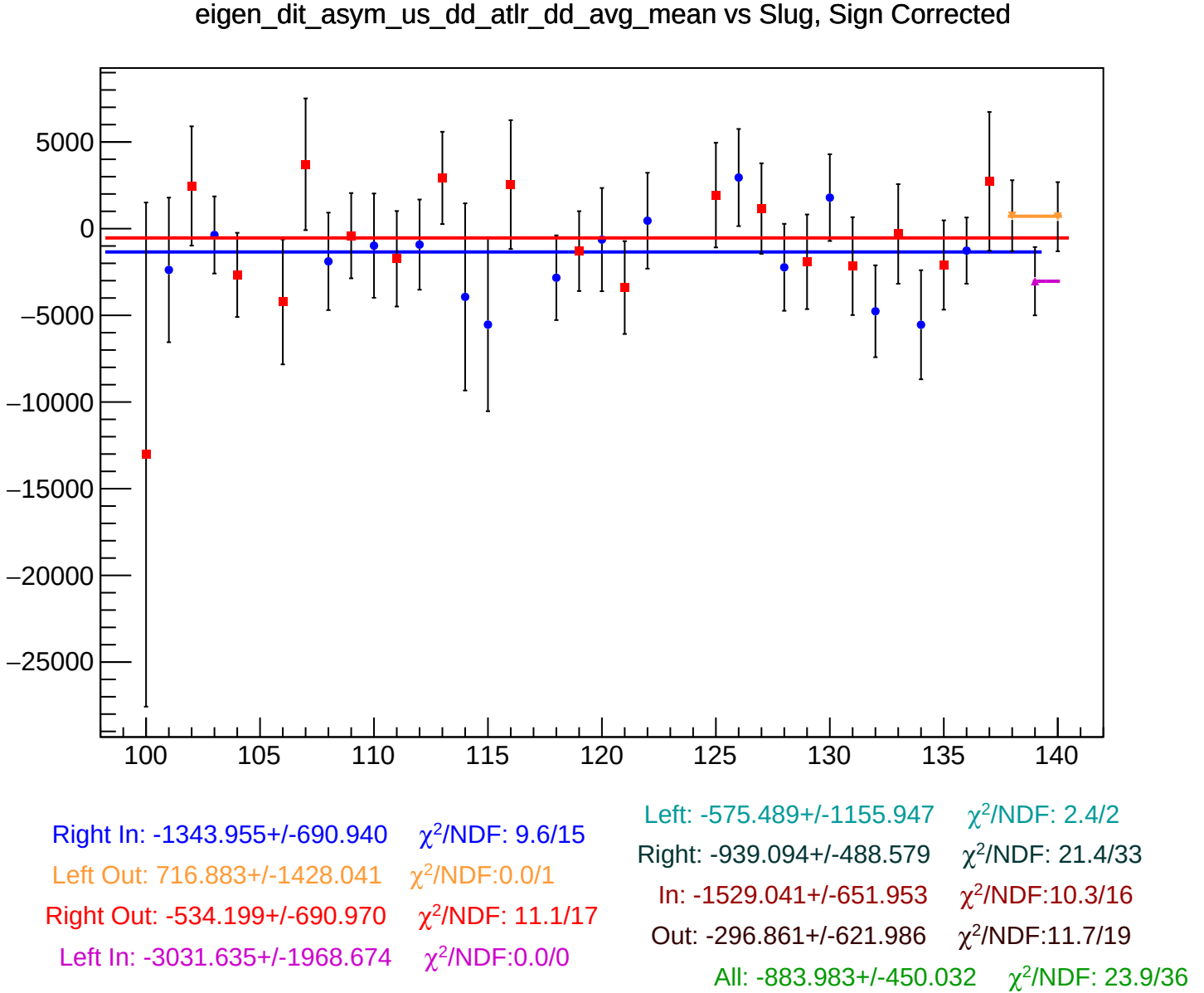
Left: 726.298+/-0.330 χ^2/NDF: 26045.9/2

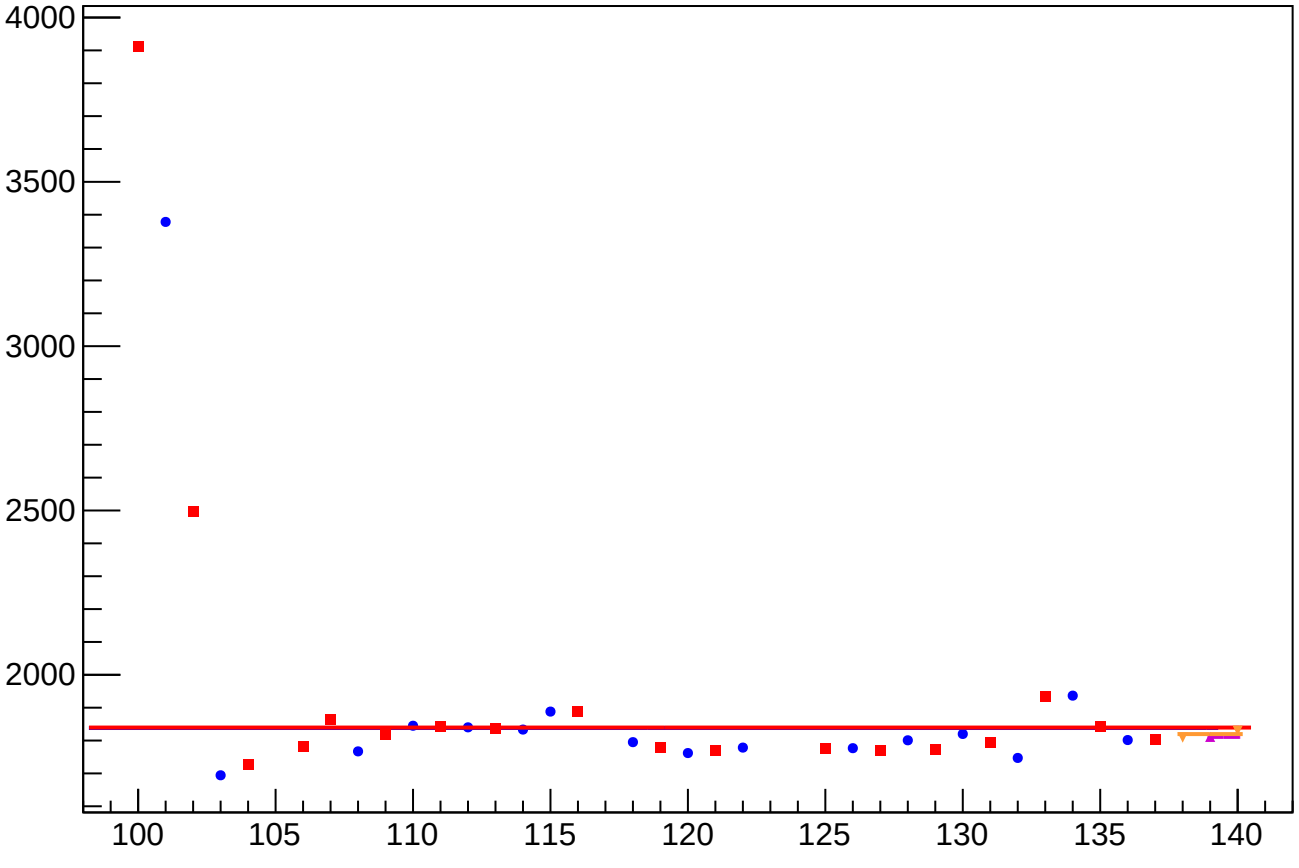
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 1049.418+/-0.282 χ^2/NDF:2152437.2/16

Out: 860.591+/-0.227 χ^2/NDF:3337670.1/19

All: 935.090+/-0.177 χ^2/NDF: 5762172.7/36


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: 716.883+/-1428.041 χ²/NDF:0.0/1
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -3031.635+/-1968.674 χ²/NDF:0.0/0
Left: -575.489+/-1155.947 χ²/NDF: 2.4/2
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -1529.041+/-651.953 χ²/NDF:10.3/16
Out: -296.861+/-621.986 χ²/NDF:11.7/19
All: -883.983+/-450.032 χ²/NDF: 23.9/36



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1819.662+/-1.010 χ^2/NDF:110.0/1

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1811.141+/-1.392 χ^2/NDF:0.0/0

Left: 1816.724+/-0.817 χ^2/NDF: 134.5/2

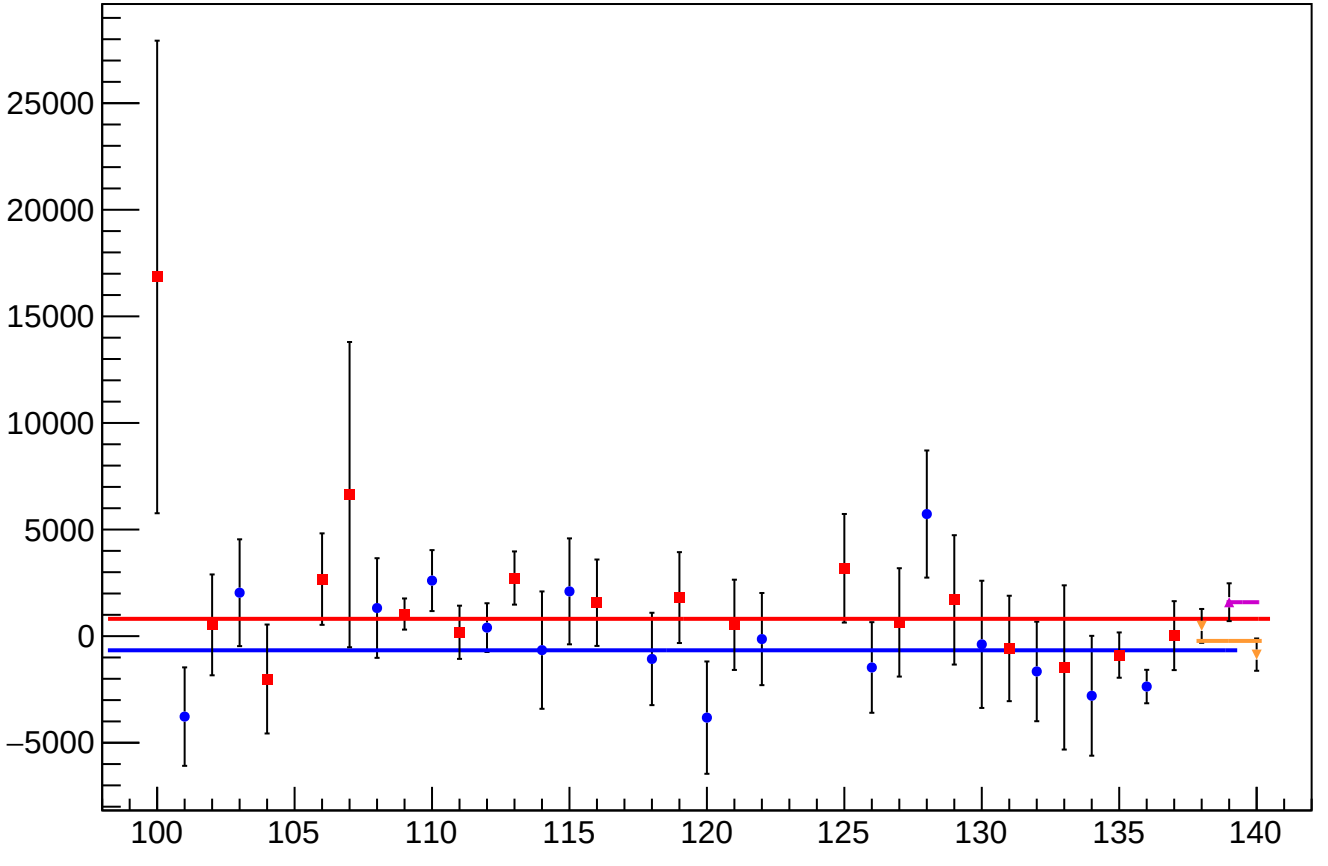
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1835.196+/-0.461 χ^2/NDF:292319.4/16

Out: 1835.751+/-0.440 χ^2/NDF:128676.8/19

All: 1835.486+/-0.318 χ^2/NDF: 420997.0/36

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: -223.615+/-547.898 χ^2/NDF:1.5/1

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 1592.125+/-886.724 χ^2/NDF:0.0/0

Left: 278.075+/-466.100 χ^2/NDF: 4.5/2

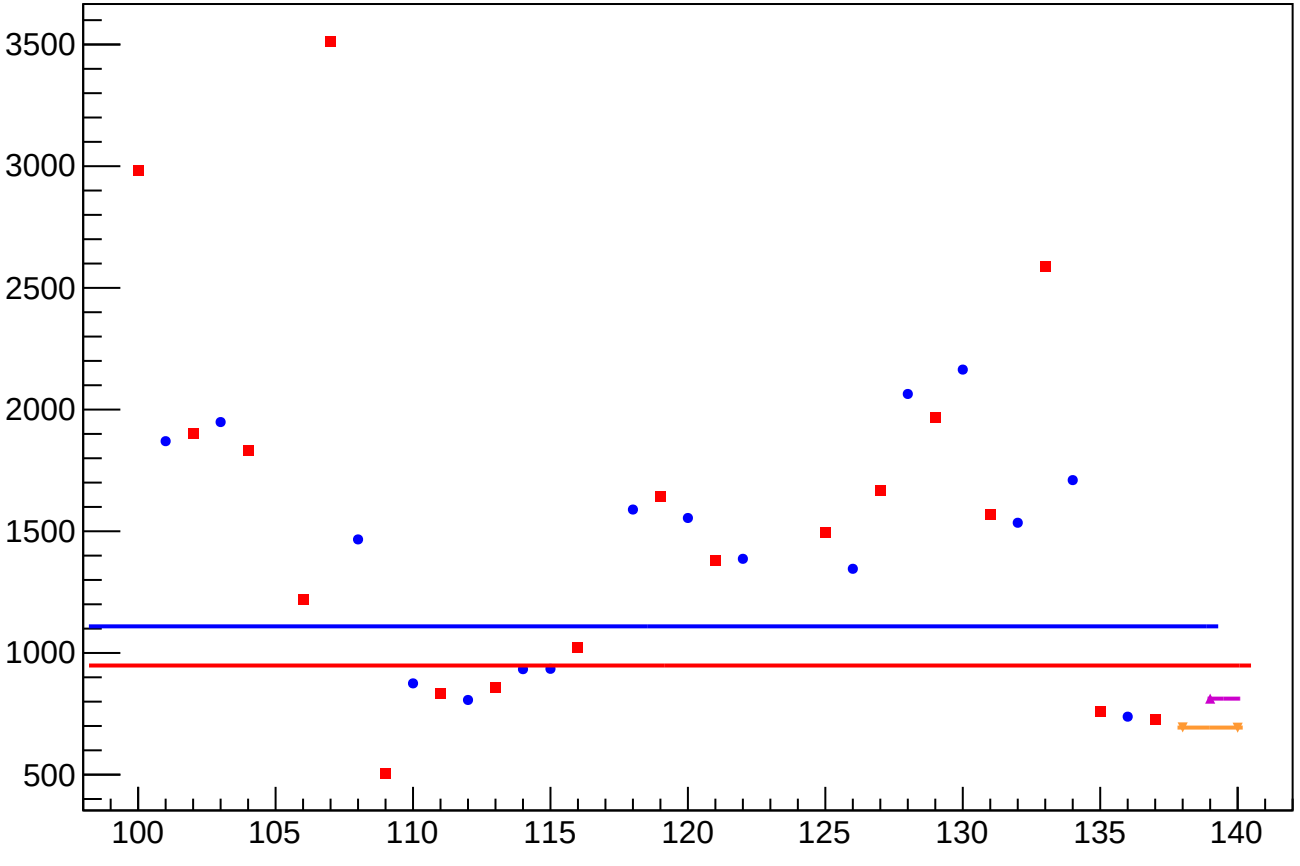
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -208.215+/-398.371 χ^2/NDF:27.9/16

Out: 455.372+/-321.578 χ^2/NDF:16.1/19

All: 193.563+/-250.225 χ^2/NDF: 45.7/36

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: 693.443+/-0.387 χ^2/NDF:2.3/1

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 812.394+/-0.627 χ^2/NDF:0.0/0

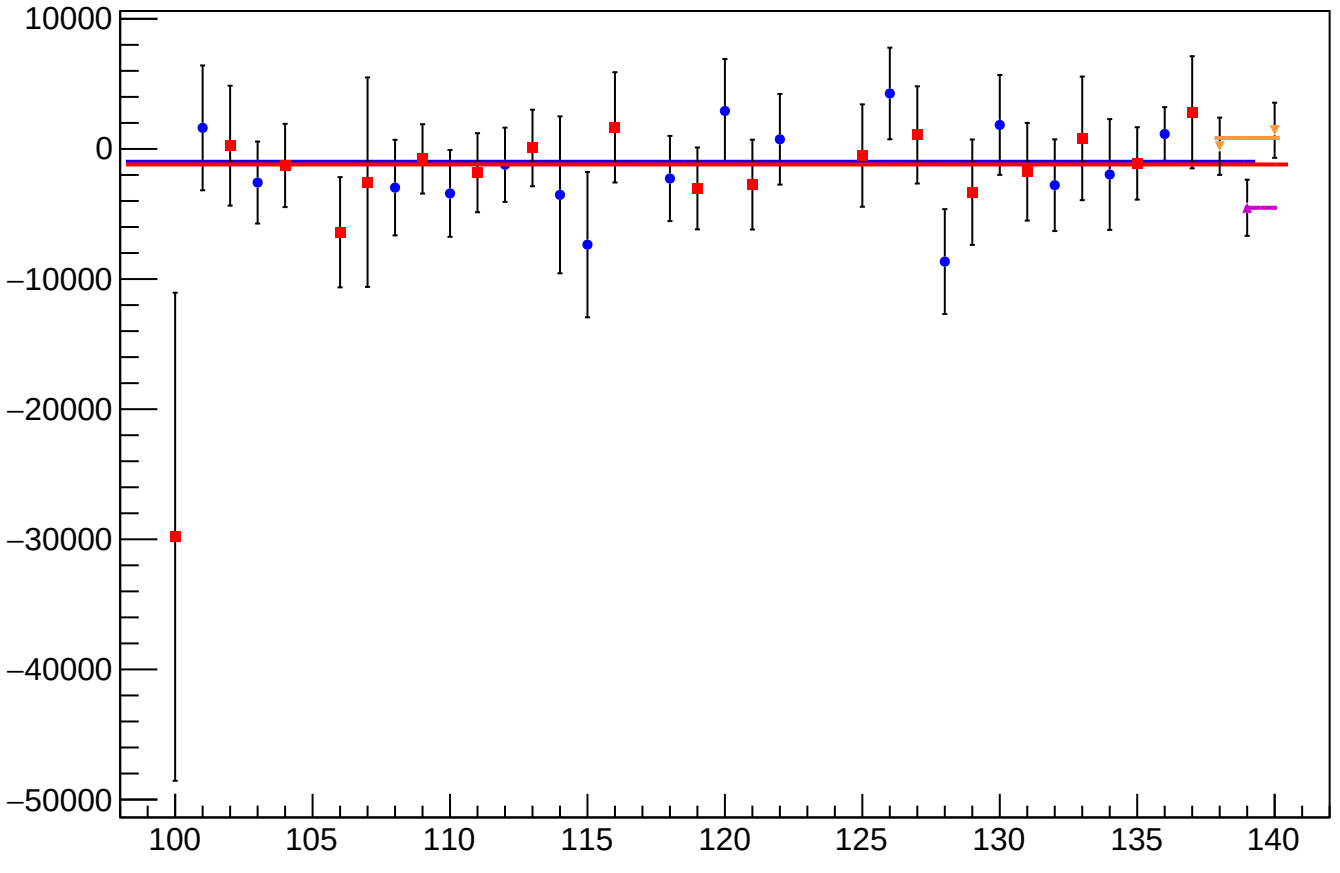
Left: 726.309+/-0.330 χ^2/NDF: 26048.6/2

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 1049.425+/-0.282 χ^2/NDF:2152373.8/16

Out: 860.597+/-0.227 χ^2/NDF:3337623.5/19

All: 935.097+/-0.177 χ^2/NDF: 5762064.5/36



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 843.899+/-1526.761 χ^2/NDF:0.2/1

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -4520.470+/-2158.952 χ^2/NDF:0.0/0

Left: -944.460+/-1246.554 χ^2/NDF: 4.3/2

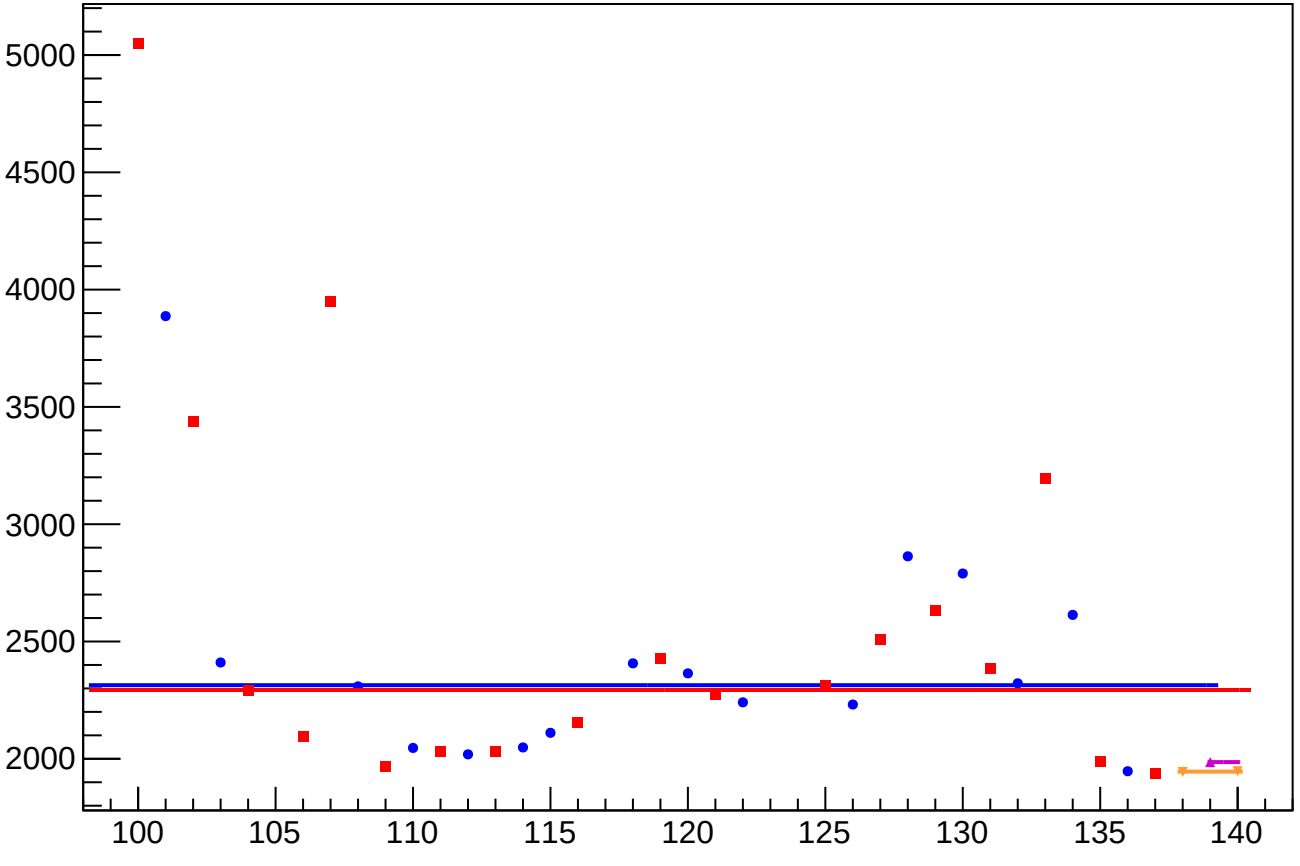
Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1484.841+/-810.006 χ^2/NDF:14.3/16

Out: -692.720+/-756.174 χ^2/NDF:8.5/19

All: -1061.586+/-552.748 χ^2/NDF: 23.3/36

asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1945.321+/-1.080 χ^2/NDF:1.5/1

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1985.959+/-1.527 χ^2/NDF:0.0/0

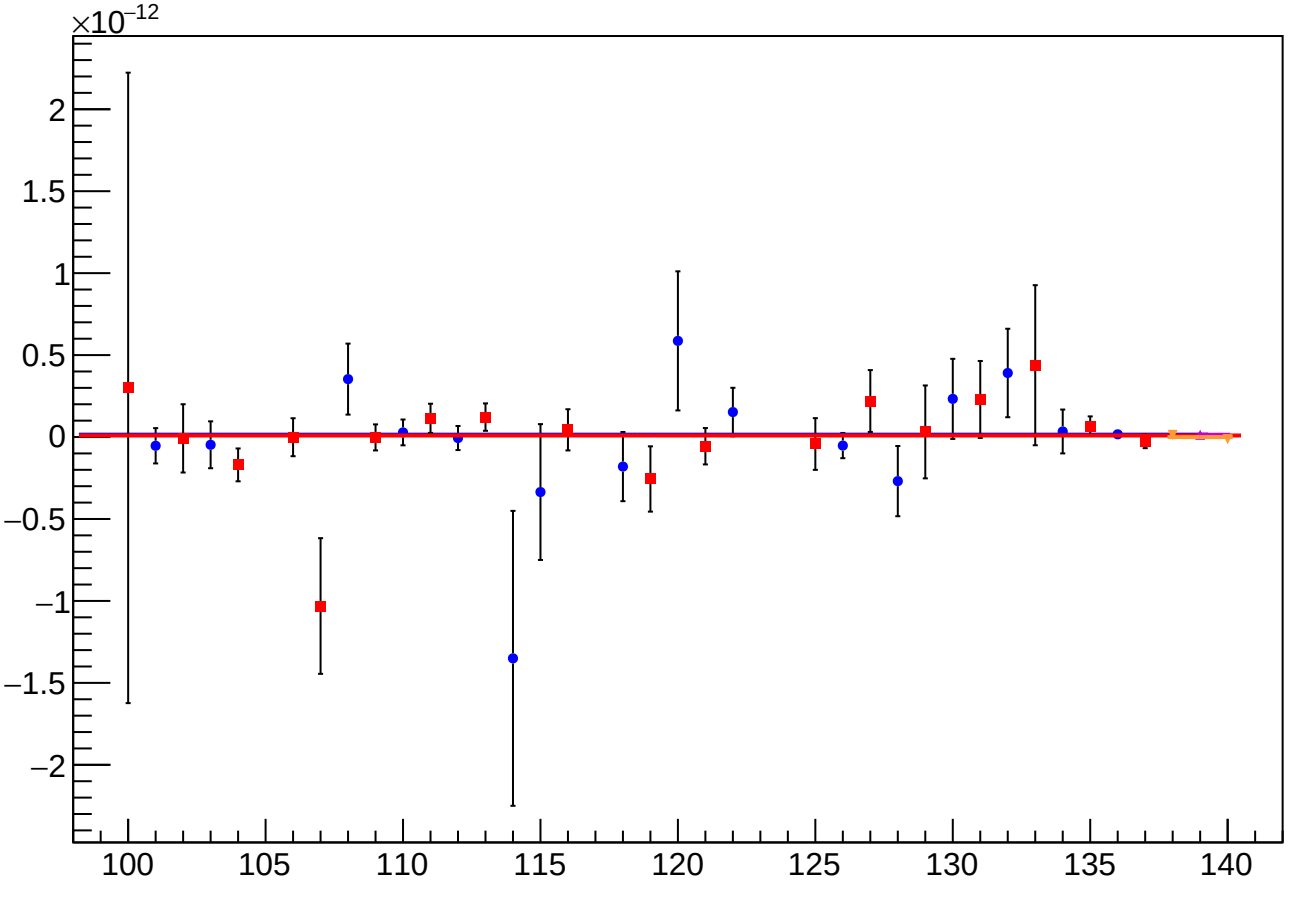
Left: 1958.868+/-0.881 χ^2/NDF: 473.9/2

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2267.601+/-0.573 χ^2/NDF:442368.5/16

Out: 2207.921+/-0.535 χ^2/NDF:531601.5/19

All: 2235.712+/-0.391 χ^2/NDF: 979771.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 1.2/2

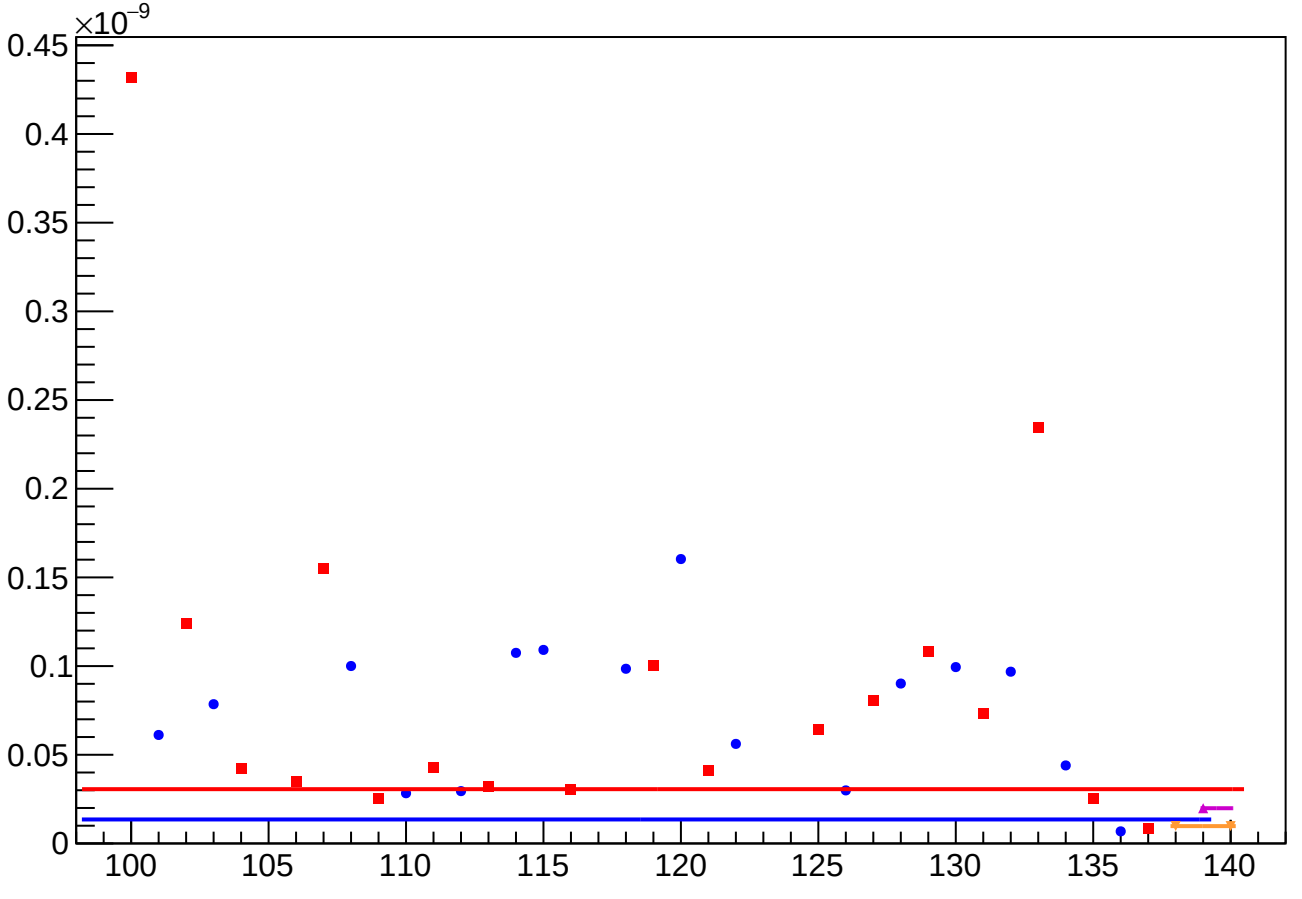
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:15.0/16

Out: 0.000+/-0.000 χ^2/NDF:20.7/19

All: 0.000+/-0.000 χ^2/NDF: 36.2/36

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 190383.6/2

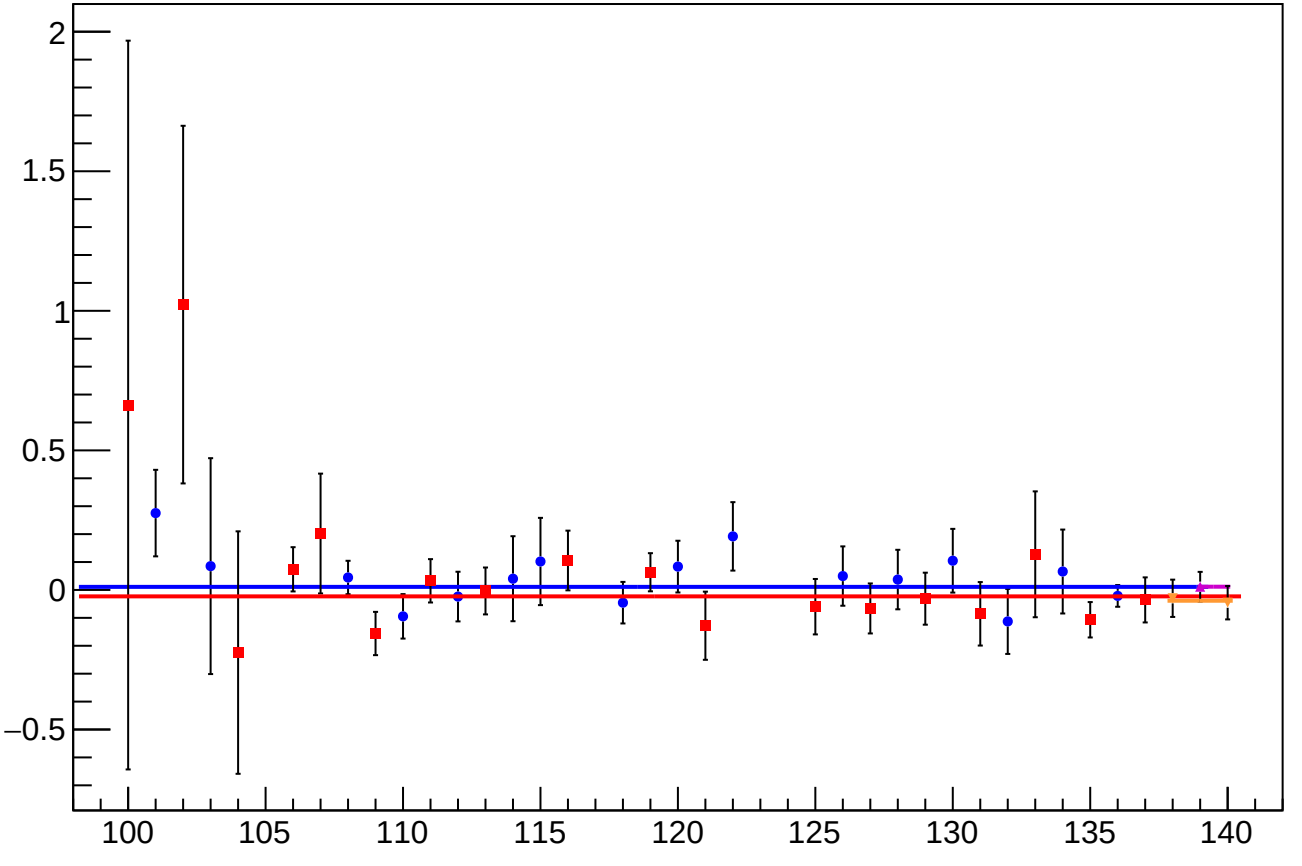
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:3489191.3/16

Out: 0.000+/-0.000 χ^2/NDF:3512104.3/19

All: 0.000+/-0.000 χ^2/NDF: 7001720.9/36

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.039+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.012+/-0.053 χ^2/NDF:0.0/0

Left: -0.018+/-0.034 χ^2/NDF: 0.6/2

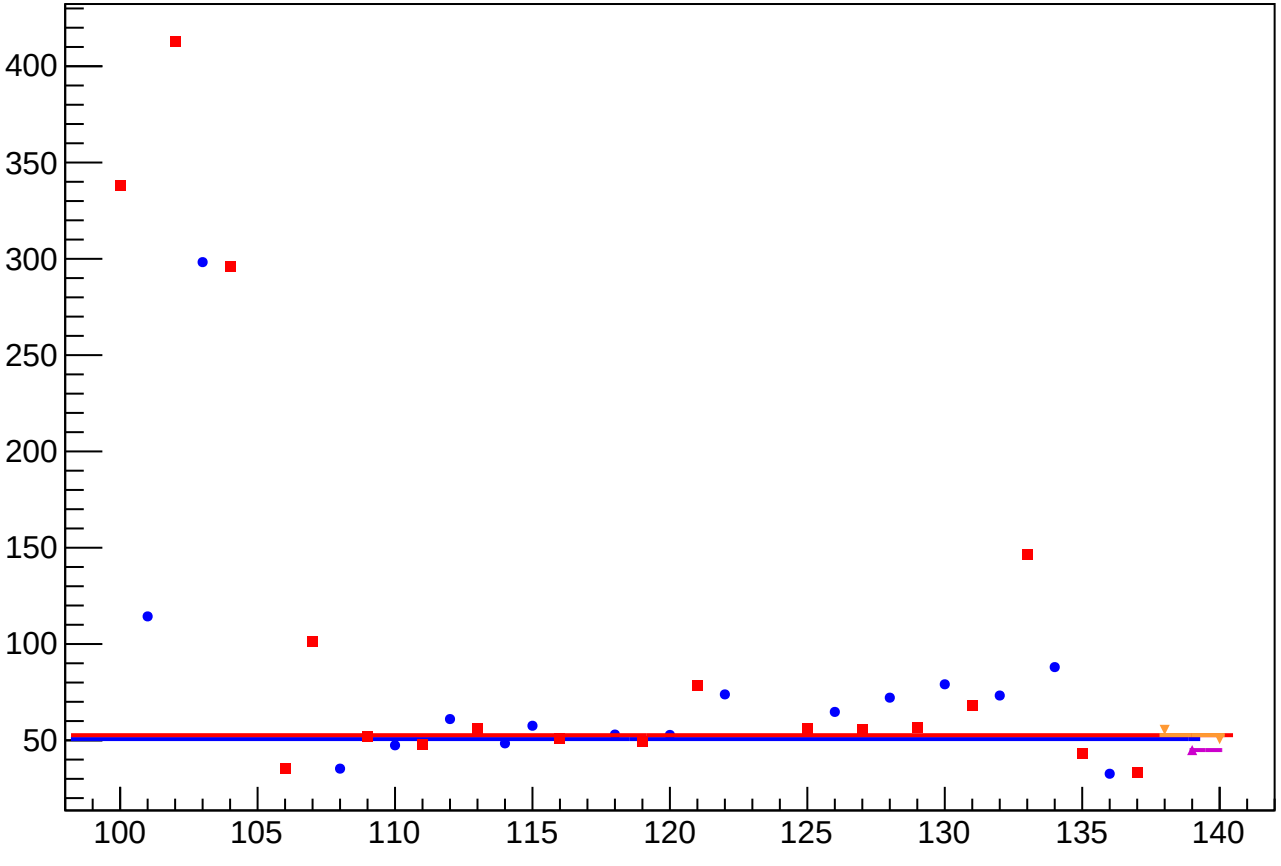
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.011+/-0.020 χ^2/NDF:11.7/16

Out: -0.026+/-0.021 χ^2/NDF:16.1/19

All: -0.007+/-0.014 χ^2/NDF: 29.5/36

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 52.743+/-0.032 χ^2/NDF:5831.7/1

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 44.937+/-0.038 χ^2/NDF:0.0/0

Left: 49.518+/-0.024 χ^2/NDF: 31158.4/2

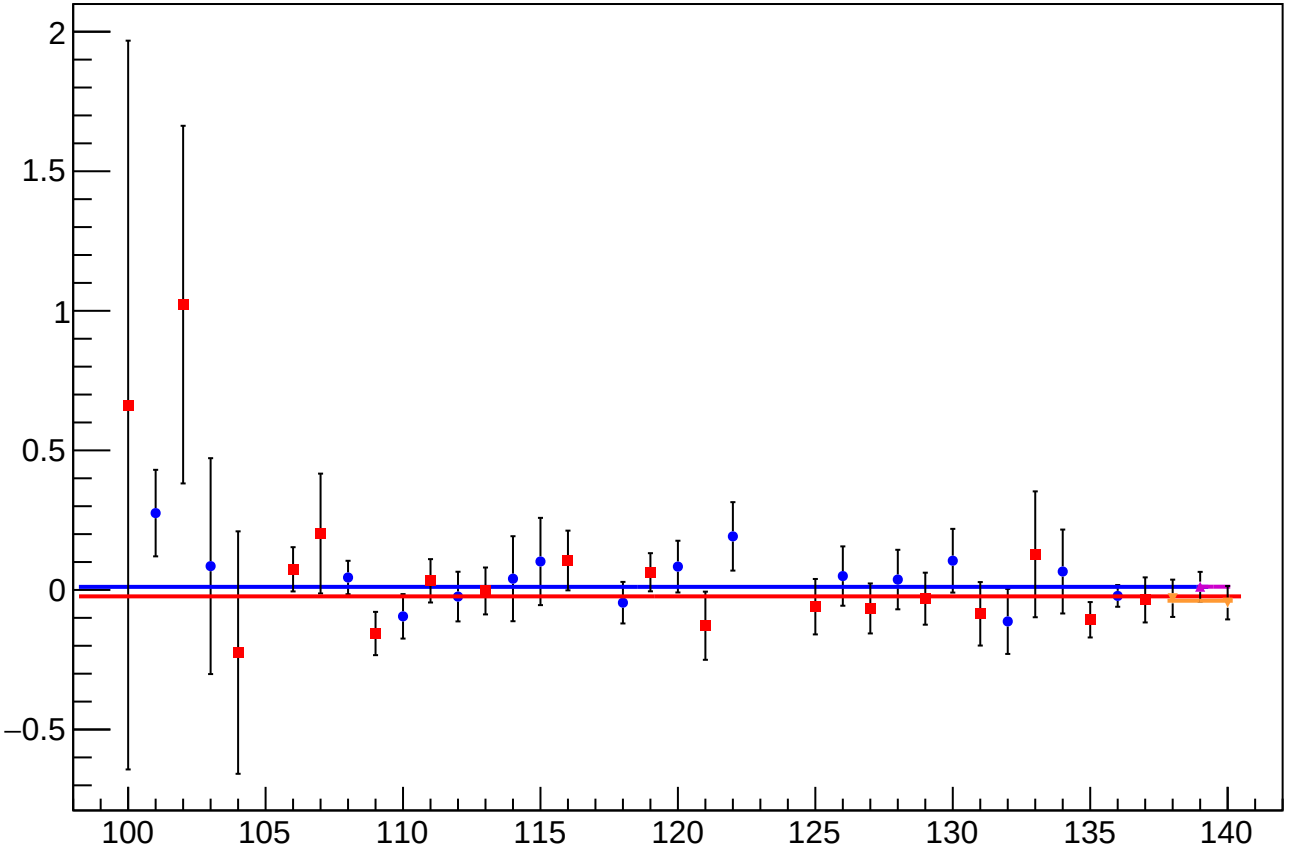
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 49.818+/-0.014 χ^2/NDF:2286180.2/16

Out: 52.682+/-0.015 χ^2/NDF:2217774.4/19

All: 51.230+/-0.010 χ^2/NDF: 4523716.3/36

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.039+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.012+/-0.053 χ^2/NDF:0.0/0

Left: -0.018+/-0.034 χ^2/NDF: 0.6/2

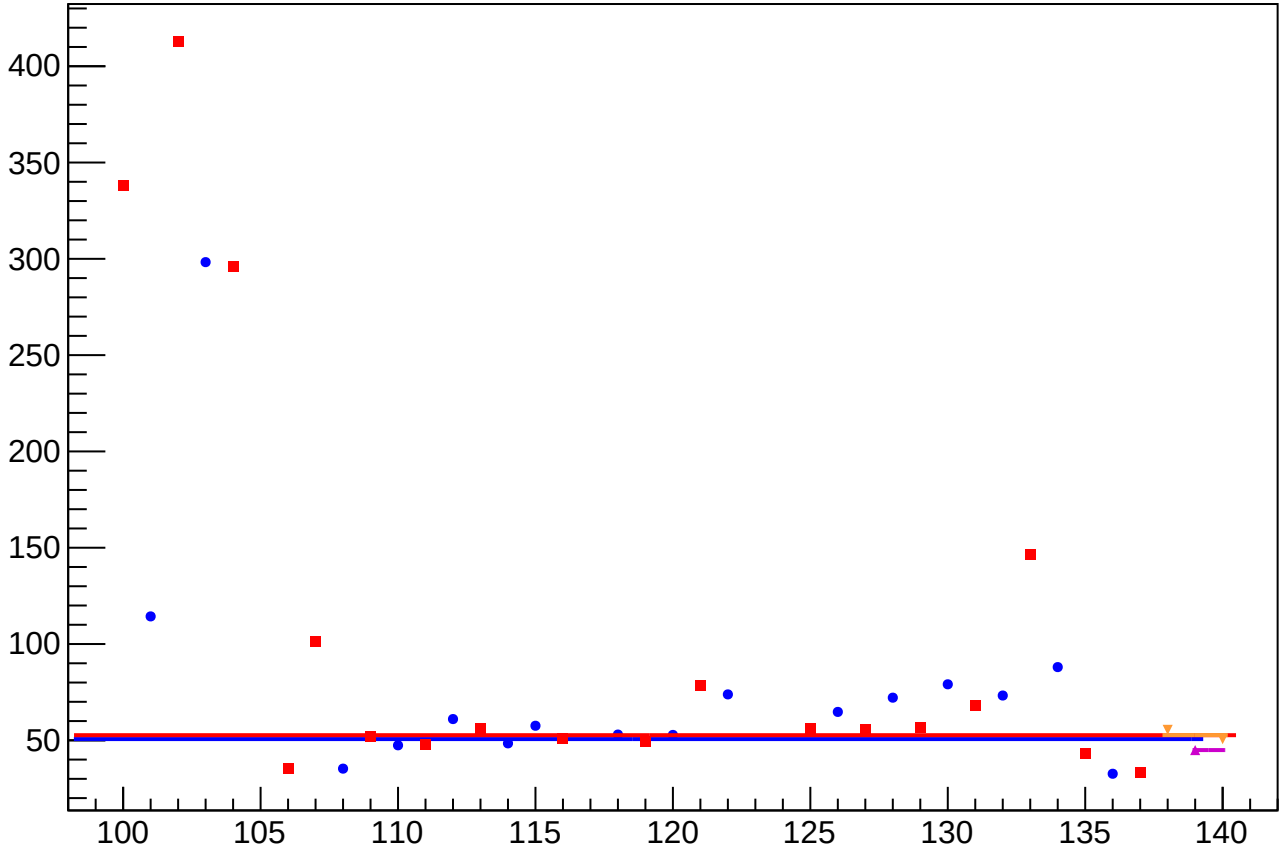
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.011+/-0.020 χ^2/NDF:11.7/16

Out: -0.026+/-0.021 χ^2/NDF:16.1/19

All: -0.007+/-0.014 χ^2/NDF: 29.5/36

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 52.743+/-0.032 χ^2/NDF:5831.7/1

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 44.937+/-0.038 χ^2/NDF:0.0/0

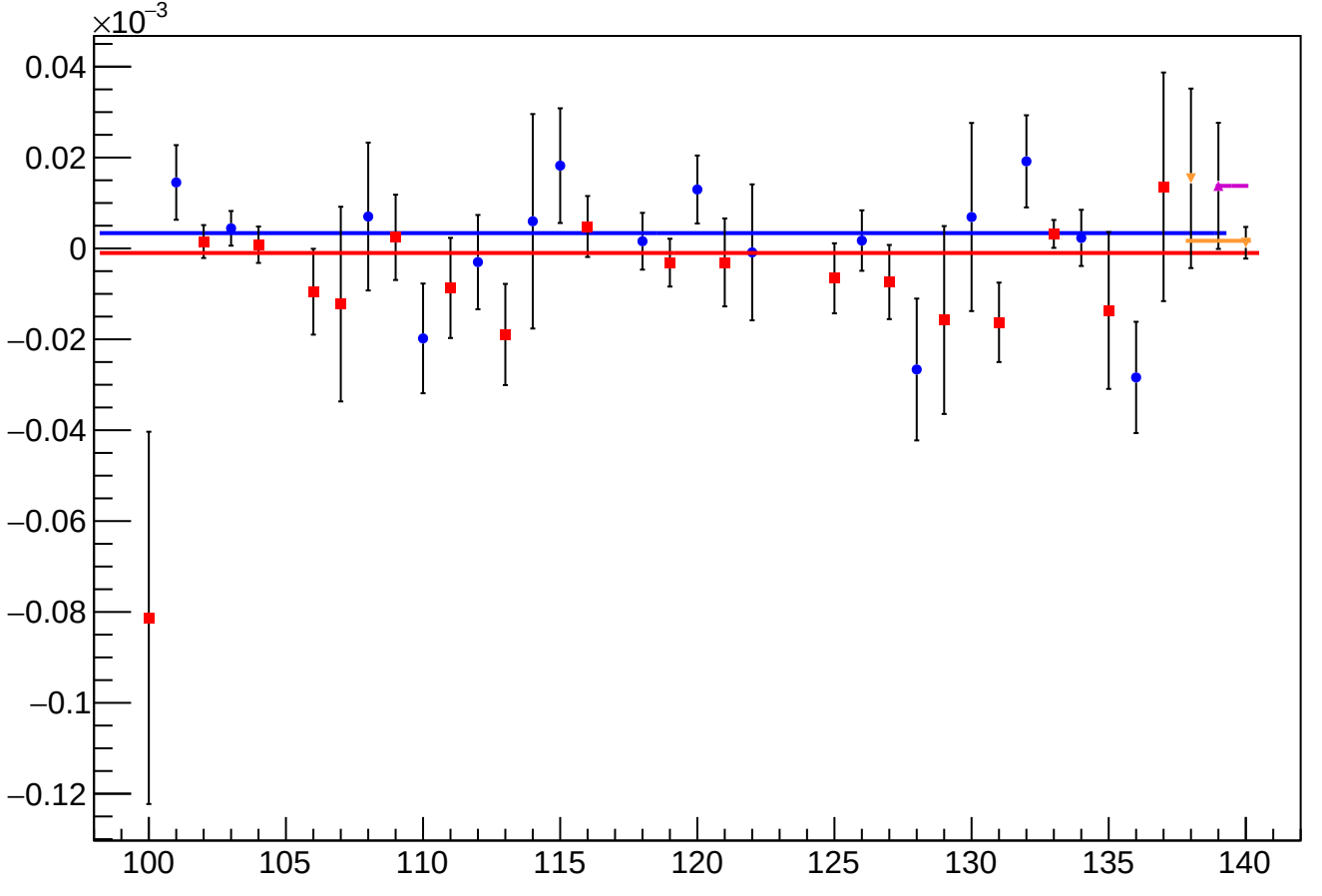
Left: 49.518+/-0.024 χ^2/NDF: 31158.4/2

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 49.818+/-0.014 χ^2/NDF:2286180.2/16

Out: 52.682+/-0.015 χ^2/NDF:2217774.4/19

All: 51.230+/-0.010 χ^2/NDF: 4523716.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 1.2/2

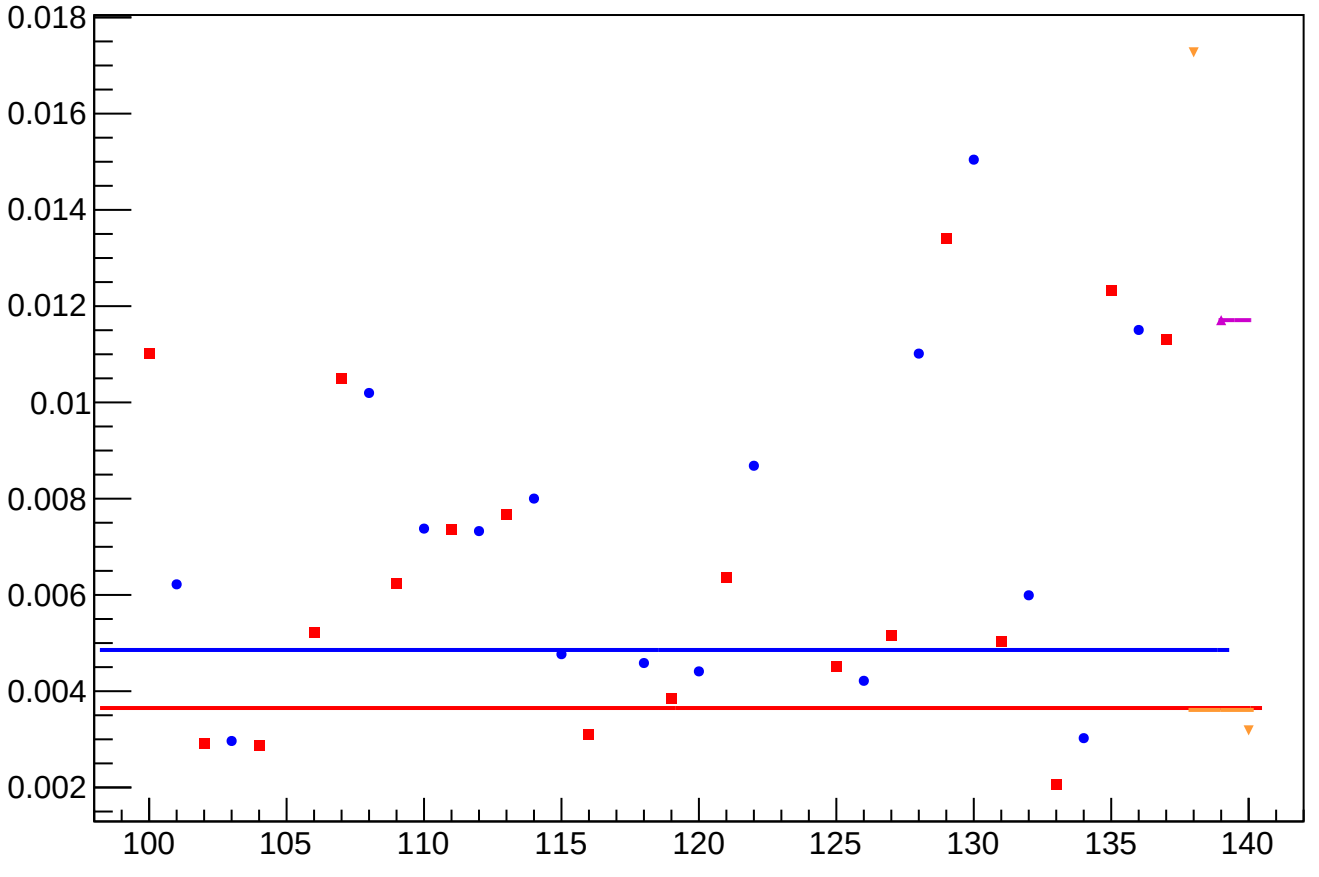
Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:22.8/16

Out: -0.000+/-0.000 χ^2/NDF:18.2/19

All: 0.000+/-0.000 χ^2/NDF: 43.7/36

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:986758.9/1

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.012+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 1628820.4/2

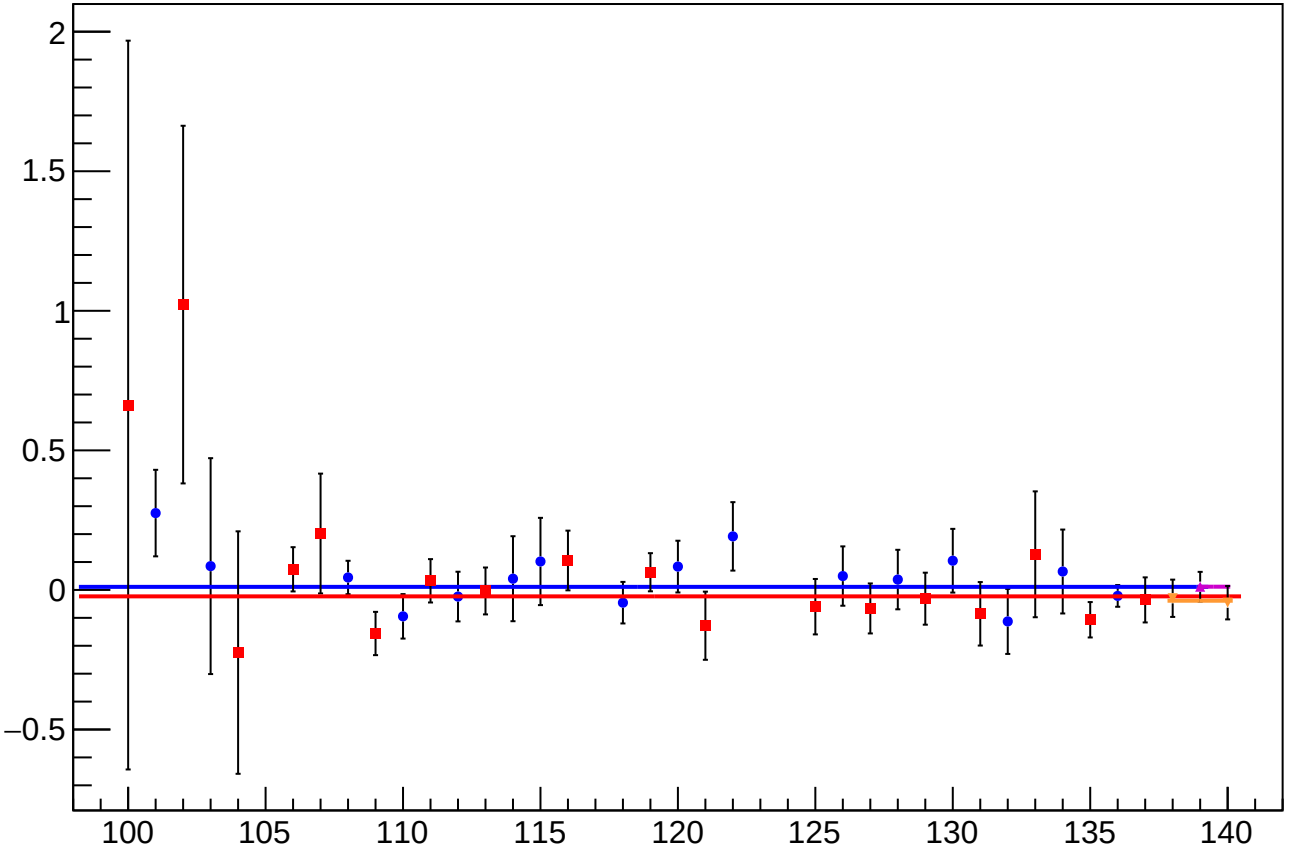
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.005+/-0.000 χ^2/NDF:3222212.6/16

Out: 0.004+/-0.000 χ^2/NDF:4095828.7/19

All: 0.004+/-0.000 χ^2/NDF: 7911707.6/36

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.039+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.012+/-0.053 χ^2/NDF:0.0/0

Left: -0.018+/-0.034 χ^2/NDF: 0.6/2

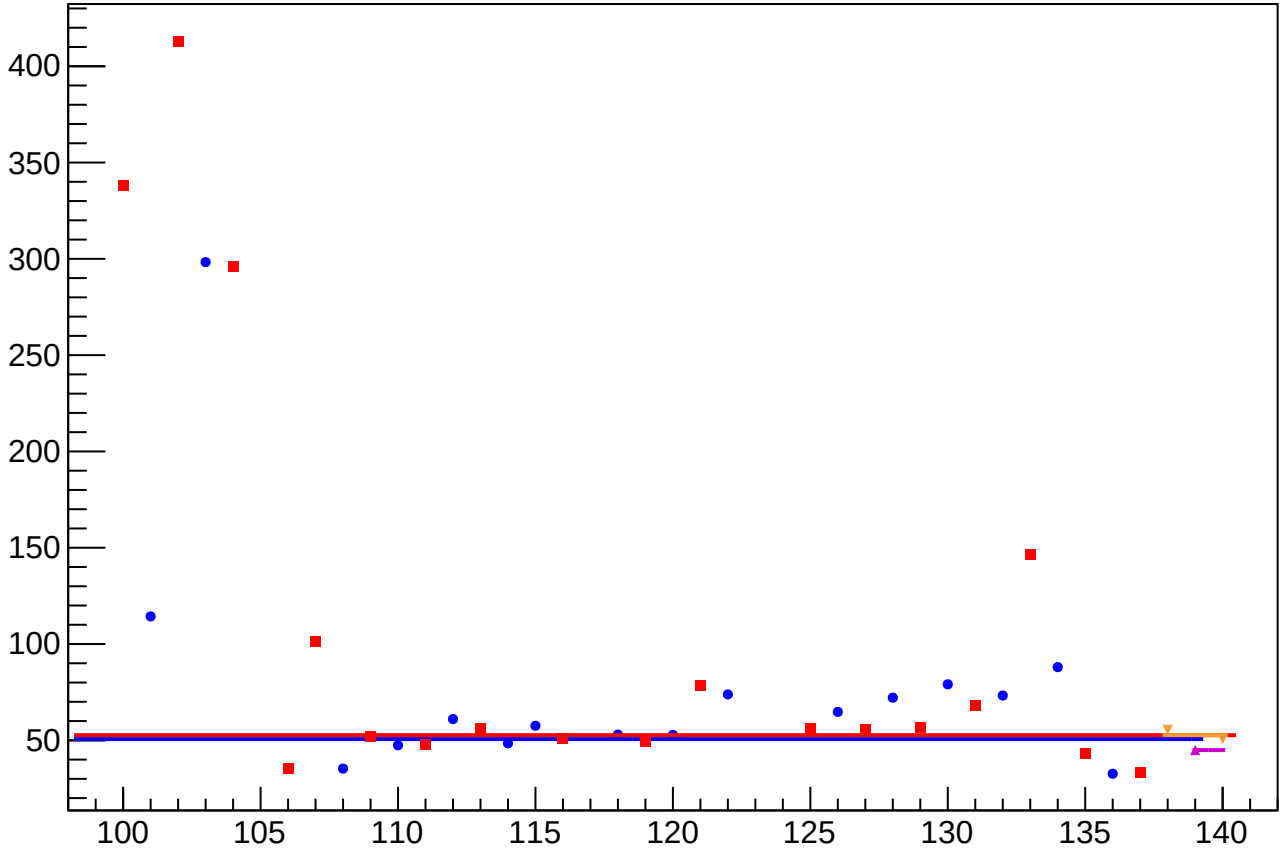
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.011+/-0.020 χ^2/NDF:11.7/16

Out: -0.026+/-0.021 χ^2/NDF:16.1/19

All: -0.007+/-0.014 χ^2/NDF: 29.5/36

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 52.744+/-0.032 χ^2/NDF:5833.7/1

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 44.939+/-0.038 χ^2/NDF:0.0/0

Left: 49.520+/-0.024 χ^2/NDF: 31153.7/2

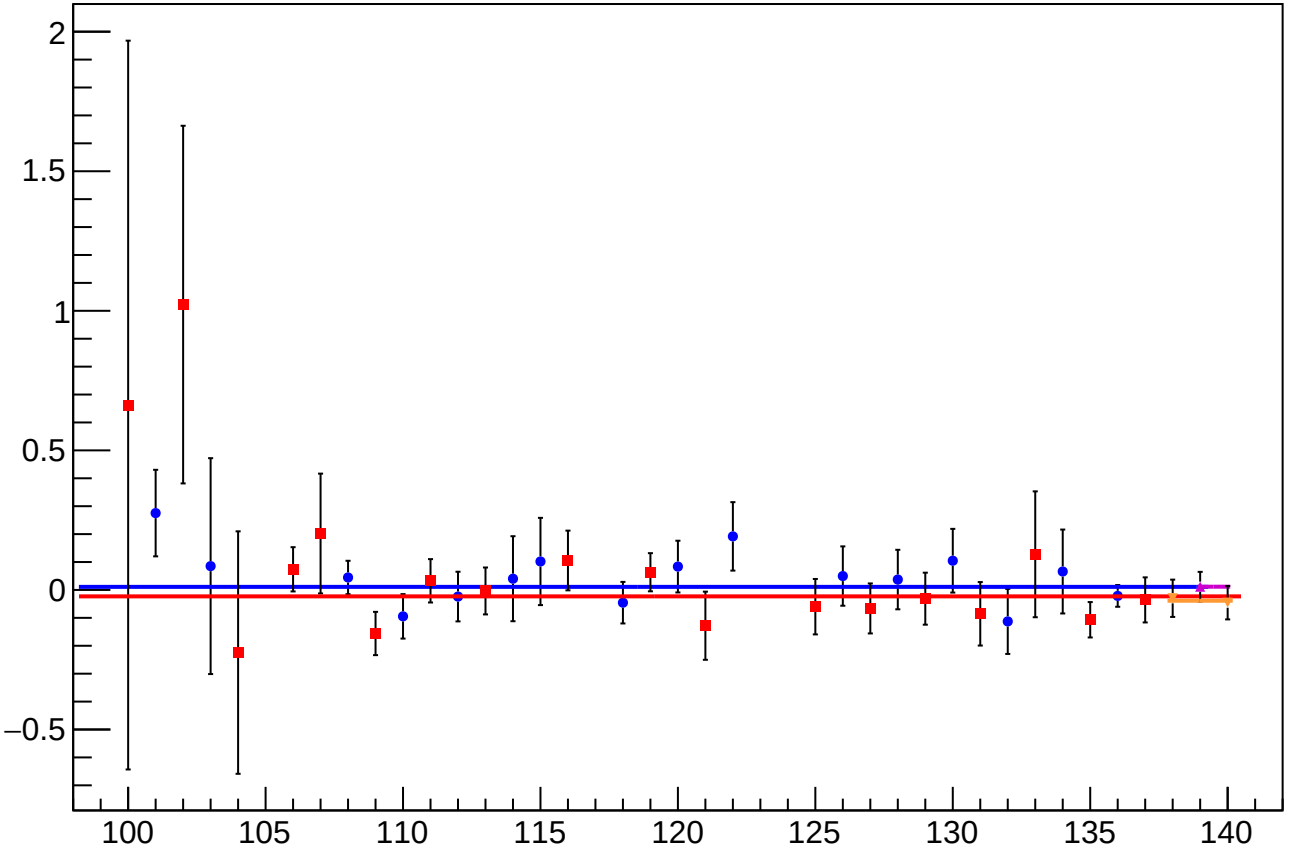
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 49.819+/-0.014 χ^2/NDF:2286070.1/16

Out: 52.683+/-0.015 χ^2/NDF:2217660.6/19

All: 51.231+/-0.010 χ^2/NDF: 4523494.3/36

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.039+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.012+/-0.053 χ^2/NDF:0.0/0

Left: -0.018+/-0.034 χ^2/NDF: 0.6/2

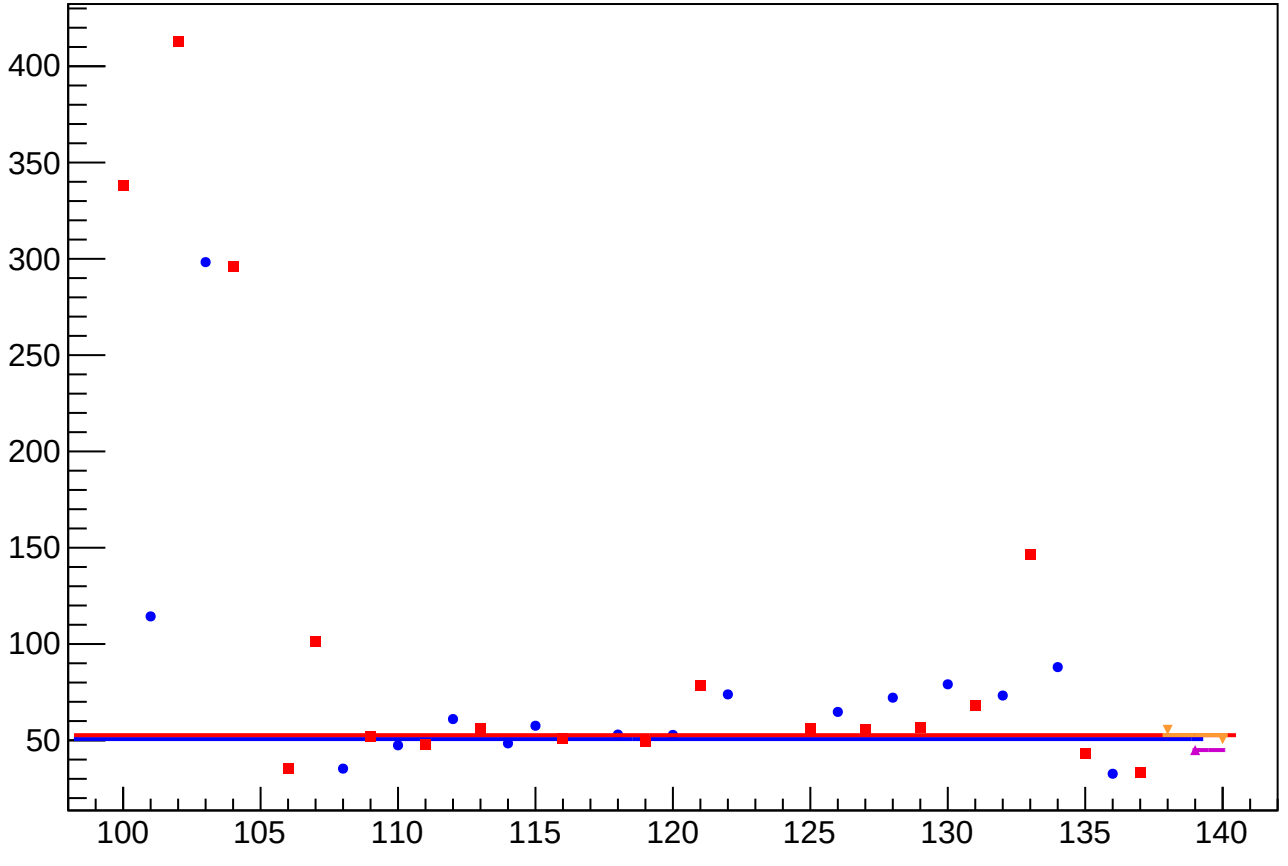
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.011+/-0.020 χ^2/NDF:11.7/16

Out: -0.026+/-0.021 χ^2/NDF:16.1/19

All: -0.007+/-0.014 χ^2/NDF: 29.5/36

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 52.744+/-0.032 χ^2/NDF:5833.7/1

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 44.939+/-0.038 χ^2/NDF:0.0/0

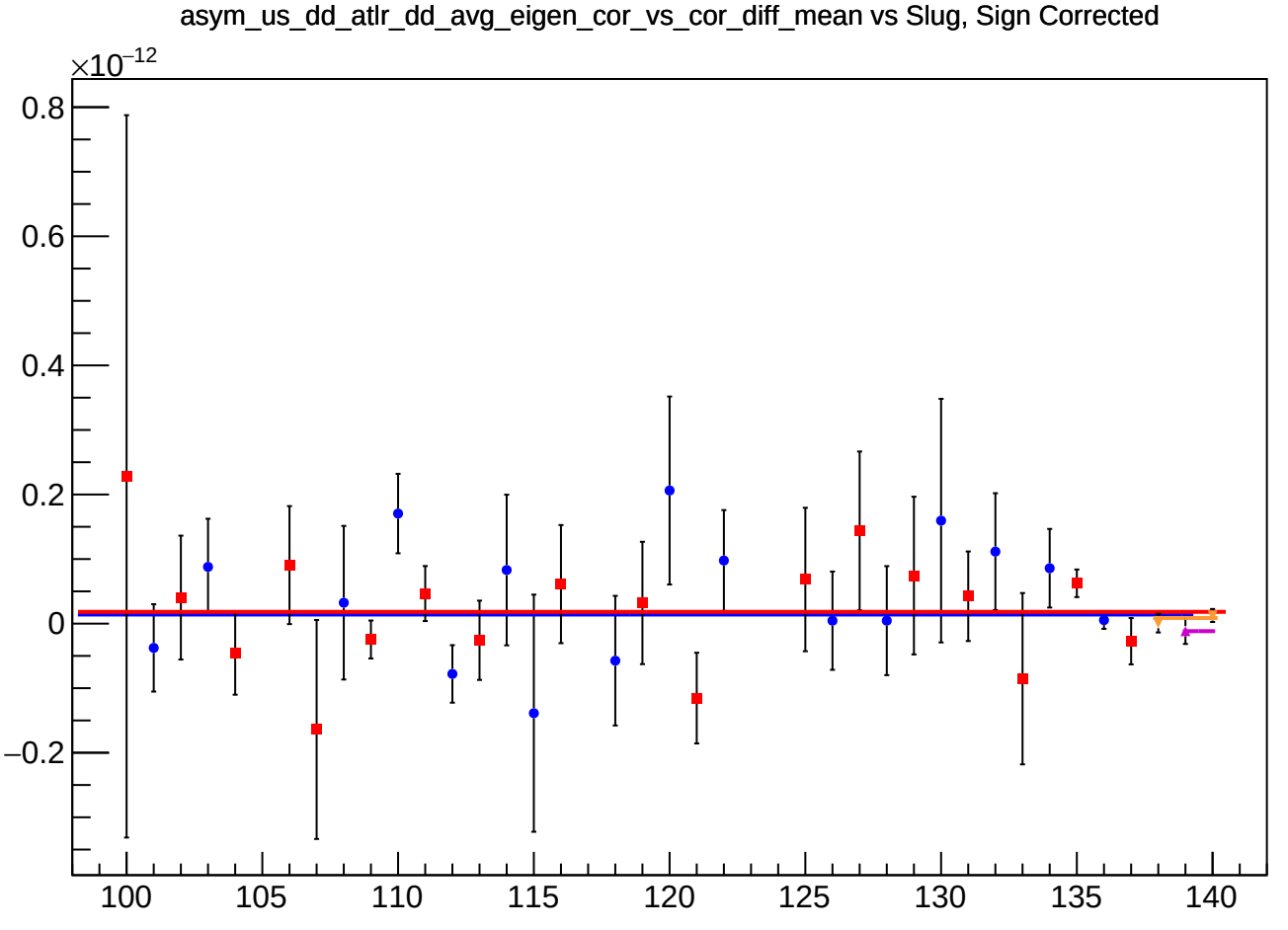
Left: 49.520+/-0.024 χ^2/NDF: 31153.7/2

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 49.819+/-0.014 χ^2/NDF:2286070.1/16

Out: 52.683+/-0.015 χ^2/NDF:2217660.6/19

All: 51.231+/-0.010 χ^2/NDF: 4523494.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

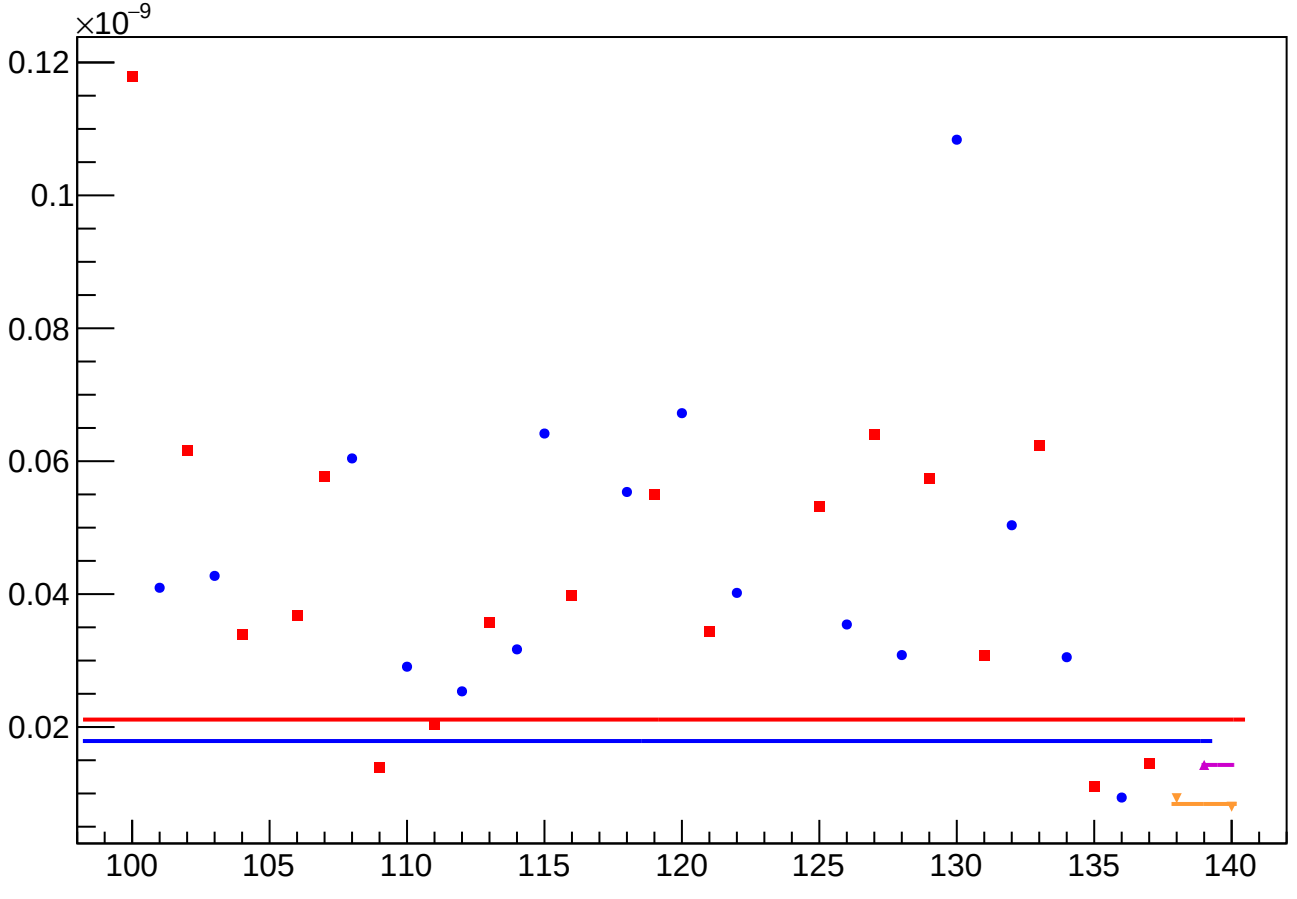
Left: 0.000+/-0.000 χ^2/NDF: 1.4/2

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:21.6/16

Out: 0.000+/-0.000 χ^2/NDF:18.9/19

All: 0.000+/-0.000 χ^2/NDF: 40.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10618.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 160943.0/2

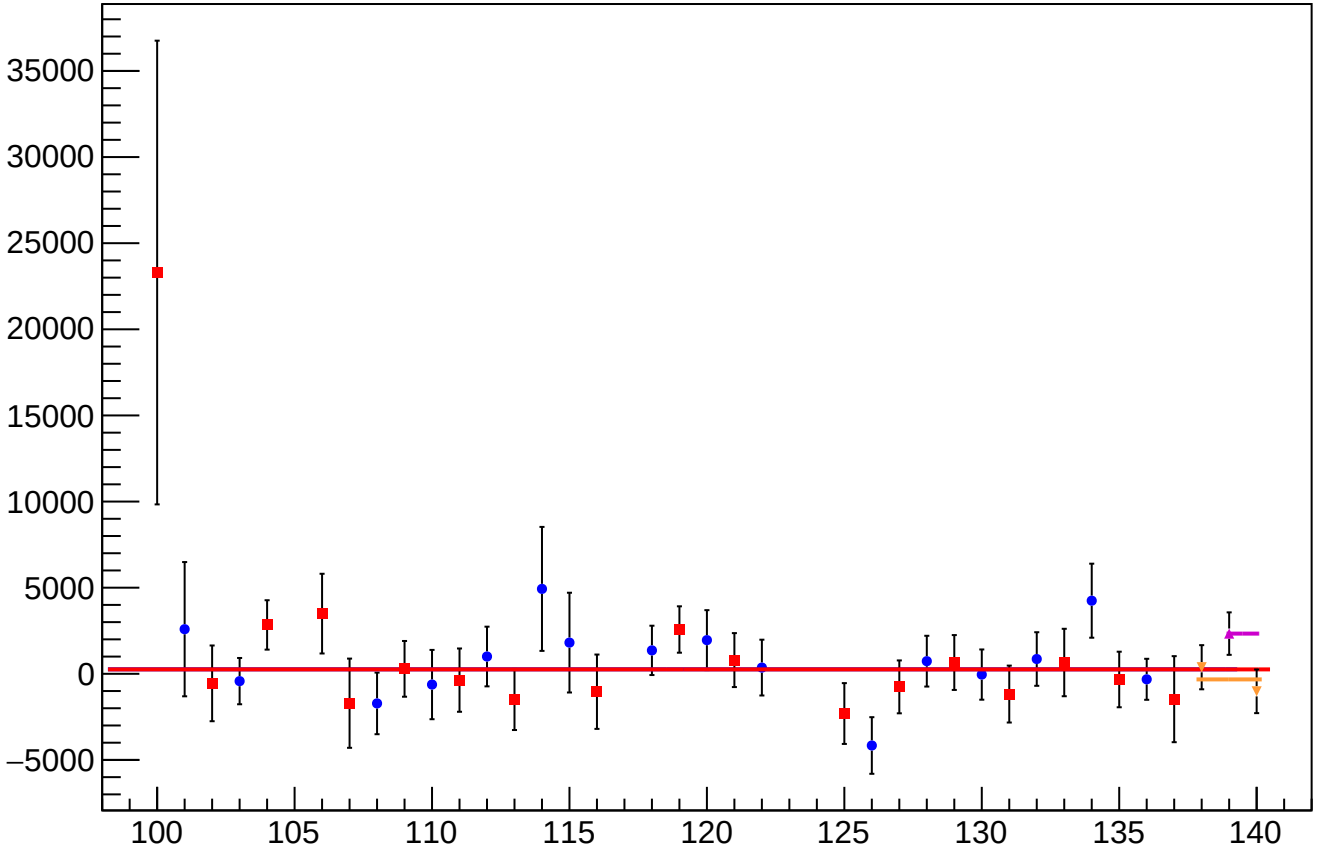
Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:3448328.5/16

Out: 0.000+/-0.000 χ^2/NDF:4064406.5/19

All: 0.000+/-0.000 χ^2/NDF: 7825054.2/36

reg_asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -325.211+/-900.824 χ^2/NDF:0.6/1

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 2333.738+/-1232.792 χ^2/NDF:0.0/0

Left: 600.337+/-727.335 χ^2/NDF: 3.6/2

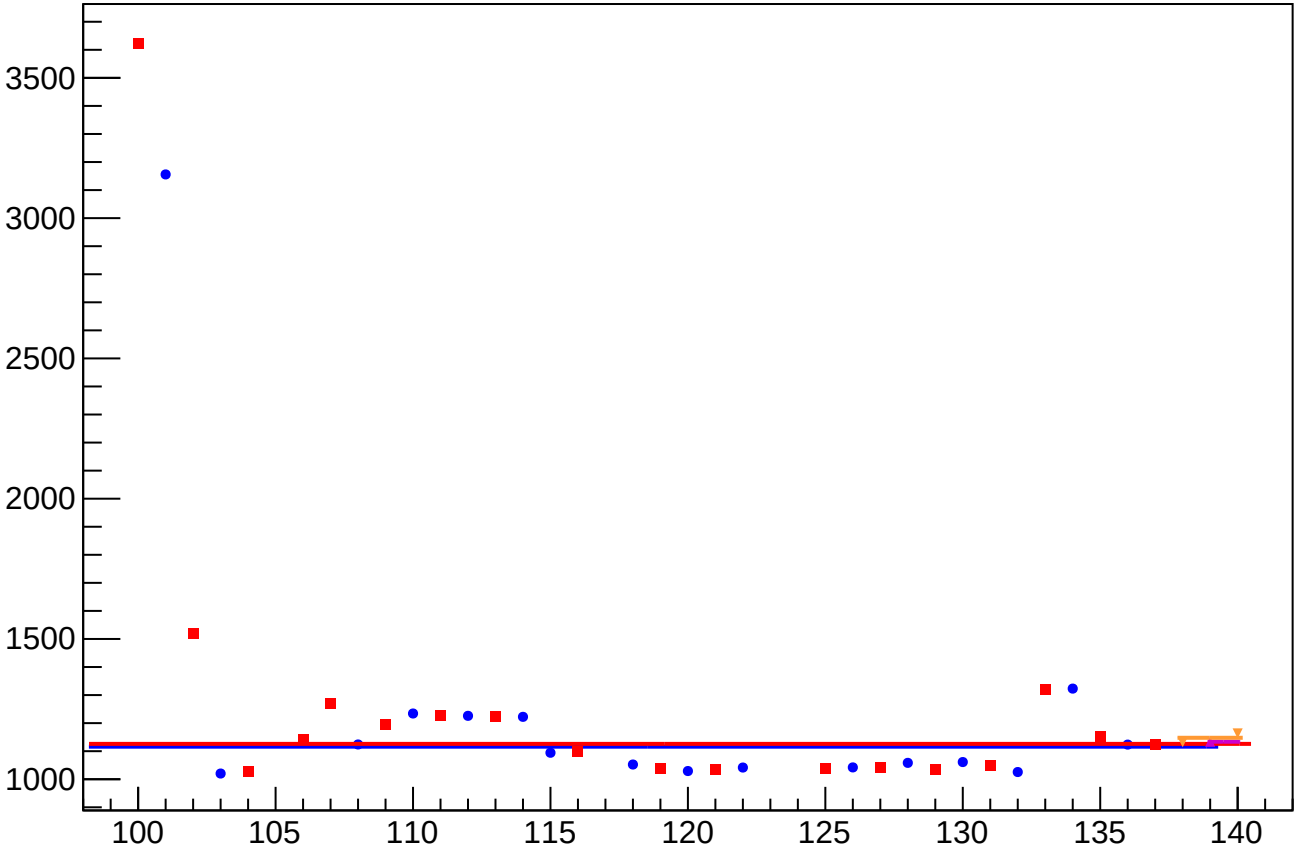
Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 480.677+/-401.504 χ^2/NDF:19.5/16

Out: 149.810+/-384.950 χ^2/NDF:18.3/19

All: 308.282+/-277.869 χ^2/NDF: 38.1/36

reg_asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1147.764+/-0.637 χ^2/NDF:610.3/1

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1133.761+/-0.872 χ^2/NDF:0.0/0

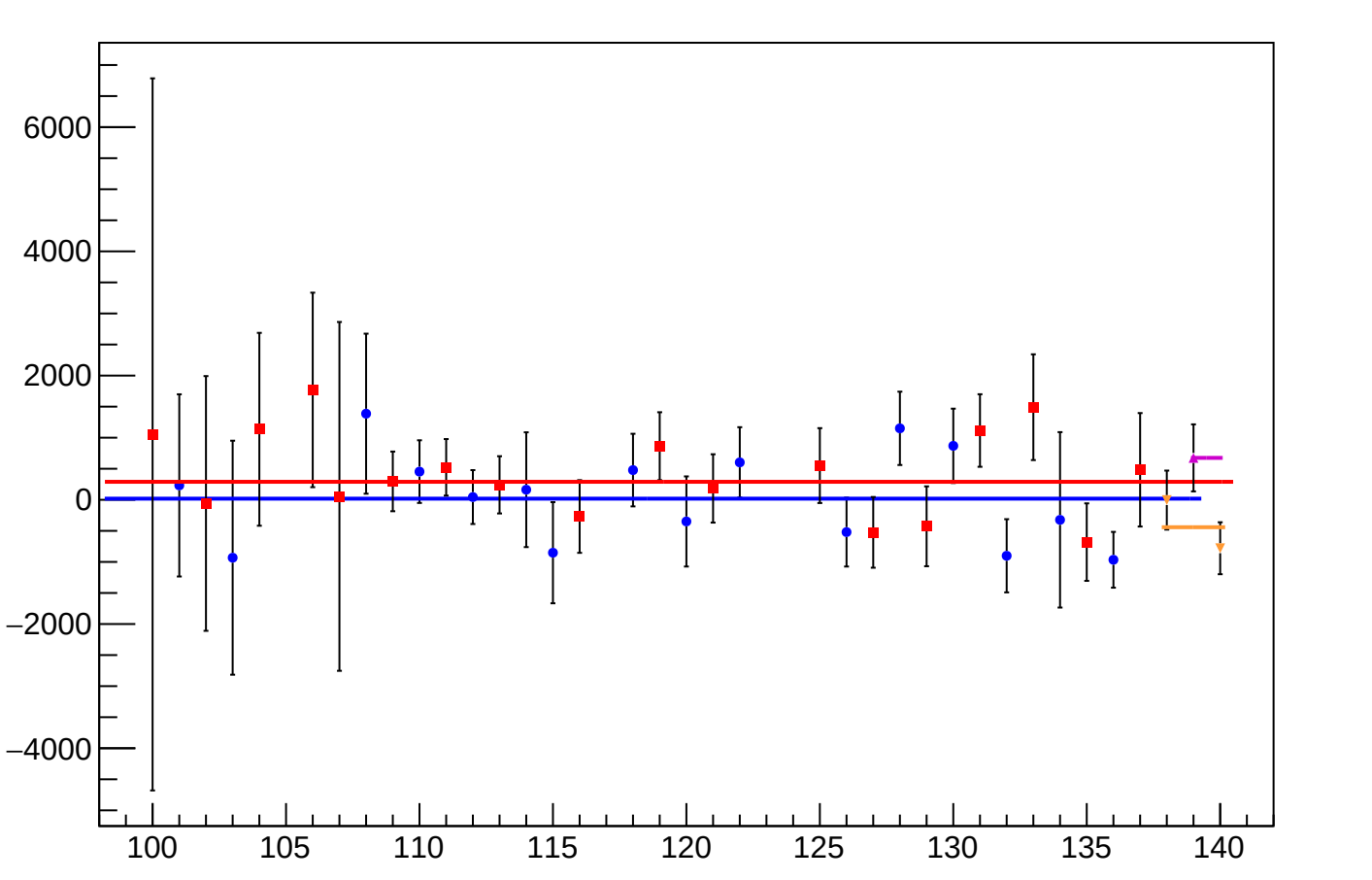
Left: 1142.889+/-0.514 χ^2/NDF: 778.5/2

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1117.964+/-0.284 χ^2/NDF:623758.2/16

Out: 1129.987+/-0.272 χ^2/NDF:223669.1/19

All: 1124.228+/-0.196 χ^2/NDF: 848361.8/36



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -441.321+/-313.952 χ^2/NDF:1.5/1

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 674.992+/-539.598 χ^2/NDF:0.0/0

Left: -158.998+/-271.363 χ^2/NDF: 4.7/2

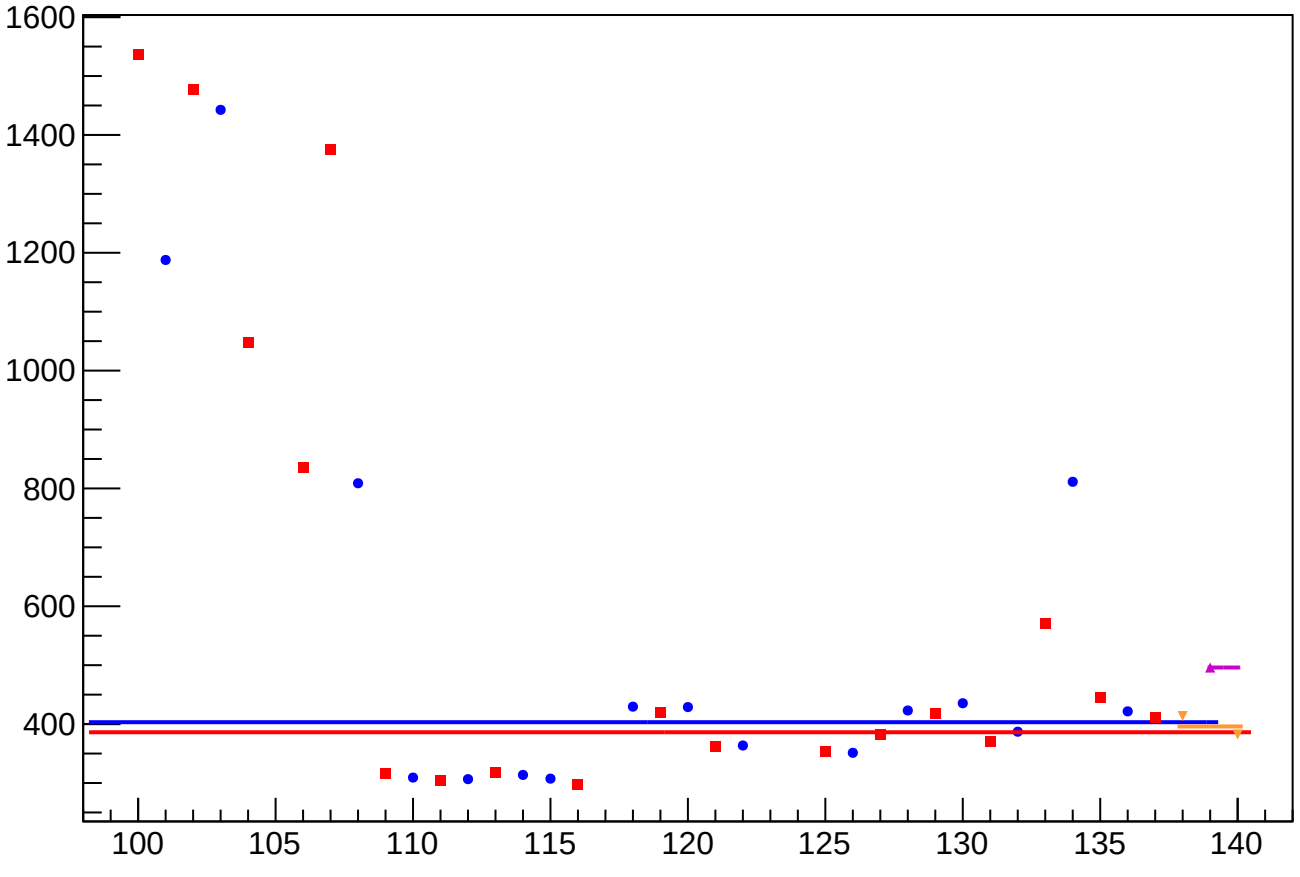
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 72.282+/-154.488 χ^2/NDF:20.5/16

Out: 144.865+/-139.840 χ^2/NDF:19.3/19

All: 112.177+/-103.674 χ^2/NDF: 40.0/36

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: 395.981+/-0.222 χ^2/NDF:4869.3/1

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 496.012+/-0.382 χ^2/NDF:0.0/0

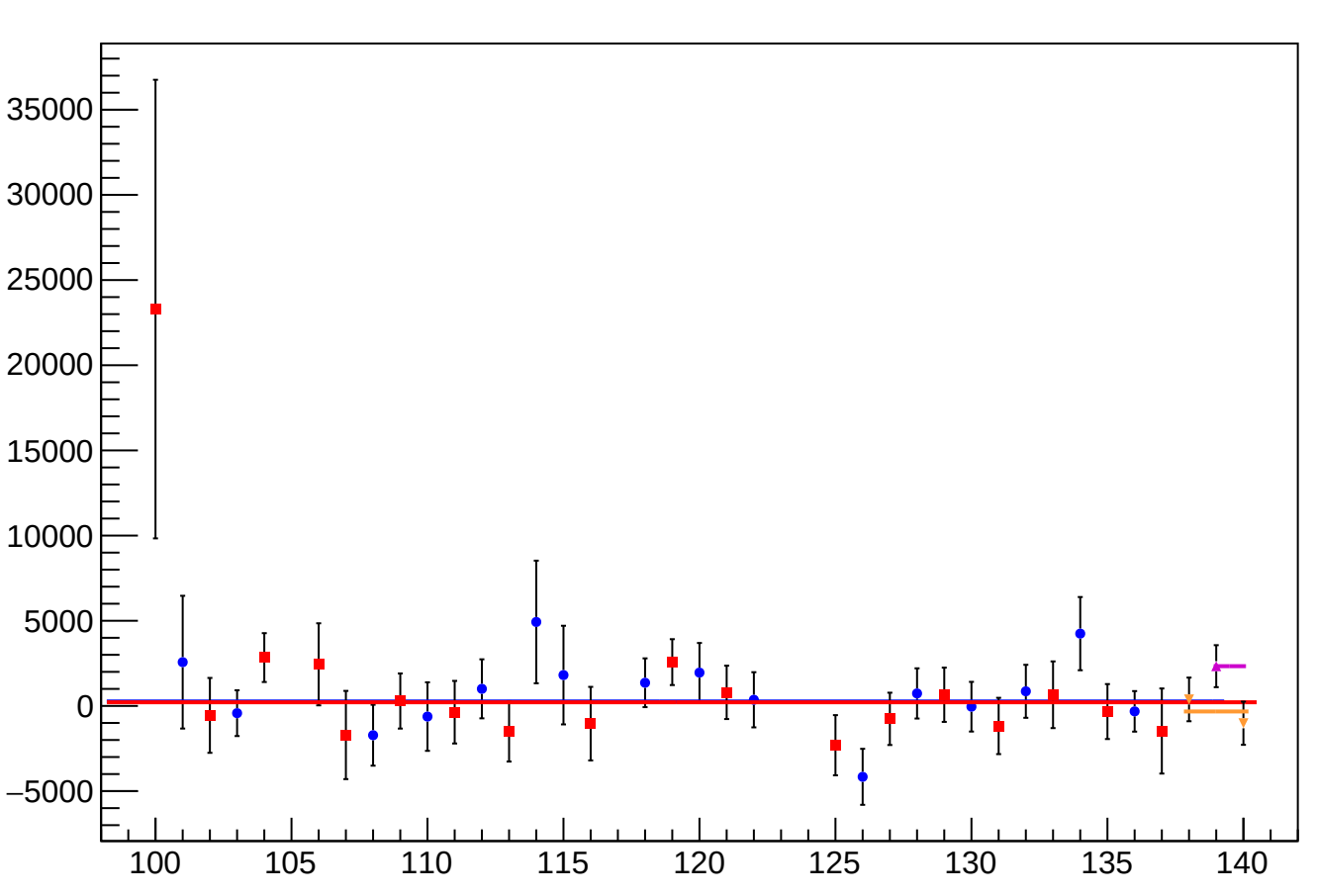
Left: 421.280+/-0.192 χ^2/NDF: 56218.9/2

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 410.802+/-0.109 χ^2/NDF:1862759.0/16

Out: 388.097+/-0.099 χ^2/NDF:1765556.4/19

All: 398.323+/-0.073 χ^2/NDF: 3652060.2/36



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -325.186+/-900.824 χ^2/NDF:0.6/1

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 2333.817+/-1232.792 χ^2/NDF:0.0/0

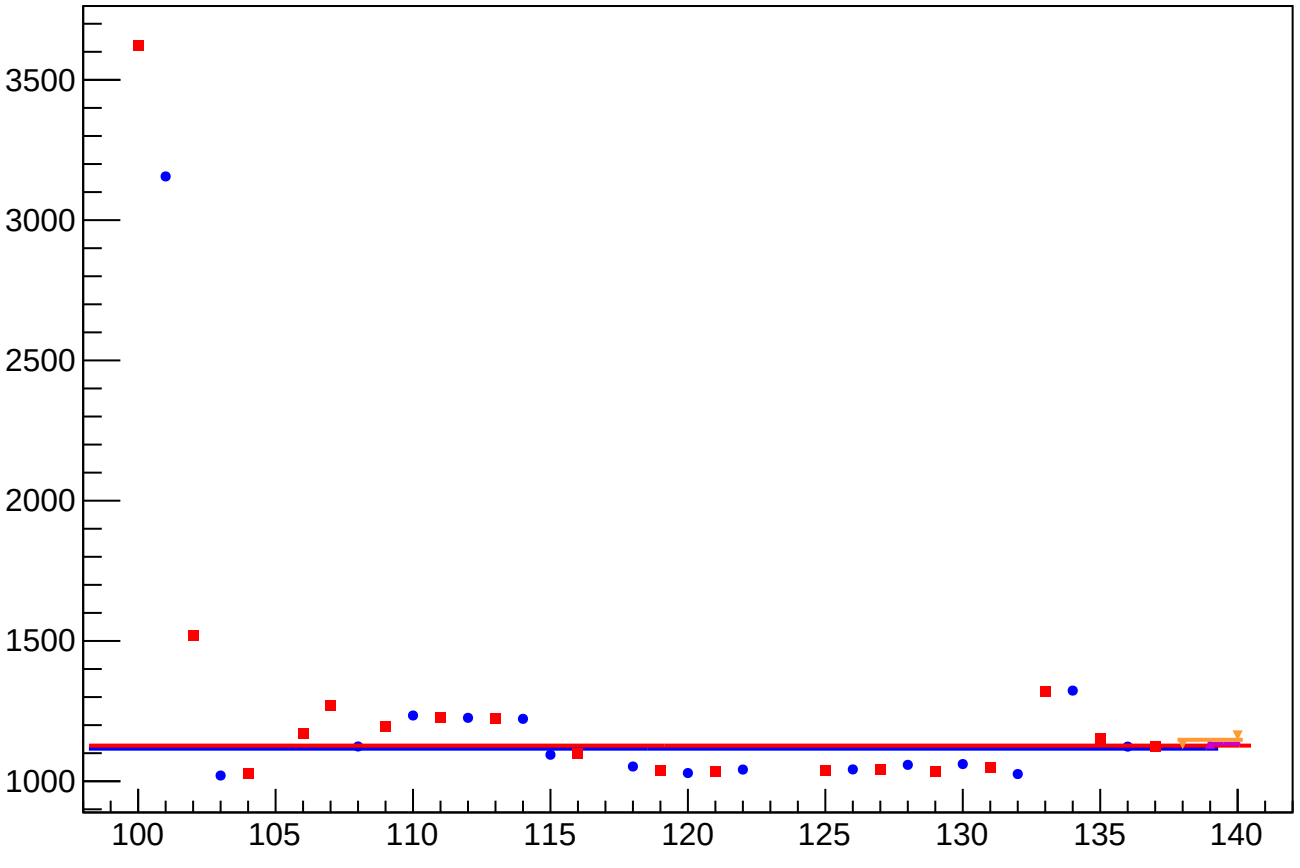
Left: 600.380+/-727.335 χ^2/NDF: 3.6/2

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 480.344+/-401.504 χ^2/NDF:19.5/16

Out: 115.737+/-385.361 χ^2/NDF:17.1/19

All: 290.564+/-278.023 χ^2/NDF: 37.0/36



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1147.764+/-0.637 χ^2/NDF:610.3/1

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1133.761+/-0.872 χ^2/NDF:0.0/0

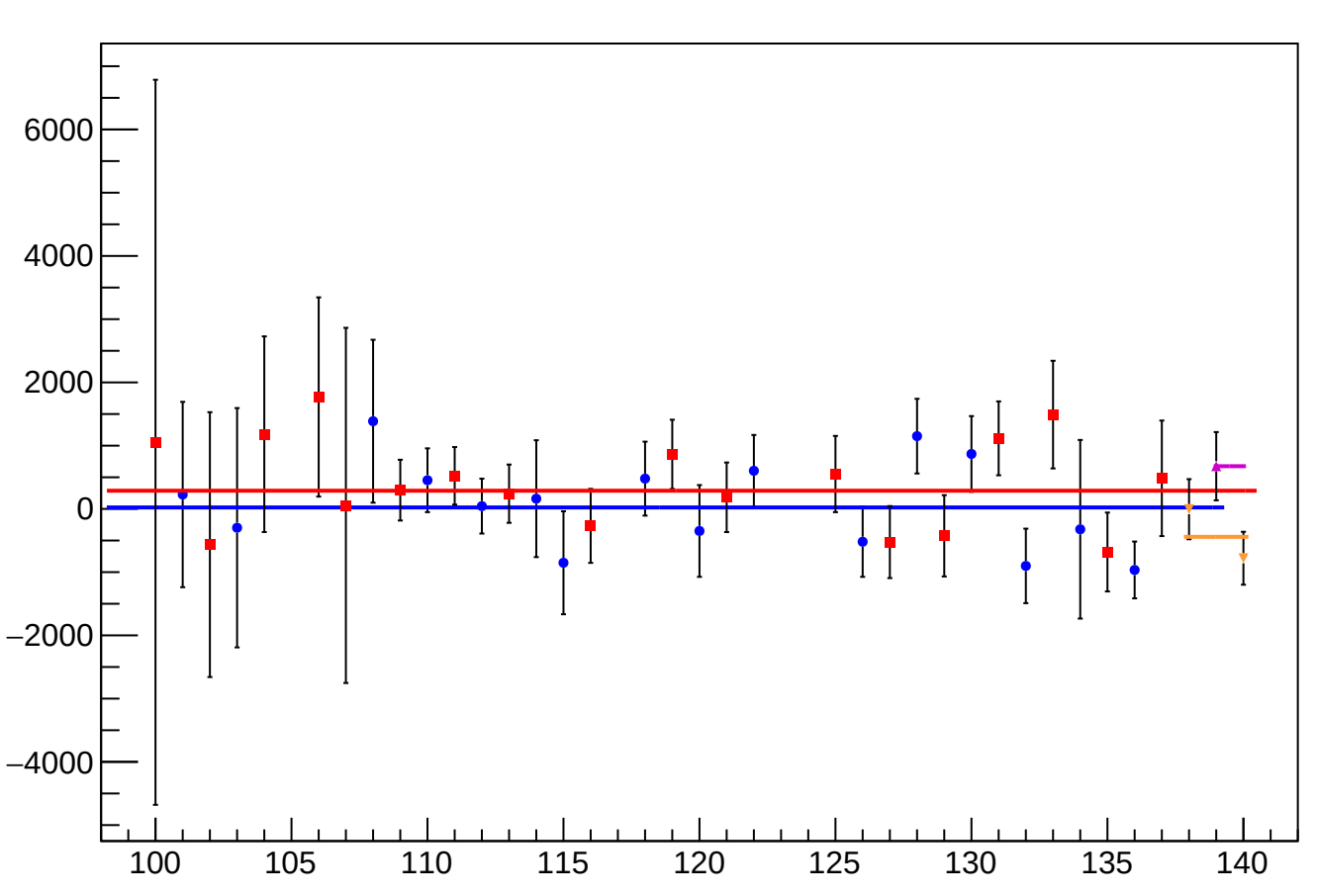
Left: 1142.889+/-0.514 χ^2/NDF: 778.5/2

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1117.963+/-0.284 χ^2/NDF:623759.3/16

Out: 1130.767+/-0.272 χ^2/NDF:224221.9/19

All: 1124.628+/-0.197 χ^2/NDF: 849039.8/36



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -441.578+/-313.946 χ^2/NDF:1.5/1

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 675.131+/-539.583 χ^2/NDF:0.0/0

Left: -159.151+/-271.357 χ^2/NDF: 4.7/2

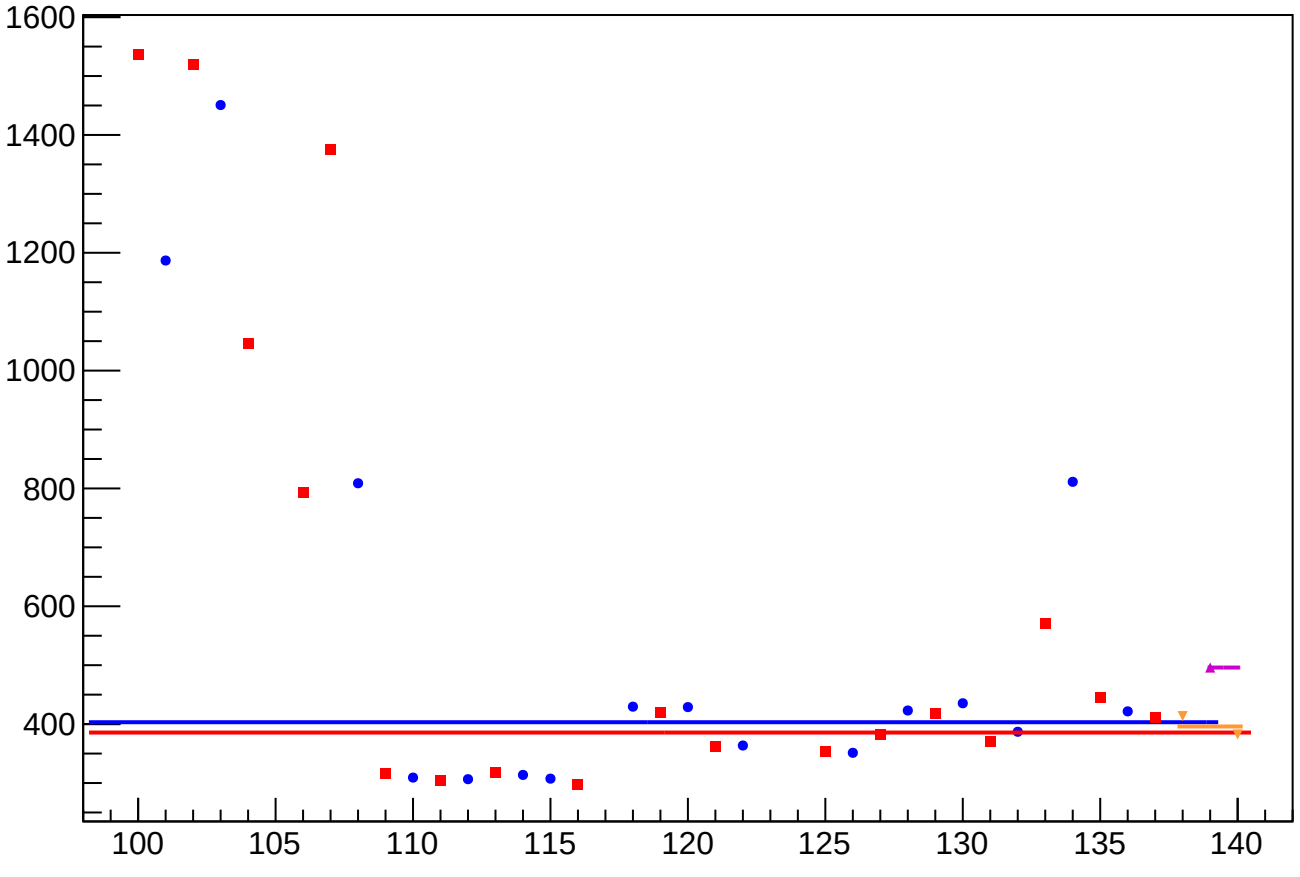
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 76.387+/-154.488 χ^2/NDF:20.3/16

Out: 142.906+/-139.856 χ^2/NDF:19.5/19

All: 112.945+/-103.681 χ^2/NDF: 39.9/36

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 395.974+/-0.222 χ^2/NDF:4871.7/1

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 495.998+/-0.382 χ^2/NDF:0.0/0

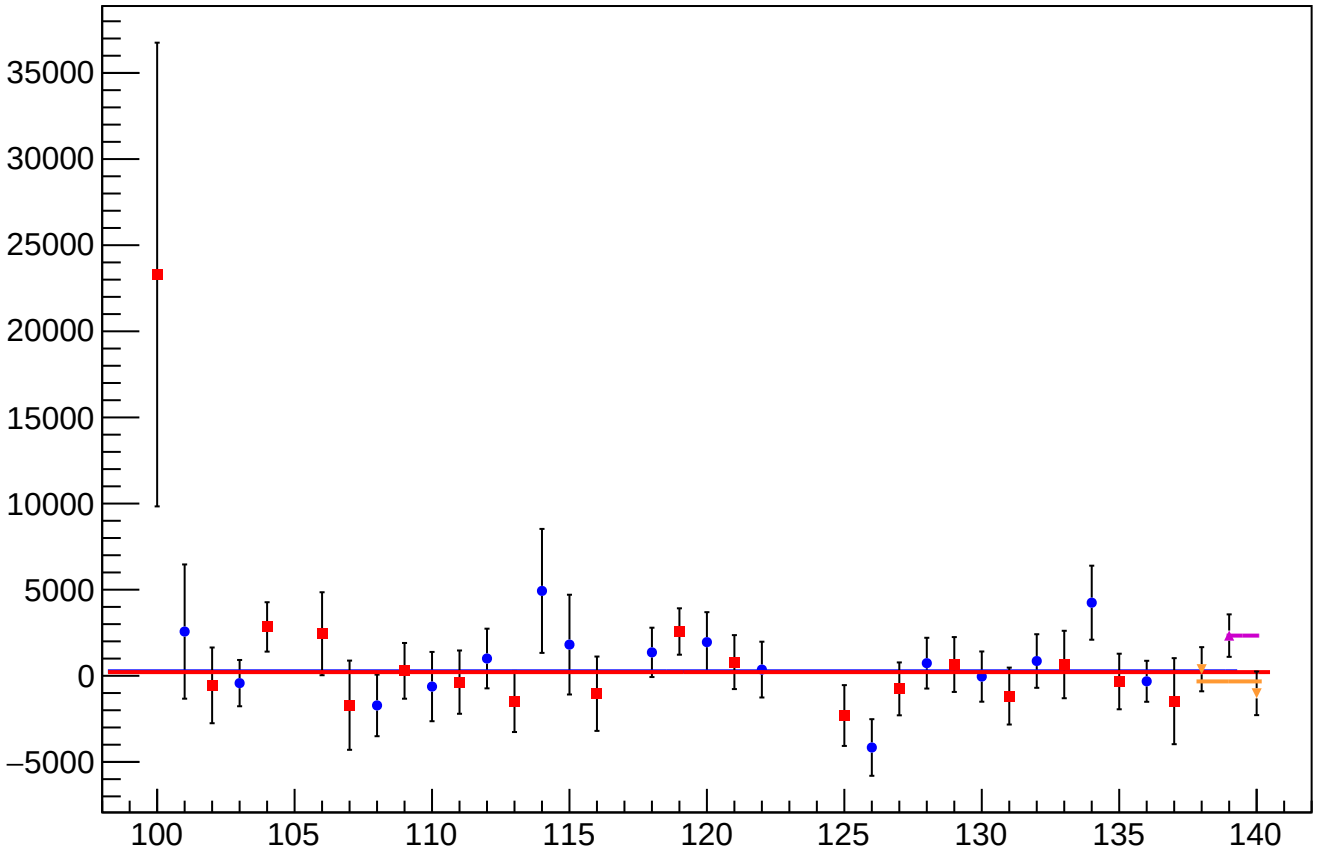
Left: 421.271+/-0.192 χ^2/NDF: 56216.0/2

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 410.791+/-0.109 χ^2/NDF:1866437.2/16

Out: 387.724+/-0.099 χ^2/NDF:1753746.9/19

All: 398.113+/-0.073 χ^2/NDF: 3644688.5/36



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -325.186+/-900.824 χ^2/NDF:0.6/1

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 2333.817+/-1232.792 χ^2/NDF:0.0/0

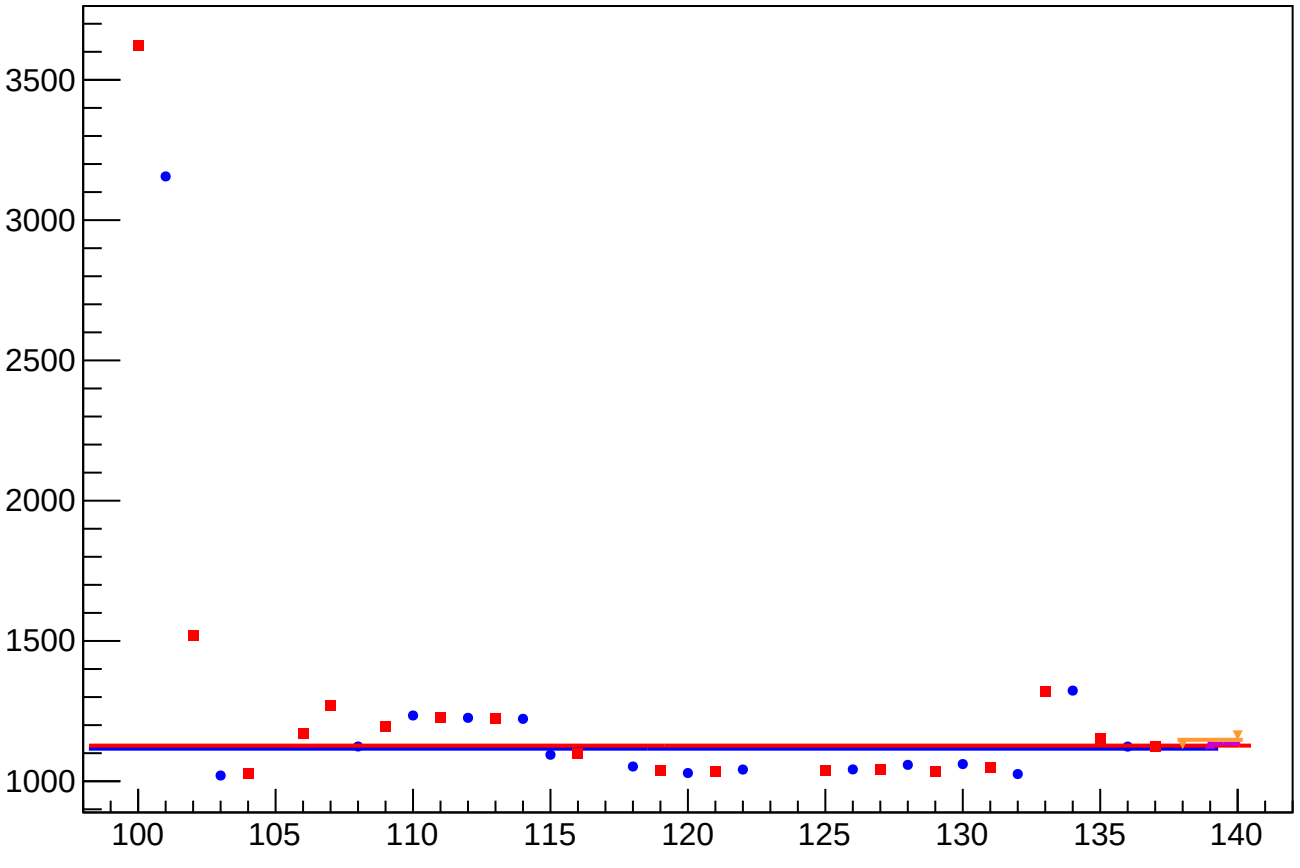
Left: 600.380+/-727.335 χ^2/NDF: 3.6/2

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 480.344+/-401.504 χ^2/NDF:19.5/16

Out: 115.737+/-385.361 χ^2/NDF:17.1/19

All: 290.564+/-278.023 χ^2/NDF: 37.0/36



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1147.764+/-0.637 χ^2/NDF:610.3/1

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1133.761+/-0.872 χ^2/NDF:0.0/0

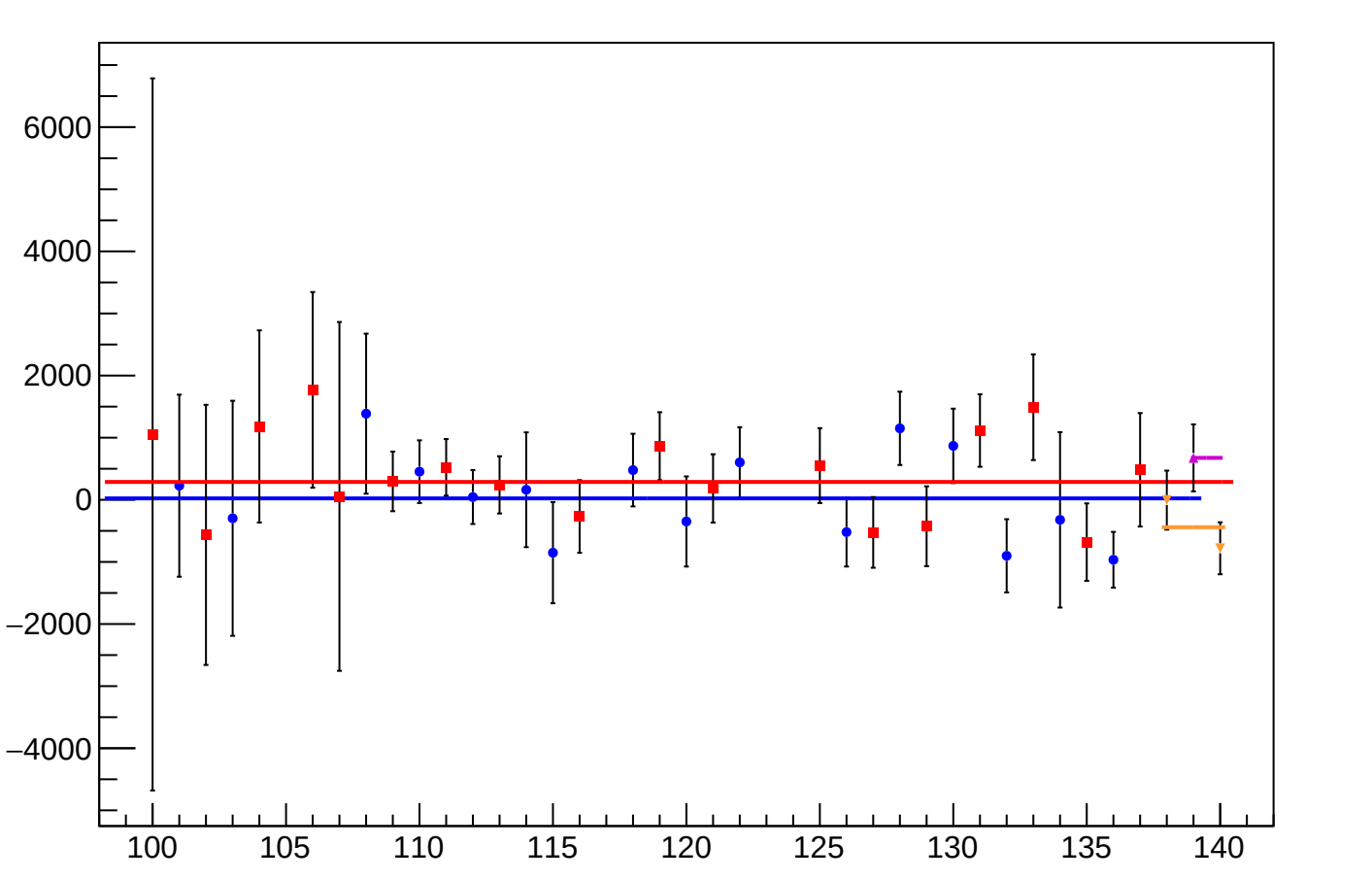
Left: 1142.889+/-0.514 χ^2/NDF: 778.5/2

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1117.963+/-0.284 χ^2/NDF:623759.3/16

Out: 1130.767+/-0.272 χ^2/NDF:224221.9/19

All: 1124.628+/-0.197 χ^2/NDF: 849039.8/36



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -441.578+/-313.946 χ^2/NDF:1.5/1

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 675.131+/-539.583 χ^2/NDF:0.0/0

Left: -159.151+/-271.357 χ^2/NDF: 4.7/2

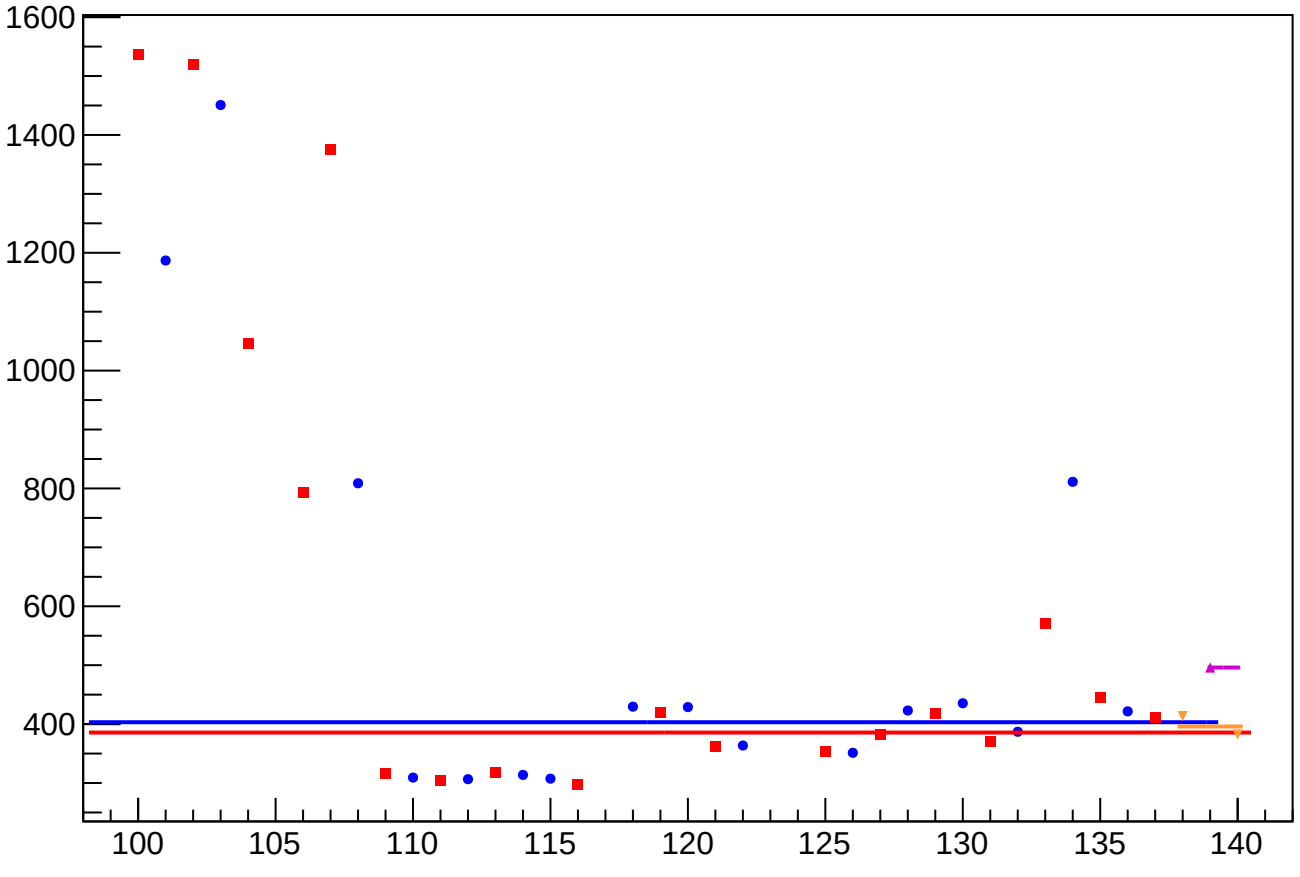
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 76.387+/-154.488 χ^2/NDF:20.3/16

Out: 142.906+/-139.856 χ^2/NDF:19.5/19

All: 112.945+/-103.681 χ^2/NDF: 39.9/36

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 395.974+/-0.222 χ^2/NDF:4871.7/1

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 495.998+/-0.382 χ^2/NDF:0.0/0

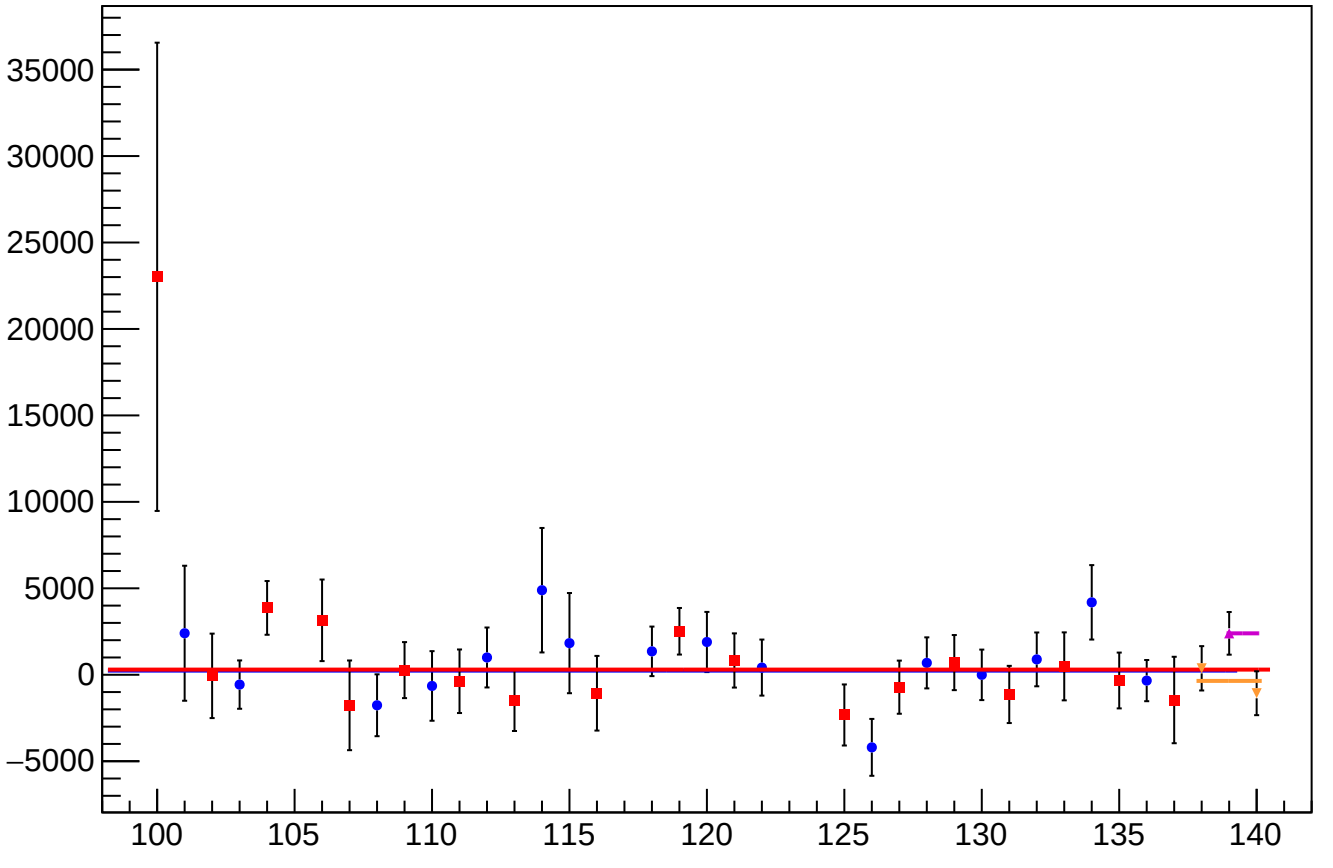
Left: 421.271+/-0.192 χ^2/NDF: 56216.0/2

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 410.791+/-0.109 χ^2/NDF:1866437.2/16

Out: 387.724+/-0.099 χ^2/NDF:1753746.9/19

All: 398.113+/-0.073 χ^2/NDF: 3644688.5/36



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -354.963+/-901.834 χ^2/NDF:0.6/1

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 2395.766+/-1233.912 χ^2/NDF:0.0/0

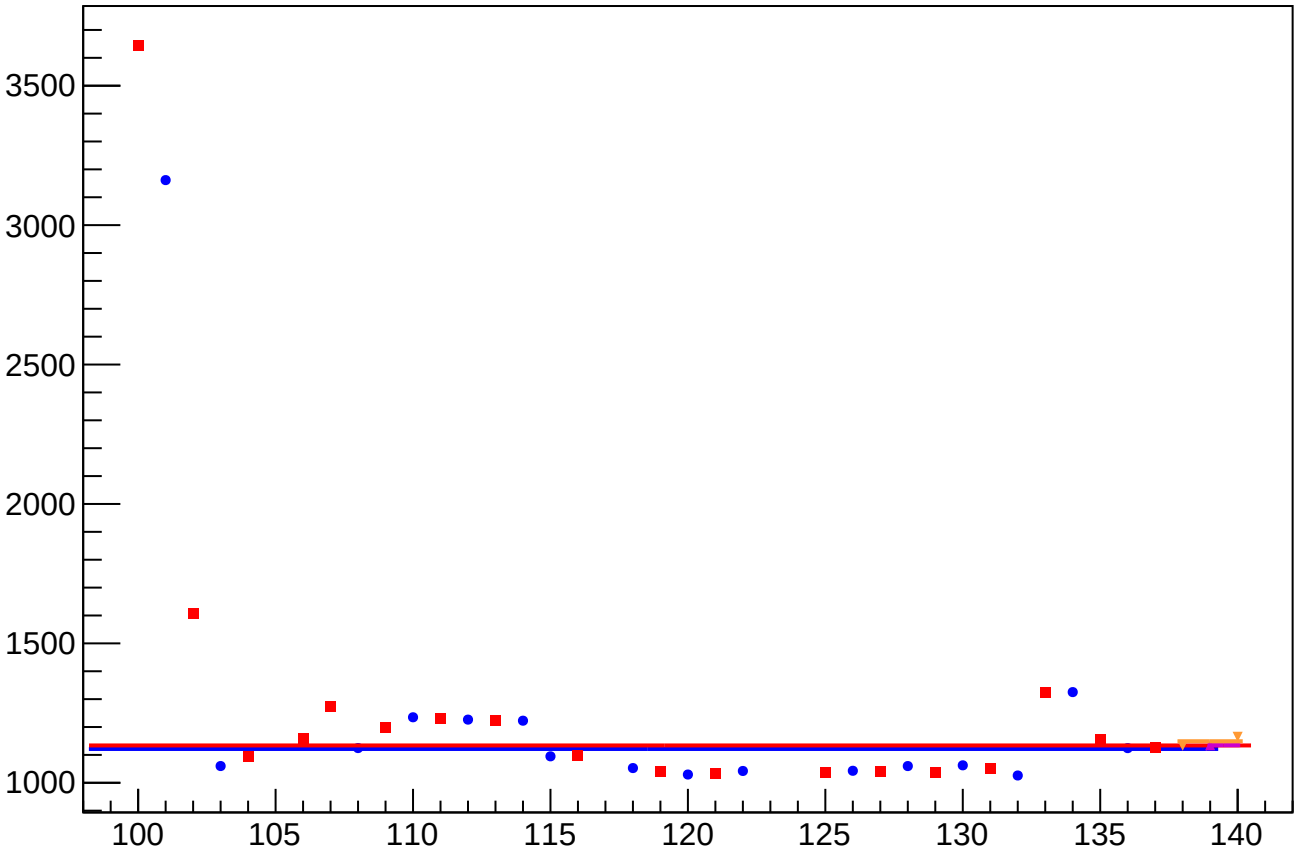
Left: 602.798+/-728.097 χ^2/NDF: 3.9/2

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 470.896+/-403.177 χ^2/NDF:19.7/16

Out: 177.448+/-388.701 χ^2/NDF:19.8/19

All: 318.809+/-279.831 χ^2/NDF: 39.7/36



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1149.047+/-0.638 χ^2/NDF:631.4/1

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1134.743+/-0.873 χ^2/NDF:0.0/0

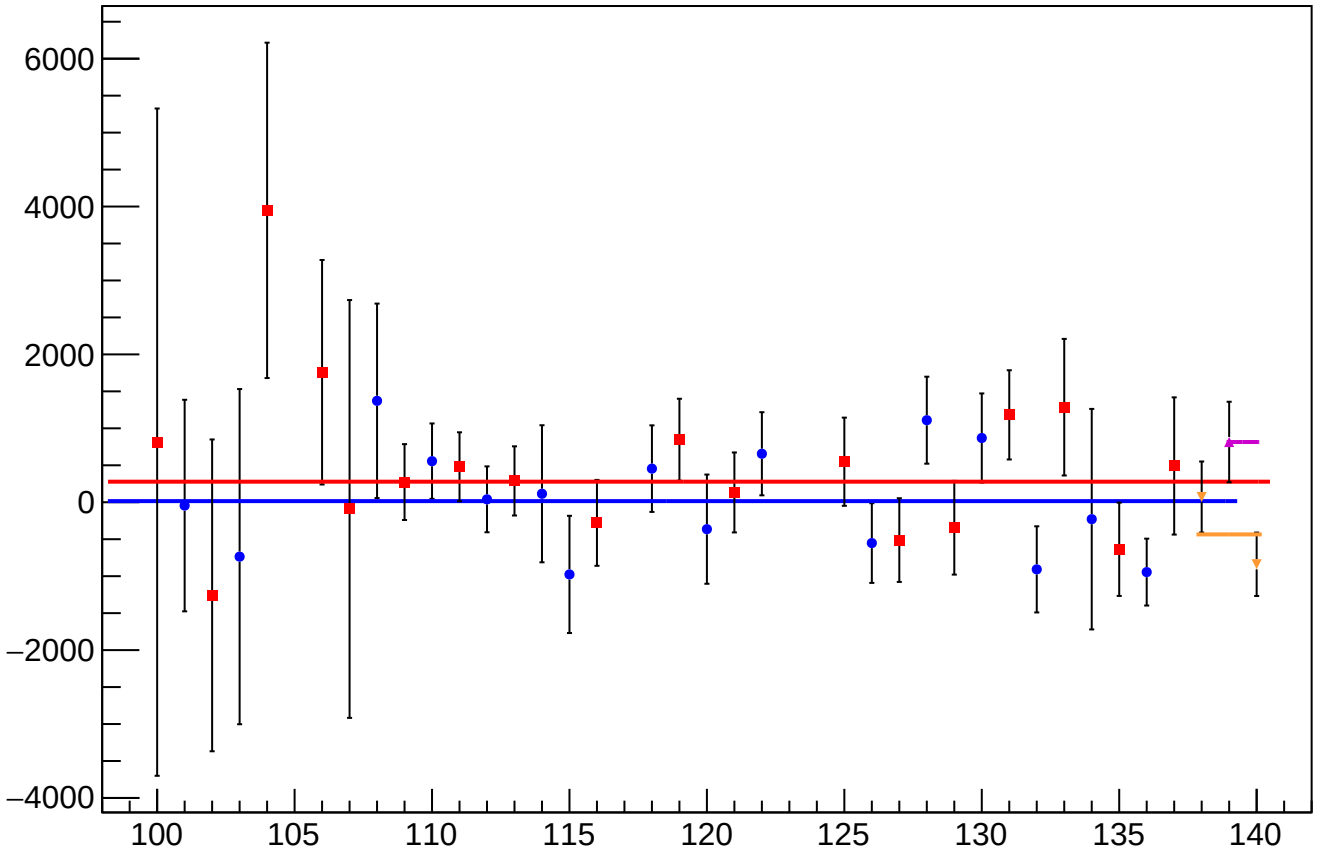
Left: 1144.067+/-0.515 χ^2/NDF: 806.6/2

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1122.730+/-0.285 χ^2/NDF:617240.6/16

Out: 1136.738+/-0.275 χ^2/NDF:228546.1/19

All: 1129.990+/-0.198 χ^2/NDF: 847037.9/36



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -435.073+/-319.875 χ^2/NDF:2.0/1

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 814.797+/-544.622 χ^2/NDF:0.0/0

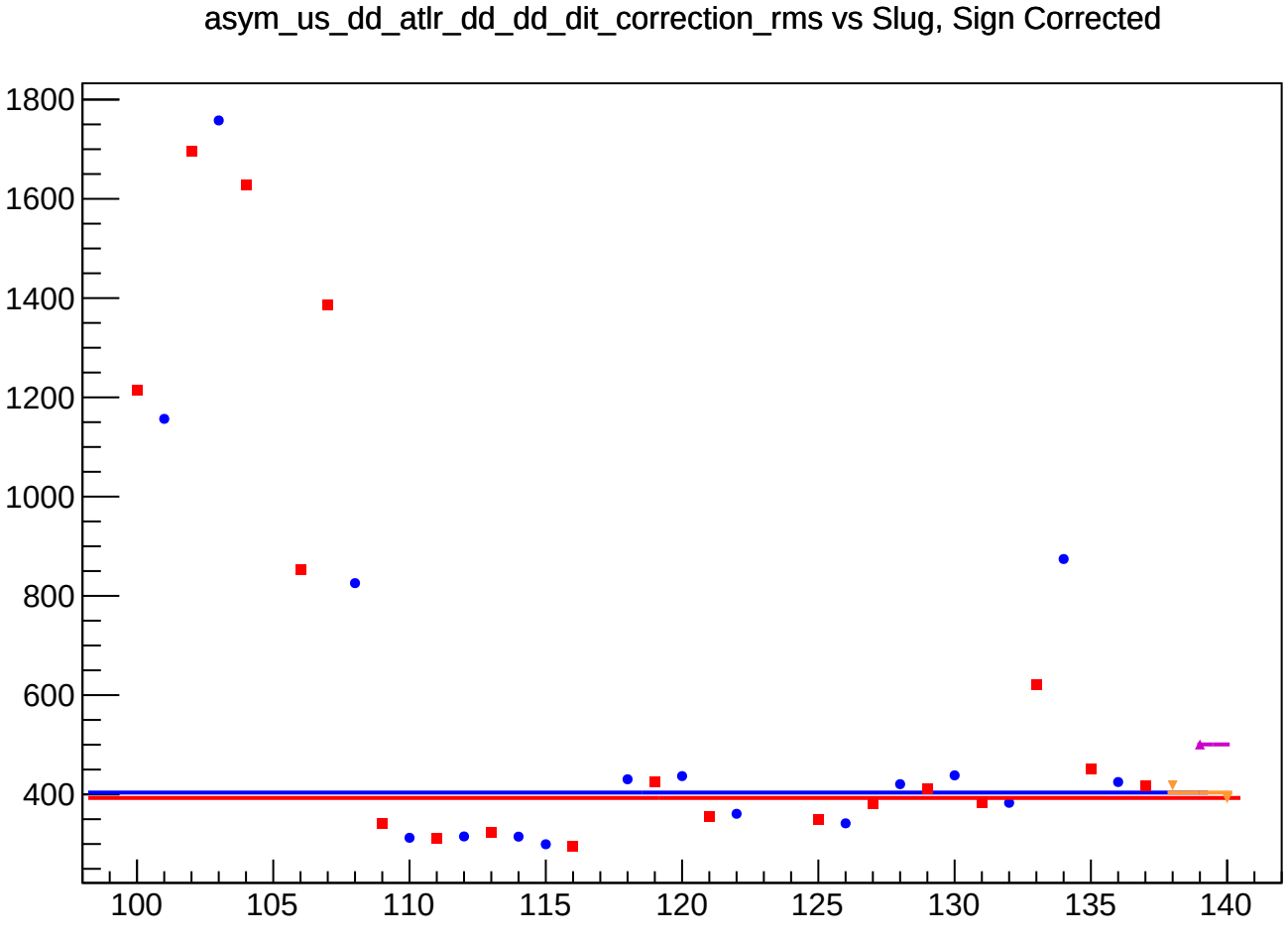
Left: -114.501+/-275.820 χ^2/NDF: 5.9/2

Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 80.167+/-155.140 χ^2/NDF:21.6/16

Out: 137.170+/-142.257 χ^2/NDF:21.1/19

All: 111.133+/-104.850 χ^2/NDF: 42.7/36



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 403.694+/-0.226 χ^2/NDF:3275.5/1

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 500.677+/-0.385 χ^2/NDF:0.0/0

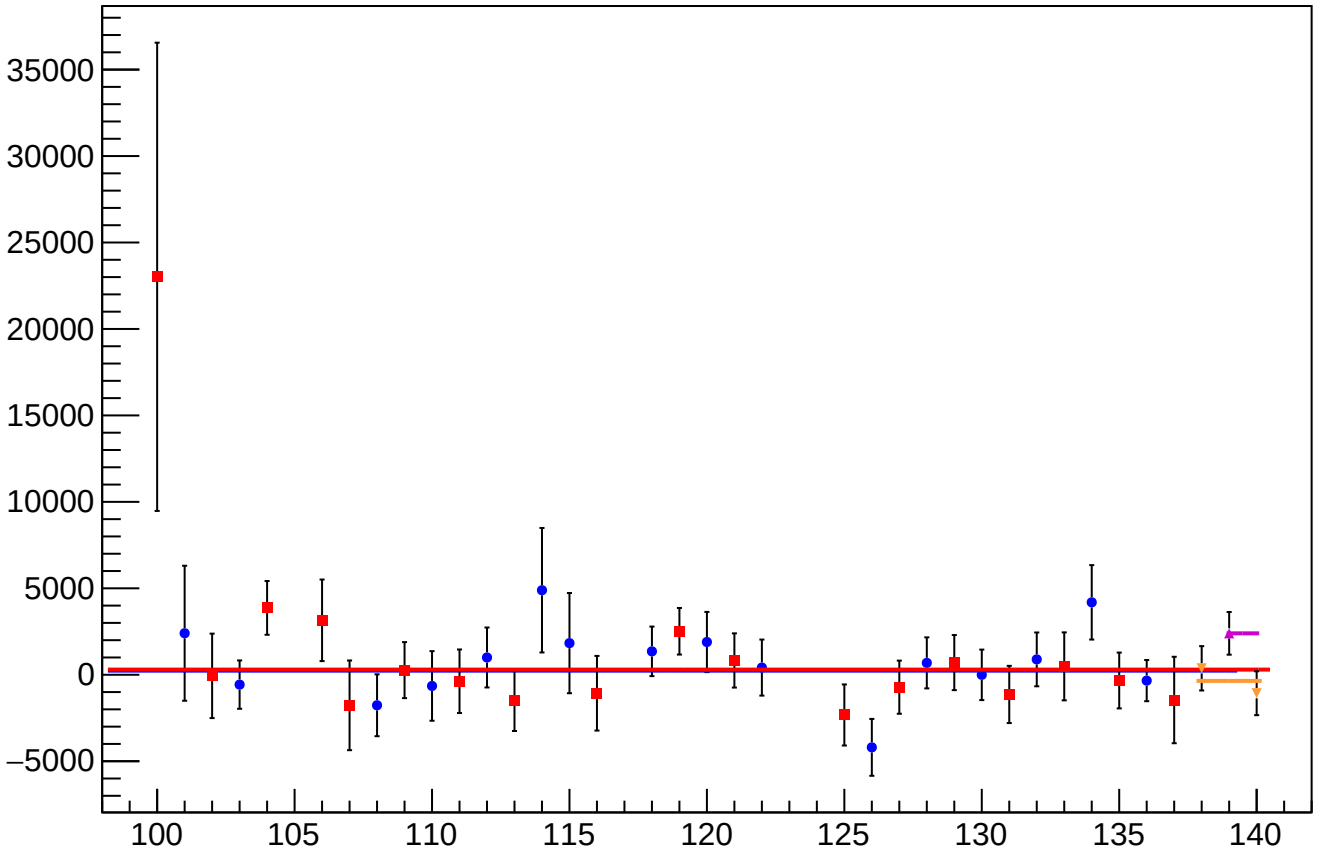
Left: 428.569+/-0.195 χ^2/NDF: 50429.1/2

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 411.528+/-0.110 χ^2/NDF:1987917.4/16

Out: 394.971+/-0.101 χ^2/NDF:2208585.7/19

All: 402.534+/-0.074 χ^2/NDF: 4208878.4/36



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -354.969+/-901.834 χ^2/NDF:0.6/1

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 2395.754+/-1233.912 χ^2/NDF:0.0/0

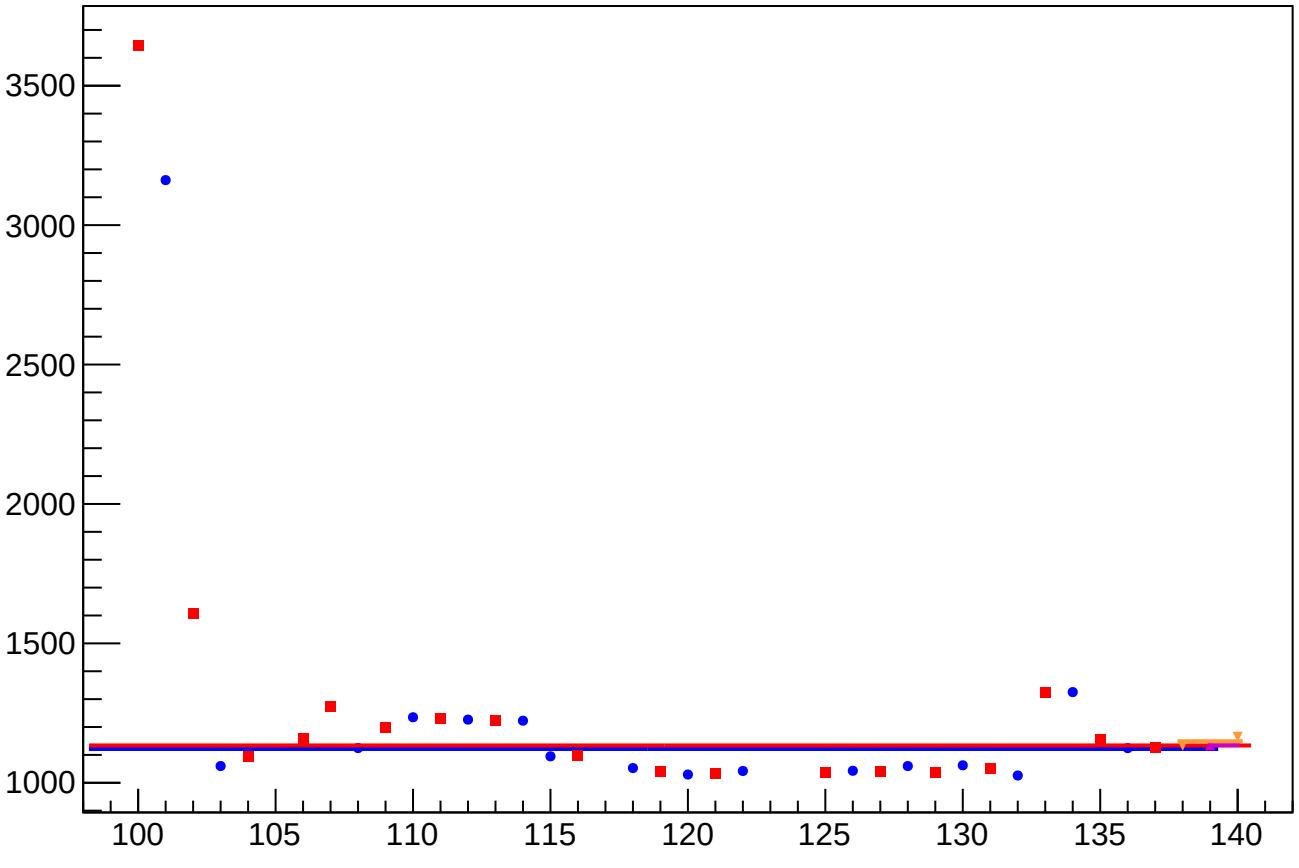
Left: 602.791+/-728.097 χ^2/NDF: 3.9/2

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 470.897+/-403.177 χ^2/NDF:19.7/16

Out: 177.448+/-388.701 χ^2/NDF:19.8/19

All: 318.810+/-279.831 χ^2/NDF: 39.7/36



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1149.047+/-0.638 χ^2/NDF:631.4/1

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1134.743+/-0.873 χ^2/NDF:0.0/0

Left: 1144.067+/-0.515 χ^2/NDF: 806.6/2

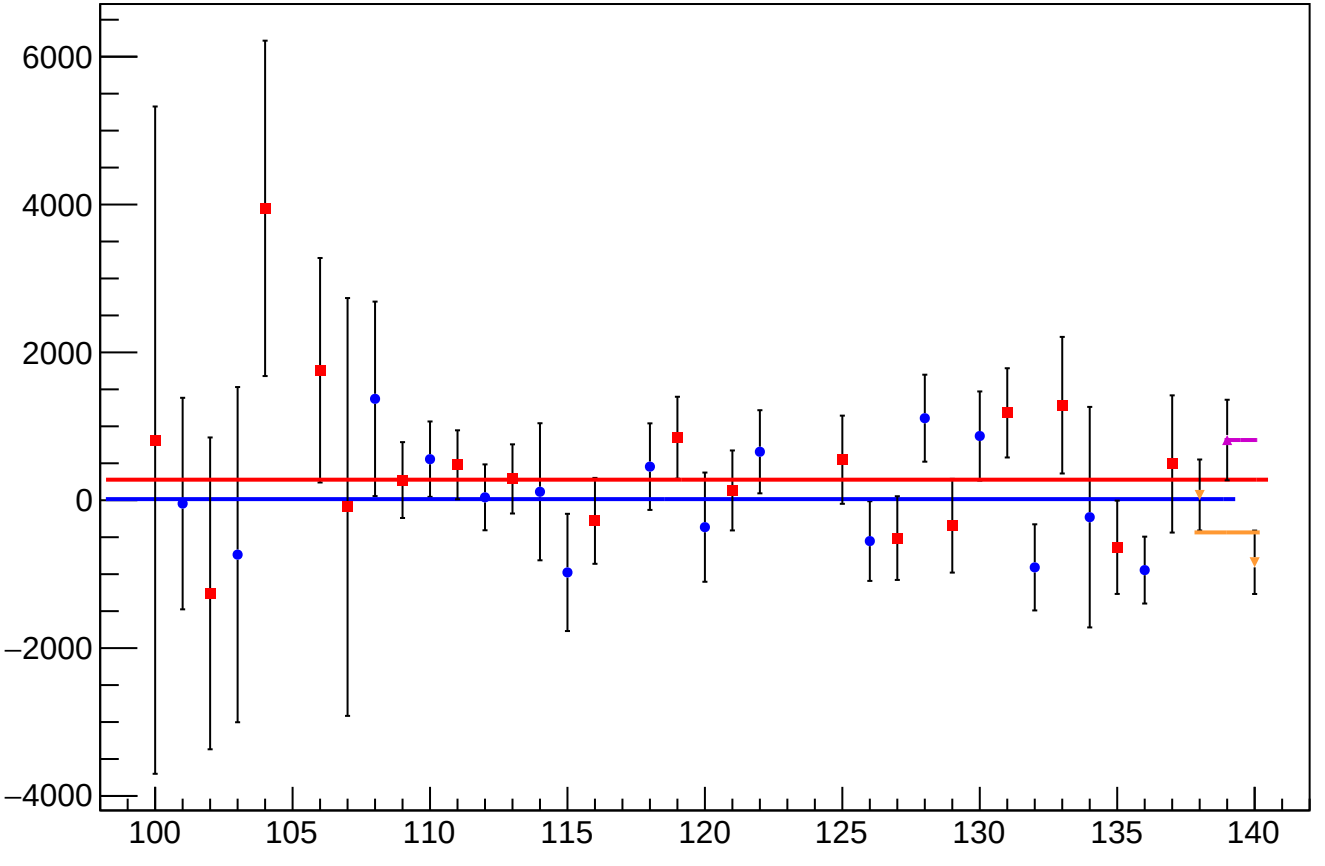
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1122.730+/-0.285 χ^2/NDF:617240.6/16

Out: 1136.738+/-0.275 χ^2/NDF:228546.2/19

All: 1129.990+/-0.198 χ^2/NDF: 847038.0/36

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -435.075+/-319.874 χ^2/NDF:2.0/1

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 814.794+/-544.619 χ^2/NDF:0.0/0

Left: -114.503+/-275.819 χ^2/NDF: 5.9/2

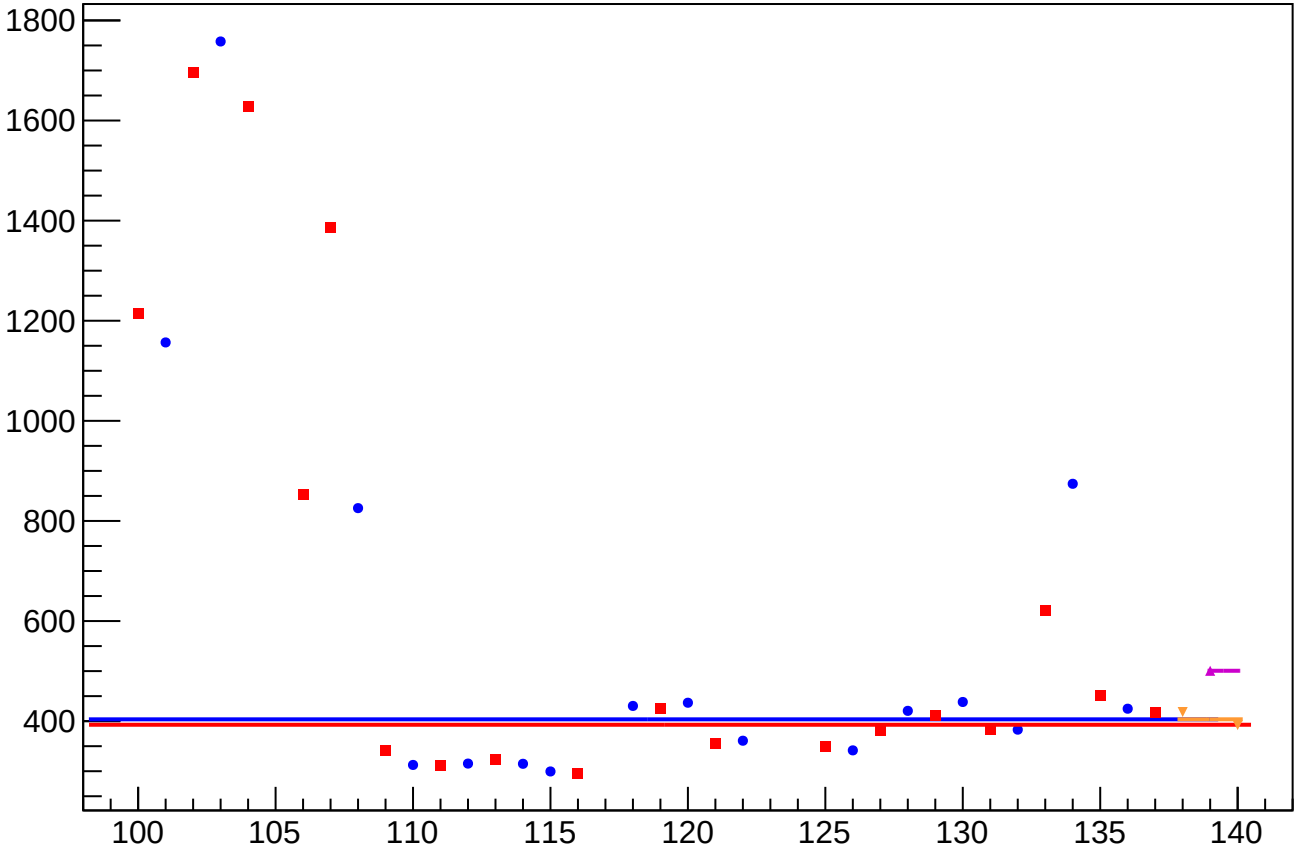
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: 80.163+/-155.139 χ^2/NDF:21.6/16

Out: 137.168+/-142.256 χ^2/NDF:21.1/19

All: 111.130+/-104.849 χ^2/NDF: 42.7/36

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 403.693+/-0.226 χ^2/NDF:3274.7/1

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 500.674+/-0.385 χ^2/NDF:0.0/0

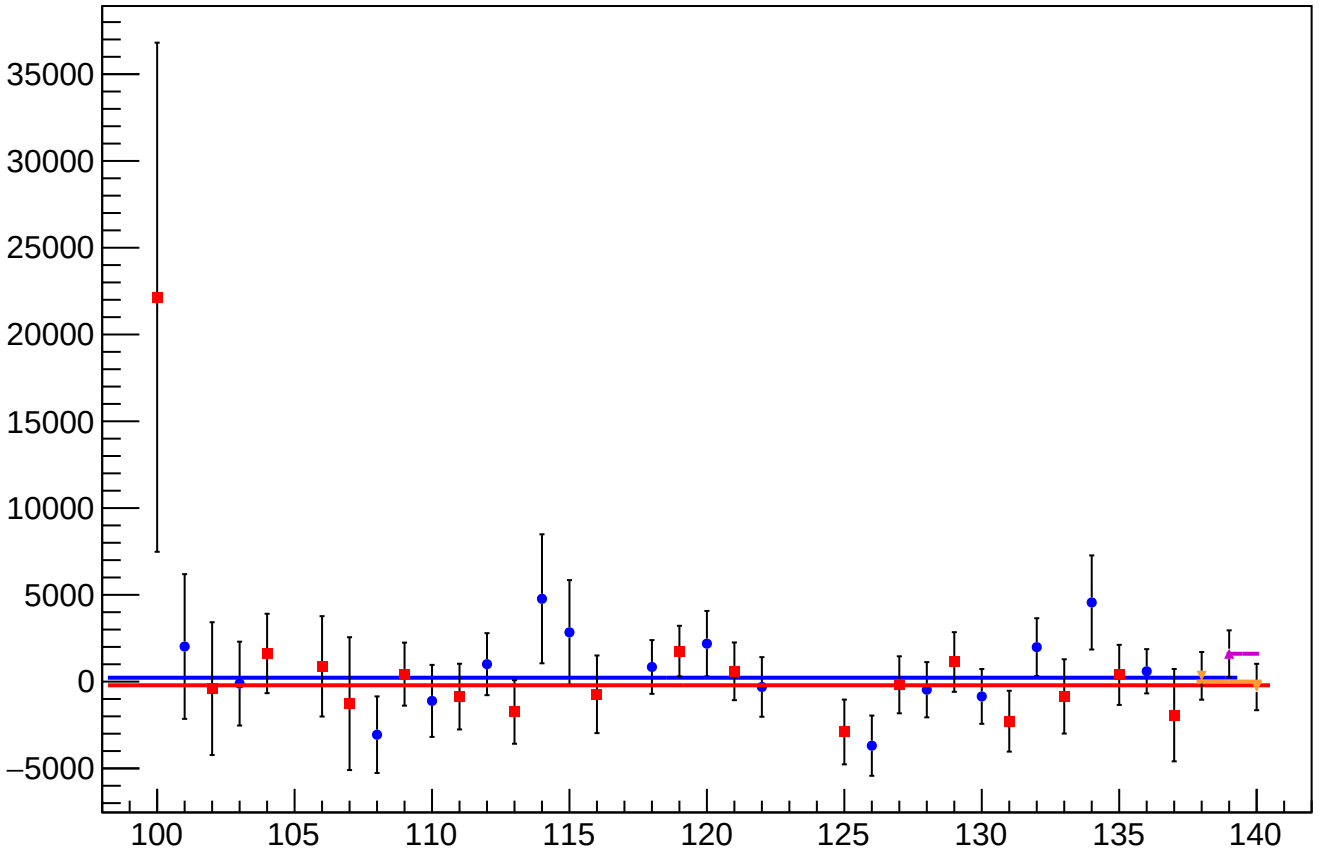
Left: 428.567+/-0.195 χ^2/NDF: 50428.2/2

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 411.525+/-0.110 χ^2/NDF:1987915.8/16

Out: 394.968+/-0.101 χ^2/NDF:2208592.0/19

All: 402.531+/-0.074 χ^2/NDF: 4208883.2/36



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 2.654+/-958.366 χ^2/NDF:0.1/1

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 1606.967+/-1346.924 χ^2/NDF:0.0/0

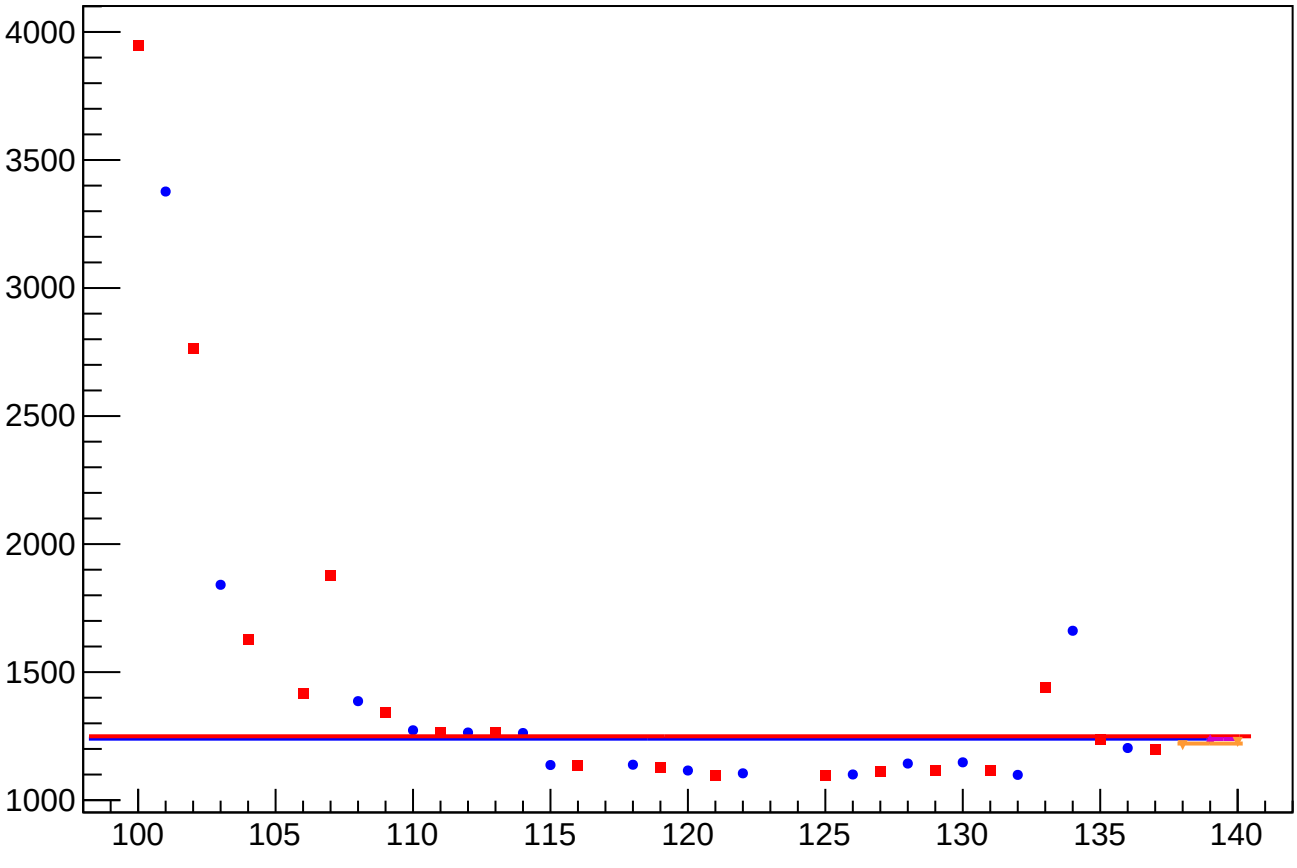
Left: 541.872+/-780.874 χ^2/NDF: 1.1/2

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 377.443+/-447.590 χ^2/NDF:17.1/16

Out: -167.463+/-427.618 χ^2/NDF:11.1/19

All: 92.562+/-309.191 χ^2/NDF: 28.9/36



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1221.093+/-0.678 χ^2/NDF:88.0/1

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1238.865+/-0.952 χ^2/NDF:0.0/0

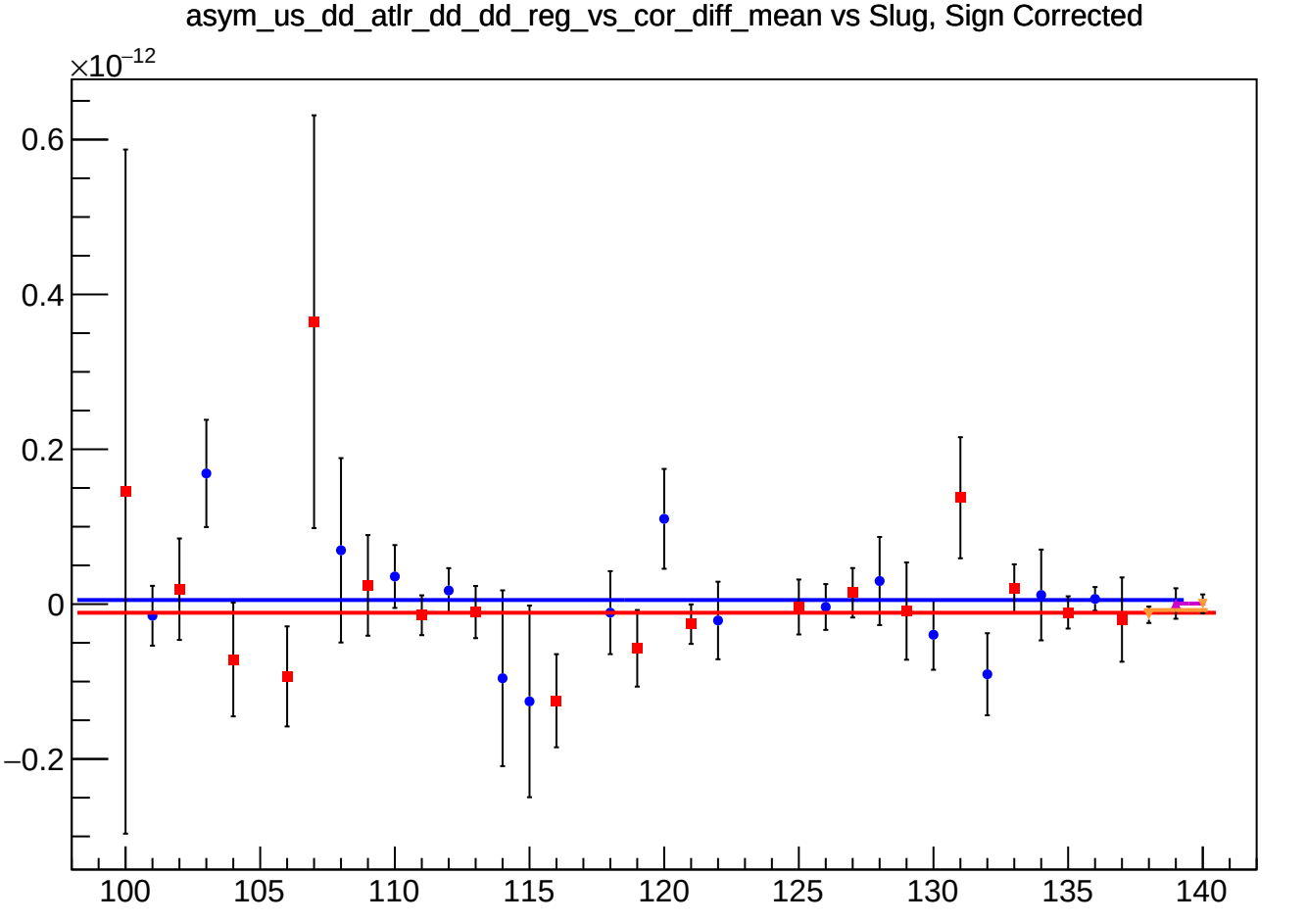
Left: 1227.067+/-0.552 χ^2/NDF: 319.2/2

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1239.999+/-0.316 χ^2/NDF:782681.3/16

Out: 1243.773+/-0.302 χ^2/NDF:607585.6/19

All: 1241.972+/-0.219 χ^2/NDF: 1390341.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/1

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

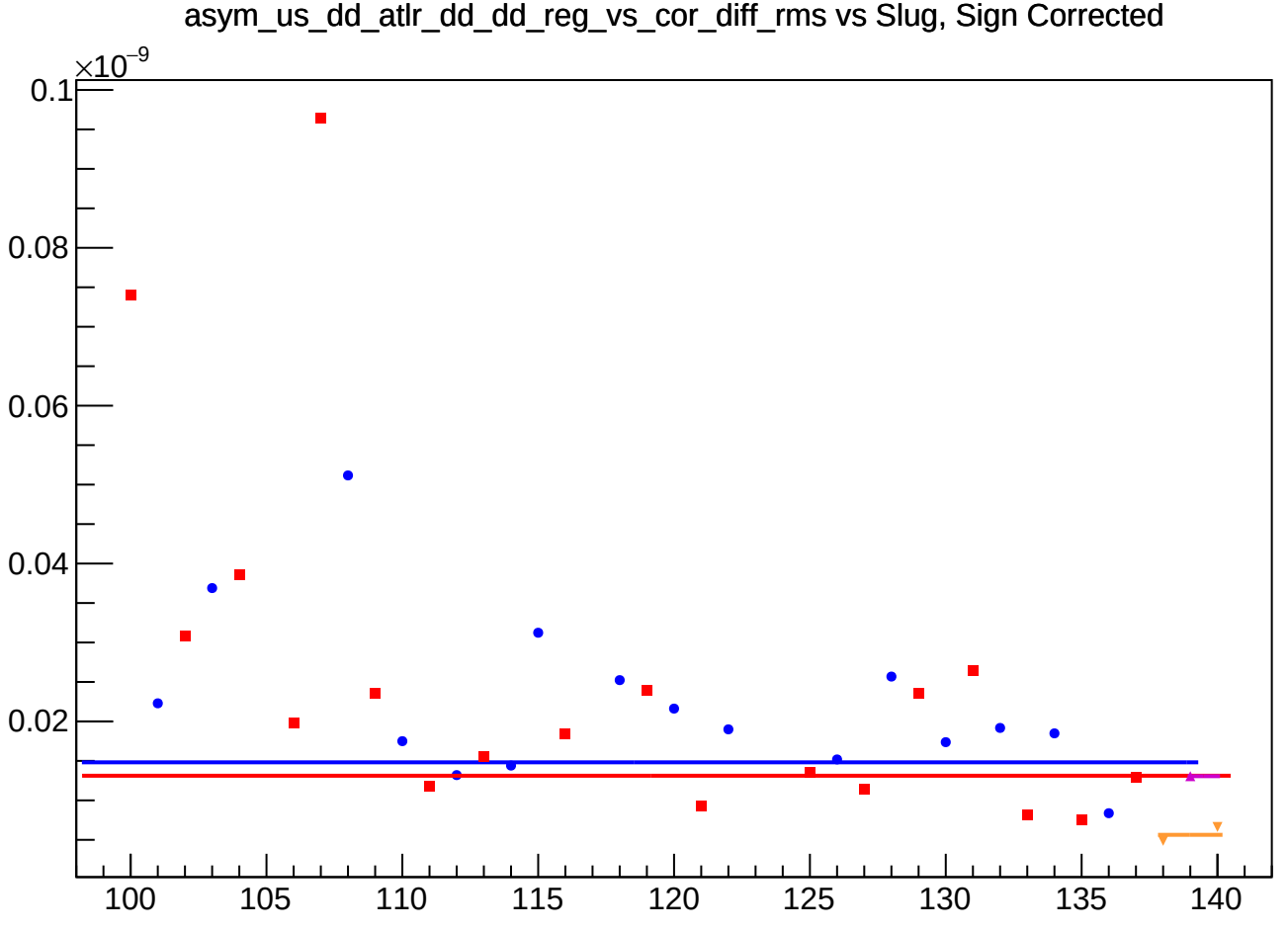
Left: -0.000+/-0.000 χ^2/NDF: 0.9/2

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:16.4/16

Out: -0.000+/-0.000 χ^2/NDF:15.9/19

All: -0.000+/-0.000 χ^2/NDF: 33.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:23500.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

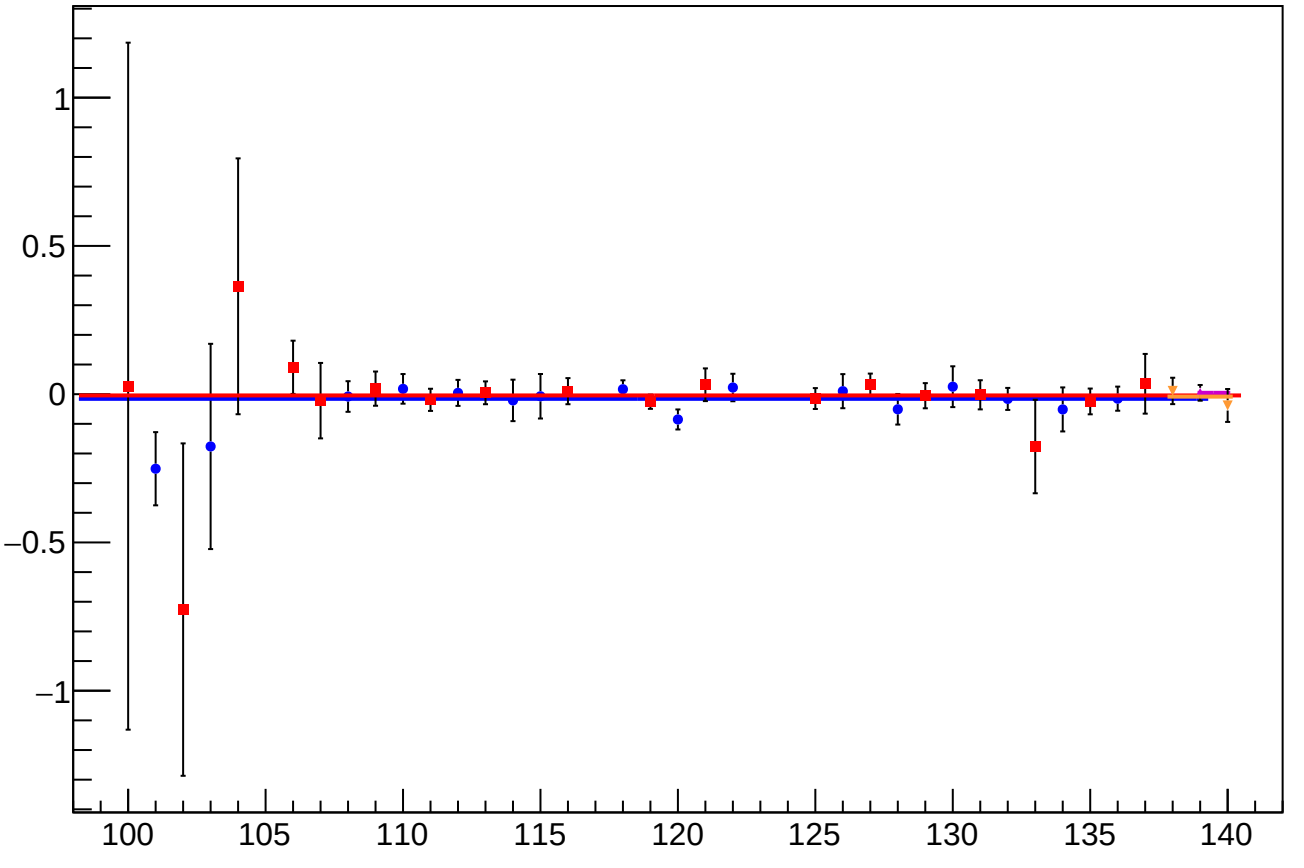
Left: 0.000+/-0.000 χ^2/NDF: 268031.8/2

Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:1094291.2/16

Out: 0.000+/-0.000 χ^2/NDF:1942974.2/19

All: 0.000+/-0.000 χ^2/NDF: 3613305.1/36



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.008+/-0.035 χ^2/NDF:0.5/1

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.005+/-0.026 χ^2/NDF:0.0/0

Left: -0.000+/-0.021 χ^2/NDF: 0.6/2

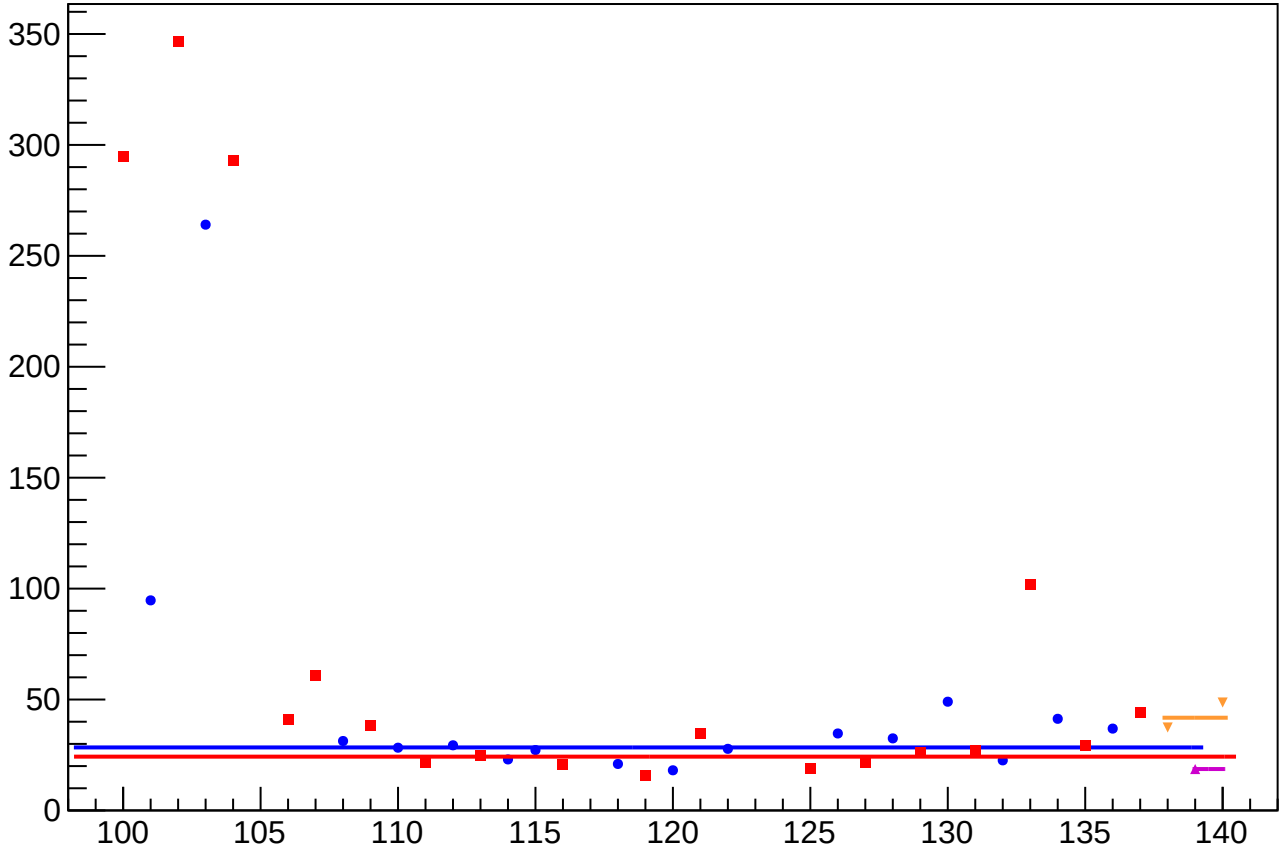
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.012+/-0.011 χ^2/NDF:12.4/16

Out: -0.005+/-0.011 χ^2/NDF:8.3/19

All: -0.008+/-0.008 χ^2/NDF: 21.0/36

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: 41.802+/-0.025 χ^2/NDF:50110.1/1

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 18.671+/-0.019 χ^2/NDF:0.0/0

Left: 27.187+/-0.015 χ^2/NDF: 611070.5/2

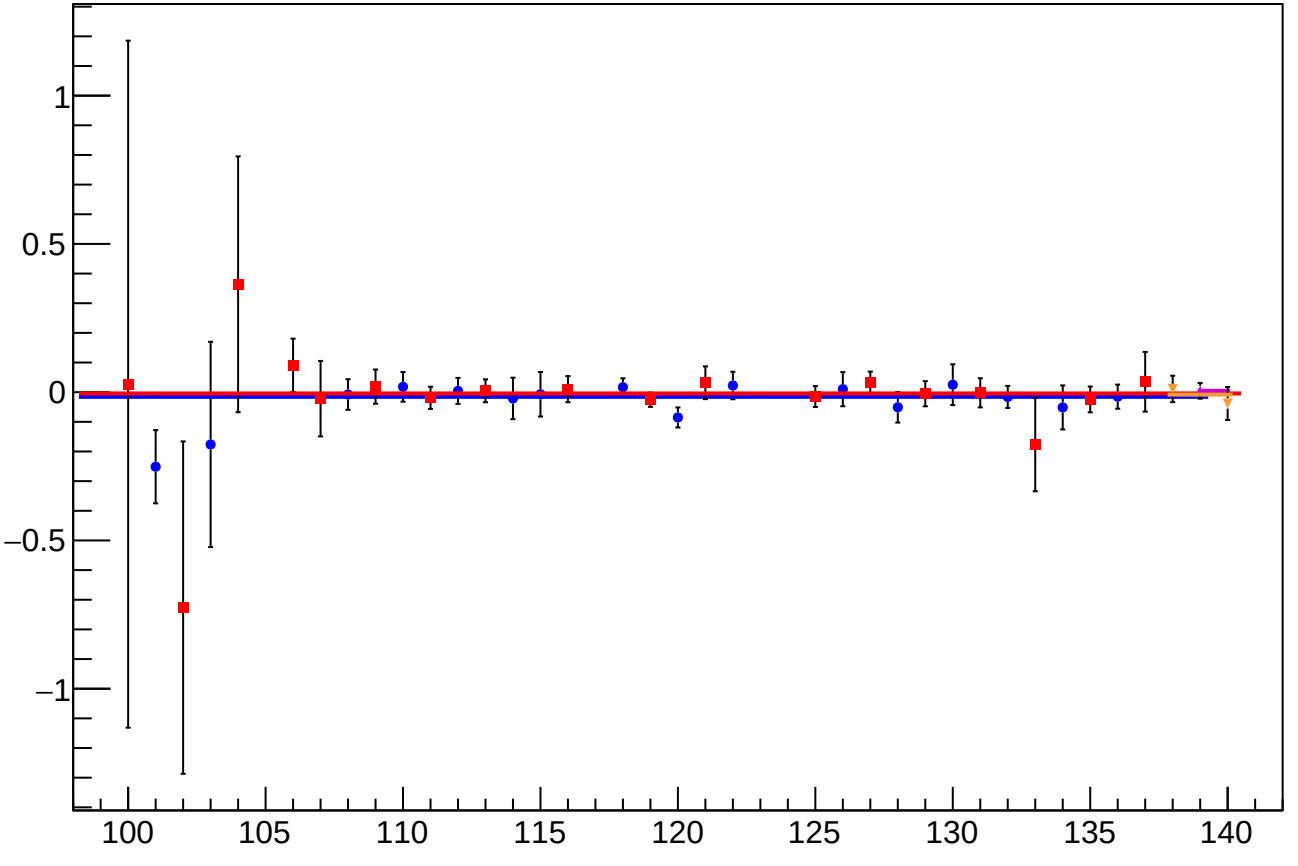
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 26.683+/-0.008 χ^2/NDF:2467883.9/16

Out: 25.974+/-0.008 χ^2/NDF:3424428.9/19

All: 26.319+/-0.006 χ^2/NDF: 5896462.5/36

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.008+/-0.035 χ^2/NDF:0.5/1

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.005+/-0.026 χ^2/NDF:0.0/0

Left: -0.000+/-0.021 χ^2/NDF: 0.6/2

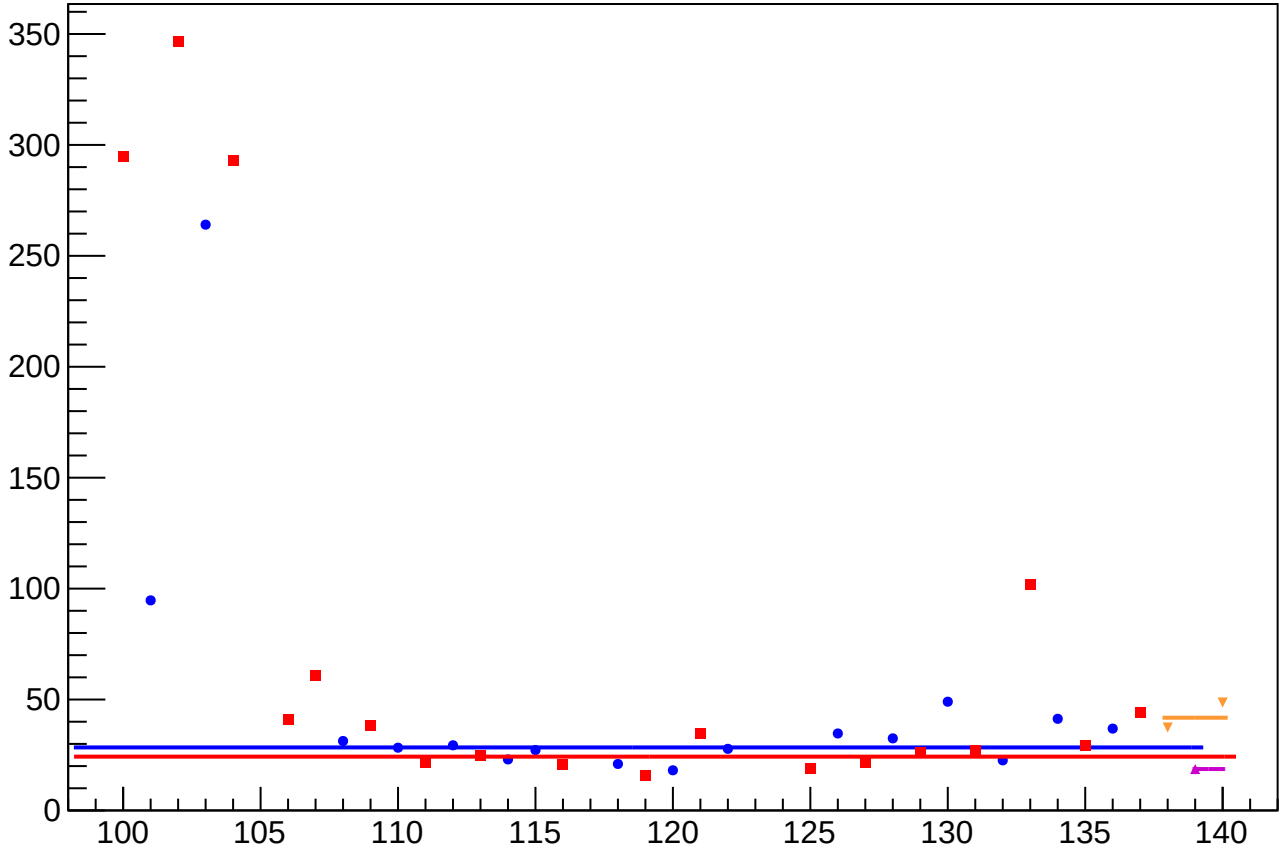
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.012+/-0.011 χ^2/NDF:12.4/16

Out: -0.005+/-0.011 χ^2/NDF:8.3/19

All: -0.008+/-0.008 χ^2/NDF: 21.0/36

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: 41.802+/-0.025 χ^2/NDF:50110.1/1

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 18.671+/-0.019 χ^2/NDF:0.0/0

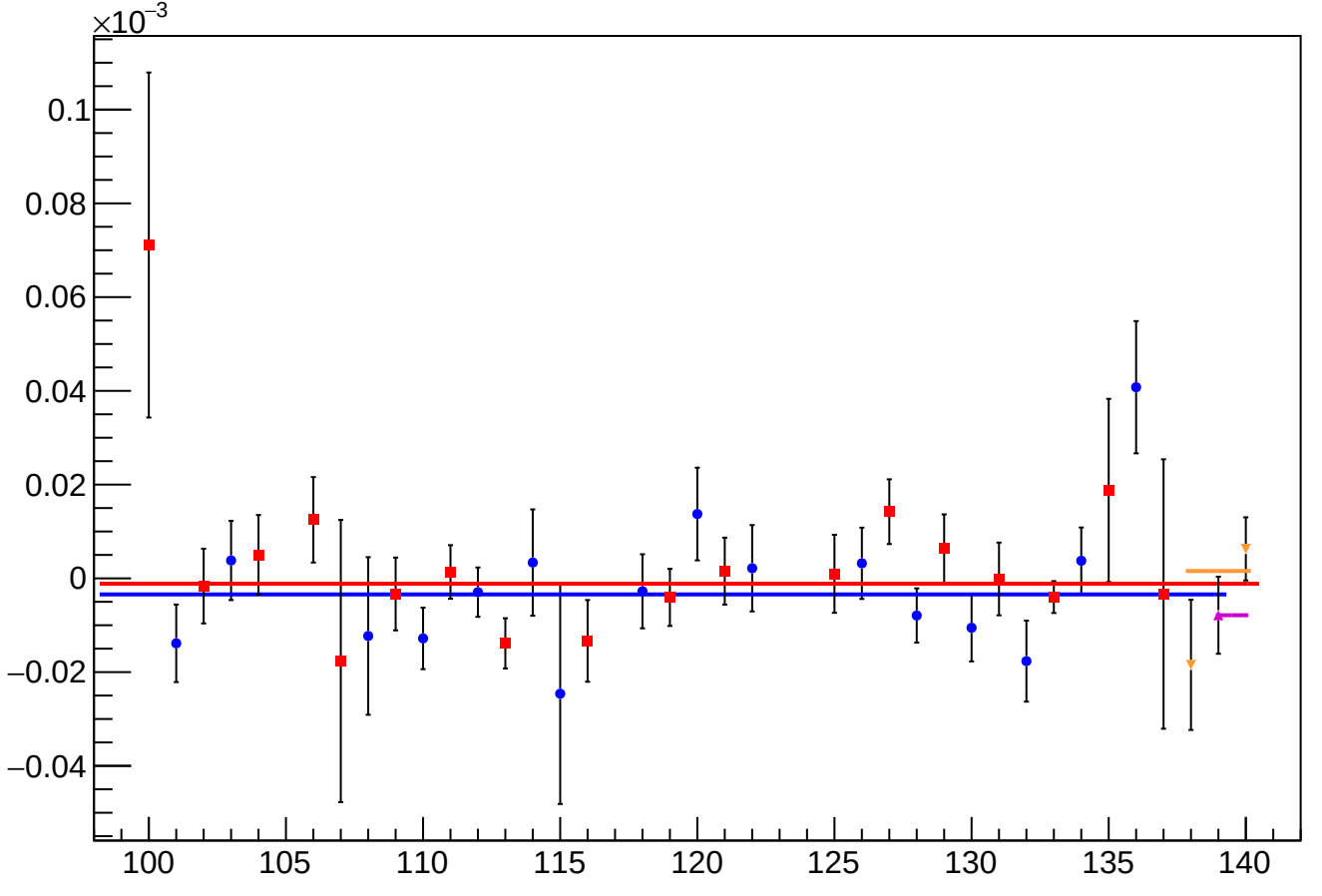
Left: 27.187+/-0.015 χ^2/NDF: 611070.5/2

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 26.683+/-0.008 χ^2/NDF:2467883.9/16

Out: 25.974+/-0.008 χ^2/NDF:3424428.9/19

All: 26.319+/-0.006 χ^2/NDF: 5896462.5/36



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

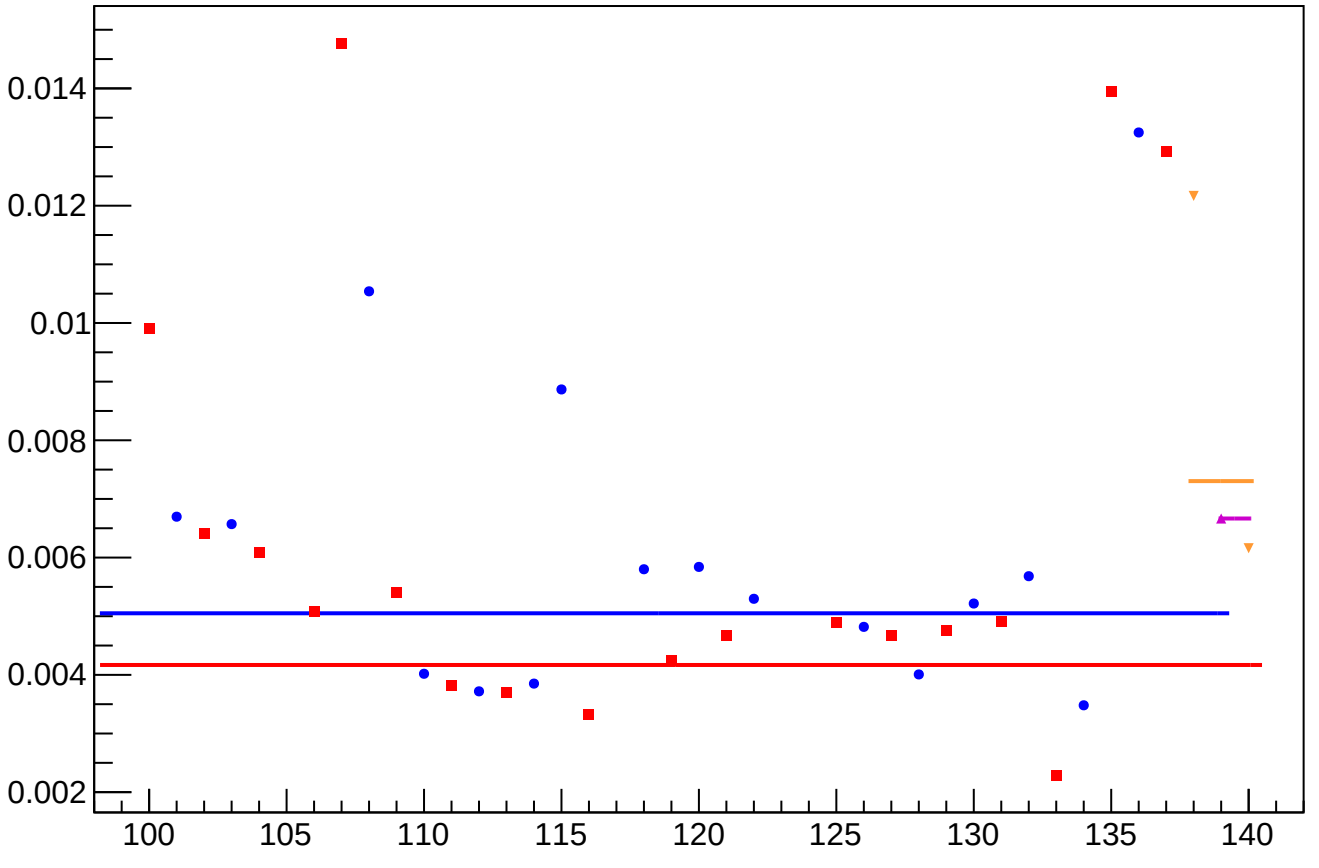
Left: -0.000+/-0.000 χ^2/NDF: 3.4/2

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:25.4/16

Out: -0.000+/-0.000 χ^2/NDF:25.7/19

All: -0.000+/-0.000 χ^2/NDF: 52.3/36



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:302986.8/1

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.007+/-0.000 χ^2/NDF:0.0/0

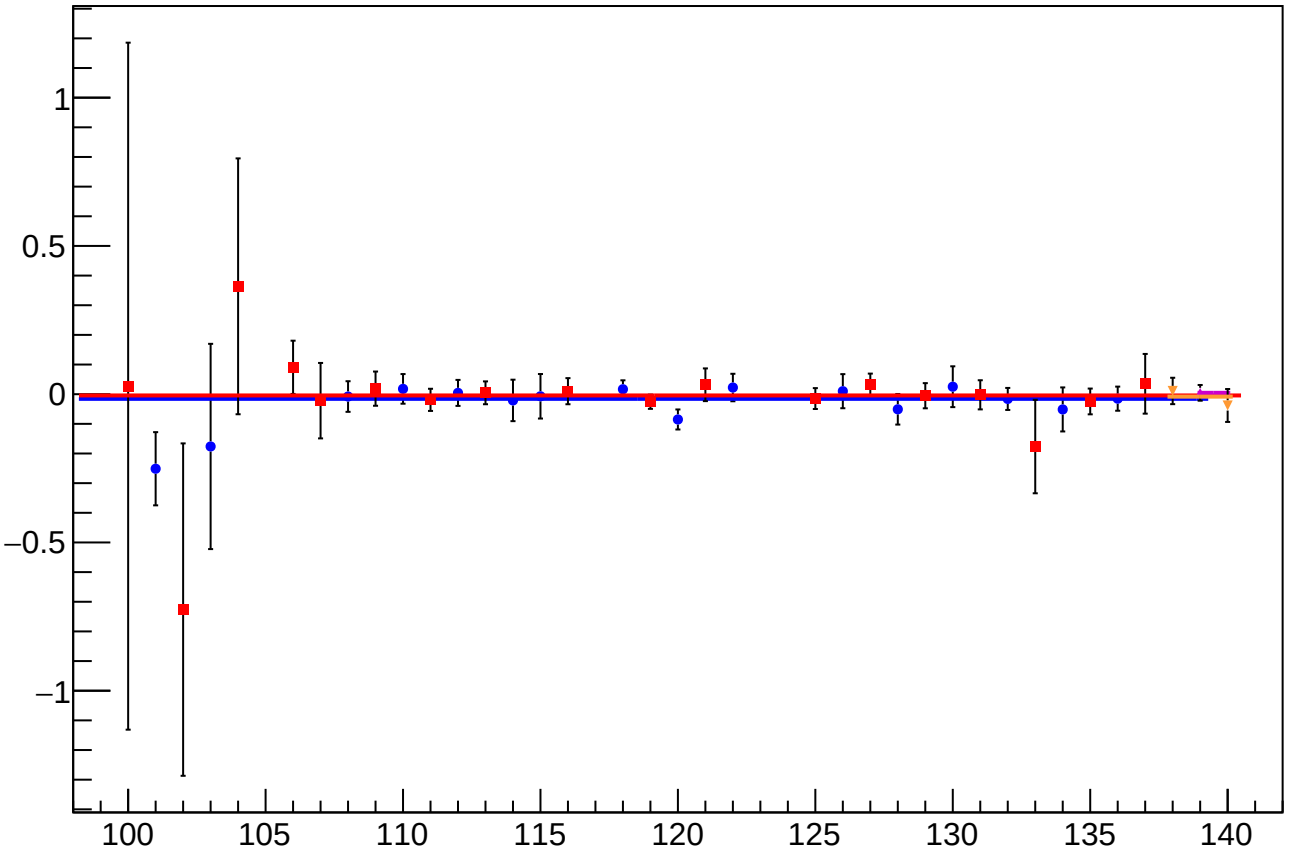
Left: 0.007+/-0.000 χ^2/NDF: 310785.8/2

Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:1567079.3/16

Out: 0.004+/-0.000 χ^2/NDF:2841150.2/19

All: 0.005+/-0.000 χ^2/NDF: 4578195.5/36



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.008+/-0.035 χ^2/NDF:0.5/1

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.005+/-0.026 χ^2/NDF:0.0/0

Left: -0.000+/-0.021 χ^2/NDF: 0.6/2

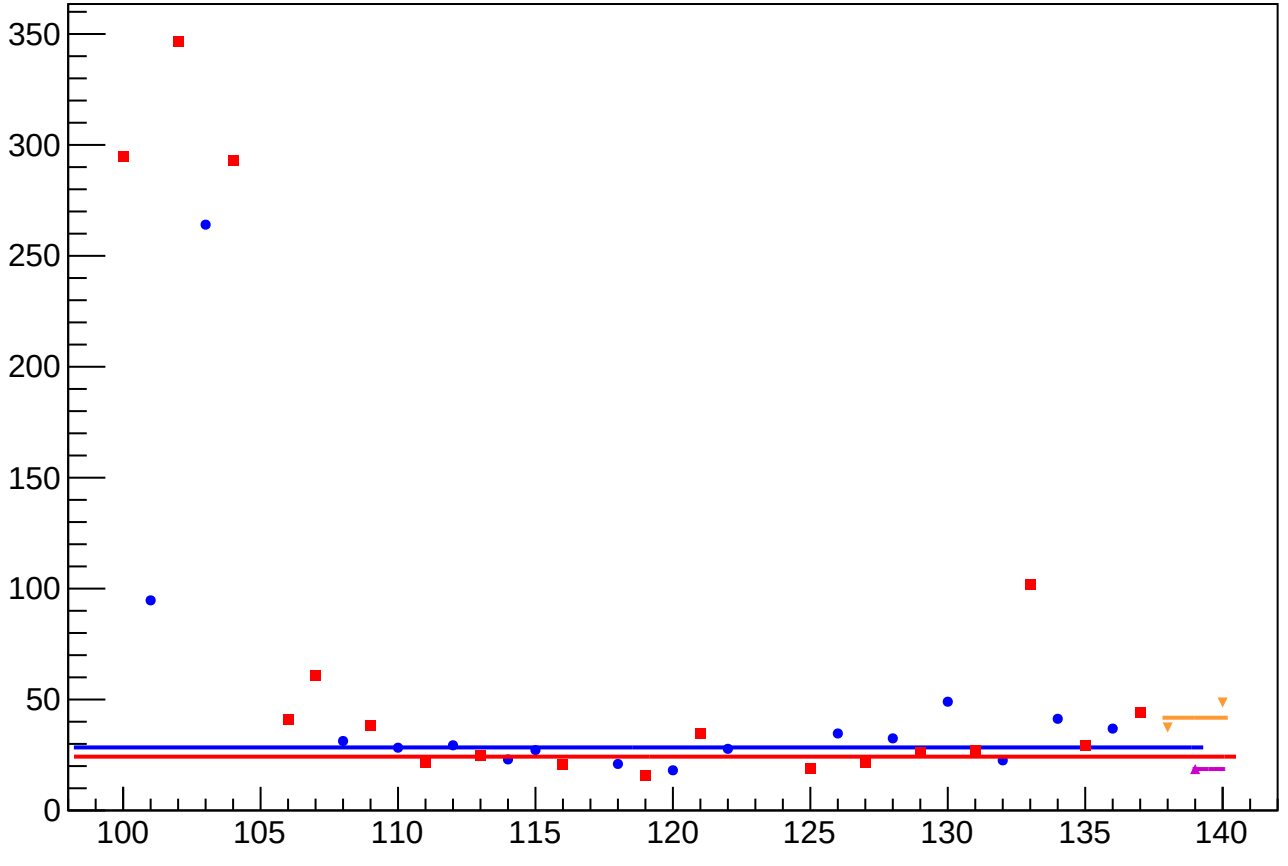
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.012+/-0.011 χ^2/NDF:12.4/16

Out: -0.005+/-0.011 χ^2/NDF:8.3/19

All: -0.008+/-0.008 χ^2/NDF: 21.0/36

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 41.803+/-0.025 χ^2/NDF:50147.5/1

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 18.669+/-0.019 χ^2/NDF:0.0/0

Left: 27.184+/-0.015 χ^2/NDF: 611296.5/2

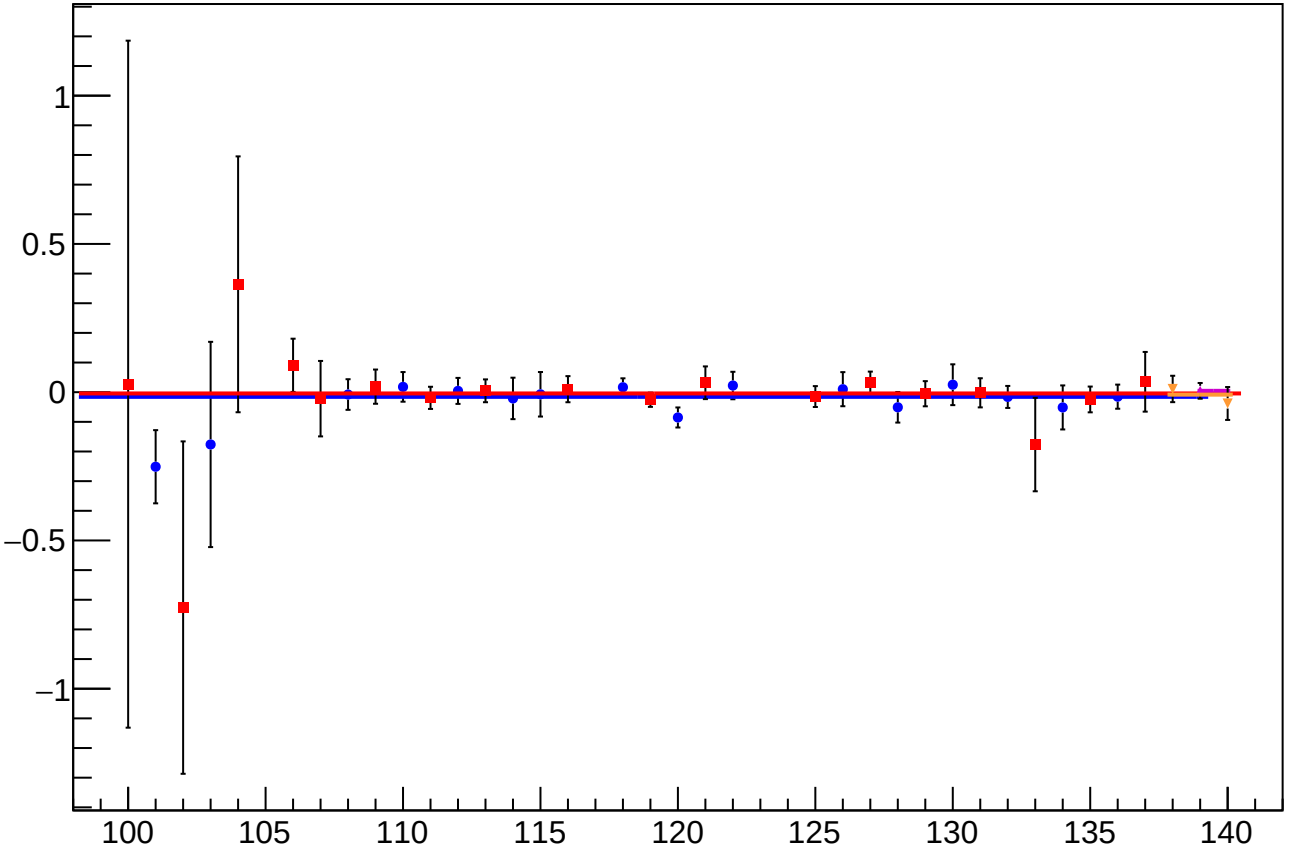
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 26.682+/-0.008 χ^2/NDF:2468045.8/16

Out: 25.972+/-0.008 χ^2/NDF:3424829.9/19

All: 26.317+/-0.006 χ^2/NDF: 5897035.6/36

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.008+/-0.035 χ^2/NDF:0.5/1

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.005+/-0.026 χ^2/NDF:0.0/0

Left: -0.000+/-0.021 χ^2/NDF: 0.6/2

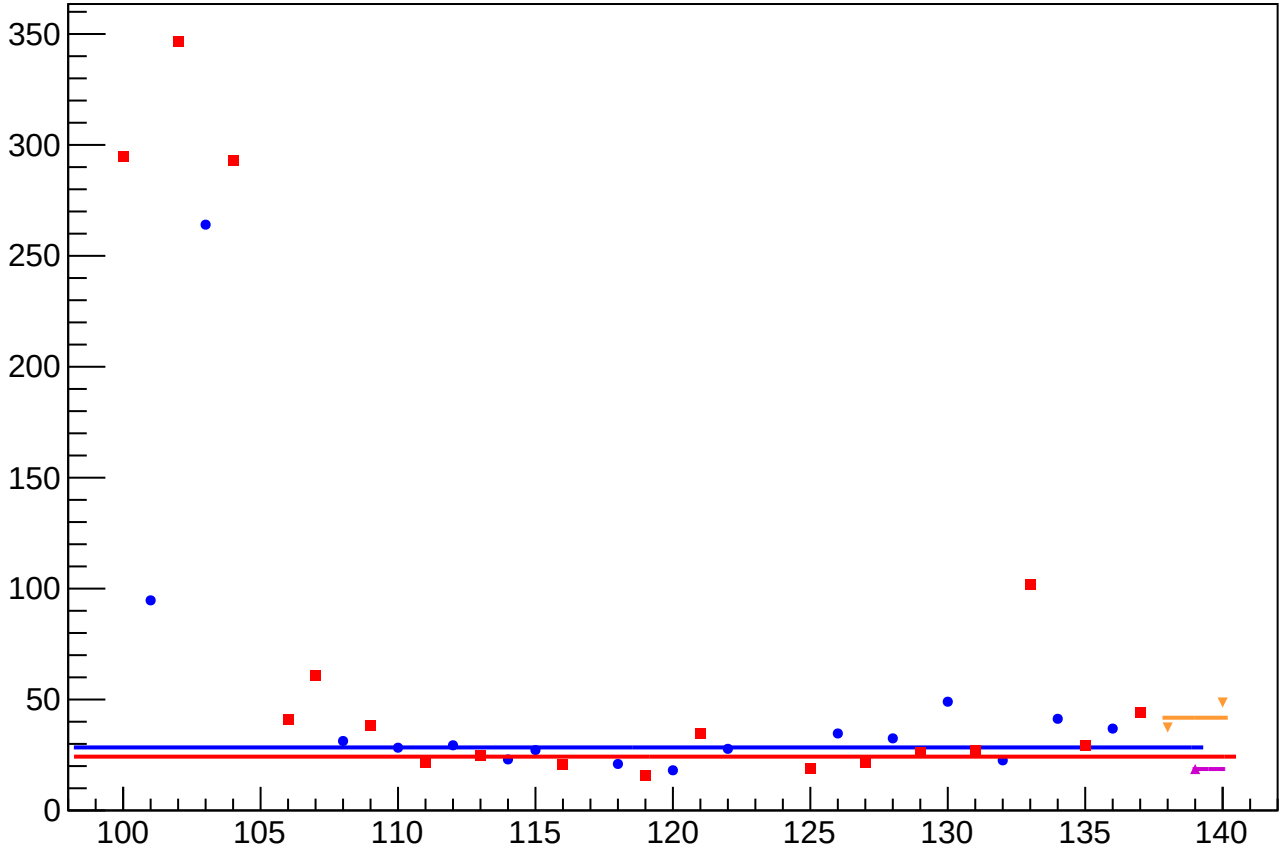
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.012+/-0.011 χ^2/NDF:12.4/16

Out: -0.005+/-0.011 χ^2/NDF:8.3/19

All: -0.008+/-0.008 χ^2/NDF: 21.0/36

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 41.803+/-0.025 χ^2/NDF:50147.5/1

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 18.669+/-0.019 χ^2/NDF:0.0/0

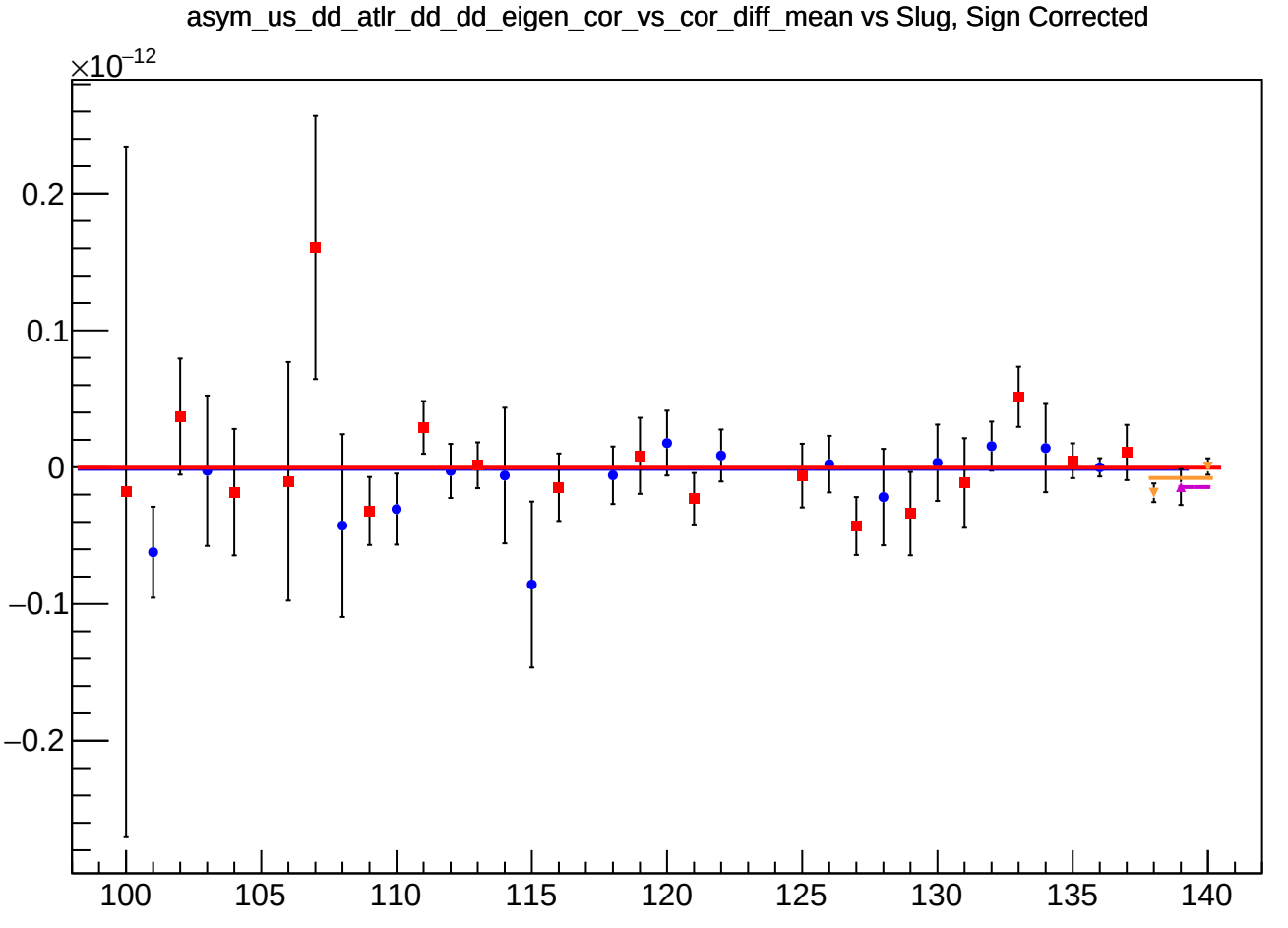
Left: 27.184+/-0.015 χ^2/NDF: 611296.5/2

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 26.682+/-0.008 χ^2/NDF:2468045.8/16

Out: 25.972+/-0.008 χ^2/NDF:3424829.9/19

All: 26.317+/-0.006 χ^2/NDF: 5897035.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

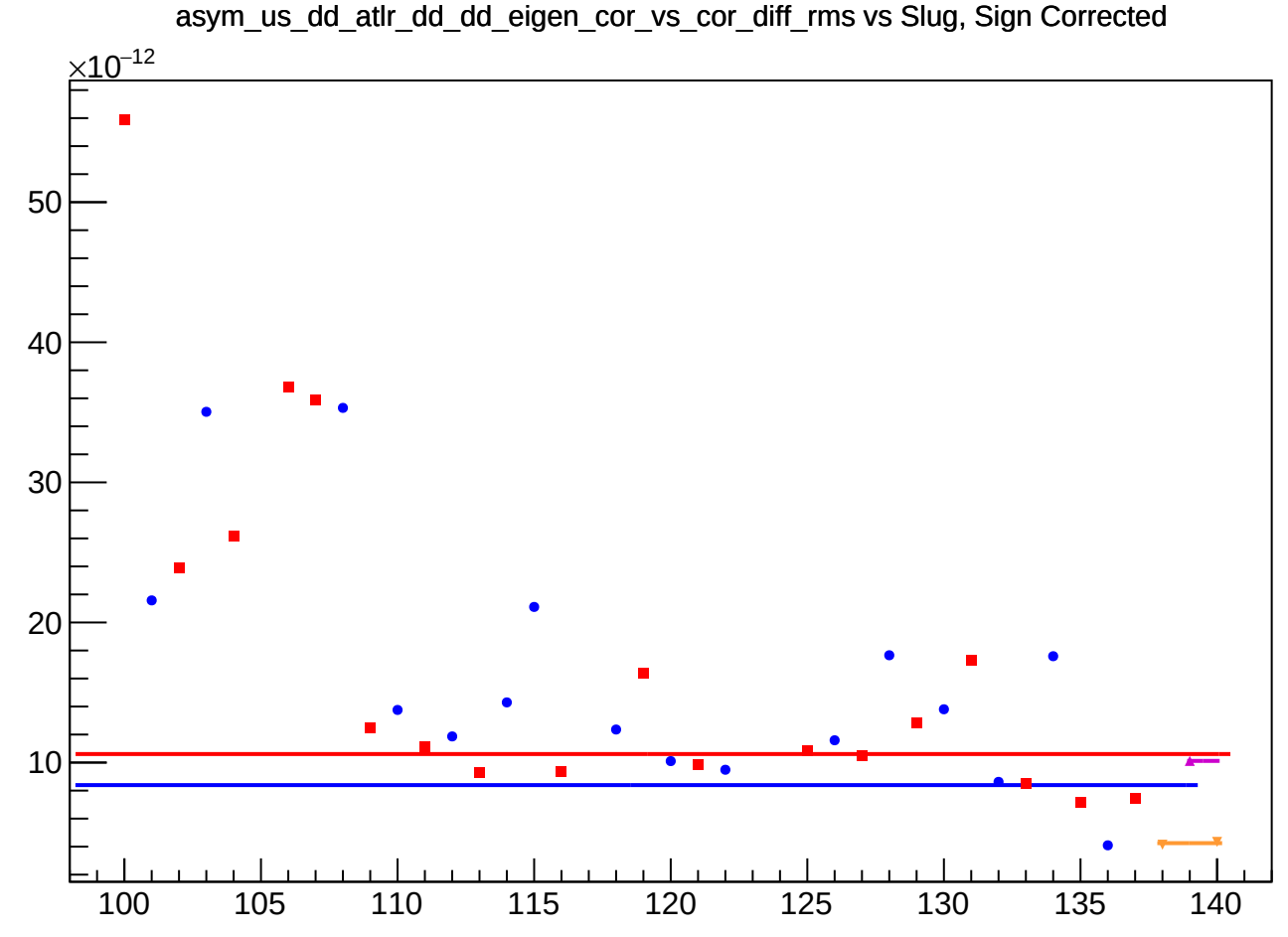
Left: -0.000+/-0.000 χ^2/NDF: 4.7/2

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:10.3/16

Out: -0.000+/-0.000 χ^2/NDF:26.6/19

All: -0.000+/-0.000 χ^2/NDF: 37.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:974.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 358255.1/2

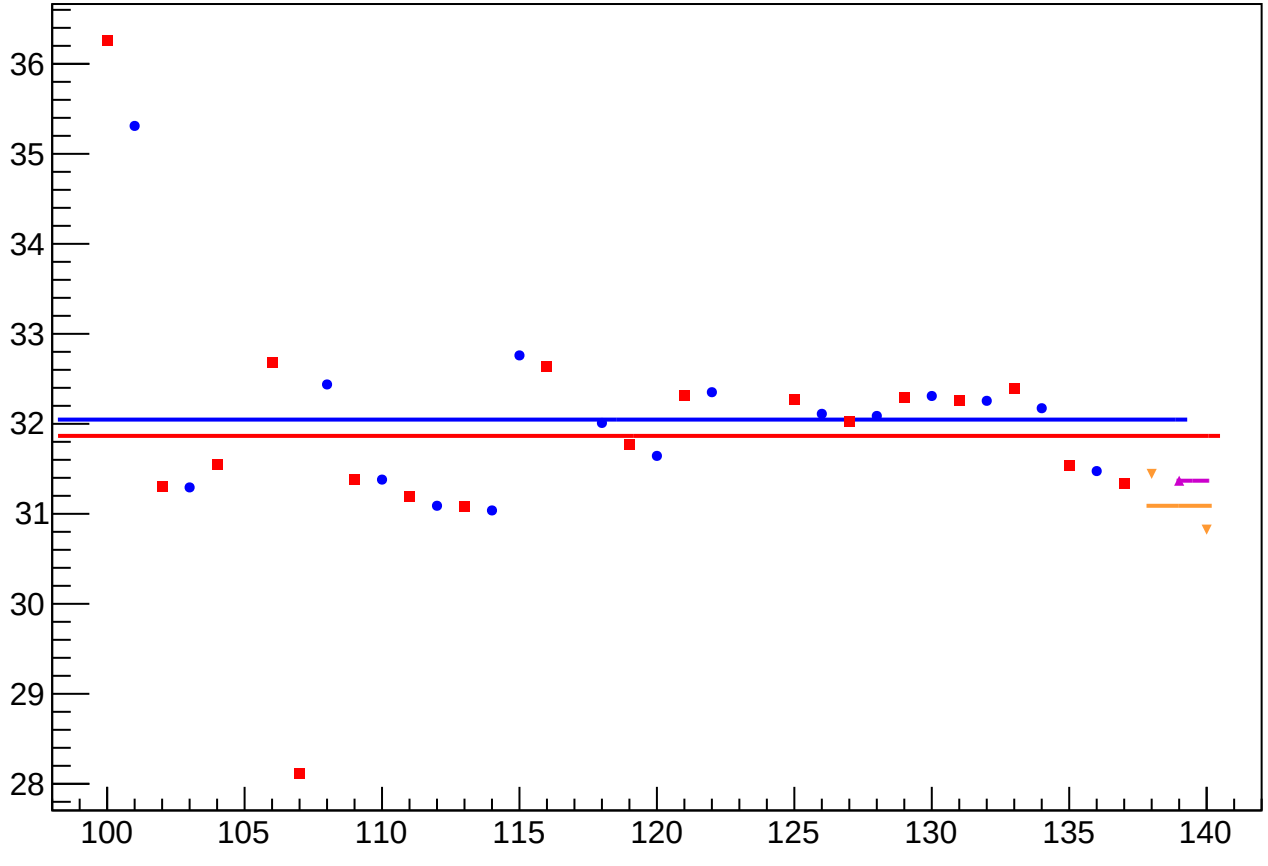
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:2740636.2/16

Out: 0.000+/-0.000 χ^2/NDF:2792316.9/19

All: 0.000+/-0.000 χ^2/NDF: 5742152.0/36

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.089+/-0.000 χ^2/NDF:15417834.3/1

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.368+/-0.000 χ^2/NDF:0.0/0

Left: 31.157+/-0.000 χ^2/NDF: 18509422.1/2

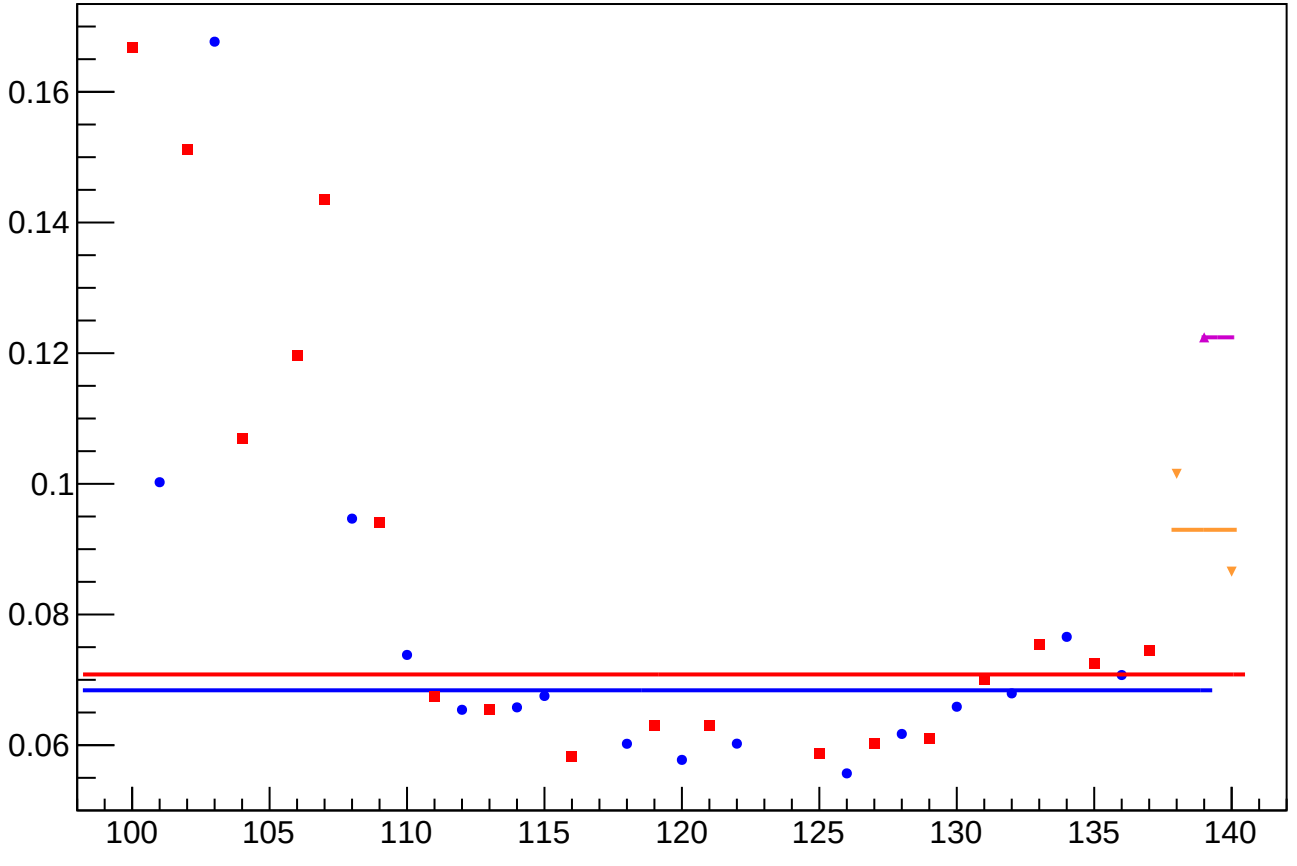
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 32.021+/-0.000 χ^2/NDF:921899707.5/16

Out: 31.775+/-0.000 χ^2/NDF:588812522.6/19

All: 31.898+/-0.000 χ^2/NDF: 1553076632.6/3

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.093+/-0.000 χ^2/NDF:18012.1/1

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.122+/-0.000 χ^2/NDF:0.0/0

Left: 0.100+/-0.000 χ^2/NDF: 87068.1/2

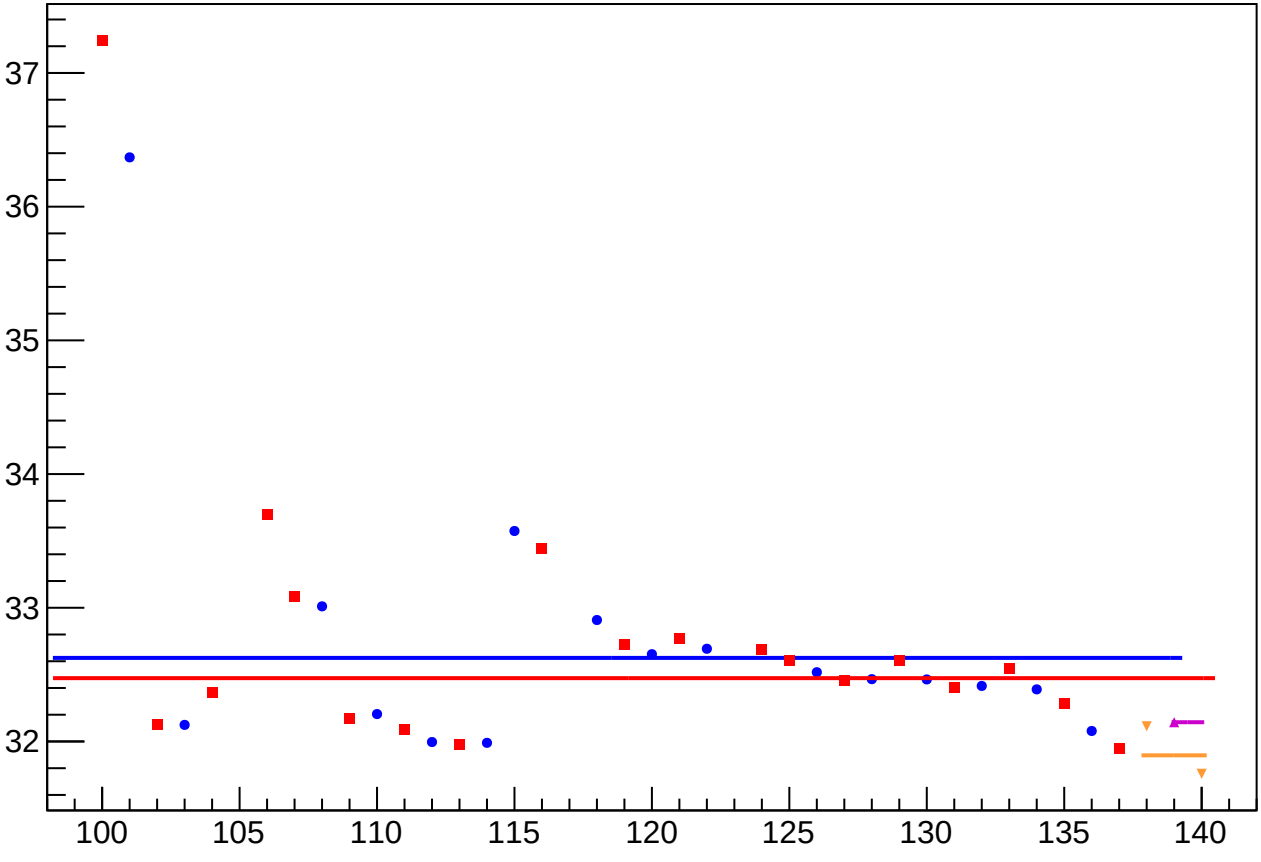
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.070+/-0.000 χ^2/NDF:998220.4/16

Out: 0.073+/-0.000 χ^2/NDF:1028392.4/19

All: 0.072+/-0.000 χ^2/NDF: 2038953.7/36

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 31.896+/-0.000 χ^2/NDF:5457937.0/1

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.144+/-0.000 χ^2/NDF:0.0/0

Left: 31.948+/-0.000 χ^2/NDF: 7780565.1/2

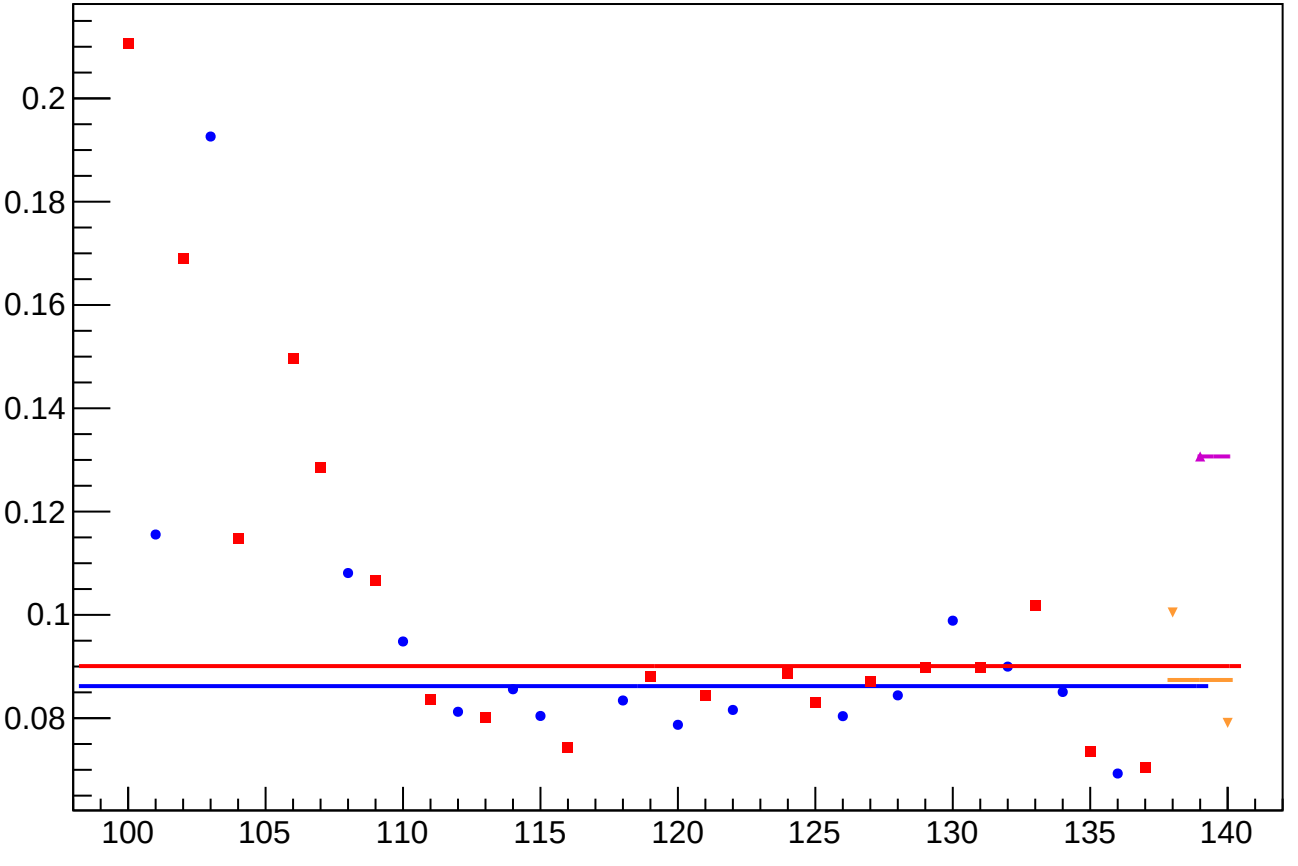
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.599+/-0.000 χ^2/NDF:749619918.5/16

Out: 32.366+/-0.000 χ^2/NDF:211637246.8/20

All: 32.477+/-0.000 χ^2/NDF: 986655466.2/37

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.087+/-0.000 χ^2/NDF:39554.7/1

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.131+/-0.000 χ^2/NDF:0.0/0

Left: 0.096+/-0.000 χ^2/NDF: 181465.7/2

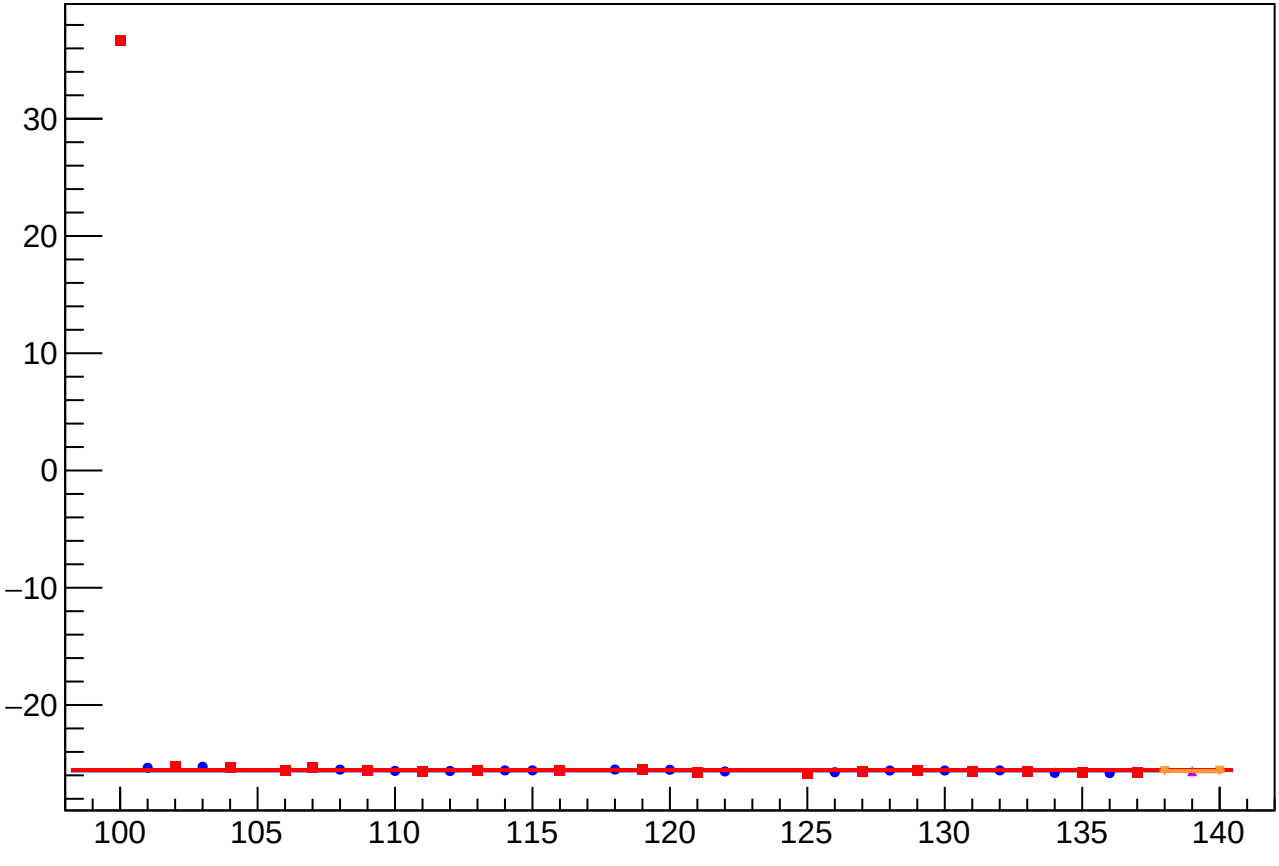
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.089+/-0.000 χ^2/NDF:777738.4/16

Out: 0.090+/-0.000 χ^2/NDF:663544.3/20

All: 0.089+/-0.000 χ^2/NDF: 1442201.9/37

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.625+/-0.000 χ^2/NDF:203153.1/1

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.645+/-0.000 χ^2/NDF:0.0/0

Left: -25.632+/-0.000 χ^2/NDF: 316750.8/2

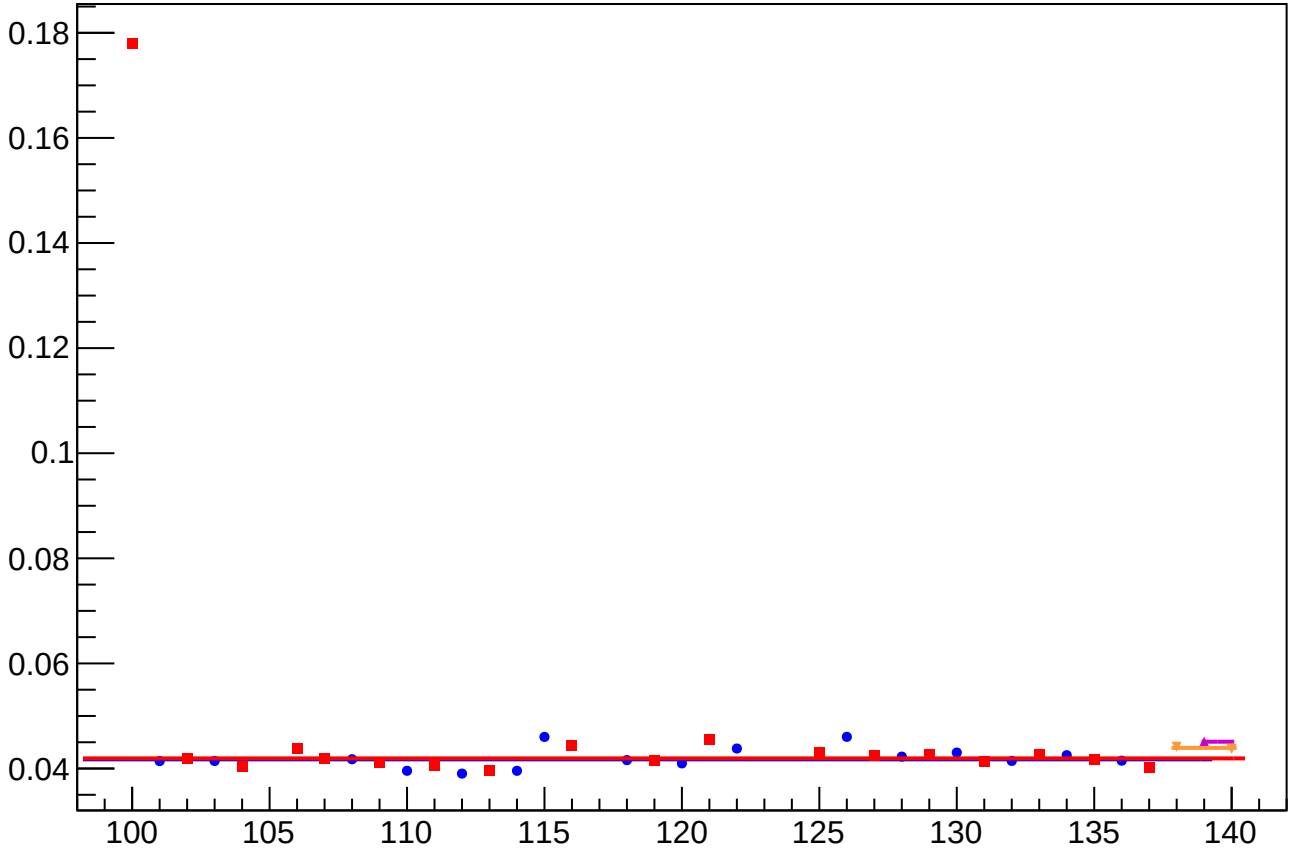
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.585+/-0.000 χ^2/NDF:100031800.0/16

Out: -25.557+/-0.000 χ^2/NDF:8912318717.3/19

All: -25.571+/-0.000 χ^2/NDF: 9014146267.3/

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.044+/-0.000 χ^2/NDF:68.6/1

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.045+/-0.000 χ^2/NDF:0.0/0

Left: 0.044+/-0.000 χ^2/NDF: 829.1/2

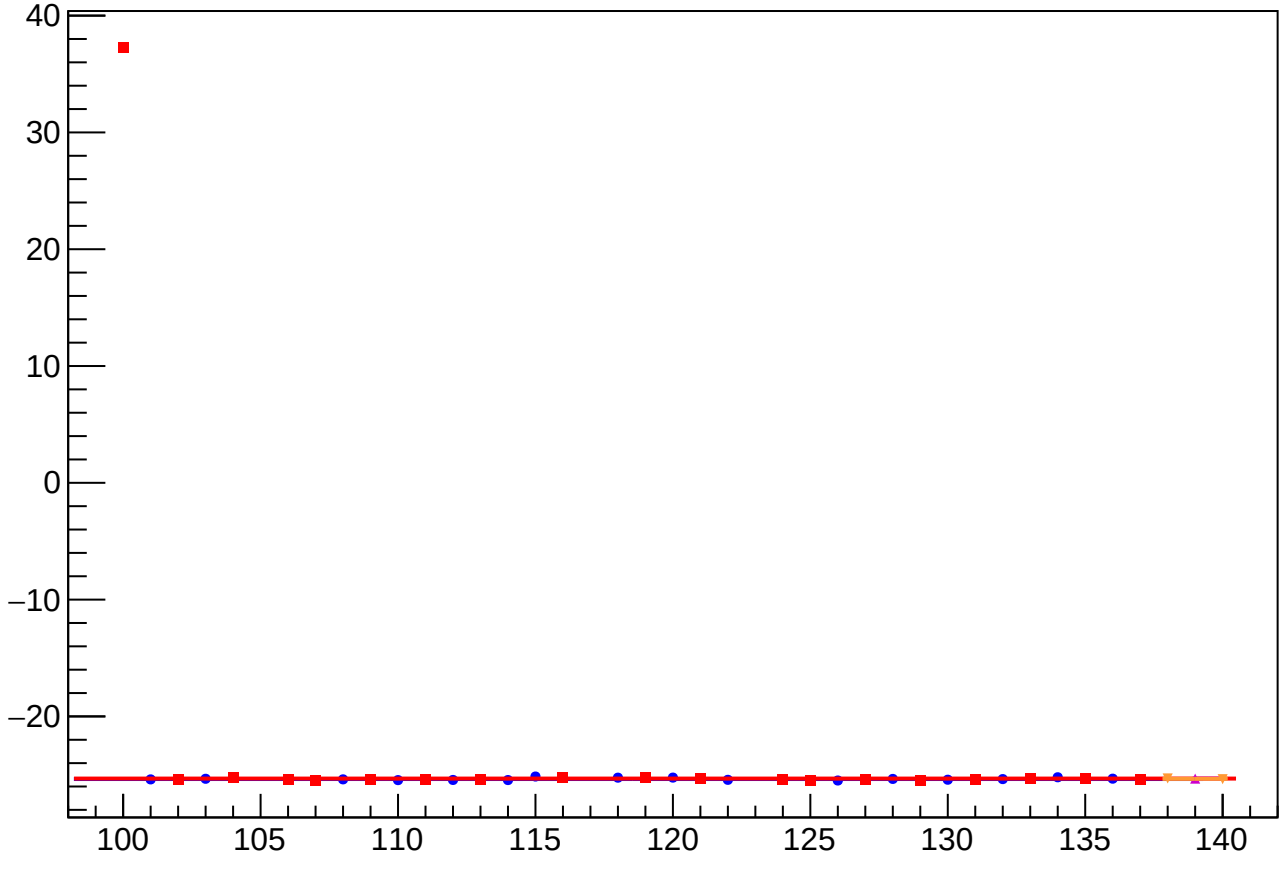
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:29099.6/16

Out: 0.042+/-0.000 χ^2/NDF:105726.0/19

All: 0.042+/-0.000 χ^2/NDF: 135038.3/36

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.344+/-0.000 χ^2/NDF:495179.1/1

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.325+/-0.000 χ^2/NDF:0.0/0

Left: -25.338+/-0.000 χ^2/NDF: 556298.7/2

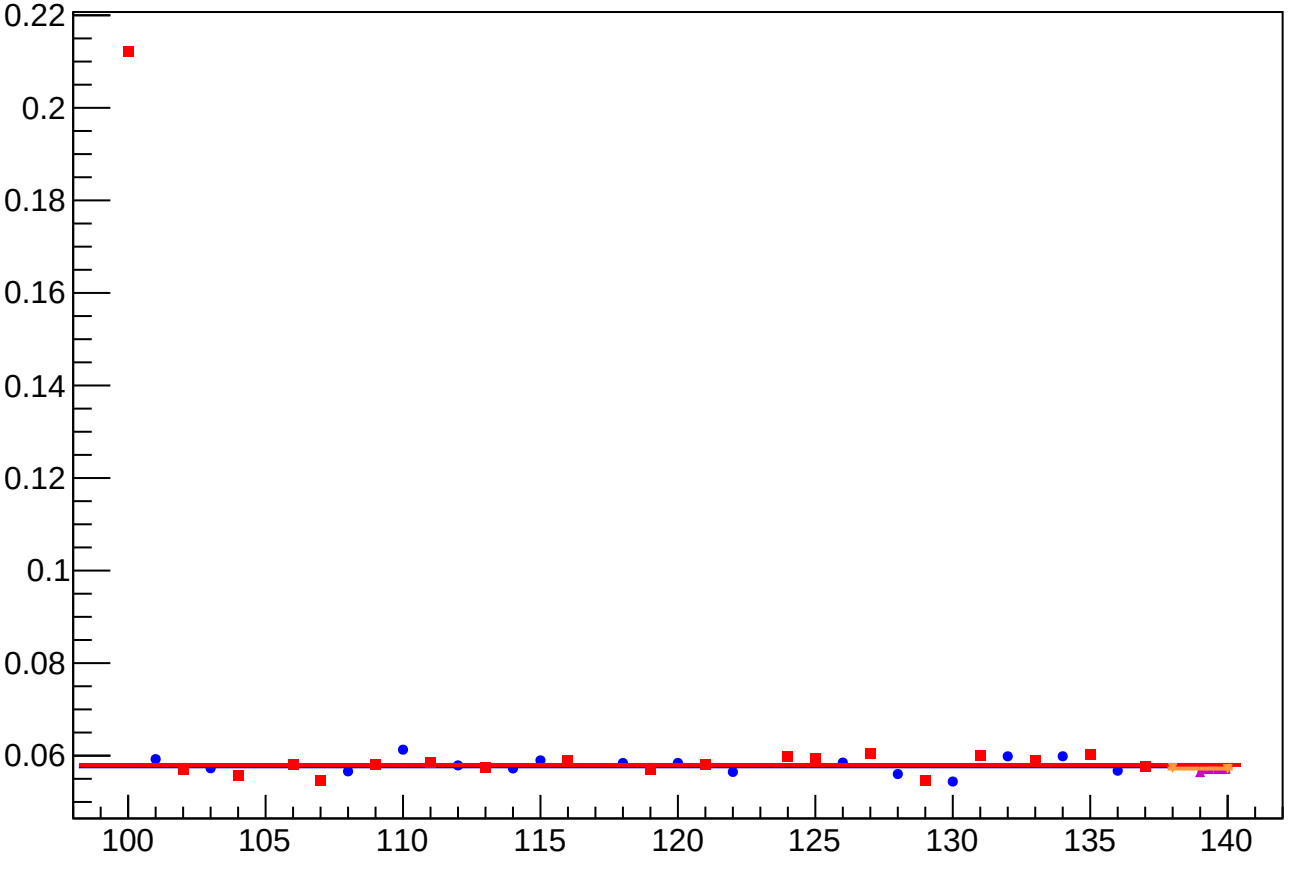
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.356+/-0.000 χ^2/NDF:13565122.0/16

Out: -25.326+/-0.000 χ^2/NDF:6315595408.8/20

All: -25.340+/-0.000 χ^2/NDF: 6330301686.8/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.057+/-0.000 χ^2/NDF:9.7/1

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:0.0/0

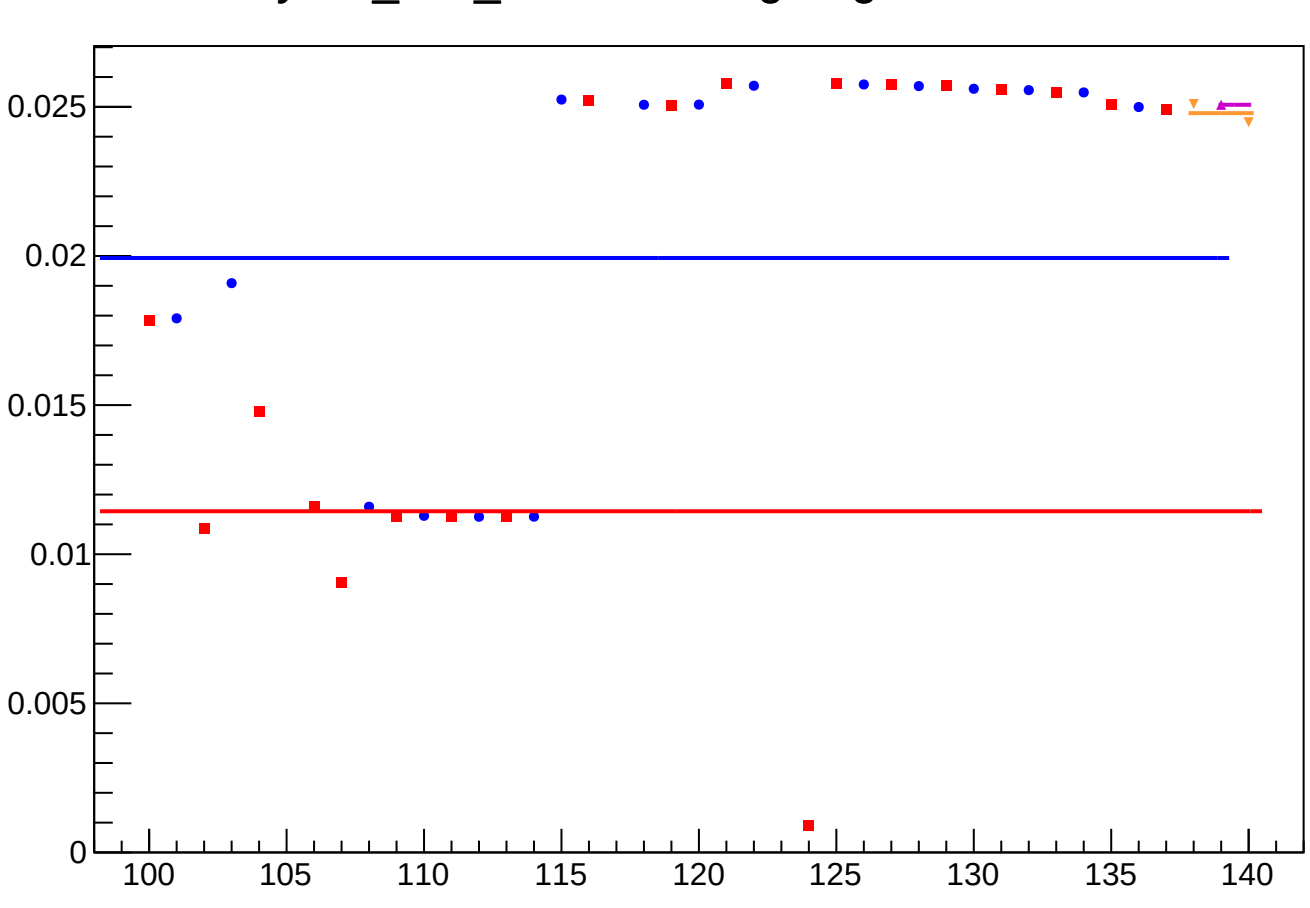
Left: 0.057+/-0.000 χ^2/NDF: 201.0/2

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.058+/-0.000 χ^2/NDF:12467.0/16

Out: 0.058+/-0.000 χ^2/NDF:89170.8/20

All: 0.058+/-0.000 χ^2/NDF: 101844.9/37



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:22518627.0/1

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:0.0/0

Left: 0.025+/-0.000 χ^2/NDF: 28302265.1/2

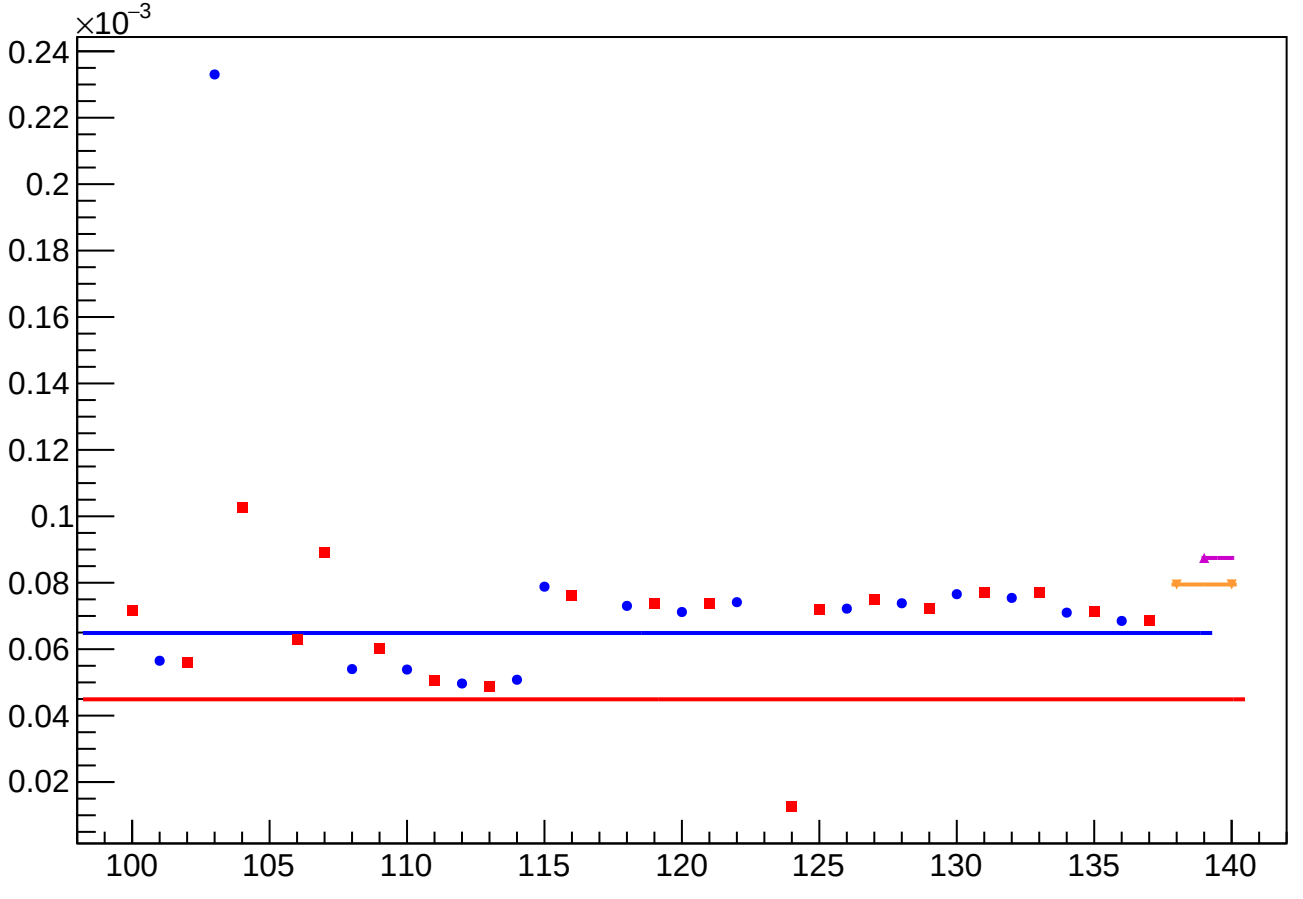
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.020+/-0.000 χ^2/NDF:65064955619.5/16

Out: 0.013+/-0.000 χ^2/NDF:293287324681.5/20

All: 0.015+/-0.000 χ^2/NDF: 419055749449.2

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 9355.5/2

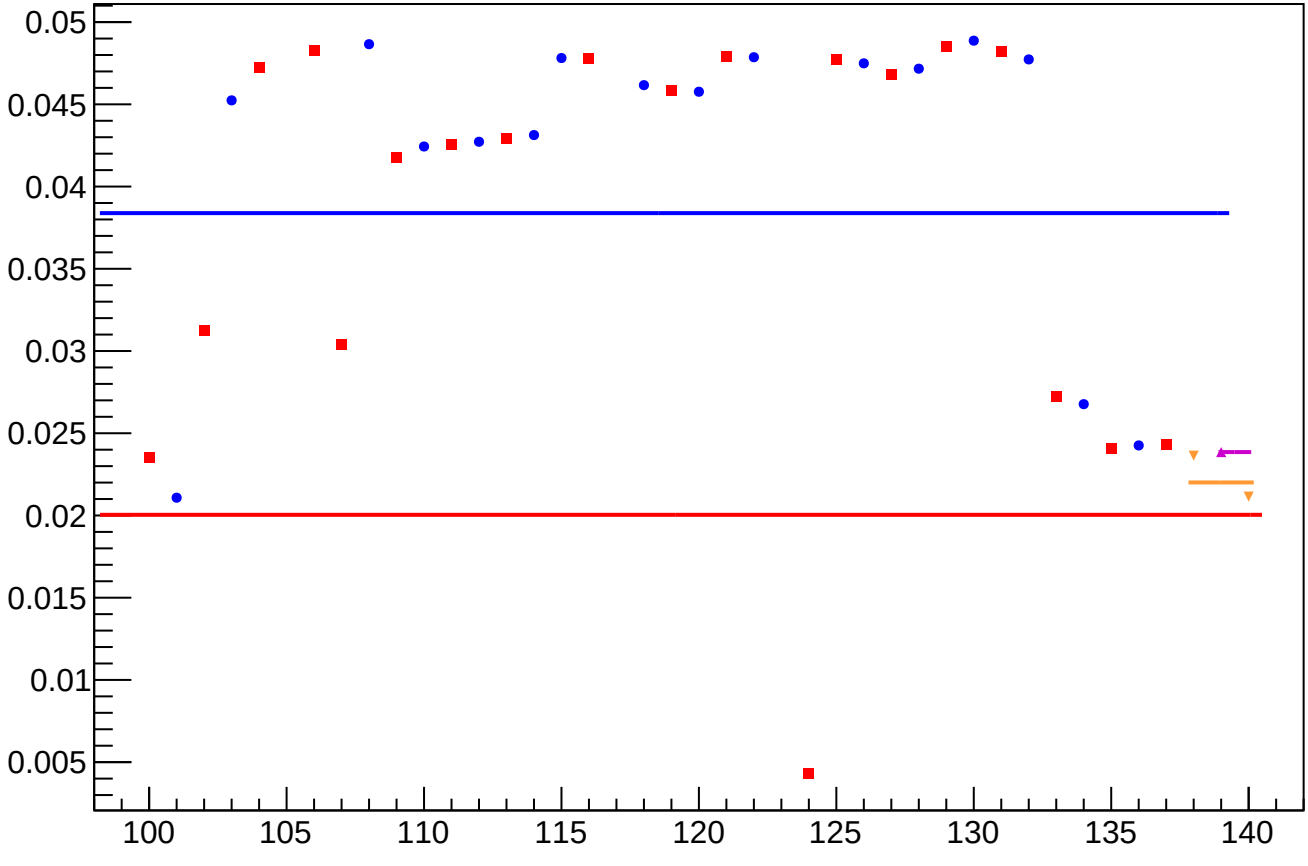
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:917440.2/16

Out: 0.000+/-0.000 χ^2/NDF:4298848.3/20

All: 0.000+/-0.000 χ^2/NDF: 5916437.8/37

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.022+/-0.000 χ^2/NDF:23607359.1/1

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.024+/-0.000 χ^2/NDF:0.0/0

Left: 0.022+/-0.000 χ^2/NDF: 32556678.8/2

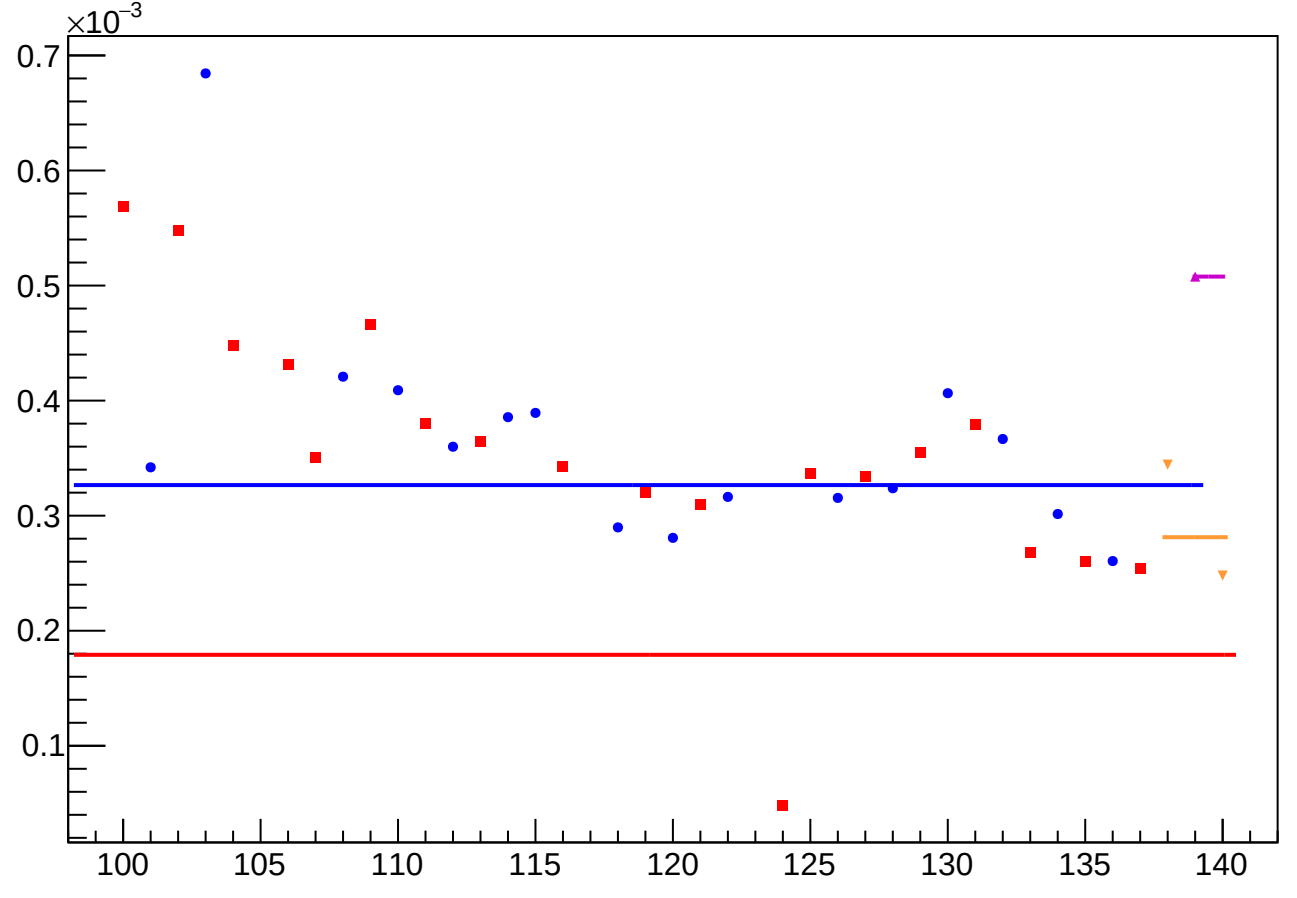
Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.038+/-0.000 χ^2/NDF:7701328550.2/16

Out: 0.020+/-0.000 χ^2/NDF:42265961788.3/20

All: 0.026+/-0.000 χ^2/NDF: 62964016667.9/3

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:70830.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.001+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 339845.5/2

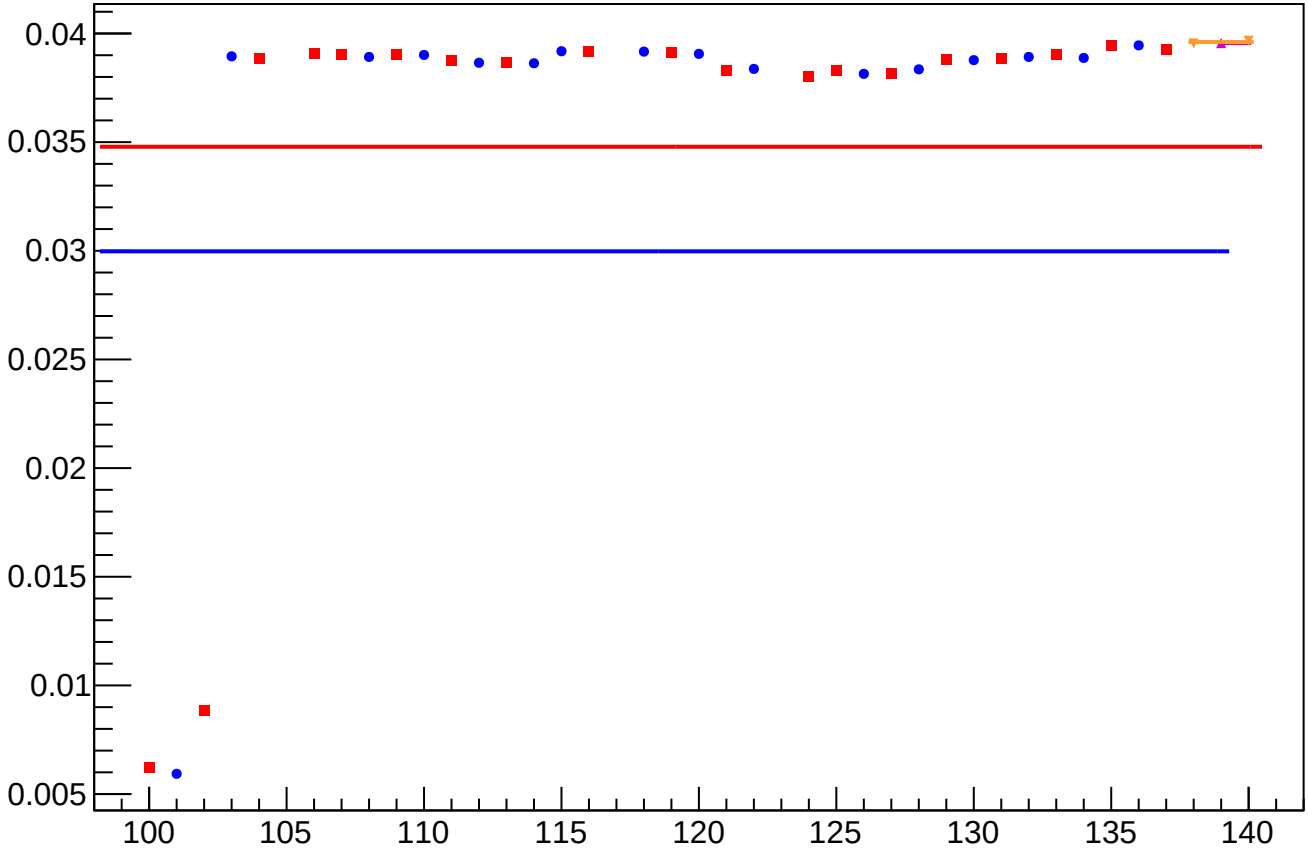
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:775152.9/16

Out: 0.000+/-0.000 χ^2/NDF:6041177.3/20

All: 0.000+/-0.000 χ^2/NDF: 8604034.6/37

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:296558.8/1

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:0.0/0

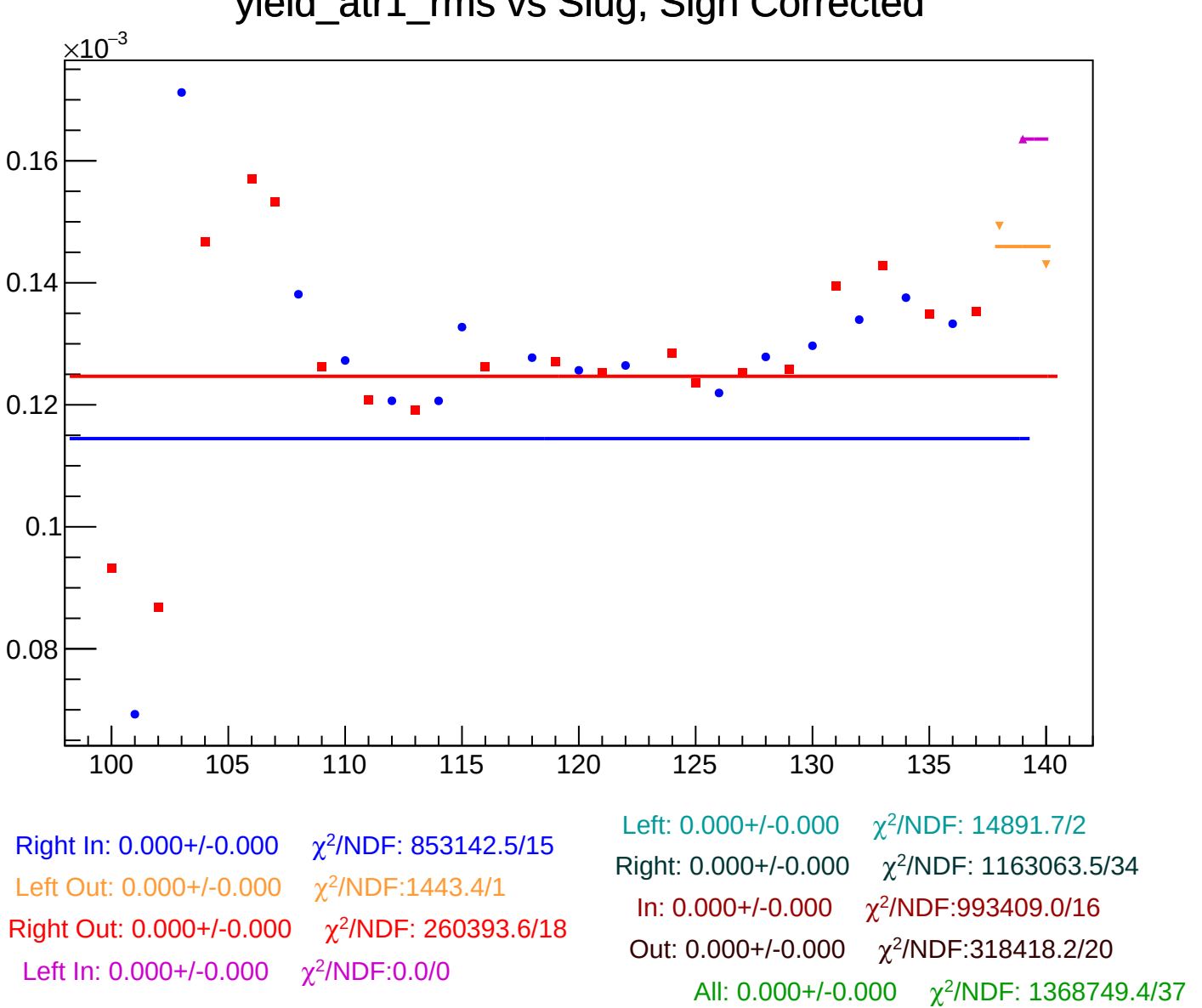
Left: 0.040+/-0.000 χ^2/NDF: 353266.7/2

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

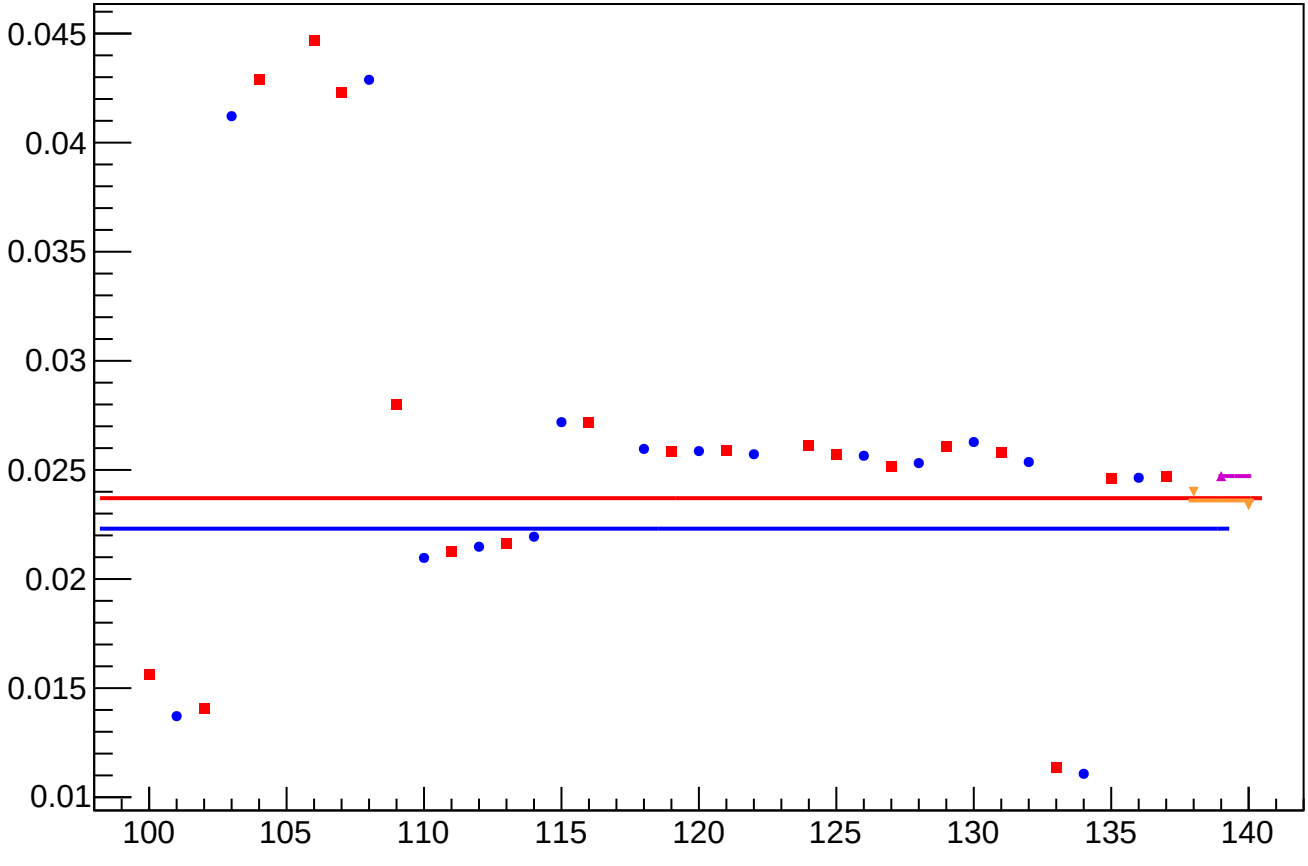
In: 0.031+/-0.000 χ^2/NDF:110946958093.5/16

Out: 0.035+/-0.000 χ^2/NDF:48717515581.3/20

All: 0.033+/-0.000 χ^2/NDF: 166108575719.9


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.16
0.14
0.12
0.1
0.08
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 853142.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1443.4/1
Right Out: 0.000+/-0.000 χ²/NDF: 260393.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 14891.7/2
Right: 0.000+/-0.000 χ²/NDF: 1163063.5/34
In: 0.000+/-0.000 χ²/NDF:993409.0/16
Out: 0.000+/-0.000 χ²/NDF:318418.2/20
All: 0.000+/-0.000 χ²/NDF: 1368749.4/37

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.024+/-0.000 χ^2/NDF:1691736.8/1

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.025+/-0.000 χ^2/NDF:0.0/0

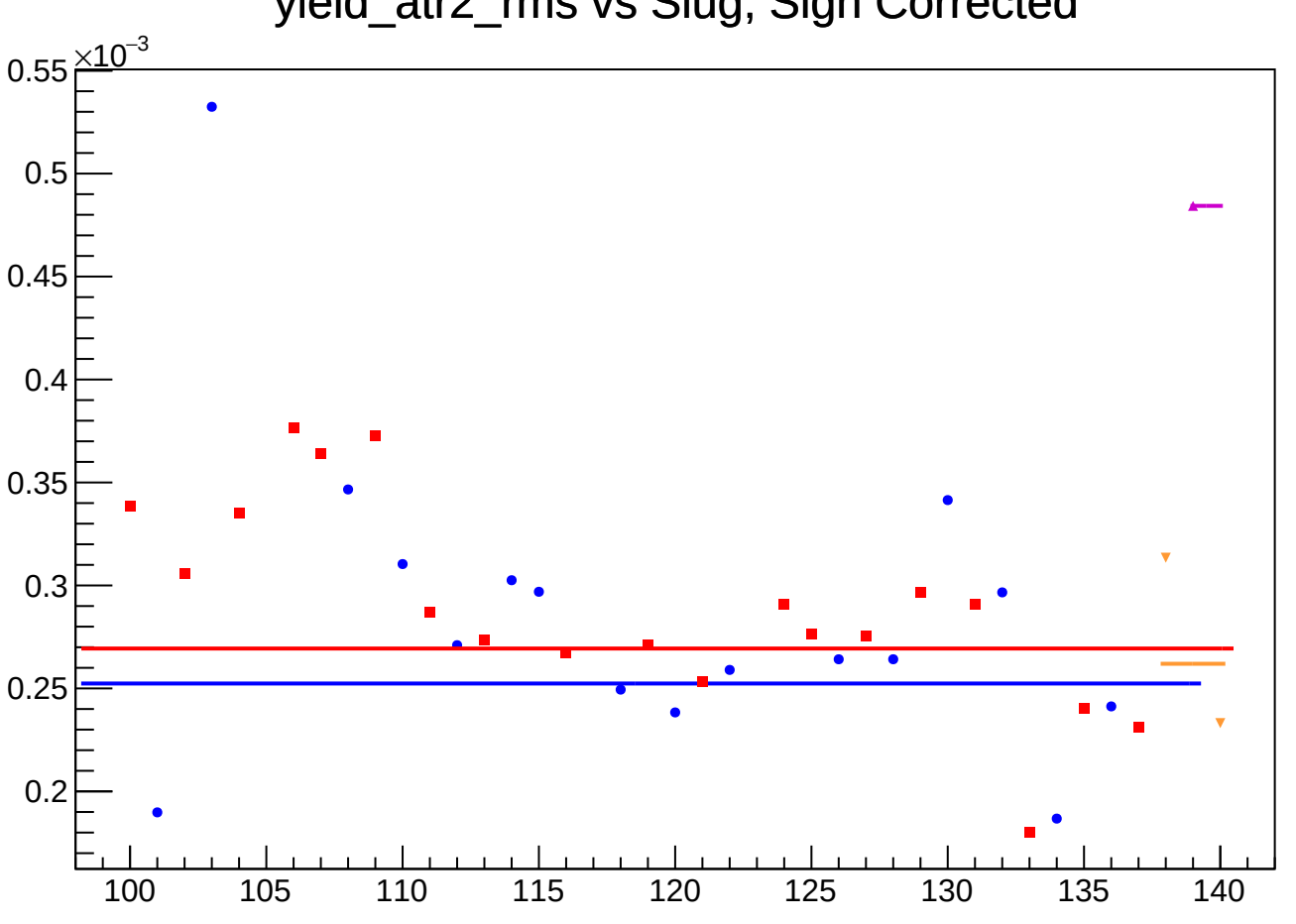
Left: 0.024+/-0.000 χ^2/NDF: 5345274.2/2

Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.022+/-0.000 χ^2/NDF:5031892322.2/16

Out: 0.024+/-0.000 χ^2/NDF:5583728848.0/20

All: 0.023+/-0.000 χ^2/NDF: 10703922941.2/3



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:57209.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 347269.3/2

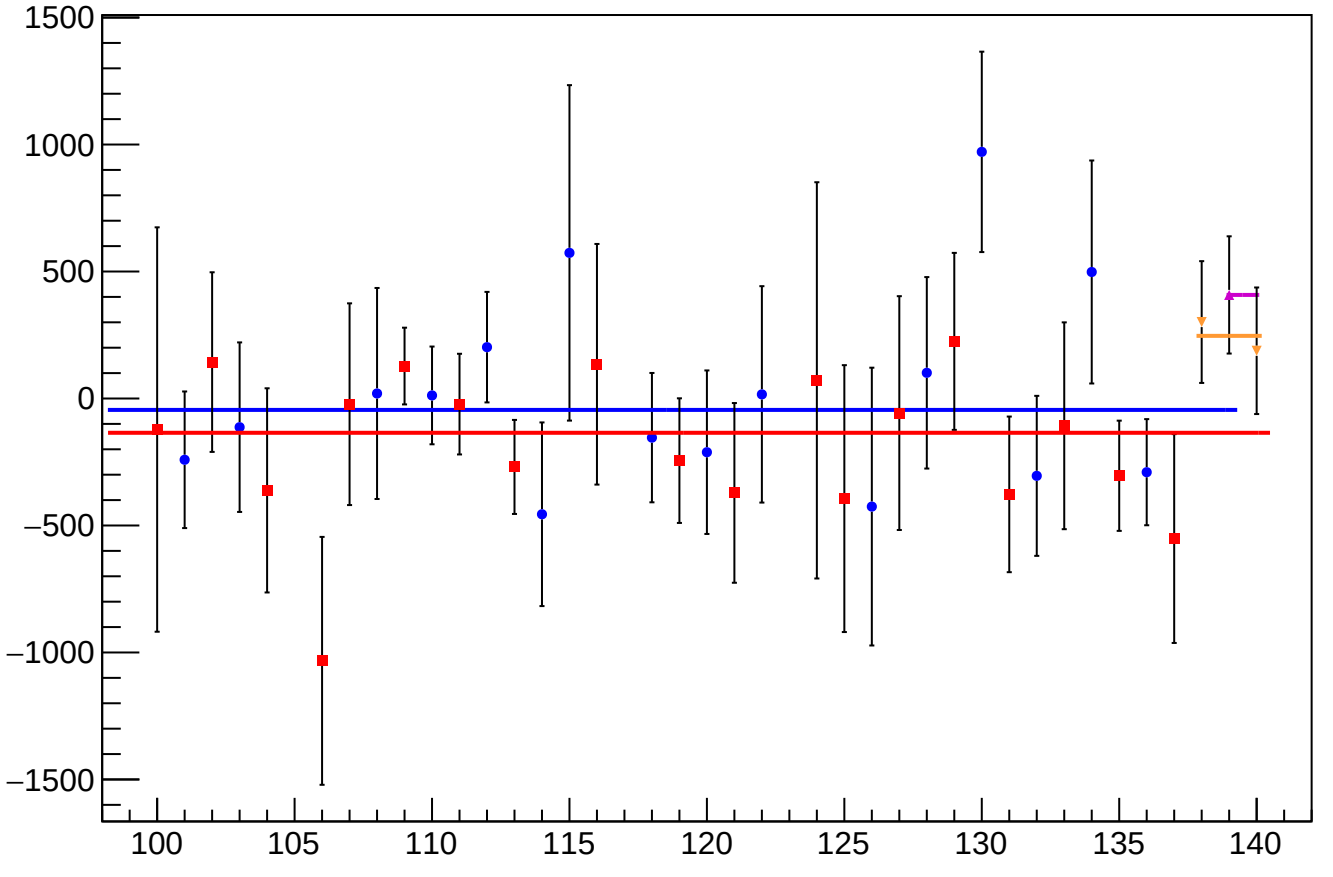
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1067424.5/16

Out: 0.000+/-0.000 χ^2/NDF:505307.0/20

All: 0.000+/-0.000 χ^2/NDF: 1579070.9/37

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 246.668+/-172.758 χ^2/NDF:0.1/1

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 407.815+/-230.829 χ^2/NDF:0.0/0

Left: 304.525+/-138.311 χ^2/NDF: 0.4/2

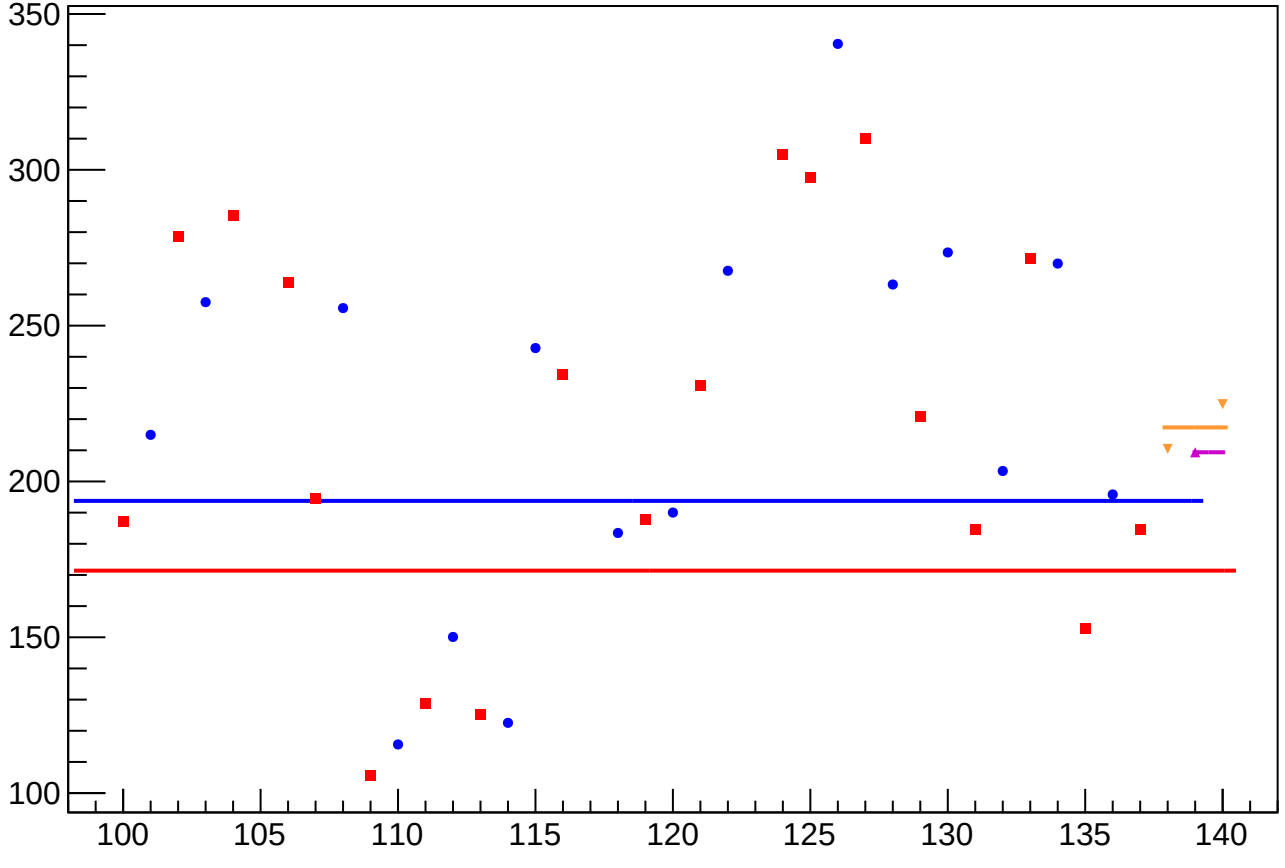
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: -0.430+/-72.358 χ^2/NDF:18.9/16

Out: -83.716+/-63.325 χ^2/NDF:17.3/20

All: -47.593+/-47.653 χ^2/NDF: 36.9/37

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 217.347+/-0.122 χ^2/NDF:3450.2/1

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 209.362+/-0.163 χ^2/NDF:0.0/0

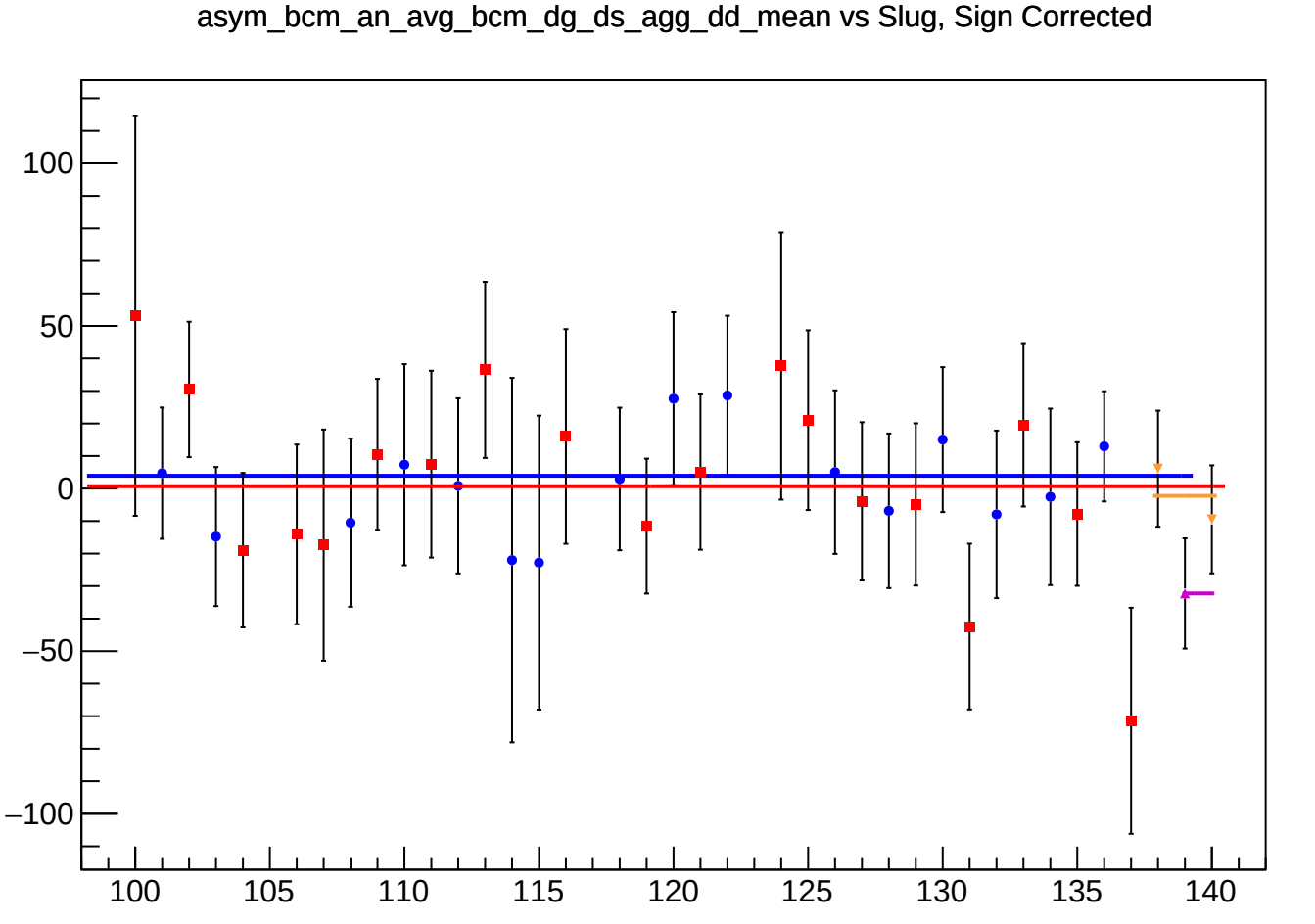
Left: 214.480+/-0.098 χ^2/NDF: 4984.2/2

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

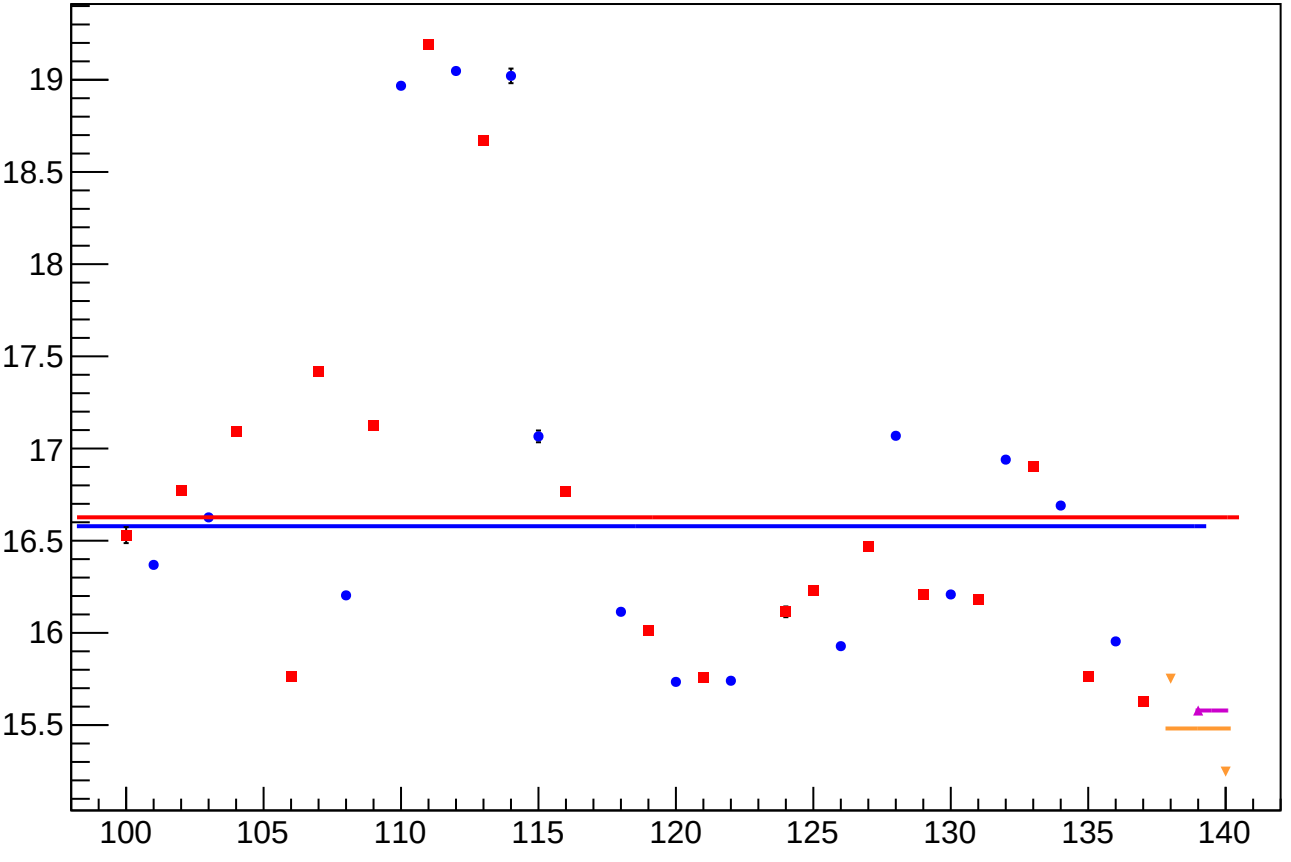
In: 195.300+/-0.051 χ^2/NDF:1056326.4/16

Out: 177.558+/-0.045 χ^2/NDF:1784089.9/20

All: 185.253+/-0.034 χ^2/NDF: 2908511.1/37


asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
105
110
115
120
125
130
135
140
Right In: 3.923+/-6.172 χ²/NDF: 4.5/15
Left Out: -2.250+/-12.158 χ²/NDF:0.4/1
Right Out: 0.714+/-6.077 χ²/NDF: 15.9/18
Left In: -32.265+/-16.946 χ²/NDF:0.0/0
Left: -12.449+/-9.878 χ²/NDF: 2.5/2
Right: 2.294+/-4.330 χ²/NDF: 20.5/34
In: -0.315+/-5.799 χ²/NDF:8.5/16
Out: 0.121+/-5.436 χ²/NDF:16.4/20
All: -0.083+/-3.966 χ²/NDF: 24.9/37

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.481+/-0.009 χ^2/NDF:854.9/1

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.579+/-0.012 χ^2/NDF:0.0/0

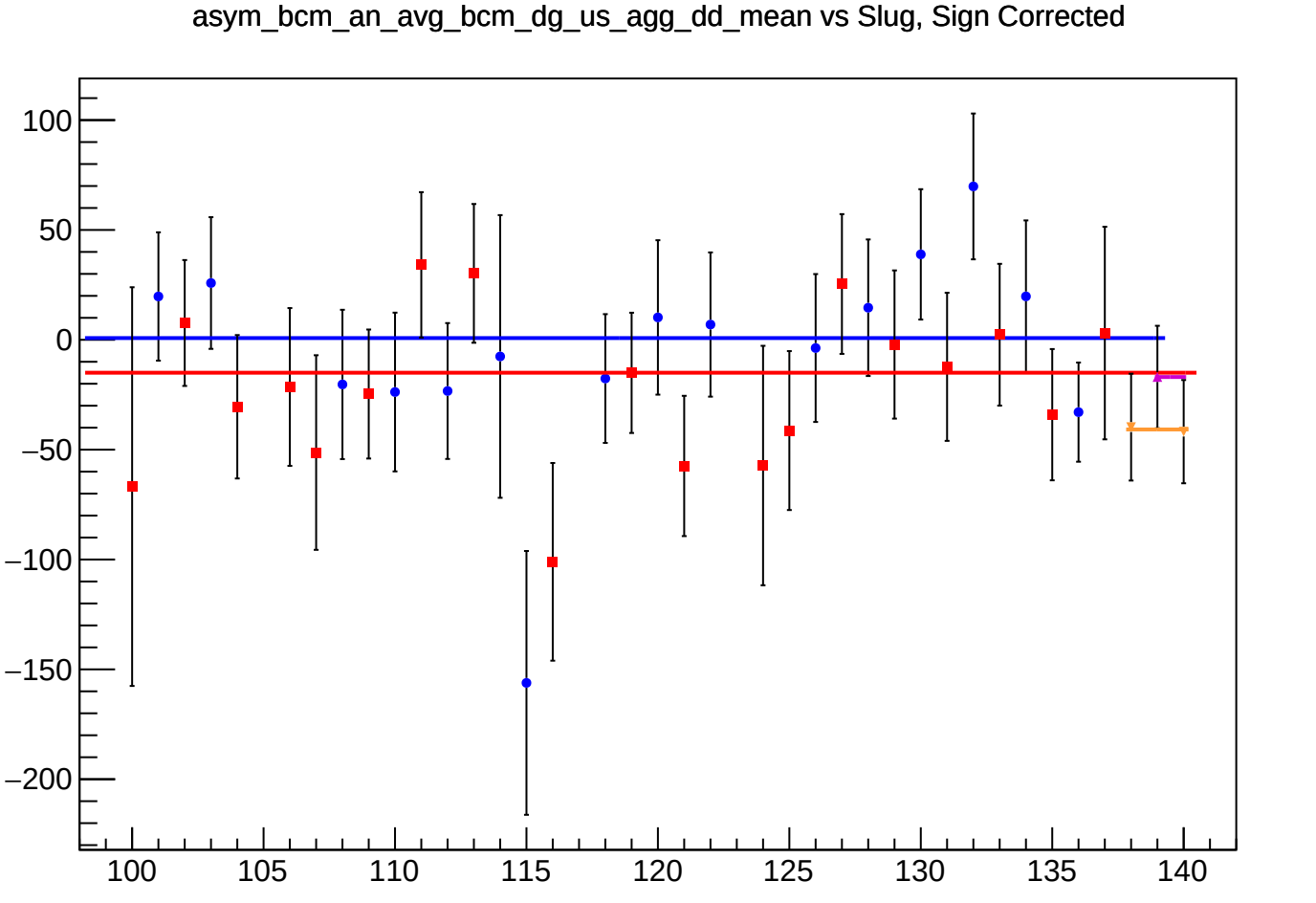
Left: 15.515+/-0.007 χ^2/NDF: 898.7/2

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 16.462+/-0.004 χ^2/NDF:50719.9/16

Out: 16.398+/-0.004 χ^2/NDF:58521.5/20

All: 16.428+/-0.003 χ^2/NDF: 109369.6/37



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -40.810+/-16.898 χ^2/NDF:0.0/1

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -16.940+/-23.320 χ^2/NDF:0.0/0

Left: -32.592+/-13.683 χ^2/NDF: 0.7/2

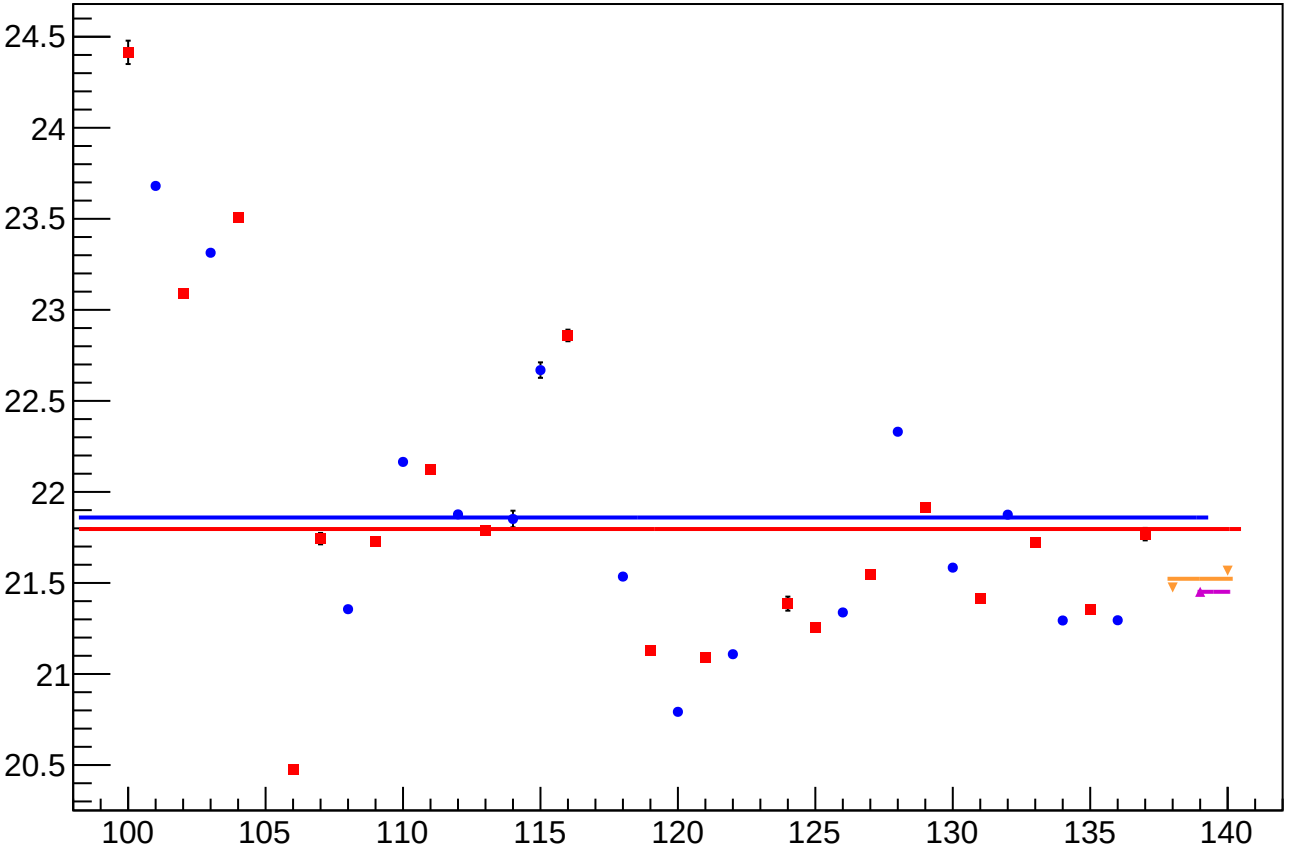
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -1.129+/-7.672 χ^2/NDF:19.2/16

Out: -19.665+/-7.196 χ^2/NDF:17.3/20

All: -10.990+/-5.249 χ^2/NDF: 39.6/37

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.523+/-0.012 χ^2/NDF:14.9/1

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.451+/-0.016 χ^2/NDF:0.0/0

Left: 21.498+/-0.010 χ^2/NDF: 27.2/2

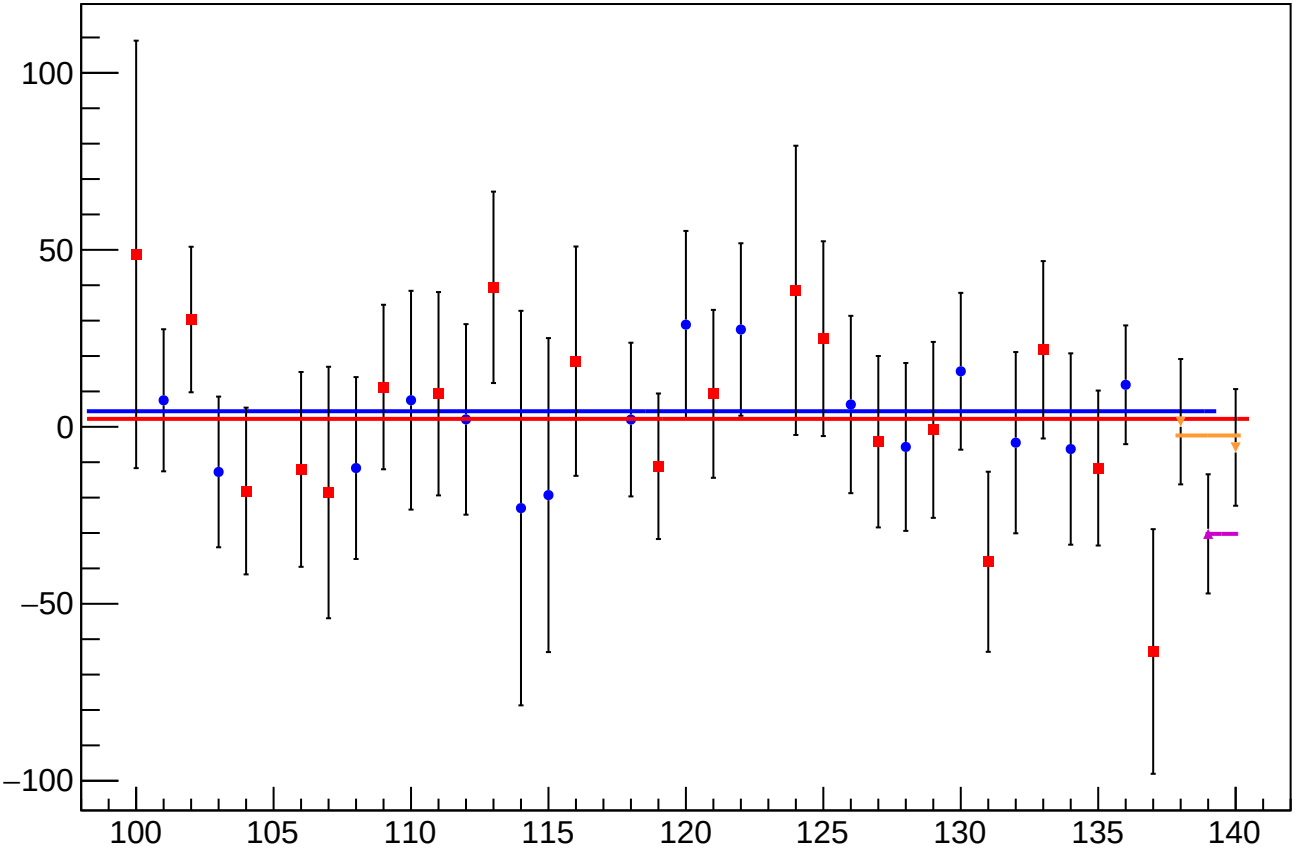
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.815+/-0.005 χ^2/NDF:20014.5/16

Out: 21.747+/-0.005 χ^2/NDF:19304.4/20

All: 21.779+/-0.004 χ^2/NDF: 39404.2/37

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -2.445+/-12.064 χ^2/NDF:0.1/1

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -30.242+/-16.836 χ^2/NDF:0.0/0

Left: -11.876+/-9.806 χ^2/NDF: 1.9/2

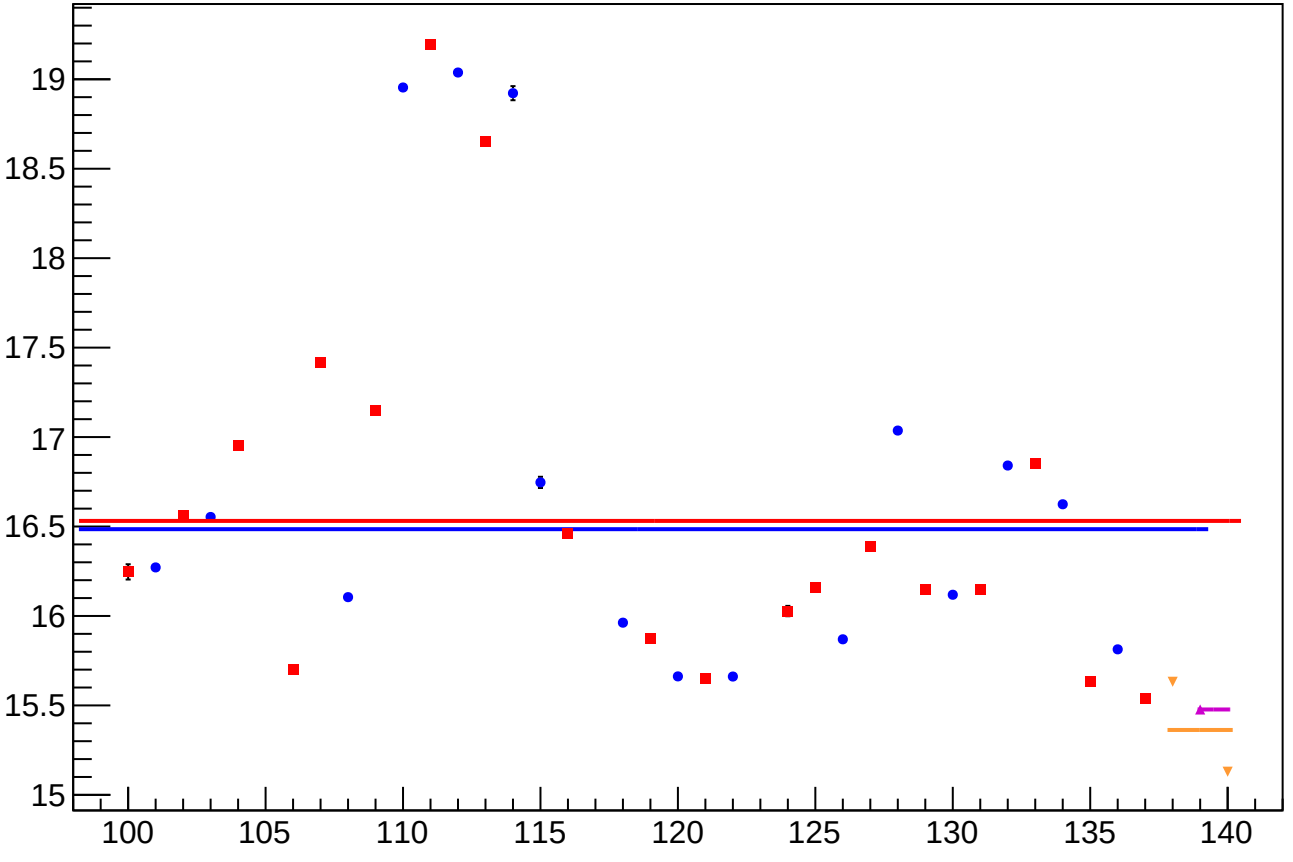
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 0.340+/-5.766 χ^2/NDF:8.0/16

Out: 1.304+/-5.403 χ^2/NDF:15.6/20

All: 0.853+/-3.942 χ^2/NDF: 23.6/37

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.363+/-0.009 χ^2/NDF:863.7/1

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.477+/-0.012 χ^2/NDF:0.0/0

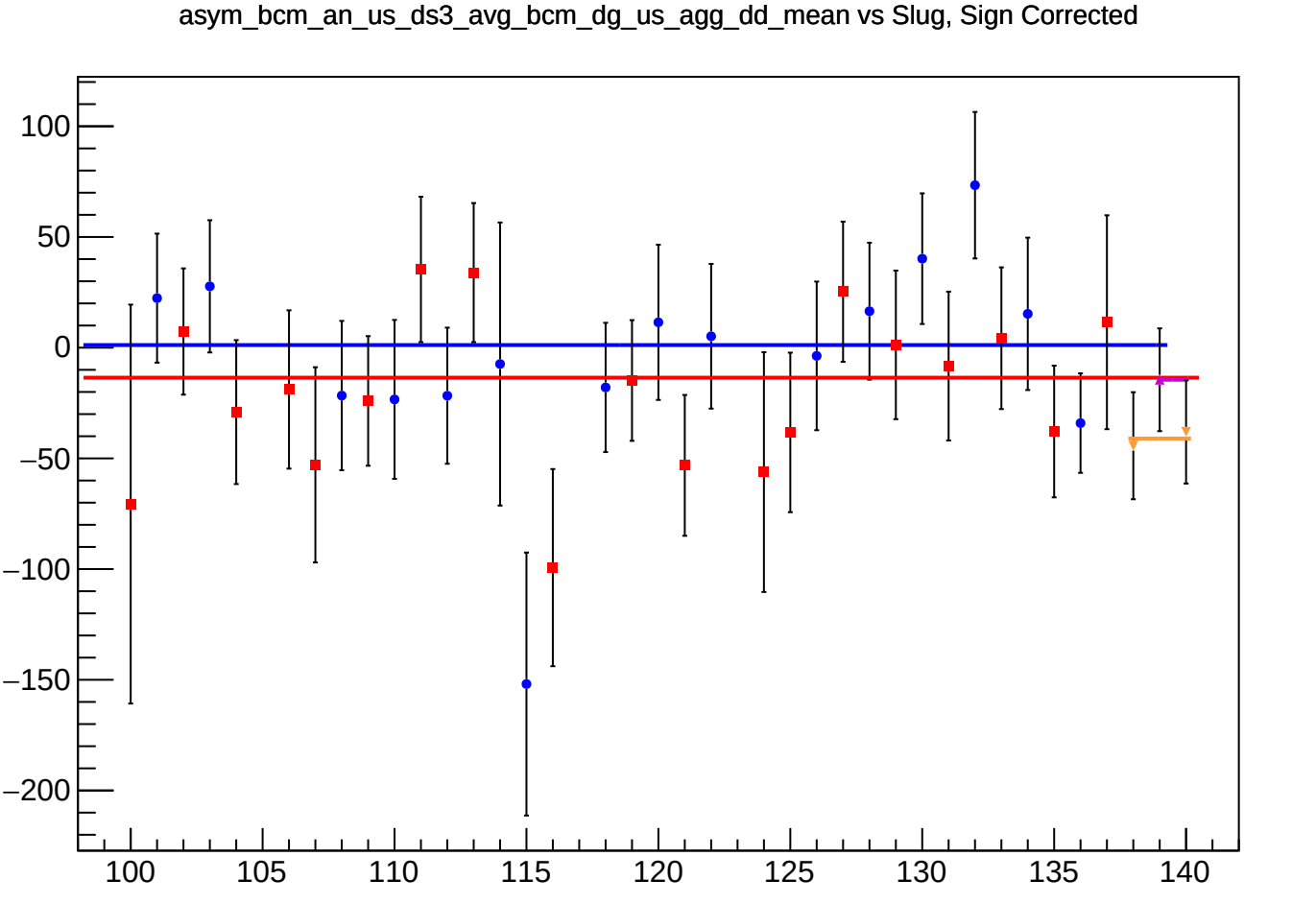
Left: 15.402+/-0.007 χ^2/NDF: 924.9/2

Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 16.367+/-0.004 χ^2/NDF:53512.3/16

Out: 16.297+/-0.004 χ^2/NDF:62337.2/20

All: 16.330+/-0.003 χ^2/NDF: 116006.1/37



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -41.027+/-16.805 χ^2/NDF:0.0/1

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -14.487+/-23.211 χ^2/NDF:0.0/0

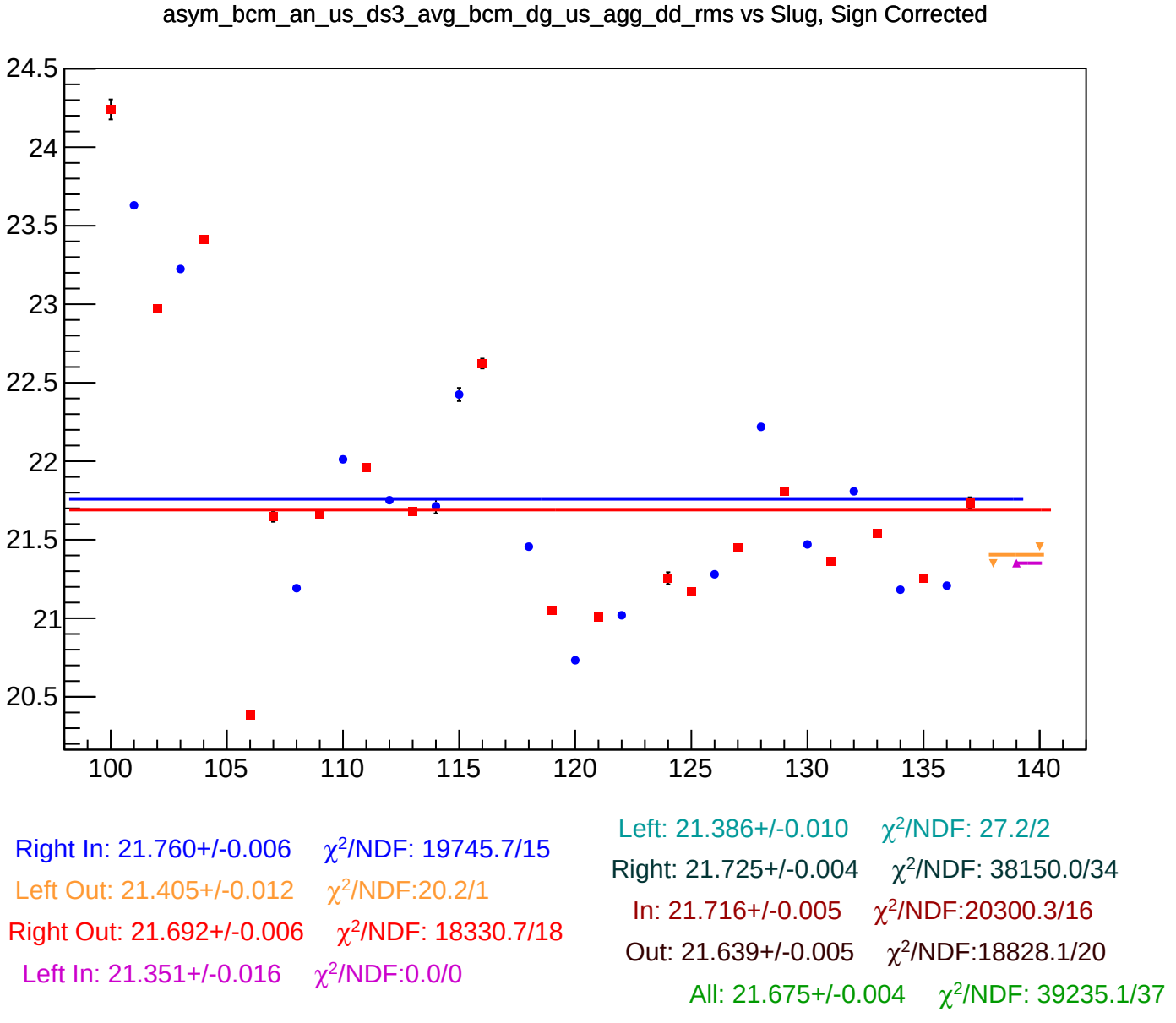
Left: -31.900+/-13.612 χ^2/NDF: 0.9/2

Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

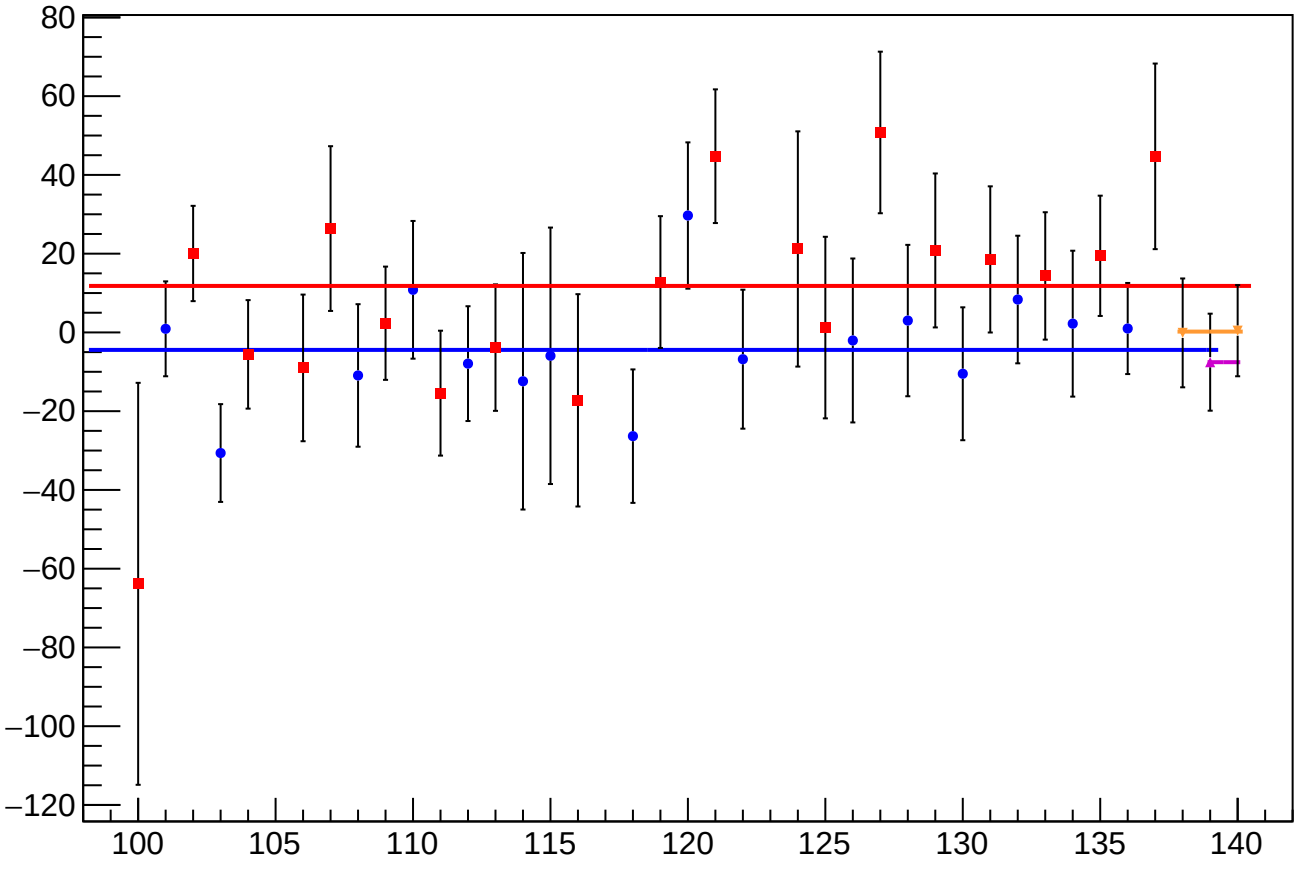
In: -0.512+/-7.637 χ^2/NDF:19.8/16

Out: -18.538+/-7.161 χ^2/NDF:18.2/20

All: -10.105+/-5.224 χ^2/NDF: 40.9/37


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected
24.5
24
23.5
23
22.5
22
21.5
21
20.5
100
105
110
115
120
125
130
135
140
Right In: 21.760+/-0.006 χ²/NDF: 19745.7/15
Left Out: 21.405+/-0.012 χ²/NDF:20.2/1
Right Out: 21.692+/-0.006 χ²/NDF: 18330.7/18
Left In: 21.351+/-0.016 χ²/NDF:0.0/0
Left: 21.386+/-0.010 χ²/NDF: 27.2/2
Right: 21.725+/-0.004 χ²/NDF: 38150.0/34
In: 21.716+/-0.005 χ²/NDF:20300.3/16
Out: 21.639+/-0.005 χ²/NDF:18828.1/20
All: 21.675+/-0.004 χ²/NDF: 39235.1/37

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.210+/-8.875 χ^2/NDF:0.0/1

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -7.559+/-12.319 χ^2/NDF:0.0/0

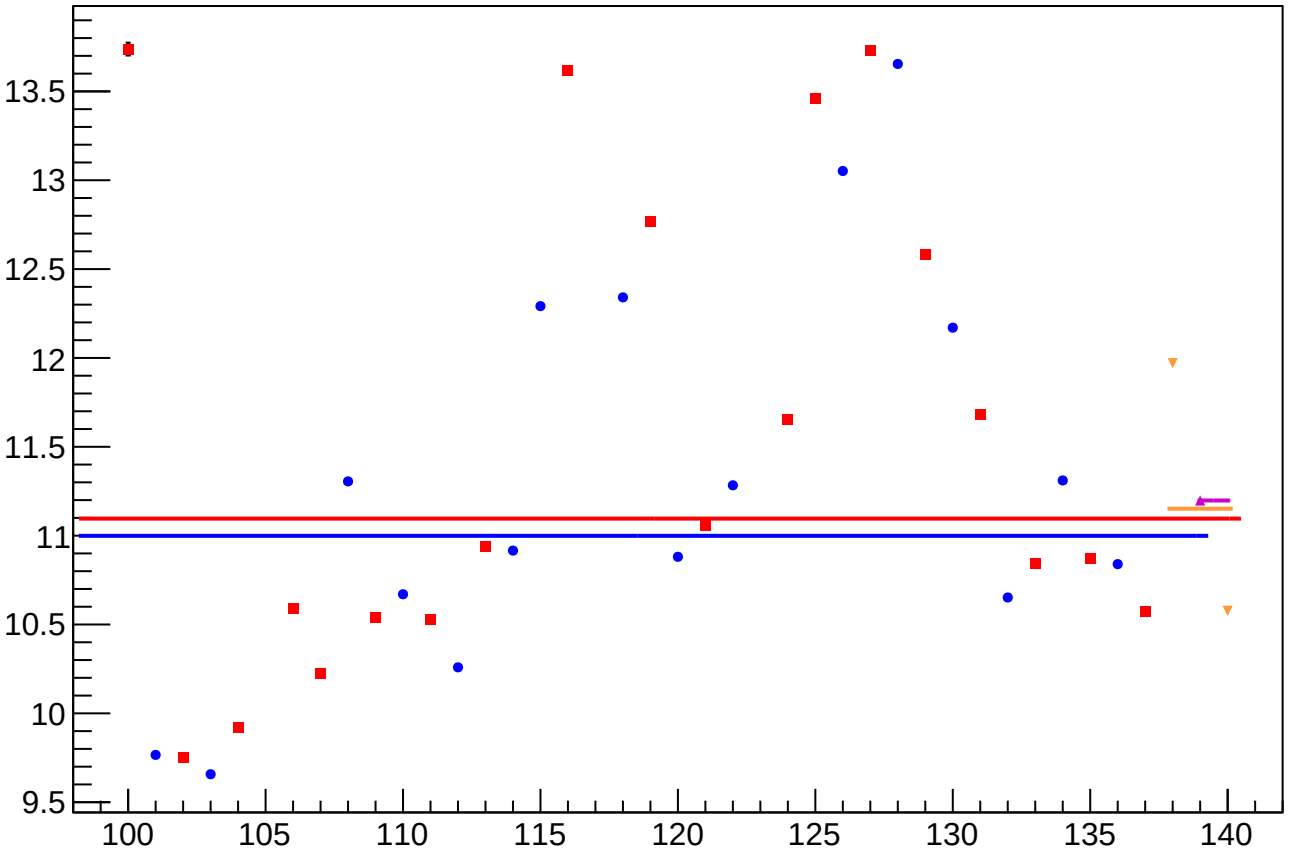
Left: -2.445+/-7.201 χ^2/NDF: 0.3/2

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -4.755+/-3.916 χ^2/NDF:12.0/16

Out: 9.769+/-3.720 χ^2/NDF:23.1/20

All: 2.880+/-2.697 χ^2/NDF: 42.4/37



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.152+/-0.006 χ^2/NDF:11952.4/1

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.198+/-0.009 χ^2/NDF:0.0/0

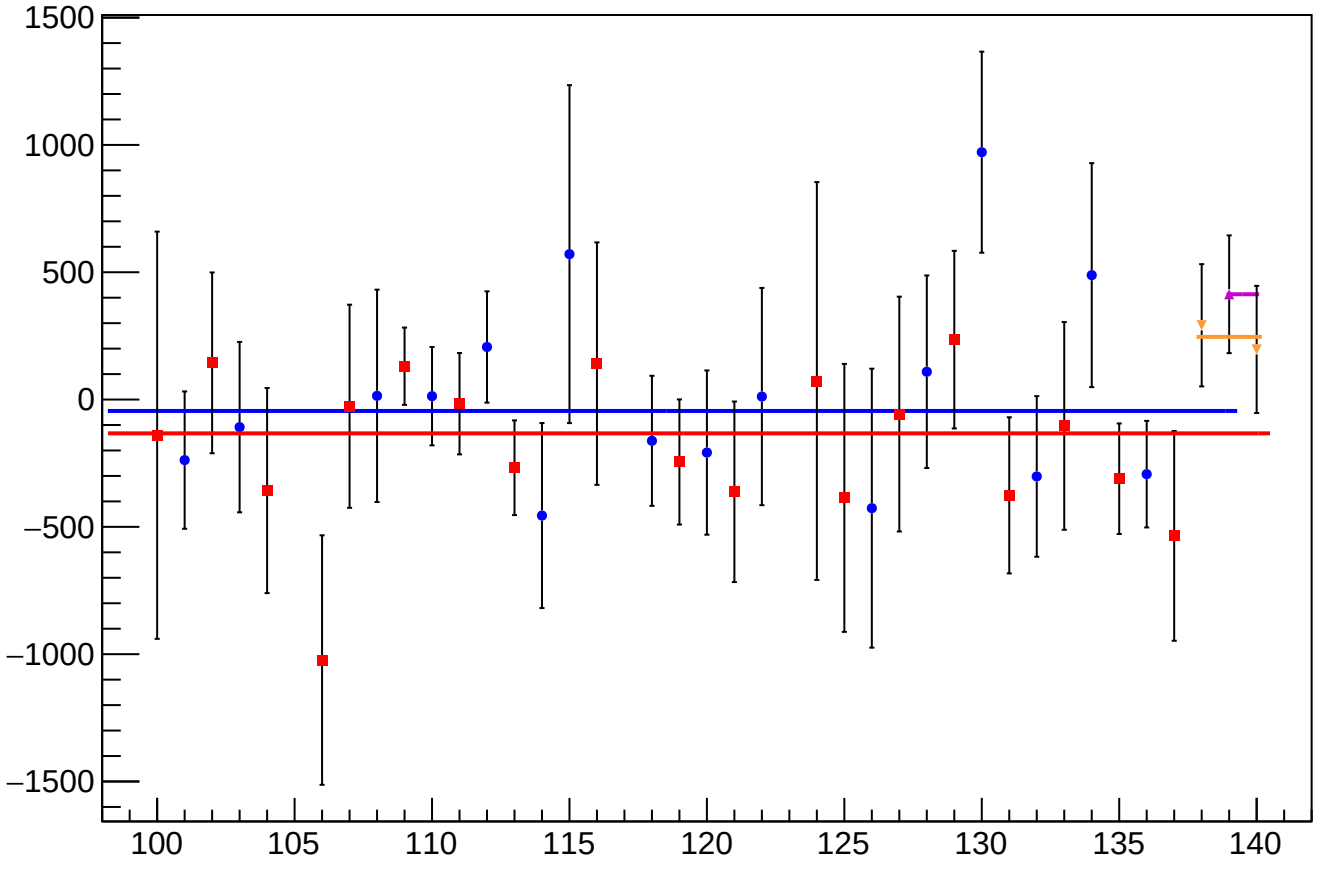
Left: 11.167+/-0.005 χ^2/NDF: 11970.8/2

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.019+/-0.003 χ^2/NDF:136627.2/16

Out: 11.106+/-0.003 χ^2/NDF:174926.2/20

All: 11.065+/-0.002 χ^2/NDF: 312067.7/37



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 246.118+/-173.048 χ^2/NDF:0.1/1

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 413.522+/-231.204 χ^2/NDF:0.0/0

Left: 306.226+/-138.540 χ^2/NDF: 0.4/2

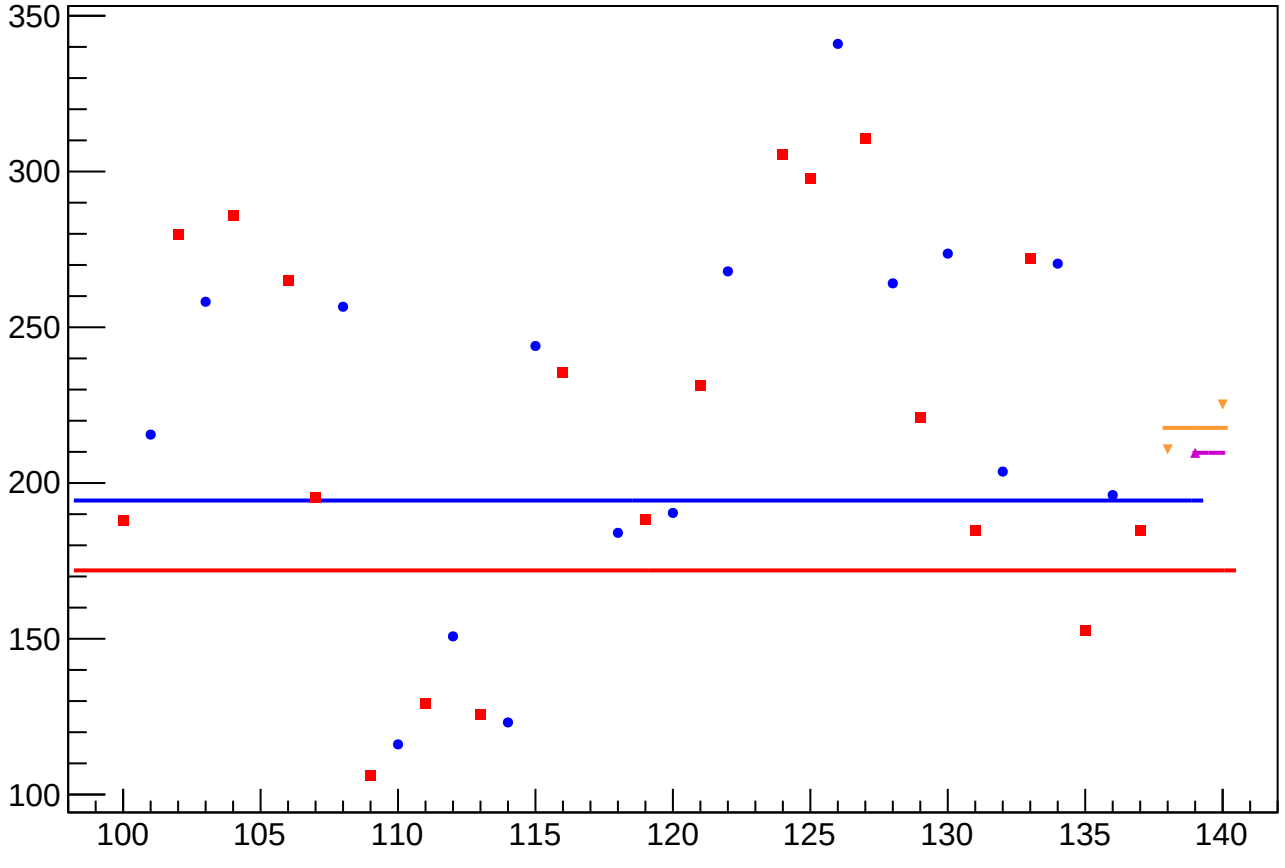
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 0.347+/-72.562 χ^2/NDF:19.0/16

Out: -81.707+/-63.506 χ^2/NDF:17.1/20

All: -46.117+/-47.789 χ^2/NDF: 36.8/37

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 217.710+/-0.122 χ^2/NDF:3465.9/1

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 209.701+/-0.163 χ^2/NDF:0.0/0

Left: 214.835+/-0.098 χ^2/NDF: 5004.2/2

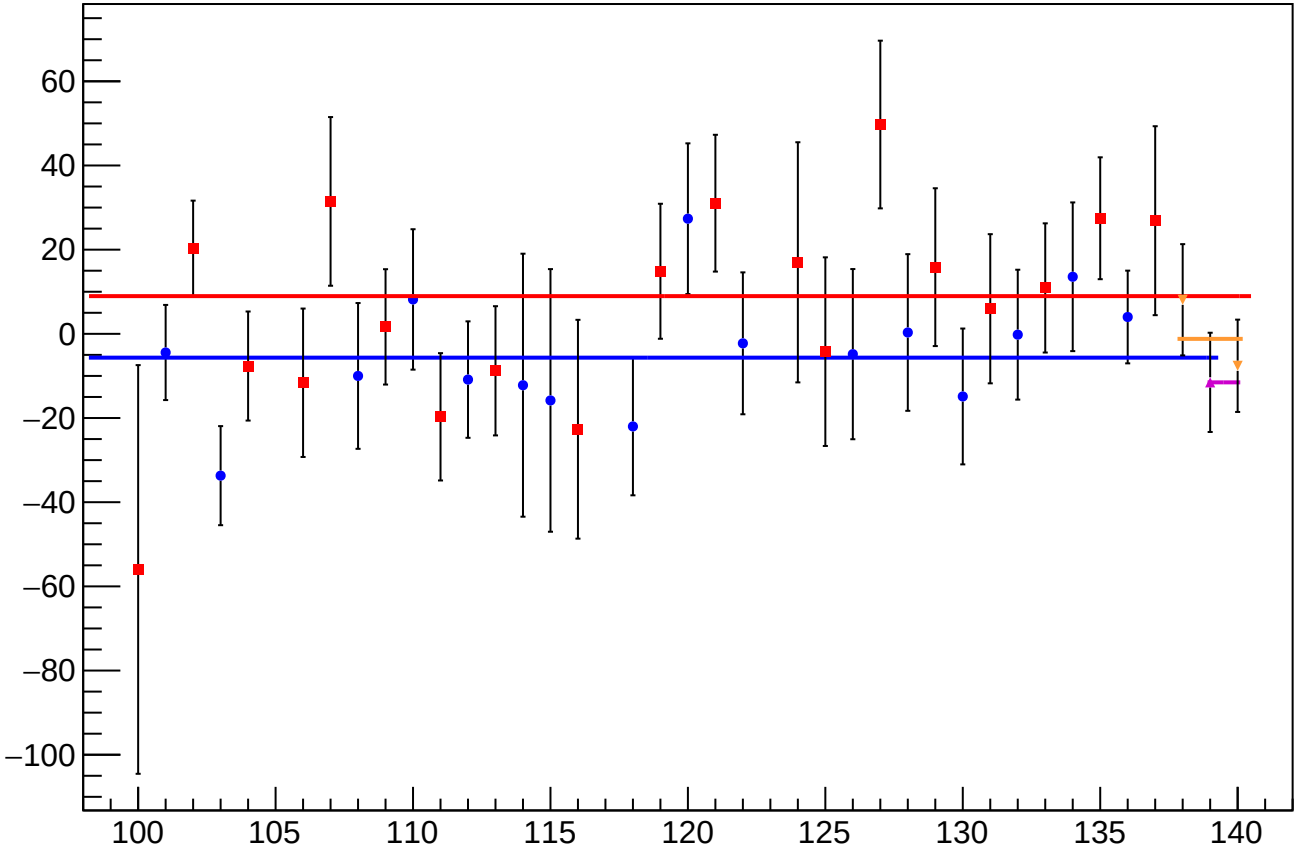
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 195.894+/-0.051 χ^2/NDF:1049936.5/16

Out: 178.112+/-0.045 χ^2/NDF:1775834.6/20

All: 185.825+/-0.034 χ^2/NDF: 2893781.9/37

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.195+/-8.439 χ^2/NDF:0.8/1

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -11.529+/-11.789 χ^2/NDF:0.0/0

Left: -4.697+/-6.862 χ^2/NDF: 1.3/2

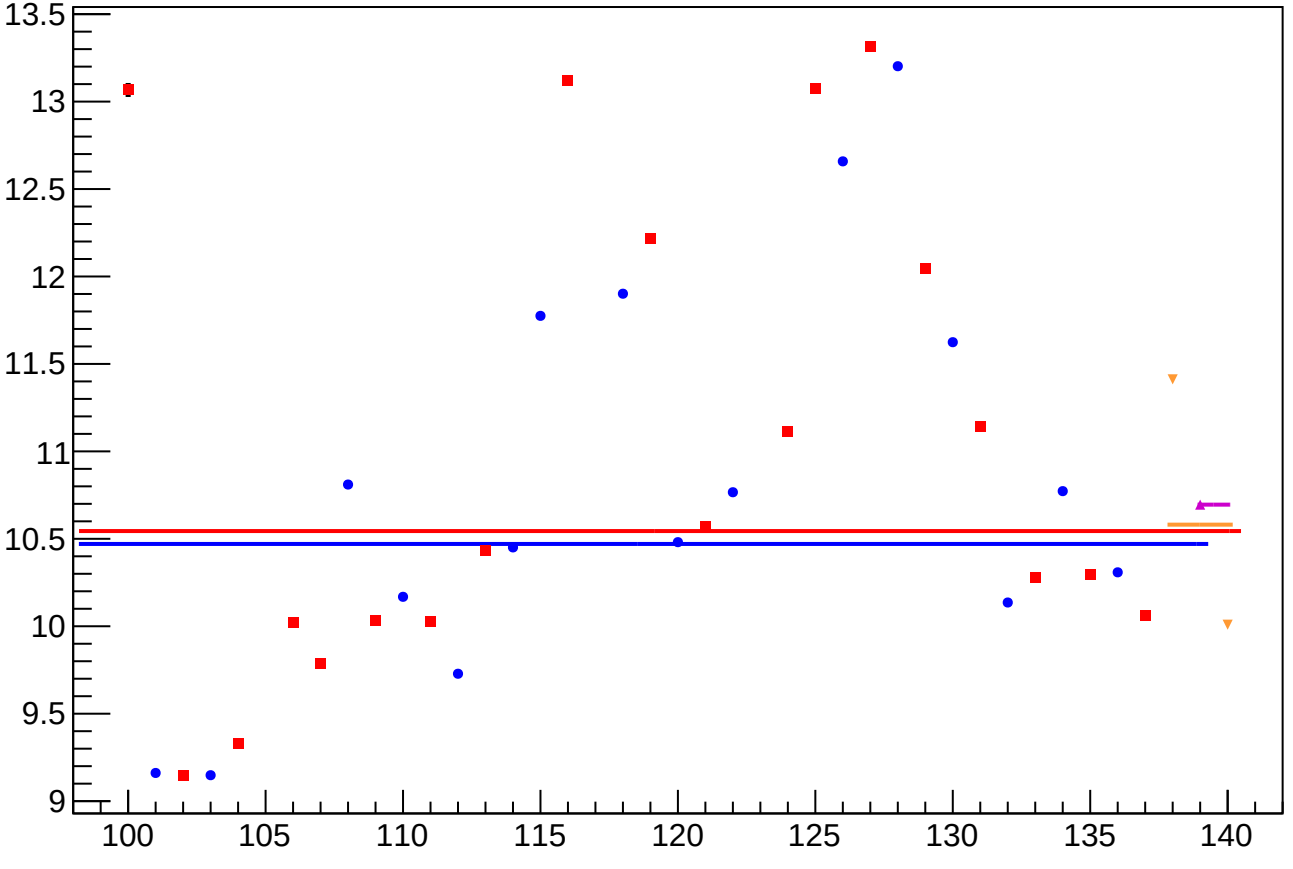
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -6.247+/-3.736 χ^2/NDF:13.9/16

Out: 7.172+/-3.541 χ^2/NDF:24.8/20

All: 0.822+/-2.570 χ^2/NDF: 45.5/37

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.581+/-0.006 χ^2/NDF:13347.0/1

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.695+/-0.008 χ^2/NDF:0.0/0

Left: 10.620+/-0.005 χ^2/NDF: 13471.5/2

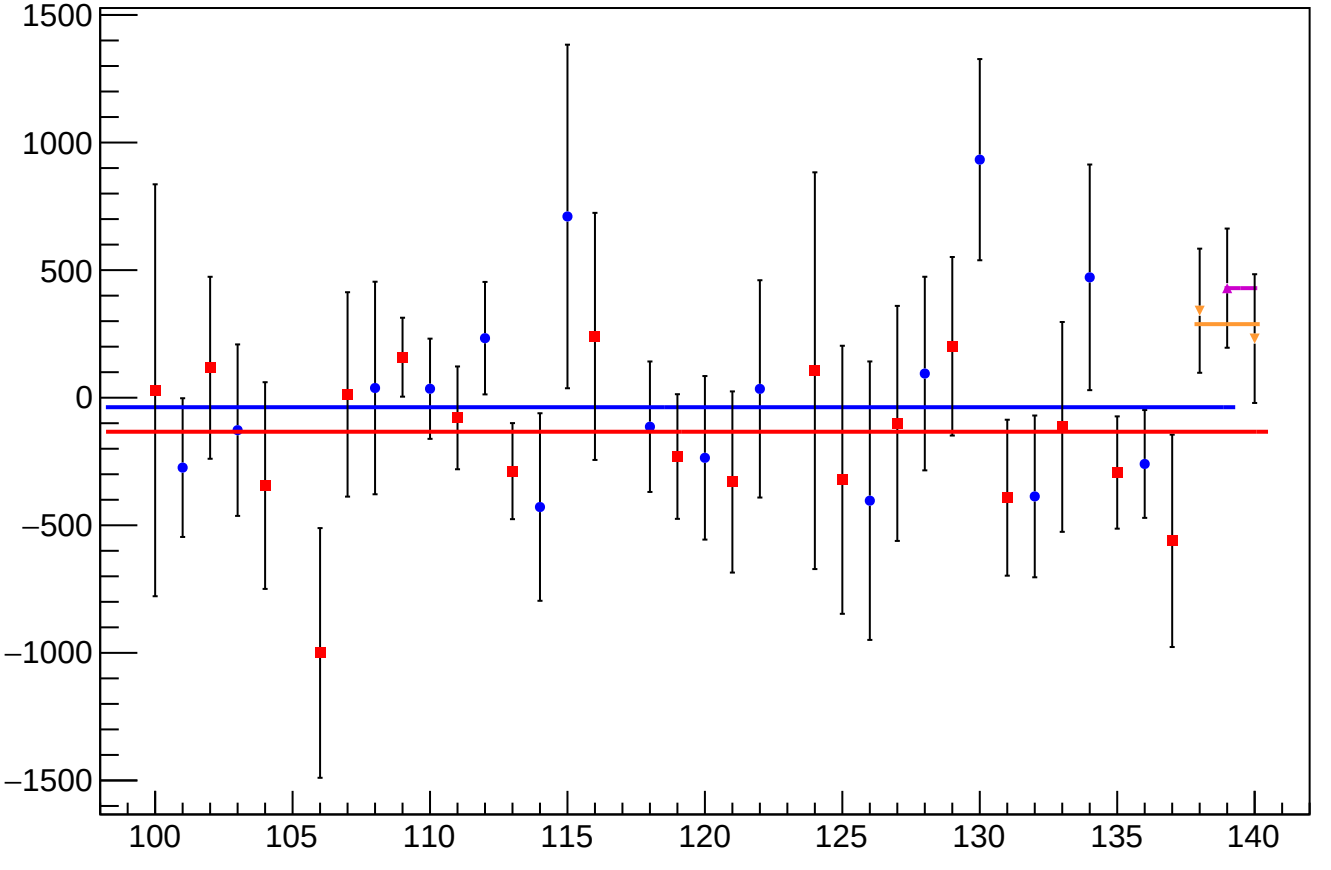
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.493+/-0.003 χ^2/NDF:158019.8/16

Out: 10.551+/-0.003 χ^2/NDF:200158.4/20

All: 10.524+/-0.002 χ^2/NDF: 358429.0/37

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 288.285+/-175.109 χ^2/NDF:0.1/1

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 429.364+/-233.567 χ^2/NDF:0.0/0

Left: 339.049+/-140.106 χ^2/NDF: 0.3/2

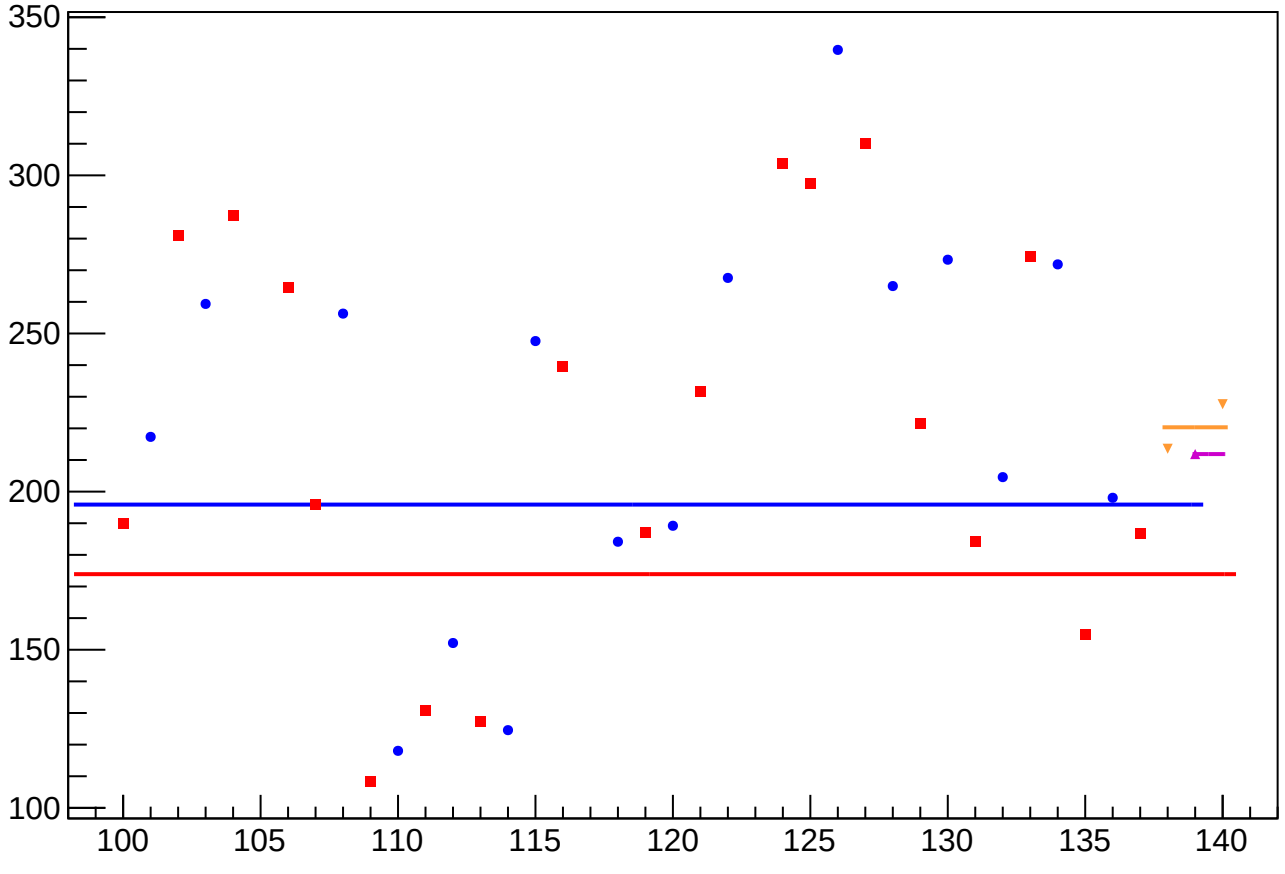
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 8.408+/-73.056 χ^2/NDF:19.2/16

Out: -76.876+/-64.104 χ^2/NDF:18.0/20

All: -39.777+/-48.184 χ^2/NDF: 38.0/37

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 220.339+/-0.124 χ^2/NDF:3231.3/1

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 211.870+/-0.165 χ^2/NDF:0.0/0

Left: 217.292+/-0.099 χ^2/NDF: 4914.3/2

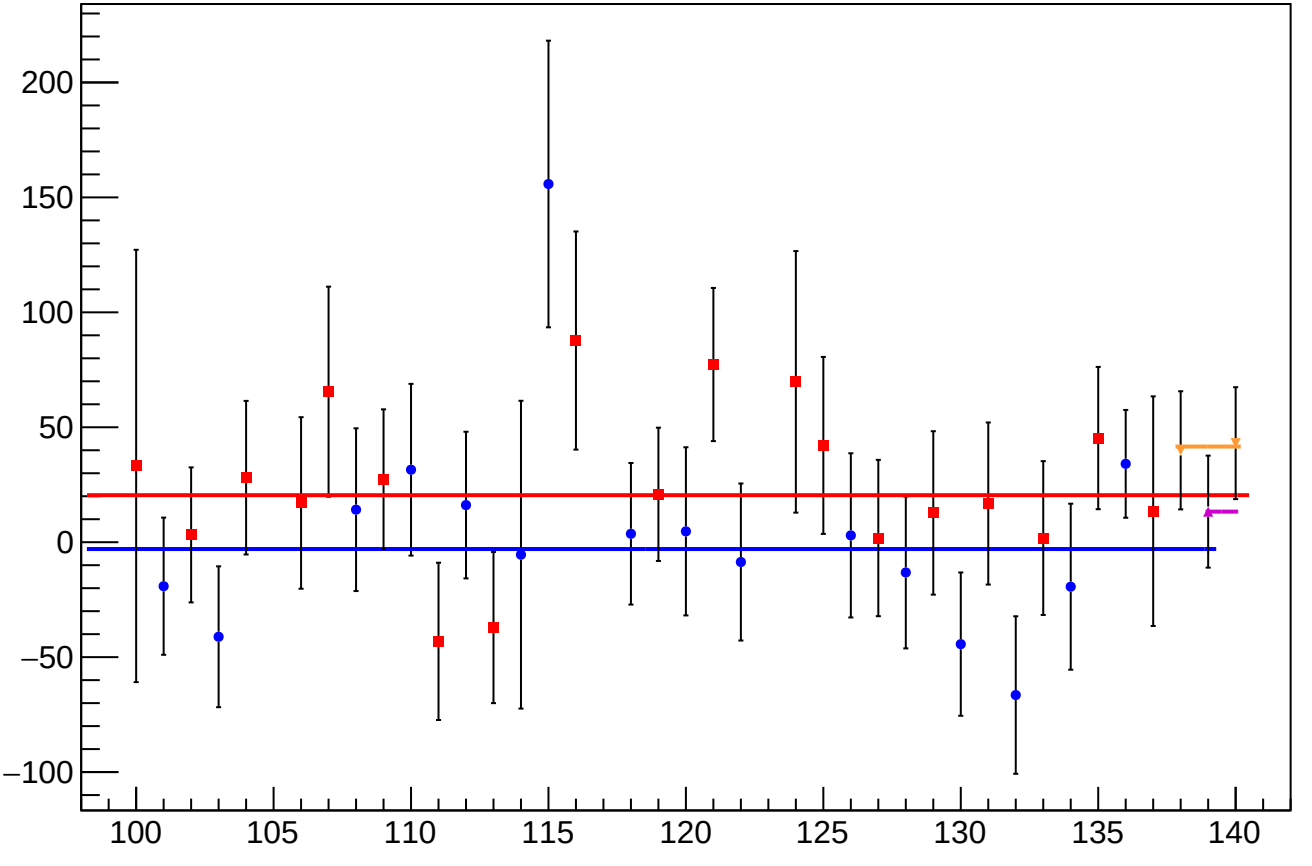
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 197.462+/-0.052 χ^2/NDF:1019448.6/16

Out: 180.125+/-0.045 χ^2/NDF:1724641.5/20

All: 187.667+/-0.034 χ^2/NDF: 2807730.6/37

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 41.613+/-17.672 χ^2/NDF:0.0/1

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 13.302+/-24.367 χ^2/NDF:0.0/0

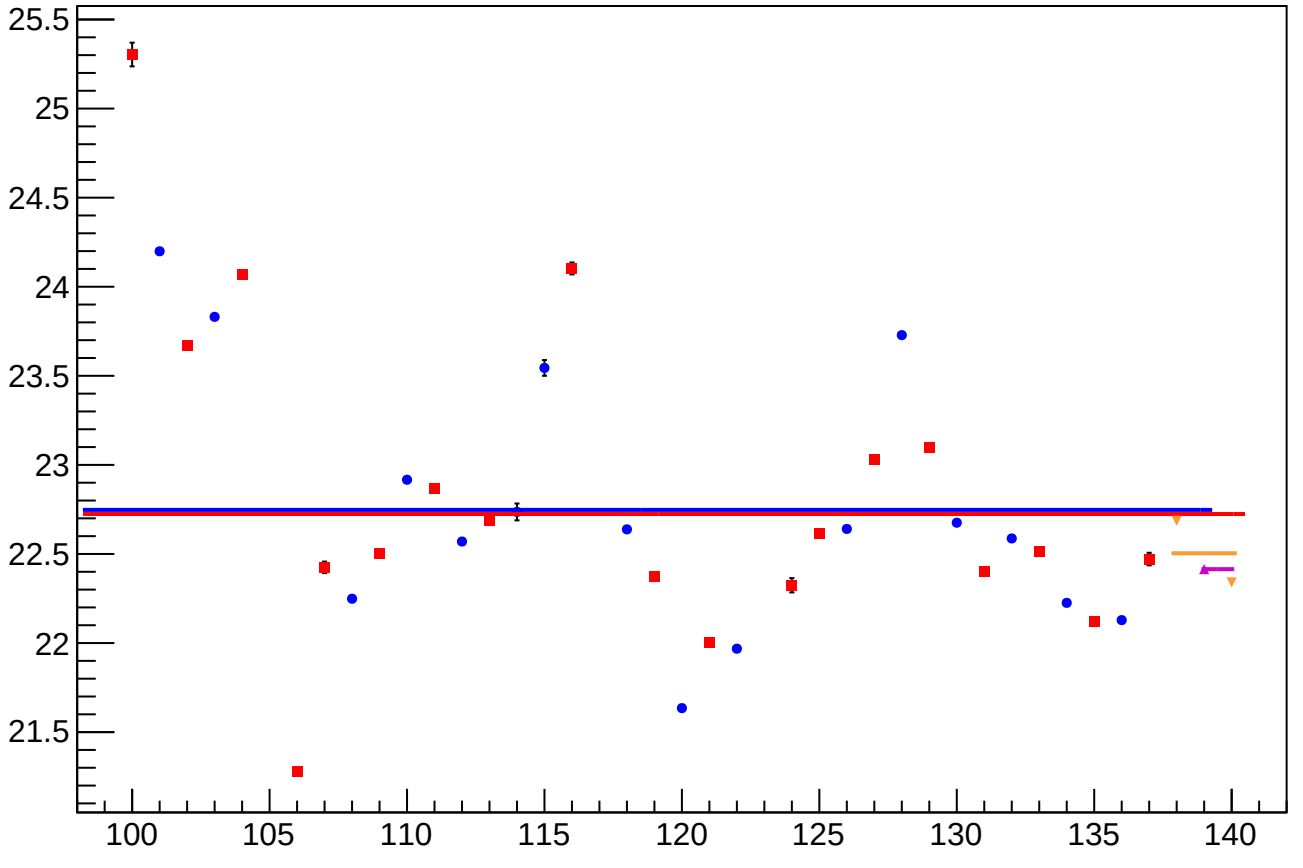
Left: 31.855+/-14.306 χ^2/NDF: 0.9/2

Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: -1.219+/-7.987 χ^2/NDF:18.3/16

Out: 24.274+/-7.507 χ^2/NDF:16.5/20

All: 12.317+/-5.470 χ^2/NDF: 40.2/37



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.504+/-0.012 χ^2/NDF:191.1/1

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.415+/-0.017 χ^2/NDF:0.0/0

Left: 22.473+/-0.010 χ^2/NDF: 208.7/2

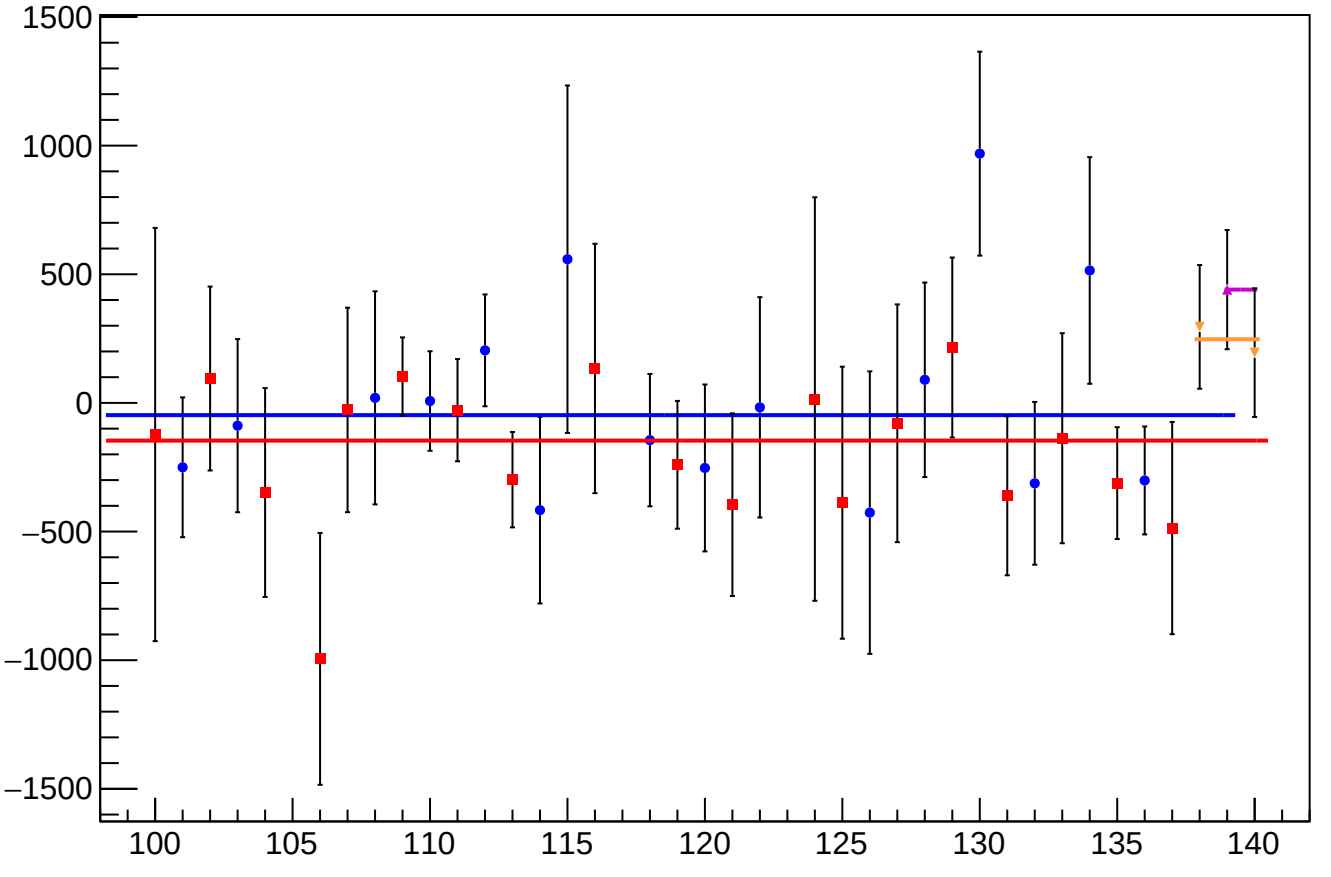
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.712+/-0.006 χ^2/NDF:14955.4/16

Out: 22.685+/-0.005 χ^2/NDF:14936.3/20

All: 22.697+/-0.004 χ^2/NDF: 29904.0/37

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 247.354+/-173.240 χ^2/NDF:0.1/1

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 440.358+/-231.609 χ^2/NDF:0.0/0

Left: 316.596+/-138.726 χ^2/NDF: 0.5/2

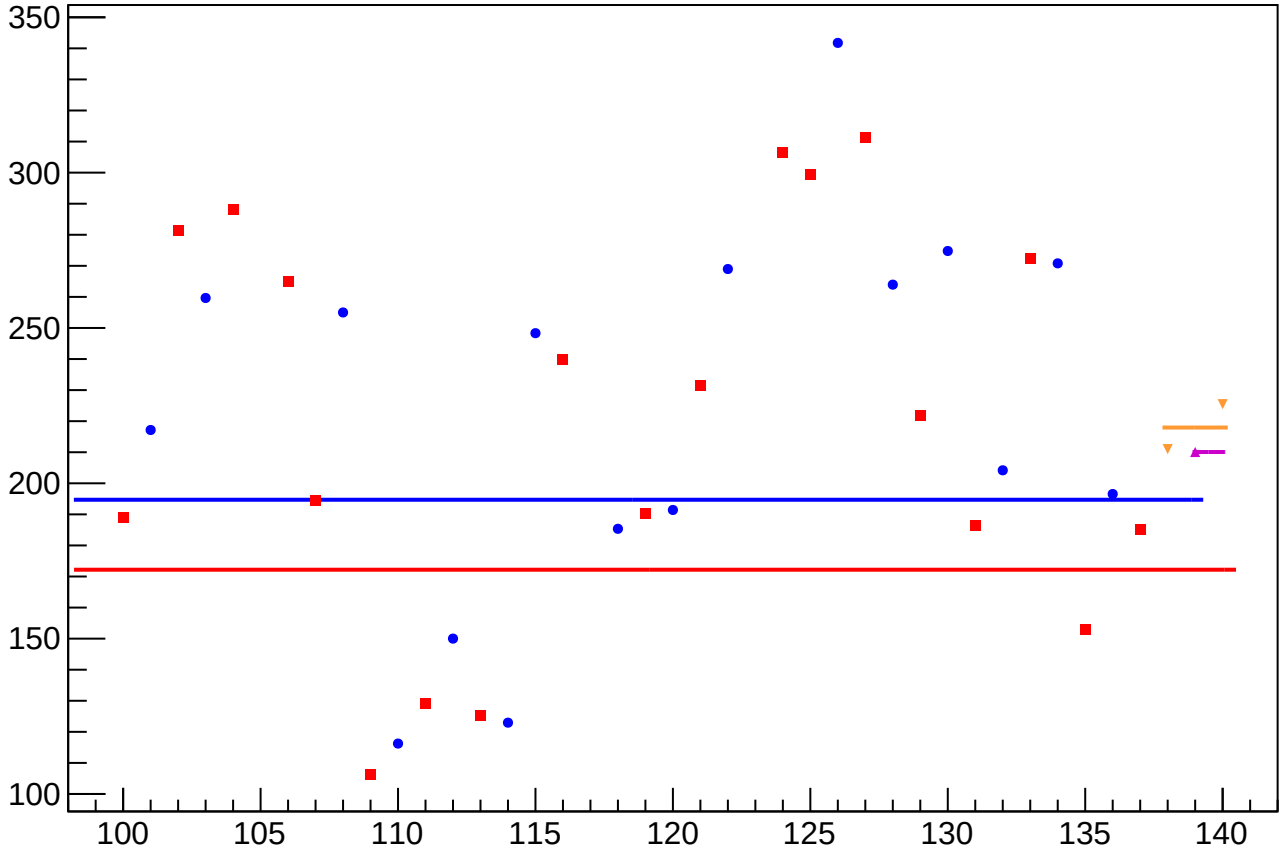
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 0.548+/-72.701 χ^2/NDF:19.4/16

Out: -93.449+/-63.619 χ^2/NDF:16.1/20

All: -52.685+/-47.876 χ^2/NDF: 36.5/37

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 217.955+/-0.122 χ^2/NDF:3480.8/1

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 210.071+/-0.164 χ^2/NDF:0.0/0

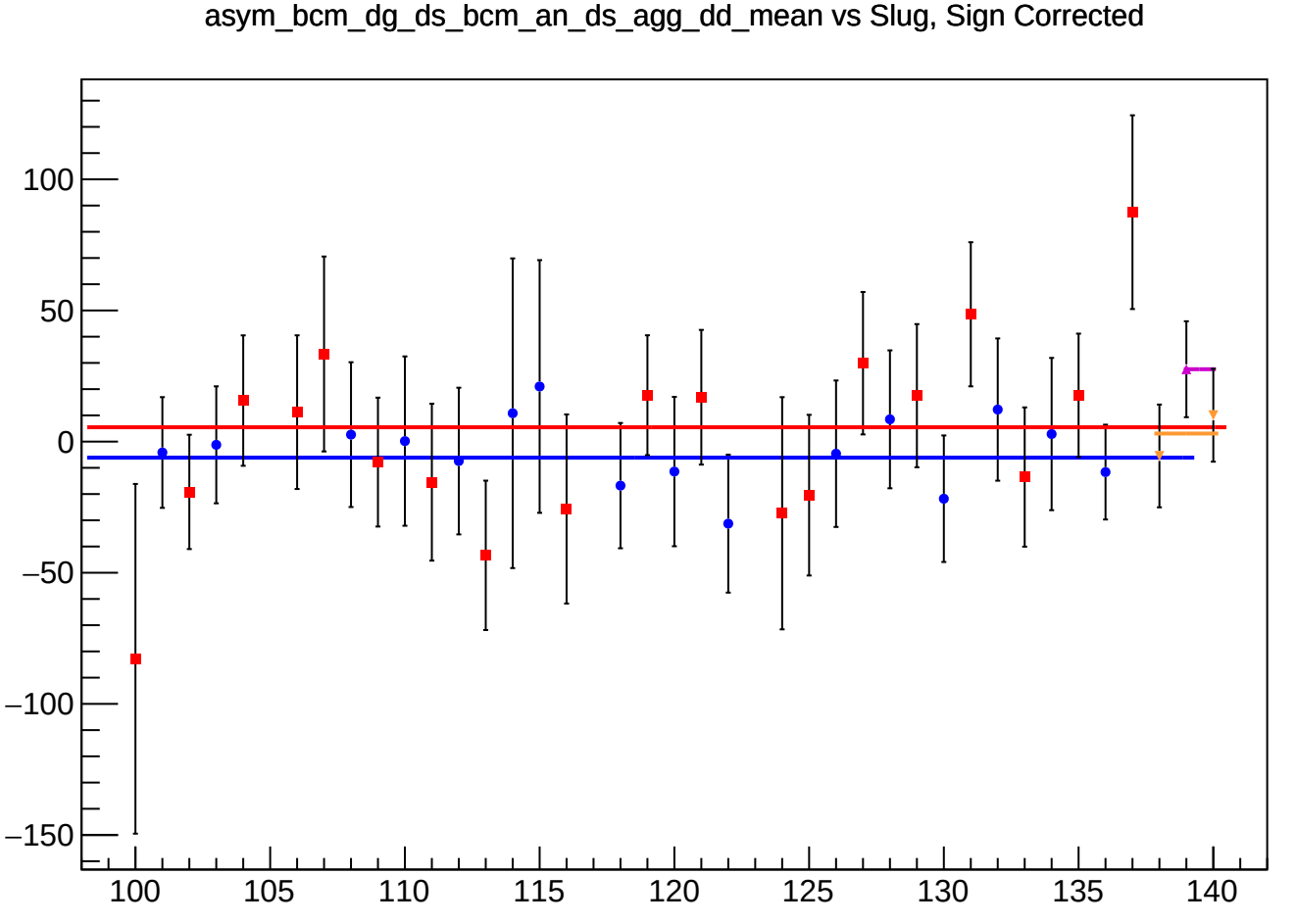
Left: 215.127+/-0.098 χ^2/NDF: 4967.1/2

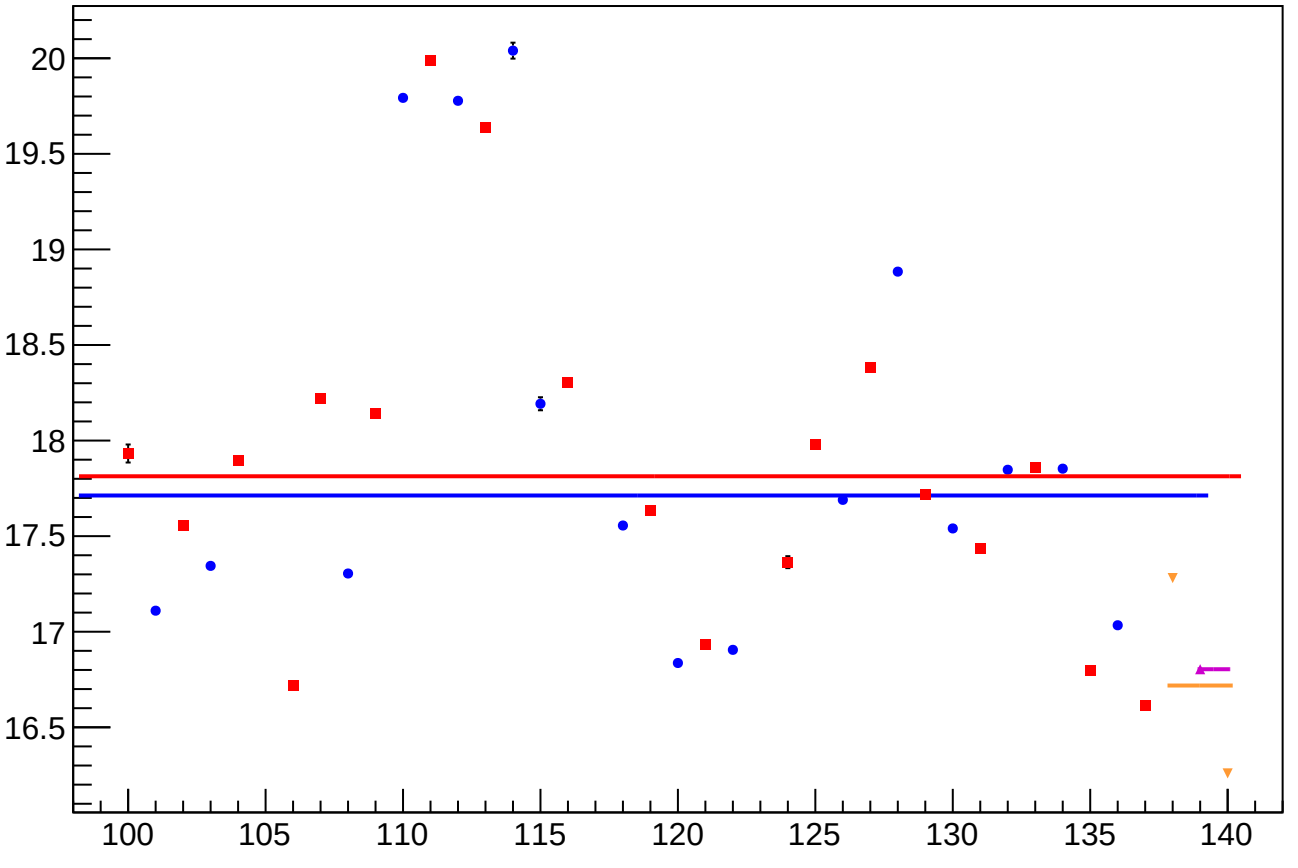
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 196.222+/-0.051 χ^2/NDF:1060221.4/16

Out: 178.358+/-0.045 χ^2/NDF:1795322.9/20

All: 186.105+/-0.034 χ^2/NDF: 2923925.6/37


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
100
105
110
115
120
125
130
135
140
Right In: -6.119+/-6.592 χ²/NDF: 3.1/15
Left Out: 3.074+/-13.139 χ²/NDF:0.3/1
Right Out: 5.470+/-6.509 χ²/NDF: 19.2/18
Left In: 27.594+/-18.288 χ²/NDF:0.0/0
Left: 11.422+/-10.670 χ²/NDF: 1.5/2
Right: -0.251+/-4.632 χ²/NDF: 23.9/34
In: -2.242+/-6.202 χ²/NDF:6.1/16
Out: 4.998+/-5.832 χ²/NDF:19.6/20
All: 1.600+/-4.249 χ²/NDF: 26.4/37



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.719+/-0.009 χ^2/NDF:2994.4/1

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.804+/-0.013 χ^2/NDF:0.0/0

Left: 16.748+/-0.008 χ^2/NDF: 3023.1/2

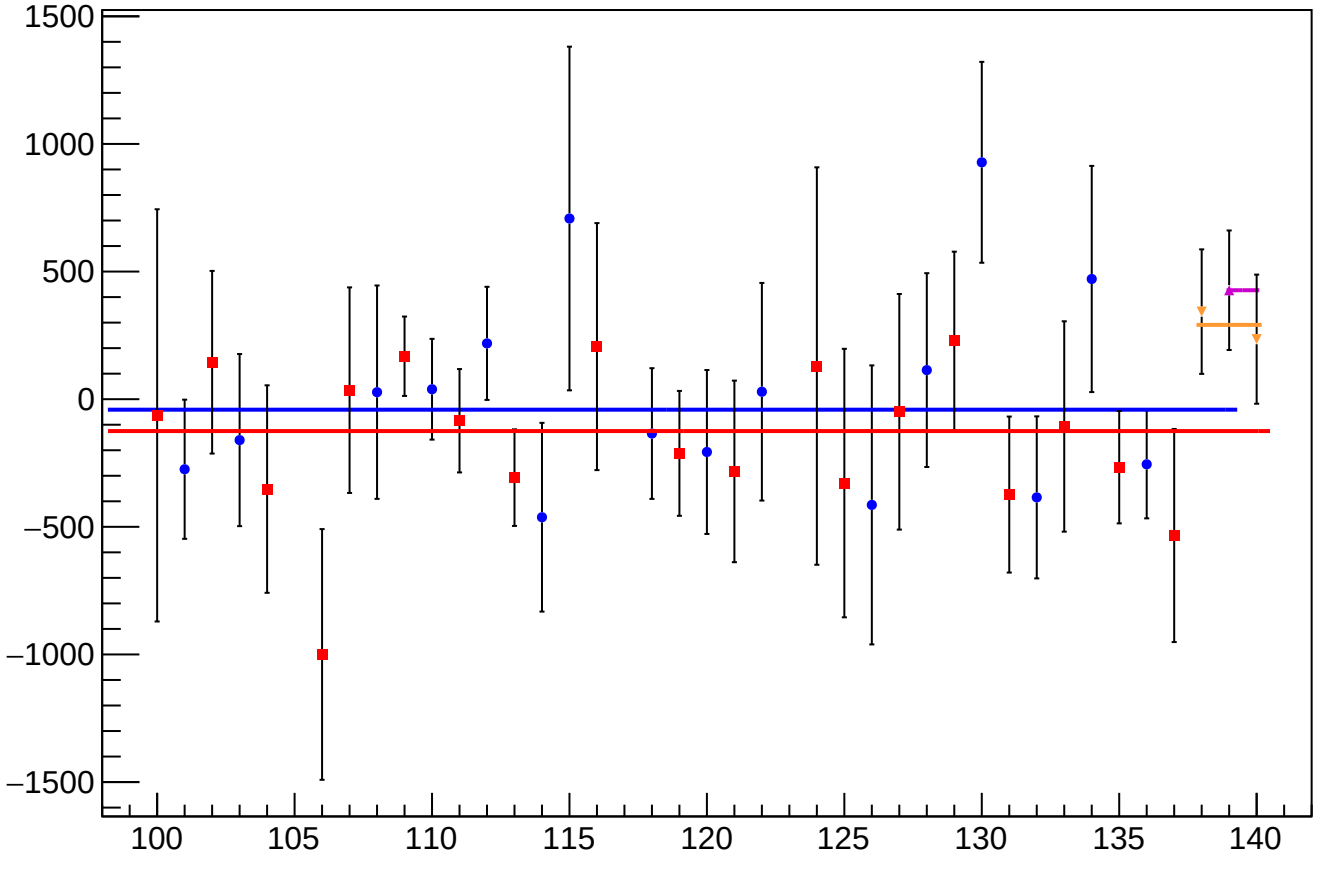
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.608+/-0.004 χ^2/NDF:40354.9/16

Out: 17.598+/-0.004 χ^2/NDF:46856.2/20

All: 17.603+/-0.003 χ^2/NDF: 87214.1/37

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 291.092+/-175.574 χ^2/NDF:0.1/1

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 426.844+/-234.099 χ^2/NDF:0.0/0

Left: 339.963+/-140.459 χ^2/NDF: 0.3/2

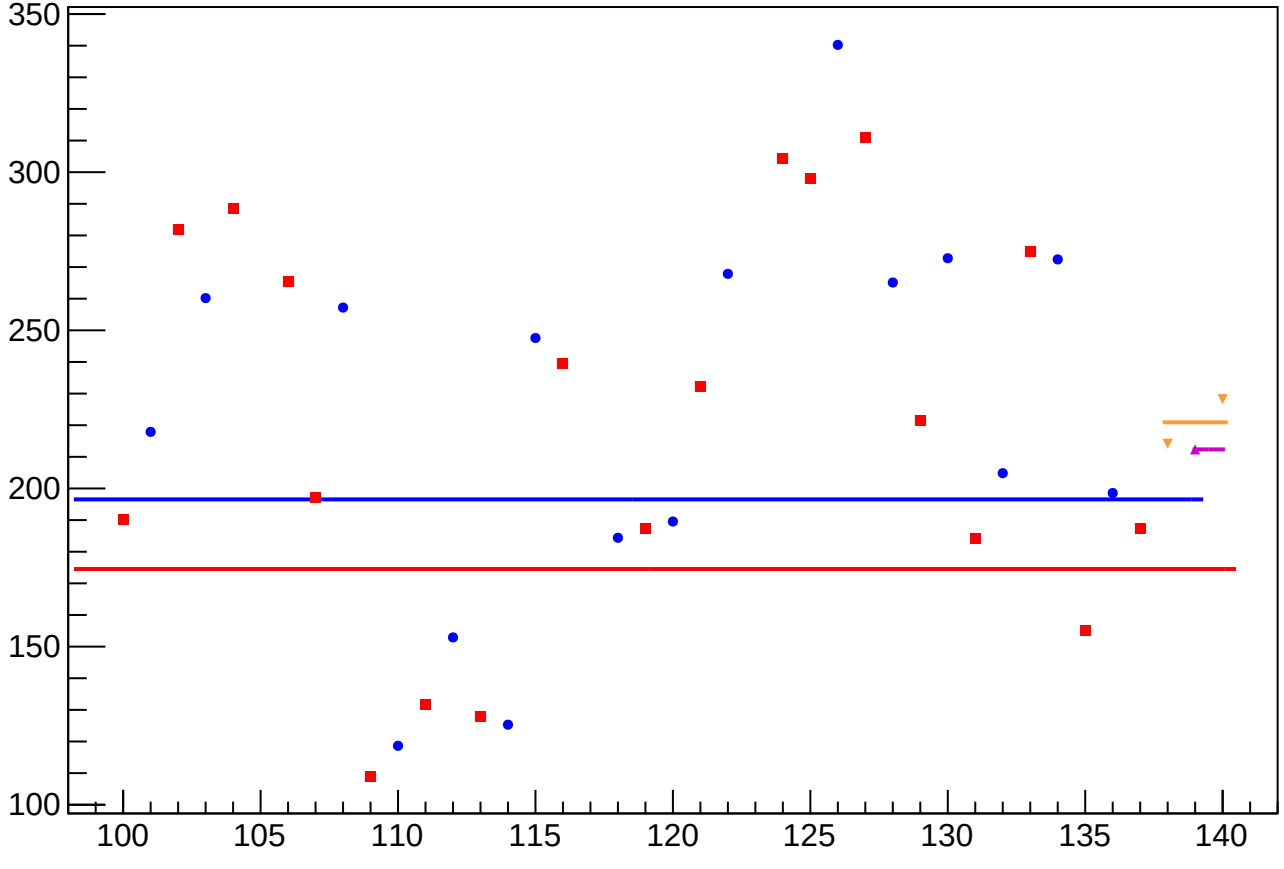
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 4.720+/-73.264 χ^2/NDF:19.2/16

Out: -69.071+/-64.306 χ^2/NDF:17.8/20

All: -36.960+/-48.330 χ^2/NDF: 37.6/37

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 220.922+/-0.124 χ^2/NDF:3220.8/1

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 212.354+/-0.166 χ^2/NDF:0.0/0

Left: 217.837+/-0.099 χ^2/NDF: 4935.4/2

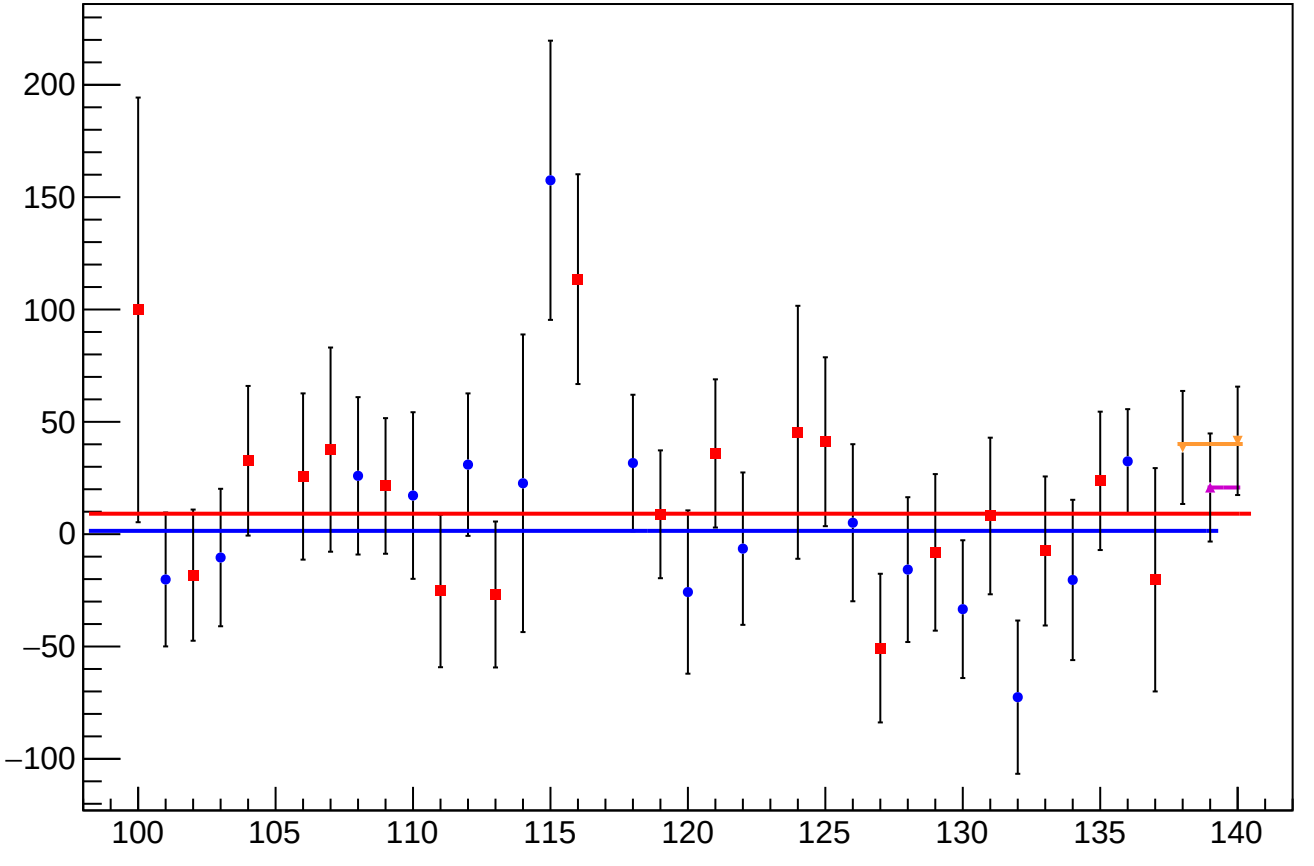
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 198.091+/-0.052 χ^2/NDF:1009000.8/16

Out: 180.762+/-0.045 χ^2/NDF:1712796.7/20

All: 188.303+/-0.034 χ^2/NDF: 2784997.1/37

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 40.133+/-17.412 χ^2/NDF:0.0/1

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 20.777+/-24.054 χ^2/NDF:0.0/0

Left: 33.478+/-14.104 χ^2/NDF: 0.4/2

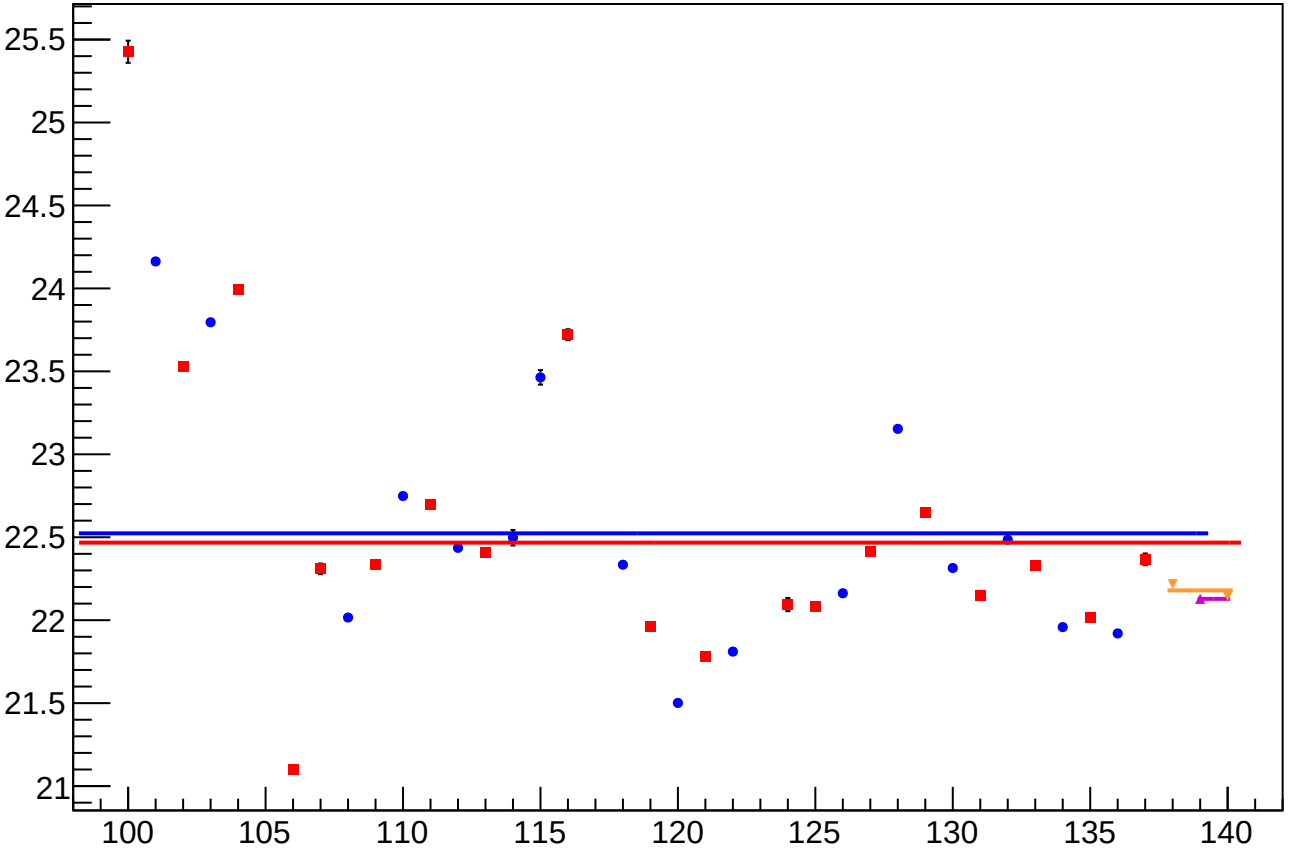
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 3.560+/-7.905 χ^2/NDF:19.2/16

Out: 14.742+/-7.417 χ^2/NDF:19.1/20

All: 9.507+/-5.409 χ^2/NDF: 39.4/37

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.180+/-0.012 χ^2/NDF:8.6/1

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.129+/-0.017 χ^2/NDF:0.0/0

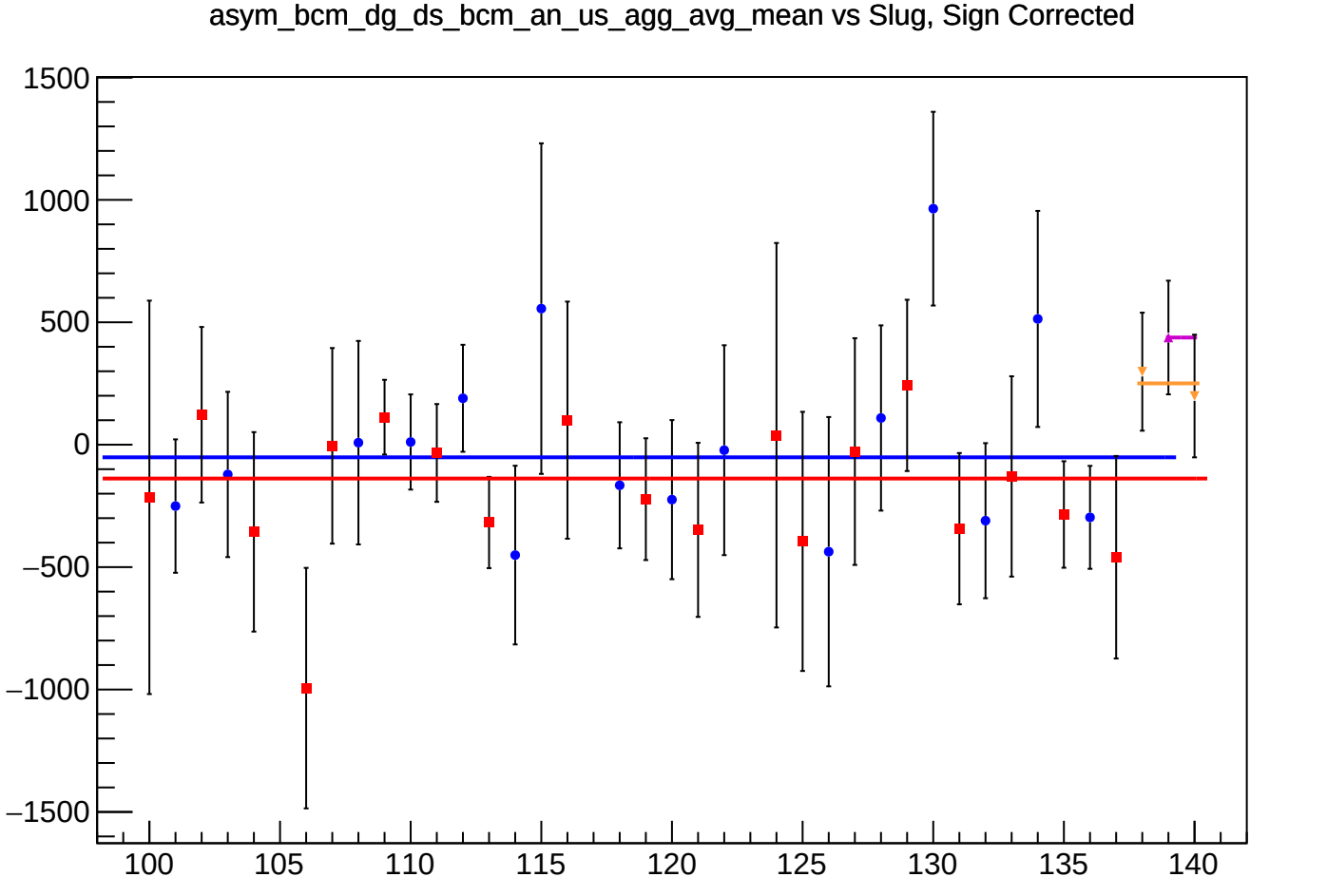
Left: 22.162+/-0.010 χ^2/NDF: 14.5/2

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.481+/-0.006 χ^2/NDF:16428.5/16

Out: 22.415+/-0.005 χ^2/NDF:16083.0/20

All: 22.446+/-0.004 χ^2/NDF: 32584.8/37



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 250.473+/-173.705 χ^2/NDF:0.1/1

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 437.814+/-232.146 χ^2/NDF:0.0/0

Left: 317.715+/-139.080 χ^2/NDF: 0.5/2

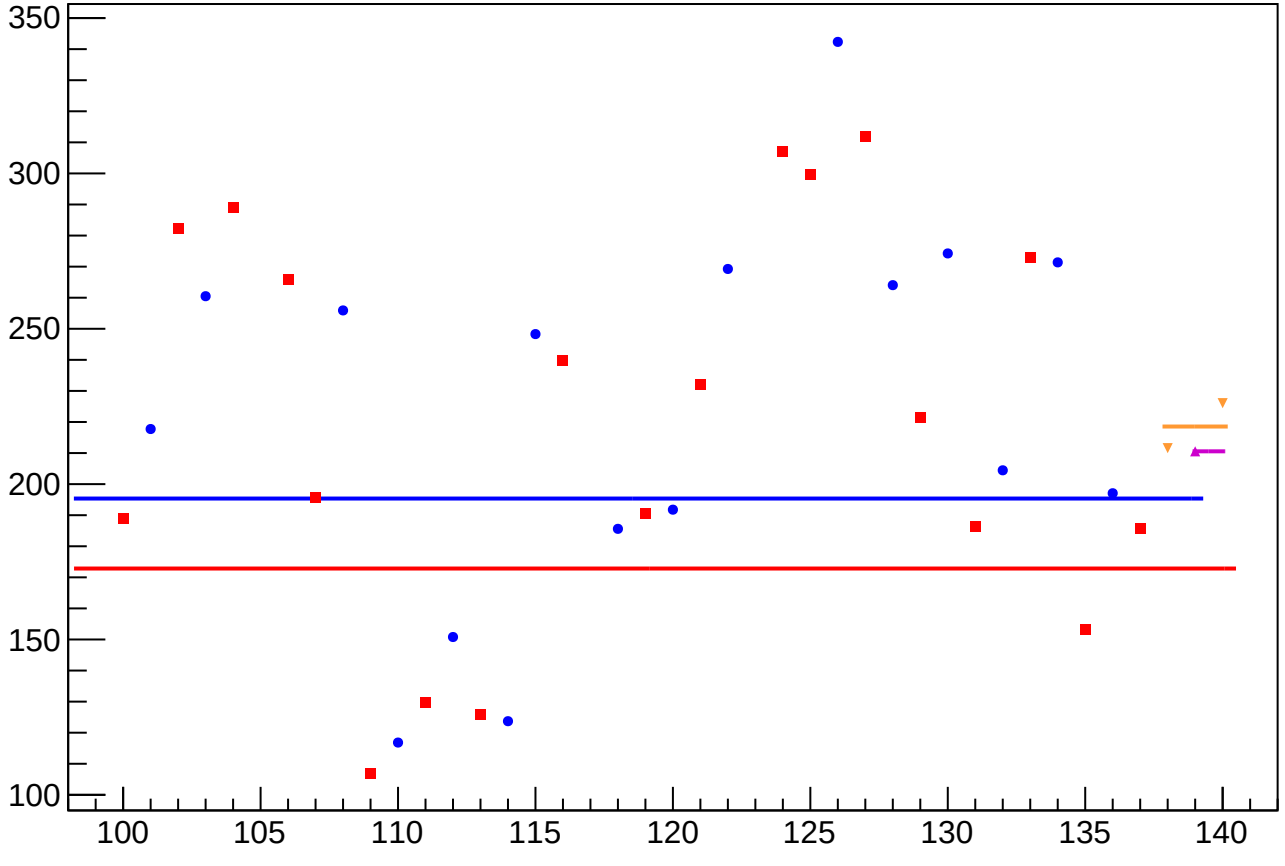
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: -3.224+/-72.912 χ^2/NDF:19.3/16

Out: -85.713+/-63.824 χ^2/NDF:16.0/20

All: -49.927+/-48.024 χ^2/NDF: 36.1/37

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 218.539+/-0.123 χ^2/NDF:3466.9/1

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 210.559+/-0.164 χ^2/NDF:0.0/0

Left: 215.675+/-0.098 χ^2/NDF: 4982.1/2

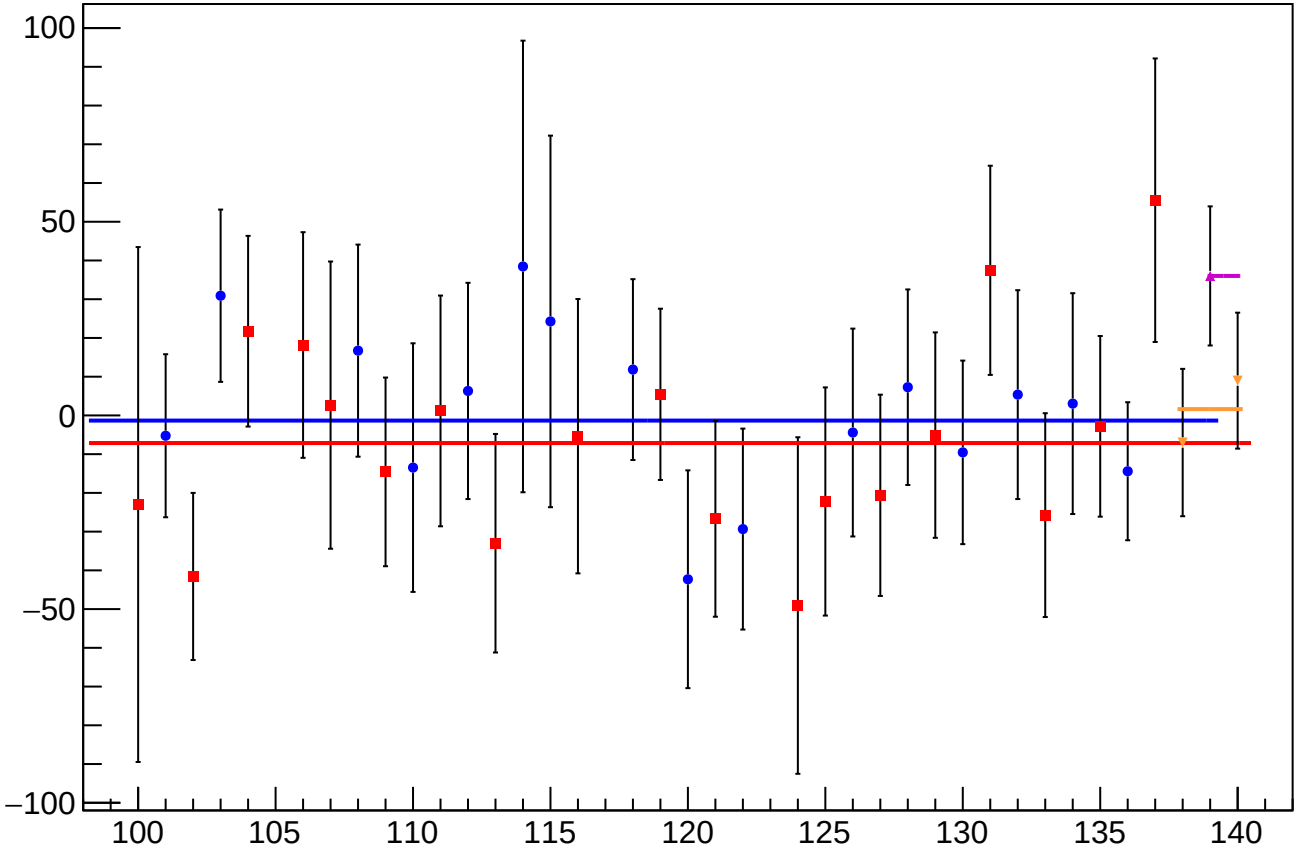
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 196.860+/-0.052 χ^2/NDF:1049158.5/16

Out: 179.007+/-0.045 χ^2/NDF:1782653.4/20

All: 186.752+/-0.034 χ^2/NDF: 2899702.1/37

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.629+/-12.899 χ^2/NDF:0.4/1

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 36.013+/-17.957 χ^2/NDF:0.0/0

Left: 13.332+/-10.477 χ^2/NDF: 2.8/2

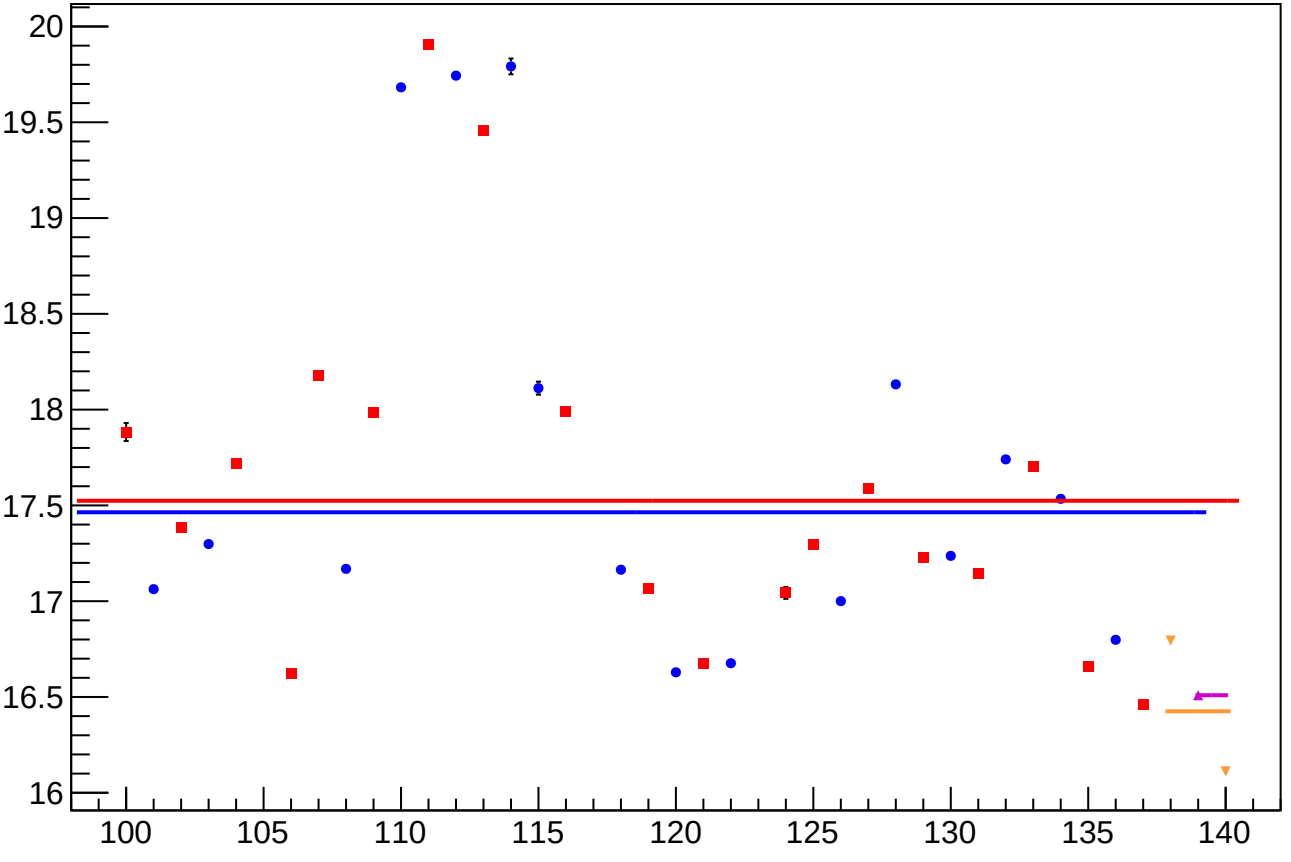
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 2.993+/-6.111 χ^2/NDF:11.8/16

Out: -5.396+/-5.735 χ^2/NDF:15.2/20

All: -1.467+/-4.182 χ^2/NDF: 28.0/37

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.425+/-0.009 χ^2/NDF:1392.4/1

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.509+/-0.013 χ^2/NDF:0.0/0

Left: 16.454+/-0.007 χ^2/NDF: 1421.1/2

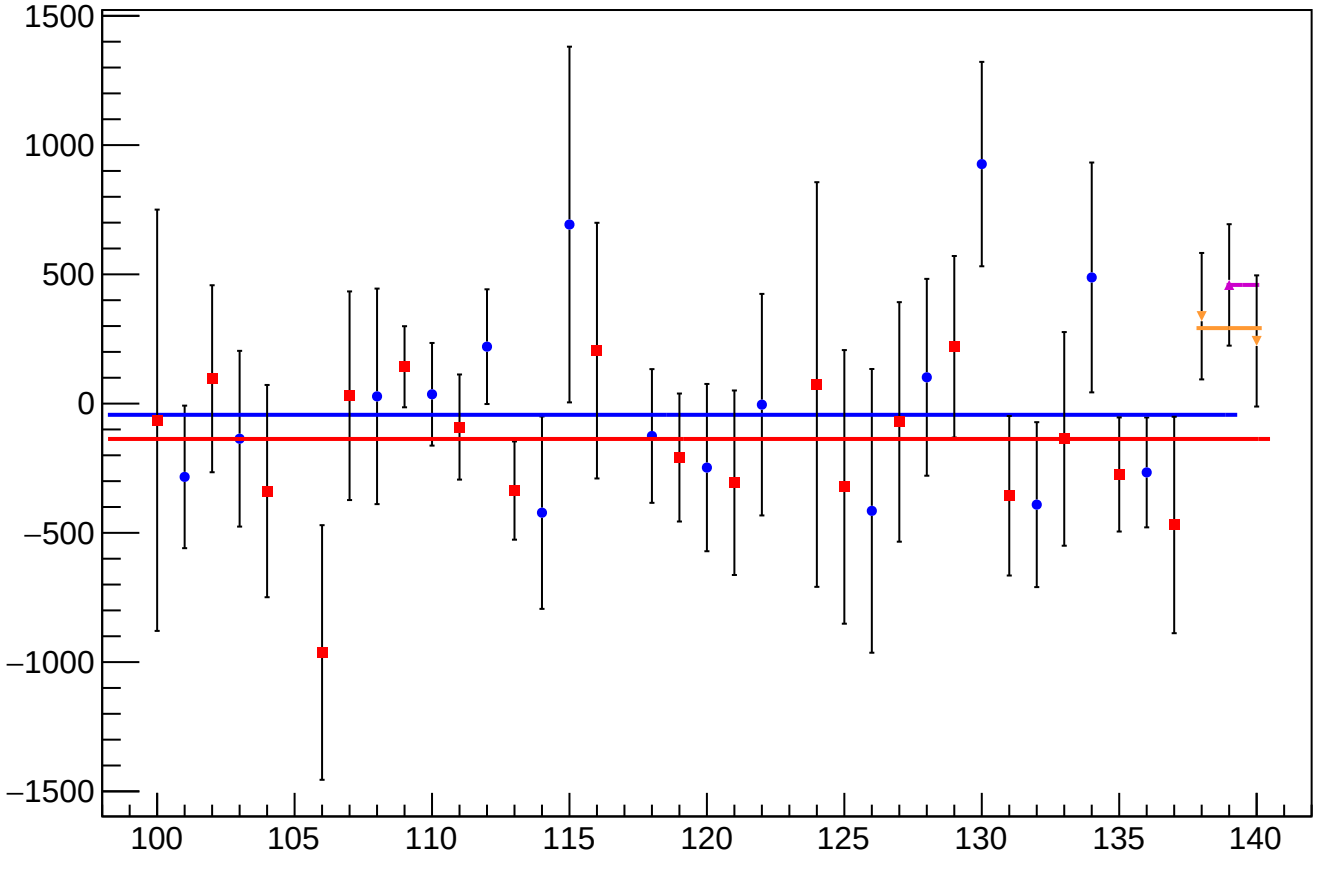
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 17.354+/-0.004 χ^2/NDF:41651.9/16

Out: 17.307+/-0.004 χ^2/NDF:47764.8/20

All: 17.329+/-0.003 χ^2/NDF: 89478.1/37

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 292.026+/-176.090 χ^2/NDF:0.1/1

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 459.093+/-234.896 χ^2/NDF:0.0/0

Left: 352.134+/-140.896 χ^2/NDF: 0.4/2

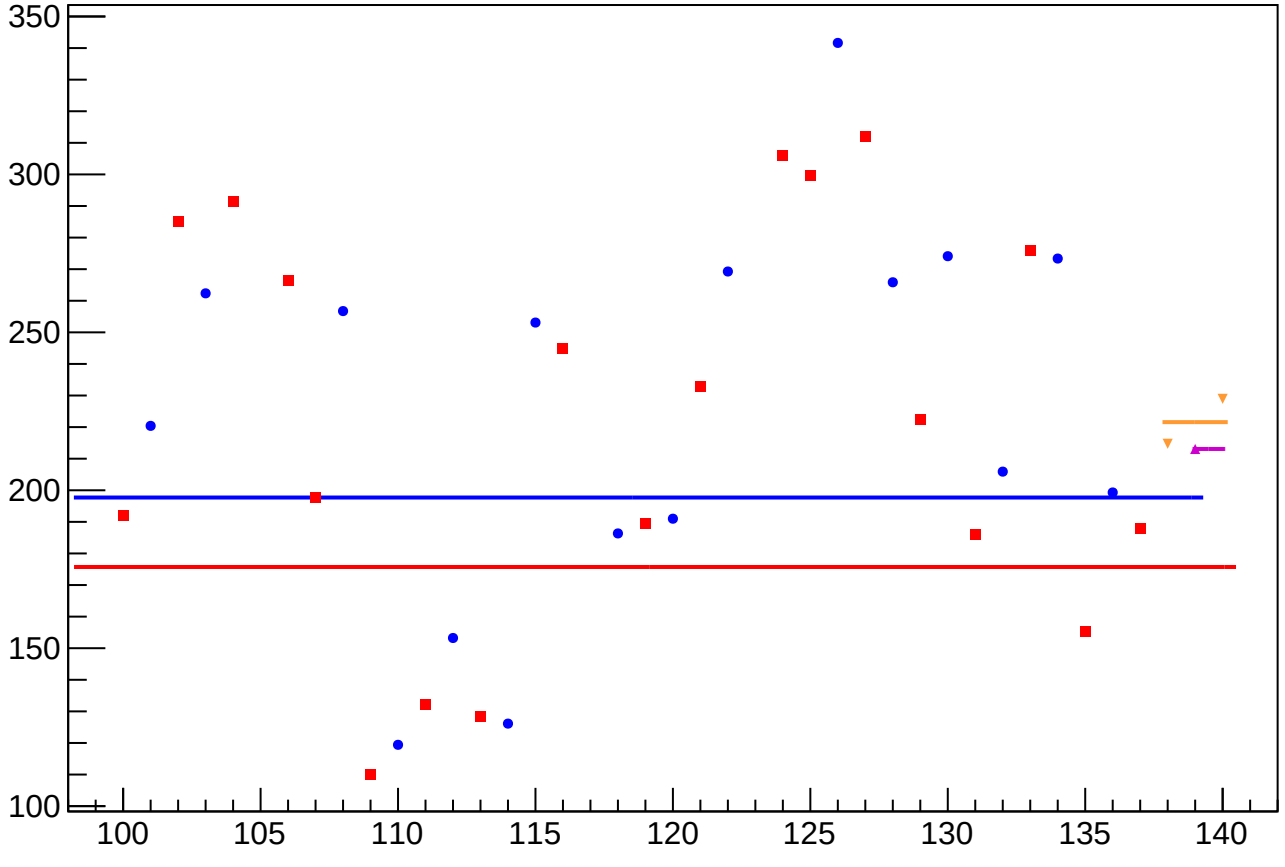
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 6.041+/-73.669 χ^2/NDF:19.6/16

Out: -78.902+/-64.693 χ^2/NDF:16.7/20

All: -41.919+/-48.610 χ^2/NDF: 37.1/37

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 221.576+/-0.125 χ^2/NDF:3257.7/1

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 213.079+/-0.166 χ^2/NDF:0.0/0

Left: 218.519+/-0.100 χ^2/NDF: 4933.3/2

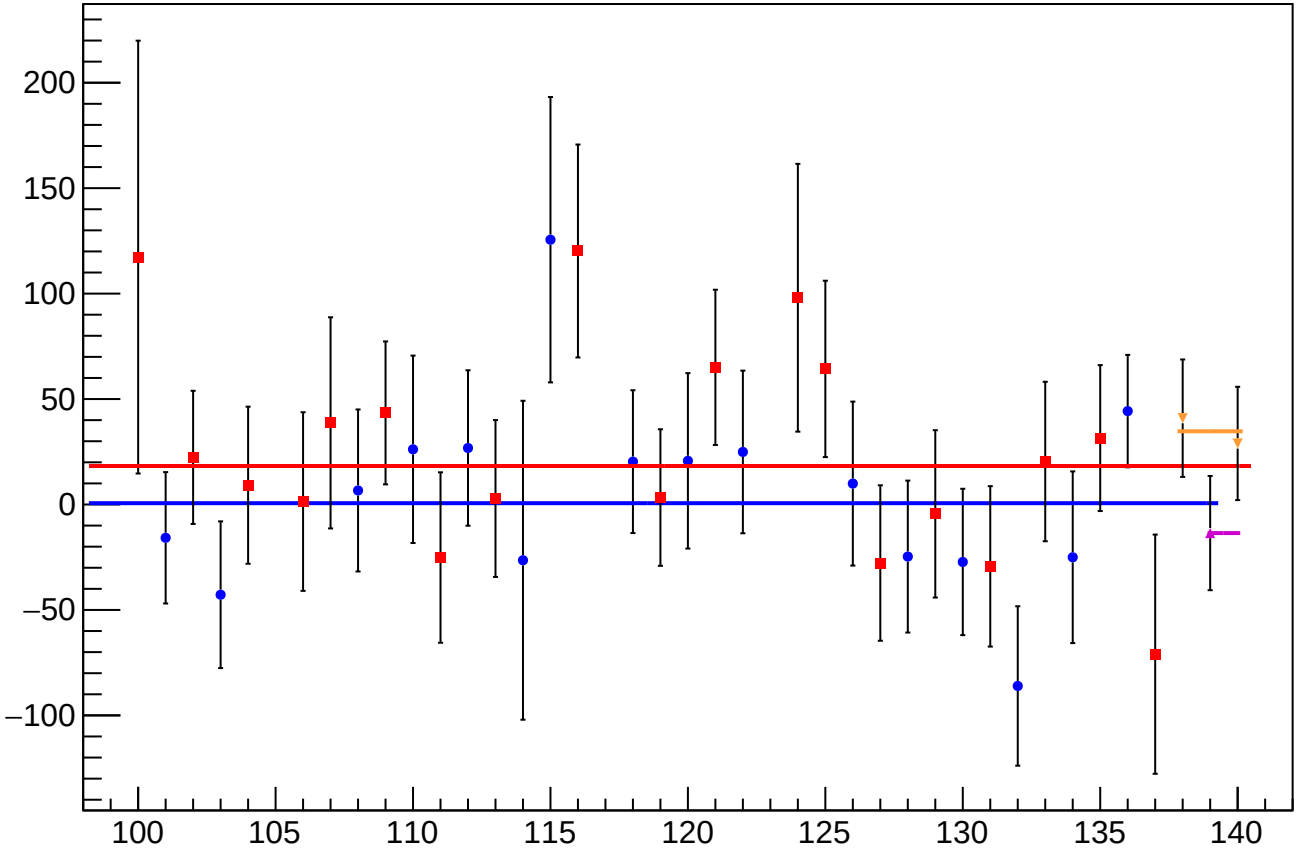
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 199.219+/-0.052 χ^2/NDF:1008046.6/16

Out: 181.905+/-0.046 χ^2/NDF:1711161.8/20

All: 189.444+/-0.034 χ^2/NDF: 2781580.2/37

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 34.719+/-19.334 χ^2/NDF:0.1/1

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: -13.550+/-27.085 χ^2/NDF:0.0/0

Left: 18.426+/-15.736 χ^2/NDF: 2.2/2

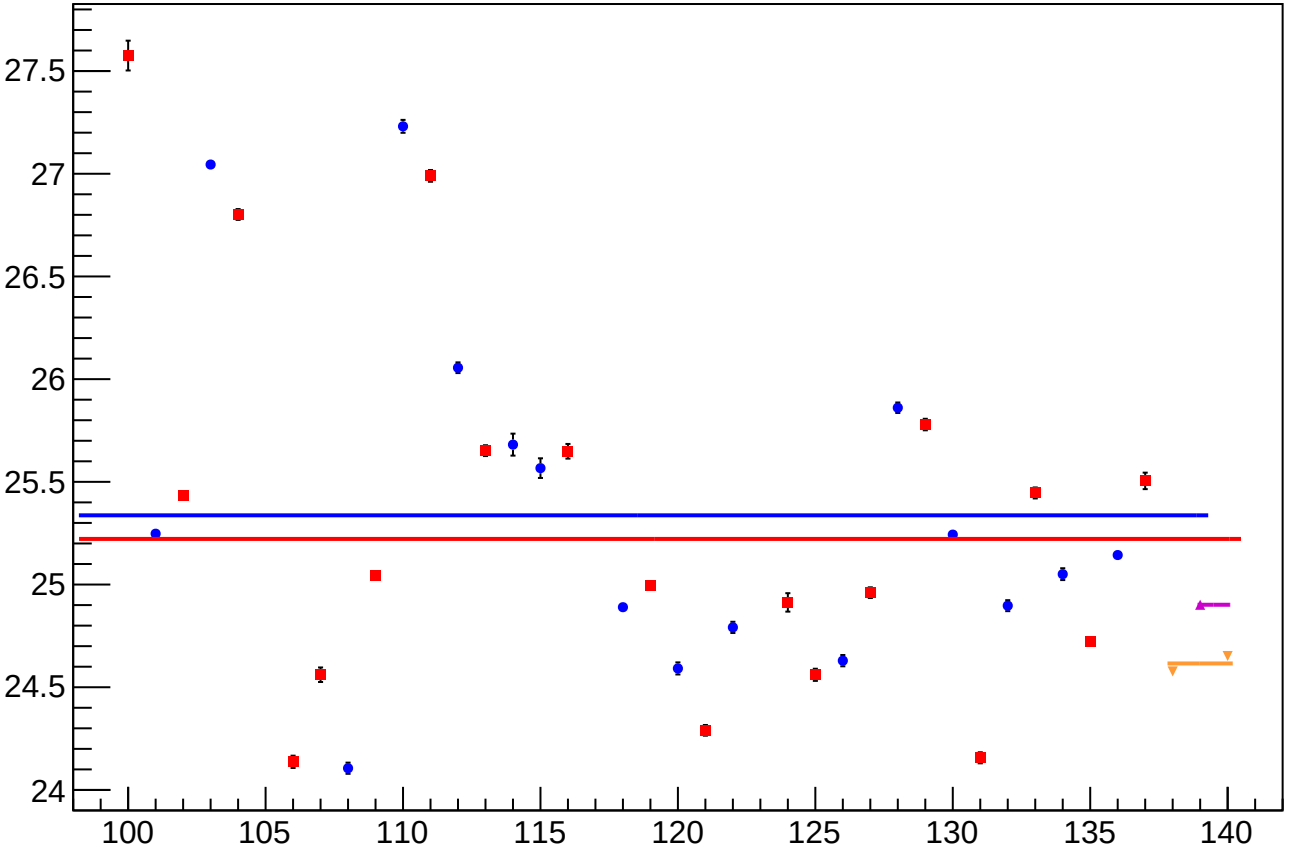
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: -0.910+/-8.898 χ^2/NDF:17.0/16

Out: 21.294+/-8.314 χ^2/NDF:18.7/20

All: 10.945+/-6.075 χ^2/NDF: 39.0/37

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 24.616+/-0.014 χ^2/NDF:7.5/1

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.902+/-0.019 χ^2/NDF:0.0/0

Left: 24.712+/-0.011 χ^2/NDF: 155.1/2

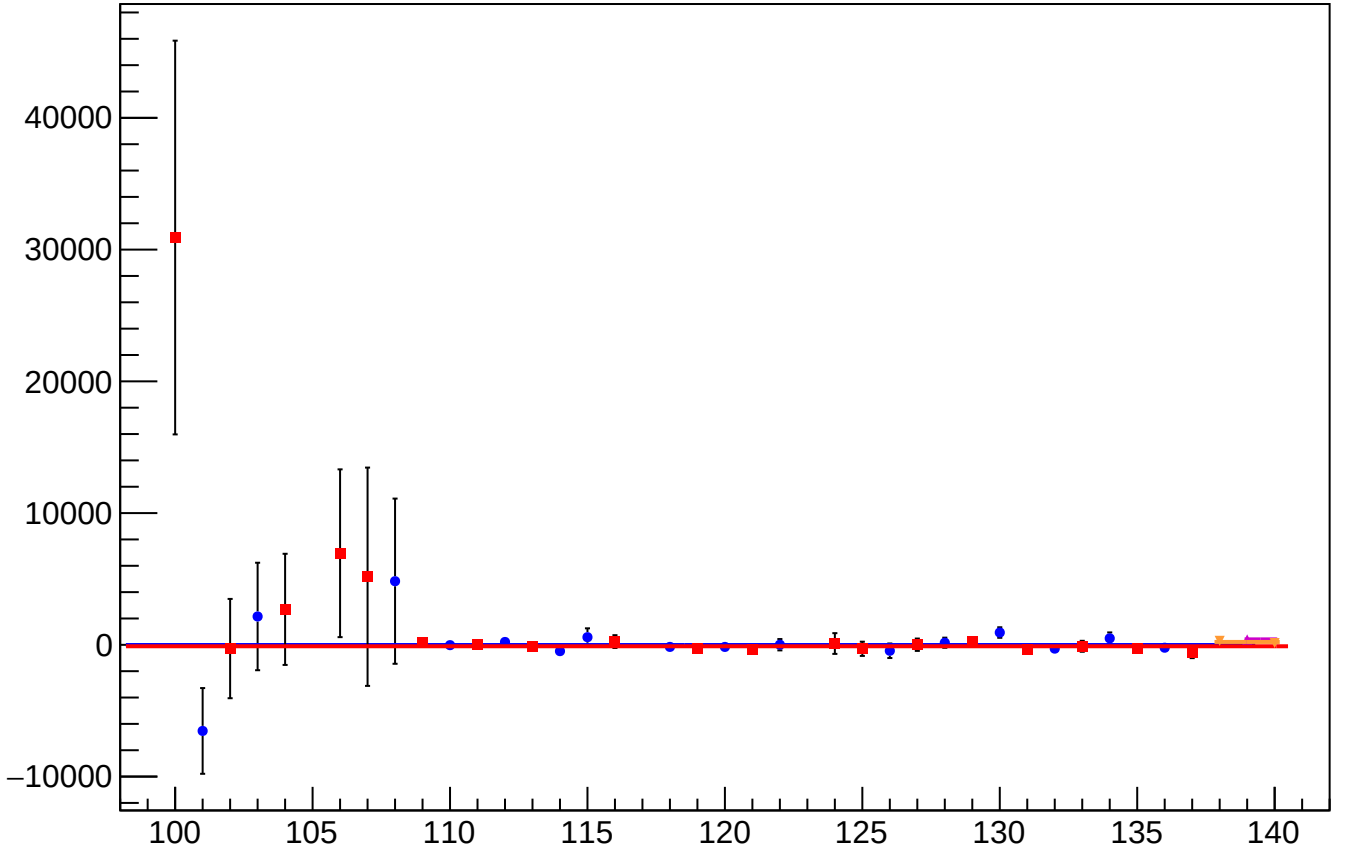
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.290+/-0.006 χ^2/NDF:14776.1/16

Out: 25.110+/-0.006 χ^2/NDF:16835.6/20

All: 25.194+/-0.004 χ^2/NDF: 32048.5/37

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 220.062+/-172.131 χ^2/NDF:0.2/1

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 413.517+/-230.603 χ^2/NDF:0.0/0

Left: 289.282+/-137.940 χ^2/NDF: 0.7/2

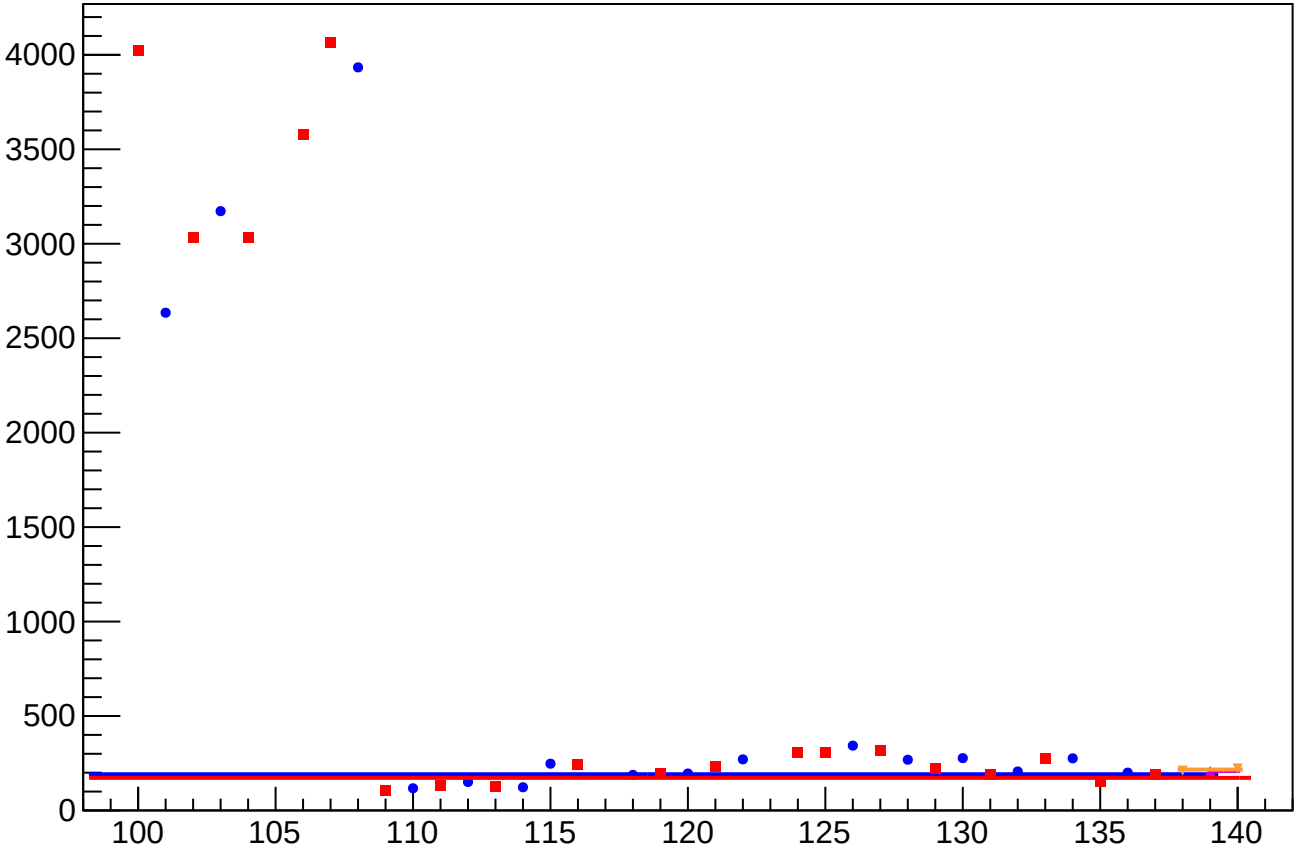
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 35.543+/-79.507 χ^2/NDF:21.4/16

Out: -52.679+/-71.121 χ^2/NDF:17.3/20

All: -13.465+/-53.008 χ^2/NDF: 39.4/37

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 216.492+/-0.122 χ^2/NDF:2198.6/1

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 208.965+/-0.163 χ^2/NDF:0.0/0

Left: 213.799+/-0.098 χ^2/NDF: 3567.1/2

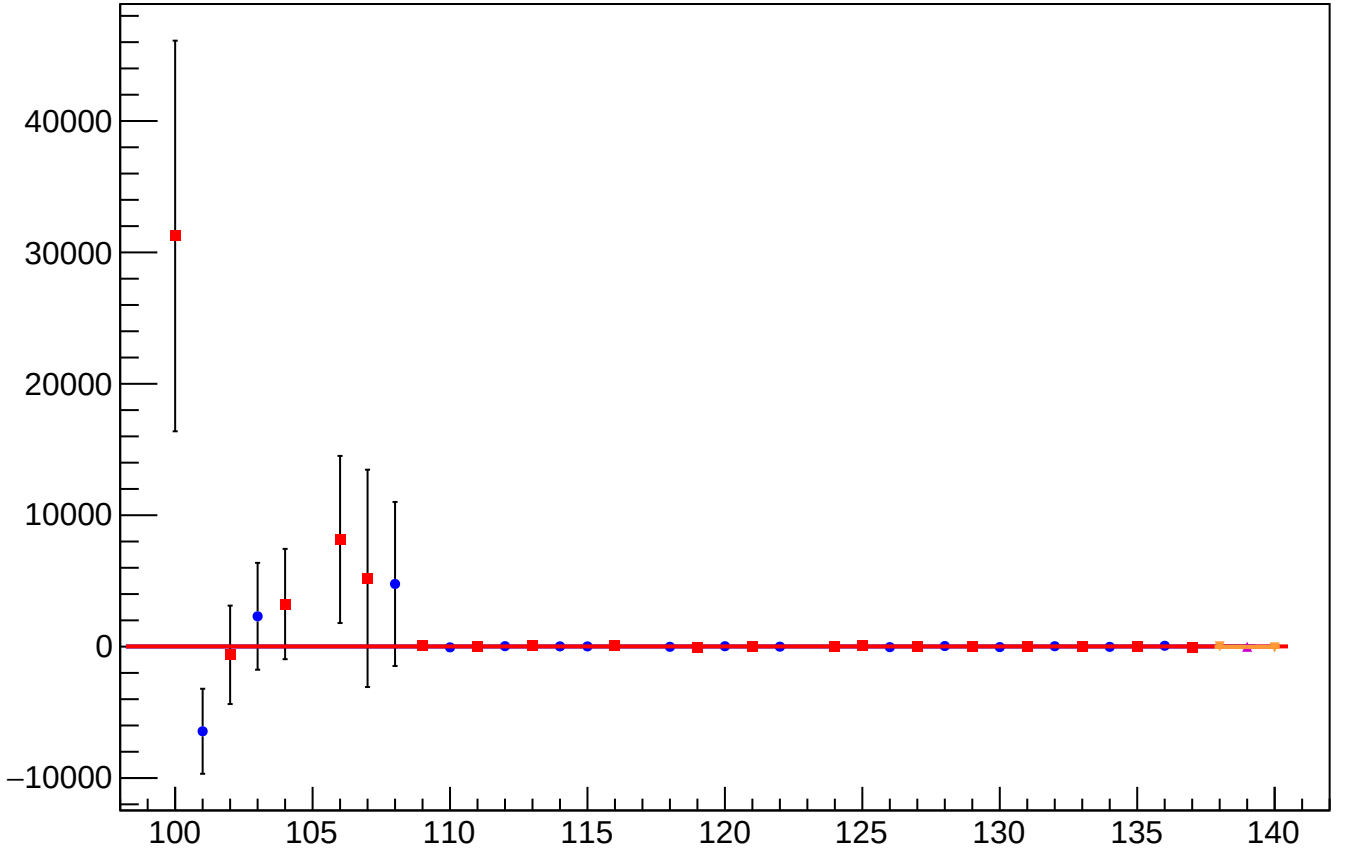
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 193.784+/-0.056 χ^2/NDF:3831641.3/16

Out: 179.979+/-0.050 χ^2/NDF:4413846.8/20

All: 186.115+/-0.037 χ^2/NDF: 8278982.4/37

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -21.535+/-22.135 χ^2/NDF:3.3/1

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: -9.113+/-30.535 χ^2/NDF:0.0/0

Left: -17.256+/-17.922 χ^2/NDF: 3.4/2

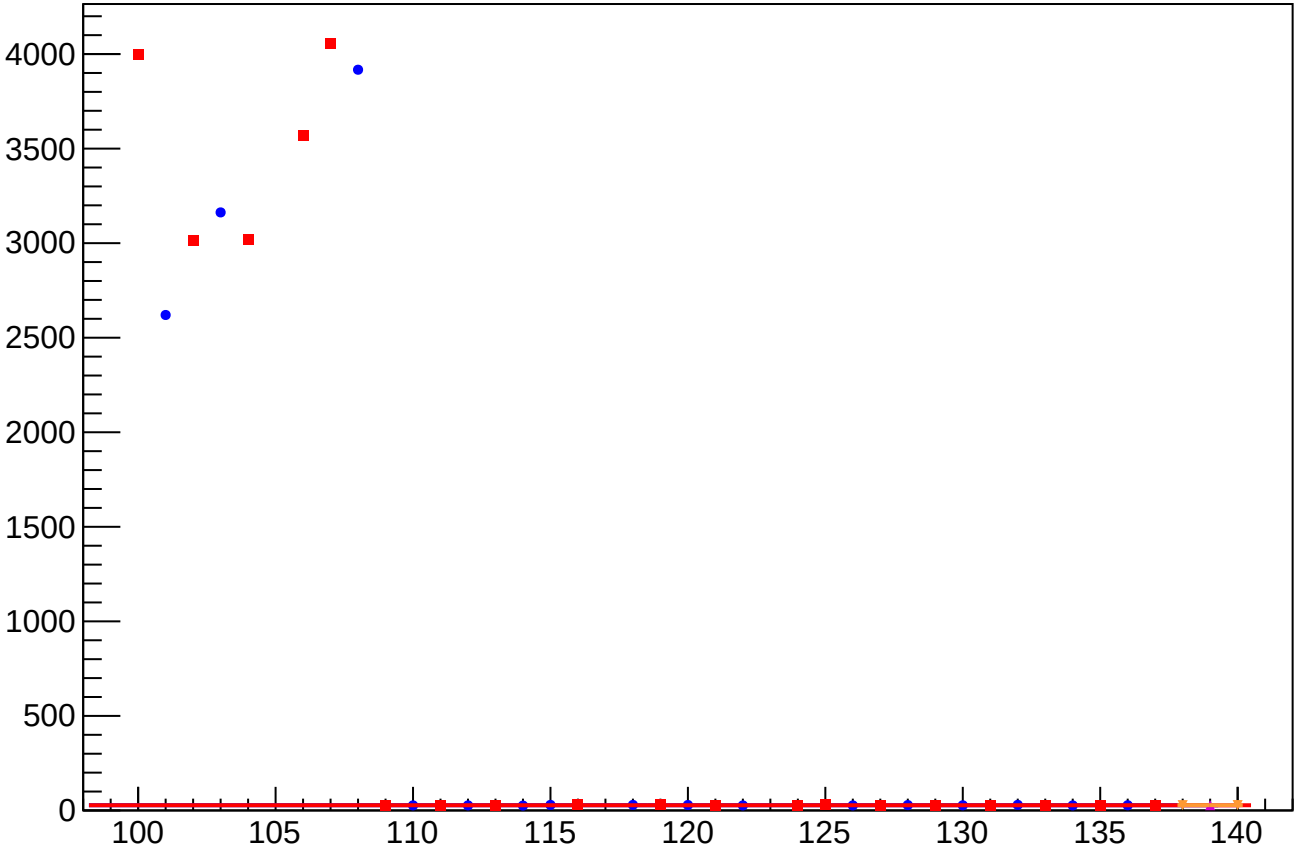
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 7.189+/-10.913 χ^2/NDF:16.3/16

Out: 9.327+/-10.416 χ^2/NDF:30.5/20

All: 8.308+/-7.535 χ^2/NDF: 46.9/37

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 28.079+/-0.016 χ^2/NDF:161.8/1

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 27.995+/-0.022 χ^2/NDF:0.0/0

Left: 28.050+/-0.013 χ^2/NDF: 171.8/2

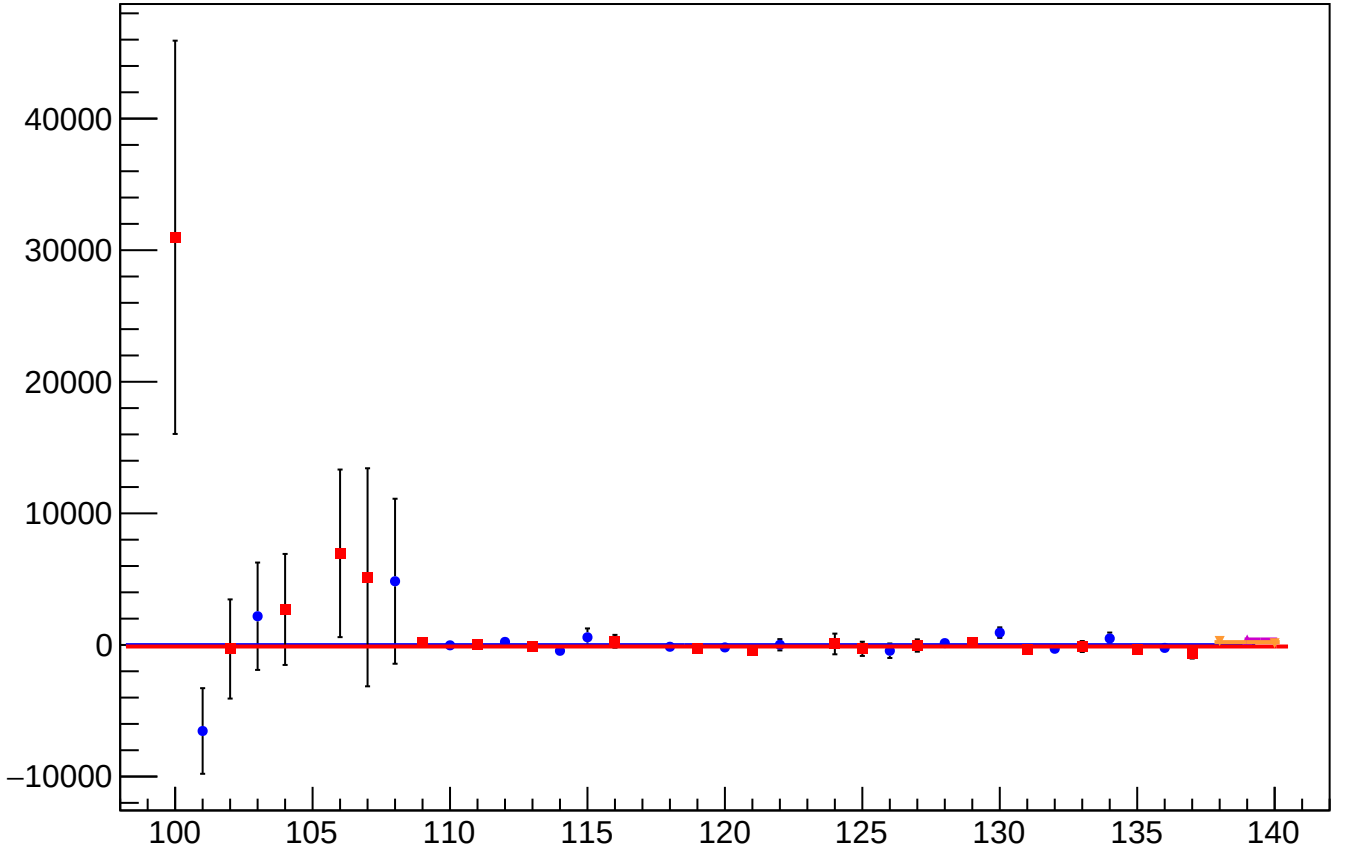
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 27.687+/-0.008 χ^2/NDF:3265731.7/16

Out: 27.655+/-0.007 χ^2/NDF:3556333.9/20

All: 27.670+/-0.005 χ^2/NDF: 6822074.3/37

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 217.227+/-171.670 χ^2/NDF:0.2/1

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 416.263+/-230.072 χ^2/NDF:0.0/0

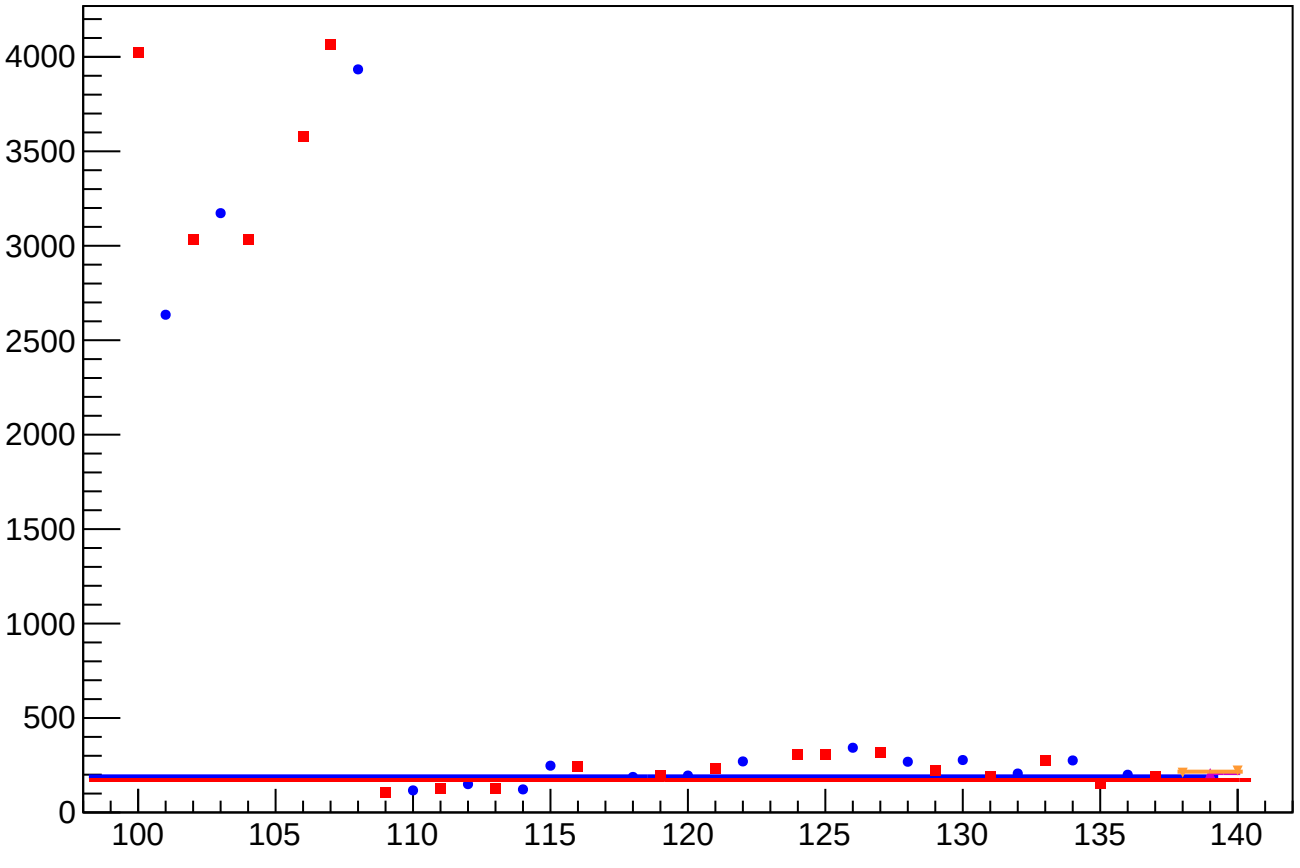
Left: 288.409+/-137.589 χ^2/NDF: 0.7/2

Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 37.832+/-79.281 χ^2/NDF:21.4/16

Out: -60.857+/-70.910 χ^2/NDF:17.9/20

All: -16.997+/-52.854 χ^2/NDF: 40.1/37



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 215.913+/-0.121 χ^2/NDF:2202.9/1

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 208.481+/-0.163 χ^2/NDF:0.0/0

Left: 213.255+/-0.097 χ^2/NDF: 3543.5/2

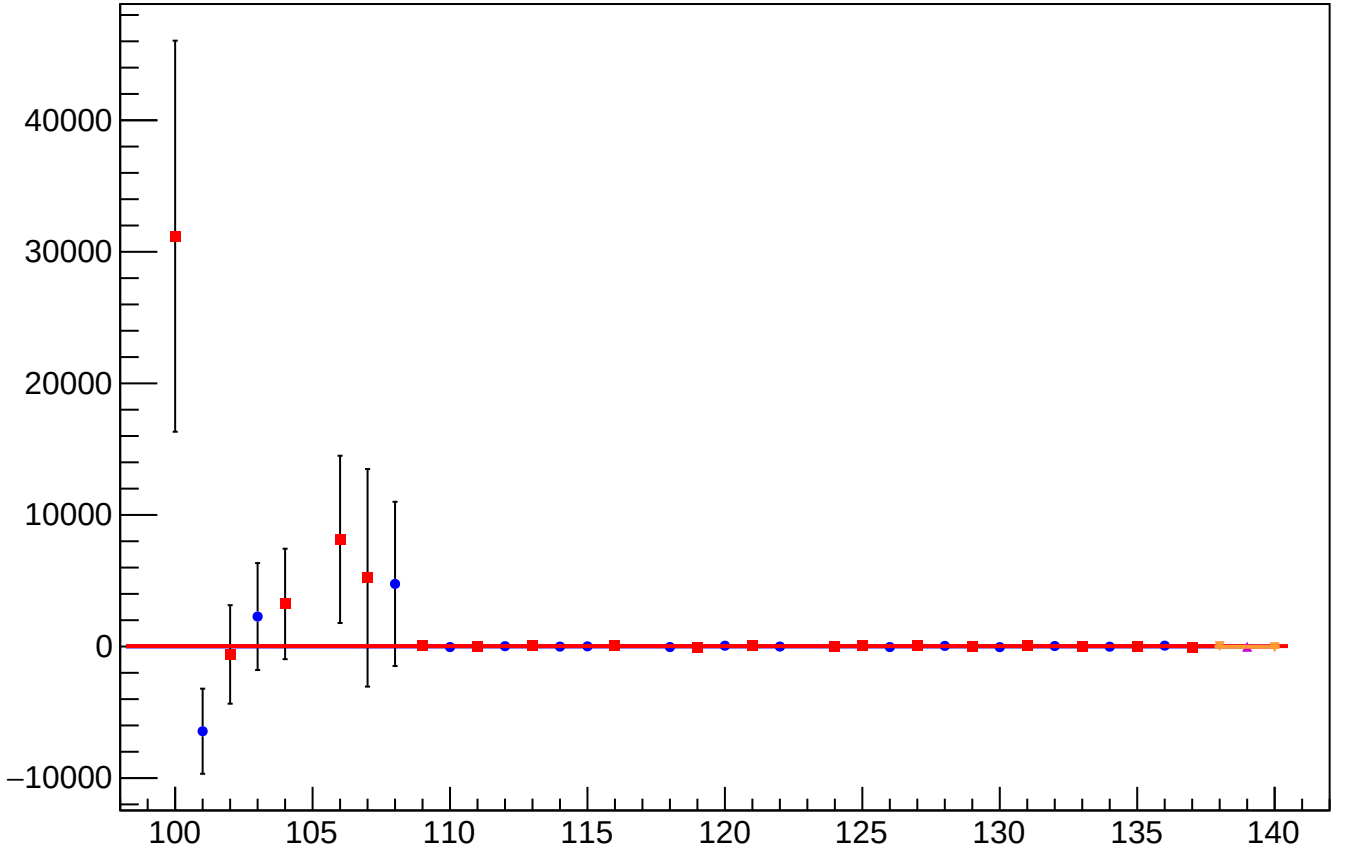
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 193.137+/-0.056 χ^2/NDF:3844046.5/16

Out: 179.356+/-0.050 χ^2/NDF:4426280.9/20

All: 185.481+/-0.037 χ^2/NDF: 8303903.8/37

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -21.073+/-22.251 χ^2/NDF:3.2/1

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: -15.527+/-30.693 χ^2/NDF:0.0/0

Left: -19.163+/-18.015 χ^2/NDF: 3.2/2

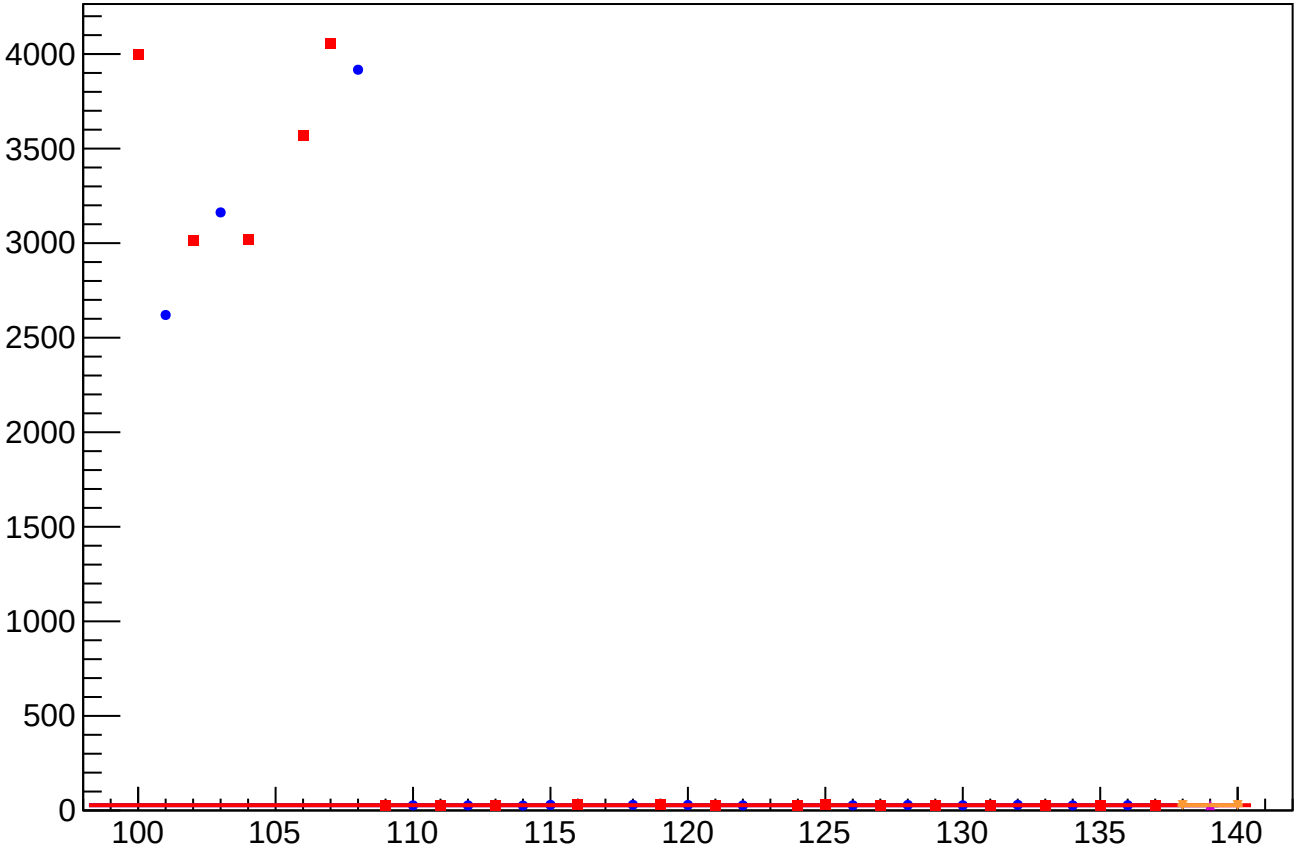
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 3.670+/-10.985 χ^2/NDF:18.7/16

Out: 19.386+/-10.495 χ^2/NDF:27.3/20

All: 11.887+/-7.588 χ^2/NDF: 47.1/37

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.229+/-0.016 χ^2/NDF:5.9/1

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.138+/-0.022 χ^2/NDF:0.0/0

Left: 28.198+/-0.013 χ^2/NDF: 17.3/2

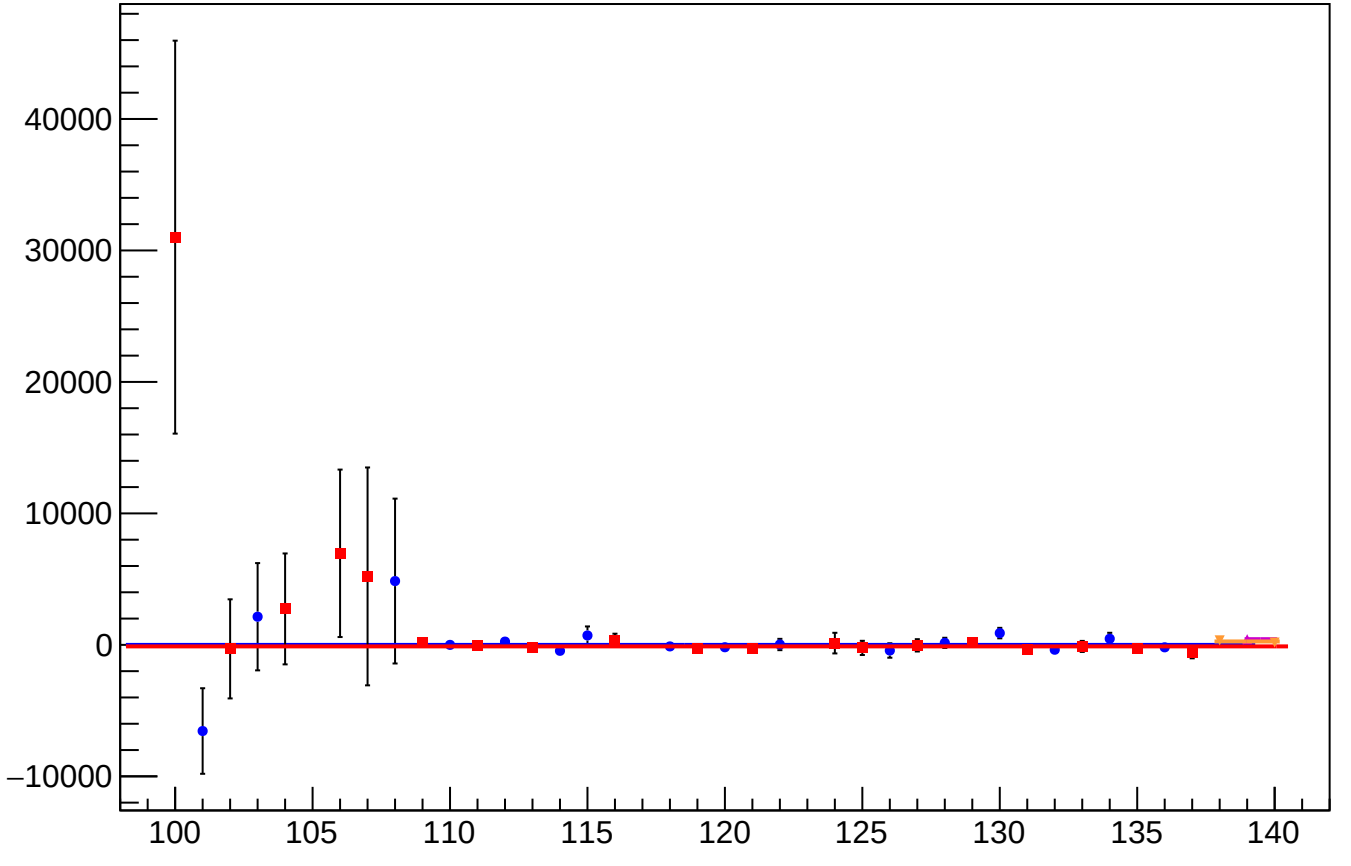
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 27.865+/-0.008 χ^2/NDF:3266077.3/16

Out: 27.859+/-0.007 χ^2/NDF:3559392.4/20

All: 27.862+/-0.005 χ^2/NDF: 6825470.0/37

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 260.440+/-174.423 χ^2/NDF:0.2/1

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 433.191+/-233.273 χ^2/NDF:0.0/0

Left: 322.389+/-139.691 χ^2/NDF: 0.6/2

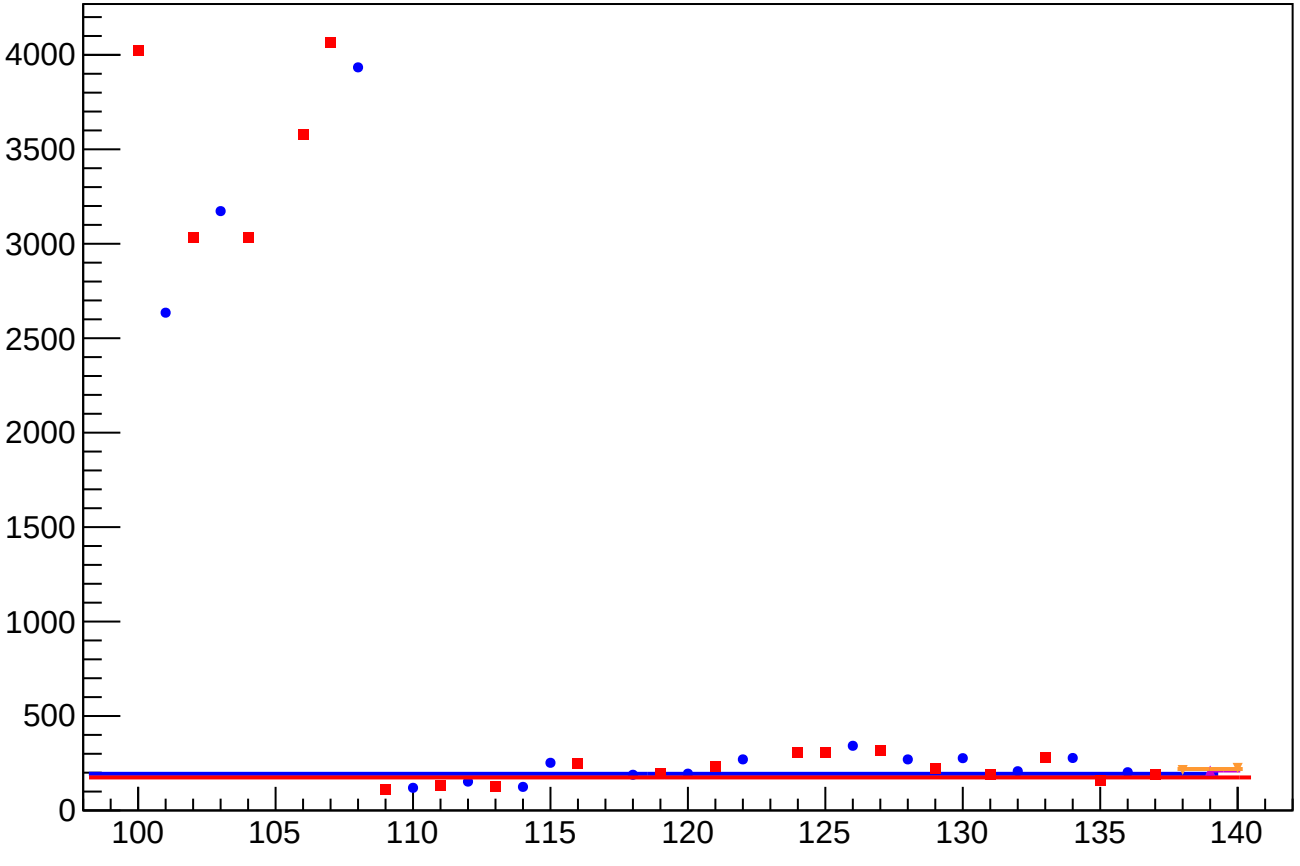
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 48.847+/-80.284 χ^2/NDF:21.3/16

Out: -51.782+/-71.927 χ^2/NDF:17.9/20

All: -6.976+/-53.572 χ^2/NDF: 40.1/37

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 219.402+/-0.123 χ^2/NDF:2071.0/1

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 211.407+/-0.165 χ^2/NDF:0.0/0

Left: 216.535+/-0.099 χ^2/NDF: 3577.9/2

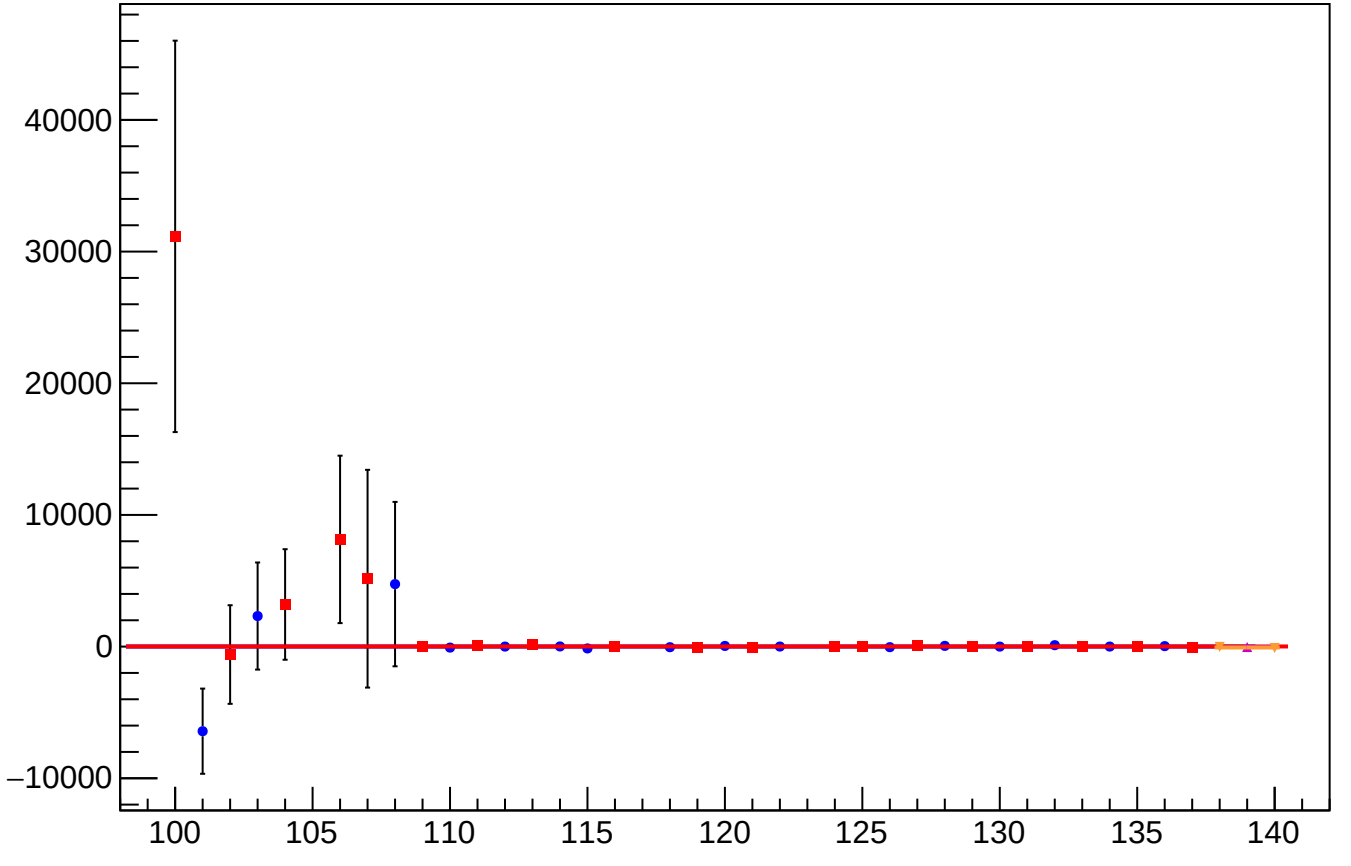
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 196.015+/-0.057 χ^2/NDF:3794345.8/16

Out: 182.368+/-0.051 χ^2/NDF:4370034.9/20

All: 188.444+/-0.038 χ^2/NDF: 8196438.6/37

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -66.637+/-27.022 χ^2/NDF:2.4/1

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -29.852+/-37.173 χ^2/NDF:0.0/0

Left: -53.919+/-21.857 χ^2/NDF: 3.1/2

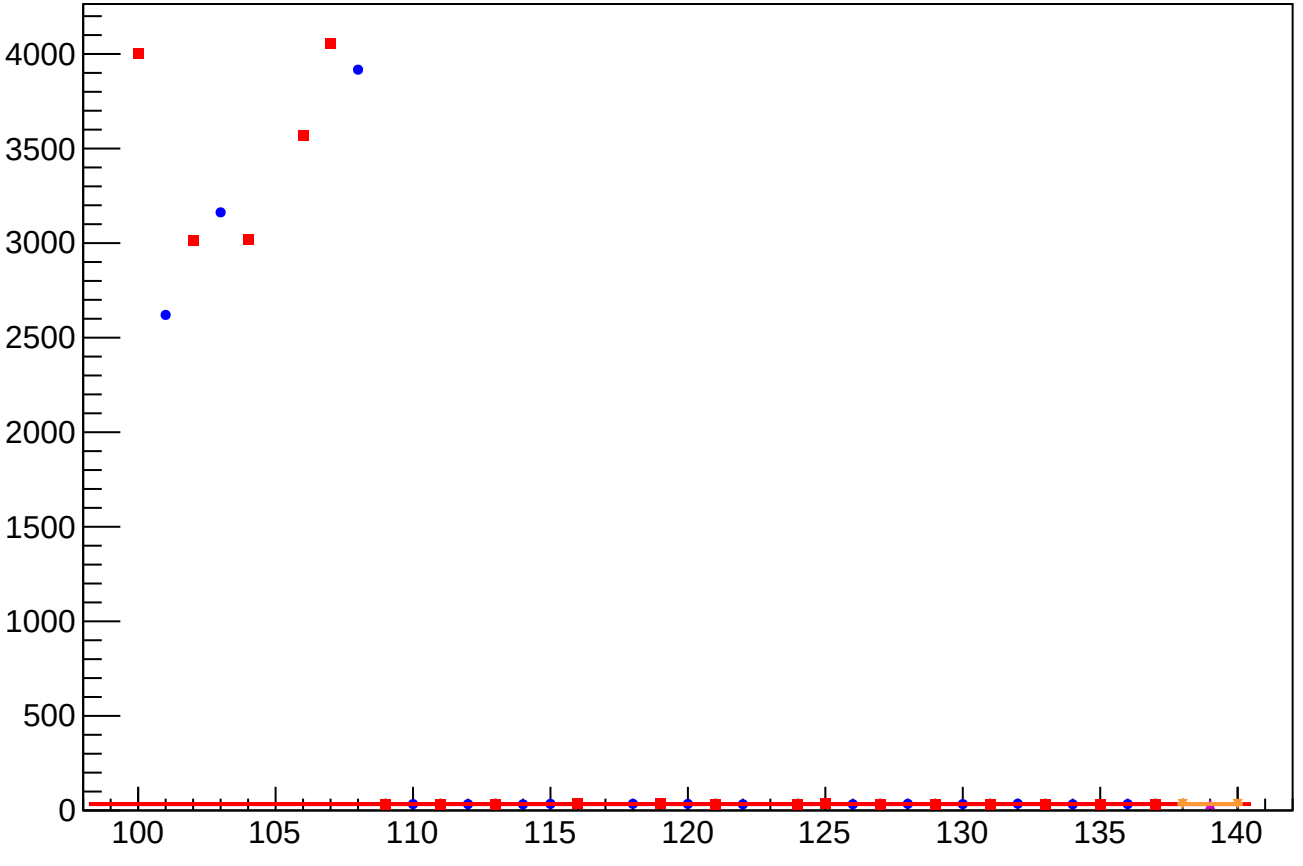
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 1.080+/-13.351 χ^2/NDF:18.3/16

Out: -7.007+/-12.731 χ^2/NDF:32.1/20

All: -3.156+/-9.213 χ^2/NDF: 50.6/37

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.311+/-0.019 χ^2/NDF:498.1/1

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.124+/-0.026 χ^2/NDF:0.0/0

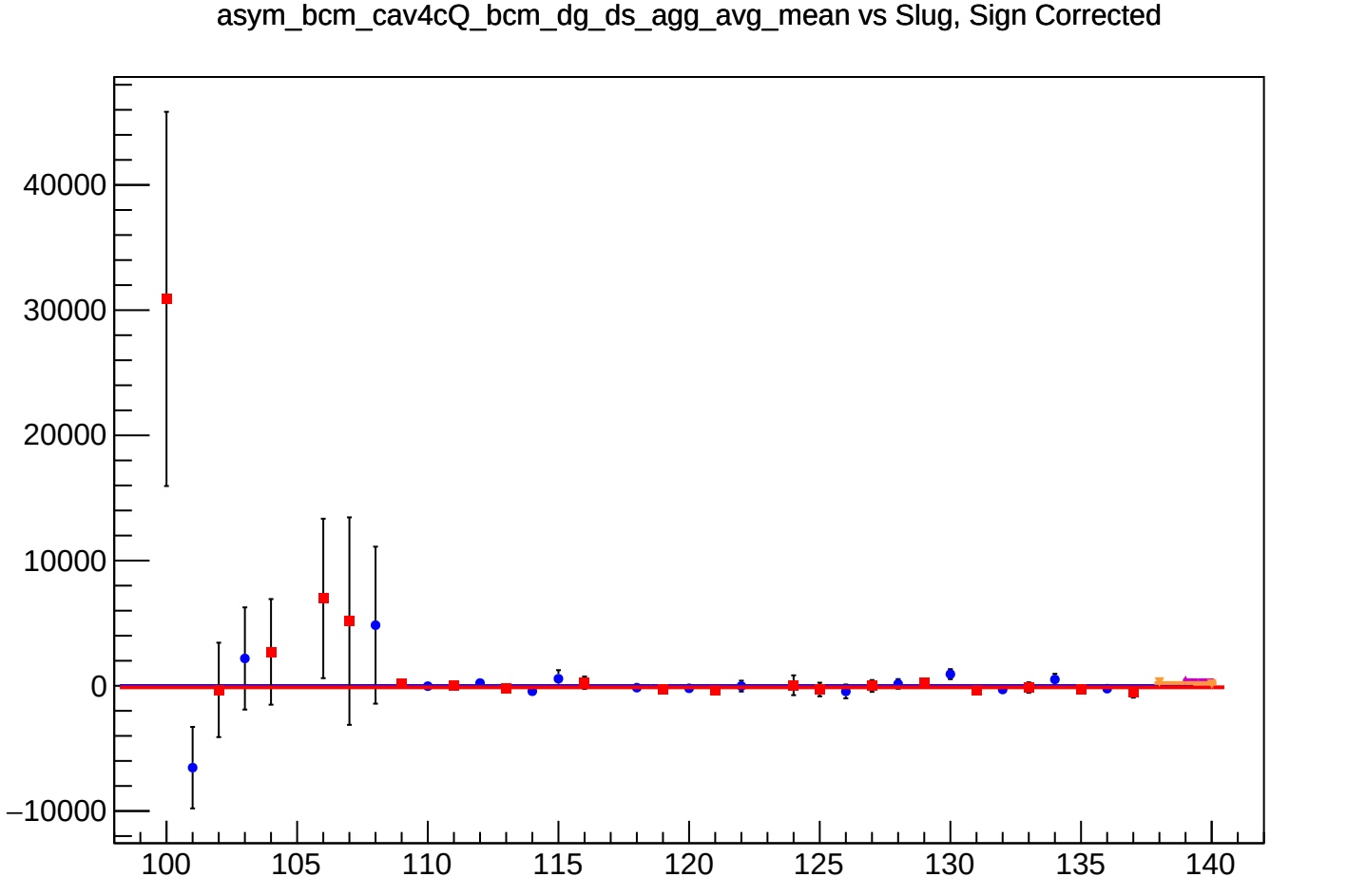
Left: 34.246+/-0.015 χ^2/NDF: 531.1/2

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 33.928+/-0.009 χ^2/NDF:3244445.9/16

Out: 33.856+/-0.009 χ^2/NDF:3527689.8/20

All: 33.890+/-0.007 χ^2/NDF: 6772166.7/37



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 219.913+/-172.572 χ^2/NDF:0.2/1

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 446.867+/-231.334 χ^2/NDF:0.0/0

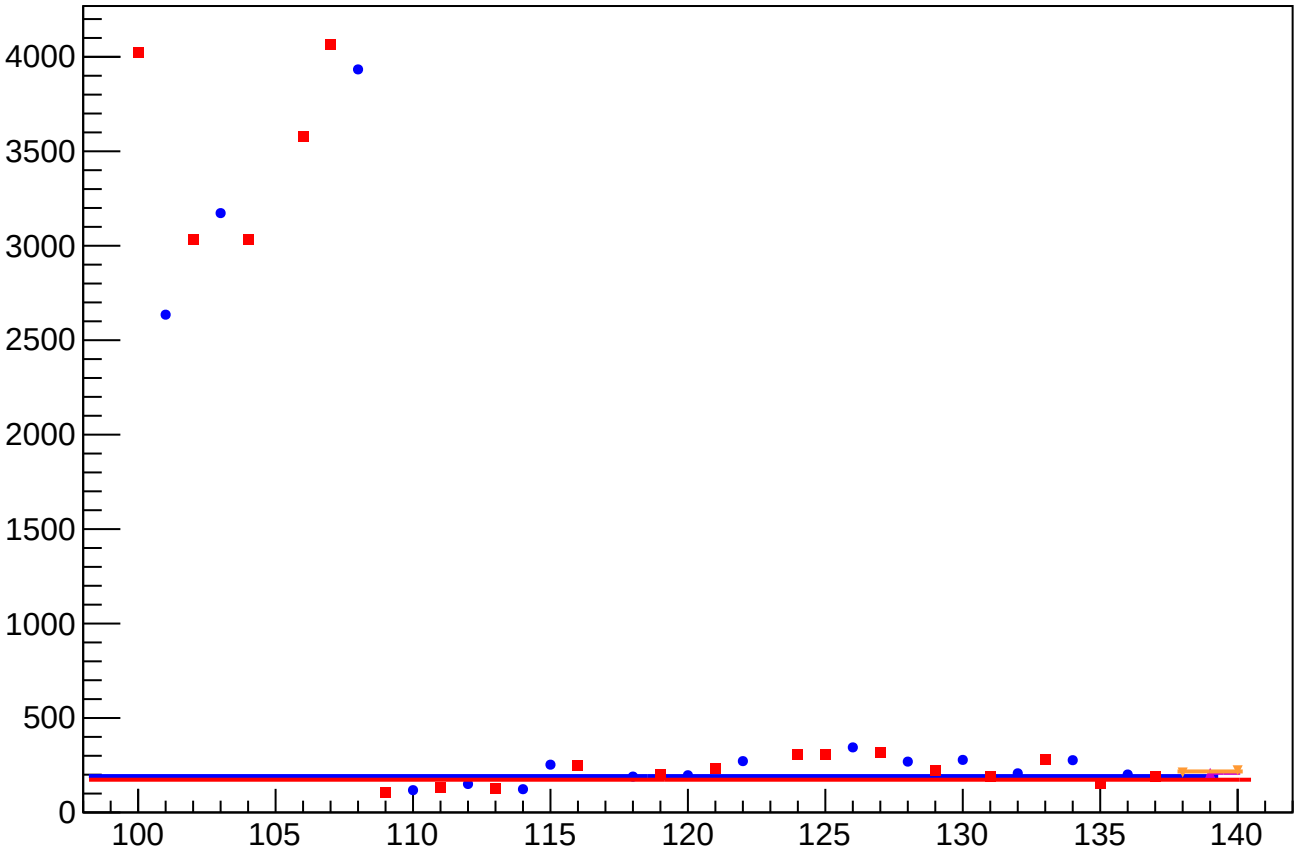
Left: 301.056+/-138.324 χ^2/NDF: 0.8/2

Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 36.027+/-79.837 χ^2/NDF:21.8/16

Out: -61.715+/-71.421 χ^2/NDF:16.7/20

All: -18.266+/-53.230 χ^2/NDF: 39.3/37



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 217.048+/-0.122 χ^2/NDF:2251.4/1

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 209.627+/-0.164 χ^2/NDF:0.0/0

Left: 214.395+/-0.098 χ^2/NDF: 3573.5/2

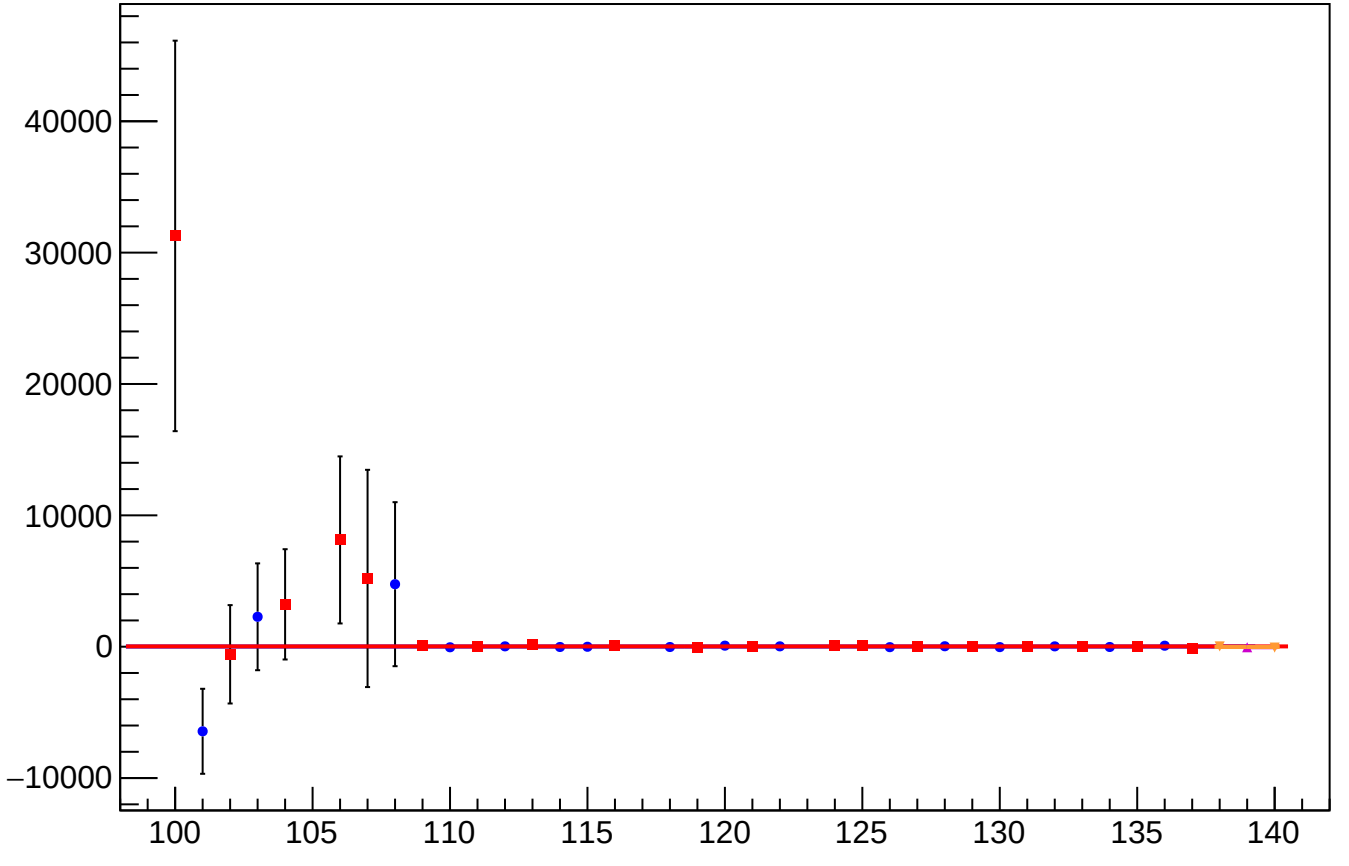
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 194.593+/-0.056 χ^2/NDF:3832378.9/16

Out: 180.751+/-0.051 χ^2/NDF:4416436.5/20

All: 186.904+/-0.038 χ^2/NDF: 8282210.5/37

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -23.553+/-24.299 χ^2/NDF:3.4/1

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: -40.282+/-33.534 χ^2/NDF:0.0/0

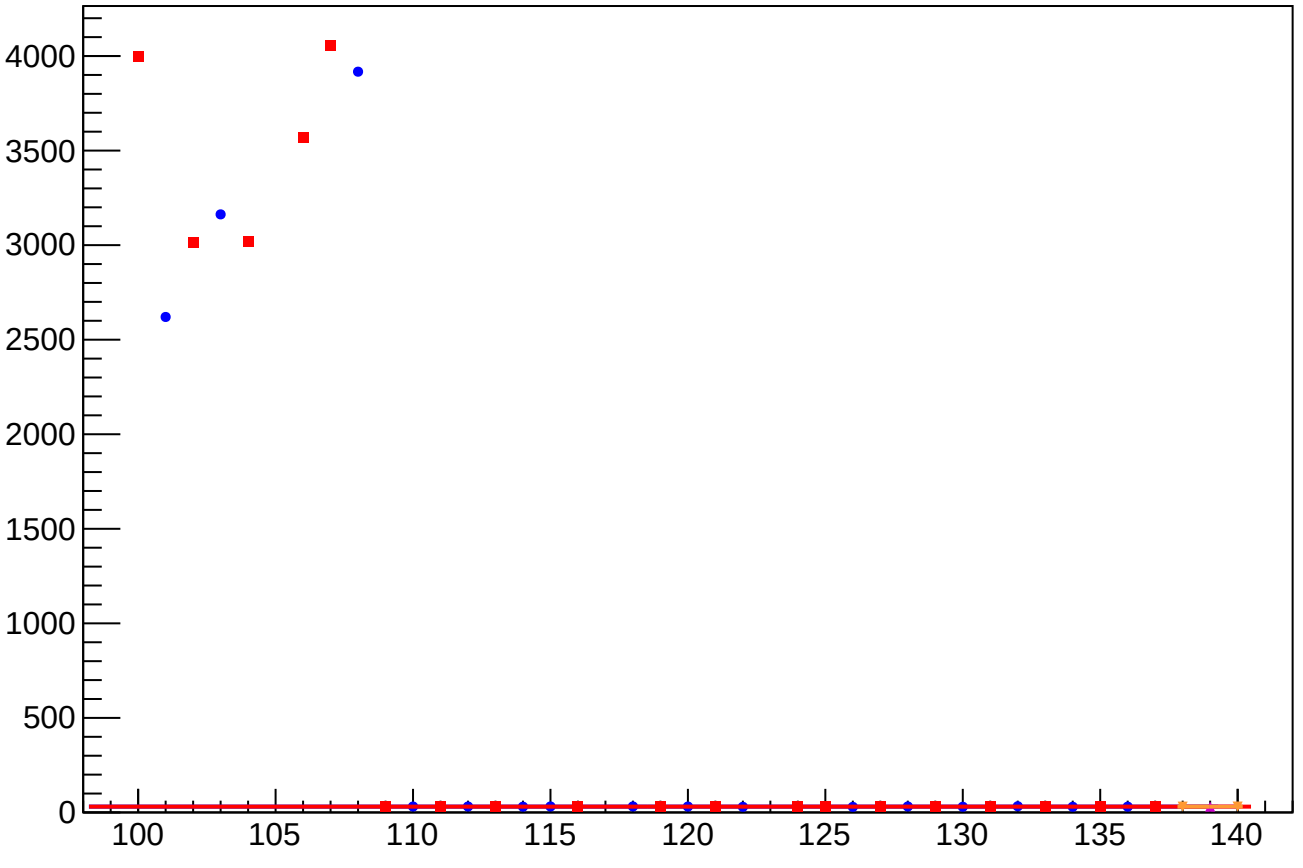
Left: -29.313+/-19.676 χ^2/NDF: 3.6/2

Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 6.600+/-12.171 χ^2/NDF:17.7/16

Out: 12.594+/-11.586 χ^2/NDF:35.0/20

All: 9.744+/-8.392 χ^2/NDF: 52.8/37



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 30.847+/-0.017 χ^2/NDF:62.4/1

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 30.765+/-0.024 χ^2/NDF:0.0/0

Left: 30.819+/-0.014 χ^2/NDF: 70.1/2

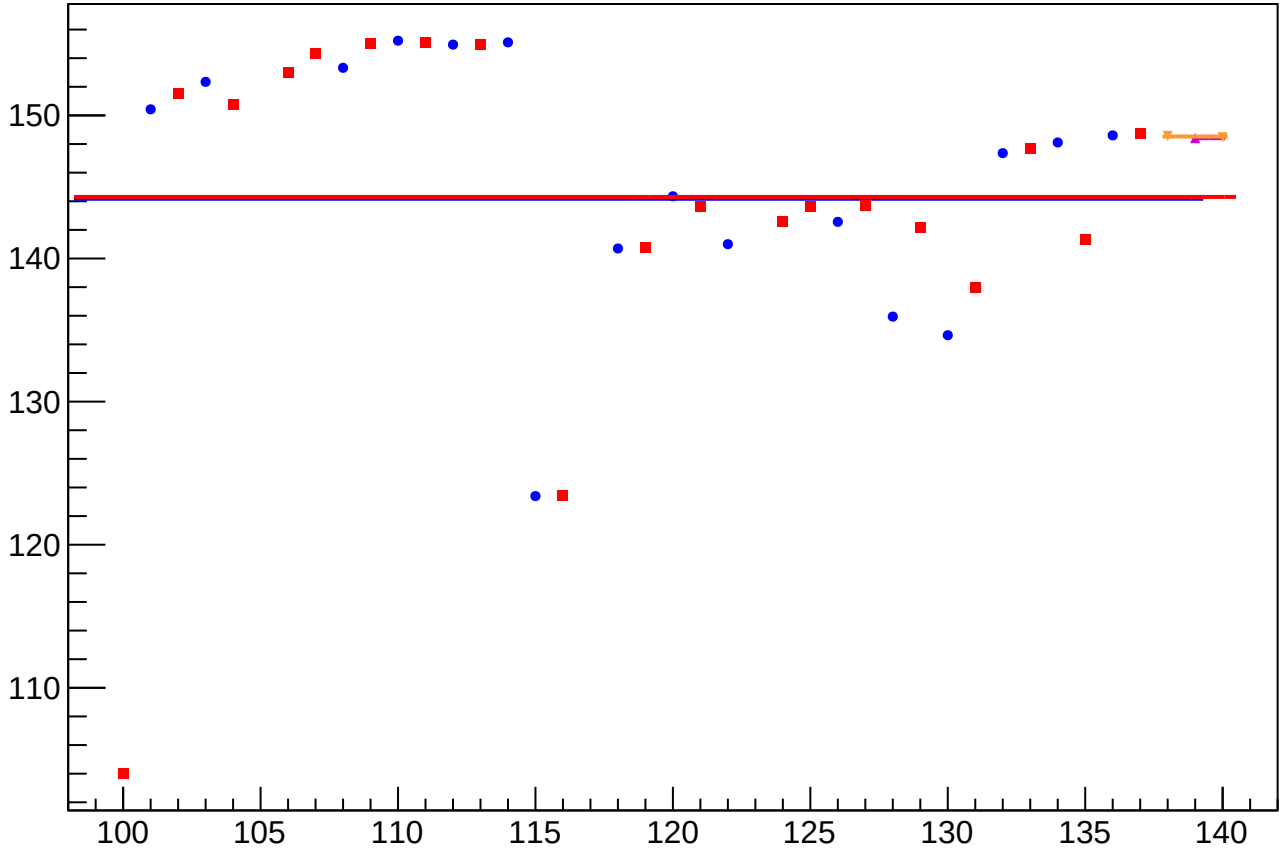
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 30.907+/-0.009 χ^2/NDF:3252648.8/16

Out: 30.793+/-0.008 χ^2/NDF:3536309.8/20

All: 30.847+/-0.006 χ^2/NDF: 6789050.7/37

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.525+/-0.000 χ^2/NDF:32294.6/1

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.412+/-0.000 χ^2/NDF:0.0/0

Left: 148.490+/-0.000 χ^2/NDF: 99288.8/2

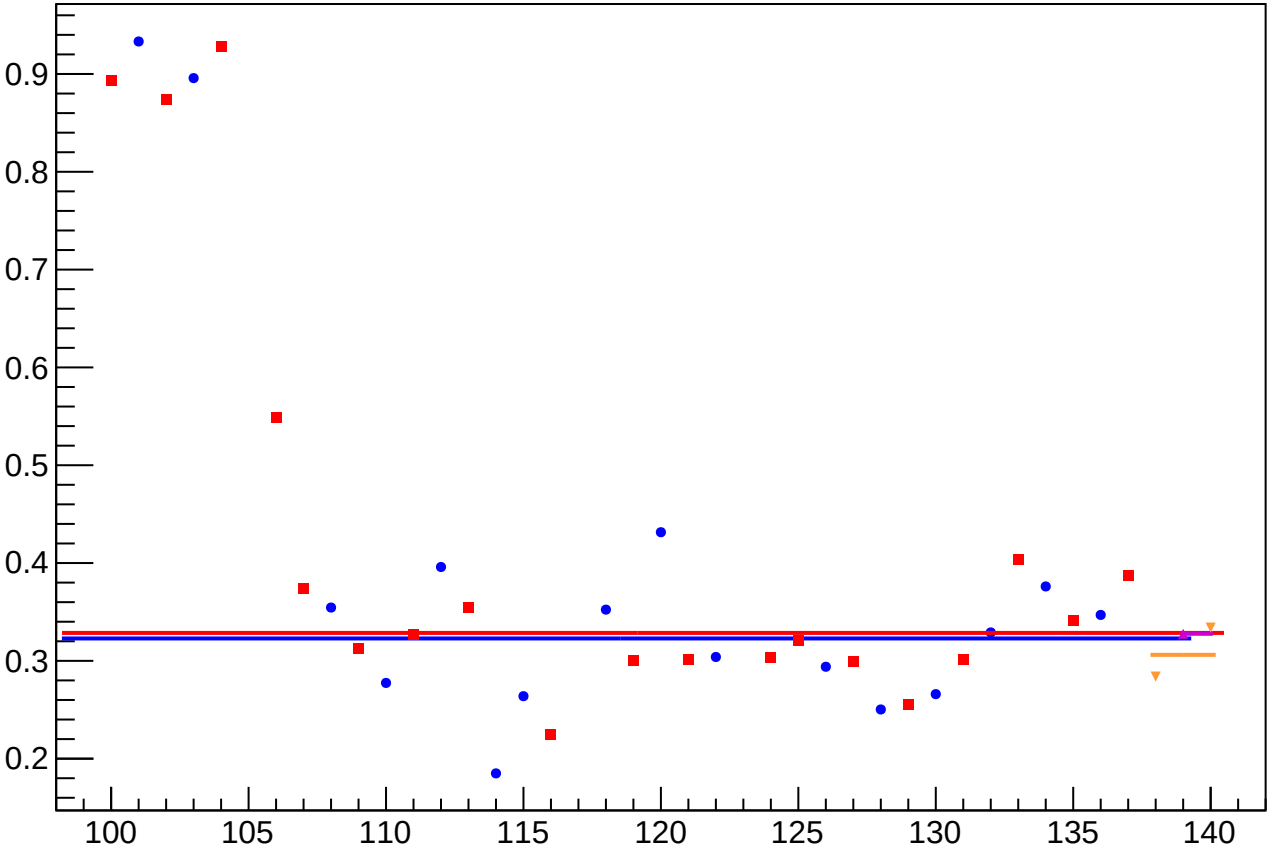
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 144.670+/-0.000 χ^2/NDF:3844024323.0/16

Out: 145.268+/-0.000 χ^2/NDF:4494158581.3/20

All: 144.987+/-0.000 χ^2/NDF: 8350465398.1

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.306+/-0.000 χ^2/NDF:20687.9/1

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.328+/-0.000 χ^2/NDF:0.0/0

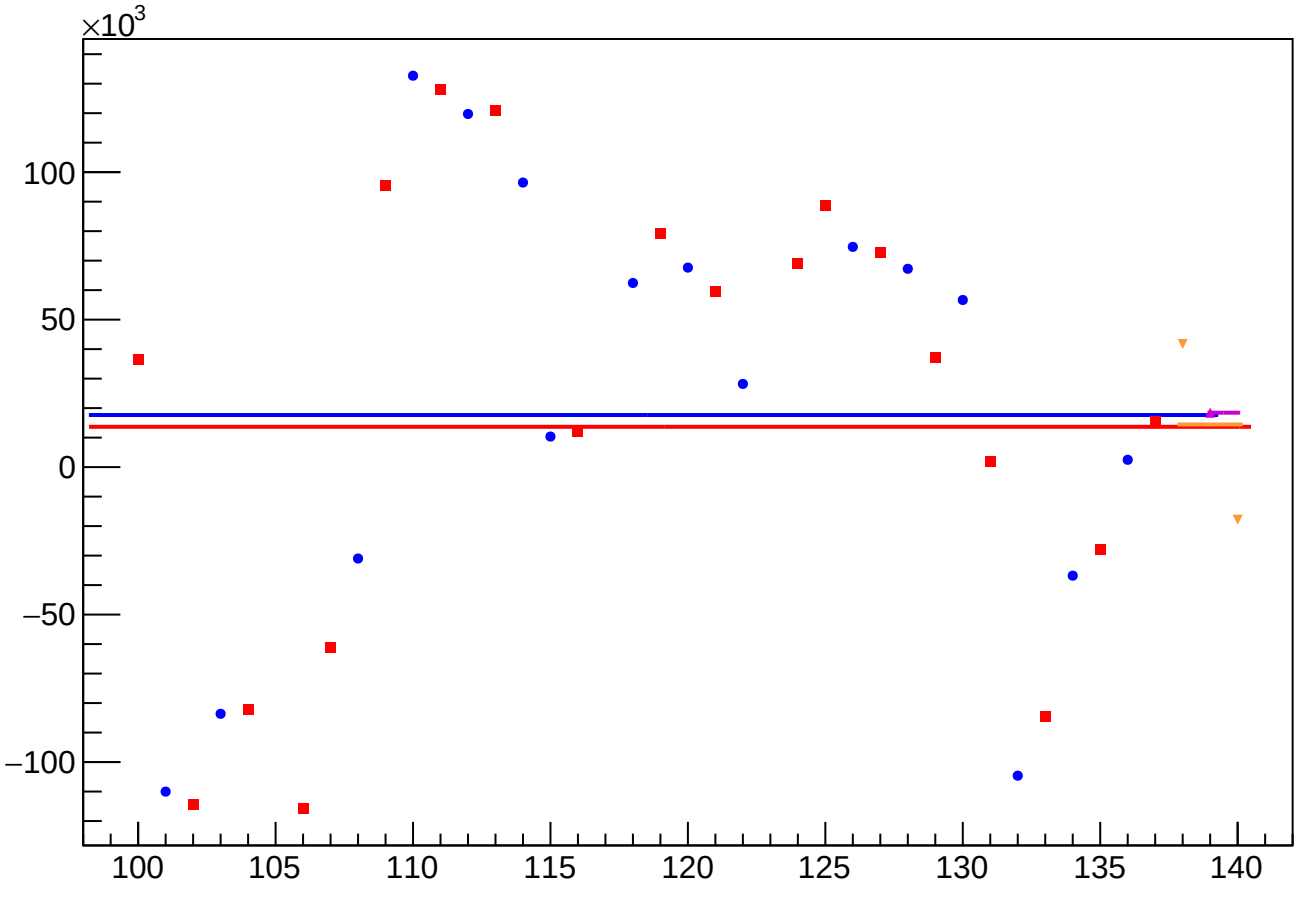
Left: 0.313+/-0.000 χ^2/NDF: 25487.0/2

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.323+/-0.000 χ^2/NDF:1396326.4/16

Out: 0.323+/-0.000 χ^2/NDF:1337790.6/20

All: 0.323+/-0.000 χ^2/NDF: 2734117.0/37



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 14447.157+/-3.943 χ^2/NDF:56666859.2/1

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: 18449.894+/-5.313 χ^2/NDF:0.0/0

Left: 15868.978+/-3.166 χ^2/NDF: 57032851.5/2

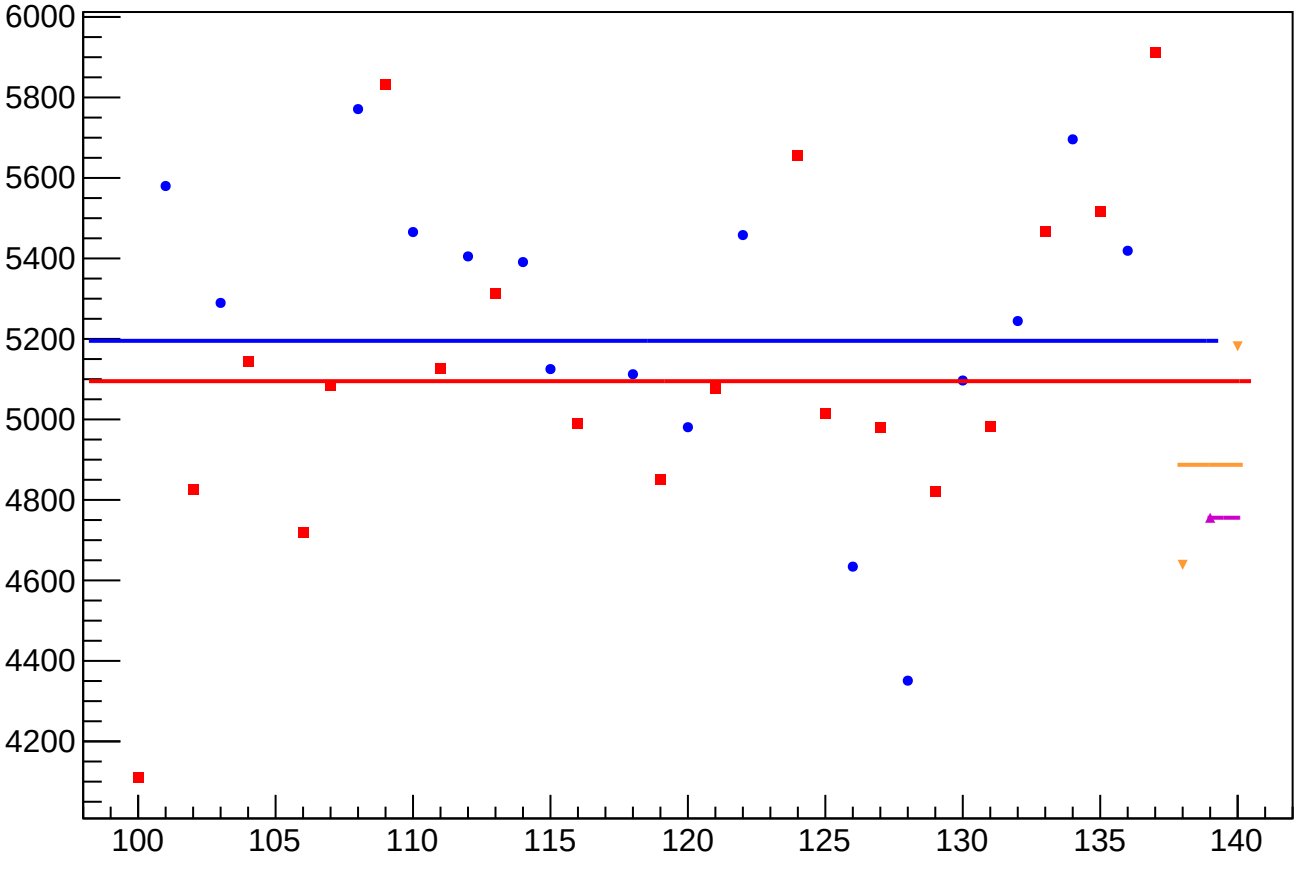
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 17761.834+/-1.876 χ^2/NDF:1398757864.1/16

Out: 13816.571+/-1.730 χ^2/NDF:1913661393.7/20

All: 15629.220+/-1.272 χ^2/NDF: 3314809193

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4887.250+/-2.788 χ^2/NDF:9409.9/1

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4755.727+/-3.757 χ^2/NDF:0.0/0

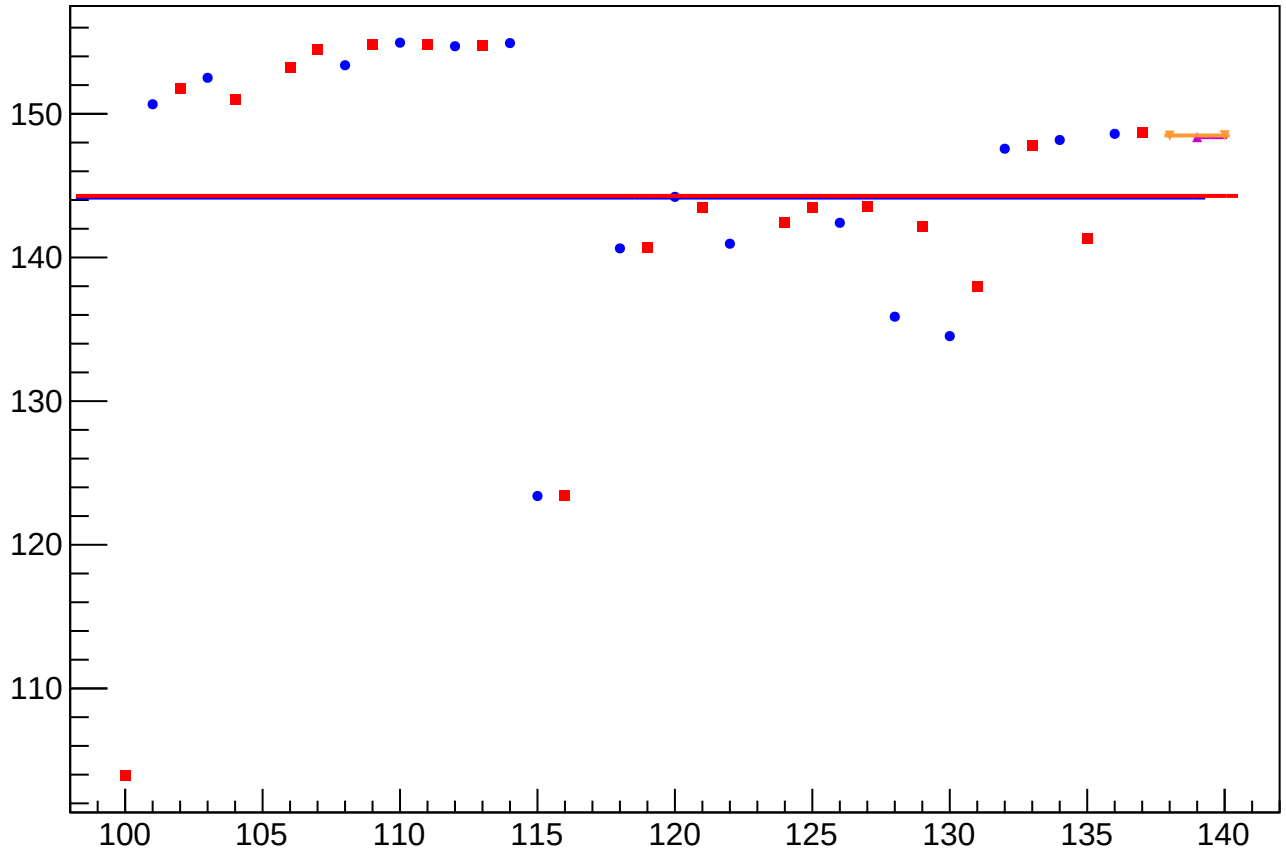
Left: 4840.532+/-2.239 χ^2/NDF: 10200.2/2

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 5140.474+/-1.327 χ^2/NDF:89149.3/16

Out: 5055.061+/-1.223 χ^2/NDF:73006.9/20

All: 5094.304+/-0.899 χ^2/NDF: 164396.5/37



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.494+/-0.000 χ^2/NDF:3668.4/1

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 148.379+/-0.000 χ^2/NDF:0.0/0

Left: 148.458+/-0.000 χ^2/NDF: 72804.1/2

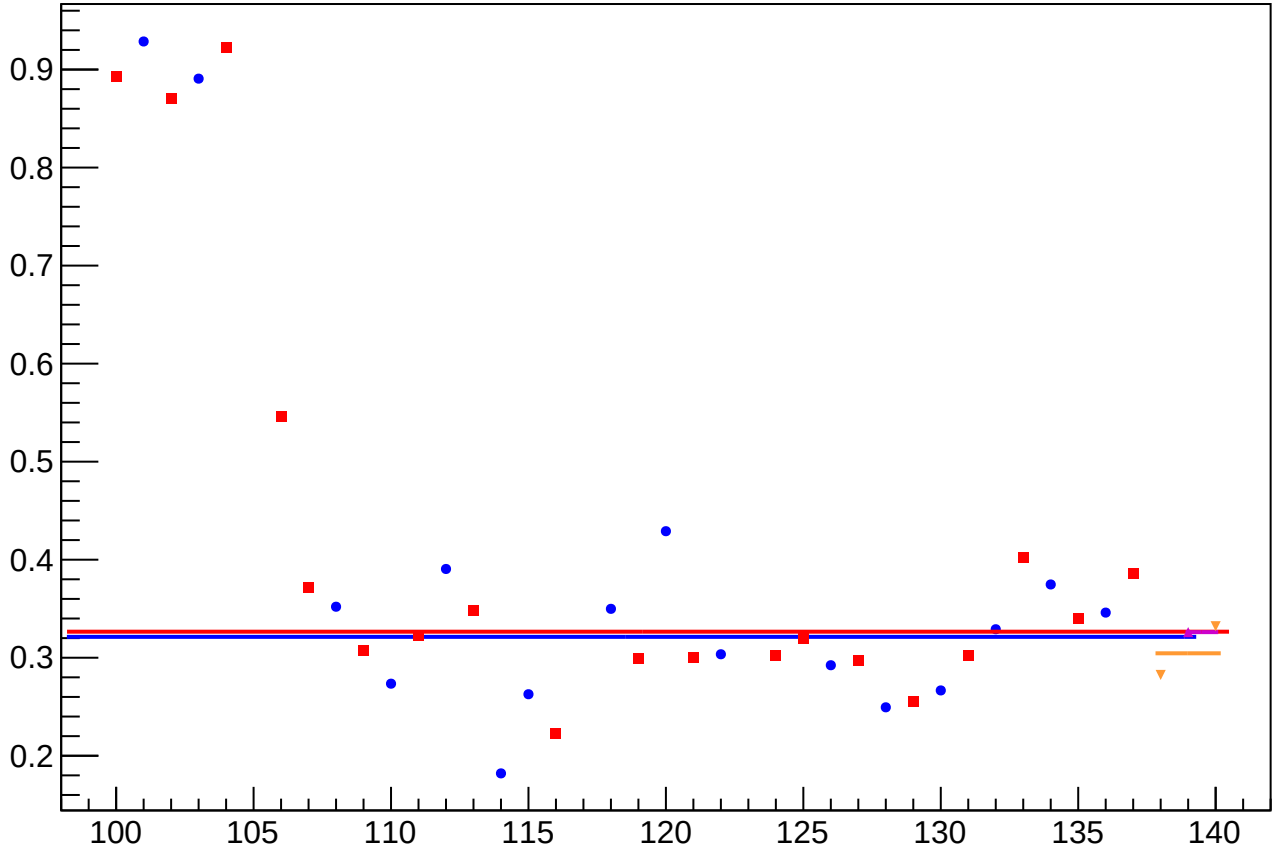
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 144.662+/-0.000 χ^2/NDF:3883623238.2/16

Out: 145.246+/-0.000 χ^2/NDF:4520915679.7/20

All: 144.972+/-0.000 χ^2/NDF: 8416383667.7

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.305+/-0.000 χ^2/NDF:20581.3/1

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.326+/-0.000 χ^2/NDF:0.0/0

Left: 0.311+/-0.000 χ^2/NDF: 25470.6/2

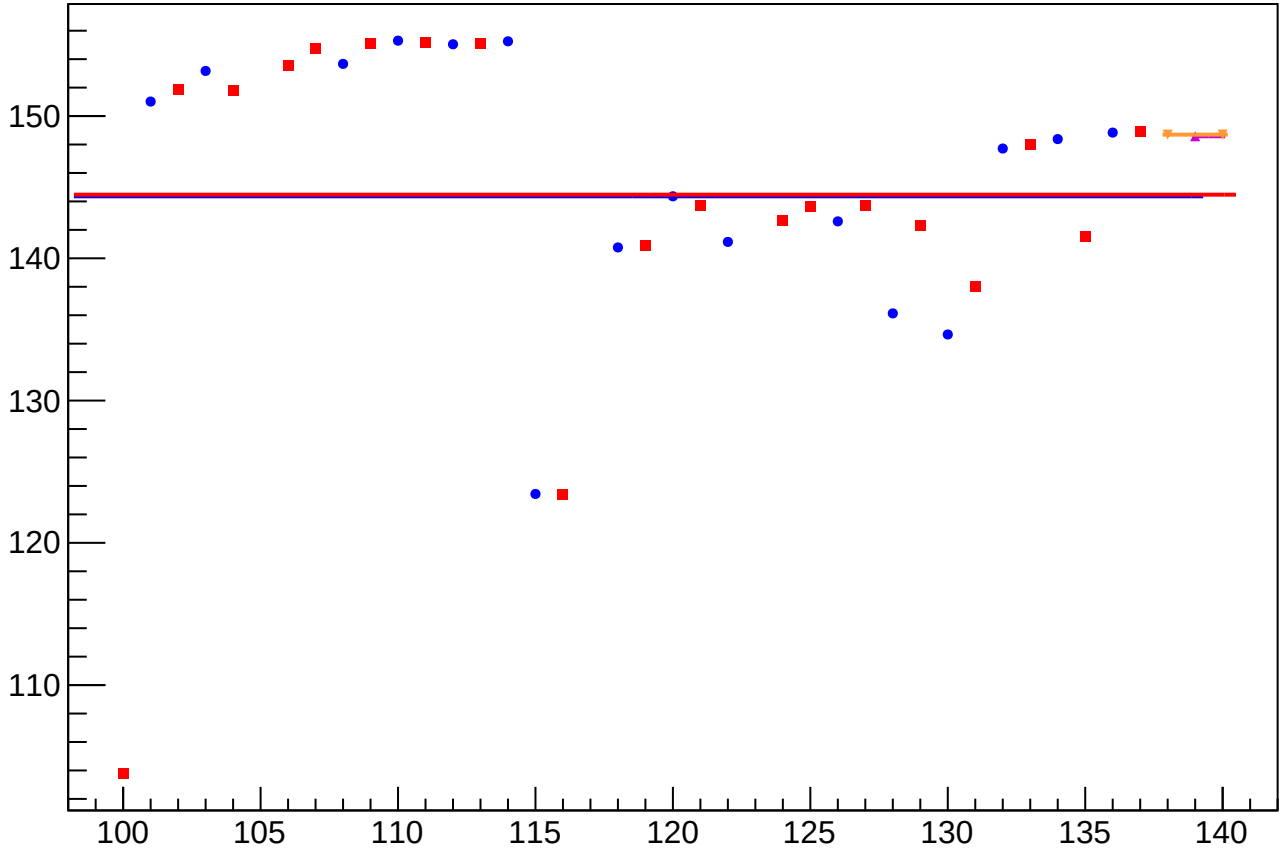
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.322+/-0.000 χ^2/NDF:1396562.4/16

Out: 0.322+/-0.000 χ^2/NDF:1335987.9/20

All: 0.322+/-0.000 χ^2/NDF: 2732557.5/37

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.696+/-0.000 χ^2/NDF:243.1/1

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 148.582+/-0.000 χ^2/NDF:0.0/0

Left: 148.660+/-0.000 χ^2/NDF: 67849.0/2

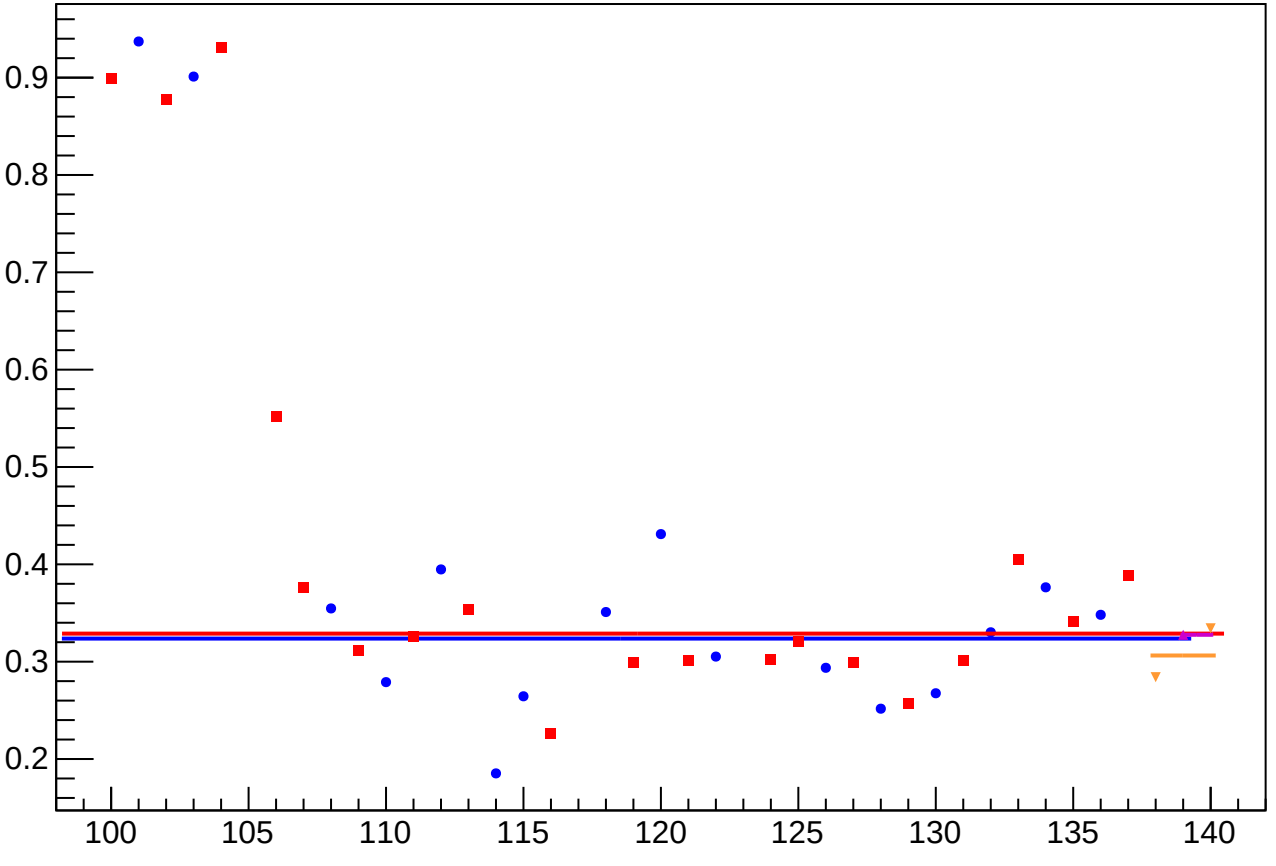
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 144.854+/-0.000 χ^2/NDF:3876999691.0/16

Out: 145.438+/-0.000 χ^2/NDF:4511322972.7/20

All: 145.165+/-0.000 χ^2/NDF: 8399991739.1

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.306+/-0.000 χ^2/NDF:20767.3/1

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.328+/-0.000 χ^2/NDF:0.0/0

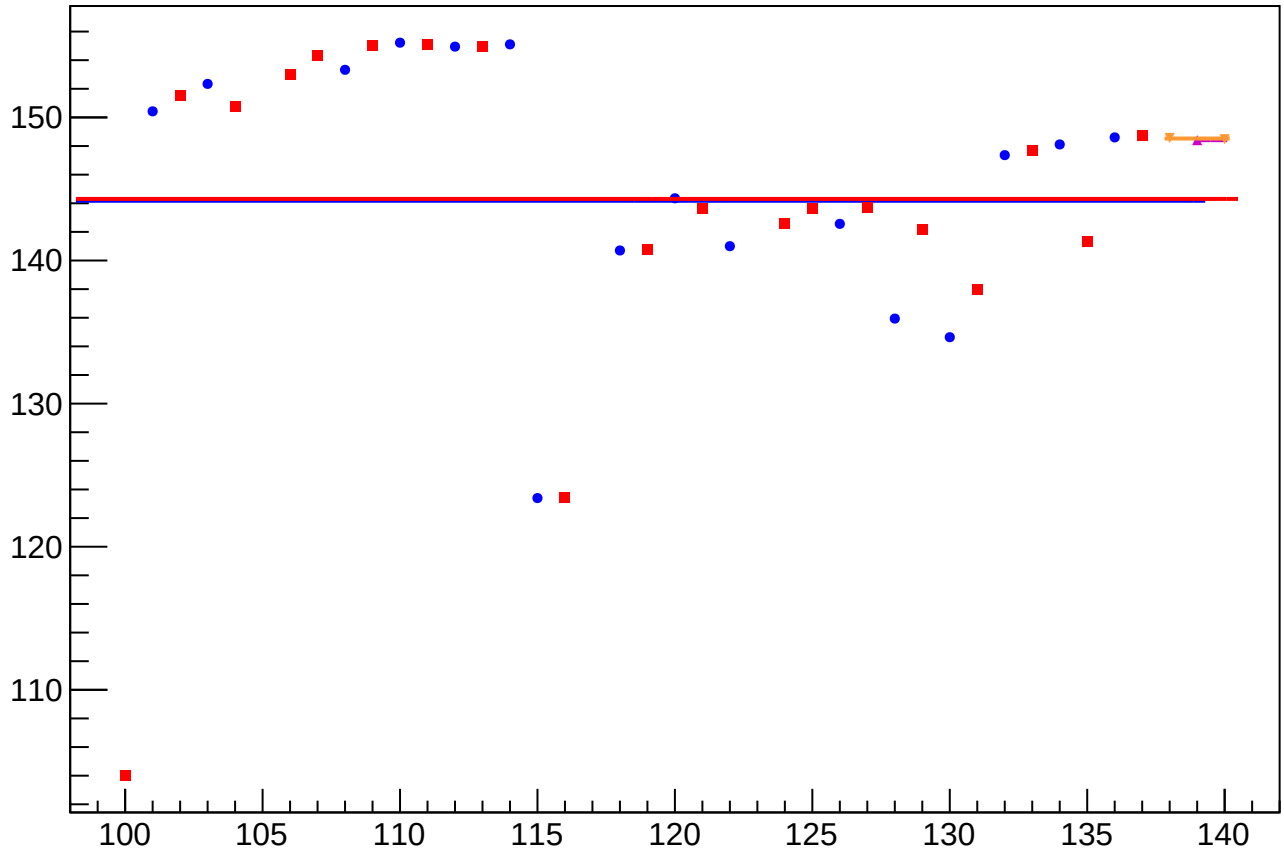
Left: 0.313+/-0.000 χ^2/NDF: 25459.7/2

Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.324+/-0.000 χ^2/NDF:1392580.6/16

Out: 0.324+/-0.000 χ^2/NDF:1336988.4/20

All: 0.324+/-0.000 χ^2/NDF: 2729584.9/37



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.525+/-0.000 χ^2/NDF:32294.6/1

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.412+/-0.000 χ^2/NDF:0.0/0

Left: 148.490+/-0.000 χ^2/NDF: 99288.8/2

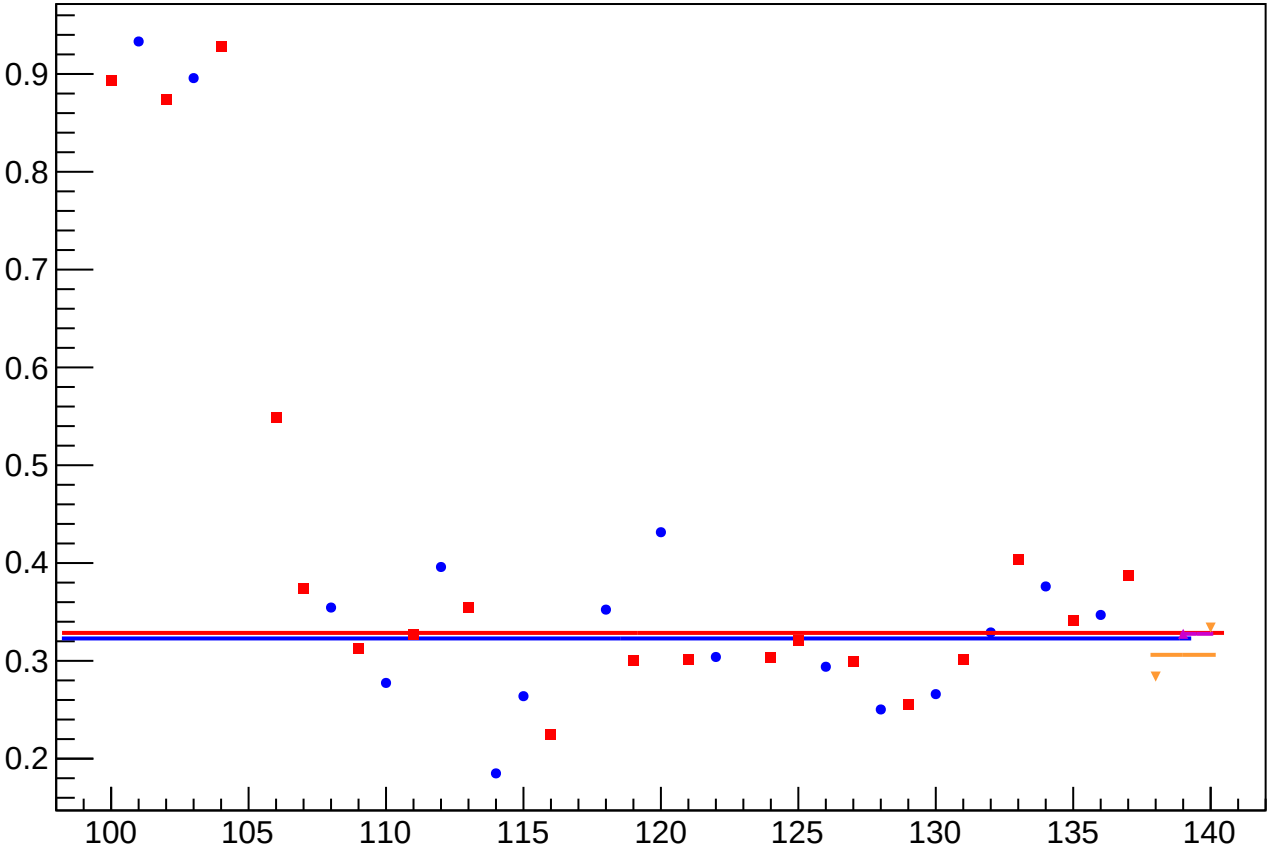
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 144.670+/-0.000 χ^2/NDF:3844024323.0/16

Out: 145.268+/-0.000 χ^2/NDF:4494158581.3/20

All: 144.987+/-0.000 χ^2/NDF: 8350465398.1

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.306+/-0.000 χ^2/NDF:20687.9/1

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.328+/-0.000 χ^2/NDF:0.0/0

Left: 0.313+/-0.000 χ^2/NDF: 25487.0/2

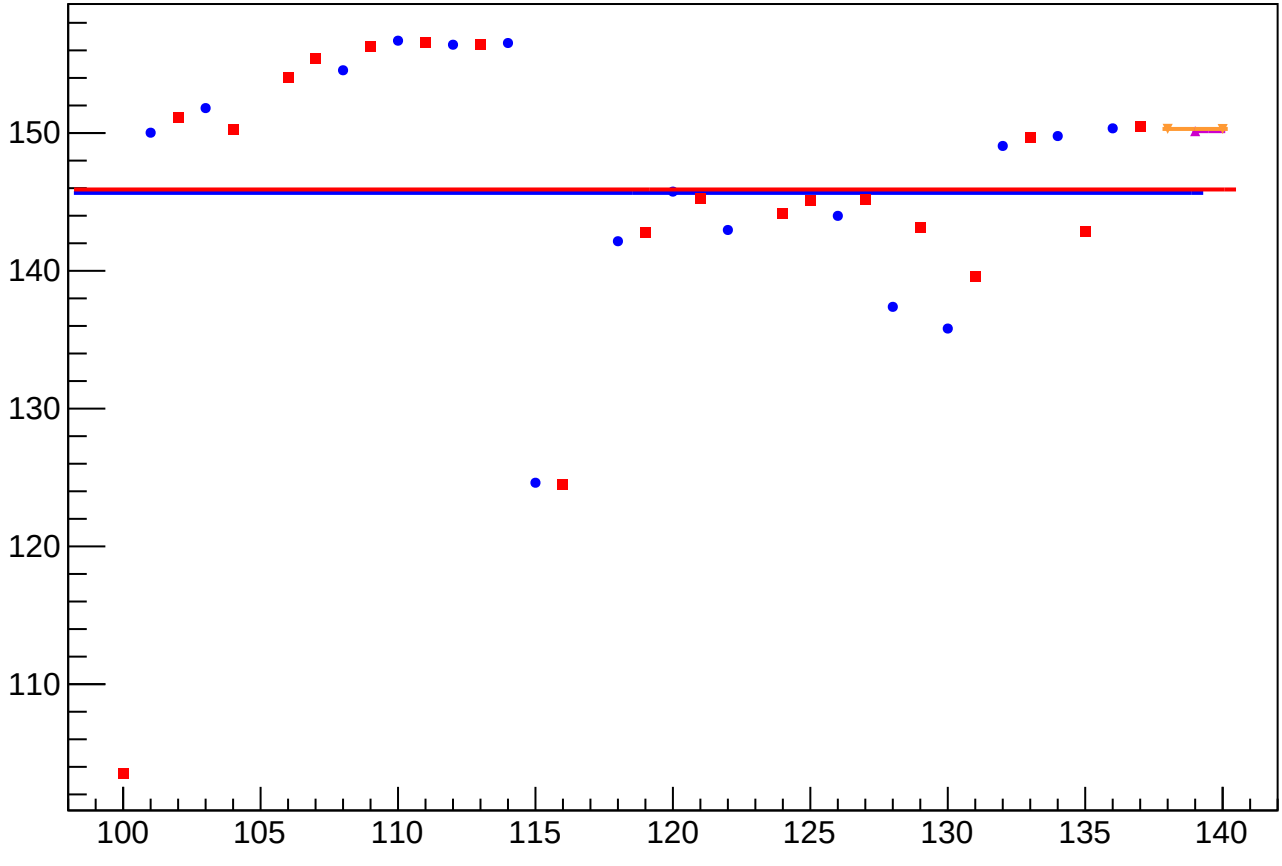
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.323+/-0.000 χ^2/NDF:1396326.4/16

Out: 0.323+/-0.000 χ^2/NDF:1337790.6/20

All: 0.323+/-0.000 χ^2/NDF: 2734117.0/37

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 150.298+/-0.000 χ^2/NDF:444.6/1

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 150.138+/-0.000 χ^2/NDF:0.0/0

Left: 150.249+/-0.000 χ^2/NDF: 112229.4/2

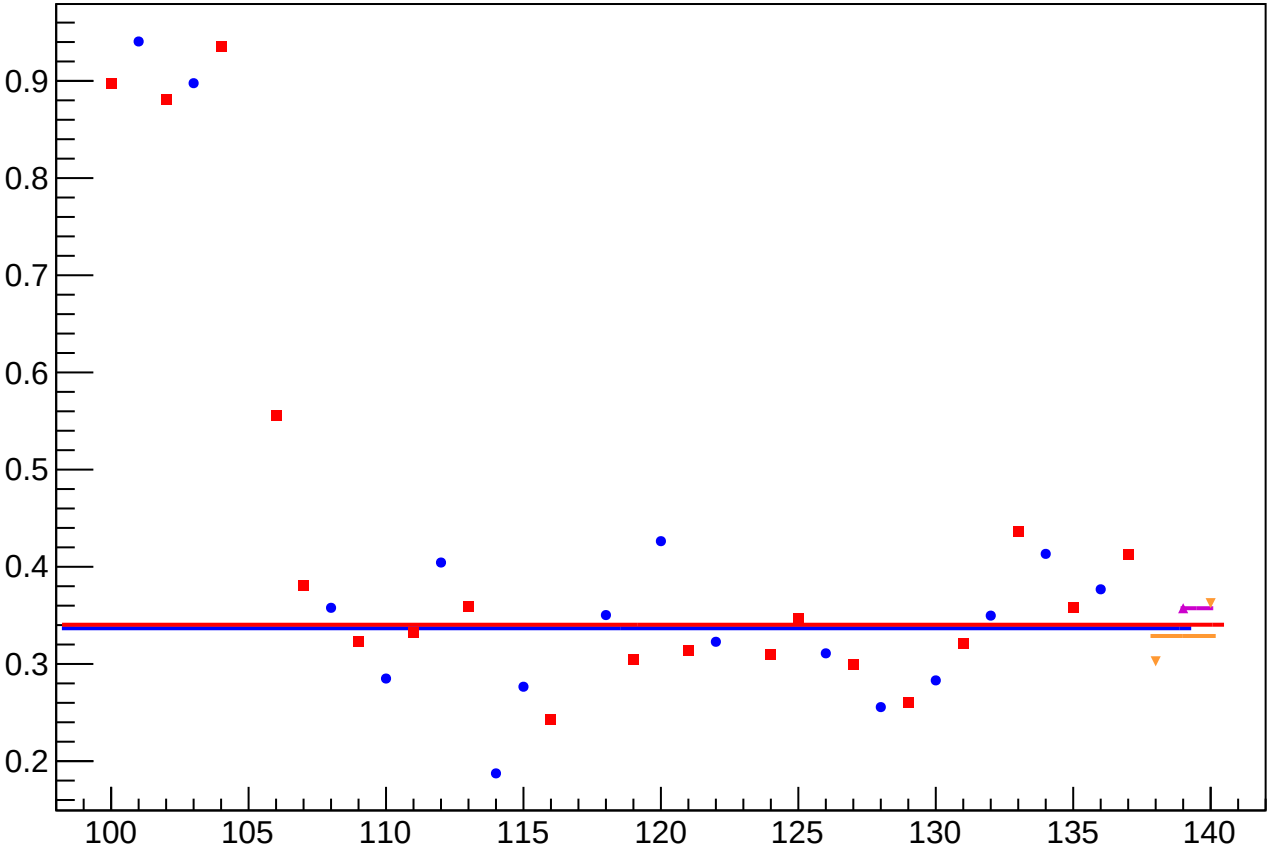
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.134+/-0.000 χ^2/NDF:3593692746.5/16

Out: 146.841+/-0.000 χ^2/NDF:4079302869.7/20

All: 146.510+/-0.000 χ^2/NDF: 7688593574.7

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.329+/-0.000 χ^2/NDF:25071.4/1

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.357+/-0.000 χ^2/NDF:0.0/0

Left: 0.338+/-0.000 χ^2/NDF: 32167.2/2

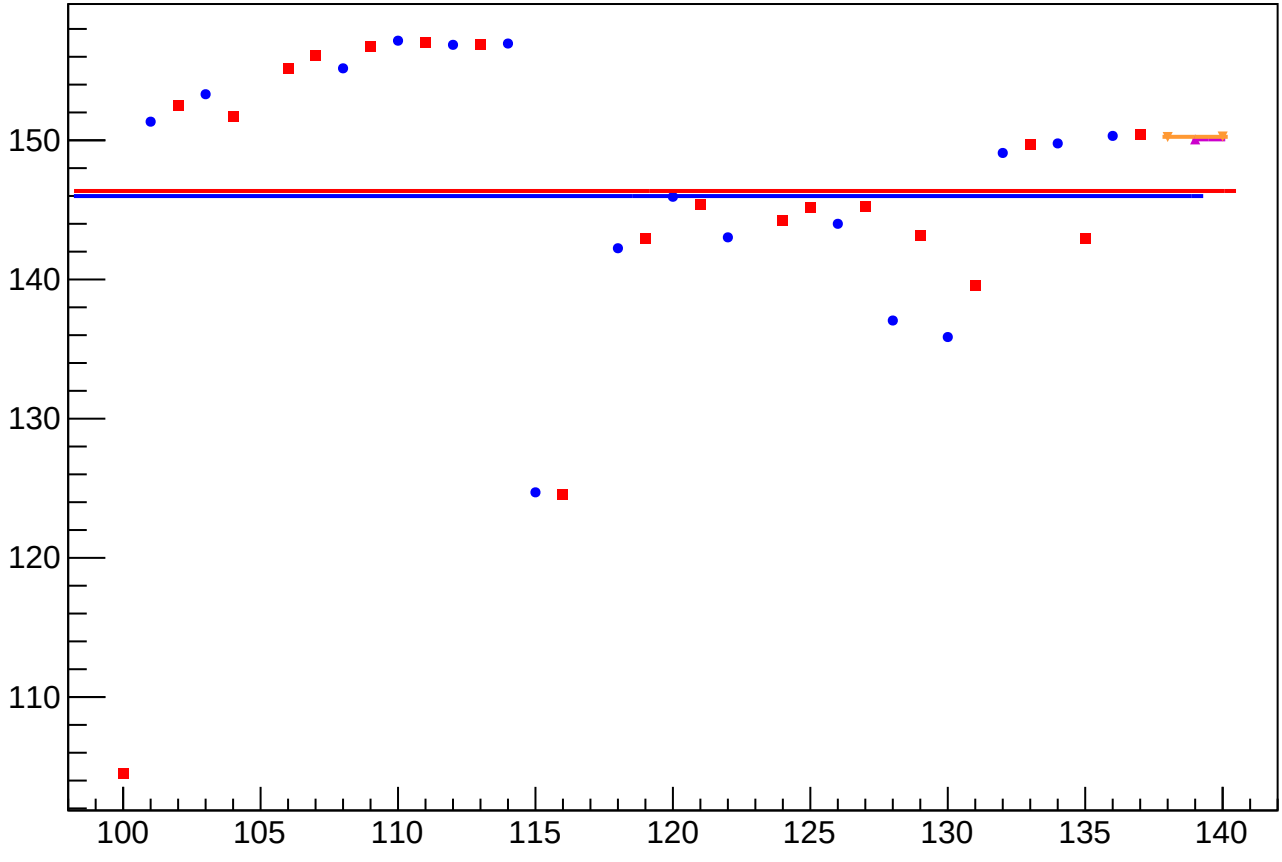
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.339+/-0.000 χ^2/NDF:1375262.1/16

Out: 0.338+/-0.000 χ^2/NDF:1302802.0/20

All: 0.338+/-0.000 χ^2/NDF: 2678130.3/37

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 150.249+/-0.000 χ^2/NDF:4353.1/1

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 150.067+/-0.000 χ^2/NDF:0.0/0

Left: 150.195+/-0.000 χ^2/NDF: 147680.7/2

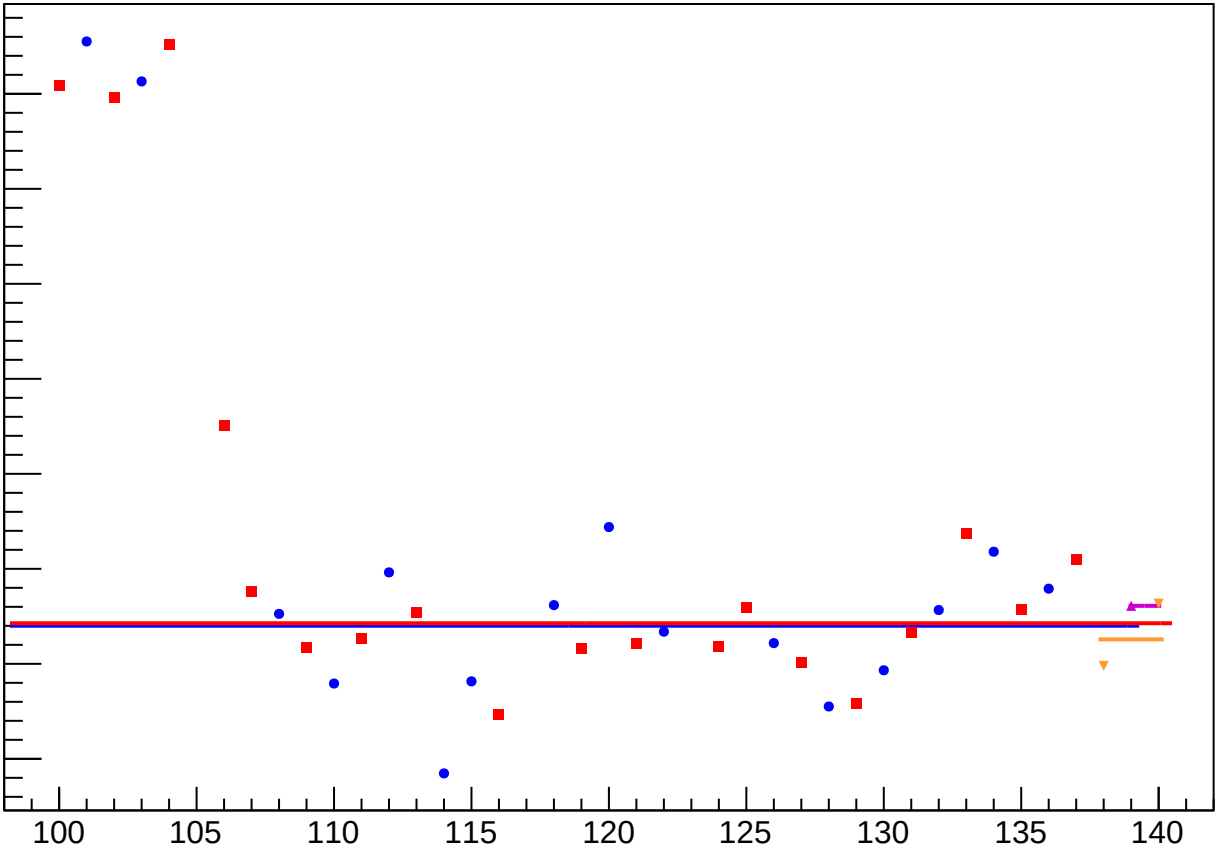
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.426+/-0.000 χ^2/NDF:3712035441.0/16

Out: 147.205+/-0.000 χ^2/NDF:4133545456.4/20

All: 146.843+/-0.000 χ^2/NDF: 7864218658.5

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.326+/-0.000 χ^2/NDF:30196.5/1

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.361+/-0.000 χ^2/NDF:0.0/0

Left: 0.336+/-0.000 χ^2/NDF: 40877.7/2

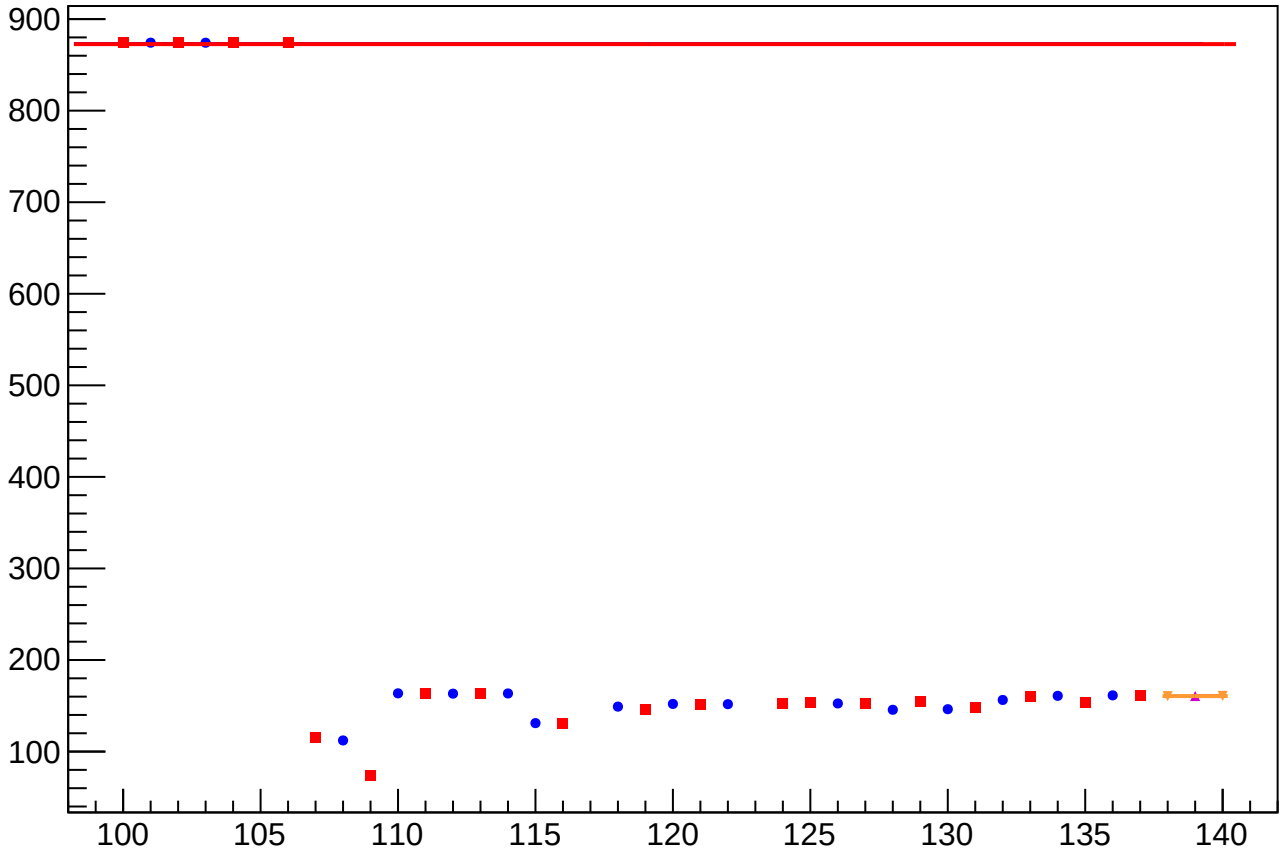
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.342+/-0.000 χ^2/NDF:1397981.9/16

Out: 0.339+/-0.000 χ^2/NDF:1307414.1/20

All: 0.341+/-0.000 χ^2/NDF: 2706088.5/37

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 160.611+/-0.001 χ^2/NDF:75530.3/1

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 160.671+/-0.001 χ^2/NDF:0.0/0

Left: 160.630+/-0.000 χ^2/NDF: 79461.6/2

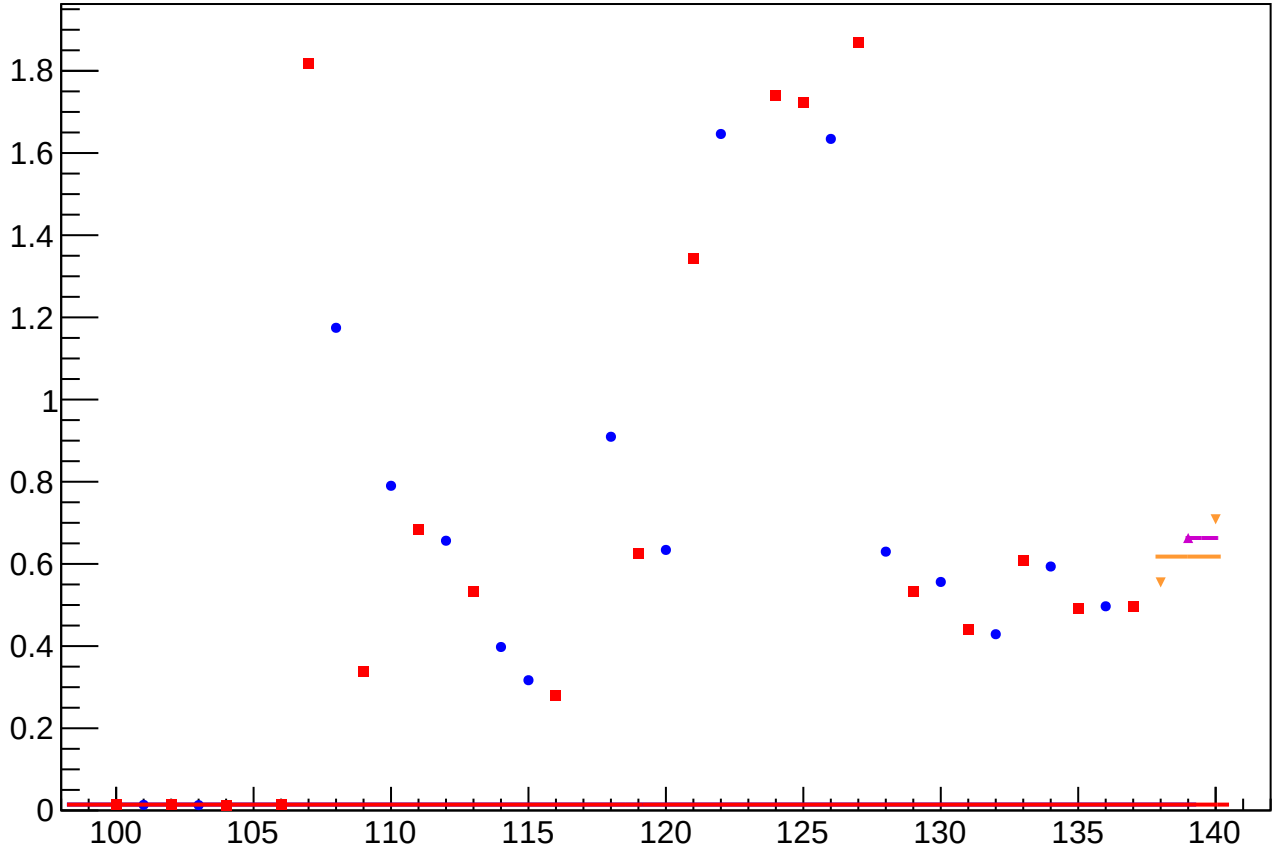
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 872.661+/-0.000 χ^2/NDF:8009439380839.0/16

Out: 872.382+/-0.000 χ^2/NDF:10886547406512.3

All: 872.511+/-0.000 χ^2/NDF: 18896283877

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.618+/-0.000 χ^2/NDF:38689.0/1

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.663+/-0.001 χ^2/NDF:0.0/0

Left: 0.632+/-0.000 χ^2/NDF: 43165.8/2

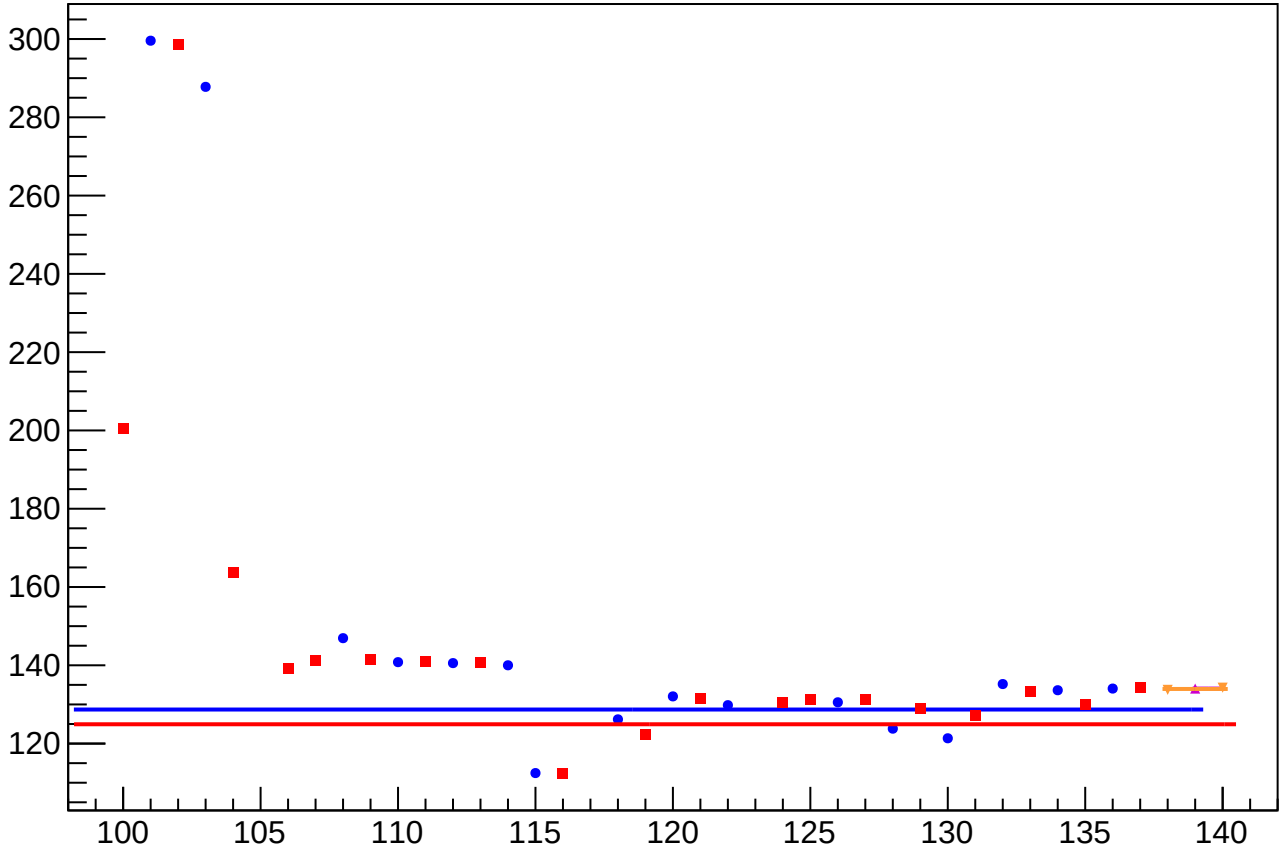
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.015+/-0.000 χ^2/NDF:10979529.6/16

Out: 0.014+/-0.000 χ^2/NDF:11919376.9/20

All: 0.015+/-0.000 χ^2/NDF: 22898917.8/37

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.954+/-0.000 χ^2/NDF:327106.7/1

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 134.053+/-0.001 χ^2/NDF:0.0/0

Left: 133.985+/-0.000 χ^2/NDF: 340276.2/2

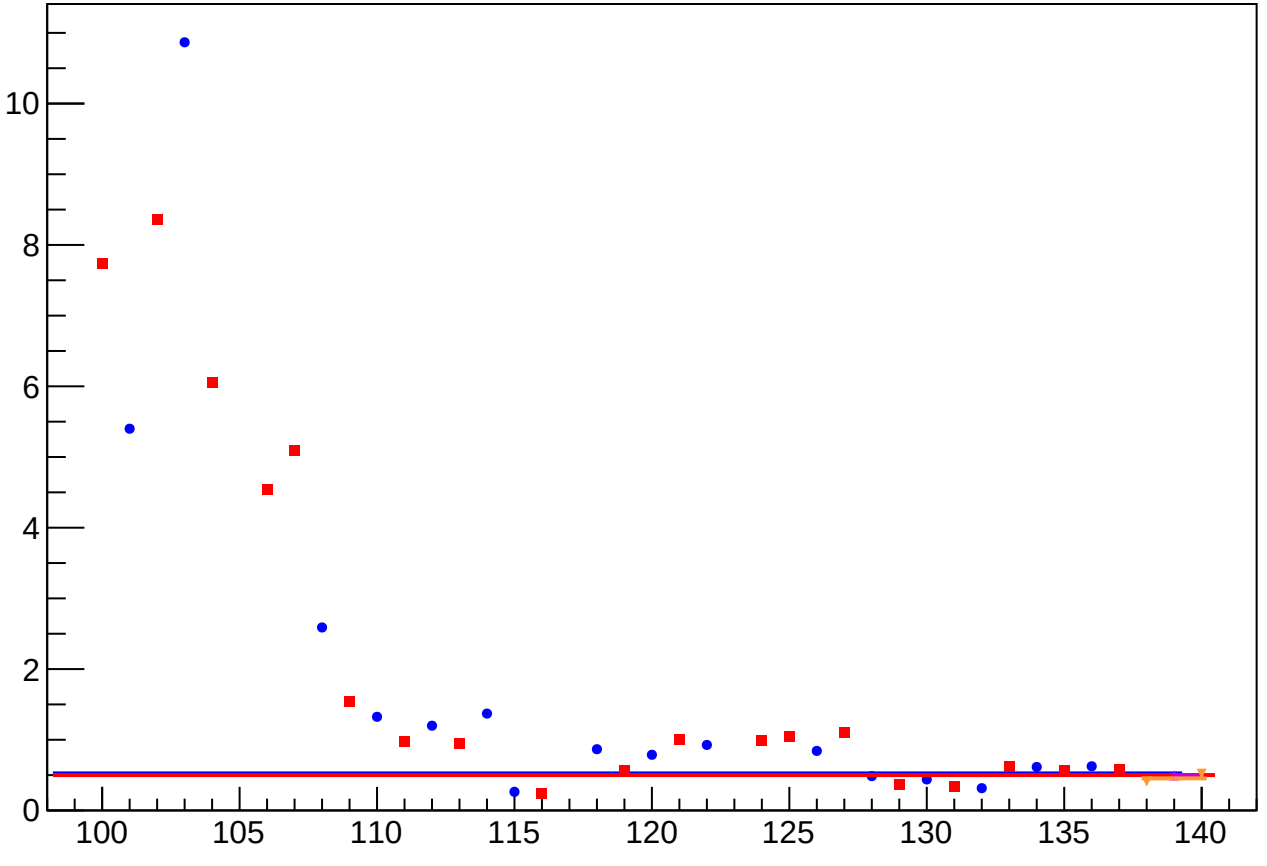
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 129.392+/-0.000 χ^2/NDF:1705652866.3/16

Out: 127.063+/-0.000 χ^2/NDF:1667490534.7/20

All: 128.124+/-0.000 χ^2/NDF: 3418510467.5

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.454+/-0.000 χ^2/NDF:25768.7/1

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.495+/-0.001 χ^2/NDF:0.0/0

Left: 0.467+/-0.000 χ^2/NDF: 30425.0/2

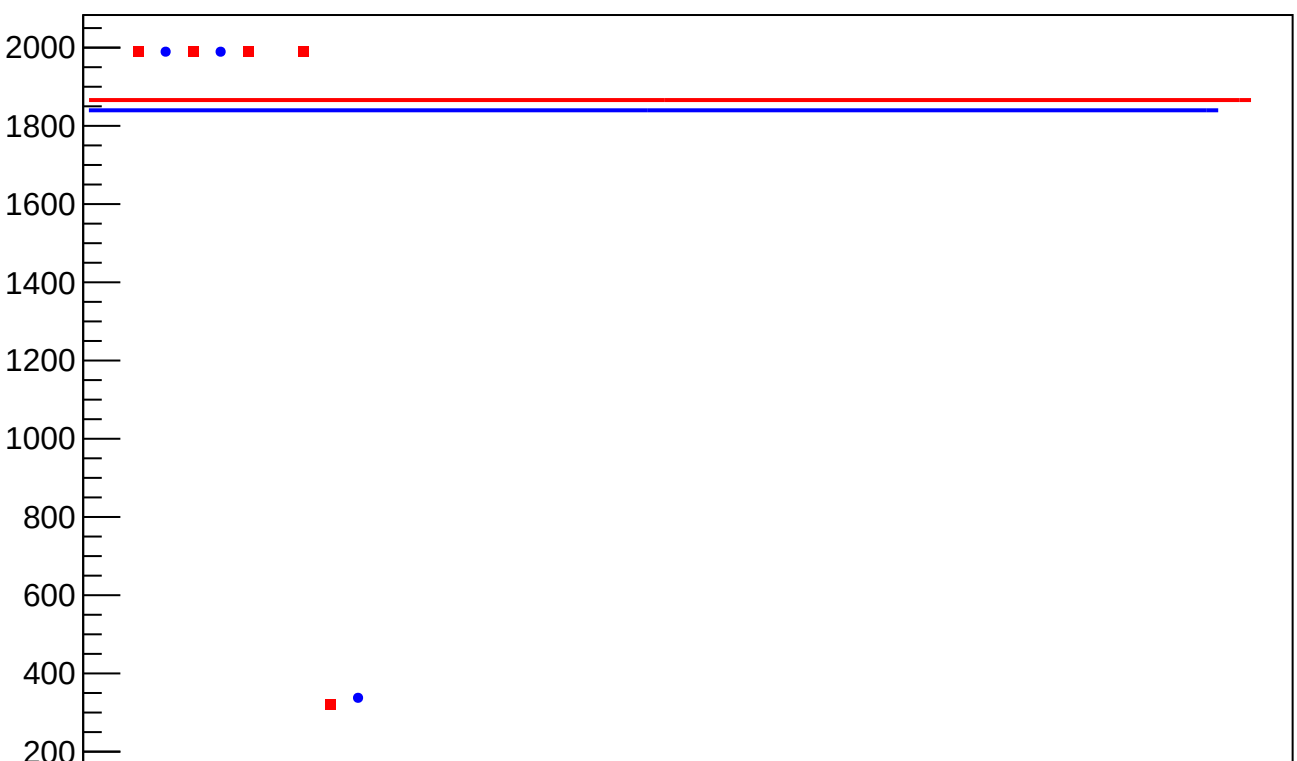
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.520+/-0.000 χ^2/NDF:4141277.5/16

Out: 0.490+/-0.000 χ^2/NDF:4924314.6/20

All: 0.504+/-0.000 χ^2/NDF: 9081455.0/37

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.572+/-0.000 χ^2/NDF:778130.9/1

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.573+/-0.000 χ^2/NDF:0.0/0

Left: 137.573+/-0.000 χ^2/NDF: 778132.4/2

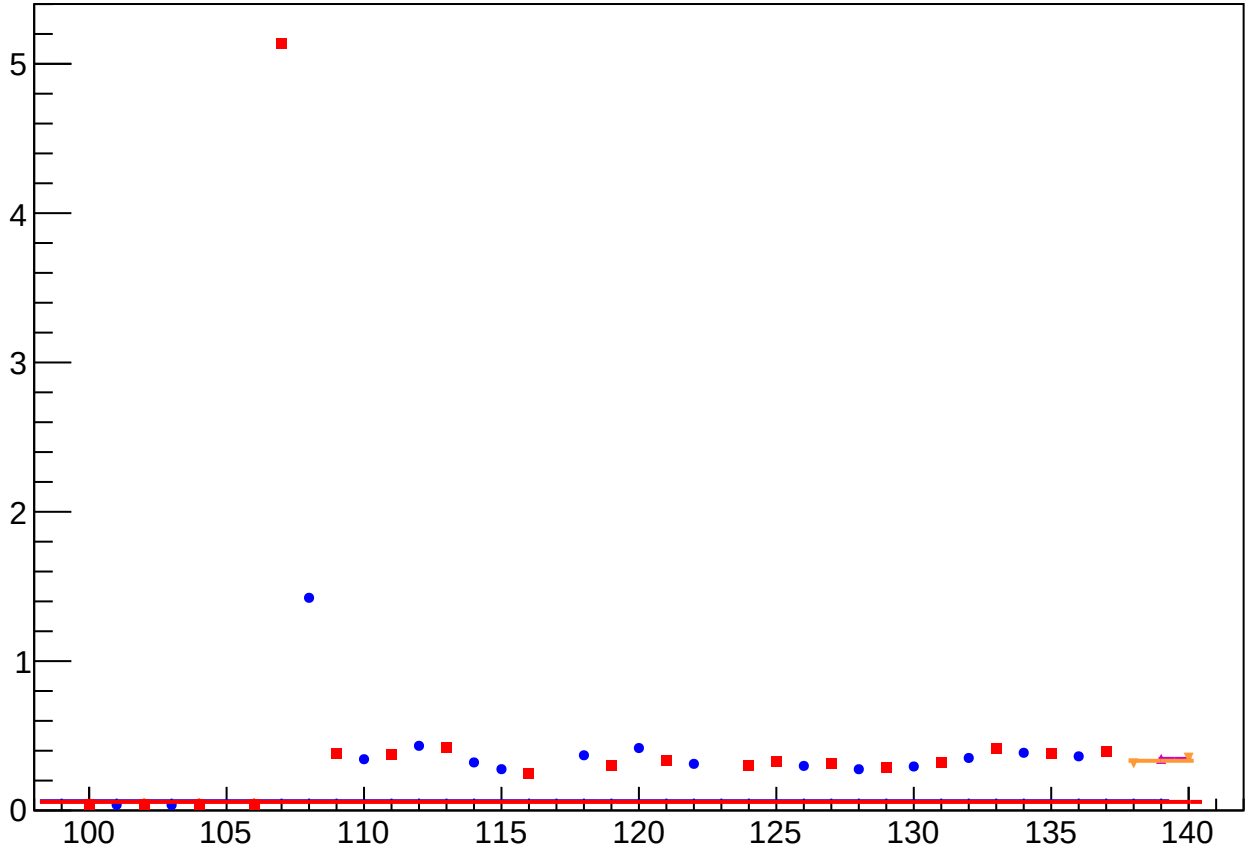
Right: 1853.888+/-0.000 χ^2/NDF: 2888579860593

In: 1819.802+/-0.000 χ^2/NDF:165313341363502.

Out: 1829.652+/-0.000 χ^2/NDF:184568887787985

All: 1825.131+/-0.000 χ^2/NDF: 3499125220

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.333+/-0.000 χ^2/NDF:10446.2/1

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.346+/-0.000 χ^2/NDF:0.0/0

Left: 0.337+/-0.000 χ^2/NDF: 11963.3/2

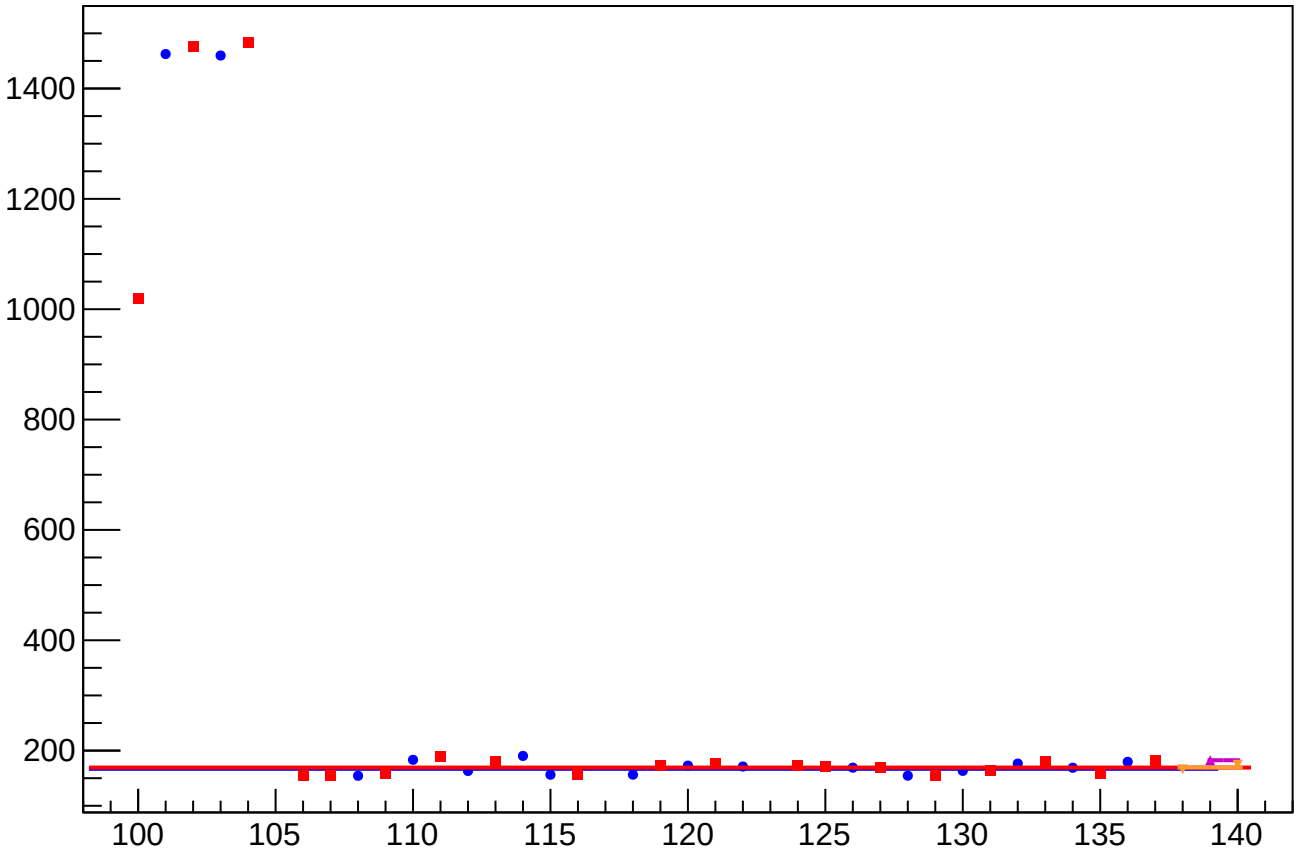
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.065+/-0.000 χ^2/NDF:9251461.5/16

Out: 0.063+/-0.000 χ^2/NDF:9874444.3/20

All: 0.064+/-0.000 χ^2/NDF: 19128477.9/37

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 169.346+/-0.001 χ^2/NDF:23833717.1/1

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 182.551+/-0.001 χ^2/NDF:0.0/0

Left: 172.991+/-0.001 χ^2/NDF: 94796221.3/2

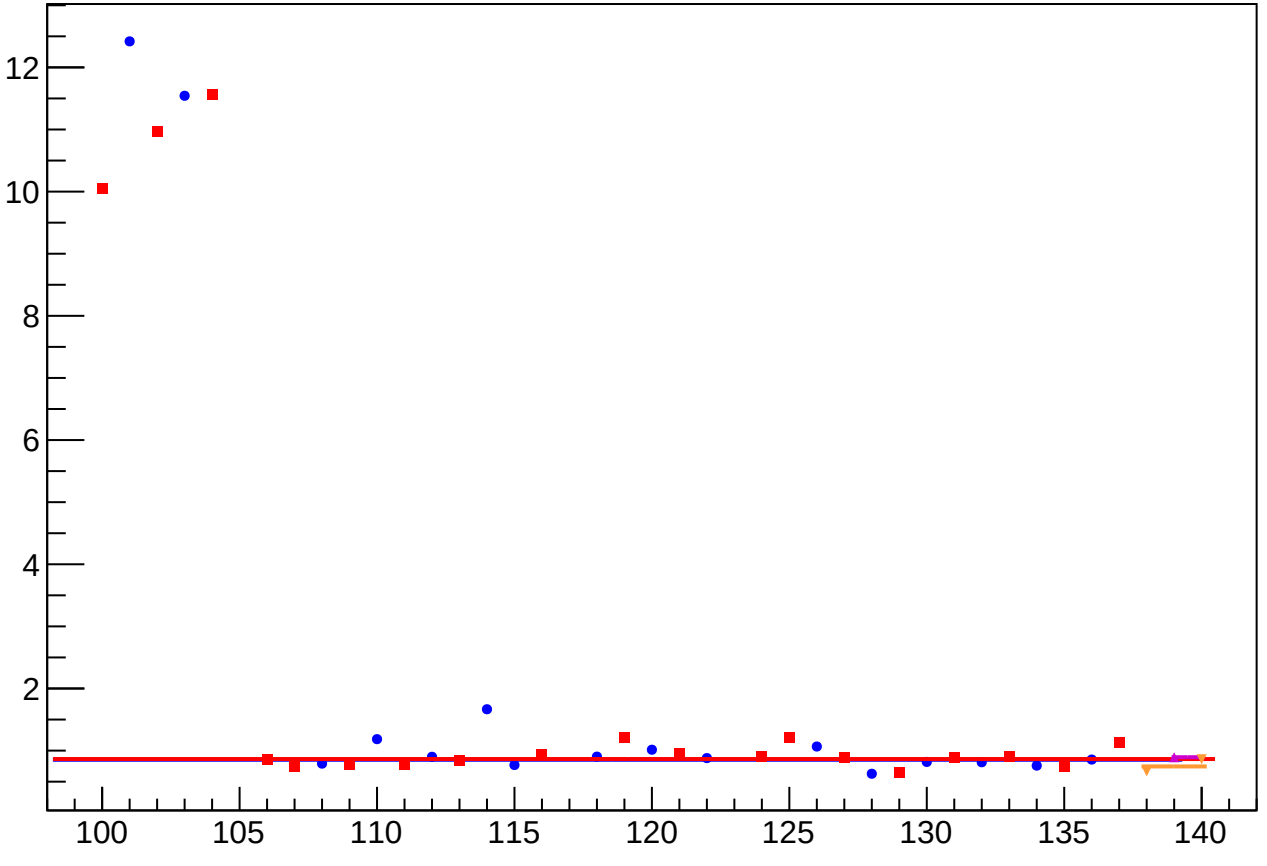
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 168.507+/-0.000 χ^2/NDF:14737605537.6/16

Out: 169.276+/-0.000 χ^2/NDF:16341385892.3/20

All: 168.924+/-0.000 χ^2/NDF: 31080866576.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.745+/-0.001 χ^2/NDF:27083.8/1

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.893+/-0.001 χ^2/NDF:0.0/0

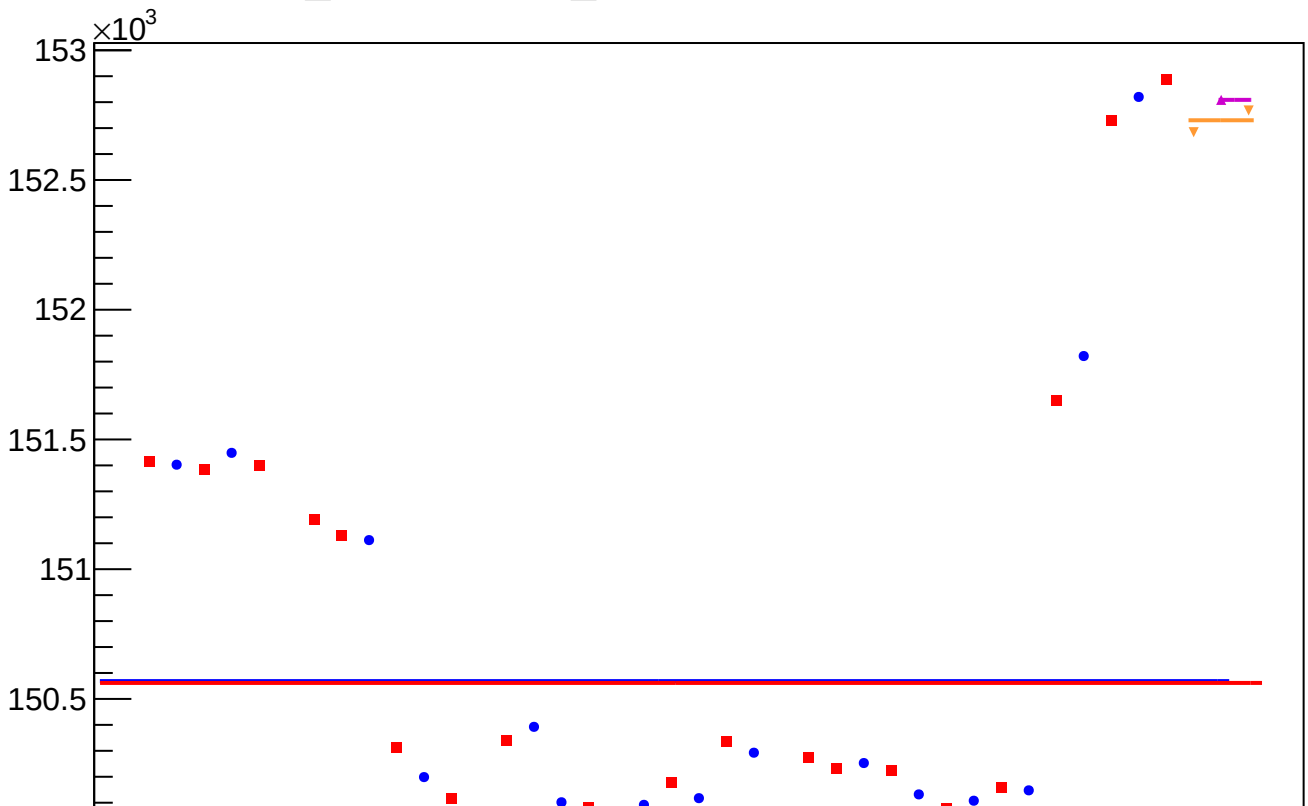
Left: 0.786+/-0.000 χ^2/NDF: 44958.9/2

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.857+/-0.000 χ^2/NDF:2303949.3/16

Out: 0.839+/-0.000 χ^2/NDF:2269297.7/20

All: 0.847+/-0.000 χ^2/NDF: 4575286.9/37



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152730.173+/-0.138 χ^2/NDF:91124.1/1

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 152808.830+/-0.197 χ^2/NDF:0.0/0

Left: 152756.130+/-0.113 χ^2/NDF: 197941.6/2

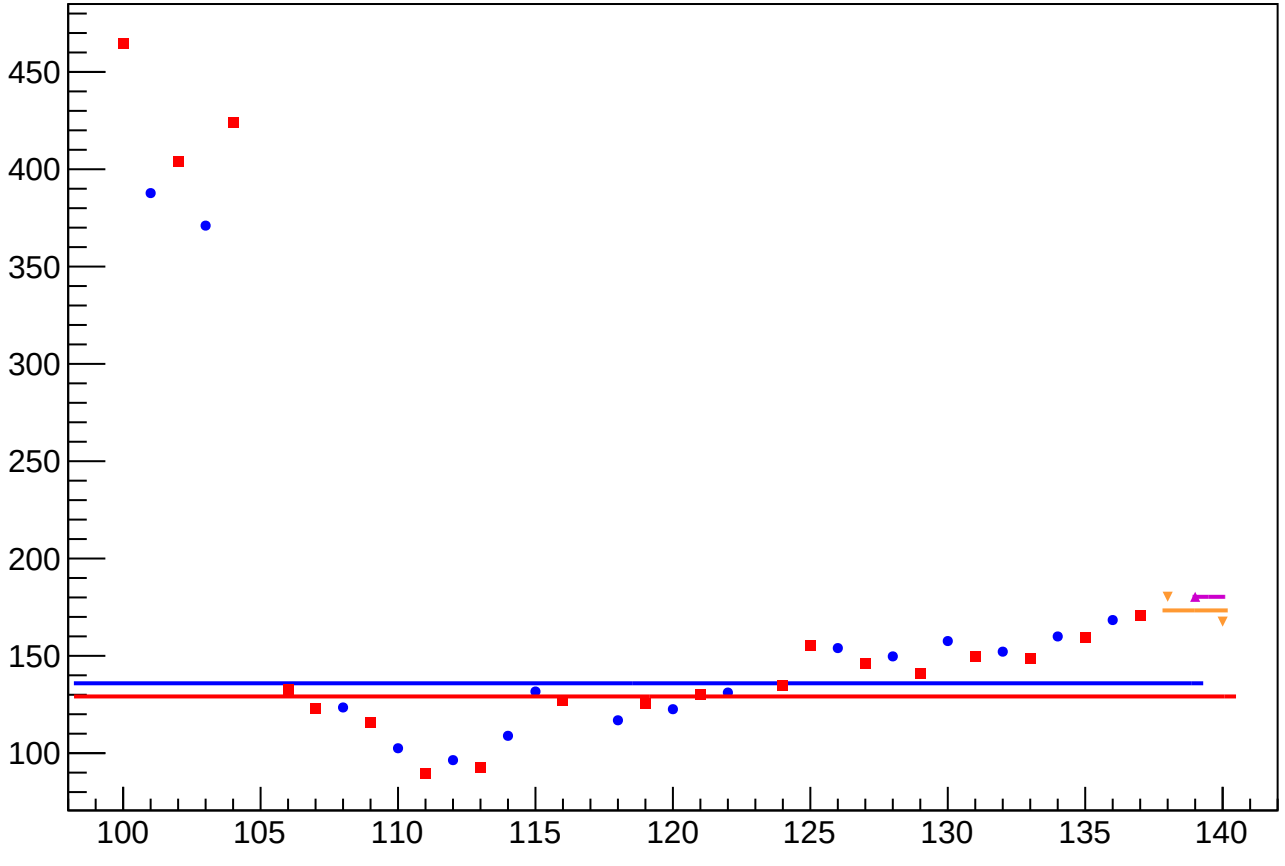
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 150728.511+/-0.053 χ^2/NDF:357244933.9/16

Out: 150821.225+/-0.048 χ^2/NDF:414163118.5/20

All: 150779.281+/-0.035 χ^2/NDF: 773107692

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 173.338+/-0.098 χ^2/NDF:4237.2/1

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.329+/-0.139 χ^2/NDF:0.0/0

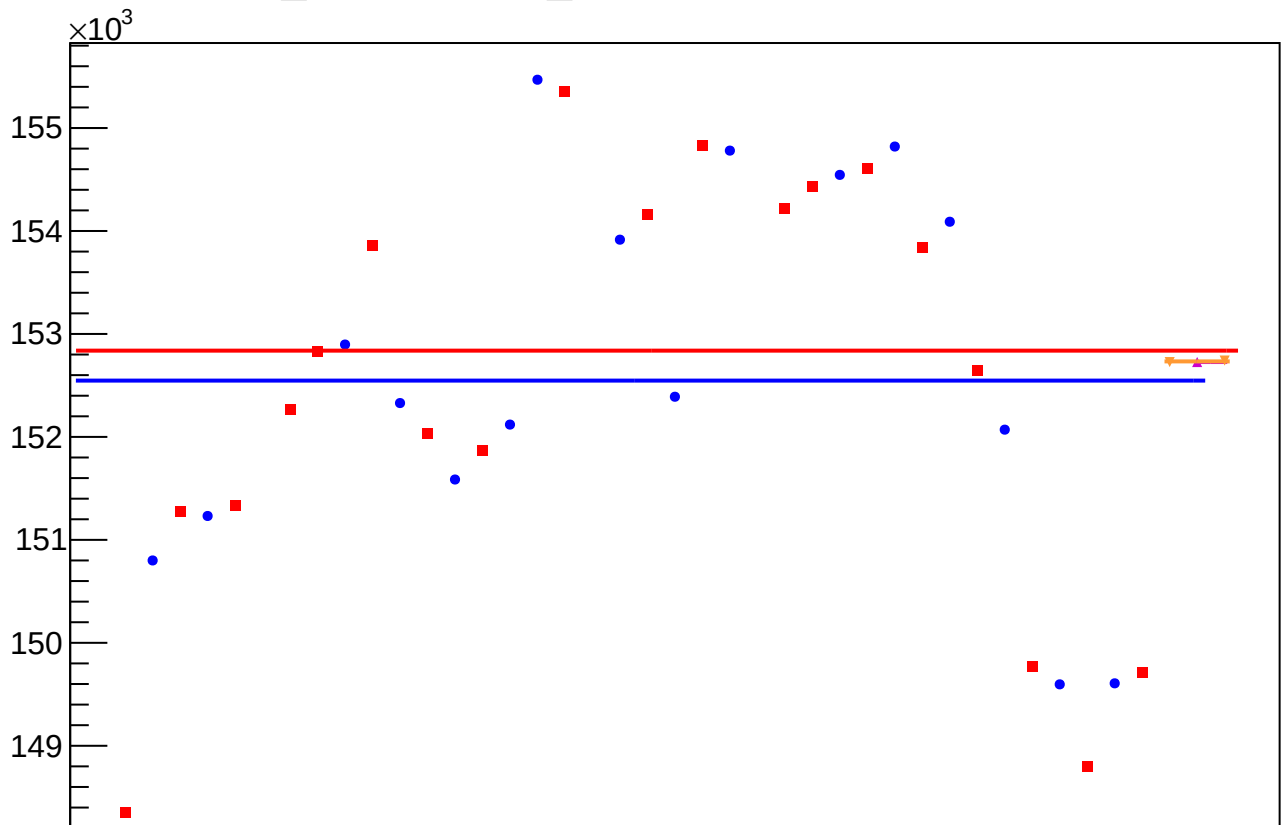
Left: 175.645+/-0.080 χ^2/NDF: 5924.8/2

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 139.067+/-0.037 χ^2/NDF:1510821.0/16

Out: 134.422+/-0.034 χ^2/NDF:1798559.1/20

All: 136.524+/-0.025 χ^2/NDF: 3317911.9/37



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152733.369+/-0.146 χ^2/NDF:2592.6/1

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 152727.250+/-0.208 χ^2/NDF:0.0/0

Left: 152731.345+/-0.120 χ^2/NDF: 3171.1/2

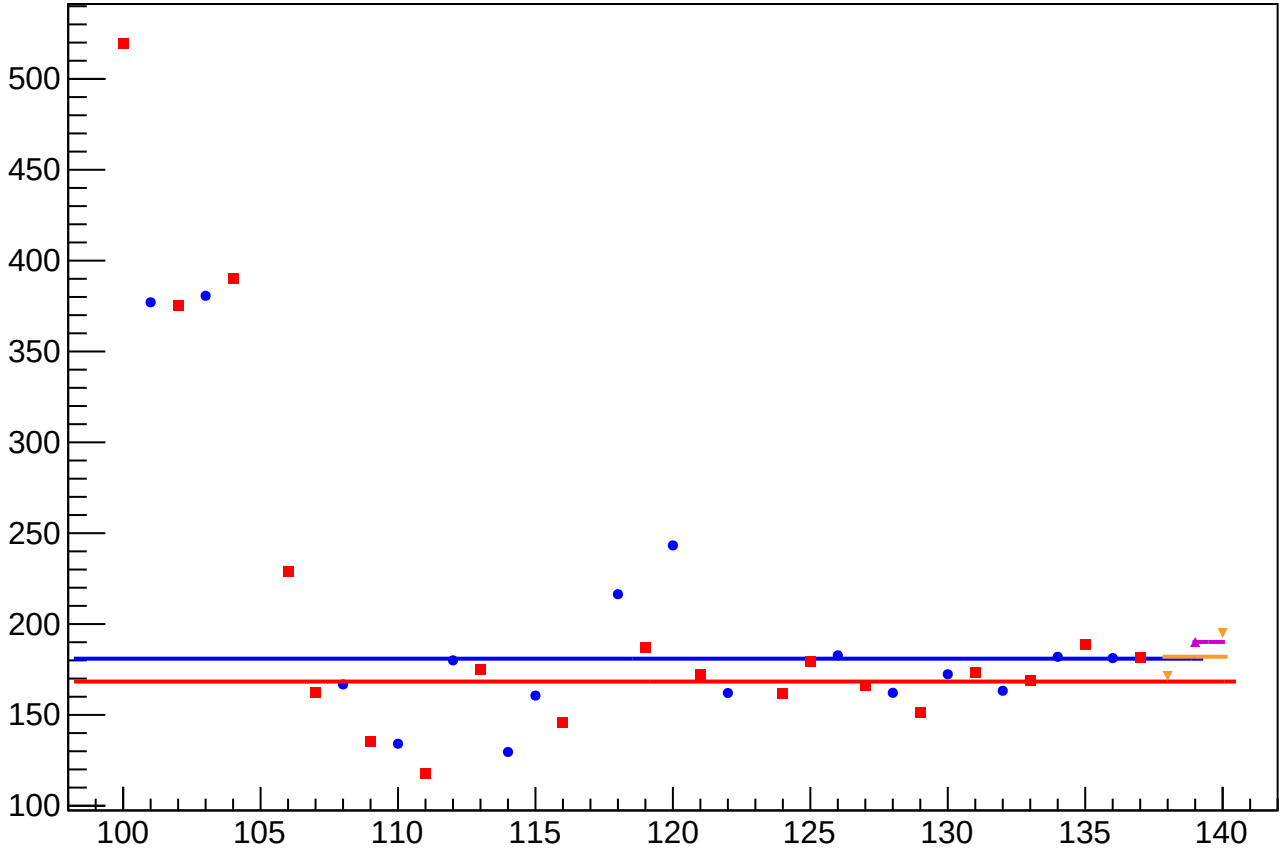
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152566.469+/-0.069 χ^2/NDF:655209907.9/16

Out: 152819.924+/-0.061 χ^2/NDF:737332205.5/20

All: 152708.636+/-0.045 χ^2/NDF: 140020732

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 182.018+/-0.103 χ^2/NDF:12872.4/1

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 190.165+/-0.147 χ^2/NDF:0.0/0

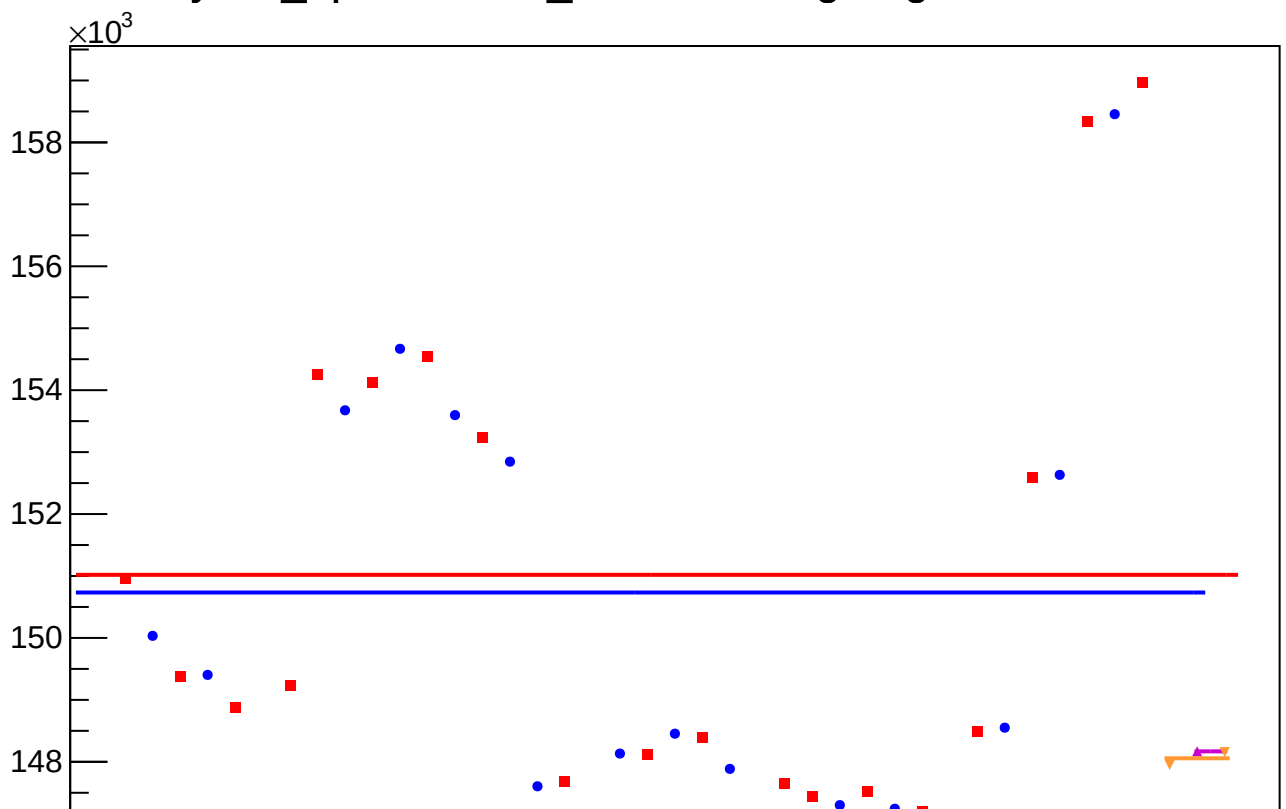
Left: 184.712+/-0.085 χ^2/NDF: 14923.3/2

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 181.940+/-0.048 χ^2/NDF:911261.7/16

Out: 170.698+/-0.043 χ^2/NDF:1116415.4/20

All: 175.634+/-0.032 χ^2/NDF: 2057833.4/37



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 148056.917+/-0.144 χ^2/NDF:512326.3/1

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 148168.684+/-0.204 χ^2/NDF:0.0/0

Left: 148094.145+/-0.118 χ^2/NDF: 712558.8/2

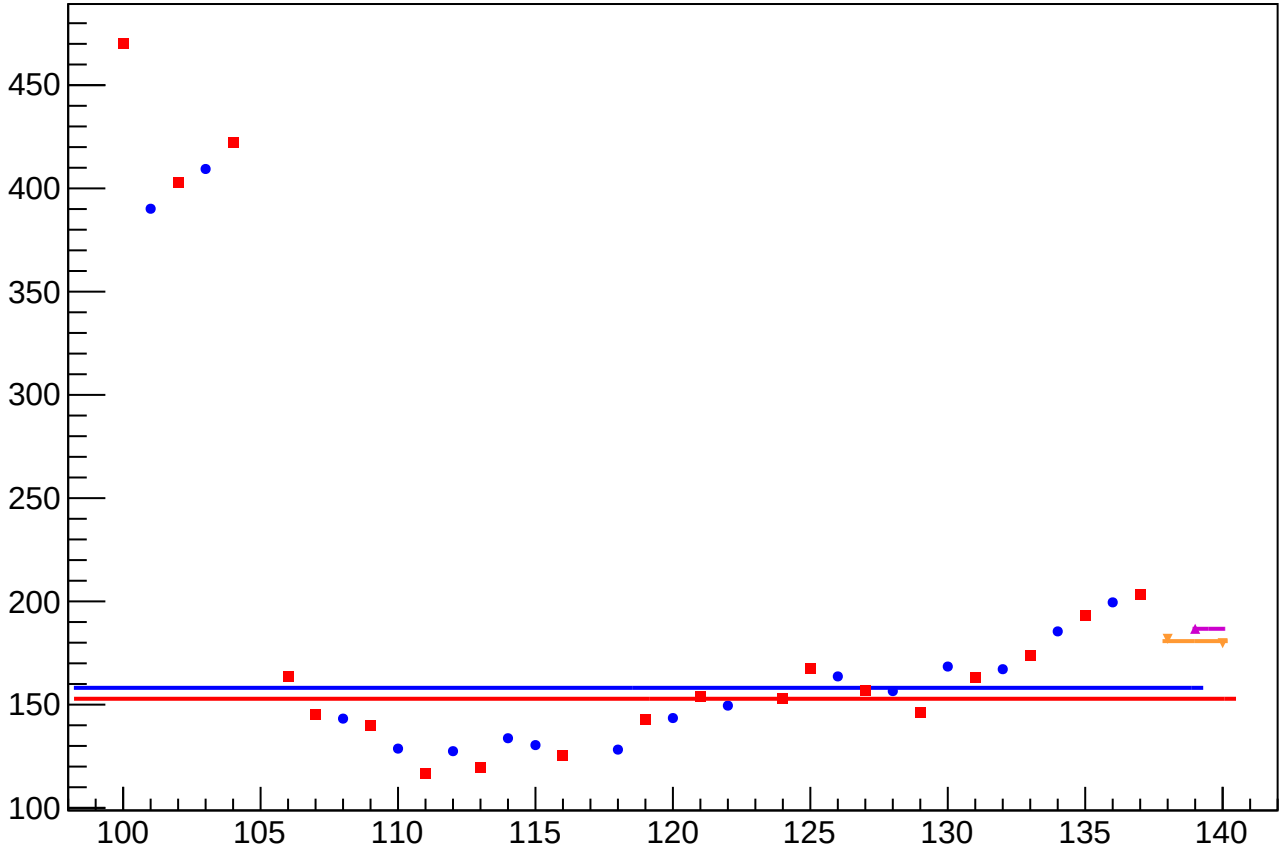
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 150510.615+/-0.060 χ^2/NDF:3428204235.5/16

Out: 150580.496+/-0.055 χ^2/NDF:3646305196.6/2

All: 150548.375+/-0.041 χ^2/NDF: 70752398

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 180.760+/-0.102 χ^2/NDF:107.7/1

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 186.733+/-0.144 χ^2/NDF:0.0/0

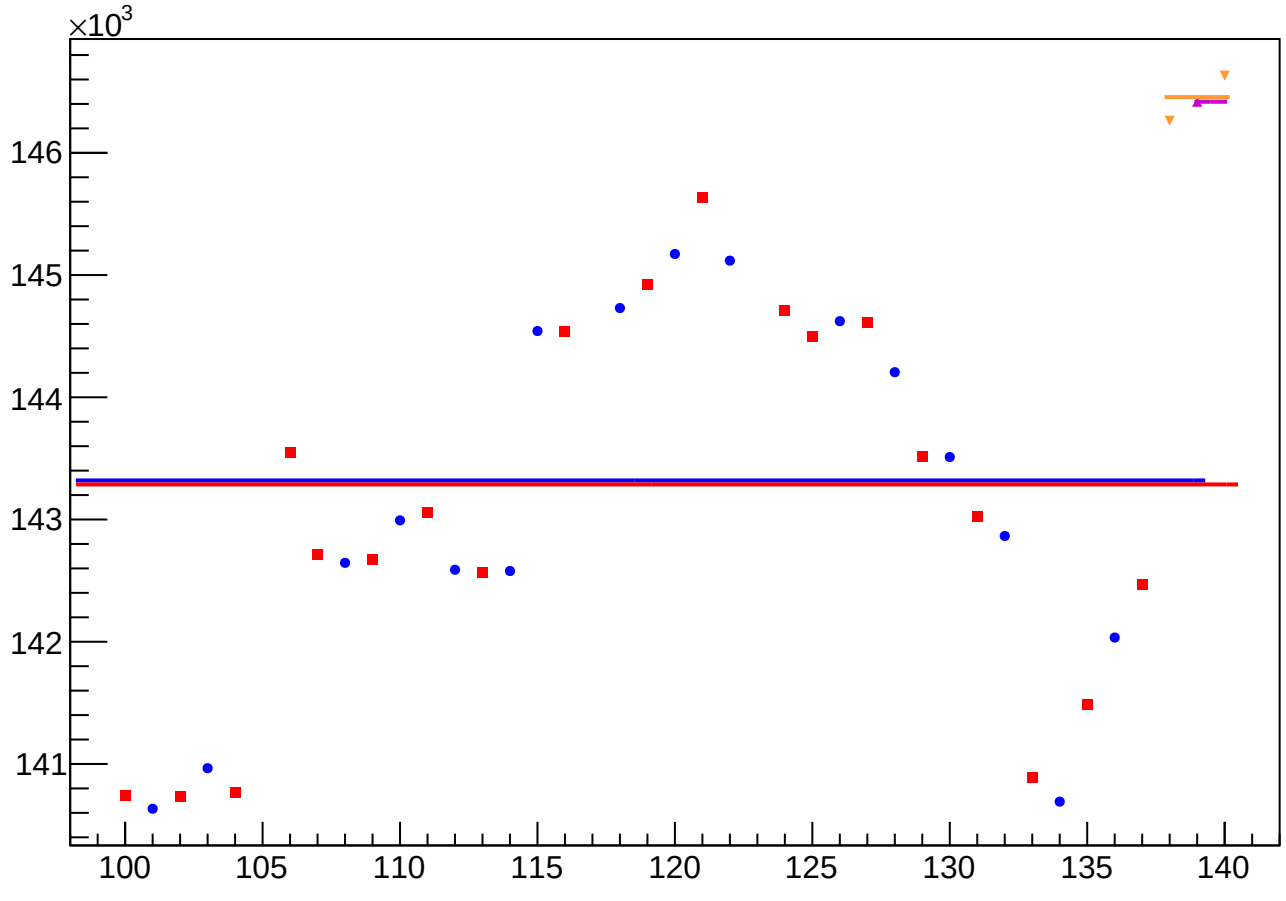
Left: 182.750+/-0.083 χ^2/NDF: 1251.7/2

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 160.621+/-0.043 χ^2/NDF:1231593.3/16

Out: 156.970+/-0.039 χ^2/NDF:1328268.7/20

All: 158.648+/-0.029 χ^2/NDF: 2563848.5/37



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 146456.095+/-0.143 χ^2/NDF:1660798.9/1

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 146417.867+/-0.202 χ^2/NDF:0.0/0

Left: 146443.336+/-0.117 χ^2/NDF: 1684706.3/2

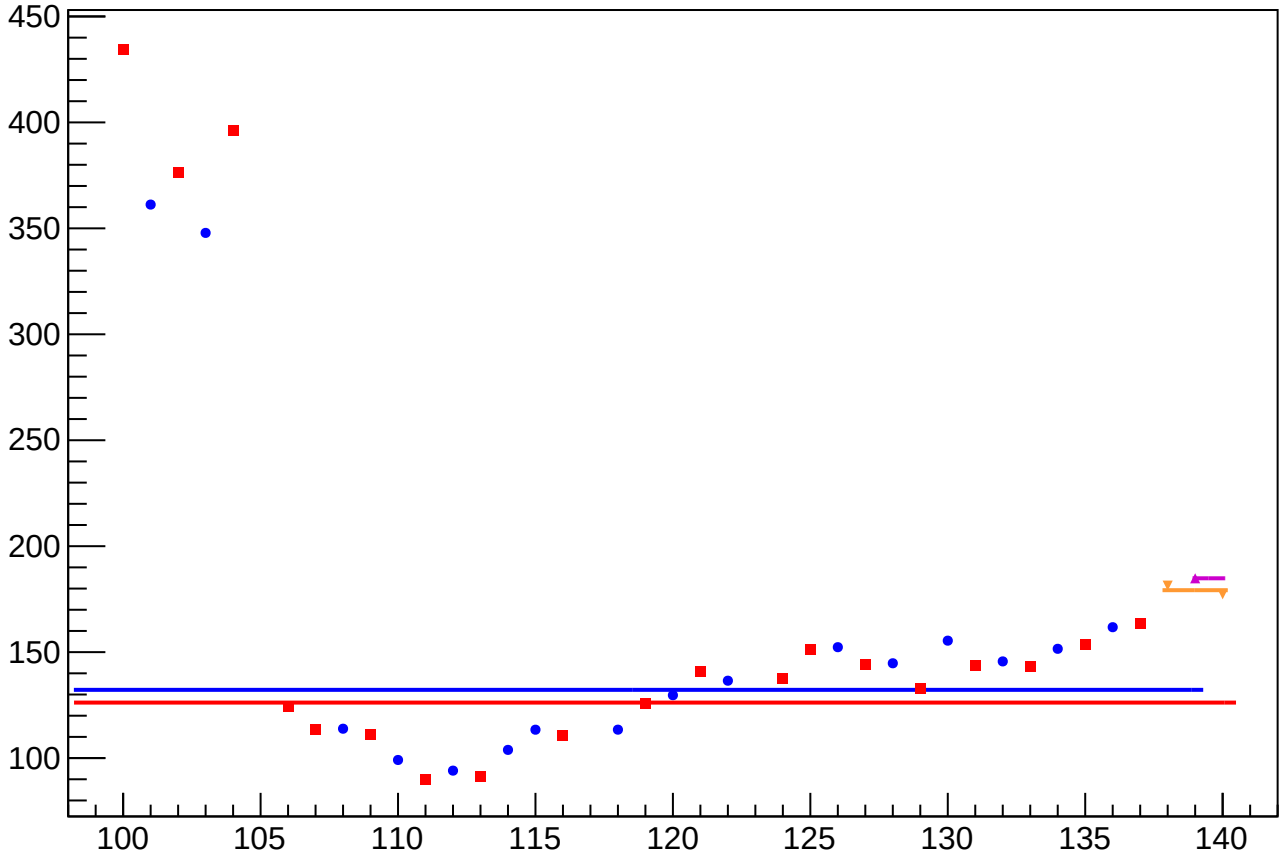
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 143520.445+/-0.051 χ^2/NDF:779733767.7/16

Out: 143629.303+/-0.047 χ^2/NDF:1061288896.4/2

All: 143579.767+/-0.035 χ^2/NDF: 18434694

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 179.235+/-0.101 χ^2/NDF:407.0/1

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 184.848+/-0.143 χ^2/NDF:0.0/0

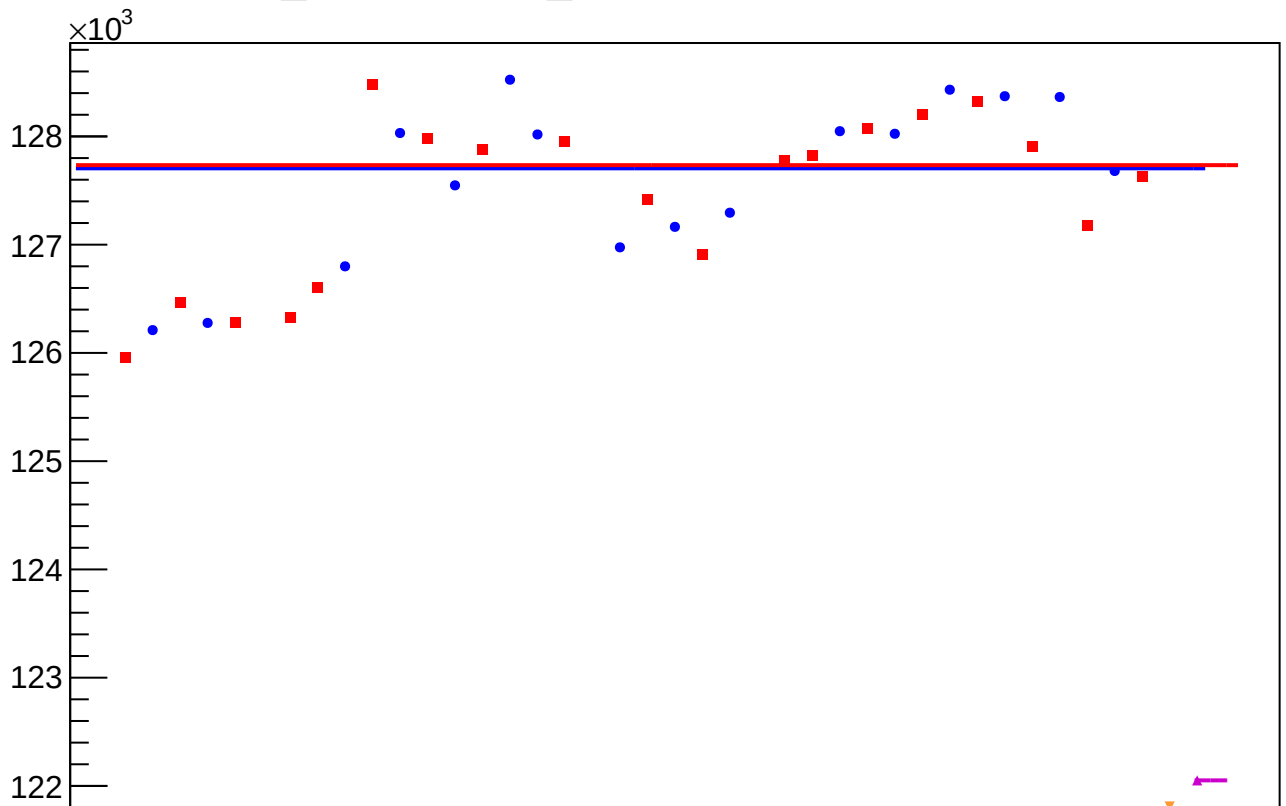
Left: 181.108+/-0.082 χ^2/NDF: 1438.1/2

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 135.616+/-0.036 χ^2/NDF:1506455.1/16

Out: 131.921+/-0.033 χ^2/NDF:1791470.1/20

All: 133.603+/-0.025 χ^2/NDF: 3303562.9/37



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 121780.451+/-0.127 χ^2/NDF:52704.9/1

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 122051.267+/-0.175 χ^2/NDF:0.0/0

Left: 121874.208+/-0.103 χ^2/NDF: 1620515.8/2

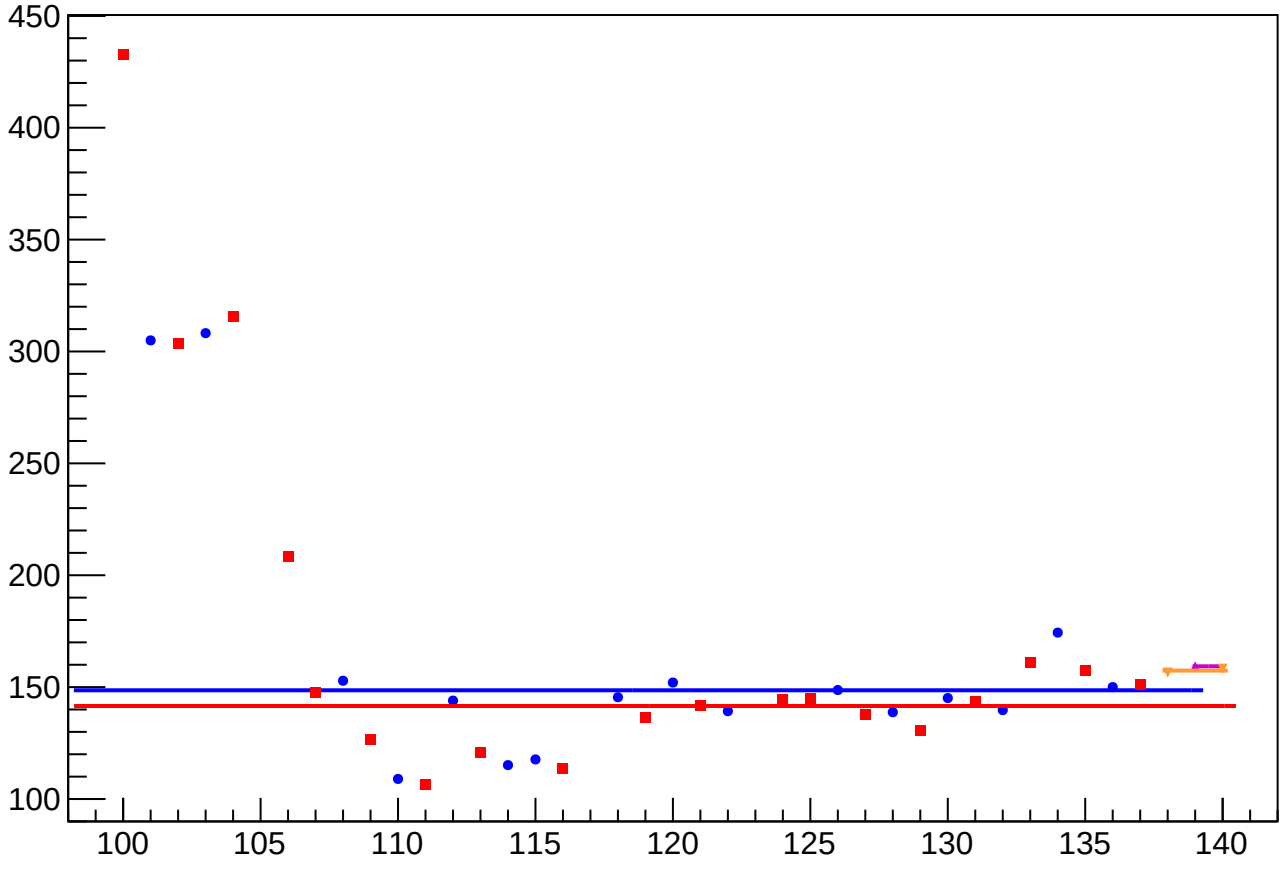
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 127137.701+/-0.055 χ^2/NDF:1044769816.6/16

Out: 126799.937+/-0.050 χ^2/NDF:1954919804.1/2

All: 126952.936+/-0.037 χ^2/NDF: 30200181

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 157.392+/-0.090 χ^2/NDF:93.1/1

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 159.307+/-0.124 χ^2/NDF:0.0/0

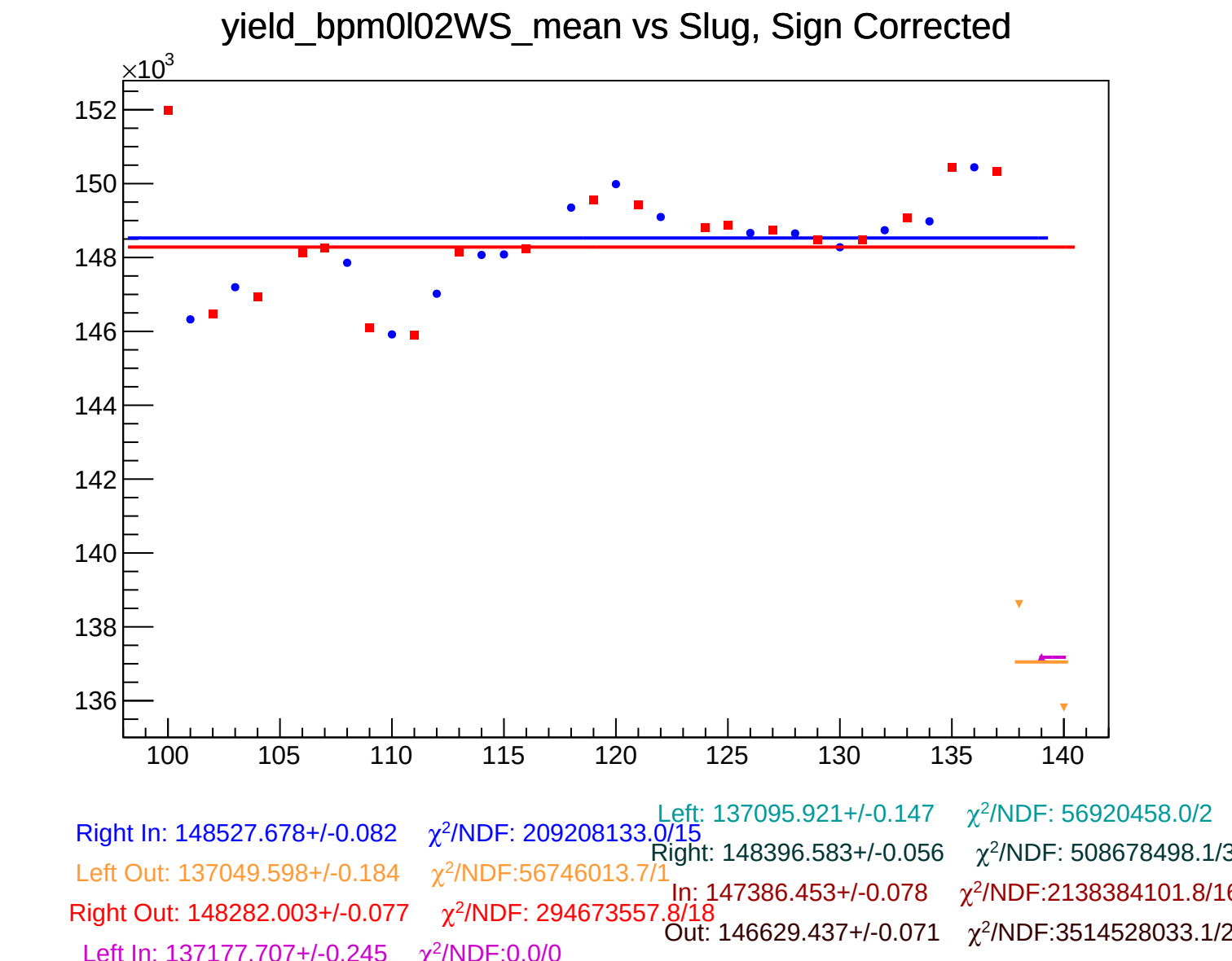
Left: 158.055+/-0.073 χ^2/NDF: 249.9/2

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

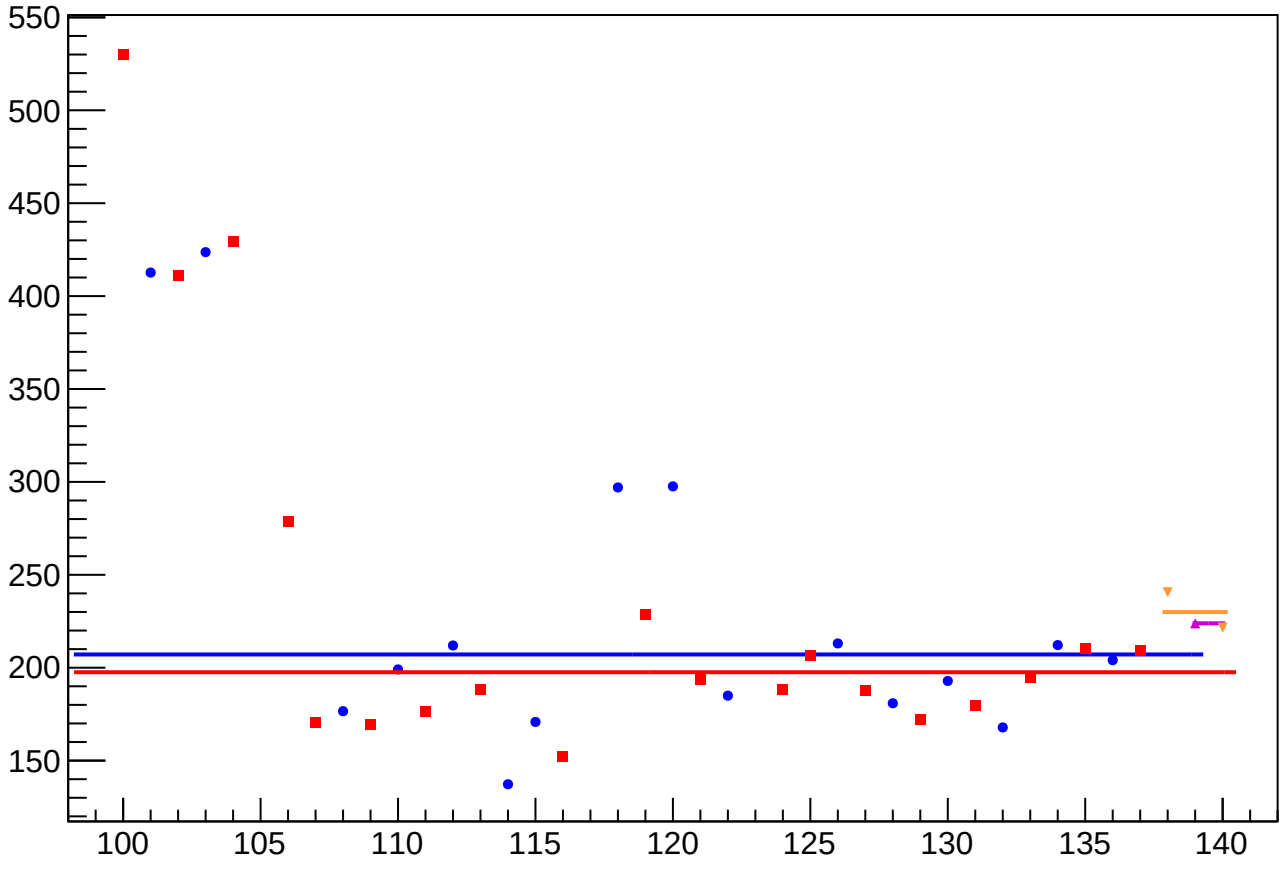
In: 149.668+/-0.039 χ^2/NDF:834454.3/16

Out: 144.048+/-0.036 χ^2/NDF:1027403.6/20

All: 146.594+/-0.026 χ^2/NDF: 1873116.8/37


yield_bpm0l02WS_mean vs Slug, Sign Corrected
×10^3
152
150
148
146
144
142
140
138
136
100
105
110
115
120
125
130
135
140
Right In: 148527.678+/-0.082 χ²/NDF: 209208133.0/15
Left Out: 137049.598+/-0.184 χ²/NDF:56746013.7/1
Right Out: 148282.003+/-0.077 χ²/NDF: 294673557.8/18
Left In: 137177.707+/-0.245 χ²/NDF:0.0/0
Left: 137095.921+/-0.147 χ²/NDF: 56920458.0/2
Right: 148396.583+/-0.056 χ²/NDF: 508678498.1/3
In: 147386.453+/-0.078 χ²/NDF:2138384101.8/16
Out: 146629.437+/-0.071 χ²/NDF:3514528033.1/2
All: 146972.504+/-0.052 χ²/NDF: 57048017

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 229.945+/-0.130 χ^2/NDF:5264.0/1

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 223.903+/-0.173 χ^2/NDF:0.0/0

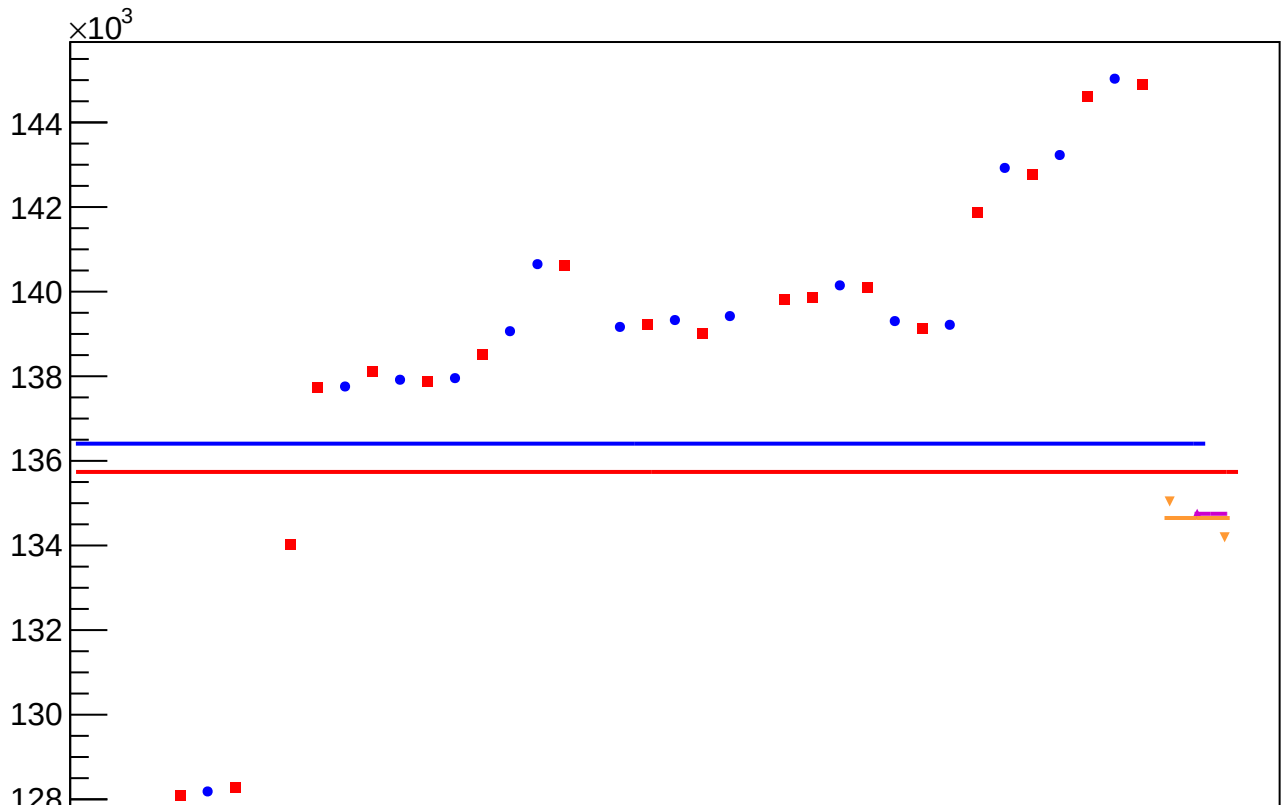
Left: 227.760+/-0.104 χ^2/NDF: 6039.9/2

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 208.821+/-0.055 χ^2/NDF:980638.3/16

Out: 202.334+/-0.050 χ^2/NDF:961813.8/20

All: 205.274+/-0.037 χ^2/NDF: 1950072.7/37



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 134649.801+/-0.420 χ^2/NDF:1011213.5/1

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 134749.640+/-0.645 χ^2/NDF:0.0/0

Left: 134679.530+/-0.352 χ^2/NDF: 1028042.2/2

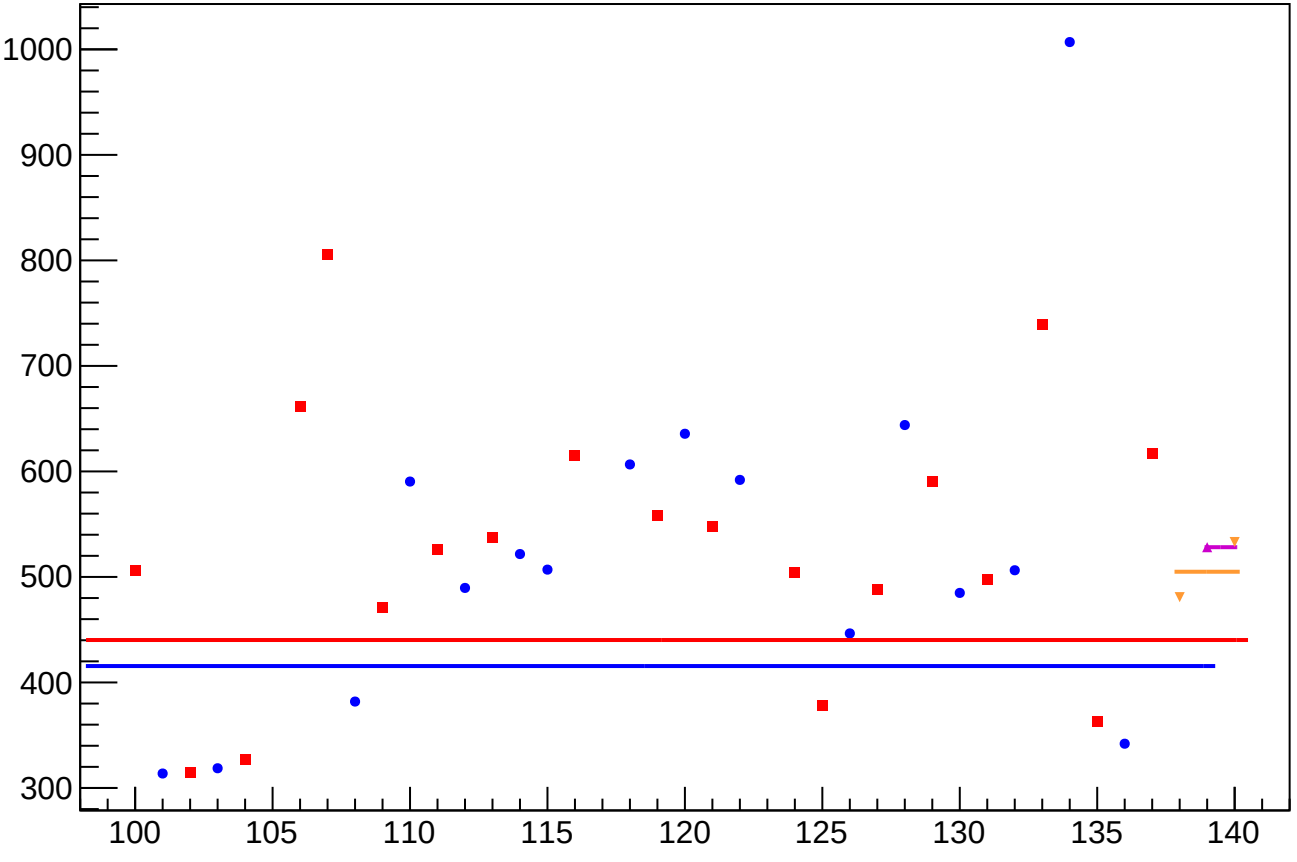
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 136300.934+/-0.163 χ^2/NDF:1583252120.8/16

Out: 135574.723+/-0.163 χ^2/NDF:1180844058.5/2

All: 135937.276+/-0.115 χ^2/NDF: 27740243

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 504.927+/-0.297 χ^2/NDF:7695.4/1

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 528.192+/-0.456 χ^2/NDF:0.0/0

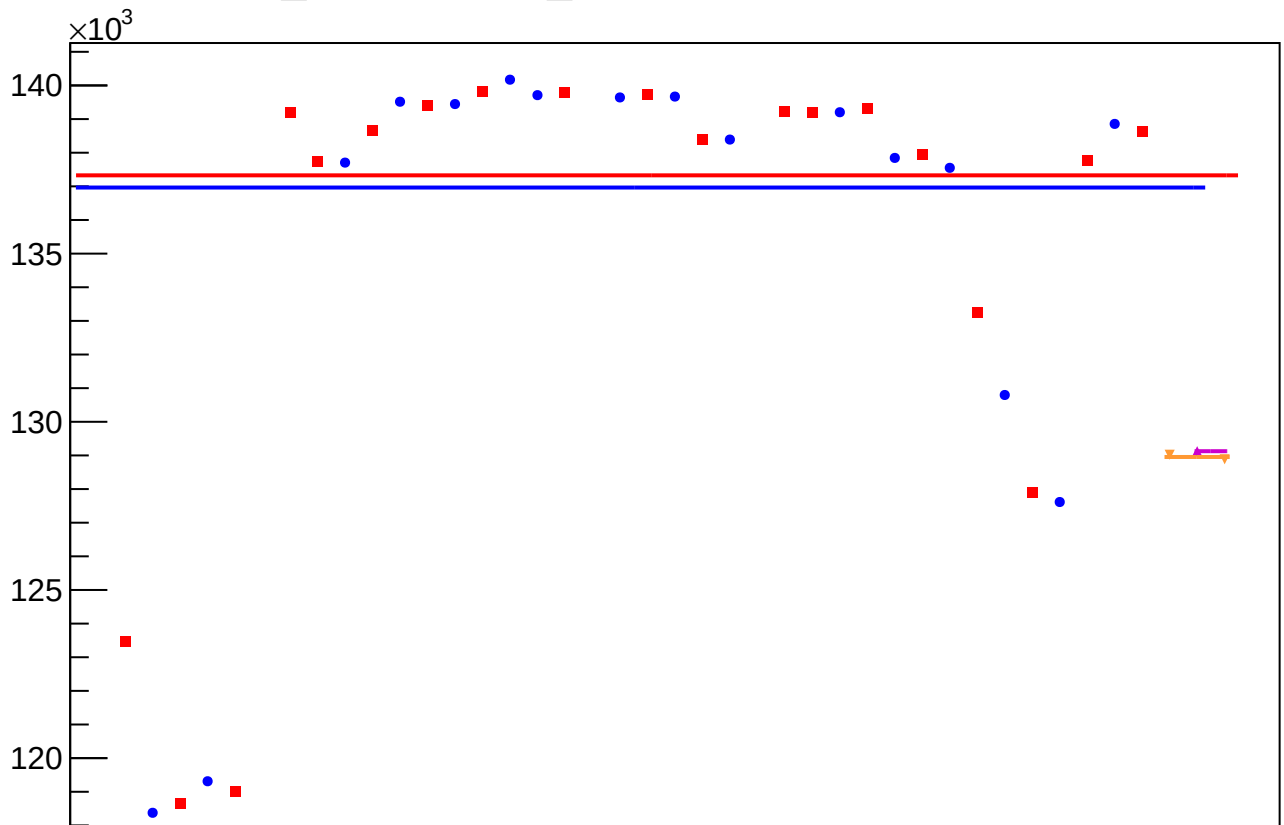
Left: 511.855+/-0.249 χ^2/NDF: 9522.9/2

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 422.751+/-0.115 χ^2/NDF:1088711.9/16

Out: 449.948+/-0.115 χ^2/NDF:958830.0/20

All: 436.370+/-0.081 χ^2/NDF: 2075389.8/37



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128953.845+/-0.137 χ^2/NDF:245316.1/1

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129125.801+/-0.192 χ^2/NDF:0.0/0

Left: 129011.859+/-0.111 χ^2/NDF: 779293.9/2

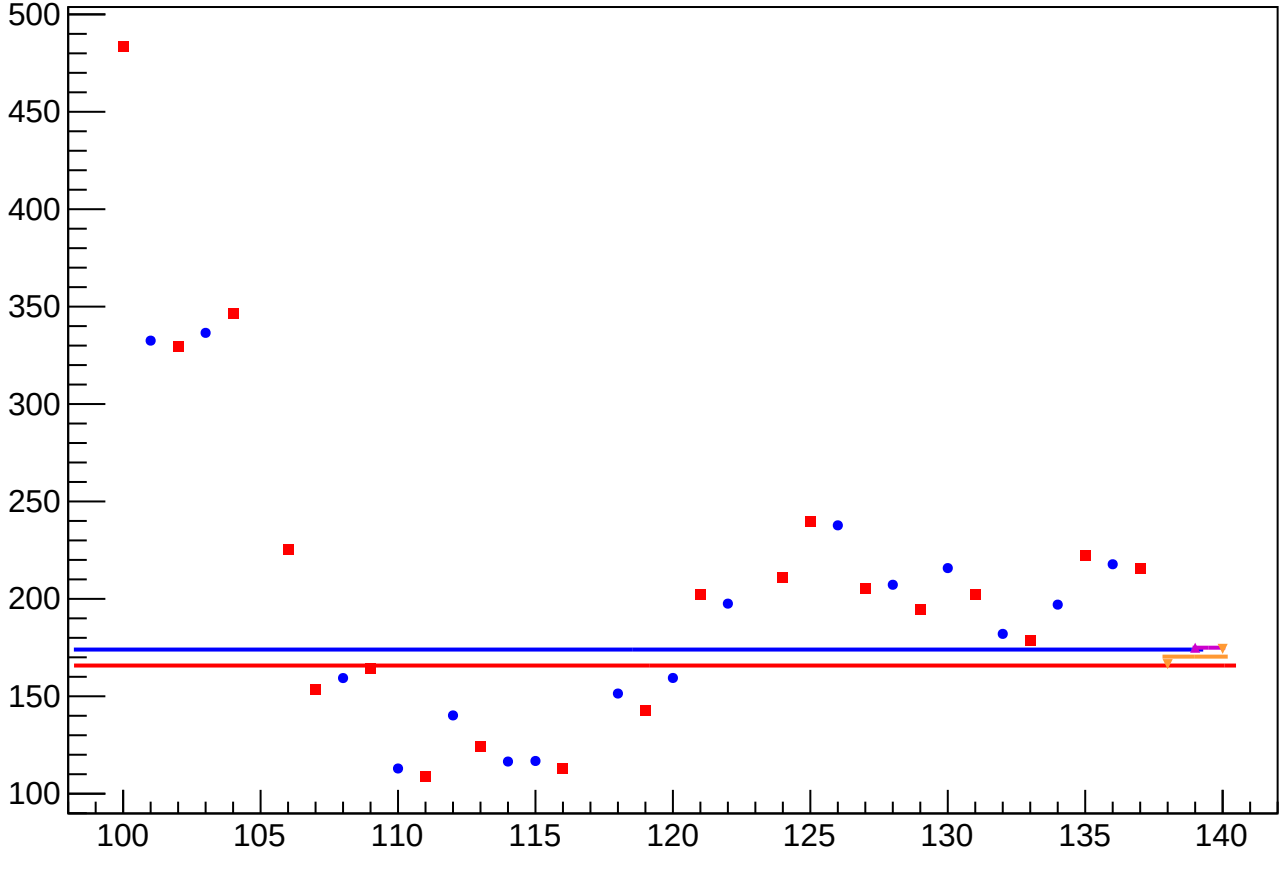
Right: 137157.181+/-0.048 χ^2/NDF: 1559848727.

In: 136047.772+/-0.066 χ^2/NDF:7286608473.3/16

Out: 135758.648+/-0.059 χ^2/NDF:8788022854.9/2

All: 135888.502+/-0.044 χ^2/NDF: 16085357

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 170.356+/-0.097 χ^2/NDF:1650.8/1

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 174.940+/-0.135 χ^2/NDF:0.0/0

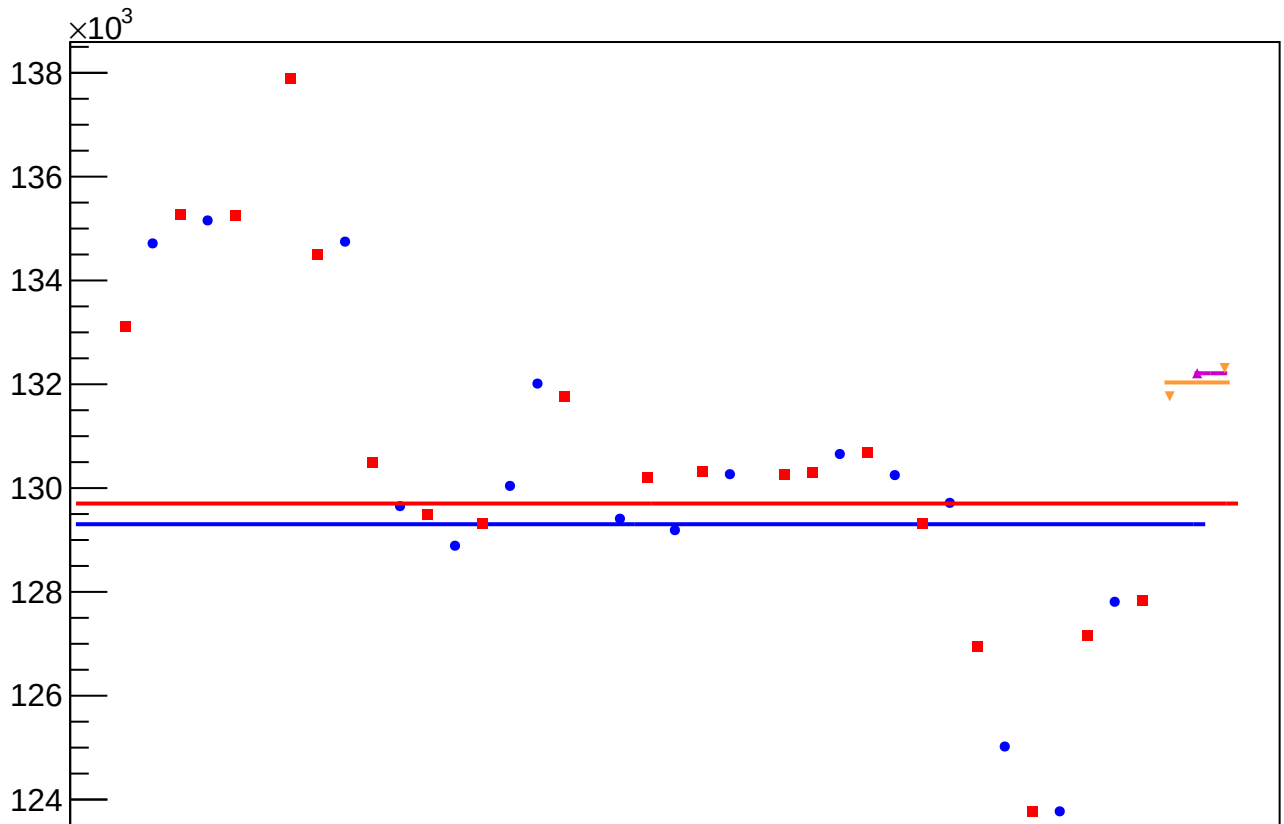
Left: 171.902+/-0.079 χ^2/NDF: 2409.7/2

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 174.094+/-0.046 χ^2/NDF:1188537.2/16

Out: 166.638+/-0.042 χ^2/NDF:1436634.2/20

All: 169.986+/-0.031 χ^2/NDF: 2639439.1/37



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132034.880+/-0.134 χ^2/NDF:4130763.7/1

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 132212.328+/-0.187 χ^2/NDF:0.0/0

Left: 132095.227+/-0.109 χ^2/NDF: 4725918.8/2

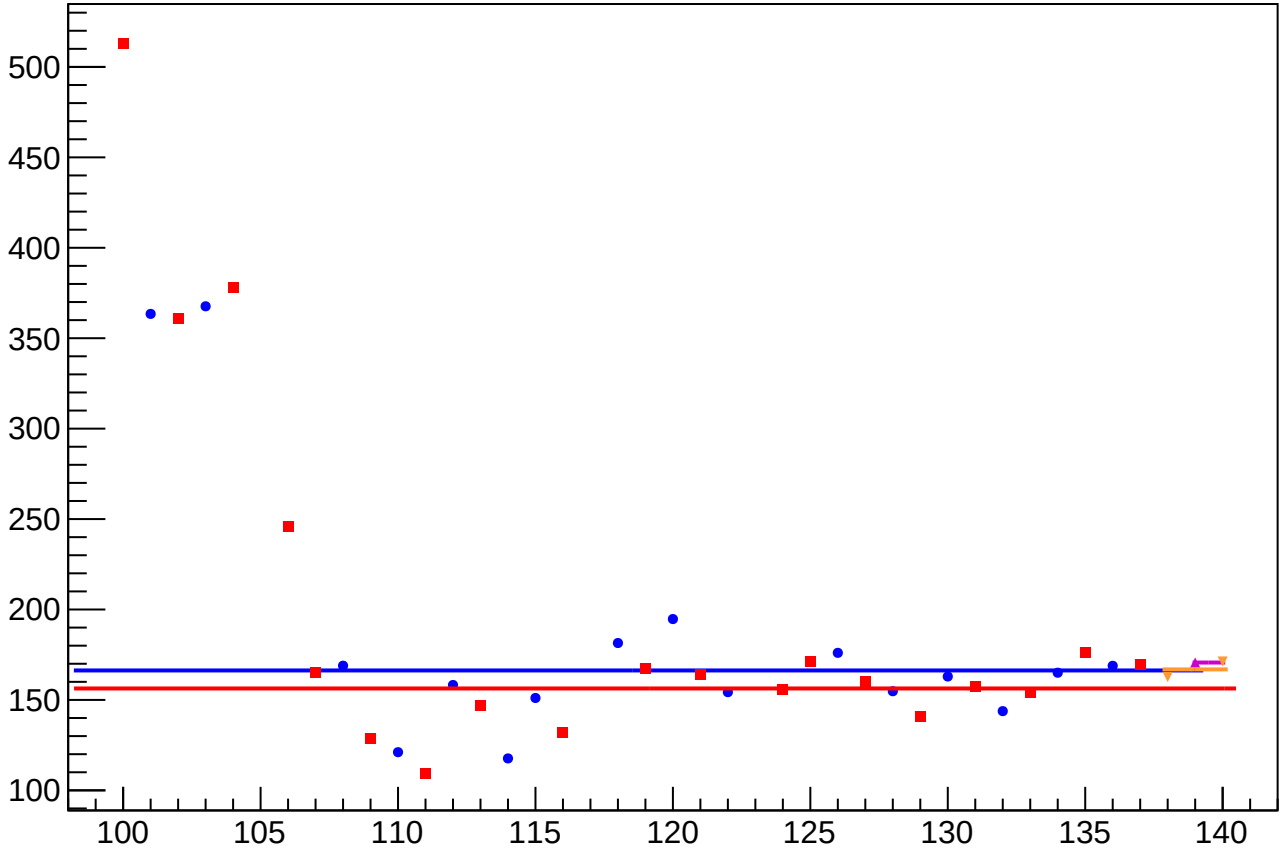
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 129628.259+/-0.062 χ^2/NDF:1865495549.1/16

Out: 130108.144+/-0.056 χ^2/NDF:2031605396.9/2

All: 129894.337+/-0.042 χ^2/NDF: 39298933

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 166.872+/-0.095 χ^2/NDF:2046.0/1

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 170.673+/-0.132 χ^2/NDF:0.0/0

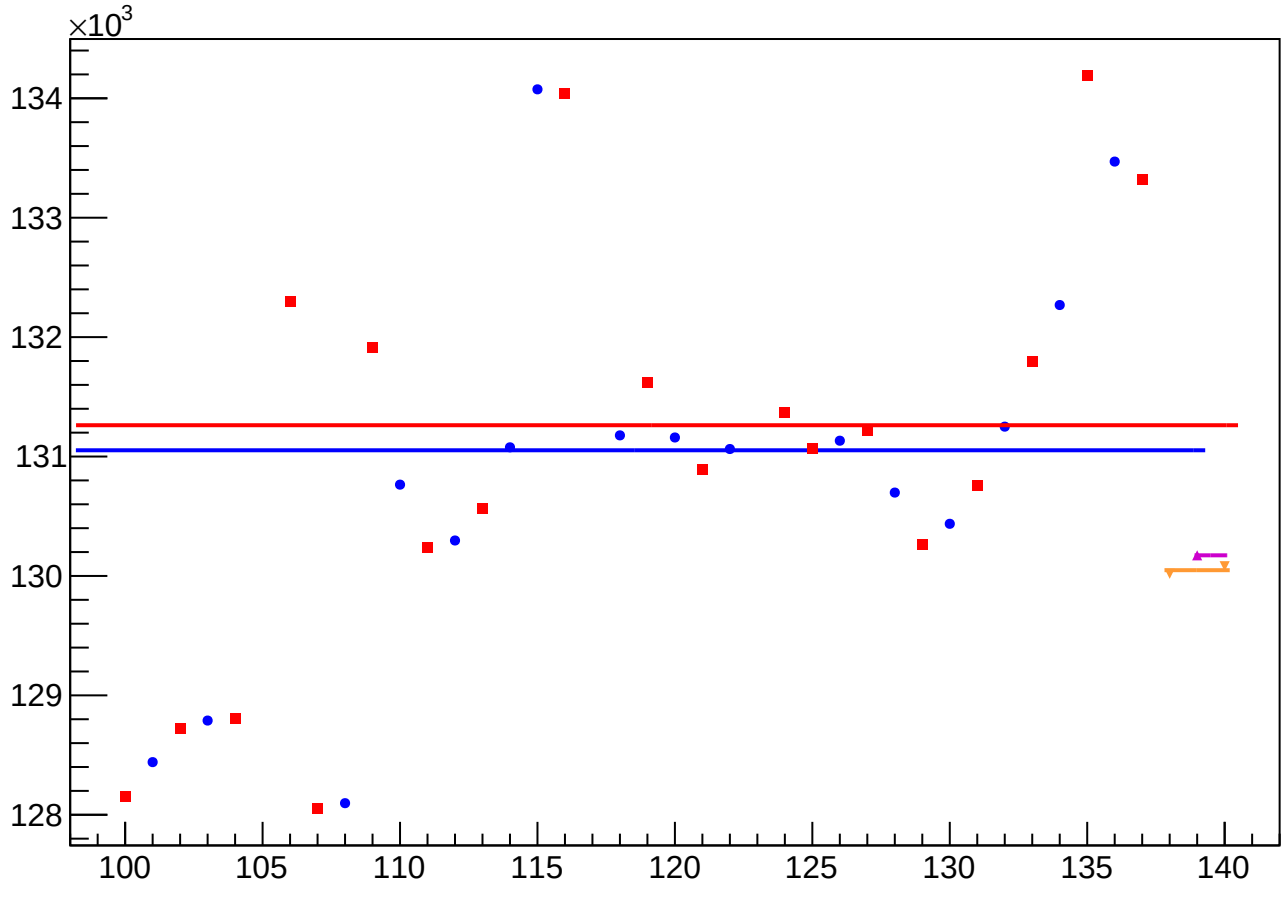
Left: 168.165+/-0.077 χ^2/NDF: 2592.2/2

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 166.790+/-0.044 χ^2/NDF:938919.9/16

Out: 158.167+/-0.040 χ^2/NDF:1185077.4/20

All: 162.009+/-0.029 χ^2/NDF: 2145174.8/37



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 130048.287+/-0.129 χ^2/NDF:60561.1/1

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 130172.778+/-0.181 χ^2/NDF:0.0/0

Left: 130090.189+/-0.105 χ^2/NDF: 375757.8/2

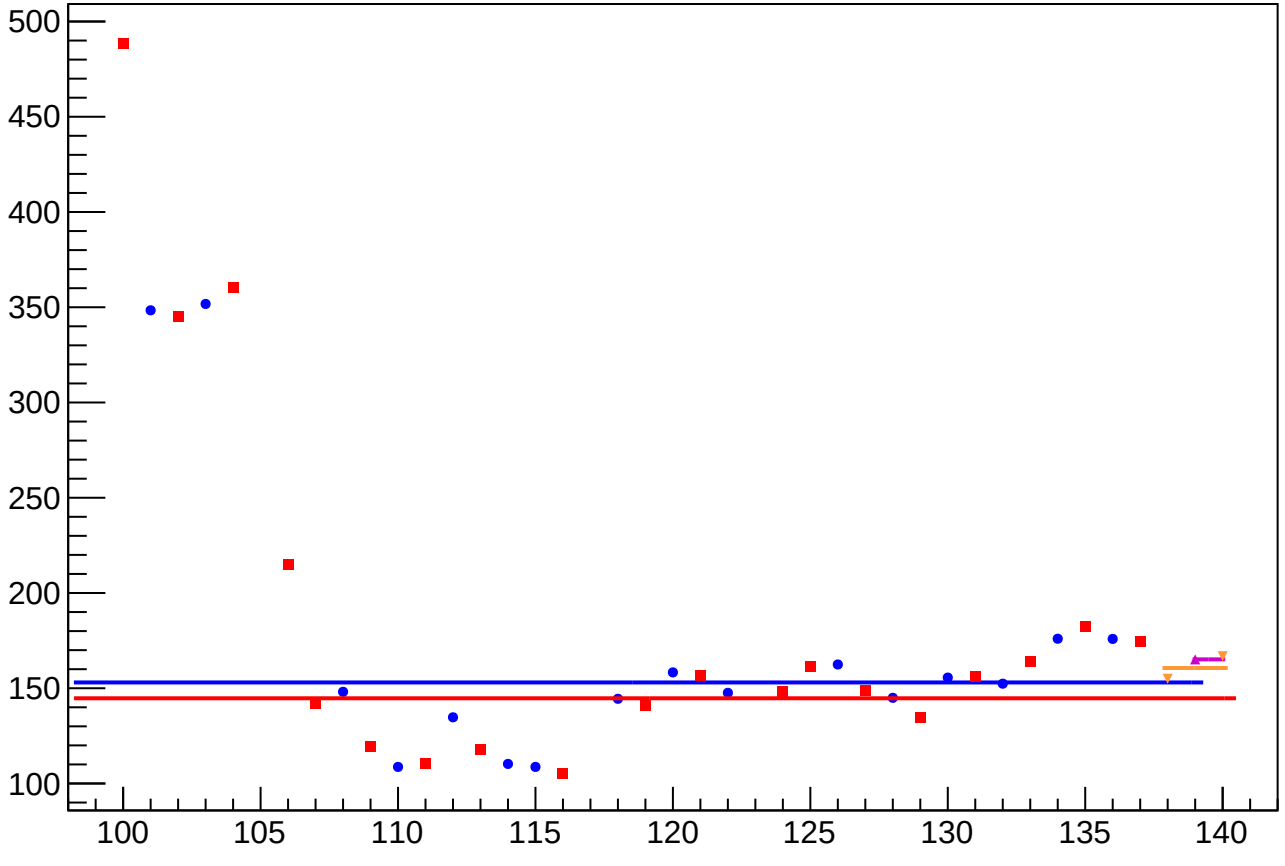
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 130963.304+/-0.057 χ^2/NDF:545031136.7/16

Out: 131064.984+/-0.052 χ^2/NDF:678914044.7/20

All: 131019.365+/-0.039 χ^2/NDF: 12256701

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 160.629+/-0.091 χ^2/NDF:4219.9/1

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 165.149+/-0.128 χ^2/NDF:0.0/0

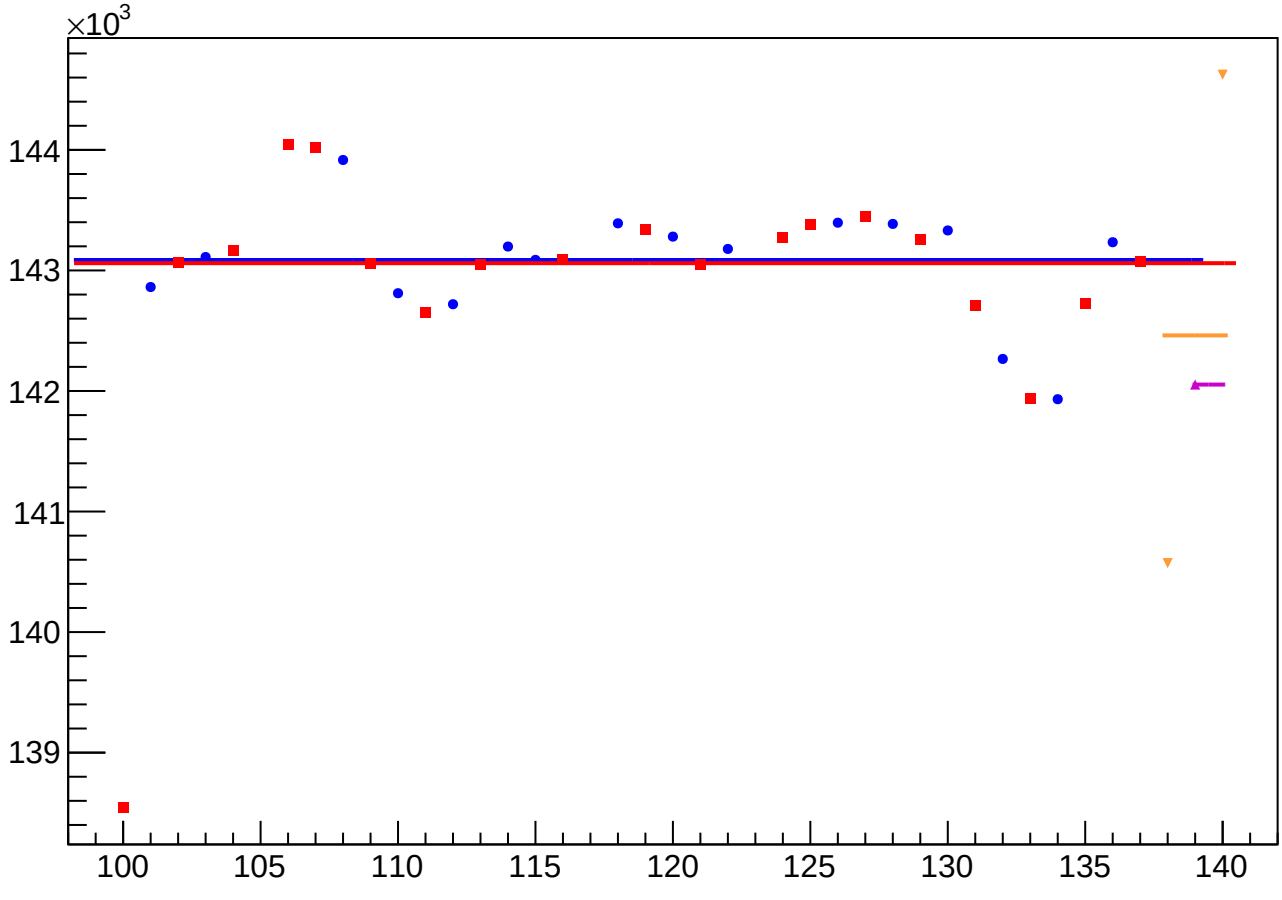
Left: 162.150+/-0.074 χ^2/NDF: 5051.1/2

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

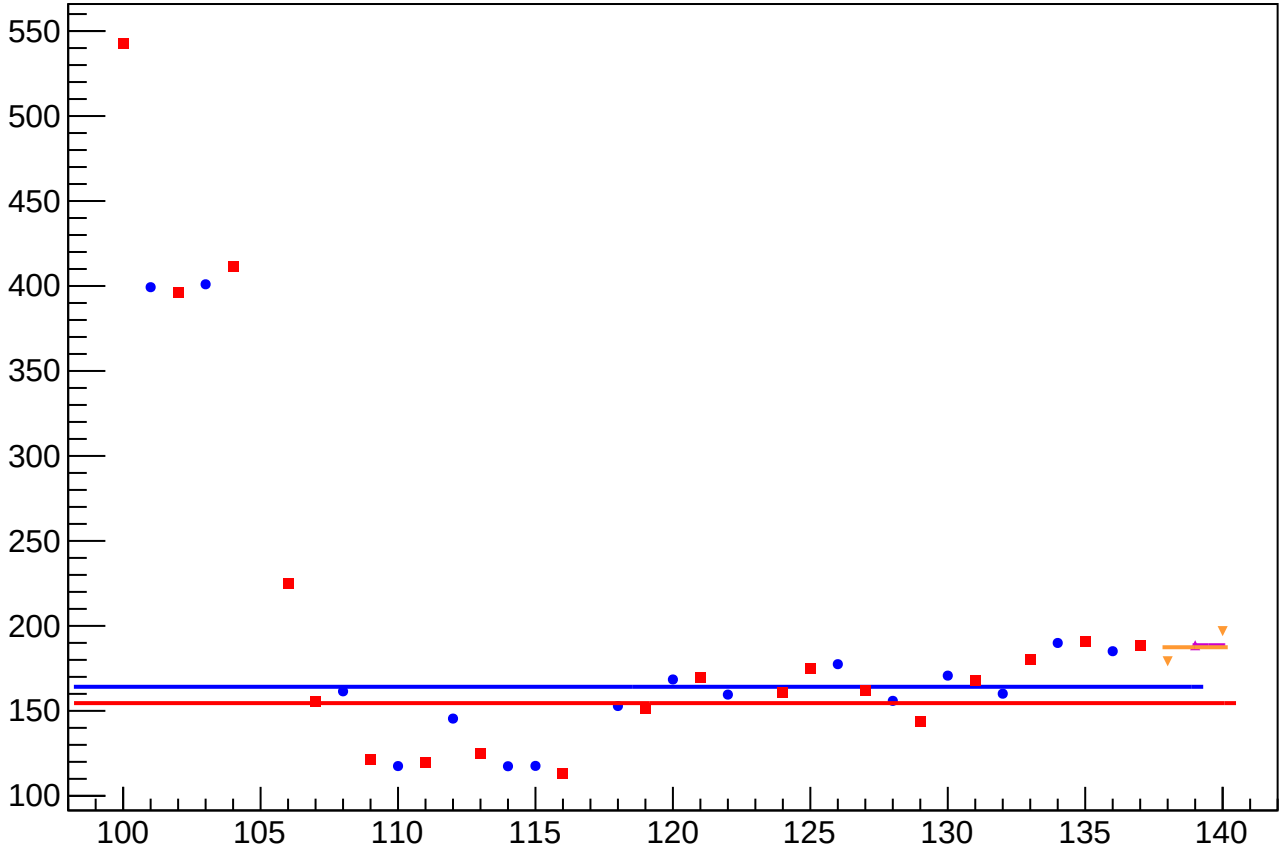
In: 154.269+/-0.041 χ^2/NDF:1067546.2/16

Out: 147.314+/-0.037 χ^2/NDF:1293224.1/20

All: 150.434+/-0.027 χ^2/NDF: 2376912.2/37


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
144
143
142
141
140
139
100
105
110
115
120
125
130
135
140
Right In: 143086.477+/-0.065 χ²/NDF: 46726277.8/15
Left Out: 142461.245+/-0.152 χ²/NDF:177719404.7/1
Right Out: 143060.268+/-0.061 χ²/NDF: 51715744.7/18
Left In: 142053.335+/-0.207 χ²/NDF:0.0/0
Left: 142318.506+/-0.122 χ²/NDF: 180252131.2/2
Right: 143072.451+/-0.044 χ²/NDF: 98528807.3/34
In: 142993.253+/-0.062 χ²/NDF:69464050.0/16
Out: 142977.627+/-0.056 χ²/NDF:242890645.7/20
All: 142984.682+/-0.042 χ²/NDF: 31238945

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 187.437+/-0.107 χ^2/NDF:6813.1/1

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 188.620+/-0.146 χ^2/NDF:0.0/0

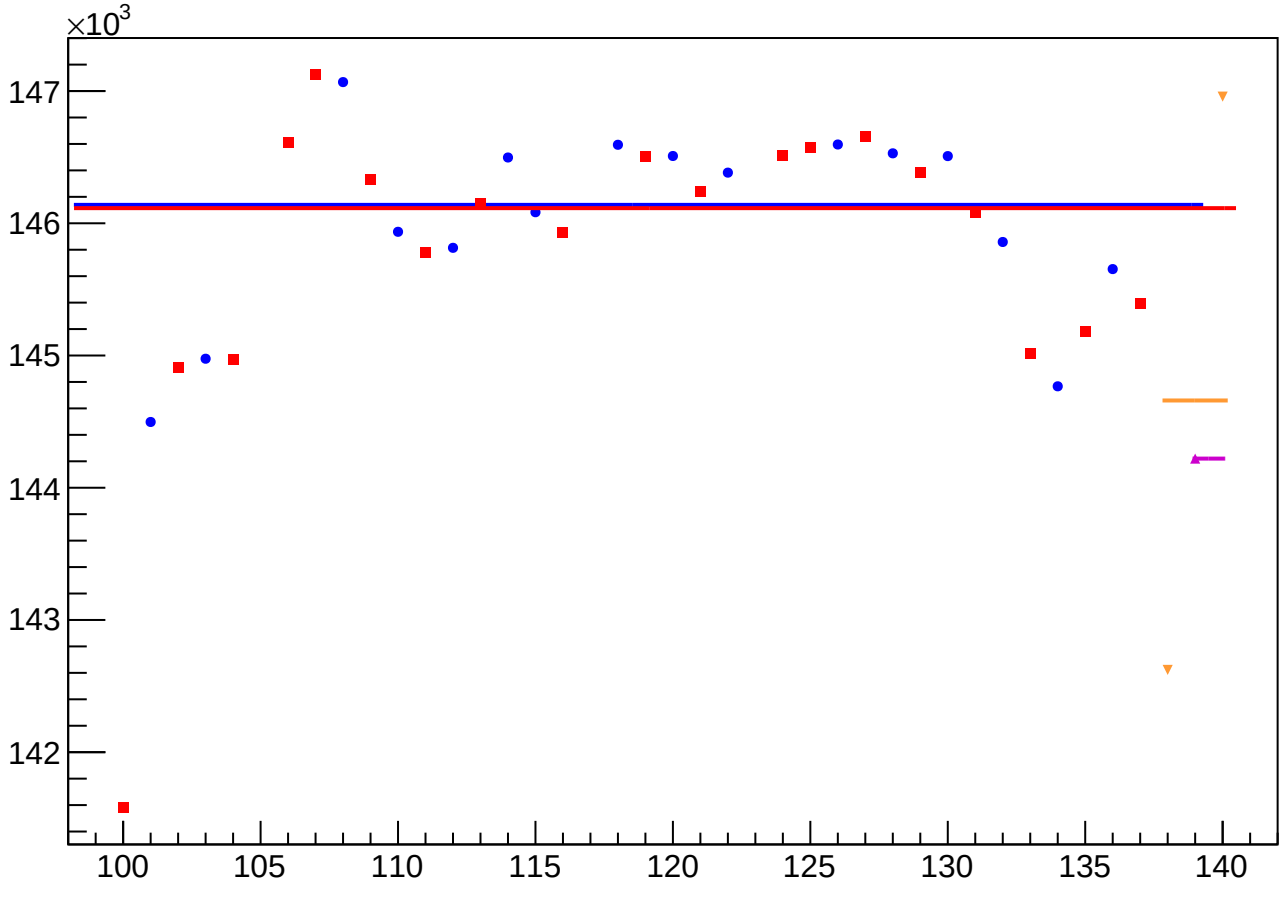
Left: 187.851+/-0.086 χ^2/NDF: 6855.7/2

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 166.373+/-0.044 χ^2/NDF:1155241.2/16

Out: 159.094+/-0.040 χ^2/NDF:1454718.5/20

All: 162.380+/-0.029 χ^2/NDF: 2625044.8/37



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 144659.938+/-0.151 χ^2/NDF:205732791.4/1

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 144220.393+/-0.206 χ^2/NDF:0.0/0

Left: 144506.754+/-0.122 χ^2/NDF: 208691258.3/2

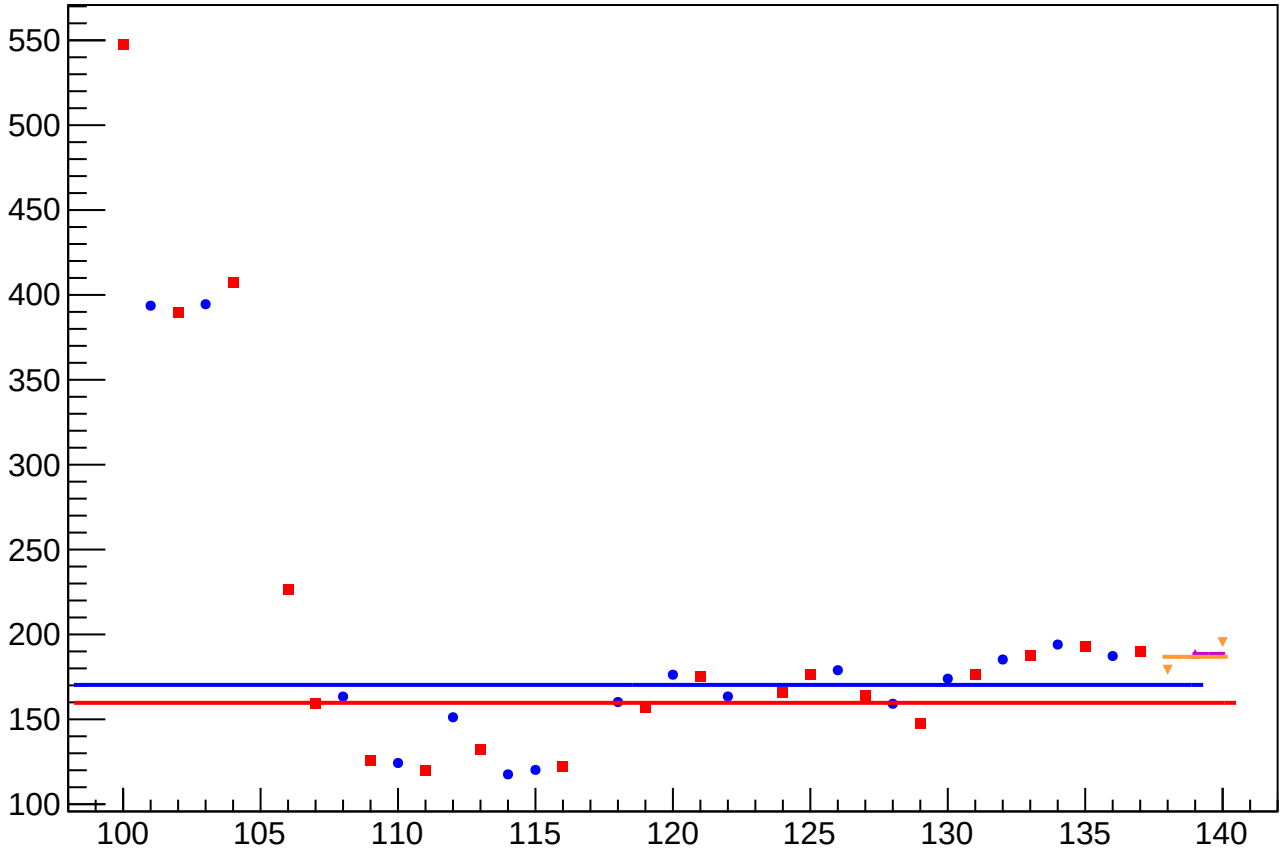
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 145954.160+/-0.064 χ^2/NDF:149917155.9/16

Out: 145901.499+/-0.058 χ^2/NDF:358182968.2/20

All: 145925.098+/-0.043 χ^2/NDF: 508473063

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 186.814+/-0.107 χ^2/NDF:5788.9/1

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 188.530+/-0.146 χ^2/NDF:0.0/0

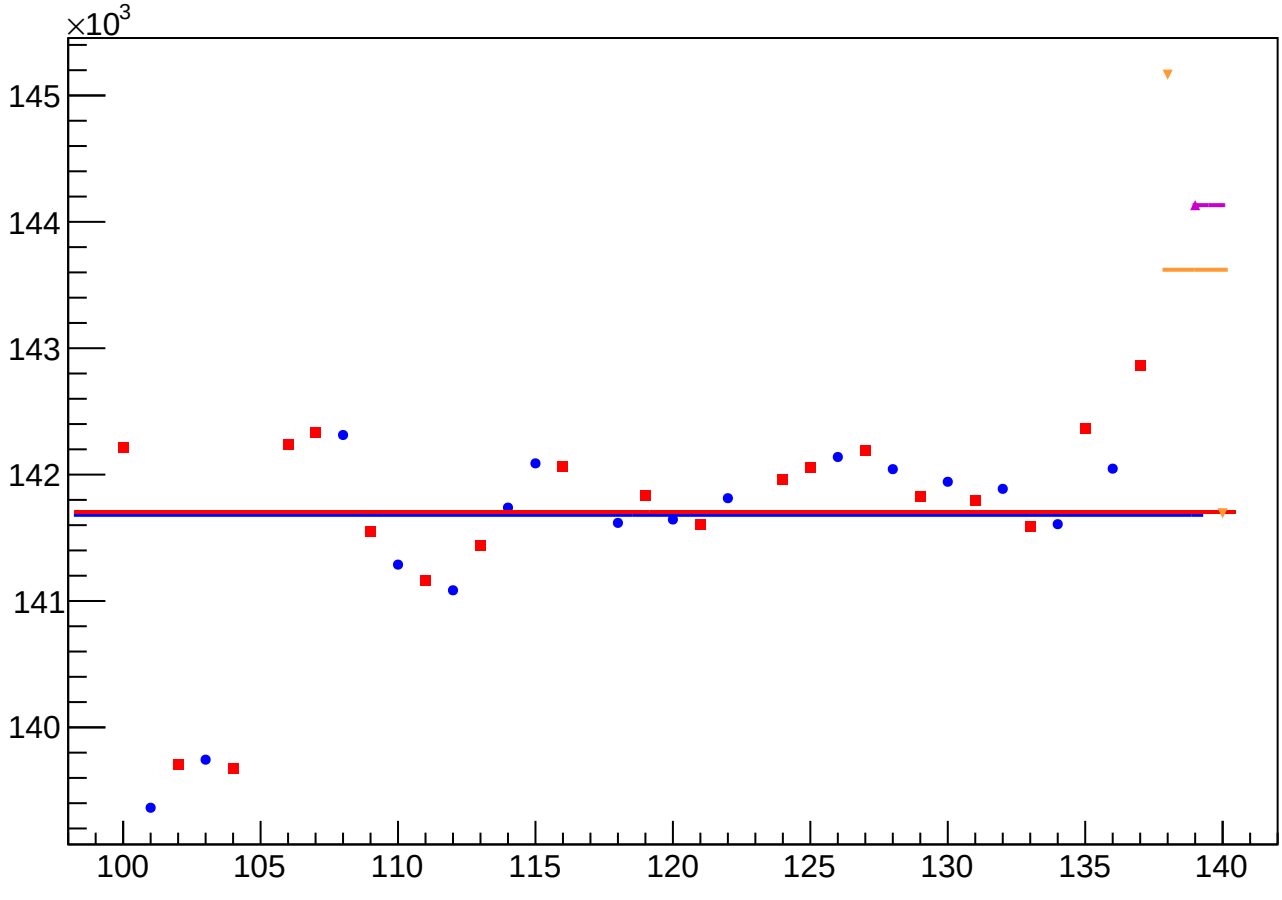
Left: 187.412+/-0.086 χ^2/NDF: 5879.1/2

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 172.039+/-0.045 χ^2/NDF:1071780.0/16

Out: 163.690+/-0.041 χ^2/NDF:1352128.1/20

All: 167.432+/-0.030 χ^2/NDF: 2442656.1/37



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143621.056+/-0.159 χ^2/NDF:117307303.4/1

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 144132.176+/-0.222 χ^2/NDF:0.0/0

Left: 143794.350+/-0.129 χ^2/NDF: 120801528.0/2

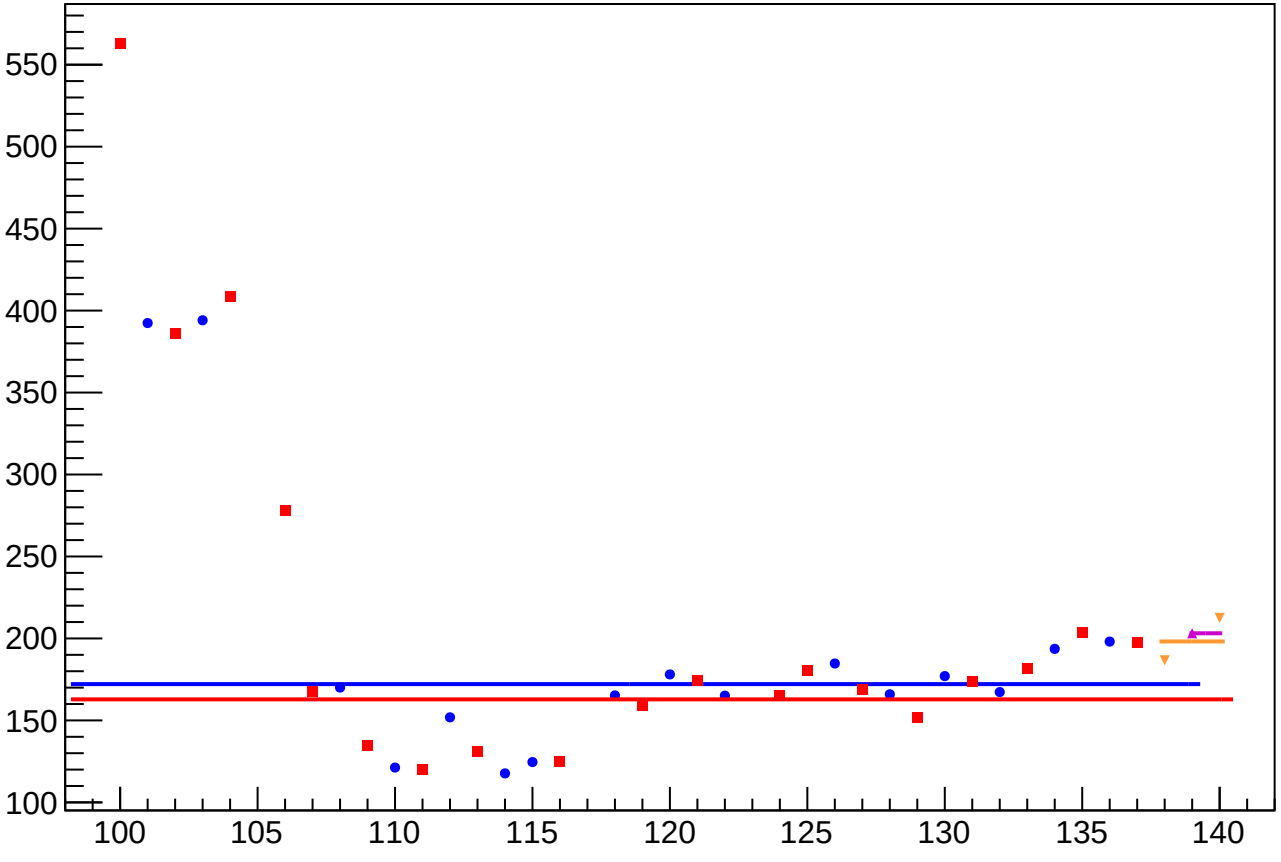
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 141893.037+/-0.065 χ^2/NDF:175323242.3/16

Out: 141969.358+/-0.059 χ^2/NDF:307735959.2/20

All: 141934.895+/-0.044 χ^2/NDF: 48380929

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 198.162+/-0.113 χ^2/NDF:13009.1/1

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 203.152+/-0.157 χ^2/NDF:0.0/0

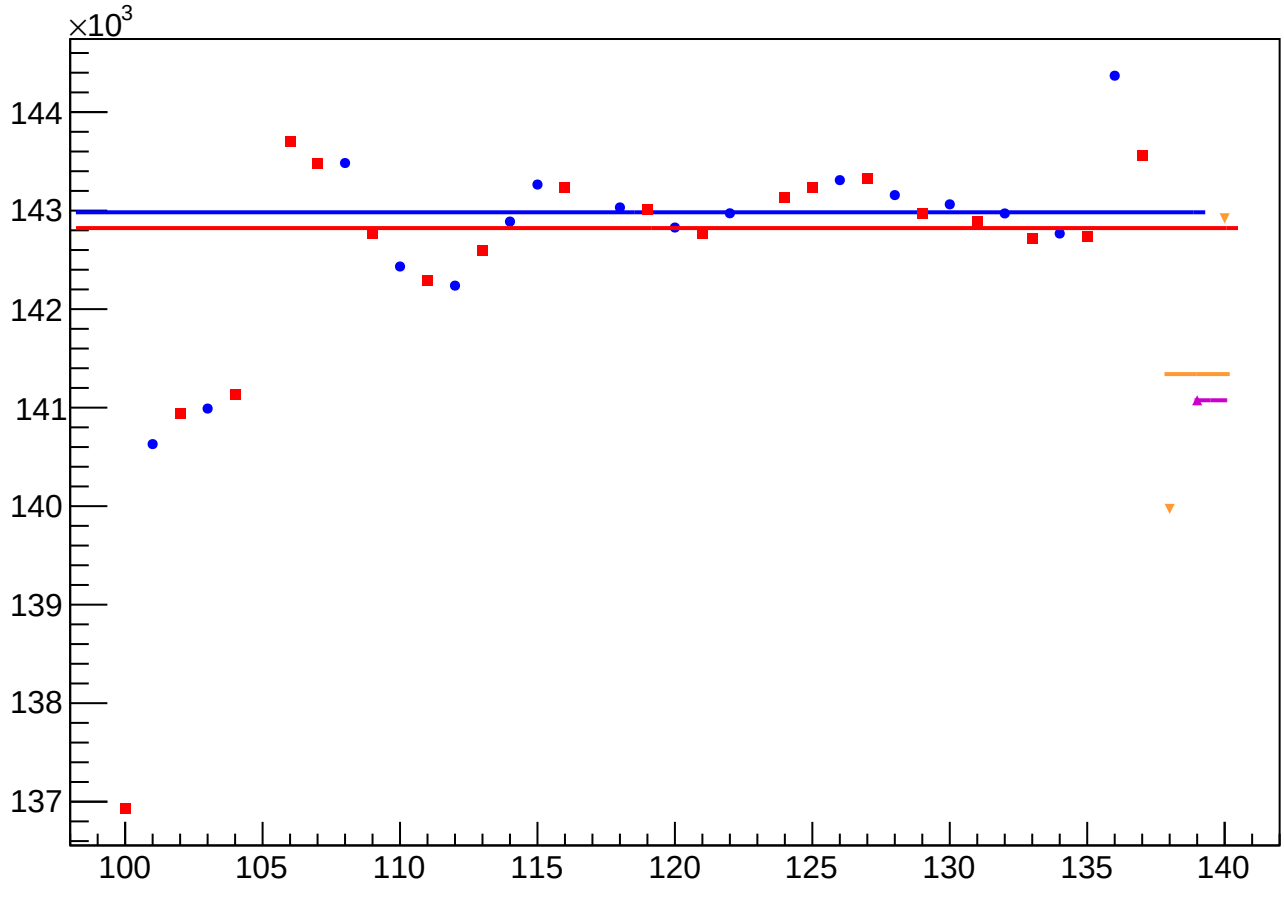
Left: 199.854+/-0.092 χ^2/NDF: 13675.4/2

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 174.812+/-0.046 χ^2/NDF:1104160.8/16

Out: 167.730+/-0.042 χ^2/NDF:1403661.9/20

All: 170.928+/-0.031 χ^2/NDF: 2520738.2/37



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 141340.565+/-0.145 χ^2/NDF:103219658.6/1

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 141074.797+/-0.200 χ^2/NDF:0.0/0

Left: 141249.057+/-0.117 χ^2/NDF: 104379900.6/2

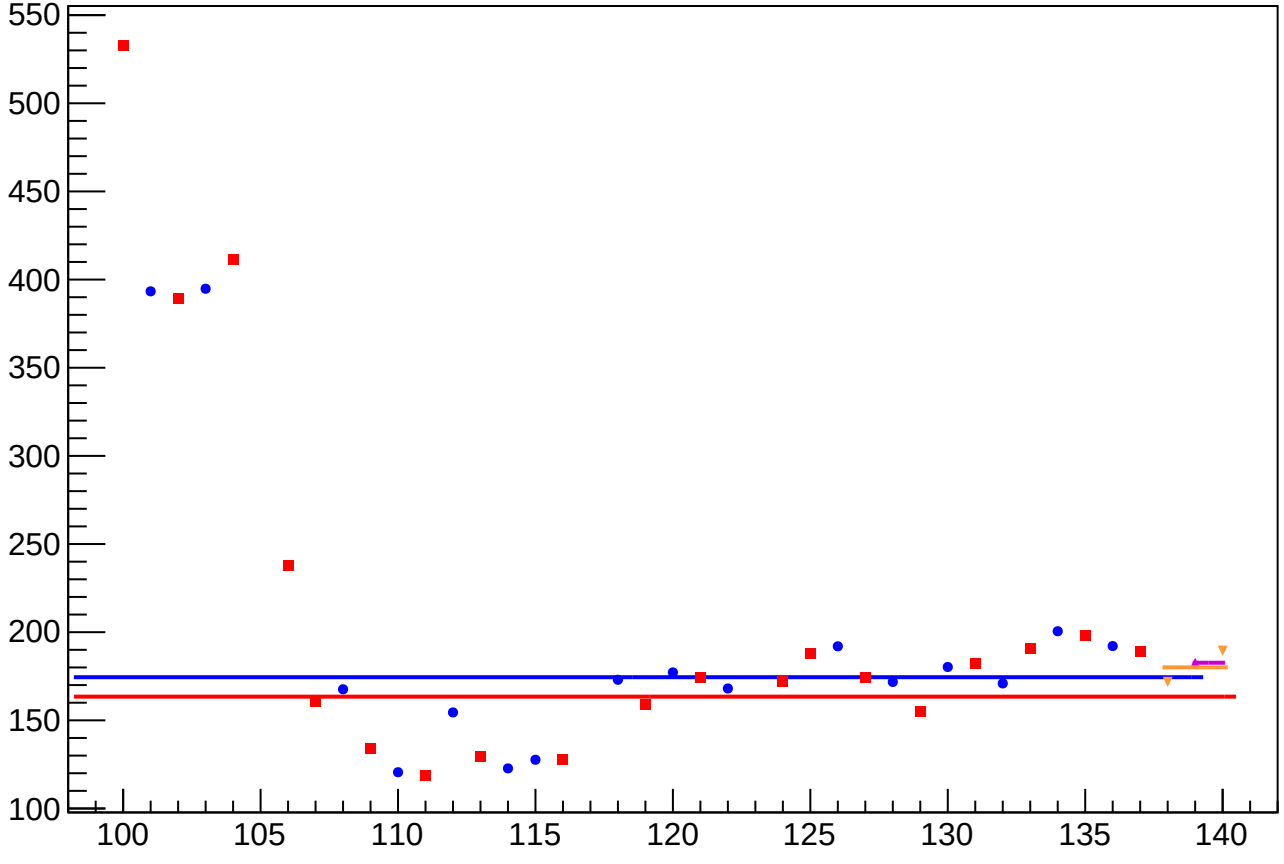
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142779.077+/-0.065 χ^2/NDF:189169751.7/16

Out: 142580.237+/-0.059 χ^2/NDF:254459036.1/20

All: 142668.850+/-0.044 χ^2/NDF: 44876673

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 180.046+/-0.102 χ^2/NDF:7414.6/1

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 182.672+/-0.141 χ^2/NDF:0.0/0

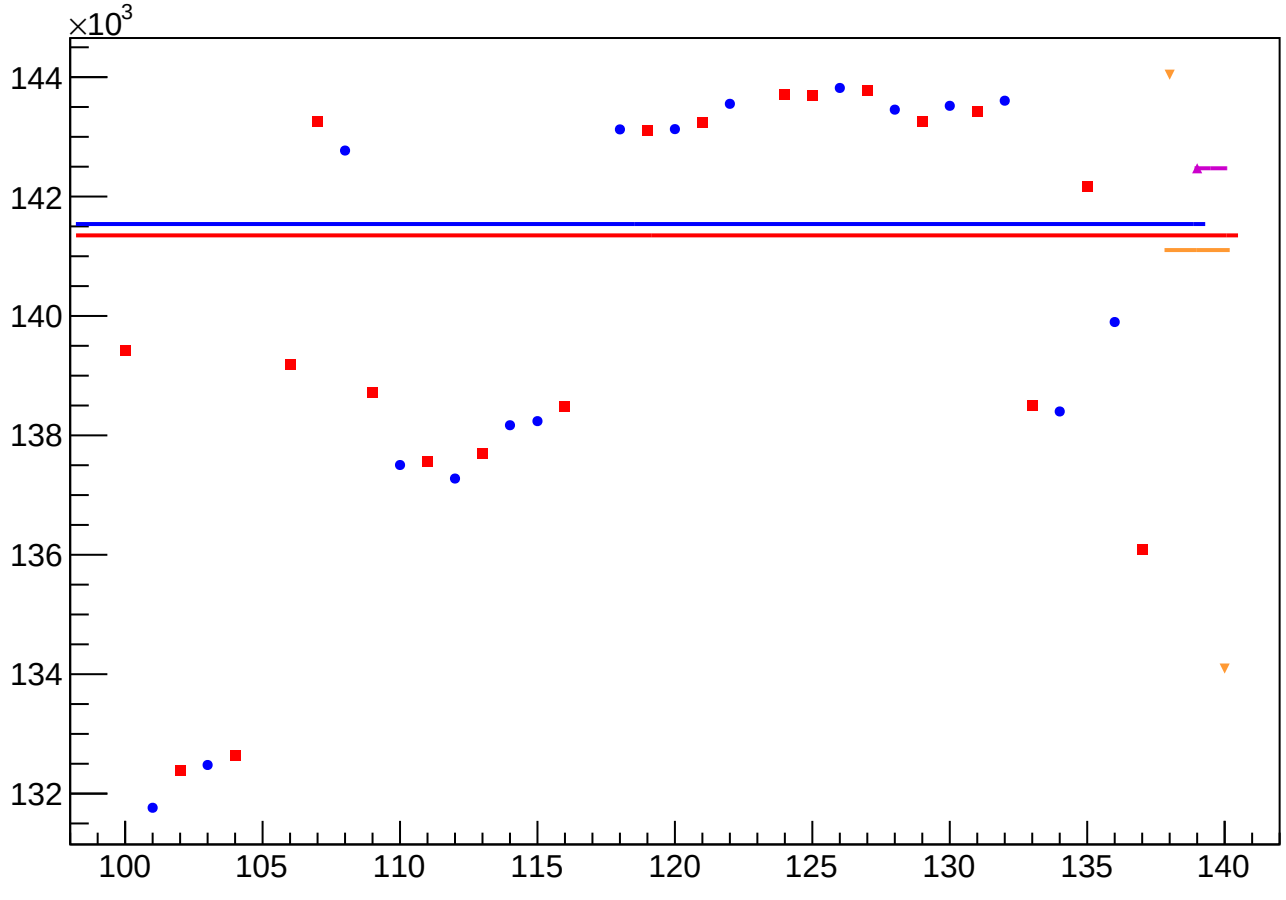
Left: 180.950+/-0.083 χ^2/NDF: 7641.1/2

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 175.344+/-0.046 χ^2/NDF:1052139.2/16

Out: 166.164+/-0.041 χ^2/NDF:1311892.9/20

All: 170.255+/-0.031 χ^2/NDF: 2385935.6/37



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 141103.529+/-0.203 χ^2/NDF:498920057.9/1

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 142473.496+/-0.250 χ^2/NDF:0.0/0

Left: 141647.477+/-0.158 χ^2/NDF: 516977224.4/2

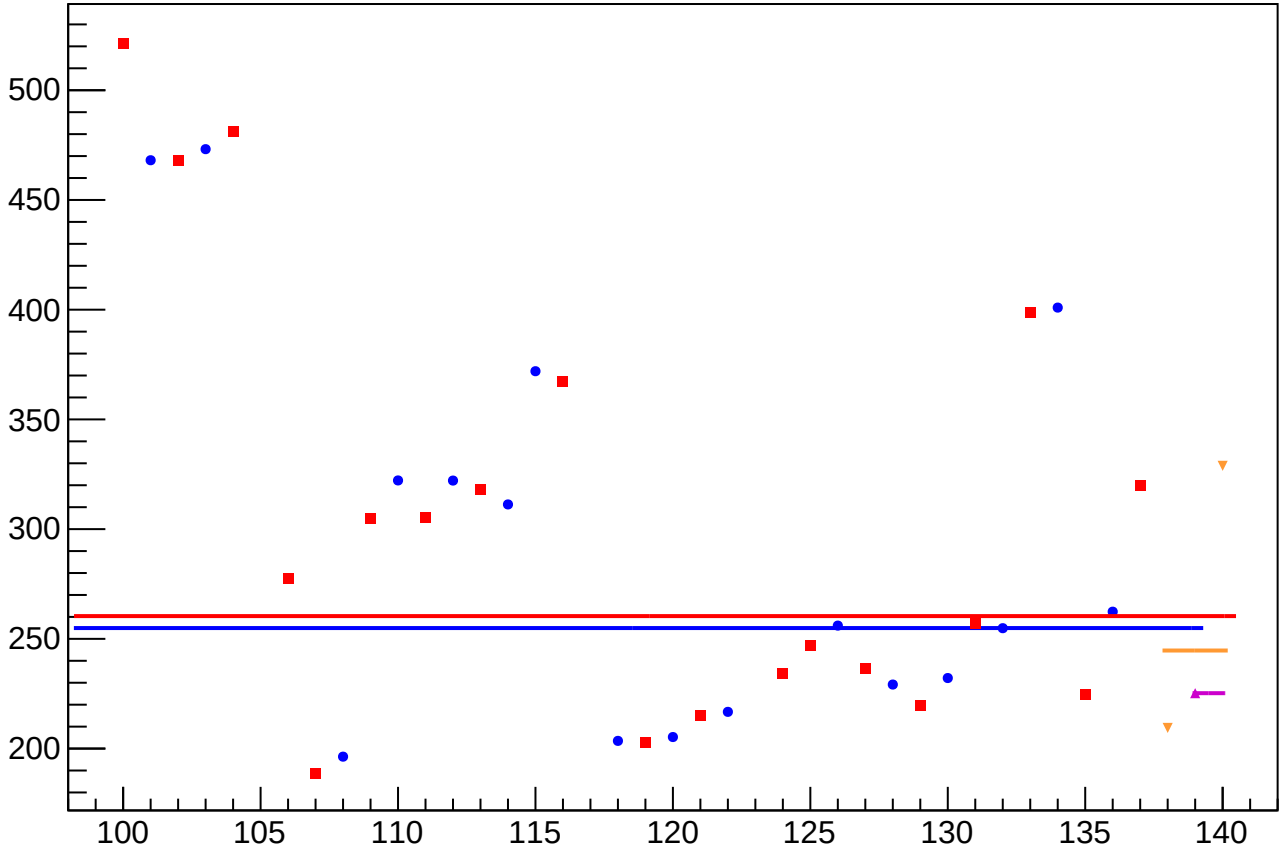
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 141669.799+/-0.094 χ^2/NDF:959722231.5/16

Out: 141300.706+/-0.090 χ^2/NDF:1426757040.7/2

All: 141479.167+/-0.065 χ^2/NDF: 239452543

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 244.684+/-0.144 χ^2/NDF:143856.4/1

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 225.242+/-0.177 χ^2/NDF:0.0/0

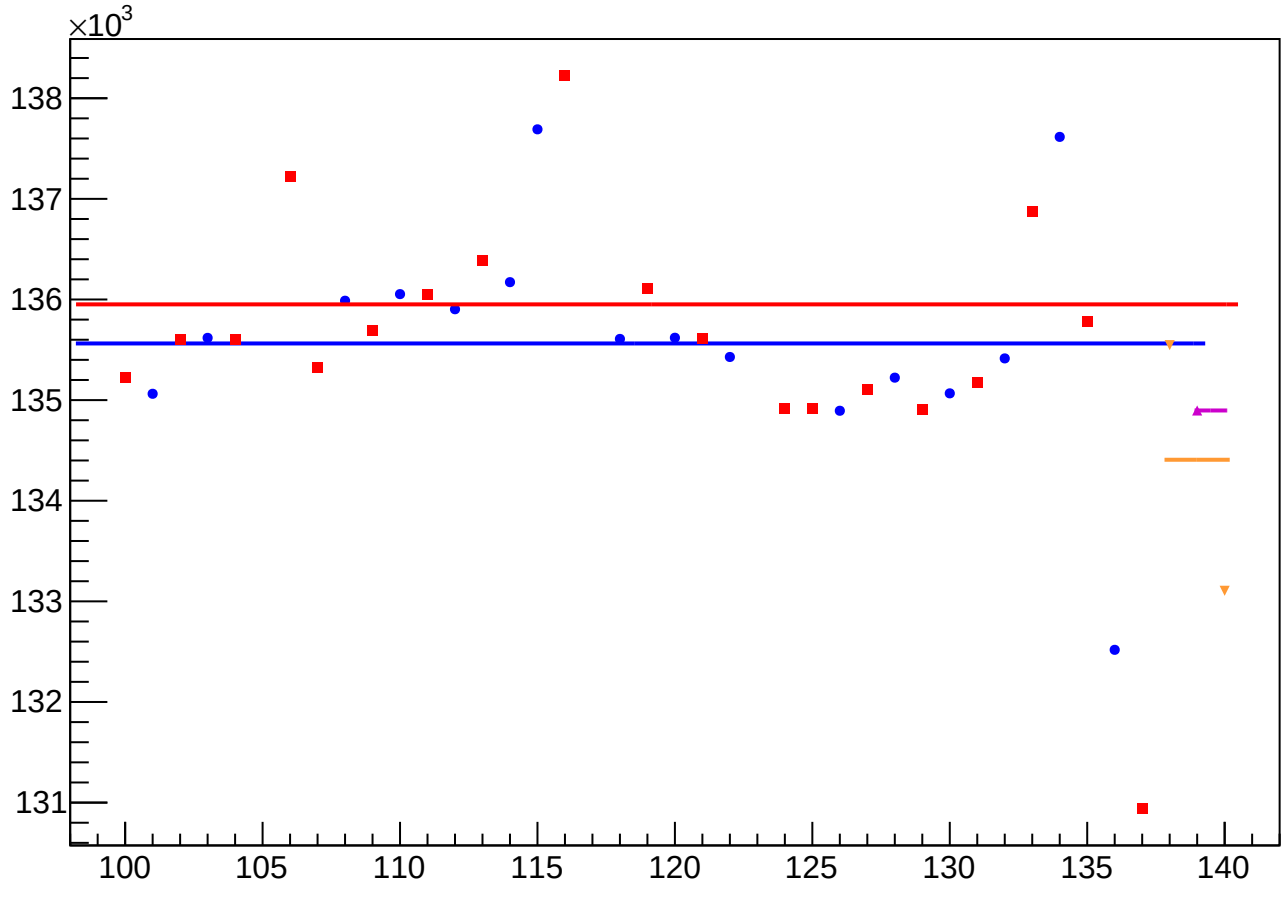
Left: 236.964+/-0.112 χ^2/NDF: 151129.3/2

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

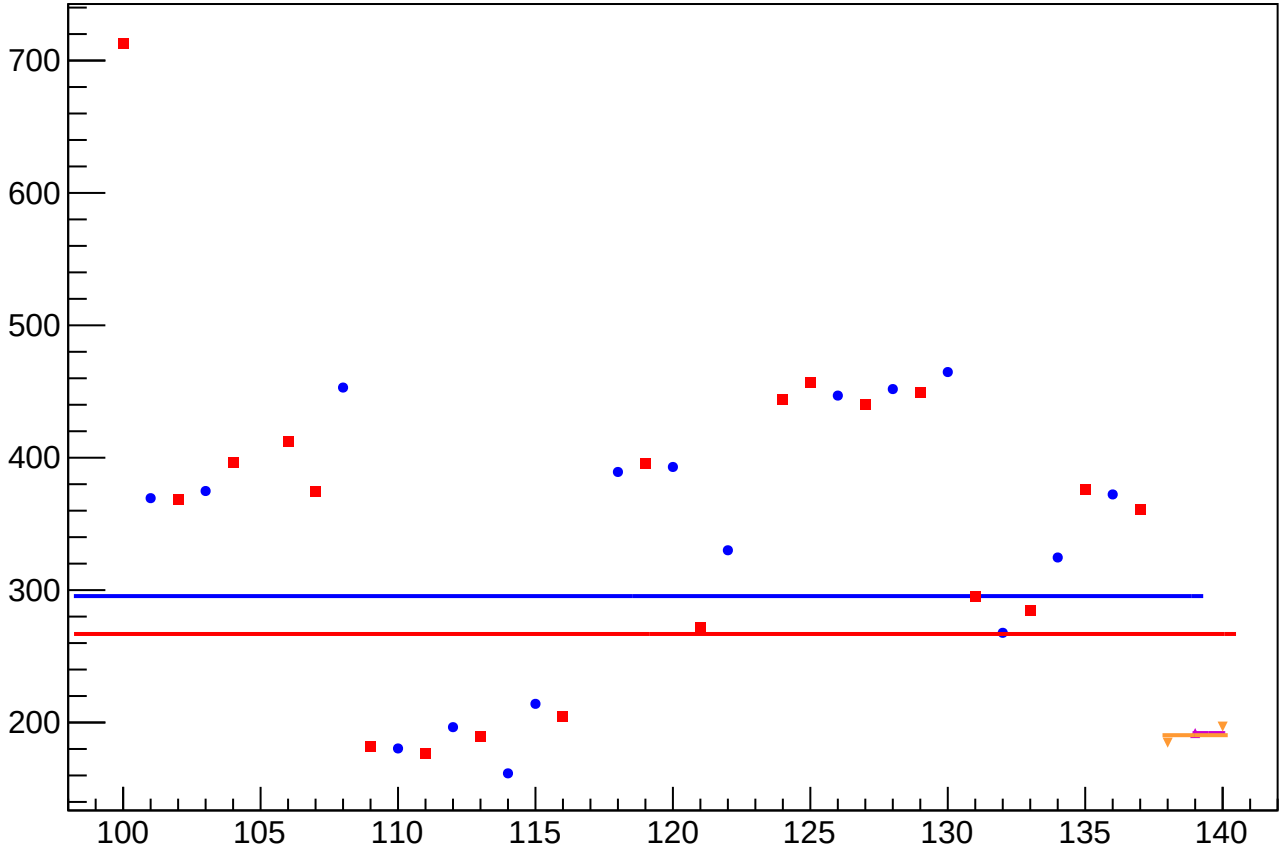
In: 250.778+/-0.066 χ^2/NDF:974137.2/16

Out: 257.257+/-0.064 χ^2/NDF:1146714.7/20

All: 254.124+/-0.046 χ^2/NDF: 2125810.7/37


yield_bpm0r05WS_mean vs Slug, Sign Corrected
×10^3
138
137
136
135
134
133
132
131
100
105
110
115
120
125
130
135
140
Right In: 135563.062+/-0.118 χ²/NDF: 94169293.7/15
Left Out: 134407.265+/-0.154 χ²/NDF:62177790.6/1
Right Out: 135951.486+/-0.106 χ²/NDF: 91577209.6/18
Left In: 134896.942+/-0.210 χ²/NDF:0.0/0
Left: 134579.454+/-0.124 χ²/NDF: 65711821.8/2
Right: 135777.958+/-0.079 χ²/NDF: 191705440.0/3
In: 135402.183+/-0.103 χ²/NDF:101819725.9/16
Out: 135454.839+/-0.088 χ²/NDF:221558238.8/20
All: 135432.758+/-0.067 χ²/NDF: 32352949

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 190.425+/-0.109 χ^2/NDF:3054.2/1

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 192.031+/-0.148 χ^2/NDF:0.0/0

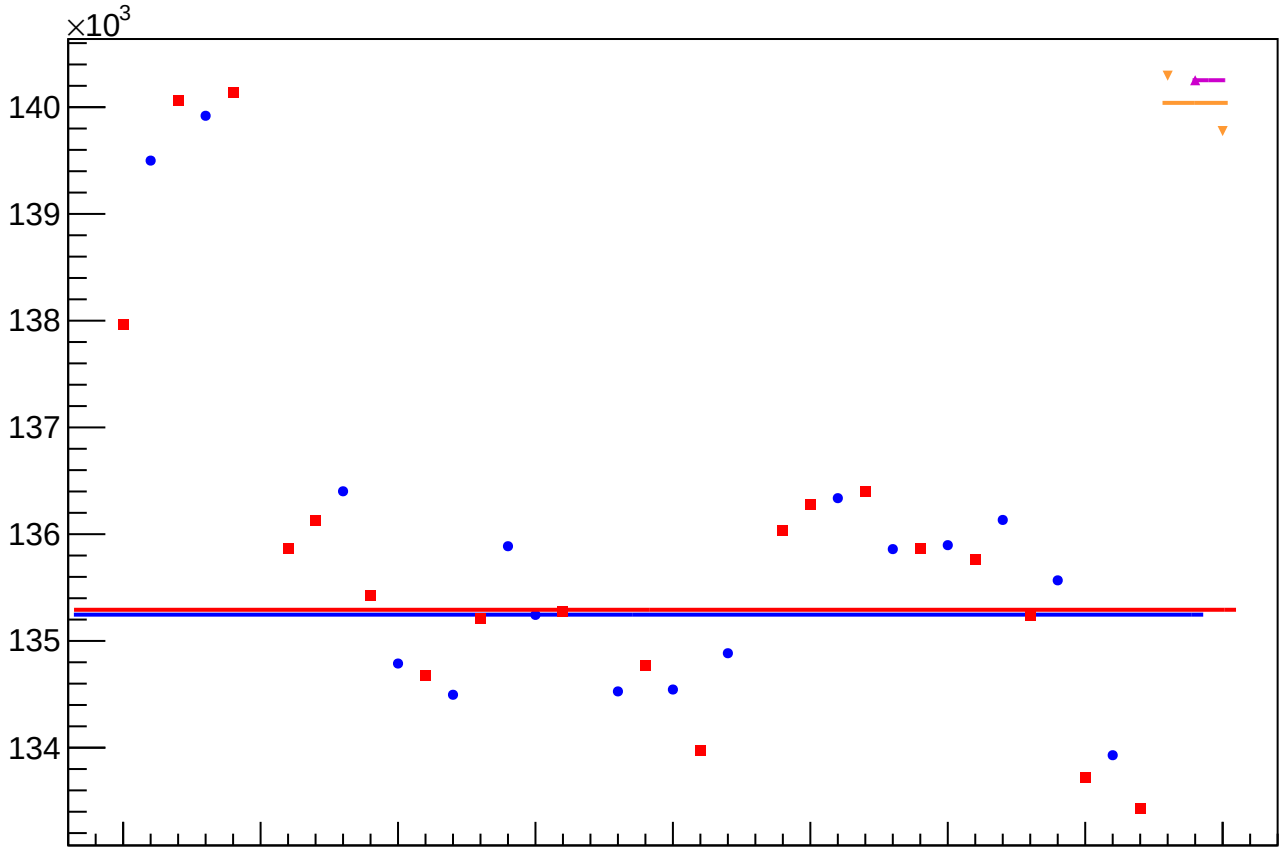
Left: 190.990+/-0.088 χ^2/NDF: 3130.3/2

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 270.497+/-0.073 χ^2/NDF:1811570.4/16

Out: 242.280+/-0.062 χ^2/NDF:2013397.8/20

All: 254.113+/-0.047 χ^2/NDF: 3911992.5/37



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 140040.327+/-0.144 χ^2/NDF:3255432.4/1

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 140252.476+/-0.205 χ^2/NDF:0.0/0

Left: 140110.427+/-0.118 χ^2/NDF: 3975244.0/2

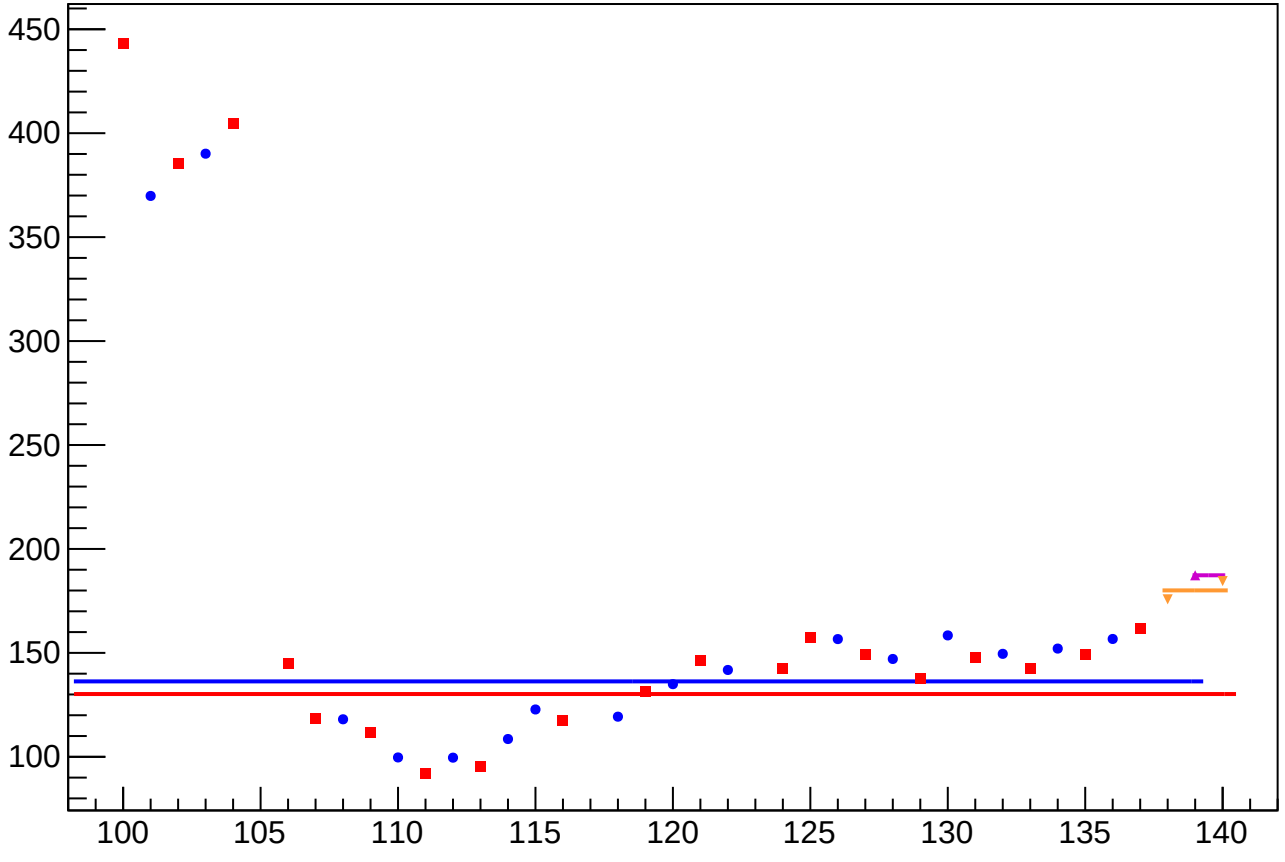
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 135580.441+/-0.053 χ^2/NDF:947057136.2/16

Out: 135836.731+/-0.049 χ^2/NDF:1351173890.4/2

All: 135719.100+/-0.036 χ^2/NDF: 23109474

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 180.060+/-0.102 χ^2/NDF:1862.9/1

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 187.330+/-0.145 χ^2/NDF:0.0/0

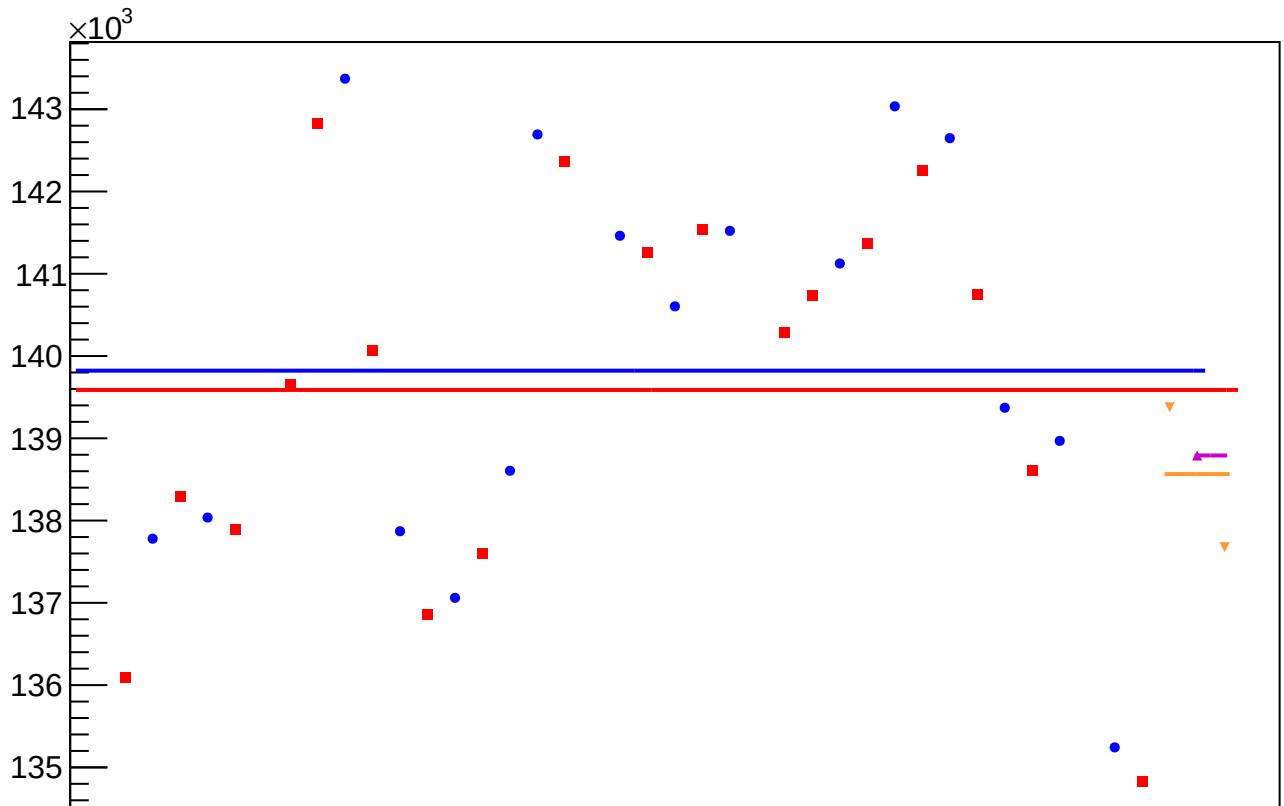
Left: 182.462+/-0.083 χ^2/NDF: 3553.5/2

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 139.692+/-0.037 χ^2/NDF:1500223.1/16

Out: 135.927+/-0.034 χ^2/NDF:1735695.3/20

All: 137.655+/-0.025 χ^2/NDF: 3241409.4/37



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 138565.238+/-0.142 χ^2/NDF:35613259.5/1

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 138791.467+/-0.202 χ^2/NDF:0.0/0

Left: 138640.108+/-0.116 χ^2/NDF: 36449030.8/2

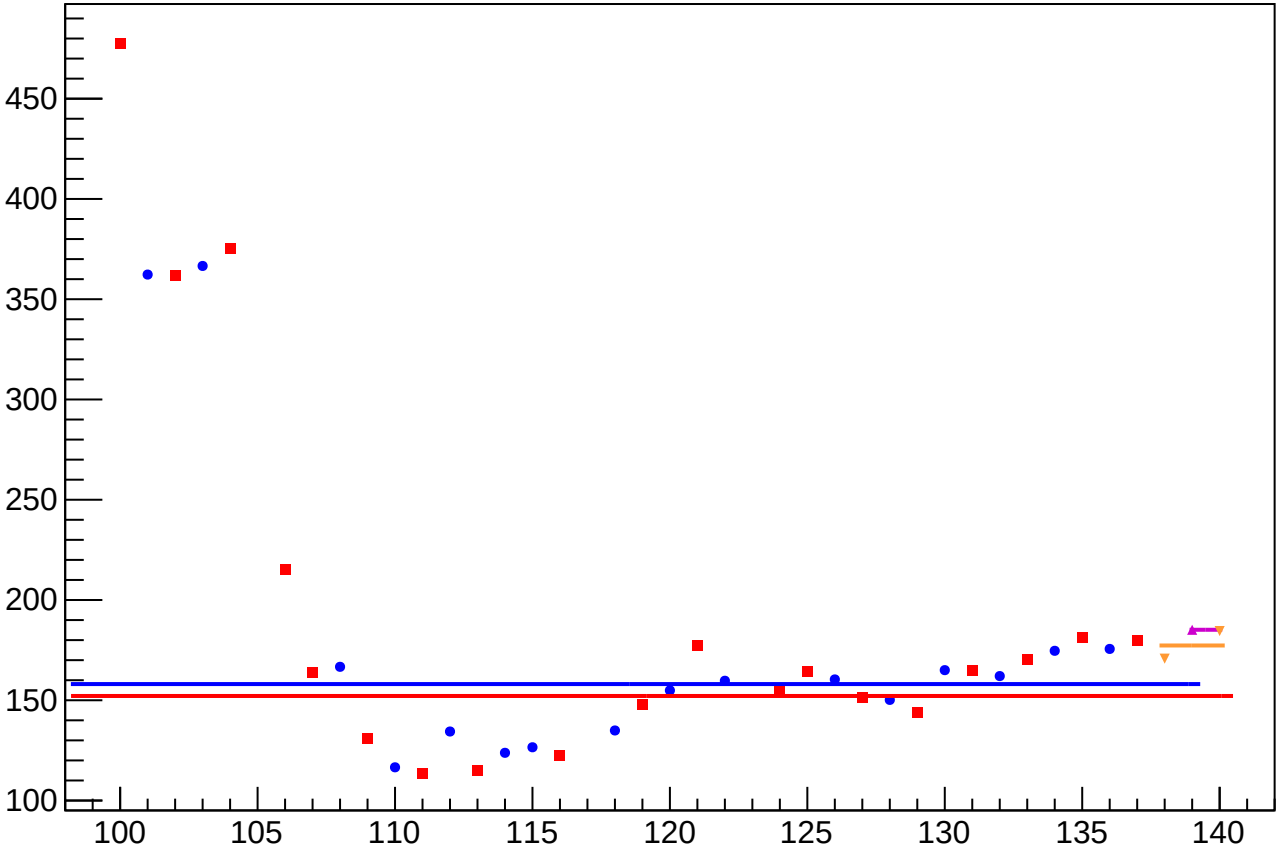
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 139732.168+/-0.060 χ^2/NDF:1687046166.9/16

Out: 139434.813+/-0.055 χ^2/NDF:1562426738.9/2

All: 139571.287+/-0.041 χ^2/NDF: 32628514

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 177.319+/-0.101 χ^2/NDF:4666.6/1

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 185.154+/-0.143 χ^2/NDF:0.0/0

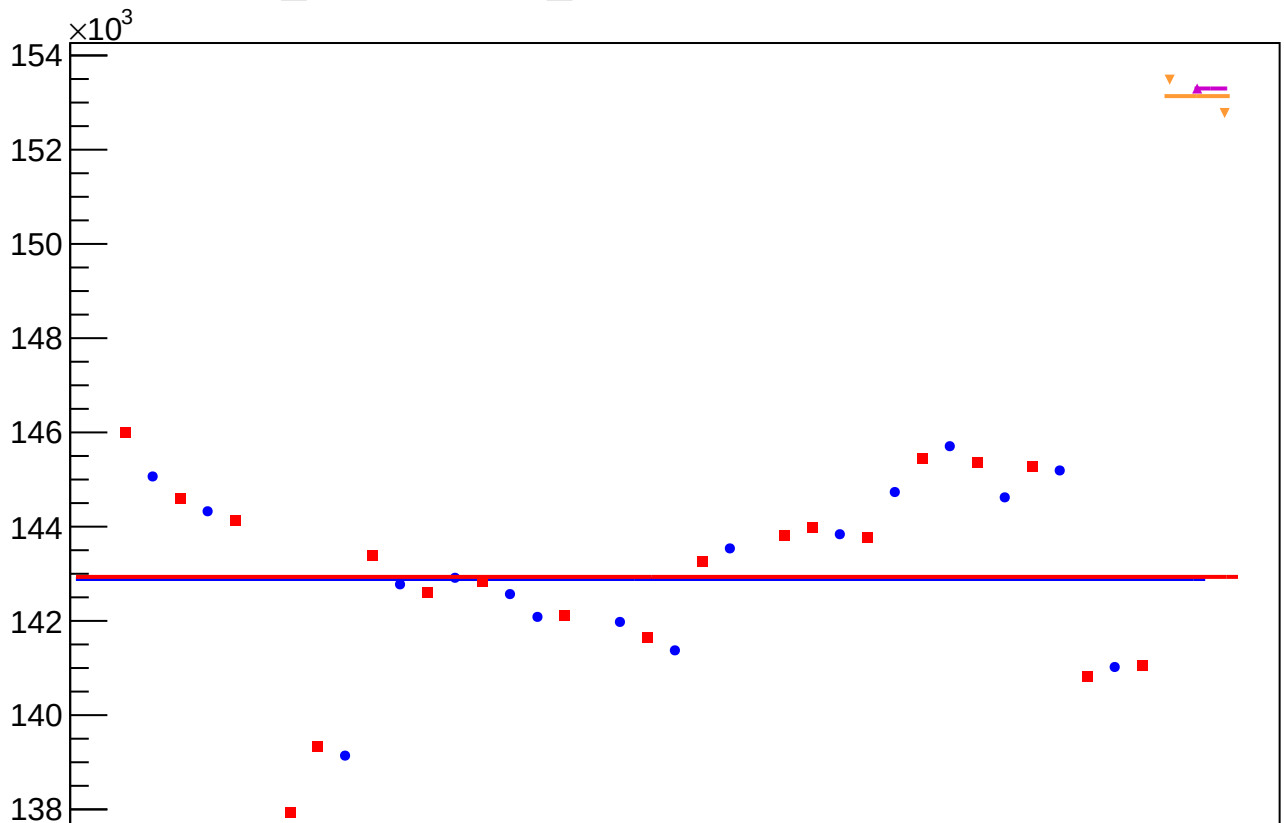
Left: 179.912+/-0.082 χ^2/NDF: 6671.4/2

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 160.442+/-0.042 χ^2/NDF:1050589.5/16

Out: 155.908+/-0.039 χ^2/NDF:1286926.7/20

All: 157.989+/-0.029 χ^2/NDF: 2343738.6/37



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 153136.882+/-0.151 χ^2/NDF:5518846.0/1

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 153298.731+/-0.209 χ^2/NDF:0.0/0

Left: 153192.035+/-0.122 χ^2/NDF: 5912603.5/2

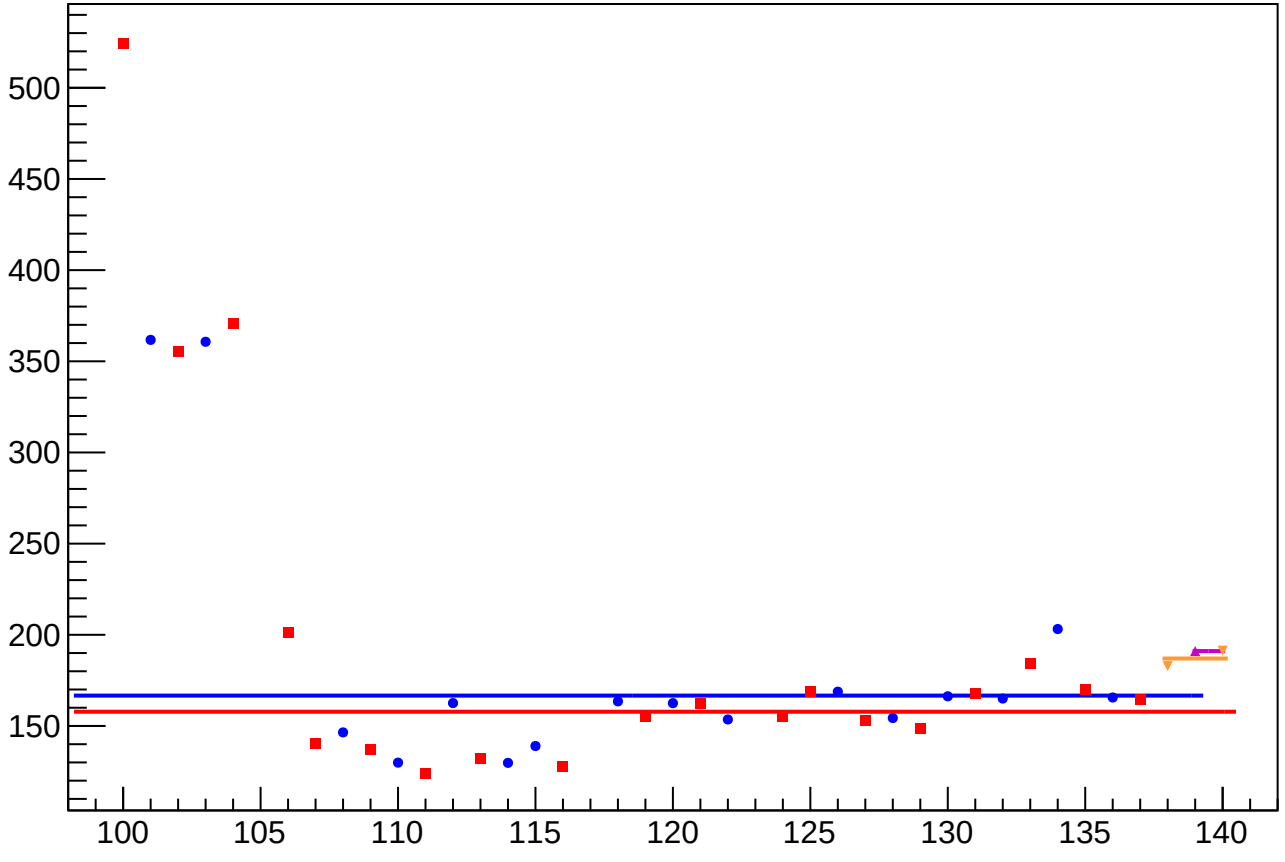
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 143821.719+/-0.063 χ^2/NDF:3012696746.4/16

Out: 144394.254+/-0.057 χ^2/NDF:4727675628.9/2

All: 144135.257+/-0.042 χ^2/NDF: 77860720

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 186.995+/-0.106 χ^2/NDF:1590.6/1

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 191.092+/-0.148 χ^2/NDF:0.0/0

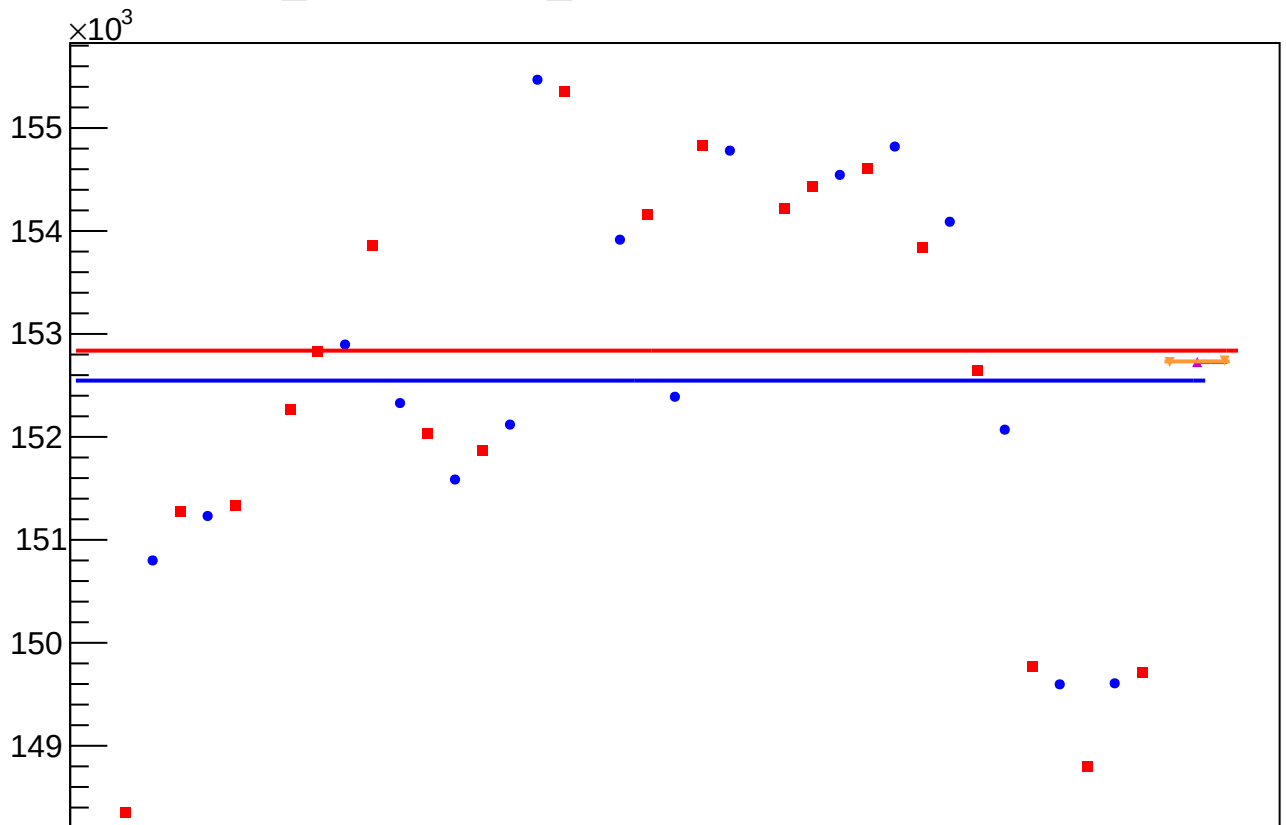
Left: 188.391+/-0.086 χ^2/NDF: 2095.2/2

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 168.845+/-0.044 χ^2/NDF:888366.0/16

Out: 161.986+/-0.040 χ^2/NDF:1088318.3/20

All: 165.089+/-0.030 χ^2/NDF: 1989800.6/37



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152733.369+/-0.146 χ^2/NDF:2592.6/1

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 152727.250+/-0.208 χ^2/NDF:0.0/0

Left: 152731.345+/-0.120 χ^2/NDF: 3171.1/2

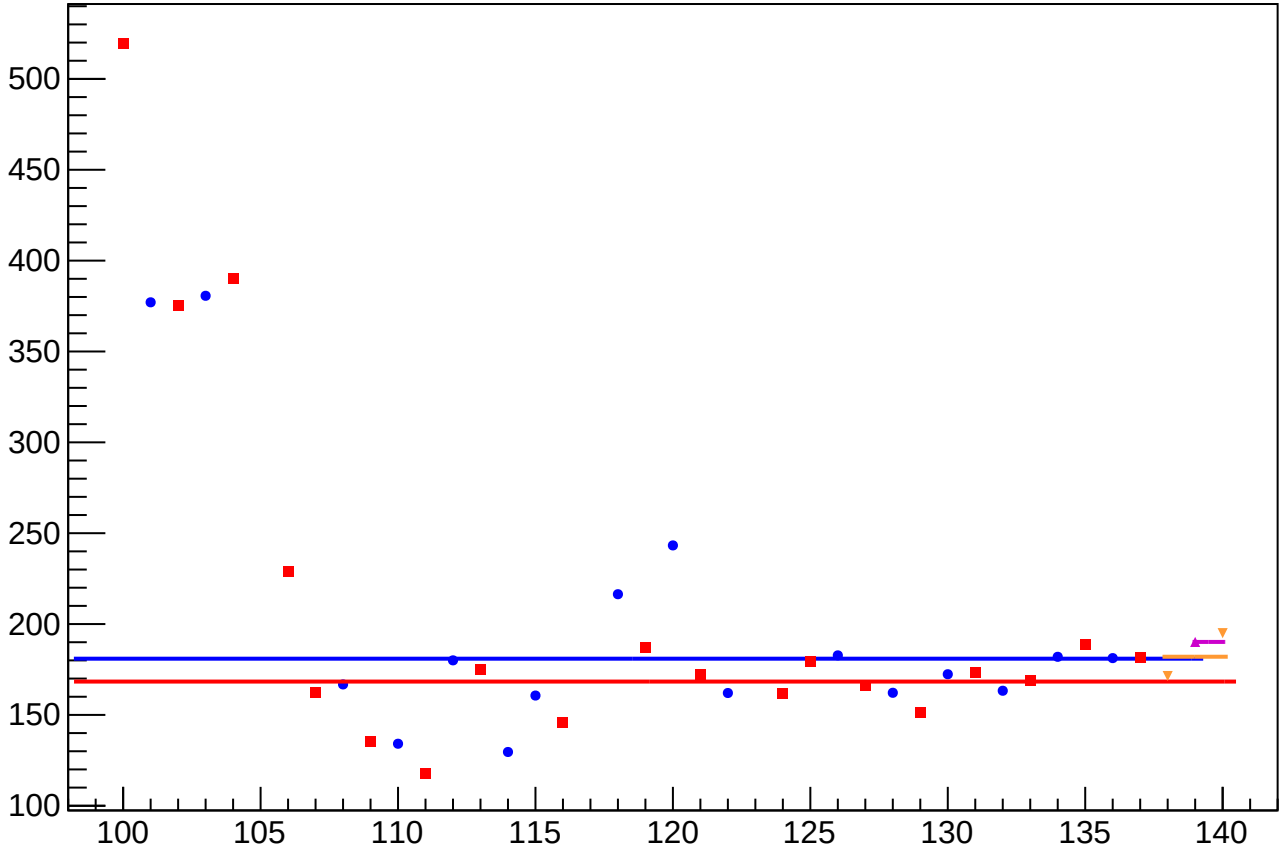
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152566.469+/-0.069 χ^2/NDF:655209907.9/16

Out: 152819.924+/-0.061 χ^2/NDF:737332205.5/20

All: 152708.636+/-0.045 χ^2/NDF: 140020732

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 182.018+/-0.103 χ^2/NDF:12872.4/1

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 190.165+/-0.147 χ^2/NDF:0.0/0

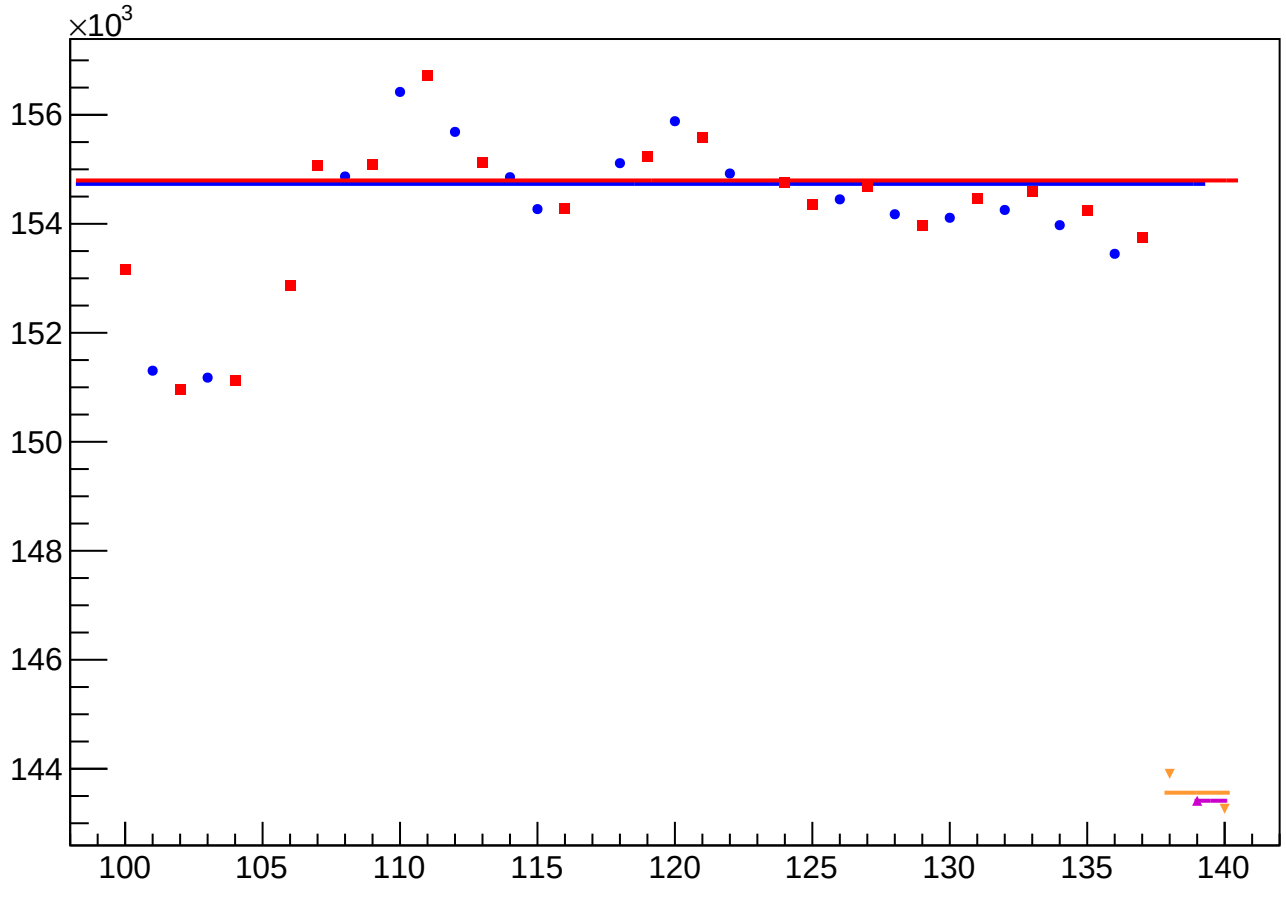
Left: 184.712+/-0.085 χ^2/NDF: 14923.3/2

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 181.940+/-0.048 χ^2/NDF:911261.7/16

Out: 170.698+/-0.043 χ^2/NDF:1116415.4/20

All: 175.634+/-0.032 χ^2/NDF: 2057833.4/37



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 143561.032+/-0.140 χ^2/NDF:5229815.1/1

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 143413.196+/-0.198 χ^2/NDF:0.0/0

Left: 143511.869+/-0.114 χ^2/NDF: 5602242.4/2

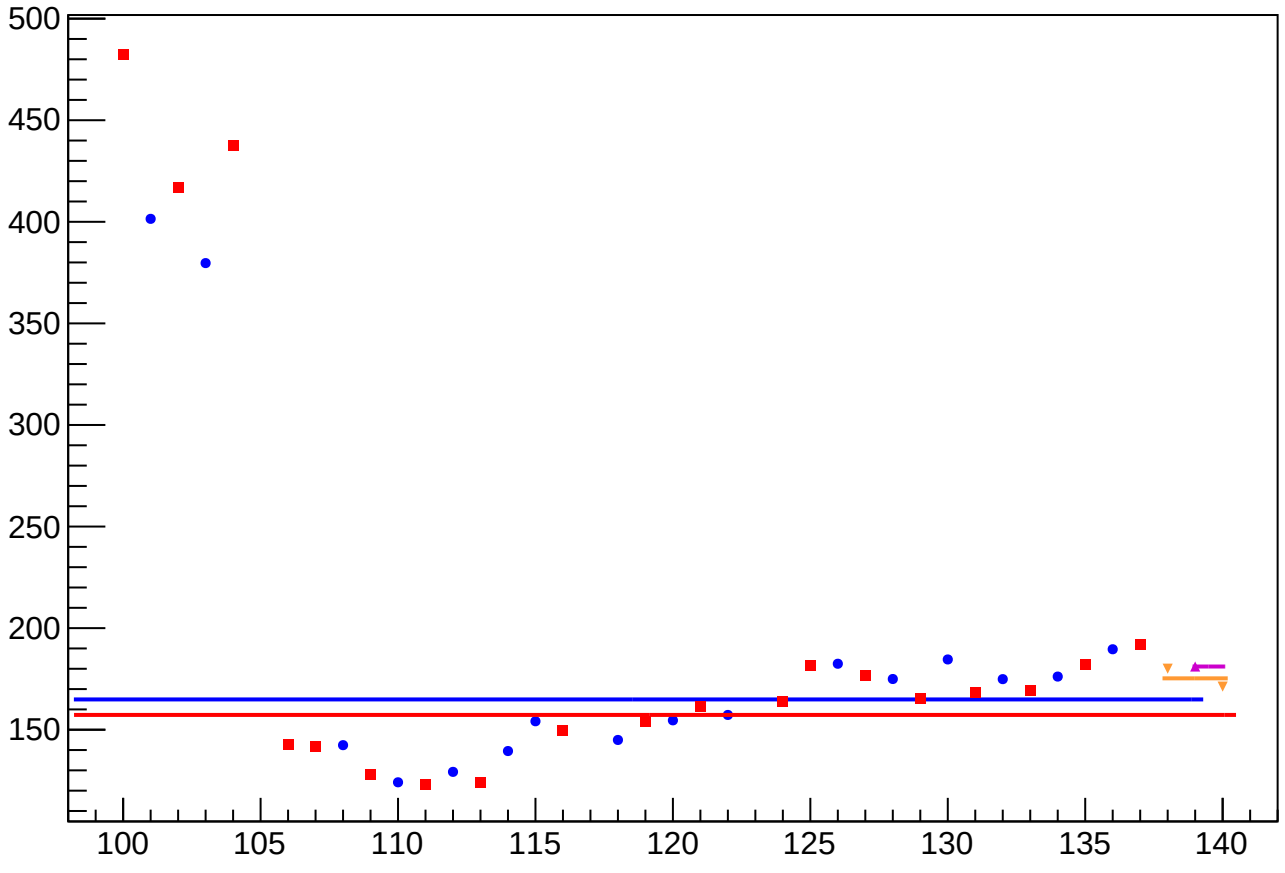
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 153625.004+/-0.062 χ^2/NDF:3225757321.8/16

Out: 152993.571+/-0.056 χ^2/NDF:5739555209.2/2

All: 153277.394+/-0.042 χ^2/NDF: 90225565

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 175.286+/-0.099 χ^2/NDF:1982.7/1

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 181.109+/-0.140 χ^2/NDF:0.0/0

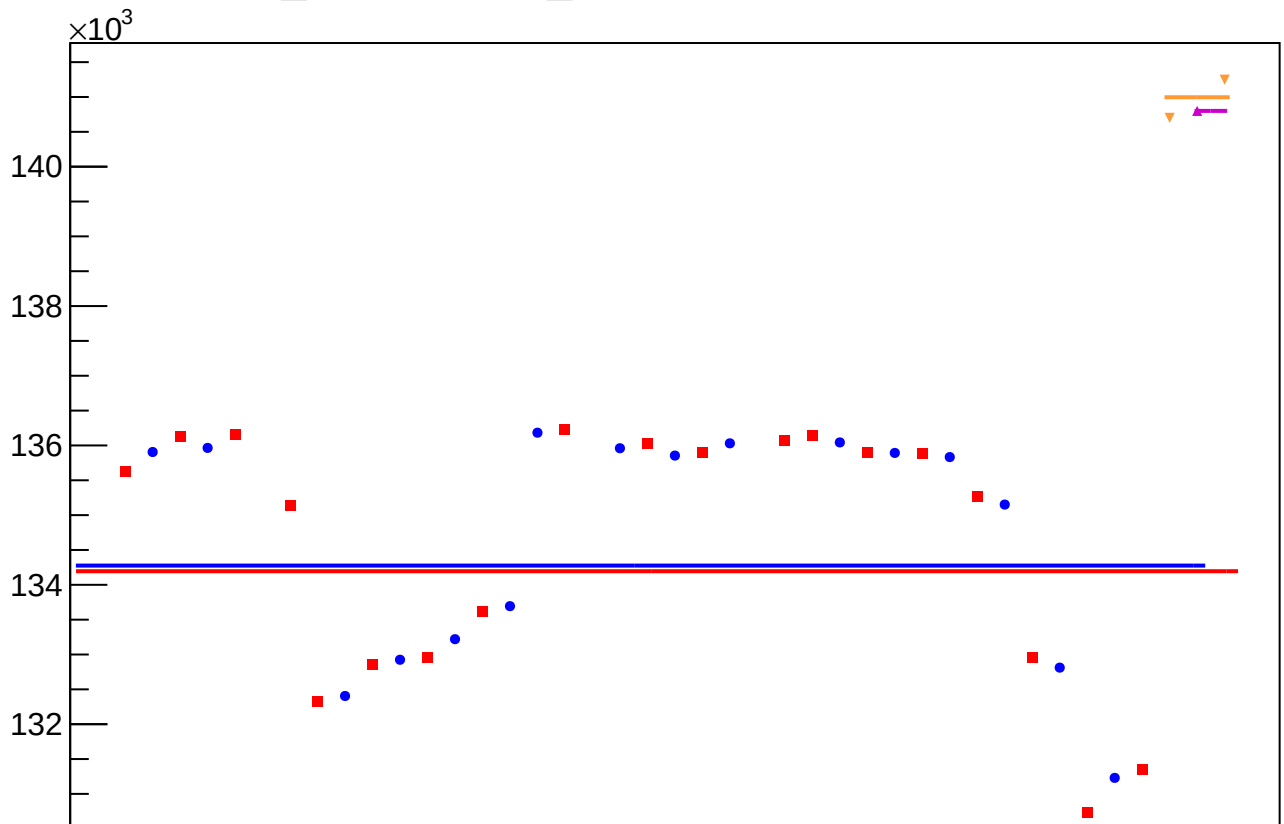
Left: 177.222+/-0.081 χ^2/NDF: 3138.2/2

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 166.493+/-0.044 χ^2/NDF:1084823.1/16

Out: 160.171+/-0.040 χ^2/NDF:1284700.8/20

All: 163.013+/-0.029 χ^2/NDF: 2380998.5/37



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 140996.133+/-0.136 χ^2/NDF:4051448.3/1

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 140800.418+/-0.193 χ^2/NDF:0.0/0

Left: 140931.442+/-0.111 χ^2/NDF: 4739502.0/2

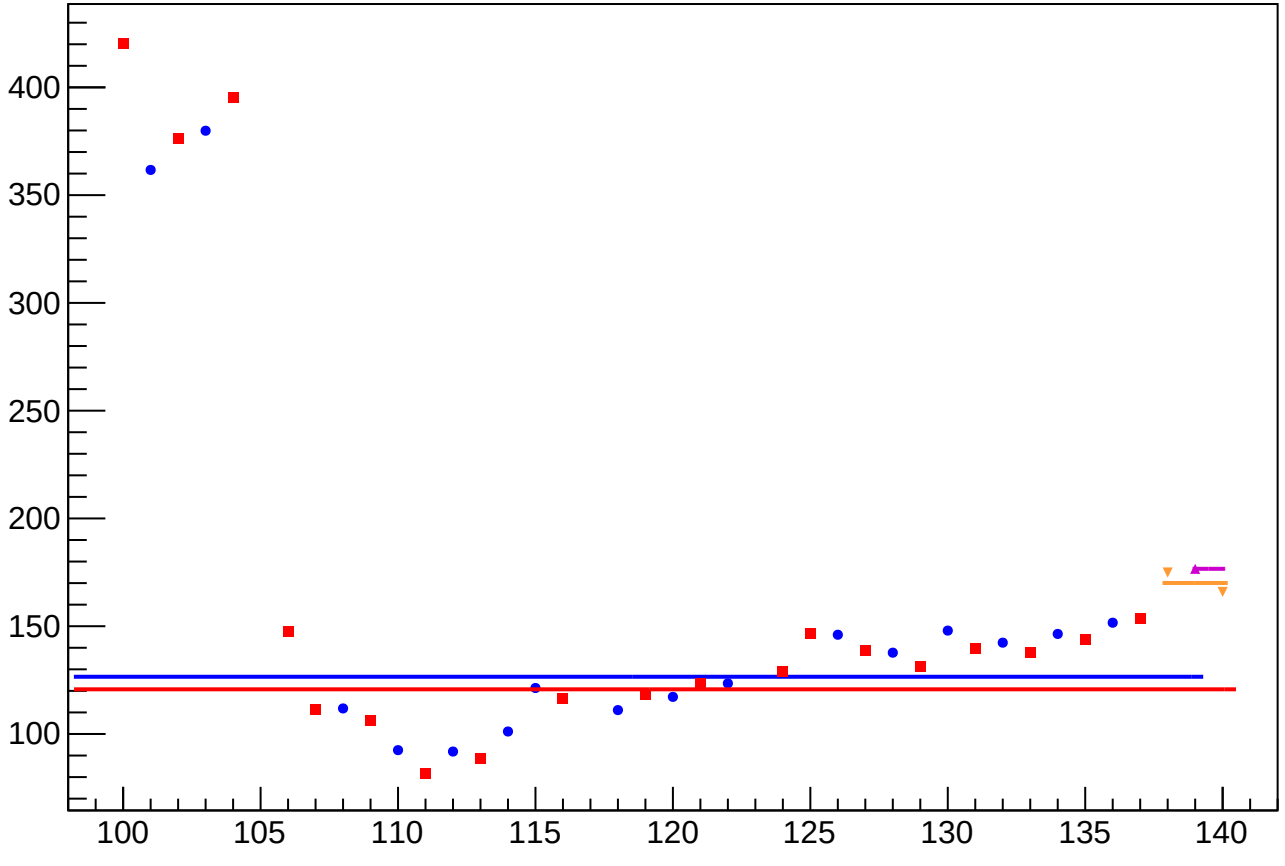
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 134698.995+/-0.049 χ^2/NDF:2210966922.2/16

Out: 134951.318+/-0.045 χ^2/NDF:3443702406.9/2

All: 134835.622+/-0.033 χ^2/NDF: 56689378

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 170.061+/-0.096 χ^2/NDF:2193.5/1

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 176.634+/-0.137 χ^2/NDF:0.0/0

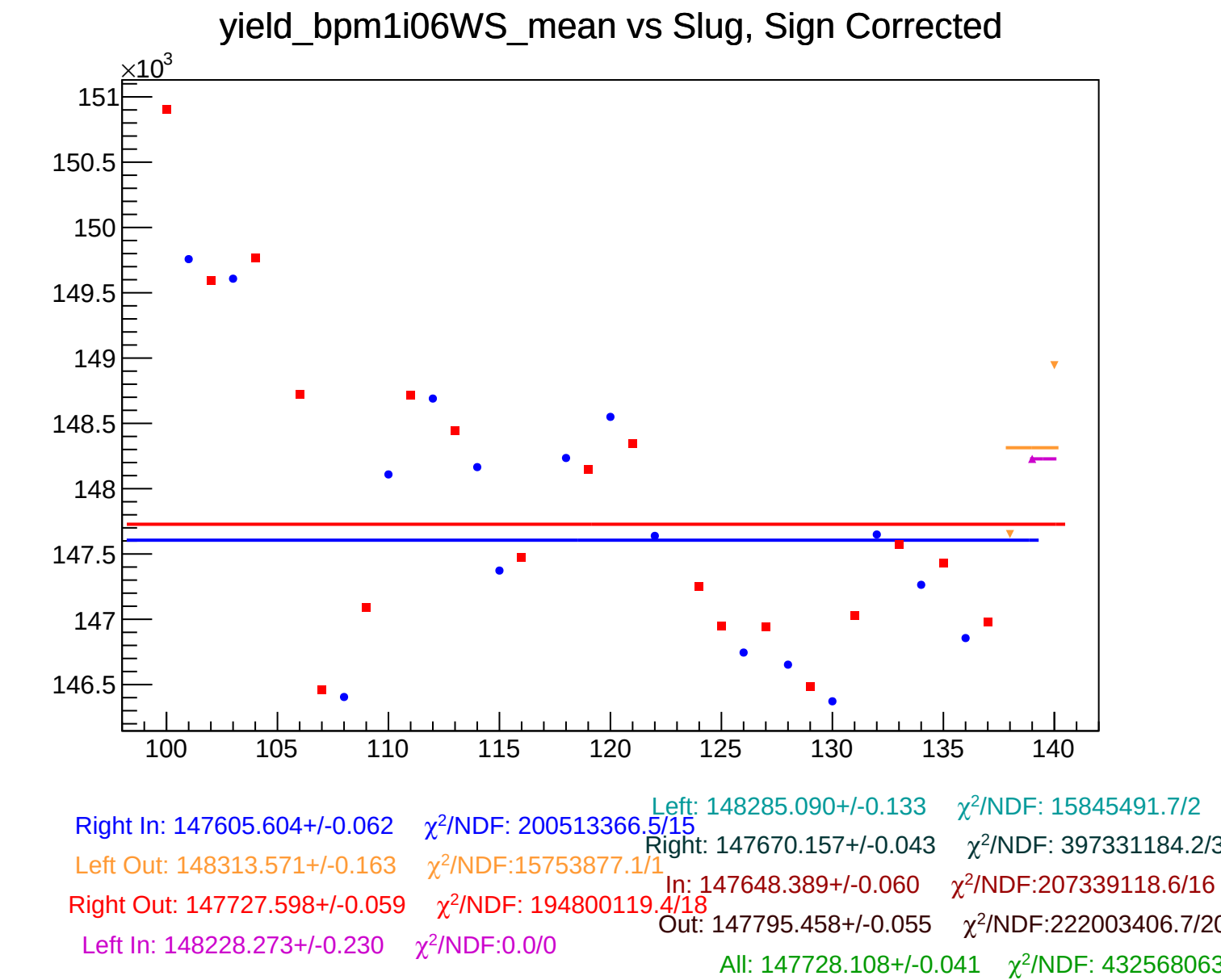
Left: 172.234+/-0.078 χ^2/NDF: 3745.4/2

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

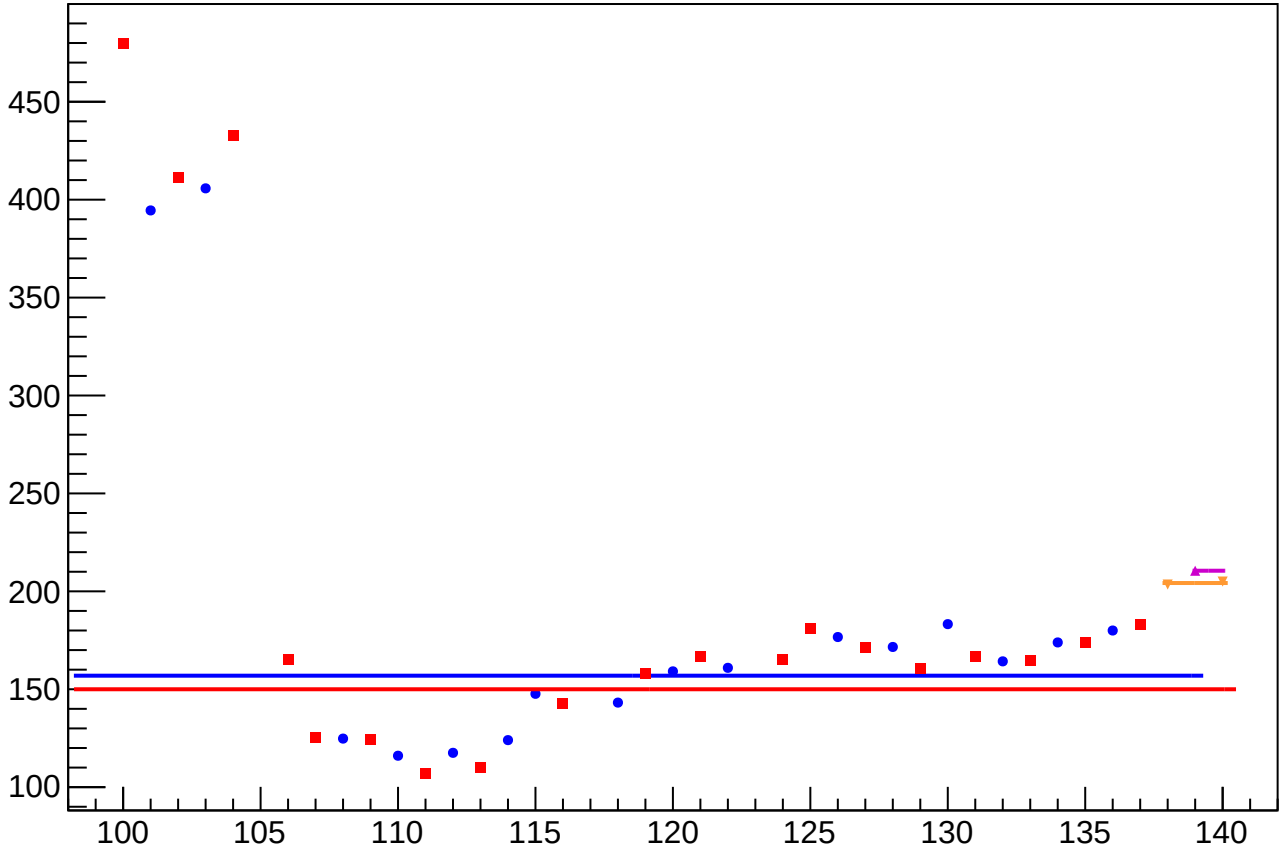
In: 129.797+/-0.035 χ^2/NDF:1603307.6/16

Out: 126.208+/-0.032 χ^2/NDF:1870084.5/20

All: 127.854+/-0.024 χ^2/NDF: 3479166.8/37


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×10^3
151
150.5
150
149.5
149
148.5
148
147.5
147
146.5
100
105
110
115
120
125
130
135
140
Right In: 147605.604+/-0.062 χ²/NDF: 200513366.5/15
Left Out: 148313.571+/-0.163 χ²/NDF:15753877.1/1
Right Out: 147727.598+/-0.059 χ²/NDF: 194800119.4/18
Left In: 148228.273+/-0.230 χ²/NDF:0.0/0
Left: 148285.090+/-0.133 χ²/NDF: 15845491.7/2
Right: 147670.157+/-0.043 χ²/NDF: 397331184.2/3
In: 147648.389+/-0.060 χ²/NDF:207339118.6/16
Out: 147795.458+/-0.055 χ²/NDF:222003406.7/20
All: 147728.108+/-0.041 χ²/NDF: 432568063

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 204.248+/-0.115 χ^2/NDF:43.4/1

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 210.525+/-0.163 χ^2/NDF:0.0/0

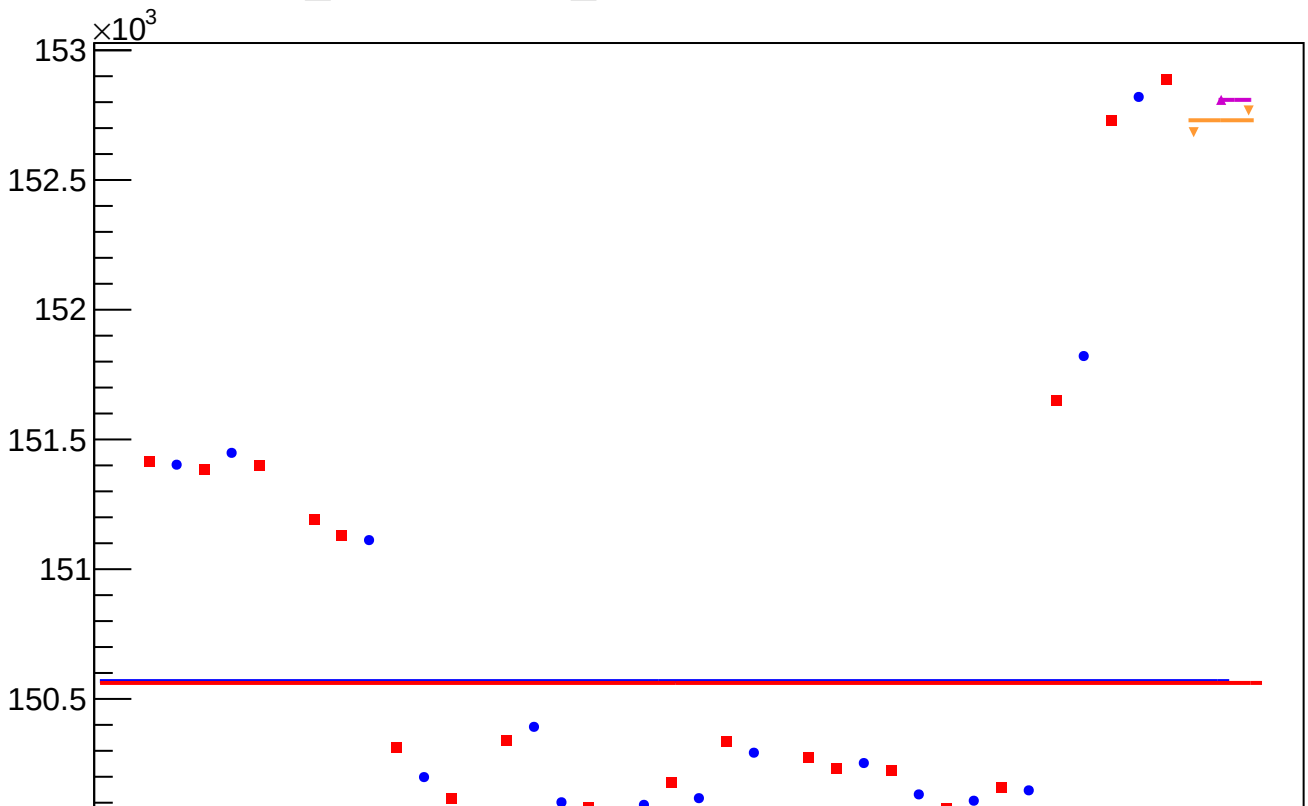
Left: 206.344+/-0.094 χ^2/NDF: 1035.6/2

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 160.610+/-0.043 χ^2/NDF:1366916.7/16

Out: 156.277+/-0.039 χ^2/NDF:1650272.3/20

All: 158.261+/-0.029 χ^2/NDF: 3022788.4/37



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152730.173+/-0.138 χ^2/NDF:91124.1/1

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 152808.830+/-0.197 χ^2/NDF:0.0/0

Left: 152756.130+/-0.113 χ^2/NDF: 197941.6/2

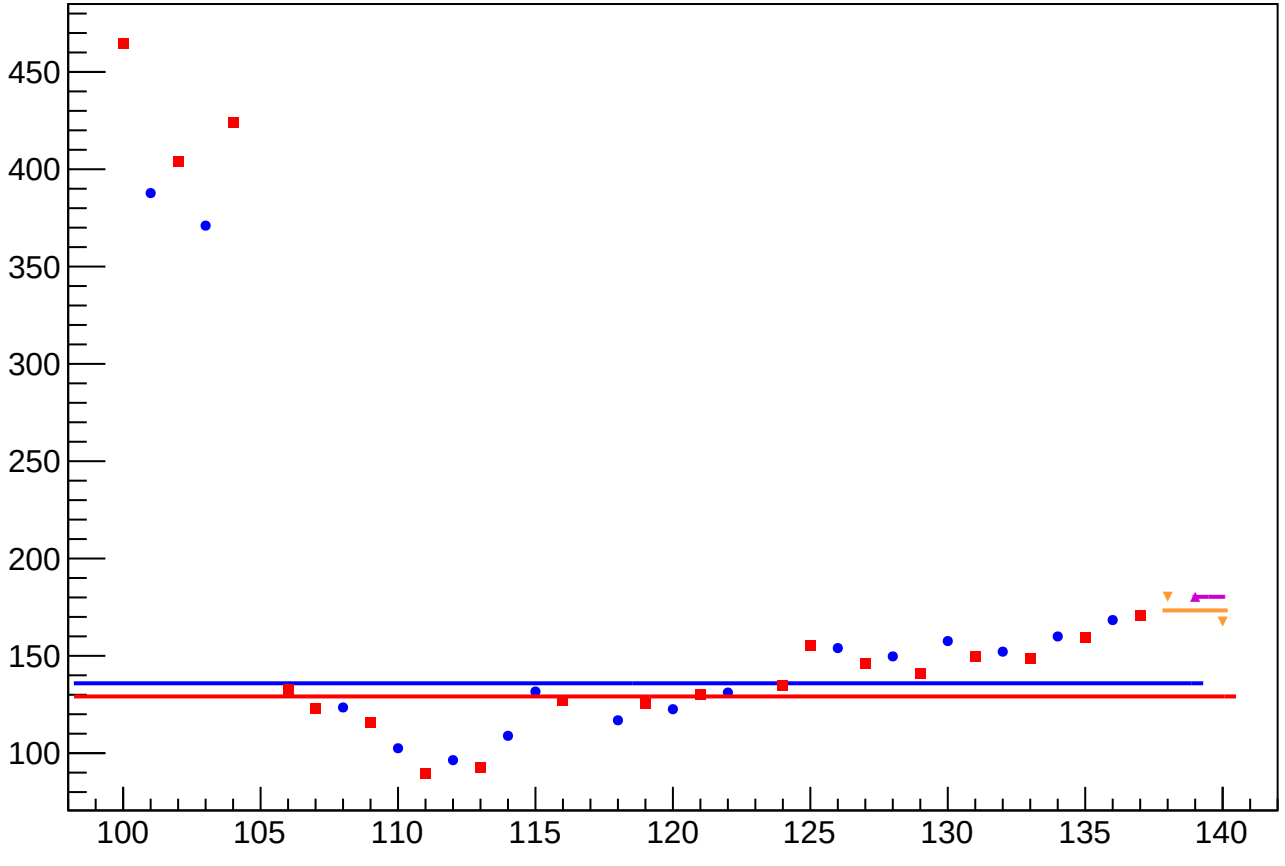
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 150728.511+/-0.053 χ^2/NDF:357244933.9/16

Out: 150821.225+/-0.048 χ^2/NDF:414163118.5/20

All: 150779.281+/-0.035 χ^2/NDF: 773107692

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 173.338+/-0.098 χ^2/NDF:4237.2/1

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.329+/-0.139 χ^2/NDF:0.0/0

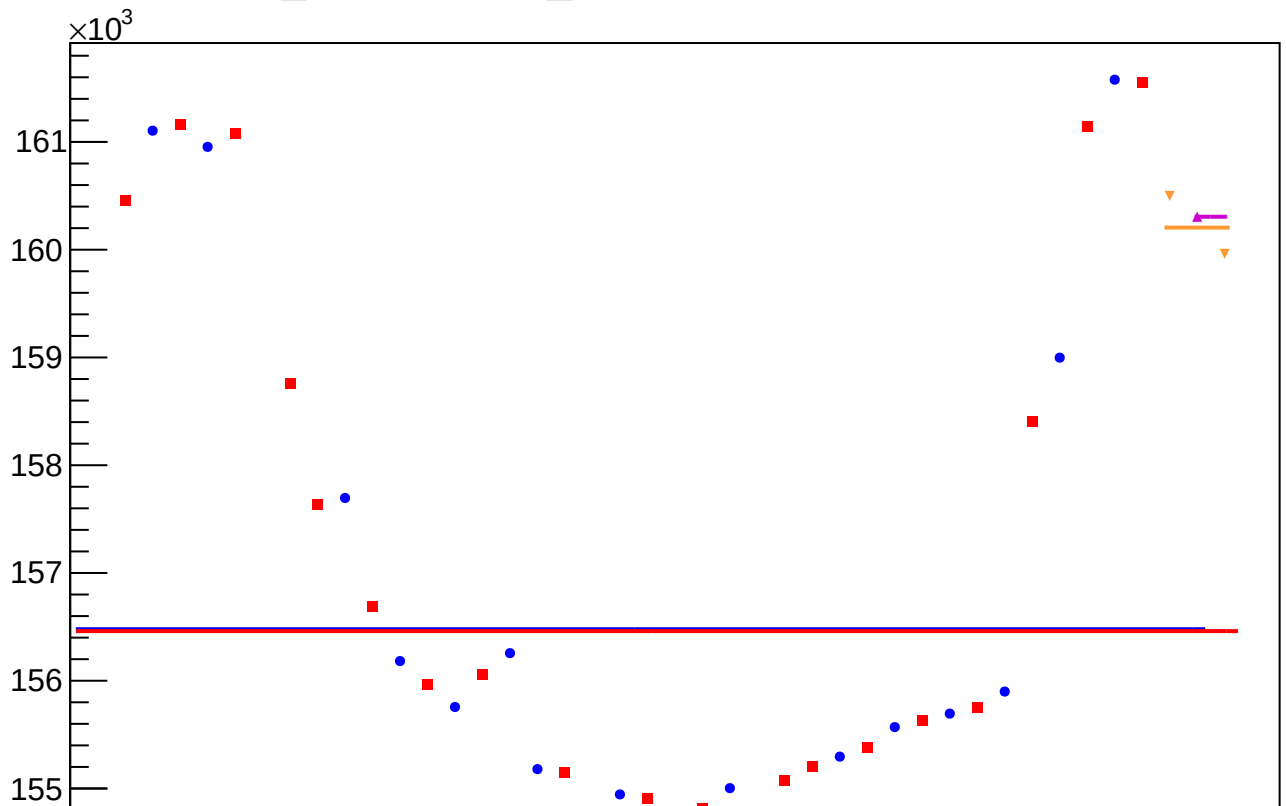
Left: 175.645+/-0.080 χ^2/NDF: 5924.8/2

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 139.067+/-0.037 χ^2/NDF:1510821.0/16

Out: 134.422+/-0.034 χ^2/NDF:1798559.1/20

All: 136.524+/-0.025 χ^2/NDF: 3317911.9/37



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 160205.220+/-0.143 χ^2/NDF:3477374.6/1

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 160305.781+/-0.203 χ^2/NDF:0.0/0

Left: 160238.701+/-0.117 χ^2/NDF: 3640914.5/2

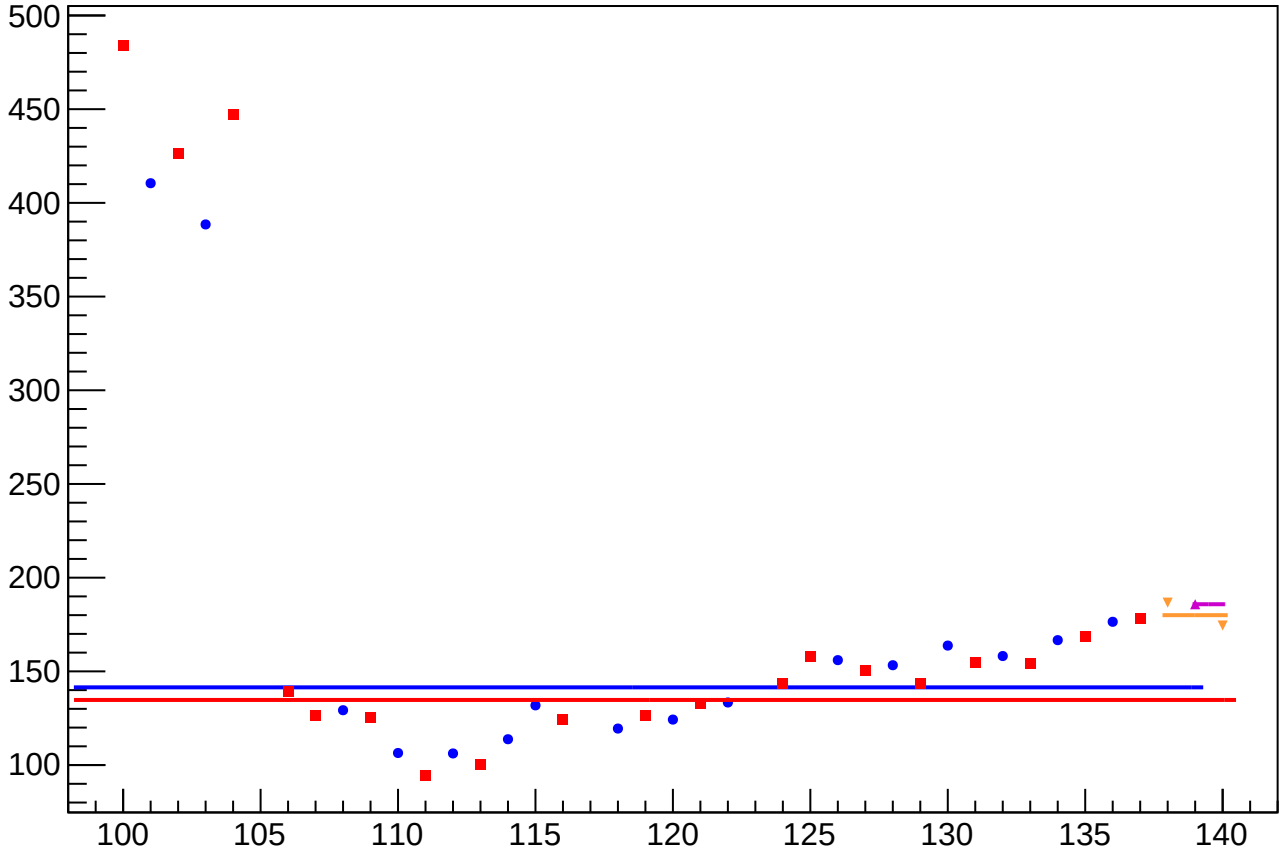
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 156756.103+/-0.055 χ^2/NDF:1618837923.1/16

Out: 156912.026+/-0.050 χ^2/NDF:1703012793.0/2

All: 156841.347+/-0.037 χ^2/NDF: 33262907

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 179.989+/-0.101 χ^2/NDF:3585.1/1

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 185.823+/-0.144 χ^2/NDF:0.0/0

Left: 181.932+/-0.083 χ^2/NDF: 4685.9/2

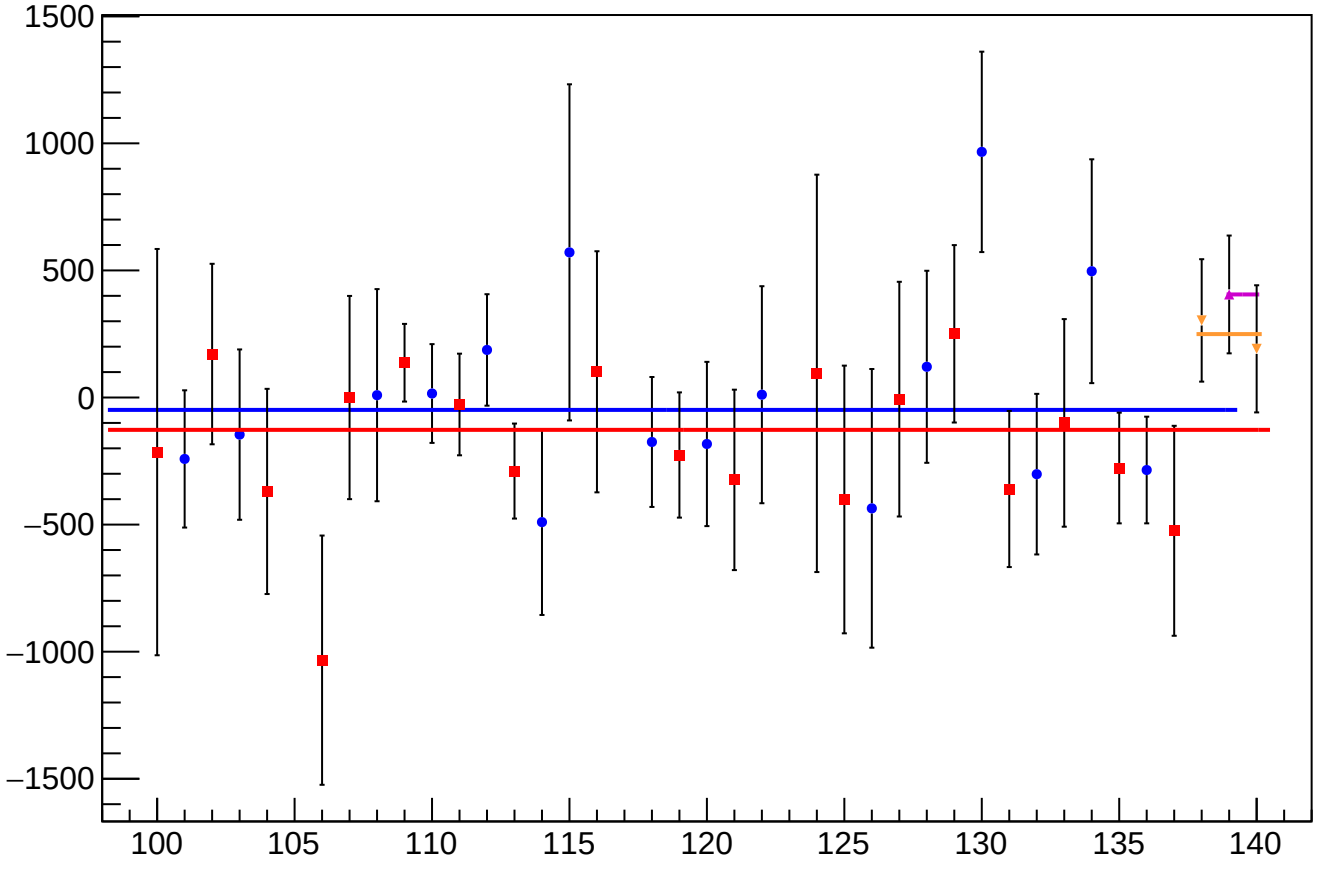
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 144.689+/-0.039 χ^2/NDF:1480397.1/16

Out: 140.200+/-0.035 χ^2/NDF:1757500.6/20

All: 142.235+/-0.026 χ^2/NDF: 3245256.6/37

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 249.511+/-173.485 χ^2/NDF:0.1/1

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 405.486+/-231.724 χ^2/NDF:0.0/0

Left: 305.535+/-138.876 χ^2/NDF: 0.4/2

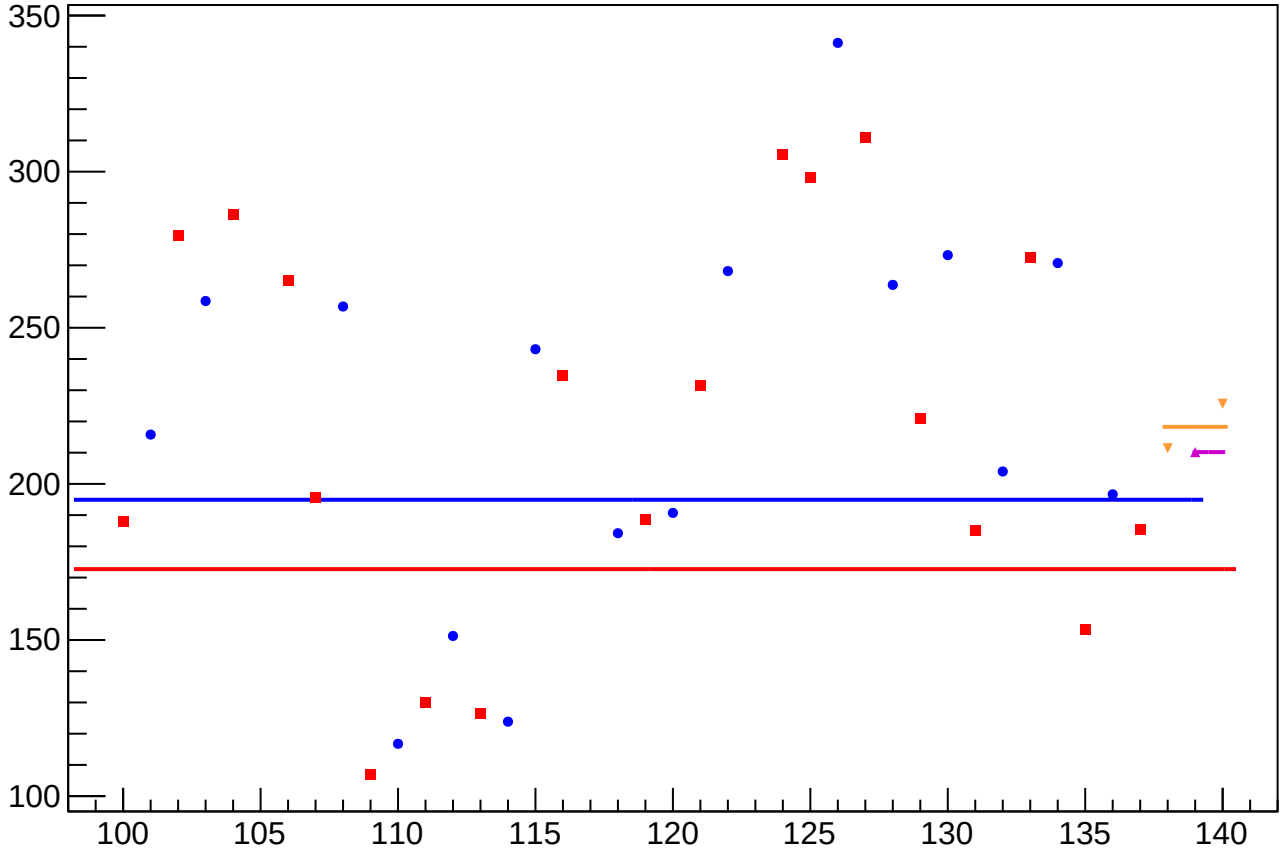
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: -4.011+/-72.722 χ^2/NDF:18.9/16

Out: -76.425+/-63.718 χ^2/NDF:17.0/20

All: -44.976+/-47.925 χ^2/NDF: 36.5/37

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 218.271+/-0.123 χ^2/NDF:3368.3/1

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 210.182+/-0.164 χ^2/NDF:0.0/0

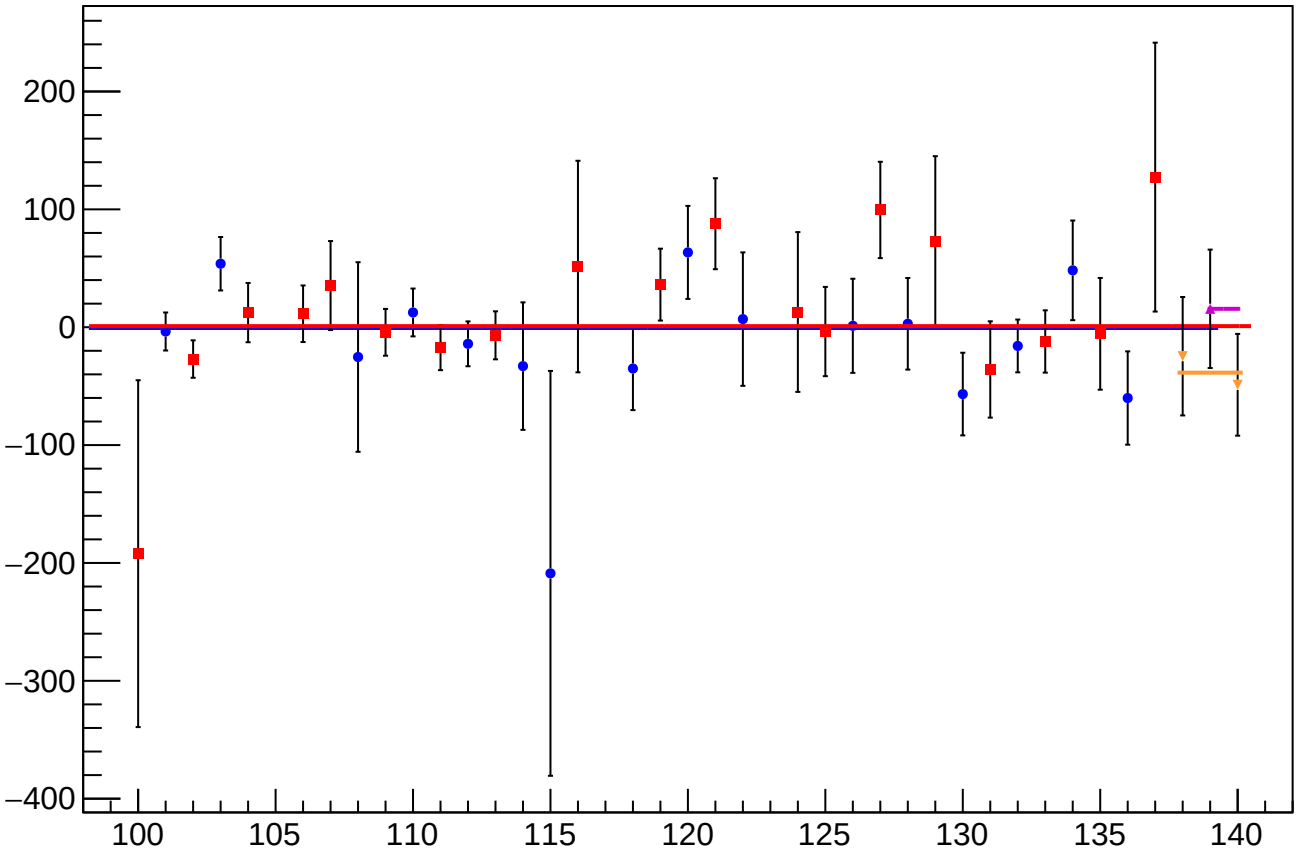
Left: 215.366+/-0.098 χ^2/NDF: 4930.2/2

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 196.425+/-0.051 χ^2/NDF:1036719.5/16

Out: 178.851+/-0.045 χ^2/NDF:1754084.3/20

All: 186.483+/-0.034 χ^2/NDF: 2856883.1/37



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -38.547+/-32.747 χ^2/NDF:0.1/1

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 15.620+/-50.227 χ^2/NDF:0.0/0

Left: -22.390+/-27.432 χ^2/NDF: 1.0/2

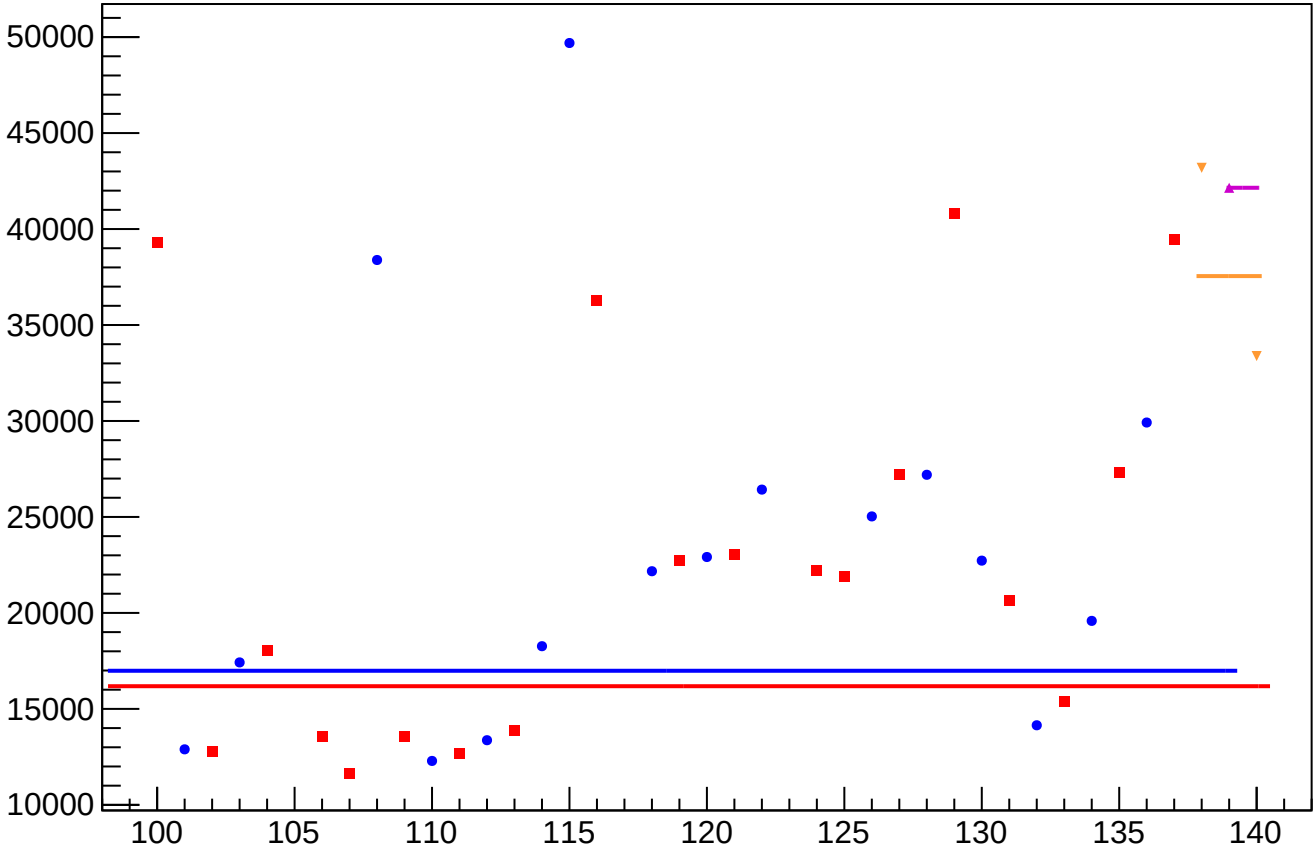
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: -0.284+/-7.263 χ^2/NDF:19.0/16

Out: -0.679+/-6.627 χ^2/NDF:24.6/20

All: -0.500+/-4.895 χ^2/NDF: 43.6/37

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 37548.099+/-23.156 χ^2/NDF:43829.8/1

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 42149.921+/-35.516 χ^2/NDF:0.0/0

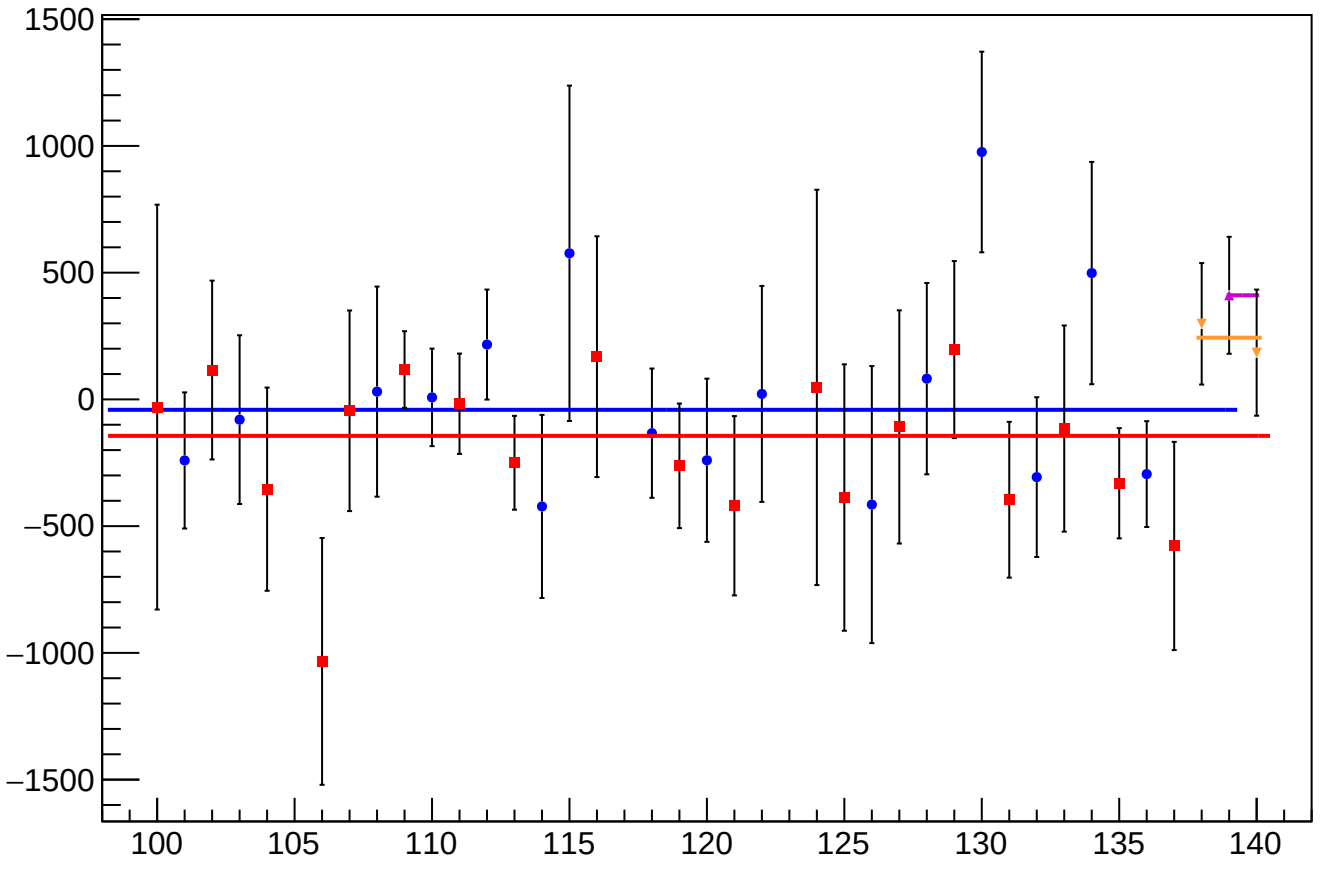
Left: 38920.763+/-19.397 χ^2/NDF: 55610.5/2

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 17512.589+/-5.136 χ^2/NDF:1685587.4/16

Out: 17056.928+/-4.686 χ^2/NDF:2111850.1/20

All: 17263.934+/-3.462 χ^2/NDF: 3801733.0/3



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 243.440+/-172.603 χ^2/NDF:0.1/1

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 410.703+/-230.708 χ^2/NDF:0.0/0

Left: 303.464+/-138.205 χ^2/NDF: 0.4/2

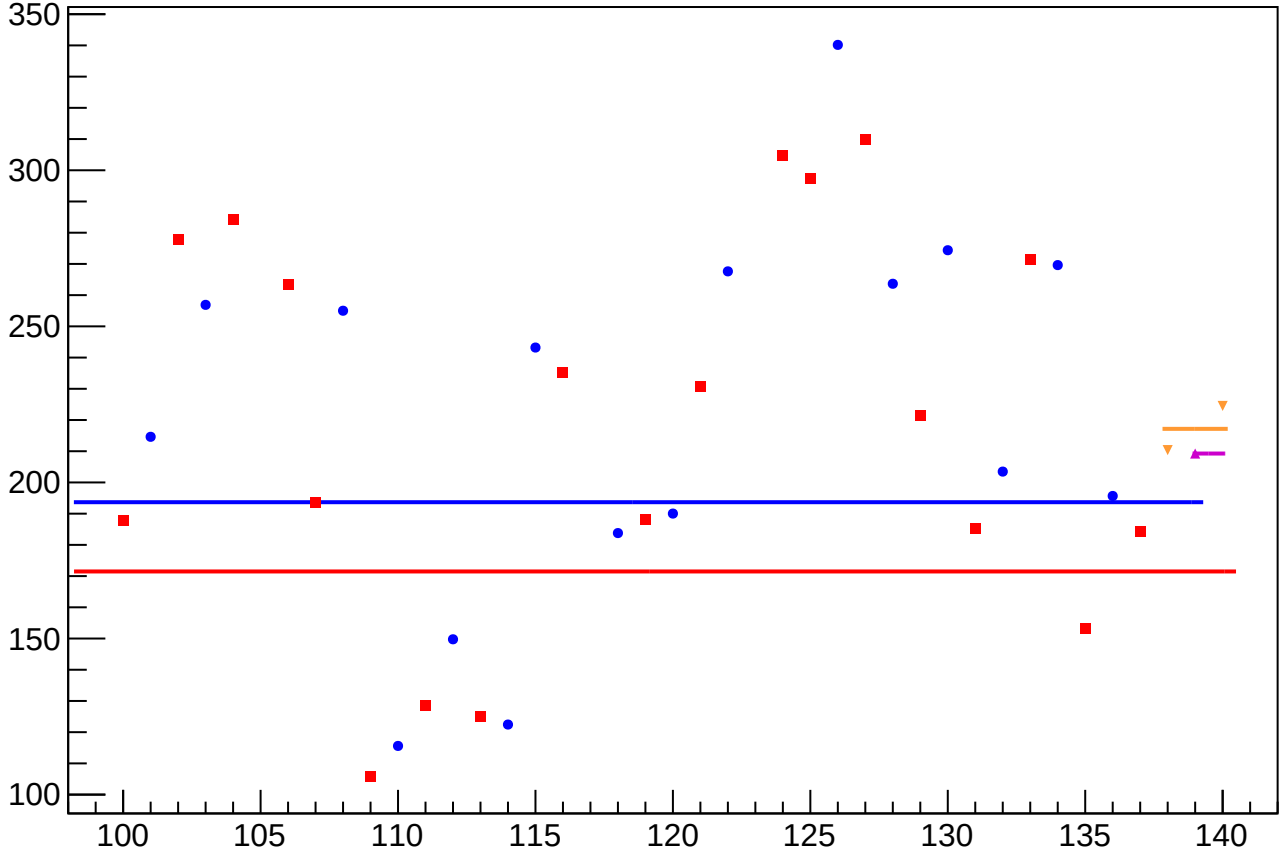
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 3.341+/-72.318 χ^2/NDF:18.9/16

Out: -91.683+/-63.332 χ^2/NDF:17.5/20

All: -50.439+/-47.645 χ^2/NDF: 37.4/37

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 217.167+/-0.122 χ^2/NDF:3356.4/1

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 209.257+/-0.163 χ^2/NDF:0.0/0

Left: 214.328+/-0.098 χ^2/NDF: 4863.5/2

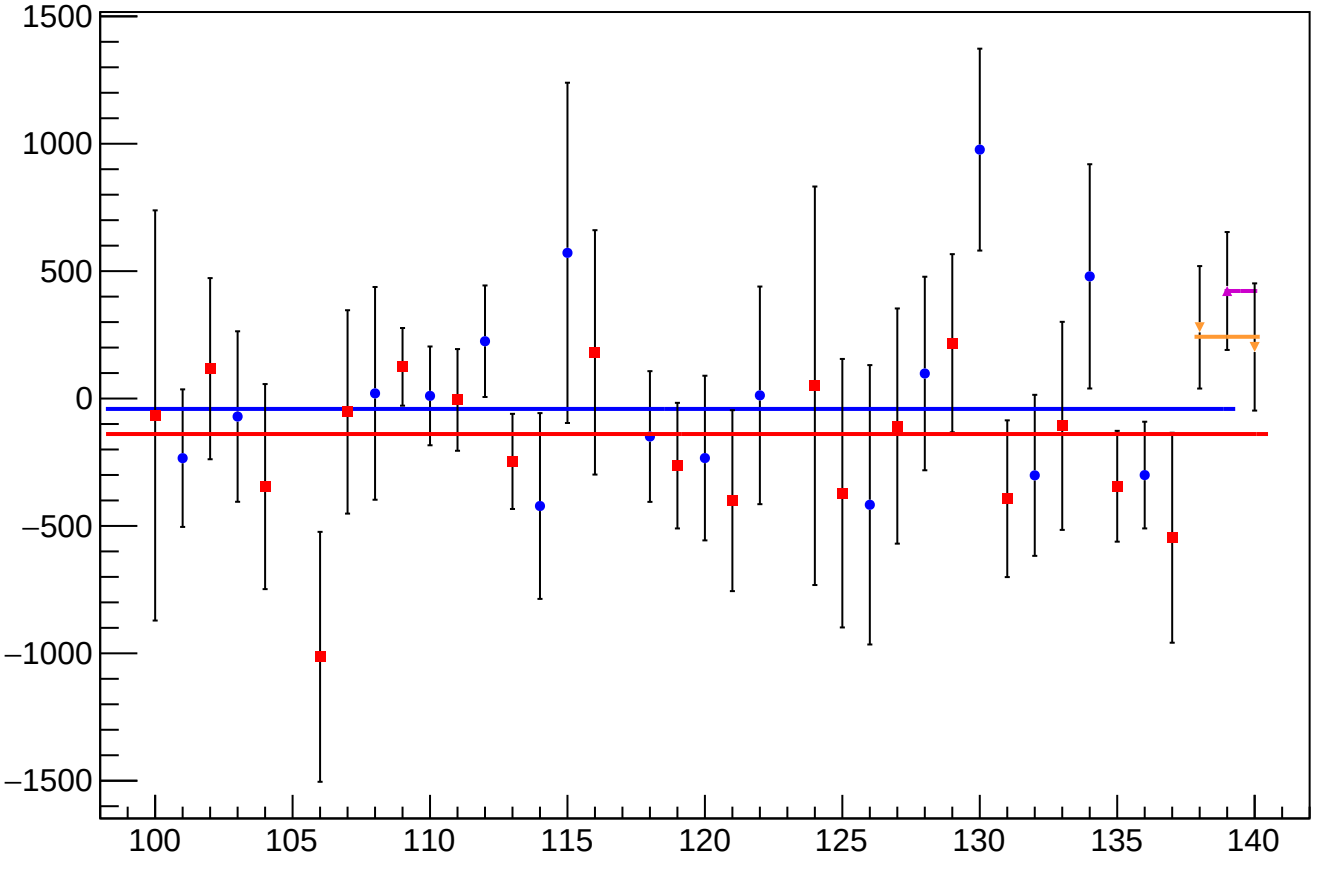
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 195.202+/-0.051 χ^2/NDF:1058004.3/16

Out: 177.634+/-0.045 χ^2/NDF:1777585.9/20

All: 185.259+/-0.034 χ^2/NDF: 2902386.4/37

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 242.385+/-173.141 χ^2/NDF:0.0/1

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 422.078+/-231.404 χ^2/NDF:0.0/0

Left: 306.877+/-138.631 χ^2/NDF: 0.4/2

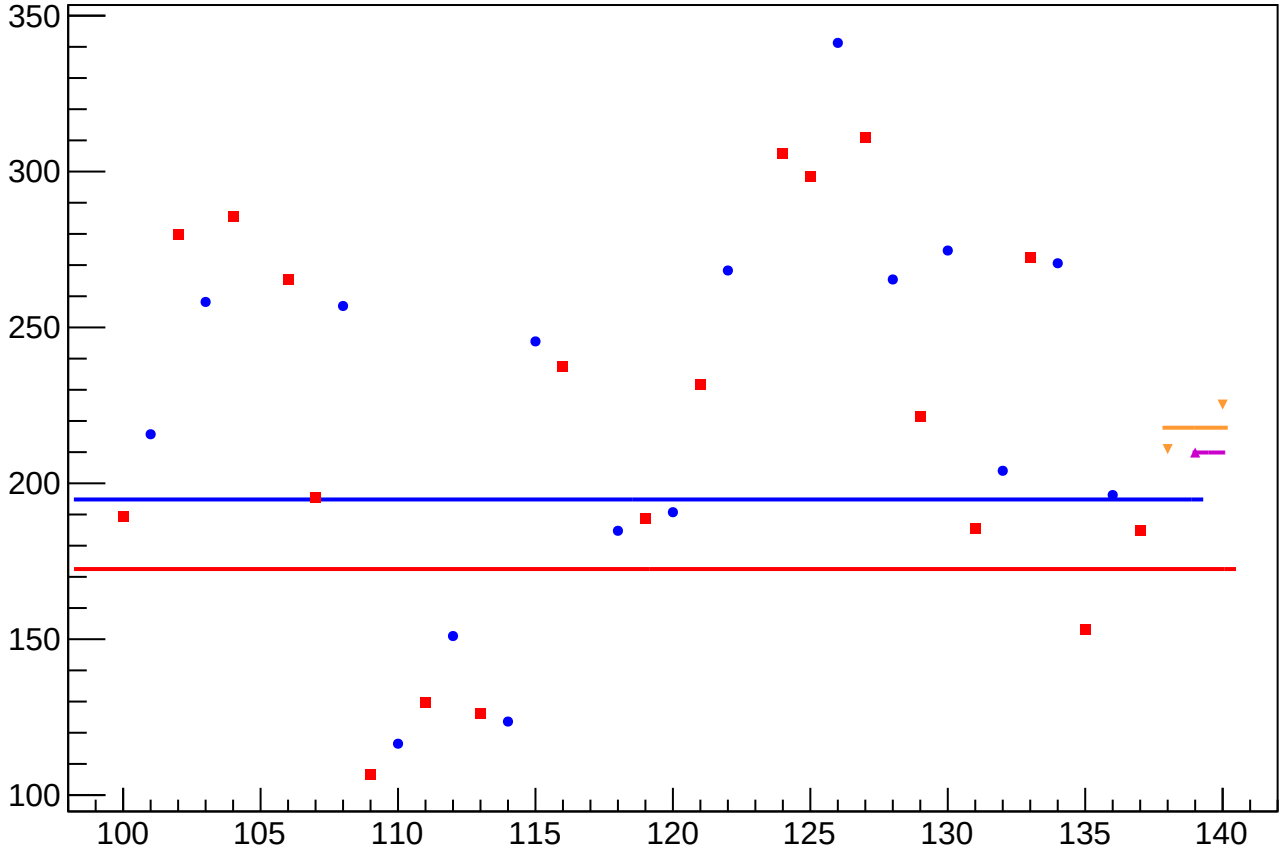
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 4.891+/-72.701 χ^2/NDF:19.0/16

Out: -87.689+/-63.664 χ^2/NDF:17.1/20

All: -47.508+/-47.895 χ^2/NDF: 37.0/37

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 217.839+/-0.122 χ^2/NDF:3392.3/1

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 209.886+/-0.164 χ^2/NDF:0.0/0

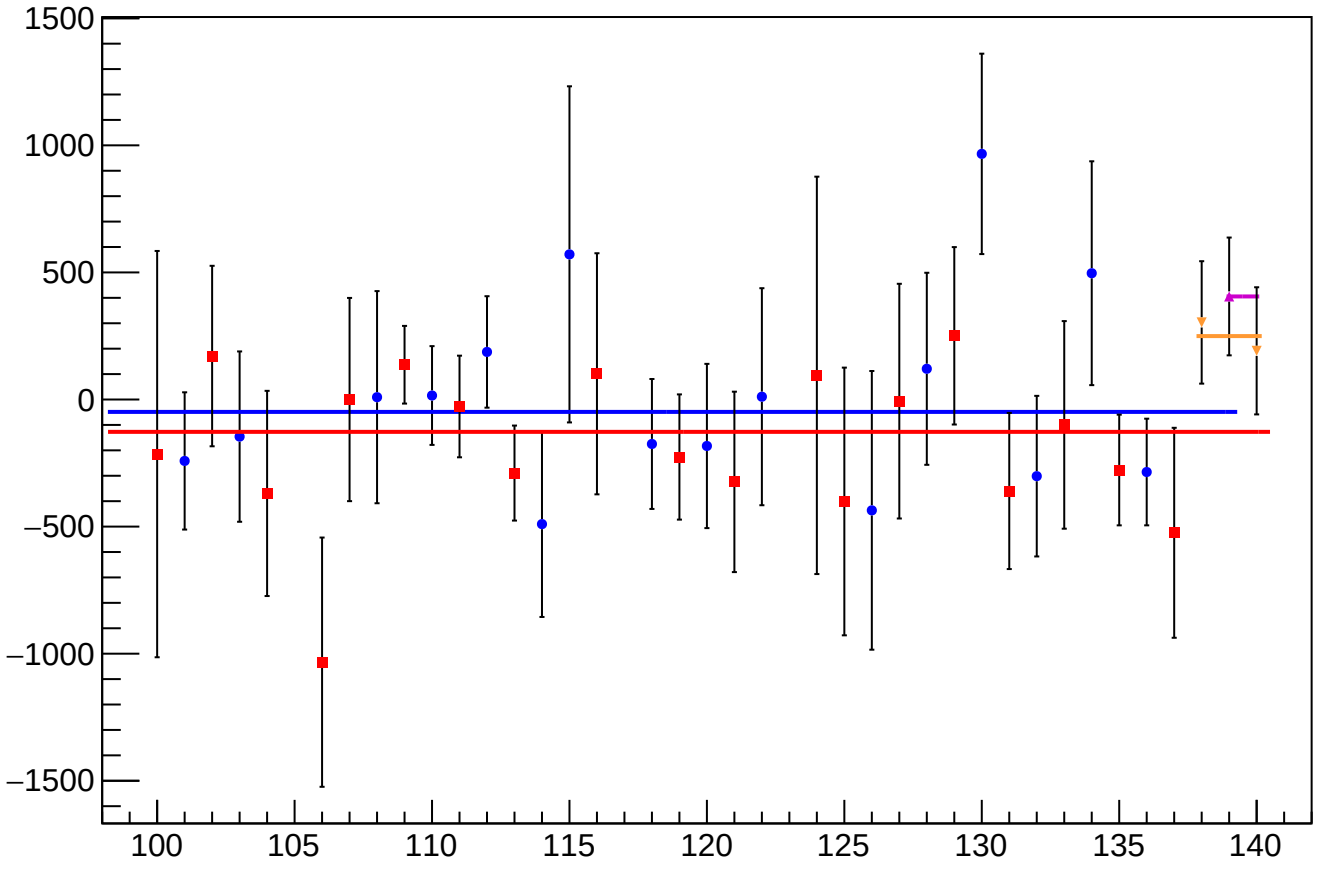
Left: 214.985+/-0.098 χ^2/NDF: 4906.9/2

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 196.307+/-0.051 χ^2/NDF:1046738.5/16

Out: 178.636+/-0.045 χ^2/NDF:1764019.8/20

All: 186.305+/-0.034 χ^2/NDF: 2877634.1/37



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 249.511+/-173.485 χ^2/NDF:0.1/1

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 405.486+/-231.724 χ^2/NDF:0.0/0

Left: 305.535+/-138.876 χ^2/NDF: 0.4/2

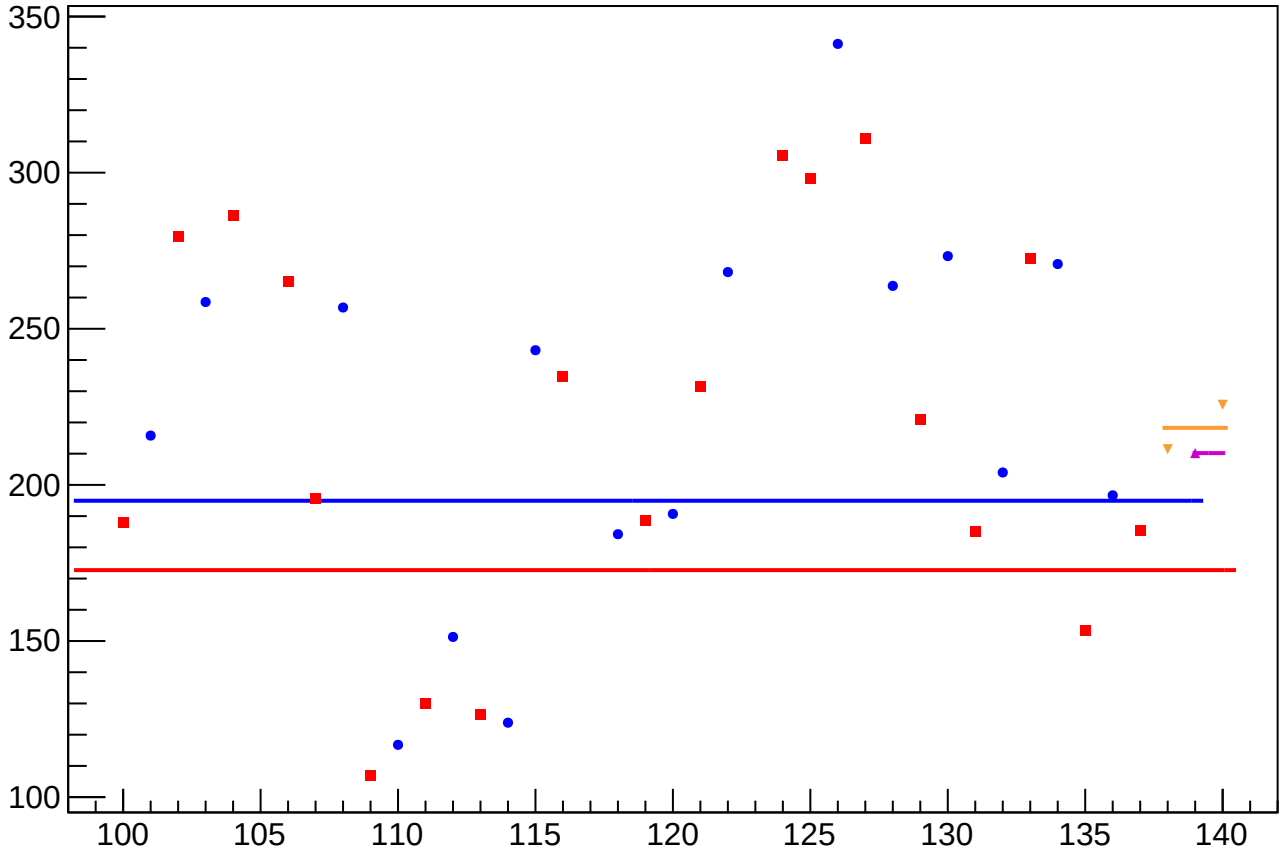
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: -4.011+/-72.722 χ^2/NDF:18.9/16

Out: -76.425+/-63.718 χ^2/NDF:17.0/20

All: -44.976+/-47.925 χ^2/NDF: 36.5/37

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 218.271+/-0.123 χ^2/NDF:3368.3/1

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 210.182+/-0.164 χ^2/NDF:0.0/0

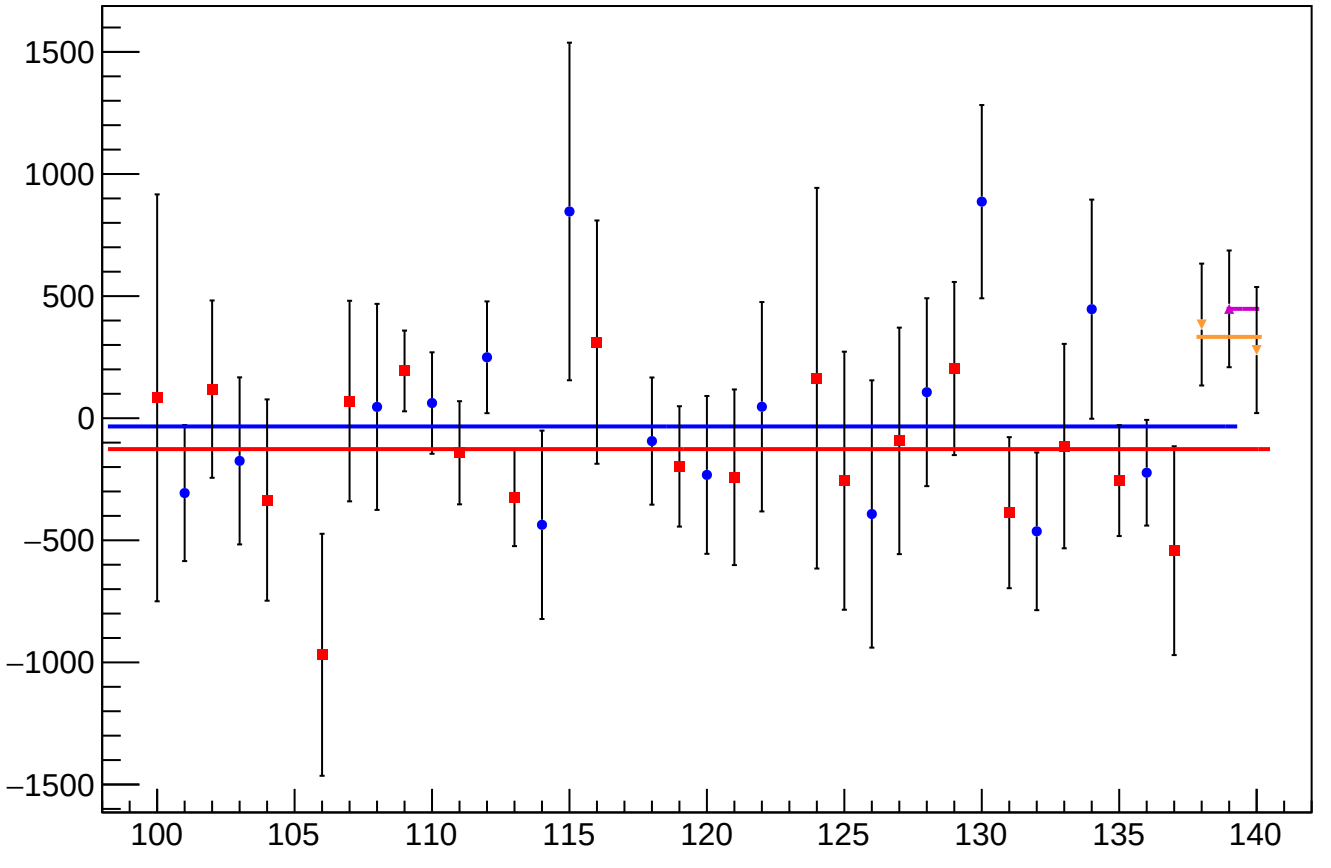
Left: 215.366+/-0.098 χ^2/NDF: 4930.2/2

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 196.425+/-0.051 χ^2/NDF:1036719.5/16

Out: 178.851+/-0.045 χ^2/NDF:1754084.3/20

All: 186.483+/-0.034 χ^2/NDF: 2856883.1/37



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 333.044+/-179.418 χ^2/NDF:0.1/1

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 447.840+/-239.009 χ^2/NDF:0.0/0

Left: 374.418+/-143.488 χ^2/NDF: 0.2/2

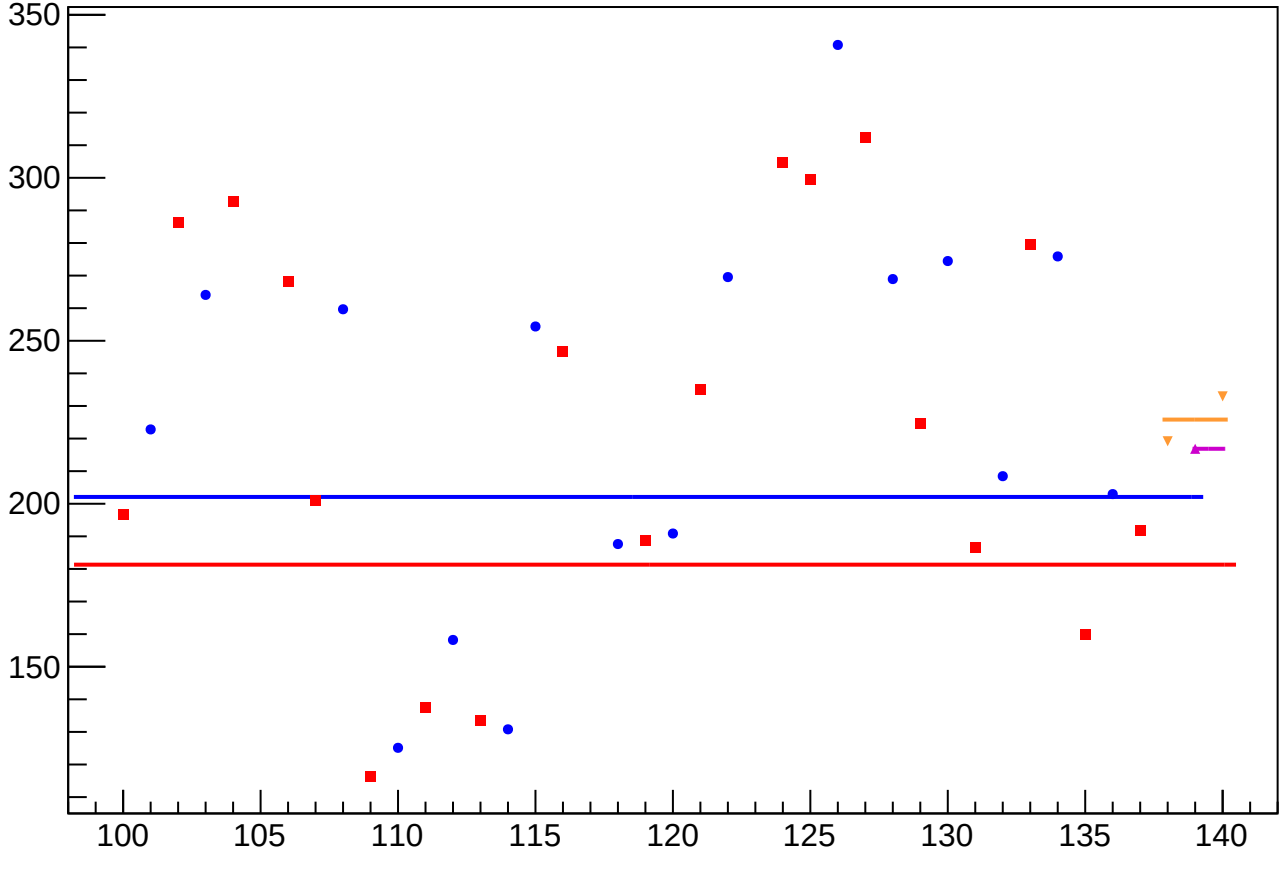
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 13.694+/-75.005 χ^2/NDF:19.4/16

Out: -63.866+/-66.267 χ^2/NDF:18.4/20

All: -29.865+/-49.661 χ^2/NDF: 38.4/37

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 225.824+/-0.127 χ^2/NDF:2946.3/1

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 216.867+/-0.169 χ^2/NDF:0.0/0

Left: 222.596+/-0.101 χ^2/NDF: 4743.0/2

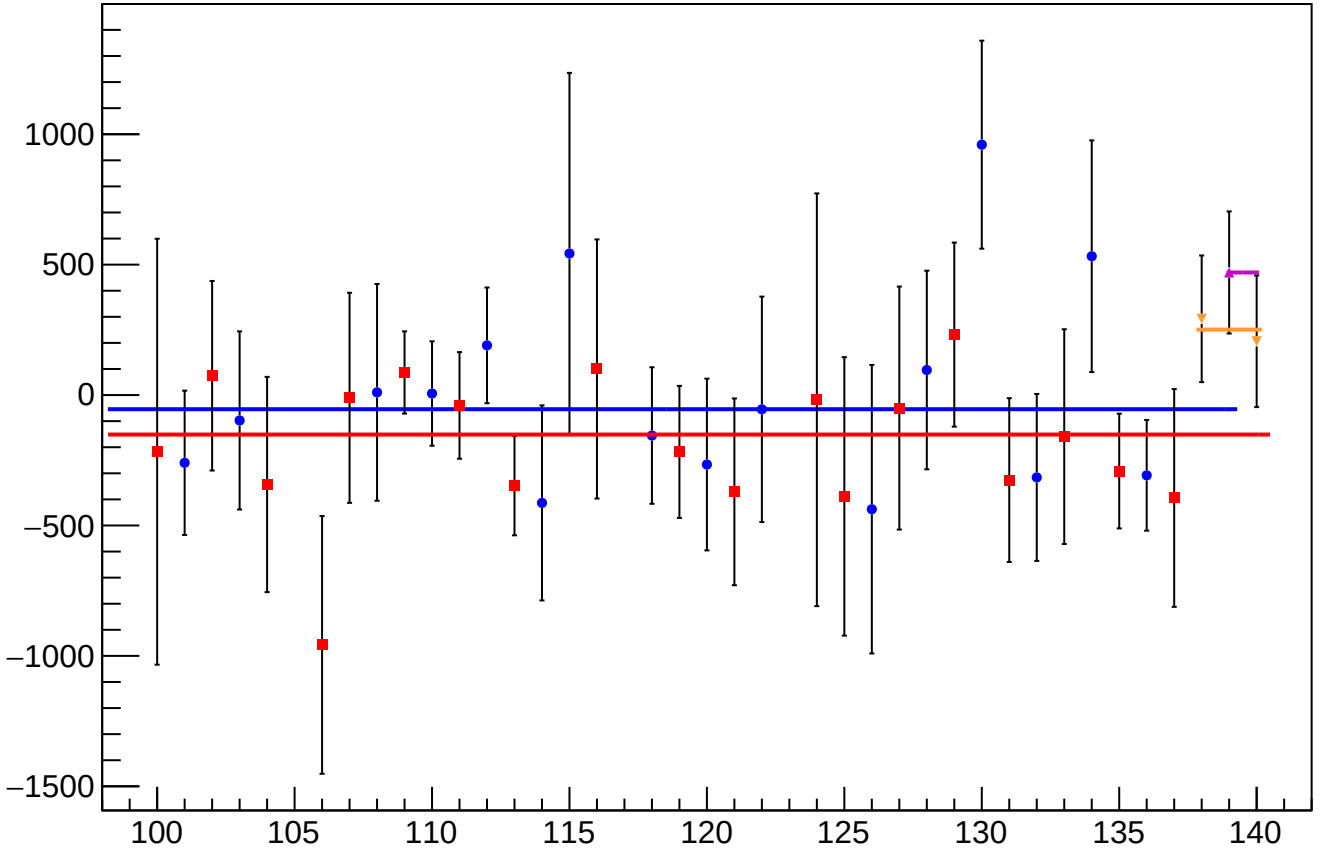
Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 203.545+/-0.053 χ^2/NDF:917150.9/16

Out: 187.384+/-0.047 χ^2/NDF:1550241.0/20

All: 194.469+/-0.035 χ^2/NDF: 2519538.6/37

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 250.886+/-174.948 χ^2/NDF:0.1/1

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 469.992+/-234.034 χ^2/NDF:0.0/0

Left: 329.431+/-140.124 χ^2/NDF: 0.6/2

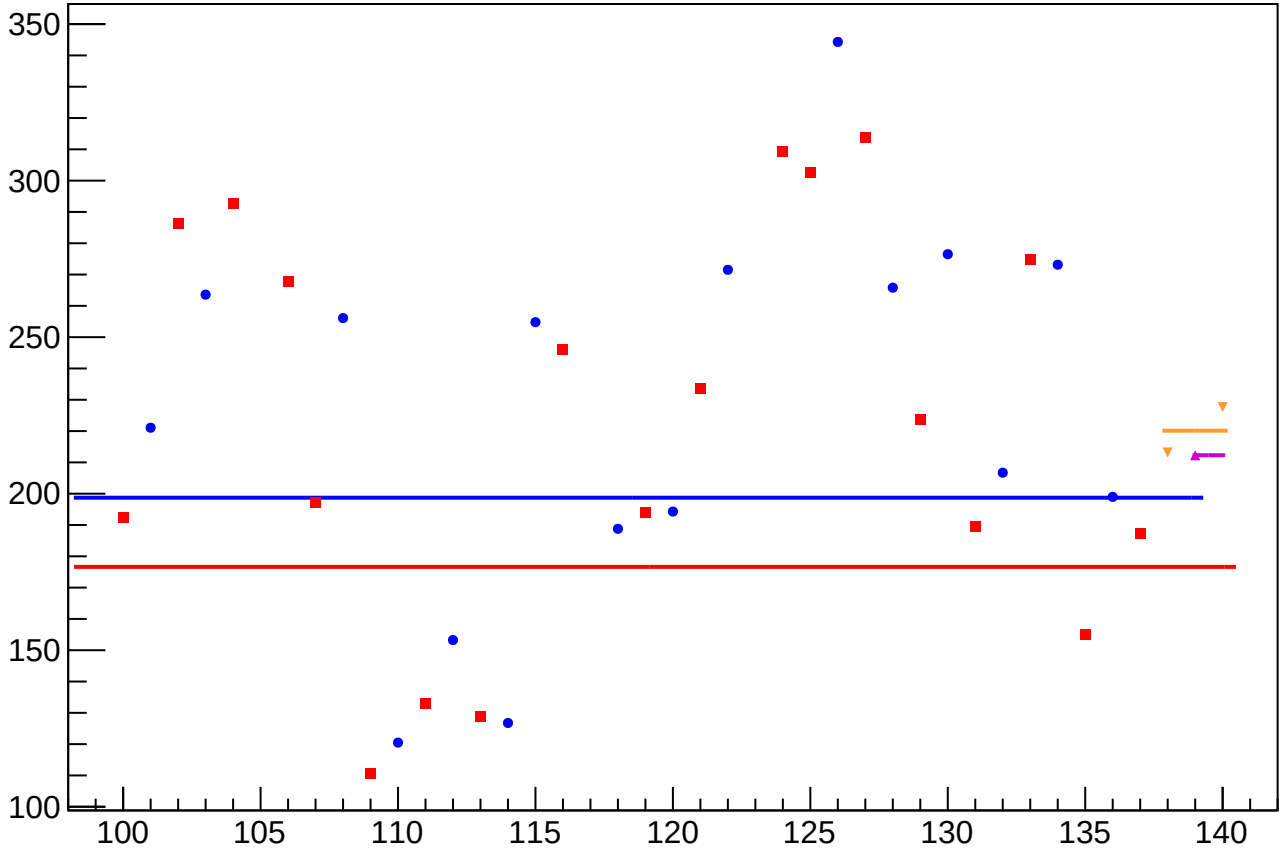
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: -1.909+/-73.952 χ^2/NDF:19.6/16

Out: -95.982+/-64.912 χ^2/NDF:14.9/20

All: -55.044+/-48.785 χ^2/NDF: 35.4/37

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 220.127+/-0.124 χ^2/NDF:3425.0/1

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 212.291+/-0.165 χ^2/NDF:0.0/0

Left: 217.318+/-0.099 χ^2/NDF: 4863.3/2

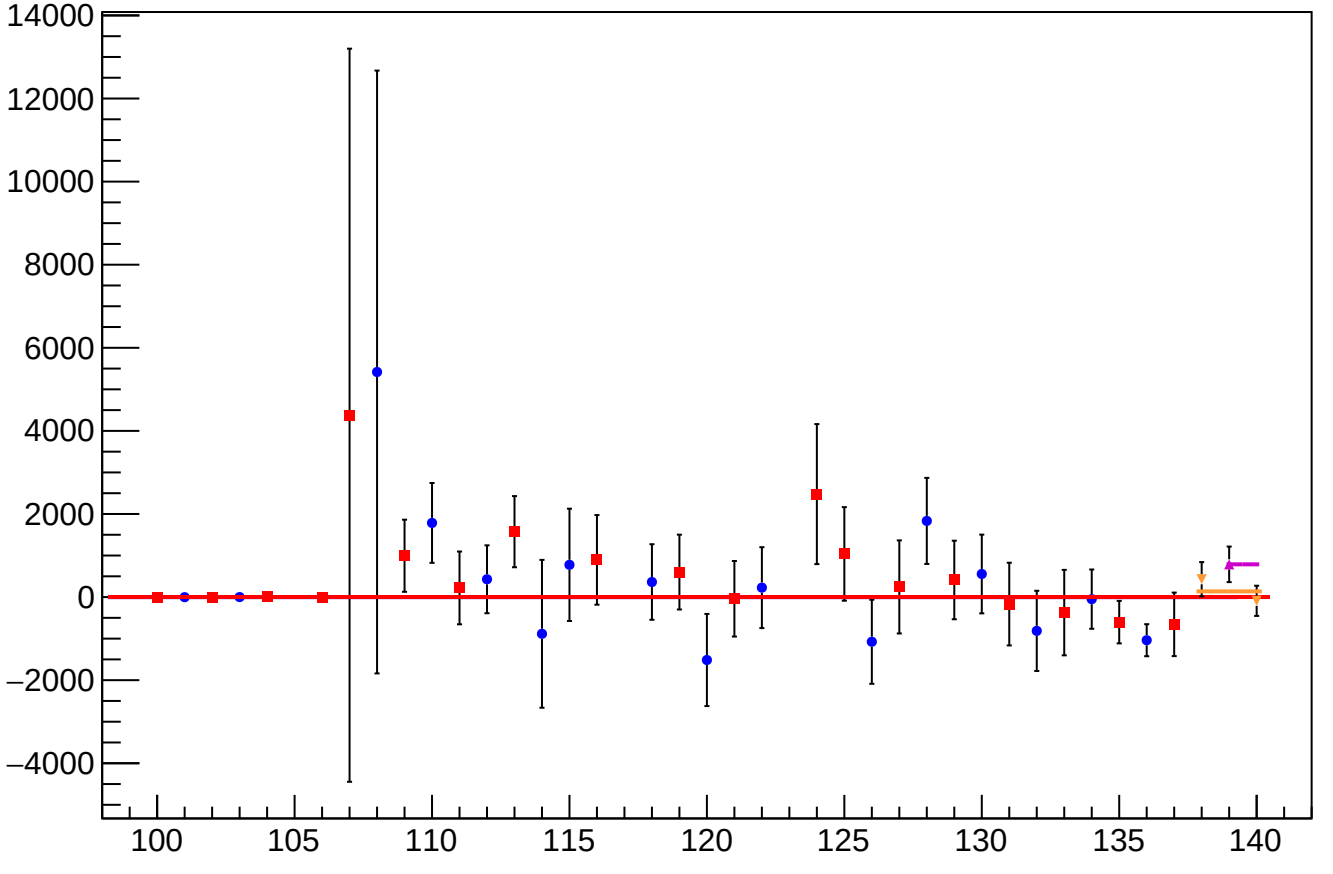
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 200.074+/-0.052 χ^2/NDF:1000123.8/16

Out: 182.611+/-0.046 χ^2/NDF:1705787.6/20

All: 190.210+/-0.034 χ^2/NDF: 2768902.1/37

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 137.381+/-272.571 χ^2/NDF:0.9/1

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 787.947+/-428.025 χ^2/NDF:0.0/0

Left: 325.085+/-229.911 χ^2/NDF: 2.5/2

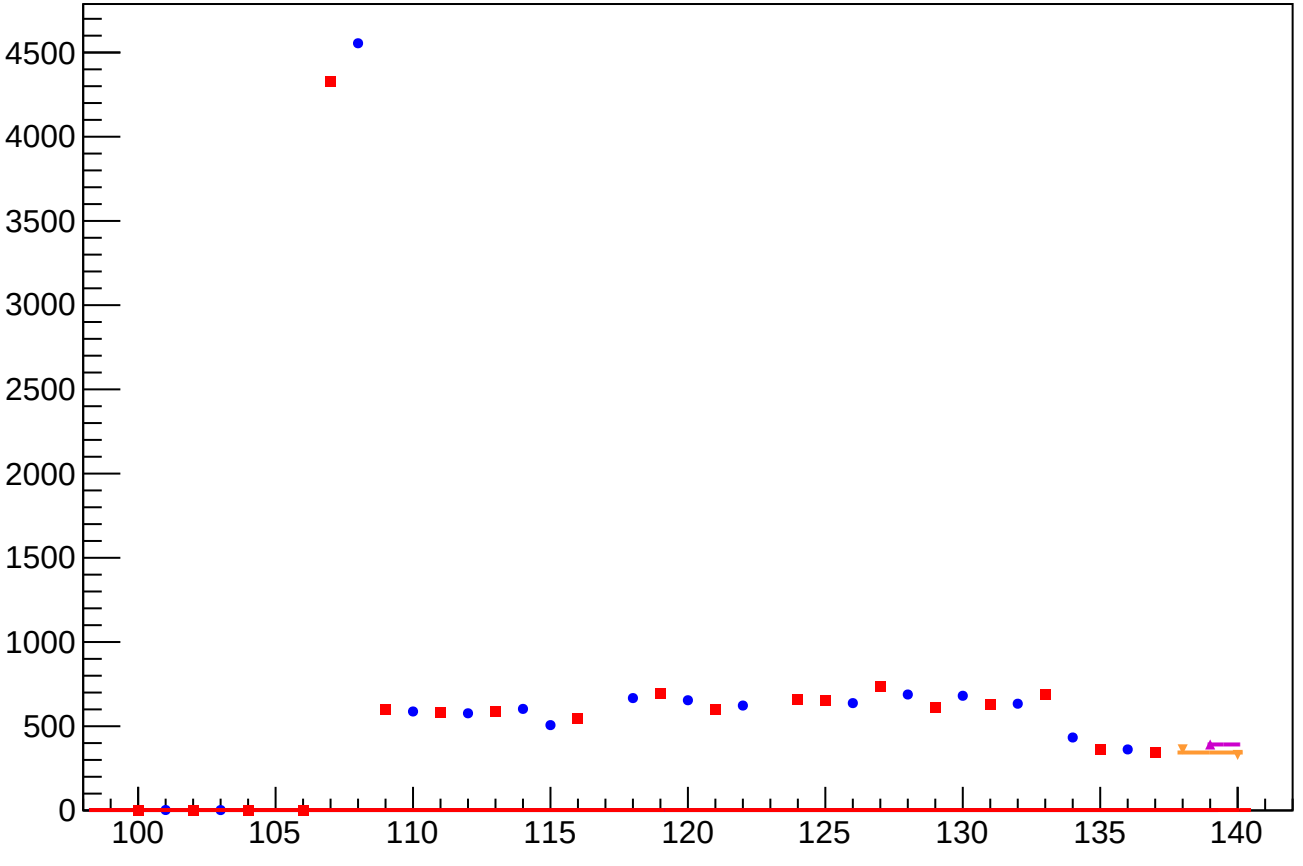
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.219+/-2.171 χ^2/NDF:23.3/16

Out: 1.385+/-2.022 χ^2/NDF:18.0/20

All: 0.175+/-1.480 χ^2/NDF: 42.1/37

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 344.015+/-0.193 χ^2/NDF:7272.1/1

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 391.777+/-0.303 χ^2/NDF:0.0/0

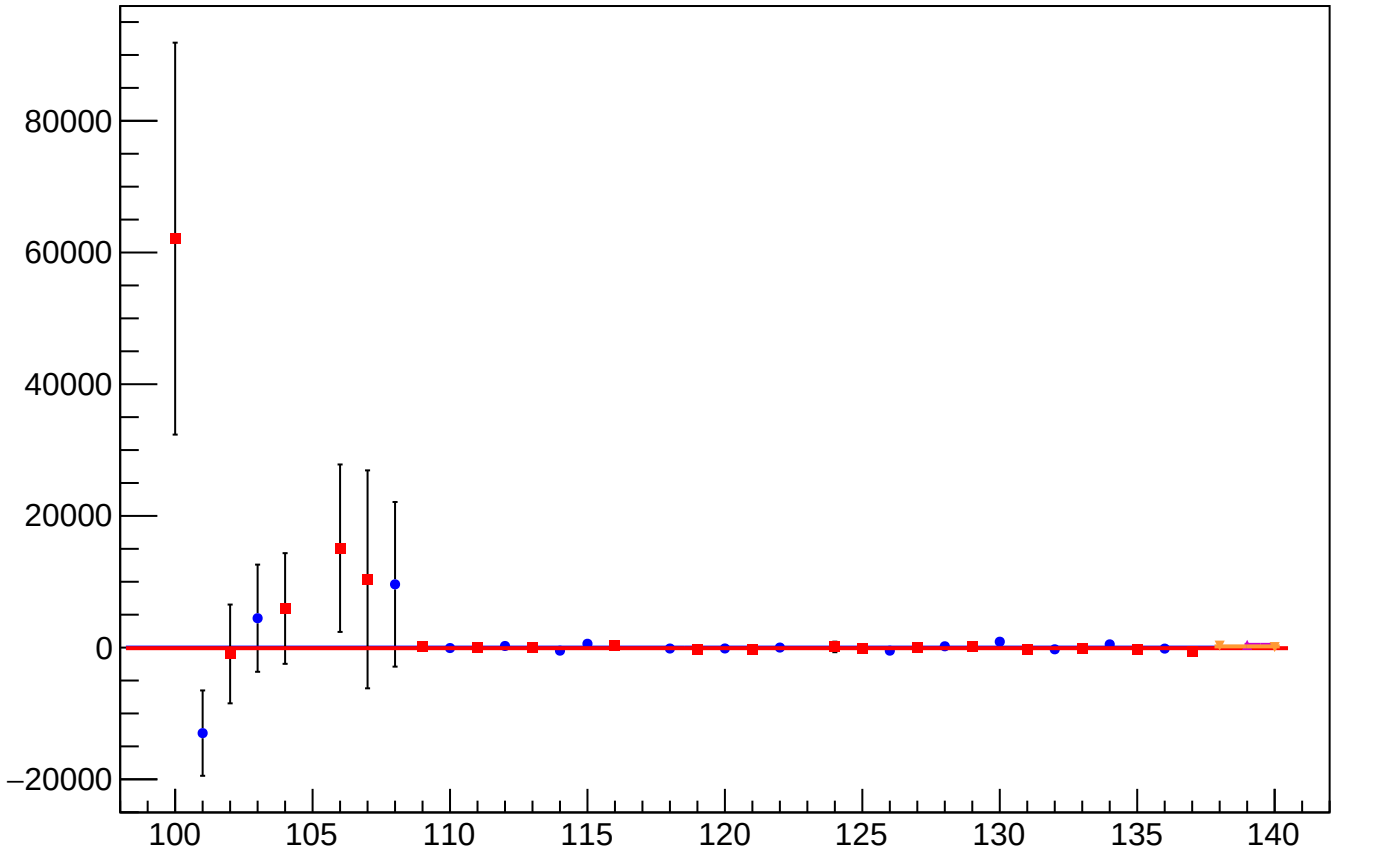
Left: 357.796+/-0.163 χ^2/NDF: 24990.2/2

Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.487+/-0.002 χ^2/NDF:13280630.4/16

Out: 2.481+/-0.001 χ^2/NDF:14692954.3/20

All: 2.484+/-0.001 χ^2/NDF: 27973592.2/37



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 185.977+/-173.046 χ^2/NDF:0.4/1

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 418.245+/-232.799 χ^2/NDF:0.0/0

Left: 268.639+/-138.880 χ^2/NDF: 1.0/2

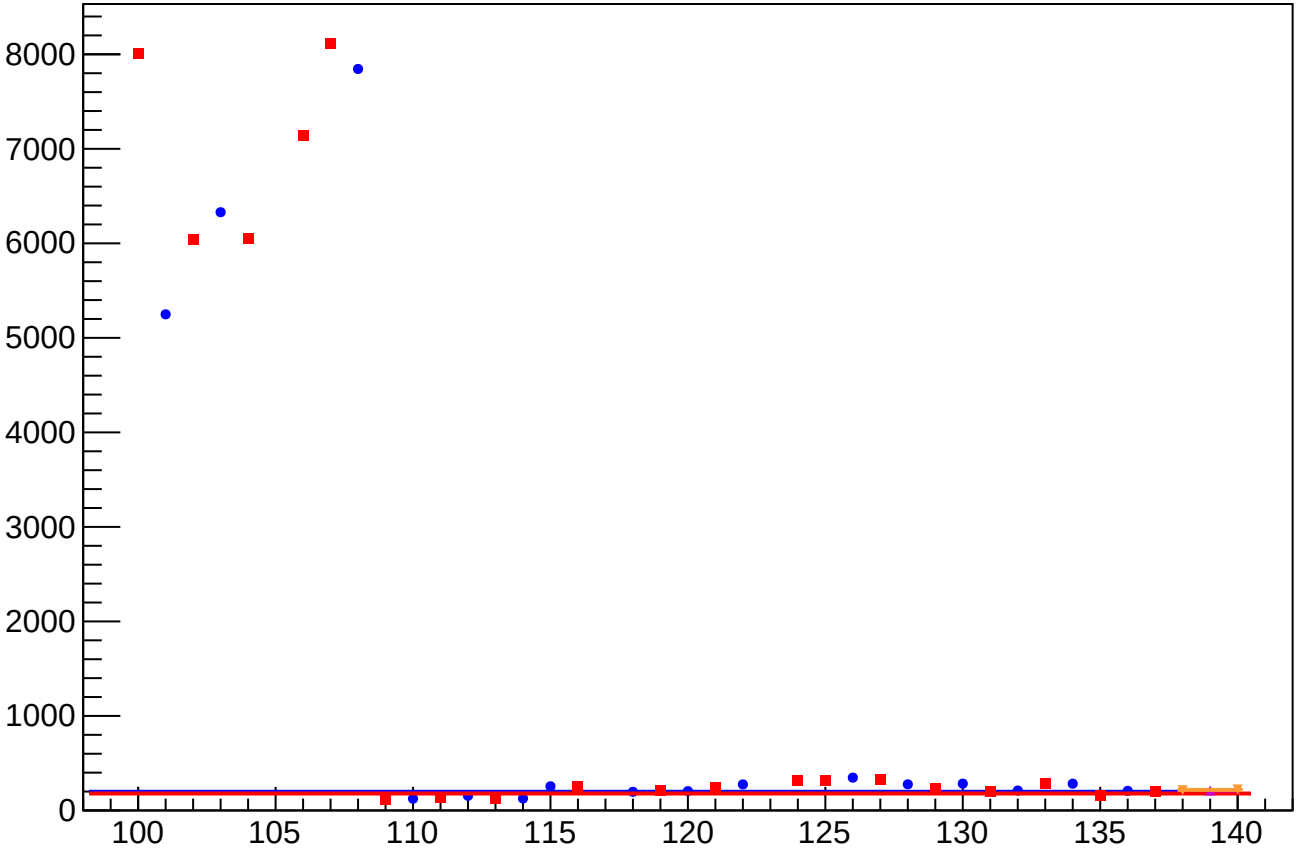
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 52.610+/-82.170 χ^2/NDF:19.7/16

Out: -38.229+/-73.809 χ^2/NDF:17.3/20

All: 2.336+/-54.910 χ^2/NDF: 37.7/37

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 217.429+/-0.122 χ^2/NDF:1235.6/1

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 210.631+/-0.165 χ^2/NDF:0.0/0

Left: 215.010+/-0.098 χ^2/NDF: 2333.9/2

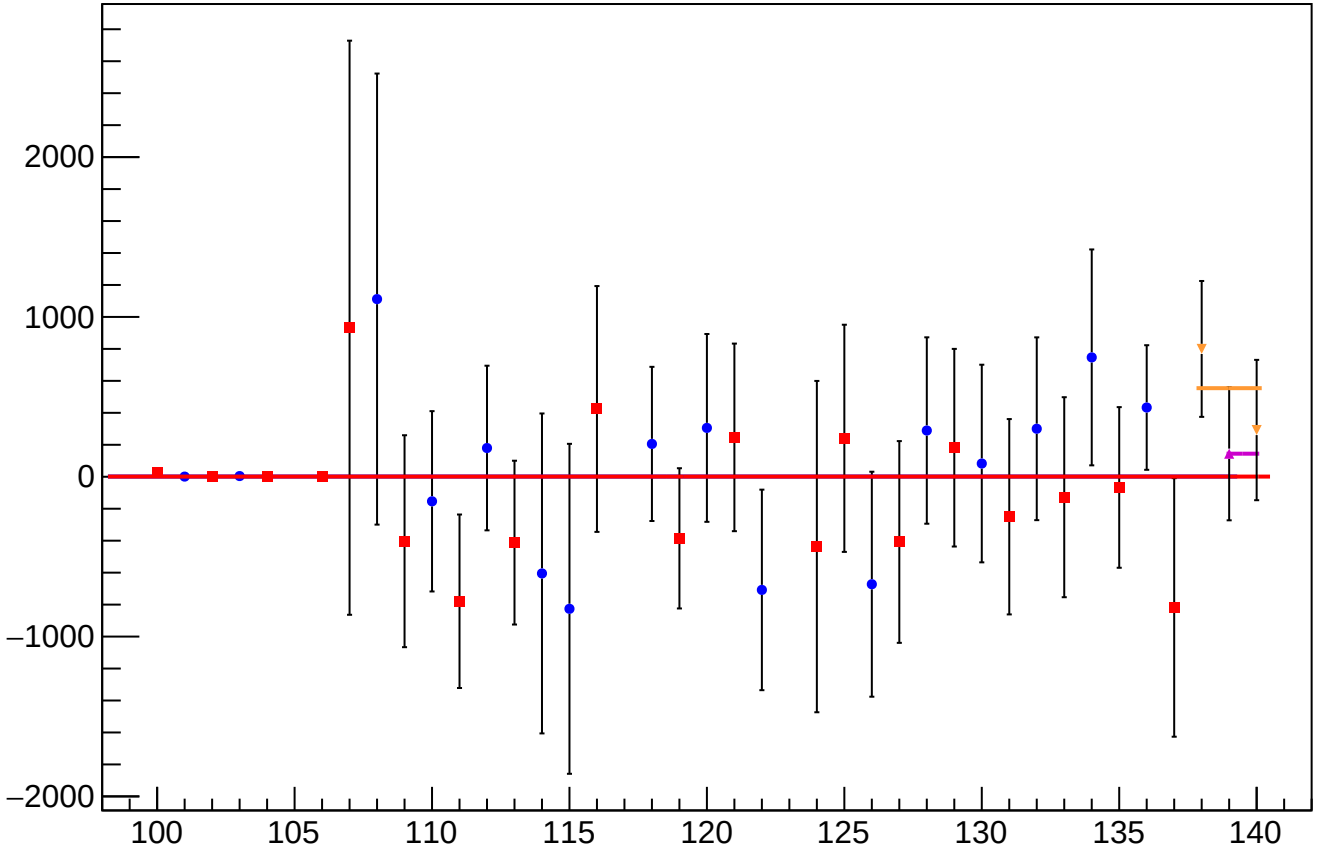
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 199.241+/-0.058 χ^2/NDF:3962662.1/16

Out: 186.196+/-0.052 χ^2/NDF:4499302.2/20

All: 192.021+/-0.039 χ^2/NDF: 8489862.2/37

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 554.290+/-305.399 χ^2/NDF:0.7/1

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 144.296+/-416.813 χ^2/NDF:0.0/0

Left: 411.071+/-246.349 χ^2/NDF: 1.3/2

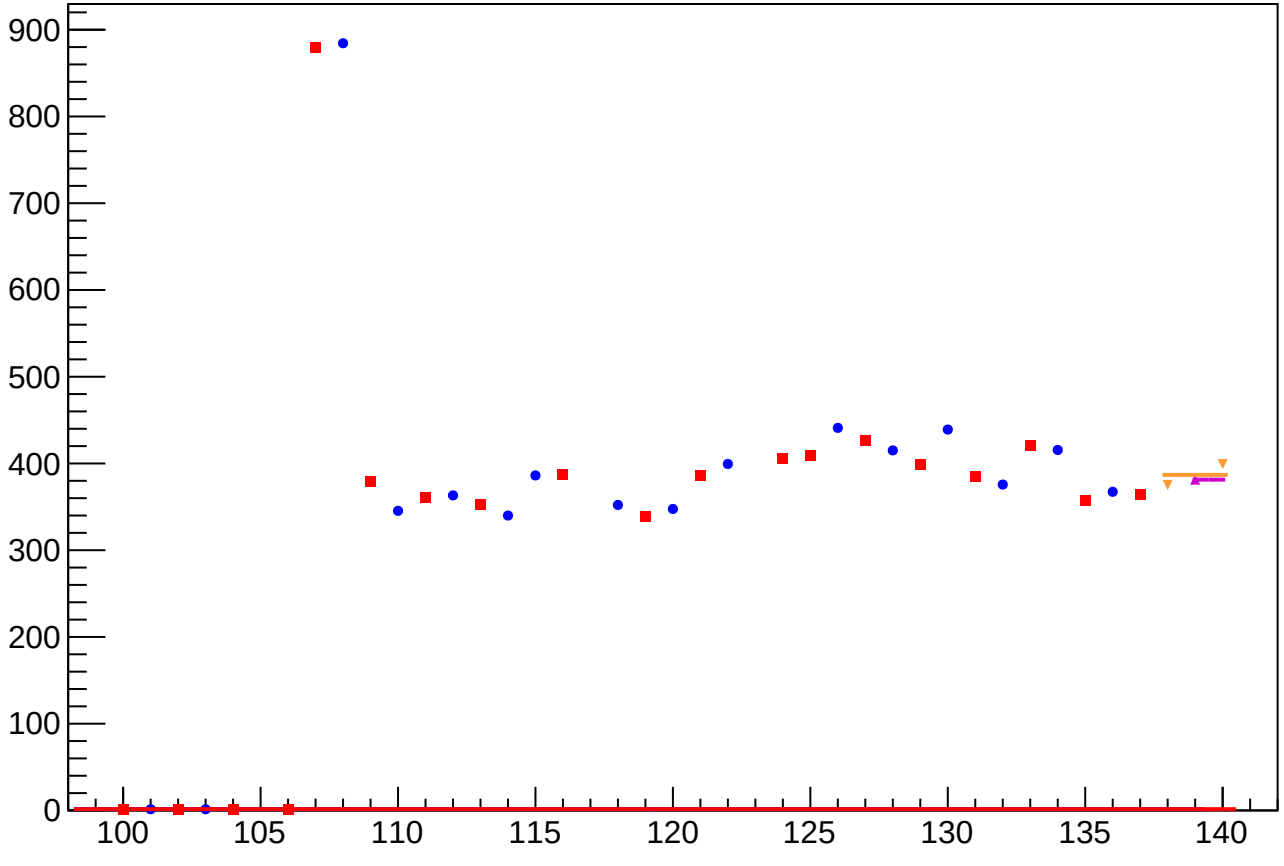
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.458+/-1.660 χ^2/NDF:8.0/16

Out: 1.107+/-1.528 χ^2/NDF:13.1/20

All: 1.268+/-1.124 χ^2/NDF: 21.2/37

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 386.853+/-0.216 χ^2/NDF:3092.0/1

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 381.358+/-0.295 χ^2/NDF:0.0/0

Left: 384.933+/-0.174 χ^2/NDF: 3318.2/2

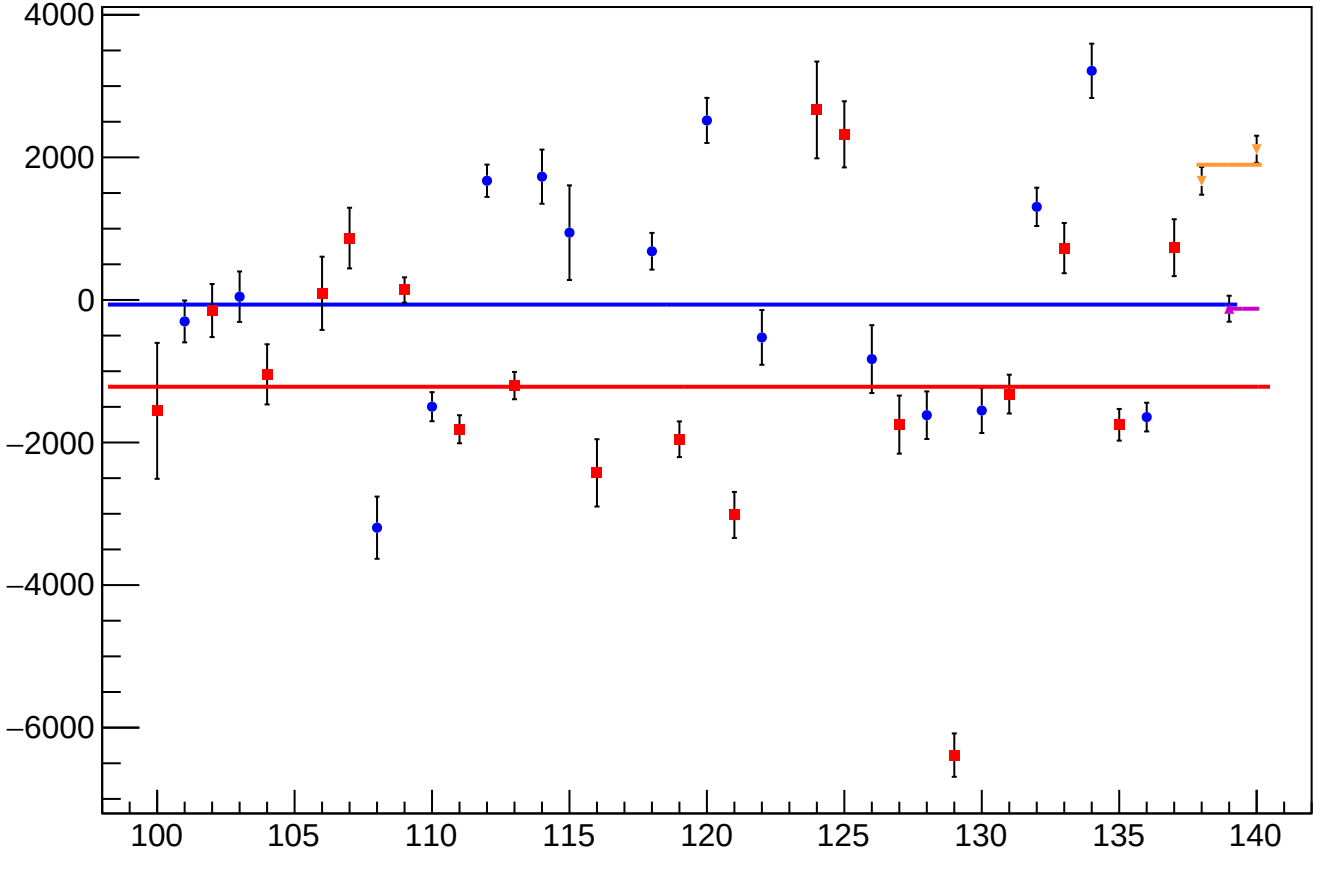
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.476+/-0.001 χ^2/NDF:13396647.4/16

Out: 1.477+/-0.001 χ^2/NDF:14458280.1/20

All: 1.476+/-0.001 χ^2/NDF: 27854927.7/37

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1896.611+/-136.139 χ^2/NDF:2.6/1

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: -123.230+/-181.957 χ^2/NDF:0.0/0

Left: 1171.712+/-109.006 χ^2/NDF: 81.6/2

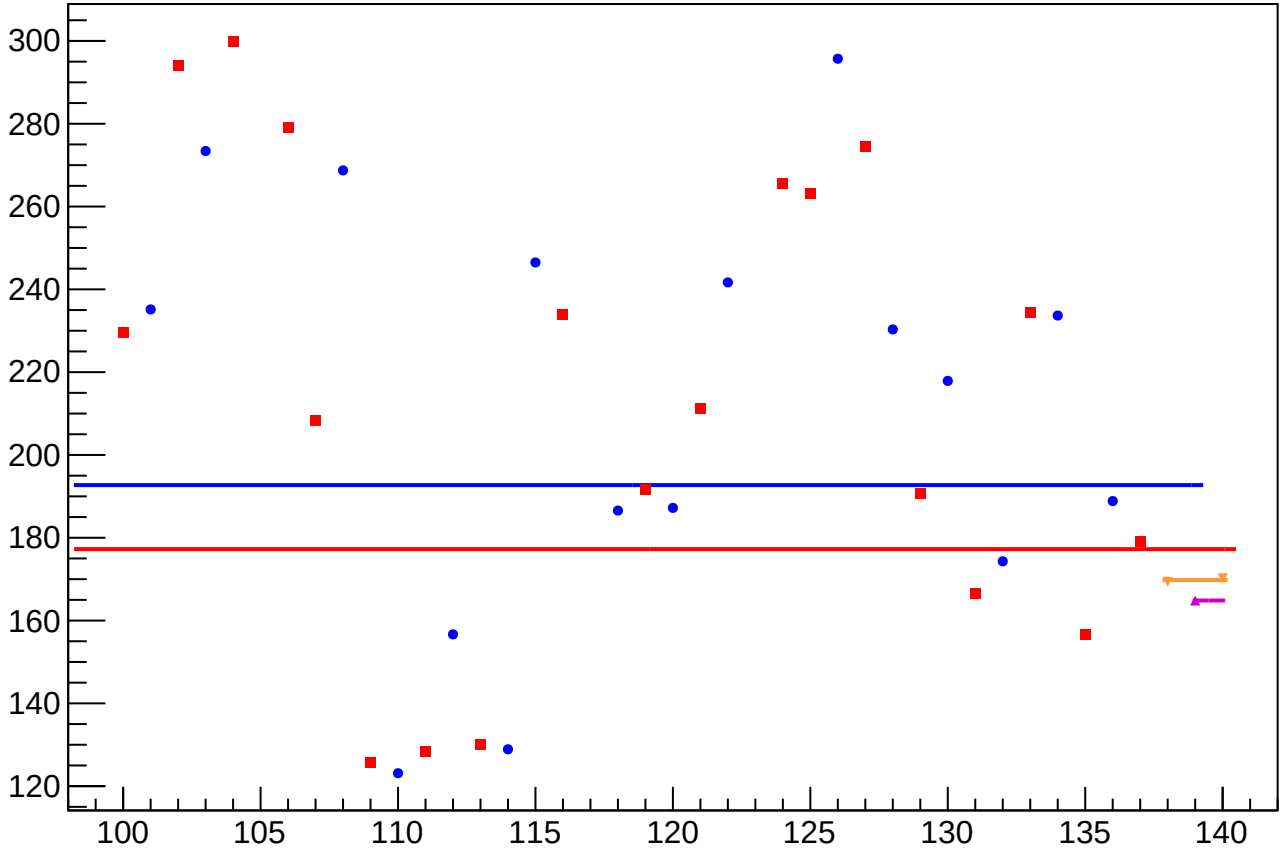
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -73.430+/-69.258 χ^2/NDF:469.6/16

Out: -580.985+/-61.562 χ^2/NDF:1013.6/20

All: -356.962+/-46.012 χ^2/NDF: 1513.1/37

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 169.781+/-0.096 χ^2/NDF:19.0/1

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 164.844+/-0.129 χ^2/NDF:0.0/0

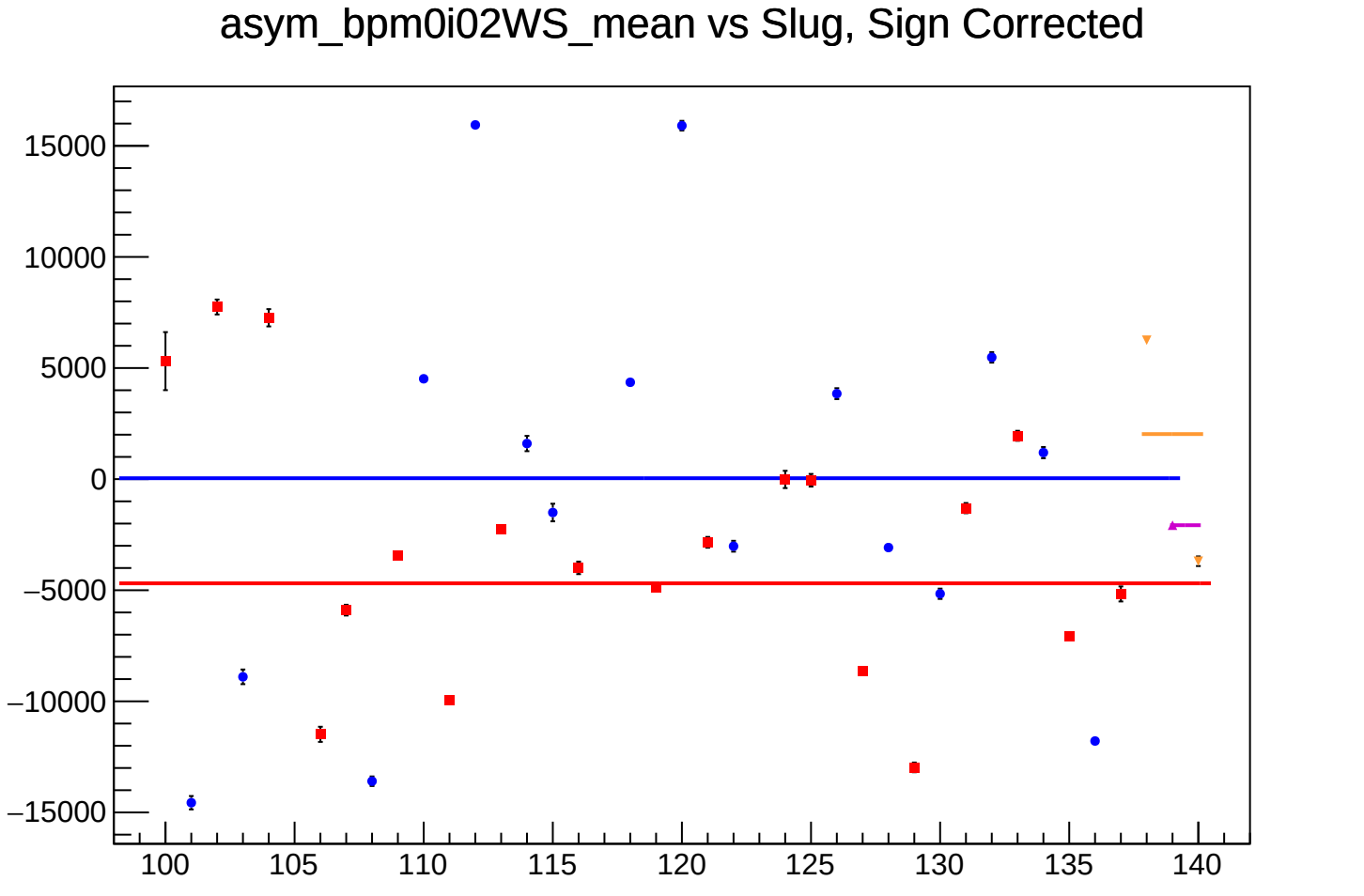
Left: 168.009+/-0.077 χ^2/NDF: 962.7/2

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 188.681+/-0.049 χ^2/NDF:799283.5/16

Out: 175.724+/-0.044 χ^2/NDF:1230990.2/20

All: 181.443+/-0.033 χ^2/NDF: 2069378.2/37



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 2027.220+/-141.051 χ^2/NDF:1215.1/1

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -2073.670+/-188.982 χ^2/NDF:0.0/0

Left: 560.054+/-113.037 χ^2/NDF: 1517.5/2

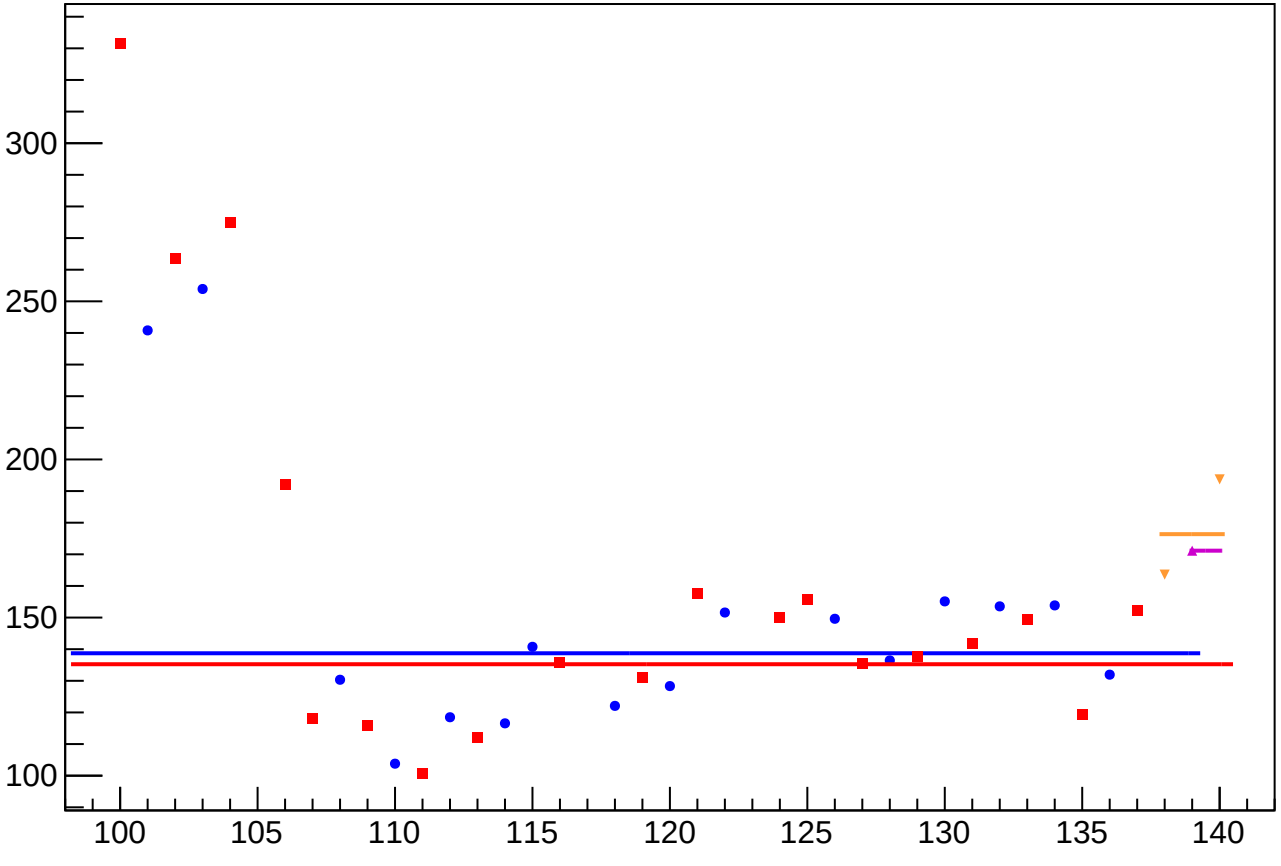
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -119.792+/-52.098 χ^2/NDF:30902.0/16

Out: -3883.444+/-48.869 χ^2/NDF:11006.3/20

All: -2121.894+/-35.642 χ^2/NDF: 44684.5/37

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 176.377+/-0.100 χ^2/NDF:22275.9/1

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 171.151+/-0.134 χ^2/NDF:0.0/0

Left: 174.508+/-0.080 χ^2/NDF: 23258.0/2

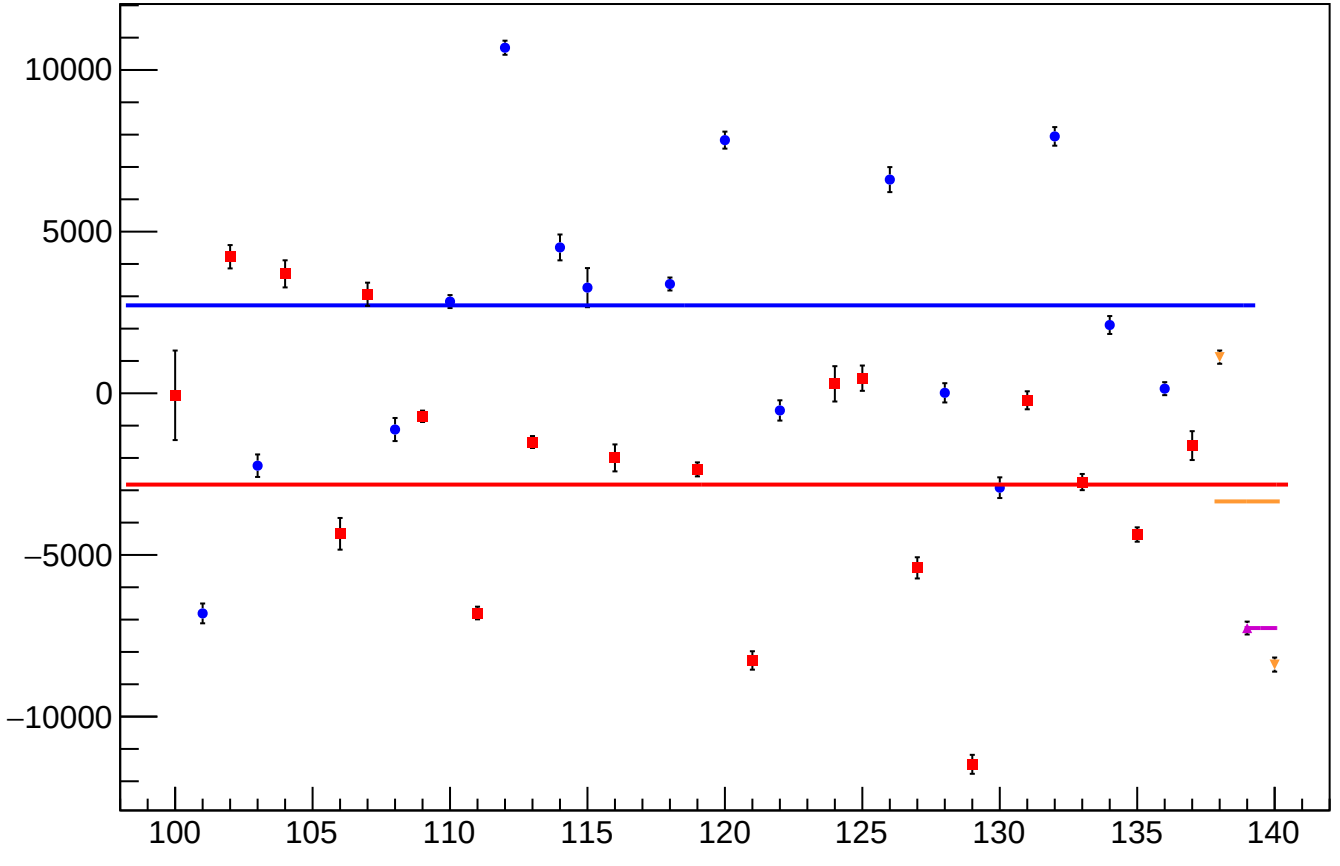
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 141.177+/-0.037 χ^2/NDF:712242.6/16

Out: 140.182+/-0.035 χ^2/NDF:1061959.9/20

All: 140.648+/-0.025 χ^2/NDF: 1774590.6/37

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -3344.405+/-149.642 χ^2/NDF:1005.7/1

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -7261.252+/-199.349 χ^2/NDF:0.0/0

Left: -4756.045+/-119.676 χ^2/NDF: 1252.6/2

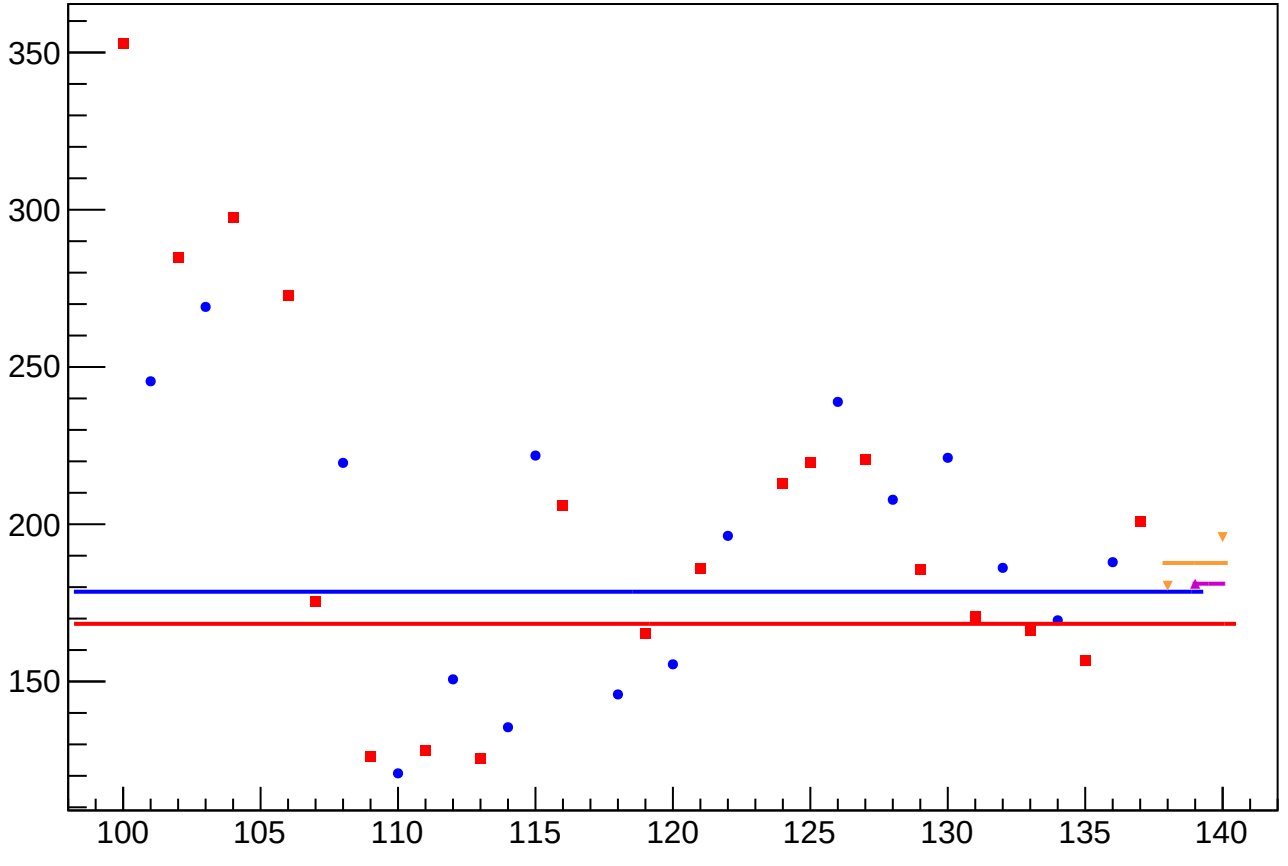
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: 1645.218+/-65.413 χ^2/NDF:6366.2/16

Out: -2906.012+/-59.503 χ^2/NDF:4078.7/20

All: -845.243+/-44.016 χ^2/NDF: 13093.9/37

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 187.685+/-0.106 χ^2/NDF:5329.2/1

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 181.095+/-0.141 χ^2/NDF:0.0/0

Left: 185.310+/-0.085 χ^2/NDF: 6727.0/2

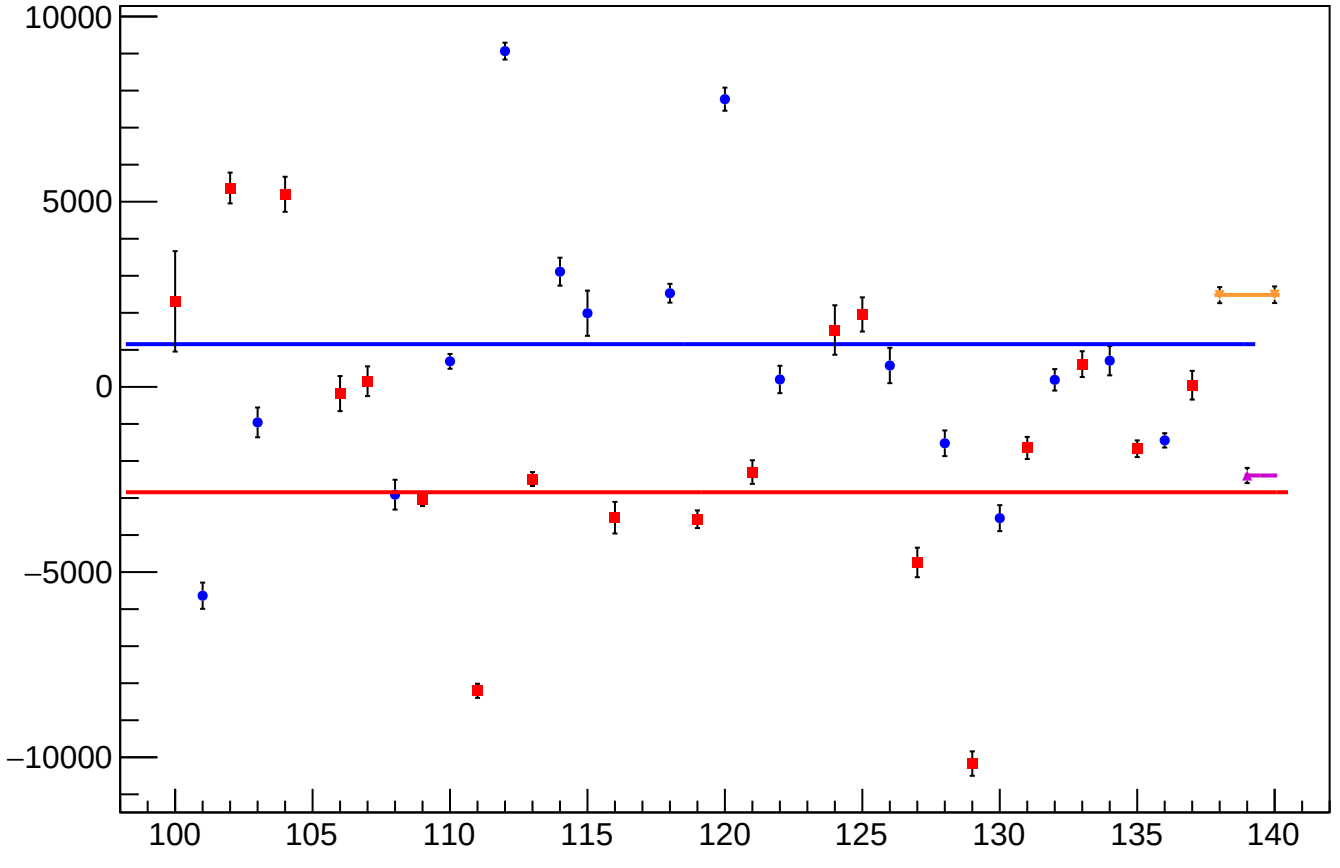
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 178.816+/-0.046 χ^2/NDF:674859.0/16

Out: 171.394+/-0.042 χ^2/NDF:1012970.5/20

All: 174.755+/-0.031 χ^2/NDF: 1701918.2/37

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2482.851+/-155.792 χ^2/NDF:0.0/1

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2391.514+/-205.447 χ^2/NDF:0.0/0

Left: 703.261+/-124.137 χ^2/NDF: 357.4/2

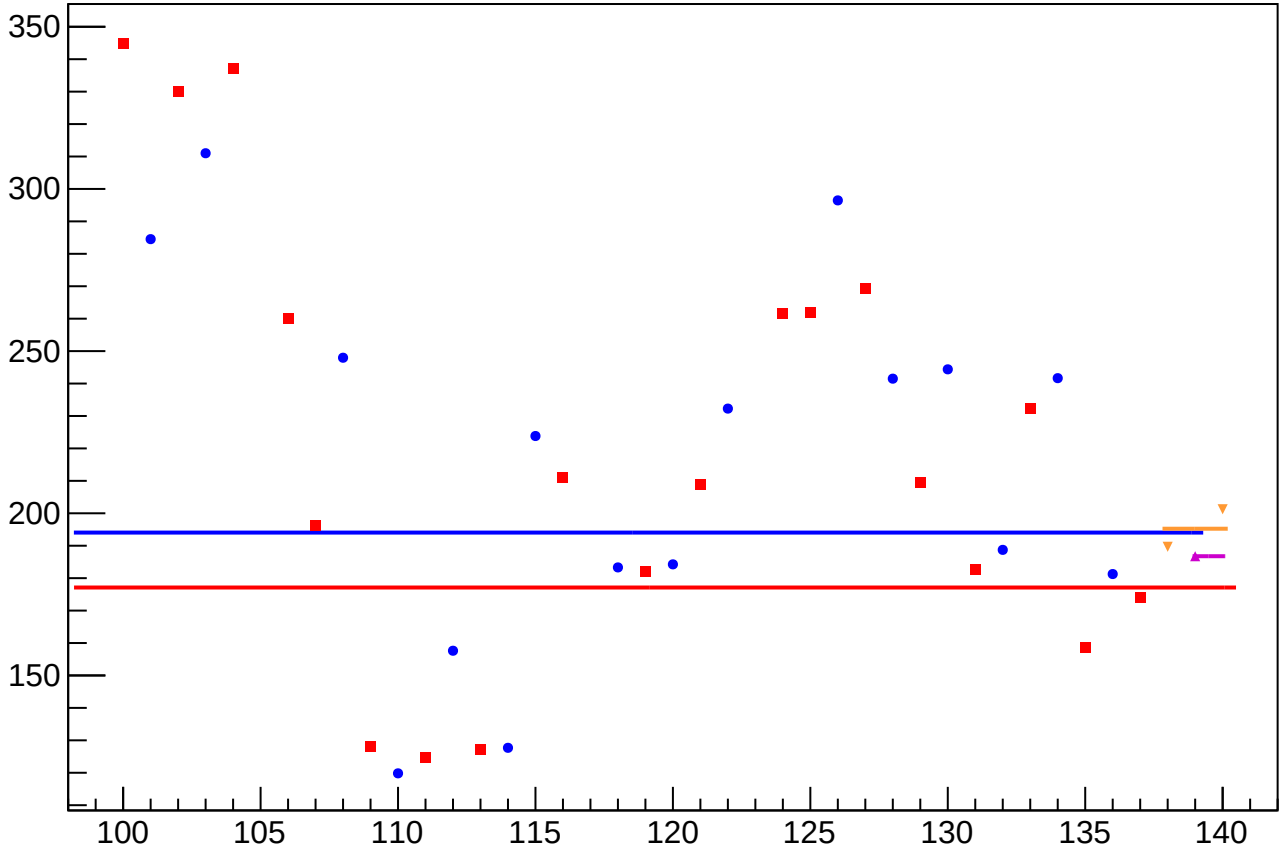
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: 727.490+/-71.244 χ^2/NDF:2917.3/16

Out: -1967.417+/-63.195 χ^2/NDF:3429.8/20

All: -780.719+/-47.276 χ^2/NDF: 7147.9/37

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 195.242+/-0.110 χ^2/NDF:2753.0/1

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 186.765+/-0.145 χ^2/NDF:0.0/0

Left: 192.147+/-0.088 χ^2/NDF: 4915.0/2

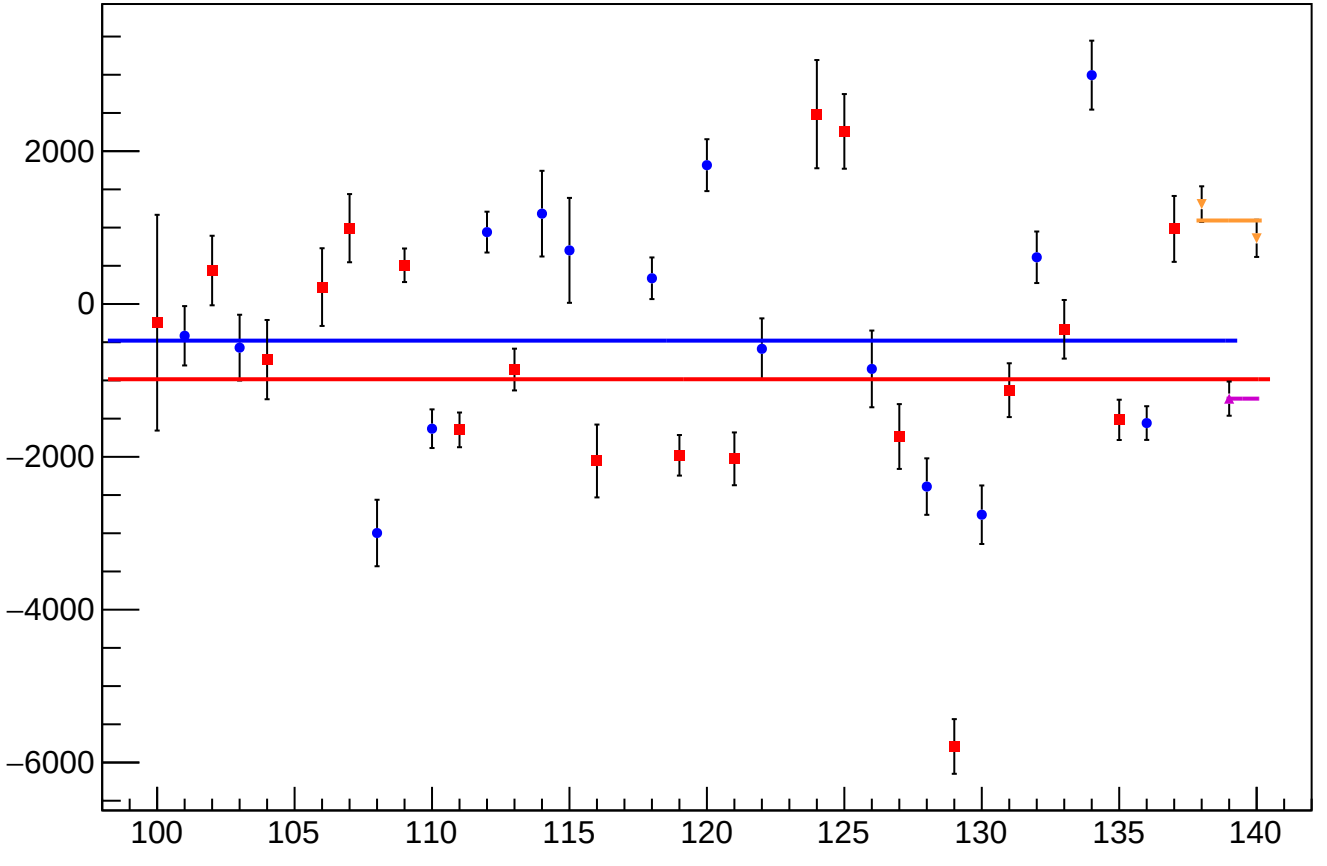
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 193.176+/-0.050 χ^2/NDF:968000.5/16

Out: 180.098+/-0.045 χ^2/NDF:1384719.6/20

All: 185.857+/-0.033 χ^2/NDF: 2390441.8/37

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1092.736+/-168.291 χ^2/NDF:1.8/1

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -1238.389+/-223.636 χ^2/NDF:0.0/0

Left: 249.921+/-134.470 χ^2/NDF: 71.1/2

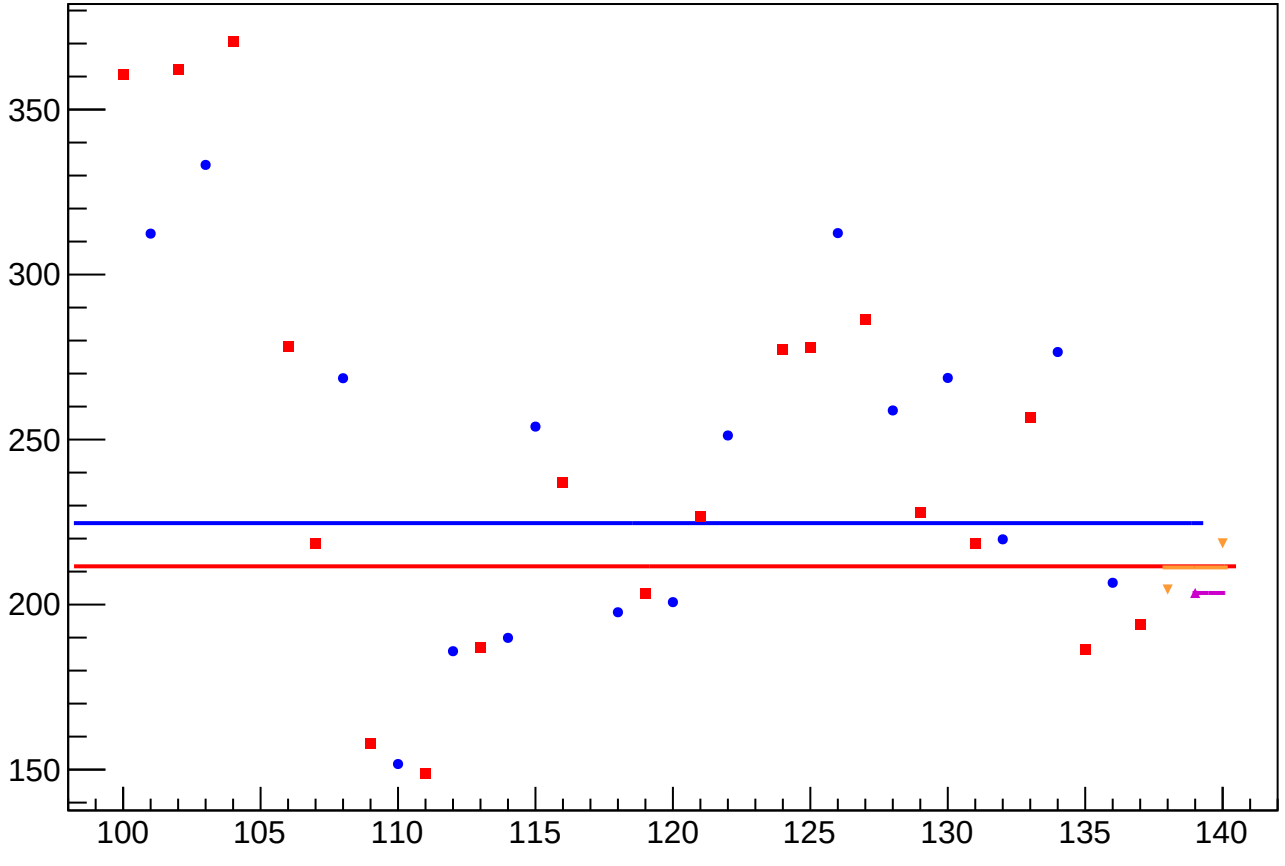
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -578.455+/-80.825 χ^2/NDF:315.5/16

Out: -594.226+/-72.946 χ^2/NDF:523.6/20

All: -587.146+/-54.153 χ^2/NDF: 839.1/37

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 211.264+/-0.119 χ^2/NDF:3450.7/1

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 203.521+/-0.158 χ^2/NDF:0.0/0

Left: 208.465+/-0.095 χ^2/NDF: 4981.6/2

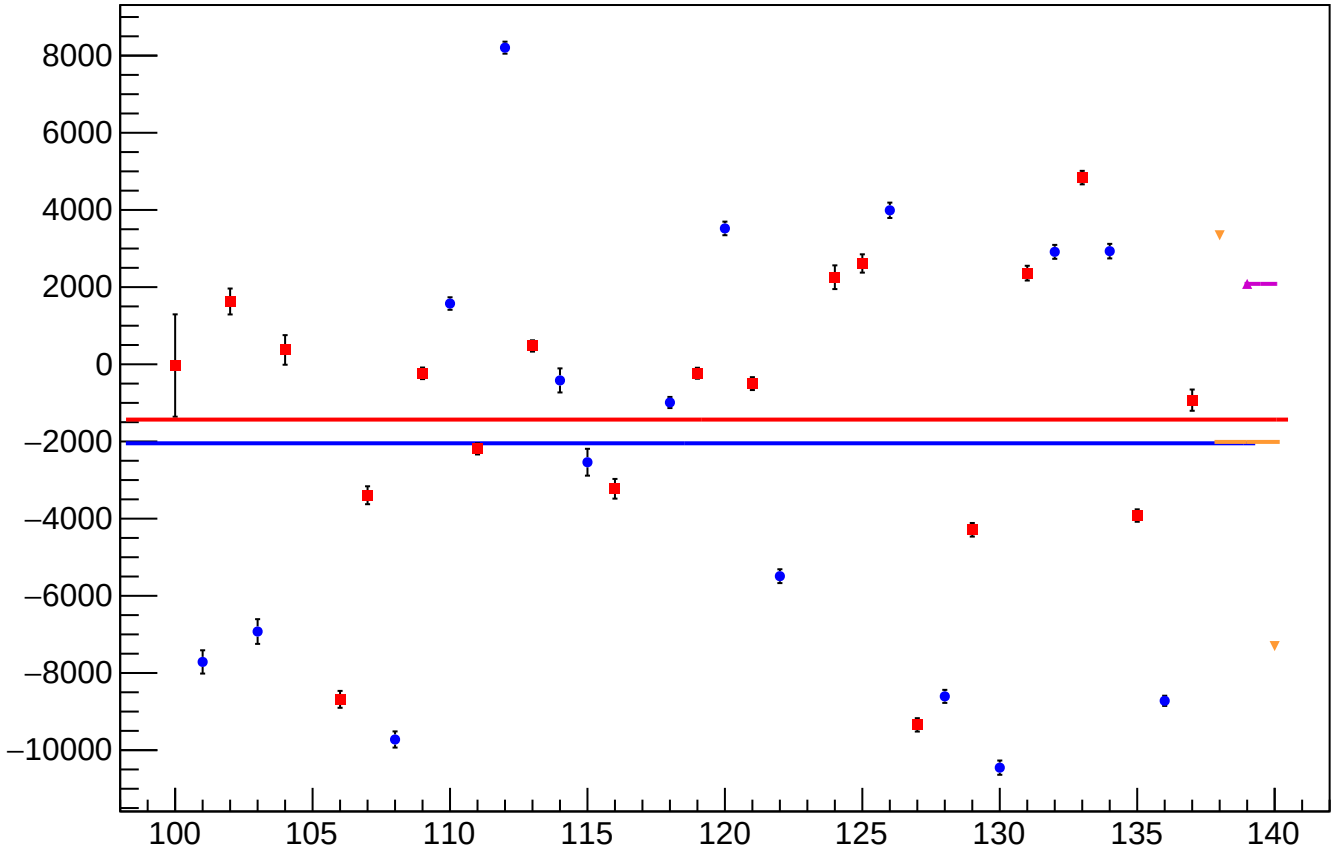
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 221.918+/-0.057 χ^2/NDF:668762.3/16

Out: 211.533+/-0.052 χ^2/NDF:936359.5/20

All: 216.195+/-0.038 χ^2/NDF: 1623320.4/37

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -2011.424+/-89.913 χ^2/NDF:3505.0/1

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: 2084.461+/-126.561 χ^2/NDF:0.0/0

Left: -637.582+/-73.298 χ^2/NDF: 4201.0/2

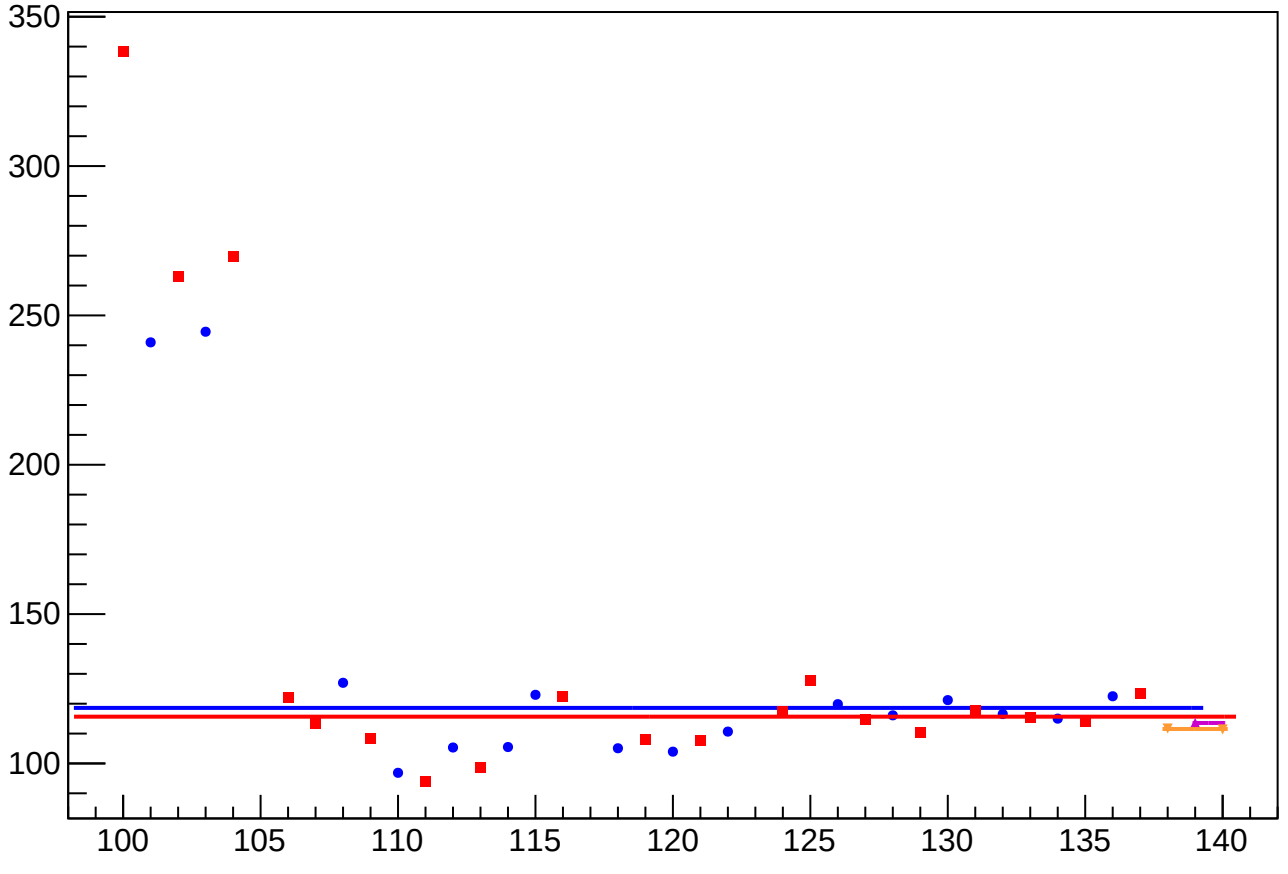
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -1551.719+/-43.831 χ^2/NDF:17647.1/16

Out: -1547.676+/-40.047 χ^2/NDF:9925.9/20

All: -1549.516+/-29.565 χ^2/NDF: 27573.0/37

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.537+/-0.064 χ^2/NDF:6.2/1

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 113.548+/-0.089 χ^2/NDF:0.0/0

Left: 112.212+/-0.052 χ^2/NDF: 341.9/2

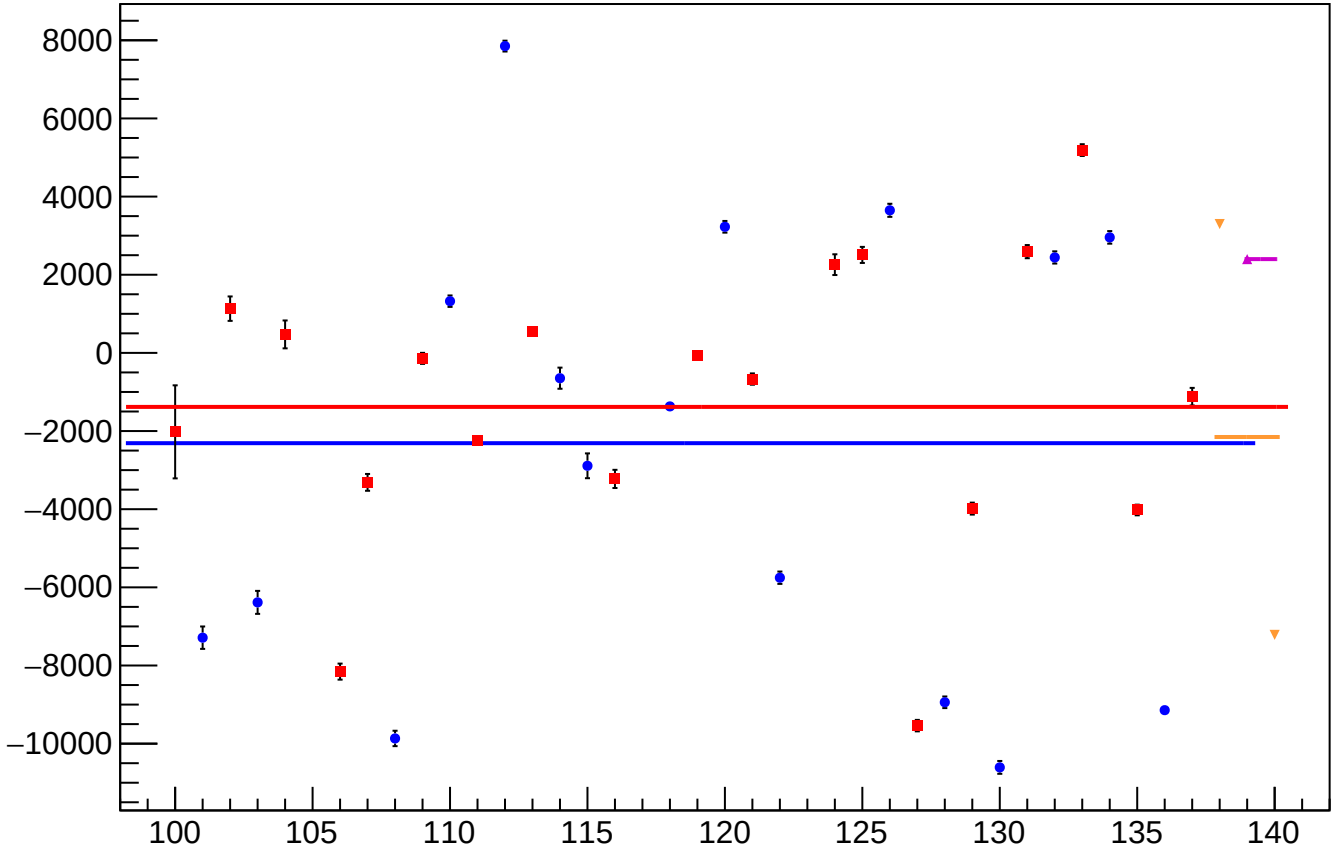
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 117.990+/-0.031 χ^2/NDF:736958.2/16

Out: 114.842+/-0.028 χ^2/NDF:867583.1/20

All: 116.274+/-0.021 χ^2/NDF: 1610166.7/37

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -2152.385+/-81.202 χ^2/NDF:4185.3/1

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: 2399.984+/-113.301 χ^2/NDF:0.0/0

Left: -607.555+/-66.002 χ^2/NDF: 5251.9/2

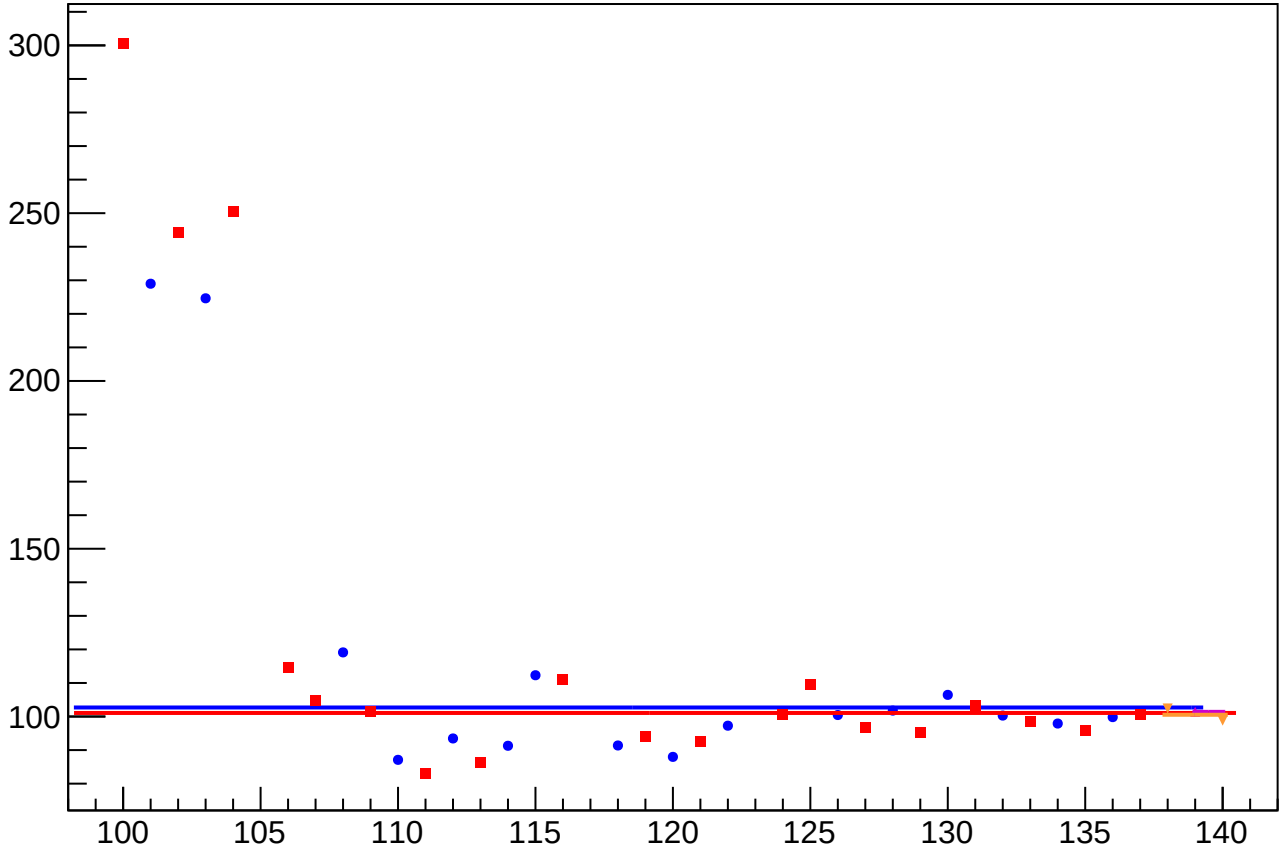
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -1771.401+/-38.332 χ^2/NDF:23210.2/16

Out: -1528.599+/-35.405 χ^2/NDF:12837.1/20

All: -1640.377+/-26.009 χ^2/NDF: 36068.9/37

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 100.525+/-0.057 χ^2/NDF:984.1/1

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 101.391+/-0.080 χ^2/NDF:0.0/0

Left: 100.819+/-0.047 χ^2/NDF: 1061.4/2

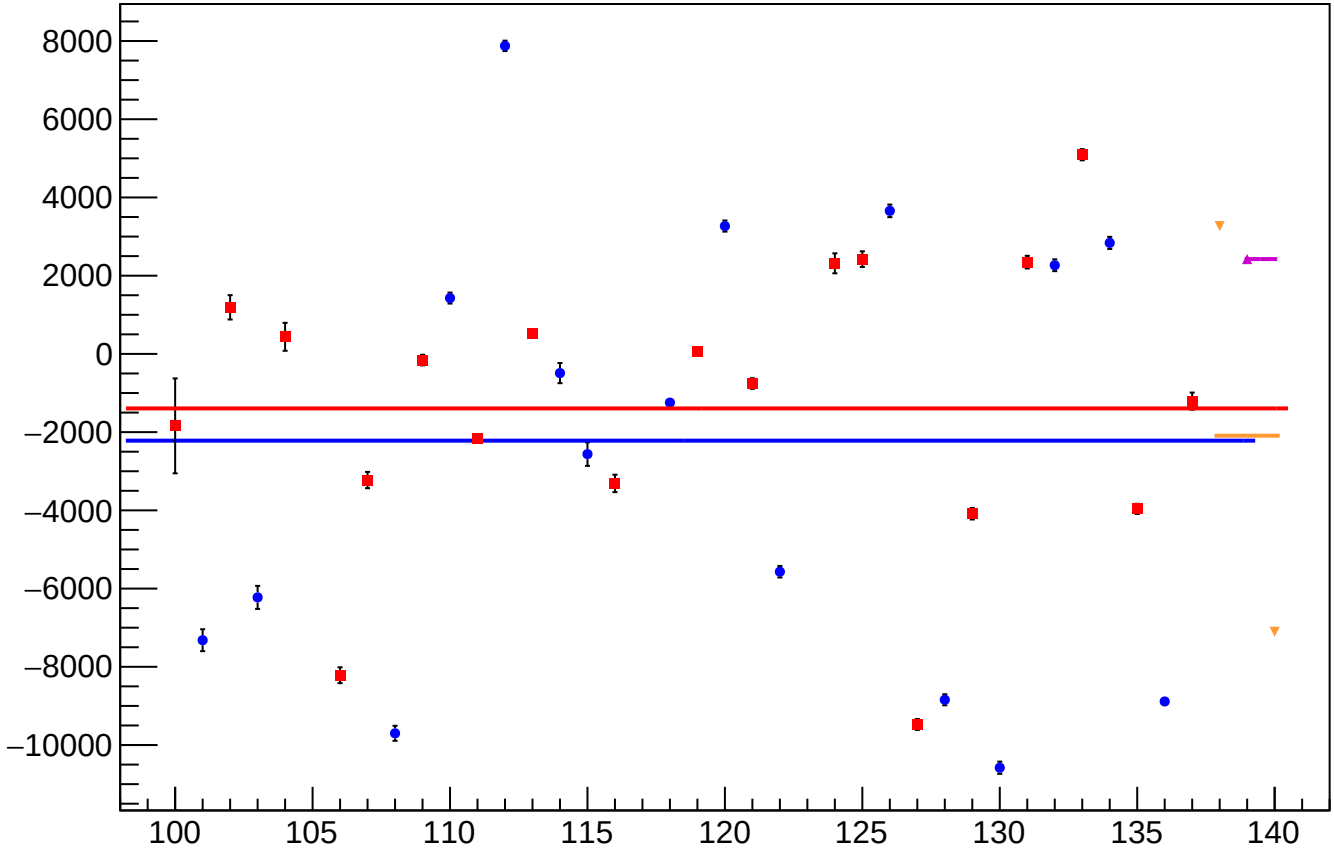
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 102.545+/-0.027 χ^2/NDF:826035.6/16

Out: 100.961+/-0.025 χ^2/NDF:931513.5/20

All: 101.690+/-0.018 χ^2/NDF: 1759391.4/37

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -2090.663+/-78.291 χ^2/NDF:4382.3/1

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: 2424.663+/-109.996 χ^2/NDF:0.0/0

Left: -572.362+/-63.784 χ^2/NDF: 5500.7/2

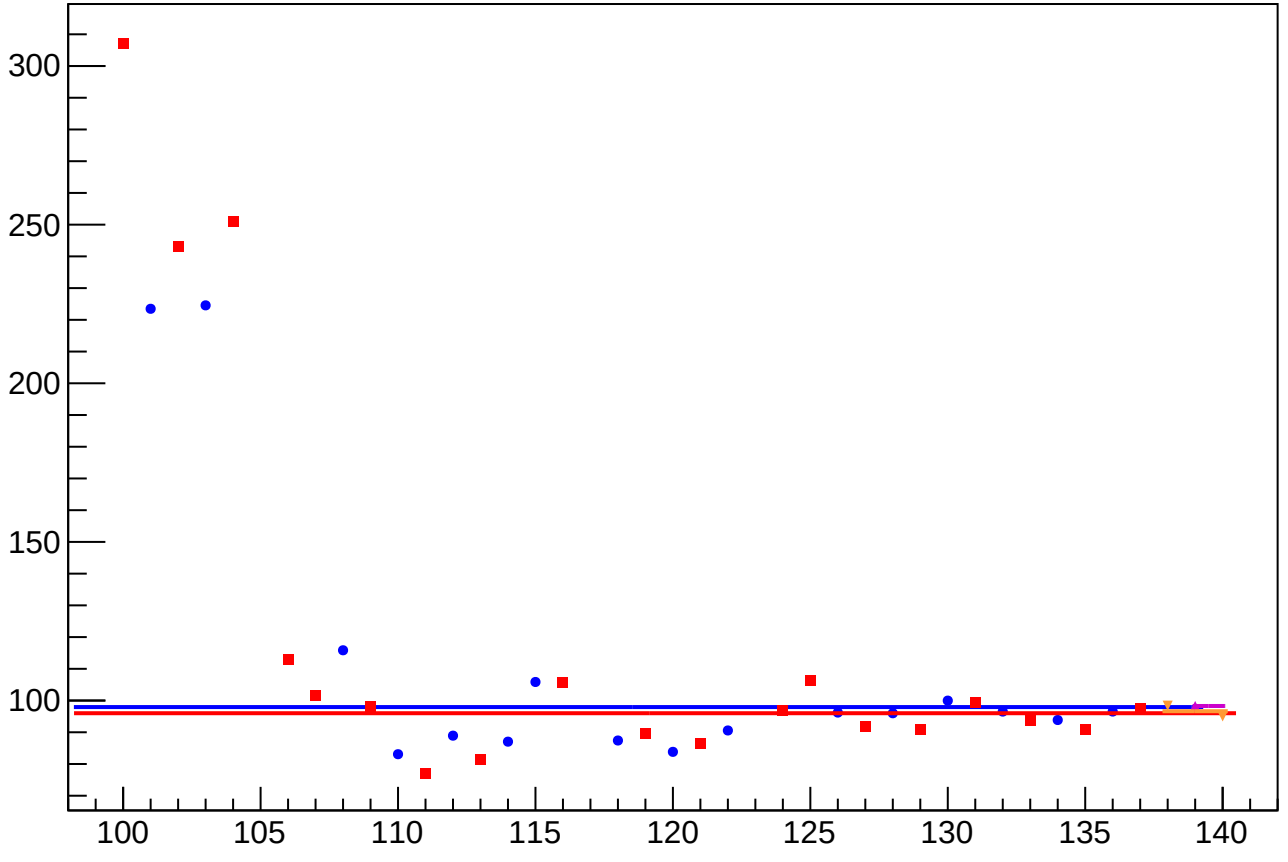
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -1698.667+/-36.790 χ^2/NDF:24622.9/16

Out: -1524.096+/-33.879 χ^2/NDF:13598.8/20

All: -1604.202+/-24.922 χ^2/NDF: 38233.9/37

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 96.635+/-0.055 χ^2/NDF:936.0/1

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 98.285+/-0.078 χ^2/NDF:0.0/0

Left: 97.190+/-0.045 χ^2/NDF: 1234.7/2

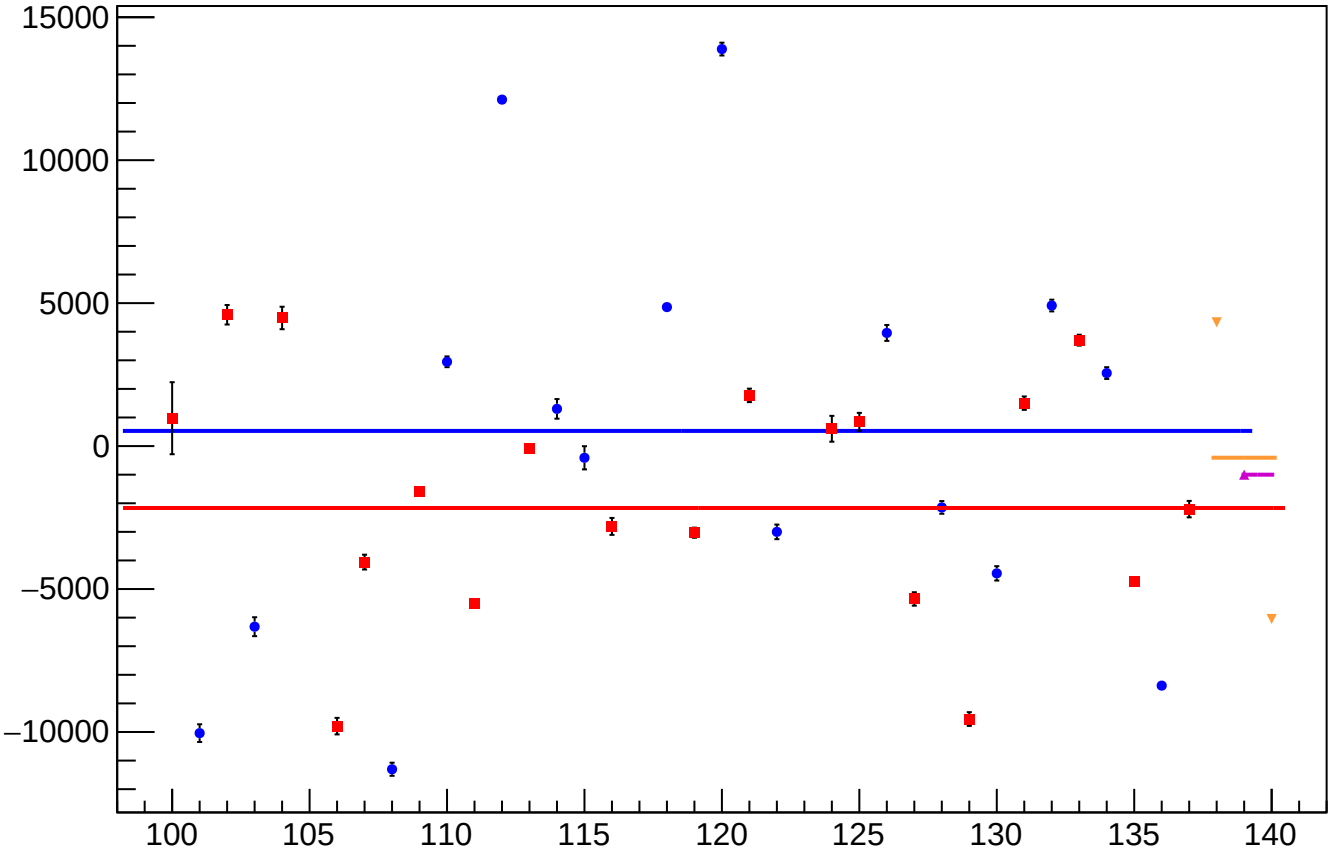
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 97.982+/-0.026 χ^2/NDF:868165.5/16

Out: 96.123+/-0.024 χ^2/NDF:1013328.4/20

All: 96.976+/-0.018 χ^2/NDF: 1884257.3/37

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -406.990+/-114.966 χ^2/NDF:2020.9/1

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -1000.219+/-158.267 χ^2/NDF:0.0/0

Left: -611.894+/-93.016 χ^2/NDF: 2030.1/2

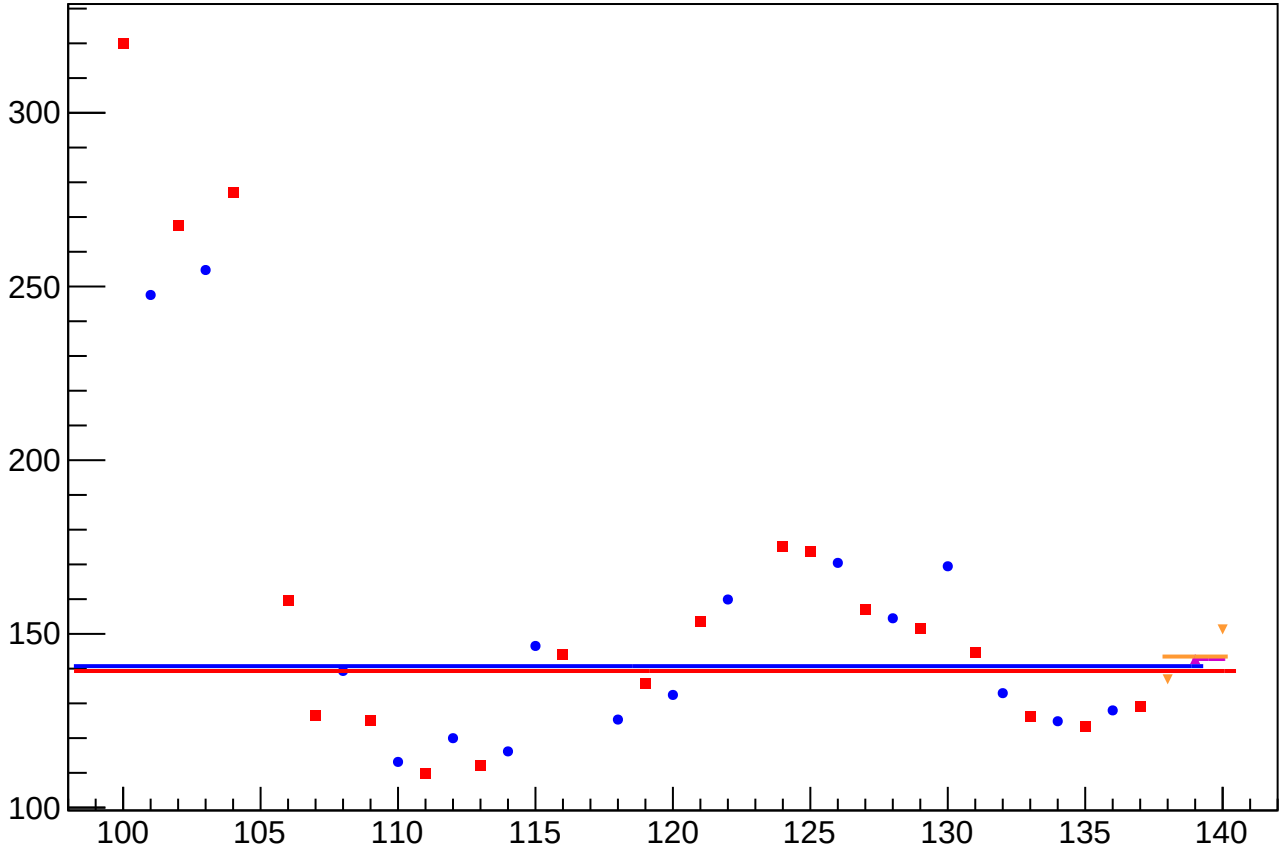
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: 366.398+/-51.830 χ^2/NDF:18671.1/16

Out: -1852.461+/-48.474 χ^2/NDF:7180.3/20

All: -817.186+/-35.403 χ^2/NDF: 26829.0/37

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 143.478+/-0.081 χ^2/NDF:7750.5/1

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 142.779+/-0.112 χ^2/NDF:0.0/0

Left: 143.237+/-0.066 χ^2/NDF: 7776.1/2

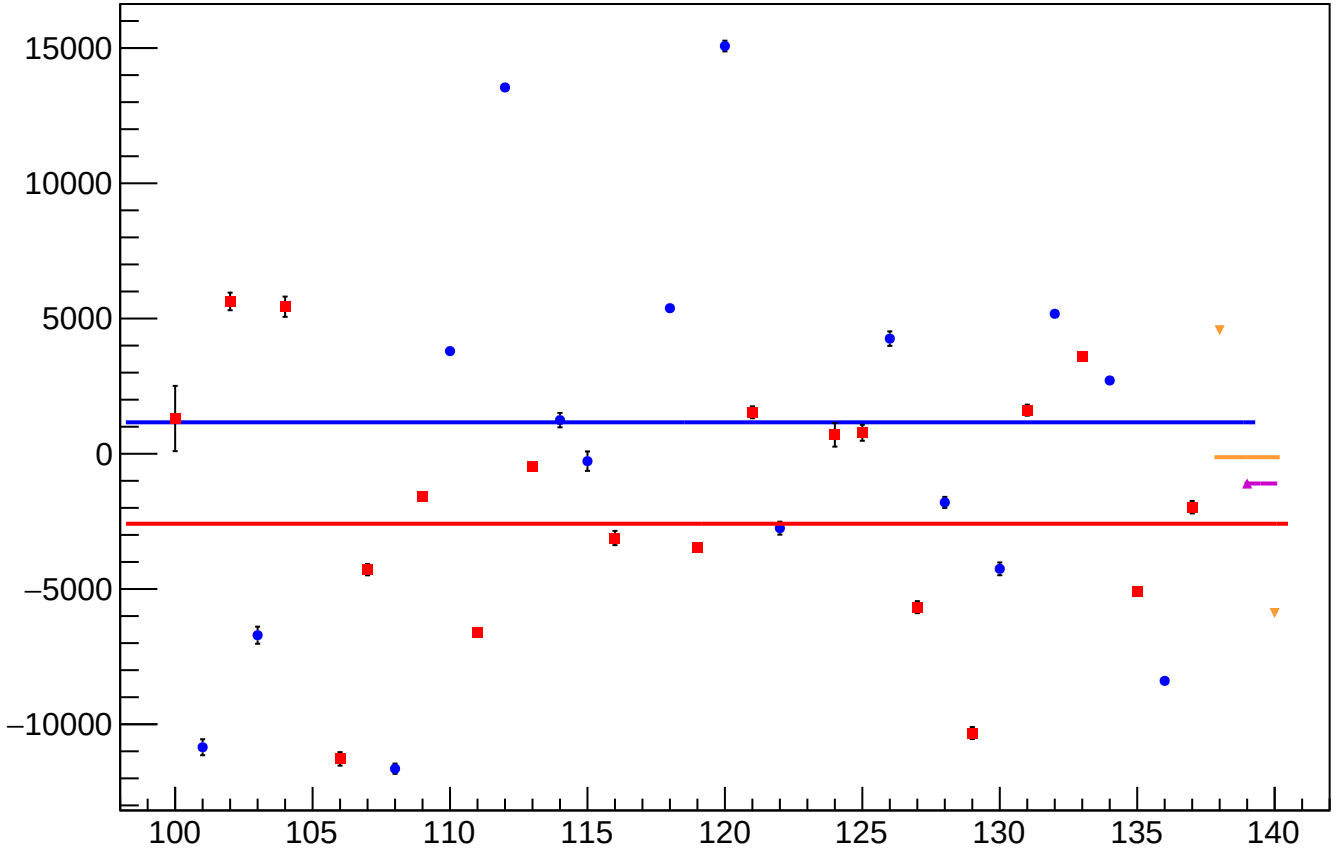
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 140.937+/-0.037 χ^2/NDF:675922.2/16

Out: 140.057+/-0.034 χ^2/NDF:812222.1/20

All: 140.467+/-0.025 χ^2/NDF: 1488451.7/37

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -127.487+/-99.804 χ^2/NDF:2713.3/1

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -1098.896+/-136.194 χ^2/NDF:0.0/0

Left: -466.885+/-80.503 χ^2/NDF: 2746.4/2

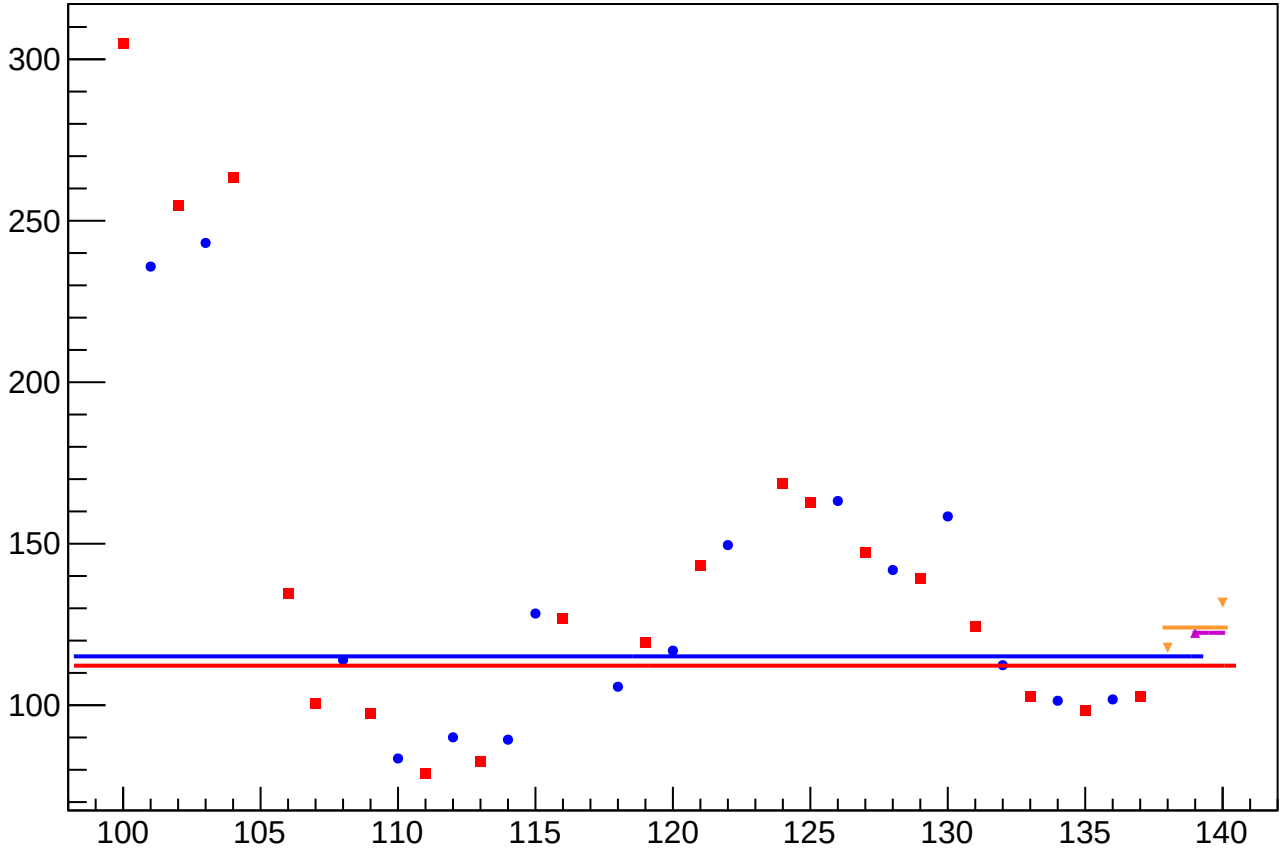
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: 932.002+/-43.522 χ^2/NDF:31002.0/16

Out: -2182.644+/-40.457 χ^2/NDF:11320.4/20

All: -738.834+/-29.632 χ^2/NDF: 45069.8/37

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 124.050+/-0.071 χ^2/NDF:9667.6/1

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 122.409+/-0.096 χ^2/NDF:0.0/0

Left: 123.477+/-0.057 χ^2/NDF: 9856.4/2

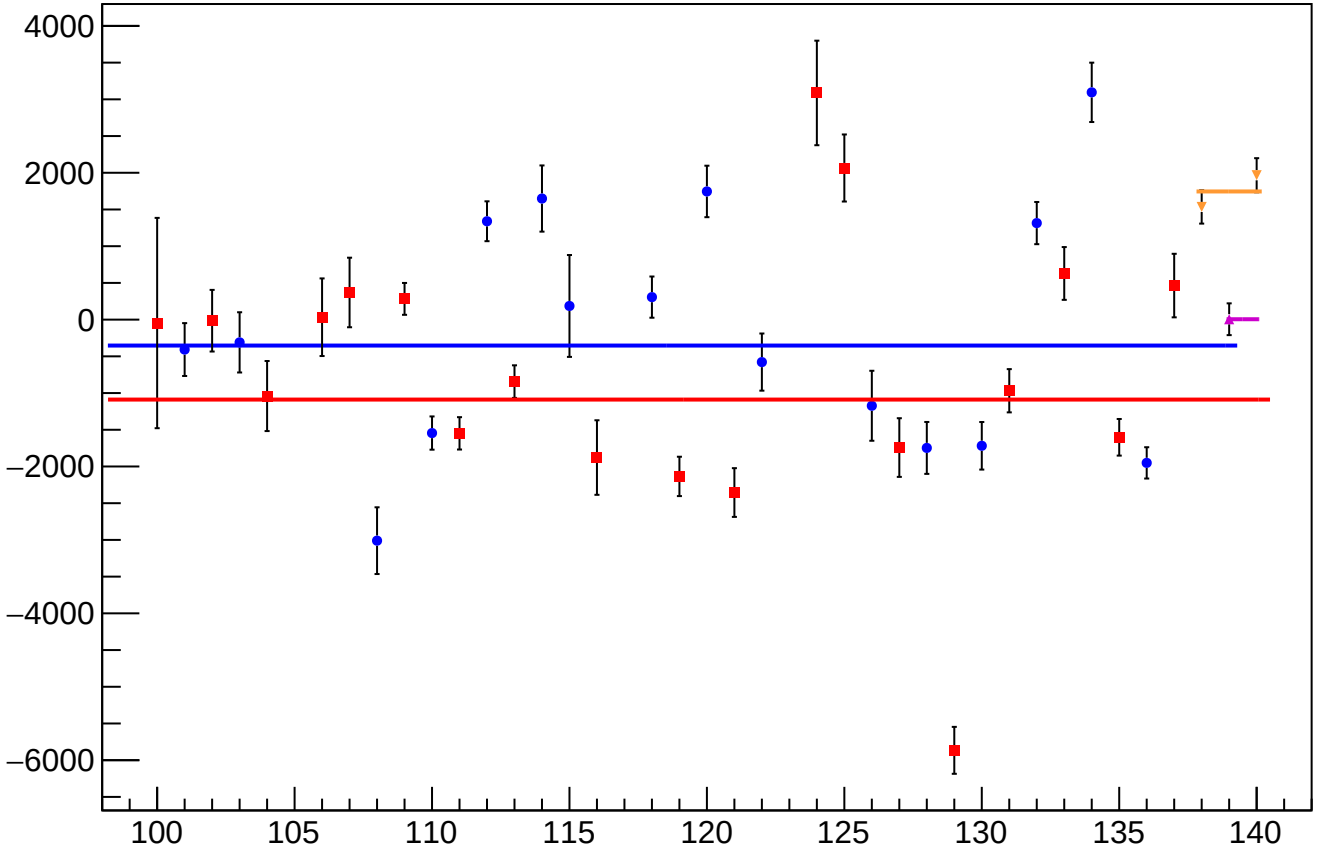
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 115.869+/-0.031 χ^2/NDF:1118123.5/16

Out: 114.182+/-0.029 χ^2/NDF:1361222.3/20

All: 114.964+/-0.021 χ^2/NDF: 2480959.0/37

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1745.435+/-162.218 χ^2/NDF:1.8/1

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 5.319+/-216.376 χ^2/NDF:0.0/0

Left: 1119.308+/-129.793 χ^2/NDF: 43.2/2

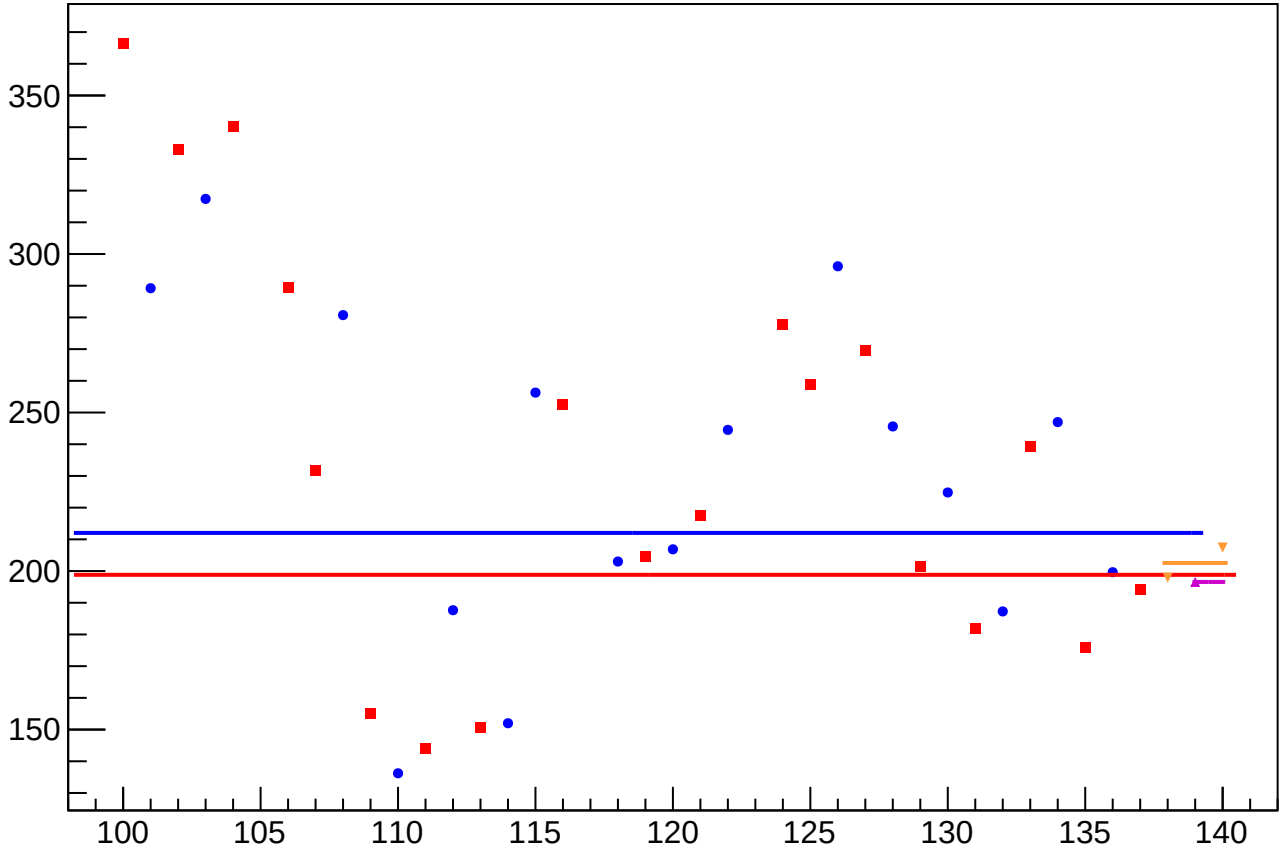
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -307.984+/-76.789 χ^2/NDF:364.2/16

Out: -573.737+/-69.150 χ^2/NDF:698.7/20

All: -454.733+/-51.386 χ^2/NDF: 1069.5/37

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 202.554+/-0.115 χ^2/NDF:1709.8/1

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 196.566+/-0.153 χ^2/NDF:0.0/0

Left: 200.399+/-0.092 χ^2/NDF: 2690.5/2

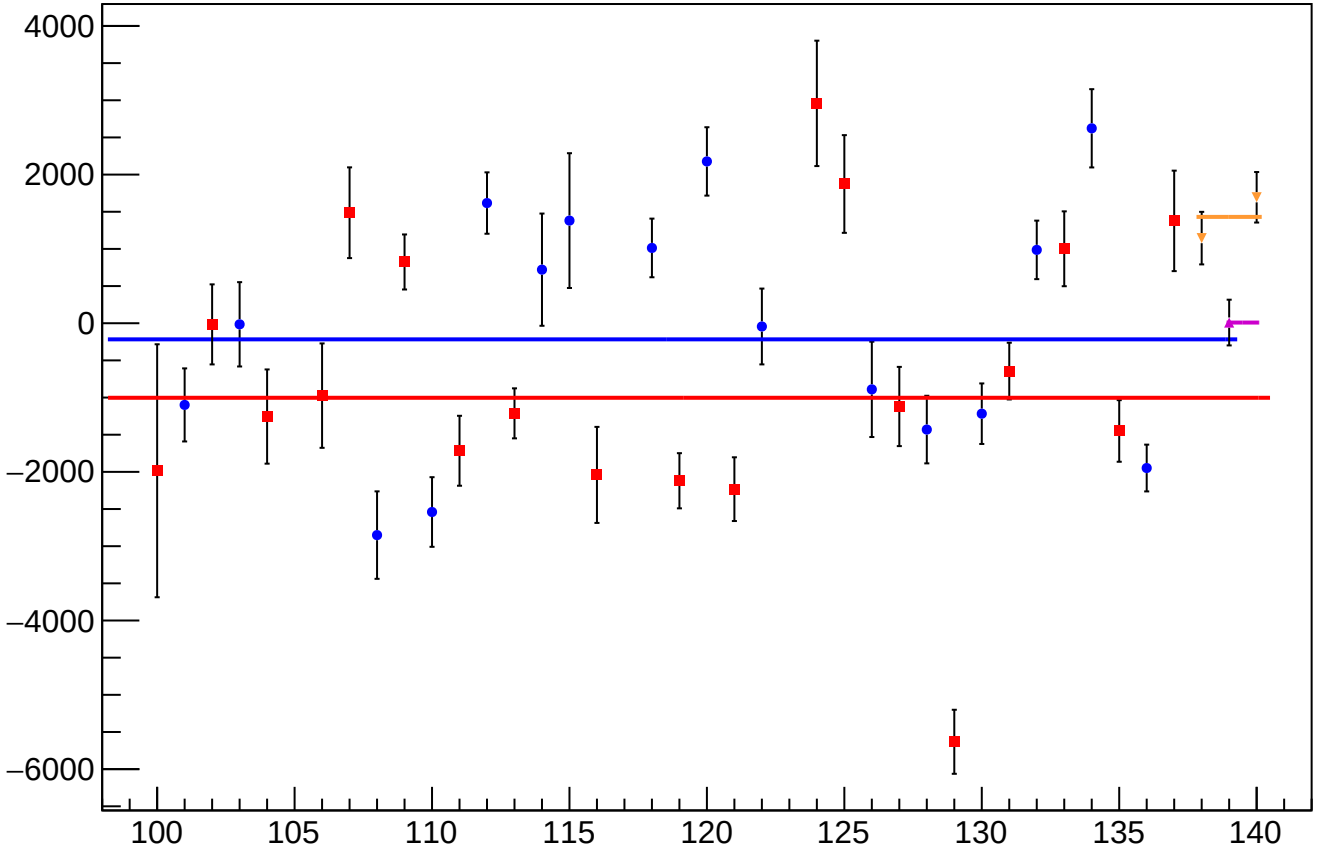
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 210.080+/-0.054 χ^2/NDF:699284.1/16

Out: 199.490+/-0.049 χ^2/NDF:977510.4/20

All: 204.232+/-0.036 χ^2/NDF: 1697800.2/37

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1430.732+/-245.030 χ^2/NDF:1.3/1

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: 9.106+/-307.583 χ^2/NDF:0.0/0

Left: 878.804+/-191.651 χ^2/NDF: 14.3/2

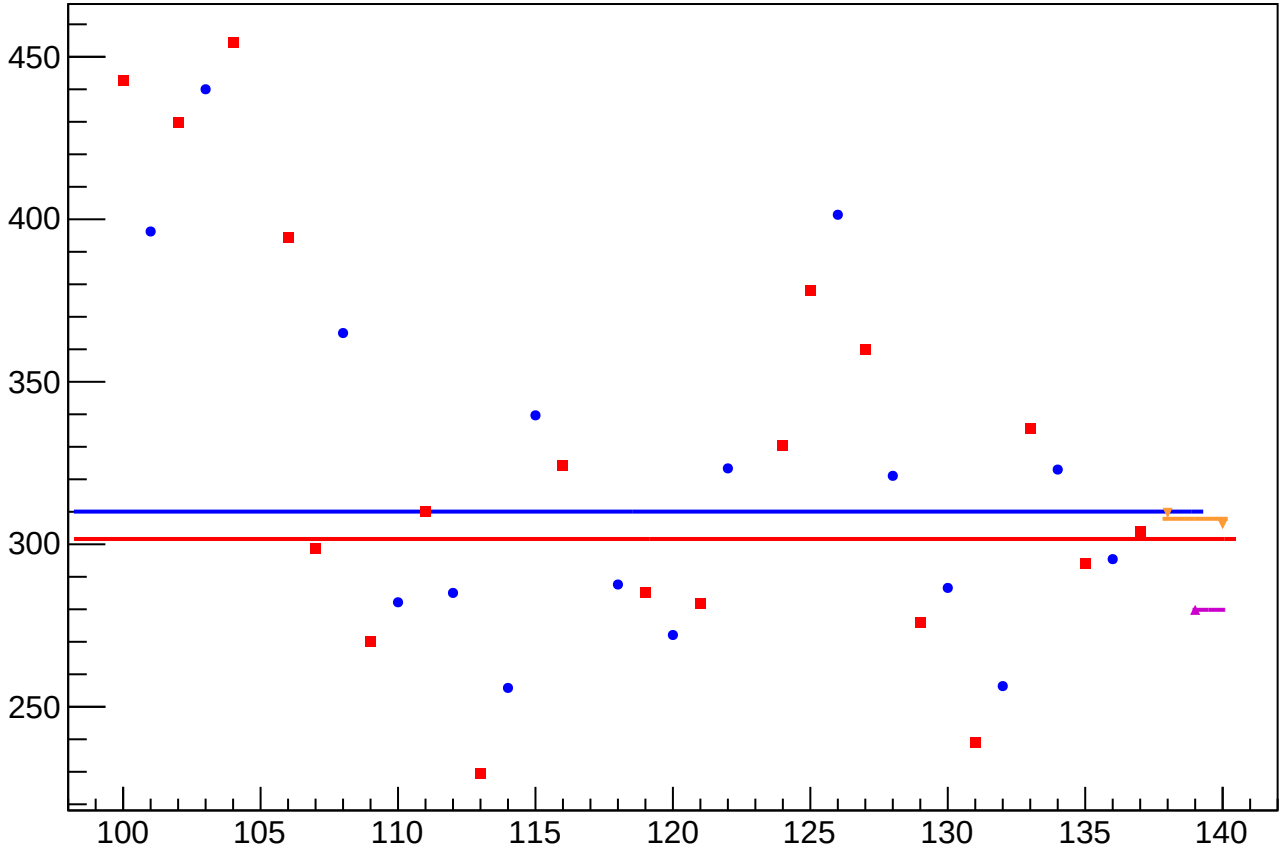
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -187.995+/-110.079 χ^2/NDF:192.6/16

Out: -575.530+/-102.697 χ^2/NDF:336.9/20

All: -395.192+/-75.092 χ^2/NDF: 536.2/37

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 307.851+/-0.173 χ^2/NDF:101.5/1

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 279.843+/-0.217 χ^2/NDF:0.0/0

Left: 296.977+/-0.136 χ^2/NDF: 10246.6/2

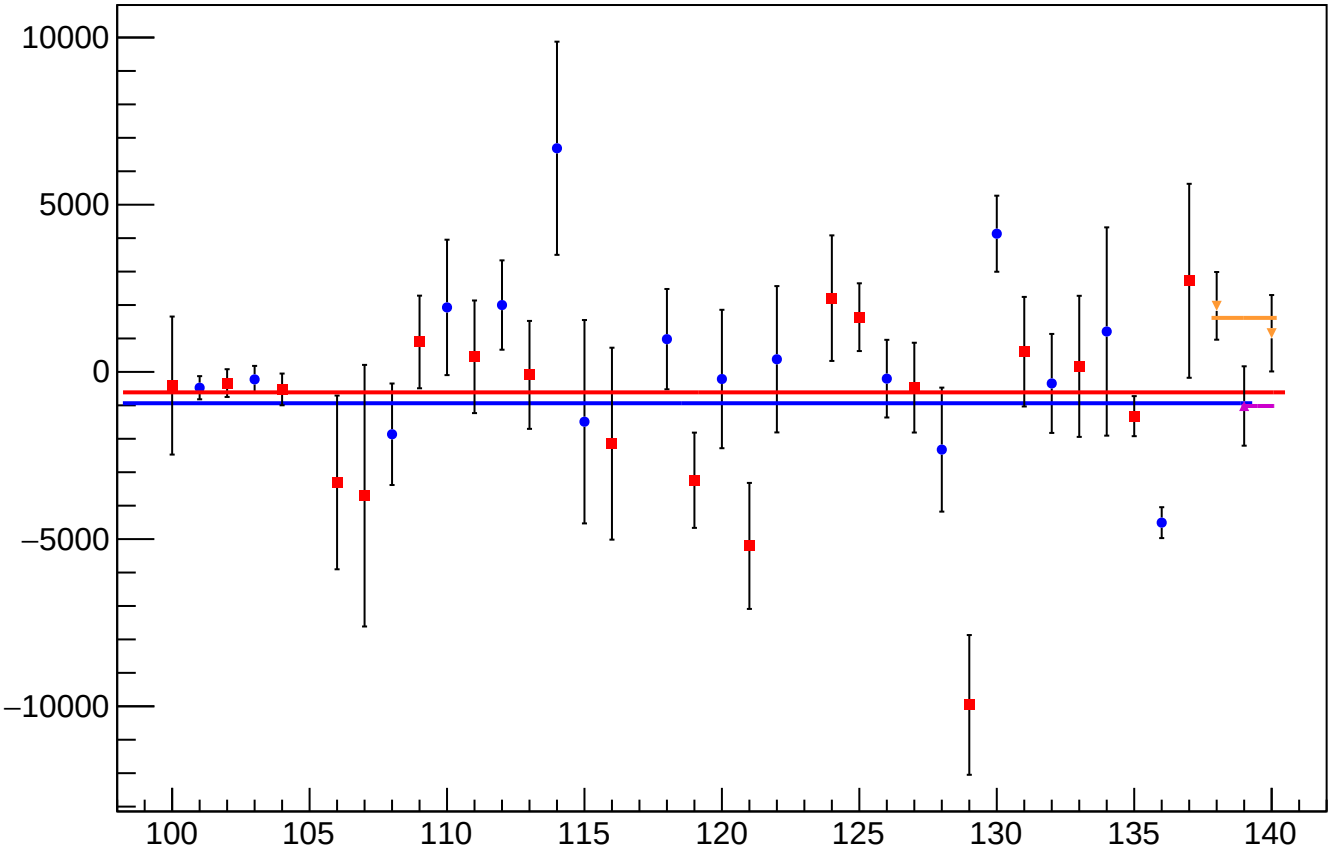
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 306.191+/-0.078 χ^2/NDF:340115.4/16

Out: 302.729+/-0.073 χ^2/NDF:521050.8/20

All: 304.340+/-0.053 χ^2/NDF: 862224.4/37

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1615.179+/-757.667 χ^2/NDF:0.3/1

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -1019.398+/-1187.108 χ^2/NDF:0.0/0

Left: 852.604+/-638.670 χ^2/NDF: 3.8/2

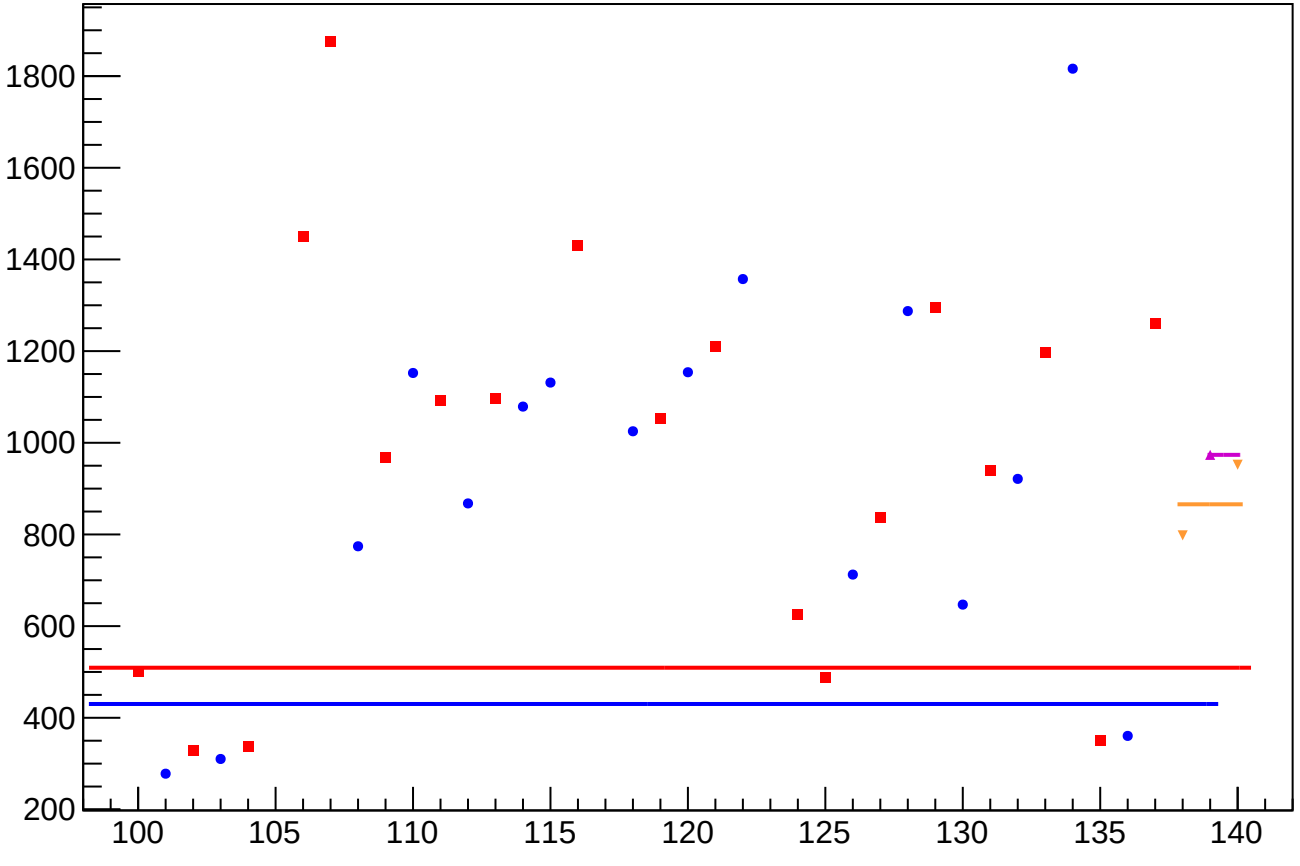
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -939.331+/-201.739 χ^2/NDF:101.2/16

Out: -419.052+/-222.833 χ^2/NDF:52.3/20

All: -704.977+/-149.554 χ^2/NDF: 156.5/37

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 865.782+/-0.536 χ^2/NDF:20385.7/1

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 973.674+/-0.839 χ^2/NDF:0.0/0

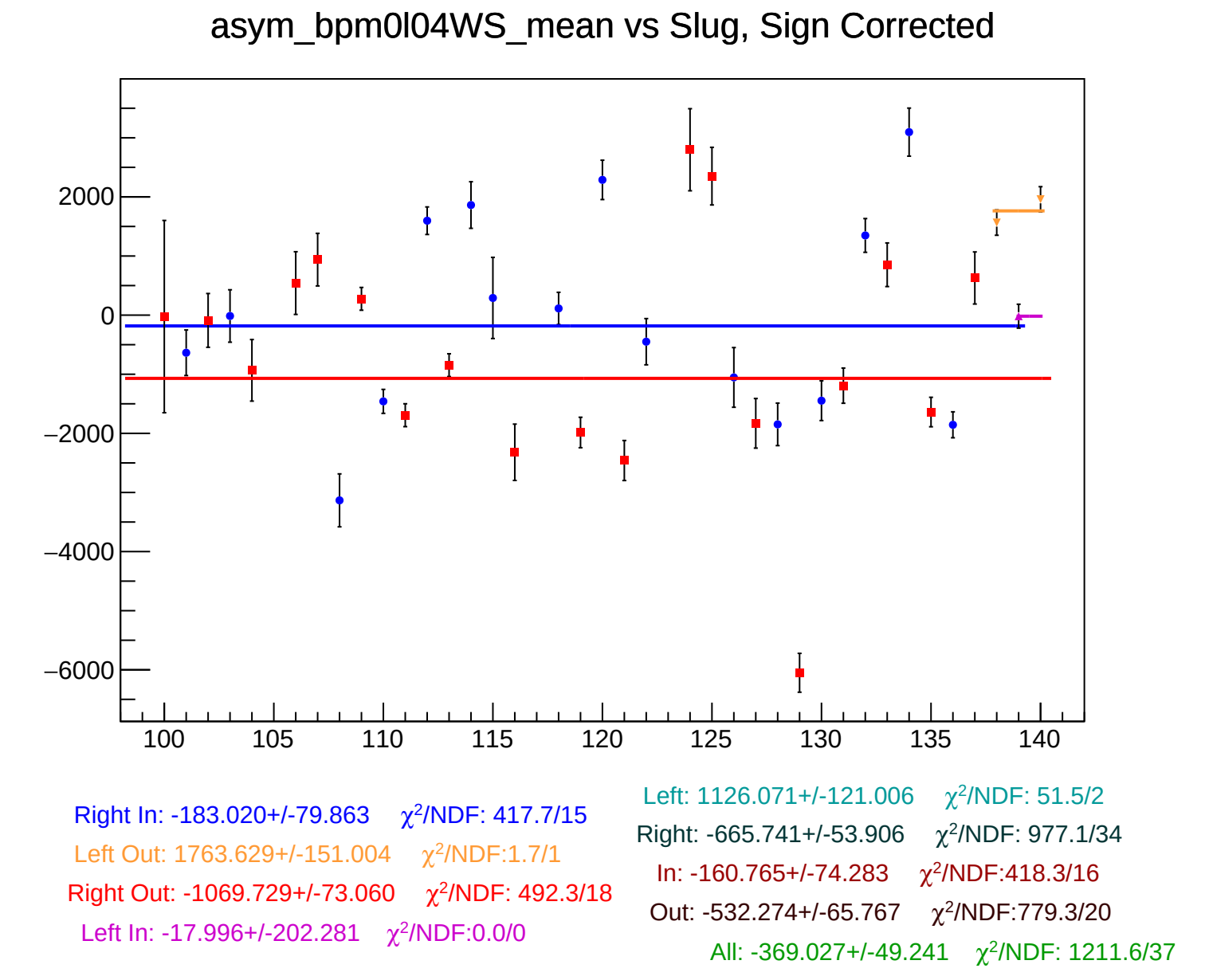
Left: 897.011+/-0.452 χ^2/NDF: 32124.4/2

Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

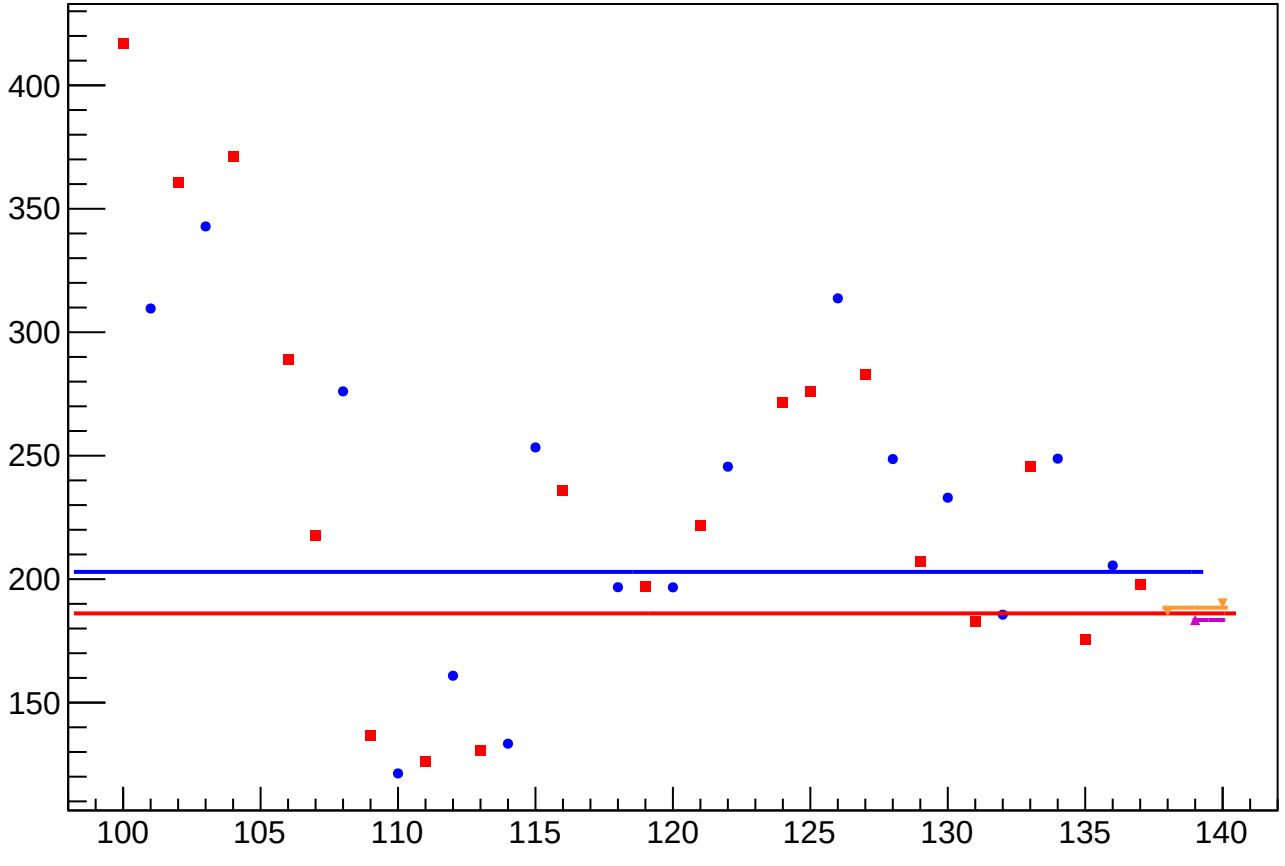
In: 445.808+/-0.143 χ^2/NDF:3929075.9/16

Out: 540.076+/-0.158 χ^2/NDF:4098401.1/20

All: 488.270+/-0.106 χ^2/NDF: 8224180.4/37


asym_bpm0l04WS_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
100
105
110
115
120
125
130
135
140
Right In: -183.020+/-79.863 χ²/NDF: 417.7/15
Left Out: 1763.629+/-151.004 χ²/NDF:1.7/1
Right Out: -1069.729+/-73.060 χ²/NDF: 492.3/18
Left In: -17.996+/-202.281 χ²/NDF:0.0/0
Left: 1126.071+/-121.006 χ²/NDF: 51.5/2
Right: -665.741+/-53.906 χ²/NDF: 977.1/34
In: -160.765+/-74.283 χ²/NDF:418.3/16
Out: -532.274+/-65.767 χ²/NDF:779.3/20
All: -369.027+/-49.241 χ²/NDF: 1211.6/37

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 188.466+/-0.107 χ^2/NDF:253.5/1

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 183.456+/-0.143 χ^2/NDF:0.0/0

Left: 186.673+/-0.086 χ^2/NDF: 1041.5/2

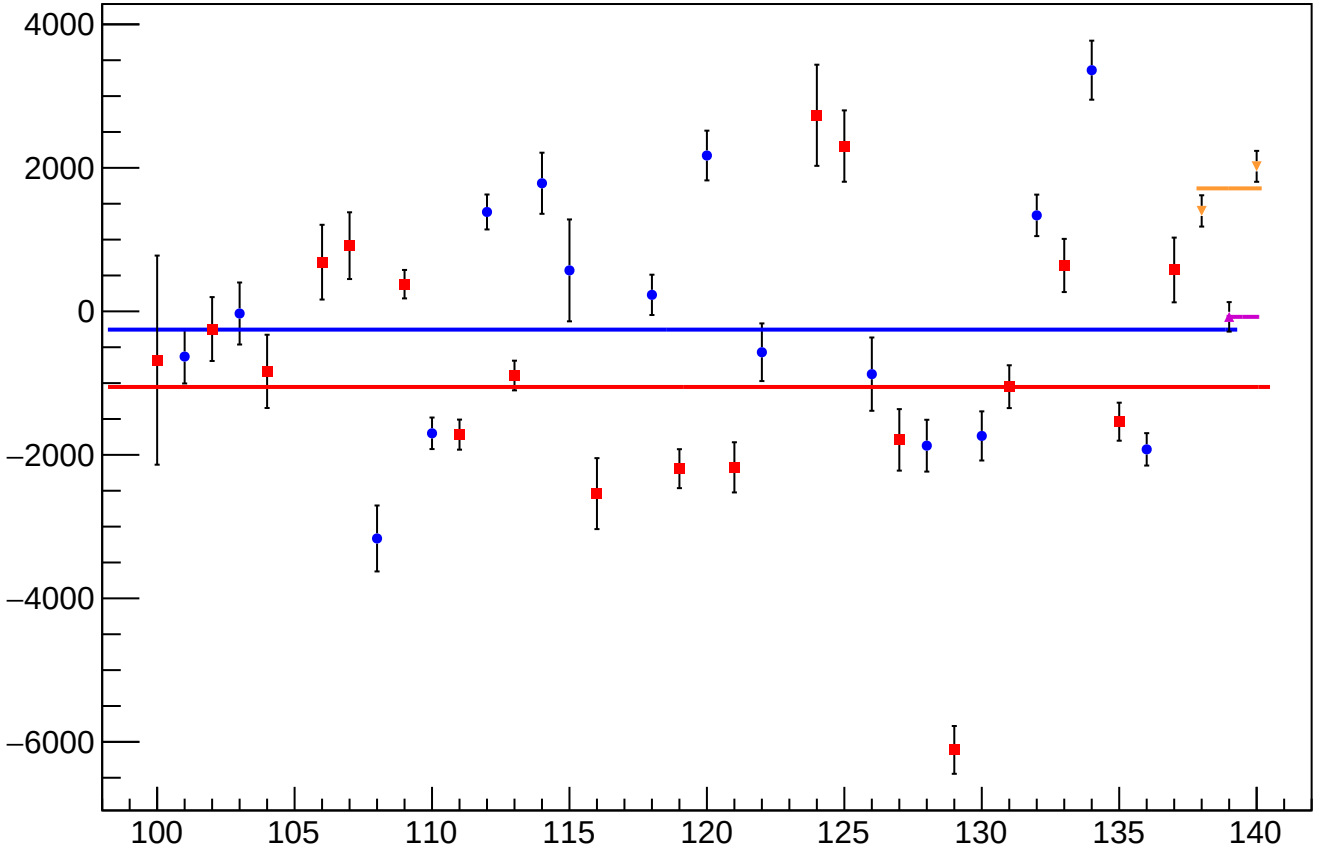
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 200.314+/-0.053 χ^2/NDF:1087915.4/16

Out: 186.572+/-0.047 χ^2/NDF:1482306.1/20

All: 192.610+/-0.035 χ^2/NDF: 2608587.0/37

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1713.957+/-153.328 χ^2/NDF:4.1/1

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: -76.588+/-205.567 χ^2/NDF:0.0/0

Left: 1073.900+/-122.905 χ^2/NDF: 52.9/2

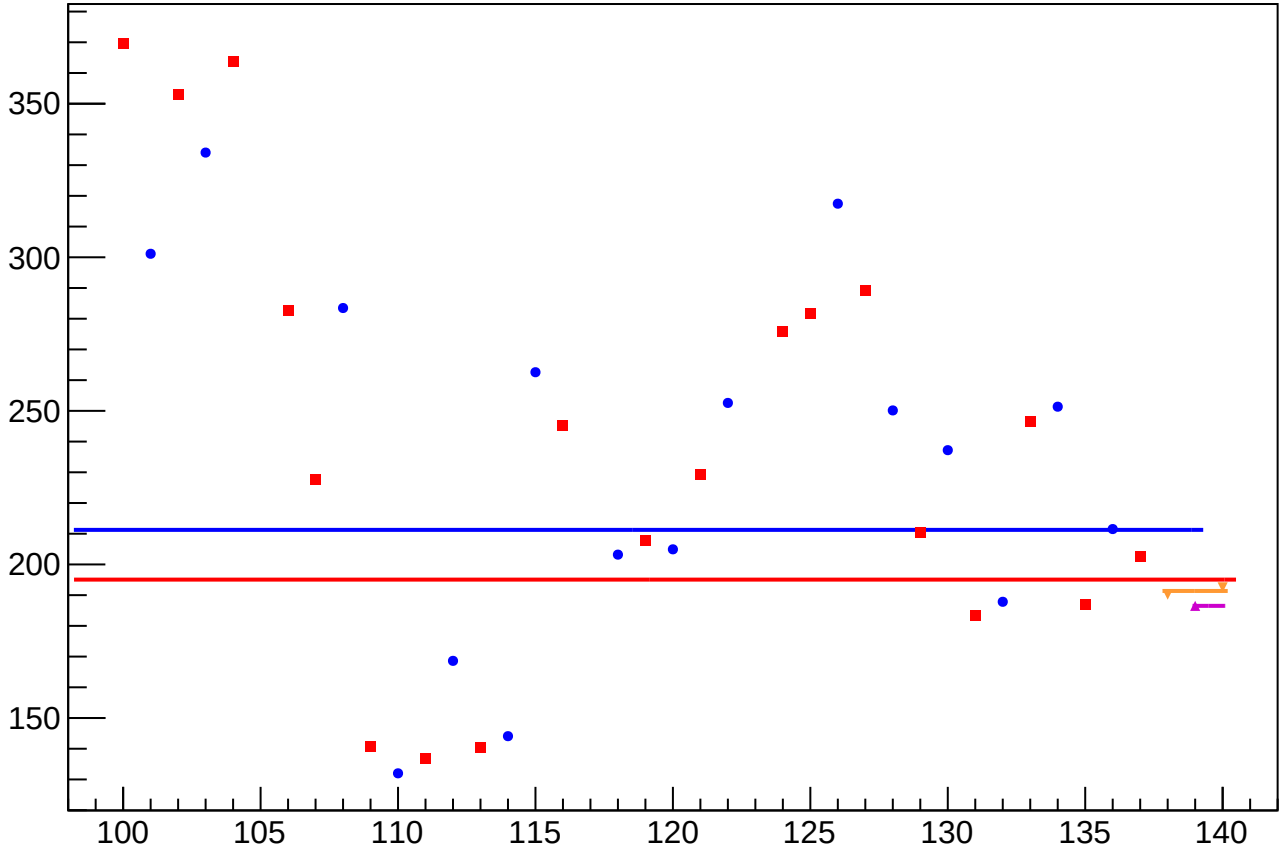
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -229.799+/-76.556 χ^2/NDF:409.9/16

Out: -508.211+/-68.072 χ^2/NDF:743.4/20

All: -385.281+/-50.870 χ^2/NDF: 1160.7/37

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 191.364+/-0.108 χ^2/NDF:119.8/1

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 186.515+/-0.145 χ^2/NDF:0.0/0

Left: 189.631+/-0.087 χ^2/NDF: 834.7/2

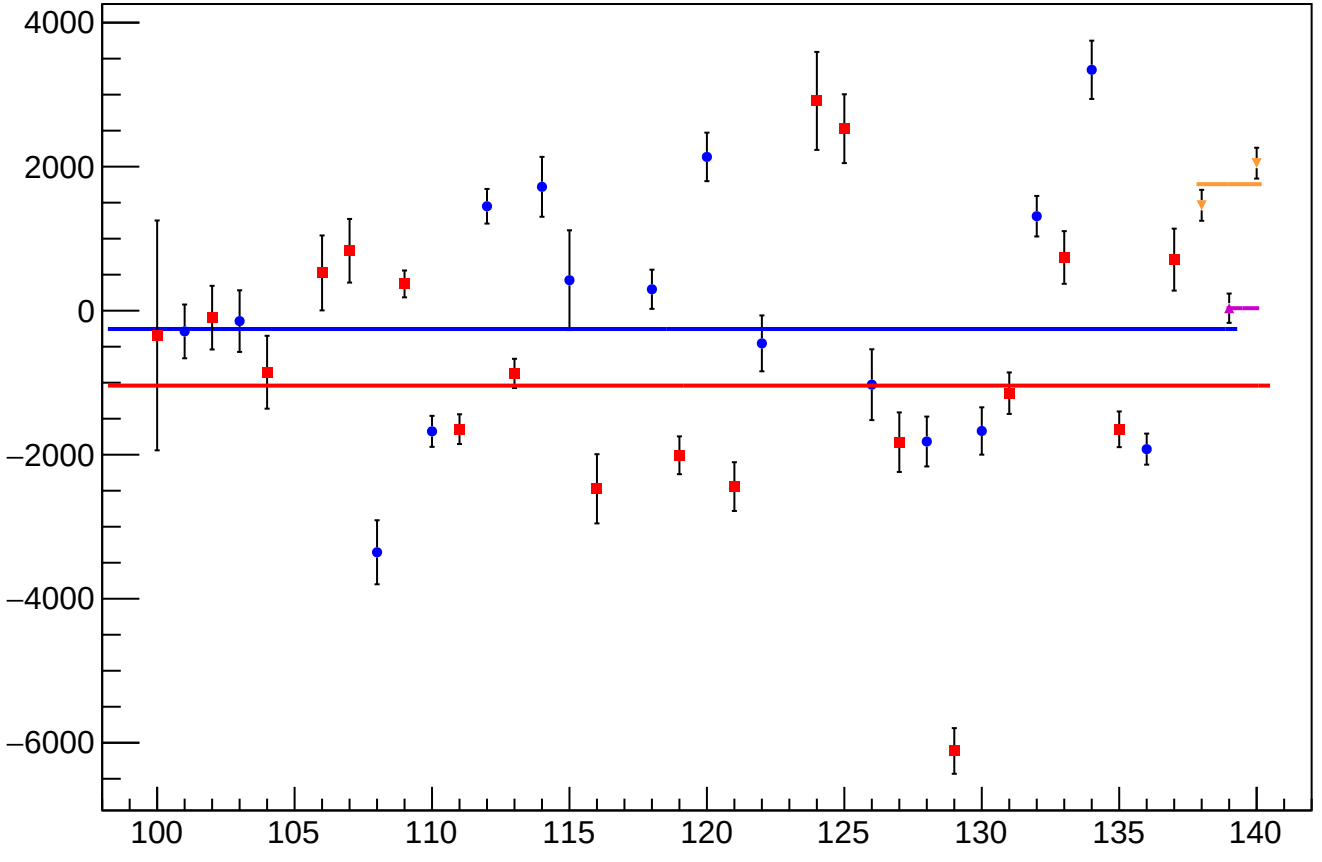
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 207.823+/-0.054 χ^2/NDF:909310.4/16

Out: 194.332+/-0.048 χ^2/NDF:1285933.5/20

All: 200.289+/-0.036 χ^2/NDF: 2229925.3/37

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1756.708+/-151.680 χ^2/NDF:3.7/1

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 34.484+/-203.299 χ^2/NDF:0.0/0

Left: 1140.846+/-121.572 χ^2/NDF: 49.8/2

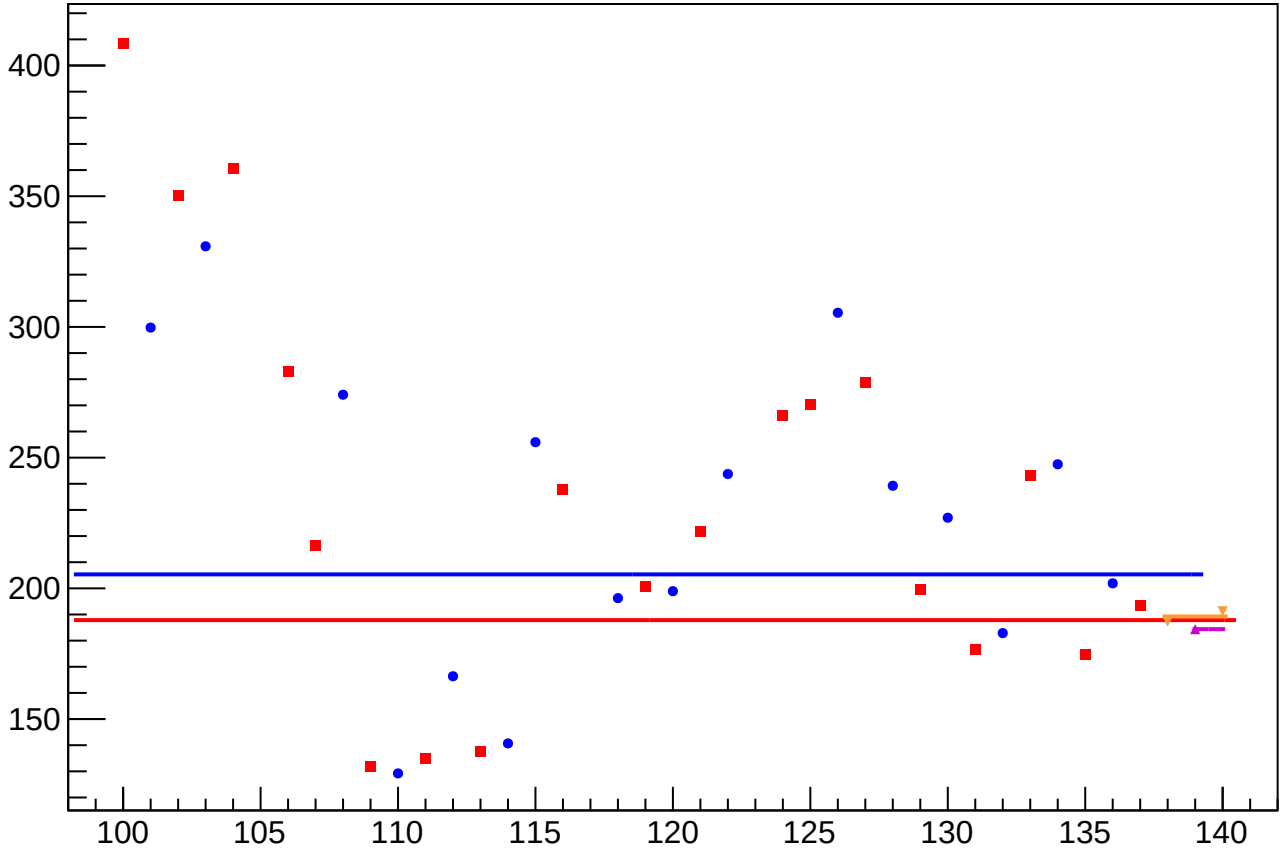
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -215.170+/-74.623 χ^2/NDF:433.8/16

Out: -510.079+/-66.044 χ^2/NDF:812.7/20

All: -380.544+/-49.456 χ^2/NDF: 1255.3/37

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 189.257+/-0.107 χ^2/NDF:338.3/1

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 184.386+/-0.144 χ^2/NDF:0.0/0

Left: 187.515+/-0.086 χ^2/NDF: 1076.1/2

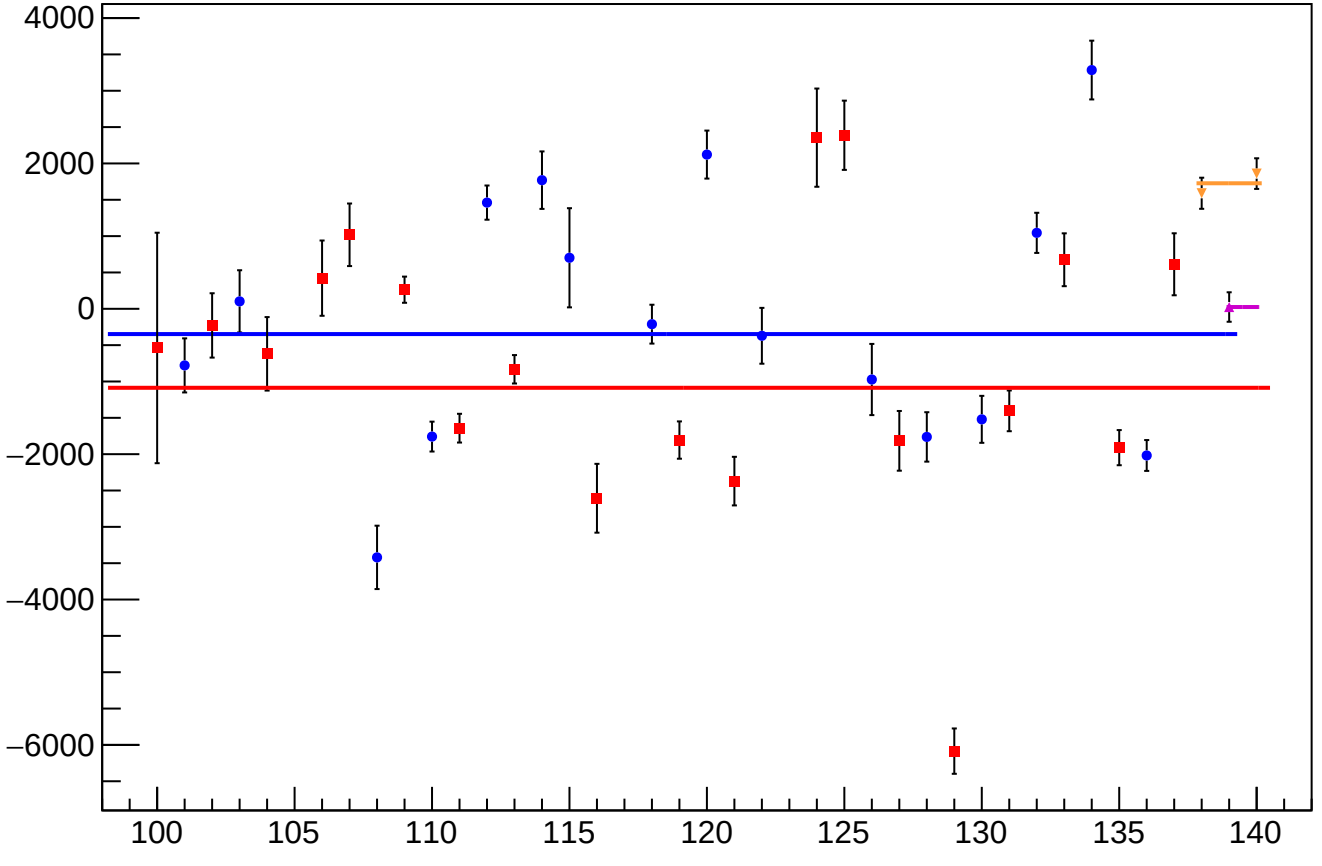
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 202.518+/-0.053 χ^2/NDF:895785.8/16

Out: 188.115+/-0.047 χ^2/NDF:1337527.6/20

All: 194.442+/-0.035 χ^2/NDF: 2275090.4/37

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1727.071+/-150.171 χ^2/NDF:0.8/1

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 24.557+/-202.824 χ^2/NDF:0.0/0

Left: 1124.231+/-120.691 χ^2/NDF: 46.3/2

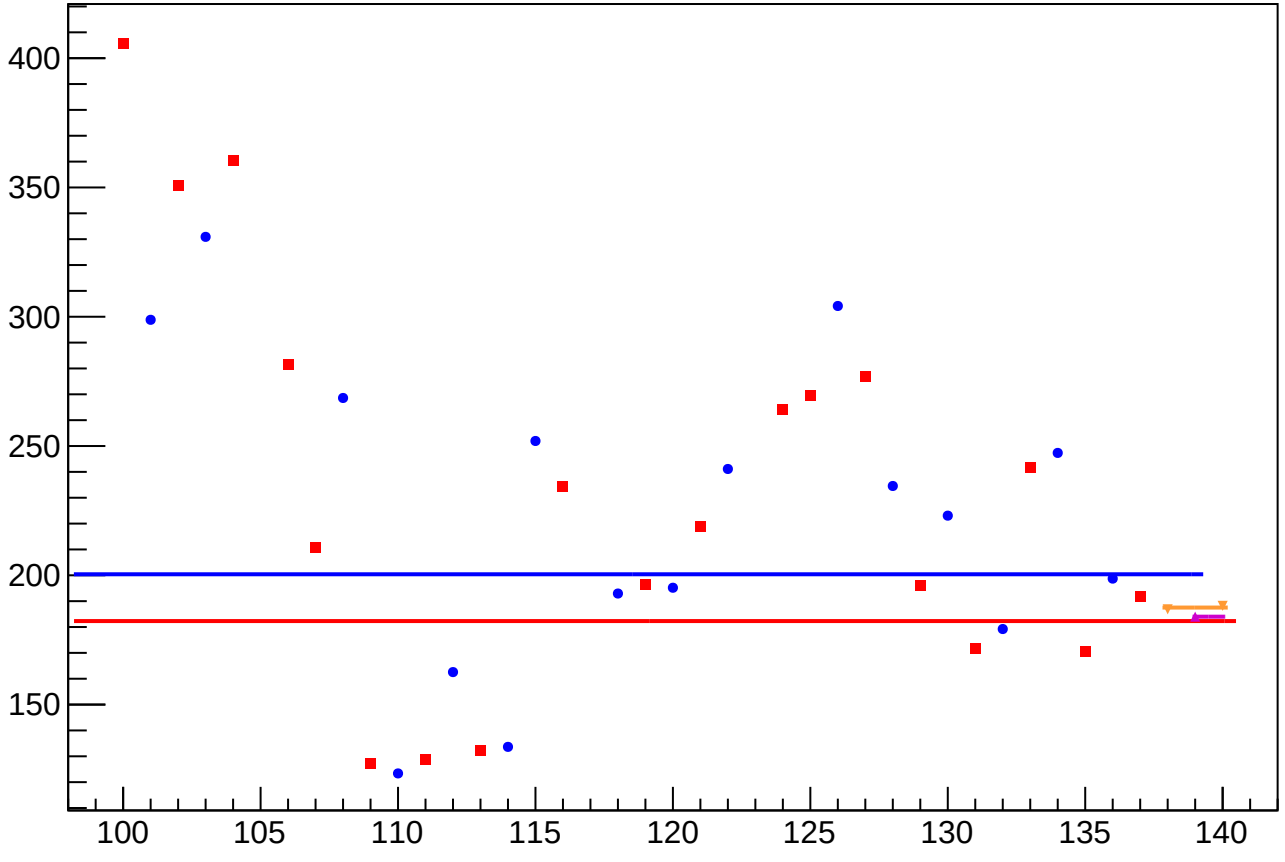
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -299.100+/-73.263 χ^2/NDF:448.7/16

Out: -566.204+/-64.585 χ^2/NDF:814.1/20

All: -449.400+/-48.447 χ^2/NDF: 1270.3/37

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 187.527+/-0.106 χ^2/NDF:39.8/1

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 183.998+/-0.143 χ^2/NDF:0.0/0

Left: 186.277+/-0.085 χ^2/NDF: 430.9/2

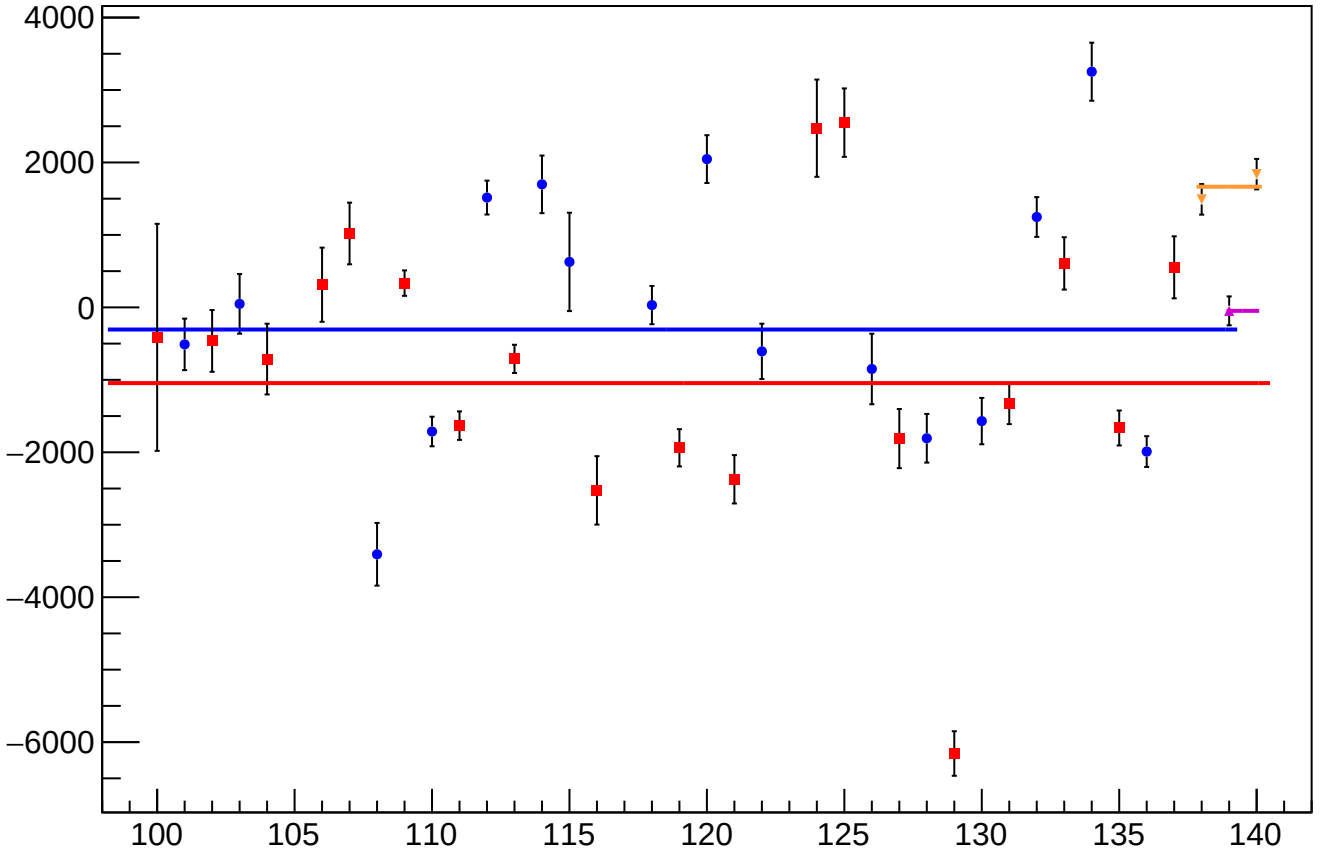
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 198.259+/-0.052 χ^2/NDF:970372.1/16

Out: 183.268+/-0.046 χ^2/NDF:1449210.2/20

All: 189.823+/-0.034 χ^2/NDF: 2466701.3/37

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1665.079+/-148.904 χ^2/NDF:1.4/1

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: -48.066+/-199.605 χ^2/NDF:0.0/0

Left: 1052.570+/-119.352 χ^2/NDF: 48.7/2

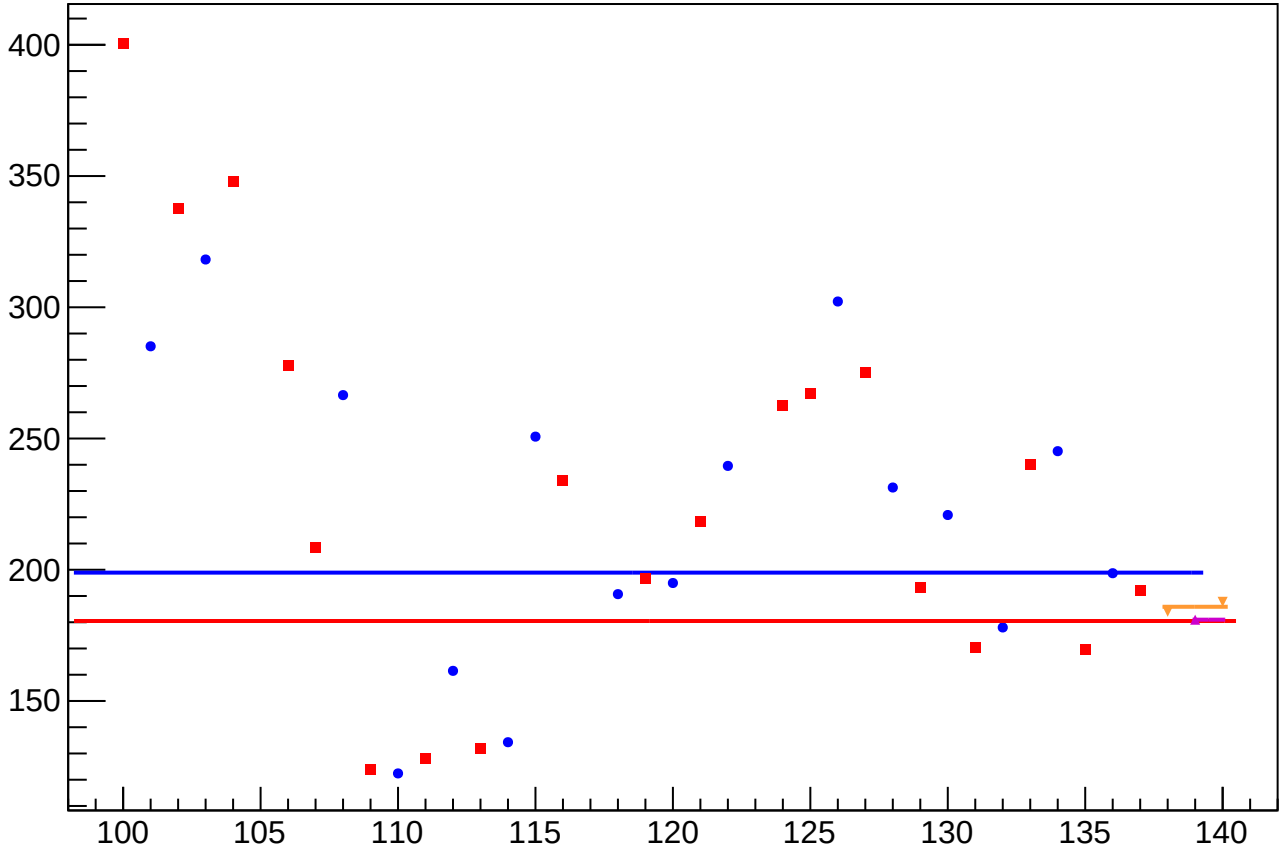
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -271.626+/-72.544 χ^2/NDF:453.3/16

Out: -545.133+/-63.958 χ^2/NDF:823.7/20

All: -425.515+/-47.975 χ^2/NDF: 1284.9/37

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 185.895+/-0.105 χ^2/NDF:319.7/1

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 180.976+/-0.141 χ^2/NDF:0.0/0

Left: 184.136+/-0.084 χ^2/NDF: 1100.0/2

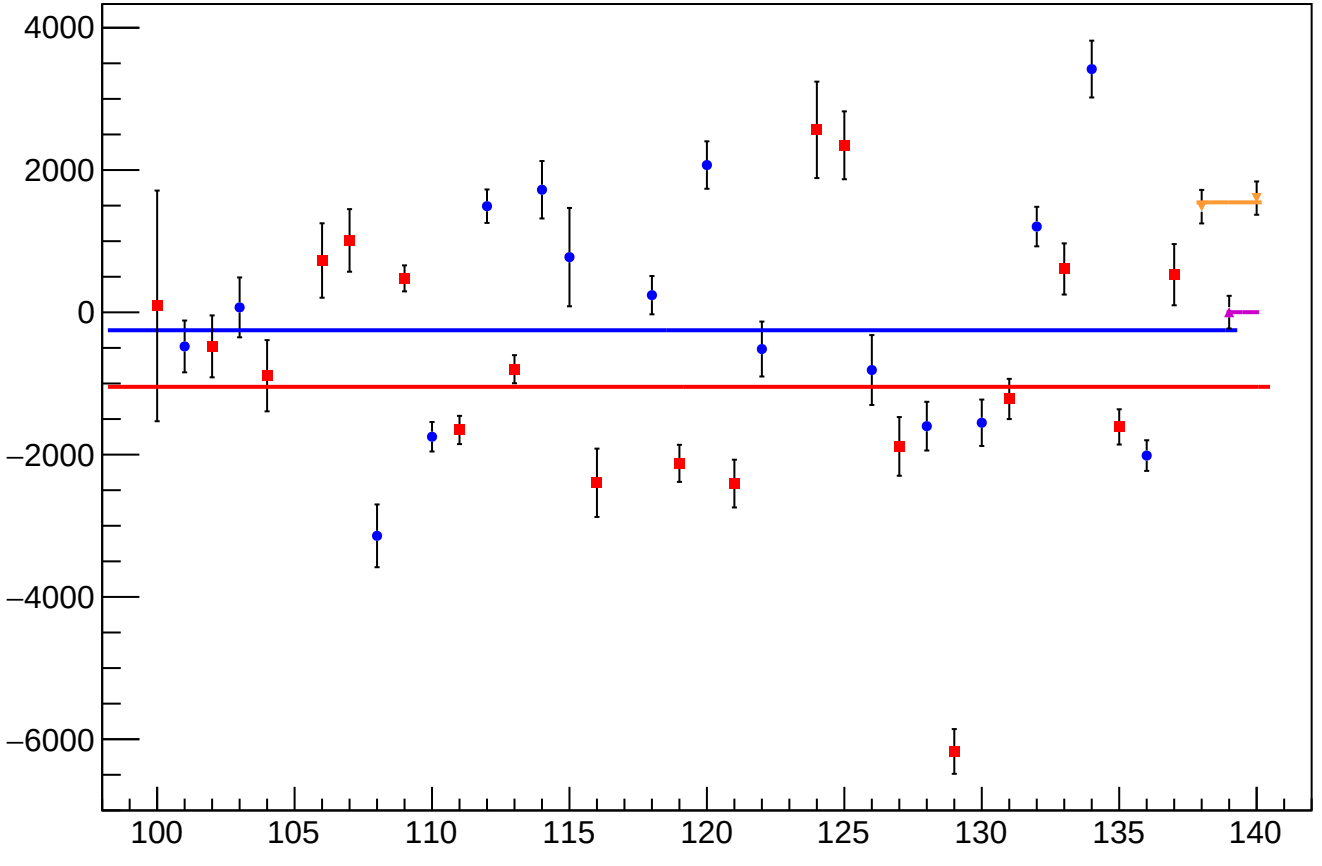
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 196.535+/-0.051 χ^2/NDF:926766.3/16

Out: 181.473+/-0.045 χ^2/NDF:1436918.1/20

All: 188.060+/-0.034 χ^2/NDF: 2412193.0/37

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1545.776+/-166.009 χ^2/NDF:0.1/1

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 2.143+/-229.857 χ^2/NDF:0.0/0

Left: 1016.615+/-134.579 χ^2/NDF: 29.8/2

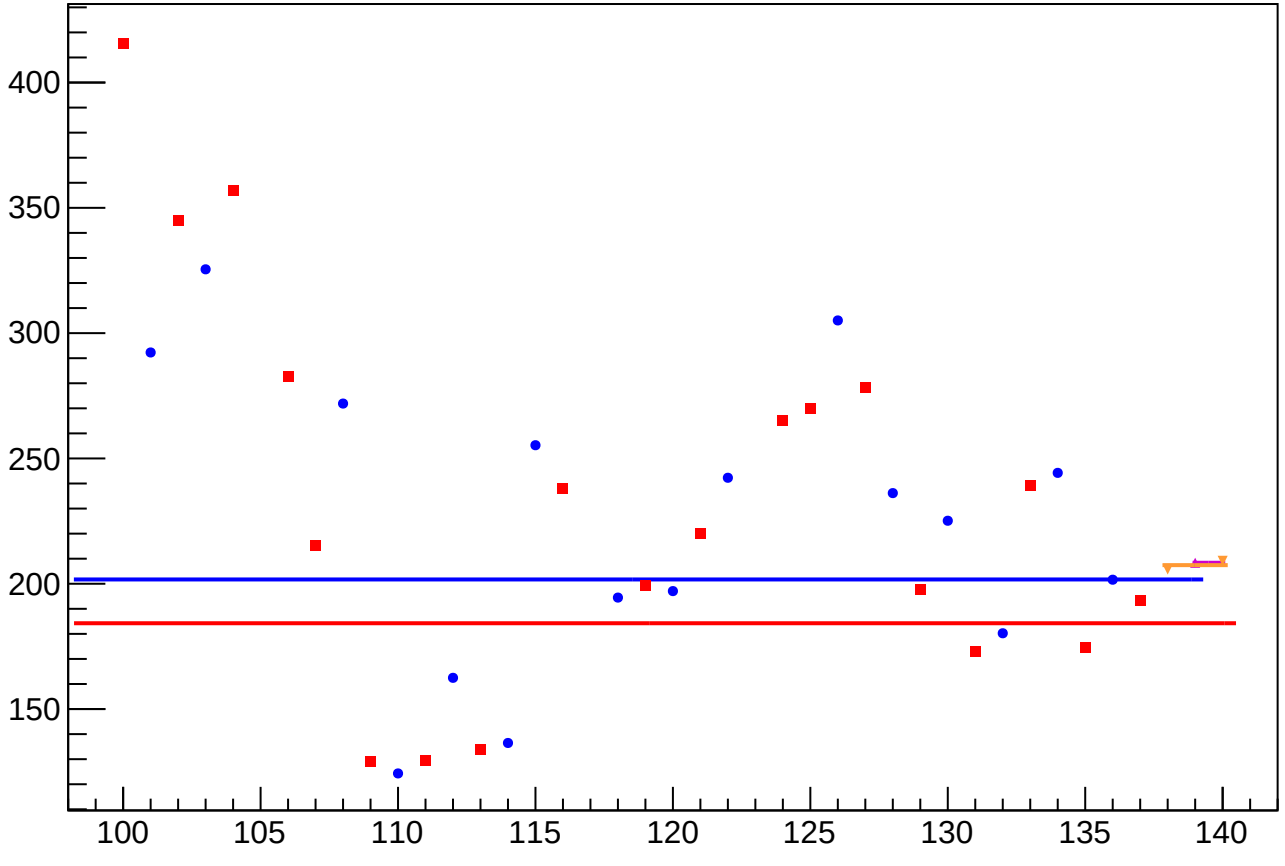
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -224.983+/-74.689 χ^2/NDF:442.3/16

Out: -634.787+/-66.201 χ^2/NDF:752.0/20

All: -454.482+/-49.542 χ^2/NDF: 1211.2/37

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 207.431+/-0.117 χ^2/NDF:217.9/1

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 208.375+/-0.163 χ^2/NDF:0.0/0

Left: 207.754+/-0.095 χ^2/NDF: 240.1/2

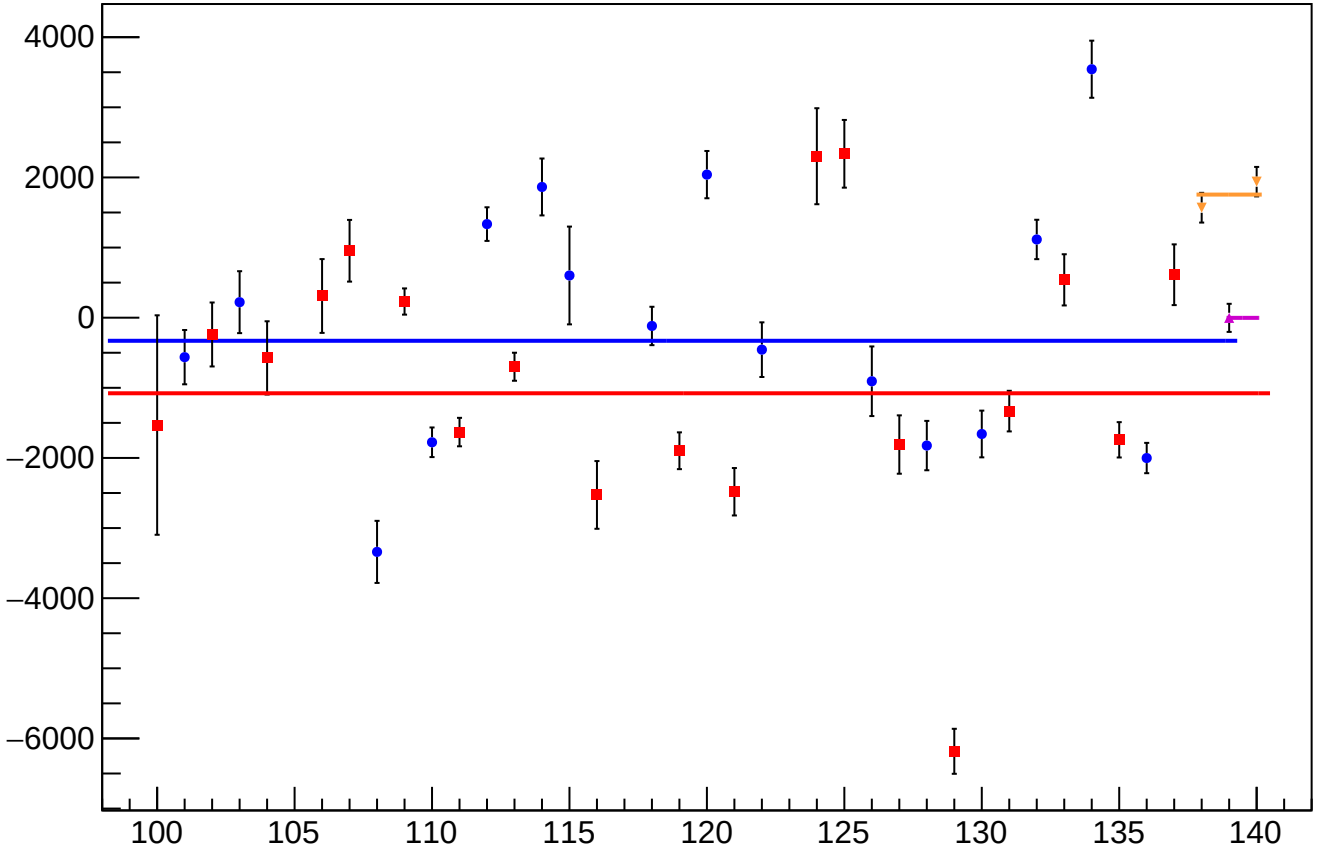
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 202.417+/-0.053 χ^2/NDF:925712.4/16

Out: 187.931+/-0.047 χ^2/NDF:1436791.7/20

All: 194.305+/-0.035 χ^2/NDF: 2404634.9/37

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1755.518+/-149.285 χ^2/NDF:1.5/1

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: -2.377+/-200.272 χ^2/NDF:0.0/0

Left: 1127.639+/-119.691 χ^2/NDF: 51.1/2

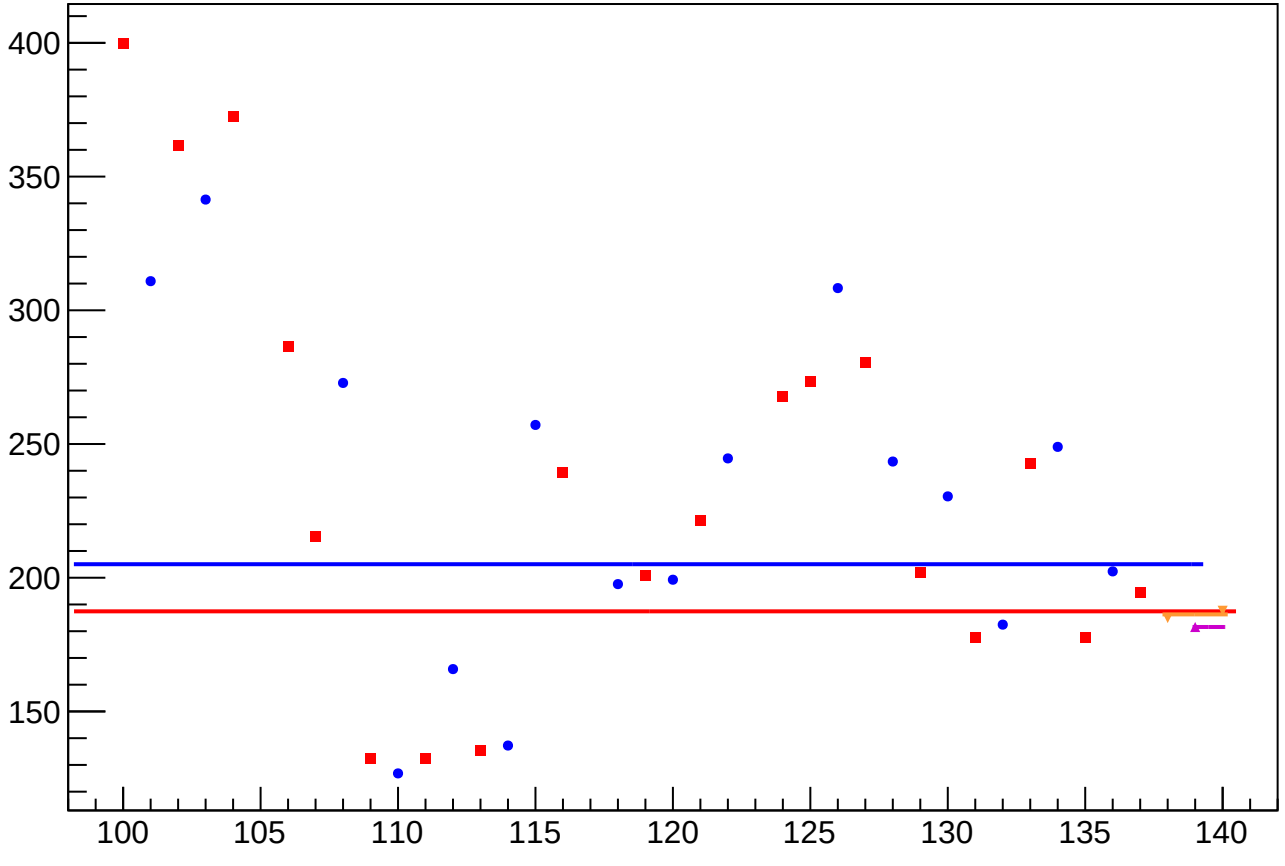
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -284.022+/-74.586 χ^2/NDF:438.7/16

Out: -526.210+/-65.872 χ^2/NDF:793.6/20

All: -420.083+/-49.373 χ^2/NDF: 1238.2/37

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 186.290+/-0.106 χ^2/NDF:166.7/1

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 181.579+/-0.142 χ^2/NDF:0.0/0

Left: 184.607+/-0.085 χ^2/NDF: 877.9/2

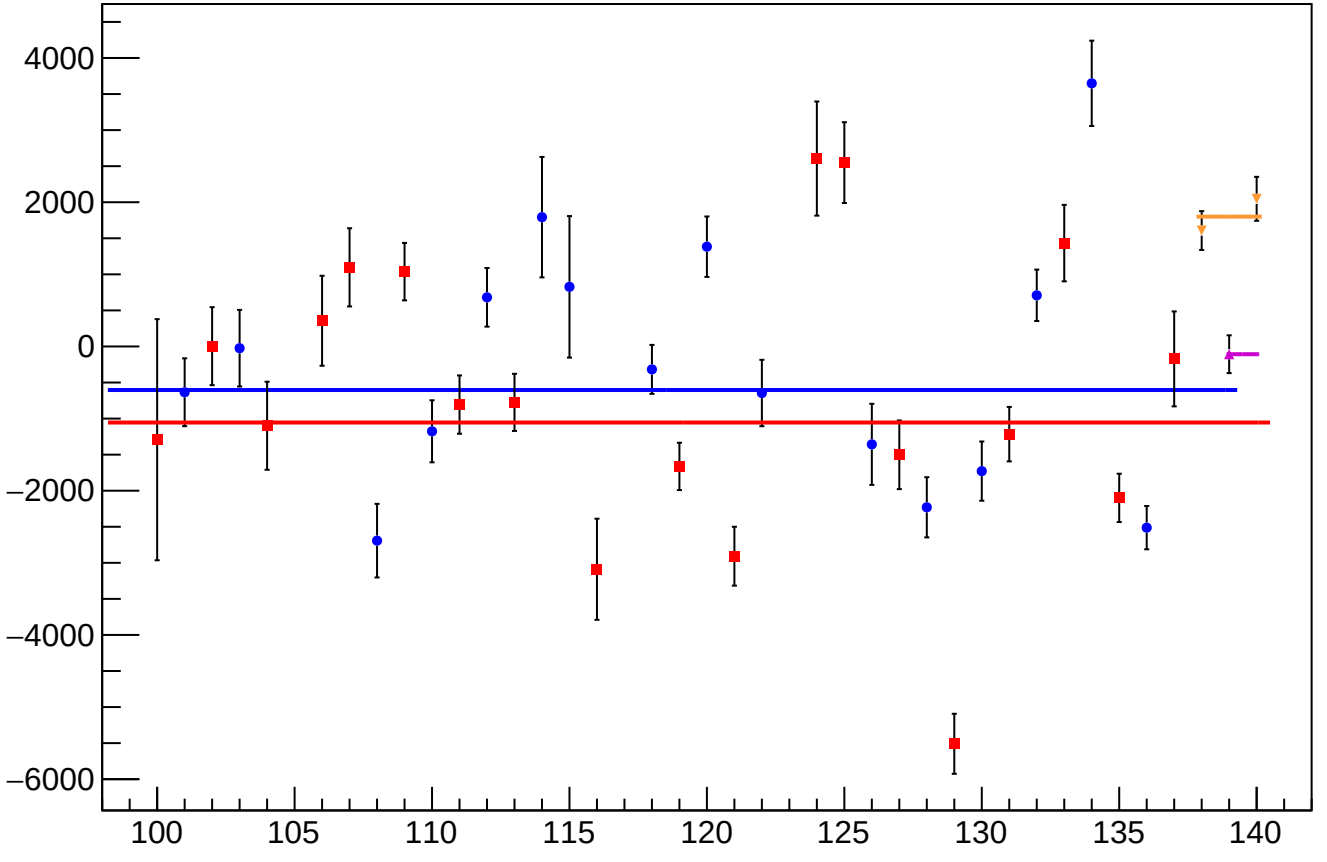
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 201.797+/-0.053 χ^2/NDF:986716.9/16

Out: 187.209+/-0.047 χ^2/NDF:1411063.1/20

All: 193.601+/-0.035 χ^2/NDF: 2440763.3/37

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1800.051+/-201.838 χ^2/NDF:1.2/1

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: -107.299+/-262.087 χ^2/NDF:0.0/0

Left: 1089.972+/-159.913 χ^2/NDF: 34.4/2

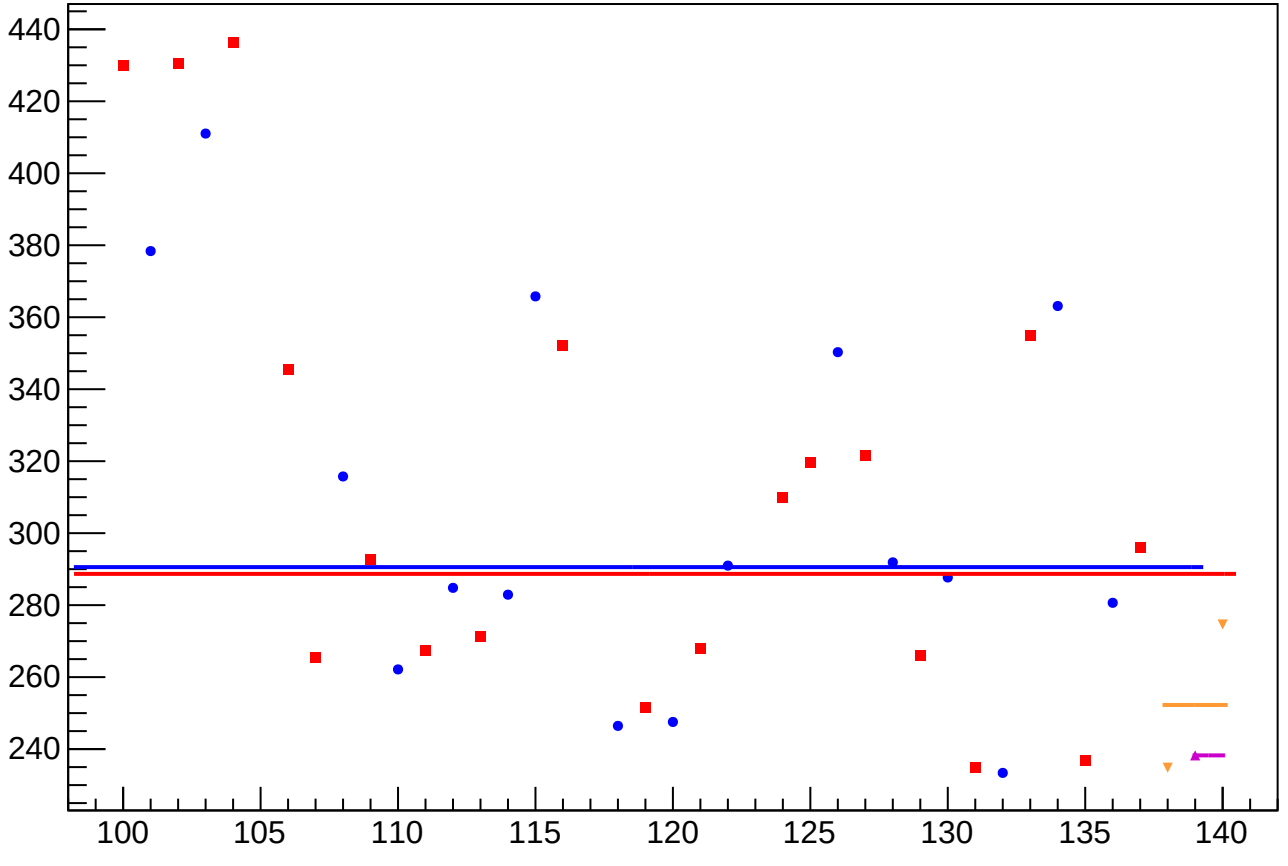
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -528.687+/-101.971 χ^2/NDF:196.6/16

Out: -416.751+/-95.405 χ^2/NDF:454.2/20

All: -469.000+/-69.667 χ^2/NDF: 651.4/37

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 252.265+/-0.143 χ^2/NDF:19141.0/1

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 238.255+/-0.185 χ^2/NDF:0.0/0

Left: 247.049+/-0.113 χ^2/NDF: 22728.6/2

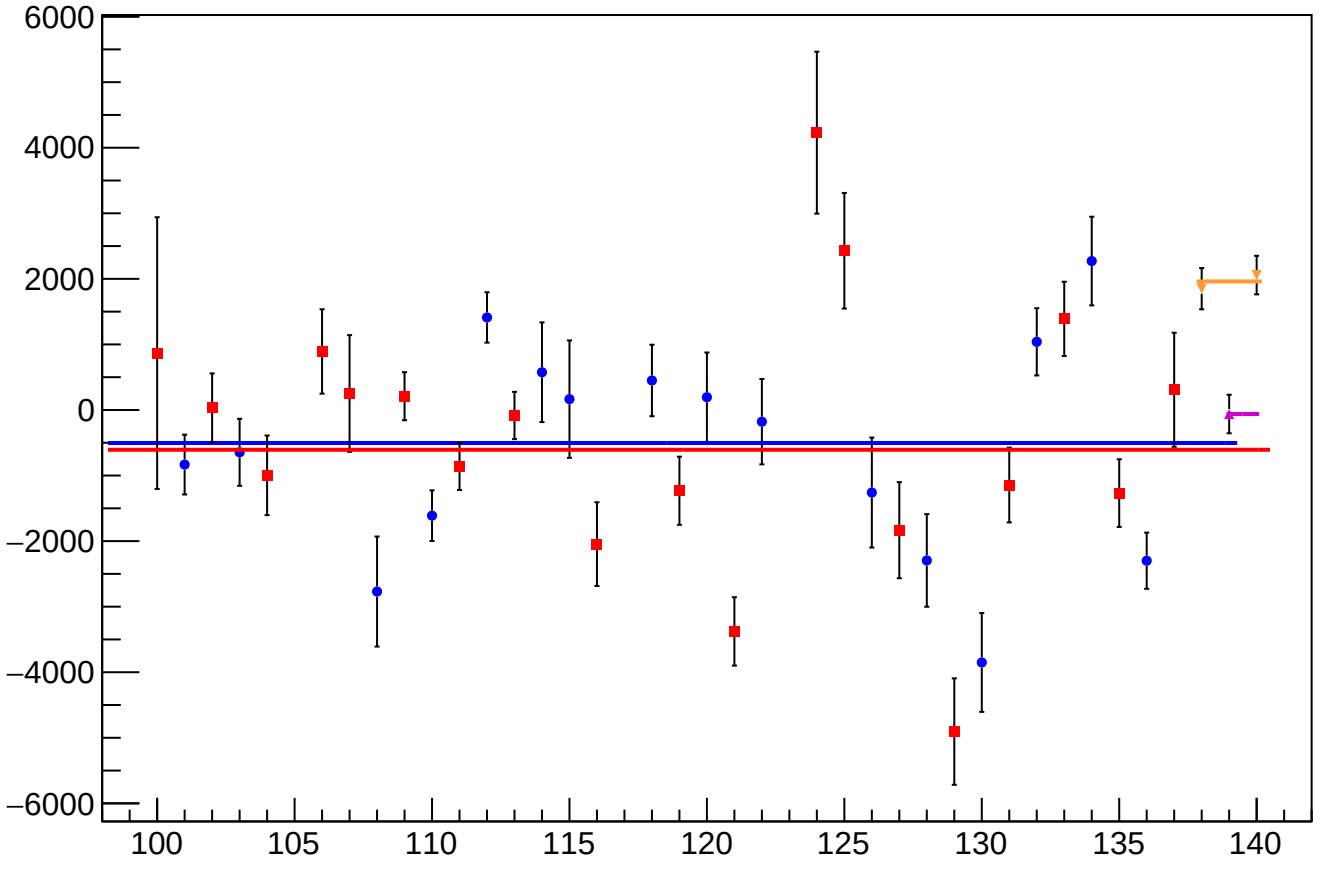
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 282.647+/-0.072 χ^2/NDF:427422.9/16

Out: 280.548+/-0.067 χ^2/NDF:558807.5/20

All: 281.528+/-0.049 χ^2/NDF: 986682.3/37

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1960.689+/-214.742 χ^2/NDF:0.2/1

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: -61.663+/-293.827 χ^2/NDF:0.0/0

Left: 1256.575+/-173.374 χ^2/NDF: 31.1/2

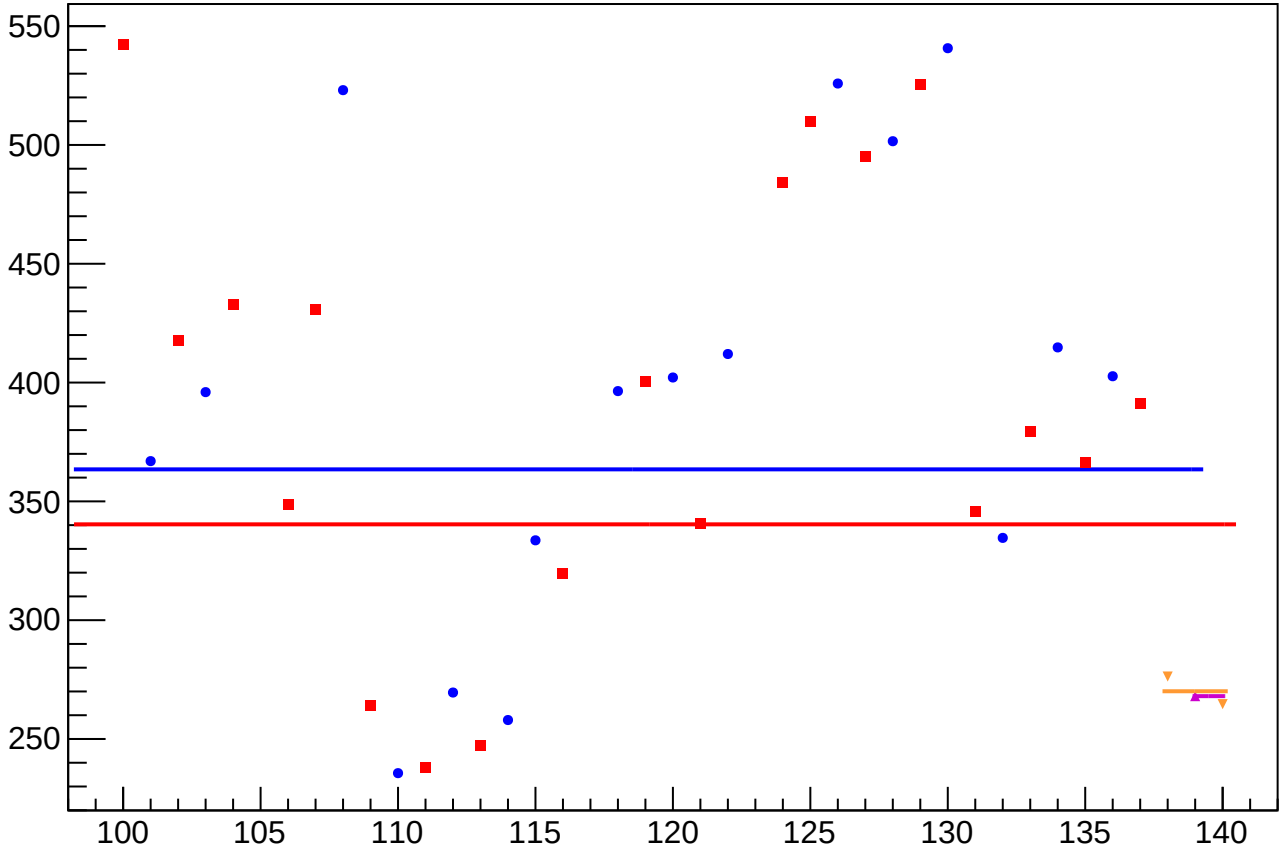
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -421.839+/-126.429 χ^2/NDF:120.1/16

Out: 78.694+/-110.964 χ^2/NDF:230.2/20

All: -139.102+/-83.398 χ^2/NDF: 359.1/37

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 270.085+/-0.152 χ^2/NDF:1456.9/1

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 268.029+/-0.208 χ^2/NDF:0.0/0

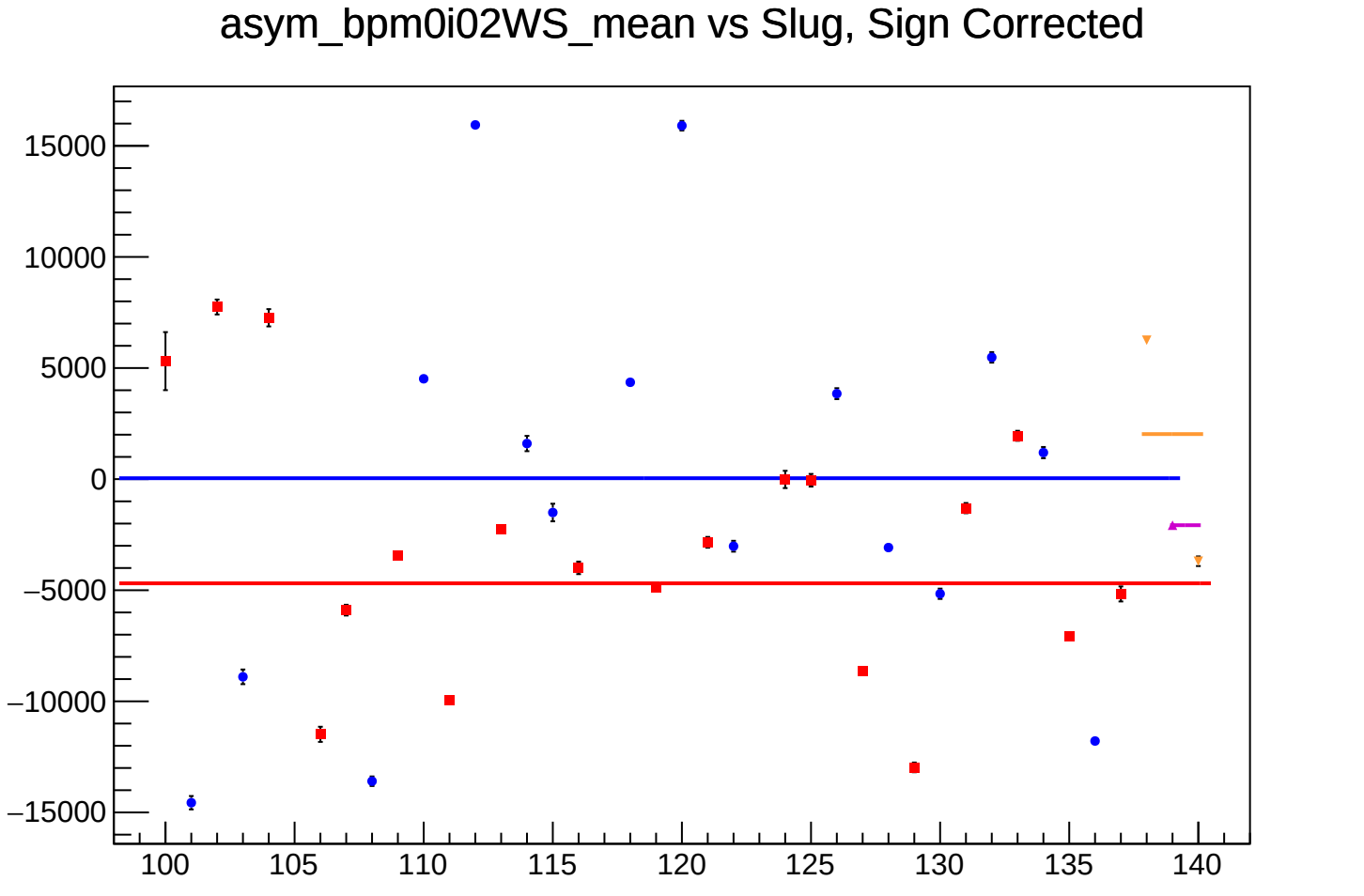
Left: 269.369+/-0.123 χ^2/NDF: 1520.8/2

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 345.800+/-0.089 χ^2/NDF:952846.6/16

Out: 321.575+/-0.078 χ^2/NDF:1014561.5/20

All: 332.116+/-0.059 χ^2/NDF: 2008885.9/37



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 2027.220+/-141.051 χ^2/NDF:1215.1/1

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -2073.670+/-188.982 χ^2/NDF:0.0/0

Left: 560.054+/-113.037 χ^2/NDF: 1517.5/2

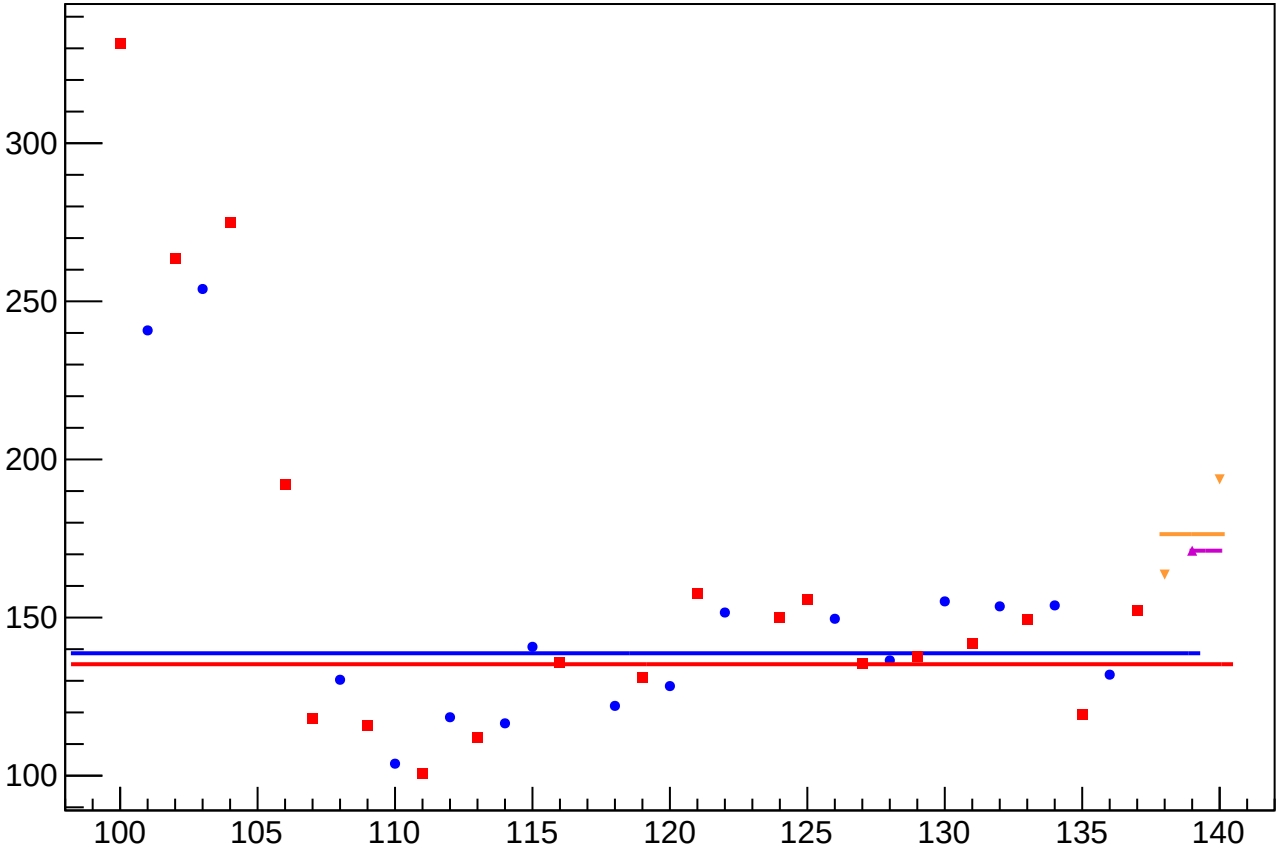
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -119.792+/-52.098 χ^2/NDF:30902.0/16

Out: -3883.444+/-48.869 χ^2/NDF:11006.3/20

All: -2121.894+/-35.642 χ^2/NDF: 44684.5/37

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 176.377+/-0.100 χ^2/NDF:22275.9/1

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 171.151+/-0.134 χ^2/NDF:0.0/0

Left: 174.508+/-0.080 χ^2/NDF: 23258.0/2

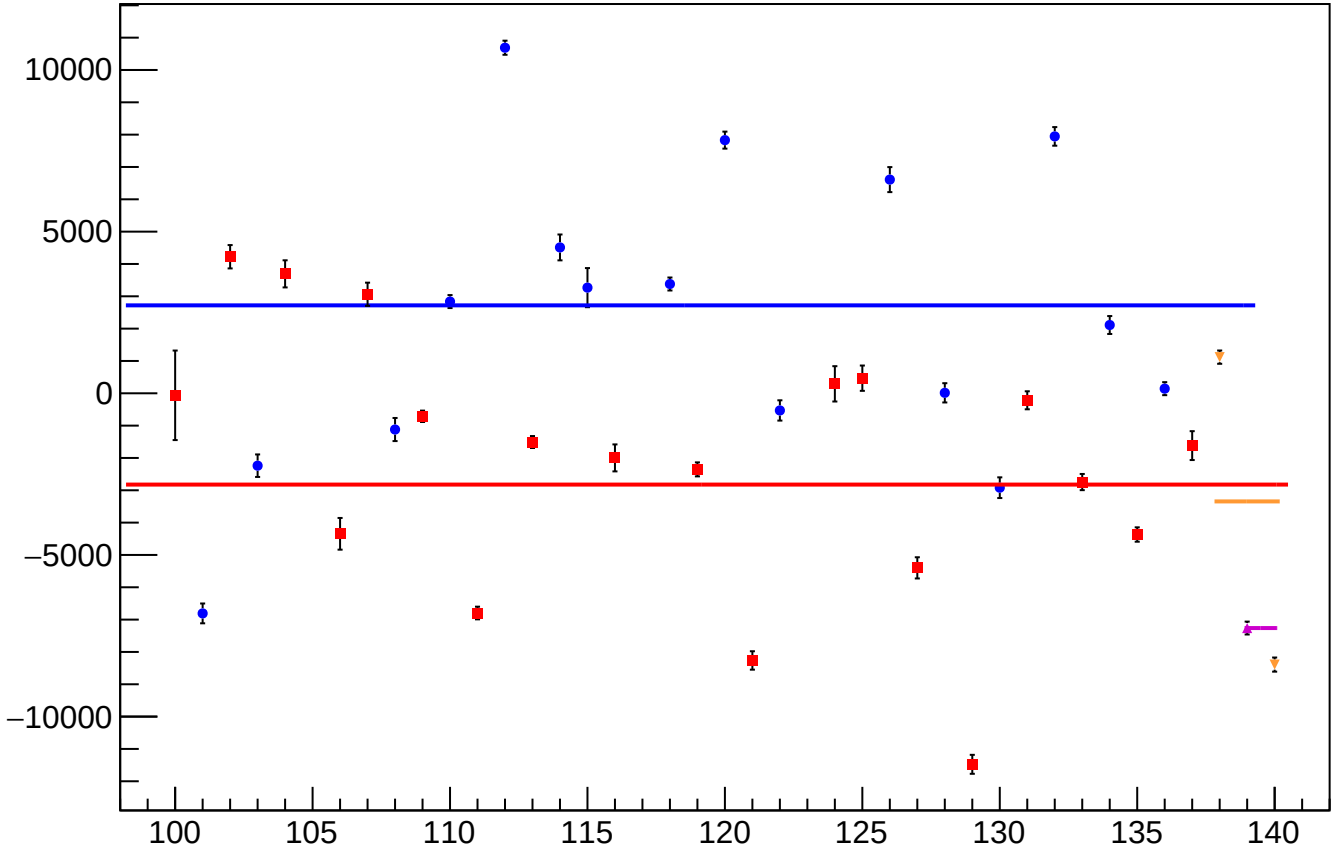
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 141.177+/-0.037 χ^2/NDF:712242.6/16

Out: 140.182+/-0.035 χ^2/NDF:1061959.9/20

All: 140.648+/-0.025 χ^2/NDF: 1774590.6/37

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -3344.405+/-149.642 χ^2/NDF:1005.7/1

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -7261.252+/-199.349 χ^2/NDF:0.0/0

Left: -4756.045+/-119.676 χ^2/NDF: 1252.6/2

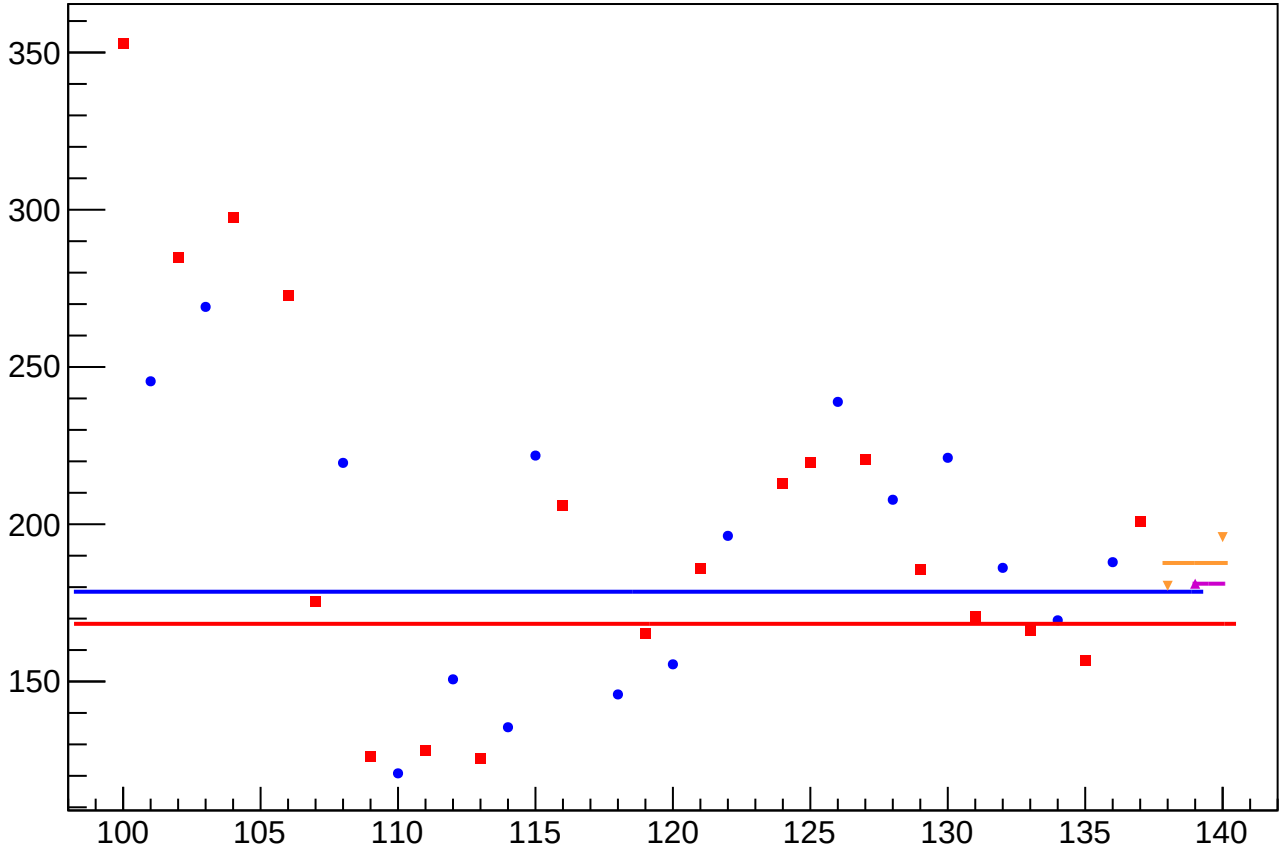
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: 1645.218+/-65.413 χ^2/NDF:6366.2/16

Out: -2906.012+/-59.503 χ^2/NDF:4078.7/20

All: -845.243+/-44.016 χ^2/NDF: 13093.9/37

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 187.685+/-0.106 χ^2/NDF:5329.2/1

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 181.095+/-0.141 χ^2/NDF:0.0/0

Left: 185.310+/-0.085 χ^2/NDF: 6727.0/2

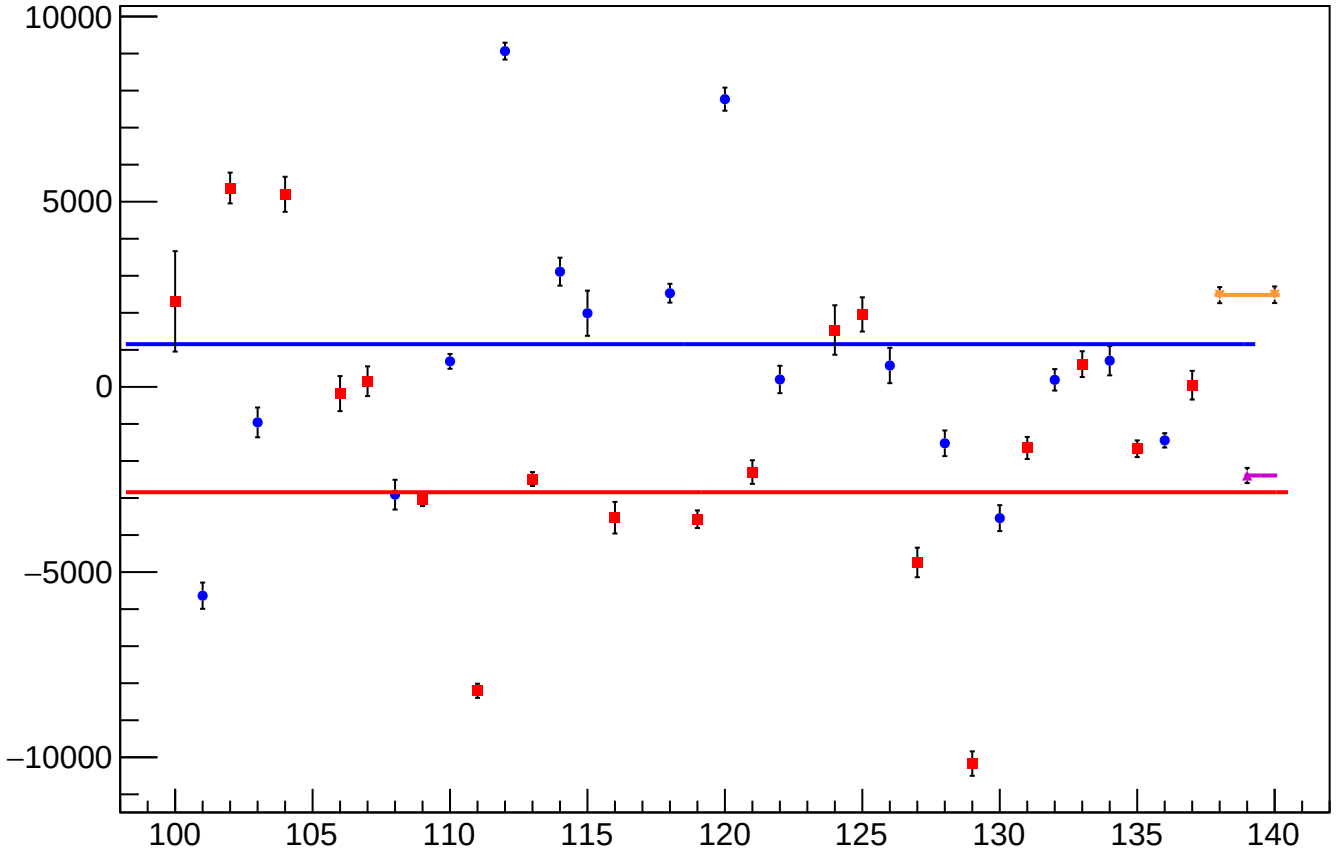
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 178.816+/-0.046 χ^2/NDF:674859.0/16

Out: 171.394+/-0.042 χ^2/NDF:1012970.5/20

All: 174.755+/-0.031 χ^2/NDF: 1701918.2/37

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2482.851+/-155.792 χ^2/NDF:0.0/1

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2391.514+/-205.447 χ^2/NDF:0.0/0

Left: 703.261+/-124.137 χ^2/NDF: 357.4/2

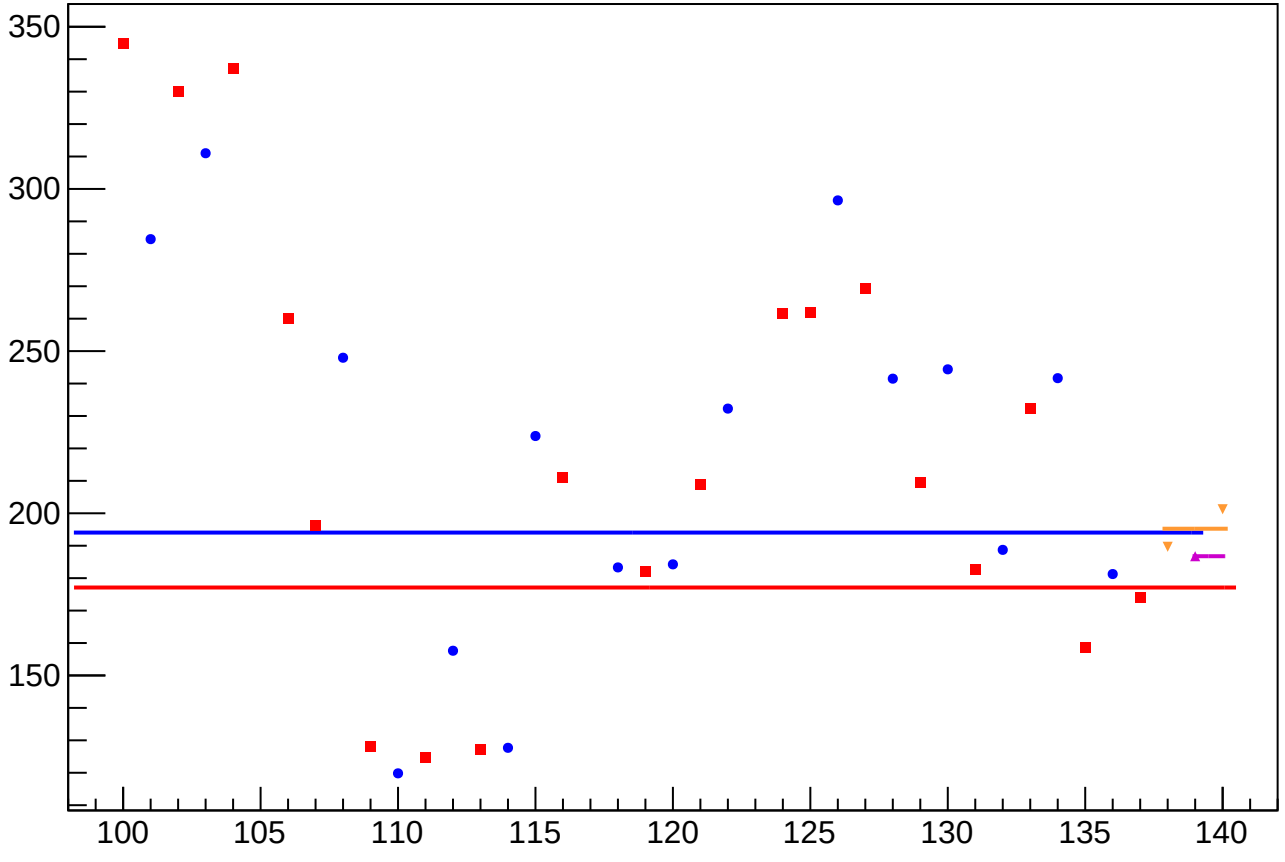
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: 727.490+/-71.244 χ^2/NDF:2917.3/16

Out: -1967.417+/-63.195 χ^2/NDF:3429.8/20

All: -780.719+/-47.276 χ^2/NDF: 7147.9/37

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 195.242+/-0.110 χ^2/NDF:2753.0/1

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 186.765+/-0.145 χ^2/NDF:0.0/0

Left: 192.147+/-0.088 χ^2/NDF: 4915.0/2

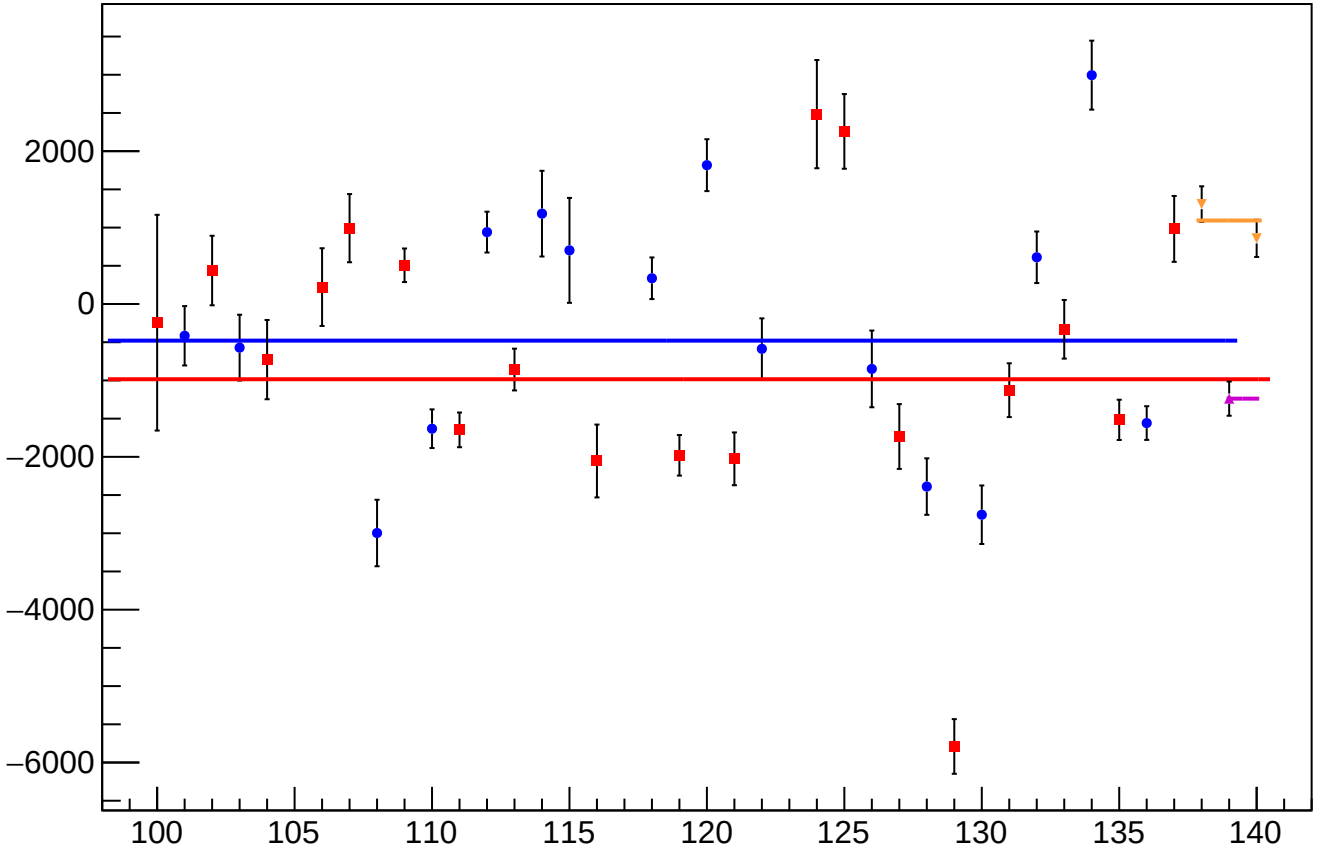
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 193.176+/-0.050 χ^2/NDF:968000.5/16

Out: 180.098+/-0.045 χ^2/NDF:1384719.6/20

All: 185.857+/-0.033 χ^2/NDF: 2390441.8/37

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1092.736+/-168.291 χ^2/NDF:1.8/1

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -1238.389+/-223.636 χ^2/NDF:0.0/0

Left: 249.921+/-134.470 χ^2/NDF: 71.1/2

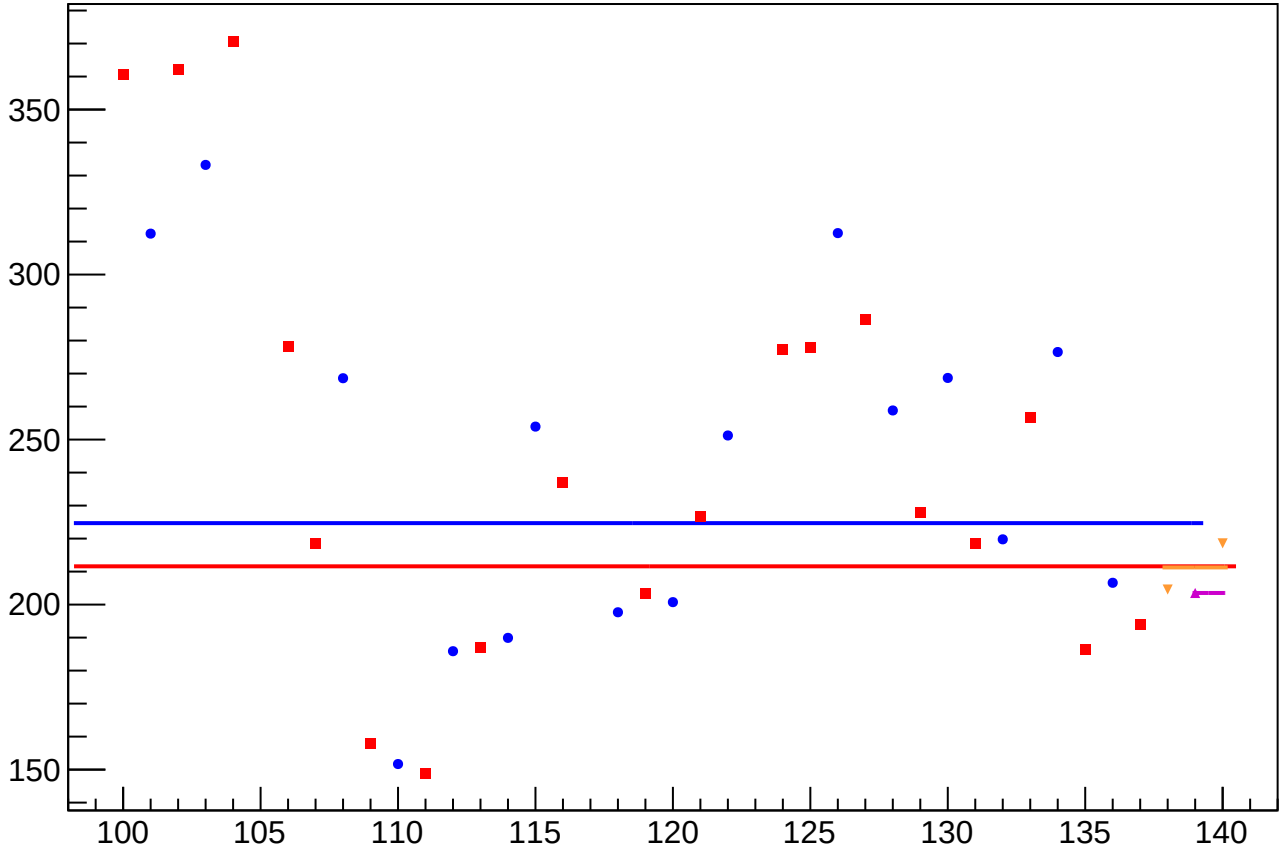
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -578.455+/-80.825 χ^2/NDF:315.5/16

Out: -594.226+/-72.946 χ^2/NDF:523.6/20

All: -587.146+/-54.153 χ^2/NDF: 839.1/37

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 211.264+/-0.119 χ^2/NDF:3450.7/1

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 203.521+/-0.158 χ^2/NDF:0.0/0

Left: 208.465+/-0.095 χ^2/NDF: 4981.6/2

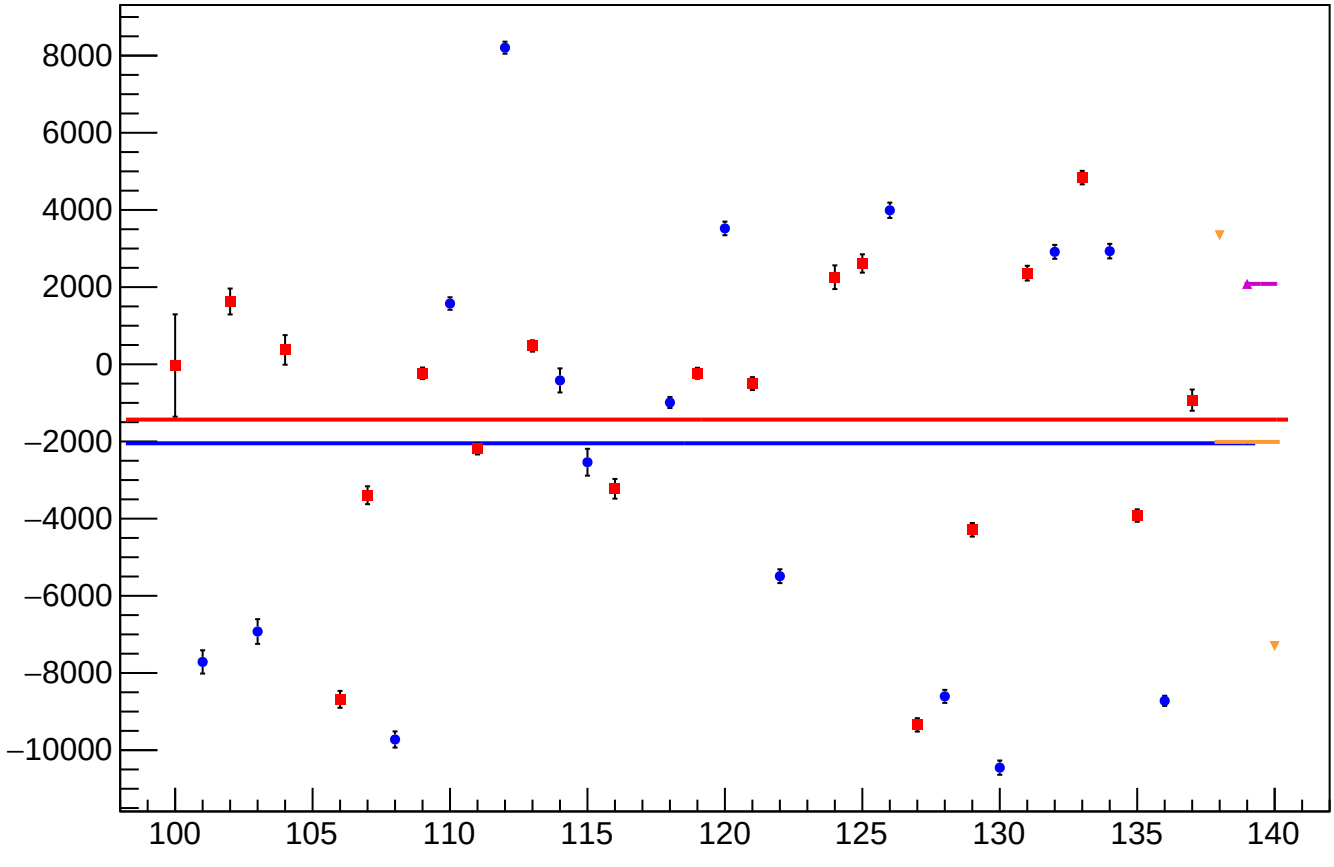
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 221.918+/-0.057 χ^2/NDF:668762.3/16

Out: 211.533+/-0.052 χ^2/NDF:936359.5/20

All: 216.195+/-0.038 χ^2/NDF: 1623320.4/37

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -2011.424+/-89.913 χ^2/NDF:3505.0/1

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: 2084.461+/-126.561 χ^2/NDF:0.0/0

Left: -637.582+/-73.298 χ^2/NDF: 4201.0/2

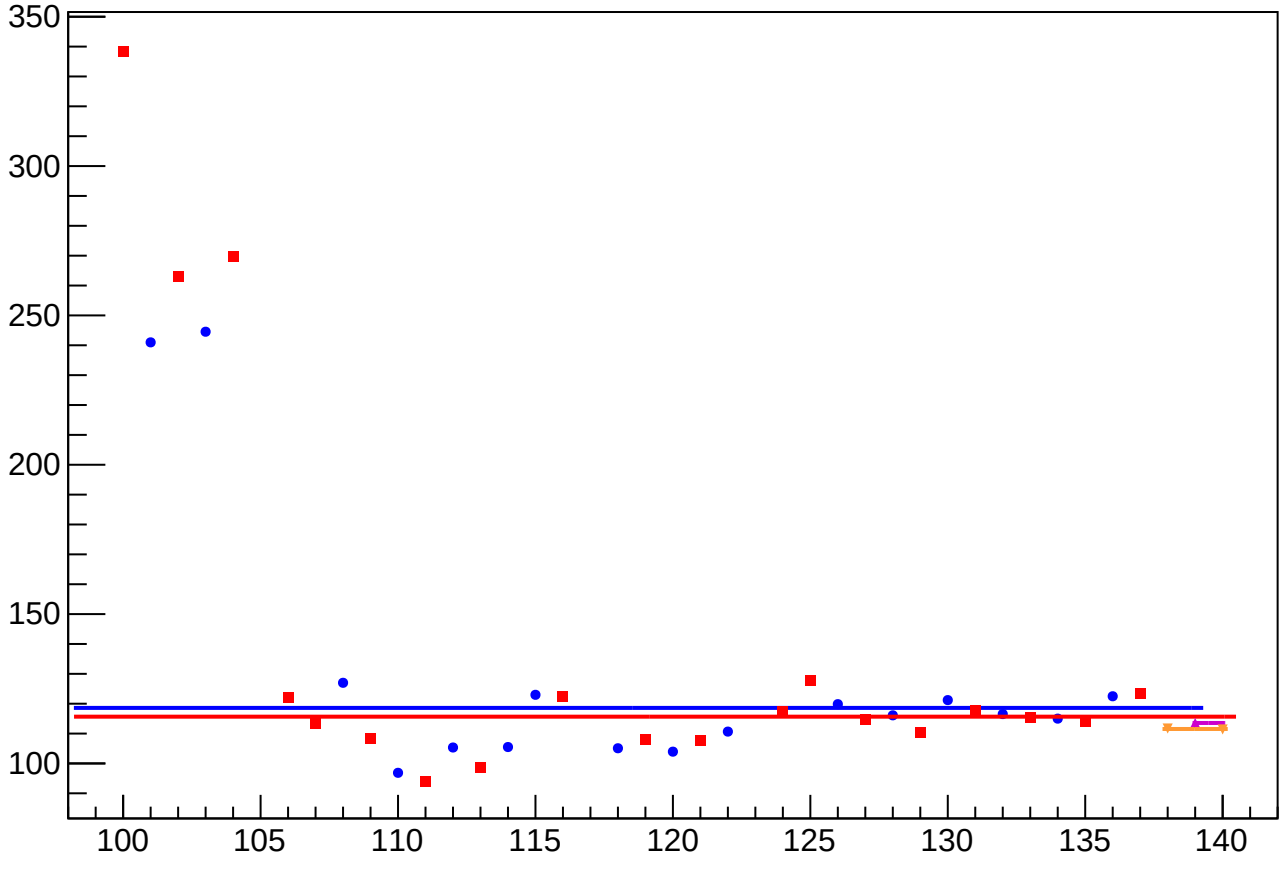
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -1551.719+/-43.831 χ^2/NDF:17647.1/16

Out: -1547.676+/-40.047 χ^2/NDF:9925.9/20

All: -1549.516+/-29.565 χ^2/NDF: 27573.0/37

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.537+/-0.064 χ^2/NDF:6.2/1

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 113.548+/-0.089 χ^2/NDF:0.0/0

Left: 112.212+/-0.052 χ^2/NDF: 341.9/2

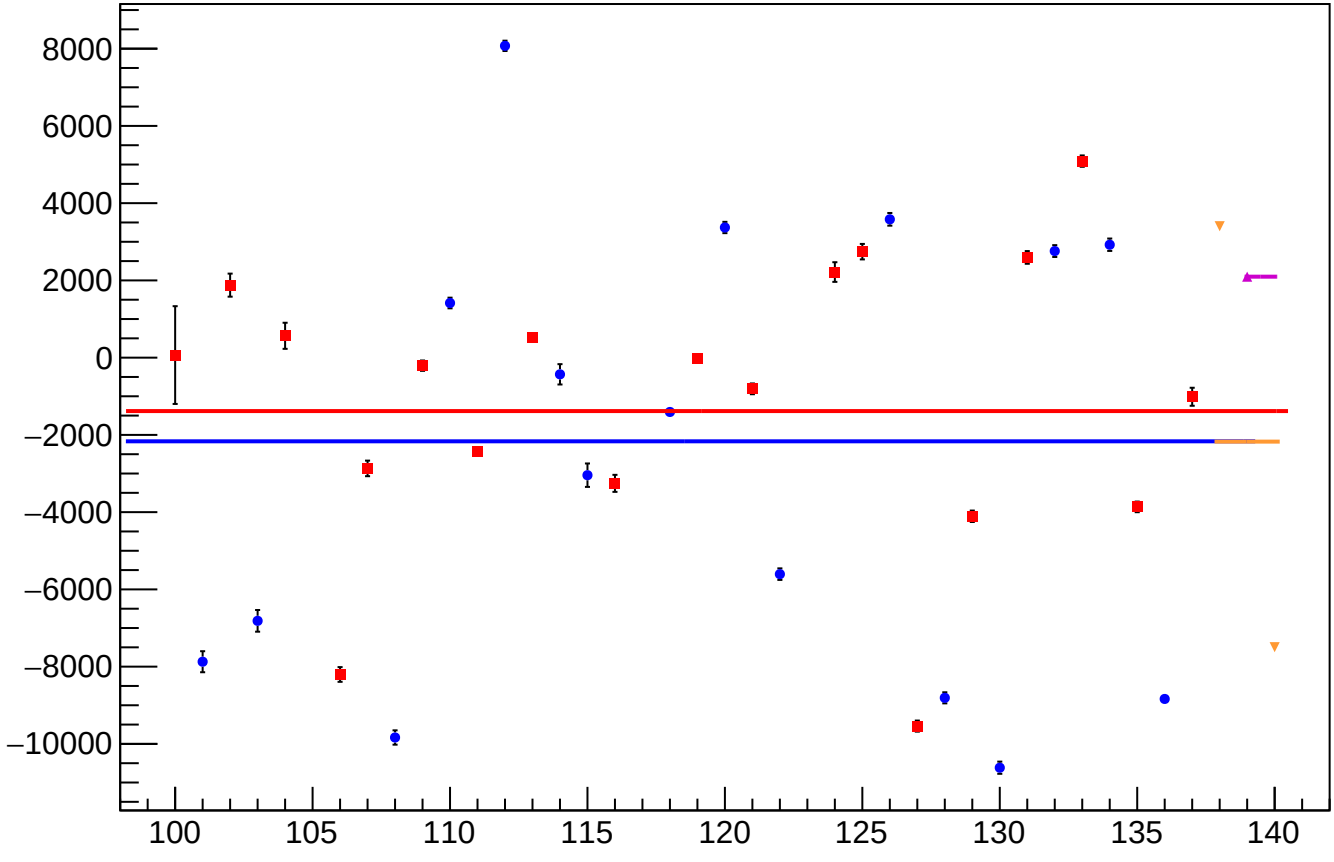
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 117.990+/-0.031 χ^2/NDF:736958.2/16

Out: 114.842+/-0.028 χ^2/NDF:867583.1/20

All: 116.274+/-0.021 χ^2/NDF: 1610166.7/37

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -2173.847+/-81.238 χ^2/NDF:4497.6/1

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: 2096.789+/-116.434 χ^2/NDF:0.0/0

Left: -775.572+/-66.624 χ^2/NDF: 5402.4/2

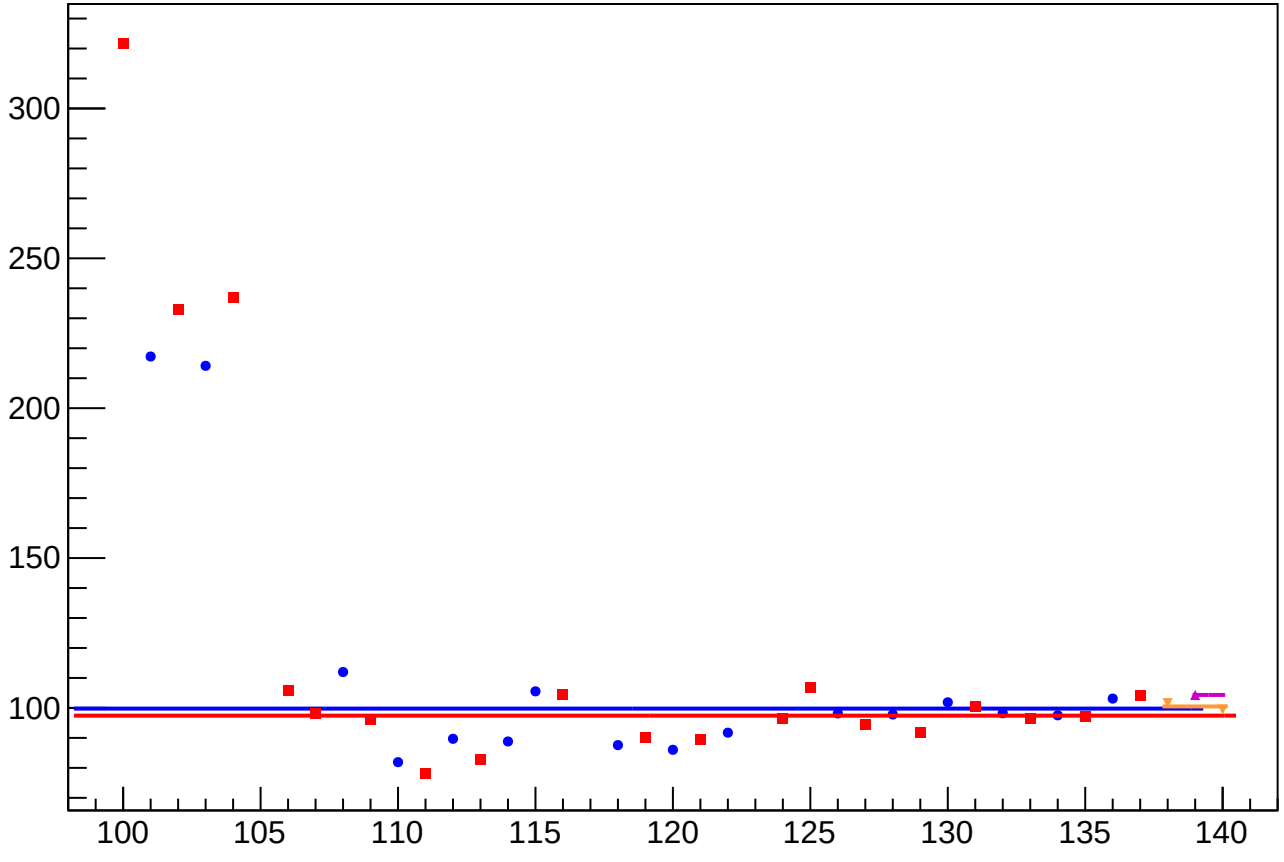
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -1723.288+/-37.518 χ^2/NDF:24075.9/16

Out: -1524.911+/-34.402 χ^2/NDF:13723.9/20

All: -1615.521+/-25.356 χ^2/NDF: 37815.0/37

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 100.490+/-0.057 χ^2/NDF:359.6/1

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 104.330+/-0.082 χ^2/NDF:0.0/0

Left: 101.748+/-0.047 χ^2/NDF: 1822.7/2

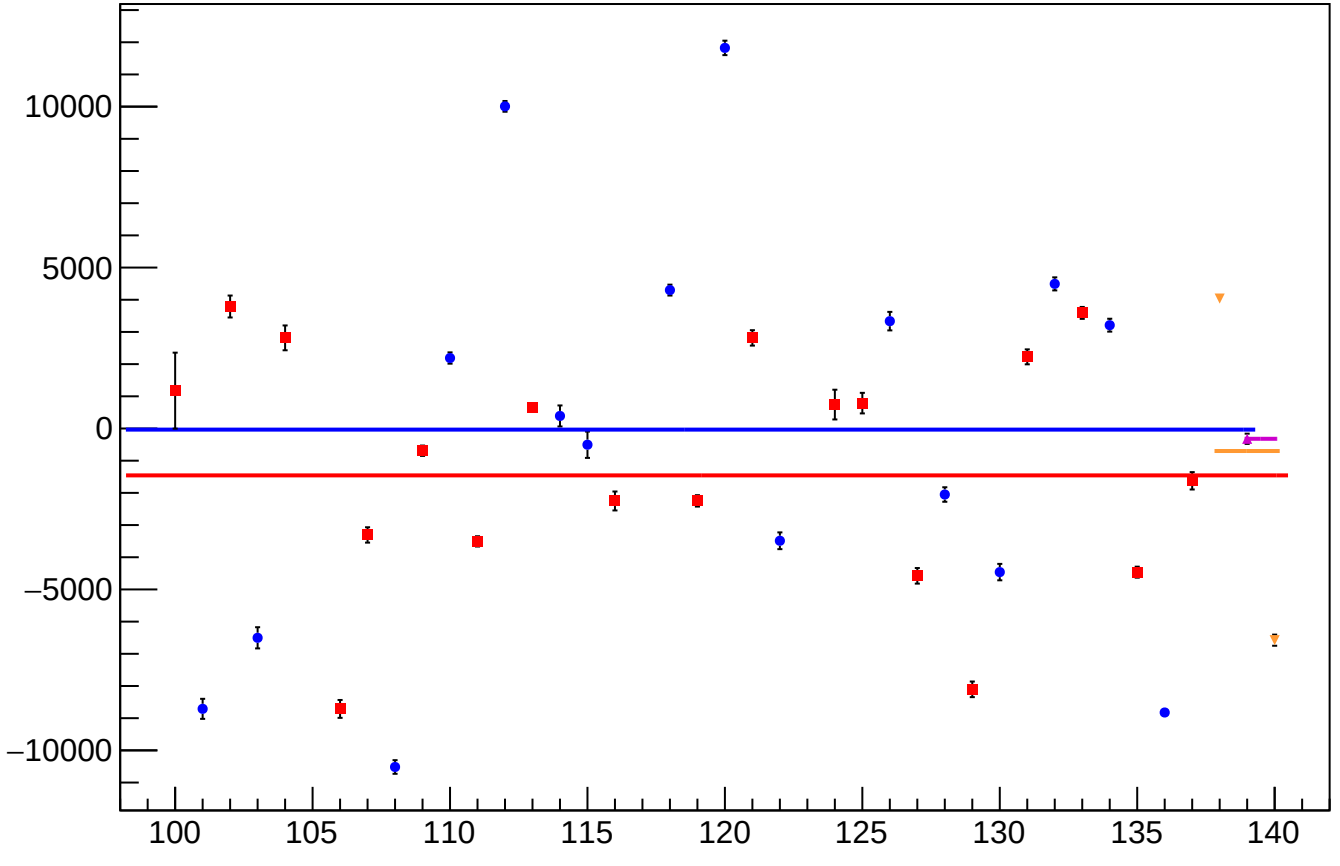
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 100.248+/-0.027 χ^2/NDF:811897.0/16

Out: 97.977+/-0.024 χ^2/NDF:928740.7/20

All: 99.014+/-0.018 χ^2/NDF: 1744617.6/37

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -699.300+/-115.427 χ^2/NDF:2089.2/1

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -319.848+/-159.086 χ^2/NDF:0.0/0

Left: -568.433+/-93.426 χ^2/NDF: 2092.9/2

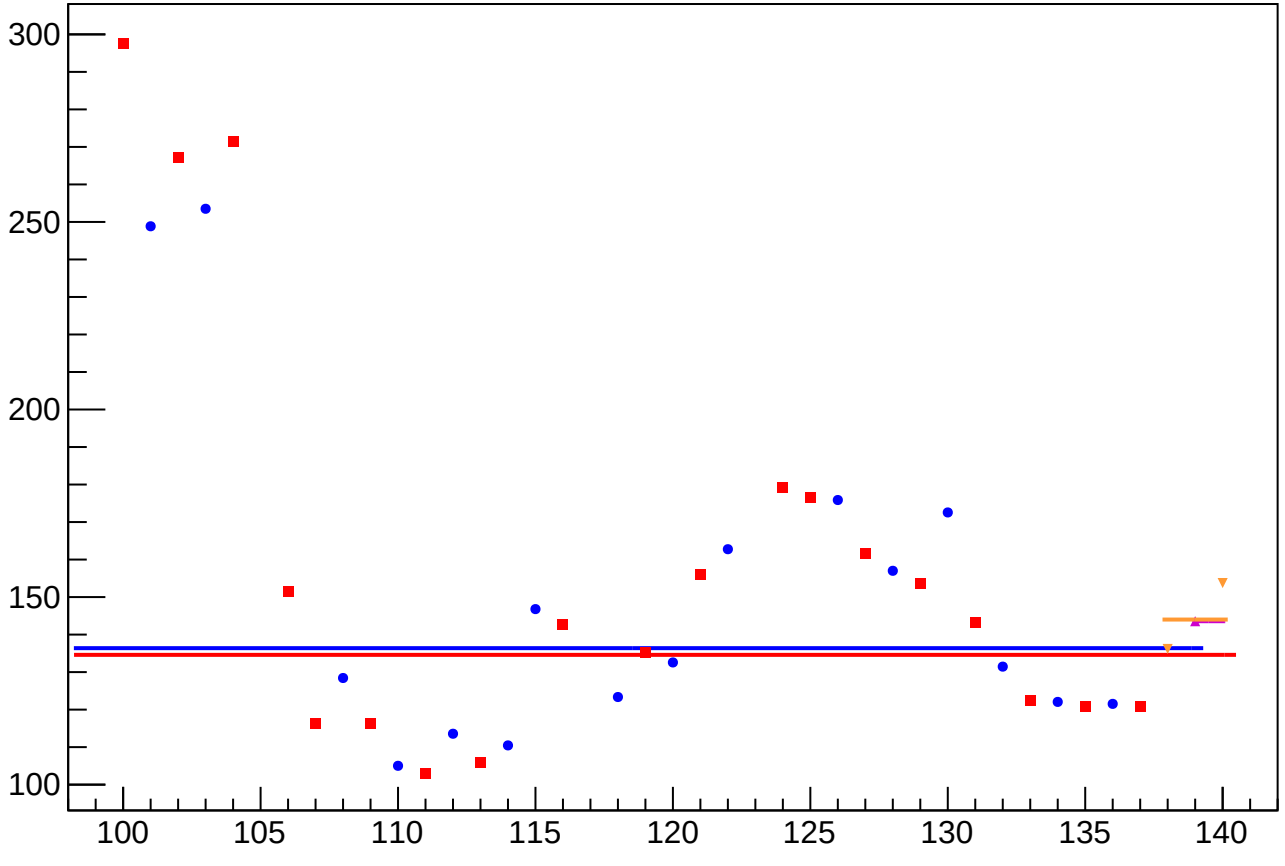
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -63.609+/-50.680 χ^2/NDF:16805.7/16

Out: -1329.111+/-47.370 χ^2/NDF:6242.0/20

All: -739.030+/-34.607 χ^2/NDF: 23380.5/37

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 144.008+/-0.082 χ^2/NDF:11449.5/1

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 143.567+/-0.112 χ^2/NDF:0.0/0

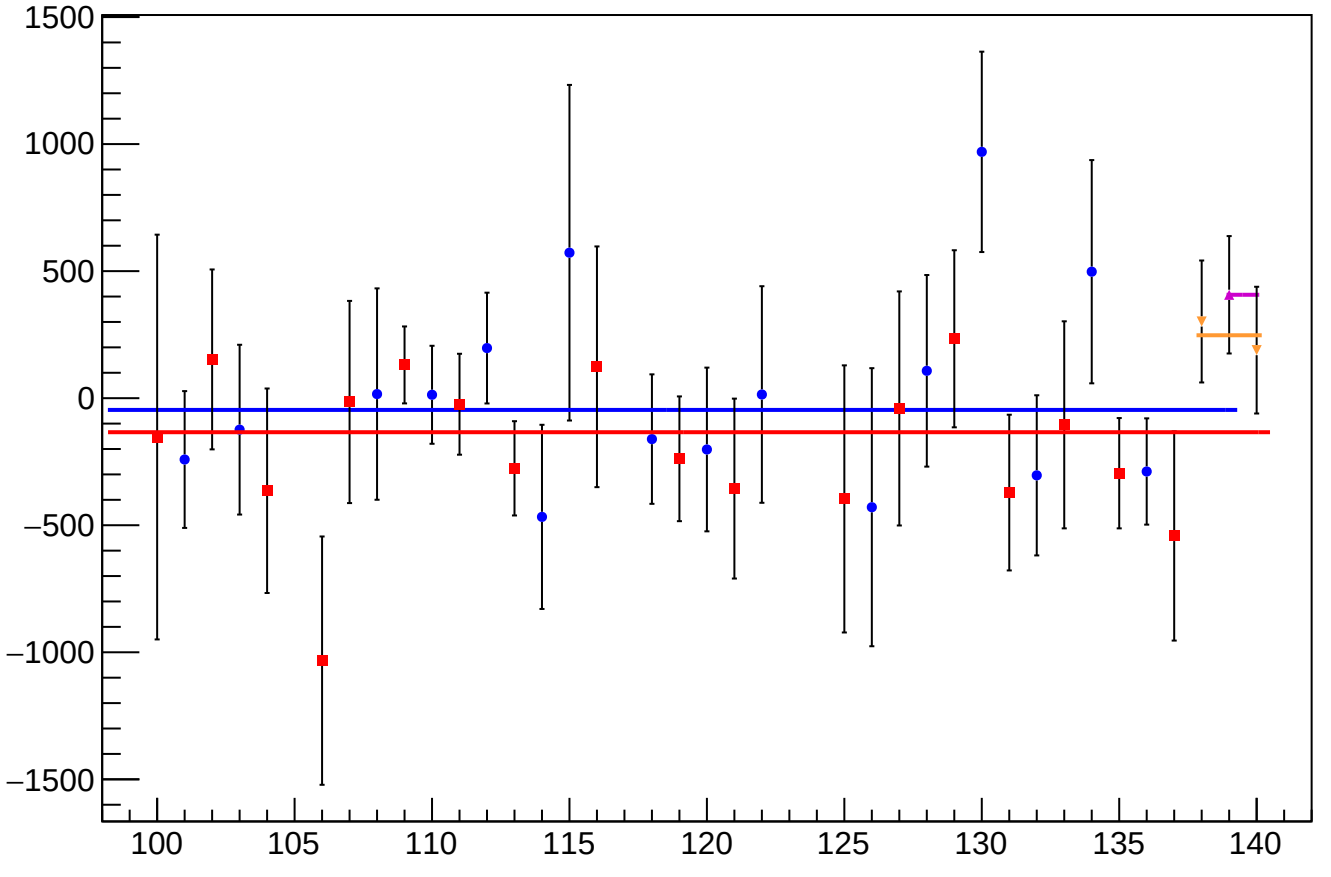
Left: 143.856+/-0.066 χ^2/NDF: 11459.6/2

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 137.112+/-0.036 χ^2/NDF:800519.8/16

Out: 136.183+/-0.033 χ^2/NDF:942107.9/20

All: 136.616+/-0.024 χ^2/NDF: 1742986.6/37



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 247.638+/-172.920 χ^2/NDF:0.1/1

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 406.940+/-231.018 χ^2/NDF:0.0/0

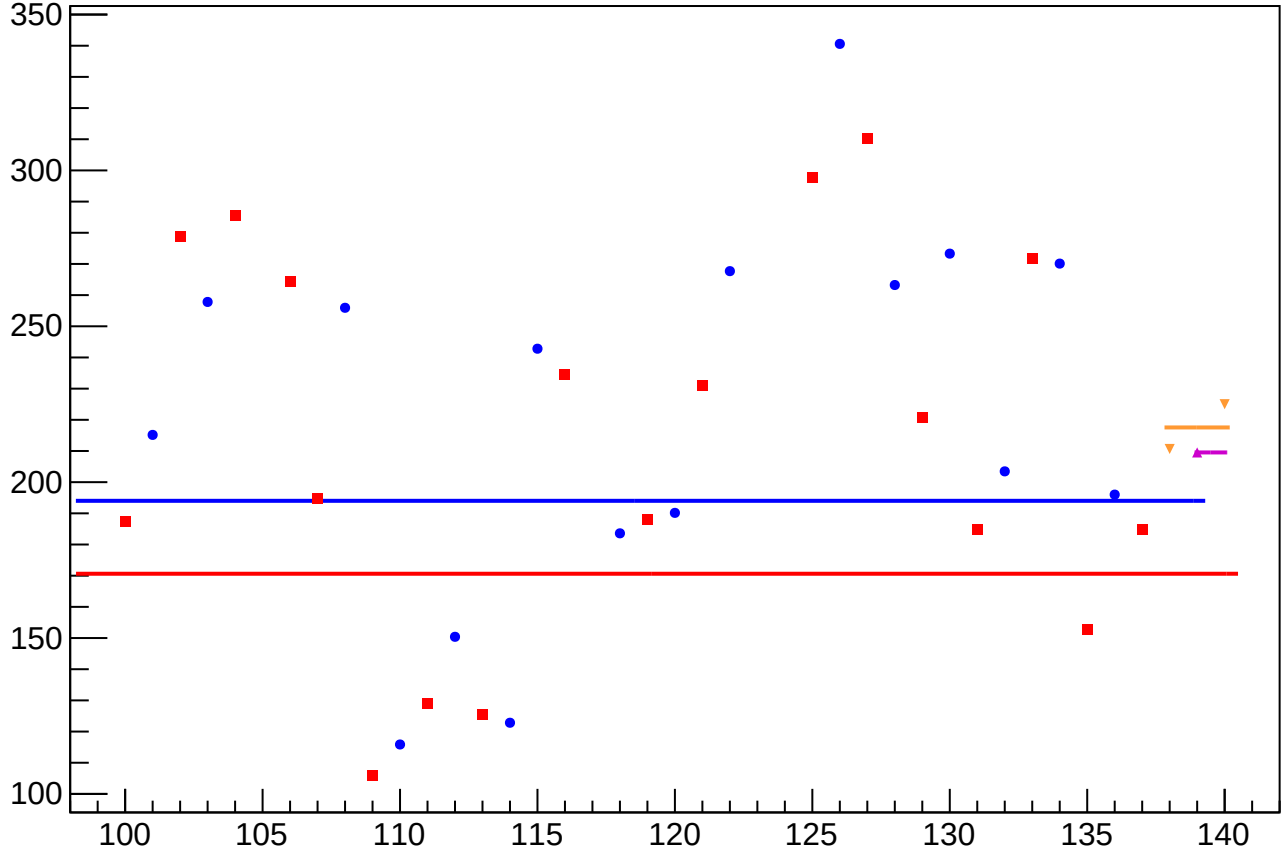
Left: 304.841+/-138.435 χ^2/NDF: 0.4/2

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: -1.649+/-72.436 χ^2/NDF:18.9/16

Out: -82.272+/-63.616 χ^2/NDF:17.1/19

All: -47.166+/-47.799 χ^2/NDF: 36.8/36



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 217.551+/-0.122 χ^2/NDF:3442.2/1

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 209.535+/-0.163 χ^2/NDF:0.0/0

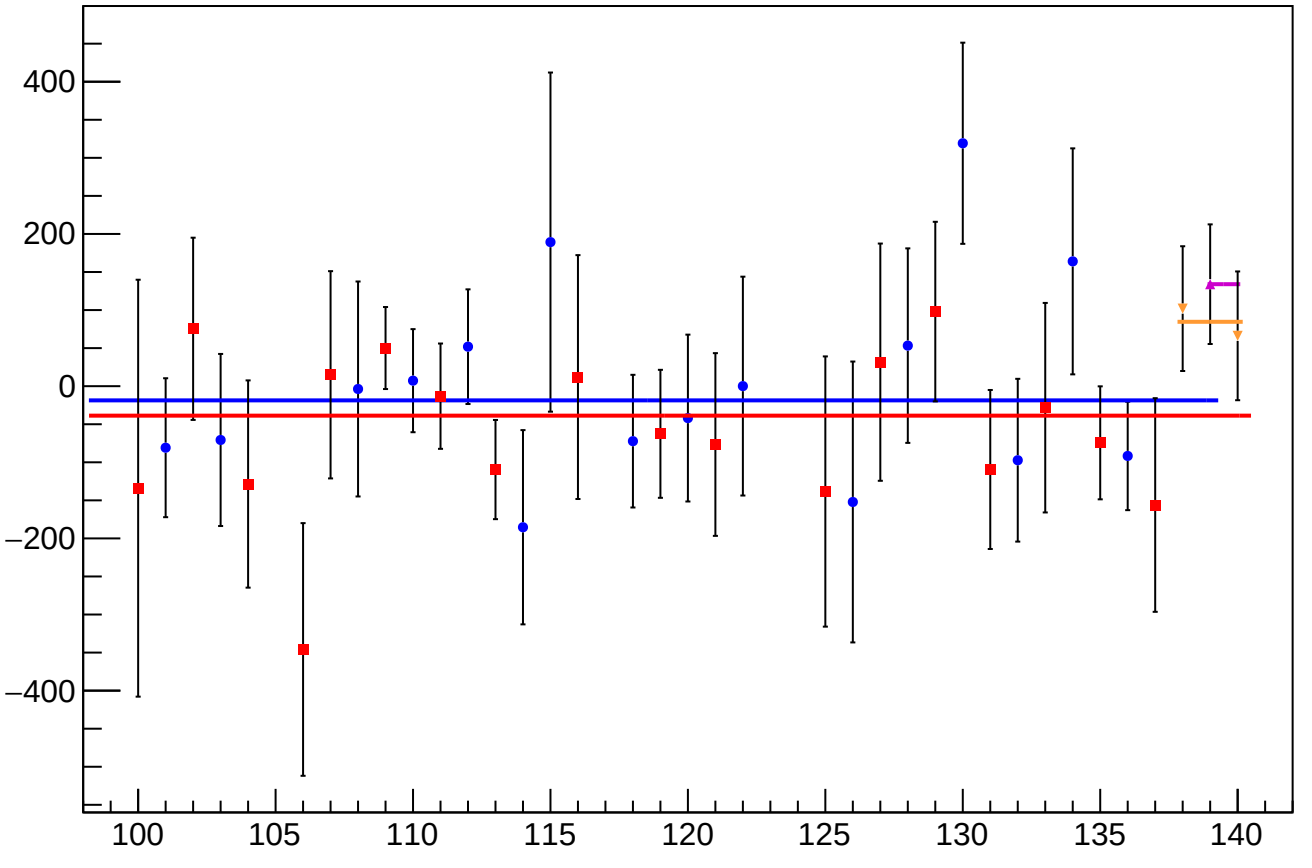
Left: 214.673+/-0.098 χ^2/NDF: 4985.5/2

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 195.543+/-0.051 χ^2/NDF:1051725.9/16

Out: 176.975+/-0.045 χ^2/NDF:1724538.7/19

All: 185.060+/-0.034 χ^2/NDF: 2850454.2/36



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 84.590+/-58.863 χ^2/NDF:0.1/1

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 134.002+/-78.587 χ^2/NDF:0.0/0

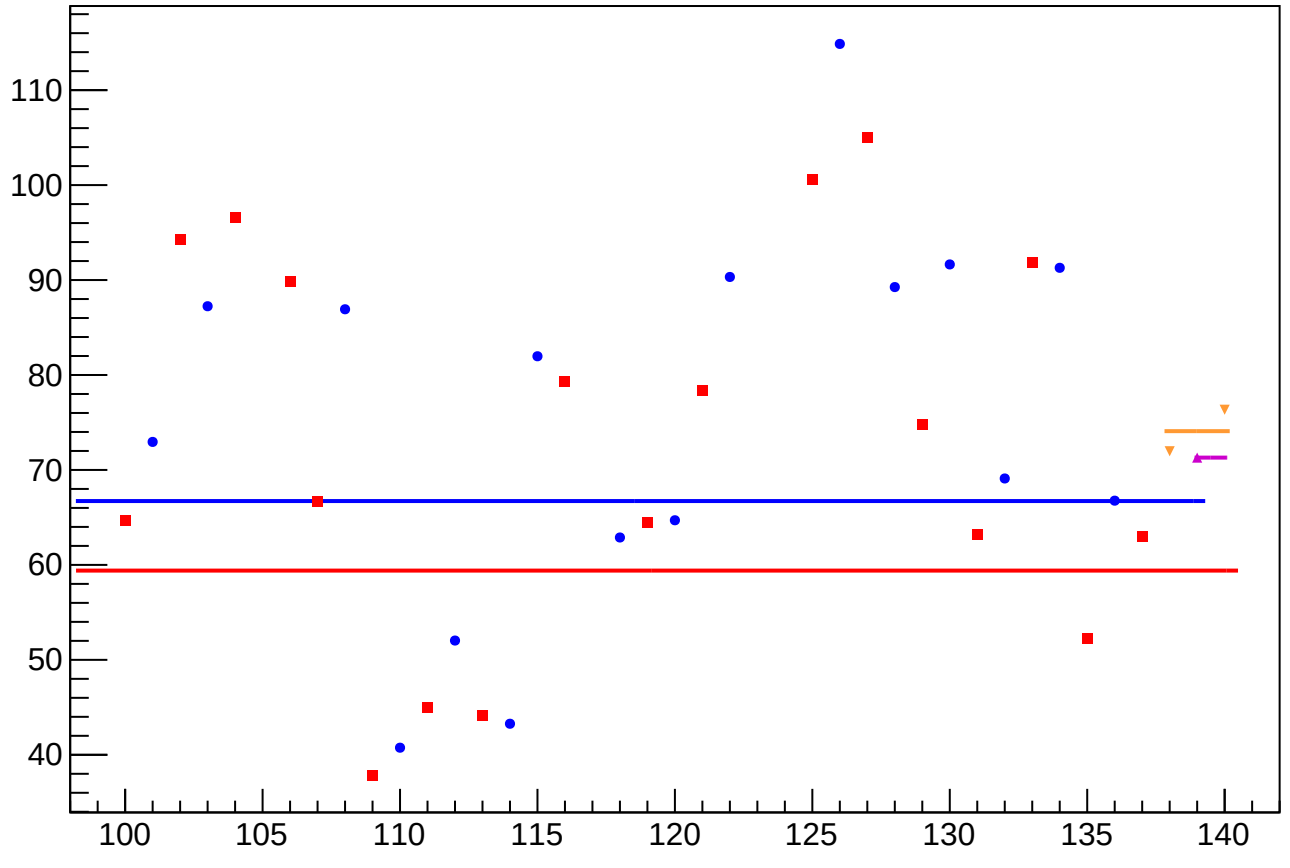
Left: 102.348+/-47.112 χ^2/NDF: 0.3/2

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: -3.457+/-24.789 χ^2/NDF:18.6/16

Out: -21.575+/-21.946 χ^2/NDF:16.5/19

All: -13.614+/-16.432 χ^2/NDF: 35.4/36



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 74.086+/-0.042 χ^2/NDF:2756.4/1

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 71.299+/-0.056 χ^2/NDF:0.0/0

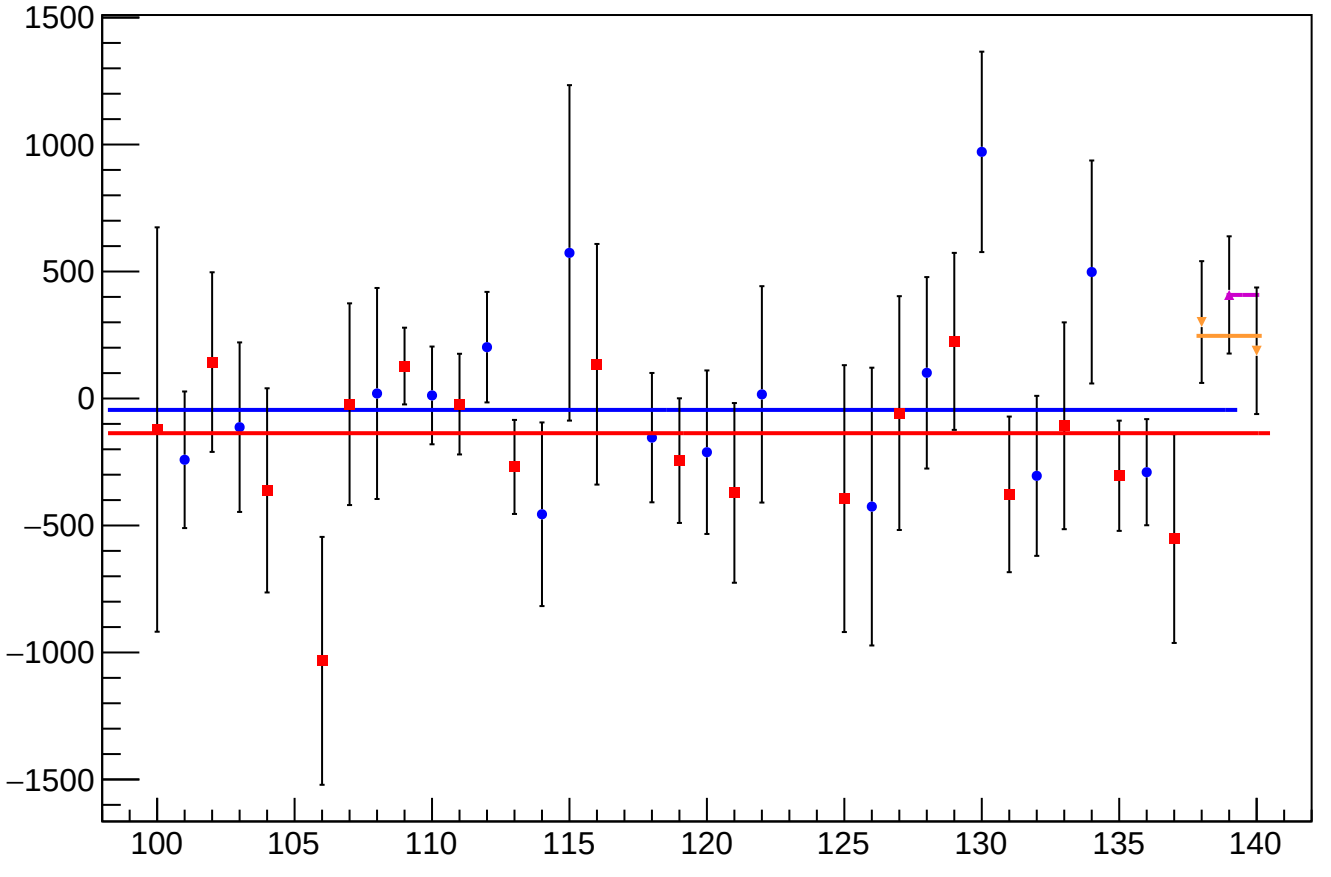
Left: 73.084+/-0.033 χ^2/NDF: 4367.5/2

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 67.179+/-0.018 χ^2/NDF:953142.7/16

Out: 61.442+/-0.016 χ^2/NDF:1555304.5/19

All: 63.963+/-0.012 χ^2/NDF: 2568512.3/36



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 246.668+/-172.758 χ^2/NDF:0.1/1

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 407.815+/-230.829 χ^2/NDF:0.0/0

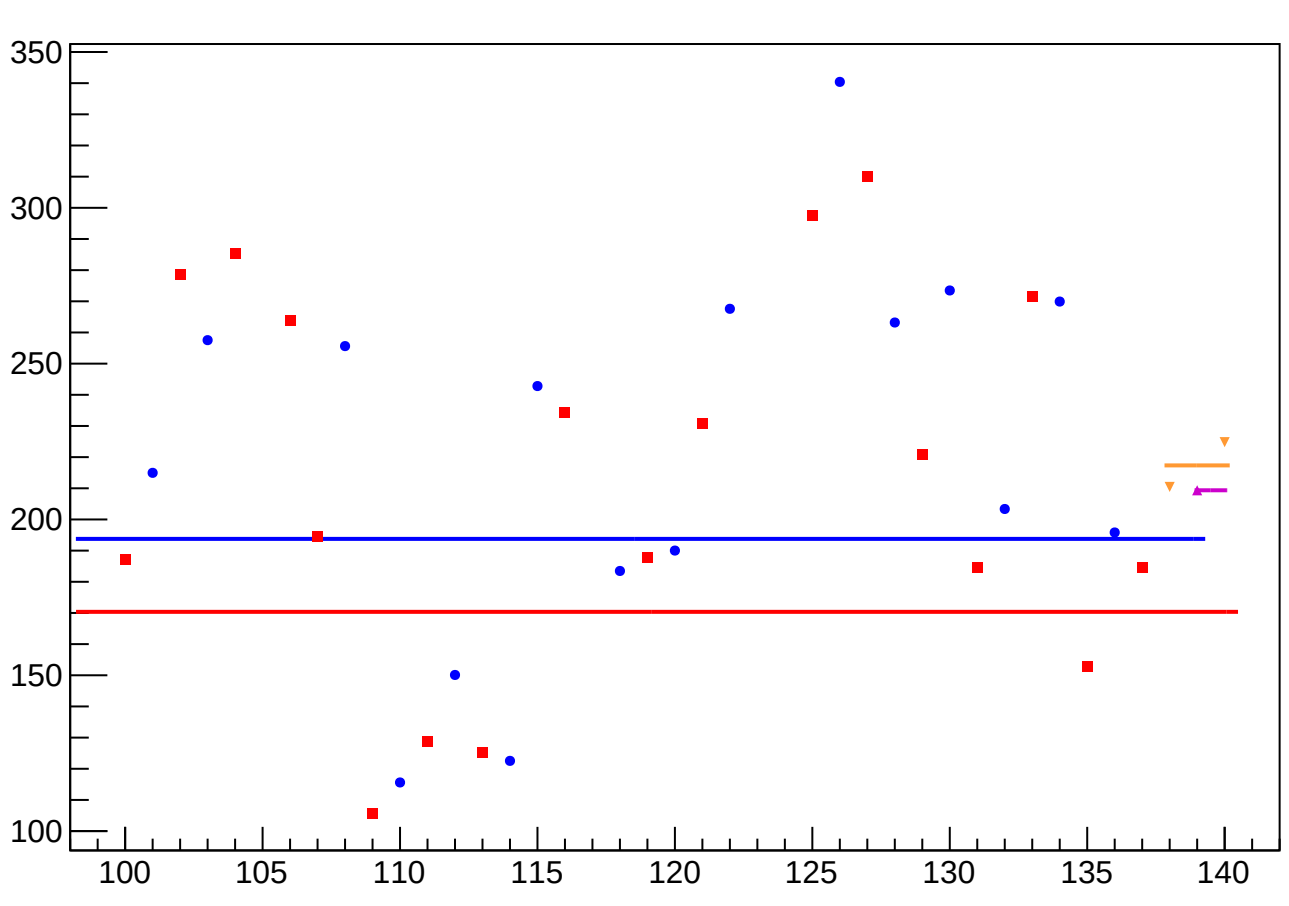
Left: 304.525+/-138.311 χ^2/NDF: 0.4/2

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: -0.430+/-72.358 χ^2/NDF:18.9/16

Out: -84.745+/-63.534 χ^2/NDF:17.2/19

All: -48.039+/-47.742 χ^2/NDF: 36.9/36



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 217.347+/-0.122 χ^2/NDF:3450.2/1

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 209.362+/-0.163 χ^2/NDF:0.0/0

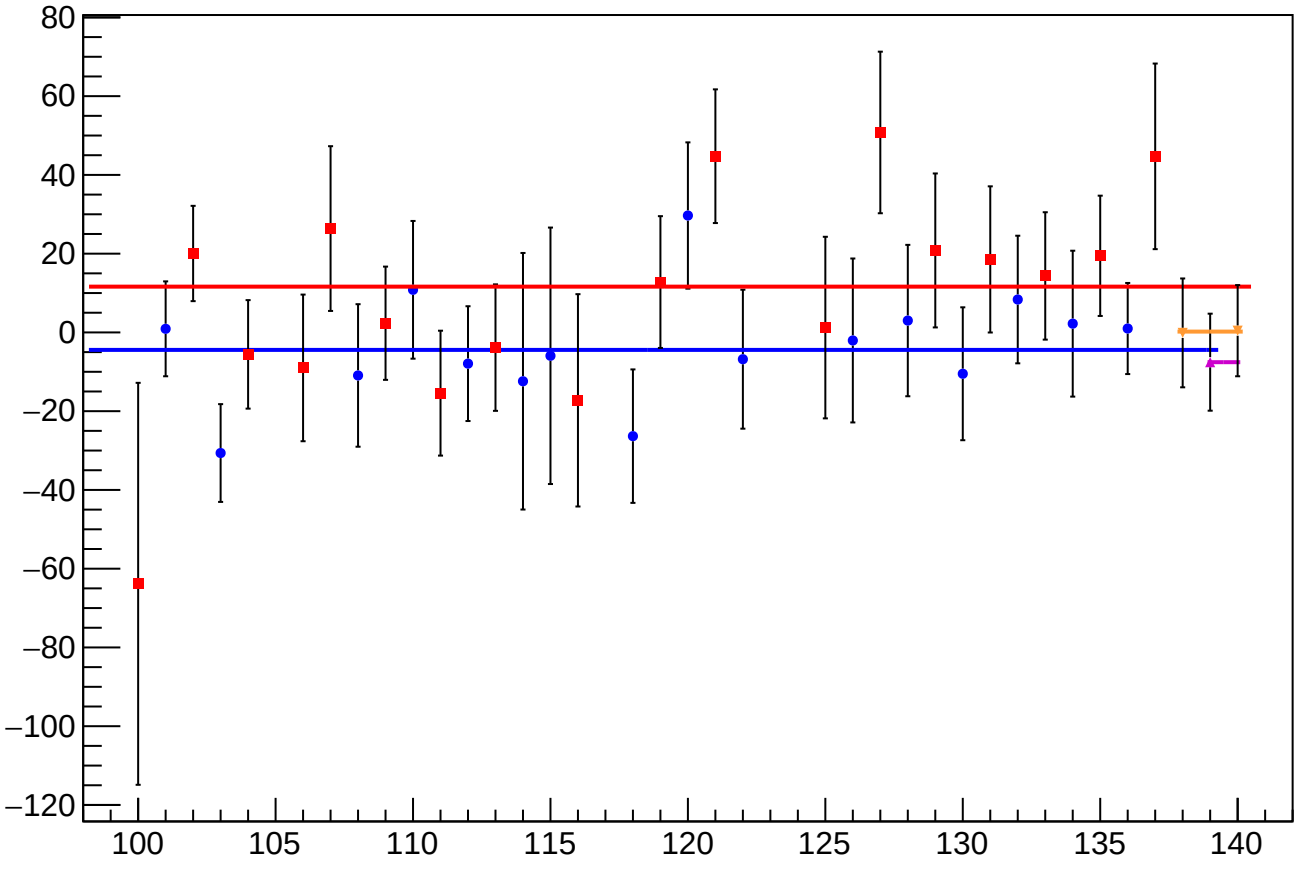
Left: 214.480+/-0.098 χ^2/NDF: 4984.2/2

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 195.300+/-0.051 χ^2/NDF:1056326.4/16

Out: 176.713+/-0.045 χ^2/NDF:1730426.7/19

All: 184.805+/-0.034 χ^2/NDF: 2861272.5/36



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.210+/-8.875 χ^2/NDF:0.0/1

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -7.559+/-12.319 χ^2/NDF:0.0/0

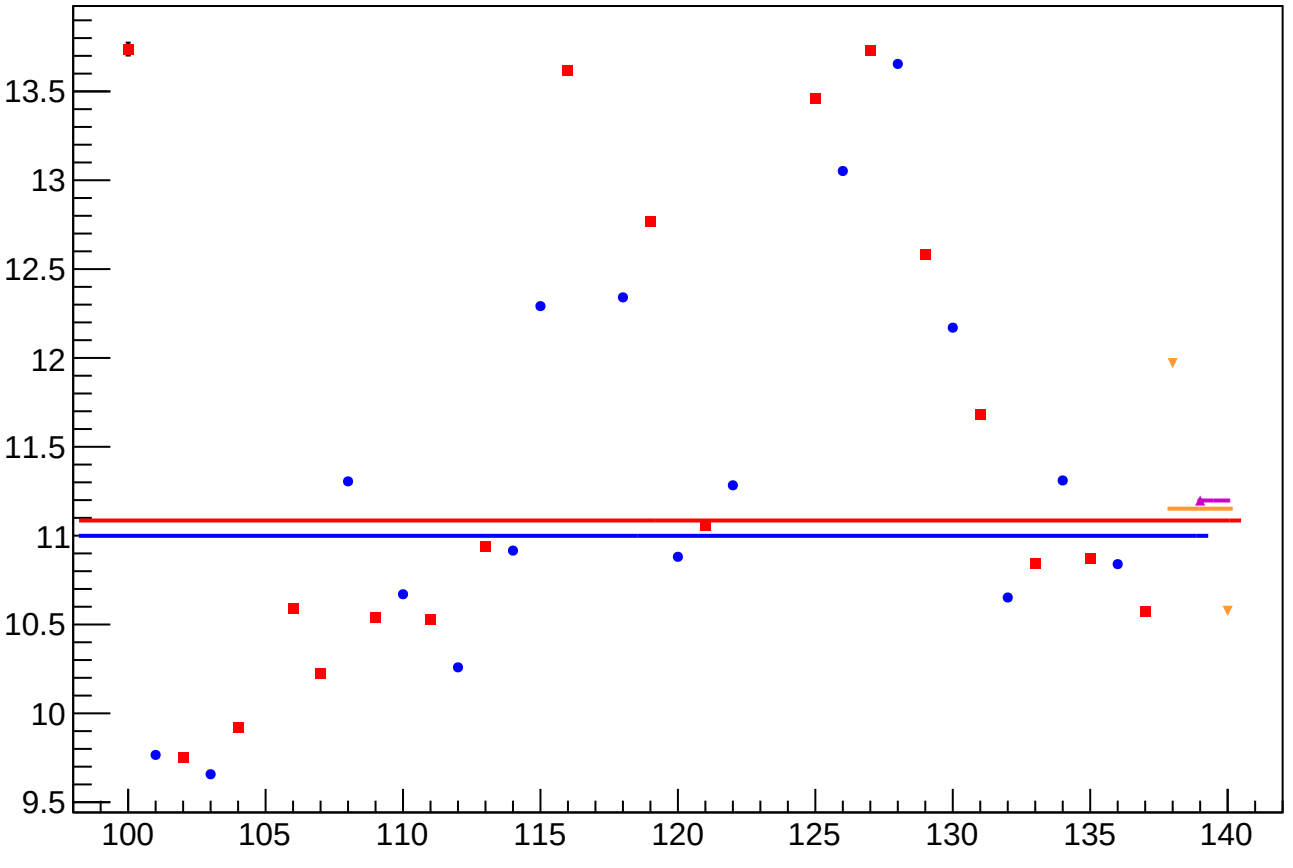
Left: -2.445+/-7.201 χ^2/NDF: 0.3/2

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -4.755+/-3.916 χ^2/NDF:12.0/16

Out: 9.589+/-3.749 χ^2/NDF:23.0/19

All: 2.730+/-2.708 χ^2/NDF: 42.0/36



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.152+/-0.006 χ^2/NDF:11952.4/1

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.198+/-0.009 χ^2/NDF:0.0/0

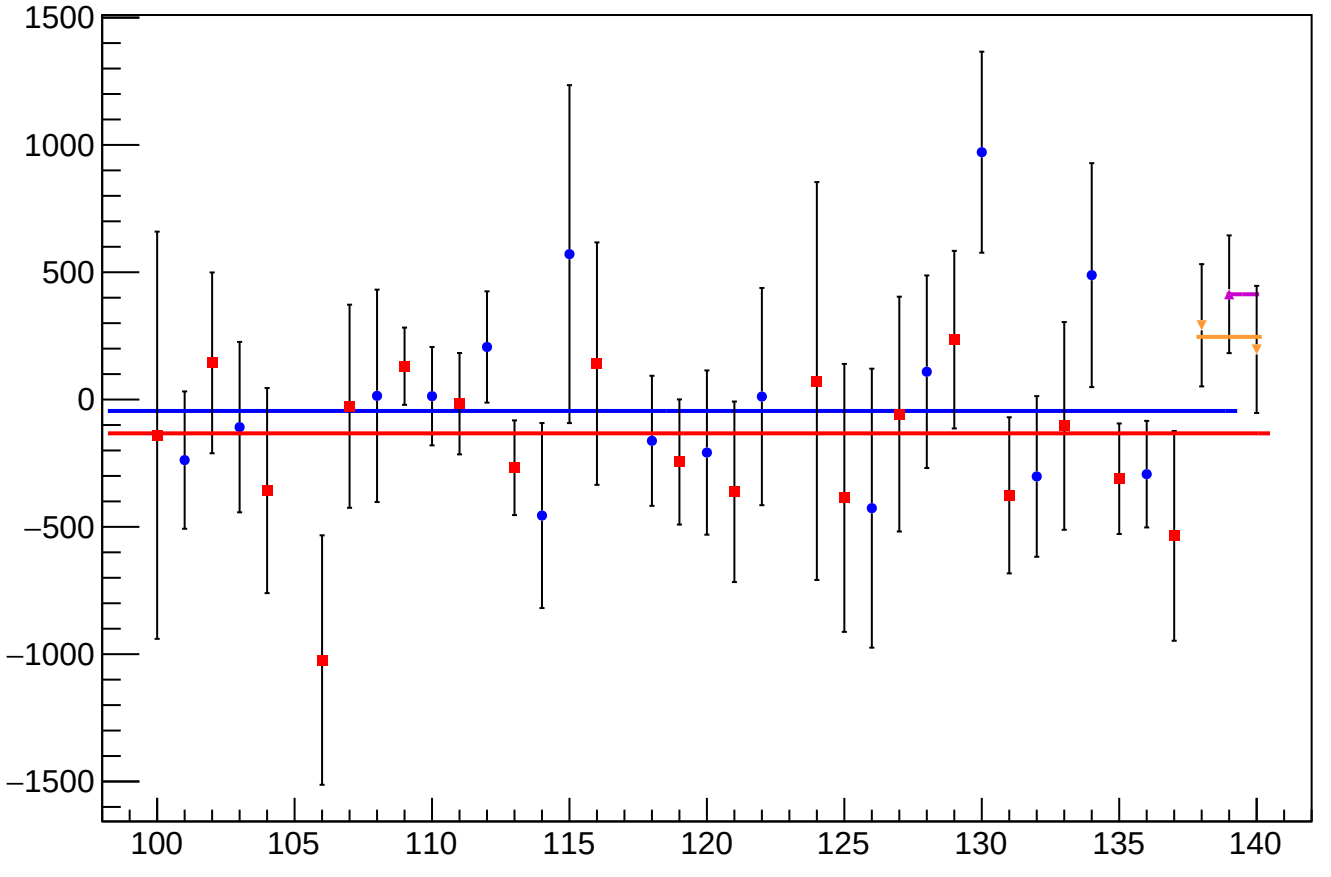
Left: 11.167+/-0.005 χ^2/NDF: 11970.8/2

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.019+/-0.003 χ^2/NDF:136627.2/16

Out: 11.097+/-0.003 χ^2/NDF:174248.7/19

All: 11.060+/-0.002 χ^2/NDF: 311290.1/36



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 246.118+/-173.048 χ^2/NDF:0.1/1

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 413.522+/-231.204 χ^2/NDF:0.0/0

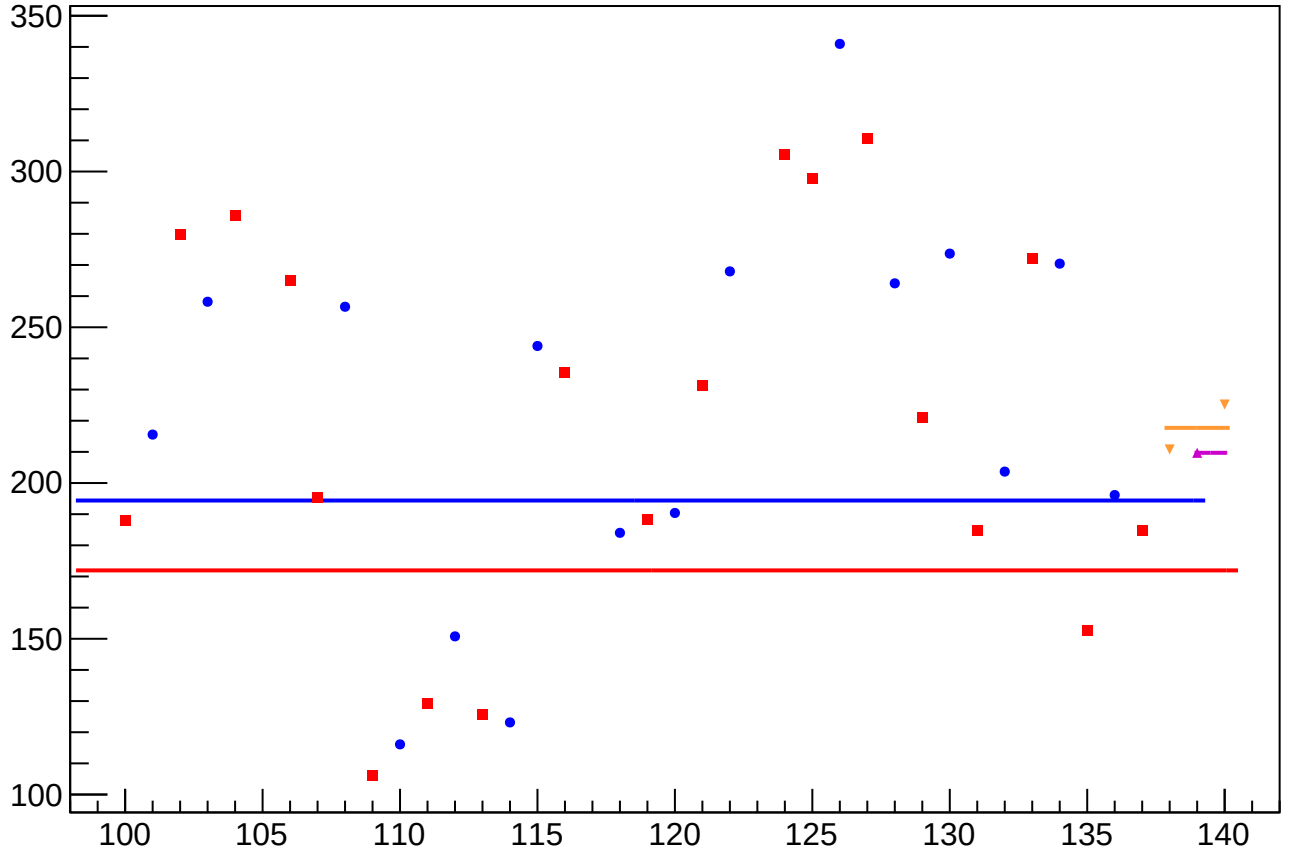
Left: 306.226+/-138.540 χ^2/NDF: 0.4/2

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 0.347+/-72.562 χ^2/NDF:19.0/16

Out: -81.707+/-63.506 χ^2/NDF:17.1/20

All: -46.117+/-47.789 χ^2/NDF: 36.8/37



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 217.710+/-0.122 χ^2/NDF:3465.9/1

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 209.701+/-0.163 χ^2/NDF:0.0/0

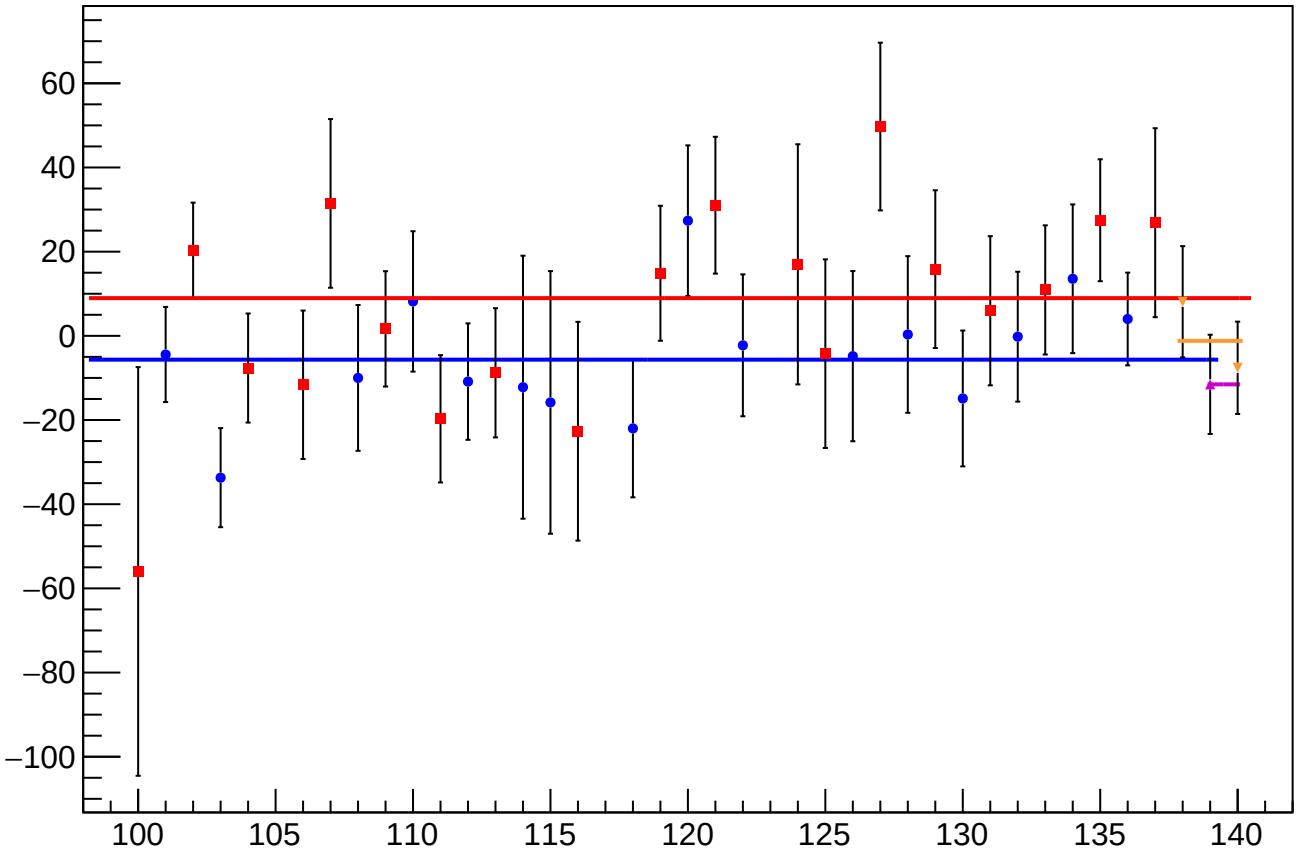
Left: 214.835+/-0.098 χ^2/NDF: 5004.2/2

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 195.894+/-0.051 χ^2/NDF:1049936.5/16

Out: 178.112+/-0.045 χ^2/NDF:1775834.6/20

All: 185.825+/-0.034 χ^2/NDF: 2893781.9/37



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.195+/-8.439 χ^2/NDF:0.8/1

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -11.529+/-11.789 χ^2/NDF:0.0/0

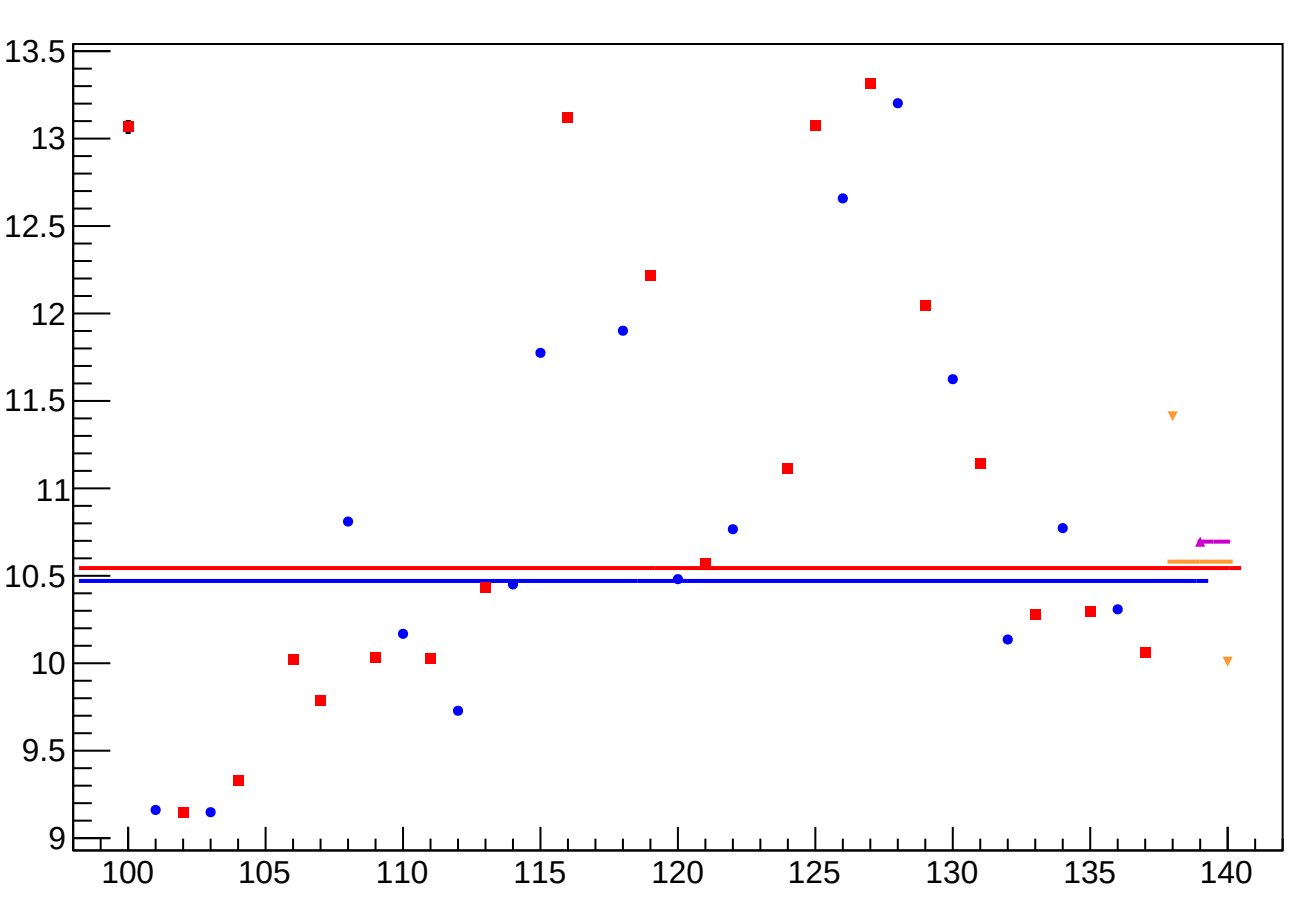
Left: -4.697+/-6.862 χ^2/NDF: 1.3/2

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -6.247+/-3.736 χ^2/NDF:13.9/16

Out: 7.172+/-3.541 χ^2/NDF:24.8/20

All: 0.822+/-2.570 χ^2/NDF: 45.5/37



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.581+/-0.006 χ^2/NDF:13347.0/1

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.695+/-0.008 χ^2/NDF:0.0/0

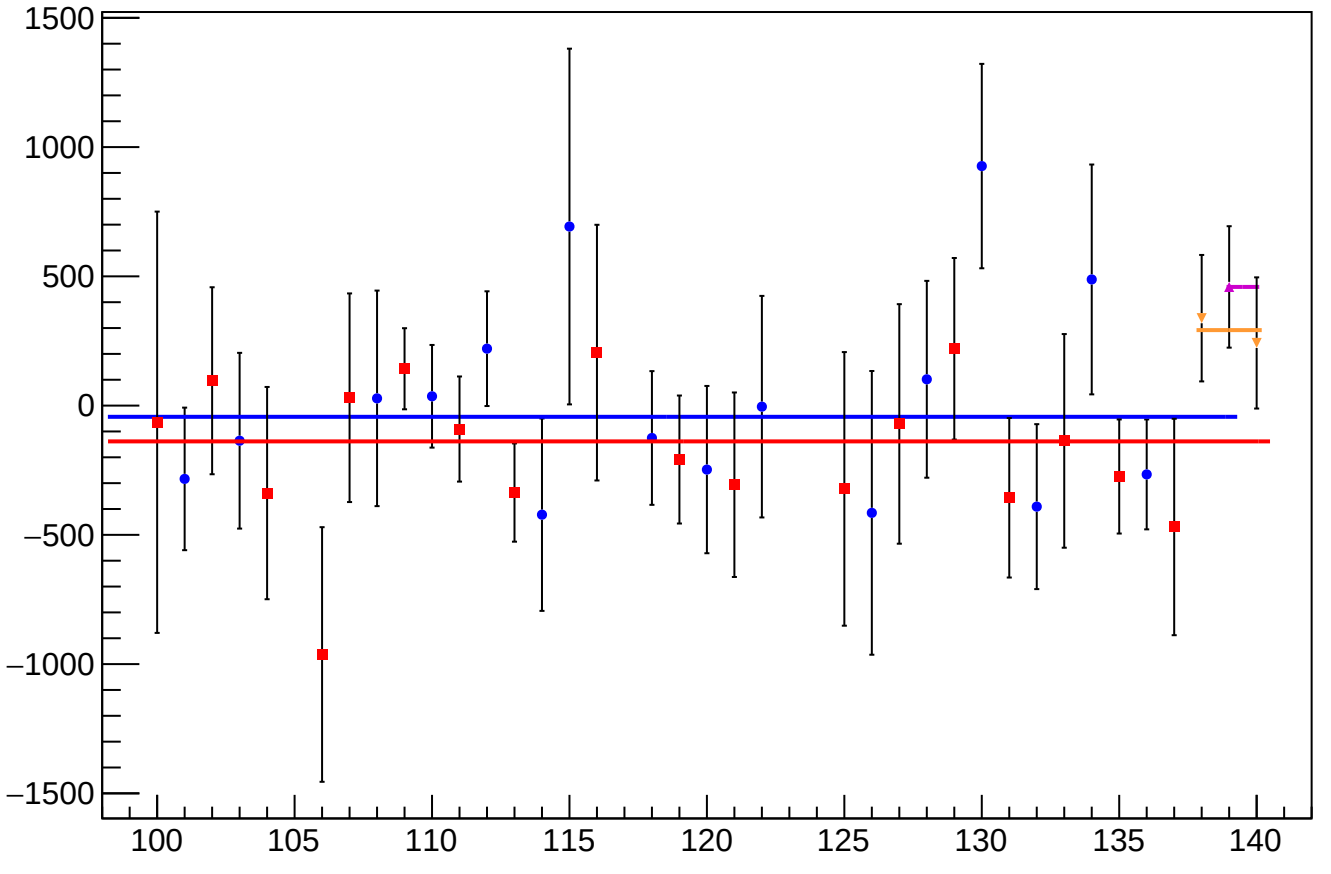
Left: 10.620+/-0.005 χ^2/NDF: 13471.5/2

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.493+/-0.003 χ^2/NDF:158019.8/16

Out: 10.551+/-0.003 χ^2/NDF:200158.4/20

All: 10.524+/-0.002 χ^2/NDF: 358429.0/37



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 292.026+/-176.090 χ^2/NDF:0.1/1

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 459.093+/-234.896 χ^2/NDF:0.0/0

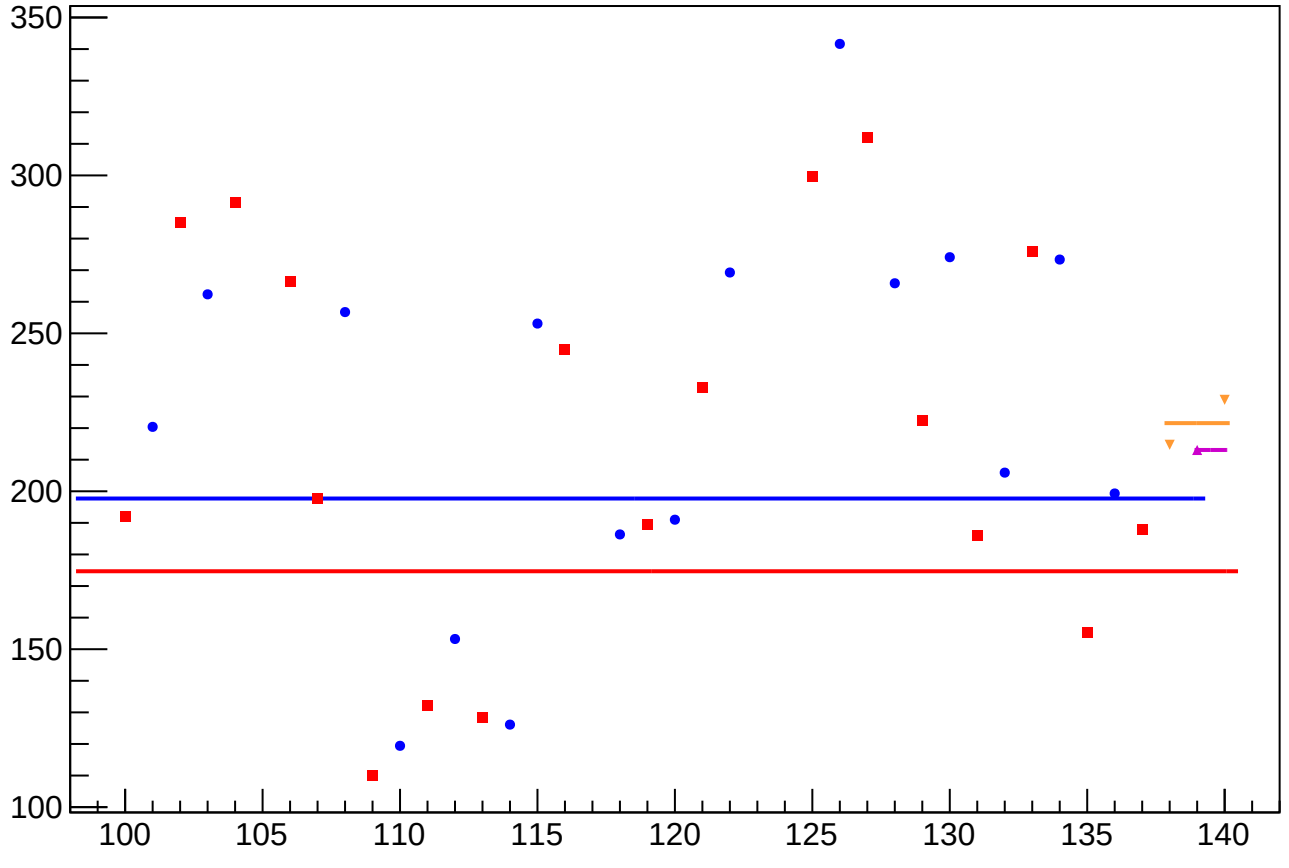
Left: 352.134+/-140.896 χ^2/NDF: 0.4/2

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 6.041+/-73.669 χ^2/NDF:19.6/16

Out: -79.953+/-64.915 χ^2/NDF:16.7/19

All: -42.367+/-48.704 χ^2/NDF: 37.0/36



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 221.576+/-0.125 χ^2/NDF:3257.7/1

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 213.079+/-0.166 χ^2/NDF:0.0/0

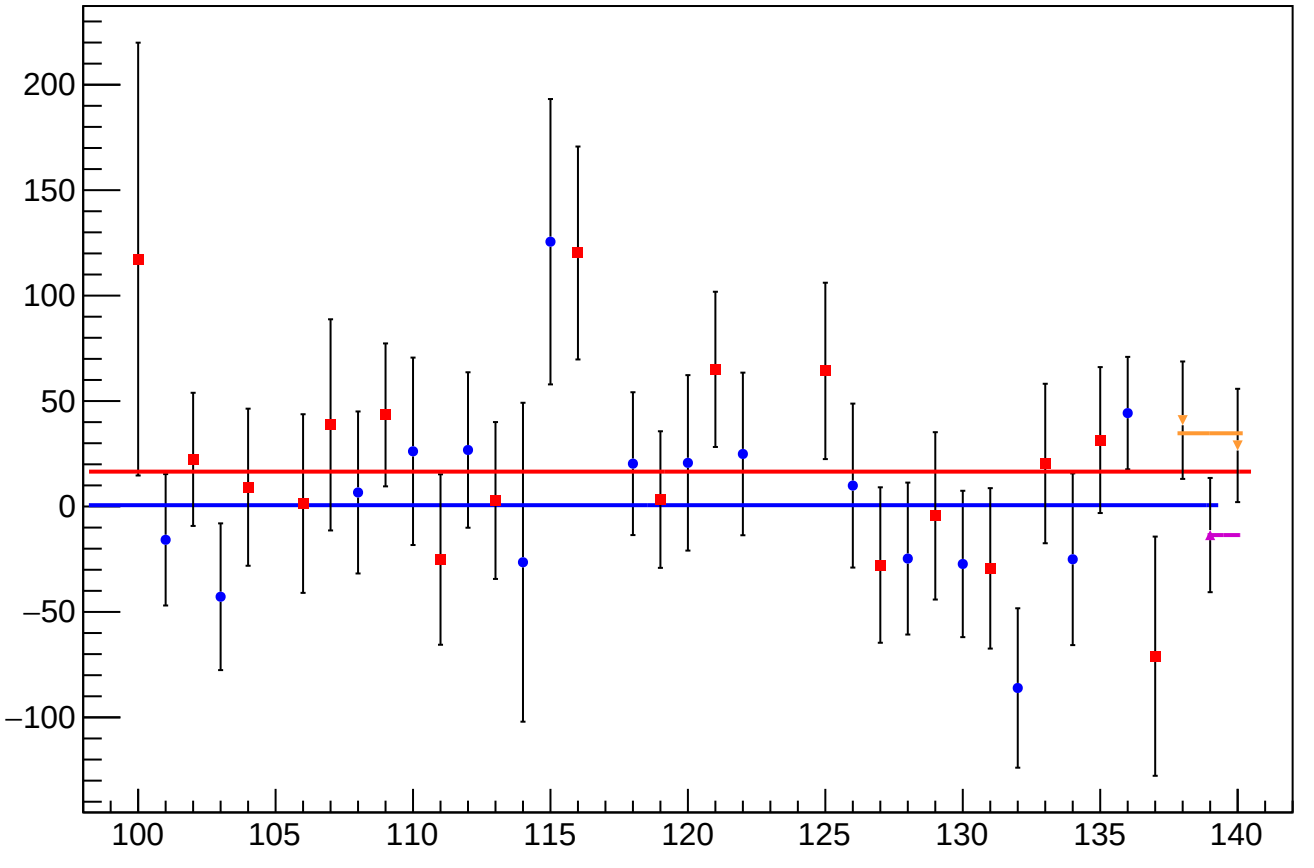
Left: 218.519+/-0.100 χ^2/NDF: 4933.3/2

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 199.219+/-0.052 χ^2/NDF:1008046.6/16

Out: 181.052+/-0.046 χ^2/NDF:1660586.5/19

All: 188.993+/-0.034 χ^2/NDF: 2737098.5/36



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 34.719+/-19.334 χ^2/NDF:0.1/1

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: -13.550+/-27.085 χ^2/NDF:0.0/0

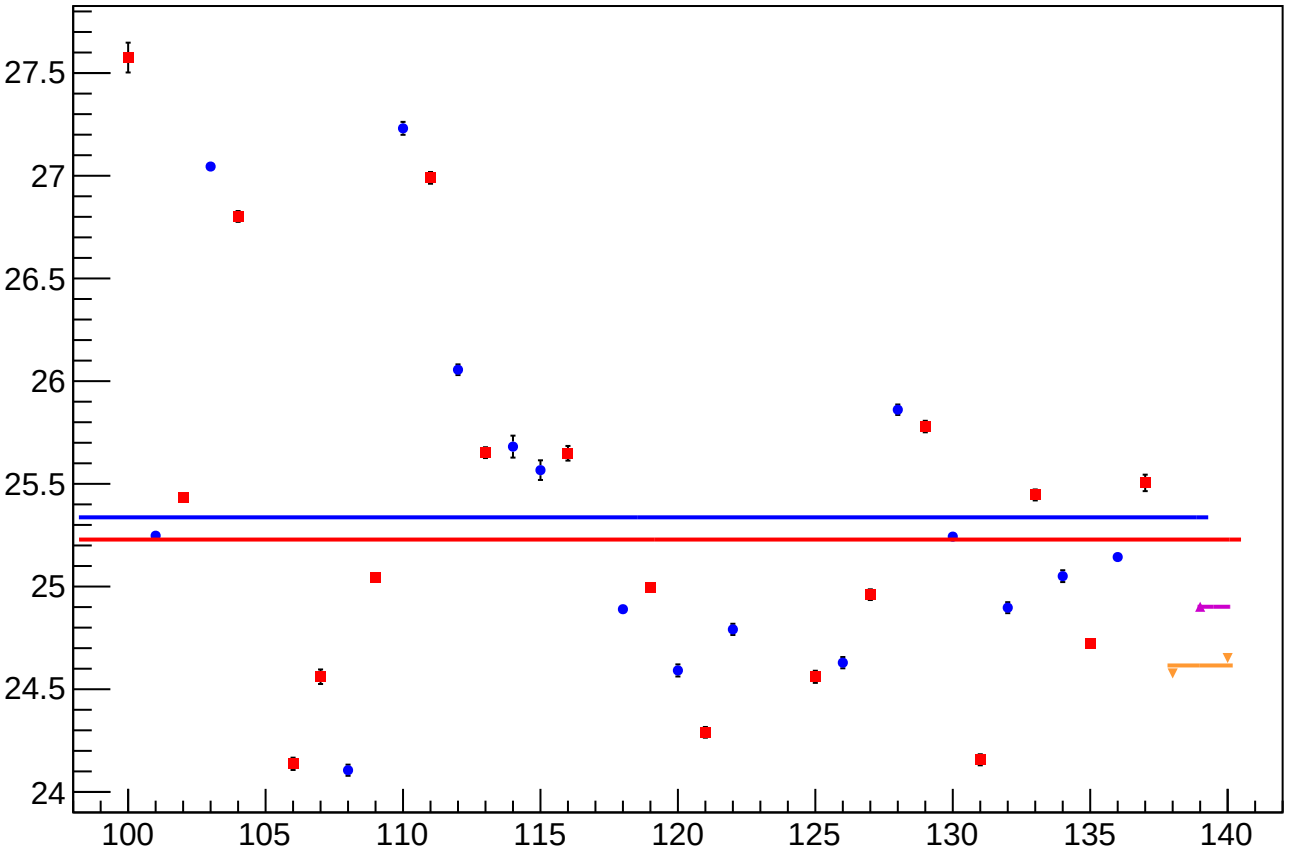
Left: 18.426+/-15.736 χ^2/NDF: 2.2/2

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: -0.910+/-8.898 χ^2/NDF:17.0/16

Out: 19.955+/-8.386 χ^2/NDF:17.2/19

All: 10.141+/-6.103 χ^2/NDF: 37.1/36



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 24.616+/-0.014 χ^2/NDF:7.5/1

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.902+/-0.019 χ^2/NDF:0.0/0

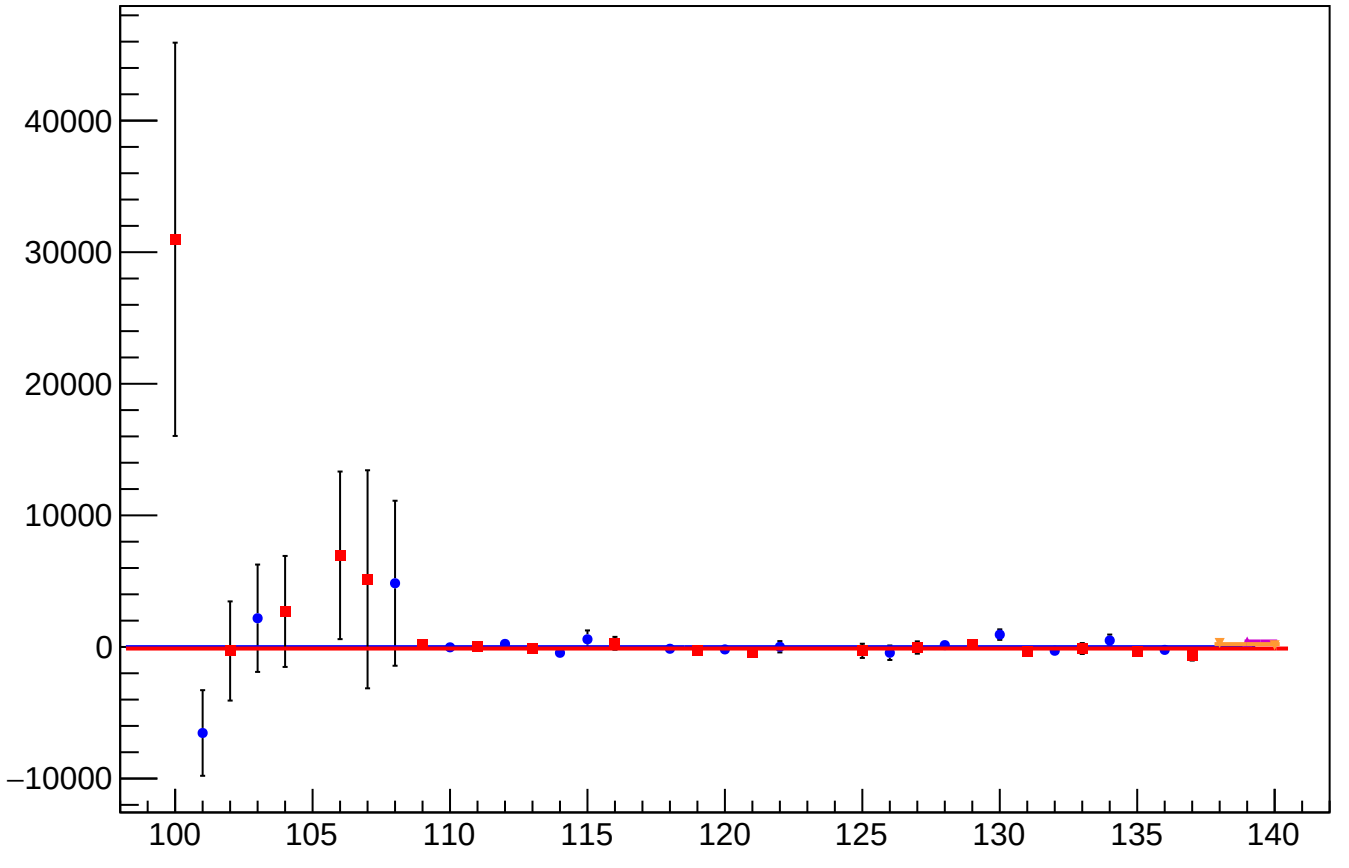
Left: 24.712+/-0.011 χ^2/NDF: 155.1/2

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.290+/-0.006 χ^2/NDF:14776.1/16

Out: 25.113+/-0.006 χ^2/NDF:16816.0/19

All: 25.197+/-0.004 χ^2/NDF: 32009.0/36



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 217.227+/-171.670 χ^2/NDF:0.2/1

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 416.263+/-230.072 χ^2/NDF:0.0/0

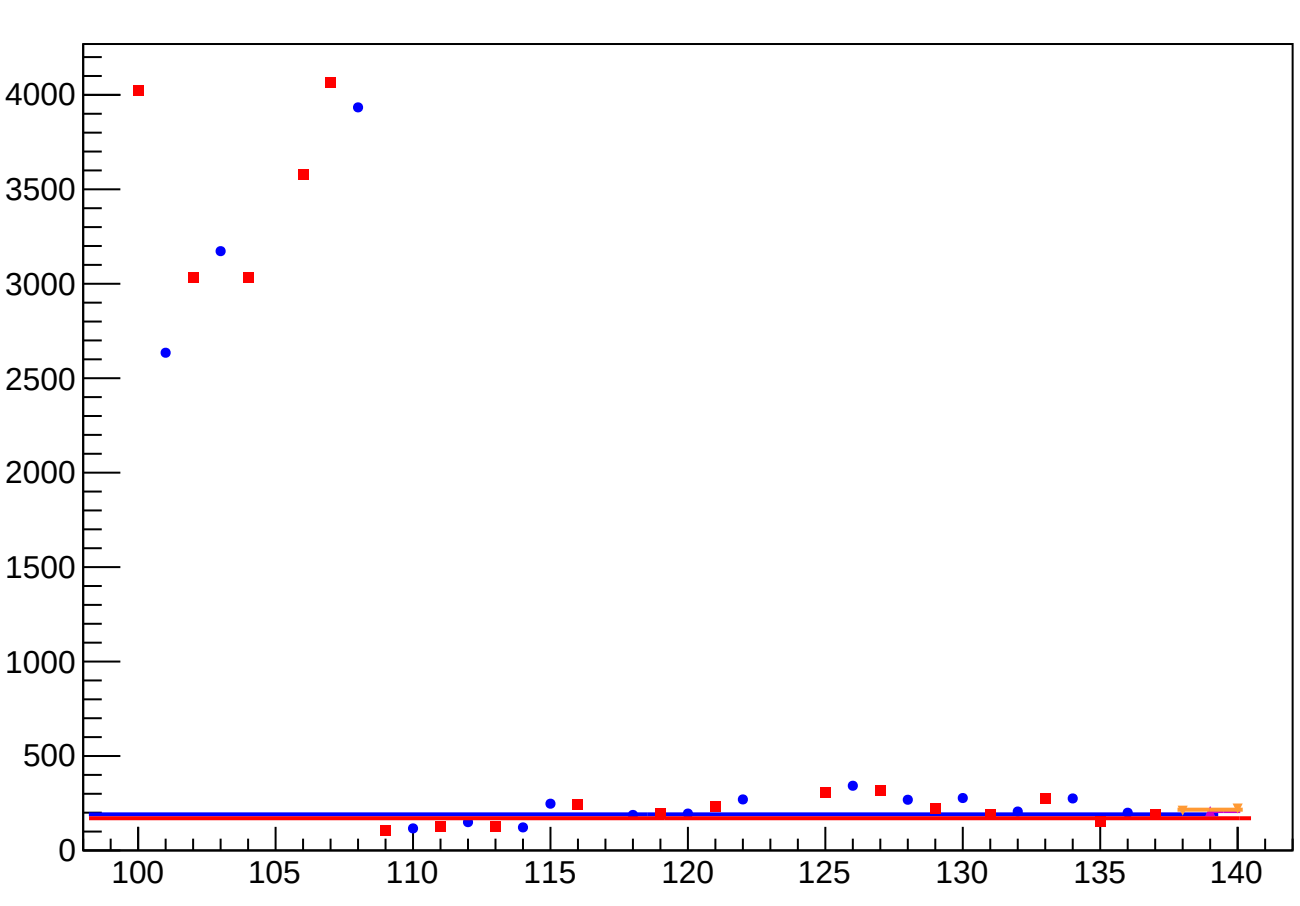
Left: 288.409+/-137.589 χ^2/NDF: 0.7/2

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 37.832+/-79.281 χ^2/NDF:21.4/16

Out: -61.978+/-71.200 χ^2/NDF:17.8/19

All: -17.418+/-52.973 χ^2/NDF: 40.1/36



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 215.913+/-0.121 χ^2/NDF:2202.9/1

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 208.481+/-0.163 χ^2/NDF:0.0/0

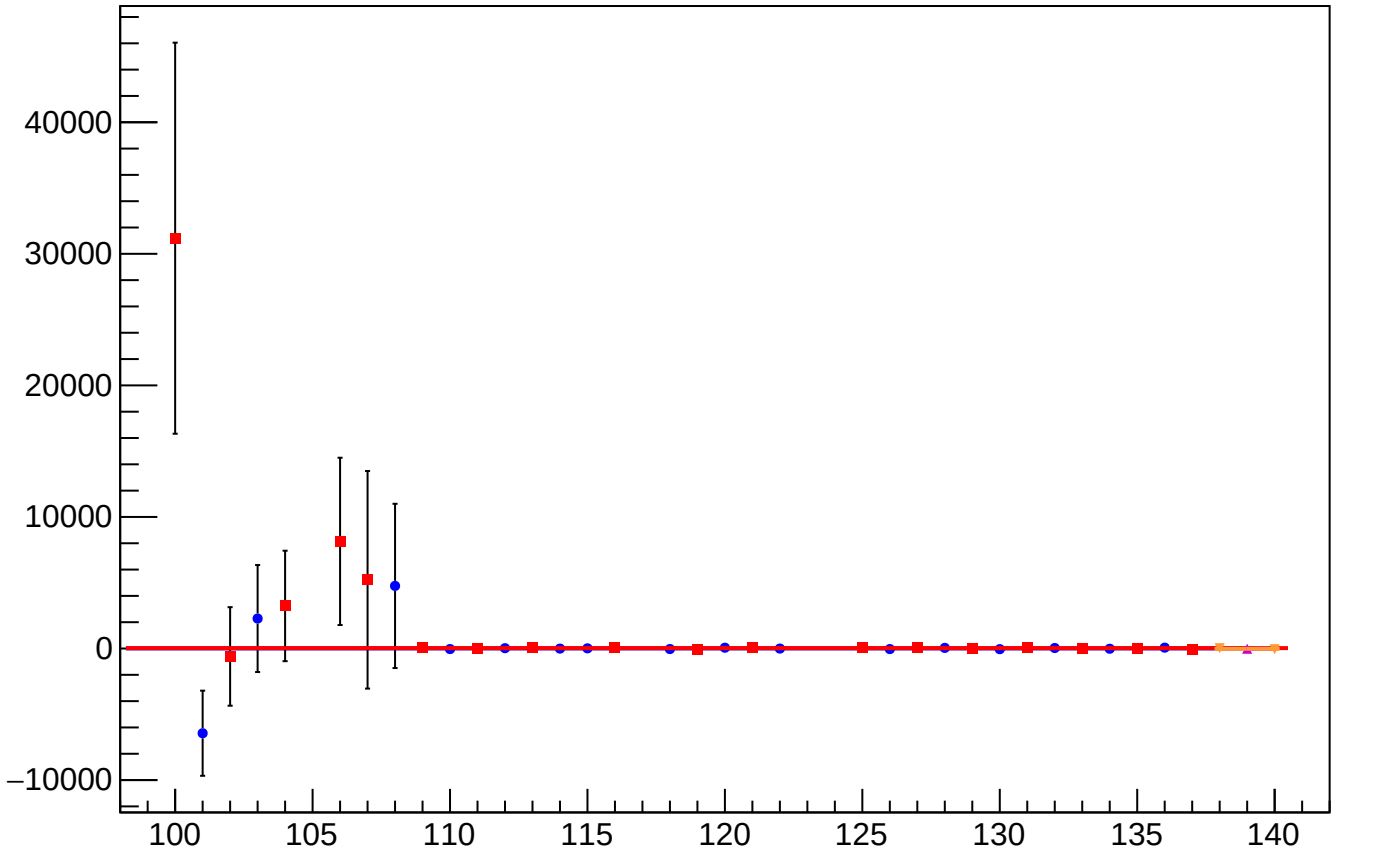
Left: 213.255+/-0.097 χ^2/NDF: 3543.5/2

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 193.137+/-0.056 χ^2/NDF:3844046.5/16

Out: 178.307+/-0.050 χ^2/NDF:4372941.4/19

All: 184.928+/-0.037 χ^2/NDF: 8255728.8/36



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -21.073+/-22.251 χ^2/NDF:3.2/1

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: -15.527+/-30.693 χ^2/NDF:0.0/0

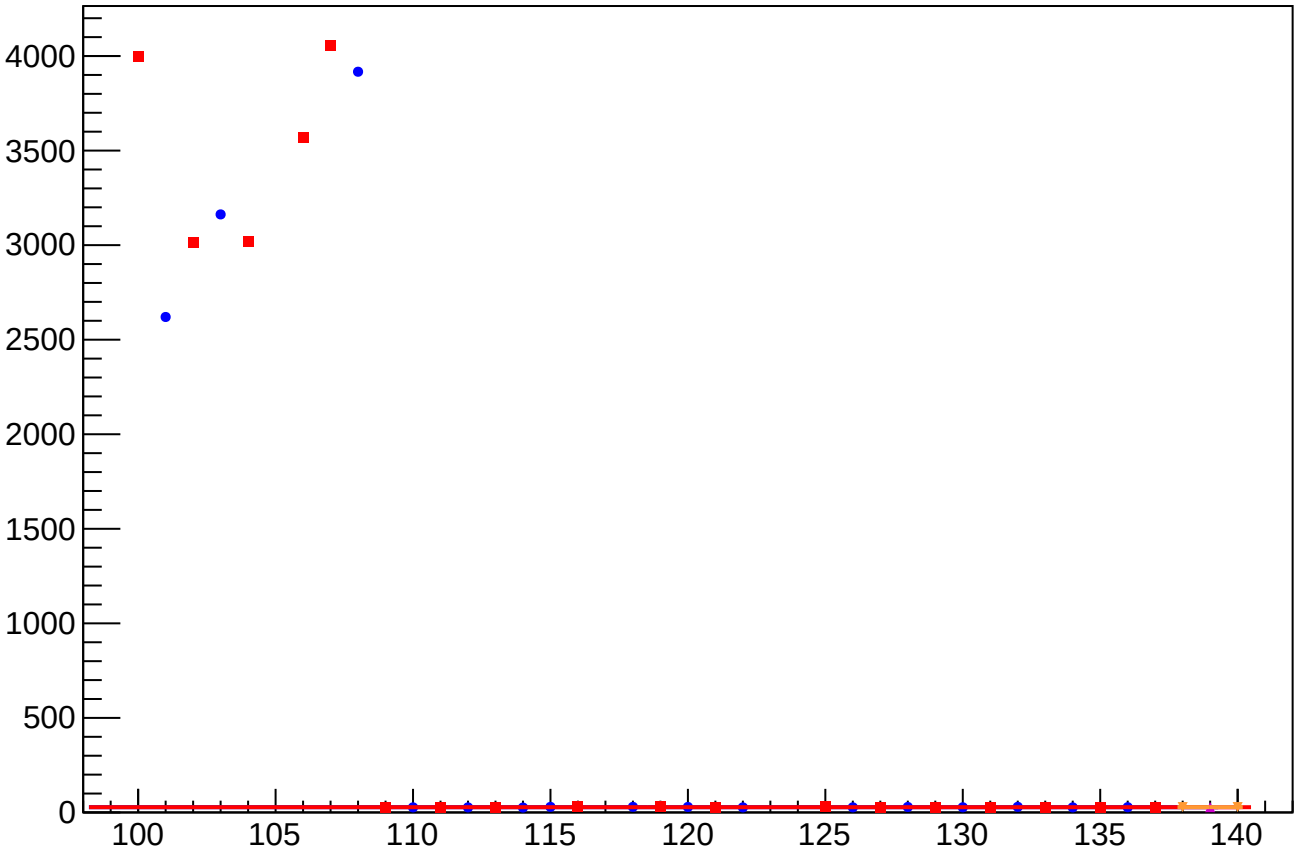
Left: -19.163+/-18.015 χ^2/NDF: 3.2/2

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 3.670+/-10.985 χ^2/NDF:18.7/16

Out: 18.939+/-10.619 χ^2/NDF:27.2/19

All: 11.563+/-7.635 χ^2/NDF: 47.0/36



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.229+/-0.016 χ^2/NDF:5.9/1

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.138+/-0.022 χ^2/NDF:0.0/0

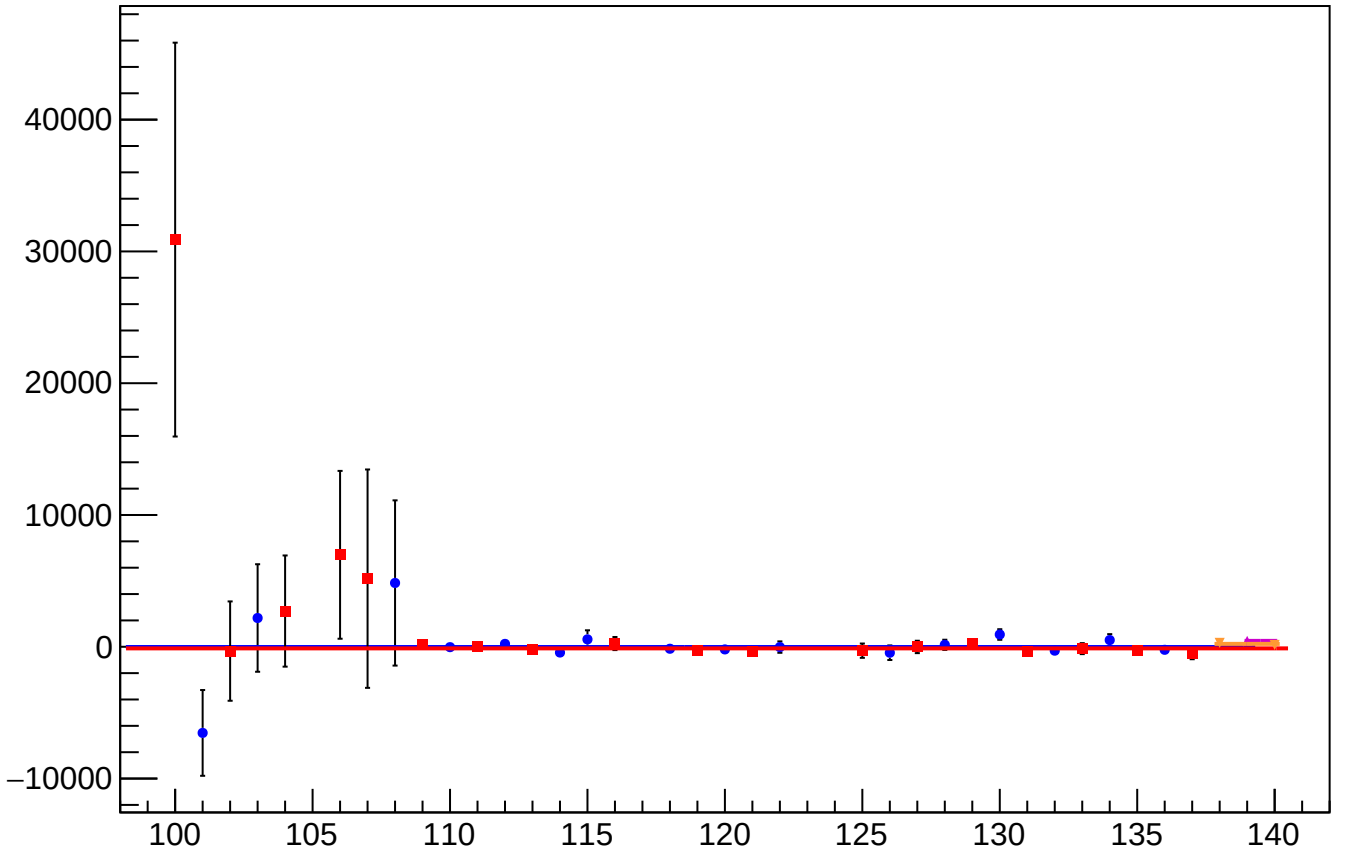
Left: 28.198+/-0.013 χ^2/NDF: 17.3/2

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 27.865+/-0.008 χ^2/NDF:3266077.3/16

Out: 27.881+/-0.008 χ^2/NDF:3559038.0/19

All: 27.873+/-0.005 χ^2/NDF: 6825117.5/36



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 219.913+/-172.572 χ^2/NDF:0.2/1

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 446.867+/-231.334 χ^2/NDF:0.0/0

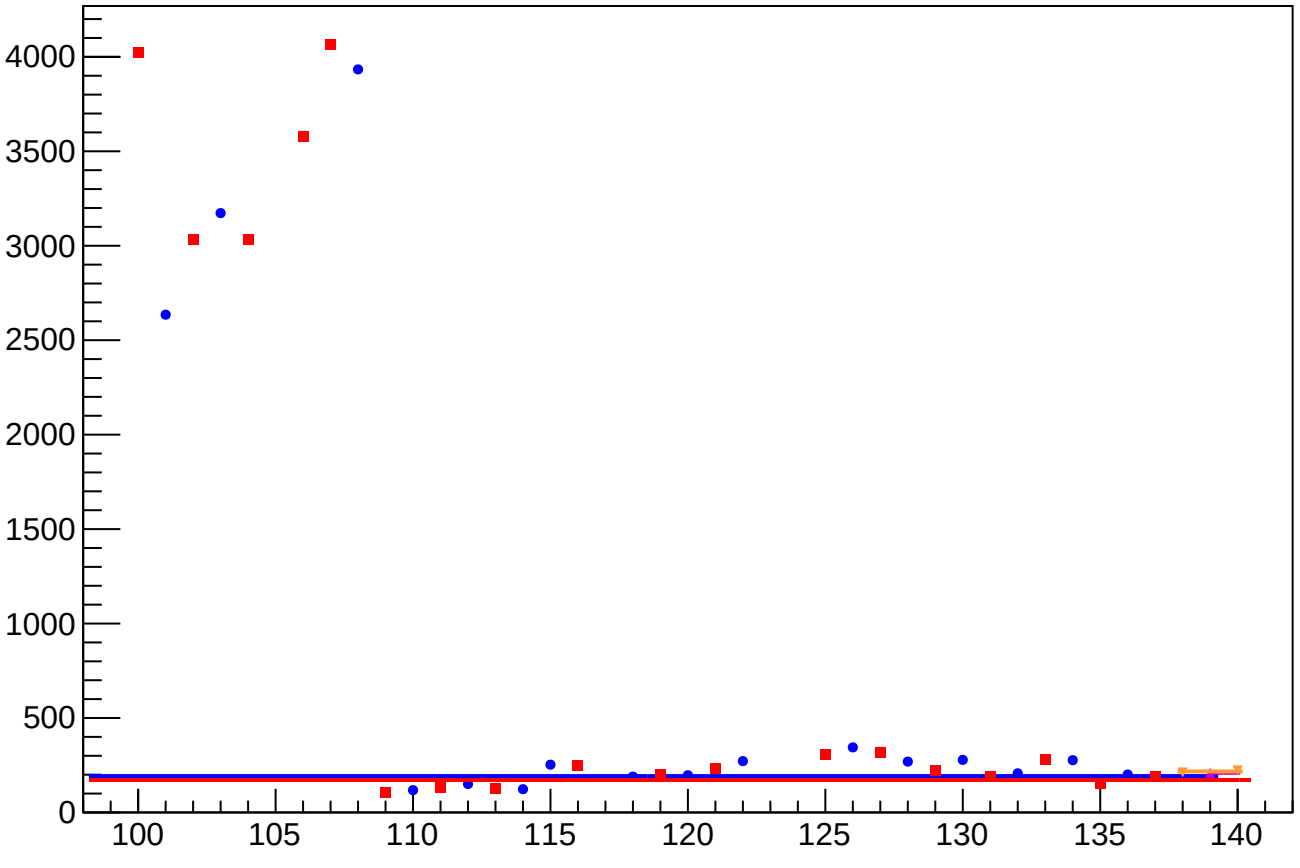
Left: 301.056+/-138.324 χ^2/NDF: 0.8/2

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 36.027+/-79.837 χ^2/NDF:21.8/16

Out: -62.578+/-71.714 χ^2/NDF:16.7/19

All: -18.546+/-53.351 χ^2/NDF: 39.3/36



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 217.048+/-0.122 χ^2/NDF:2251.4/1

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 209.627+/-0.164 χ^2/NDF:0.0/0

Left: 214.395+/-0.098 χ^2/NDF: 3573.5/2

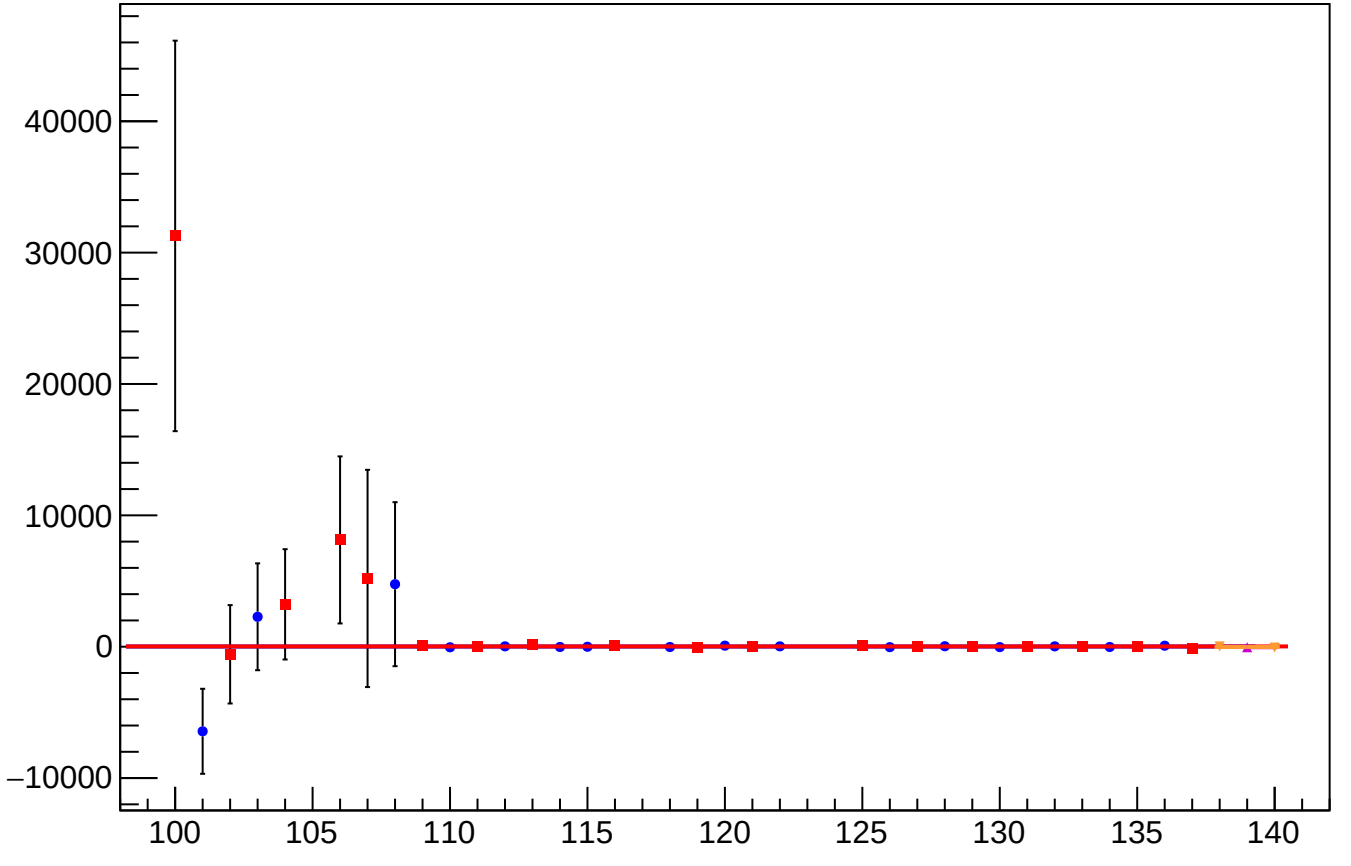
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 194.593+/-0.056 χ^2/NDF:3832378.9/16

Out: 179.695+/-0.051 χ^2/NDF:4363308.0/19

All: 186.348+/-0.038 χ^2/NDF: 8234227.7/36

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -23.553+/-24.299 χ^2/NDF:3.4/1

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: -40.282+/-33.534 χ^2/NDF:0.0/0

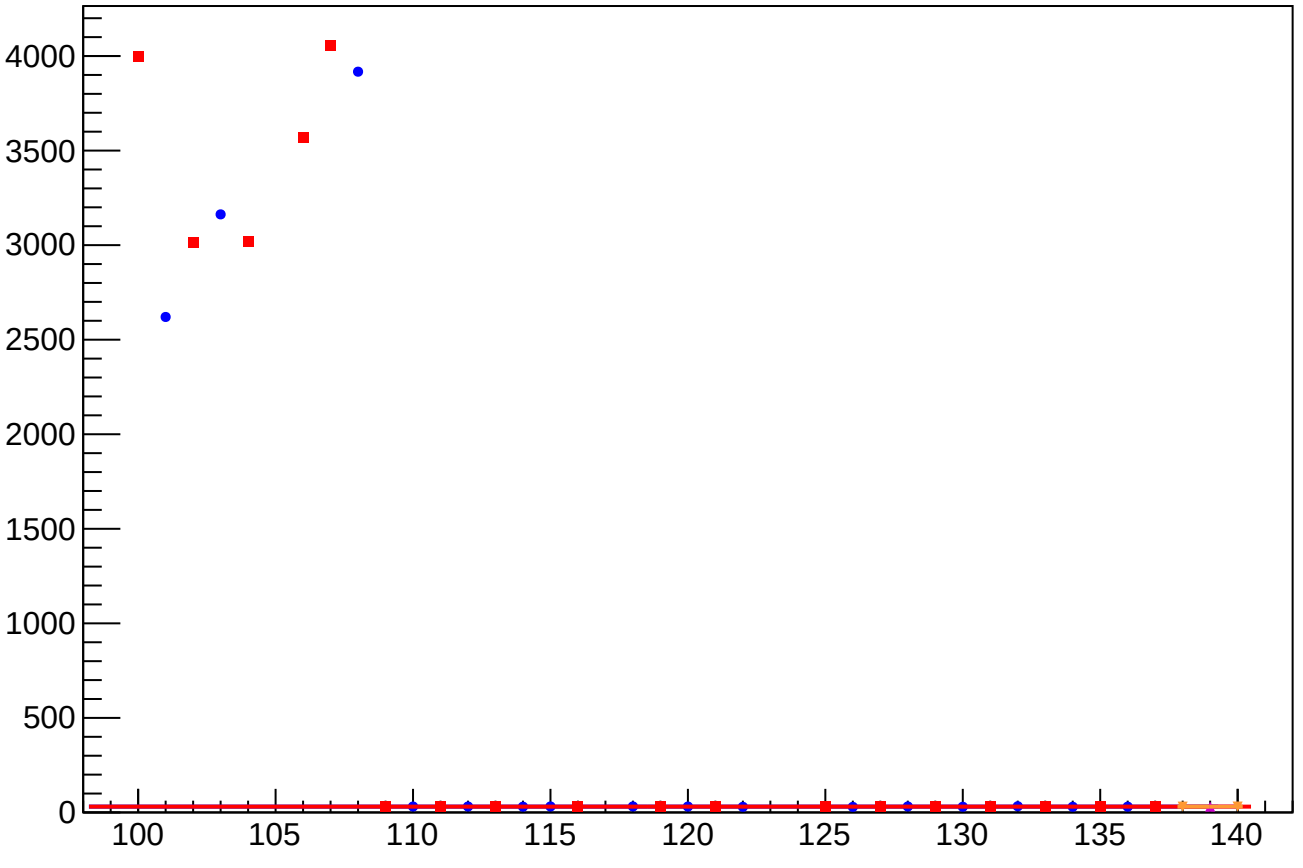
Left: -29.313+/-19.676 χ^2/NDF: 3.6/2

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 6.600+/-12.171 χ^2/NDF:17.7/16

Out: 11.327+/-11.722 χ^2/NDF:34.4/19

All: 9.052+/-8.443 χ^2/NDF: 52.2/36



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 30.847+/-0.017 χ^2/NDF:62.4/1

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 30.765+/-0.024 χ^2/NDF:0.0/0

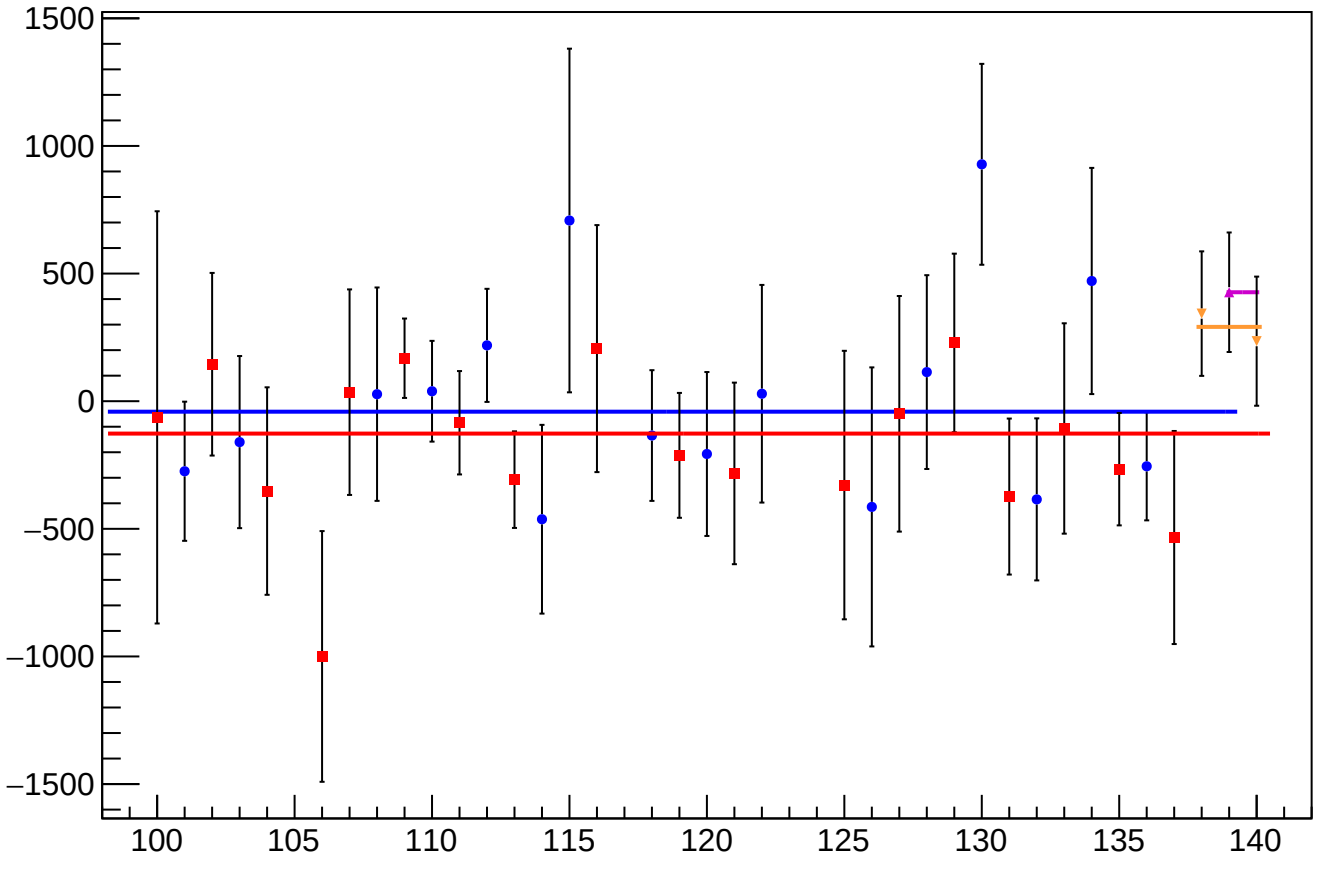
Left: 30.819+/-0.014 χ^2/NDF: 70.1/2

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 30.907+/-0.009 χ^2/NDF:3252648.8/16

Out: 30.814+/-0.008 χ^2/NDF:3536026.9/19

All: 30.859+/-0.006 χ^2/NDF: 6788736.2/36



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 291.092+/-175.574 χ^2/NDF:0.1/1

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 426.844+/-234.099 χ^2/NDF:0.0/0

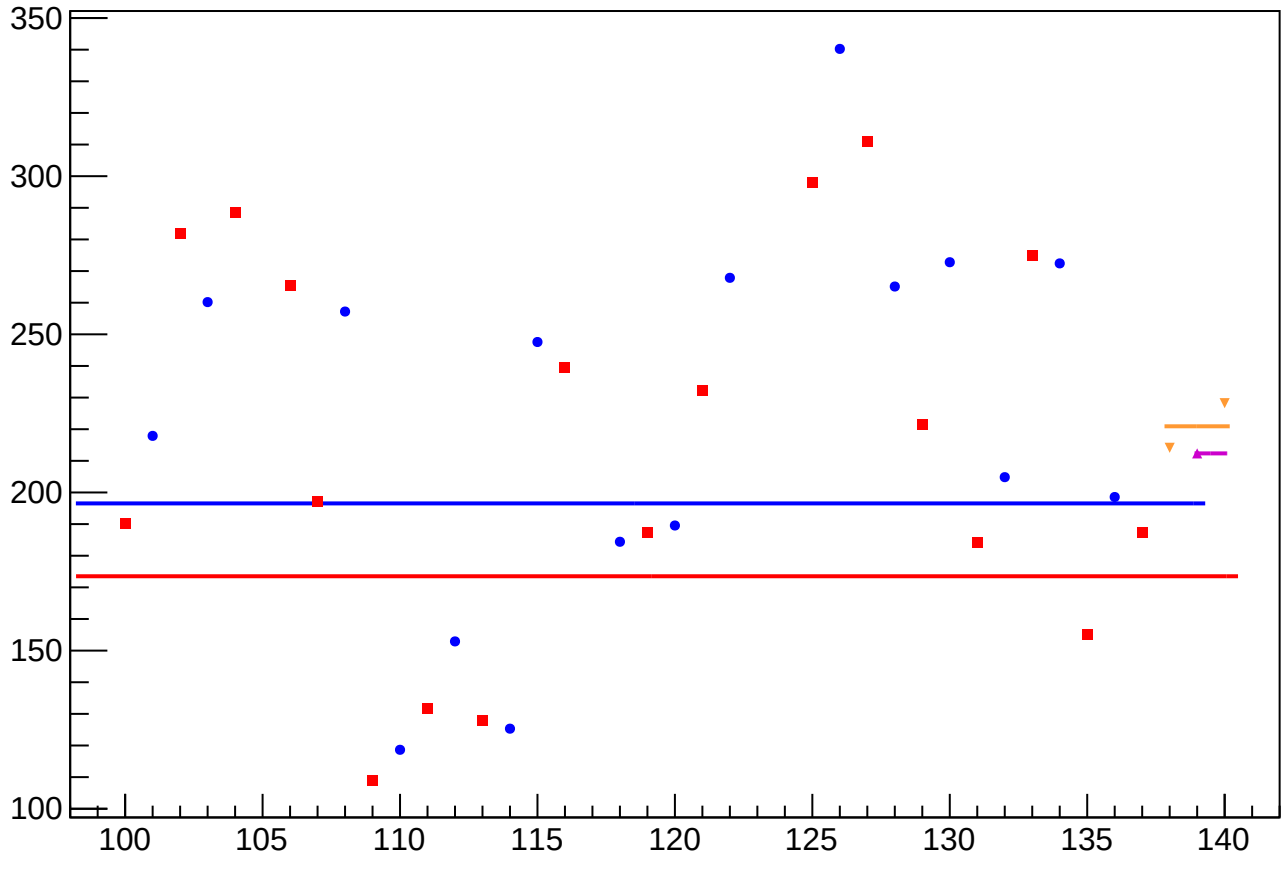
Left: 339.963+/-140.459 χ^2/NDF: 0.3/2

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 4.720+/-73.264 χ^2/NDF:19.2/16

Out: -70.438+/-64.527 χ^2/NDF:17.8/19

All: -37.606+/-48.423 χ^2/NDF: 37.6/36



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 220.922+/-0.124 χ^2/NDF:3220.8/1

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 212.354+/-0.166 χ^2/NDF:0.0/0

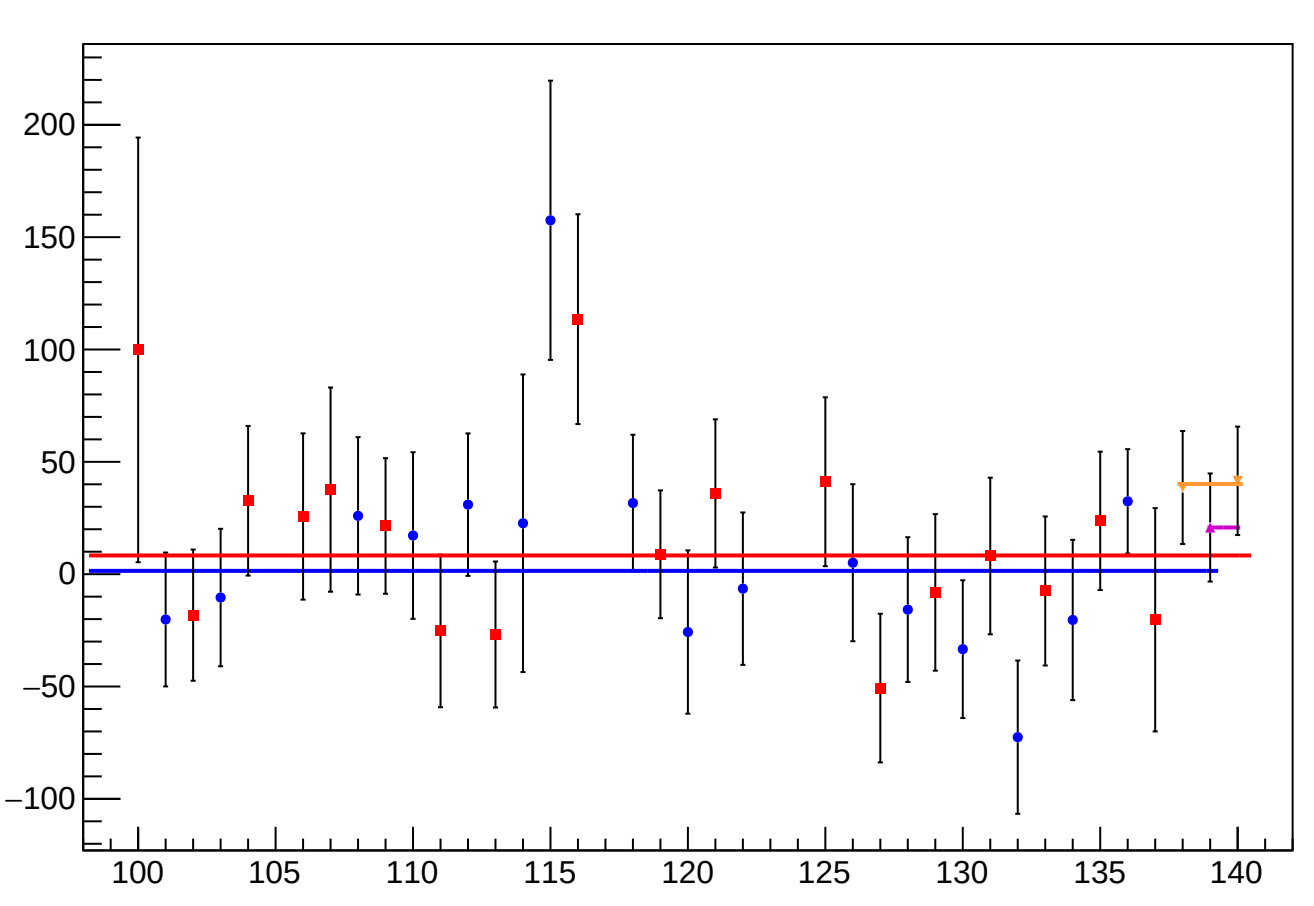
Left: 217.837+/-0.099 χ^2/NDF: 4935.4/2

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 198.091+/-0.052 χ^2/NDF:1009000.8/16

Out: 179.913+/-0.046 χ^2/NDF:1662088.3/19

All: 187.854+/-0.034 χ^2/NDF: 2740423.8/36



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 40.133+/-17.412 χ^2/NDF:0.0/1

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 20.777+/-24.054 χ^2/NDF:0.0/0

Left: 33.478+/-14.104 χ^2/NDF: 0.4/2

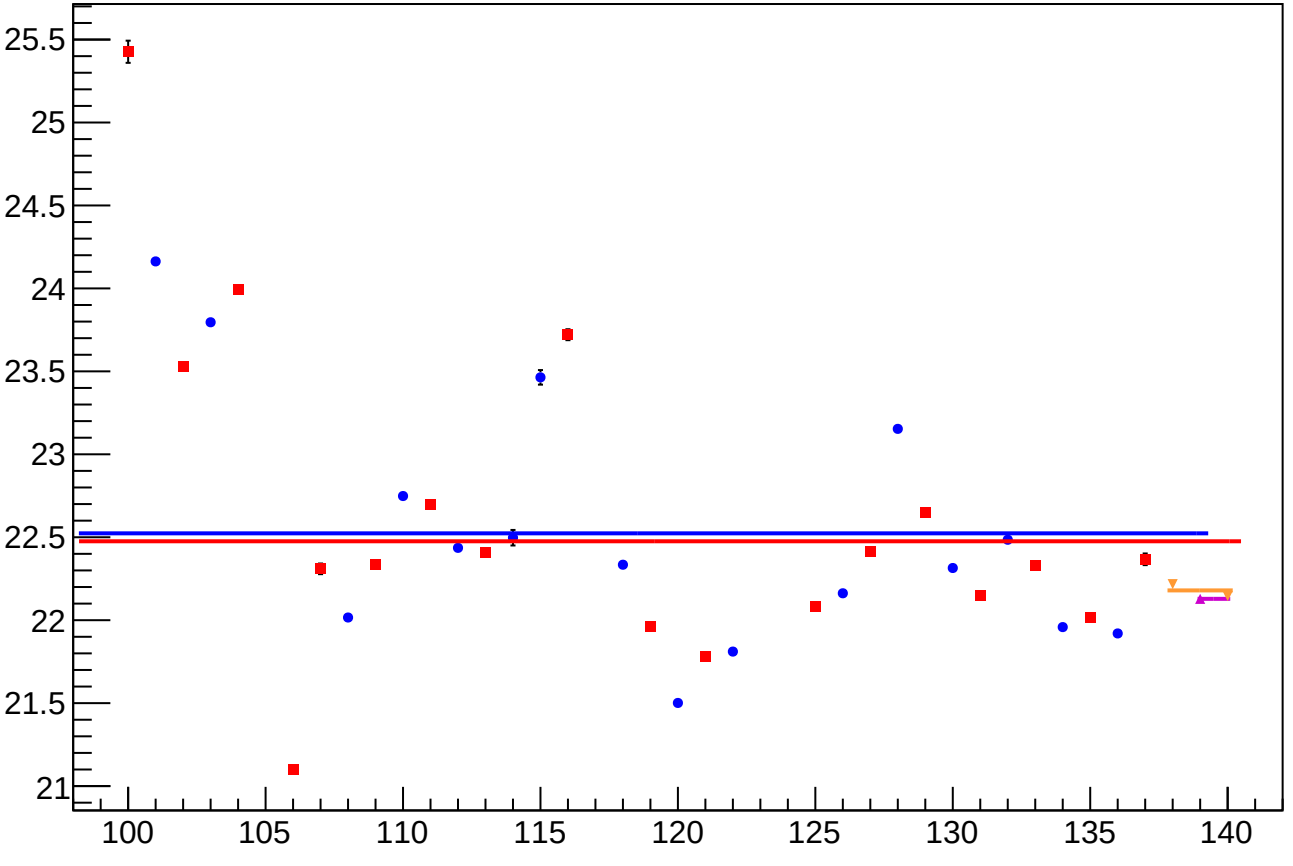
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 3.560+/-7.905 χ^2/NDF:19.2/16

Out: 14.201+/-7.482 χ^2/NDF:18.8/19

All: 9.173+/-5.434 χ^2/NDF: 39.0/36

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.180+/-0.012 χ^2/NDF:8.6/1

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.129+/-0.017 χ^2/NDF:0.0/0

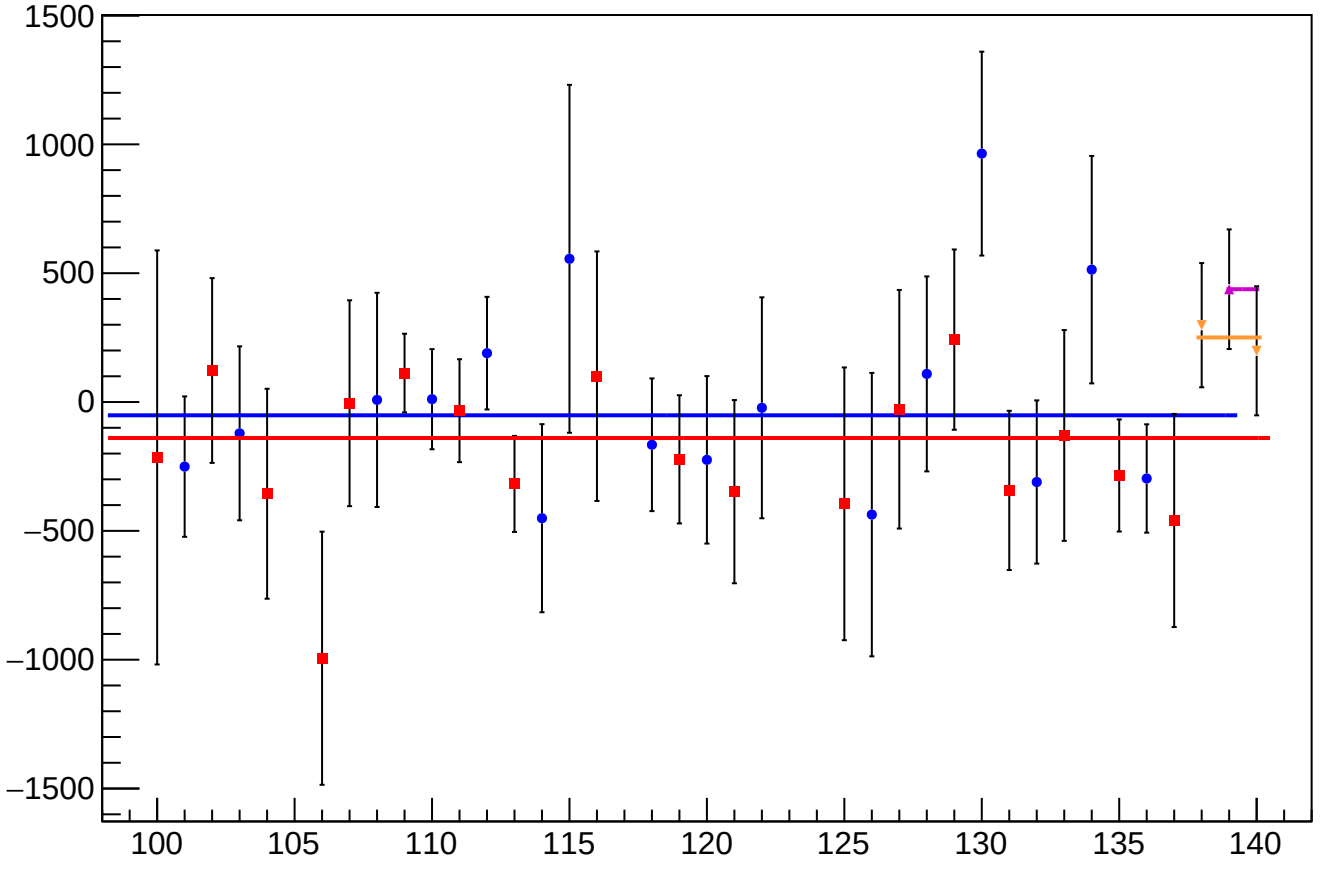
Left: 22.162+/-0.010 χ^2/NDF: 14.5/2

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.481+/-0.006 χ^2/NDF:16428.5/16

Out: 22.421+/-0.005 χ^2/NDF:16016.8/19

All: 22.449+/-0.004 χ^2/NDF: 32505.9/36



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 250.473+/-173.705 χ^2/NDF:0.1/1

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 437.814+/-232.146 χ^2/NDF:0.0/0

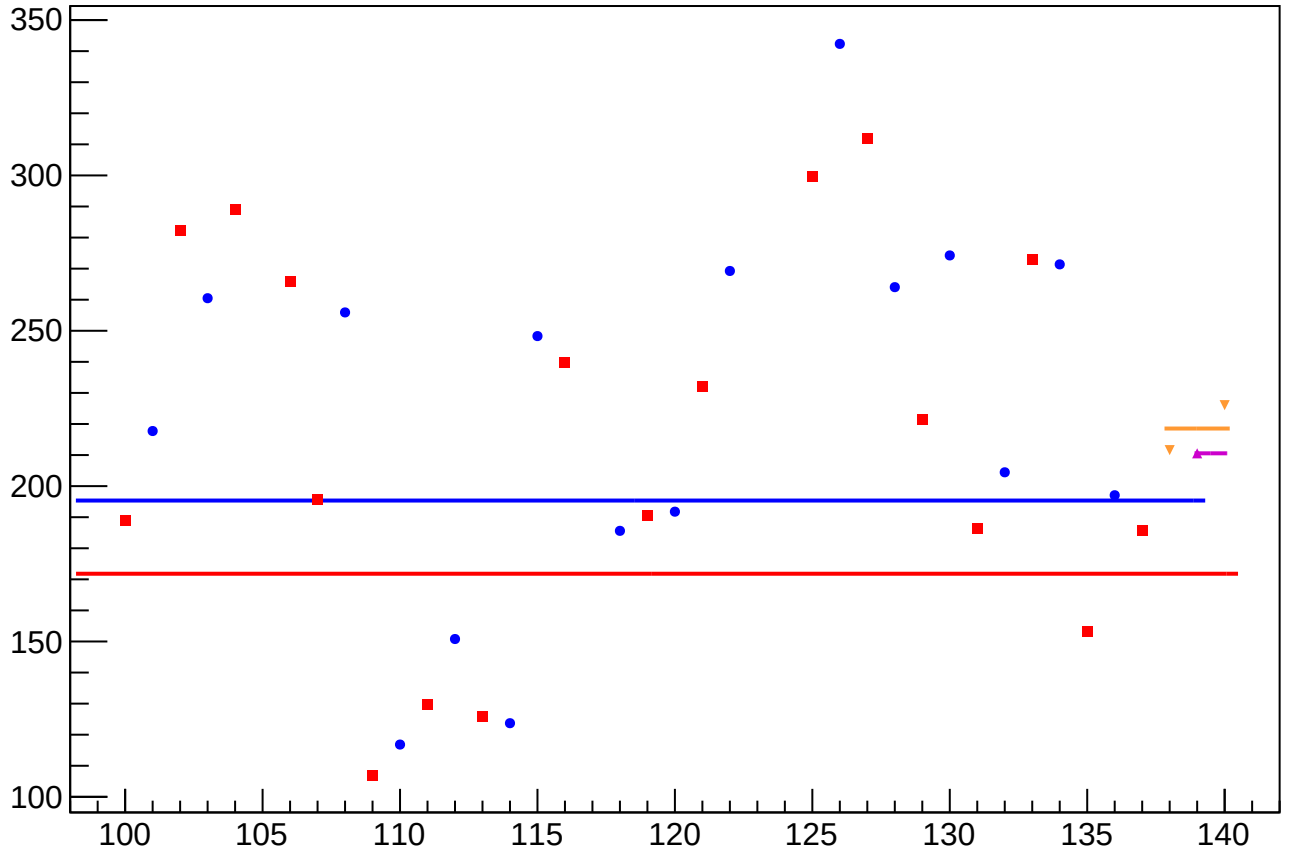
Left: 317.715+/-139.080 χ^2/NDF: 0.5/2

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: -3.224+/-72.912 χ^2/NDF:19.3/16

Out: -86.541+/-64.036 χ^2/NDF:16.0/19

All: -50.260+/-48.114 χ^2/NDF: 36.1/36



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 218.539+/-0.123 χ^2/NDF:3466.9/1

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 210.559+/-0.164 χ^2/NDF:0.0/0

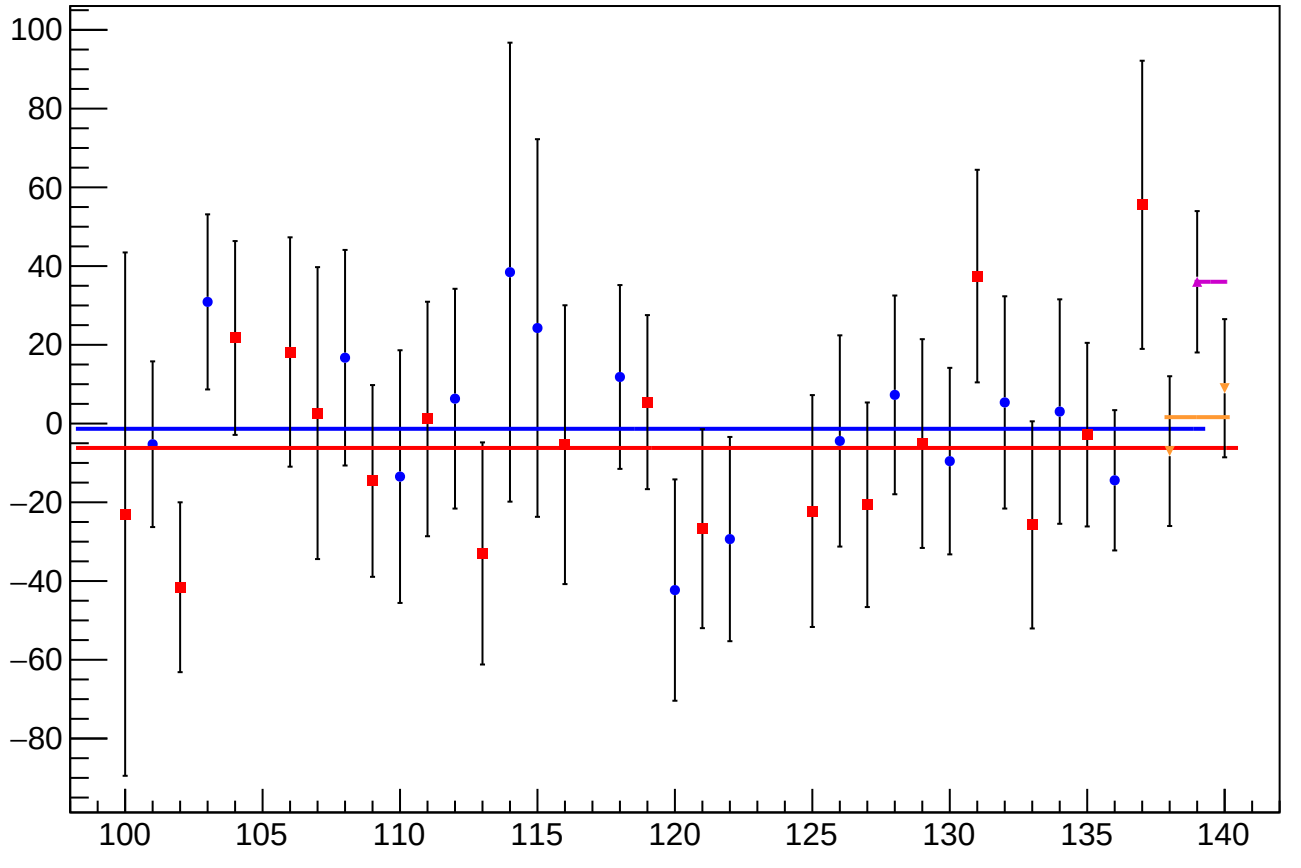
Left: 215.675+/-0.098 χ^2/NDF: 4982.1/2

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 196.860+/-0.052 χ^2/NDF:1049158.5/16

Out: 178.156+/-0.045 χ^2/NDF:1729226.3/19

All: 186.301+/-0.034 χ^2/NDF: 2852684.8/36



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.629+/-12.899 χ^2/NDF:0.4/1

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 36.013+/-17.957 χ^2/NDF:0.0/0

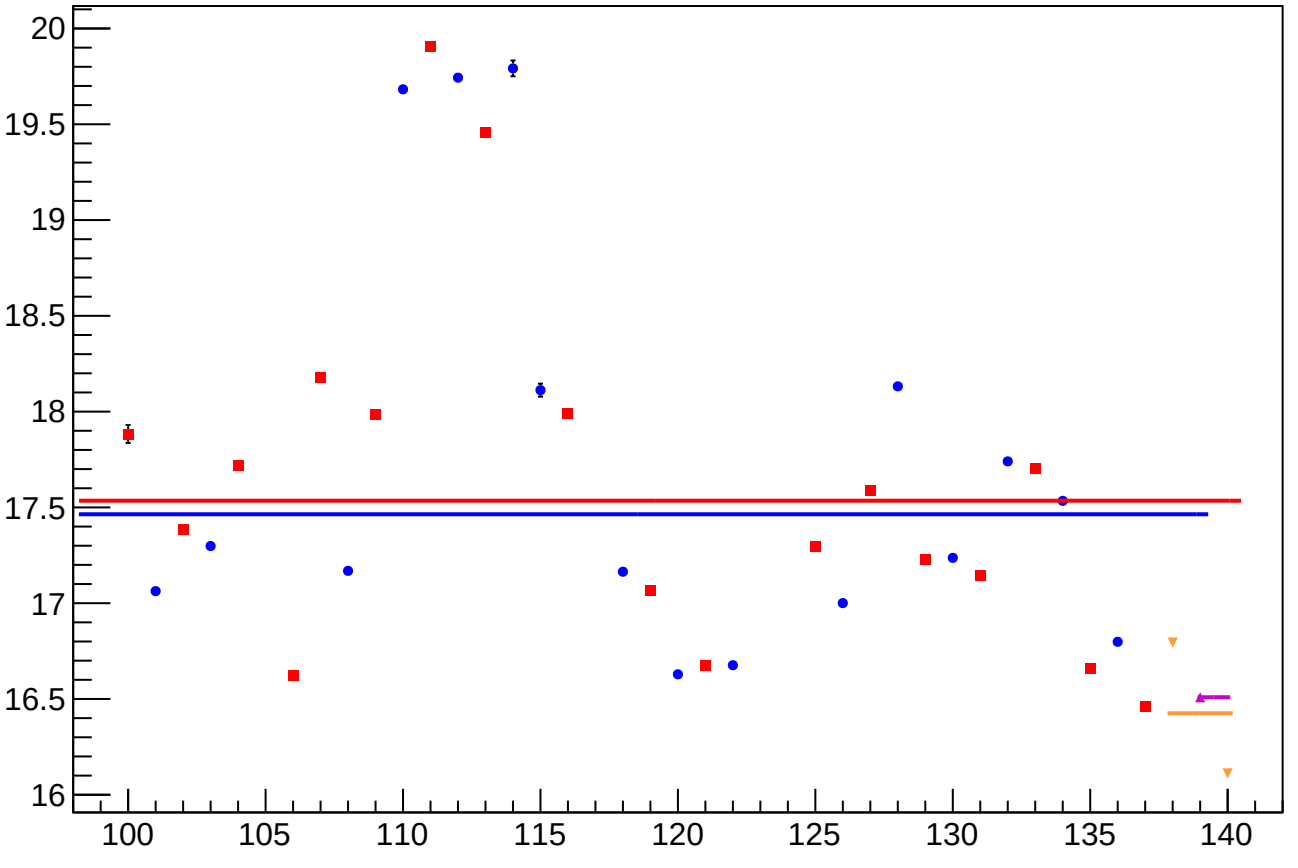
Left: 13.332+/-10.477 χ^2/NDF: 2.8/2

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 2.993+/-6.111 χ^2/NDF:11.8/16

Out: -4.621+/-5.785 χ^2/NDF:14.1/19

All: -1.022+/-4.201 χ^2/NDF: 26.8/36



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.425+/-0.009 χ^2/NDF:1392.4/1

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.509+/-0.013 χ^2/NDF:0.0/0

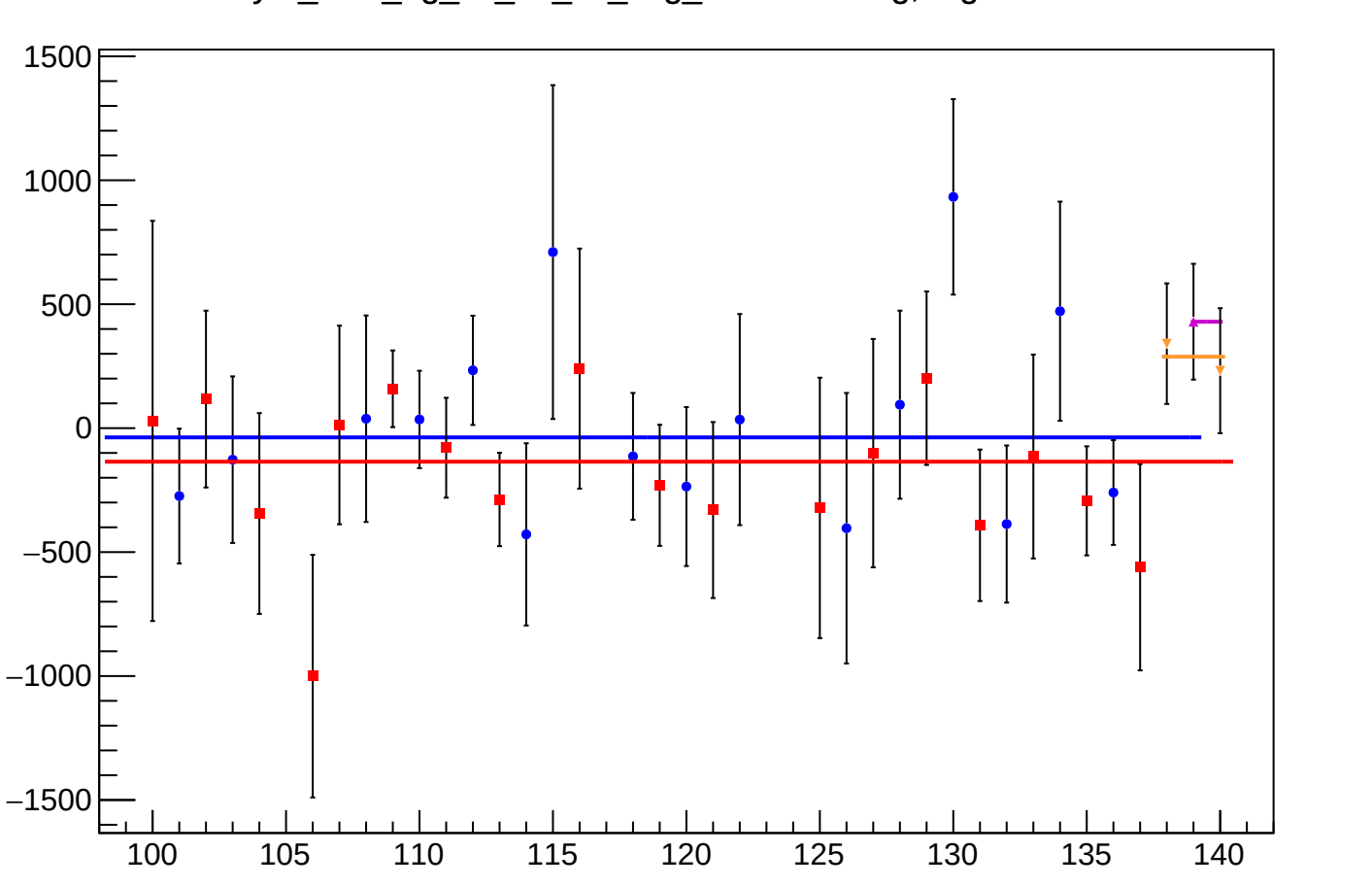
Left: 16.454+/-0.007 χ^2/NDF: 1421.1/2

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 17.354+/-0.004 χ^2/NDF:41651.9/16

Out: 17.312+/-0.004 χ^2/NDF:47689.5/19

All: 17.332+/-0.003 χ^2/NDF: 89390.7/36



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 288.285+/-175.109 χ^2/NDF:0.1/1

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 429.364+/-233.567 χ^2/NDF:0.0/0

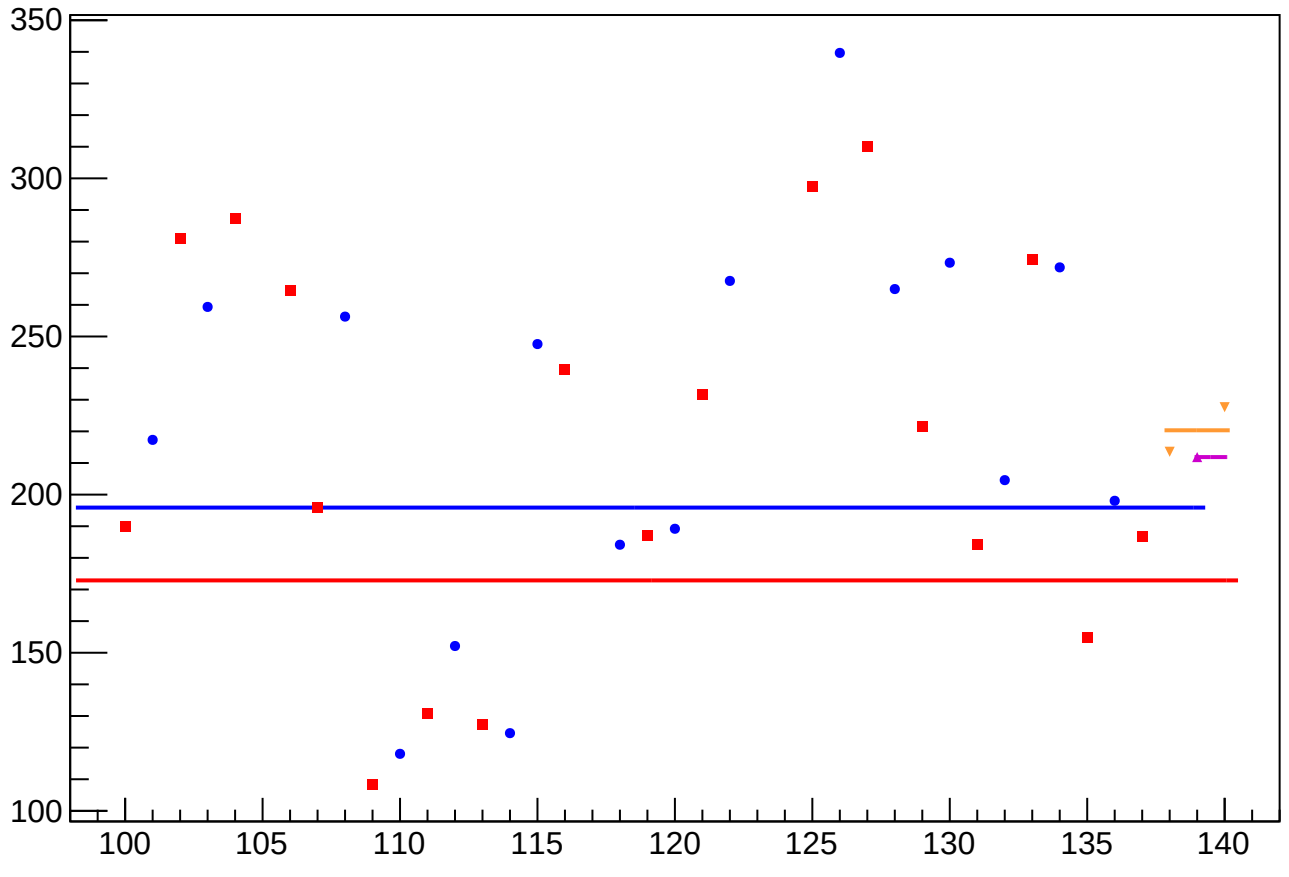
Left: 339.049+/-140.106 χ^2/NDF: 0.3/2

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 8.408+/-73.056 χ^2/NDF:19.2/16

Out: -78.127+/-64.323 χ^2/NDF:18.0/19

All: -40.339+/-48.277 χ^2/NDF: 38.0/36



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 220.339+/-0.124 χ^2/NDF:3231.3/1

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 211.870+/-0.165 χ^2/NDF:0.0/0

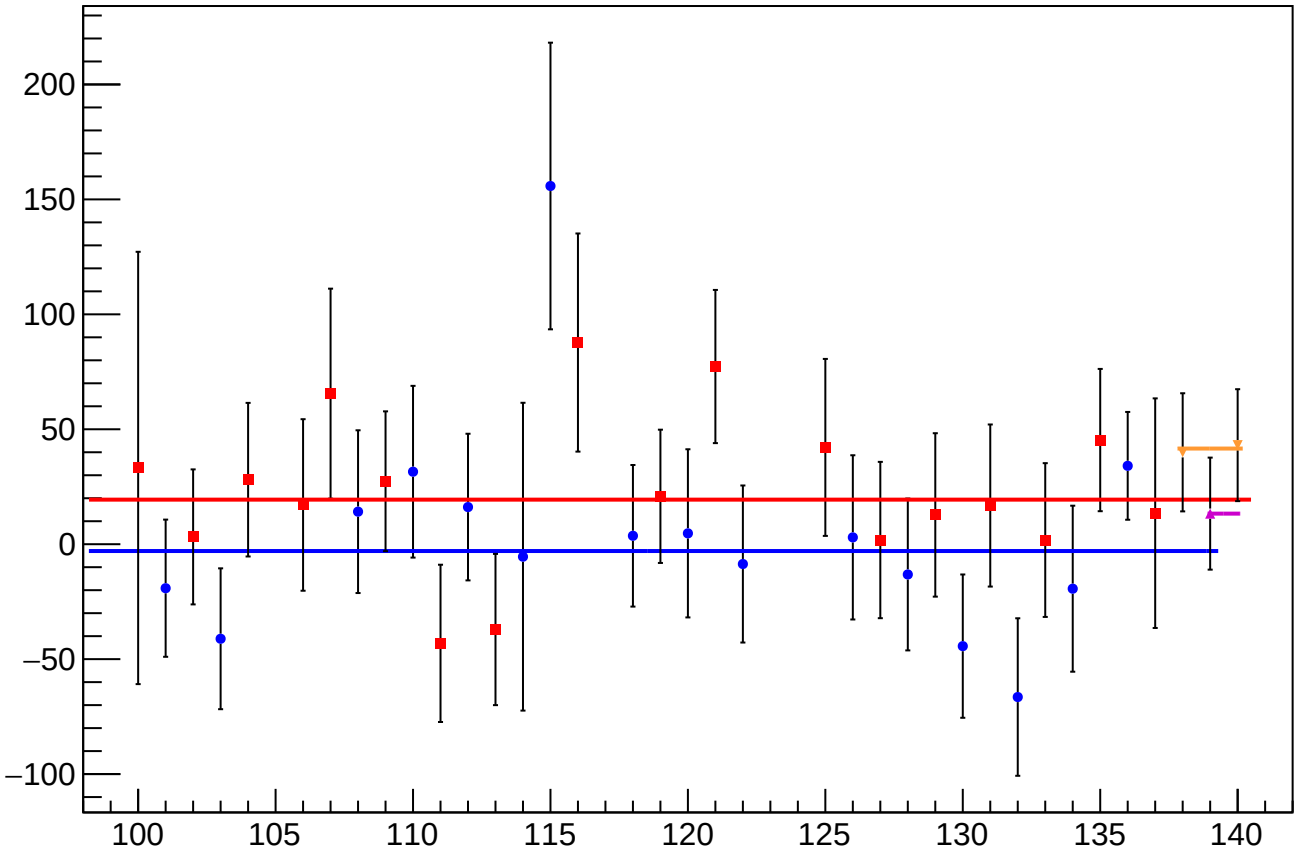
Left: 217.292+/-0.099 χ^2/NDF: 4914.3/2

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 197.462+/-0.052 χ^2/NDF:1019448.6/16

Out: 179.277+/-0.045 χ^2/NDF:1673612.2/19

All: 187.218+/-0.034 χ^2/NDF: 2762864.8/36



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 41.613+/-17.672 χ^2/NDF:0.0/1

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 13.302+/-24.367 χ^2/NDF:0.0/0

Left: 31.855+/-14.306 χ^2/NDF: 0.9/2

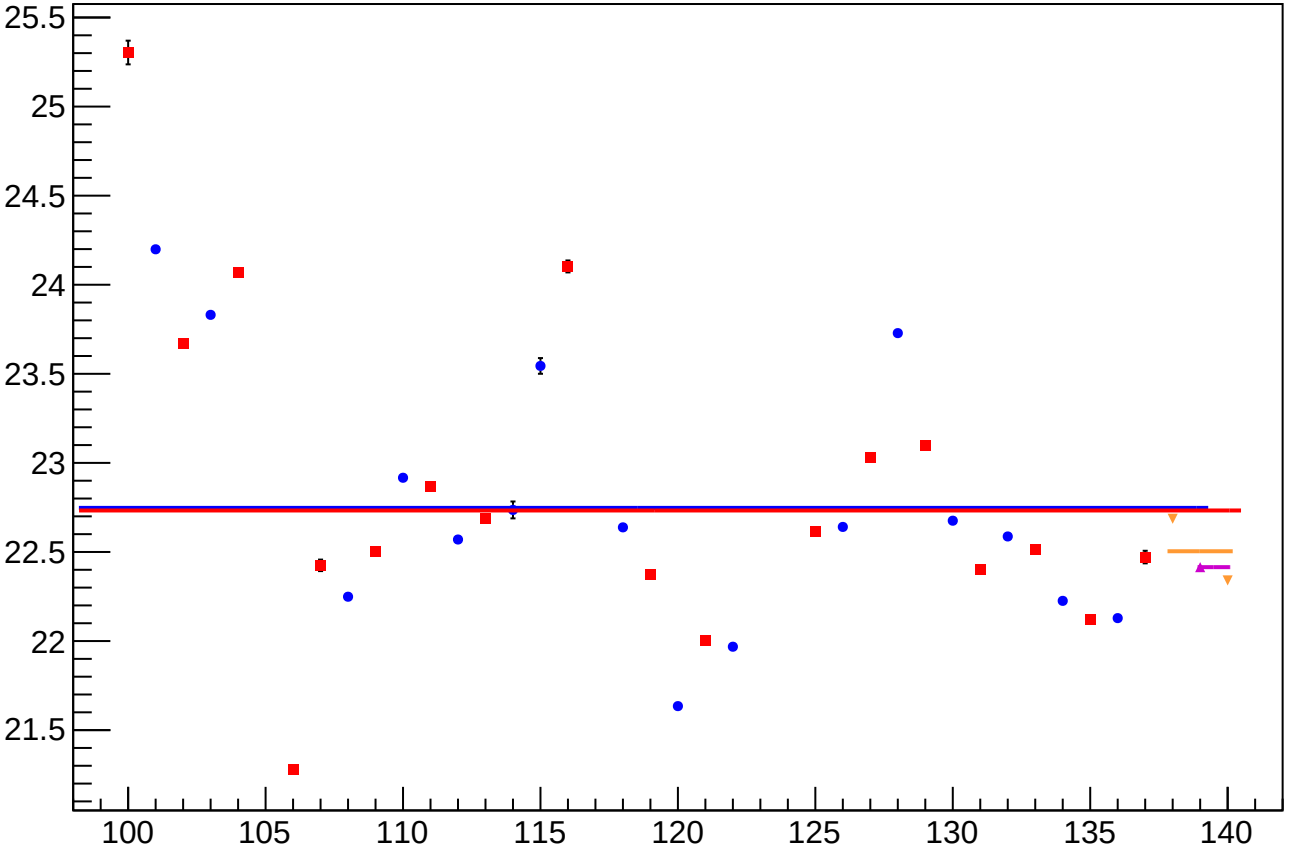
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: -1.219+/-7.987 χ^2/NDF:18.3/16

Out: 23.468+/-7.573 χ^2/NDF:15.8/19

All: 11.781+/-5.495 χ^2/NDF: 39.2/36

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: 22.504+/-0.012 χ^2/NDF:191.1/1

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.415+/-0.017 χ^2/NDF:0.0/0

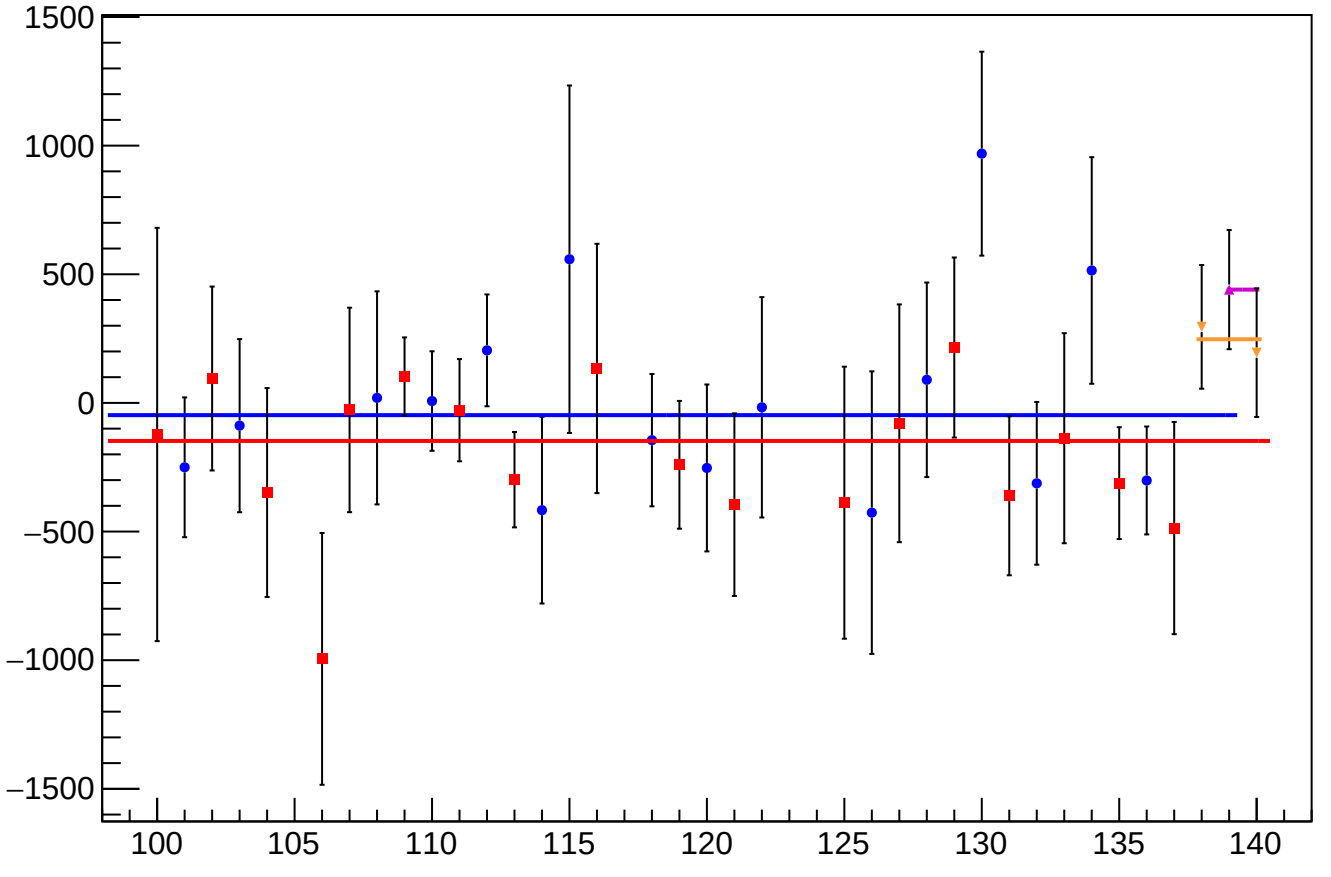
Left: 22.473+/-0.010 χ^2/NDF: 208.7/2

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.712+/-0.006 χ^2/NDF:14955.4/16

Out: 22.691+/-0.005 χ^2/NDF:14854.7/19

All: 22.701+/-0.004 χ^2/NDF: 29817.3/36



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 247.354+/-173.240 χ^2/NDF:0.1/1

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 440.358+/-231.609 χ^2/NDF:0.0/0

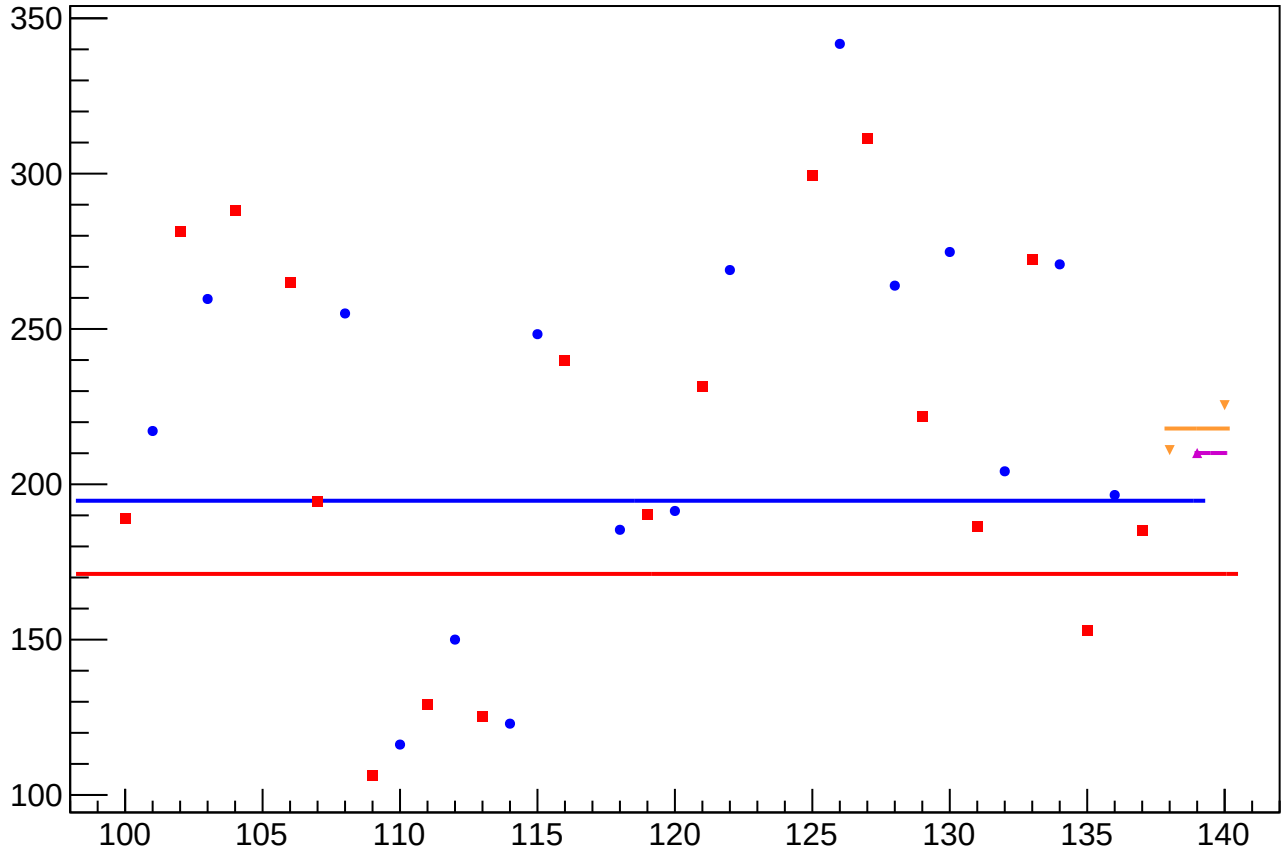
Left: 316.596+/-138.726 χ^2/NDF: 0.5/2

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 0.548+/-72.701 χ^2/NDF:19.4/16

Out: -94.167+/-63.829 χ^2/NDF:16.1/19

All: -52.938+/-47.966 χ^2/NDF: 36.5/36



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 217.955+/-0.122 χ^2/NDF:3480.8/1

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 210.071+/-0.164 χ^2/NDF:0.0/0

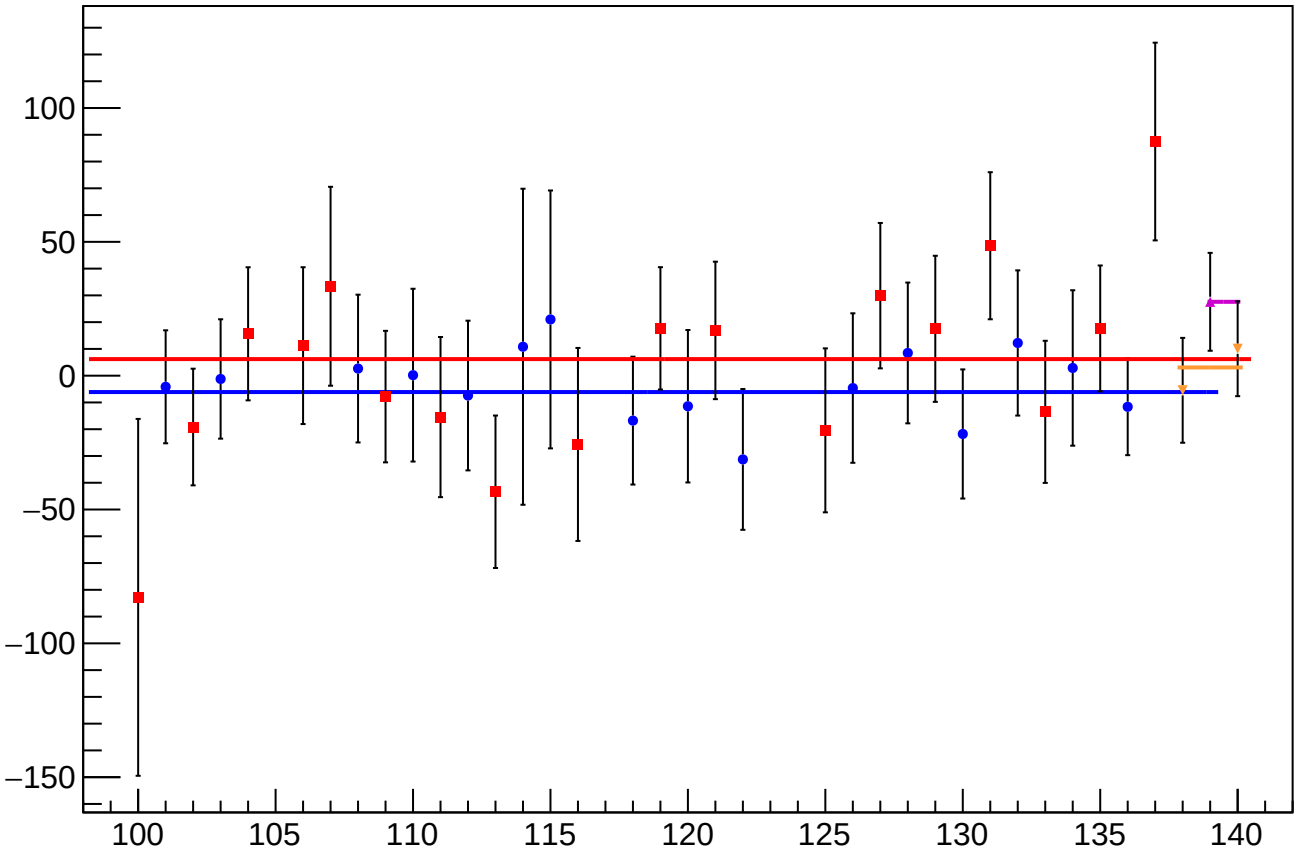
Left: 215.127+/-0.098 χ^2/NDF: 4967.1/2

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 196.222+/-0.051 χ^2/NDF:1060221.4/16

Out: 177.509+/-0.045 χ^2/NDF:1741555.3/19

All: 185.655+/-0.034 χ^2/NDF: 2876597.8/36



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 3.074+/-13.139 χ^2/NDF:0.3/1

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 27.594+/-18.288 χ^2/NDF:0.0/0

Left: 11.422+/-10.670 χ^2/NDF: 1.5/2

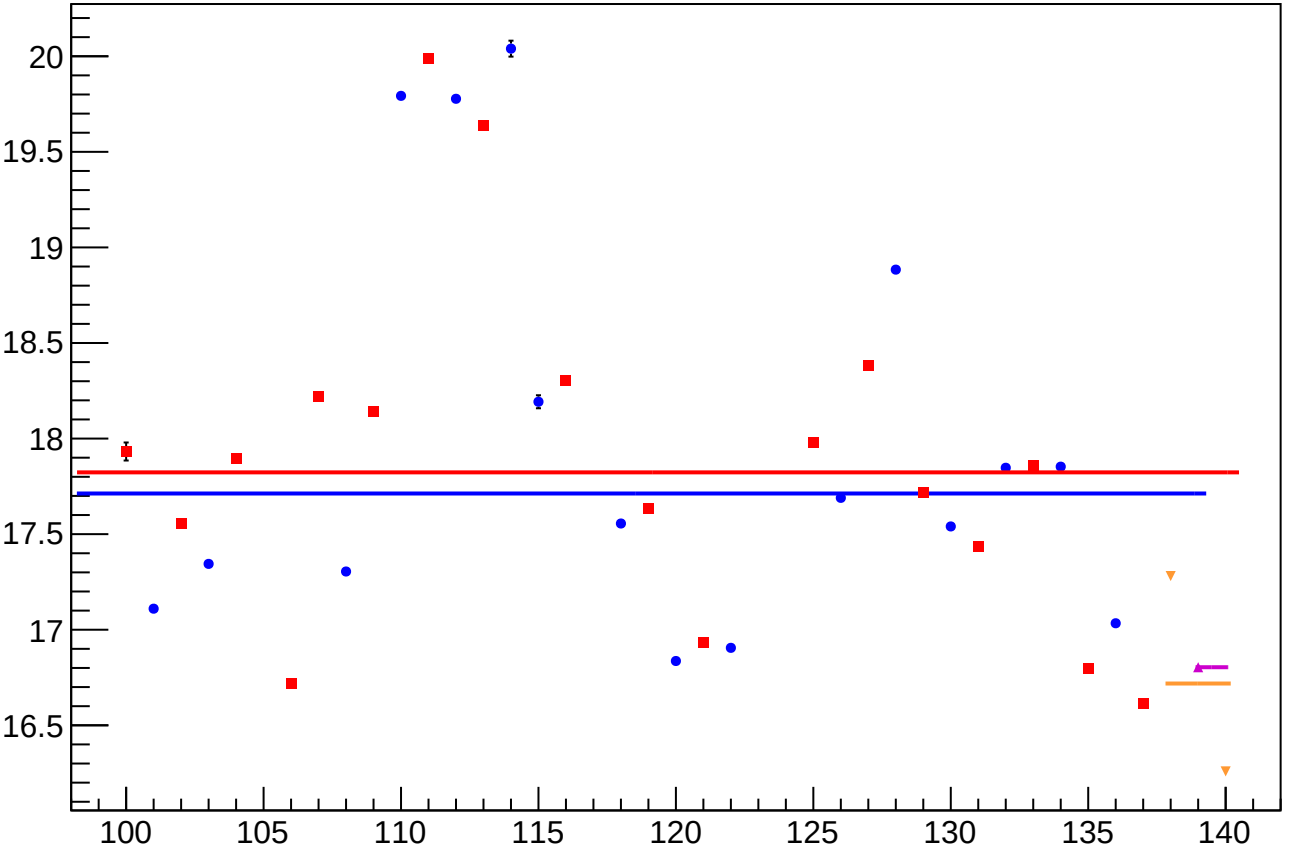
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -2.242+/-6.202 χ^2/NDF:6.1/16

Out: 5.569+/-5.884 χ^2/NDF:19.0/19

All: 1.869+/-4.268 χ^2/NDF: 26.0/36

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.719+/-0.009 χ^2/NDF:2994.4/1

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.804+/-0.013 χ^2/NDF:0.0/0

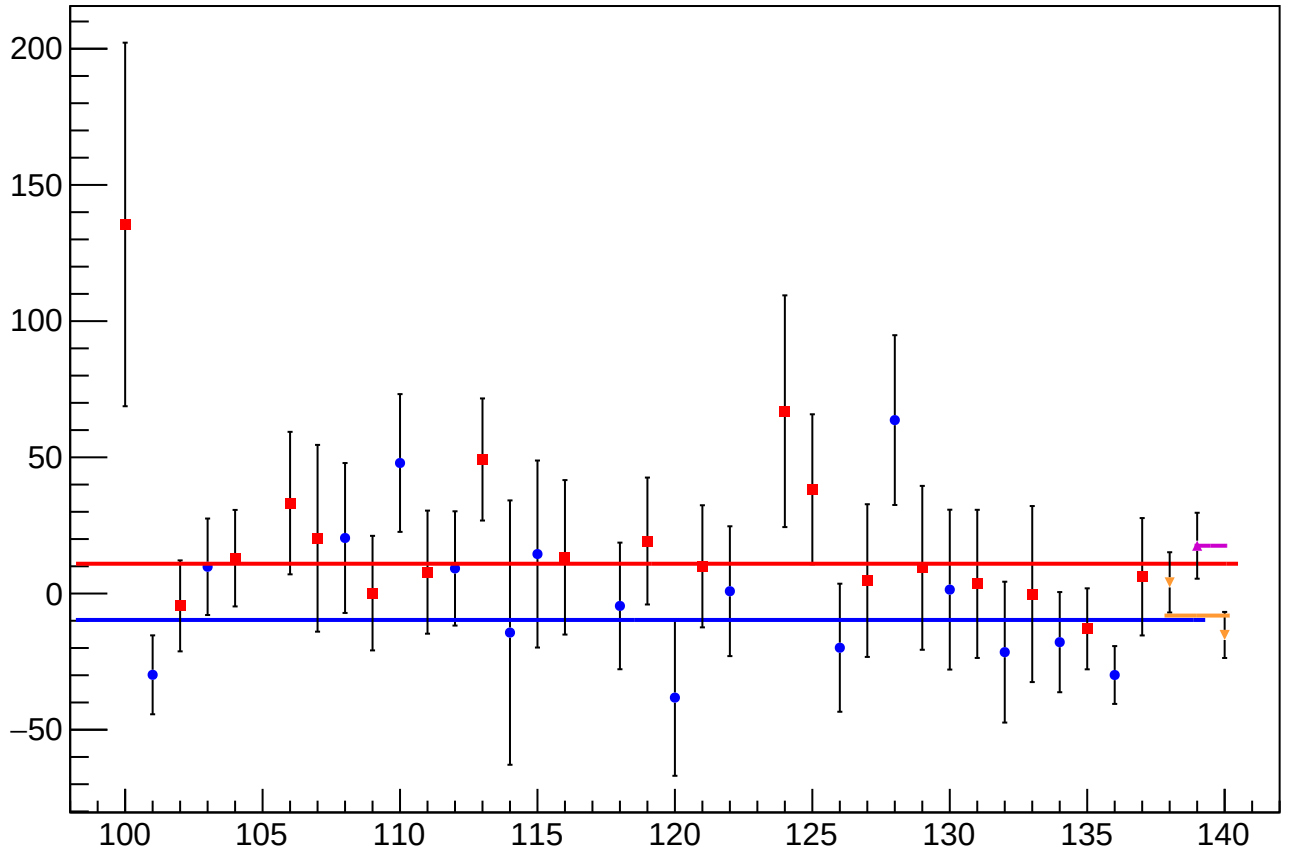
Left: 16.748+/-0.008 χ^2/NDF: 3023.1/2

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.608+/-0.004 χ^2/NDF:40354.9/16

Out: 17.602+/-0.004 χ^2/NDF:46799.5/19

All: 17.605+/-0.003 χ^2/NDF: 87155.5/36



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -8.093+/-6.718 χ^2/NDF:1.9/1

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 17.546+/-12.103 χ^2/NDF:0.0/0

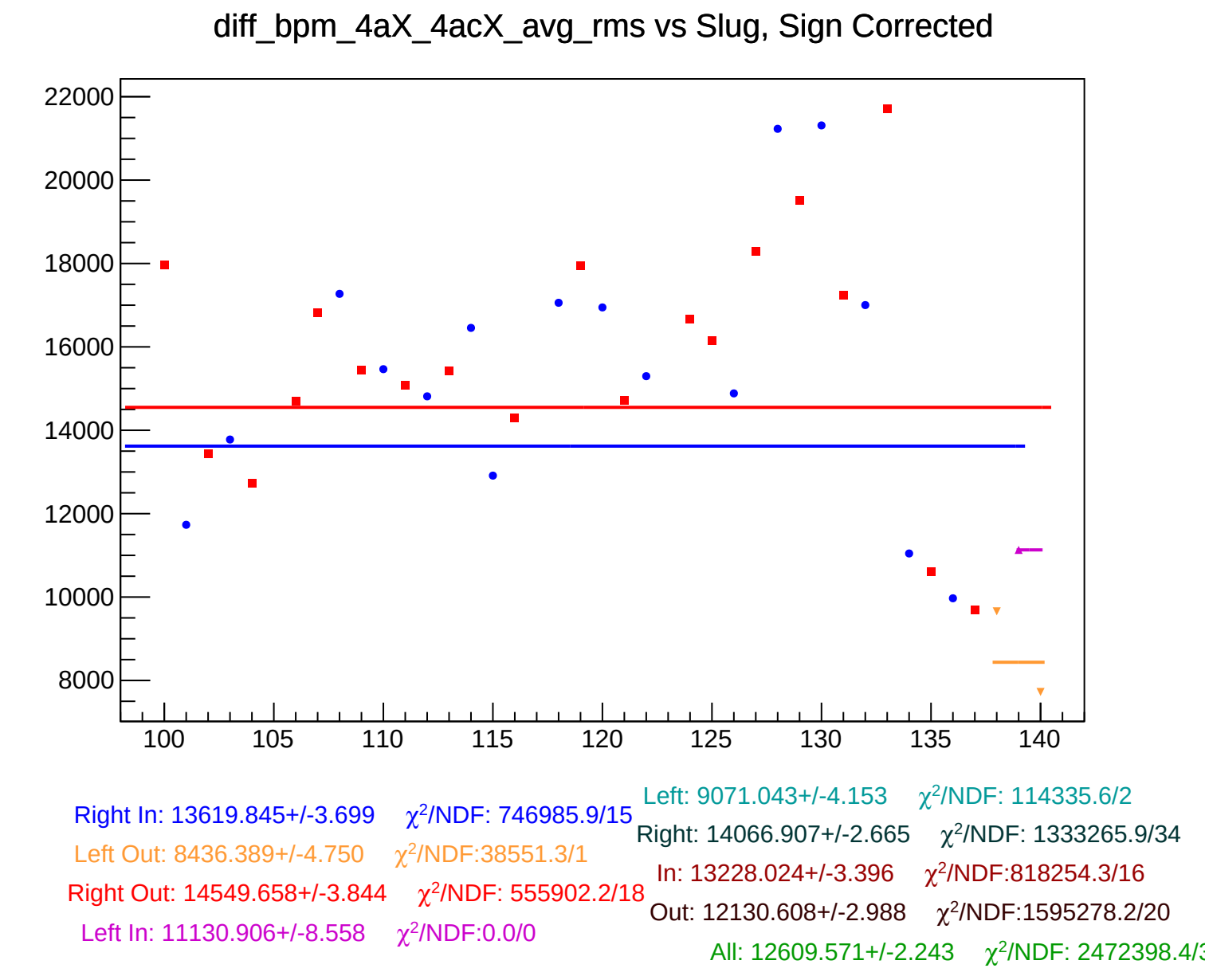
Left: -2.054+/-5.874 χ^2/NDF: 5.4/2

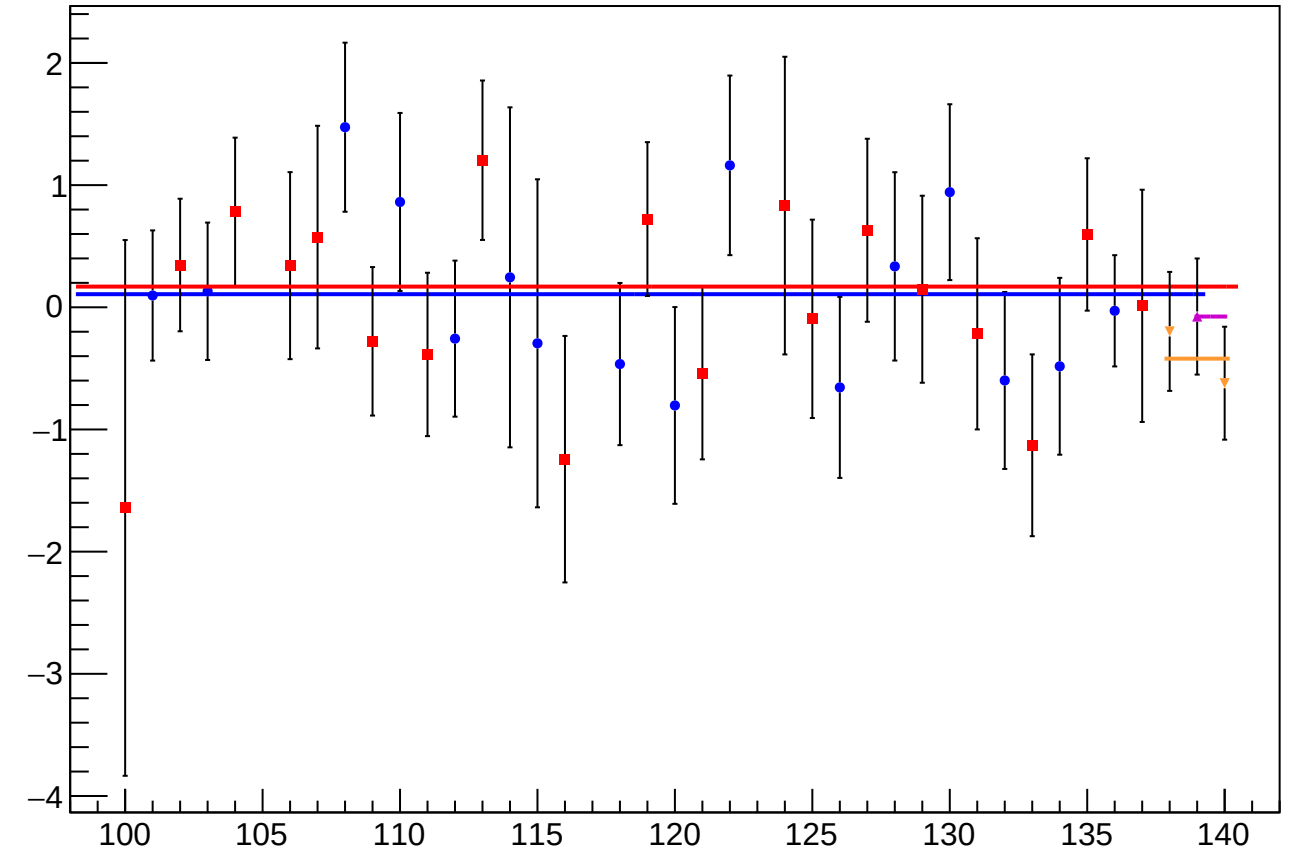
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -5.412+/-4.802 χ^2/NDF:26.3/16

Out: 3.408+/-4.226 χ^2/NDF:20.9/20

All: -0.442+/-3.172 χ^2/NDF: 49.0/37


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
Right In: 13619.845+/-3.699 χ²/NDF: 746985.9/15
Left Out: 8436.389+/-4.750 χ²/NDF:38551.3/1
Right Out: 14549.658+/-3.844 χ²/NDF: 555902.2/18
Left In: 11130.906+/-8.558 χ²/NDF:0.0/0
Left: 9071.043+/-4.153 χ²/NDF: 114335.6/2
Right: 14066.907+/-2.665 χ²/NDF: 1333265.9/34
In: 13228.024+/-3.396 χ²/NDF:818254.3/16
Out: 12130.608+/-2.988 χ²/NDF:1595278.2/20
All: 12609.571+/-2.243 χ²/NDF: 2472398.4/3



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.420+/-0.335 χ^2/NDF:0.4/1

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: -0.076+/-0.475 χ^2/NDF:0.0/0

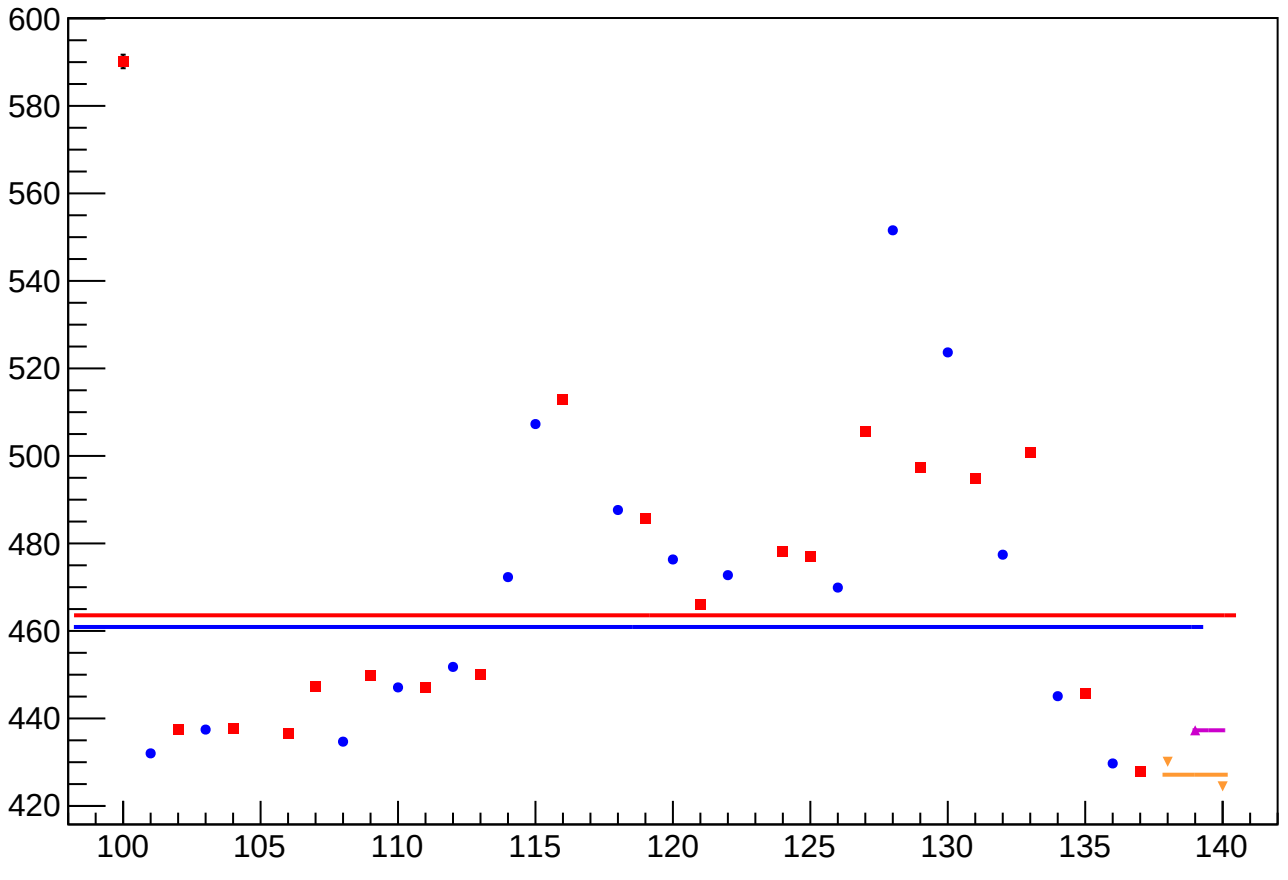
Left: -0.306+/-0.274 χ^2/NDF: 0.7/2

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.086+/-0.161 χ^2/NDF:13.8/16

Out: 0.049+/-0.151 χ^2/NDF:17.0/20

All: 0.067+/-0.110 χ^2/NDF: 30.8/37



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 427.143+/-0.237 χ^2/NDF:140.2/1

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 437.296+/-0.336 χ^2/NDF:0.0/0

Left: 430.516+/-0.194 χ^2/NDF: 749.7/2

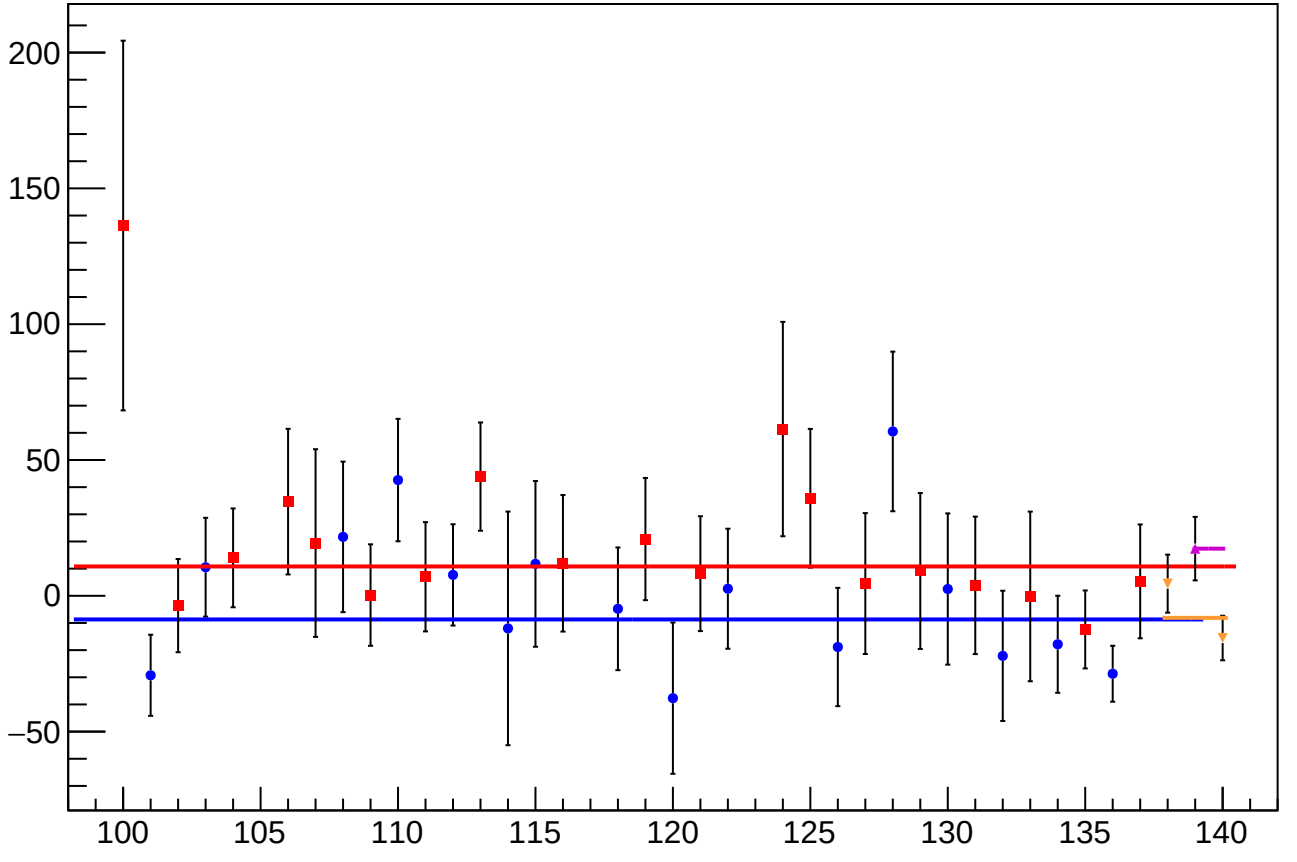
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 458.180+/-0.114 χ^2/NDF:79296.1/16

Out: 456.160+/-0.107 χ^2/NDF:71128.7/20

All: 457.104+/-0.078 χ^2/NDF: 150591.5/37

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -8.120+/-6.508 χ^2/NDF:2.2/1

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 17.362+/-11.693 χ^2/NDF:0.0/0

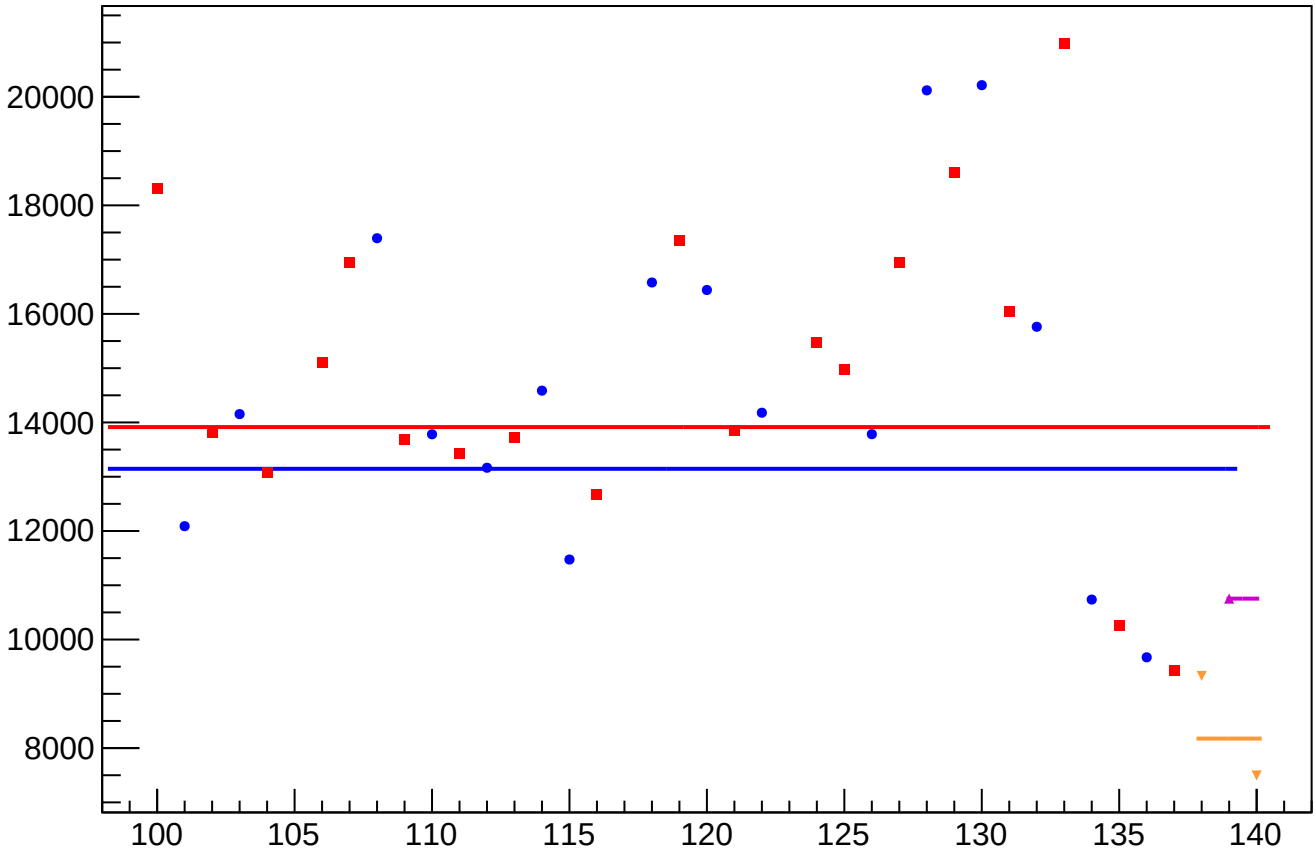
Left: -2.093+/-5.687 χ^2/NDF: 5.8/2

Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -4.629+/-4.625 χ^2/NDF:26.5/16

Out: 3.447+/-4.058 χ^2/NDF:21.2/20

All: -0.066+/-3.051 χ^2/NDF: 49.4/37



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8175.233+/-4.602 χ^2/NDF:37043.8/1

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 10753.851+/-8.268 χ^2/NDF:0.0/0

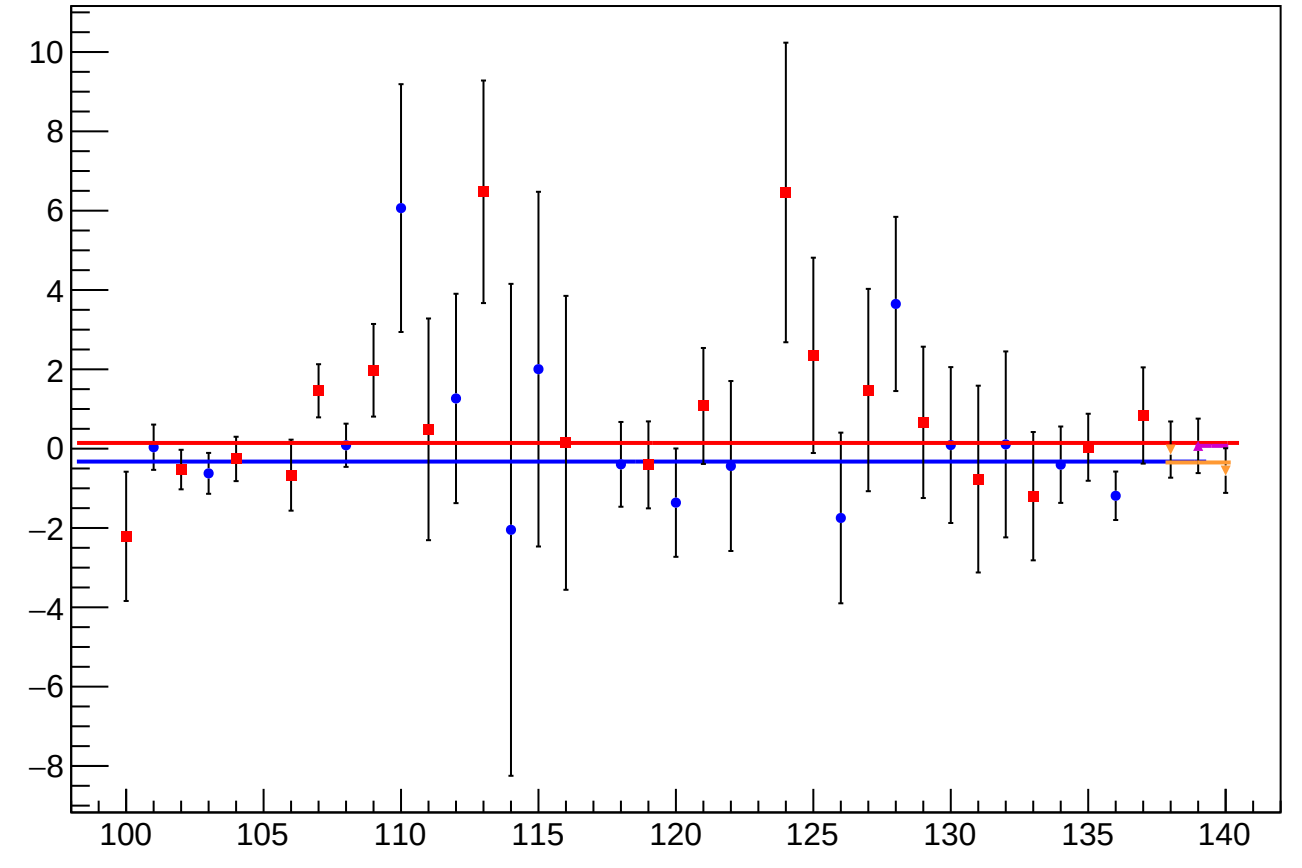
Left: 8785.114+/-4.021 χ^2/NDF: 111306.3/2

Right: 13518.600+/-2.556 χ^2/NDF: 1216225.3/34

In: 12771.604+/-3.270 χ^2/NDF:753223.3/16

Out: 11682.739+/-2.870 χ^2/NDF:1498676.8/20

All: 12156.420+/-2.157 χ^2/NDF: 2314529.0/3



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.348+/-0.441 χ^2/NDF:0.3/1

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.070+/-0.687 χ^2/NDF:0.0/0

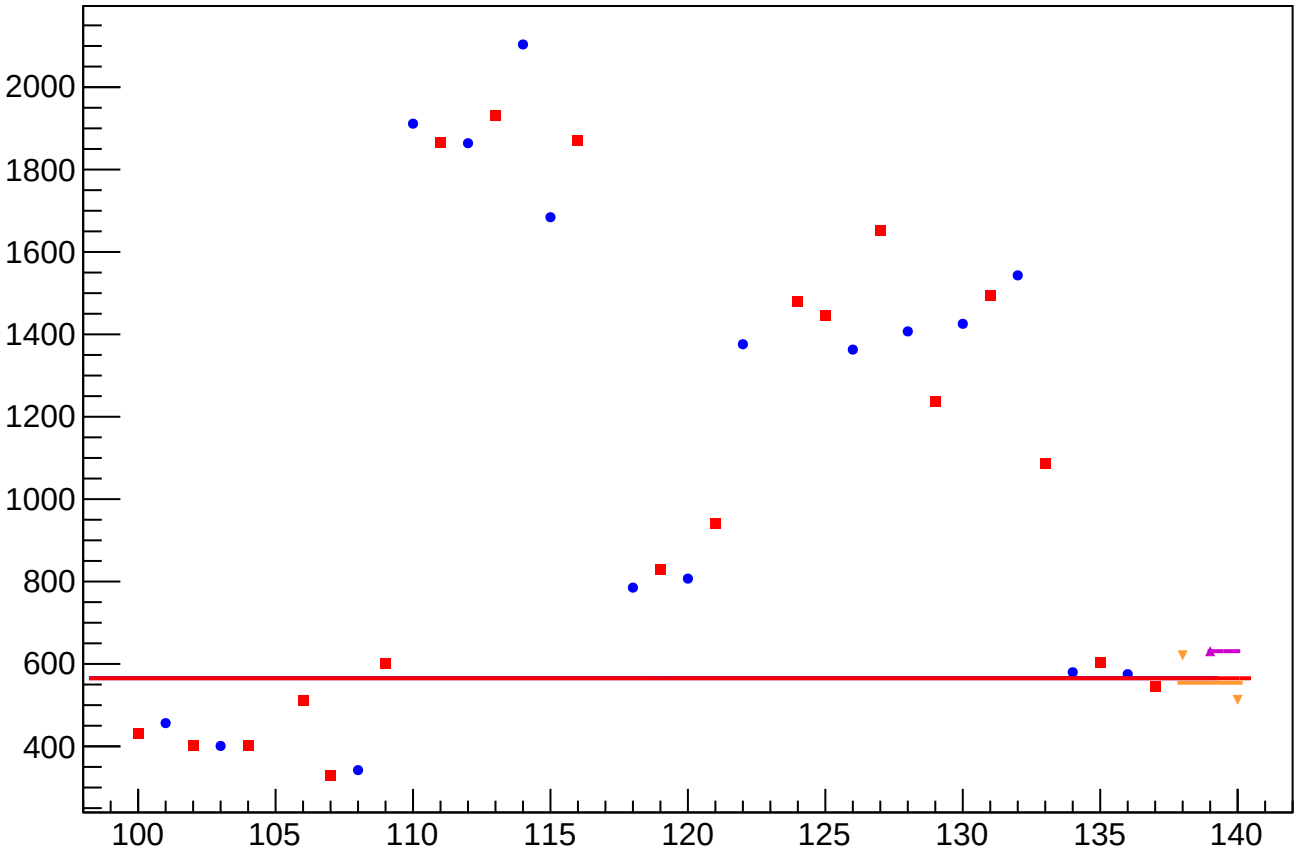
Left: -0.226+/-0.371 χ^2/NDF: 0.6/2

Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.281+/-0.230 χ^2/NDF:12.9/16

Out: 0.028+/-0.214 χ^2/NDF:23.8/20

All: -0.115+/-0.157 χ^2/NDF: 37.6/37



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 554.402+/-0.312 χ^2/NDF:28548.5/1

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 630.982+/-0.486 χ^2/NDF:0.0/0

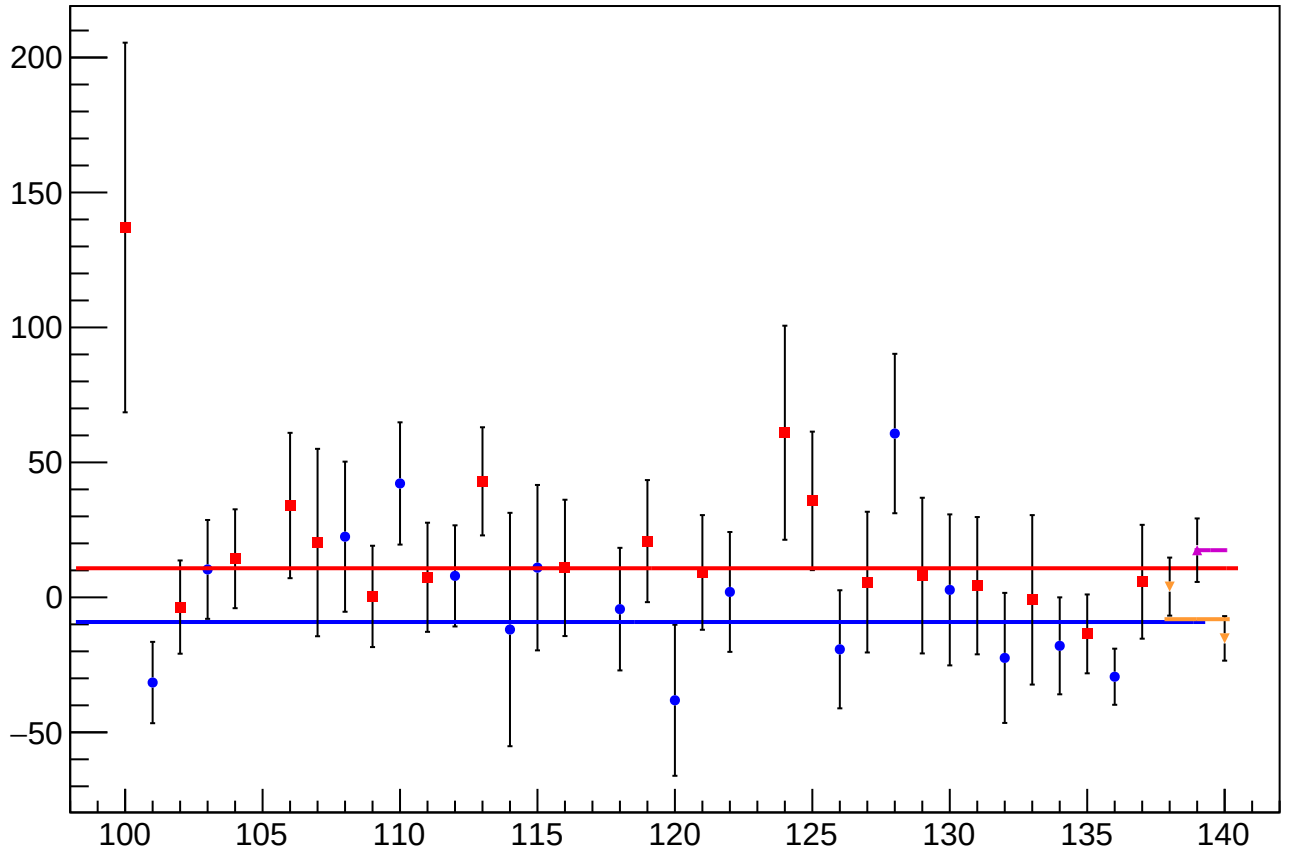
Left: 576.729+/-0.262 χ^2/NDF: 46166.2/2

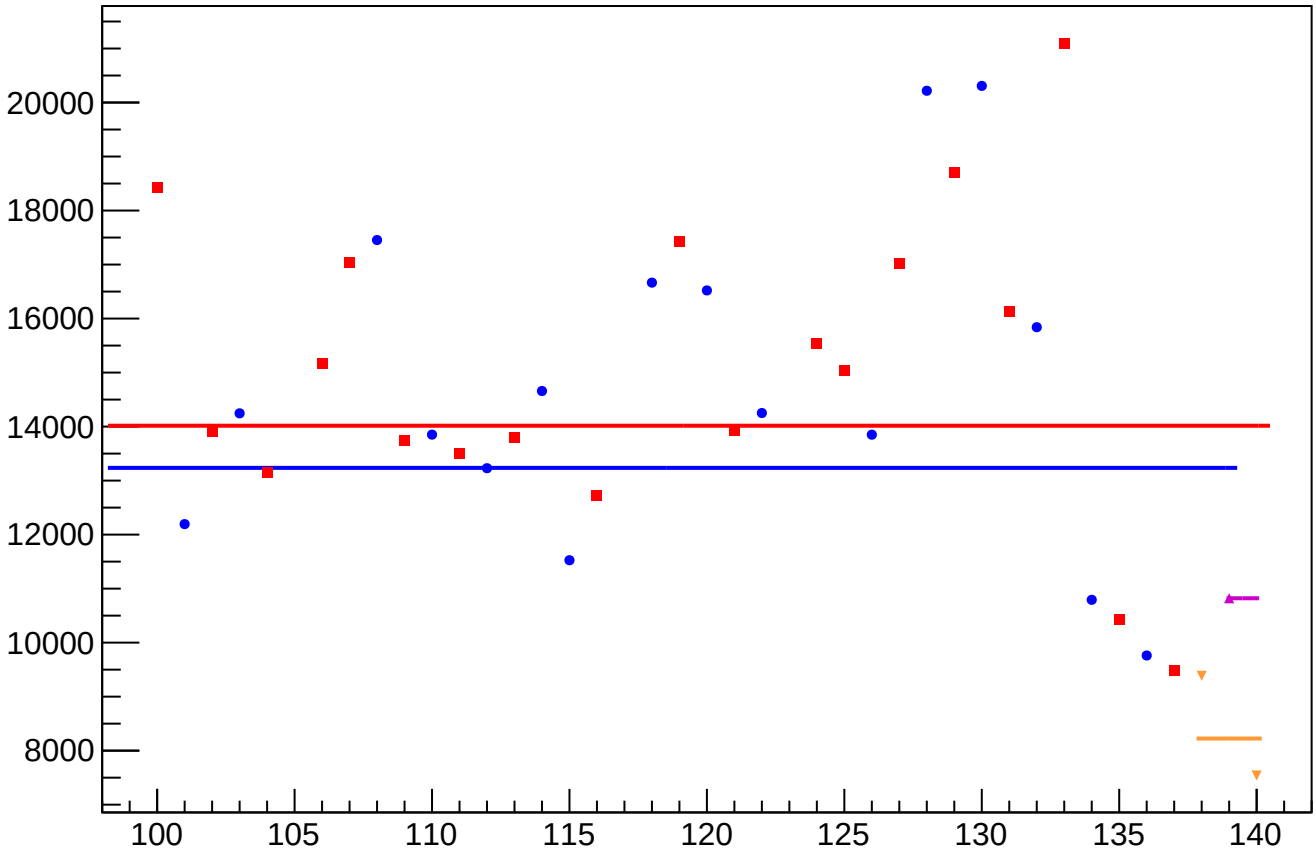
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 572.873+/-0.163 χ^2/NDF:3466661.5/16

Out: 562.677+/-0.151 χ^2/NDF:3601091.8/20

All: 567.401+/-0.111 χ^2/NDF: 7069862.6/37


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
105
110
115
120
125
130
135
140
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -8.086+/-6.547 χ²/NDF:2.0/1
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 17.476+/-11.766 χ²/NDF:0.0/0
Left: -2.042+/-5.721 χ²/NDF: 5.6/2
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -4.965+/-4.656 χ²/NDF:27.1/16
Out: 3.440+/-4.085 χ²/NDF:20.8/20
All: -0.216+/-3.071 χ²/NDF: 49.7/37



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8224.453+/-4.630 χ^2/NDF:37071.2/1

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

Left In: 10821.500+/-8.320 χ^2/NDF:0.0/0

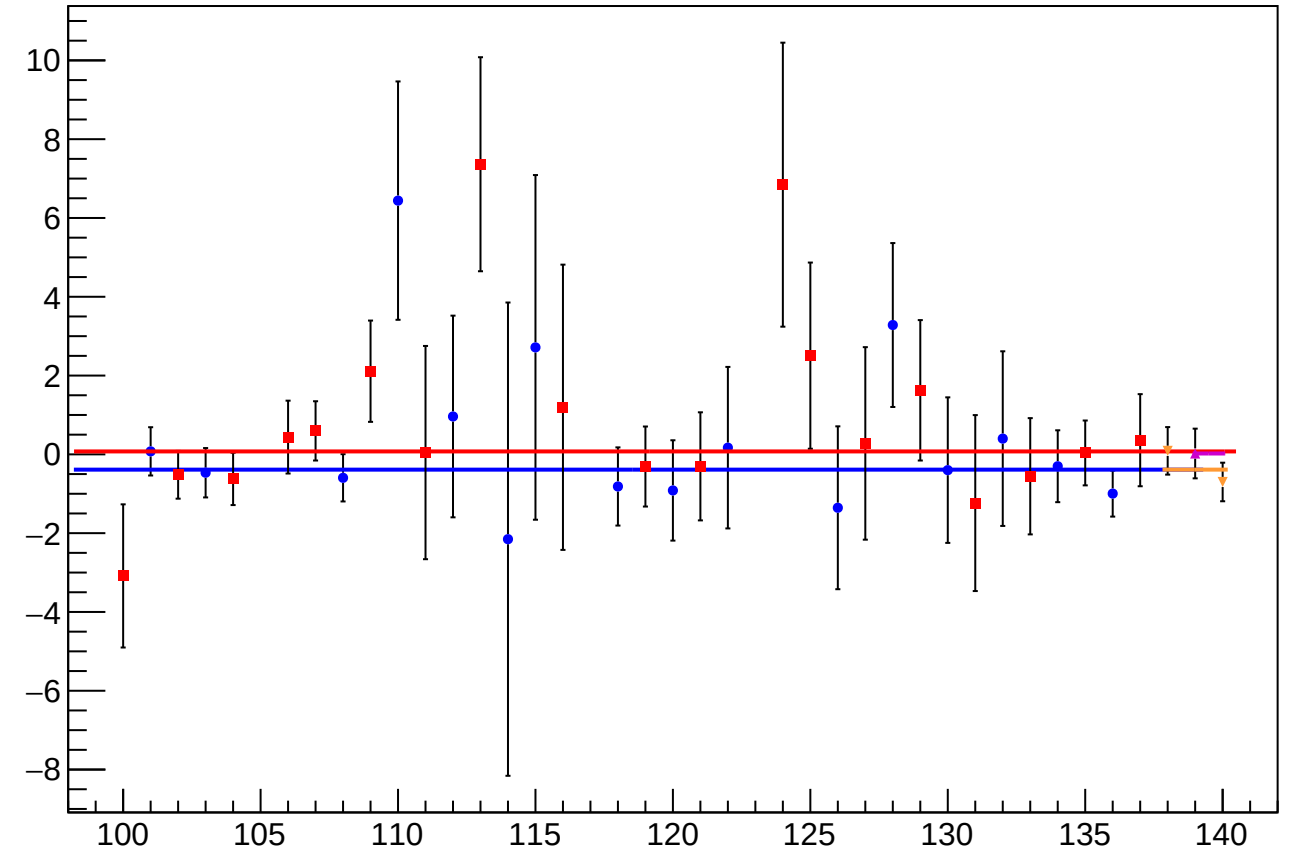
Left: 8838.454+/-4.045 χ^2/NDF: 111469.0/2

Right: 13613.950+/-2.573 χ^2/NDF: 1195440.4/34

In: 12857.856+/-3.292 χ^2/NDF:744909.8/16

Out: 11761.375+/-2.889 χ^2/NDF:1491391.0/20

All: 12238.354+/-2.171 χ^2/NDF: 2298980.6/3



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.387+/-0.380 χ^2/NDF:1.0/1

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.022+/-0.631 χ^2/NDF:0.0/0

Left: -0.278+/-0.326 χ^2/NDF: 1.3/2

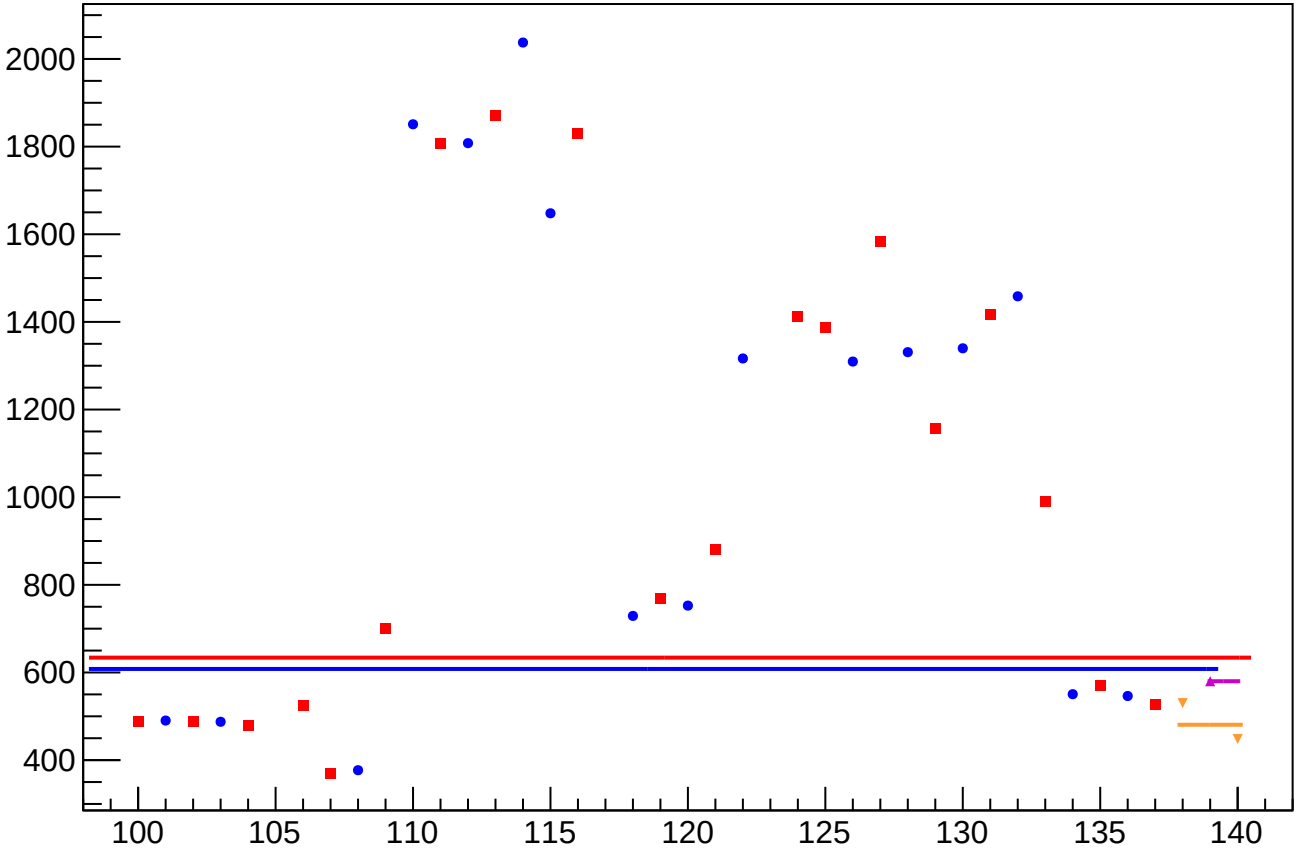
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.330+/-0.237 χ^2/NDF:12.0/16

Out: -0.076+/-0.217 χ^2/NDF:23.7/20

All: -0.192+/-0.160 χ^2/NDF: 36.4/37

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 480.713+/-0.269 χ^2/NDF:22220.0/1

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 580.063+/-0.446 χ^2/NDF:0.0/0

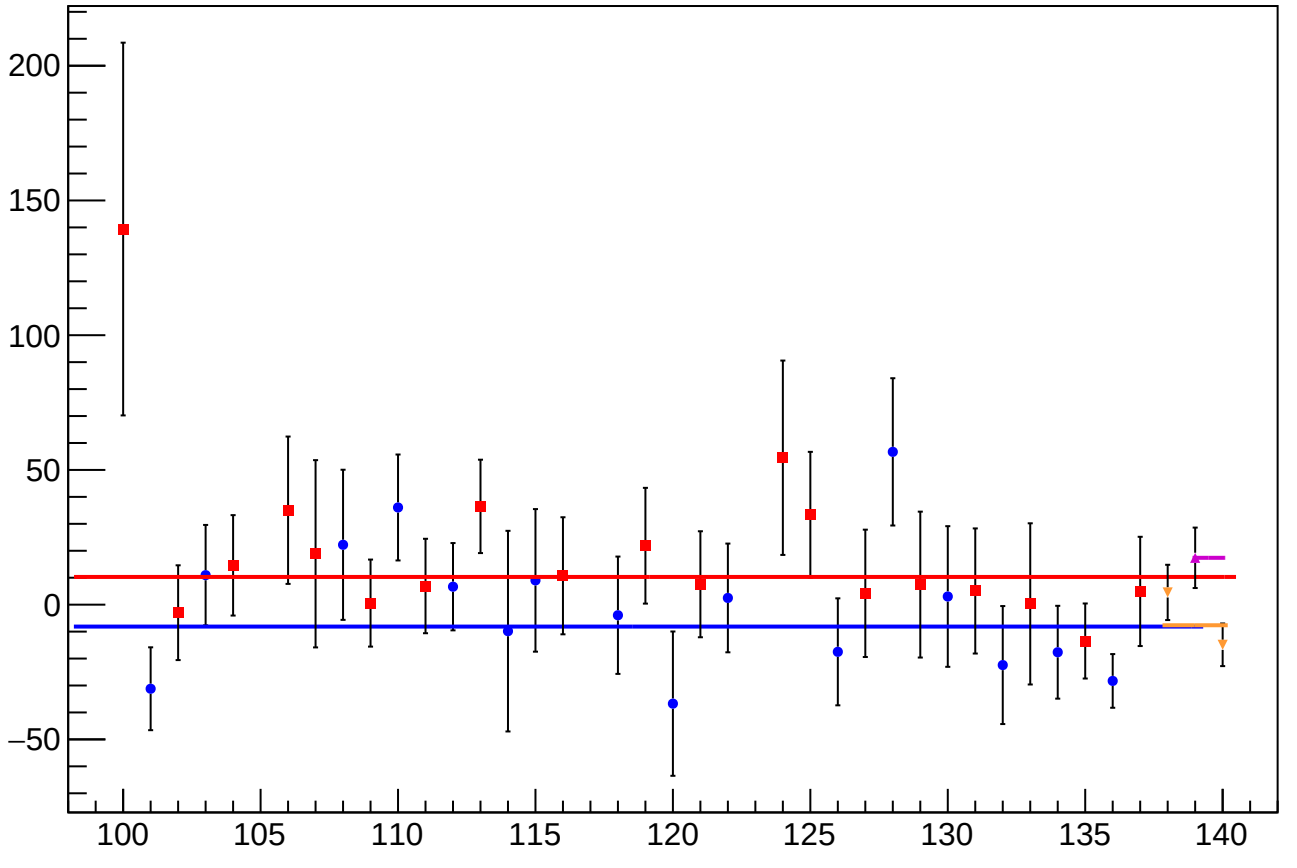
Left: 507.193+/-0.230 χ^2/NDF: 58628.8/2

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 604.109+/-0.168 χ^2/NDF:2856108.3/16

Out: 583.915+/-0.154 χ^2/NDF:3029434.5/20

All: 593.131+/-0.113 χ^2/NDF: 5893438.9/37



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -7.640+/-6.264 χ^2/NDF:2.3/1

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 17.387+/-11.215 χ^2/NDF:0.0/0

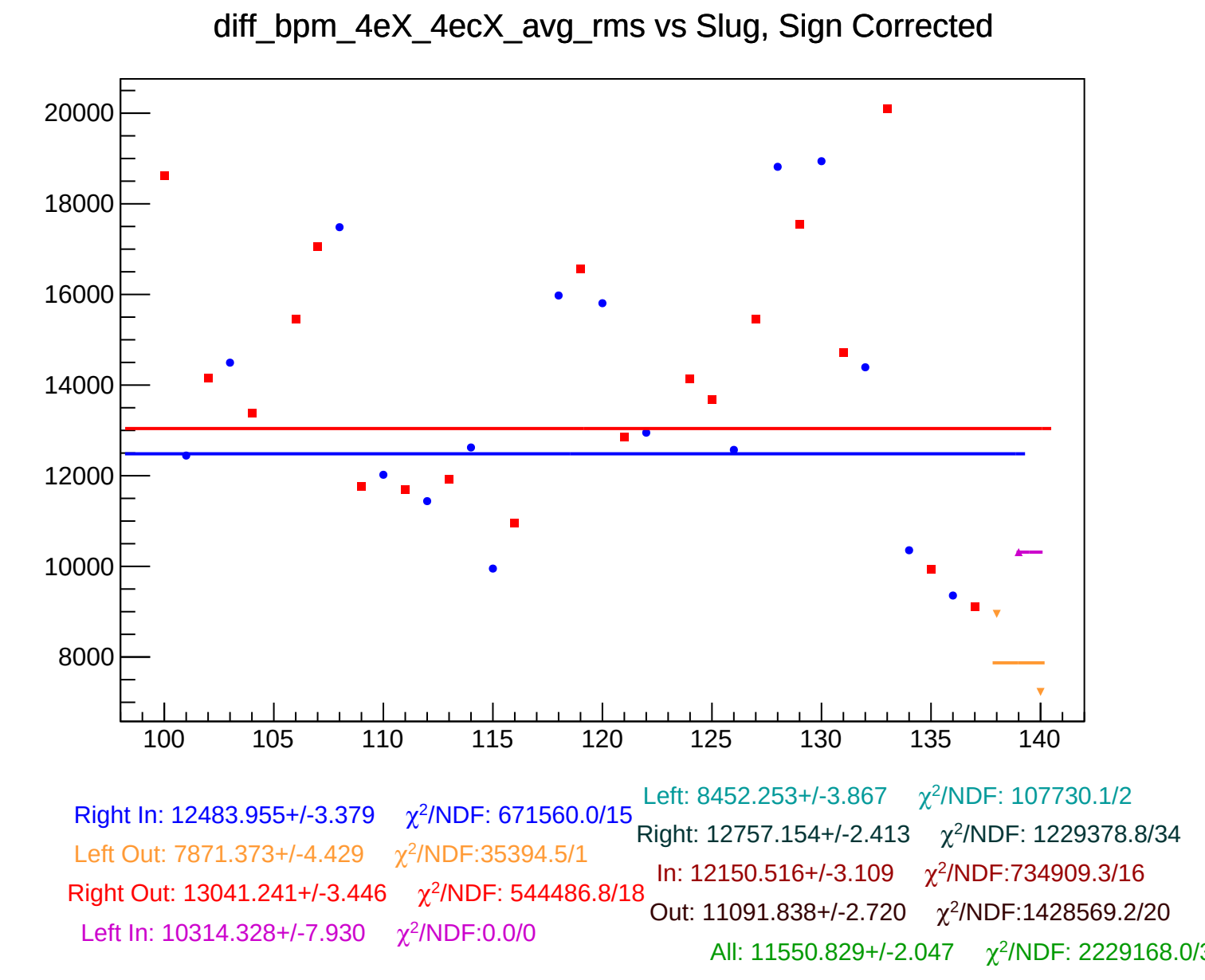
Left: -1.690+/-5.469 χ^2/NDF: 6.0/2

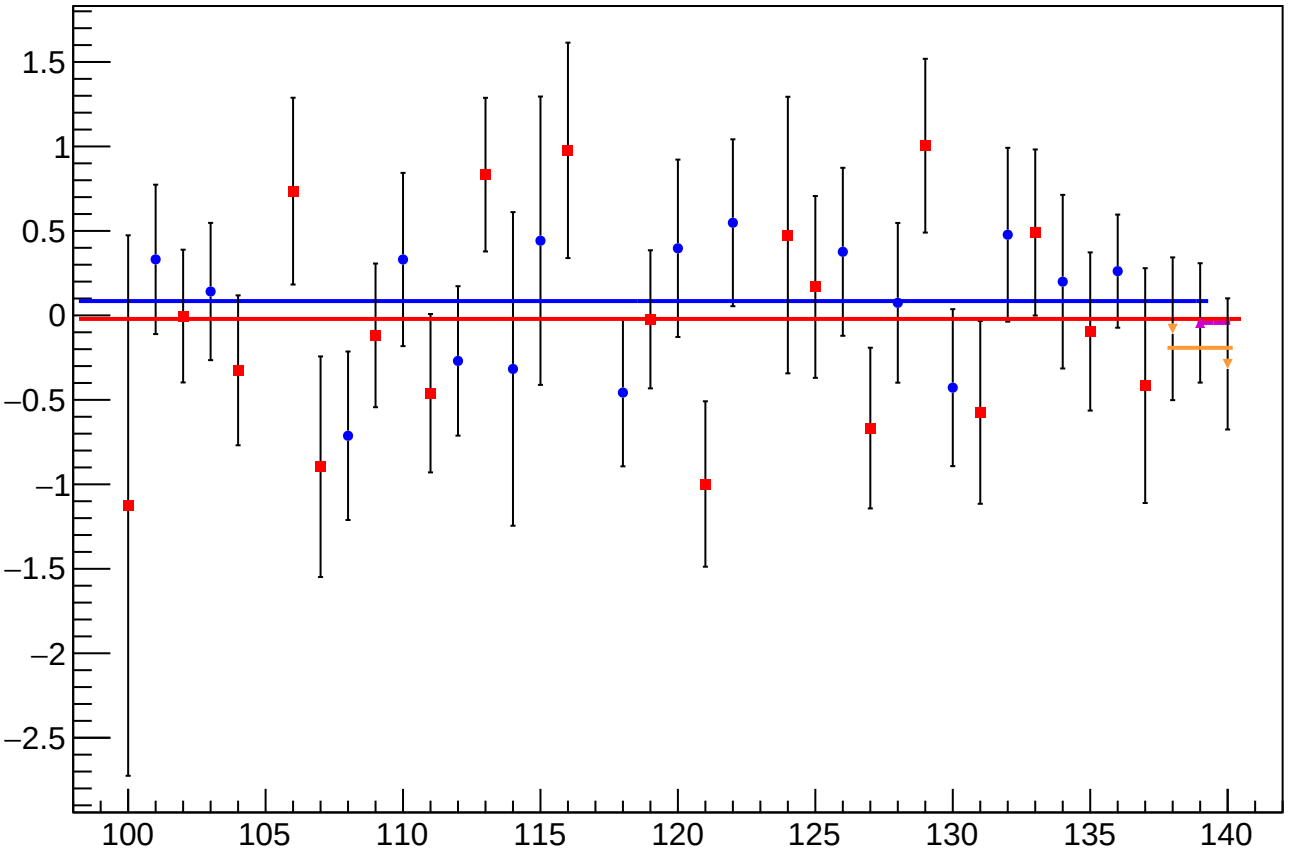
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -4.210+/-4.397 χ^2/NDF:27.5/16

Out: 3.528+/-3.846 χ^2/NDF:21.0/20

All: 0.173+/-2.895 χ^2/NDF: 50.3/37


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 7871.373+/-4.429 χ²/NDF:35394.5/1
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 10314.328+/-7.930 χ²/NDF:0.0/0
Left: 8452.253+/-3.867 χ²/NDF: 107730.1/2
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 12150.516+/-3.109 χ²/NDF:734909.3/16
Out: 11091.838+/-2.720 χ²/NDF:1428569.2/20
All: 11550.829+/-2.047 χ²/NDF: 2229168.0/3



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: -0.192+/-0.286 χ^2/NDF:0.1/1

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.045+/-0.353 χ^2/NDF:0.0/0

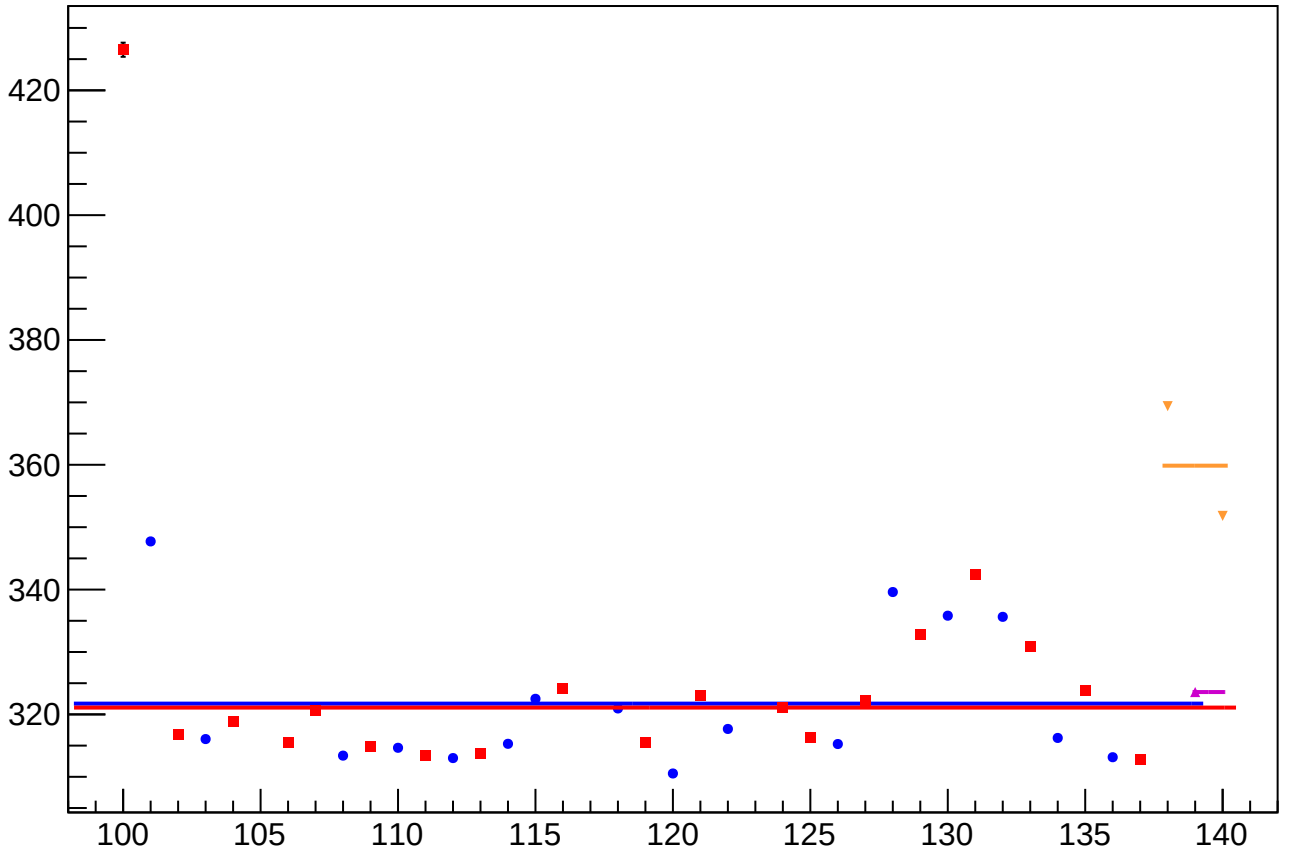
Left: -0.134+/-0.222 χ^2/NDF: 0.2/2

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.071+/-0.114 χ^2/NDF:9.5/16

Out: -0.046+/-0.109 χ^2/NDF:24.7/20

All: 0.010+/-0.079 χ^2/NDF: 34.8/37



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 359.857+/-0.202 χ^2/NDF:1877.9/1

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 323.583+/-0.250 χ^2/NDF:0.0/0

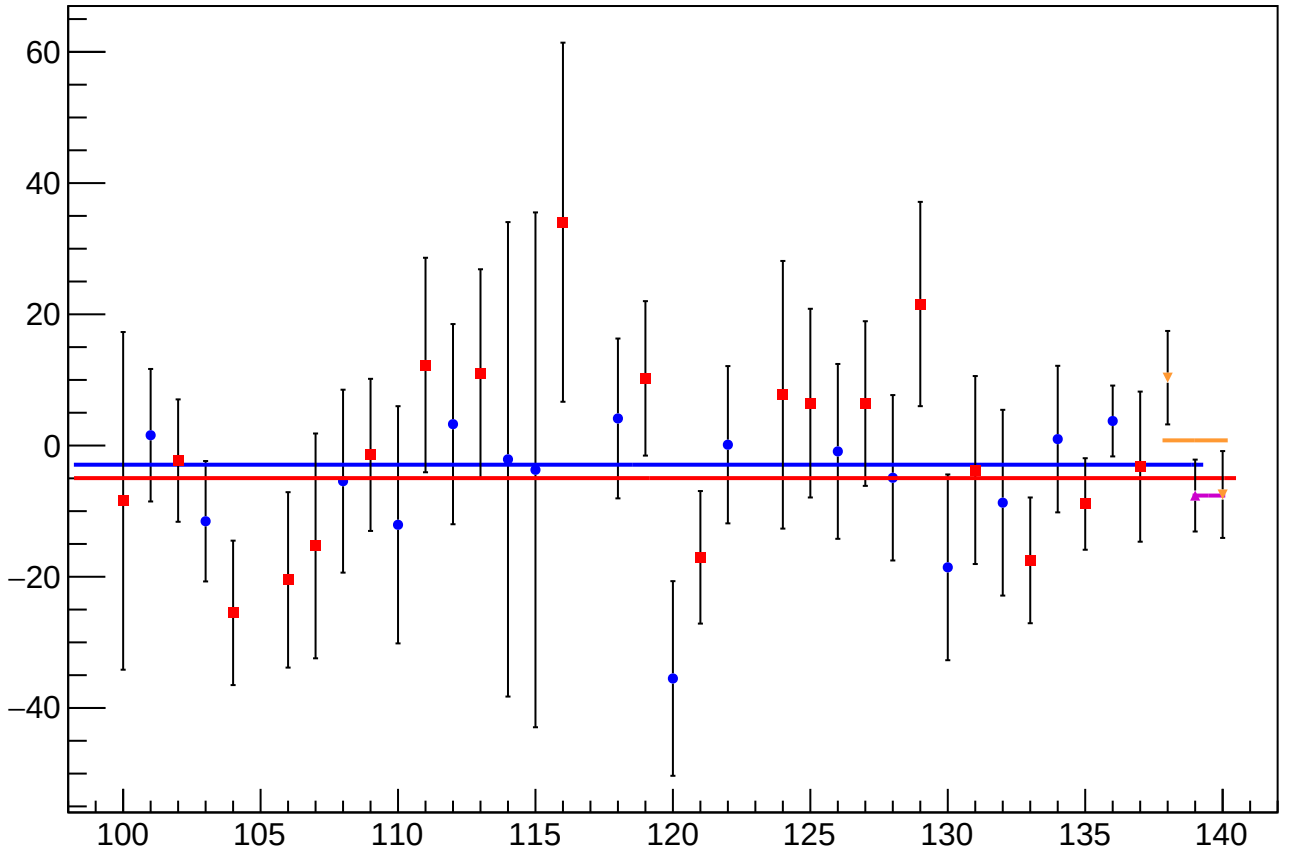
Left: 345.506+/-0.157 χ^2/NDF: 14621.2/2

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 321.920+/-0.080 χ^2/NDF:18264.1/16

Out: 326.696+/-0.077 χ^2/NDF:49924.5/20

All: 324.417+/-0.056 χ^2/NDF: 70031.8/37



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 0.788+/-4.849 χ^2/NDF:3.4/1

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -7.625+/-5.479 χ^2/NDF:0.0/0

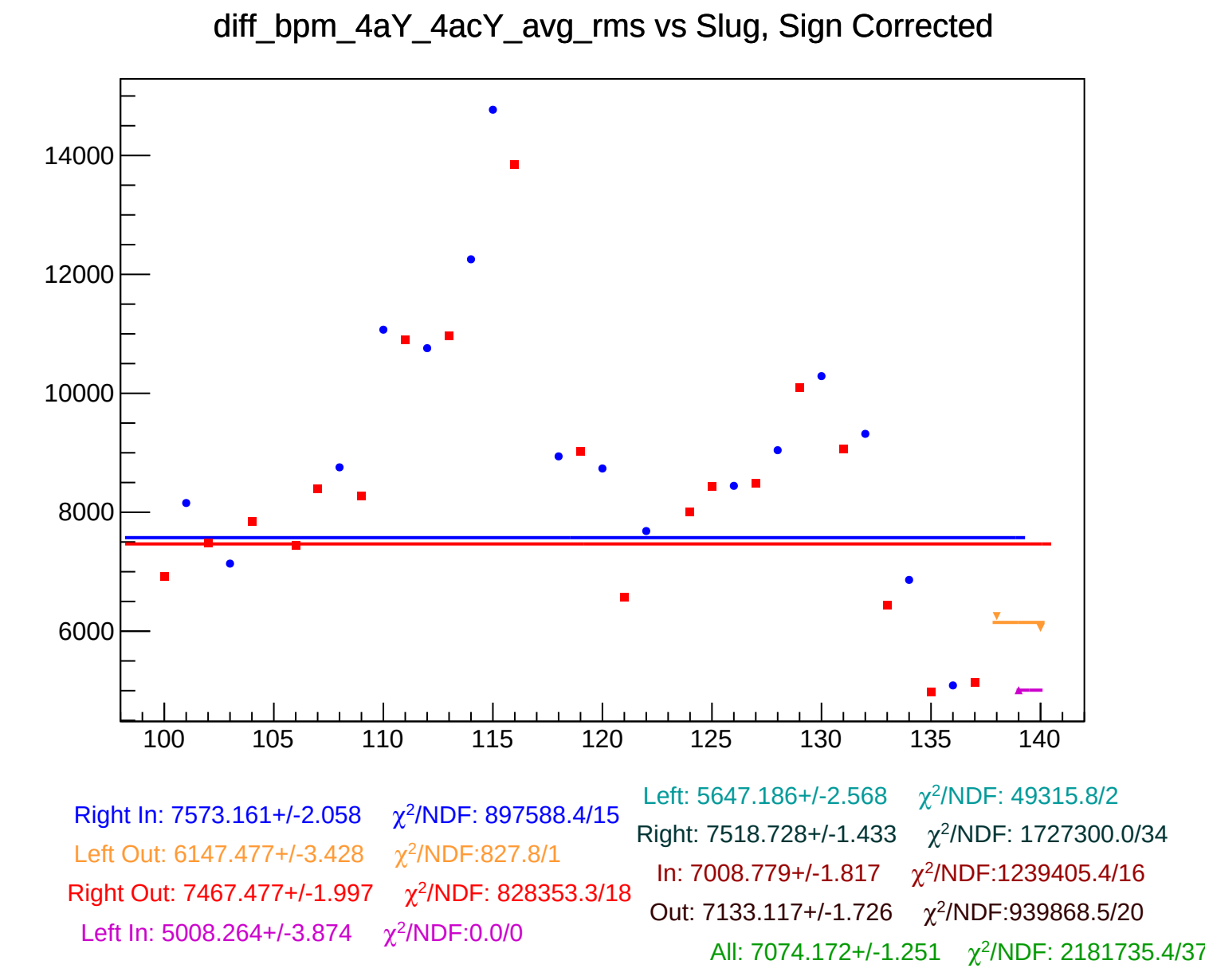
Left: -2.906+/-3.631 χ^2/NDF: 4.7/2

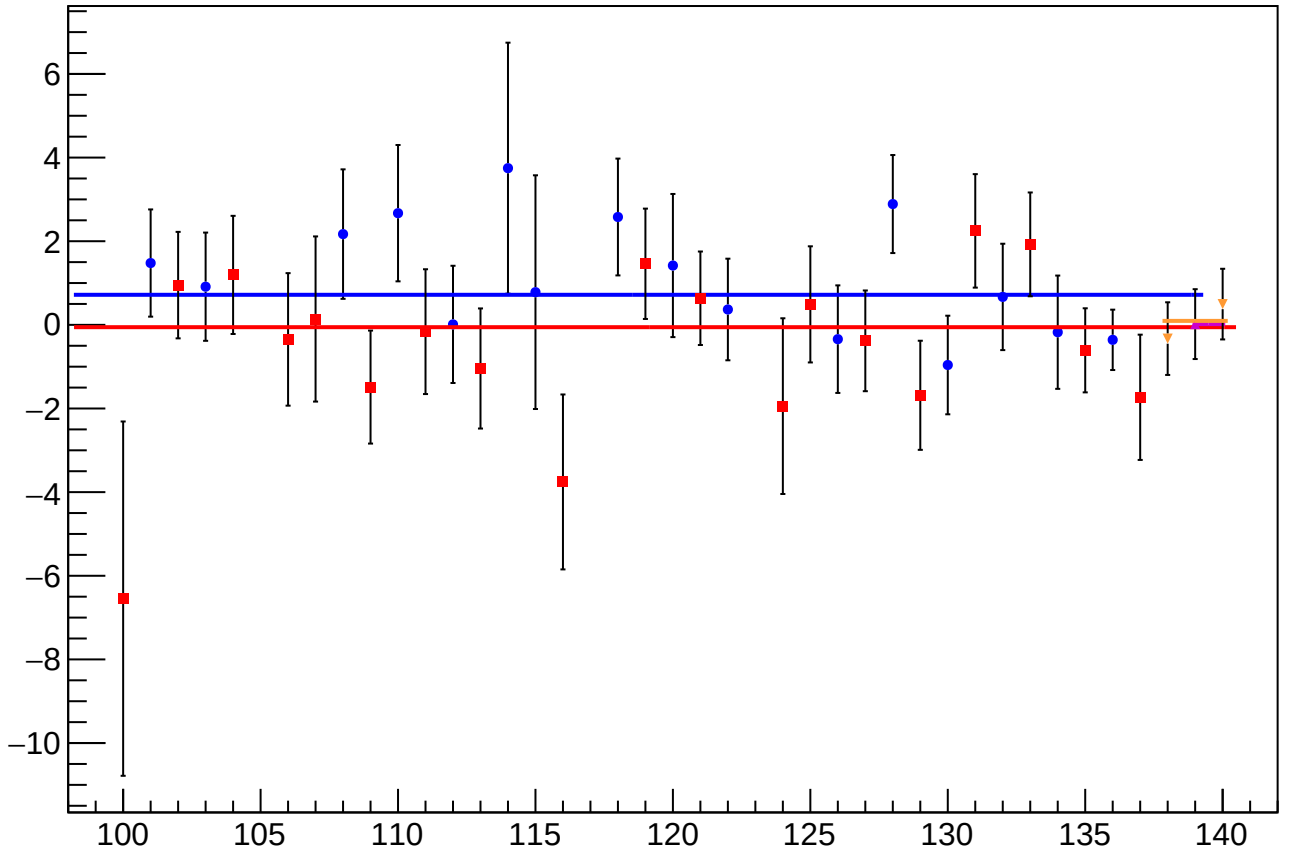
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -3.957+/-2.570 χ^2/NDF:10.4/16

Out: -3.508+/-2.440 χ^2/NDF:23.8/20

All: -3.721+/-1.770 χ^2/NDF: 34.3/37


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
105
110
115
120
125
130
135
140
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6147.477+/-3.428 χ²/NDF:827.8/1
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 5008.264+/-3.874 χ²/NDF:0.0/0
Left: 5647.186+/-2.568 χ²/NDF: 49315.8/2
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 7008.779+/-1.817 χ²/NDF:1239405.4/16
Out: 7133.117+/-1.726 χ²/NDF:939868.5/20
All: 7074.172+/-1.251 χ²/NDF: 2181735.4/37



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.095+/-0.606 χ^2/NDF:0.5/1

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: 0.018+/-0.835 χ^2/NDF:0.0/0

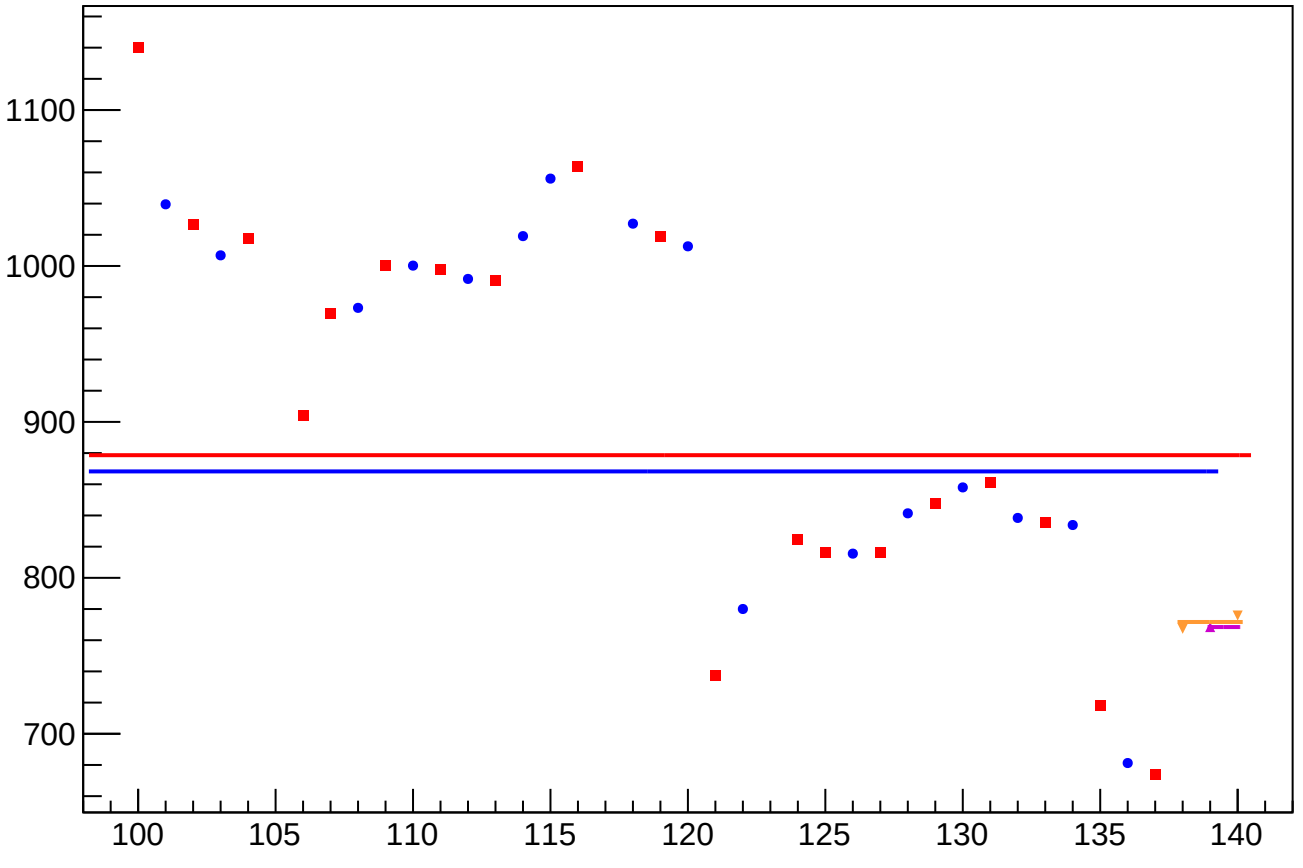
Left: 0.068+/-0.490 χ^2/NDF: 0.5/2

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.626+/-0.304 χ^2/NDF:15.4/16

Out: -0.022+/-0.285 χ^2/NDF:20.3/20

All: 0.282+/-0.208 χ^2/NDF: 38.1/37



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 771.690+/-0.428 χ^2/NDF:98.0/1

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 768.447+/-0.591 χ^2/NDF:0.0/0

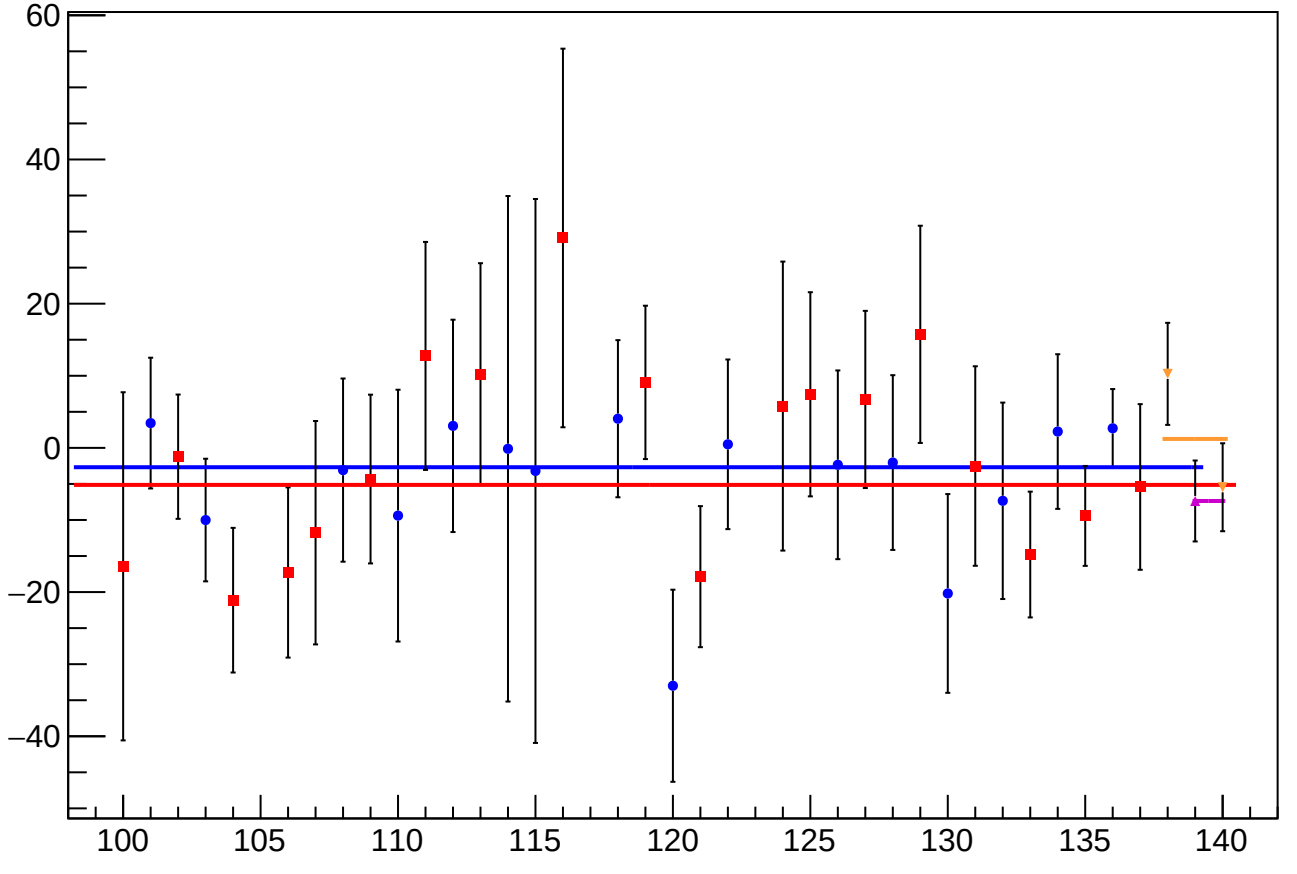
Left: 770.572+/-0.347 χ^2/NDF: 117.8/2

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 855.062+/-0.215 χ^2/NDF:327197.1/16

Out: 854.929+/-0.202 χ^2/NDF:321177.7/20

All: 854.991+/-0.147 χ^2/NDF: 648375.0/37



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 1.239+/-4.620 χ^2/NDF:2.8/1

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -7.366+/-5.614 χ^2/NDF:0.0/0

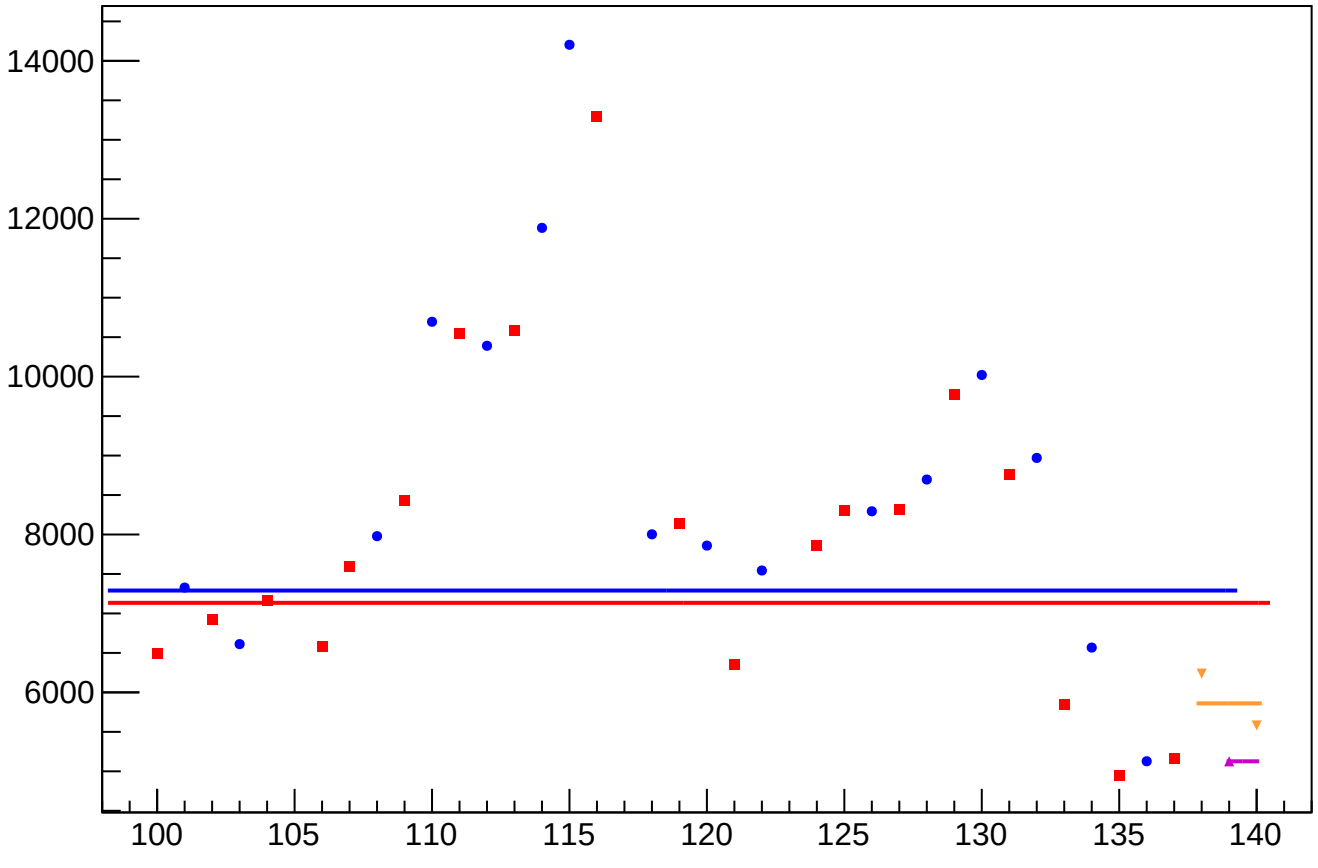
Left: -2.235+/-3.567 χ^2/NDF: 4.2/2

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -3.610+/-2.497 χ^2/NDF:10.6/16

Out: -3.520+/-2.326 χ^2/NDF:21.5/20

All: -3.562+/-1.702 χ^2/NDF: 32.1/37



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 5860.704+/-3.267 χ^2/NDF:9856.0/1

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 5126.901+/-3.970 χ^2/NDF:0.0/0

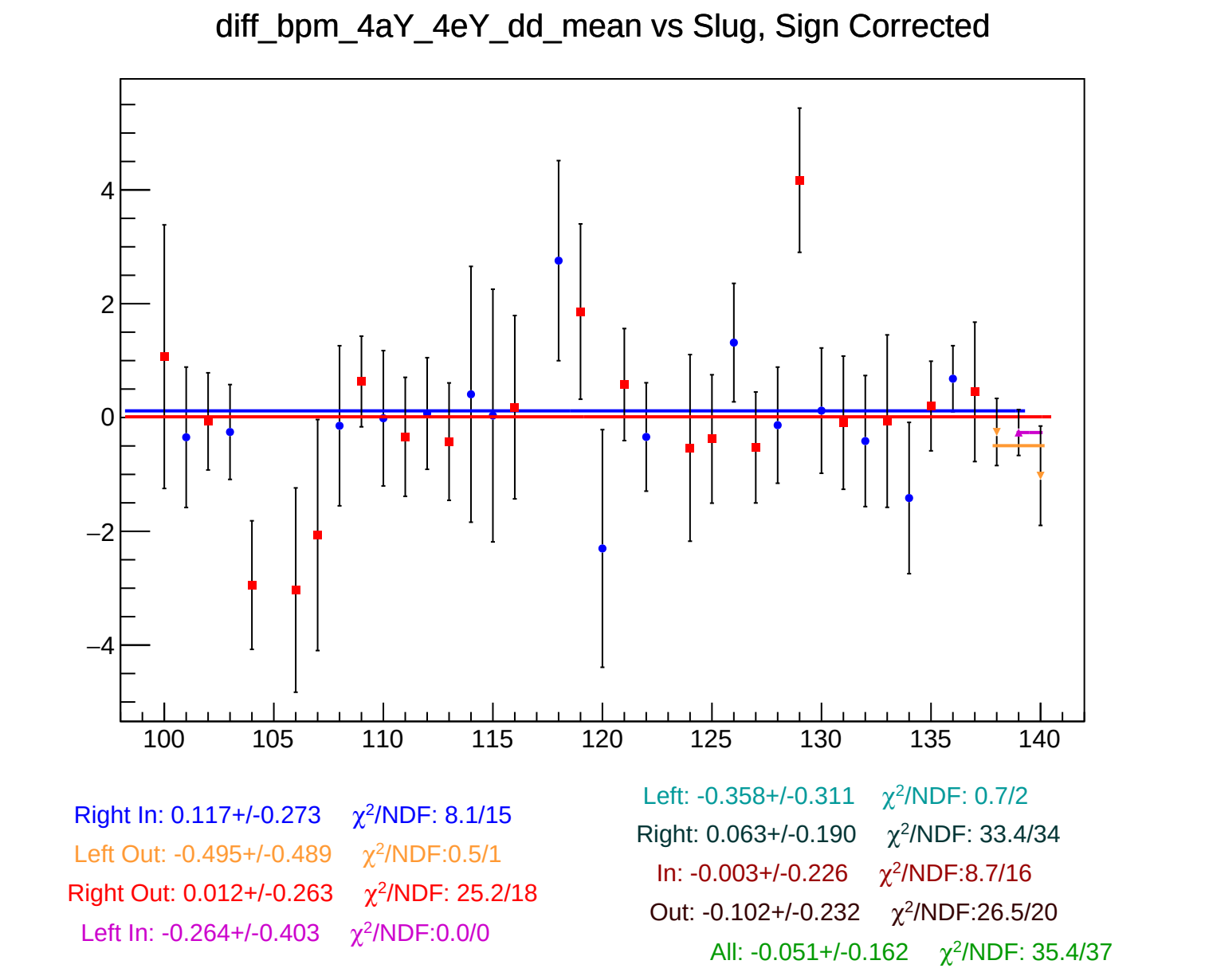
Left: 5564.417+/-2.522 χ^2/NDF: 30229.5/2

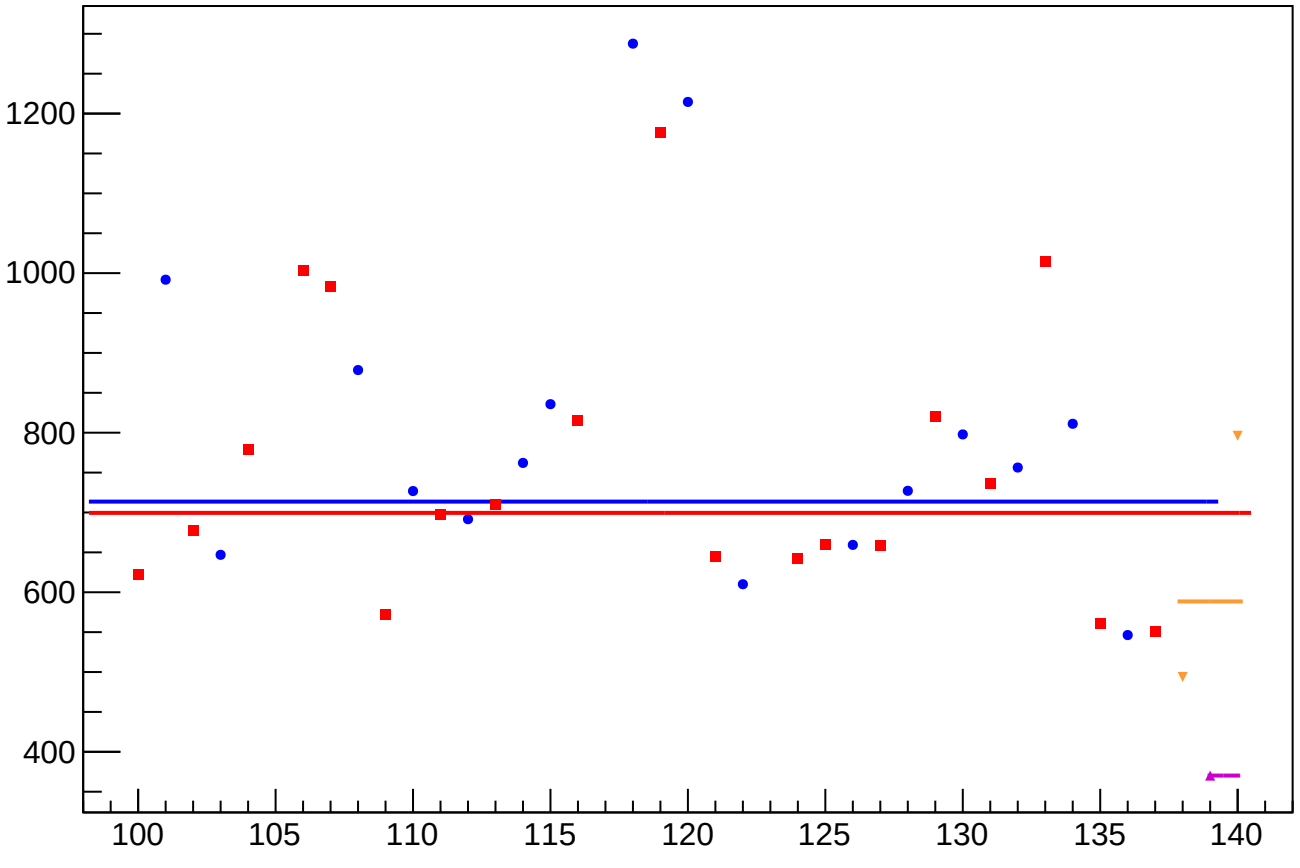
Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6862.208+/-1.766 χ^2/NDF:1008747.5/16

Out: 6811.571+/-1.645 χ^2/NDF:916135.6/20

All: 6835.093+/-1.203 χ^2/NDF: 1925323.4/37


diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected
4
2
0
−2
−4
100
105
110
115
120
125
130
135
140
Right In: 0.117+/-0.273 χ²/NDF: 8.1/15
Left Out: -0.495+/-0.489 χ²/NDF:0.5/1
Right Out: 0.012+/-0.263 χ²/NDF: 25.2/18
Left In: -0.264+/-0.403 χ²/NDF:0.0/0
Left: -0.358+/-0.311 χ²/NDF: 0.7/2
Right: 0.063+/-0.190 χ²/NDF: 33.4/34
In: -0.003+/-0.226 χ²/NDF:8.7/16
Out: -0.102+/-0.232 χ²/NDF:26.5/20
All: -0.051+/-0.162 χ²/NDF: 35.4/37



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 588.502+/-0.346 χ^2/NDF:164492.0/1

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 370.228+/-0.285 χ^2/NDF:0.0/0

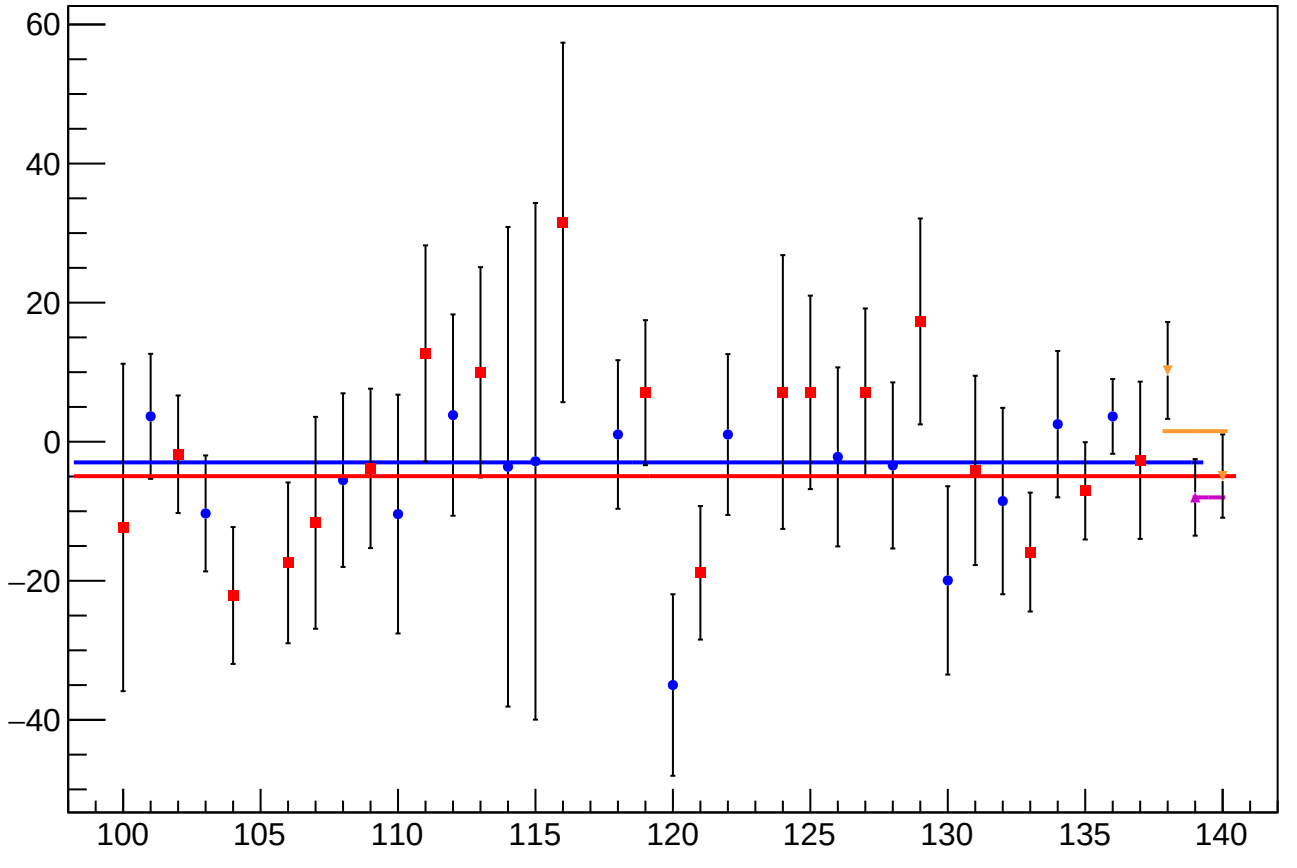
Left: 458.612+/-0.220 χ^2/NDF: 401752.4/2

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 605.620+/-0.160 χ^2/NDF:1693430.9/16

Out: 674.558+/-0.164 χ^2/NDF:820188.1/20

All: 639.247+/-0.114 χ^2/NDF: 2604264.9/37



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 1.515+/-4.542 χ^2/NDF:2.7/1

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -8.006+/-5.504 χ^2/NDF:0.0/0

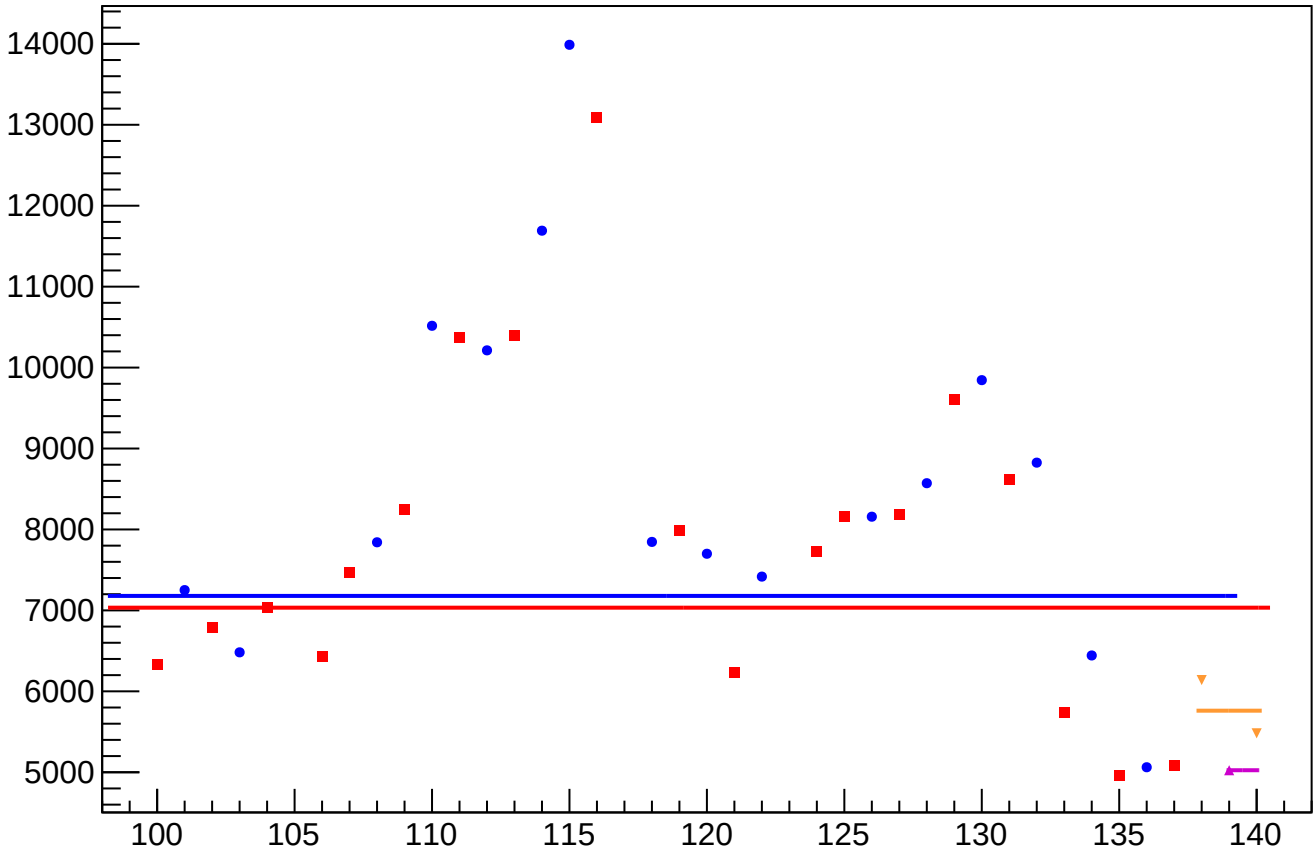
Left: -2.342+/-3.503 χ^2/NDF: 4.5/2

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -3.976+/-2.457 χ^2/NDF:12.2/16

Out: -3.309+/-2.291 χ^2/NDF:22.7/20

All: -3.619+/-1.676 χ^2/NDF: 35.0/37



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 5760.838+/-3.212 χ^2/NDF:10256.5/1

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 5025.092+/-3.892 χ^2/NDF:0.0/0

Left: 5462.807+/-2.477 χ^2/NDF: 31516.0/2

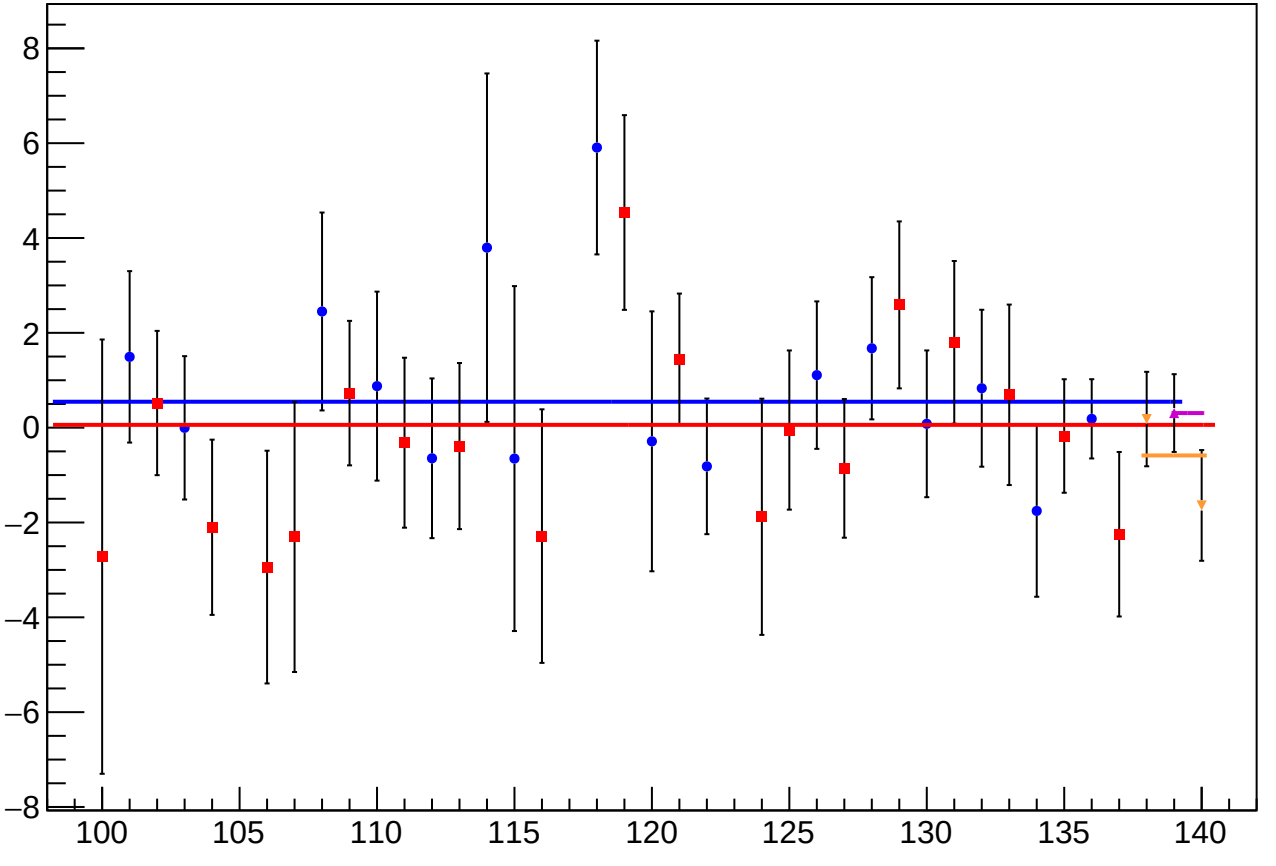
Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6749.679+/-1.738 χ^2/NDF:1007142.2/16

Out: 6709.728+/-1.620 χ^2/NDF:893732.5/20

All: 6728.306+/-1.185 χ^2/NDF: 1901157.5/37

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.586+/-0.758 χ^2/NDF:1.4/1

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.308+/-0.820 χ^2/NDF:0.0/0

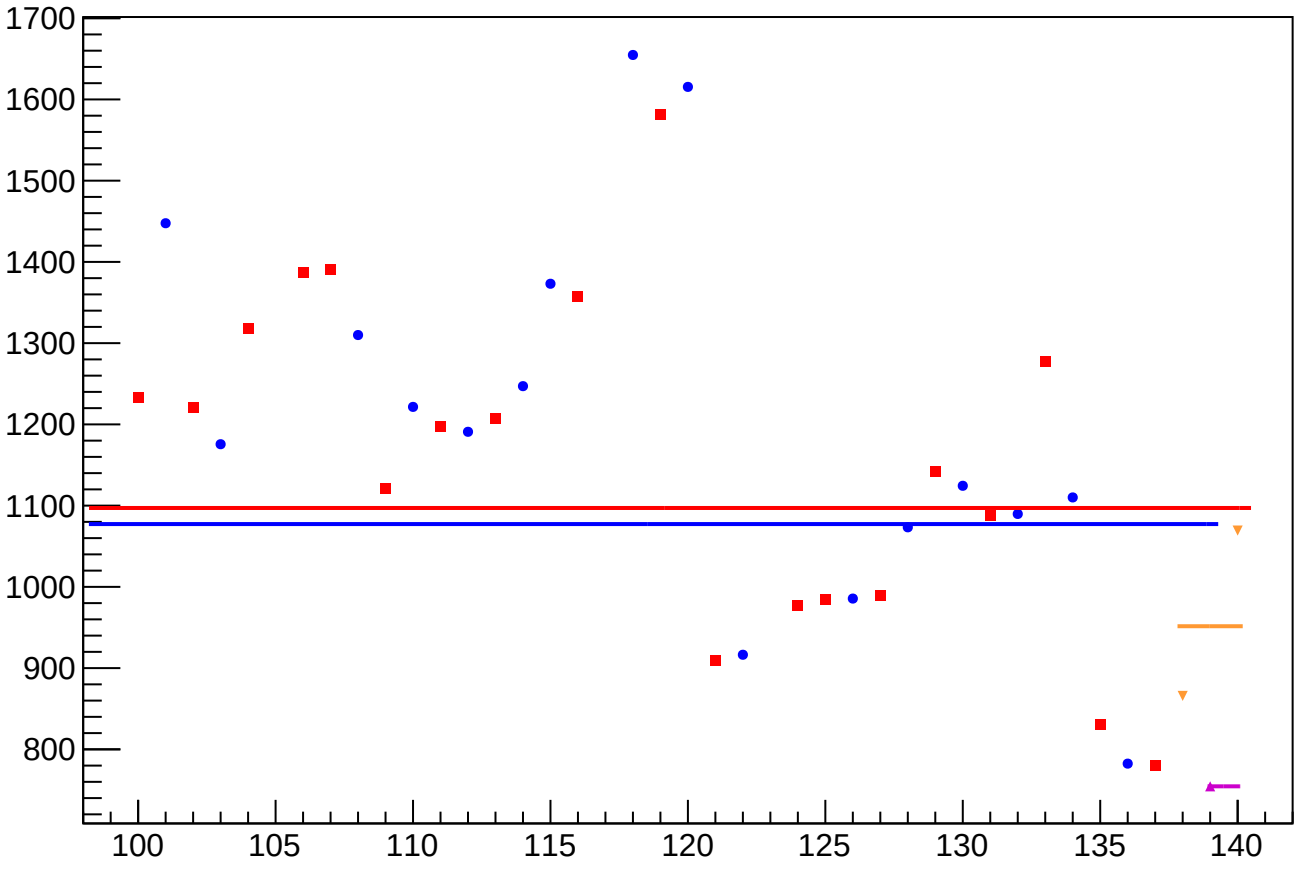
Left: -0.174+/-0.557 χ^2/NDF: 2.1/2

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.499+/-0.367 χ^2/NDF:12.0/16

Out: -0.086+/-0.360 χ^2/NDF:18.8/20

All: 0.200+/-0.257 χ^2/NDF: 32.1/37



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 951.545+/-0.536 χ^2/NDF:35170.1/1

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 754.481+/-0.580 χ^2/NDF:0.0/0

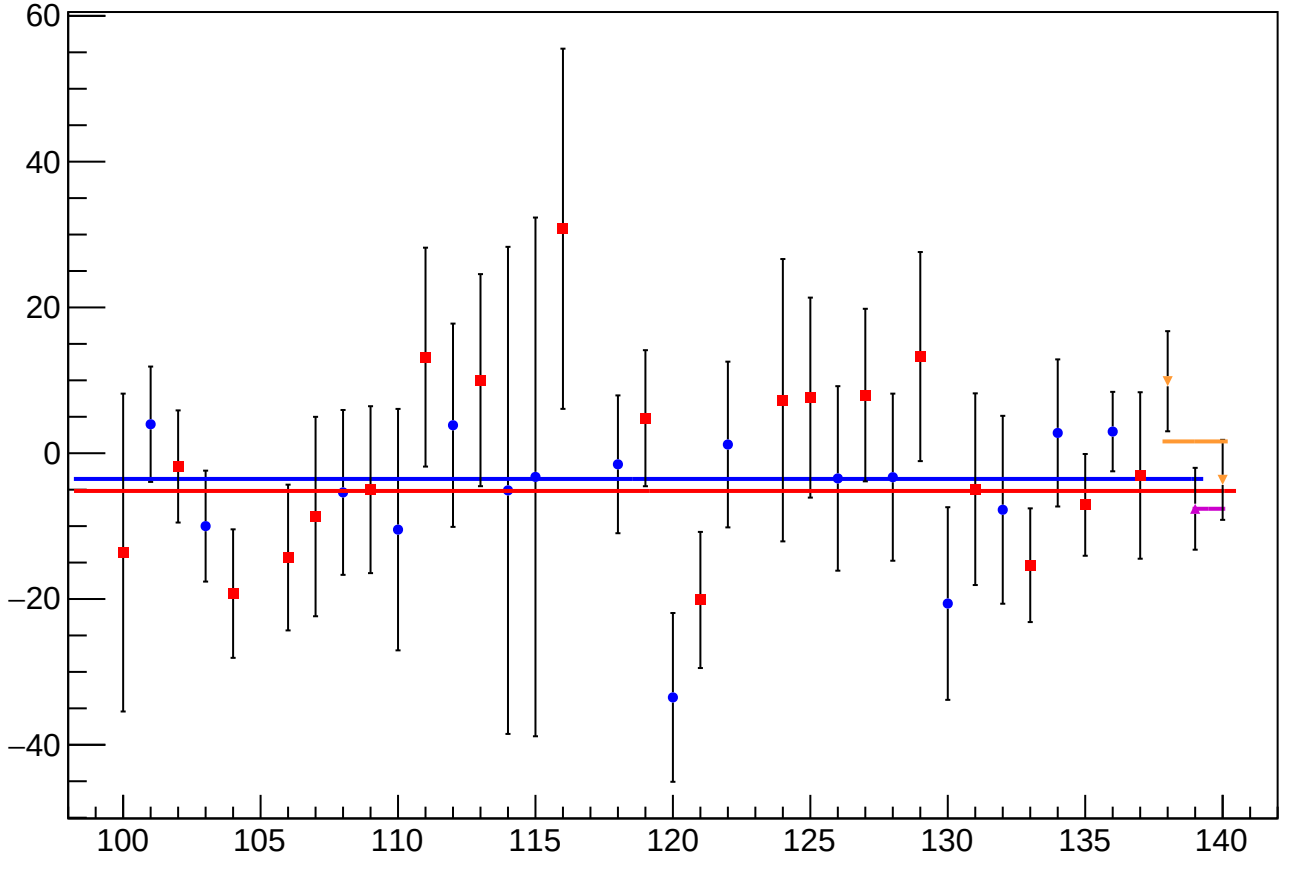
Left: 860.773+/-0.394 χ^2/NDF: 97467.0/2

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1012.525+/-0.260 χ^2/NDF:894273.7/16

Out: 1064.291+/-0.254 χ^2/NDF:576696.0/20

All: 1038.944+/-0.182 χ^2/NDF: 1491238.6/37



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 1.618+/-4.287 χ^2/NDF:2.4/1

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -7.620+/-5.615 χ^2/NDF:0.0/0

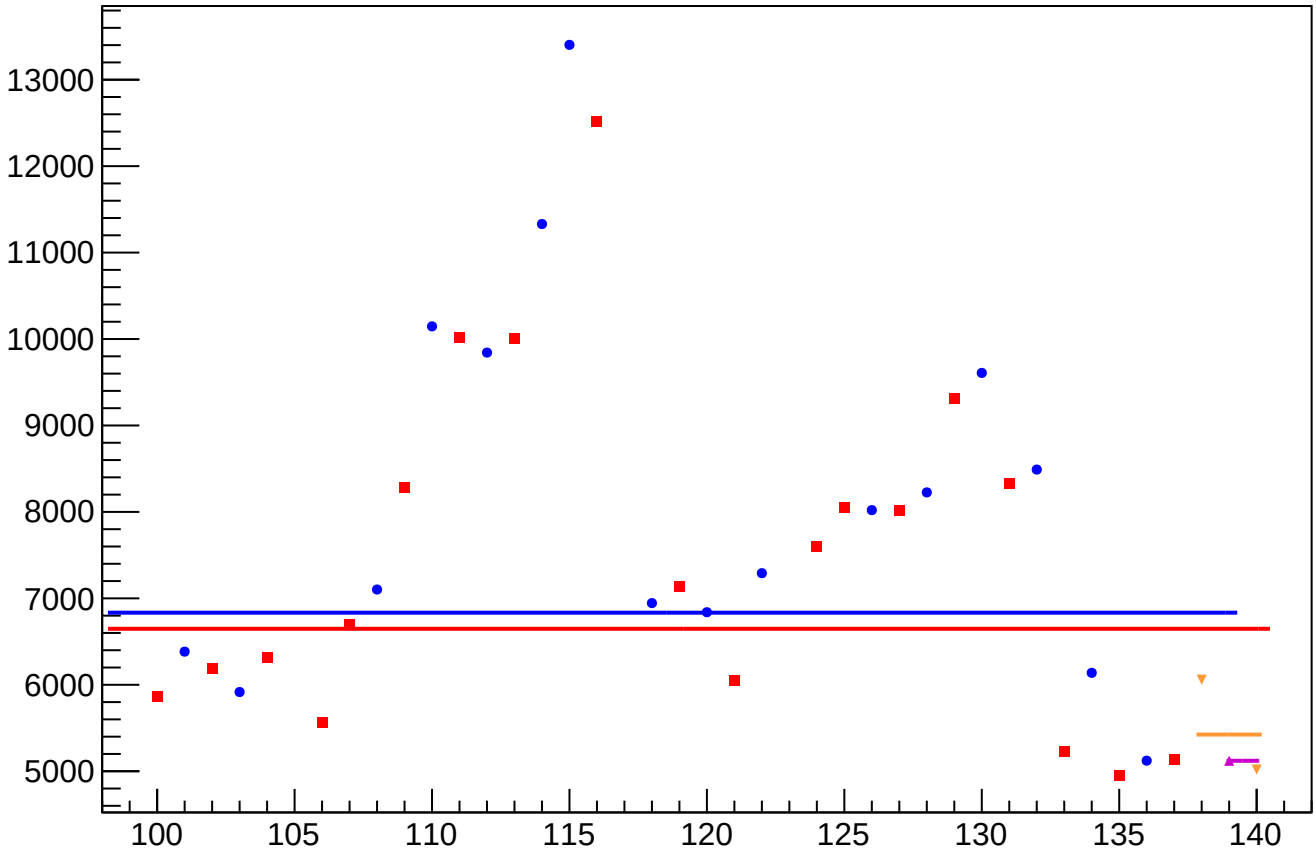
Left: -1.784+/-3.408 χ^2/NDF: 4.1/2

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -4.254+/-2.365 χ^2/NDF:13.1/16

Out: -3.444+/-2.165 χ^2/NDF:22.4/20

All: -3.813+/-1.597 χ^2/NDF: 35.6/37



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5424.624+/-3.032 χ^2/NDF:27935.2/1

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 5120.952+/-3.970 χ^2/NDF:0.0/0

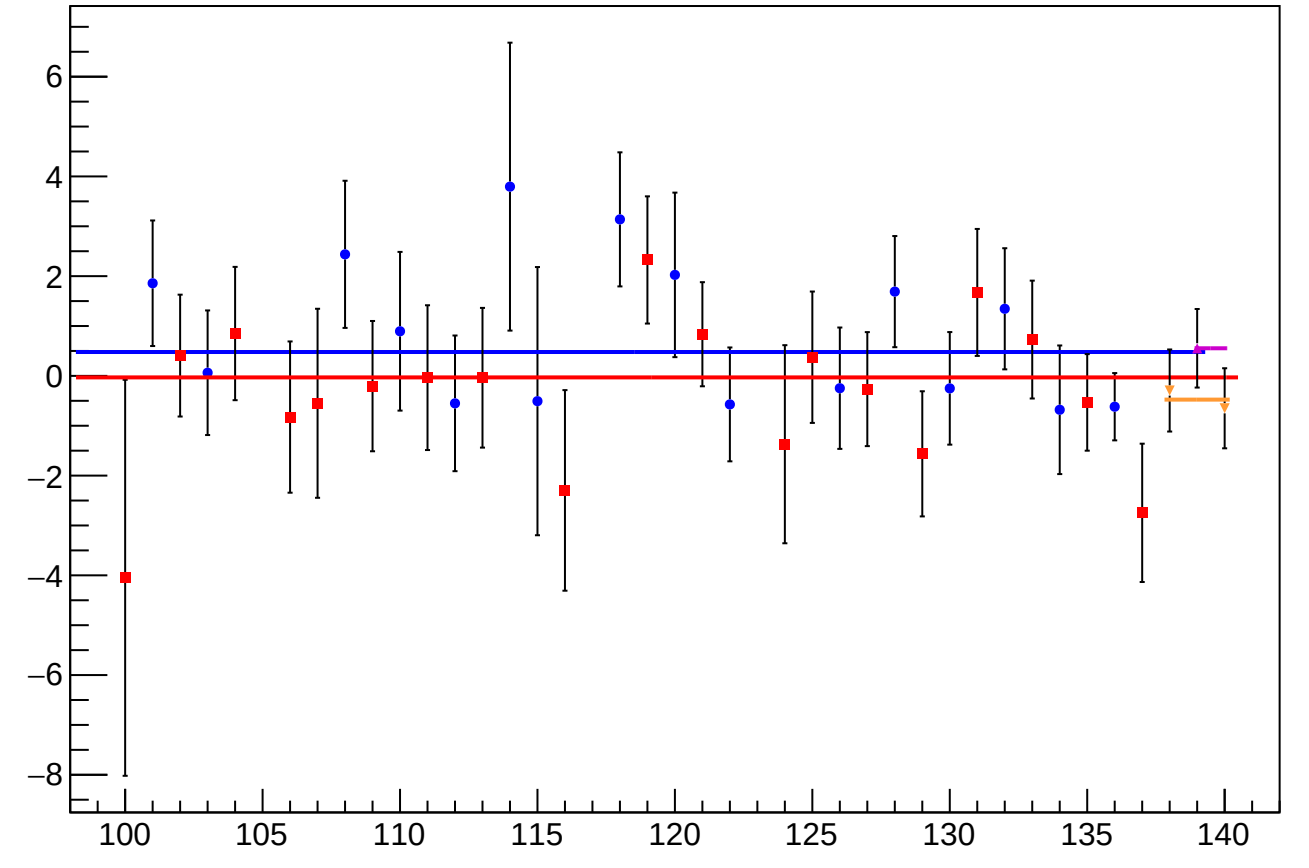
Left: 5312.786+/-2.410 χ^2/NDF: 31630.5/2

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6530.277+/-1.673 χ^2/NDF:845899.6/16

Out: 6336.097+/-1.531 χ^2/NDF:934366.5/20

All: 6424.603+/-1.129 χ^2/NDF: 1787600.8/37



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.476+/-0.575 χ^2/NDF:0.1/1

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: 0.554+/-0.788 χ^2/NDF:0.0/0

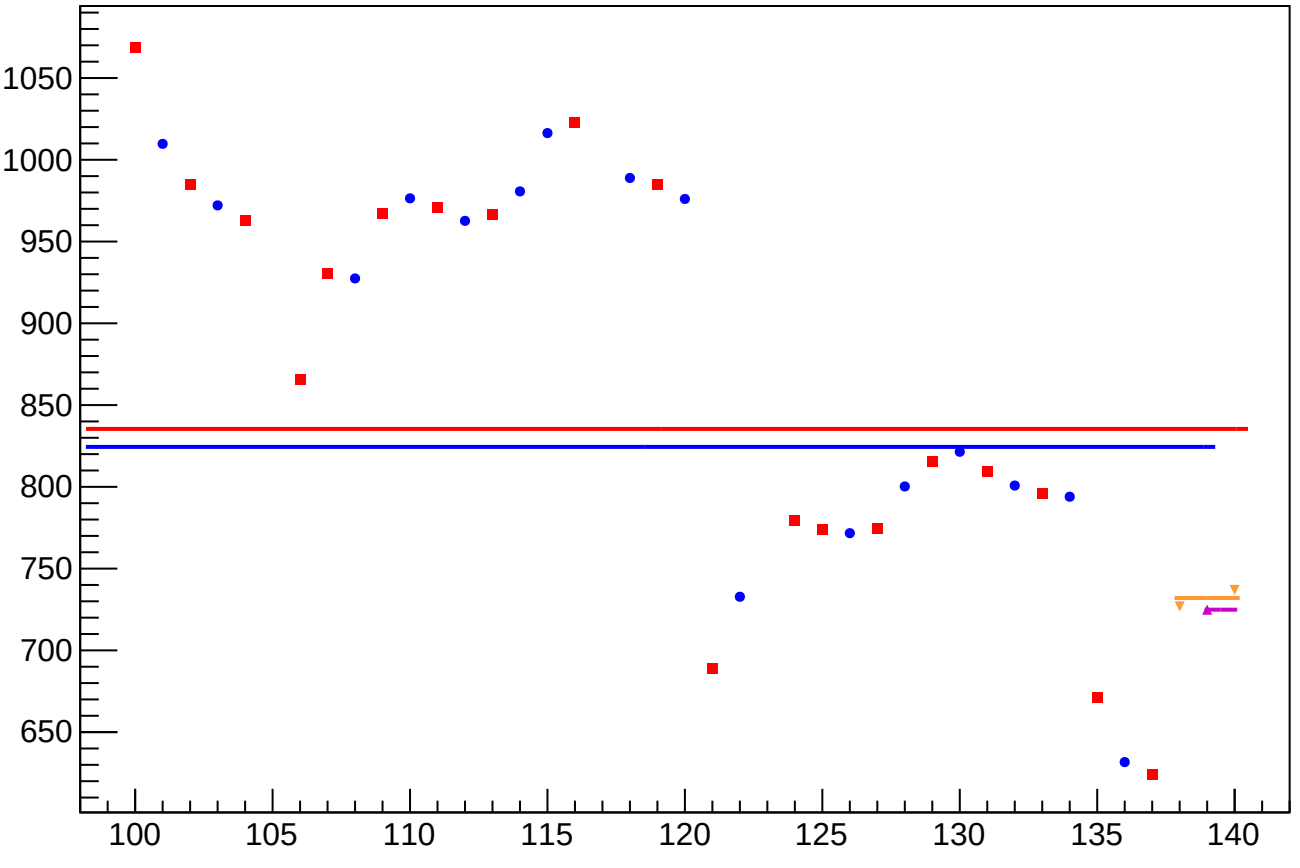
Left: -0.118+/-0.464 χ^2/NDF: 1.2/2

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.489+/-0.289 χ^2/NDF:16.7/16

Out: -0.130+/-0.272 χ^2/NDF:16.3/20

All: 0.160+/-0.198 χ^2/NDF: 35.4/37



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 732.047+/-0.406 χ^2/NDF:153.7/1

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 724.886+/-0.557 χ^2/NDF:0.0/0

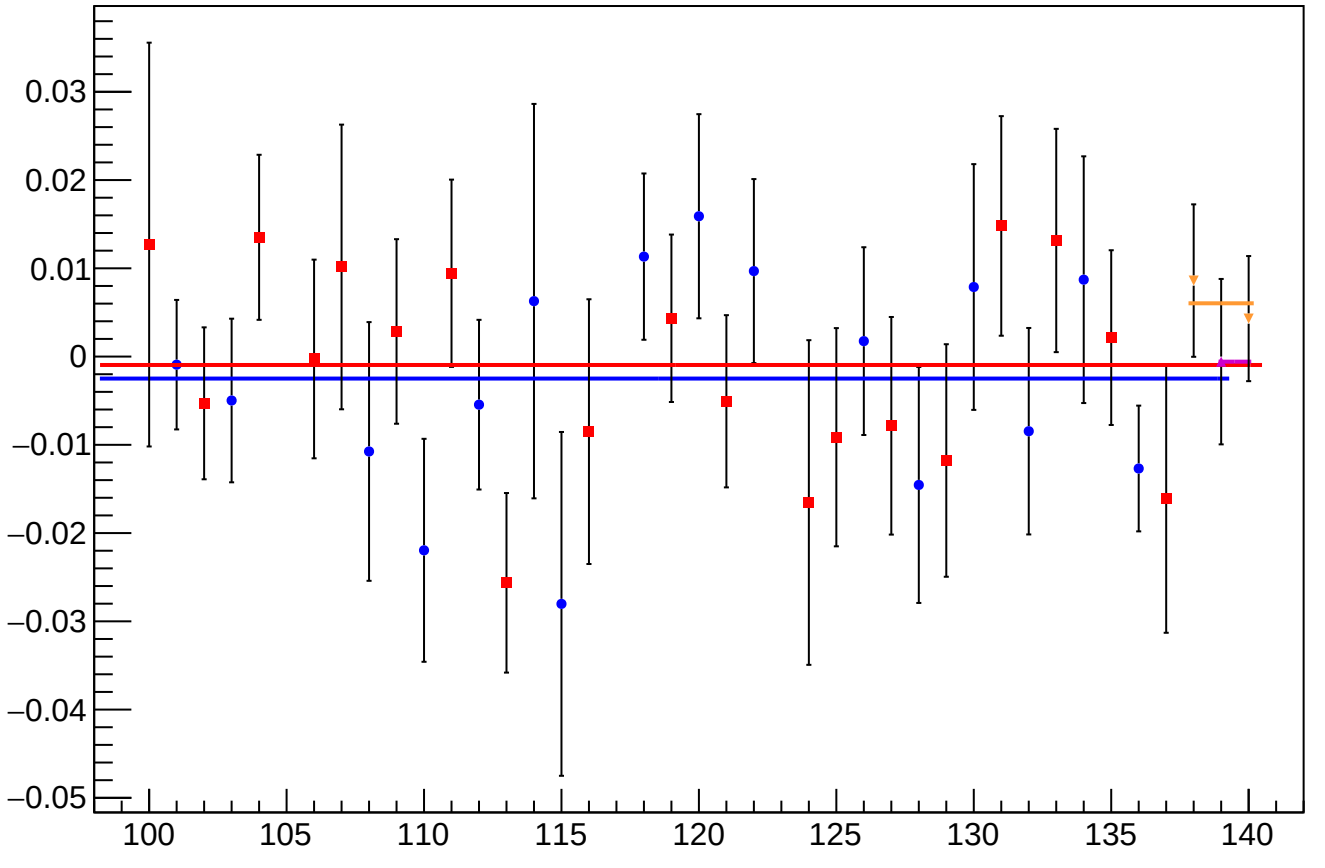
Left: 729.560+/-0.328 χ^2/NDF: 261.5/2

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 811.026+/-0.204 χ^2/NDF:393091.5/16

Out: 812.304+/-0.192 χ^2/NDF:369703.2/20

All: 811.704+/-0.140 χ^2/NDF: 762815.5/37



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.006+/-0.005 χ^2/NDF:0.1/1

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: -0.001+/-0.009 χ^2/NDF:0.0/0

Left: 0.004+/-0.005 χ^2/NDF: 0.5/2

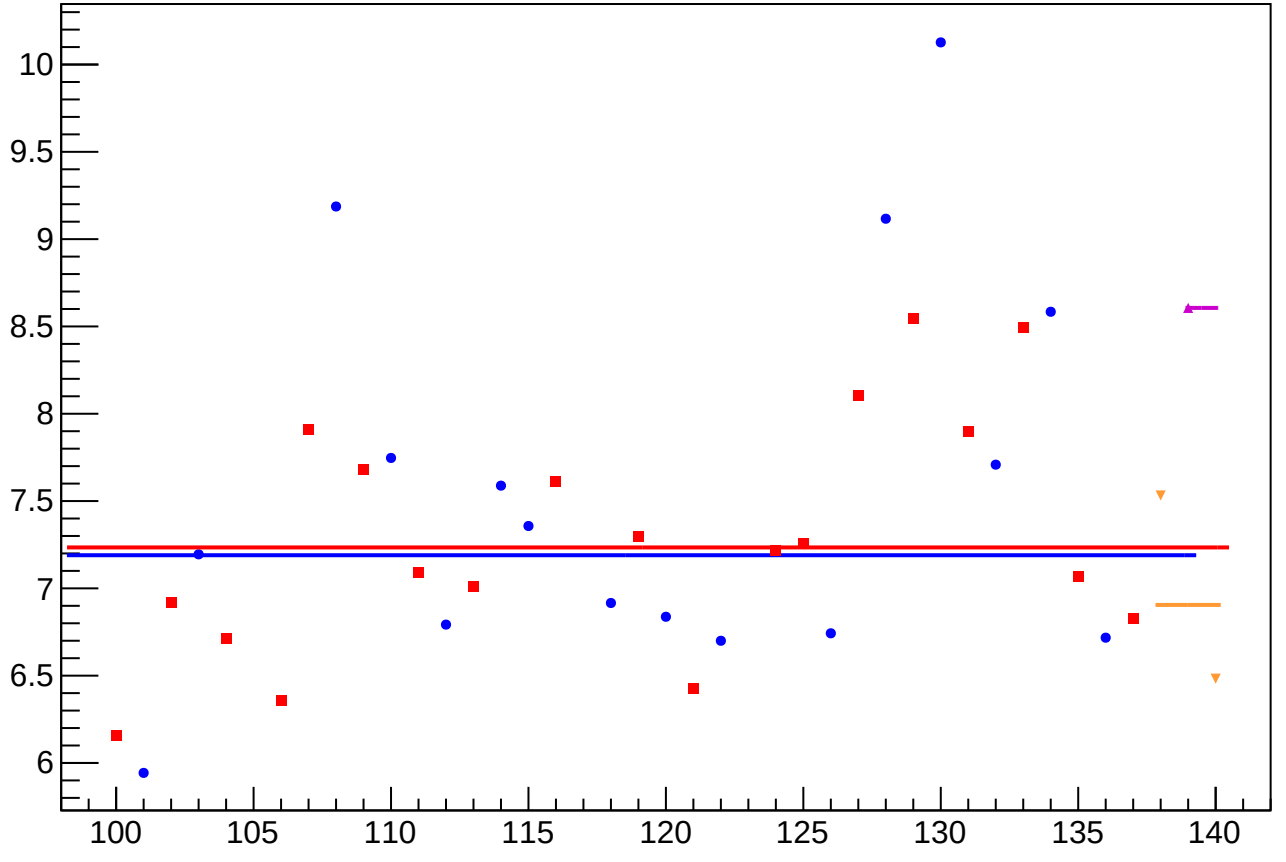
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.002+/-0.003 χ^2/NDF:15.3/16

Out: 0.000+/-0.002 χ^2/NDF:18.8/20

All: -0.001+/-0.002 χ^2/NDF: 34.7/37

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.905+/-0.004 χ^2/NDF:17634.8/1

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 8.606+/-0.007 χ^2/NDF:0.0/0

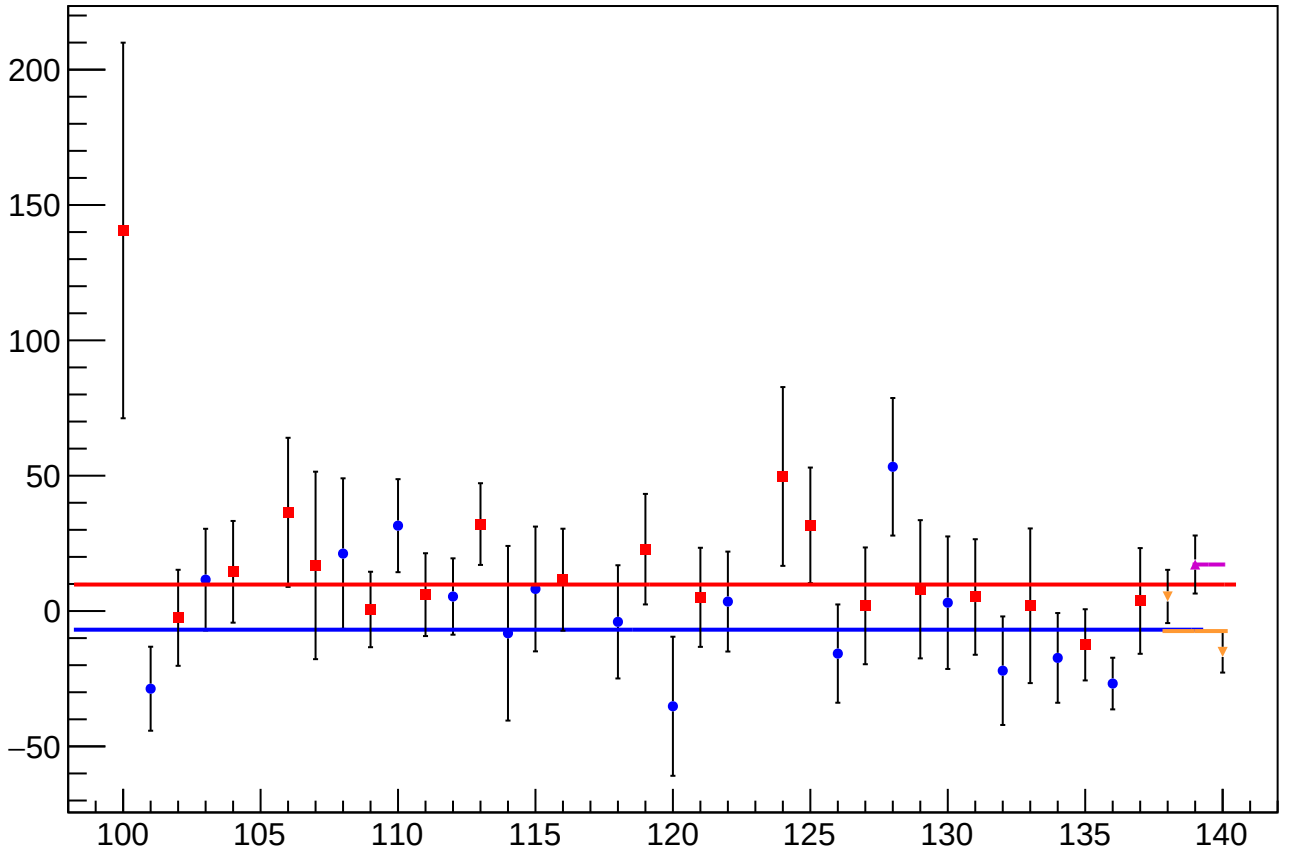
Left: 7.338+/-0.003 χ^2/NDF: 66741.0/2

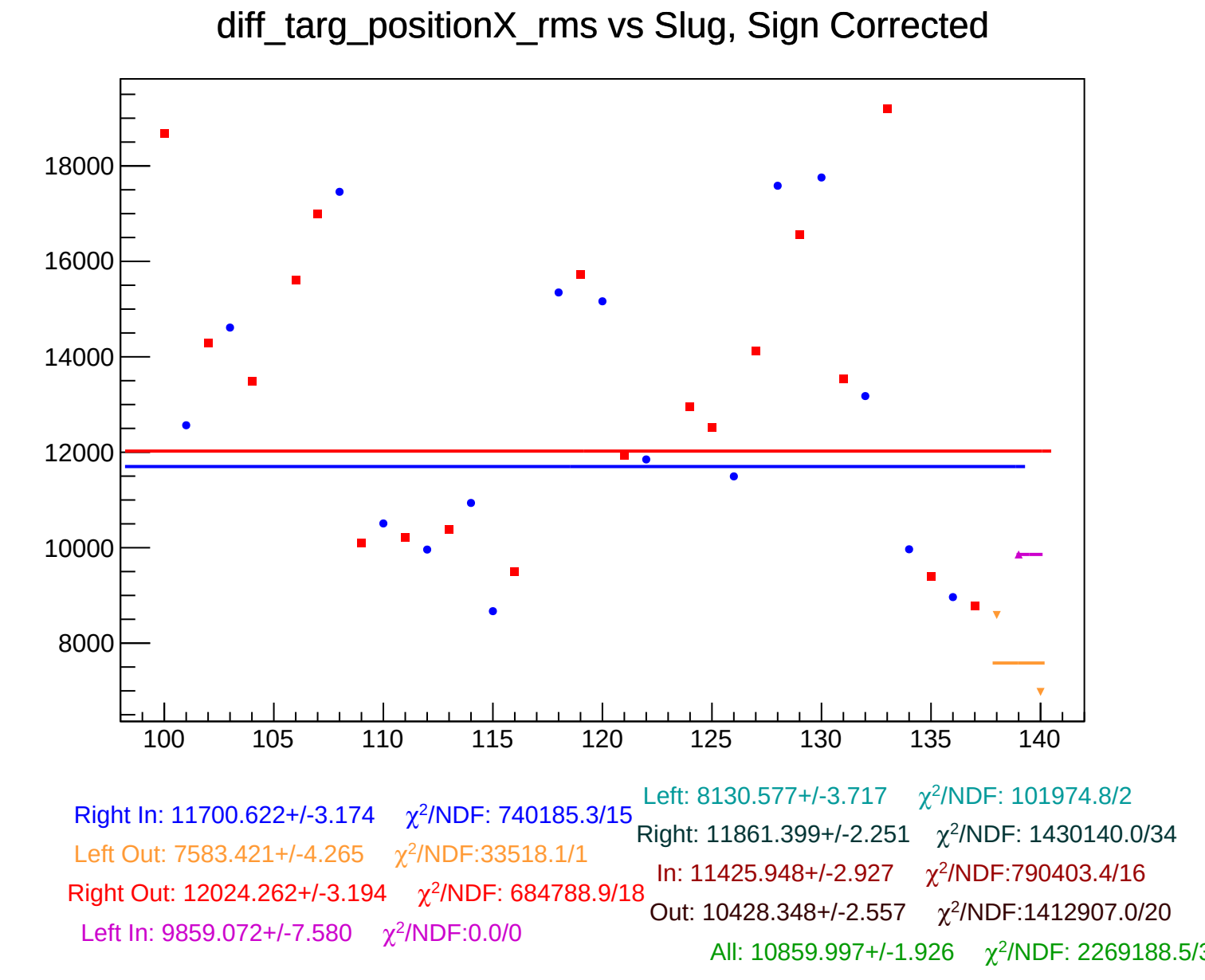
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

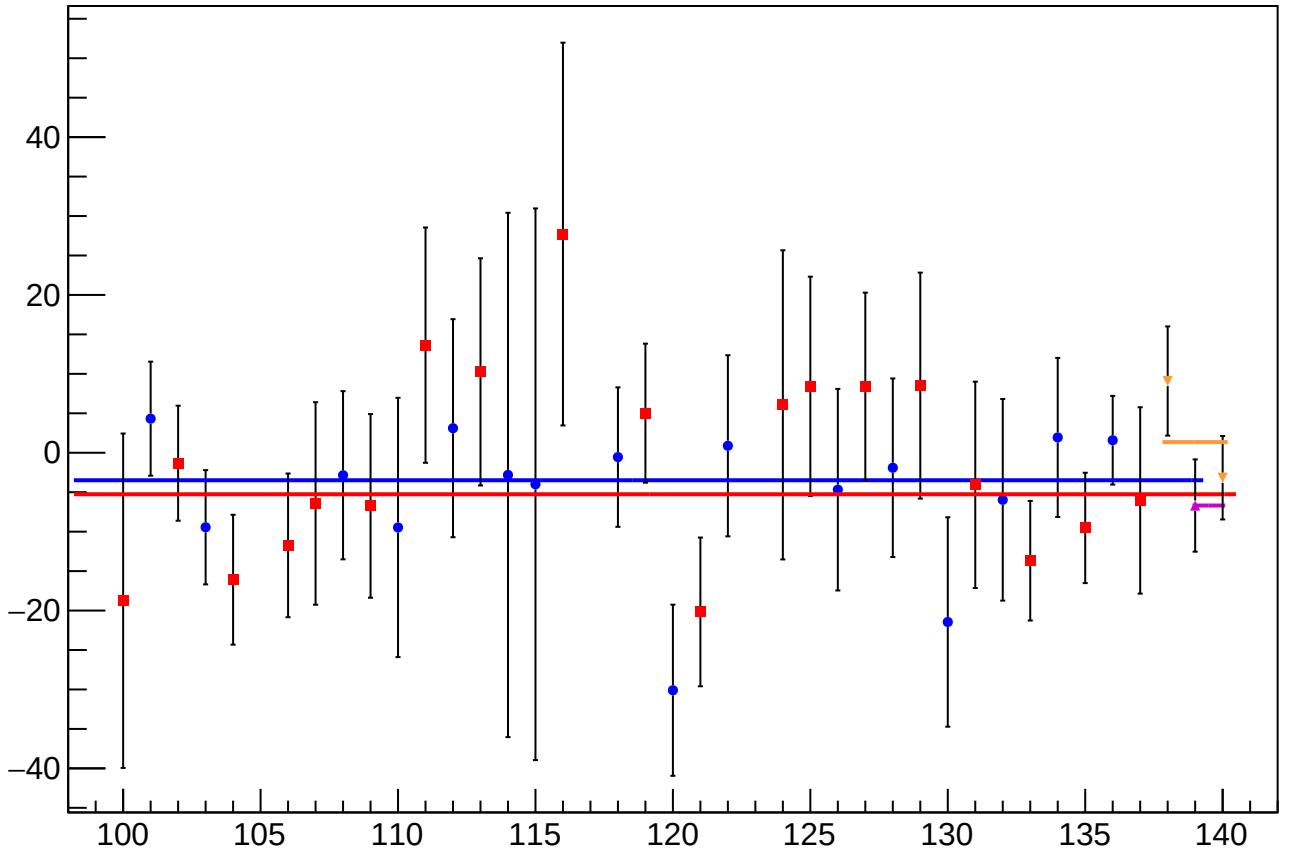
In: 7.299+/-0.002 χ^2/NDF:319797.9/16

Out: 7.172+/-0.002 χ^2/NDF:129749.3/20

All: 7.230+/-0.001 χ^2/NDF: 452143.5/37


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
105
110
115
120
125
130
135
140
Right In: -6.891+/-4.488 χ²/NDF: 23.0/15
Left Out: -7.398+/-6.031 χ²/NDF:2.7/1
Right Out: 9.790+/-4.517 χ²/NDF: 14.0/18
Left In: 17.185+/-10.720 χ²/NDF:0.0/0
Left: -1.487+/-5.257 χ²/NDF: 6.7/2
Right: 1.396+/-3.184 χ²/NDF: 43.9/34
In: -3.300+/-4.140 χ²/NDF:27.3/16
Out: 3.613+/-3.616 χ²/NDF:21.9/20
All: 0.622+/-2.723 χ²/NDF: 50.8/37


diff_targ_positionX_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 7583.421+/-4.265 χ²/NDF:33518.1/1
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 9859.072+/-7.580 χ²/NDF:0.0/0
Left: 8130.577+/-3.717 χ²/NDF: 101974.8/2
Right: 11861.399+/-2.251 χ²/NDF: 1430140.0/34
In: 11425.948+/-2.927 χ²/NDF:790403.4/16
Out: 10428.348+/-2.557 χ²/NDF:1412907.0/20
All: 10859.997+/-1.926 χ²/NDF: 2269188.5/3



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 1.350+/-4.201 χ^2/NDF:2.0/1

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -6.689+/-5.848 χ^2/NDF:0.0/0

Left: -1.386+/-3.412 χ^2/NDF: 3.2/2

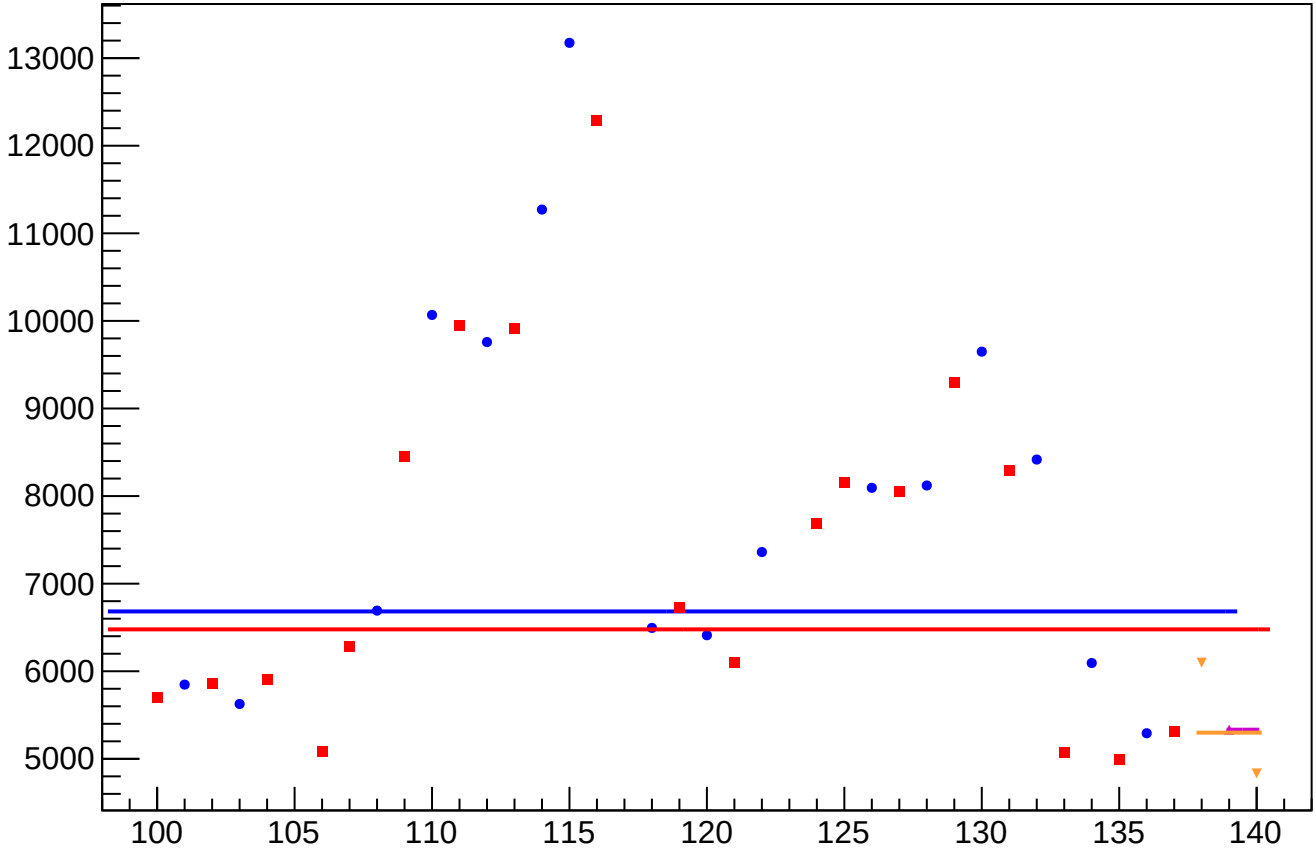
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -3.997+/-2.337 χ^2/NDF:11.7/16

Out: -3.586+/-2.114 χ^2/NDF:20.4/20

All: -3.771+/-1.568 χ^2/NDF: 32.2/37

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5298.948+/-2.971 χ^2/NDF:42166.2/1

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5332.682+/-4.135 χ^2/NDF:0.0/0

Left: 5310.430+/-2.413 χ^2/NDF: 42210.1/2

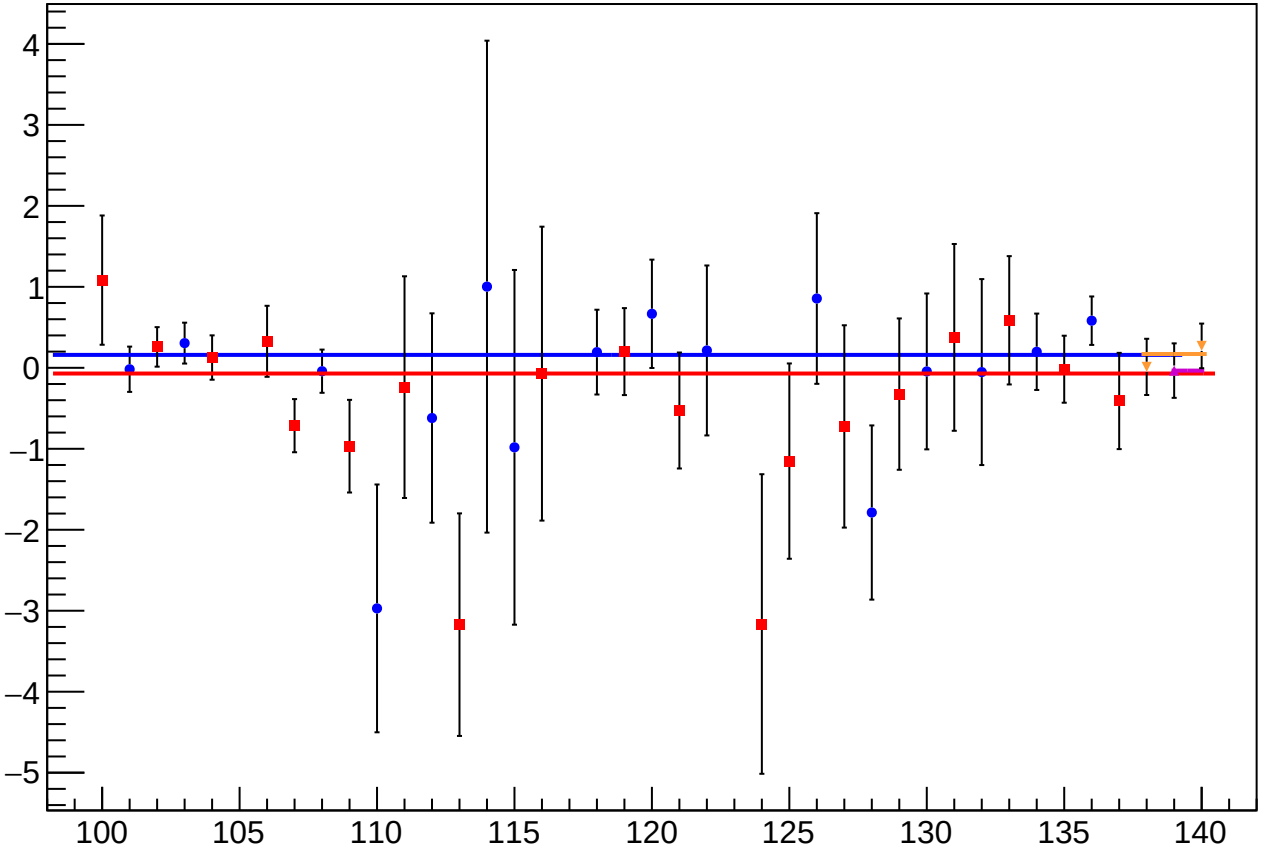
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6467.339+/-1.653 χ^2/NDF:781788.9/16

Out: 6179.532+/-1.495 χ^2/NDF:999061.7/20

All: 6309.042+/-1.109 χ^2/NDF: 1797531.3/37

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.171+/-0.216 χ^2/NDF:0.3/1

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.034+/-0.336 χ^2/NDF:0.0/0

Left: 0.111+/-0.182 χ^2/NDF: 0.6/2

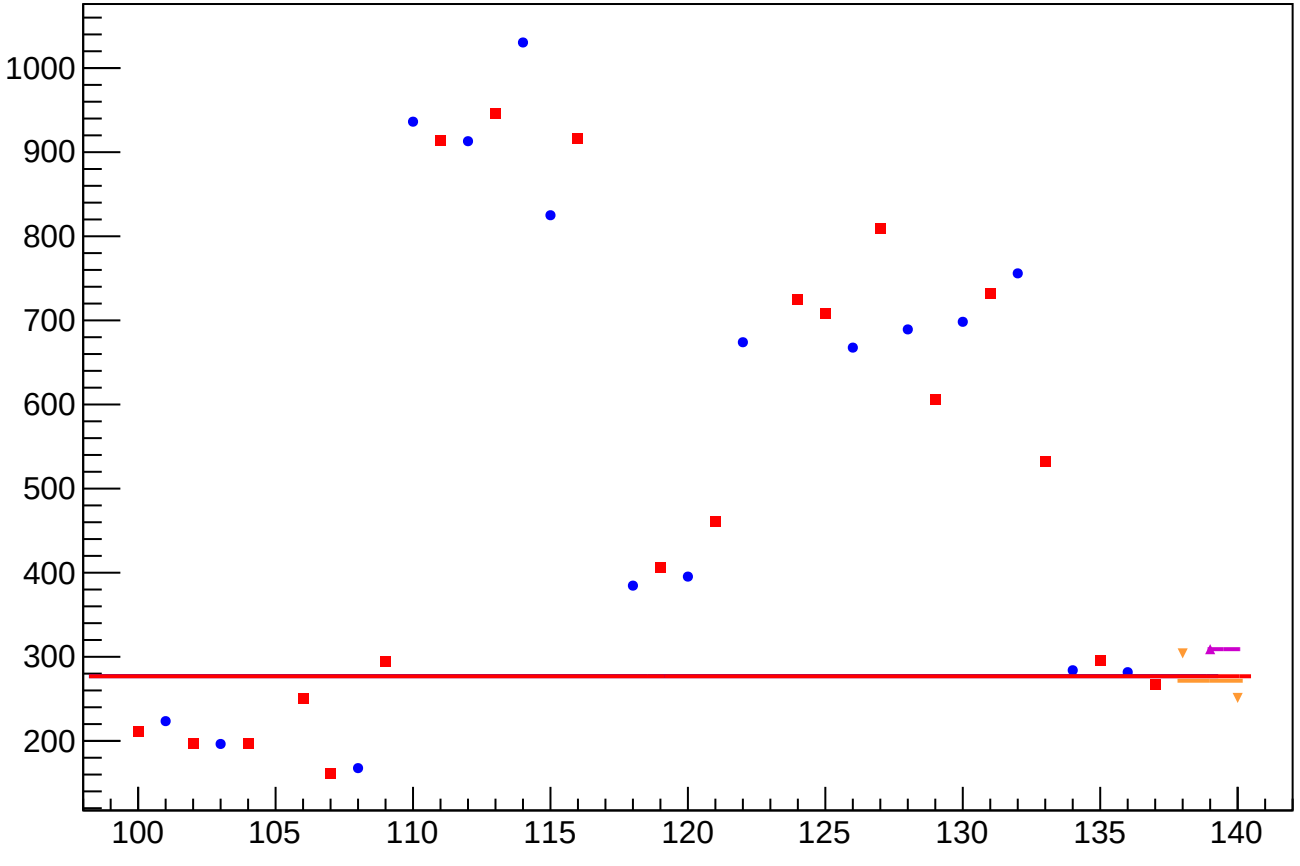
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.138+/-0.113 χ^2/NDF:12.9/16

Out: -0.014+/-0.105 χ^2/NDF:23.8/20

All: 0.056+/-0.077 χ^2/NDF: 37.6/37

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 271.566+/-0.153 χ^2/NDF:28548.5/1

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 309.078+/-0.238 χ^2/NDF:0.0/0

Left: 282.503+/-0.128 χ^2/NDF: 46166.2/2

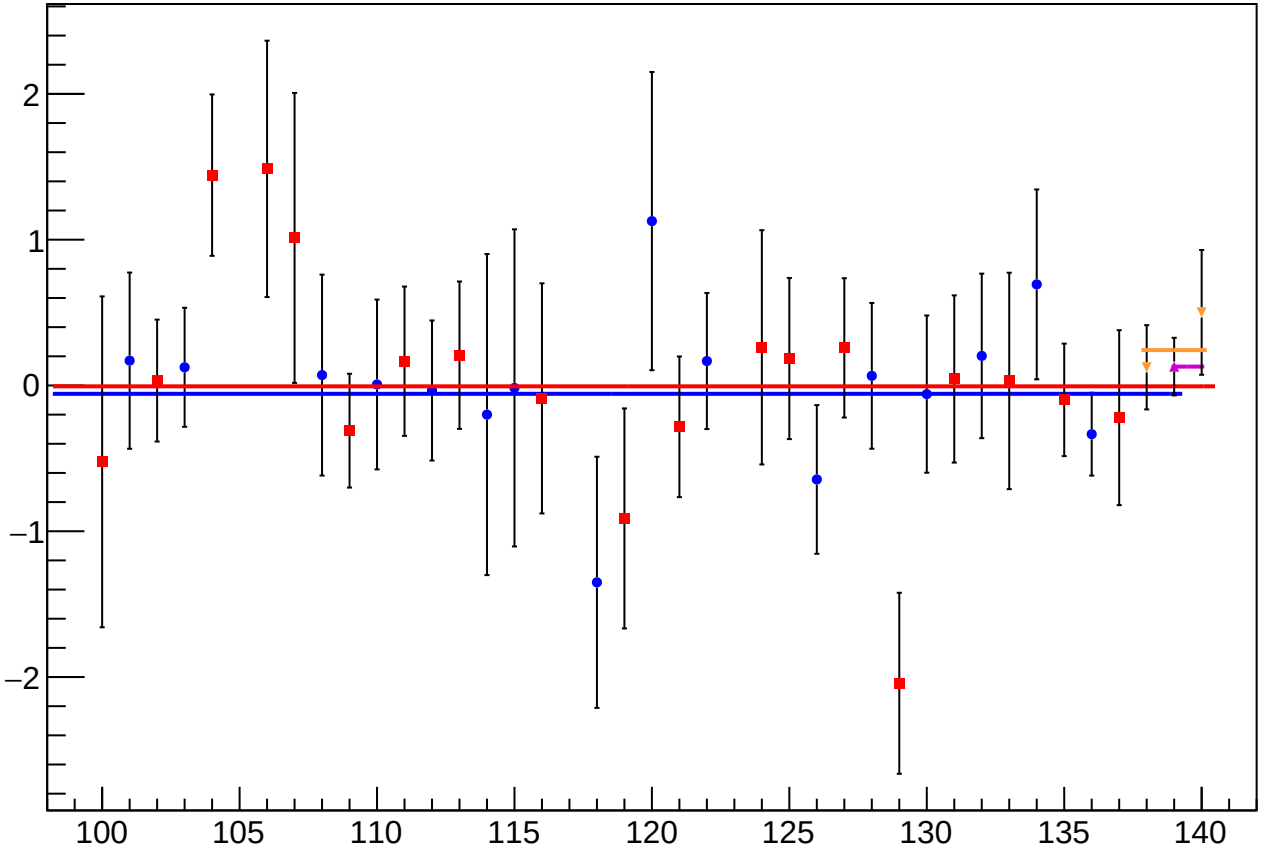
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 280.614+/-0.080 χ^2/NDF:3466661.5/16

Out: 275.619+/-0.074 χ^2/NDF:3601091.8/20

All: 277.933+/-0.054 χ^2/NDF: 7069862.6/37

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.243+/-0.239 χ^2/NDF:0.5/1

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: 0.129+/-0.198 χ^2/NDF:0.0/0

Left: 0.175+/-0.152 χ^2/NDF: 0.7/2

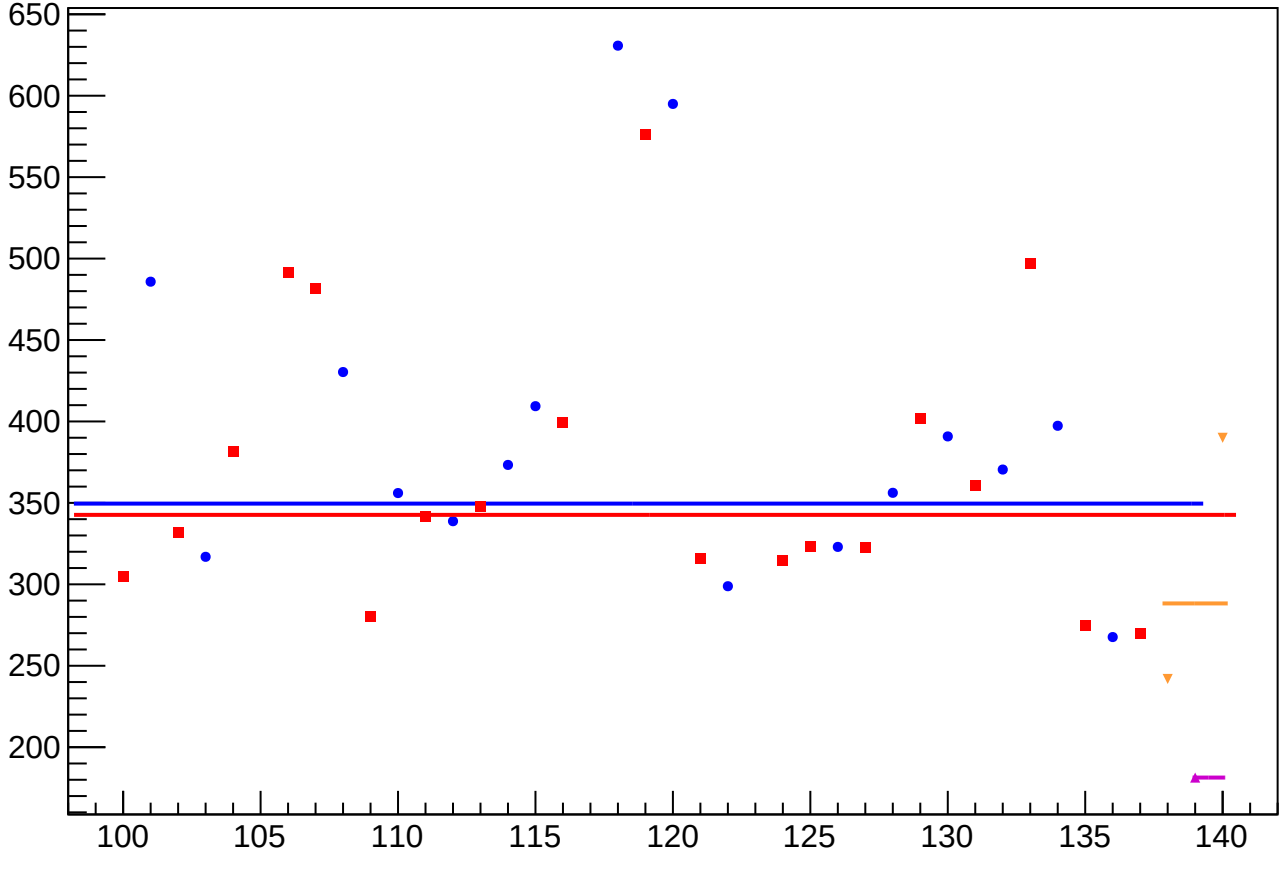
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: 0.001+/-0.111 χ^2/NDF:8.7/16

Out: 0.050+/-0.114 χ^2/NDF:26.5/20

All: 0.025+/-0.079 χ^2/NDF: 35.4/37

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 288.270+/-0.169 χ^2/NDF:164492.0/1

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 181.351+/-0.140 χ^2/NDF:0.0/0

Left: 224.644+/-0.108 χ^2/NDF: 401752.4/2

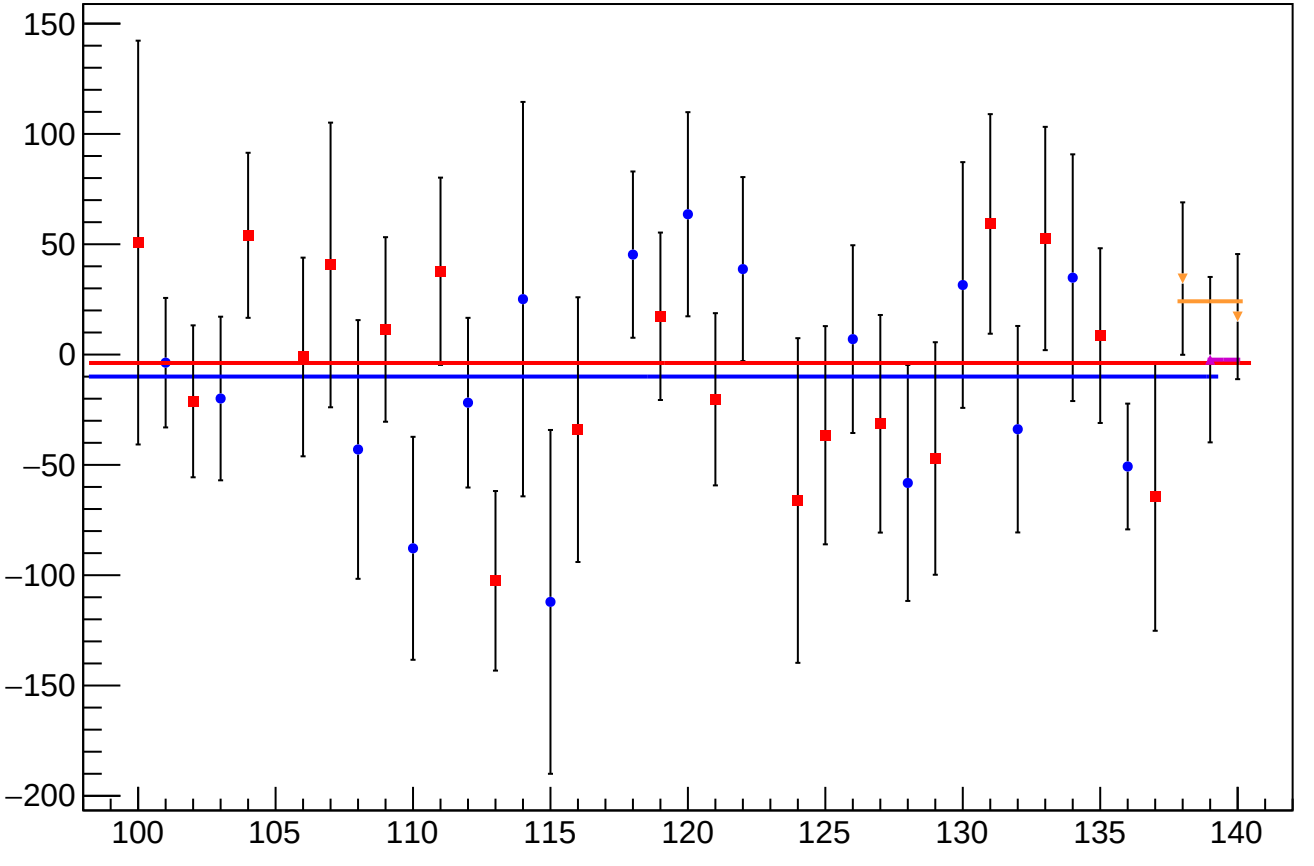
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 296.654+/-0.078 χ^2/NDF:1693430.9/16

Out: 330.423+/-0.080 χ^2/NDF:820188.1/20

All: 313.126+/-0.056 χ^2/NDF: 2604264.9/37

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 24.144+/-21.917 χ^2/NDF:0.1/1

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -2.307+/-37.488 χ^2/NDF:0.0/0

Left: 17.406+/-18.921 χ^2/NDF: 0.5/2

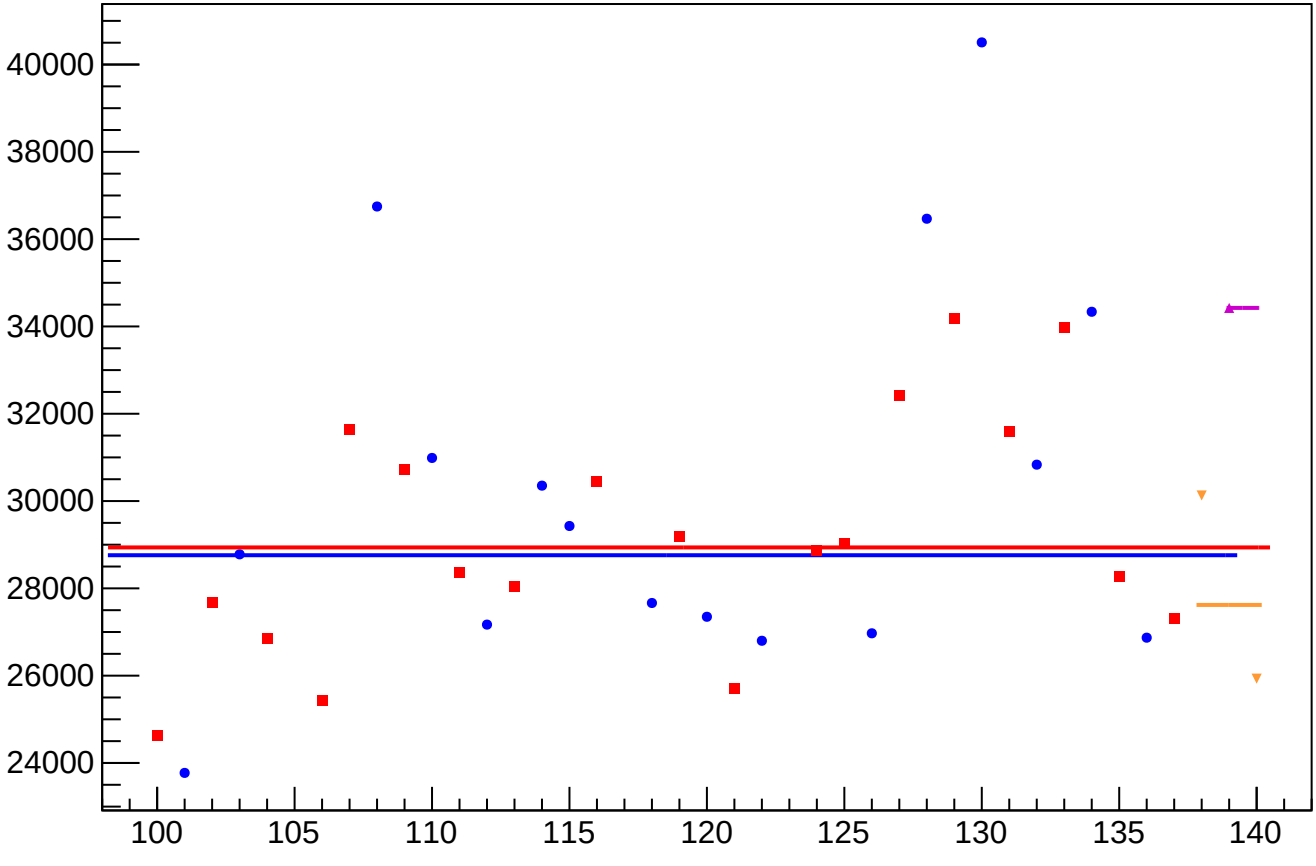
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -9.378+/-10.410 χ^2/NDF:15.3/16

Out: 1.516+/-9.569 χ^2/NDF:18.8/20

All: -3.474+/-7.045 χ^2/NDF: 34.7/37

diff_bpmE_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27620.247+/-15.498 χ^2/NDF:17634.8/1

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 34424.624+/-26.508 χ^2/NDF:0.0/0

Left: 29353.577+/-13.379 χ^2/NDF: 66741.0/2

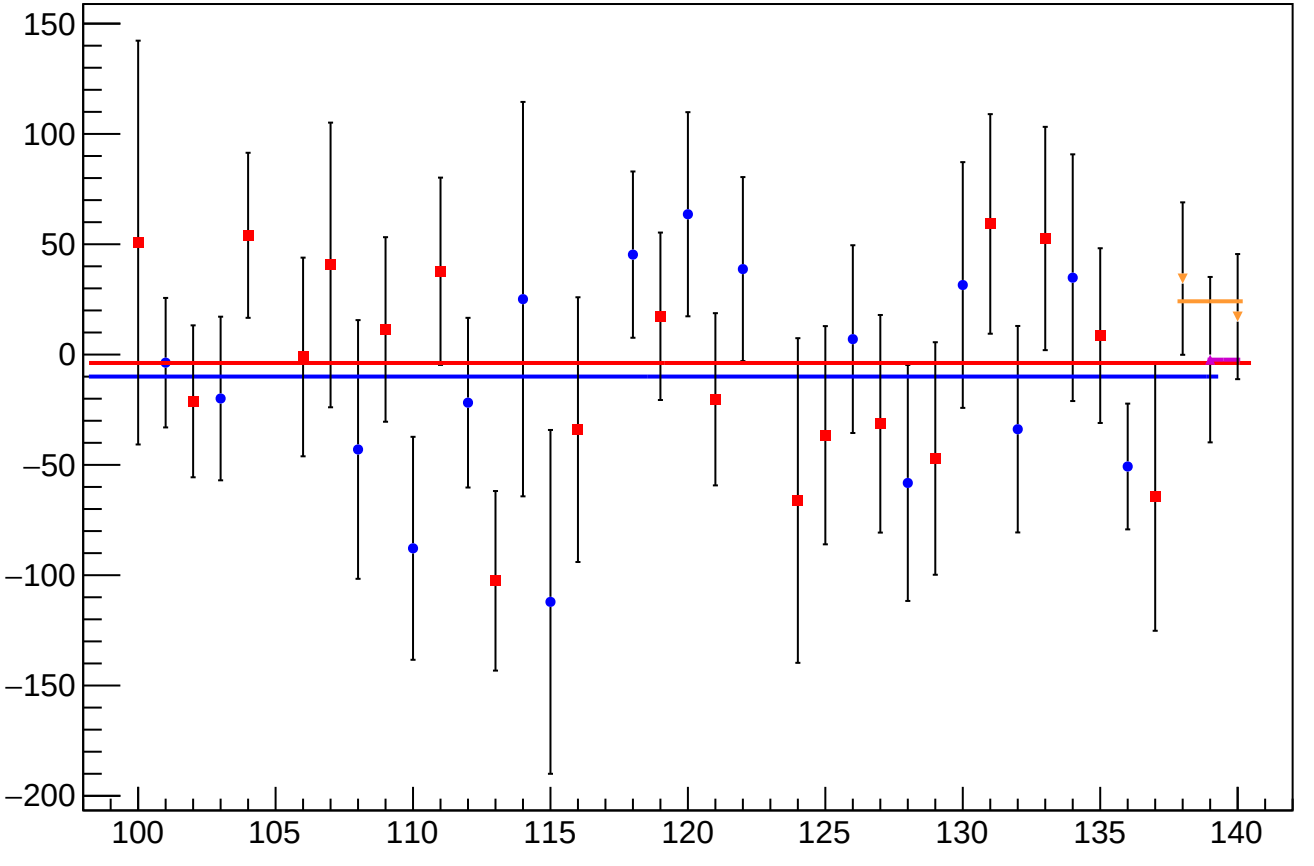
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29195.976+/-7.361 χ^2/NDF:319797.9/16

Out: 28686.515+/-6.766 χ^2/NDF:129749.3/20

All: 28919.835+/-4.981 χ^2/NDF: 452143.5/37

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 24.144+/-21.917 χ^2/NDF:0.1/1

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -2.307+/-37.488 χ^2/NDF:0.0/0

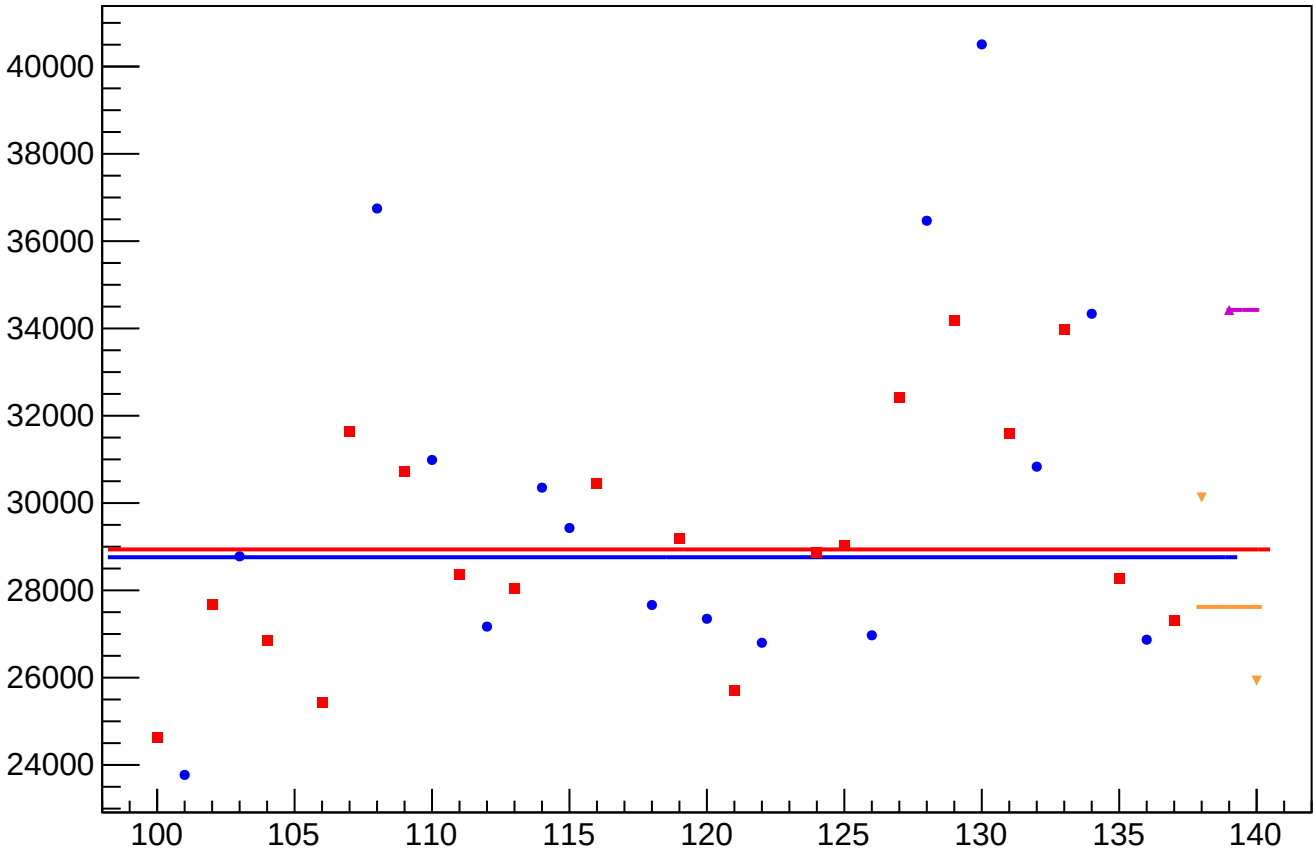
Left: 17.406+/-18.921 χ^2/NDF: 0.5/2

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -9.378+/-10.410 χ^2/NDF:15.3/16

Out: 1.516+/-9.569 χ^2/NDF:18.8/20

All: -3.474+/-7.045 χ^2/NDF: 34.7/37



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27620.247+/-15.498 χ^2/NDF:17634.8/1

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 34424.624+/-26.508 χ^2/NDF:0.0/0

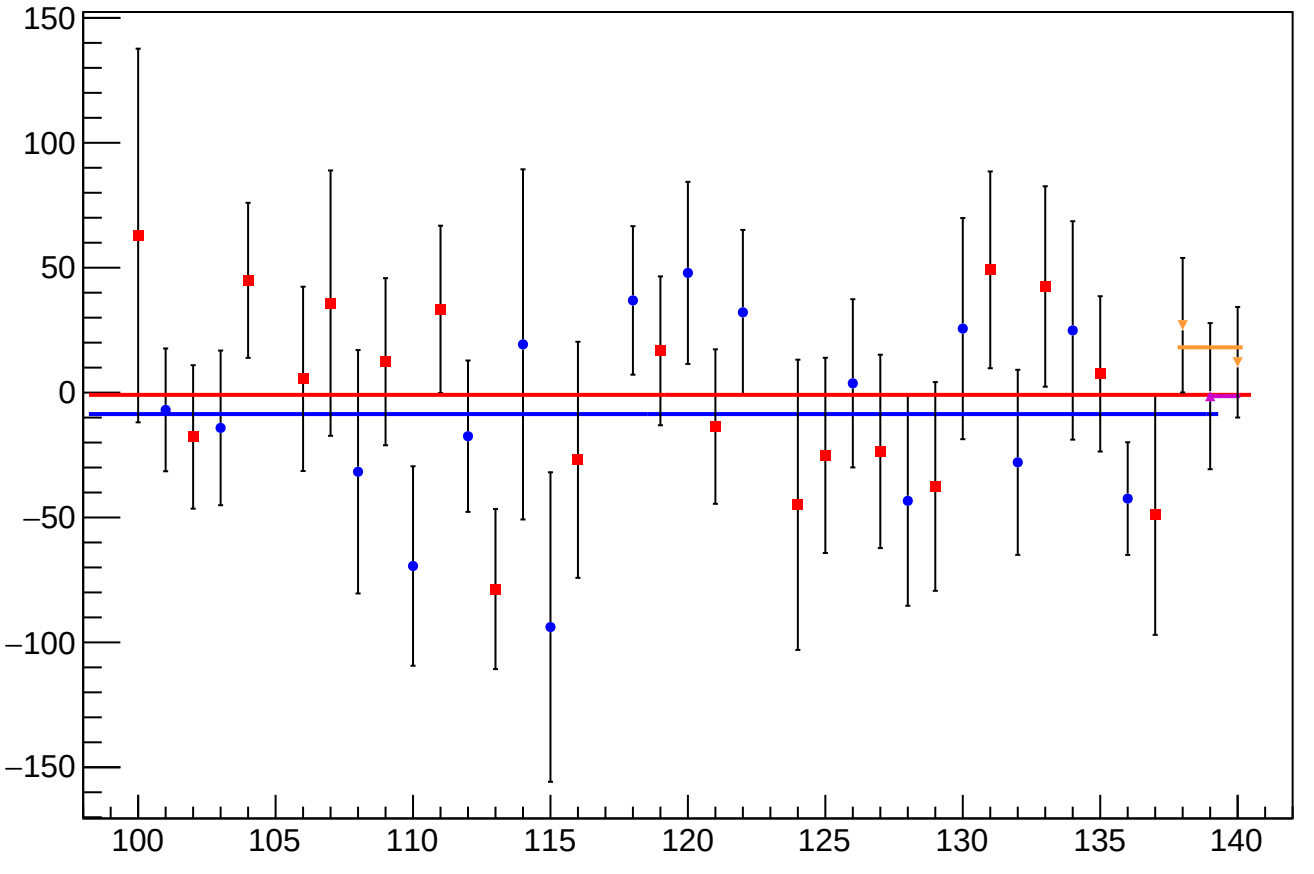
Left: 29353.577+/-13.379 χ^2/NDF: 66741.0/2

Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29195.976+/-7.361 χ^2/NDF:319797.9/16

Out: 28686.515+/-6.766 χ^2/NDF:129749.3/20

All: 28919.835+/-4.981 χ^2/NDF: 452143.5/37



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 18.127+/-17.100 χ^2/NDF:0.2/1

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -1.426+/-29.250 χ^2/NDF:0.0/0

Left: 13.147+/-14.762 χ^2/NDF: 0.5/2

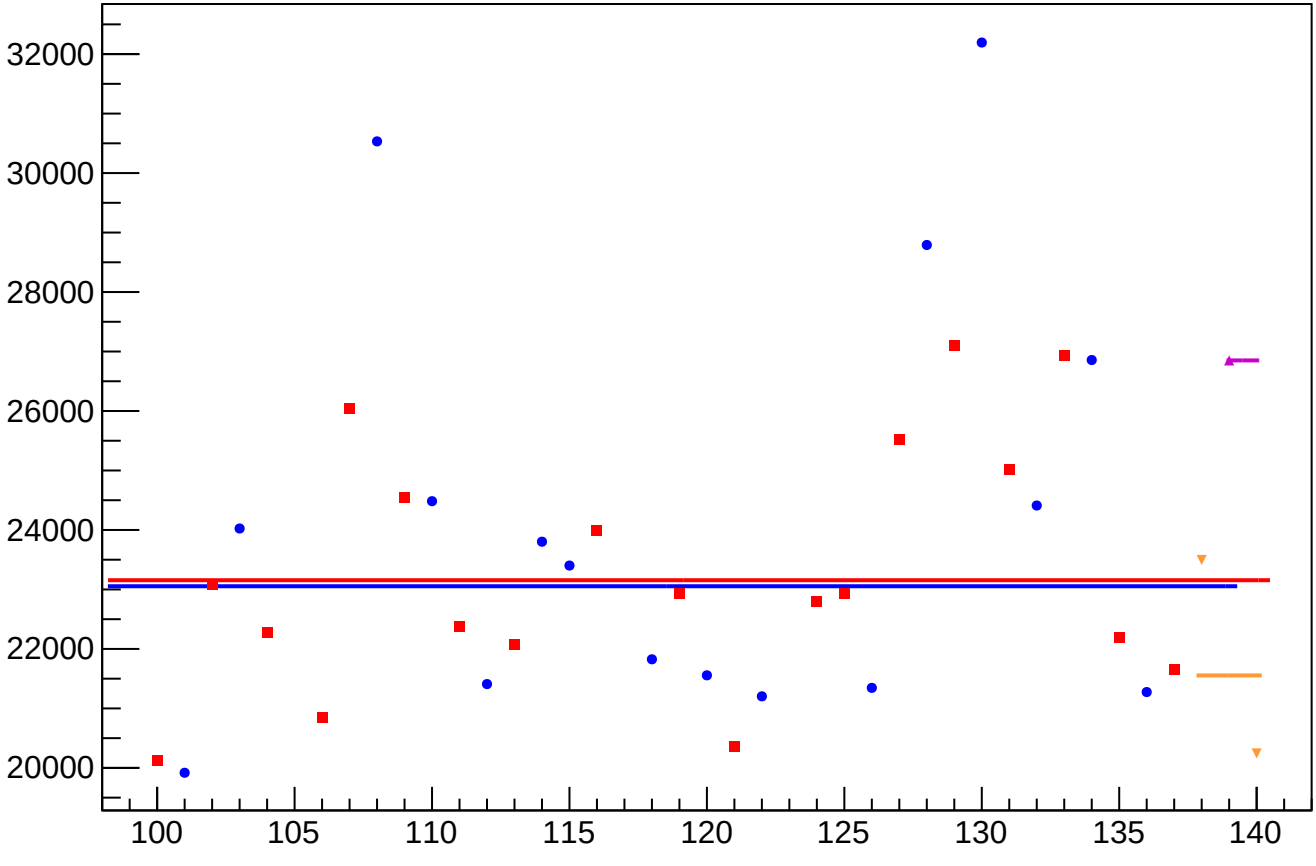
Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

In: -8.019+/-8.320 χ^2/NDF:15.6/16

Out: 2.871+/-7.616 χ^2/NDF:18.8/20

All: -2.094+/-5.618 χ^2/NDF: 35.3/37

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 21554.442+/-12.091 χ^2/NDF:17405.3/1

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 26850.494+/-20.683 χ^2/NDF:0.0/0

Left: 22903.389+/-10.439 χ^2/NDF: 66270.2/2

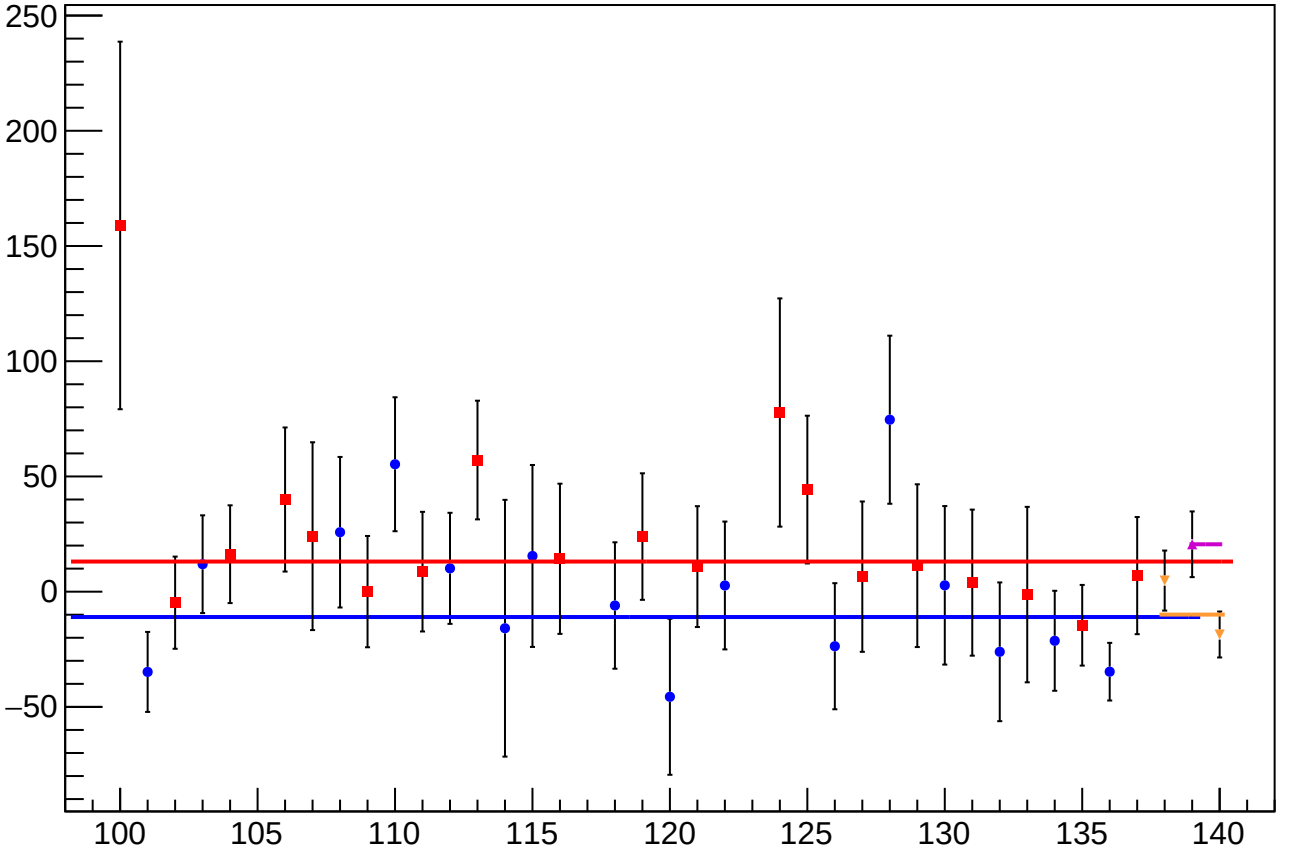
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 23361.075+/-5.883 χ^2/NDF:292412.8/16

Out: 22837.725+/-5.385 χ^2/NDF:125350.6/20

All: 23076.316+/-3.972 χ^2/NDF: 422069.2/37

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -9.944+/-7.916 χ^2/NDF:2.0/1

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 20.565+/-14.255 χ^2/NDF:0.0/0

Left: -2.753+/-6.921 χ^2/NDF: 5.5/2

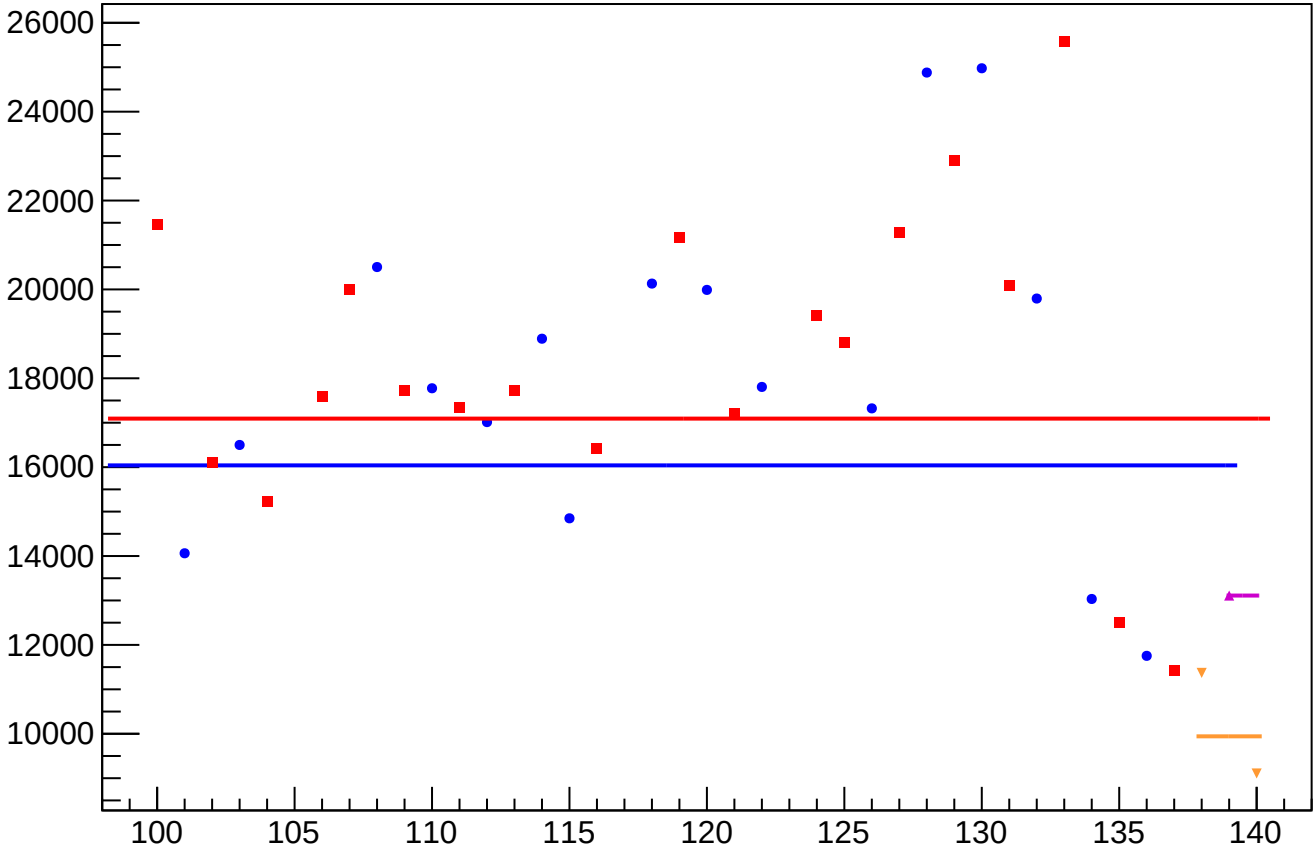
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -6.042+/-5.651 χ^2/NDF:26.2/16

Out: 4.005+/-4.968 χ^2/NDF:21.0/20

All: -0.376+/-3.731 χ^2/NDF: 49.0/37

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 9942.132+/-5.598 χ^2/NDF:38094.0/1

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 13110.403+/-10.080 χ^2/NDF:0.0/0

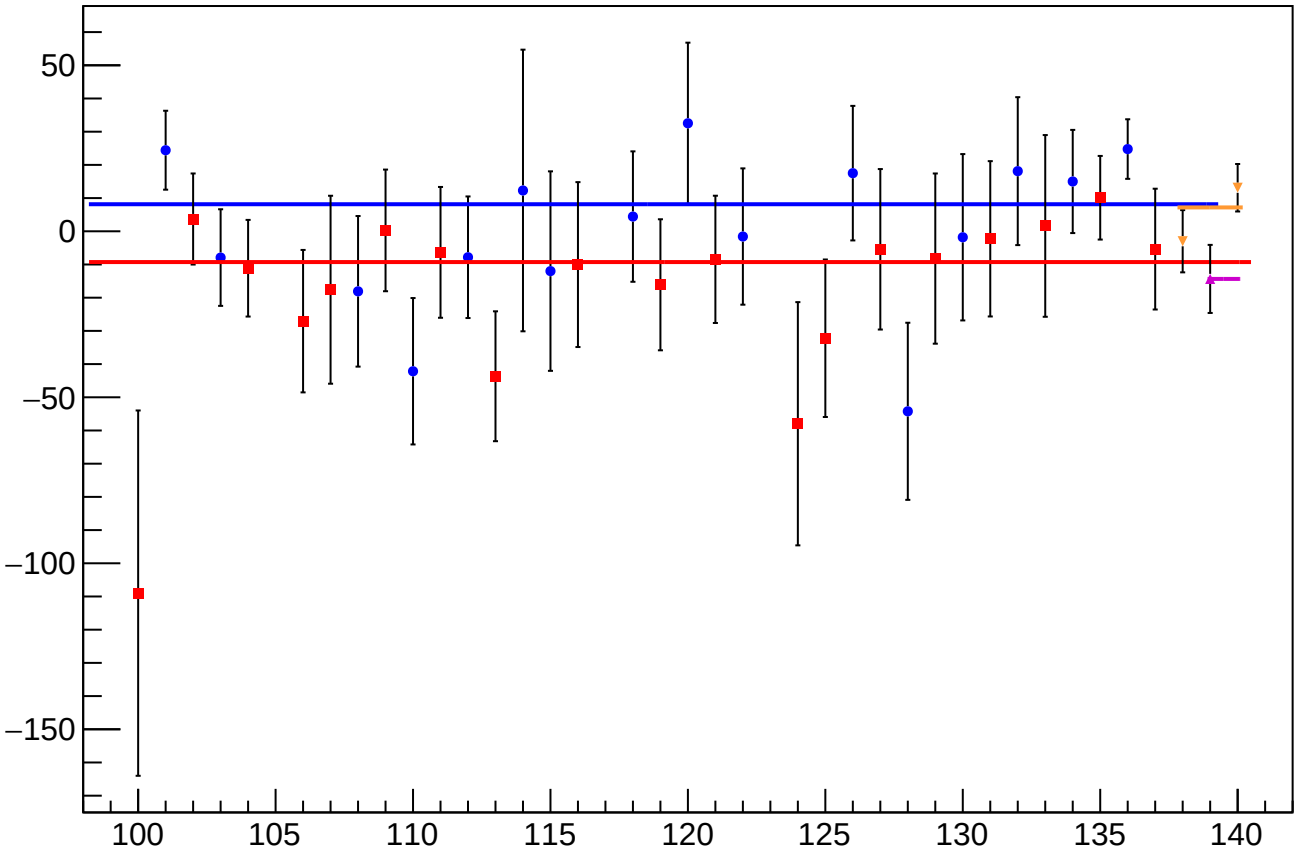
Left: 10688.910+/-4.894 χ^2/NDF: 113602.5/2

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 15579.718+/-3.996 χ^2/NDF:793879.5/16

Out: 14276.025+/-3.513 χ^2/NDF:1562562.0/20

All: 14844.457+/-2.638 χ^2/NDF: 2416482.0/3



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 7.188+/-5.685 χ^2/NDF:1.9/1

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -14.347+/-10.252 χ^2/NDF:0.0/0

Left: 2.124+/-4.972 χ^2/NDF: 5.2/2

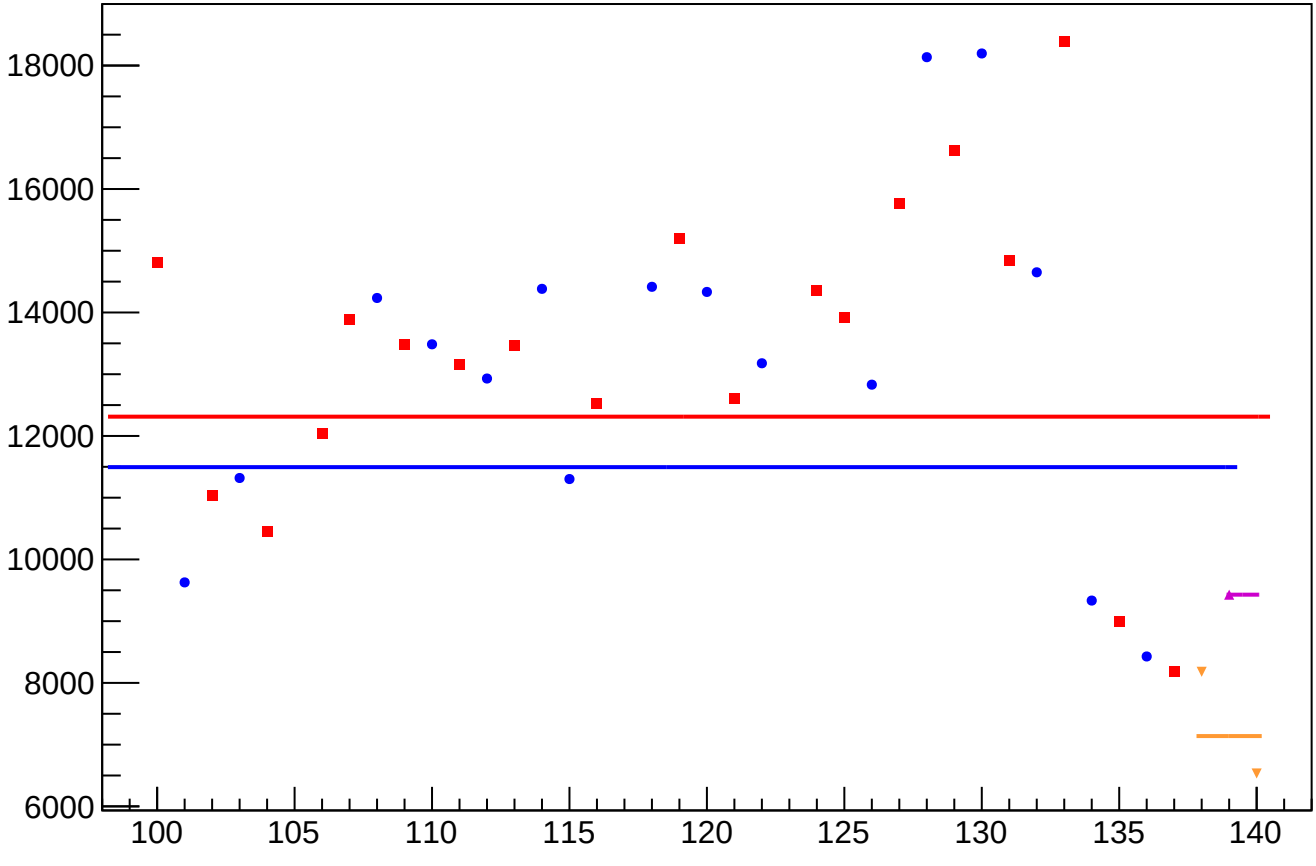
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 4.620+/-4.061 χ^2/NDF:25.8/16

Out: -2.746+/-3.579 χ^2/NDF:20.8/20

All: 0.475+/-2.685 χ^2/NDF: 48.5/37

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7138.709+/-4.020 χ^2/NDF:39044.8/1

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 9429.027+/-7.249 χ^2/NDF:0.0/0

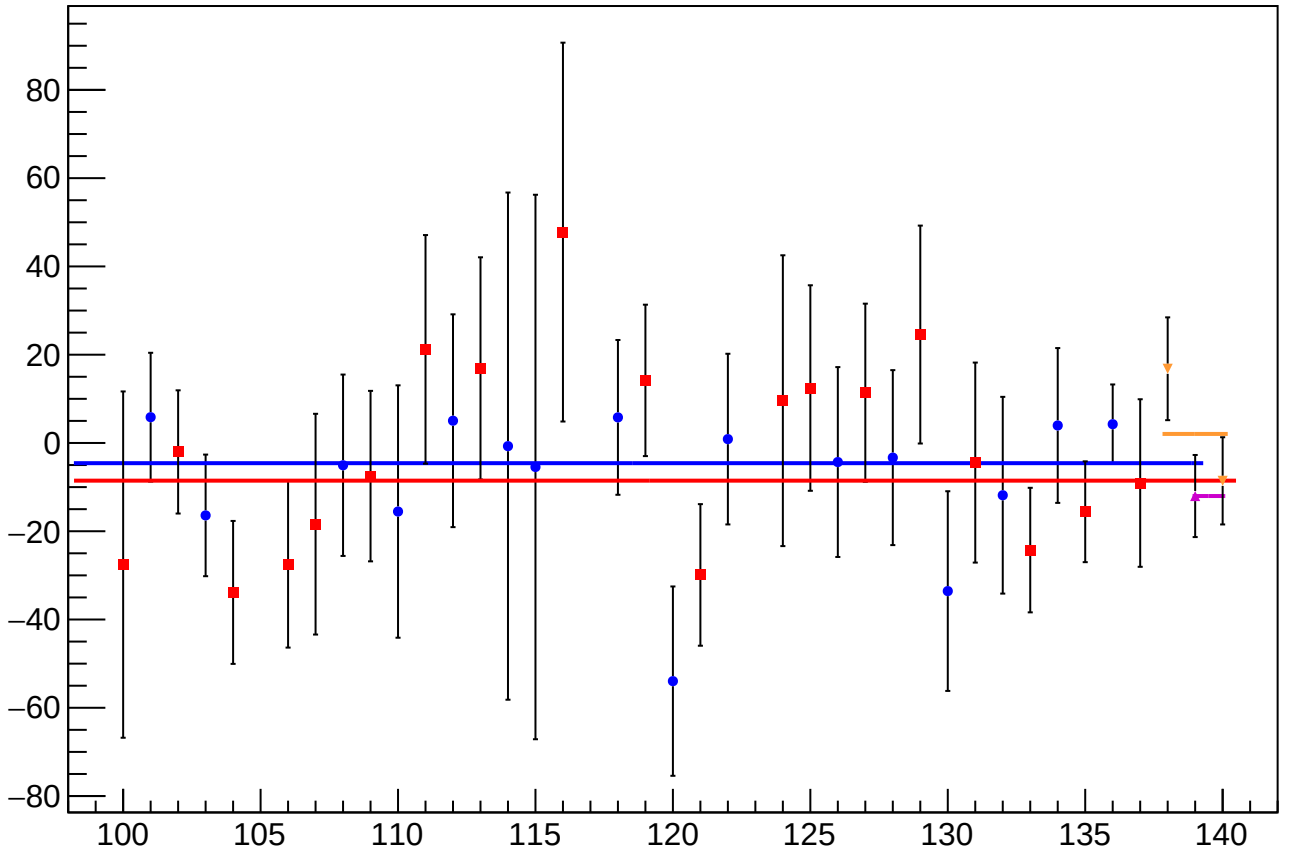
Left: 7677.342+/-3.516 χ^2/NDF: 115382.4/2

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 11170.814+/-2.872 χ^2/NDF:858460.0/16

Out: 10261.620+/-2.531 χ^2/NDF:1637622.6/20

All: 10659.127+/-1.899 χ^2/NDF: 2552500.1/3



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 2.046+/-7.535 χ^2/NDF:2.8/1

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -12.022+/-9.301 χ^2/NDF:0.0/0

Left: -3.528+/-5.855 χ^2/NDF: 4.1/2

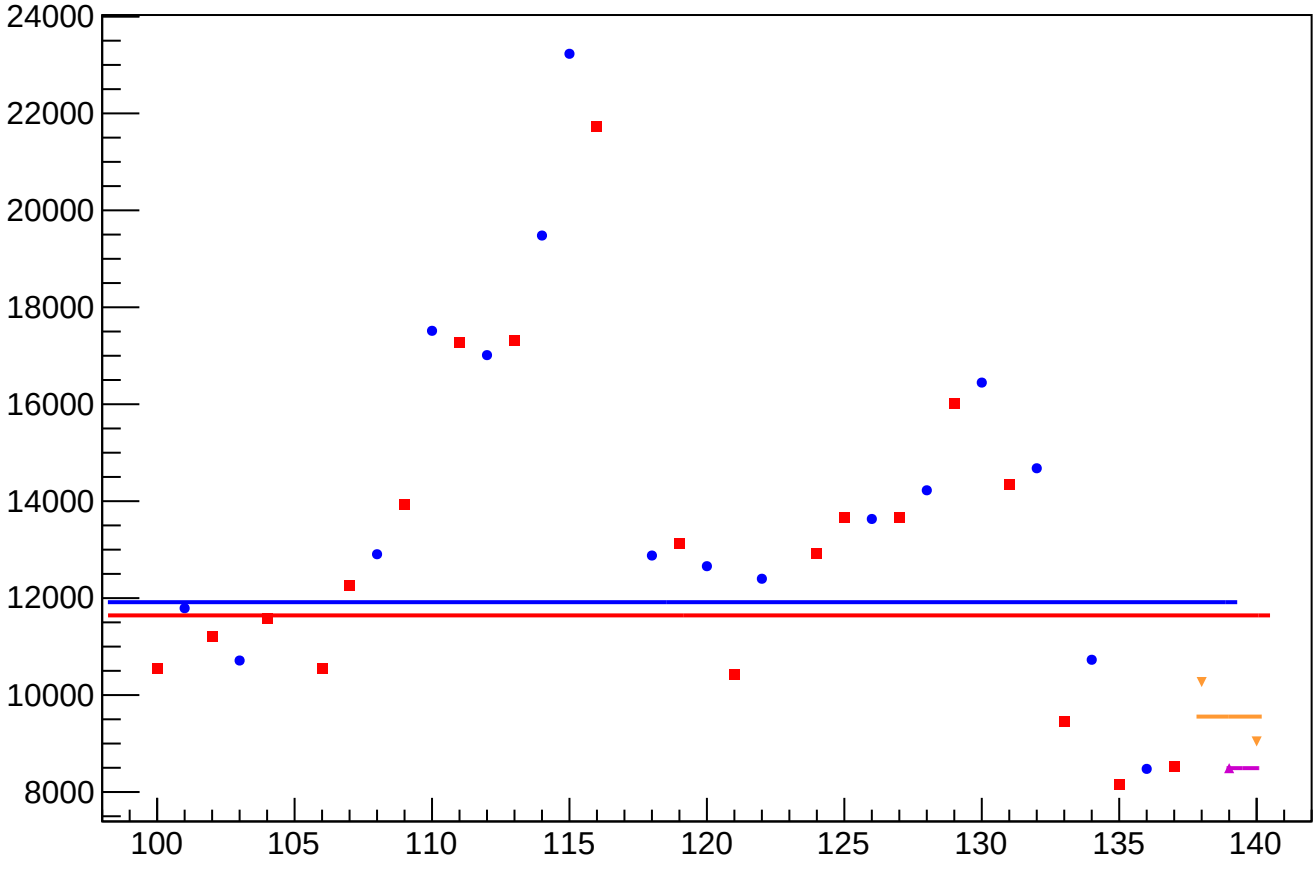
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -6.018+/-4.090 χ^2/NDF:10.8/16

Out: -5.853+/-3.795 χ^2/NDF:21.4/20

All: -5.929+/-2.782 χ^2/NDF: 32.2/37

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 9556.118+/-5.328 χ^2/NDF:12872.2/1

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 8492.488+/-6.577 χ^2/NDF:0.0/0

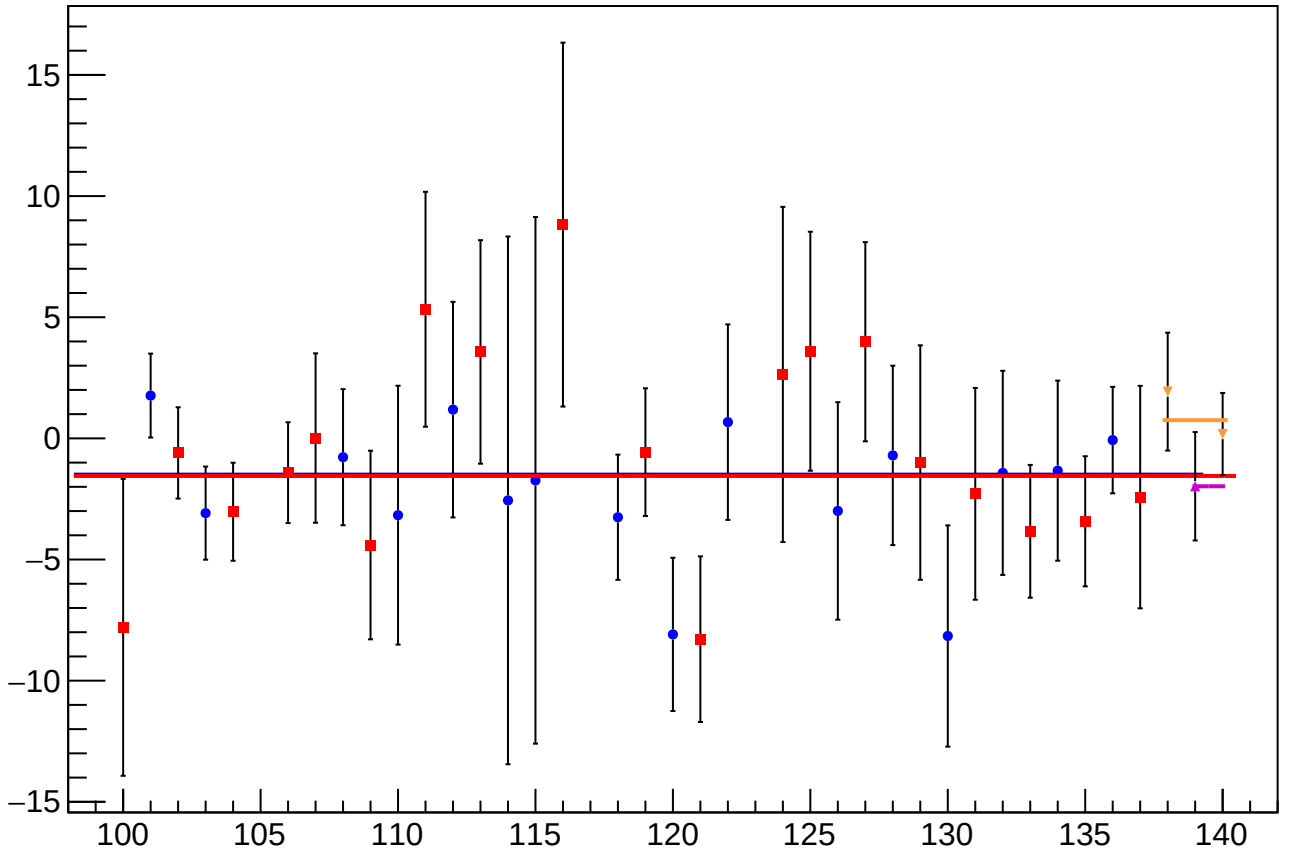
Left: 9134.677+/-4.140 χ^2/NDF: 28663.1/2

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11254.277+/-2.892 χ^2/NDF:968380.2/16

Out: 11114.182+/-2.683 χ^2/NDF:917807.3/20

All: 11178.987+/-1.967 χ^2/NDF: 1887448.4/3



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 0.751+/-1.391 χ^2/NDF:0.3/1

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.976+/-2.237 χ^2/NDF:0.0/0

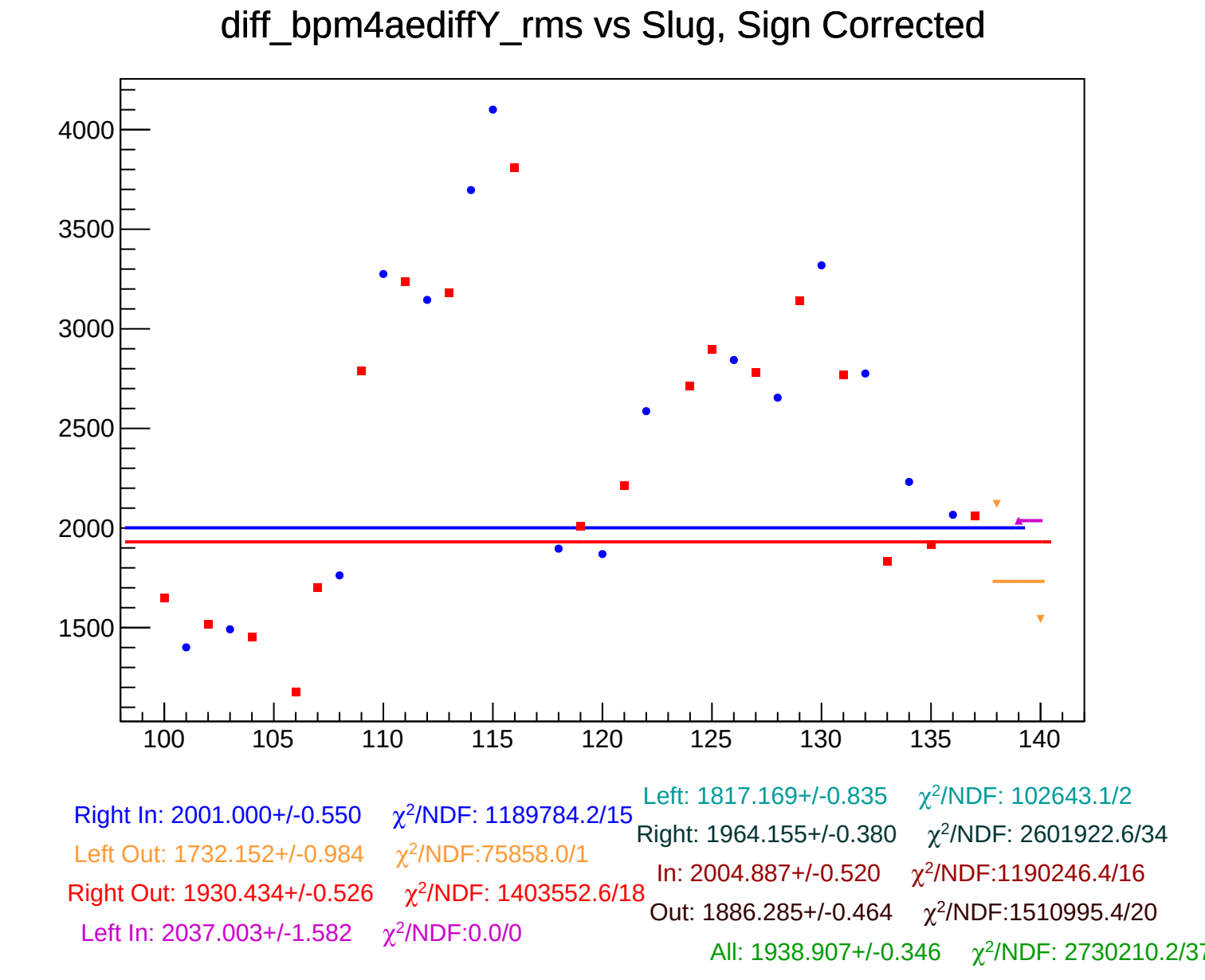
Left: -0.009+/-1.181 χ^2/NDF: 1.4/2

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

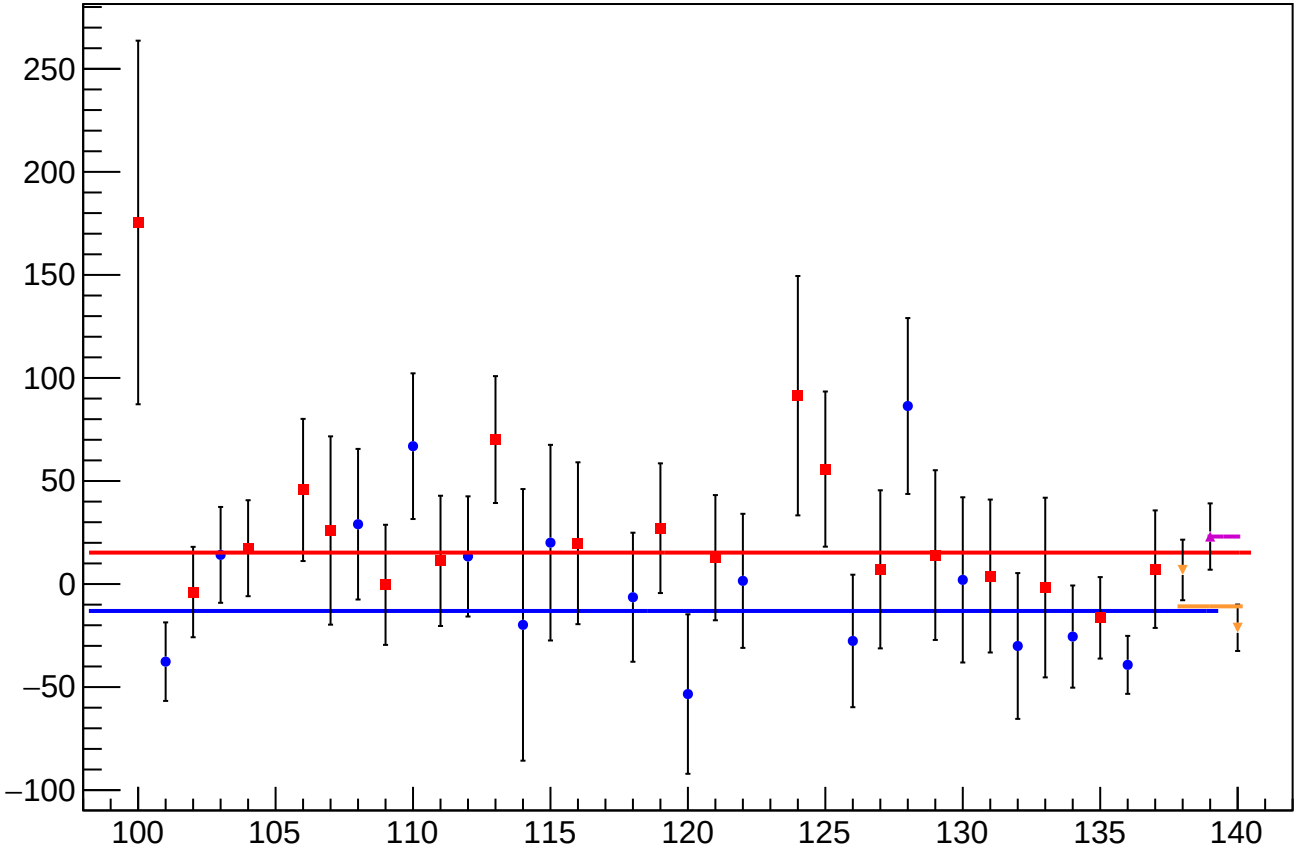
In: -1.548+/-0.735 χ^2/NDF:12.6/16

Out: -1.038+/-0.656 χ^2/NDF:18.8/20

All: -1.264+/-0.490 χ^2/NDF: 31.6/37


diff_bpm4aediffY_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
100
105
110
115
120
125
130
135
140
Right In: 2001.000+/-0.550 χ²/NDF: 1189784.2/15
Left Out: 1732.152+/-0.984 χ²/NDF:75858.0/1
Right Out: 1930.434+/-0.526 χ²/NDF: 1403552.6/18
Left In: 2037.003+/-1.582 χ²/NDF:0.0/0
Left: 1817.169+/-0.835 χ²/NDF: 102643.1/2
Right: 1964.155+/-0.380 χ²/NDF: 2601922.6/34
In: 2004.887+/-0.520 χ²/NDF:1190246.4/16
Out: 1886.285+/-0.464 χ²/NDF:1510995.4/20
All: 1938.907+/-0.346 χ²/NDF: 2730210.2/37

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -10.827+/-8.941 χ^2/NDF:2.3/1

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 23.045+/-16.092 χ^2/NDF:0.0/0

Left: -2.837+/-7.816 χ^2/NDF: 5.7/2

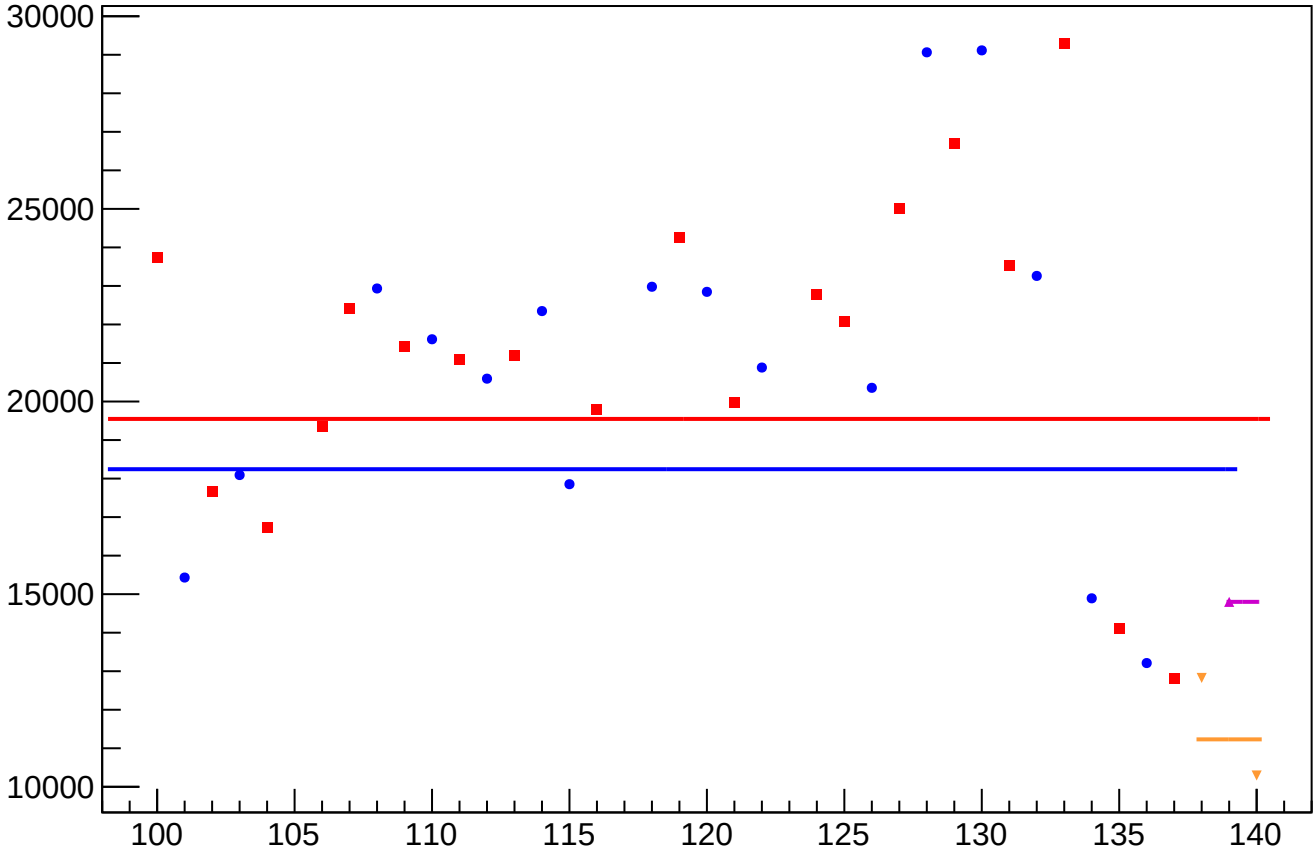
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -7.284+/-6.439 χ^2/NDF:26.1/16

Out: 4.786+/-5.664 χ^2/NDF:21.7/20

All: -0.479+/-4.253 χ^2/NDF: 49.8/37

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11231.050+/-6.322 χ^2/NDF:37392.8/1

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 14800.328+/-11.379 χ^2/NDF:0.0/0

Left: 12073.012+/-5.527 χ^2/NDF: 112572.4/2

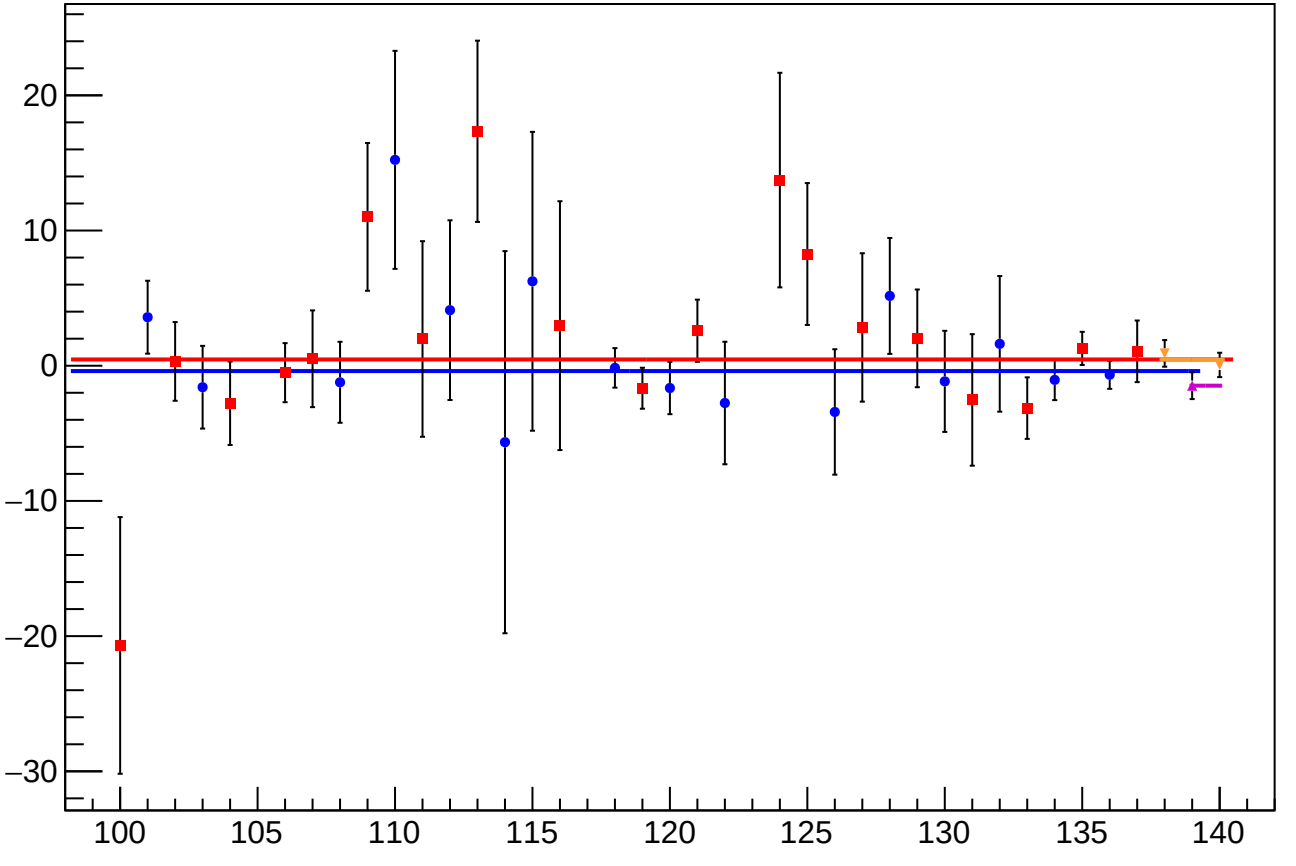
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 17692.057+/-4.553 χ^2/NDF:896720.6/16

Out: 16210.479+/-4.005 χ^2/NDF:1695189.0/20

All: 16856.788+/-3.007 χ^2/NDF: 2651599.2/3

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.448+/-0.665 χ^2/NDF:0.4/1

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: -1.476+/-0.991 χ^2/NDF:0.0/0

Left: -0.149+/-0.552 χ^2/NDF: 3.0/2

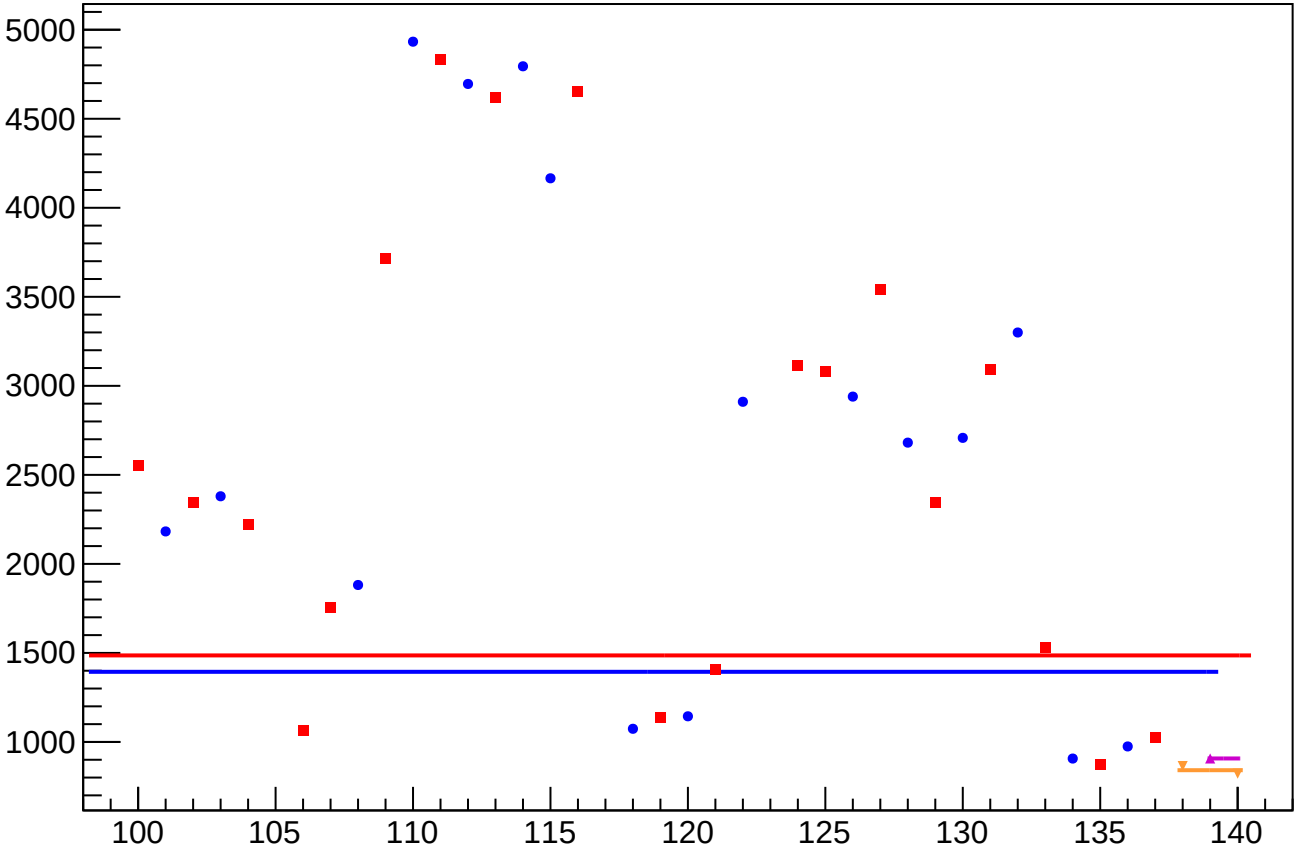
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.685+/-0.513 χ^2/NDF:11.3/16

Out: 0.457+/-0.459 χ^2/NDF:28.5/20

All: -0.050+/-0.342 χ^2/NDF: 42.5/37

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 841.334+/-0.470 χ^2/NDF:2071.3/1

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 907.246+/-0.700 χ^2/NDF:0.0/0

Left: 861.795+/-0.390 χ^2/NDF: 8178.2/2

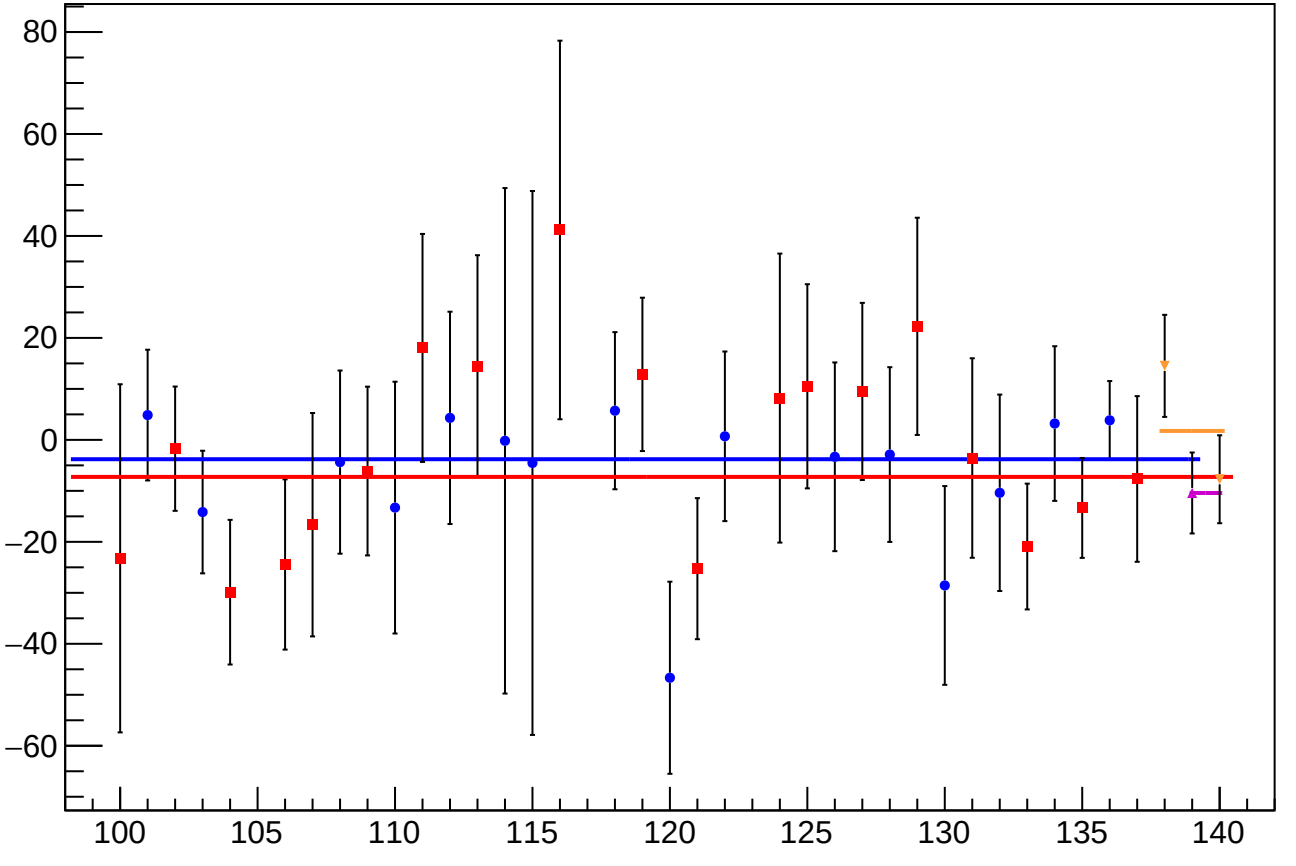
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 1263.233+/-0.363 χ^2/NDF:3734167.6/16

Out: 1178.886+/-0.324 χ^2/NDF:4386296.9/20

All: 1216.338+/-0.242 χ^2/NDF: 8150492.6/37

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 1.752+/-6.533 χ^2/NDF:2.8/1

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -10.417+/-7.939 χ^2/NDF:0.0/0

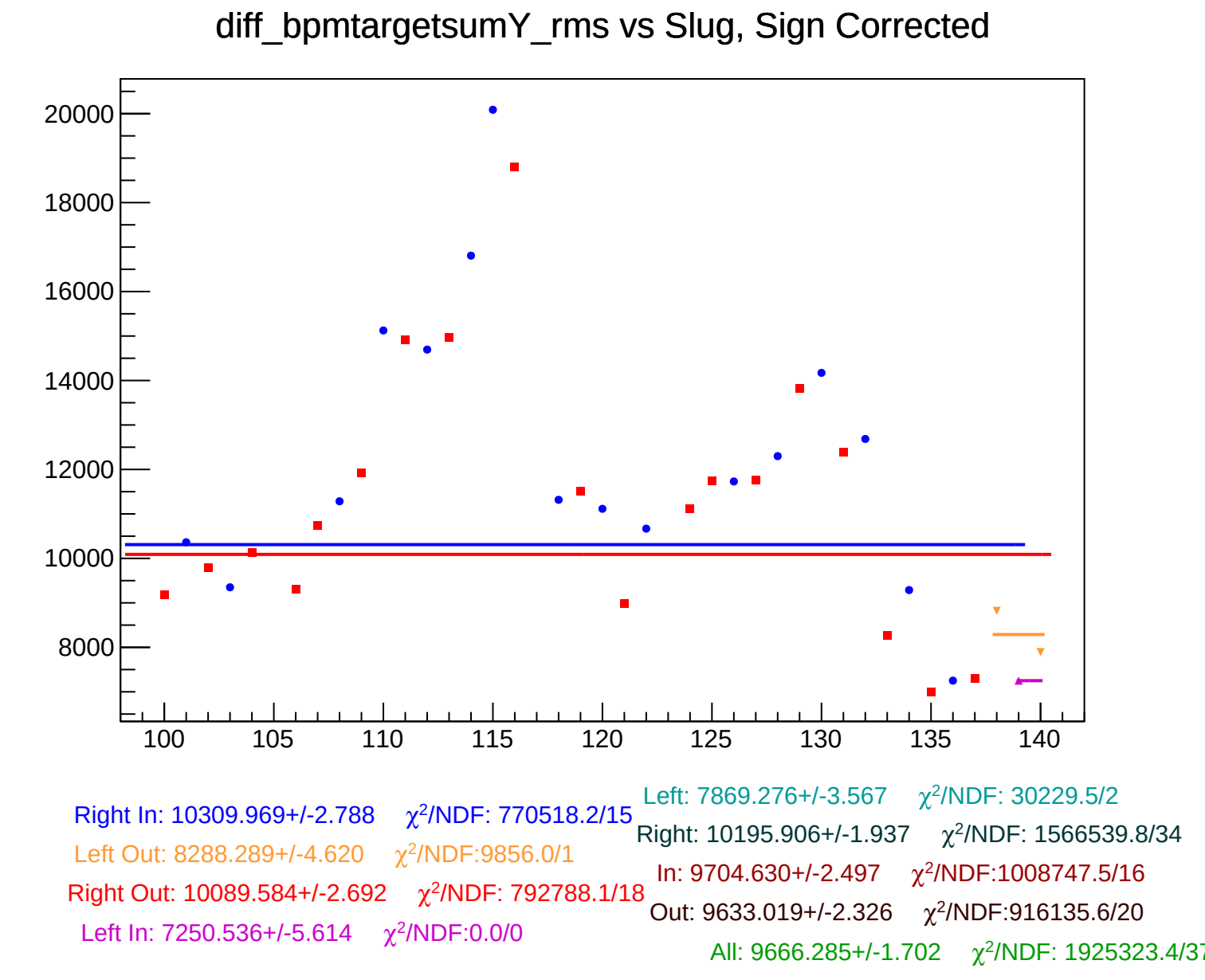
Left: -3.161+/-5.045 χ^2/NDF: 4.2/2

Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

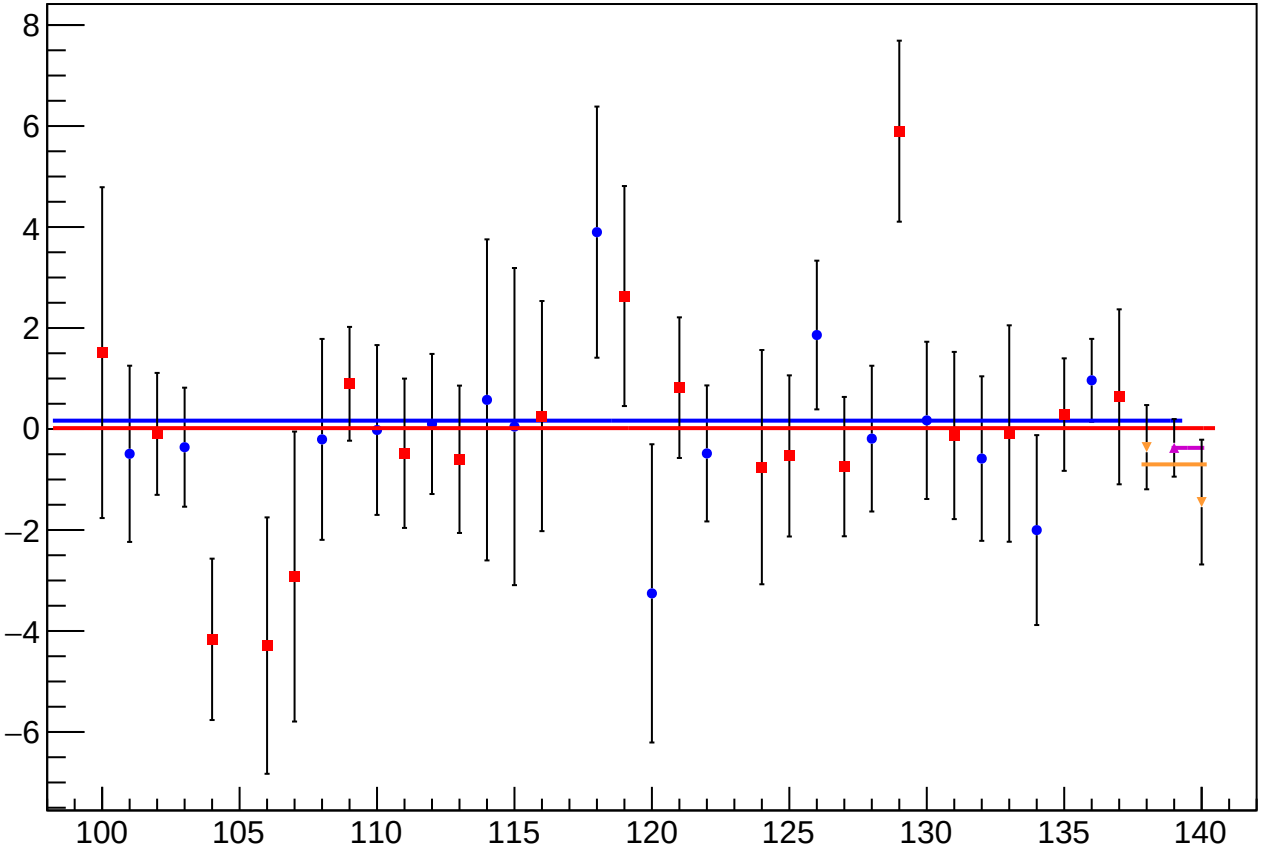
In: -5.105+/-3.532 χ^2/NDF:10.6/16

Out: -4.979+/-3.289 χ^2/NDF:21.5/20

All: -5.037+/-2.407 χ^2/NDF: 32.1/37


diff_bpmtargetsumY_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 8288.289+/-4.620 χ²/NDF:9856.0/1
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 7250.536+/-5.614 χ²/NDF:0.0/0
Left: 7869.276+/-3.567 χ²/NDF: 30229.5/2
Right: 10195.906+/-1.937 χ²/NDF: 1566539.8/34
In: 9704.630+/-2.497 χ²/NDF:1008747.5/16
Out: 9633.019+/-2.326 χ²/NDF:916135.6/20
All: 9666.285+/-1.702 χ²/NDF: 1925323.4/37

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.700+/-0.691 χ^2/NDF:0.5/1

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: -0.373+/-0.570 χ^2/NDF:0.0/0

Left: -0.506+/-0.440 χ^2/NDF: 0.7/2

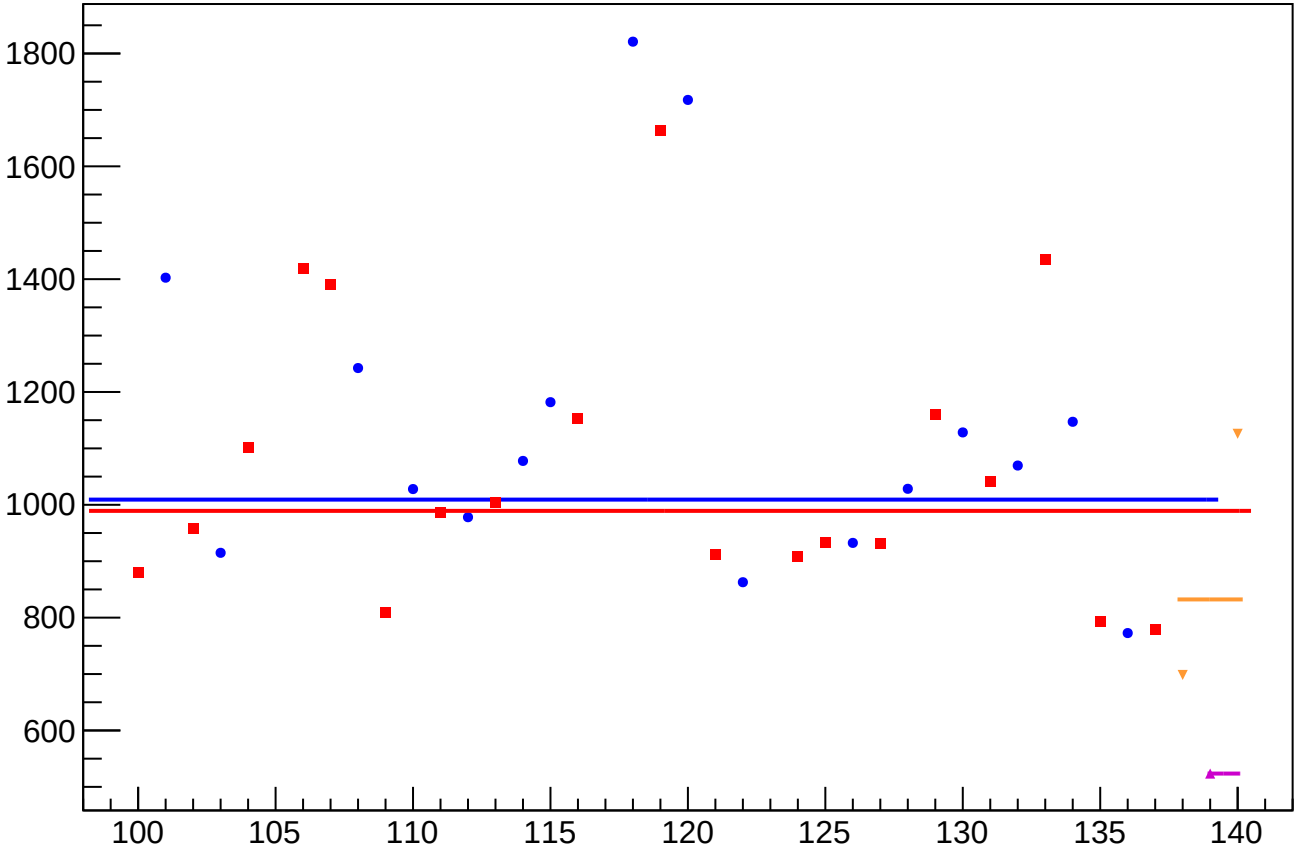
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: -0.004+/-0.320 χ^2/NDF:8.7/16

Out: -0.144+/-0.328 χ^2/NDF:26.5/20

All: -0.072+/-0.229 χ^2/NDF: 35.4/37

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 832.268+/-0.489 χ^2/NDF:164492.0/1

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 523.582+/-0.403 χ^2/NDF:0.0/0

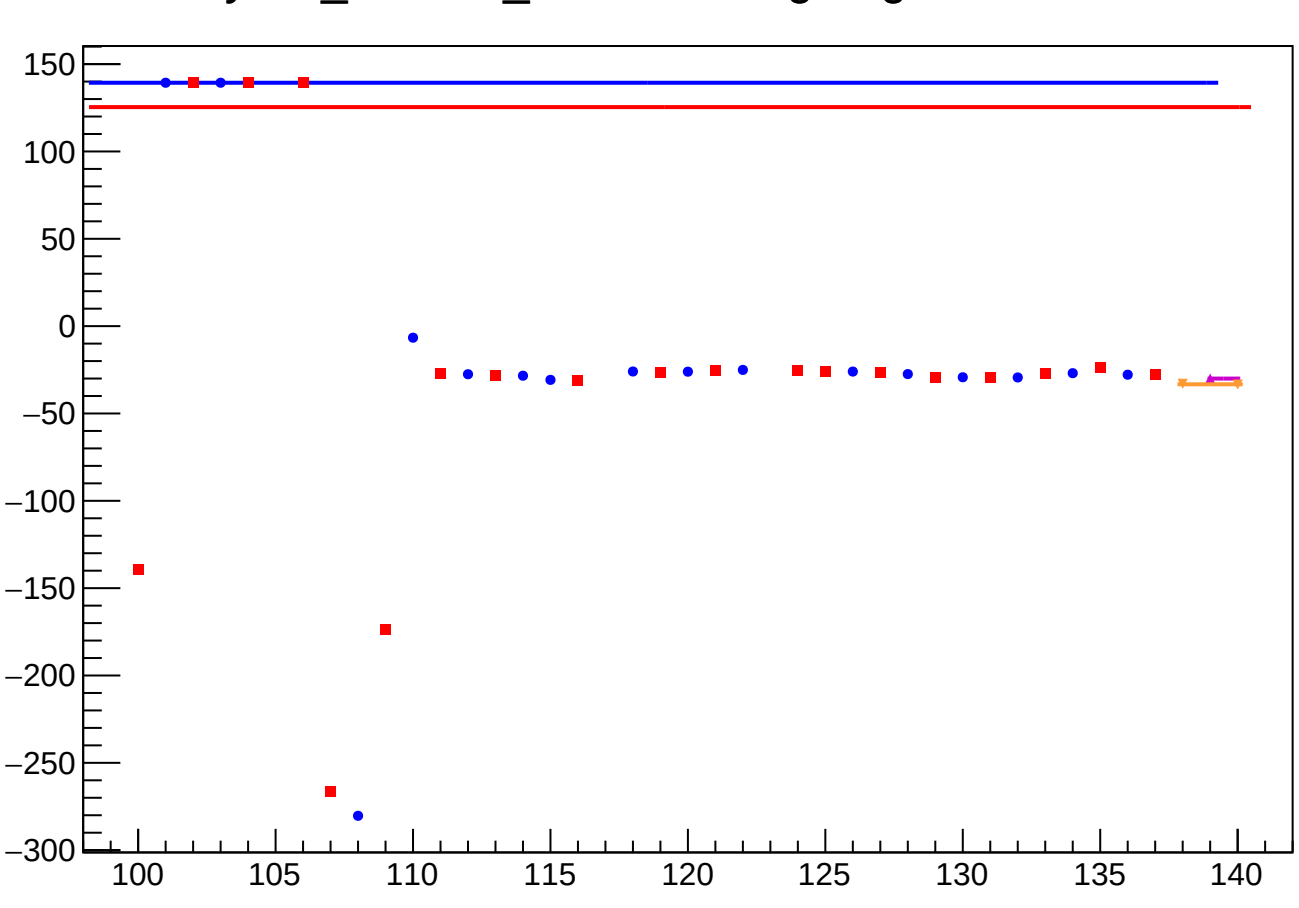
Left: 648.575+/-0.311 χ^2/NDF: 401752.4/2

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

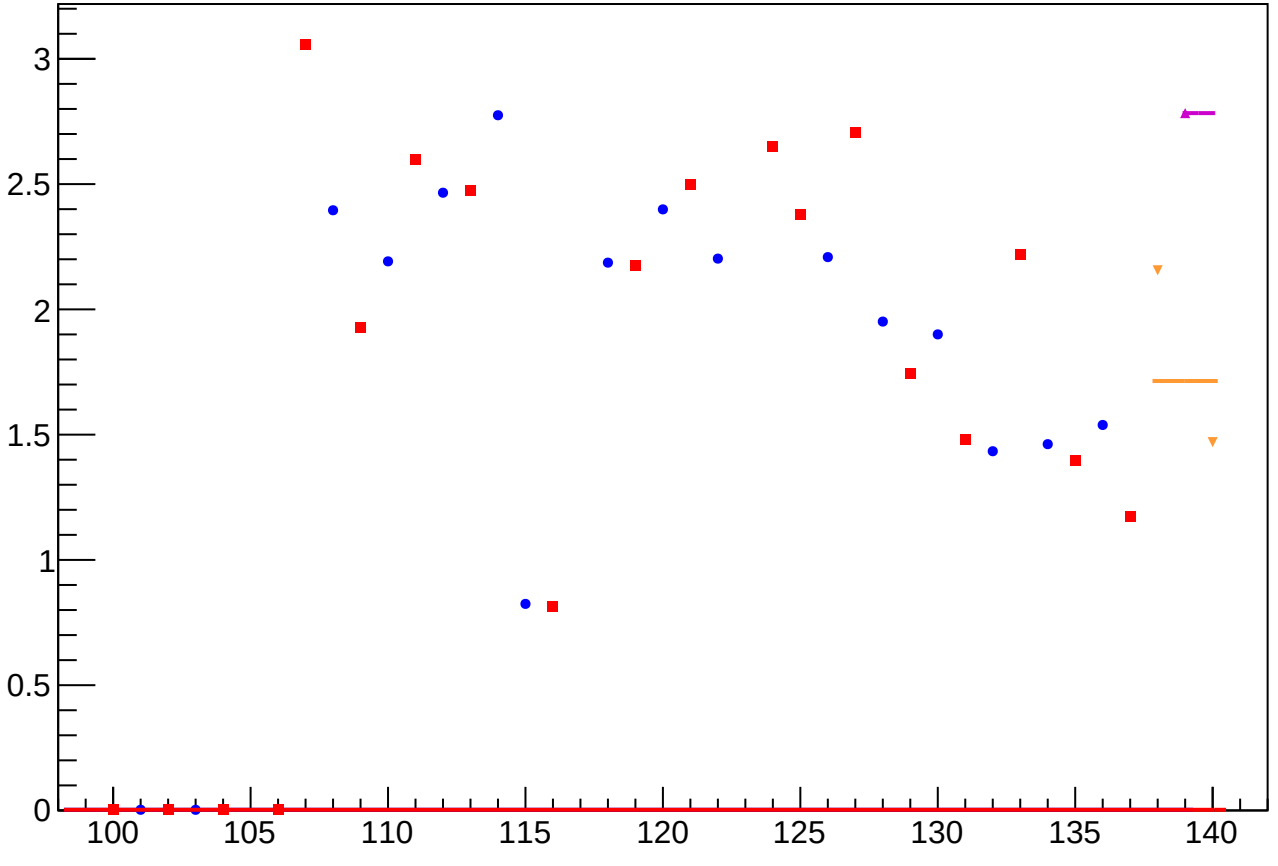
In: 856.476+/-0.226 χ^2/NDF:1693430.9/16

Out: 953.969+/-0.232 χ^2/NDF:820188.1/20

All: 904.032+/-0.162 χ^2/NDF: 2604264.9/37


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
105
110
115
120
125
130
135
140
Right In: 139.337+/-0.000 χ²/NDF: 47088045550.1/15
Left Out: -33.295+/-0.002 χ²/NDF:18342.4/1
Right Out: 125.392+/-0.000 χ²/NDF: 774173119844052.5/18
Left In: -30.019+/-0.003 χ²/NDF:0.0/0
Left: -32.607+/-0.001 χ²/NDF: 916150.1/2
Right: 131.818+/-0.000 χ²/NDF: 793004999492497
In: 139.337+/-0.000 χ²/NDF:50123784048.1/16
Out: 125.391+/-0.000 χ²/NDF:774183152870187.
All: 131.818+/-0.000 χ²/NDF: 79301863378

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.714+/-0.001 χ^2/NDF:85951.5/1

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 2.783+/-0.002 χ^2/NDF:0.0/0

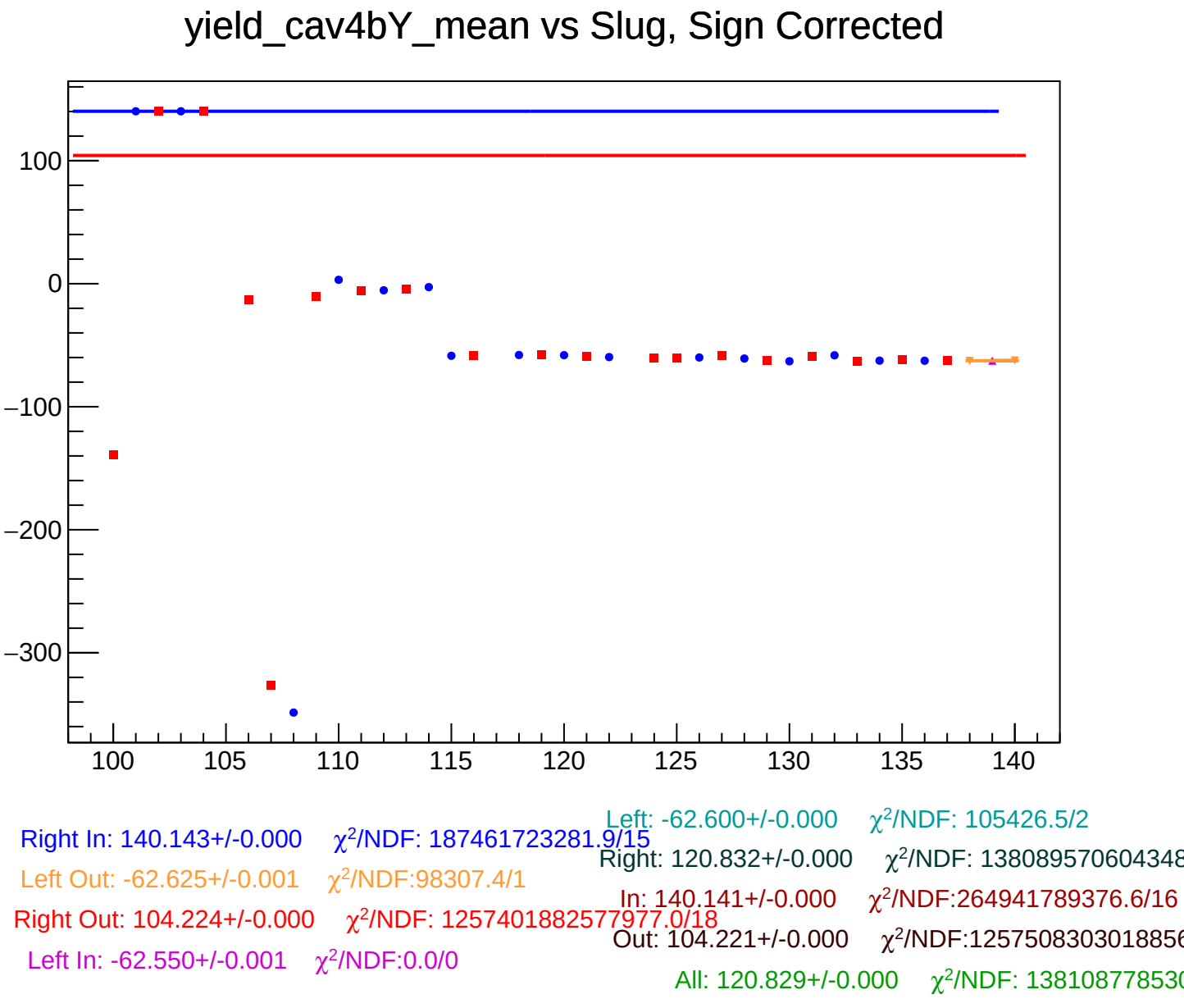
Left: 1.939+/-0.001 χ^2/NDF: 277144.3/2

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

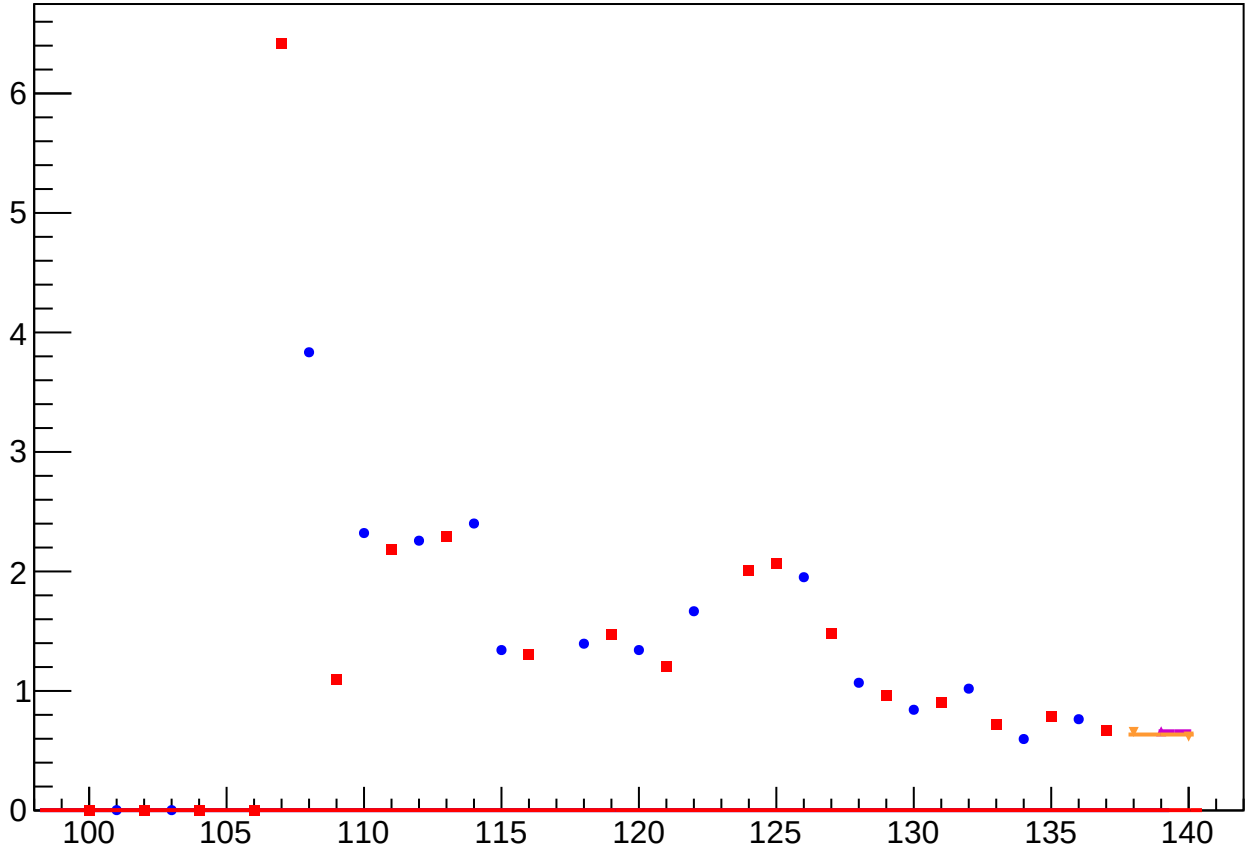
In: 0.003+/-0.000 χ^2/NDF:11202487.6/16

Out: 0.003+/-0.000 χ^2/NDF:12154074.3/20

All: 0.003+/-0.000 χ^2/NDF: 23356726.7/37


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
105
110
115
120
125
130
135
140
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -62.625+/-0.001 χ²/NDF:98307.4/1
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -62.550+/-0.001 χ²/NDF:0.0/0
Left: -62.600+/-0.000 χ²/NDF: 105426.5/2
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.141+/-0.000 χ²/NDF:264941789376.6/16
Out: 104.221+/-0.000 χ²/NDF:125750830301885
All: 120.829+/-0.000 χ²/NDF: 13810877853

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.635+/-0.000 χ^2/NDF:2866.7/1

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.662+/-0.001 χ^2/NDF:0.0/0

Left: 0.644+/-0.000 χ^2/NDF: 4698.2/2

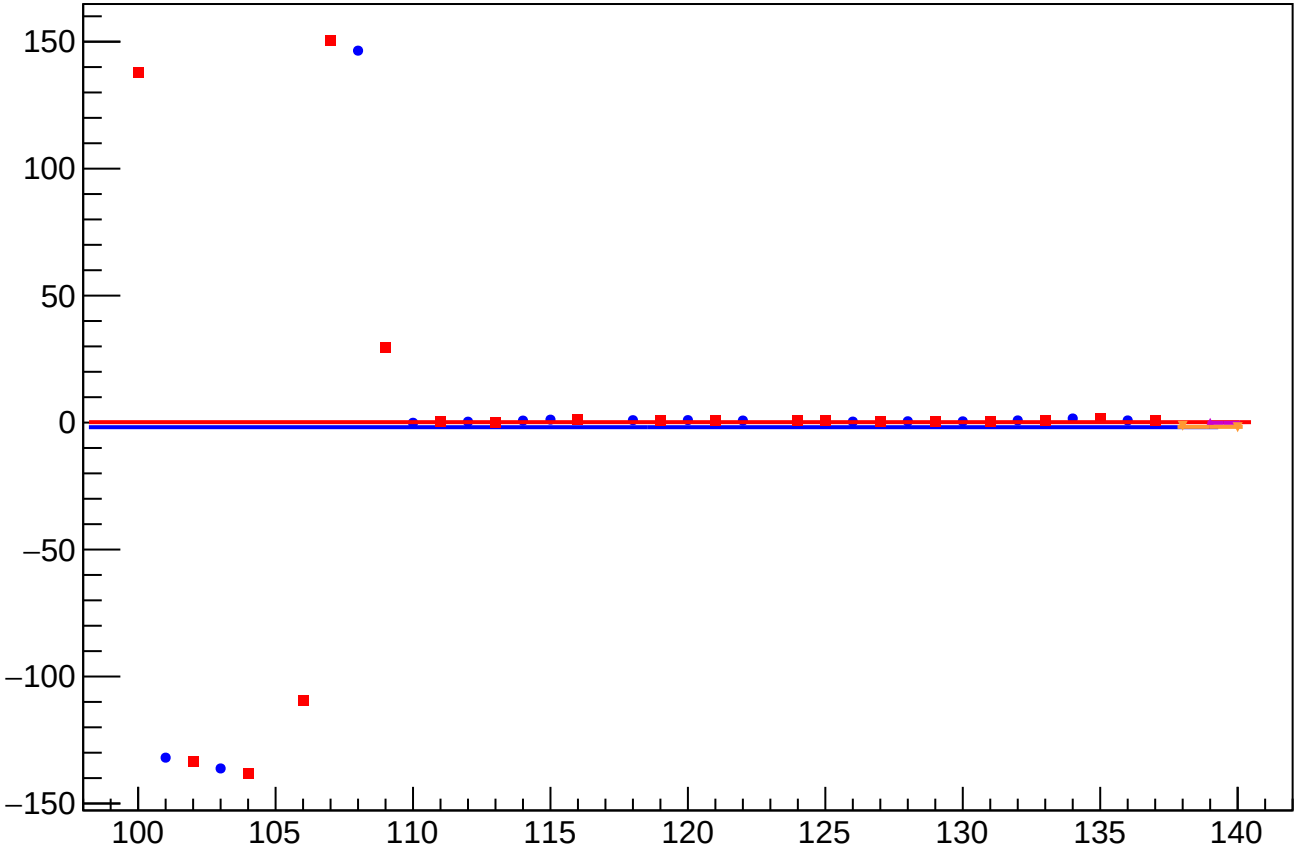
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:12219965.1/16

Out: 0.003+/-0.000 χ^2/NDF:13330770.1/20

All: 0.003+/-0.000 χ^2/NDF: 25550887.1/37

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -1.692+/-0.001 χ^2/NDF:240760.5/1

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: -0.089+/-0.001 χ^2/NDF:0.0/0

Left: -1.435+/-0.000 χ^2/NDF: 1772340.2/2

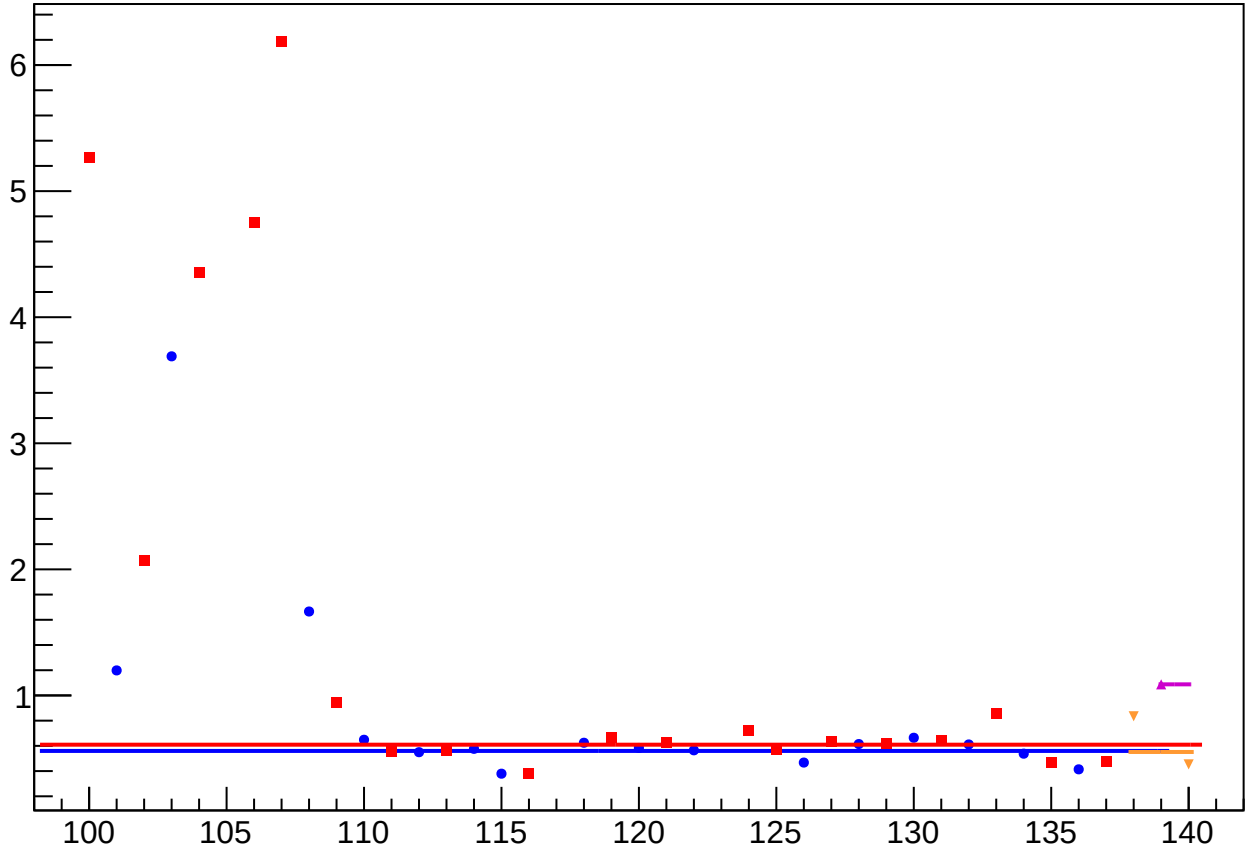
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.745+/-0.000 χ^2/NDF:9889209400.2/16

Out: -0.238+/-0.000 χ^2/NDF:3621502094.9/20

All: -0.986+/-0.000 χ^2/NDF: 13529969359.5/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.552+/-0.000 χ^2/NDF:206749.0/1

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 1.088+/-0.001 χ^2/NDF:0.0/0

Left: 0.638+/-0.000 χ^2/NDF: 549677.3/2

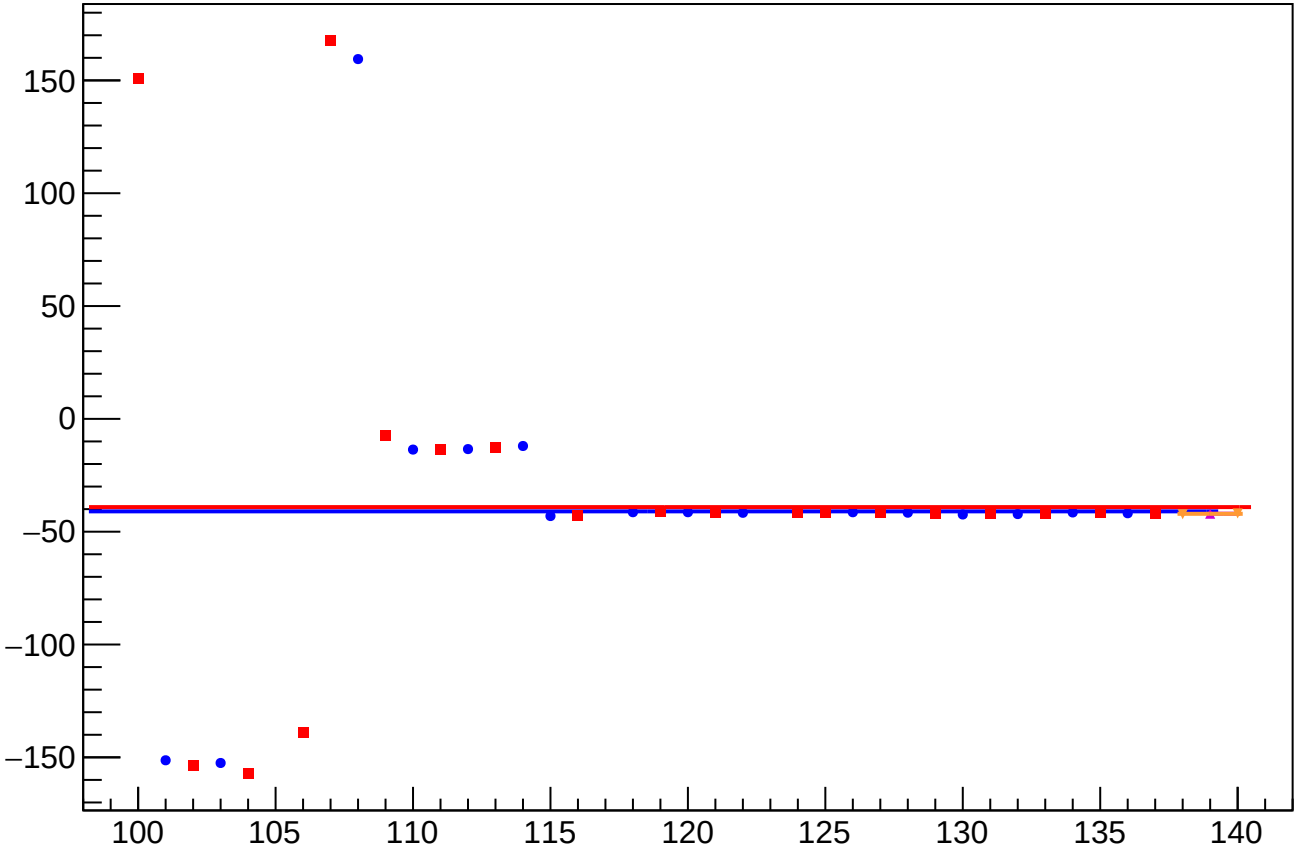
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.582+/-0.000 χ^2/NDF:1977823.9/16

Out: 0.597+/-0.000 χ^2/NDF:2702149.1/20

All: 0.590+/-0.000 χ^2/NDF: 4683647.9/37

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -42.073+/-0.000 χ^2/NDF:211878.1/1

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -42.024+/-0.001 χ^2/NDF:0.0/0

Left: -42.057+/-0.000 χ^2/NDF: 216982.5/2

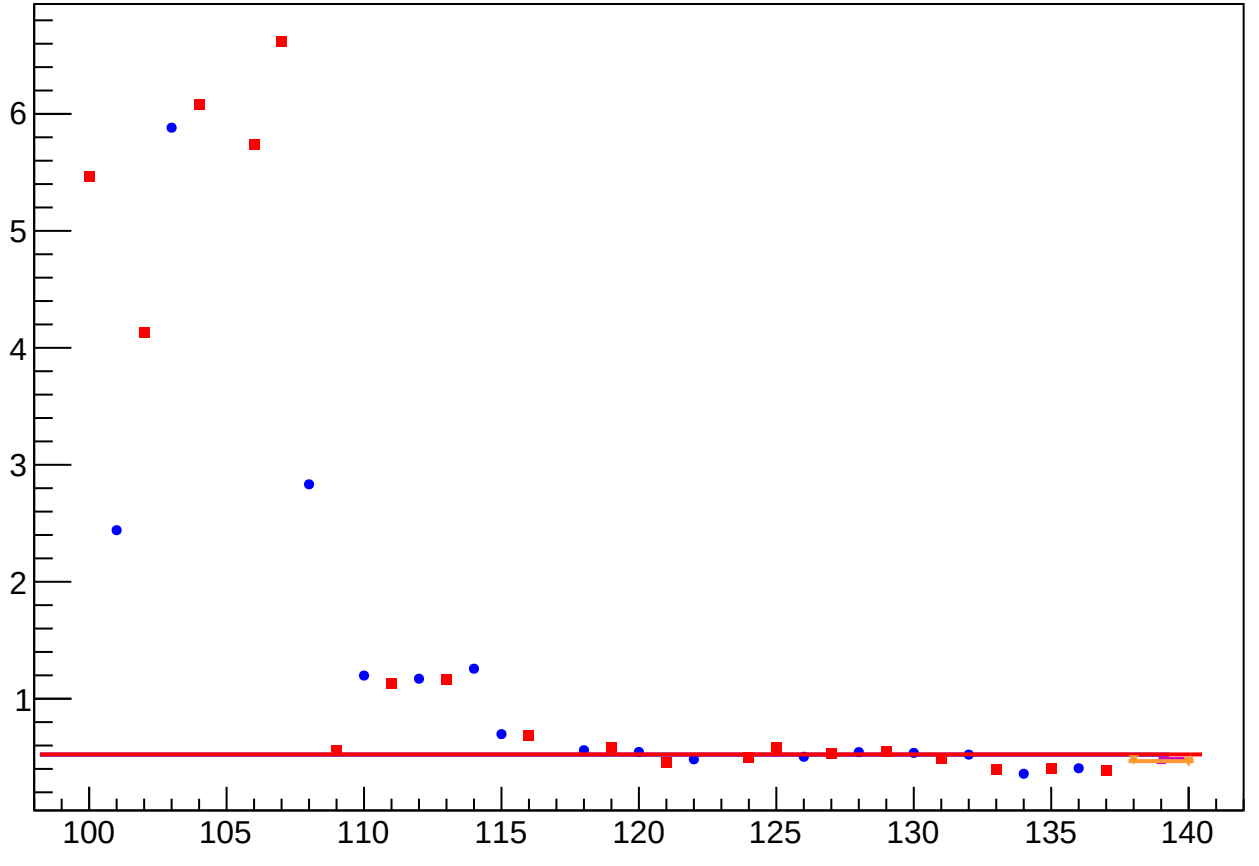
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.140+/-0.000 χ^2/NDF:3452555749.1/16

Out: -39.884+/-0.000 χ^2/NDF:2522047624.5/20

All: -40.476+/-0.000 χ^2/NDF: 5992661702.5/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.467+/-0.000 χ^2/NDF:844.5/1

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.485+/-0.000 χ^2/NDF:0.0/0

Left: 0.473+/-0.000 χ^2/NDF: 2199.3/2

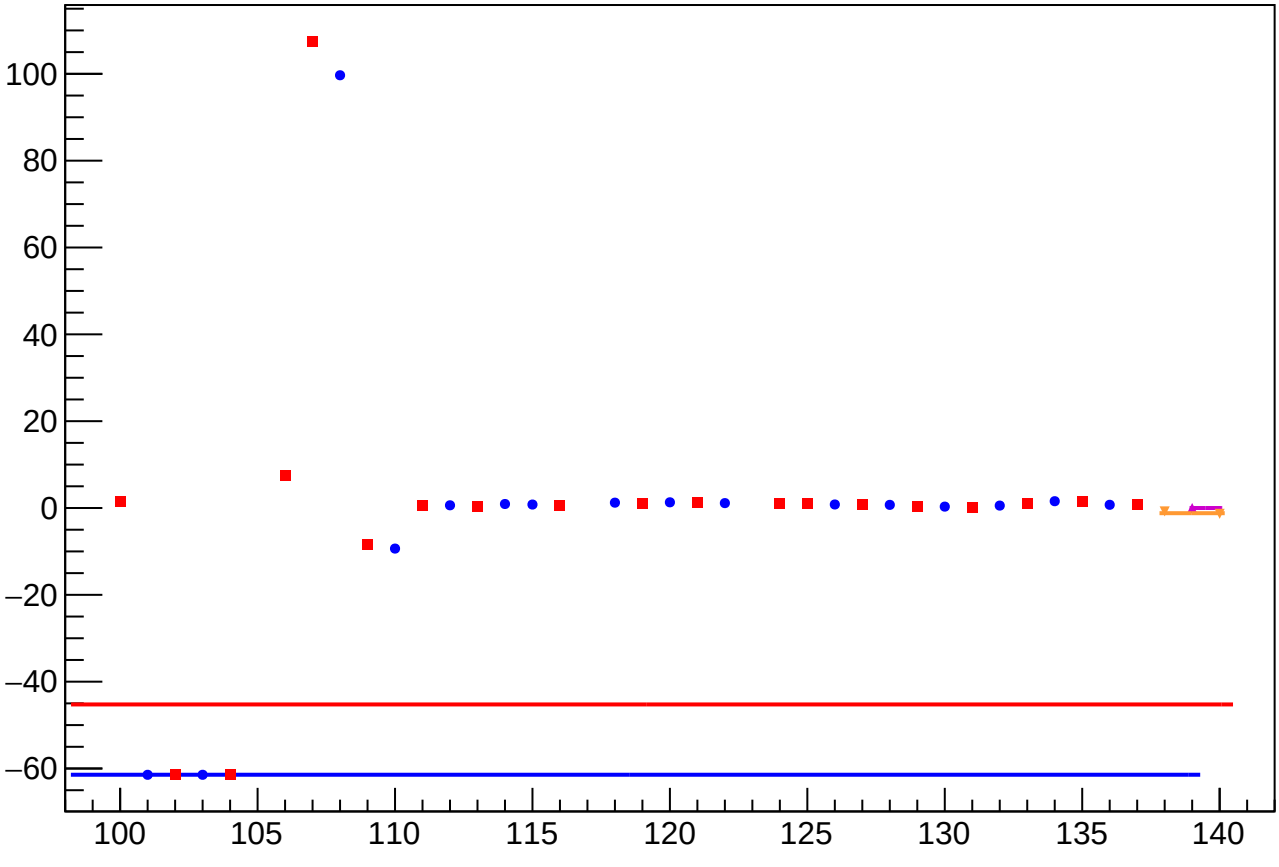
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.517+/-0.000 χ^2/NDF:2957015.4/16

Out: 0.509+/-0.000 χ^2/NDF:3296324.8/20

All: 0.512+/-0.000 χ^2/NDF: 6254665.1/37

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -1.194+/-0.000 χ^2/NDF:304722.5/1

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: -0.003+/-0.001 χ^2/NDF:0.0/0

Left: -0.991+/-0.000 χ^2/NDF: 1510563.5/2

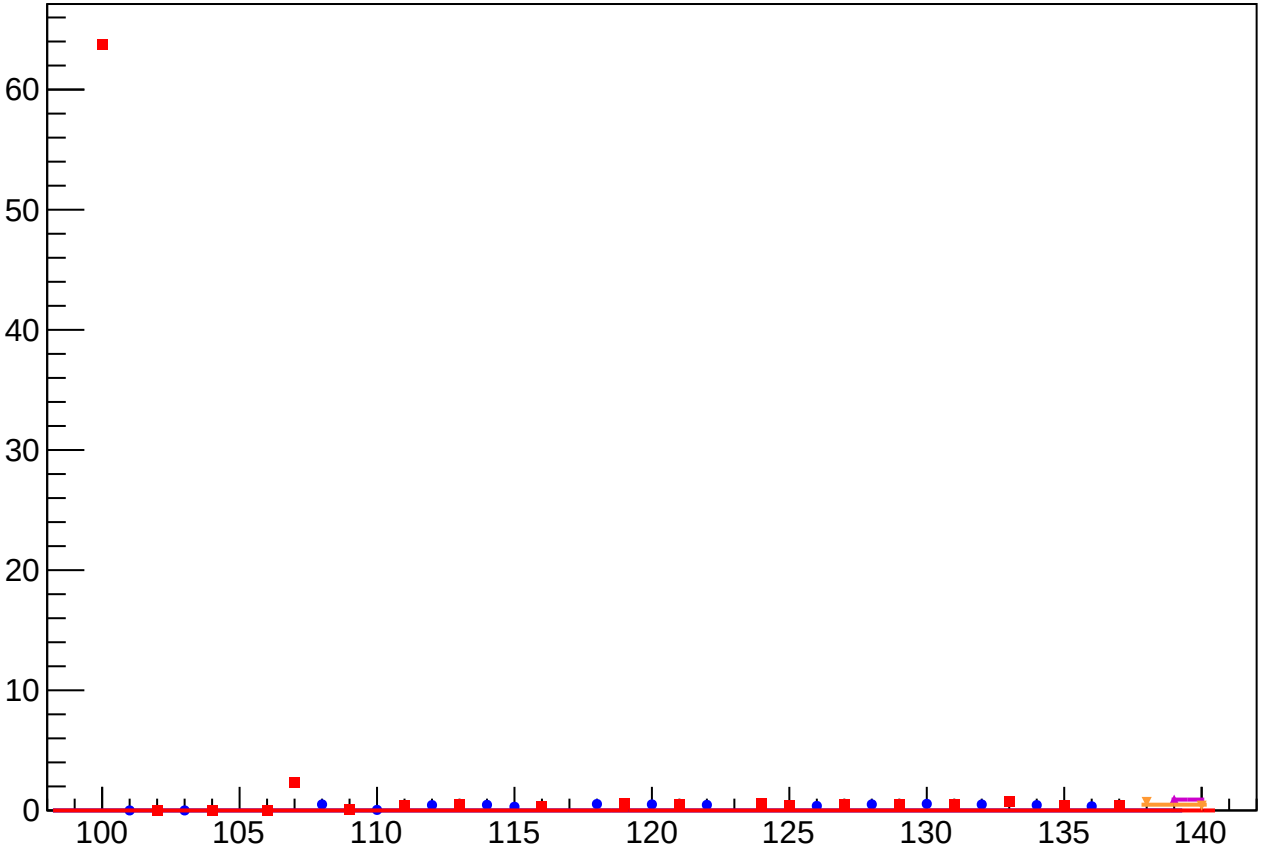
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.436+/-0.000 χ^2/NDF:277361398179.3/16

Out: -45.245+/-0.000 χ^2/NDF:357880016984493.4

All: -52.749+/-0.000 χ^2/NDF: 409138038302

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.481+/-0.000 χ^2/NDF:189238.9/1

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.905+/-0.001 χ^2/NDF:0.0/0

Left: 0.553+/-0.000 χ^2/NDF: 495317.8/2

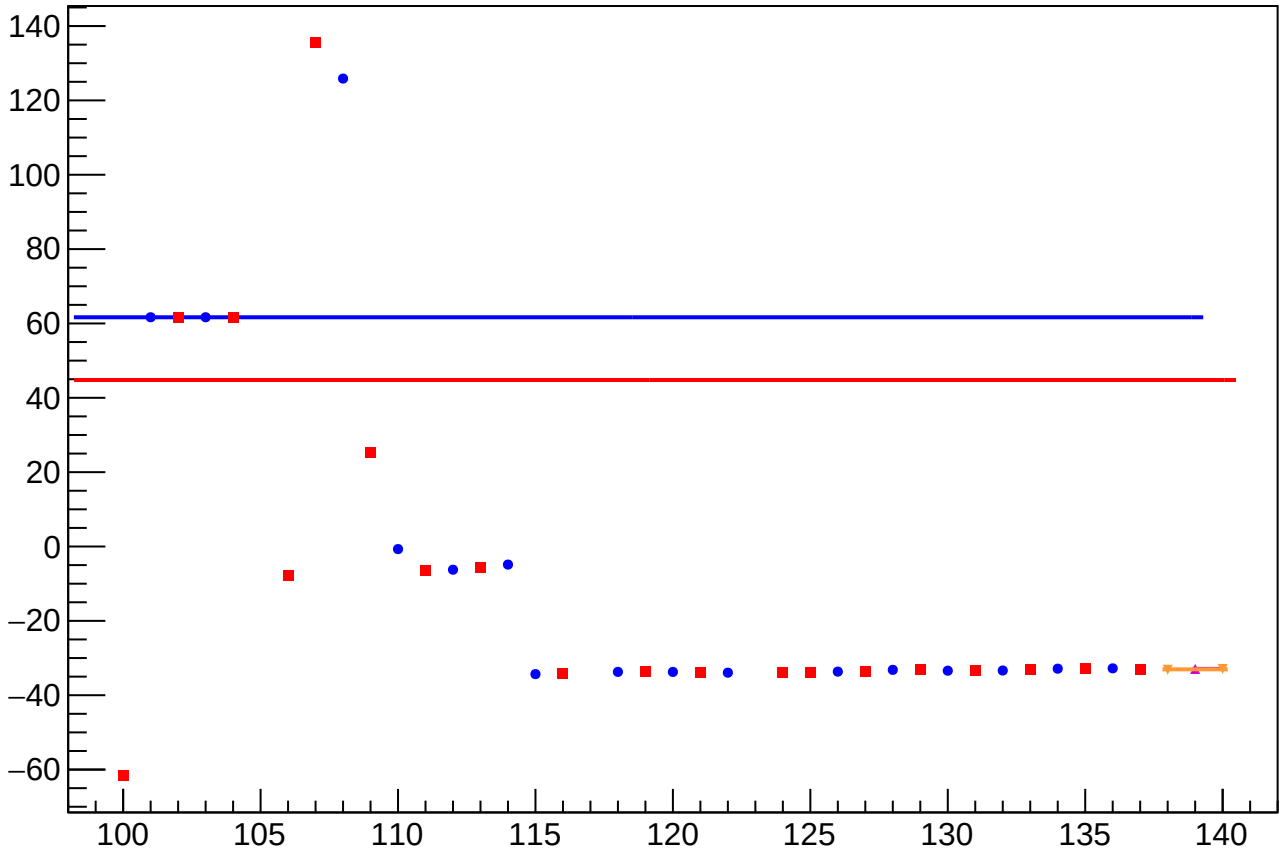
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:10829116.5/16

Out: 0.001+/-0.000 χ^2/NDF:11829155.6/20

All: 0.001+/-0.000 χ^2/NDF: 22658272.3/37

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -33.039+/-0.000 χ^2/NDF:179514.5/1

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.920+/-0.000 χ^2/NDF:0.0/0

Left: -33.000+/-0.000 χ^2/NDF: 251998.4/2

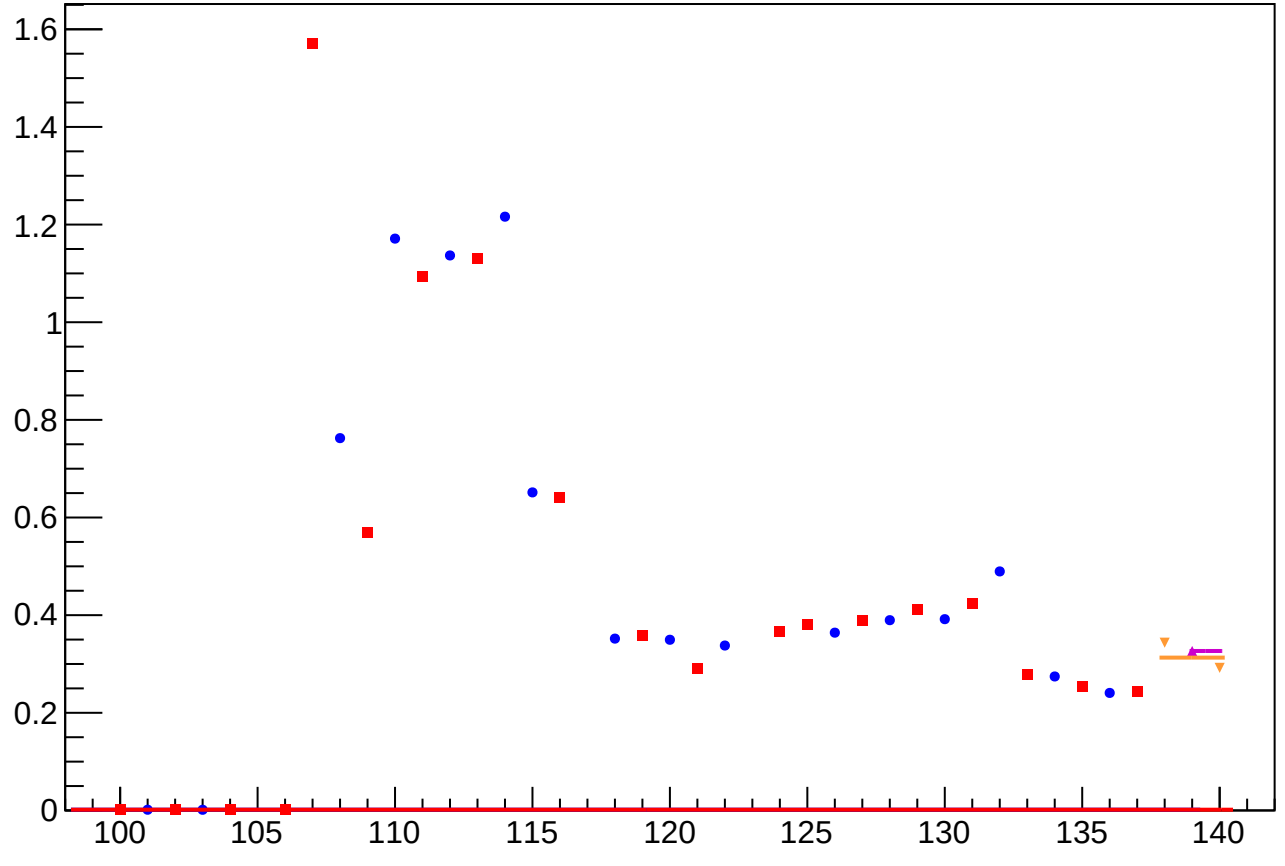
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.660+/-0.000 χ^2/NDF:437847382600.0/16

Out: 44.782+/-0.000 χ^2/NDF:366188215484745.2

All: 52.686+/-0.000 χ^2/NDF: 417737483548

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.313+/-0.000 χ^2/NDF:19766.2/1

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.327+/-0.000 χ^2/NDF:0.0/0

Left: 0.318+/-0.000 χ^2/NDF: 21649.1/2

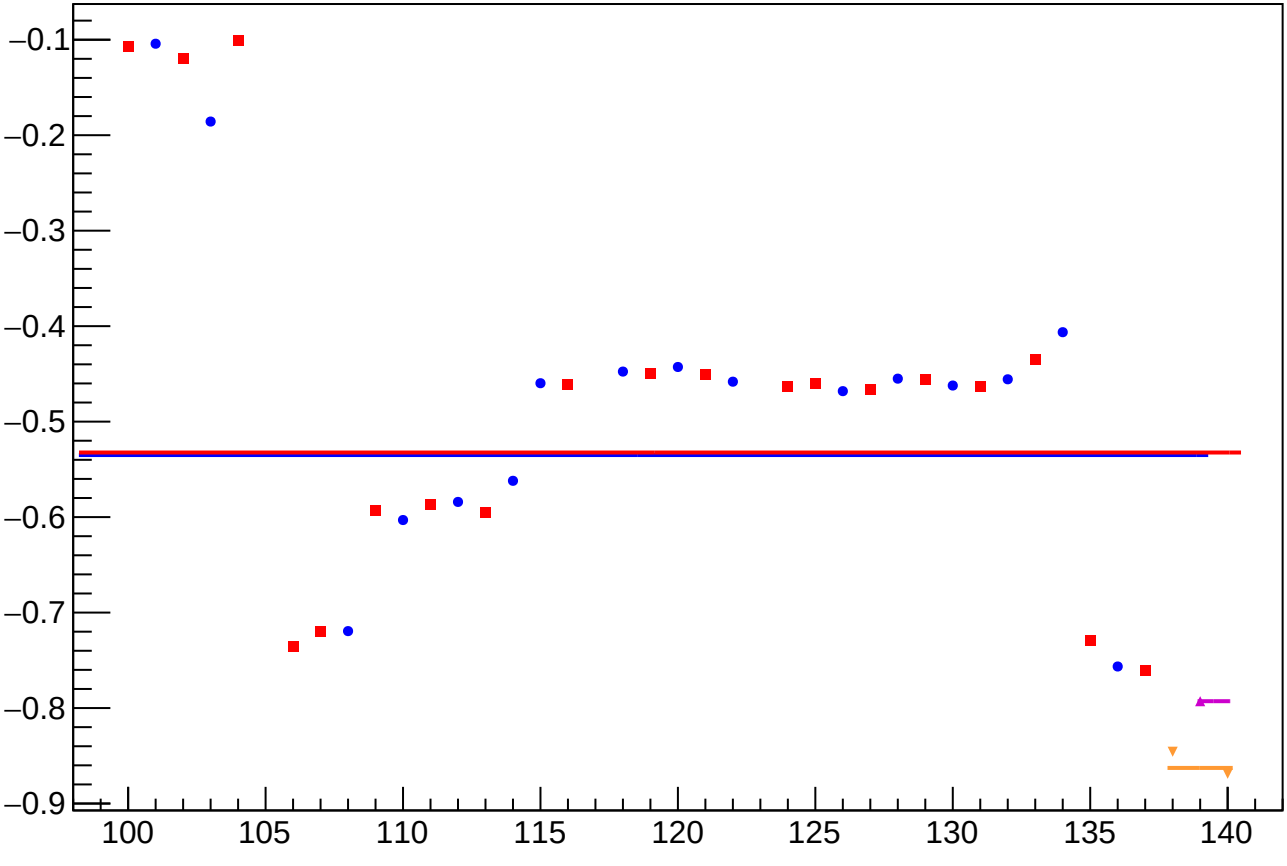
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:12640449.3/16

Out: 0.002+/-0.000 χ^2/NDF:13573072.8/20

All: 0.002+/-0.000 χ^2/NDF: 26213730.1/37

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.863+/-0.000 χ^2/NDF:292446.1/1

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.793+/-0.000 χ^2/NDF:0.0/0

Left: -0.852+/-0.000 χ^2/NDF: 2439062.3/2

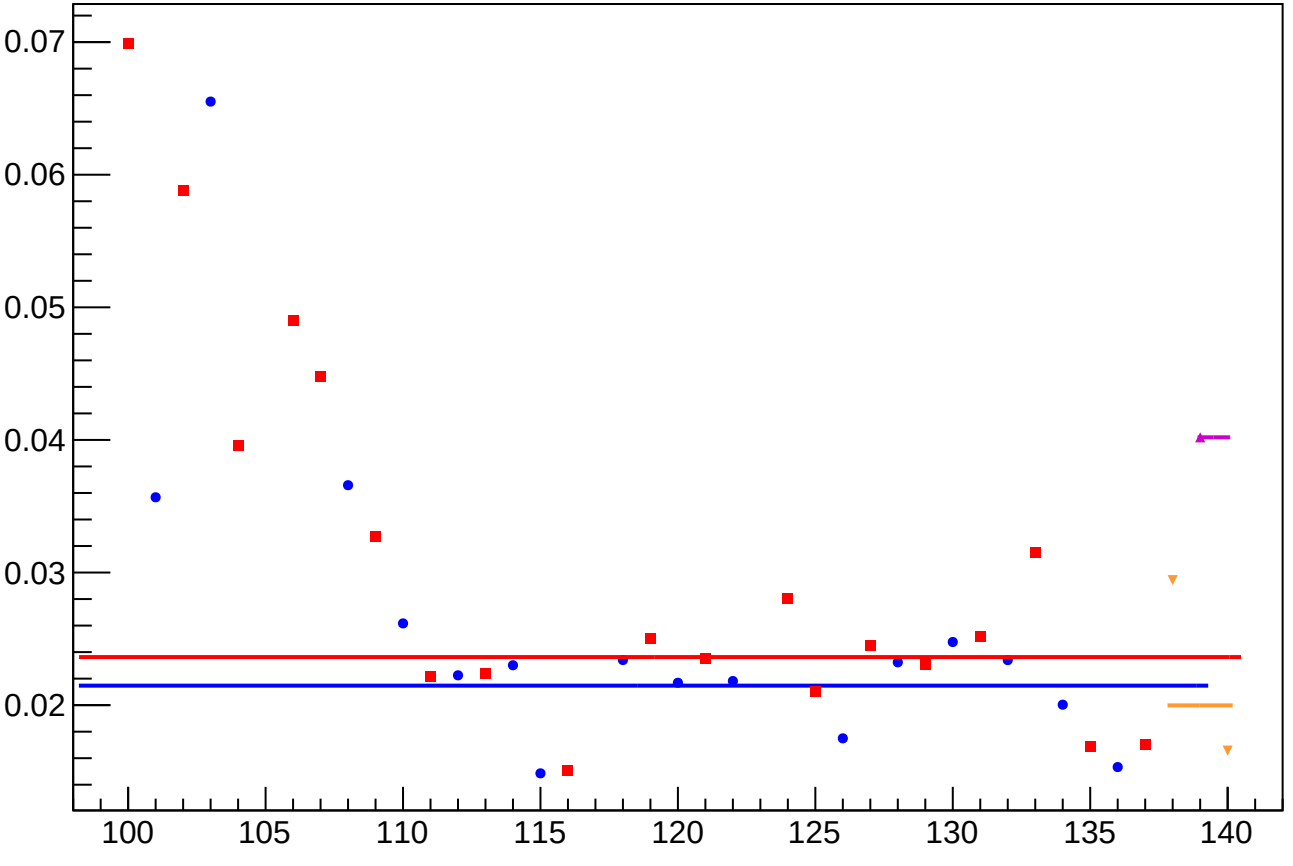
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.546+/-0.000 χ^2/NDF:333966865.9/16

Out: -0.605+/-0.000 χ^2/NDF:454164765.7/20

All: -0.576+/-0.000 χ^2/NDF: 809772087.9/37

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.020+/-0.000 χ^2/NDF:181373.2/1

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.040+/-0.000 χ^2/NDF:0.0/0

Left: 0.023+/-0.000 χ^2/NDF: 540522.6/2

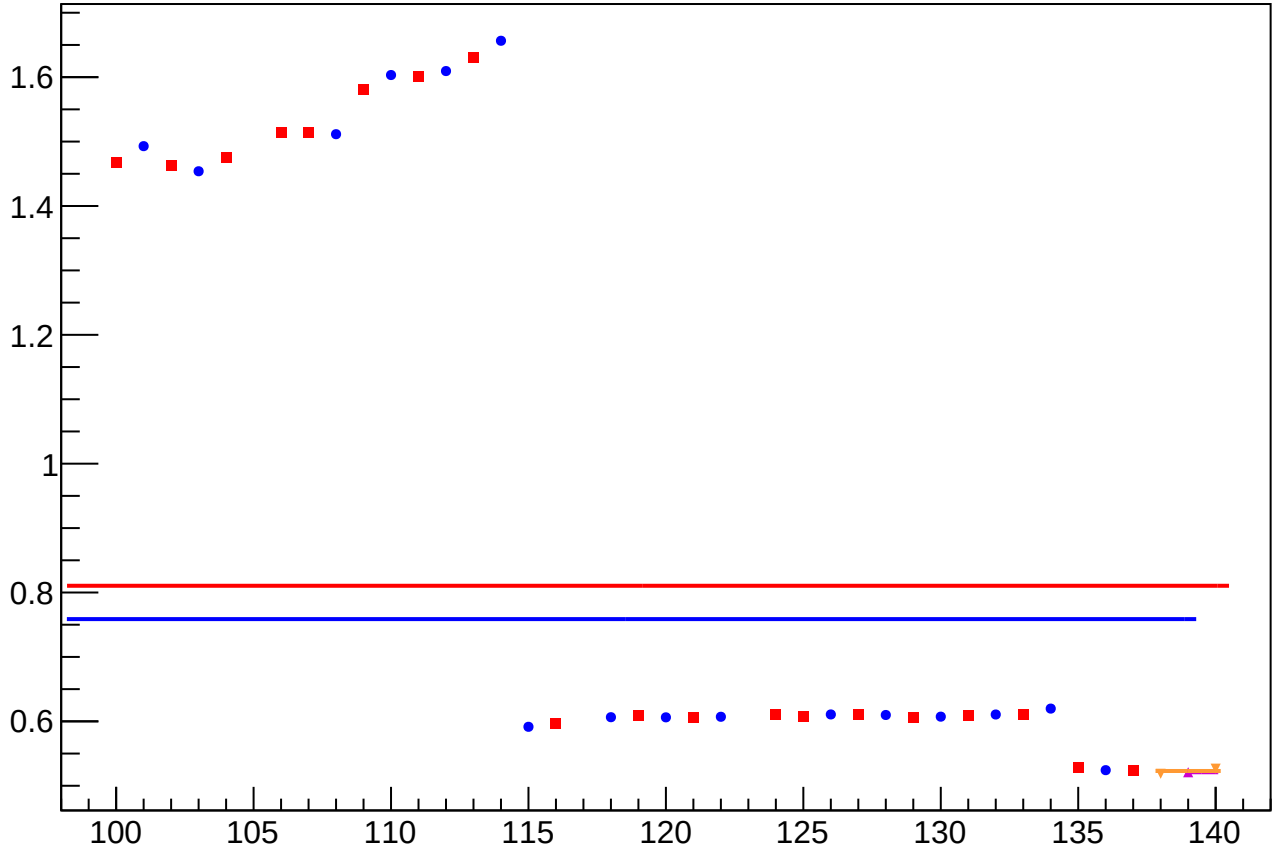
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.022+/-0.000 χ^2/NDF:1503479.9/16

Out: 0.023+/-0.000 χ^2/NDF:1516966.5/20

All: 0.023+/-0.000 χ^2/NDF: 3024221.3/37

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.523+/-0.000 χ^2/NDF:181057.7/1

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.521+/-0.000 χ^2/NDF:0.0/0

Left: 0.522+/-0.000 χ^2/NDF: 196597.1/2

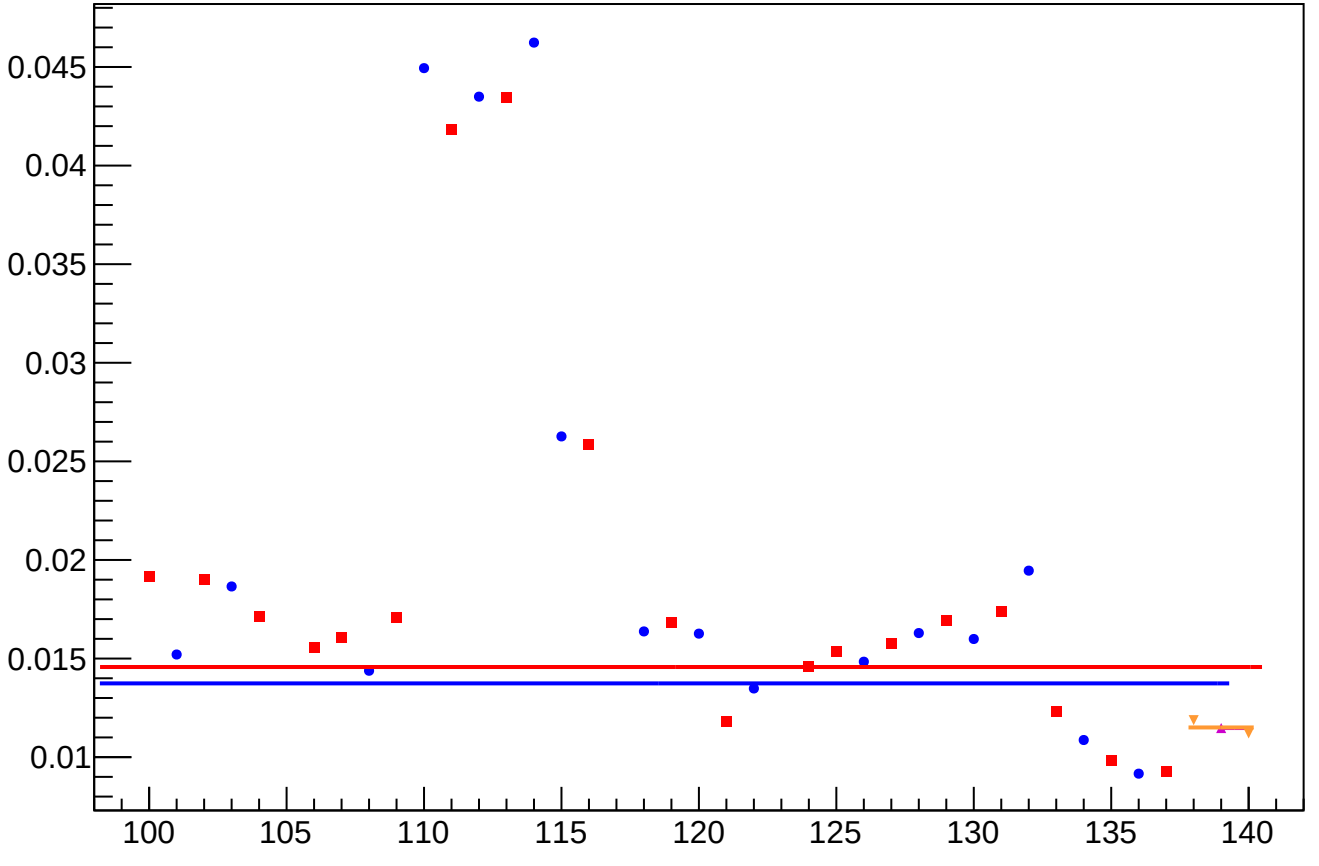
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.719+/-0.000 χ^2/NDF:4600704074.2/16

Out: 0.729+/-0.000 χ^2/NDF:5457606147.3/20

All: 0.724+/-0.000 χ^2/NDF: 10060219385.7/3

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:2599.3/1

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.011+/-0.000 χ^2/NDF:0.0/0

Left: 0.011+/-0.000 χ^2/NDF: 2606.4/2

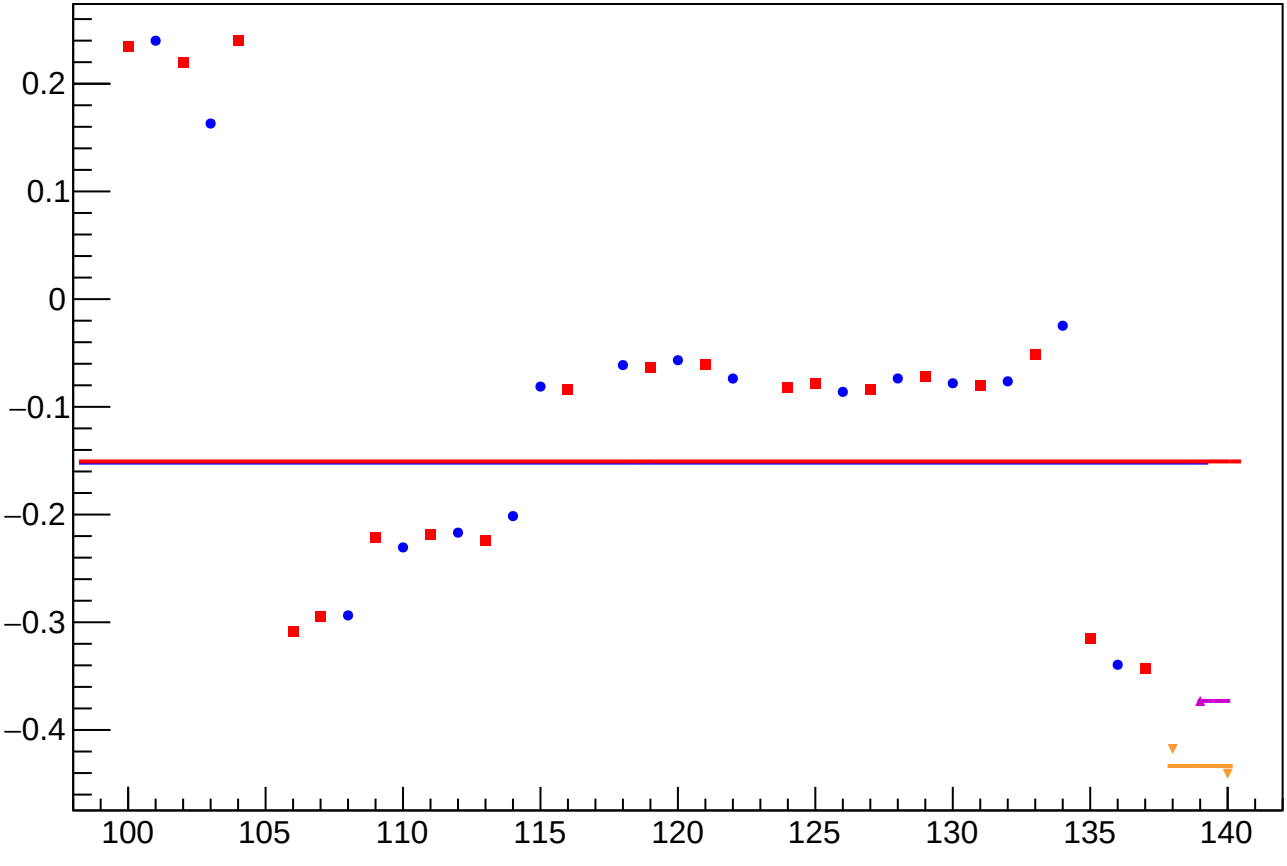
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:1703565.3/16

Out: 0.014+/-0.000 χ^2/NDF:1614067.2/20

All: 0.014+/-0.000 χ^2/NDF: 3322157.2/37

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.433+/-0.000 χ^2/NDF:298684.4/1

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.373+/-0.000 χ^2/NDF:0.0/0

Left: -0.422+/-0.000 χ^2/NDF: 2170483.0/2

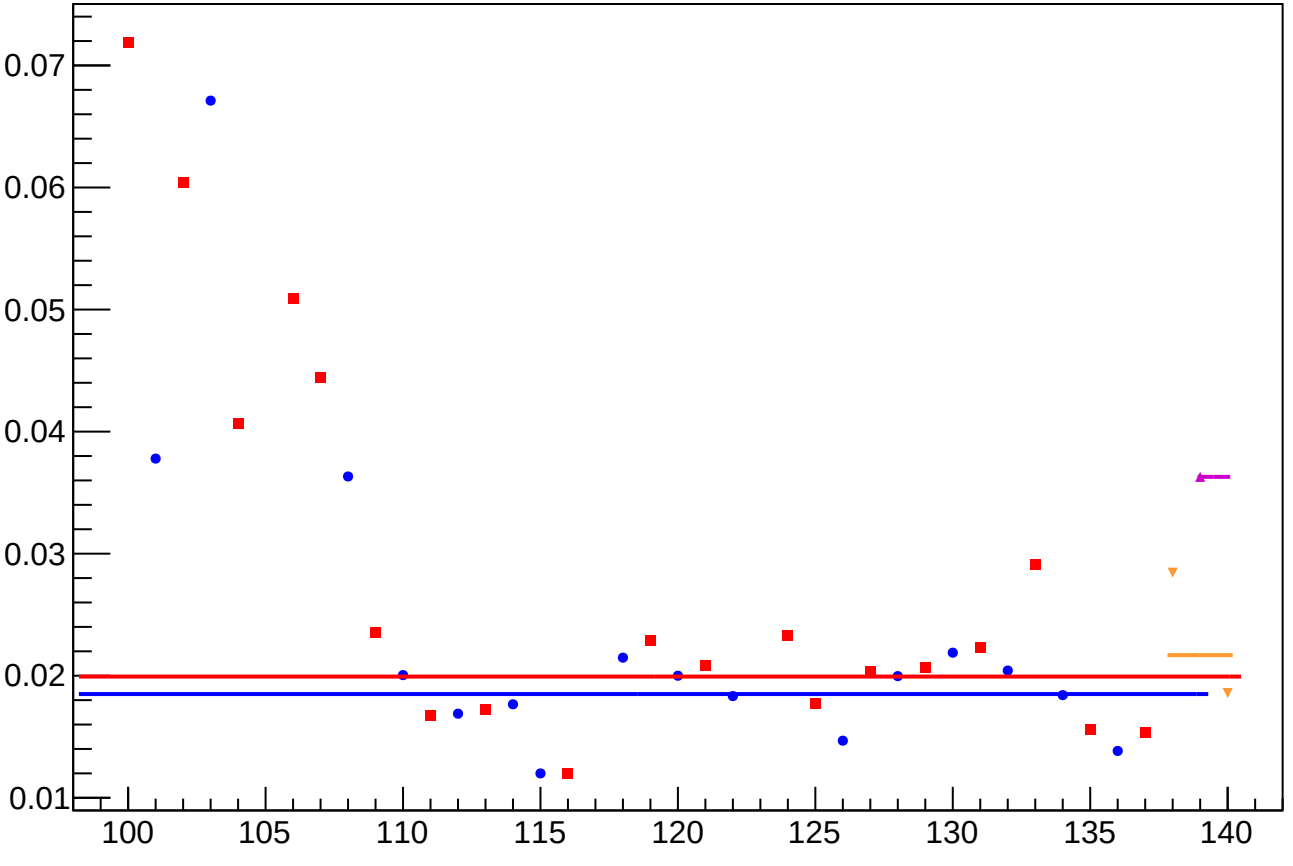
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.161+/-0.000 χ^2/NDF:306779950.2/16

Out: -0.196+/-0.000 χ^2/NDF:375965349.8/20

All: -0.179+/-0.000 χ^2/NDF: 693007756.7/37

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.022+/-0.000 χ^2/NDF:110258.8/1

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.036+/-0.000 χ^2/NDF:0.0/0

Left: 0.025+/-0.000 χ^2/NDF: 329318.8/2

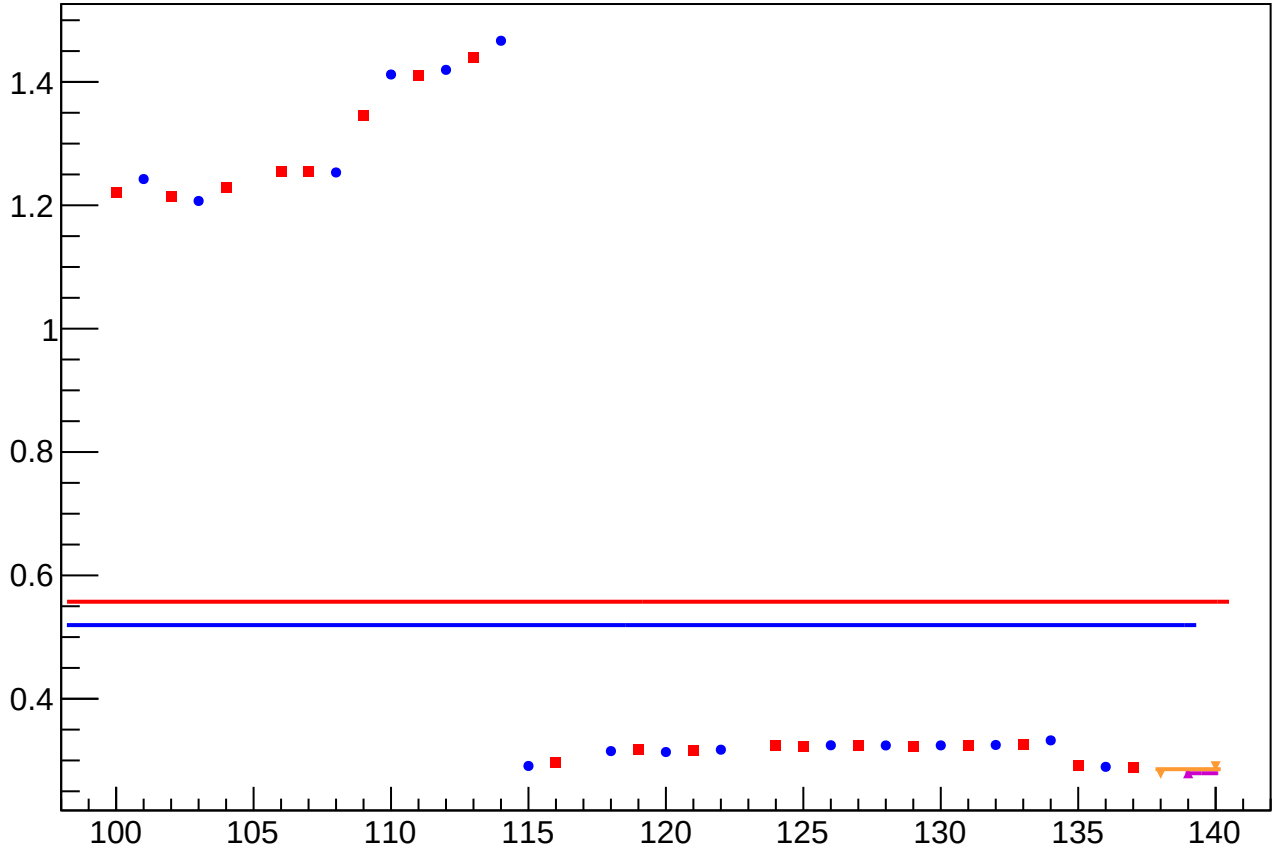
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1760348.8/16

Out: 0.020+/-0.000 χ^2/NDF:1671411.0/20

All: 0.020+/-0.000 χ^2/NDF: 3448203.5/37

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.286+/-0.000 χ^2/NDF:368988.7/1

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.279+/-0.000 χ^2/NDF:0.0/0

Left: 0.284+/-0.000 χ^2/NDF: 520590.7/2

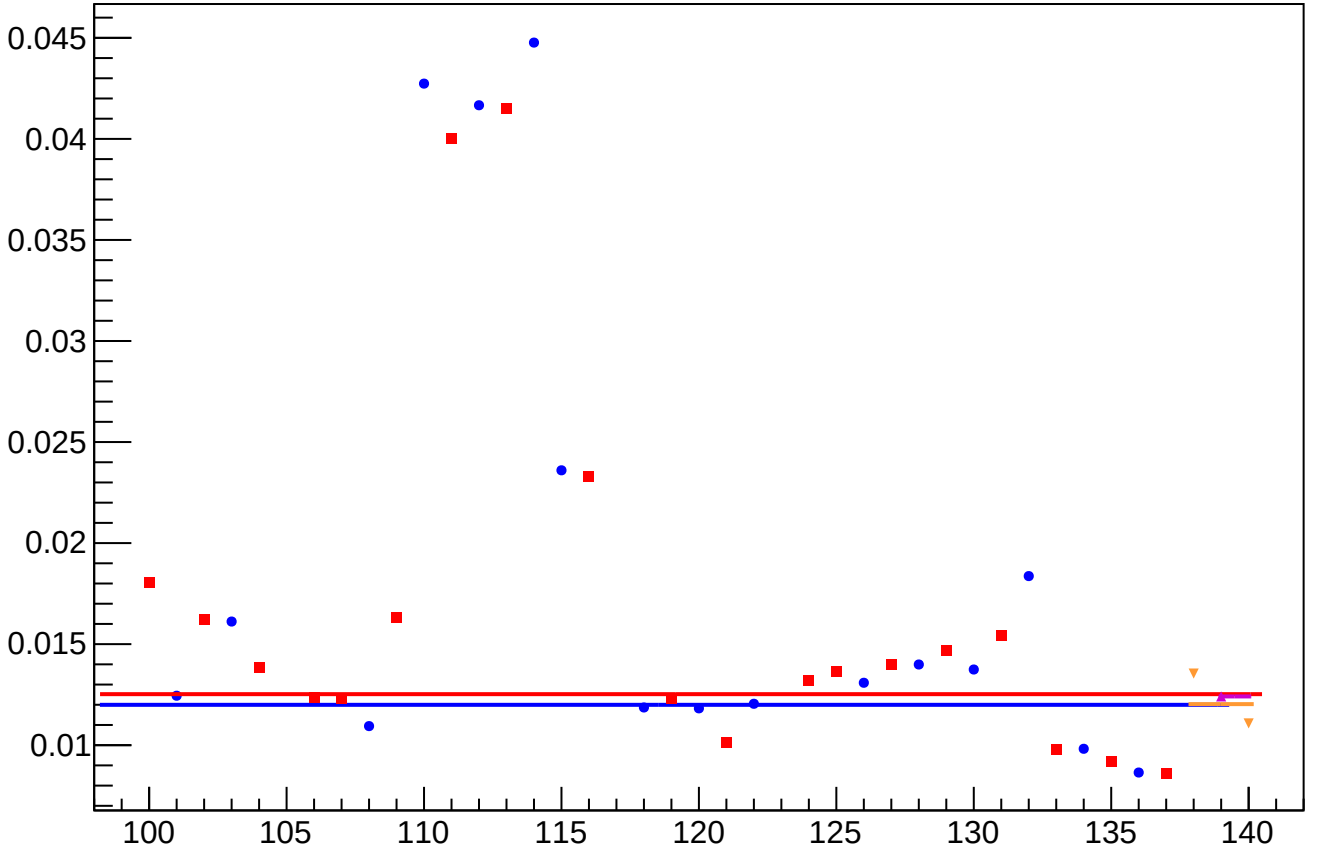
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.492+/-0.000 χ^2/NDF:6590654439.9/16

Out: 0.500+/-0.000 χ^2/NDF:7356870887.6/20

All: 0.496+/-0.000 χ^2/NDF: 13948916145.0/3

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:30339.0/1

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.012+/-0.000 χ^2/NDF:0.0/0

Left: 0.012+/-0.000 χ^2/NDF: 31359.9/2

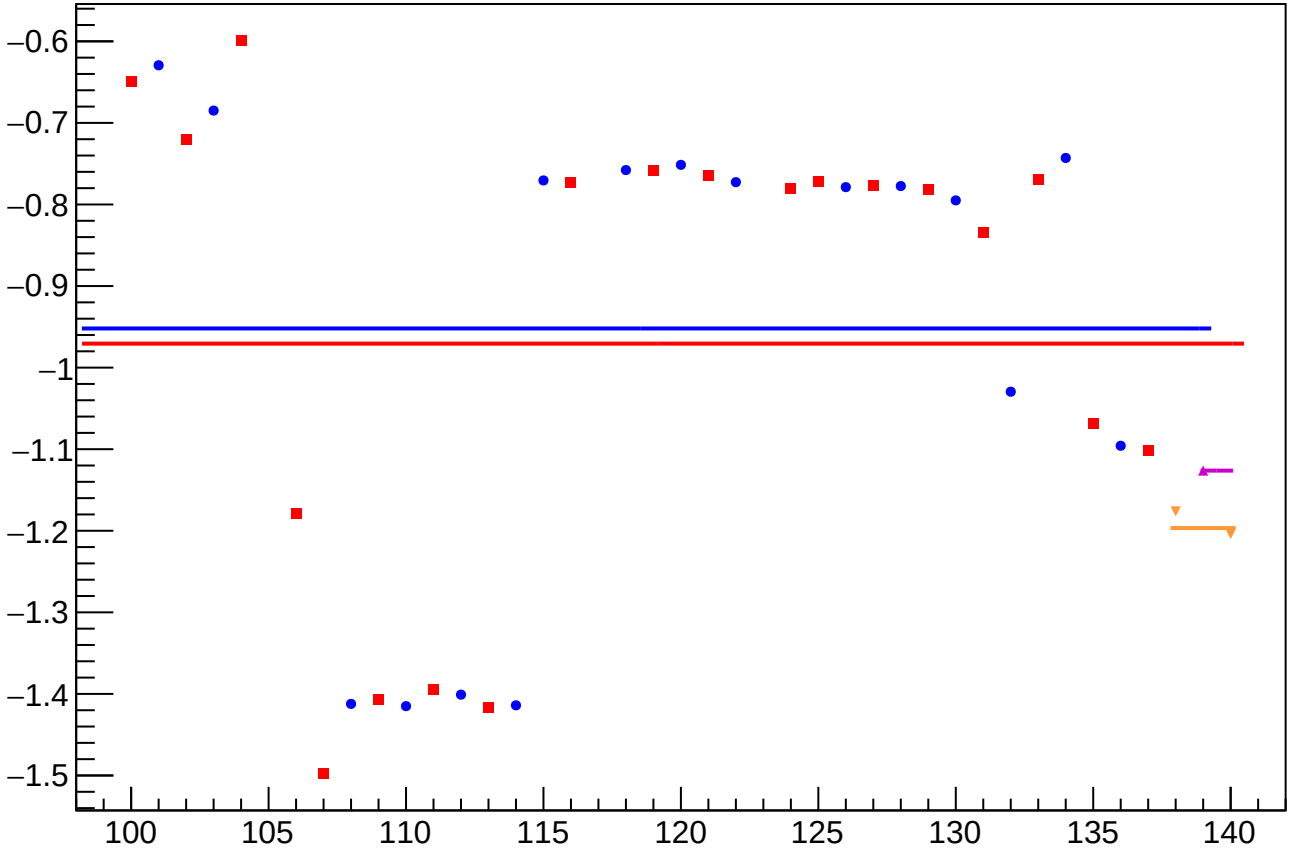
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.012+/-0.000 χ^2/NDF:1493231.7/16

Out: 0.012+/-0.000 χ^2/NDF:1468578.6/20

All: 0.012+/-0.000 χ^2/NDF: 2968618.6/37

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.197+/-0.000 χ^2/NDF:446928.5/1

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.126+/-0.000 χ^2/NDF:0.0/0

Left: -1.186+/-0.000 χ^2/NDF: 2736111.2/2

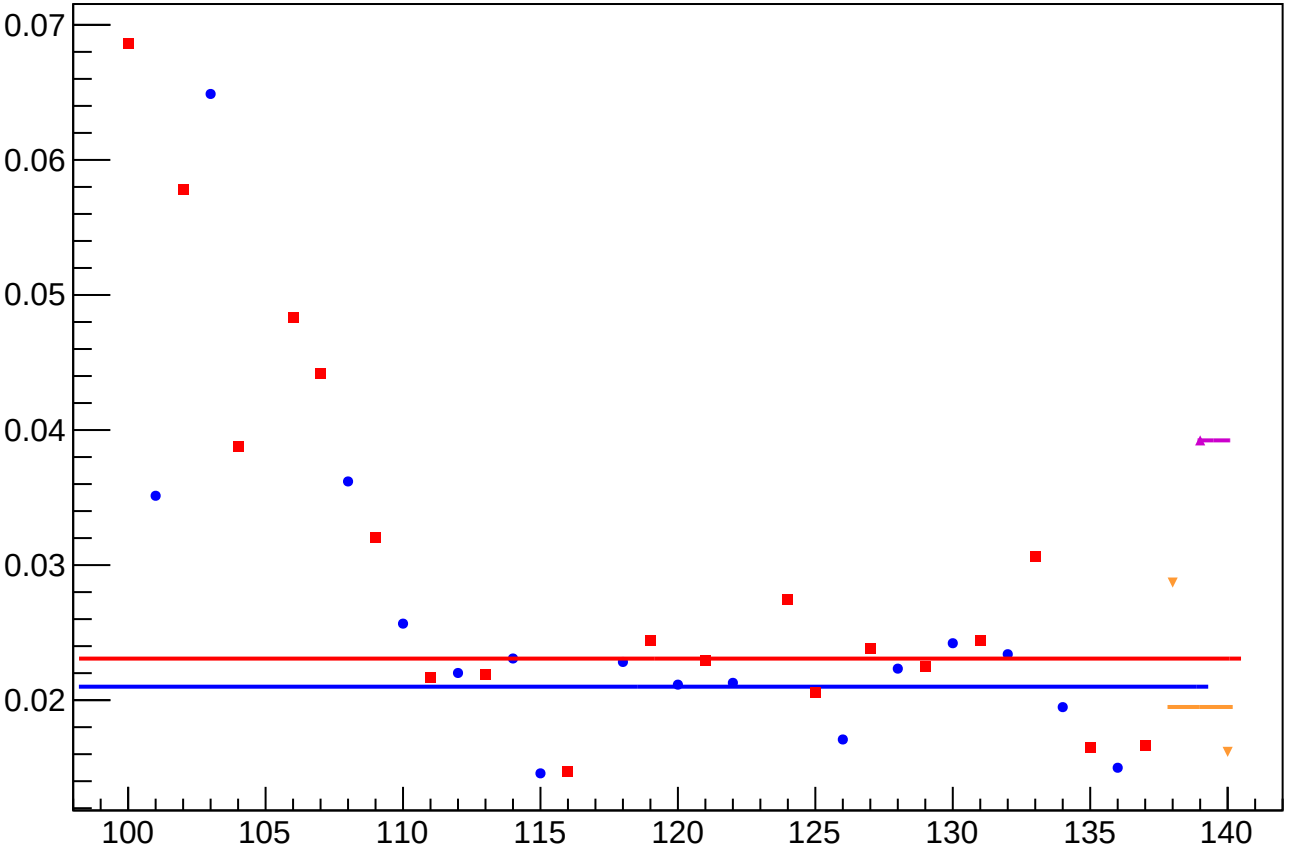
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -0.960+/-0.000 χ^2/NDF:715347534.4/16

Out: -1.021+/-0.000 χ^2/NDF:832910563.9/20

All: -0.991+/-0.000 χ^2/NDF: 1572544713.8/3

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:181309.6/1

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.039+/-0.000 χ^2/NDF:0.0/0

Left: 0.023+/-0.000 χ^2/NDF: 540843.5/2

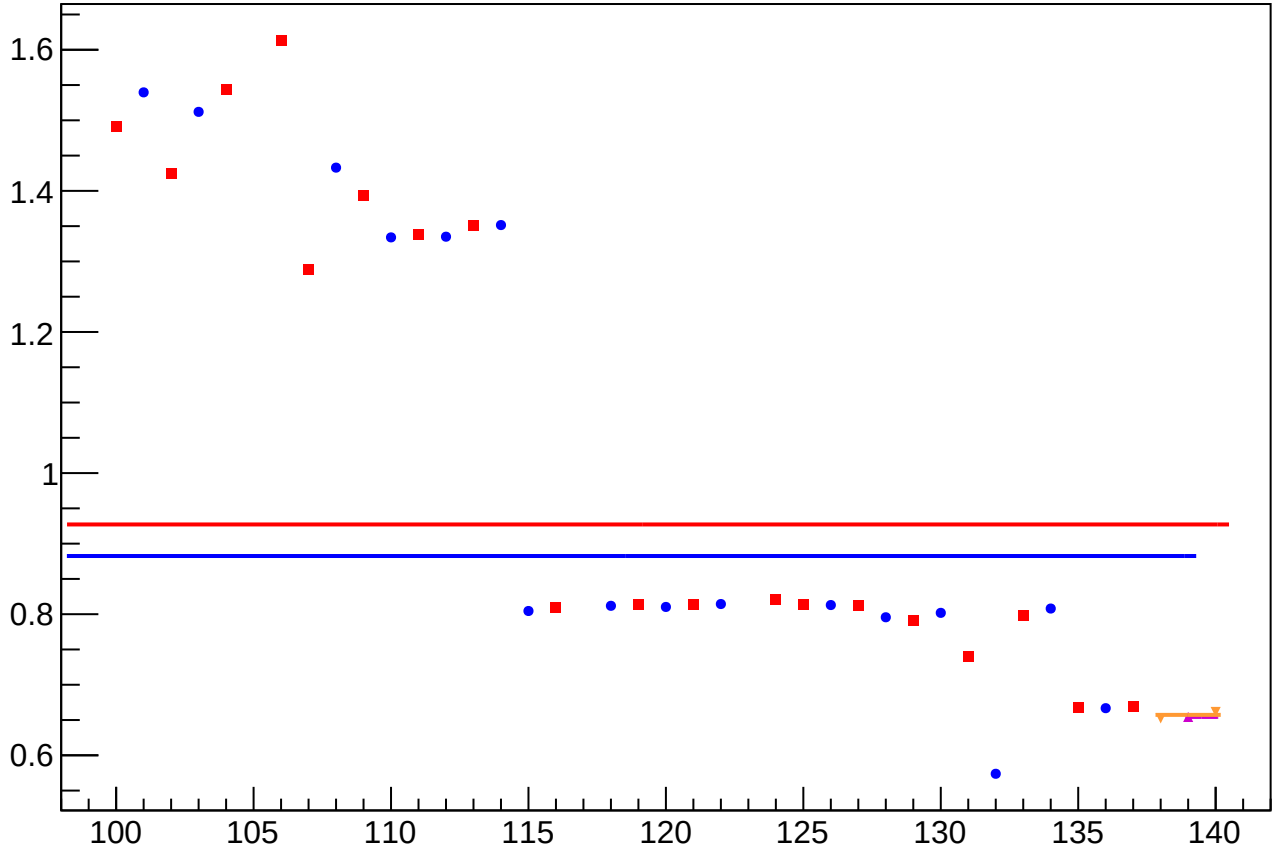
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.022+/-0.000 χ^2/NDF:1514828.8/16

Out: 0.022+/-0.000 χ^2/NDF:1521853.5/20

All: 0.022+/-0.000 χ^2/NDF: 3039972.2/37

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.657+/-0.000 χ^2/NDF:240535.8/1

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.654+/-0.000 χ^2/NDF:0.0/0

Left: 0.656+/-0.000 χ^2/NDF: 275141.0/2

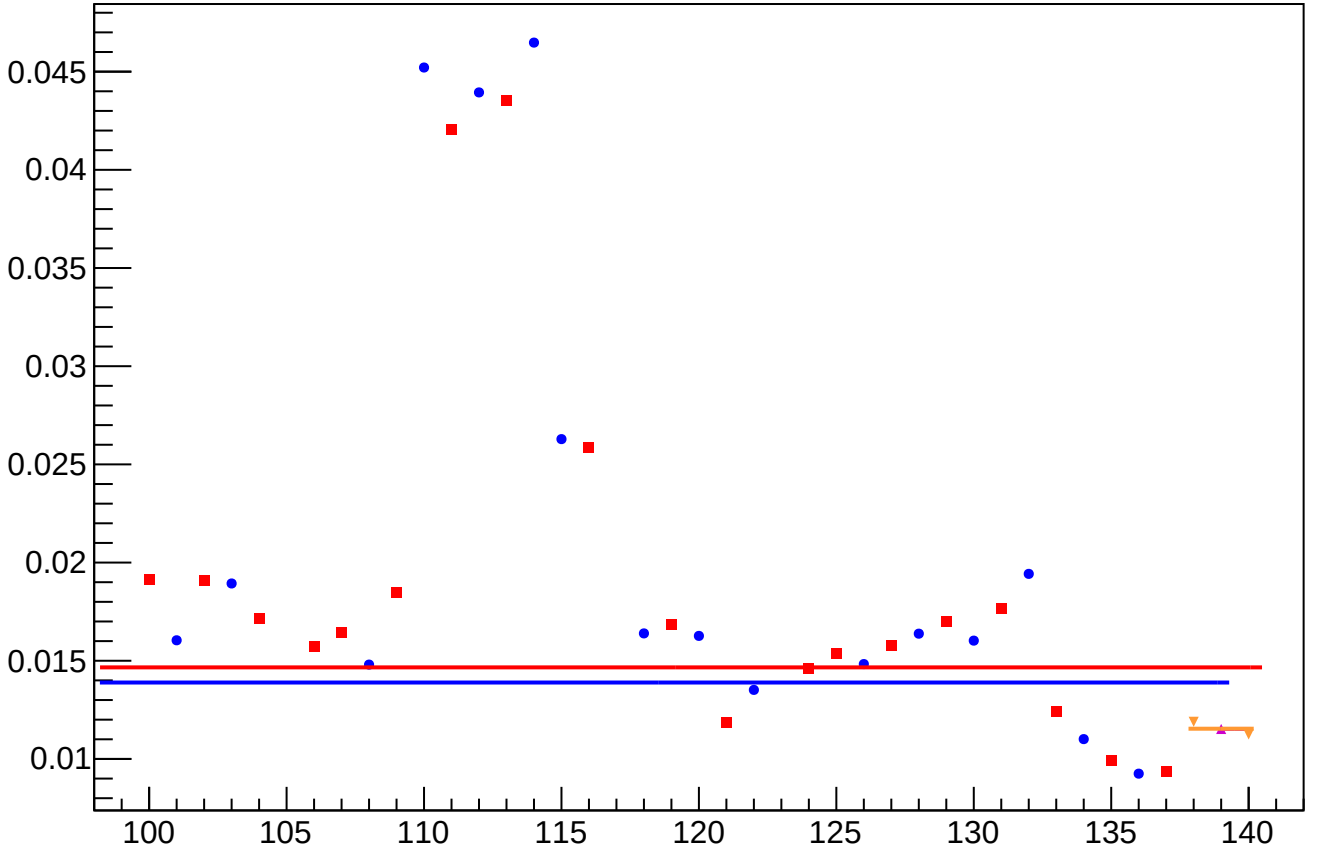
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.844+/-0.000 χ^2/NDF:3053972267.0/16

Out: 0.850+/-0.000 χ^2/NDF:3364179108.4/20

All: 0.847+/-0.000 χ^2/NDF: 6418867272.8/37

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:2387.2/1

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:0.0/0

Left: 0.012+/-0.000 χ^2/NDF: 2388.6/2

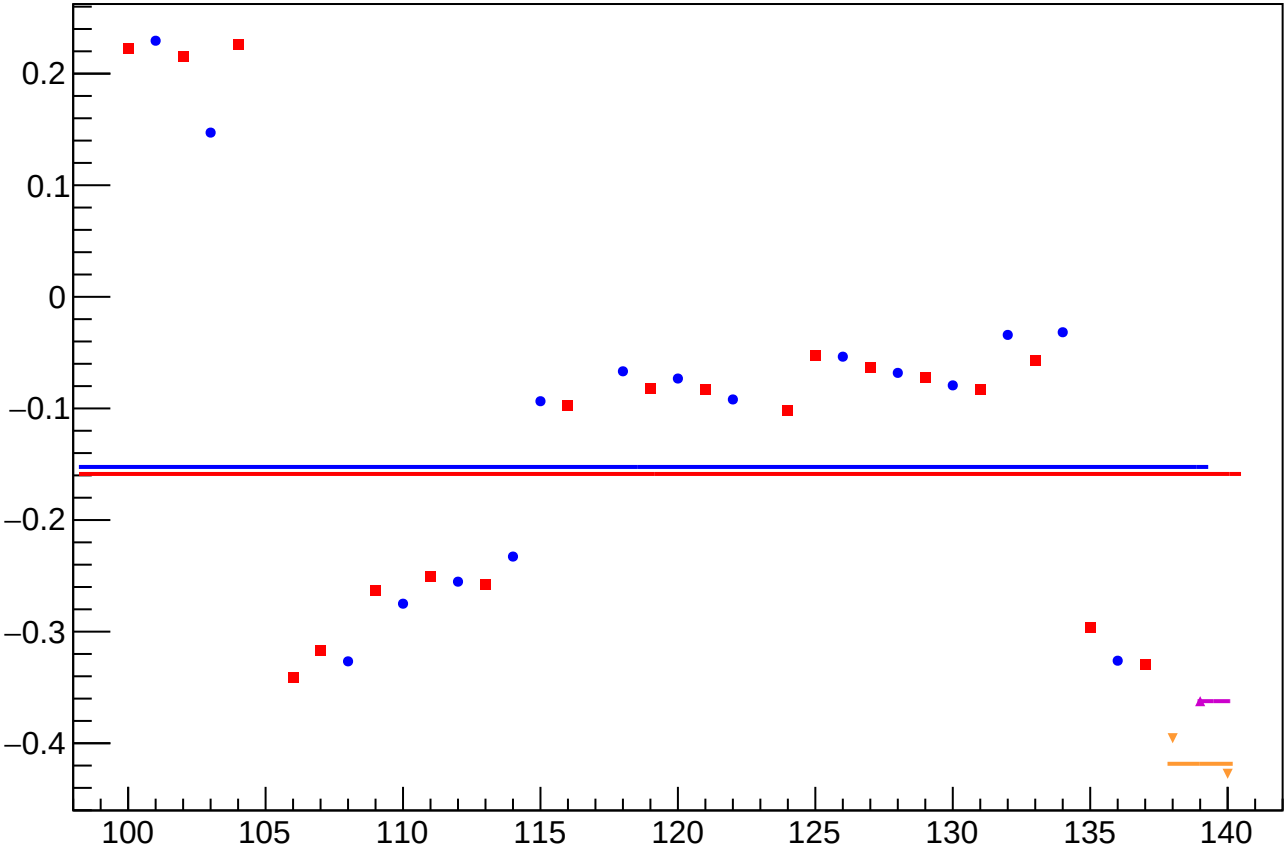
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:1704730.7/16

Out: 0.014+/-0.000 χ^2/NDF:1630392.4/20

All: 0.014+/-0.000 χ^2/NDF: 3338098.7/37

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.418+/-0.000 χ^2/NDF:586274.1/1

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.362+/-0.000 χ^2/NDF:0.0/0

Left: -0.408+/-0.000 χ^2/NDF: 2191858.1/2

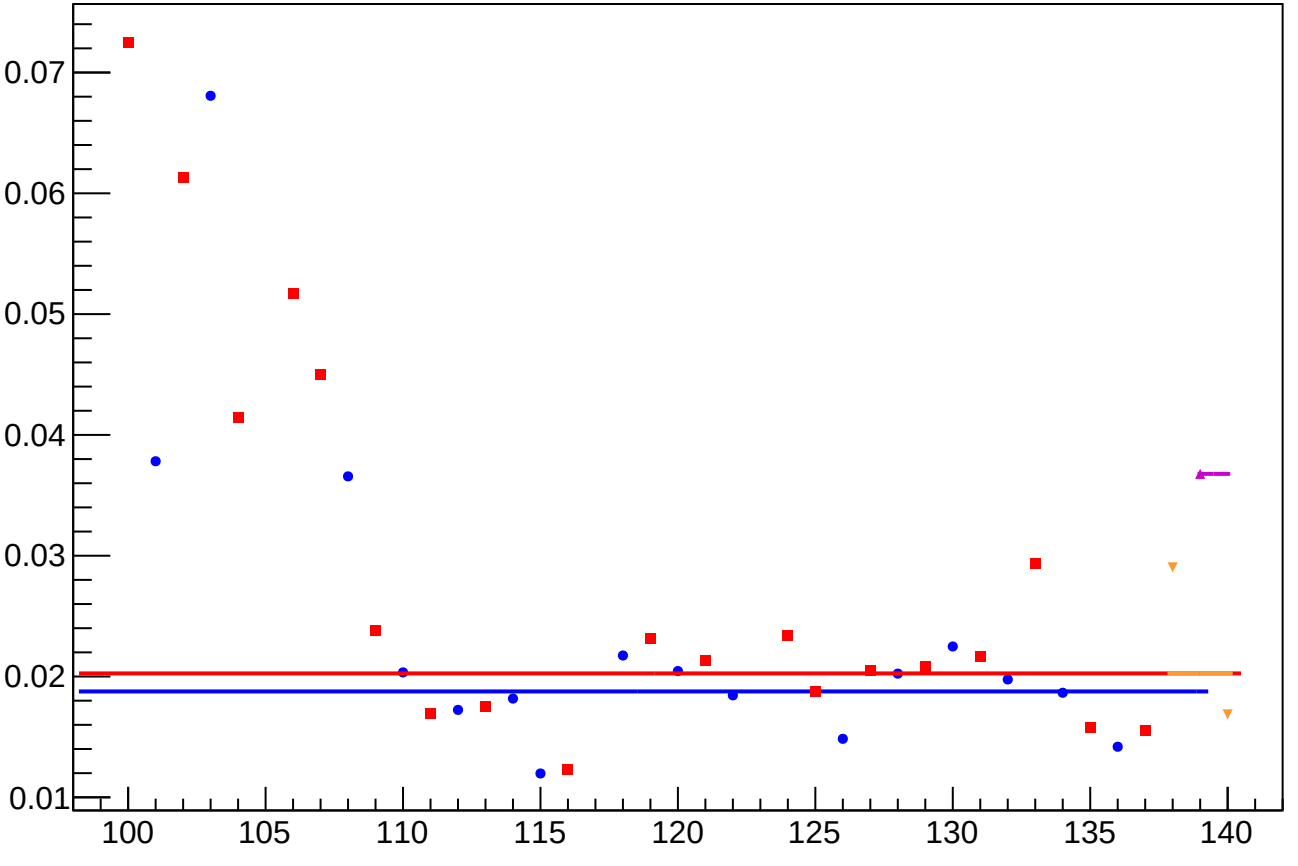
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.161+/-0.000 χ^2/NDF:300499135.5/16

Out: -0.205+/-0.000 χ^2/NDF:354883140.2/20

All: -0.183+/-0.000 χ^2/NDF: 670743128.4/37

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.020+/-0.000 χ^2/NDF:171135.5/1

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.037+/-0.000 χ^2/NDF:0.0/0

Left: 0.023+/-0.000 χ^2/NDF: 448398.7/2

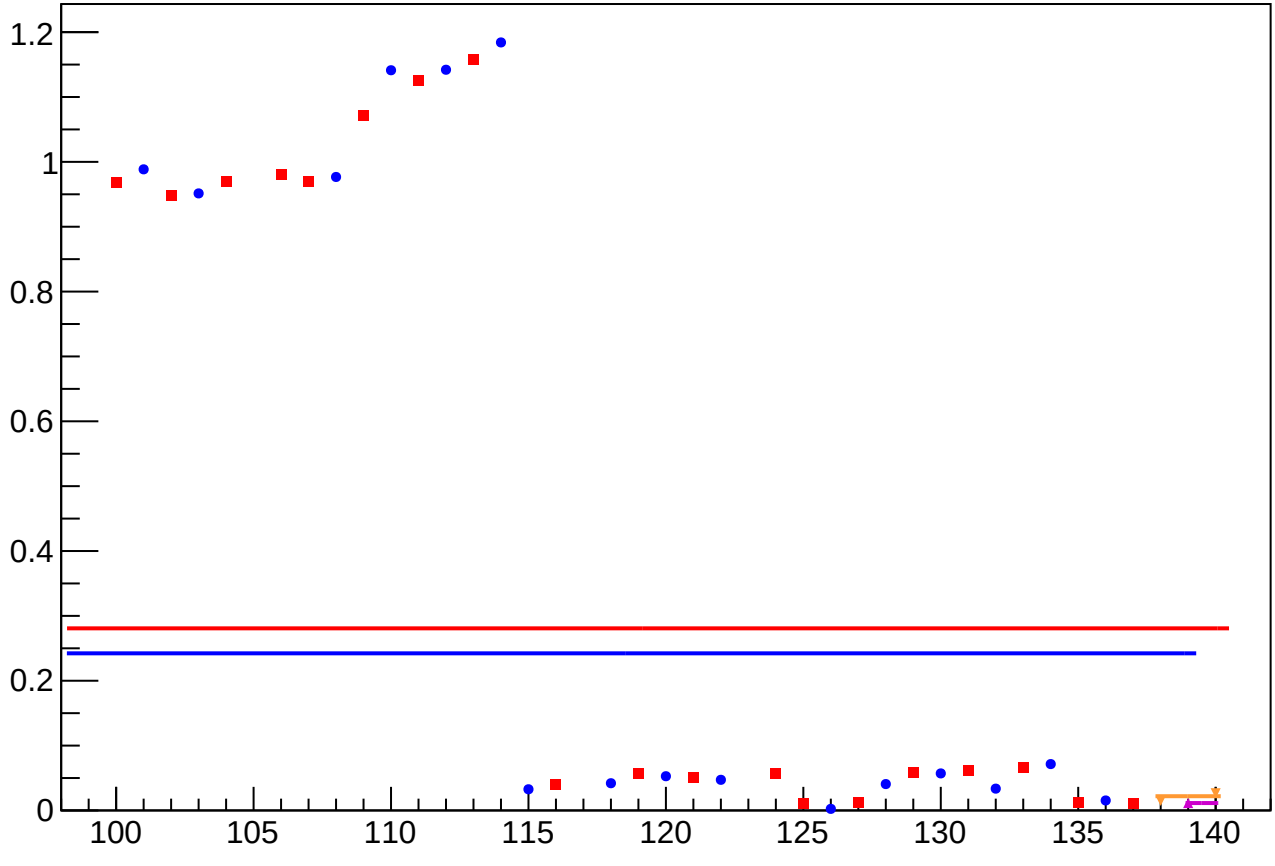
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1735870.5/16

Out: 0.020+/-0.000 χ^2/NDF:1700763.9/20

All: 0.020+/-0.000 χ^2/NDF: 3446326.0/37

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.022+/-0.000 χ^2/NDF:384929.7/1

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.011+/-0.000 χ^2/NDF:0.0/0

Left: 0.019+/-0.000 χ^2/NDF: 800749.1/2

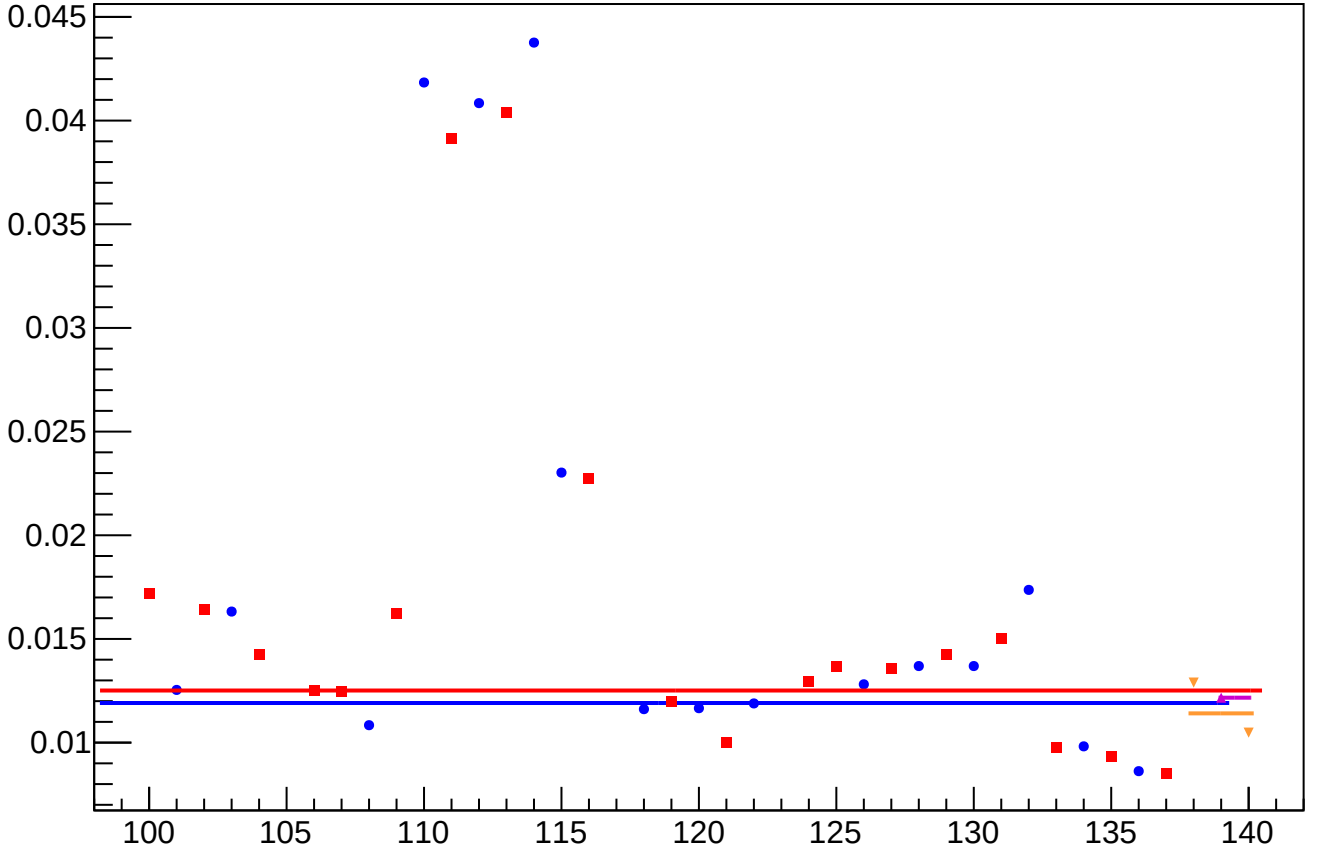
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.215+/-0.000 χ^2/NDF:6767635445.7/16

Out: 0.221+/-0.000 χ^2/NDF:7358993506.8/20

All: 0.219+/-0.000 χ^2/NDF: 14127517566.9/3

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:32122.2/1

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.012+/-0.000 χ^2/NDF:0.0/0

Left: 0.012+/-0.000 χ^2/NDF: 36406.1/2

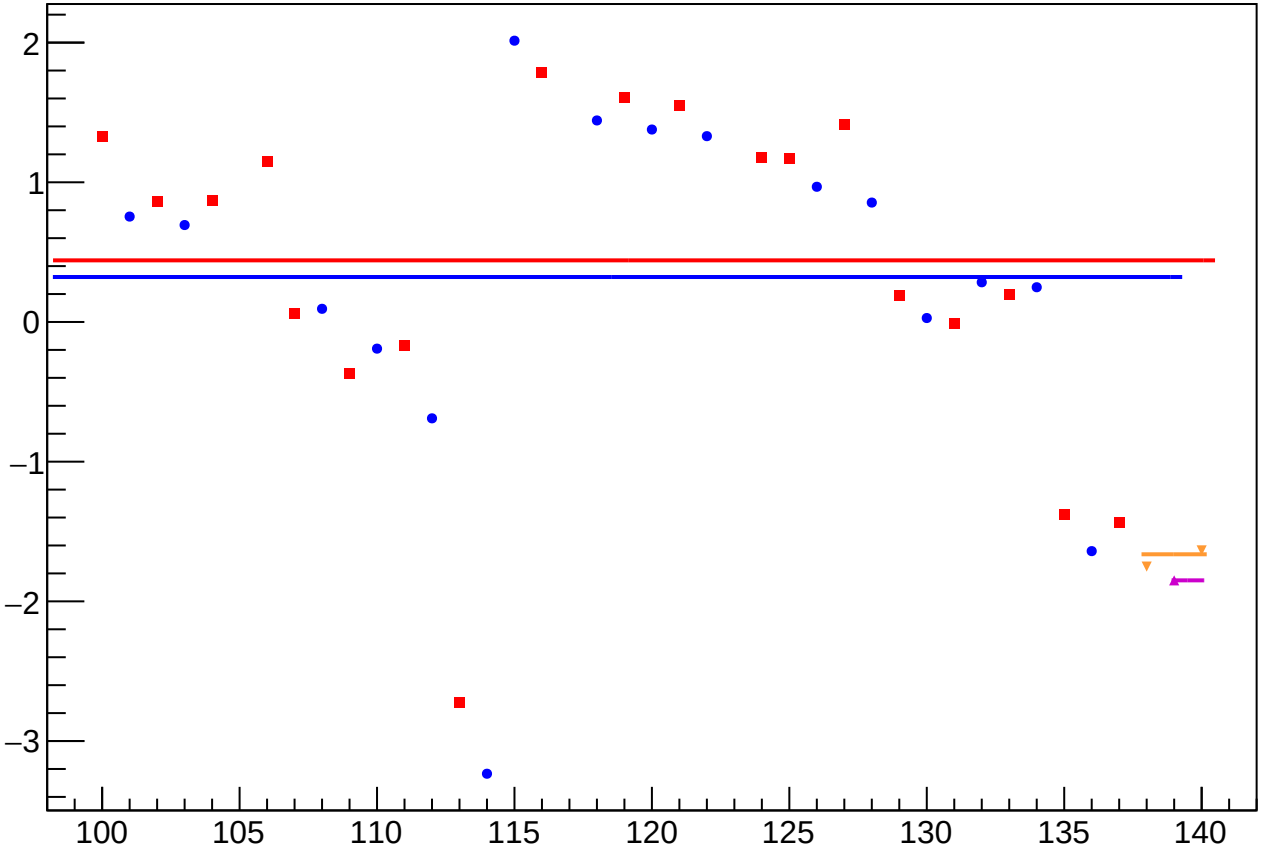
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.012+/-0.000 χ^2/NDF:1460068.8/16

Out: 0.012+/-0.000 χ^2/NDF:1446390.7/20

All: 0.012+/-0.000 χ^2/NDF: 2911499.1/37

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: -1.663+/-0.000 χ^2/NDF:420930.4/1

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: -1.850+/-0.000 χ^2/NDF:0.0/0

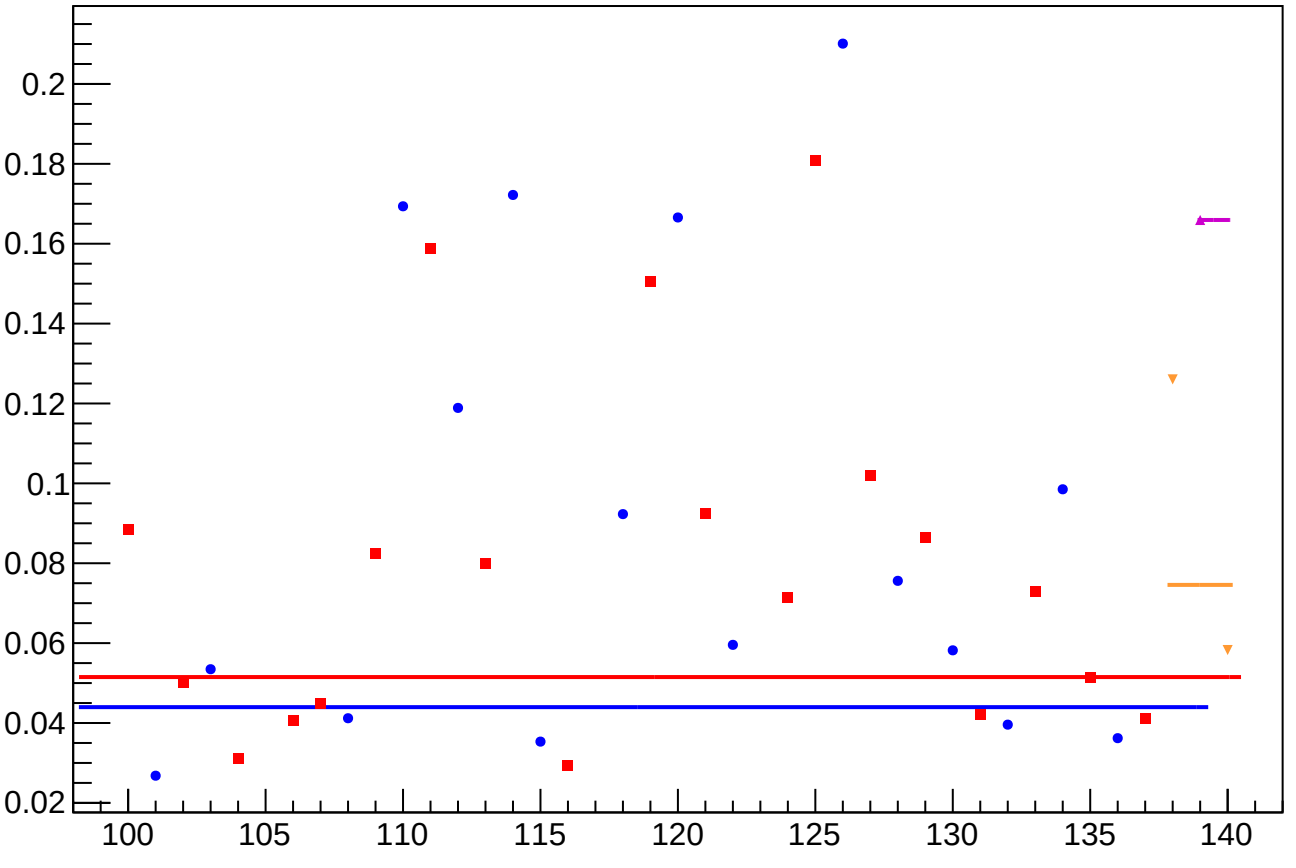
Left: -1.690+/-0.000 χ^2/NDF: 1279179.5/2

Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.291+/-0.000 χ^2/NDF:1798786816.8/16

Out: 0.243+/-0.000 χ^2/NDF:2483112693.9/20

All: 0.268+/-0.000 χ^2/NDF: 4284081278.5/37



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.075+/-0.000 χ^2/NDF:287072.9/1

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.166+/-0.000 χ^2/NDF:0.0/0

Left: 0.088+/-0.000 χ^2/NDF: 698426.0/2

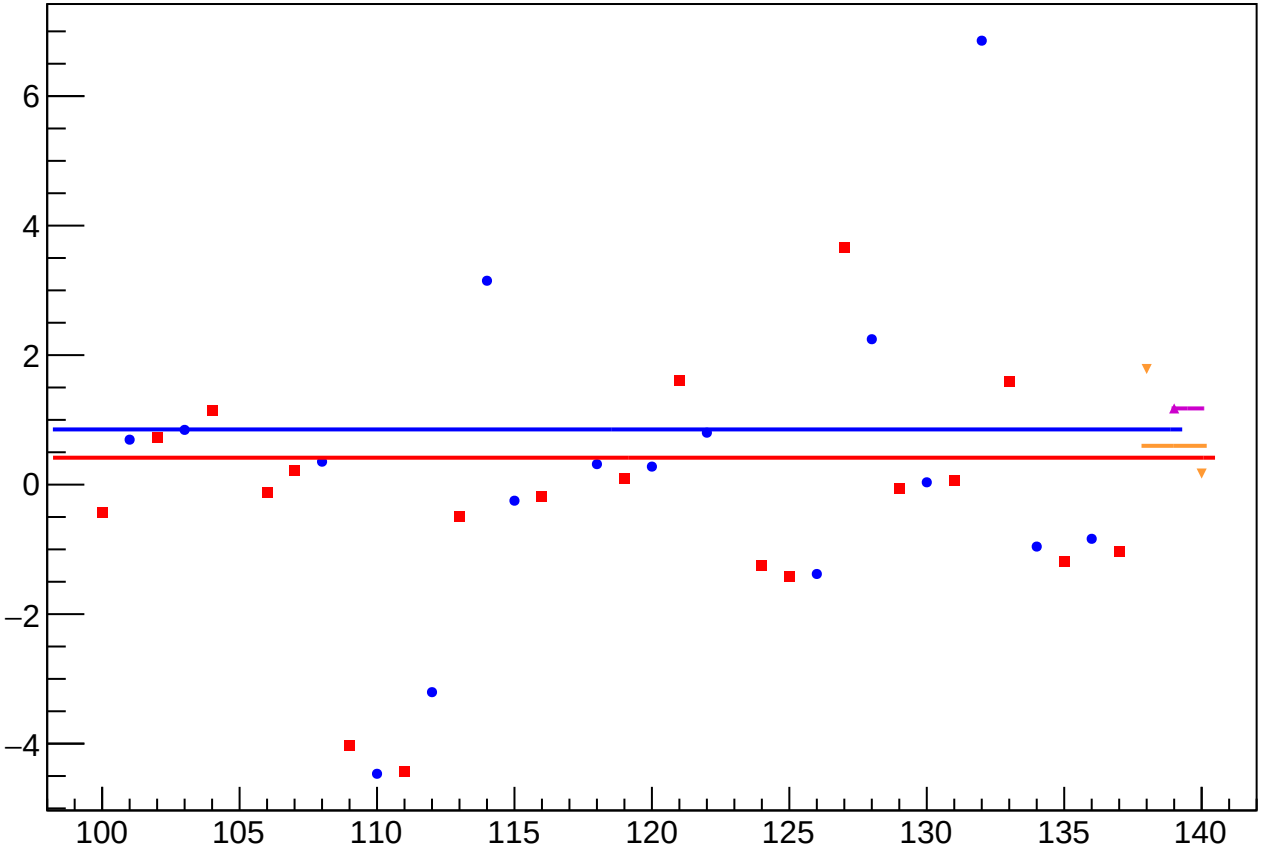
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.046+/-0.000 χ^2/NDF:3631724.2/16

Out: 0.054+/-0.000 χ^2/NDF:2819556.3/20

All: 0.049+/-0.000 χ^2/NDF: 6572303.4/37

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.599+/-0.000 χ^2/NDF:137108523.6/1

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 1.177+/-0.000 χ^2/NDF:0.0/0

Left: 0.689+/-0.000 χ^2/NDF: 151077549.3/2

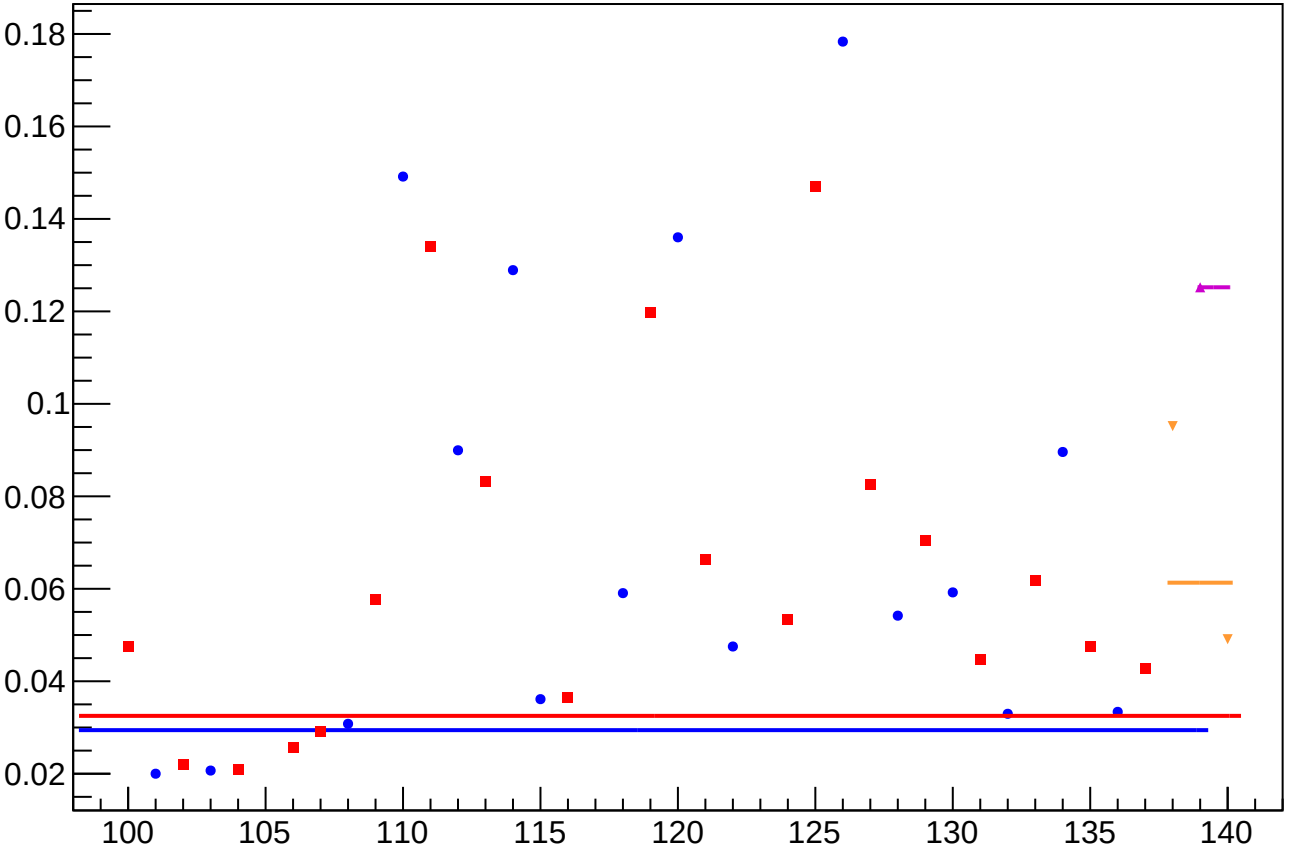
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.856+/-0.000 χ^2/NDF:11581194237.2/16

Out: 0.428+/-0.000 χ^2/NDF:5267493088.9/20

All: 0.645+/-0.000 χ^2/NDF: 17237783571.4/3

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.061+/-0.000 χ^2/NDF:223447.4/1

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.125+/-0.000 χ^2/NDF:0.0/0

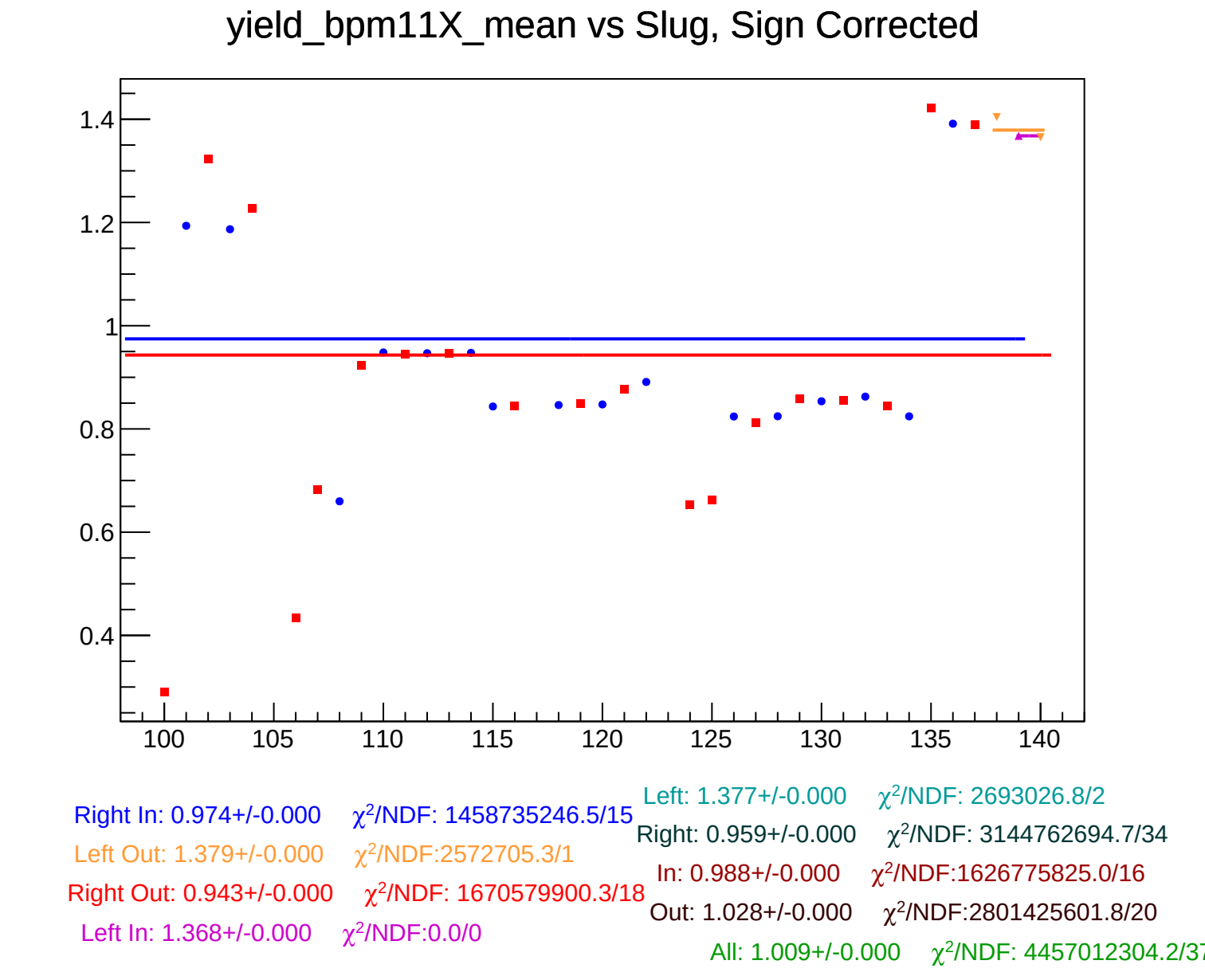
Left: 0.071+/-0.000 χ^2/NDF: 565334.6/2

Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

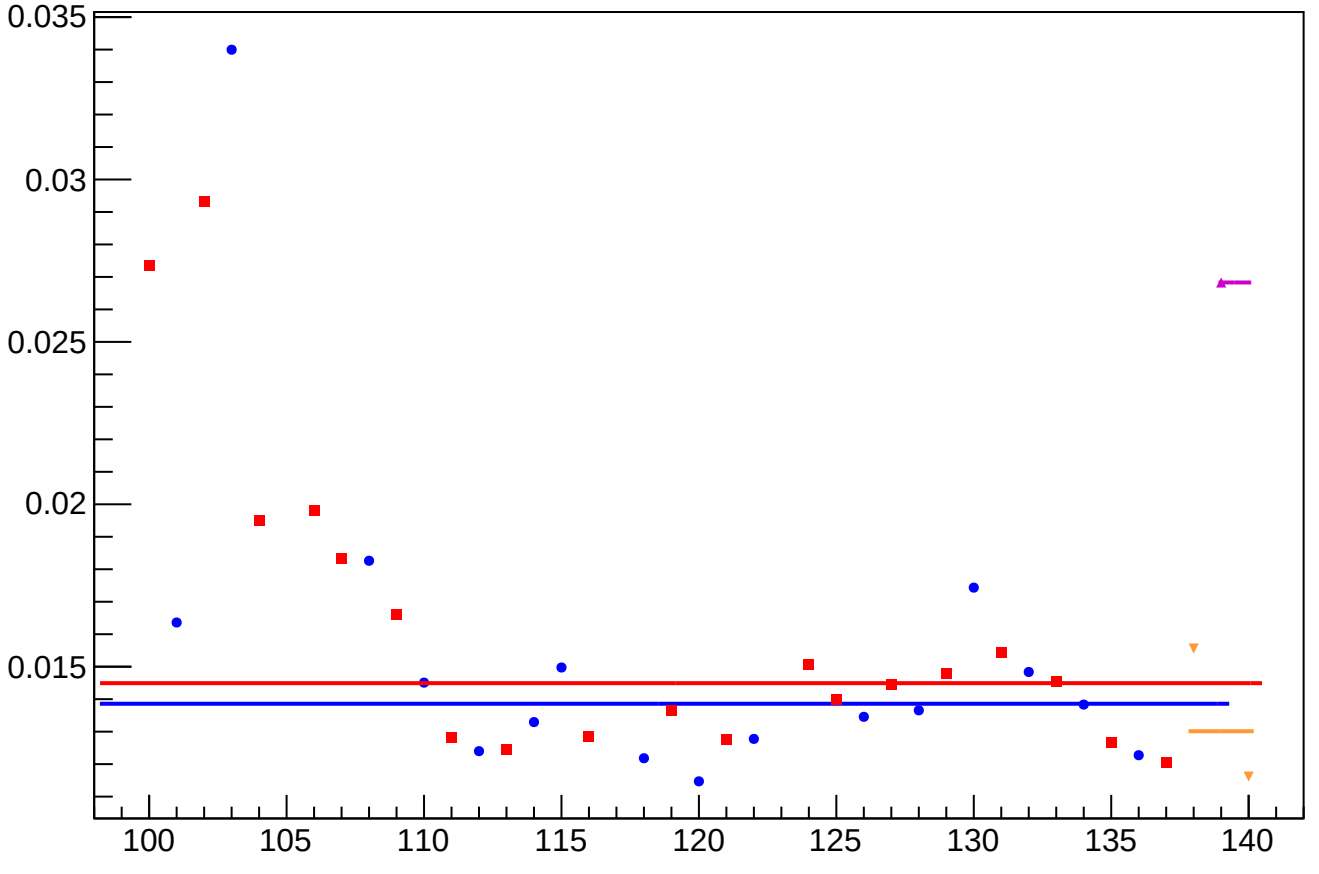
In: 0.031+/-0.000 χ^2/NDF:4091496.4/16

Out: 0.034+/-0.000 χ^2/NDF:3957767.8/20

All: 0.032+/-0.000 χ^2/NDF: 8112052.9/37


yield_bpm11X_mean vs Slug, Sign Corrected
1.4
1.2
1
0.8
0.6
0.4
100
105
110
115
120
125
130
135
140
Right In: 0.974+/-0.000 χ²/NDF: 1458735246.5/15
Left Out: 1.379+/-0.000 χ²/NDF:2572705.3/1
Right Out: 0.943+/-0.000 χ²/NDF: 1670579900.3/18
Left In: 1.368+/-0.000 χ²/NDF:0.0/0
Left: 1.377+/-0.000 χ²/NDF: 2693026.8/2
Right: 0.959+/-0.000 χ²/NDF: 3144762694.7/34
In: 0.988+/-0.000 χ²/NDF:1626775825.0/16
Out: 1.028+/-0.000 χ²/NDF:2801425601.8/20
All: 1.009+/-0.000 χ²/NDF: 4457012304.2/37

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:52462.2/1

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.027+/-0.000 χ^2/NDF:0.0/0

Left: 0.015+/-0.000 χ^2/NDF: 424808.1/2

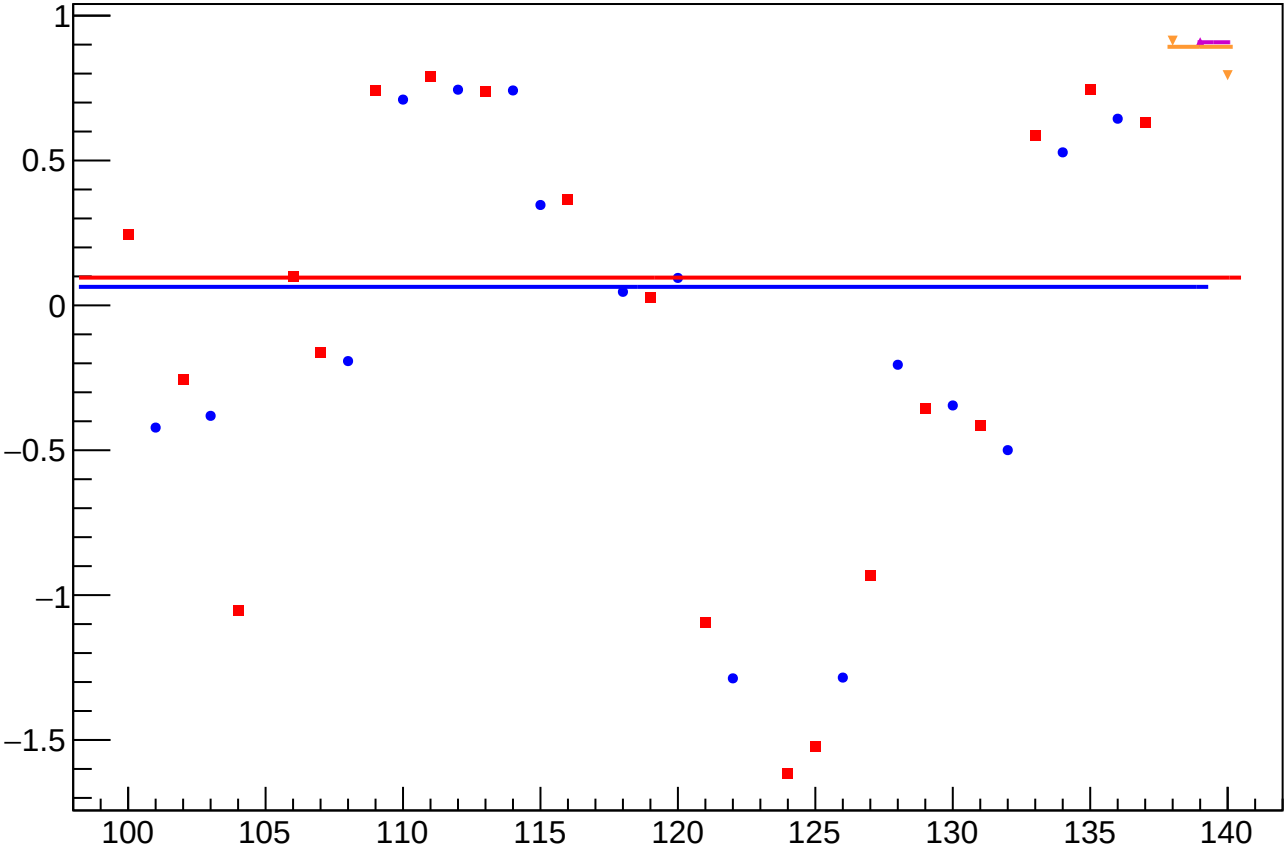
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:965421.0/16

Out: 0.014+/-0.000 χ^2/NDF:622826.9/20

All: 0.014+/-0.000 χ^2/NDF: 1588532.2/37

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.892+/-0.000 χ^2/NDF:48688868.6/1

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.908+/-0.000 χ^2/NDF:0.0/0

Left: 0.901+/-0.000 χ^2/NDF: 51860293.0/2

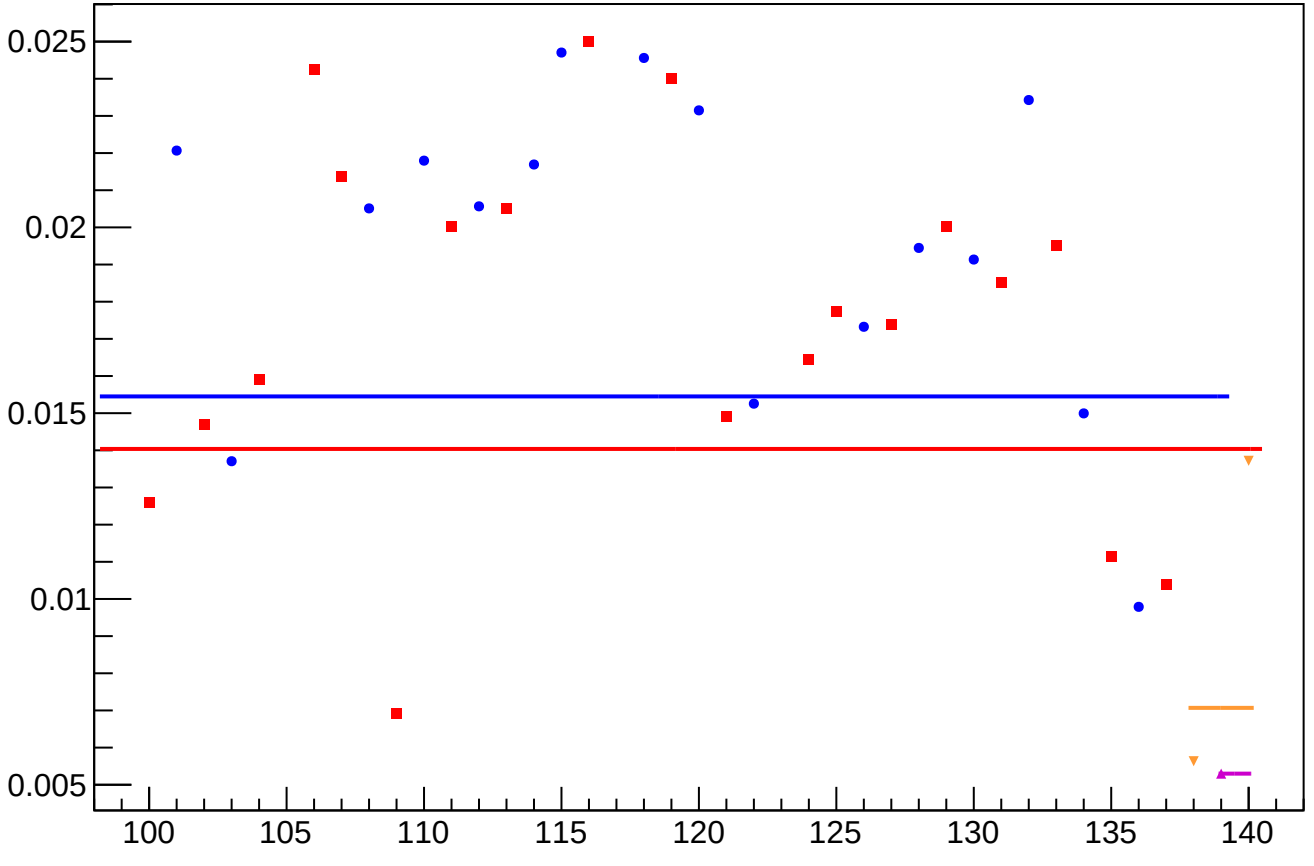
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.511+/-0.000 χ^2/NDF:20539215488.1/16

Out: 0.447+/-0.000 χ^2/NDF:26167394944.5/20

All: 0.479+/-0.000 χ^2/NDF: 46818381884.1/3

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:448199.5/1

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.005+/-0.000 χ^2/NDF:0.0/0

Left: 0.006+/-0.000 χ^2/NDF: 528677.0/2

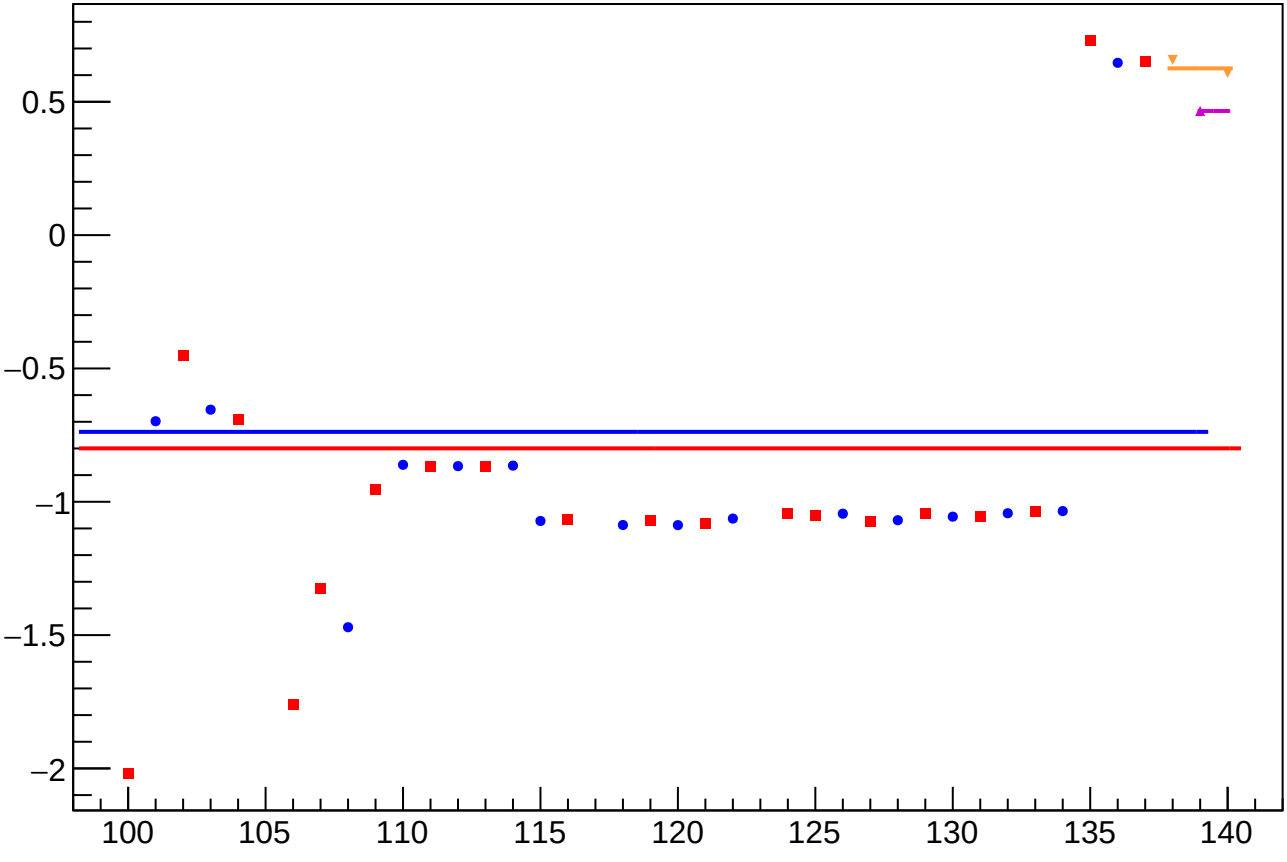
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.010+/-0.000 χ^2/NDF:4041929.7/16

Out: 0.011+/-0.000 χ^2/NDF:3410186.8/20

All: 0.011+/-0.000 χ^2/NDF: 7495185.4/37

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.625+/-0.000 χ^2/NDF:617269.1/1

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.466+/-0.000 χ^2/NDF:0.0/0

Left: 0.605+/-0.000 χ^2/NDF: 4235067.2/2

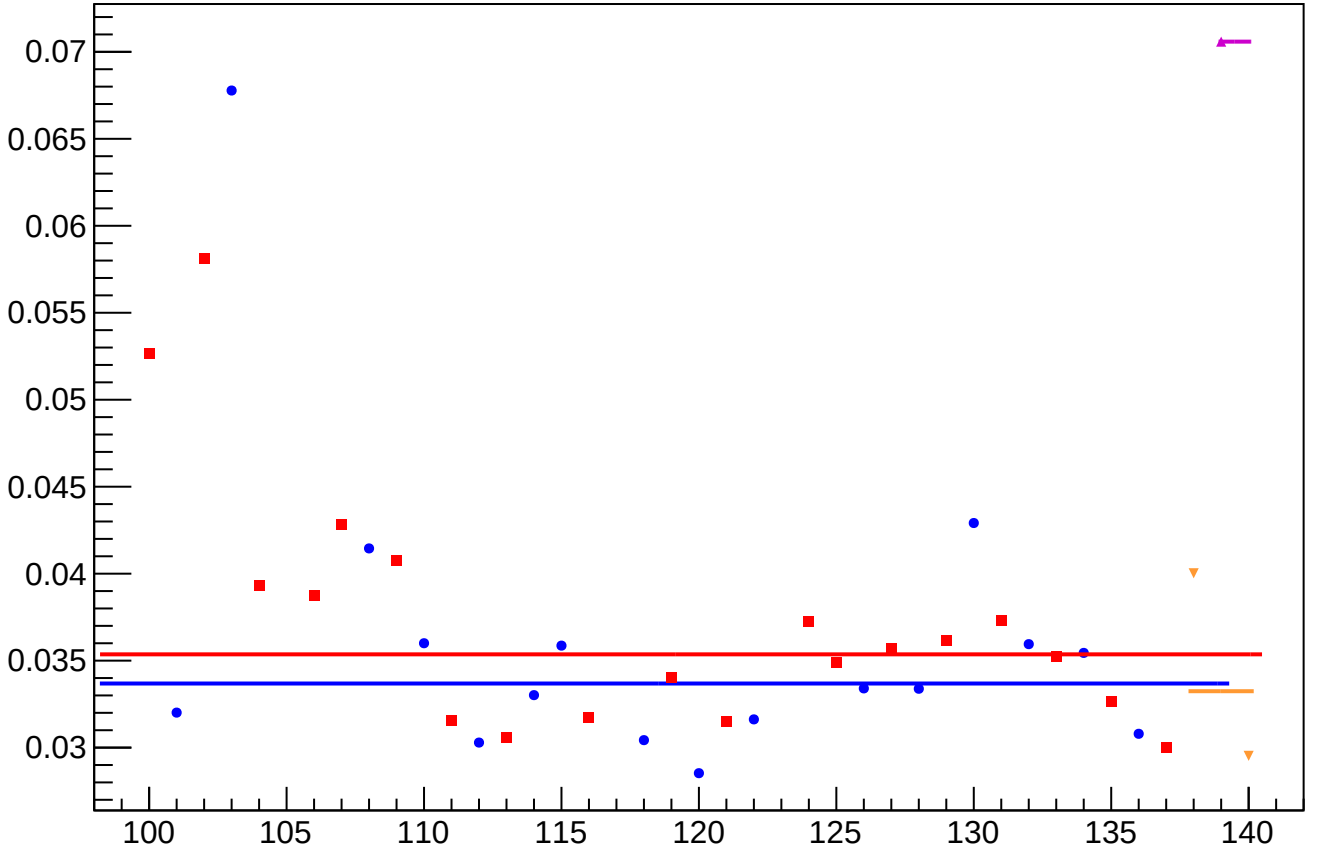
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.704+/-0.000 χ^2/NDF:2300949379.9/16

Out: -0.544+/-0.000 χ^2/NDF:3770744146.4/20

All: -0.620+/-0.000 χ^2/NDF: 6148408002.5/3

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.033+/-0.000 χ^2/NDF:57045.6/1

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.071+/-0.000 χ^2/NDF:0.0/0

Left: 0.038+/-0.000 χ^2/NDF: 452554.2/2

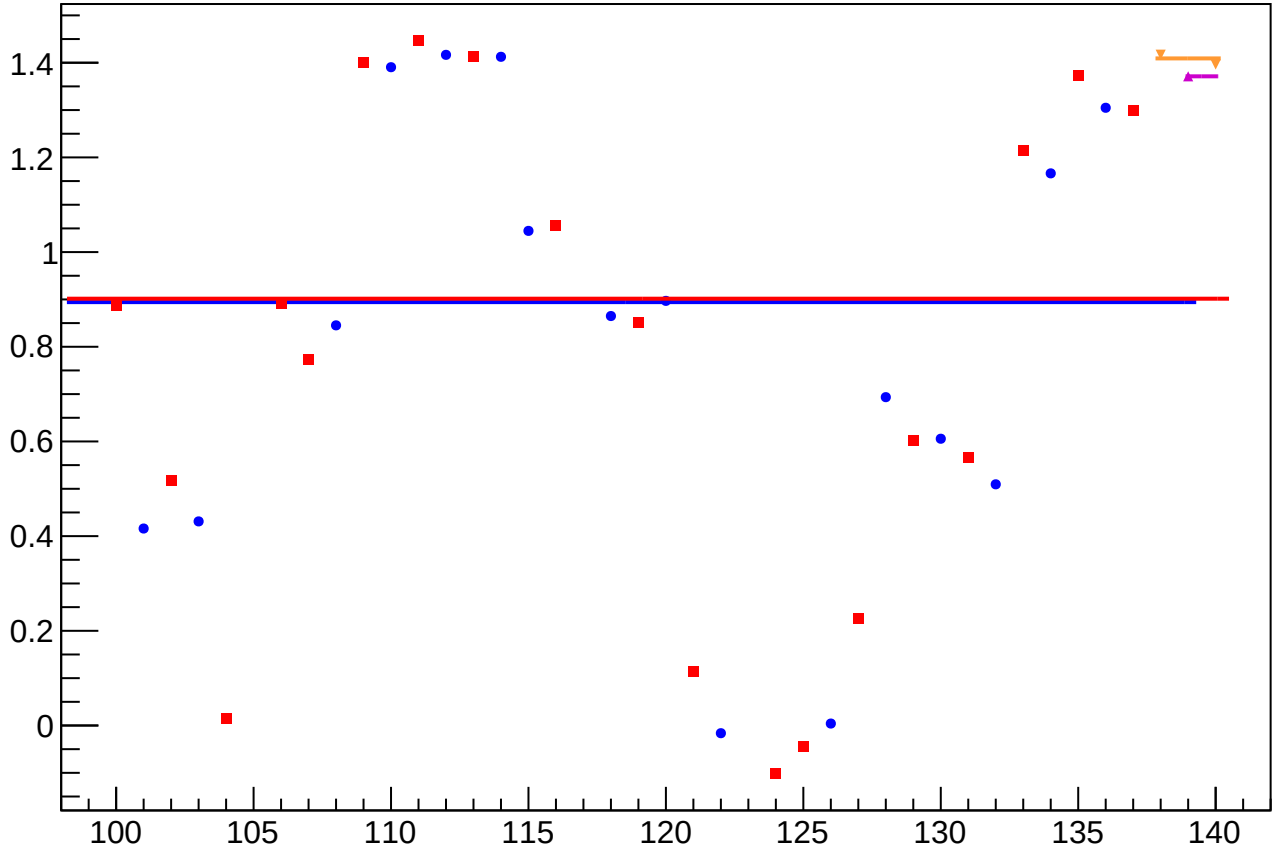
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:849194.6/16

Out: 0.035+/-0.000 χ^2/NDF:361743.5/20

All: 0.035+/-0.000 χ^2/NDF: 1211312.6/37

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.409+/-0.000 χ^2/NDF:2464138.8/1

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.371+/-0.000 χ^2/NDF:0.0/0

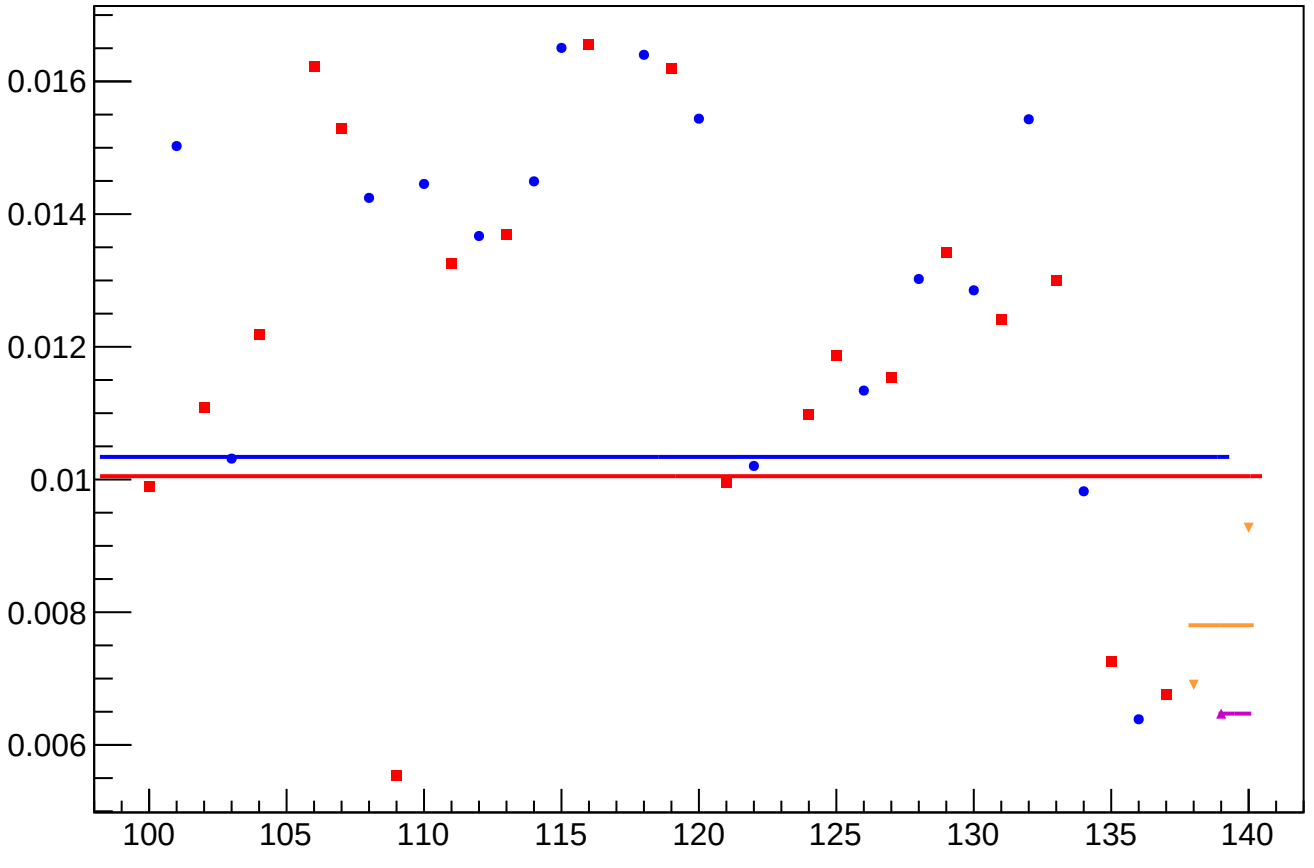
Left: 1.393+/-0.000 χ^2/NDF: 17581298.6/2

Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.014+/-0.000 χ^2/NDF:15941308223.2/16

Out: 1.047+/-0.000 χ^2/NDF:22344887935.5/20

All: 1.032+/-0.000 χ^2/NDF: 38328583706.7/3



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:63784.0/1

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.006+/-0.000 χ^2/NDF:0.0/0

Left: 0.007+/-0.000 χ^2/NDF: 101261.3/2

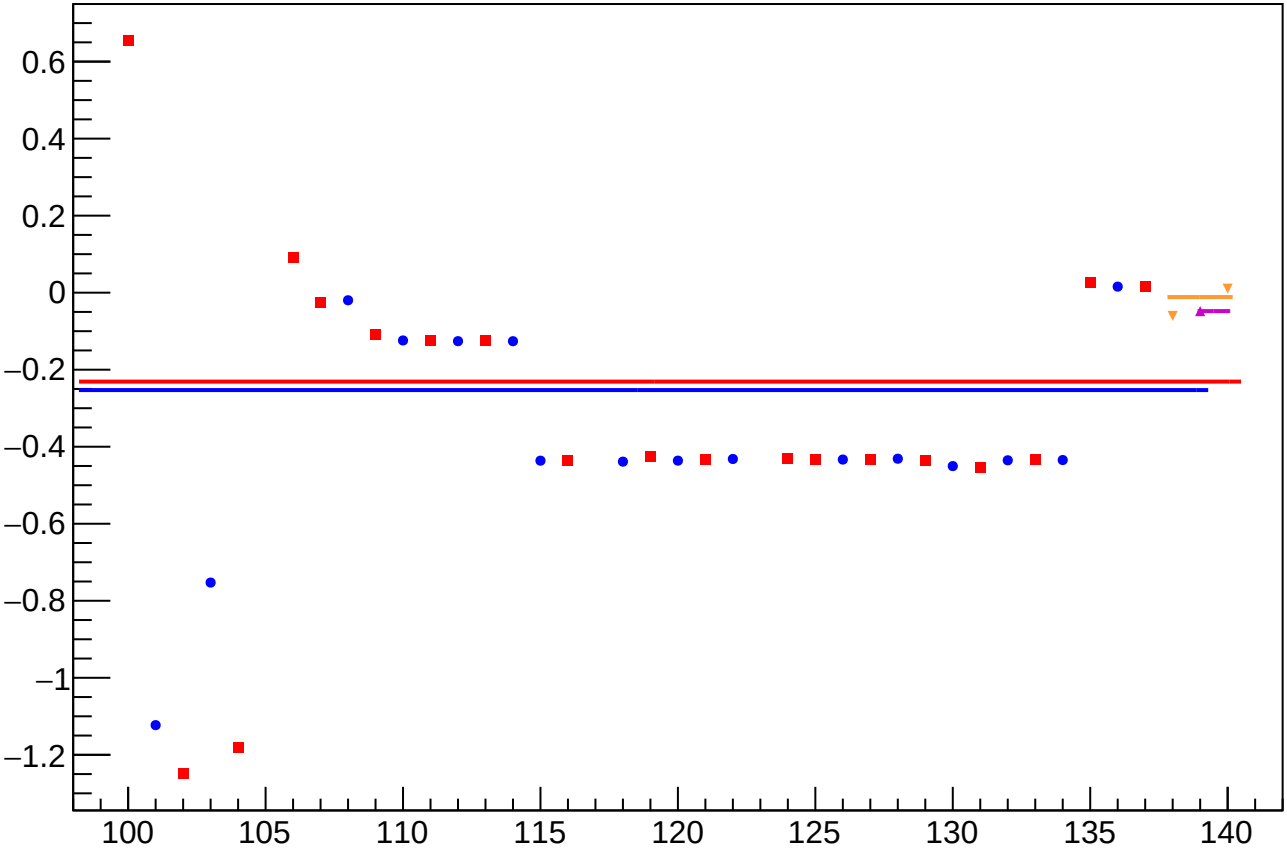
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:1770492.3/16

Out: 0.009+/-0.000 χ^2/NDF:1575013.1/20

All: 0.009+/-0.000 χ^2/NDF: 3345624.2/37

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: -0.011+/-0.000 χ^2/NDF:12672012.4/1

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: -0.048+/-0.000 χ^2/NDF:0.0/0

Left: -0.015+/-0.000 χ^2/NDF: 14089817.8/2

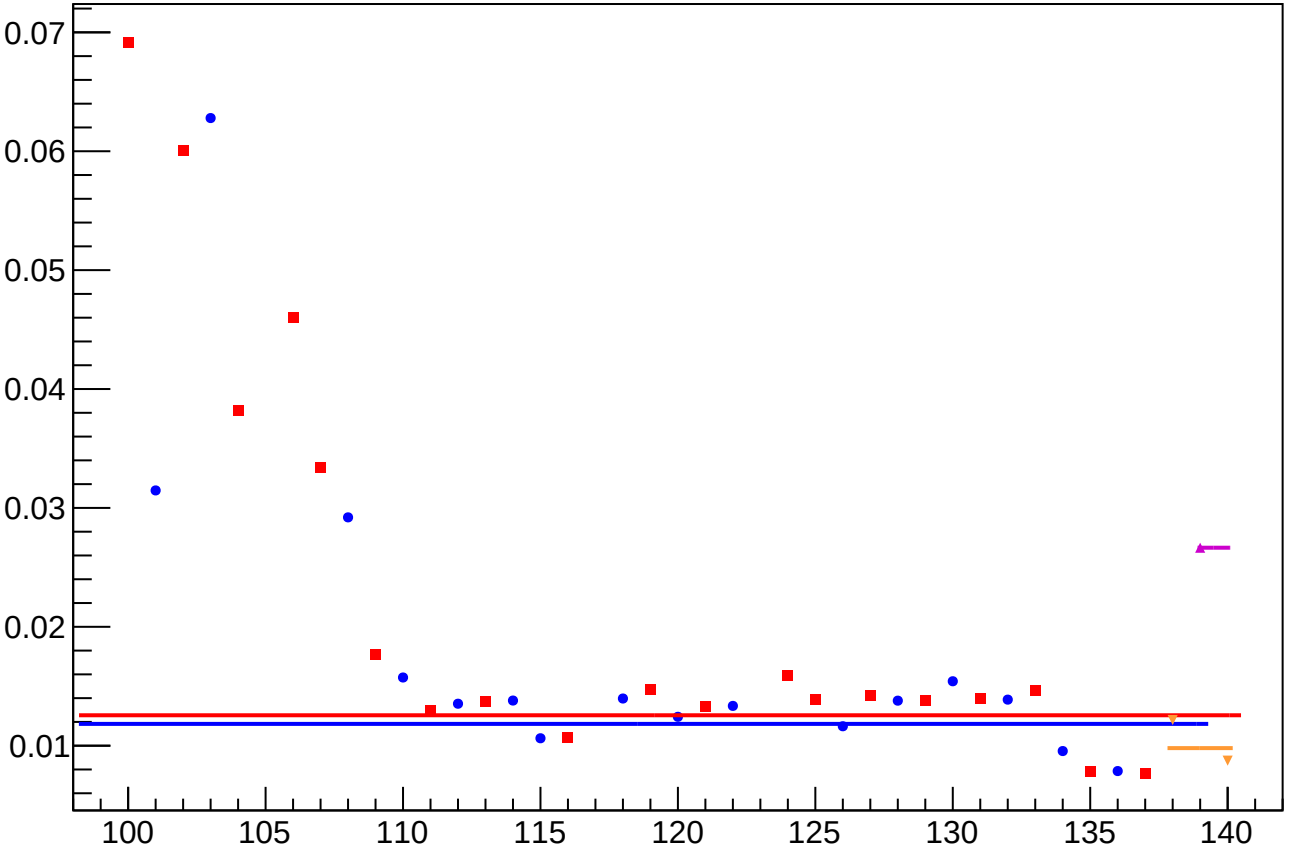
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.246+/-0.000 χ^2/NDF:2072924782.6/16

Out: -0.171+/-0.000 χ^2/NDF:2237945036.6/20

All: -0.206+/-0.000 χ^2/NDF: 4423567068.0/3

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:59230.3/1

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.027+/-0.000 χ^2/NDF:0.0/0

Left: 0.011+/-0.000 χ^2/NDF: 665069.4/2

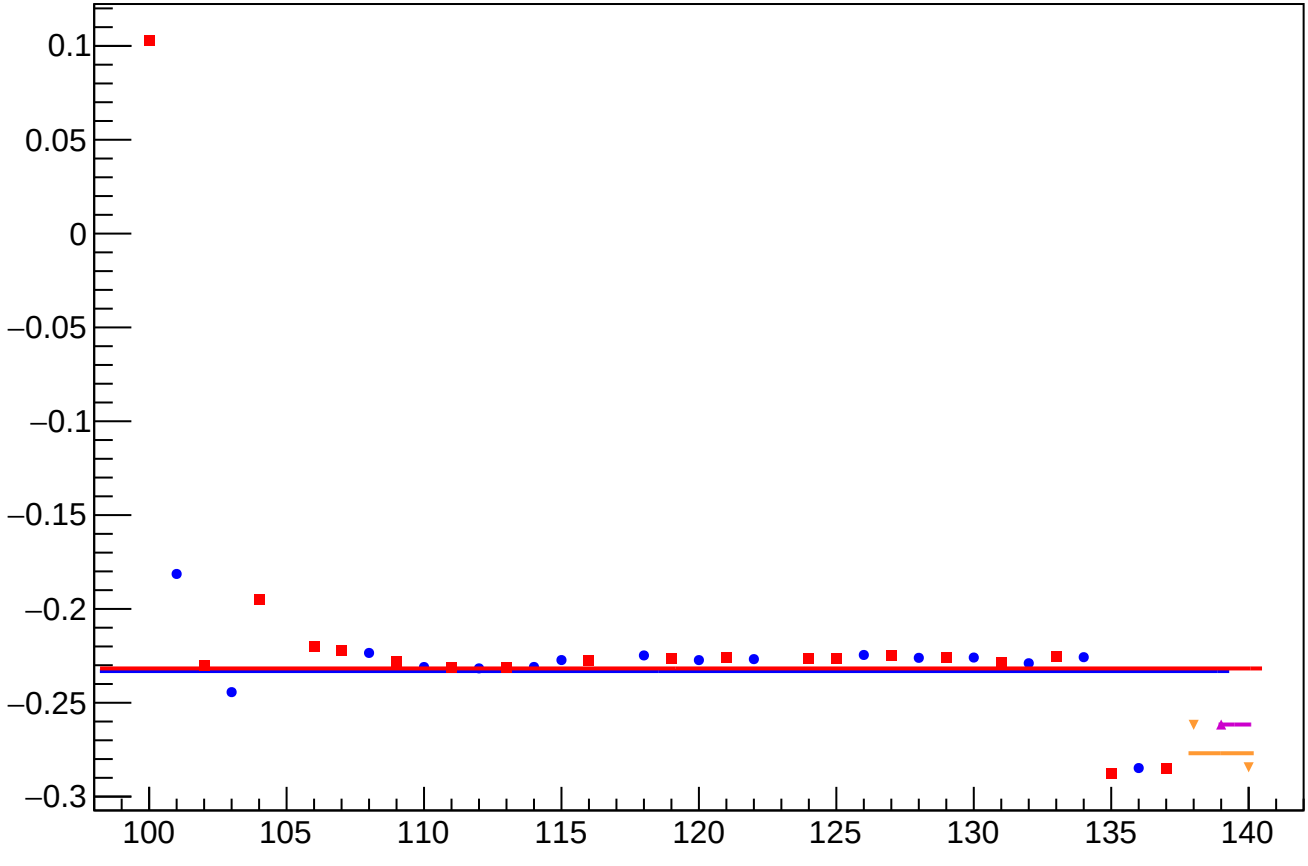
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.012+/-0.000 χ^2/NDF:2440552.0/16

Out: 0.012+/-0.000 χ^2/NDF:2408603.8/20

All: 0.012+/-0.000 χ^2/NDF: 4859103.6/37

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.277+/-0.000 χ^2/NDF:7369992.0/1

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.262+/-0.000 χ^2/NDF:0.0/0

Left: -0.274+/-0.000 χ^2/NDF: 9944734.2/2

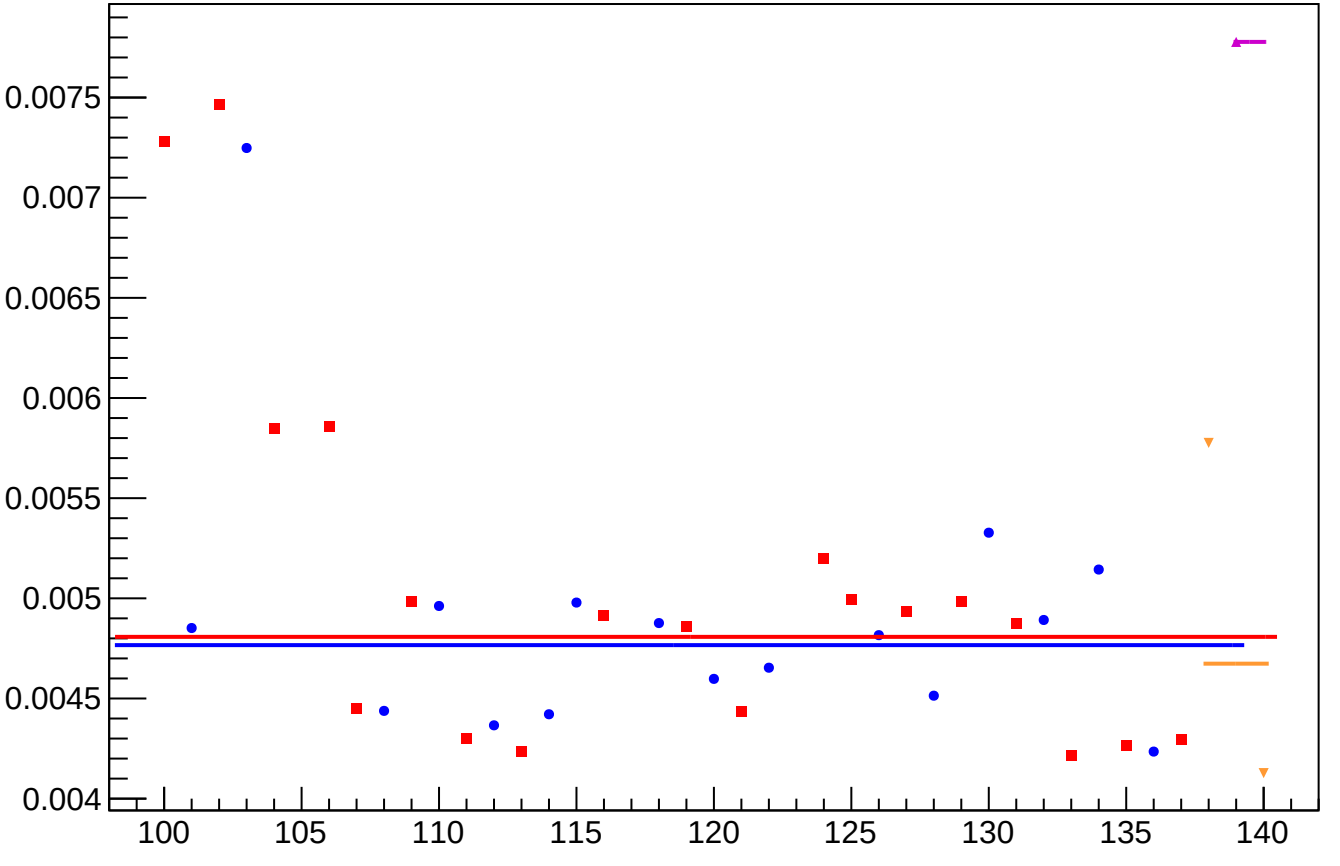
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.234+/-0.000 χ^2/NDF:209324190.3/16

Out: -0.240+/-0.000 χ^2/NDF:402878310.9/20

All: -0.237+/-0.000 χ^2/NDF: 617271628.1/37

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:78160.4/1

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.008+/-0.000 χ^2/NDF:0.0/0

Left: 0.005+/-0.000 χ^2/NDF: 290005.1/2

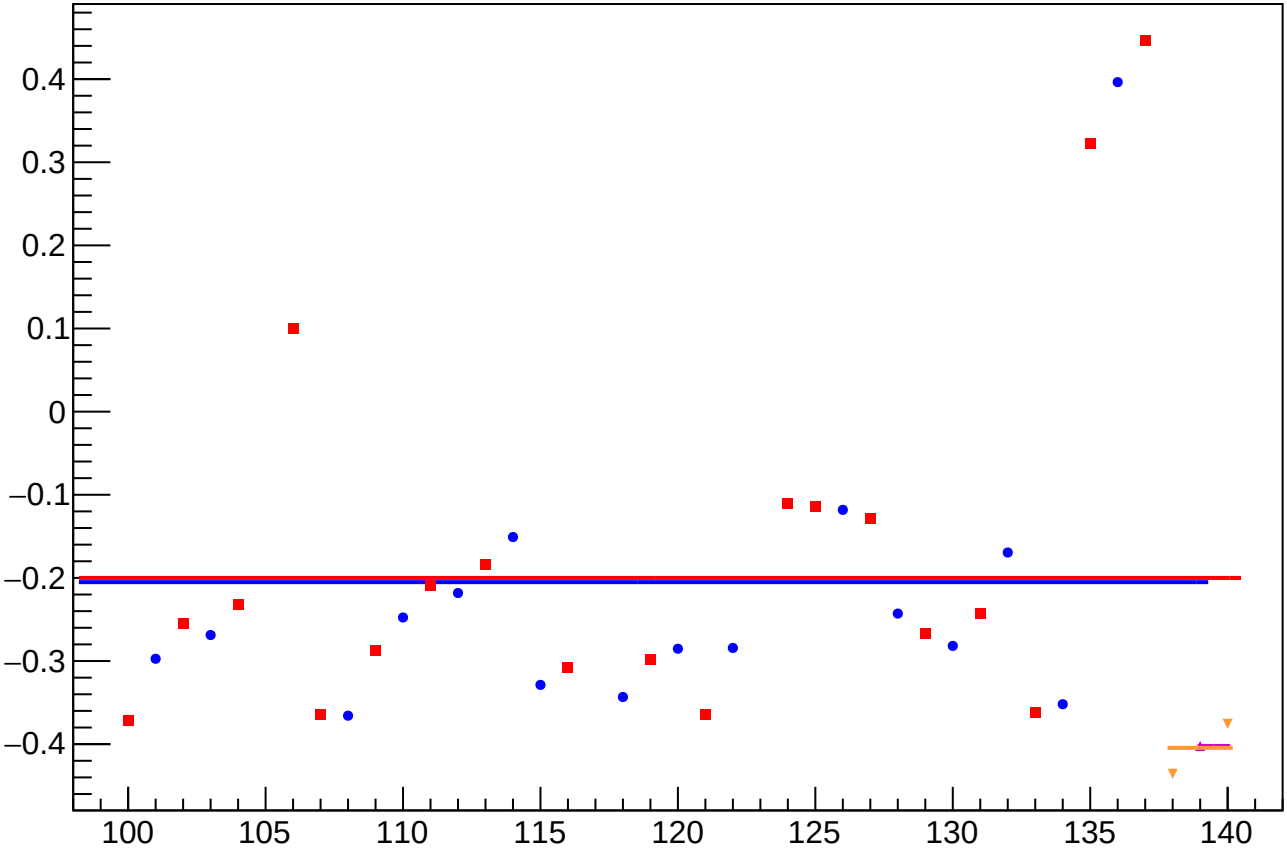
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:421112.9/16

Out: 0.005+/-0.000 χ^2/NDF:373798.0/20

All: 0.005+/-0.000 χ^2/NDF: 799379.1/37

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.404+/-0.000 χ^2/NDF:56146737.9/1

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.402+/-0.000 χ^2/NDF:0.0/0

Left: -0.404+/-0.000 χ^2/NDF: 56254968.0/2

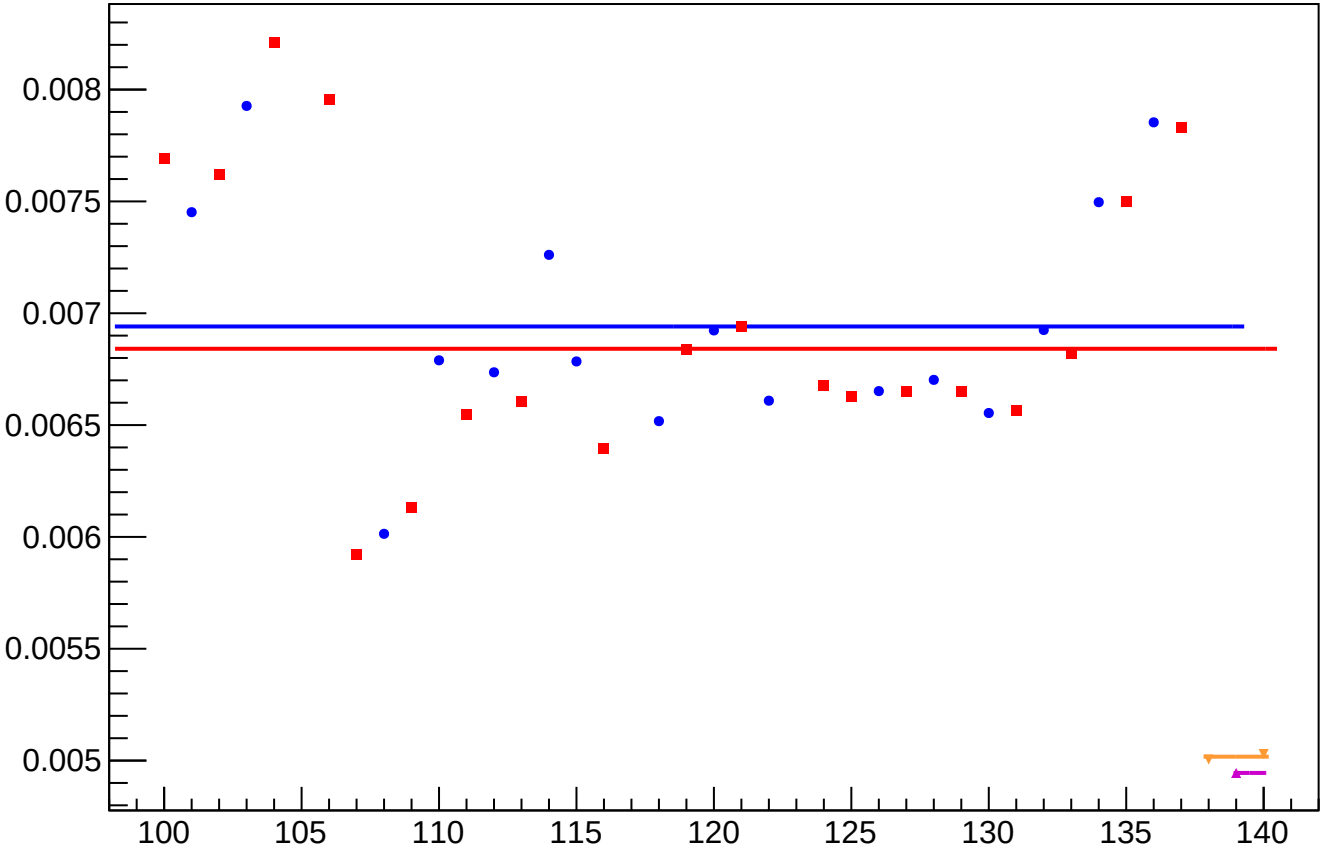
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.242+/-0.000 χ^2/NDF:7249993937.4/16

Out: -0.259+/-0.000 χ^2/NDF:7158331277.4/20

All: -0.251+/-0.000 χ^2/NDF: 14436247648.1/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:18.7/1

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.005+/-0.000 χ^2/NDF:0.0/0

Left: 0.005+/-0.000 χ^2/NDF: 248.9/2

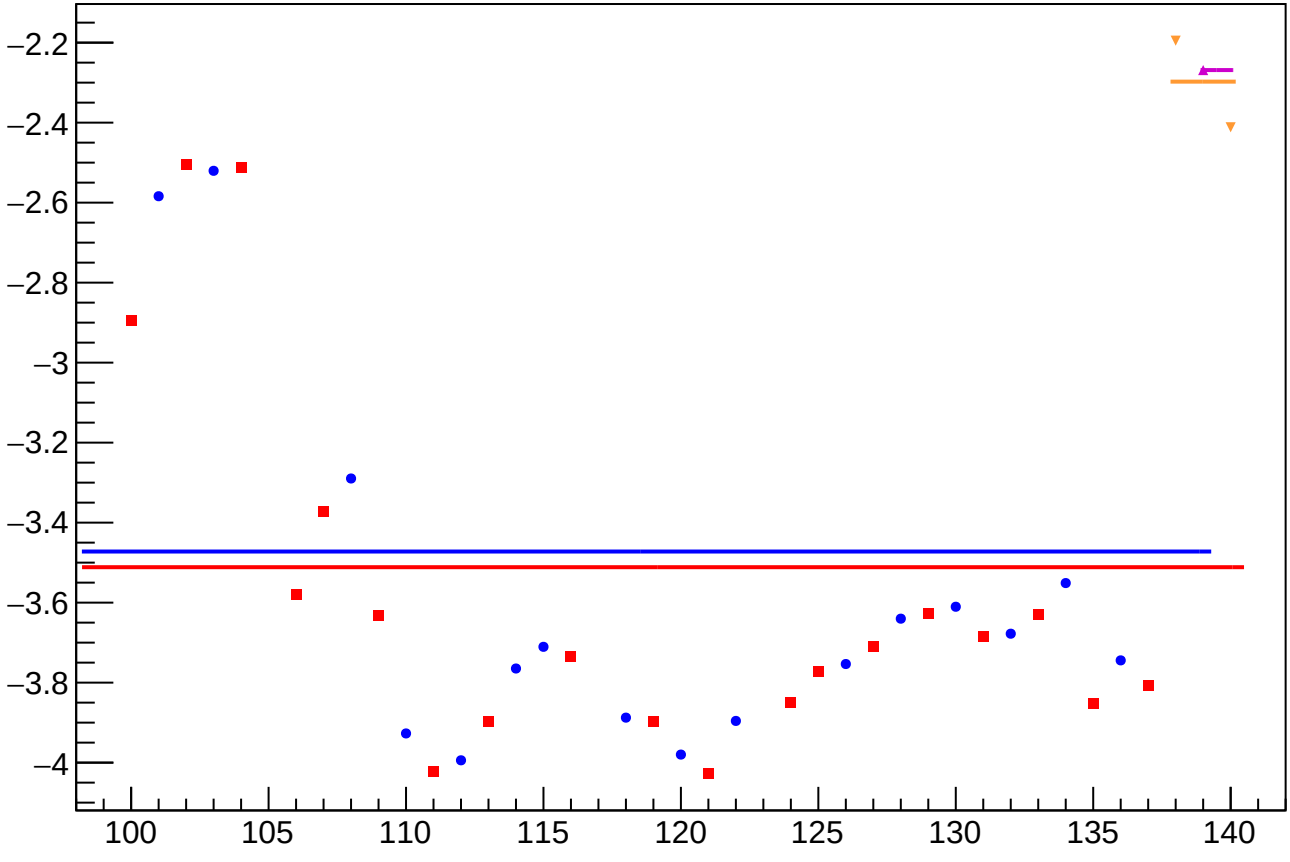
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.007+/-0.000 χ^2/NDF:302762.9/16

Out: 0.006+/-0.000 χ^2/NDF:394815.2/20

All: 0.006+/-0.000 χ^2/NDF: 709942.2/37

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.297+/-0.000 χ^2/NDF:189056410.6/1

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.269+/-0.000 χ^2/NDF:0.0/0

Left: -2.287+/-0.000 χ^2/NDF: 193792678.2/2

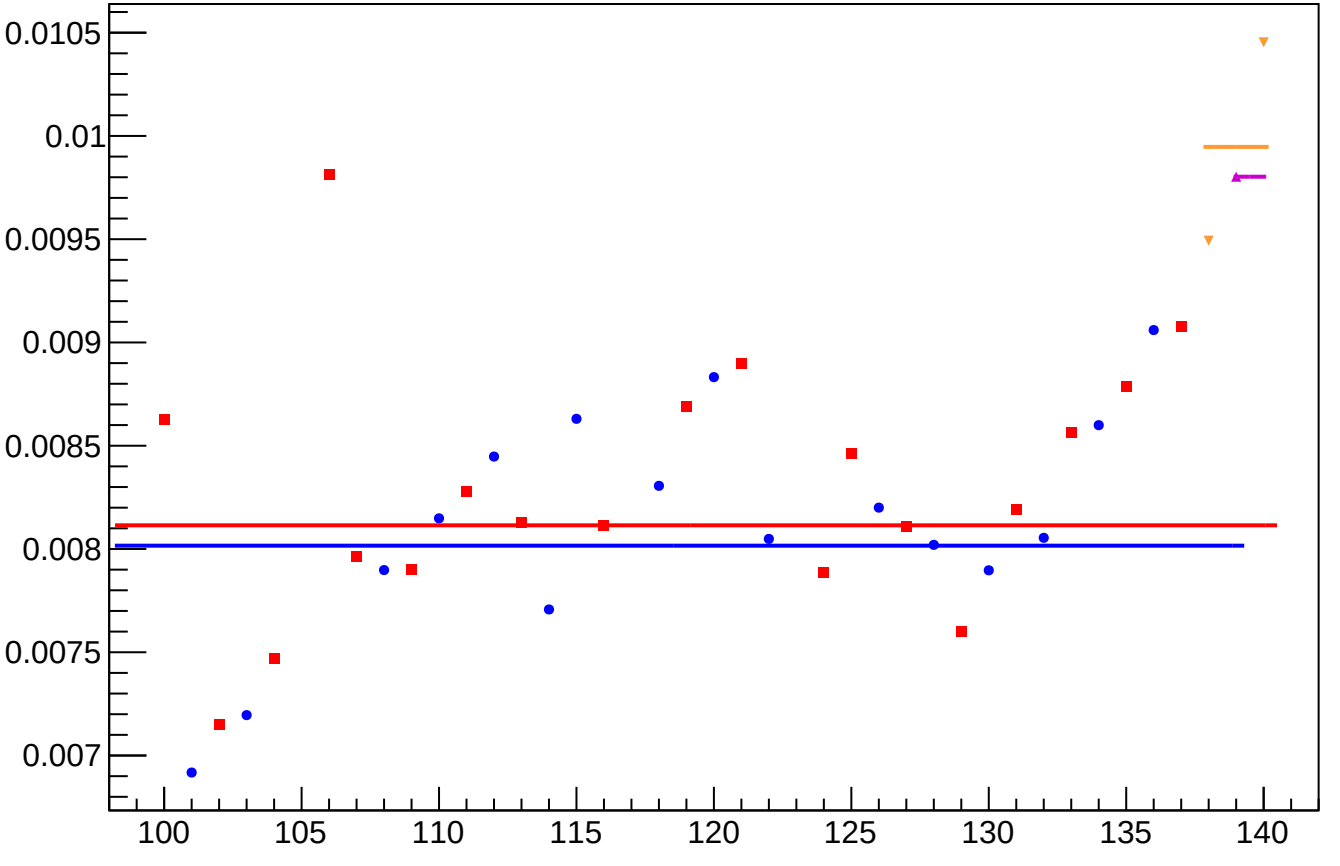
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -3.383+/-0.000 χ^2/NDF:41291190814.0/16

Out: -3.353+/-0.000 χ^2/NDF:50638261356.2/20

All: -3.368+/-0.000 χ^2/NDF: 91982017073.9/

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:7438.0/1

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.010+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.000 χ^2/NDF: 7674.2/2

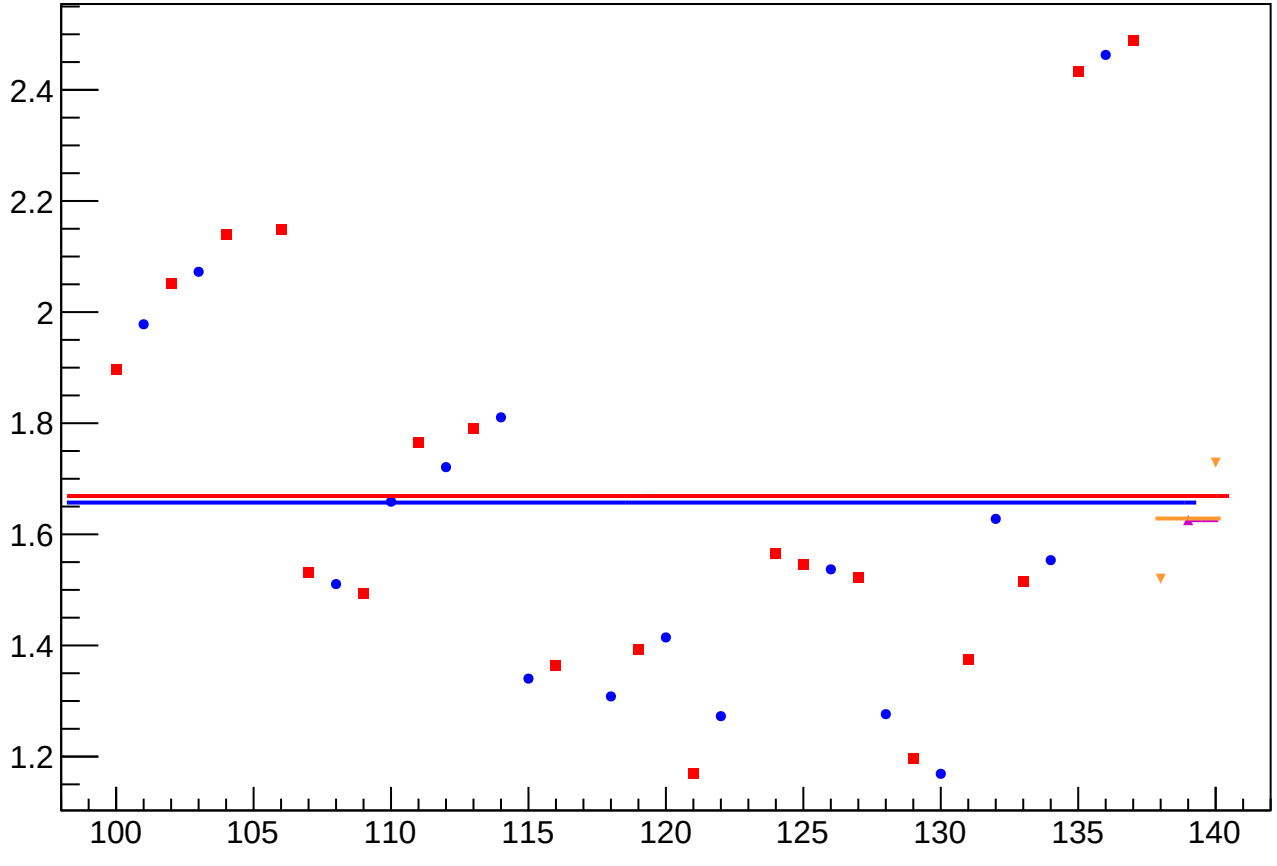
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:137778.8/16

Out: 0.008+/-0.000 χ^2/NDF:172979.1/20

All: 0.008+/-0.000 χ^2/NDF: 315807.9/37

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.629+/-0.000 χ^2/NDF:144146539.9/1

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.626+/-0.000 χ^2/NDF:0.0/0

Left: 1.627+/-0.000 χ^2/NDF: 144188242.7/2

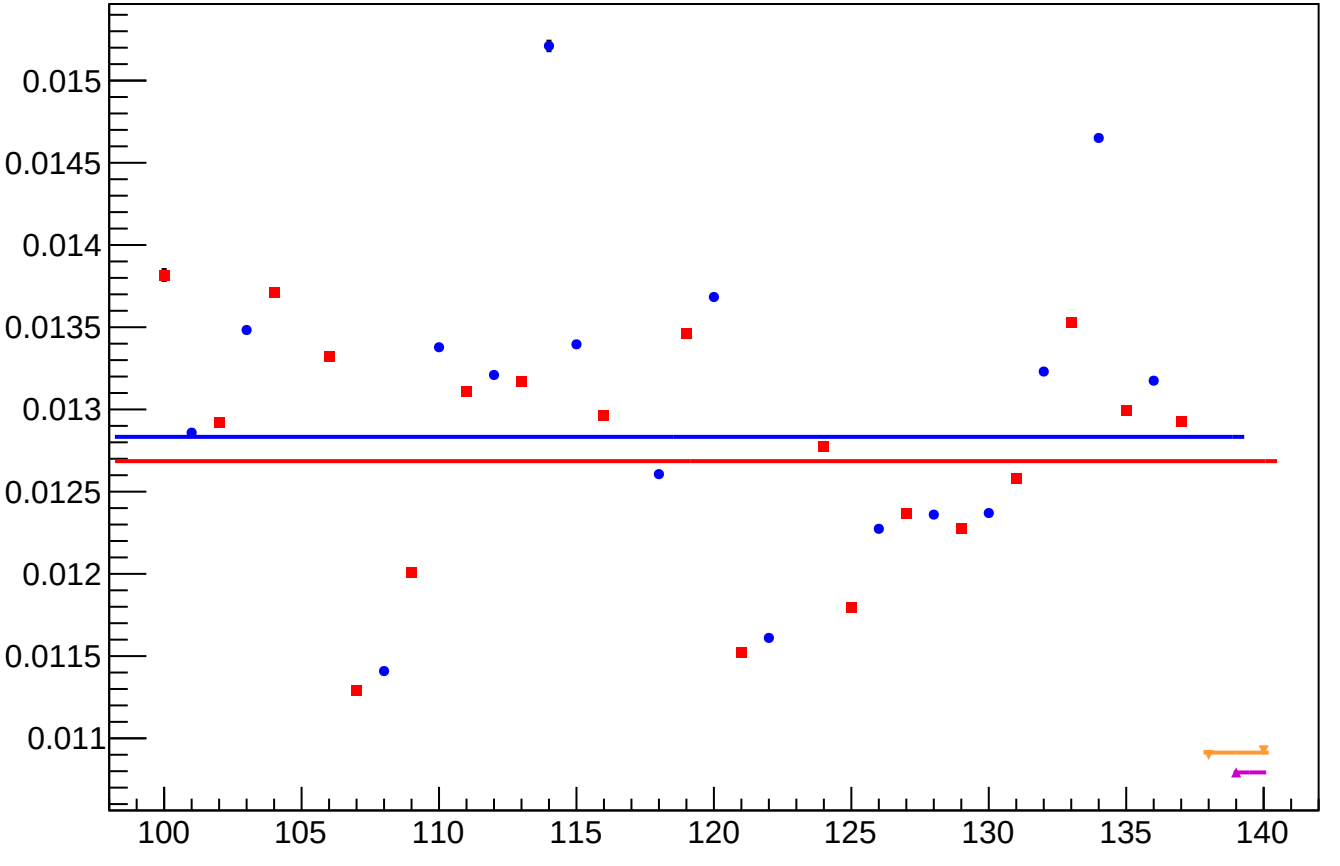
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.653+/-0.000 χ^2/NDF:6672276110.5/16

Out: 1.660+/-0.000 χ^2/NDF:6518409669.3/20

All: 1.656+/-0.000 χ^2/NDF: 13192033451.3/3

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:5.2/1

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:0.0/0

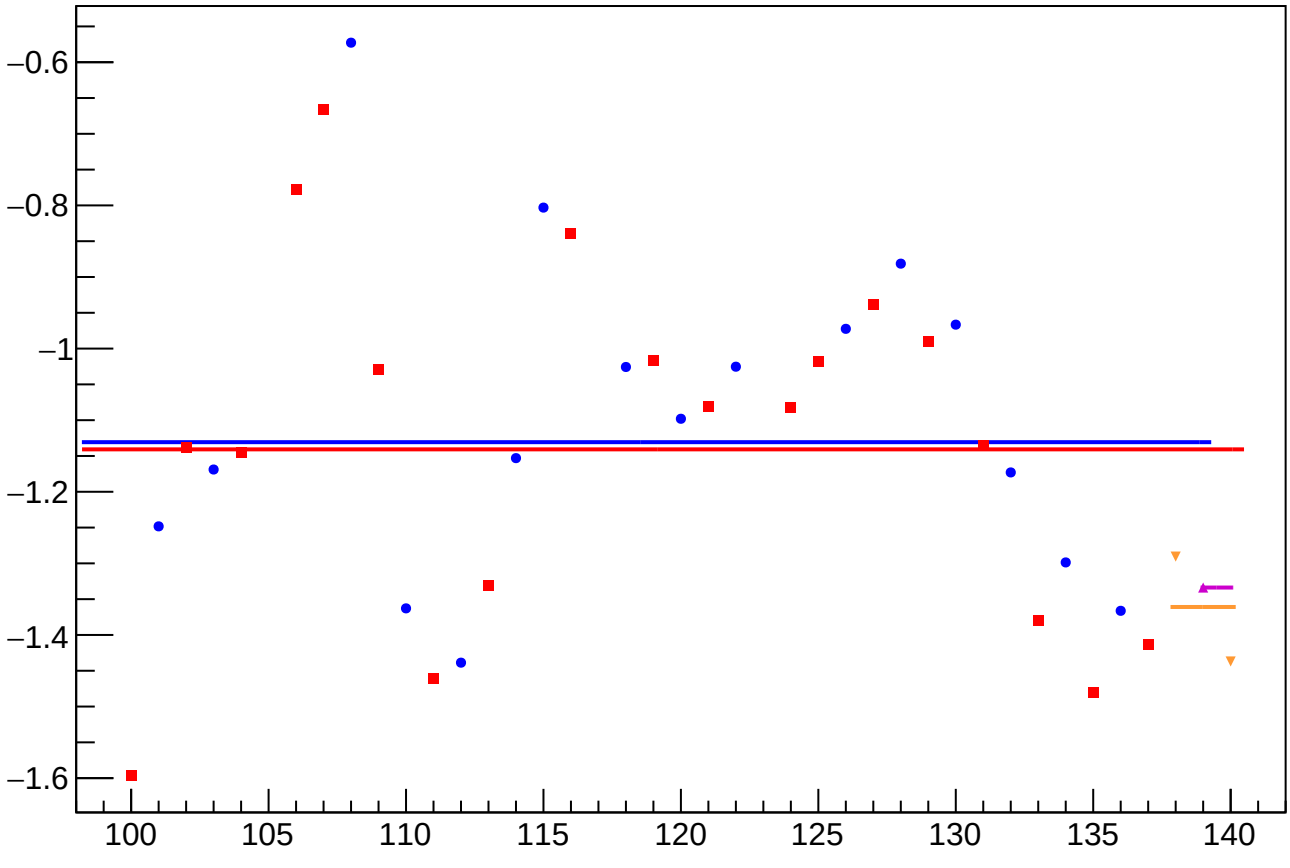
Left: 0.011+/-0.000 χ^2/NDF: 139.9/2

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.013+/-0.000 χ^2/NDF:103380.8/16

Out: 0.012+/-0.000 χ^2/NDF:107421.1/20

All: 0.012+/-0.000 χ^2/NDF: 214387.1/37



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.361+/-0.000 χ^2/NDF:130888295.3/1

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.334+/-0.000 χ^2/NDF:0.0/0

Left: -1.352+/-0.000 χ^2/NDF: 136923102.1/2

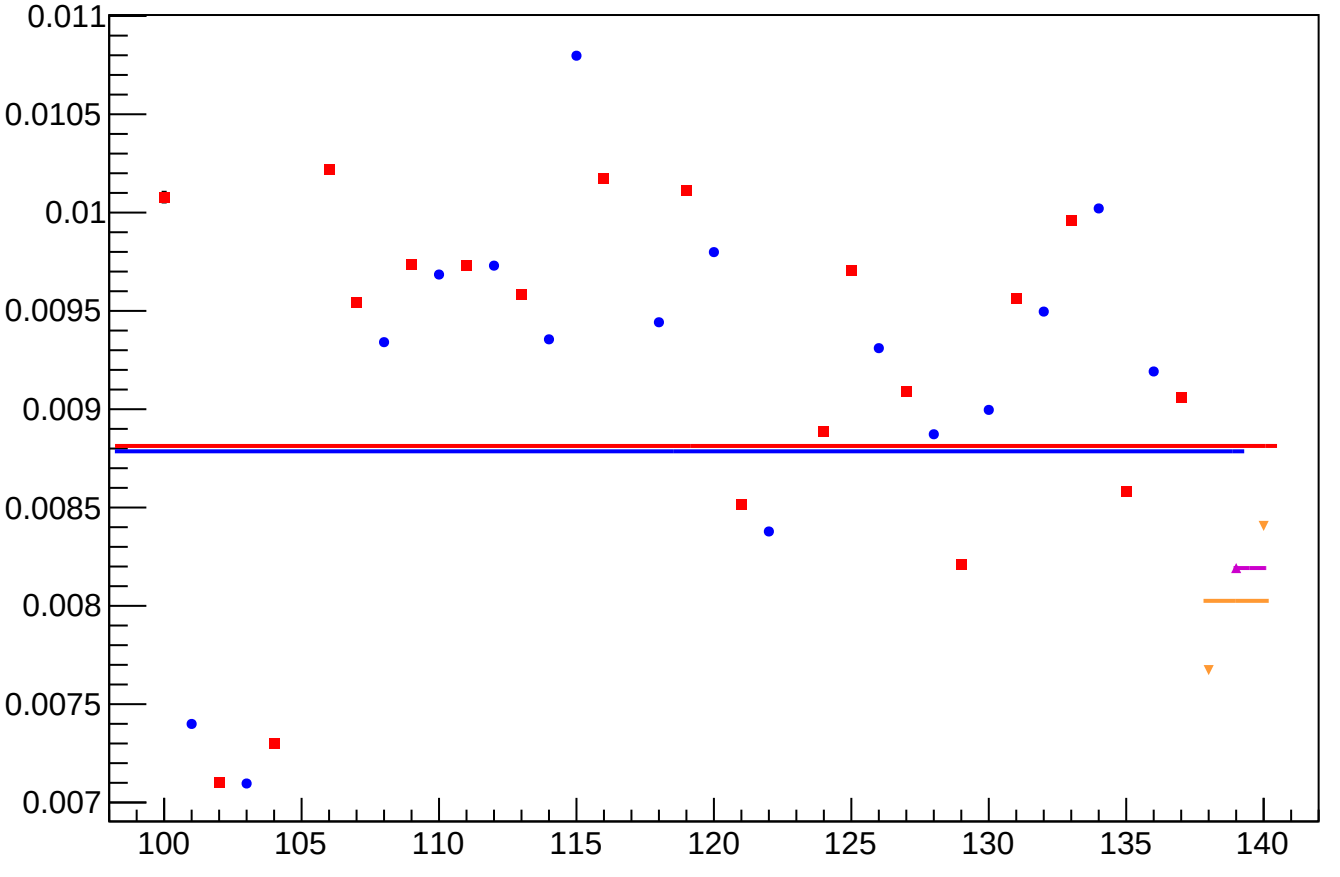
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.155+/-0.000 χ^2/NDF:4236130970.9/16

Out: -1.188+/-0.000 χ^2/NDF:4604942286.5/20

All: -1.173+/-0.000 χ^2/NDF: 8897855414.4/3

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:6559.8/1

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:0.0/0

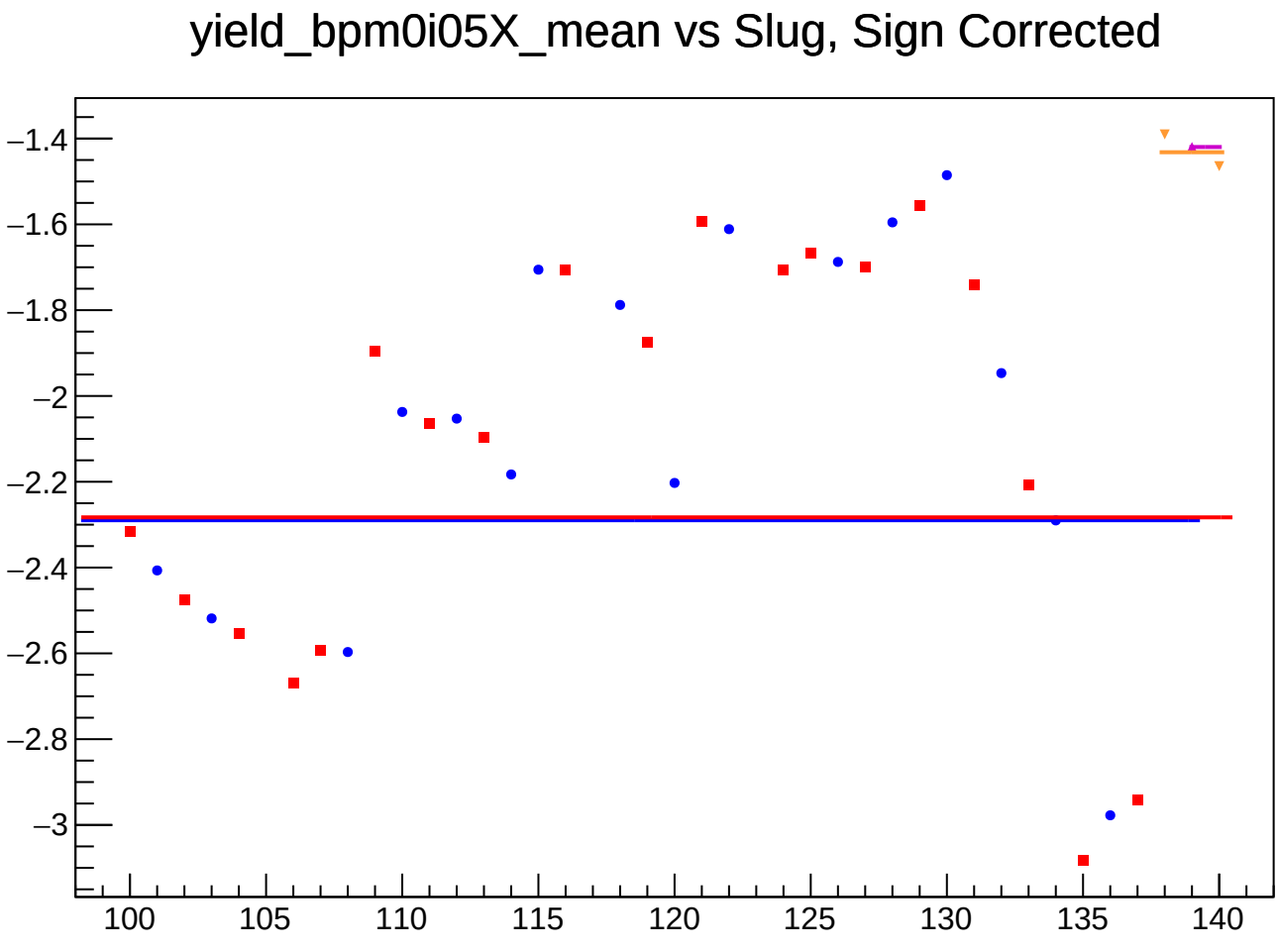
Left: 0.008+/-0.000 χ^2/NDF: 7015.2/2

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:181102.2/16

Out: 0.009+/-0.000 χ^2/NDF:234812.5/20

All: 0.009+/-0.000 χ^2/NDF: 416432.2/37



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.432+/-0.000 χ^2/NDF:24157682.8/1

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -1.420+/-0.000 χ^2/NDF:0.0/0

Left: -1.428+/-0.000 χ^2/NDF: 24996990.4/2

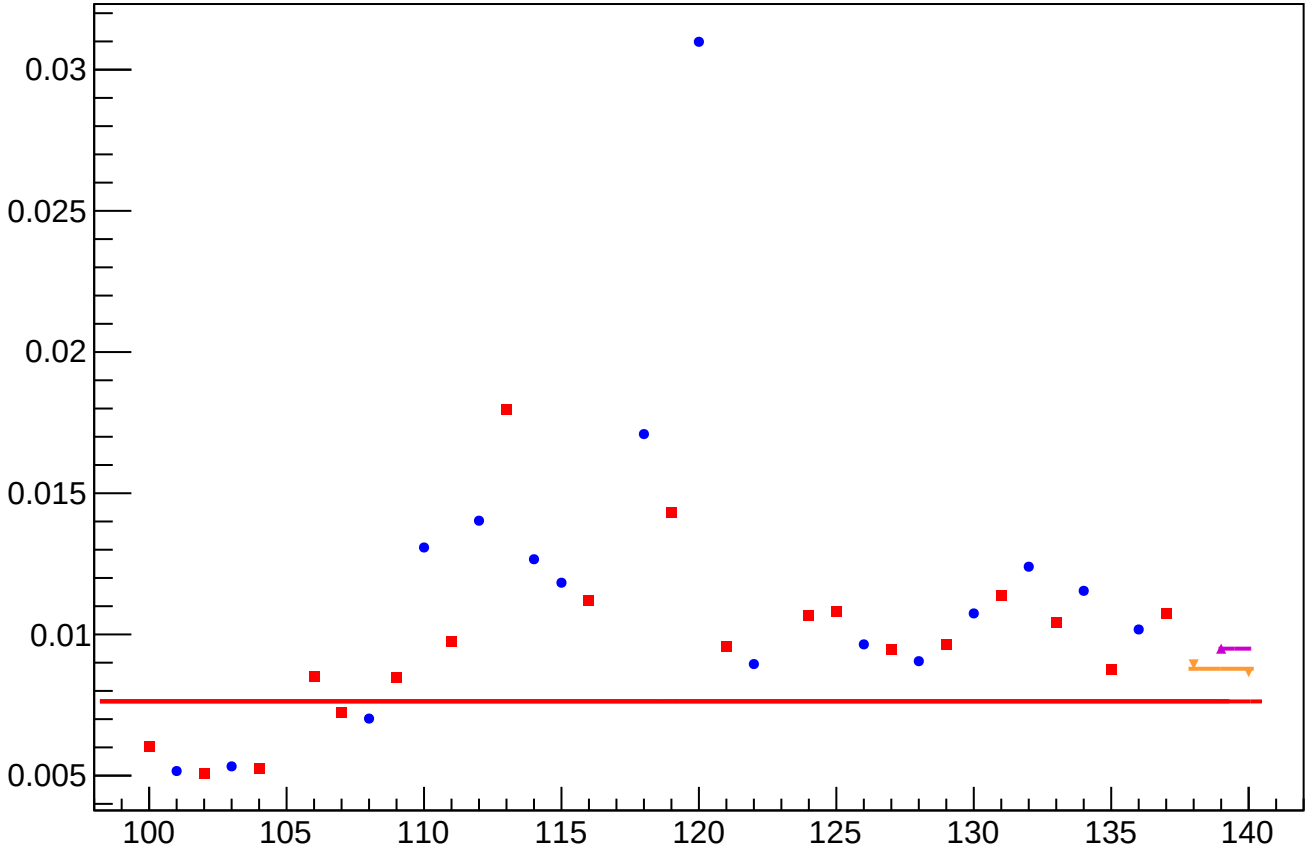
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -2.215+/-0.000 χ^2/NDF:20913073374.3/16

Out: -2.148+/-0.000 χ^2/NDF:27965434558.8/20

All: -2.179+/-0.000 χ^2/NDF: 49105939023.2/

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:666.9/1

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/0

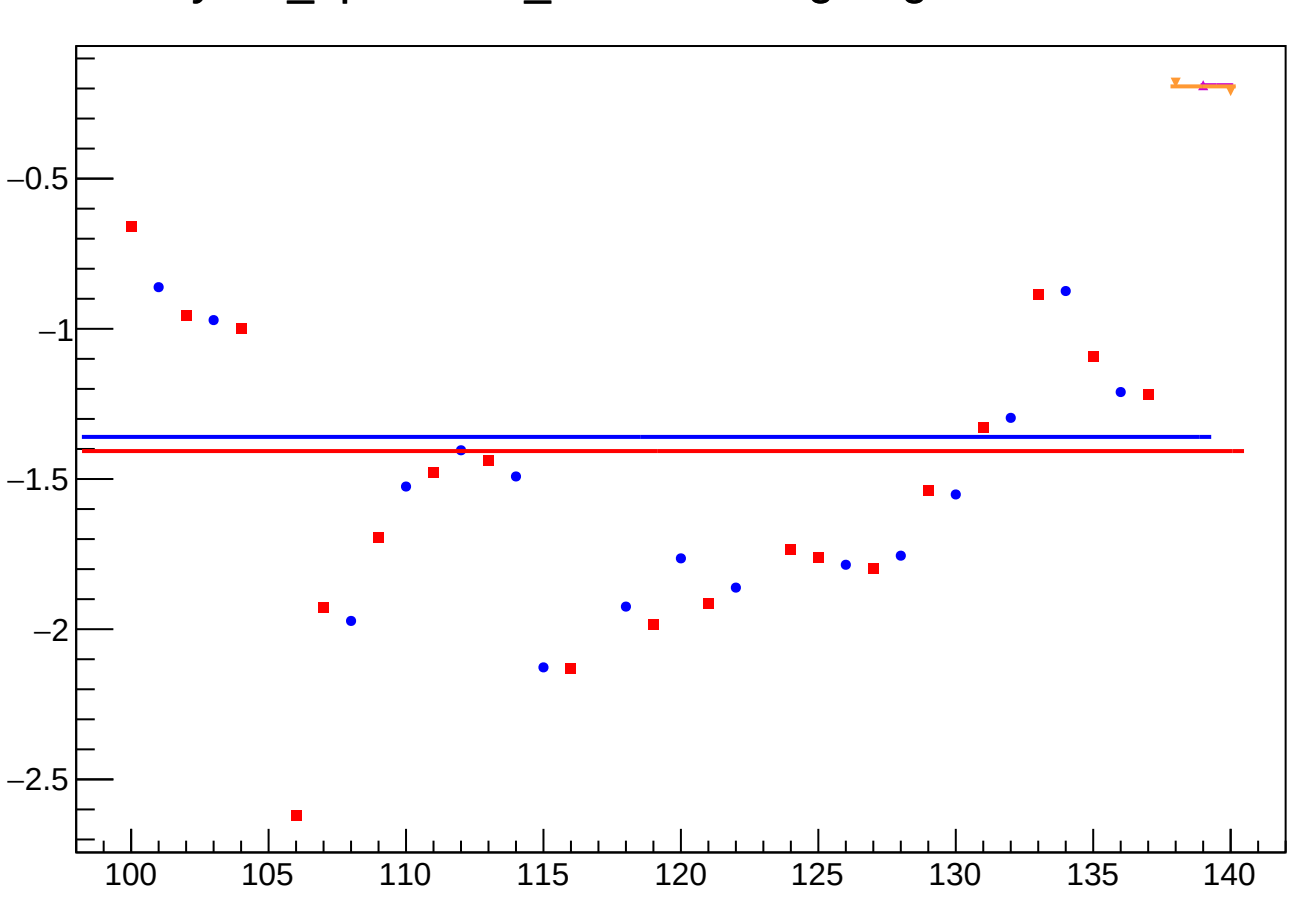
Left: 0.009+/-0.000 χ^2/NDF: 6383.8/2

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:1763047.7/16

Out: 0.008+/-0.000 χ^2/NDF:1358741.3/20

All: 0.008+/-0.000 χ^2/NDF: 3121819.0/37



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.193+/-0.000 χ^2/NDF:14593169.4/1

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.189+/-0.000 χ^2/NDF:0.0/0

Left: -0.191+/-0.000 χ^2/NDF: 15049074.3/2

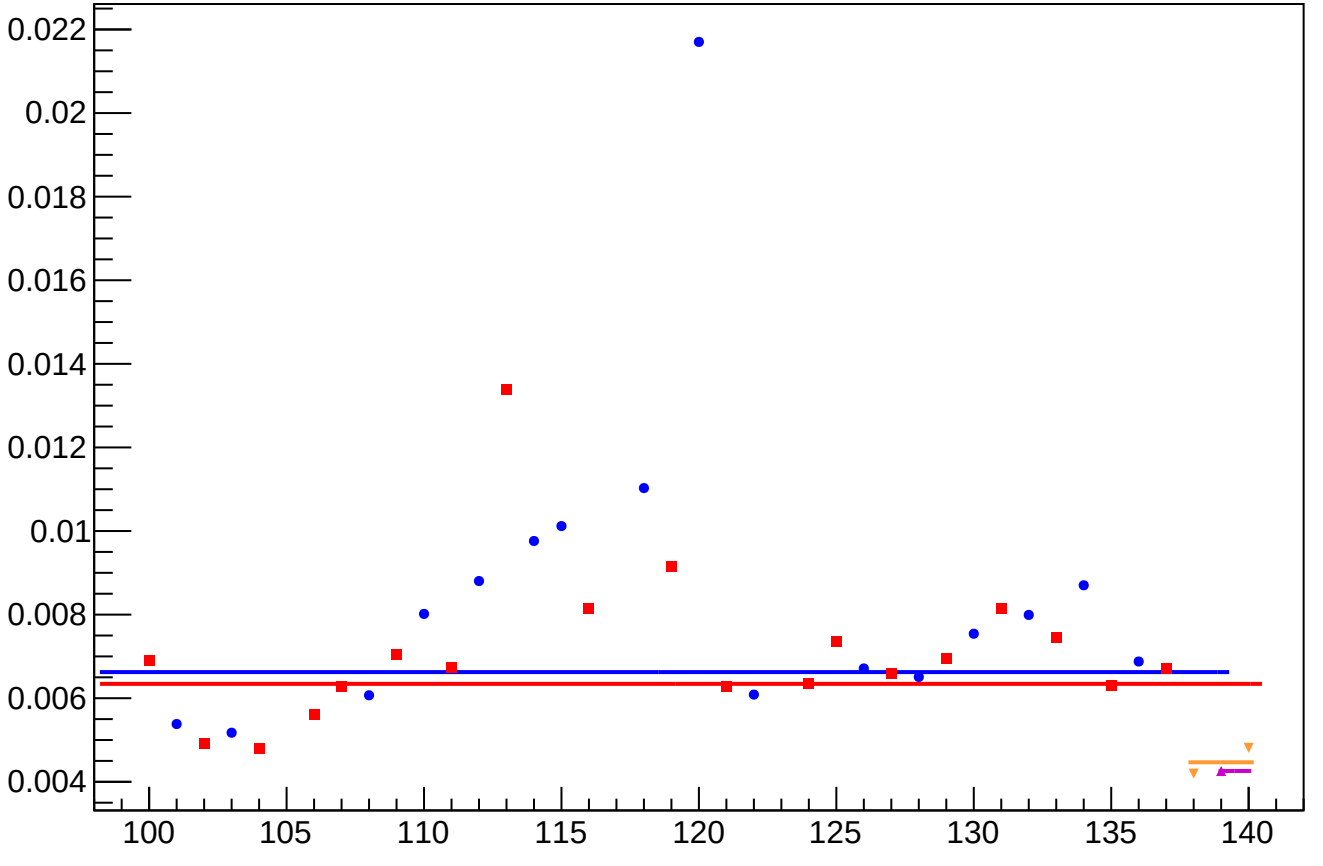
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -1.066+/-0.000 χ^2/NDF:66861255355.8/16

Out: -1.005+/-0.000 χ^2/NDF:104087444824.0/20

All: -1.032+/-0.000 χ^2/NDF: 171320229037.

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:14118.8/1

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 16529.5/2

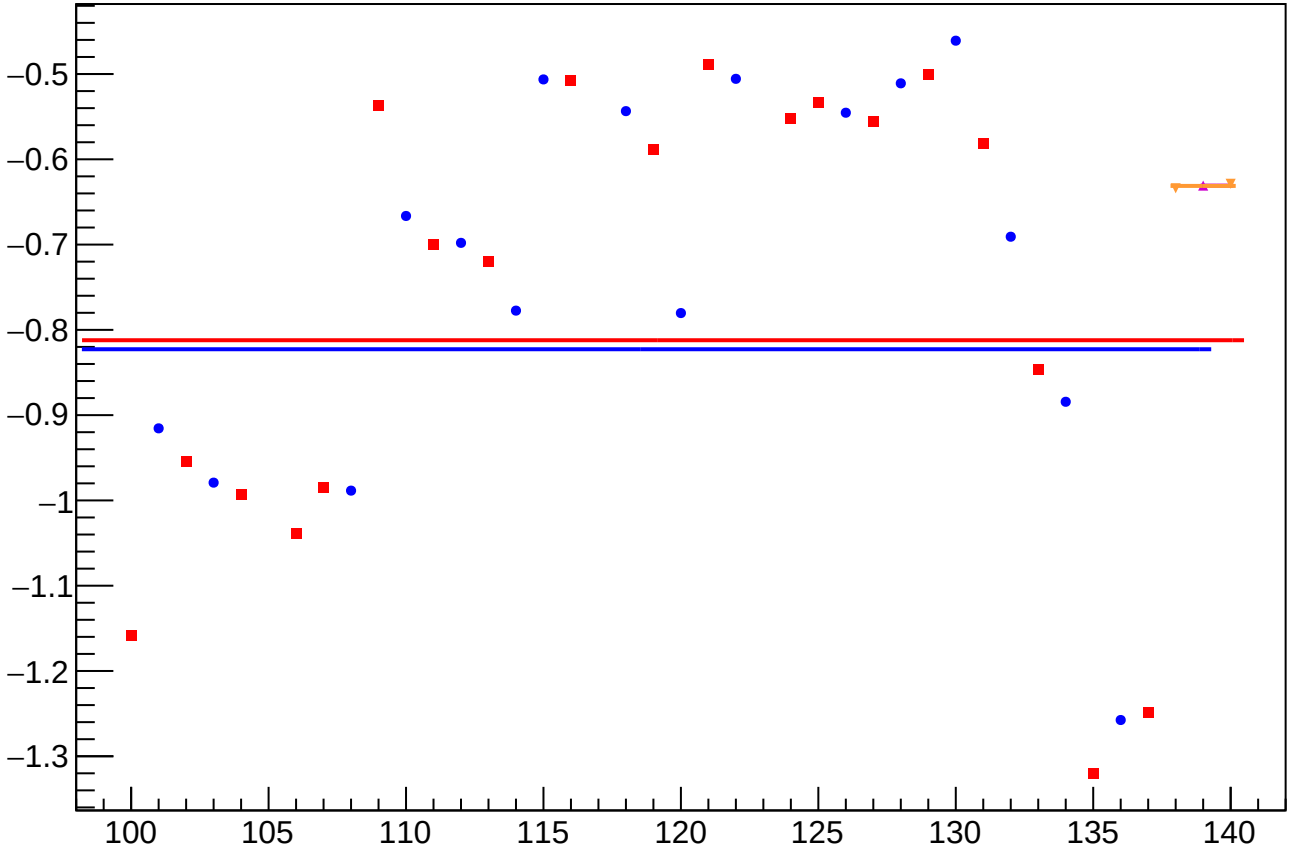
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.006+/-0.000 χ^2/NDF:1064168.6/16

Out: 0.006+/-0.000 χ^2/NDF:897896.7/20

All: 0.006+/-0.000 χ^2/NDF: 1981059.1/37

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.631+/-0.000 χ^2/NDF:267530.6/1

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.631+/-0.000 χ^2/NDF:0.0/0

Left: -0.631+/-0.000 χ^2/NDF: 269257.0/2

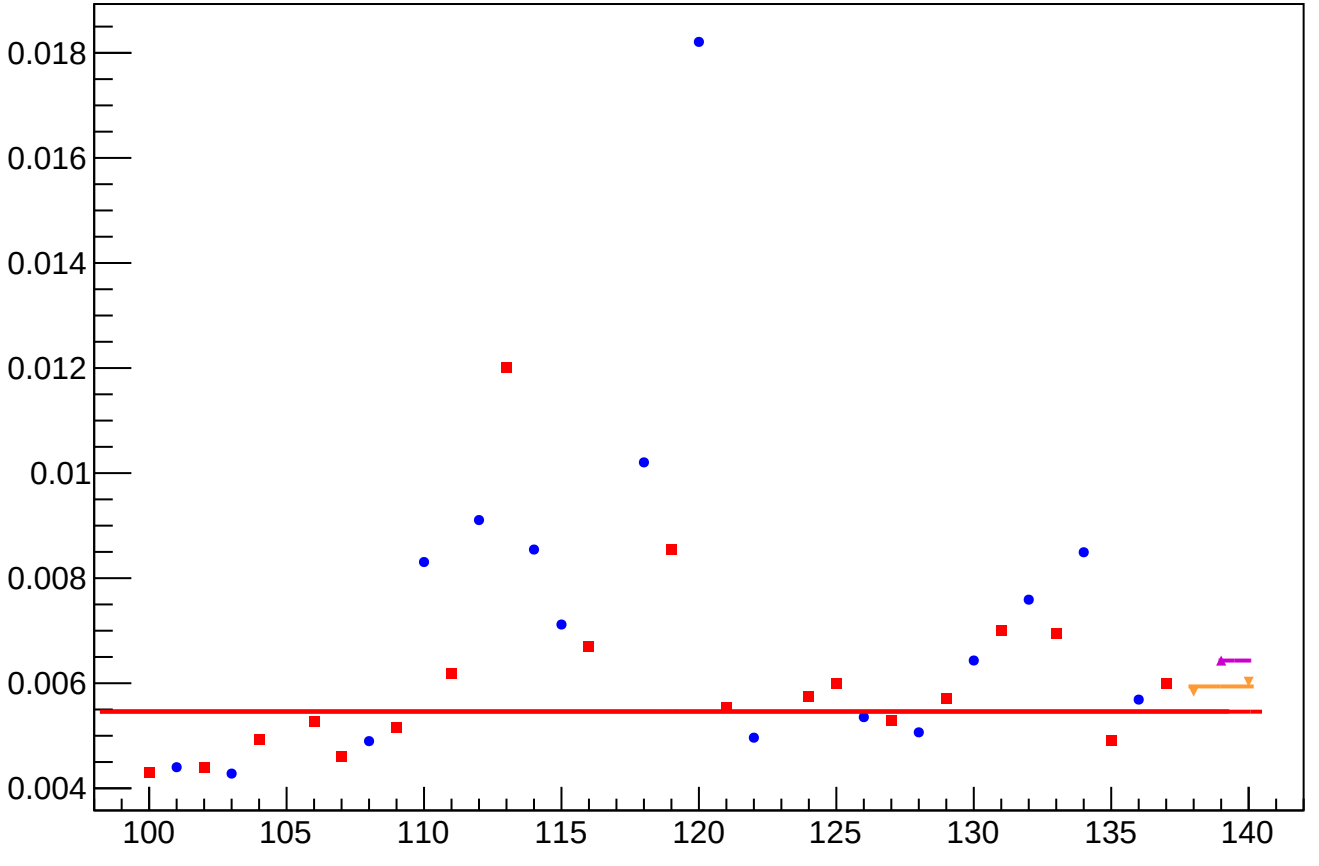
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.806+/-0.000 χ^2/NDF:12819976594.7/16

Out: -0.783+/-0.000 χ^2/NDF:15883868824.3/20

All: -0.794+/-0.000 χ^2/NDF: 28761048343.5/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:678.9/1

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.006+/-0.000 χ^2/NDF:0.0/0

Left: 0.006+/-0.000 χ^2/NDF: 6559.3/2

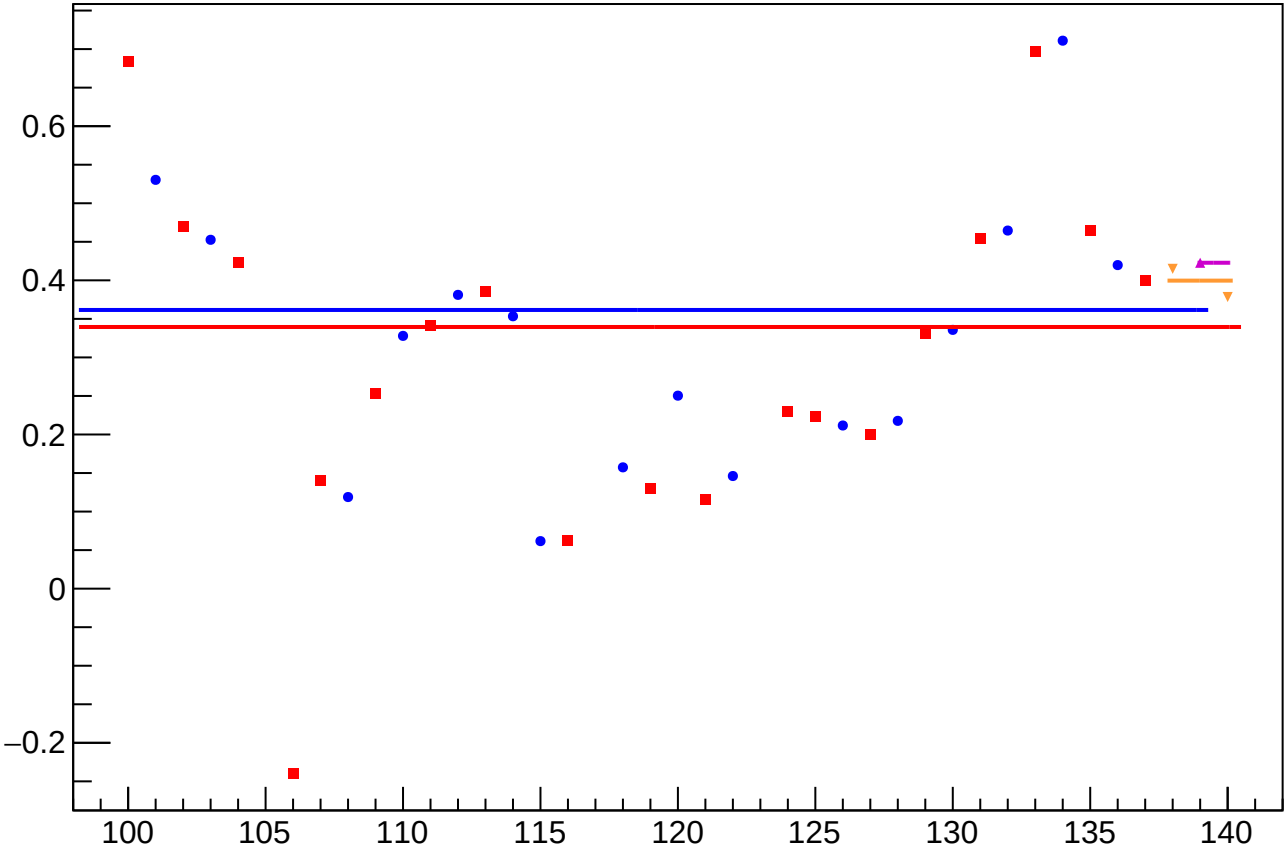
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.006+/-0.000 χ^2/NDF:991710.7/16

Out: 0.006+/-0.000 χ^2/NDF:523396.3/20

All: 0.006+/-0.000 χ^2/NDF: 1515141.1/37

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.400+/-0.000 χ^2/NDF:23630713.4/1

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.423+/-0.000 χ^2/NDF:0.0/0

Left: 0.408+/-0.000 χ^2/NDF: 37006488.7/2

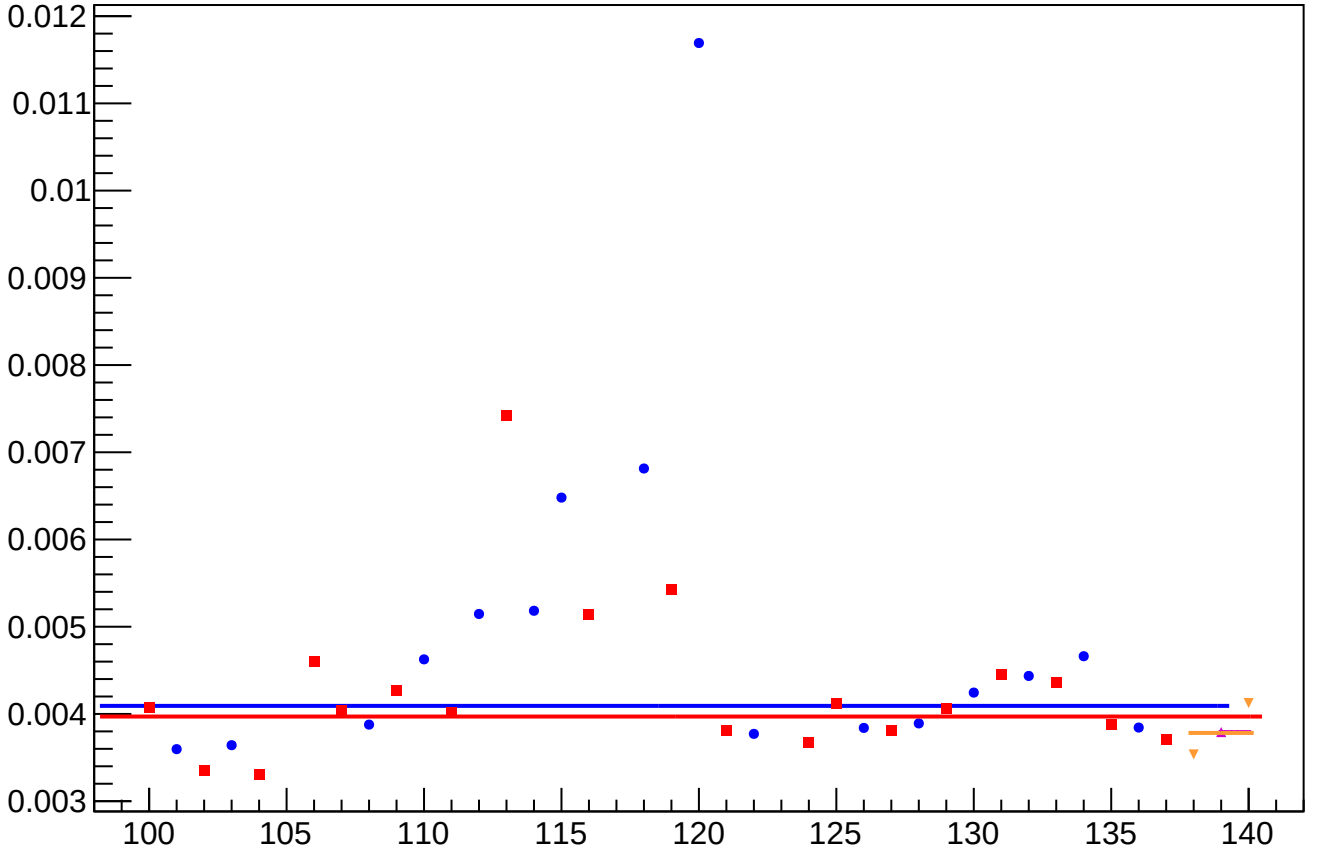
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.367+/-0.000 χ^2/NDF:8904648339.1/16

Out: 0.349+/-0.000 χ^2/NDF:12318555607.7/20

All: 0.357+/-0.000 χ^2/NDF: 21299878824.3/3

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:12282.6/1

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 12287.5/2

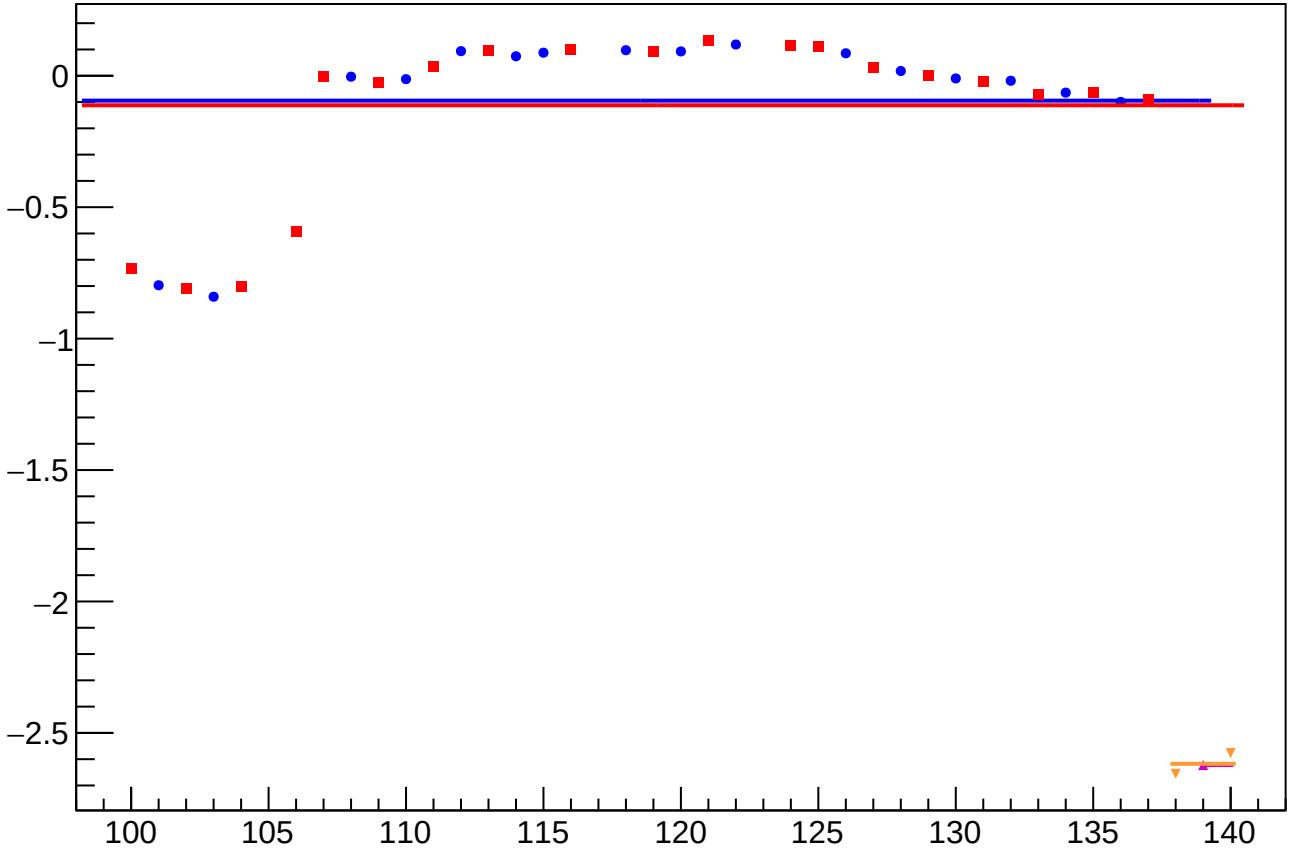
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:497930.6/16

Out: 0.004+/-0.000 χ^2/NDF:330342.4/20

All: 0.004+/-0.000 χ^2/NDF: 834846.2/37

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.618+/-0.000 χ^2/NDF:13499917.6/1

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.622+/-0.000 χ^2/NDF:0.0/0

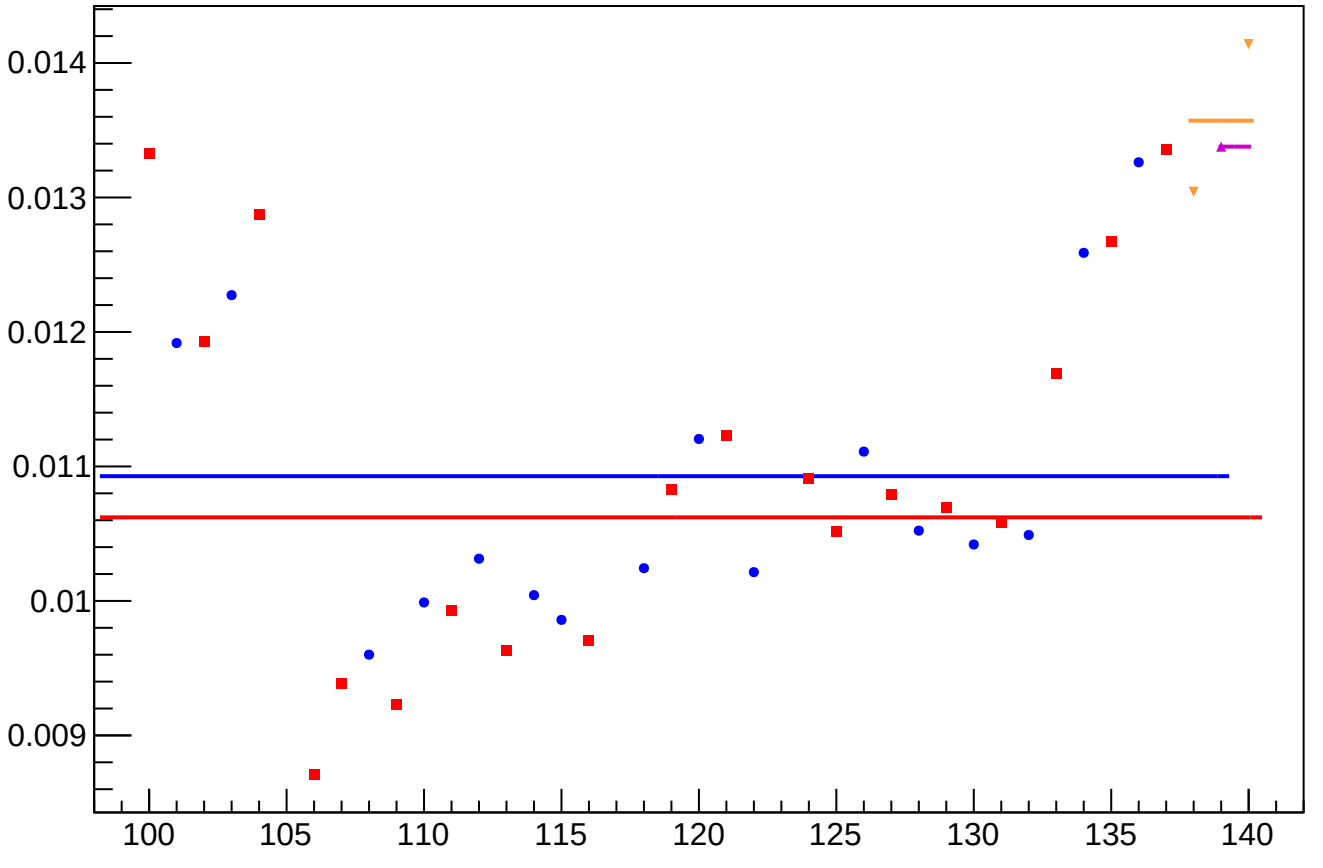
Left: -2.619+/-0.000 χ^2/NDF: 13566933.7/2

Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -0.279+/-0.000 χ^2/NDF:33361089877.2/16

Out: -0.406+/-0.000 χ^2/NDF:54313844634.6/20

All: -0.347+/-0.000 χ^2/NDF: 88227140835.2/



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.014+/-0.000 χ^2/NDF:5224.9/1

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.013+/-0.000 χ^2/NDF:0.0/0

Left: 0.014+/-0.000 χ^2/NDF: 5452.1/2

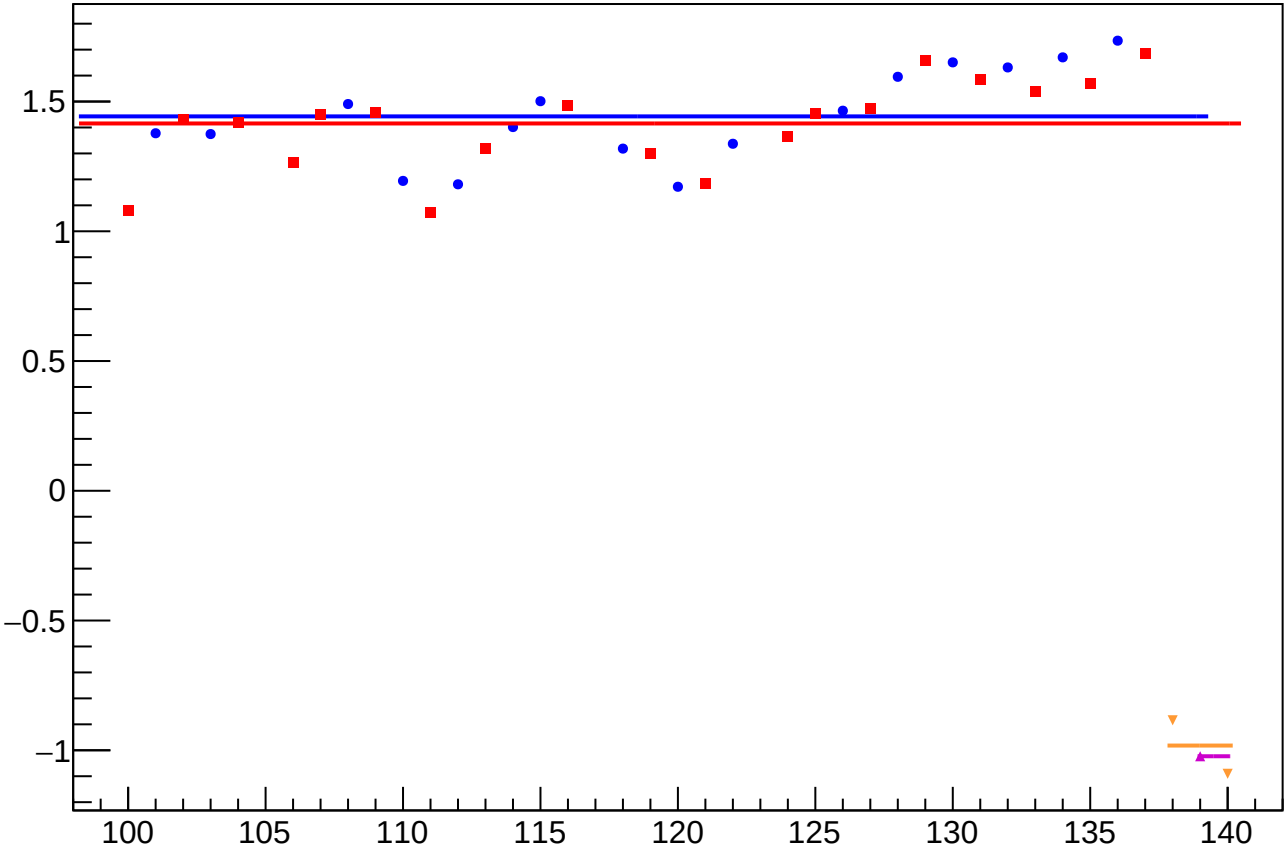
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.011+/-0.000 χ^2/NDF:188874.2/16

Out: 0.011+/-0.000 χ^2/NDF:329124.6/20

All: 0.011+/-0.000 χ^2/NDF: 519335.3/37

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.982+/-0.000 χ^2/NDF:163728756.7/1

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.023+/-0.000 χ^2/NDF:0.0/0

Left: -0.996+/-0.000 χ^2/NDF: 172990579.0/2

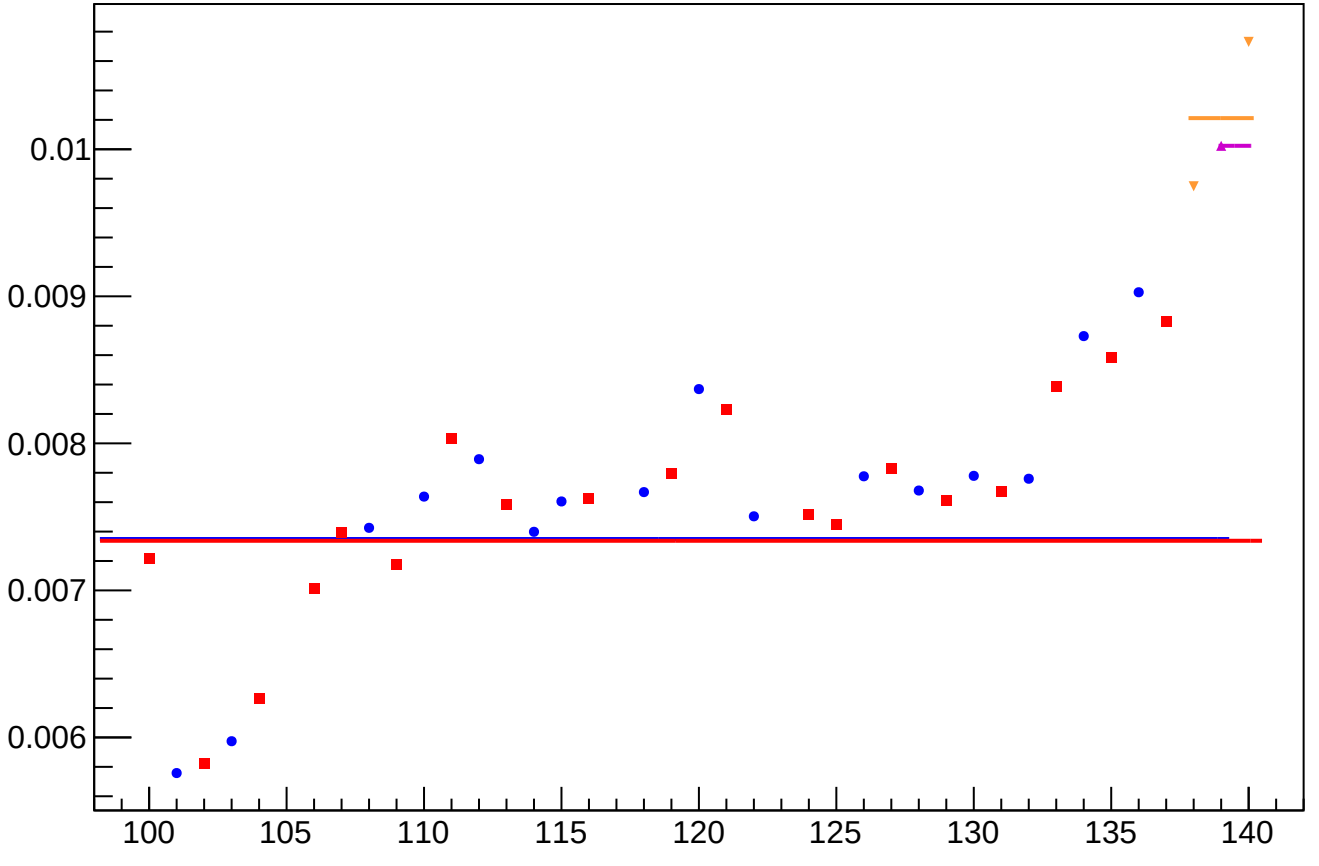
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 1.294+/-0.000 χ^2/NDF:51791236056.9/16

Out: 1.172+/-0.000 χ^2/NDF:82785788637.1/20

All: 1.230+/-0.000 χ^2/NDF: 135650980825.4

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:7430.5/1

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.010+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.000 χ^2/NDF: 7816.4/2

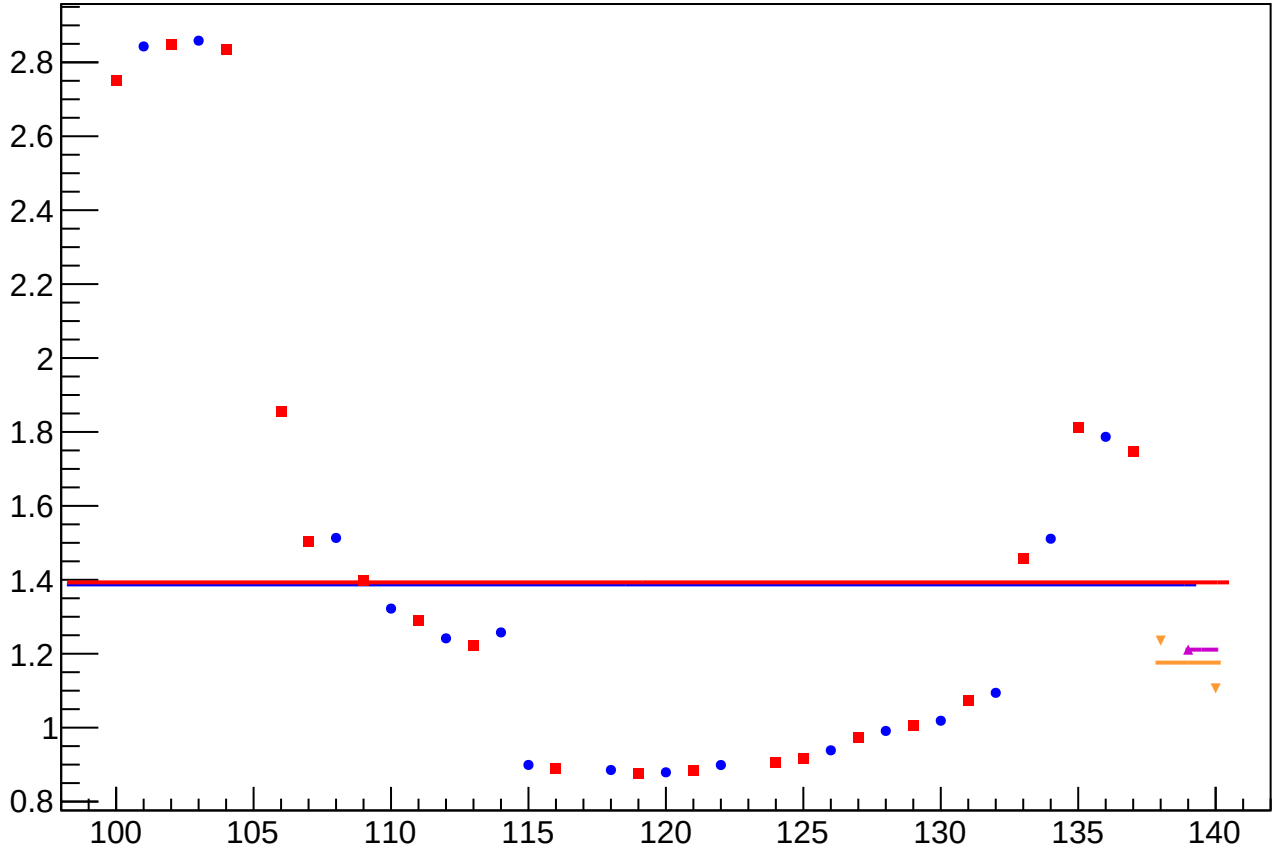
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:383905.2/16

Out: 0.008+/-0.000 χ^2/NDF:432299.9/20

All: 0.008+/-0.000 χ^2/NDF: 818236.5/37

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.176+/-0.000 χ^2/NDF:105979937.6/1

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.211+/-0.000 χ^2/NDF:0.0/0

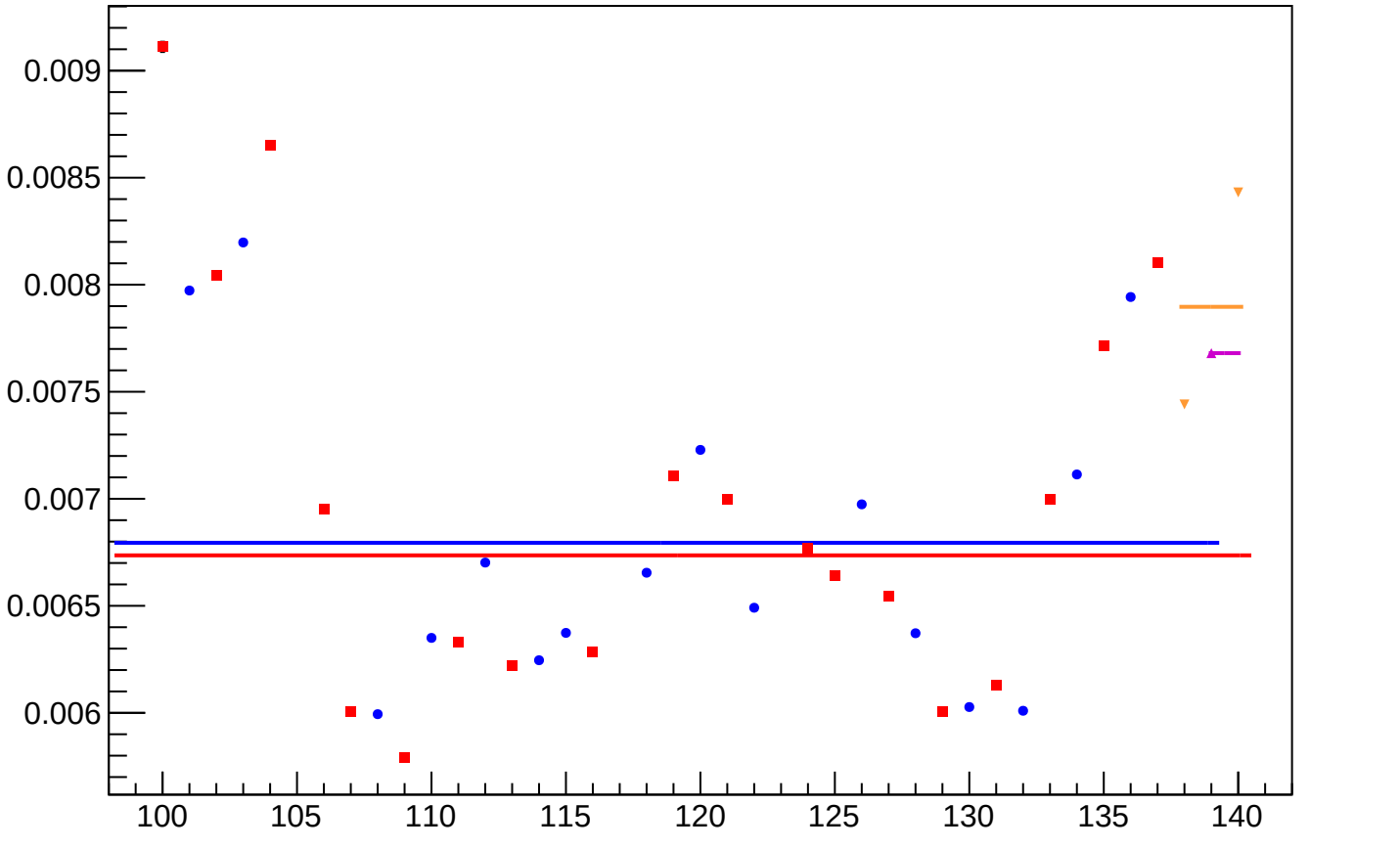
Left: 1.189+/-0.000 χ^2/NDF: 117202141.1/2

Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.373+/-0.000 χ^2/NDF:59017824807.9/16

Out: 1.363+/-0.000 χ^2/NDF:56510970418.3/20

All: 1.368+/-0.000 χ^2/NDF: 115536260221.4



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:12446.6/1

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:0.0/0

Left: 0.008+/-0.000 χ^2/NDF: 13301.4/2

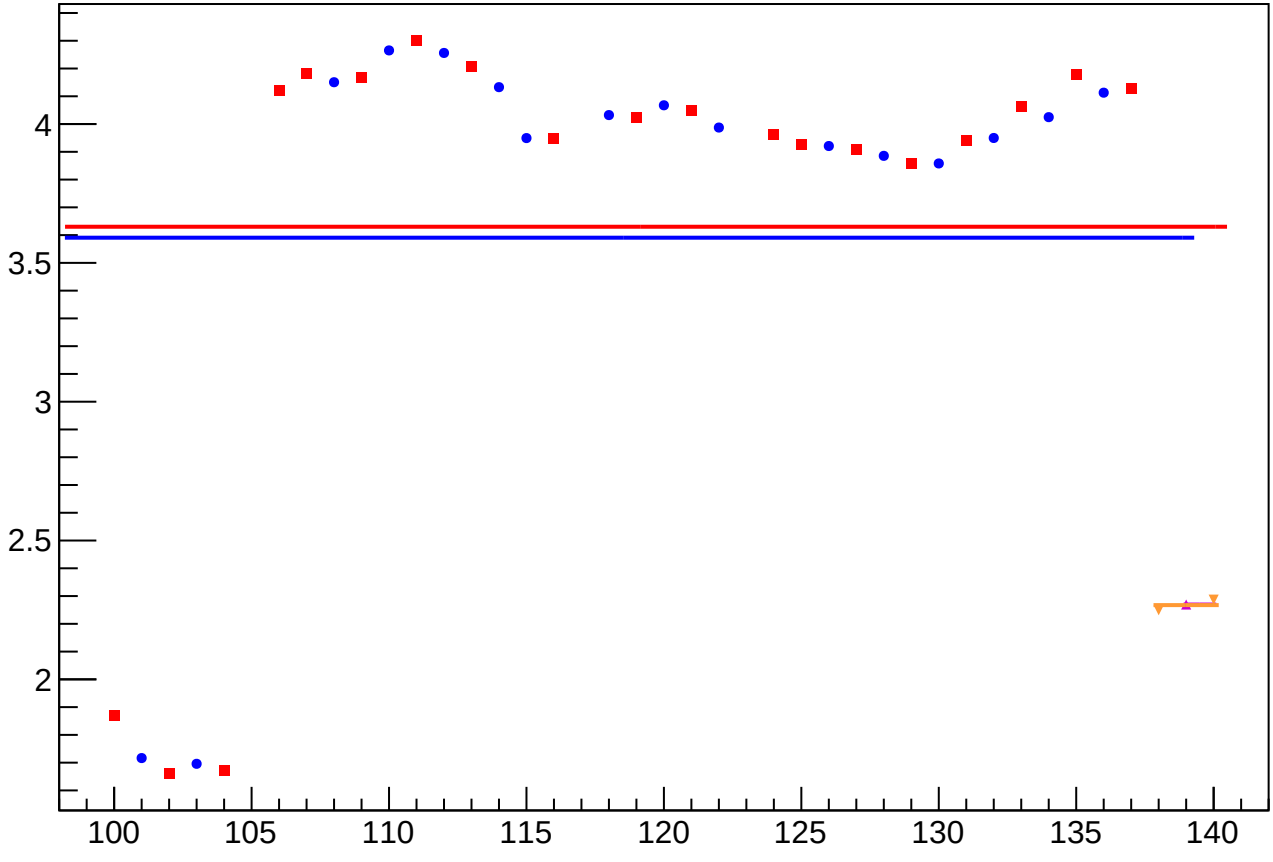
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:184868.8/16

Out: 0.007+/-0.000 χ^2/NDF:270427.4/20

All: 0.007+/-0.000 χ^2/NDF: 455401.8/37

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 2.267+/-0.000 χ^2/NDF:11241449.3/1

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 2.270+/-0.000 χ^2/NDF:0.0/0

Left: 2.268+/-0.000 χ^2/NDF: 11288998.7/2

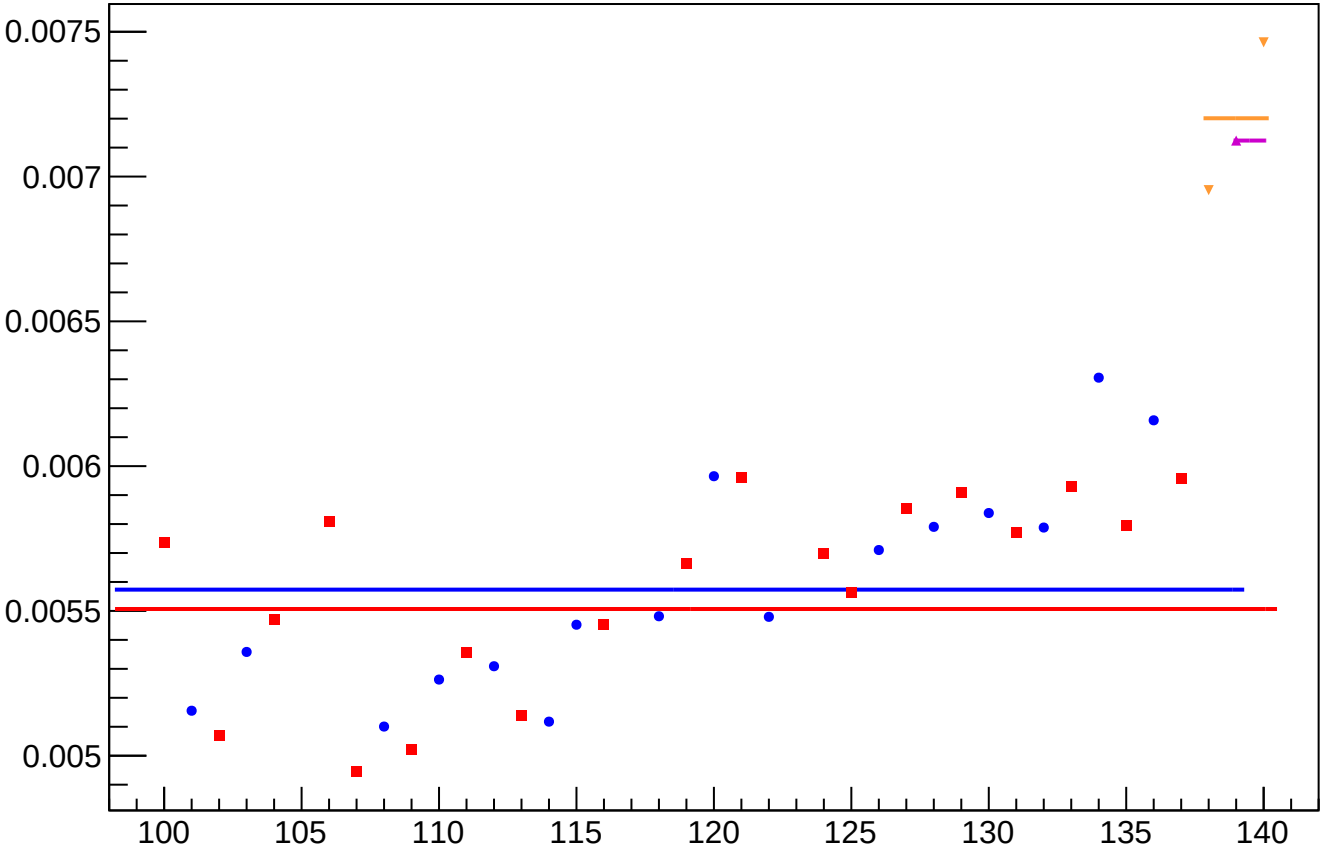
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 3.502+/-0.000 χ^2/NDF:229158295971.8/16

Out: 3.475+/-0.000 χ^2/NDF:263361332938.4/20

All: 3.488+/-0.000 χ^2/NDF: 492612280558.6

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:4013.3/1

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.007+/-0.000 χ^2/NDF:0.0/0

Left: 0.007+/-0.000 χ^2/NDF: 4141.0/2

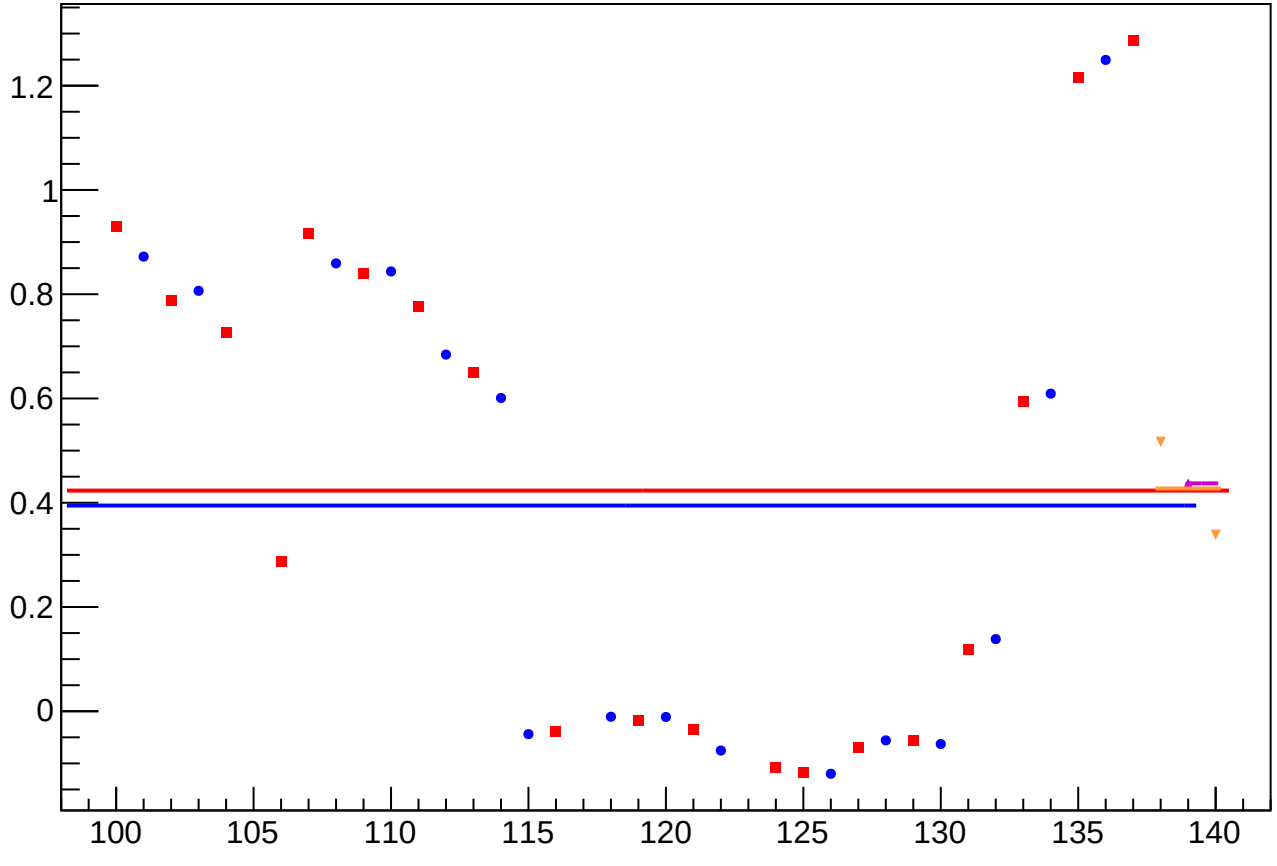
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.006+/-0.000 χ^2/NDF:133460.3/16

Out: 0.006+/-0.000 χ^2/NDF:218449.6/20

All: 0.006+/-0.000 χ^2/NDF: 352030.9/37

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.427+/-0.000 χ^2/NDF:48034329.7/1

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 0.437+/-0.000 χ^2/NDF:0.0/0

Left: 0.431+/-0.000 χ^2/NDF: 48238125.4/2

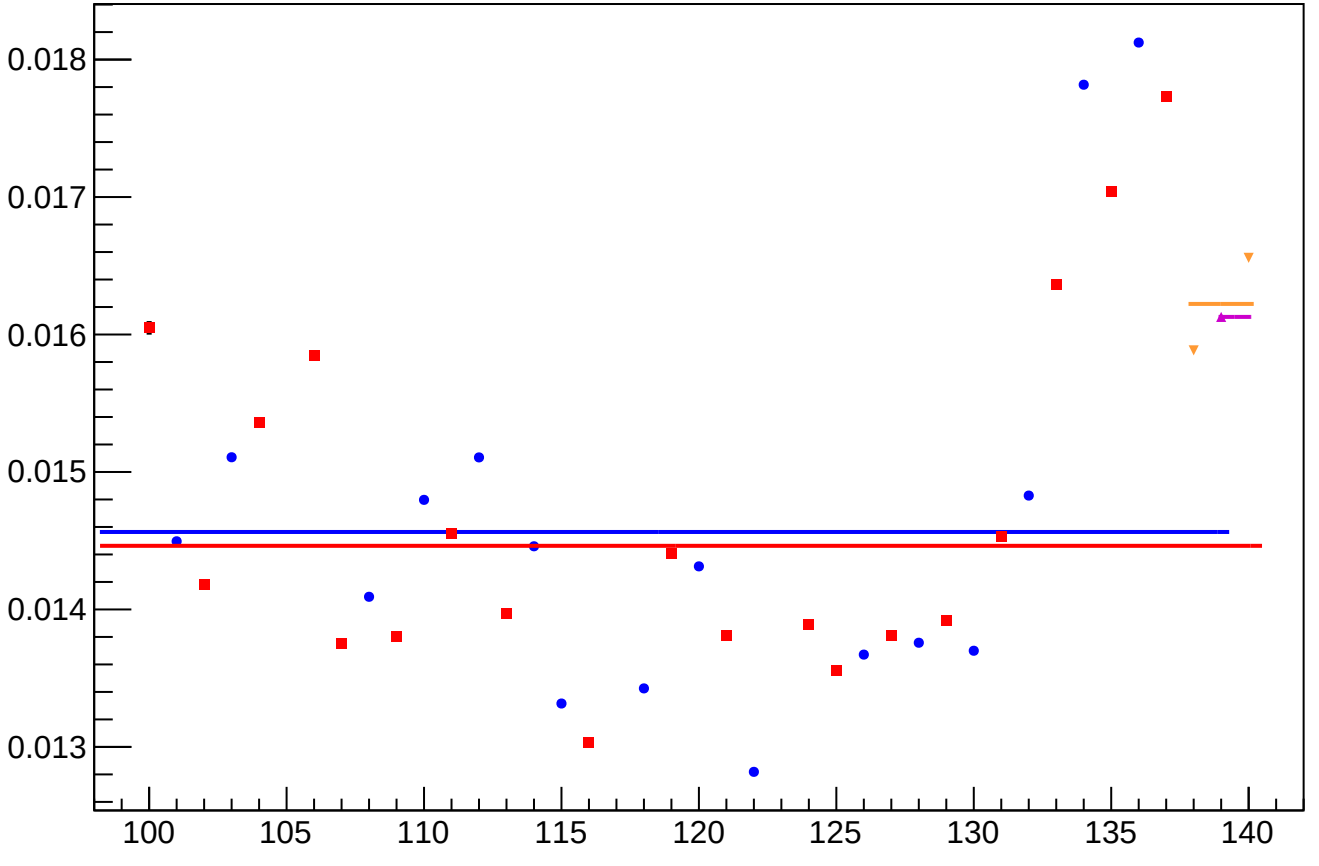
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.398+/-0.000 χ^2/NDF:7417885302.8/16

Out: 0.424+/-0.000 χ^2/NDF:6952176049.3/20

All: 0.412+/-0.000 χ^2/NDF: 14382740721.4/3

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:1372.8/1

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.016+/-0.000 χ^2/NDF:0.0/0

Left: 0.016+/-0.000 χ^2/NDF: 1410.4/2

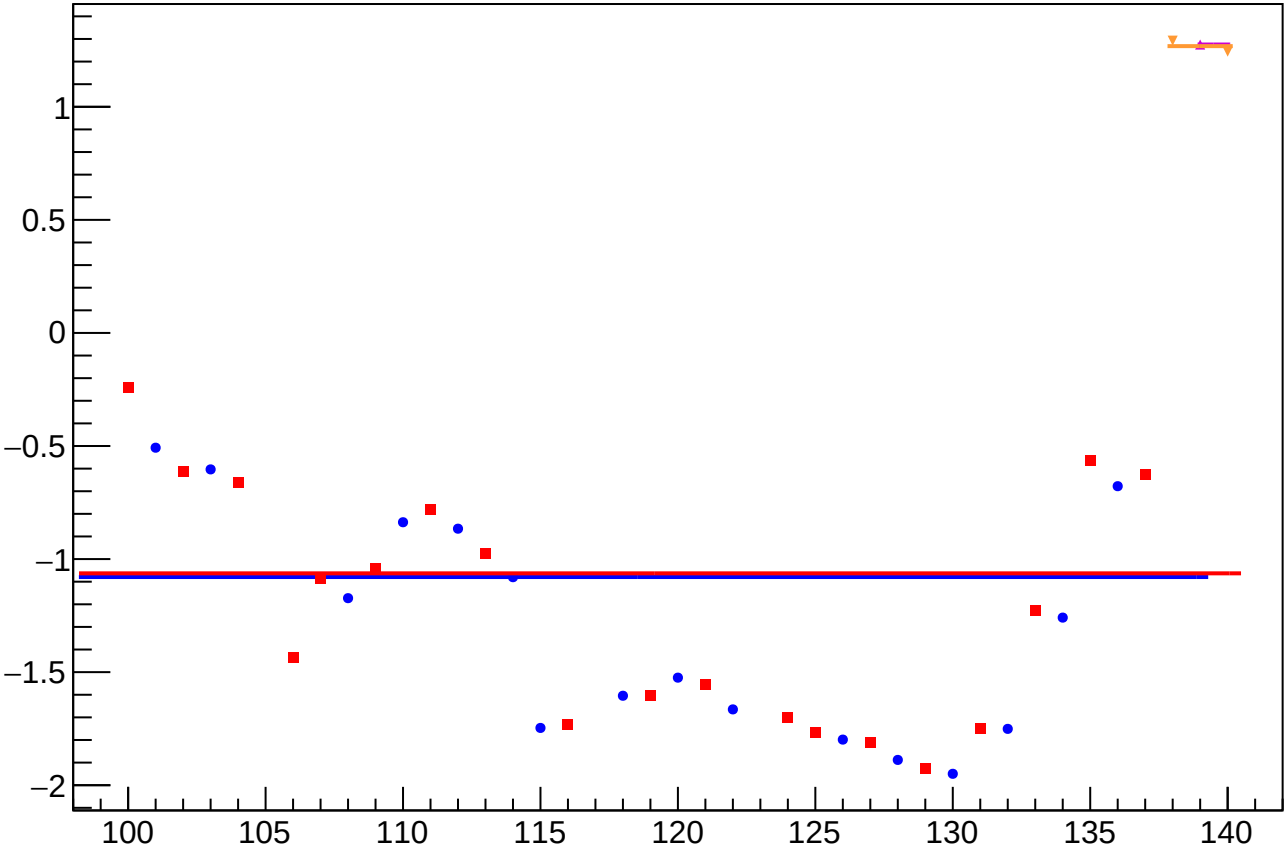
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.015+/-0.000 χ^2/NDF:147551.8/16

Out: 0.015+/-0.000 χ^2/NDF:110727.8/20

All: 0.015+/-0.000 χ^2/NDF: 258298.9/37

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.268+/-0.000 χ^2/NDF:55140468.7/1

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.275+/-0.000 χ^2/NDF:0.0/0

Left: 1.271+/-0.000 χ^2/NDF: 56694370.9/2

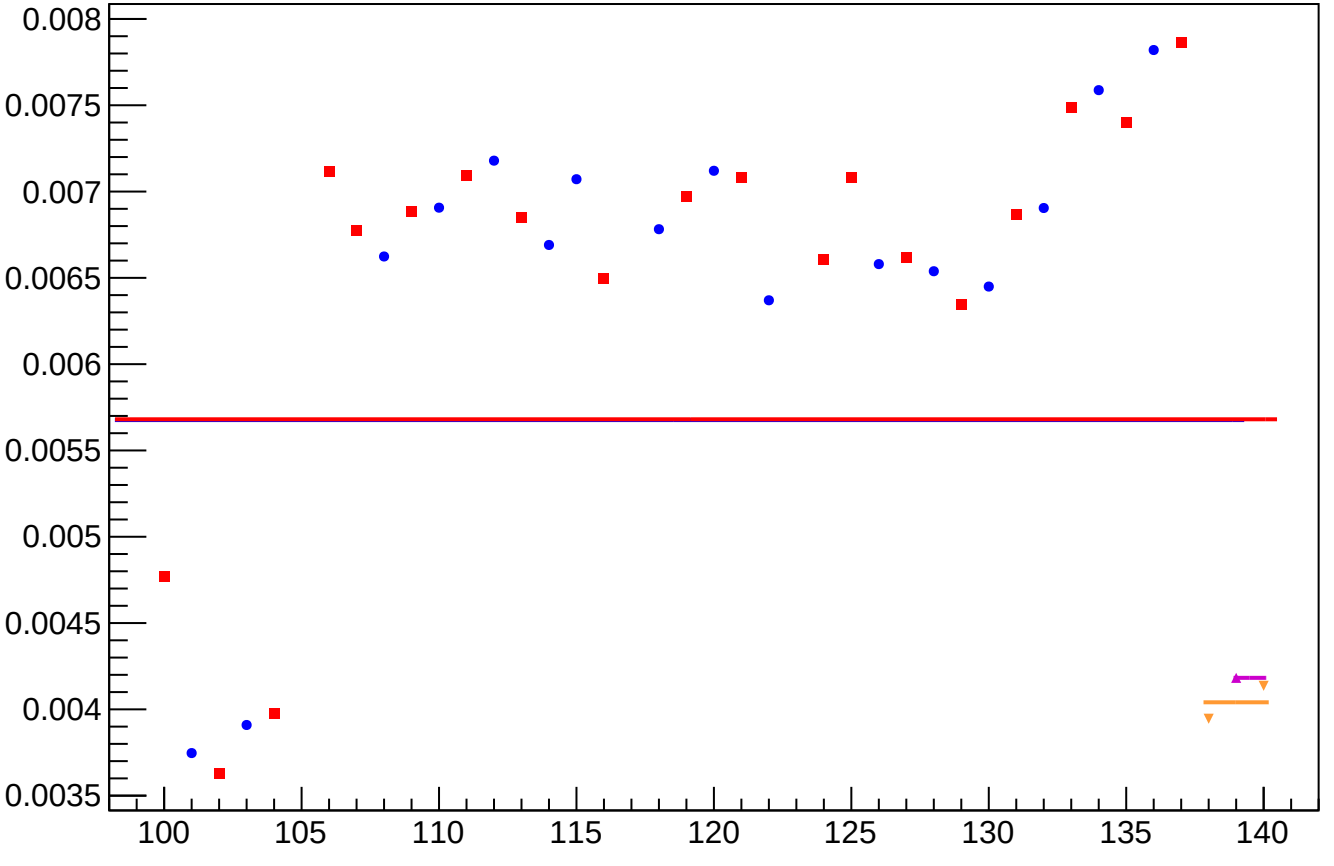
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: -0.637+/-0.000 χ^2/NDF:265855502527.8/16

Out: -0.316+/-0.000 χ^2/NDF:397915333376.8/20

All: -0.461+/-0.000 χ^2/NDF: 677433466013.6

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1715.2/1

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 2952.2/2

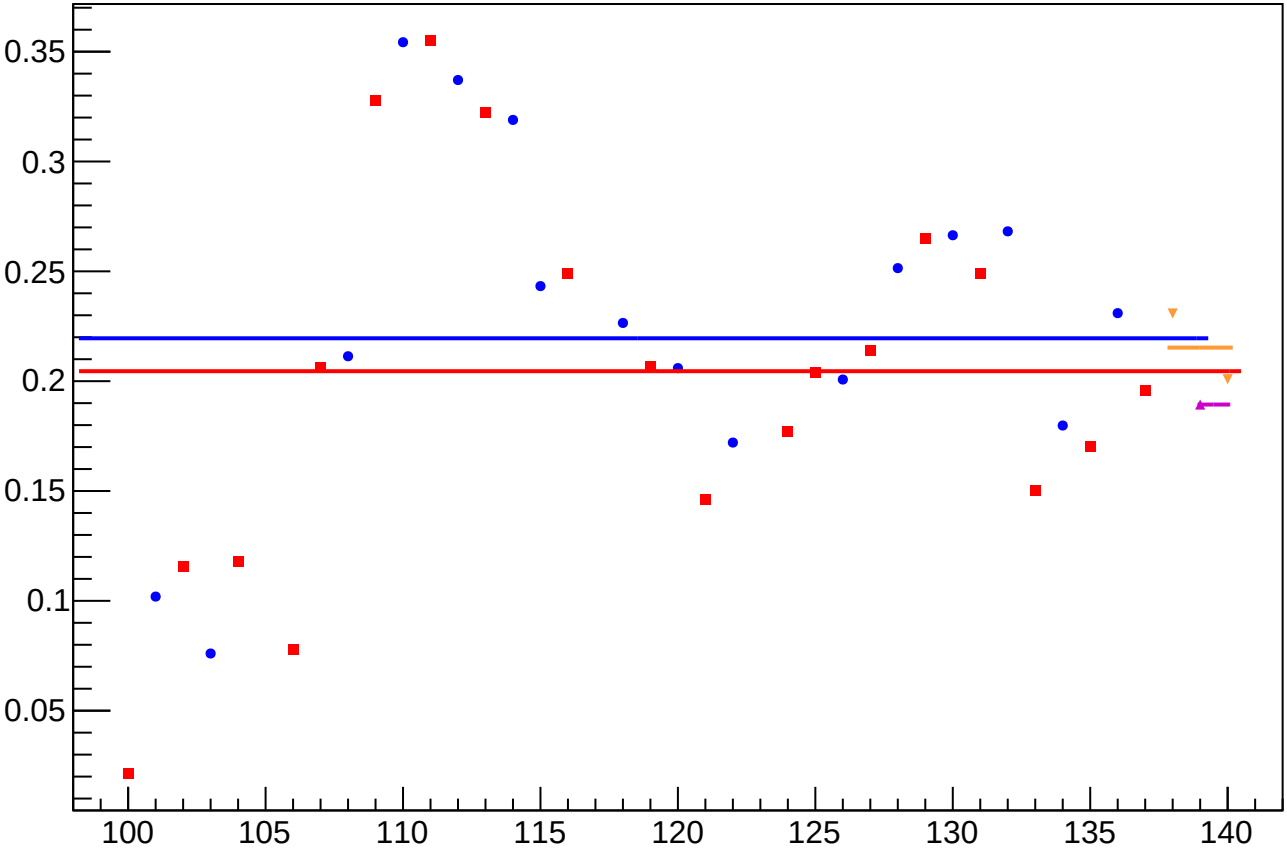
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.005+/-0.000 χ^2/NDF:1110625.6/16

Out: 0.005+/-0.000 χ^2/NDF:1326540.5/20

All: 0.005+/-0.000 χ^2/NDF: 2452488.2/37

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.215+/-0.000 χ^2/NDF:180635217.1/1

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.189+/-0.000 χ^2/NDF:0.0/0

Left: 0.206+/-0.000 χ^2/NDF: 365939749.9/2

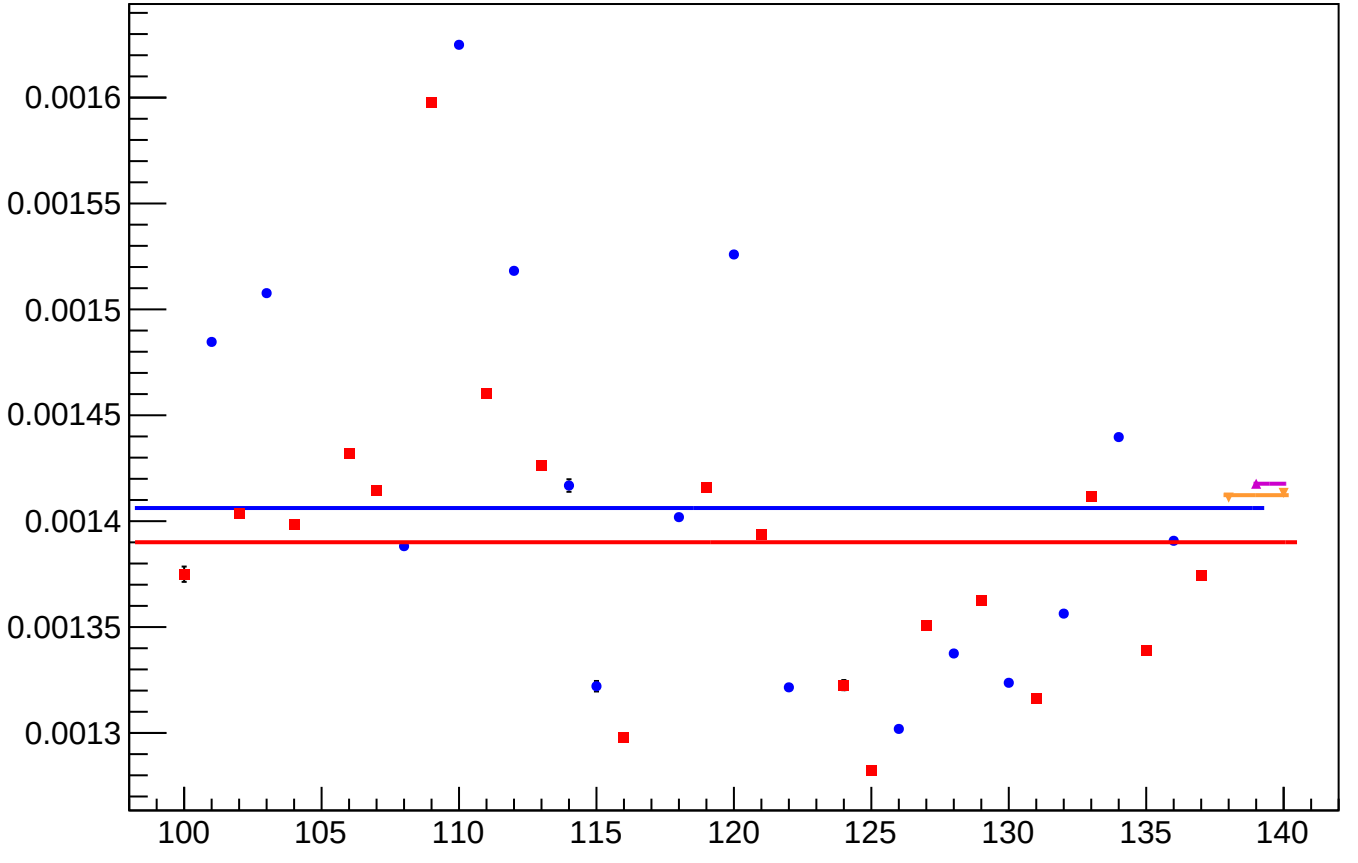
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.216+/-0.000 χ^2/NDF:17070110971.6/16

Out: 0.206+/-0.000 χ^2/NDF:22569842729.3/20

All: 0.211+/-0.000 χ^2/NDF: 39846941370.4/3

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2.0/1

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:0.0/0

Left: 0.001+/-0.000 χ^2/NDF: 18.1/2

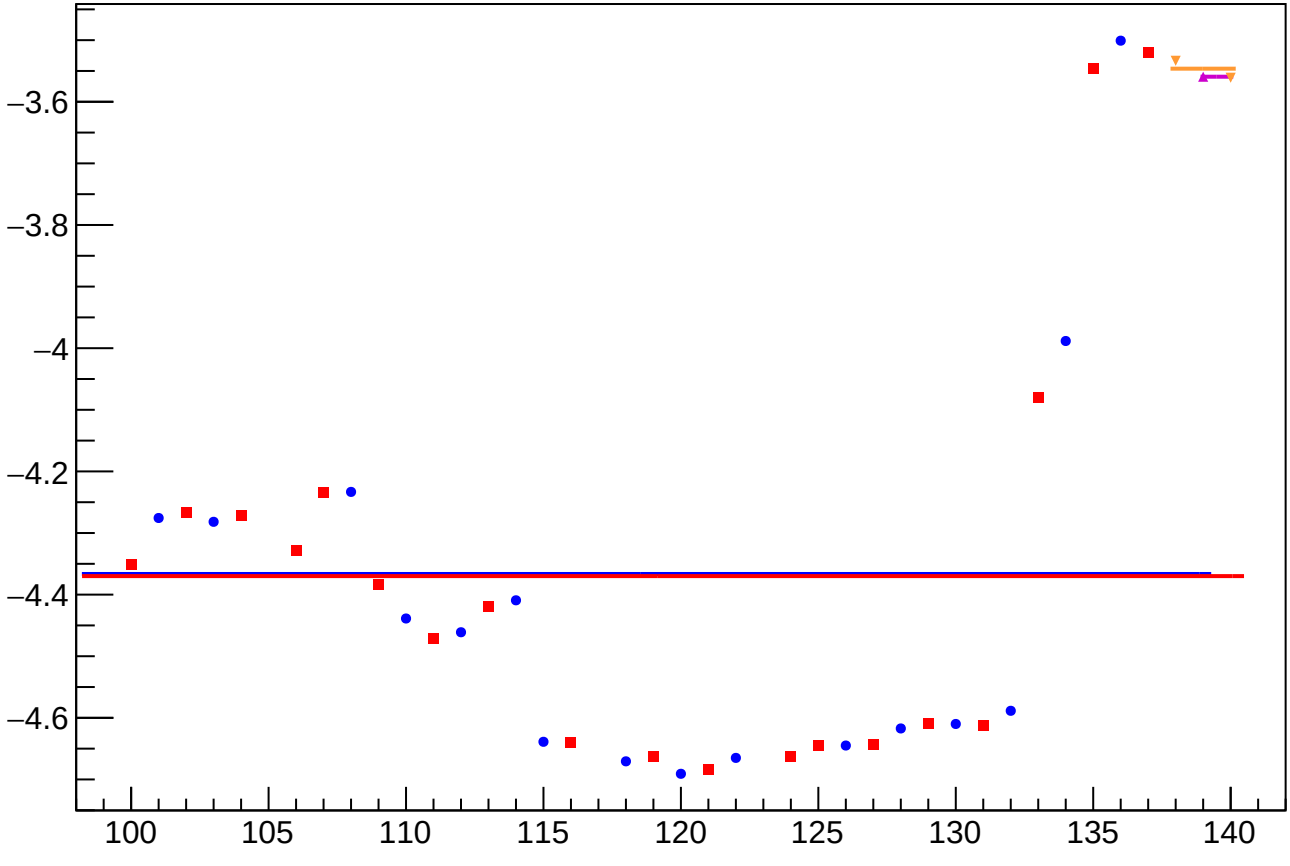
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:48299.4/16

Out: 0.001+/-0.000 χ^2/NDF:35447.0/20

All: 0.001+/-0.000 χ^2/NDF: 84515.5/37

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.546+/-0.000 χ^2/NDF:102322019.3/1

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.559+/-0.000 χ^2/NDF:0.0/0

Left: -3.551+/-0.000 χ^2/NDF: 134526169.5/2

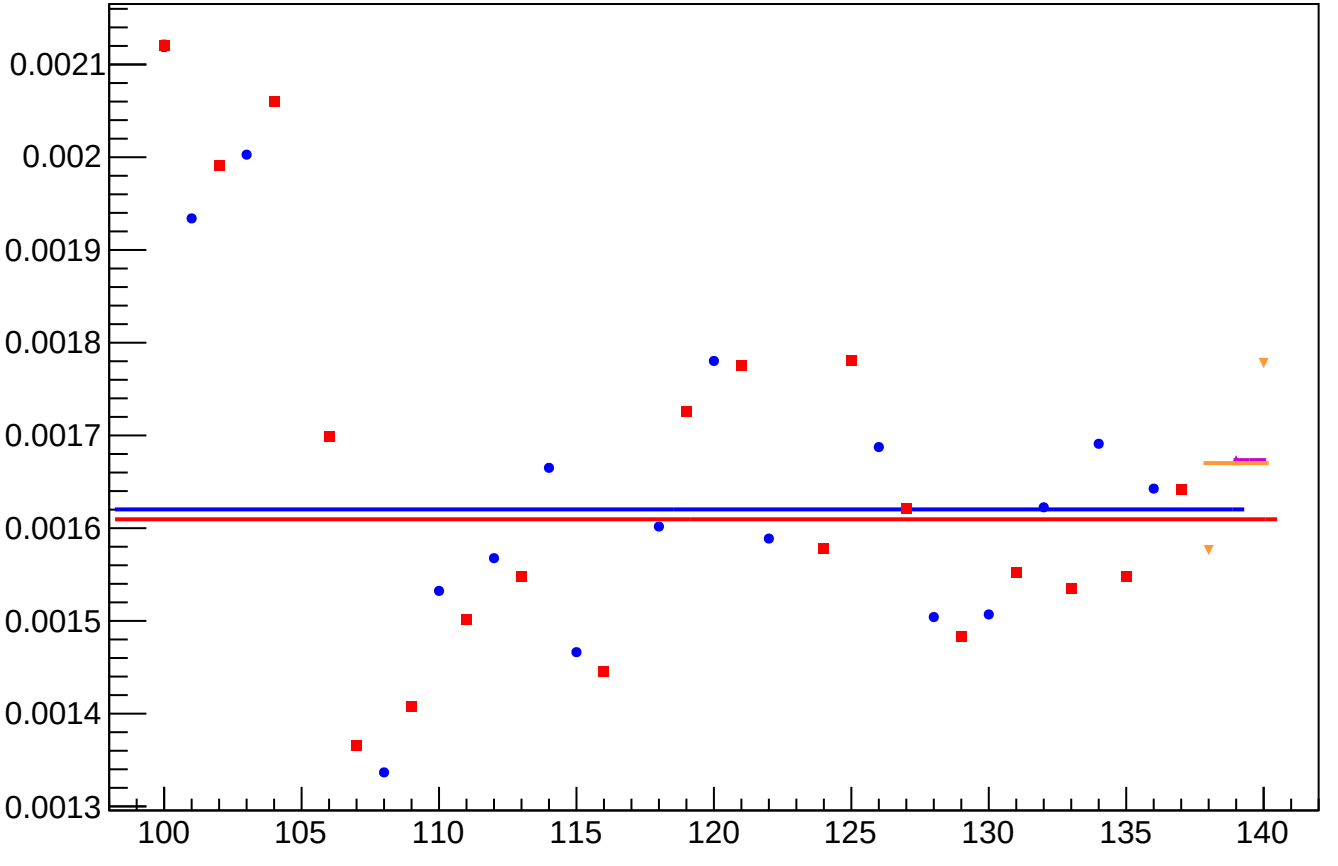
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.286+/-0.000 χ^2/NDF:523293216745.2/16

Out: -4.234+/-0.000 χ^2/NDF:604068824180.1/20

All: -4.258+/-0.000 χ^2/NDF: 1131540477251

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:11010.7/1

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:0.0/0

Left: 0.002+/-0.000 χ^2/NDF: 11014.6/2

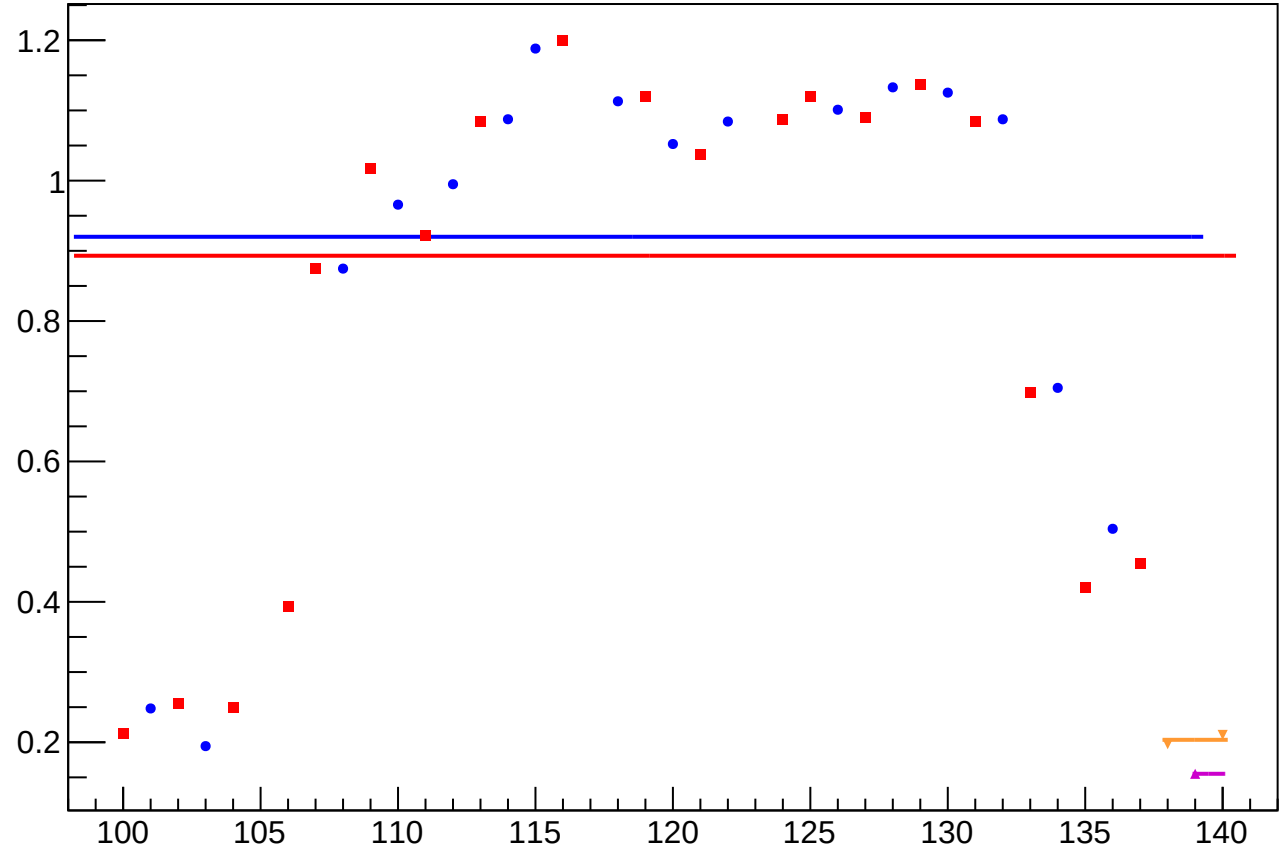
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:141691.6/16

Out: 0.002+/-0.000 χ^2/NDF:199312.6/20

All: 0.002+/-0.000 χ^2/NDF: 341113.8/37

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.203+/-0.000 χ^2/NDF:1005678.1/1

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.155+/-0.000 χ^2/NDF:0.0/0

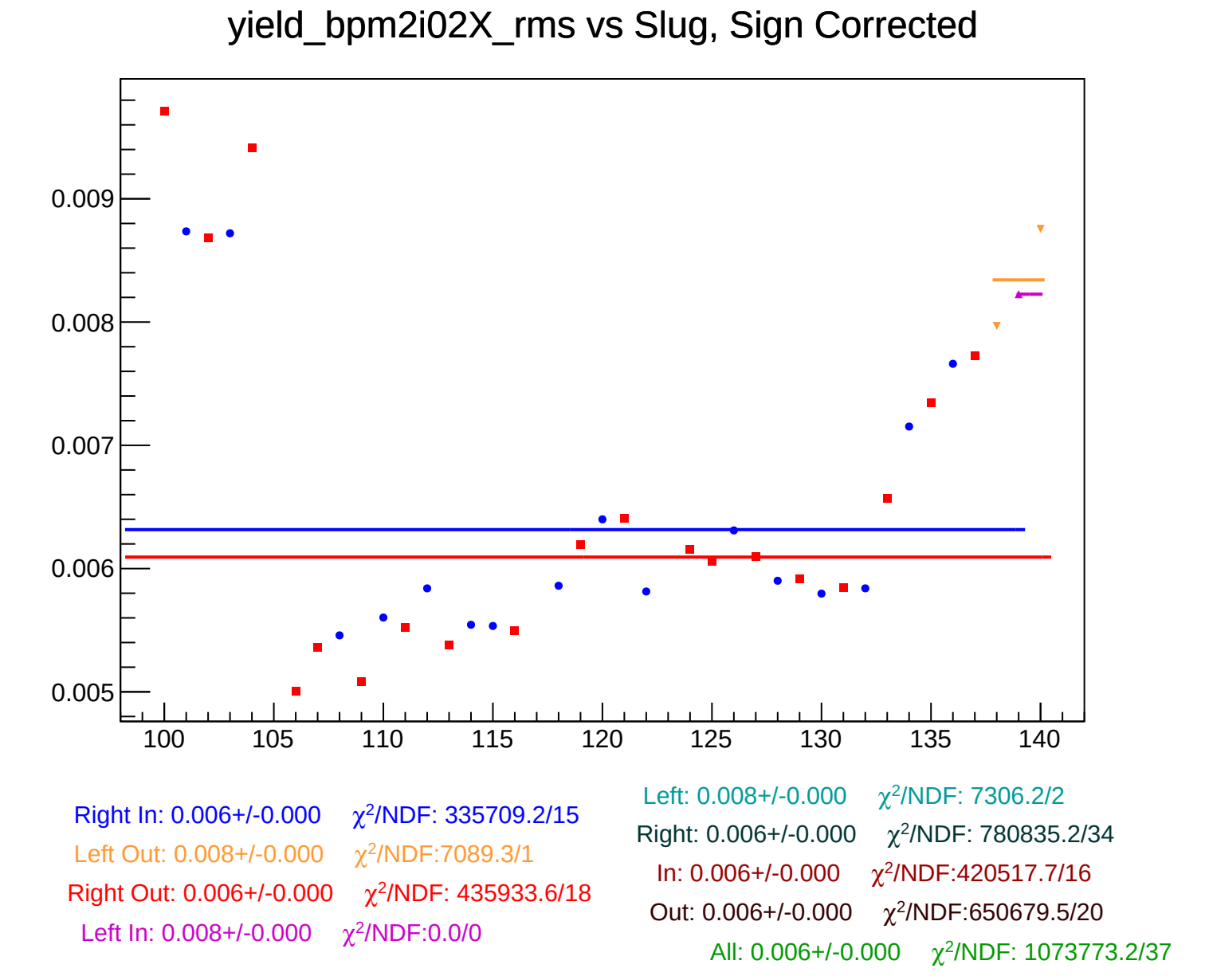
Left: 0.186+/-0.000 χ^2/NDF: 19904018.5/2

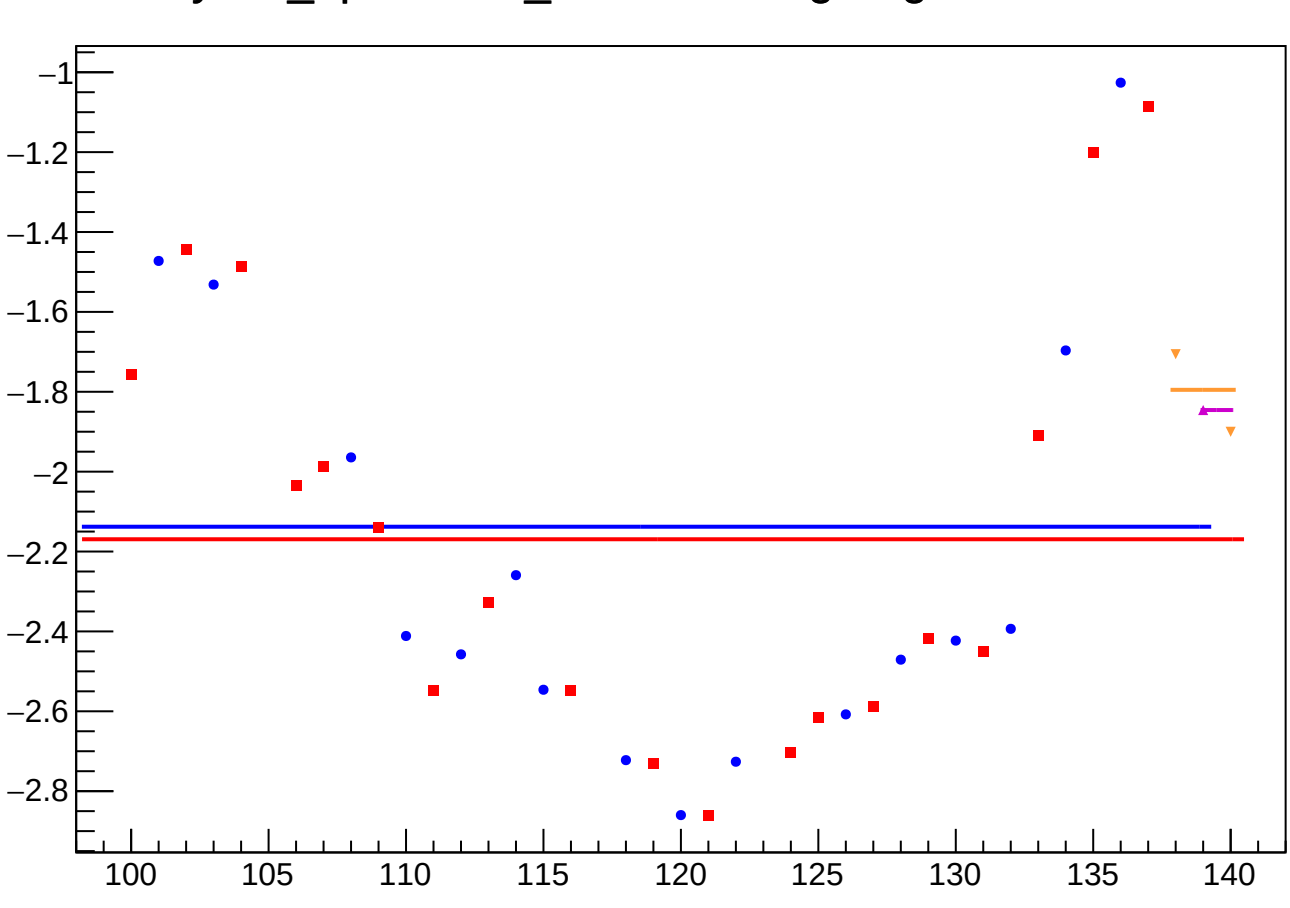
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.869+/-0.000 χ^2/NDF:21367148555.5/16

Out: 0.821+/-0.000 χ^2/NDF:27404228856.2/20

All: 0.843+/-0.000 χ^2/NDF: 49012810754.5/3


yield_bpm2i02X_rms vs Slug, Sign Corrected
0.009
0.008
0.007
0.006
0.005
100
105
110
115
120
125
130
135
140
Right In: 0.006+/-0.000 χ²/NDF: 335709.2/15
Left Out: 0.008+/-0.000 χ²/NDF:7089.3/1
Right Out: 0.006+/-0.000 χ²/NDF: 435933.6/18
Left In: 0.008+/-0.000 χ²/NDF:0.0/0
Left: 0.008+/-0.000 χ²/NDF: 7306.2/2
Right: 0.006+/-0.000 χ²/NDF: 780835.2/34
In: 0.006+/-0.000 χ²/NDF:420517.7/16
Out: 0.006+/-0.000 χ²/NDF:650679.5/20
All: 0.006+/-0.000 χ²/NDF: 1073773.2/37



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -1.795+/-0.000 χ^2/NDF:279781933.2/1

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -1.846+/-0.000 χ^2/NDF:0.0/0

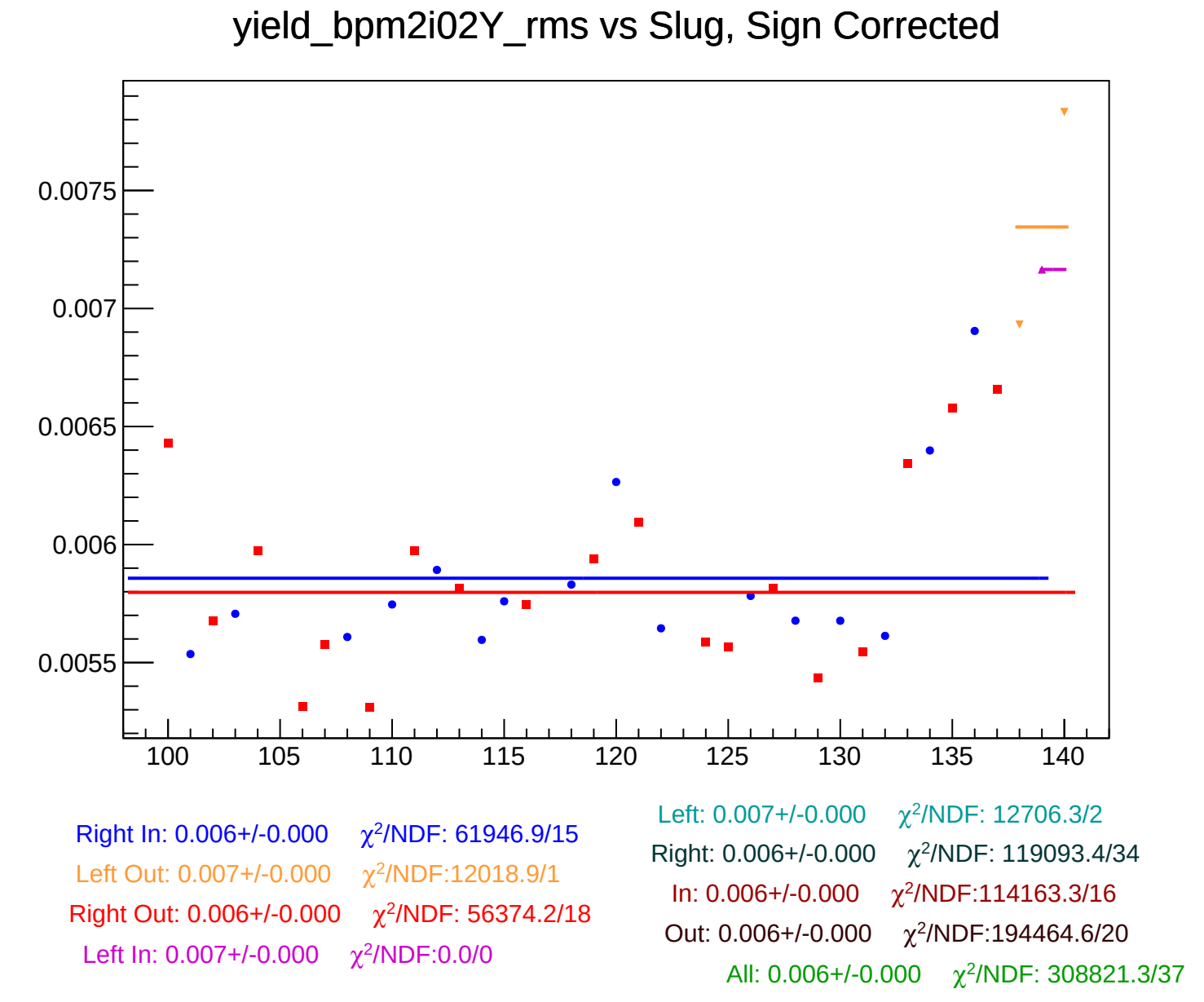
Left: -1.813+/-0.000 χ^2/NDF: 306921096.2/2

Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

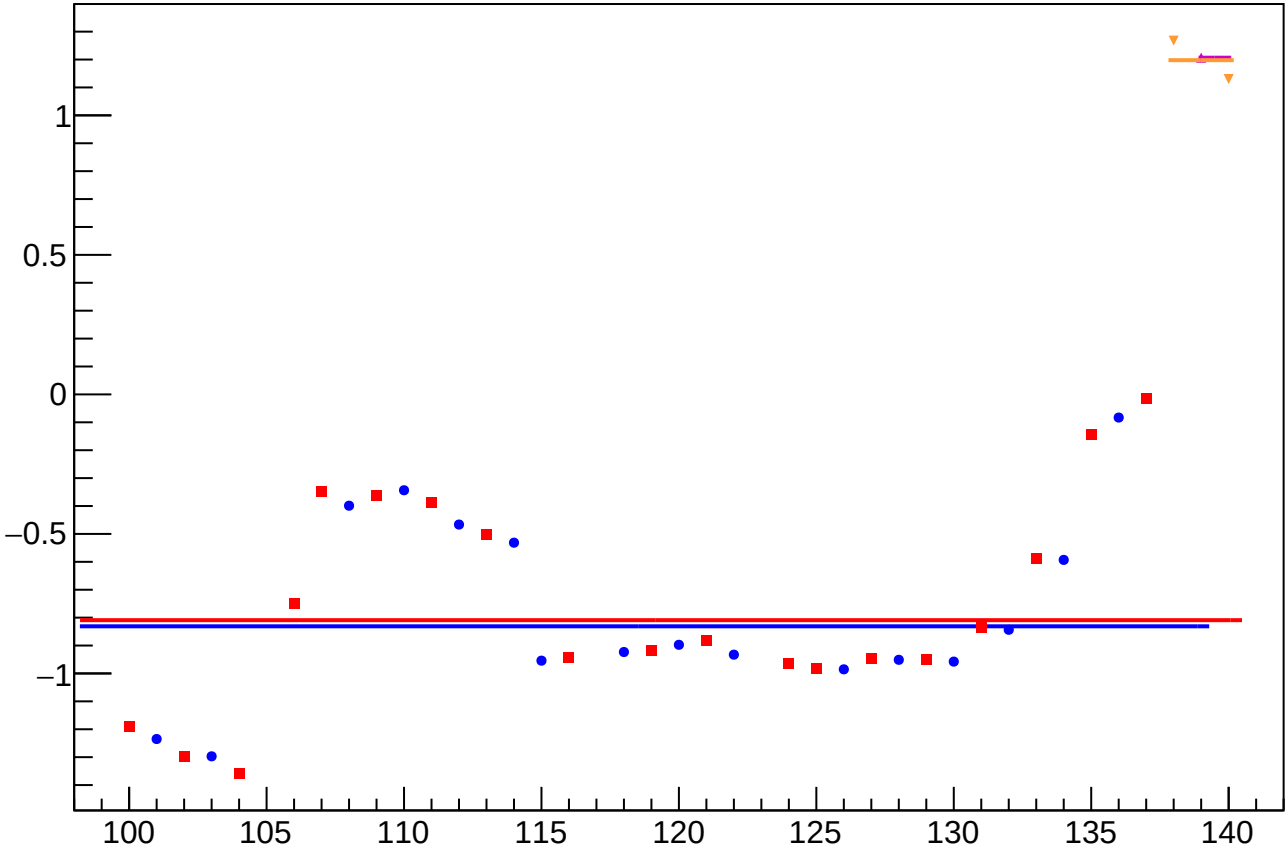
In: -2.117+/-0.000 χ^2/NDF:66969271491.3/16

Out: -2.125+/-0.000 χ^2/NDF:61371788947.0/20

All: -2.121+/-0.000 χ^2/NDF: 128349233599.


yield_bpm2i02Y_rms vs Slug, Sign Corrected
0.0075
0.007
0.0065
0.006
0.0055
100
105
110
115
120
125
130
135
140
Right In: 0.006+/-0.000 χ²/NDF: 61946.9/15
Left Out: 0.007+/-0.000 χ²/NDF:12018.9/1
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.007+/-0.000 χ²/NDF:0.0/0
Left: 0.007+/-0.000 χ²/NDF: 12706.3/2
Right: 0.006+/-0.000 χ²/NDF: 119093.4/34
In: 0.006+/-0.000 χ²/NDF:114163.3/16
Out: 0.006+/-0.000 χ²/NDF:194464.6/20
All: 0.006+/-0.000 χ²/NDF: 308821.3/37

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 1.198+/-0.000 χ^2/NDF:47038788.0/1

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: 1.207+/-0.000 χ^2/NDF:0.0/0

Left: 1.201+/-0.000 χ^2/NDF: 47308978.1/2

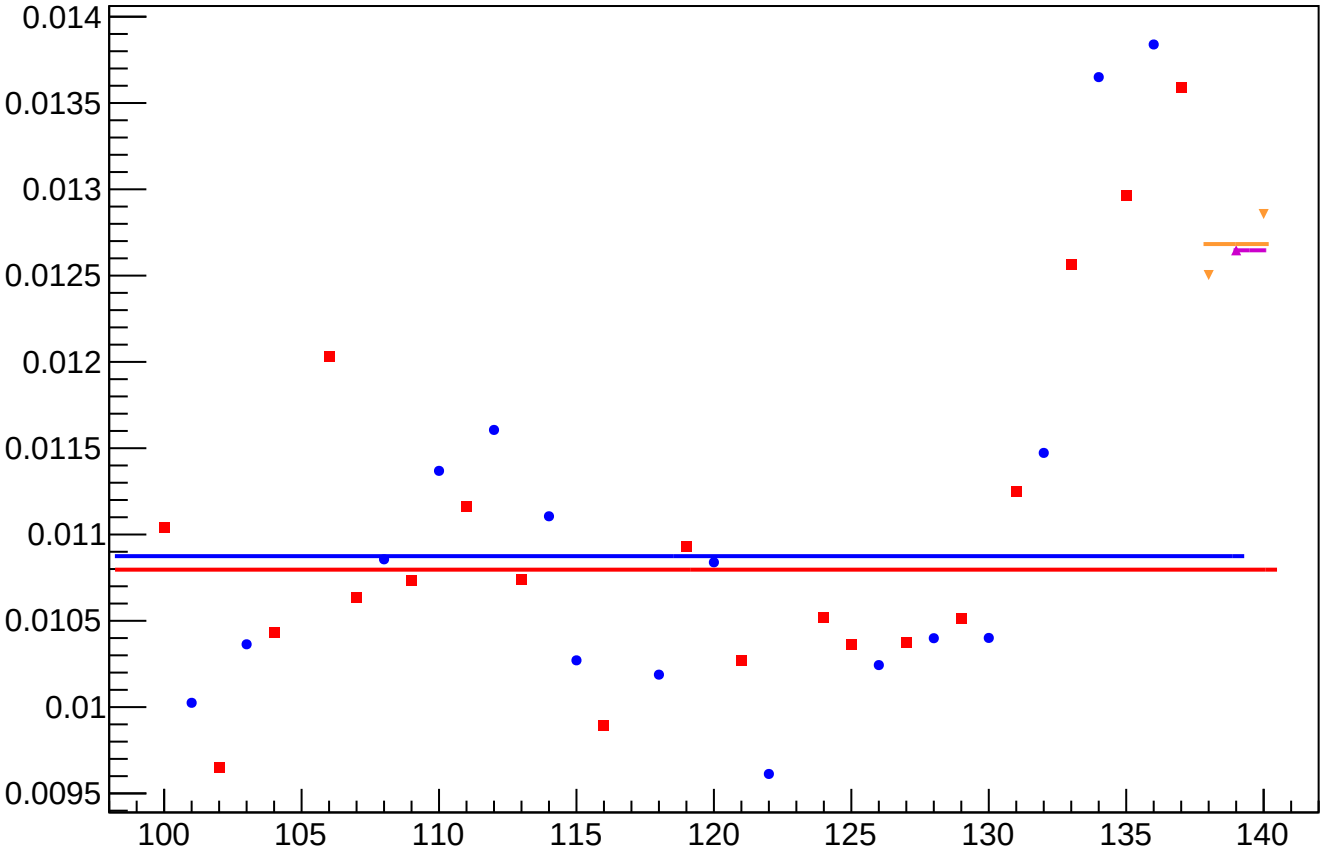
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.666+/-0.000 χ^2/NDF:27149083127.6/16

Out: -0.532+/-0.000 χ^2/NDF:42708029713.7/20

All: -0.595+/-0.000 χ^2/NDF: 70469927696.9/

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:621.3/1

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:0.0/0

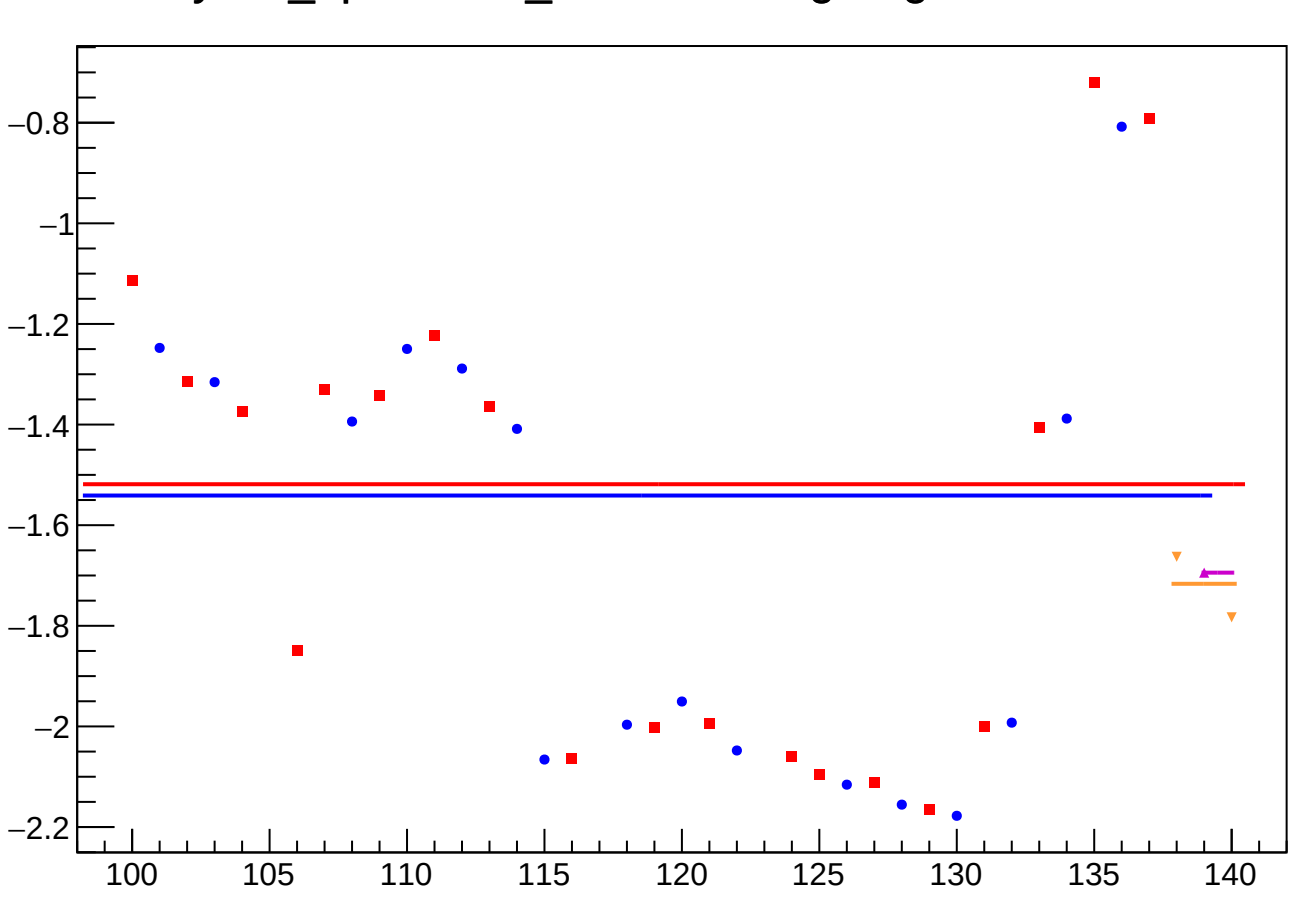
Left: 0.013+/-0.000 χ^2/NDF: 630.3/2

Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.011+/-0.000 χ^2/NDF:187914.8/16

Out: 0.011+/-0.000 χ^2/NDF:160739.7/20

All: 0.011+/-0.000 χ^2/NDF: 348756.6/37



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.717+/-0.000 χ^2/NDF:698729764.1/1

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: -1.694+/-0.000 χ^2/NDF:0.0/0

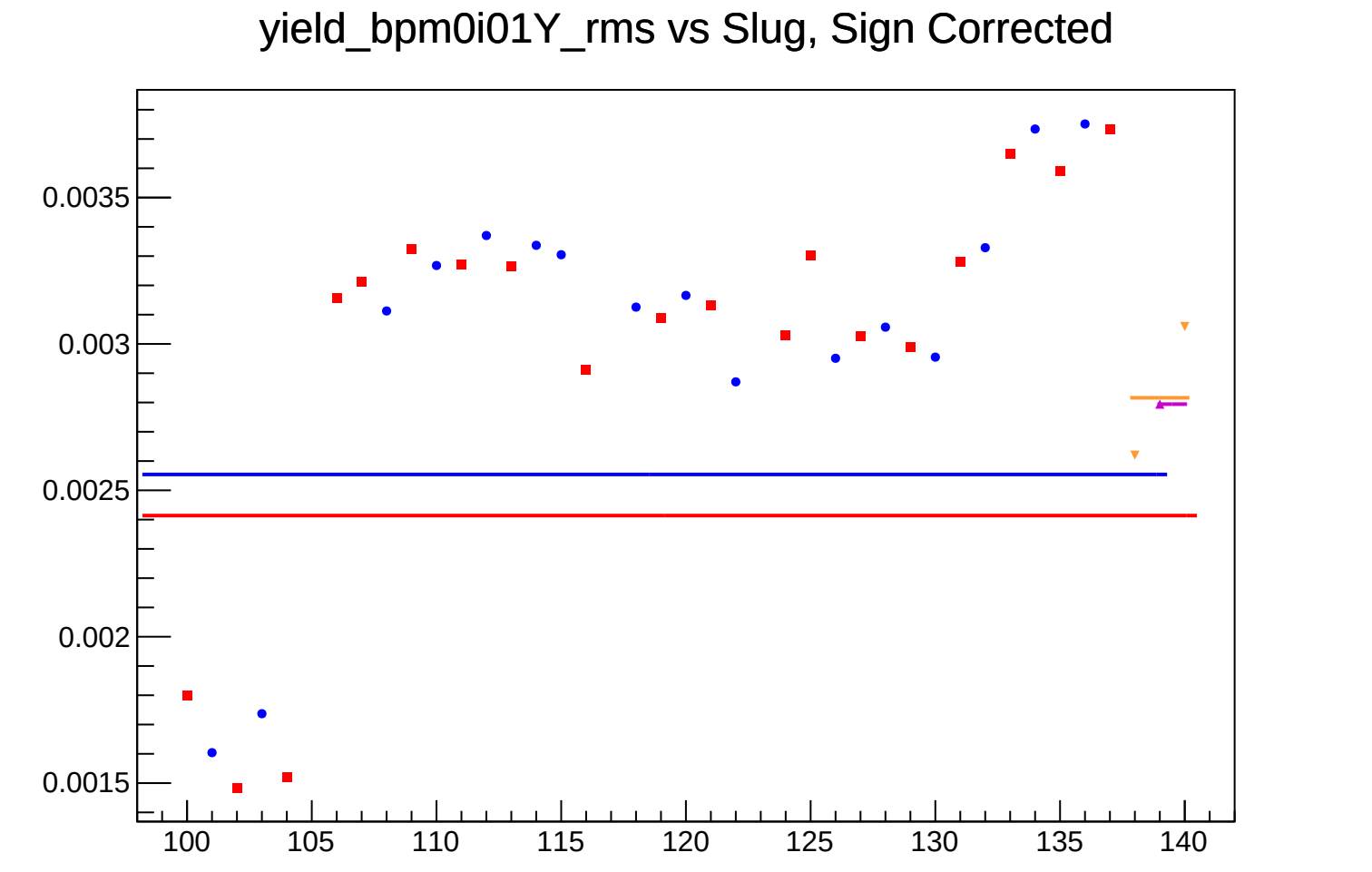
Left: -1.709+/-0.000 χ^2/NDF: 731874206.4/2

Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -1.556+/-0.000 χ^2/NDF:164590750478.3/16

Out: -1.550+/-0.000 χ^2/NDF:152193655829.2/20

All: -1.553+/-0.000 χ^2/NDF: 316804009896.3



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:18645.7/1

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 18709.4/2

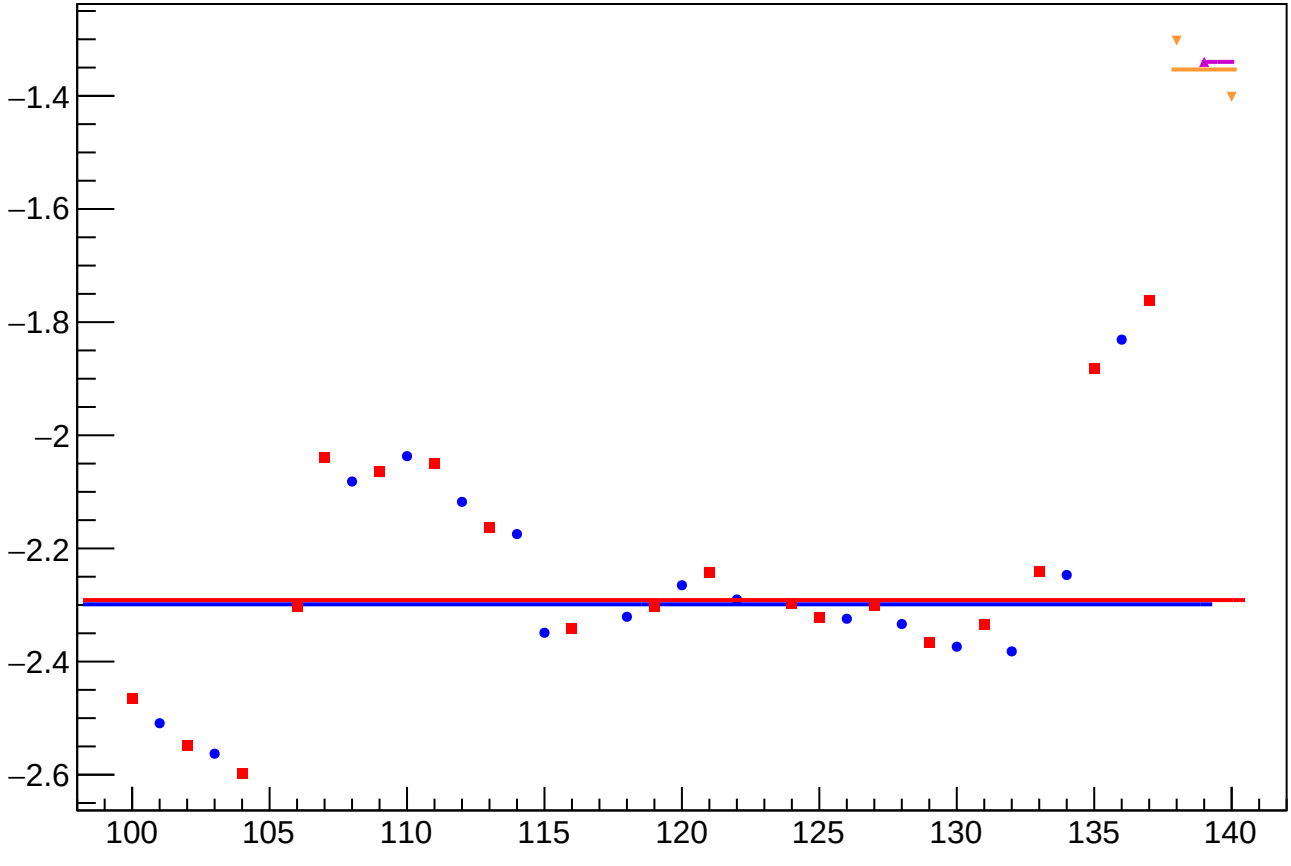
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.003+/-0.000 χ^2/NDF:1183143.7/16

Out: 0.002+/-0.000 χ^2/NDF:1618513.3/20

All: 0.003+/-0.000 χ^2/NDF: 2812734.3/37

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.353+/-0.000 χ^2/NDF:50599350.4/1

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.340+/-0.000 χ^2/NDF:0.0/0

Left: -1.349+/-0.000 χ^2/NDF: 51882331.2/2

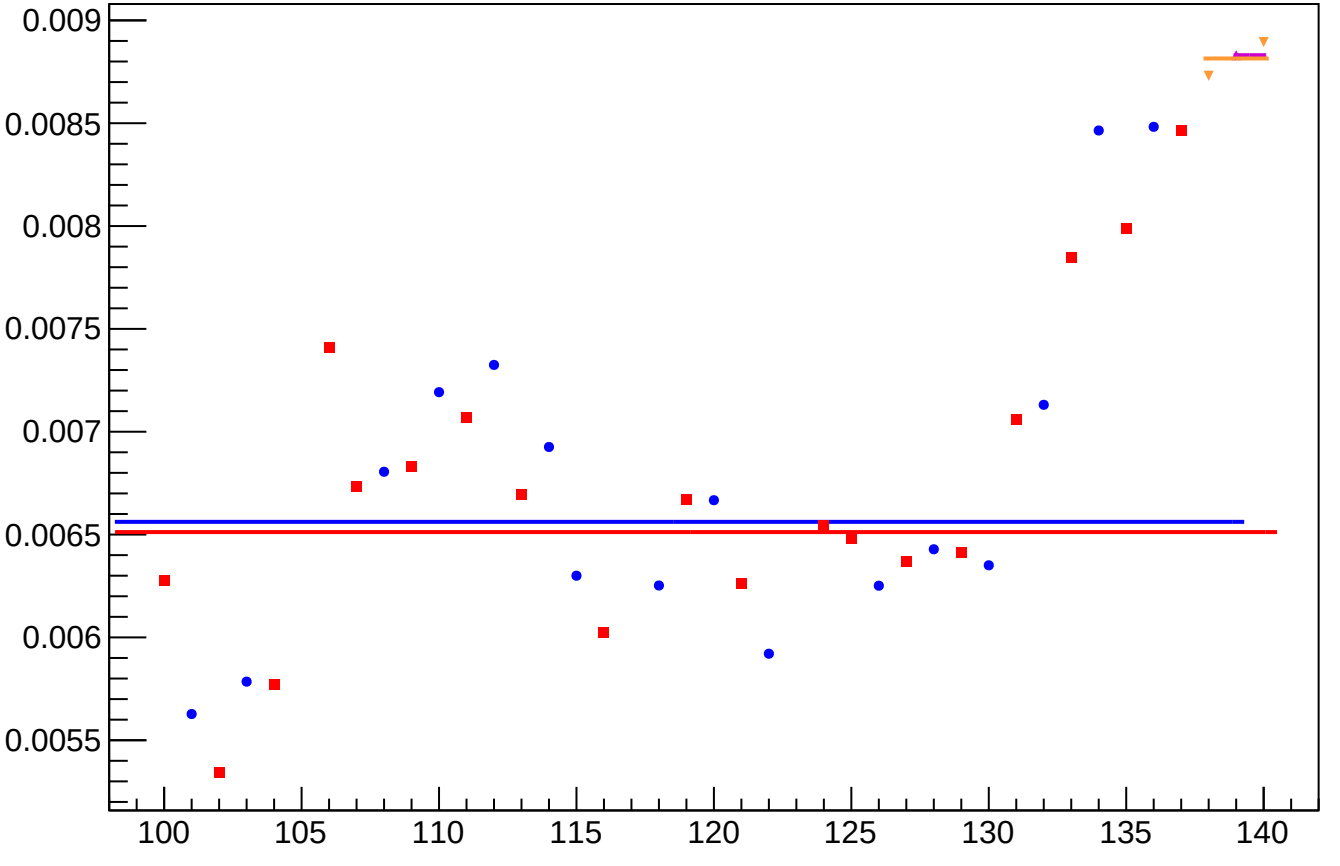
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -2.239+/-0.000 χ^2/NDF:15374783765.0/16

Out: -2.189+/-0.000 χ^2/NDF:22977433531.9/20

All: -2.213+/-0.000 χ^2/NDF: 38576136939.4/

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:275.2/1

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/0

Left: 0.009+/-0.000 χ^2/NDF: 278.8/2

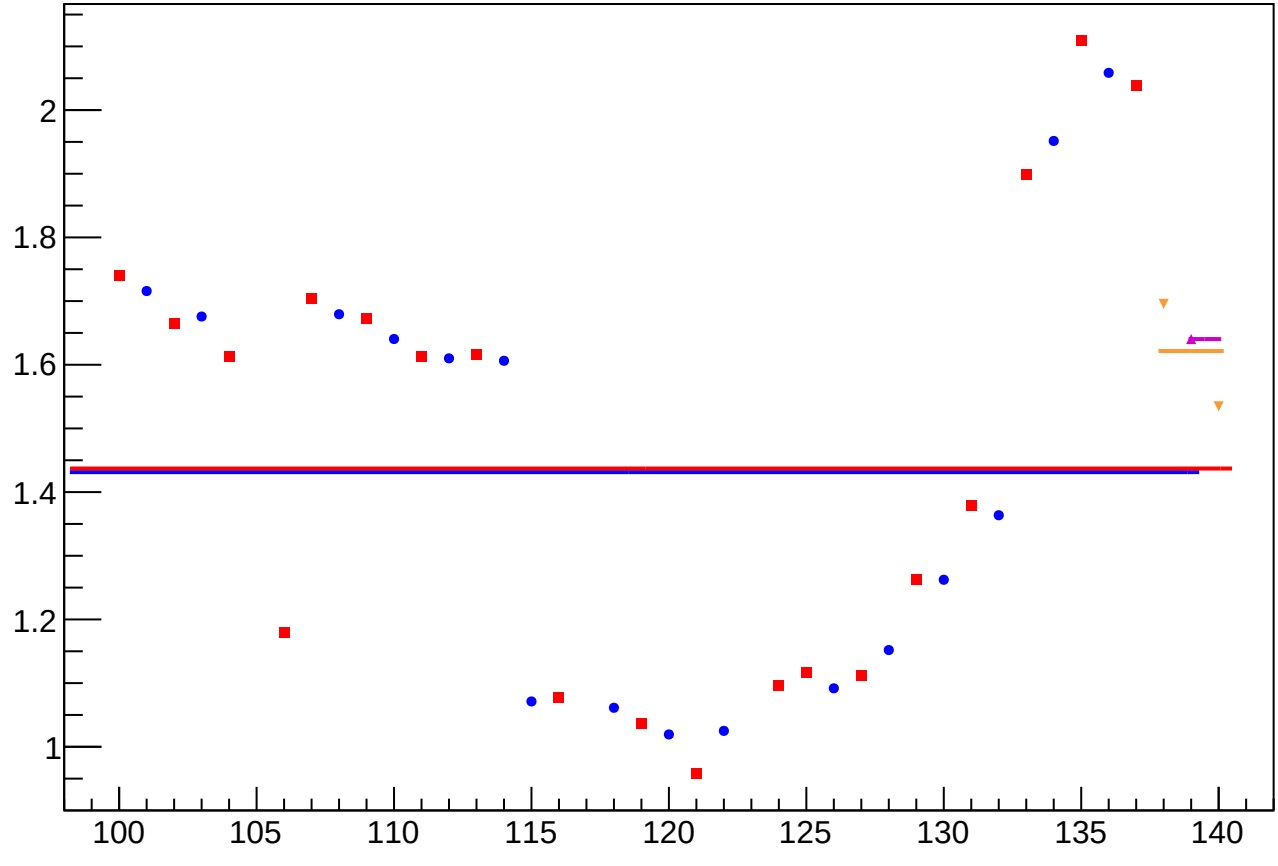
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.007+/-0.000 χ^2/NDF:325426.0/16

Out: 0.007+/-0.000 χ^2/NDF:379259.6/20

All: 0.007+/-0.000 χ^2/NDF: 705330.1/37

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.622+/-0.000 χ^2/NDF:479472432.4/1

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 1.640+/-0.000 χ^2/NDF:0.0/0

Left: 1.628+/-0.000 χ^2/NDF: 488911122.5/2

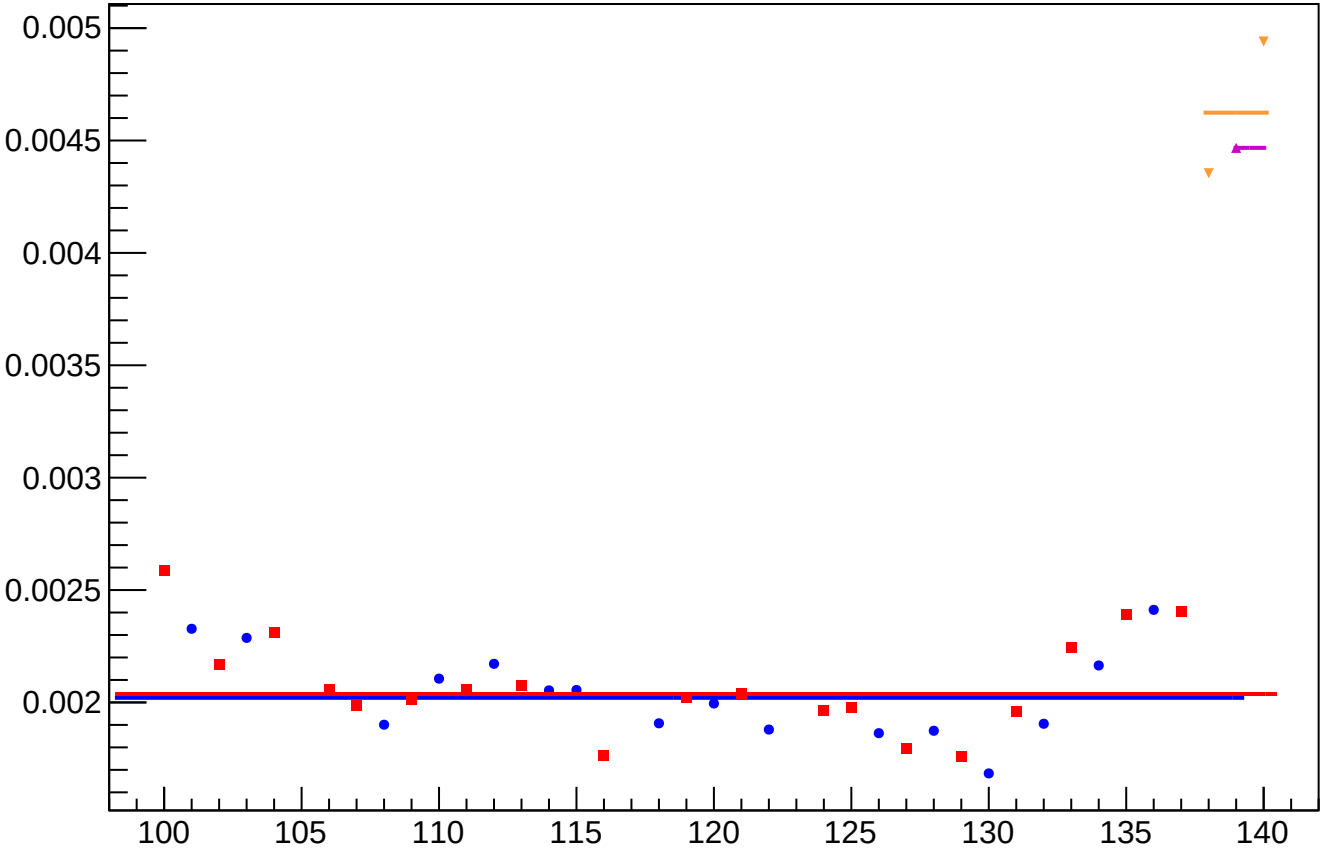
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.437+/-0.000 χ^2/NDF:190952399859.5/16

Out: 1.445+/-0.000 χ^2/NDF:184927637338.8/20

All: 1.441+/-0.000 χ^2/NDF: 375941370785.8

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:12726.9/1

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.004+/-0.000 χ^2/NDF:0.0/0

Left: 0.005+/-0.000 χ^2/NDF: 14033.9/2

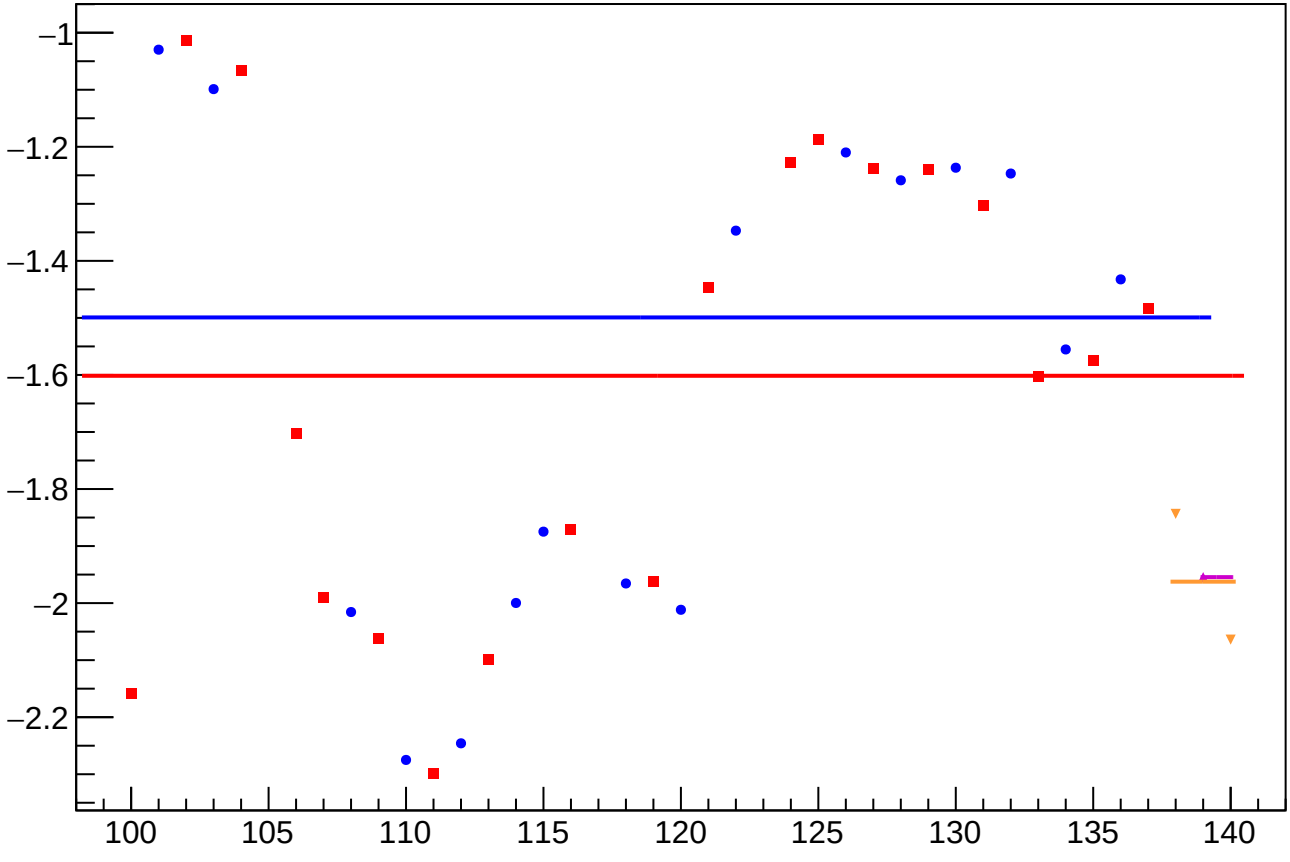
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.002+/-0.000 χ^2/NDF:640331.3/16

Out: 0.002+/-0.000 χ^2/NDF:1080292.7/20

All: 0.002+/-0.000 χ^2/NDF: 1728628.1/37

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.962+/-0.000 χ^2/NDF:631145551.4/1

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.954+/-0.000 χ^2/NDF:0.0/0

Left: -1.960+/-0.000 χ^2/NDF: 632318780.0/2

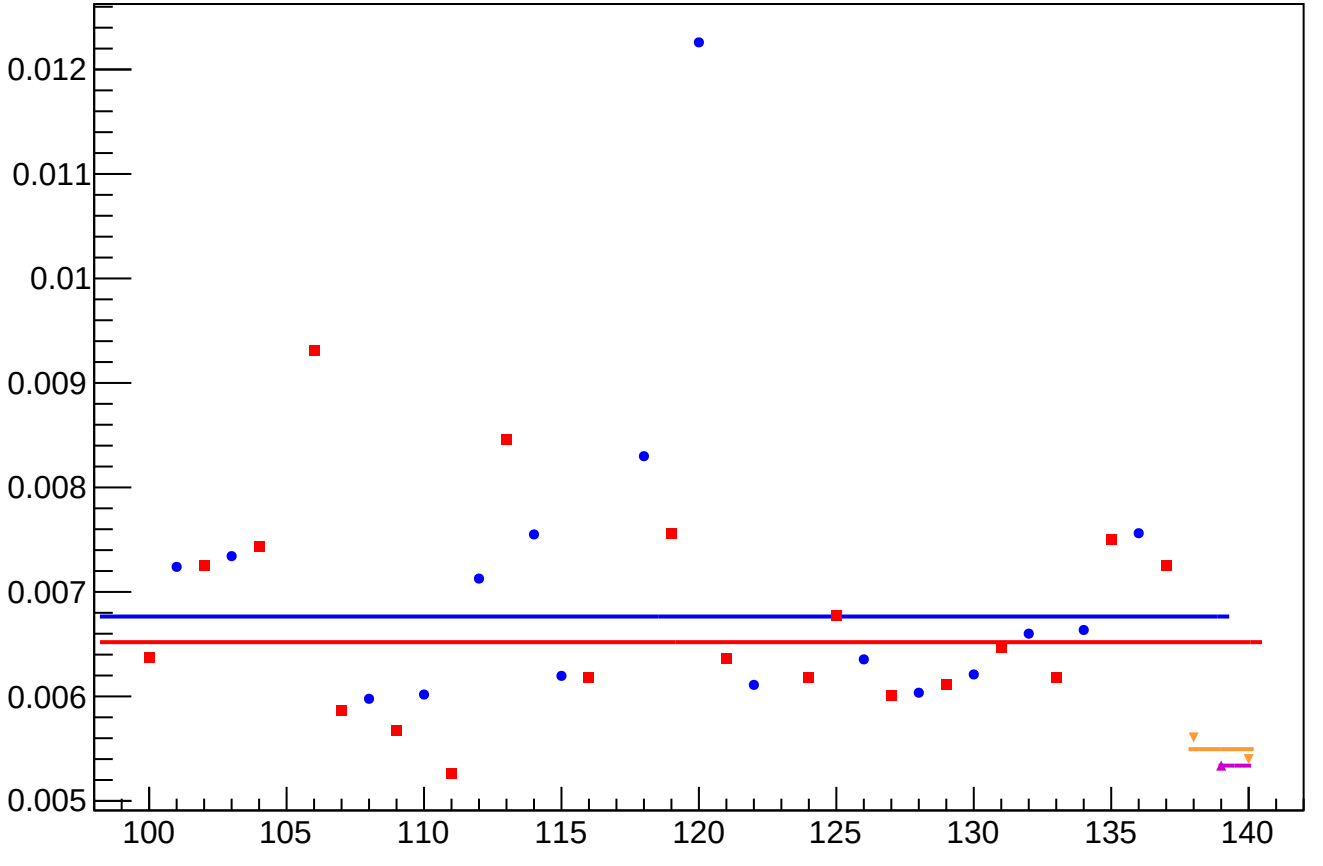
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.576+/-0.000 χ^2/NDF:27898042814.8/16

Out: -1.689+/-0.000 χ^2/NDF:34105742307.0/20

All: -1.639+/-0.000 χ^2/NDF: 63222889580.3/

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:1120.5/1

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.005+/-0.000 χ^2/NDF:0.0/0

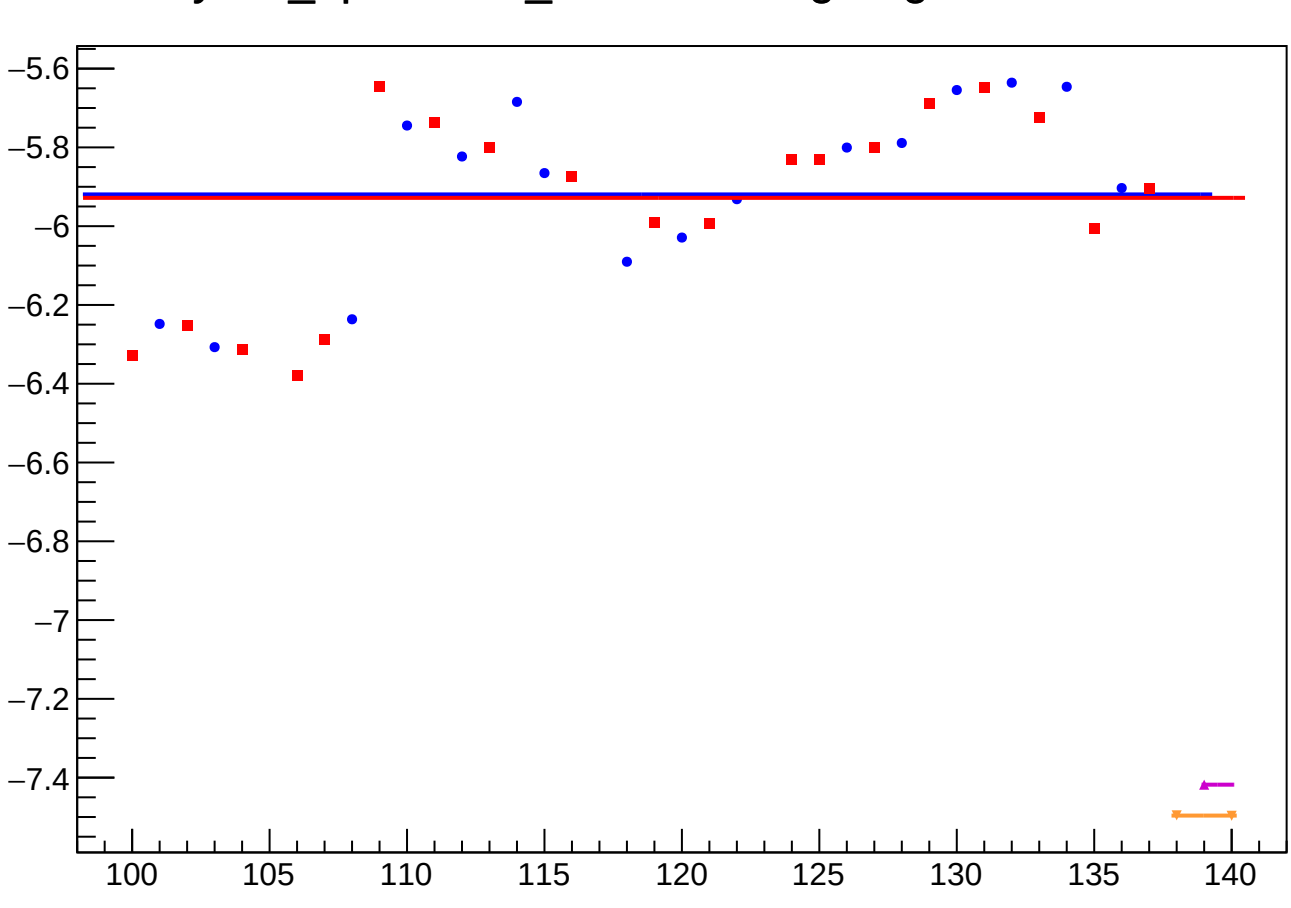
Left: 0.005+/-0.000 χ^2/NDF: 2042.7/2

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:336141.6/16

Out: 0.006+/-0.000 χ^2/NDF:329462.4/20

All: 0.006+/-0.000 χ^2/NDF: 677816.6/37



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.496+/-0.000 χ^2/NDF:4123.3/1

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -7.418+/-0.000 χ^2/NDF:0.0/0

Left: -7.471+/-0.000 χ^2/NDF: 27800719.9/2

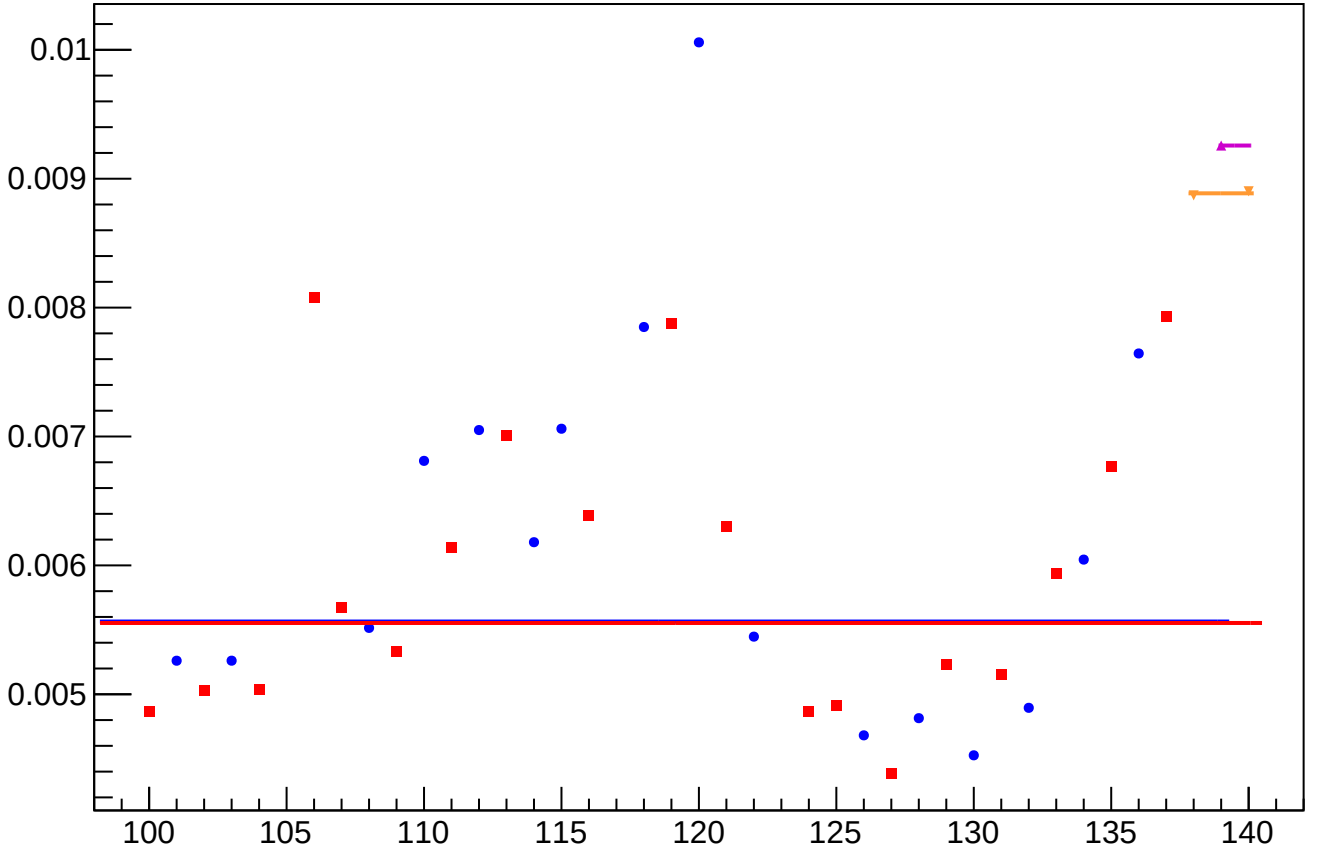
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -5.968+/-0.000 χ^2/NDF:26301527315.5/16

Out: -6.025+/-0.000 χ^2/NDF:44558735265.8/20

All: -5.998+/-0.000 χ^2/NDF: 71199760993.1/

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:6.9/1

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/0

Left: 0.009+/-0.000 χ^2/NDF: 1248.0/2

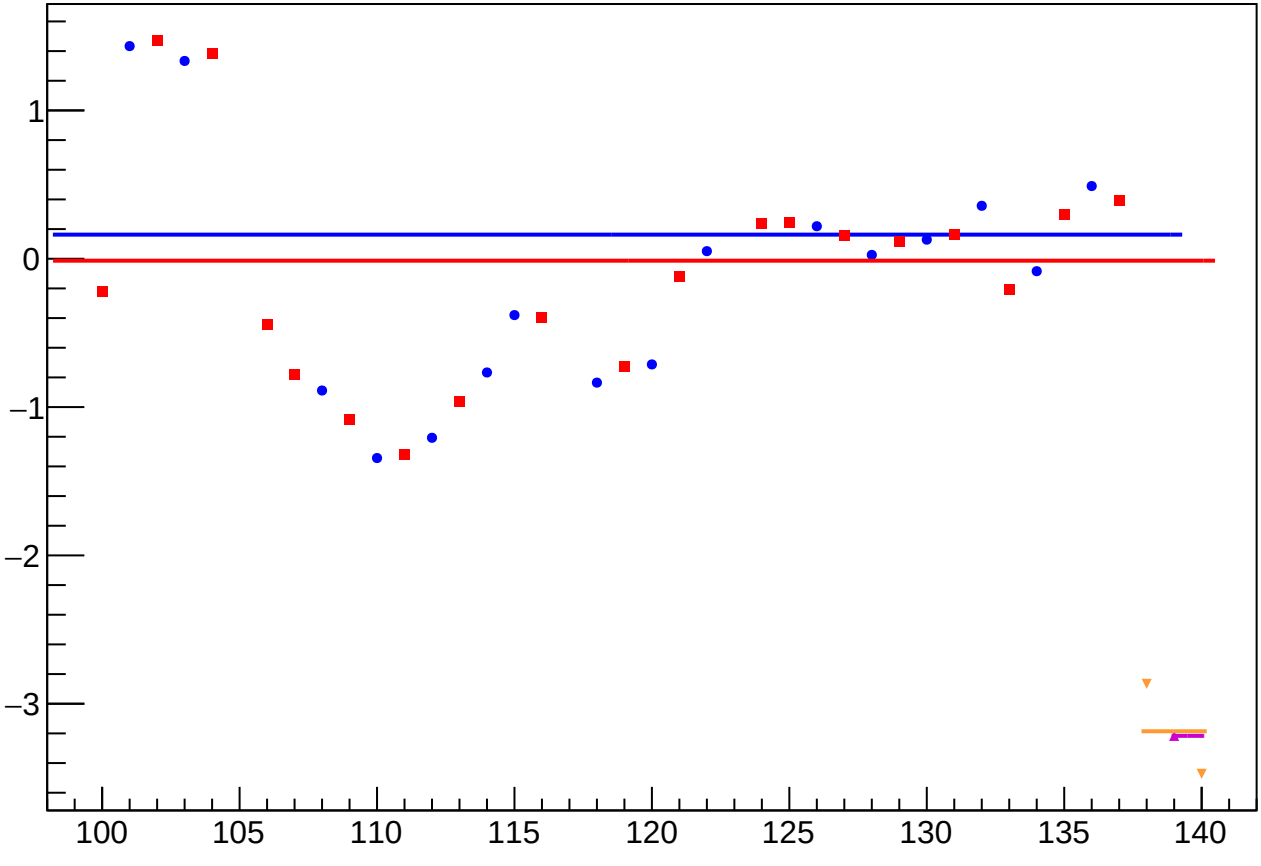
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.006+/-0.000 χ^2/NDF:672404.5/16

Out: 0.006+/-0.000 χ^2/NDF:652963.6/20

All: 0.006+/-0.000 χ^2/NDF: 1326521.7/37

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.186+/-0.000 χ^2/NDF:437607355.3/1

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.217+/-0.000 χ^2/NDF:0.0/0

Left: -3.196+/-0.000 χ^2/NDF: 439138497.0/2

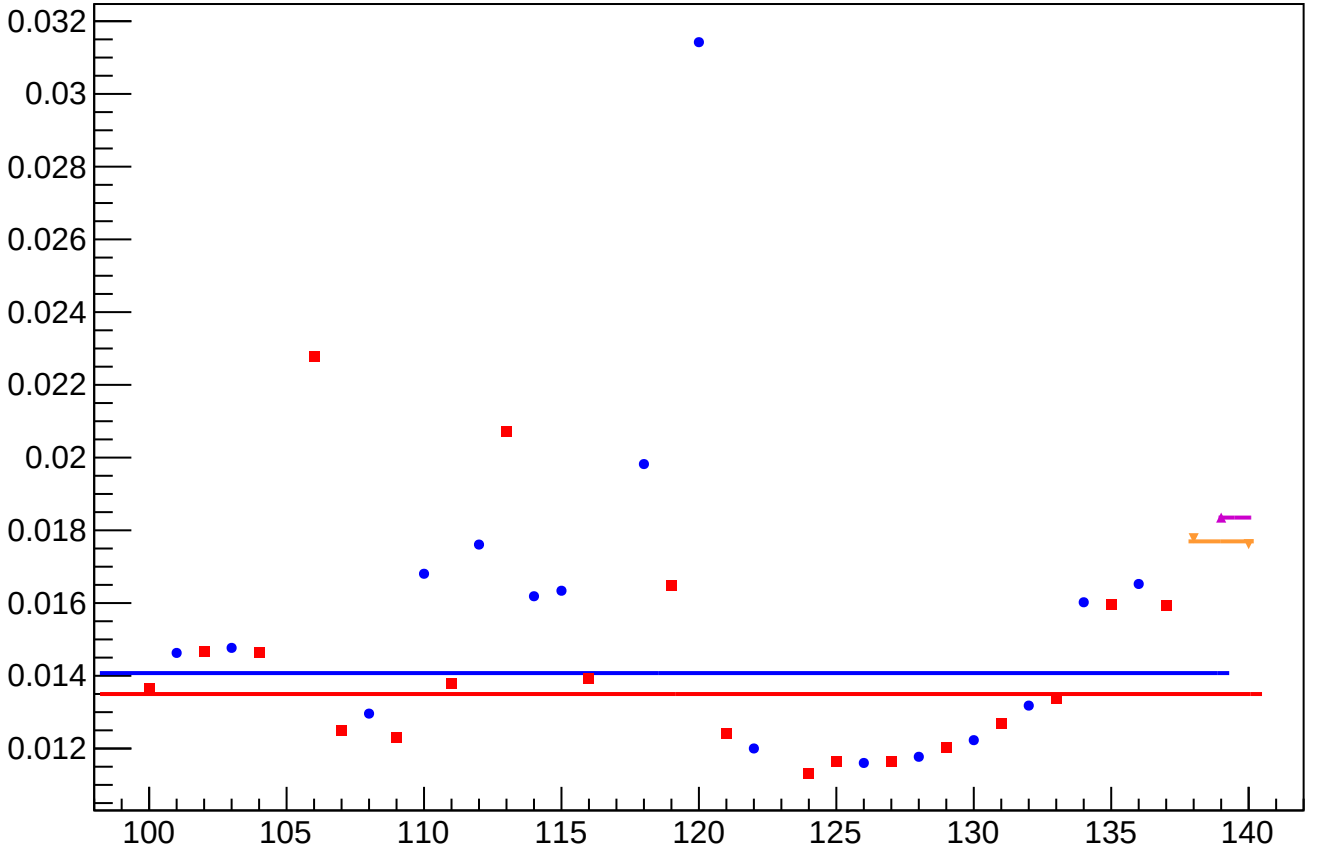
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -0.074+/-0.000 χ^2/NDF:43419403198.6/16

Out: -0.374+/-0.000 χ^2/NDF:65501231631.5/20

All: -0.239+/-0.000 χ^2/NDF: 110614951765.8

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:63.1/1

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:0.0/0

Left: 0.018+/-0.000 χ^2/NDF: 1429.5/2

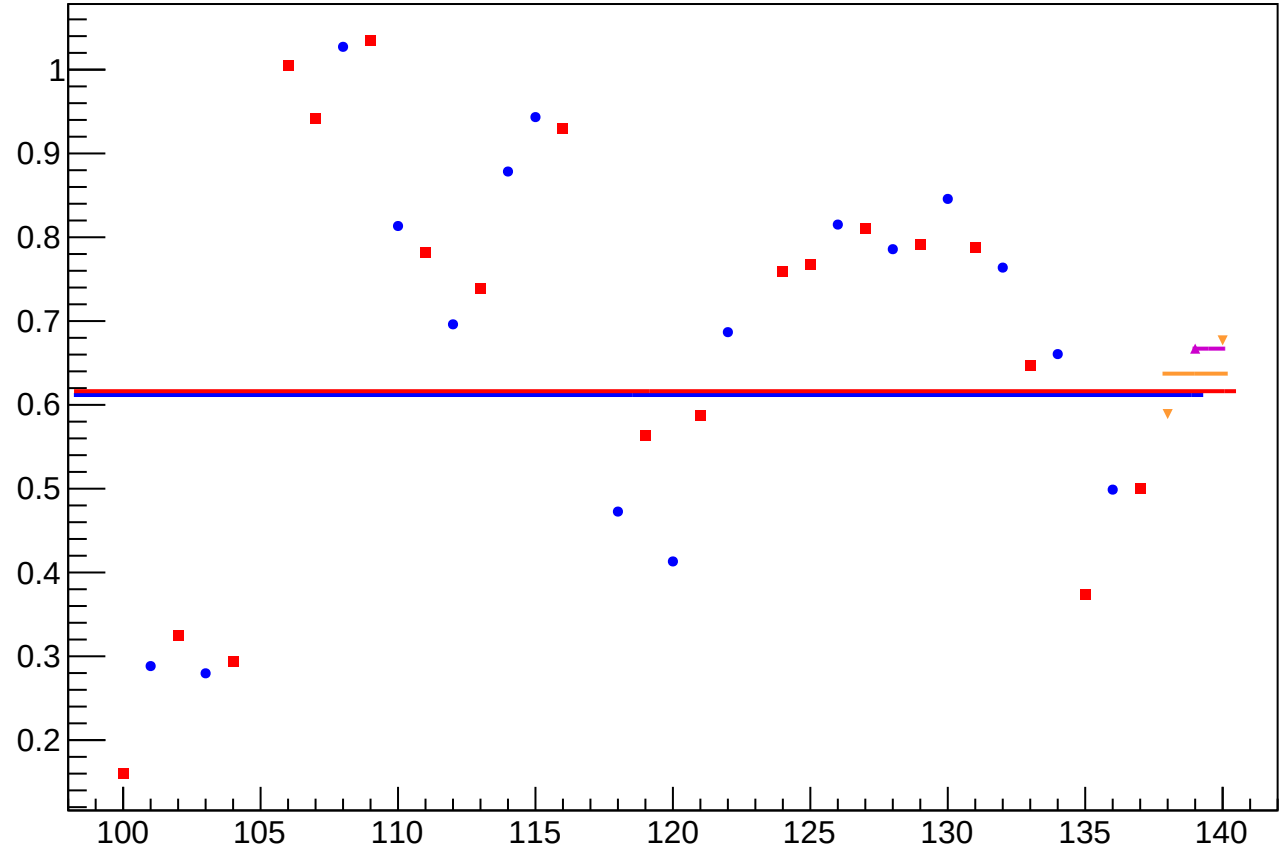
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.014+/-0.000 χ^2/NDF:547019.6/16

Out: 0.014+/-0.000 χ^2/NDF:463960.3/20

All: 0.014+/-0.000 χ^2/NDF: 1016948.2/37

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.637+/-0.000 χ^2/NDF:41479817.3/1

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 0.667+/-0.000 χ^2/NDF:0.0/0

Left: 0.646+/-0.000 χ^2/NDF: 46932669.6/2

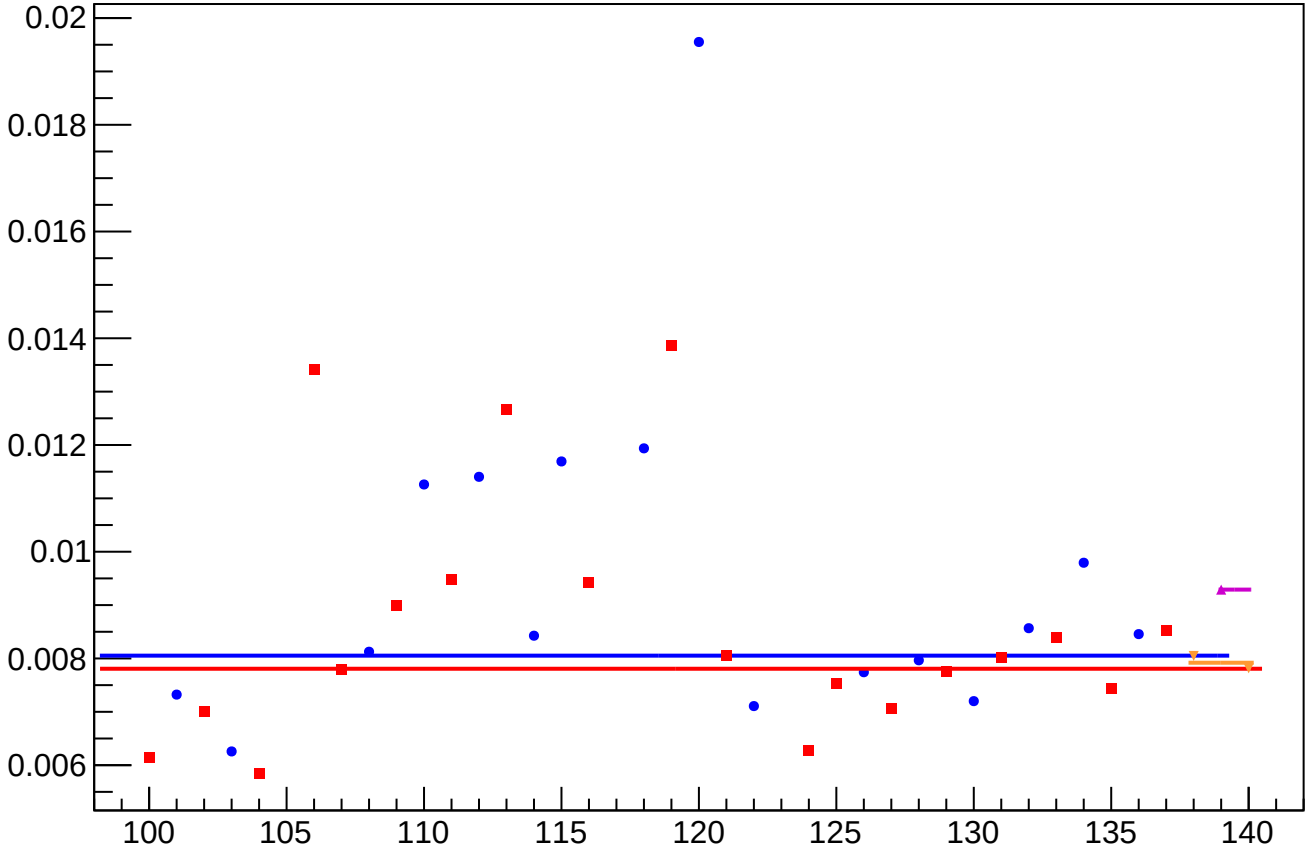
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.616+/-0.000 χ^2/NDF:5662984964.8/16

Out: 0.620+/-0.000 χ^2/NDF:6468865209.0/20

All: 0.618+/-0.000 χ^2/NDF: 12132568425.9/3

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:571.9/1

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/0

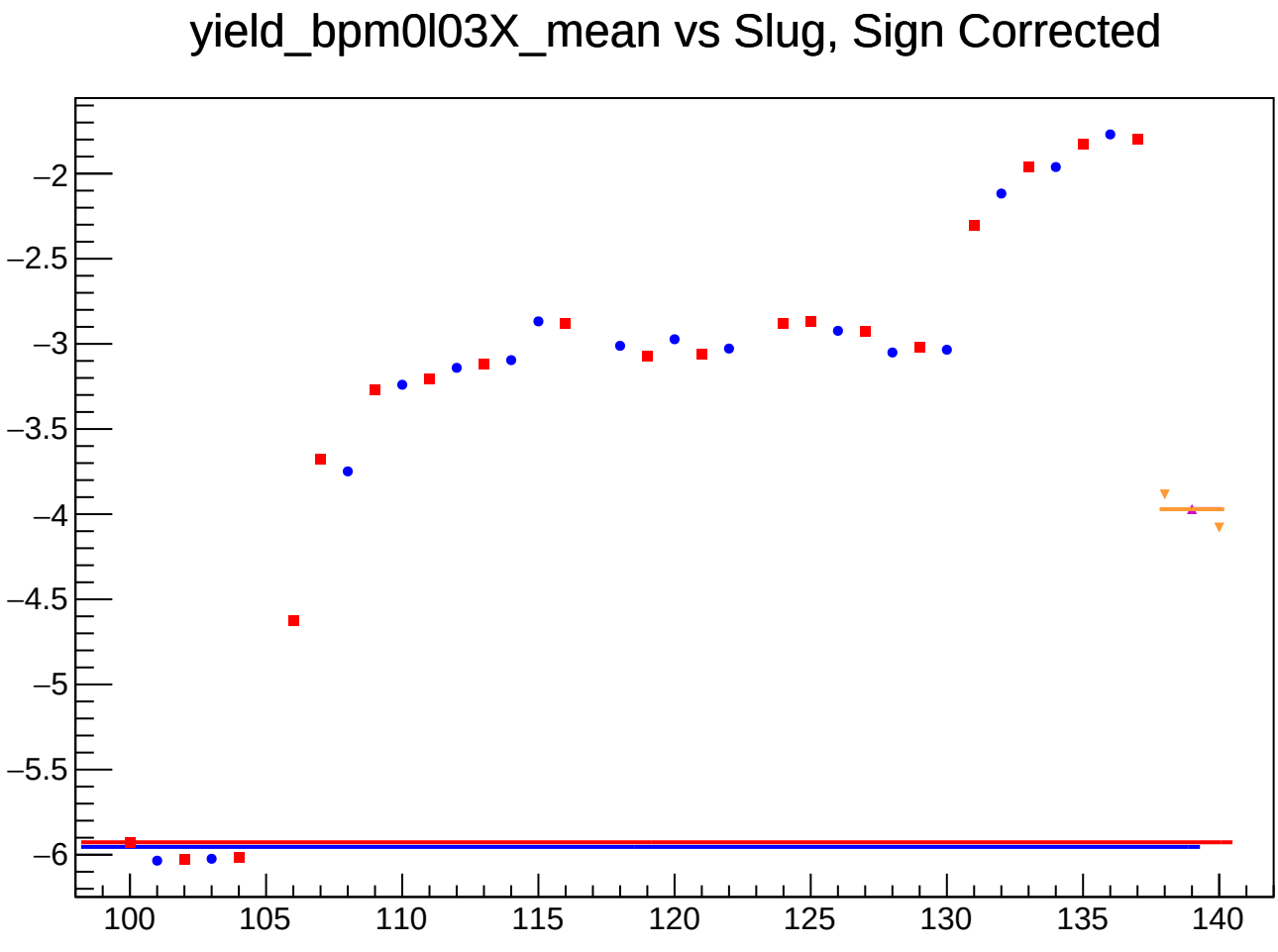
Left: 0.008+/-0.000 χ^2/NDF: 23573.7/2

Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:622290.8/16

Out: 0.008+/-0.000 χ^2/NDF:588186.1/20

All: 0.008+/-0.000 χ^2/NDF: 1222773.5/37



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -3.971+/-0.000 χ^2/NDF:2018452.1/1

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -3.970+/-0.000 χ^2/NDF:0.0/0

Left: -3.971+/-0.000 χ^2/NDF: 2018498.8/2

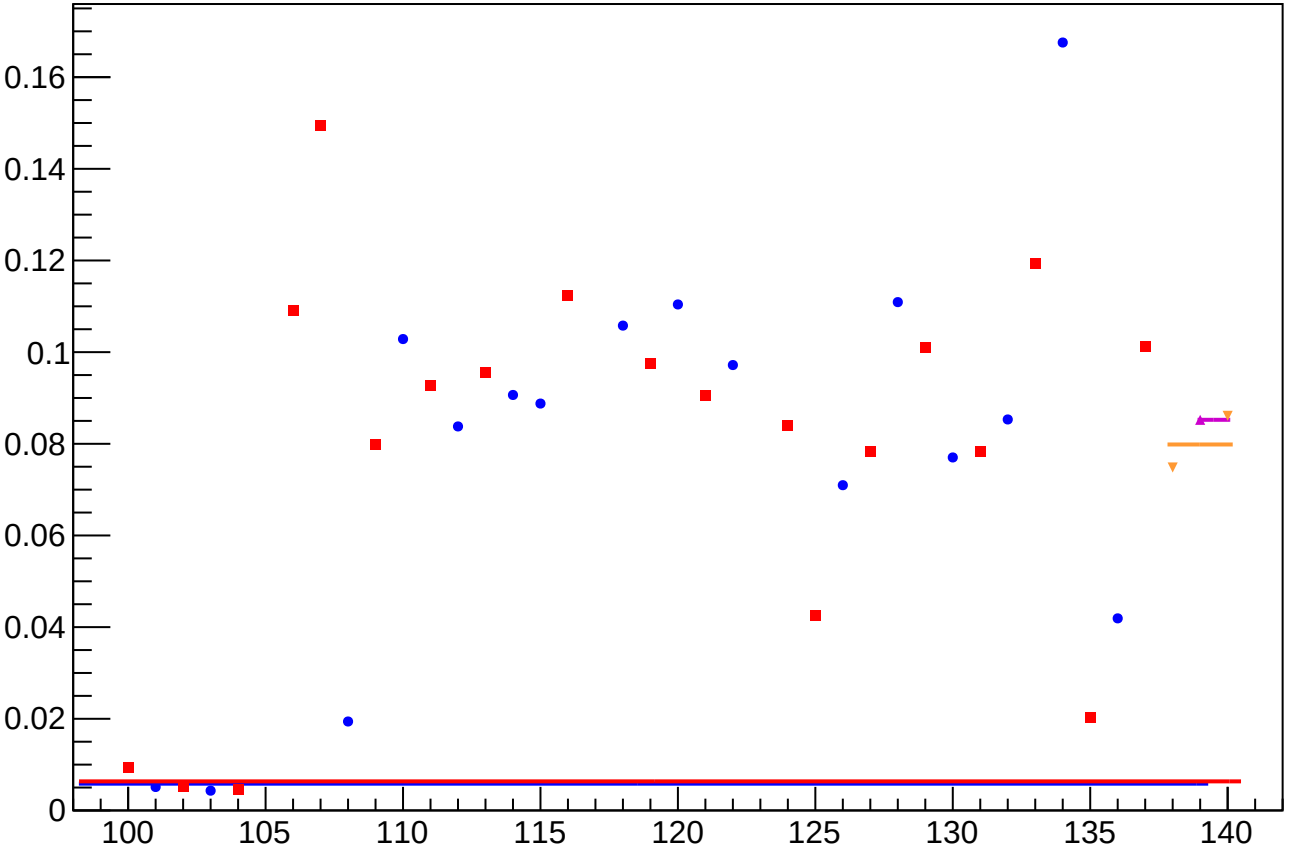
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.951+/-0.000 χ^2/NDF:13440550039.0/16

Out: -5.917+/-0.000 χ^2/NDF:14745722890.1/20

All: -5.935+/-0.000 χ^2/NDF: 28212825899.5/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.080+/-0.000 χ^2/NDF:13538.3/1

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.085+/-0.000 χ^2/NDF:0.0/0

Left: 0.081+/-0.000 χ^2/NDF: 17126.4/2

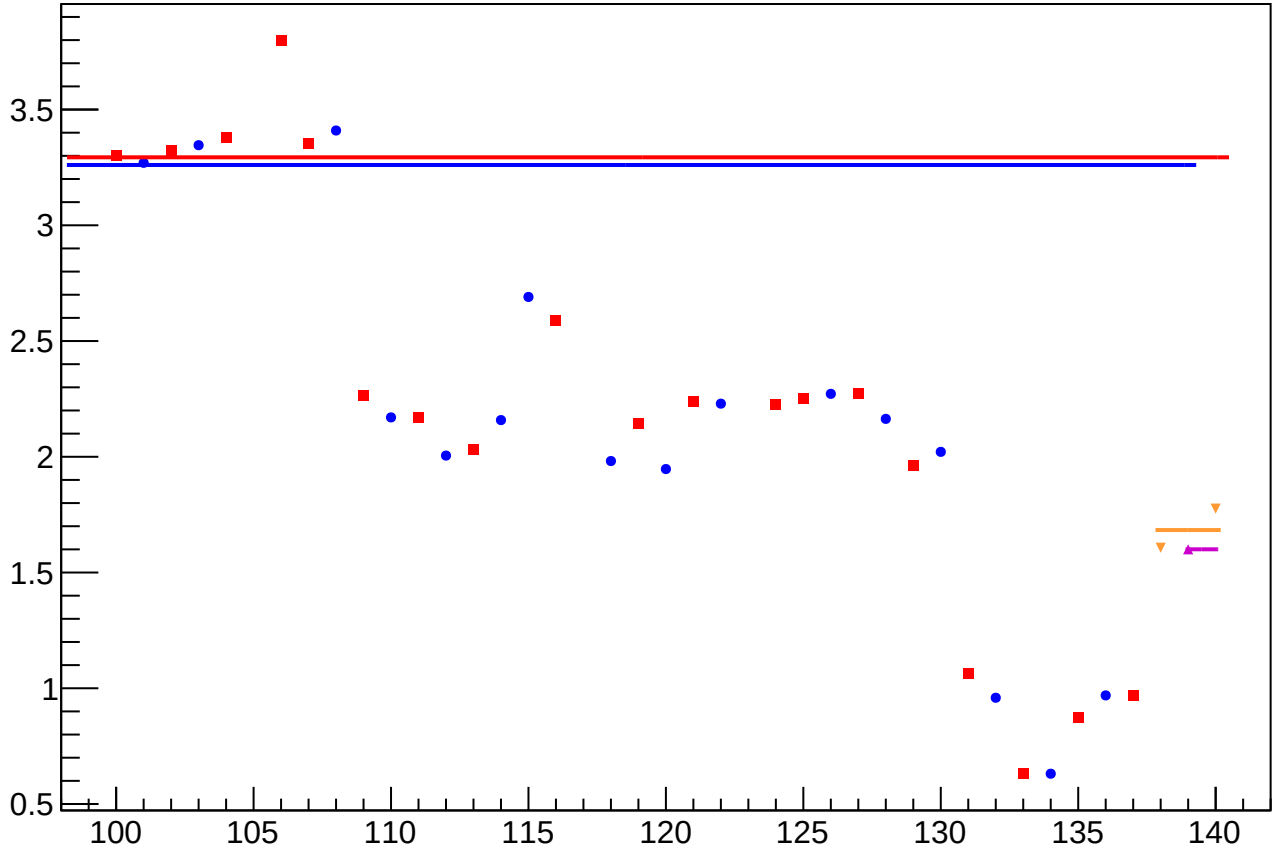
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.006+/-0.000 χ^2/NDF:9792870.1/16

Out: 0.007+/-0.000 χ^2/NDF:11084084.5/20

All: 0.006+/-0.000 χ^2/NDF: 20902473.0/37

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.683+/-0.000 χ^2/NDF:1244917.4/1

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.600+/-0.000 χ^2/NDF:0.0/0

Left: 1.659+/-0.000 χ^2/NDF: 1601608.2/2

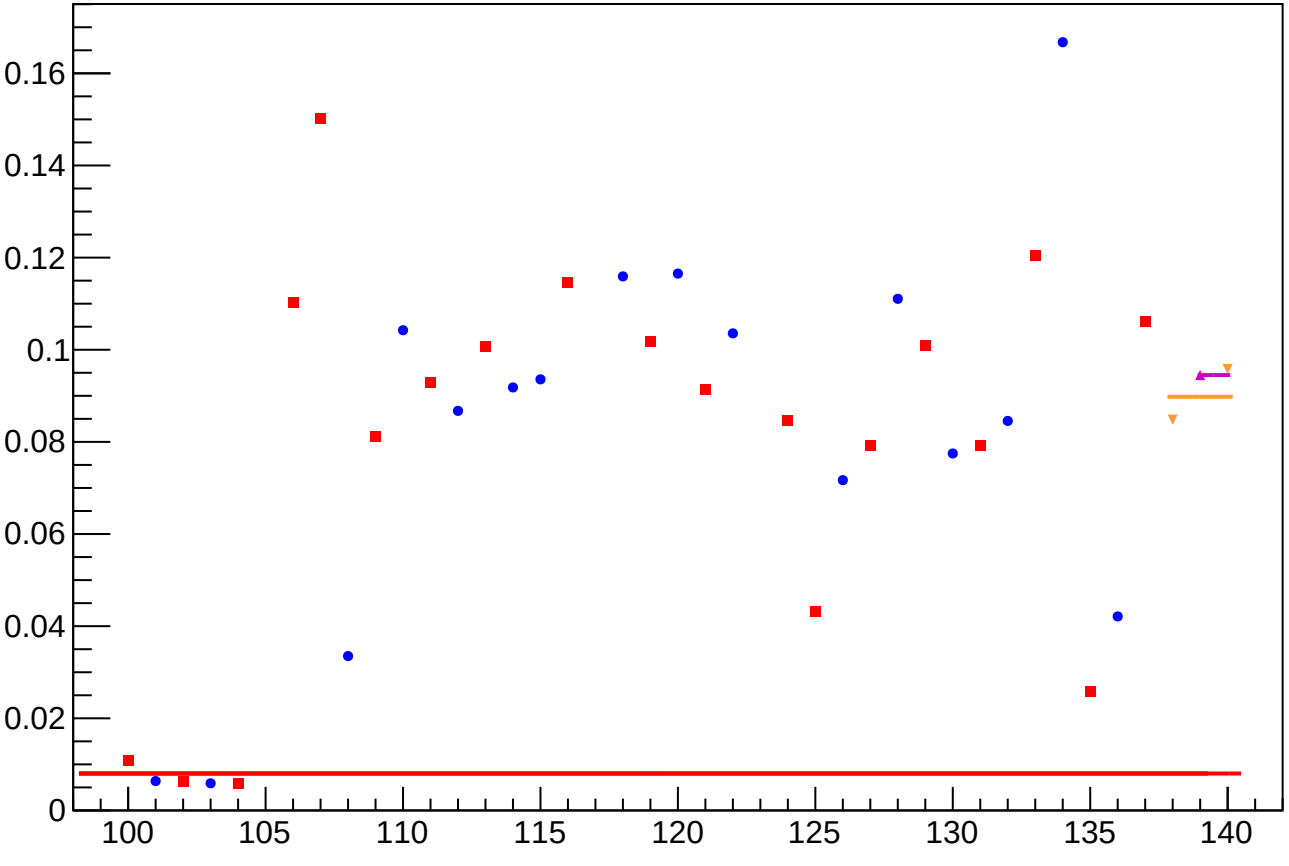
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.257+/-0.000 χ^2/NDF:3210394763.6/16

Out: 3.284+/-0.000 χ^2/NDF:3699070148.3/20

All: 3.270+/-0.000 χ^2/NDF: 6920839586.5/37

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.090+/-0.000 χ^2/NDF:10516.7/1

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.095+/-0.000 χ^2/NDF:0.0/0

Left: 0.091+/-0.000 χ^2/NDF: 12808.7/2

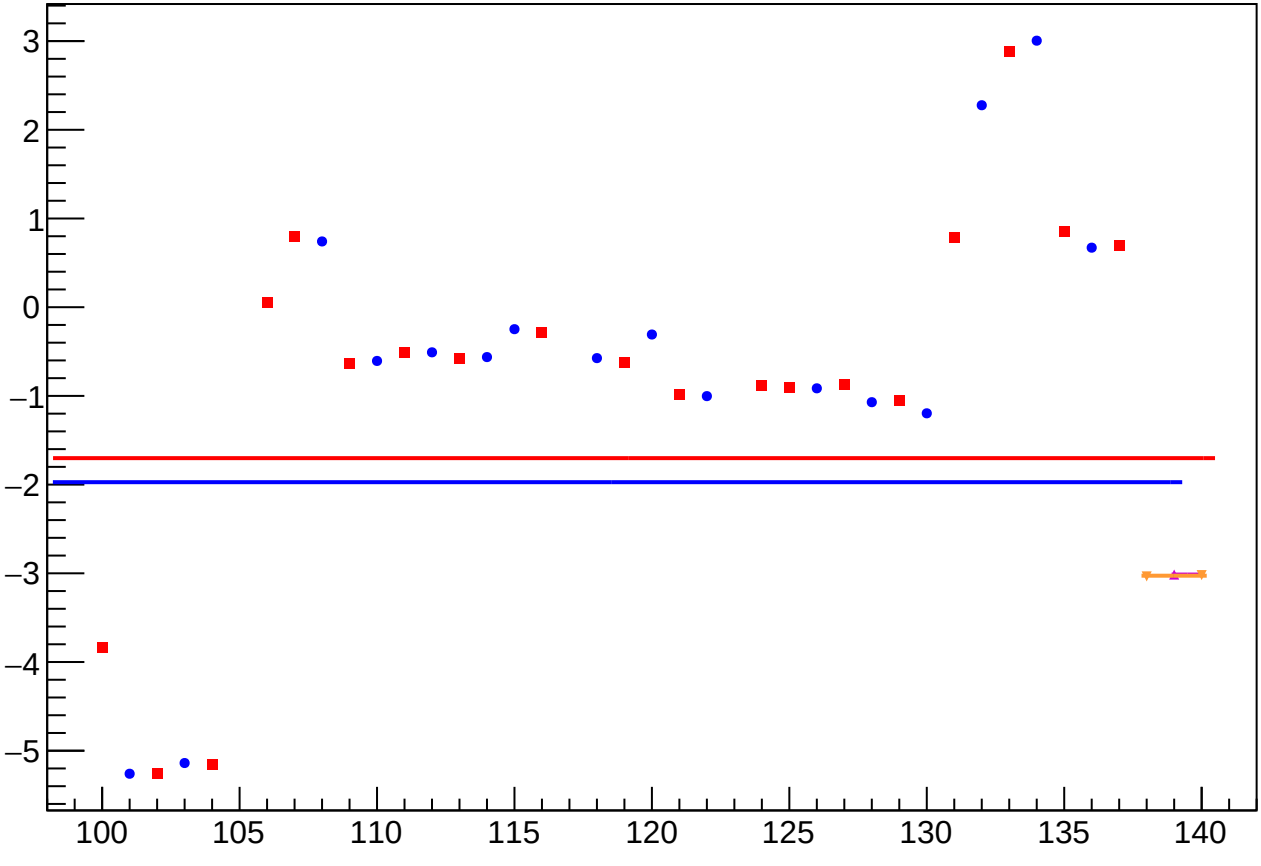
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.008+/-0.000 χ^2/NDF:9505407.4/16

Out: 0.009+/-0.000 χ^2/NDF:10895172.9/20

All: 0.008+/-0.000 χ^2/NDF: 20402998.2/37

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.027+/-0.000 χ^2/NDF:1368957.5/1

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -3.014+/-0.000 χ^2/NDF:0.0/0

Left: -3.023+/-0.000 χ^2/NDF: 2857171.1/2

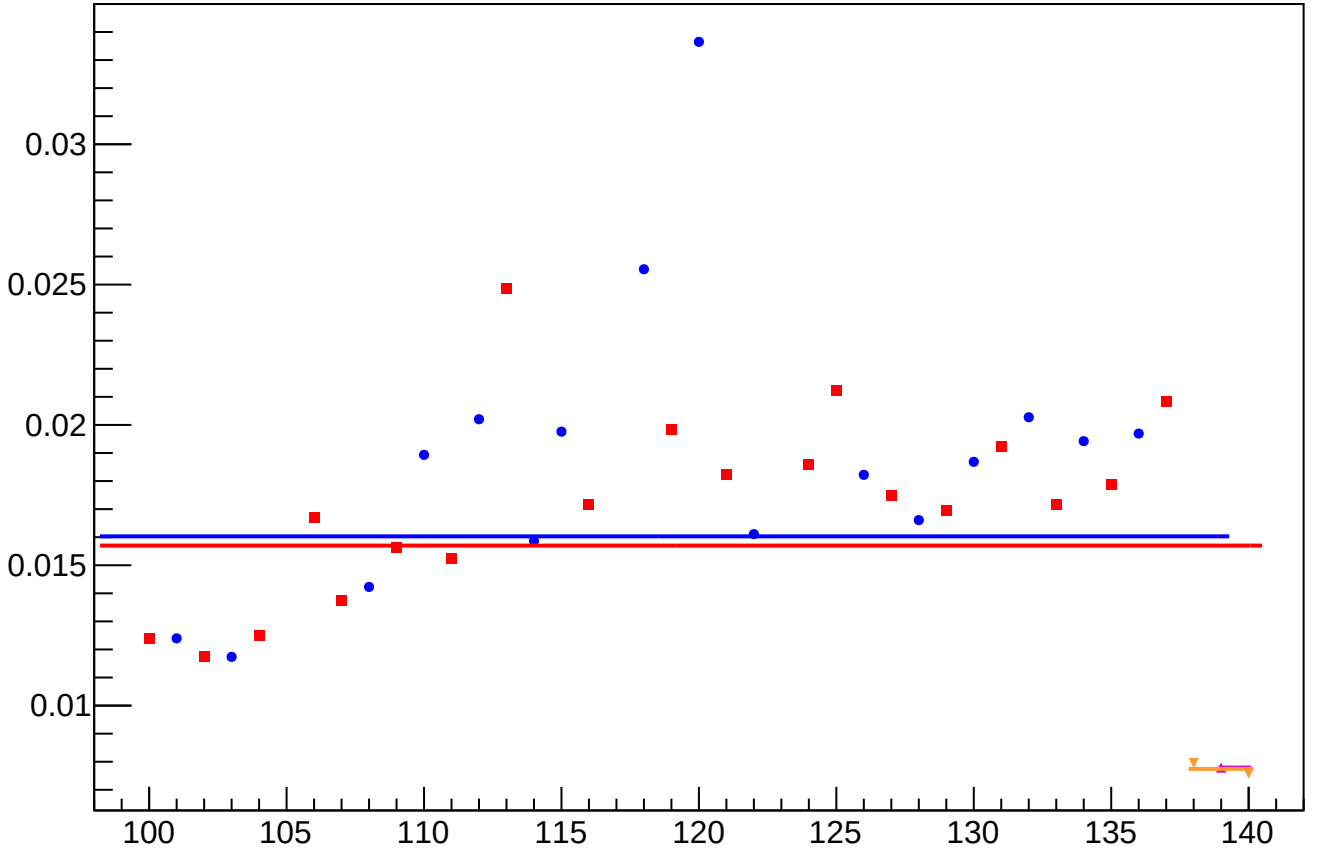
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.363+/-0.000 χ^2/NDF:171182571888.3/16

Out: -2.366+/-0.000 χ^2/NDF:190903924090.4/20

All: -2.365+/-0.000 χ^2/NDF: 362086689822.2

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:1826.4/1

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:0.0/0

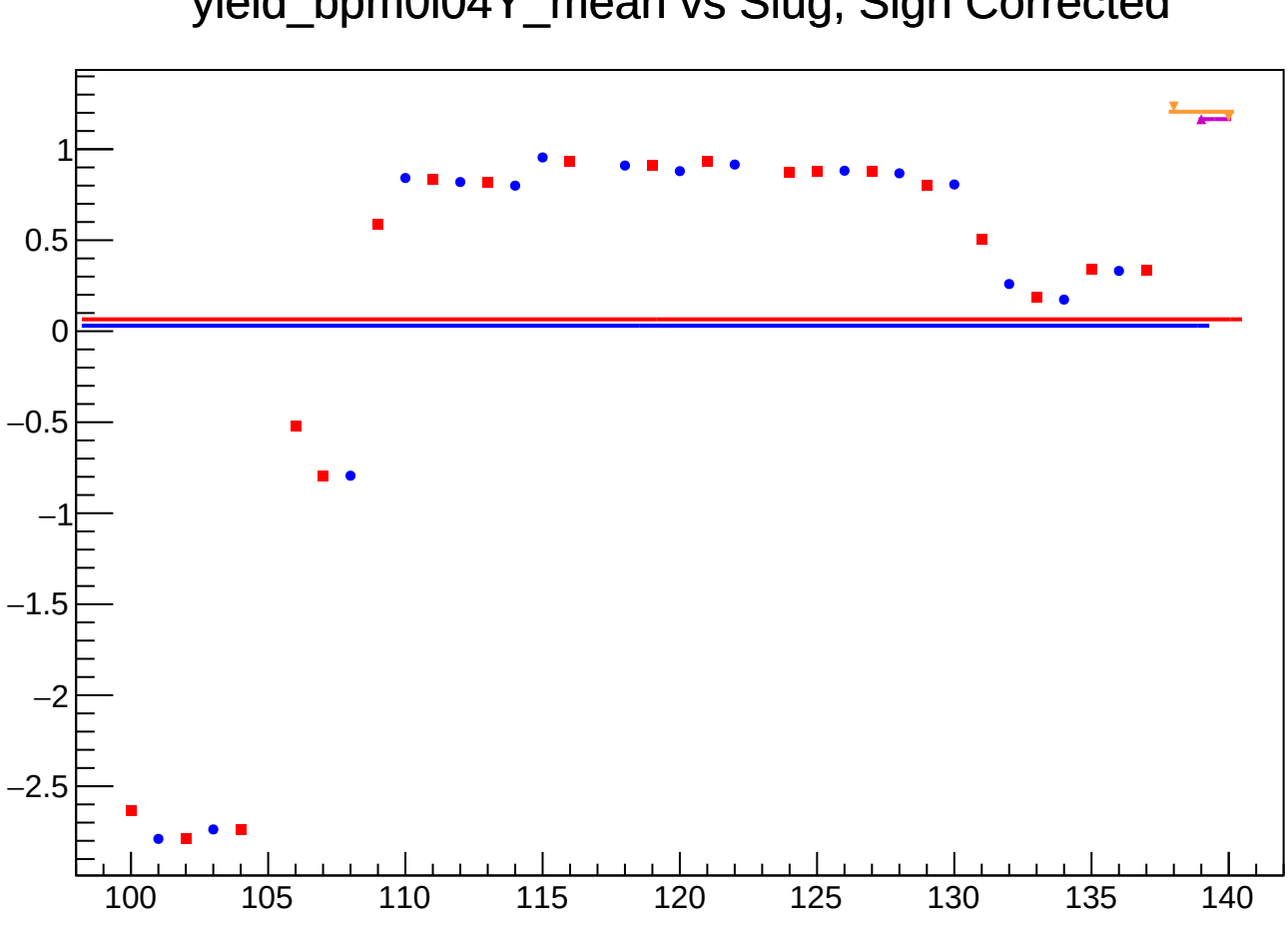
Left: 0.008+/-0.000 χ^2/NDF: 1864.9/2

Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.013+/-0.000 χ^2/NDF:1888346.5/16

Out: 0.012+/-0.000 χ^2/NDF:2145977.3/20

All: 0.012+/-0.000 χ^2/NDF: 4098795.3/37



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.206+/-0.000 χ^2/NDF:17558987.9/1

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 1.165+/-0.000 χ^2/NDF:0.0/0

Left: 1.193+/-0.000 χ^2/NDF: 29583619.9/2

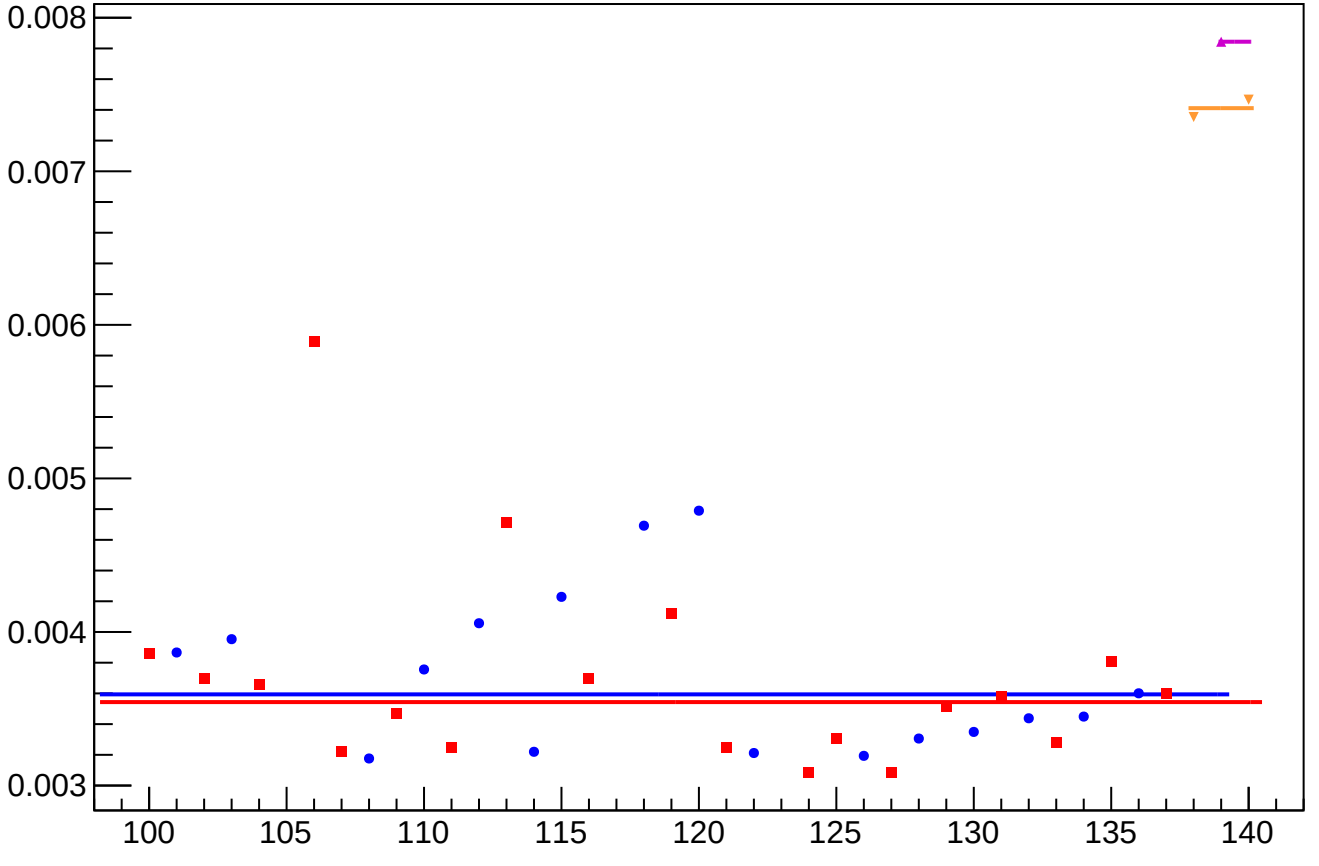
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.053+/-0.000 χ^2/NDF:865209471967.7/16

Out: 0.110+/-0.000 χ^2/NDF:963734614191.6/20

All: 0.083+/-0.000 χ^2/NDF: 1829829440646.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:144.2/1

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:0.0/0

Left: 0.008+/-0.000 χ^2/NDF: 2865.9/2

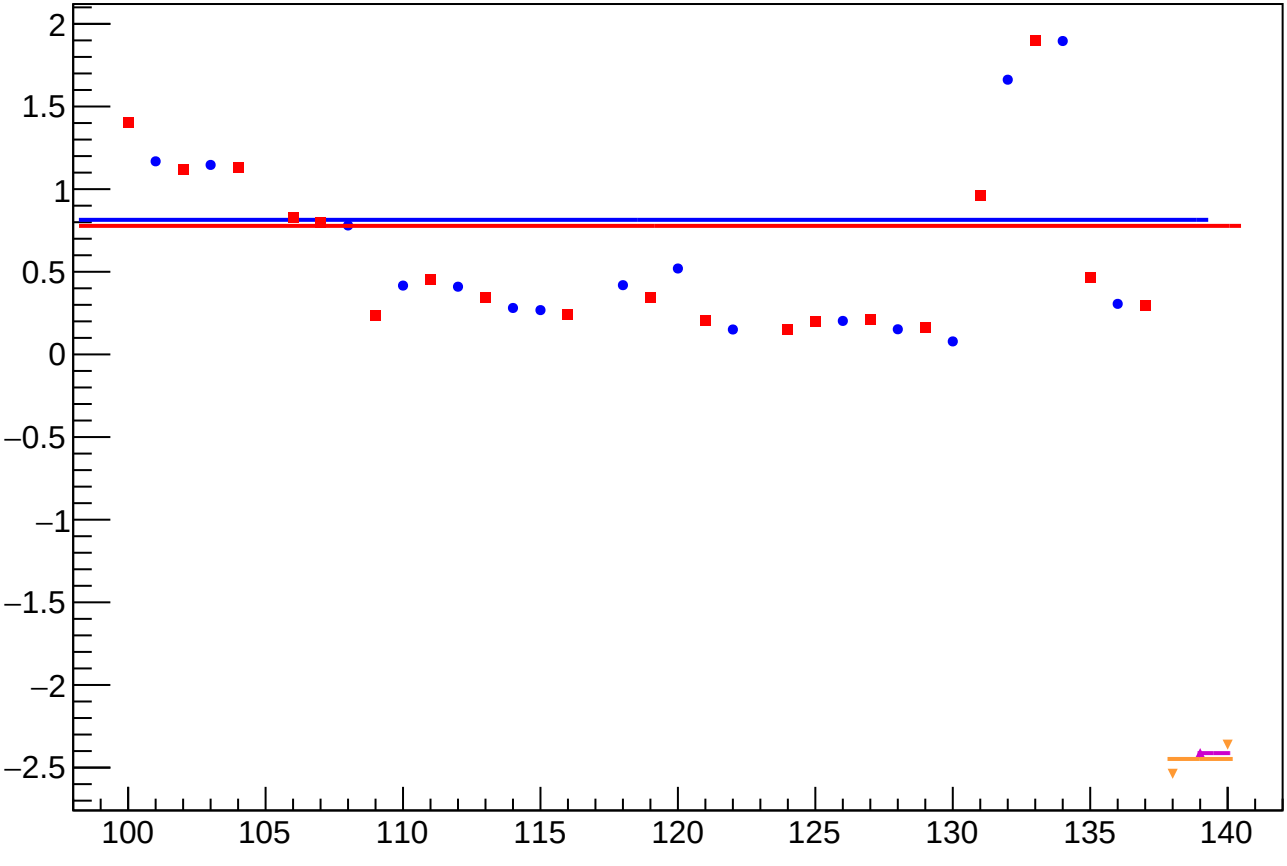
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:559946.1/16

Out: 0.004+/-0.000 χ^2/NDF:874366.4/20

All: 0.004+/-0.000 χ^2/NDF: 1434422.2/37

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -2.448+/-0.000 χ^2/NDF:193377084.0/1

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -2.412+/-0.000 χ^2/NDF:0.0/0

Left: -2.436+/-0.000 χ^2/NDF: 203810311.0/2

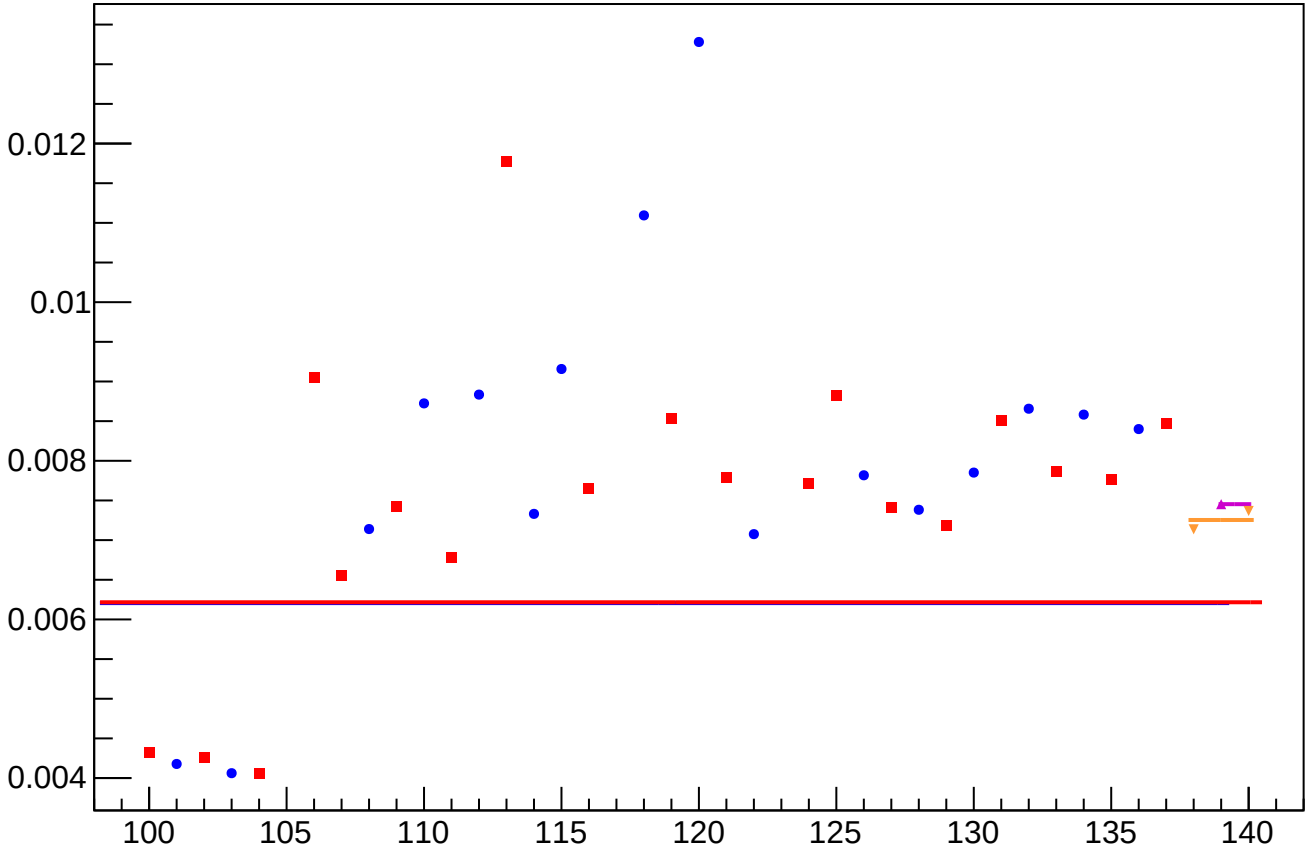
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.556+/-0.000 χ^2/NDF:155759069961.6/16

Out: 0.332+/-0.000 χ^2/NDF:258200645982.9/20

All: 0.436+/-0.000 χ^2/NDF: 418153825819.5

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:666.0/1

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:0.0/0

Left: 0.007+/-0.000 χ^2/NDF: 1330.9/2

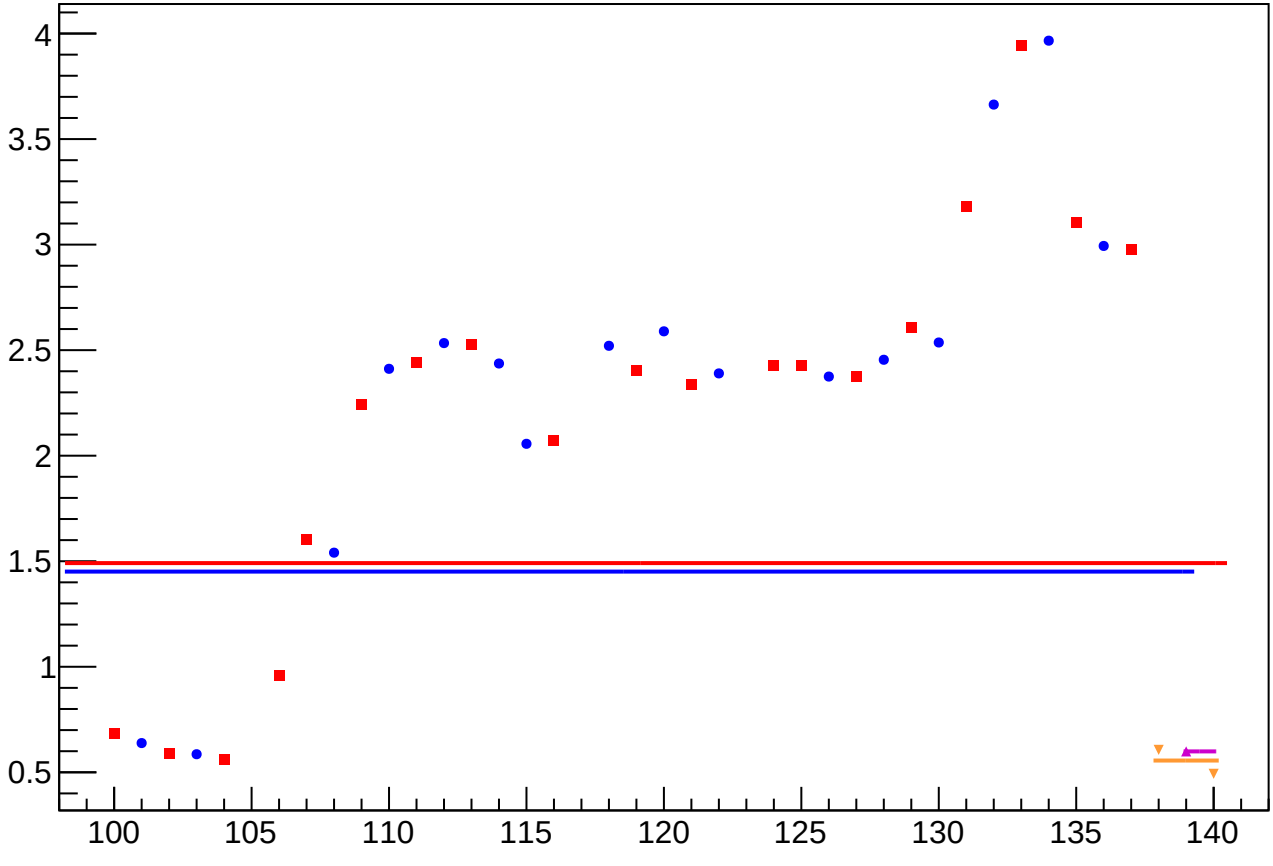
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1459854.3/16

Out: 0.006+/-0.000 χ^2/NDF:1208011.3/20

All: 0.006+/-0.000 χ^2/NDF: 2668350.0/37

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.556+/-0.000 χ^2/NDF:84018395.4/1

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 0.599+/-0.000 χ^2/NDF:0.0/0

Left: 0.571+/-0.000 χ^2/NDF: 101631032.1/2

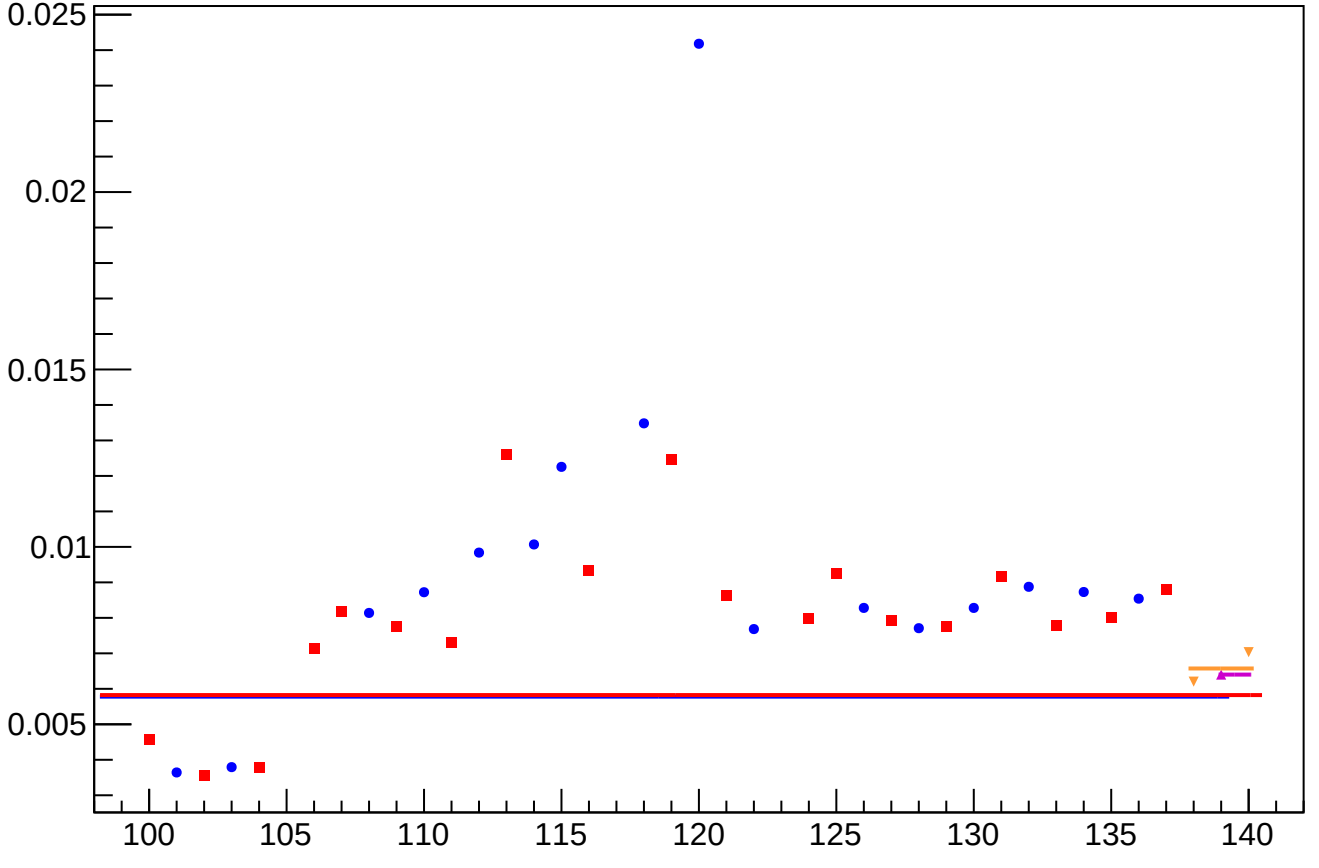
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.375+/-0.000 χ^2/NDF:179287597855.5/16

Out: 1.359+/-0.000 χ^2/NDF:206918428077.4/20

All: 1.367+/-0.000 χ^2/NDF: 386227937882.2

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:9015.9/1

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:0.0/0

Left: 0.007+/-0.000 χ^2/NDF: 9573.2/2

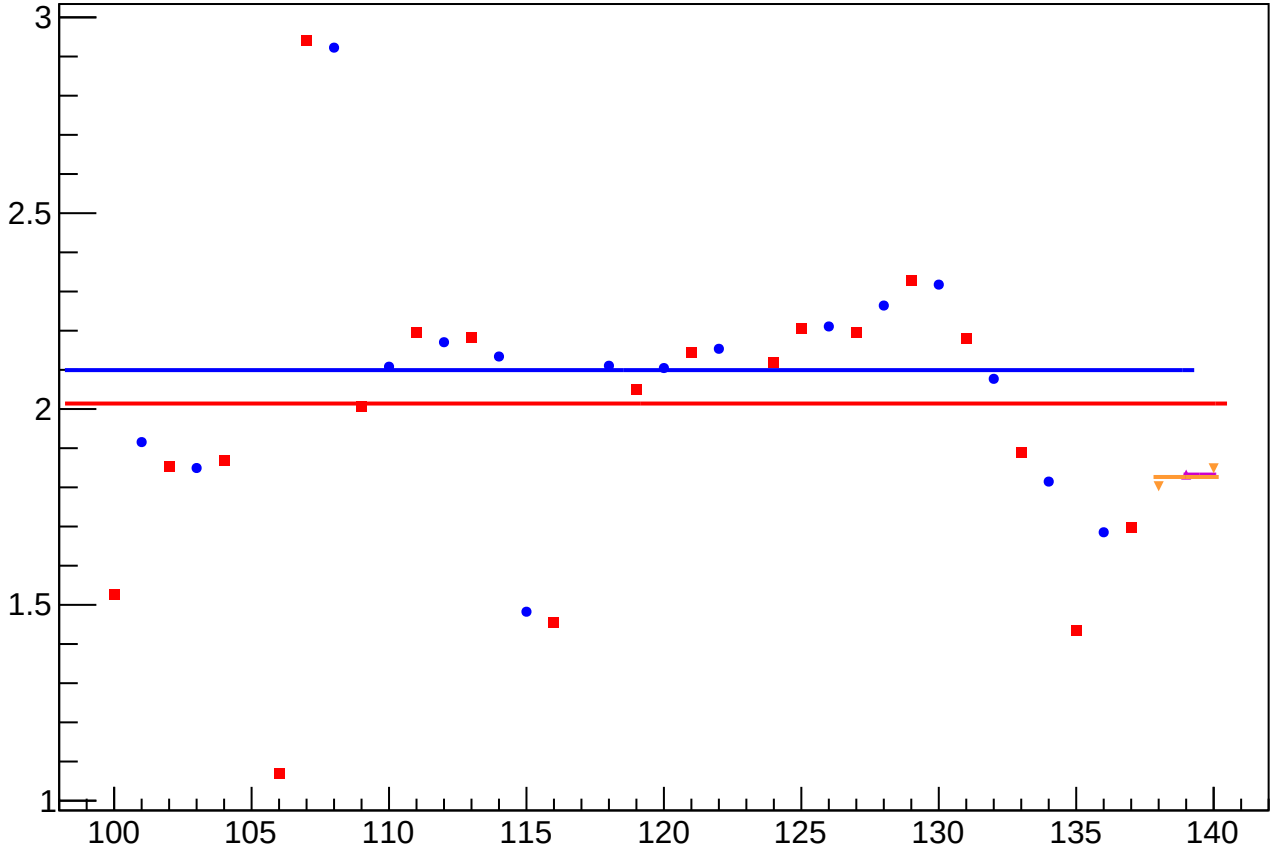
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2224129.0/16

Out: 0.006+/-0.000 χ^2/NDF:1990287.2/20

All: 0.006+/-0.000 χ^2/NDF: 4215956.8/37

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 1.827+/-0.000 χ^2/NDF:9527489.8/1

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 1.833+/-0.000 χ^2/NDF:0.0/0

Left: 1.829+/-0.000 χ^2/NDF: 9759399.1/2

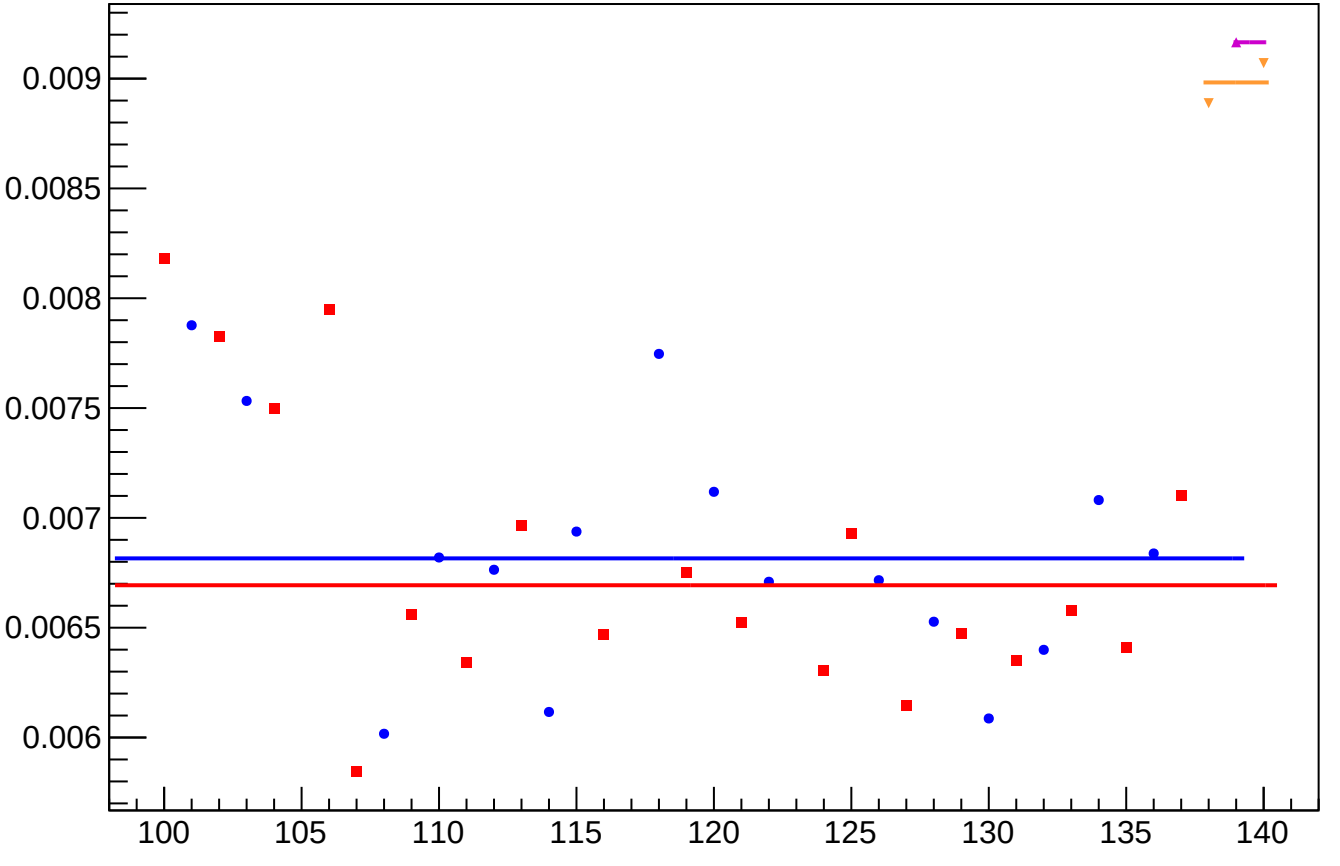
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.083+/-0.000 χ^2/NDF:14555449349.6/16

Out: 1.995+/-0.000 χ^2/NDF:20199096182.8/20

All: 2.036+/-0.000 χ^2/NDF: 35406178856.7/3

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.009+/-0.000 χ^2/NDF:302.4/1

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/0

Left: 0.009+/-0.000 χ^2/NDF: 716.1/2

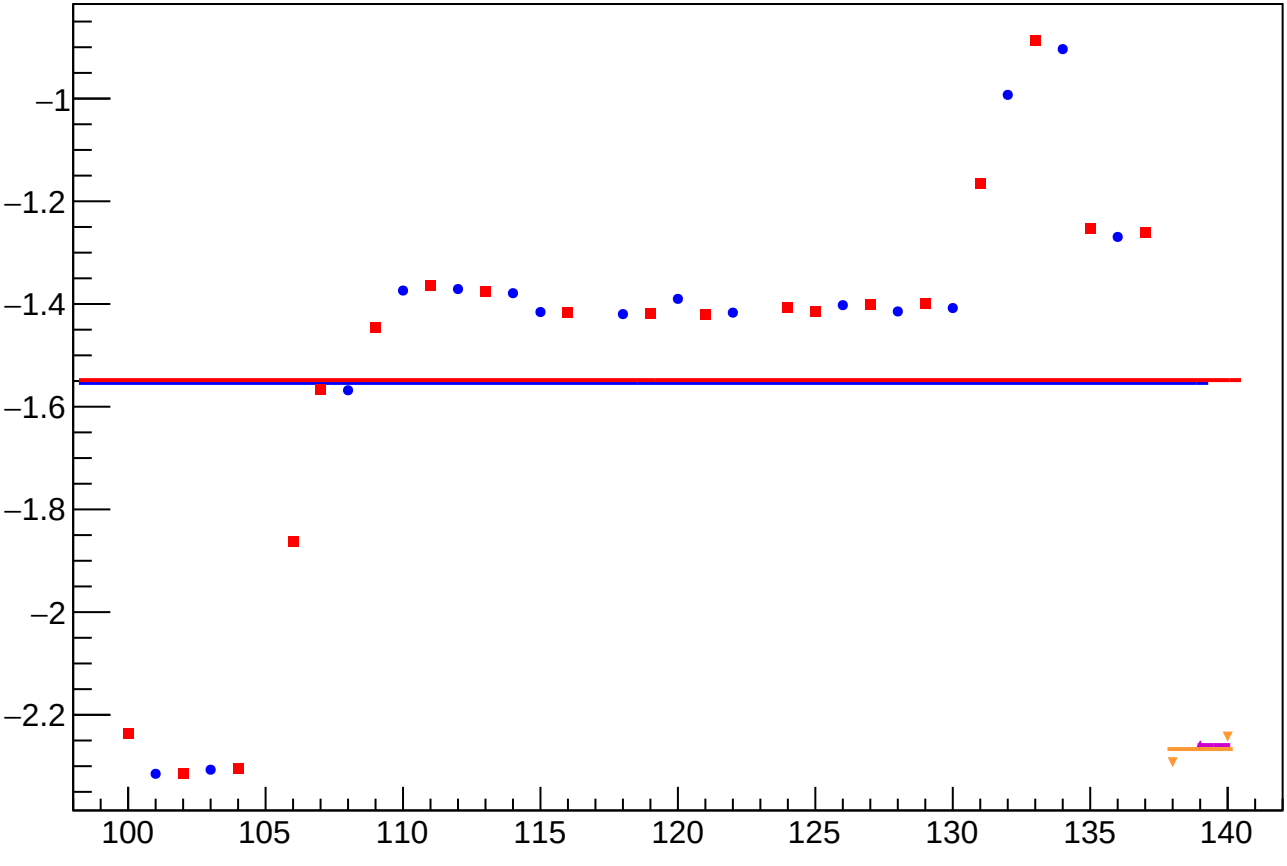
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:184109.6/16

Out: 0.007+/-0.000 χ^2/NDF:259217.2/20

All: 0.007+/-0.000 χ^2/NDF: 443465.7/37

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.267+/-0.000 χ^2/NDF:89914771.1/1

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -2.259+/-0.000 χ^2/NDF:0.0/0

Left: -2.264+/-0.000 χ^2/NDF: 92735557.1/2

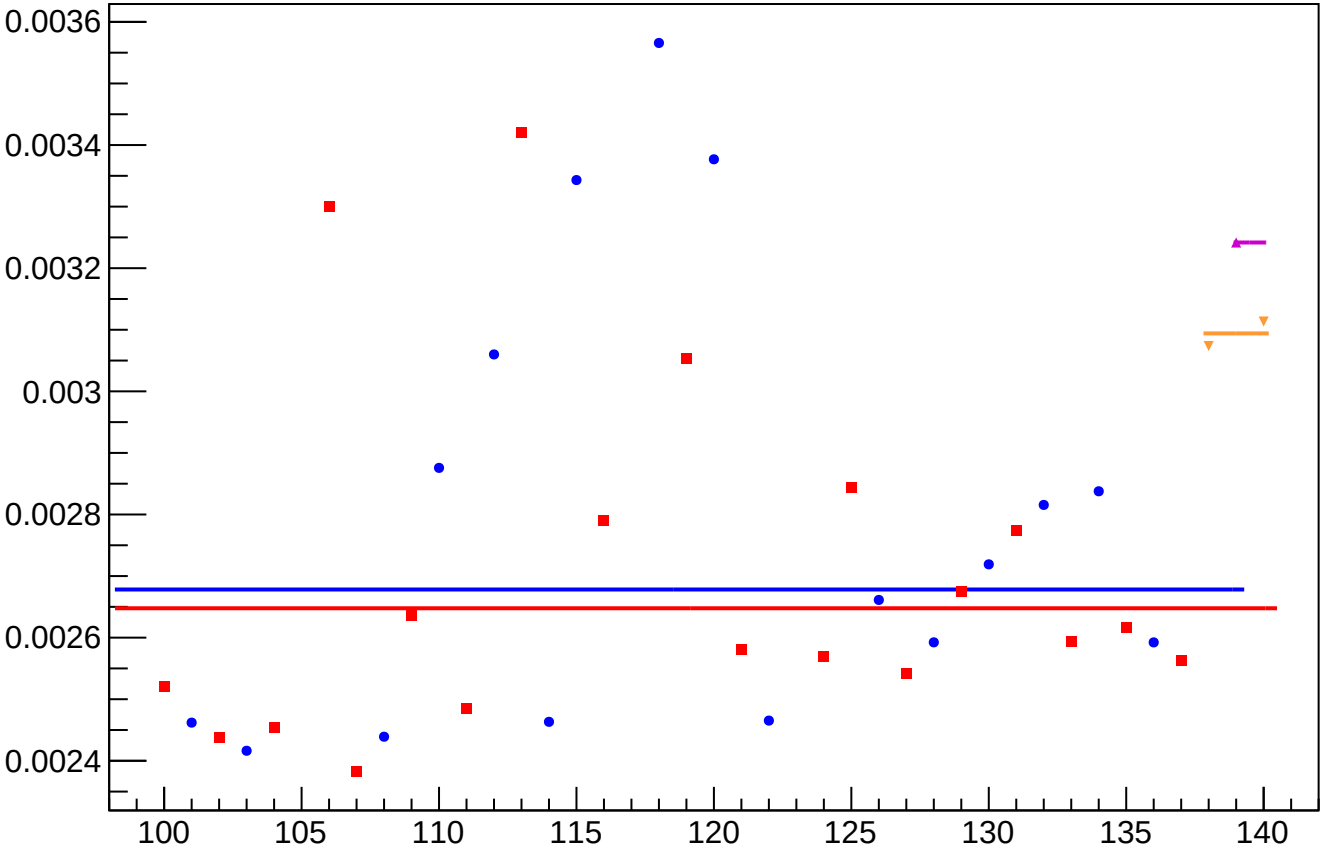
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.603+/-0.000 χ^2/NDF:207747646514.1/16

Out: -1.639+/-0.000 χ^2/NDF:239878667831.9/20

All: -1.622+/-0.000 χ^2/NDF: 448308634585.4

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:113.8/1

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 2176.1/2

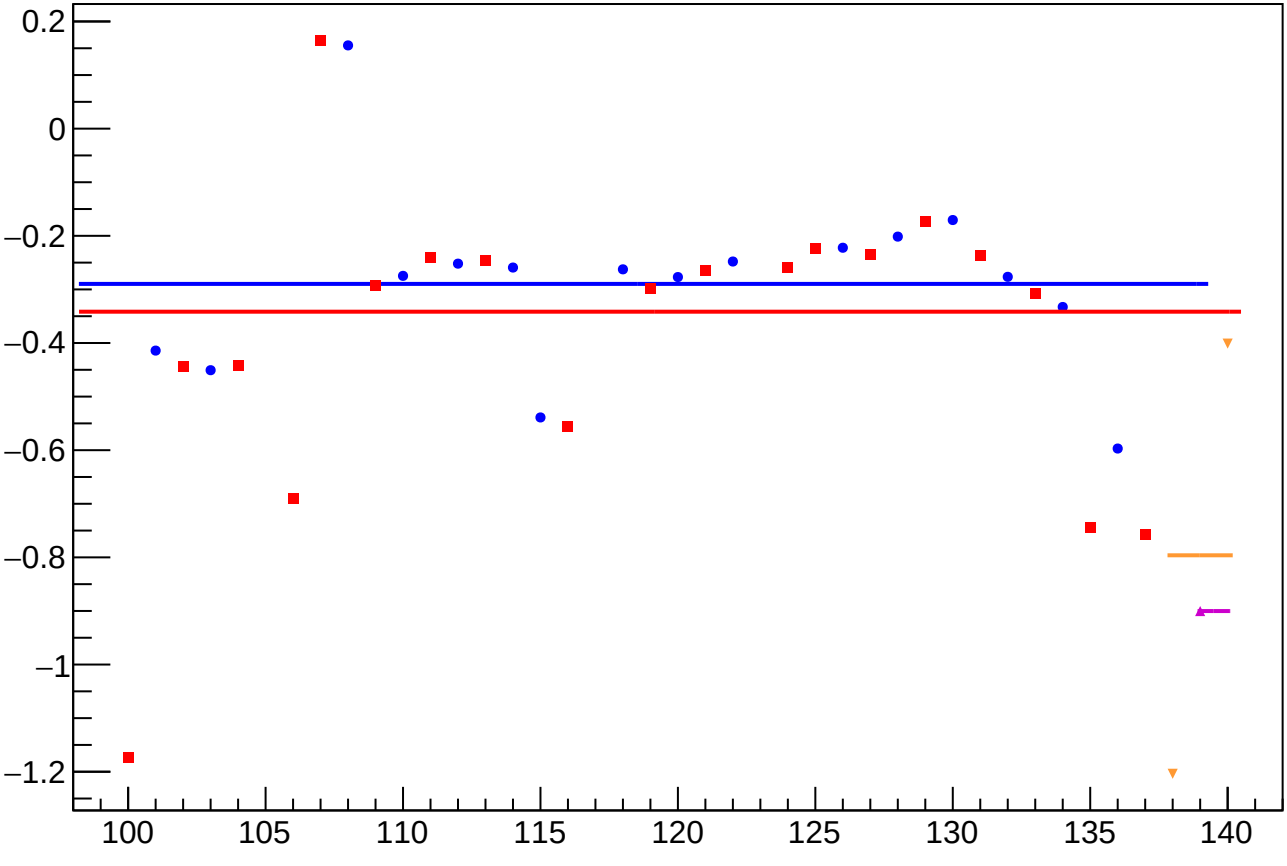
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:199470.3/16

Out: 0.003+/-0.000 χ^2/NDF:166482.6/20

All: 0.003+/-0.000 χ^2/NDF: 366154.0/37

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.796+/-0.000 χ^2/NDF:1032607561.7/1

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.900+/-0.000 χ^2/NDF:0.0/0

Left: -0.833+/-0.000 χ^2/NDF: 1057149987.8/2

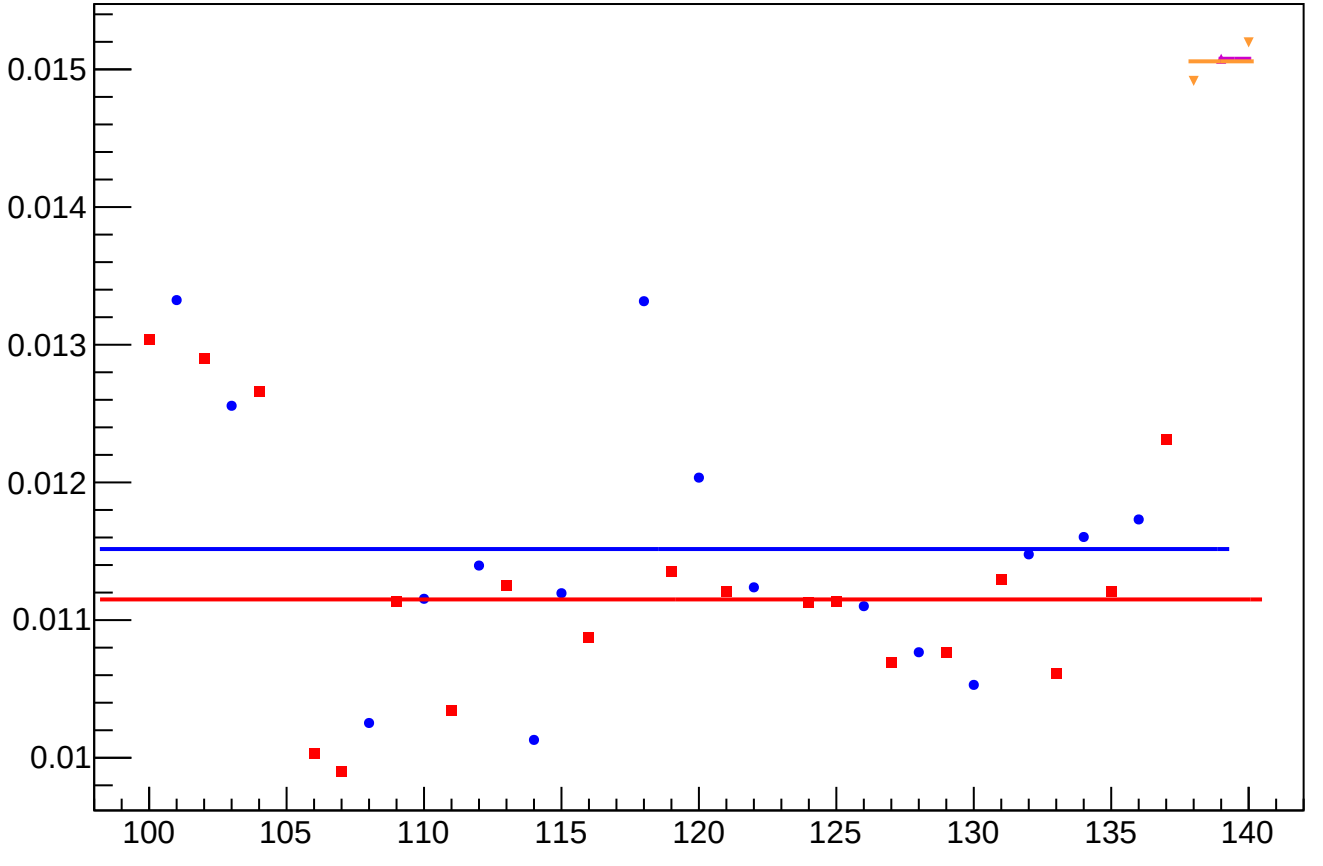
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.328+/-0.000 χ^2/NDF:2870101127.5/16

Out: -0.387+/-0.000 χ^2/NDF:4835582786.5/20

All: -0.360+/-0.000 χ^2/NDF: 7807587593.4/3

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.015+/-0.000 χ^2/NDF:251.0/1

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.015+/-0.000 χ^2/NDF:0.0/0

Left: 0.015+/-0.000 χ^2/NDF: 252.6/2

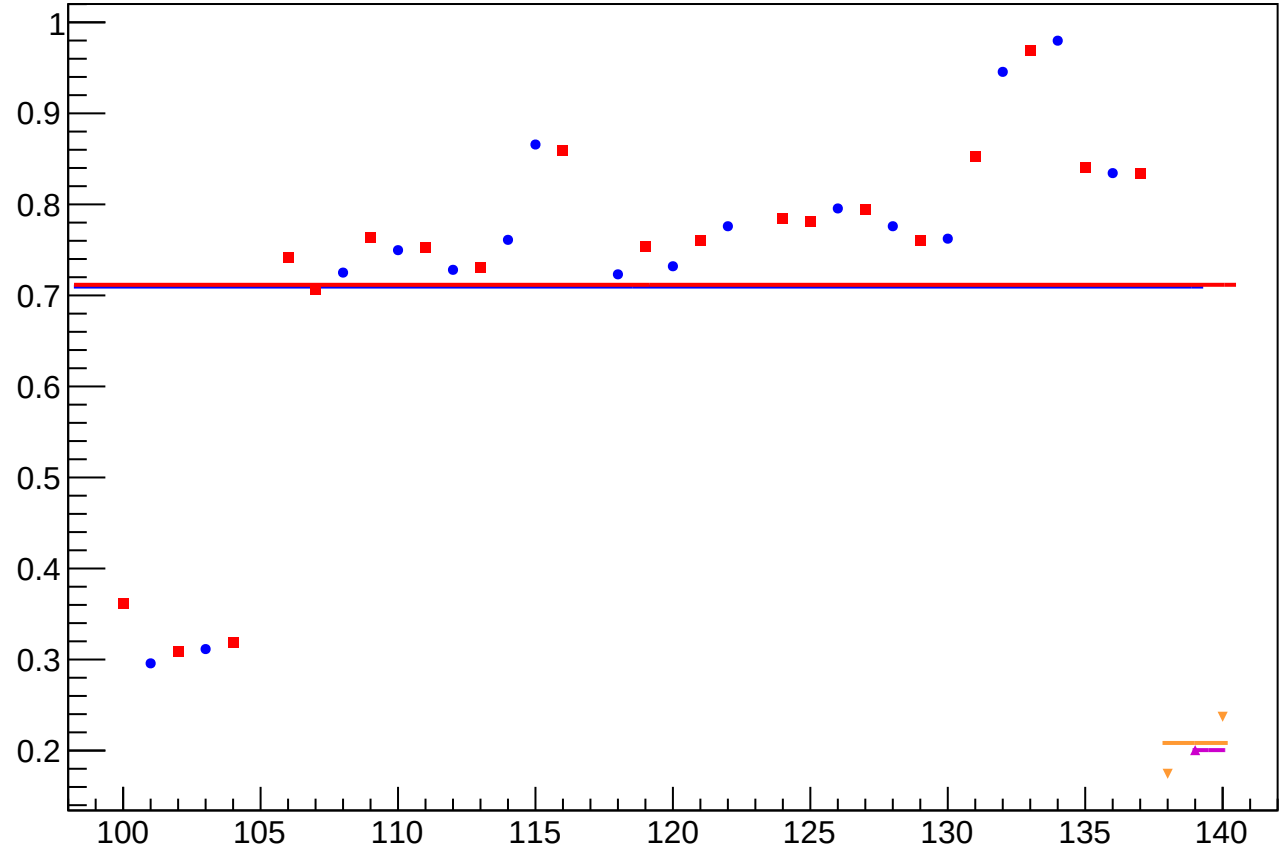
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:167641.3/16

Out: 0.012+/-0.000 χ^2/NDF:247288.1/20

All: 0.012+/-0.000 χ^2/NDF: 417409.2/37

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.208+/-0.000 χ^2/NDF:377943254.8/1

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.200+/-0.000 χ^2/NDF:0.0/0

Left: 0.206+/-0.000 χ^2/NDF: 386229457.9/2

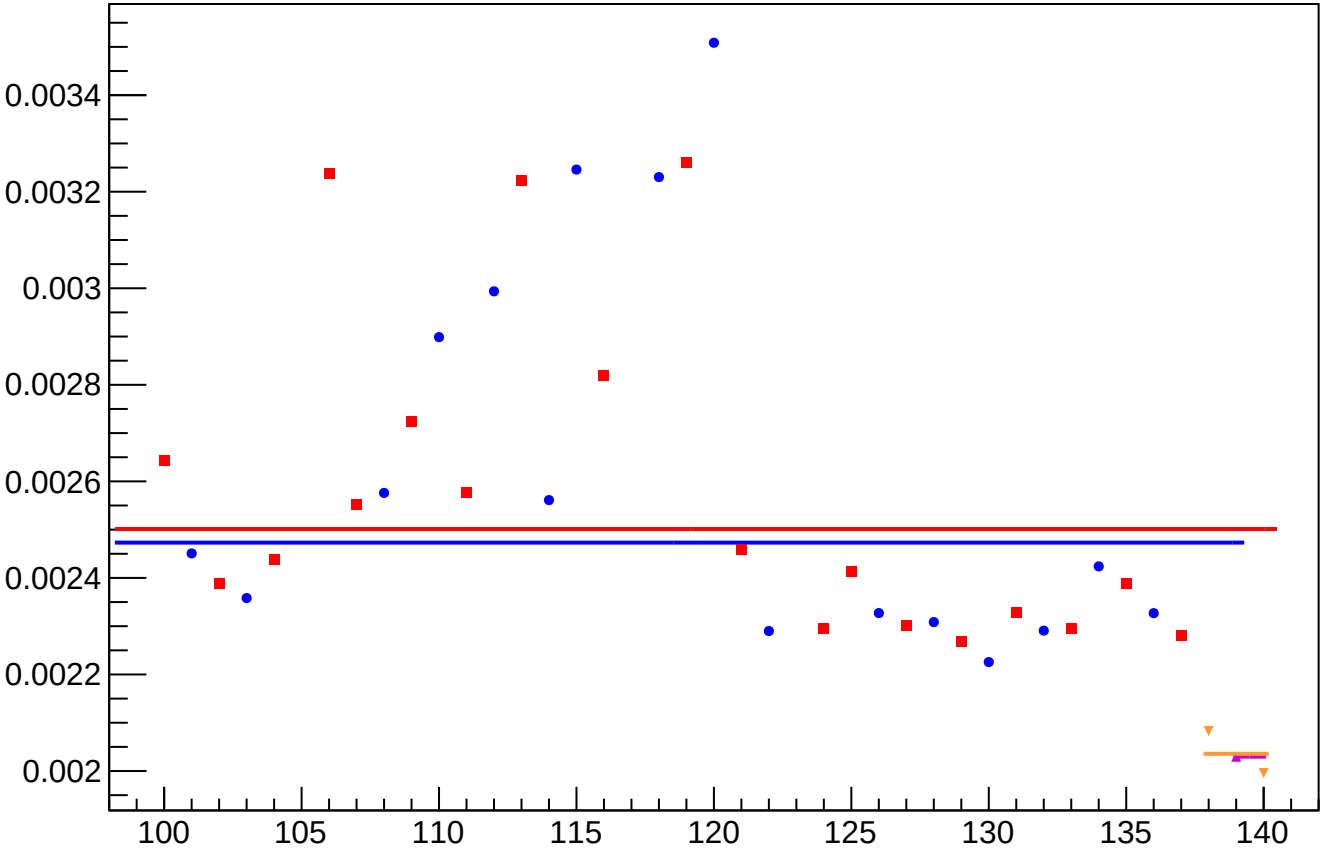
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.631+/-0.000 χ^2/NDF:93729456722.6/16

Out: 0.583+/-0.000 χ^2/NDF:117592324415.7/20

All: 0.605+/-0.000 χ^2/NDF: 212959140406.3

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:1456.4/1

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:0.0/0

Left: 0.002+/-0.000 χ^2/NDF: 1466.1/2

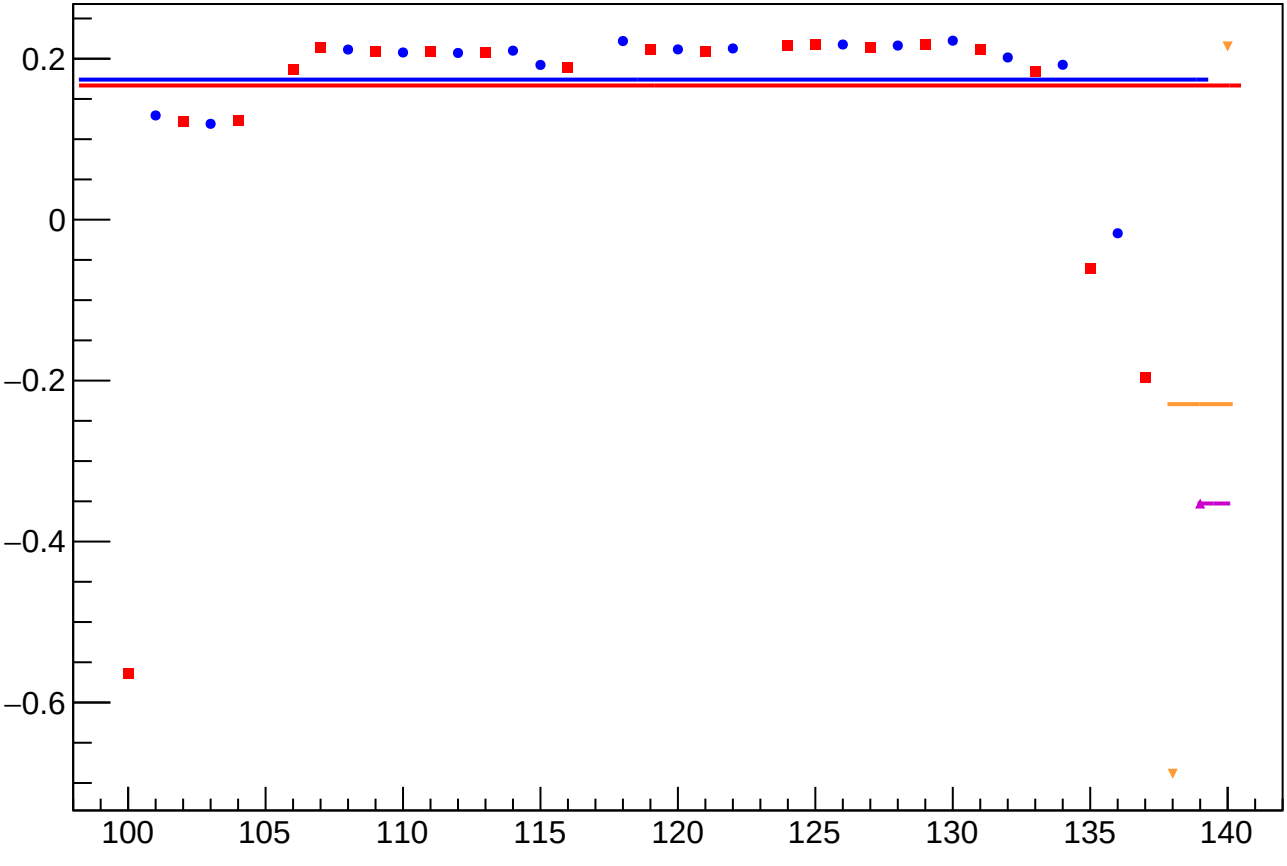
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:275996.6/16

Out: 0.002+/-0.000 χ^2/NDF:303914.9/20

All: 0.002+/-0.000 χ^2/NDF: 580623.2/37

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.229+/-0.000 χ^2/NDF:1615710988.7/1

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: -0.353+/-0.000 χ^2/NDF:0.0/0

Left: -0.273+/-0.000 χ^2/NDF: 1658402291.5/2

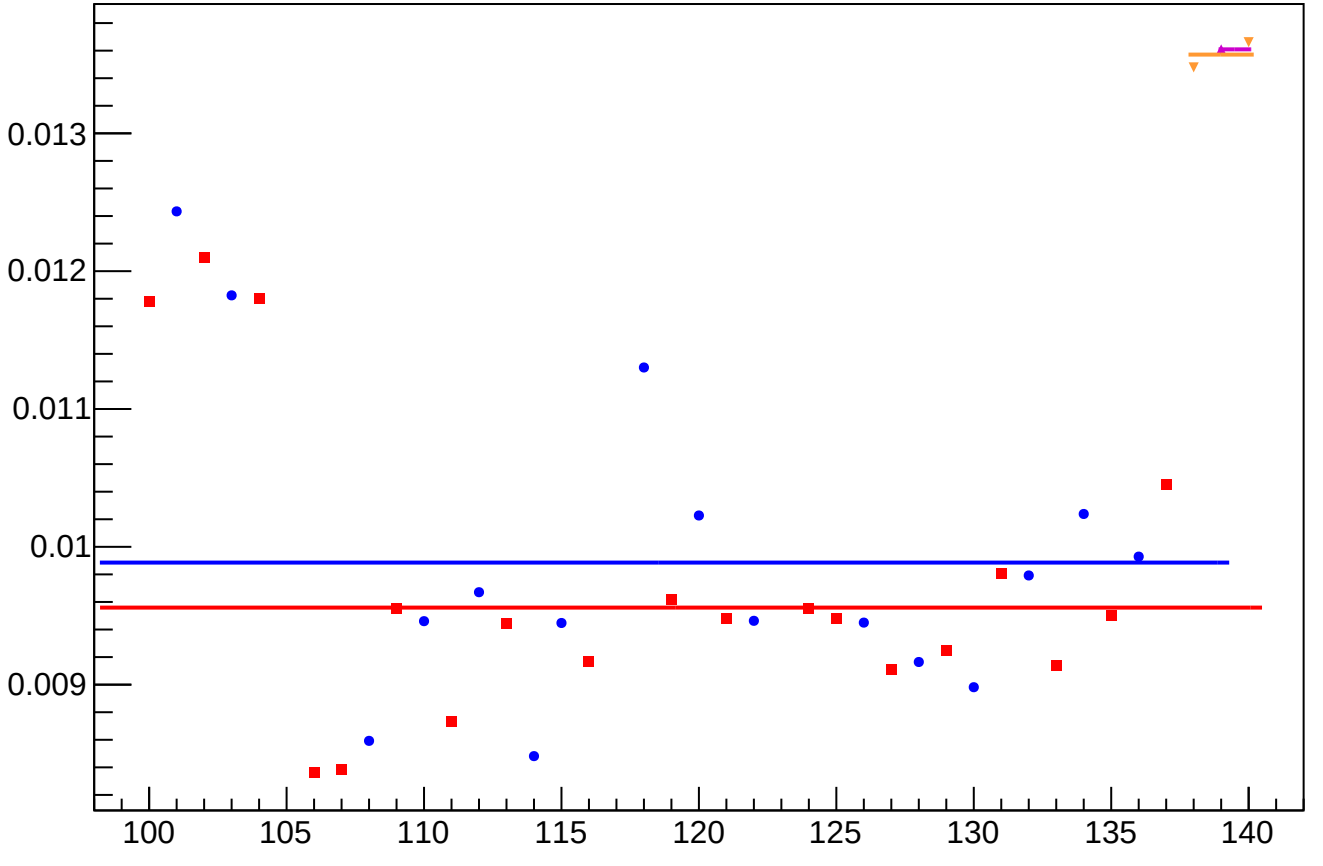
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.143+/-0.000 χ^2/NDF:1534879684.2/16

Out: 0.131+/-0.000 χ^2/NDF:3637535854.8/20

All: 0.137+/-0.000 χ^2/NDF: 5178995648.0/37

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.014+/-0.000 χ^2/NDF:132.1/1

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.014+/-0.000 χ^2/NDF:0.0/0

Left: 0.014+/-0.000 χ^2/NDF: 140.2/2

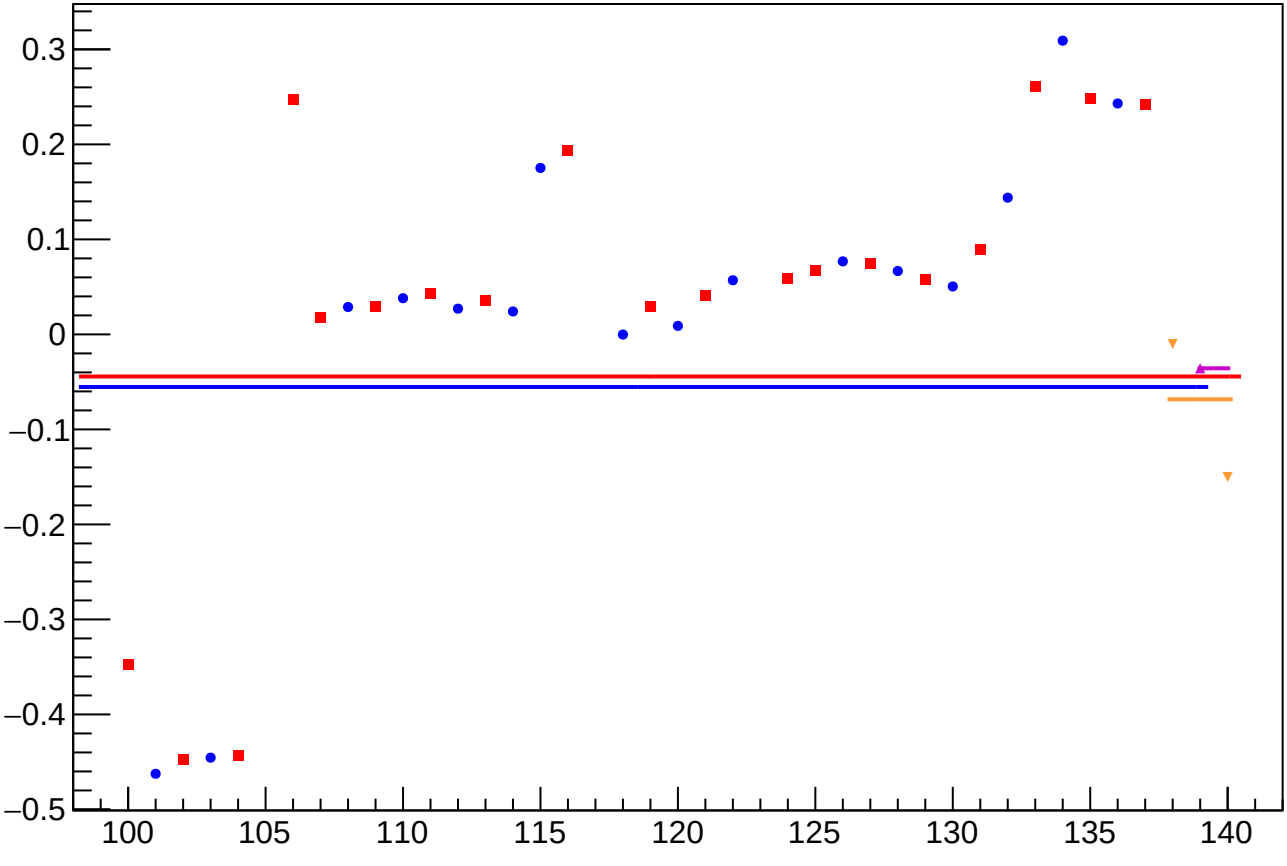
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.010+/-0.000 χ^2/NDF:261788.3/16

Out: 0.010+/-0.000 χ^2/NDF:367879.1/20

All: 0.010+/-0.000 χ^2/NDF: 632179.9/37

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.068+/-0.000 χ^2/NDF:773709891.9/1

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.036+/-0.000 χ^2/NDF:0.0/0

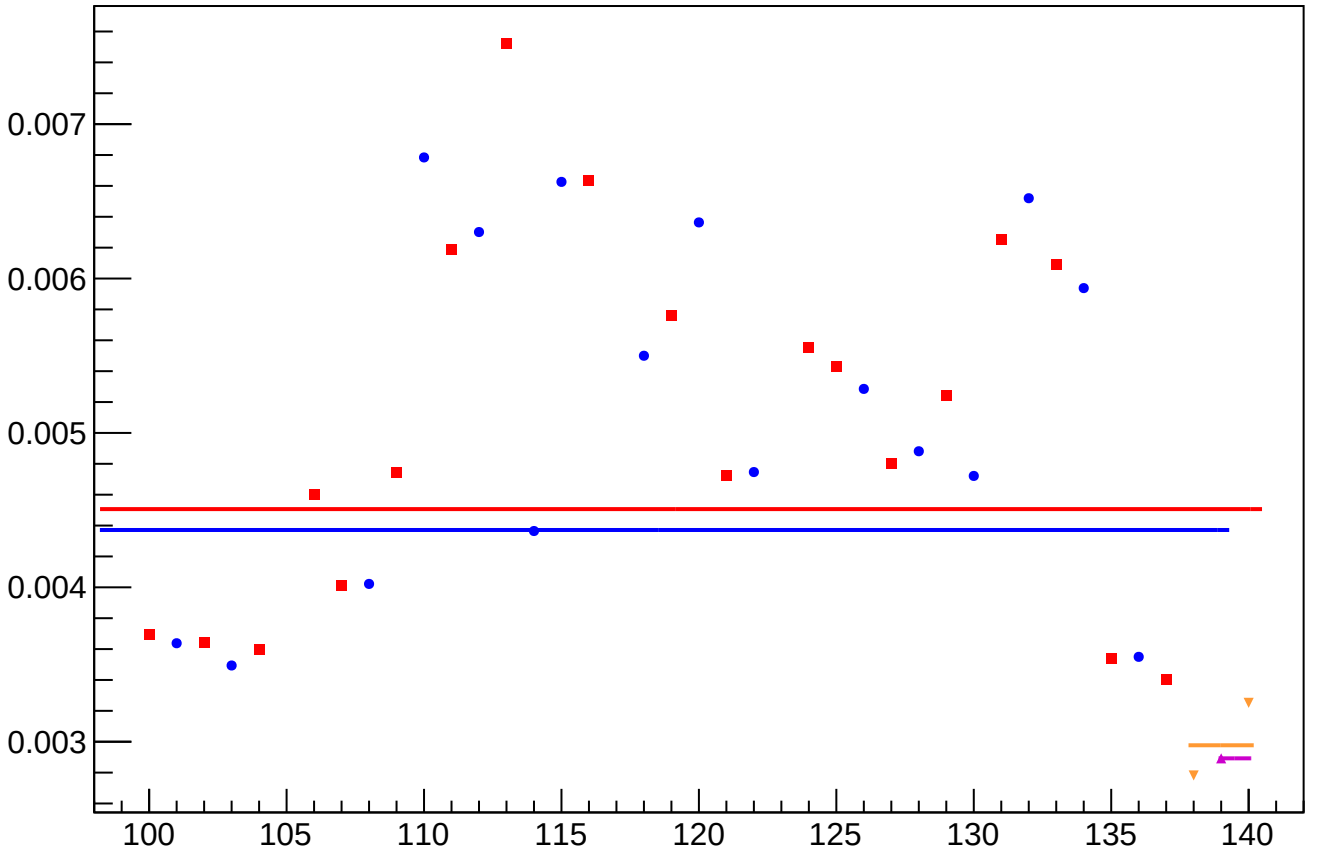
Left: -0.056+/-0.000 χ^2/NDF: 838284235.8/2

Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.051+/-0.000 χ^2/NDF:24110683029.4/16

Out: -0.052+/-0.000 χ^2/NDF:22971552530.6/20

All: -0.052+/-0.000 χ^2/NDF: 47082884261.7/



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:17455.5/1

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 18326.1/2

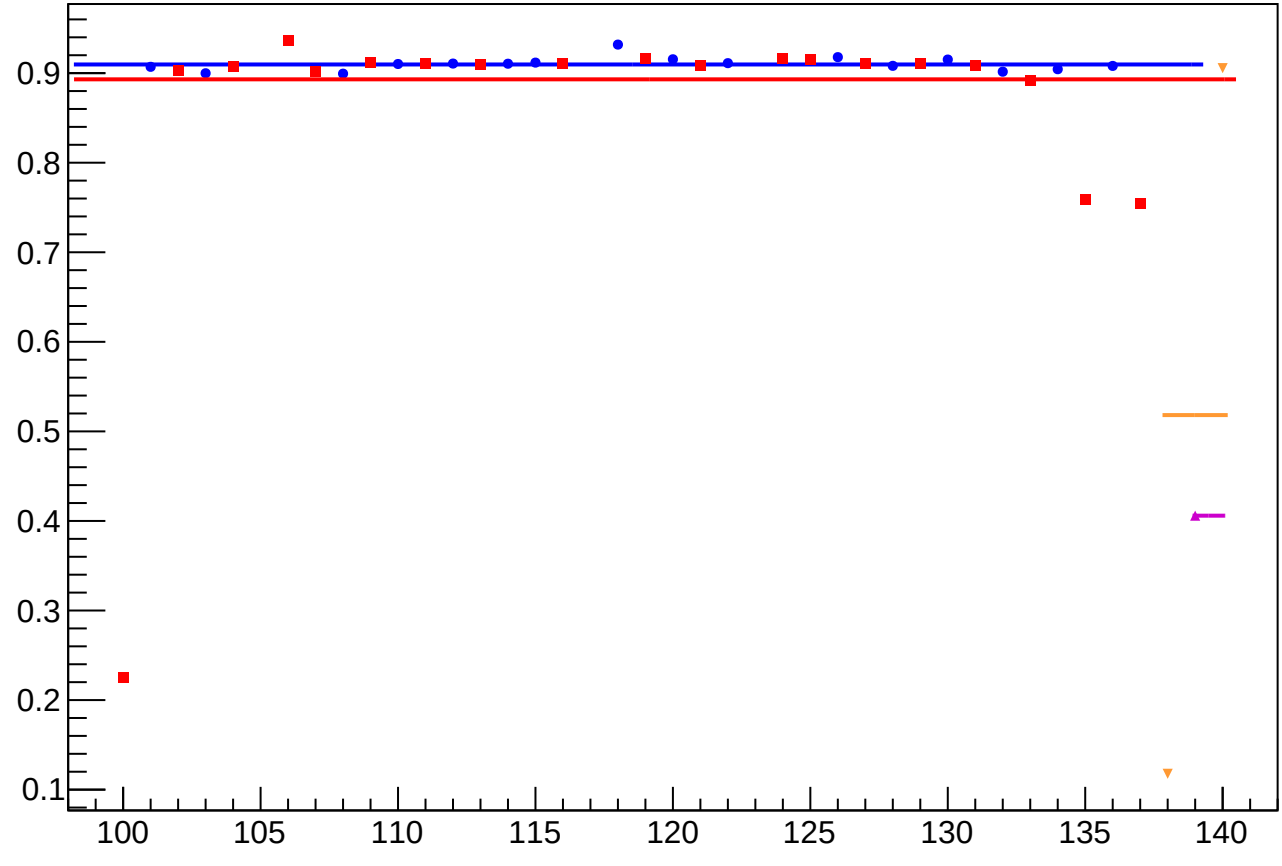
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.004+/-0.000 χ^2/NDF:986113.9/16

Out: 0.004+/-0.000 χ^2/NDF:1223388.6/20

All: 0.004+/-0.000 χ^2/NDF: 2210240.7/37

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.518+/-0.000 χ^2/NDF:1335231689.2/1

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.406+/-0.000 χ^2/NDF:0.0/0

Left: 0.478+/-0.000 χ^2/NDF: 1373618985.6/2

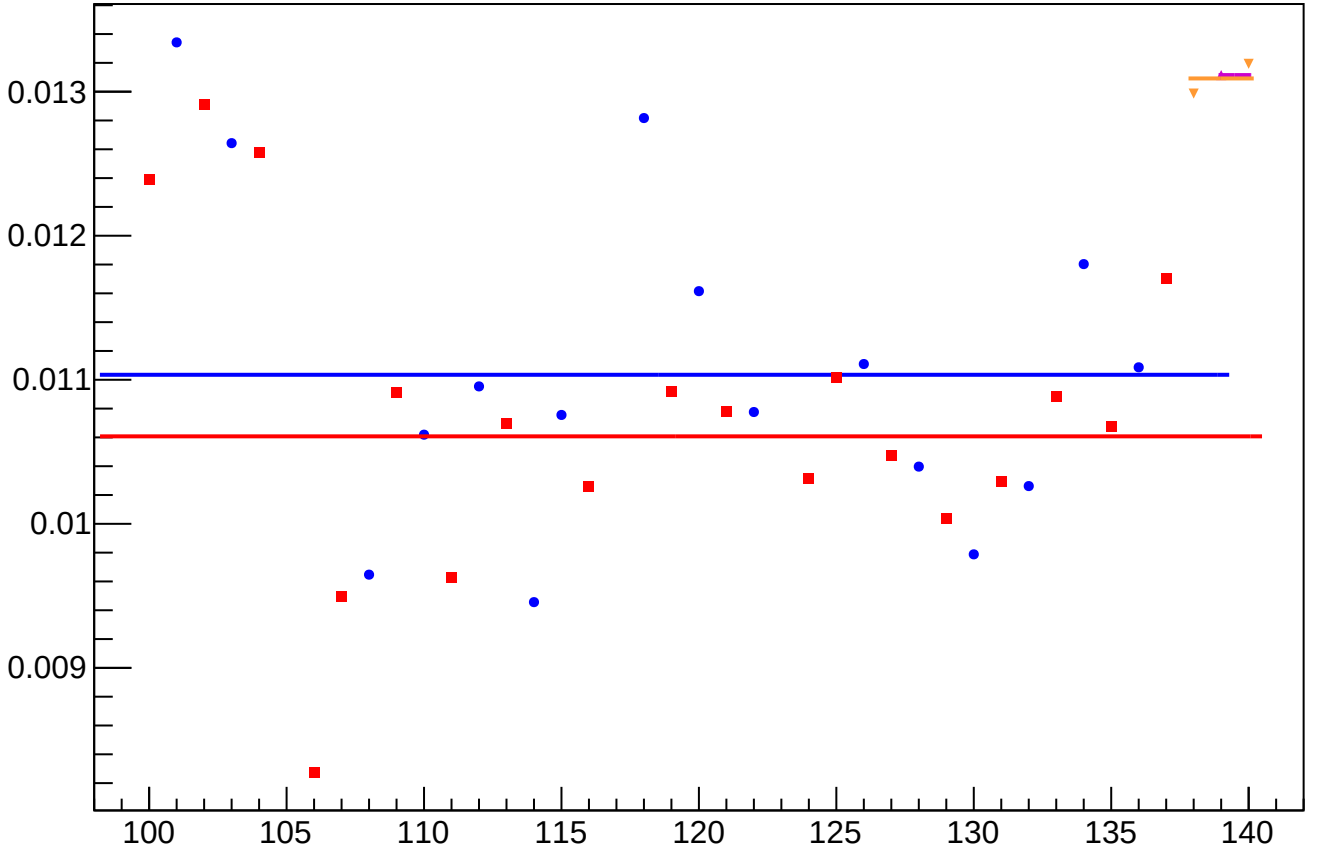
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.871+/-0.000 χ^2/NDF:1105941435.8/16

Out: 0.849+/-0.000 χ^2/NDF:2729386085.6/20

All: 0.859+/-0.000 χ^2/NDF: 3851682207.9/37

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.013+/-0.000 χ^2/NDF:183.6/1

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.013+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.000 χ^2/NDF: 186.9/2

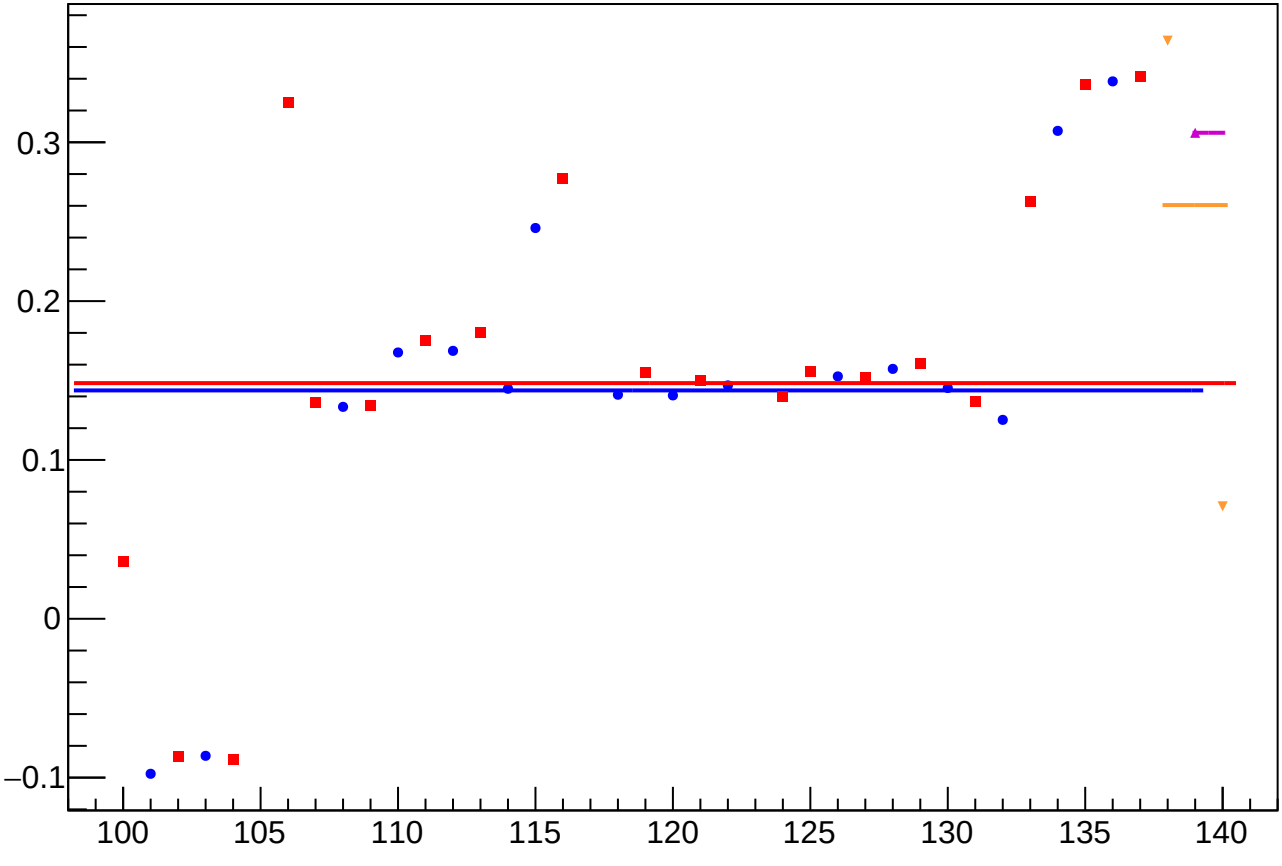
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:167973.9/16

Out: 0.011+/-0.000 χ^2/NDF:237796.1/20

All: 0.011+/-0.000 χ^2/NDF: 411479.6/37

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.260+/-0.000 χ^2/NDF:2295734735.7/1

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.306+/-0.000 χ^2/NDF:0.0/0

Left: 0.277+/-0.000 χ^2/NDF: 2383800582.2/2

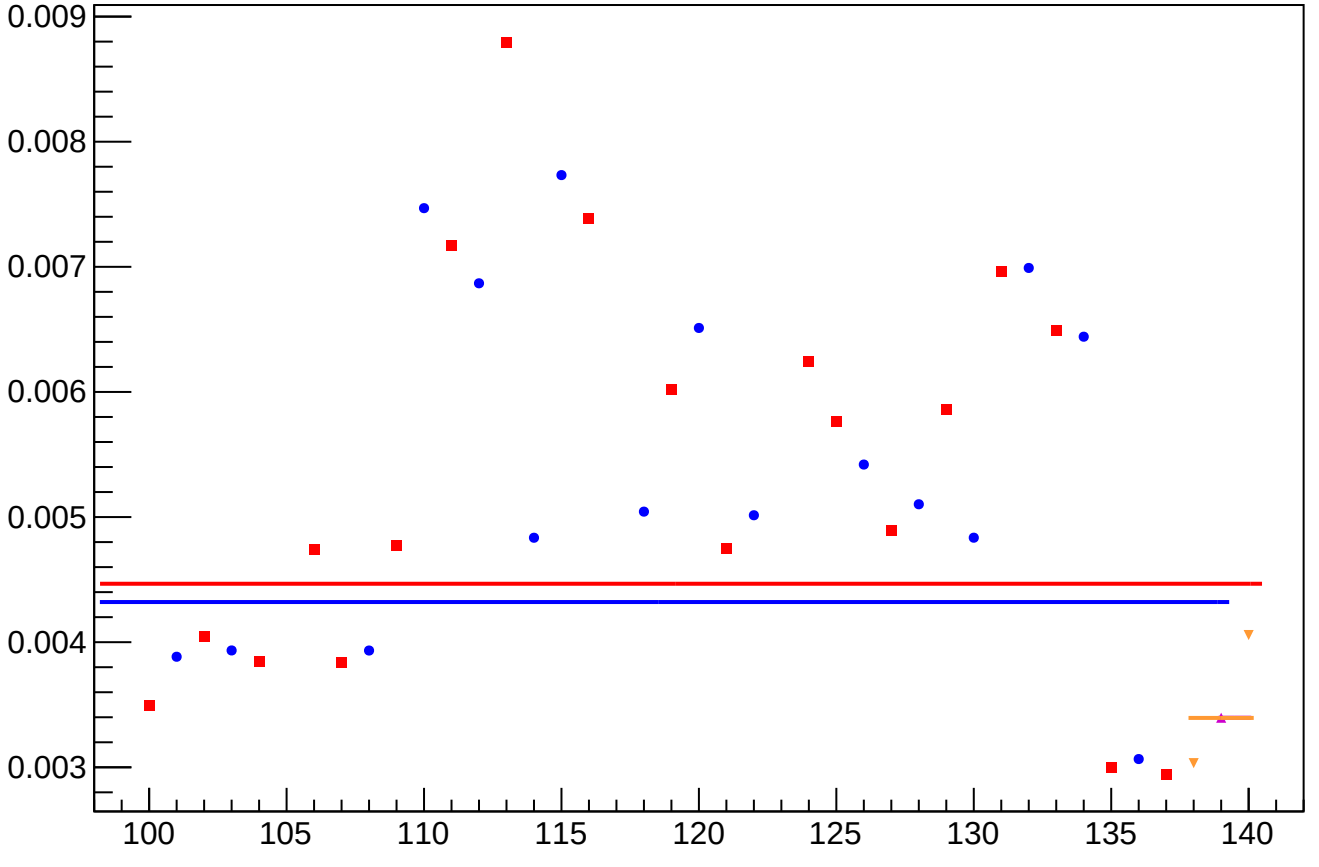
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.173+/-0.000 χ^2/NDF:9310015187.0/16

Out: 0.180+/-0.000 χ^2/NDF:10479010745.5/20

All: 0.177+/-0.000 χ^2/NDF: 19799294432.0/3

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:56001.1/1

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

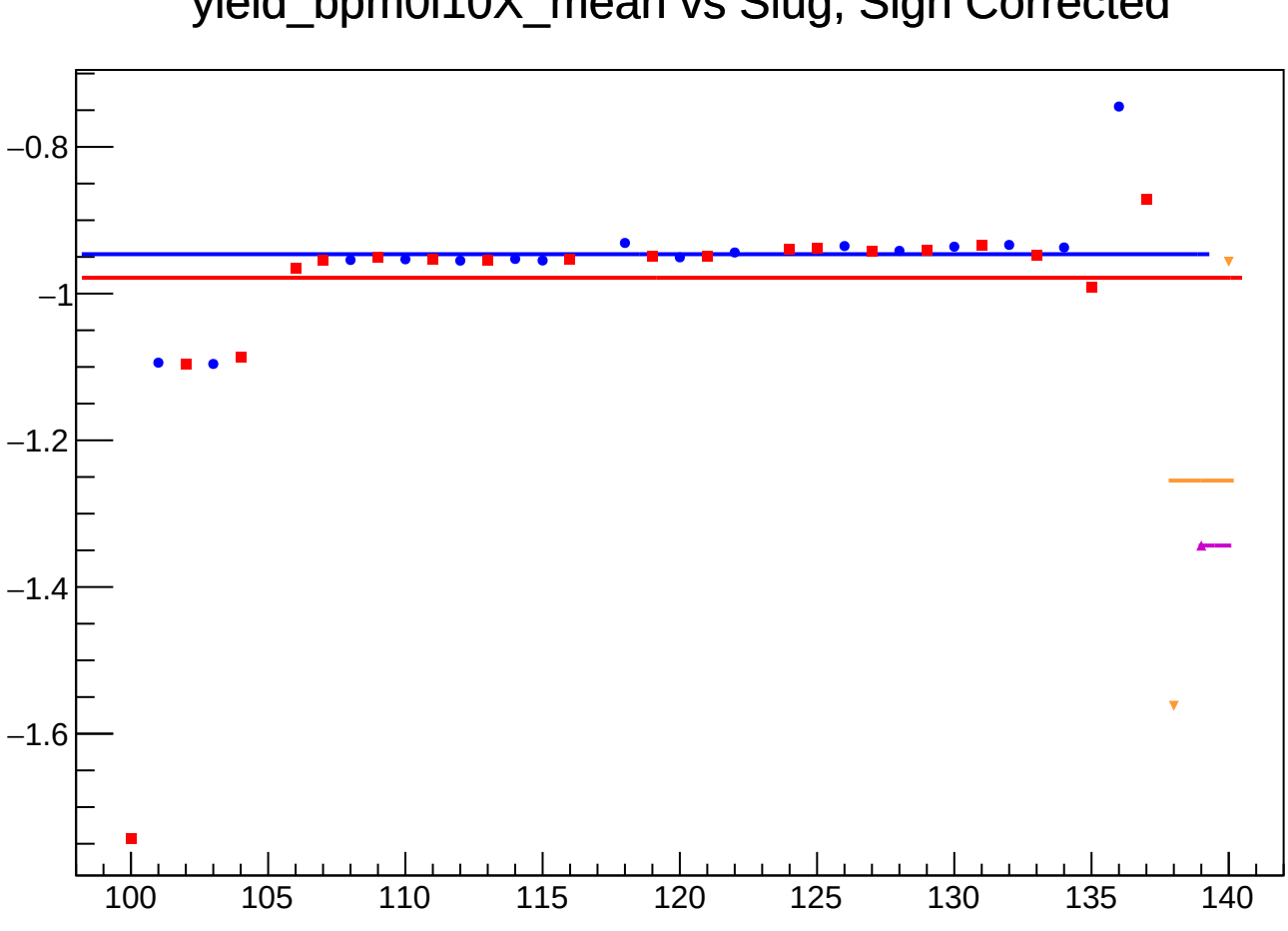
Left: 0.003+/-0.000 χ^2/NDF: 56001.3/2

Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:972075.9/16

Out: 0.004+/-0.000 χ^2/NDF:1334816.3/20

All: 0.004+/-0.000 χ^2/NDF: 2306922.8/37



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.255+/-0.000 χ^2/NDF:1014469986.0/1

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.343+/-0.000 χ^2/NDF:0.0/0

Left: -1.286+/-0.000 χ^2/NDF: 1045011416.8/2

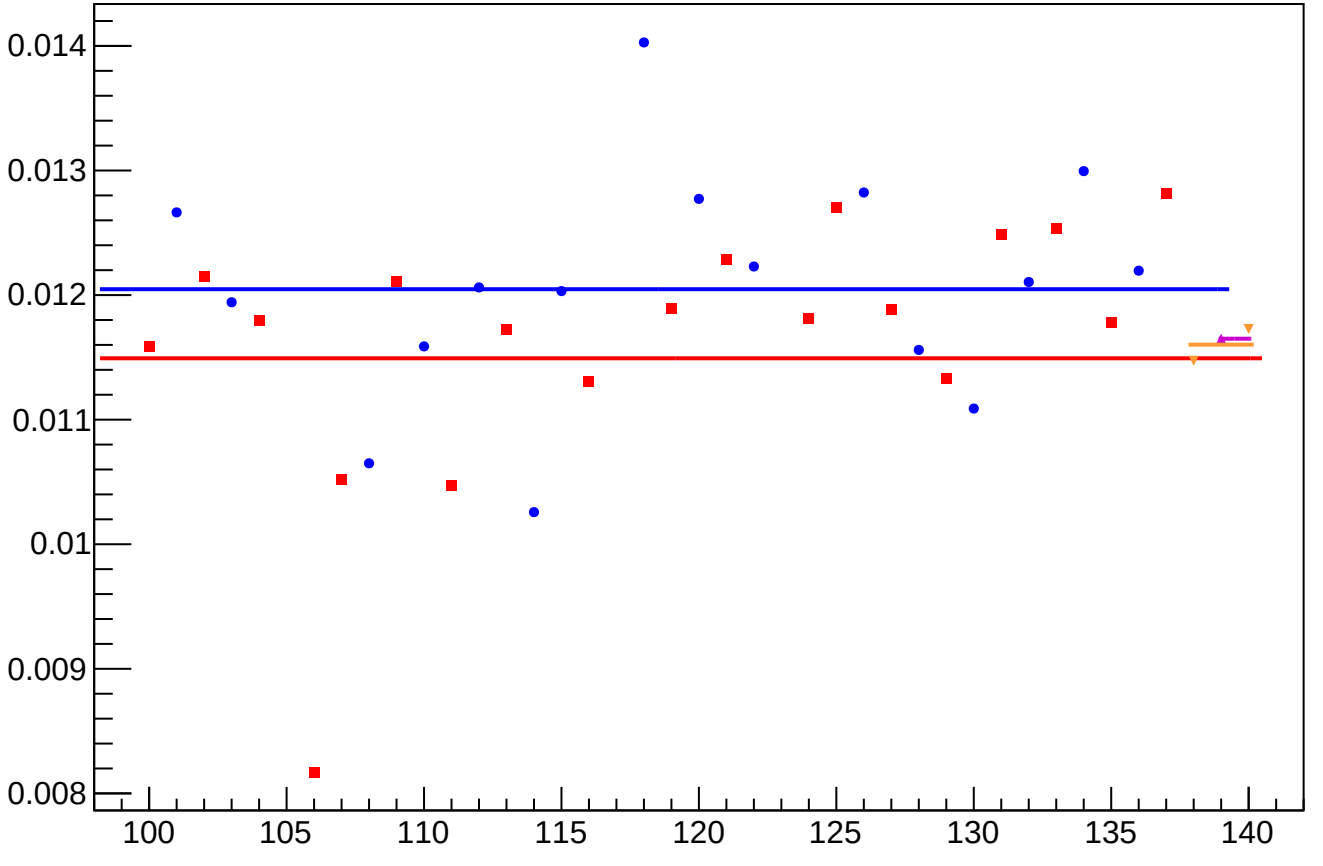
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -0.991+/-0.000 χ^2/NDF:1244852142.5/16

Out: -1.025+/-0.000 χ^2/NDF:2178345424.5/20

All: -1.010+/-0.000 χ^2/NDF: 3457809236.4/3

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:358.7/1

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.012+/-0.000 χ^2/NDF:0.0/0

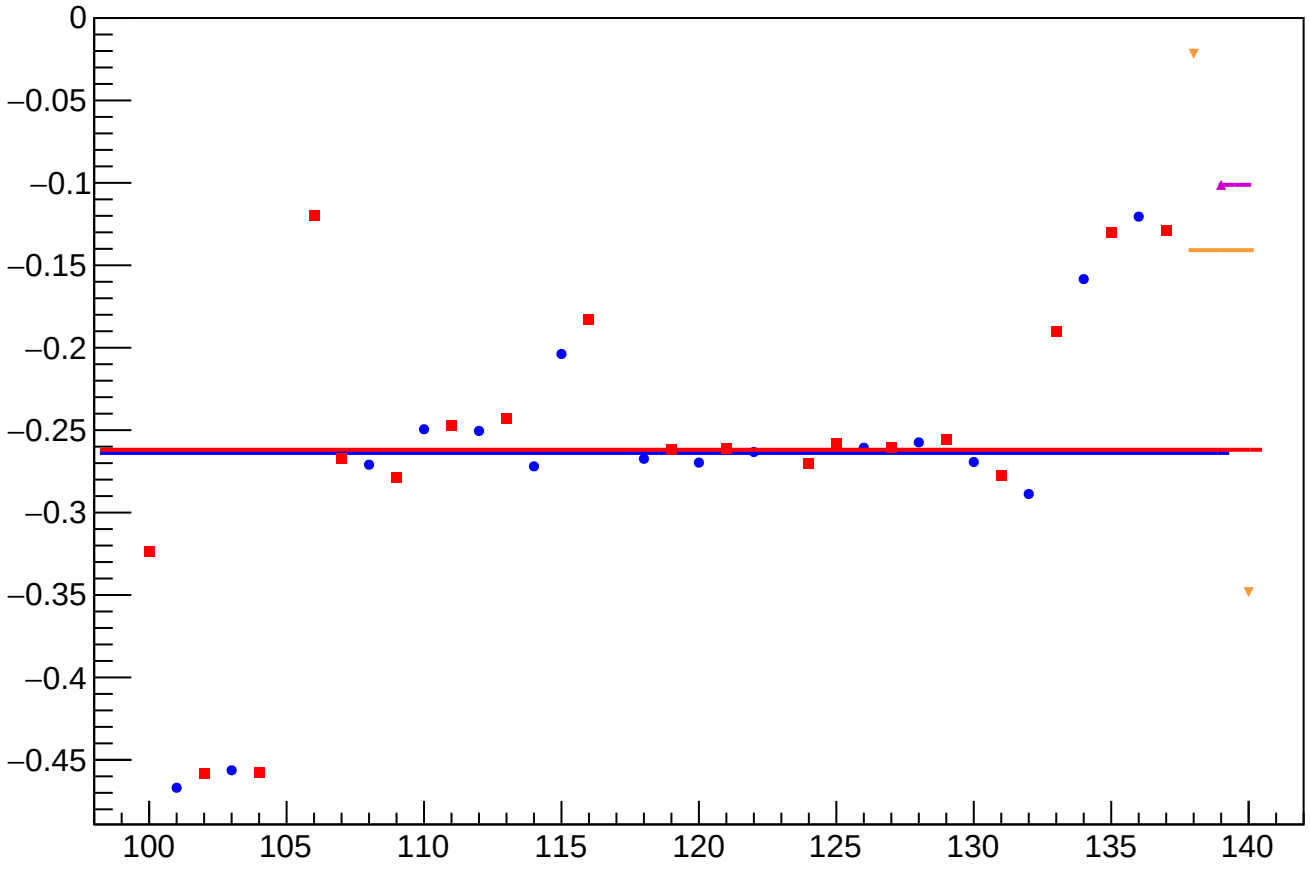
Left: 0.012+/-0.000 χ^2/NDF: 376.4/2

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.012+/-0.000 χ^2/NDF:64158.1/16

Out: 0.012+/-0.000 χ^2/NDF:151888.4/20

All: 0.012+/-0.000 χ^2/NDF: 230215.5/37



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.141+/-0.000 χ^2/NDF:2124275935.8/1

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.101+/-0.000 χ^2/NDF:0.0/0

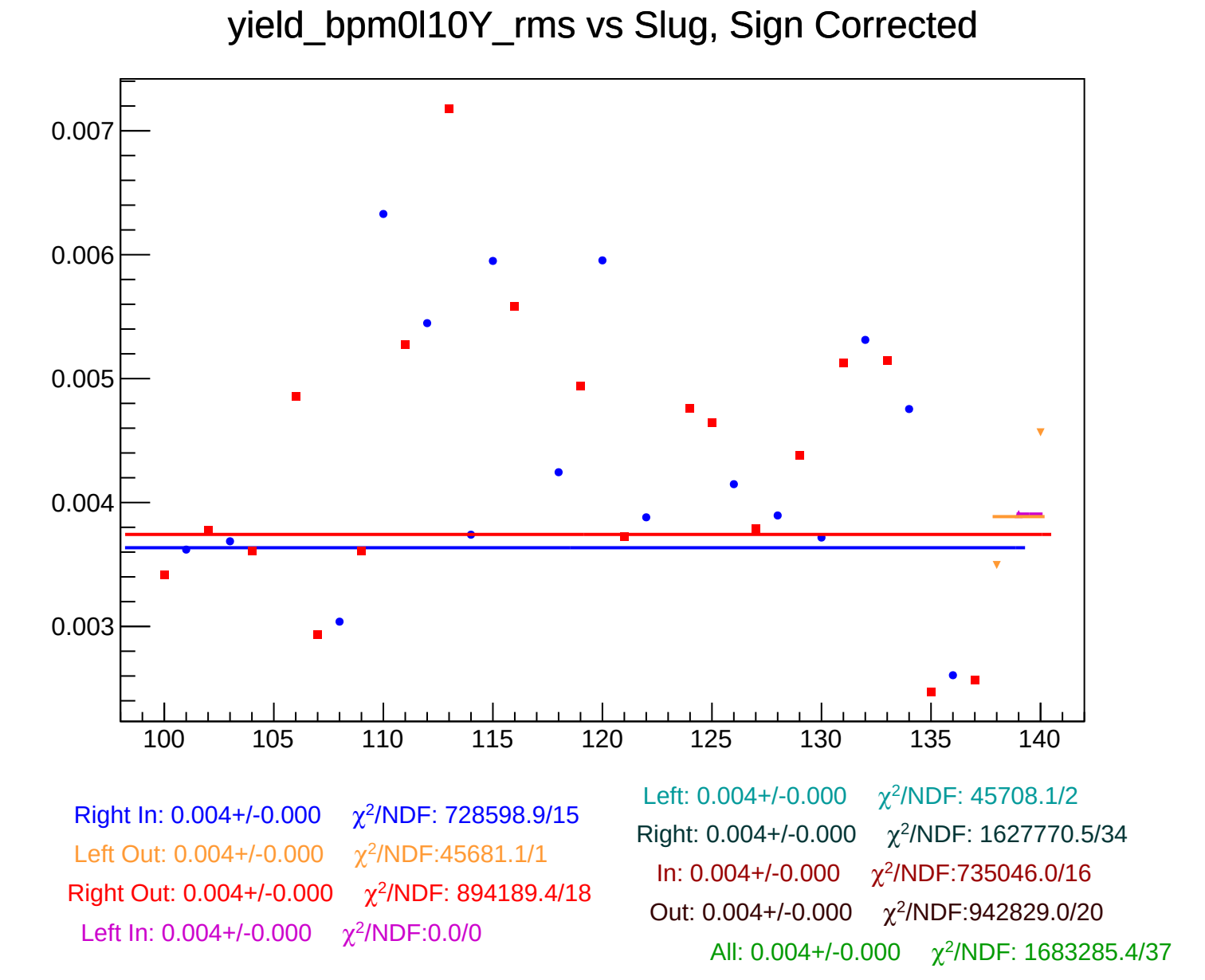
Left: -0.127+/-0.000 χ^2/NDF: 2172930168.9/2

Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

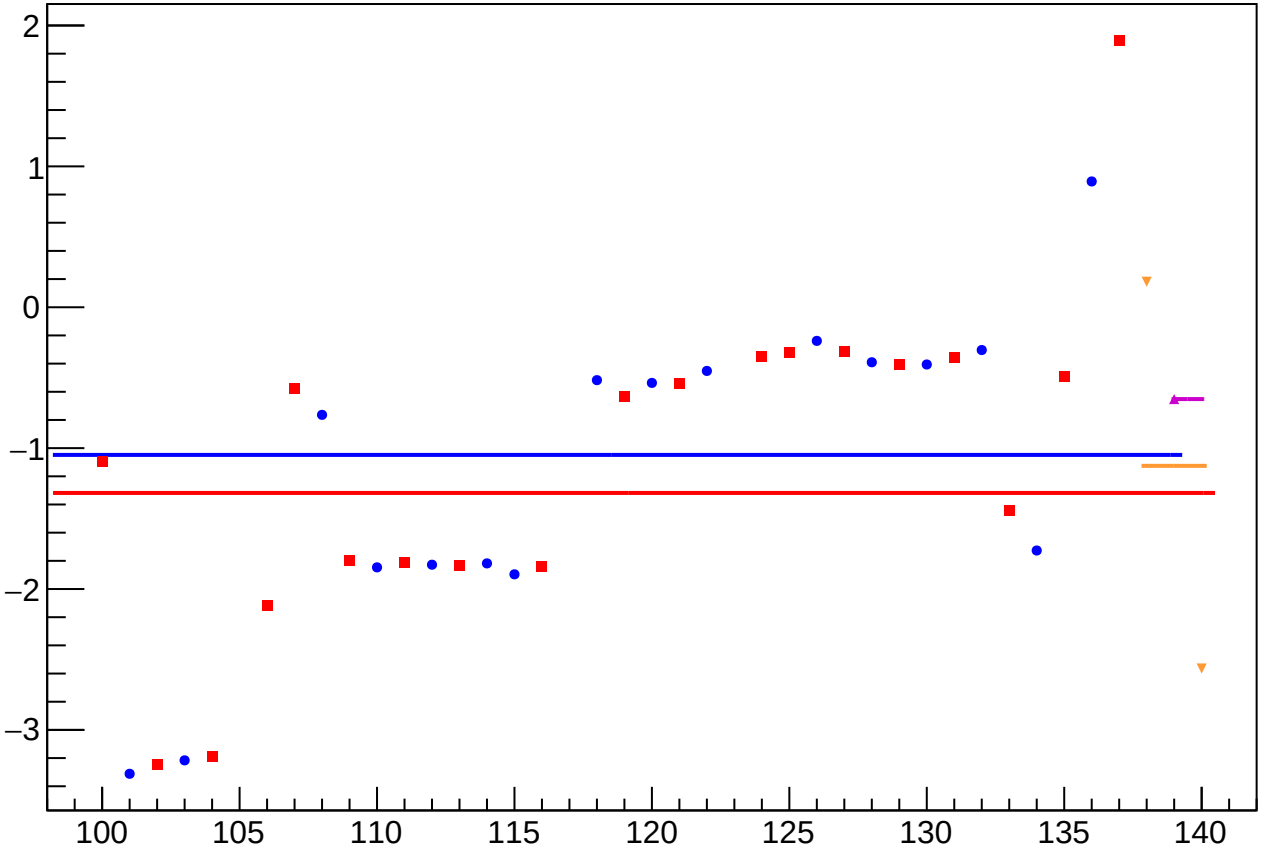
In: -0.248+/-0.000 χ^2/NDF:7259897152.7/16

Out: -0.242+/-0.000 χ^2/NDF:8424403849.0/20

All: -0.245+/-0.000 χ^2/NDF: 15692836095.9/


yield_bpm0l10Y_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
100
105
110
115
120
125
130
135
140
Right In: 0.004+/-0.000 χ²/NDF: 728598.9/15
Left Out: 0.004+/-0.000 χ²/NDF:45681.1/1
Right Out: 0.004+/-0.000 χ²/NDF: 894189.4/18
Left In: 0.004+/-0.000 χ²/NDF:0.0/0
Left: 0.004+/-0.000 χ²/NDF: 45708.1/2
Right: 0.004+/-0.000 χ²/NDF: 1627770.5/34
In: 0.004+/-0.000 χ²/NDF:735046.0/16
Out: 0.004+/-0.000 χ²/NDF:942829.0/20
All: 0.004+/-0.000 χ²/NDF: 1683285.4/37

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.126+/-0.000 χ^2/NDF:539927158.2/1

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.652+/-0.000 χ^2/NDF:0.0/0

Left: -0.959+/-0.000 χ^2/NDF: 562609083.7/2

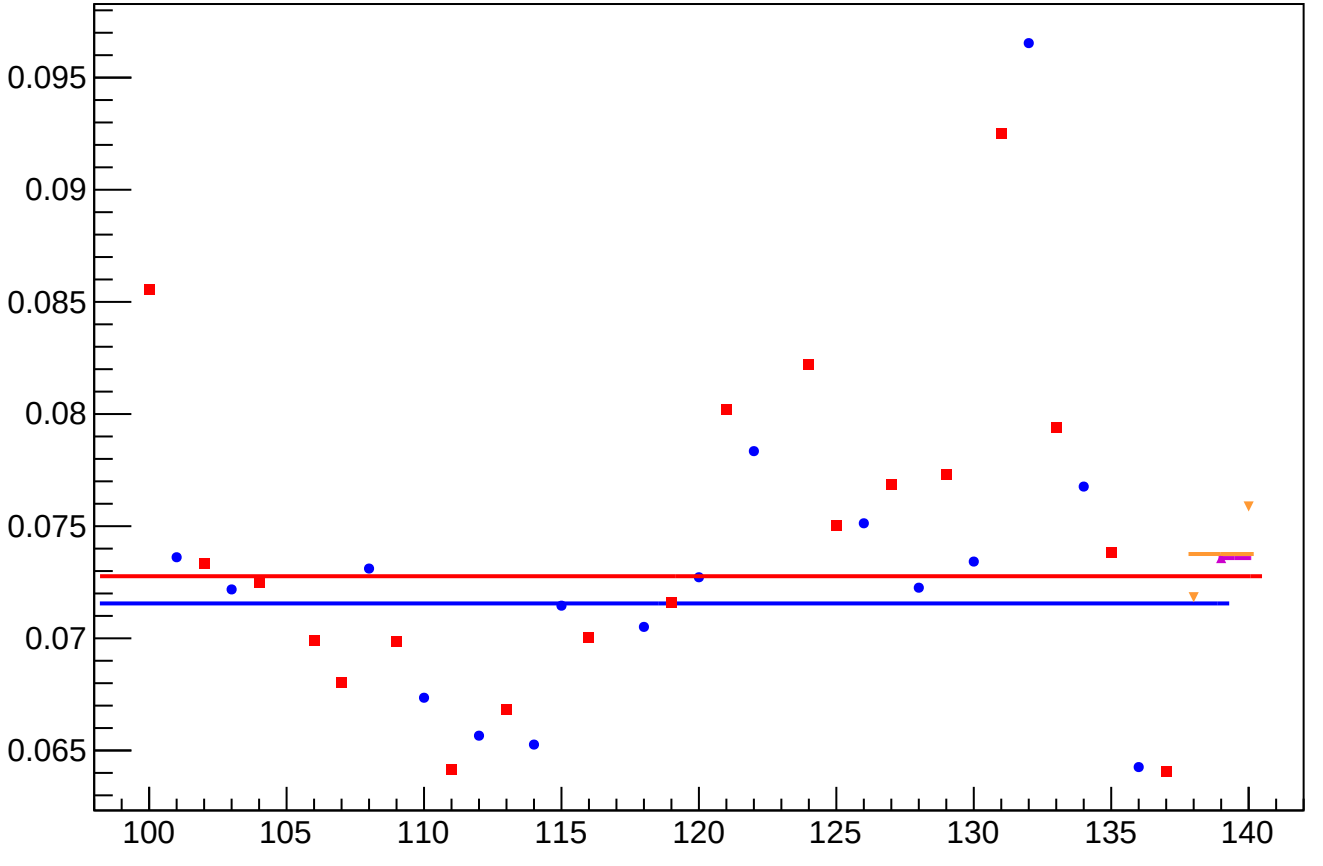
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.008+/-0.000 χ^2/NDF:2368978861.7/16

Out: -1.285+/-0.000 χ^2/NDF:2396707099.6/20

All: -1.152+/-0.000 χ^2/NDF: 4826706603.9/3

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.074+/-0.000 χ^2/NDF:2346.2/1

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.074+/-0.000 χ^2/NDF:0.0/0

Left: 0.074+/-0.000 χ^2/NDF: 2352.8/2

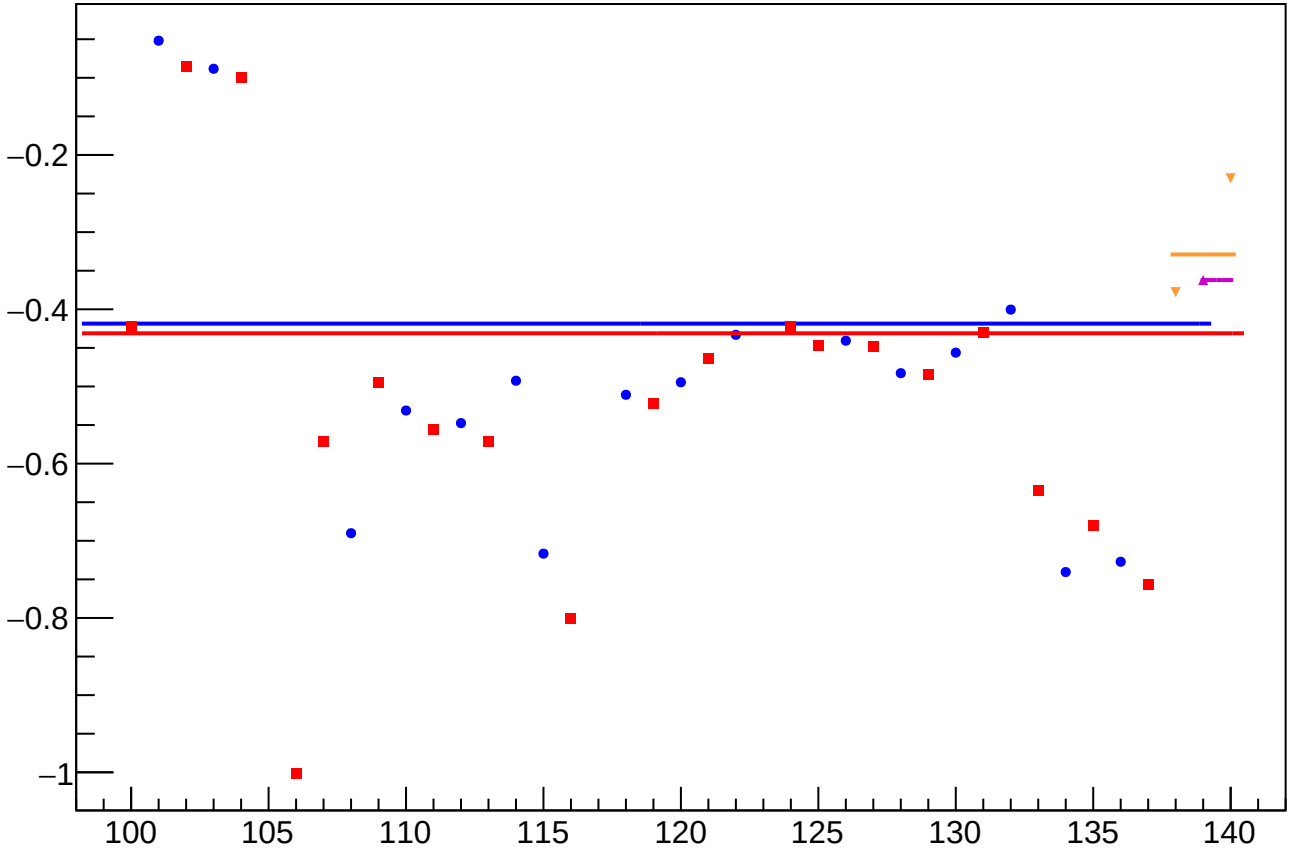
Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.072+/-0.000 χ^2/NDF:102381.6/16

Out: 0.073+/-0.000 χ^2/NDF:99686.1/20

All: 0.072+/-0.000 χ^2/NDF: 204273.7/37

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.329+/-0.000 χ^2/NDF:126061288.0/1

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.362+/-0.000 χ^2/NDF:0.0/0

Left: -0.341+/-0.000 χ^2/NDF: 136164423.3/2

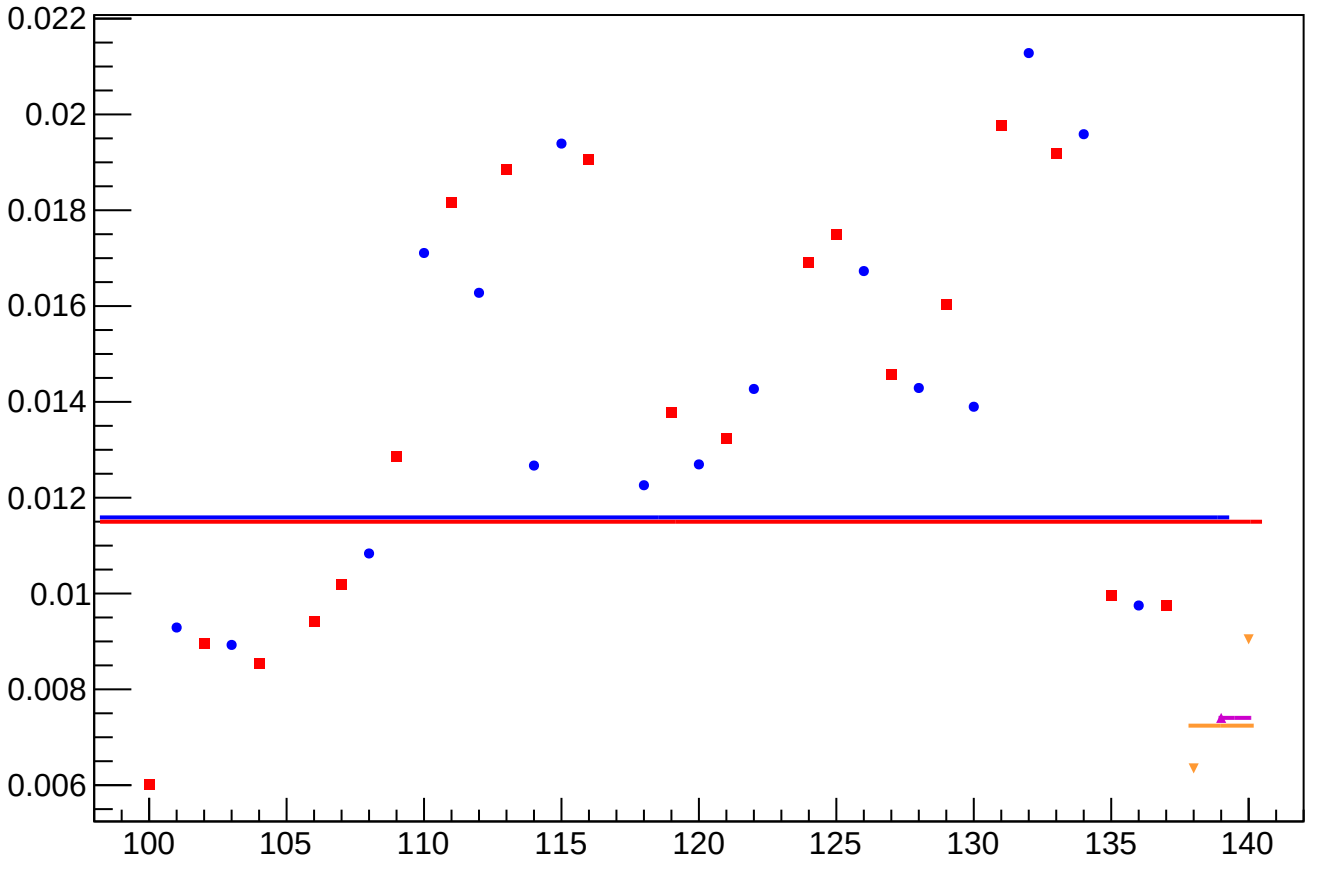
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.405+/-0.000 χ^2/NDF:3106421716.5/16

Out: -0.394+/-0.000 χ^2/NDF:3495732924.7/20

All: -0.399+/-0.000 χ^2/NDF: 6606082858.9/3

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:83898.2/1

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:0.0/0

Left: 0.007+/-0.000 χ^2/NDF: 84382.6/2

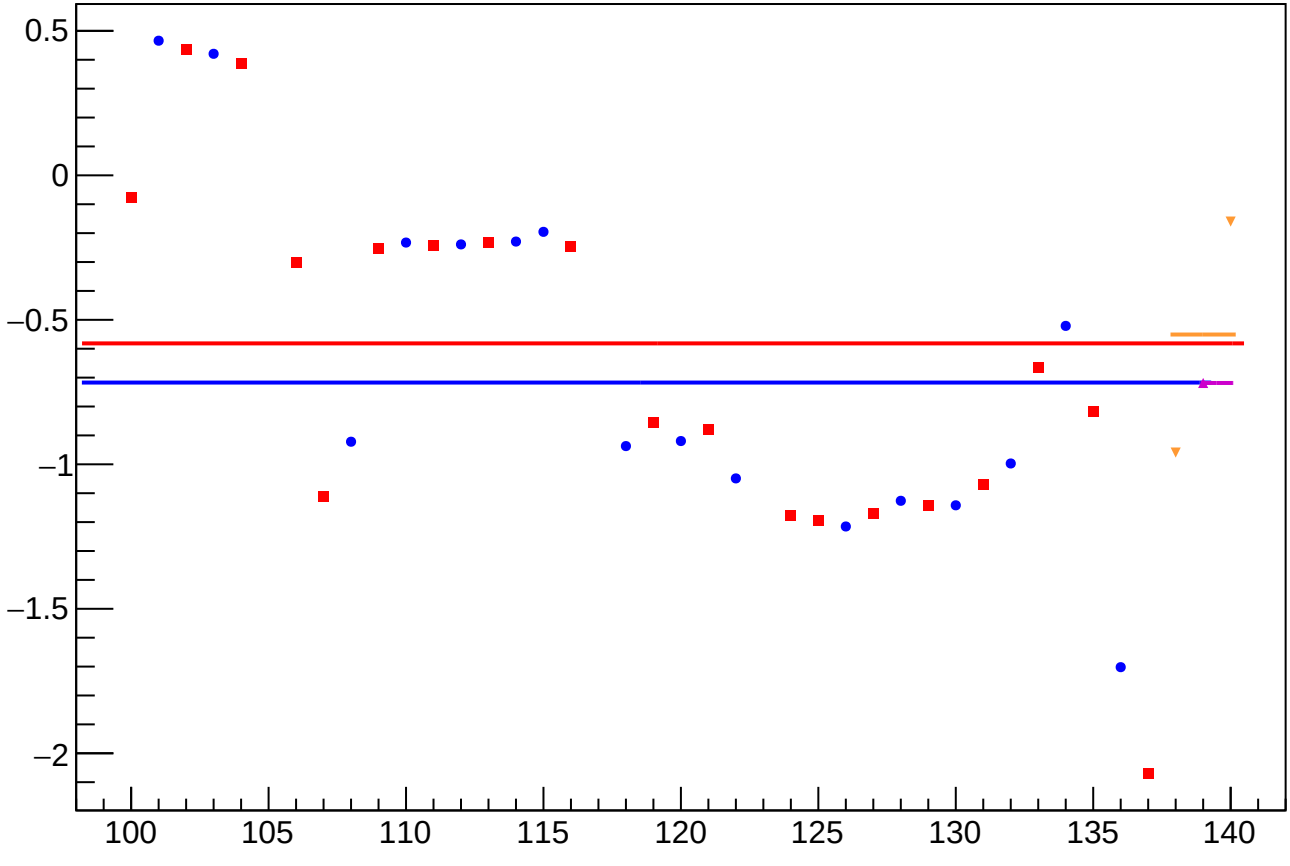
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.011+/-0.000 χ^2/NDF:1162642.4/16

Out: 0.010+/-0.000 χ^2/NDF:1849048.4/20

All: 0.010+/-0.000 χ^2/NDF: 3037201.6/37

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.551+/-0.000 χ^2/NDF:37118796.4/1

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -0.719+/-0.000 χ^2/NDF:0.0/0

Left: -0.608+/-0.000 χ^2/NDF: 39361402.3/2

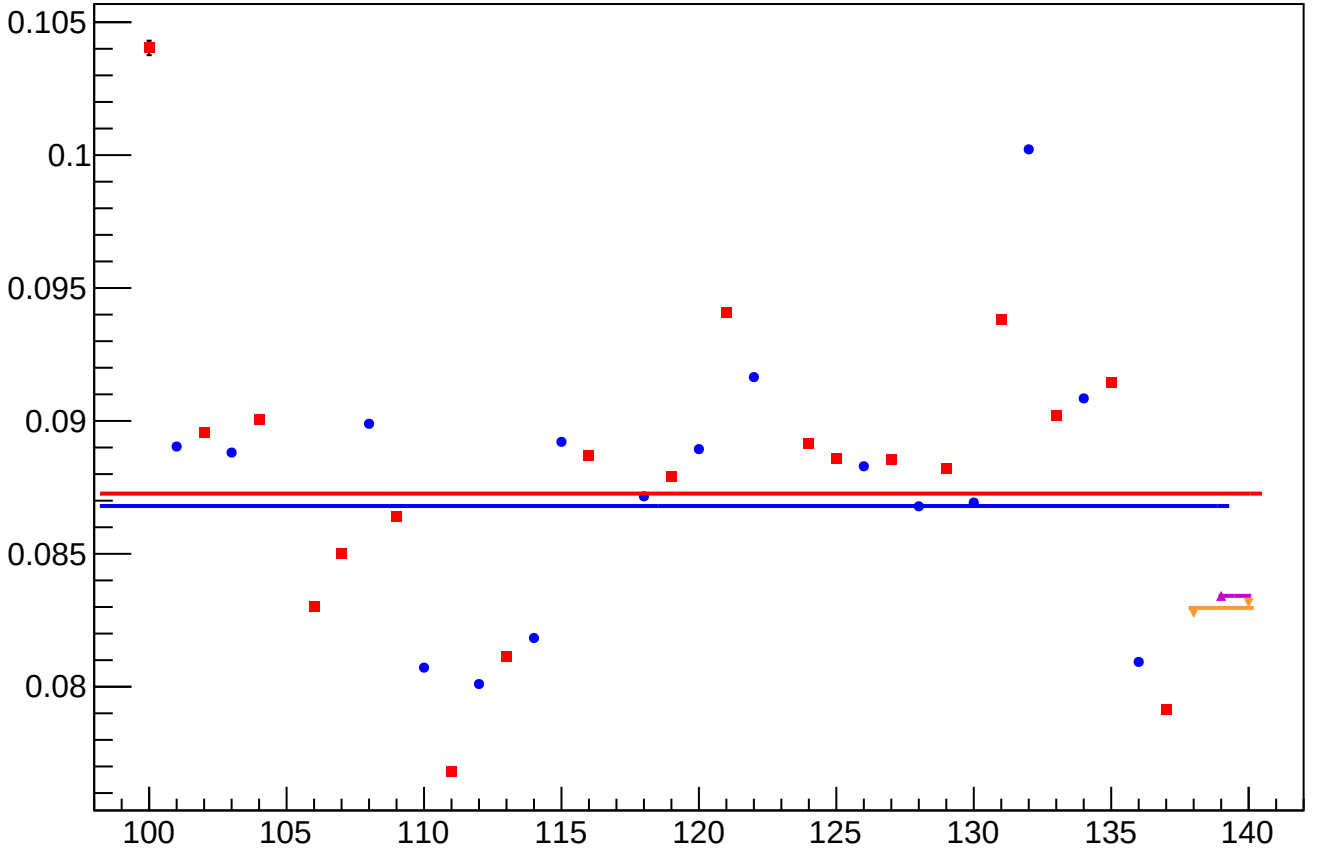
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.717+/-0.000 χ^2/NDF:437424011.3/16

Out: -0.576+/-0.000 χ^2/NDF:379357554.3/20

All: -0.642+/-0.000 χ^2/NDF: 828187956.4/37

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.083+/-0.000 χ^2/NDF:17.2/1

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.083+/-0.000 χ^2/NDF:0.0/0

Left: 0.083+/-0.000 χ^2/NDF: 50.0/2

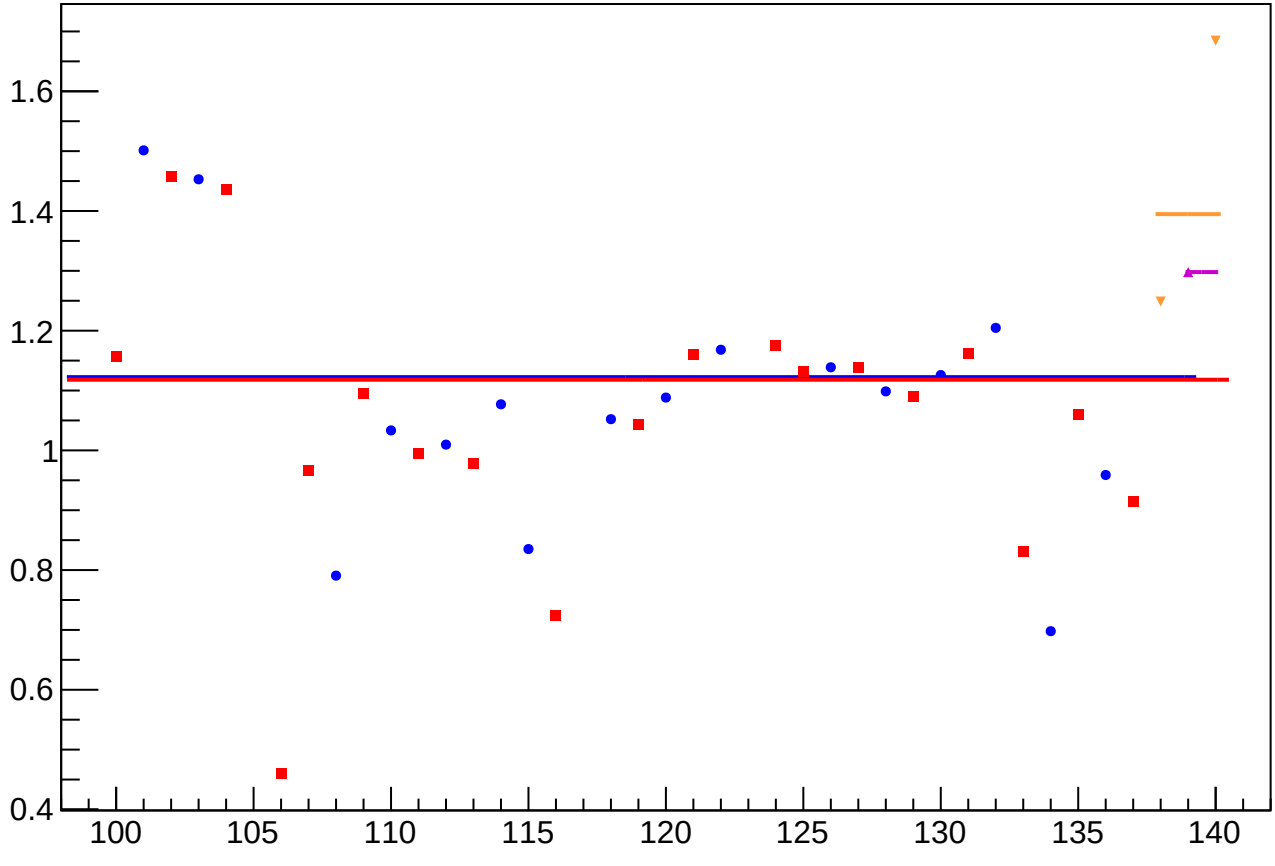
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:46036.1/16

Out: 0.086+/-0.000 χ^2/NDF:53127.4/20

All: 0.086+/-0.000 χ^2/NDF: 99164.2/37

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.395+/-0.000 χ^2/NDF:804460910.0/1

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 1.298+/-0.000 χ^2/NDF:0.0/0

Left: 1.359+/-0.000 χ^2/NDF: 870831973.5/2

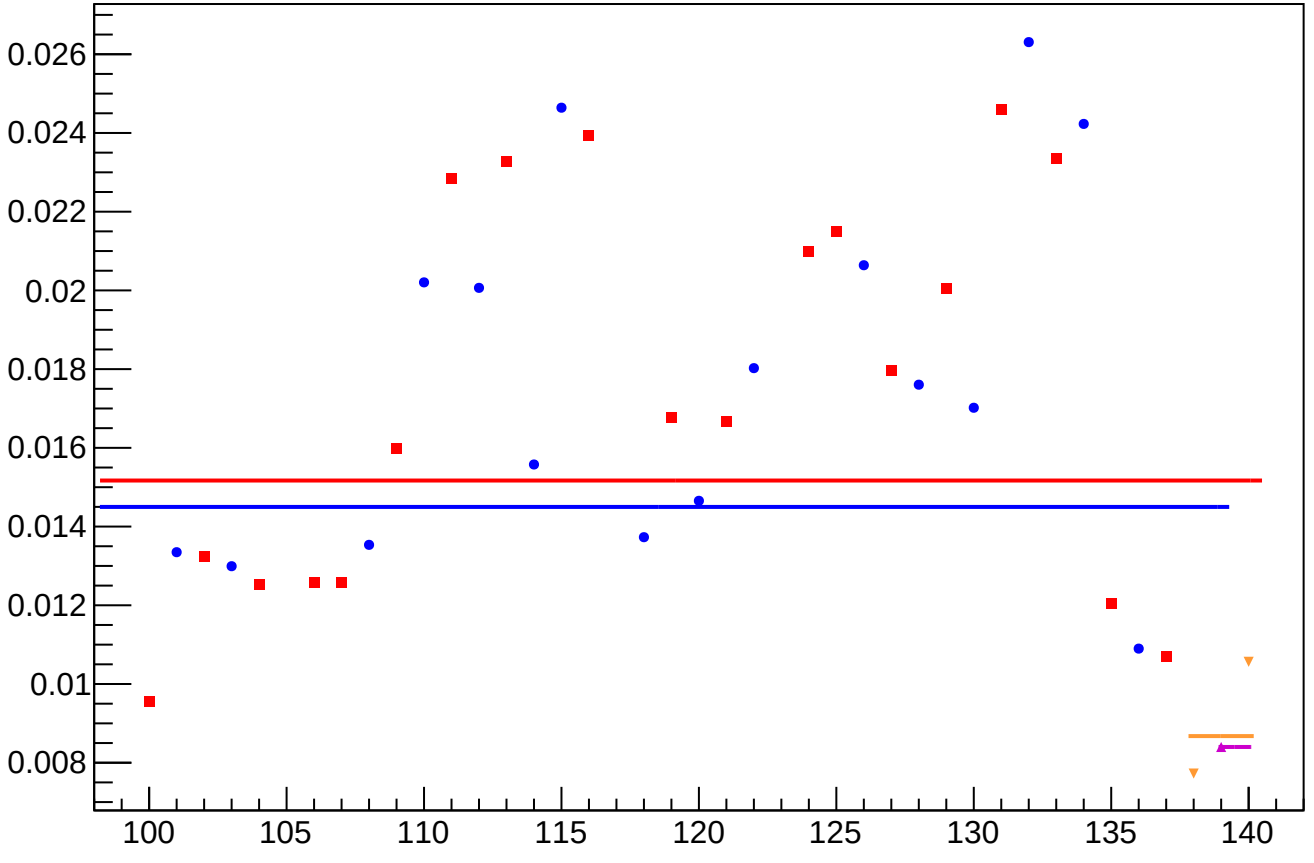
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 1.172+/-0.000 χ^2/NDF:1703127165.4/16

Out: 1.233+/-0.000 χ^2/NDF:3224058421.8/20

All: 1.205+/-0.000 χ^2/NDF: 5005938434.6/37

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:68255.2/1

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:0.0/0

Left: 0.009+/-0.000 χ^2/NDF: 69336.7/2

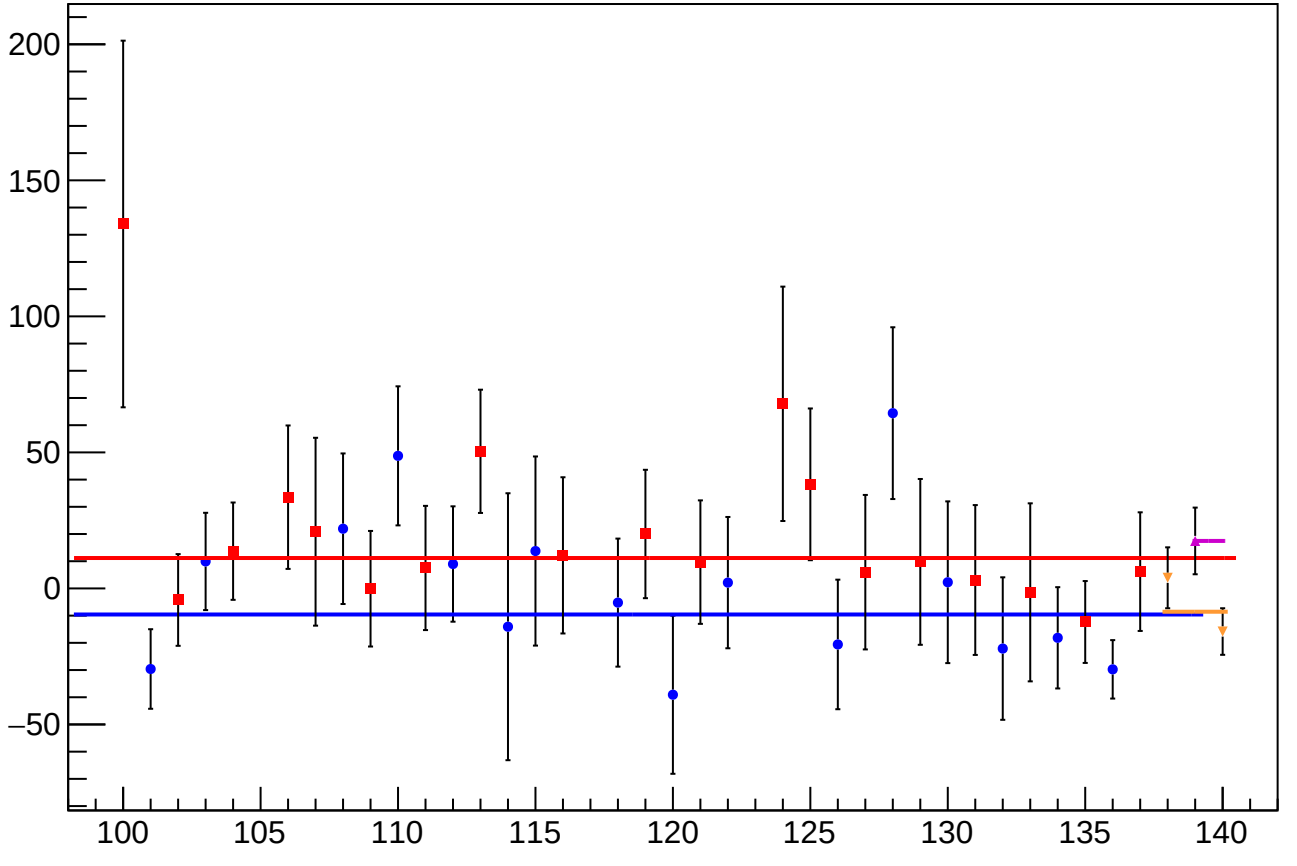
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.013+/-0.000 χ^2/NDF:1311040.0/16

Out: 0.012+/-0.000 χ^2/NDF:1868244.6/20

All: 0.013+/-0.000 χ^2/NDF: 3183039.6/37

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -8.565+/-6.800 χ^2/NDF:2.0/1

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 17.456+/-12.253 χ^2/NDF:0.0/0

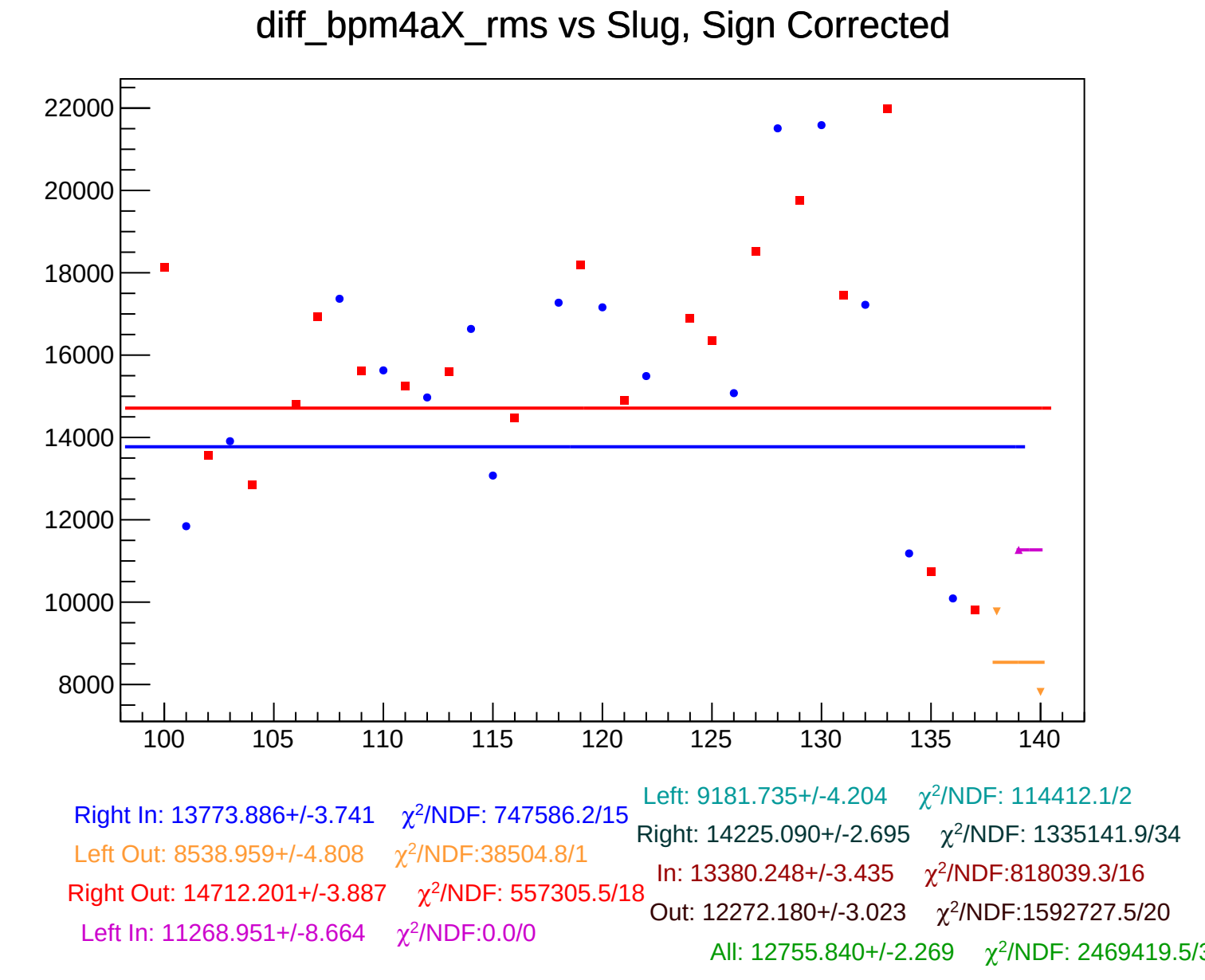
Left: -2.438+/-5.945 χ^2/NDF: 5.4/2

Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

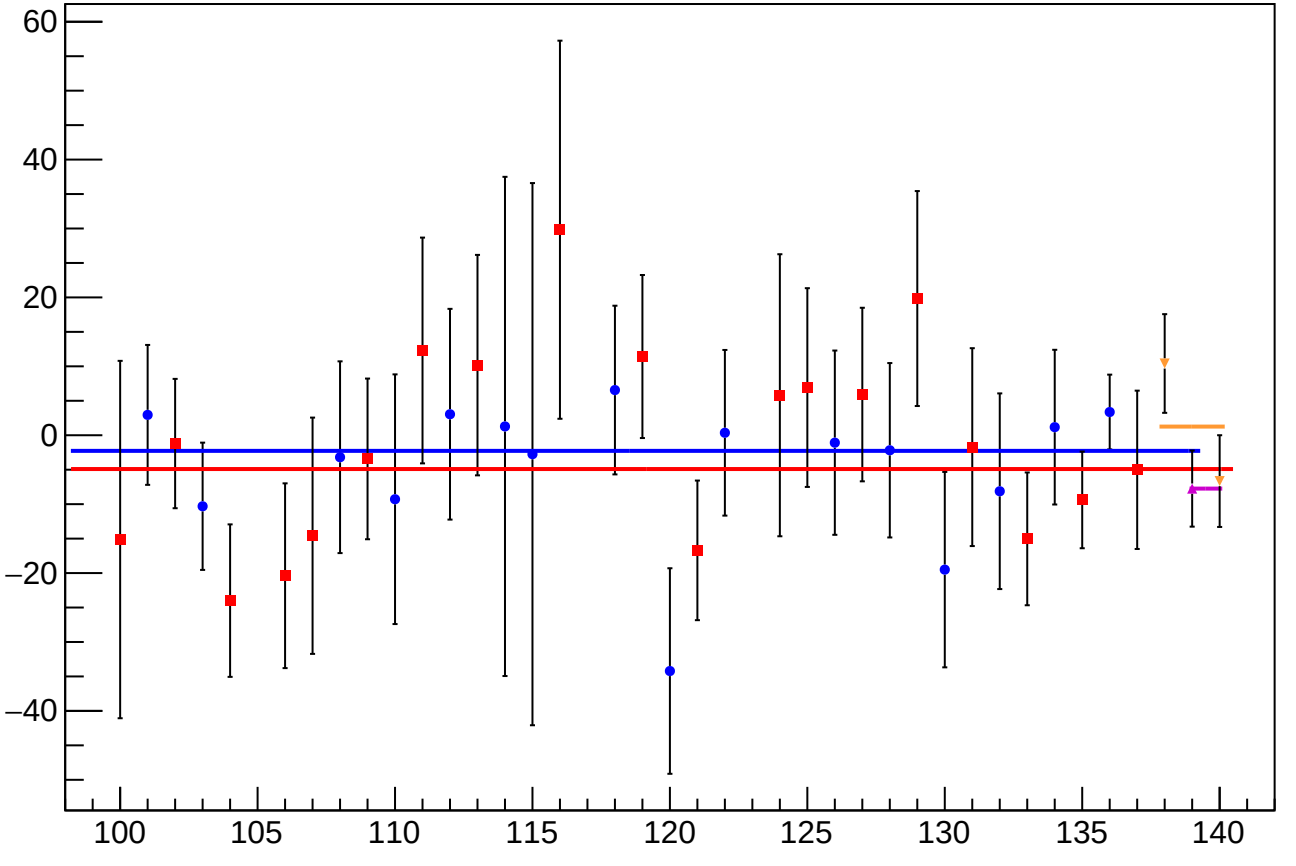
In: -5.333+/-4.857 χ^2/NDF:26.0/16

Out: 3.374+/-4.275 χ^2/NDF:20.9/20

All: -0.426+/-3.209 χ^2/NDF: 48.8/37


diff_bpm4aX_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
Right In: 13773.886+/-3.741 χ²/NDF: 747586.2/15
Left Out: 8538.959+/-4.808 χ²/NDF:38504.8/1
Right Out: 14712.201+/-3.887 χ²/NDF: 557305.5/18
Left In: 11268.951+/-8.664 χ²/NDF:0.0/0
Left: 9181.735+/-4.204 χ²/NDF: 114412.1/2
Right: 14225.090+/-2.695 χ²/NDF: 1335141.9/34
In: 13380.248+/-3.435 χ²/NDF:818039.3/16
Out: 12272.180+/-3.023 χ²/NDF:1592727.5/20
All: 12755.840+/-2.269 χ²/NDF: 2469419.5/3

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 1.257+/-4.875 χ^2/NDF:3.0/1

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -7.742+/-5.521 χ^2/NDF:0.0/0

Left: -2.685+/-3.654 χ^2/NDF: 4.5/2

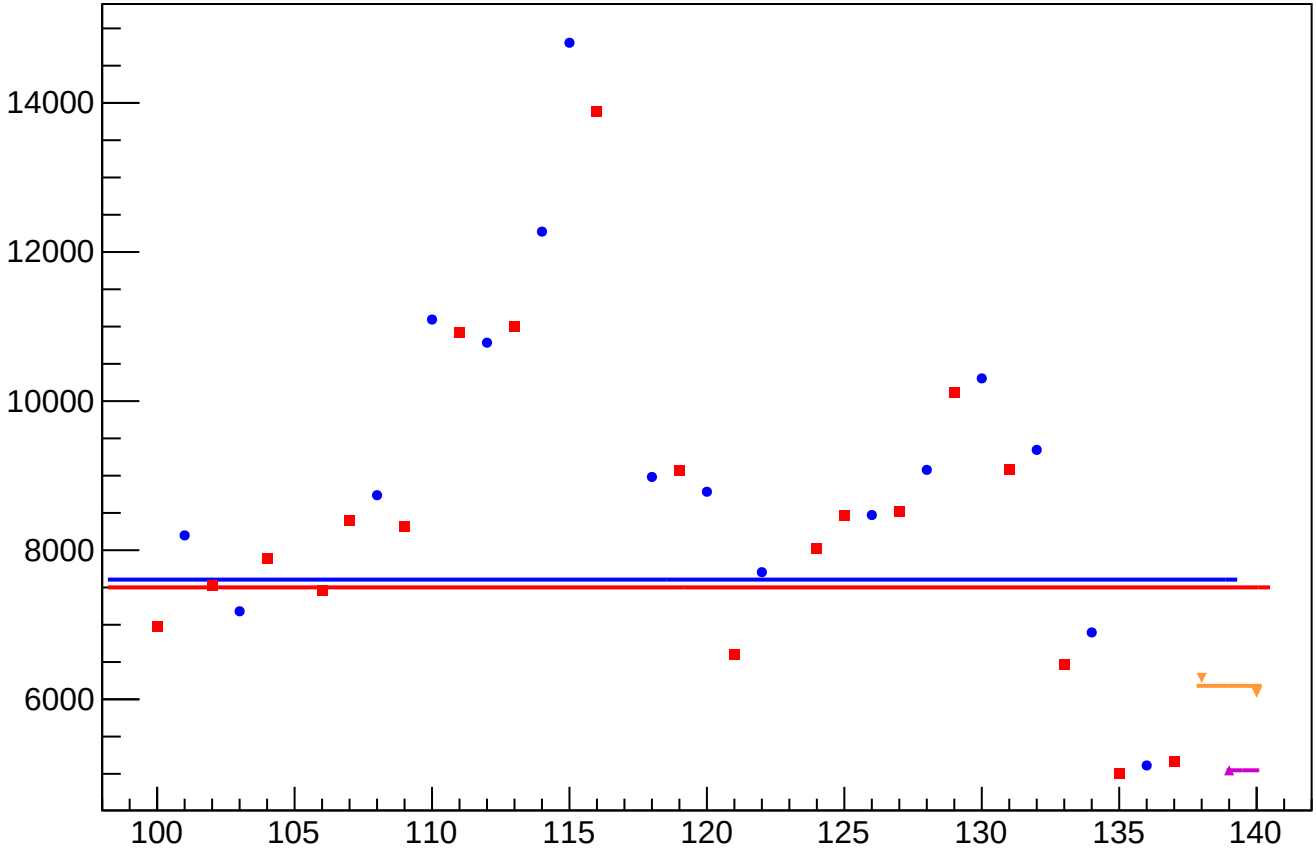
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -3.465+/-2.583 χ^2/NDF:10.1/16

Out: -3.346+/-2.451 χ^2/NDF:21.8/20

All: -3.403+/-1.778 χ^2/NDF: 31.9/37

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6181.032+/-3.447 χ^2/NDF:816.4/1

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 5047.534+/-3.904 χ^2/NDF:0.0/0

Left: 5684.528+/-2.584 χ^2/NDF: 48186.6/2

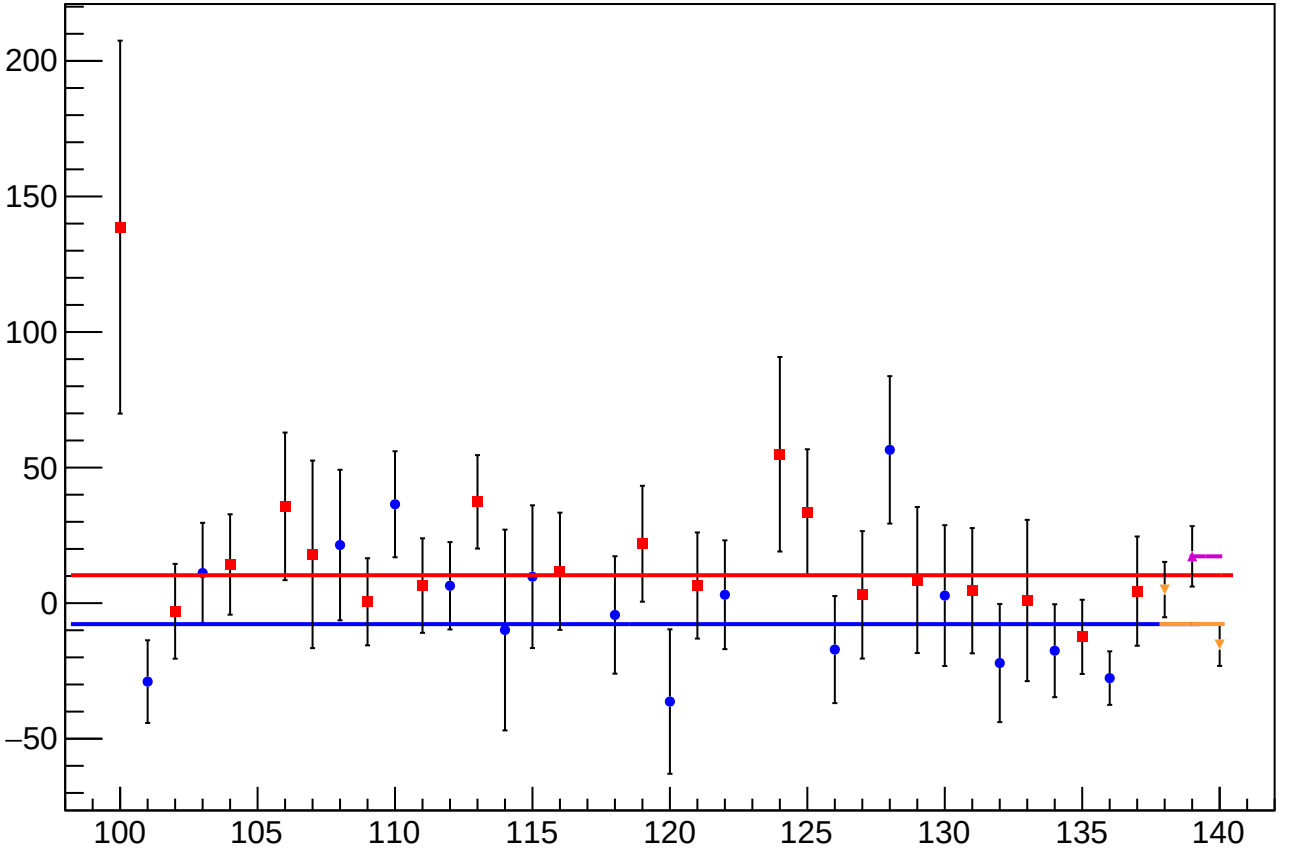
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 7045.966+/-1.826 χ^2/NDF:1226898.0/16

Out: 7167.597+/-1.733 χ^2/NDF:934027.4/20

All: 7109.954+/-1.257 χ^2/NDF: 2163259.0/37

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -7.704+/-6.235 χ^2/NDF:2.5/1

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 17.265+/-11.147 χ^2/NDF:0.0/0

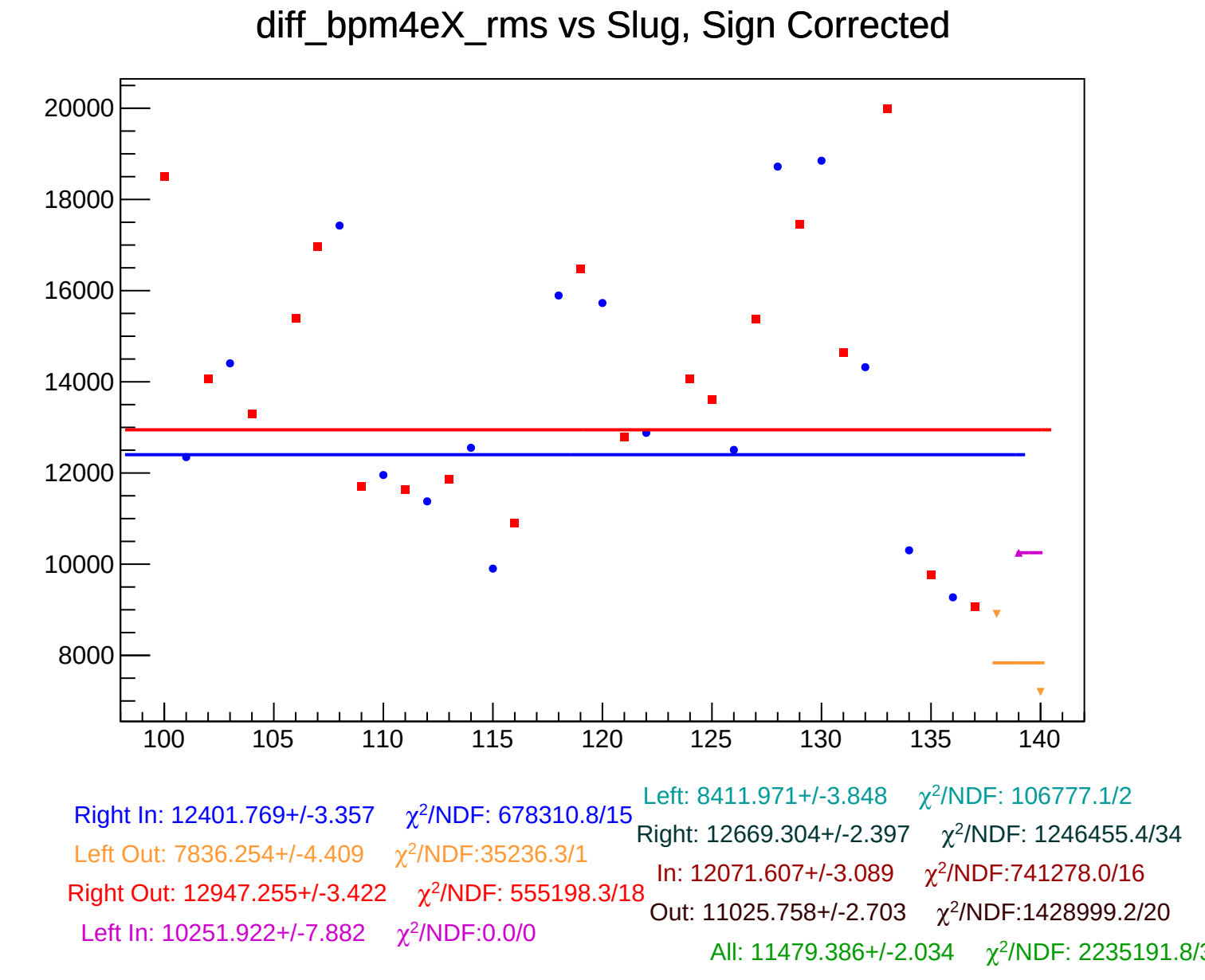
Left: -1.753+/-5.442 χ^2/NDF: 6.3/2

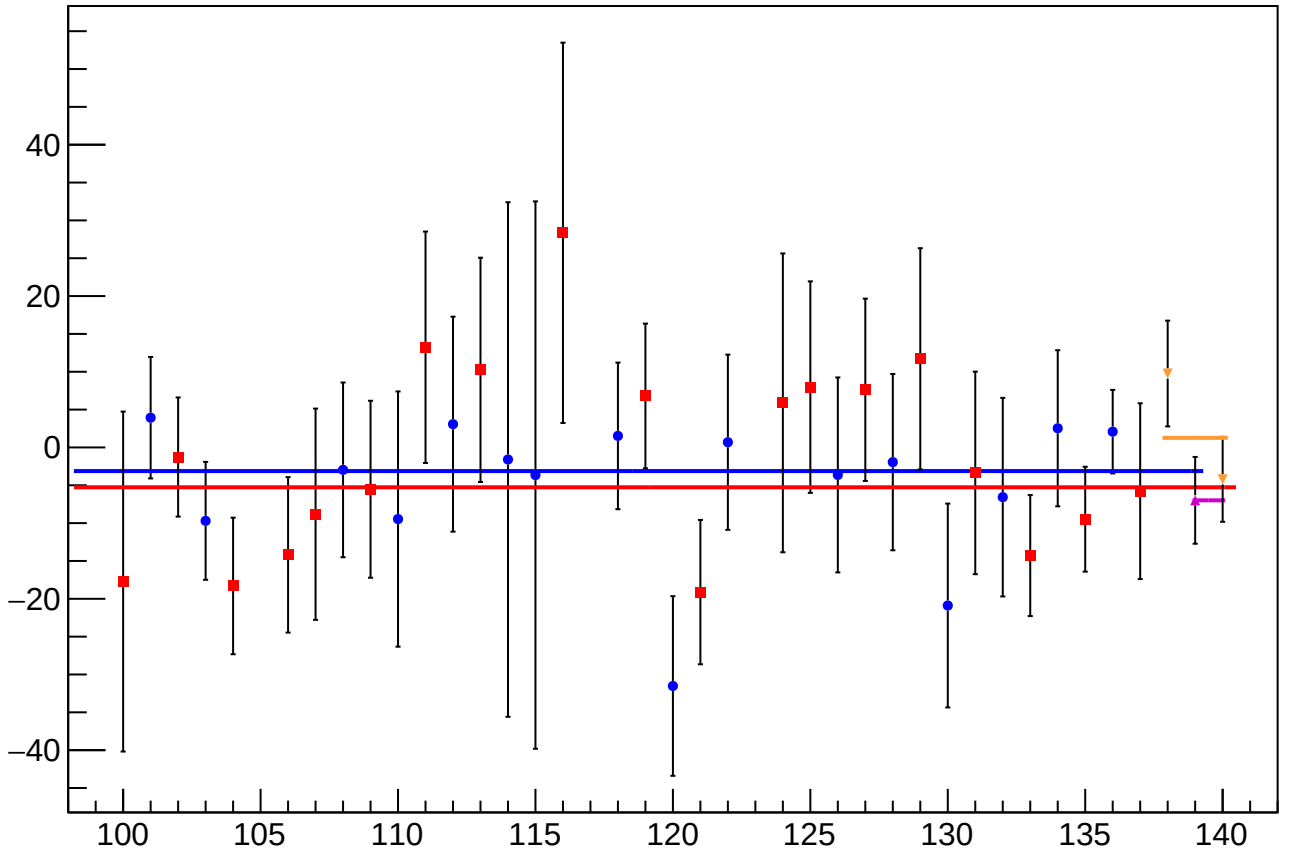
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -3.901+/-4.368 χ^2/NDF:26.9/16

Out: 3.536+/-3.823 χ^2/NDF:21.6/20

All: 0.310+/-2.877 χ^2/NDF: 50.2/37


diff_bpm4eX_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
Right In: 12401.769+/-3.357 χ²/NDF: 678310.8/15
Left Out: 7836.254+/-4.409 χ²/NDF:35236.3/1
Right Out: 12947.255+/-3.422 χ²/NDF: 555198.3/18
Left In: 10251.922+/-7.882 χ²/NDF:0.0/0
Left: 8411.971+/-3.848 χ²/NDF: 106777.1/2
Right: 12669.304+/-2.397 χ²/NDF: 1246455.4/34
In: 12071.607+/-3.089 χ²/NDF:741278.0/16
Out: 11025.758+/-2.703 χ²/NDF:1428999.2/20
All: 11479.386+/-2.034 χ²/NDF: 2235191.8/3



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 1.267+/-4.376 χ^2/NDF:2.4/1

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -6.989+/-5.733 χ^2/NDF:0.0/0

Left: -1.772+/-3.478 χ^2/NDF: 3.7/2

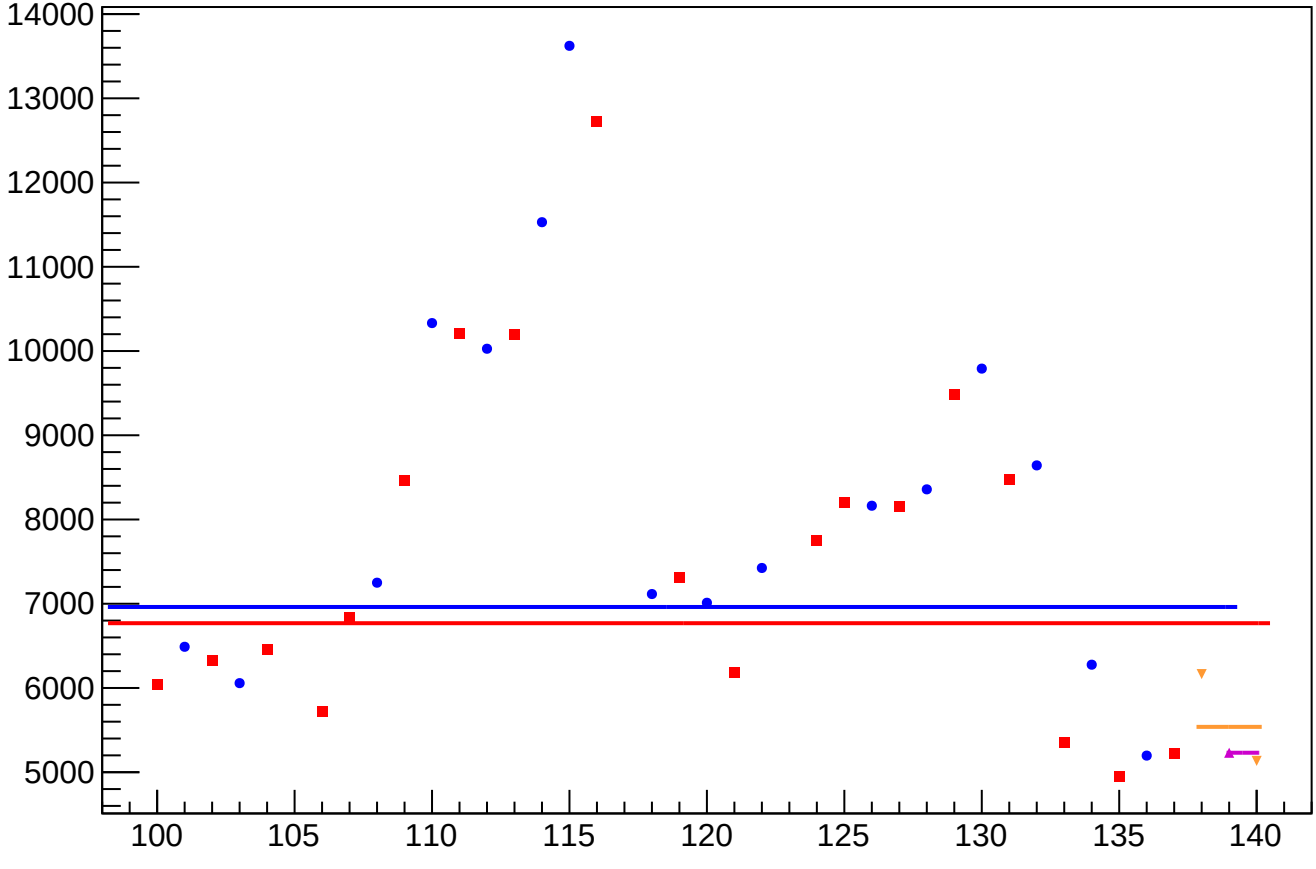
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -3.806+/-2.410 χ^2/NDF:11.3/16

Out: -3.606+/-2.205 χ^2/NDF:21.0/20

All: -3.697+/-1.627 χ^2/NDF: 32.3/37

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 5538.323+/-3.094 χ^2/NDF:26419.7/1

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 5231.204+/-4.054 χ^2/NDF:0.0/0

Left: 5425.282+/-2.460 χ^2/NDF: 30046.1/2

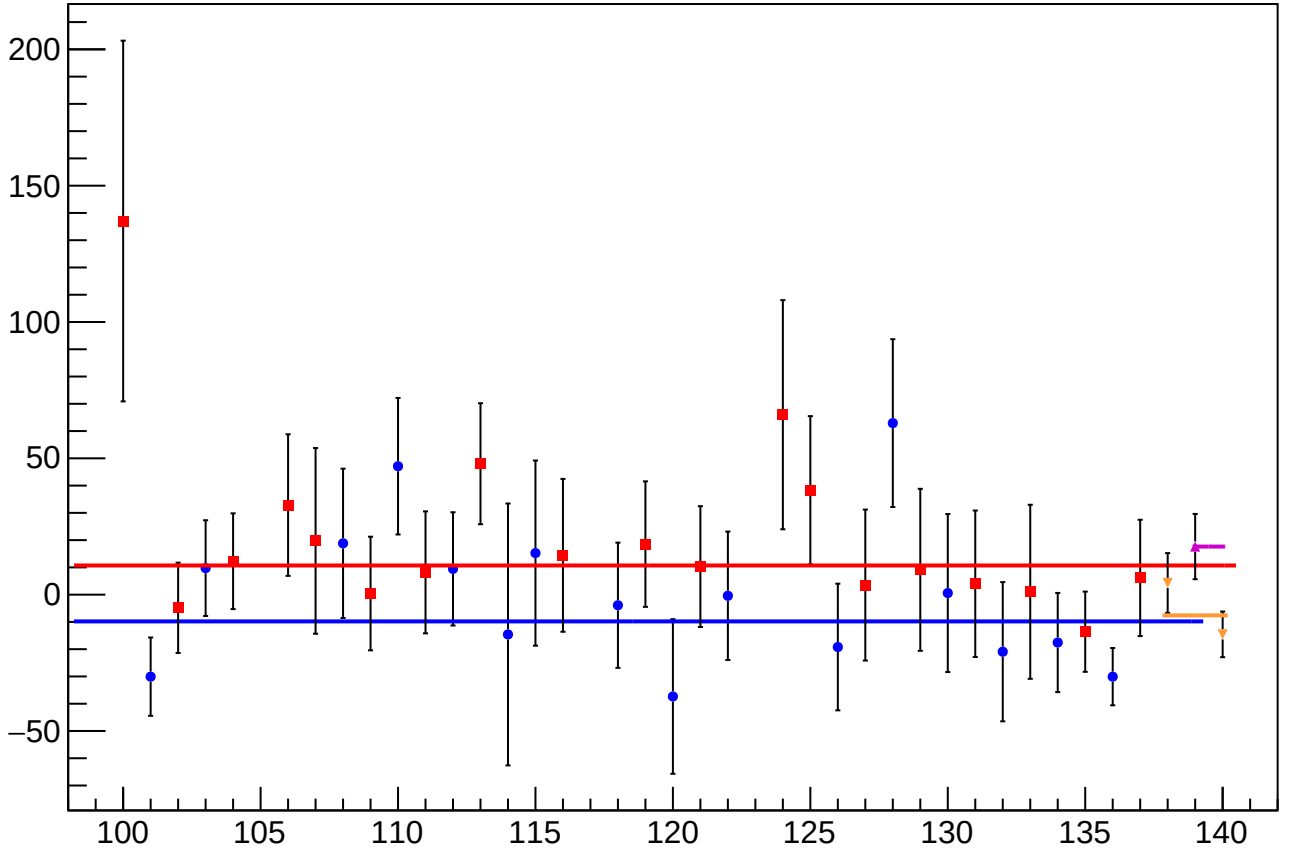
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6655.940+/-1.704 χ^2/NDF:846405.1/16

Out: 6456.440+/-1.559 χ^2/NDF:942550.3/20

All: 6547.364+/-1.150 χ^2/NDF: 1796416.0/37

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -7.604+/-6.654 χ^2/NDF:1.9/1

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 17.635+/-11.970 χ^2/NDF:0.0/0

Left: -1.646+/-5.816 χ^2/NDF: 5.3/2

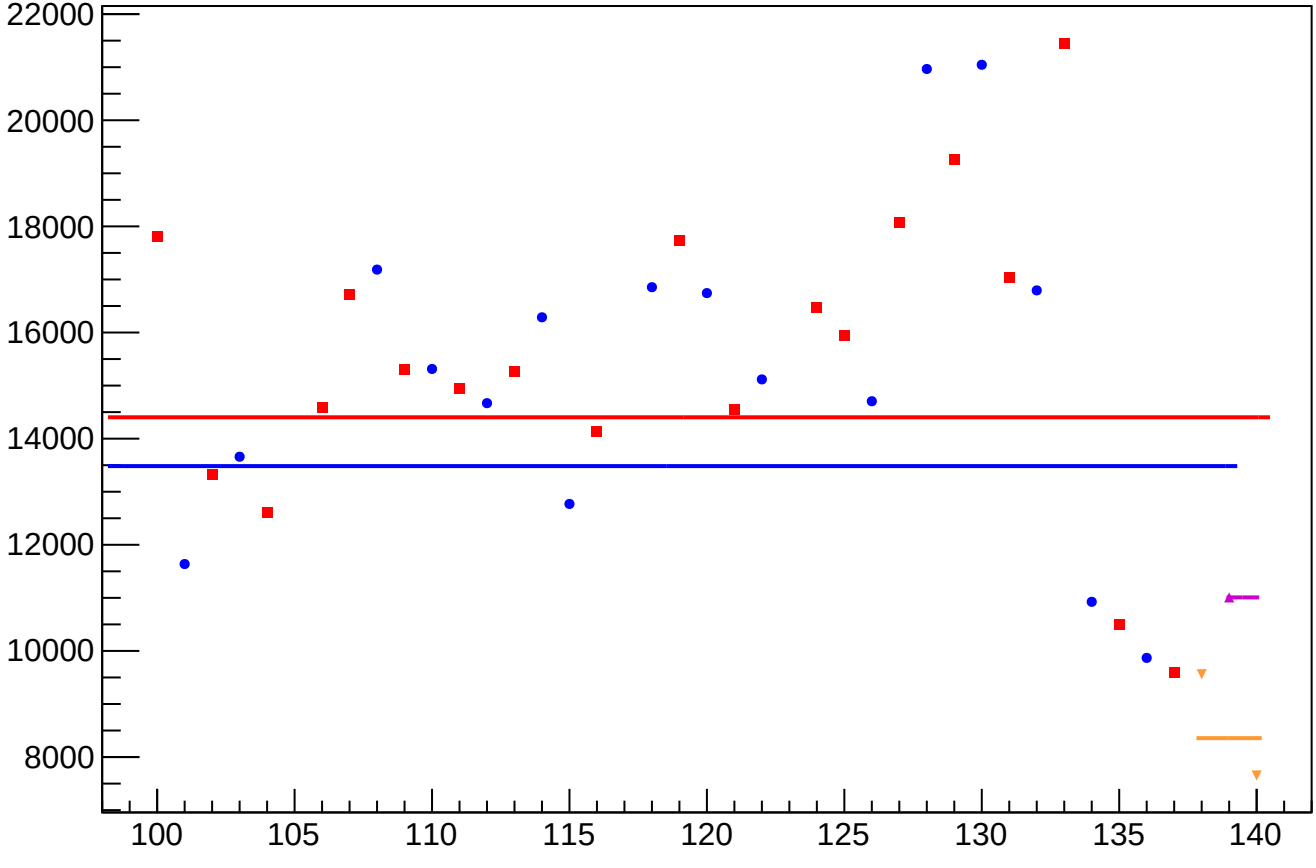
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -5.484+/-4.752 χ^2/NDF:26.5/16

Out: 3.465+/-4.184 χ^2/NDF:20.8/20

All: -0.442+/-3.140 χ^2/NDF: 49.2/37

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8356.955+/-4.705 χ^2/NDF:38281.1/1

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 11008.588+/-8.464 χ^2/NDF:0.0/0

Left: 8982.902+/-4.112 χ^2/NDF: 113261.2/2

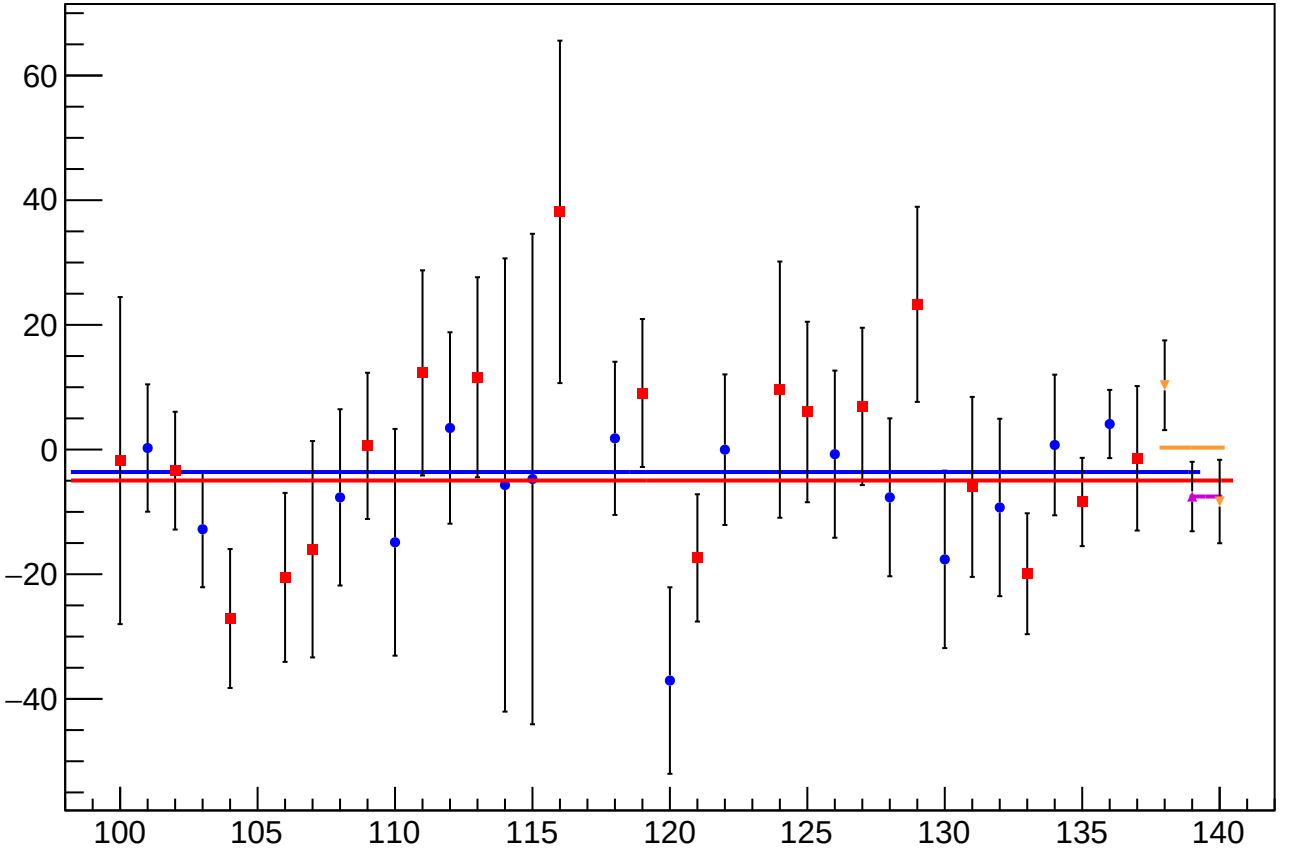
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 13092.835+/-3.360 χ^2/NDF:815692.4/16

Out: 12012.344+/-2.958 χ^2/NDF:1589045.3/20

All: 12484.114+/-2.221 χ^2/NDF: 2462979.8/3

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 0.314+/-4.901 χ^2/NDF:3.6/1

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -7.535+/-5.570 χ^2/NDF:0.0/0

Left: -3.111+/-3.680 χ^2/NDF: 4.7/2

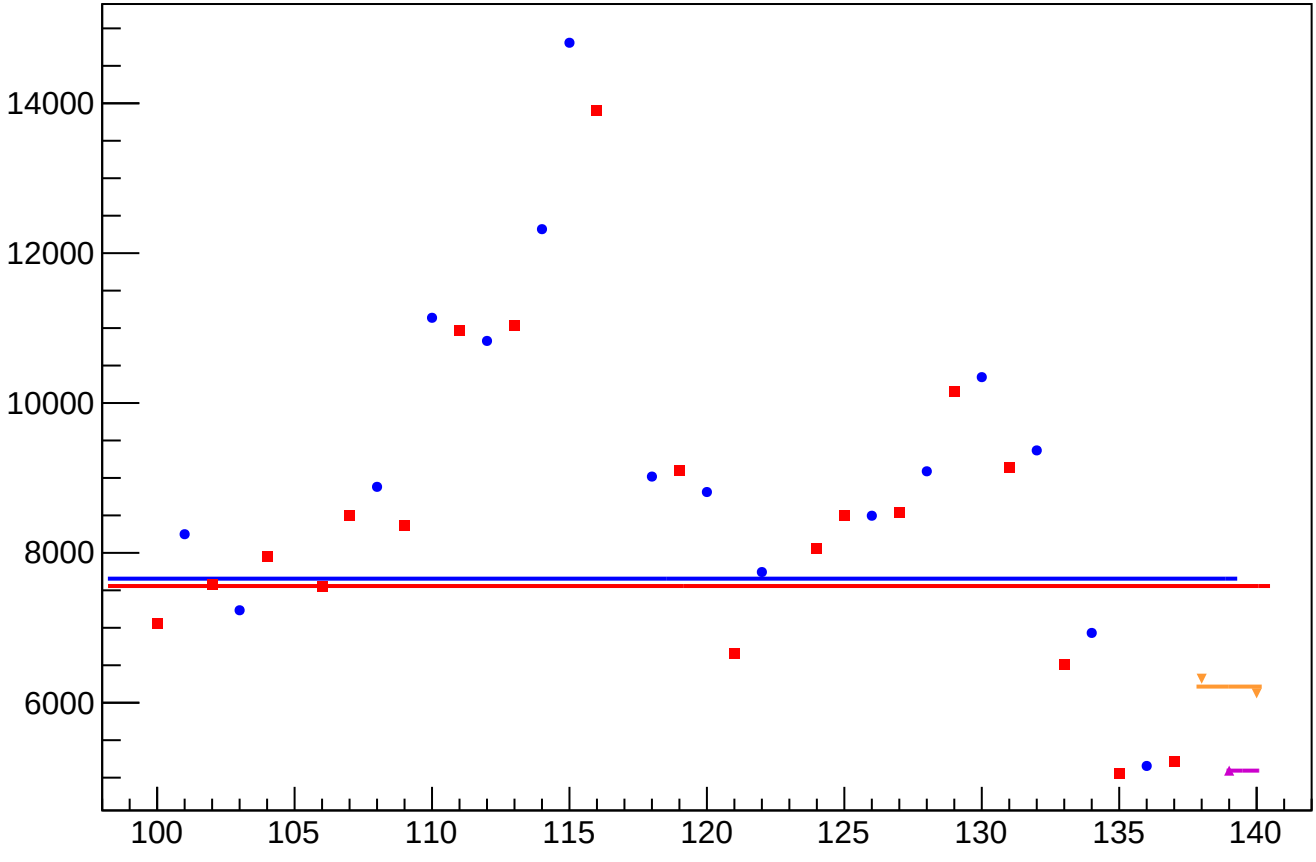
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -4.461+/-2.600 χ^2/NDF:10.9/16

Out: -3.627+/-2.467 χ^2/NDF:25.8/20

All: -4.023+/-1.790 χ^2/NDF: 36.8/37

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6215.400+/-3.466 χ^2/NDF:791.6/1

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 5093.752+/-3.939 χ^2/NDF:0.0/0

Left: 5725.966+/-2.602 χ^2/NDF: 46500.1/2

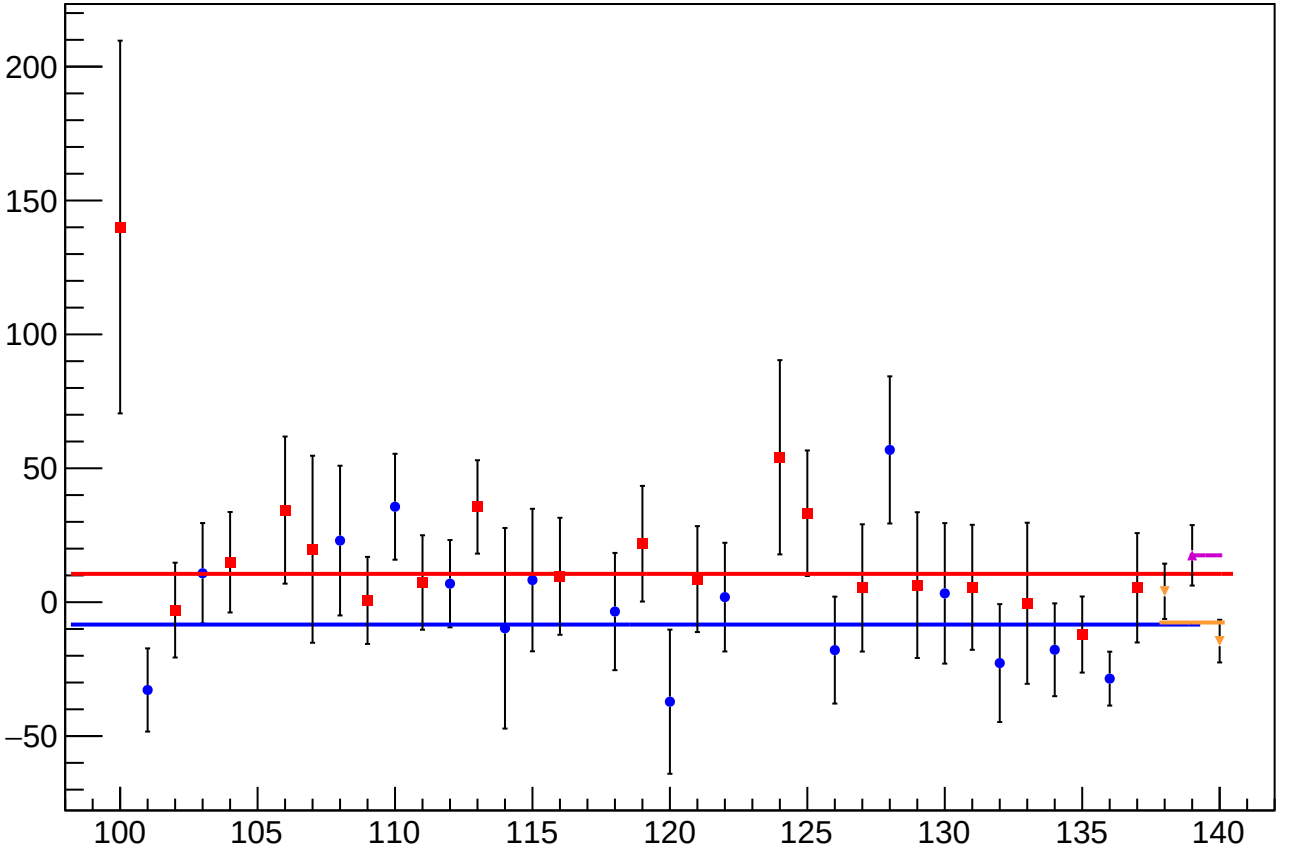
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 7097.639+/-1.838 χ^2/NDF:1210707.3/16

Out: 7217.386+/-1.745 χ^2/NDF:922619.4/20

All: 7160.649+/-1.266 χ^2/NDF: 2135559.0/37

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -7.591+/-6.308 χ^2/NDF:2.0/1

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 17.502+/-11.294 χ^2/NDF:0.0/0

Left: -1.624+/-5.507 χ^2/NDF: 5.8/2

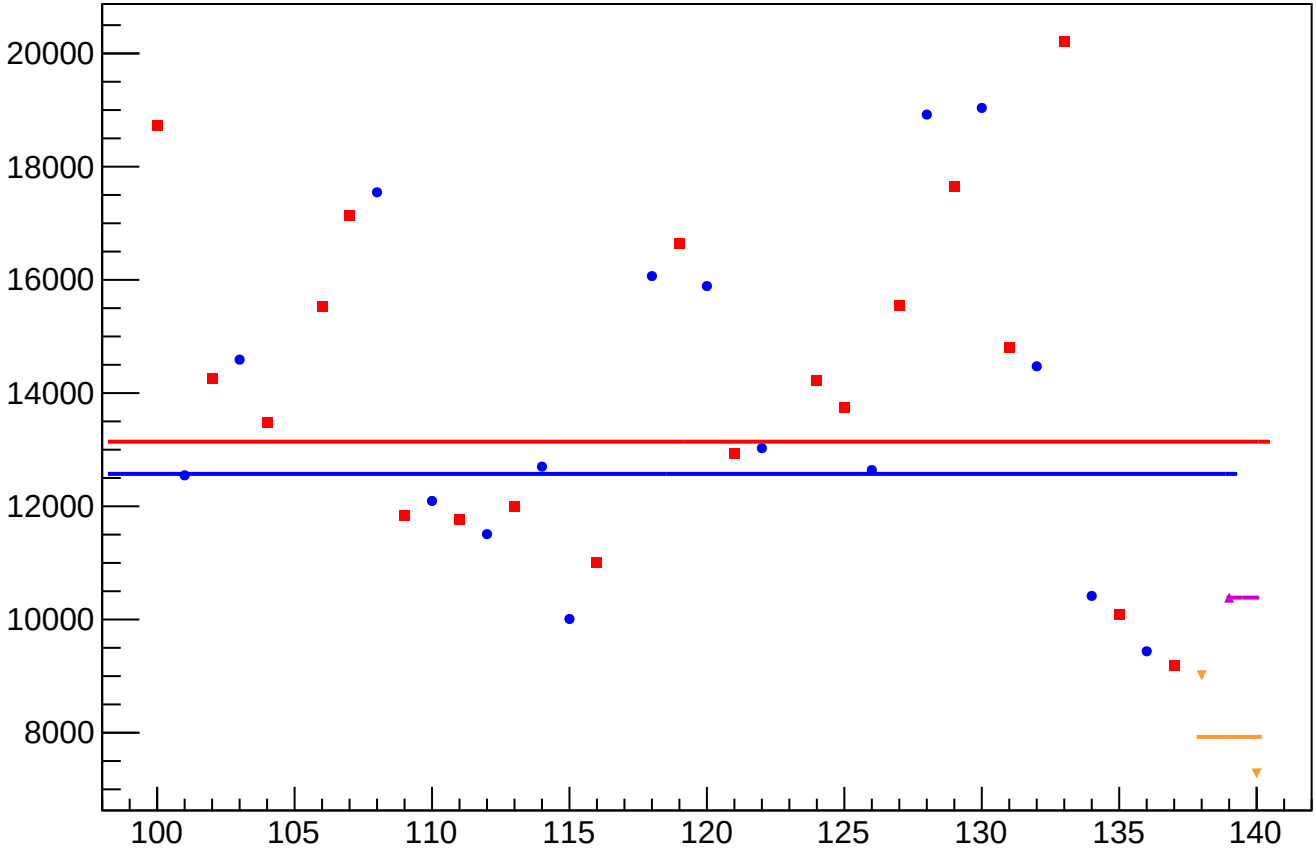
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -4.377+/-4.428 χ^2/NDF:27.7/16

Out: 3.719+/-3.875 χ^2/NDF:20.1/20

All: 0.208+/-2.916 χ^2/NDF: 49.7/37

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 7926.993+/-4.460 χ^2/NDF:35310.5/1

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 10387.009+/-7.986 χ^2/NDF:0.0/0

Left: 8511.932+/-3.894 χ^2/NDF: 107637.1/2

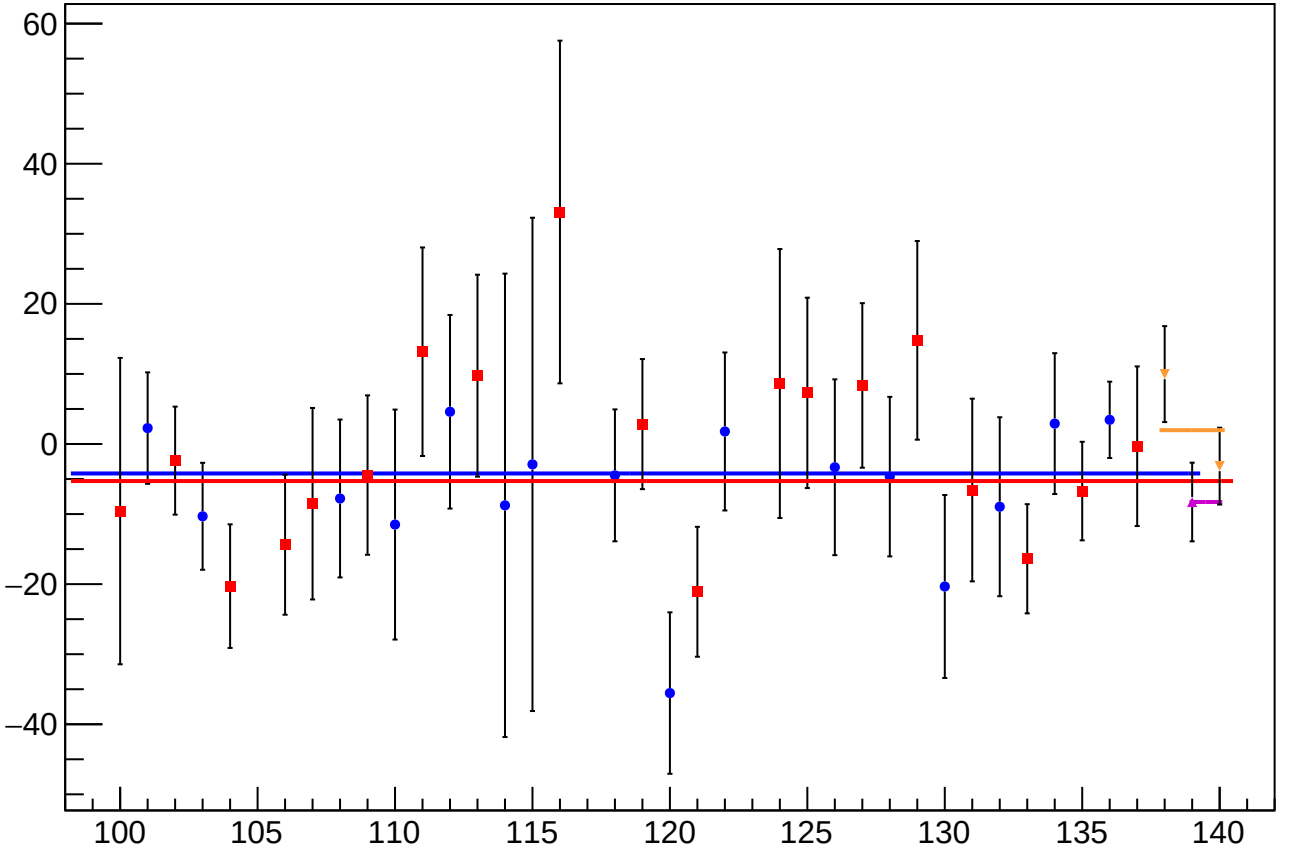
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 12236.579+/-3.131 χ^2/NDF:728410.6/16

Out: 11173.518+/-2.740 χ^2/NDF:1420898.4/20

All: 11634.528+/-2.062 χ^2/NDF: 2214584.5/3

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 1.973+/-4.280 χ^2/NDF:2.2/1

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -8.279+/-5.614 χ^2/NDF:0.0/0

Left: -1.796+/-3.404 χ^2/NDF: 4.4/2

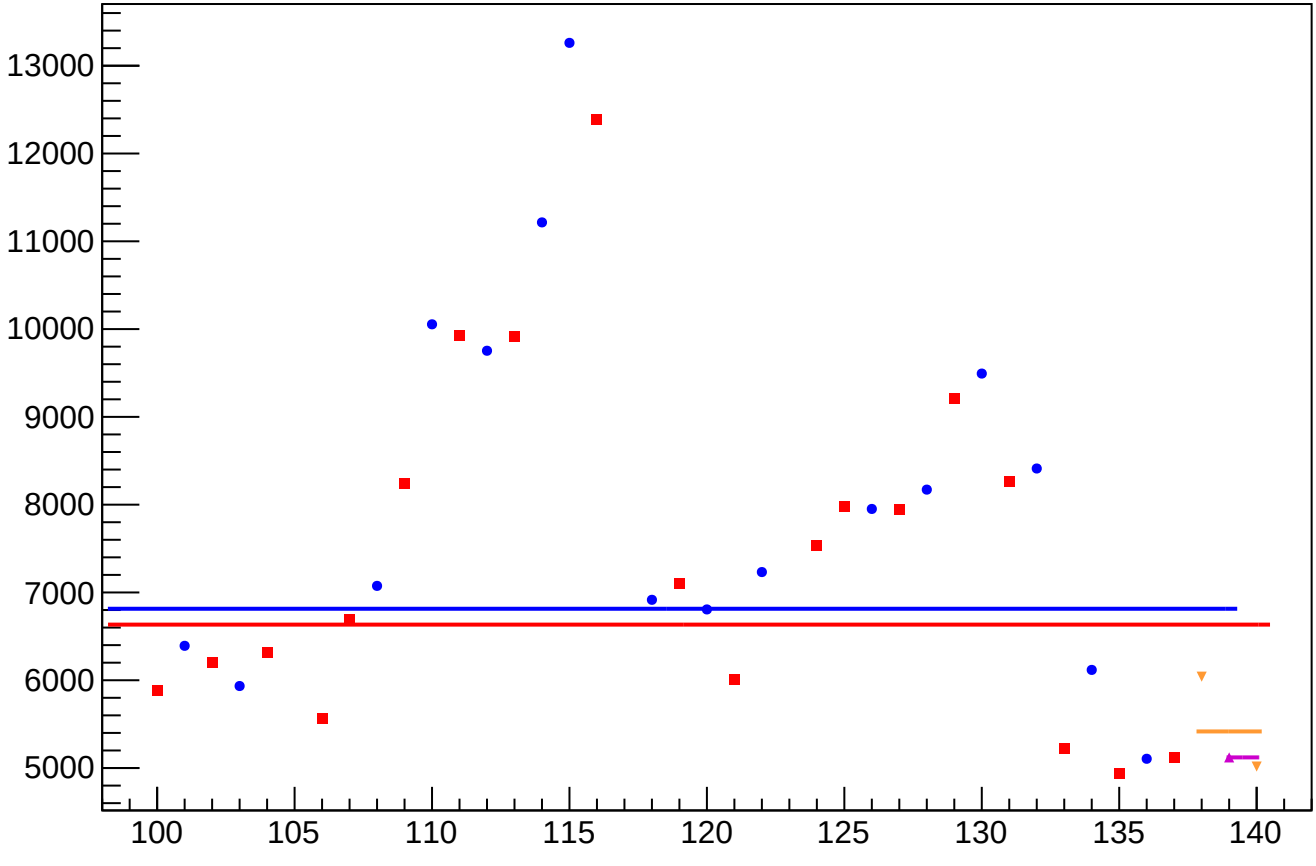
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -4.924+/-2.359 χ^2/NDF:14.3/16

Out: -3.438+/-2.160 χ^2/NDF:24.1/20

All: -4.116+/-1.593 χ^2/NDF: 38.6/37

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5416.856+/-3.027 χ^2/NDF:27238.2/1

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 5121.125+/-3.969 χ^2/NDF:0.0/0

Left: 5308.133+/-2.407 χ^2/NDF: 30748.3/2

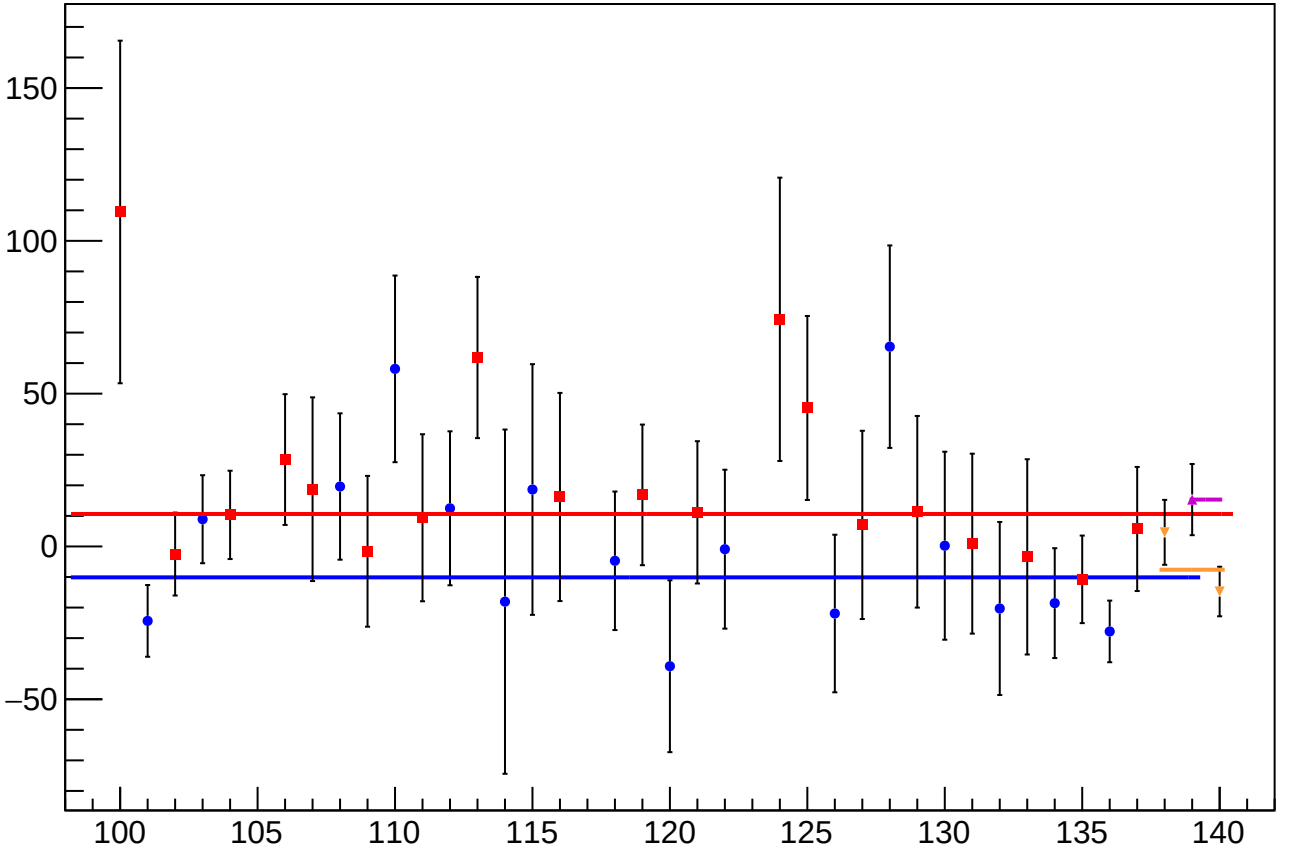
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6515.151+/-1.668 χ^2/NDF:823897.8/16

Out: 6323.797+/-1.527 χ^2/NDF:911062.6/20

All: 6411.046+/-1.127 χ^2/NDF: 1742116.9/37

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -7.617+/-6.445 χ^2/NDF:2.1/1

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 15.338+/-11.650 χ^2/NDF:0.0/0

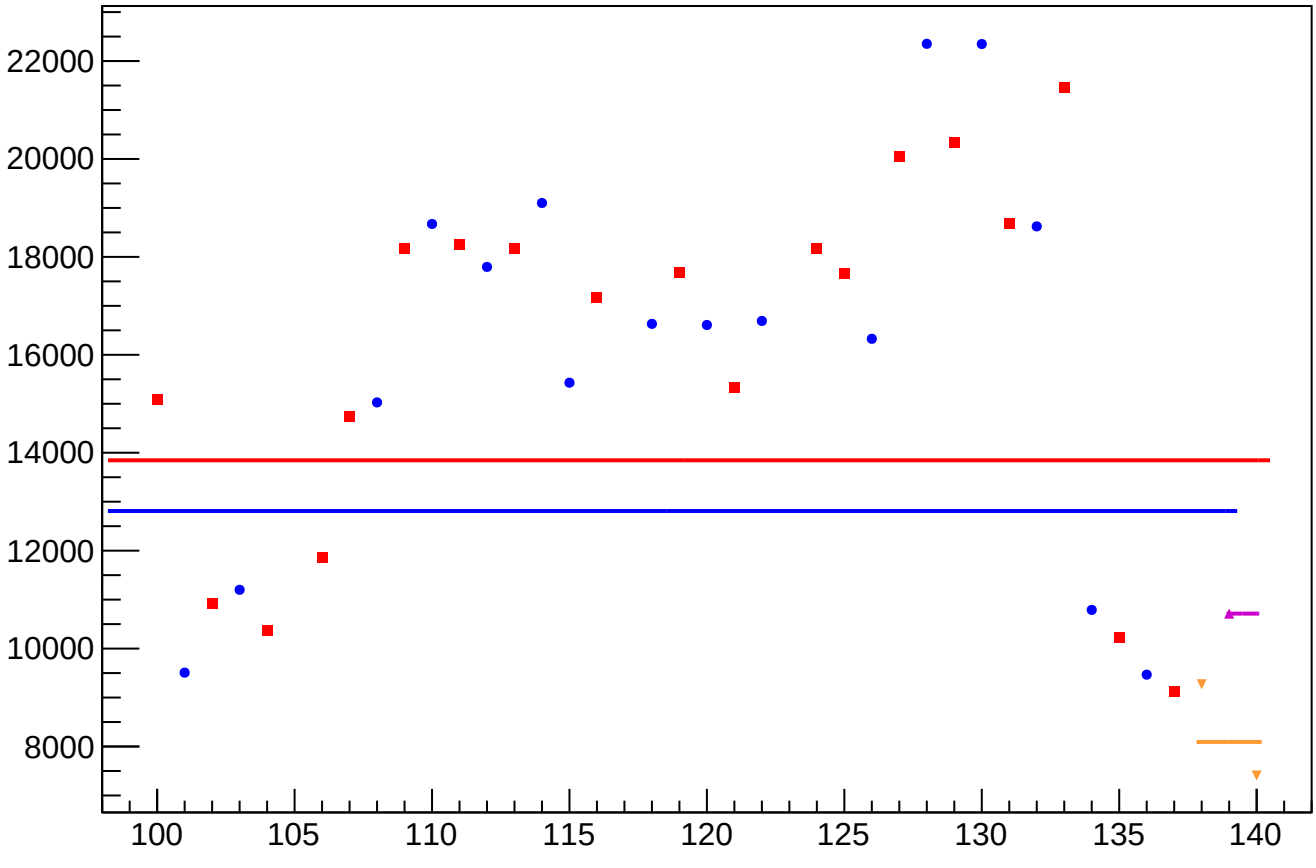
Left: -2.237+/-5.640 χ^2/NDF: 5.1/2

Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -6.131+/-4.608 χ^2/NDF:25.3/16

Out: 3.304+/-4.083 χ^2/NDF:21.6/20

All: -0.845+/-3.056 χ^2/NDF: 49.3/37



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8093.475+/-4.558 χ^2/NDF:38867.7/1

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 10714.444+/-8.238 χ^2/NDF:0.0/0

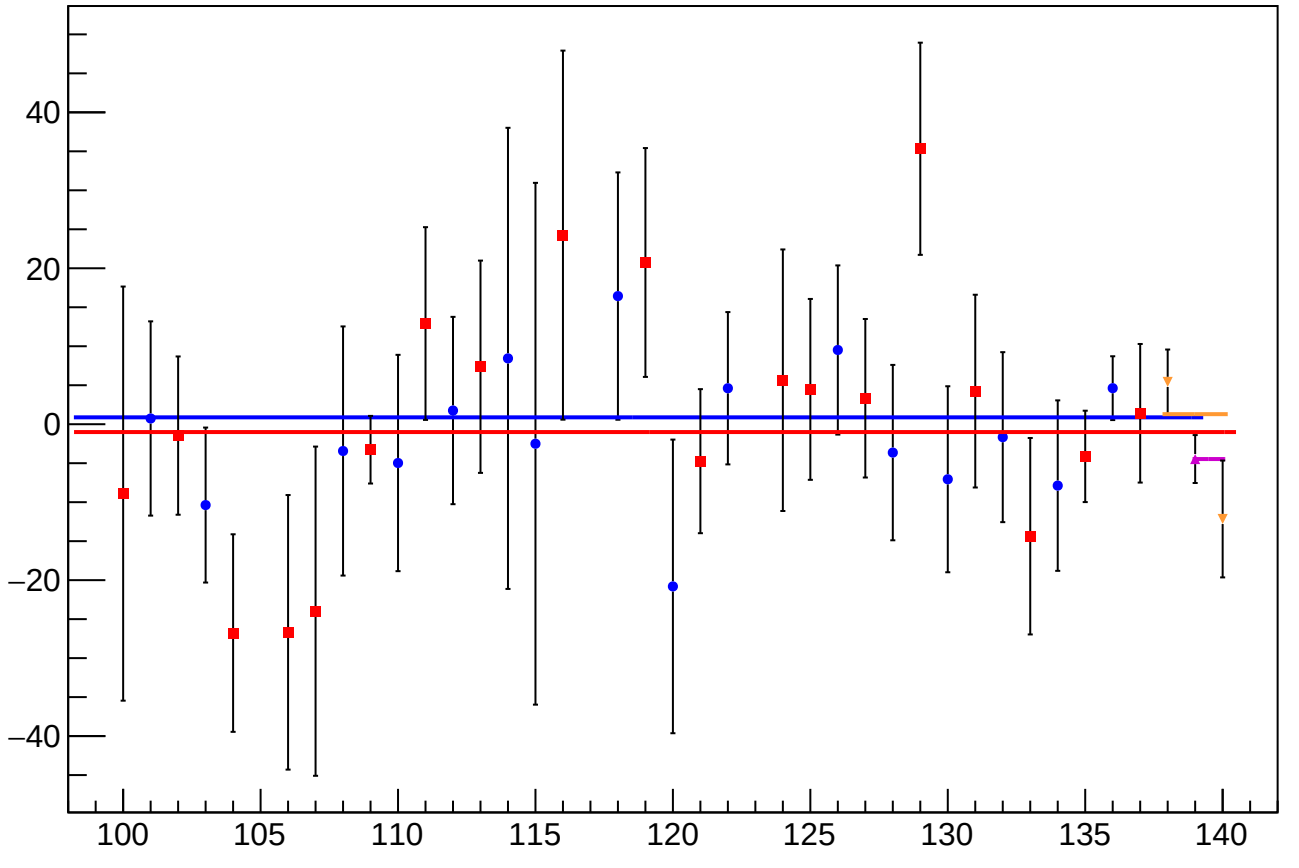
Left: 8707.726+/-3.988 χ^2/NDF: 116373.8/2

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 12482.107+/-3.258 χ^2/NDF:1302837.9/16

Out: 11537.415+/-2.887 χ^2/NDF:2089127.6/20

All: 11952.890+/-2.161 χ^2/NDF: 3439054.4/3



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.290+/-3.633 χ^2/NDF:4.2/1

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -4.467+/-3.073 χ^2/NDF:0.0/0

Left: -2.067+/-2.346 χ^2/NDF: 5.7/2

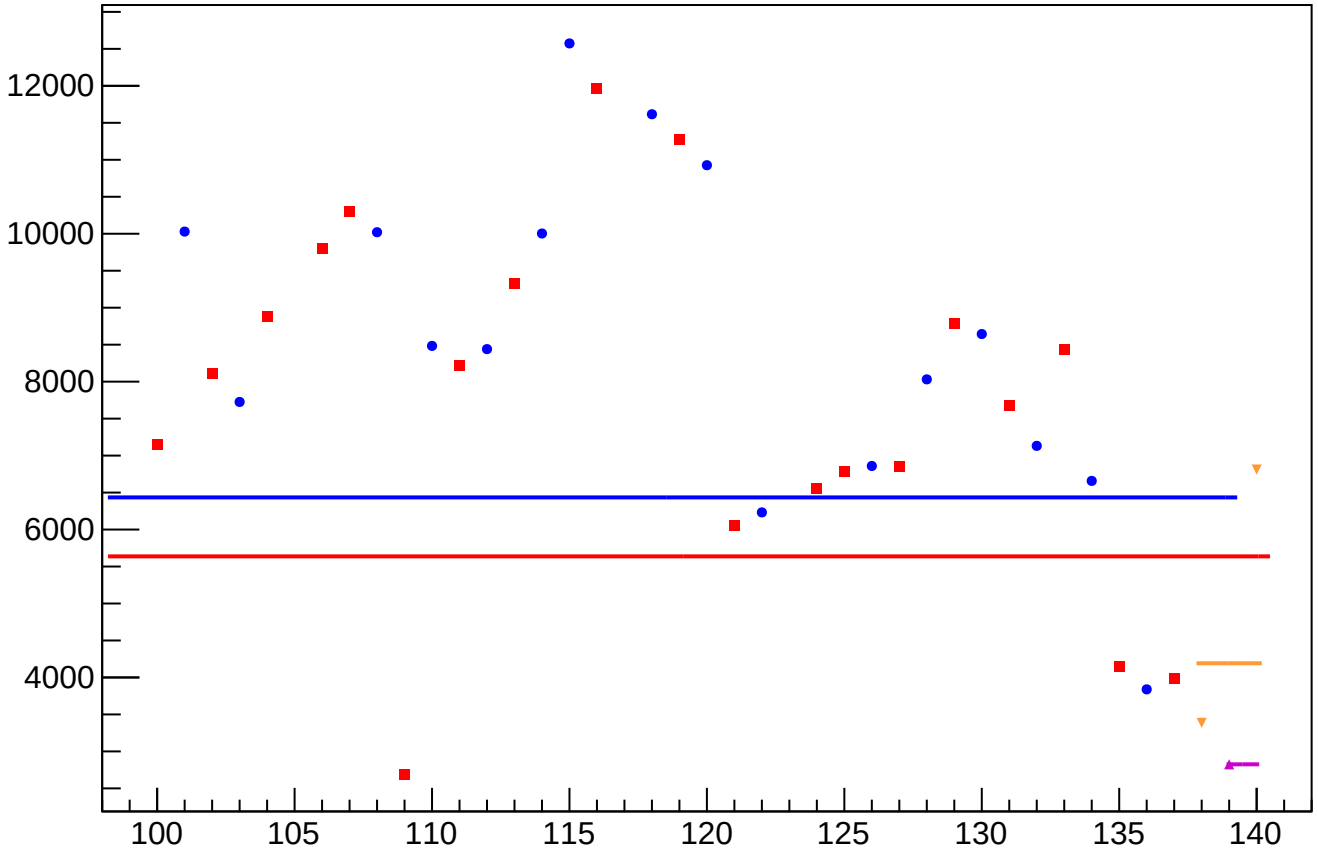
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -1.316+/-1.970 χ^2/NDF:8.6/16

Out: -0.344+/-1.952 χ^2/NDF:26.8/20

All: -0.825+/-1.386 χ^2/NDF: 35.5/37

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 4191.699+/-2.569 χ^2/NDF:319702.5/1

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 2825.352+/-2.173 χ^2/NDF:0.0/0

Left: 3395.019+/-1.659 χ^2/NDF: 484604.4/2

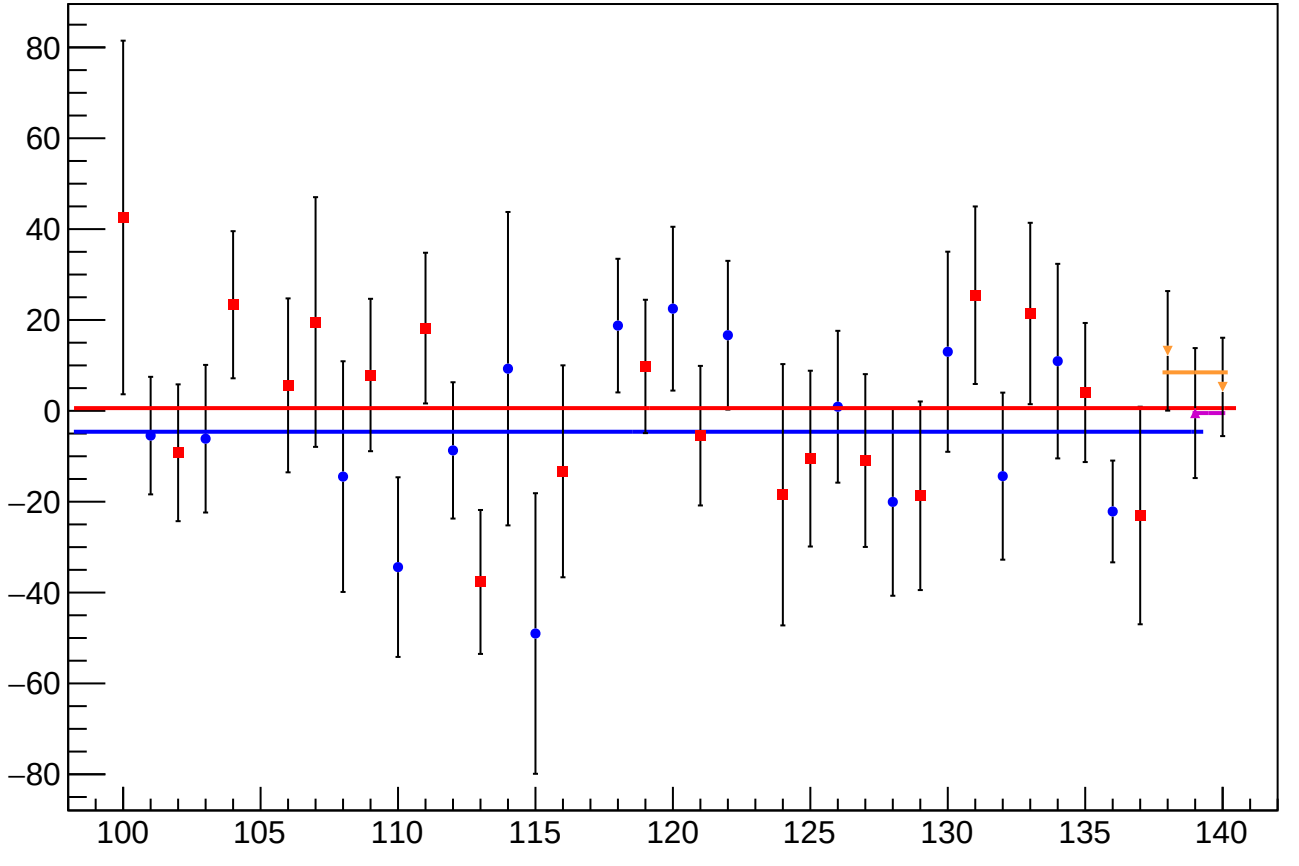
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 4951.527+/-1.393 χ^2/NDF:3376361.8/16

Out: 5220.232+/-1.380 χ^2/NDF:3124963.7/20

All: 5087.099+/-0.980 χ^2/NDF: 6520107.9/37

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 8.470+/-8.360 χ^2/NDF:0.2/1

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -0.492+/-14.306 χ^2/NDF:0.0/0

Left: 6.189+/-7.218 χ^2/NDF: 0.5/2

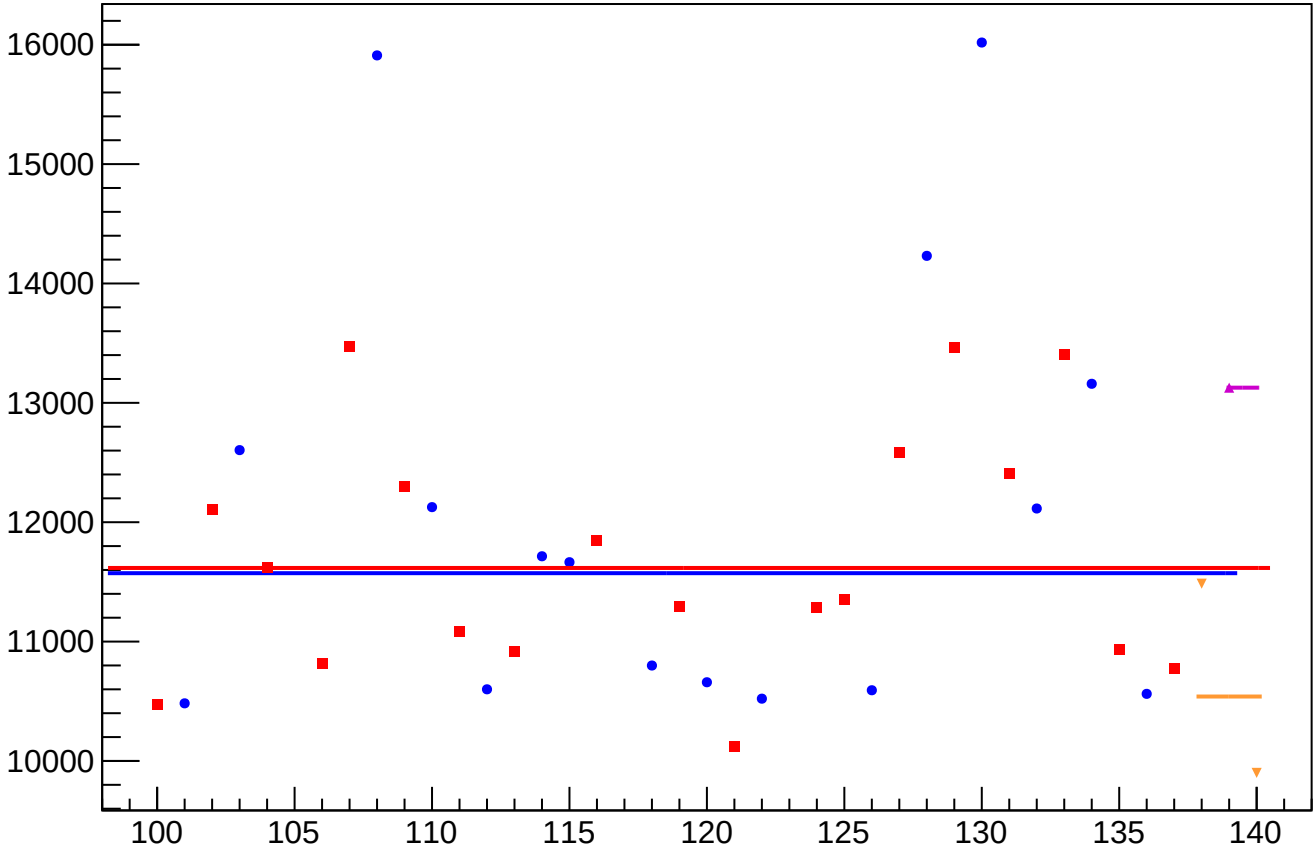
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -4.253+/-4.166 χ^2/NDF:15.9/16

Out: 2.226+/-3.800 χ^2/NDF:18.8/20

All: -0.717+/-2.808 χ^2/NDF: 36.0/37

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 10539.751+/-5.911 χ^2/NDF:17305.8/1

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 13127.142+/-10.116 χ^2/NDF:0.0/0

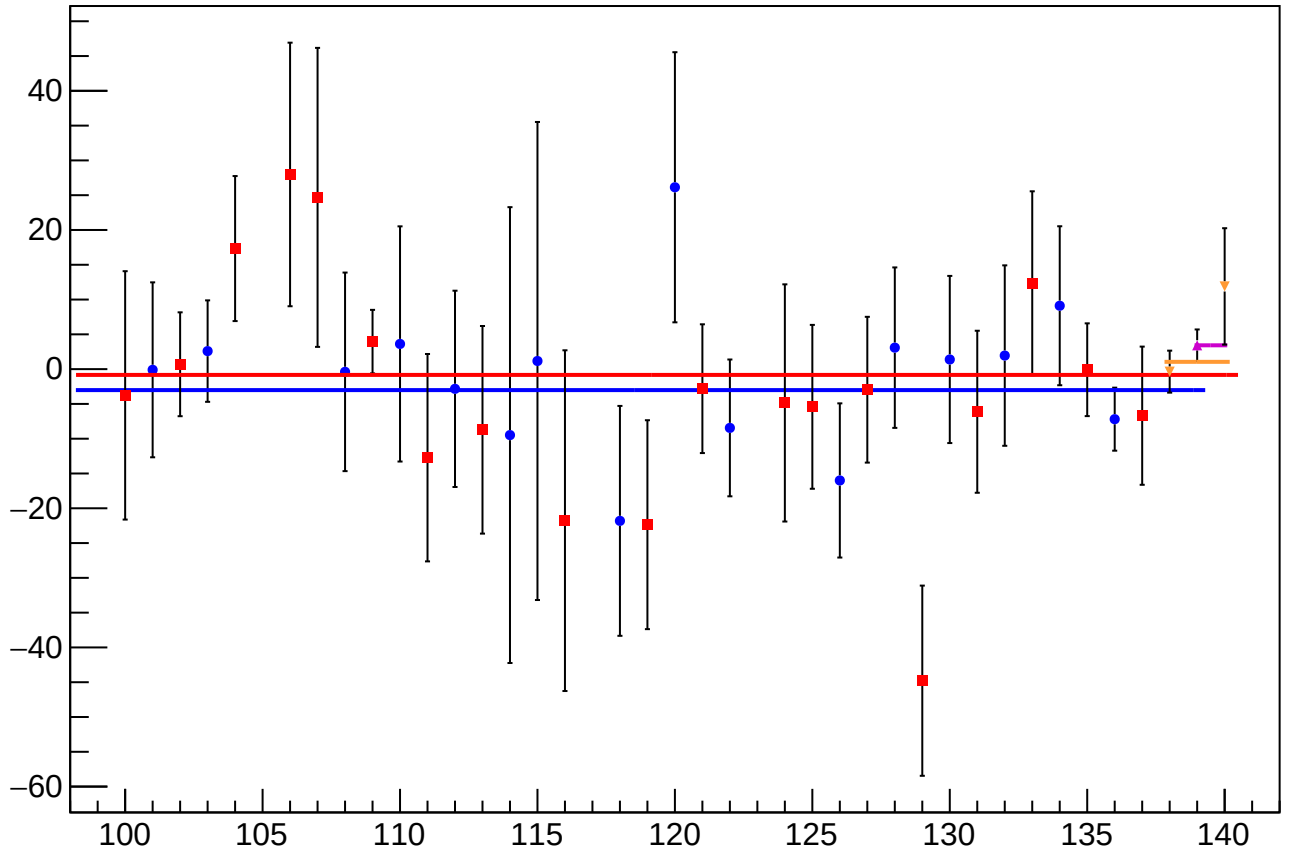
Left: 11198.346+/-5.104 χ^2/NDF: 66073.3/2

Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11704.855+/-2.946 χ^2/NDF:281666.3/16

Out: 11394.210+/-2.687 χ^2/NDF:136808.3/20

All: 11535.298+/-1.985 χ^2/NDF: 424544.4/37



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: 1.048+/-2.838 χ^2/NDF:1.9/1

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 3.423+/-2.280 χ^2/NDF:0.0/0

Left: 2.492+/-1.778 χ^2/NDF: 2.3/2

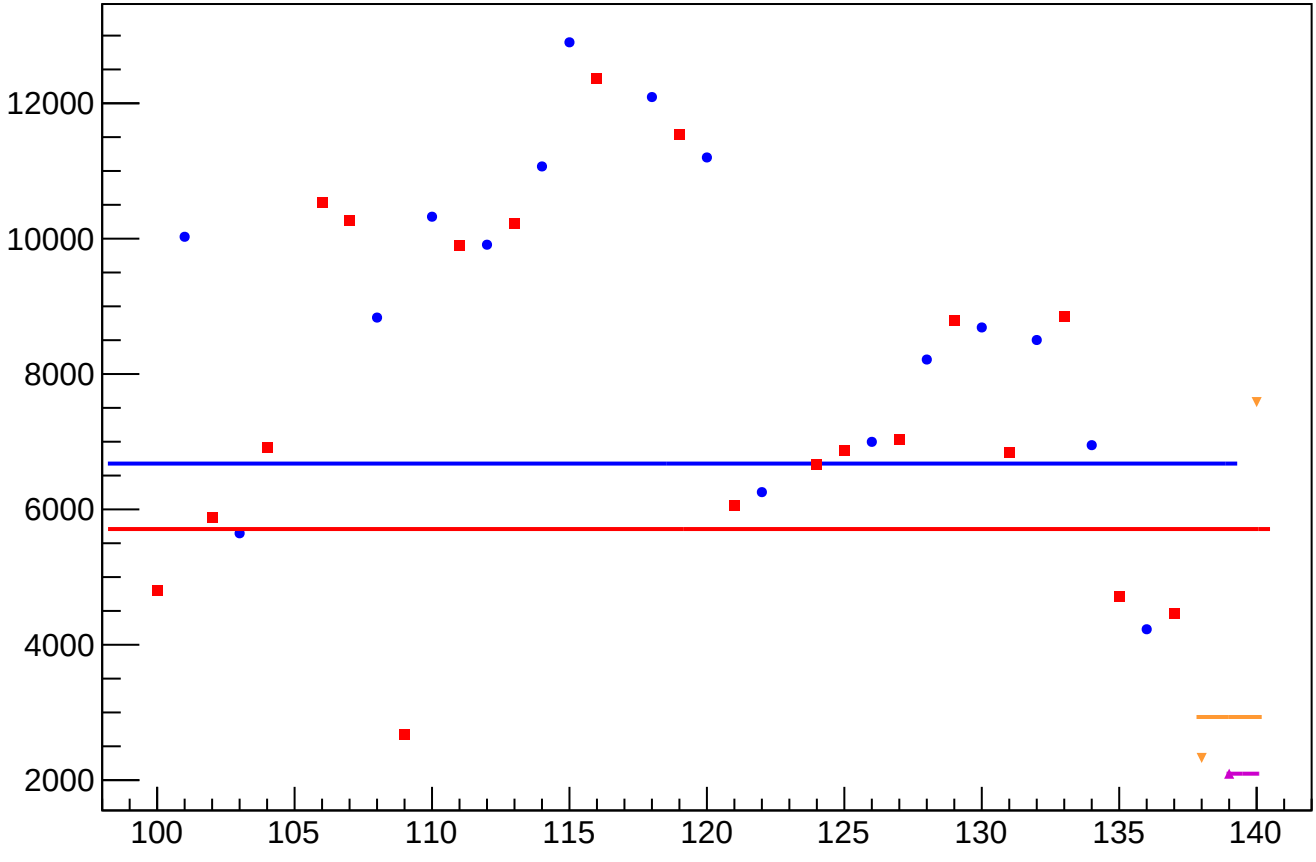
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.689+/-1.729 χ^2/NDF:12.0/16

Out: -0.066+/-1.811 χ^2/NDF:26.0/20

All: 0.329+/-1.251 χ^2/NDF: 38.1/37

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 2932.841+/-2.007 χ^2/NDF:698712.4/1

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 2095.309+/-1.612 χ^2/NDF:0.0/0

Left: 2423.779+/-1.257 χ^2/NDF: 804546.5/2

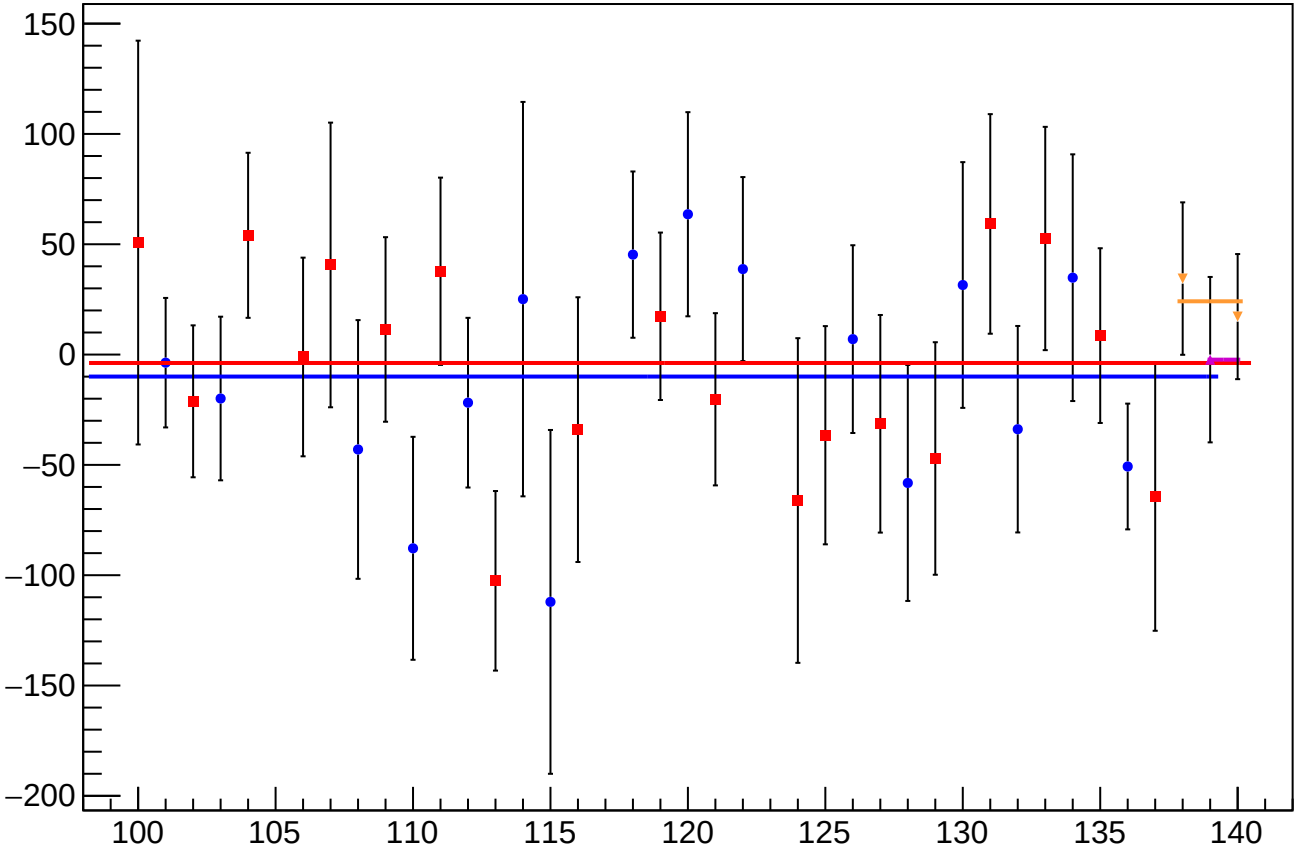
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4040.919+/-1.223 χ^2/NDF:5002143.2/16

Out: 4579.568+/-1.280 χ^2/NDF:4134886.8/20

All: 4297.865+/-0.884 χ^2/NDF: 9229573.9/37

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 24.144+/-21.917 χ^2/NDF:0.1/1

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -2.307+/-37.488 χ^2/NDF:0.0/0

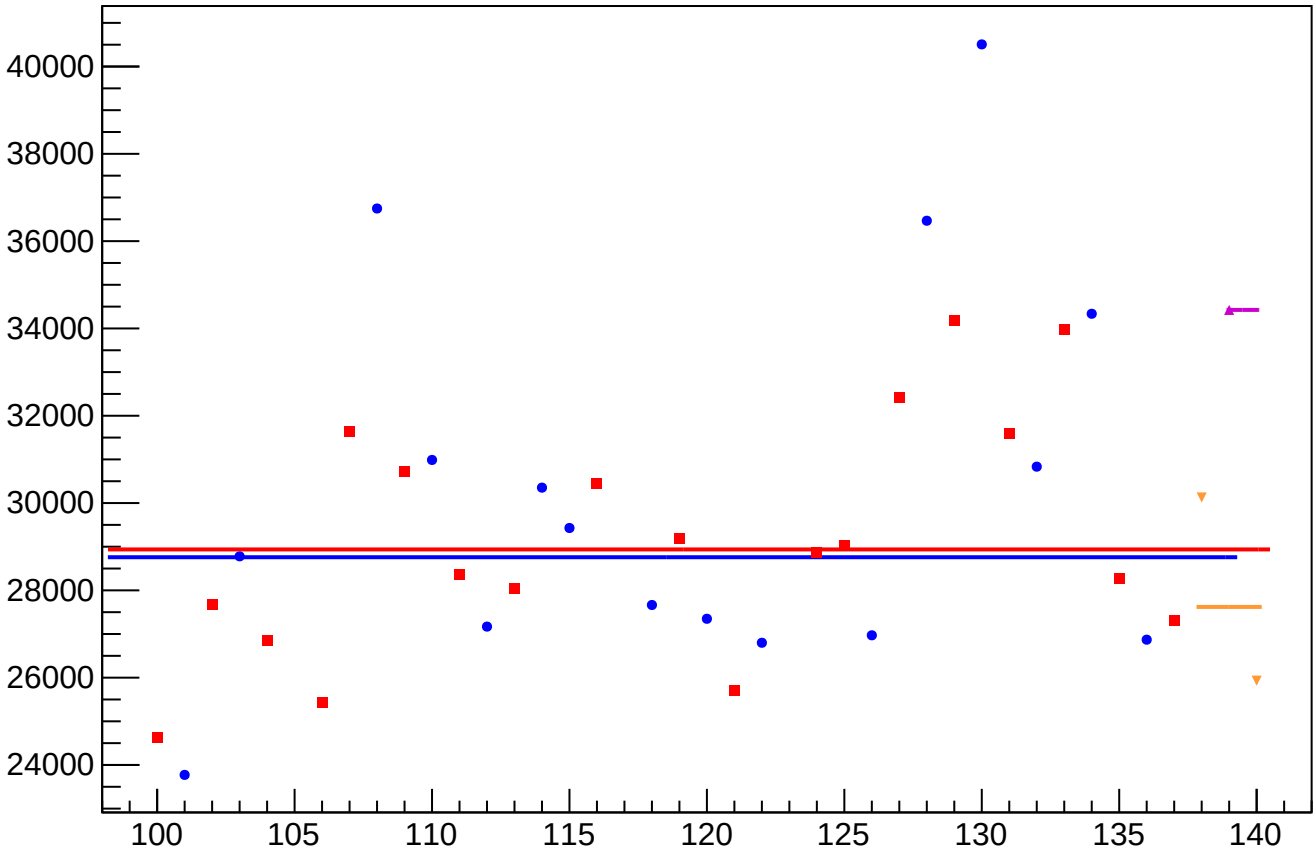
Left: 17.406+/-18.921 χ^2/NDF: 0.5/2

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -9.378+/-10.410 χ^2/NDF:15.3/16

Out: 1.516+/-9.569 χ^2/NDF:18.8/20

All: -3.474+/-7.045 χ^2/NDF: 34.7/37



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27620.247+/-15.498 χ^2/NDF:17634.8/1

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 34424.624+/-26.508 χ^2/NDF:0.0/0

Left: 29353.577+/-13.379 χ^2/NDF: 66741.0/2

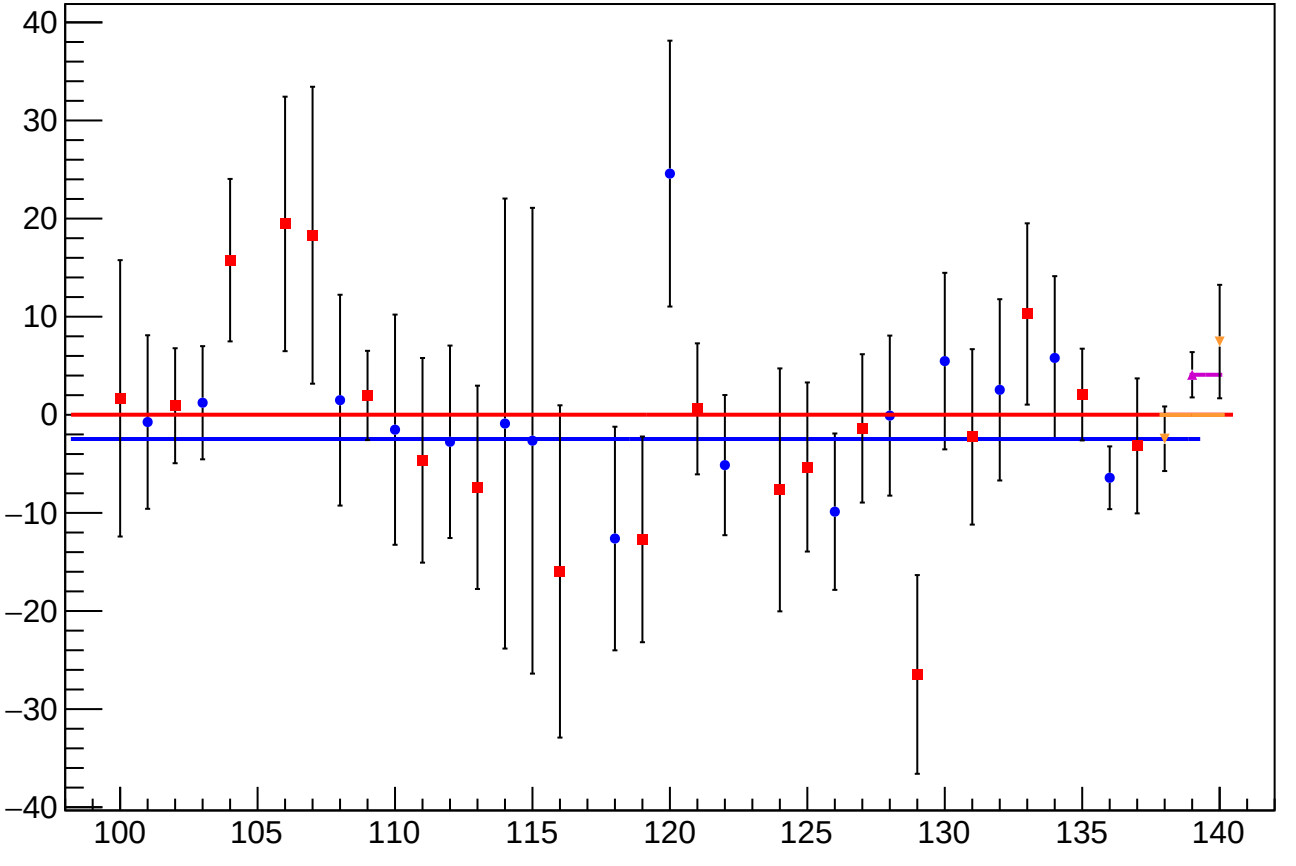
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29195.976+/-7.361 χ^2/NDF:319797.9/16

Out: 28686.515+/-6.766 χ^2/NDF:129749.3/20

All: 28919.835+/-4.981 χ^2/NDF: 452143.5/37

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.016+/-2.861 χ^2/NDF:2.2/1

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 4.080+/-2.309 χ^2/NDF:0.0/0

Left: 2.465+/-1.797 χ^2/NDF: 3.5/2

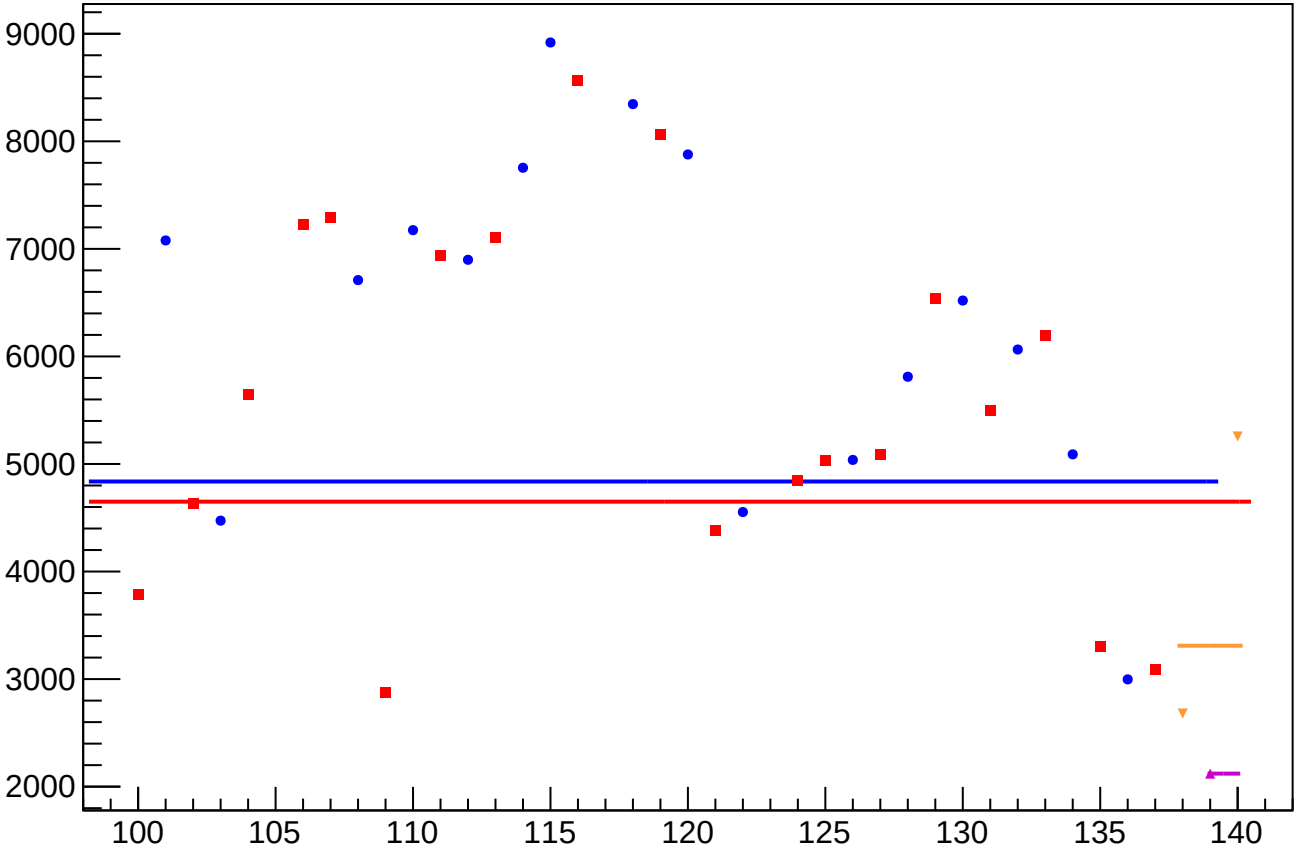
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.202+/-1.474 χ^2/NDF:14.8/16

Out: 0.002+/-1.541 χ^2/NDF:22.2/20

All: 0.106+/-1.065 χ^2/NDF: 37.0/37

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 3310.346+/-2.023 χ^2/NDF:299680.5/1

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 2121.146+/-1.633 χ^2/NDF:0.0/0

Left: 2590.110+/-1.271 χ^2/NDF: 508924.8/2

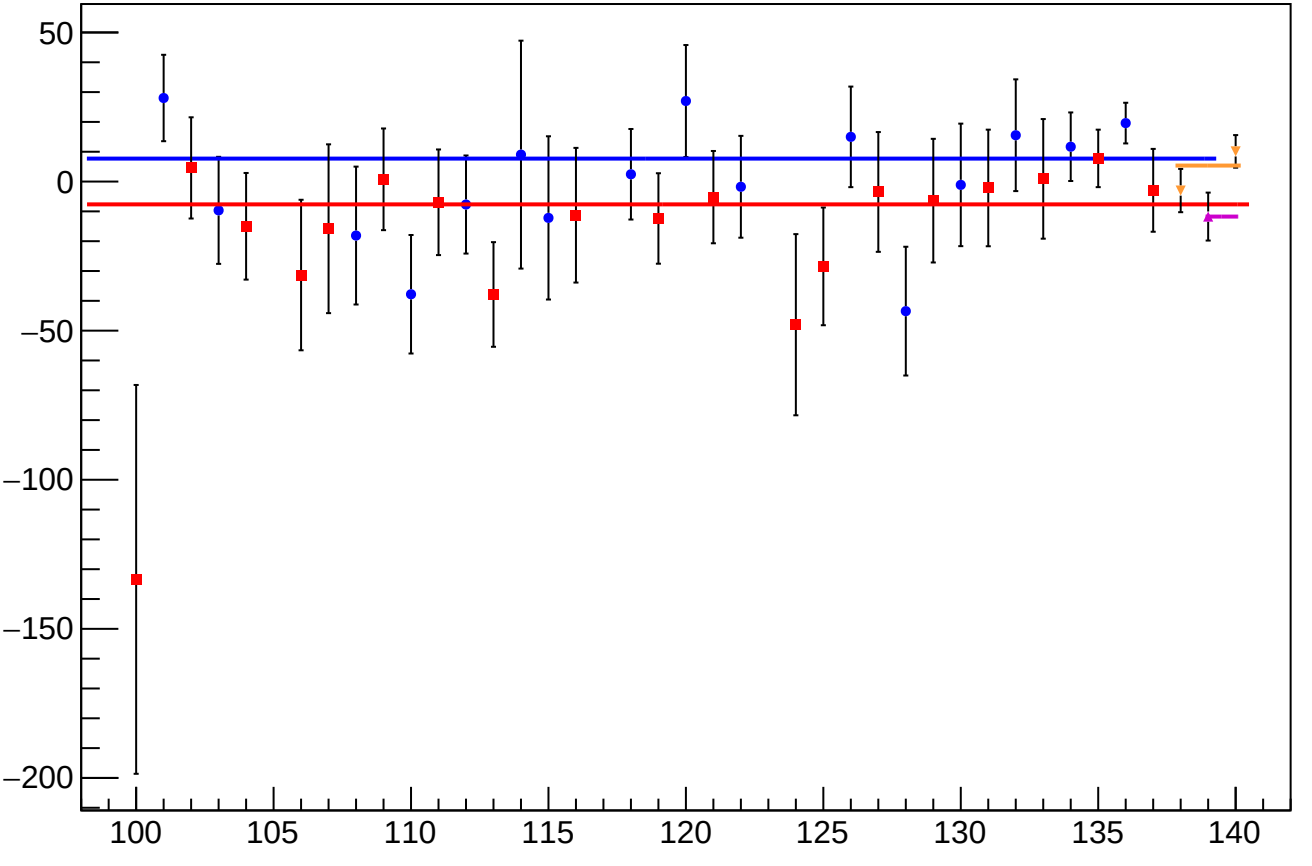
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 3729.764+/-1.042 χ^2/NDF:3187023.7/16

Out: 4261.370+/-1.089 χ^2/NDF:2045389.0/20

All: 3983.886+/-0.753 χ^2/NDF: 5356725.8/37

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 5.364+/-4.366 χ^2/NDF:2.1/1

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -11.744+/-8.040 χ^2/NDF:0.0/0

Left: 1.468+/-3.837 χ^2/NDF: 5.6/2

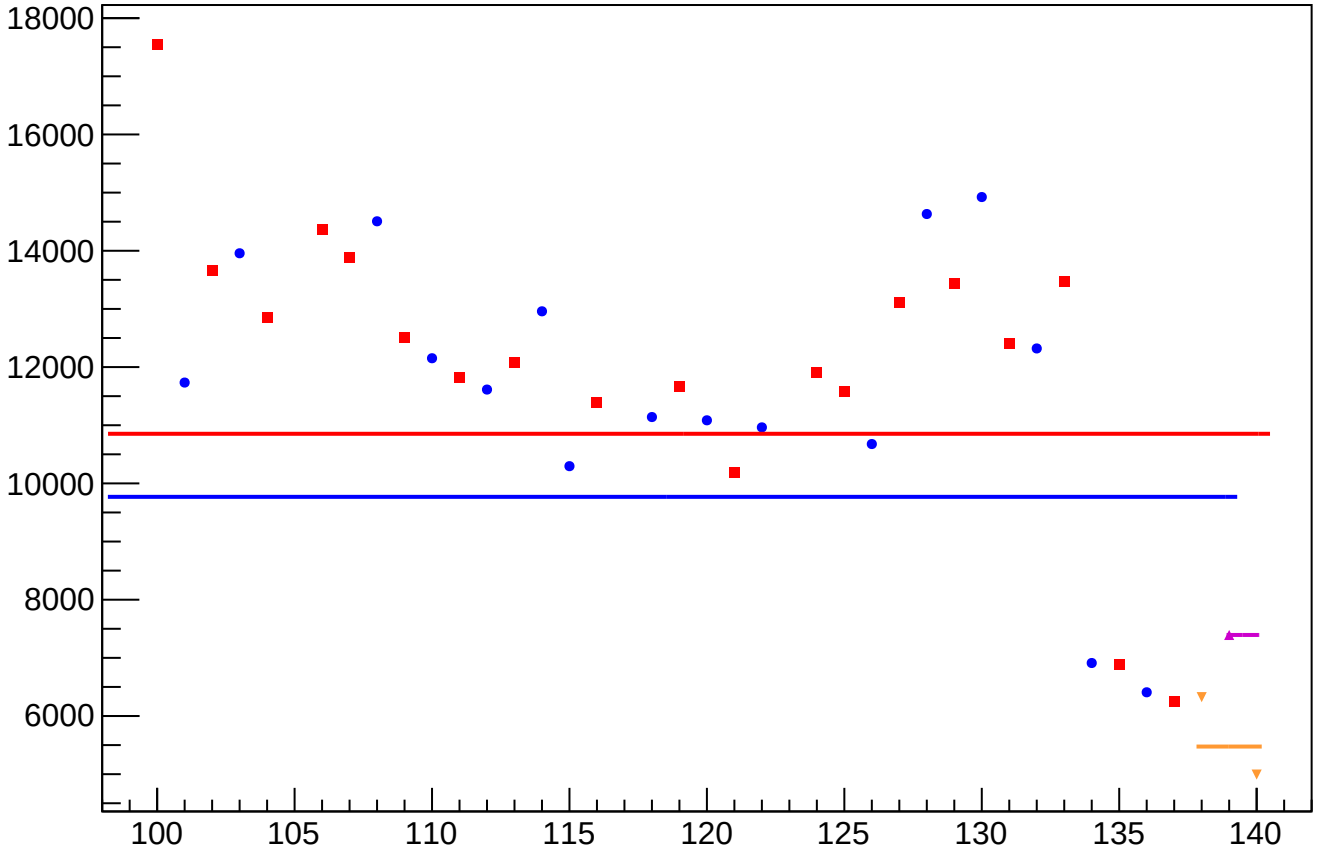
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 4.118+/-3.450 χ^2/NDF:26.4/16

Out: -1.553+/-2.988 χ^2/NDF:21.4/20

All: 0.878+/-2.259 χ^2/NDF: 49.3/37

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5474.895+/-3.087 χ^2/NDF:42939.7/1

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 7393.772+/-5.685 χ^2/NDF:0.0/0

Left: 5911.900+/-2.713 χ^2/NDF: 130927.3/2

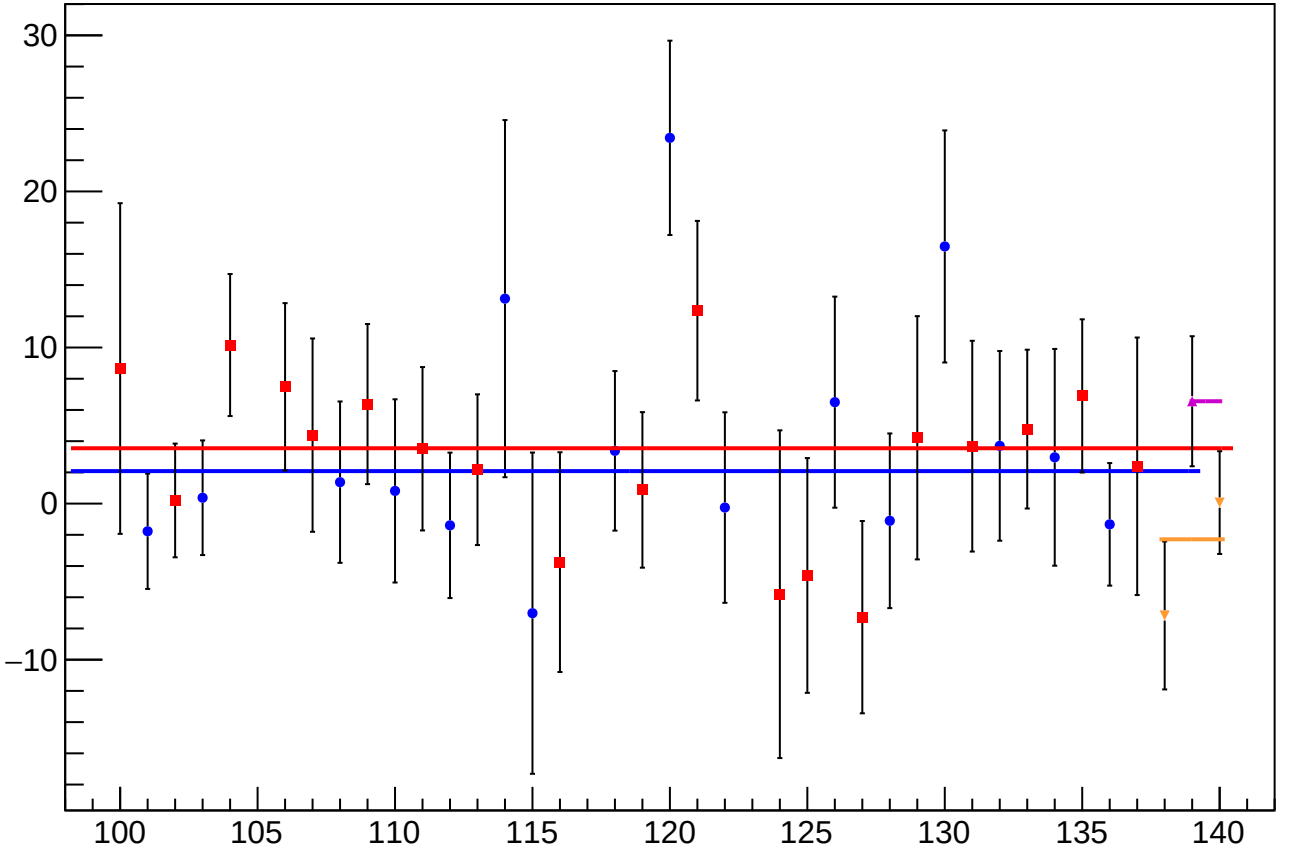
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 9331.378+/-2.440 χ^2/NDF:1356088.7/16

Out: 8333.185+/-2.113 χ^2/NDF:2530394.9/20

All: 8761.063+/-1.597 χ^2/NDF: 3982133.1/37

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.287+/-2.703 χ^2/NDF:1.6/1

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 6.558+/-4.166 χ^2/NDF:0.0/0

Left: 0.333+/-2.268 χ^2/NDF: 4.7/2

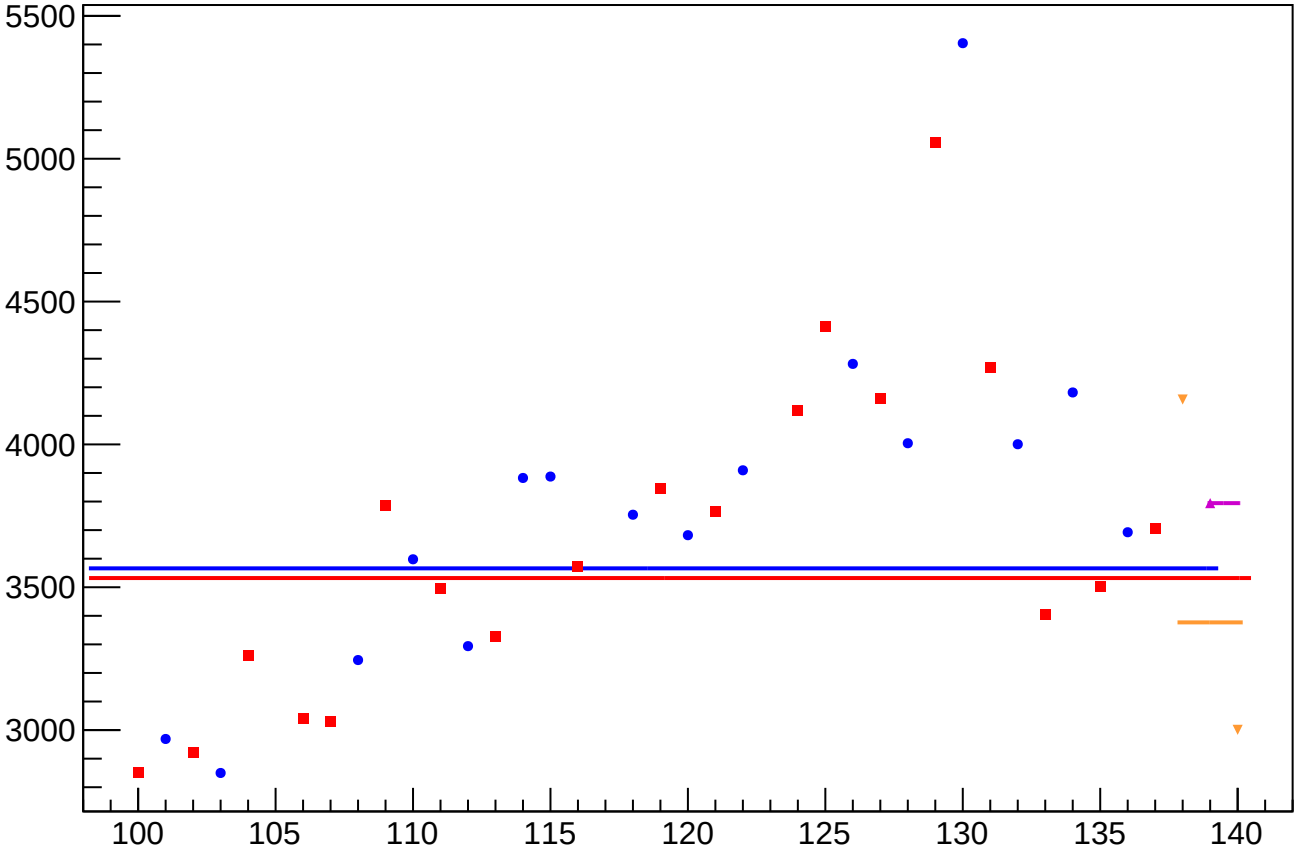
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.505+/-1.280 χ^2/NDF:22.0/16

Out: 2.445+/-1.175 χ^2/NDF:18.8/20

All: 2.472+/-0.866 χ^2/NDF: 40.8/37

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3376.987+/-1.911 χ^2/NDF:80304.5/1

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 3794.424+/-2.946 χ^2/NDF:0.0/0

Left: 3500.663+/-1.603 χ^2/NDF: 94434.9/2

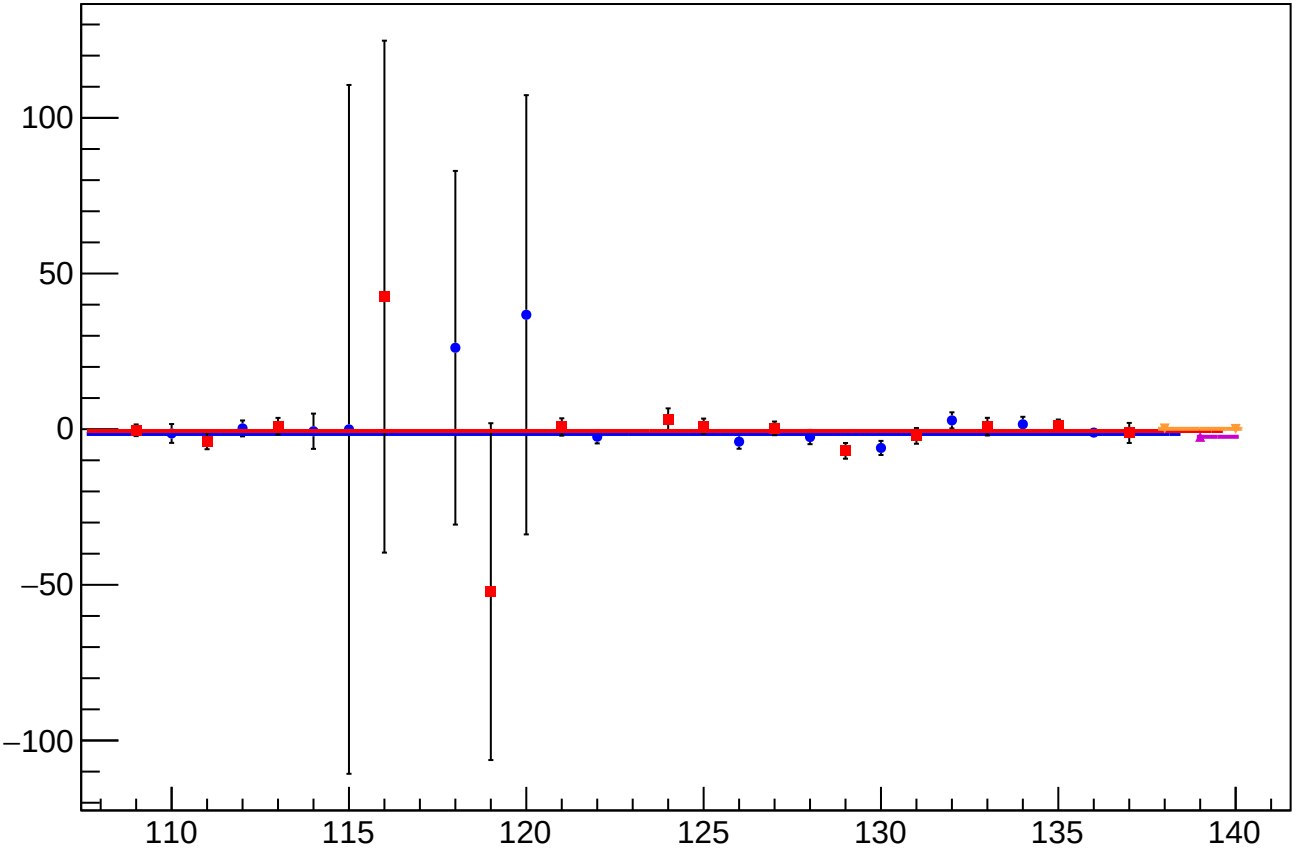
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3587.706+/-0.905 χ^2/NDF:346543.1/16

Out: 3502.884+/-0.831 χ^2/NDF:364345.5/20

All: 3541.653+/-0.612 χ^2/NDF: 715655.3/37

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: 0.117+/-0.846 χ^2/NDF:0.0/1

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -2.446+/-1.330 χ^2/NDF:0.0/0

Left: -0.621+/-0.714 χ^2/NDF: 2.6/2

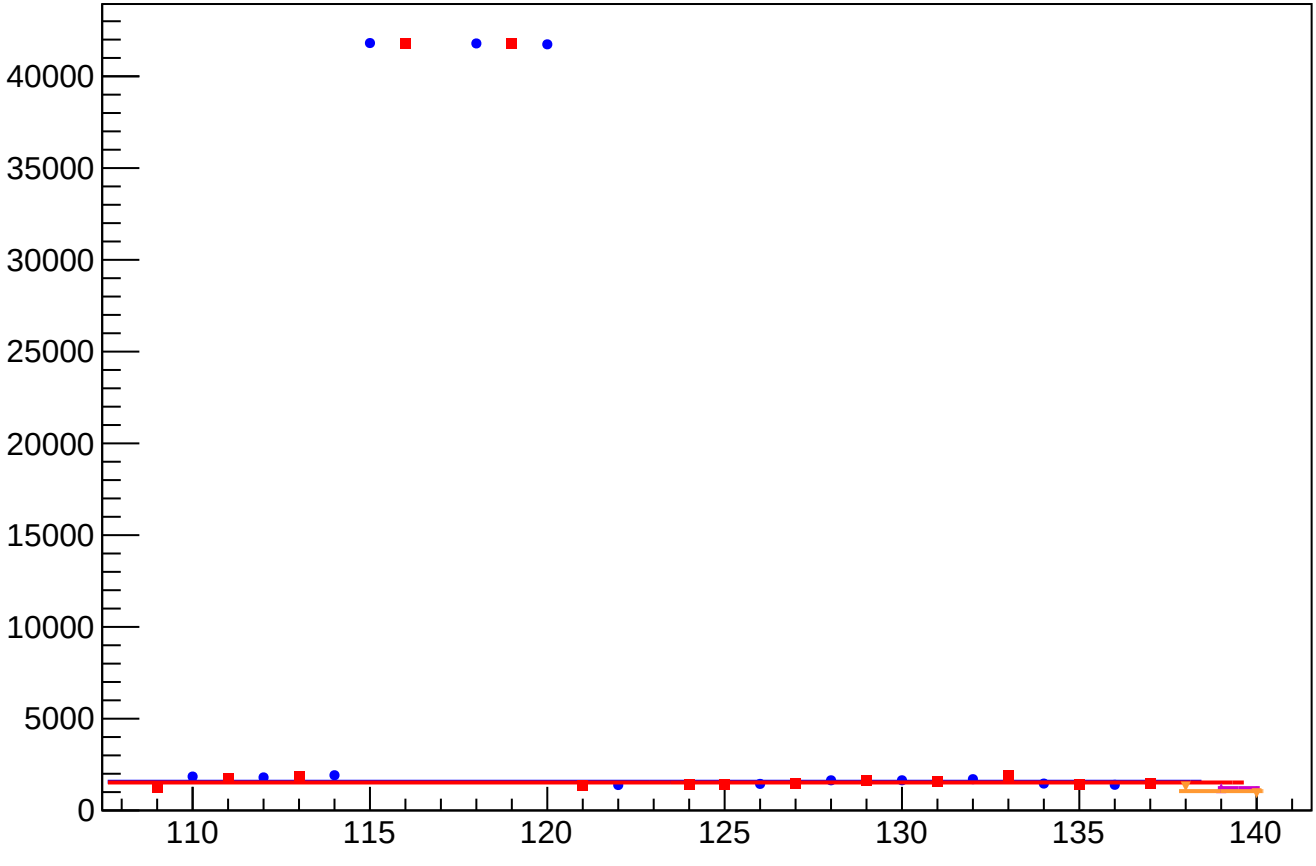
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -1.748+/-0.642 χ^2/NDF:11.4/13

Out: -0.293+/-0.547 χ^2/NDF:13.1/15

All: -0.905+/-0.416 χ^2/NDF: 27.5/29

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1053.955+/-0.598 χ^2/NDF:81963.0/1

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1217.000+/-0.941 χ^2/NDF:0.0/0

Left: 1100.869+/-0.505 χ^2/NDF: 103360.3/2

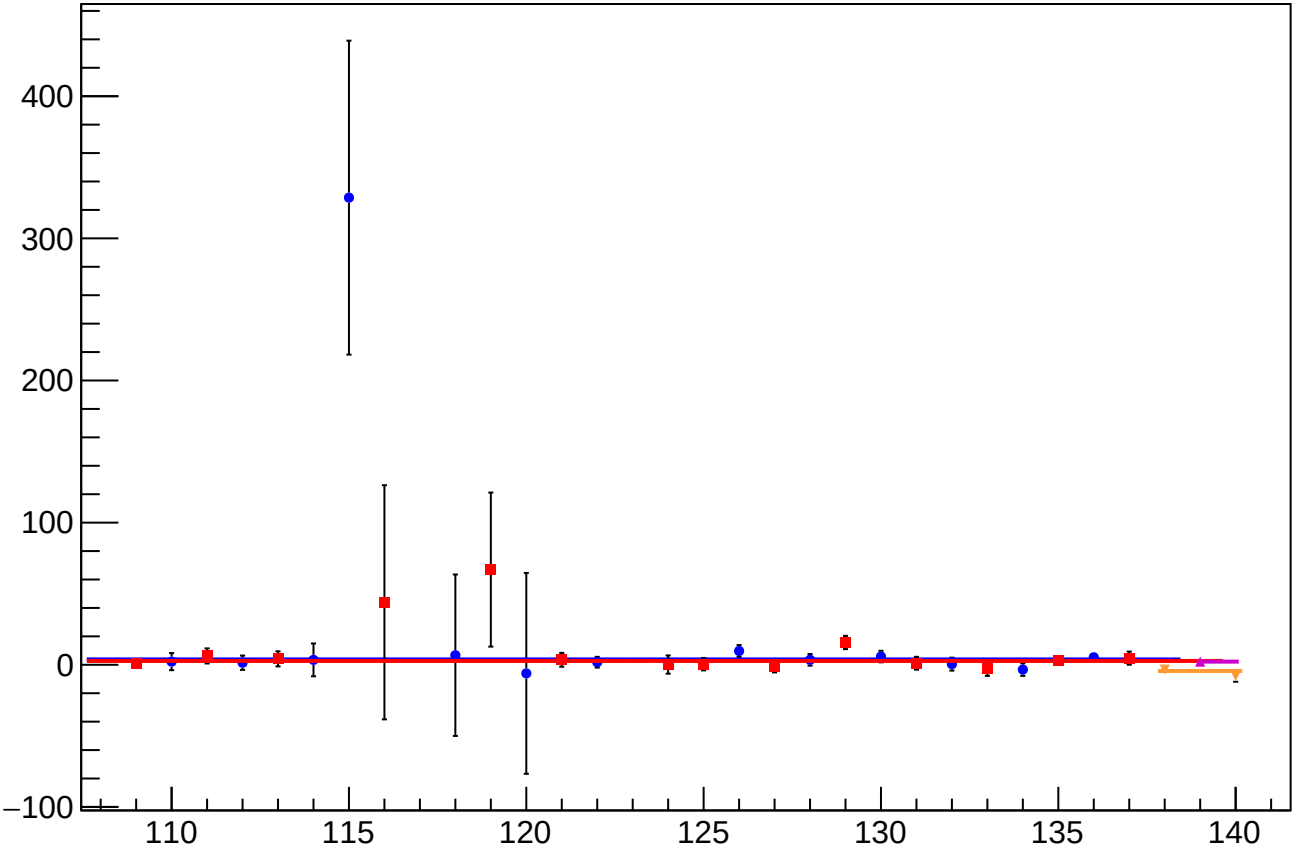
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1483.472+/-0.454 χ^2/NDF:2121576.8/13

Out: 1327.169+/-0.387 χ^2/NDF:2180625.6/15

All: 1392.920+/-0.294 χ^2/NDF: 4370923.5/29

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -4.374+/-1.852 χ^2/NDF:1.1/1

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 2.230+/-2.114 χ^2/NDF:0.0/0

Left: -1.506+/-1.393 χ^2/NDF: 6.6/2

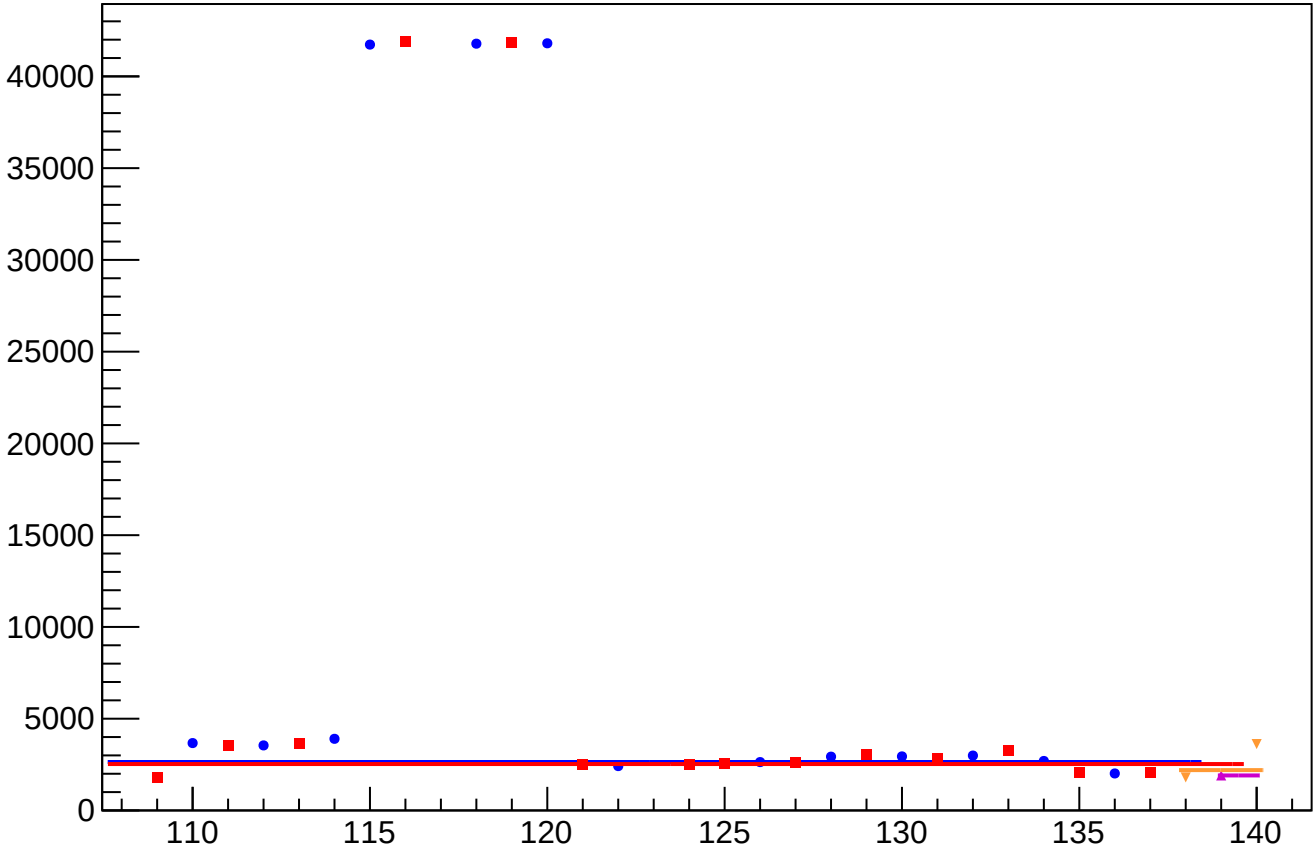
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 3.377+/-1.075 χ^2/NDF:15.6/13

Out: 0.588+/-1.014 χ^2/NDF:24.9/15

All: 1.901+/-0.737 χ^2/NDF: 44.0/29

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 2198.139+/-1.310 χ^2/NDF:328789.6/1

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 1907.998+/-1.495 χ^2/NDF:0.0/0

Left: 2072.134+/-0.985 χ^2/NDF: 350099.7/2

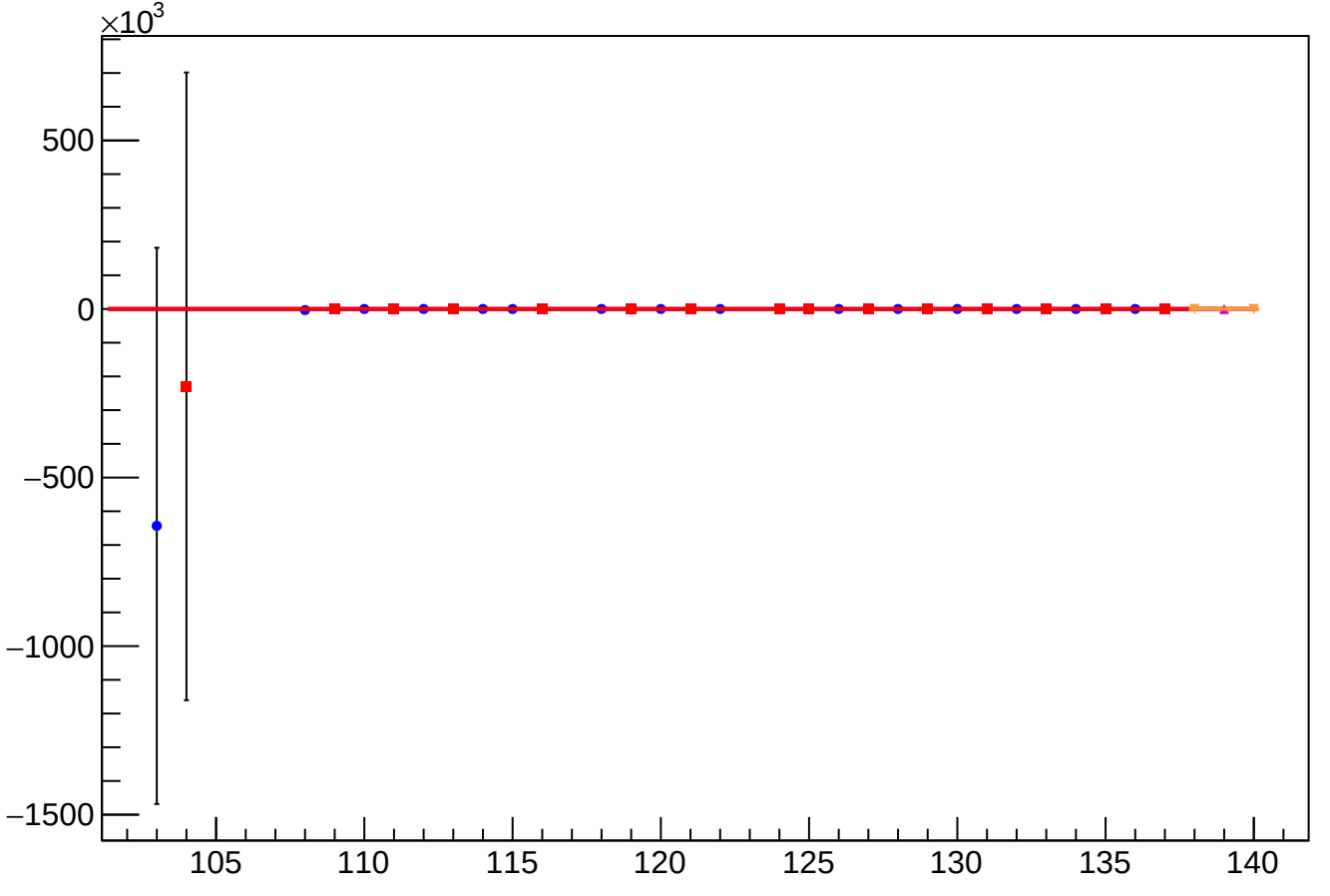
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2450.718+/-0.760 χ^2/NDF:2351152.6/13

Out: 2429.951+/-0.717 χ^2/NDF:2323426.7/15

All: 2439.725+/-0.521 χ^2/NDF: 4674974.4/29

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.147+/-1.184 χ^2/NDF:1.4/1

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 1.958+/-2.118 χ^2/NDF:0.0/0

Left: -0.407+/-1.034 χ^2/NDF: 3.1/2

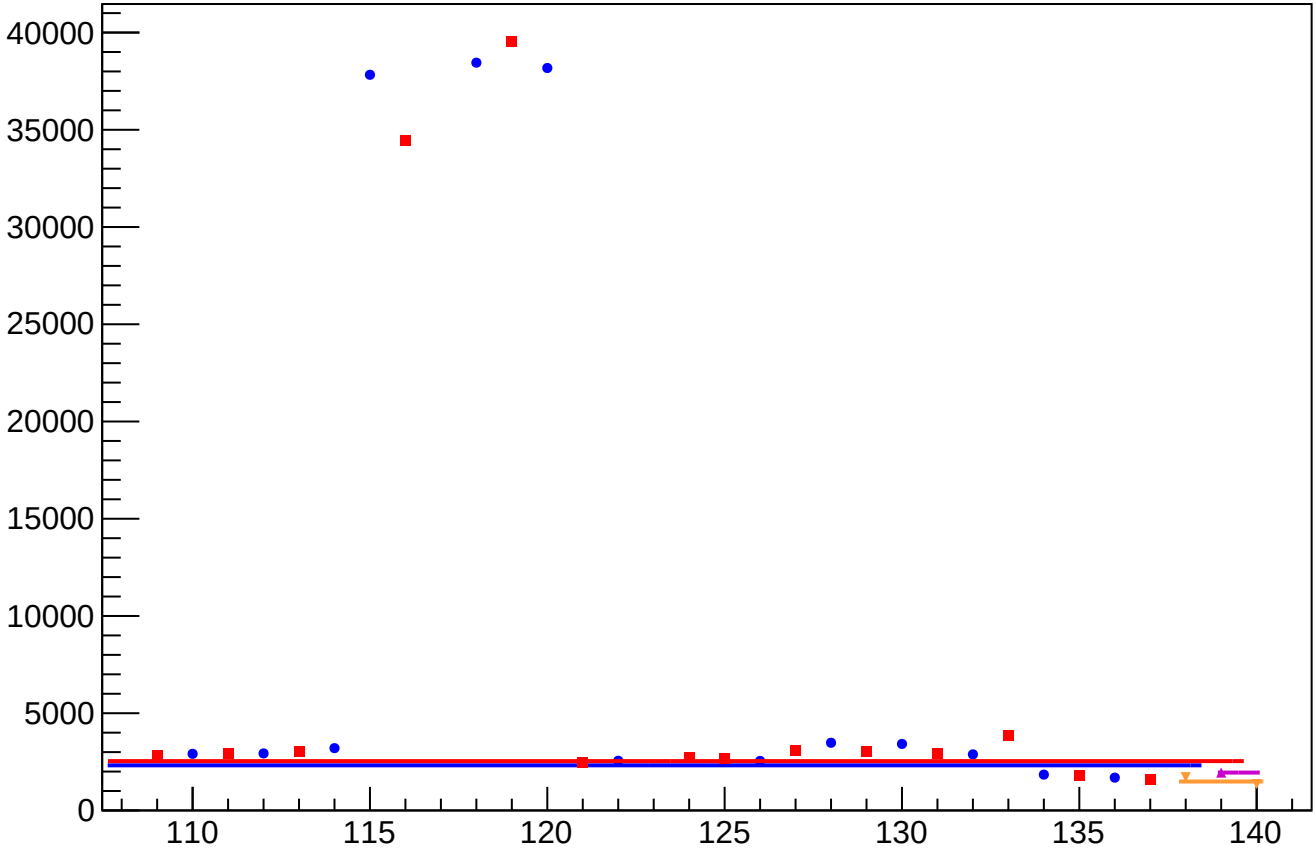
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.516+/-0.994 χ^2/NDF:20.5/15

Out: 0.719+/-0.847 χ^2/NDF:21.0/16

All: 0.199+/-0.644 χ^2/NDF: 42.4/32

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1487.963+/-0.837 χ^2/NDF:40708.7/1

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1948.115+/-1.498 χ^2/NDF:0.0/0

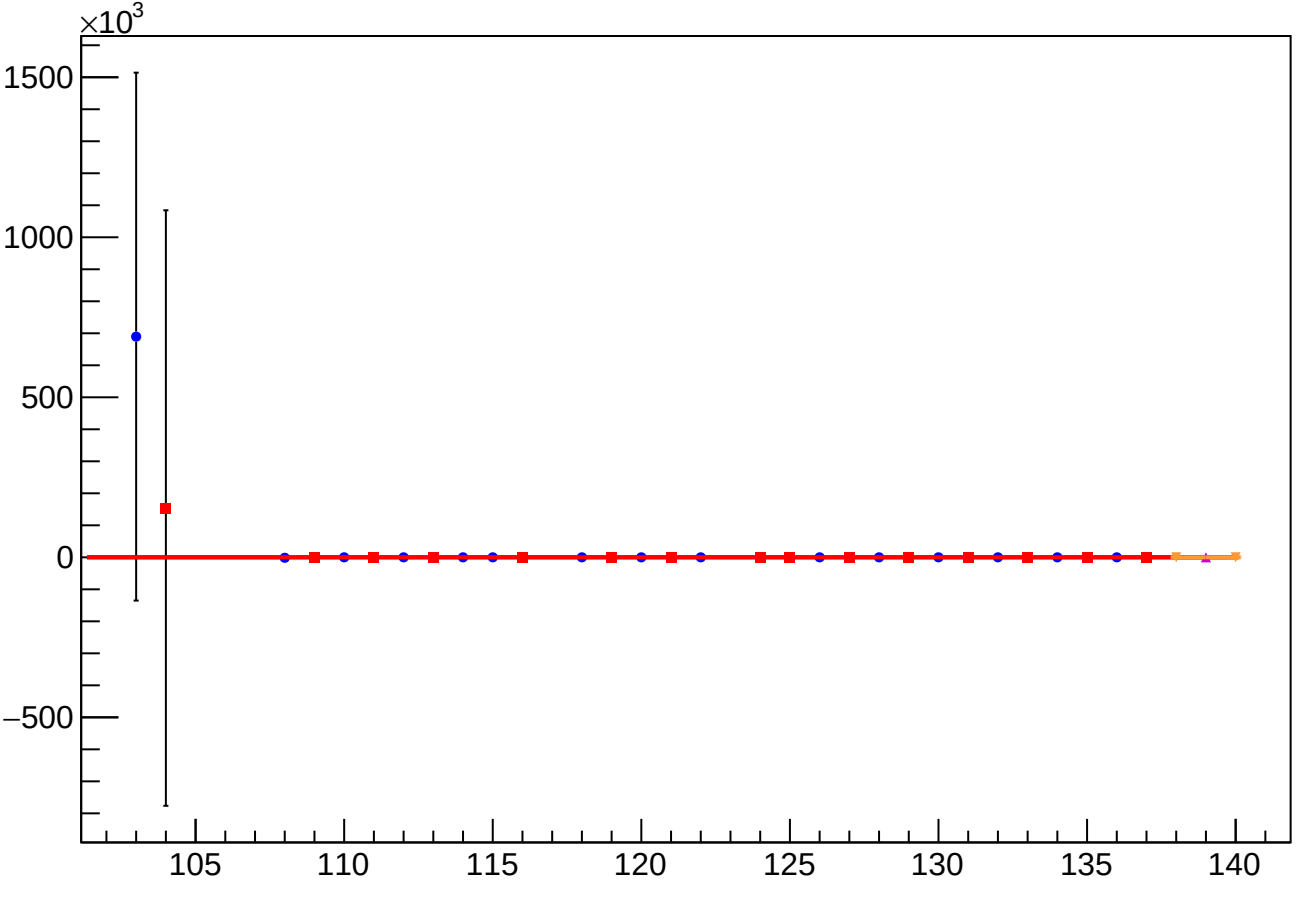
Left: 1597.554+/-0.731 χ^2/NDF: 112630.8/2

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 2238.481+/-0.703 χ^2/NDF:2509648.0/13

Out: 2000.986+/-0.599 χ^2/NDF:2846874.2/15

All: 2100.883+/-0.456 χ^2/NDF: 5422707.9/29



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -3.437+/-1.355 χ^2/NDF:0.3/1

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.568+/-1.195 χ^2/NDF:0.0/0

Left: -1.822+/-0.896 χ^2/NDF: 2.9/2

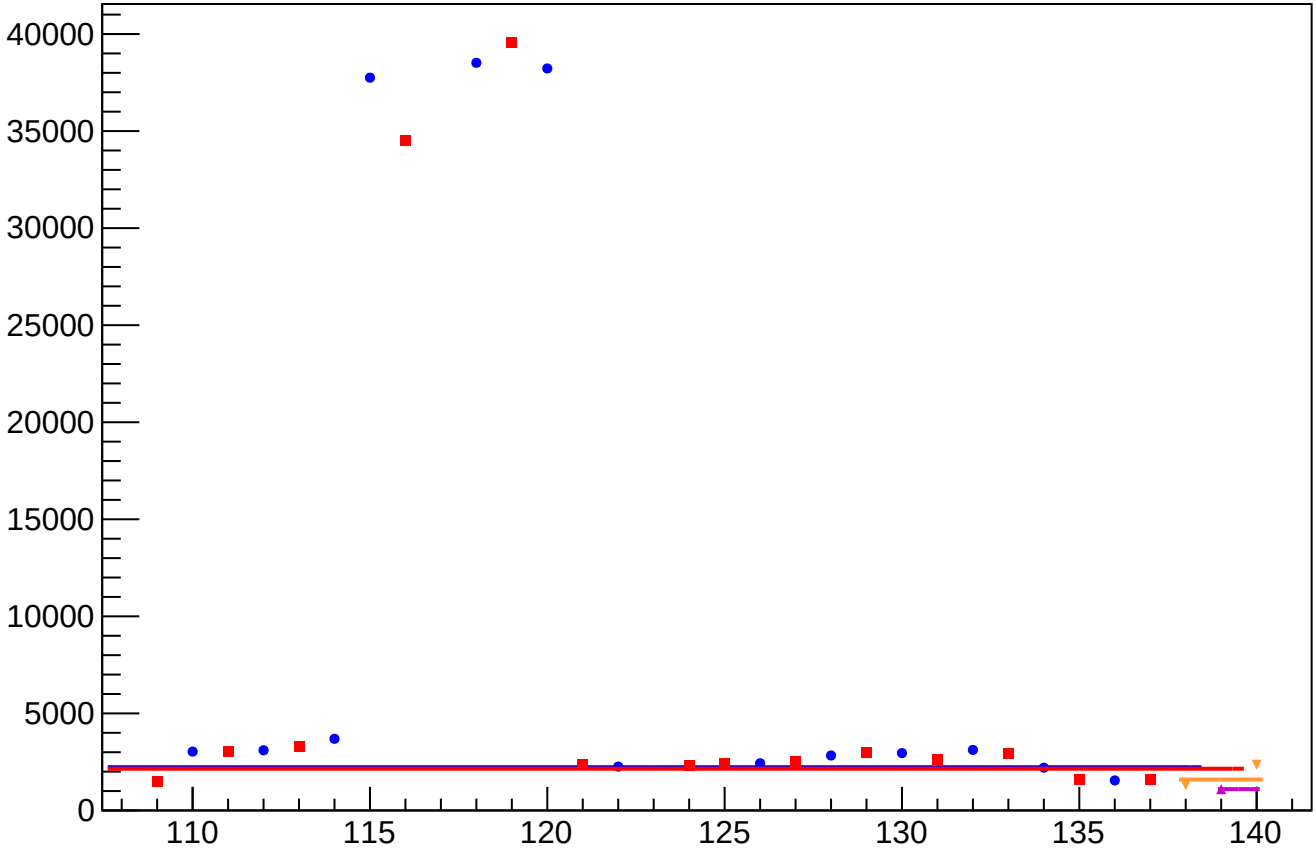
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.688+/-0.800 χ^2/NDF:7.0/15

Out: -0.110+/-0.831 χ^2/NDF:25.3/16

All: 0.304+/-0.576 χ^2/NDF: 32.8/32

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 1593.707+/-0.958 χ^2/NDF:237536.4/1

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1098.824+/-0.845 χ^2/NDF:0.0/0

Left: 1315.209+/-0.634 χ^2/NDF: 387637.3/2

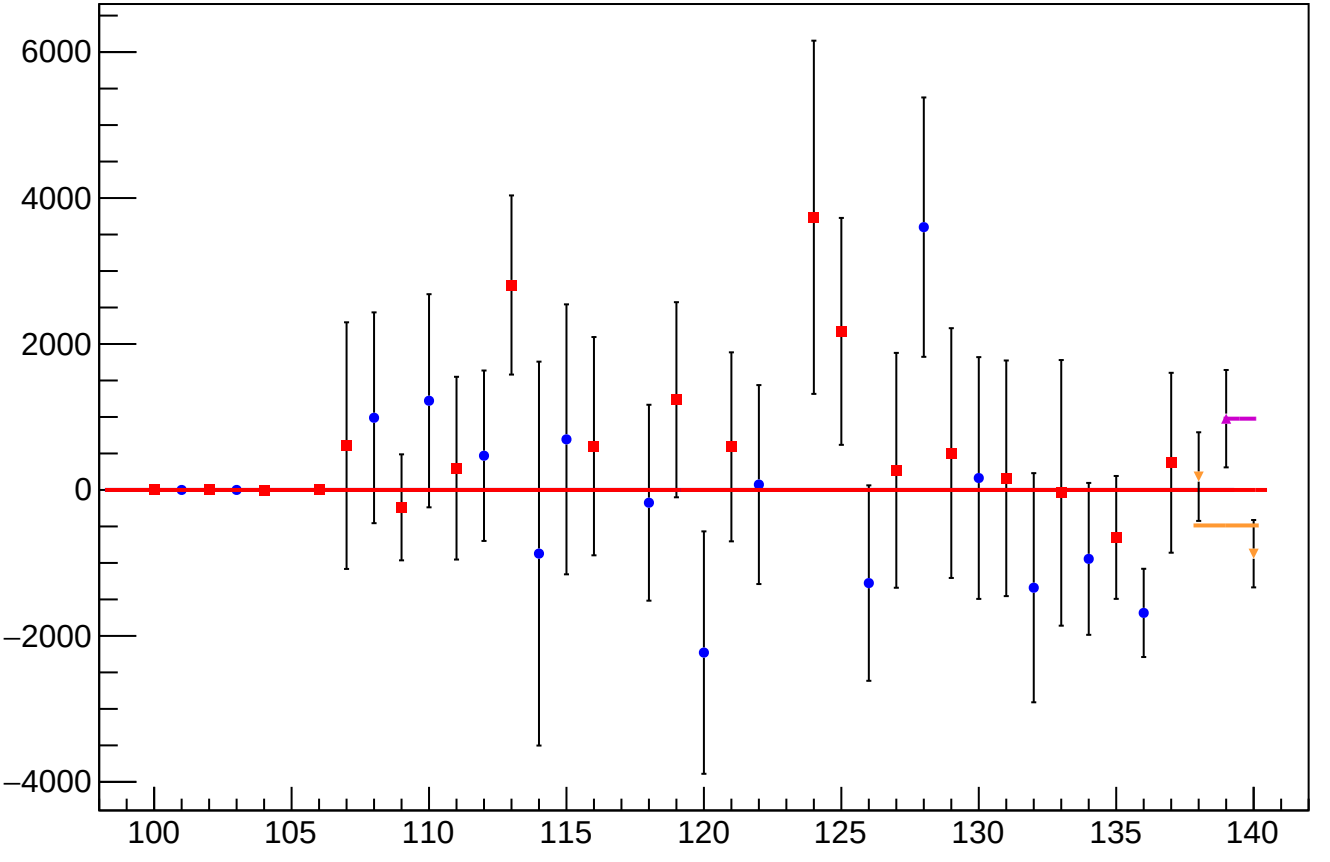
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1721.406+/-0.565 χ^2/NDF:3506763.2/13

Out: 1941.408+/-0.588 χ^2/NDF:2679830.8/15

All: 1827.194+/-0.407 χ^2/NDF: 6259392.1/29

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -486.351+/-367.545 χ^2/NDF:1.9/1

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 976.759+/-667.207 χ^2/NDF:0.0/0

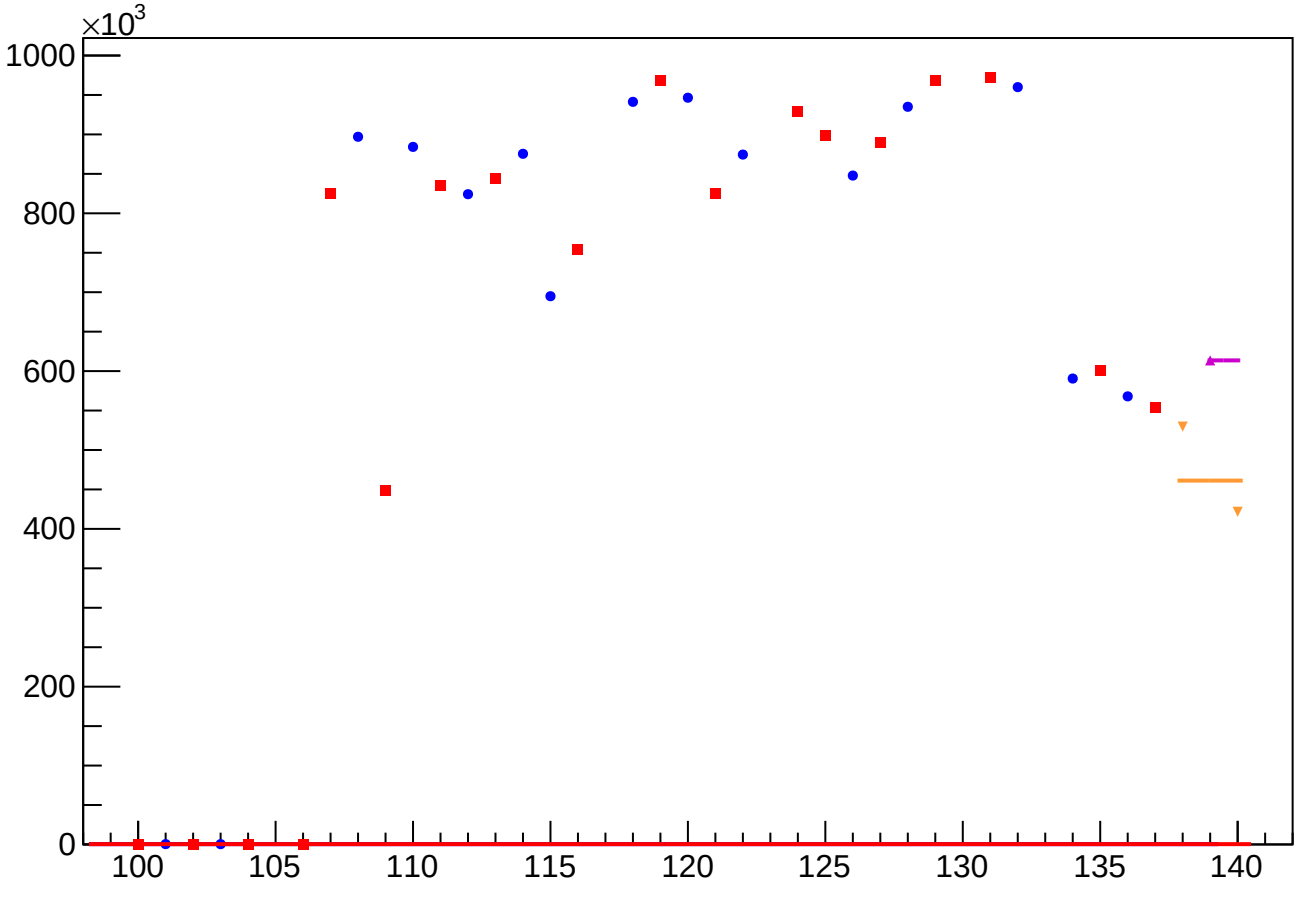
Left: -145.724+/-321.930 χ^2/NDF: 5.6/2

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:19.9/16

Out: -0.096+/-0.328 χ^2/NDF:19.1/20

All: 0.065+/-0.241 χ^2/NDF: 39.5/37



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 461211.956+/-259.894 χ^2/NDF:40047.3/1

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 613569.903+/-471.787 χ^2/NDF:0.0/0

Left: 496682.488+/-227.639 χ^2/NDF: 120056.8/2

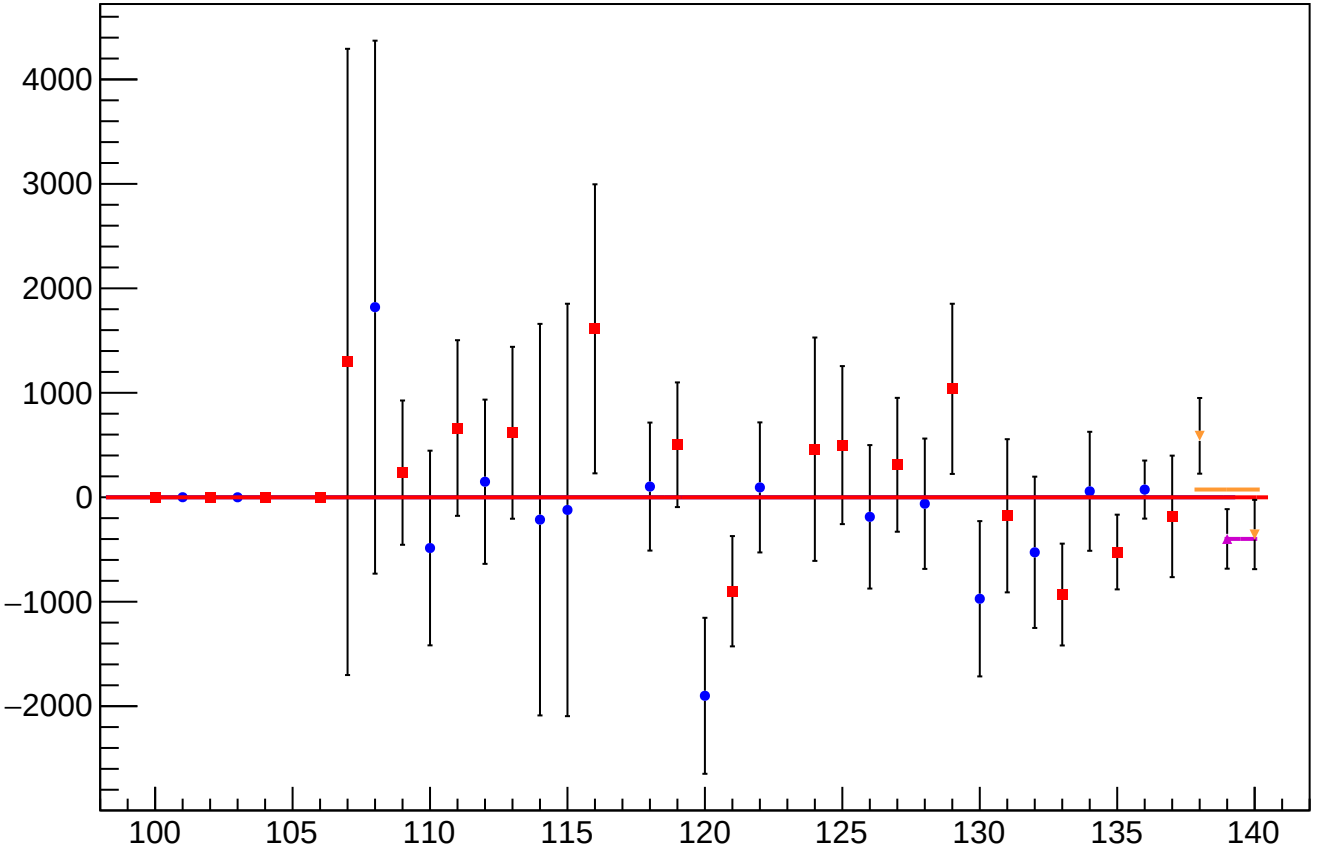
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 399.055+/-0.251 χ^2/NDF:10180995.0/15

Out: 393.607+/-0.232 χ^2/NDF:10832525.1/19

All: 396.109+/-0.170 χ^2/NDF: 21013774.0/35

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 74.037+/-244.653 χ^2/NDF:3.7/1

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -398.686+/-284.995 χ^2/NDF:0.0/0

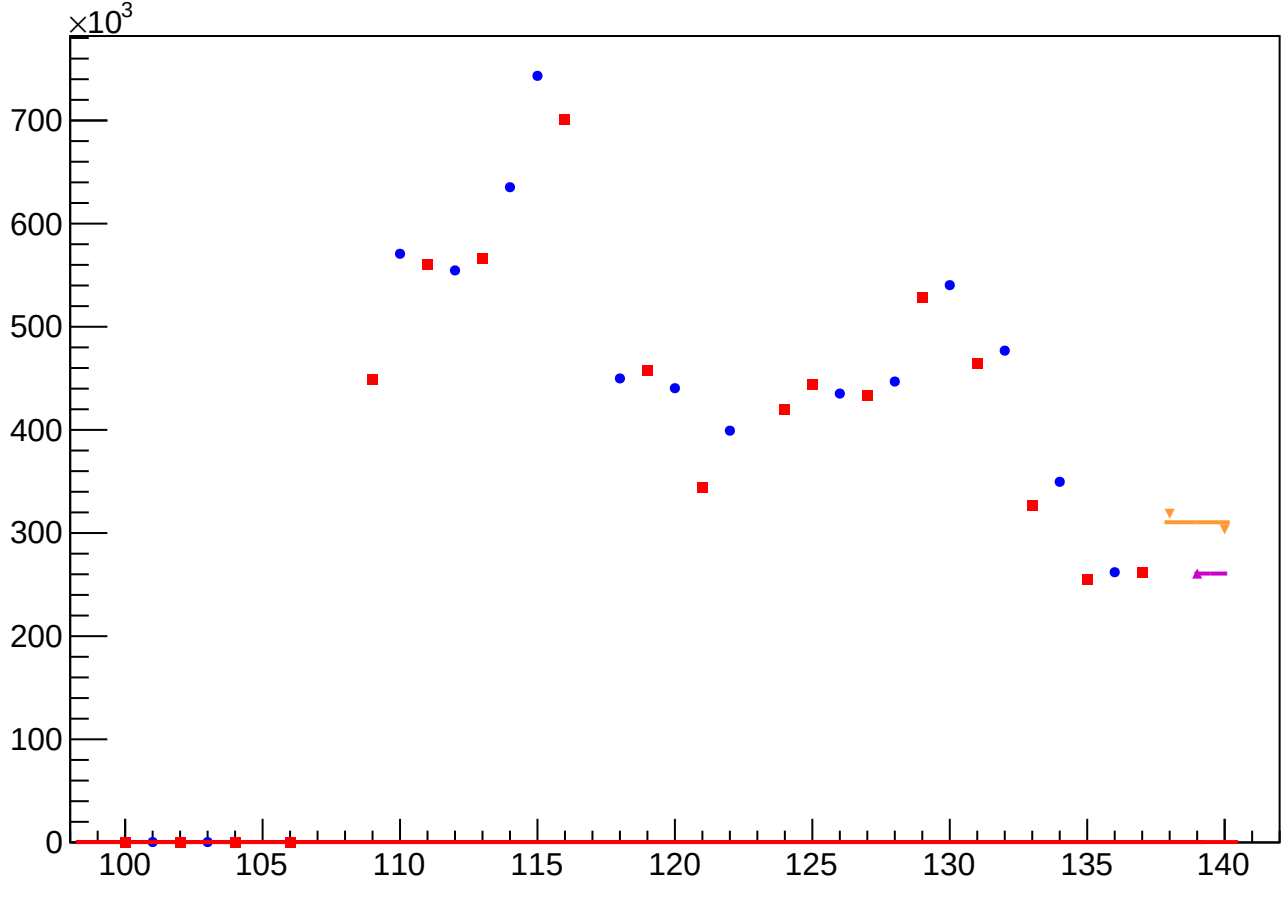
Left: -126.526+/-185.635 χ^2/NDF: 5.3/2

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.021+/-0.347 χ^2/NDF:12.4/16

Out: -0.599+/-0.324 χ^2/NDF:18.8/20

All: -0.330+/-0.237 χ^2/NDF: 32.7/37



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 310441.857+/-172.996 χ^2/NDF:1893.0/1

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 260713.799+/-201.522 χ^2/NDF:0.0/0

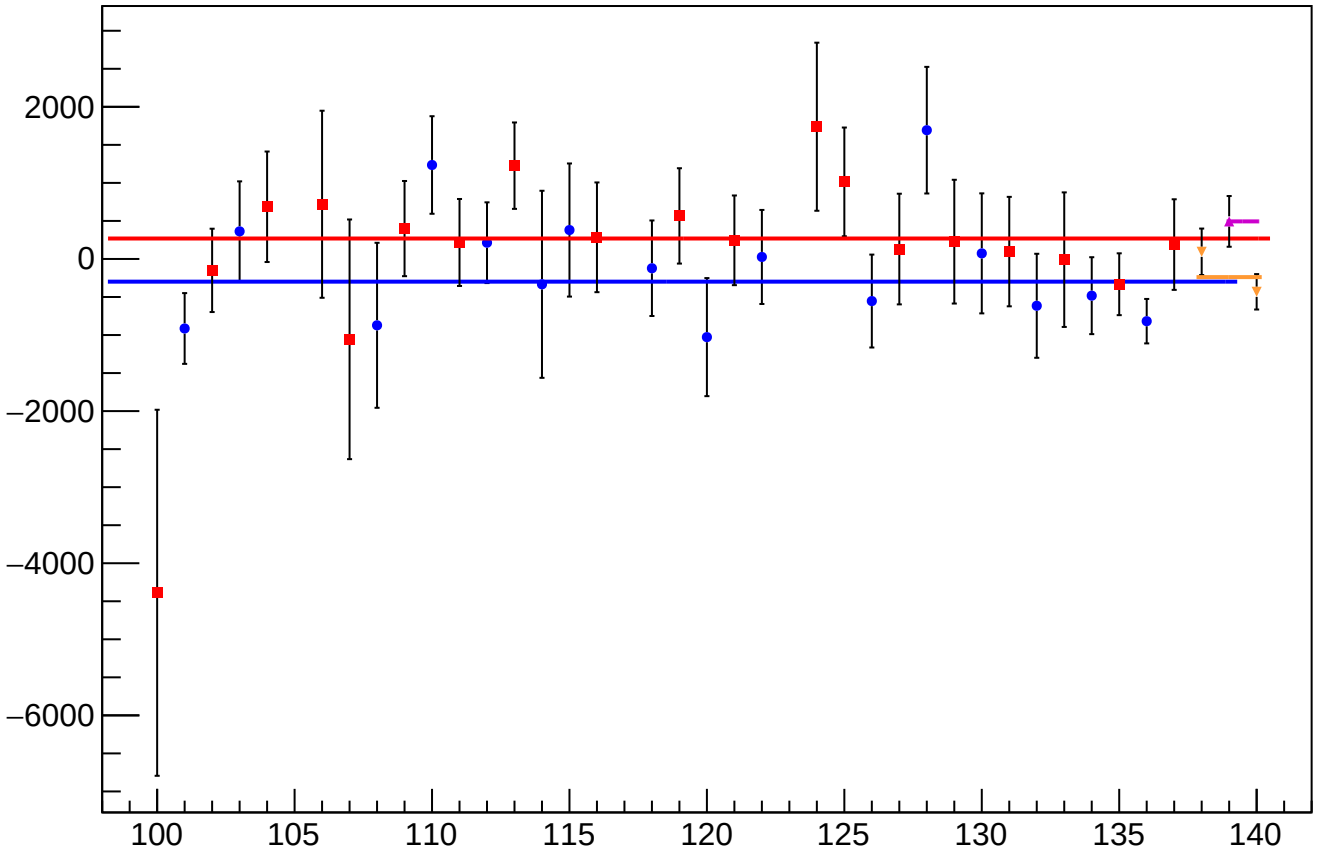
Left: 289343.688+/-131.264 χ^2/NDF: 36950.1/2

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 390.662+/-0.245 χ^2/NDF:12800950.4/15

Out: 388.527+/-0.229 χ^2/NDF:14288399.0/19

All: 389.521+/-0.167 χ^2/NDF: 27089389.8/35



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -238.439+/-185.191 χ^2/NDF:1.9/1

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 493.907+/-333.482 χ^2/NDF:0.0/0

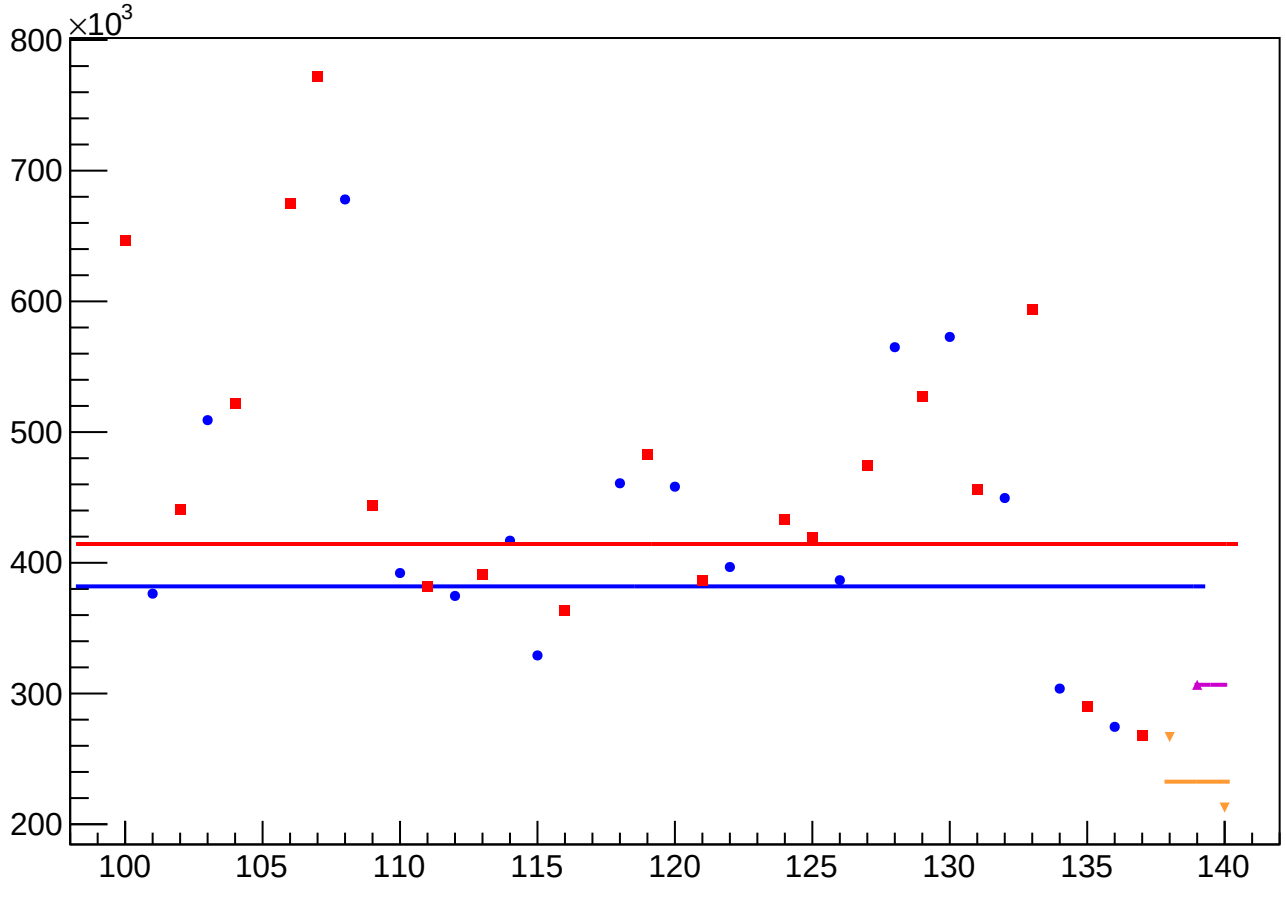
Left: -65.826+/-161.902 χ^2/NDF: 5.6/2

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -168.842+/-134.792 χ^2/NDF:25.9/16

Out: 57.398+/-119.570 χ^2/NDF:20.1/20

All: -42.231+/-89.449 χ^2/NDF: 47.6/37



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 232565.469+/-130.950 χ^2/NDF:39451.9/1

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 306676.494+/-235.808 χ^2/NDF:0.0/0

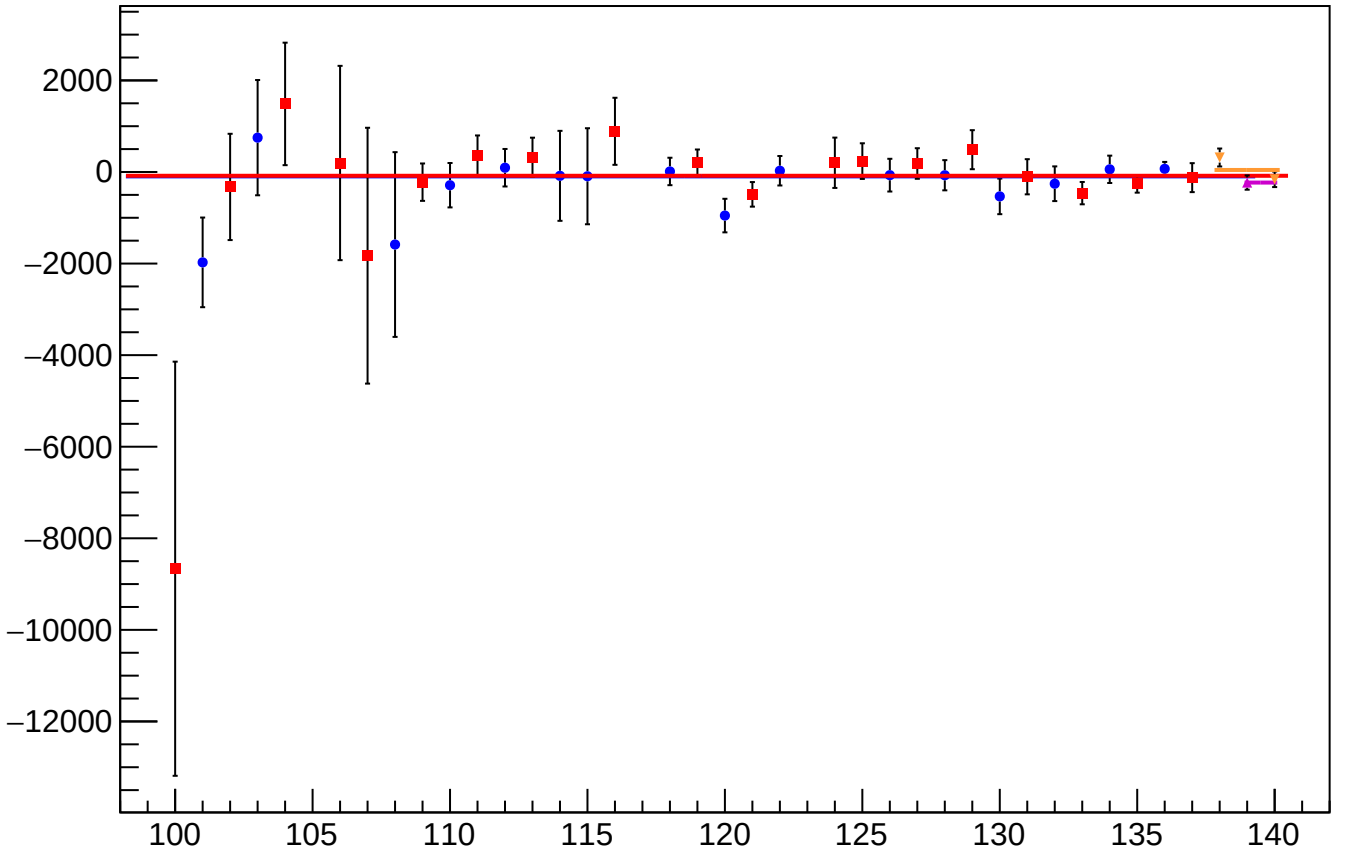
Left: 250033.357+/-114.482 χ^2/NDF: 114946.3/2

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 369657.212+/-95.327 χ^2/NDF:921711.3/16

Out: 338562.383+/-84.561 χ^2/NDF:1923384.7/20

All: 352255.503+/-63.259 χ^2/NDF: 2904641.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 44.161+/-128.262 χ^2/NDF:3.4/1

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -231.092+/-155.739 χ^2/NDF:0.0/0

Left: -67.081+/-99.007 χ^2/NDF: 5.2/2

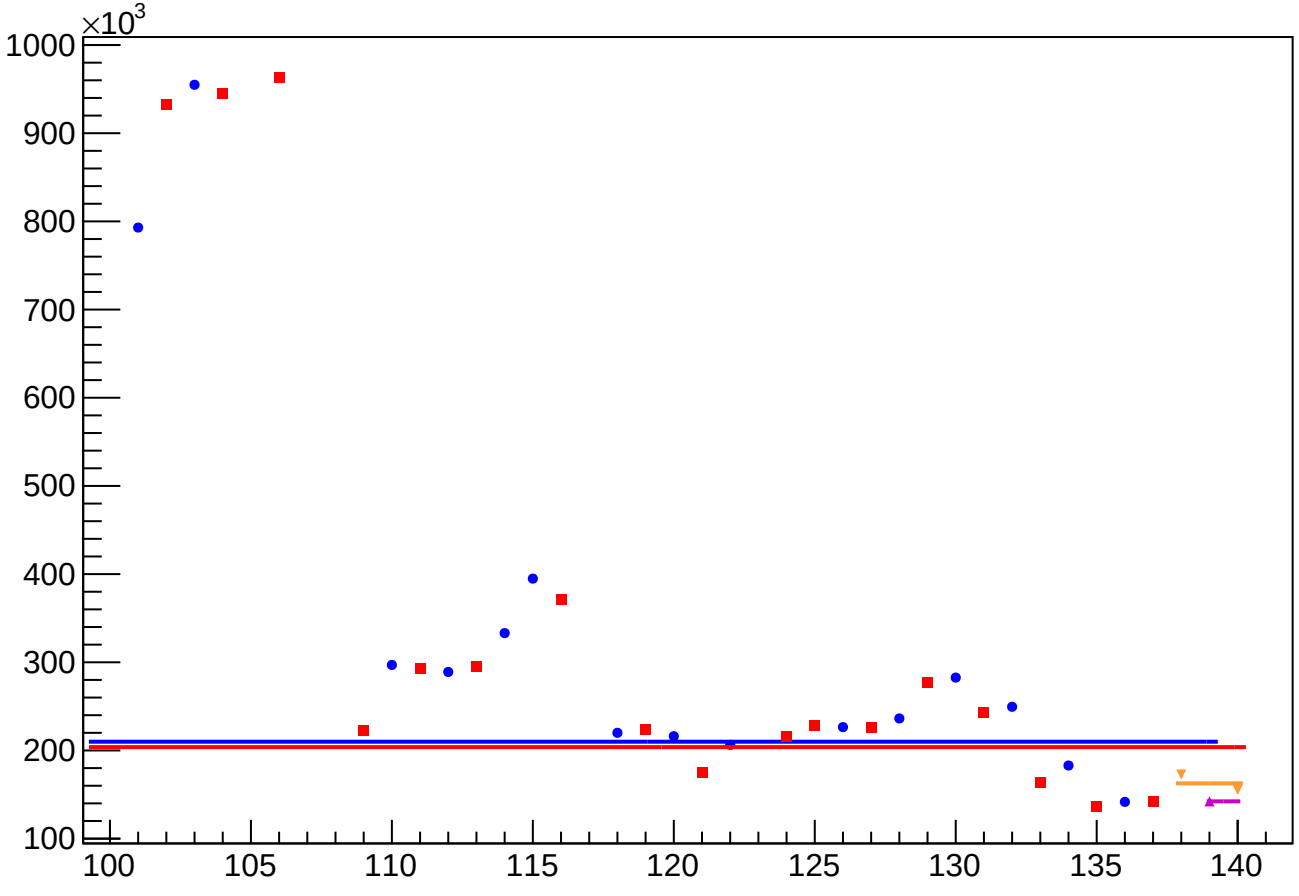
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -128.730+/-76.791 χ^2/NDF:14.3/16

Out: -42.560+/-72.178 χ^2/NDF:23.1/20

All: -82.979+/-52.593 χ^2/NDF: 38.1/37

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 162710.026+/-90.695 χ^2/NDF:9084.3/1

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 142288.182+/-110.124 χ^2/NDF:0.0/0

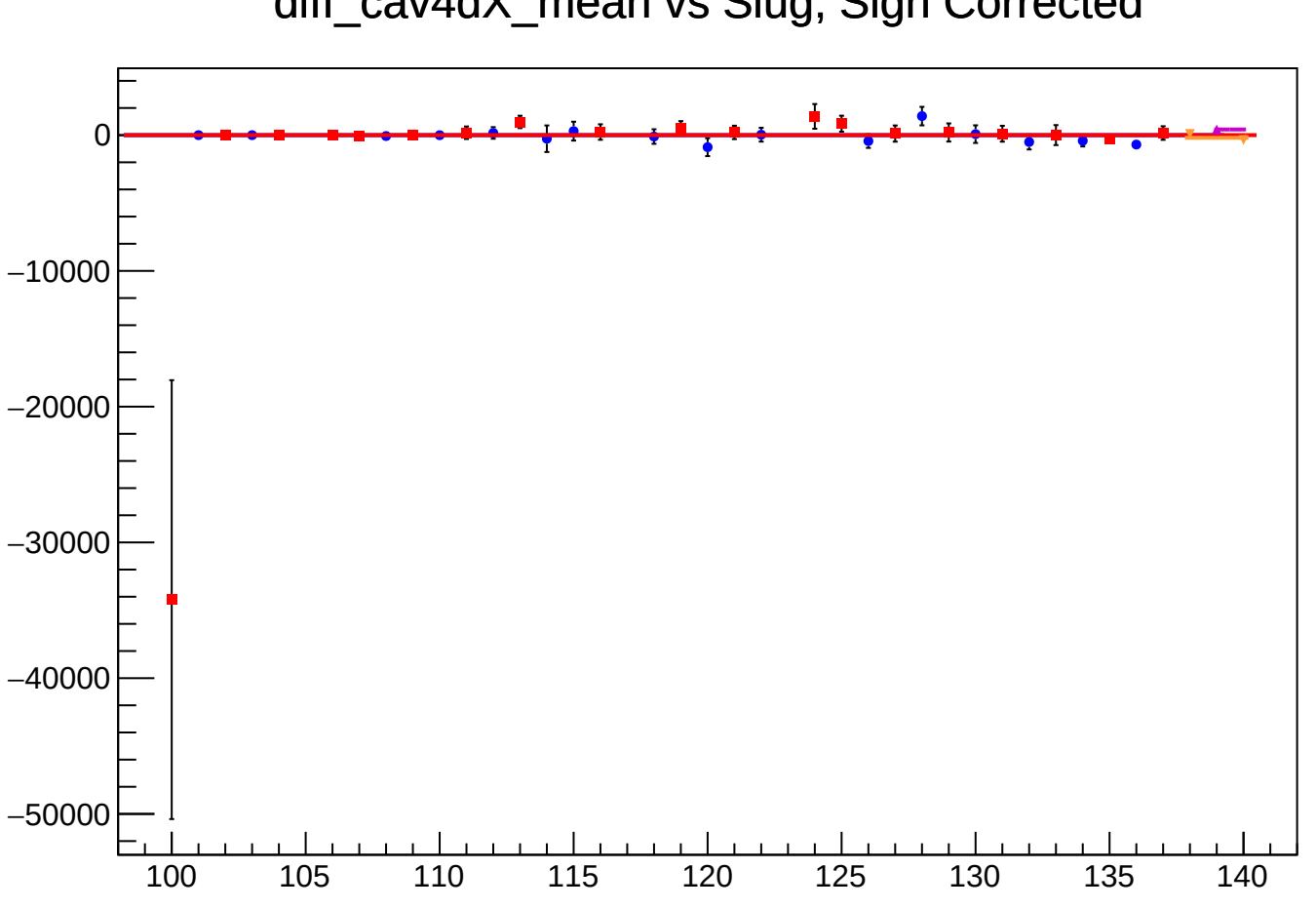
Left: 154456.621+/-70.009 χ^2/NDF: 29575.4/2

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 193440.768+/-54.371 χ^2/NDF:2245204.8/15

Out: 190739.114+/-51.124 χ^2/NDF:2219557.4/18

All: 192006.867+/-37.245 χ^2/NDF: 4466072.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -195.587+/-154.188 χ^2/NDF:1.9/1

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 417.846+/-276.977 χ^2/NDF:0.0/0

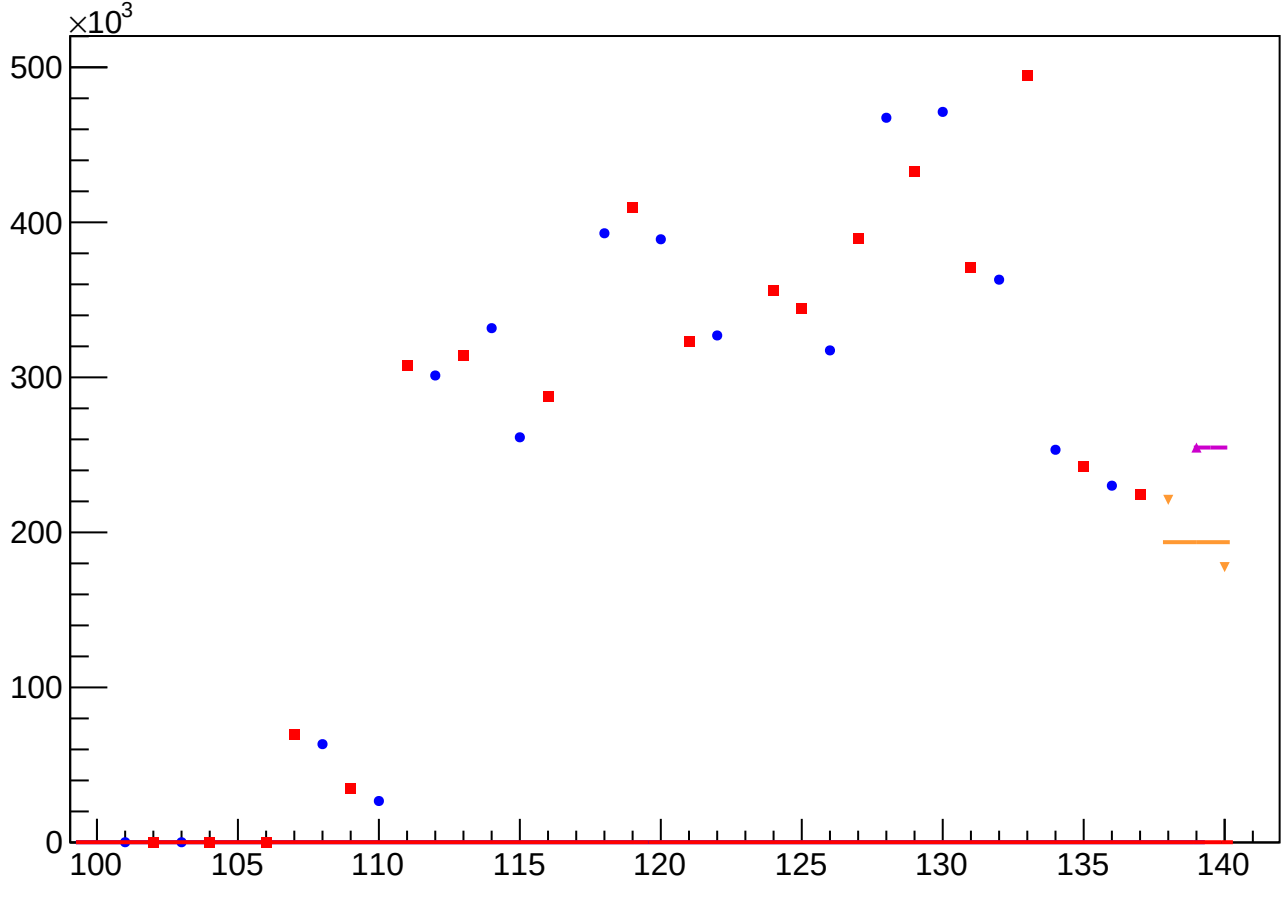
Left: -50.461+/-134.720 χ^2/NDF: 5.7/2

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:20.4/16

Out: 0.355+/-0.160 χ^2/NDF:20.0/20

All: 0.174+/-0.117 χ^2/NDF: 43.2/37



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 193694.701+/-109.027 χ^2/NDF:36963.4/1

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 254734.321+/-195.852 χ^2/NDF:0.0/0

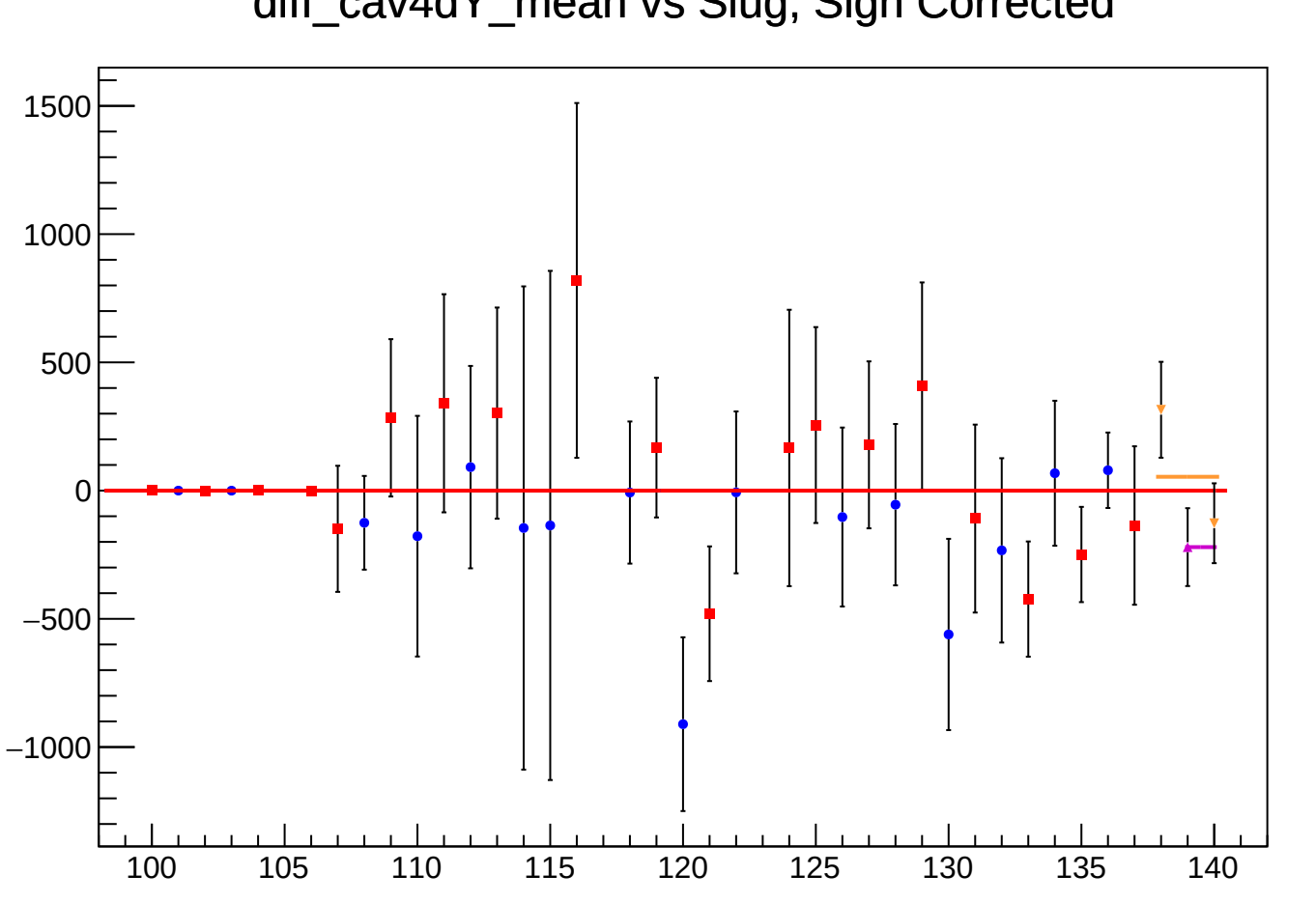
Left: 208135.456+/-95.262 χ^2/NDF: 111116.7/2

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 149.191+/-0.122 χ^2/NDF:12991638.8/16

Out: 149.587+/-0.113 χ^2/NDF:14476999.5/19

All: 149.403+/-0.083 χ^2/NDF: 27468644.0/36



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 53.875+/-119.645 χ^2/NDF:3.3/1

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -220.345+/-151.777 χ^2/NDF:0.0/0

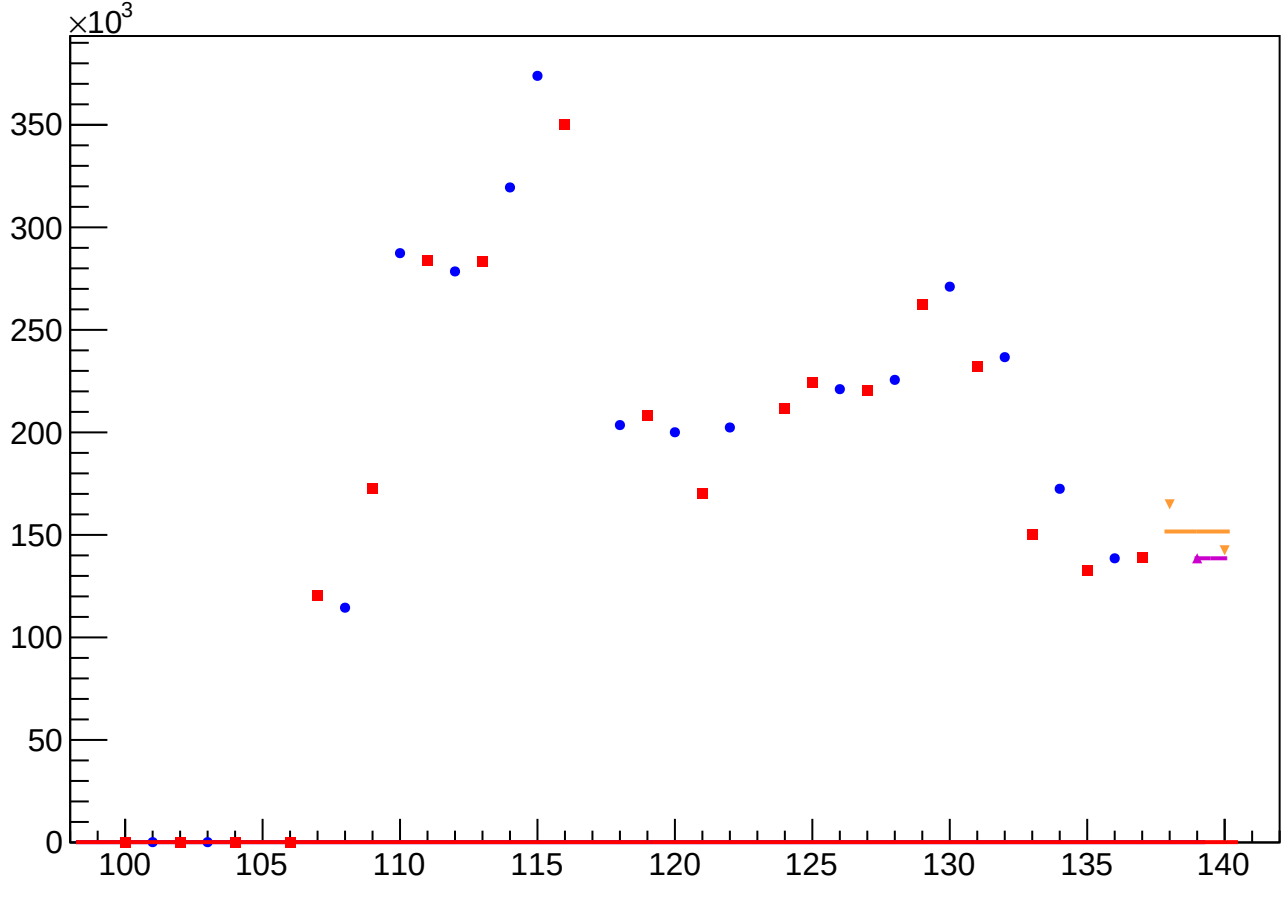
Left: -51.220+/-93.961 χ^2/NDF: 5.3/2

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:13.3/16

Out: -0.126+/-0.166 χ^2/NDF:18.7/20

All: -0.099+/-0.121 χ^2/NDF: 32.1/37



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 151661.980+/-84.602 χ^2/NDF:16998.6/1

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 138592.000+/-107.322 χ^2/NDF:0.0/0

Left: 146652.886+/-66.440 χ^2/NDF: 26145.6/2

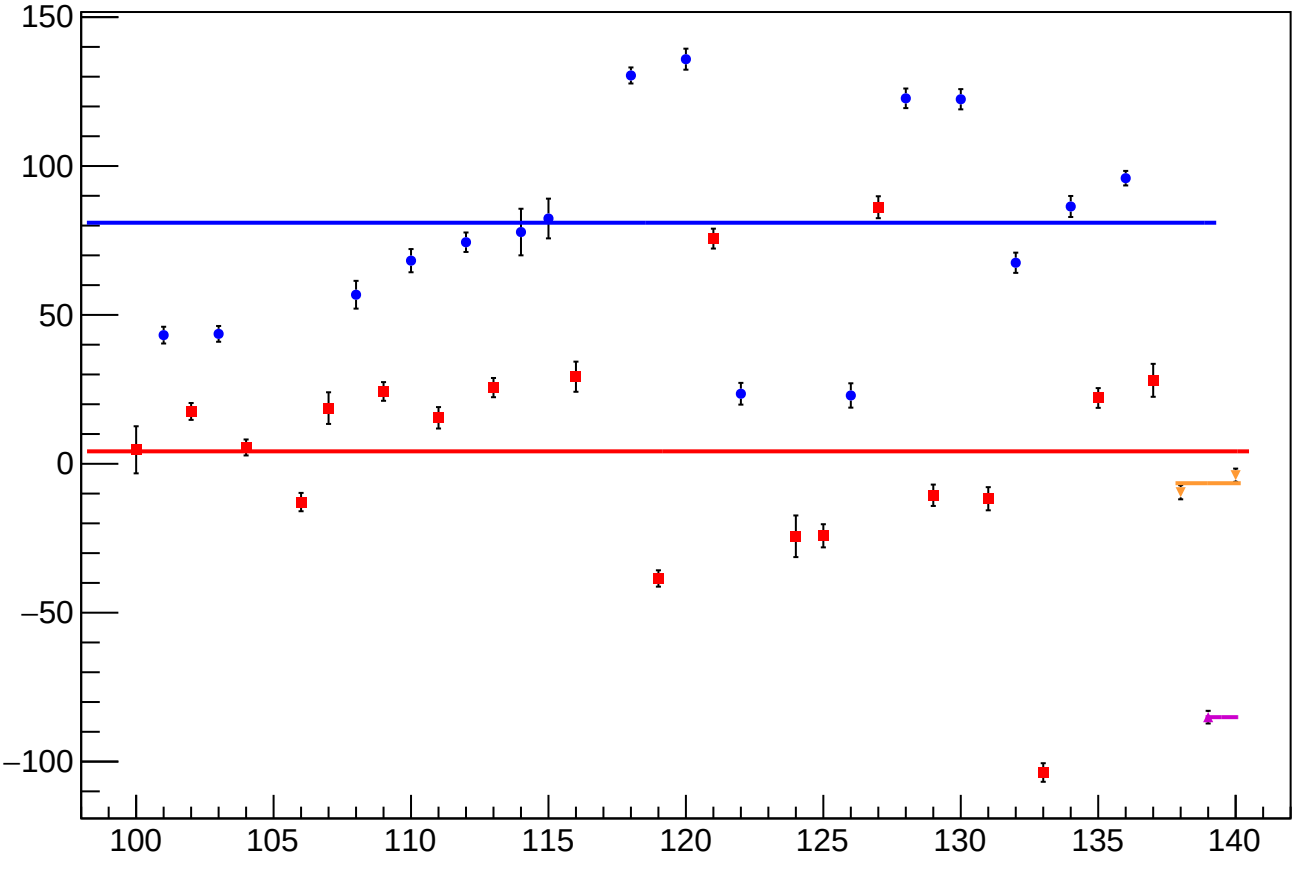
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 153.649+/-0.125 χ^2/NDF:13568834.1/16

Out: 156.451+/-0.118 χ^2/NDF:14554893.8/20

All: 155.137+/-0.086 χ^2/NDF: 28123993.6/37

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -6.520+/-1.625 χ^2/NDF:3.1/1

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -85.083+/-2.129 χ^2/NDF:0.0/0

Left: -35.436+/-1.292 χ^2/NDF: 863.7/2

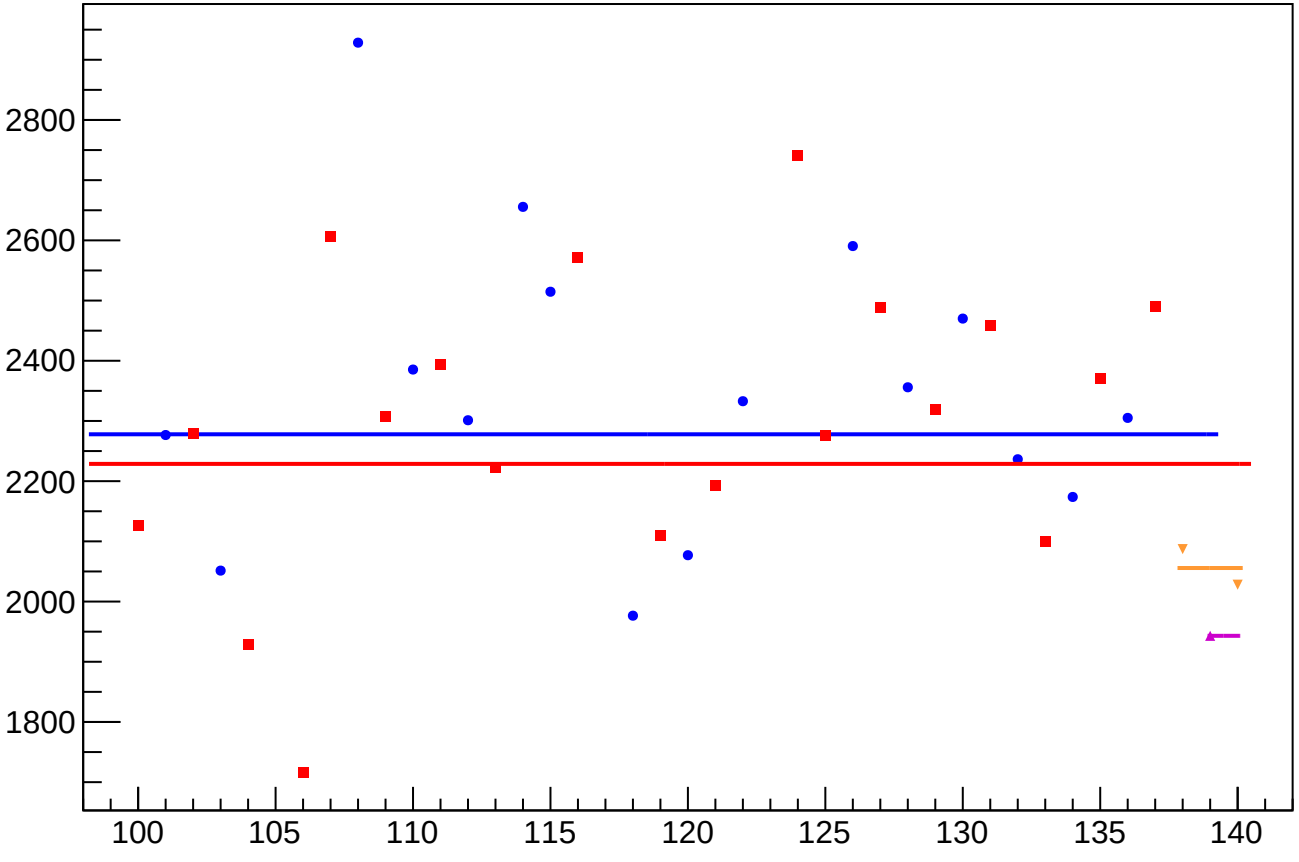
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: 58.057+/-0.791 χ^2/NDF:7058.2/16

Out: 2.009+/-0.732 χ^2/NDF:2757.4/20

All: 27.885+/-0.537 χ^2/NDF: 12521.4/37

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2055.728+/-1.149 χ^2/NDF:659.1/1

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 1943.088+/-1.505 χ^2/NDF:0.0/0

Left: 2014.270+/-0.913 χ^2/NDF: 4197.6/2

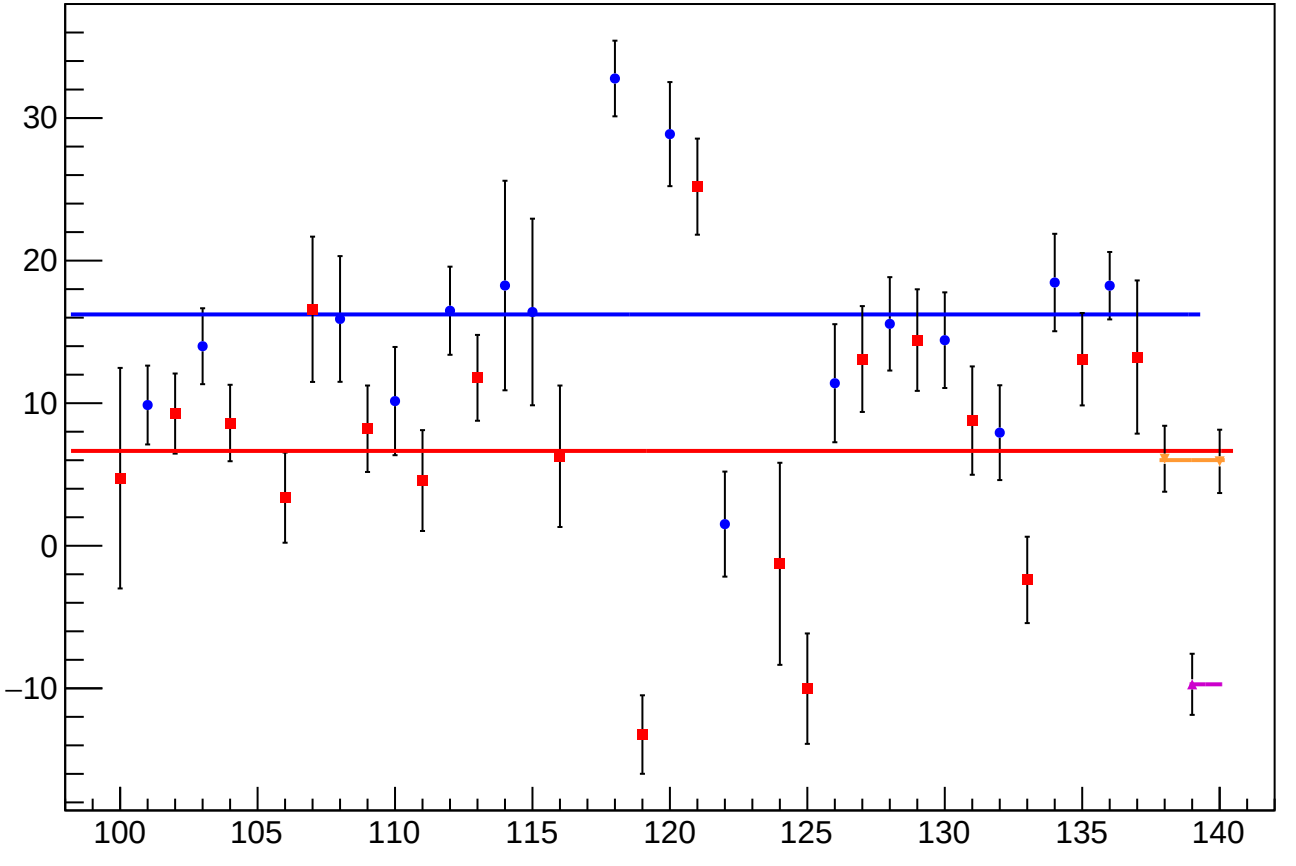
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2231.697+/-0.559 χ^2/NDF:158412.0/16

Out: 2193.566+/-0.518 χ^2/NDF:169859.6/20

All: 2211.170+/-0.380 χ^2/NDF: 330776.4/37

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 6.007+/-1.602 χ^2/NDF:0.0/1

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -9.718+/-2.143 χ^2/NDF:0.0/0

Left: 0.368+/-1.283 χ^2/NDF: 34.5/2

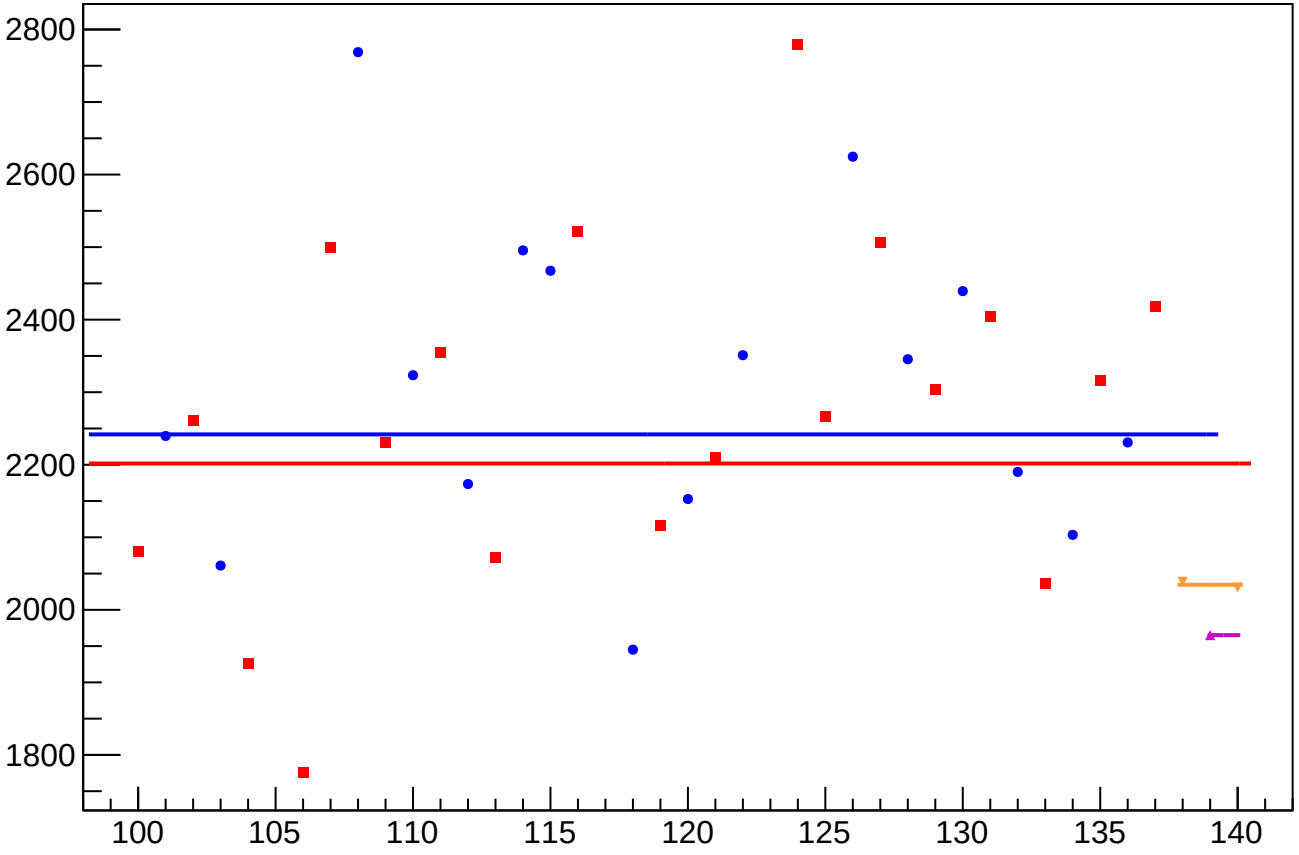
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 12.787+/-0.780 χ^2/NDF:211.7/16

Out: 6.521+/-0.722 χ^2/NDF:134.7/20

All: 9.414+/-0.530 χ^2/NDF: 381.1/37

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2034.558+/-1.133 χ^2/NDF:12.1/1

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 1965.151+/-1.515 χ^2/NDF:0.0/0

Left: 2009.670+/-0.907 χ^2/NDF: 1357.9/2

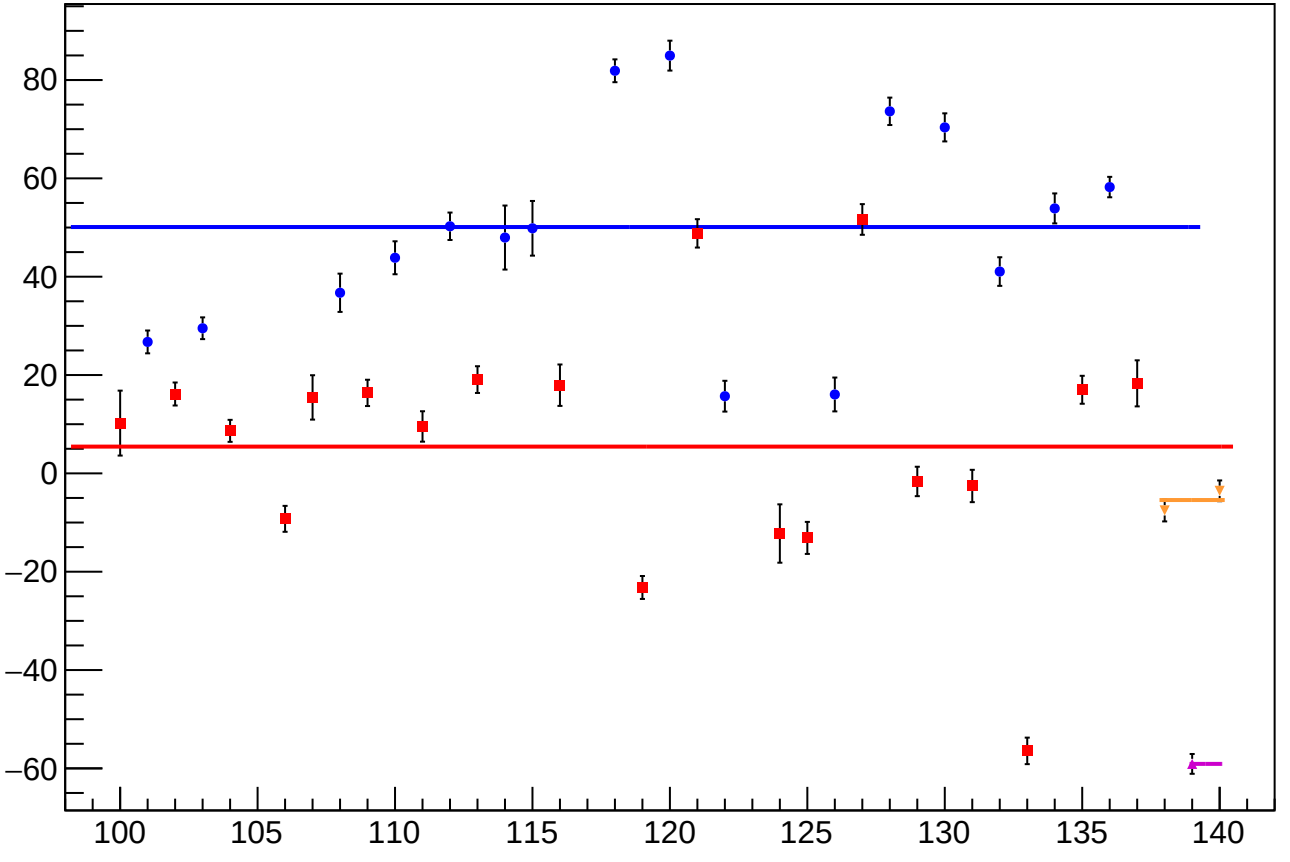
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2205.180+/-0.552 χ^2/NDF:131188.2/16

Out: 2167.754+/-0.511 χ^2/NDF:147243.9/20

All: 2185.031+/-0.375 χ^2/NDF: 280910.3/37

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -5.423+/-1.536 χ^2/NDF:1.7/1

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -59.088+/-2.015 χ^2/NDF:0.0/0

Left: -25.152+/-1.222 χ^2/NDF: 450.2/2

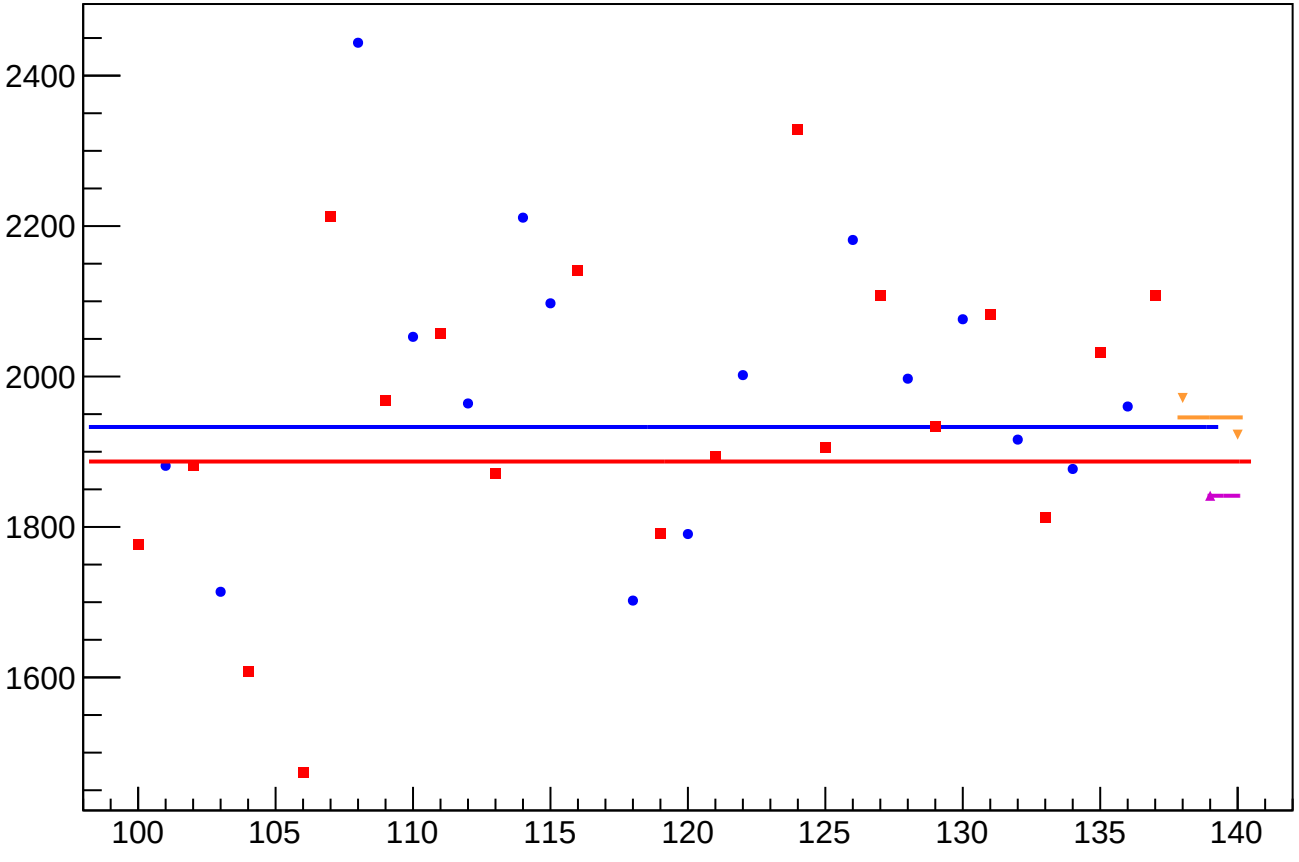
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: 37.675+/-0.680 χ^2/NDF:3490.7/16

Out: 3.601+/-0.633 χ^2/NDF:1354.8/20

All: 19.416+/-0.463 χ^2/NDF: 6191.8/37

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1945.648+/-1.086 χ^2/NDF:502.2/1

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1841.495+/-1.425 χ^2/NDF:0.0/0

Left: 1907.357+/-0.864 χ^2/NDF: 3881.1/2

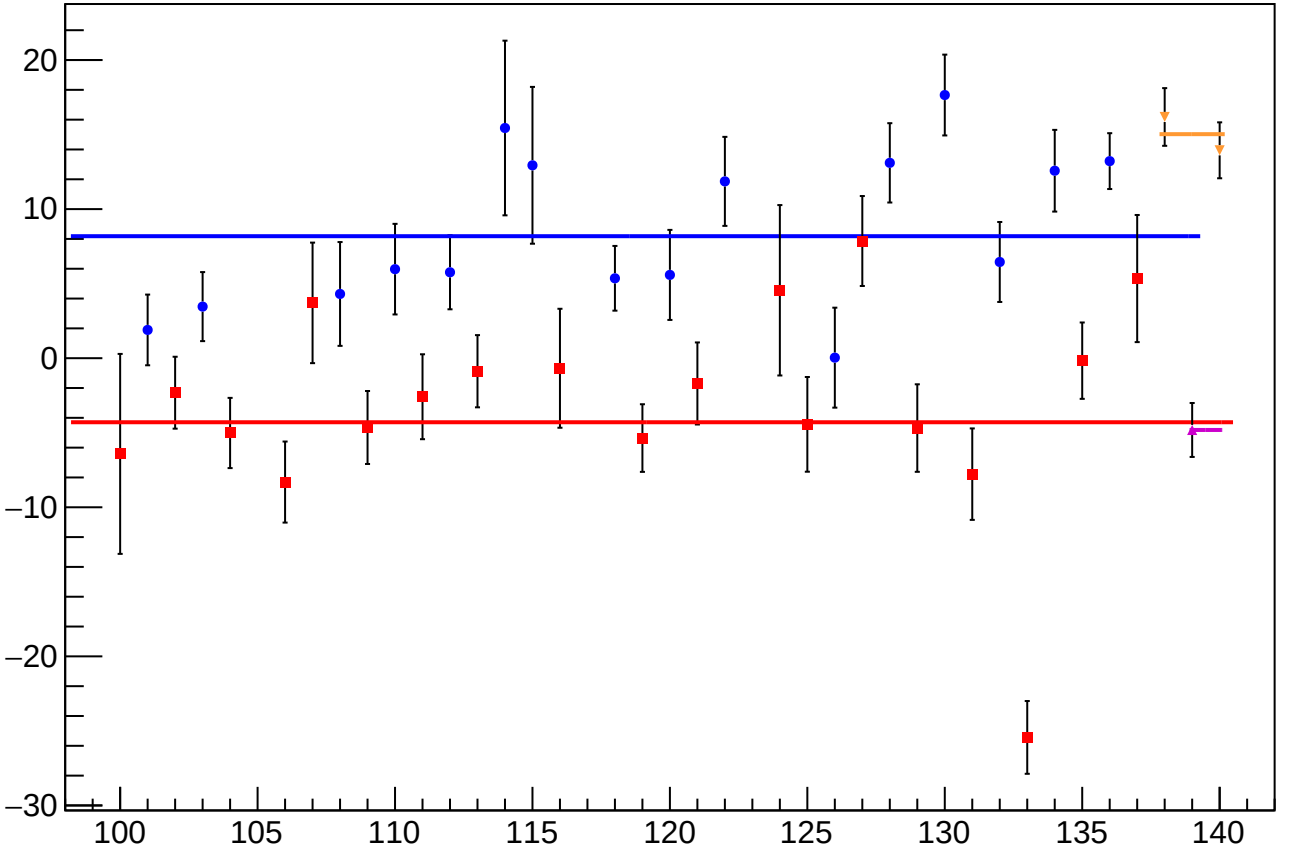
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1922.500+/-0.481 χ^2/NDF:109614.9/16

Out: 1896.949+/-0.447 χ^2/NDF:152668.3/20

All: 1908.809+/-0.327 χ^2/NDF: 263797.3/37

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 15.027+/-1.347 χ^2/NDF:0.7/1

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -4.814+/-1.809 χ^2/NDF:0.0/0

Left: 7.953+/-1.080 χ^2/NDF: 78.1/2

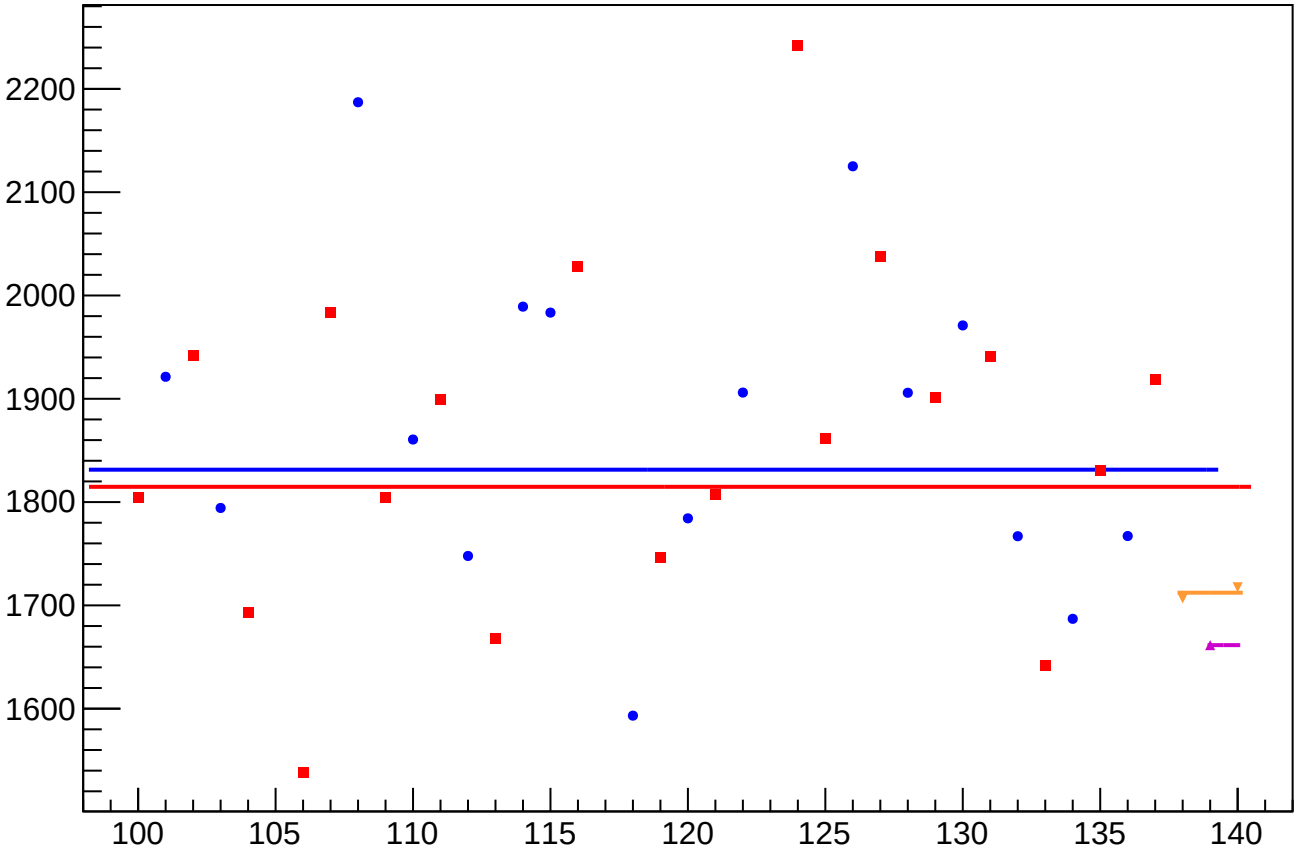
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 6.560+/-0.639 χ^2/NDF:97.1/16

Out: -0.505+/-0.597 χ^2/NDF:280.1/20

All: 2.783+/-0.436 χ^2/NDF: 442.5/37

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1712.274+/-0.952 χ^2/NDF:32.0/1

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1661.511+/-1.279 χ^2/NDF:0.0/0

Left: 1694.176+/-0.764 χ^2/NDF: 1044.9/2

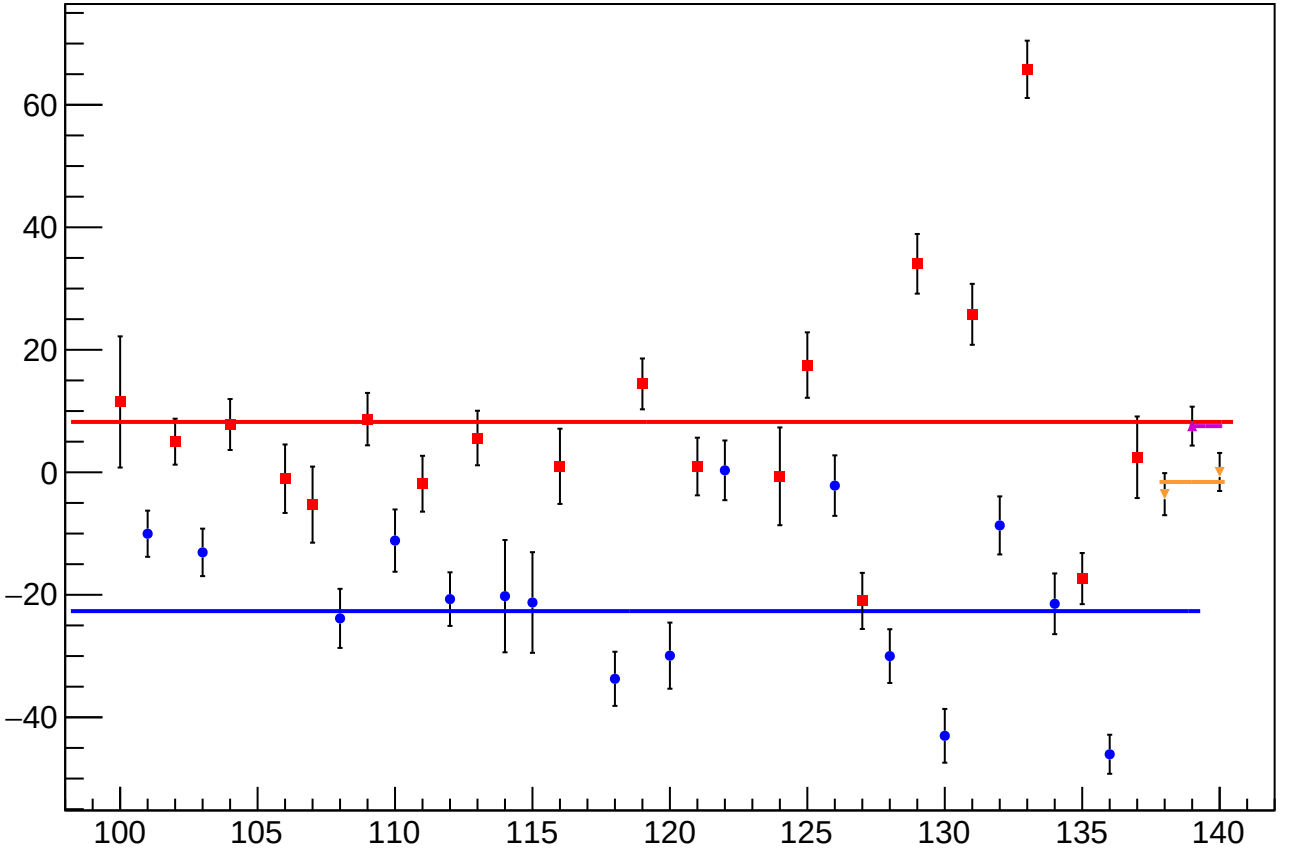
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1810.146+/-0.452 χ^2/NDF:102341.0/16

Out: 1794.661+/-0.422 χ^2/NDF:100081.1/20

All: 1801.868+/-0.308 χ^2/NDF: 203049.1/37

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -1.576+/-2.304 χ^2/NDF:0.6/1

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 7.539+/-3.178 χ^2/NDF:0.0/0

Left: 1.565+/-1.865 χ^2/NDF: 6.0/2

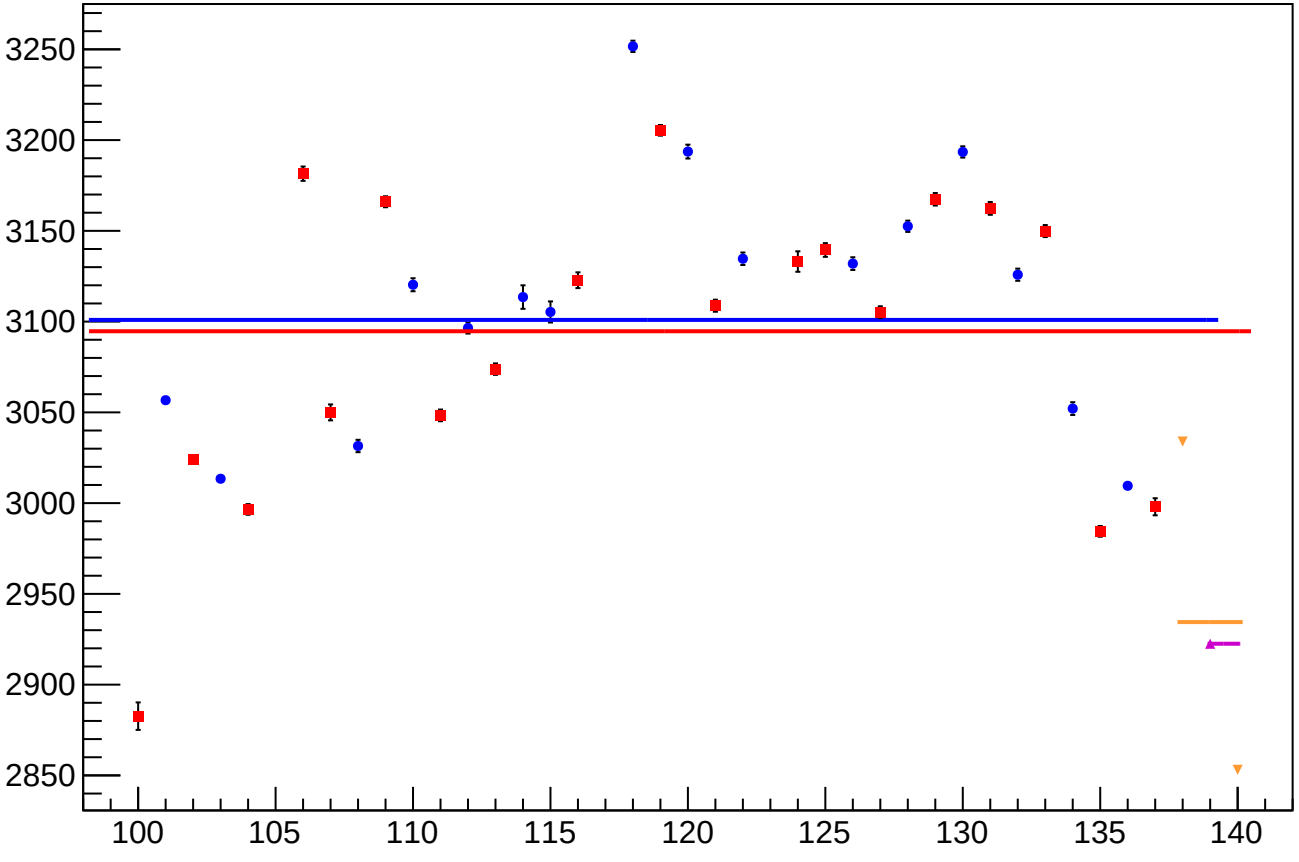
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -19.155+/-1.083 χ^2/NDF:237.0/16

Out: 6.327+/-1.014 χ^2/NDF:310.0/20

All: -5.573+/-0.740 χ^2/NDF: 842.1/37

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2934.468+/-1.629 χ^2/NDF:3049.1/1

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 2922.534+/-2.247 χ^2/NDF:0.0/0

Left: 2930.355+/-1.319 χ^2/NDF: 3067.6/2

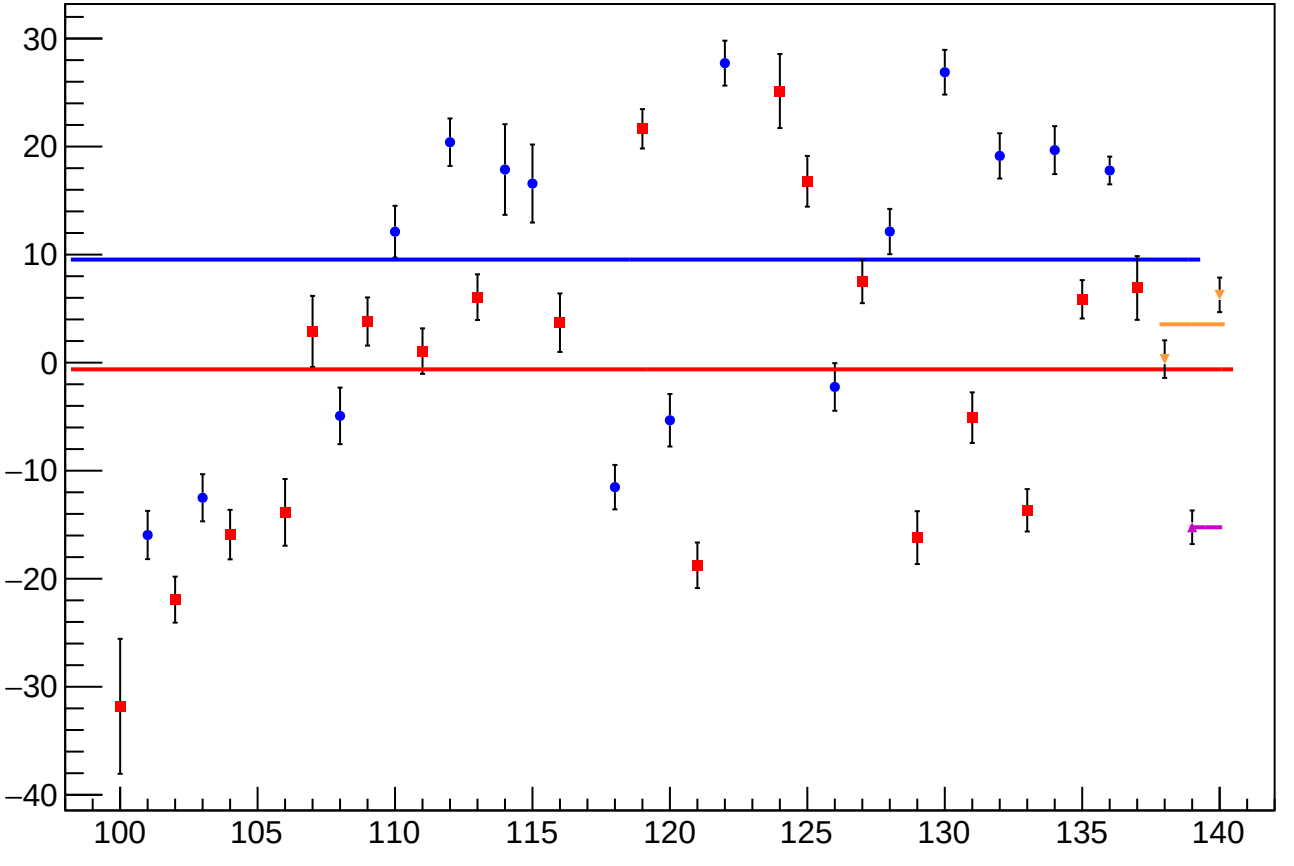
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3080.219+/-0.766 χ^2/NDF:13465.5/16

Out: 3063.680+/-0.717 χ^2/NDF:19431.5/20

All: 3071.404+/-0.523 χ^2/NDF: 33145.7/37

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 3.550+/-1.176 χ^2/NDF:6.3/1

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -15.237+/-1.557 χ^2/NDF:0.0/0

Left: -3.276+/-0.938 χ^2/NDF: 99.1/2

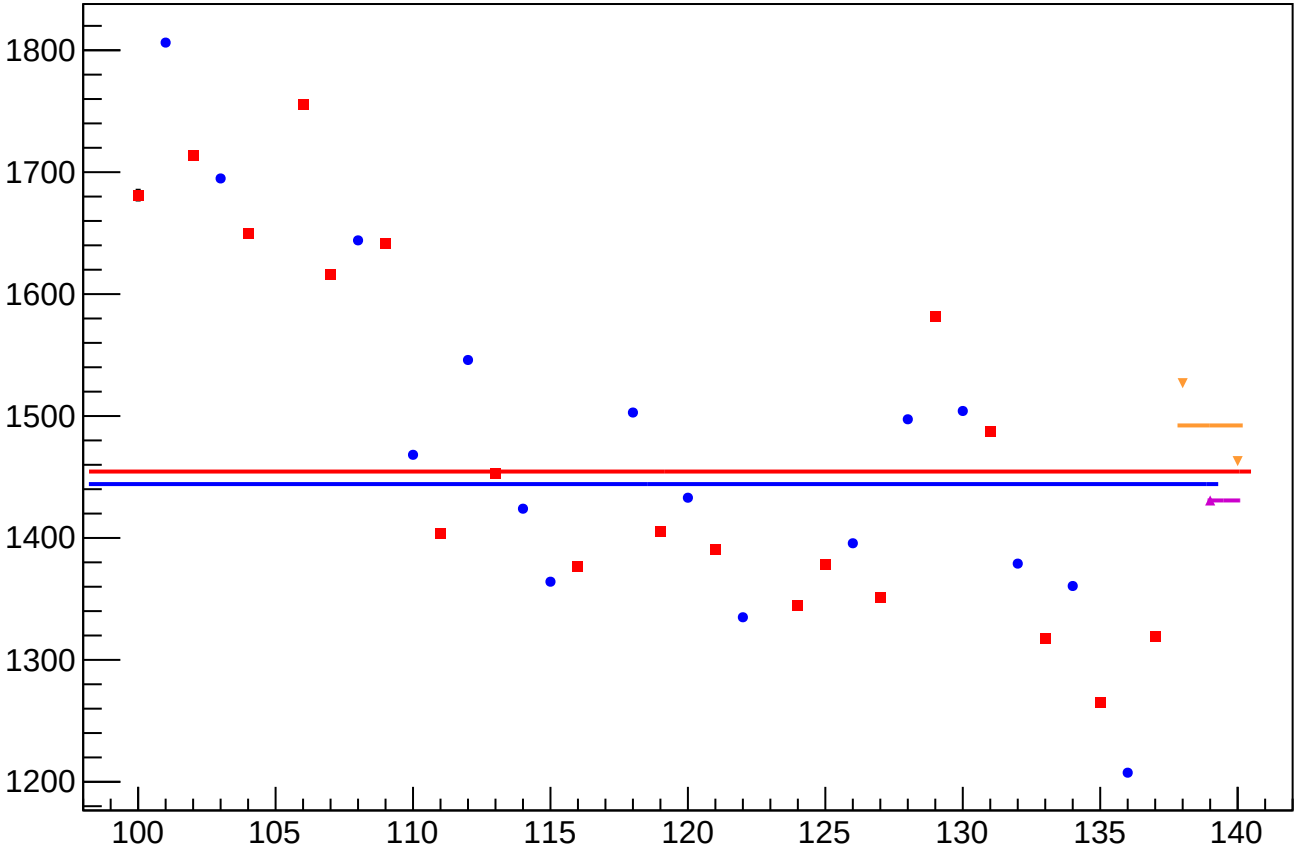
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: 6.867+/-0.511 χ^2/NDF:924.8/16

Out: 0.093+/-0.486 χ^2/NDF:682.6/20

All: 3.311+/-0.352 χ^2/NDF: 1699.5/37

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1492.284+/-0.832 χ^2/NDF:1466.8/1

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1430.766+/-1.101 χ^2/NDF:0.0/0

Left: 1469.933+/-0.663 χ^2/NDF: 3455.5/2

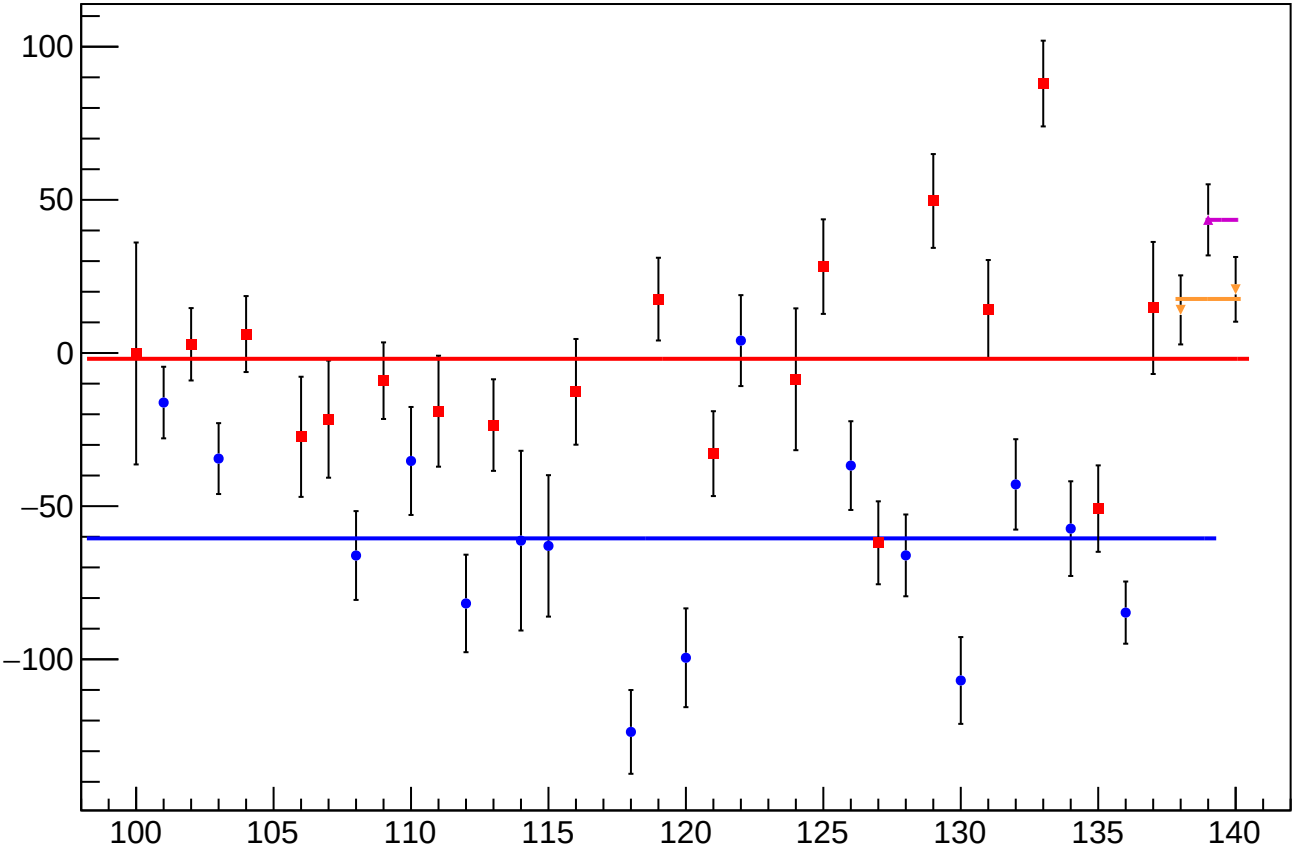
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1442.740+/-0.362 χ^2/NDF:180280.6/16

Out: 1460.937+/-0.344 χ^2/NDF:145954.1/20

All: 1452.294+/-0.249 χ^2/NDF: 327564.9/37

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: 17.646+/-7.710 χ^2/NDF:0.2/1

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 43.472+/-11.607 χ^2/NDF:0.0/0

Left: 25.553+/-6.422 χ^2/NDF: 3.6/2

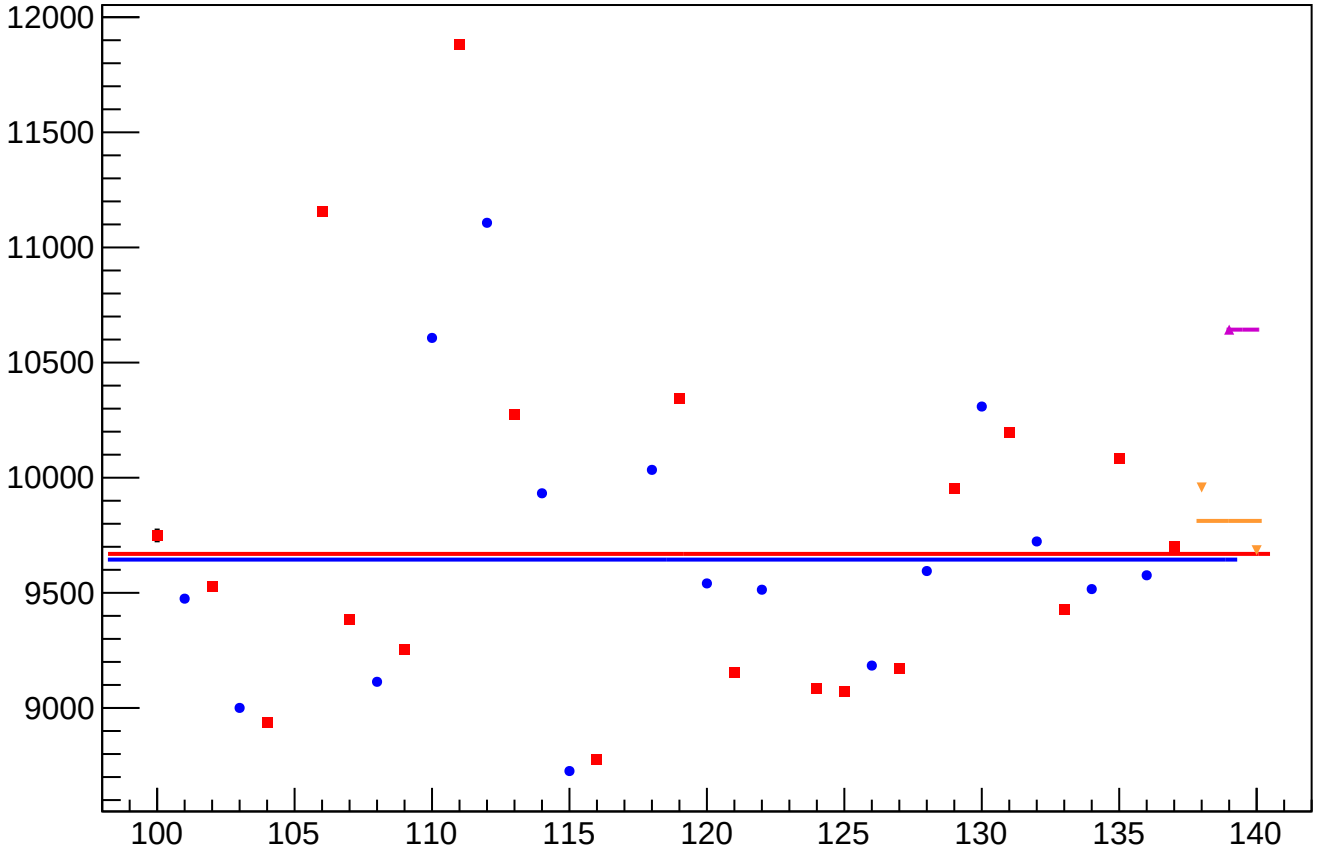
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -51.408+/-3.435 χ^2/NDF:163.6/16

Out: 1.513+/-3.219 χ^2/NDF:109.3/20

All: -23.232+/-2.349 χ^2/NDF: 399.3/37

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9812.453+/-5.452 χ^2/NDF:622.5/1

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10643.094+/-8.207 χ^2/NDF:0.0/0

Left: 10066.753+/-4.541 χ^2/NDF: 7729.6/2

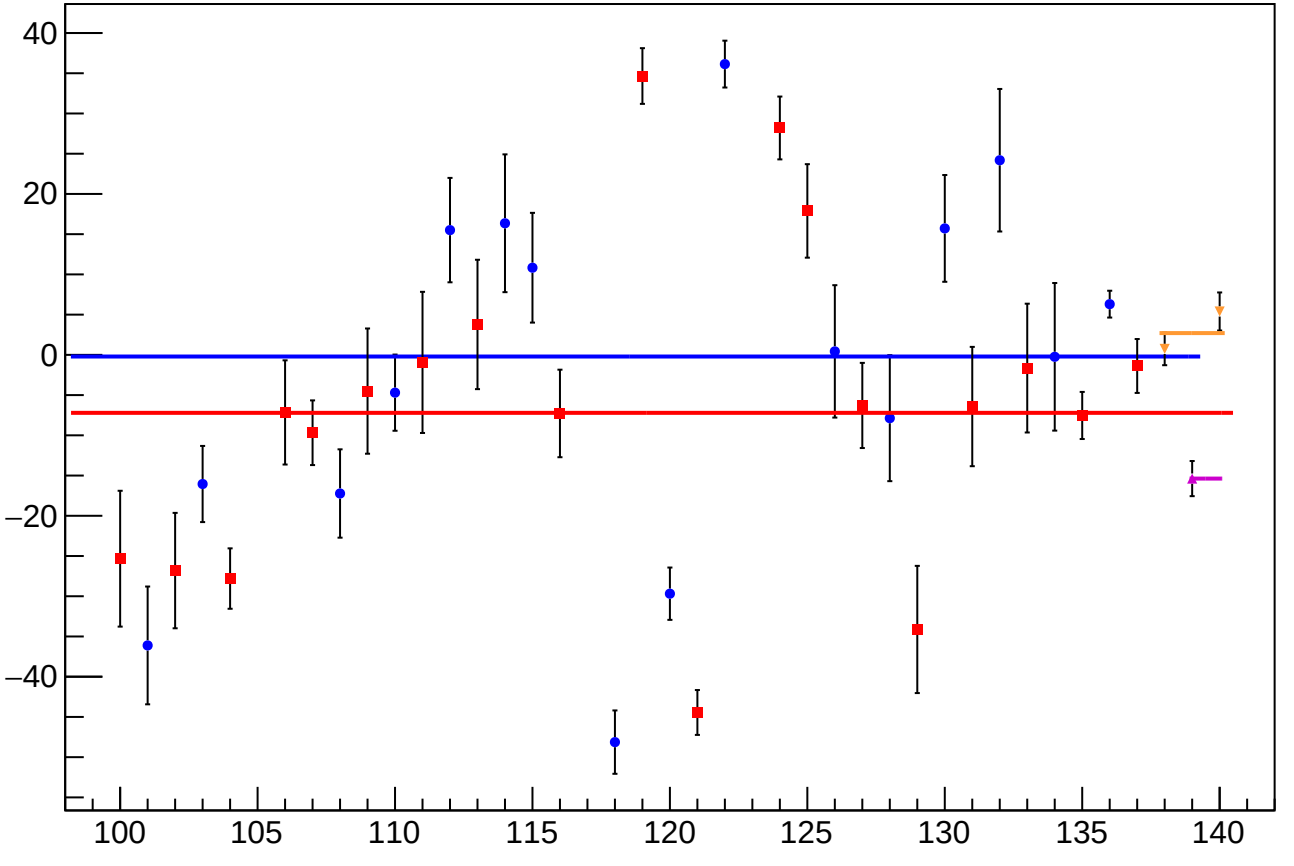
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9731.873+/-2.429 χ^2/NDF:57611.7/16

Out: 9694.122+/-2.276 χ^2/NDF:81071.2/20

All: 9711.774+/-1.661 χ^2/NDF: 138811.5/37

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 2.706+/-1.538 χ^2/NDF:2.2/1

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -15.377+/-2.184 χ^2/NDF:0.0/0

Left: -3.289+/-1.258 χ^2/NDF: 48.1/2

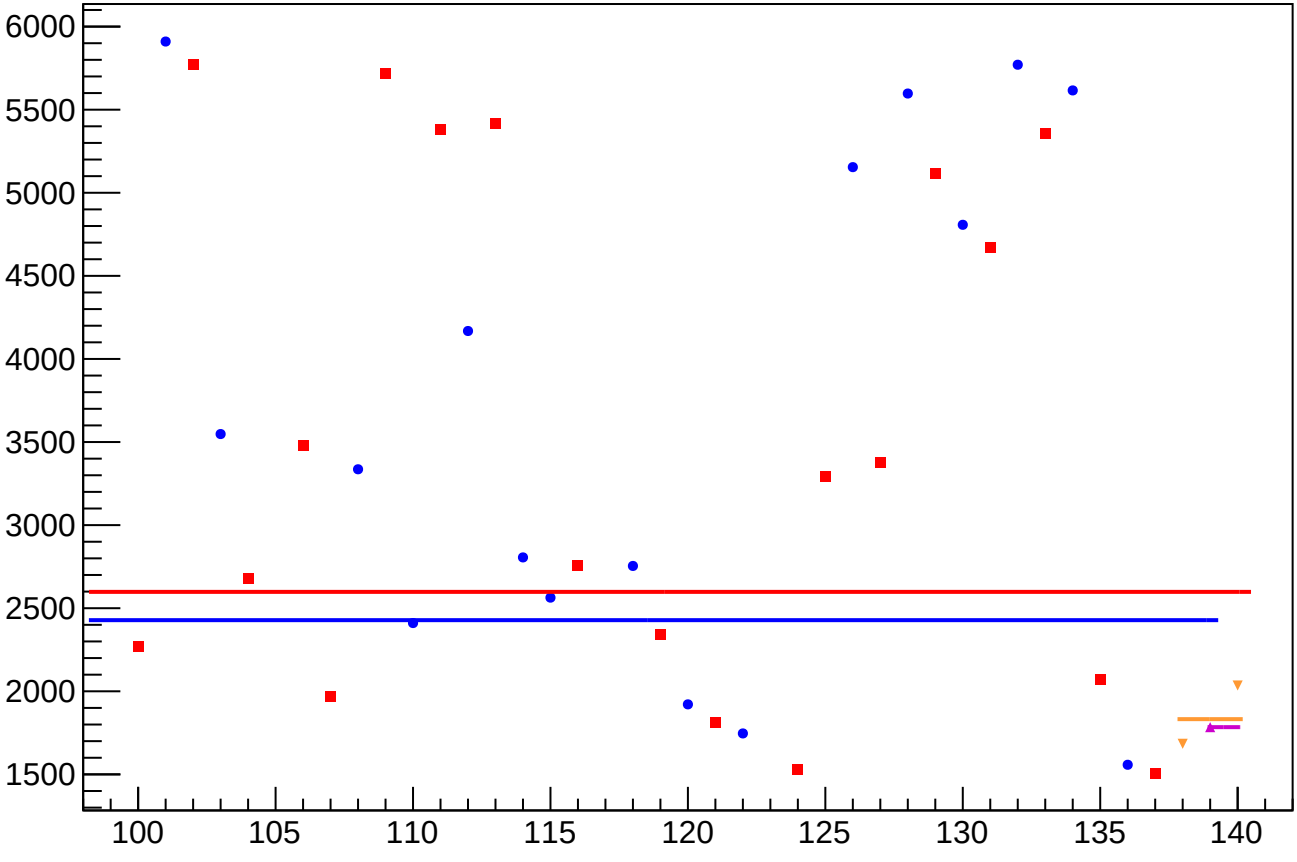
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -3.034+/-0.943 χ^2/NDF:513.0/16

Out: -3.959+/-0.880 χ^2/NDF:515.8/20

All: -3.528+/-0.643 χ^2/NDF: 1029.3/37

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1832.401+/-1.088 χ^2/NDF:25377.8/1

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 1784.255+/-1.544 χ^2/NDF:0.0/0

Left: 1816.438+/-0.889 χ^2/NDF: 26027.5/2

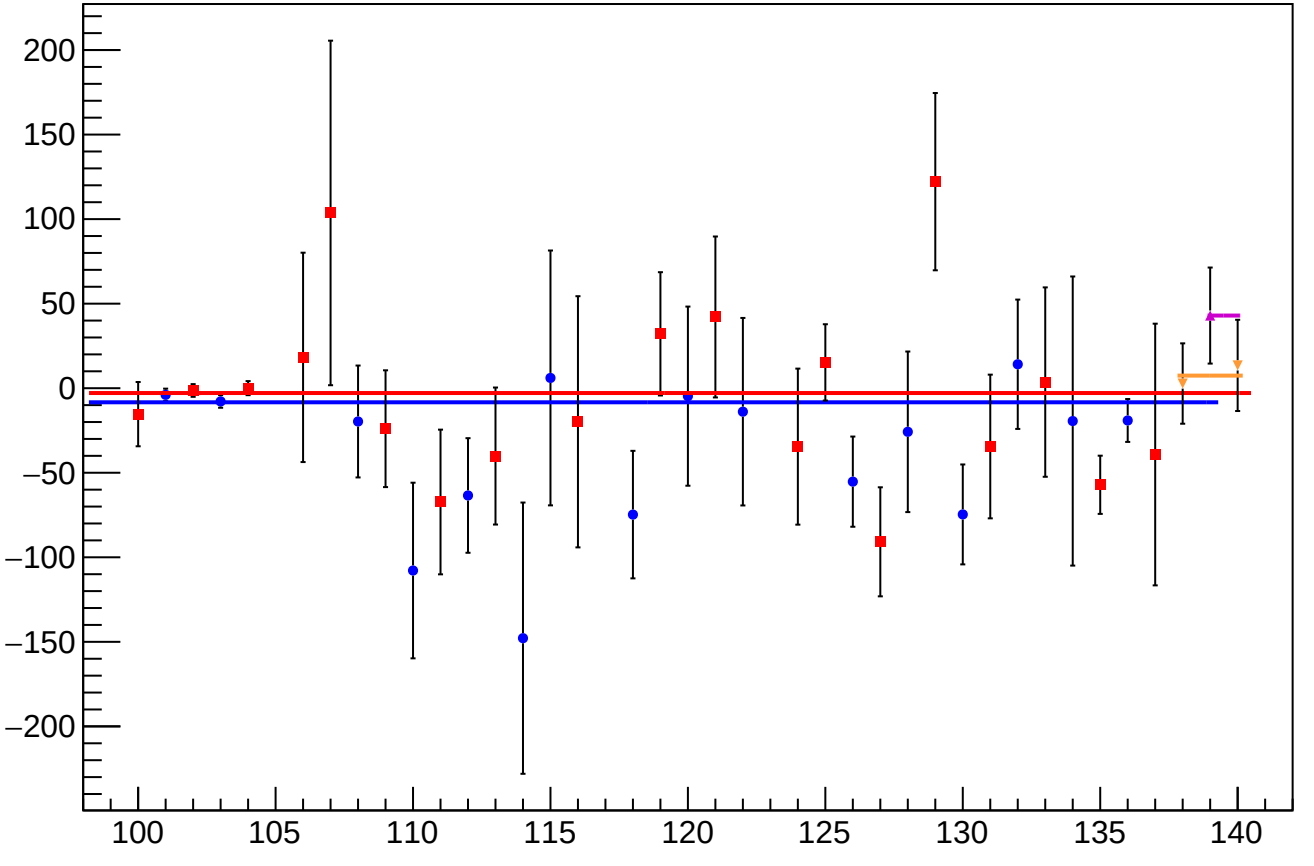
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2308.079+/-0.667 χ^2/NDF:2956737.6/16

Out: 2347.408+/-0.623 χ^2/NDF:2873760.9/20

All: 2329.091+/-0.455 χ^2/NDF: 5832357.5/37

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.447+/-17.832 χ^2/NDF:0.1/1

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 42.964+/-28.400 χ^2/NDF:0.0/0

Left: 17.490+/-15.102 χ^2/NDF: 1.2/2

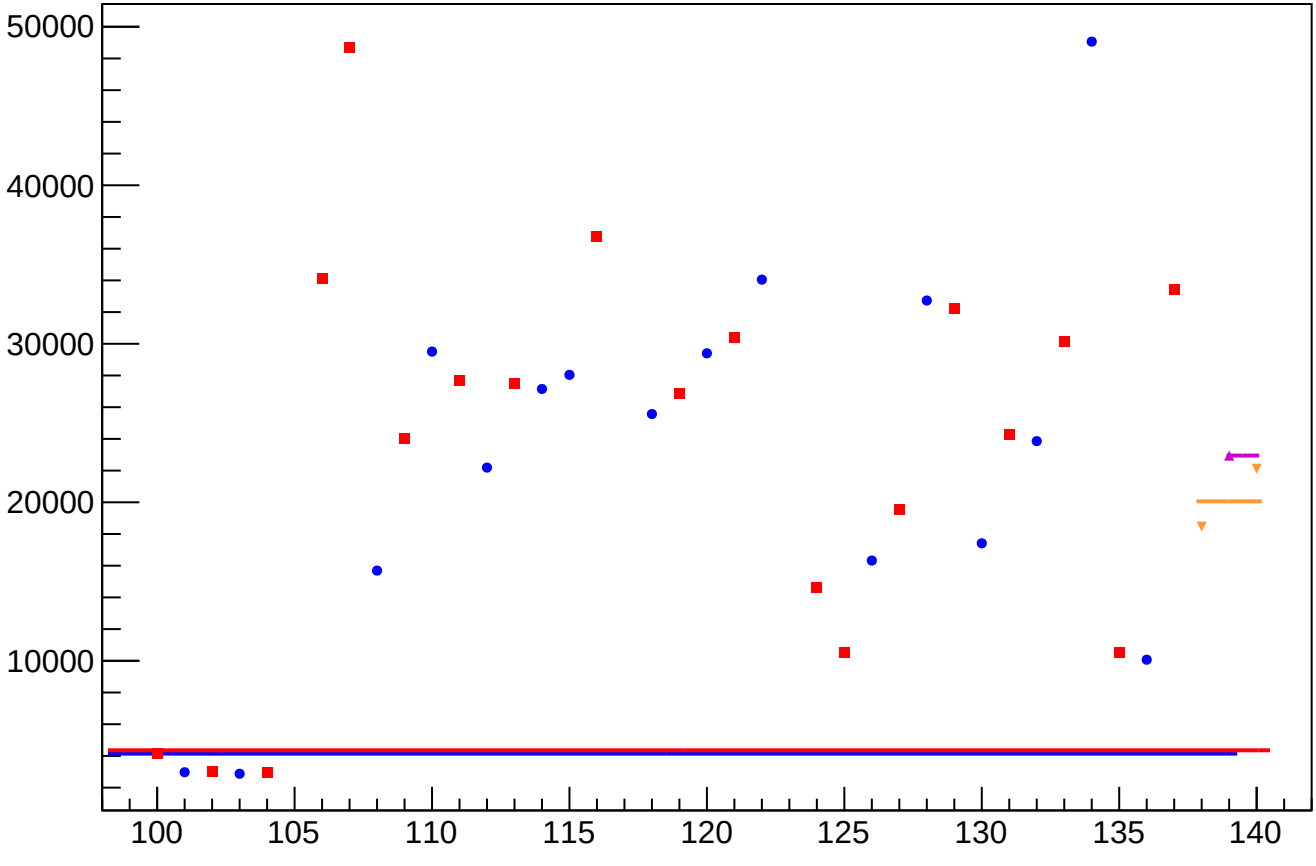
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -7.938+/-2.490 χ^2/NDF:26.7/16

Out: -2.627+/-2.611 χ^2/NDF:33.0/20

All: -5.409+/-1.802 χ^2/NDF: 61.9/37

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 20059.017+/-12.609 χ^2/NDF:20664.8/1

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 22947.851+/-20.082 χ^2/NDF:0.0/0

Left: 20875.898+/-10.679 χ^2/NDF: 35506.8/2

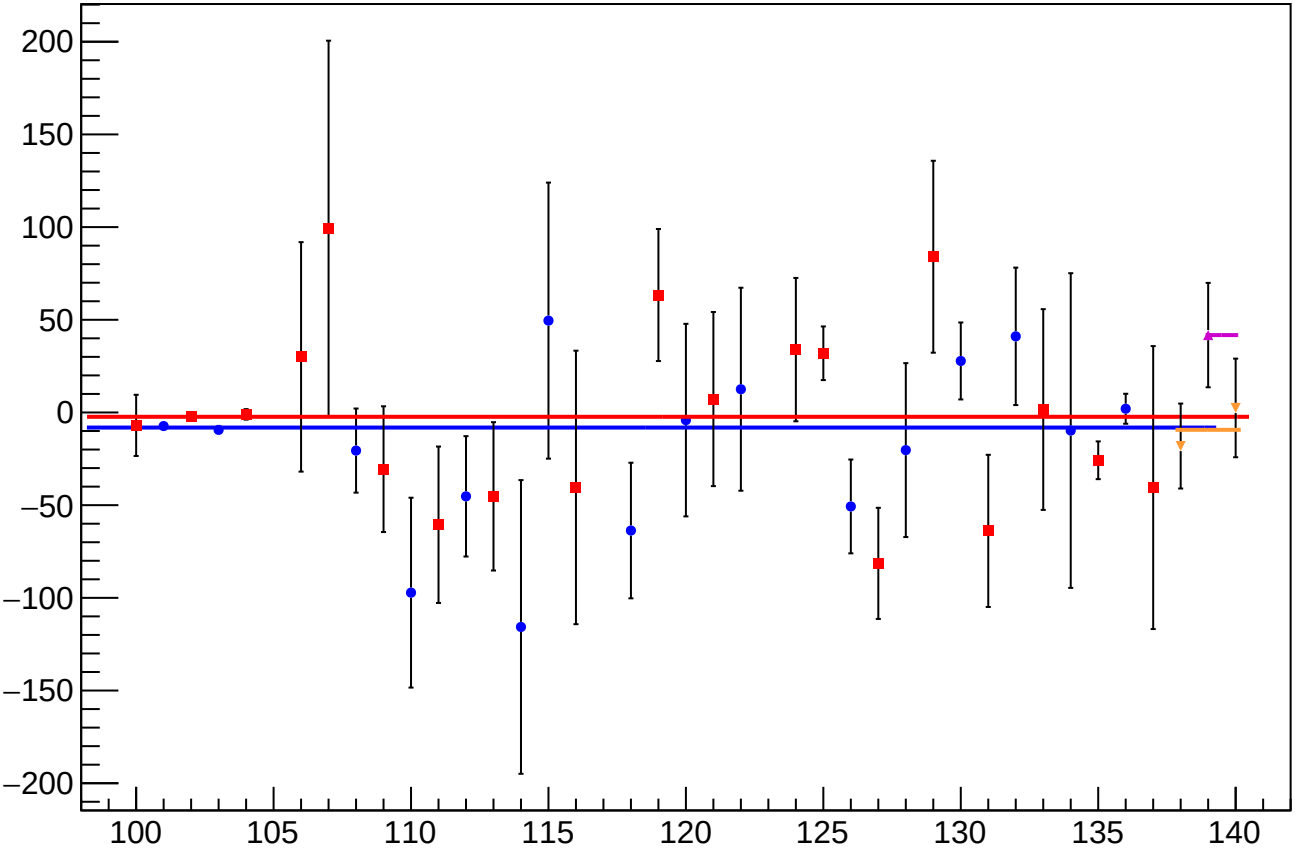
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 4290.298+/-1.761 χ^2/NDF:7706811.4/16

Out: 4691.149+/-1.846 χ^2/NDF:9163355.1/20

All: 4481.192+/-1.274 χ^2/NDF: 16894854.9/3

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -9.358+/-17.361 χ^2/NDF:0.3/1

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 41.749+/-28.158 χ^2/NDF:0.0/0

Left: 4.719+/-14.778 χ^2/NDF: 2.7/2

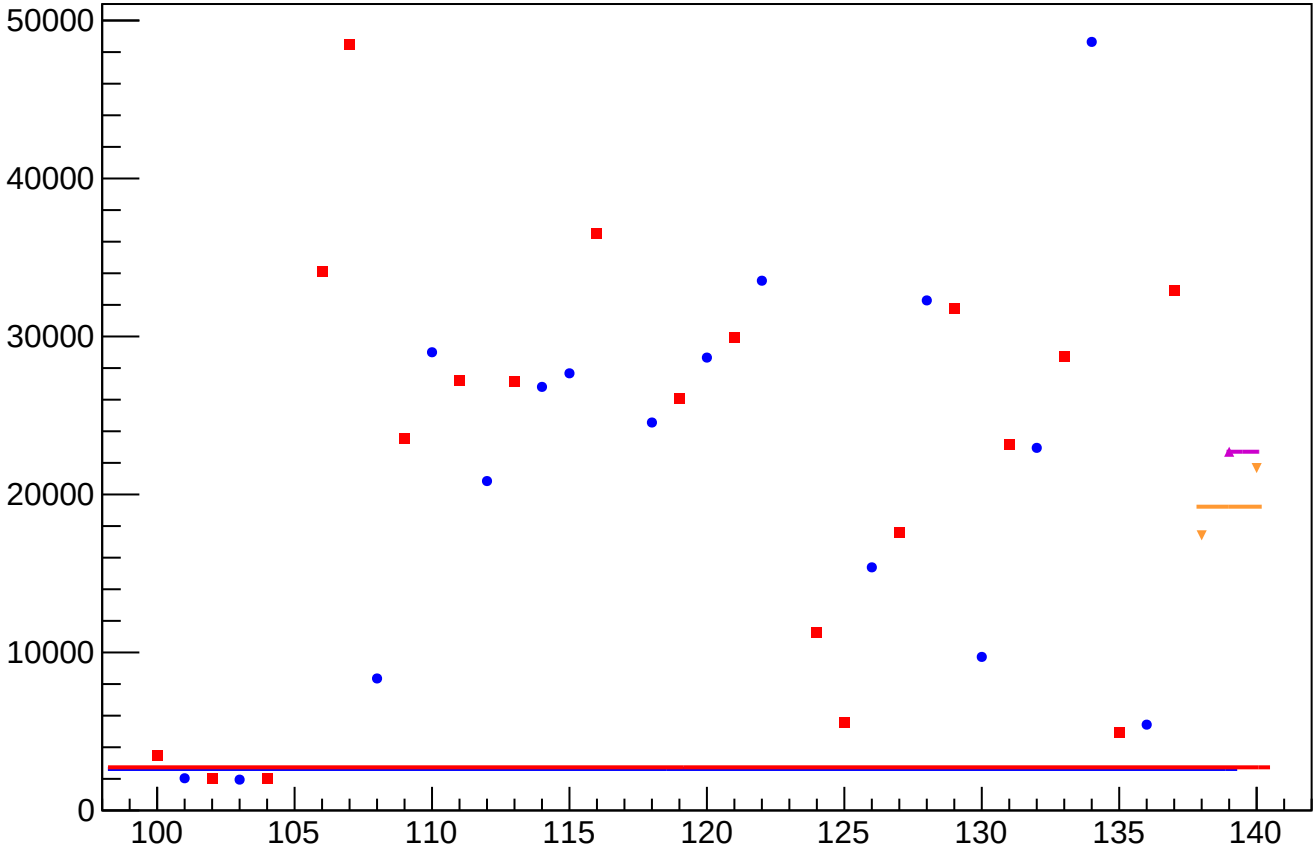
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -7.947+/-1.717 χ^2/NDF:22.2/16

Out: -2.401+/-1.812 χ^2/NDF:33.6/20

All: -5.323+/-1.246 χ^2/NDF: 60.7/37

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 19226.612+/-12.276 χ^2/NDF:29414.9/1

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 22705.324+/-19.911 χ^2/NDF:0.0/0

Left: 20184.803+/-10.450 χ^2/NDF: 51532.0/2

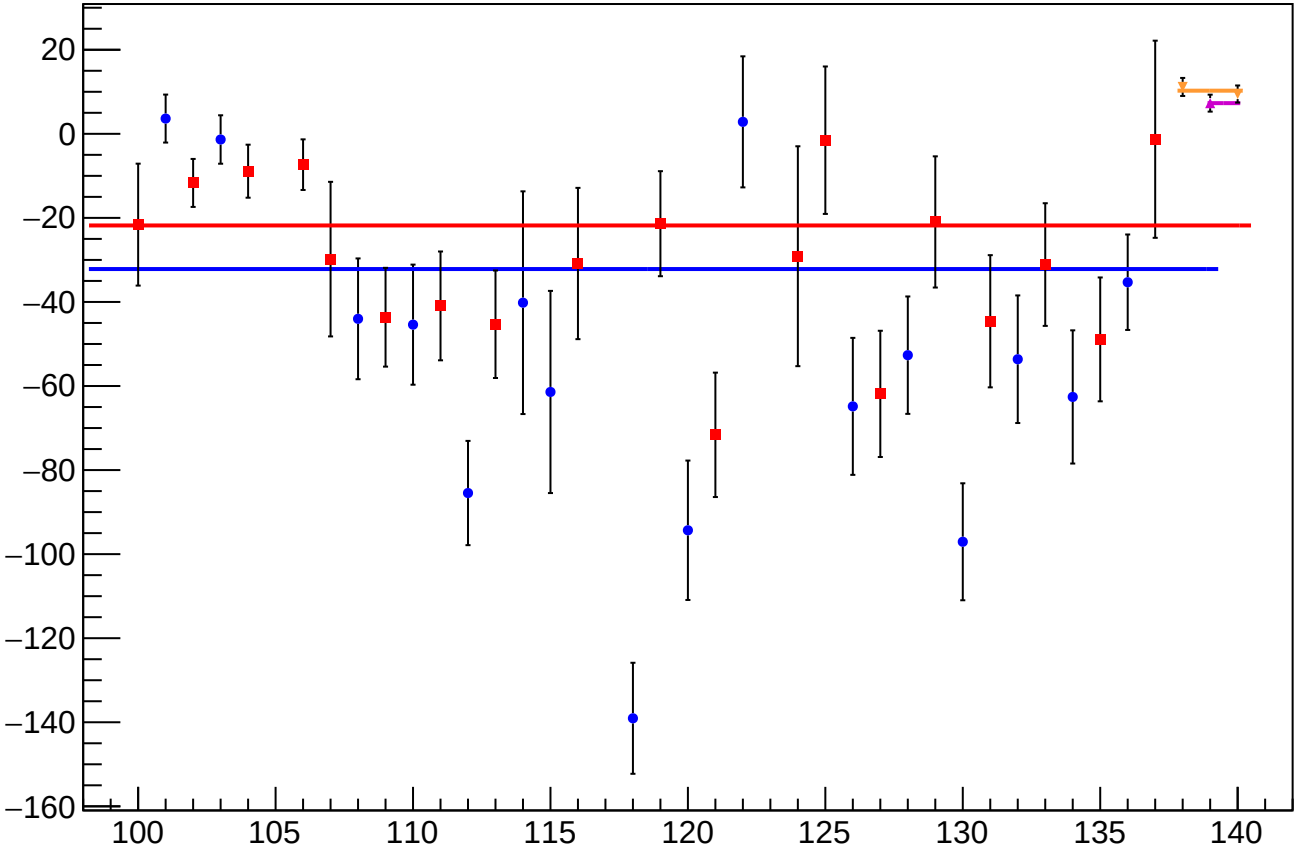
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 2701.103+/-1.214 χ^2/NDF:7794051.9/16

Out: 2909.872+/-1.281 χ^2/NDF:9801392.9/20

All: 2799.900+/-0.881 χ^2/NDF: 17609434.2/3

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.266+/-1.478 χ^2/NDF:0.3/1

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 7.300+/-2.016 χ^2/NDF:0.0/0

Left: 9.229+/-1.192 χ^2/NDF: 1.7/2

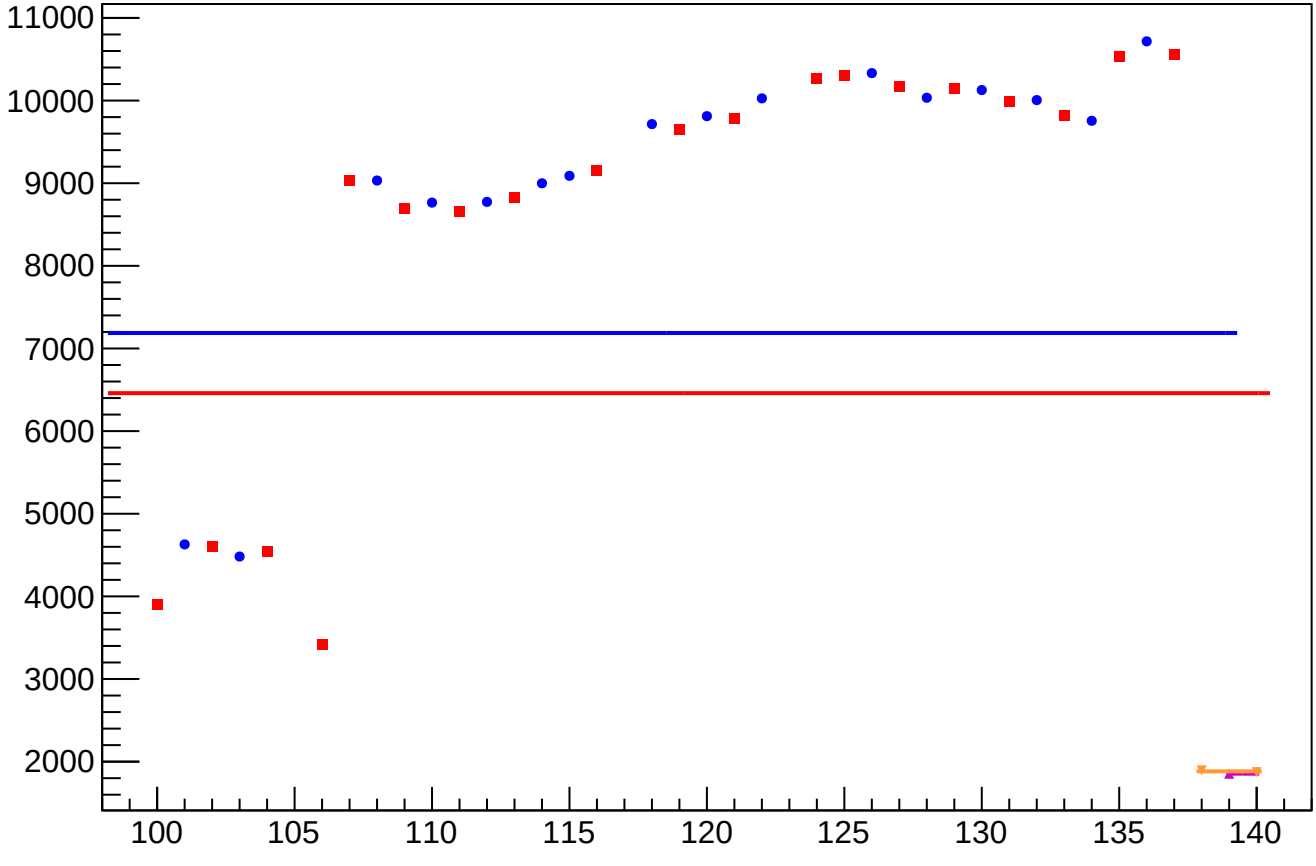
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: -5.918+/-1.645 χ^2/NDF:336.1/16

Out: 2.234+/-1.280 χ^2/NDF:167.3/20

All: -0.841+/-1.010 χ^2/NDF: 518.6/37

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1882.755+/-1.045 χ^2/NDF:103.8/1

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 1854.457+/-1.426 χ^2/NDF:0.0/0

Left: 1872.862+/-0.843 χ^2/NDF: 360.0/2

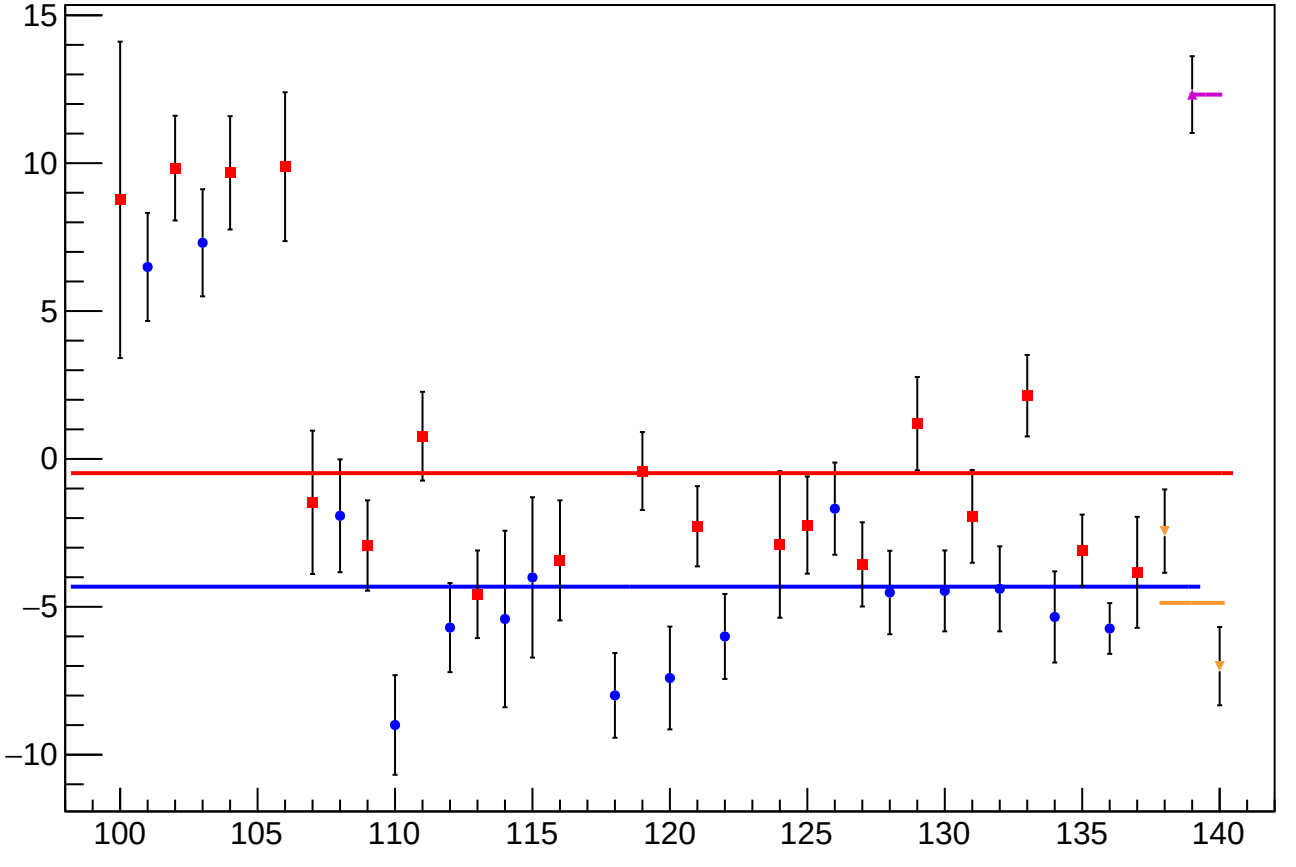
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 3640.366+/-1.163 χ^2/NDF:6390752.5/16

Out: 3029.088+/-0.905 χ^2/NDF:7077324.0/20

All: 3259.679+/-0.714 χ^2/NDF: 13640170.9/3

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -4.866+/-0.965 χ^2/NDF:5.6/1

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 12.319+/-1.298 χ^2/NDF:0.0/0

Left: 1.249+/-0.774 χ^2/NDF: 118.5/2

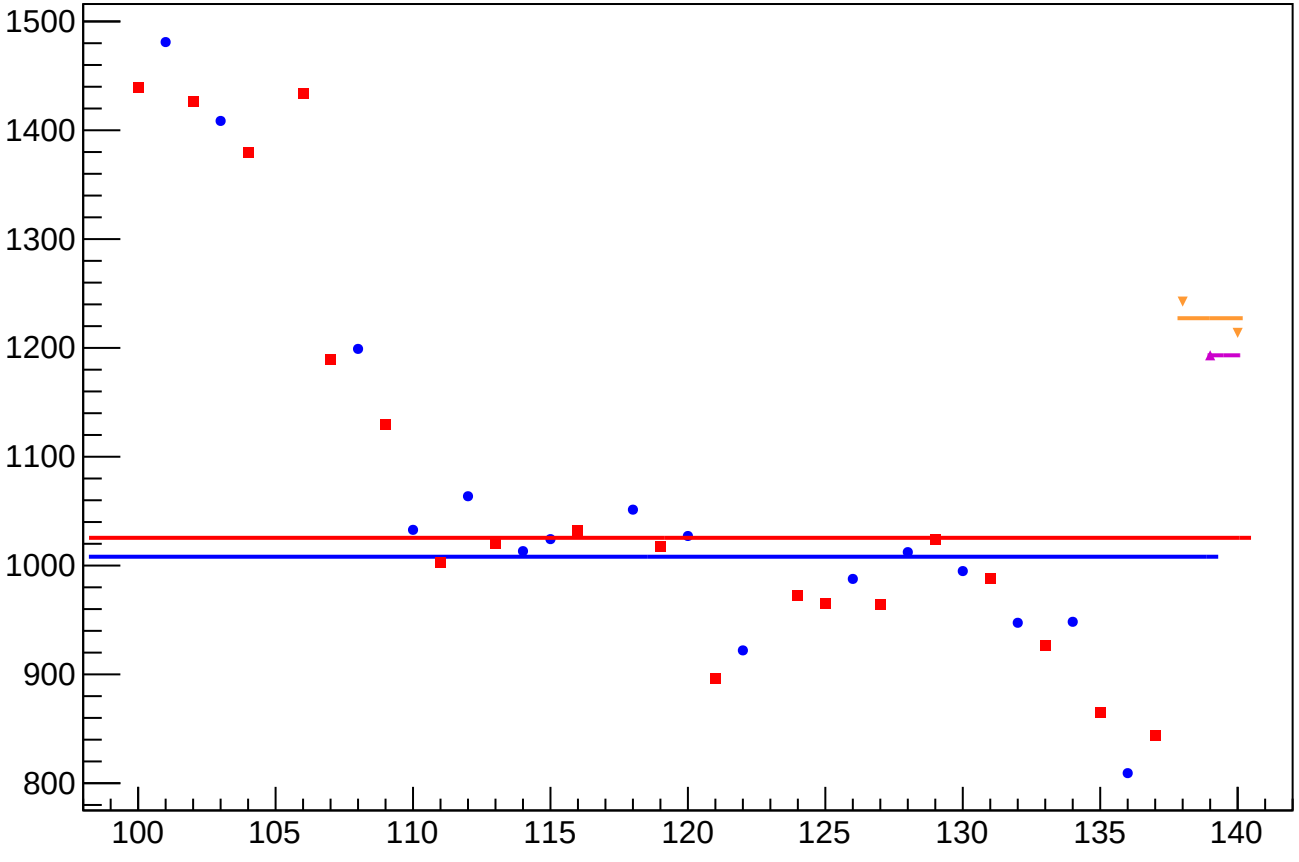
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: -3.007+/-0.364 χ^2/NDF:255.1/16

Out: -1.066+/-0.352 χ^2/NDF:140.7/20

All: -2.004+/-0.253 χ^2/NDF: 410.4/37

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1227.292+/-0.682 χ^2/NDF:441.7/1

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1193.208+/-0.918 χ^2/NDF:0.0/0

Left: 1215.163+/-0.547 χ^2/NDF: 1330.2/2

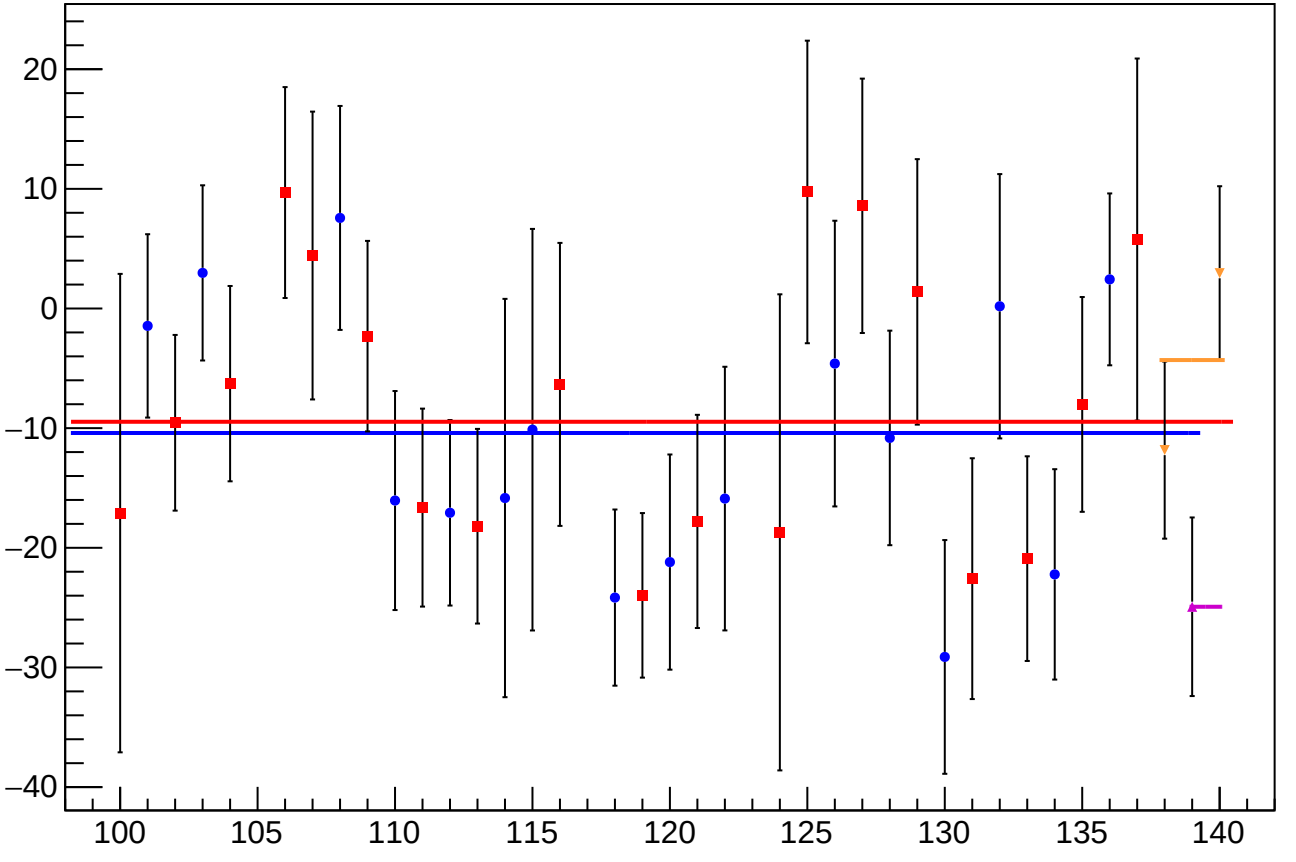
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1022.713+/-0.258 χ^2/NDF:416307.6/16

Out: 1052.430+/-0.249 χ^2/NDF:422277.9/20

All: 1038.068+/-0.179 χ^2/NDF: 845456.2/37

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -4.309+/-5.187 χ^2/NDF:2.0/1

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -24.927+/-7.463 χ^2/NDF:0.0/0

Left: -11.024+/-4.259 χ^2/NDF: 7.2/2

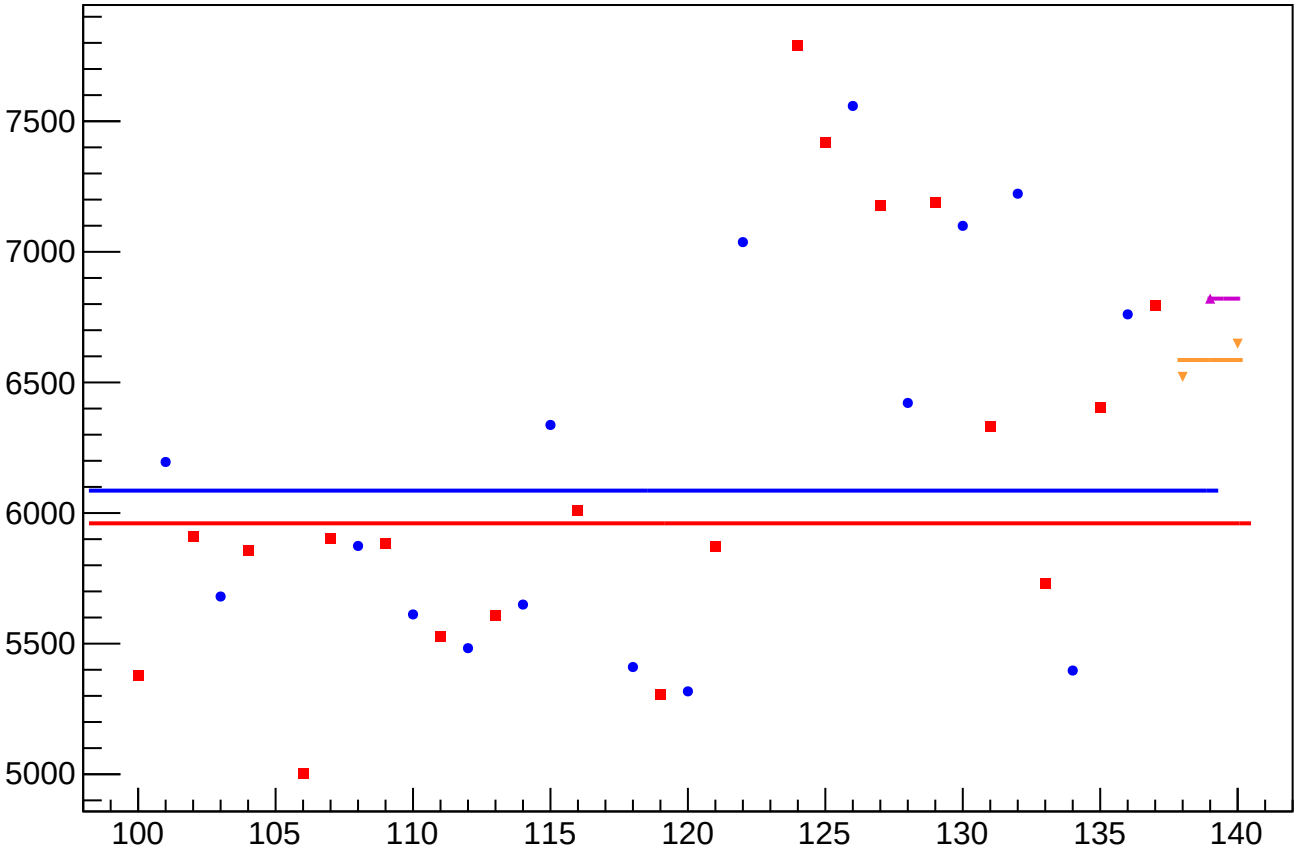
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -11.644+/-2.181 χ^2/NDF:28.1/16

Out: -8.686+/-2.018 χ^2/NDF:28.2/20

All: -10.051+/-1.481 χ^2/NDF: 57.3/37

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6585.988+/-3.668 χ^2/NDF:299.4/1

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6820.907+/-5.277 χ^2/NDF:0.0/0

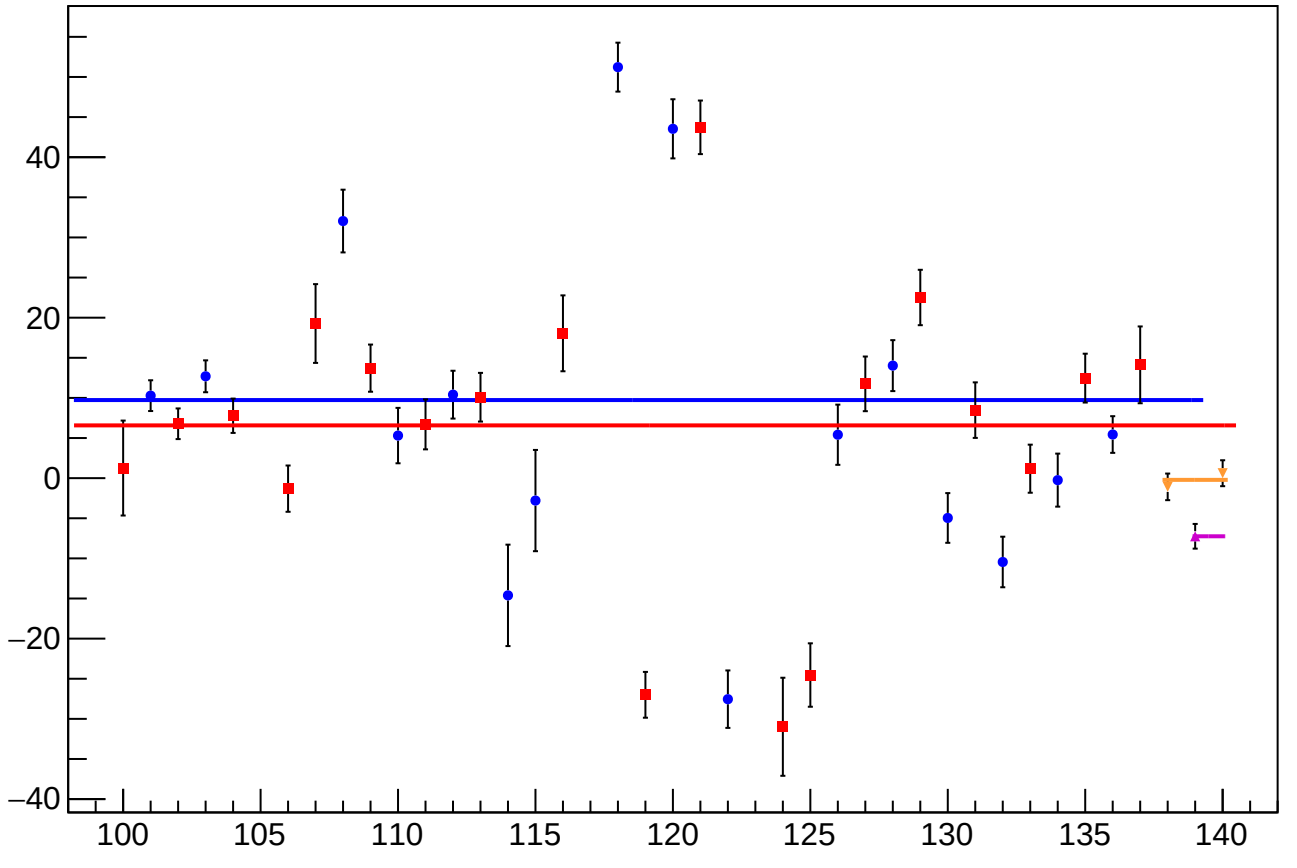
Left: 6662.501+/-3.012 χ^2/NDF: 1635.7/2

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6148.621+/-1.542 χ^2/NDF:196863.2/16

Out: 6055.300+/-1.427 χ^2/NDF:187744.7/20

All: 6098.359+/-1.047 χ^2/NDF: 386580.9/37



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: -0.213+/-1.157 χ^2/NDF:0.5/1

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -7.245+/-1.539 χ^2/NDF:0.0/0

Left: -2.752+/-0.925 χ^2/NDF: 13.9/2

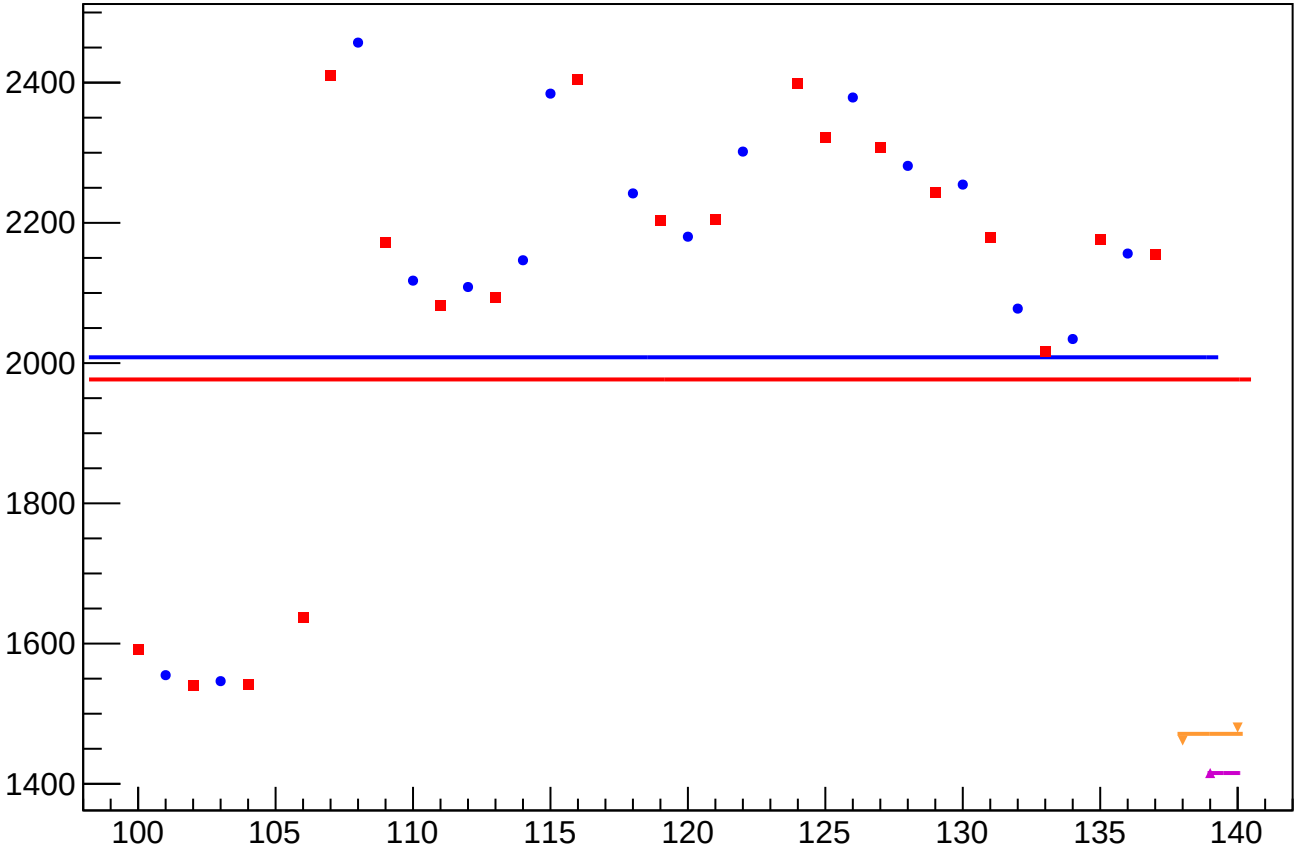
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: 6.441+/-0.678 χ^2/NDF:610.5/16

Out: 4.642+/-0.618 χ^2/NDF:448.9/20

All: 5.458+/-0.457 χ^2/NDF: 1063.2/37

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1471.287+/-0.818 χ^2/NDF:128.2/1

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1415.398+/-1.088 χ^2/NDF:0.0/0

Left: 1451.108+/-0.654 χ^2/NDF: 1813.0/2

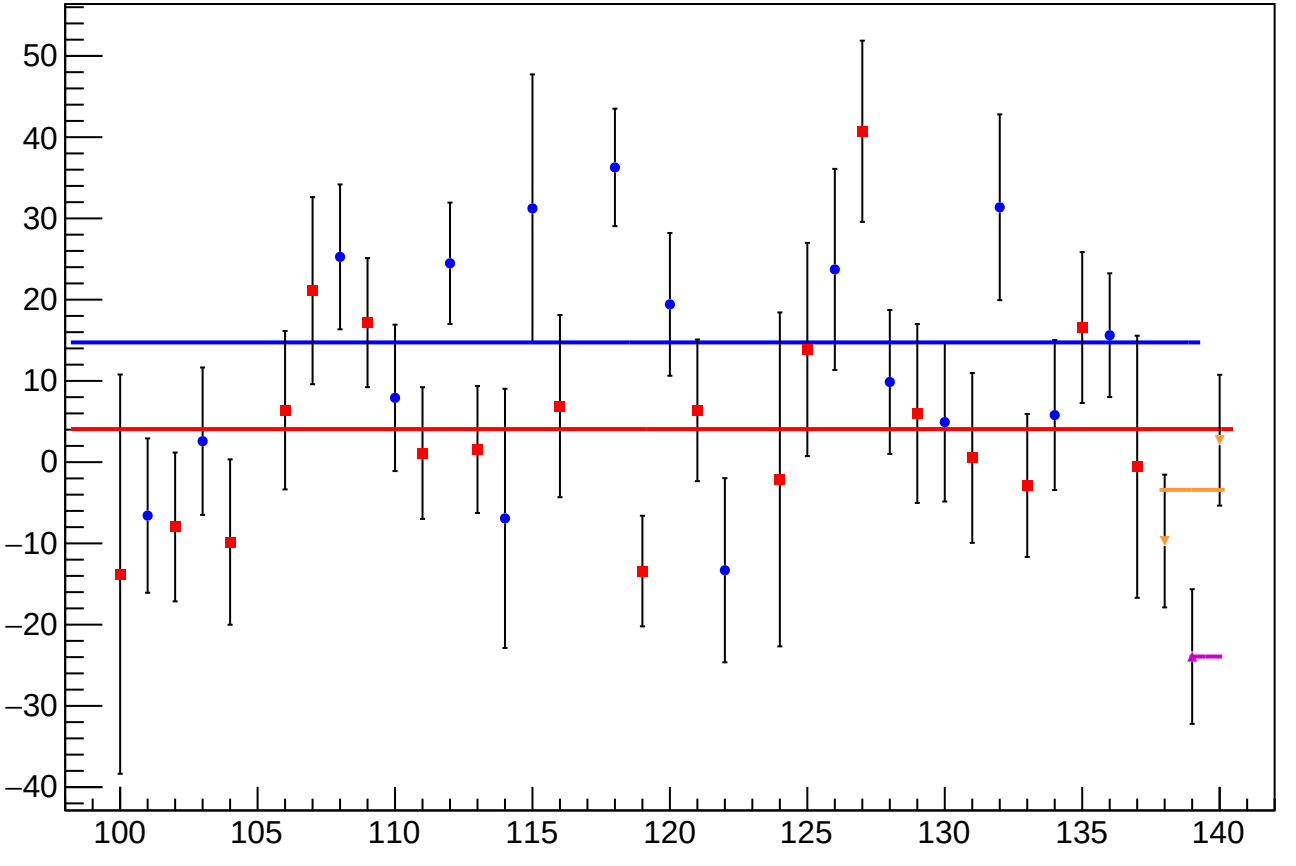
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1893.326+/-0.479 χ^2/NDF:583602.0/16

Out: 1832.691+/-0.437 χ^2/NDF:638362.2/20

All: 1860.197+/-0.323 χ^2/NDF: 1230709.4/37

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -3.411+/-5.734 χ^2/NDF:1.2/1

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -23.927+/-8.287 χ^2/NDF:0.0/0

Left: -10.054+/-4.716 χ^2/NDF: 5.3/2

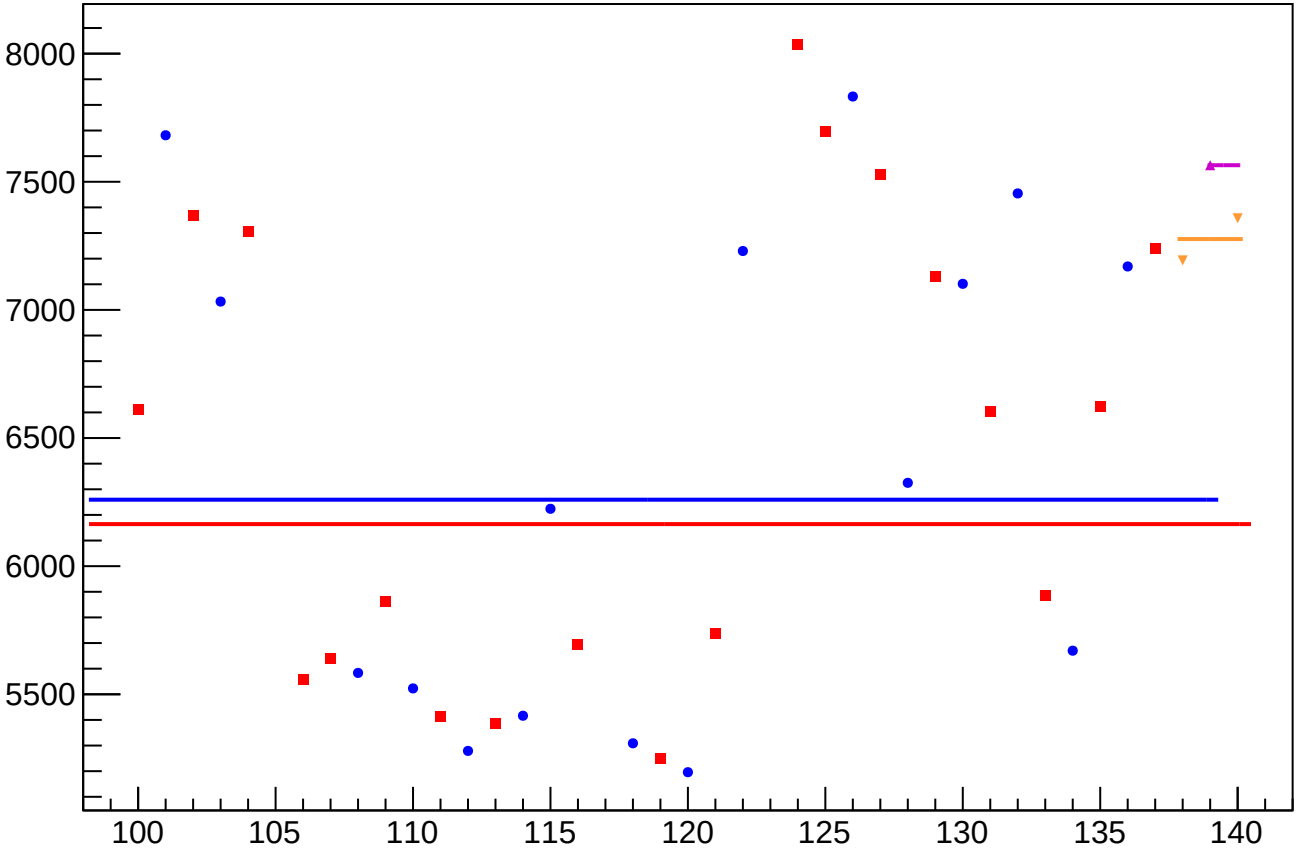
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 11.844+/-2.268 χ^2/NDF:53.7/16

Out: 3.055+/-2.114 χ^2/NDF:32.8/20

All: 7.141+/-1.546 χ^2/NDF: 94.5/37

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 7276.535+/-4.055 χ^2/NDF:410.4/1

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 7564.650+/-5.860 χ^2/NDF:0.0/0

Left: 7369.827+/-3.334 χ^2/NDF: 2045.2/2

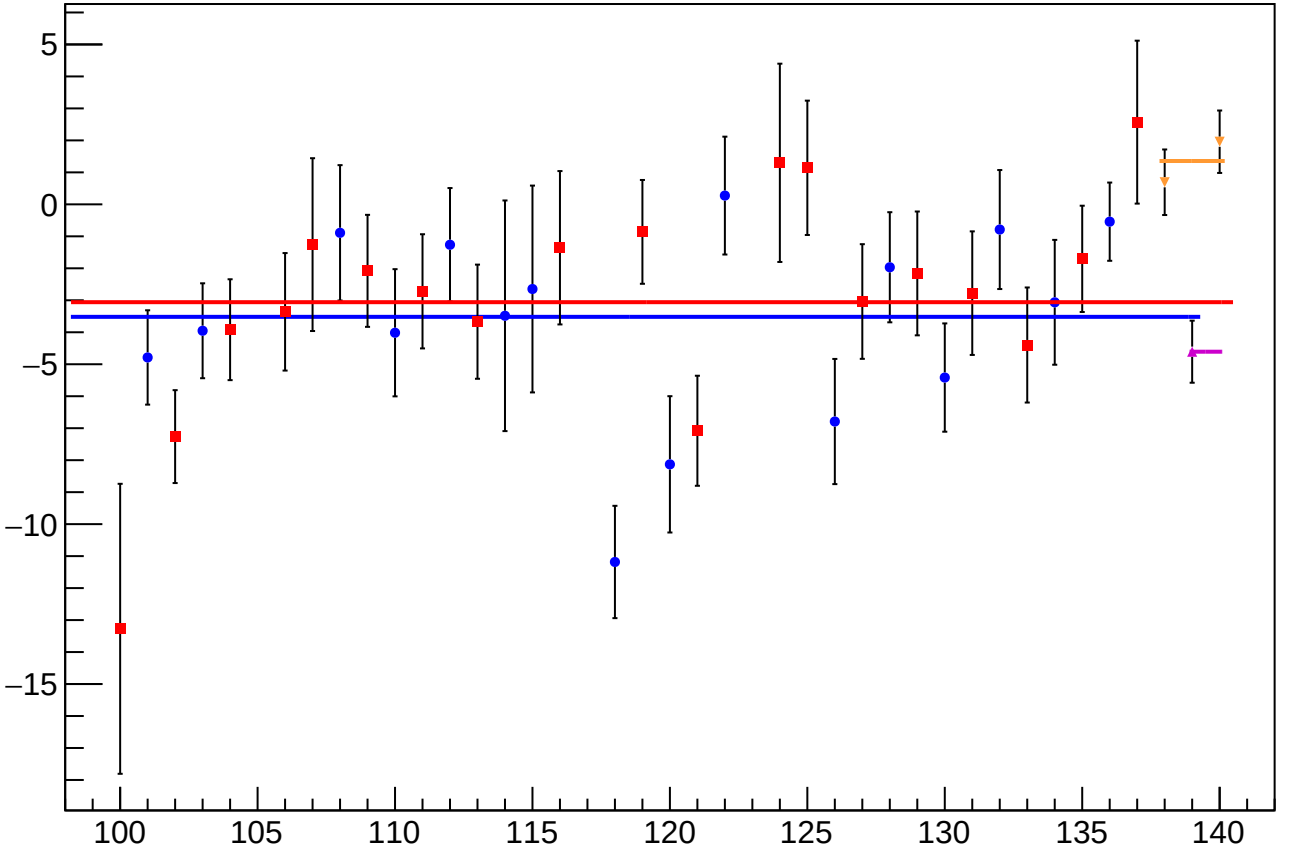
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6357.153+/-1.603 χ^2/NDF:354508.4/16

Out: 6315.268+/-1.495 χ^2/NDF:330504.0/20

All: 6334.740+/-1.093 χ^2/NDF: 685377.5/37

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.355+/-0.707 χ^2/NDF:0.8/1

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -4.608+/-0.970 χ^2/NDF:0.0/0

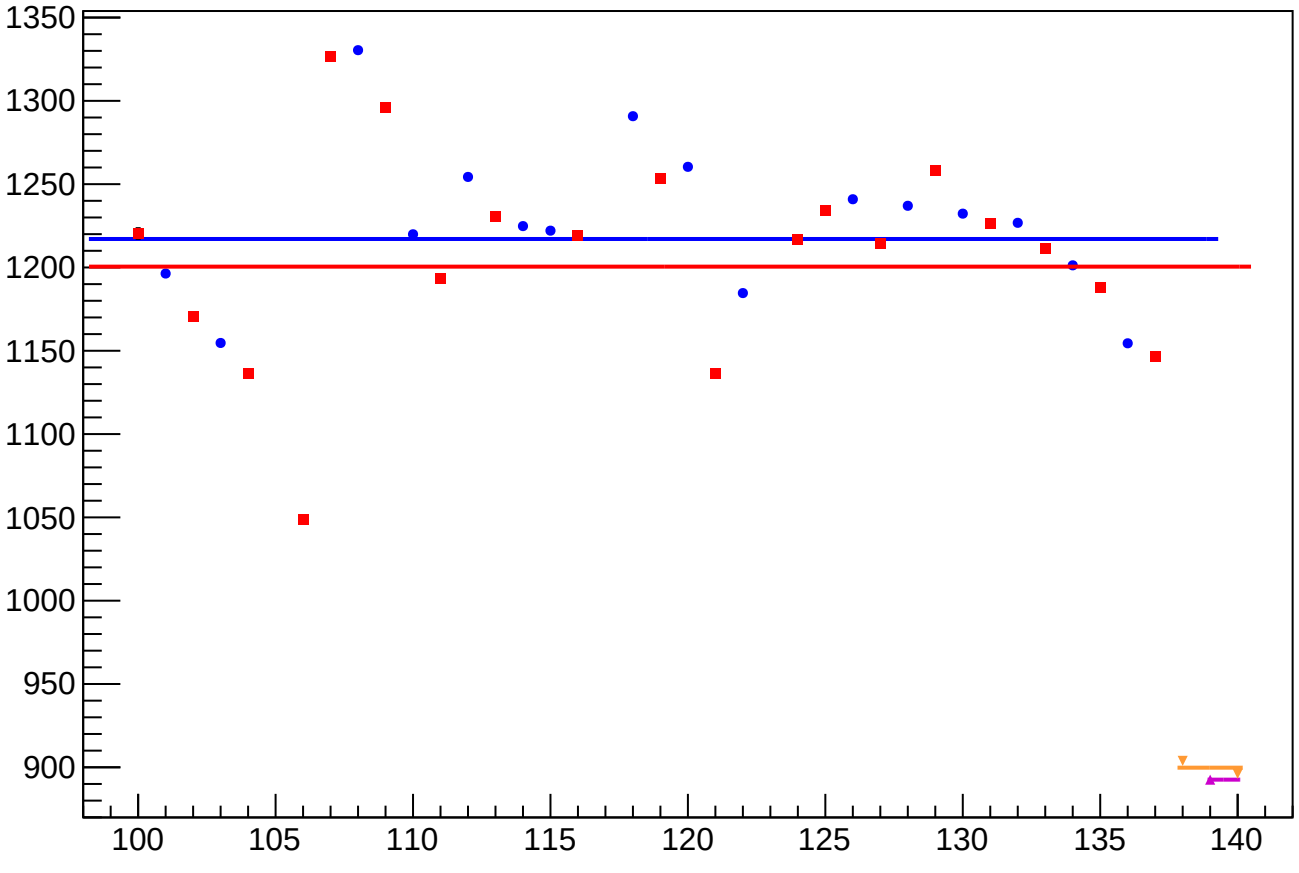
Left: -0.712+/-0.571 χ^2/NDF: 25.5/2

Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.712+/-0.410 χ^2/NDF:46.1/16

Out: -1.833+/-0.373 χ^2/NDF:63.8/20

All: -2.683+/-0.276 χ^2/NDF: 121.4/37



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 899.774+/-0.500 χ^2/NDF:60.6/1

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 892.584+/-0.686 χ^2/NDF:0.0/0

Left: 897.281+/-0.404 χ^2/NDF: 132.4/2

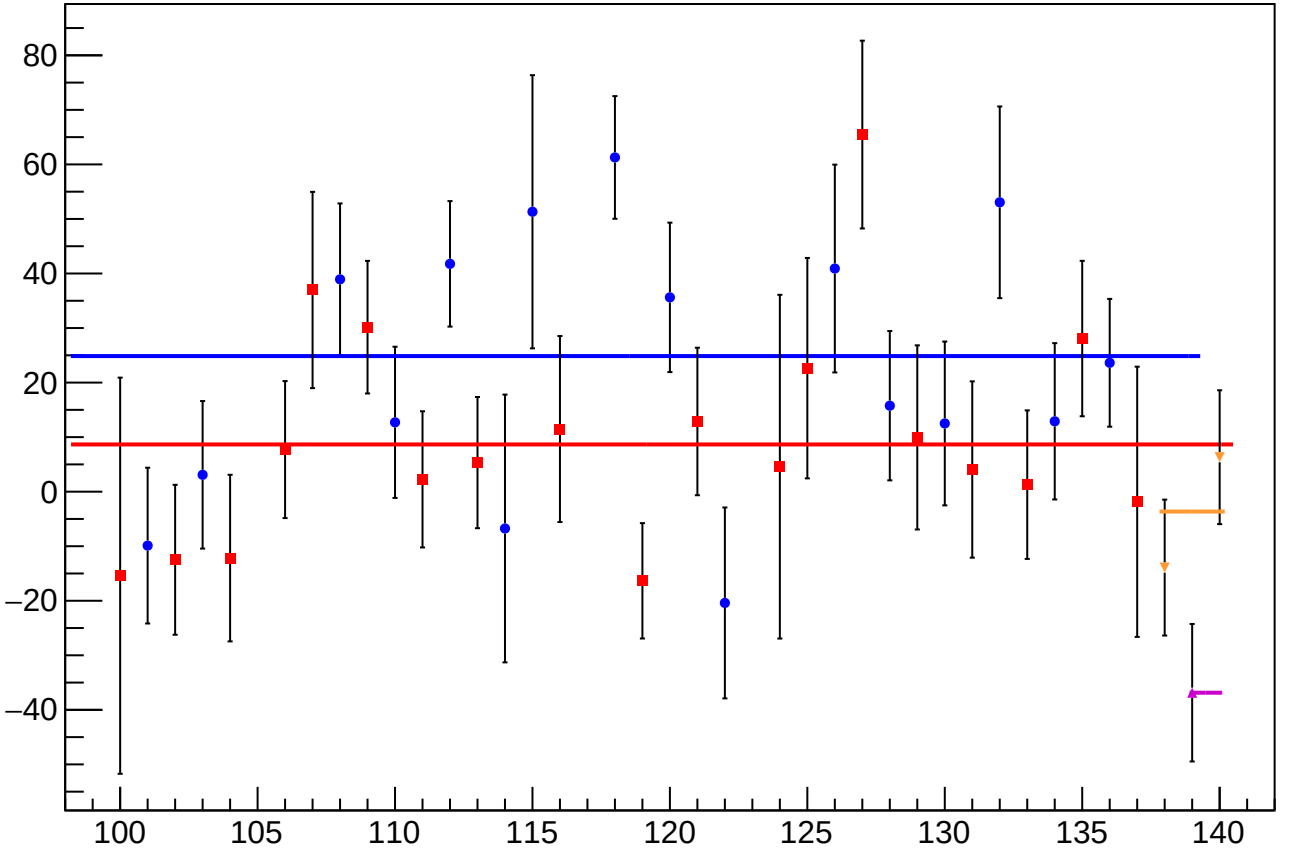
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1159.138+/-0.290 χ^2/NDF:205465.6/16

Out: 1116.958+/-0.263 χ^2/NDF:299207.4/20

All: 1136.030+/-0.195 χ^2/NDF: 516267.7/37

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -3.645+/-8.743 χ^2/NDF:1.3/1

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -36.860+/-12.607 χ^2/NDF:0.0/0

Left: -14.431+/-7.184 χ^2/NDF: 6.0/2

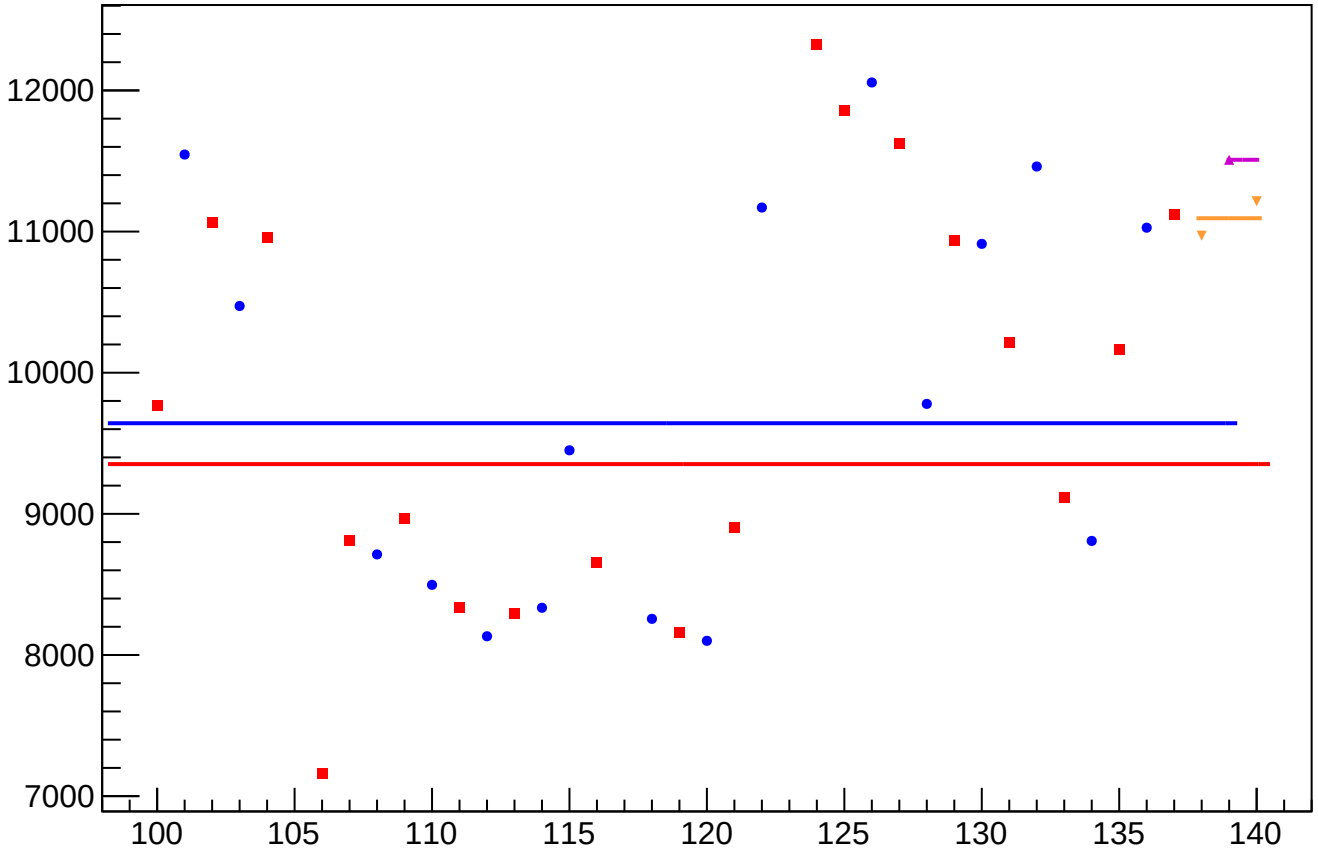
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 20.140+/-3.486 χ^2/NDF:60.3/16

Out: 6.997+/-3.212 χ^2/NDF:33.2/20

All: 13.031+/-2.362 χ^2/NDF: 101.1/37

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 11094.546+/-6.182 χ^2/NDF:387.8/1

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 11508.693+/-8.915 χ^2/NDF:0.0/0

Left: 11229.027+/-5.080 χ^2/NDF: 1845.2/2

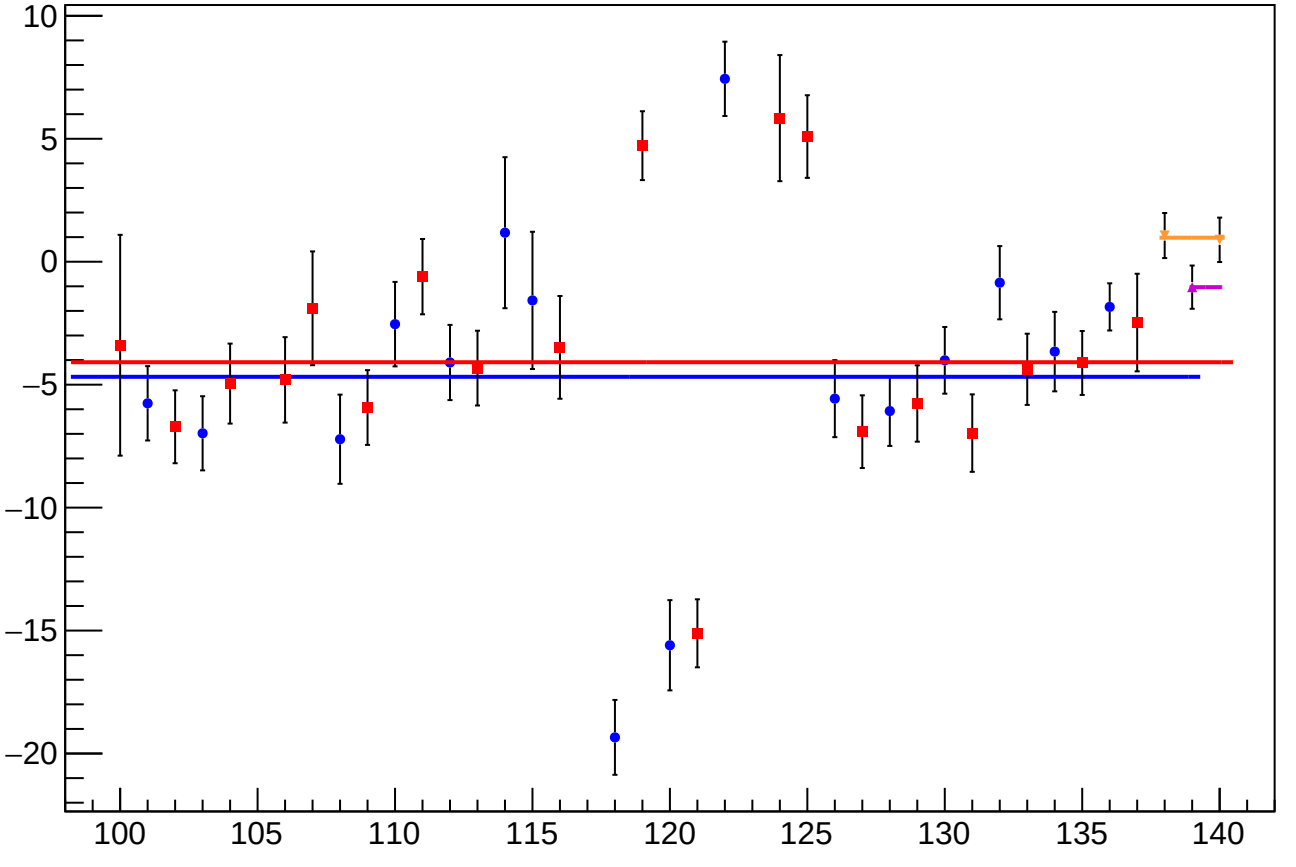
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9784.826+/-2.465 χ^2/NDF:320146.7/16

Out: 9587.669+/-2.271 χ^2/NDF:370857.3/20

All: 9678.186+/-1.670 χ^2/NDF: 694463.2/37

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.976+/-0.643 χ^2/NDF:0.0/1

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.034+/-0.879 χ^2/NDF:0.0/0

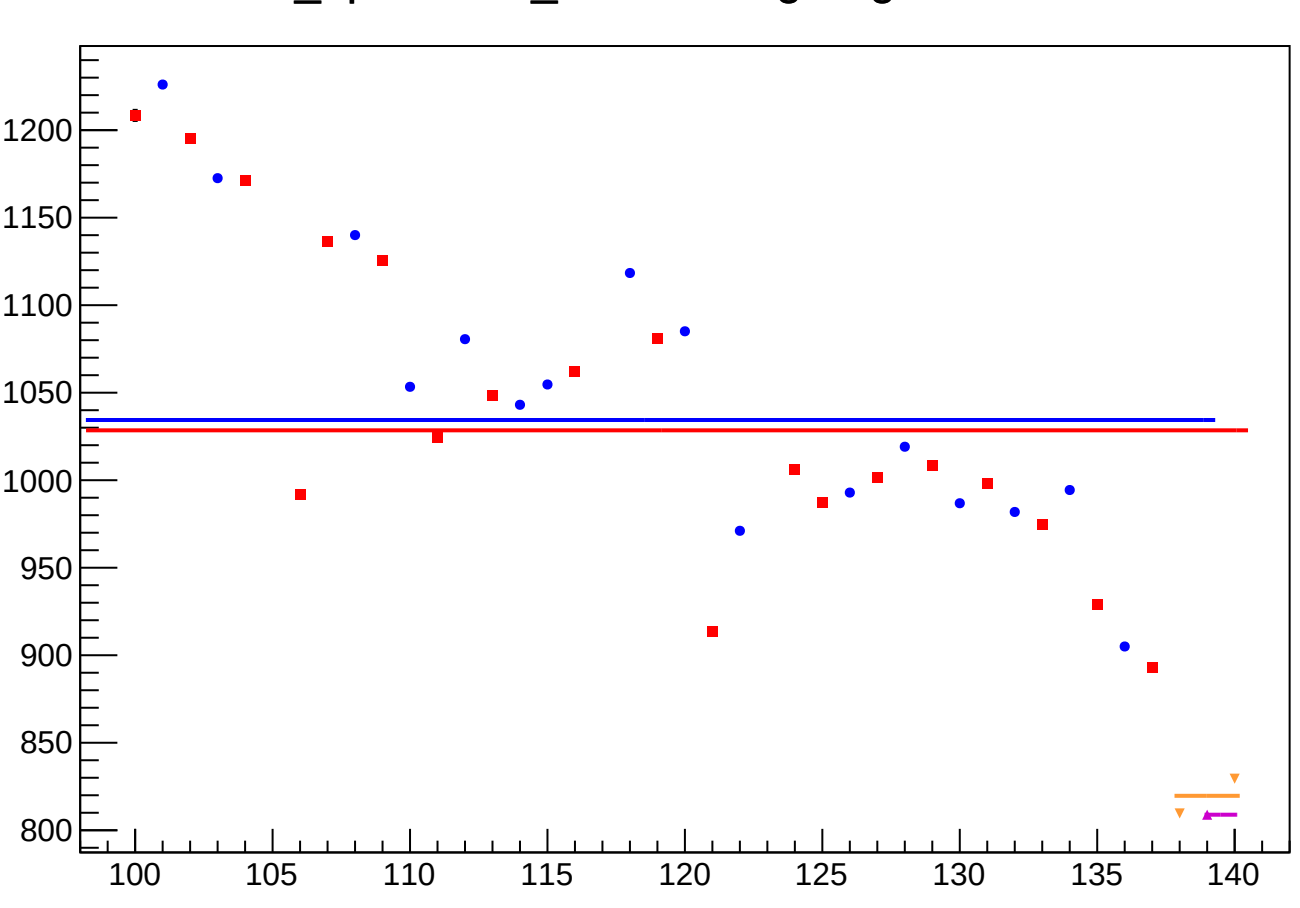
Left: 0.275+/-0.519 χ^2/NDF: 3.4/2

Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -4.092+/-0.353 χ^2/NDF:235.6/16

Out: -2.796+/-0.325 χ^2/NDF:214.2/20

All: -3.390+/-0.239 χ^2/NDF: 457.1/37



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 819.685+/-0.455 χ^2/NDF:475.1/1

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 808.888+/-0.622 χ^2/NDF:0.0/0

Left: 815.920+/-0.367 χ^2/NDF: 671.5/2

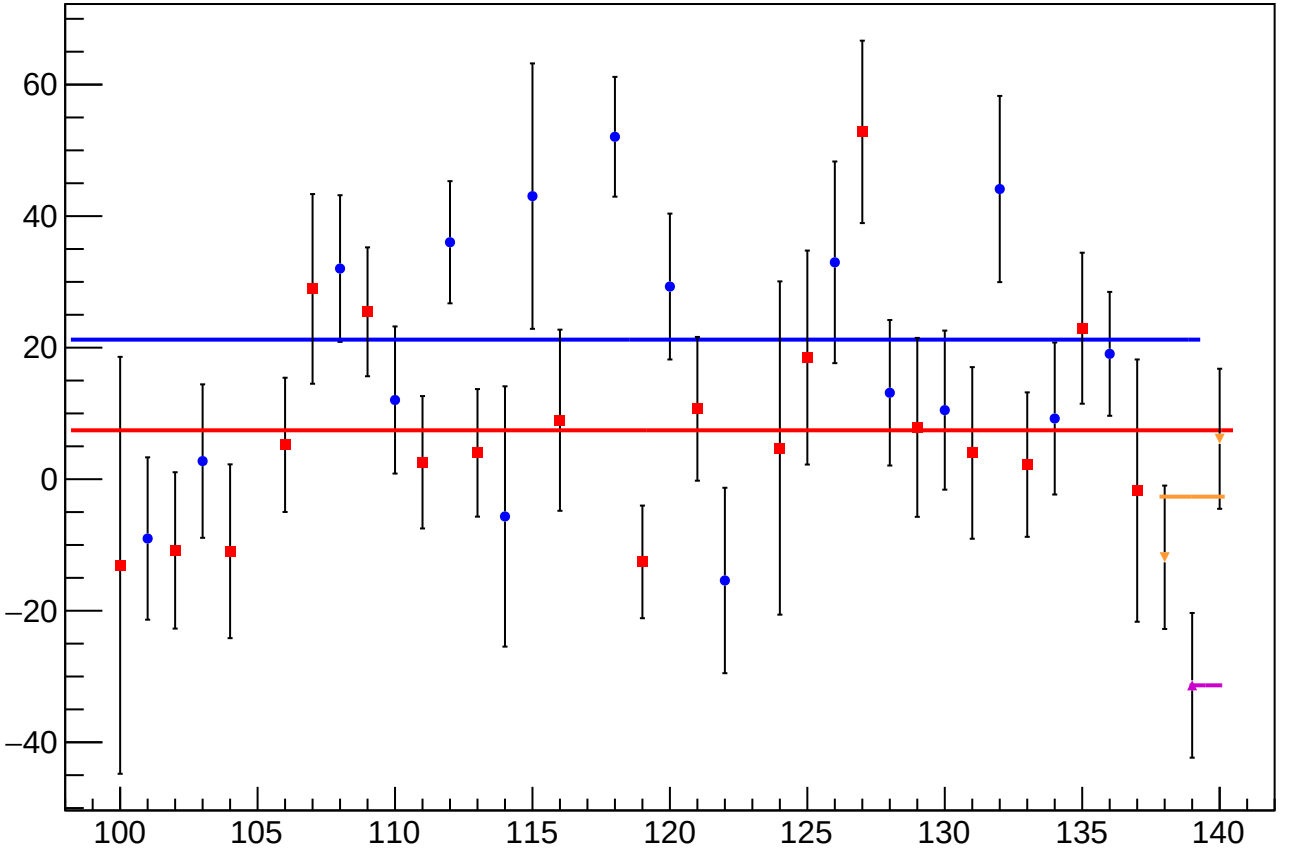
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 998.004+/-0.250 χ^2/NDF:223584.4/16

Out: 975.266+/-0.230 χ^2/NDF:259035.1/20

All: 985.685+/-0.169 χ^2/NDF: 487108.6/37

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -2.653+/-7.618 χ^2/NDF:1.4/1

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -31.341+/-11.004 χ^2/NDF:0.0/0

Left: -11.947+/-6.263 χ^2/NDF: 6.0/2

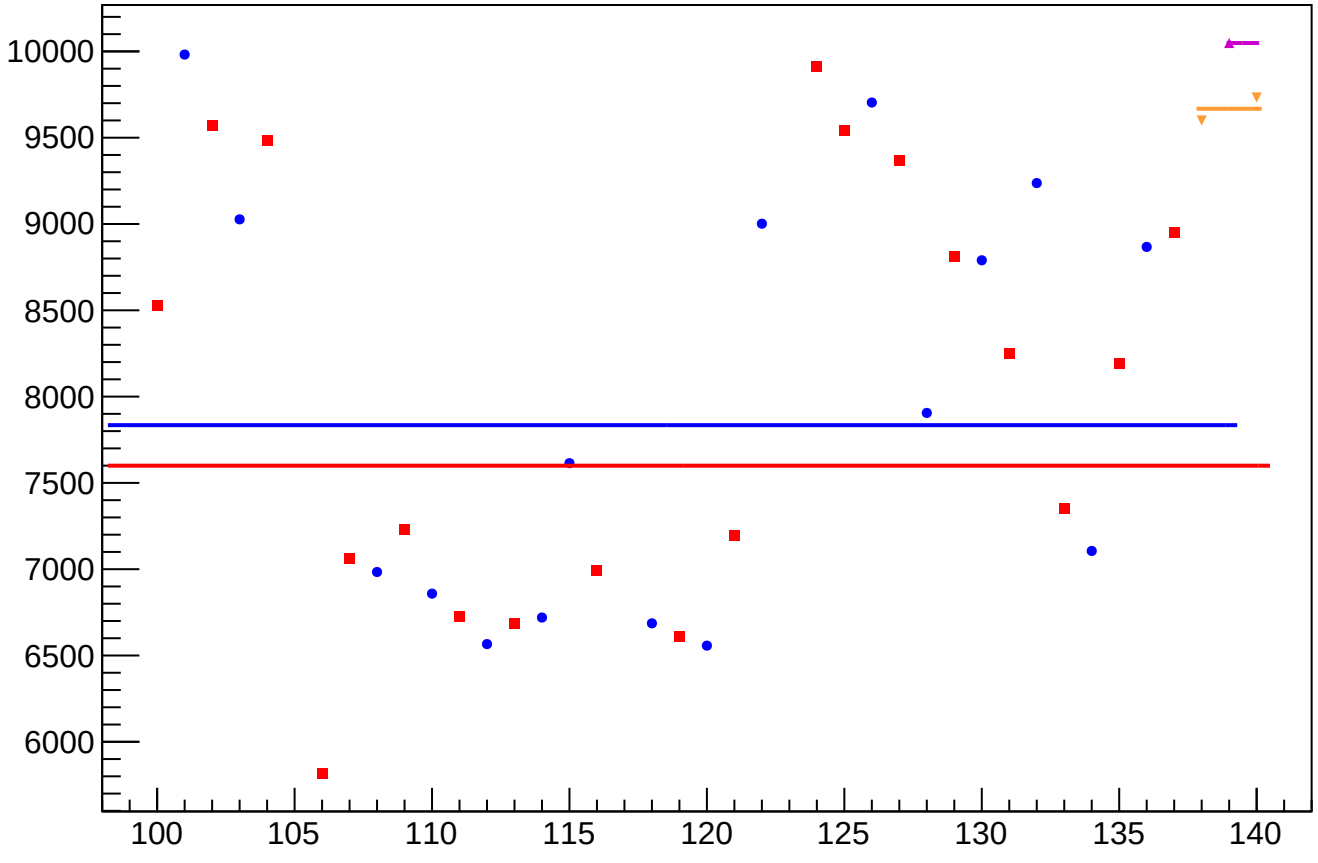
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 17.694+/-2.851 χ^2/NDF:61.4/16

Out: 6.227+/-2.637 χ^2/NDF:32.7/20

All: 11.513+/-1.936 χ^2/NDF: 102.8/37

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9667.788+/-5.386 χ^2/NDF:153.0/1

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 10048.582+/-7.781 χ^2/NDF:0.0/0

Left: 9791.155+/-4.429 χ^2/NDF: 1772.1/2

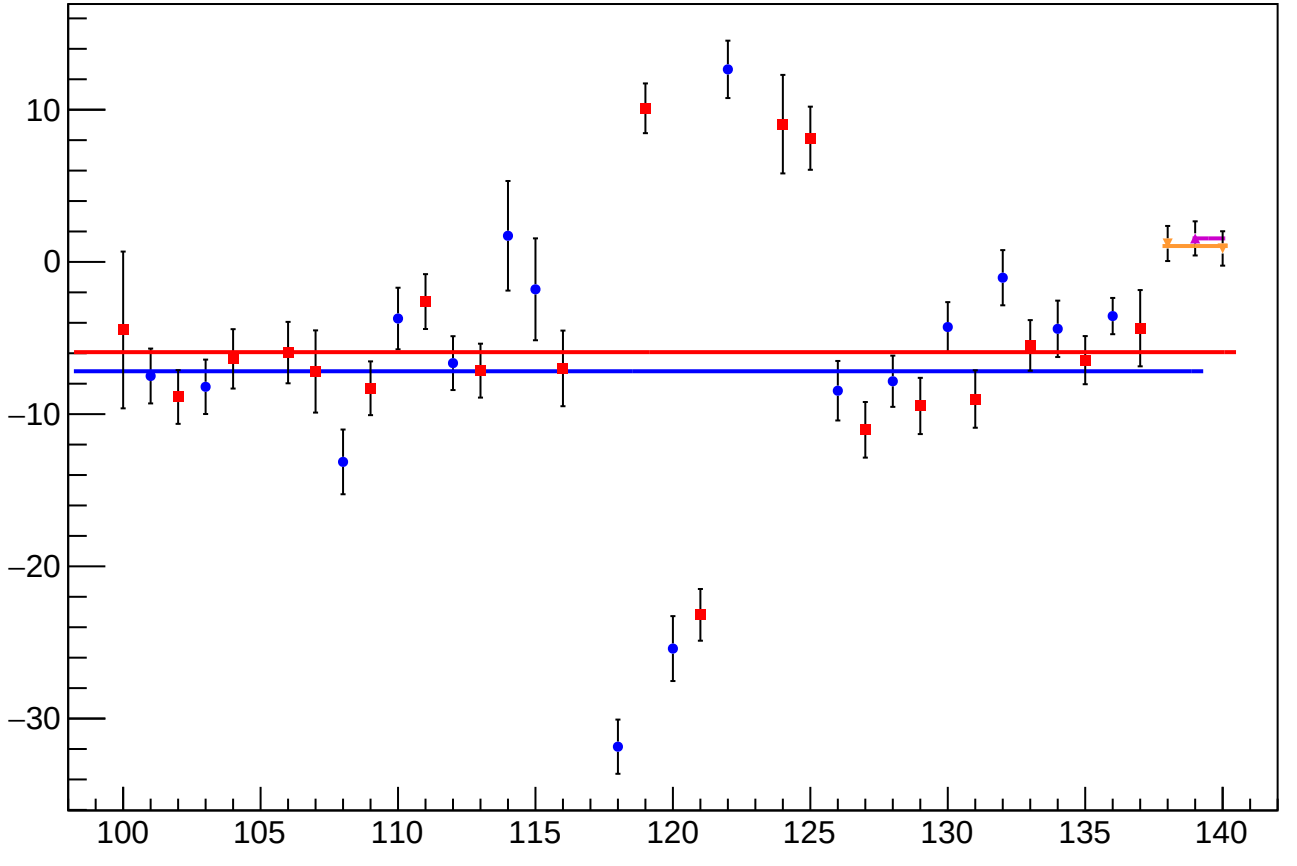
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 7983.239+/-2.016 χ^2/NDF:393617.9/16

Out: 7847.502+/-1.864 χ^2/NDF:474198.2/20

All: 7910.076+/-1.369 χ^2/NDF: 870259.7/37

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.045+/-0.807 χ^2/NDF:0.0/1

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.546+/-1.122 χ^2/NDF:0.0/0

Left: 1.215+/-0.655 χ^2/NDF: 0.2/2

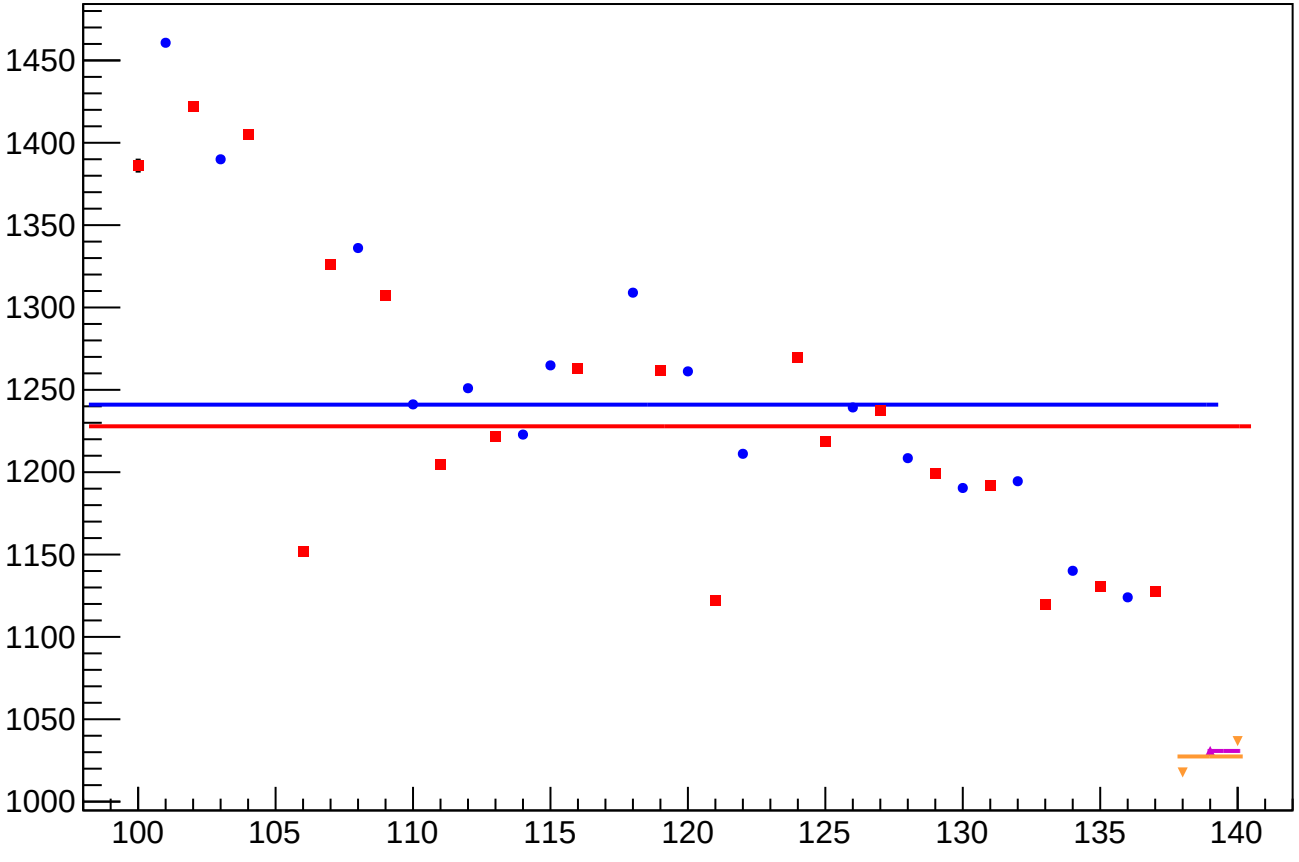
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -5.916+/-0.427 χ^2/NDF:474.0/16

Out: -4.278+/-0.392 χ^2/NDF:347.4/20

All: -5.027+/-0.289 χ^2/NDF: 829.4/37

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1027.404+/-0.571 χ^2/NDF:277.9/1

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1030.762+/-0.793 χ^2/NDF:0.0/0

Left: 1028.549+/-0.463 χ^2/NDF: 289.7/2

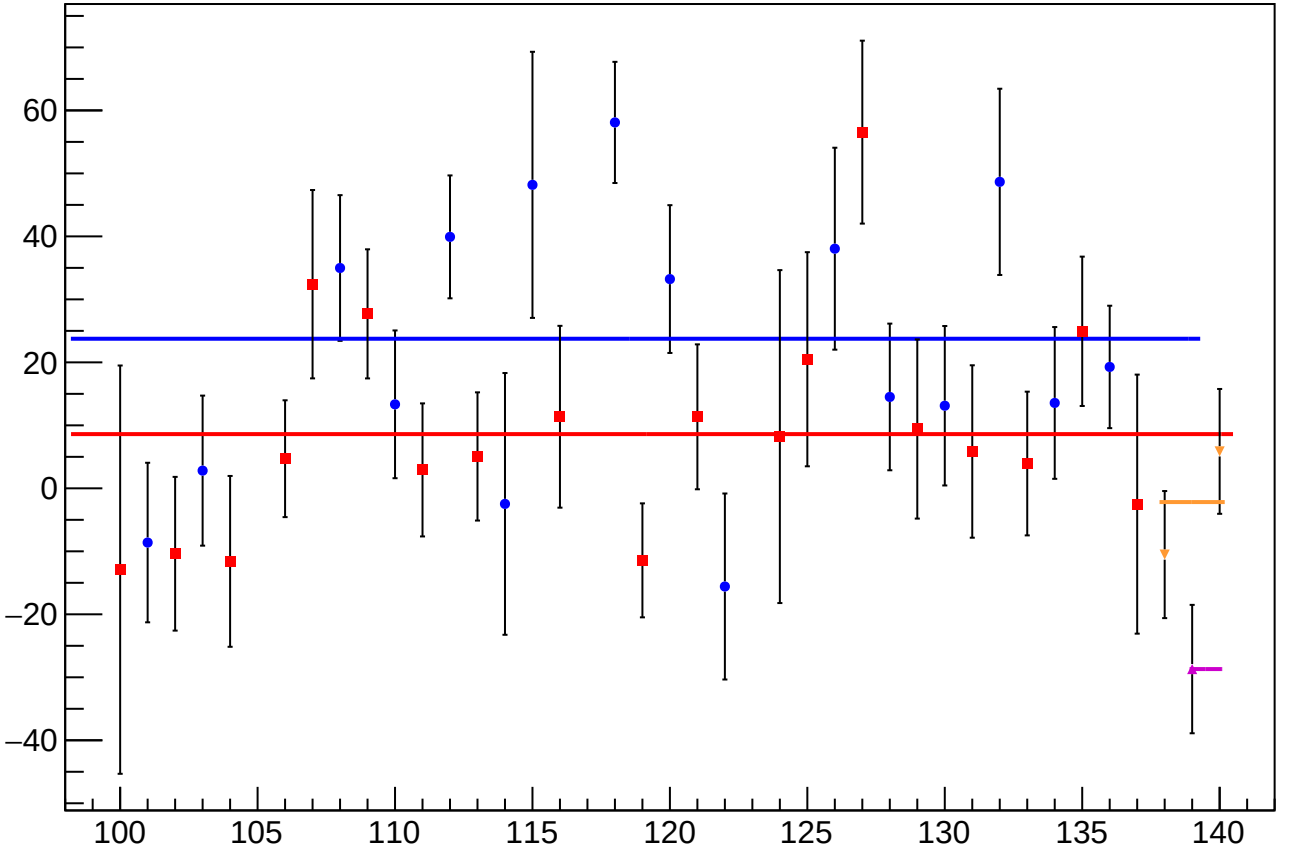
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1210.485+/-0.302 χ^2/NDF:140696.3/16

Out: 1180.437+/-0.278 χ^2/NDF:176866.7/20

All: 1194.180+/-0.204 χ^2/NDF: 322925.5/37

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -2.180+/-7.069 χ^2/NDF:1.3/1

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -28.694+/-10.192 χ^2/NDF:0.0/0

Left: -10.792+/-5.809 χ^2/NDF: 5.9/2

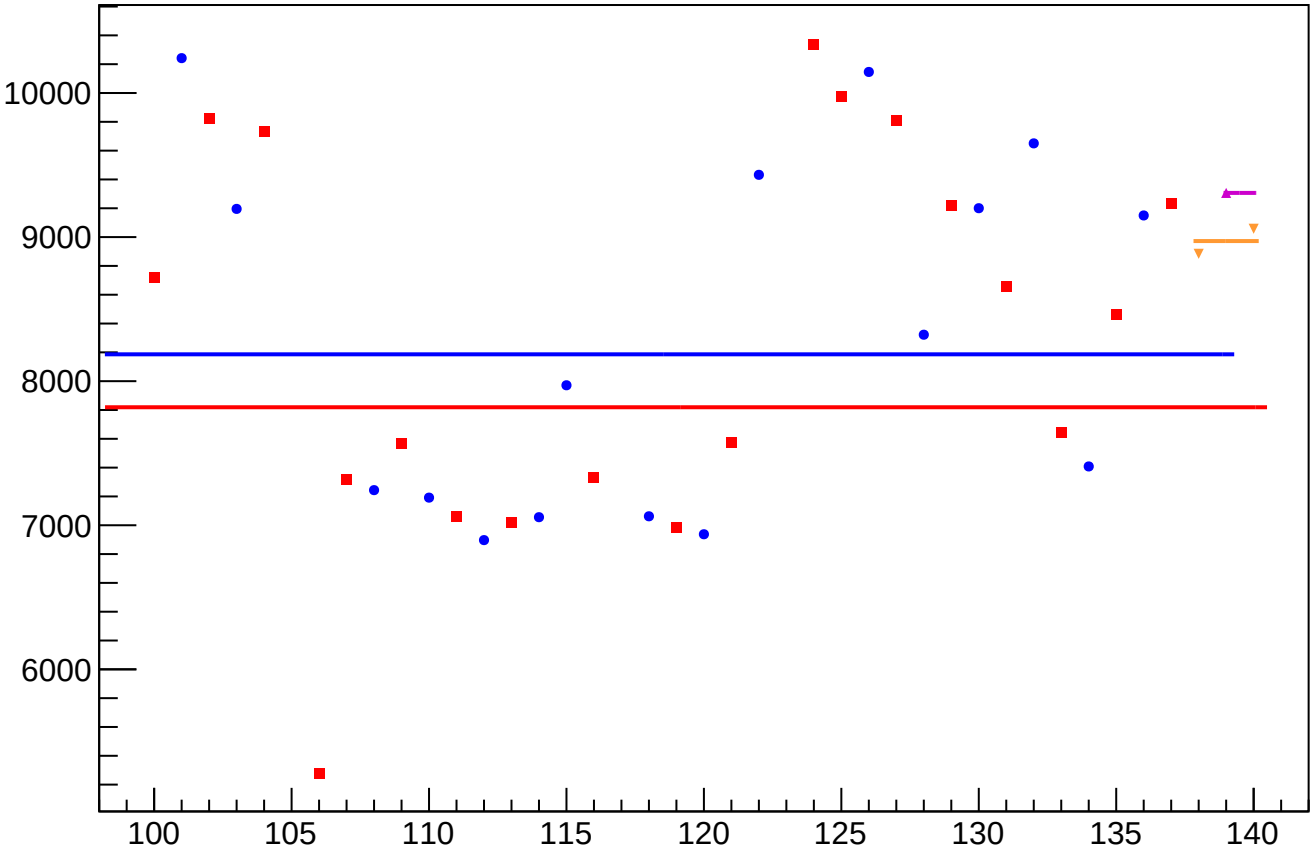
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 19.358+/-2.950 χ^2/NDF:67.7/16

Out: 7.056+/-2.682 χ^2/NDF:33.8/20

All: 12.624+/-1.984 χ^2/NDF: 111.0/37

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8972.437+/-4.999 χ^2/NDF:302.5/1

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 9306.633+/-7.207 χ^2/NDF:0.0/0

Left: 9080.987+/-4.107 χ^2/NDF: 1754.3/2

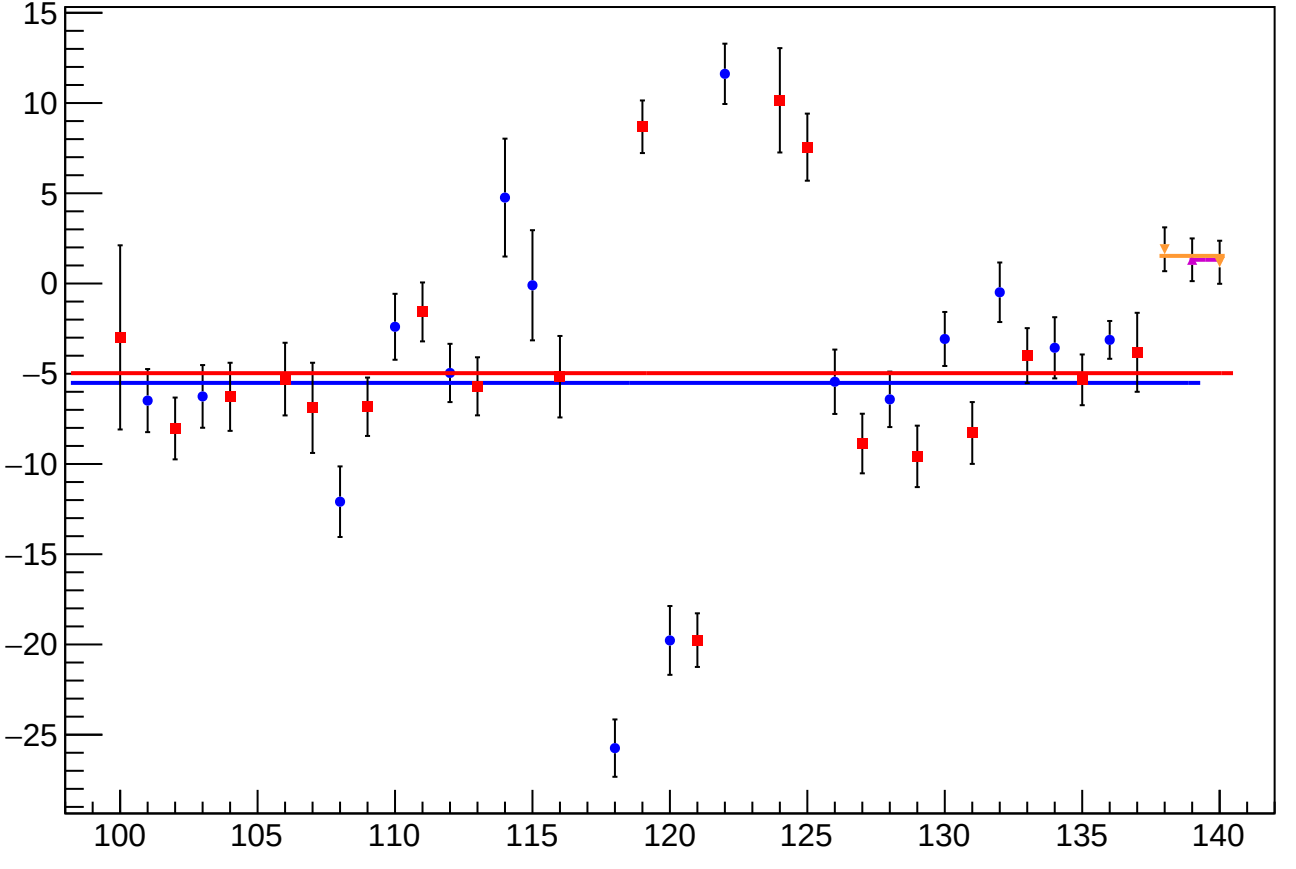
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8280.178+/-2.086 χ^2/NDF:312766.8/16

Out: 7985.017+/-1.897 χ^2/NDF:468881.4/20

All: 8118.618+/-1.403 χ^2/NDF: 792610.7/37

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.531+/-0.851 χ^2/NDF:0.2/1

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 1.315+/-1.184 χ^2/NDF:0.0/0

Left: 1.457+/-0.691 χ^2/NDF: 0.2/2

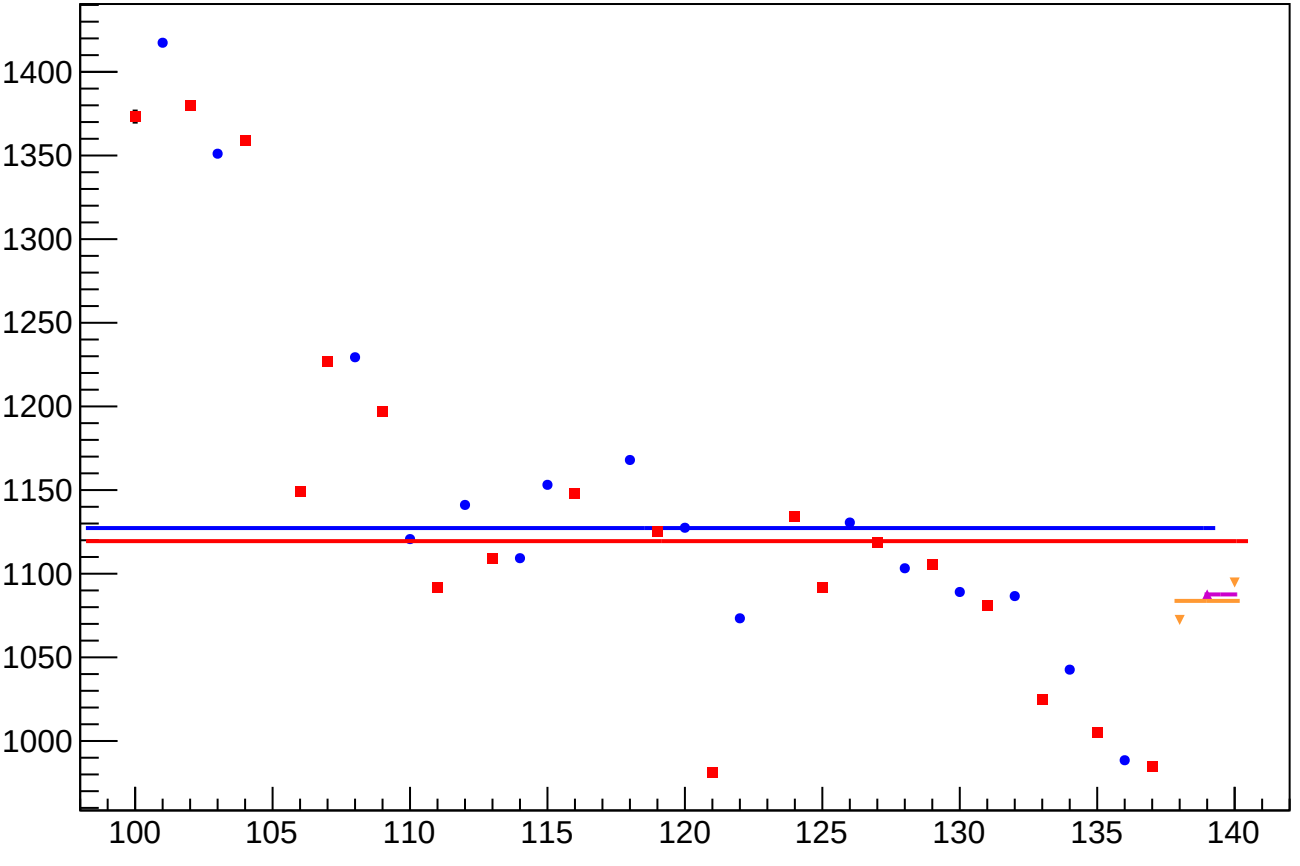
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -4.741+/-0.397 χ^2/NDF:399.3/16

Out: -3.742+/-0.370 χ^2/NDF:334.8/20

All: -4.206+/-0.270 χ^2/NDF: 737.5/37

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1083.753+/-0.602 χ^2/NDF:345.4/1

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1087.615+/-0.837 χ^2/NDF:0.0/0

Left: 1085.069+/-0.489 χ^2/NDF: 359.4/2

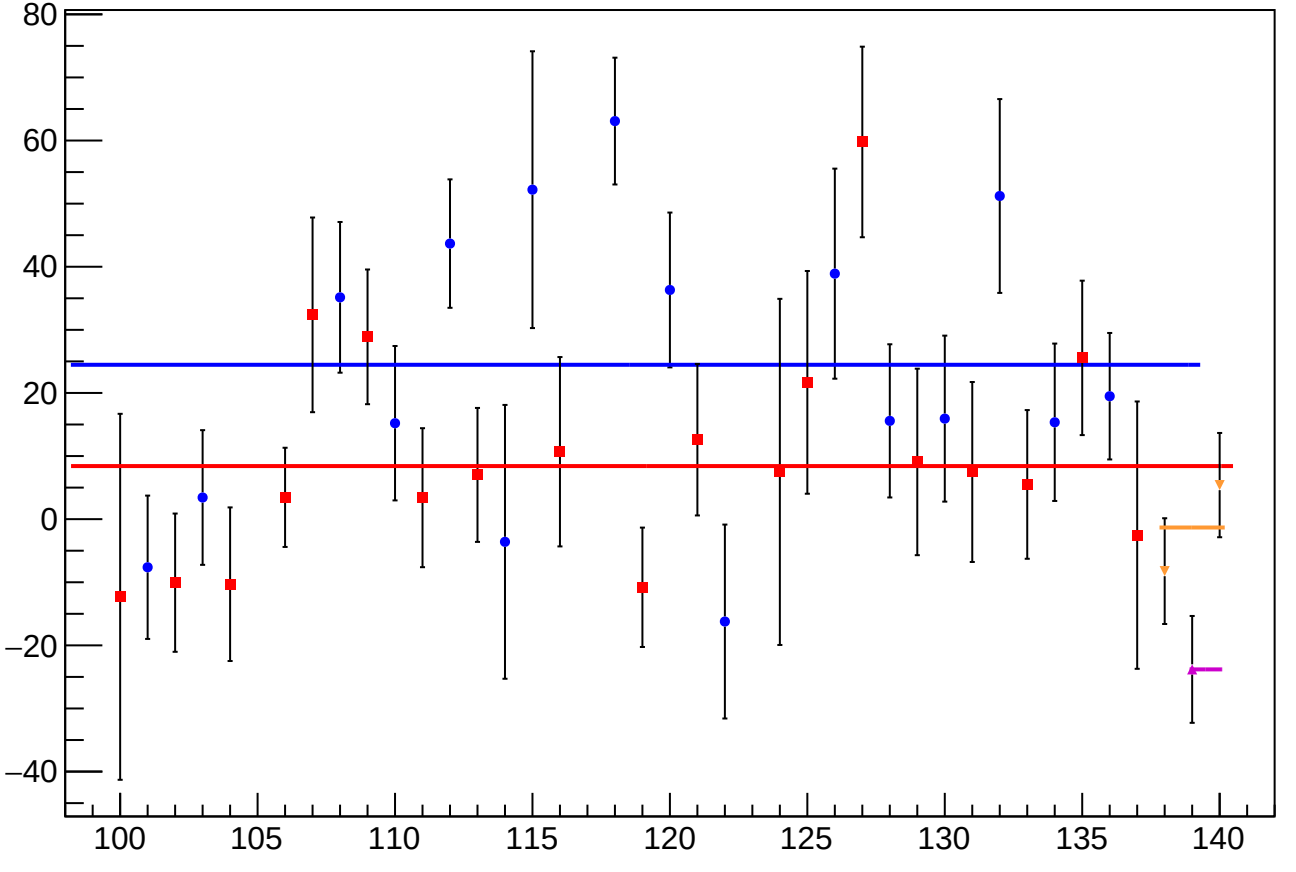
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1122.837+/-0.280 χ^2/NDF:142610.2/16

Out: 1112.736+/-0.261 χ^2/NDF:143939.9/20

All: 1117.432+/-0.191 χ^2/NDF: 287244.5/37

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -1.323+/-5.884 χ^2/NDF:1.3/1

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -23.809+/-8.468 χ^2/NDF:0.0/0

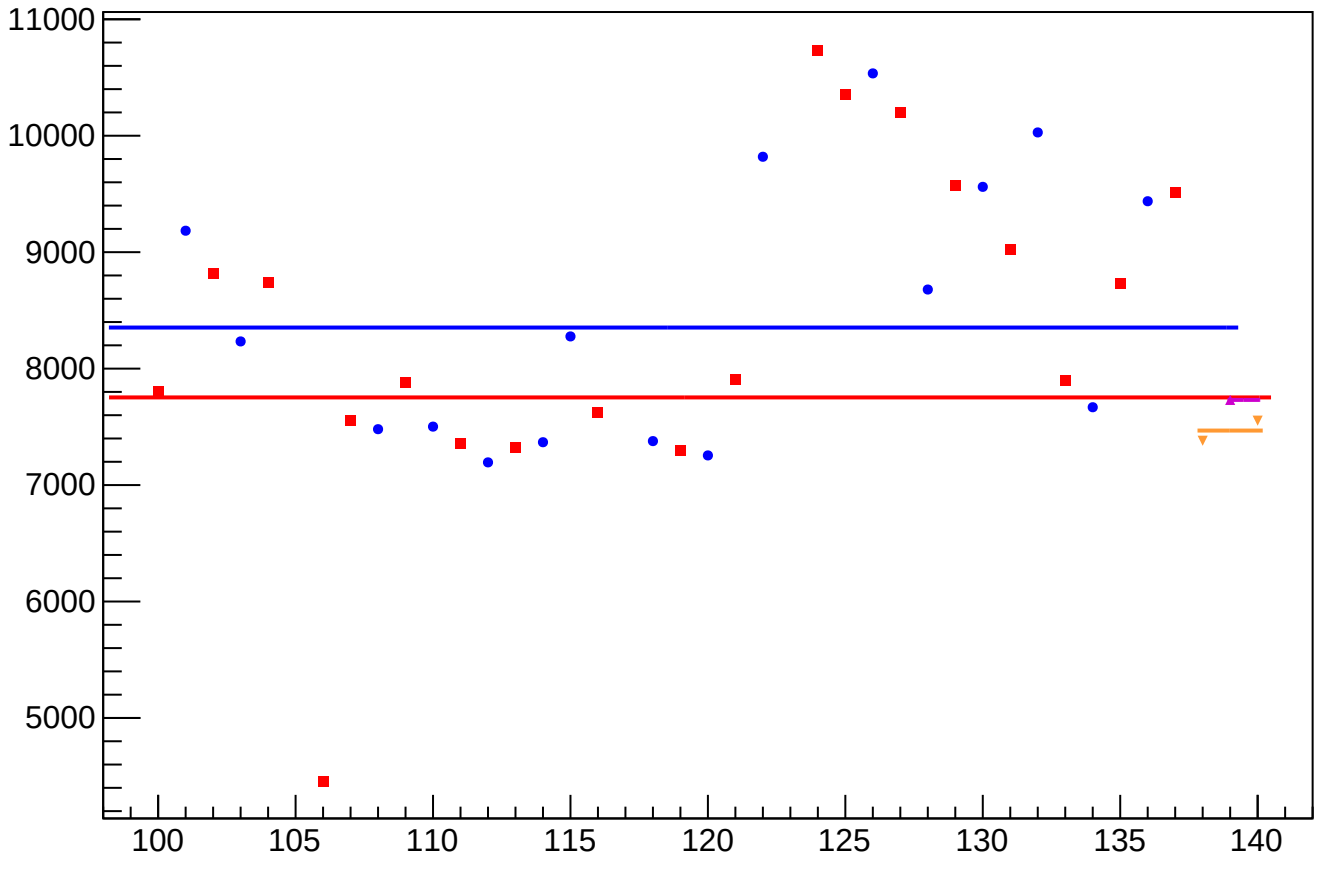
Left: -8.645+/-4.832 χ^2/NDF: 6.1/2

Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 18.640+/-2.941 χ^2/NDF:76.9/16

Out: 6.519+/-2.595 χ^2/NDF:34.7/20

All: 11.825+/-1.946 χ^2/NDF: 121.1/37



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7468.081+/-4.160 χ^2/NDF:429.8/1

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 7731.321+/-5.987 χ^2/NDF:0.0/0

Left: 7553.794+/-3.417 χ^2/NDF: 1733.3/2

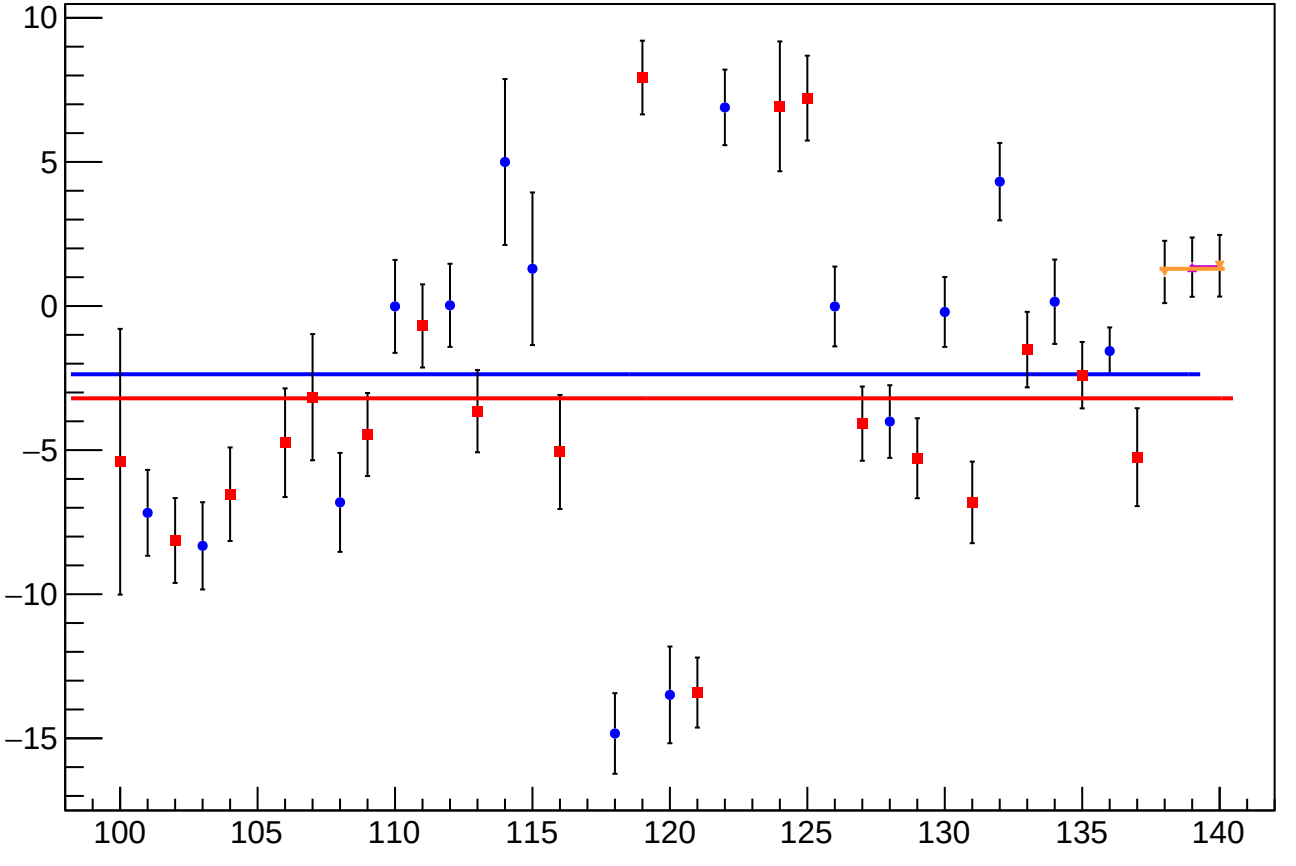
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 8277.795+/-2.080 χ^2/NDF:229885.4/16

Out: 7697.328+/-1.835 χ^2/NDF:592271.1/20

All: 7951.394+/-1.376 χ^2/NDF: 865968.7/37

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 1.291+/-0.760 χ^2/NDF:0.0/1

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.349+/-1.029 χ^2/NDF:0.0/0

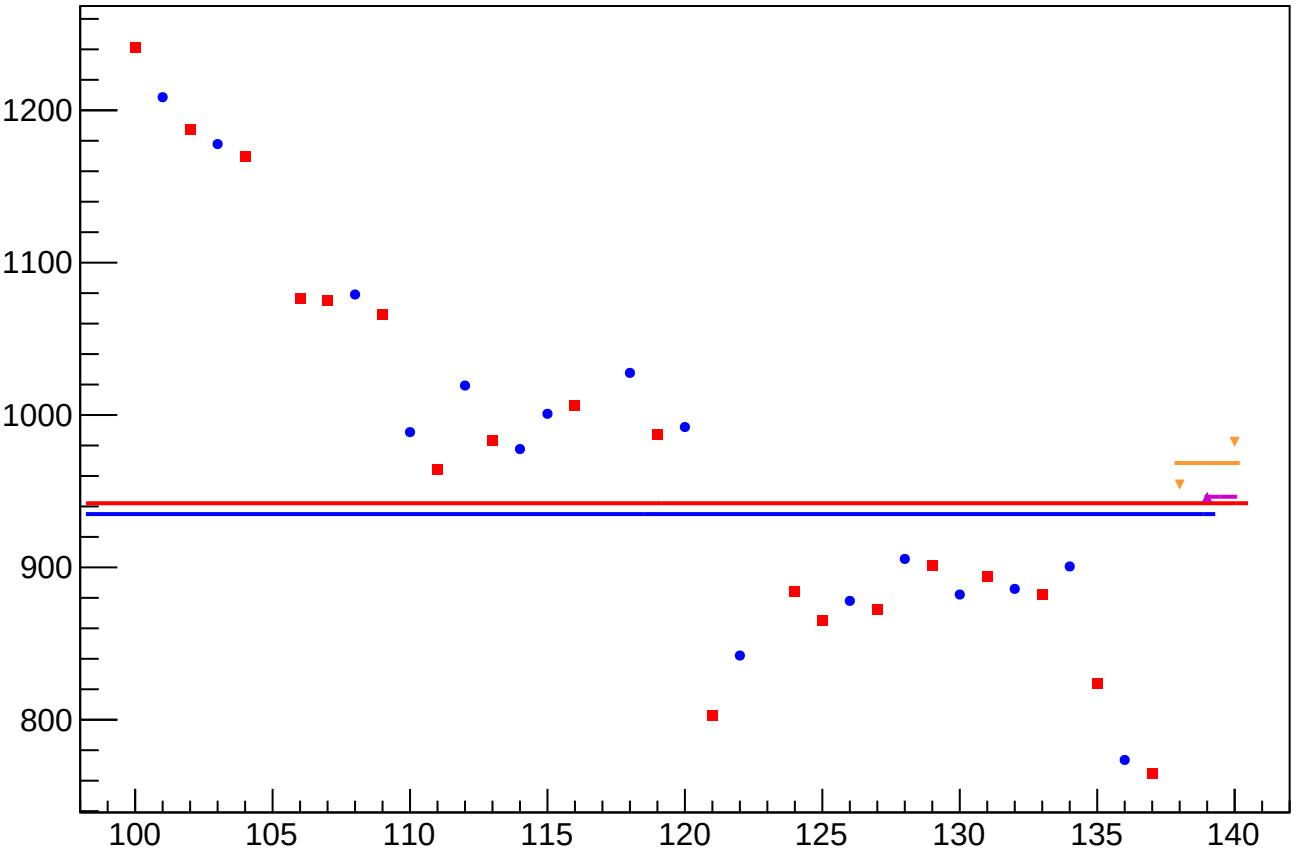
Left: 1.312+/-0.612 χ^2/NDF: 0.0/2

Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -1.981+/-0.332 χ^2/NDF:267.3/16

Out: -2.430+/-0.315 χ^2/NDF:279.5/20

All: -2.217+/-0.229 χ^2/NDF: 547.7/37



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 968.498+/-0.538 χ^2/NDF:680.1/1

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 946.361+/-0.727 χ^2/NDF:0.0/0

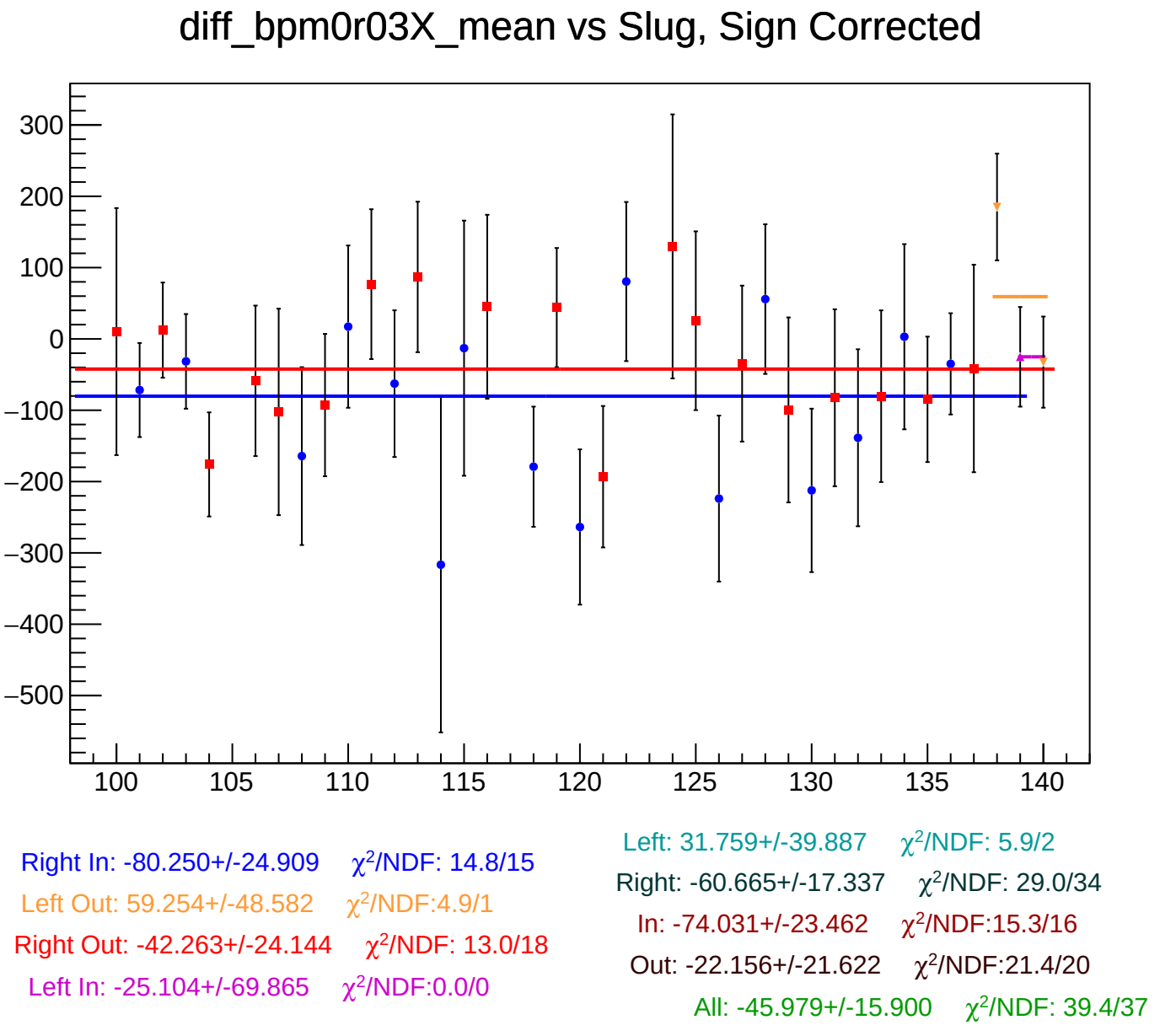
Left: 960.676+/-0.432 χ^2/NDF: 1278.9/2

Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

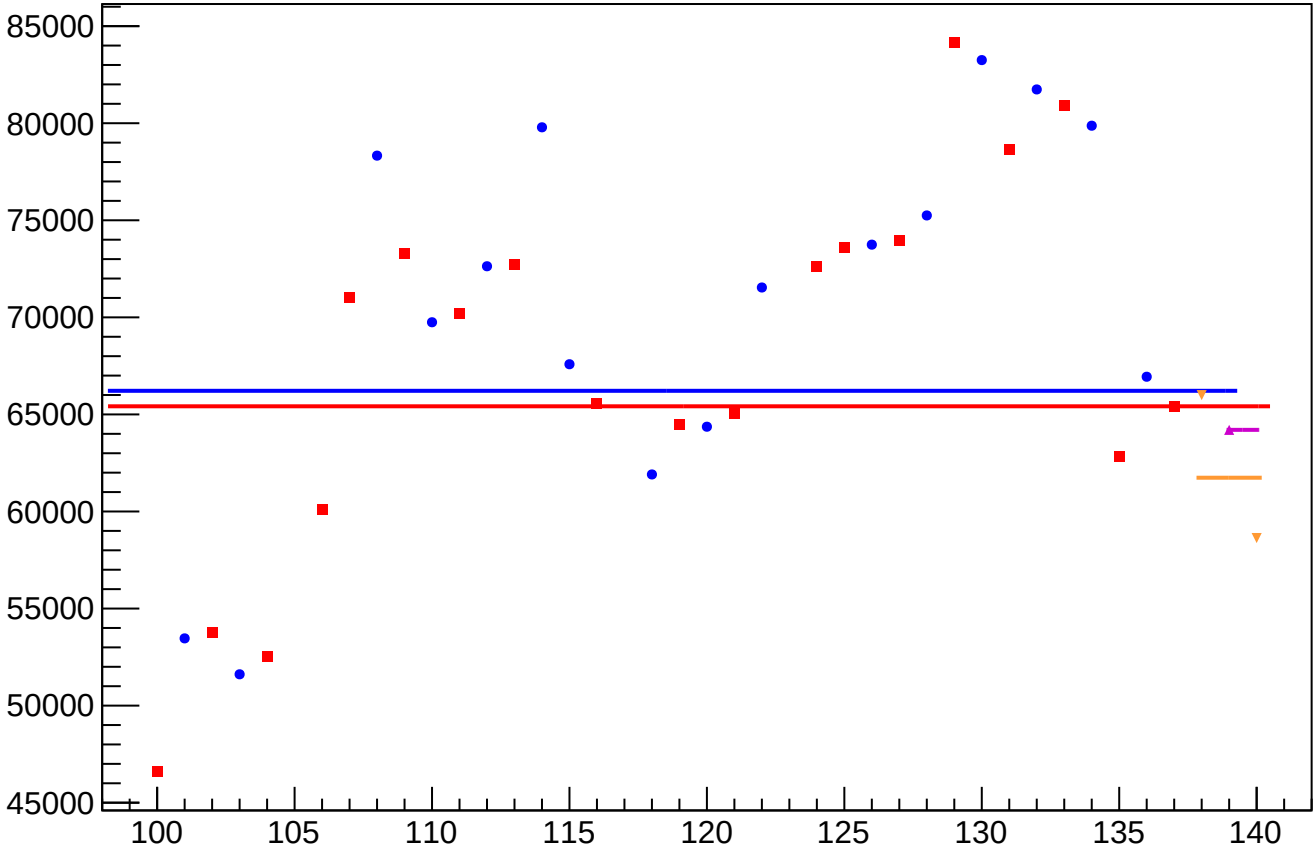
In: 936.159+/-0.235 χ^2/NDF:254583.2/16

Out: 946.632+/-0.223 χ^2/NDF:235130.1/20

All: 941.662+/-0.162 χ^2/NDF: 490760.9/37


diff_bpm0r03X_mean vs Slug, Sign Corrected
300
200
100
0
−100
−200
−300
−400
−500
100
105
110
115
120
125
130
135
140
Right In: -80.250+/-24.909 χ²/NDF: 14.8/15
Left Out: 59.254+/-48.582 χ²/NDF:4.9/1
Right Out: -42.263+/-24.144 χ²/NDF: 13.0/18
Left In: -25.104+/-69.865 χ²/NDF:0.0/0
Left: 31.759+/-39.887 χ²/NDF: 5.9/2
Right: -60.665+/-17.337 χ²/NDF: 29.0/34
In: -74.031+/-23.462 χ²/NDF:15.3/16
Out: -22.156+/-21.622 χ²/NDF:21.4/20
All: -45.979+/-15.900 χ²/NDF: 39.4/37

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 61739.298+/-34.353 χ^2/NDF:11203.7/1

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 64204.965+/-49.402 χ^2/NDF:0.0/0

Left: 62542.945+/-28.204 χ^2/NDF: 12882.8/2

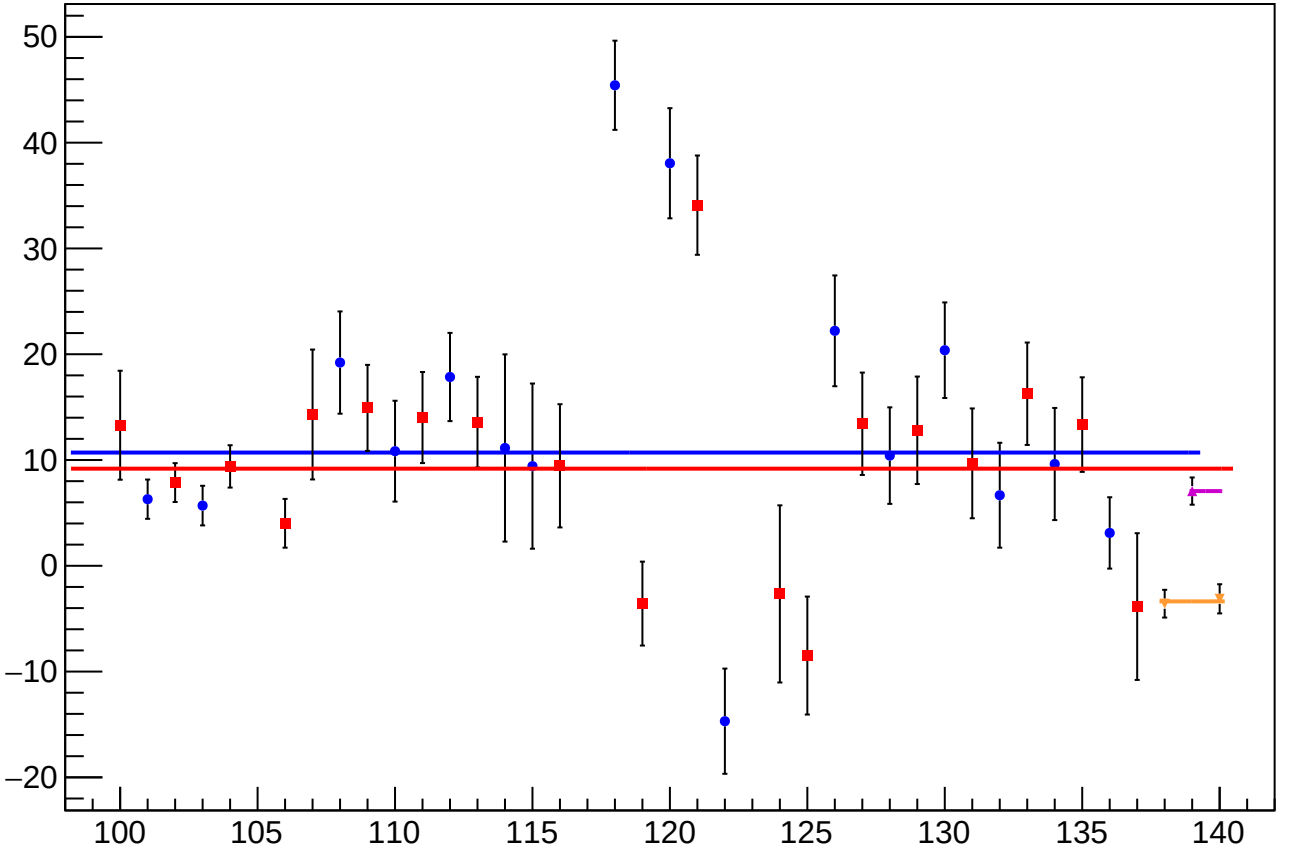
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 65989.303+/-16.590 χ^2/NDF:339848.0/16

Out: 64689.780+/-15.289 χ^2/NDF:324958.4/20

All: 65286.568+/-11.243 χ^2/NDF: 668124.3/3

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.364+/-0.950 χ^2/NDF:0.1/1

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 7.062+/-1.287 χ^2/NDF:0.0/0

Left: 0.316+/-0.765 χ^2/NDF: 42.5/2

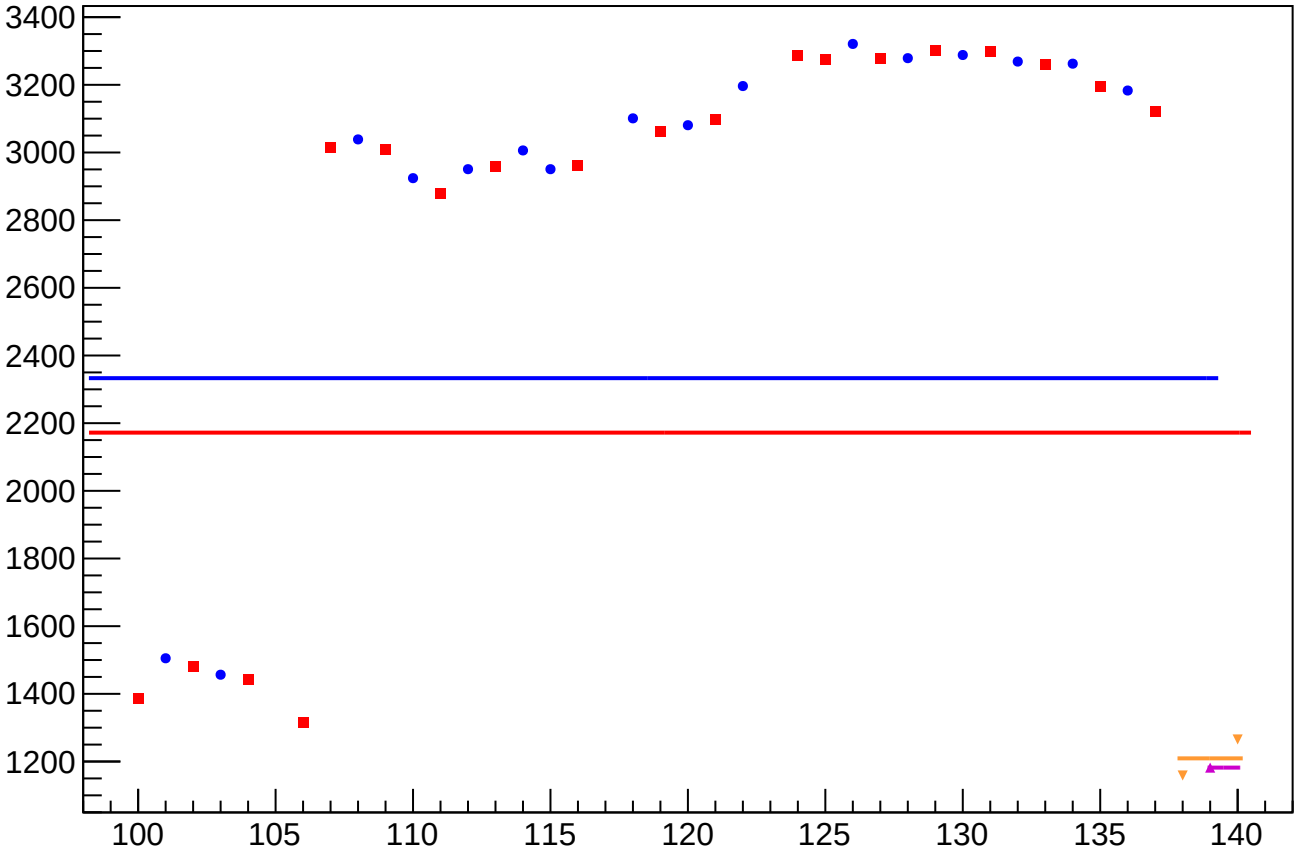
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 9.472+/-0.749 χ^2/NDF:160.9/16

Out: 3.606+/-0.634 χ^2/NDF:166.4/20

All: 6.054+/-0.484 χ^2/NDF: 363.0/37

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1209.315+/-0.672 χ^2/NDF:6257.0/1

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1181.982+/-0.910 χ^2/NDF:0.0/0

Left: 1199.668+/-0.541 χ^2/NDF: 6840.7/2

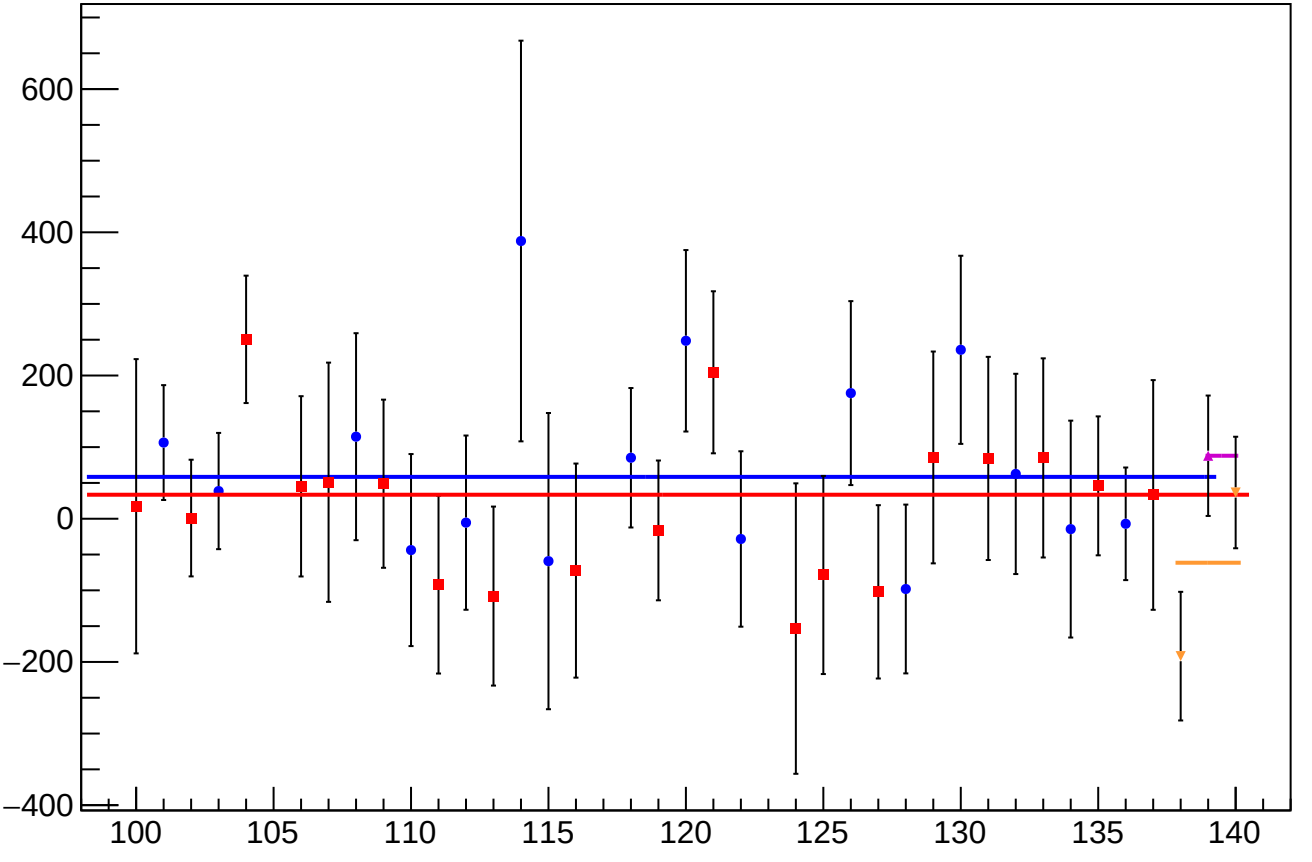
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1943.425+/-0.529 χ^2/NDF:2709782.5/16

Out: 1744.163+/-0.448 χ^2/NDF:3130383.0/20

All: 1827.322+/-0.342 χ^2/NDF: 5922704.1/37

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -61.438+/-58.842 χ^2/NDF:3.7/1

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 87.958+/-84.077 χ^2/NDF:0.0/0

Left: -12.321+/-48.209 χ^2/NDF: 5.8/2

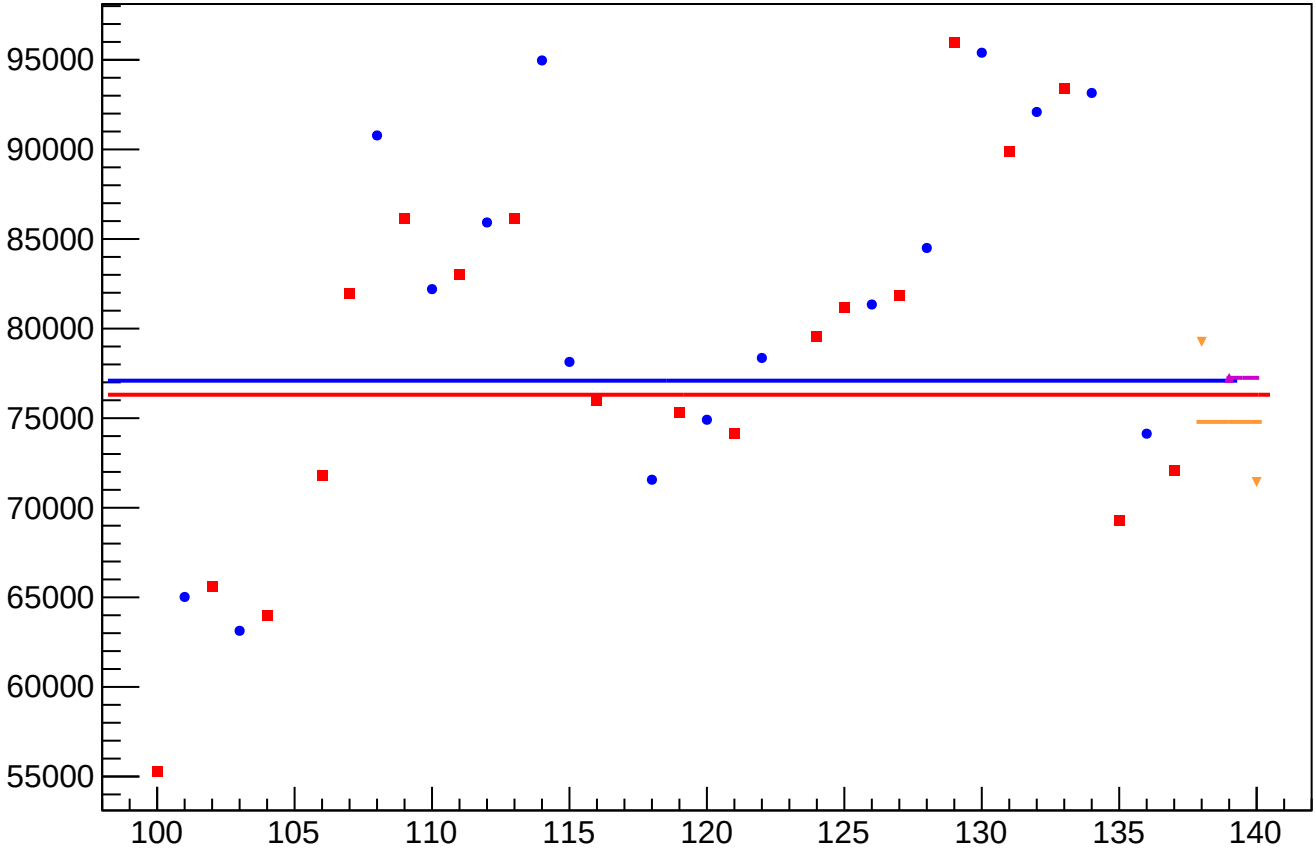
Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 61.568+/-27.345 χ^2/NDF:11.4/16

Out: 15.881+/-25.361 χ^2/NDF:20.5/20

All: 37.007+/-18.595 χ^2/NDF: 33.4/37

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 74793.432+/-41.608 χ^2/NDF:8660.9/1

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 77252.533+/-59.452 χ^2/NDF:0.0/0

Left: 75601.907+/-34.089 χ^2/NDF: 9809.3/2

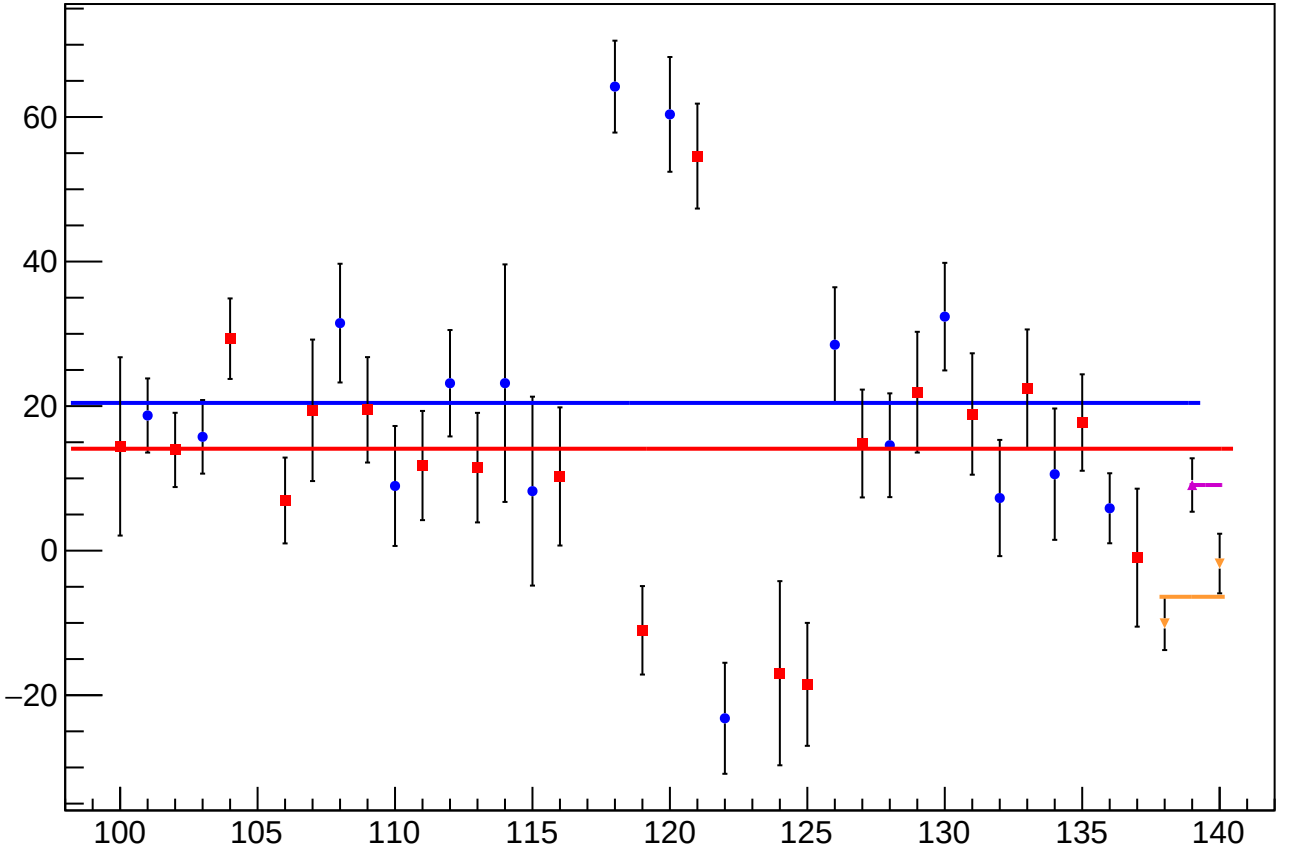
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 77109.988+/-19.336 χ^2/NDF:248549.2/16

Out: 76027.225+/-17.933 χ^2/NDF:244174.0/20

All: 76527.900+/-13.149 χ^2/NDF: 494408.9/3

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -6.383+/-2.750 χ^2/NDF:2.2/1

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 9.083+/-3.699 χ^2/NDF:0.0/0

Left: -0.877+/-2.207 χ^2/NDF: 13.5/2

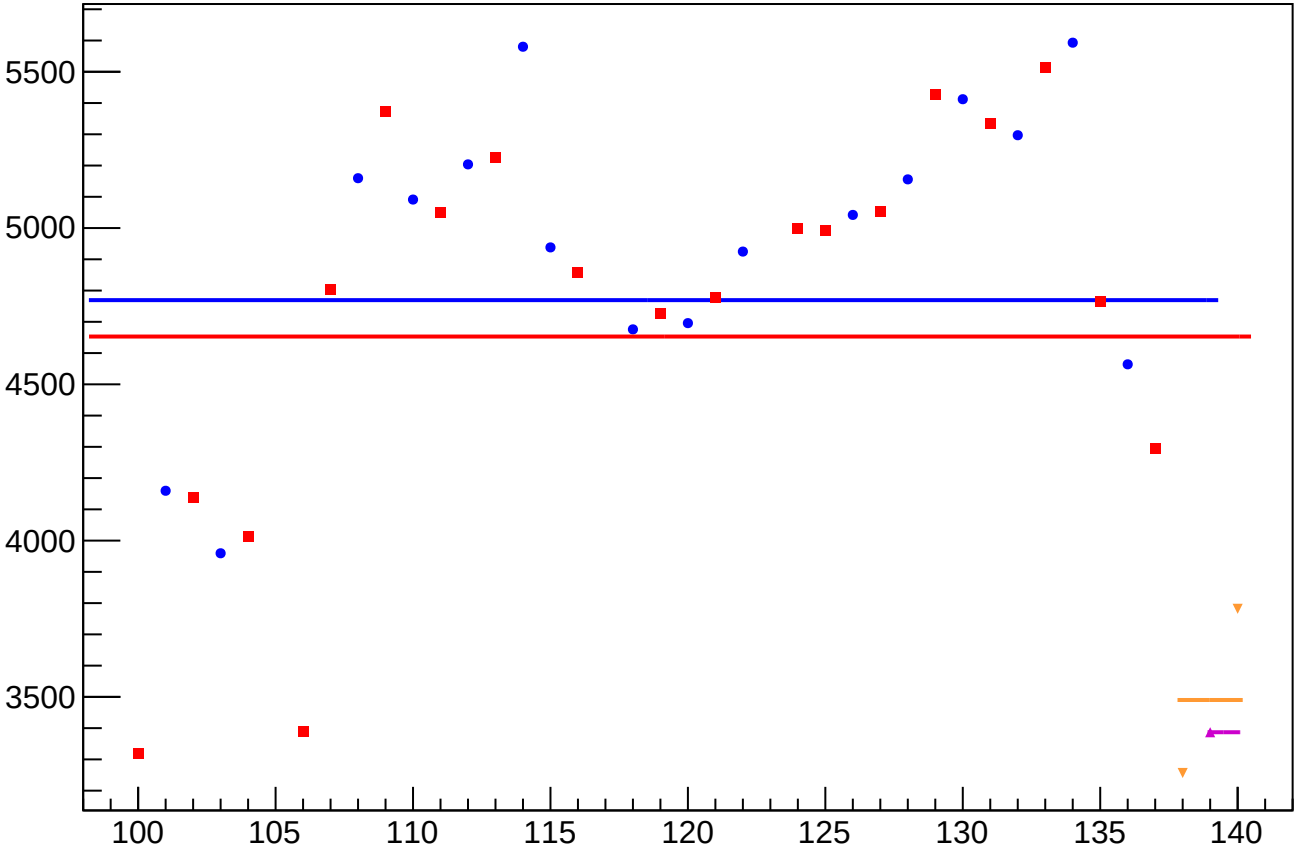
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 18.301+/-1.605 χ^2/NDF:135.5/16

Out: 8.372+/-1.454 χ^2/NDF:126.0/20

All: 12.848+/-1.078 χ^2/NDF: 282.5/37

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3490.079+/-1.944 χ^2/NDF:18021.1/1

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3386.916+/-2.615 χ^2/NDF:0.0/0

Left: 3453.356+/-1.560 χ^2/NDF: 19023.1/2

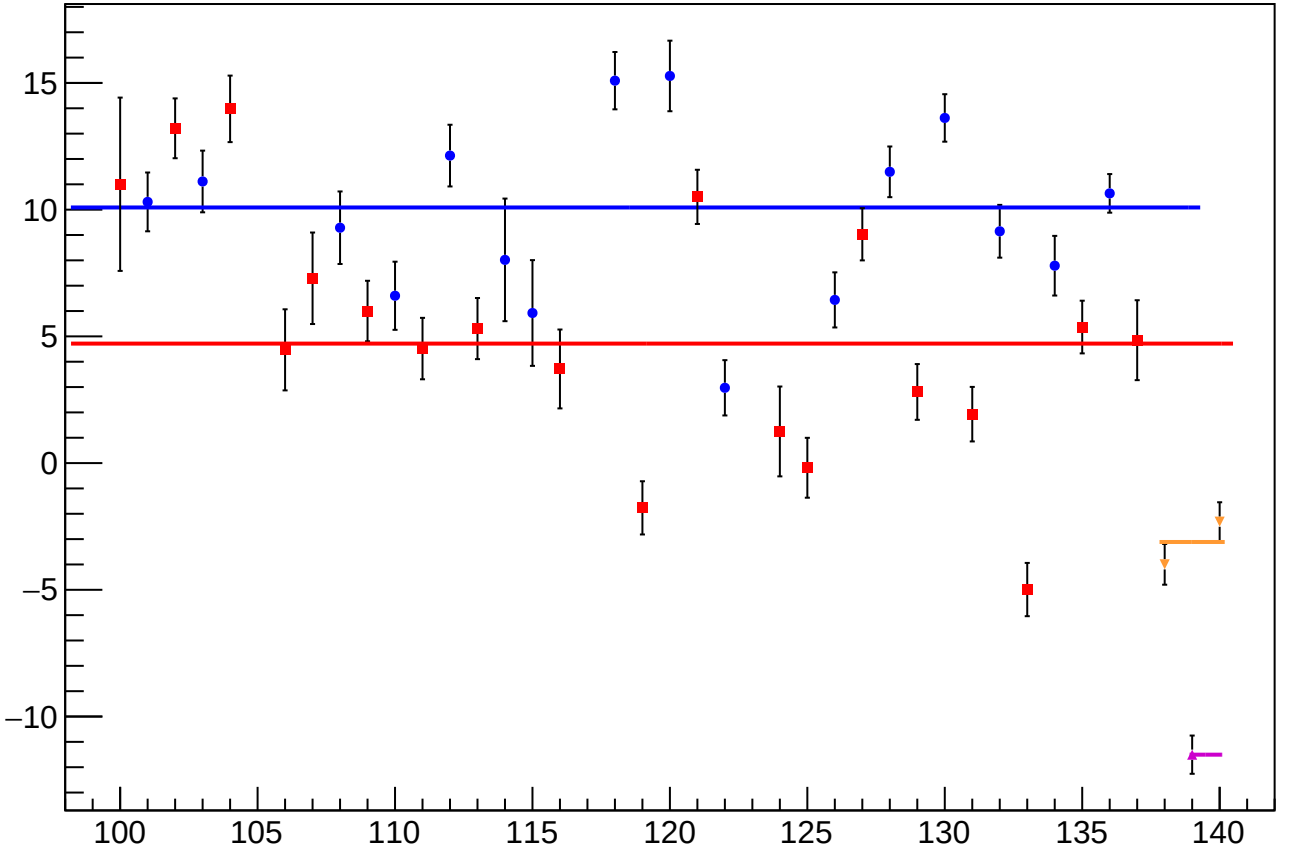
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4508.937+/-1.135 χ^2/NDF:378450.9/16

Out: 4327.660+/-1.028 χ^2/NDF:540757.3/20

All: 4409.371+/-0.762 χ^2/NDF: 933214.9/37

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.113+/-0.554 χ^2/NDF:2.3/1

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -11.505+/-0.755 χ^2/NDF:0.0/0

Left: -6.055+/-0.447 χ^2/NDF: 82.6/2

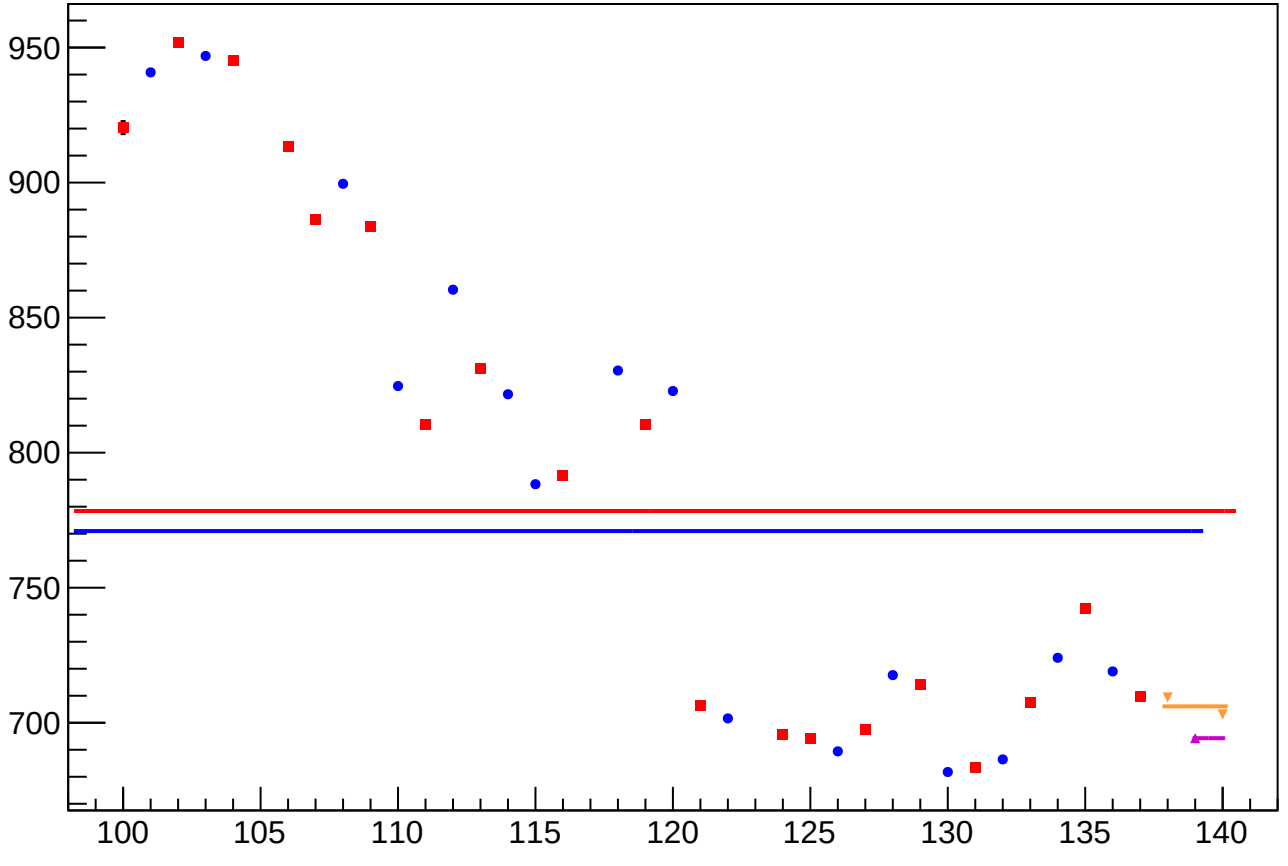
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 7.335+/-0.269 χ^2/NDF:838.4/16

Out: 3.072+/-0.254 χ^2/NDF:470.0/20

All: 5.078+/-0.185 χ^2/NDF: 1440.9/37

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 706.071+/-0.392 χ^2/NDF:63.9/1

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 694.289+/-0.534 χ^2/NDF:0.0/0

Left: 701.940+/-0.316 χ^2/NDF: 380.5/2

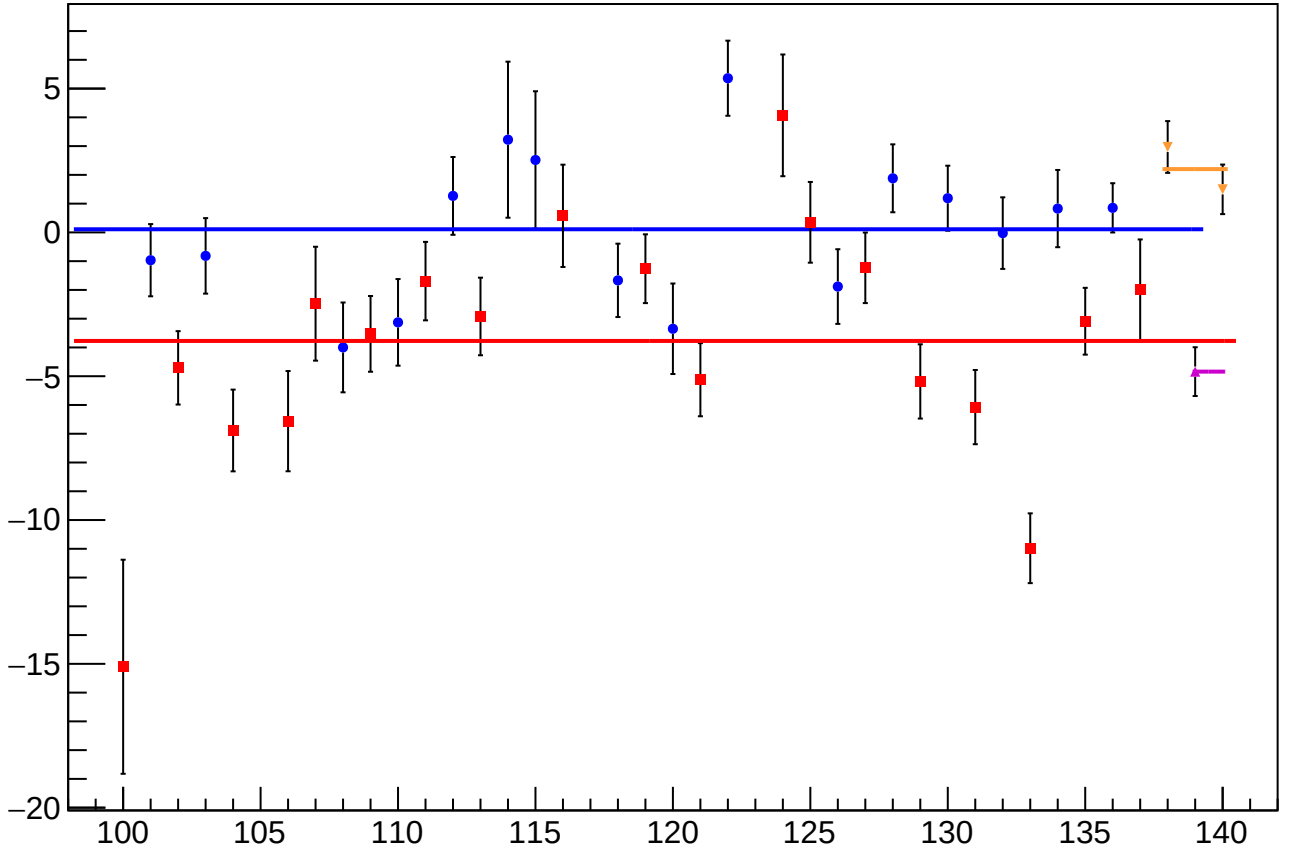
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 761.201+/-0.190 χ^2/NDF:210935.4/16

Out: 763.215+/-0.180 χ^2/NDF:223494.5/20

All: 762.267+/-0.131 χ^2/NDF: 434489.1/37

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 2.201+/-0.622 χ^2/NDF:1.4/1

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -4.840+/-0.848 χ^2/NDF:0.0/0

Left: -0.263+/-0.502 χ^2/NDF: 46.2/2

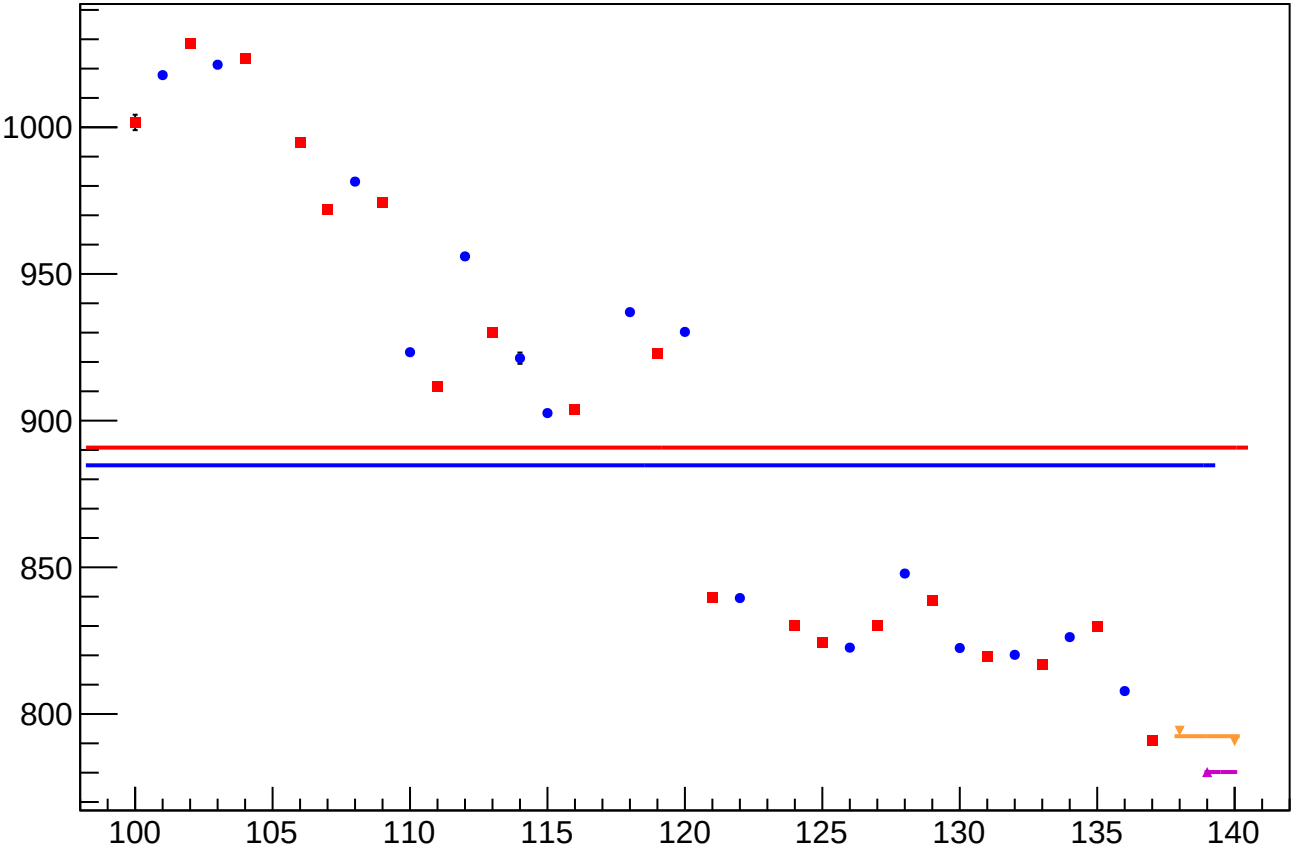
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -0.542+/-0.307 χ^2/NDF:74.9/16

Out: -2.486+/-0.289 χ^2/NDF:173.3/20

All: -1.575+/-0.211 χ^2/NDF: 269.5/37

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 792.431+/-0.440 χ^2/NDF:16.2/1

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 780.219+/-0.600 χ^2/NDF:0.0/0

Left: 788.158+/-0.355 χ^2/NDF: 285.8/2

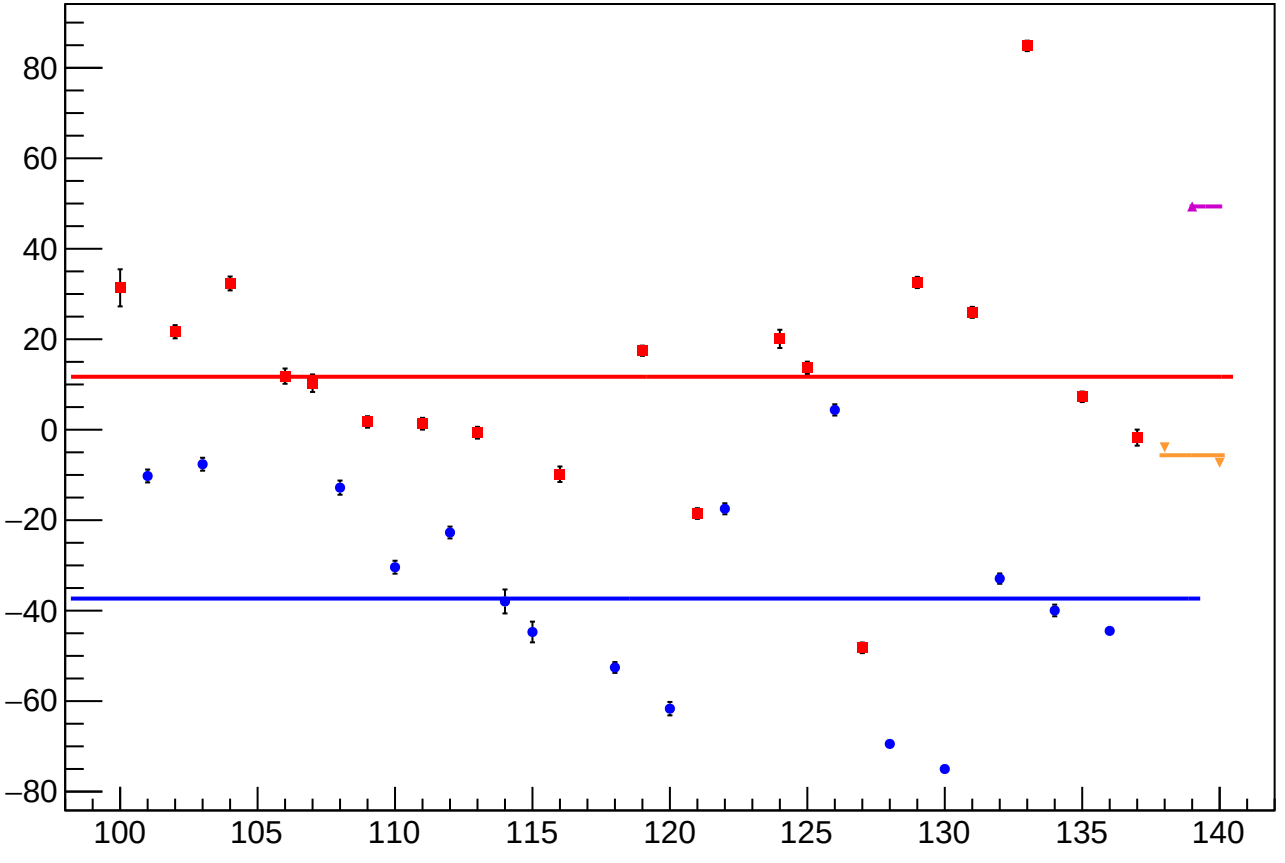
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 871.031+/-0.217 χ^2/NDF:130897.8/16

Out: 869.617+/-0.204 χ^2/NDF:147013.1/20

All: 870.280+/-0.149 χ^2/NDF: 277933.4/37

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -5.644+/-0.625 χ^2/NDF:7.5/1

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 49.356+/-0.845 χ^2/NDF:0.0/0

Left: 13.828+/-0.503 χ^2/NDF: 2746.4/2

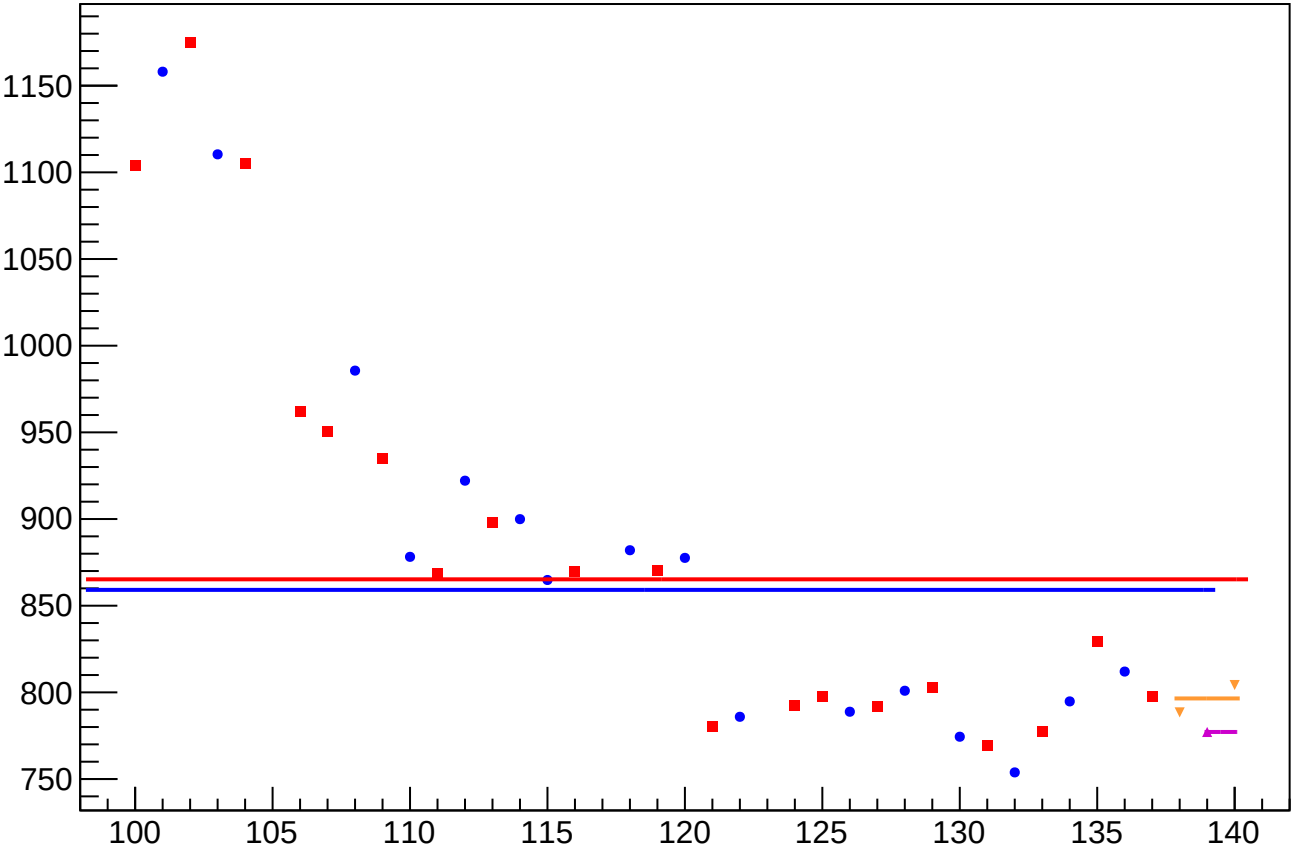
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: -26.346+/-0.301 χ^2/NDF:14383.0/16

Out: 8.143+/-0.283 χ^2/NDF:9082.8/20

All: -8.083+/-0.206 χ^2/NDF: 30433.7/37

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 796.492+/-0.442 χ^2/NDF:318.3/1

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 777.155+/-0.597 χ^2/NDF:0.0/0

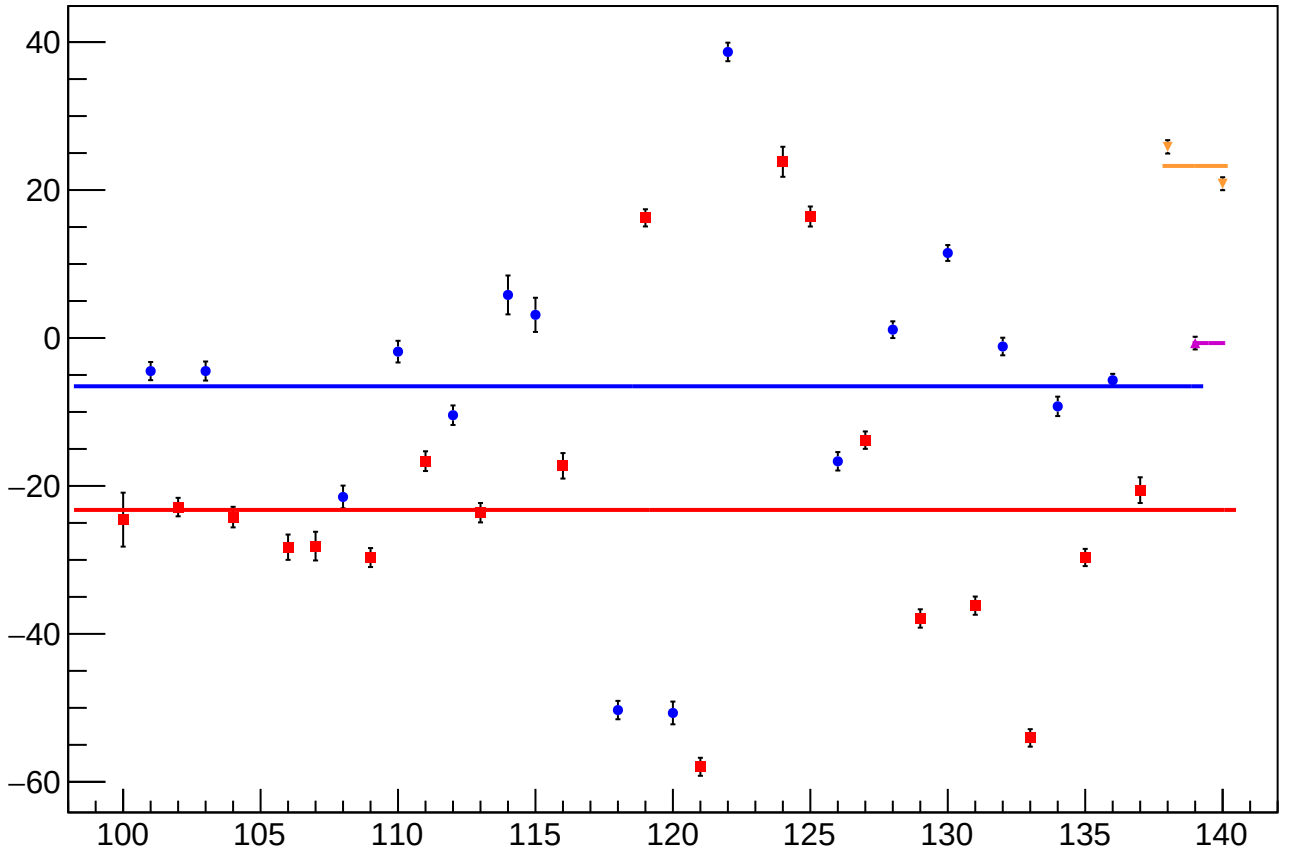
Left: 789.646+/-0.355 χ^2/NDF: 995.5/2

Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 848.740+/-0.213 χ^2/NDF:245160.0/16

Out: 851.099+/-0.200 χ^2/NDF:243180.8/20

All: 849.989+/-0.146 χ^2/NDF: 488406.0/37



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 23.258+/-0.630 χ^2/NDF:15.6/1

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: -0.688+/-0.859 χ^2/NDF:0.0/0

Left: 14.888+/-0.508 χ^2/NDF: 520.8/2

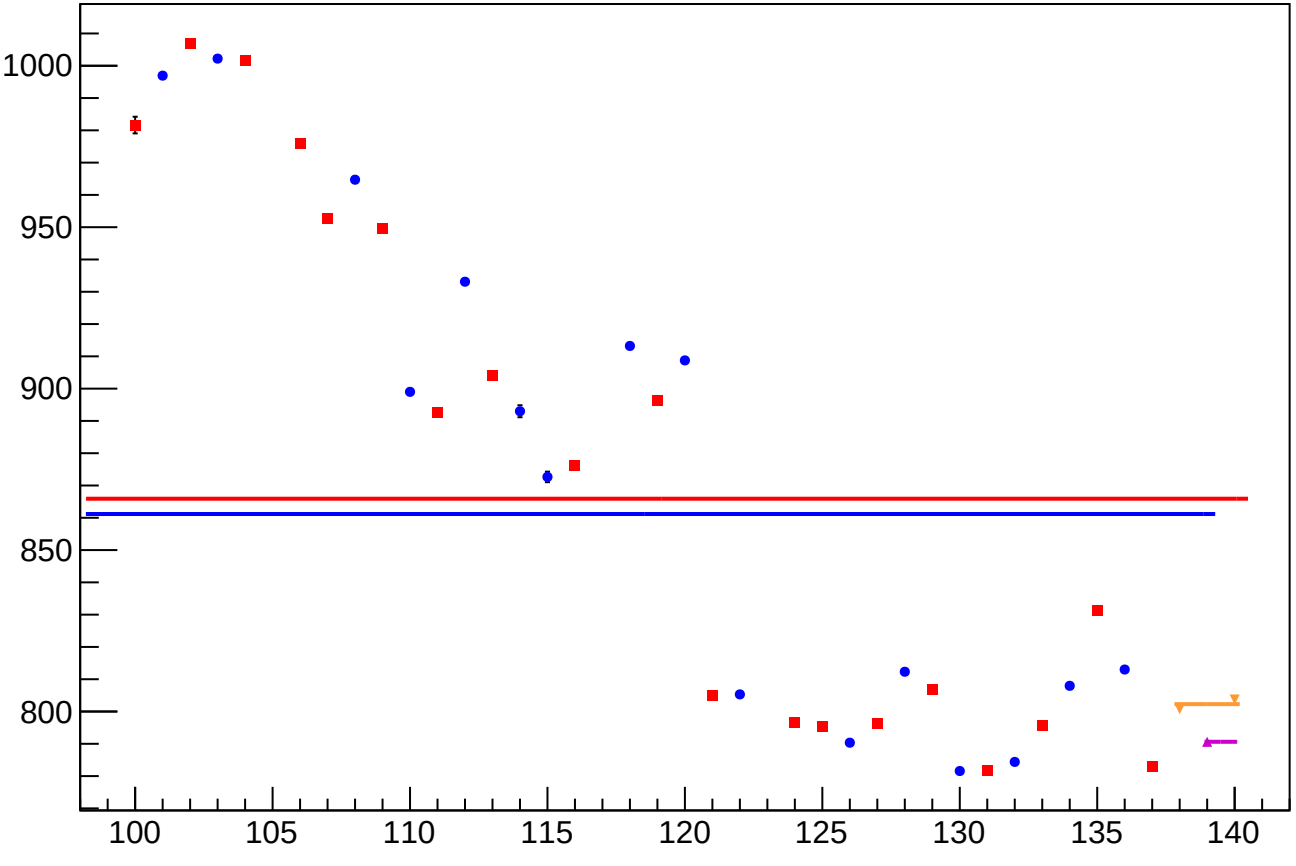
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -5.813+/-0.301 χ^2/NDF:3986.6/16

Out: -13.845+/-0.283 χ^2/NDF:8834.4/20

All: -10.072+/-0.206 χ^2/NDF: 13199.0/37

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 802.287+/-0.445 χ^2/NDF:11.0/1

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 790.625+/-0.608 χ^2/NDF:0.0/0

Left: 798.211+/-0.359 χ^2/NDF: 250.7/2

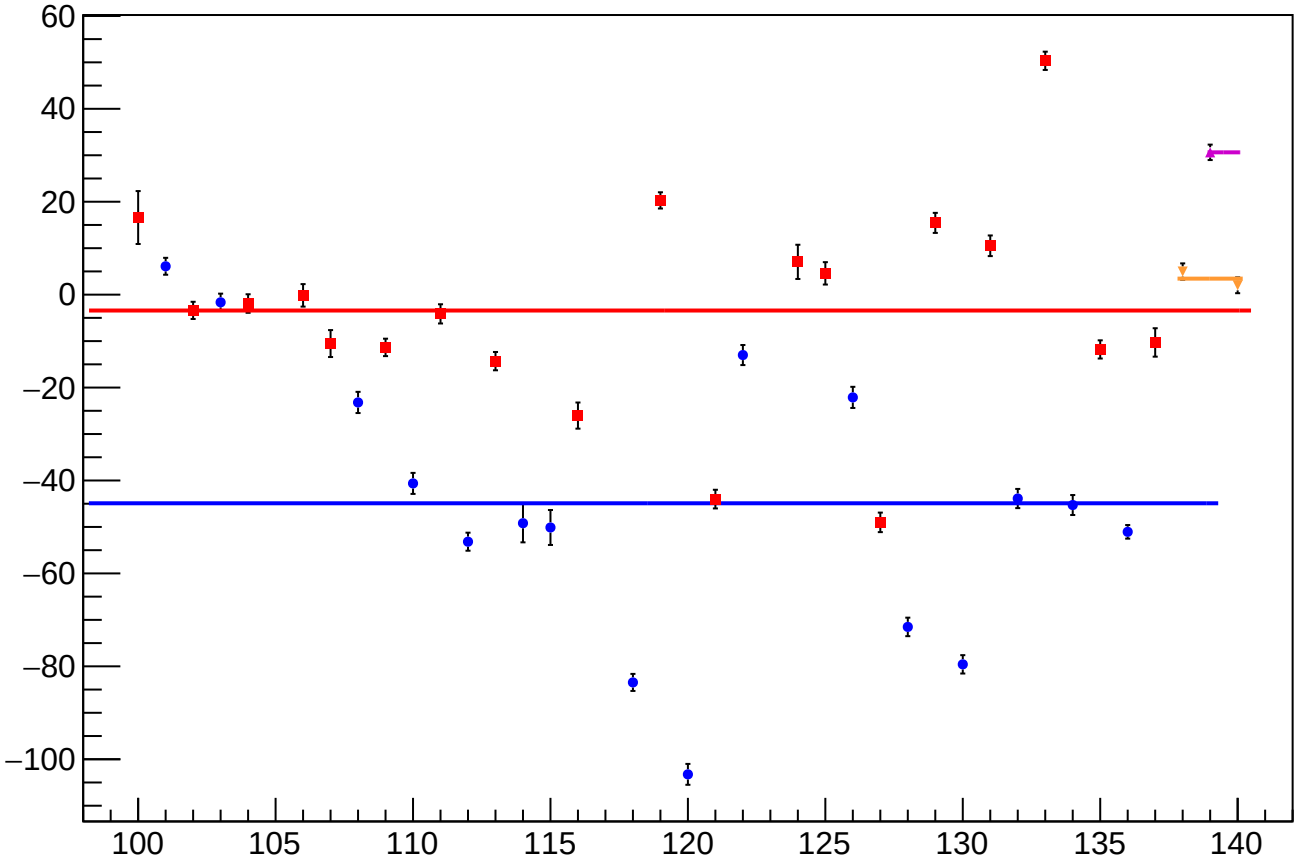
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 852.521+/-0.213 χ^2/NDF:125357.1/16

Out: 853.048+/-0.200 χ^2/NDF:134709.0/20

All: 852.801+/-0.146 χ^2/NDF: 260069.3/37

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: 3.447+/-1.222 χ^2/NDF:1.5/1

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 30.631+/-1.661 χ^2/NDF:0.0/0

Left: 12.992+/-0.984 χ^2/NDF: 175.4/2

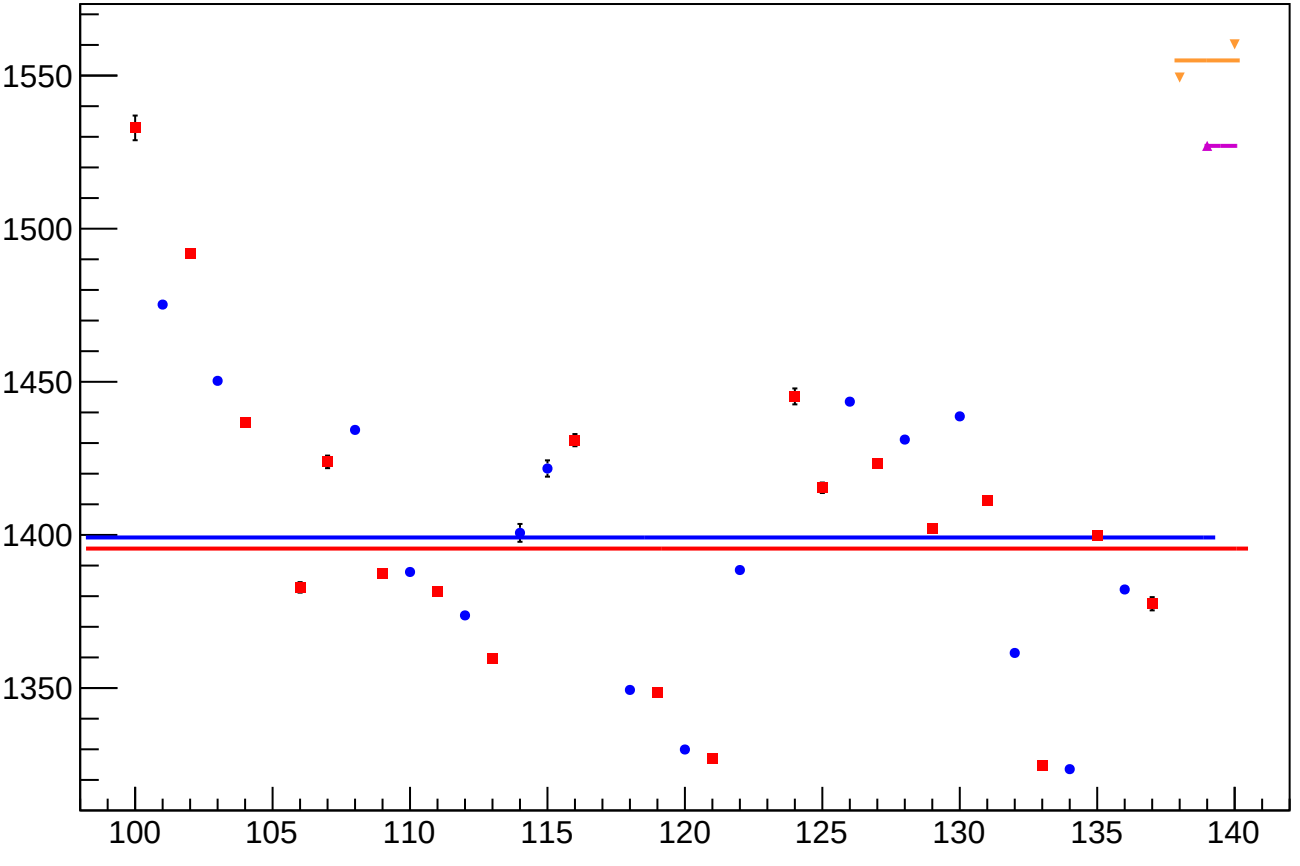
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -38.162+/-0.496 χ^2/NDF:5262.0/16

Out: -2.400+/-0.470 χ^2/NDF:2130.5/20

All: -19.313+/-0.341 χ^2/NDF: 10130.8/37

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1554.941+/-0.864 χ^2/NDF:39.3/1

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1527.043+/-1.174 χ^2/NDF:0.0/0

Left: 1545.145+/-0.696 χ^2/NDF: 405.6/2

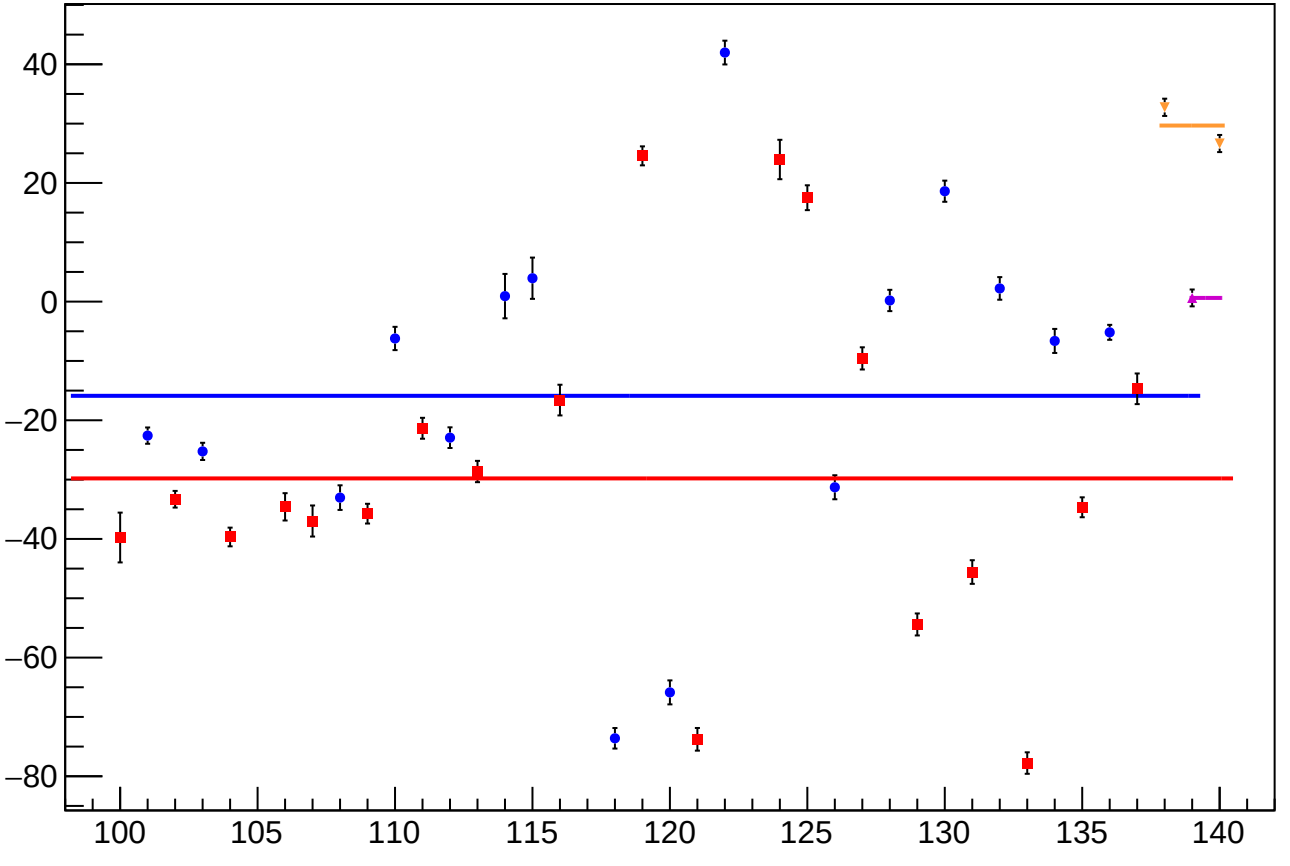
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1410.587+/-0.351 χ^2/NDF:25644.5/16

Out: 1419.139+/-0.332 χ^2/NDF:45292.9/20

All: 1415.094+/-0.241 χ^2/NDF: 71250.6/37

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 29.675+/-1.025 χ^2/NDF:8.9/1

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 0.622+/-1.421 χ^2/NDF:0.0/0

Left: 19.728+/-0.831 χ^2/NDF: 283.9/2

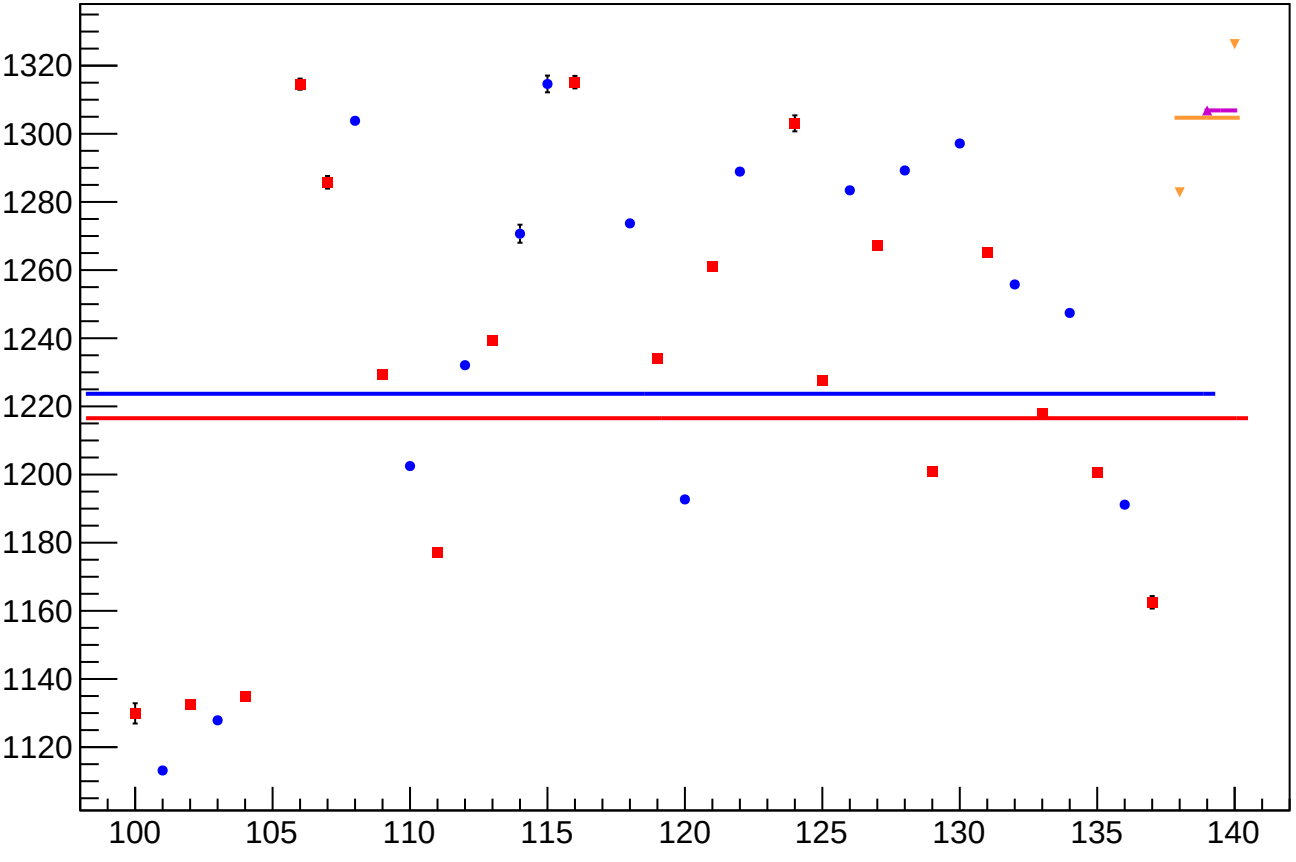
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -14.342+/-0.434 χ^2/NDF:3600.1/16

Out: -20.391+/-0.408 χ^2/NDF:6524.3/20

All: -17.552+/-0.297 χ^2/NDF: 10227.7/37

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1304.714+/-0.725 χ^2/NDF:900.1/1

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1306.856+/-1.005 χ^2/NDF:0.0/0

Left: 1305.447+/-0.588 χ^2/NDF: 903.1/2

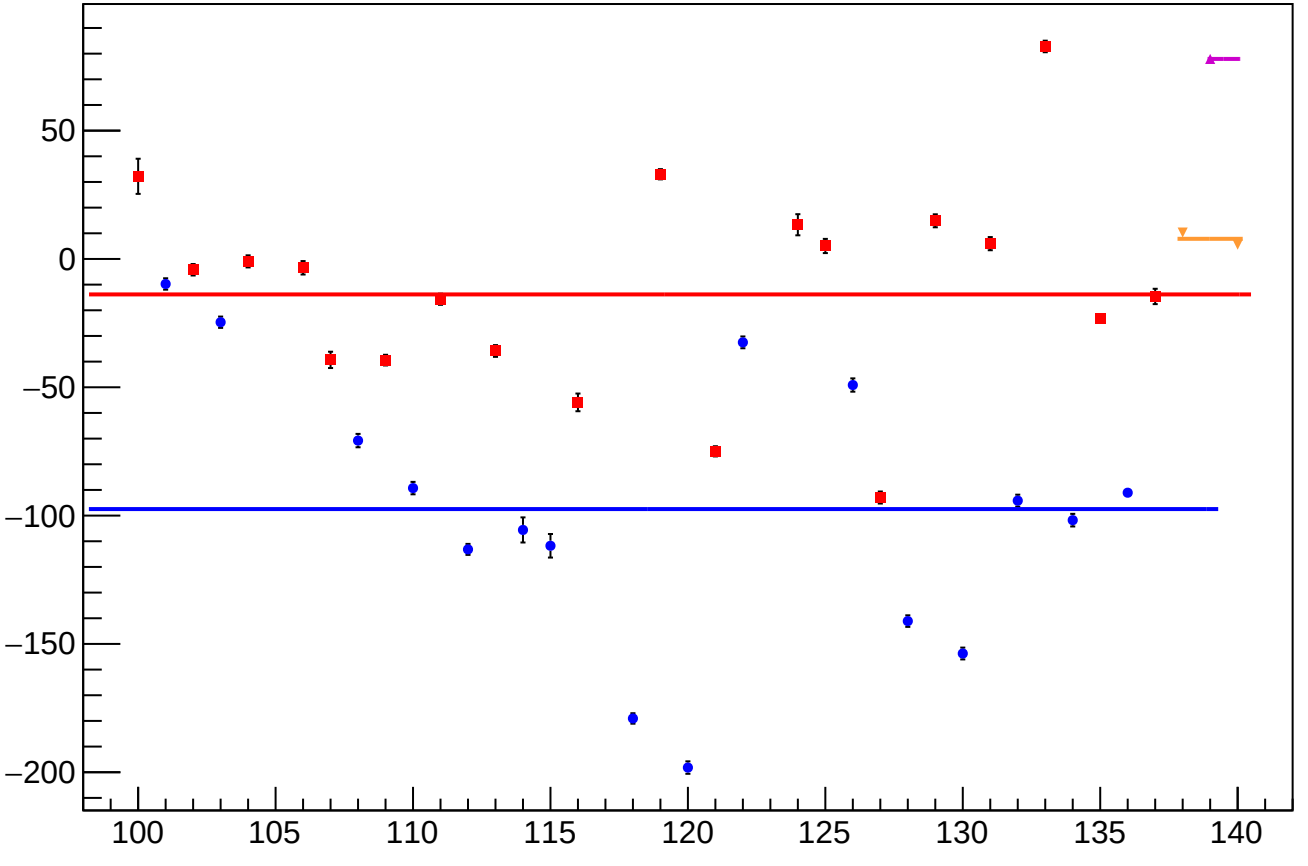
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1231.446+/-0.307 χ^2/NDF:47097.8/16

Out: 1230.483+/-0.288 χ^2/NDF:42741.5/20

All: 1230.935+/-0.210 χ^2/NDF: 89844.5/37

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: 7.850+/-1.271 χ^2/NDF:3.4/1

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 77.943+/-1.747 χ^2/NDF:0.0/0

Left: 32.109+/-1.028 χ^2/NDF: 1056.0/2

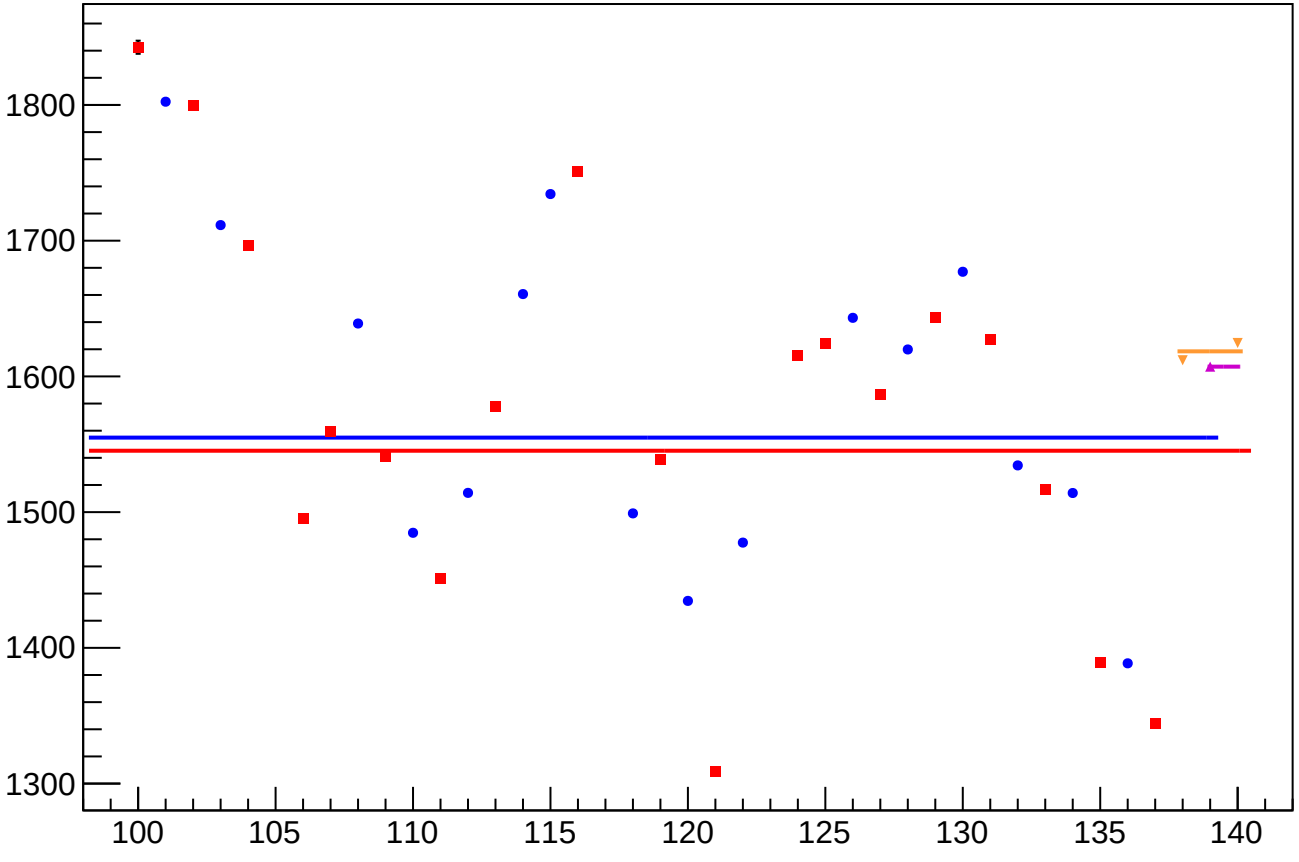
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -80.075+/-0.550 χ^2/NDF:17380.5/16

Out: -10.235+/-0.517 χ^2/NDF:5598.1/20

All: -42.986+/-0.377 χ^2/NDF: 31542.7/37

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1618.464+/-0.899 χ^2/NDF:50.1/1

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1607.194+/-1.235 χ^2/NDF:0.0/0

Left: 1614.563+/-0.727 χ^2/NDF: 104.5/2

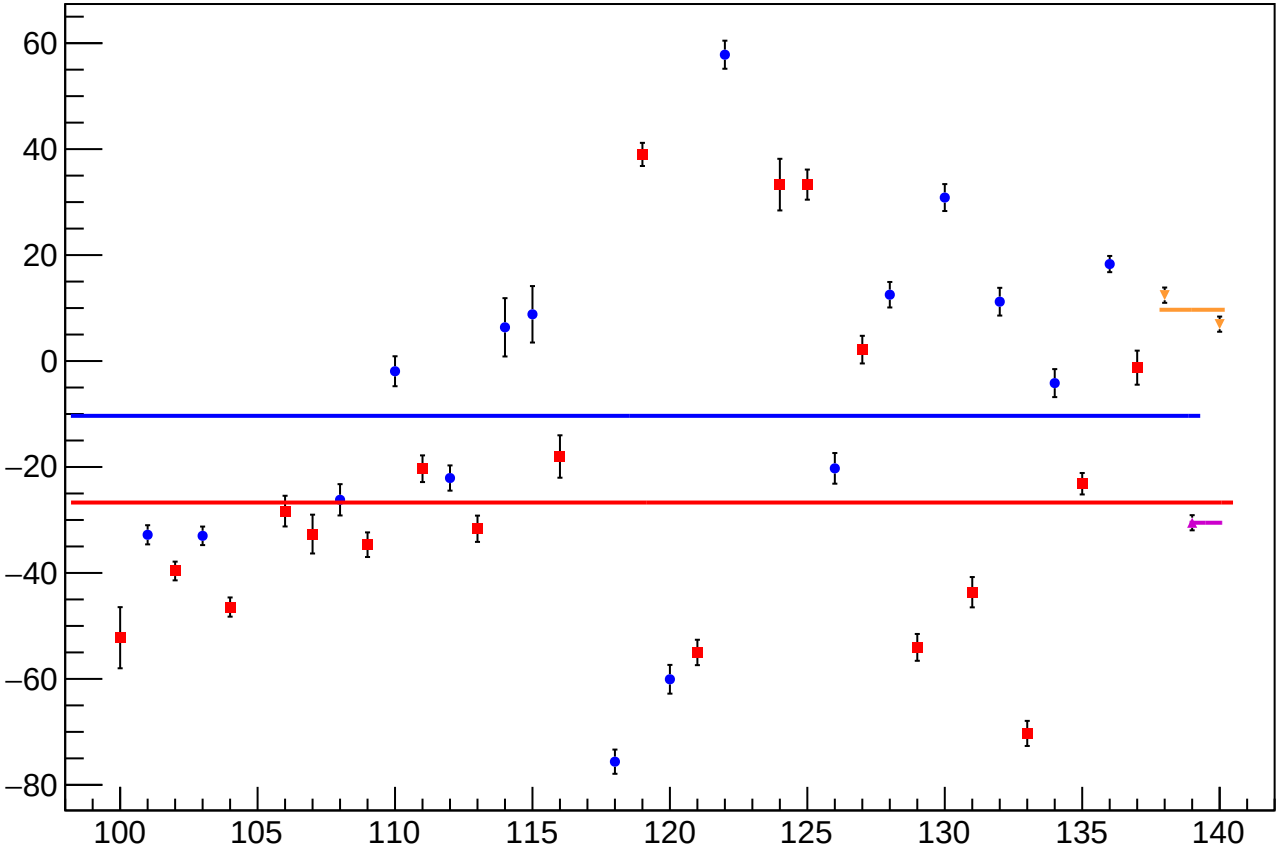
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1560.090+/-0.389 χ^2/NDF:89533.9/16

Out: 1557.344+/-0.365 χ^2/NDF:114379.9/20

All: 1558.632+/-0.266 χ^2/NDF: 203940.3/37

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 9.678+/-1.017 χ^2/NDF:7.2/1

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -30.523+/-1.432 χ^2/NDF:0.0/0

Left: -3.795+/-0.829 χ^2/NDF: 530.9/2

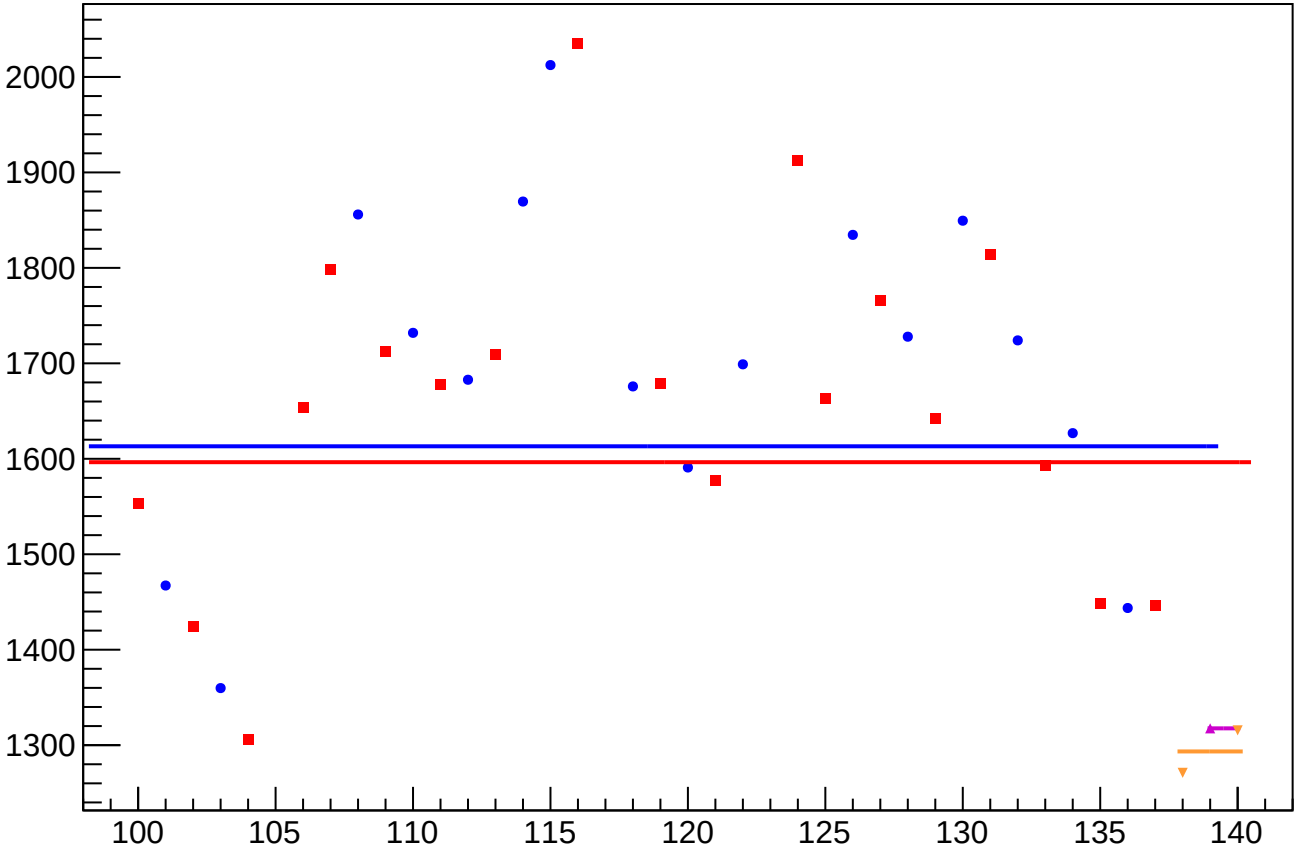
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -13.384+/-0.556 χ^2/NDF:3175.6/16

Out: -17.631+/-0.508 χ^2/NDF:3508.7/20

All: -15.698+/-0.375 χ^2/NDF: 6716.1/37

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1293.414+/-0.719 χ^2/NDF:956.8/1

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1317.615+/-1.013 χ^2/NDF:0.0/0

Left: 1301.525+/-0.586 χ^2/NDF: 1336.3/2

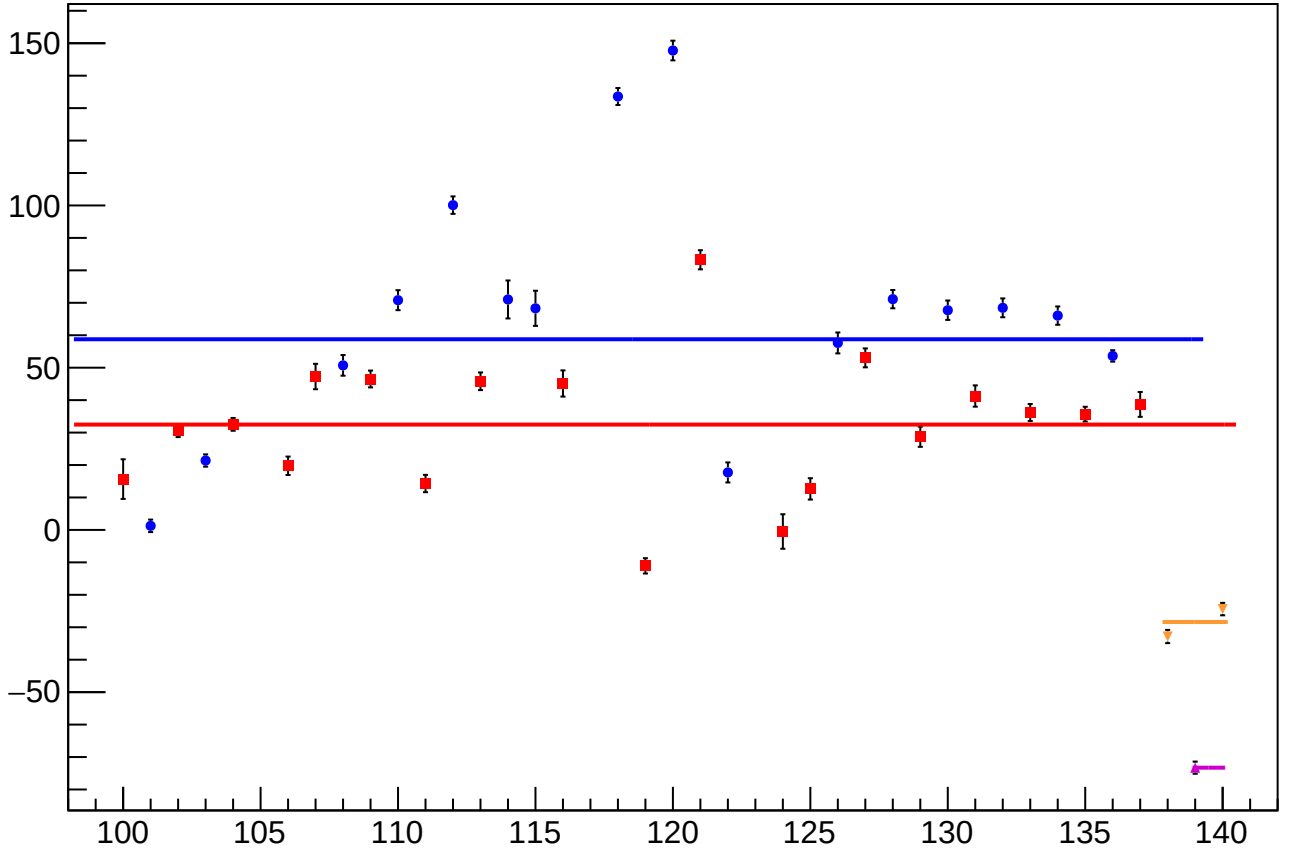
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1568.596+/-0.393 χ^2/NDF:226999.5/16

Out: 1520.839+/-0.359 χ^2/NDF:294939.5/20

All: 1542.572+/-0.265 χ^2/NDF: 529983.5/37

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -28.375+/-1.397 χ^2/NDF:9.1/1

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -73.281+/-1.884 χ^2/NDF:0.0/0

Left: -44.306+/-1.122 χ^2/NDF: 375.7/2

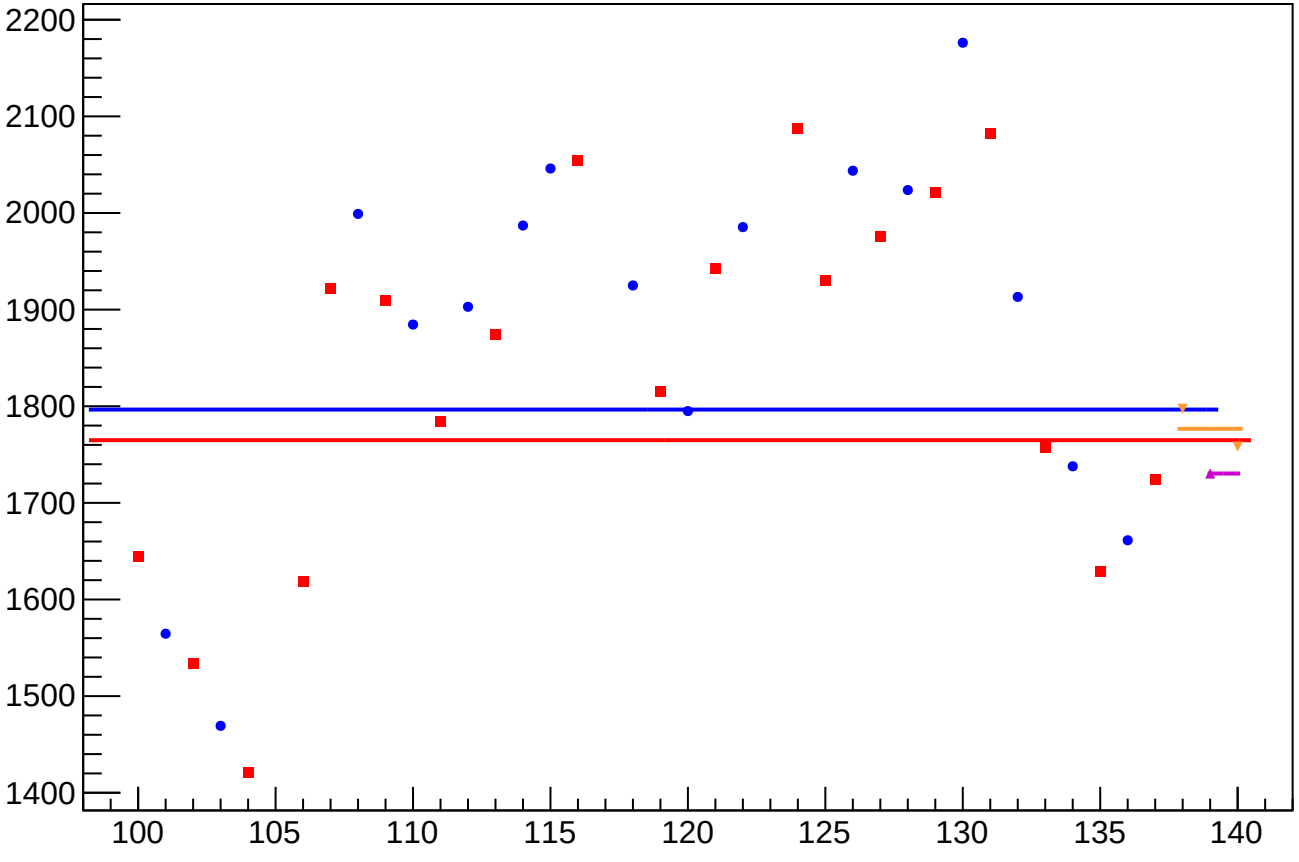
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: 43.839+/-0.633 χ^2/NDF:7800.8/16

Out: 21.680+/-0.588 χ^2/NDF:2500.7/20

All: 31.941+/-0.431 χ^2/NDF: 10958.8/37

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1776.652+/-0.988 χ^2/NDF:391.1/1

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 1730.372+/-1.332 χ^2/NDF:0.0/0

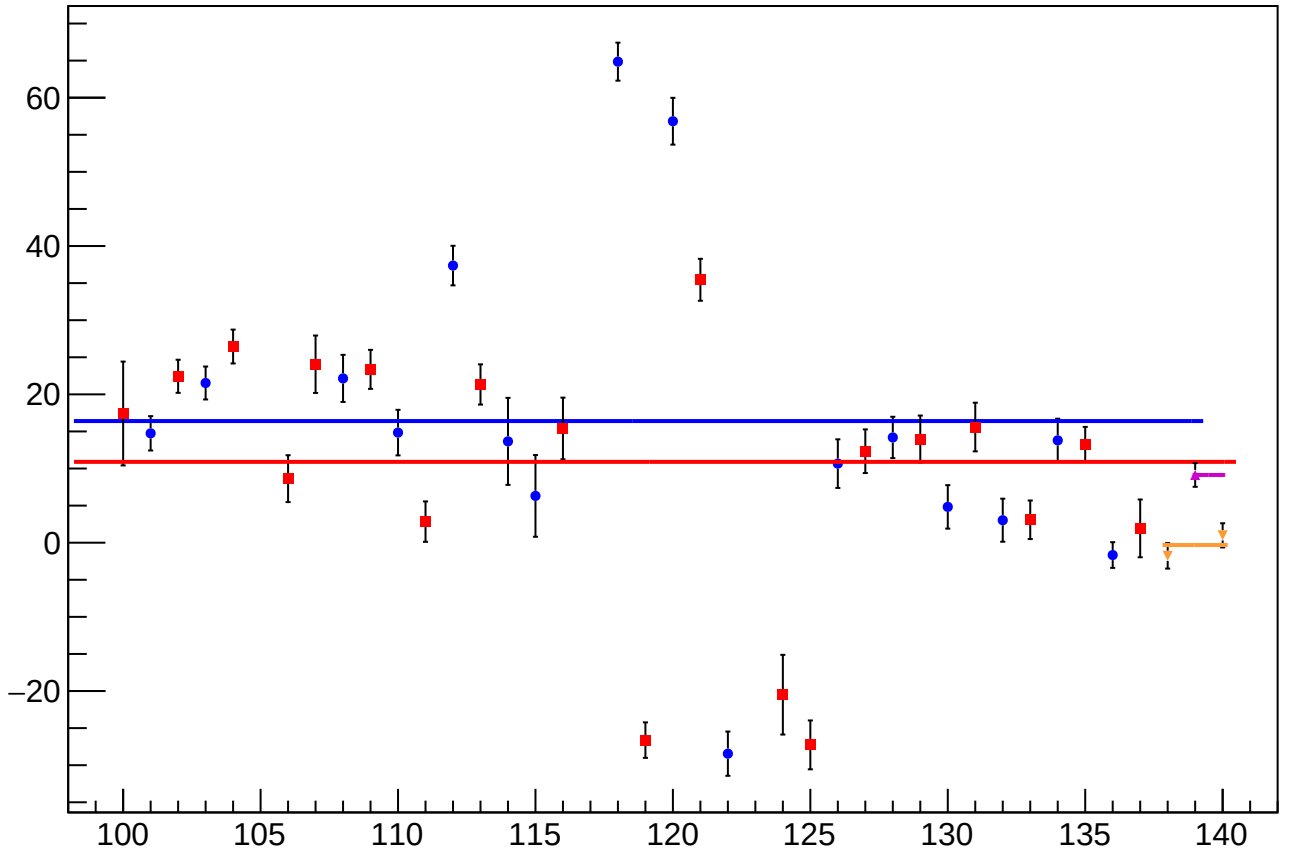
Left: 1760.234+/-0.793 χ^2/NDF: 1169.9/2

Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1789.075+/-0.448 χ^2/NDF:195361.3/16

Out: 1766.951+/-0.416 χ^2/NDF:190496.2/20

All: 1777.196+/-0.305 χ^2/NDF: 387168.0/37



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -0.314+/-1.182 χ^2/NDF:1.4/1

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 9.131+/-1.598 χ^2/NDF:0.0/0

Left: 3.028+/-0.950 χ^2/NDF: 23.9/2

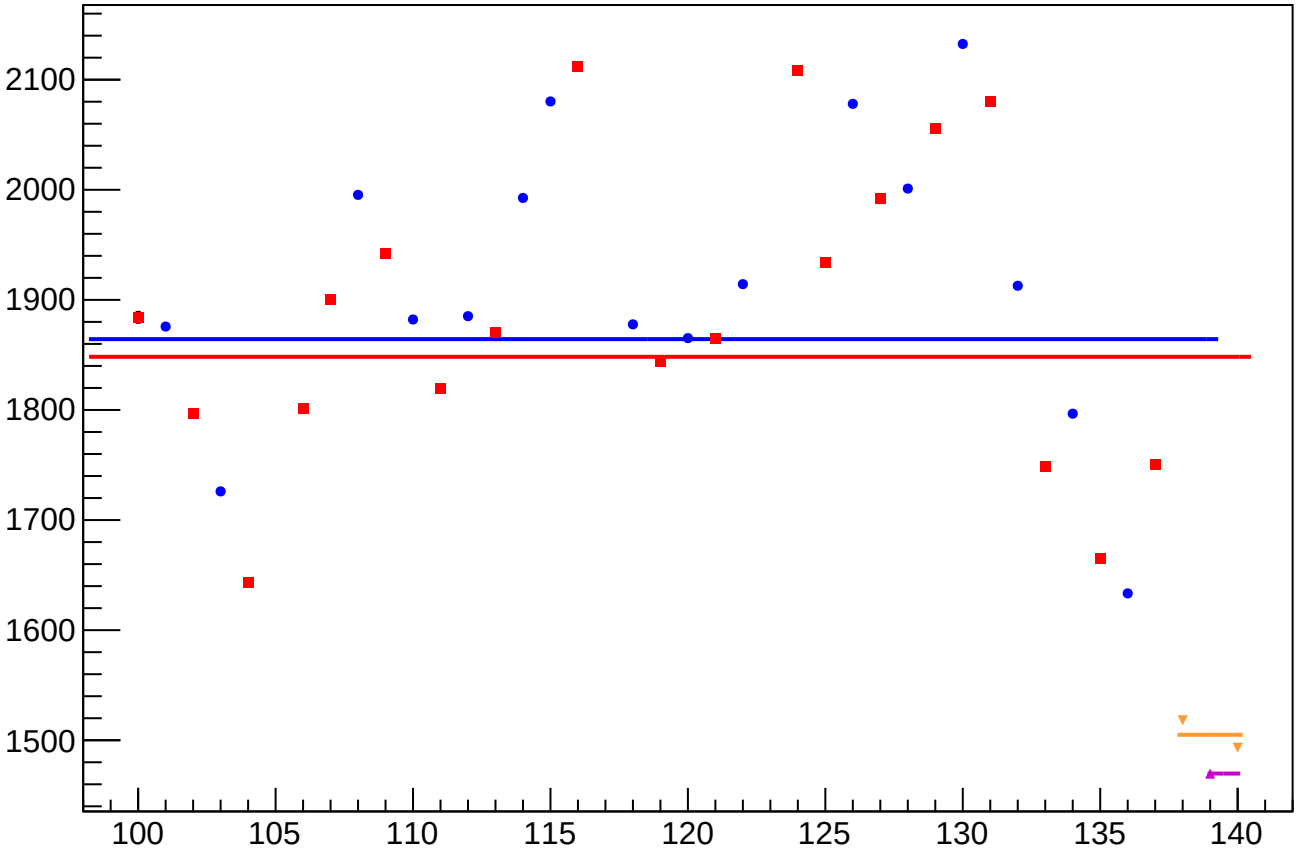
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 15.244+/-0.637 χ^2/NDF:990.4/16

Out: 8.135+/-0.587 χ^2/NDF:710.8/20

All: 11.398+/-0.432 χ^2/NDF: 1768.5/37

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1504.959+/-0.836 χ^2/NDF:220.2/1

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1469.750+/-1.130 χ^2/NDF:0.0/0

Left: 1492.501+/-0.672 χ^2/NDF: 847.7/2

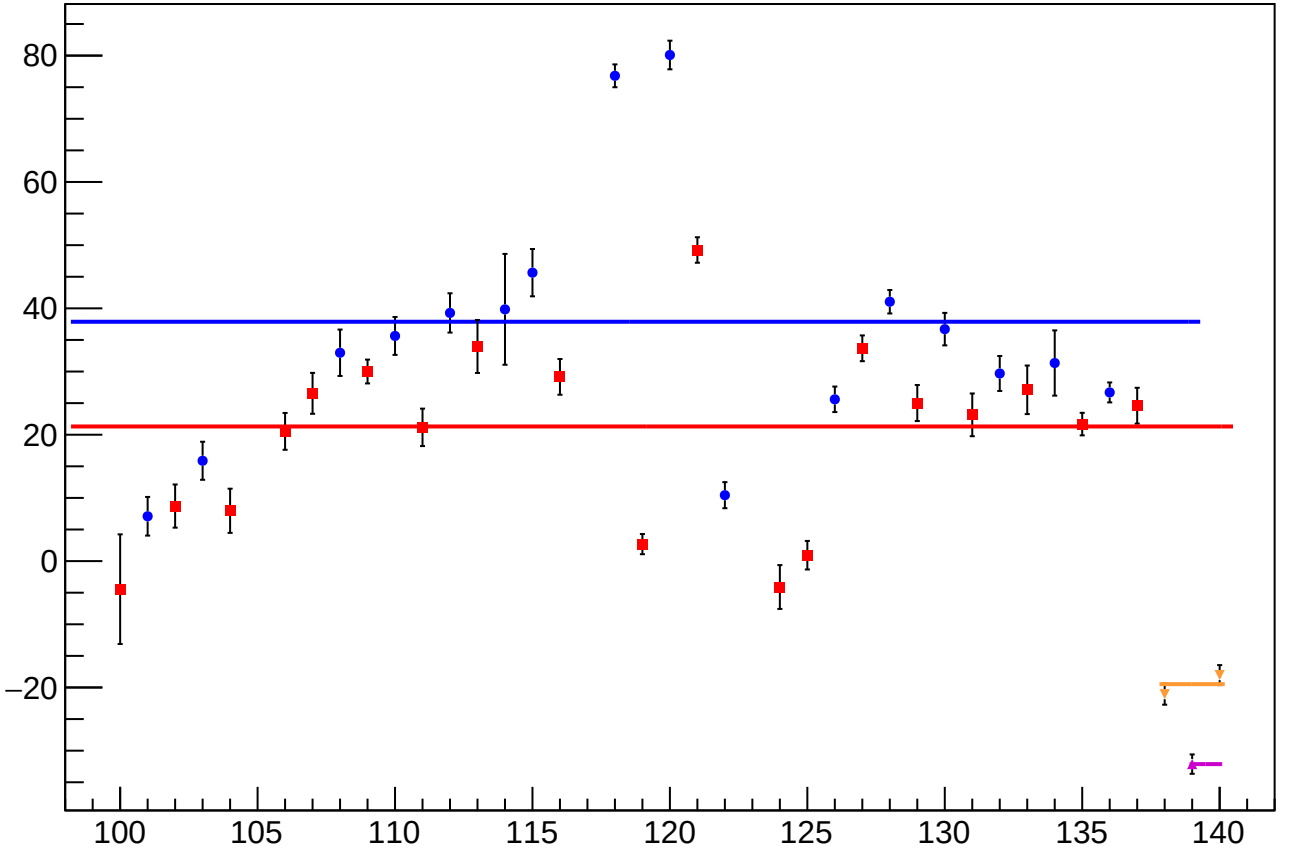
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1801.563+/-0.451 χ^2/NDF:185877.3/16

Out: 1763.656+/-0.415 χ^2/NDF:202243.0/20

All: 1781.055+/-0.305 χ^2/NDF: 391948.4/37

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -19.473+/-1.148 χ^2/NDF:1.7/1

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -32.127+/-1.533 χ^2/NDF:0.0/0

Left: -24.017+/-0.919 χ^2/NDF: 45.4/2

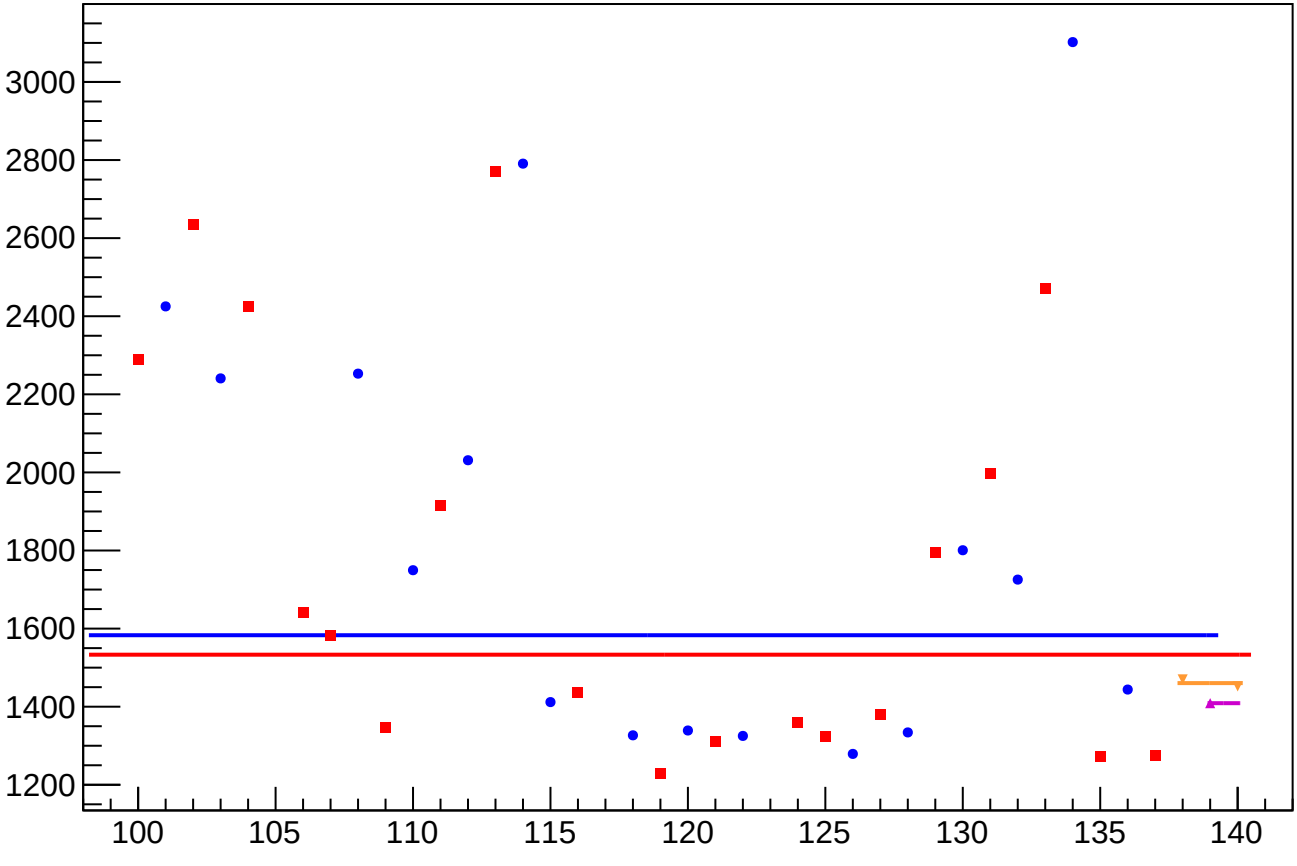
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 27.978+/-0.577 χ^2/NDF:3039.5/16

Out: 12.715+/-0.527 χ^2/NDF:1580.8/20

All: 19.658+/-0.389 χ^2/NDF: 5002.1/37

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1460.411+/-0.812 χ^2/NDF:124.4/1

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1409.006+/-1.084 χ^2/NDF:0.0/0

Left: 1441.952+/-0.650 χ^2/NDF: 1565.0/2

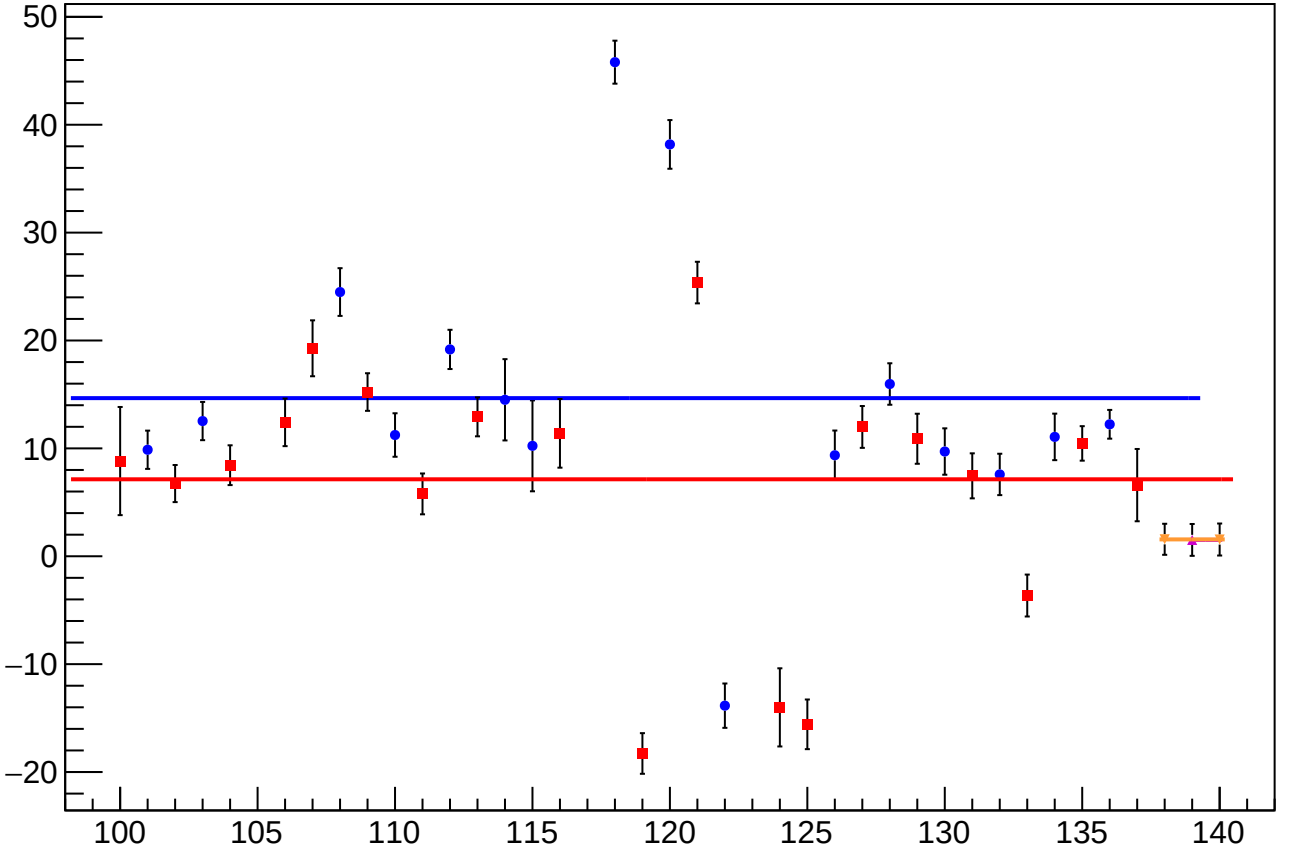
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1558.433+/-0.408 χ^2/NDF:809795.1/16

Out: 1517.858+/-0.372 χ^2/NDF:957249.6/20

All: 1536.315+/-0.275 χ^2/NDF: 1772442.0/37

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 1.563+/-1.033 χ^2/NDF:0.0/1

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: 1.515+/-1.476 χ^2/NDF:0.0/0

Left: 1.547+/-0.846 χ^2/NDF: 0.0/2

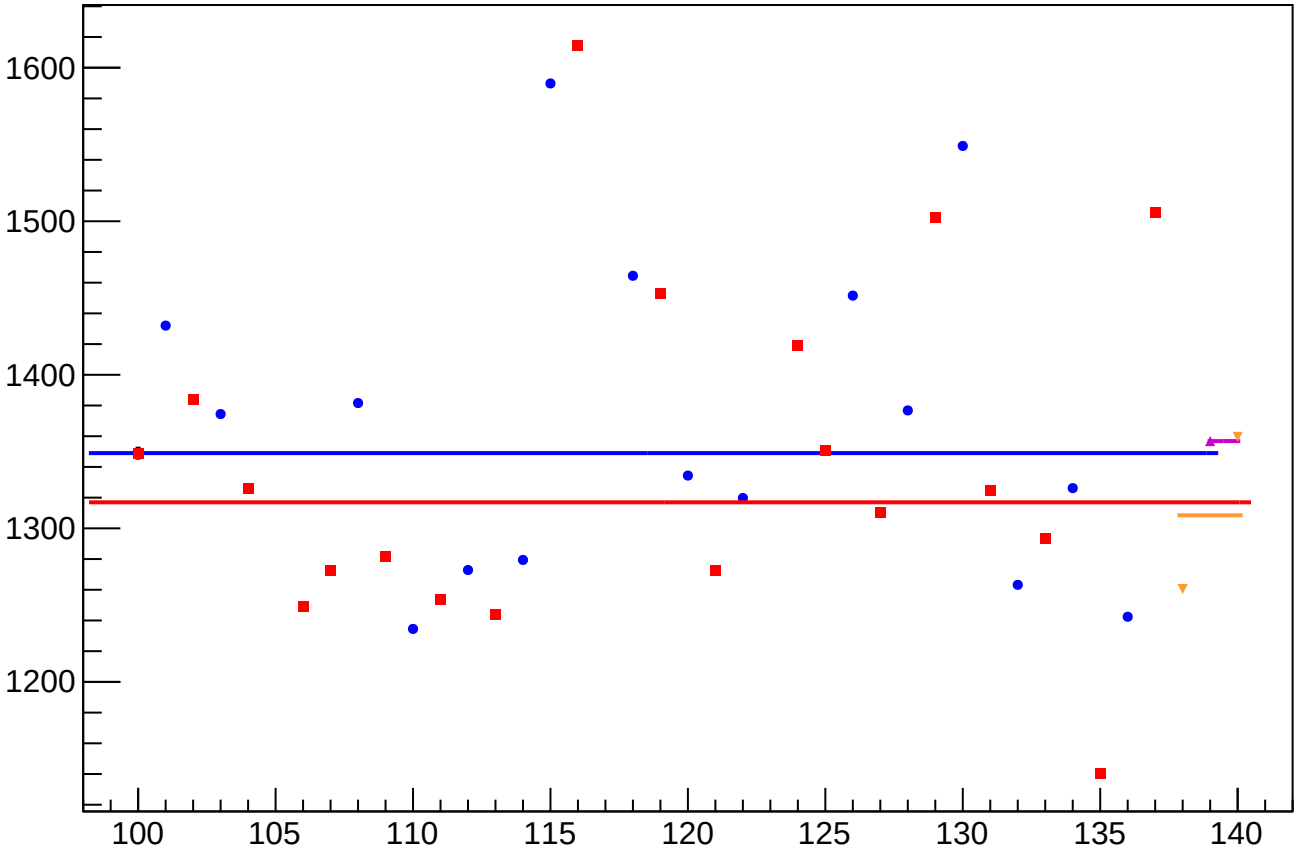
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 13.284+/-0.477 χ^2/NDF:685.7/16

Out: 6.134+/-0.438 χ^2/NDF:533.3/20

All: 9.399+/-0.323 χ^2/NDF: 1340.9/37

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1308.488+/-0.730 χ^2/NDF:4602.5/1

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1356.836+/-1.044 χ^2/NDF:0.0/0

Left: 1324.371+/-0.598 χ^2/NDF: 6042.8/2

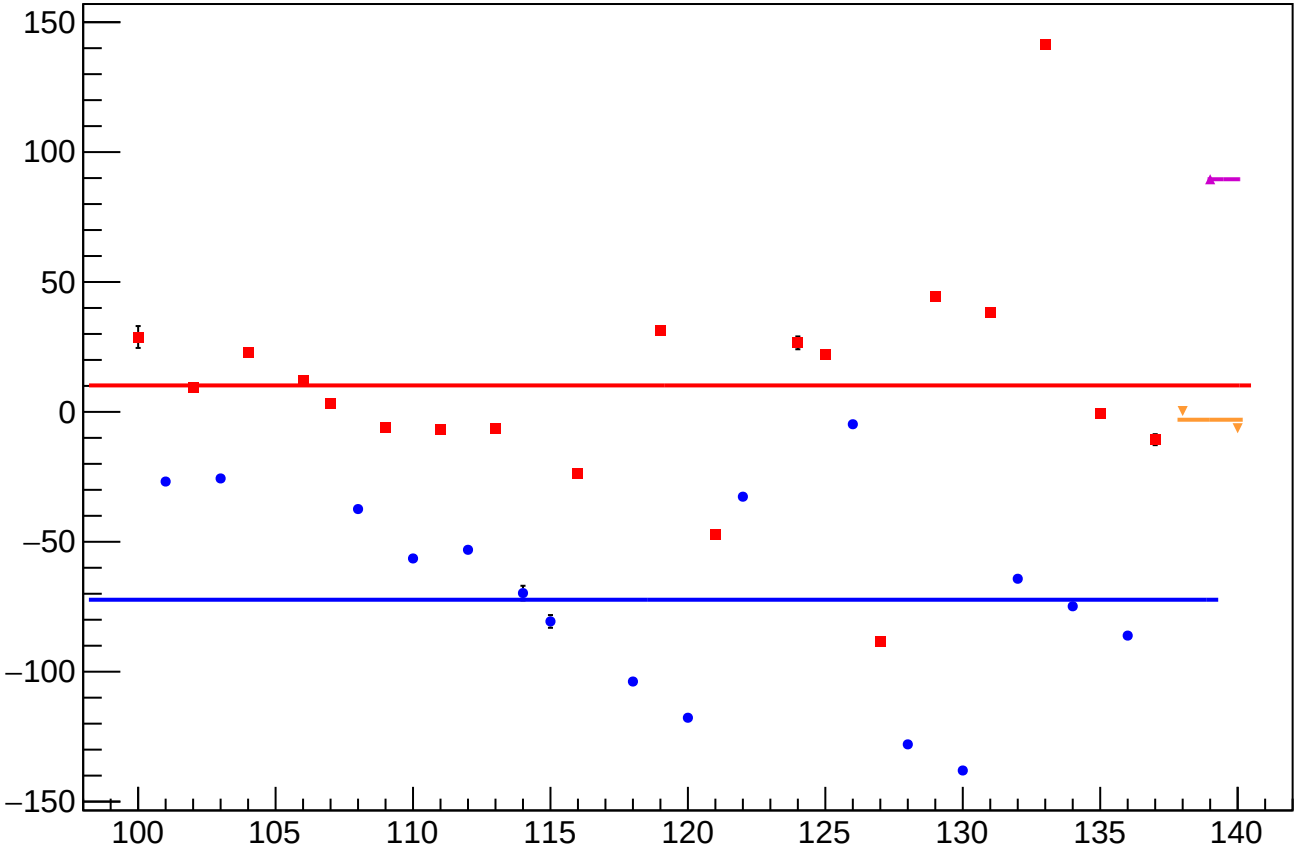
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1349.820+/-0.338 χ^2/NDF:68434.2/16

Out: 1315.439+/-0.309 χ^2/NDF:91586.7/20

All: 1331.139+/-0.228 χ^2/NDF: 165657.1/37

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -3.015+/-0.715 χ^2/NDF:21.4/1

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 89.549+/-0.970 χ^2/NDF:0.0/0

Left: 29.536+/-0.575 χ^2/NDF: 5922.8/2

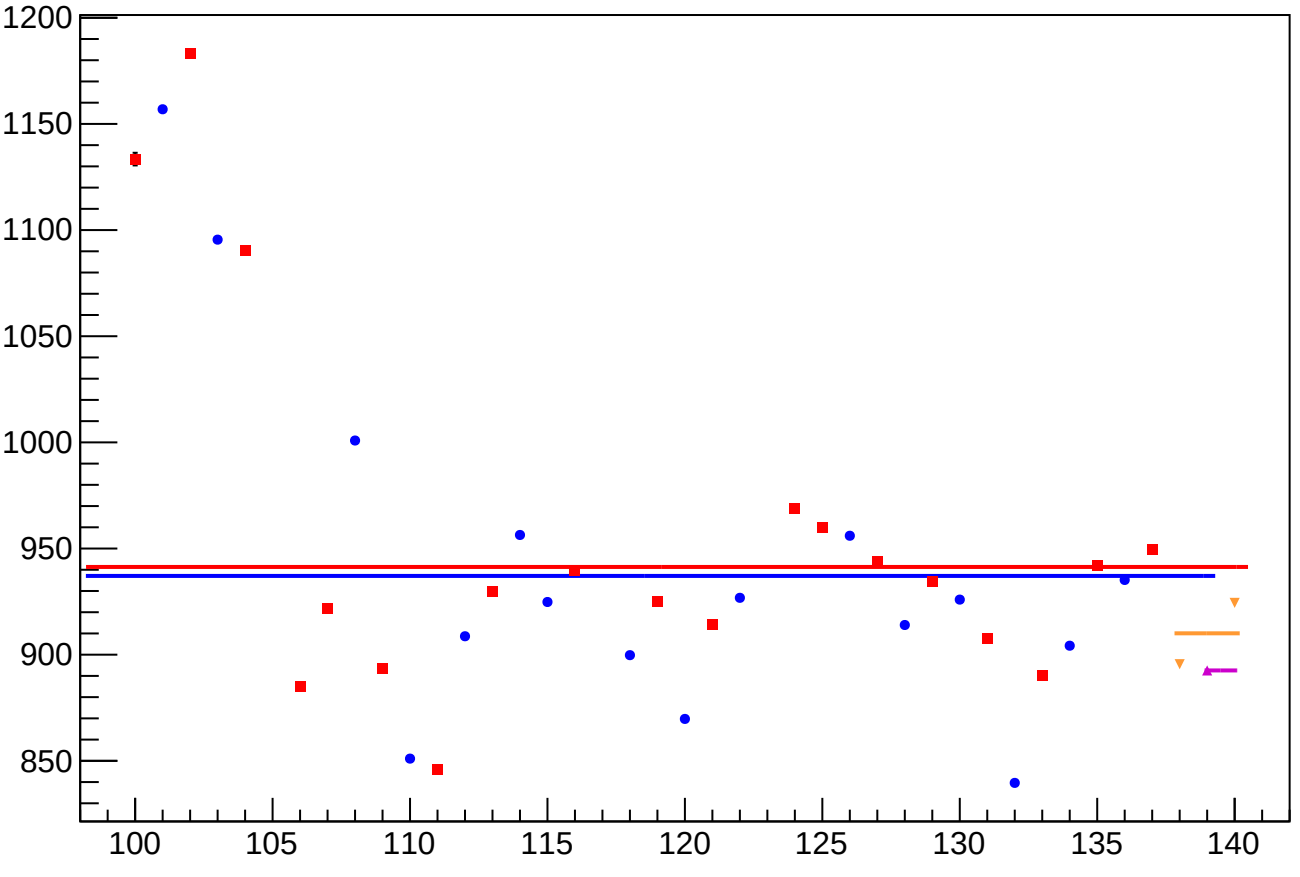
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: -53.718+/-0.329 χ^2/NDF:36787.6/16

Out: 7.698+/-0.310 χ^2/NDF:19344.3/20

All: -21.240+/-0.226 χ^2/NDF: 74584.6/37

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 910.061+/-0.505 χ^2/NDF:817.1/1

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 892.577+/-0.686 χ^2/NDF:0.0/0

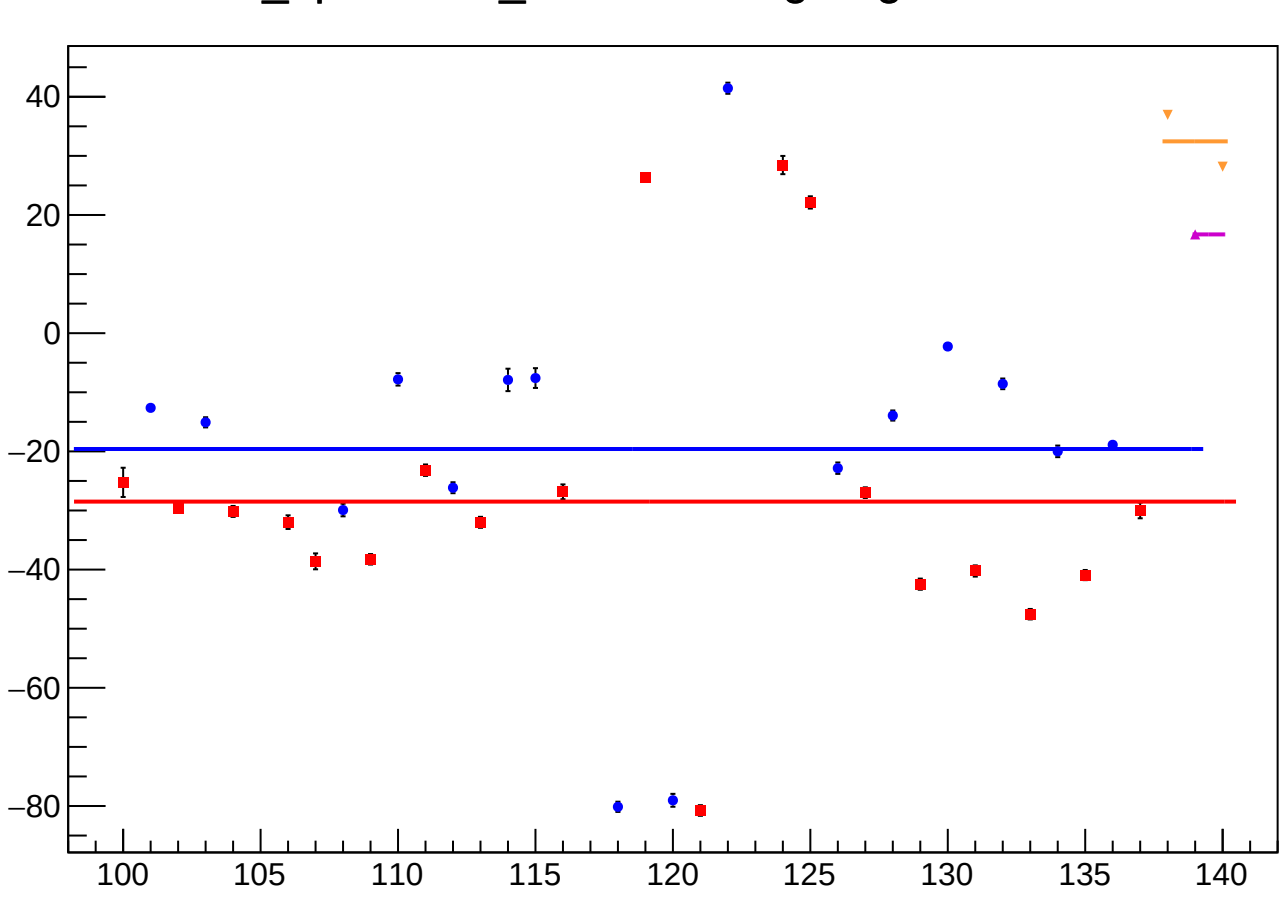
Left: 903.912+/-0.407 χ^2/NDF: 1238.2/2

Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 931.985+/-0.232 χ^2/NDF:108388.0/16

Out: 935.426+/-0.219 χ^2/NDF:104954.5/20

All: 933.804+/-0.160 χ^2/NDF: 213458.4/37



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 32.456+/-0.501 χ^2/NDF:76.4/1

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 16.713+/-0.689 χ^2/NDF:0.0/0

Left: 27.001+/-0.405 χ^2/NDF: 418.0/2

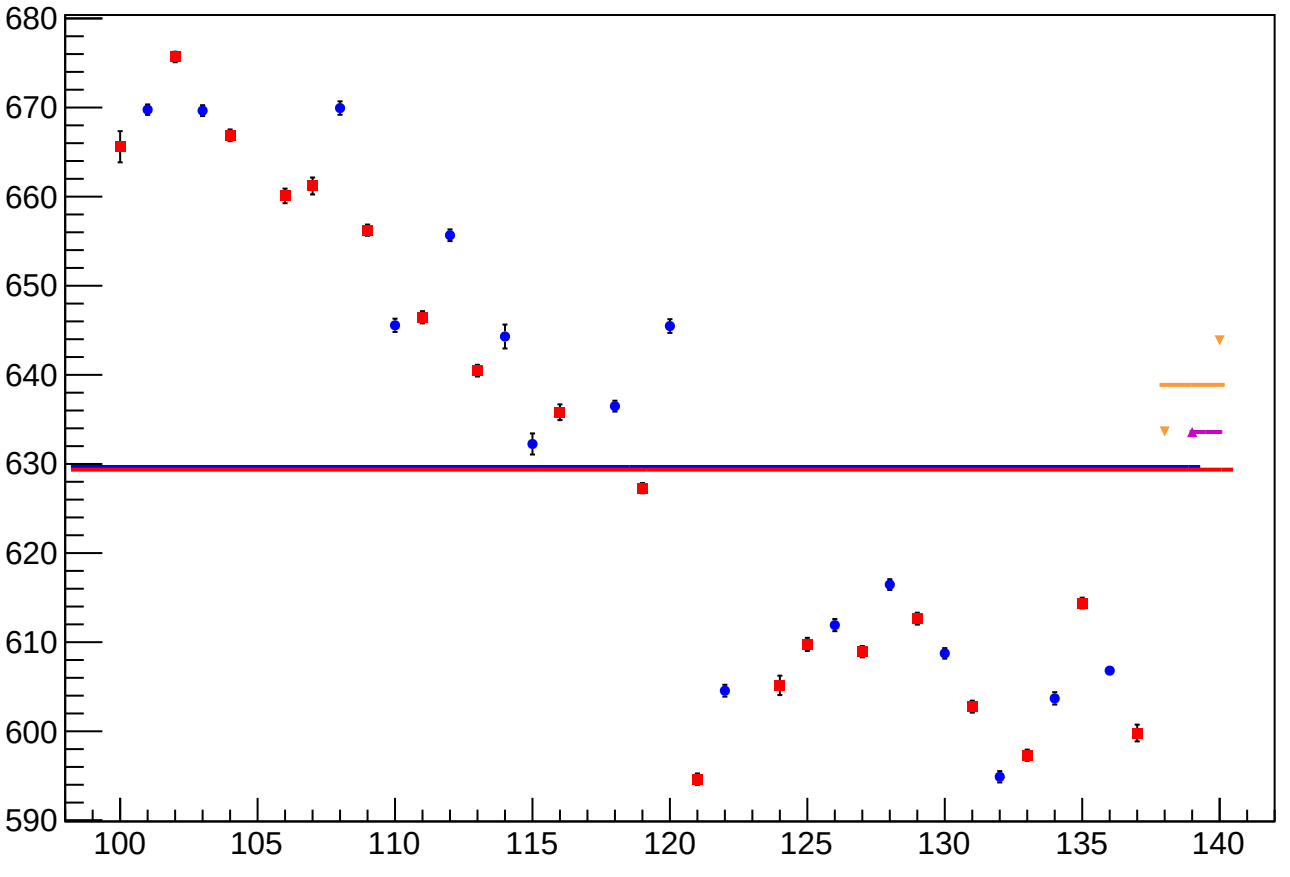
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -15.836+/-0.222 χ^2/NDF:15662.5/16

Out: -17.927+/-0.209 χ^2/NDF:25260.4/20

All: -16.943+/-0.152 χ^2/NDF: 40970.0/37

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 638.876+/-0.355 χ^2/NDF:207.6/1

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 633.591+/-0.487 χ^2/NDF:0.0/0

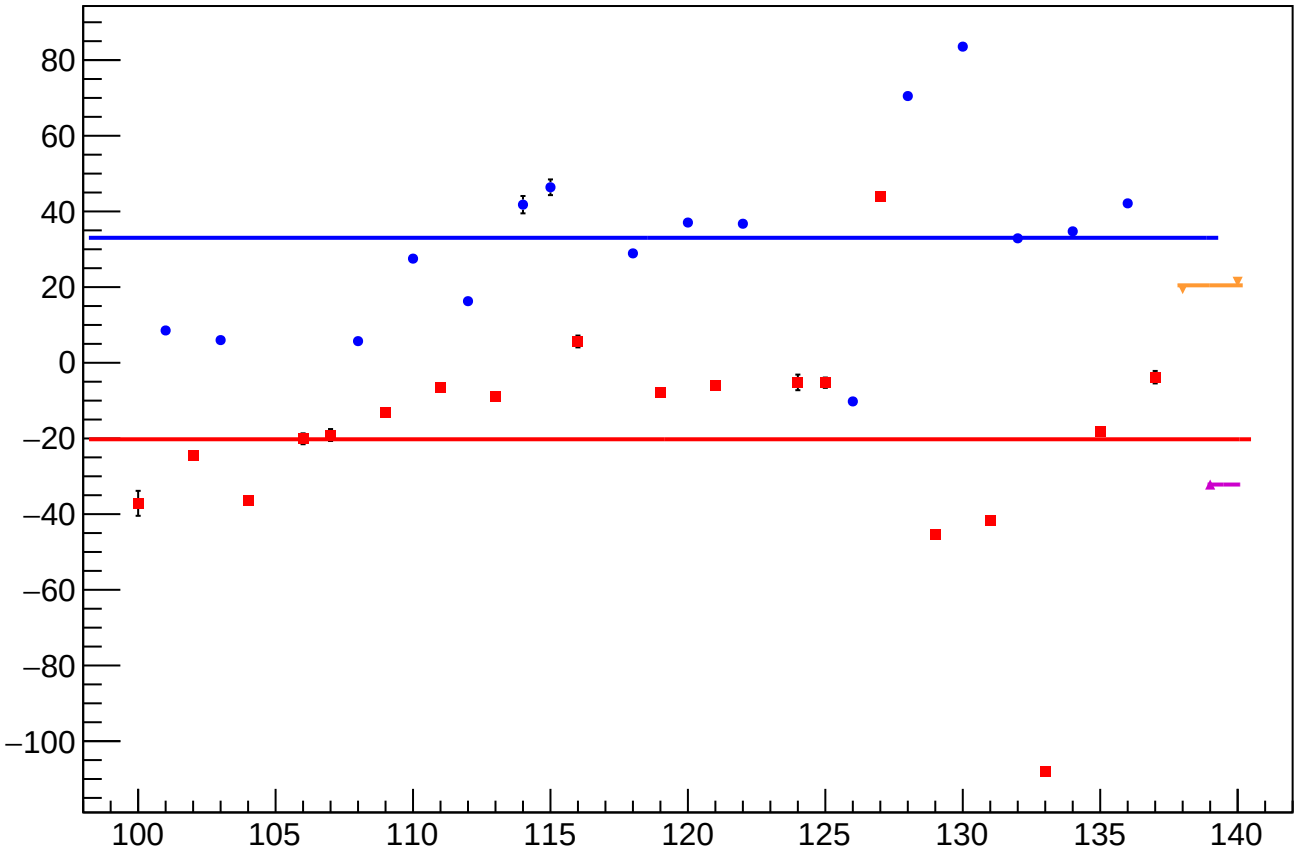
Left: 637.045+/-0.287 χ^2/NDF: 284.6/2

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 630.067+/-0.157 χ^2/NDF:25373.9/16

Out: 631.011+/-0.148 χ^2/NDF:27594.1/20

All: 630.567+/-0.107 χ^2/NDF: 52987.3/37



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 20.470+/-0.760 χ^2/NDF:1.6/1

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -32.179+/-1.043 χ^2/NDF:0.0/0

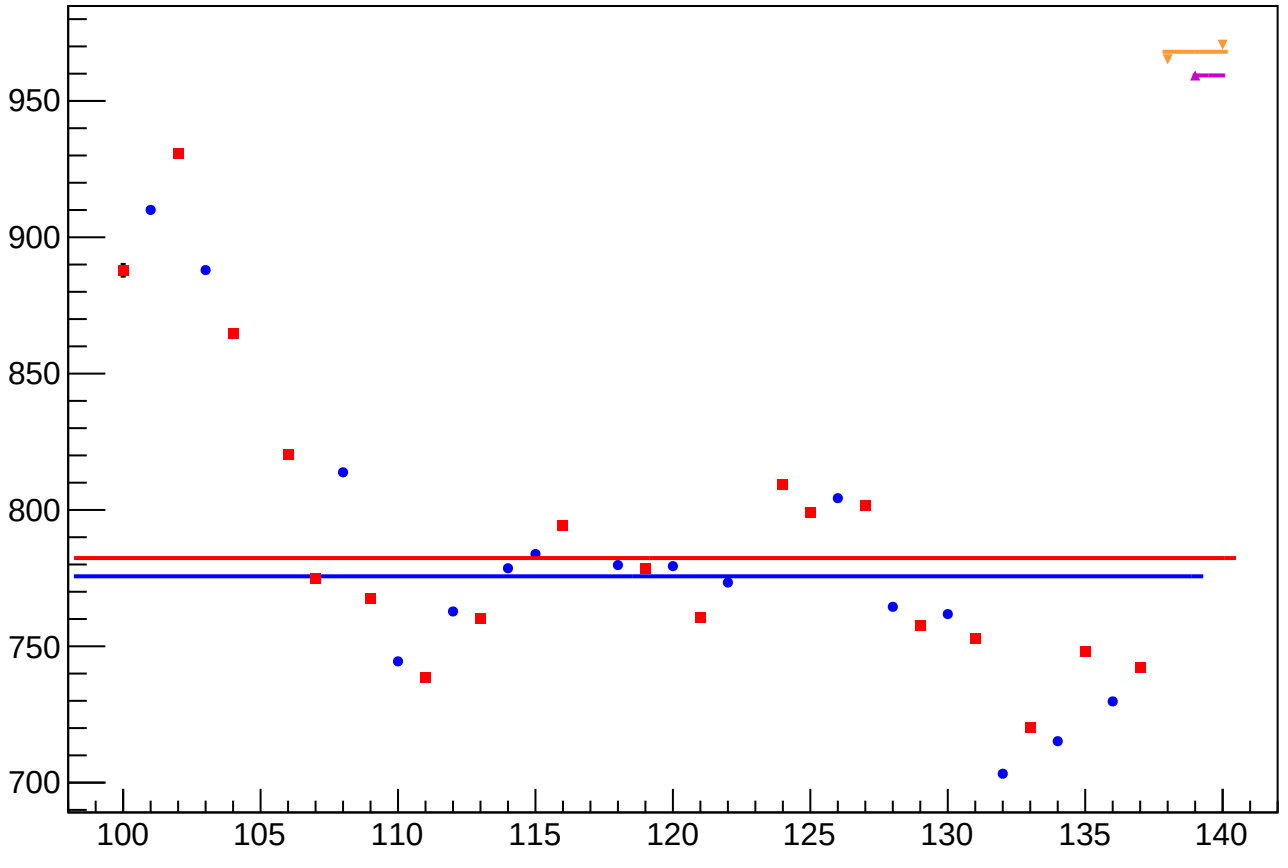
Left: 2.208+/-0.614 χ^2/NDF: 1665.7/2

Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 28.387+/-0.278 χ^2/NDF:10330.5/16

Out: -15.171+/-0.268 χ^2/NDF:14381.0/20

All: 5.748+/-0.193 χ^2/NDF: 37431.7/37



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 968.037+/-0.537 χ^2/NDF:24.8/1

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 959.366+/-0.738 χ^2/NDF:0.0/0

Left: 965.030+/-0.434 χ^2/NDF: 115.0/2

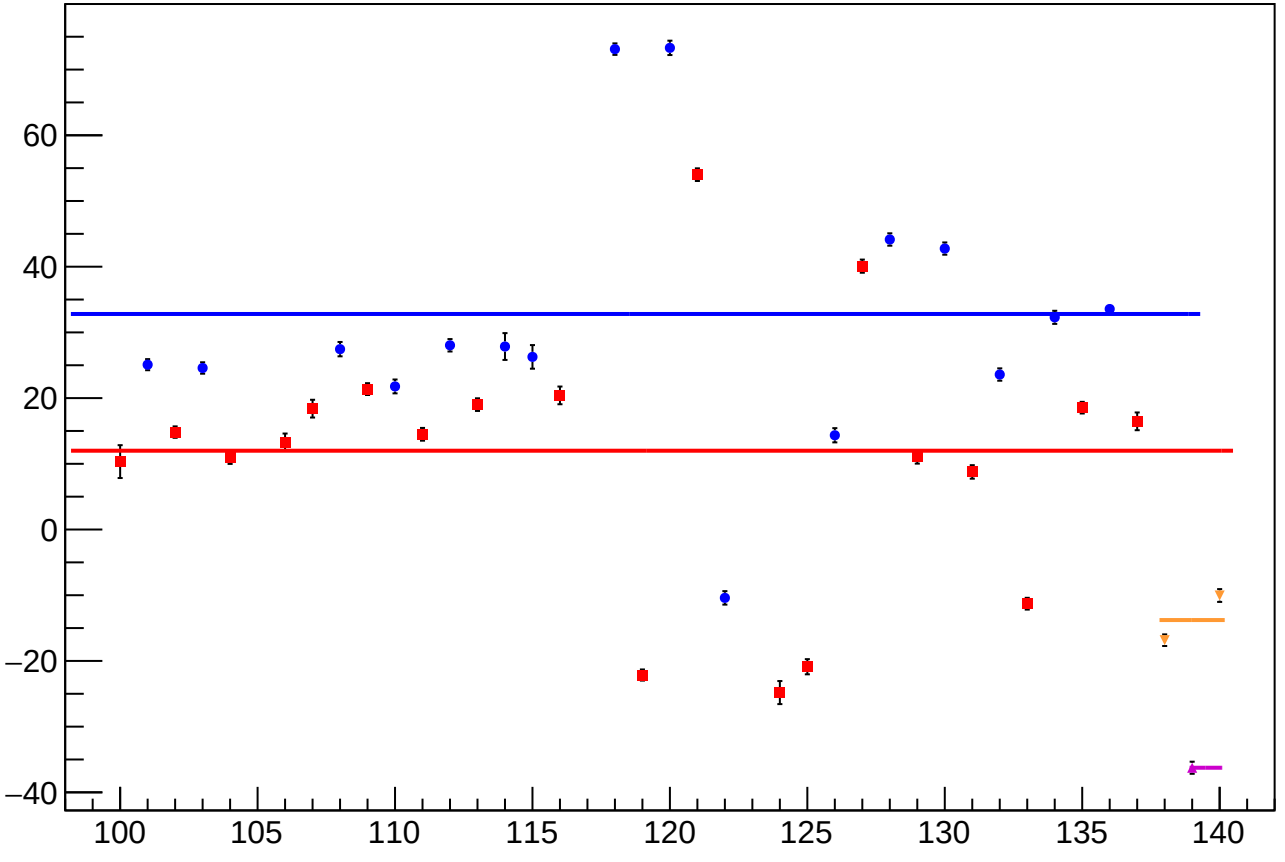
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 788.753+/-0.197 χ^2/NDF:132277.3/16

Out: 805.378+/-0.189 χ^2/NDF:169135.6/20

All: 797.394+/-0.136 χ^2/NDF: 305119.0/37

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -13.779+/-0.655 χ^2/NDF:26.7/1

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -36.257+/-0.922 χ^2/NDF:0.0/0

Left: -21.319+/-0.534 χ^2/NDF: 422.1/2

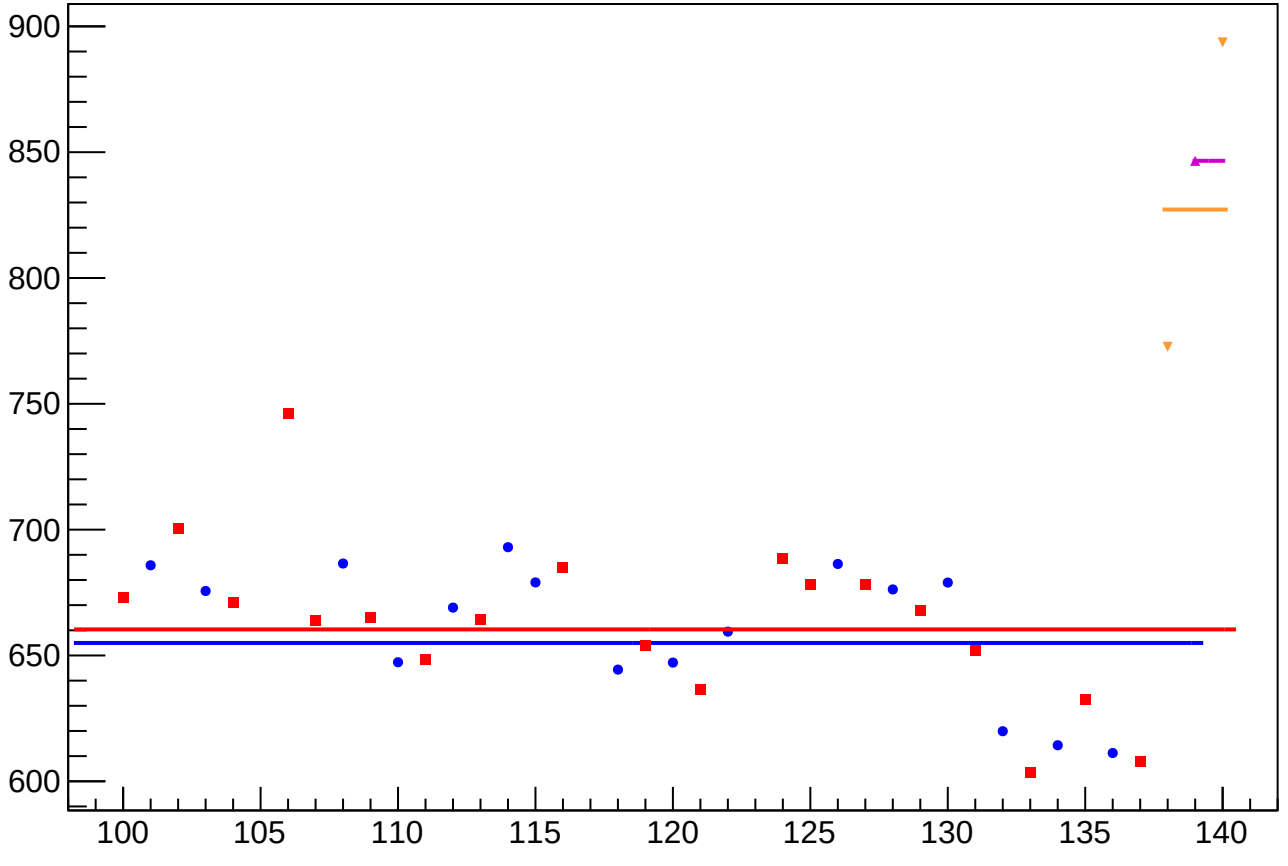
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 28.296+/-0.235 χ^2/NDF:11509.1/16

Out: 8.915+/-0.226 χ^2/NDF:7951.0/20

All: 18.221+/-0.163 χ^2/NDF: 22982.7/37

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 827.197+/-0.463 χ^2/NDF:16903.8/1

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 846.572+/-0.652 χ^2/NDF:0.0/0

Left: 833.696+/-0.377 χ^2/NDF: 17491.4/2

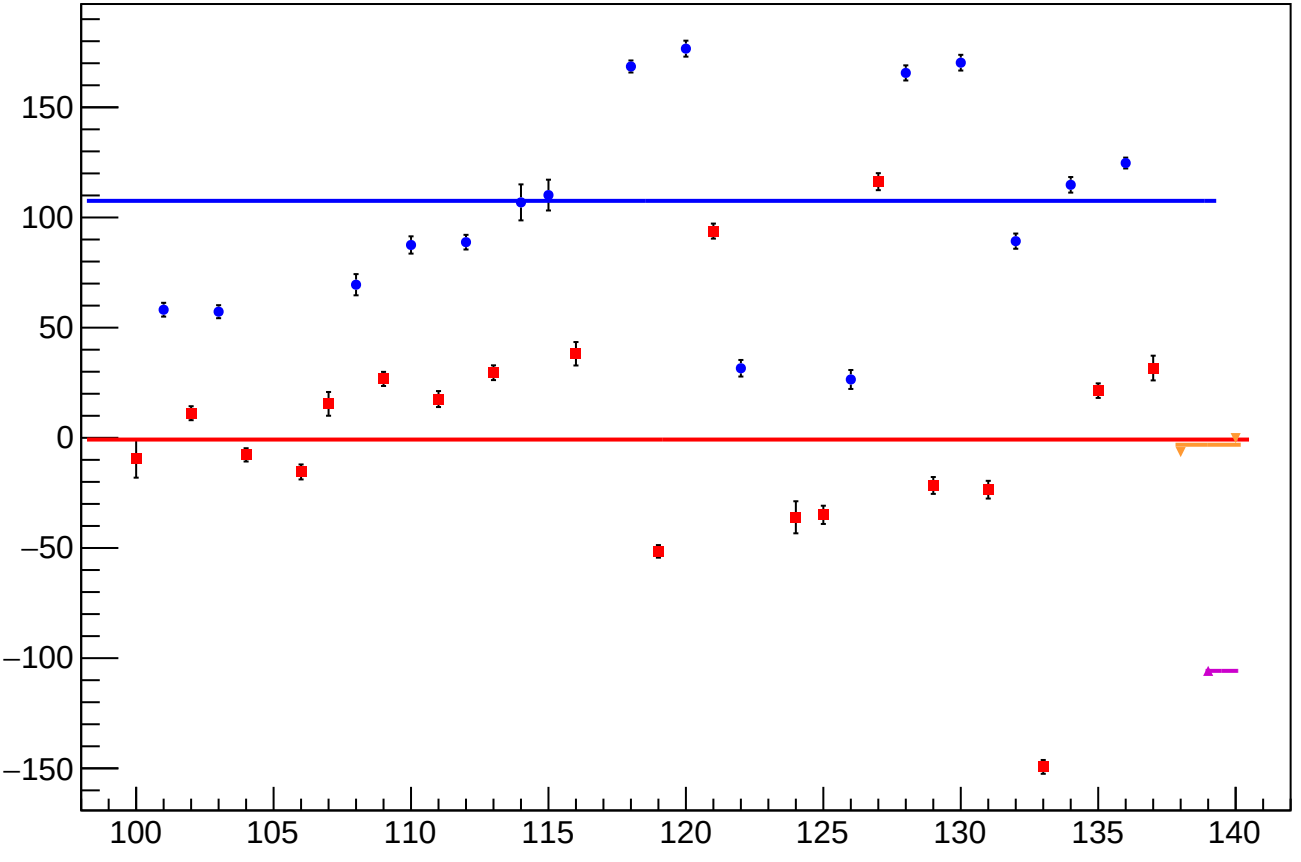
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 667.477+/-0.166 χ^2/NDF:107564.1/16

Out: 680.284+/-0.160 χ^2/NDF:161693.7/20

All: 674.134+/-0.115 χ^2/NDF: 272334.3/37

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: -3.142+/-1.560 χ^2/NDF:4.1/1

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -105.766+/-2.058 χ^2/NDF:0.0/0

Left: -40.577+/-1.243 χ^2/NDF: 1583.3/2

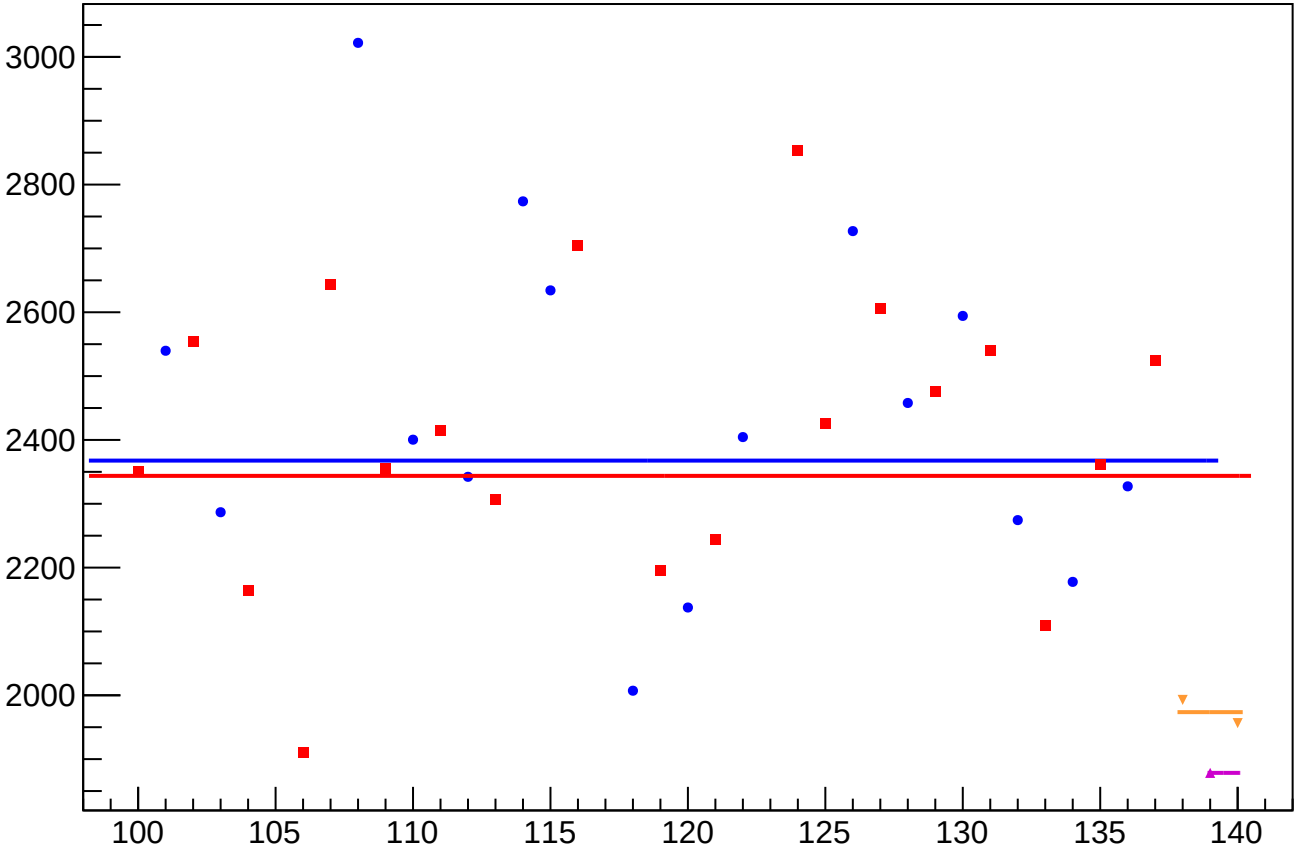
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: 74.243+/-0.813 χ^2/NDF:12019.7/16

Out: -1.337+/-0.754 χ^2/NDF:4769.8/20

All: 33.581+/-0.553 χ^2/NDF: 21435.8/37

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1973.605+/-1.103 χ^2/NDF:271.2/1

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1878.464+/-1.455 χ^2/NDF:0.0/0

Left: 1938.900+/-0.879 χ^2/NDF: 2985.7/2

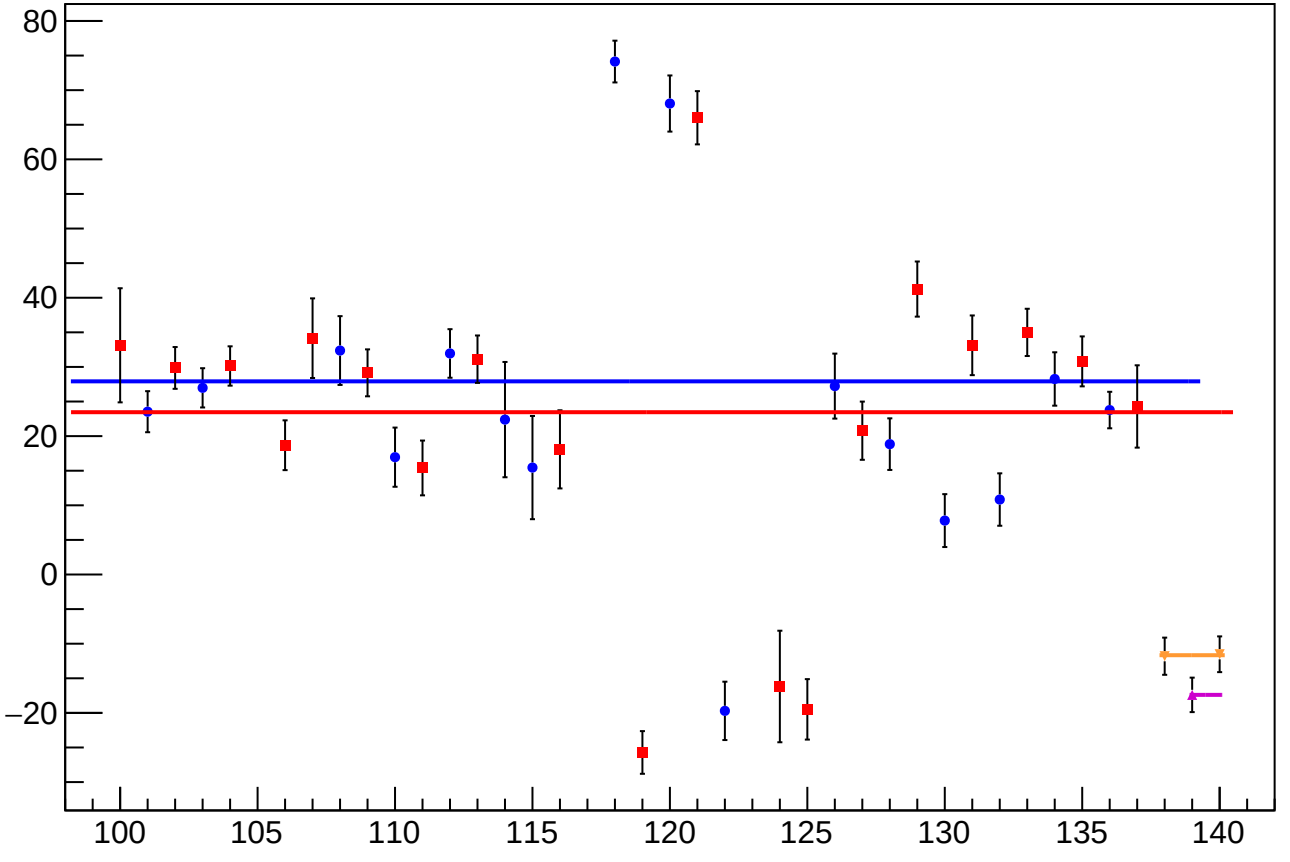
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2291.258+/-0.575 χ^2/NDF:222092.6/16

Out: 2257.293+/-0.533 χ^2/NDF:198861.6/20

All: 2272.985+/-0.391 χ^2/NDF: 422830.9/37

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -11.662+/-1.862 χ^2/NDF:0.0/1

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -17.396+/-2.491 χ^2/NDF:0.0/0

Left: -13.718+/-1.491 χ^2/NDF: 3.4/2

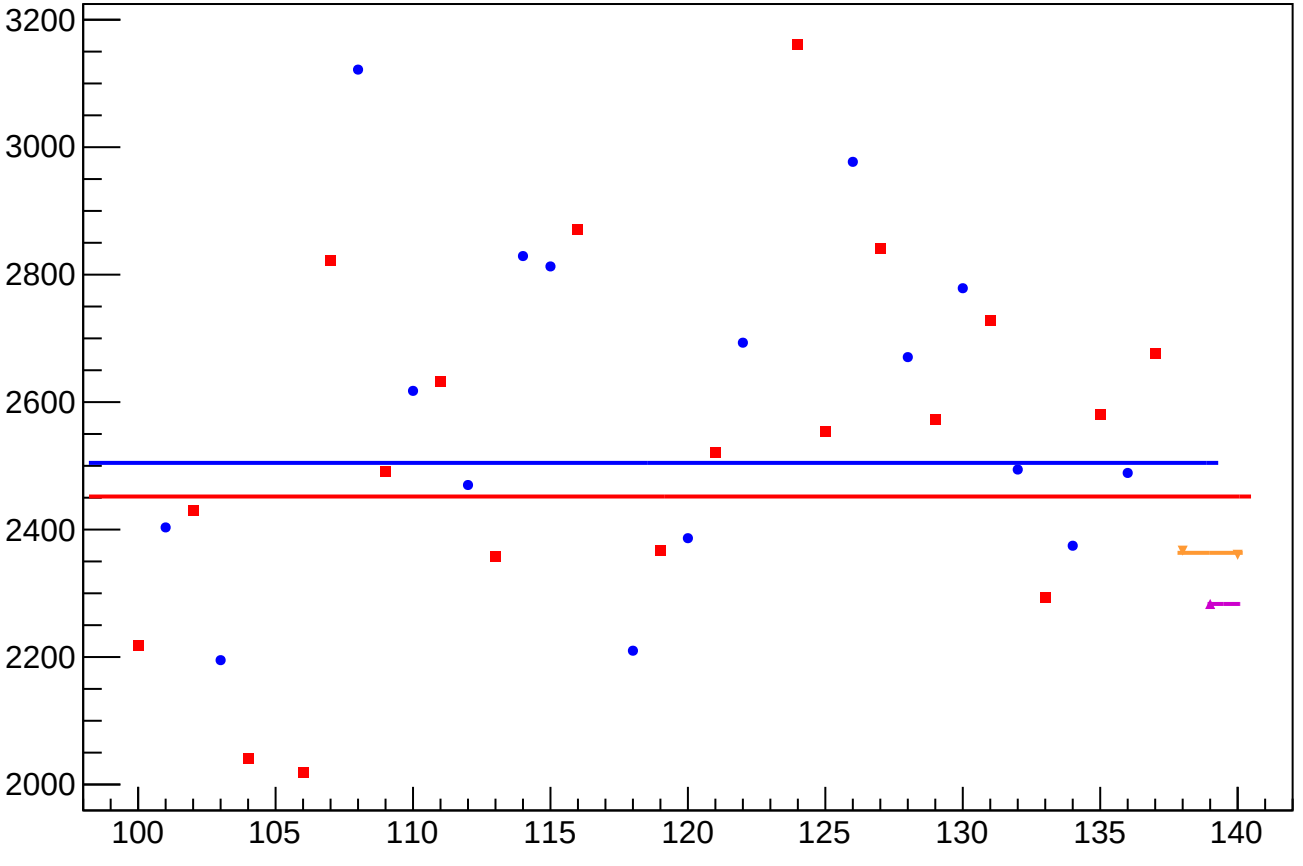
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 22.301+/-0.877 χ^2/NDF:820.6/16

Out: 16.774+/-0.812 χ^2/NDF:856.0/20

All: 19.327+/-0.596 χ^2/NDF: 1698.0/37

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2363.513+/-1.317 χ^2/NDF:6.0/1

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2283.292+/-1.761 χ^2/NDF:0.0/0

Left: 2334.755+/-1.055 χ^2/NDF: 1336.9/2

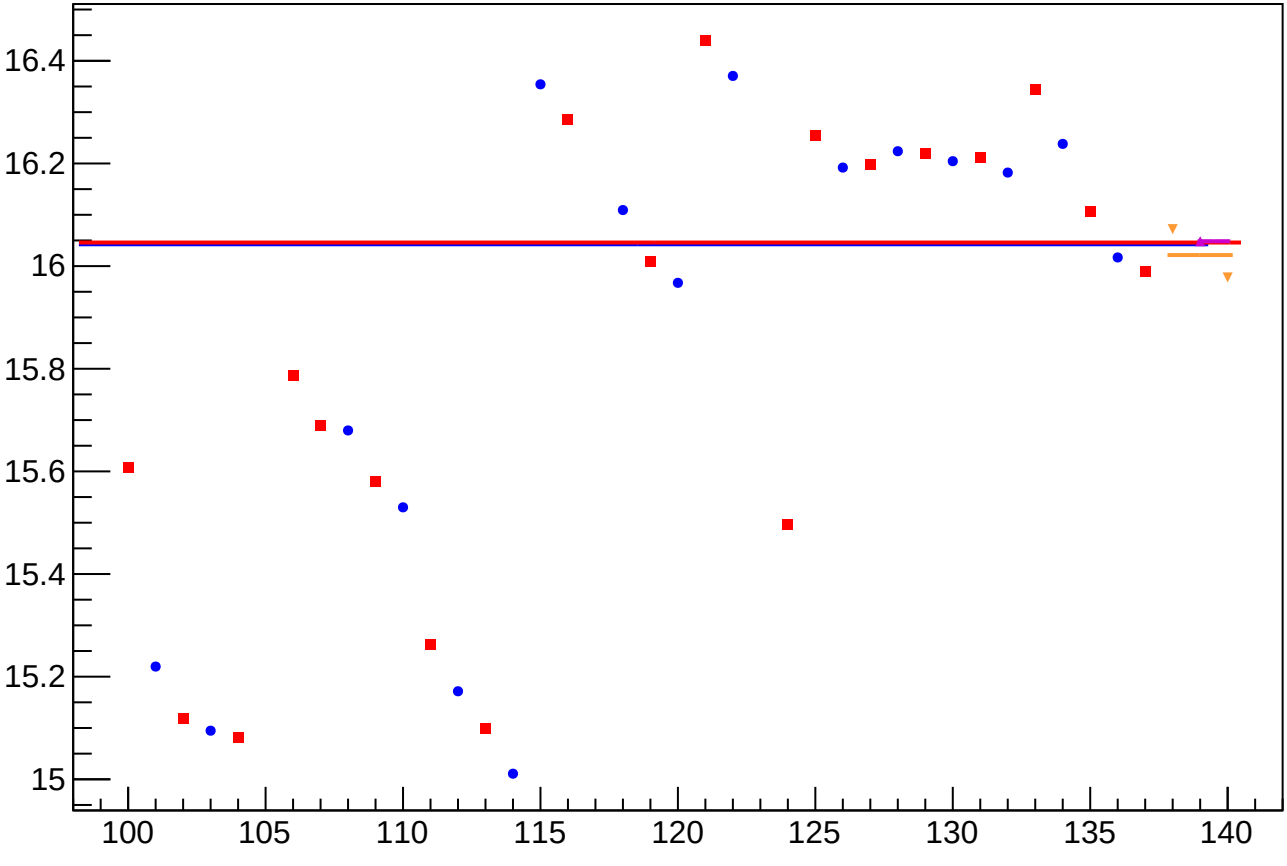
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2477.222+/-0.620 χ^2/NDF:140438.7/16

Out: 2435.064+/-0.574 χ^2/NDF:156890.7/20

All: 2454.534+/-0.421 χ^2/NDF: 299817.8/37

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 16.022+/-0.000 χ^2/NDF:34195565.9/1

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 16.049+/-0.000 χ^2/NDF:0.0/0

Left: 16.030+/-0.000 χ^2/NDF: 37592921.8/2

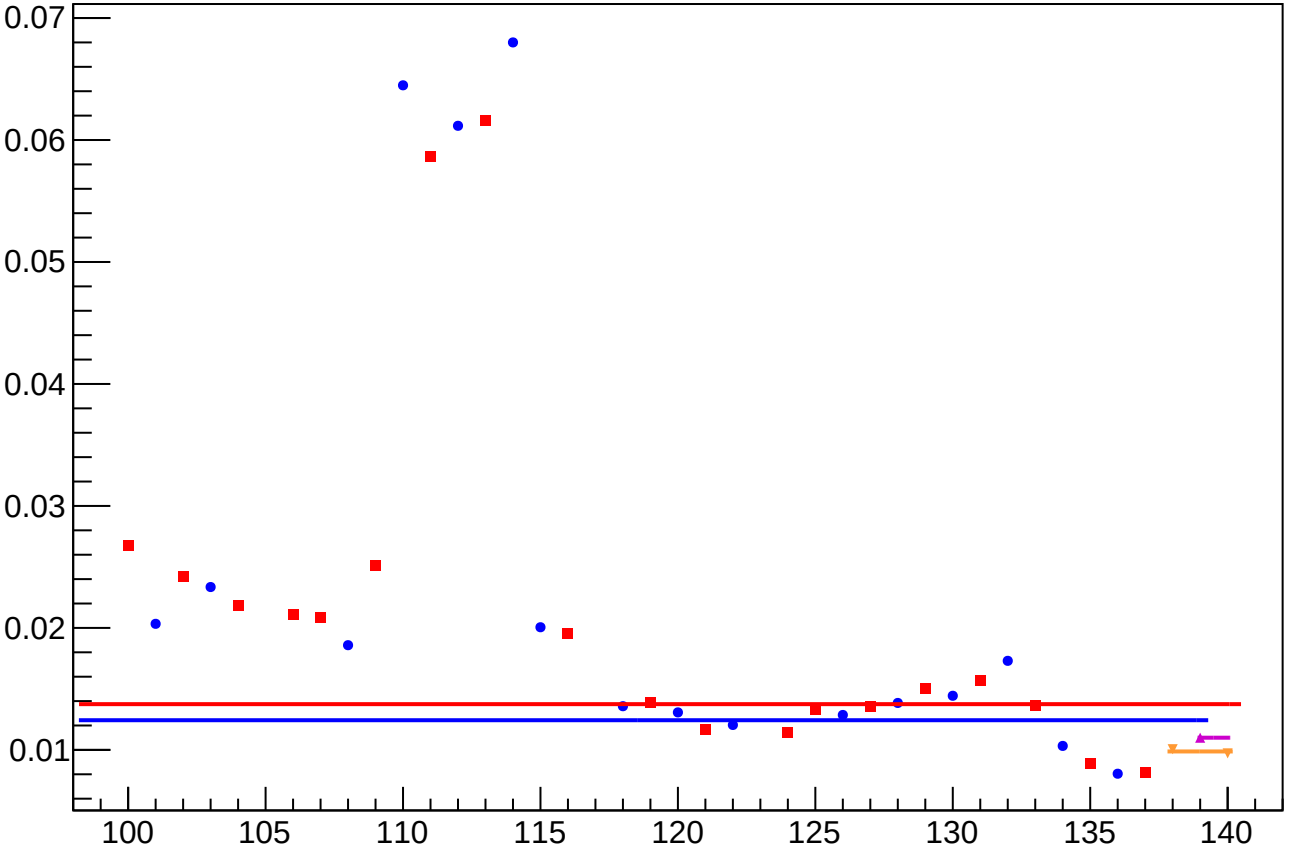
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 16.044+/-0.000 χ^2/NDF:2840740497.8/16

Out: 16.038+/-0.000 χ^2/NDF:3592460607.9/20

All: 16.040+/-0.000 χ^2/NDF: 6433956630.1/3

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:897.5/1

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.000 χ^2/NDF: 12746.5/2

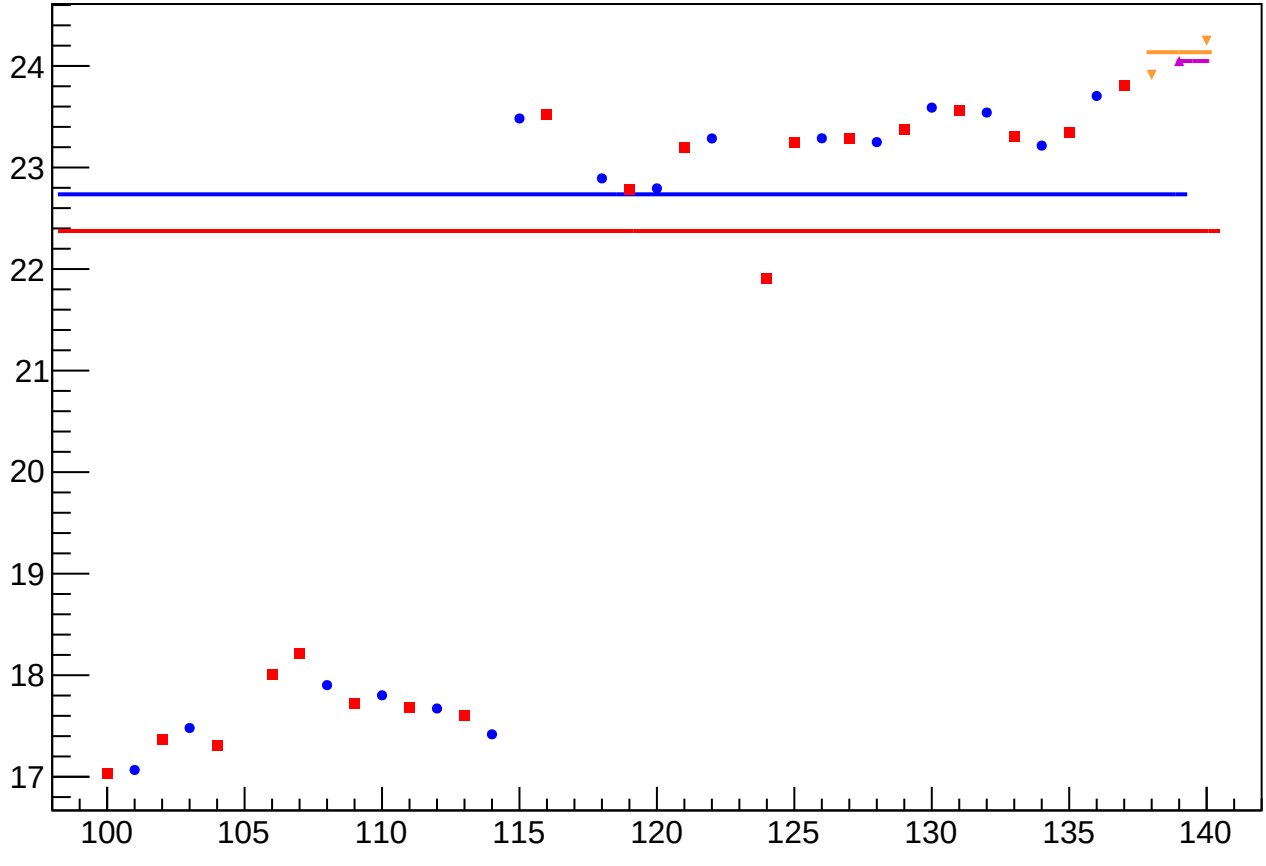
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2339888.6/16

Out: 0.012+/-0.000 χ^2/NDF:2539729.0/20

All: 0.012+/-0.000 χ^2/NDF: 4881798.5/37

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.136+/-0.000 χ^2/NDF:2359460.5/1

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 24.048+/-0.000 χ^2/NDF:0.0/0

Left: 24.118+/-0.000 χ^2/NDF: 2499595.8/2

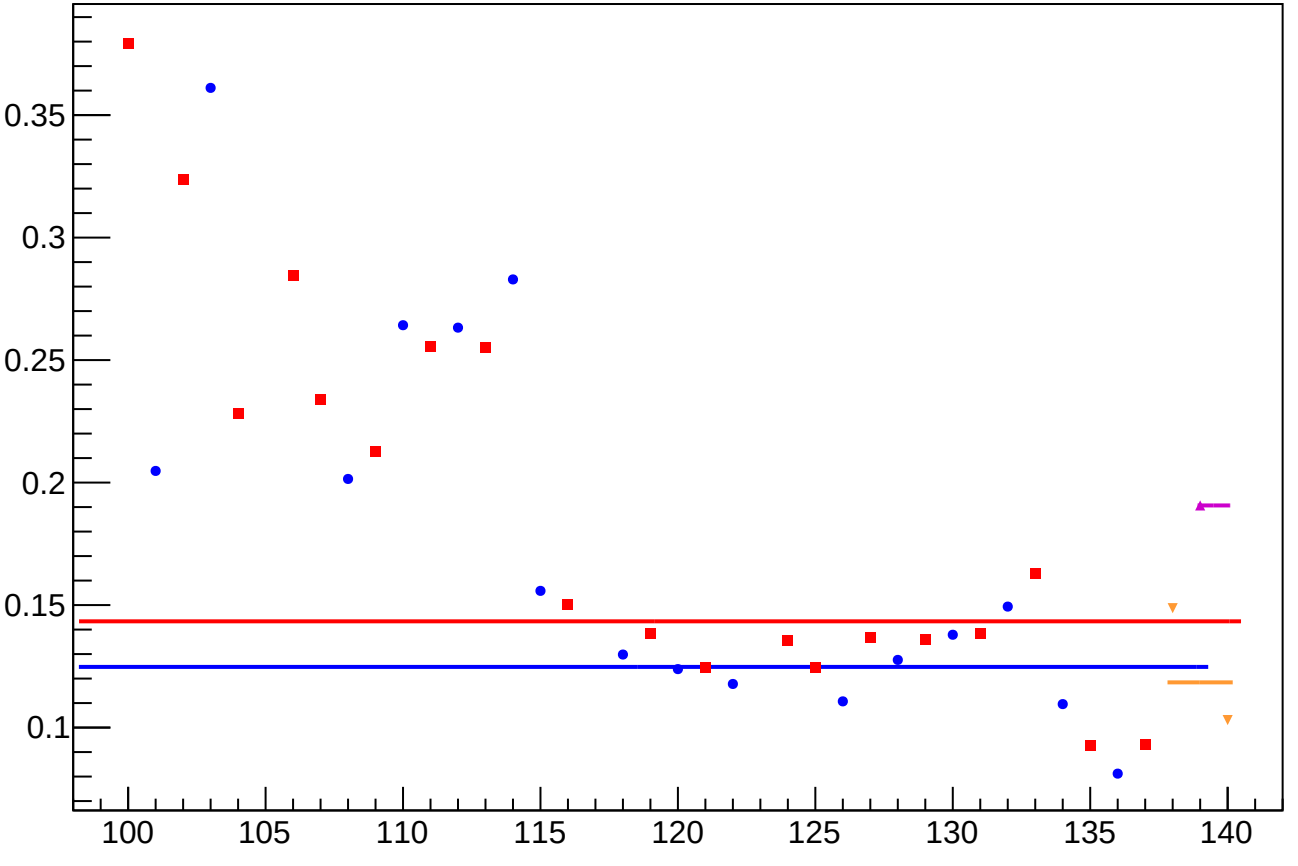
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 22.818+/-0.000 χ^2/NDF:1257905664.9/16

Out: 22.815+/-0.000 χ^2/NDF:1434716840.7/20

All: 22.817+/-0.000 χ^2/NDF: 2692624813.2/3

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.118+/-0.000 χ^2/NDF:86854.8/1

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.191+/-0.000 χ^2/NDF:0.0/0

Left: 0.133+/-0.000 χ^2/NDF: 279547.0/2

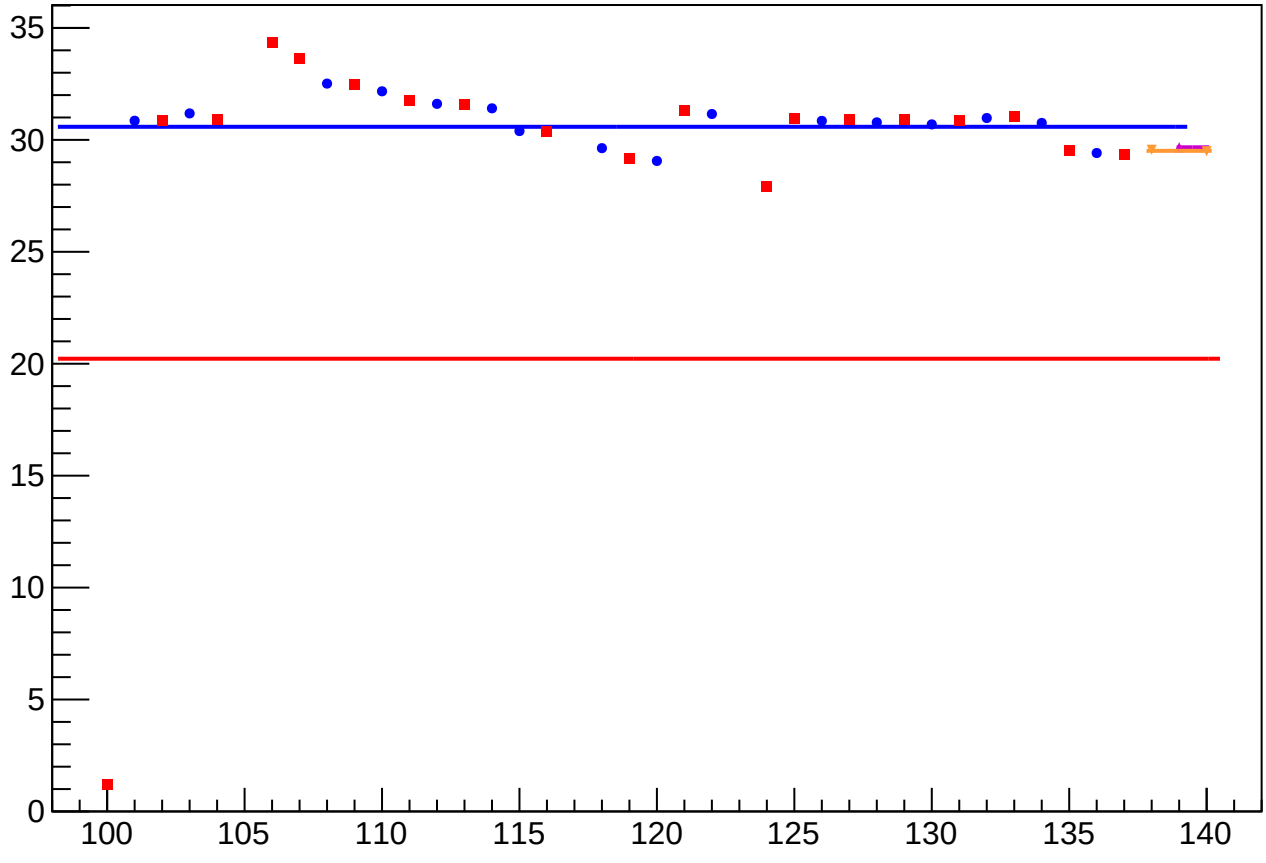
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.129+/-0.000 χ^2/NDF:1937391.9/16

Out: 0.137+/-0.000 χ^2/NDF:1743751.6/20

All: 0.133+/-0.000 χ^2/NDF: 3706197.9/37

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.511+/-0.000 χ^2/NDF:126898.8/1

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 29.668+/-0.000 χ^2/NDF:0.0/0

Left: 29.538+/-0.000 χ^2/NDF: 775174.1/2

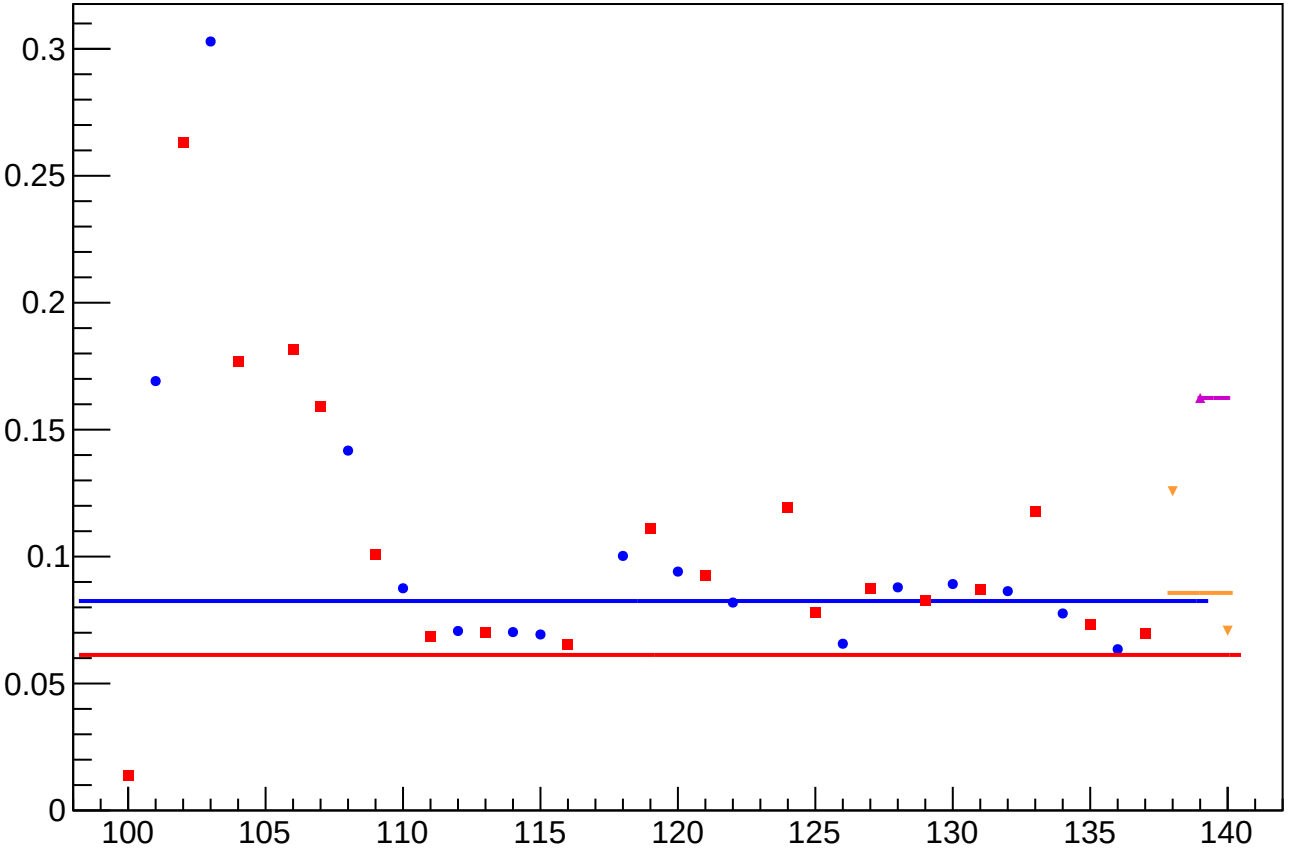
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.549+/-0.000 χ^2/NDF:677610408.5/16

Out: 21.361+/-0.000 χ^2/NDF:232750267311.5/20

All: 24.979+/-0.000 χ^2/NDF: 274643705229.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.086+/-0.000 χ^2/NDF:181015.6/1

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.162+/-0.000 χ^2/NDF:0.0/0

Left: 0.099+/-0.000 χ^2/NDF: 488124.3/2

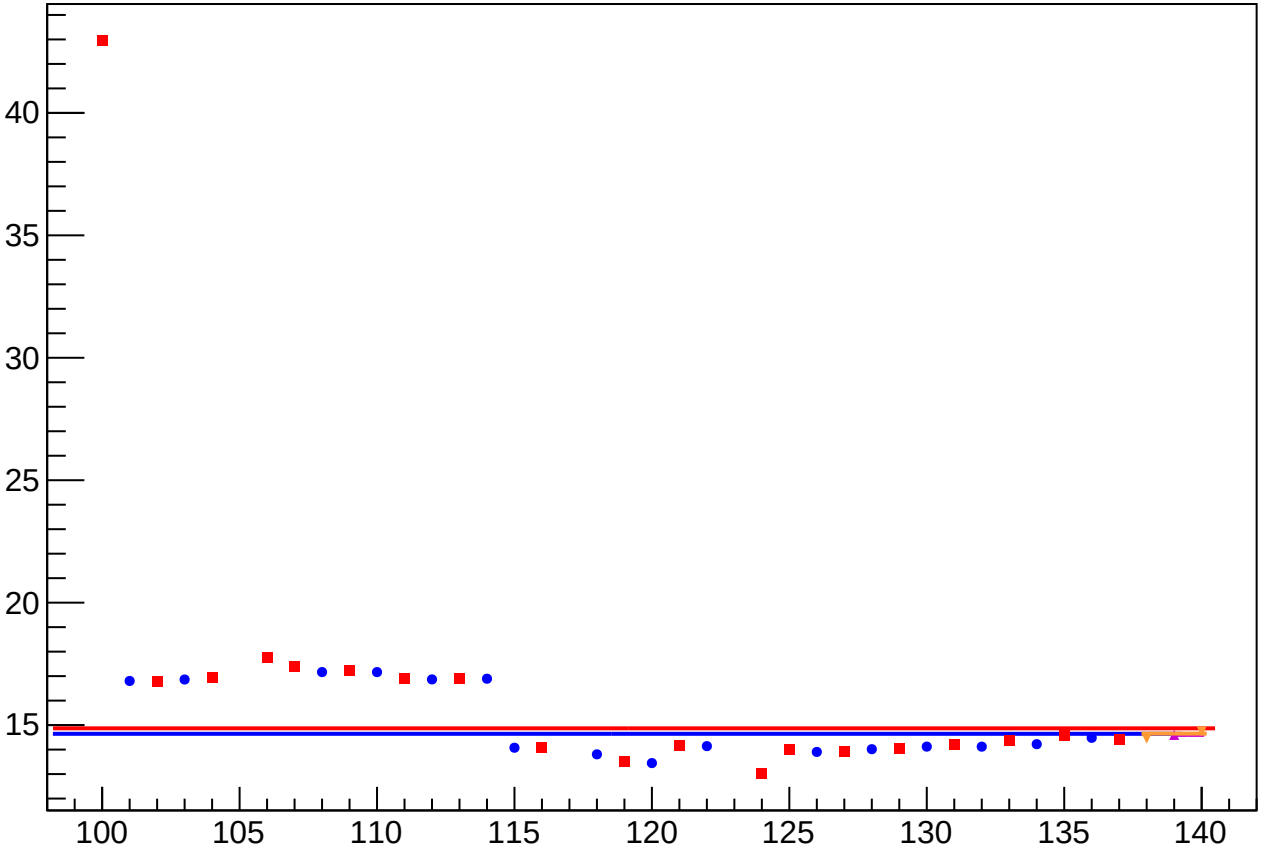
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.086+/-0.000 χ^2/NDF:1647930.6/16

Out: 0.064+/-0.000 χ^2/NDF:4354229.0/20

All: 0.073+/-0.000 χ^2/NDF: 6447899.9/37

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 14.654+/-0.000 χ^2/NDF:3075729.7/1

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 14.600+/-0.000 χ^2/NDF:0.0/0

Left: 14.641+/-0.000 χ^2/NDF: 3194488.2/2

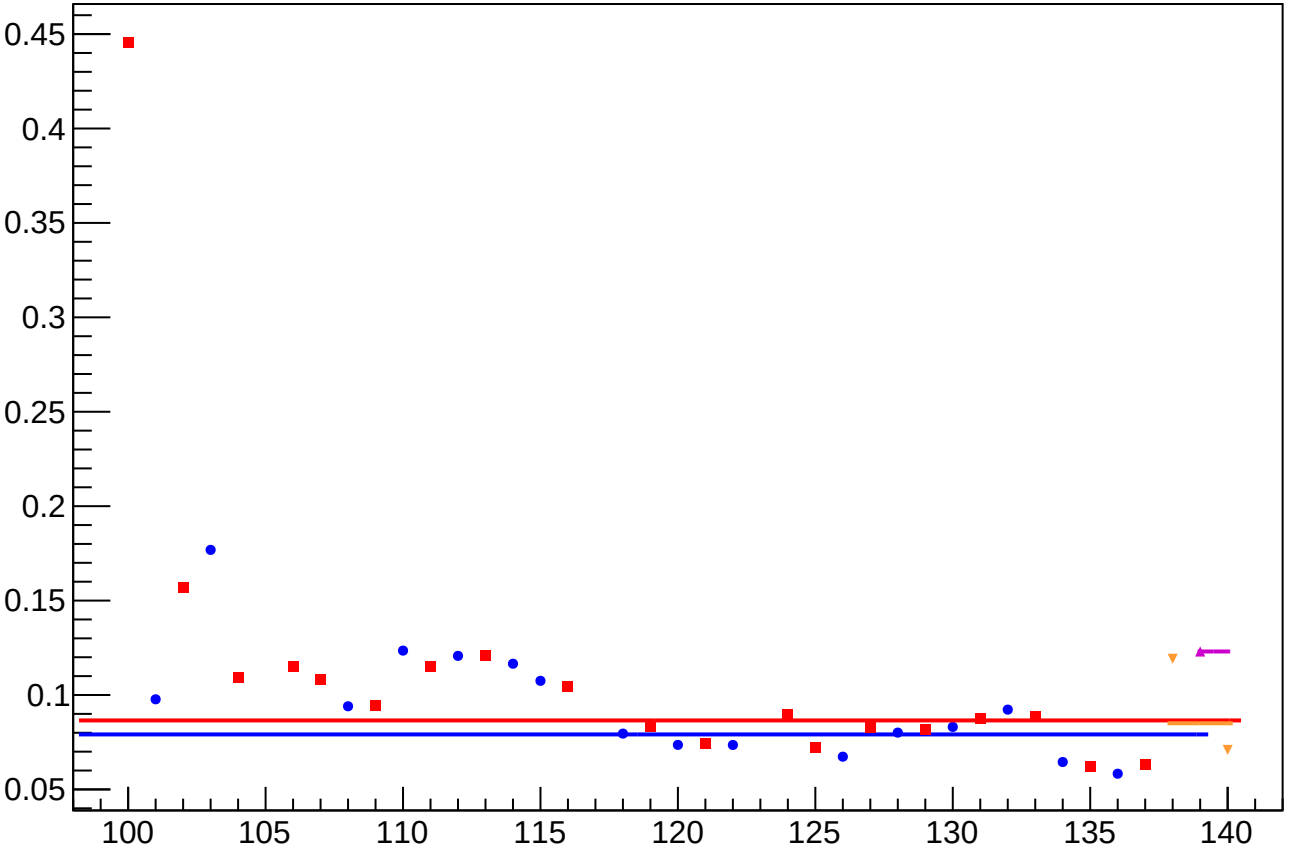
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 14.642+/-0.000 χ^2/NDF:1194014742.1/16

Out: 14.831+/-0.000 χ^2/NDF:1739673209.7/20

All: 14.736+/-0.000 χ^2/NDF: 2951415753.5/3

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.085+/-0.000 χ^2/NDF:165821.6/1

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.123+/-0.000 χ^2/NDF:0.0/0

Left: 0.094+/-0.000 χ^2/NDF: 284835.1/2

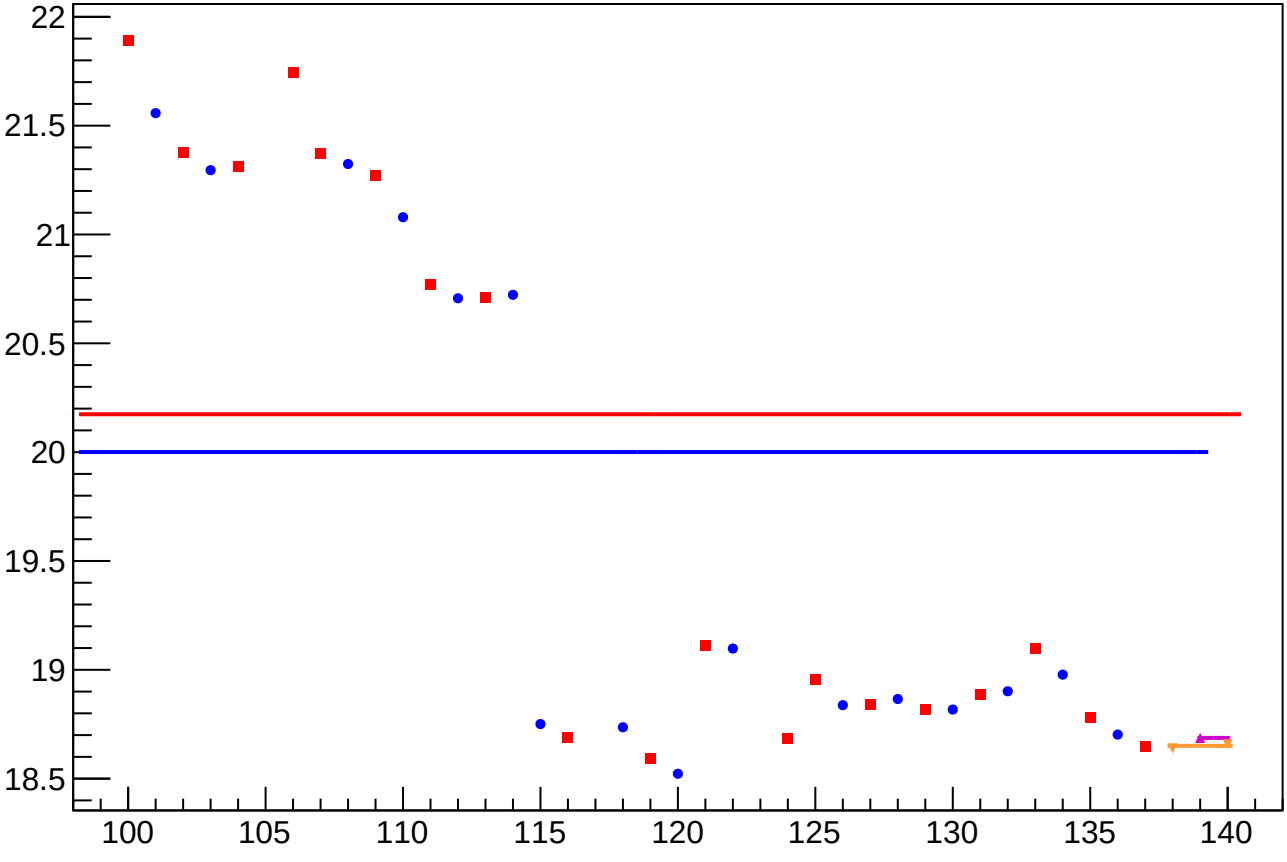
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.082+/-0.000 χ^2/NDF:1115510.1/16

Out: 0.086+/-0.000 χ^2/NDF:959826.7/20

All: 0.084+/-0.000 χ^2/NDF: 2097853.1/37

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.651+/-0.000 χ^2/NDF:102838.7/1

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.687+/-0.000 χ^2/NDF:0.0/0

Left: 18.662+/-0.000 χ^2/NDF: 627421.4/2

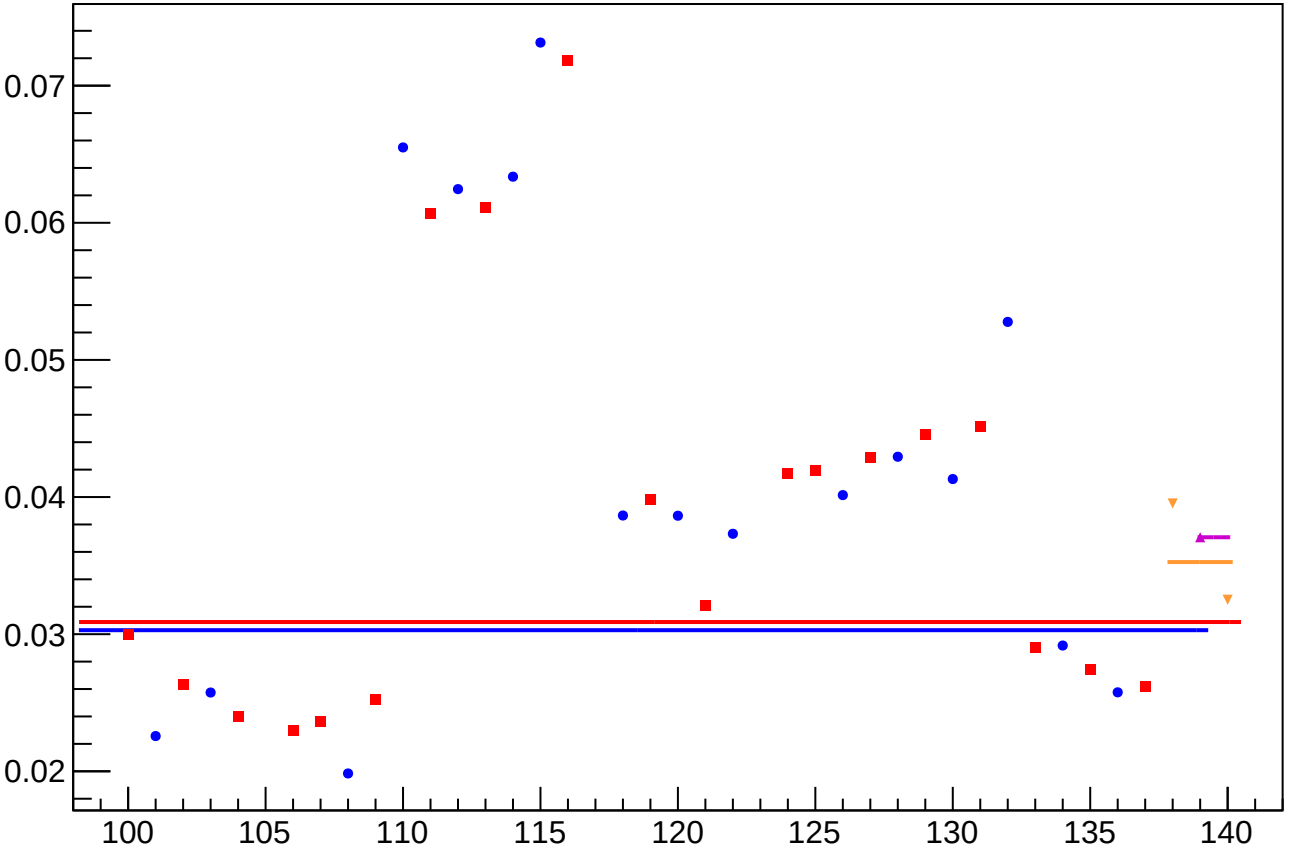
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.893+/-0.000 χ^2/NDF:11800416739.9/16

Out: 19.936+/-0.000 χ^2/NDF:12790847300.0/20

All: 19.915+/-0.000 χ^2/NDF: 24598276090.2

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.035+/-0.000 χ^2/NDF:28349.2/1

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.037+/-0.000 χ^2/NDF:0.0/0

Left: 0.036+/-0.000 χ^2/NDF: 30919.8/2

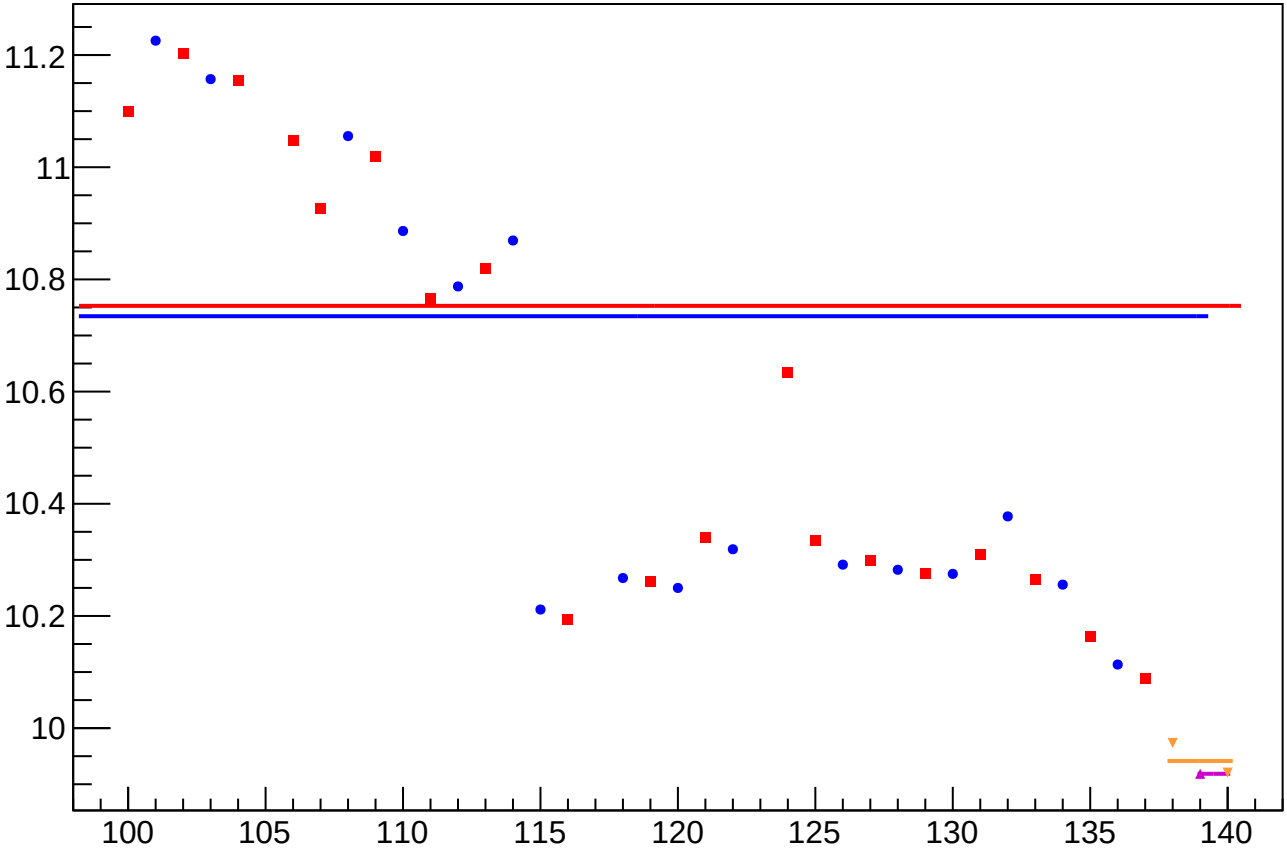
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1496463.3/16

Out: 0.032+/-0.000 χ^2/NDF:1272027.6/20

All: 0.031+/-0.000 χ^2/NDF: 2772347.2/37

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.942+/-0.000 χ^2/NDF:2478306.9/1

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.919+/-0.000 χ^2/NDF:0.0/0

Left: 9.936+/-0.000 χ^2/NDF: 2932165.8/2

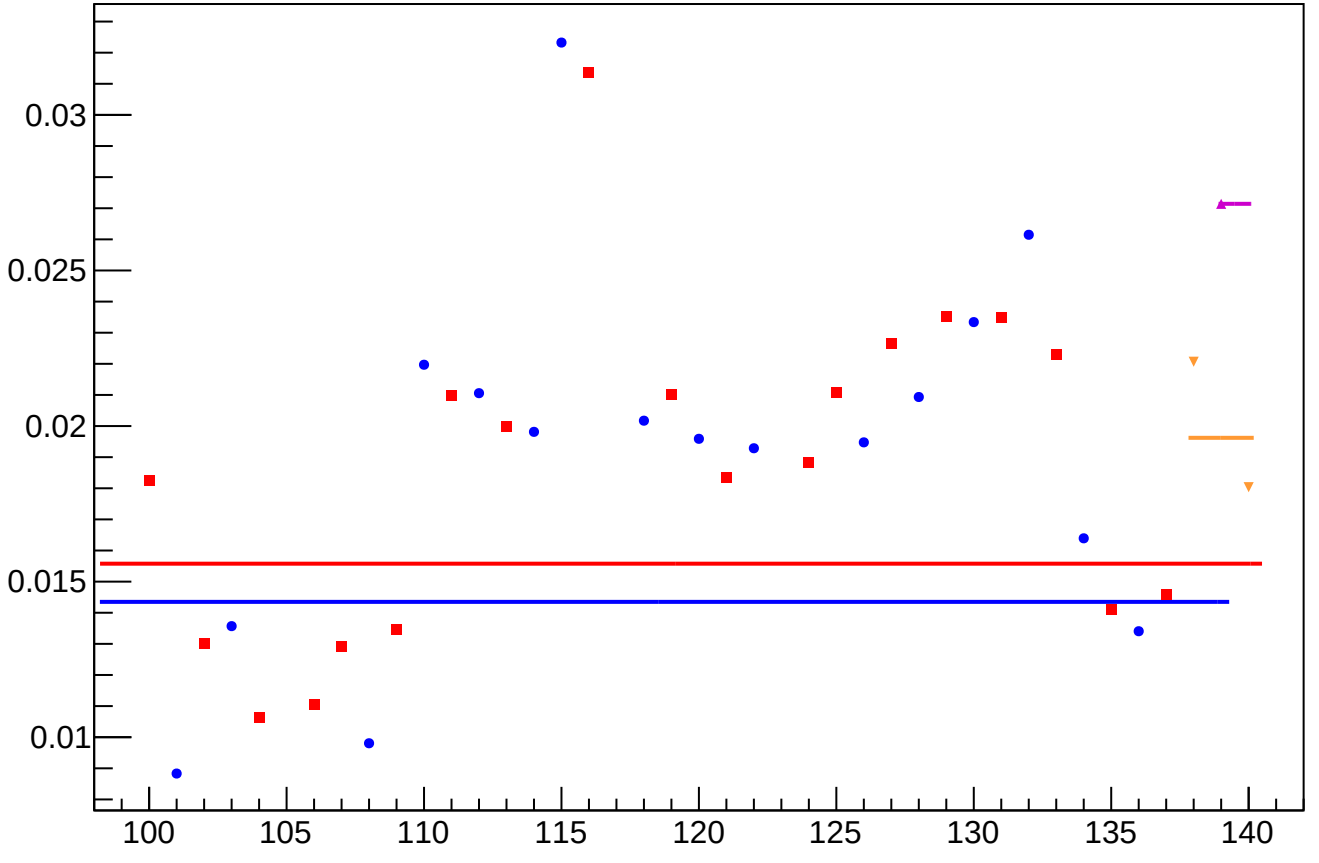
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.702+/-0.000 χ^2/NDF:6602560447.6/16

Out: 10.650+/-0.000 χ^2/NDF:6482794958.0/20

All: 10.676+/-0.000 χ^2/NDF: 13125563297.0

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:28851.9/1

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.027+/-0.000 χ^2/NDF:0.0/0

Left: 0.021+/-0.000 χ^2/NDF: 126952.7/2

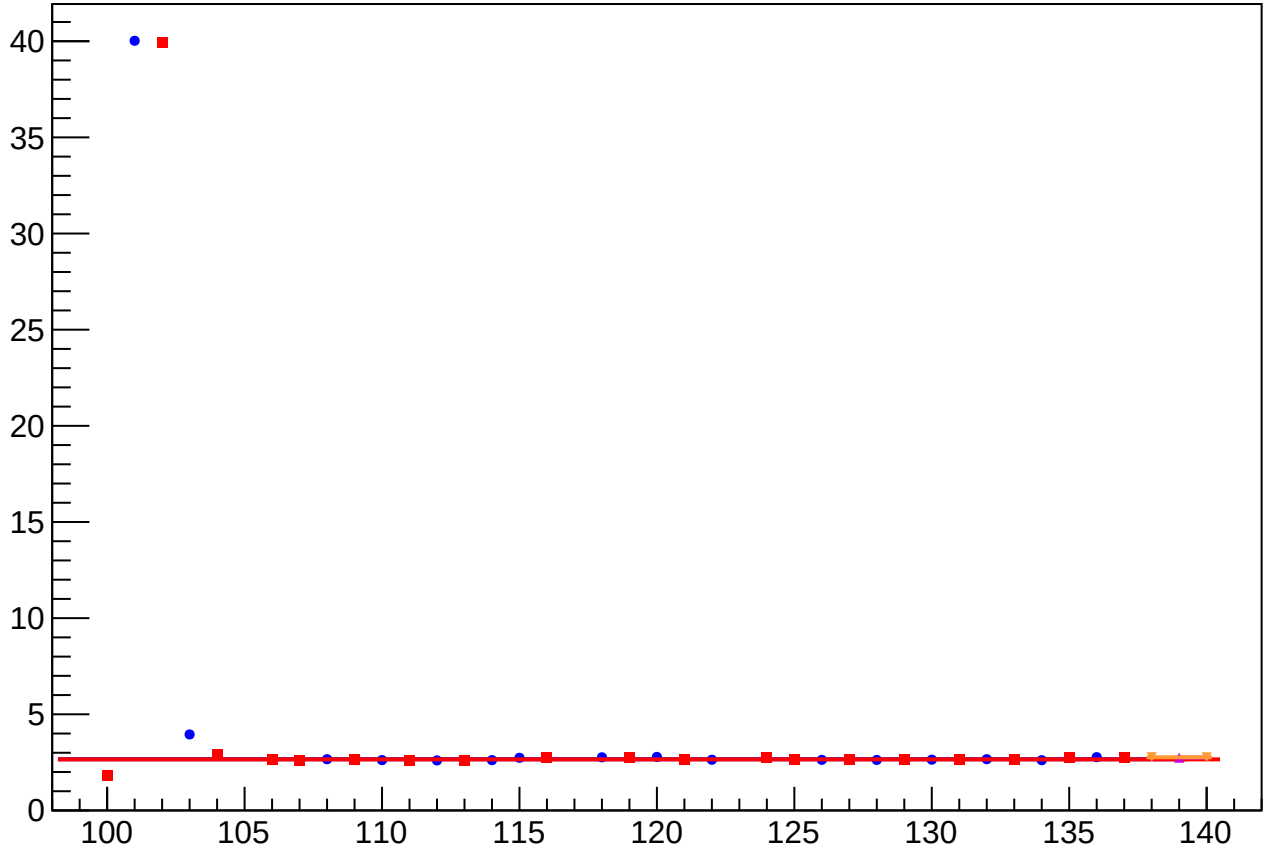
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.015+/-0.000 χ^2/NDF:1837452.7/16

Out: 0.016+/-0.000 χ^2/NDF:1207027.3/20

All: 0.015+/-0.000 χ^2/NDF: 3088933.3/37

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.763+/-0.000 χ^2/NDF:326152.4/1

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.746+/-0.000 χ^2/NDF:0.0/0

Left: 2.758+/-0.000 χ^2/NDF: 10974962.0/2

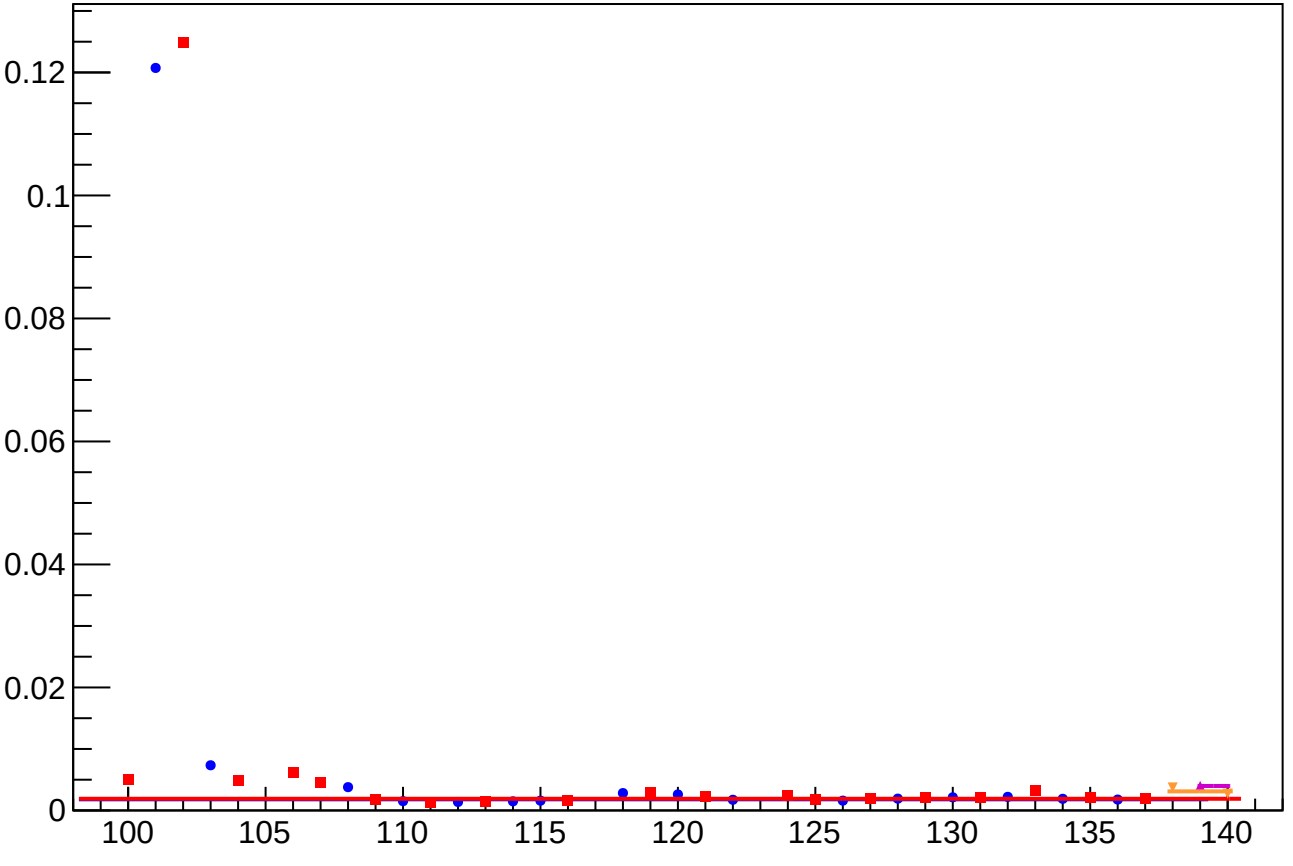
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.667+/-0.000 χ^2/NDF:68170554846.6/16

Out: 2.666+/-0.000 χ^2/NDF:66482660193.3/20

All: 2.666+/-0.000 χ^2/NDF: 134653436270.5

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:64248.7/1

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.004+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 121041.6/2

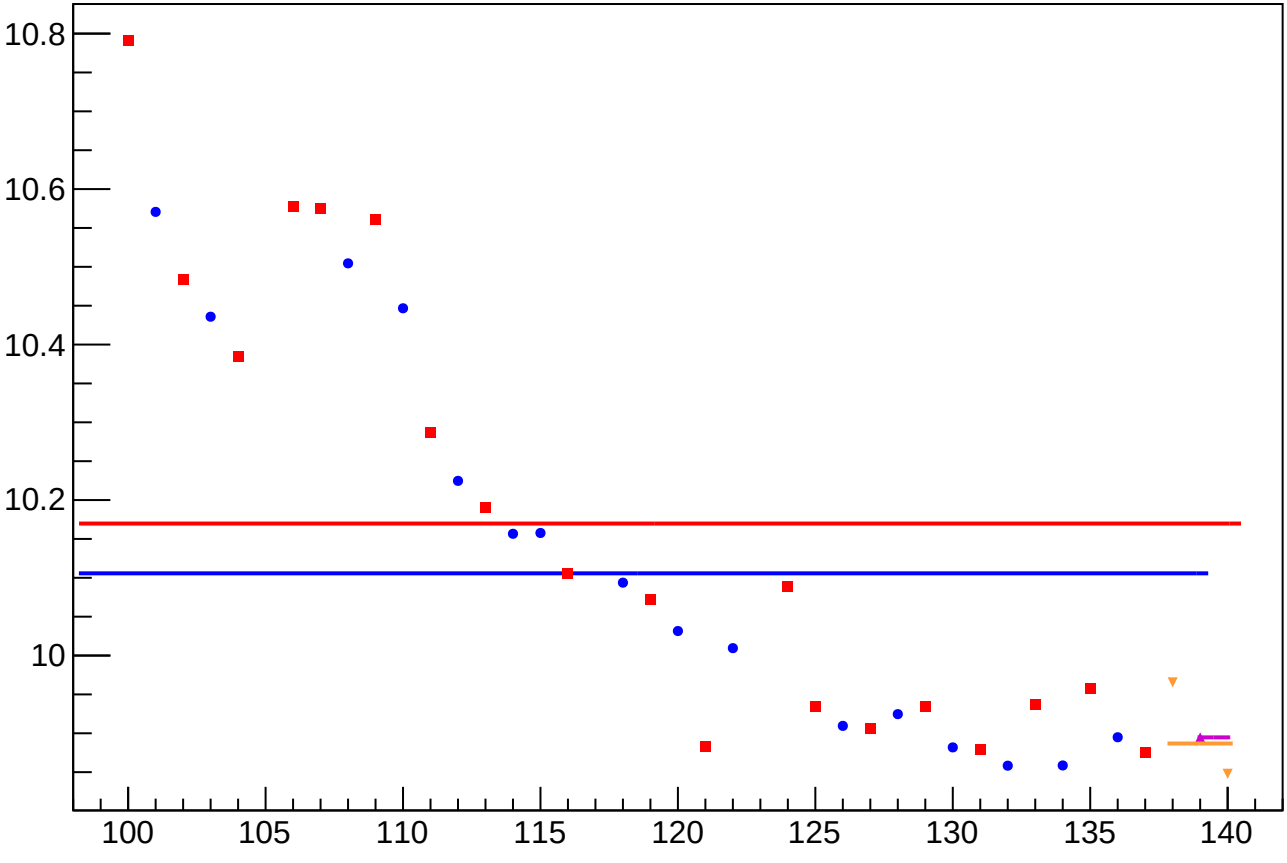
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2280466.0/16

Out: 0.002+/-0.000 χ^2/NDF:2953838.6/20

All: 0.002+/-0.000 χ^2/NDF: 5255902.9/37

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.887+/-0.000 χ^2/NDF:41232702.2/1

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.895+/-0.000 χ^2/NDF:0.0/0

Left: 9.889+/-0.000 χ^2/NDF: 41479012.7/2

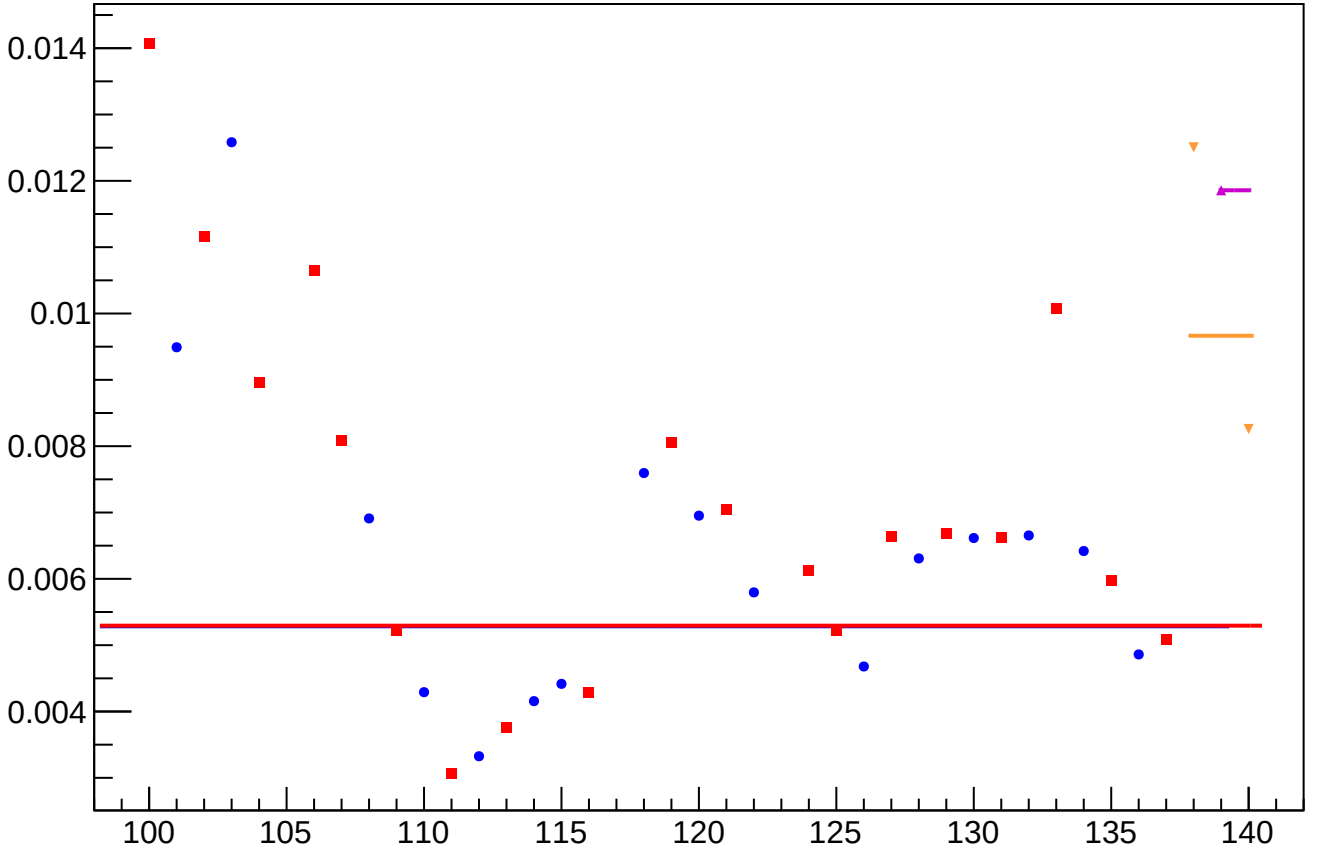
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 10.100+/-0.000 χ^2/NDF:9368188474.7/16

Out: 10.152+/-0.000 χ^2/NDF:10185972202.1/20

All: 10.126+/-0.000 χ^2/NDF: 19829139043.1

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.010+/-0.000 χ^2/NDF:107497.2/1

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.012+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.000 χ^2/NDF: 145457.2/2

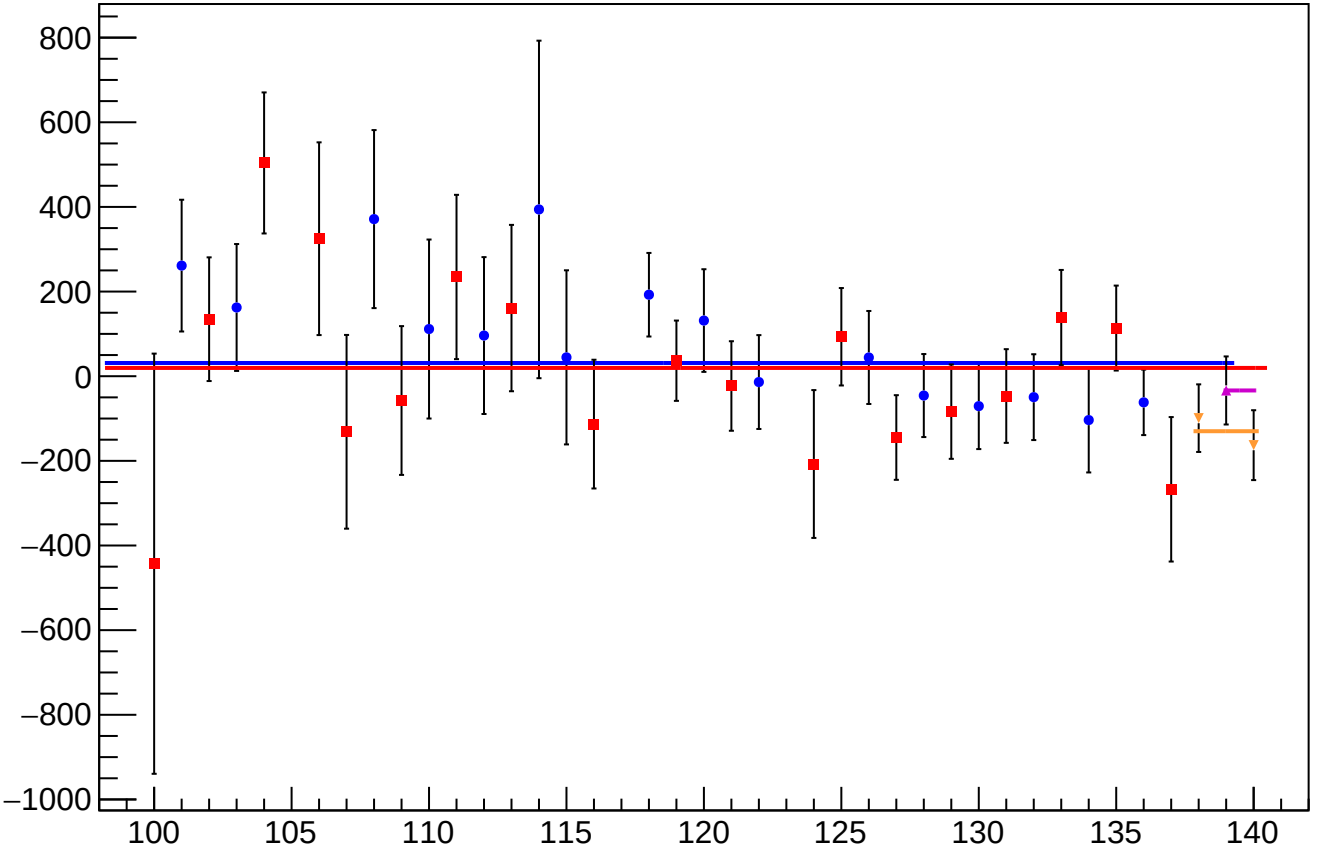
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.005+/-0.000 χ^2/NDF:1743118.1/16

Out: 0.006+/-0.000 χ^2/NDF:2381336.3/20

All: 0.006+/-0.000 χ^2/NDF: 4126705.5/37

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -129.955+/-57.402 χ^2/NDF:0.3/1

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -33.668+/-80.412 χ^2/NDF:0.0/0

Left: -97.452+/-46.719 χ^2/NDF: 1.3/2

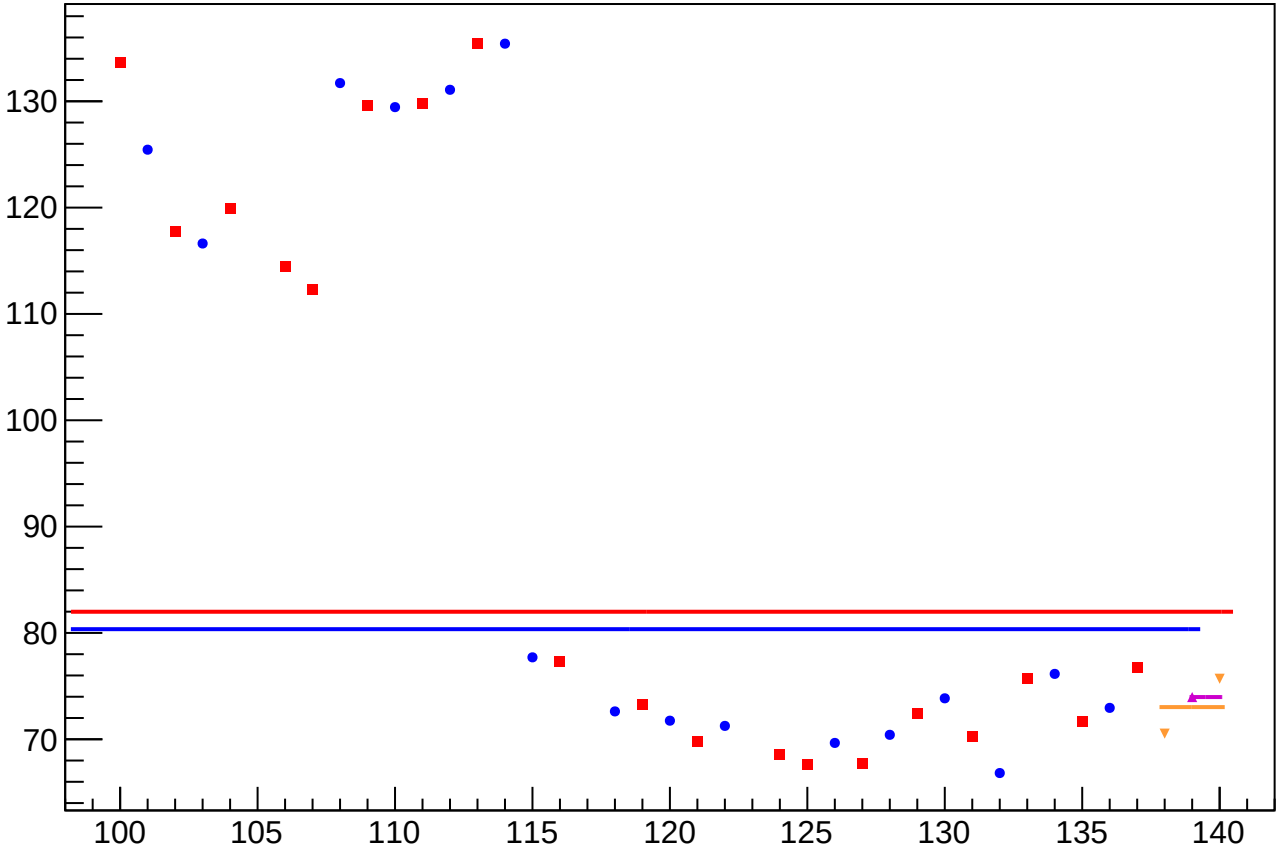
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: 22.950+/-28.751 χ^2/NDF:15.6/16

Out: -14.289+/-27.316 χ^2/NDF:31.5/20

All: 3.378+/-19.803 χ^2/NDF: 48.0/37

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 73.025+/-0.041 χ^2/NDF:4039.9/1

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 73.970+/-0.057 χ^2/NDF:0.0/0

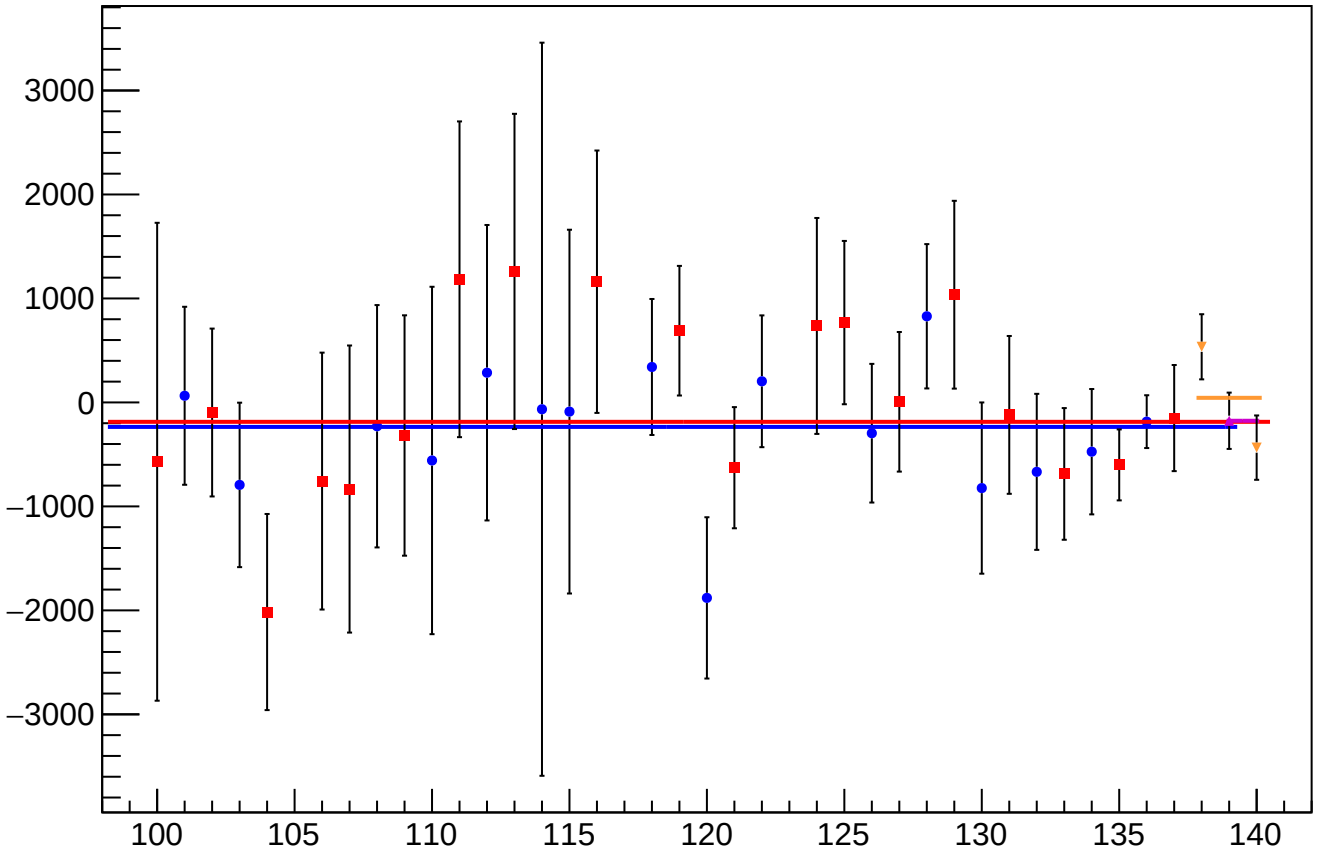
Left: 73.344+/-0.033 χ^2/NDF: 4222.9/2

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.538+/-0.020 χ^2/NDF:851032.5/16

Out: 79.962+/-0.019 χ^2/NDF:974136.1/20

All: 79.761+/-0.014 χ^2/NDF: 1825397.4/37



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 44.214+/-220.132 χ^2/NDF:4.9/1

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -176.429+/-270.772 χ^2/NDF:0.0/0

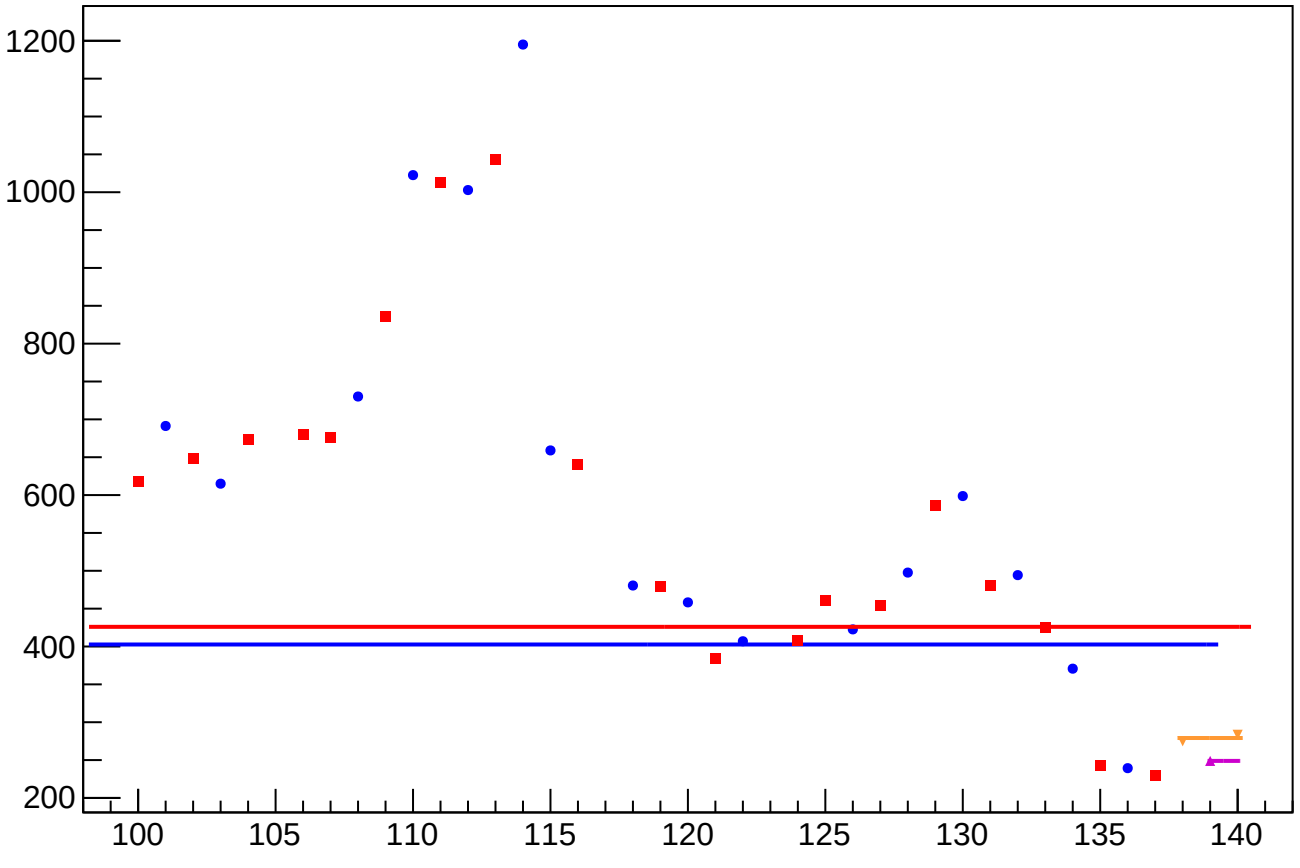
Left: -43.587+/-170.807 χ^2/NDF: 5.3/2

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -219.695+/-140.129 χ^2/NDF:10.0/16

Out: -100.132+/-134.744 χ^2/NDF:21.5/20

All: -157.572+/-97.126 χ^2/NDF: 31.9/37



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 279.154+/-0.156 χ^2/NDF:771.1/1

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 248.910+/-0.191 χ^2/NDF:0.0/0

Left: 267.119+/-0.121 χ^2/NDF: 15794.0/2

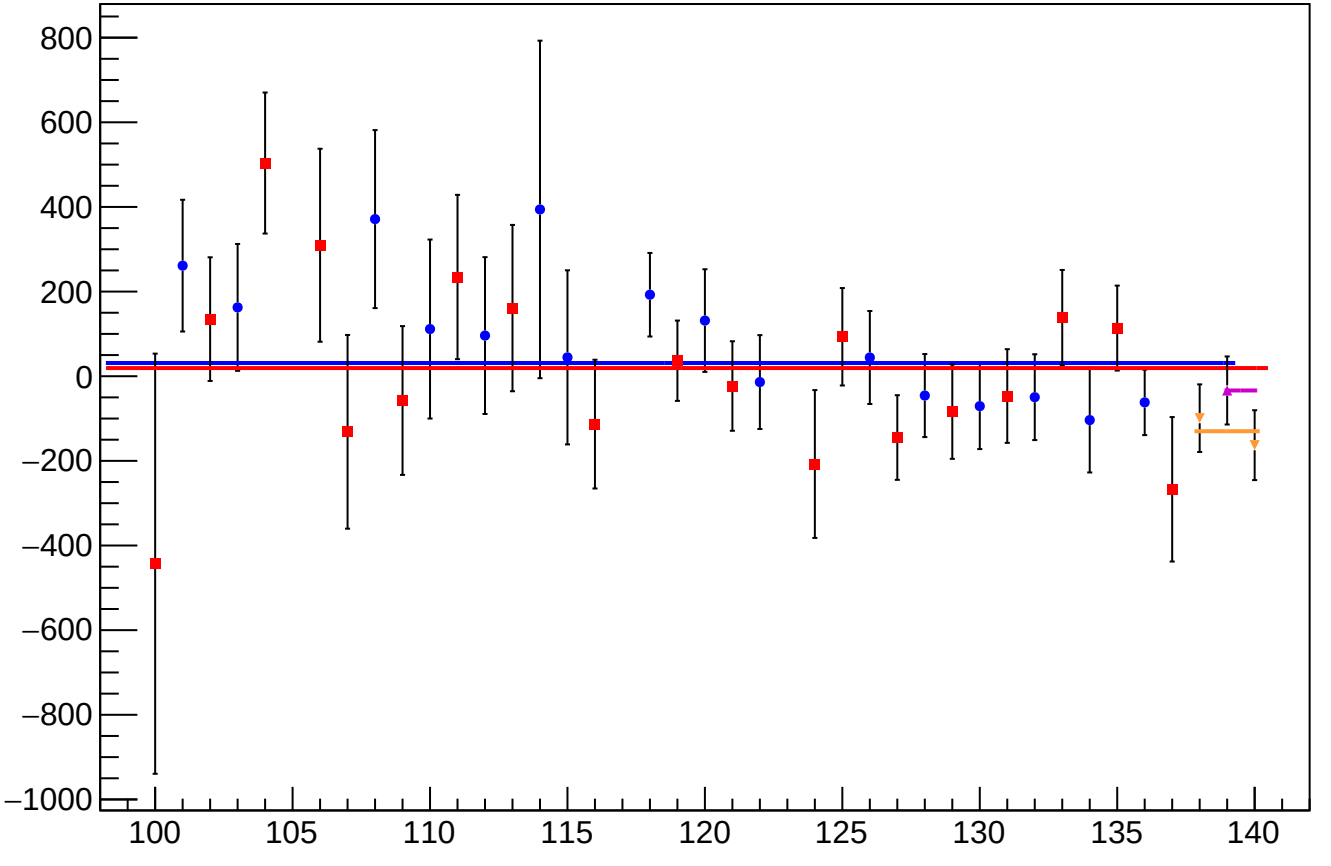
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 361.480+/-0.099 χ^2/NDF:2832214.0/16

Out: 370.968+/-0.095 χ^2/NDF:2925945.6/20

All: 366.410+/-0.069 χ^2/NDF: 5762923.7/37

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -129.946+/-57.402 χ^2/NDF:0.3/1

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -33.659+/-80.412 χ^2/NDF:0.0/0

Left: -97.443+/-46.719 χ^2/NDF: 1.3/2

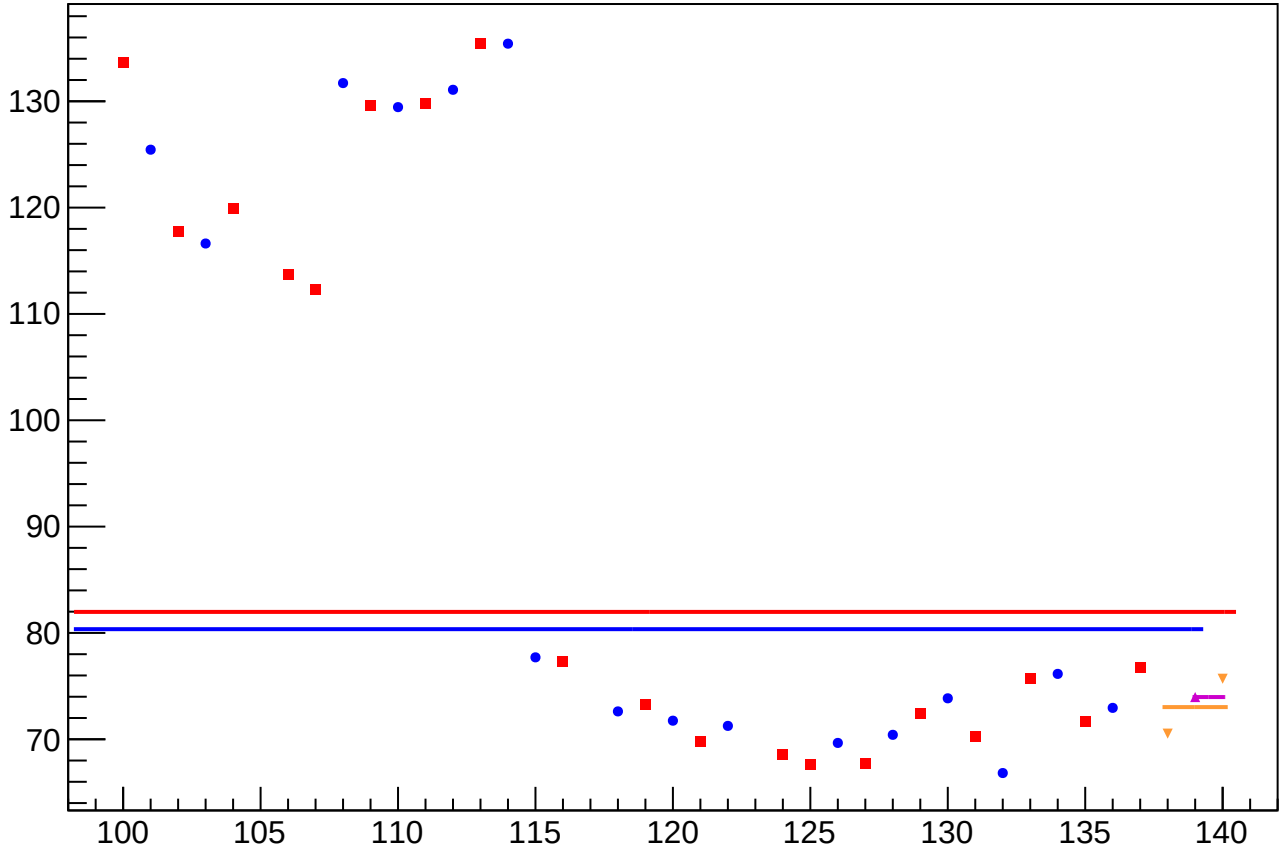
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: 22.960+/-28.751 χ^2/NDF:15.7/16

Out: -14.514+/-27.317 χ^2/NDF:31.3/20

All: 3.265+/-19.804 χ^2/NDF: 47.8/37

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 73.025+/-0.041 χ^2/NDF:4039.9/1

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 73.970+/-0.057 χ^2/NDF:0.0/0

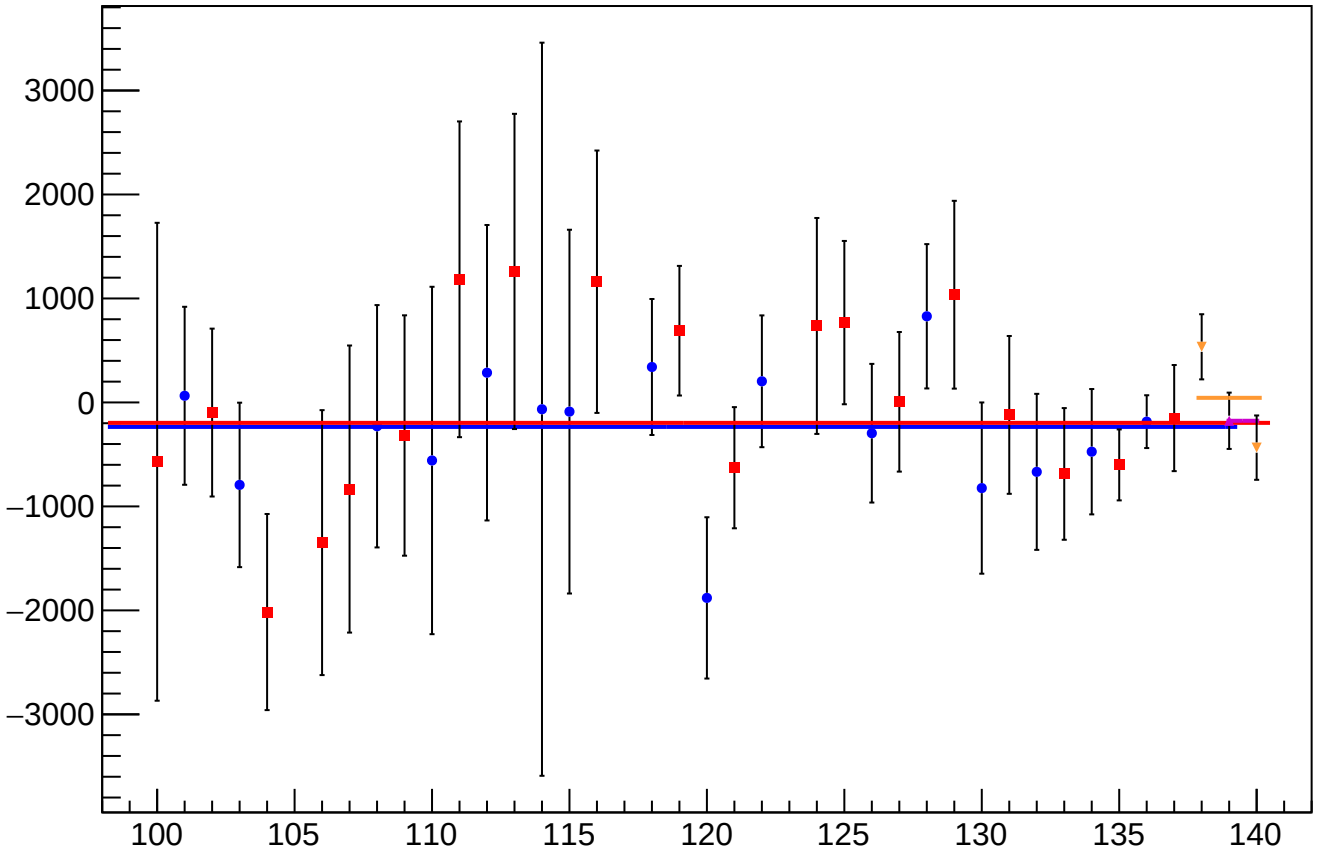
Left: 73.344+/-0.033 χ^2/NDF: 4222.9/2

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.538+/-0.020 χ^2/NDF:851032.7/16

Out: 79.950+/-0.019 χ^2/NDF:972137.8/20

All: 79.755+/-0.014 χ^2/NDF: 1823386.8/37



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 44.217+/-220.132 χ^2/NDF:4.9/1

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -176.424+/-270.772 χ^2/NDF:0.0/0

Left: -43.582+/-170.807 χ^2/NDF: 5.3/2

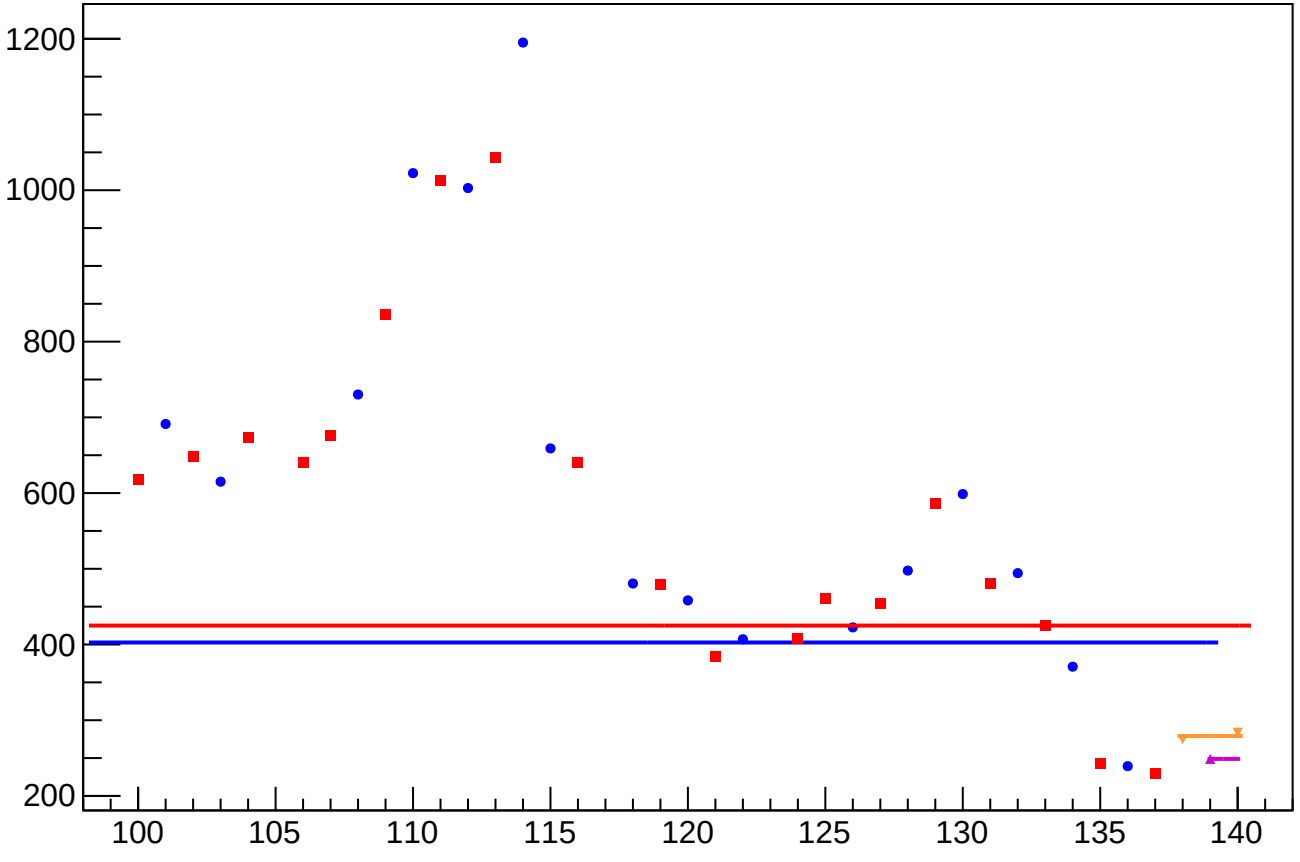
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -219.692+/-140.129 χ^2/NDF:10.0/16

Out: -106.294+/-134.792 χ^2/NDF:22.2/20

All: -160.793+/-97.144 χ^2/NDF: 32.5/37

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 279.154+/-0.156 χ^2/NDF:771.0/1

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 248.910+/-0.191 χ^2/NDF:0.0/0

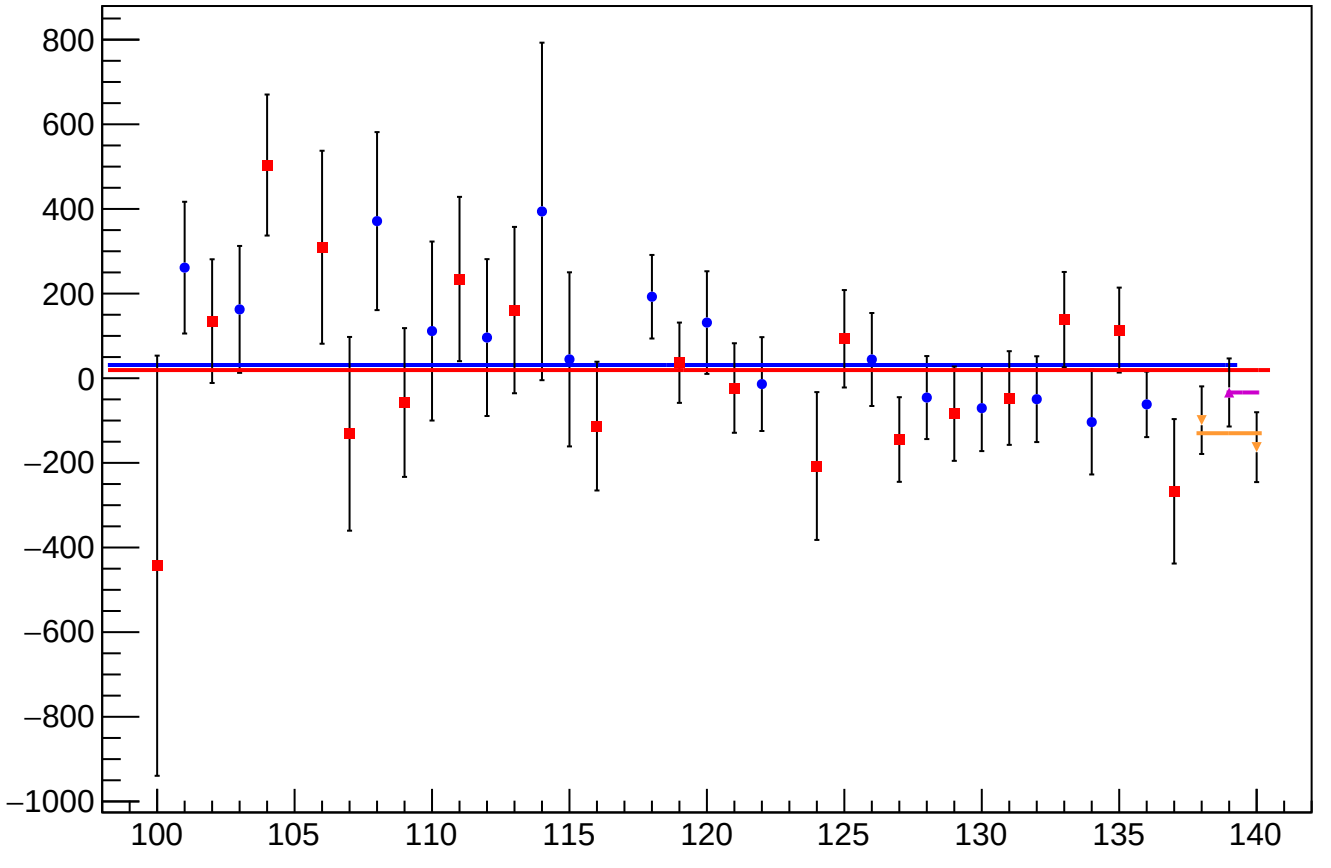
Left: 267.119+/-0.121 χ^2/NDF: 15793.5/2

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 361.481+/-0.099 χ^2/NDF:2832211.3/16

Out: 370.309+/-0.095 χ^2/NDF:2890457.1/20

All: 366.066+/-0.069 χ^2/NDF: 5726791.4/37



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -129.946+/-57.402 χ^2/NDF:0.3/1

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -33.659+/-80.412 χ^2/NDF:0.0/0

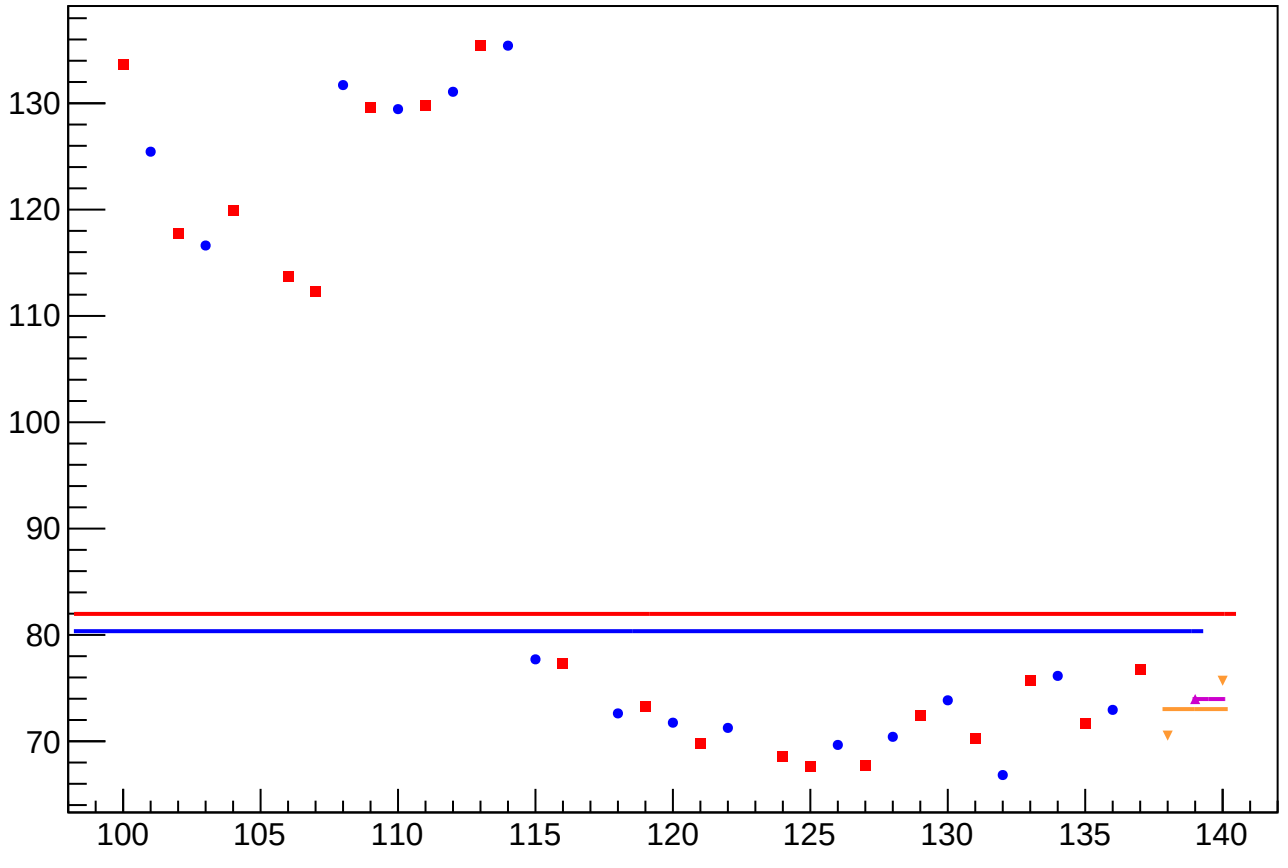
Left: -97.443+/-46.719 χ^2/NDF: 1.3/2

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: 22.960+/-28.751 χ^2/NDF:15.7/16

Out: -14.514+/-27.317 χ^2/NDF:31.3/20

All: 3.265+/-19.804 χ^2/NDF: 47.8/37



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 73.025+/-0.041 χ^2/NDF:4039.9/1

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 73.970+/-0.057 χ^2/NDF:0.0/0

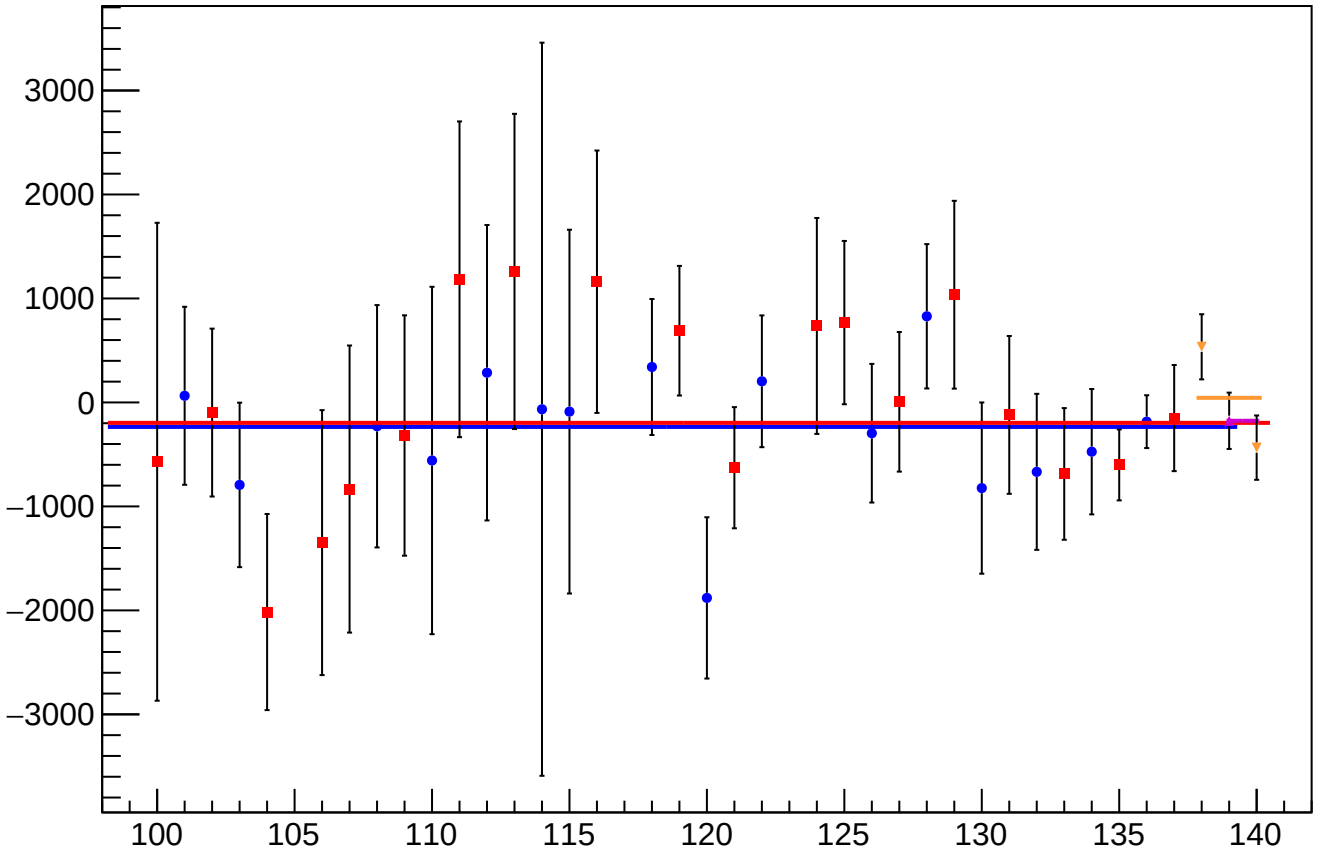
Left: 73.344+/-0.033 χ^2/NDF: 4222.9/2

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.538+/-0.020 χ^2/NDF:851032.7/16

Out: 79.950+/-0.019 χ^2/NDF:972137.8/20

All: 79.755+/-0.014 χ^2/NDF: 1823386.8/37



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 44.217+/-220.132 χ^2/NDF:4.9/1

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -176.424+/-270.772 χ^2/NDF:0.0/0

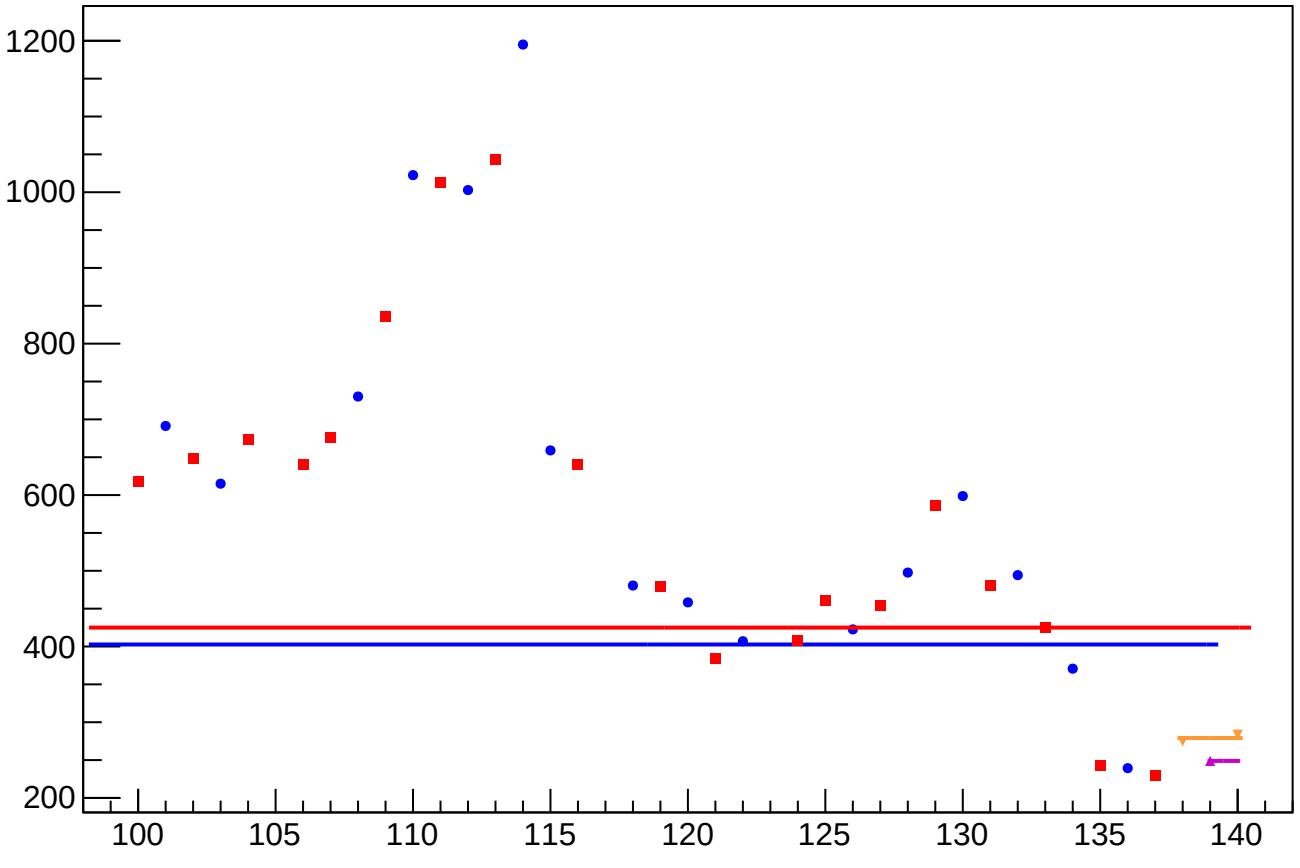
Left: -43.582+/-170.807 χ^2/NDF: 5.3/2

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -219.692+/-140.129 χ^2/NDF:10.0/16

Out: -106.294+/-134.792 χ^2/NDF:22.2/20

All: -160.793+/-97.144 χ^2/NDF: 32.5/37



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 279.154+/-0.156 χ^2/NDF:771.0/1

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 248.910+/-0.191 χ^2/NDF:0.0/0

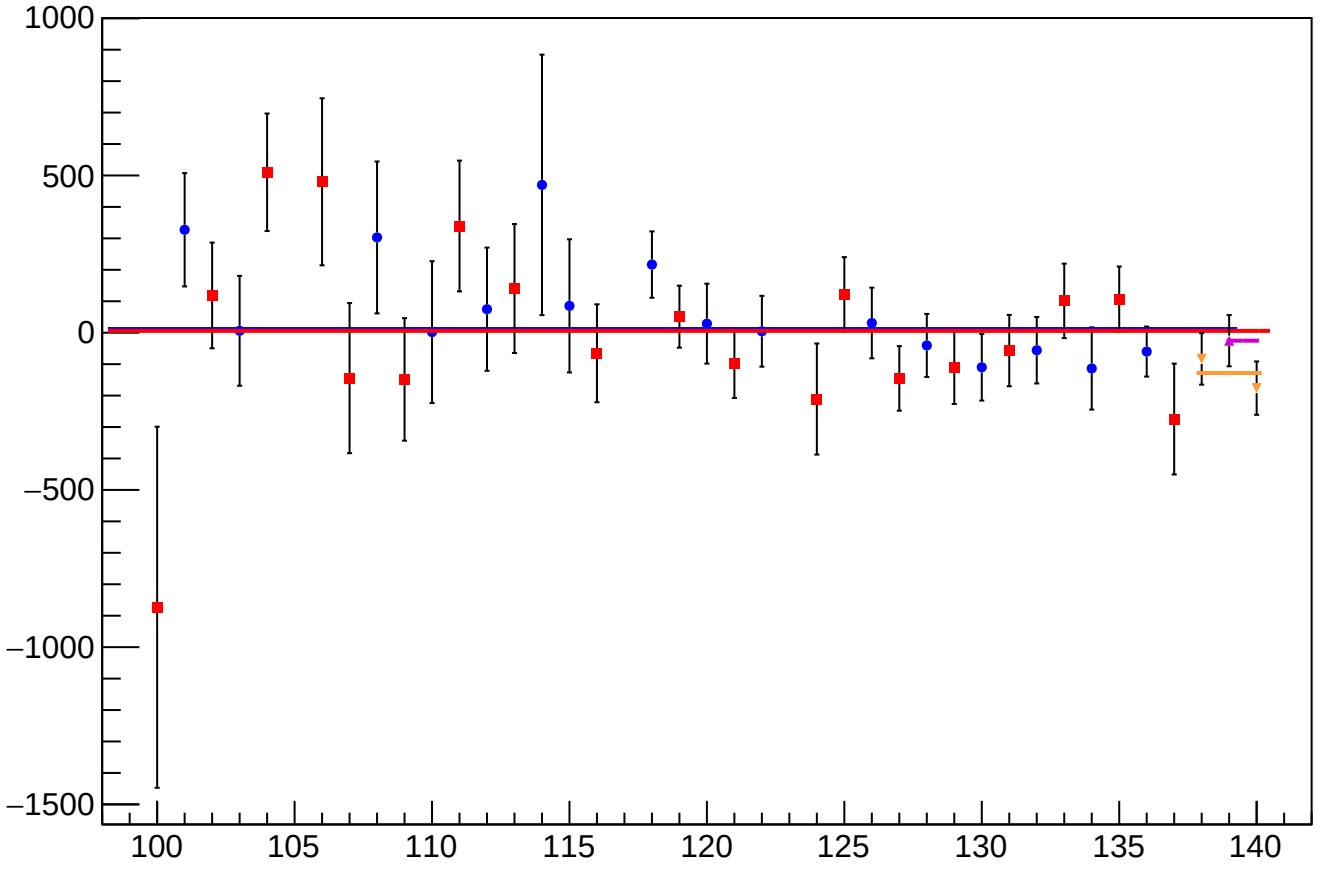
Left: 267.119+/-0.121 χ^2/NDF: 15793.5/2

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 361.481+/-0.099 χ^2/NDF:2832211.3/16

Out: 370.309+/-0.095 χ^2/NDF:2890457.1/20

All: 366.066+/-0.069 χ^2/NDF: 5726791.4/37



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -128.099+/-58.927 χ^2/NDF:0.6/1

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -25.398+/-81.440 χ^2/NDF:0.0/0

Left: -92.807+/-47.740 χ^2/NDF: 1.7/2

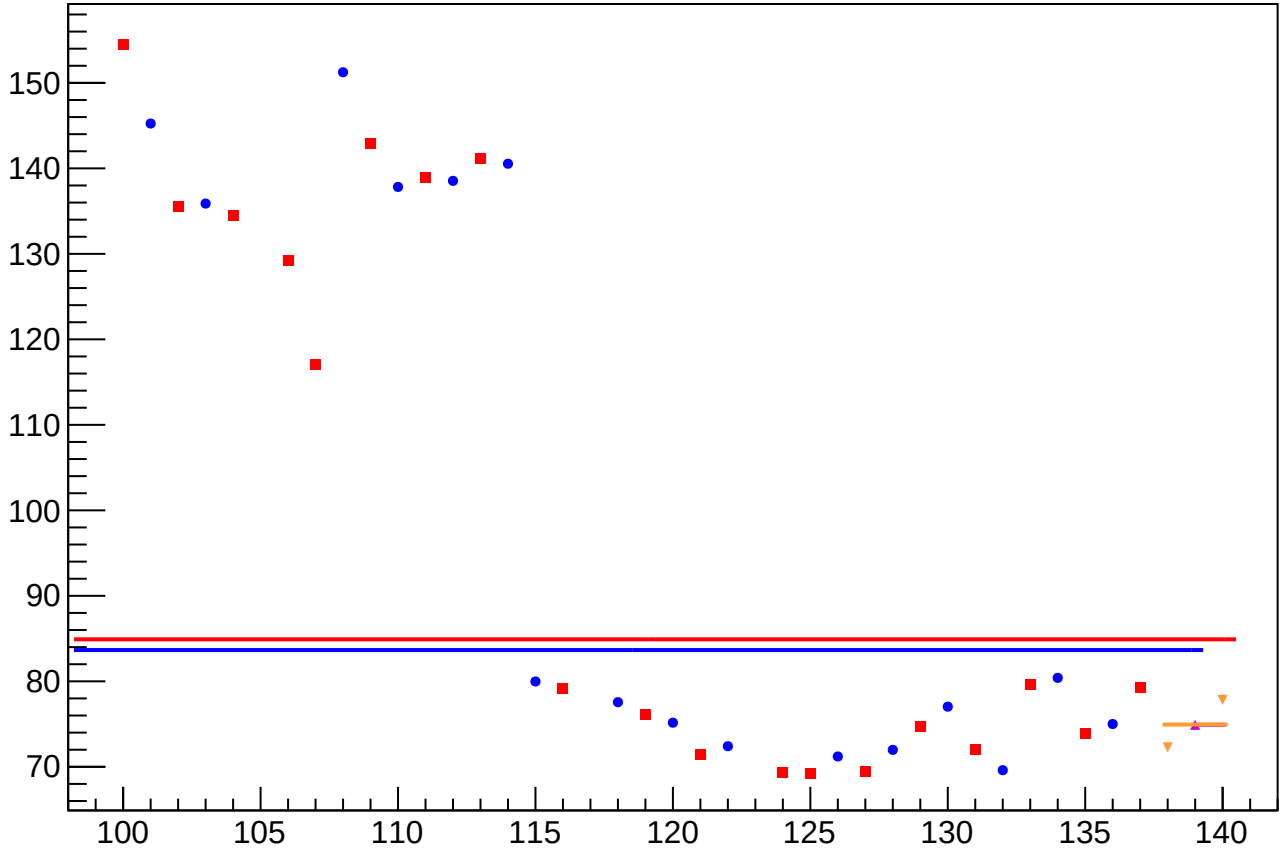
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: 6.616+/-30.022 χ^2/NDF:13.7/16

Out: -25.335+/-28.421 χ^2/NDF:33.4/20

All: -10.234+/-20.640 χ^2/NDF: 47.7/37

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 74.947+/-0.042 χ^2/NDF:4431.6/1

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 74.914+/-0.058 χ^2/NDF:0.0/0

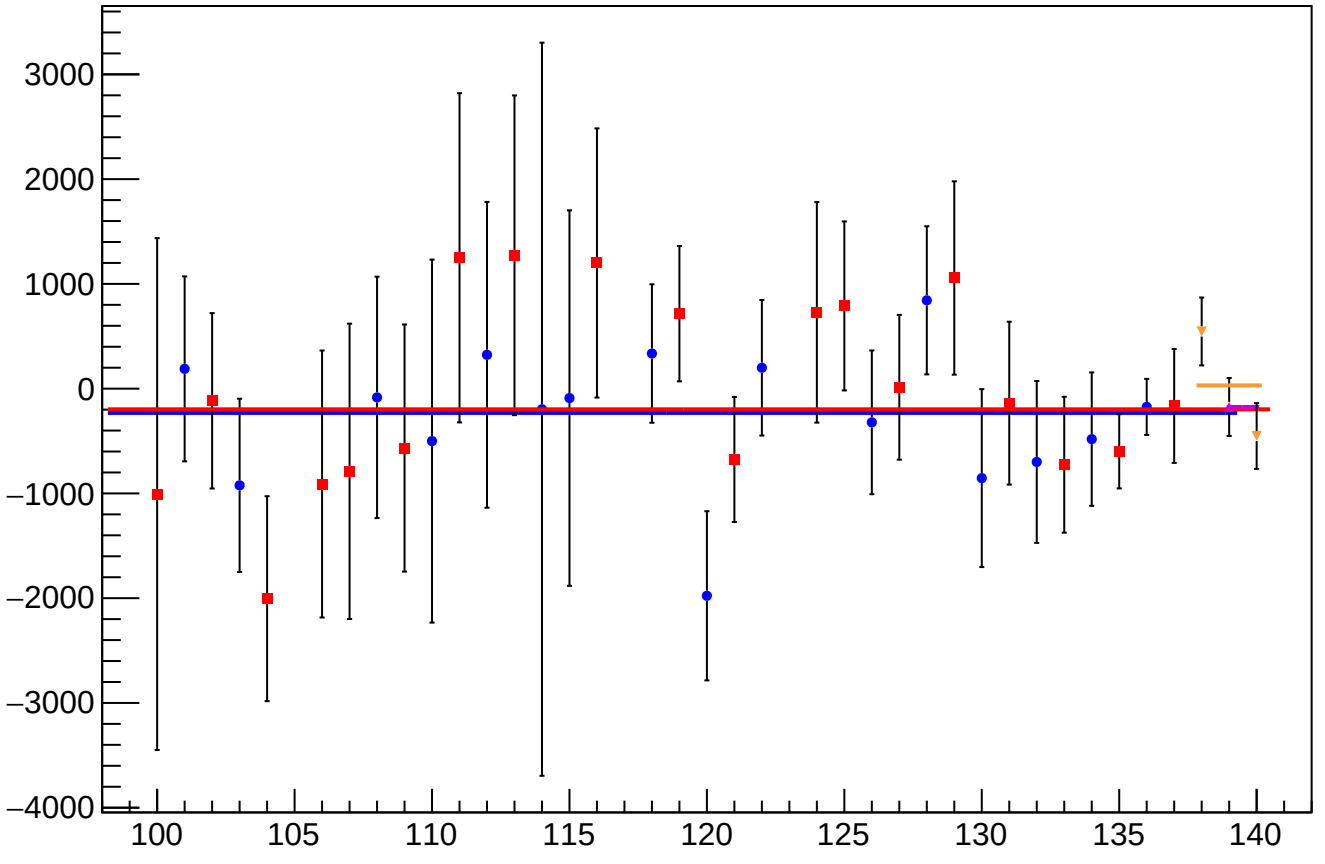
Left: 74.935+/-0.034 χ^2/NDF: 4431.8/2

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.469+/-0.021 χ^2/NDF:1054714.3/16

Out: 82.595+/-0.020 χ^2/NDF:1170004.5/20

All: 82.535+/-0.015 χ^2/NDF: 2224737.4/37



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 31.250+/-225.484 χ^2/NDF:4.9/1

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -174.662+/-276.670 χ^2/NDF:0.0/0

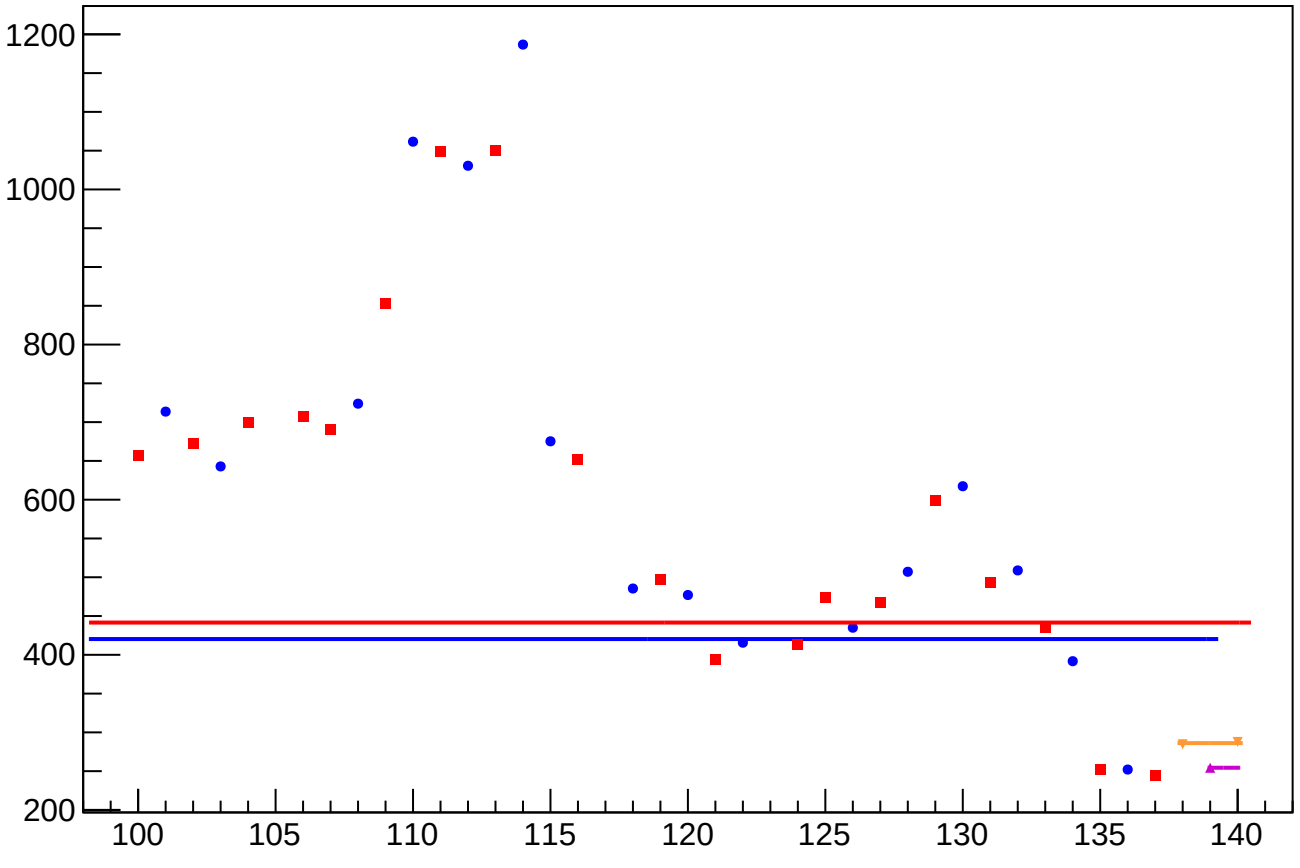
Left: -50.933+/-174.788 χ^2/NDF: 5.2/2

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -215.837+/-144.924 χ^2/NDF:10.4/16

Out: -110.659+/-138.784 χ^2/NDF:21.4/20

All: -160.973+/-100.236 χ^2/NDF: 32.1/37



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 286.161+/-0.159 χ^2/NDF:88.6/1

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 254.396+/-0.196 χ^2/NDF:0.0/0

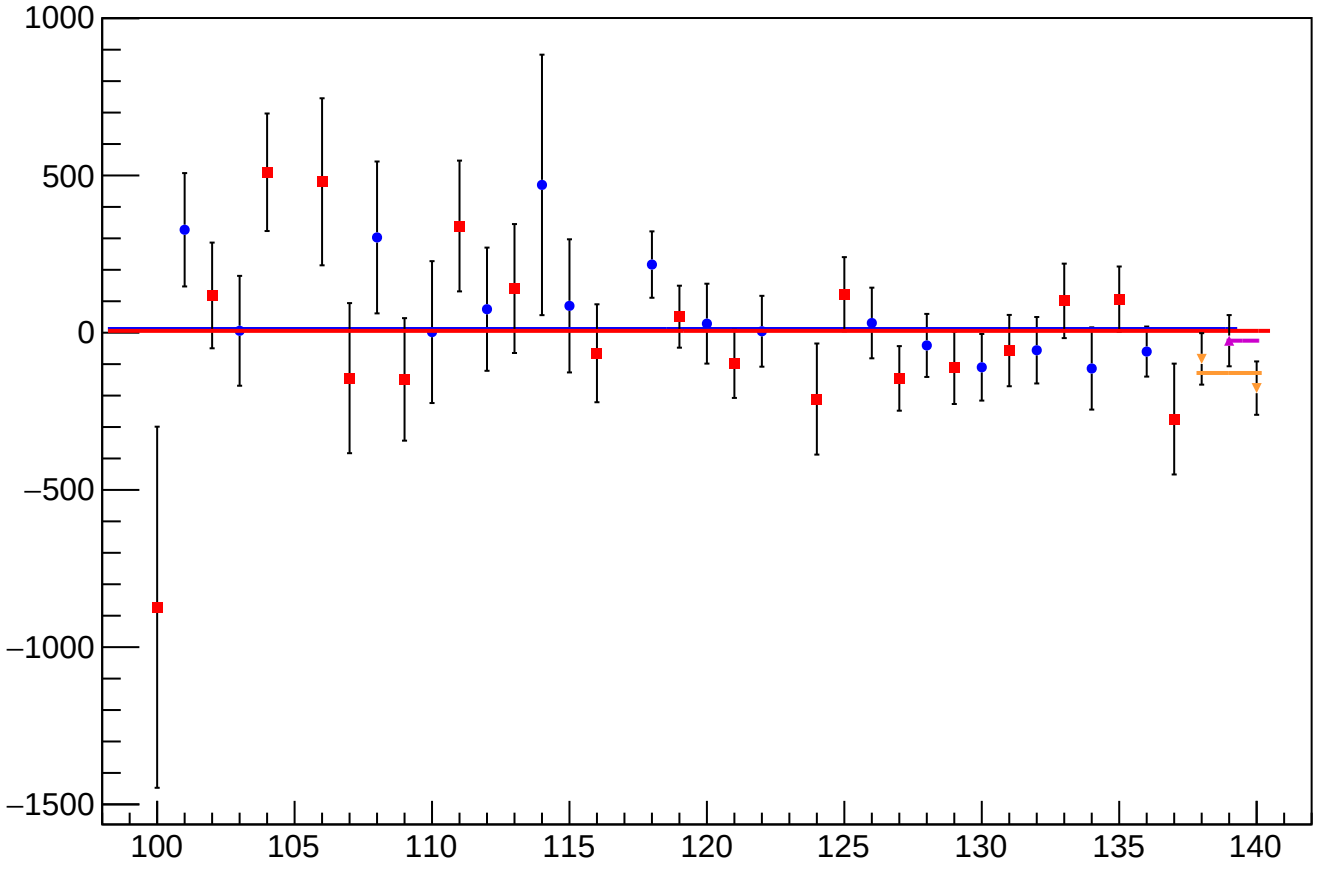
Left: 273.483+/-0.124 χ^2/NDF: 15929.9/2

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 374.800+/-0.102 χ^2/NDF:2776620.8/16

Out: 382.713+/-0.098 χ^2/NDF:2898032.3/20

All: 378.927+/-0.071 χ^2/NDF: 5677763.1/37



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -128.100+/-58.927 χ^2/NDF:0.6/1

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -25.397+/-81.439 χ^2/NDF:0.0/0

Left: -92.808+/-47.740 χ^2/NDF: 1.7/2

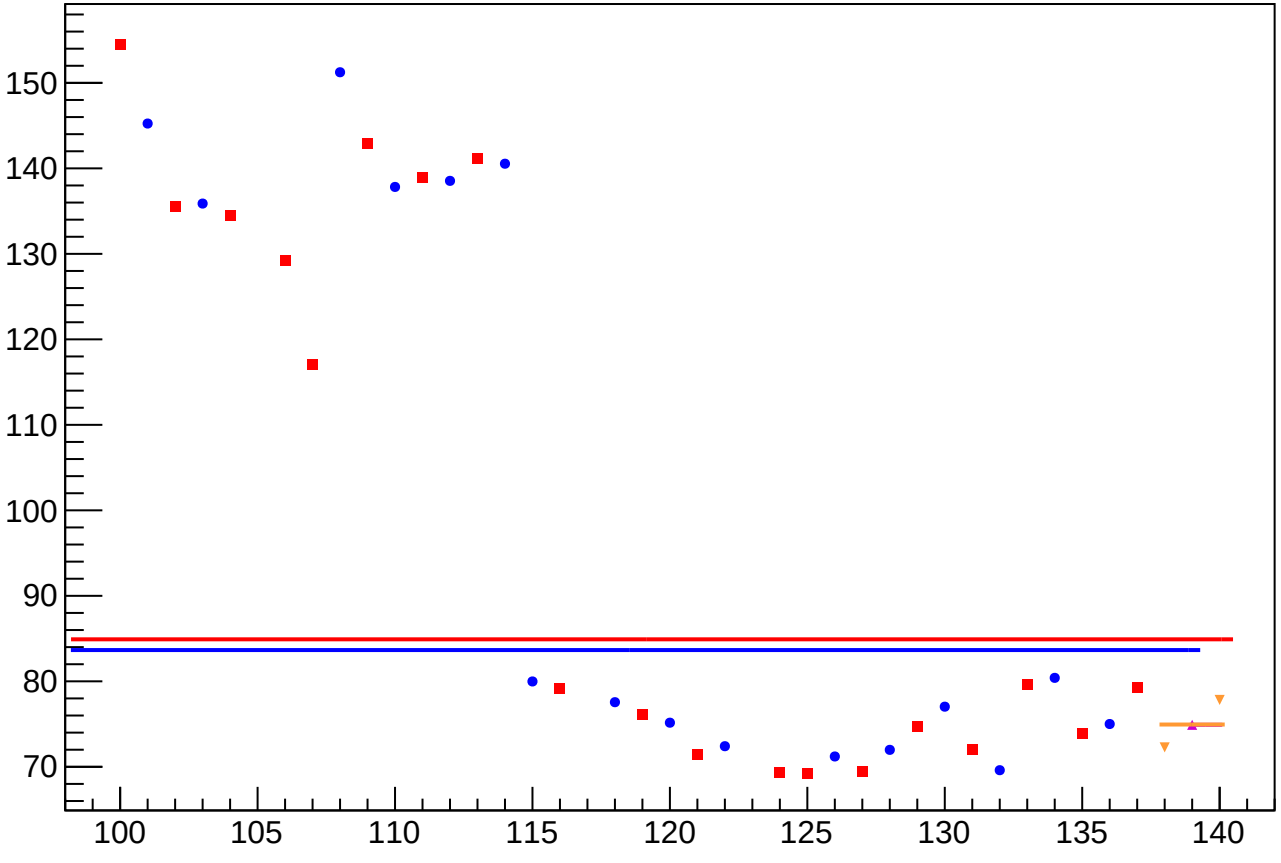
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: 6.617+/-30.022 χ^2/NDF:13.7/16

Out: -25.335+/-28.421 χ^2/NDF:33.4/20

All: -10.234+/-20.640 χ^2/NDF: 47.7/37

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 74.947+/-0.042 χ^2/NDF:4431.6/1

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 74.914+/-0.058 χ^2/NDF:0.0/0

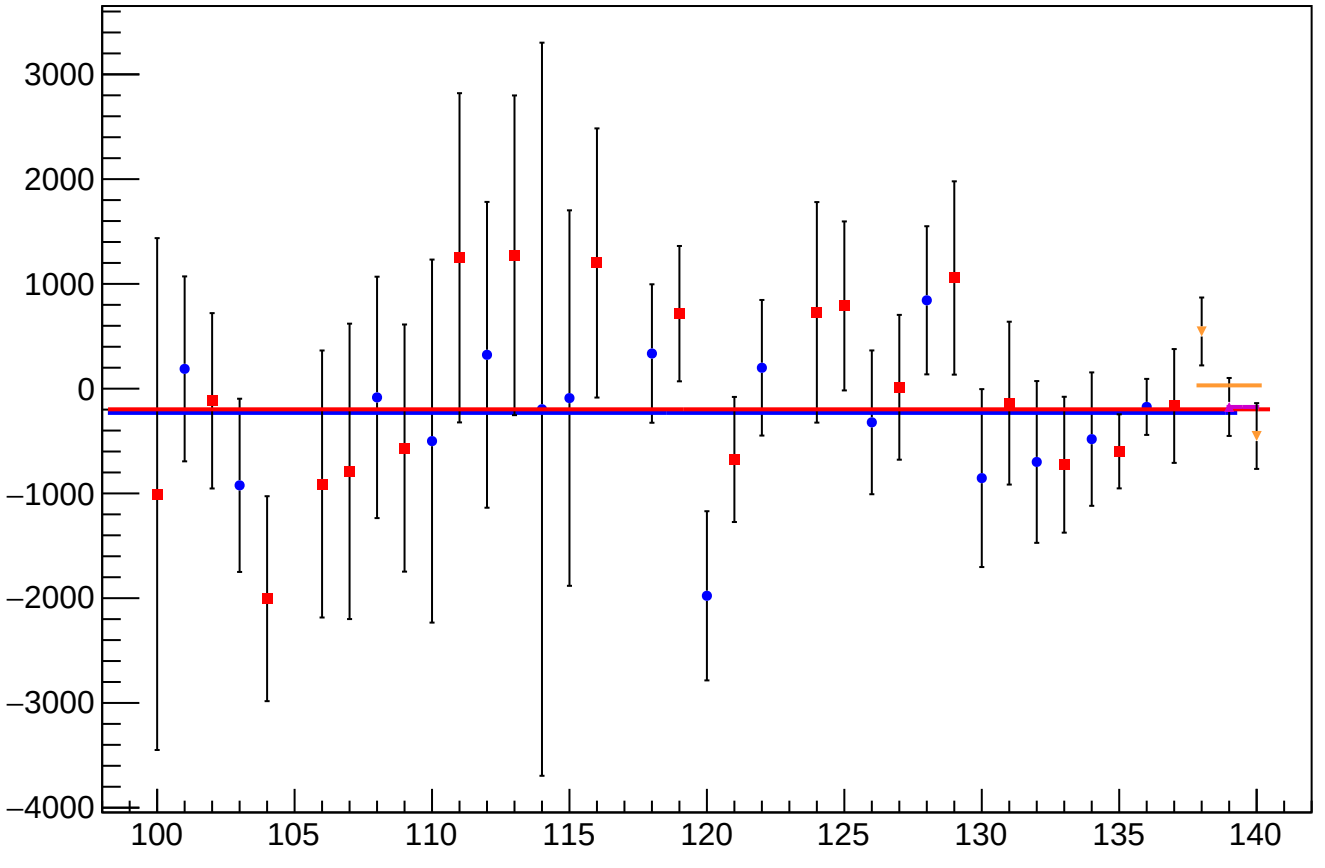
Left: 74.935+/-0.034 χ^2/NDF: 4431.8/2

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.469+/-0.021 χ^2/NDF:1054713.6/16

Out: 82.595+/-0.020 χ^2/NDF:1170002.9/20

All: 82.535+/-0.015 χ^2/NDF: 2224735.0/37



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 31.249+/-225.484 χ^2/NDF:4.9/1

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -174.662+/-276.670 χ^2/NDF:0.0/0

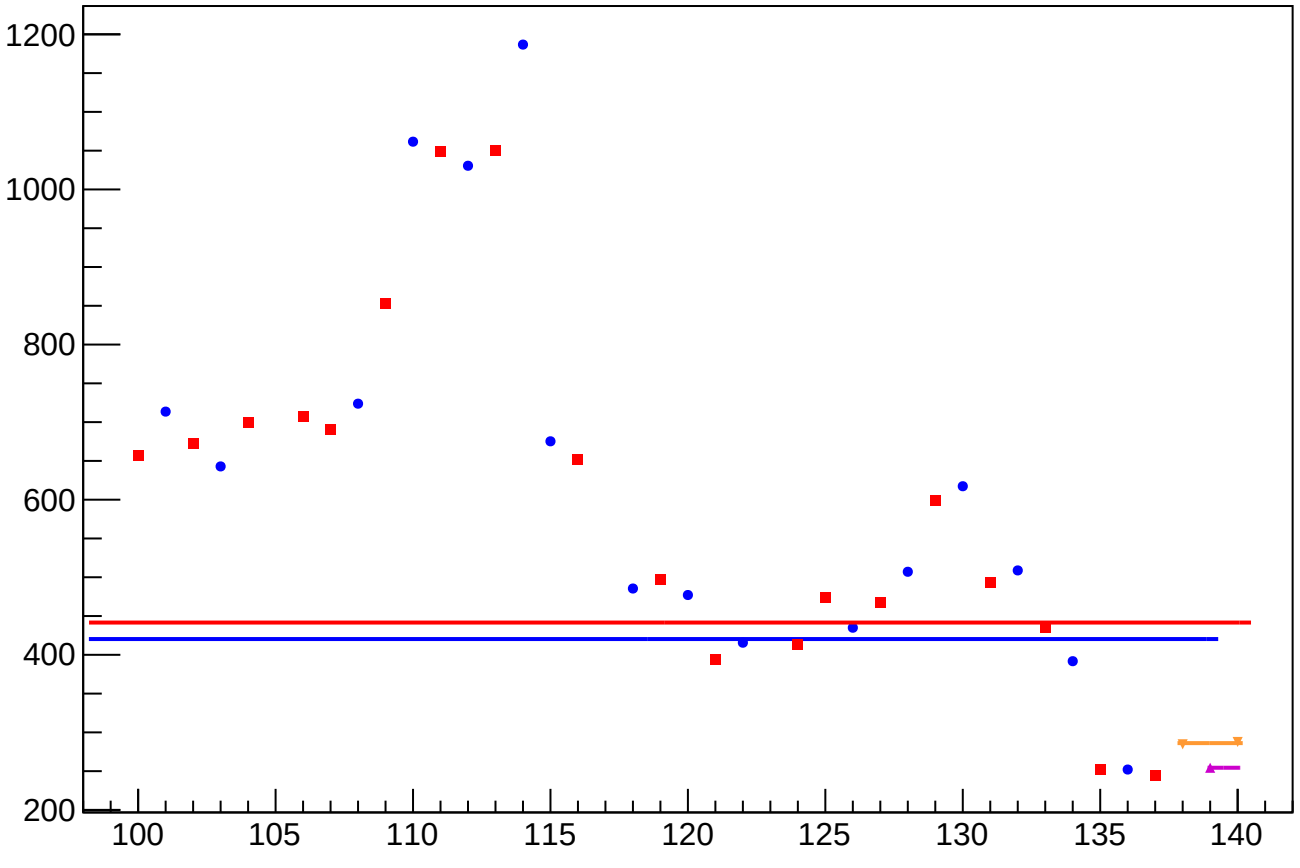
Left: -50.933+/-174.788 χ^2/NDF: 5.2/2

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -215.835+/-144.924 χ^2/NDF:10.4/16

Out: -110.660+/-138.784 χ^2/NDF:21.4/20

All: -160.972+/-100.236 χ^2/NDF: 32.1/37



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 286.161+/-0.159 χ^2/NDF:88.6/1

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 254.396+/-0.196 χ^2/NDF:0.0/0

Left: 273.483+/-0.124 χ^2/NDF: 15930.0/2

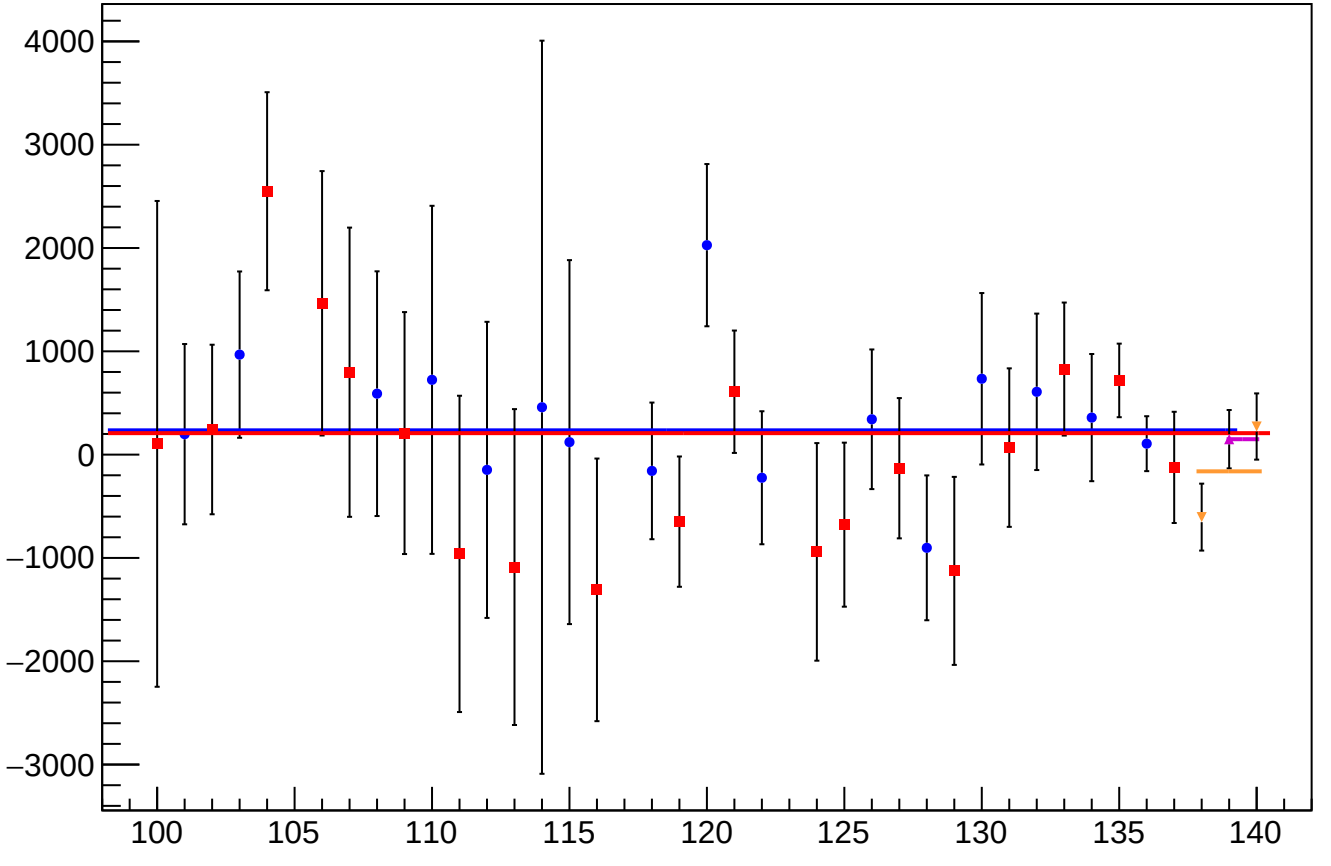
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 374.799+/-0.102 χ^2/NDF:2776624.5/16

Out: 382.712+/-0.098 χ^2/NDF:2898035.2/20

All: 378.927+/-0.071 χ^2/NDF: 5677769.8/37

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -161.743+/-227.865 χ^2/NDF:3.7/1

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: 149.309+/-282.588 χ^2/NDF:0.0/0

Left: -39.185+/-177.382 χ^2/NDF: 4.4/2

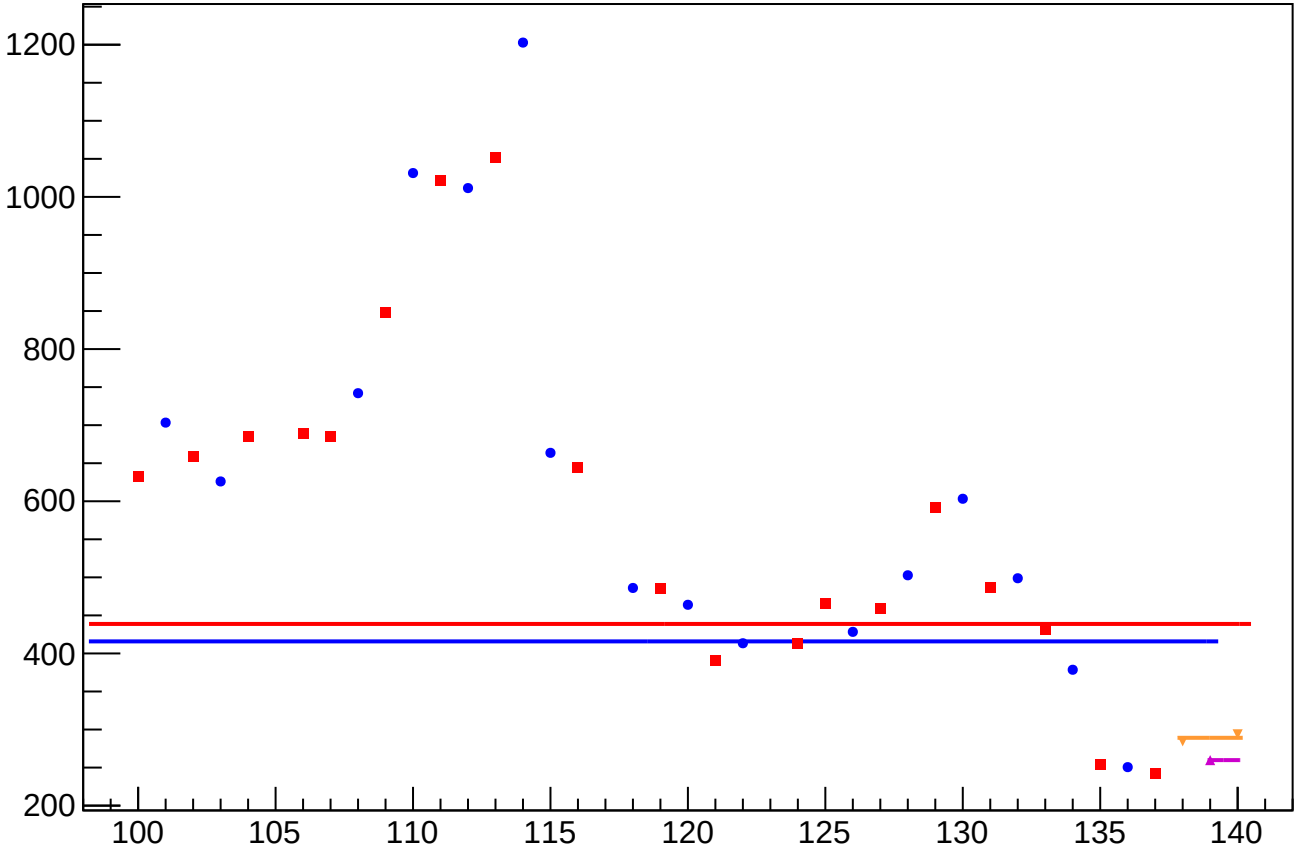
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 212.623+/-144.534 χ^2/NDF:10.8/16

Out: 71.066+/-138.650 χ^2/NDF:25.7/20

All: 138.904+/-100.056 χ^2/NDF: 37.0/37

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 289.129+/-0.161 χ^2/NDF:819.6/1

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 259.816+/-0.200 χ^2/NDF:0.0/0

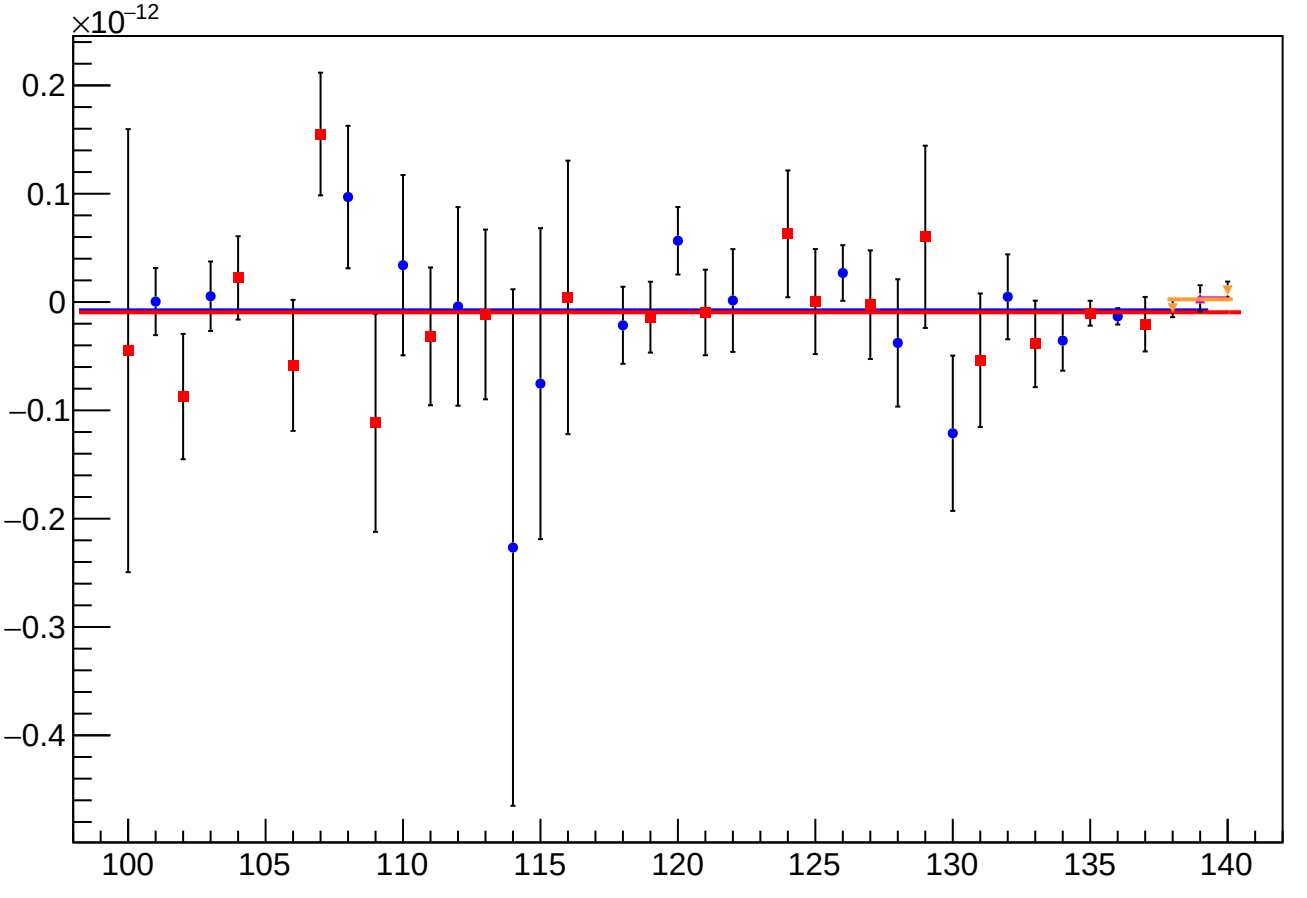
Left: 277.580+/-0.125 χ^2/NDF: 13860.6/2

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 375.024+/-0.102 χ^2/NDF:2674138.4/16

Out: 383.369+/-0.098 χ^2/NDF:2778805.0/20

All: 379.370+/-0.071 χ^2/NDF: 5456415.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

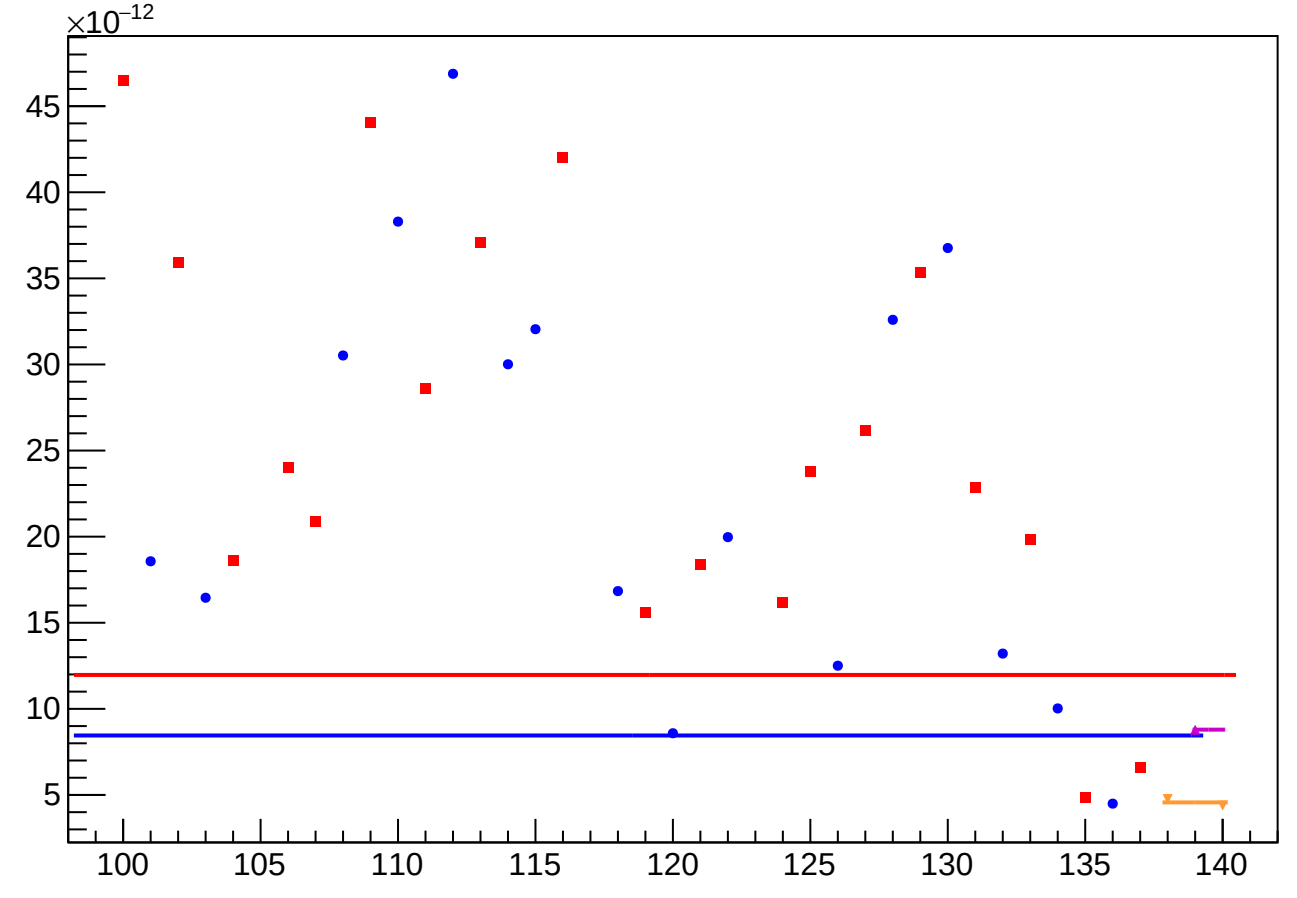
Left: 0.000+/-0.000 χ^2/NDF: 2.0/2

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:15.4/16

Out: -0.000+/-0.000 χ^2/NDF:19.7/20

All: -0.000+/-0.000 χ^2/NDF: 35.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2165.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

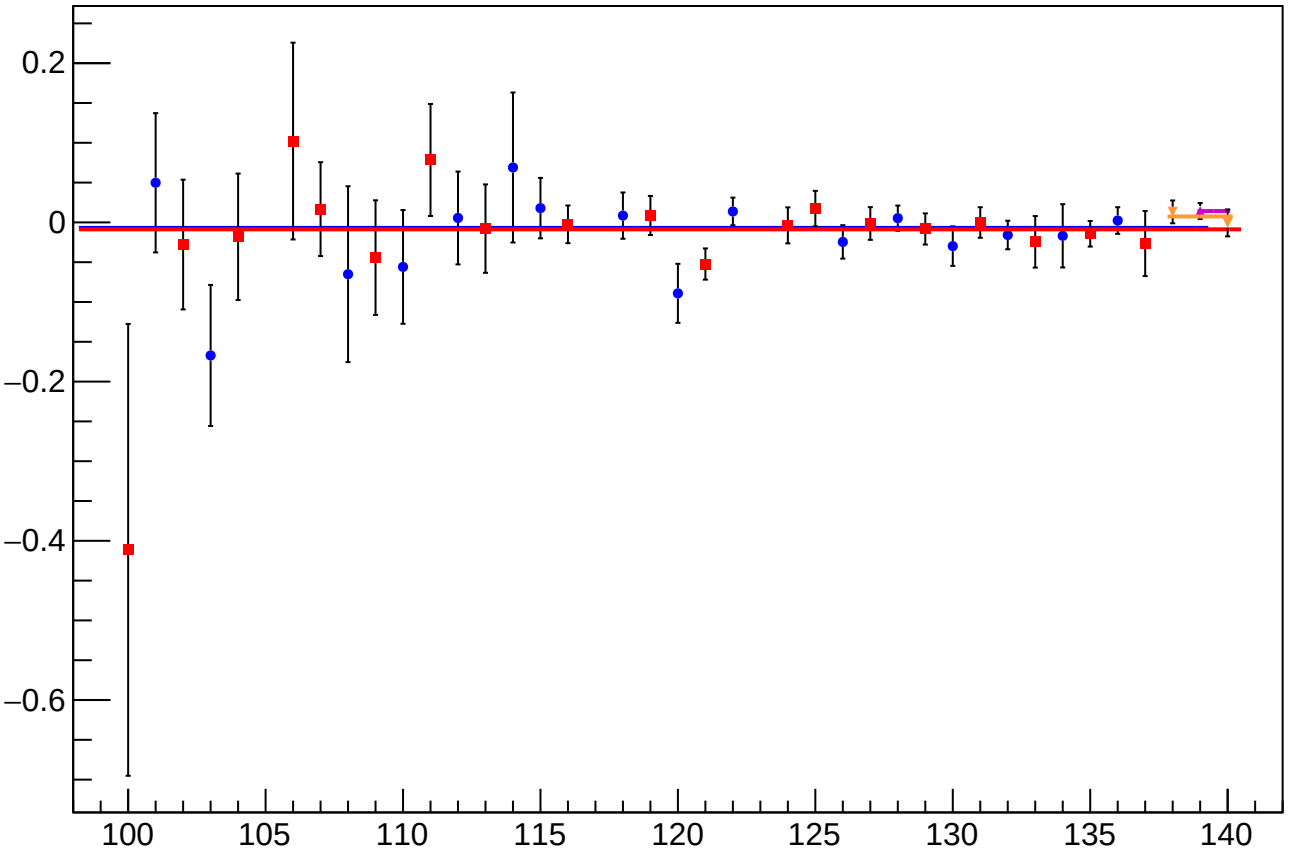
Left: 0.000+/-0.000 χ^2/NDF: 199817.5/2

Right: 0.000+/-0.000 χ^2/NDF: 5753139.7/34

In: 0.000+/-0.000 χ^2/NDF:2757337.1/16

Out: 0.000+/-0.000 χ^2/NDF:3853816.7/20

All: 0.000+/-0.000 χ^2/NDF: 6691344.3/37



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.011 χ^2/NDF:0.4/1

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.014+/-0.010 χ^2/NDF:0.0/0

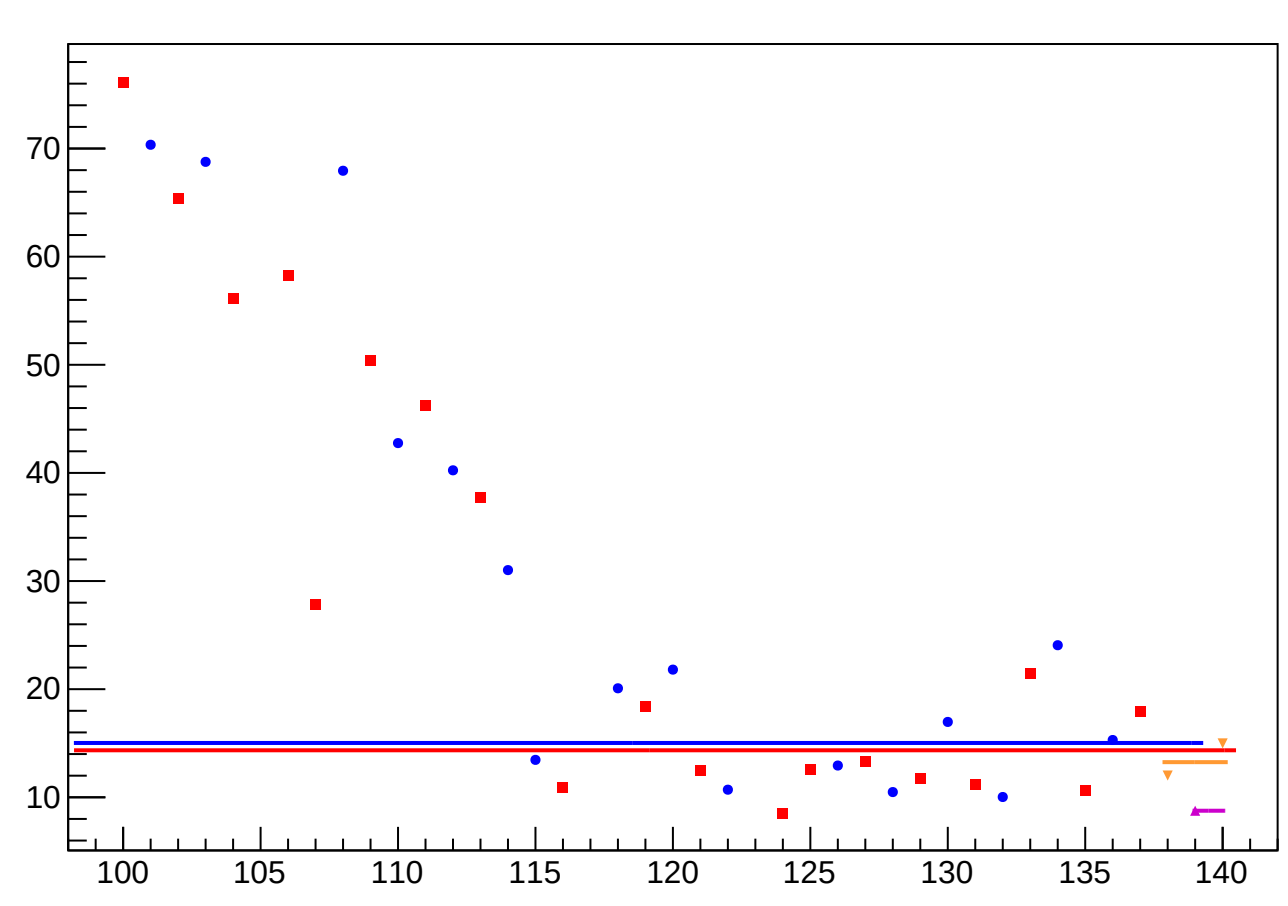
Left: 0.011+/-0.007 χ^2/NDF: 0.6/2

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.000+/-0.006 χ^2/NDF:18.0/16

Out: -0.005+/-0.006 χ^2/NDF:14.7/20

All: -0.003+/-0.004 χ^2/NDF: 33.0/37



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 13.251+/-0.008 χ^2/NDF:35964.2/1

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 8.758+/-0.007 χ^2/NDF:0.0/0

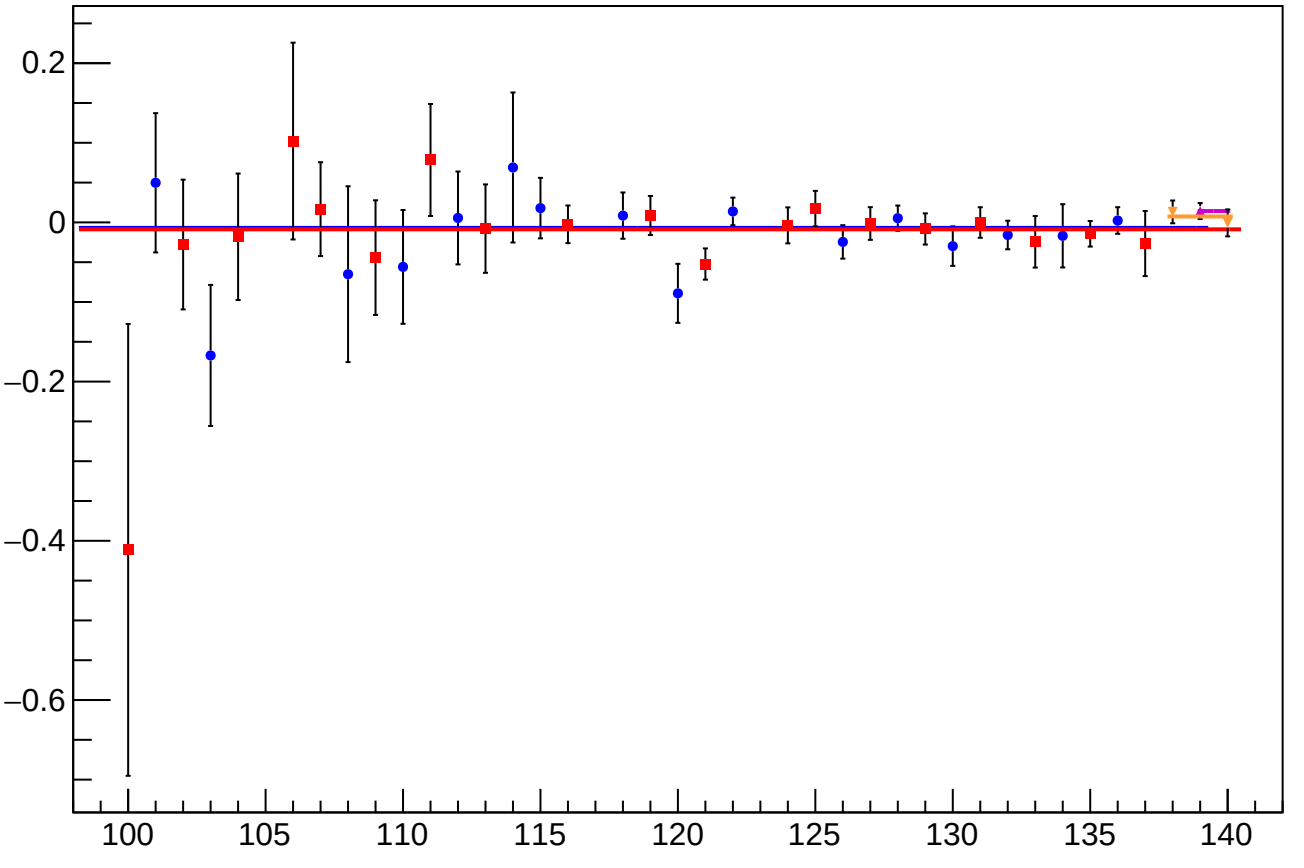
Left: 10.815+/-0.005 χ^2/NDF: 219282.2/2

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.082+/-0.004 χ^2/NDF:3975878.6/16

Out: 14.069+/-0.004 χ^2/NDF:3679997.4/20

All: 13.582+/-0.003 χ^2/NDF: 7687504.0/37



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.011 χ^2/NDF:0.4/1

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.014+/-0.010 χ^2/NDF:0.0/0

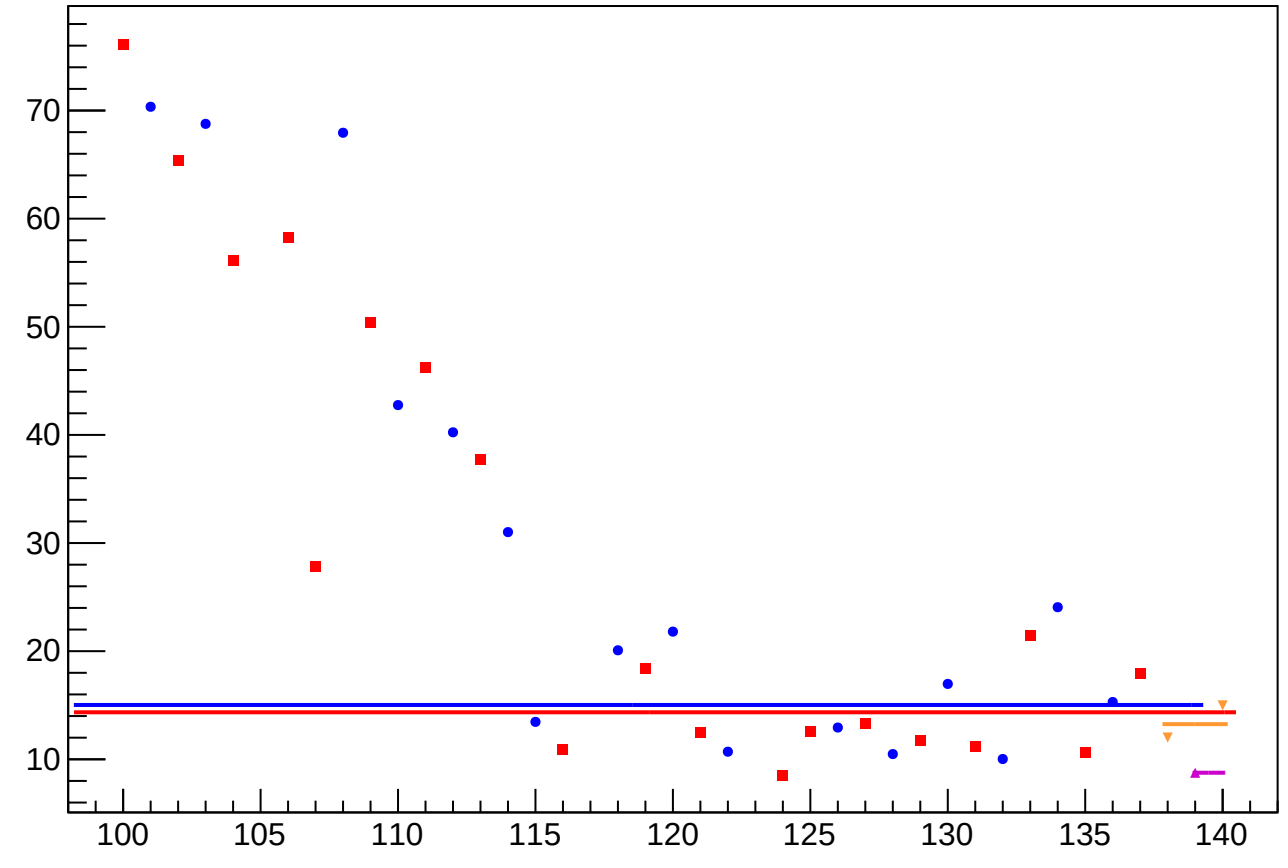
Left: 0.011+/-0.007 χ^2/NDF: 0.6/2

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.000+/-0.006 χ^2/NDF:18.0/16

Out: -0.005+/-0.006 χ^2/NDF:14.7/20

All: -0.003+/-0.004 χ^2/NDF: 33.0/37



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 13.251+/-0.008 χ^2/NDF:35964.2/1

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 8.758+/-0.007 χ^2/NDF:0.0/0

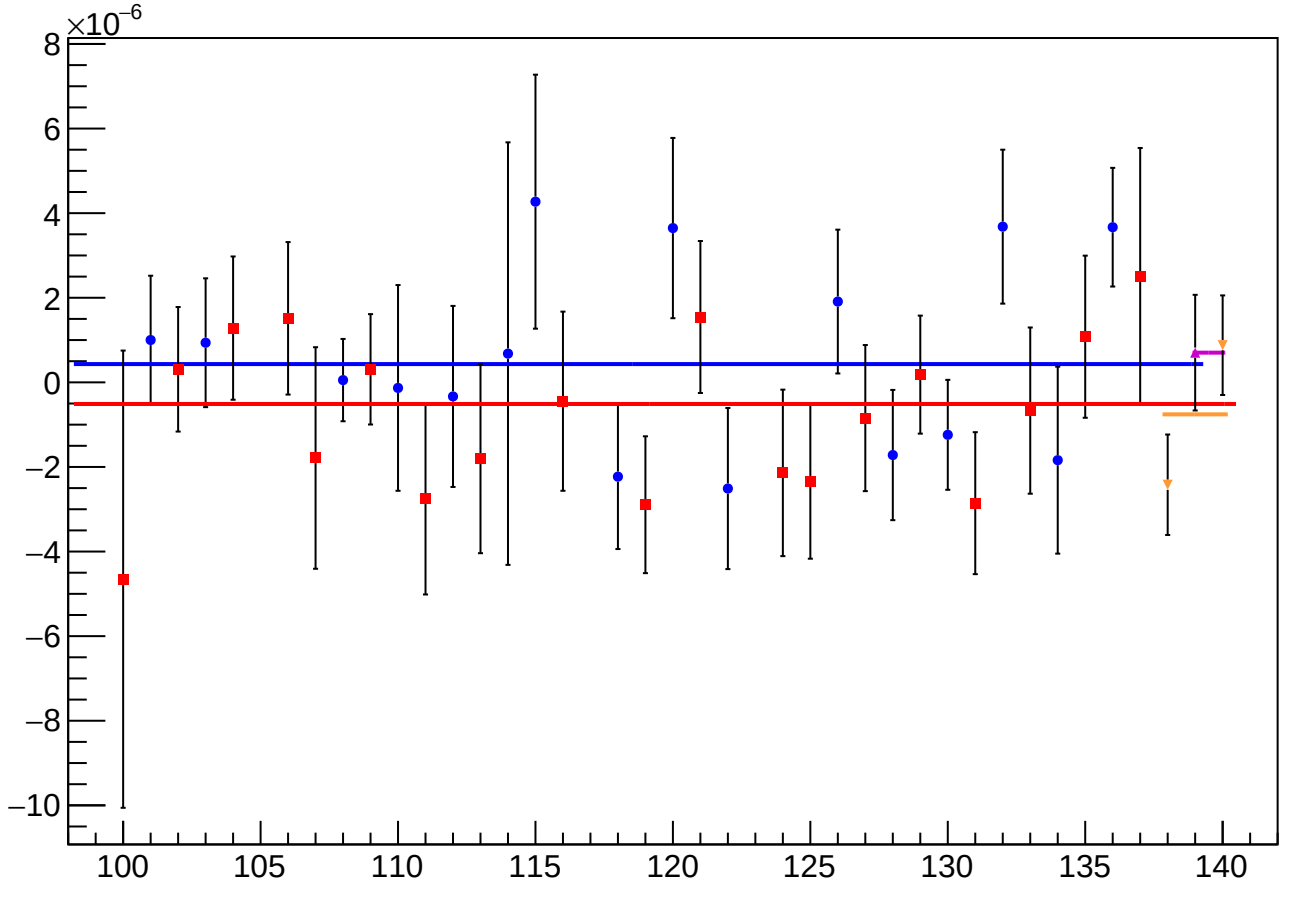
Left: 10.815+/-0.005 χ^2/NDF: 219282.2/2

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.082+/-0.004 χ^2/NDF:3975878.6/16

Out: 14.069+/-0.004 χ^2/NDF:3679997.4/20

All: 13.582+/-0.003 χ^2/NDF: 7687504.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

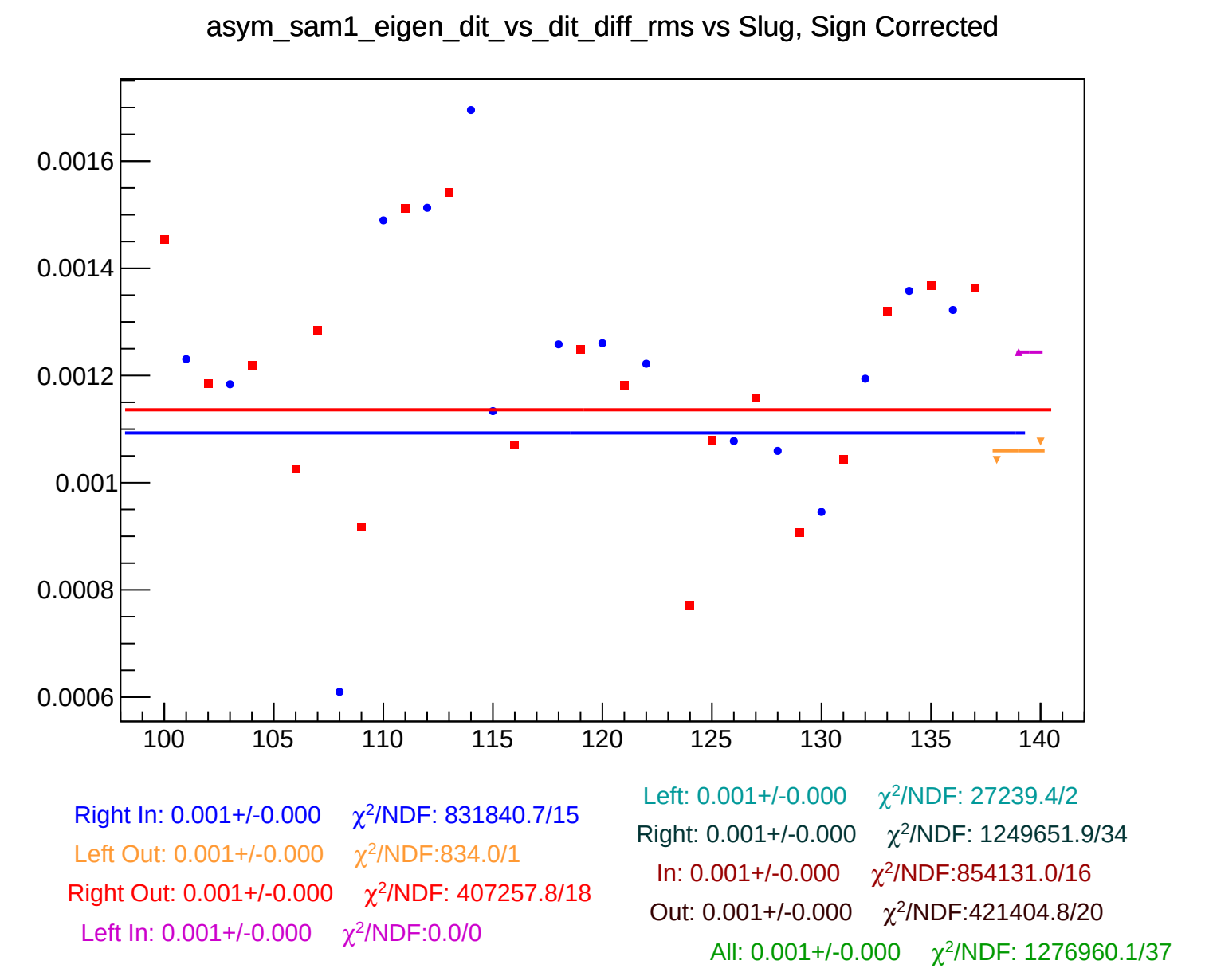
Left: -0.000+/-0.000 χ^2/NDF: 4.7/2

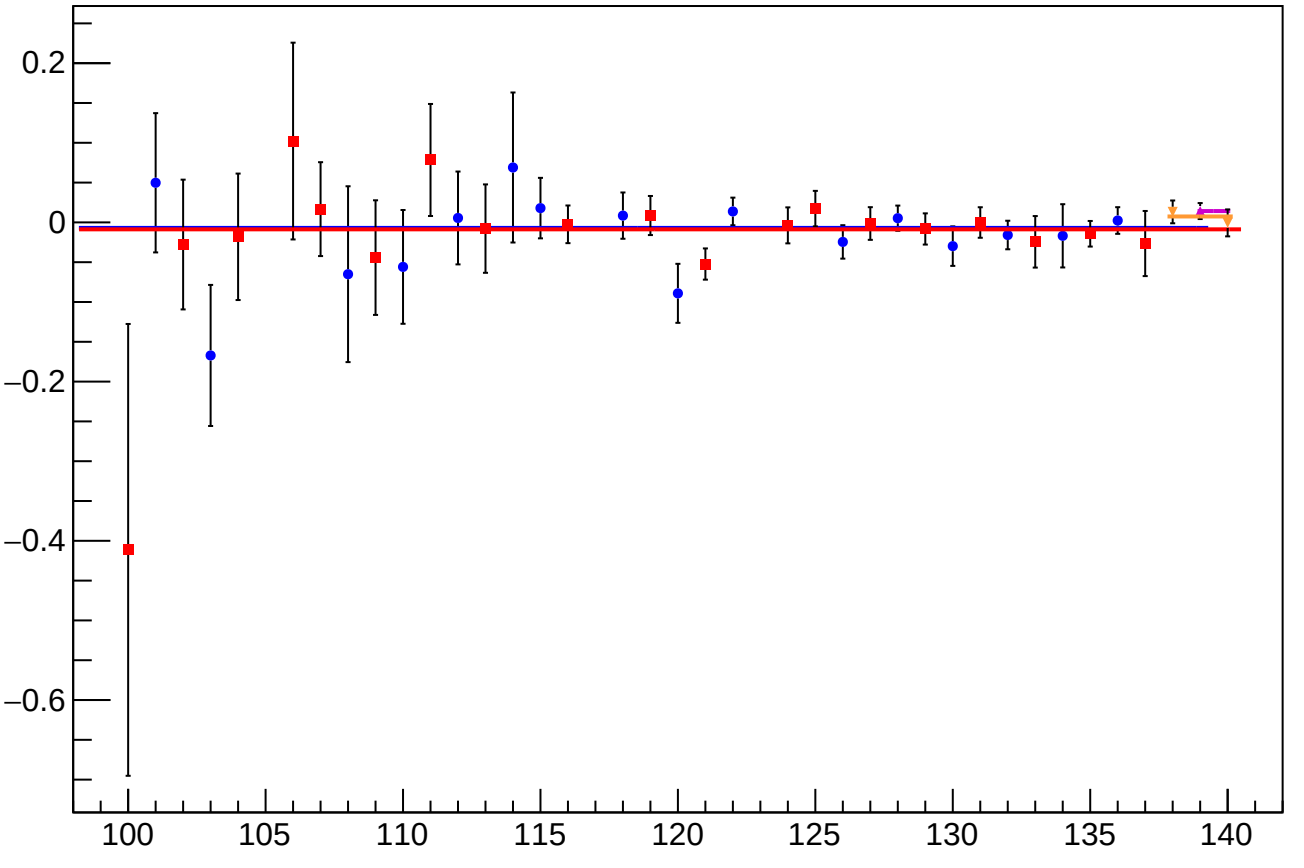
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:23.3/16

Out: -0.000+/-0.000 χ^2/NDF:18.3/20

All: -0.000+/-0.000 χ^2/NDF: 44.9/37


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
105
110
115
120
125
130
135
140
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:834.0/1
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:0.0/0
Left: 0.001+/-0.000 χ²/NDF: 27239.4/2
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:854131.0/16
Out: 0.001+/-0.000 χ²/NDF:421404.8/20
All: 0.001+/-0.000 χ²/NDF: 1276960.1/37



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.011 χ^2/NDF:0.4/1

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.014+/-0.010 χ^2/NDF:0.0/0

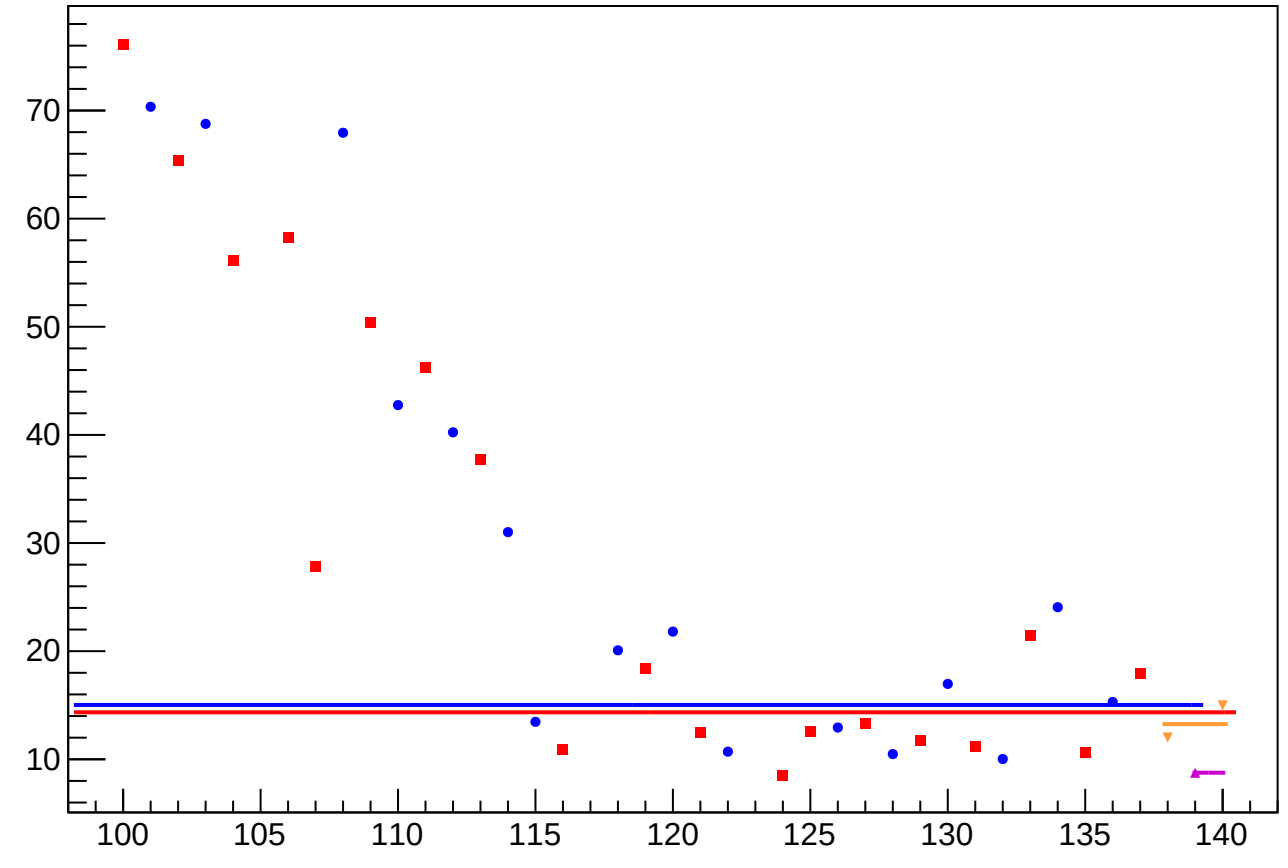
Left: 0.011+/-0.007 χ^2/NDF: 0.6/2

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.000+/-0.006 χ^2/NDF:18.0/16

Out: -0.005+/-0.006 χ^2/NDF:14.7/20

All: -0.003+/-0.004 χ^2/NDF: 33.0/37



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 13.251+/-0.008 χ^2/NDF:35967.4/1

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 8.758+/-0.007 χ^2/NDF:0.0/0

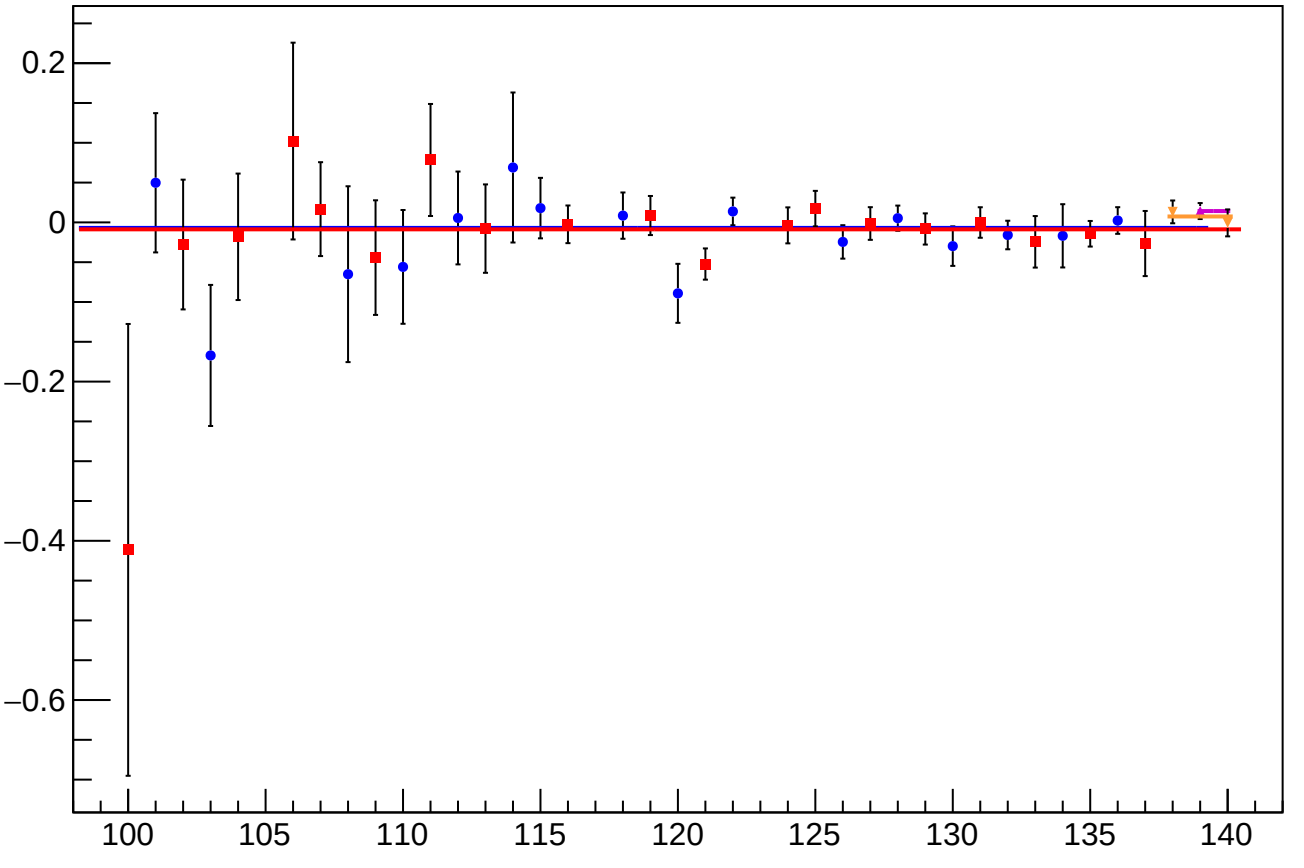
Left: 10.815+/-0.005 χ^2/NDF: 219294.8/2

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.081+/-0.004 χ^2/NDF:3975886.6/16

Out: 14.069+/-0.004 χ^2/NDF:3679987.1/20

All: 13.582+/-0.003 χ^2/NDF: 7687507.5/37



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.011 χ^2/NDF:0.4/1

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.014+/-0.010 χ^2/NDF:0.0/0

Left: 0.011+/-0.007 χ^2/NDF: 0.6/2

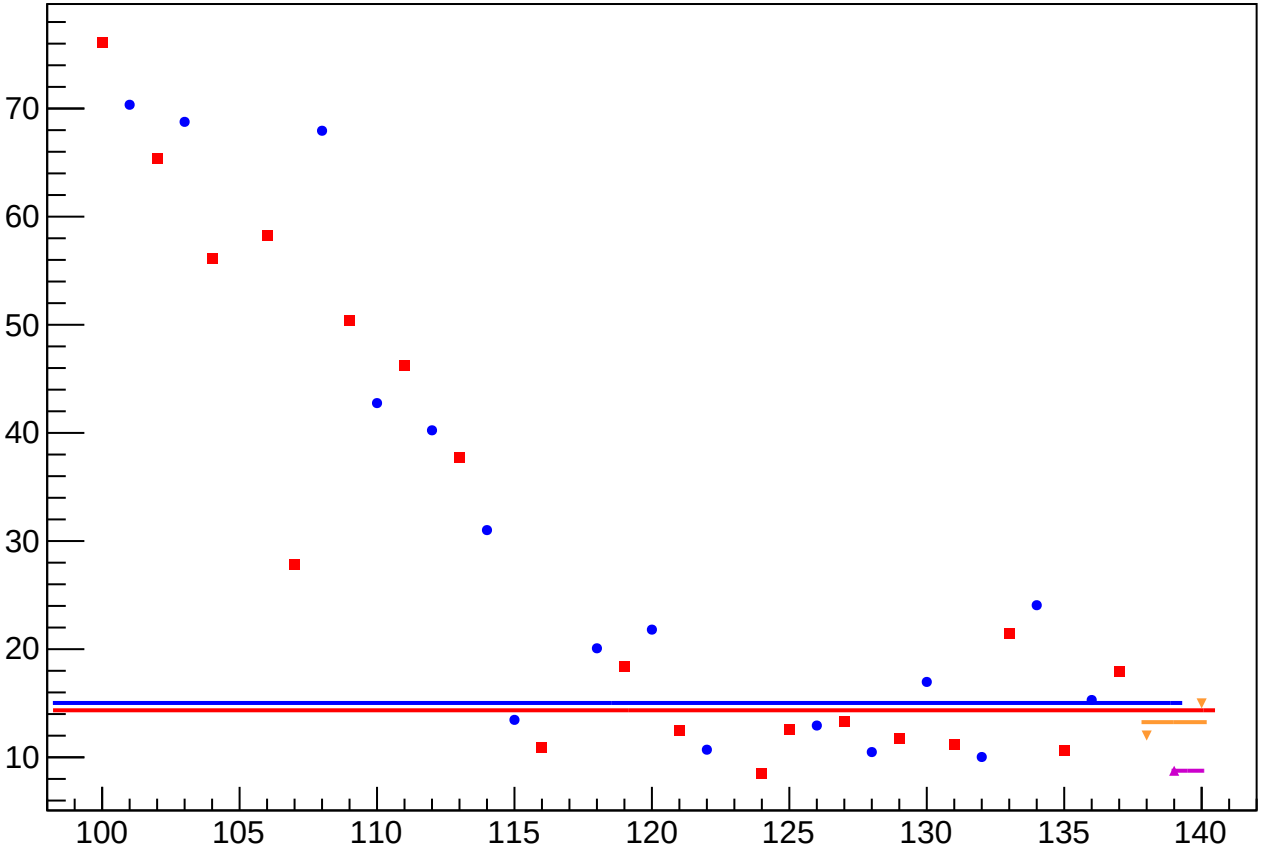
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.000+/-0.006 χ^2/NDF:18.0/16

Out: -0.005+/-0.006 χ^2/NDF:14.7/20

All: -0.003+/-0.004 χ^2/NDF: 33.0/37

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 13.251+/-0.008 χ^2/NDF:35967.4/1

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 8.758+/-0.007 χ^2/NDF:0.0/0

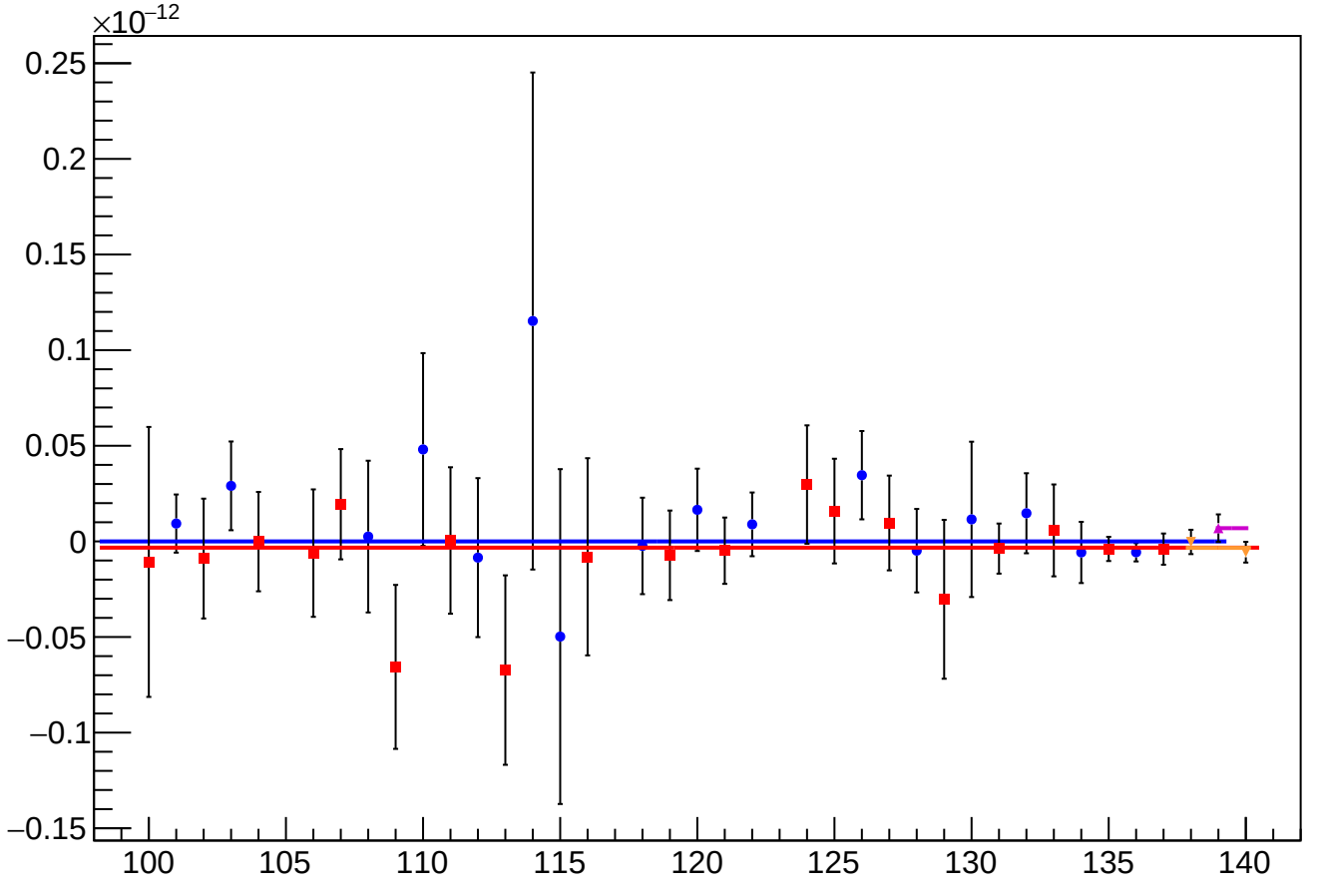
Left: 10.815+/-0.005 χ^2/NDF: 219294.8/2

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.081+/-0.004 χ^2/NDF:3975886.6/16

Out: 14.069+/-0.004 χ^2/NDF:3679987.1/20

All: 13.582+/-0.003 χ^2/NDF: 7687507.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

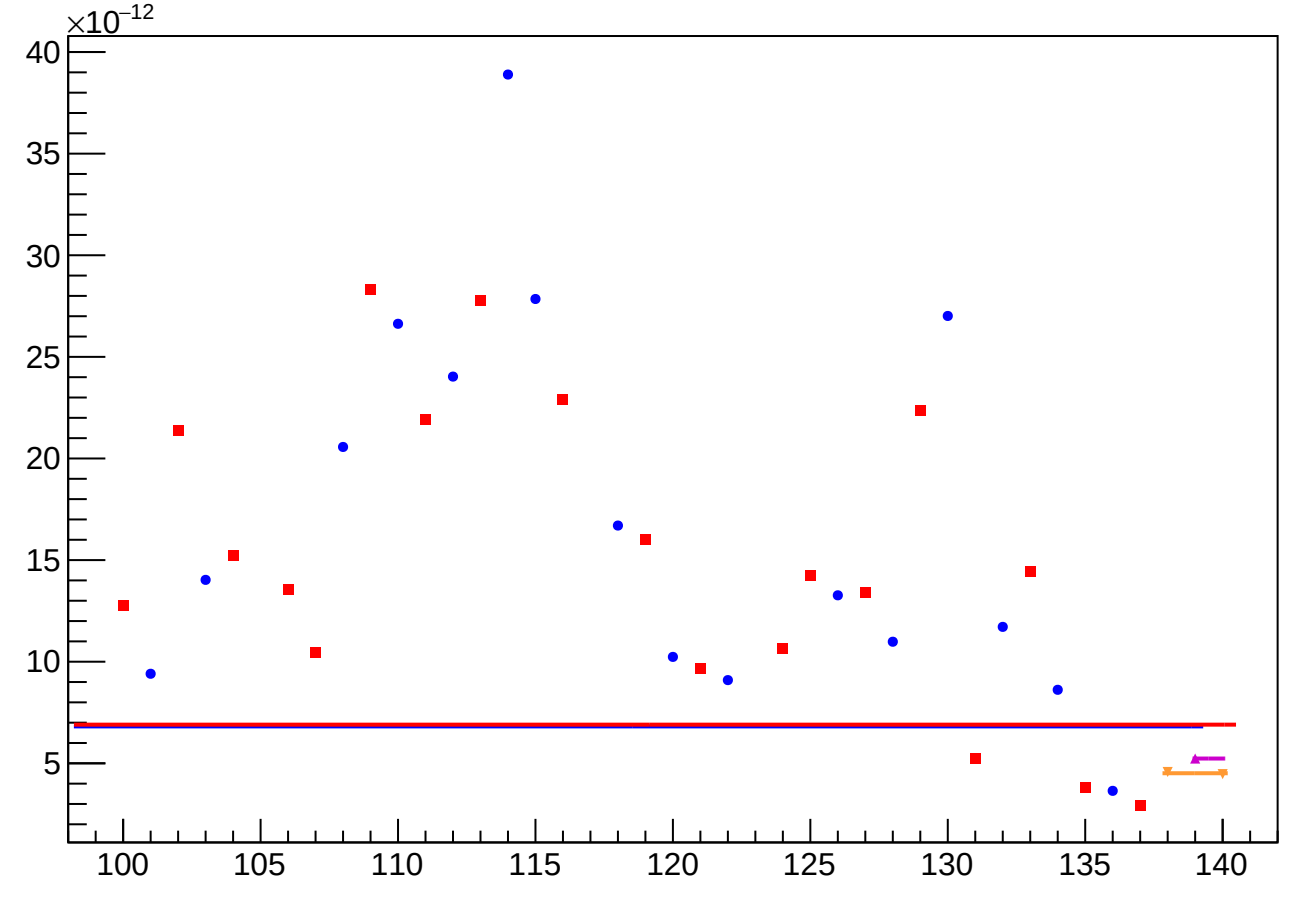
Left: -0.000+/-0.000 χ^2/NDF: 1.9/2

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: 0.000+/-0.000 χ^2/NDF:10.0/16

Out: -0.000+/-0.000 χ^2/NDF:7.4/20

All: -0.000+/-0.000 χ^2/NDF: 18.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:318.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 15467.8/2

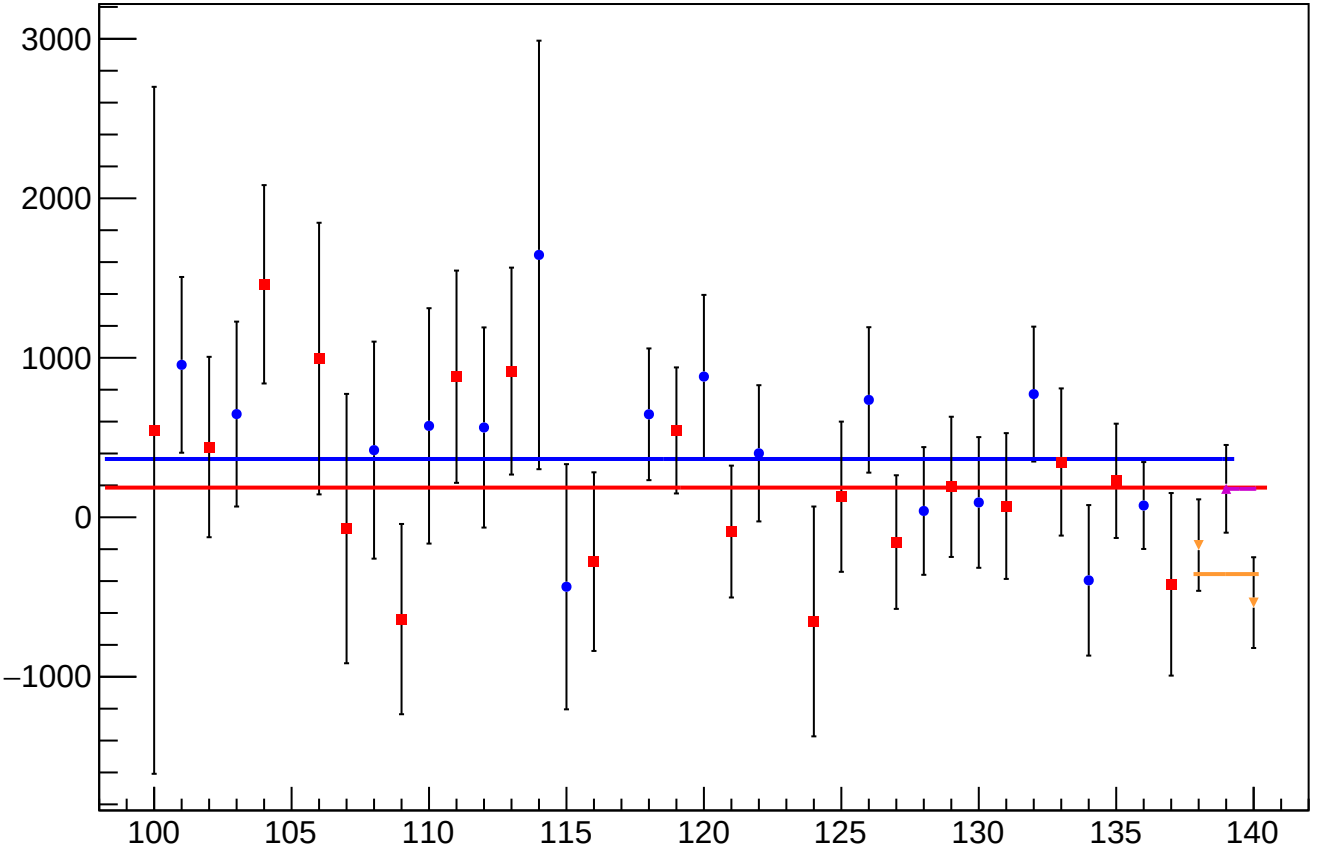
Right: 0.000+/-0.000 χ^2/NDF: 7753131.5/34

In: 0.000+/-0.000 χ^2/NDF:3586804.5/16

Out: 0.000+/-0.000 χ^2/NDF:4591937.1/20

All: 0.000+/-0.000 χ^2/NDF: 8231324.9/37

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -356.107+/-202.032 χ^2/NDF:0.8/1

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: 178.478+/-275.038 χ^2/NDF:0.0/0

Left: -168.751+/-162.824 χ^2/NDF: 3.3/2

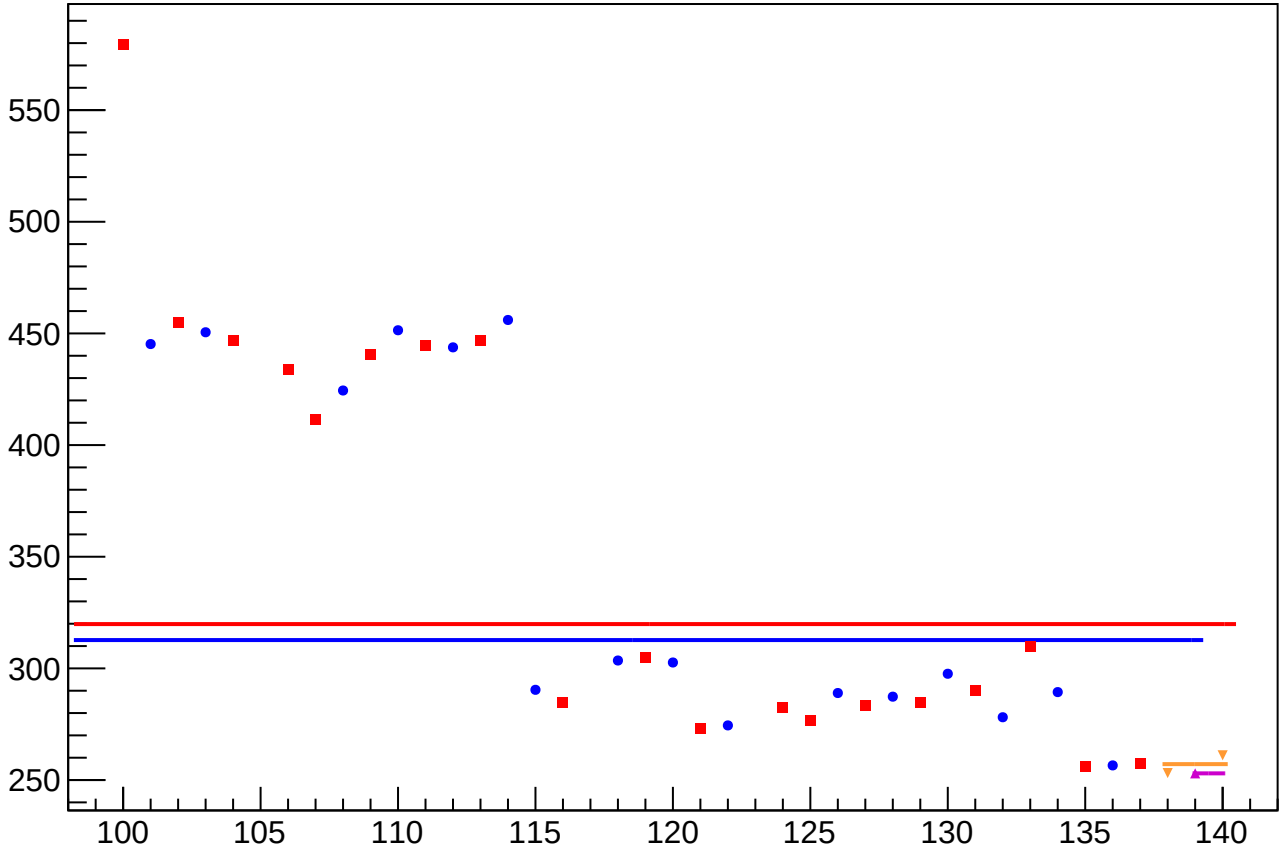
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 336.097+/-109.117 χ^2/NDF:11.9/16

Out: 44.401+/-103.292 χ^2/NDF:21.1/20

All: 182.255+/-75.013 χ^2/NDF: 36.8/37

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 257.130+/-0.143 χ^2/NDF:774.0/1

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 252.992+/-0.194 χ^2/NDF:0.0/0

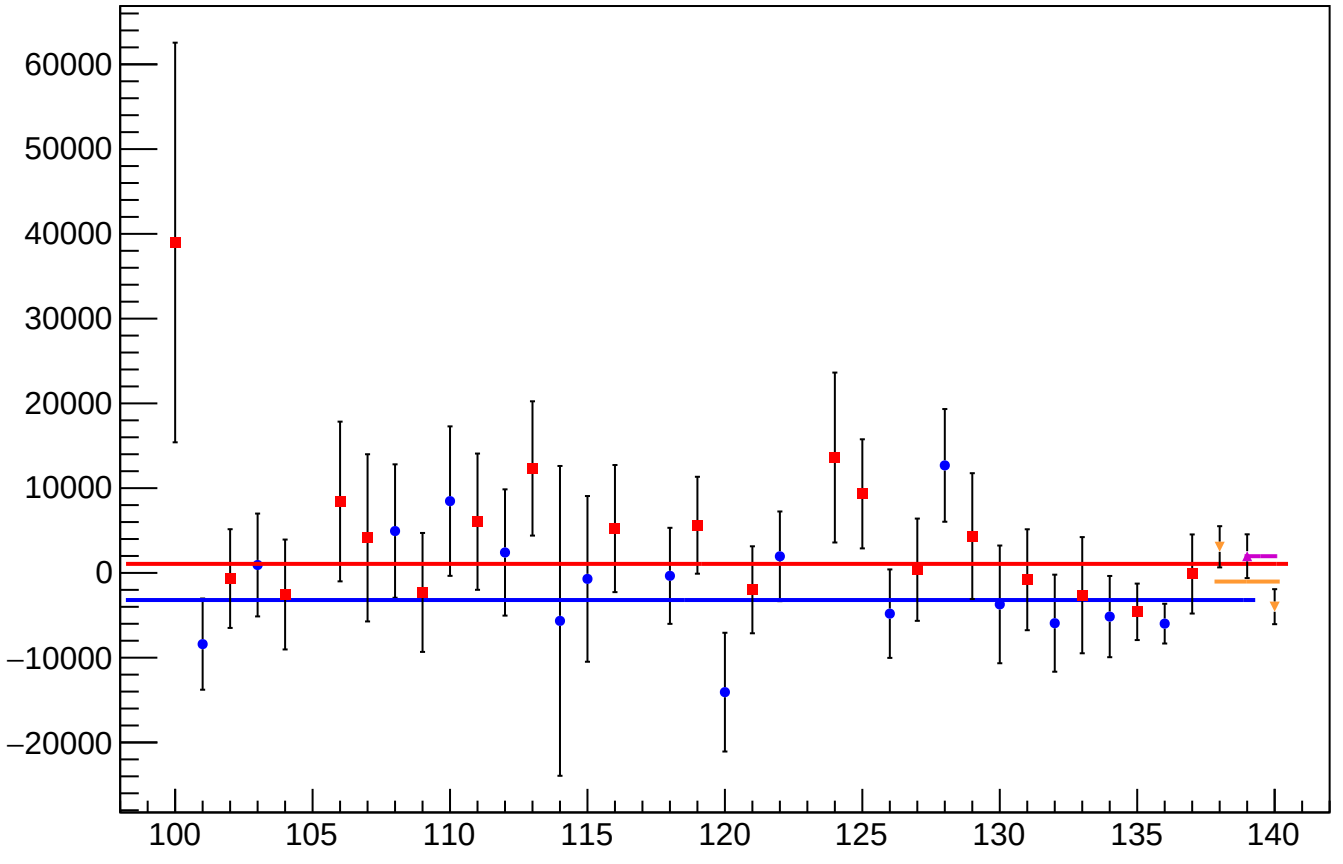
Left: 255.680+/-0.115 χ^2/NDF: 1068.1/2

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 303.288+/-0.077 χ^2/NDF:681581.4/16

Out: 303.449+/-0.073 χ^2/NDF:840976.7/20

All: 303.372+/-0.053 χ^2/NDF: 1522560.3/37



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1019.604+/-1574.007 χ^2/NDF:4.9/1

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: 1971.775+/-2583.319 χ^2/NDF:0.0/0

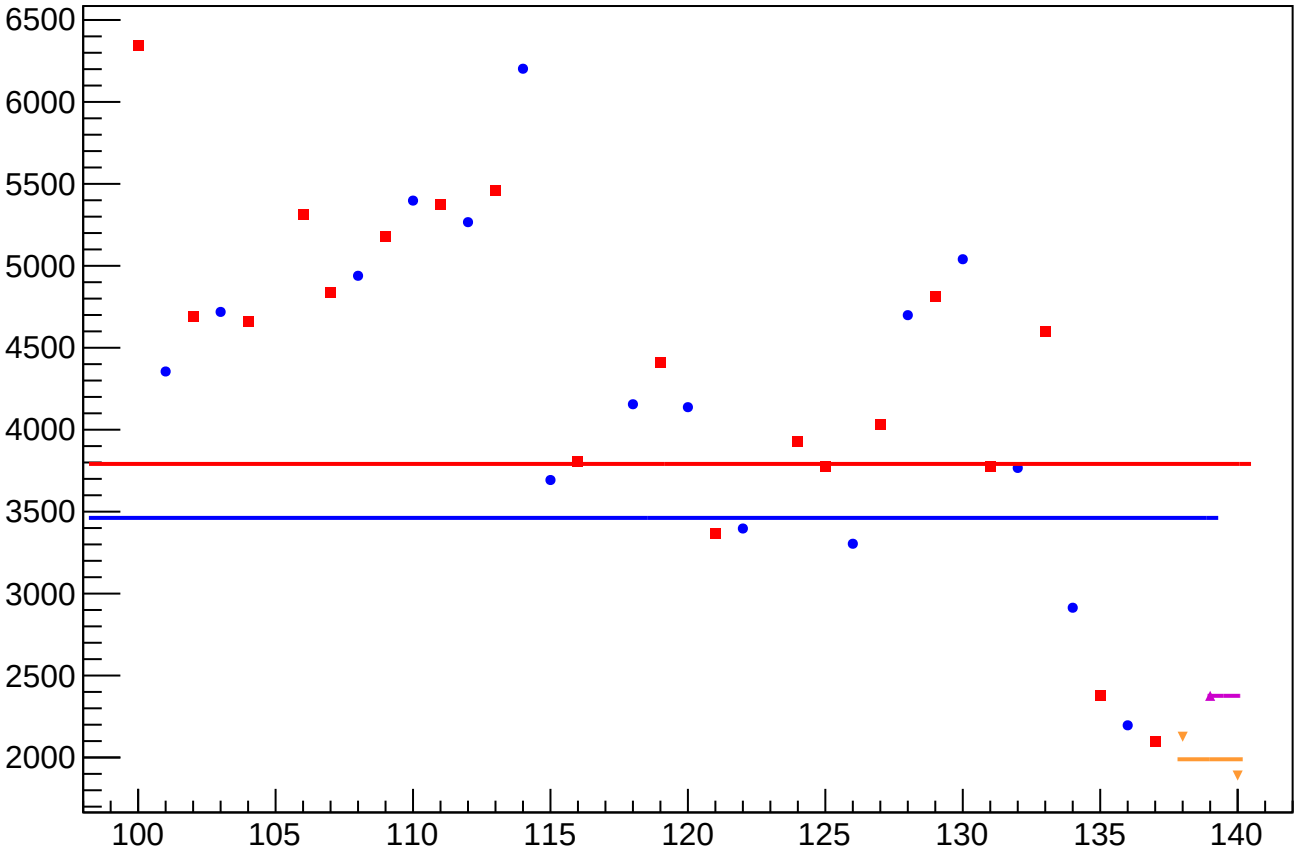
Left: -209.735+/-1344.156 χ^2/NDF: 5.9/2

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -2084.683+/-1199.127 χ^2/NDF:19.2/16

Out: 113.323+/-1063.790 χ^2/NDF:20.3/20

All: -854.693+/-795.778 χ^2/NDF: 41.4/37



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1989.045+/-1.113 χ^2/NDF:11031.6/1

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2376.231+/-1.827 χ^2/NDF:0.0/0

Left: 2093.869+/-0.950 χ^2/NDF: 43795.8/2

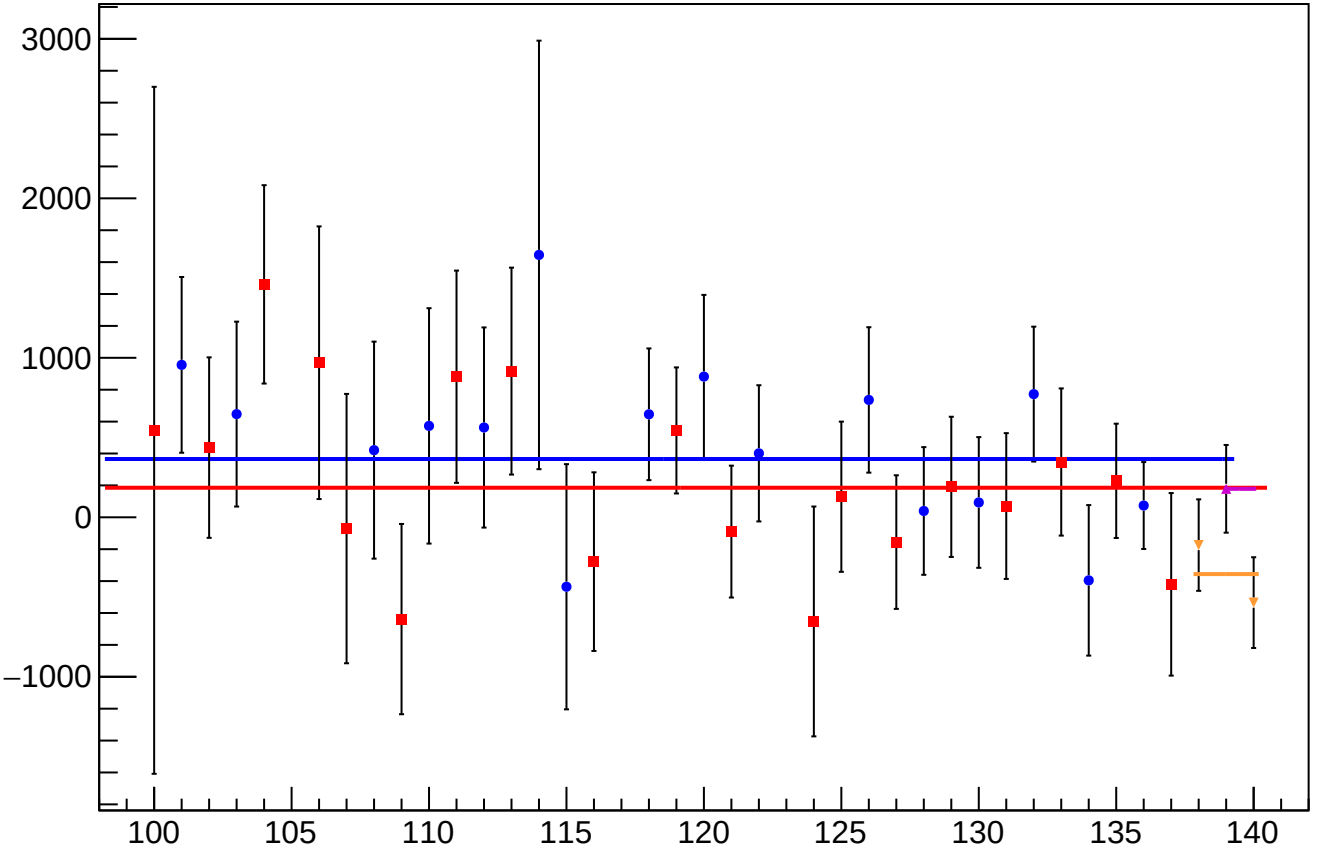
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 3227.999+/-0.848 χ^2/NDF:1586722.9/16

Out: 2968.032+/-0.752 χ^2/NDF:2591042.0/20

All: 3082.523+/-0.563 χ^2/NDF: 4230367.8/37

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -356.096+/-202.032 χ^2/NDF:0.8/1

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: 178.534+/-275.038 χ^2/NDF:0.0/0

Left: -168.724+/-162.824 χ^2/NDF: 3.3/2

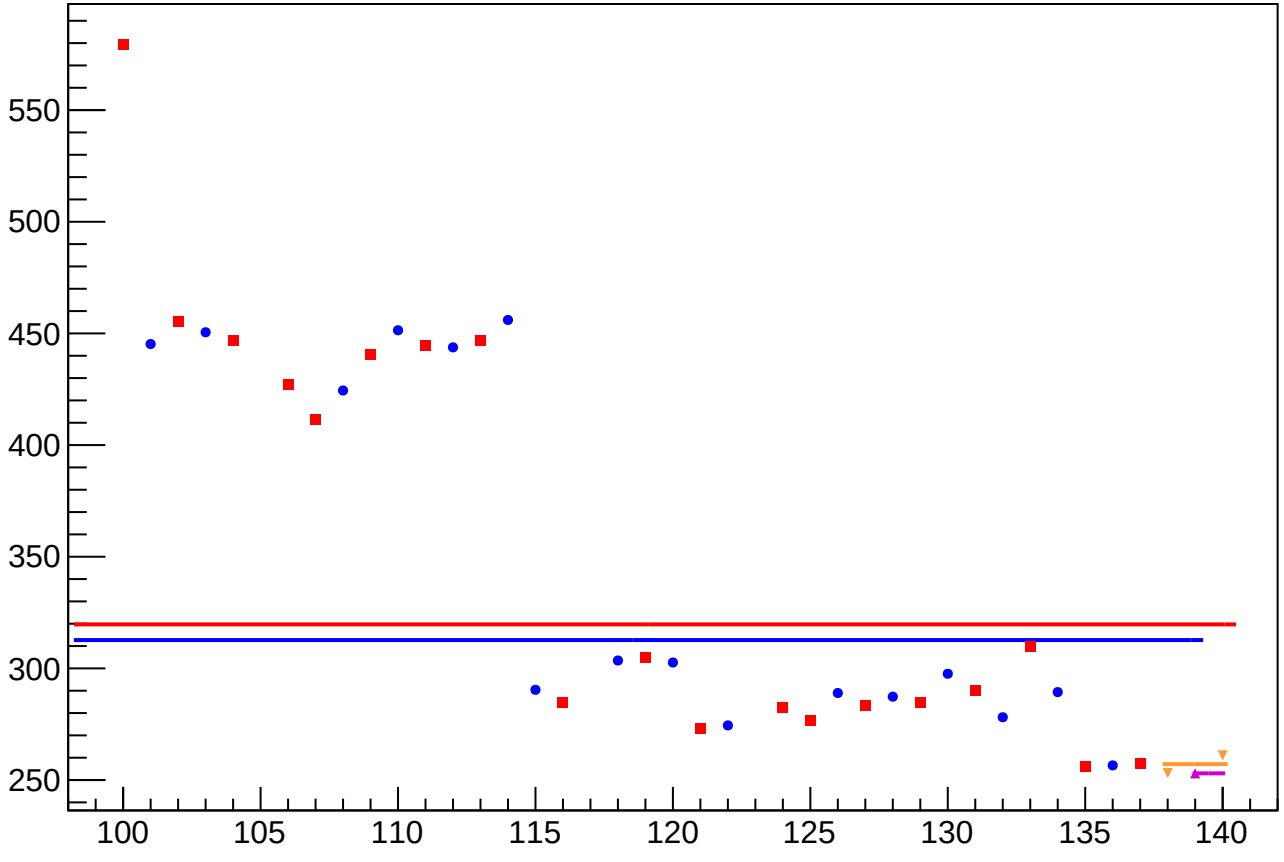
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 336.091+/-109.117 χ^2/NDF:11.9/16

Out: 43.786+/-103.299 χ^2/NDF:21.0/20

All: 181.938+/-75.016 χ^2/NDF: 36.7/37

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 257.130+/-0.143 χ^2/NDF:774.0/1

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 252.992+/-0.194 χ^2/NDF:0.0/0

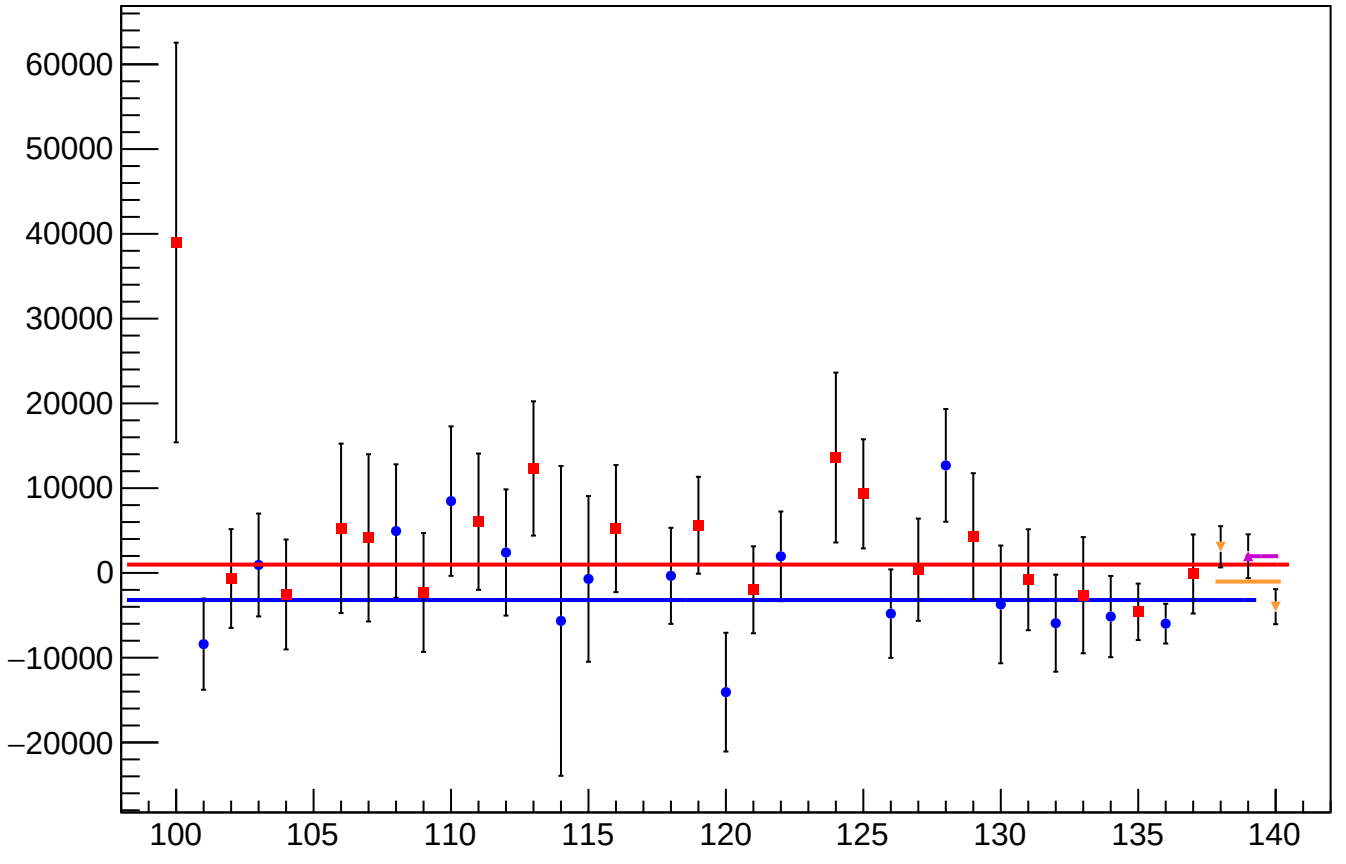
Left: 255.680+/-0.115 χ^2/NDF: 1068.1/2

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 303.288+/-0.077 χ^2/NDF:681582.8/16

Out: 303.337+/-0.073 χ^2/NDF:836134.3/20

All: 303.314+/-0.053 χ^2/NDF: 1517717.4/37



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1019.627+/-1574.007 χ^2/NDF:4.9/1

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 1971.827+/-2583.320 χ^2/NDF:0.0/0

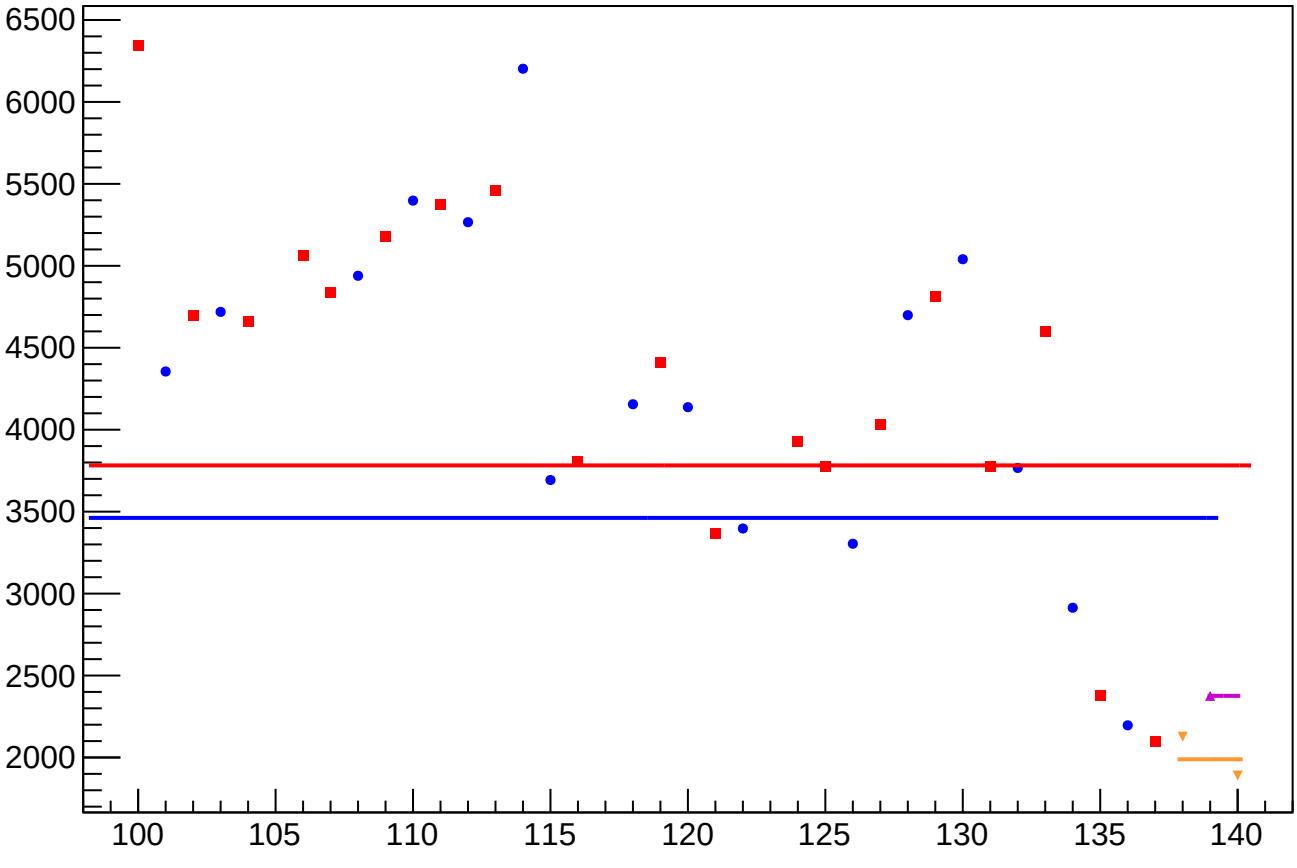
Left: -209.739+/-1344.156 χ^2/NDF: 5.9/2

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -2084.614+/-1199.129 χ^2/NDF:19.2/16

Out: 65.805+/-1064.565 χ^2/NDF:19.7/20

All: -882.024+/-796.104 χ^2/NDF: 40.8/37



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1989.044+/-1.113 χ^2/NDF:11032.0/1

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2376.231+/-1.827 χ^2/NDF:0.0/0

Left: 2093.869+/-0.950 χ^2/NDF: 43796.3/2

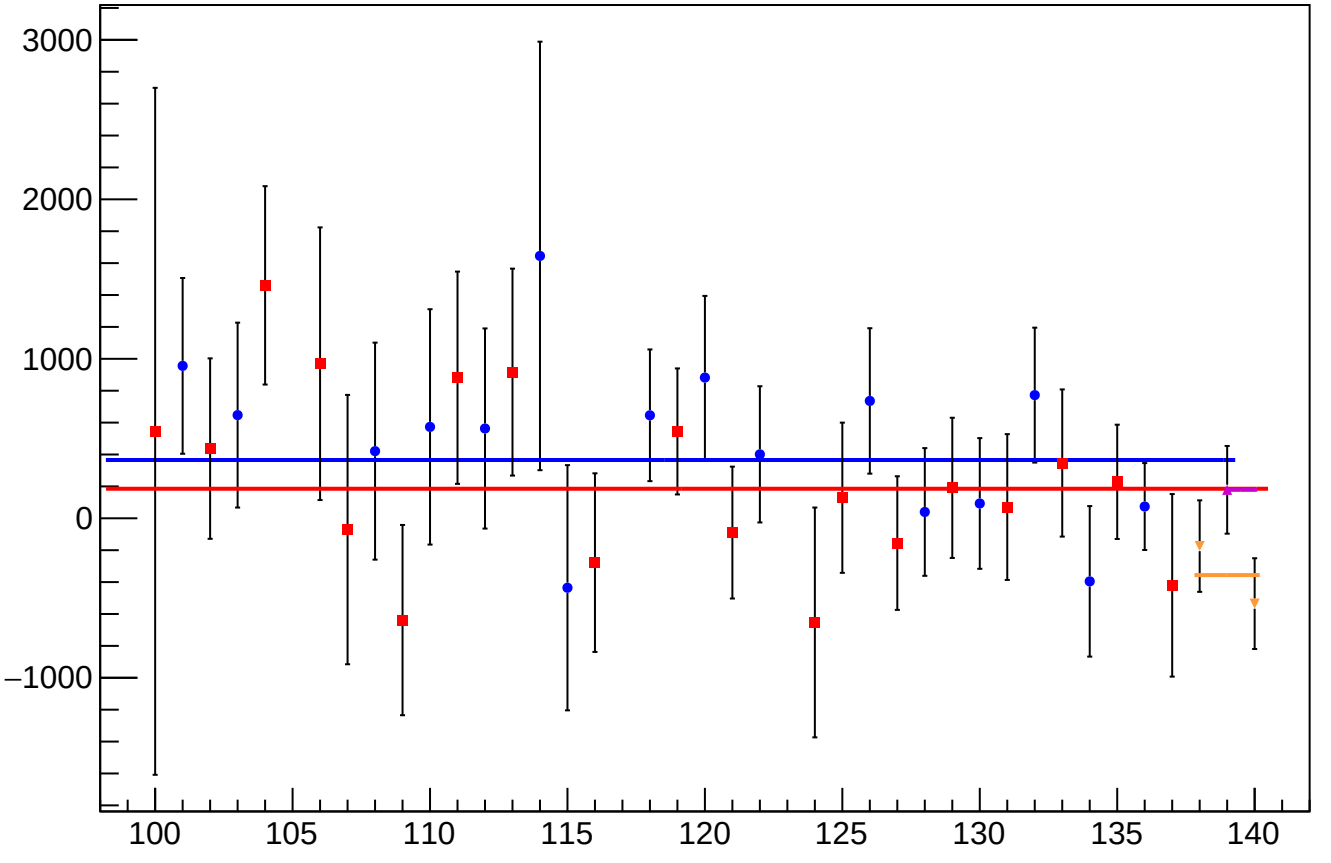
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 3228.002+/-0.848 χ^2/NDF:1586740.7/16

Out: 2961.931+/-0.753 χ^2/NDF:2555662.2/20

All: 3079.205+/-0.563 χ^2/NDF: 4197469.4/37

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -356.096+/-202.032 χ^2/NDF:0.8/1

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: 178.534+/-275.038 χ^2/NDF:0.0/0

Left: -168.724+/-162.824 χ^2/NDF: 3.3/2

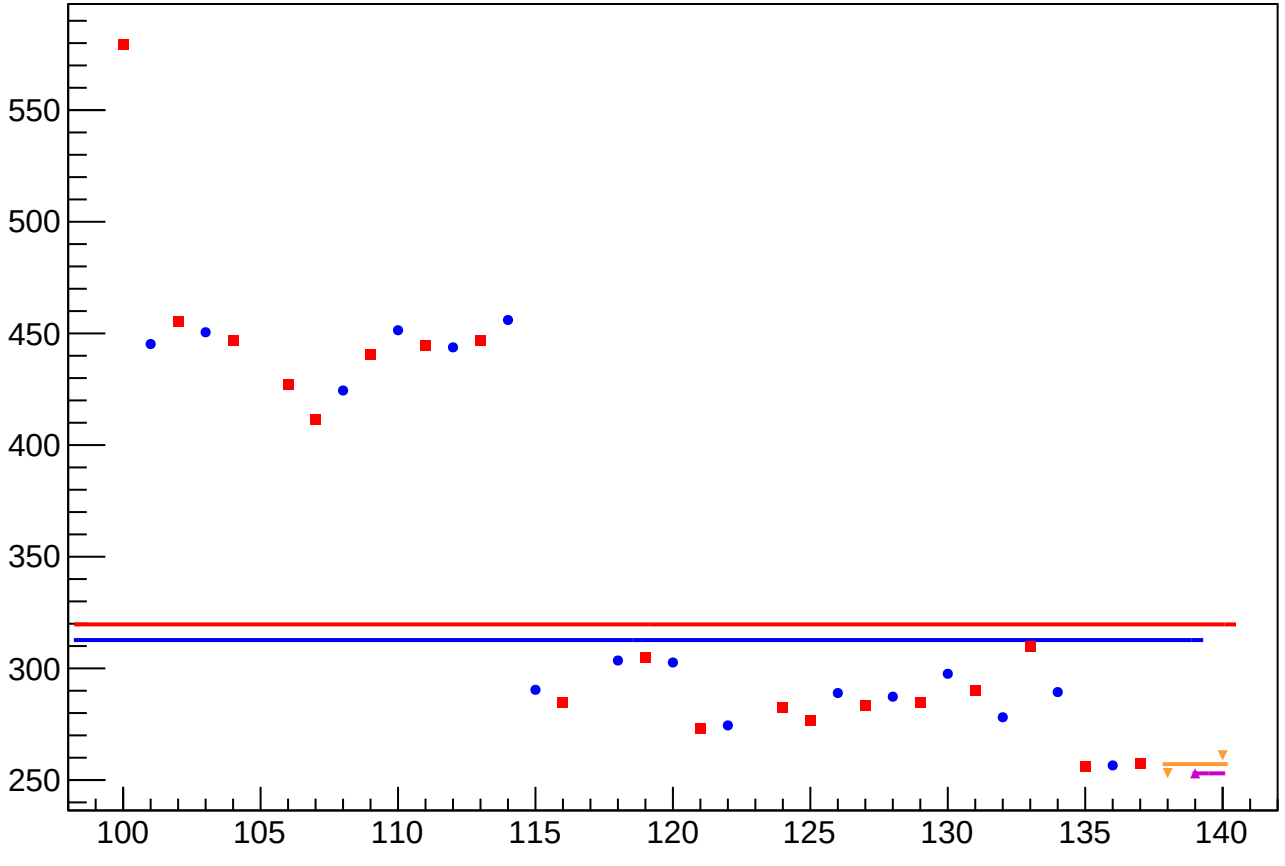
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 336.091+/-109.117 χ^2/NDF:11.9/16

Out: 43.786+/-103.299 χ^2/NDF:21.0/20

All: 181.938+/-75.016 χ^2/NDF: 36.7/37

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 257.130+/-0.143 χ^2/NDF:774.0/1

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 252.992+/-0.194 χ^2/NDF:0.0/0

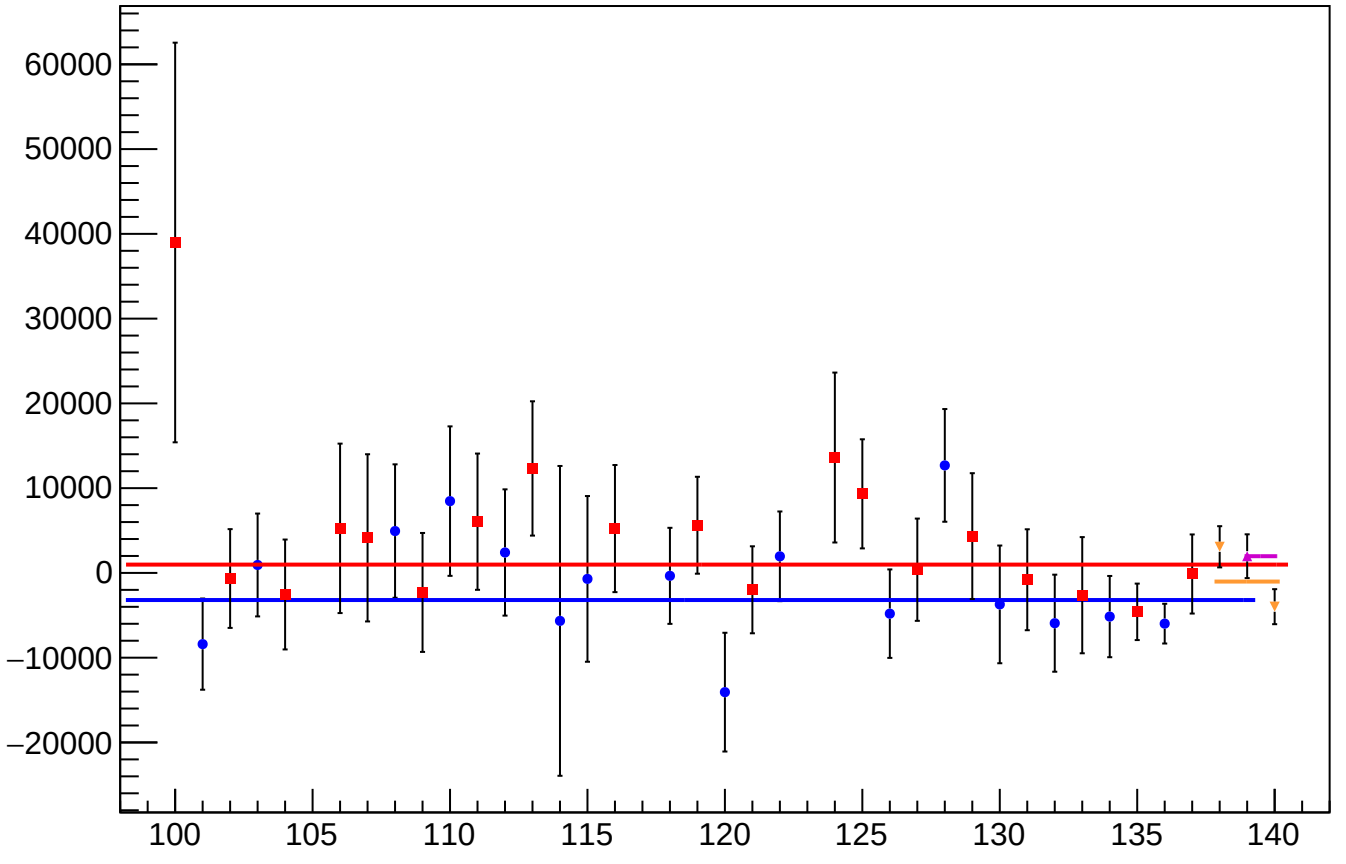
Left: 255.680+/-0.115 χ^2/NDF: 1068.1/2

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 303.288+/-0.077 χ^2/NDF:681582.8/16

Out: 303.337+/-0.073 χ^2/NDF:836134.3/20

All: 303.314+/-0.053 χ^2/NDF: 1517717.4/37



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1019.627+/-1574.007 χ^2/NDF:4.9/1

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 1971.827+/-2583.320 χ^2/NDF:0.0/0

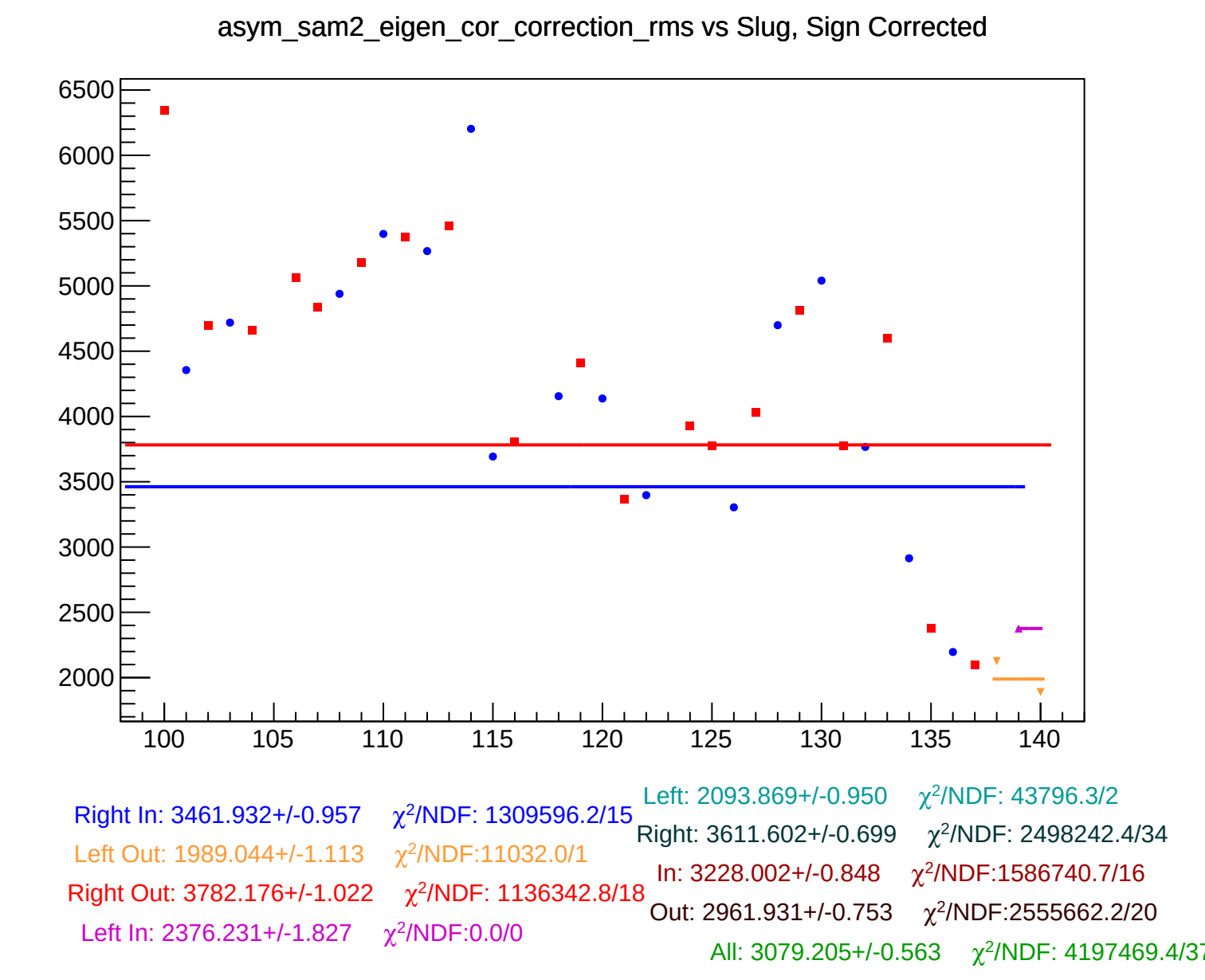
Left: -209.739+/-1344.156 χ^2/NDF: 5.9/2

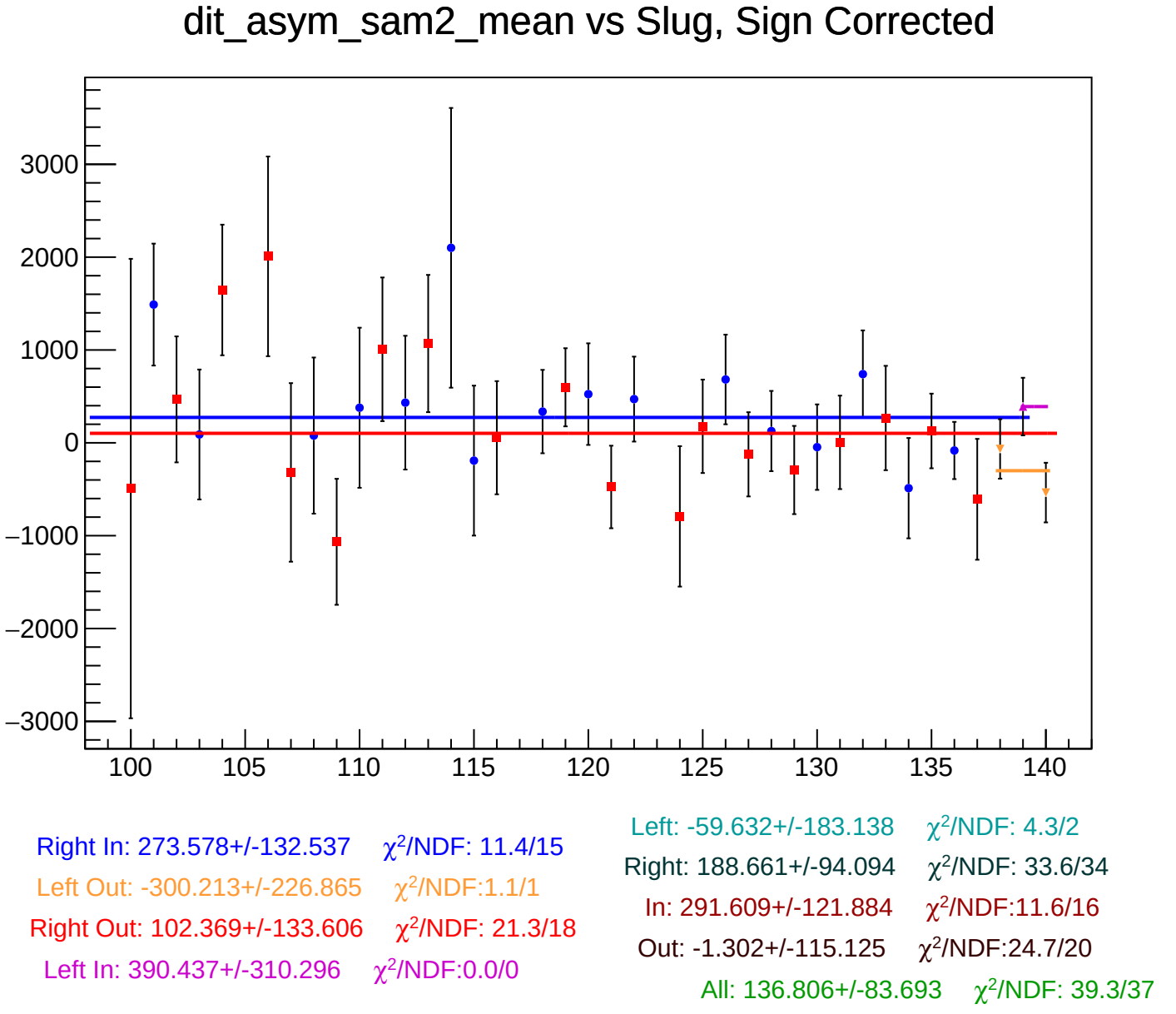
Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -2084.614+/-1199.129 χ^2/NDF:19.2/16

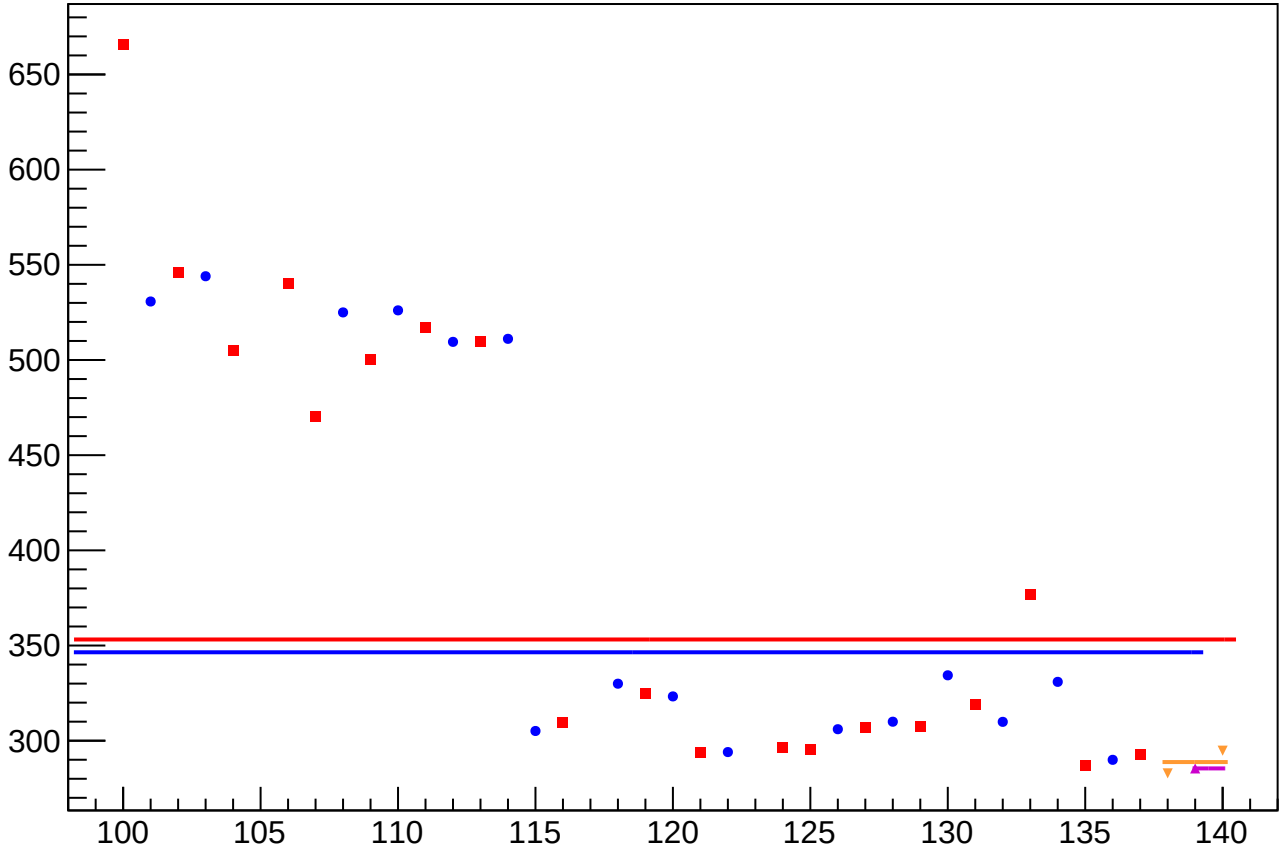
Out: 65.805+/-1064.565 χ^2/NDF:19.7/20

All: -882.024+/-796.104 χ^2/NDF: 40.8/37


asym_sam2_eigen_cor_correction_rms vs Slug, Sign Corrected
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
105
110
115
120
125
130
135
140
Right In: 3461.932+/-0.957 χ²/NDF: 1309596.2/15
Left Out: 1989.044+/-1.113 χ²/NDF:11032.0/1
Right Out: 3782.176+/-1.022 χ²/NDF: 1136342.8/18
Left In: 2376.231+/-1.827 χ²/NDF:0.0/0
Left: 2093.869+/-0.950 χ²/NDF: 43796.3/2
Right: 3611.602+/-0.699 χ²/NDF: 2498242.4/34
In: 3228.002+/-0.848 χ²/NDF:1586740.7/16
Out: 2961.931+/-0.753 χ²/NDF:2555662.2/20
All: 3079.205+/-0.563 χ²/NDF: 4197469.4/37


dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
105
110
115
120
125
130
135
140
Right In: 273.578+/-132.537 χ²/NDF: 11.4/15
Left Out: -300.213+/-226.865 χ²/NDF:1.1/1
Right Out: 102.369+/-133.606 χ²/NDF: 21.3/18
Left In: 390.437+/-310.296 χ²/NDF:0.0/0
Left: -59.632+/-183.138 χ²/NDF: 4.3/2
Right: 188.661+/-94.094 χ²/NDF: 33.6/34
In: 291.609+/-121.884 χ²/NDF:11.6/16
Out: -1.302+/-115.125 χ²/NDF:24.7/20
All: 136.806+/-83.693 χ²/NDF: 39.3/37

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 288.787+/-0.160 χ^2/NDF:1379.9/1

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 285.443+/-0.219 χ^2/NDF:0.0/0

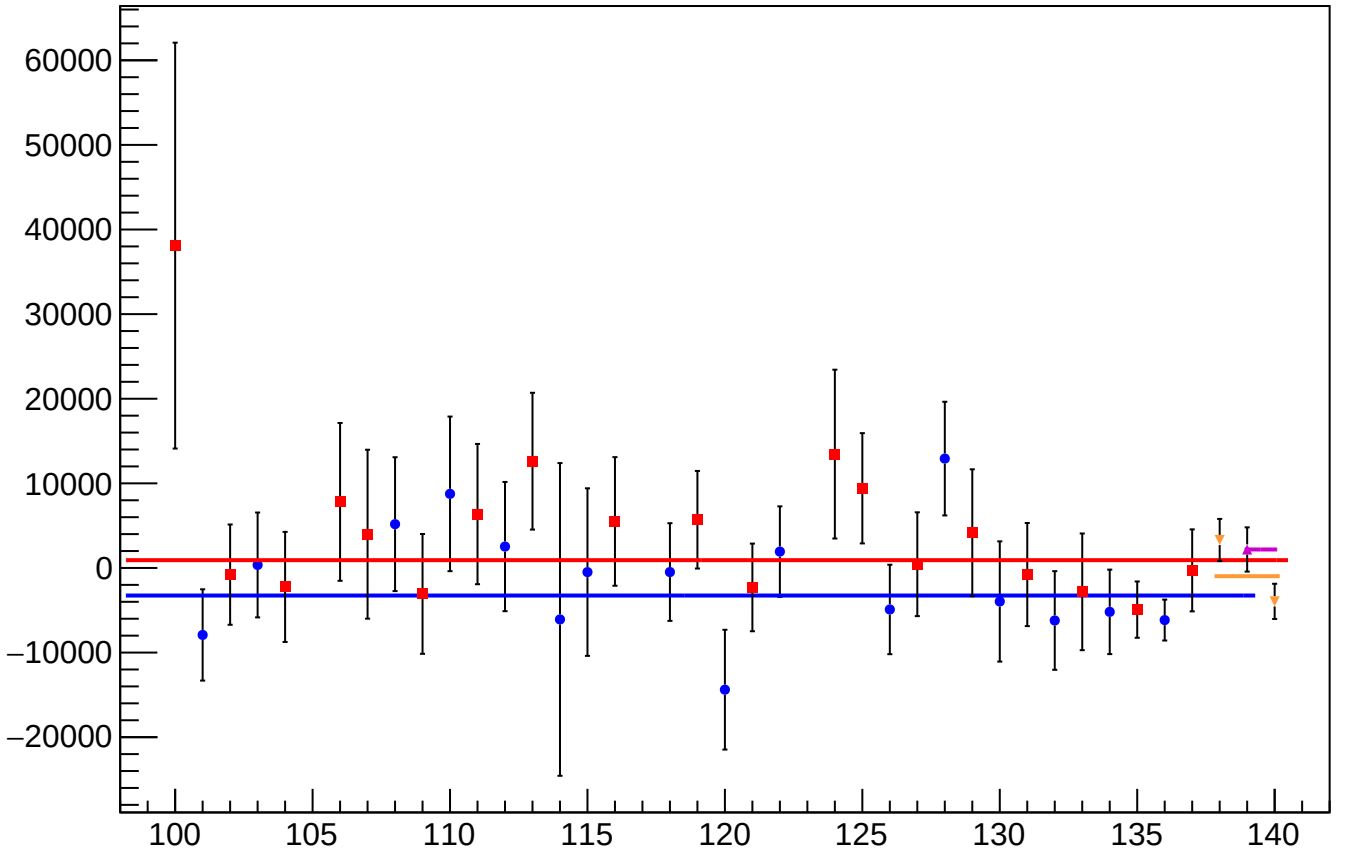
Left: 287.622+/-0.129 χ^2/NDF: 1531.3/2

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 337.041+/-0.086 χ^2/NDF:834154.8/16

Out: 336.596+/-0.081 χ^2/NDF:987370.1/20

All: 336.806+/-0.059 χ^2/NDF: 1821538.9/37



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -972.831+/-1596.973 χ^2/NDF:5.0/1

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 2183.506+/-2614.320 χ^2/NDF:0.0/0

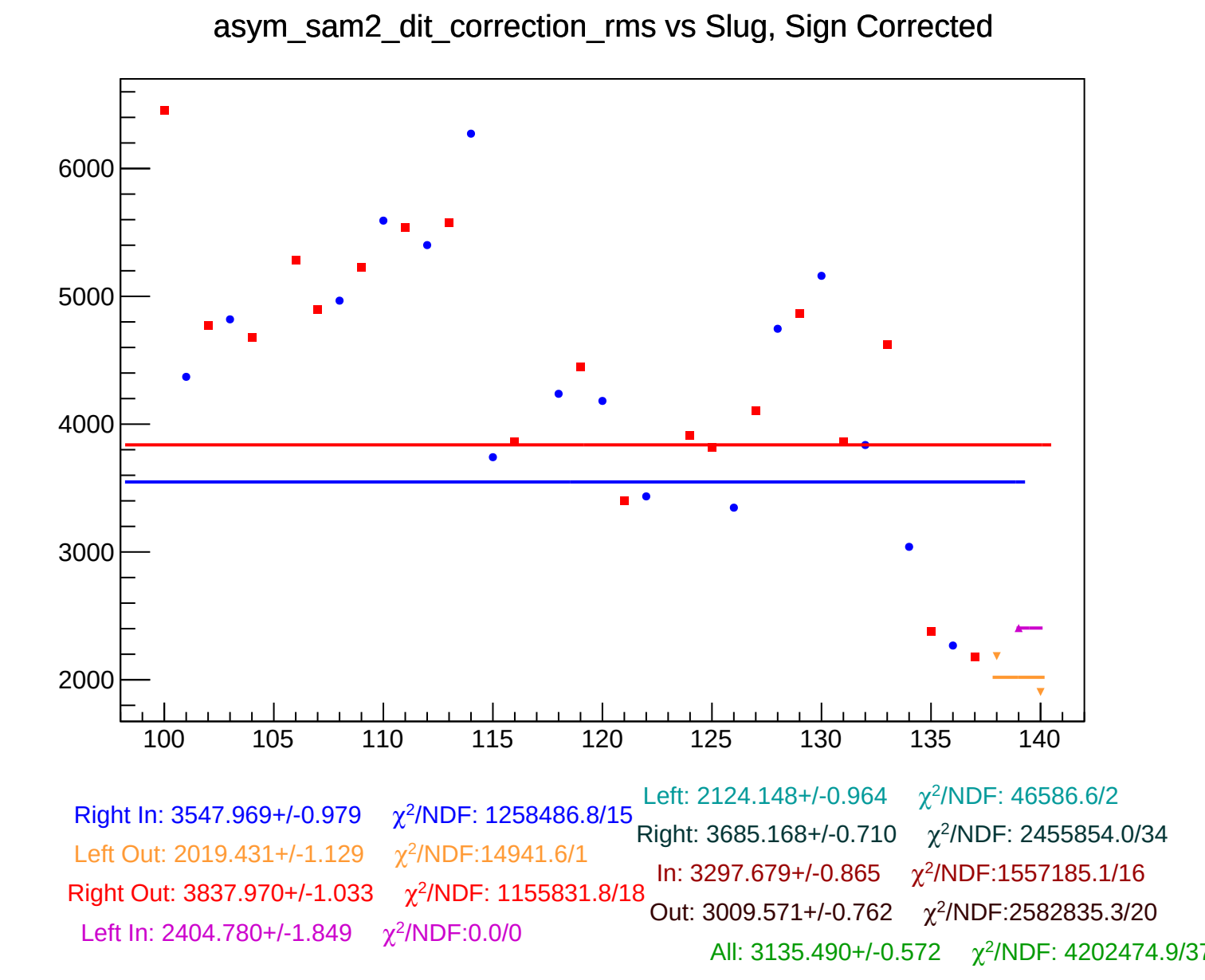
Left: -115.112+/-1362.823 χ^2/NDF: 6.1/2

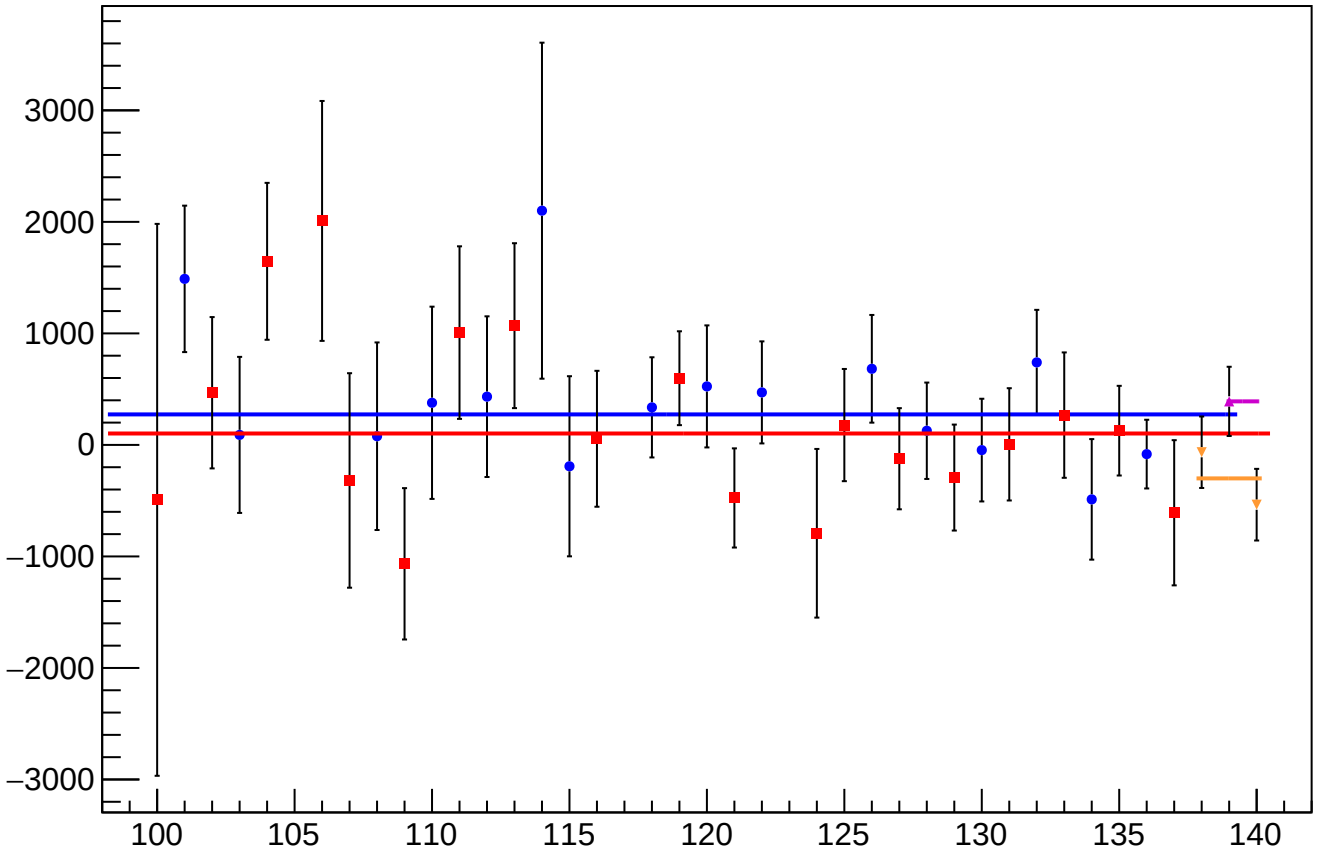
Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -2067.287+/-1223.269 χ^2/NDF:19.4/16

Out: 58.410+/-1077.844 χ^2/NDF:20.4/20

All: -870.634+/-808.704 χ^2/NDF: 41.5/37


asym_sam2_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
140
Right In: 3547.969+/-0.979 χ²/NDF: 1258486.8/15
Left Out: 2019.431+/-1.129 χ²/NDF:14941.6/1
Right Out: 3837.970+/-1.033 χ²/NDF: 1155831.8/18
Left In: 2404.780+/-1.849 χ²/NDF:0.0/0
Left: 2124.148+/-0.964 χ²/NDF: 46586.6/2
Right: 3685.168+/-0.710 χ²/NDF: 2455854.0/34
In: 3297.679+/-0.865 χ²/NDF:1557185.1/16
Out: 3009.571+/-0.762 χ²/NDF:2582835.3/20
All: 3135.490+/-0.572 χ²/NDF: 4202474.9/37



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -300.222+/-226.865 χ^2/NDF:1.1/1

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: 390.426+/-310.295 χ^2/NDF:0.0/0

Left: -59.641+/-183.138 χ^2/NDF: 4.3/2

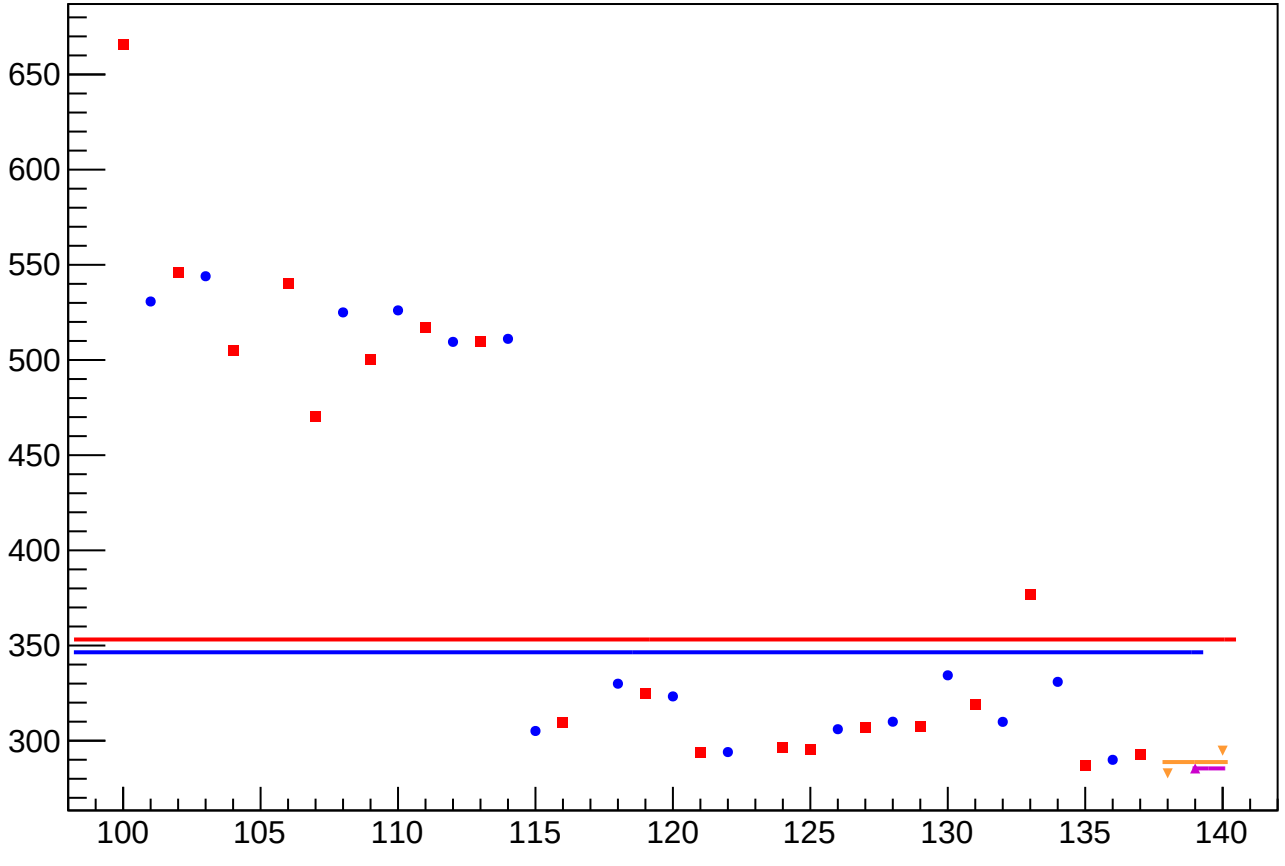
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: 291.610+/-121.884 χ^2/NDF:11.6/16

Out: -1.305+/-115.125 χ^2/NDF:24.7/20

All: 136.806+/-83.693 χ^2/NDF: 39.3/37

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 288.787+/-0.160 χ^2/NDF:1380.1/1

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 285.443+/-0.219 χ^2/NDF:0.0/0

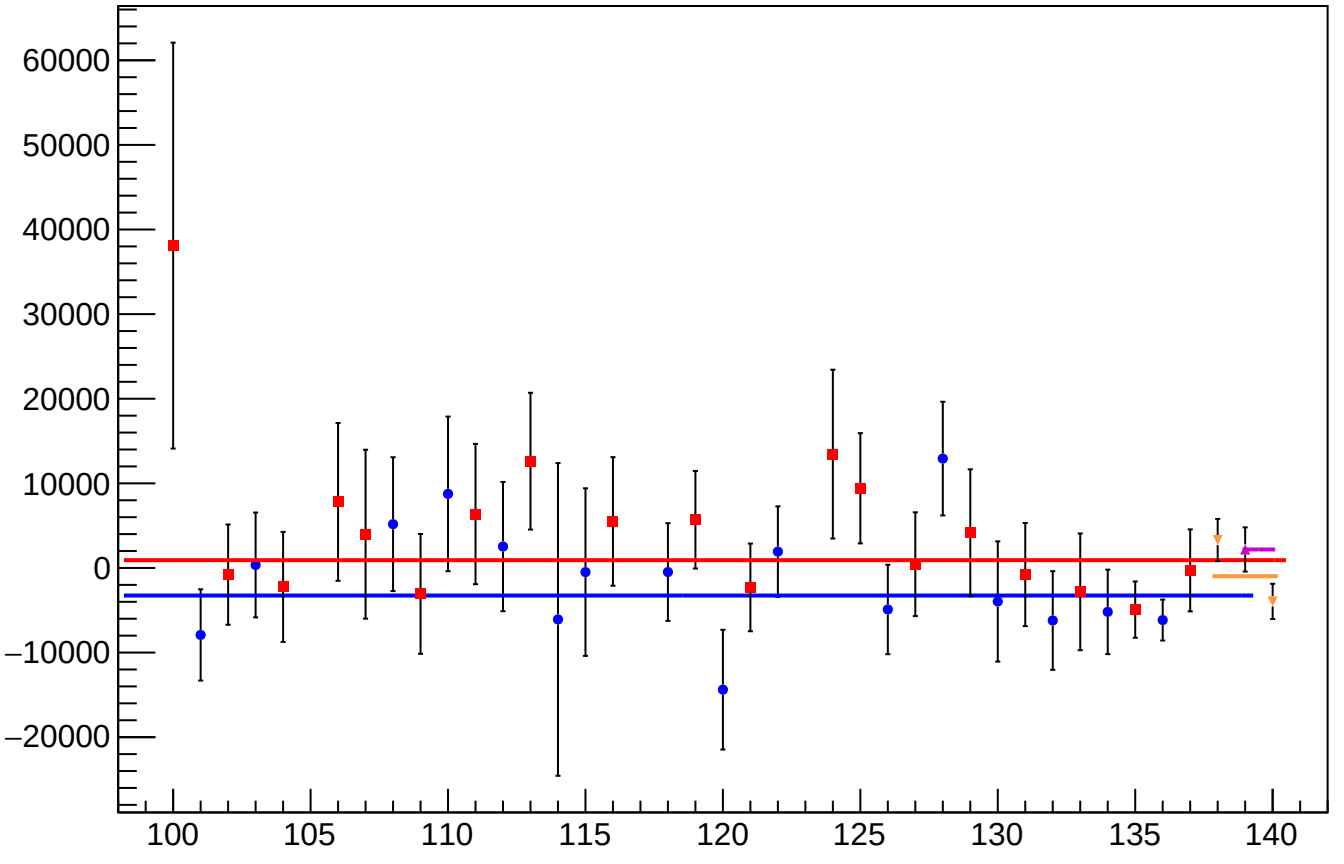
Left: 287.622+/-0.129 χ^2/NDF: 1531.5/2

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 337.040+/-0.086 χ^2/NDF:834143.6/16

Out: 336.595+/-0.081 χ^2/NDF:987356.5/20

All: 336.805+/-0.059 χ^2/NDF: 1821514.1/37



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -972.828+/-1596.972 χ^2/NDF:5.0/1

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: 2183.493+/-2614.311 χ^2/NDF:0.0/0

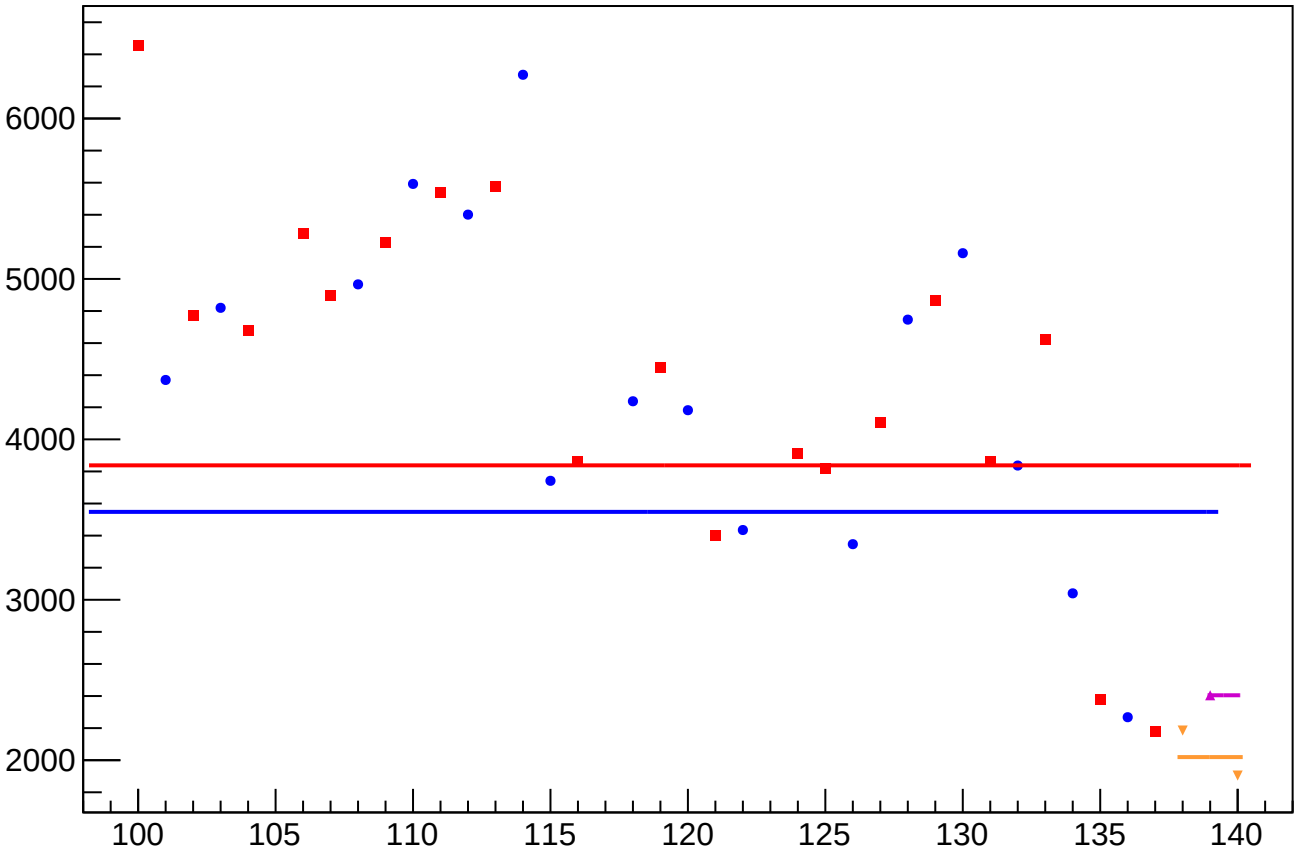
Left: -115.111+/-1362.821 χ^2/NDF: 6.1/2

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -2067.279+/-1223.266 χ^2/NDF:19.4/16

Out: 58.414+/-1077.843 χ^2/NDF:20.4/20

All: -870.629+/-808.702 χ^2/NDF: 41.5/37



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2019.430+/-1.129 χ^2/NDF:14940.8/1

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2404.772+/-1.849 χ^2/NDF:0.0/0

Left: 2124.145+/-0.964 χ^2/NDF: 46584.9/2

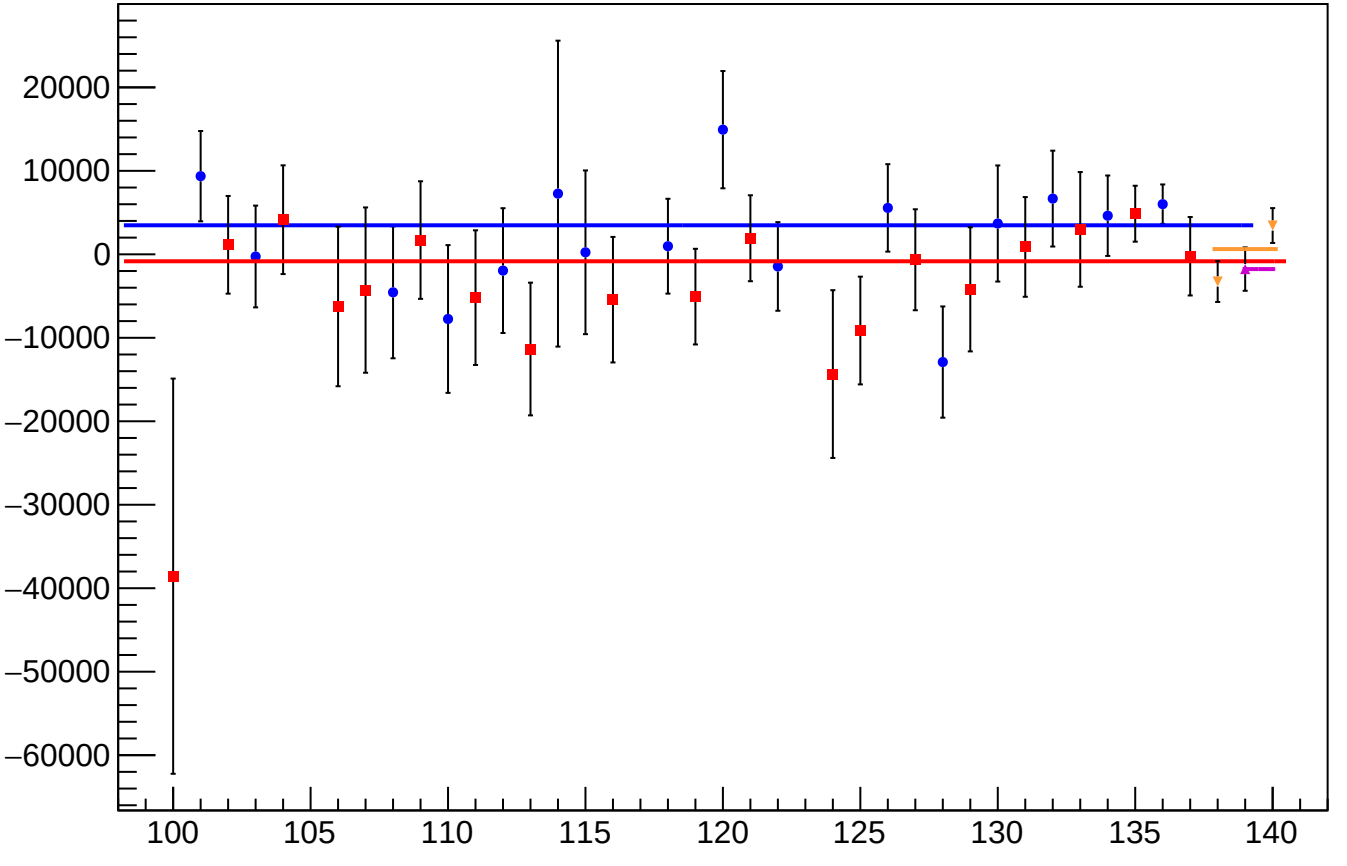
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 3297.674+/-0.865 χ^2/NDF:1557175.4/16

Out: 3009.568+/-0.762 χ^2/NDF:2582823.0/20

All: 3135.486+/-0.572 χ^2/NDF: 4202452.0/37

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 628.509+/-1587.583 χ^2/NDF:4.4/1

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -1768.637+/-2597.955 χ^2/NDF:0.0/0

Left: -23.265+/-1354.669 χ^2/NDF: 5.0/2

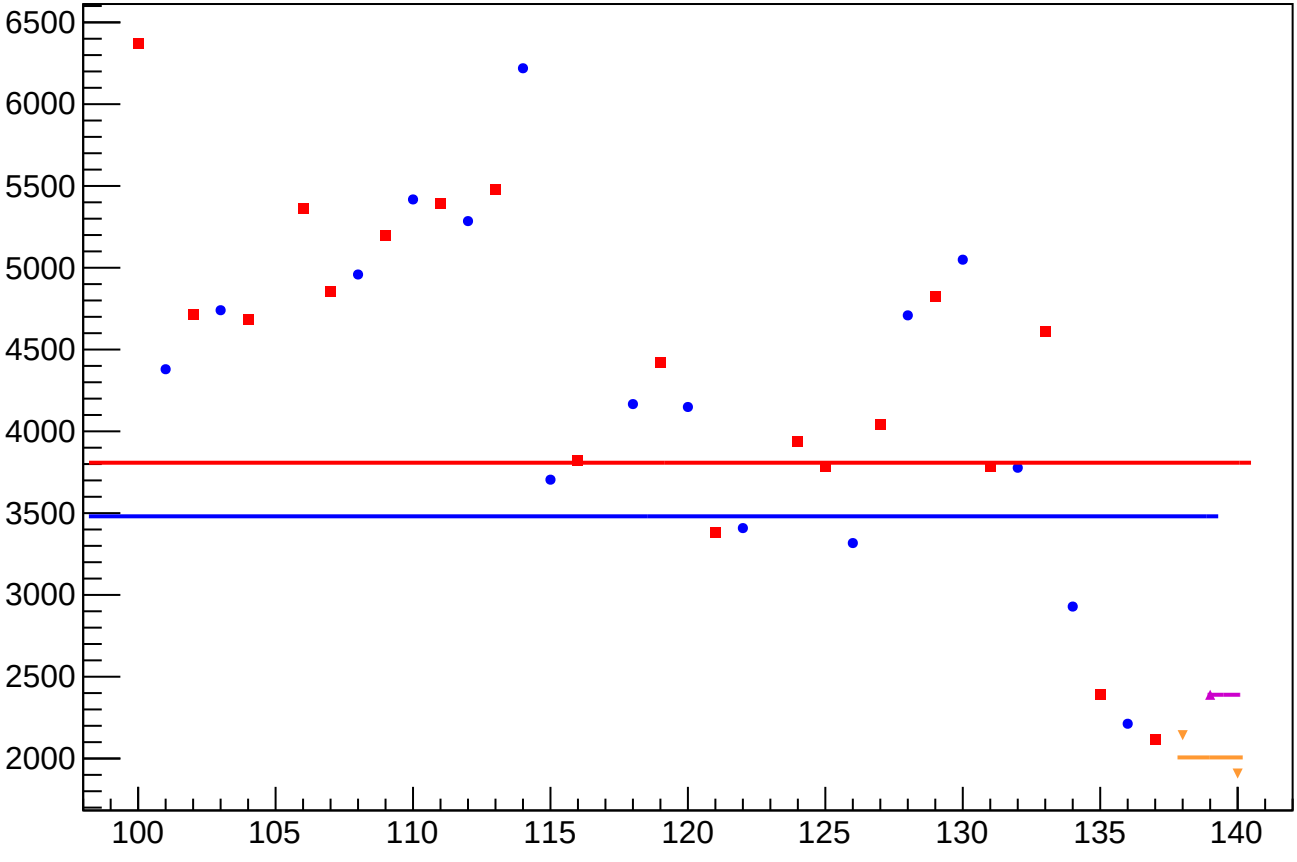
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 2349.301+/-1205.137 χ^2/NDF:19.5/16

Out: -168.255+/-1070.505 χ^2/NDF:18.8/20

All: 942.098+/-800.346 χ^2/NDF: 40.8/37

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2006.624+/-1.123 χ^2/NDF:10629.3/1

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2389.702+/-1.837 χ^2/NDF:0.0/0

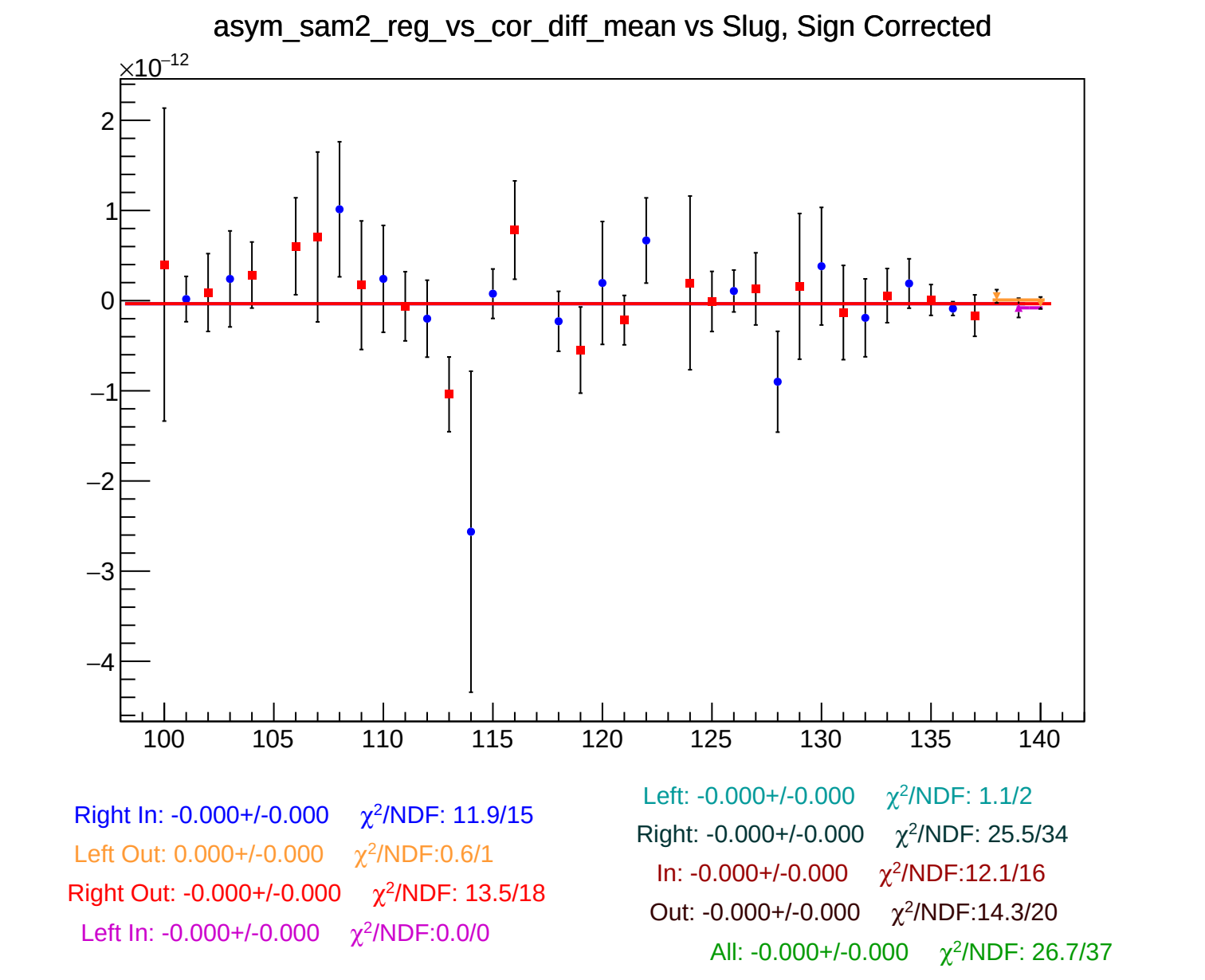
Left: 2110.782+/-0.958 χ^2/NDF: 42291.0/2

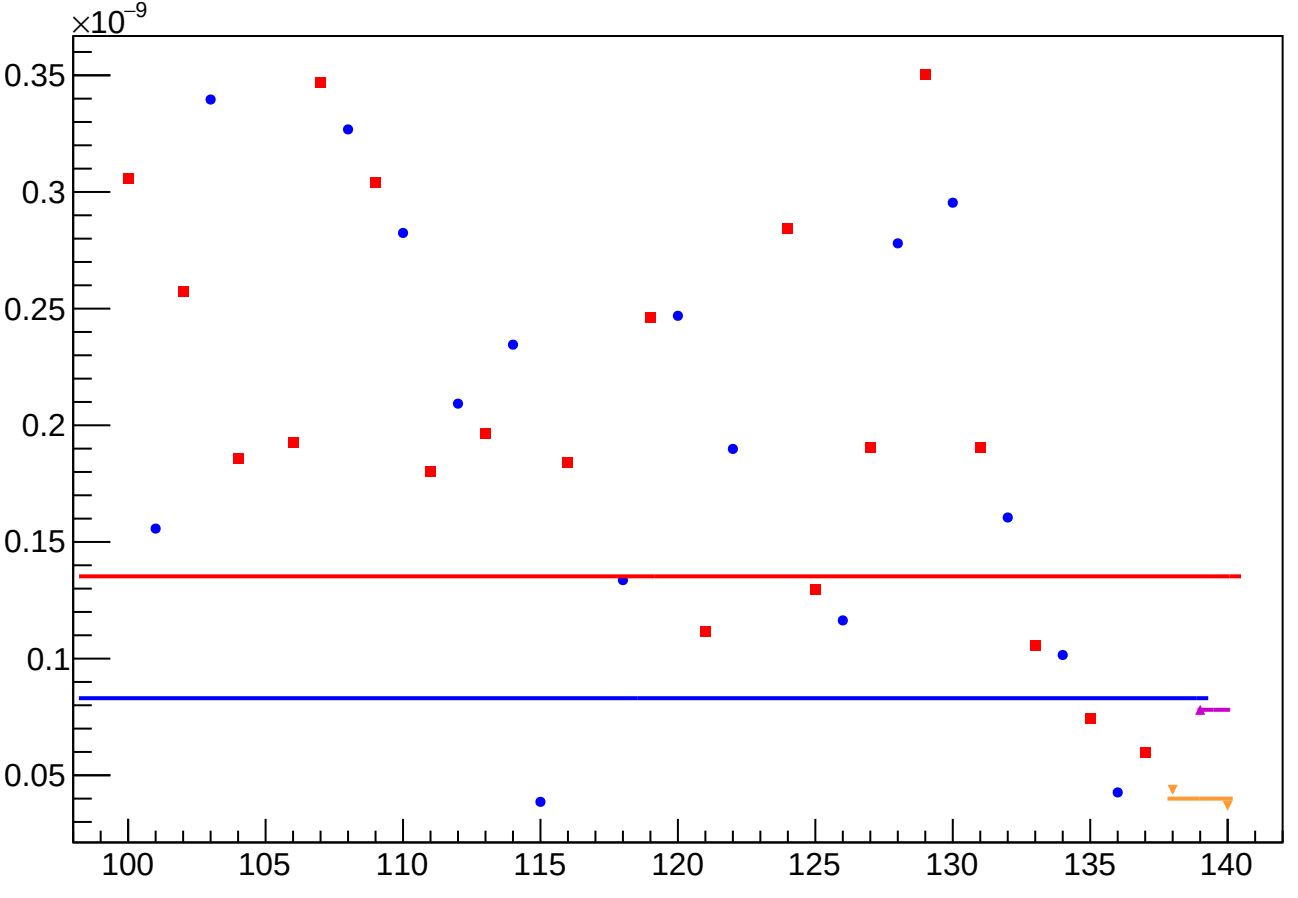
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 3245.824+/-0.852 χ^2/NDF:1573380.7/16

Out: 2989.035+/-0.757 χ^2/NDF:2562593.6/20

All: 3102.290+/-0.566 χ^2/NDF: 4186730.5/37


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:0.6/1
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 1.1/2
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:12.1/16
Out: -0.000+/-0.000 χ²/NDF:14.3/20
All: -0.000+/-0.000 χ²/NDF: 26.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9369.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

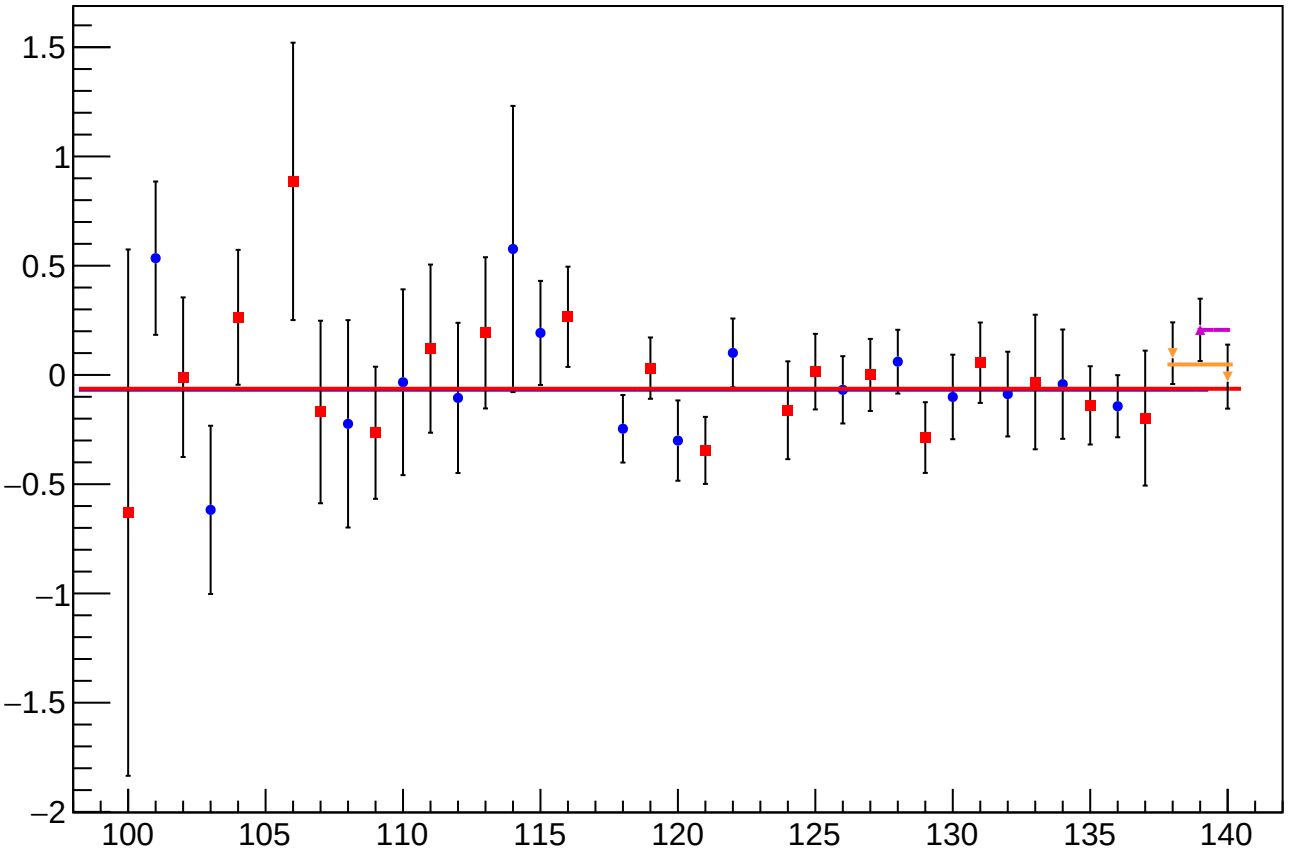
Left: 0.000+/-0.000 χ^2/NDF: 218547.0/2

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:2705606.4/16

Out: 0.000+/-0.000 χ^2/NDF:3297634.8/20

All: 0.000+/-0.000 χ^2/NDF: 6141725.4/37



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.048+/-0.102 χ^2/NDF:0.3/1

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.206+/-0.143 χ^2/NDF:0.0/0

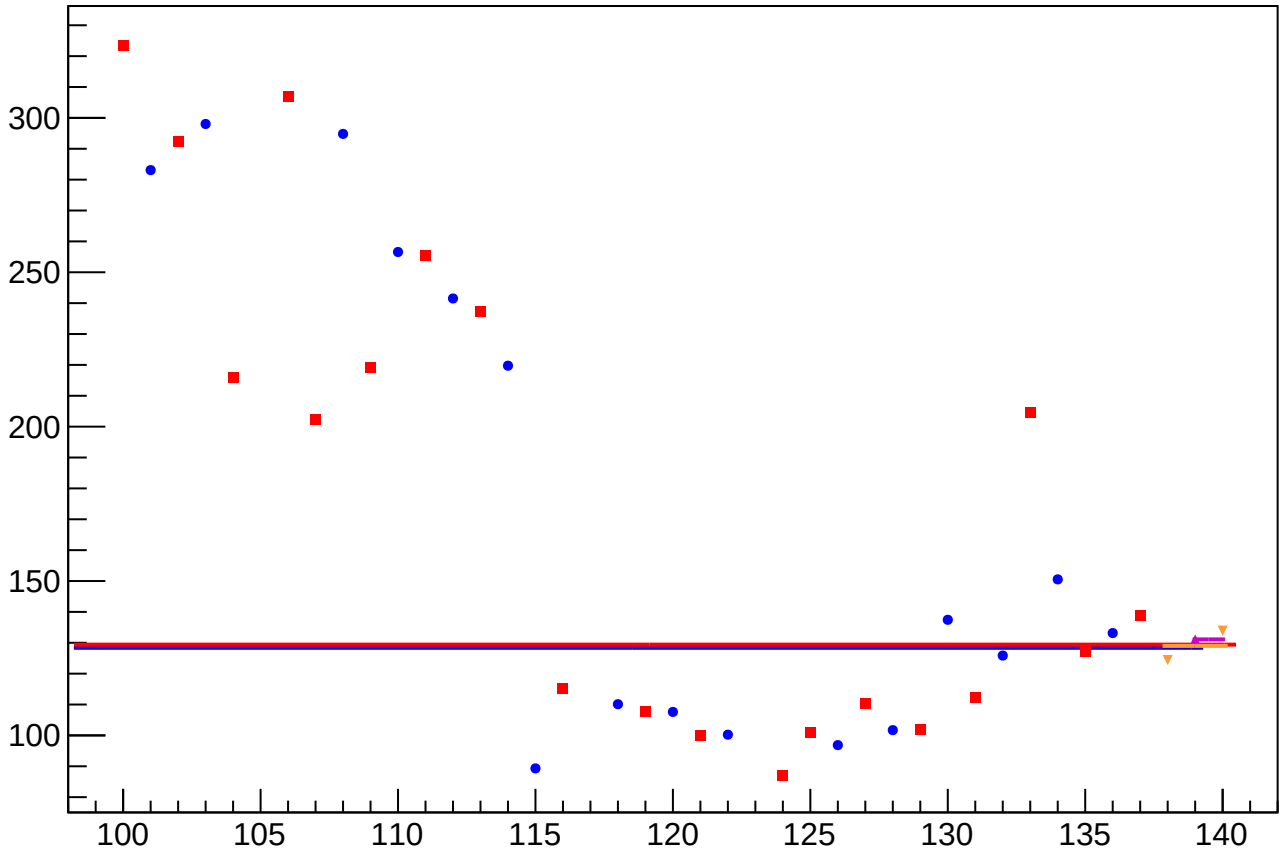
Left: 0.101+/-0.083 χ^2/NDF: 1.1/2

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.035+/-0.049 χ^2/NDF:15.7/16

Out: -0.041+/-0.046 χ^2/NDF:15.3/20

All: -0.038+/-0.033 χ^2/NDF: 31.0/37



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 128.992+/-0.072 χ^2/NDF:4375.1/1

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 131.094+/-0.101 χ^2/NDF:0.0/0

Left: 129.700+/-0.059 χ^2/NDF: 4662.8/2

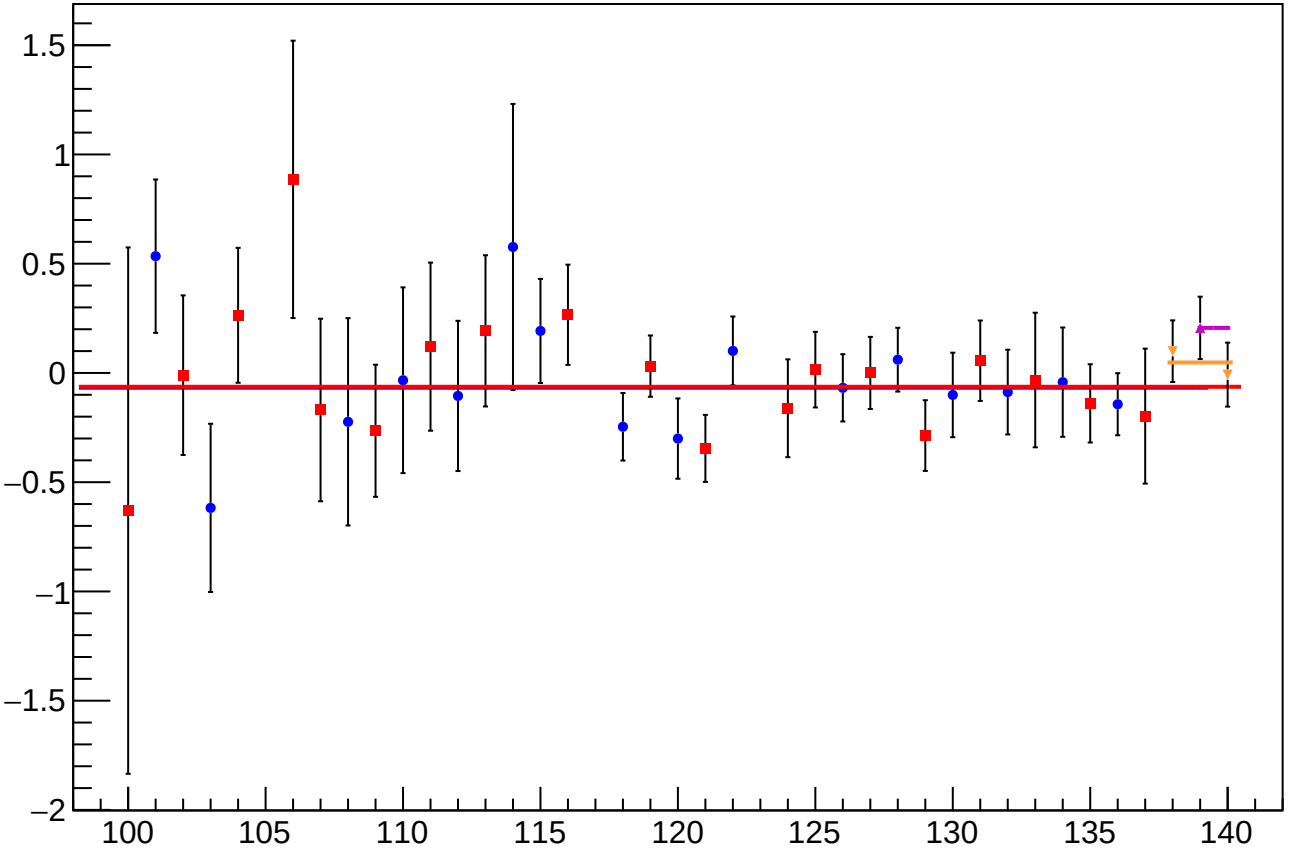
Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 128.695+/-0.034 χ^2/NDF:1805717.8/16

Out: 129.316+/-0.033 χ^2/NDF:1892672.1/20

All: 129.023+/-0.024 χ^2/NDF: 3698561.4/37

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.048+/-0.102 χ^2/NDF:0.3/1

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.206+/-0.143 χ^2/NDF:0.0/0

Left: 0.101+/-0.083 χ^2/NDF: 1.1/2

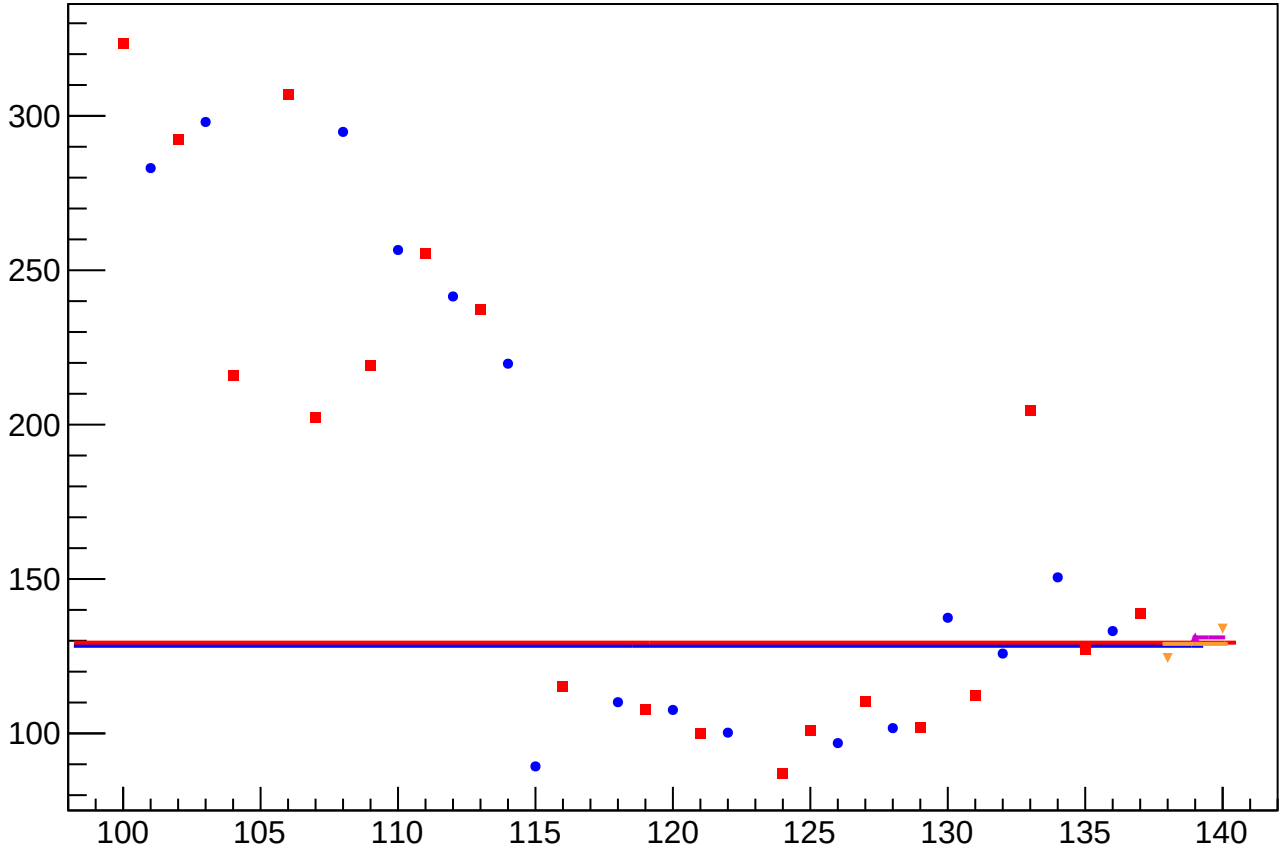
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.035+/-0.049 χ^2/NDF:15.7/16

Out: -0.041+/-0.046 χ^2/NDF:15.3/20

All: -0.038+/-0.033 χ^2/NDF: 31.0/37

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 128.992+/-0.072 χ^2/NDF:4375.1/1

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 131.094+/-0.101 χ^2/NDF:0.0/0

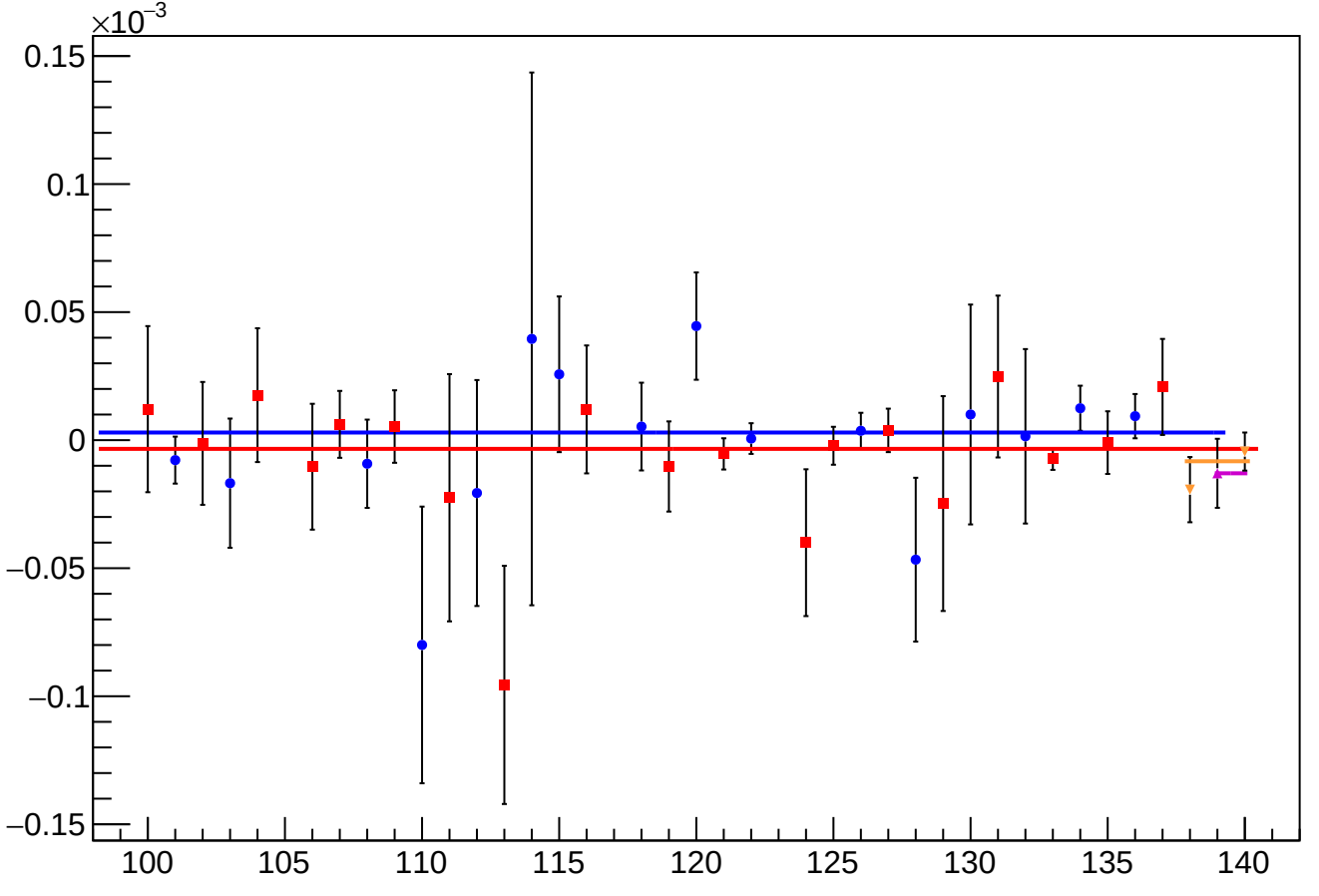
Left: 129.700+/-0.059 χ^2/NDF: 4662.8/2

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 128.695+/-0.034 χ^2/NDF:1805717.8/16

Out: 129.316+/-0.033 χ^2/NDF:1892672.1/20

All: 129.023+/-0.024 χ^2/NDF: 3698561.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

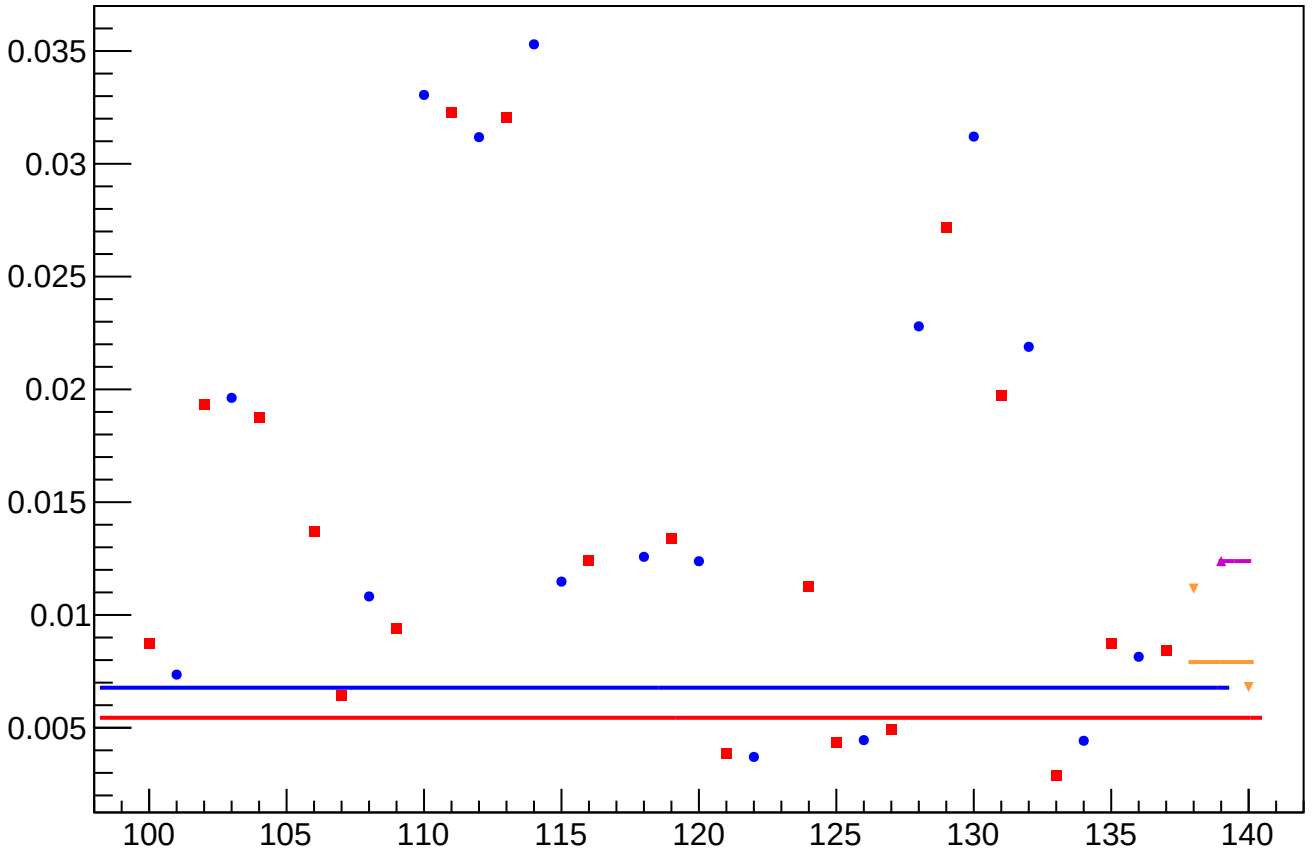
Left: -0.000+/-0.000 χ^2/NDF: 1.1/2

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:15.4/16

Out: -0.000+/-0.000 χ^2/NDF:14.1/20

All: -0.000+/-0.000 χ^2/NDF: 32.1/37



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:175113.4/1

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.012+/-0.000 χ^2/NDF:0.0/0

Left: 0.009+/-0.000 χ^2/NDF: 354845.9/2

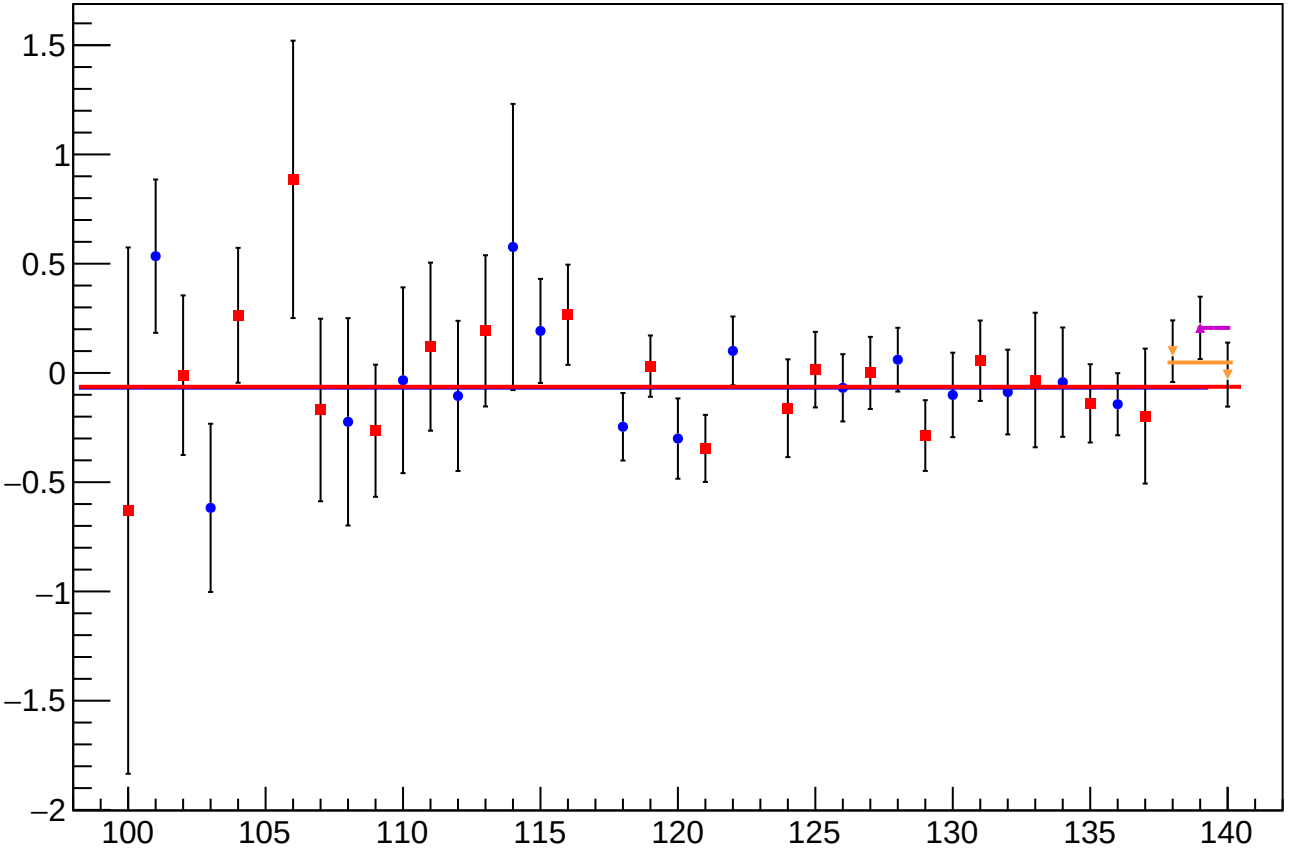
Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:5101446.1/16

Out: 0.006+/-0.000 χ^2/NDF:6001856.0/20

All: 0.006+/-0.000 χ^2/NDF: 11318018.3/37

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: 0.048+/-0.102 χ^2/NDF:0.3/1

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.206+/-0.143 χ^2/NDF:0.0/0

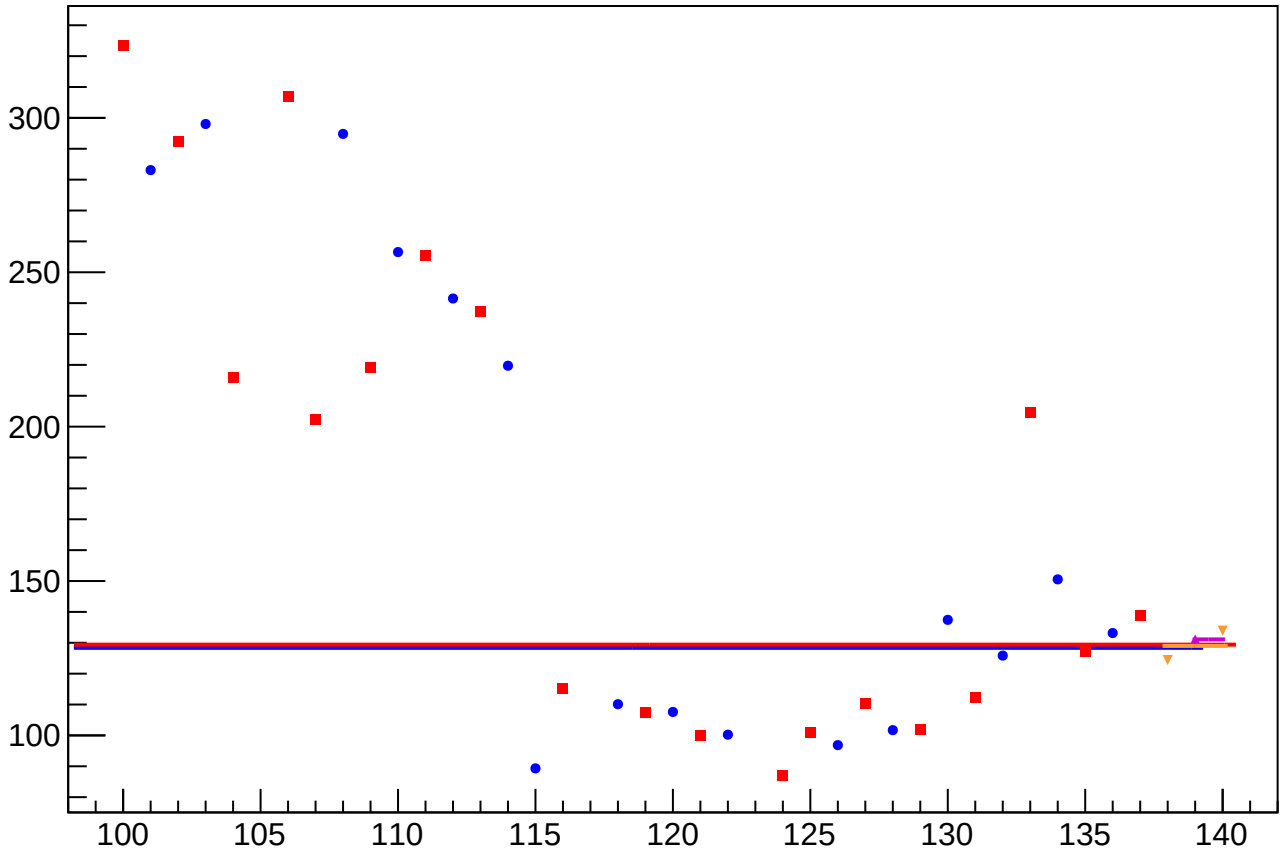
Left: 0.101+/-0.083 χ^2/NDF: 1.1/2

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.035+/-0.049 χ^2/NDF:15.7/16

Out: -0.041+/-0.046 χ^2/NDF:15.3/20

All: -0.038+/-0.033 χ^2/NDF: 31.0/37



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 128.992+/-0.072 χ^2/NDF:4377.0/1

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 131.093+/-0.101 χ^2/NDF:0.0/0

Left: 129.699+/-0.059 χ^2/NDF: 4664.6/2

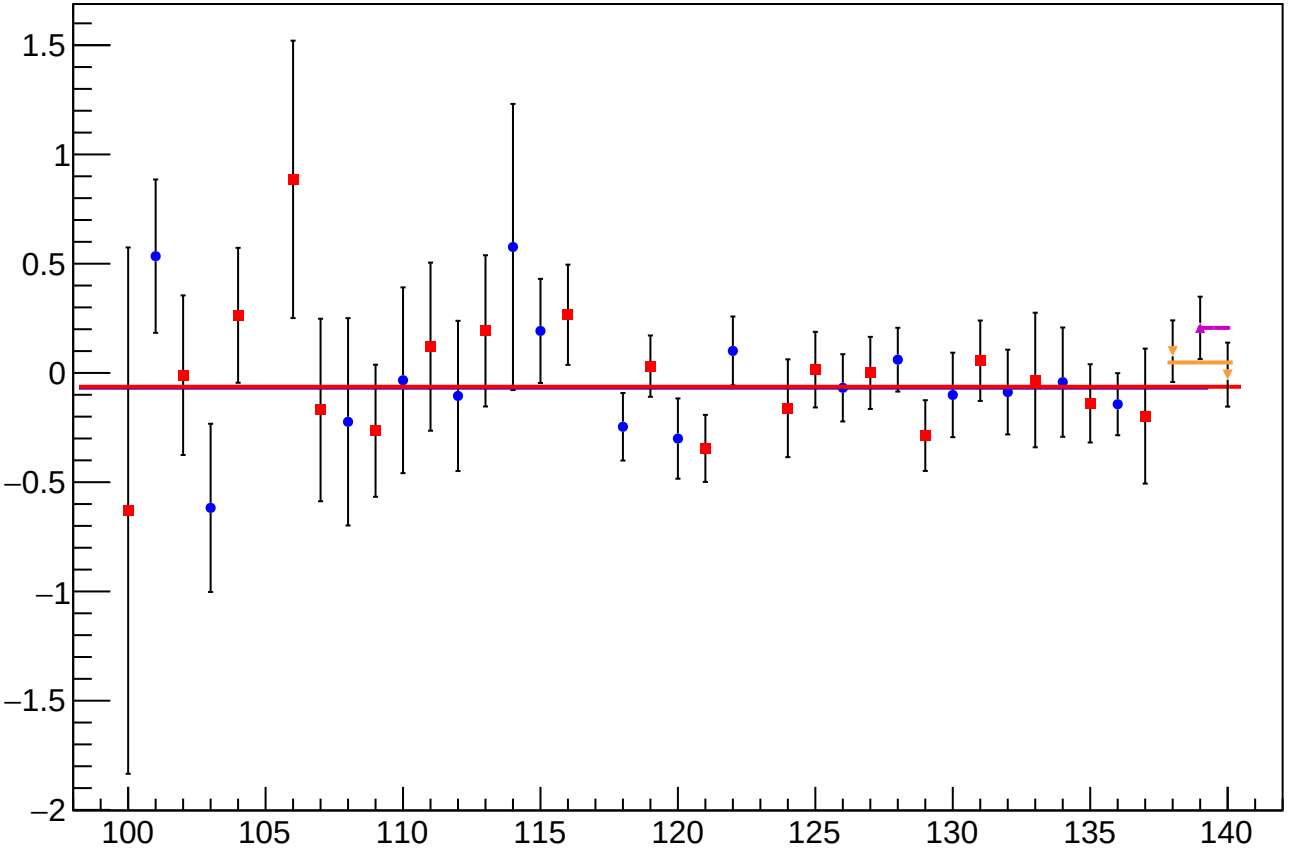
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 128.693+/-0.034 χ^2/NDF:1805666.8/16

Out: 129.313+/-0.033 χ^2/NDF:1892675.0/20

All: 129.020+/-0.024 χ^2/NDF: 3698513.4/37

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: 0.048+/-0.102 χ^2/NDF:0.3/1

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.206+/-0.143 χ^2/NDF:0.0/0

Left: 0.101+/-0.083 χ^2/NDF: 1.1/2

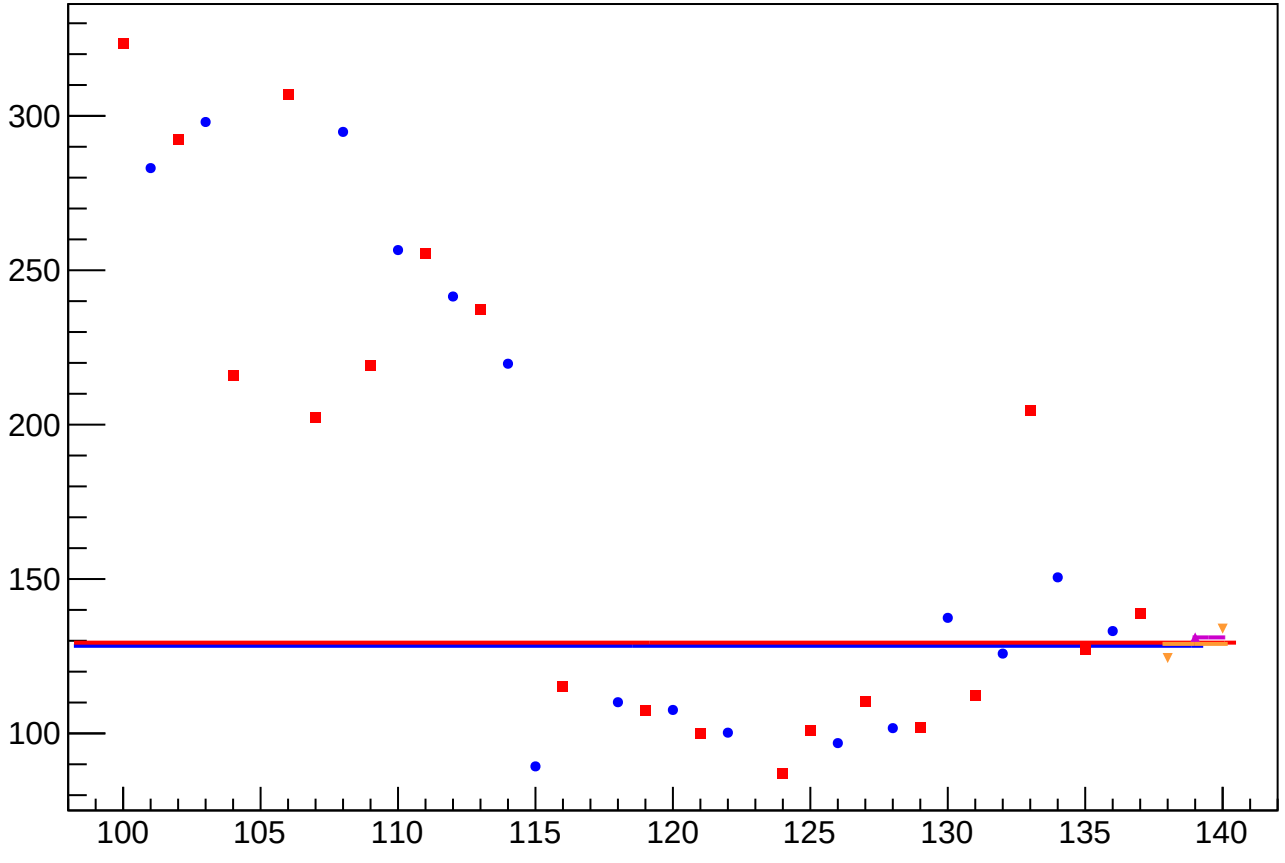
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.035+/-0.049 χ^2/NDF:15.7/16

Out: -0.041+/-0.046 χ^2/NDF:15.3/20

All: -0.038+/-0.033 χ^2/NDF: 31.0/37

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 128.992+/-0.072 χ^2/NDF:4377.0/1

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 131.093+/-0.101 χ^2/NDF:0.0/0

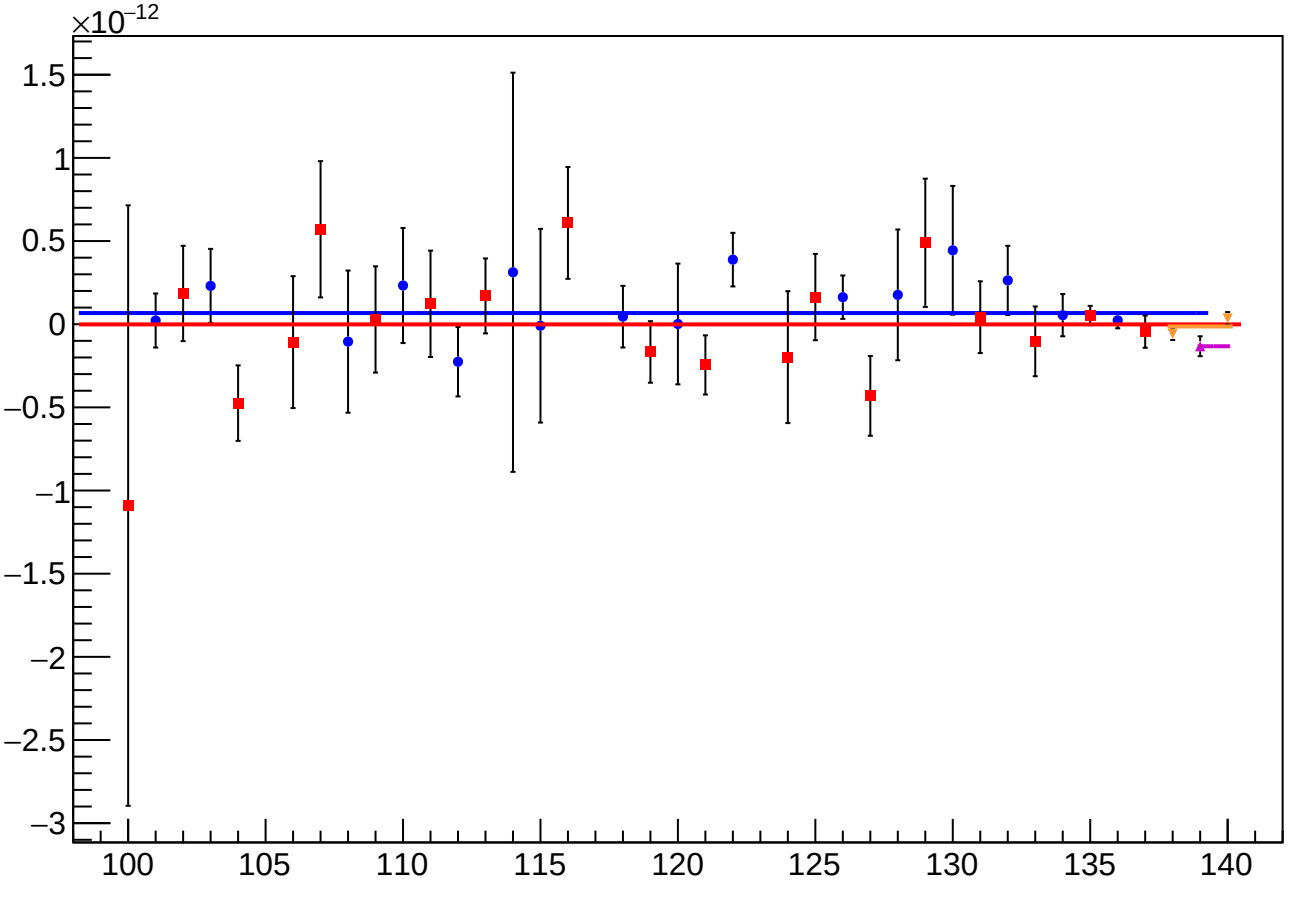
Left: 129.699+/-0.059 χ^2/NDF: 4664.6/2

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 128.693+/-0.034 χ^2/NDF:1805666.8/16

Out: 129.313+/-0.033 χ^2/NDF:1892675.0/20

All: 129.020+/-0.024 χ^2/NDF: 3698513.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

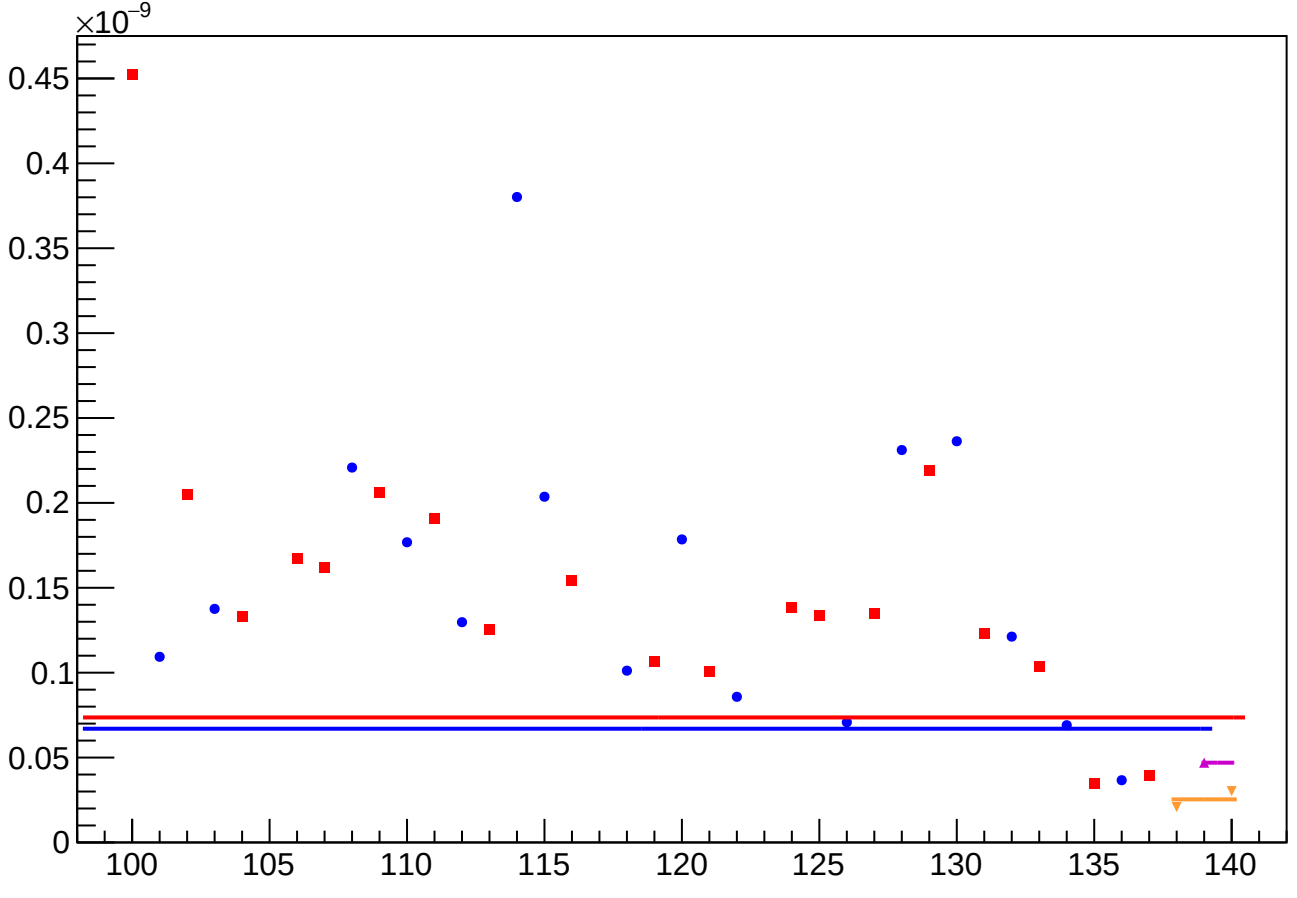
Left: -0.000+/-0.000 χ^2/NDF: 6.4/2

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:18.5/16

Out: -0.000+/-0.000 χ^2/NDF:23.8/20

All: -0.000+/-0.000 χ^2/NDF: 42.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:62302.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 279593.5/2

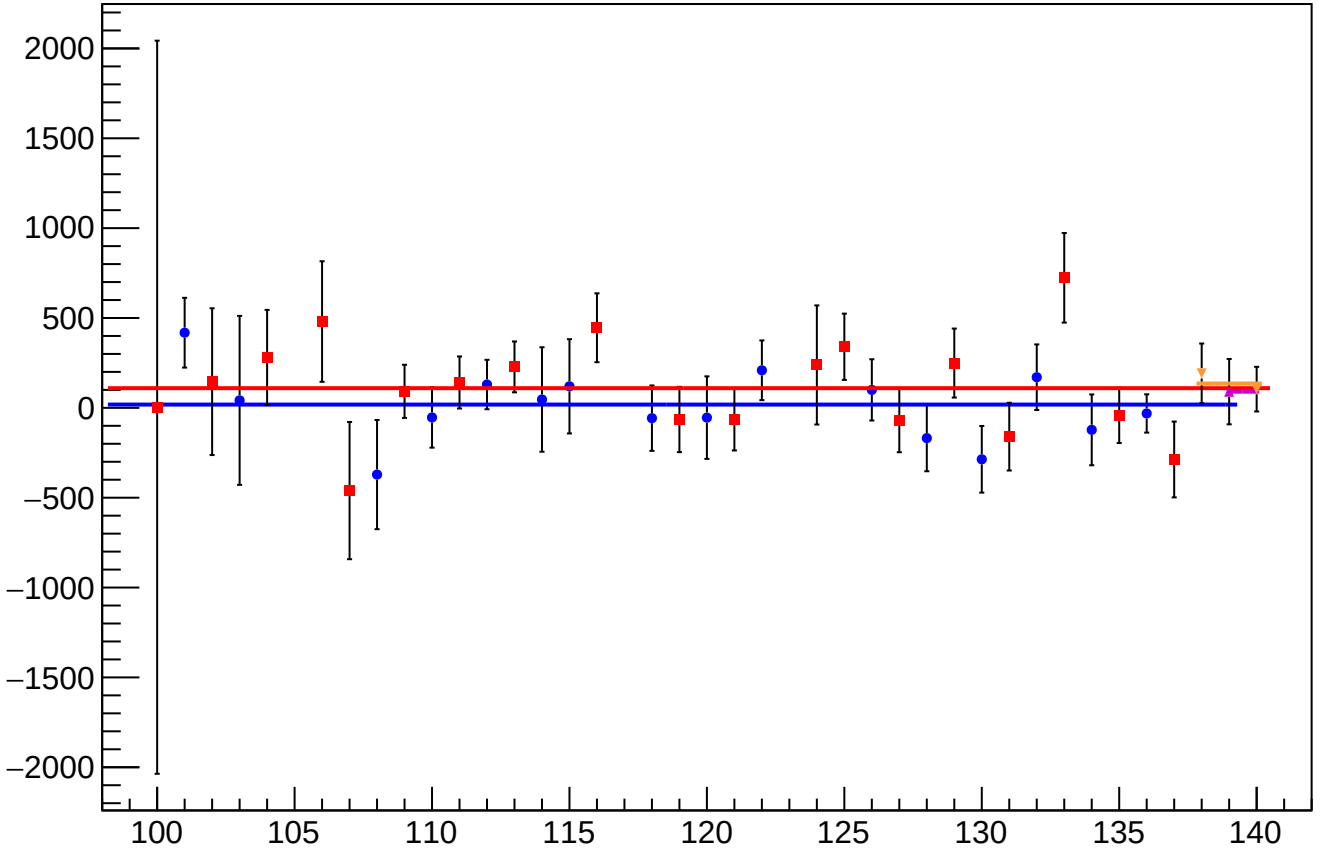
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:3344304.5/16

Out: 0.000+/-0.000 χ^2/NDF:5780098.5/20

All: 0.000+/-0.000 χ^2/NDF: 9747857.1/37

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 135.544+/-99.463 χ^2/NDF:0.2/1

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 89.975+/-181.756 χ^2/NDF:0.0/0

Left: 125.043+/-87.253 χ^2/NDF: 0.2/2

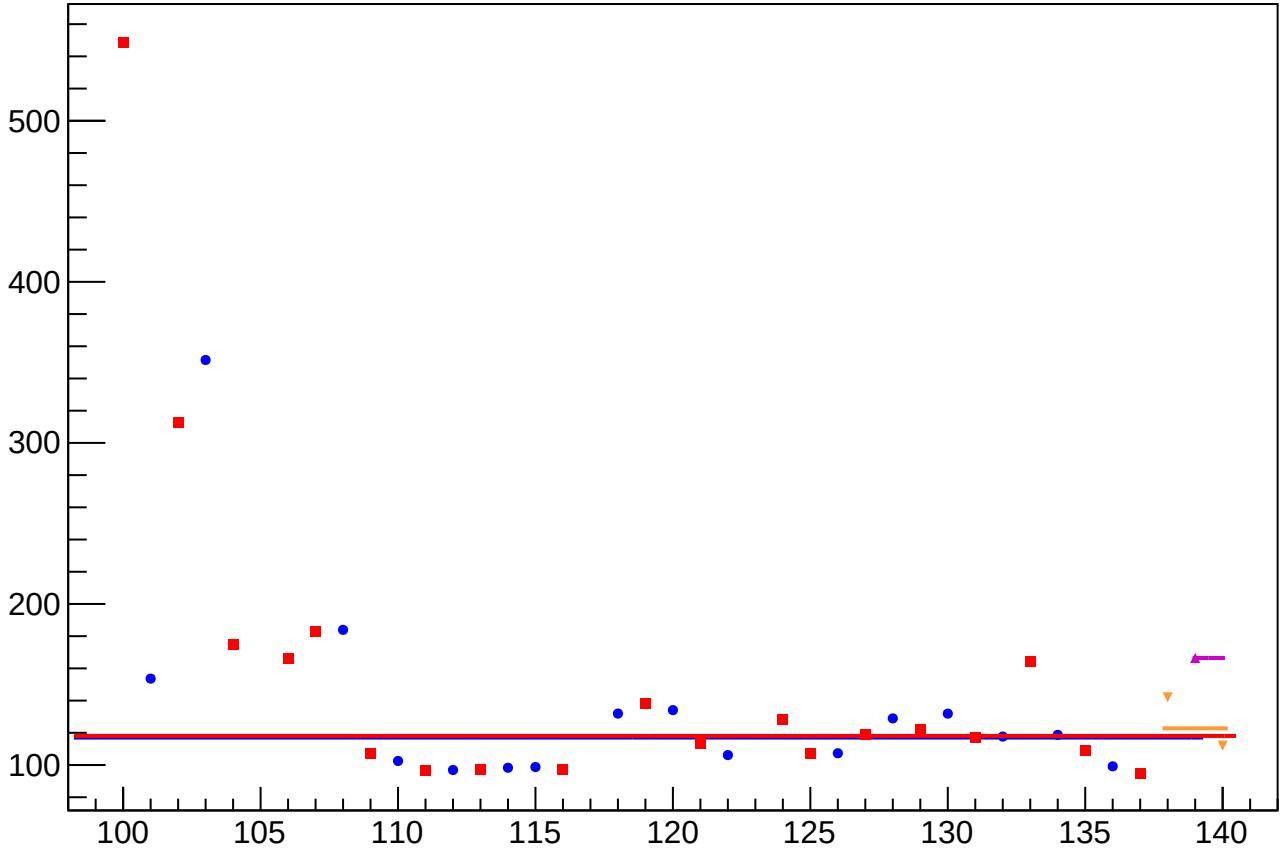
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 22.472+/-44.324 χ^2/NDF:14.0/16

Out: 114.005+/-41.620 χ^2/NDF:25.7/20

All: 71.116+/-30.341 χ^2/NDF: 42.0/37

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 122.765+/-0.070 χ^2/NDF:41947.5/1

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 166.467+/-0.129 χ^2/NDF:0.0/0

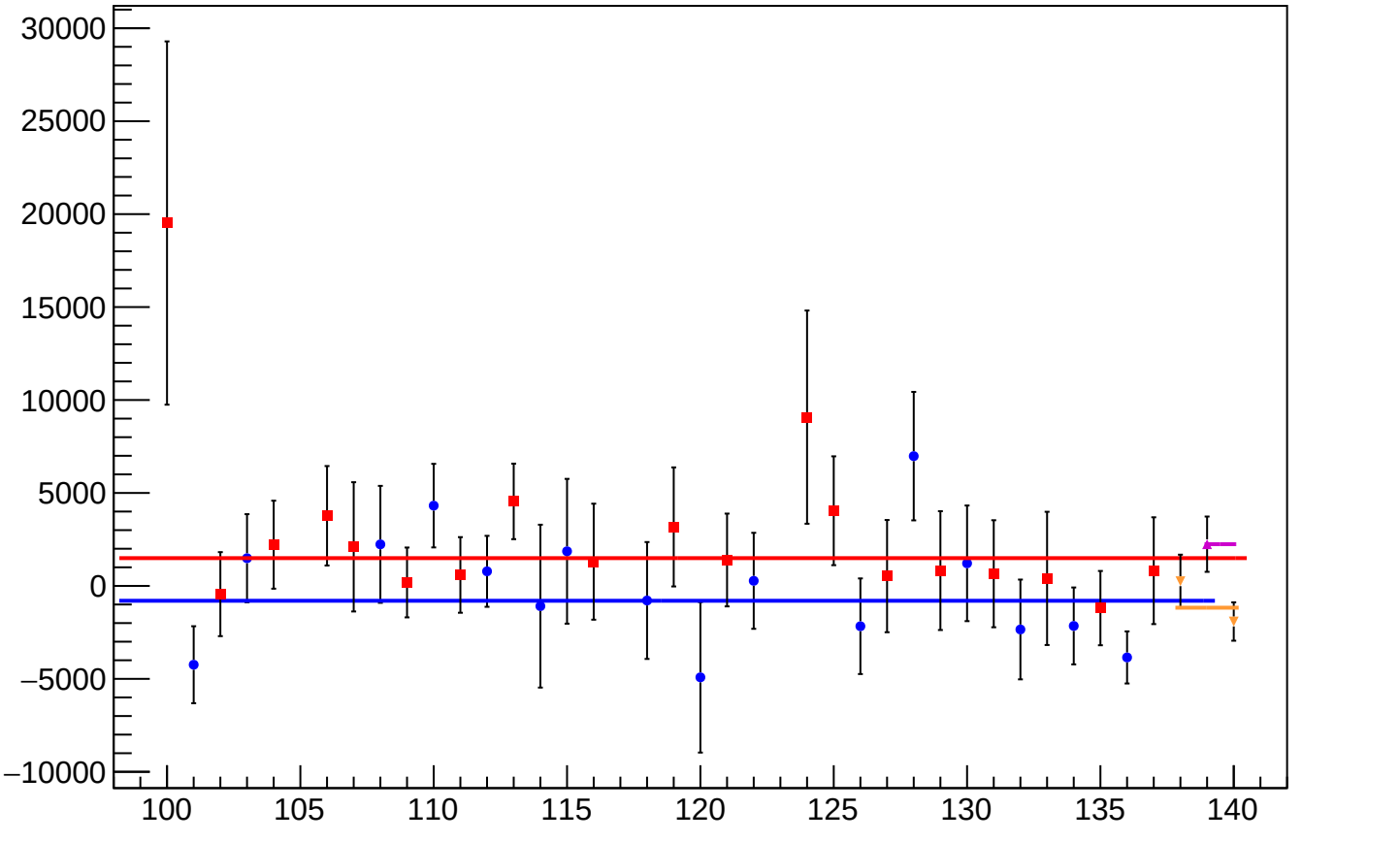
Left: 132.837+/-0.062 χ^2/NDF: 130927.7/2

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 120.001+/-0.031 χ^2/NDF:997384.7/16

Out: 118.882+/-0.029 χ^2/NDF:1036391.5/20

All: 119.406+/-0.021 χ^2/NDF: 2034453.4/37



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1172.283+/-836.659 χ^2/NDF:1.5/1

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 2243.742+/-1486.997 χ^2/NDF:0.0/0

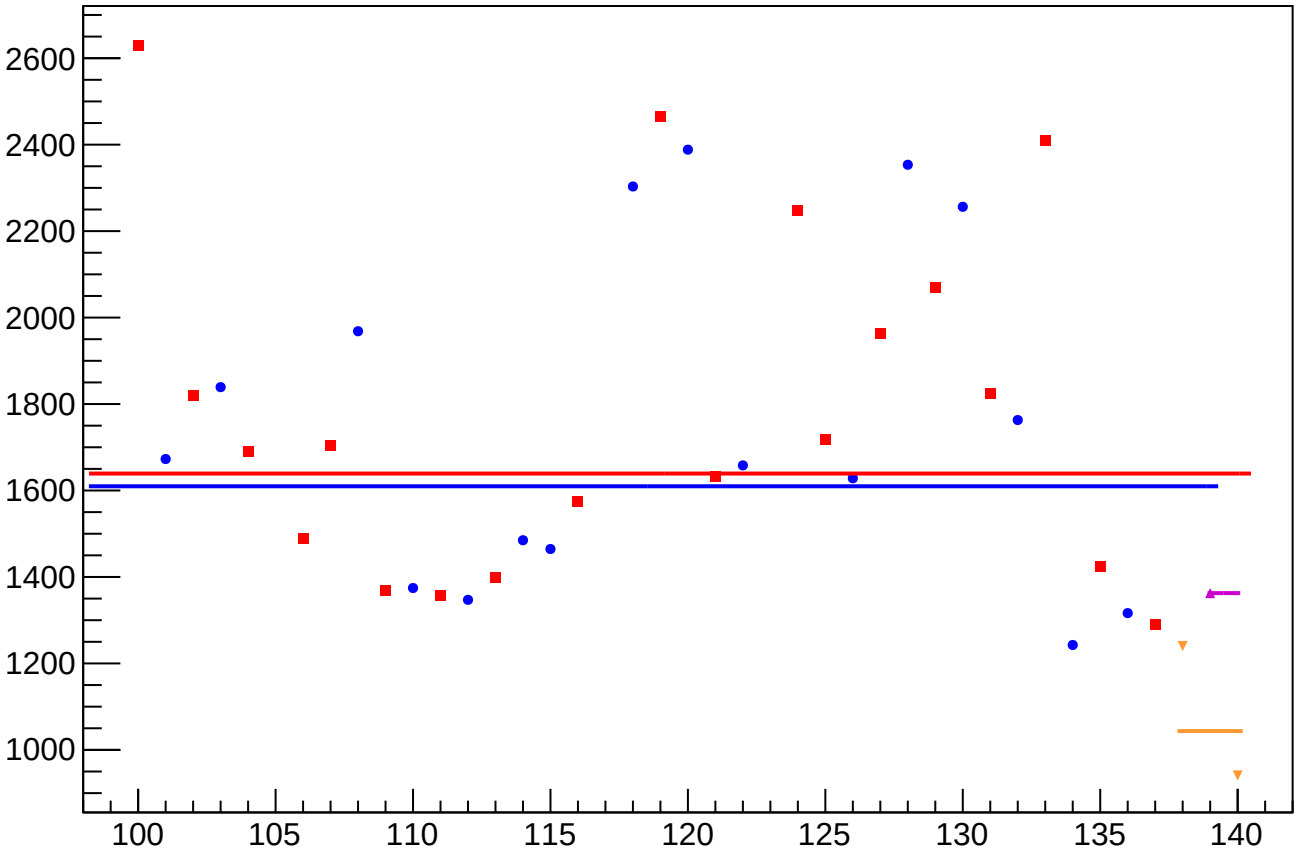
Left: -350.888+/-729.165 χ^2/NDF: 5.5/2

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -353.422+/-569.108 χ^2/NDF:27.0/16

Out: 562.401+/-494.532 χ^2/NDF:21.0/20

All: 168.387+/-373.289 χ^2/NDF: 49.5/37



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 1043.557+/-0.592 χ^2/NDF:57744.0/1

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 1362.664+/-1.051 χ^2/NDF:0.0/0

Left: 1120.288+/-0.516 χ^2/NDF: 127701.7/2

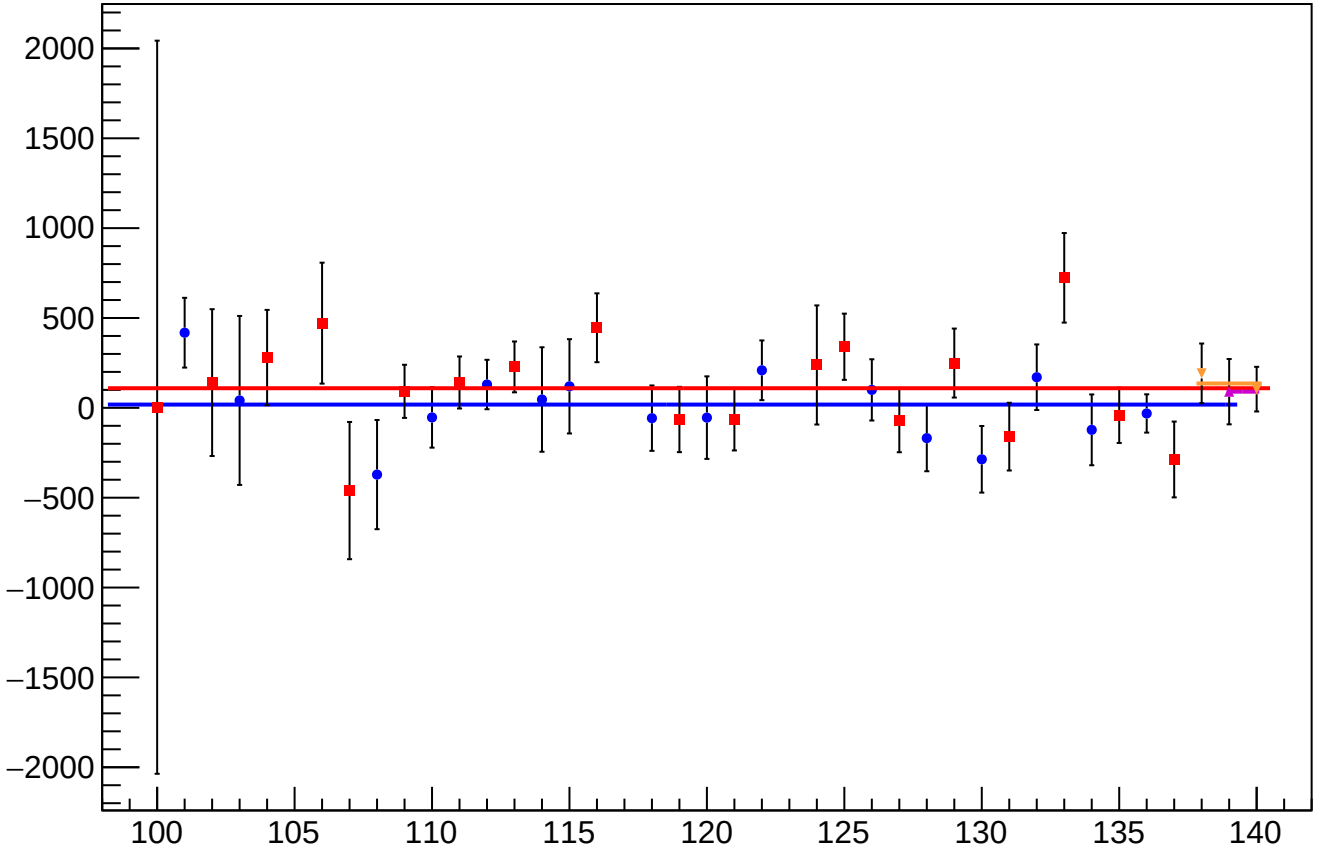
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1573.585+/-0.402 χ^2/NDF:666273.9/16

Out: 1431.124+/-0.350 χ^2/NDF:1237547.4/20

All: 1492.415+/-0.264 χ^2/NDF: 1975226.6/37

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 135.563+/-99.463 χ^2/NDF:0.2/1

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 89.988+/-181.756 χ^2/NDF:0.0/0

Left: 125.060+/-87.253 χ^2/NDF: 0.2/2

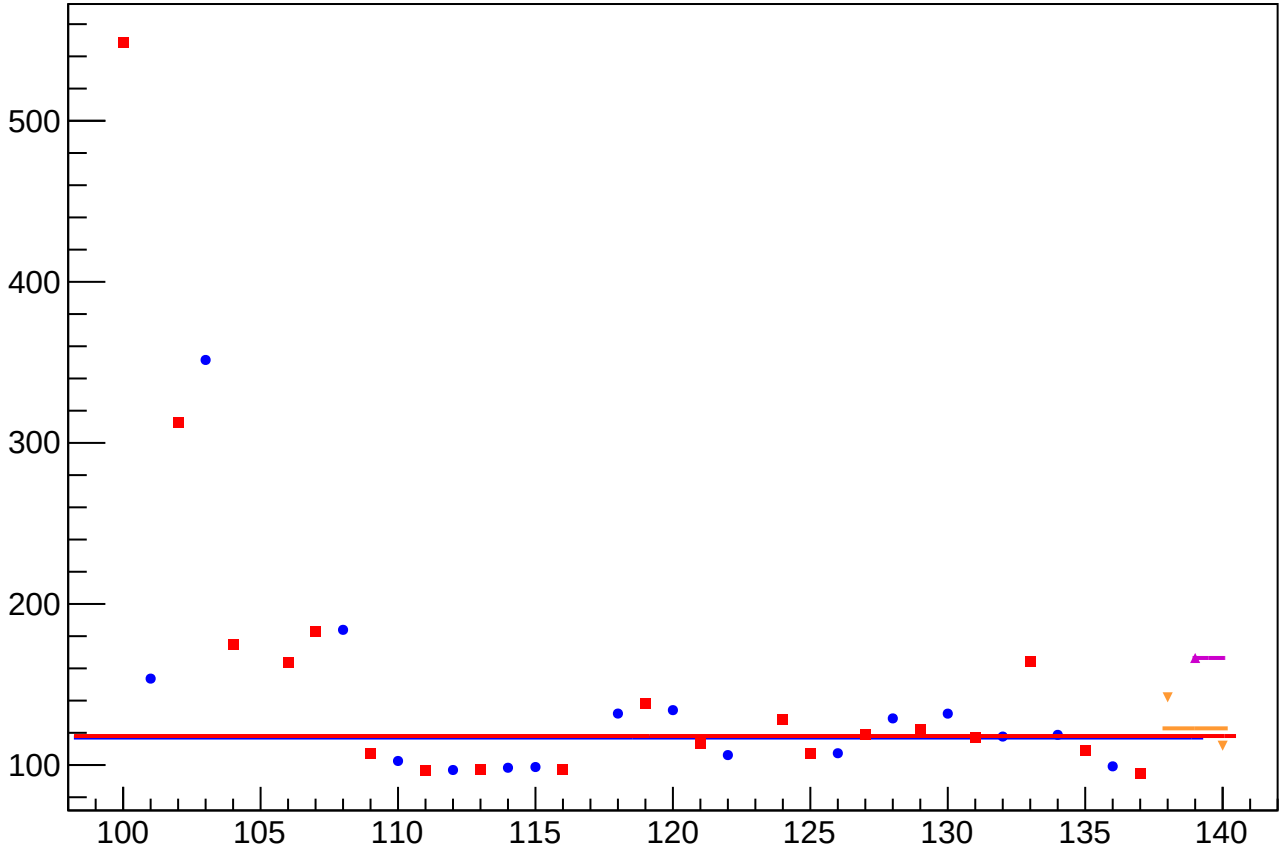
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 22.461+/-44.324 χ^2/NDF:14.0/16

Out: 113.776+/-41.622 χ^2/NDF:25.6/20

All: 70.986+/-30.342 χ^2/NDF: 41.9/37

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 122.765+/-0.070 χ^2/NDF:41947.5/1

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 166.467+/-0.129 χ^2/NDF:0.0/0

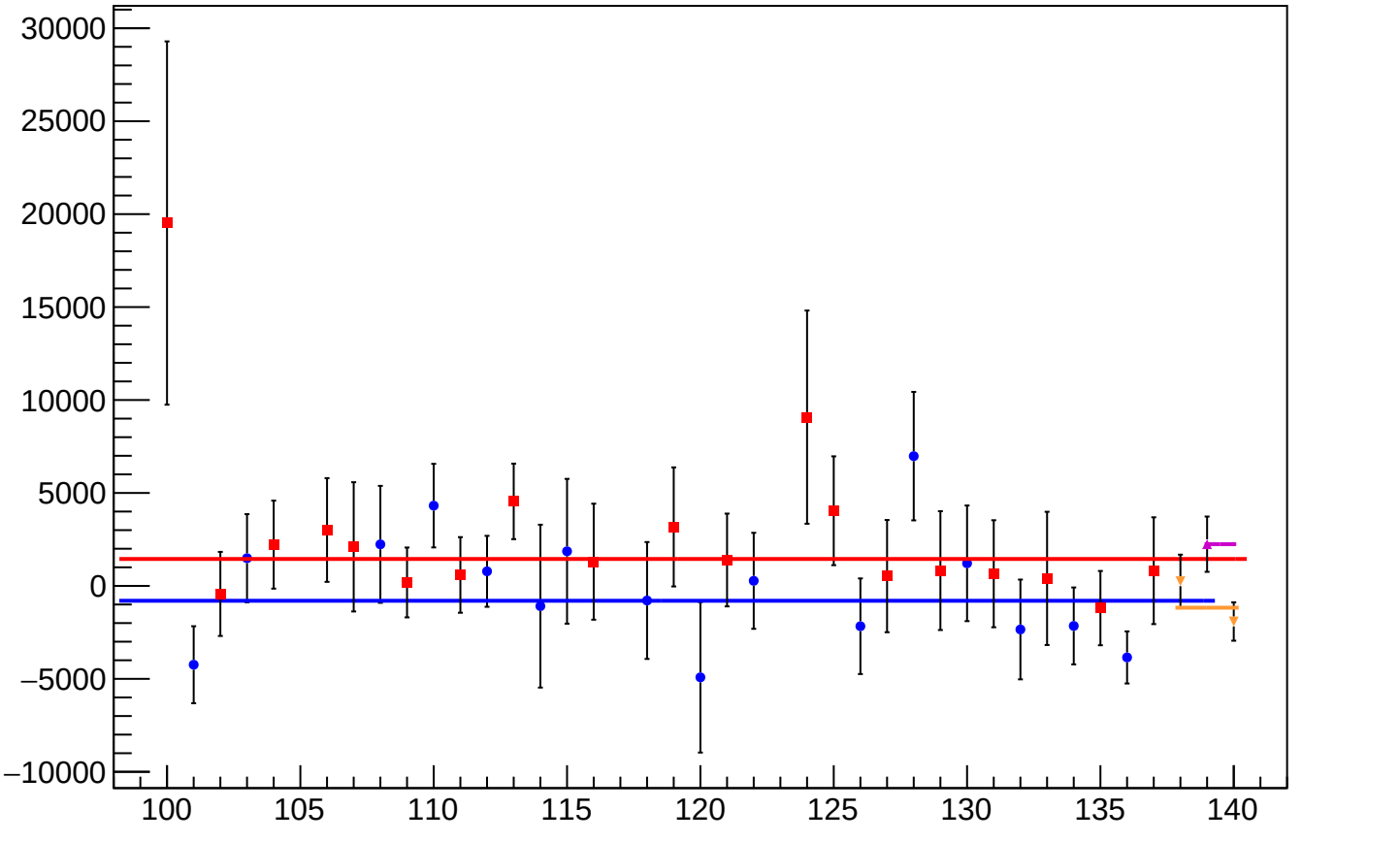
Left: 132.837+/-0.062 χ^2/NDF: 130927.7/2

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 120.001+/-0.031 χ^2/NDF:997386.8/16

Out: 118.839+/-0.029 χ^2/NDF:1032279.0/20

All: 119.383+/-0.021 χ^2/NDF: 2030395.6/37



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1172.259+/-836.659 χ^2/NDF:1.5/1

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 2243.759+/-1486.996 χ^2/NDF:0.0/0

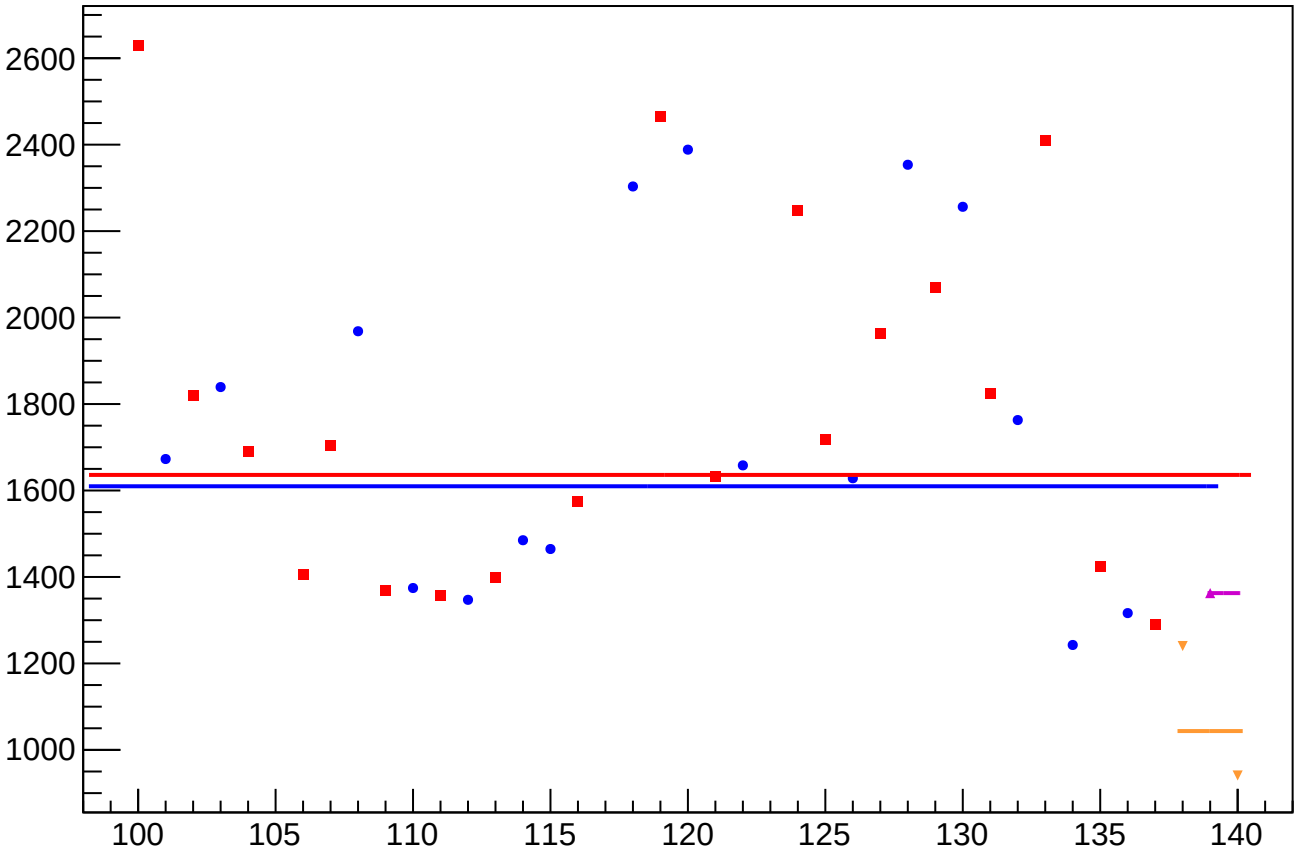
Left: -350.865+/-729.164 χ^2/NDF: 5.5/2

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -353.399+/-569.112 χ^2/NDF:27.0/16

Out: 530.214+/-495.238 χ^2/NDF:20.3/20

All: 149.443+/-373.593 χ^2/NDF: 48.7/37



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 1043.557+/-0.592 χ^2/NDF:57744.1/1

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 1362.663+/-1.051 χ^2/NDF:0.0/0

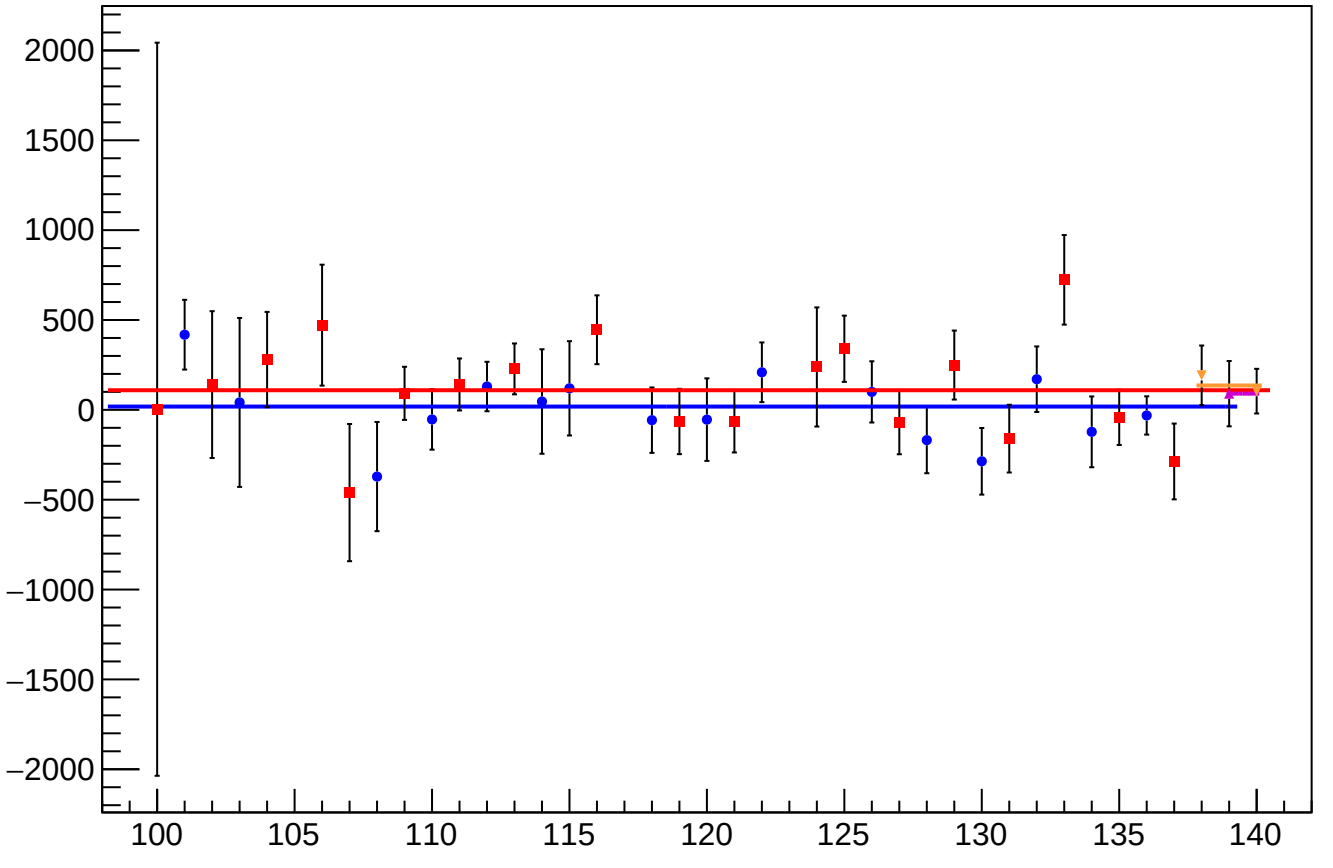
Left: 1120.287+/-0.516 χ^2/NDF: 127701.8/2

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1573.592+/-0.402 χ^2/NDF:666306.8/16

Out: 1428.454+/-0.350 χ^2/NDF:1237119.4/20

All: 1490.997+/-0.264 χ^2/NDF: 1977449.5/37



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 135.563+/-99.463 χ^2/NDF:0.2/1

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 89.988+/-181.756 χ^2/NDF:0.0/0

Left: 125.060+/-87.253 χ^2/NDF: 0.2/2

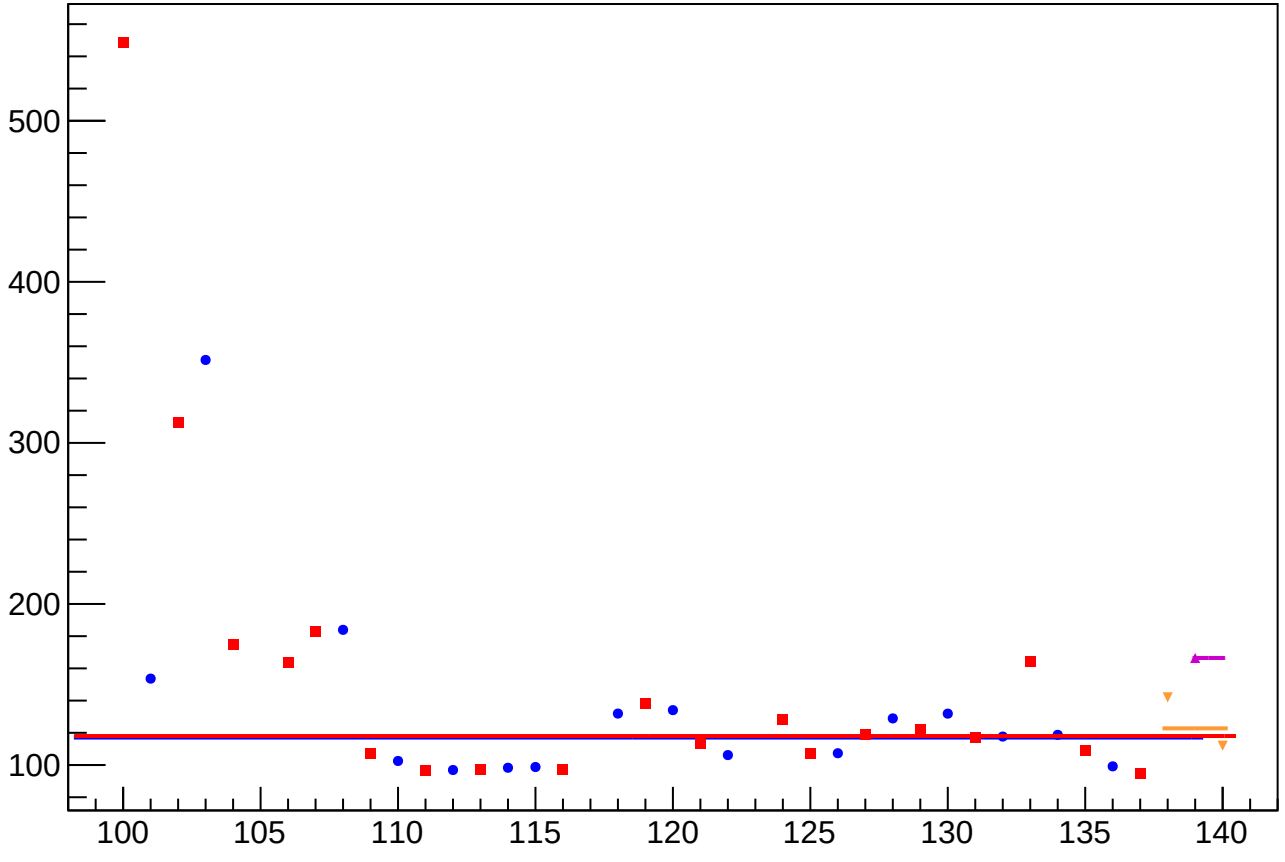
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 22.461+/-44.324 χ^2/NDF:14.0/16

Out: 113.776+/-41.622 χ^2/NDF:25.6/20

All: 70.986+/-30.342 χ^2/NDF: 41.9/37

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 122.765+/-0.070 χ^2/NDF:41947.5/1

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 166.467+/-0.129 χ^2/NDF:0.0/0

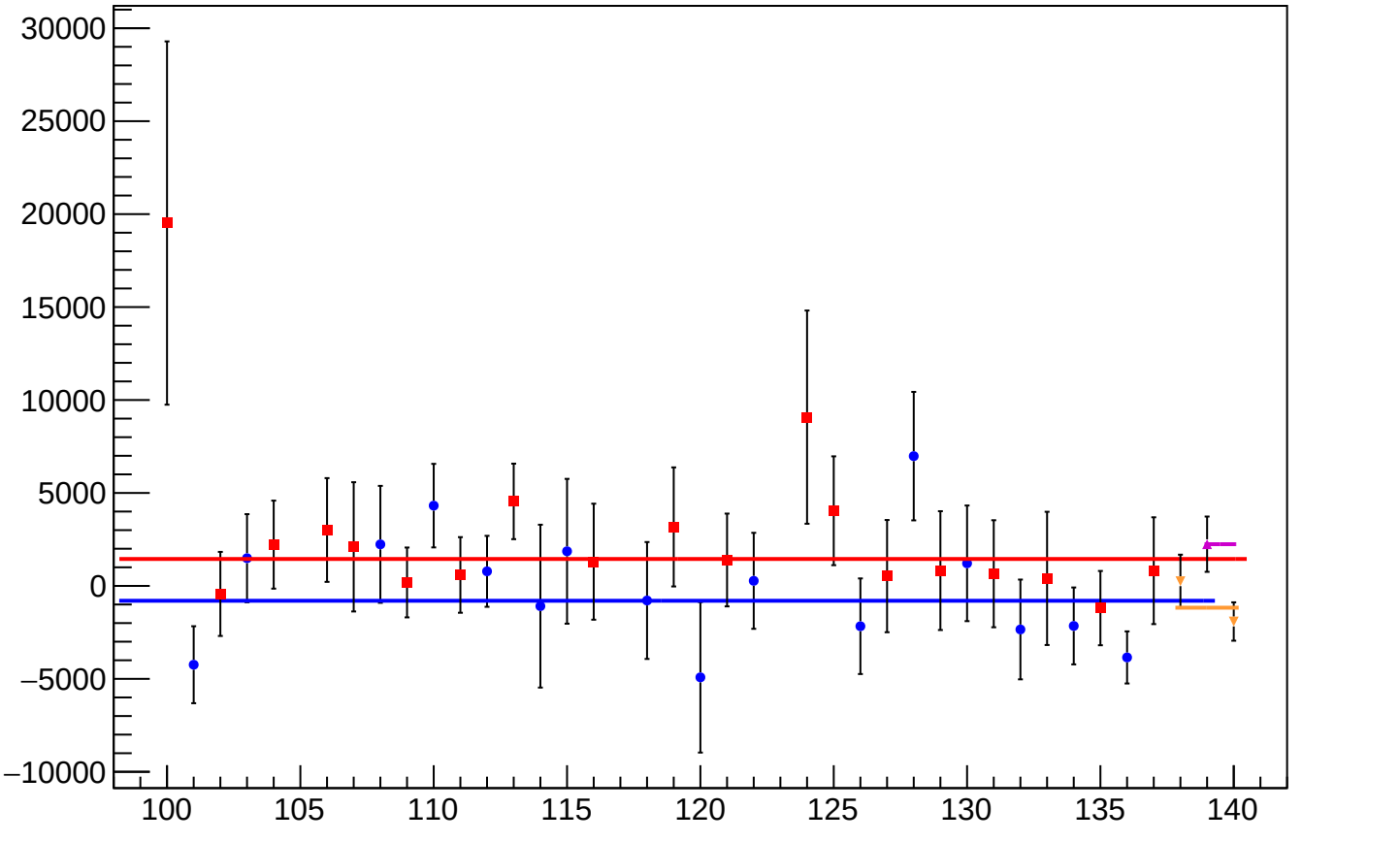
Left: 132.837+/-0.062 χ^2/NDF: 130927.7/2

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 120.001+/-0.031 χ^2/NDF:997386.8/16

Out: 118.839+/-0.029 χ^2/NDF:1032279.0/20

All: 119.383+/-0.021 χ^2/NDF: 2030395.6/37



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1172.259+/-836.659 χ^2/NDF:1.5/1

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 2243.759+/-1486.996 χ^2/NDF:0.0/0

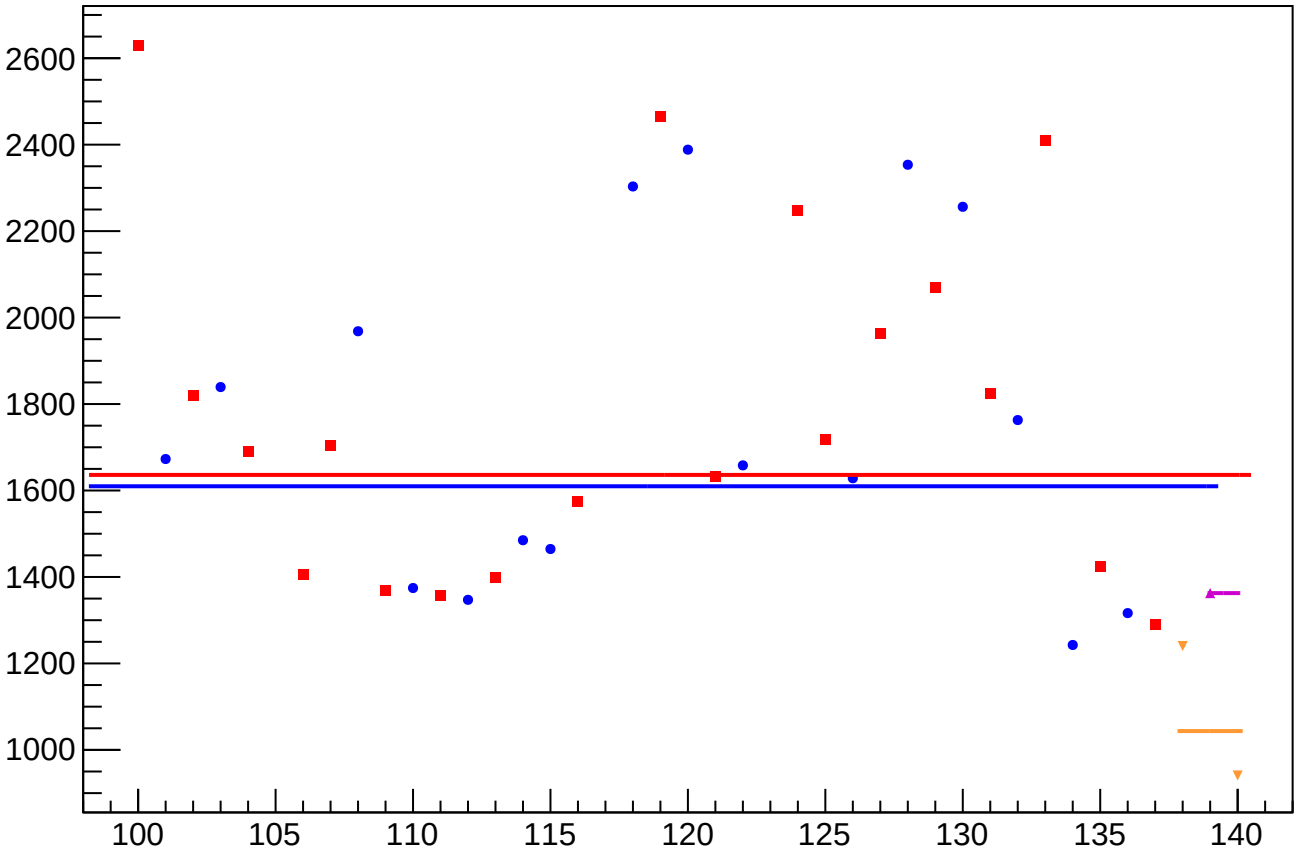
Left: -350.865+/-729.164 χ^2/NDF: 5.5/2

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -353.399+/-569.112 χ^2/NDF:27.0/16

Out: 530.214+/-495.238 χ^2/NDF:20.3/20

All: 149.443+/-373.593 χ^2/NDF: 48.7/37



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 1043.557+/-0.592 χ^2/NDF:57744.1/1

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 1362.663+/-1.051 χ^2/NDF:0.0/0

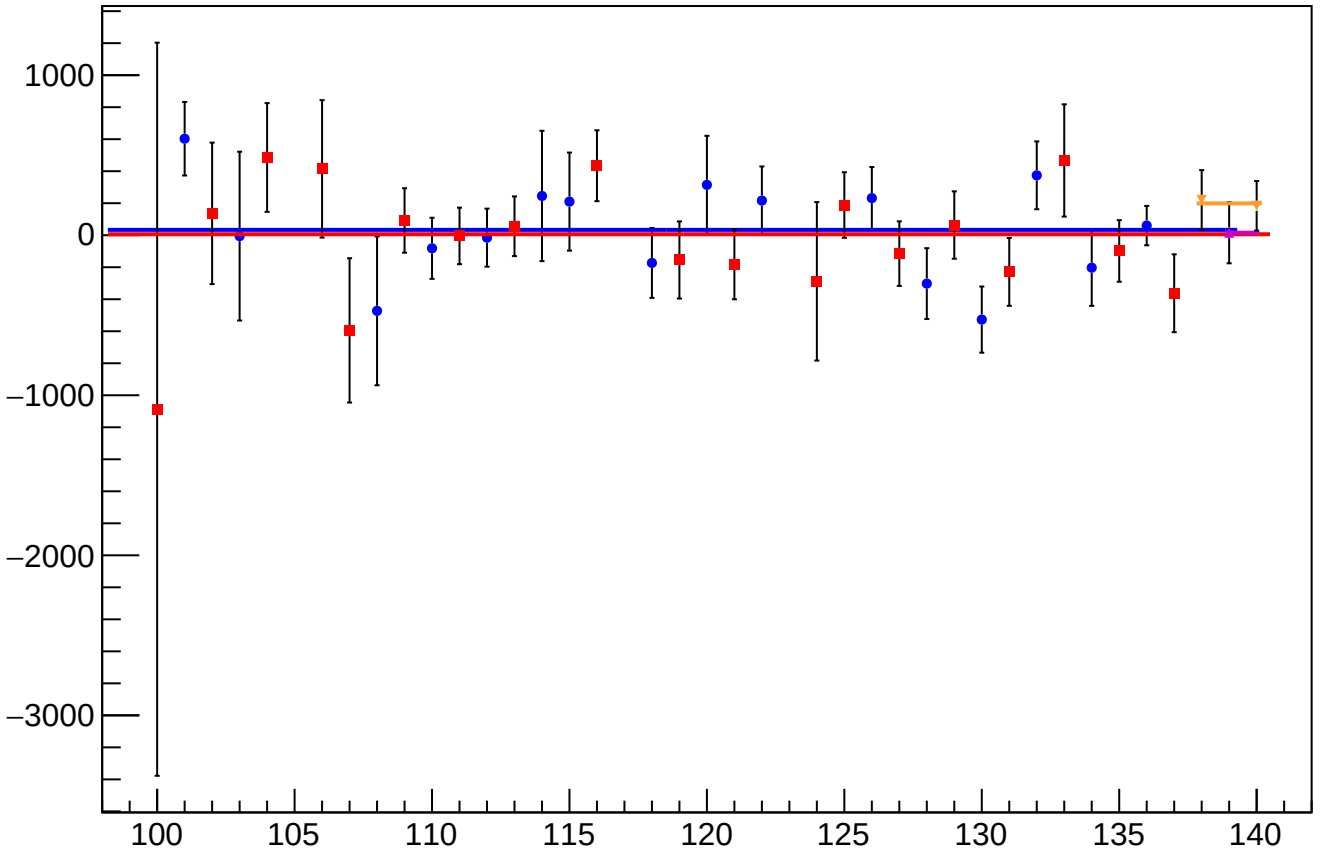
Left: 1120.287+/-0.516 χ^2/NDF: 127701.8/2

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1573.592+/-0.402 χ^2/NDF:666306.8/16

Out: 1428.454+/-0.350 χ^2/NDF:1237119.4/20

All: 1490.997+/-0.264 χ^2/NDF: 1977449.5/37



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 198.864+/-119.037 χ^2/NDF:0.0/1

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 15.709+/-191.198 χ^2/NDF:0.0/0

Left: 147.701+/-101.053 χ^2/NDF: 0.7/2

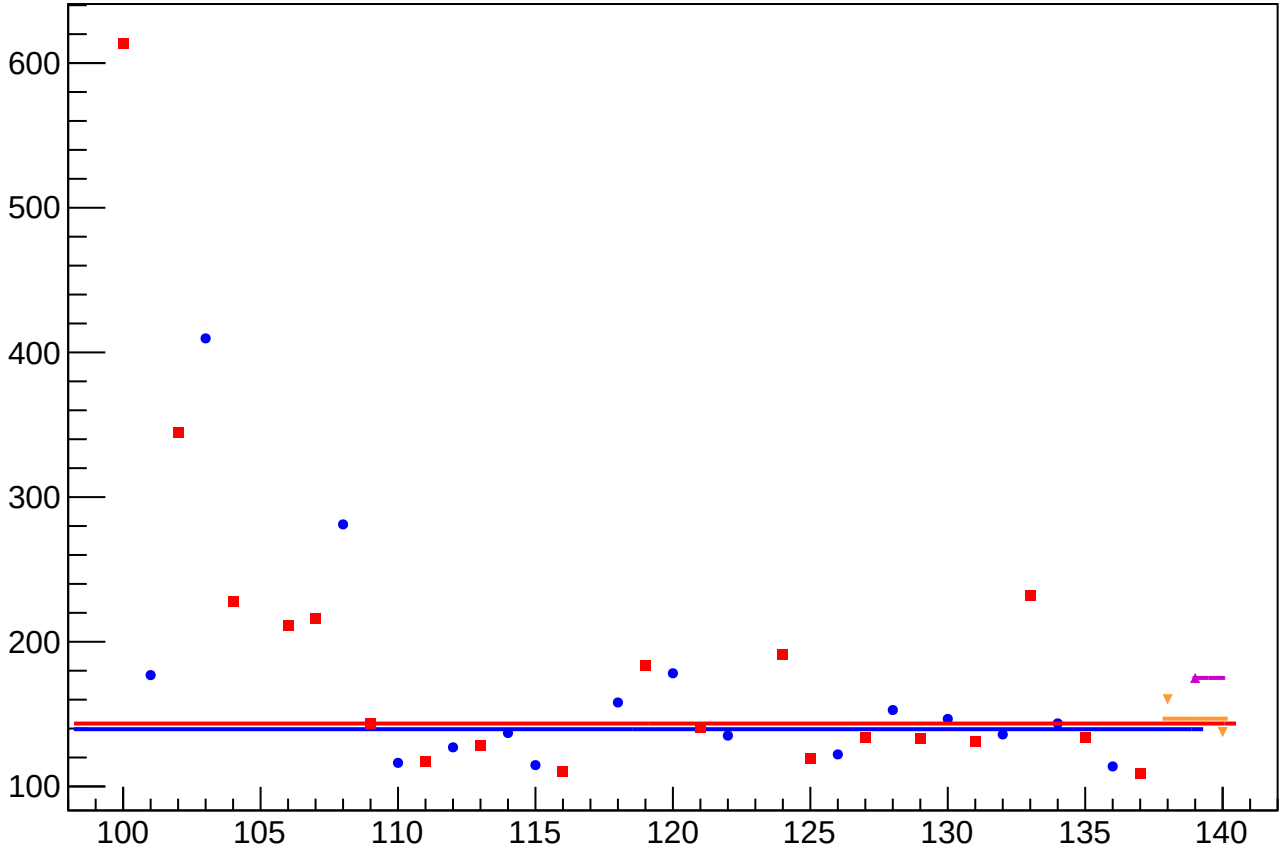
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 32.118+/-52.775 χ^2/NDF:25.2/16

Out: 41.128+/-50.739 χ^2/NDF:19.5/20

All: 36.800+/-36.577 χ^2/NDF: 44.7/37

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 146.844+/-0.084 χ^2/NDF:17503.8/1

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 175.015+/-0.135 χ^2/NDF:0.0/0

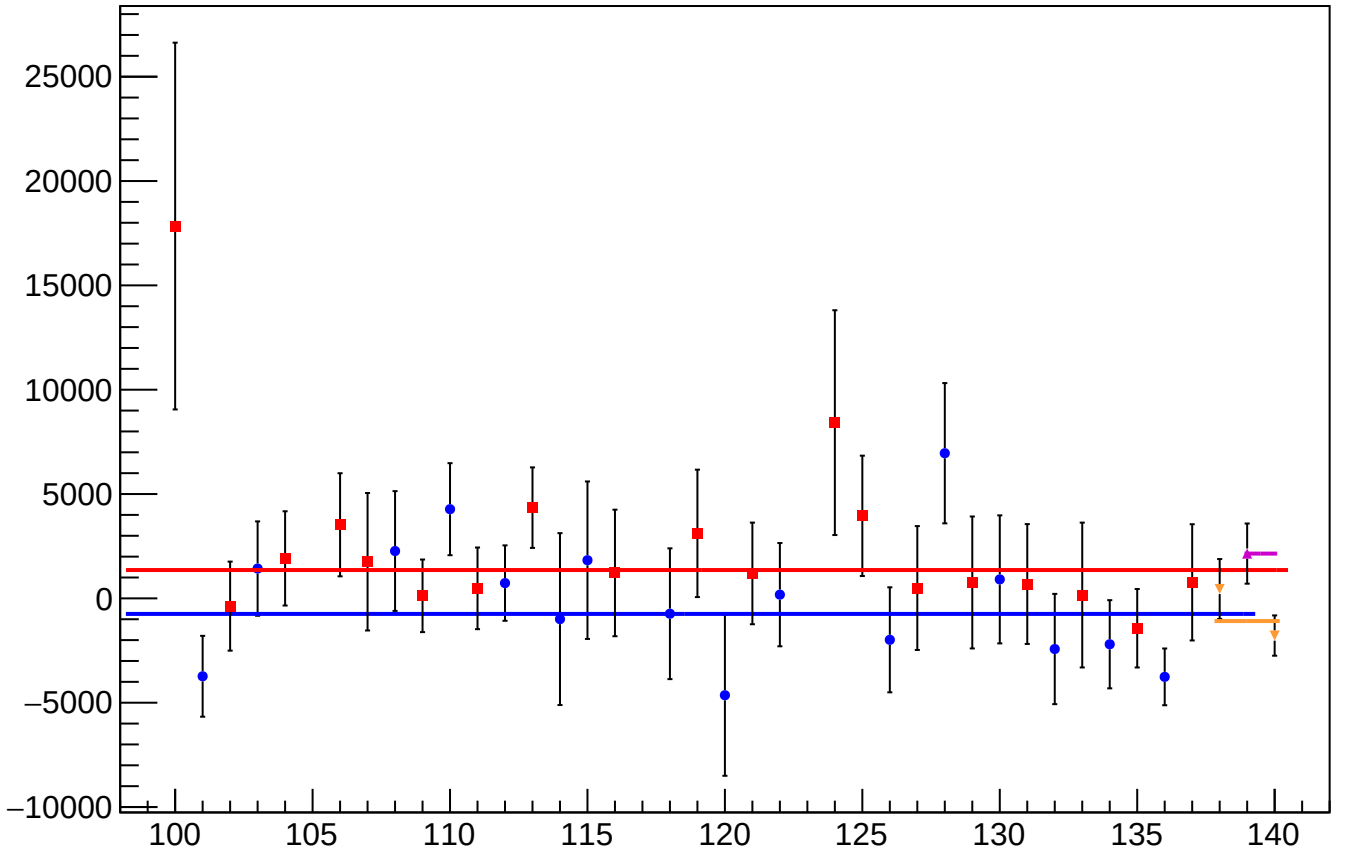
Left: 154.713+/-0.071 χ^2/NDF: 48792.5/2

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 142.267+/-0.037 χ^2/NDF:1040243.5/16

Out: 144.091+/-0.036 χ^2/NDF:1135483.2/20

All: 143.215+/-0.026 χ^2/NDF: 2176967.5/37



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1087.293+/-800.913 χ^2/NDF:1.7/1

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 2145.716+/-1441.682 χ^2/NDF:0.0/0

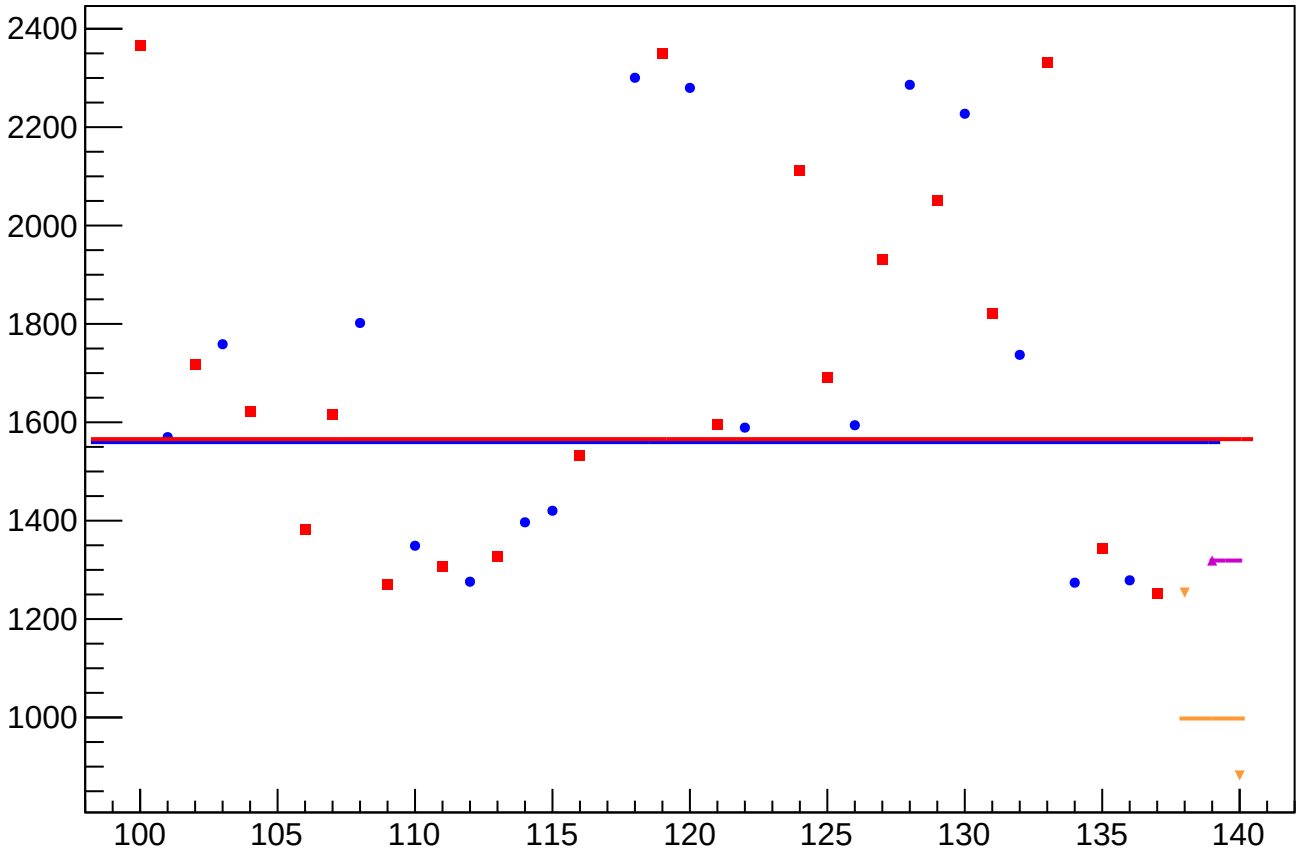
Left: -324.822+/-700.128 χ^2/NDF: 5.5/2

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -323.031+/-550.639 χ^2/NDF:26.9/16

Out: 505.667+/-472.828 χ^2/NDF:21.3/20

All: 153.959+/-358.724 χ^2/NDF: 49.5/37



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 997.833+/-0.566 χ^2/NDF:92399.5/1

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 1318.962+/-1.019 χ^2/NDF:0.0/0

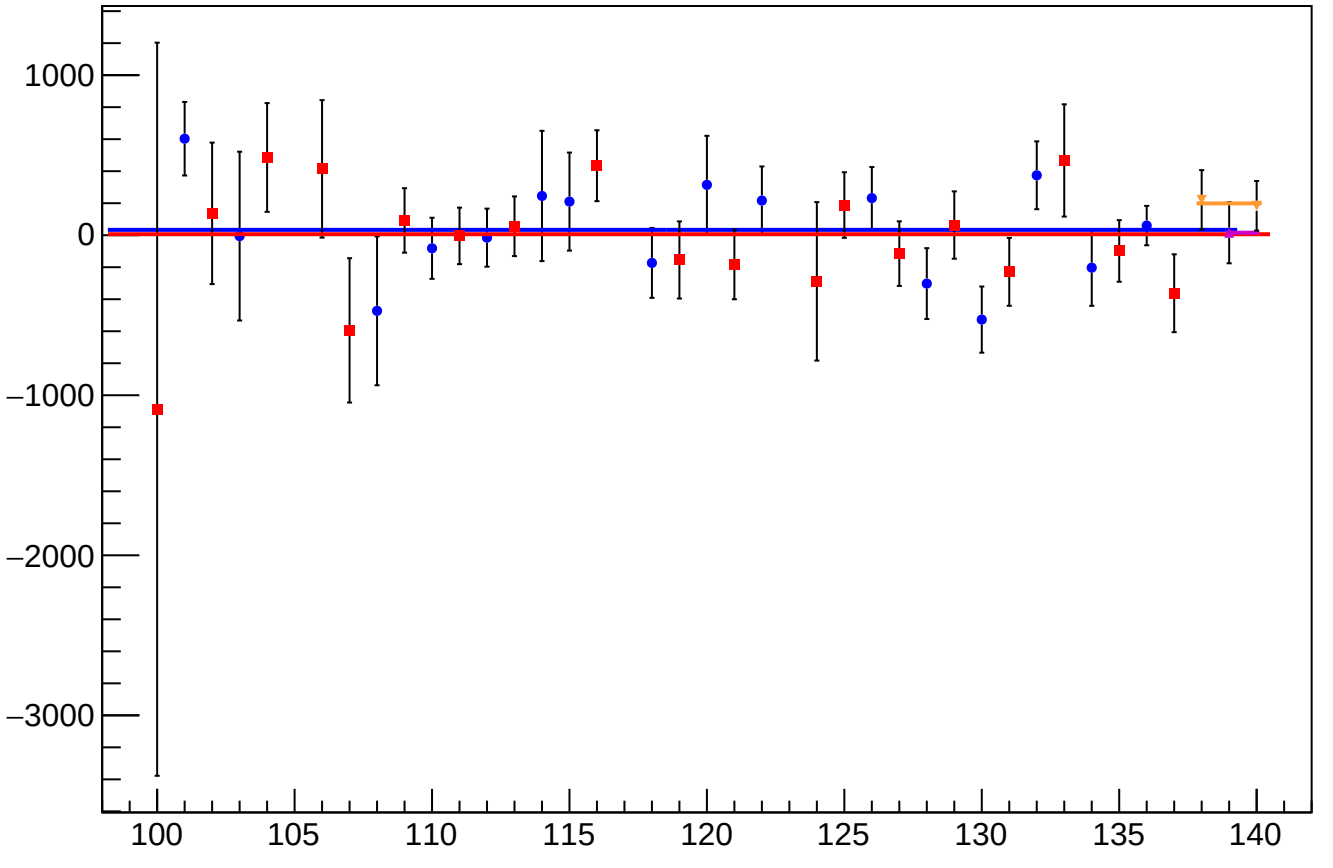
Left: 1073.568+/-0.495 χ^2/NDF: 168228.4/2

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 1524.611+/-0.389 χ^2/NDF:651855.5/16

Out: 1367.853+/-0.334 χ^2/NDF:1311508.3/20

All: 1434.383+/-0.254 χ^2/NDF: 2056660.9/37



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 198.864+/-119.038 χ^2/NDF:0.0/1

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 15.714+/-191.197 χ^2/NDF:0.0/0

Left: 147.703+/-101.053 χ^2/NDF: 0.7/2

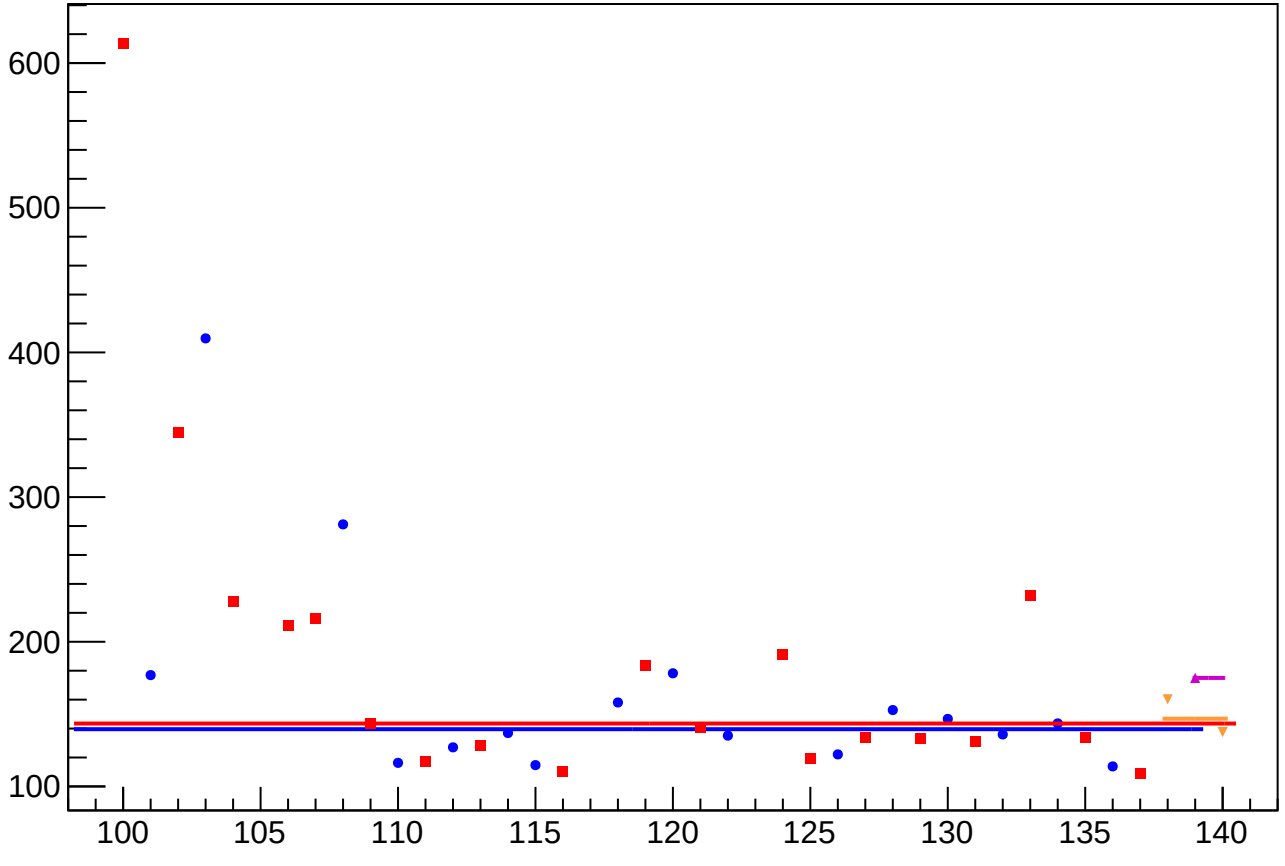
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 32.117+/-52.775 χ^2/NDF:25.2/16

Out: 41.125+/-50.740 χ^2/NDF:19.5/20

All: 36.798+/-36.577 χ^2/NDF: 44.7/37

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 146.844+/-0.084 χ^2/NDF:17503.4/1

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 175.014+/-0.135 χ^2/NDF:0.0/0

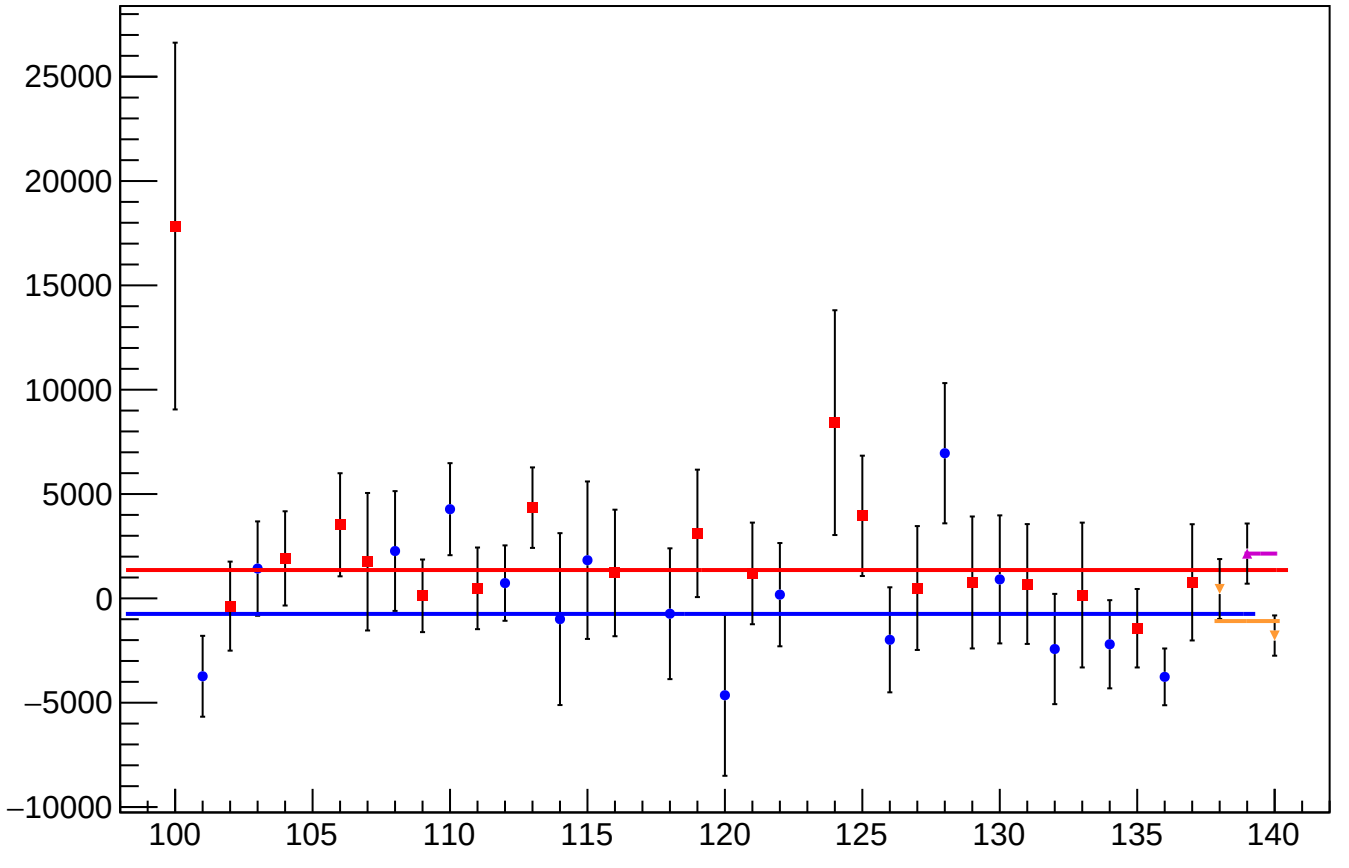
Left: 154.713+/-0.071 χ^2/NDF: 48790.5/2

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 142.267+/-0.037 χ^2/NDF:1040244.1/16

Out: 144.091+/-0.036 χ^2/NDF:1135489.3/20

All: 143.215+/-0.026 χ^2/NDF: 2176974.4/37



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1087.295+/-800.913 χ^2/NDF:1.7/1

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 2145.718+/-1441.684 χ^2/NDF:0.0/0

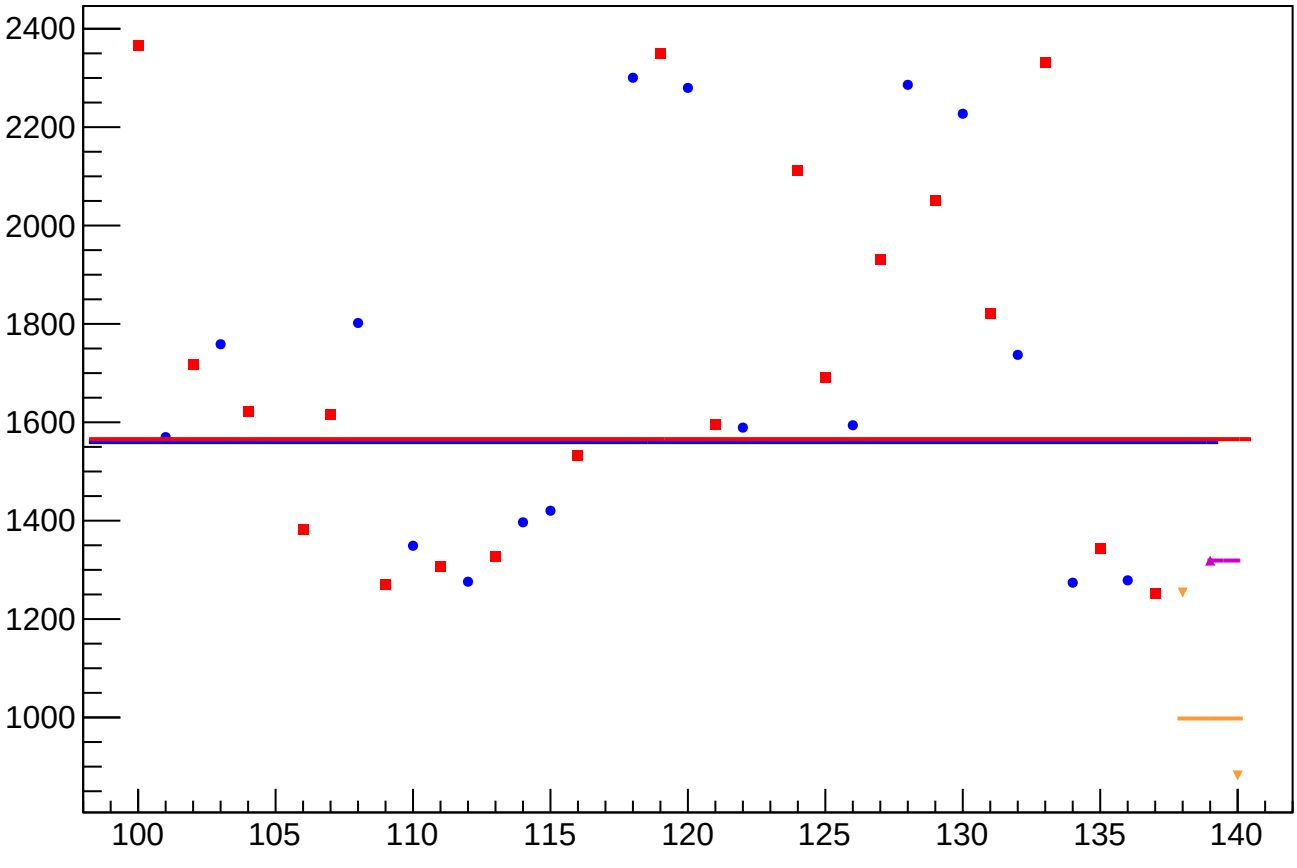
Left: -324.825+/-700.128 χ^2/NDF: 5.5/2

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -323.029+/-550.639 χ^2/NDF:26.9/16

Out: 505.668+/-472.828 χ^2/NDF:21.3/20

All: 153.960+/-358.723 χ^2/NDF: 49.5/37



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 997.833+/-0.566 χ^2/NDF:92401.1/1

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 1318.964+/-1.019 χ^2/NDF:0.0/0

Left: 1073.568+/-0.495 χ^2/NDF: 168230.8/2

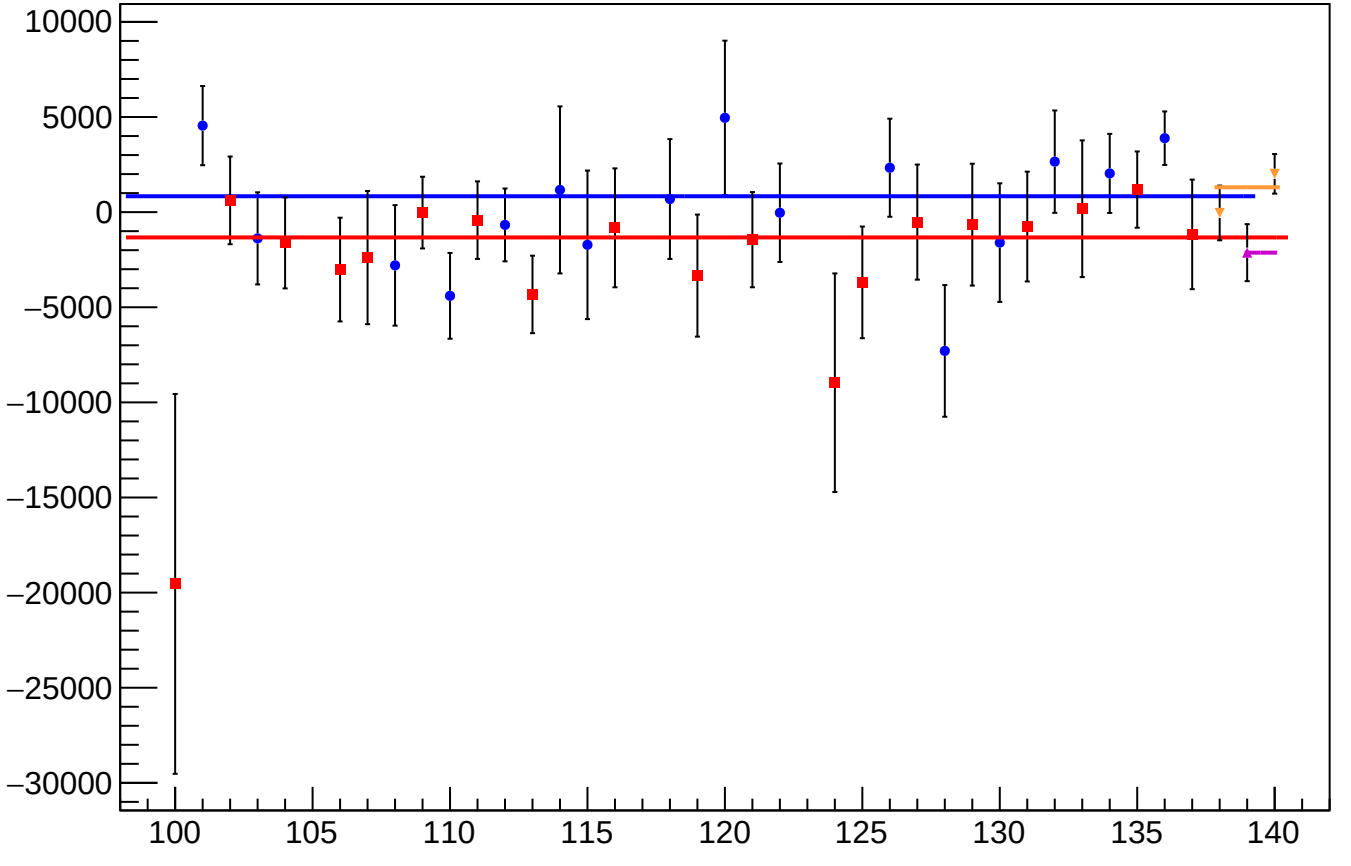
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 1524.611+/-0.389 χ^2/NDF:651854.5/16

Out: 1367.852+/-0.334 χ^2/NDF:1311504.7/20

All: 1434.382+/-0.254 χ^2/NDF: 2056656.8/37

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1307.483+/-842.775 χ^2/NDF:1.3/1

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -2129.432+/-1498.143 χ^2/NDF:0.0/0

Left: 481.296+/-734.528 χ^2/NDF: 5.3/2

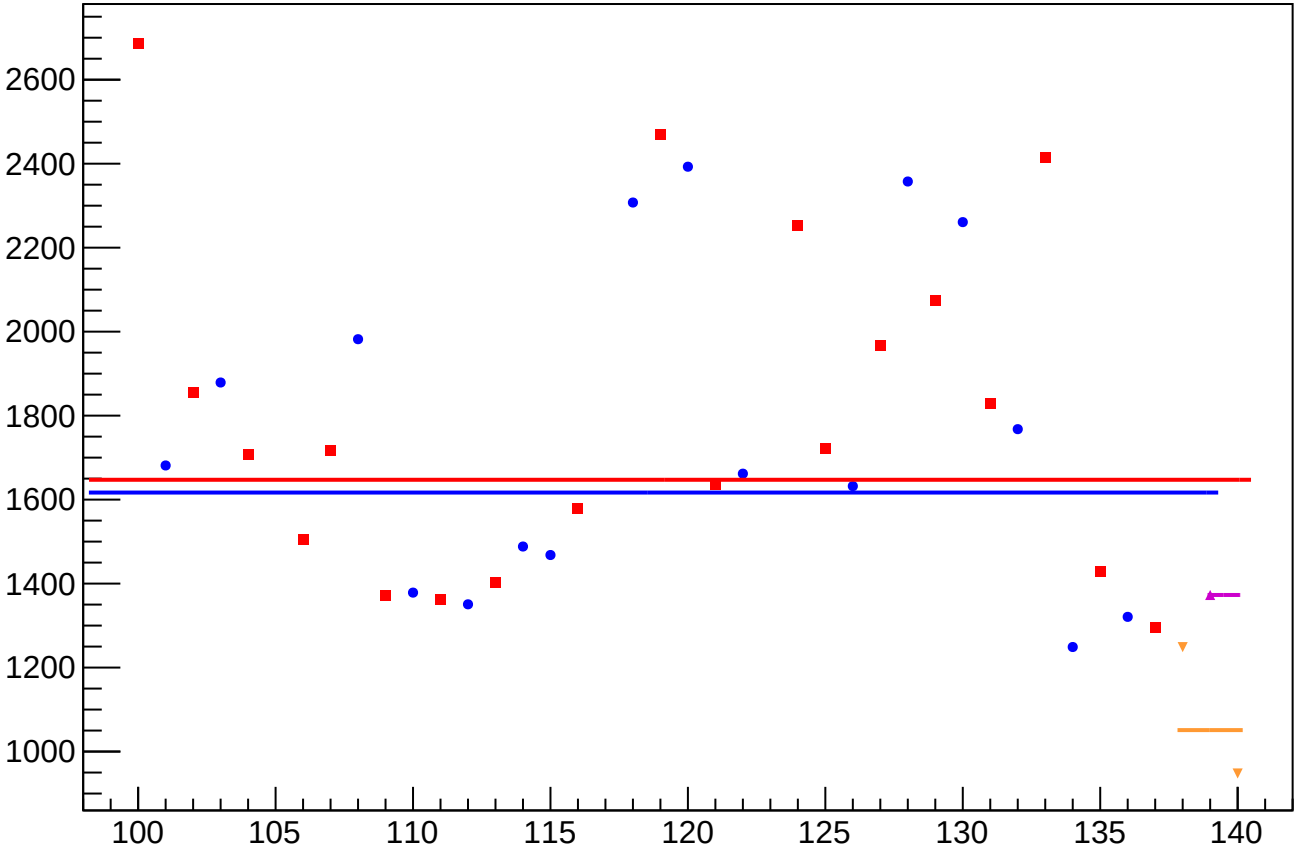
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 403.406+/-571.917 χ^2/NDF:28.2/16

Out: -410.464+/-497.543 χ^2/NDF:19.8/20

All: -59.857+/-375.376 χ^2/NDF: 49.2/37

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 1051.095+/-0.596 χ^2/NDF:57485.5/1

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 1372.884+/-1.059 χ^2/NDF:0.0/0

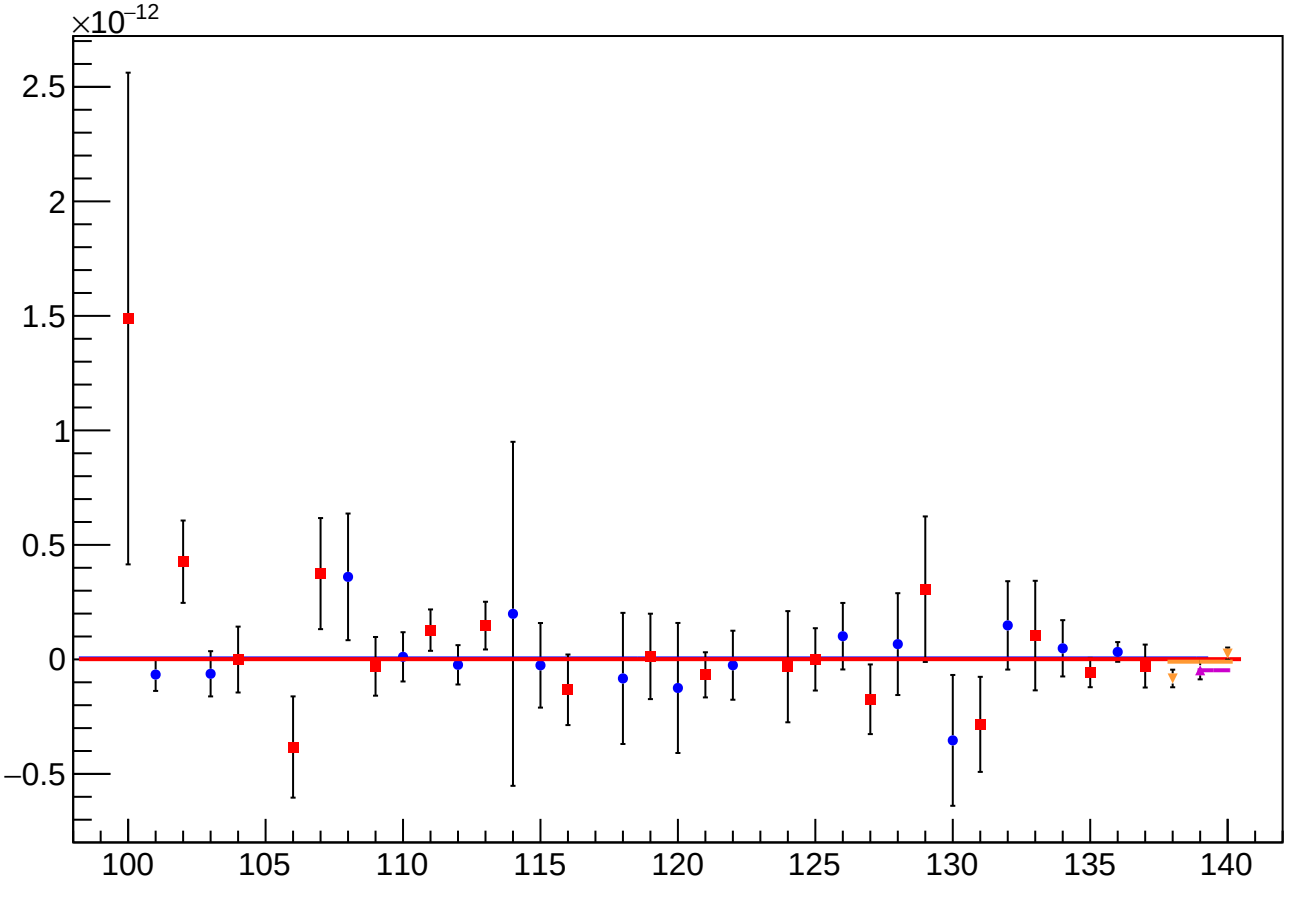
Left: 1128.449+/-0.519 χ^2/NDF: 127575.9/2

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1581.257+/-0.404 χ^2/NDF:667561.9/16

Out: 1439.459+/-0.352 χ^2/NDF:1233255.3/20

All: 1500.544+/-0.265 χ^2/NDF: 1970797.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

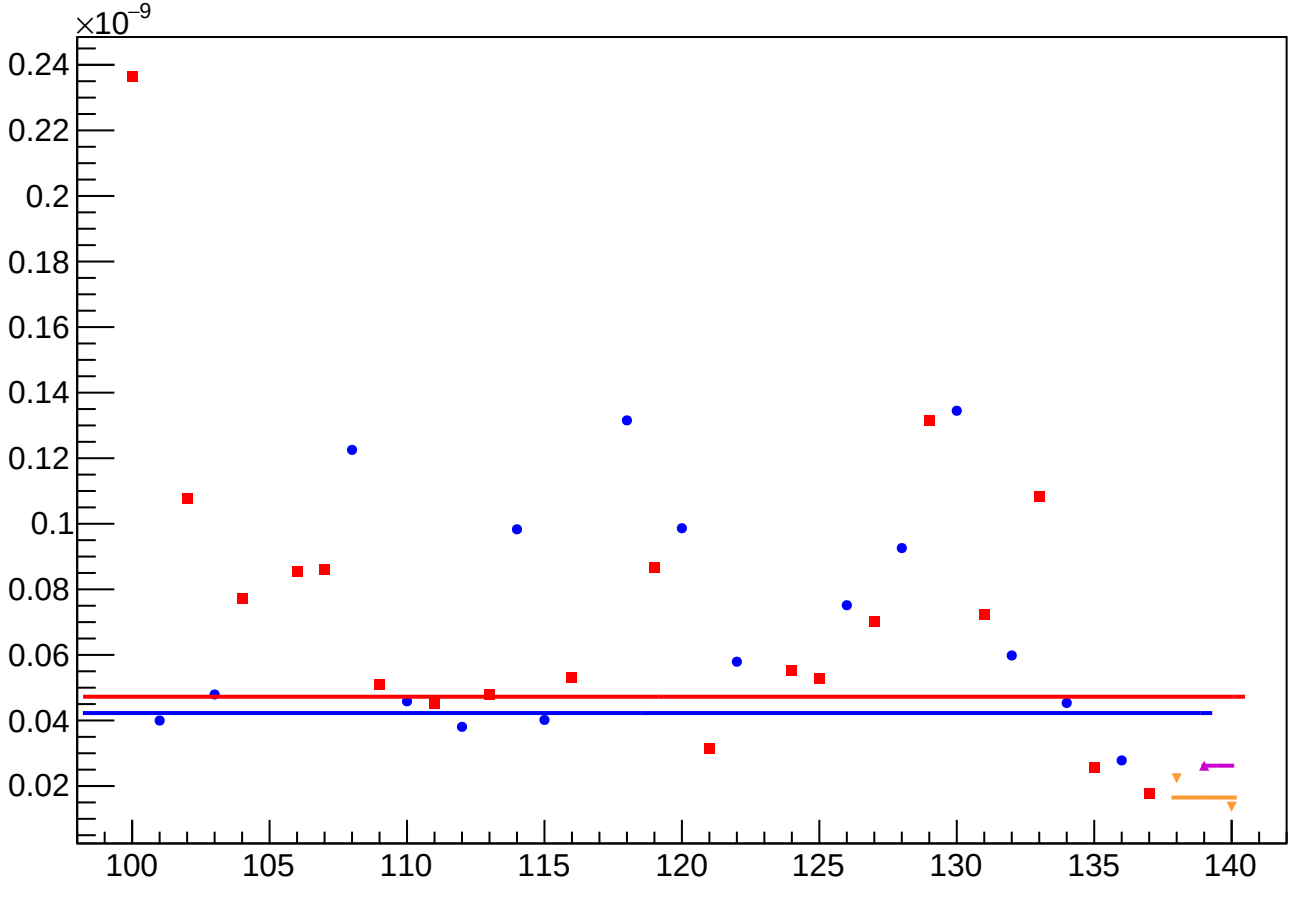
Left: -0.000+/-0.000 χ^2/NDF: 6.1/2

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: -0.000+/-0.000 χ^2/NDF:8.0/16

Out: -0.000+/-0.000 χ^2/NDF:28.9/20

All: -0.000+/-0.000 χ^2/NDF: 36.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:68886.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

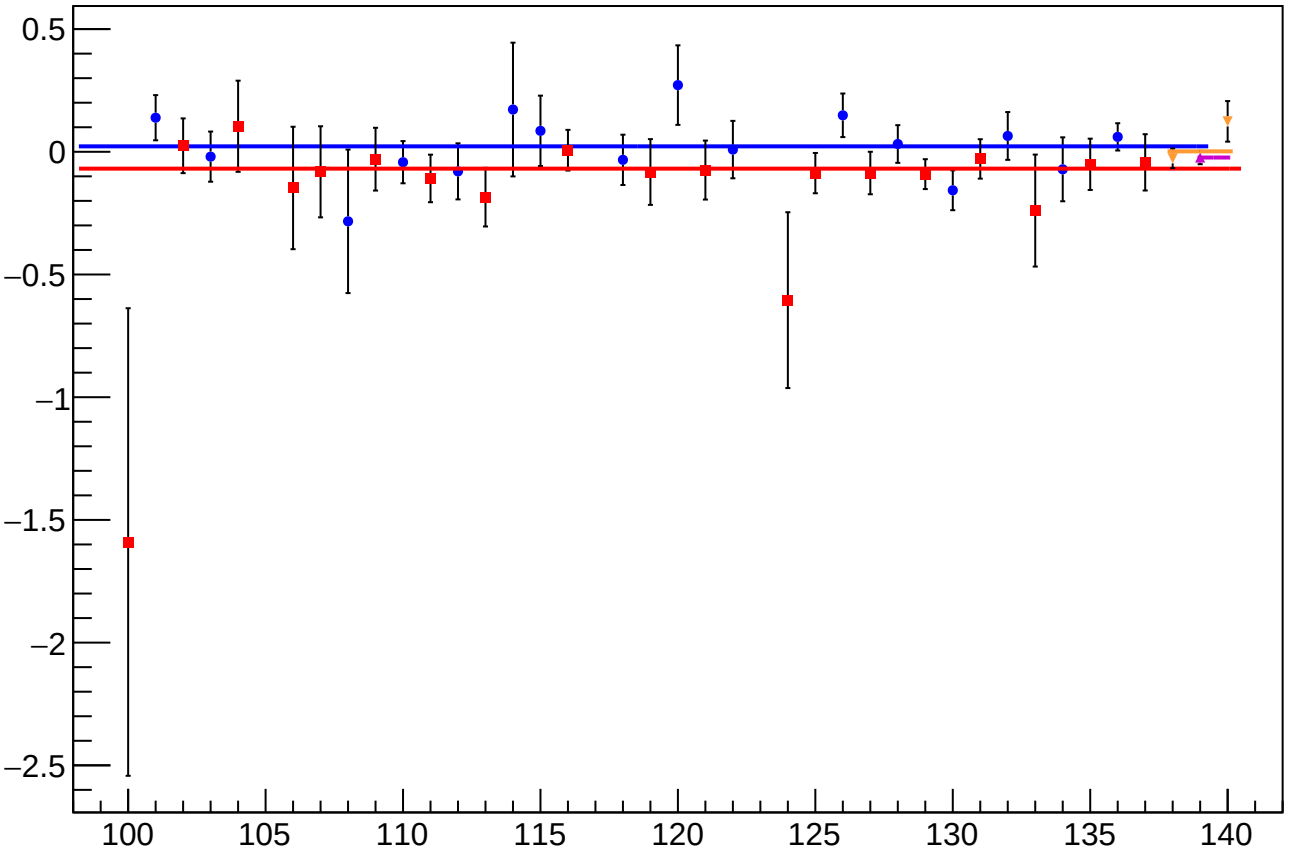
Left: 0.000+/-0.000 χ^2/NDF: 160929.5/2

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:1370645.7/16

Out: 0.000+/-0.000 χ^2/NDF:2833003.9/20

All: 0.000+/-0.000 χ^2/NDF: 4451556.0/37



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.002+/-0.036 χ^2/NDF:2.7/1

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.023+/-0.027 χ^2/NDF:0.0/0

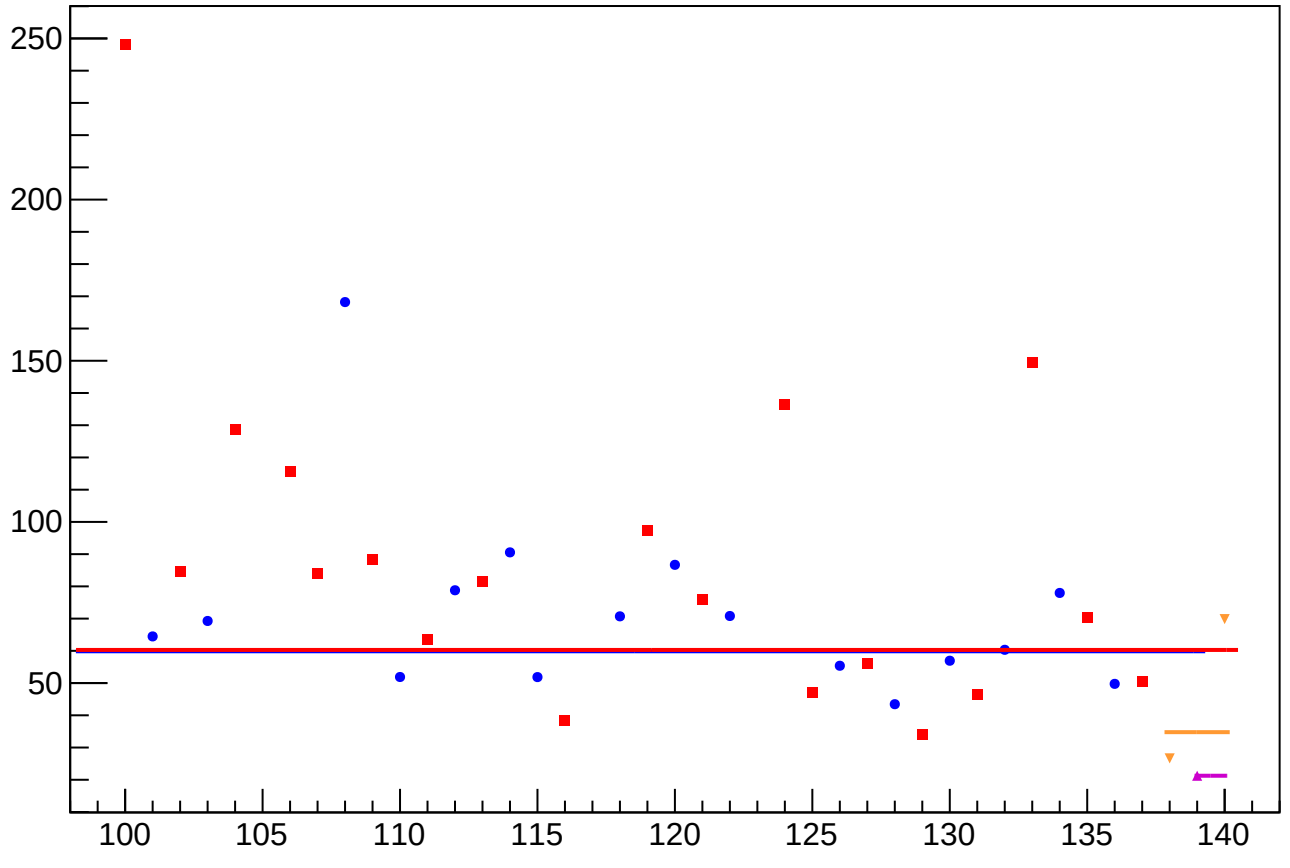
Left: -0.014+/-0.022 χ^2/NDF: 3.0/2

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: 0.002+/-0.018 χ^2/NDF:17.0/16

Out: -0.045+/-0.021 χ^2/NDF:14.9/20

All: -0.019+/-0.014 χ^2/NDF: 34.8/37



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 34.771+/-0.025 χ^2/NDF:443135.6/1

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 21.250+/-0.019 χ^2/NDF:0.0/0

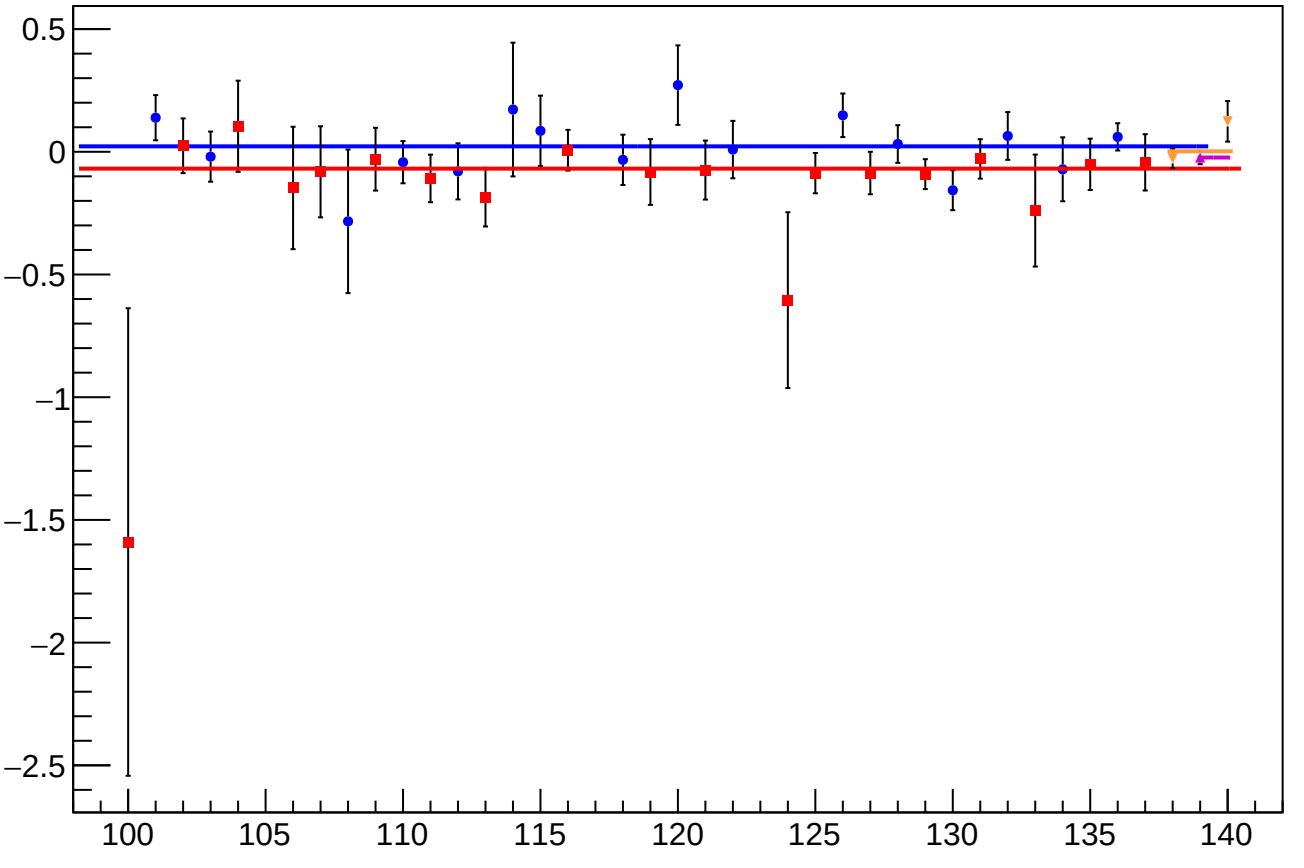
Left: 26.172+/-0.015 χ^2/NDF: 623710.9/2

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 42.398+/-0.013 χ^2/NDF:2915036.3/16

Out: 51.819+/-0.015 χ^2/NDF:3095695.2/20

All: 46.529+/-0.010 χ^2/NDF: 6244136.7/37



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.002+/-0.036 χ^2/NDF:2.7/1

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.023+/-0.027 χ^2/NDF:0.0/0

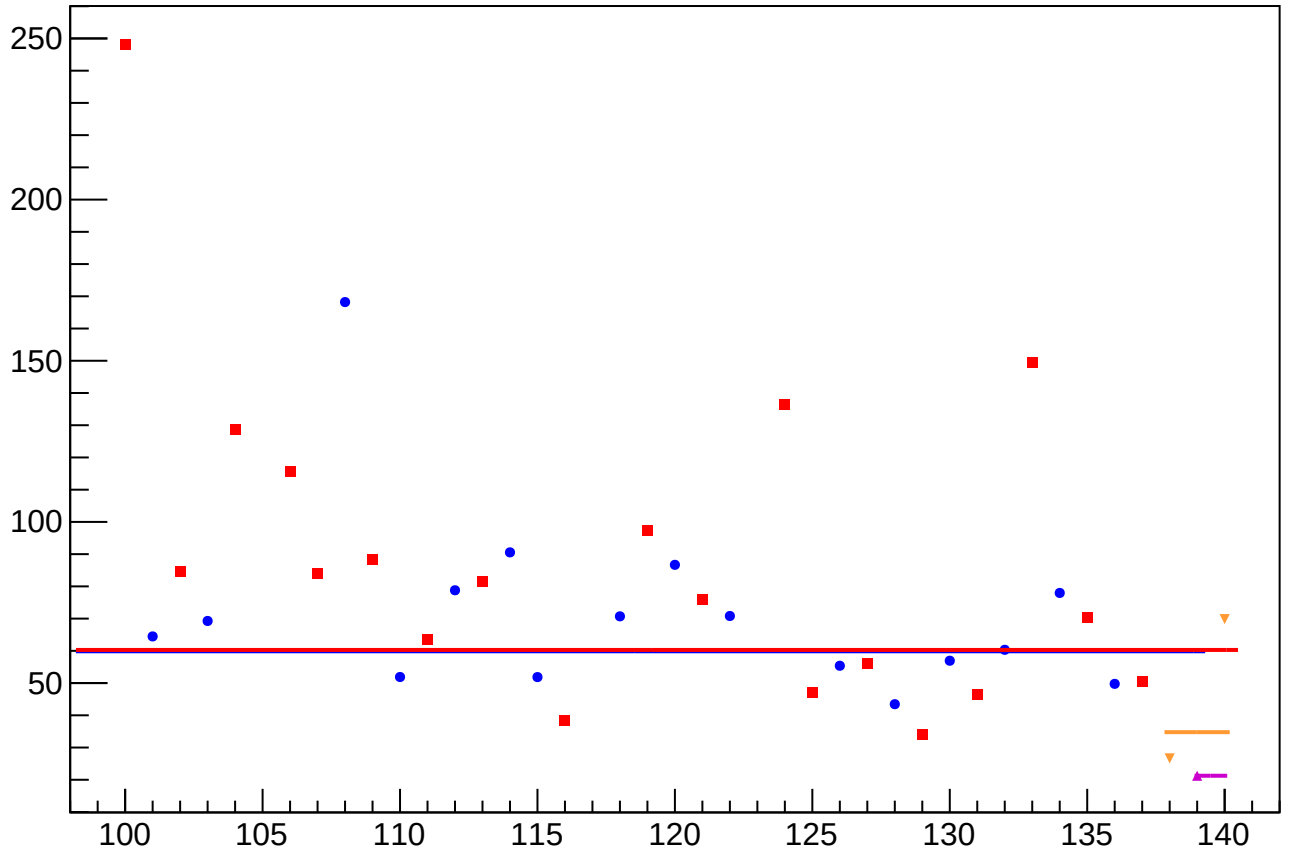
Left: -0.014+/-0.022 χ^2/NDF: 3.0/2

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: 0.002+/-0.018 χ^2/NDF:17.0/16

Out: -0.045+/-0.021 χ^2/NDF:14.9/20

All: -0.019+/-0.014 χ^2/NDF: 34.8/37



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 34.771+/-0.025 χ^2/NDF:443135.6/1

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 21.250+/-0.019 χ^2/NDF:0.0/0

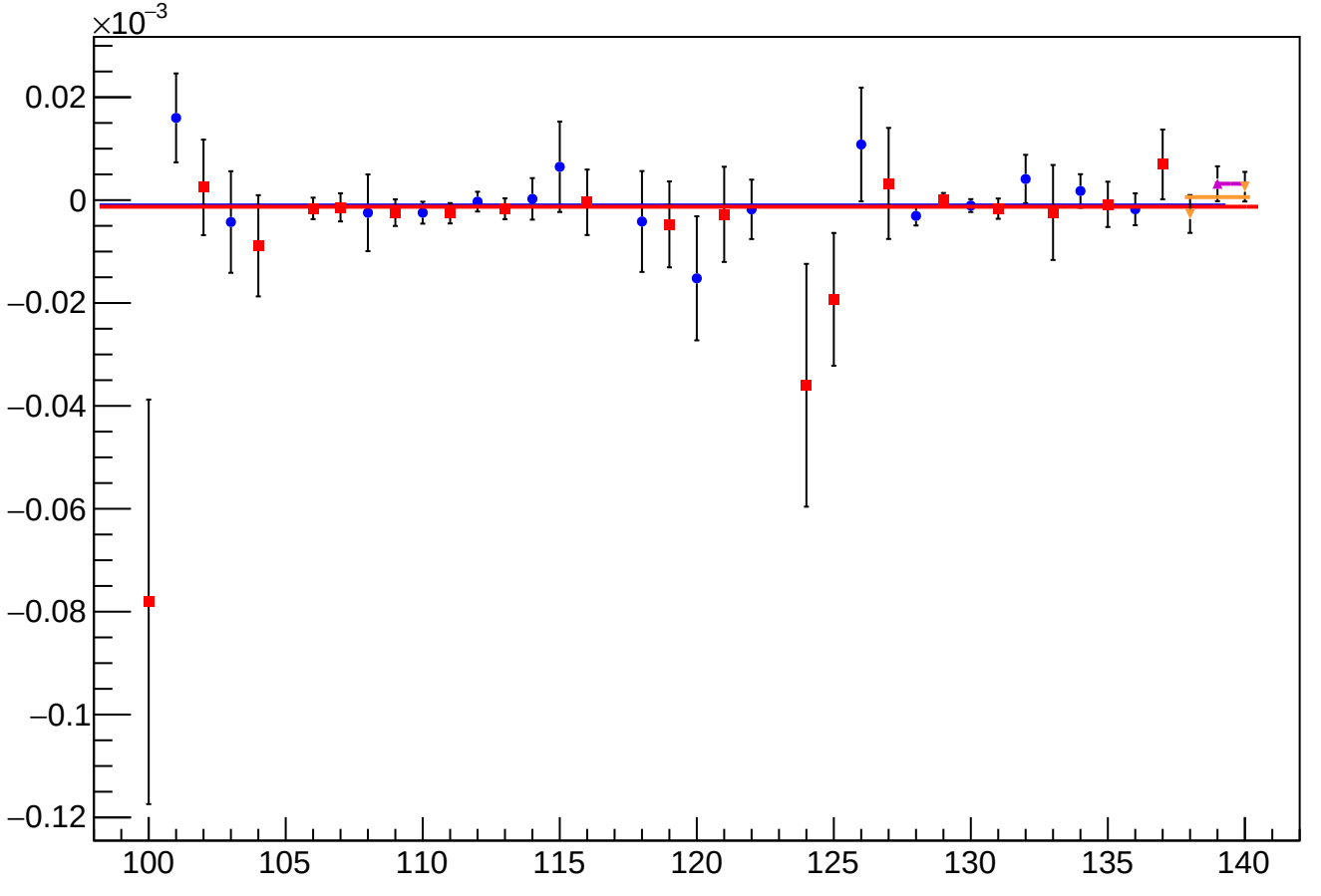
Left: 26.172+/-0.015 χ^2/NDF: 623710.9/2

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 42.398+/-0.013 χ^2/NDF:2915036.3/16

Out: 51.819+/-0.015 χ^2/NDF:3095695.2/20

All: 46.529+/-0.010 χ^2/NDF: 6244136.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

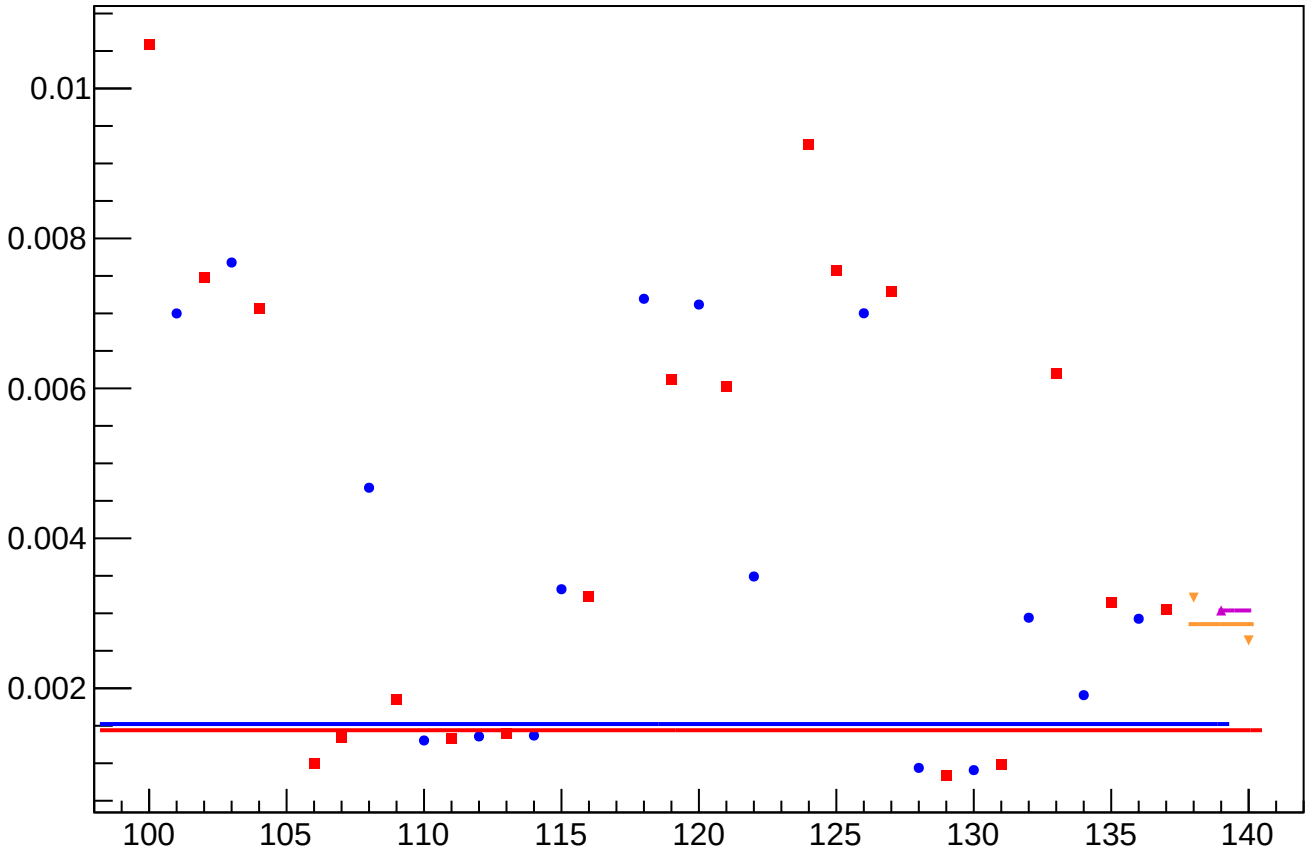
Left: 0.000+/-0.000 χ^2/NDF: 1.7/2

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:12.8/16

Out: -0.000+/-0.000 χ^2/NDF:14.4/20

All: -0.000+/-0.000 χ^2/NDF: 27.2/37



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:29779.5/1

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

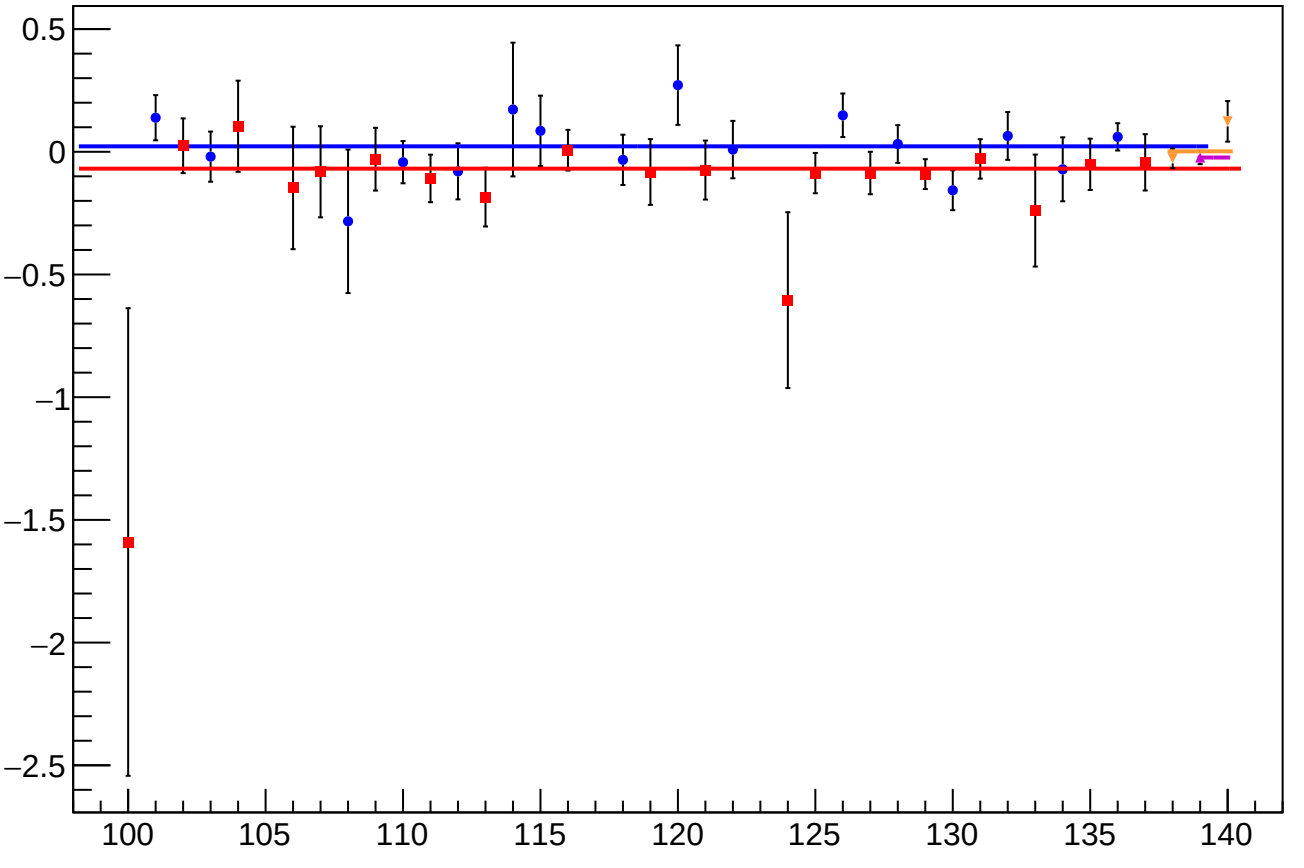
Left: 0.003+/-0.000 χ^2/NDF: 33775.7/2

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:5563866.2/16

Out: 0.002+/-0.000 χ^2/NDF:6529612.2/20

All: 0.002+/-0.000 χ^2/NDF: 12095126.8/37



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.002+/-0.036 χ^2/NDF:2.7/1

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.023+/-0.027 χ^2/NDF:0.0/0

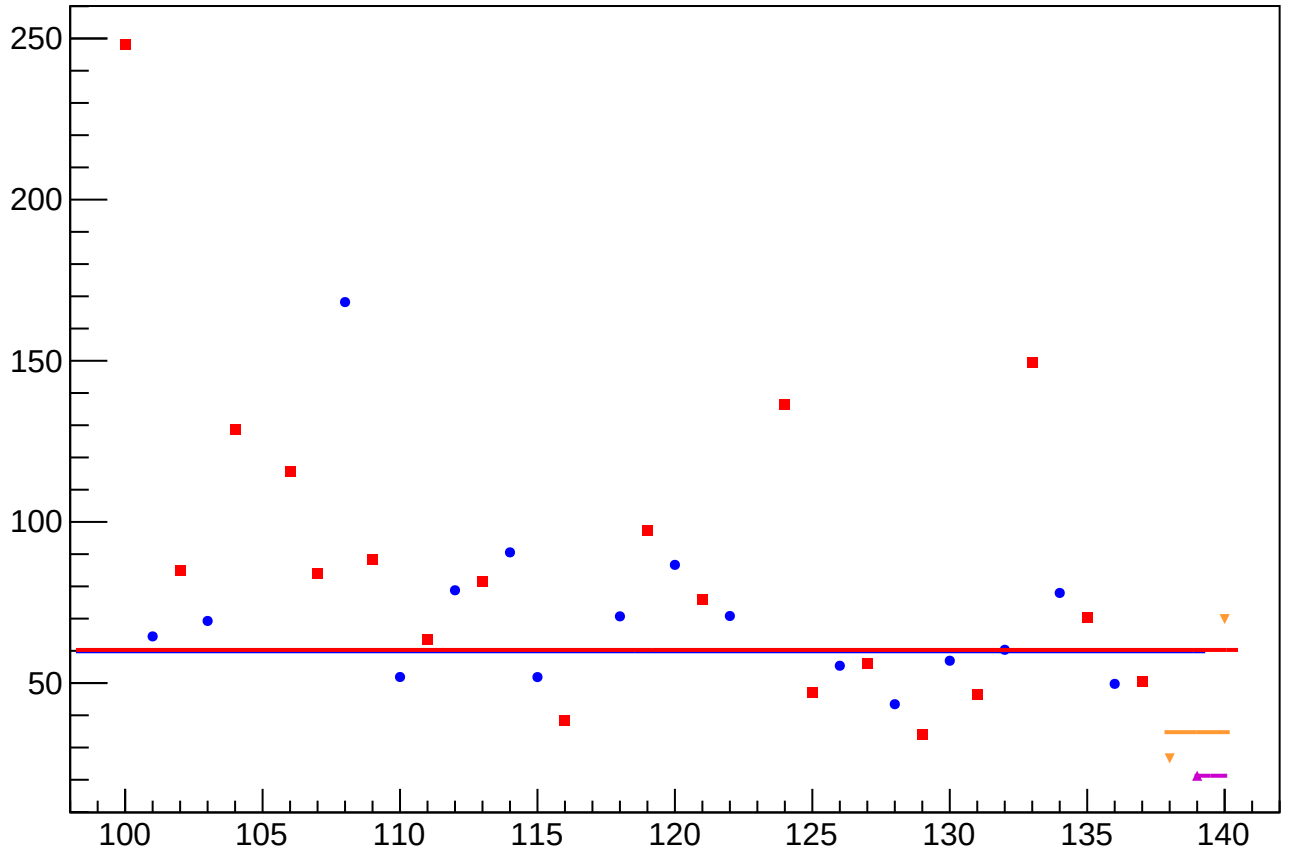
Left: -0.014+/-0.022 χ^2/NDF: 3.0/2

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: 0.002+/-0.018 χ^2/NDF:17.0/16

Out: -0.045+/-0.021 χ^2/NDF:14.9/20

All: -0.019+/-0.014 χ^2/NDF: 34.8/37



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 34.769+/-0.025 χ^2/NDF:443199.3/1

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 21.249+/-0.019 χ^2/NDF:0.0/0

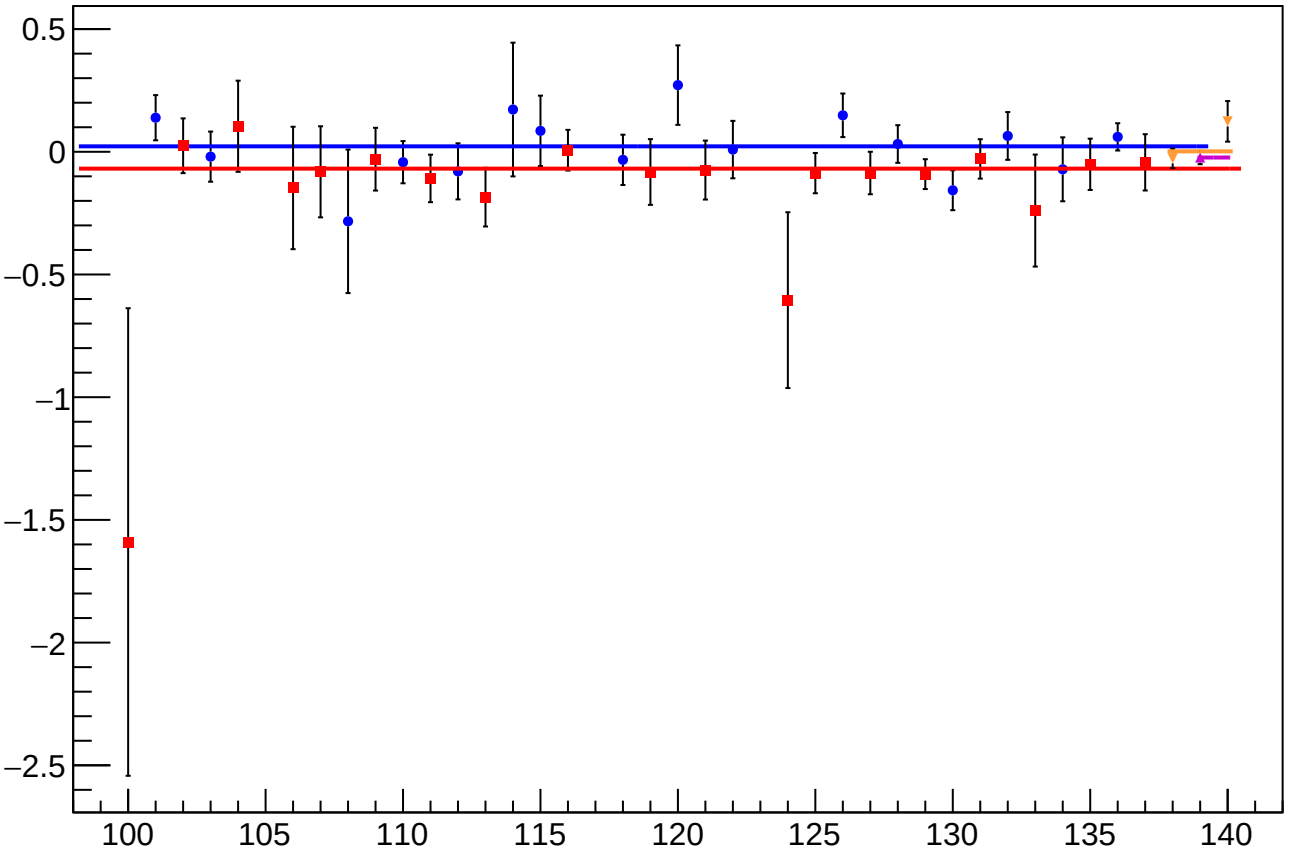
Left: 26.171+/-0.015 χ^2/NDF: 623759.6/2

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 42.397+/-0.013 χ^2/NDF:2915396.5/16

Out: 51.818+/-0.015 χ^2/NDF:3096012.4/20

All: 46.527+/-0.010 χ^2/NDF: 6244833.0/37



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.002+/-0.036 χ^2/NDF:2.7/1

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.023+/-0.027 χ^2/NDF:0.0/0

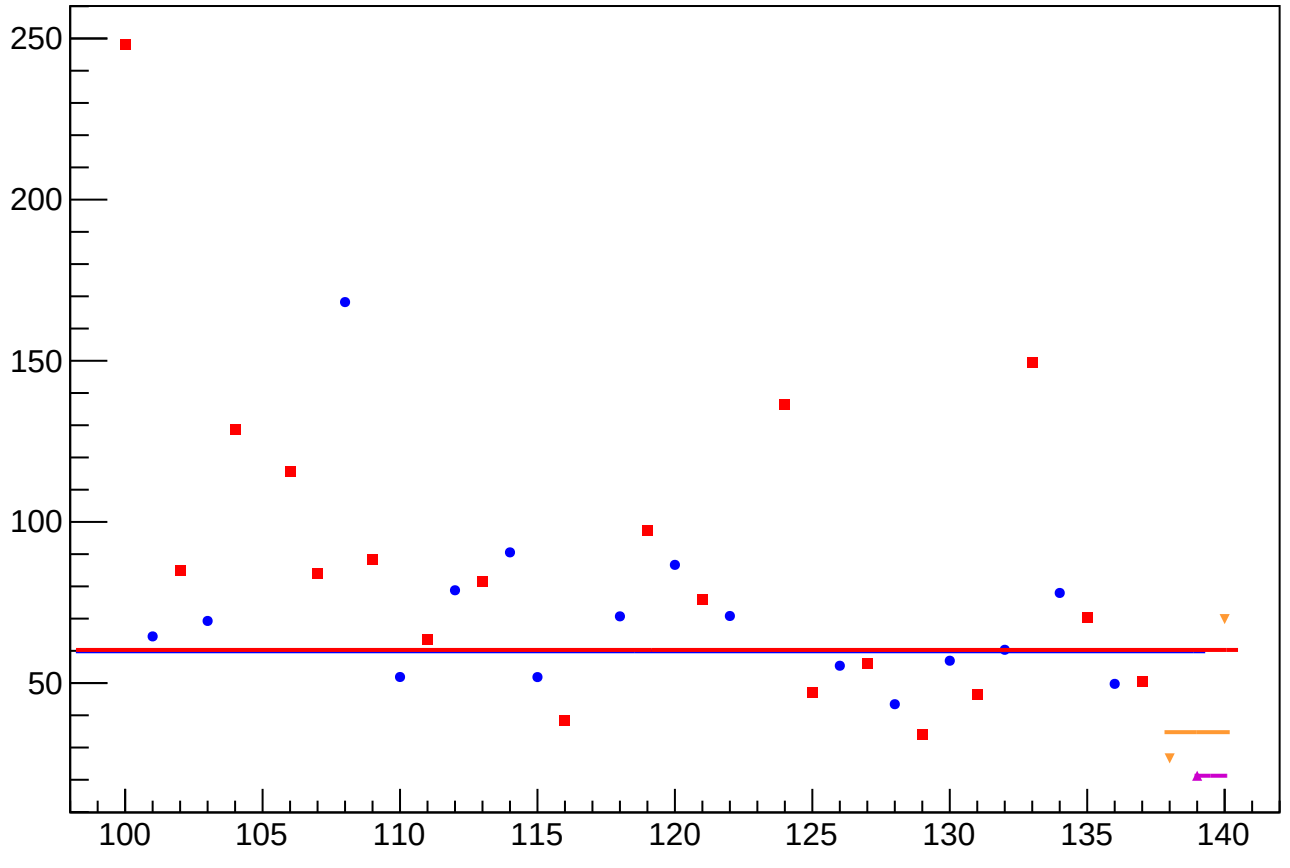
Left: -0.014+/-0.022 χ^2/NDF: 3.0/2

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: 0.002+/-0.018 χ^2/NDF:17.0/16

Out: -0.045+/-0.021 χ^2/NDF:14.9/20

All: -0.019+/-0.014 χ^2/NDF: 34.8/37



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 34.769+/-0.025 χ^2/NDF:443199.3/1

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 21.249+/-0.019 χ^2/NDF:0.0/0

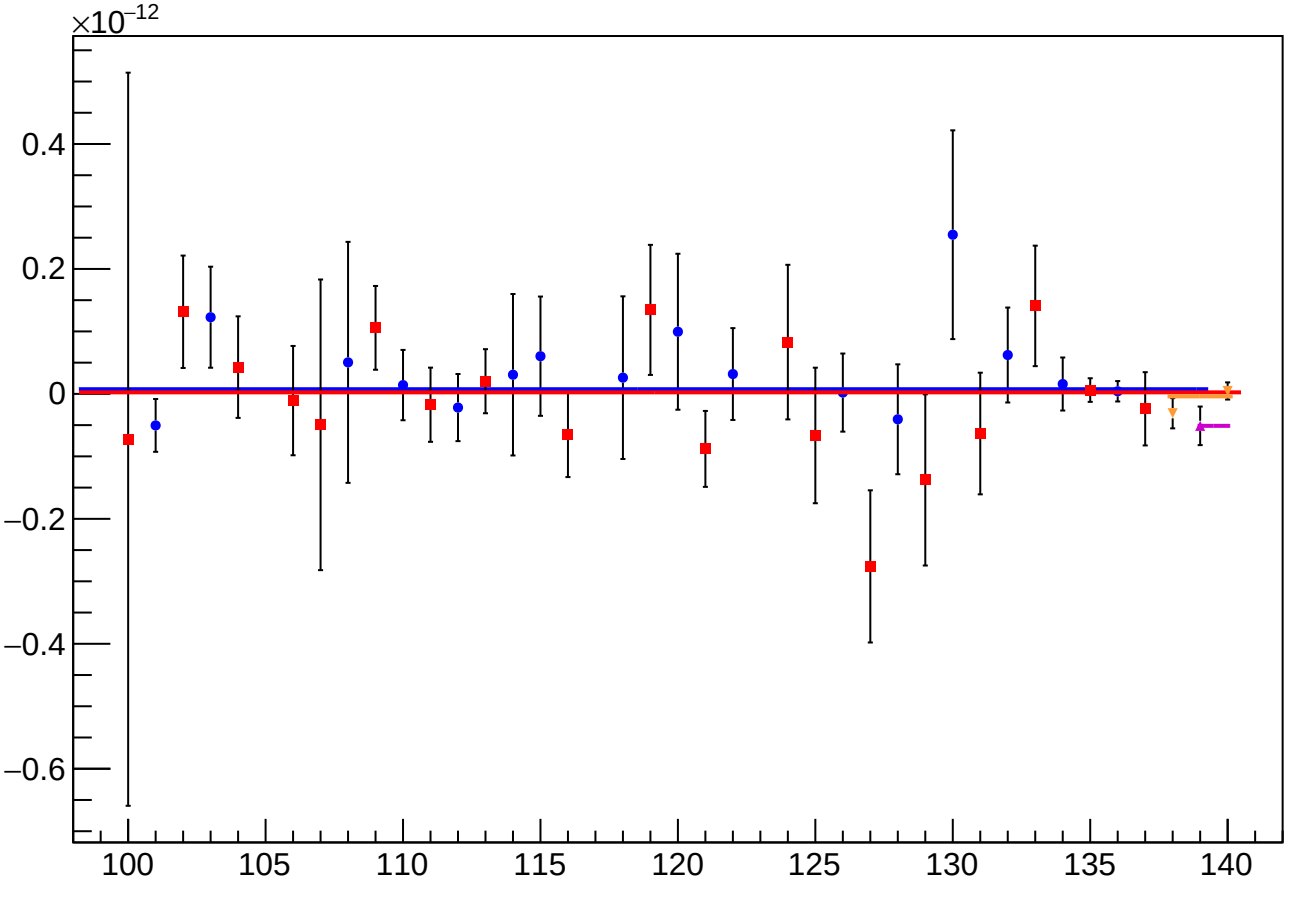
Left: 26.171+/-0.015 χ^2/NDF: 623759.6/2

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 42.397+/-0.013 χ^2/NDF:2915396.5/16

Out: 51.818+/-0.015 χ^2/NDF:3096012.4/20

All: 46.527+/-0.010 χ^2/NDF: 6244833.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

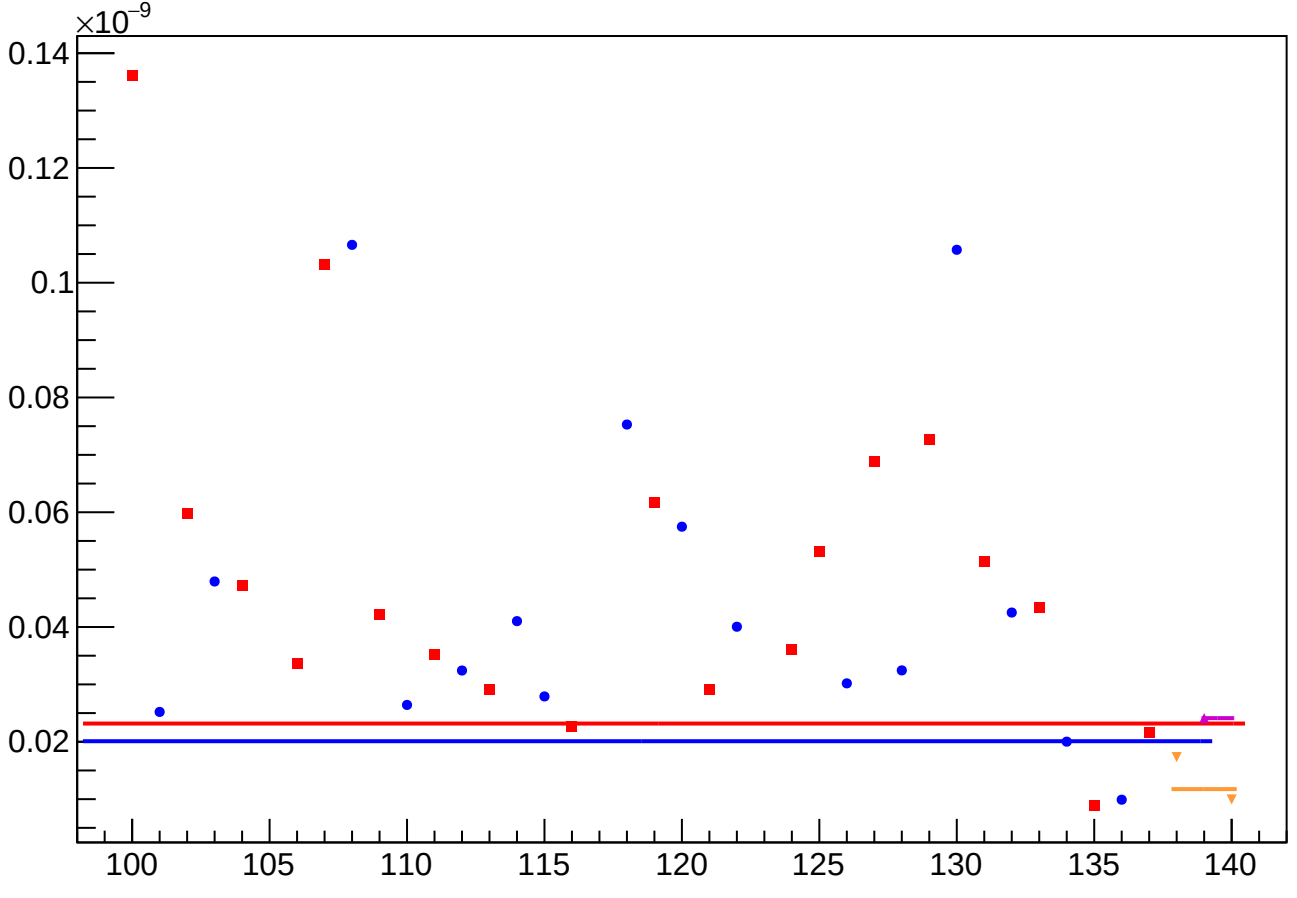
Left: -0.000+/-0.000 χ^2/NDF: 3.7/2

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:11.5/16

Out: -0.000+/-0.000 χ^2/NDF:21.4/20

All: -0.000+/-0.000 χ^2/NDF: 32.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:140434.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

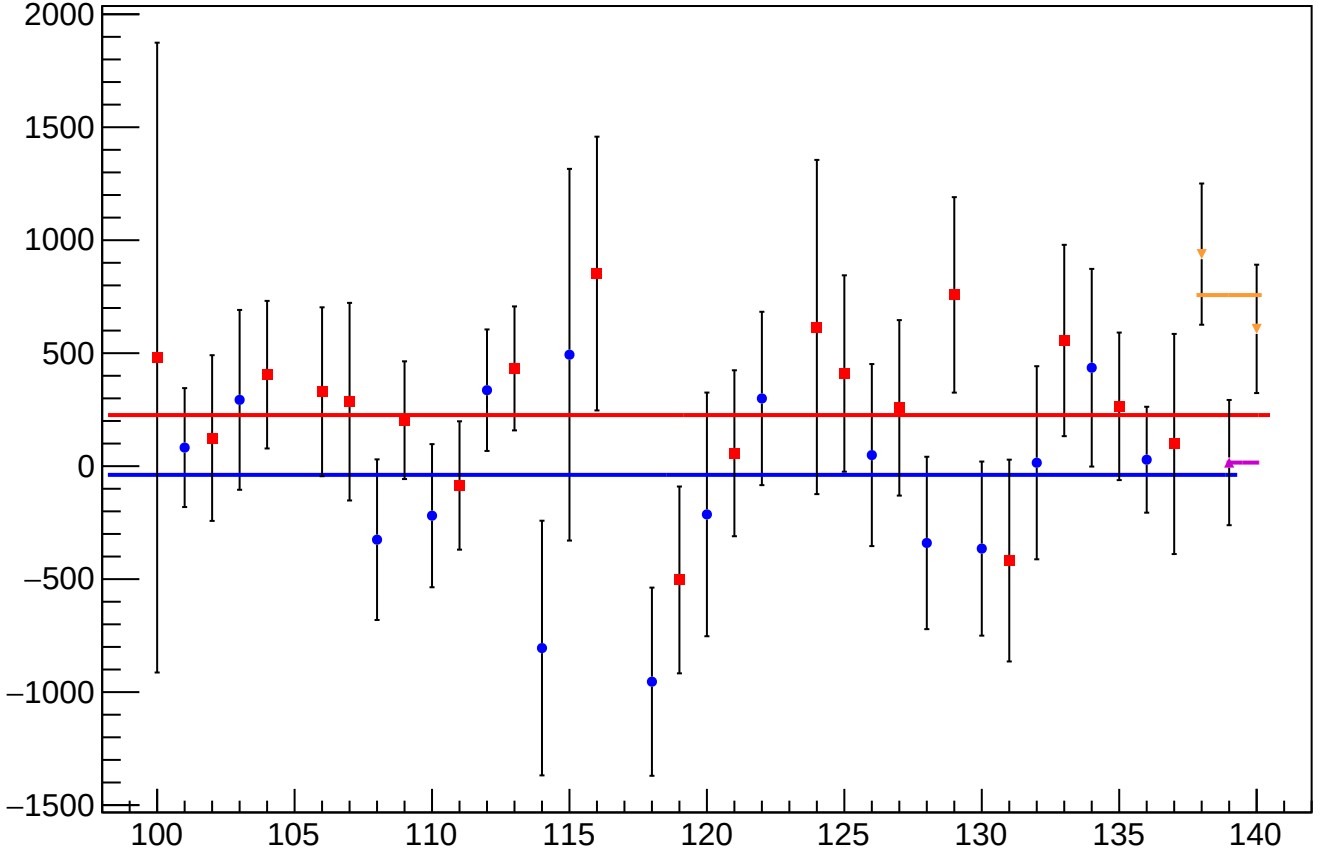
Left: 0.000+/-0.000 χ^2/NDF: 419815.8/2

Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:3150827.2/16

Out: 0.000+/-0.000 χ^2/NDF:4473177.0/20

All: 0.000+/-0.000 χ^2/NDF: 7768575.5/37



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 757.265+/-210.214 χ^2/NDF:0.6/1

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 15.854+/-277.130 χ^2/NDF:0.0/0

Left: 486.477+/-167.482 χ^2/NDF: 5.2/2

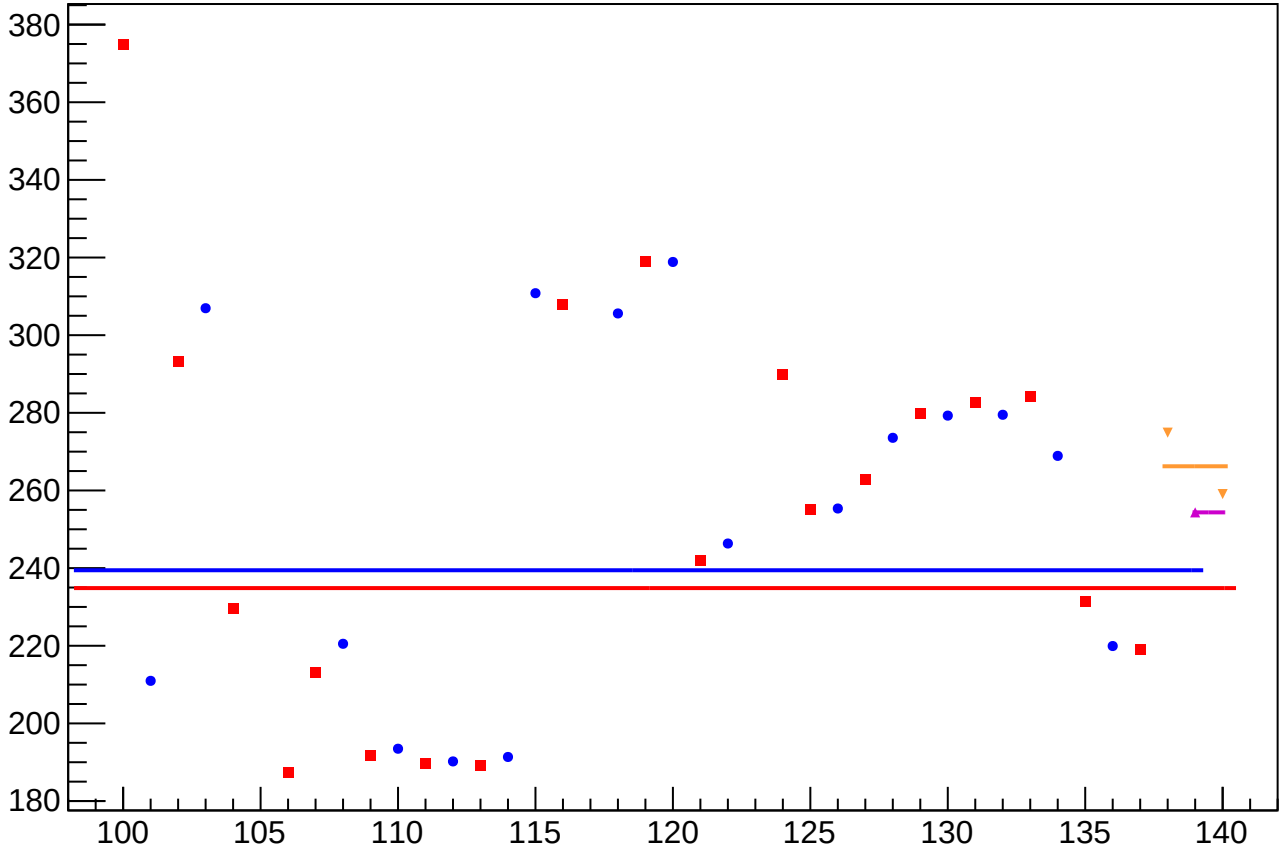
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: -33.248+/-86.131 χ^2/NDF:14.5/16

Out: 305.220+/-81.102 χ^2/NDF:17.5/20

All: 146.155+/-59.046 χ^2/NDF: 40.2/37

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 266.231+/-0.149 χ^2/NDF:2805.4/1

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 254.358+/-0.196 χ^2/NDF:0.0/0

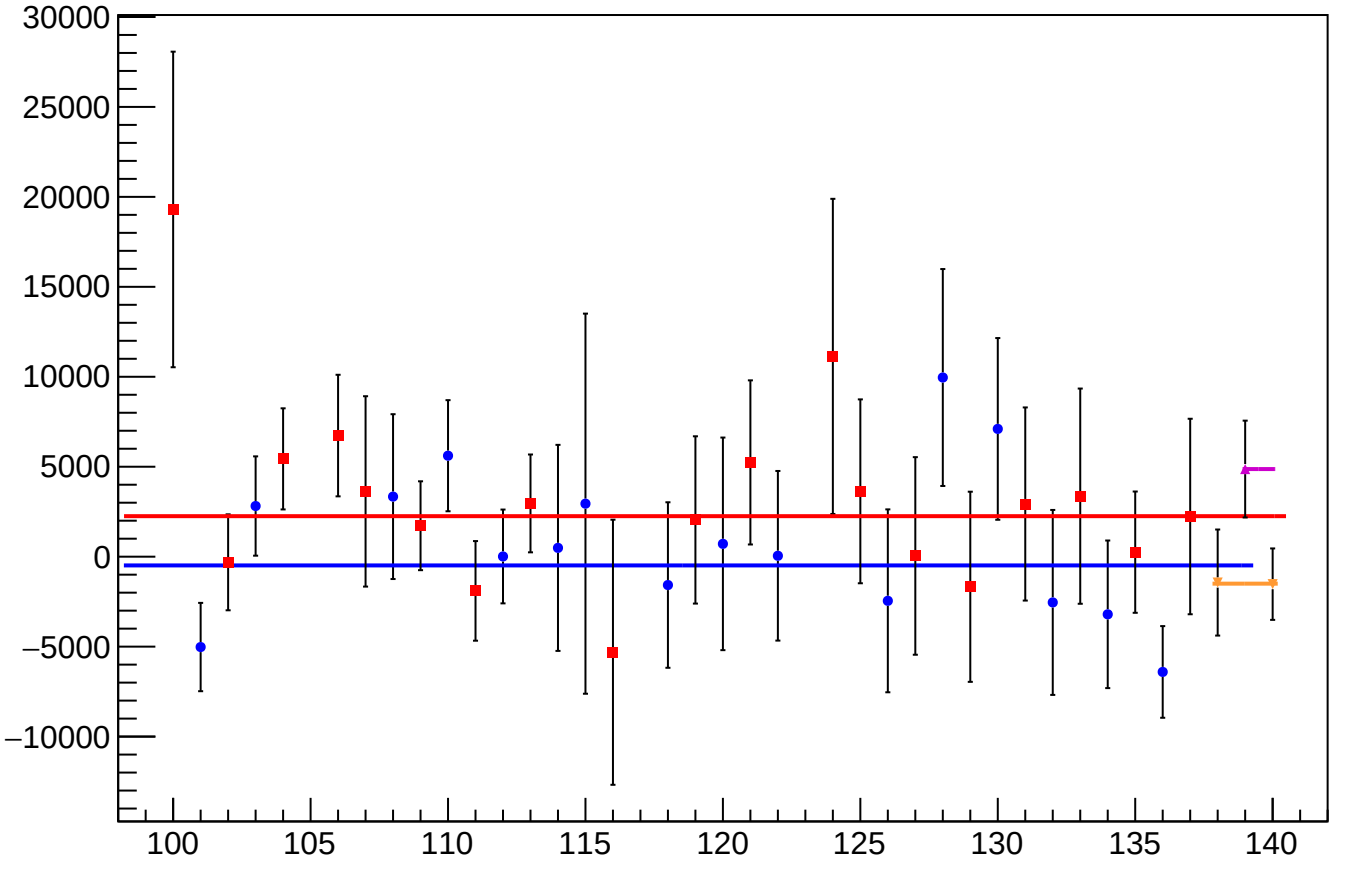
Left: 261.894+/-0.118 χ^2/NDF: 5135.3/2

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 240.889+/-0.061 χ^2/NDF:406185.2/16

Out: 239.525+/-0.057 χ^2/NDF:522444.5/20

All: 240.166+/-0.042 χ^2/NDF: 928895.7/37



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -1499.277+/-1646.691 χ^2/NDF:0.0/1

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 4870.265+/-2690.919 χ^2/NDF:0.0/0

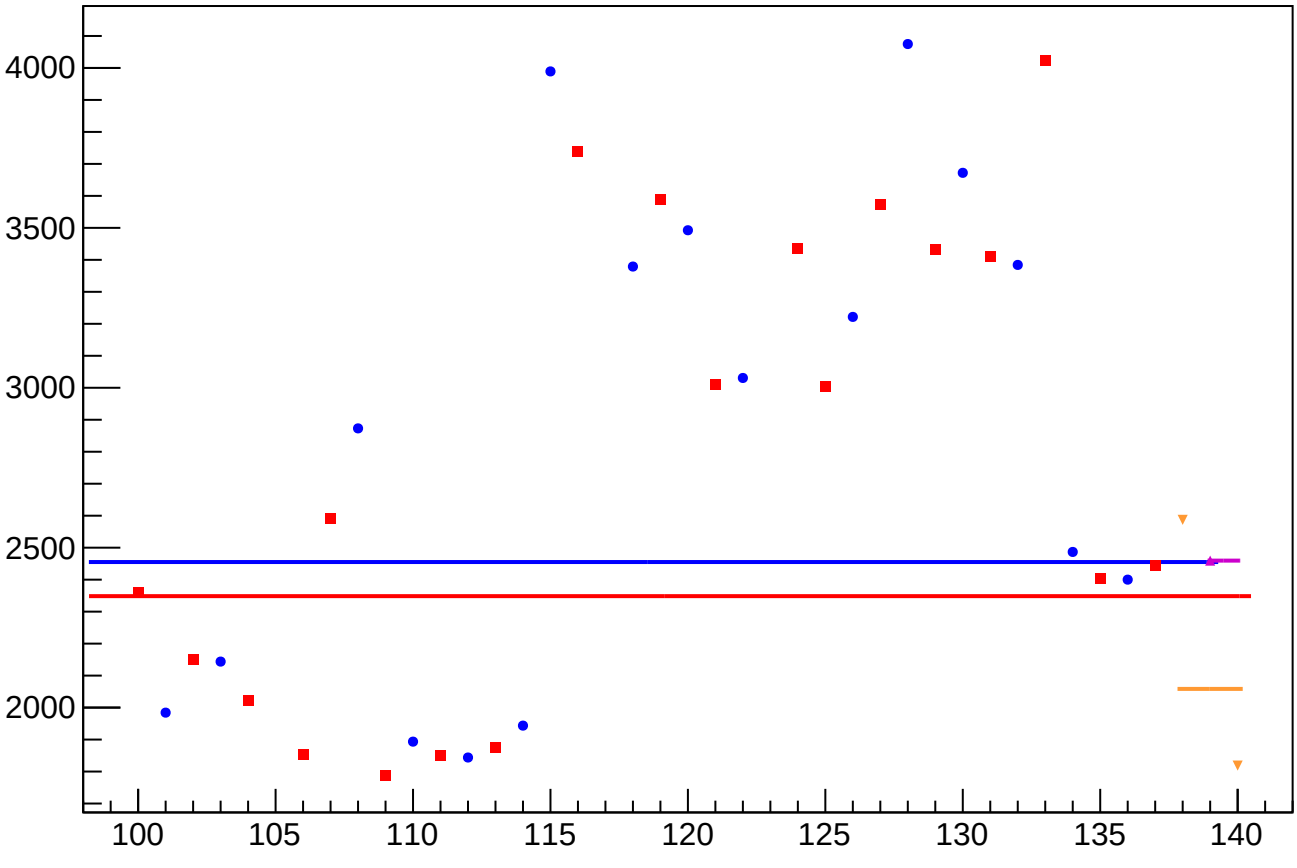
Left: 236.102+/-1404.571 χ^2/NDF: 4.1/2

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 104.841+/-893.682 χ^2/NDF:24.7/16

Out: 1397.695+/-785.795 χ^2/NDF:17.9/20

All: 833.978+/-590.118 χ^2/NDF: 43.7/37



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2058.413+/-1.164 χ^2/NDF:93497.8/1

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2459.543+/-1.903 χ^2/NDF:0.0/0

Left: 2167.701+/-0.993 χ^2/NDF: 125832.0/2

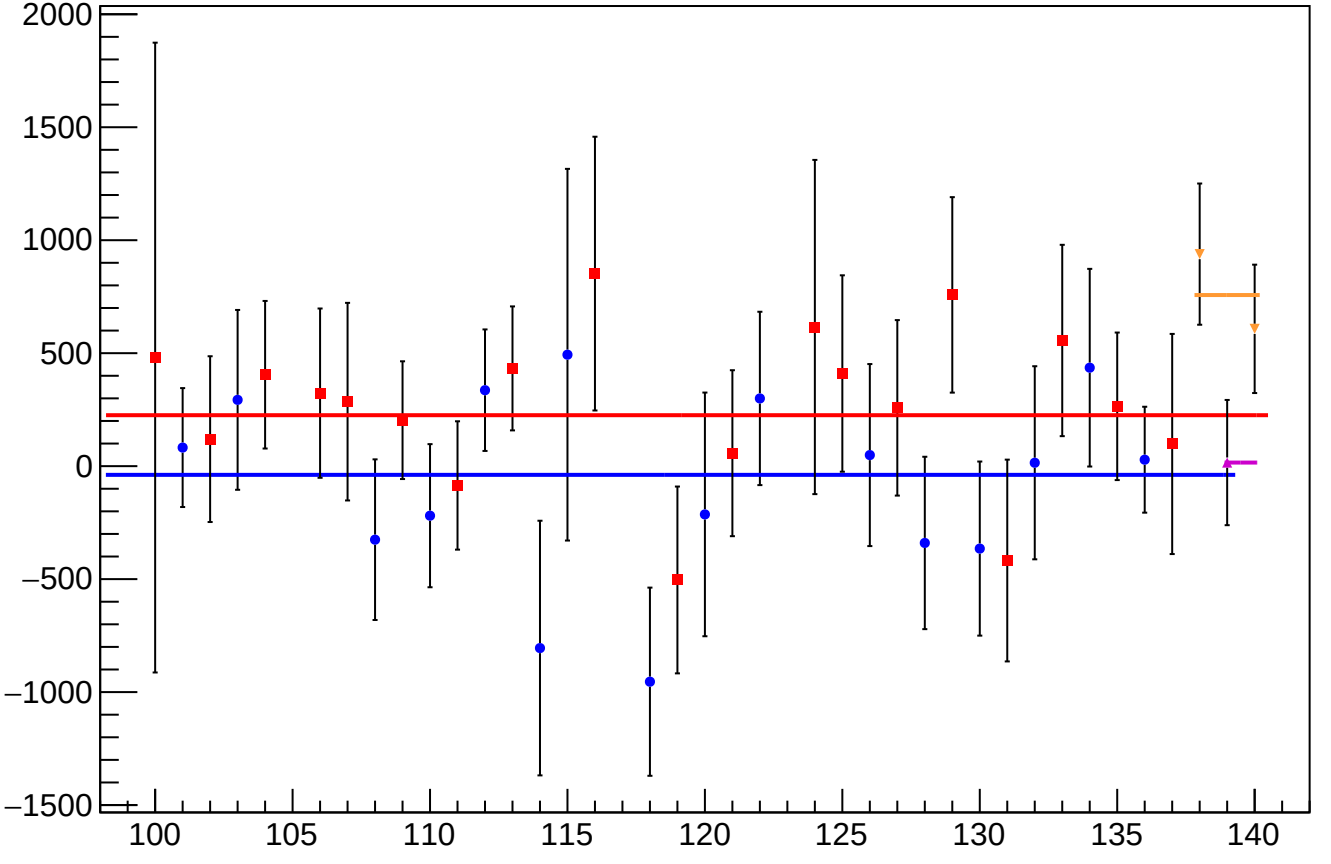
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2455.593+/-0.632 χ^2/NDF:894394.5/16

Out: 2282.401+/-0.556 χ^2/NDF:1193835.2/20

All: 2357.917+/-0.417 χ^2/NDF: 2130591.8/37

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 757.296+/-210.214 χ^2/NDF:0.6/1

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 15.859+/-277.130 χ^2/NDF:0.0/0

Left: 486.499+/-167.482 χ^2/NDF: 5.2/2

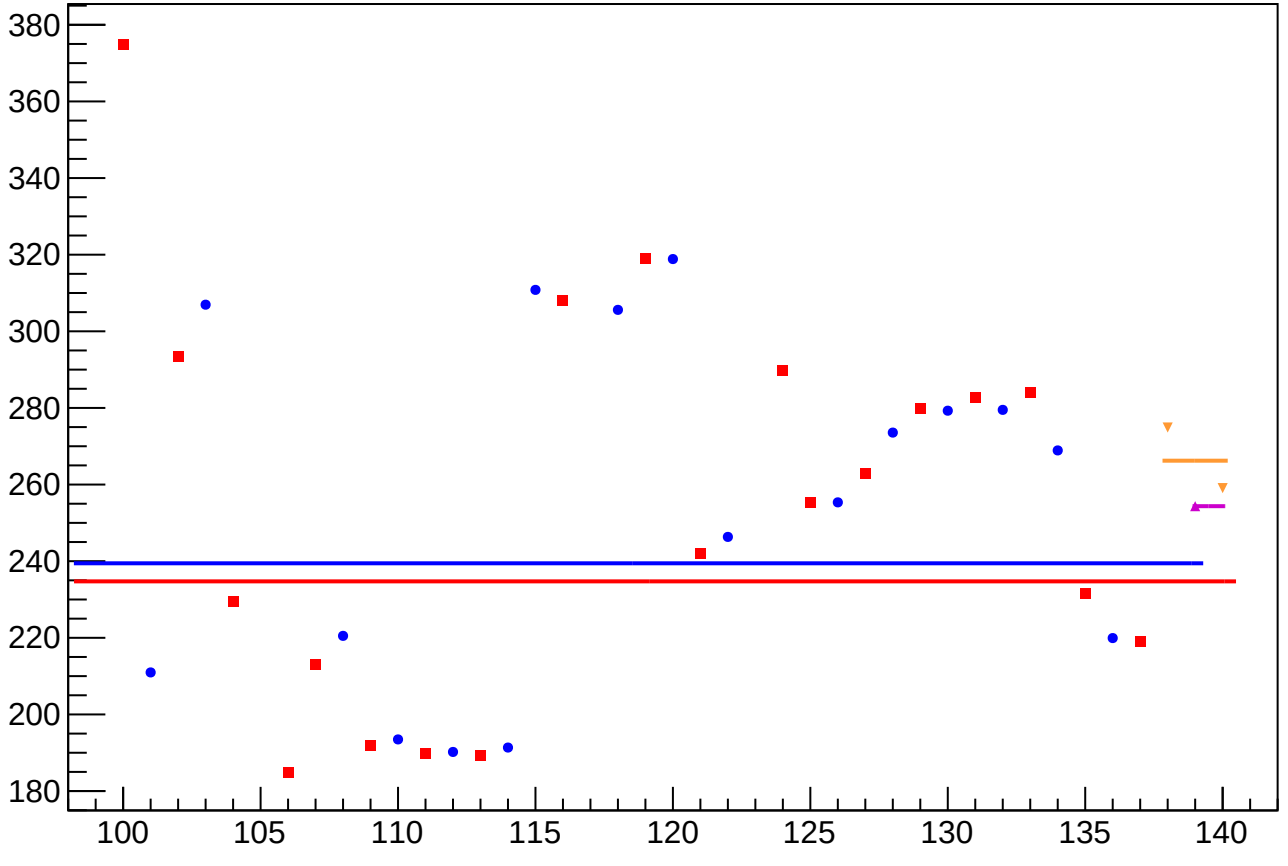
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: -33.267+/-86.131 χ^2/NDF:14.5/16

Out: 304.690+/-81.113 χ^2/NDF:17.5/20

All: 145.843+/-59.050 χ^2/NDF: 40.1/37

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 266.231+/-0.149 χ^2/NDF:2805.4/1

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.358+/-0.196 χ^2/NDF:0.0/0

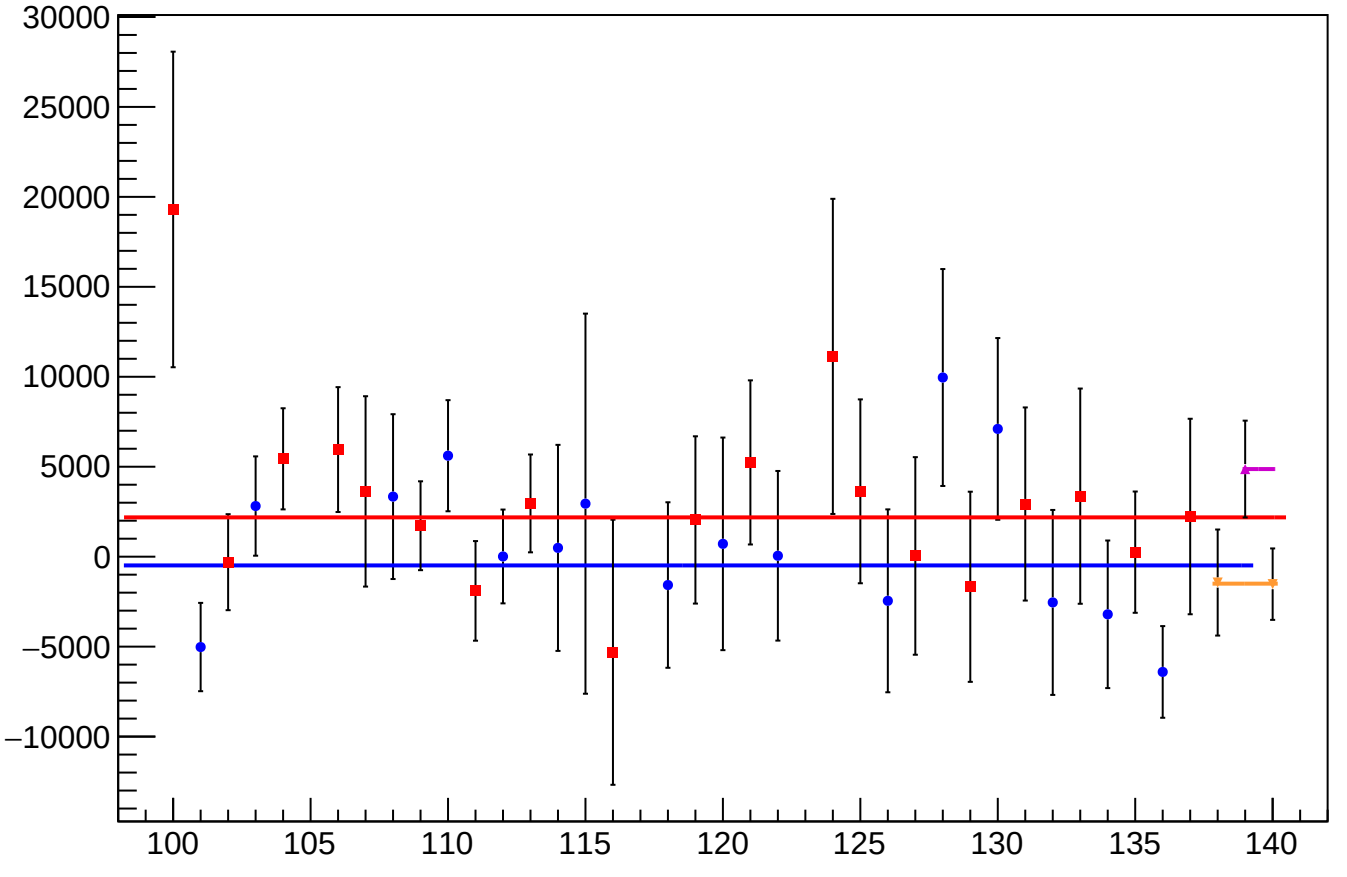
Left: 261.894+/-0.118 χ^2/NDF: 5135.3/2

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 240.889+/-0.061 χ^2/NDF:406187.5/16

Out: 239.422+/-0.057 χ^2/NDF:526260.6/20

All: 240.112+/-0.042 χ^2/NDF: 932755.5/37



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1499.249+/-1646.690 χ^2/NDF:0.0/1

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 4870.280+/-2690.917 χ^2/NDF:0.0/0

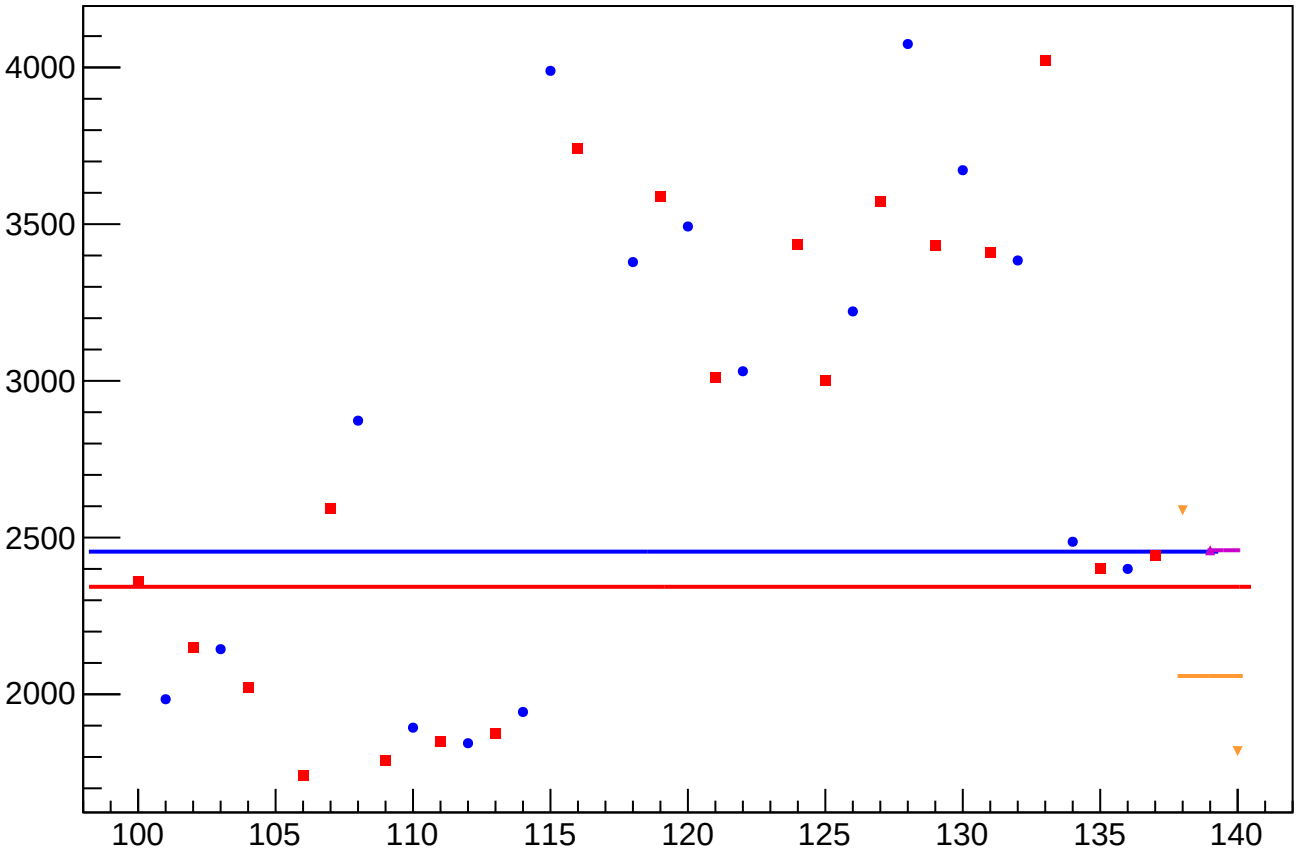
Left: 236.127+/-1404.570 χ^2/NDF: 4.1/2

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 104.701+/-893.689 χ^2/NDF:24.7/16

Out: 1343.457+/-786.942 χ^2/NDF:17.1/20

All: 802.443+/-590.605 χ^2/NDF: 42.9/37



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2058.411+/-1.164 χ^2/NDF:93497.8/1

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2459.540+/-1.903 χ^2/NDF:0.0/0

Left: 2167.699+/-0.993 χ^2/NDF: 125831.9/2

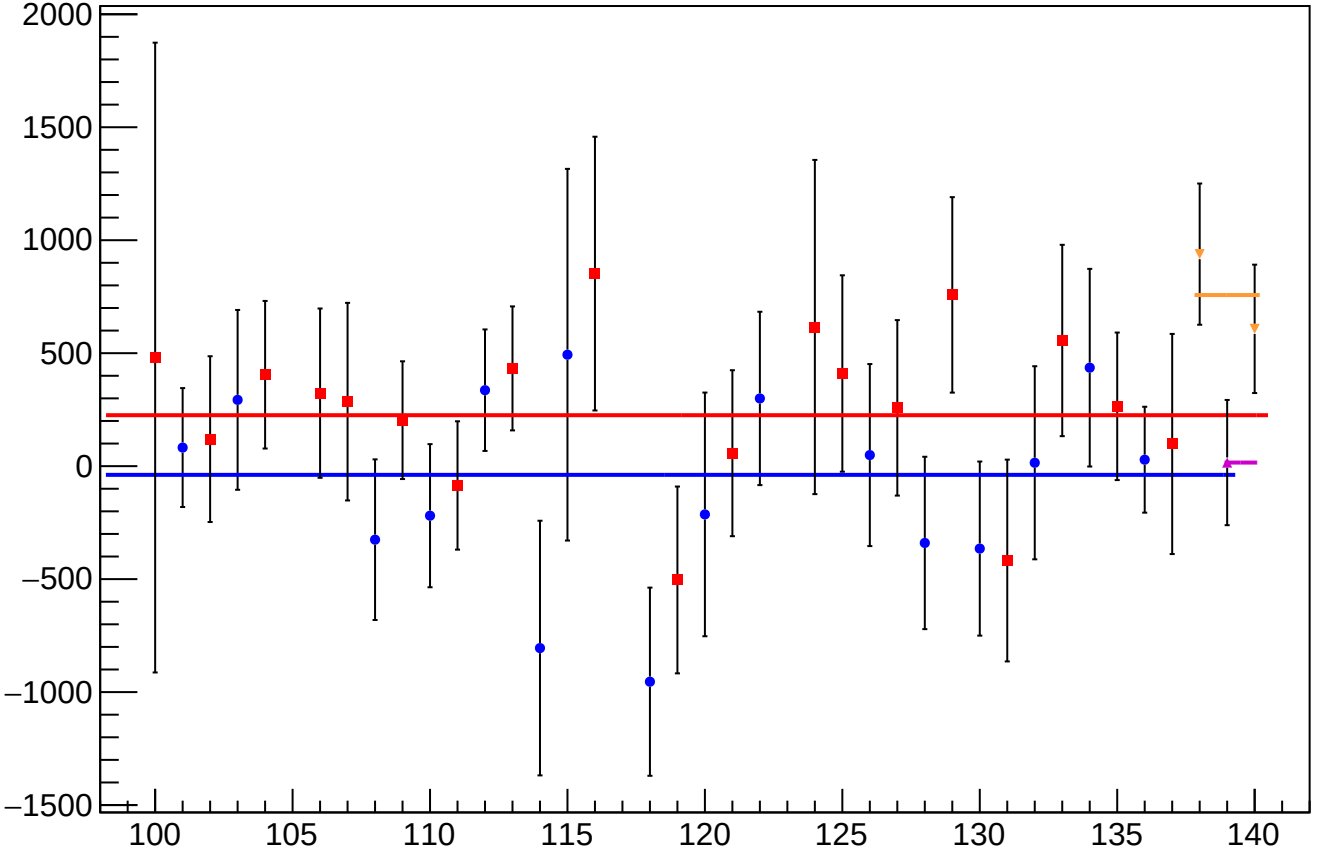
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2455.614+/-0.632 χ^2/NDF:894363.1/16

Out: 2277.971+/-0.556 χ^2/NDF:1209965.0/20

All: 2355.555+/-0.418 χ^2/NDF: 2148838.9/37

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 757.296+/-210.214 χ^2/NDF:0.6/1

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 15.859+/-277.130 χ^2/NDF:0.0/0

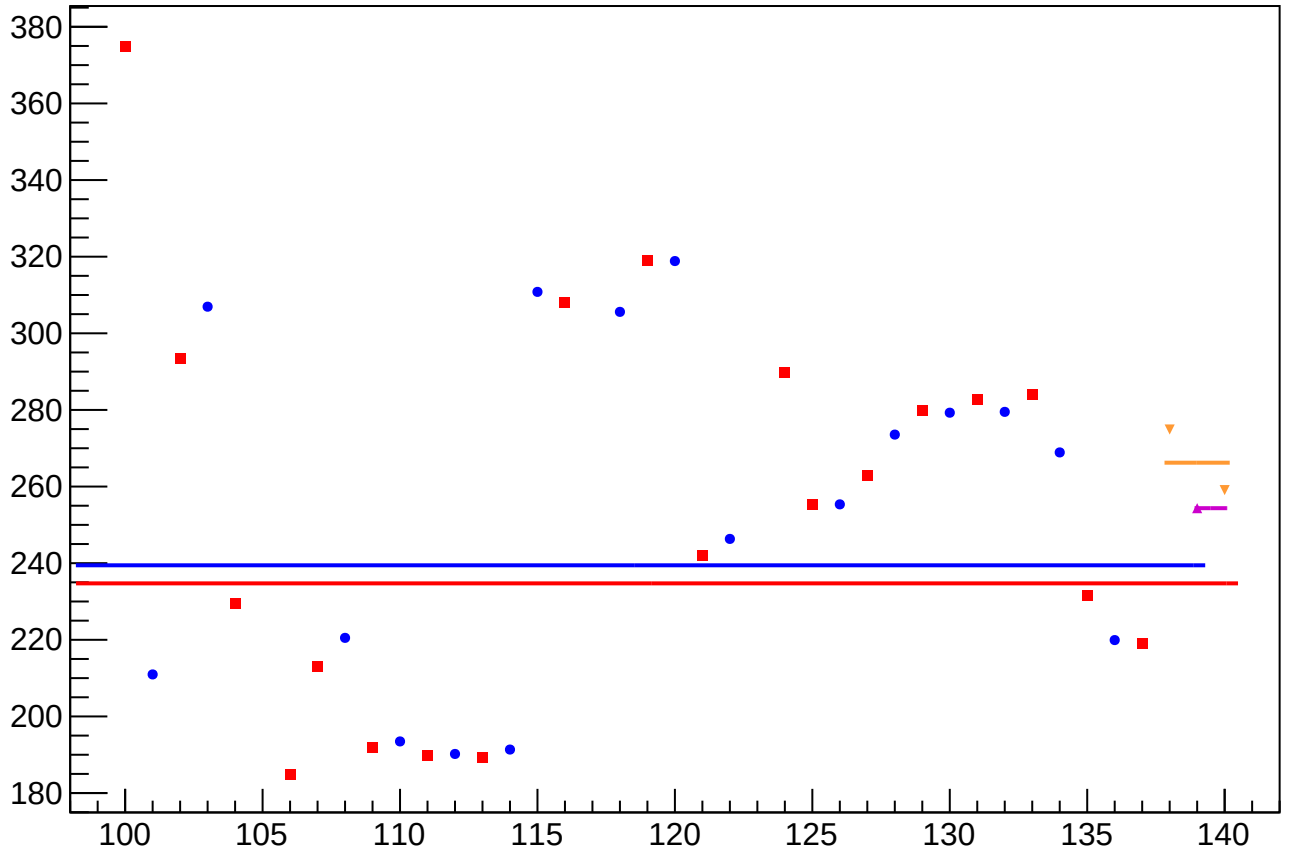
Left: 486.499+/-167.482 χ^2/NDF: 5.2/2

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: -33.267+/-86.131 χ^2/NDF:14.5/16

Out: 304.690+/-81.113 χ^2/NDF:17.5/20

All: 145.843+/-59.050 χ^2/NDF: 40.1/37



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 266.231+/-0.149 χ^2/NDF:2805.4/1

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.358+/-0.196 χ^2/NDF:0.0/0

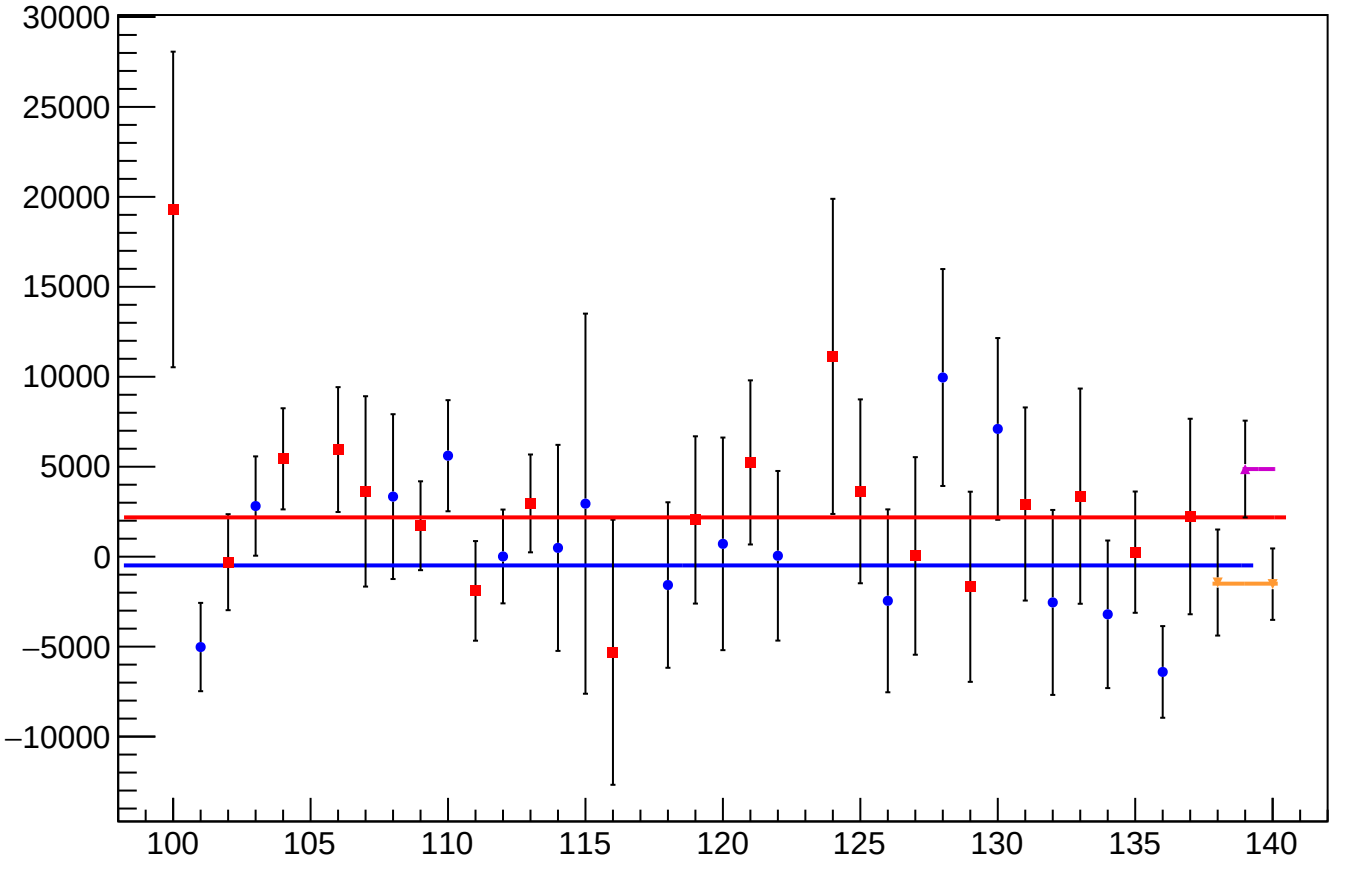
Left: 261.894+/-0.118 χ^2/NDF: 5135.3/2

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 240.889+/-0.061 χ^2/NDF:406187.5/16

Out: 239.422+/-0.057 χ^2/NDF:526260.6/20

All: 240.112+/-0.042 χ^2/NDF: 932755.5/37



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1499.249+/-1646.690 χ^2/NDF:0.0/1

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 4870.280+/-2690.917 χ^2/NDF:0.0/0

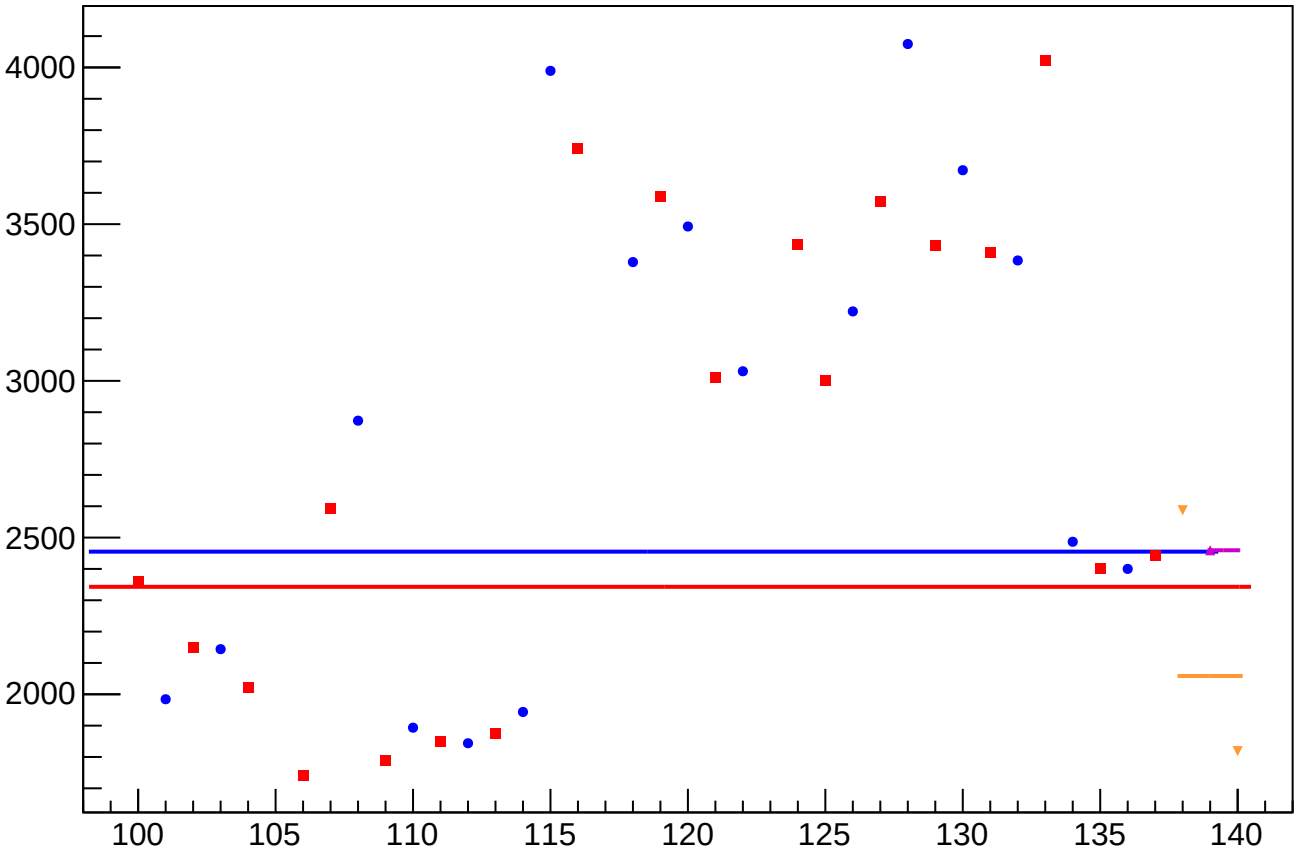
Left: 236.127+/-1404.570 χ^2/NDF: 4.1/2

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 104.701+/-893.689 χ^2/NDF:24.7/16

Out: 1343.457+/-786.942 χ^2/NDF:17.1/20

All: 802.443+/-590.605 χ^2/NDF: 42.9/37



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2058.411+/-1.164 χ^2/NDF:93497.8/1

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2459.540+/-1.903 χ^2/NDF:0.0/0

Left: 2167.699+/-0.993 χ^2/NDF: 125831.9/2

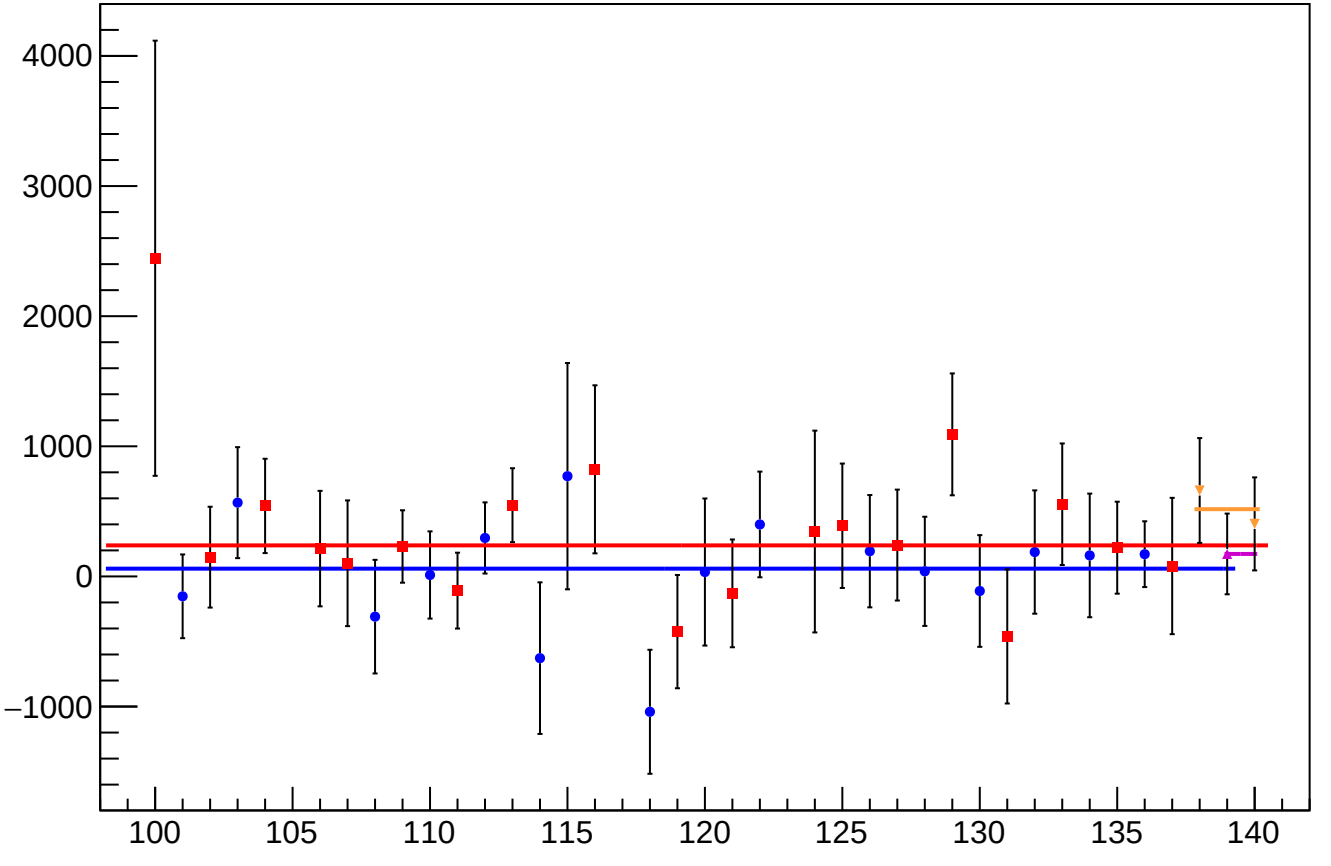
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2455.614+/-0.632 χ^2/NDF:894363.1/16

Out: 2277.971+/-0.556 χ^2/NDF:1209965.0/20

All: 2355.555+/-0.418 χ^2/NDF: 2148838.9/37

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 516.828+/-267.341 χ^2/NDF:0.2/1

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 172.741+/-310.155 χ^2/NDF:0.0/0

Left: 370.155+/-202.498 χ^2/NDF: 0.9/2

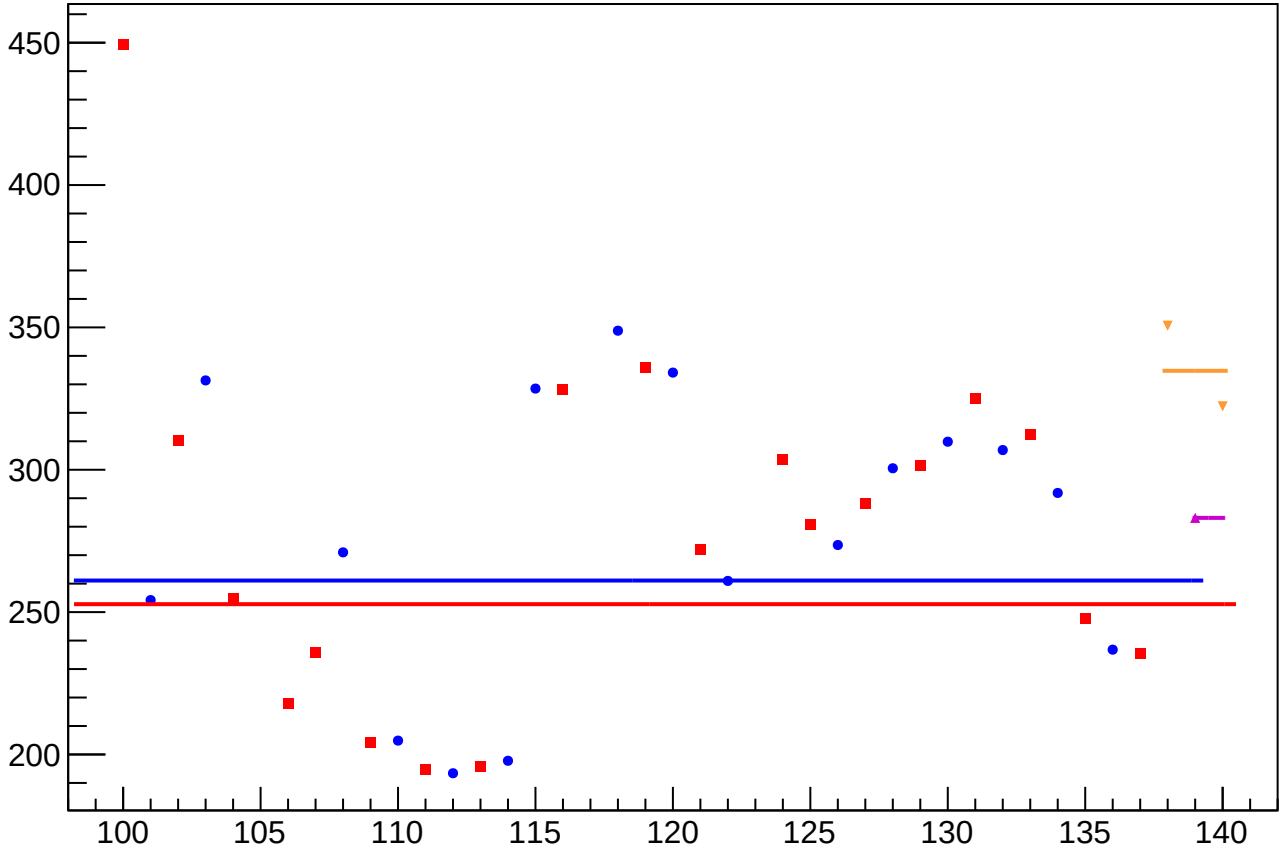
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 70.222+/-94.510 χ^2/NDF:12.1/16

Out: 269.756+/-89.568 χ^2/NDF:16.1/20

All: 175.342+/-65.011 χ^2/NDF: 30.6/37

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 334.756+/-0.189 χ^2/NDF:5529.7/1

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 283.102+/-0.219 χ^2/NDF:0.0/0

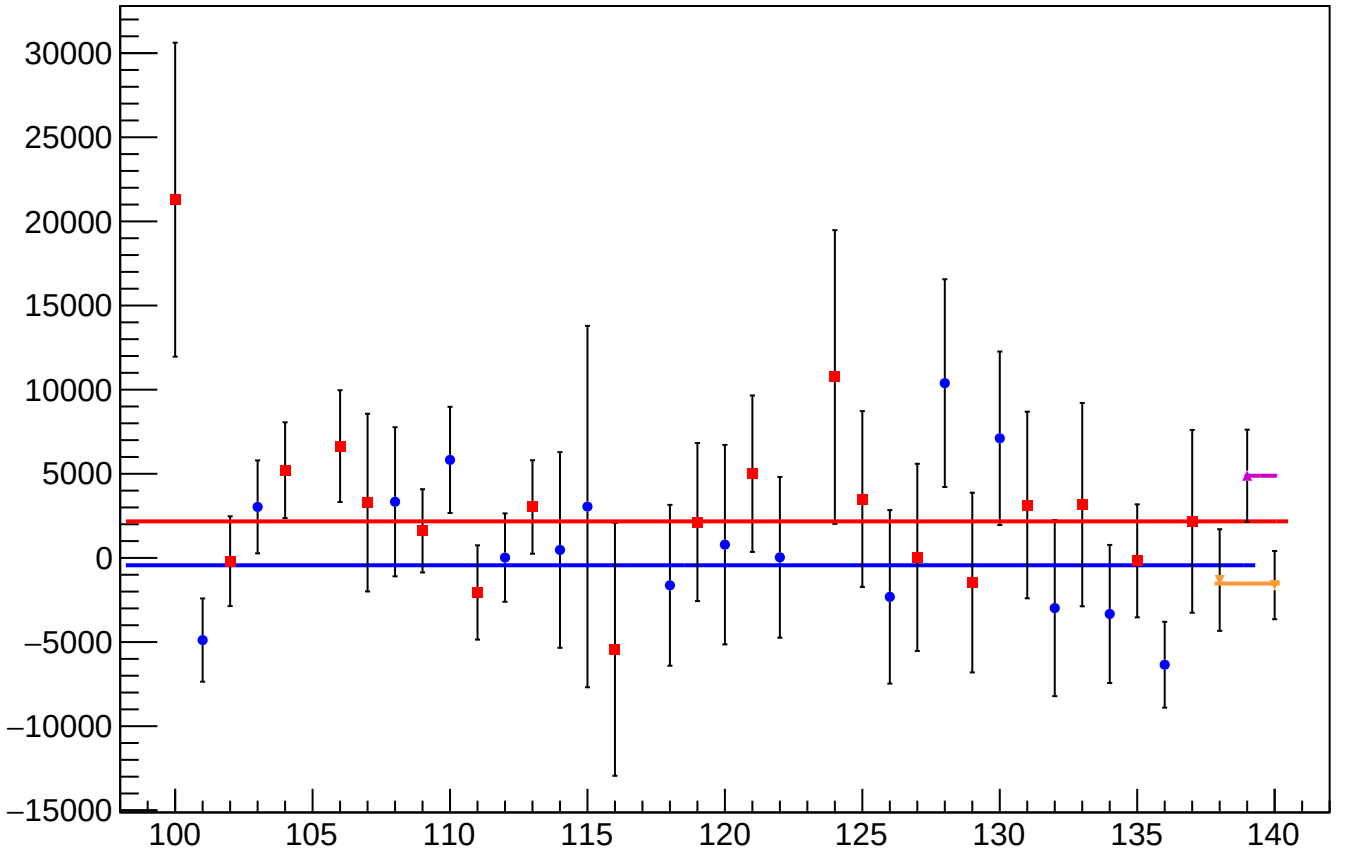
Left: 312.738+/-0.143 χ^2/NDF: 37356.0/2

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 263.133+/-0.067 χ^2/NDF:471801.9/16

Out: 261.988+/-0.063 χ^2/NDF:709734.1/20

All: 262.530+/-0.046 χ^2/NDF: 1181690.6/37



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -1522.036+/-1683.154 χ^2/NDF:0.0/1

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 4885.602+/-2736.954 χ^2/NDF:0.0/0

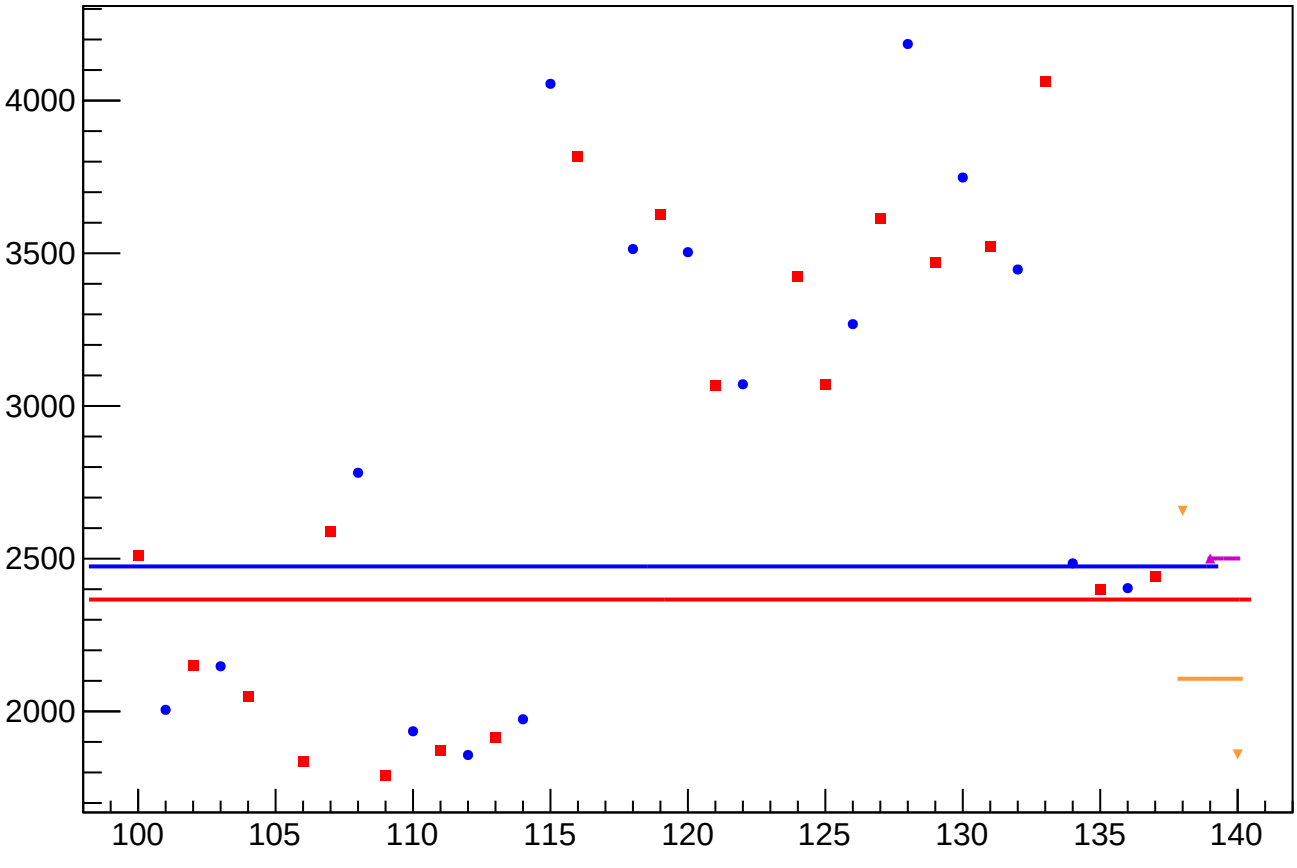
Left: 236.295+/-1433.735 χ^2/NDF: 4.0/2

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 141.079+/-901.798 χ^2/NDF:24.6/16

Out: 1349.160+/-794.419 χ^2/NDF:17.7/20

All: 821.292+/-596.107 χ^2/NDF: 43.3/37



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2106.847+/-1.190 χ^2/NDF:96204.8/1

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2500.704+/-1.935 χ^2/NDF:0.0/0

Left: 2214.926+/-1.014 χ^2/NDF: 126256.0/2

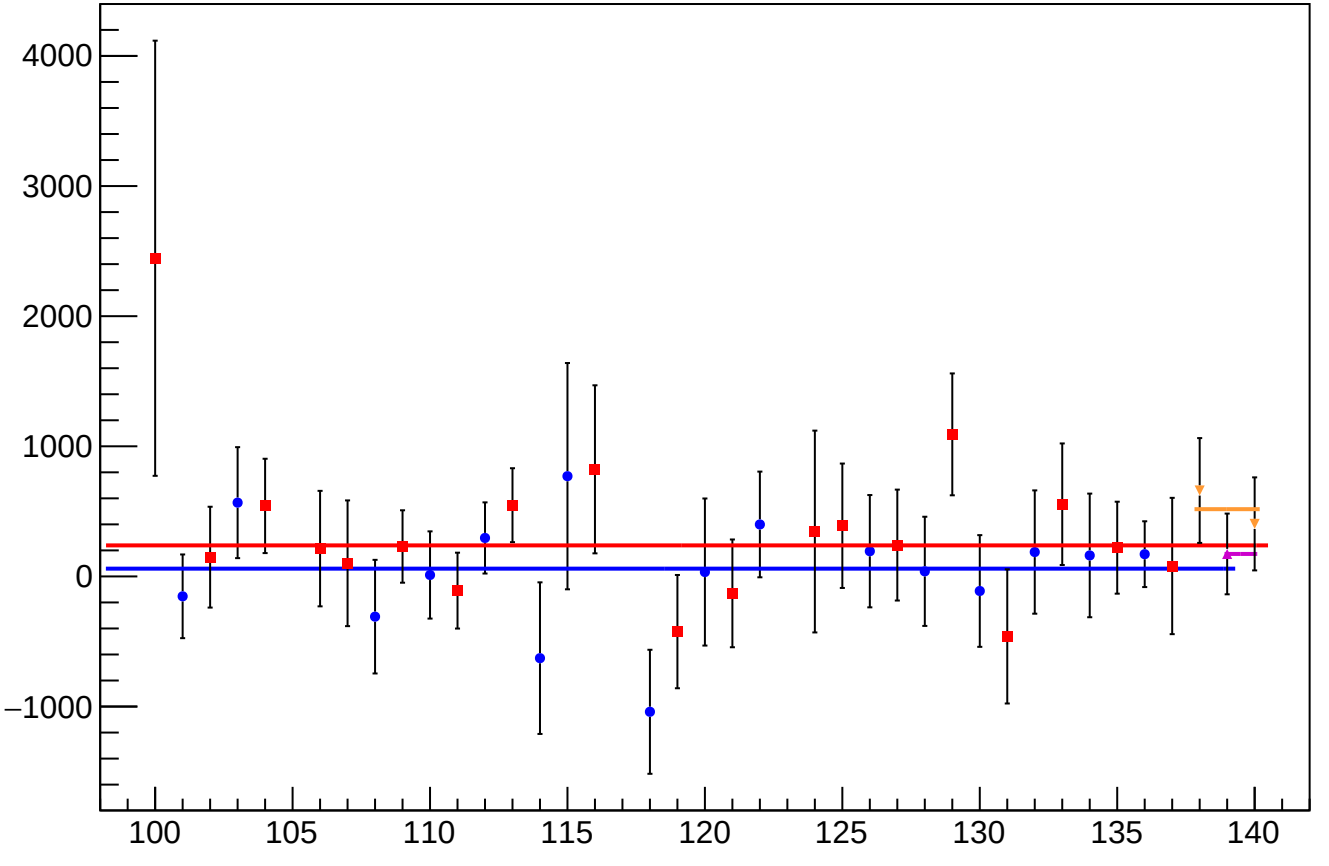
Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2477.453+/-0.638 χ^2/NDF:916412.8/16

Out: 2308.441+/-0.562 χ^2/NDF:1210293.8/20

All: 2382.291+/-0.422 χ^2/NDF: 2166261.2/37

eigen_dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 516.836+/-267.341 χ^2/NDF:0.2/1

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 172.730+/-310.155 χ^2/NDF:0.0/0

Left: 370.154+/-202.498 χ^2/NDF: 0.9/2

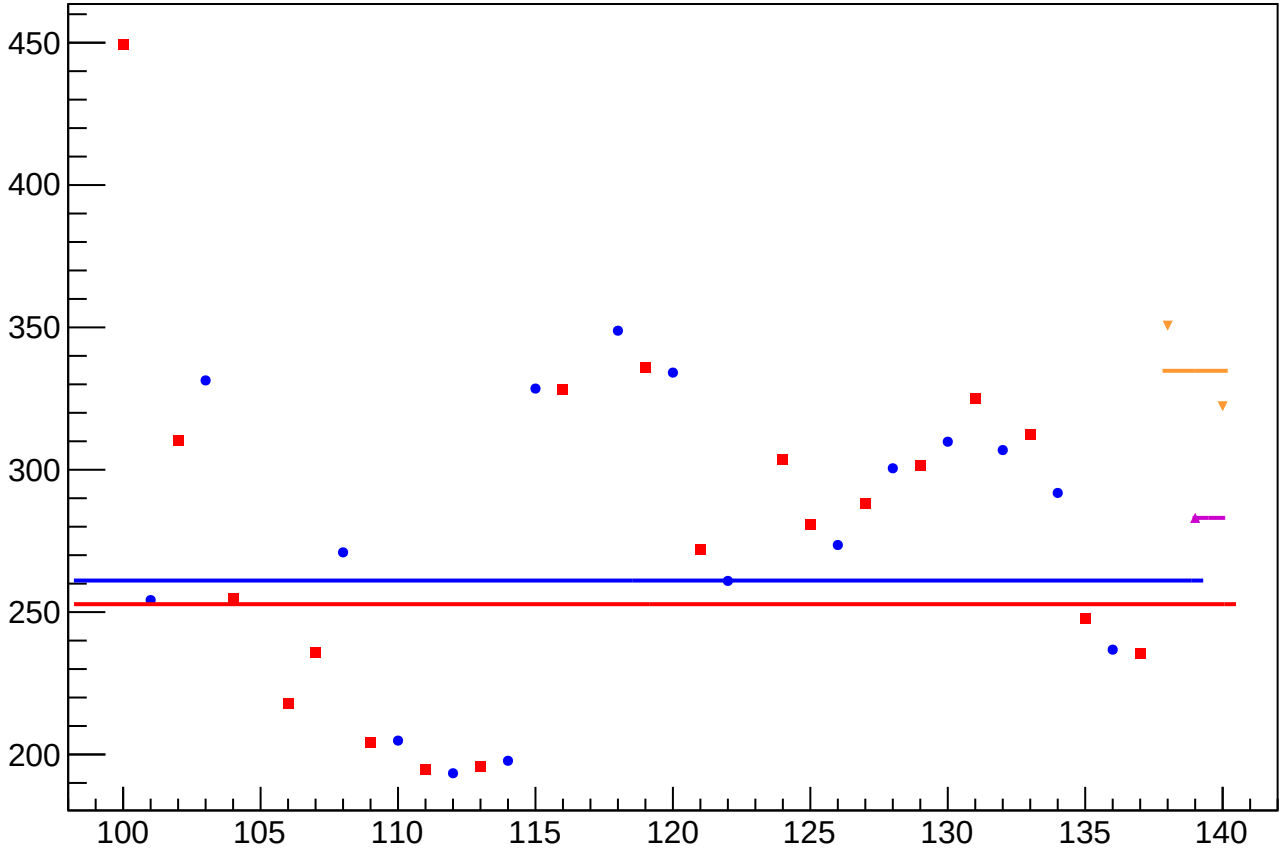
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 70.226+/-94.510 χ^2/NDF:12.1/16

Out: 269.756+/-89.568 χ^2/NDF:16.1/20

All: 175.344+/-65.011 χ^2/NDF: 30.6/37

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 334.756+/-0.189 χ^2/NDF:5529.1/1

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 283.102+/-0.219 χ^2/NDF:0.0/0

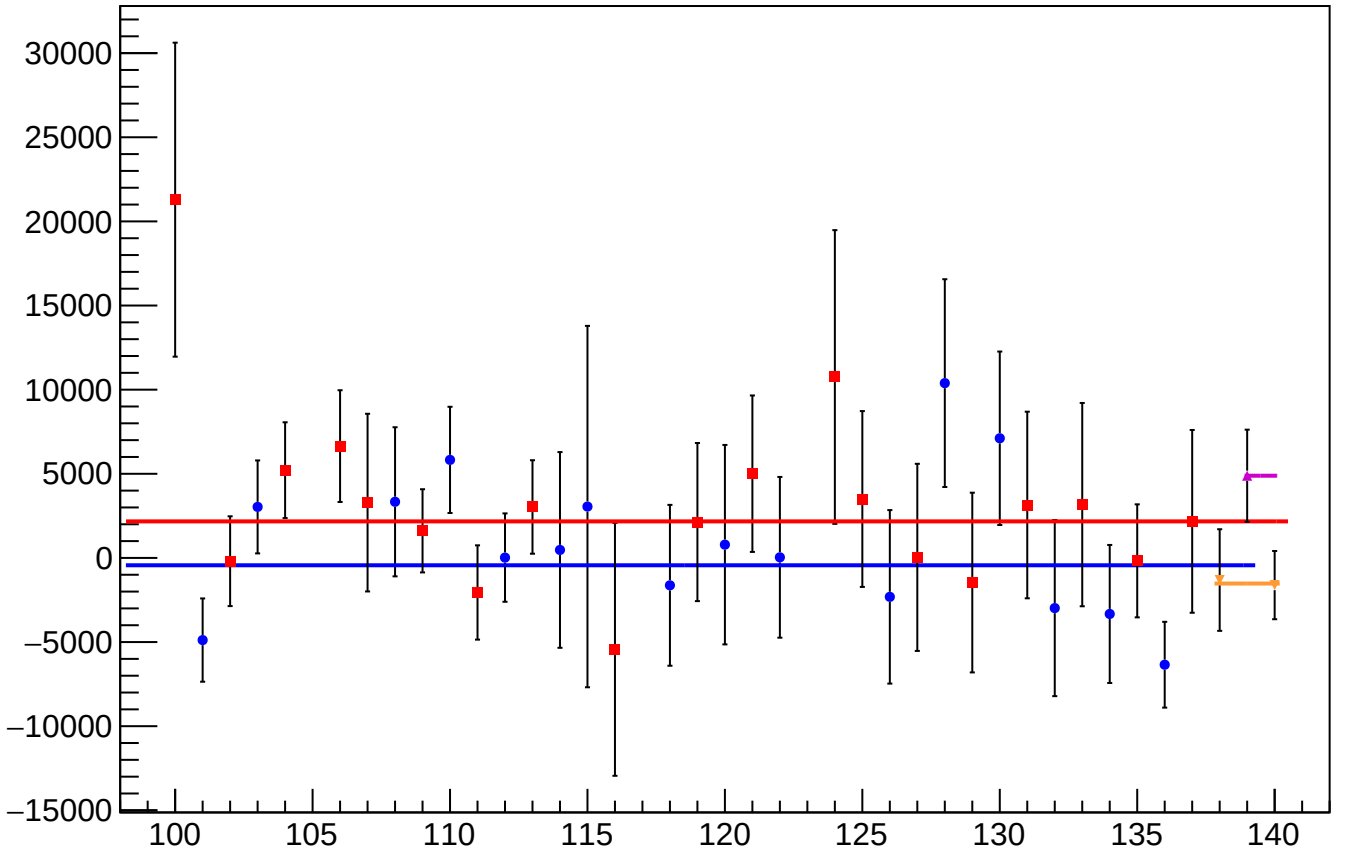
Left: 312.738+/-0.143 χ^2/NDF: 37356.3/2

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 263.133+/-0.067 χ^2/NDF:471804.3/16

Out: 261.988+/-0.063 χ^2/NDF:709736.7/20

All: 262.530+/-0.046 χ^2/NDF: 1181695.7/37



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -1522.031+/-1683.149 χ^2/NDF:0.0/1

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 4885.606+/-2736.952 χ^2/NDF:0.0/0

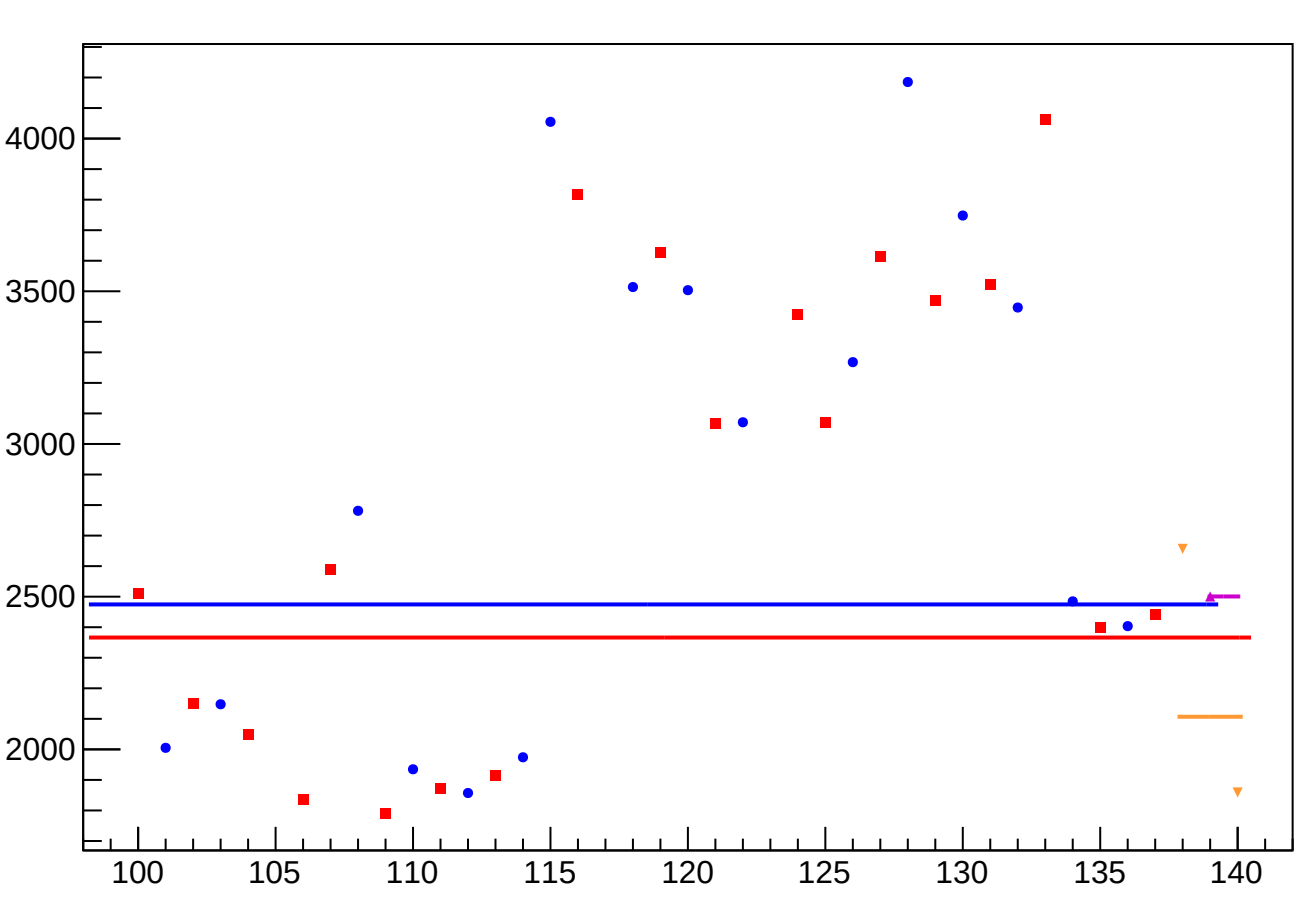
Left: 236.296+/-1433.732 χ^2/NDF: 4.0/2

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 141.081+/-901.798 χ^2/NDF:24.6/16

Out: 1349.158+/-794.418 χ^2/NDF:17.7/20

All: 821.292+/-596.106 χ^2/NDF: 43.3/37



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2106.842+/-1.190 χ^2/NDF:96204.7/1

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2500.702+/-1.935 χ^2/NDF:0.0/0

Left: 2214.921+/-1.014 χ^2/NDF: 126256.6/2

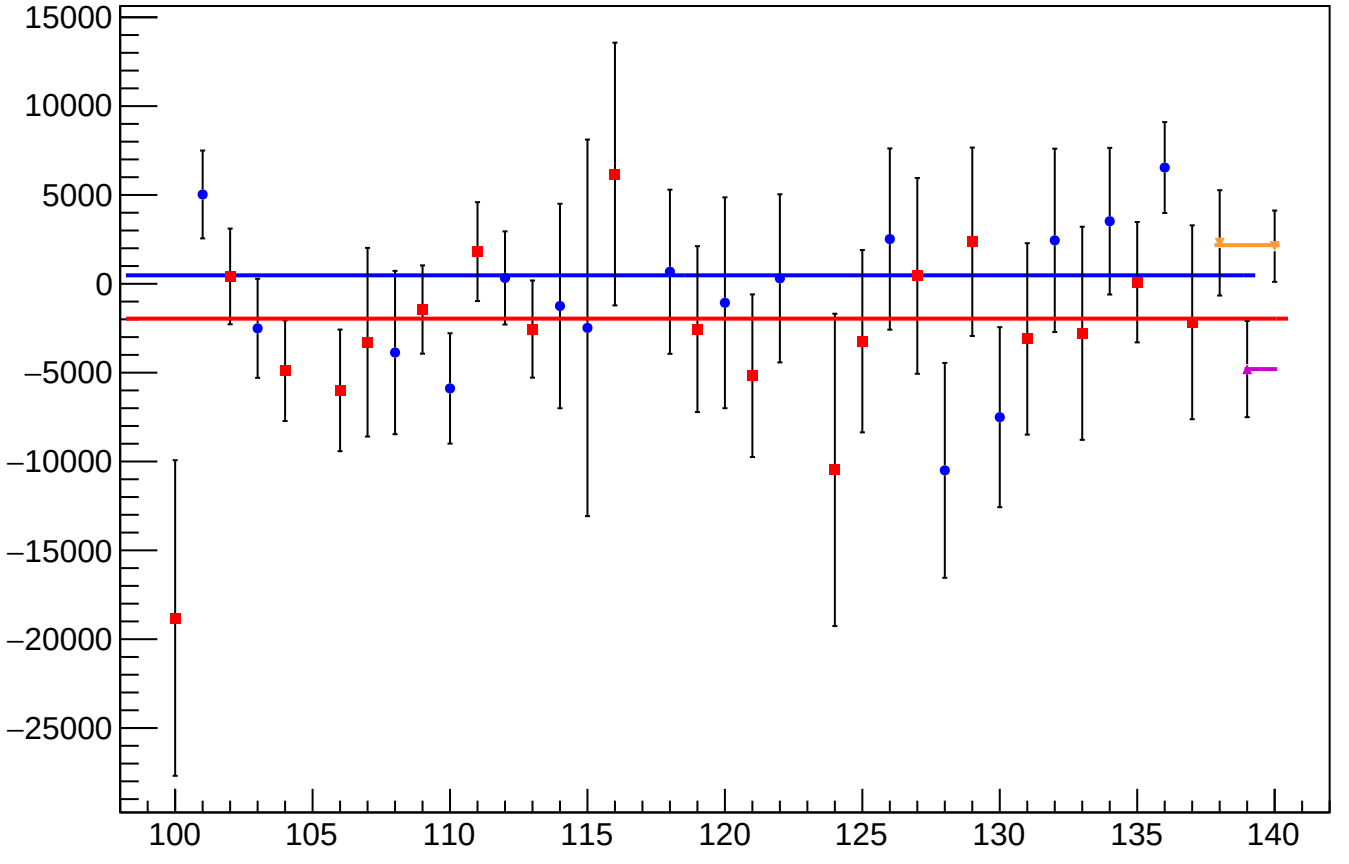
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2477.452+/-0.638 χ^2/NDF:916416.0/16

Out: 2308.438+/-0.562 χ^2/NDF:1210297.3/20

All: 2382.288+/-0.422 χ^2/NDF: 2166268.5/37

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2175.480+/-1661.595 χ^2/NDF:0.0/1

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -4799.395+/-2705.759 χ^2/NDF:0.0/0

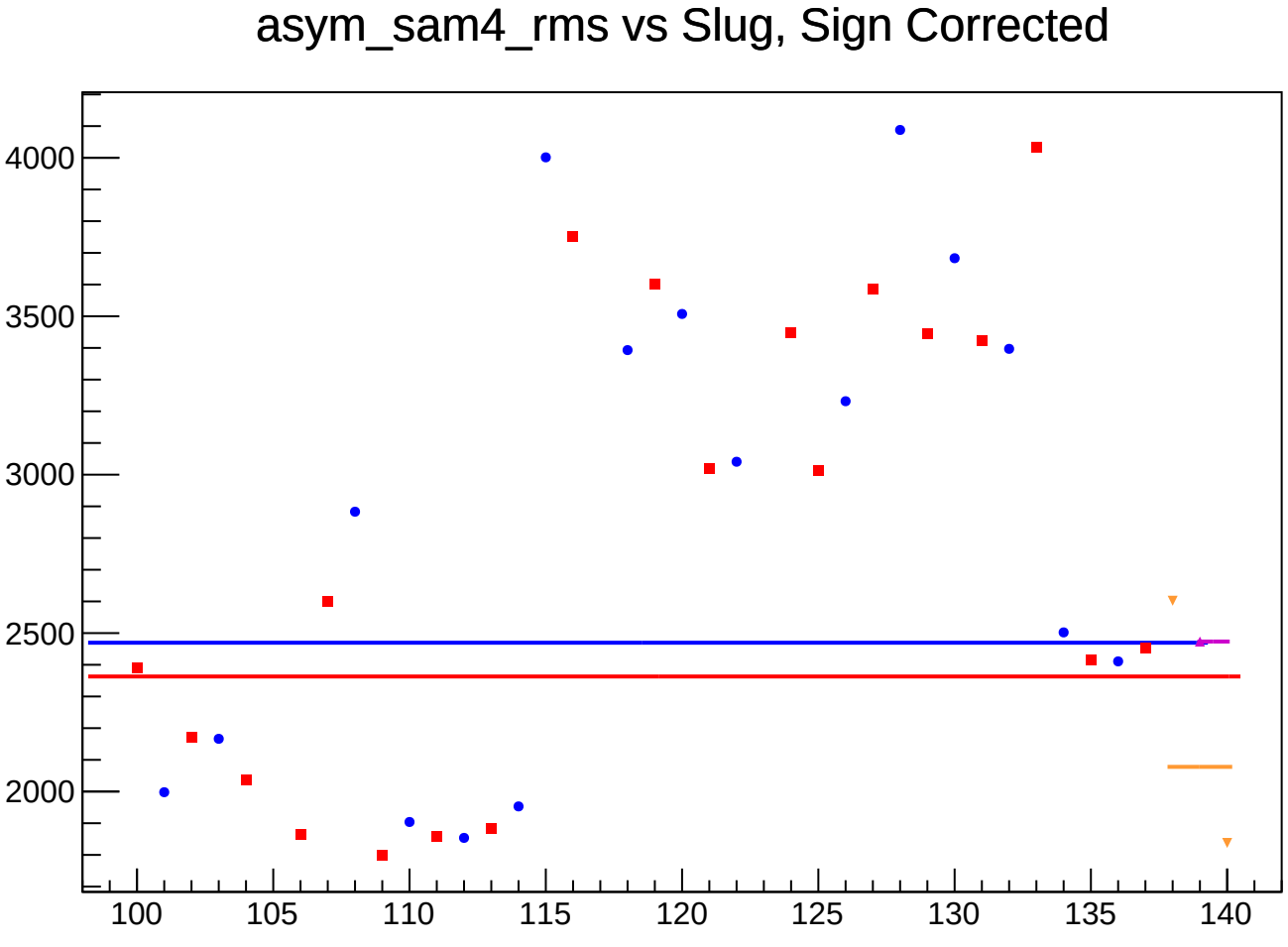
Left: 265.455+/-1415.925 χ^2/NDF: 4.8/2

Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -104.793+/-898.667 χ^2/NDF:25.5/16

Out: -1022.021+/-791.166 χ^2/NDF:17.6/20

All: -621.522+/-593.828 χ^2/NDF: 43.7/37



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2077.870+/-1.175 χ^2/NDF:91176.2/1

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2473.364+/-1.913 χ^2/NDF:0.0/0

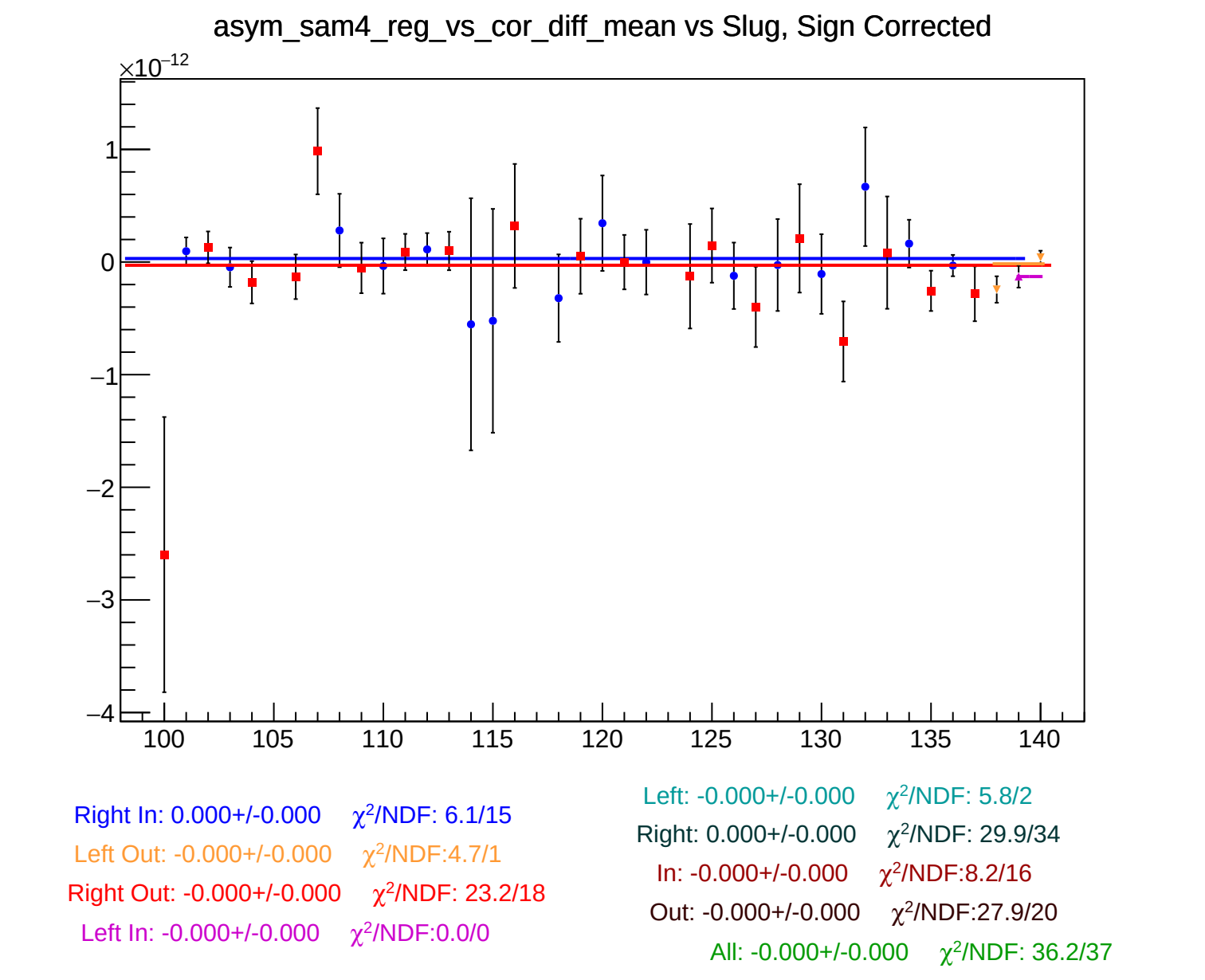
Left: 2186.174+/-1.001 χ^2/NDF: 122204.6/2

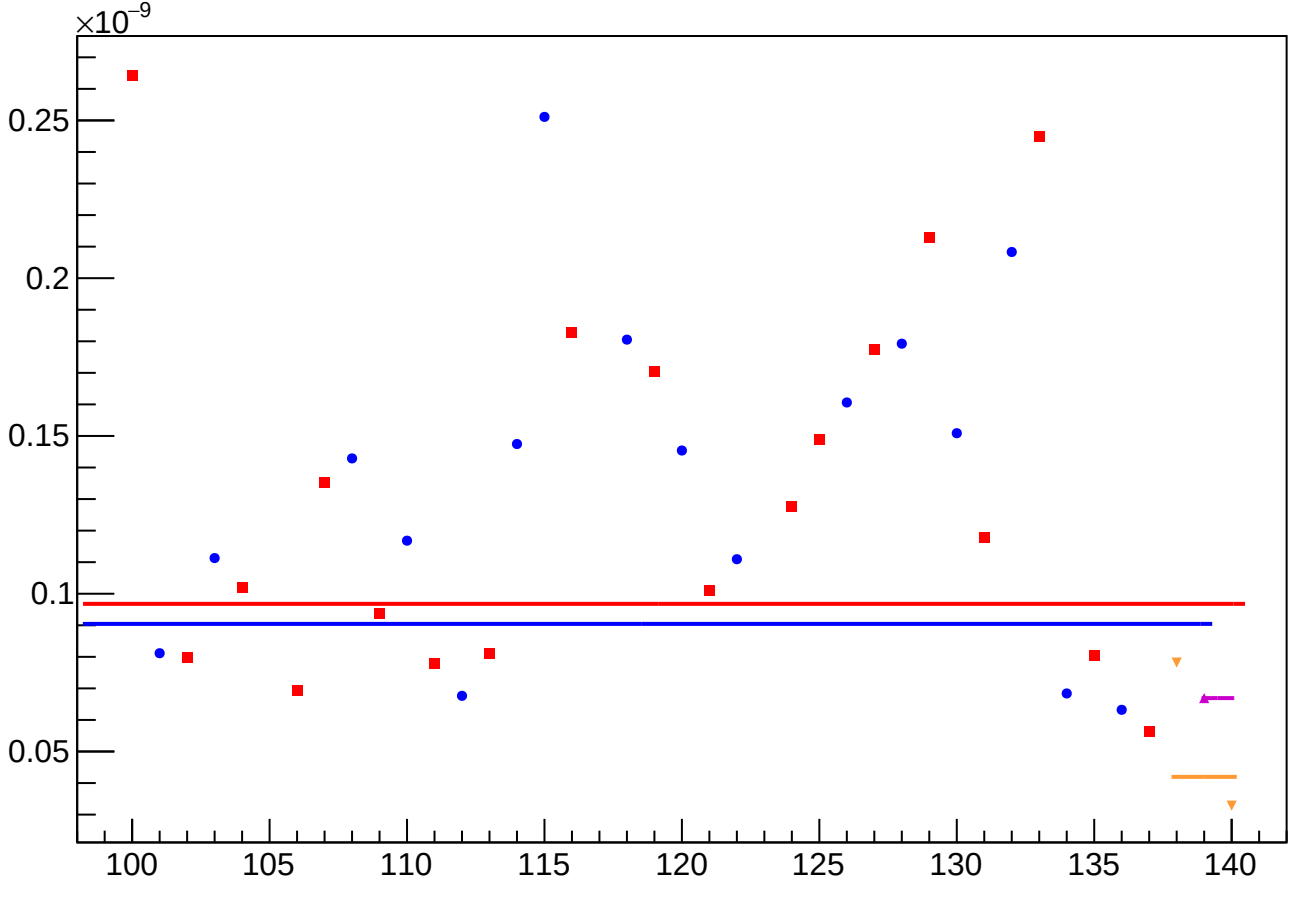
Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2470.050+/-0.635 χ^2/NDF:886182.4/16

Out: 2298.397+/-0.559 χ^2/NDF:1180078.2/20

All: 2373.347+/-0.420 χ^2/NDF: 2107368.2/37


asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: -0.000+/-0.000 χ²/NDF:4.7/1
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: -0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 5.8/2
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: -0.000+/-0.000 χ²/NDF:8.2/16
Out: -0.000+/-0.000 χ²/NDF:27.9/20
All: -0.000+/-0.000 χ²/NDF: 36.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:238708.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

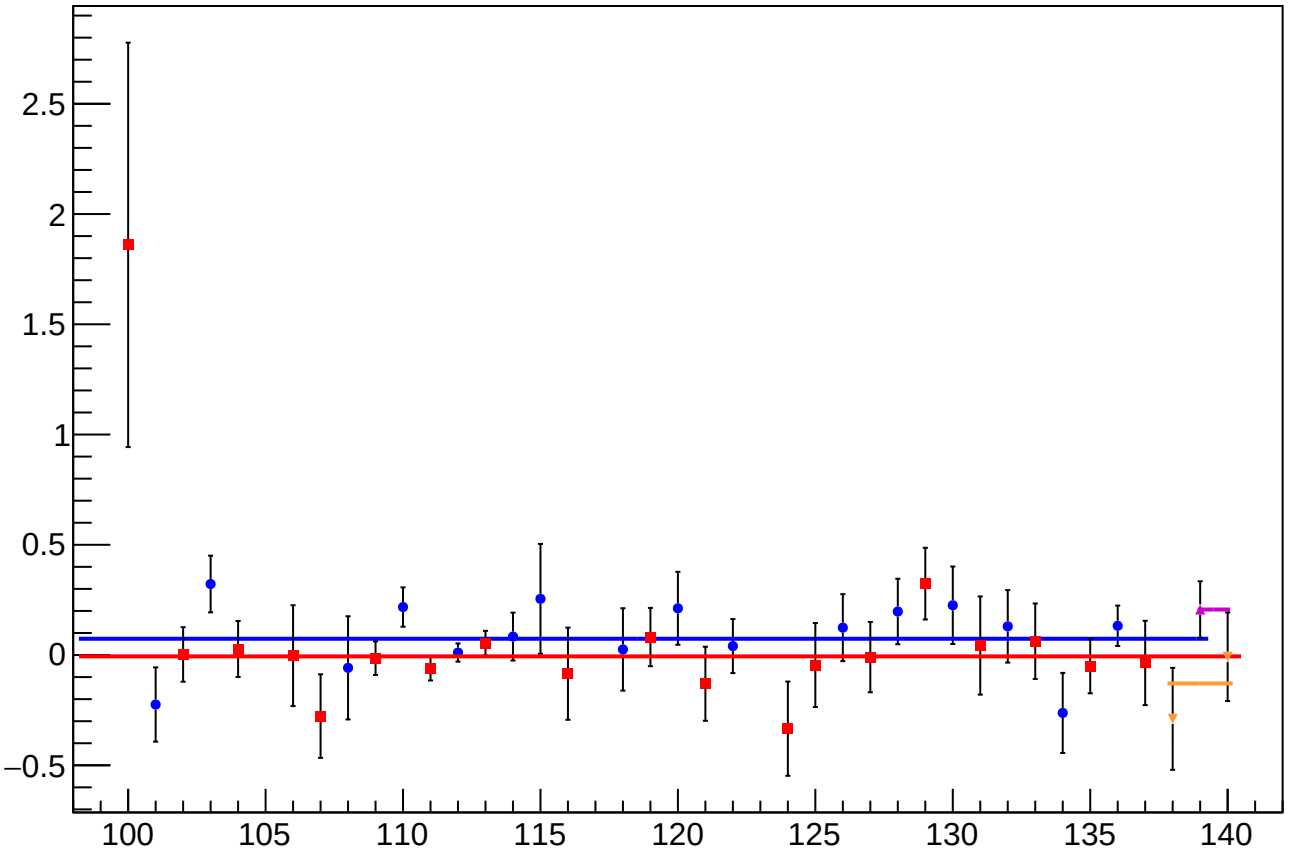
Left: 0.000+/-0.000 χ^2/NDF: 339271.8/2

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:1016050.5/16

Out: 0.000+/-0.000 χ^2/NDF:2109476.1/20

All: 0.000+/-0.000 χ^2/NDF: 3294557.2/37



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.129+/-0.152 χ^2/NDF:0.8/1

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.206+/-0.128 χ^2/NDF:0.0/0

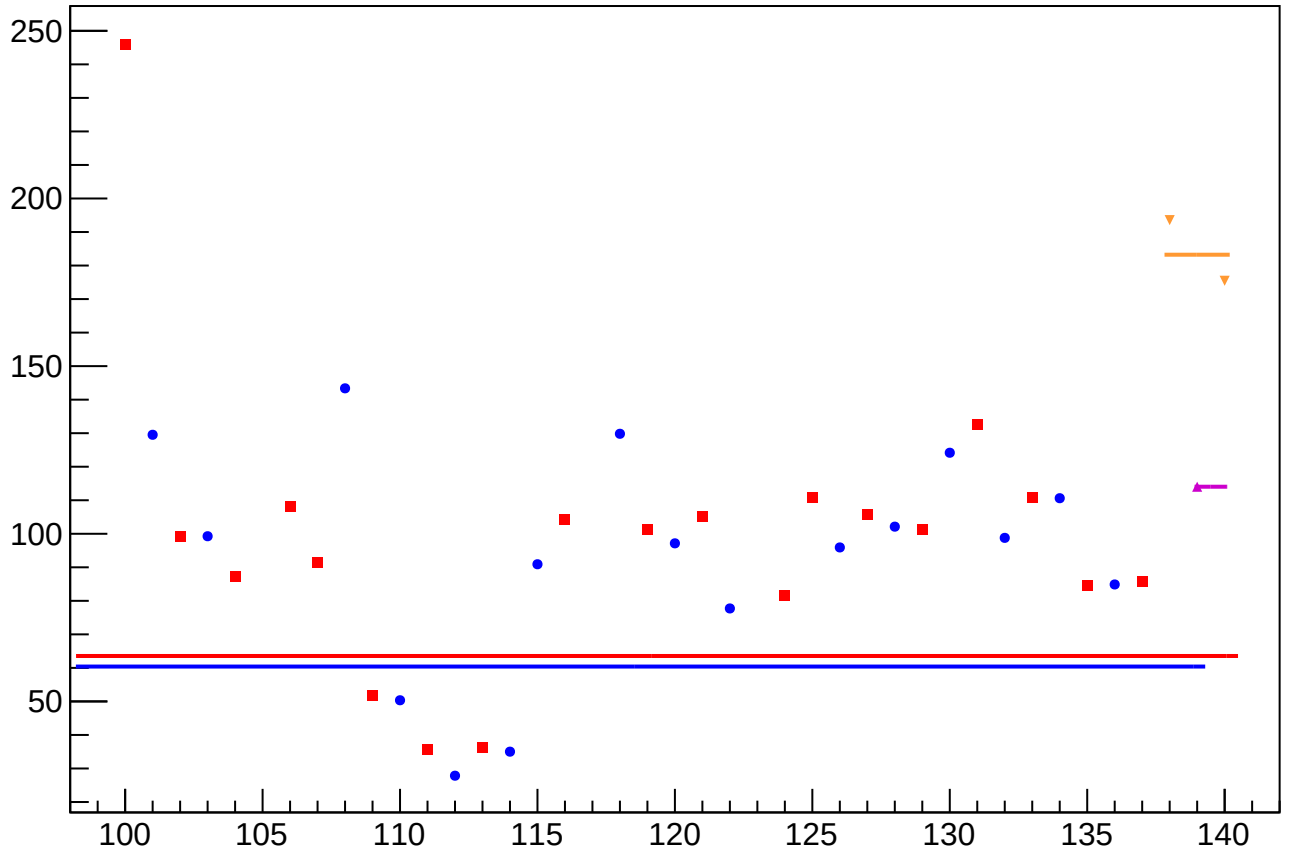
Left: 0.067+/-0.098 χ^2/NDF: 3.7/2

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.080+/-0.026 χ^2/NDF:20.0/16

Out: -0.010+/-0.026 χ^2/NDF:17.9/20

All: 0.035+/-0.019 χ^2/NDF: 43.6/37



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 183.231+/-0.107 χ^2/NDF:6976.9/1

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.035+/-0.091 χ^2/NDF:0.0/0

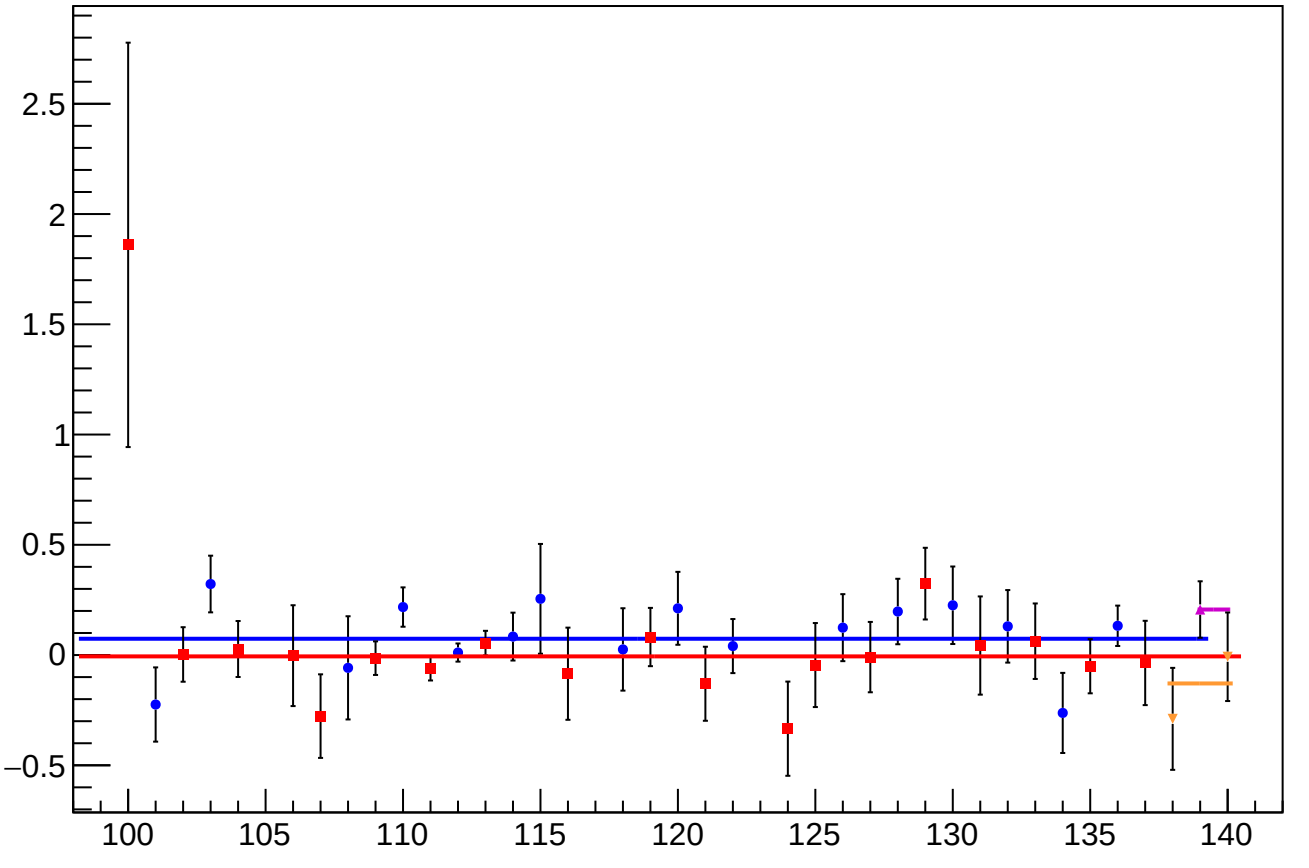
Left: 142.835+/-0.069 χ^2/NDF: 250198.4/2

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 62.687+/-0.019 χ^2/NDF:3874245.4/16

Out: 67.187+/-0.019 χ^2/NDF:3869914.3/20

All: 64.938+/-0.013 χ^2/NDF: 7773154.6/37



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.129+/-0.152 χ^2/NDF:0.8/1

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.206+/-0.128 χ^2/NDF:0.0/0

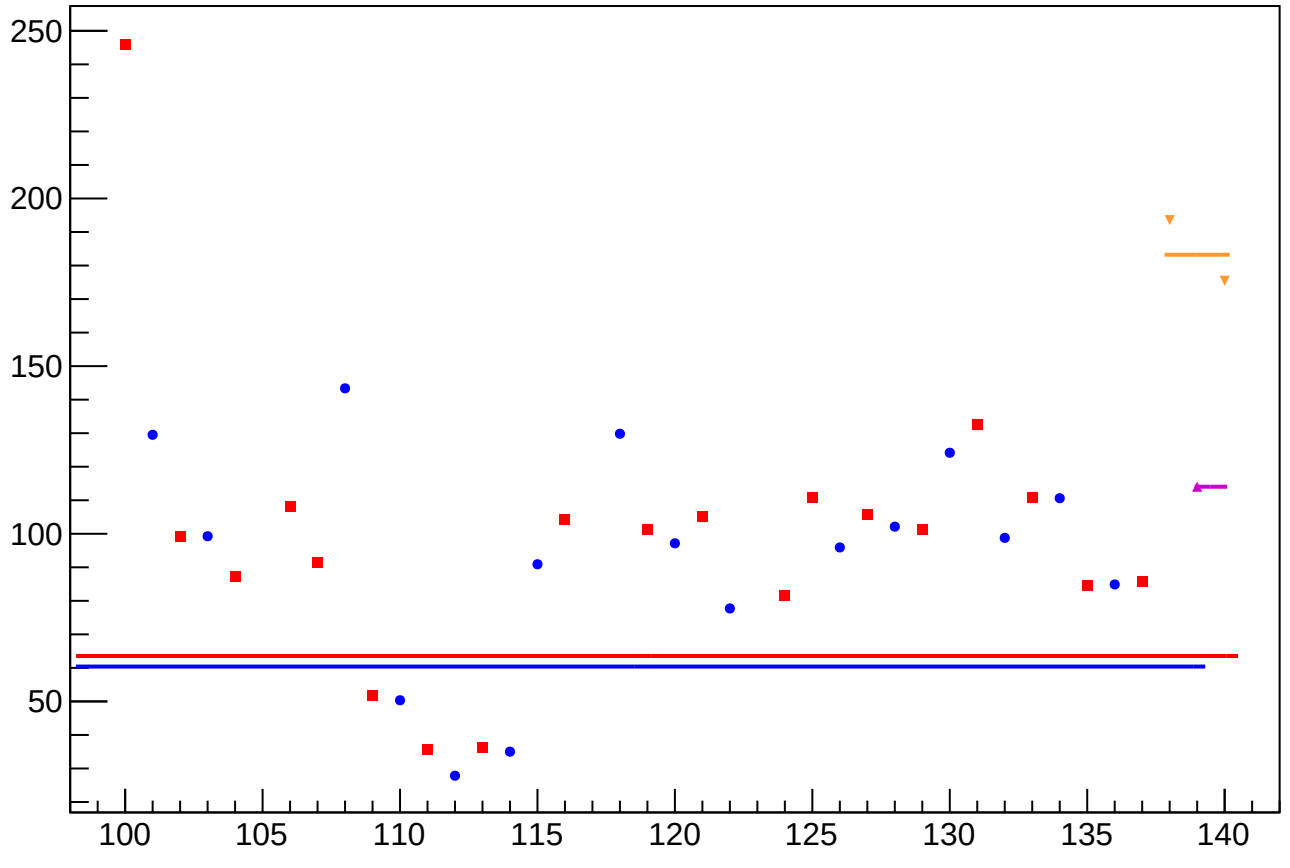
Left: 0.067+/-0.098 χ^2/NDF: 3.7/2

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.080+/-0.026 χ^2/NDF:20.0/16

Out: -0.010+/-0.026 χ^2/NDF:17.9/20

All: 0.035+/-0.019 χ^2/NDF: 43.6/37



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 183.231+/-0.107 χ^2/NDF:6976.9/1

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.035+/-0.091 χ^2/NDF:0.0/0

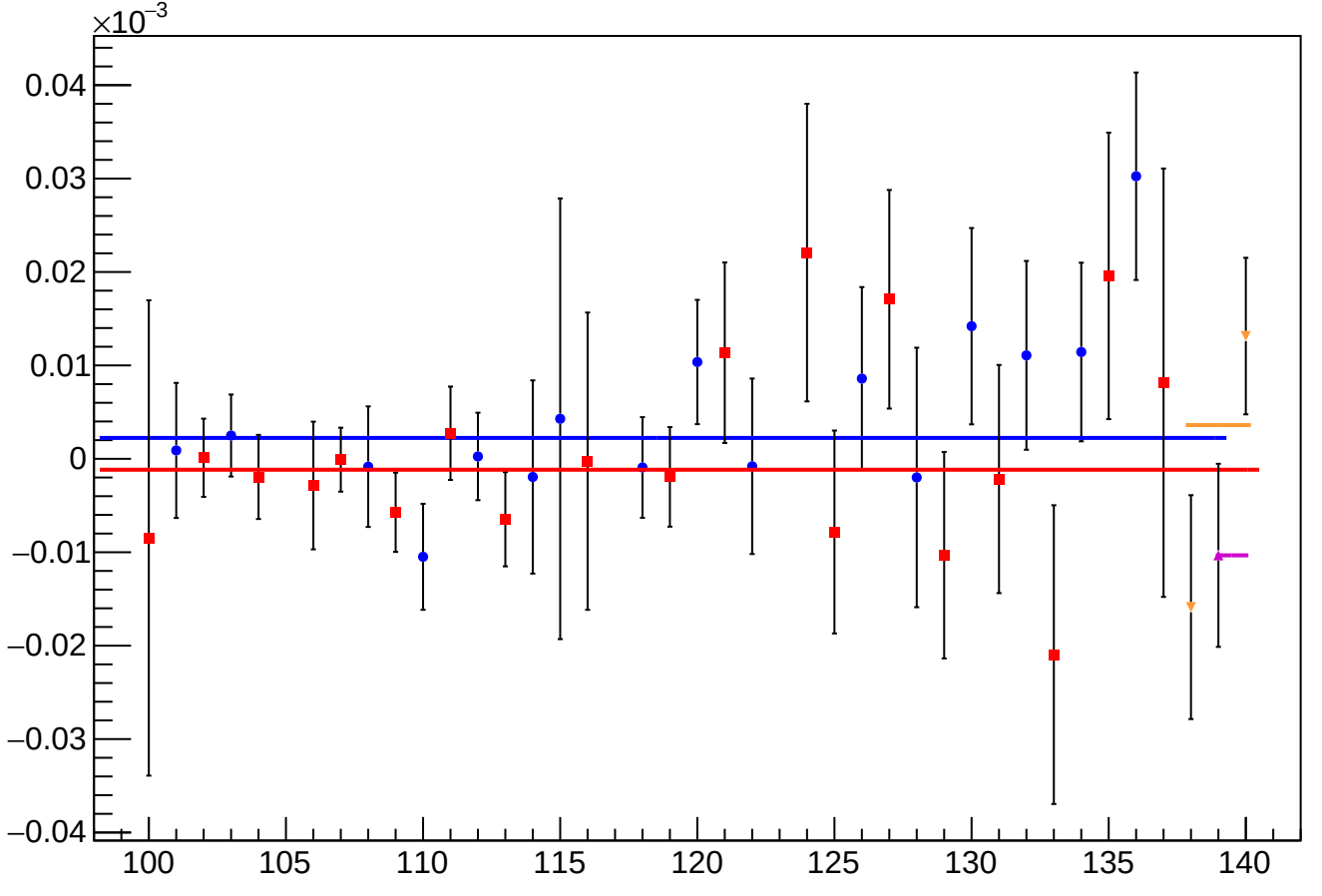
Left: 142.835+/-0.069 χ^2/NDF: 250198.4/2

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 62.687+/-0.019 χ^2/NDF:3874245.4/16

Out: 67.187+/-0.019 χ^2/NDF:3869914.3/20

All: 64.938+/-0.013 χ^2/NDF: 7773154.6/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

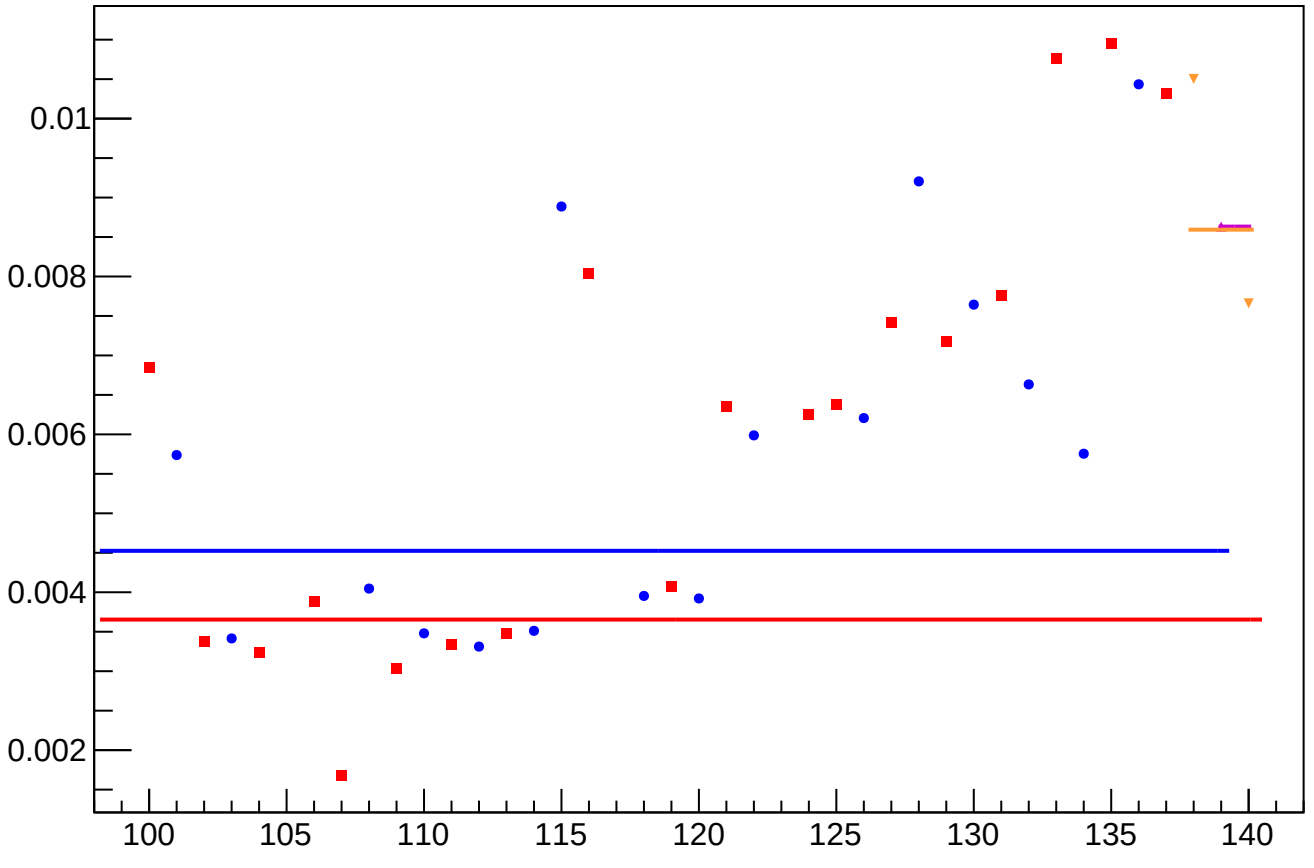
Left: -0.000+/-0.000 χ^2/NDF: 5.3/2

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:19.0/16

Out: -0.000+/-0.000 χ^2/NDF:18.5/20

All: 0.000+/-0.000 χ^2/NDF: 39.0/37



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:75574.7/1

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/0

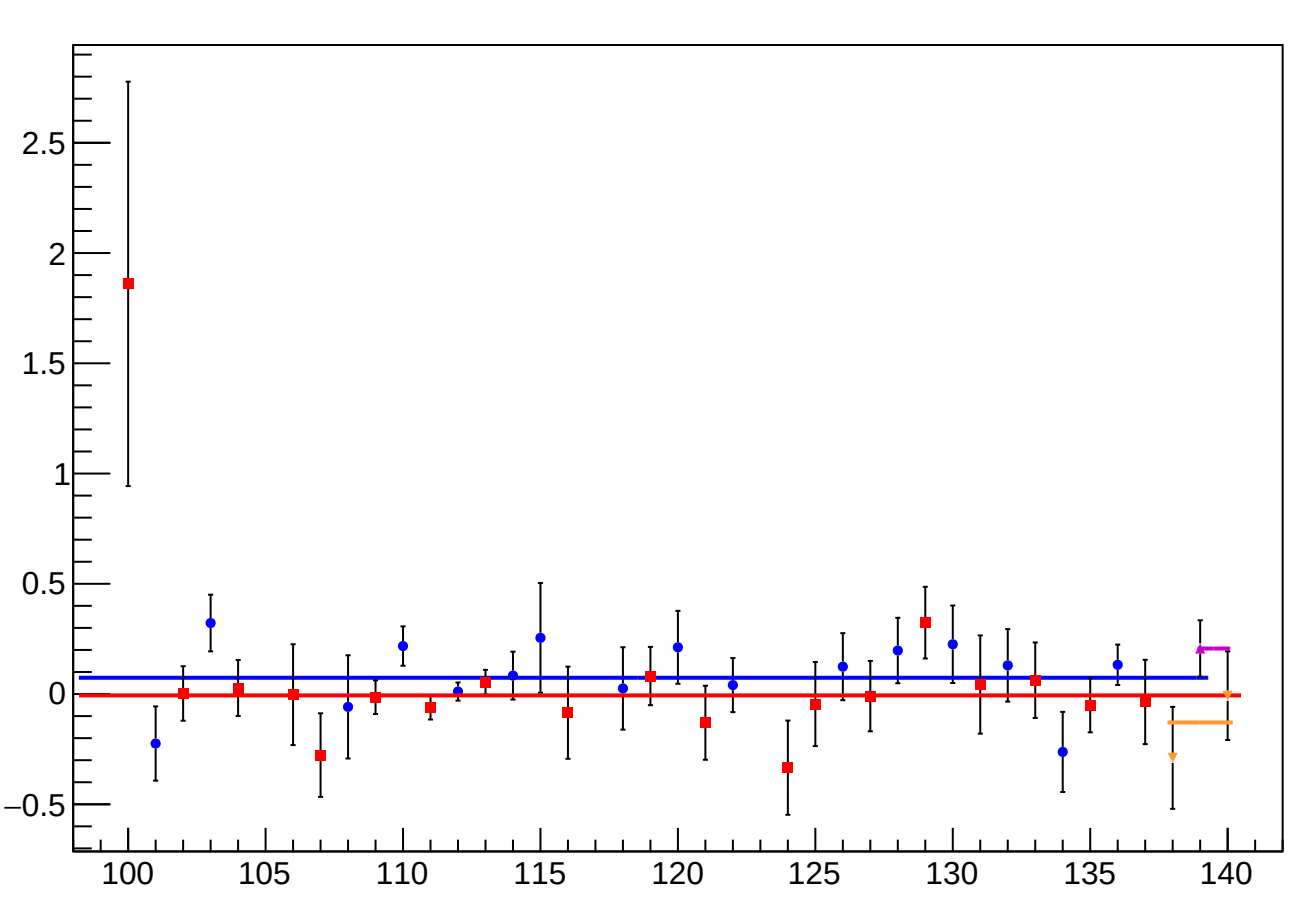
Left: 0.009+/-0.000 χ^2/NDF: 75595.6/2

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.005+/-0.000 χ^2/NDF:2061042.3/16

Out: 0.004+/-0.000 χ^2/NDF:3996343.0/20

All: 0.004+/-0.000 χ^2/NDF: 6286986.9/37



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.129+/-0.152 χ^2/NDF:0.8/1

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.206+/-0.128 χ^2/NDF:0.0/0

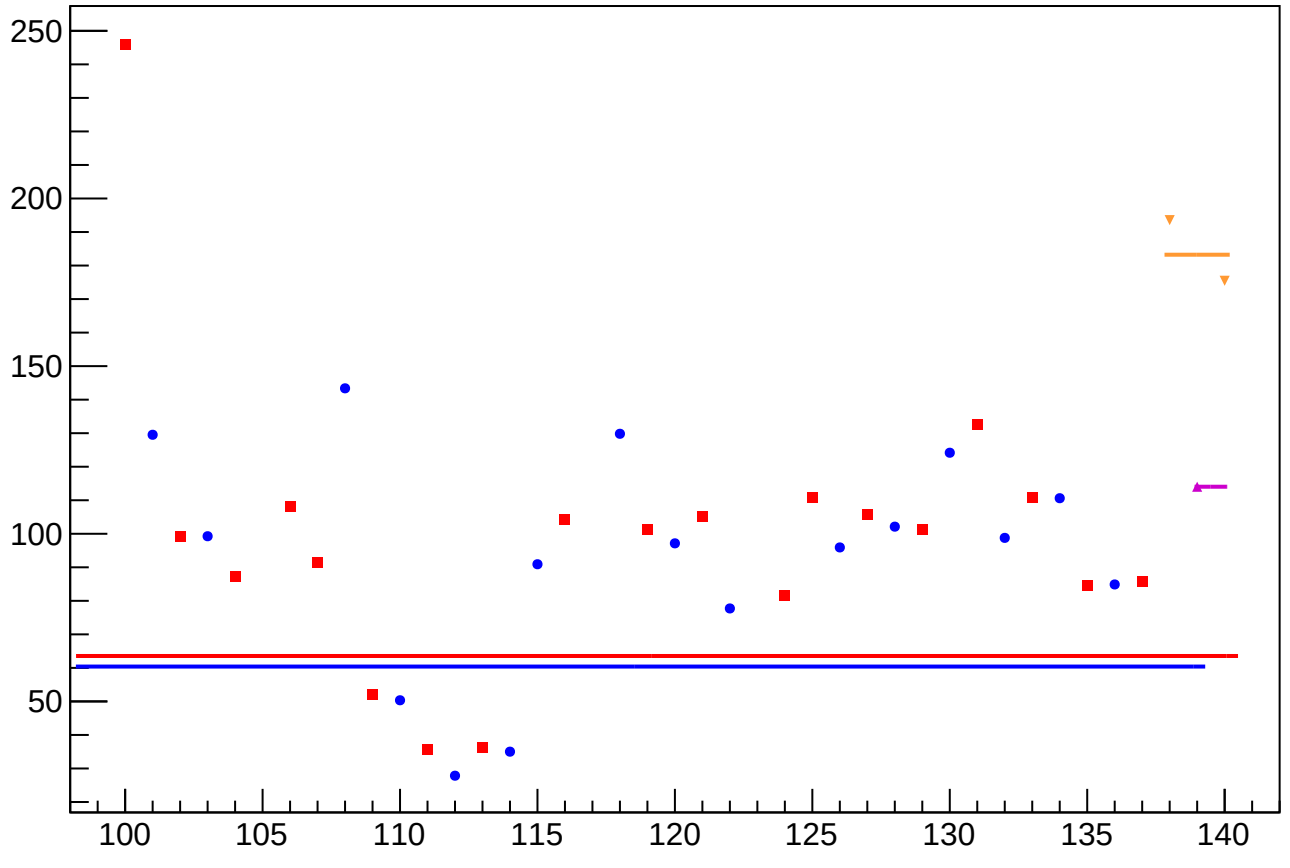
Left: 0.067+/-0.098 χ^2/NDF: 3.7/2

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.080+/-0.026 χ^2/NDF:20.0/16

Out: -0.010+/-0.026 χ^2/NDF:17.9/20

All: 0.035+/-0.019 χ^2/NDF: 43.6/37



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 183.231+/-0.107 χ^2/NDF:6974.1/1

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.034+/-0.091 χ^2/NDF:0.0/0

Left: 142.833+/-0.069 χ^2/NDF: 250208.8/2

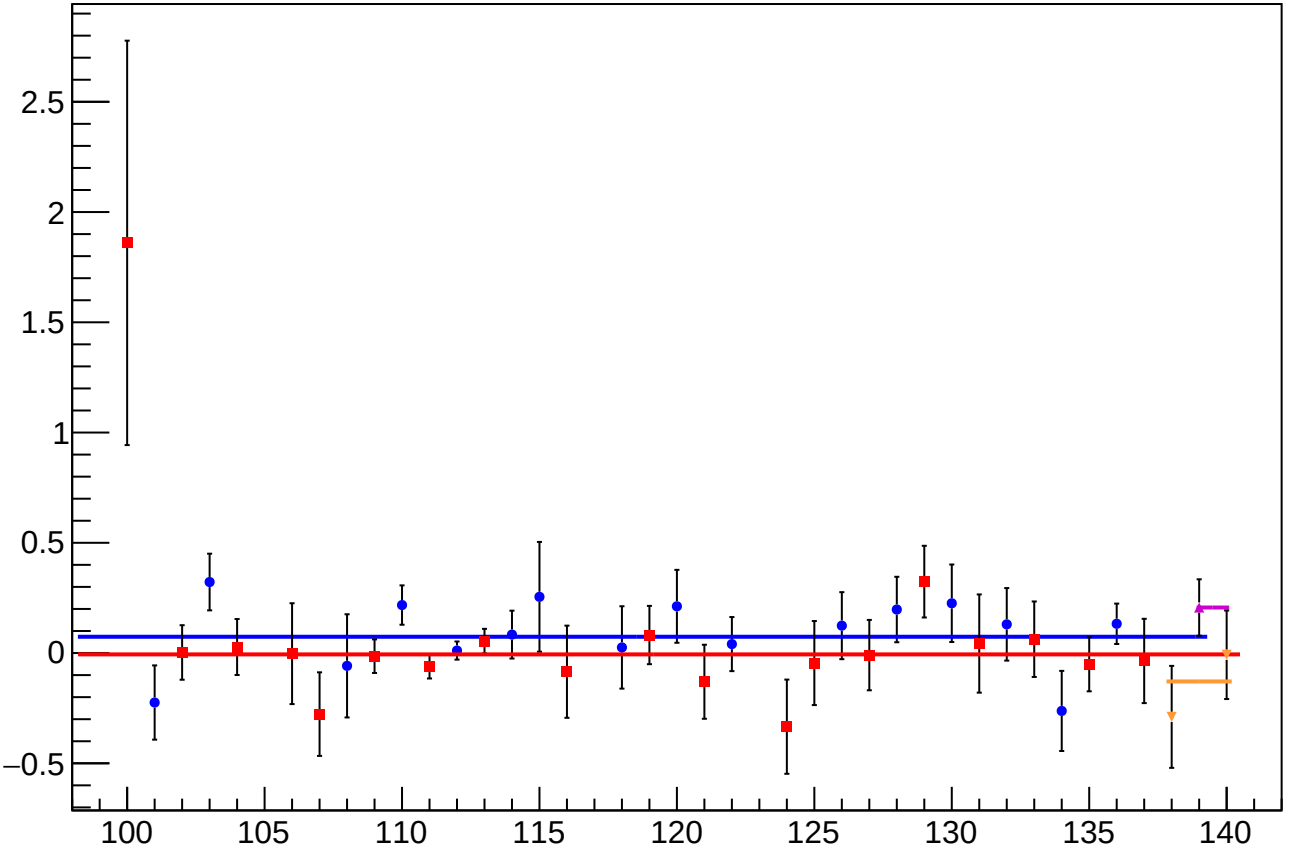
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 62.685+/-0.019 χ^2/NDF:3874519.3/16

Out: 67.185+/-0.019 χ^2/NDF:3870219.3/20

All: 64.936+/-0.013 χ^2/NDF: 7773737.6/37

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.129+/-0.152 χ^2/NDF:0.8/1

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.206+/-0.128 χ^2/NDF:0.0/0

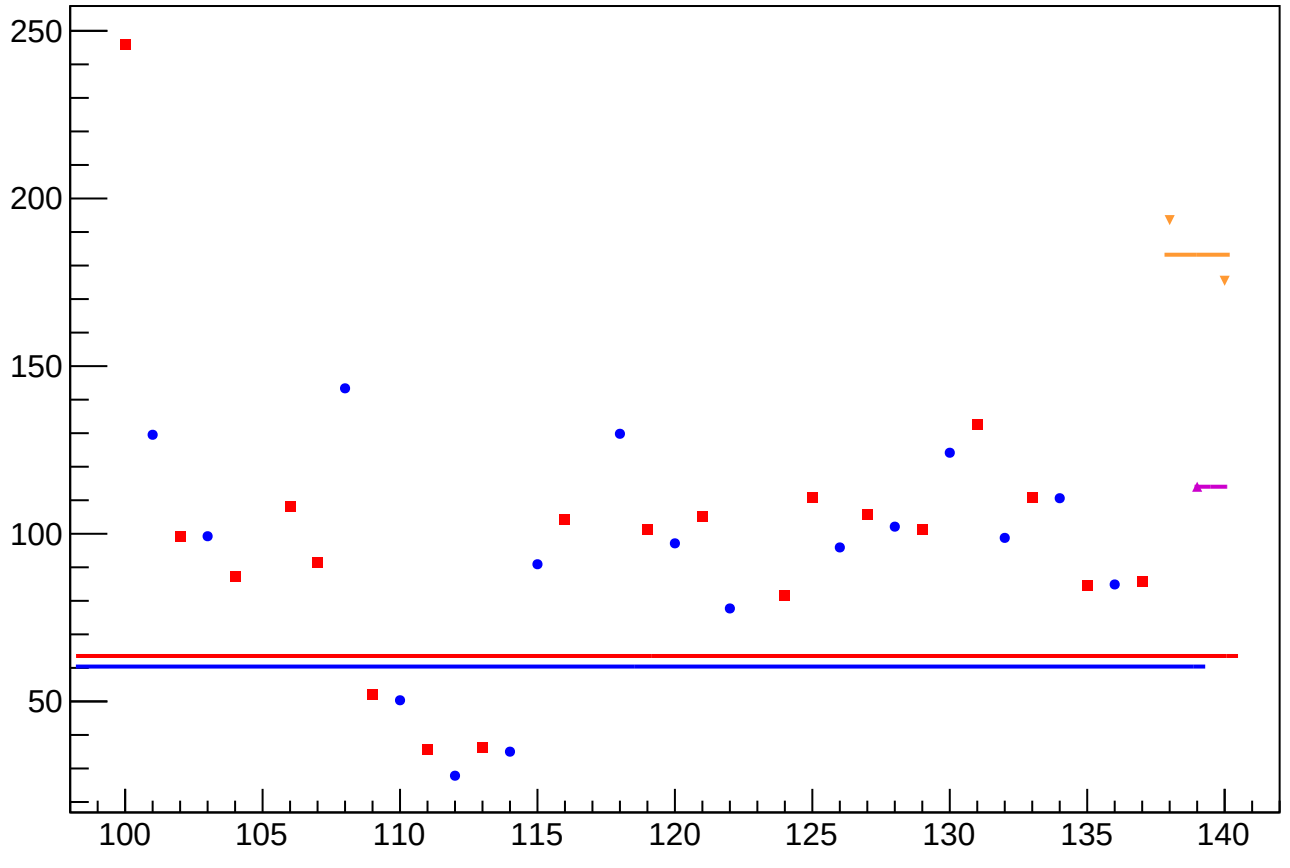
Left: 0.067+/-0.098 χ^2/NDF: 3.7/2

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.080+/-0.026 χ^2/NDF:20.0/16

Out: -0.010+/-0.026 χ^2/NDF:17.9/20

All: 0.035+/-0.019 χ^2/NDF: 43.6/37



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 183.231+/-0.107 χ^2/NDF:6974.1/1

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.034+/-0.091 χ^2/NDF:0.0/0

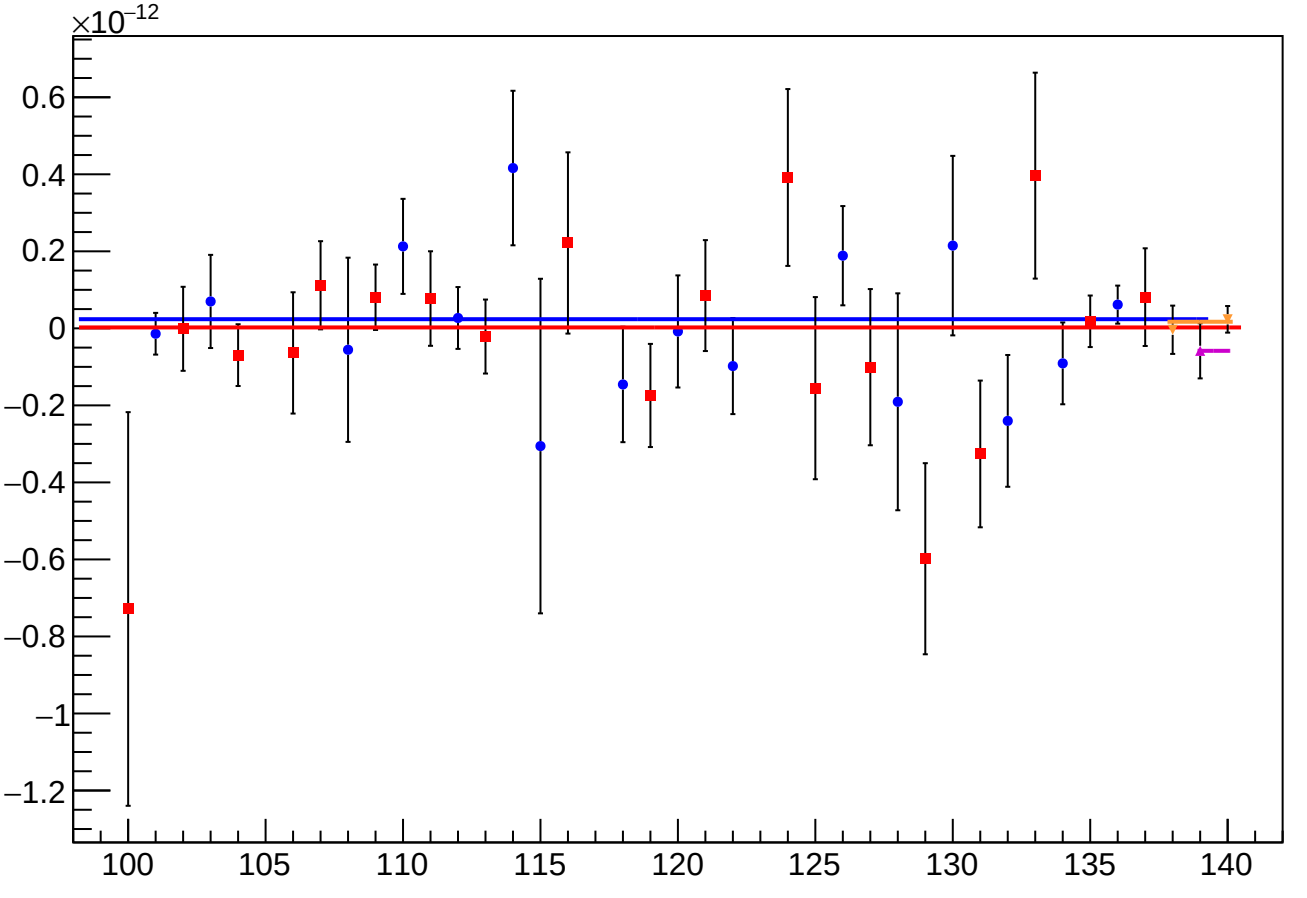
Left: 142.833+/-0.069 χ^2/NDF: 250208.8/2

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 62.685+/-0.019 χ^2/NDF:3874519.3/16

Out: 67.185+/-0.019 χ^2/NDF:3870219.3/20

All: 64.936+/-0.013 χ^2/NDF: 7773737.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

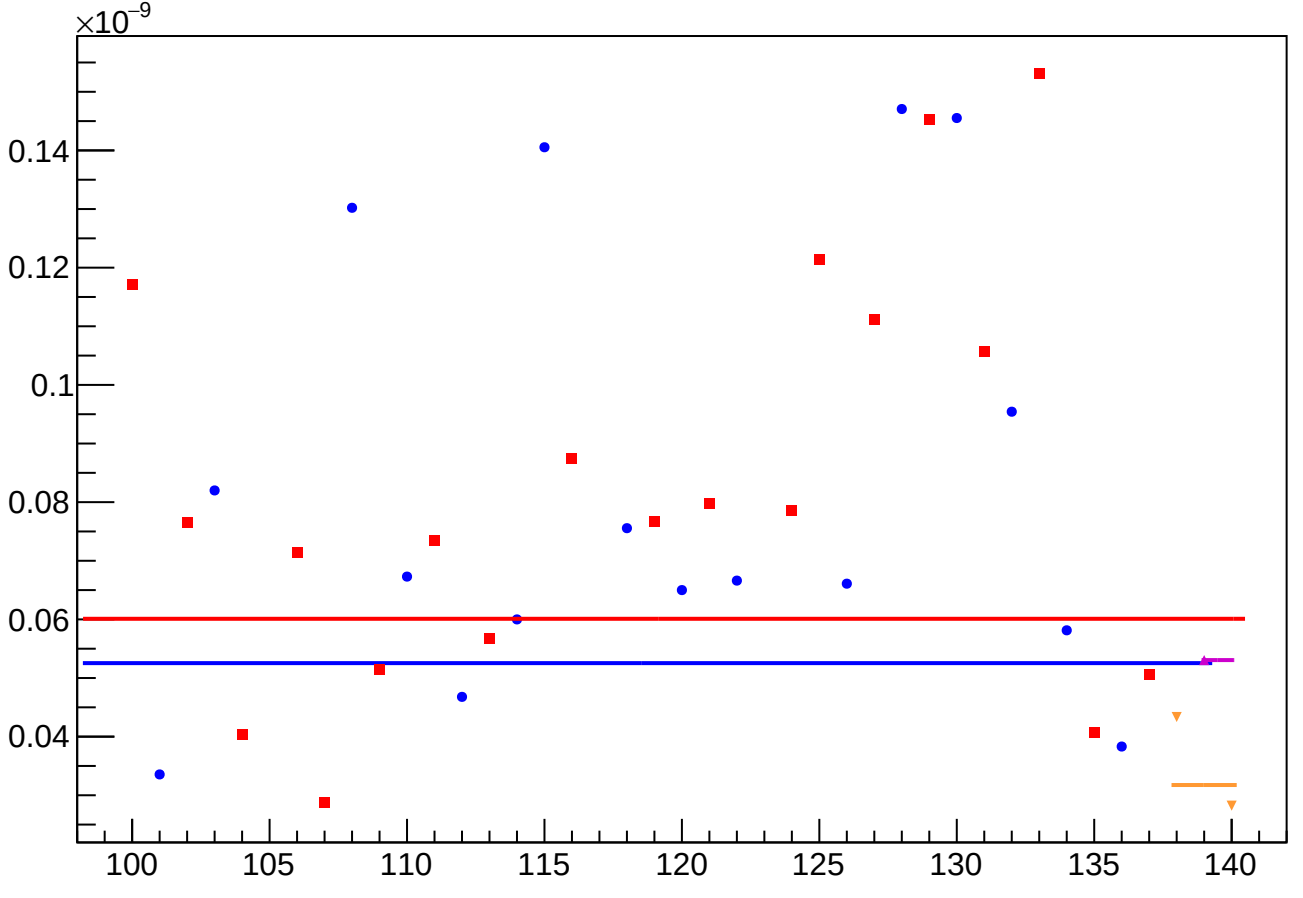
Left: 0.000+/-0.000 χ^2/NDF: 1.1/2

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:18.0/16

Out: 0.000+/-0.000 χ^2/NDF:23.5/20

All: 0.000+/-0.000 χ^2/NDF: 41.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:89263.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 239656.9/2

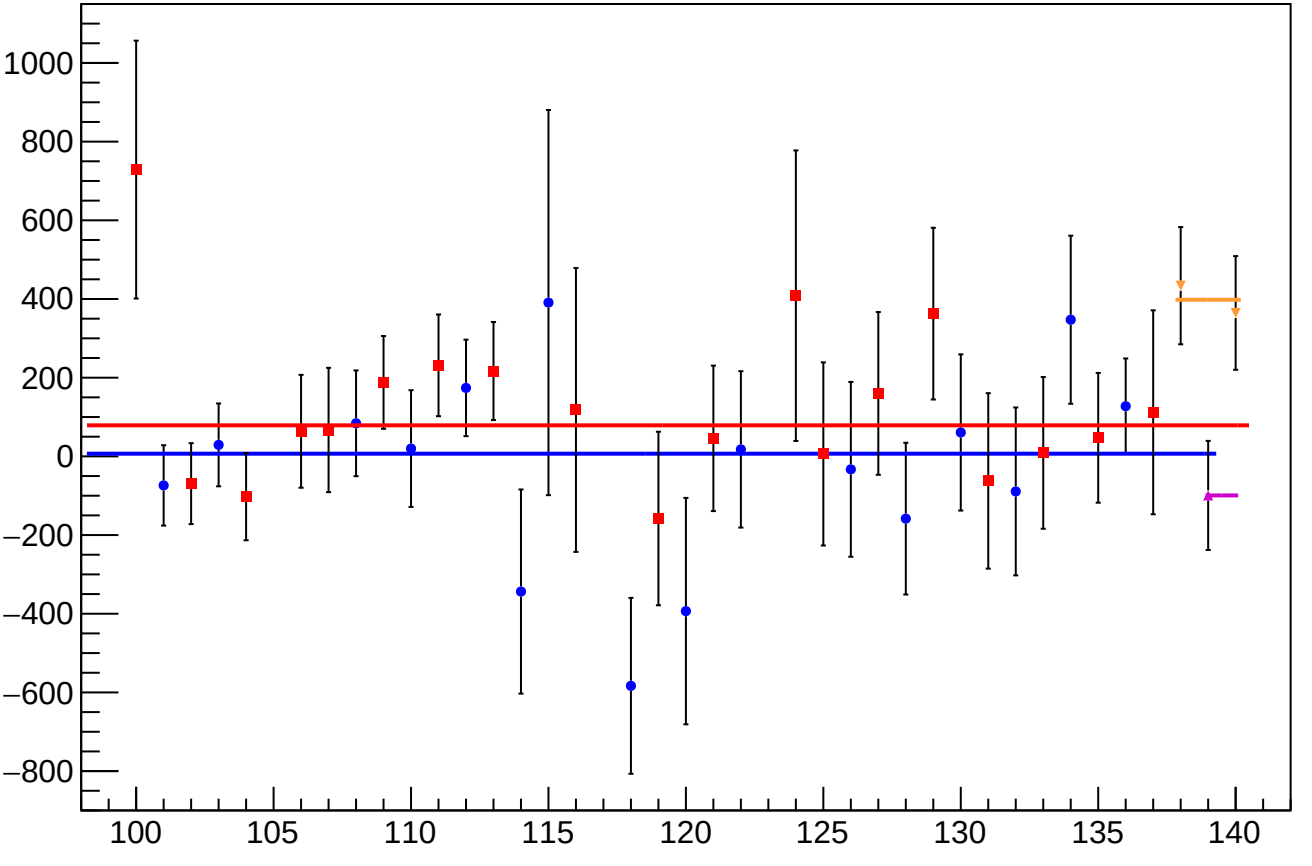
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:1649300.2/16

Out: 0.000+/-0.000 χ^2/NDF:2548084.1/20

All: 0.000+/-0.000 χ^2/NDF: 4266866.1/37

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 398.134+/-103.728 χ^2/NDF:0.1/1

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: -99.292+/-138.641 χ^2/NDF:0.0/0

Left: 219.618+/-83.055 χ^2/NDF: 8.4/2

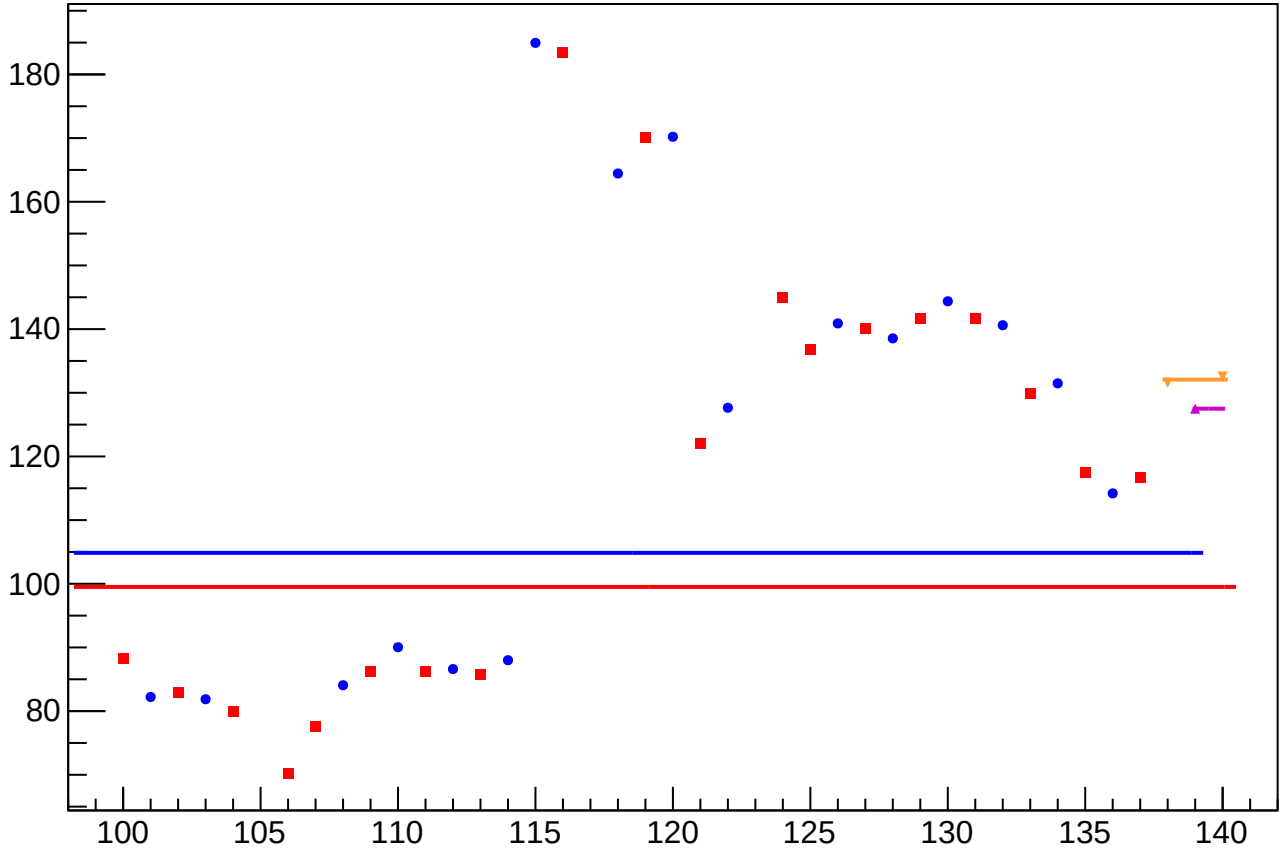
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: -1.476+/-38.745 χ^2/NDF:19.3/16

Out: 116.494+/-35.603 χ^2/NDF:25.2/20

All: 62.486+/-26.216 χ^2/NDF: 49.5/37

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 132.071+/-0.073 χ^2/NDF:45.6/1

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 127.503+/-0.098 χ^2/NDF:0.0/0

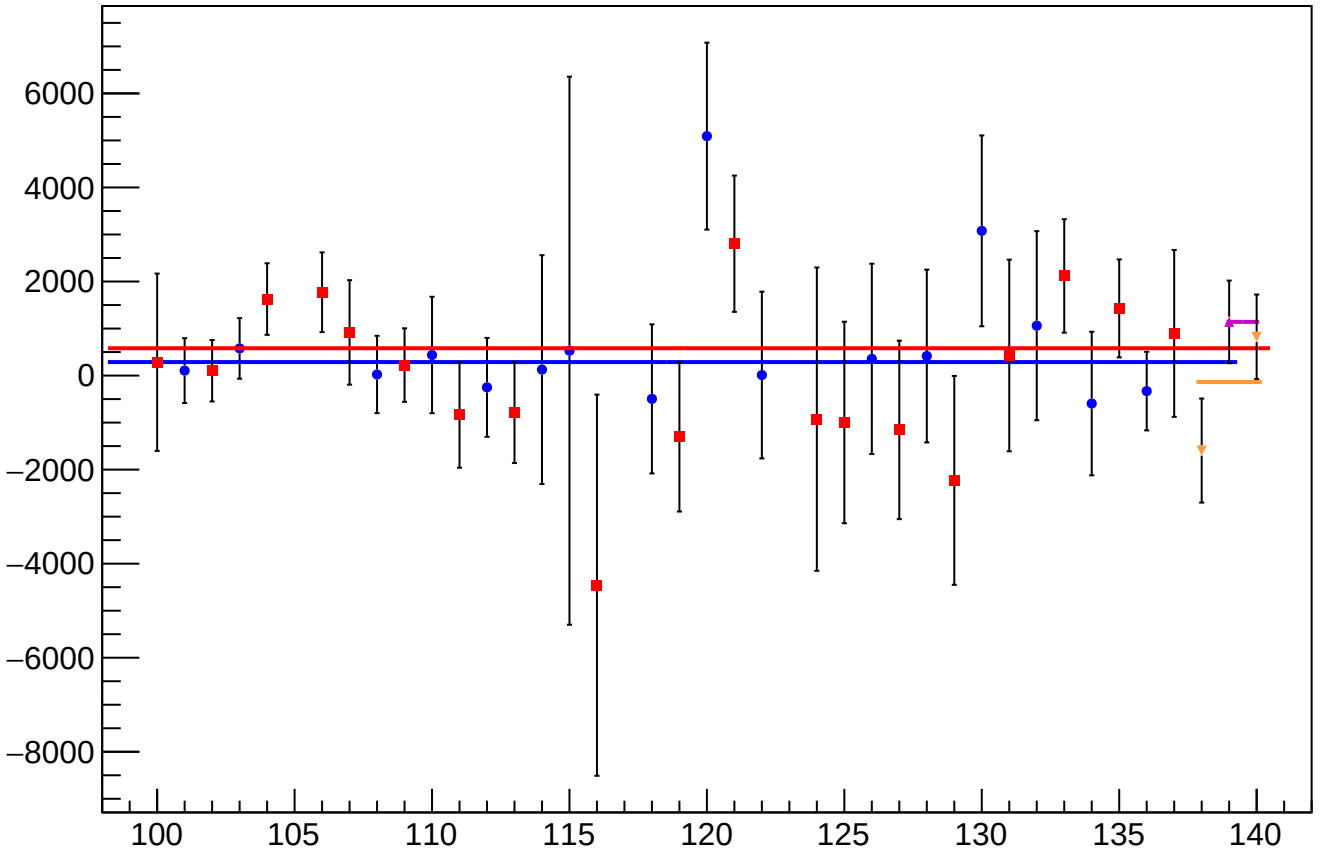
Left: 130.431+/-0.059 χ^2/NDF: 1437.4/2

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 106.628+/-0.027 χ^2/NDF:980410.8/16

Out: 103.344+/-0.025 χ^2/NDF:1212961.5/20

All: 104.848+/-0.019 χ^2/NDF: 2201163.7/37



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -136.255+/-697.454 χ^2/NDF:2.9/1

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 1141.862+/-877.672 χ^2/NDF:0.0/0

Left: 358.457+/-546.039 χ^2/NDF: 4.2/2

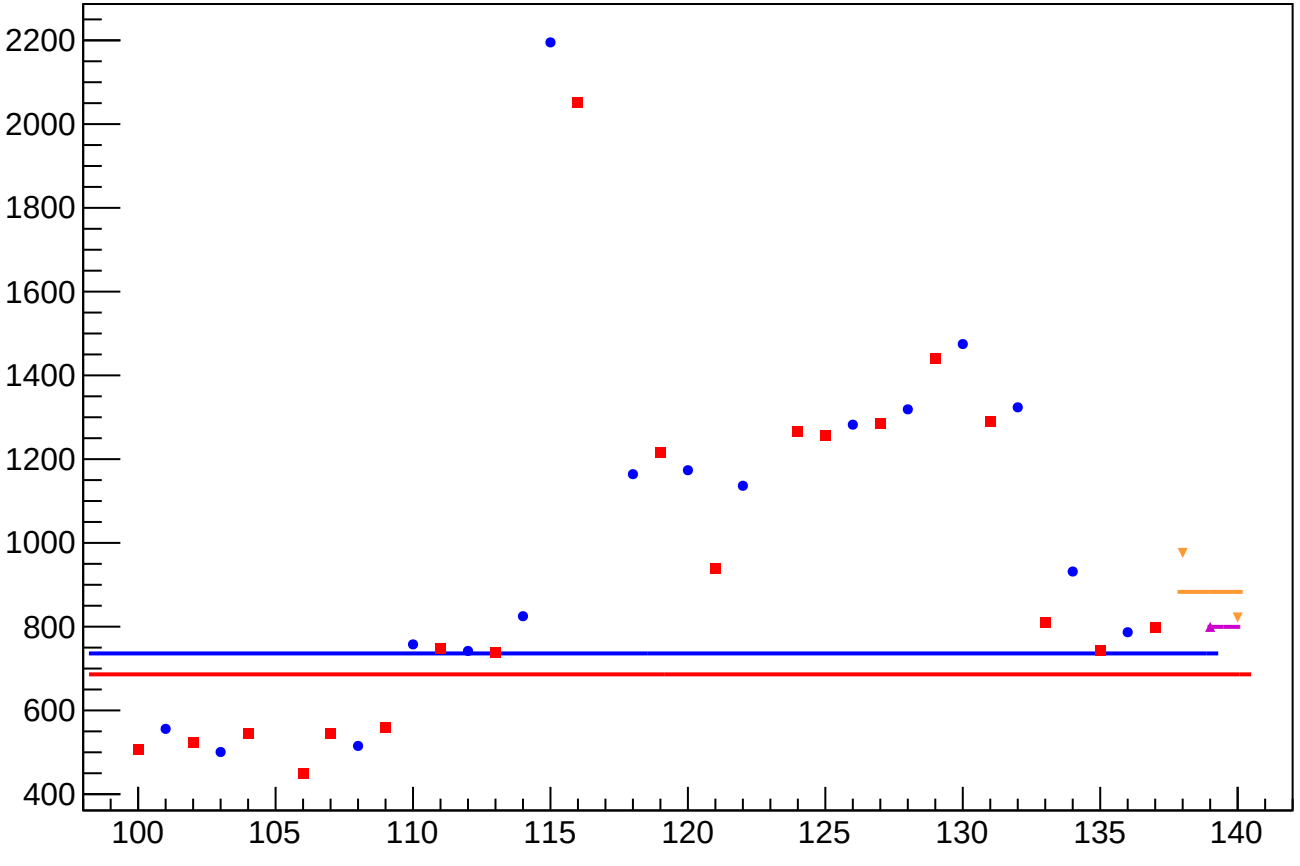
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 372.892+/-278.326 χ^2/NDF:10.5/16

Out: 487.843+/-251.609 χ^2/NDF:22.6/20

All: 436.148+/-186.647 χ^2/NDF: 33.2/37

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 883.095+/-0.493 χ^2/NDF:23411.5/1

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 799.534+/-0.621 χ^2/NDF:0.0/0

Left: 850.752+/-0.386 χ^2/NDF: 34523.3/2

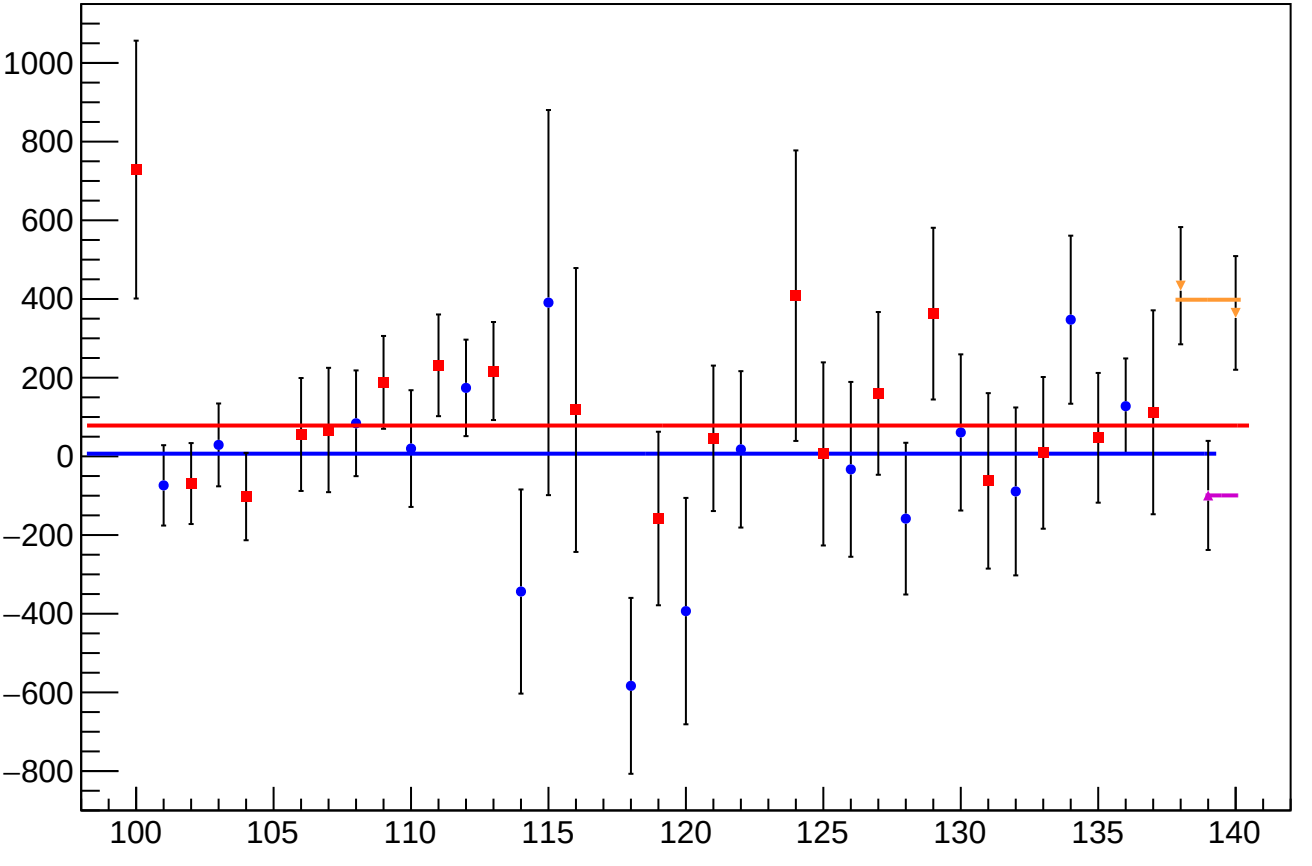
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 742.465+/-0.197 χ^2/NDF:1853897.9/16

Out: 711.745+/-0.178 χ^2/NDF:1981366.0/20

All: 725.560+/-0.132 χ^2/NDF: 3848671.7/37

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 398.130+/-103.728 χ^2/NDF:0.1/1

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: -99.299+/-138.641 χ^2/NDF:0.0/0

Left: 219.613+/-83.055 χ^2/NDF: 8.4/2

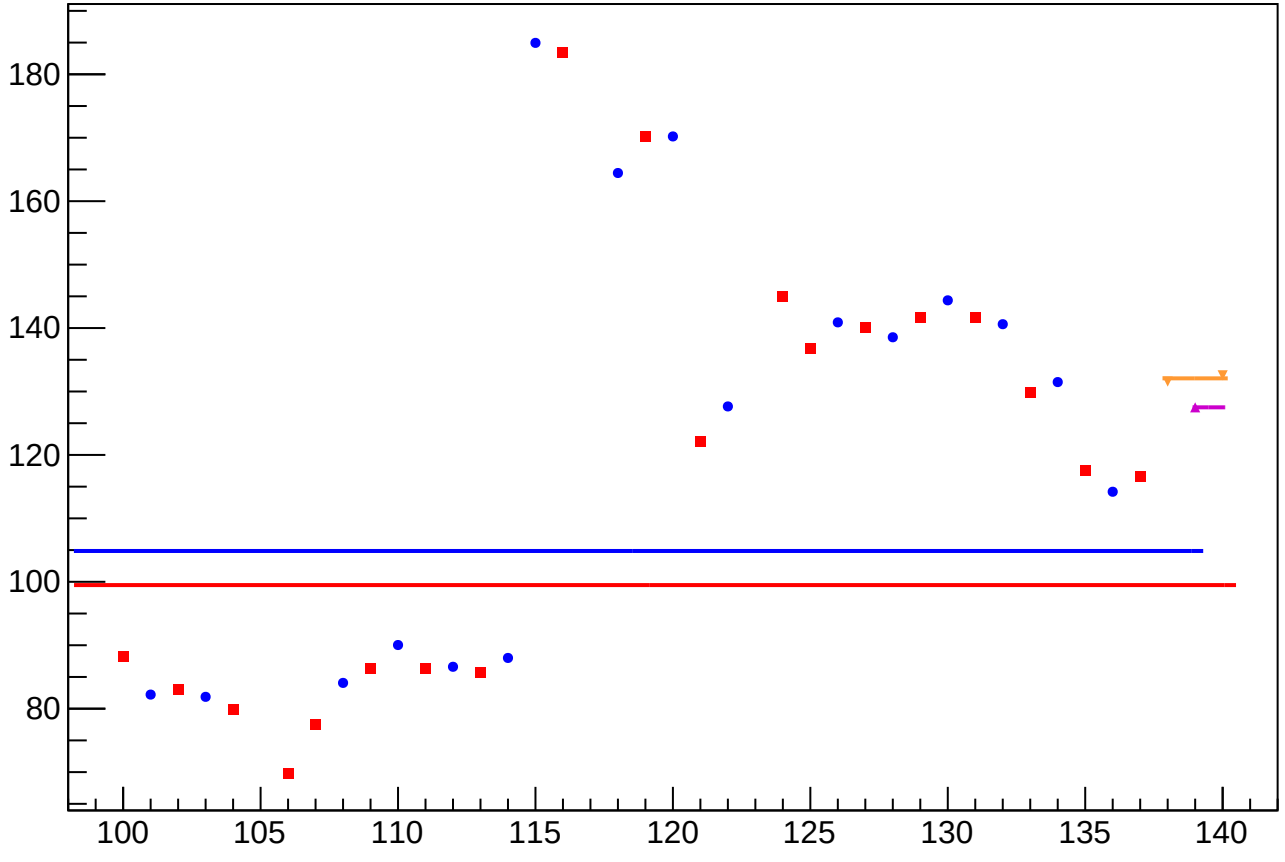
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: -1.487+/-38.745 χ^2/NDF:19.3/16

Out: 116.026+/-35.605 χ^2/NDF:25.2/20

All: 62.223+/-26.217 χ^2/NDF: 49.5/37

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 132.071+/-0.073 χ^2/NDF:45.6/1

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 127.503+/-0.098 χ^2/NDF:0.0/0

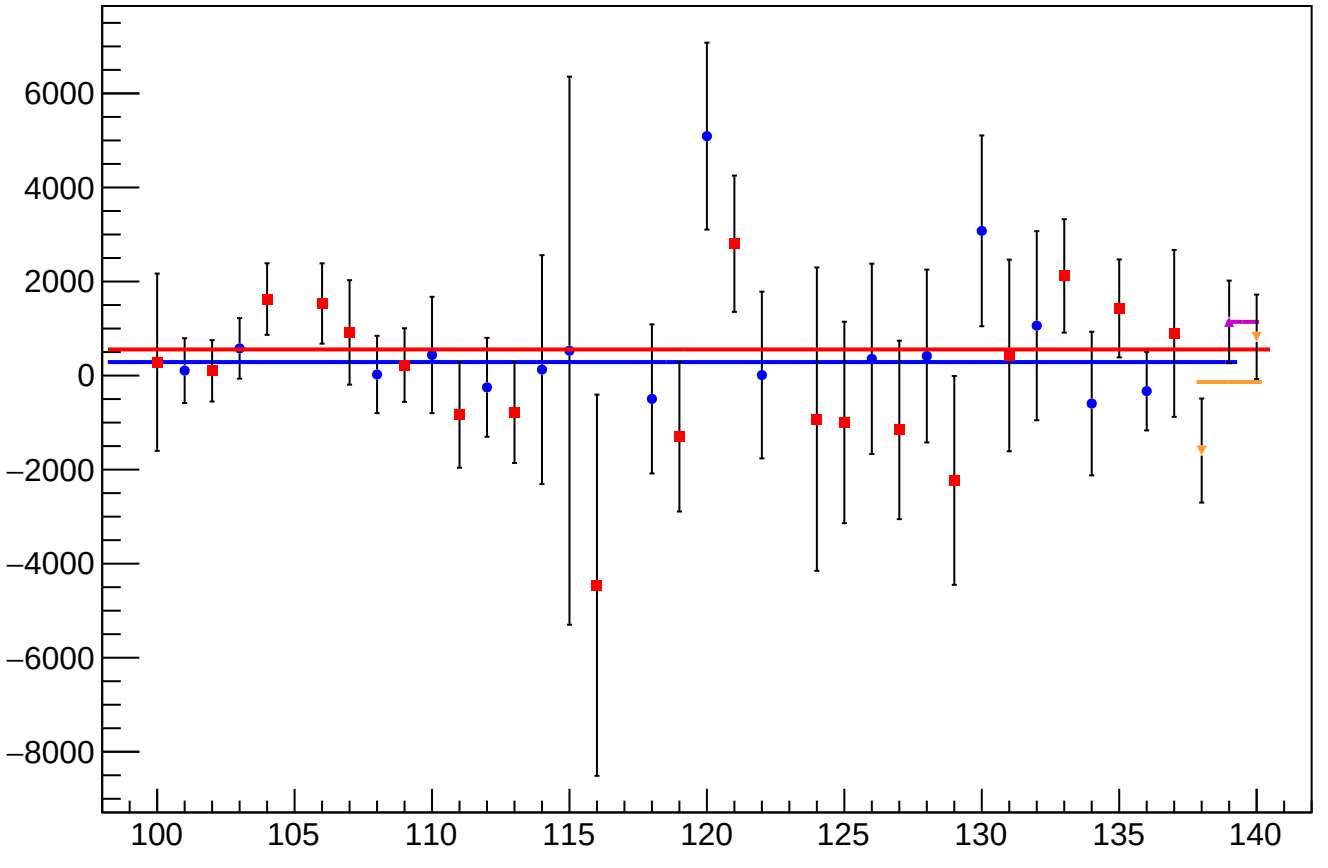
Left: 130.431+/-0.059 χ^2/NDF: 1437.4/2

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 106.628+/-0.027 χ^2/NDF:980410.1/16

Out: 103.323+/-0.025 χ^2/NDF:1215400.7/20

All: 104.836+/-0.019 χ^2/NDF: 2203699.7/37



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -136.247+/-697.454 χ^2/NDF:2.9/1

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 1141.851+/-877.672 χ^2/NDF:0.0/0

Left: 358.458+/-546.039 χ^2/NDF: 4.2/2

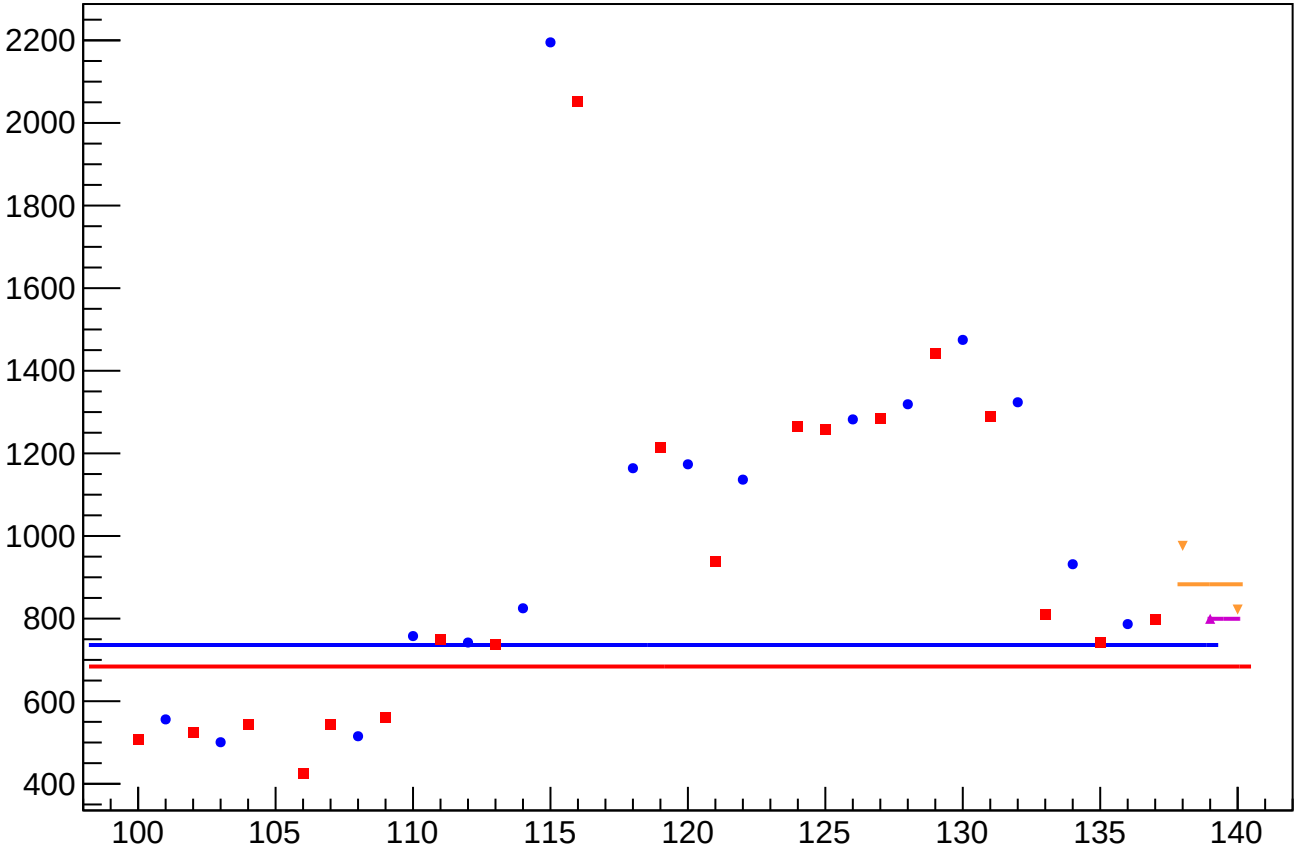
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 372.893+/-278.326 χ^2/NDF:10.5/16

Out: 465.315+/-251.753 χ^2/NDF:21.8/20

All: 423.726+/-186.706 χ^2/NDF: 32.4/37

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 883.095+/-0.493 χ^2/NDF:23411.7/1

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 799.534+/-0.621 χ^2/NDF:0.0/0

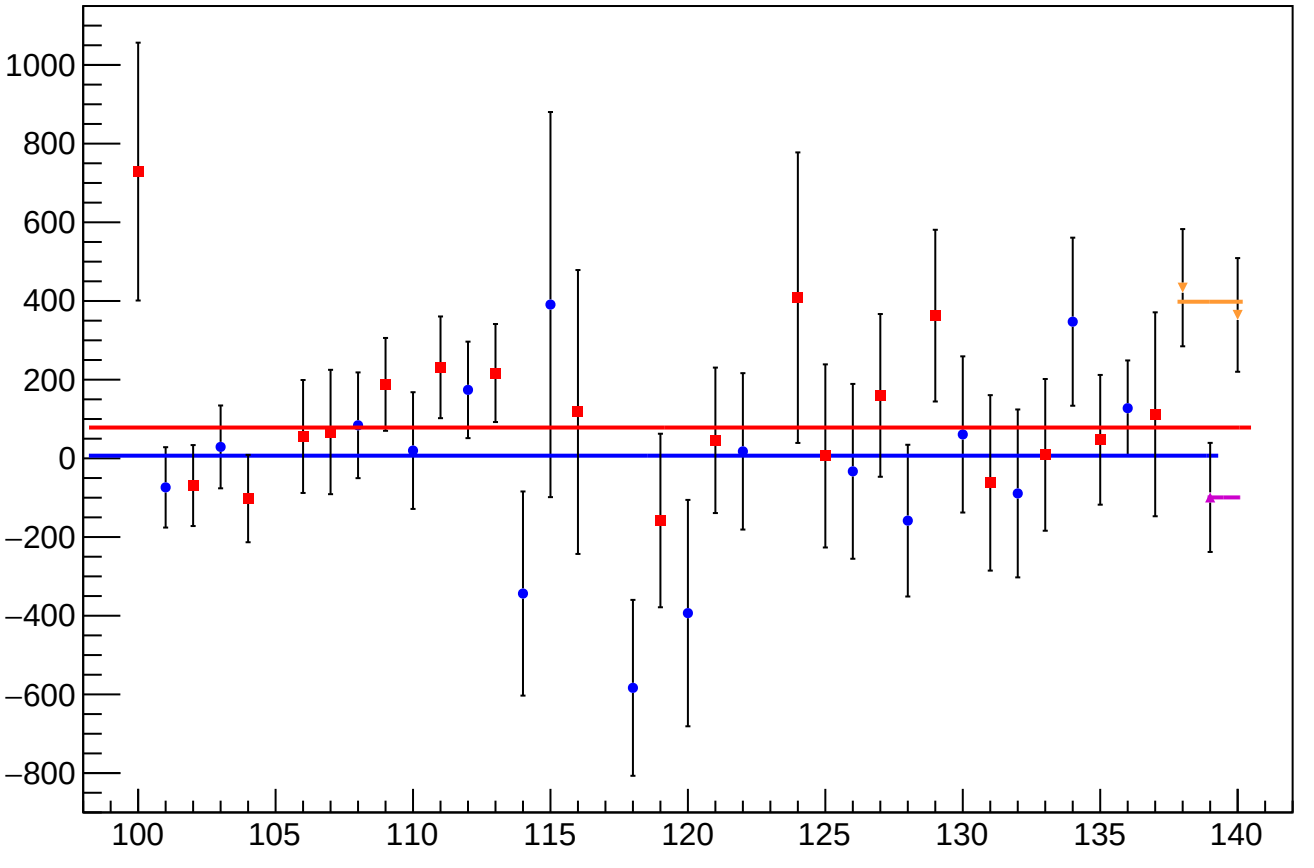
Left: 850.752+/-0.386 χ^2/NDF: 34523.6/2

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 742.464+/-0.197 χ^2/NDF:1853900.0/16

Out: 709.924+/-0.178 χ^2/NDF:2015582.2/20

All: 724.567+/-0.132 χ^2/NDF: 3884518.3/37



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 398.130+/-103.728 χ^2/NDF:0.1/1

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: -99.299+/-138.641 χ^2/NDF:0.0/0

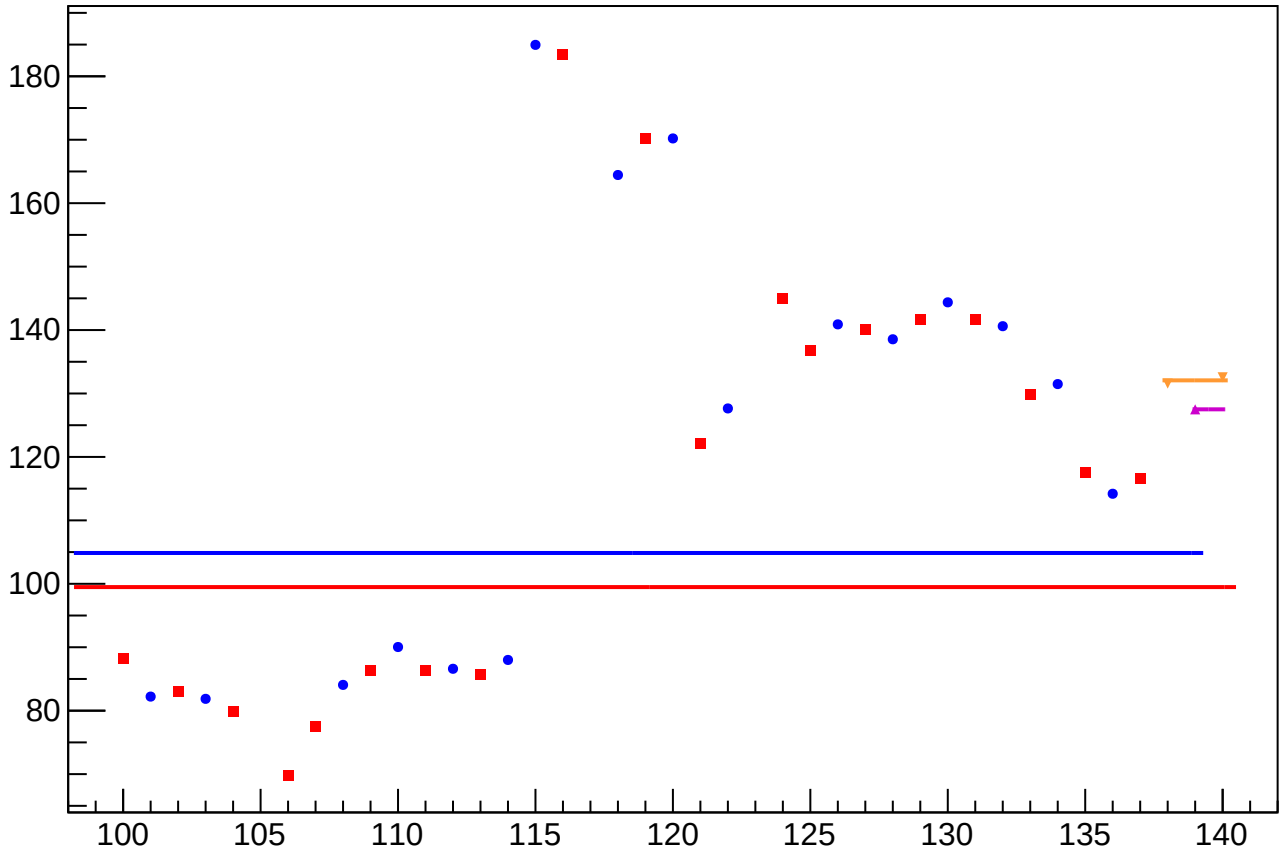
Left: 219.613+/-83.055 χ^2/NDF: 8.4/2

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: -1.487+/-38.745 χ^2/NDF:19.3/16

Out: 116.026+/-35.605 χ^2/NDF:25.2/20

All: 62.223+/-26.217 χ^2/NDF: 49.5/37



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 132.071+/-0.073 χ^2/NDF:45.6/1

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 127.503+/-0.098 χ^2/NDF:0.0/0

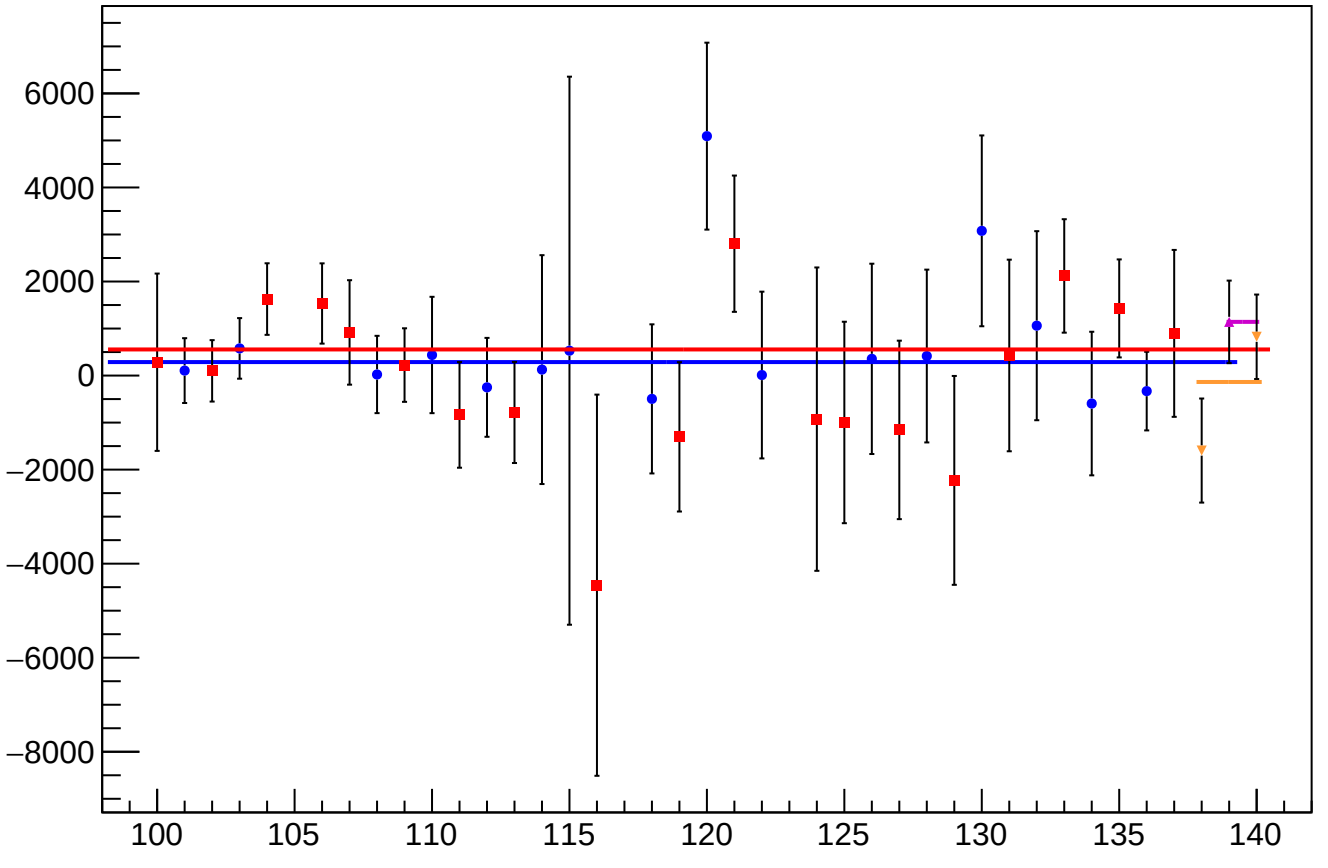
Left: 130.431+/-0.059 χ^2/NDF: 1437.4/2

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 106.628+/-0.027 χ^2/NDF:980410.1/16

Out: 103.323+/-0.025 χ^2/NDF:1215400.7/20

All: 104.836+/-0.019 χ^2/NDF: 2203699.7/37



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -136.247+/-697.454 χ^2/NDF:2.9/1

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 1141.851+/-877.672 χ^2/NDF:0.0/0

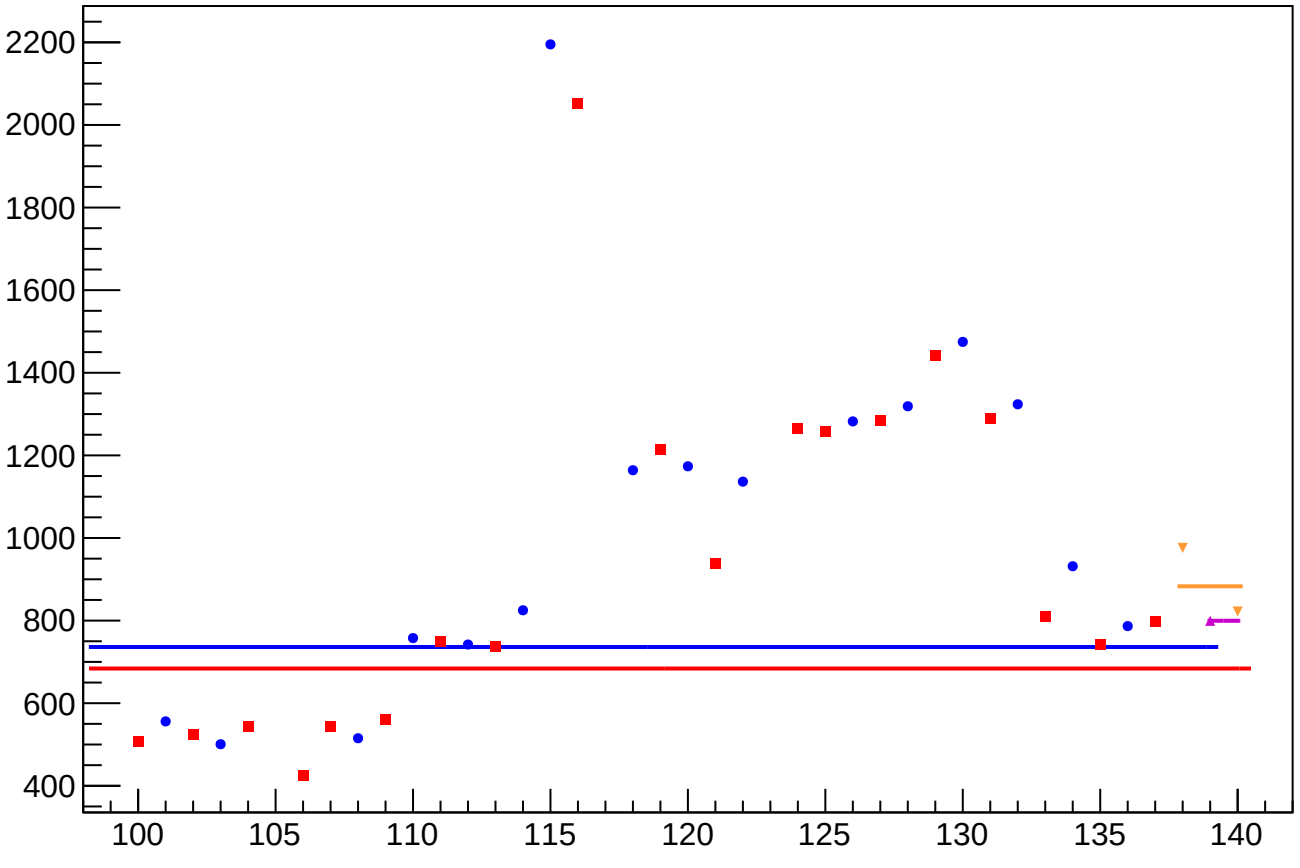
Left: 358.458+/-546.039 χ^2/NDF: 4.2/2

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 372.893+/-278.326 χ^2/NDF:10.5/16

Out: 465.315+/-251.753 χ^2/NDF:21.8/20

All: 423.726+/-186.706 χ^2/NDF: 32.4/37



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 883.095+/-0.493 χ^2/NDF:23411.7/1

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 799.534+/-0.621 χ^2/NDF:0.0/0

Left: 850.752+/-0.386 χ^2/NDF: 34523.6/2

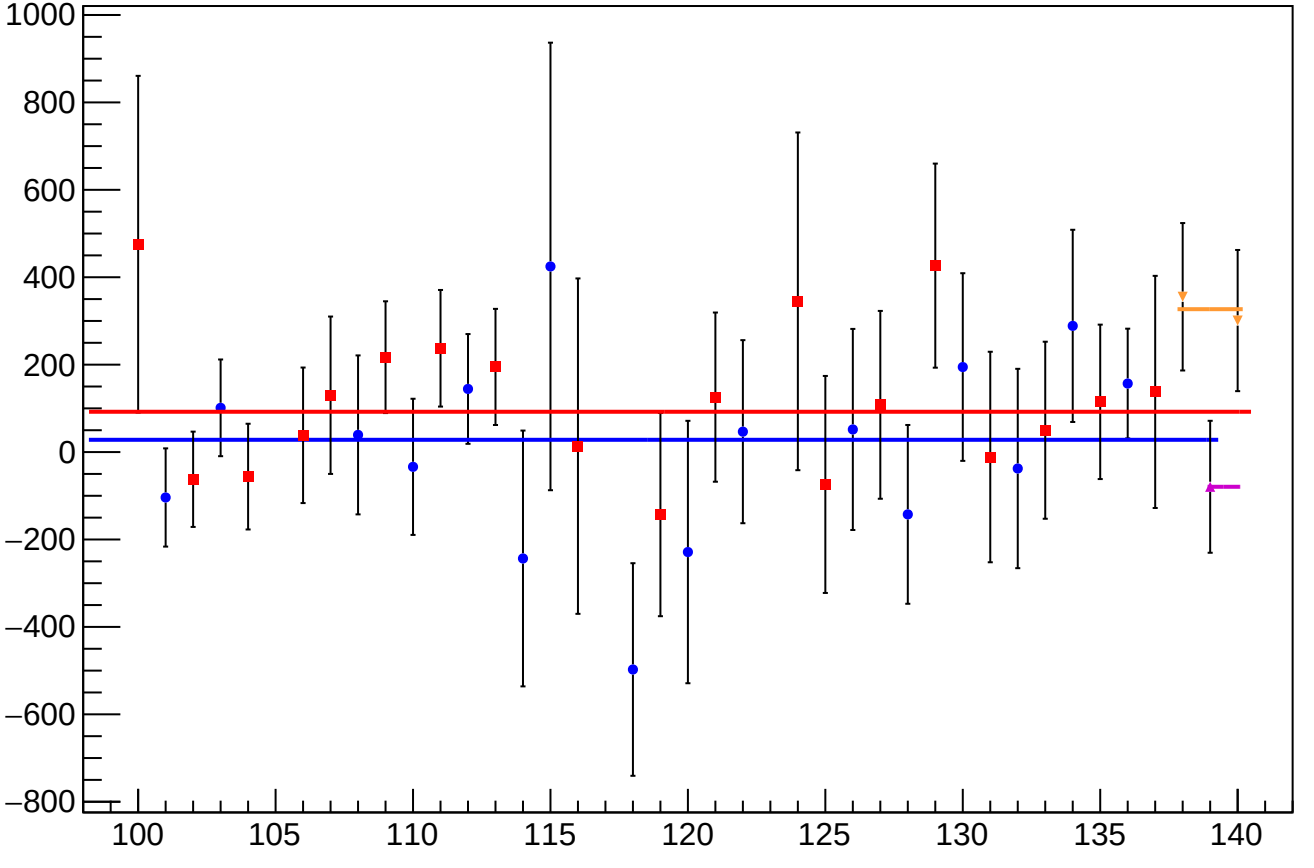
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 742.464+/-0.197 χ^2/NDF:1853900.0/16

Out: 709.924+/-0.178 χ^2/NDF:2015582.2/20

All: 724.567+/-0.132 χ^2/NDF: 3884518.3/37

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 326.925+/-116.645 χ^2/NDF:0.1/1

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: -79.404+/-150.948 χ^2/NDF:0.0/0

Left: 175.006+/-92.298 χ^2/NDF: 4.6/2

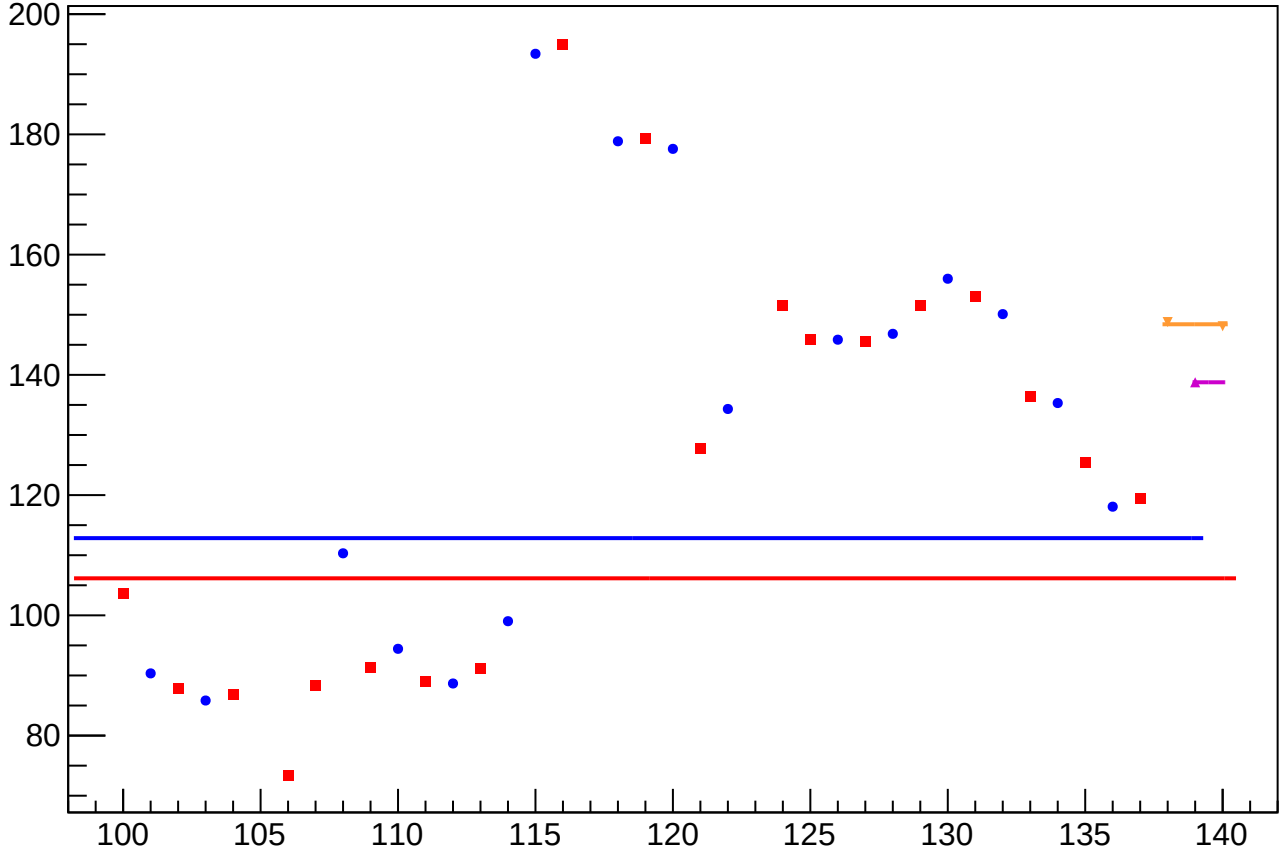
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 19.872+/-41.745 χ^2/NDF:14.0/16

Out: 117.538+/-38.292 χ^2/NDF:15.4/20

All: 72.910+/-28.218 χ^2/NDF: 32.4/37

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 148.416+/-0.082 χ^2/NDF:17.8/1

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 138.766+/-0.107 χ^2/NDF:0.0/0

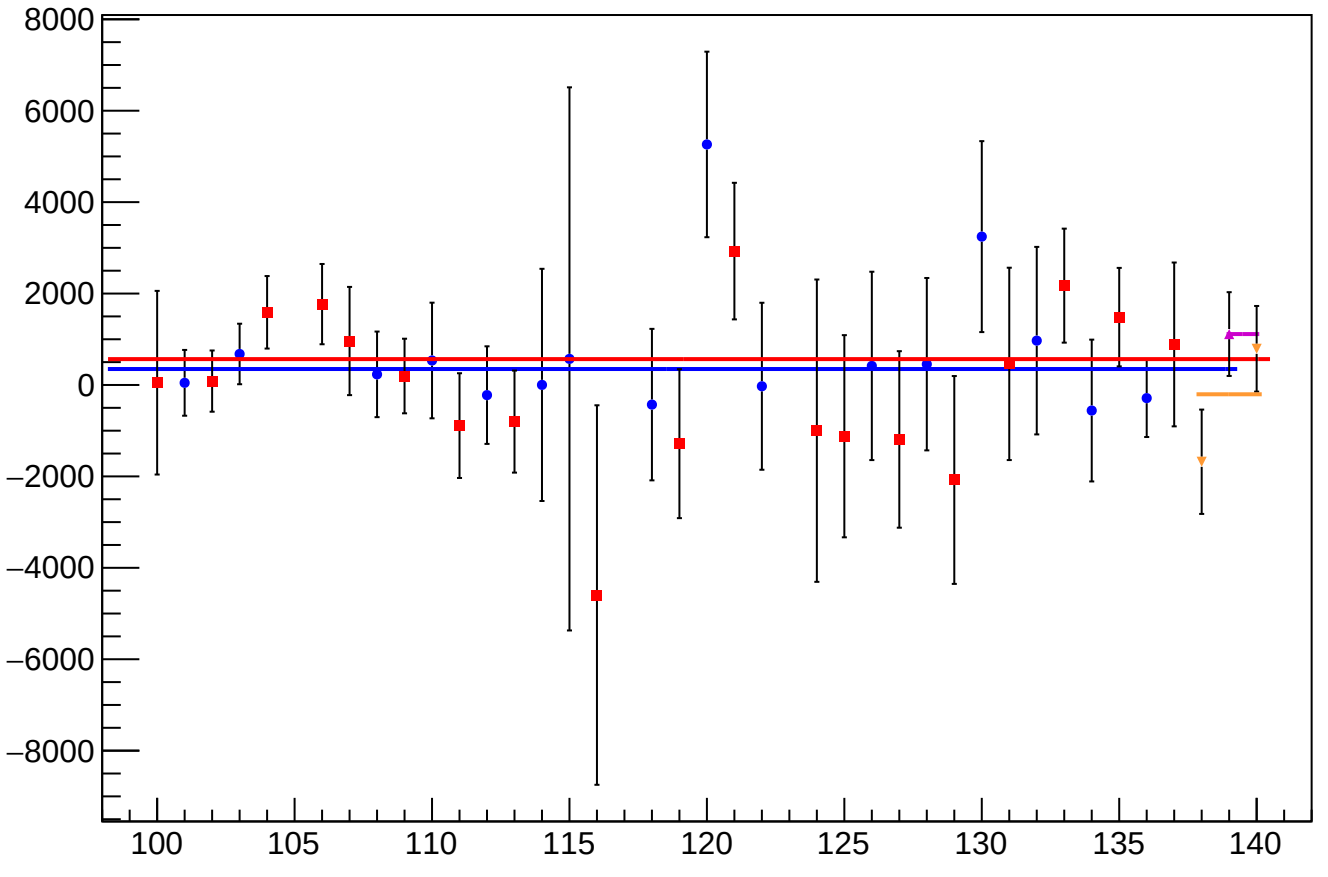
Left: 144.808+/-0.065 χ^2/NDF: 5135.4/2

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 114.825+/-0.030 χ^2/NDF:926702.1/16

Out: 110.713+/-0.027 χ^2/NDF:1236361.3/20

All: 112.592+/-0.020 χ^2/NDF: 2173605.3/37



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -203.439+/-724.117 χ^2/NDF:2.8/1

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 1113.802+/-916.334 χ^2/NDF:0.0/0

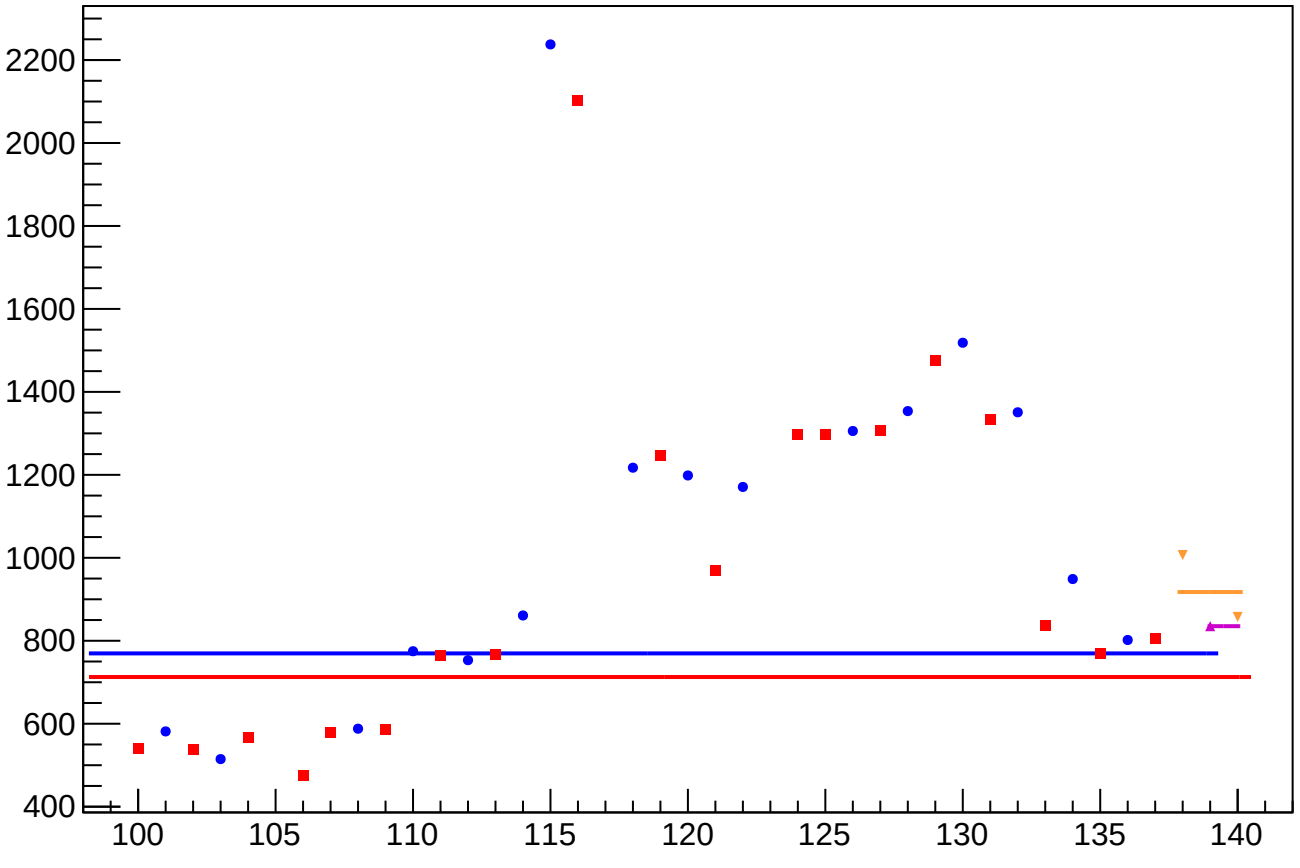
Left: 302.927+/-568.137 χ^2/NDF: 4.1/2

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 425.529+/-289.671 χ^2/NDF:10.4/16

Out: 466.426+/-260.522 χ^2/NDF:22.1/20

All: 448.138+/-193.705 χ^2/NDF: 32.5/37



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 917.521+/-0.512 χ^2/NDF:20413.4/1

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 835.189+/-0.648 χ^2/NDF:0.0/0

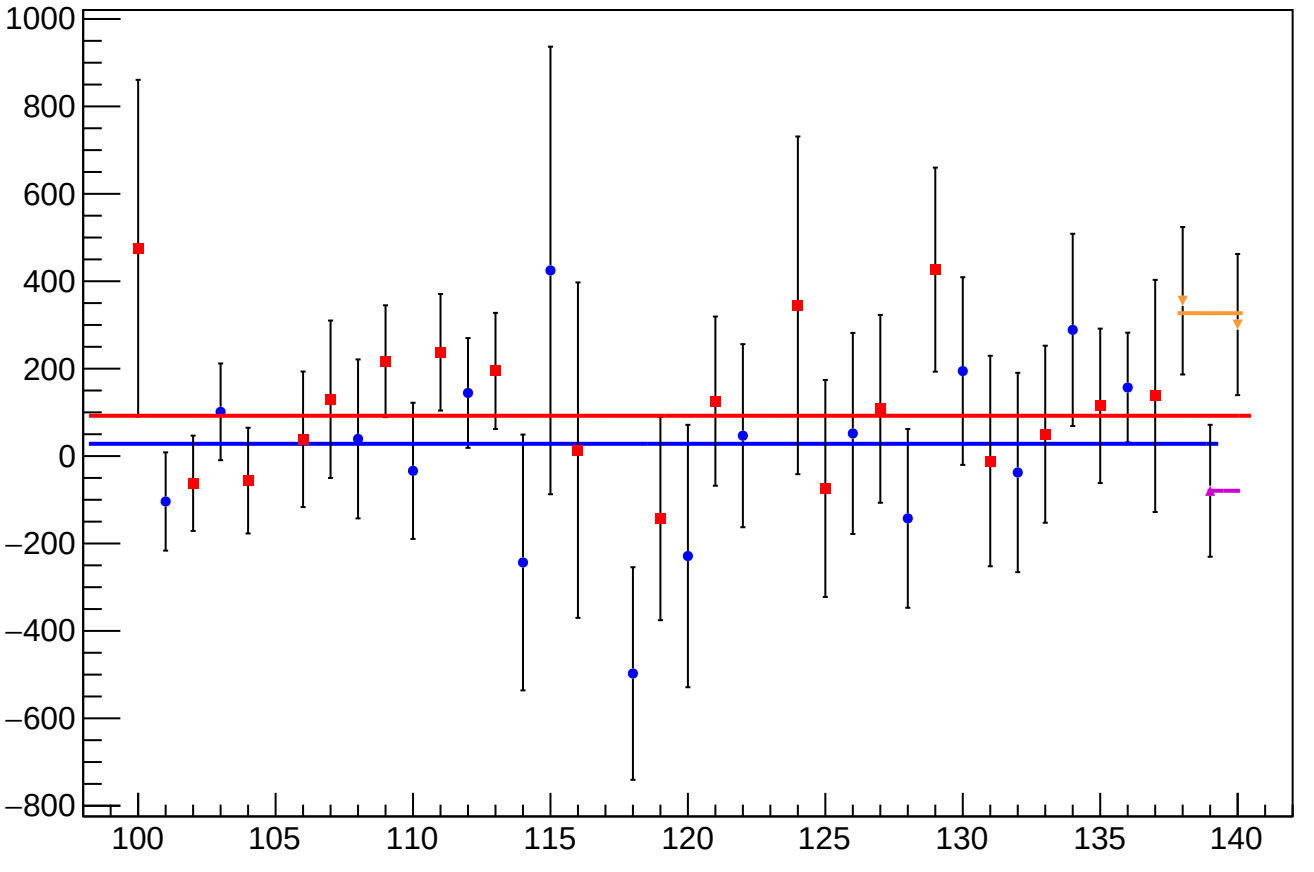
Left: 885.871+/-0.402 χ^2/NDF: 30352.4/2

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 776.116+/-0.205 χ^2/NDF:1749172.1/16

Out: 739.150+/-0.184 χ^2/NDF:1927039.7/20

All: 755.680+/-0.137 χ^2/NDF: 3694218.1/37



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 326.924+/-116.645 χ^2/NDF:0.1/1

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: -79.400+/-150.949 χ^2/NDF:0.0/0

Left: 175.007+/-92.299 χ^2/NDF: 4.6/2

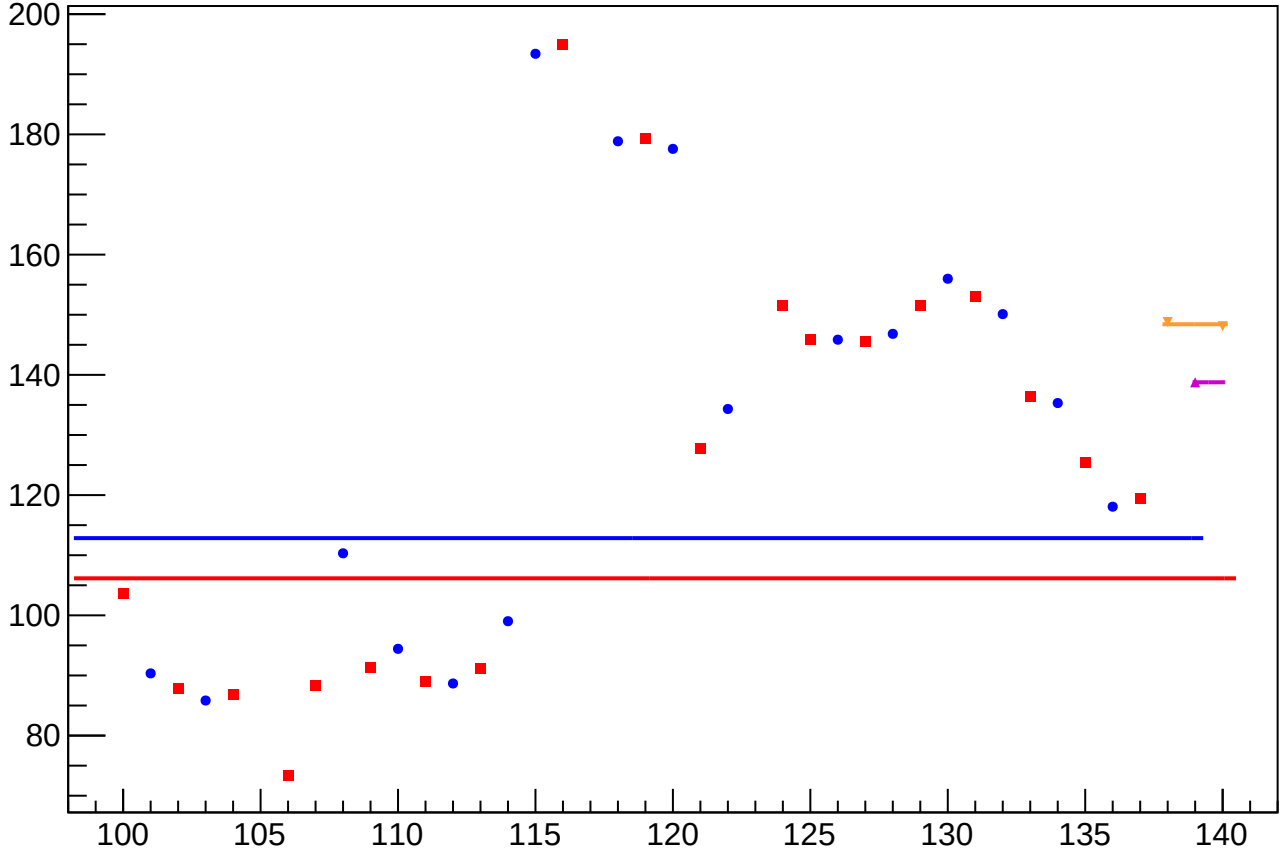
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 19.872+/-41.745 χ^2/NDF:14.0/16

Out: 117.537+/-38.292 χ^2/NDF:15.4/20

All: 72.910+/-28.218 χ^2/NDF: 32.4/37

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 148.417+/-0.082 χ^2/NDF:17.8/1

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 138.767+/-0.107 χ^2/NDF:0.0/0

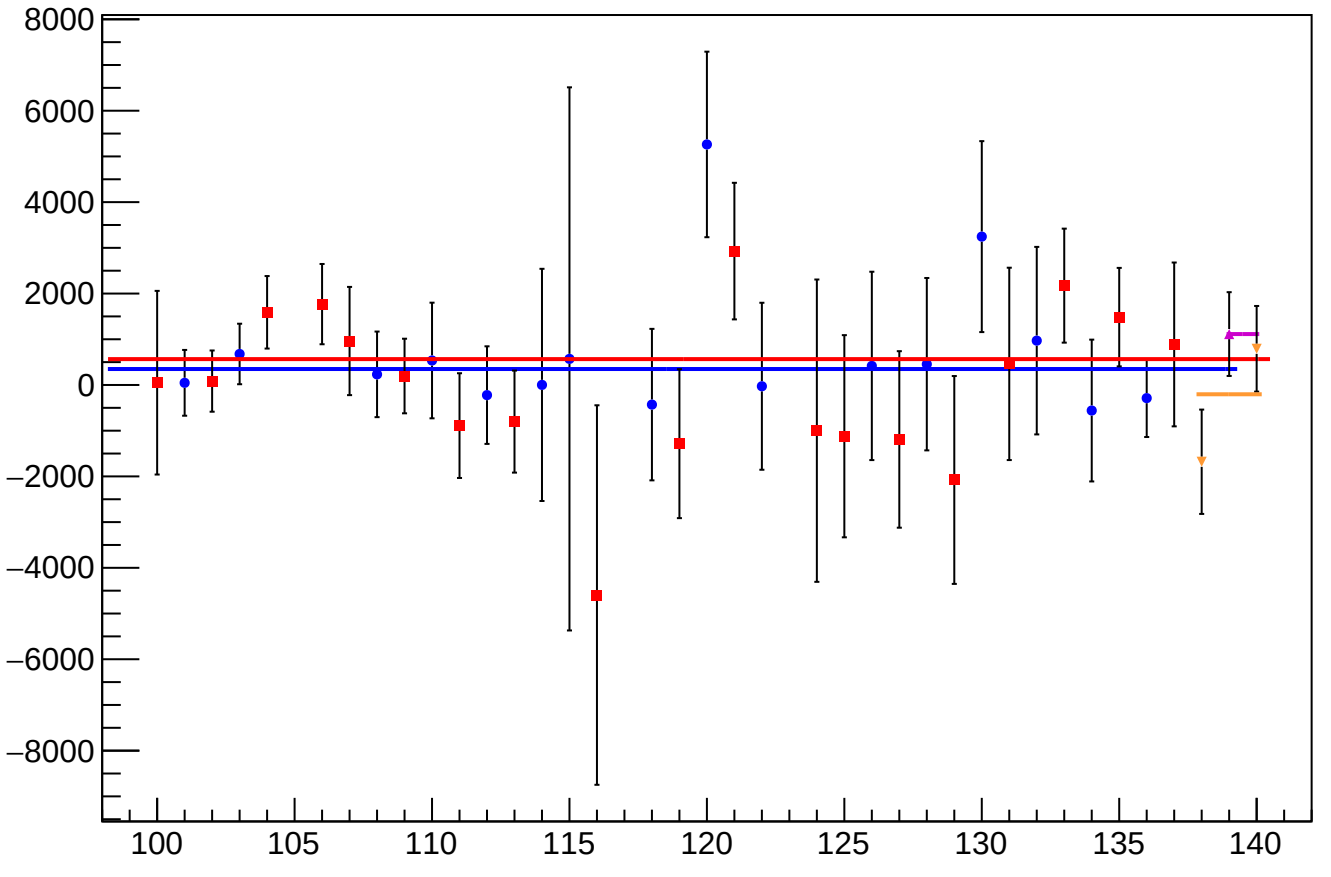
Left: 144.809+/-0.065 χ^2/NDF: 5135.5/2

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 114.825+/-0.030 χ^2/NDF:926699.9/16

Out: 110.712+/-0.027 χ^2/NDF:1236360.0/20

All: 112.592+/-0.020 χ^2/NDF: 2173601.3/37



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -203.439+/-724.120 χ^2/NDF:2.8/1

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 1113.806+/-916.336 χ^2/NDF:0.0/0

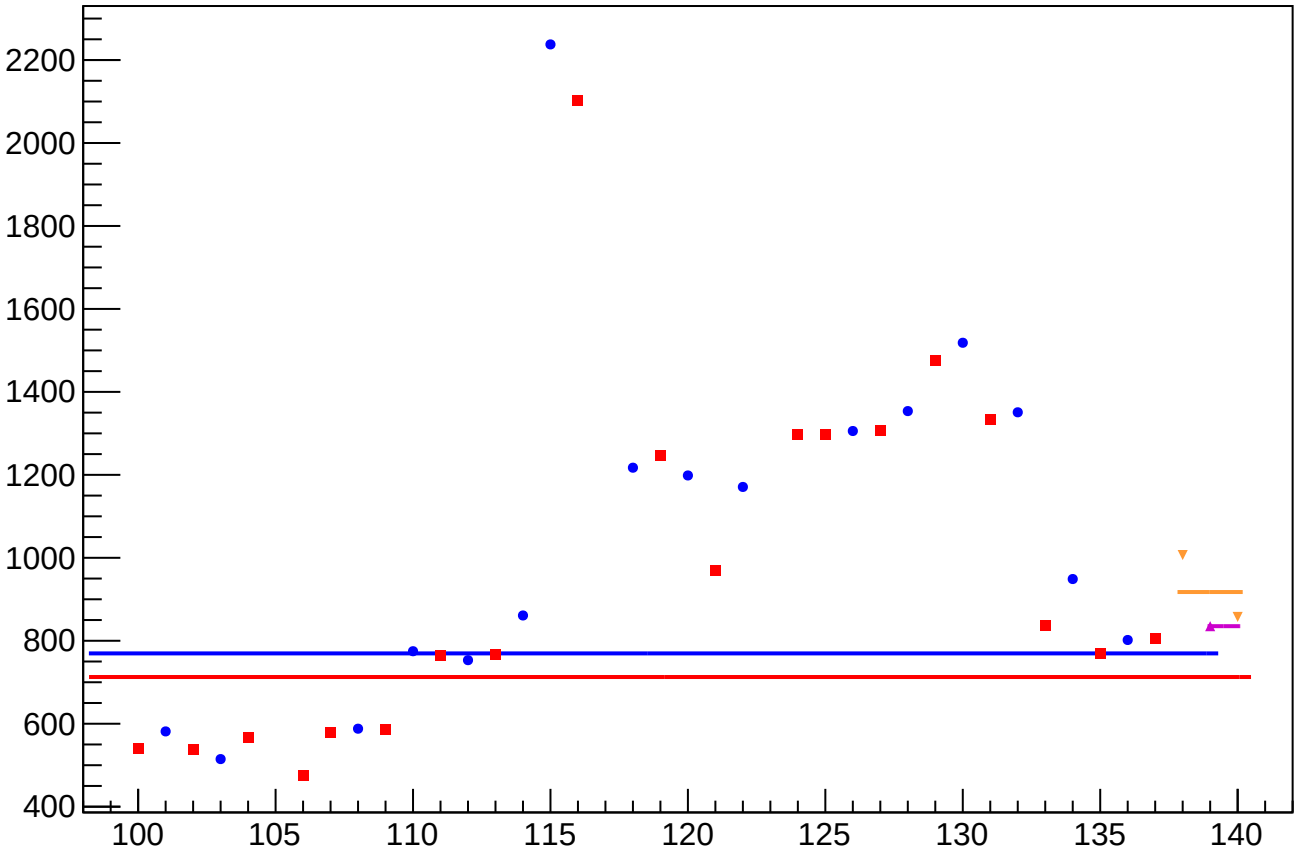
Left: 302.929+/-568.139 χ^2/NDF: 4.1/2

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 425.528+/-289.670 χ^2/NDF:10.4/16

Out: 466.427+/-260.521 χ^2/NDF:22.1/20

All: 448.138+/-193.704 χ^2/NDF: 32.5/37



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 917.524+/-0.512 χ^2/NDF:20413.5/1

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 835.191+/-0.648 χ^2/NDF:0.0/0

Left: 885.874+/-0.402 χ^2/NDF: 30353.0/2

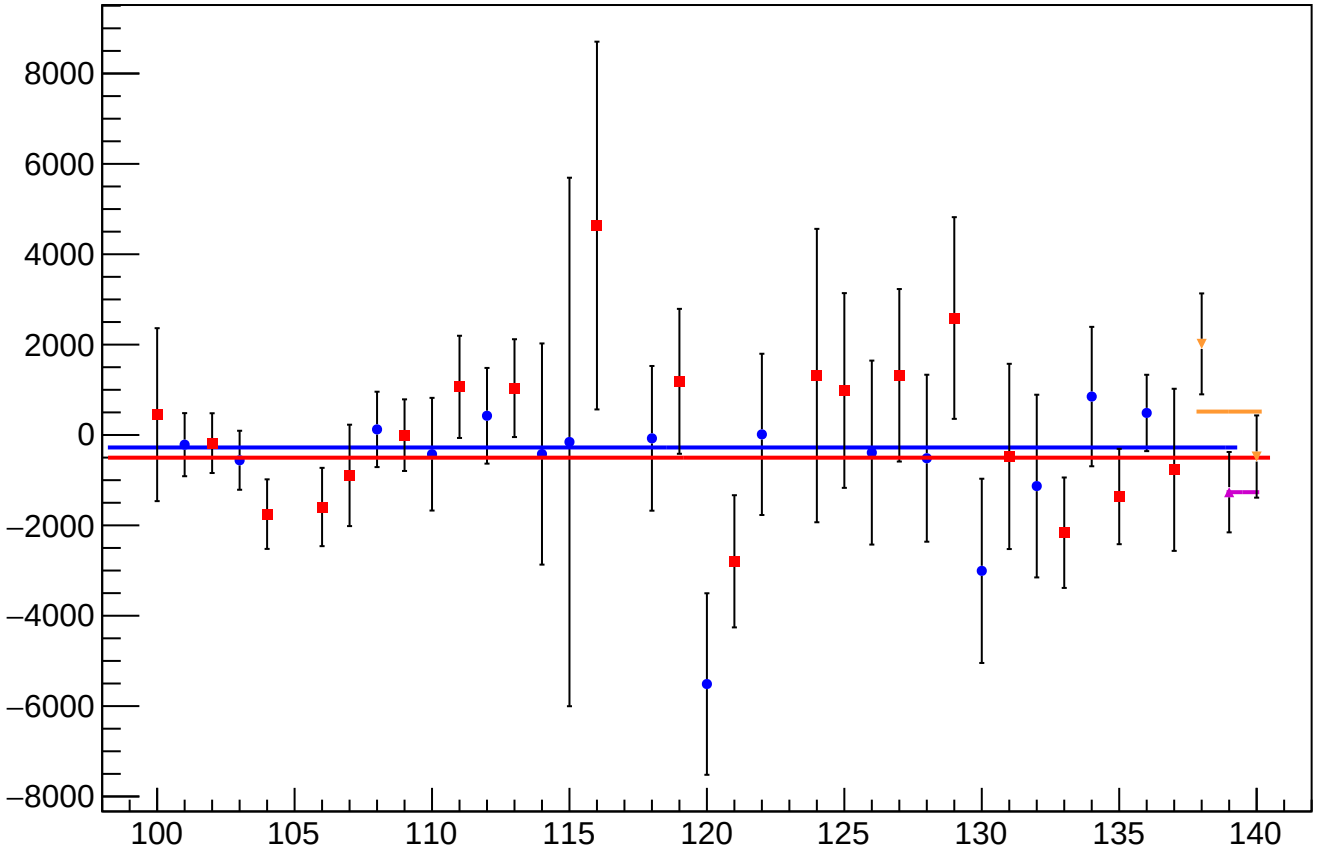
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 776.115+/-0.205 χ^2/NDF:1749169.5/16

Out: 739.149+/-0.184 χ^2/NDF:1927038.5/20

All: 755.679+/-0.137 χ^2/NDF: 3694214.1/37

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 518.143+/-705.542 χ^2/NDF:3.0/1

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -1265.664+/-889.201 χ^2/NDF:0.0/0

Left: -171.017+/-552.695 χ^2/NDF: 5.5/2

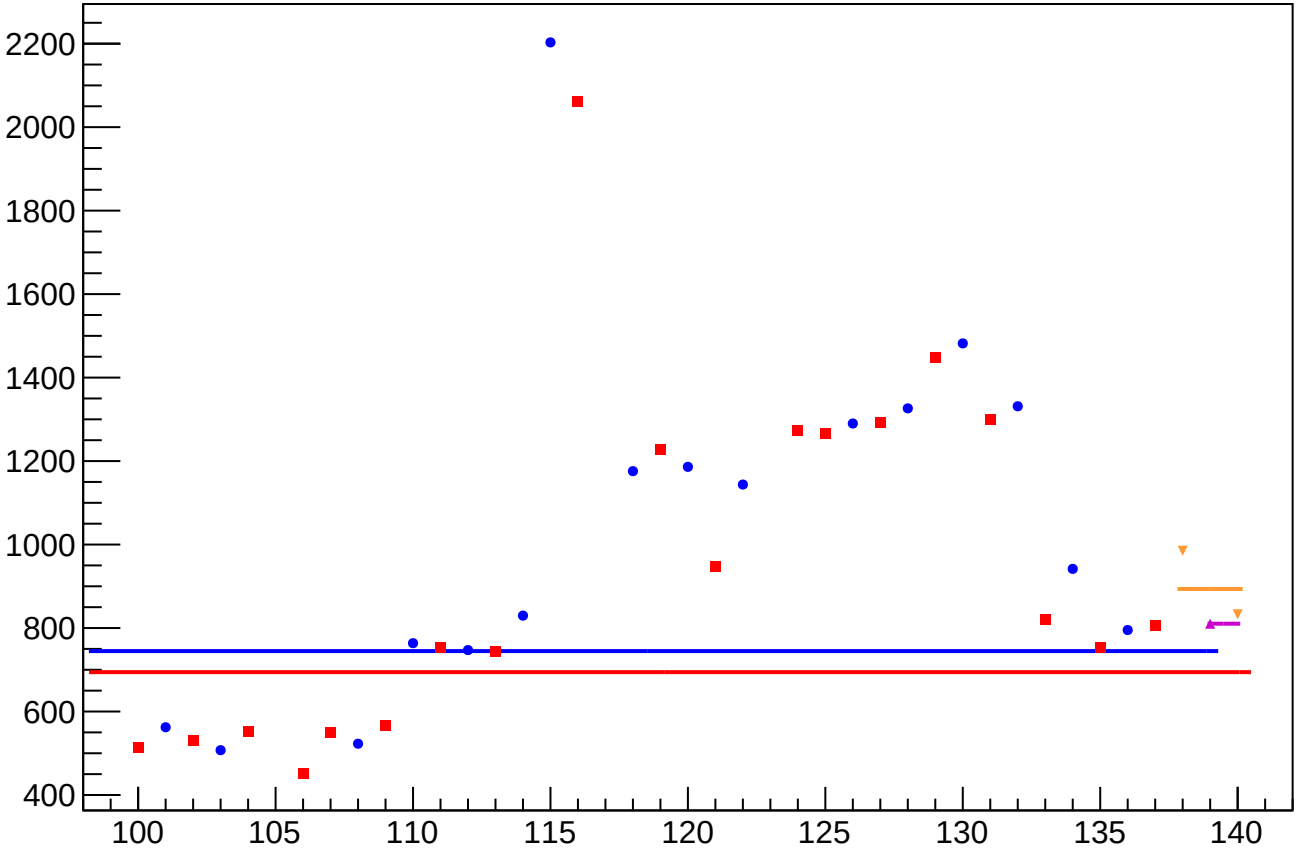
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -375.330+/-281.453 χ^2/NDF:12.2/16

Out: -369.149+/-254.597 χ^2/NDF:25.3/20

All: -371.930+/-188.810 χ^2/NDF: 37.5/37

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 893.583+/-0.499 χ^2/NDF:22326.6/1

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 810.395+/-0.629 χ^2/NDF:0.0/0

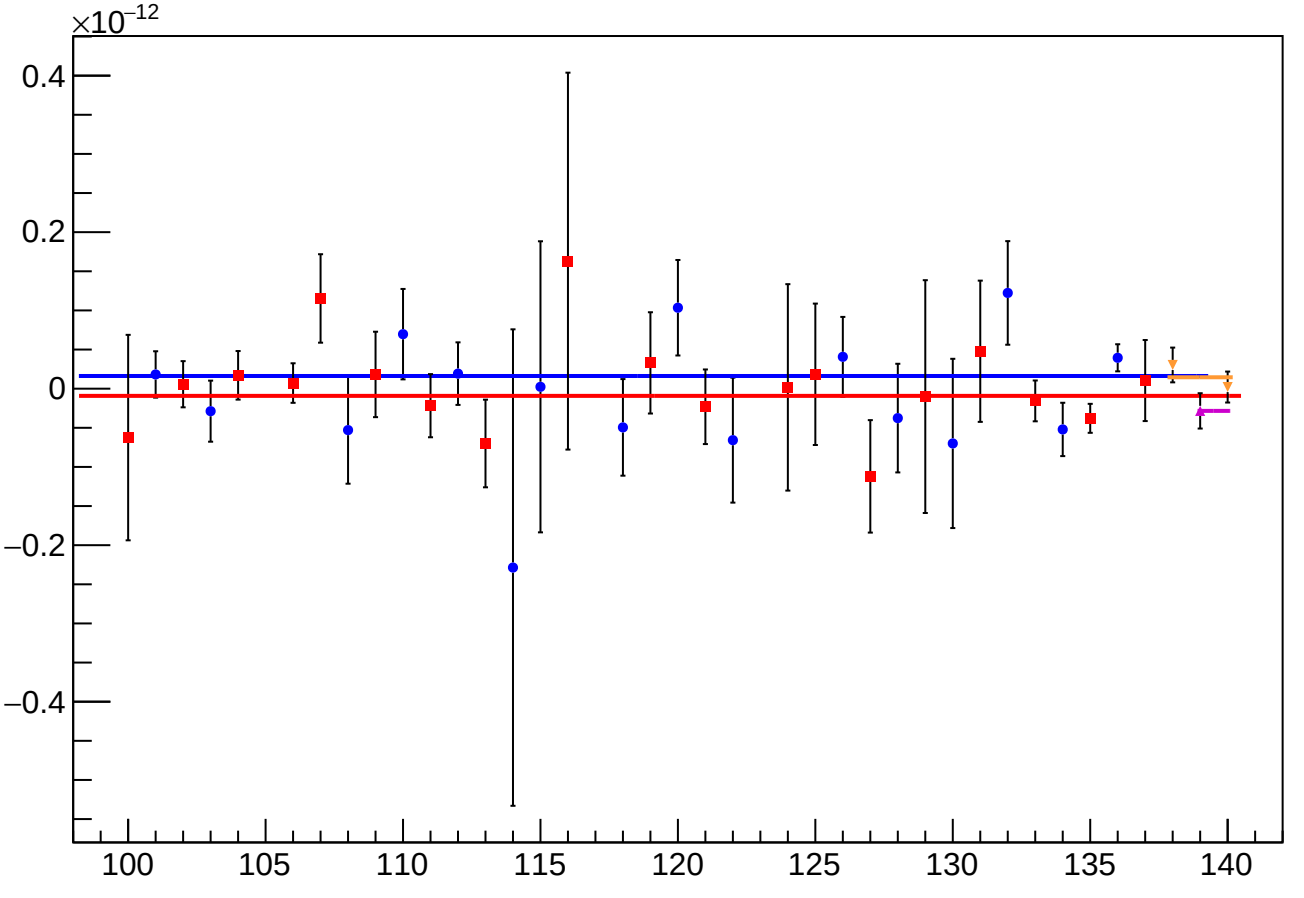
Left: 861.444+/-0.391 χ^2/NDF: 33068.4/2

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 751.356+/-0.199 χ^2/NDF:1832351.7/16

Out: 720.292+/-0.180 χ^2/NDF:1964784.0/20

All: 734.271+/-0.134 χ^2/NDF: 3810535.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

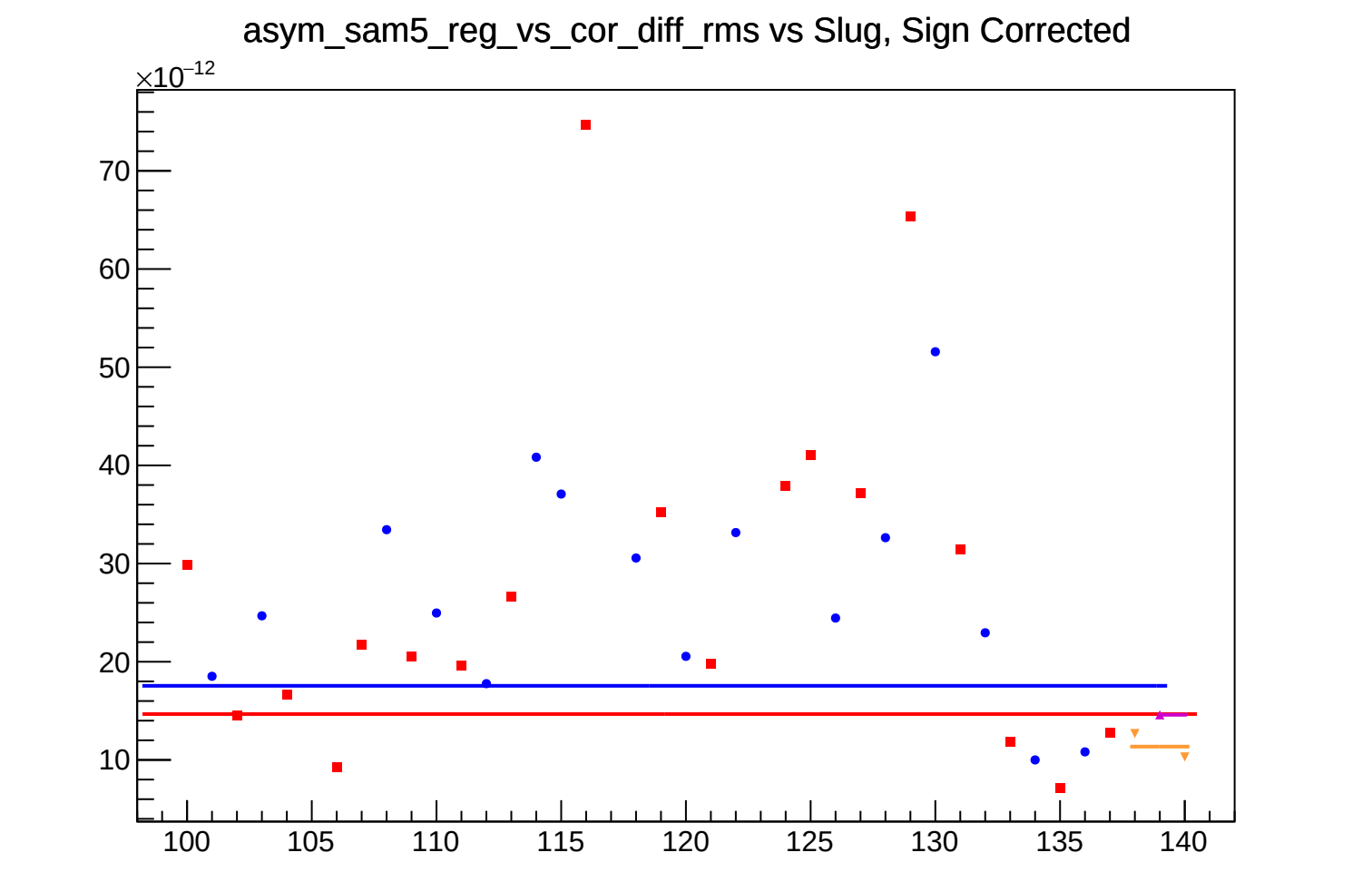
Left: 0.000+/-0.000 χ^2/NDF: 3.4/2

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:21.1/16

Out: -0.000+/-0.000 χ^2/NDF:16.9/20

All: 0.000+/-0.000 χ^2/NDF: 38.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12856.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

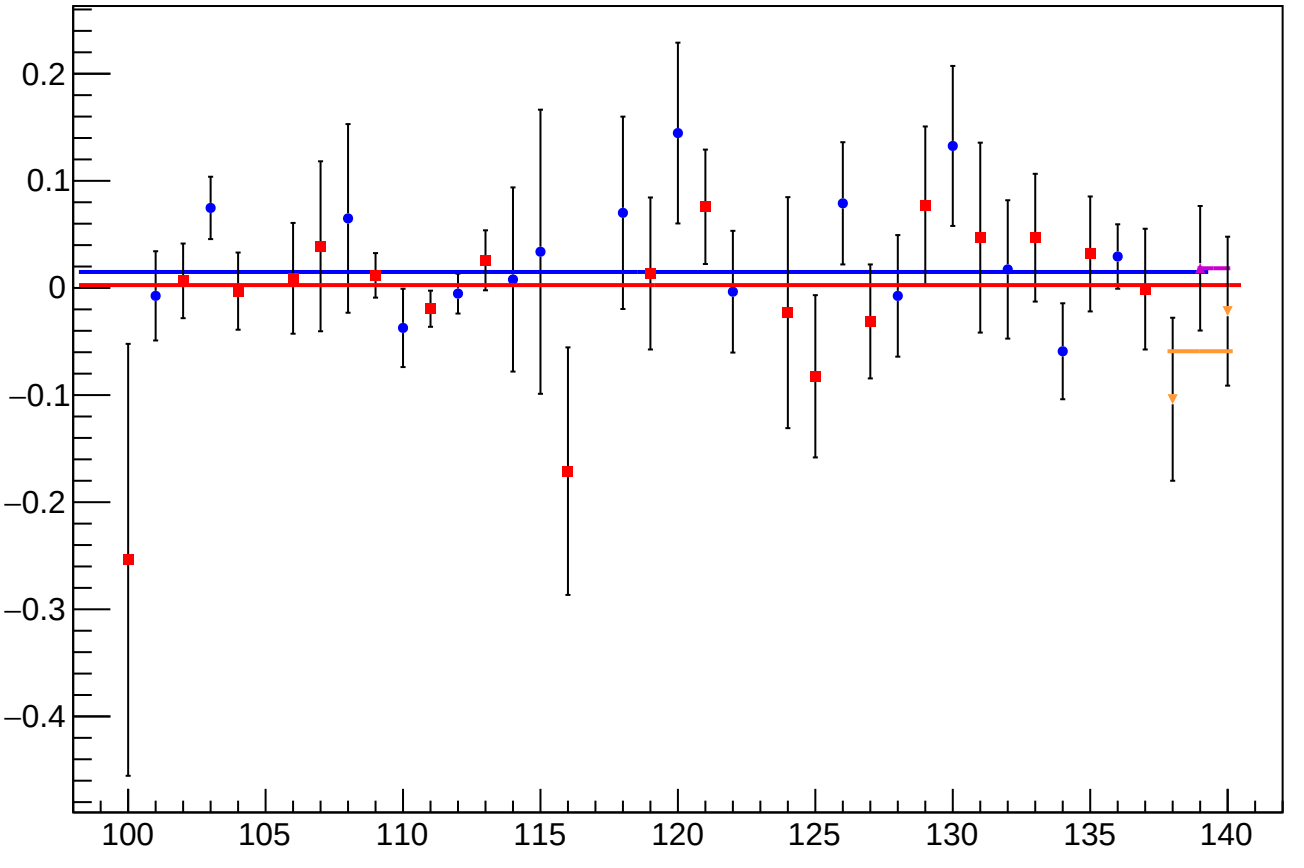
Left: 0.000+/-0.000 χ^2/NDF: 41724.7/2

Right: 0.000+/-0.000 χ^2/NDF: 2980076.4/34

In: 0.000+/-0.000 χ^2/NDF:1184449.3/16

Out: 0.000+/-0.000 χ^2/NDF:1826321.2/20

All: 0.000+/-0.000 χ^2/NDF: 3149506.9/37



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.059+/-0.051 χ^2/NDF:0.6/1

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.018+/-0.058 χ^2/NDF:0.0/0

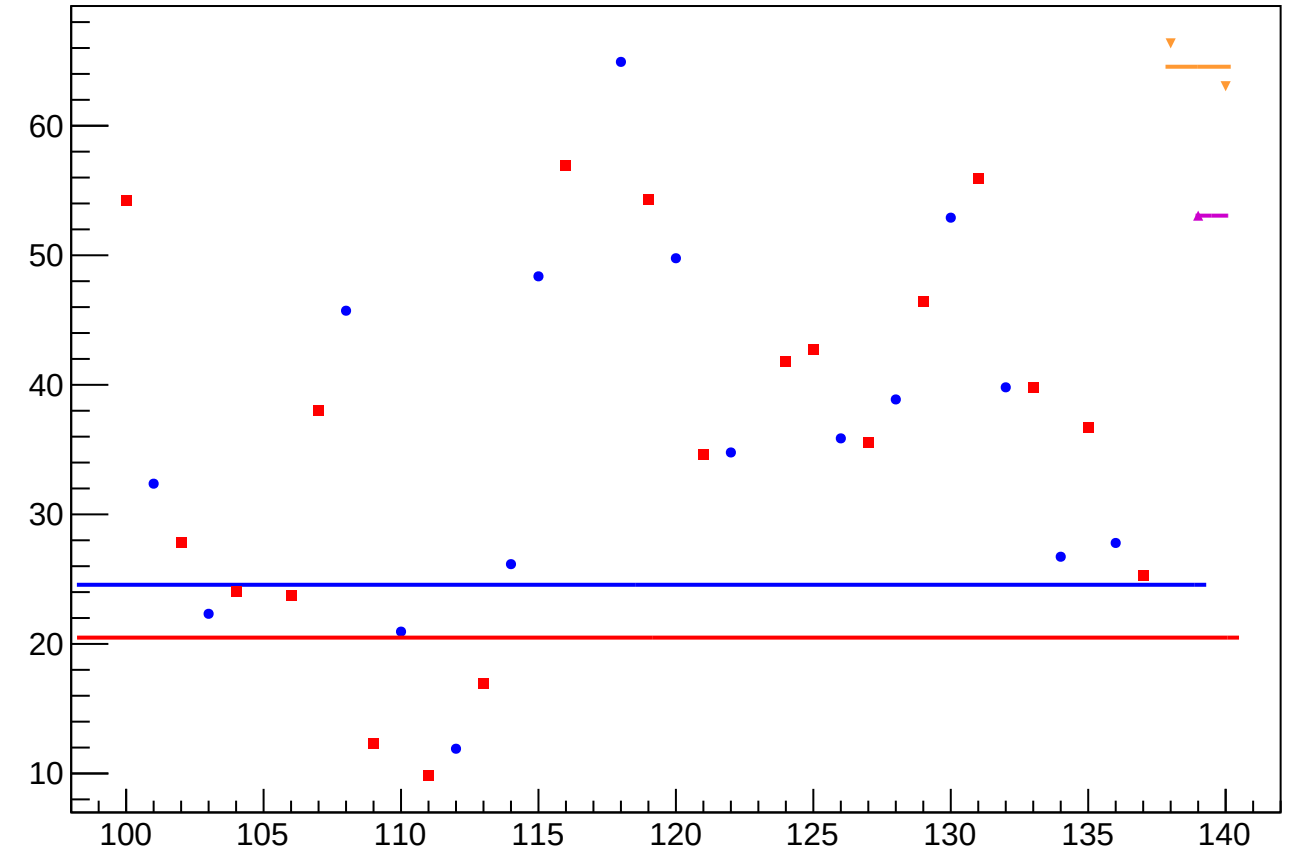
Left: -0.025+/-0.038 χ^2/NDF: 1.6/2

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.010 χ^2/NDF:17.8/16

Out: 0.001+/-0.009 χ^2/NDF:14.5/20

All: 0.007+/-0.007 χ^2/NDF: 33.3/37



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 64.555+/-0.036 χ^2/NDF:2061.1/1

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.060+/-0.041 χ^2/NDF:0.0/0

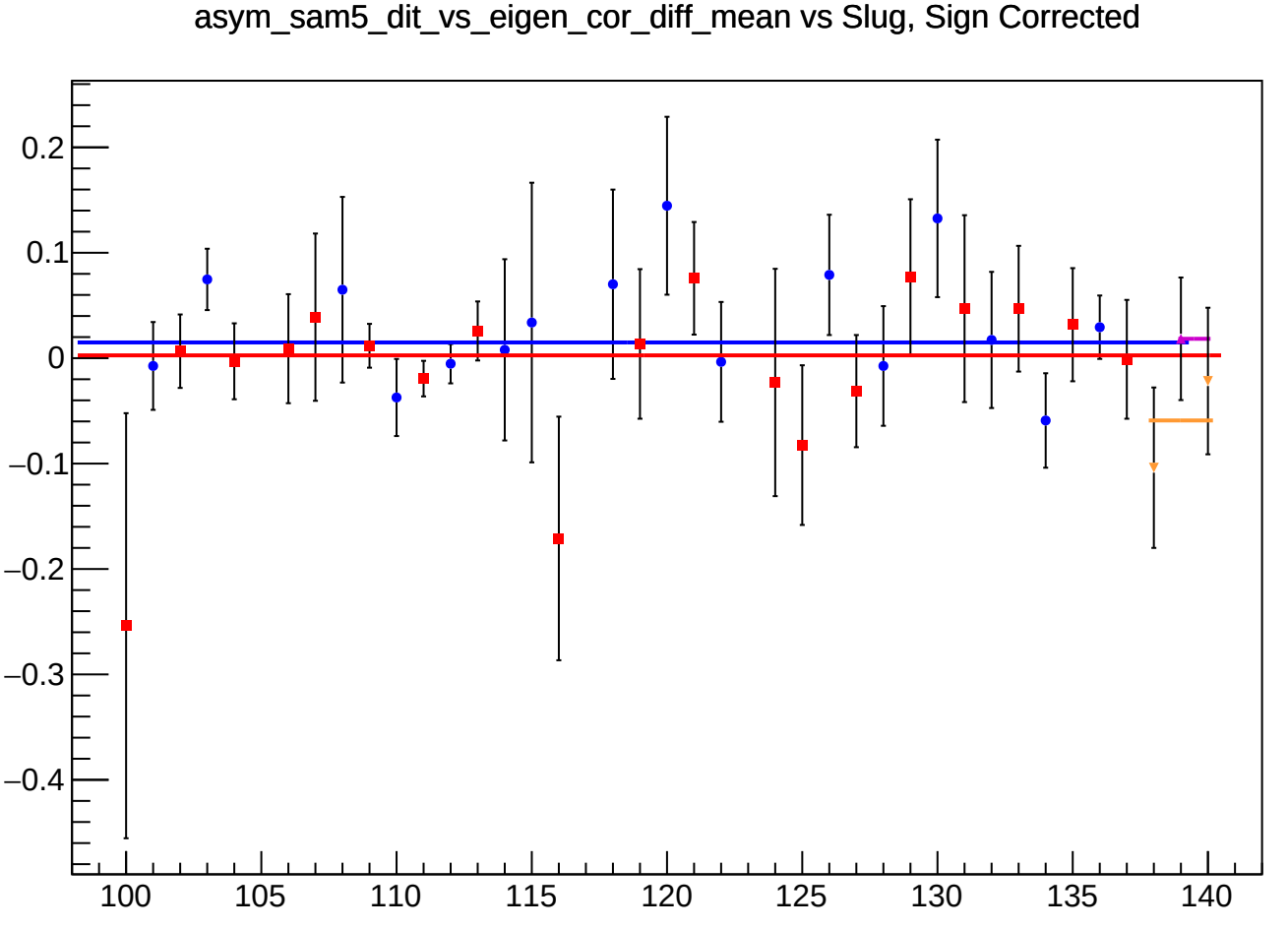
Left: 59.520+/-0.027 χ^2/NDF: 45998.6/2

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 25.481+/-0.007 χ^2/NDF:2949470.5/16

Out: 21.867+/-0.006 χ^2/NDF:5014224.5/20

All: 23.427+/-0.005 χ^2/NDF: 8100451.2/37



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.059+/-0.051 χ^2/NDF:0.6/1

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.018+/-0.058 χ^2/NDF:0.0/0

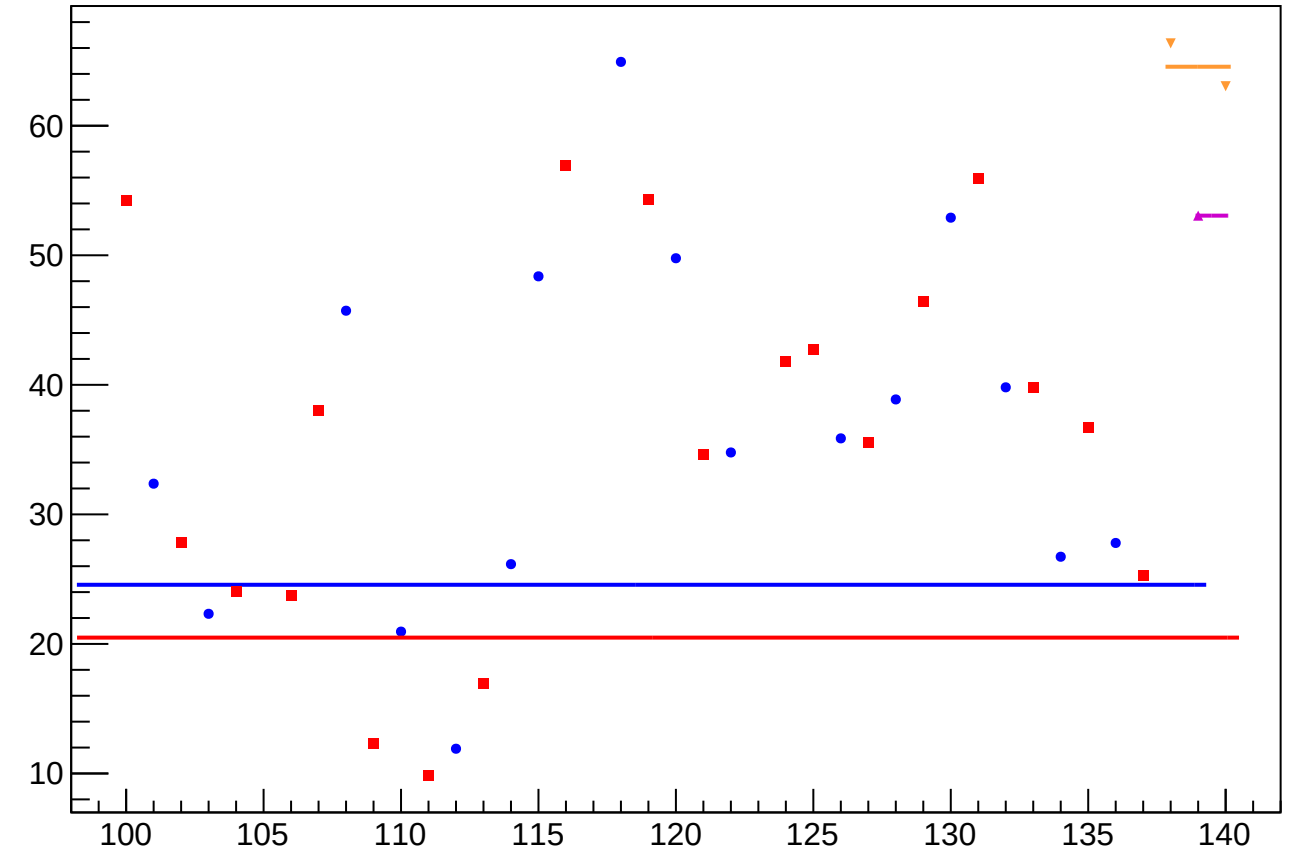
Left: -0.025+/-0.038 χ^2/NDF: 1.6/2

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.010 χ^2/NDF:17.8/16

Out: 0.001+/-0.009 χ^2/NDF:14.5/20

All: 0.007+/-0.007 χ^2/NDF: 33.3/37



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 64.555+/-0.036 χ^2/NDF:2061.1/1

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.060+/-0.041 χ^2/NDF:0.0/0

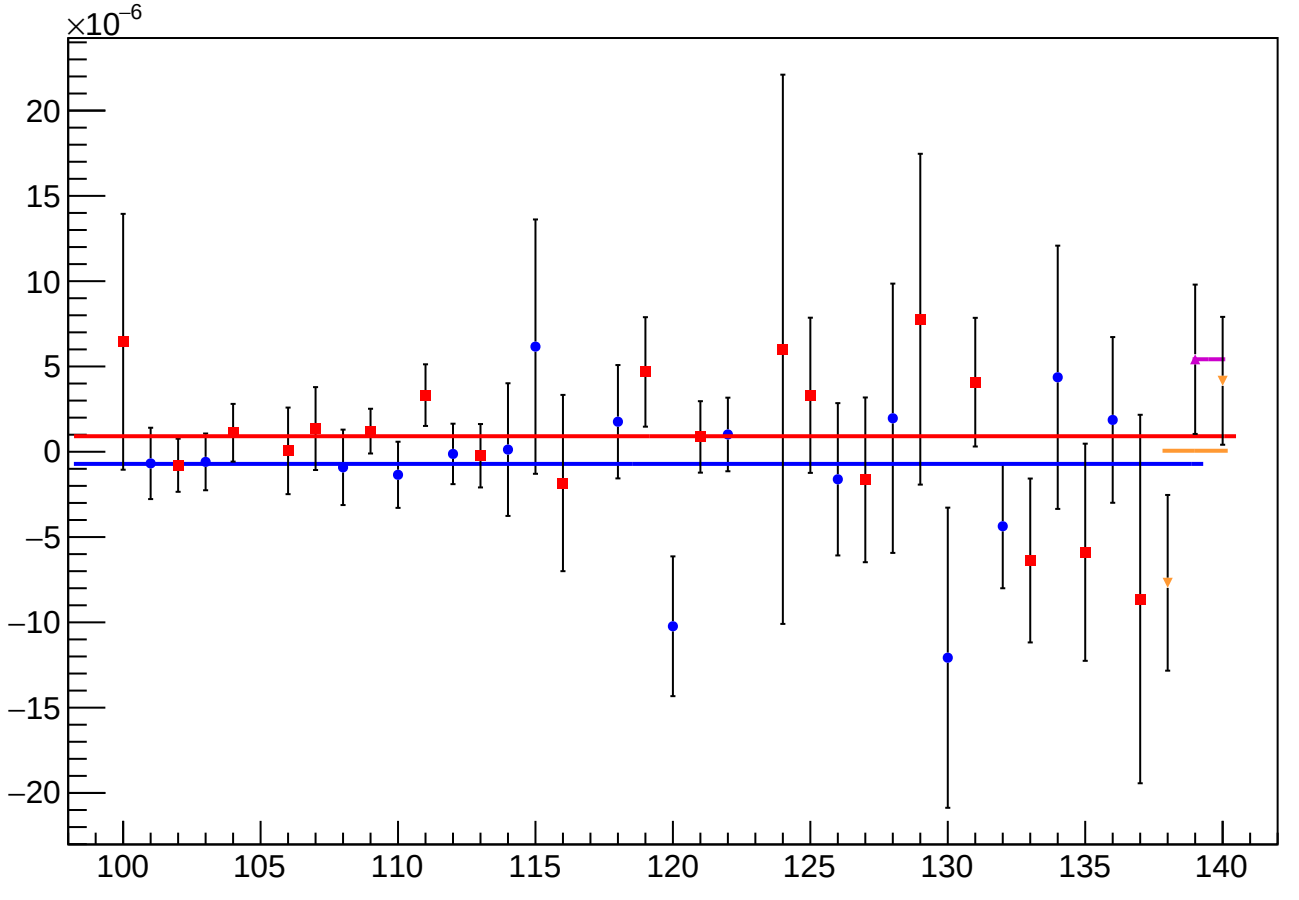
Left: 59.520+/-0.027 χ^2/NDF: 45998.6/2

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 25.481+/-0.007 χ^2/NDF:2949470.5/16

Out: 21.867+/-0.006 χ^2/NDF:5014224.5/20

All: 23.427+/-0.005 χ^2/NDF: 8100451.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

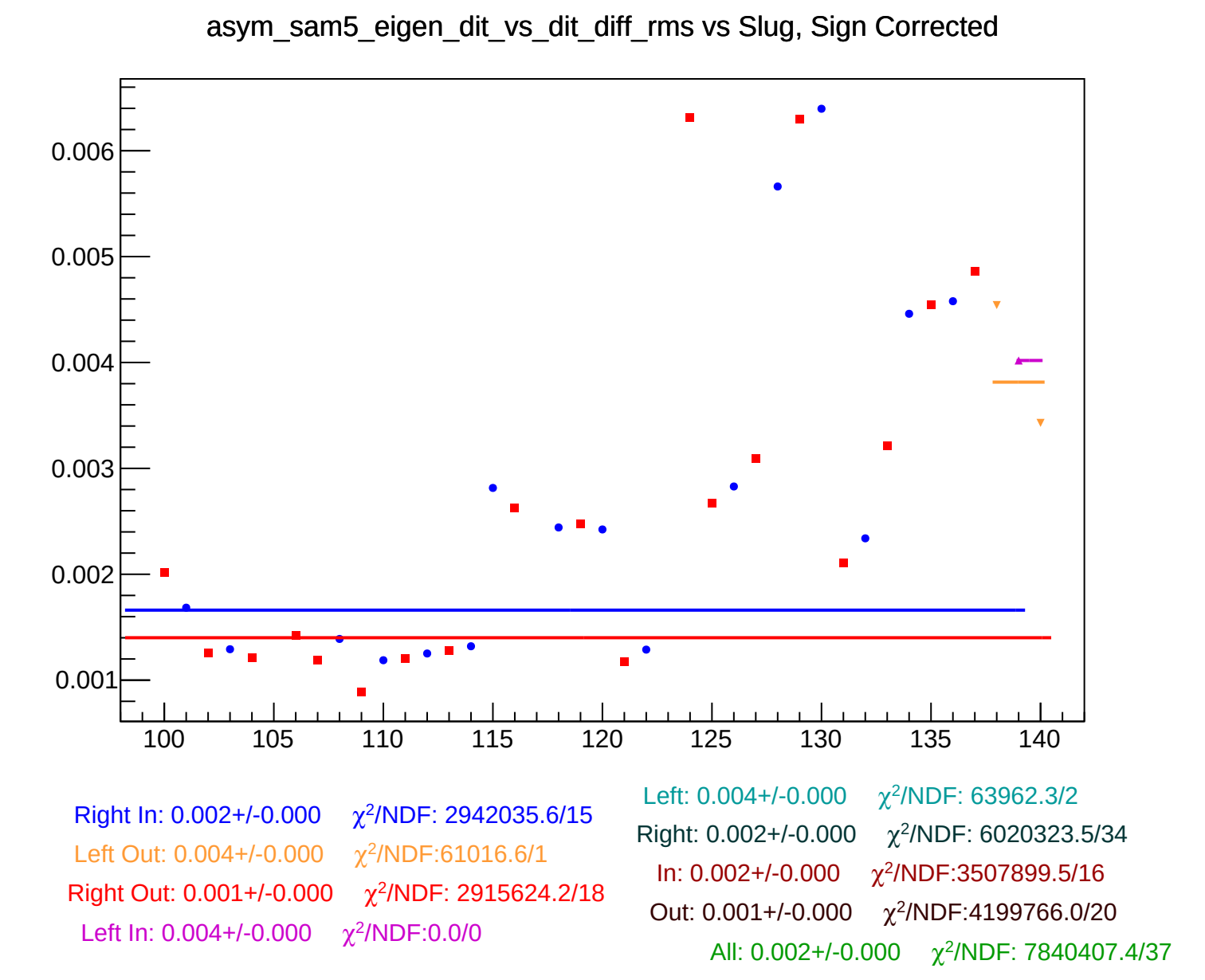
Left: 0.000+/-0.000 χ^2/NDF: 4.5/2

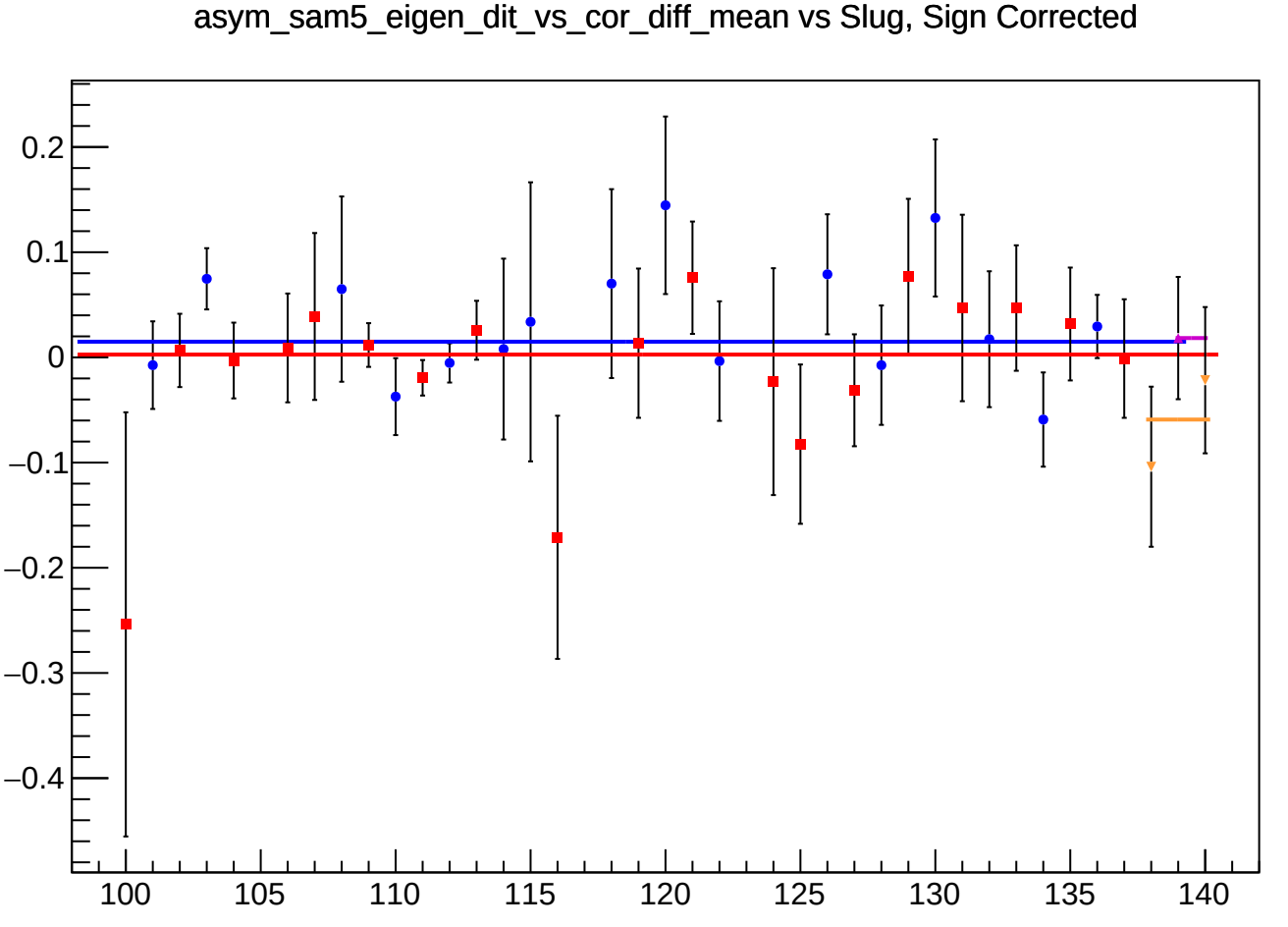
Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:13.2/16

Out: 0.000+/-0.000 χ^2/NDF:15.4/20

All: 0.000+/-0.000 χ^2/NDF: 31.1/37


asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.006
0.005
0.004
0.003
0.002
0.001
100
105
110
115
120
125
130
135
140
Right In: 0.002+/-0.000 χ²/NDF: 2942035.6/15
Left Out: 0.004+/-0.000 χ²/NDF:61016.6/1
Right Out: 0.001+/-0.000 χ²/NDF: 2915624.2/18
Left In: 0.004+/-0.000 χ²/NDF:0.0/0
Left: 0.004+/-0.000 χ²/NDF: 63962.3/2
Right: 0.002+/-0.000 χ²/NDF: 6020323.5/34
In: 0.002+/-0.000 χ²/NDF:3507899.5/16
Out: 0.001+/-0.000 χ²/NDF:4199766.0/20
All: 0.002+/-0.000 χ²/NDF: 7840407.4/37



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.059+/-0.051 χ^2/NDF:0.6/1

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.018+/-0.058 χ^2/NDF:0.0/0

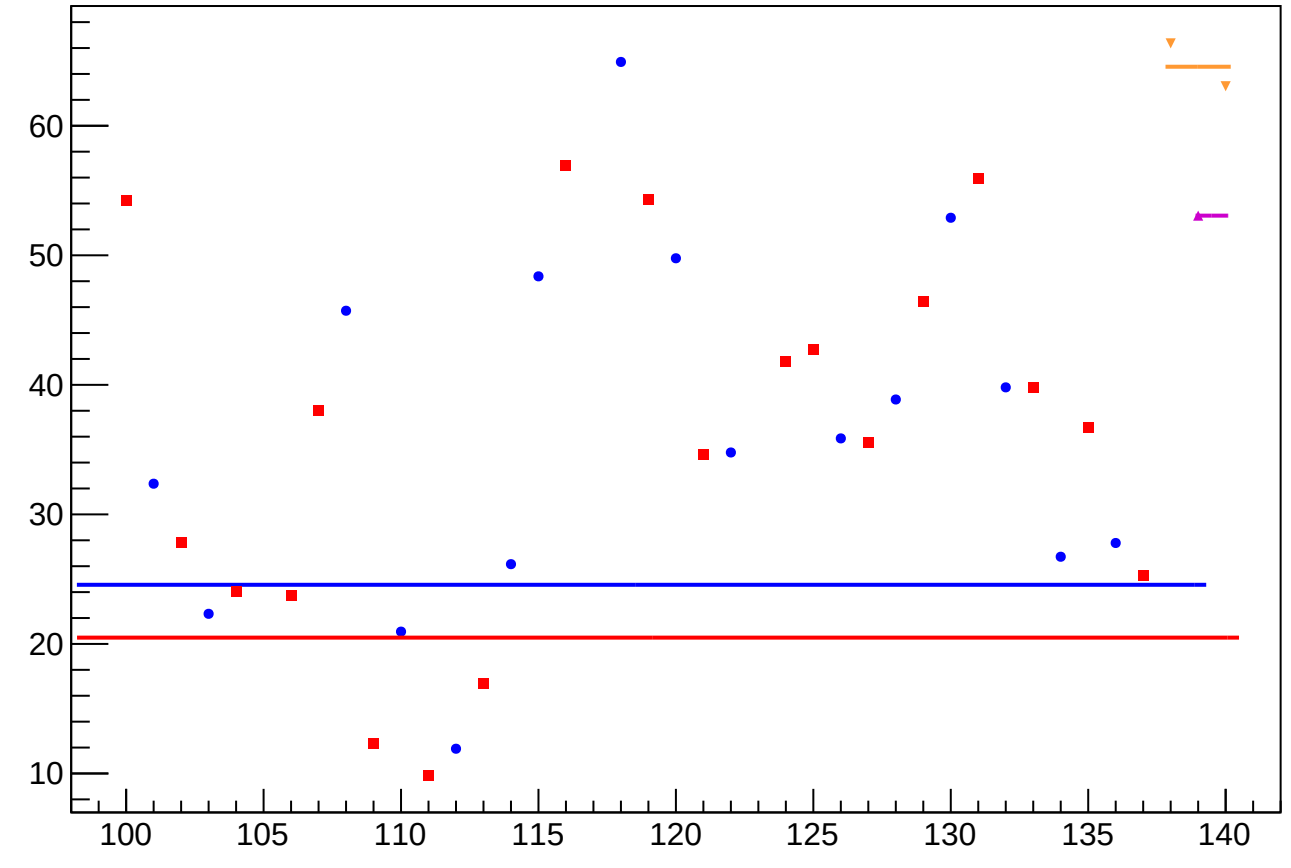
Left: -0.025+/-0.038 χ^2/NDF: 1.6/2

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.010 χ^2/NDF:17.8/16

Out: 0.001+/-0.009 χ^2/NDF:14.5/20

All: 0.007+/-0.007 χ^2/NDF: 33.3/37



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 64.557+/-0.036 χ^2/NDF:2061.6/1

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.062+/-0.041 χ^2/NDF:0.0/0

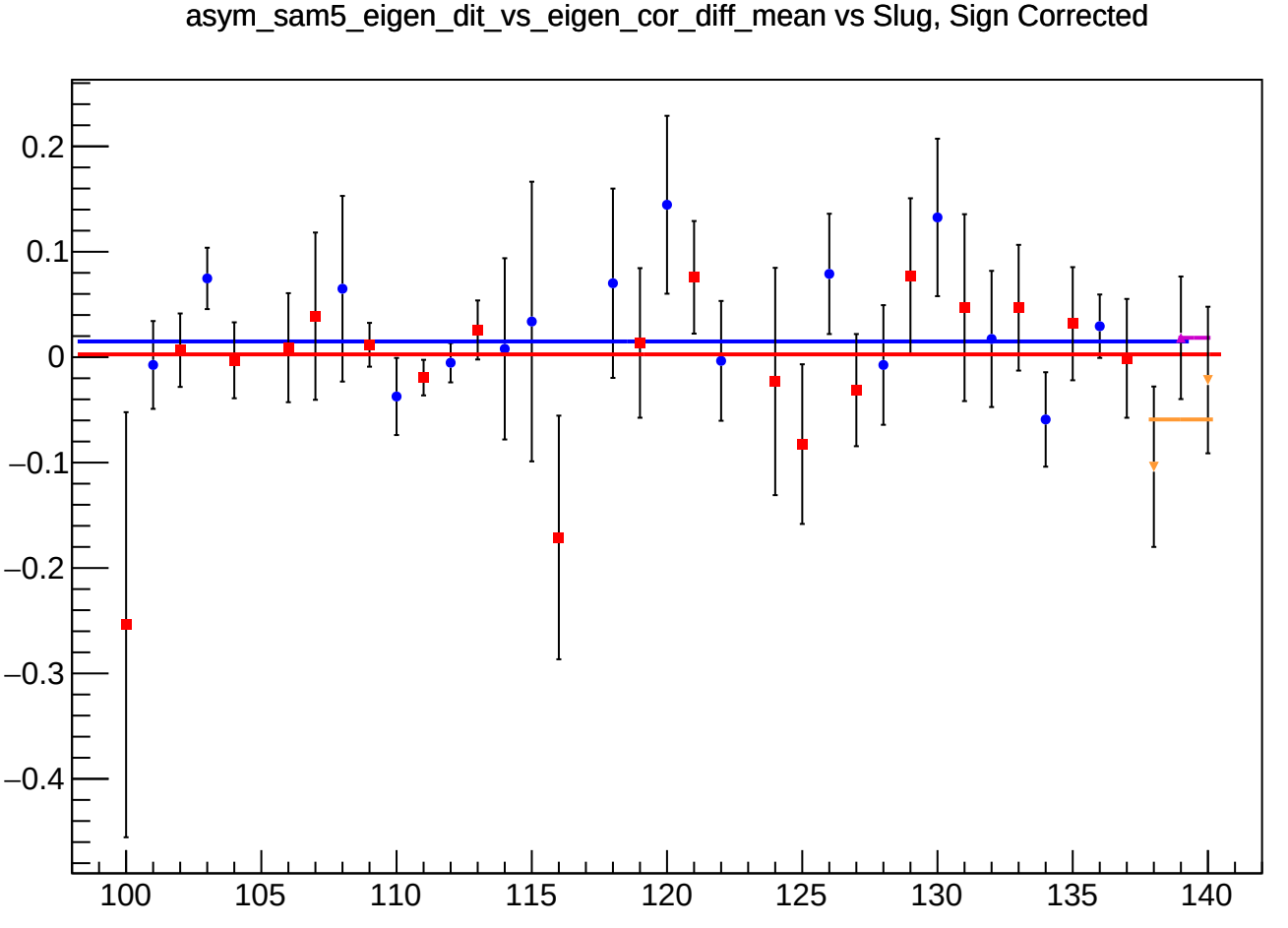
Left: 59.523+/-0.027 χ^2/NDF: 45997.1/2

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 25.480+/-0.007 χ^2/NDF:2949426.1/16

Out: 21.867+/-0.006 χ^2/NDF:5014266.5/20

All: 23.427+/-0.005 χ^2/NDF: 8100459.2/37



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.059+/-0.051 χ^2/NDF:0.6/1

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.018+/-0.058 χ^2/NDF:0.0/0

Left: -0.025+/-0.038 χ^2/NDF: 1.6/2

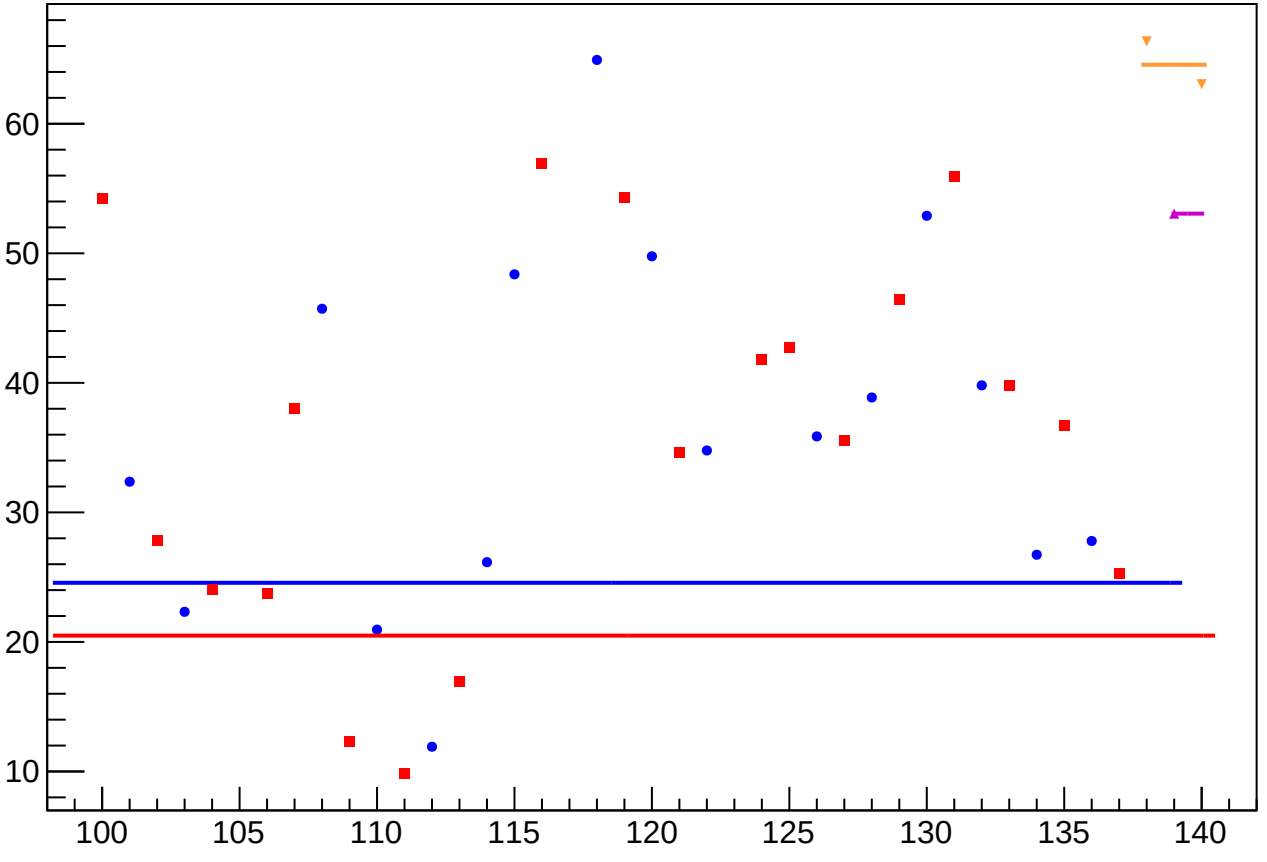
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.010 χ^2/NDF:17.8/16

Out: 0.001+/-0.009 χ^2/NDF:14.5/20

All: 0.007+/-0.007 χ^2/NDF: 33.3/37

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 64.557+/-0.036 χ^2/NDF:2061.6/1

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.062+/-0.041 χ^2/NDF:0.0/0

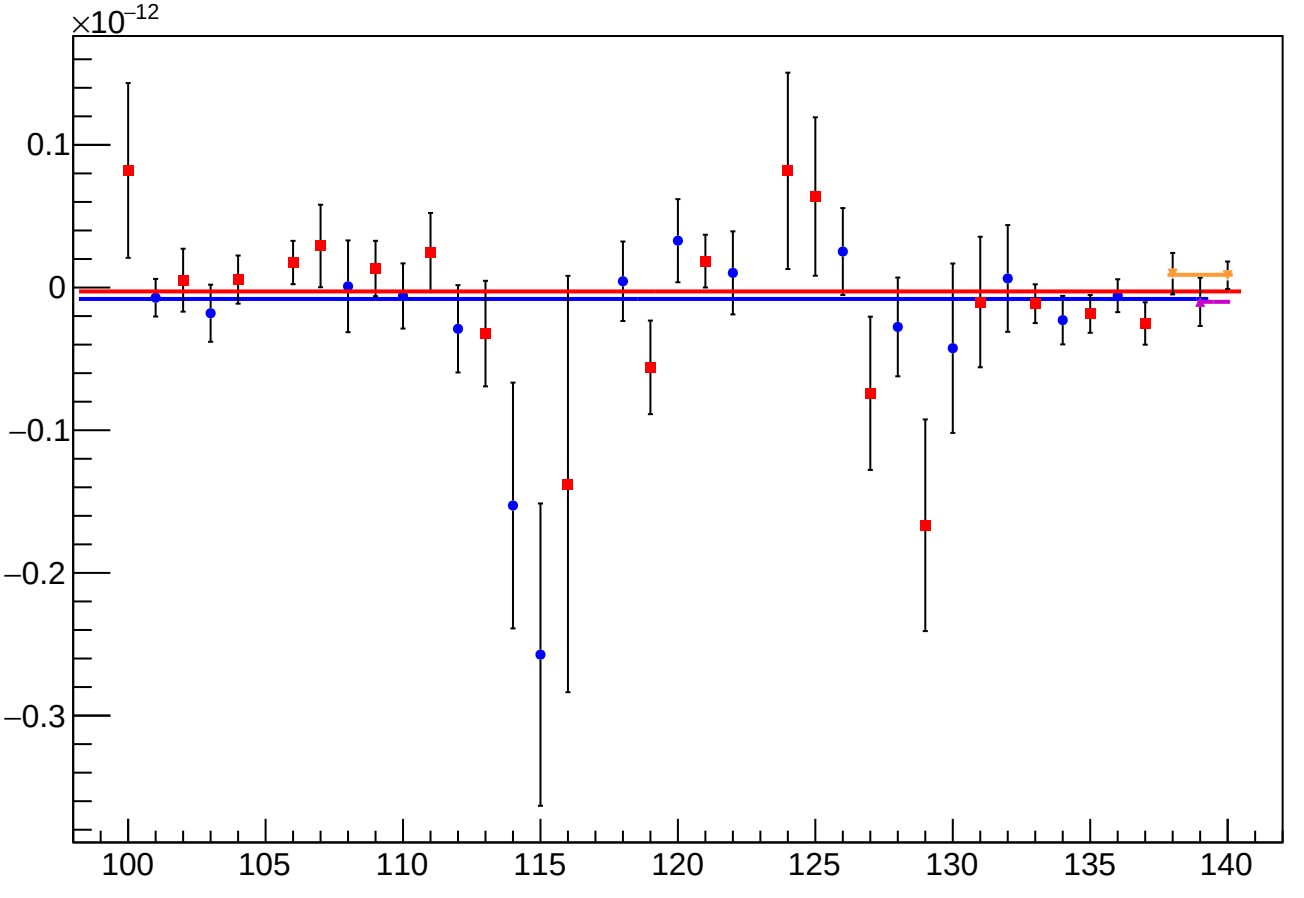
Left: 59.523+/-0.027 χ^2/NDF: 45997.1/2

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 25.480+/-0.007 χ^2/NDF:2949426.1/16

Out: 21.867+/-0.006 χ^2/NDF:5014266.5/20

All: 23.427+/-0.005 χ^2/NDF: 8100459.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

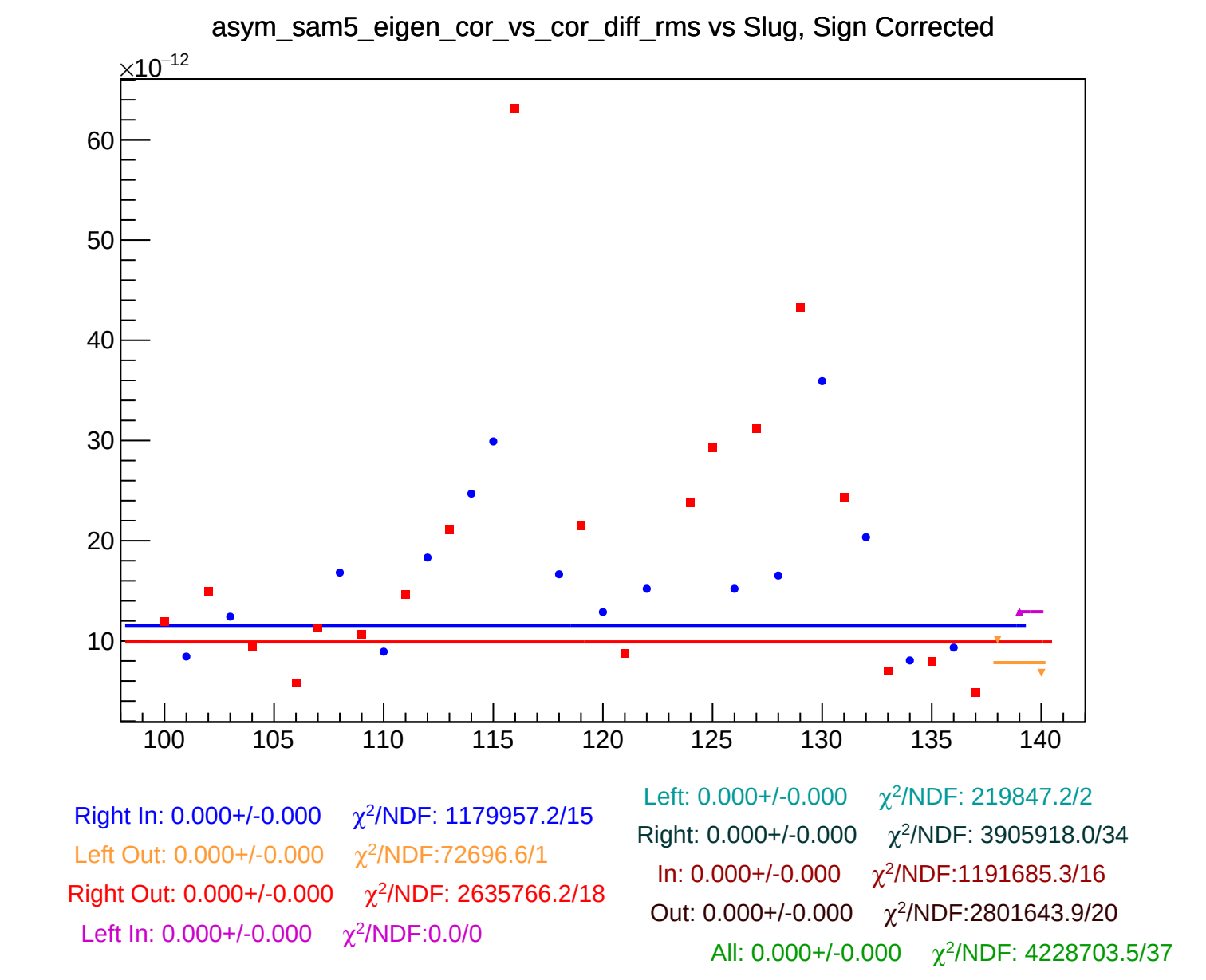
Left: 0.000+/-0.000 χ^2/NDF: 1.0/2

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

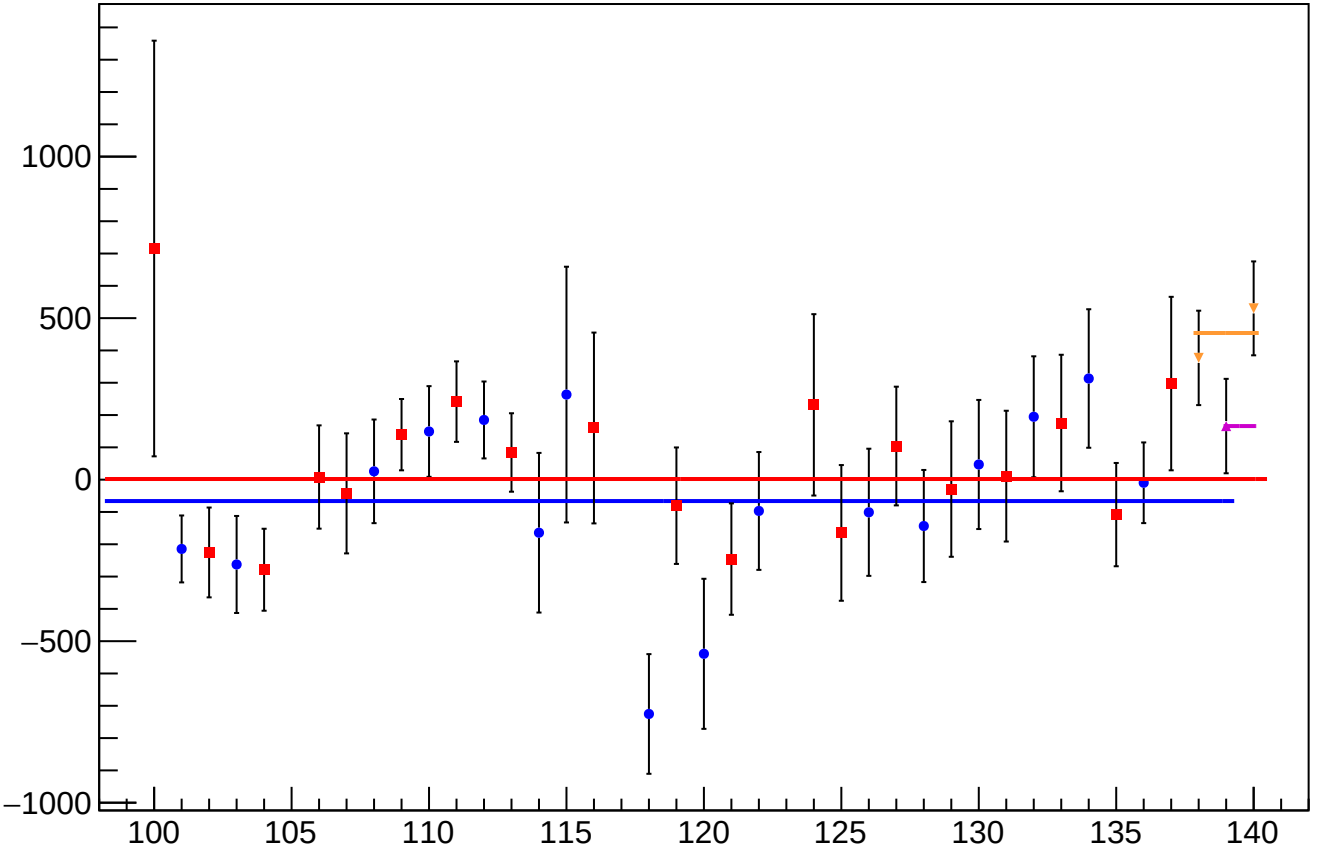
In: -0.000+/-0.000 χ^2/NDF:14.5/16

Out: 0.000+/-0.000 χ^2/NDF:27.6/20

All: -0.000+/-0.000 χ^2/NDF: 43.7/37


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:72696.6/1
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 219847.2/2
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1191685.3/16
Out: 0.000+/-0.000 χ²/NDF:2801643.9/20
All: 0.000+/-0.000 χ²/NDF: 4228703.5/37

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 454.004+/-103.057 χ^2/NDF:0.6/1

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 165.916+/-146.159 χ^2/NDF:0.0/0

Left: 358.338+/-84.225 χ^2/NDF: 3.1/2

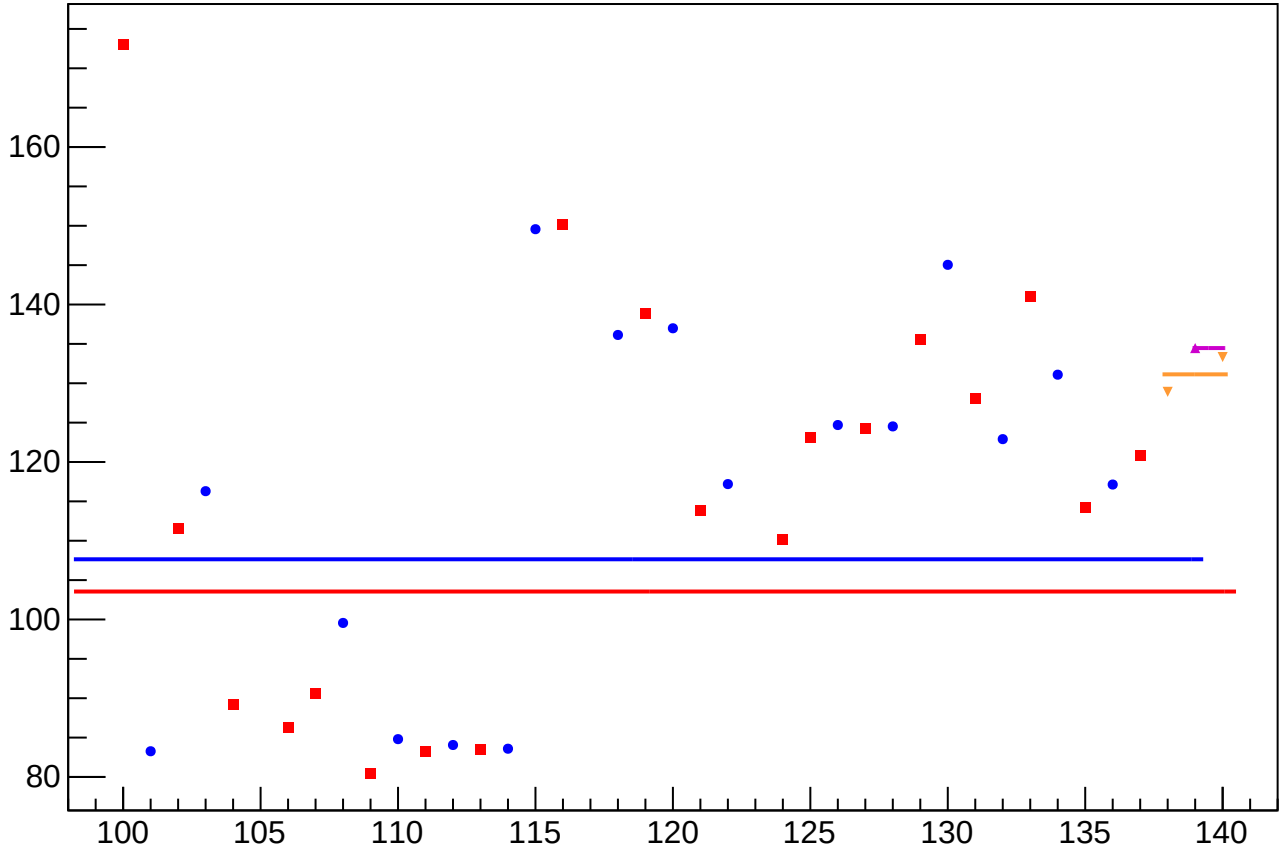
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: -49.343+/-39.420 χ^2/NDF:36.7/16

Out: 58.298+/-36.366 χ^2/NDF:38.5/20

All: 8.808+/-26.729 χ^2/NDF: 79.3/37

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 131.131+/-0.073 χ^2/NDF:919.8/1

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 134.470+/-0.103 χ^2/NDF:0.0/0

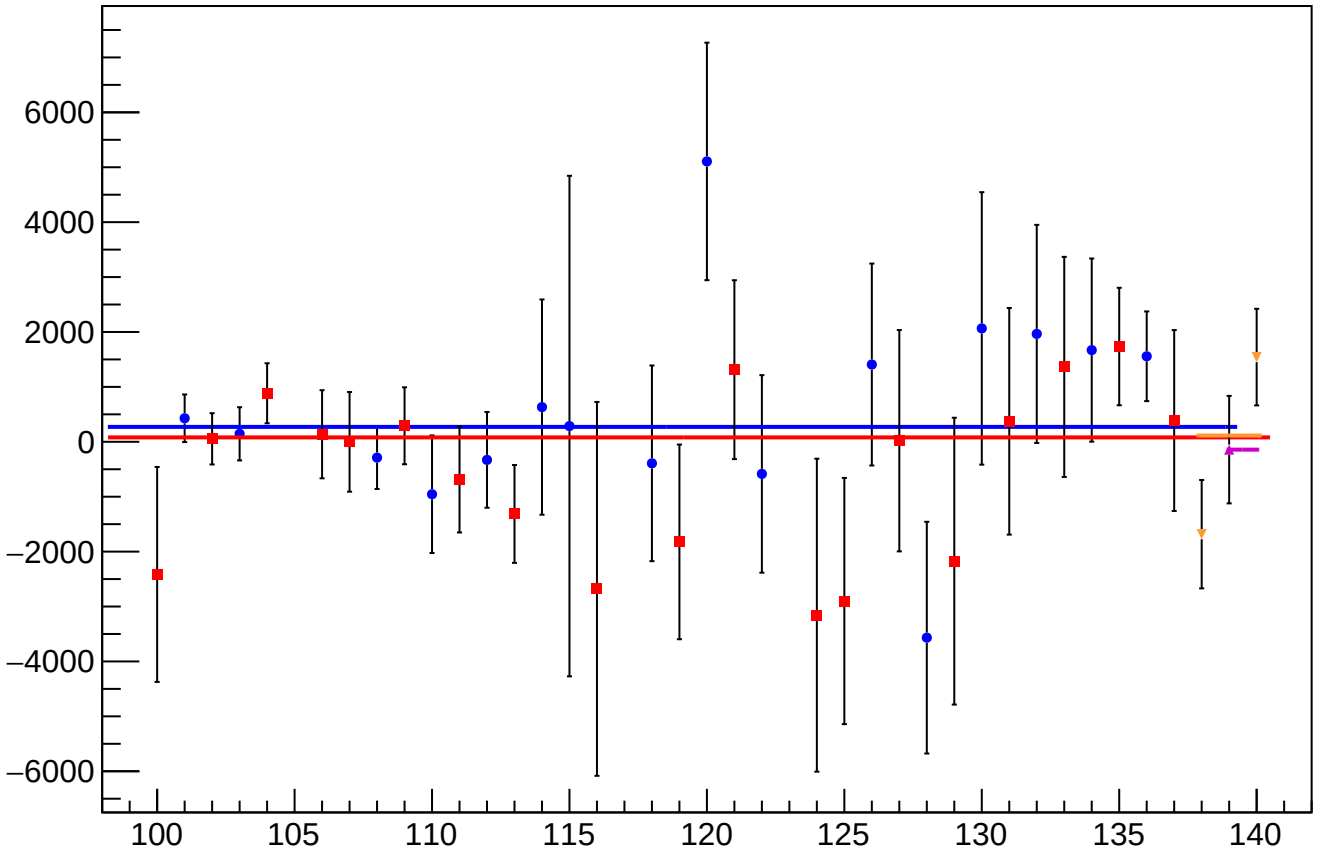
Left: 132.240+/-0.060 χ^2/NDF: 1616.7/2

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 109.595+/-0.028 χ^2/NDF:595293.7/16

Out: 106.984+/-0.026 χ^2/NDF:743684.5/20

All: 108.185+/-0.019 χ^2/NDF: 1343719.2/37



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 114.433+/-656.748 χ^2/NDF:5.9/1

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: -142.834+/-978.517 χ^2/NDF:0.0/0

Left: 34.535+/-545.312 χ^2/NDF: 6.0/2

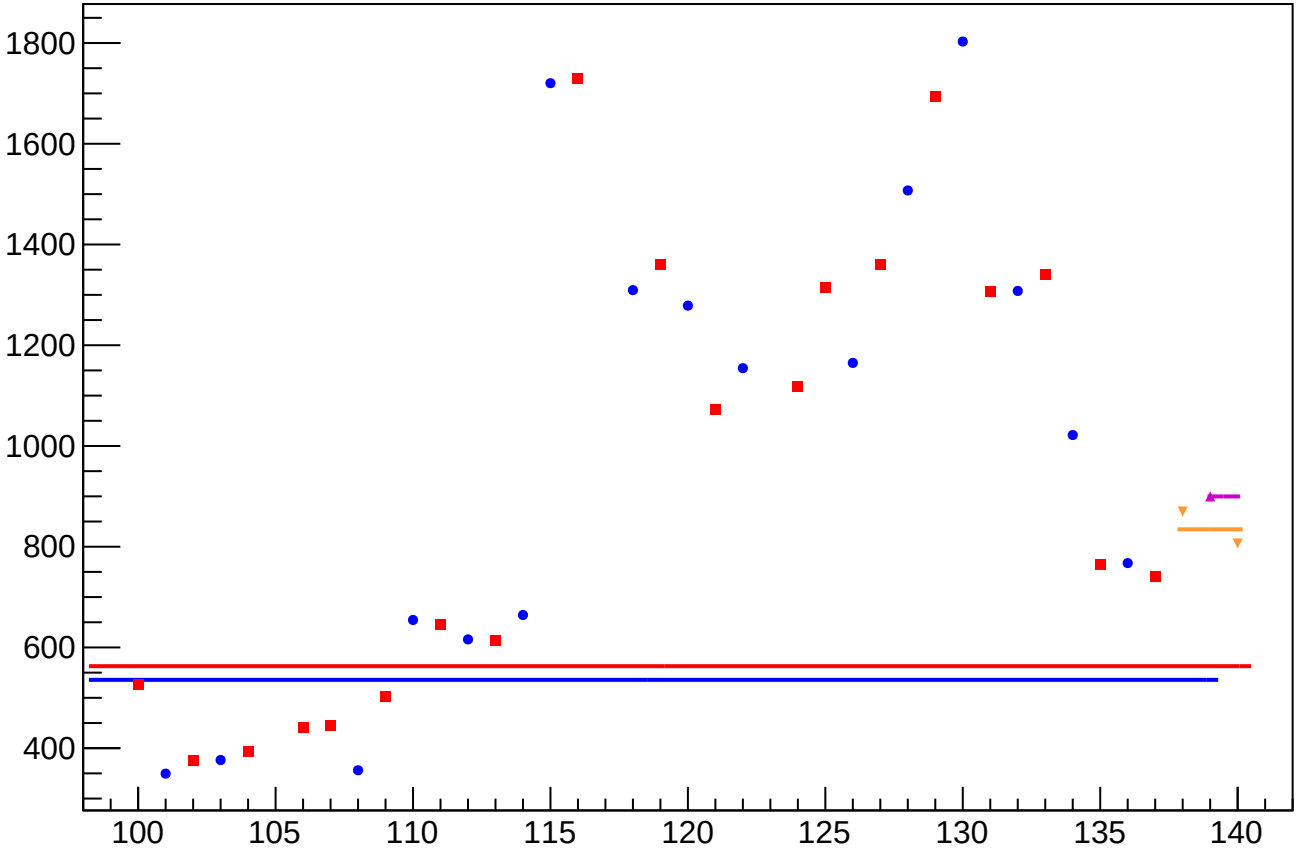
Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 249.693+/-224.509 χ^2/NDF:16.6/16

Out: 83.908+/-218.882 χ^2/NDF:22.0/20

All: 164.697+/-156.724 χ^2/NDF: 38.9/37

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 834.530+/-0.464 χ^2/NDF:4586.5/1

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 899.800+/-0.692 χ^2/NDF:0.0/0

Left: 854.801+/-0.386 χ^2/NDF: 10721.3/2

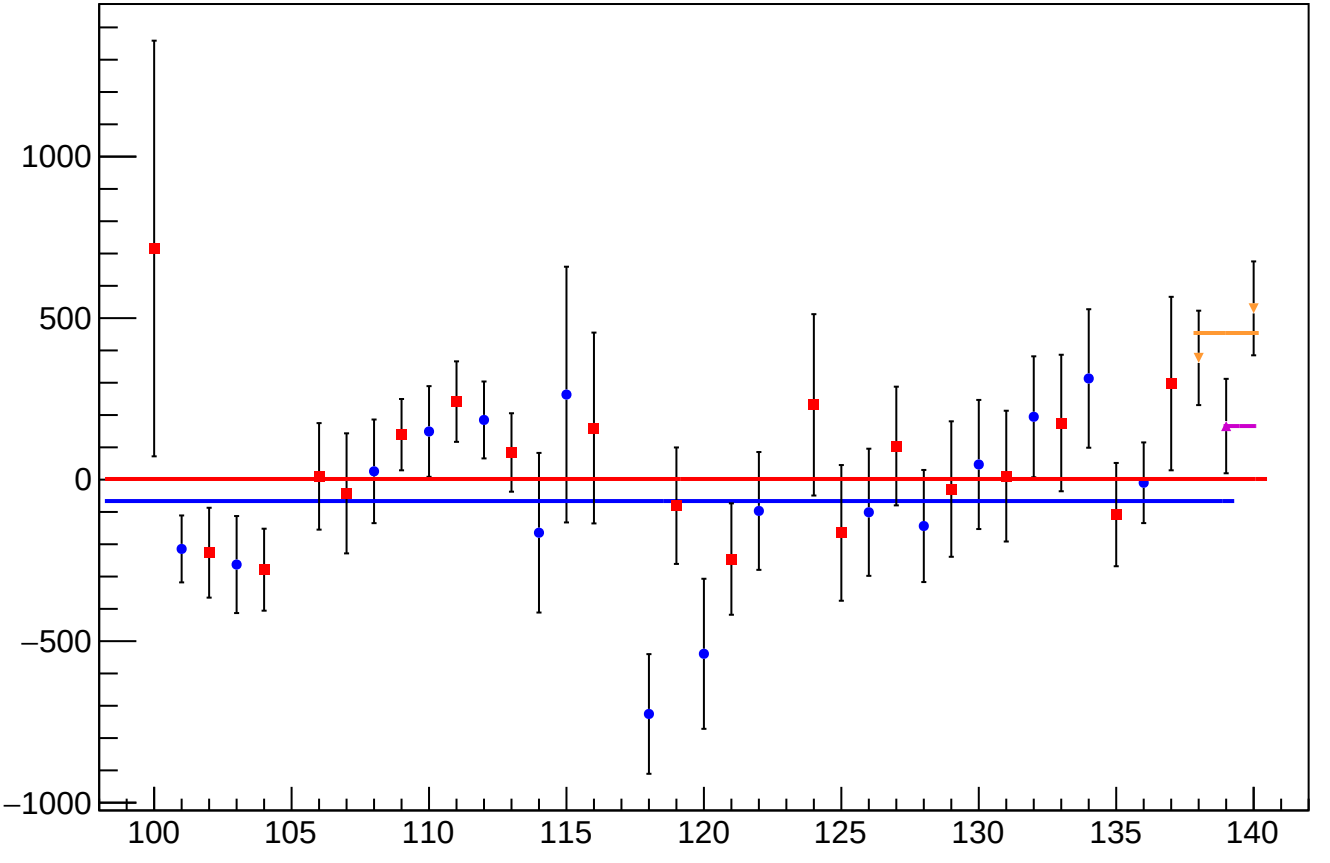
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 554.851+/-0.159 χ^2/NDF:3894744.5/16

Out: 593.022+/-0.155 χ^2/NDF:3419867.8/20

All: 574.421+/-0.111 χ^2/NDF: 7344253.6/37

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 453.998+/-103.057 χ^2/NDF:0.6/1

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 165.910+/-146.159 χ^2/NDF:0.0/0

Left: 358.332+/-84.225 χ^2/NDF: 3.1/2

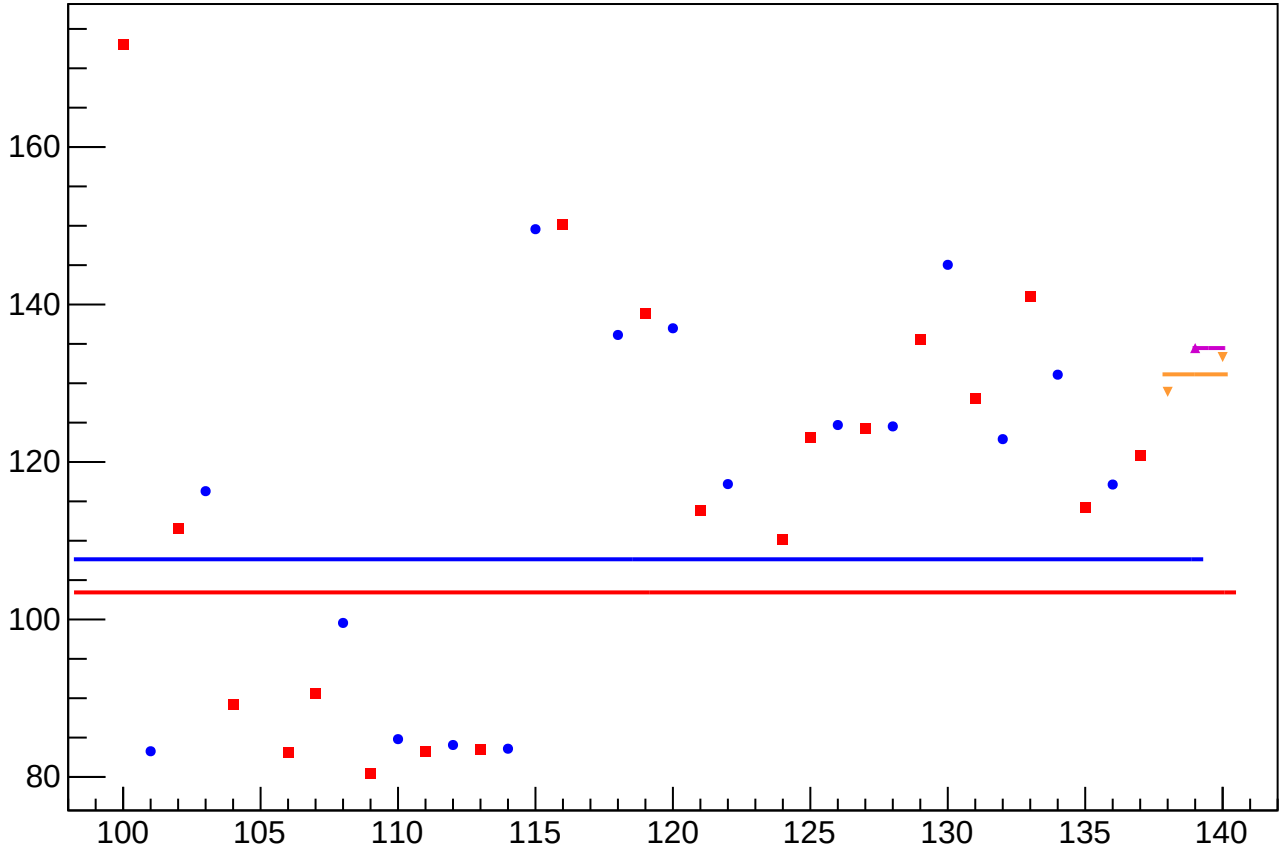
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: -49.368+/-39.420 χ^2/NDF:36.7/16

Out: 58.515+/-36.424 χ^2/NDF:38.5/20

All: 8.829+/-26.752 χ^2/NDF: 79.3/37

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 131.131+/-0.073 χ^2/NDF:919.8/1

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 134.470+/-0.103 χ^2/NDF:0.0/0

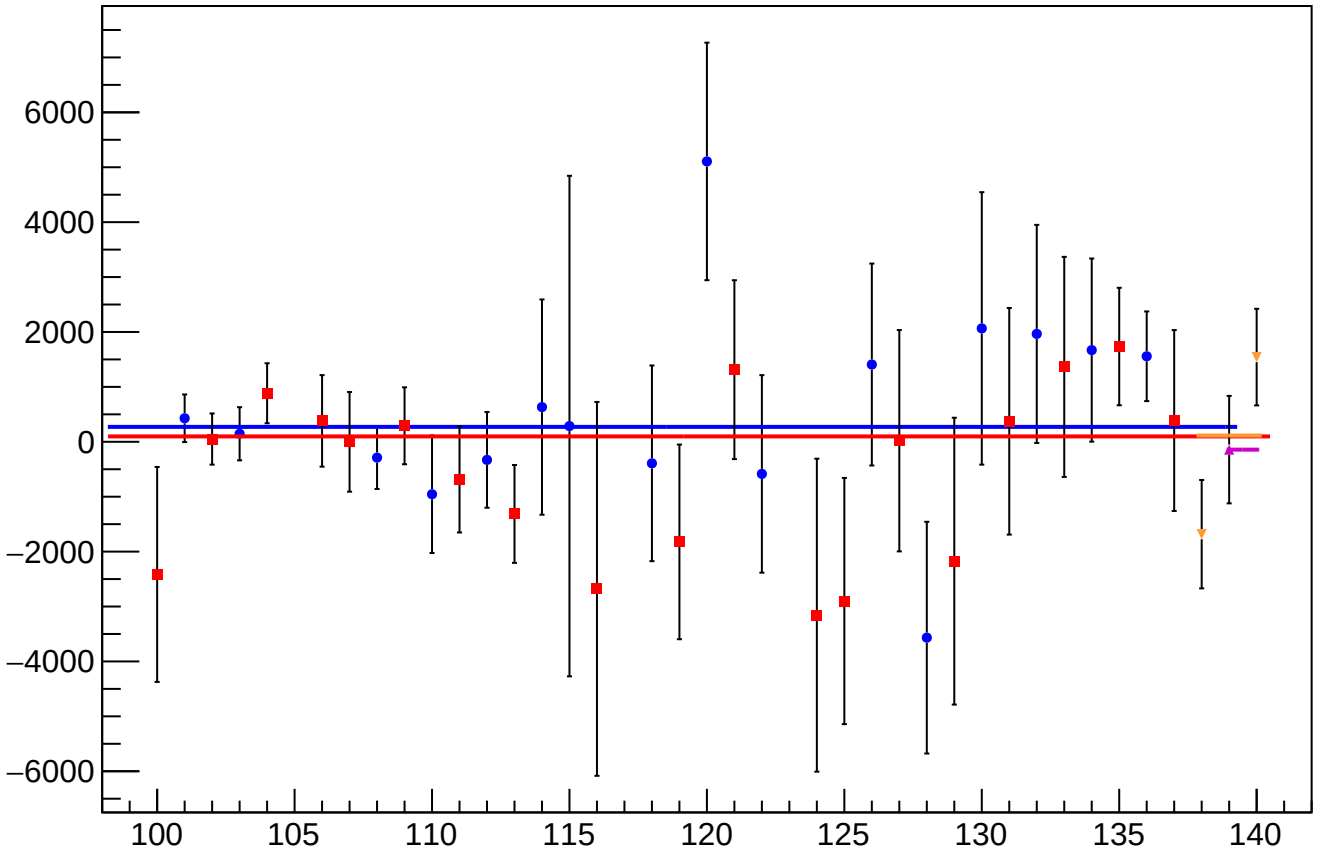
Left: 132.240+/-0.060 χ^2/NDF: 1616.7/2

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 109.595+/-0.028 χ^2/NDF:595294.6/16

Out: 106.897+/-0.026 χ^2/NDF:752053.9/20

All: 108.140+/-0.019 χ^2/NDF: 1352404.2/37



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 114.458+/-656.748 χ^2/NDF:5.9/1

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -142.838+/-978.518 χ^2/NDF:0.0/0

Left: 34.551+/-545.312 χ^2/NDF: 6.0/2

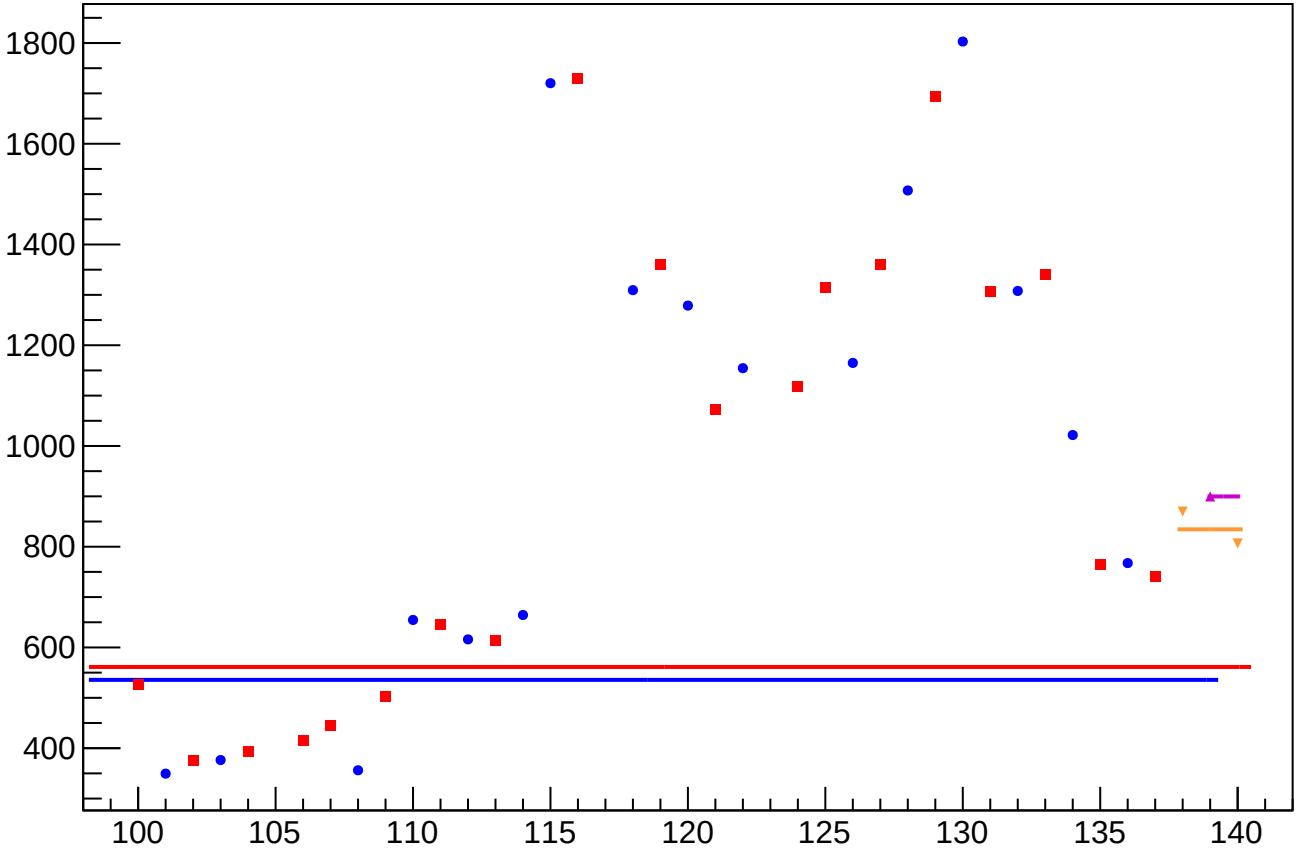
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 249.827+/-224.503 χ^2/NDF:16.6/16

Out: 99.701+/-219.407 χ^2/NDF:22.1/20

All: 173.041+/-156.915 χ^2/NDF: 39.0/37

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 834.530+/-0.464 χ^2/NDF:4586.8/1

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 899.800+/-0.692 χ^2/NDF:0.0/0

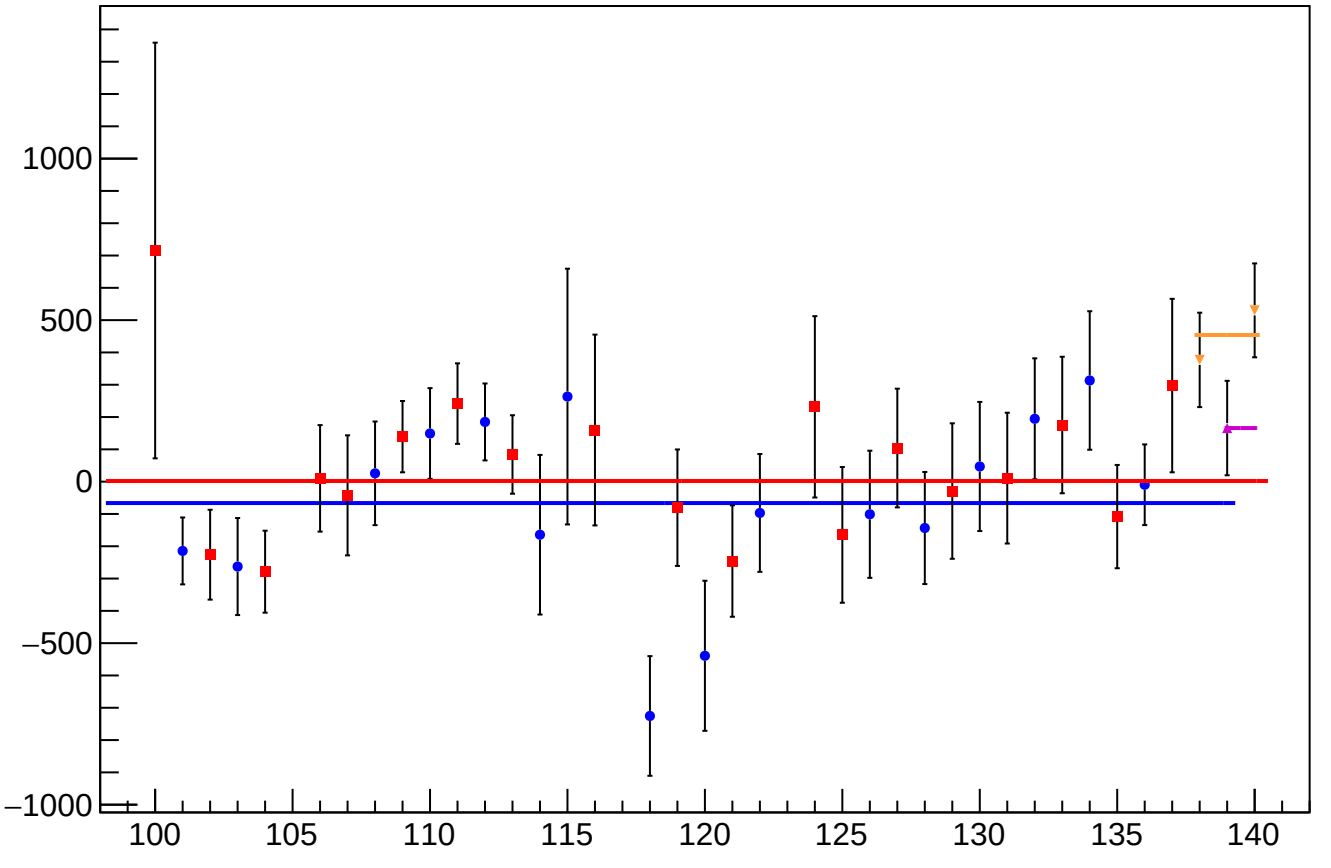
Left: 854.801+/-0.386 χ^2/NDF: 10721.7/2

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 554.829+/-0.159 χ^2/NDF:3894977.7/16

Out: 591.768+/-0.155 χ^2/NDF:3442950.9/20

All: 573.723+/-0.111 χ^2/NDF: 7365622.2/37



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 453.998+/-103.057 χ^2/NDF:0.6/1

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 165.910+/-146.159 χ^2/NDF:0.0/0

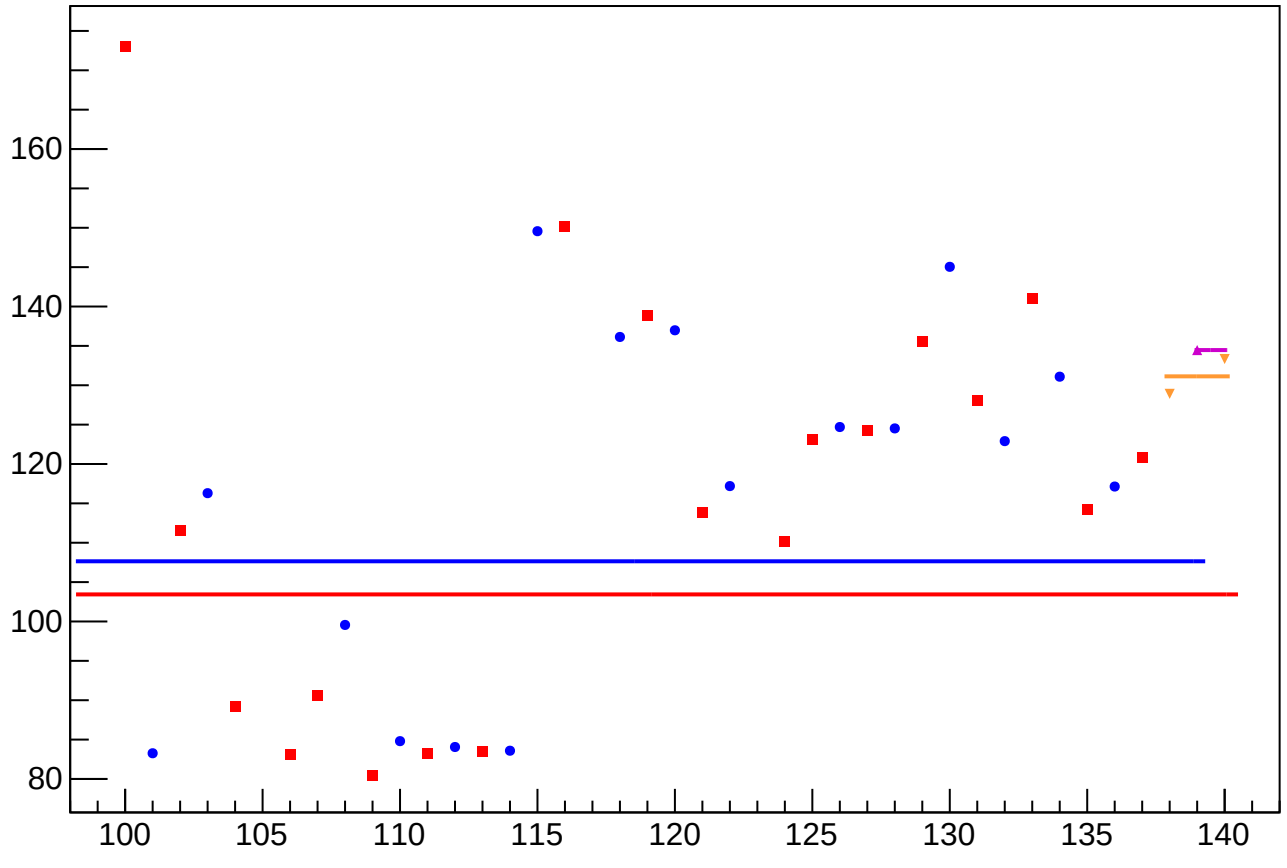
Left: 358.332+/-84.225 χ^2/NDF: 3.1/2

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: -49.368+/-39.420 χ^2/NDF:36.7/16

Out: 58.515+/-36.424 χ^2/NDF:38.5/20

All: 8.829+/-26.752 χ^2/NDF: 79.3/37



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 131.131+/-0.073 χ^2/NDF:919.8/1

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 134.470+/-0.103 χ^2/NDF:0.0/0

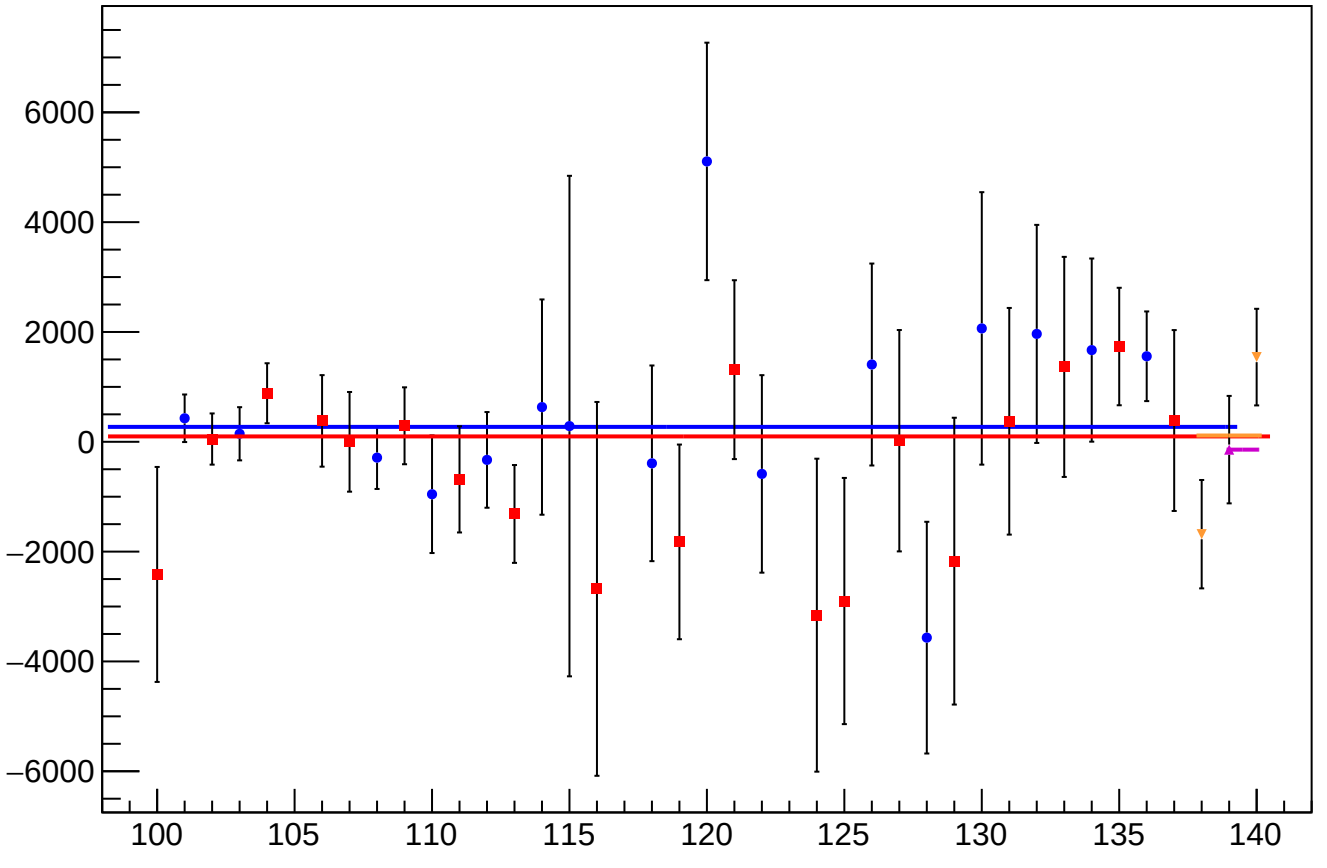
Left: 132.240+/-0.060 χ^2/NDF: 1616.7/2

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 109.595+/-0.028 χ^2/NDF:595294.6/16

Out: 106.897+/-0.026 χ^2/NDF:752053.9/20

All: 108.140+/-0.019 χ^2/NDF: 1352404.2/37



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 114.458+/-656.748 χ^2/NDF:5.9/1

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -142.838+/-978.518 χ^2/NDF:0.0/0

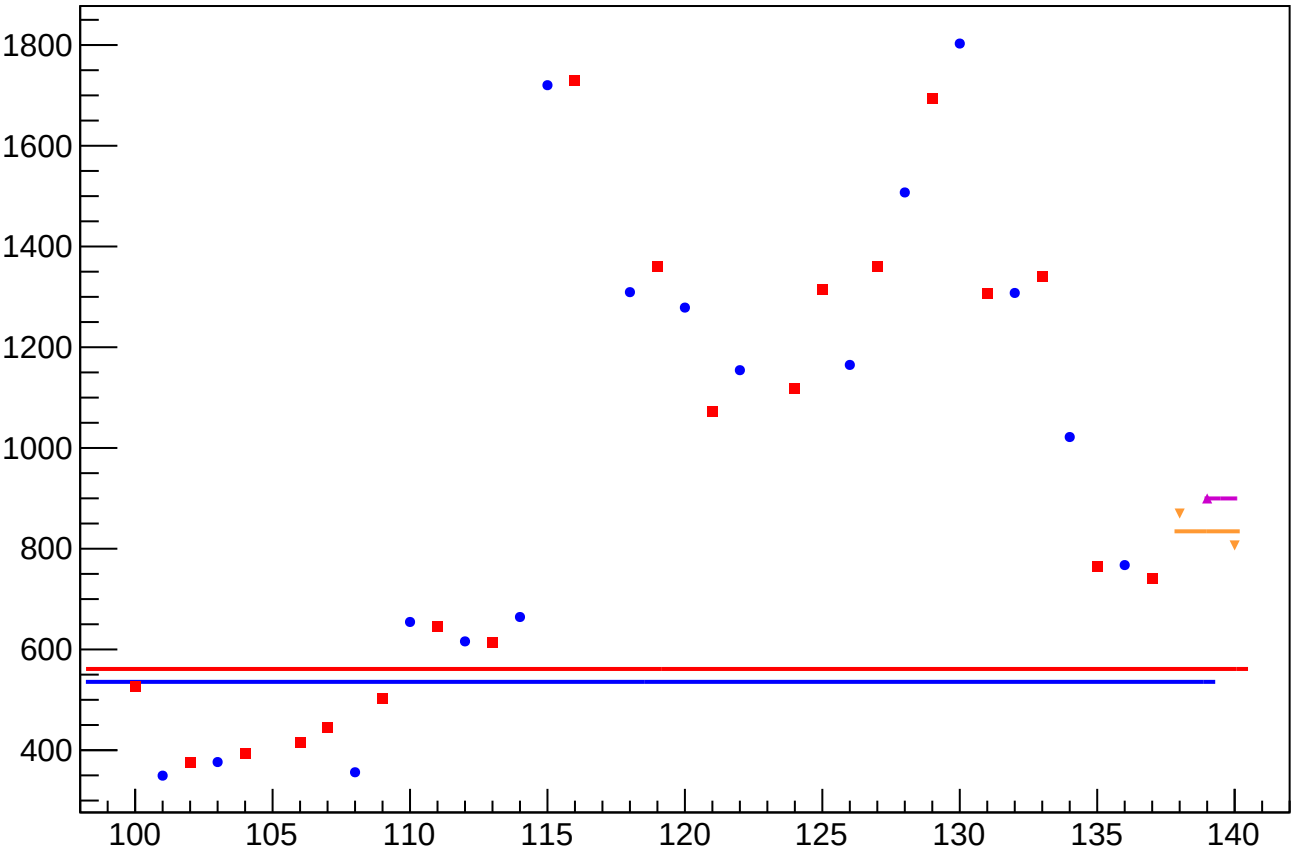
Left: 34.551+/-545.312 χ^2/NDF: 6.0/2

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 249.827+/-224.503 χ^2/NDF:16.6/16

Out: 99.701+/-219.407 χ^2/NDF:22.1/20

All: 173.041+/-156.915 χ^2/NDF: 39.0/37



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 834.530+/-0.464 χ^2/NDF:4586.8/1

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 899.800+/-0.692 χ^2/NDF:0.0/0

Left: 854.801+/-0.386 χ^2/NDF: 10721.7/2

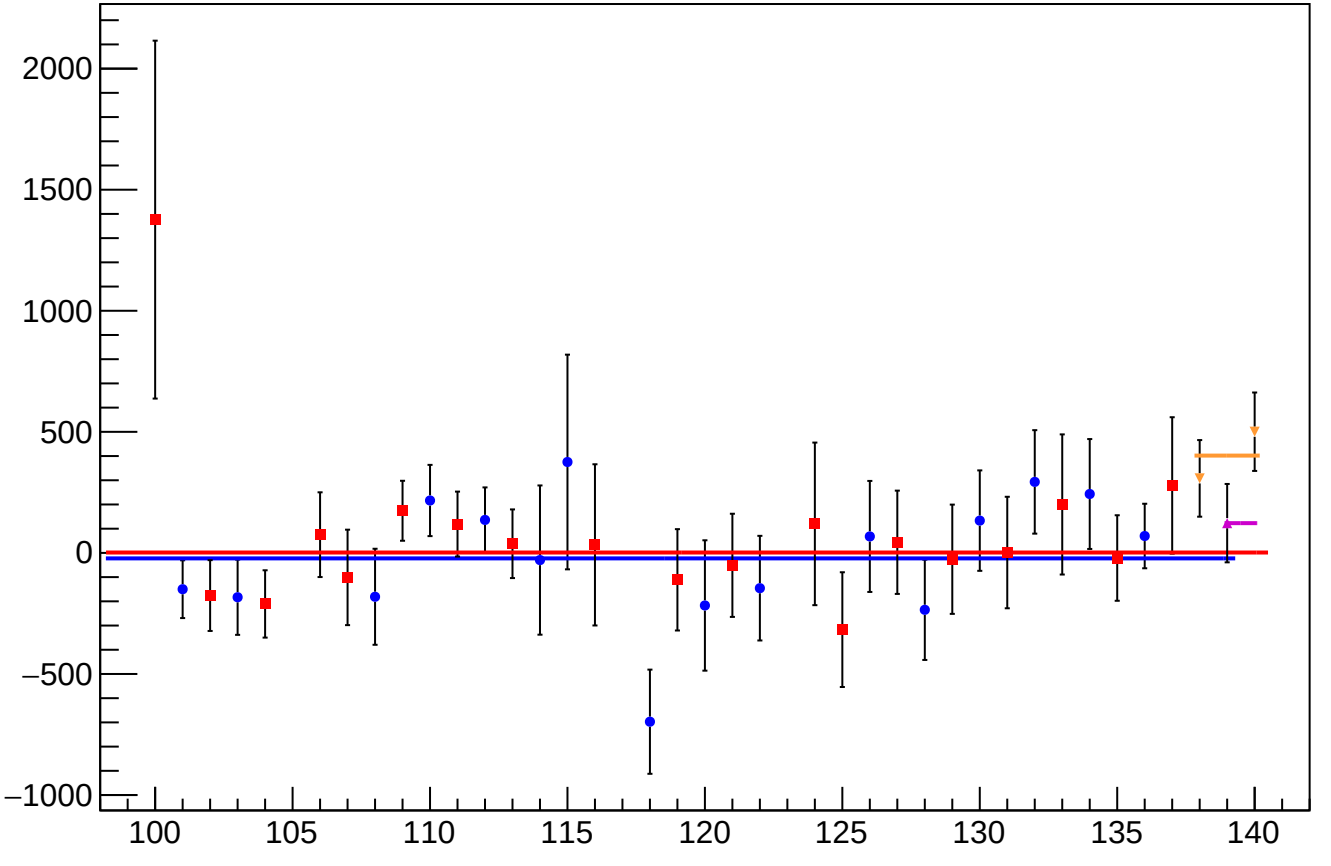
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 554.829+/-0.159 χ^2/NDF:3894977.7/16

Out: 591.768+/-0.155 χ^2/NDF:3442950.9/20

All: 573.723+/-0.111 χ^2/NDF: 7365622.2/37

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 401.913+/-113.166 χ^2/NDF:0.7/1

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 122.889+/-161.861 χ^2/NDF:0.0/0

Left: 310.303+/-92.746 χ^2/NDF: 2.7/2

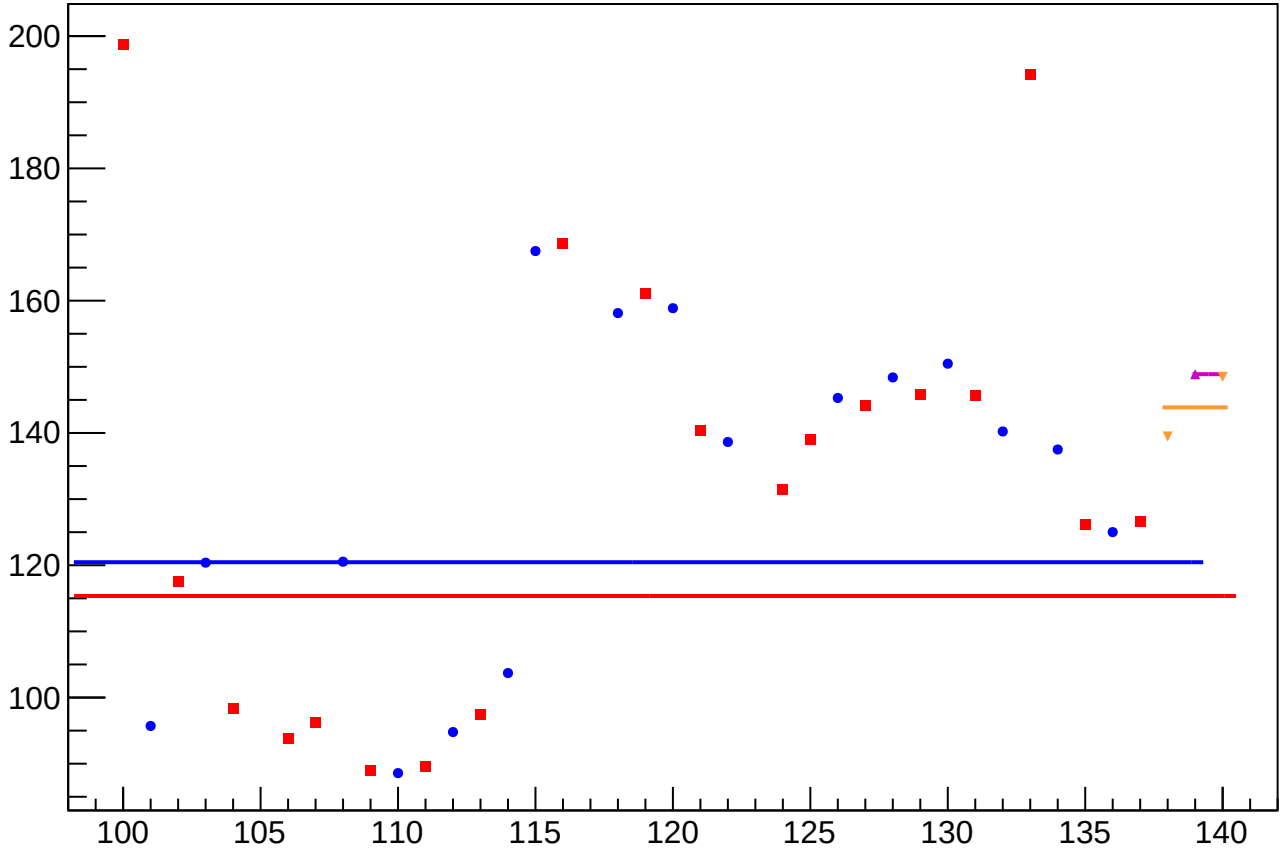
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: -11.840+/-44.166 χ^2/NDF:24.9/16

Out: 53.264+/-40.655 χ^2/NDF:25.9/20

All: 23.403+/-29.912 χ^2/NDF: 52.0/37

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 143.872+/-0.080 χ^2/NDF:3178.7/1

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 148.891+/-0.114 χ^2/NDF:0.0/0

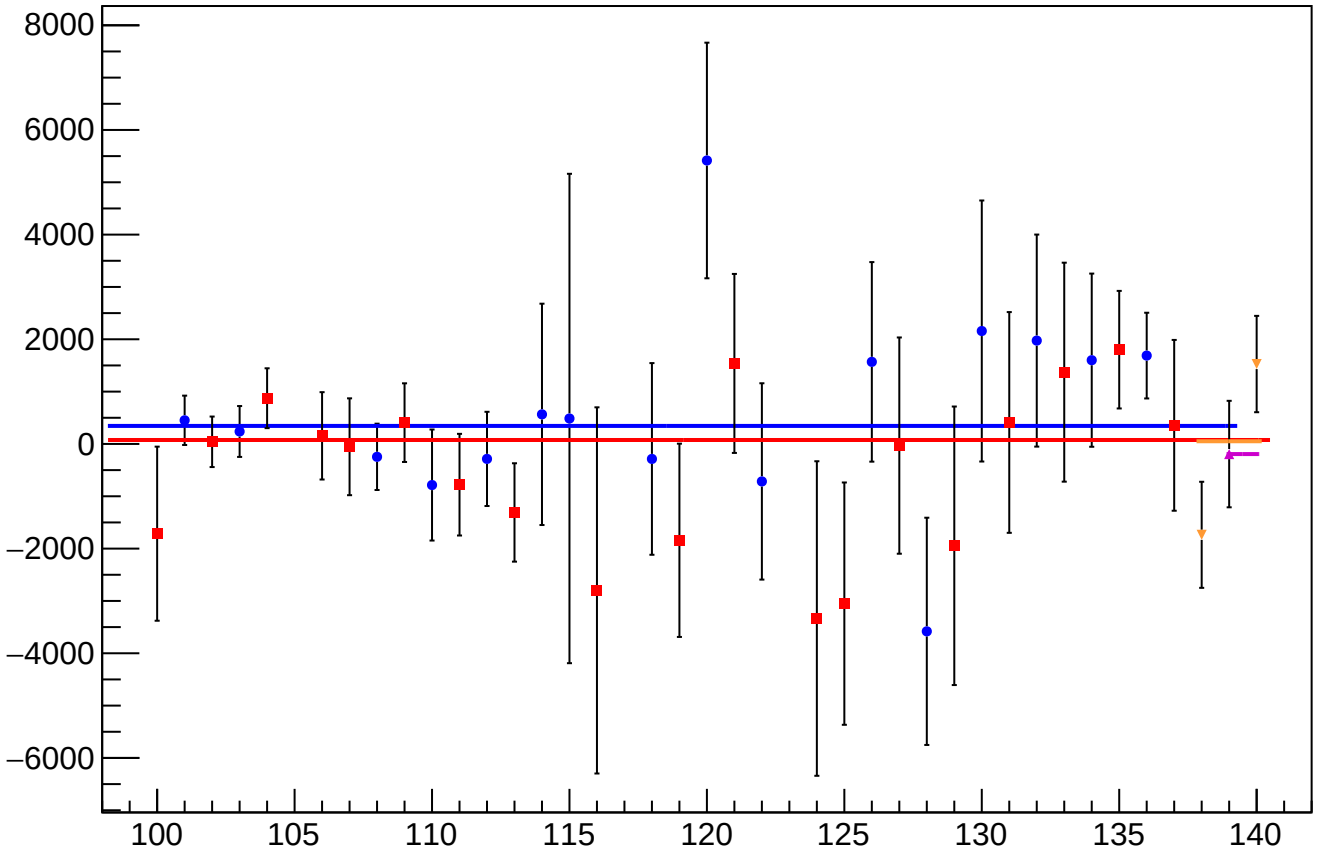
Left: 145.520+/-0.066 χ^2/NDF: 4470.5/2

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 122.575+/-0.031 χ^2/NDF:587449.9/16

Out: 119.037+/-0.029 χ^2/NDF:881007.4/20

All: 120.660+/-0.021 χ^2/NDF: 1475405.4/37



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 51.463+/-681.434 χ^2/NDF:5.7/1

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: -193.455+/-1017.397 χ^2/NDF:0.0/0

Left: -24.384+/-566.172 χ^2/NDF: 5.7/2

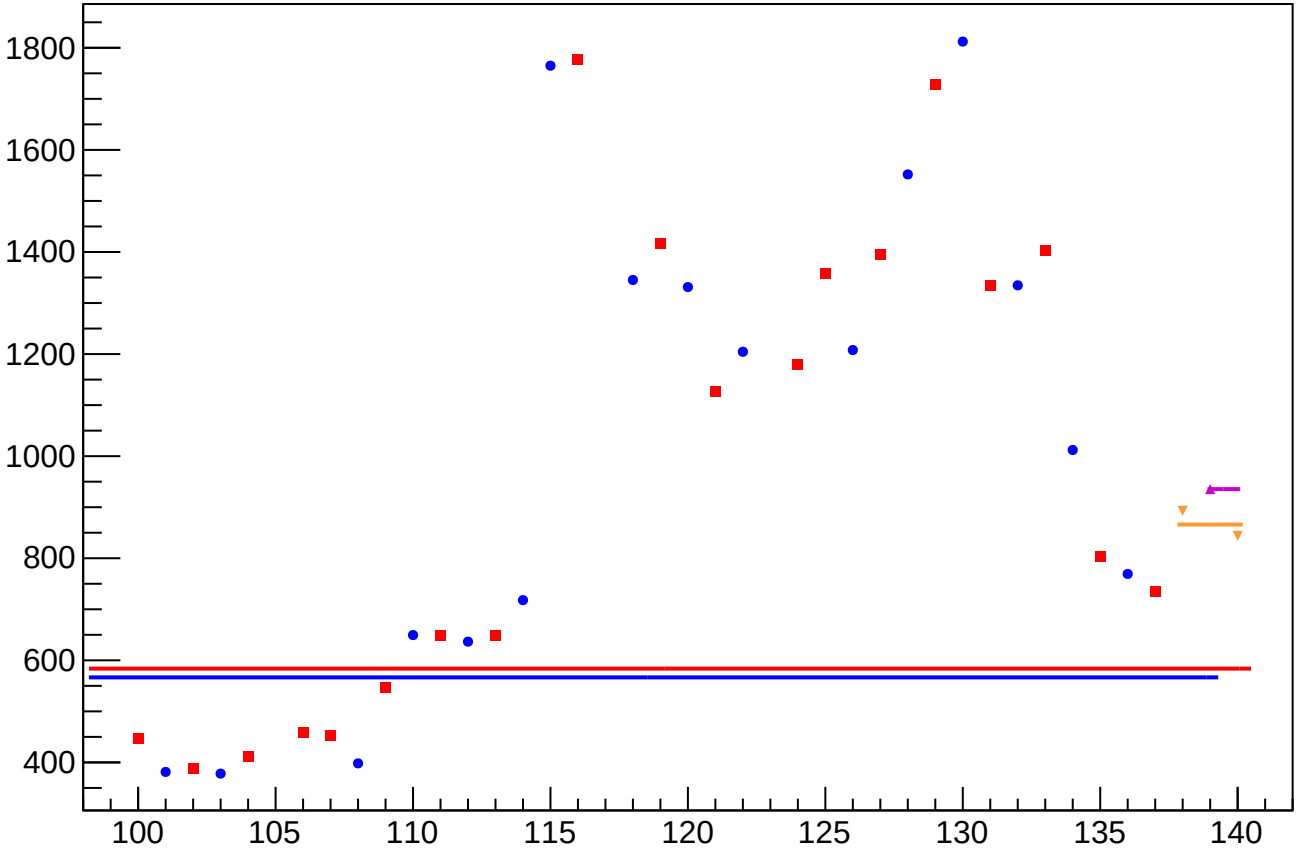
Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 315.739+/-235.000 χ^2/NDF:16.5/16

Out: 72.779+/-226.772 χ^2/NDF:20.9/20

All: 189.931+/-163.184 χ^2/NDF: 38.0/37

asym_sam6_dit_correction_rms vs Slug, Sign Corrected



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 866.050+/-0.482 χ^2/NDF:2560.0/1

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 935.460+/-0.719 χ^2/NDF:0.0/0

Left: 887.545+/-0.400 χ^2/NDF: 8985.9/2

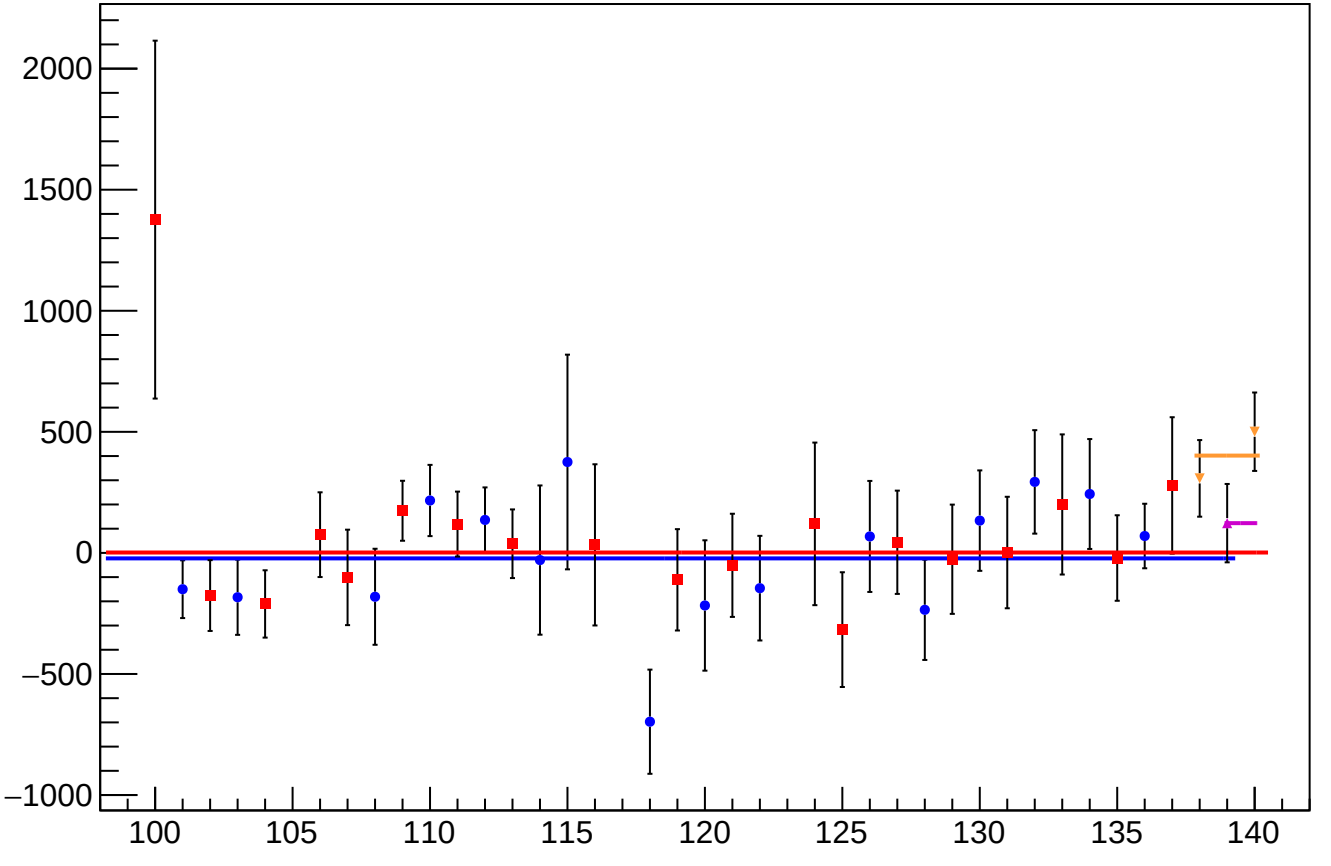
Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 586.283+/-0.166 χ^2/NDF:3681298.4/16

Out: 615.053+/-0.160 χ^2/NDF:3415210.7/20

All: 601.180+/-0.115 χ^2/NDF: 7112031.4/37

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 401.914+/-113.166 χ^2/NDF:0.7/1

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 122.887+/-161.861 χ^2/NDF:0.0/0

Left: 310.303+/-92.746 χ^2/NDF: 2.7/2

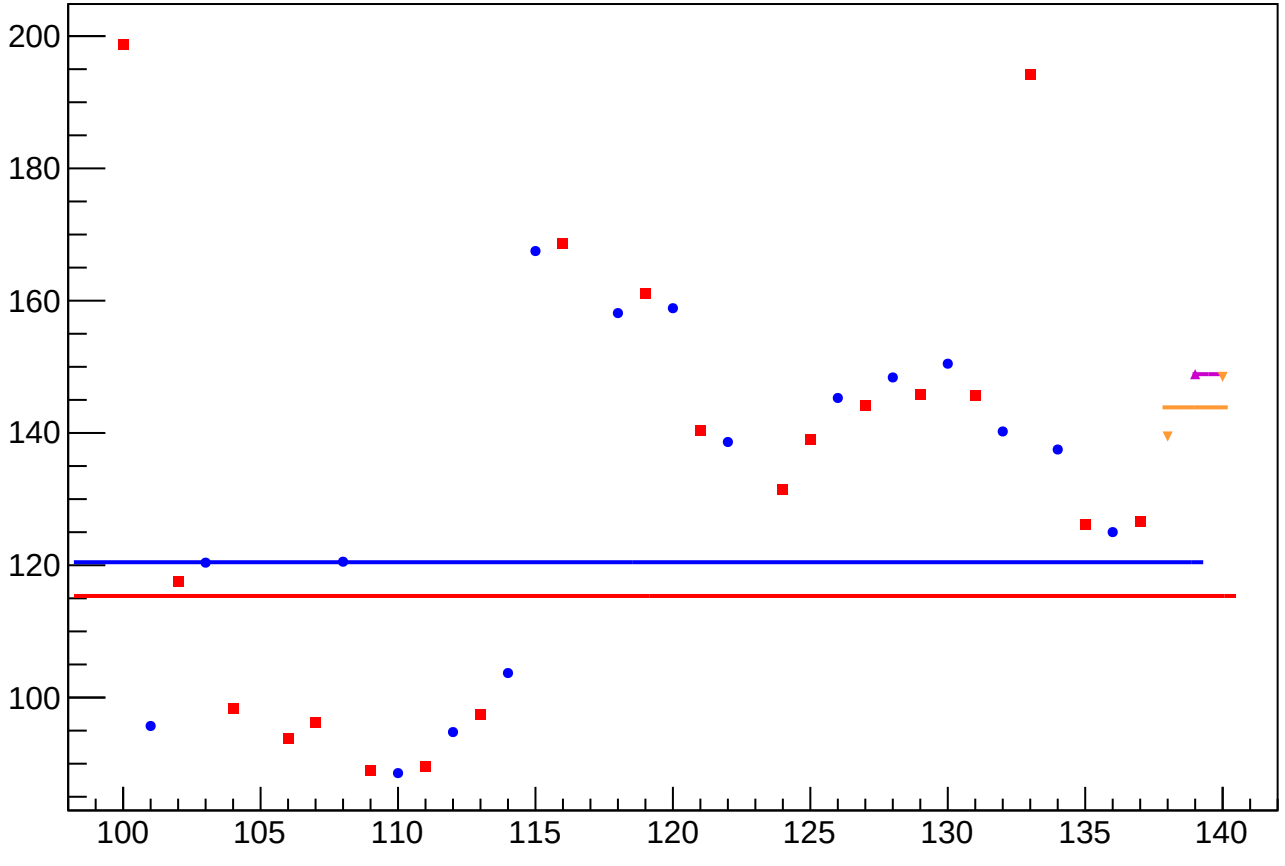
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: -11.842+/-44.166 χ^2/NDF:24.9/16

Out: 53.266+/-40.655 χ^2/NDF:25.9/20

All: 23.403+/-29.912 χ^2/NDF: 52.0/37

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 143.871+/-0.080 χ^2/NDF:3178.4/1

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 148.891+/-0.114 χ^2/NDF:0.0/0

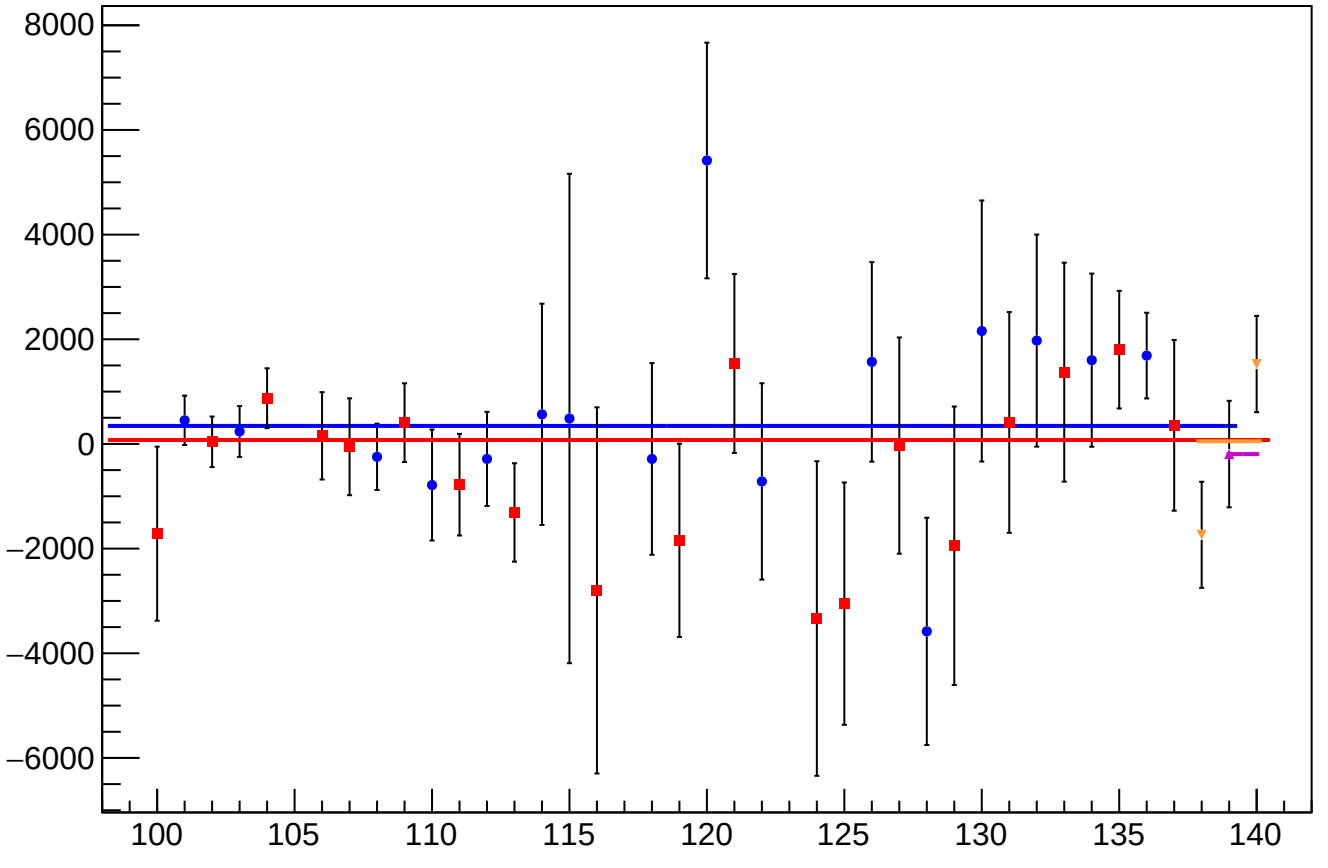
Left: 145.519+/-0.066 χ^2/NDF: 4470.3/2

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 122.575+/-0.031 χ^2/NDF:587454.1/16

Out: 119.037+/-0.029 χ^2/NDF:881006.3/20

All: 120.660+/-0.021 χ^2/NDF: 1475408.4/37



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 51.468+/-681.433 χ^2/NDF:5.7/1

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: -193.457+/-1017.398 χ^2/NDF:0.0/0

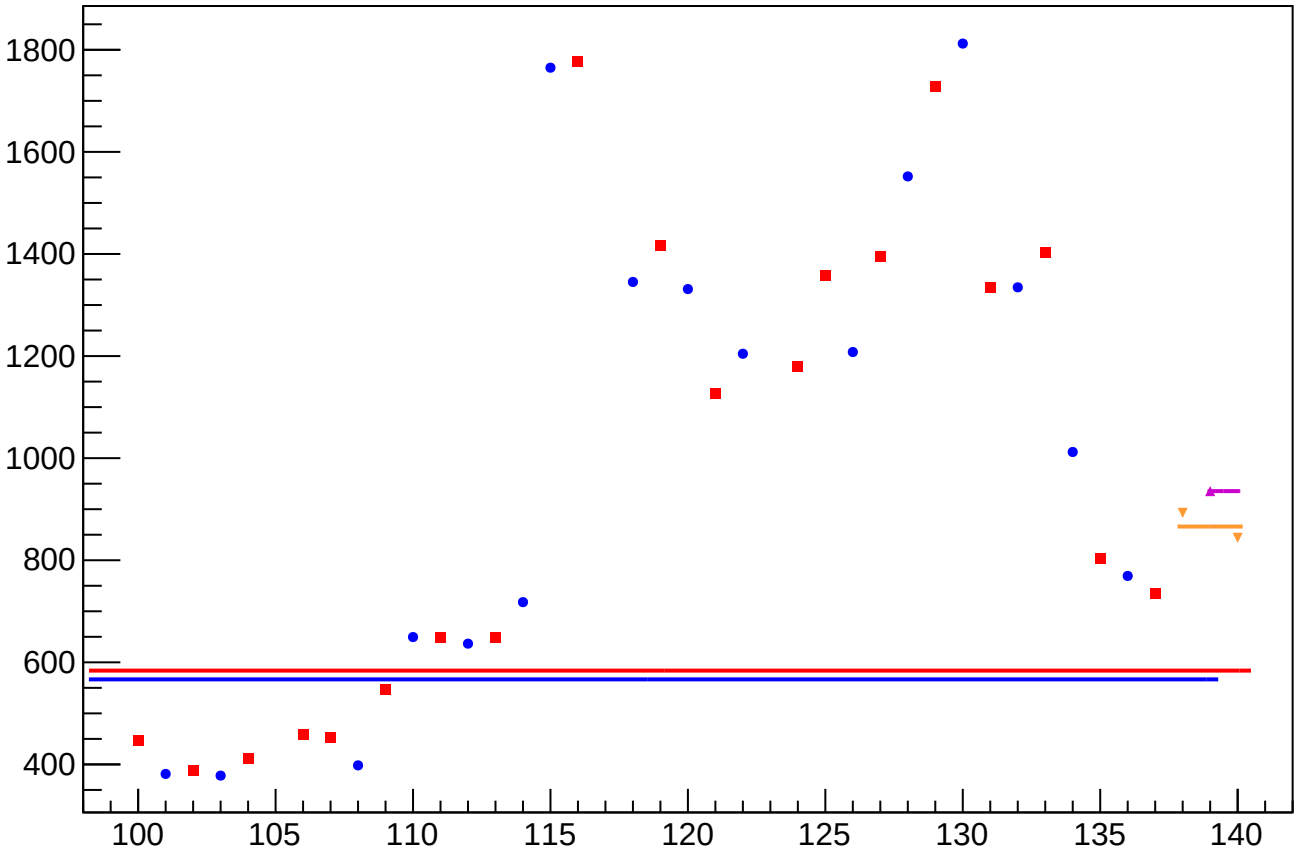
Left: -24.381+/-566.172 χ^2/NDF: 5.7/2

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 315.738+/-235.000 χ^2/NDF:16.5/16

Out: 72.781+/-226.772 χ^2/NDF:20.9/20

All: 189.932+/-163.183 χ^2/NDF: 38.0/37



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 866.049+/-0.482 χ^2/NDF:2560.2/1

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 935.460+/-0.719 χ^2/NDF:0.0/0

Left: 887.545+/-0.400 χ^2/NDF: 8986.4/2

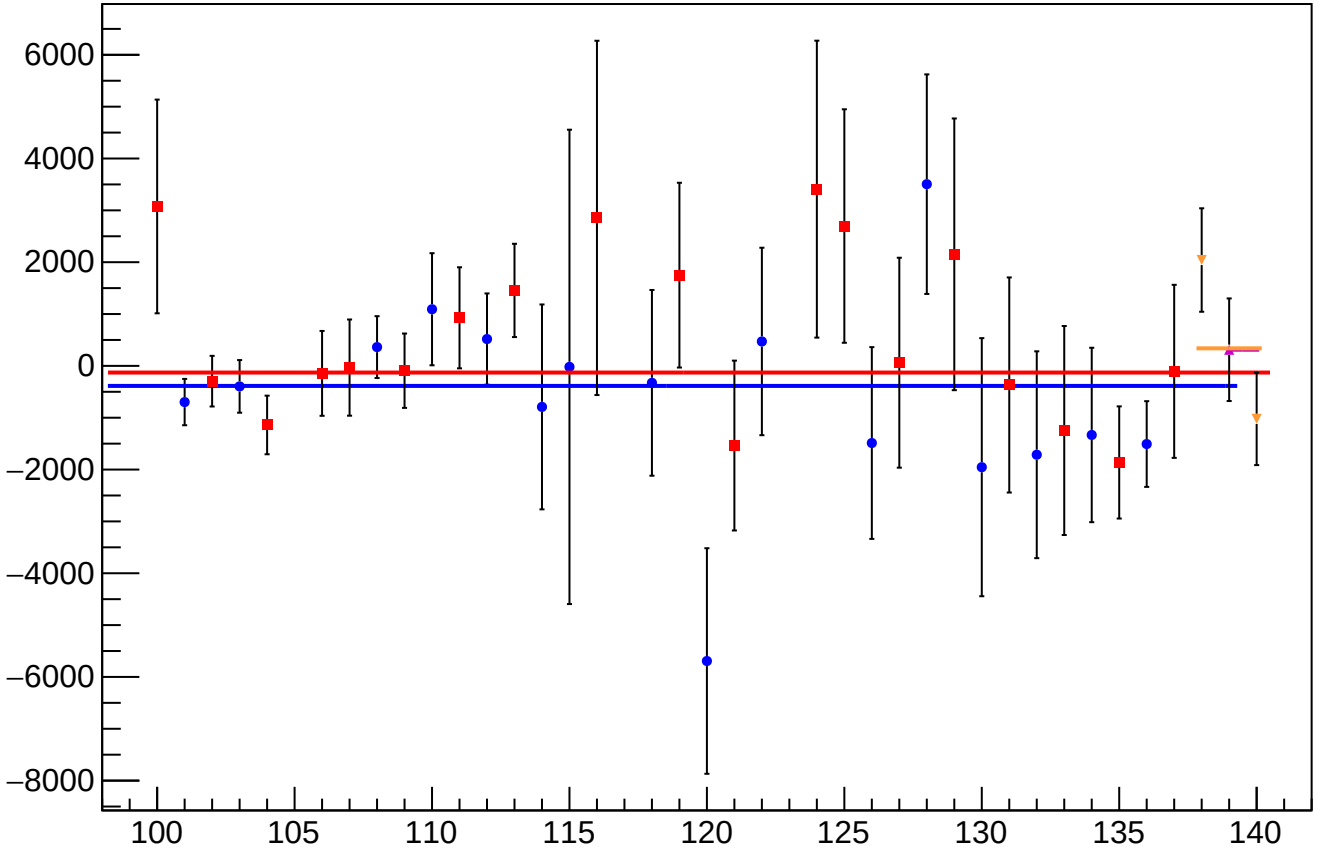
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 586.282+/-0.166 χ^2/NDF:3681304.2/16

Out: 615.053+/-0.160 χ^2/NDF:3415210.7/20

All: 601.180+/-0.115 χ^2/NDF: 7112037.4/37

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 338.502+/-664.963 χ^2/NDF:5.2/1

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 311.584+/-989.443 χ^2/NDF:0.0/0

Left: 330.126+/-551.905 χ^2/NDF: 5.2/2

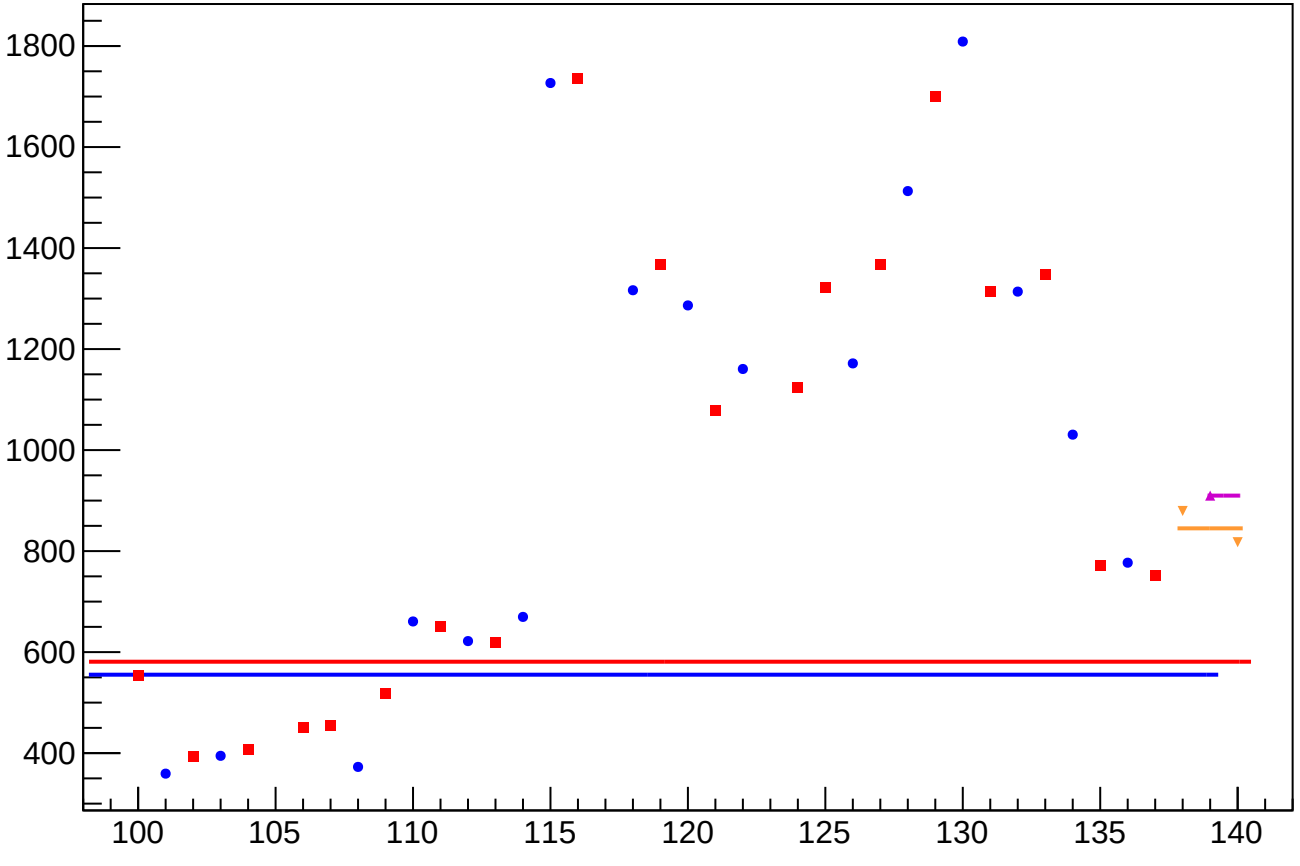
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -348.484+/-230.963 χ^2/NDF:18.4/16

Out: -75.448+/-224.281 χ^2/NDF:25.1/20

All: -207.959+/-160.901 χ^2/NDF: 44.2/37

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 845.052+/-0.470 χ^2/NDF:4270.0/1

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 909.872+/-0.700 χ^2/NDF:0.0/0

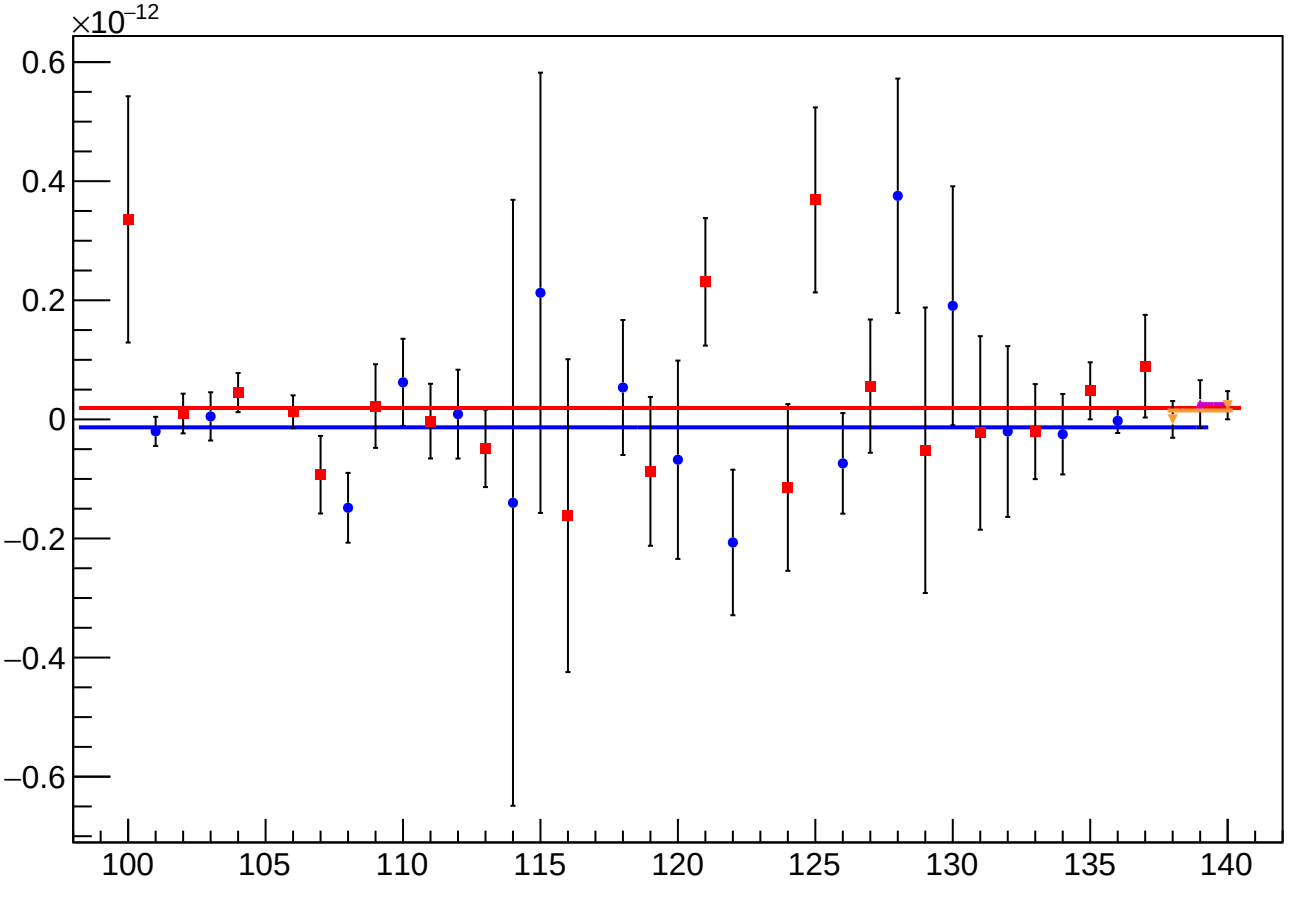
Left: 865.220+/-0.390 χ^2/NDF: 10182.8/2

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 574.612+/-0.163 χ^2/NDF:3725384.1/16

Out: 611.035+/-0.159 χ^2/NDF:3267330.2/20

All: 593.358+/-0.114 χ^2/NDF: 7018312.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

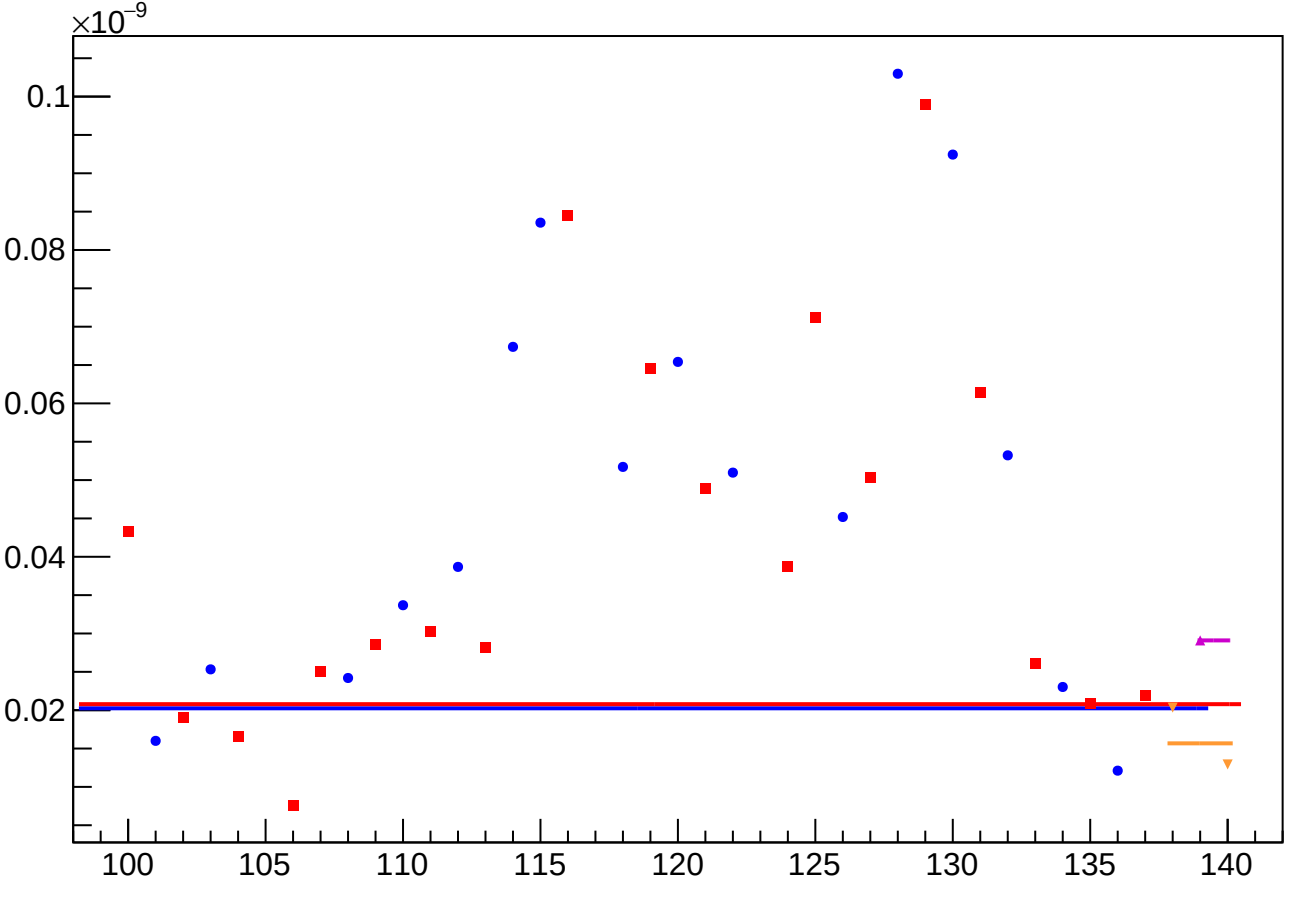
Left: 0.000+/-0.000 χ^2/NDF: 0.4/2

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:16.8/16

Out: 0.000+/-0.000 χ^2/NDF:20.3/20

All: 0.000+/-0.000 χ^2/NDF: 39.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:72751.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

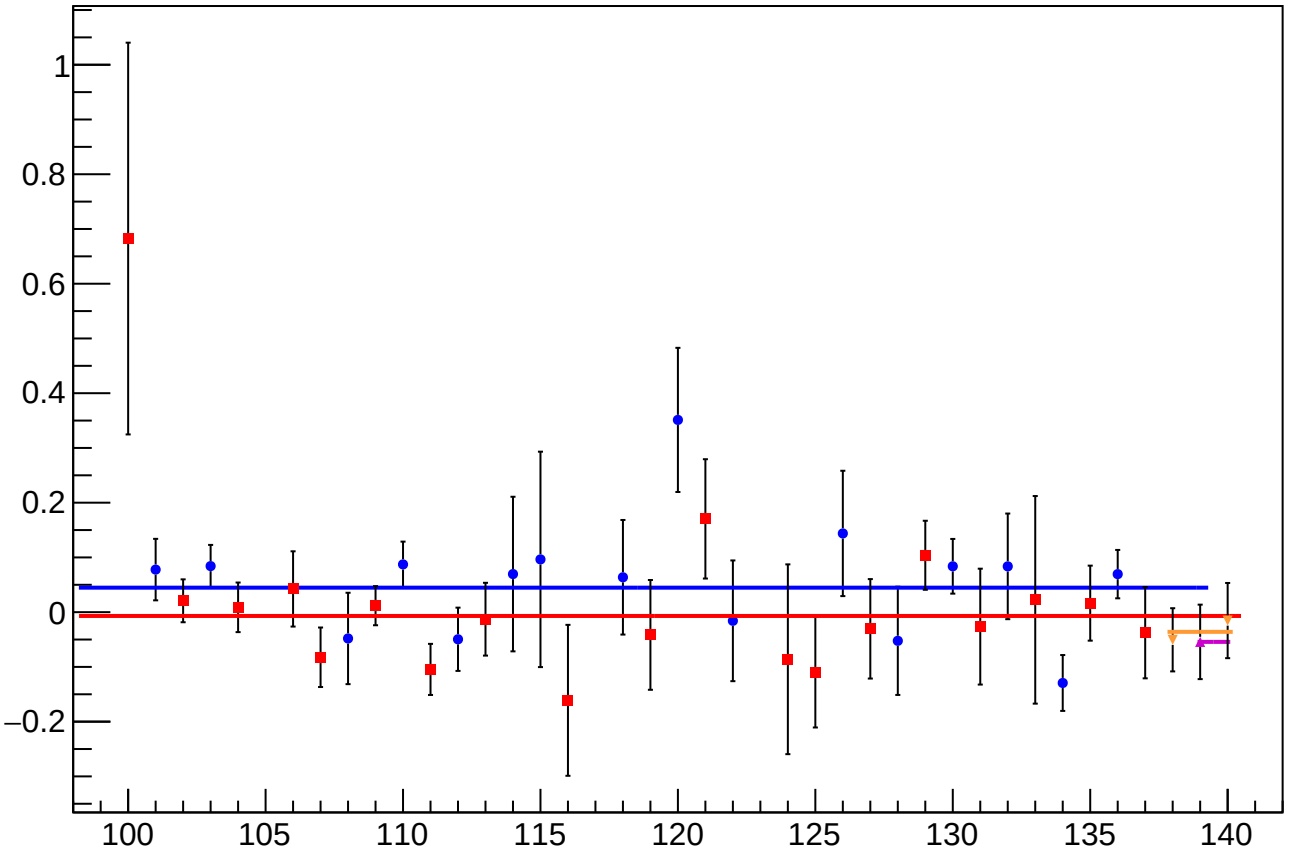
Left: 0.000+/-0.000 χ^2/NDF: 255650.0/2

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2092510.4/16

Out: 0.000+/-0.000 χ^2/NDF:2024492.7/20

All: 0.000+/-0.000 χ^2/NDF: 4148683.7/37



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.036+/-0.044 χ^2/NDF:0.2/1

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.054+/-0.068 χ^2/NDF:0.0/0

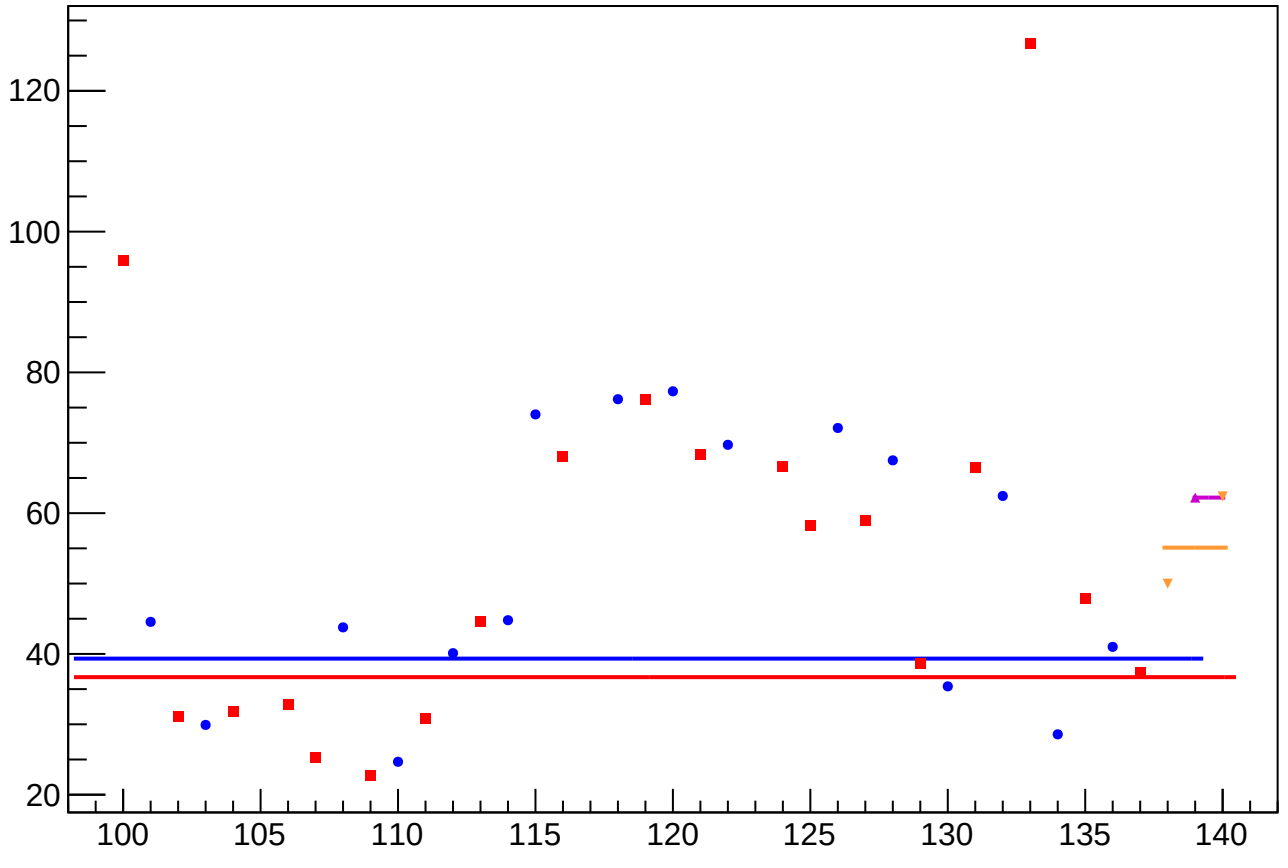
Left: -0.041+/-0.037 χ^2/NDF: 0.2/2

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.016 χ^2/NDF:28.6/16

Out: -0.010+/-0.014 χ^2/NDF:20.7/20

All: 0.013+/-0.011 χ^2/NDF: 54.8/37



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 55.105+/-0.031 χ^2/NDF:38191.9/1

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 62.213+/-0.048 χ^2/NDF:0.0/0

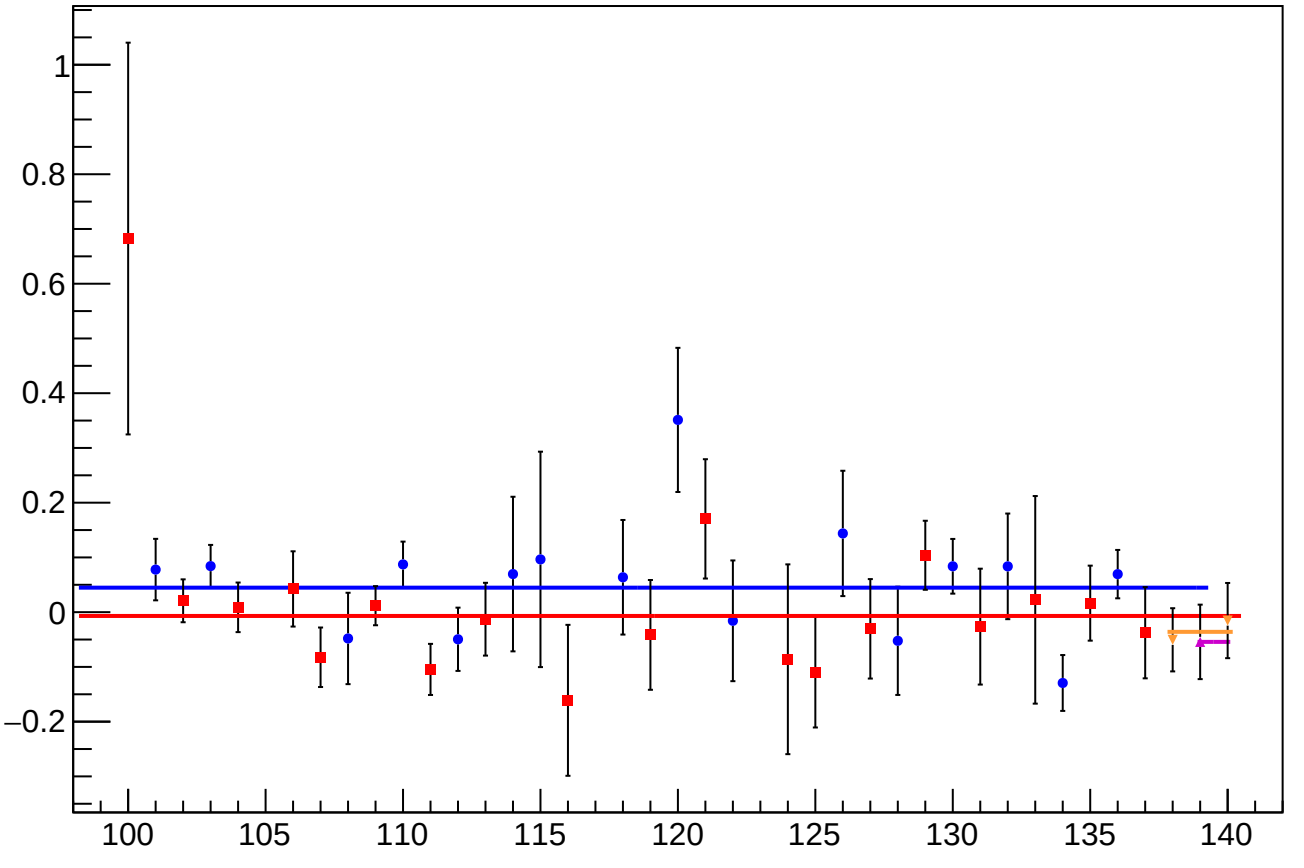
Left: 57.213+/-0.026 χ^2/NDF: 53550.2/2

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 40.537+/-0.011 χ^2/NDF:1780853.6/16

Out: 38.627+/-0.010 χ^2/NDF:2445663.9/20

All: 39.499+/-0.007 χ^2/NDF: 4242814.3/37



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.036+/-0.044 χ^2/NDF:0.2/1

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.054+/-0.068 χ^2/NDF:0.0/0

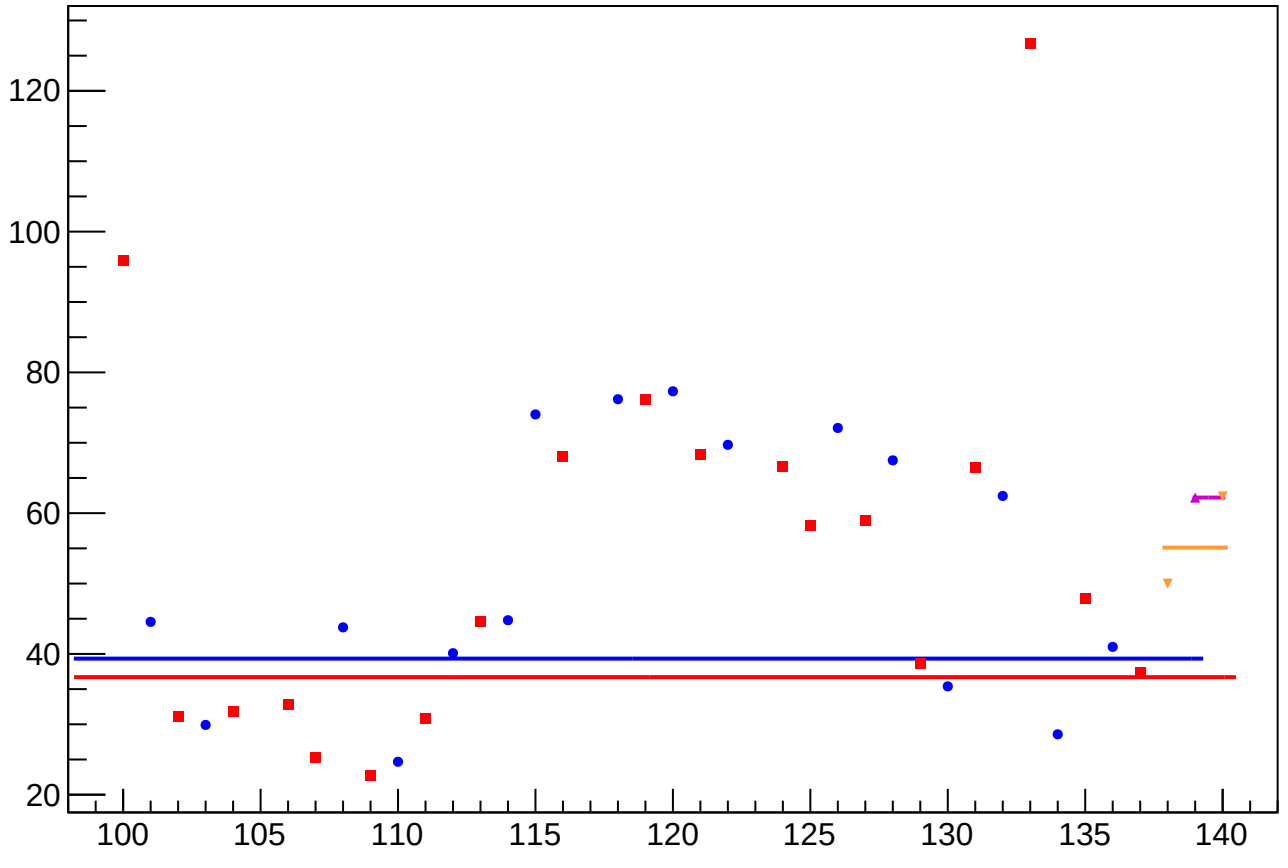
Left: -0.041+/-0.037 χ^2/NDF: 0.2/2

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.016 χ^2/NDF:28.6/16

Out: -0.010+/-0.014 χ^2/NDF:20.7/20

All: 0.013+/-0.011 χ^2/NDF: 54.8/37



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 55.105+/-0.031 χ^2/NDF:38191.9/1

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 62.213+/-0.048 χ^2/NDF:0.0/0

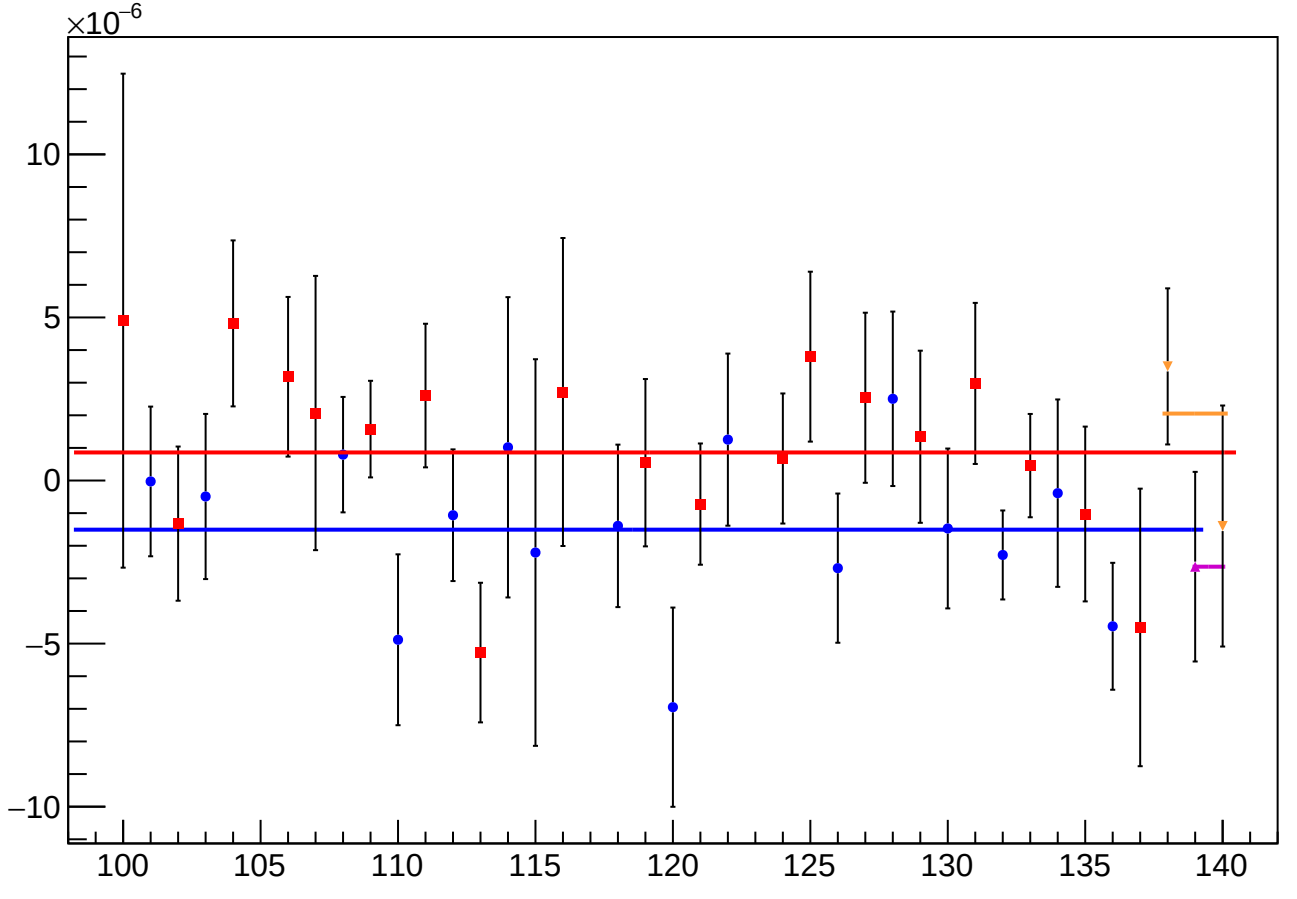
Left: 57.213+/-0.026 χ^2/NDF: 53550.2/2

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 40.537+/-0.011 χ^2/NDF:1780853.6/16

Out: 38.627+/-0.010 χ^2/NDF:2445663.9/20

All: 39.499+/-0.007 χ^2/NDF: 4242814.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

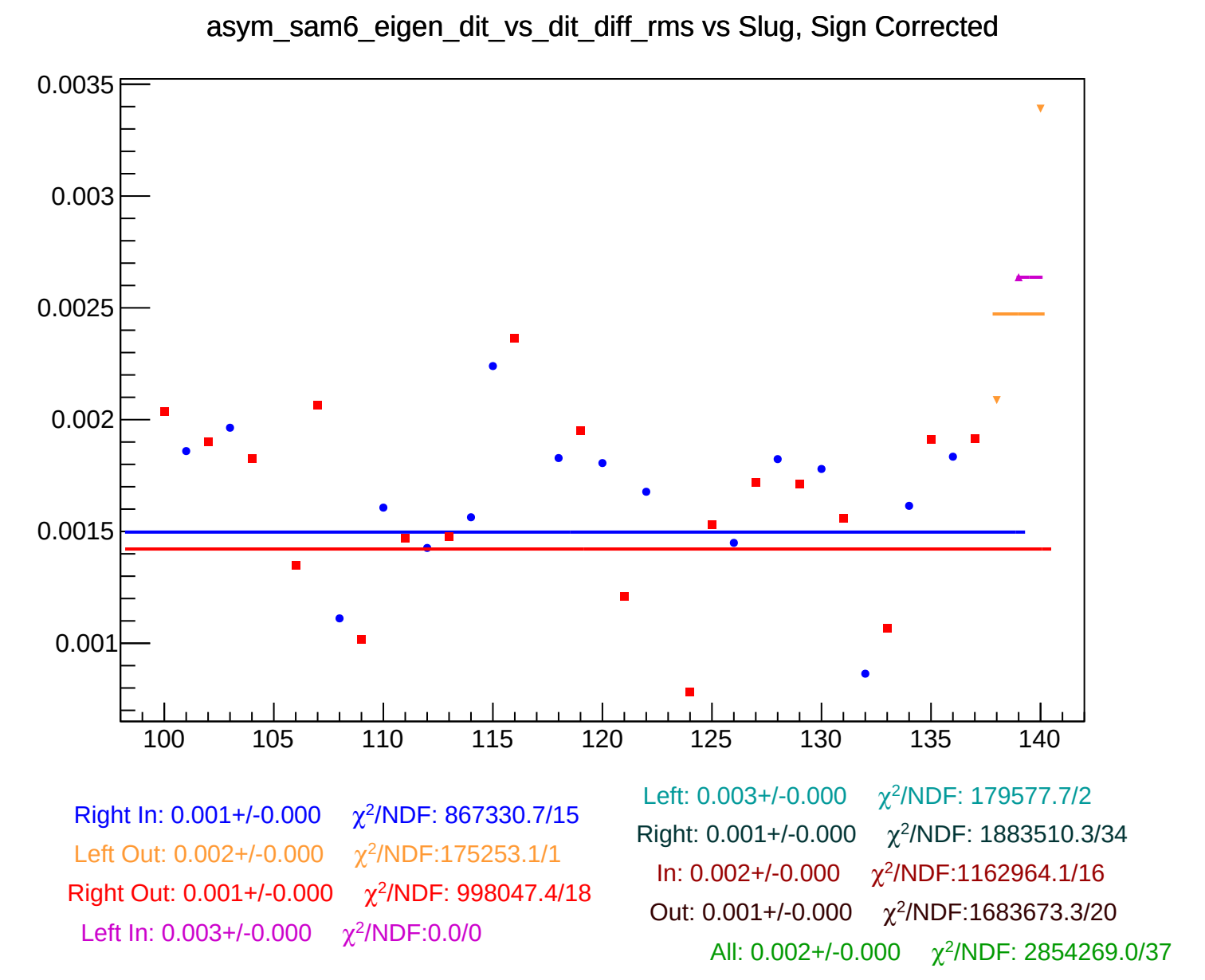
Left: 0.000+/-0.000 χ^2/NDF: 3.0/2

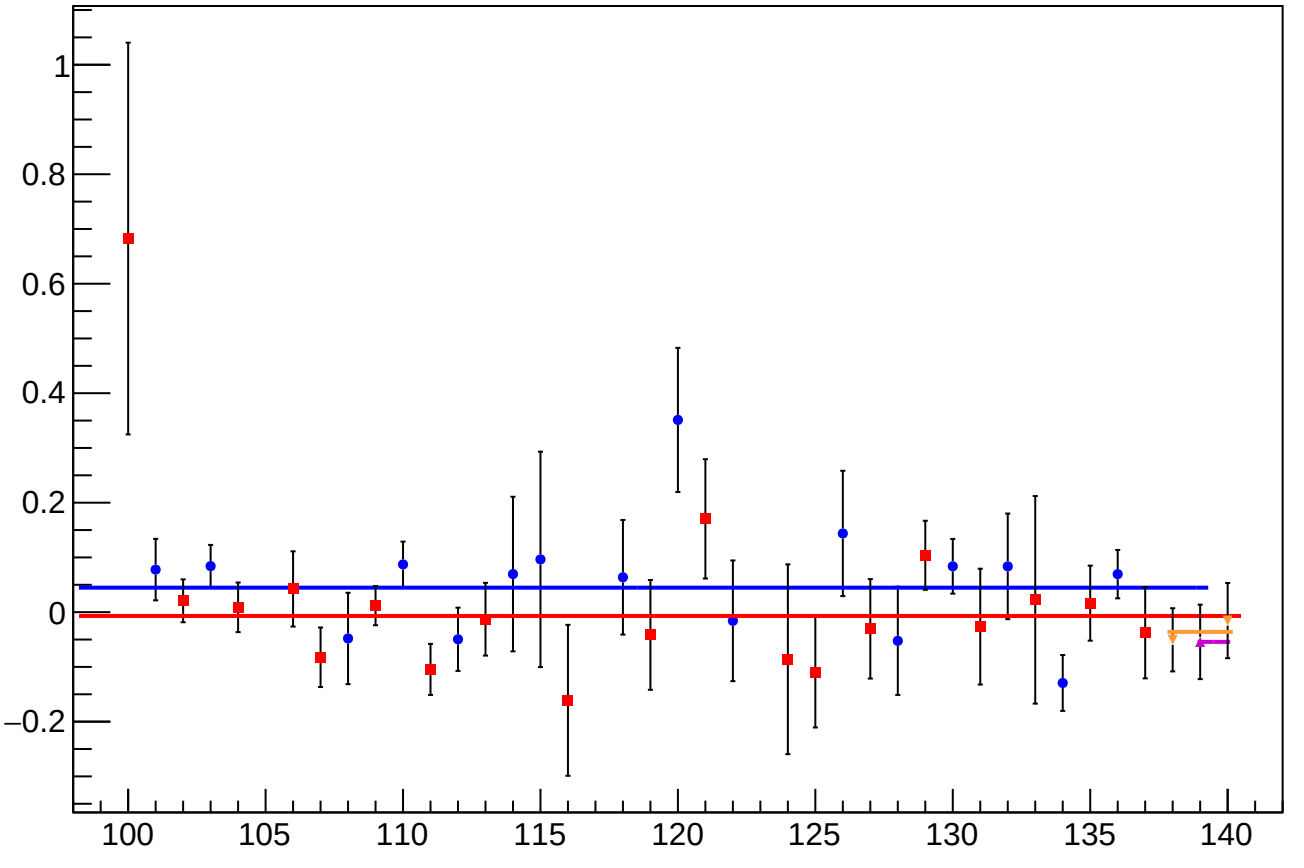
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:14.0/16

Out: 0.000+/-0.000 χ^2/NDF:20.7/20

All: -0.000+/-0.000 χ^2/NDF: 45.1/37


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
105
110
115
120
125
130
135
140
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.002+/-0.000 χ²/NDF:175253.1/1
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:0.0/0
Left: 0.003+/-0.000 χ²/NDF: 179577.7/2
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:1162964.1/16
Out: 0.001+/-0.000 χ²/NDF:1683673.3/20
All: 0.002+/-0.000 χ²/NDF: 2854269.0/37



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.036+/-0.044 χ^2/NDF:0.2/1

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.054+/-0.068 χ^2/NDF:0.0/0

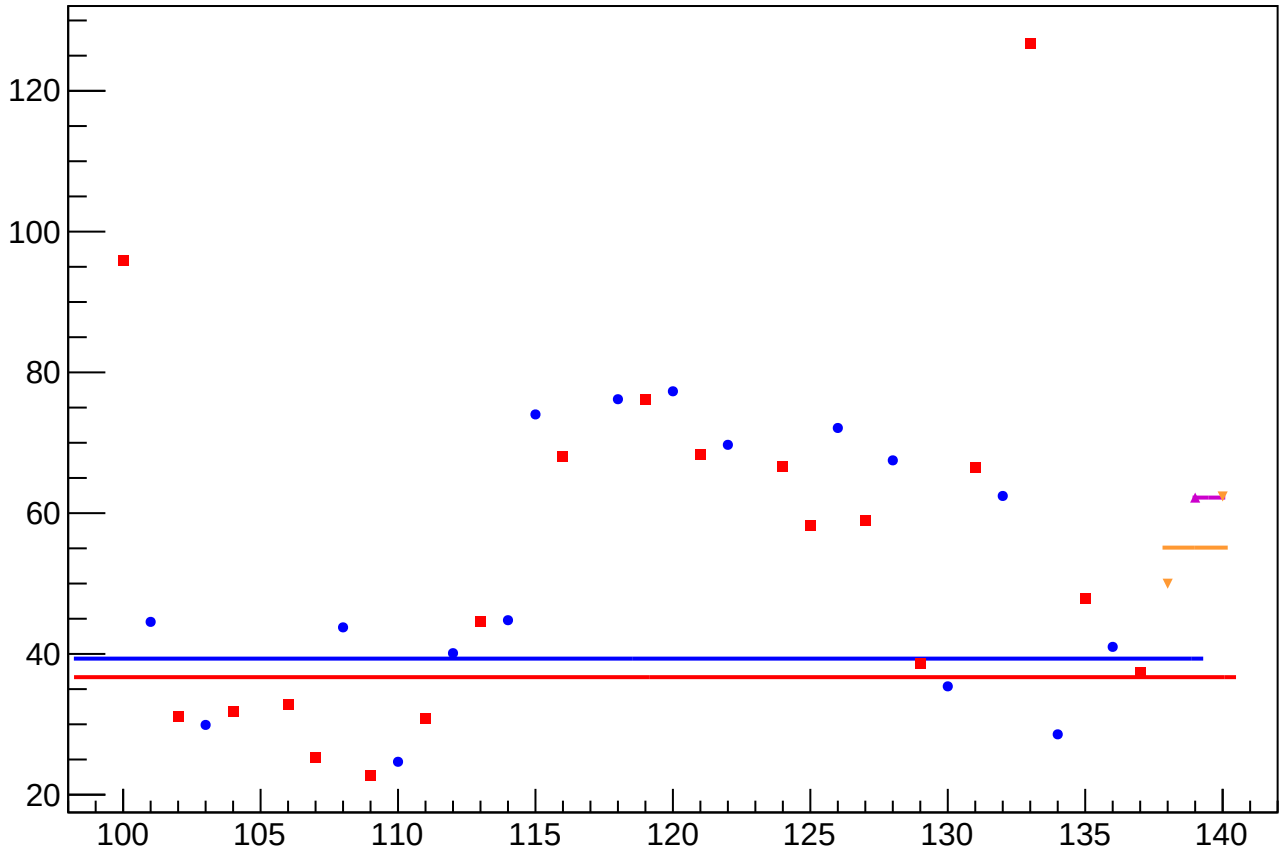
Left: -0.041+/-0.037 χ^2/NDF: 0.2/2

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.016 χ^2/NDF:28.6/16

Out: -0.010+/-0.014 χ^2/NDF:20.7/20

All: 0.013+/-0.011 χ^2/NDF: 54.8/37



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 55.104+/-0.031 χ^2/NDF:38186.7/1

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 62.212+/-0.048 χ^2/NDF:0.0/0

Left: 57.213+/-0.026 χ^2/NDF: 53546.5/2

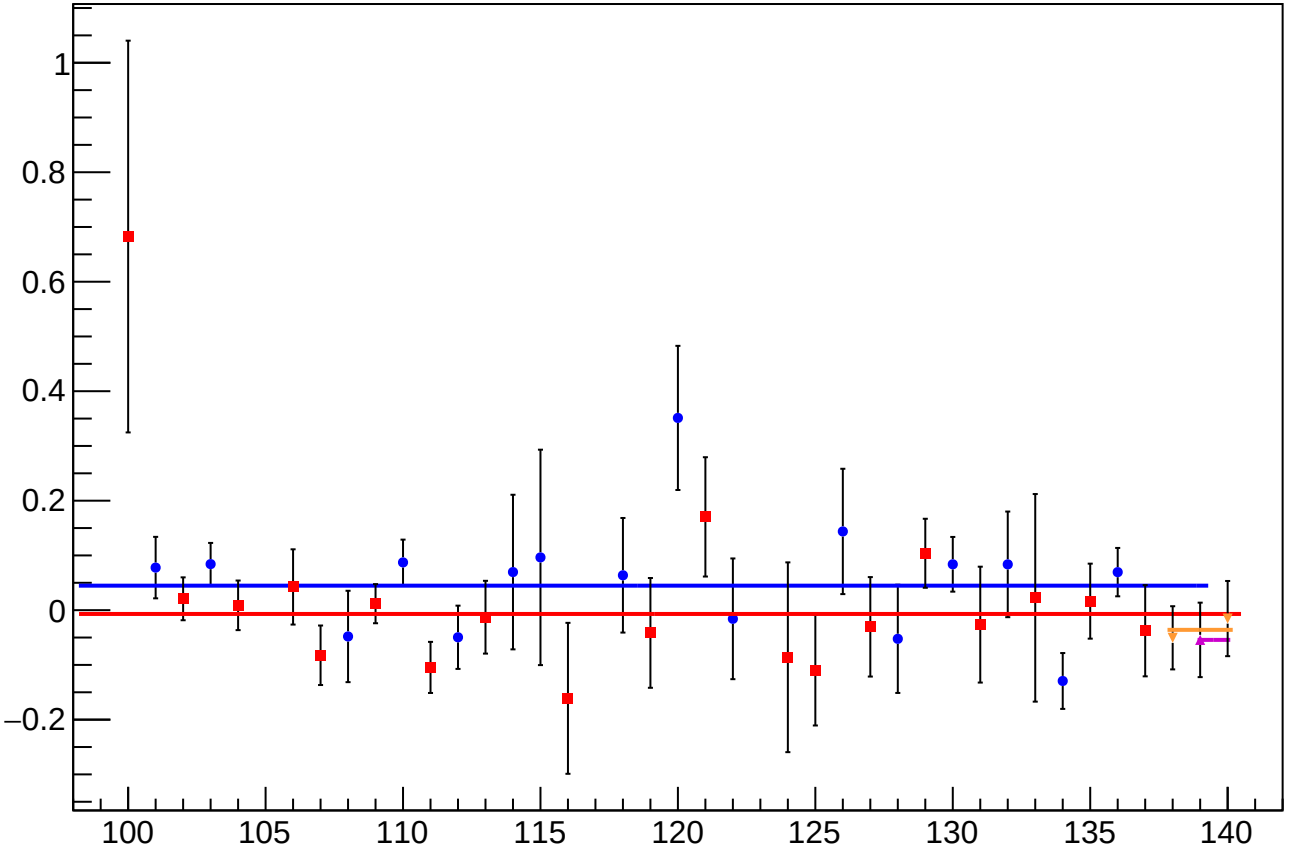
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 40.536+/-0.011 χ^2/NDF:1780883.0/16

Out: 38.627+/-0.010 χ^2/NDF:2445650.6/20

All: 39.499+/-0.007 χ^2/NDF: 4242826.1/37

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.036+/-0.044 χ^2/NDF:0.2/1

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.054+/-0.068 χ^2/NDF:0.0/0

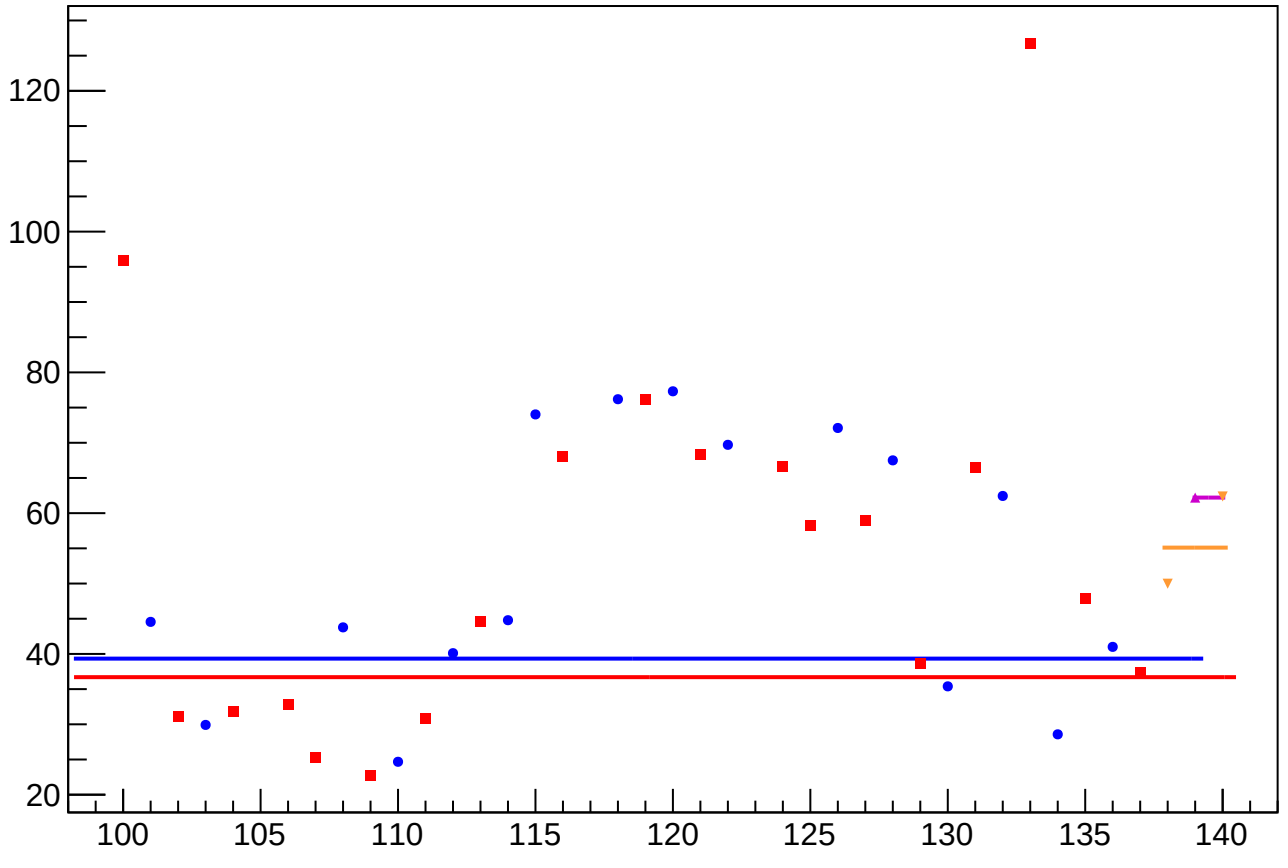
Left: -0.041+/-0.037 χ^2/NDF: 0.2/2

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.016 χ^2/NDF:28.6/16

Out: -0.010+/-0.014 χ^2/NDF:20.7/20

All: 0.013+/-0.011 χ^2/NDF: 54.8/37



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 55.104+/-0.031 χ^2/NDF:38186.7/1

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 62.212+/-0.048 χ^2/NDF:0.0/0

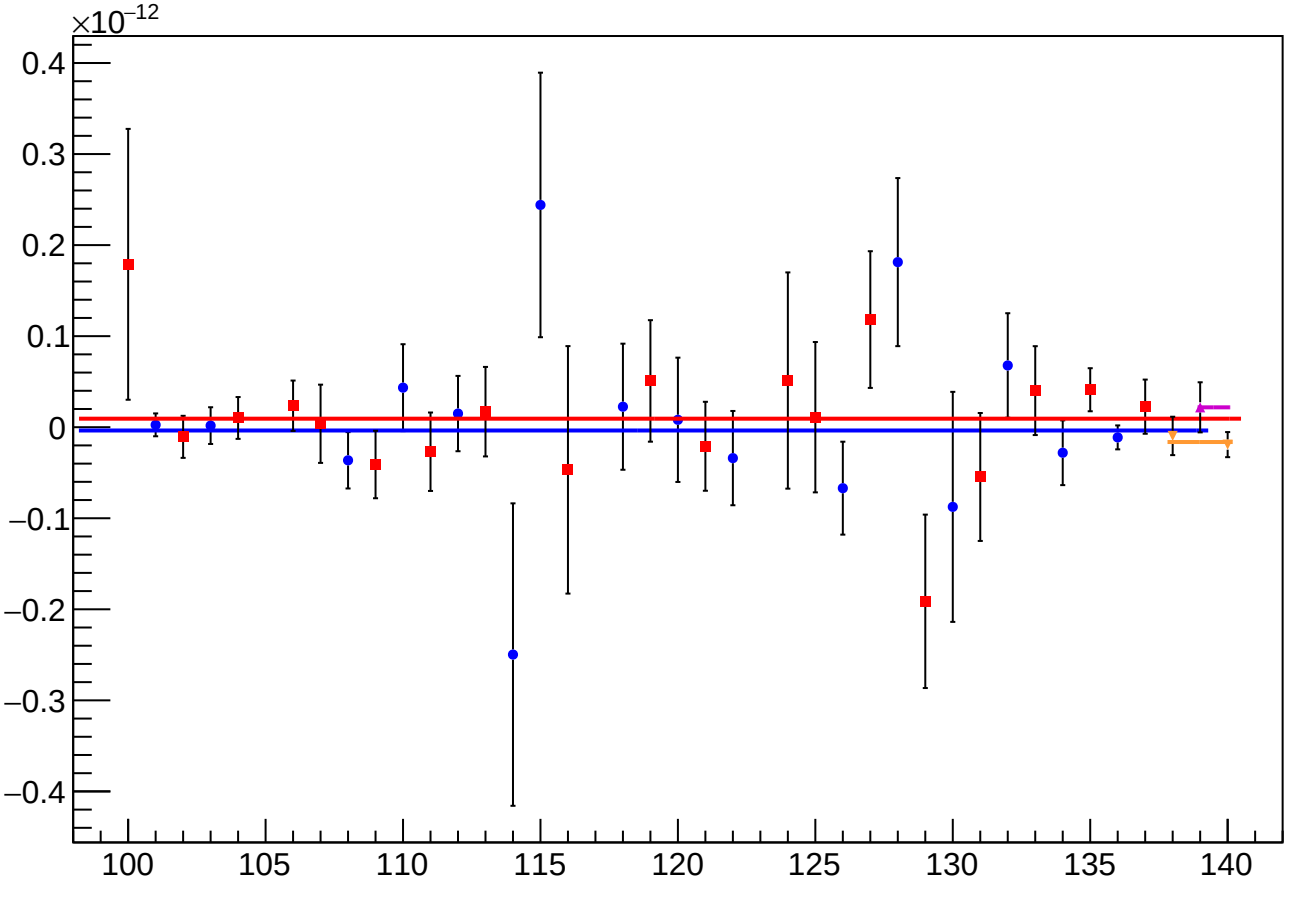
Left: 57.213+/-0.026 χ^2/NDF: 53546.5/2

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 40.536+/-0.011 χ^2/NDF:1780883.0/16

Out: 38.627+/-0.010 χ^2/NDF:2445650.6/20

All: 39.499+/-0.007 χ^2/NDF: 4242826.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

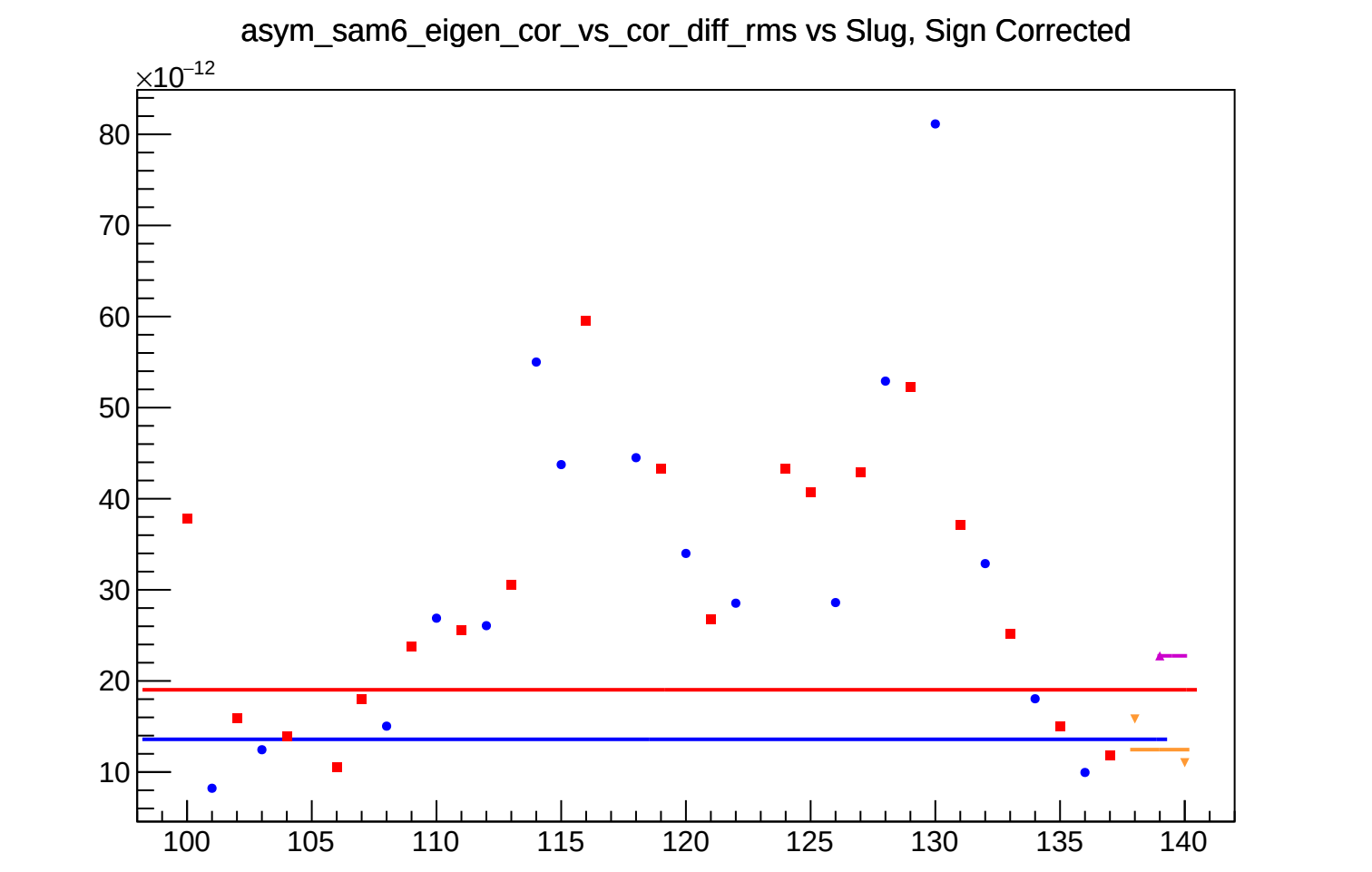
Left: -0.000+/-0.000 χ^2/NDF: 1.8/2

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: -0.000+/-0.000 χ^2/NDF:17.4/16

Out: -0.000+/-0.000 χ^2/NDF:18.9/20

All: -0.000+/-0.000 χ^2/NDF: 36.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:72575.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 310646.9/2

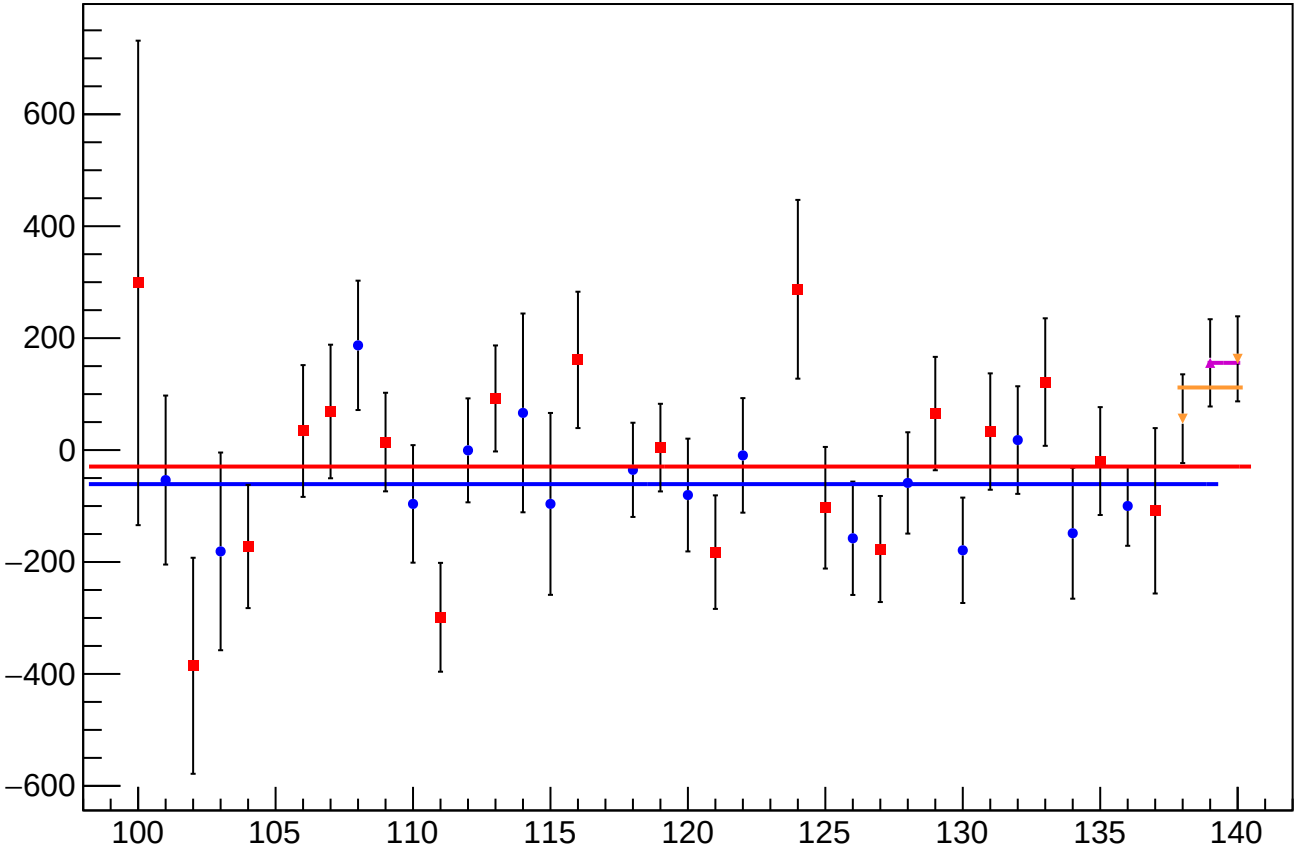
Right: 0.000+/-0.000 χ^2/NDF: 5674807.3/34

In: 0.000+/-0.000 χ^2/NDF:3394559.4/16

Out: 0.000+/-0.000 χ^2/NDF:2521687.9/20

All: 0.000+/-0.000 χ^2/NDF: 6024969.0/37

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 111.827+/-54.866 χ^2/NDF:0.9/1

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 155.849+/-77.960 χ^2/NDF:0.0/0

Left: 126.408+/-44.868 χ^2/NDF: 1.2/2

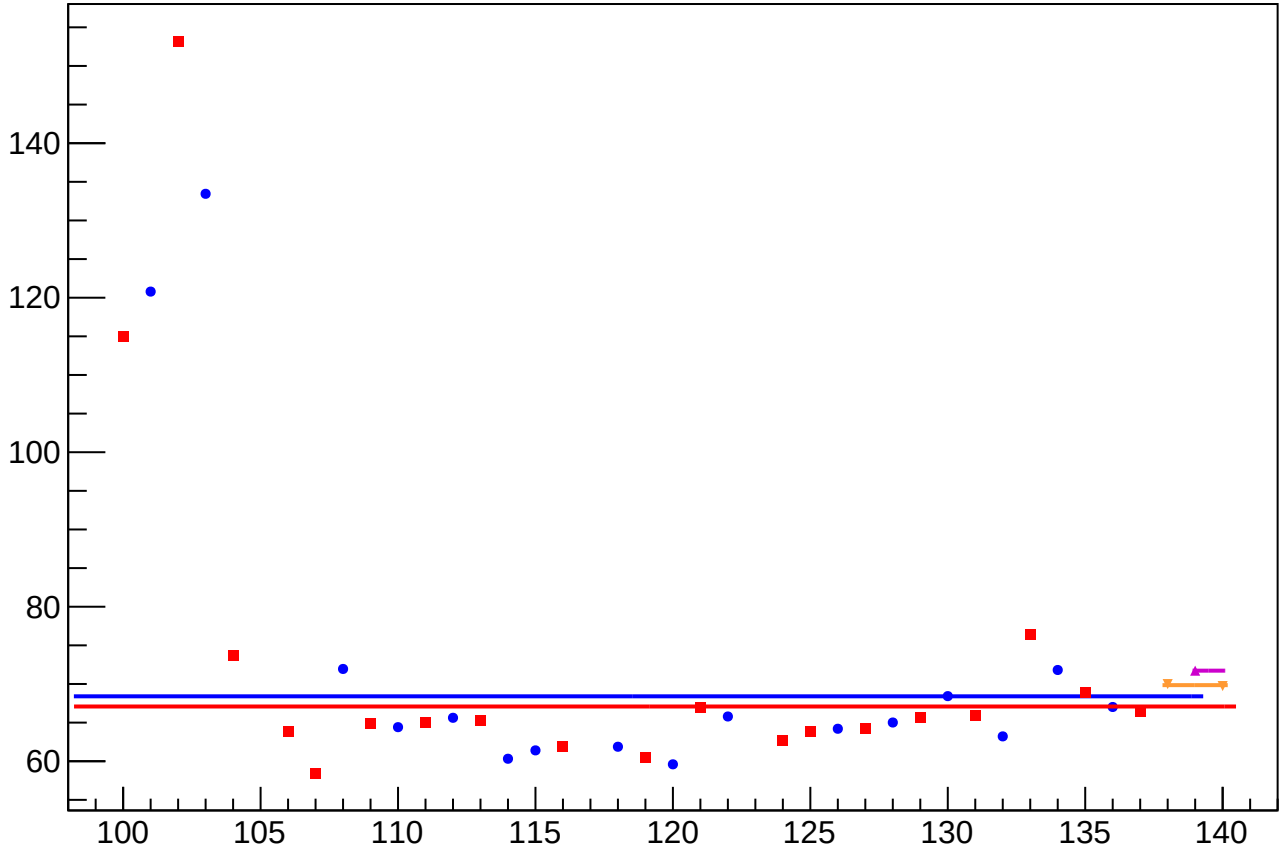
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: -39.076+/-24.710 χ^2/NDF:17.5/16

Out: -4.994+/-22.829 χ^2/NDF:37.6/20

All: -20.688+/-16.768 χ^2/NDF: 56.2/37

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 69.851+/-0.039 χ^2/NDF:10.9/1

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 71.724+/-0.055 χ^2/NDF:0.0/0

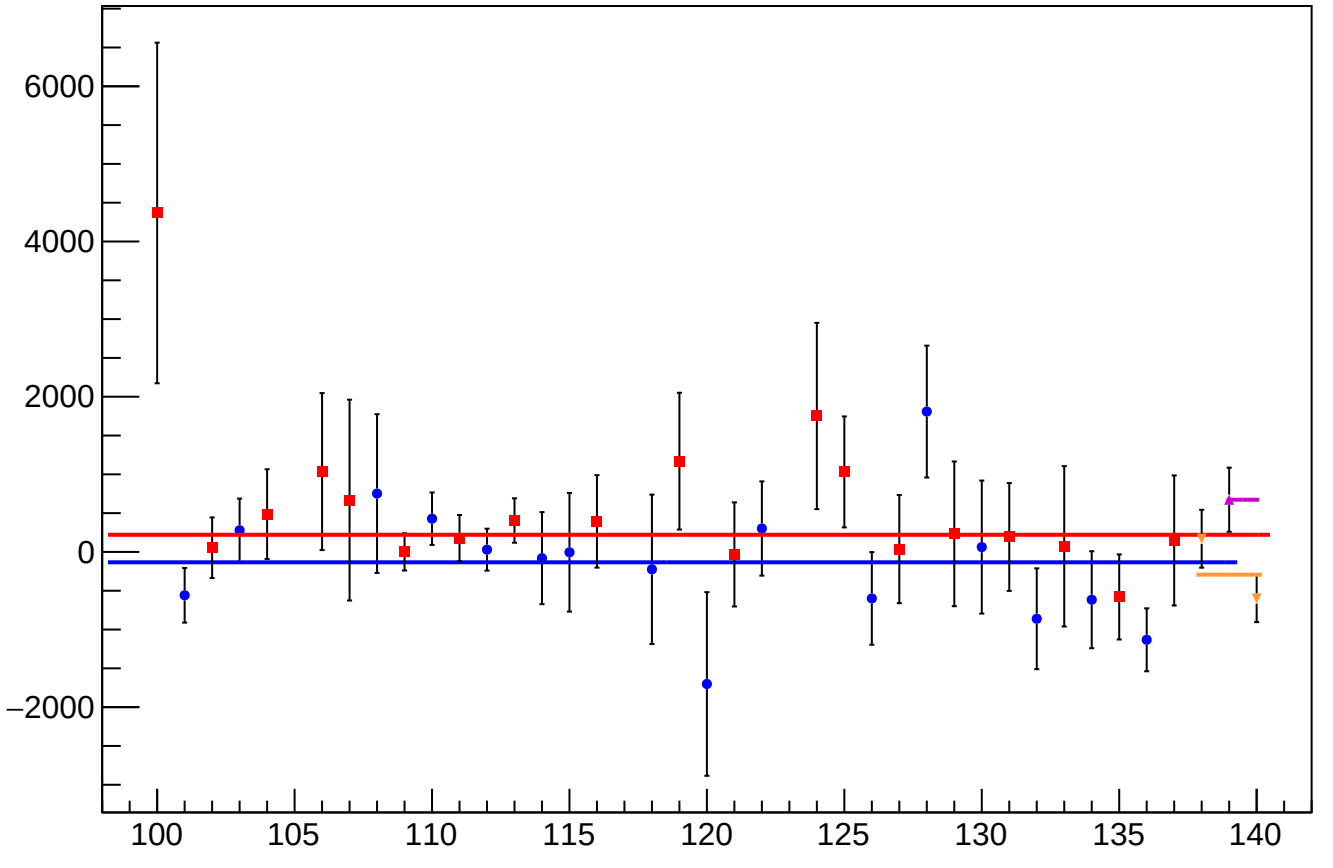
Left: 70.471+/-0.032 χ^2/NDF: 783.4/2

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 68.737+/-0.017 χ^2/NDF:572822.0/16

Out: 67.564+/-0.016 χ^2/NDF:486025.5/20

All: 68.104+/-0.012 χ^2/NDF: 1061276.9/37



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -292.740+/-235.648 χ^2/NDF:2.6/1

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 672.780+/-413.102 χ^2/NDF:0.0/0

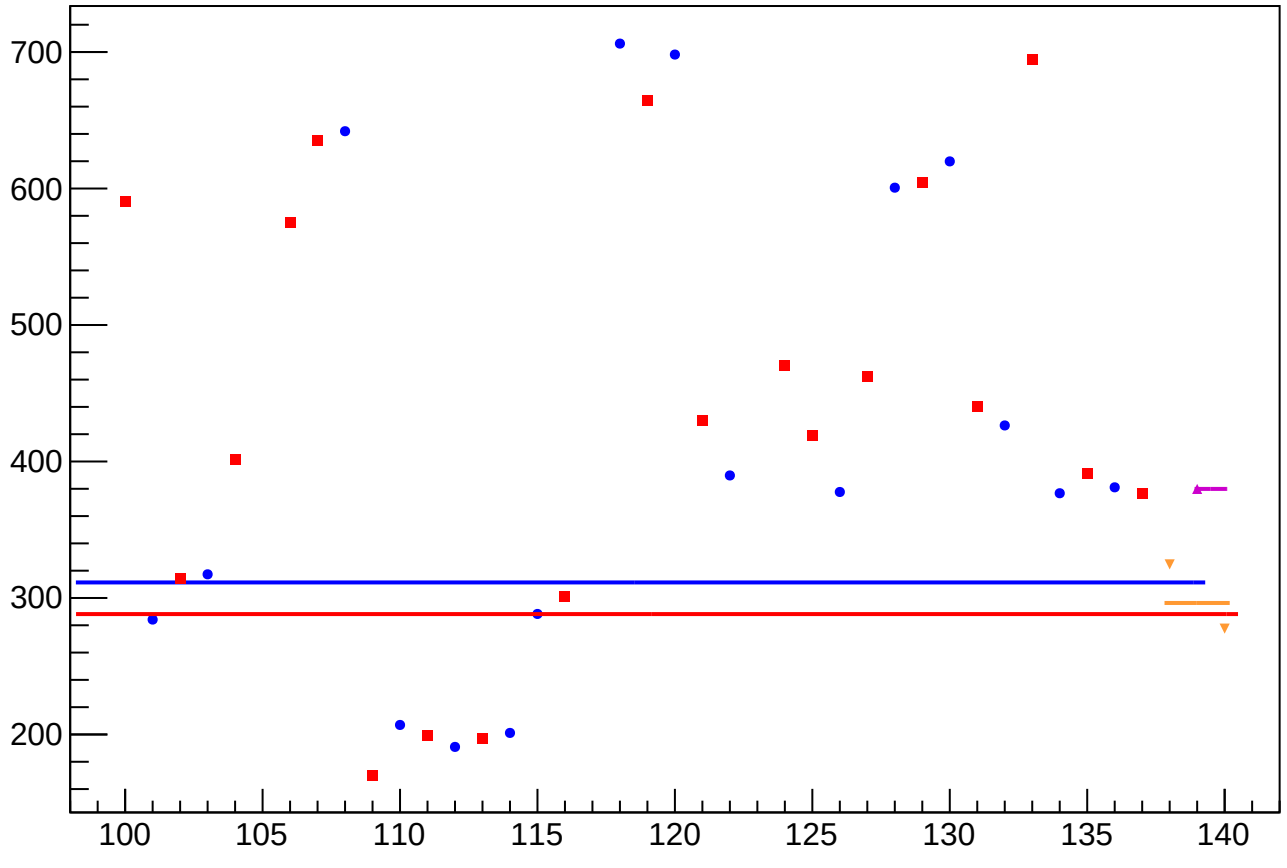
Left: -55.697+/-204.687 χ^2/NDF: 6.7/2

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -65.054+/-120.434 χ^2/NDF:26.0/16

Out: 118.569+/-105.355 χ^2/NDF:18.9/20

All: 38.966+/-79.296 χ^2/NDF: 46.2/37



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 296.347+/-0.167 χ^2/NDF:19144.2/1

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 379.911+/-0.292 χ^2/NDF:0.0/0

Left: 316.863+/-0.145 χ^2/NDF: 80890.5/2

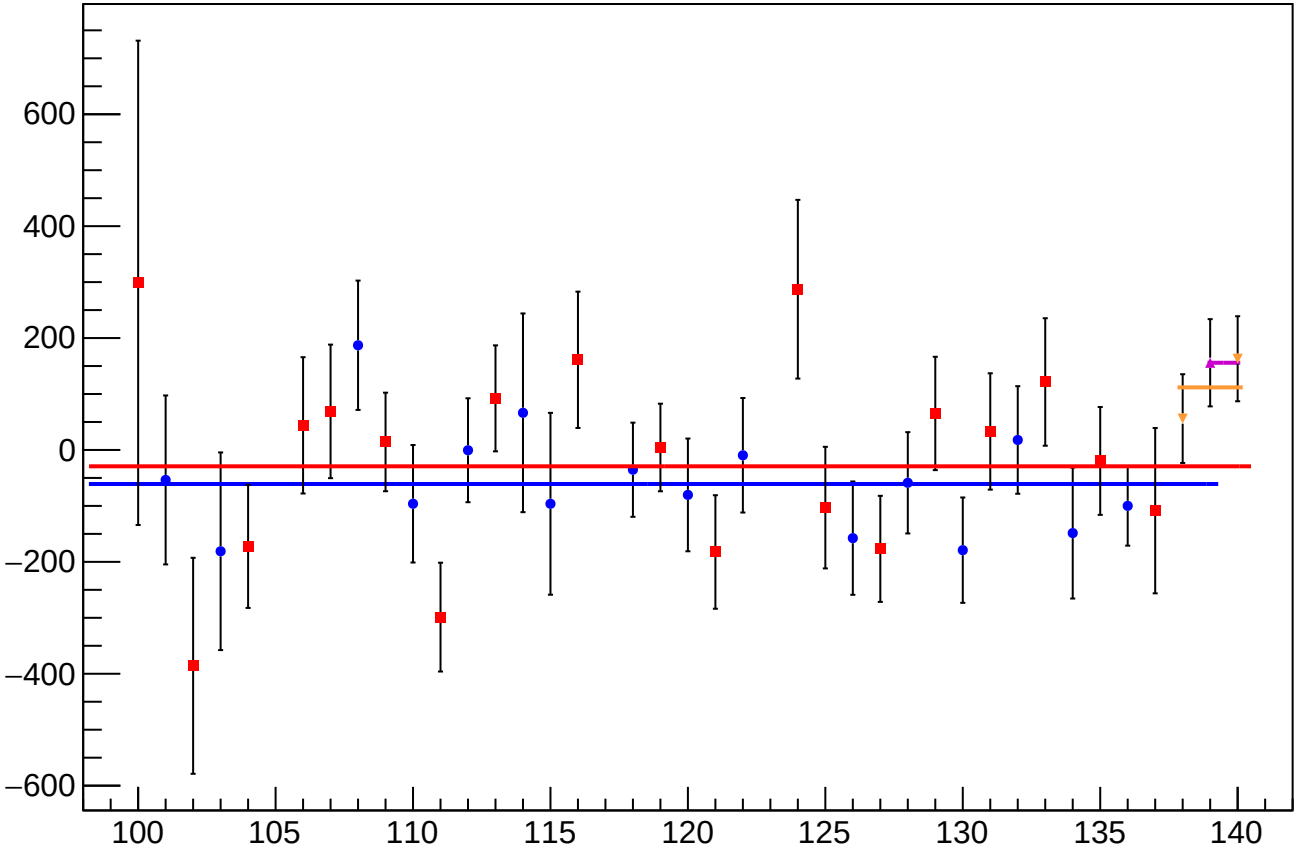
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 317.210+/-0.085 χ^2/NDF:2174152.0/16

Out: 289.832+/-0.074 χ^2/NDF:2736435.2/20

All: 301.701+/-0.056 χ^2/NDF: 4969136.8/37

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 111.826+/-54.866 χ^2/NDF:0.9/1

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 155.848+/-77.960 χ^2/NDF:0.0/0

Left: 126.407+/-44.868 χ^2/NDF: 1.2/2

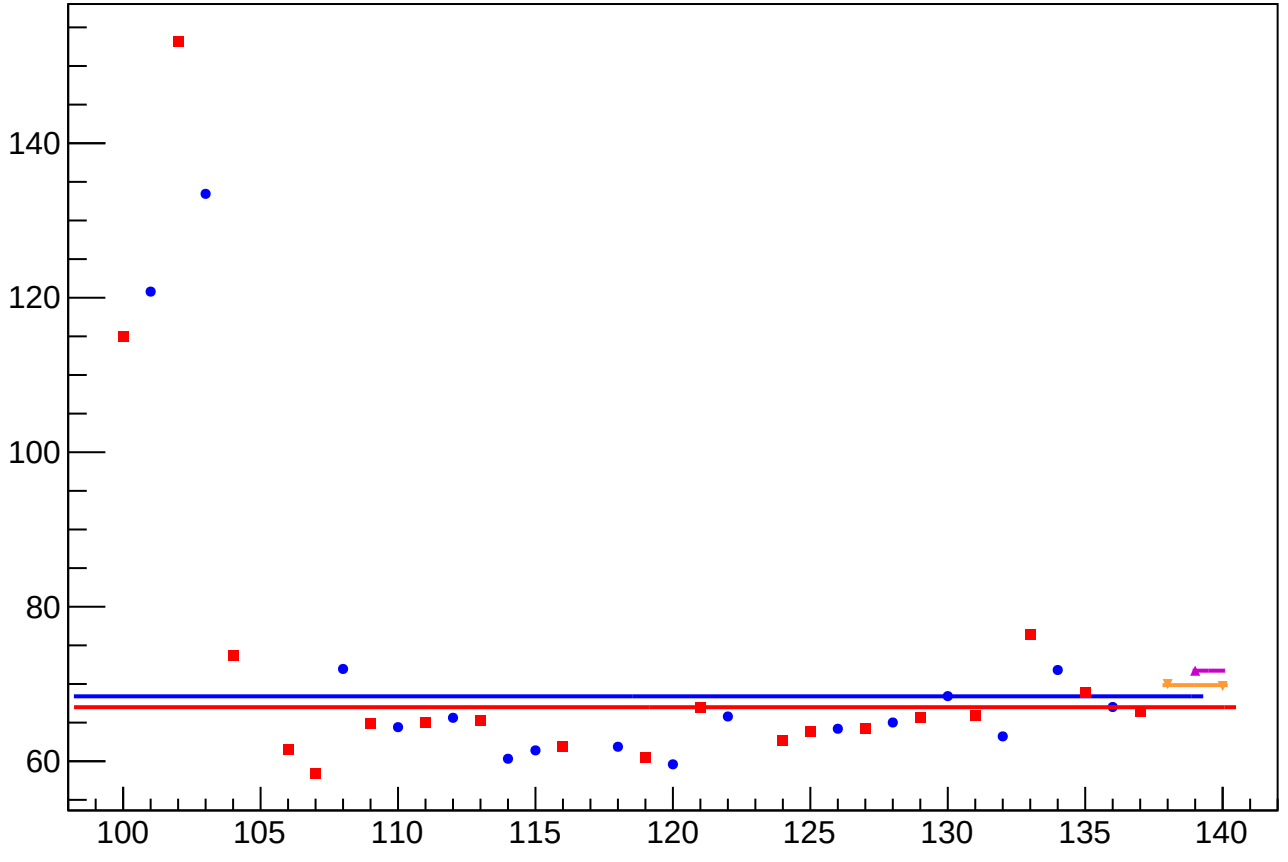
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: -39.078+/-24.710 χ^2/NDF:17.5/16

Out: -4.741+/-22.857 χ^2/NDF:37.7/20

All: -20.574+/-16.779 χ^2/NDF: 56.2/37

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 69.851+/-0.039 χ^2/NDF:10.9/1

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 71.724+/-0.055 χ^2/NDF:0.0/0

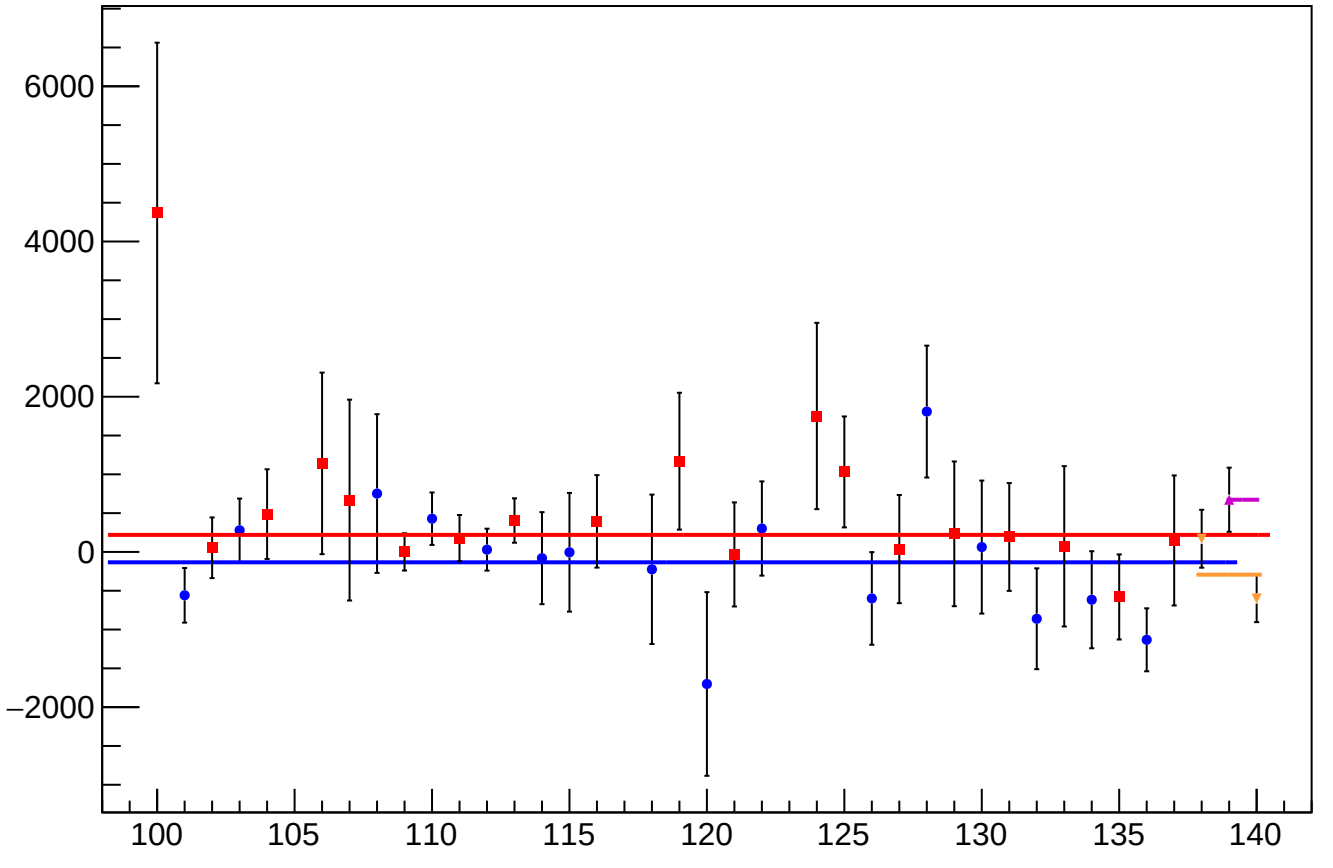
Left: 70.471+/-0.032 χ^2/NDF: 783.4/2

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 68.737+/-0.017 χ^2/NDF:572822.3/16

Out: 67.490+/-0.016 χ^2/NDF:488977.2/20

All: 68.065+/-0.012 χ^2/NDF: 1064542.6/37



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -292.737+/-235.647 χ^2/NDF:2.6/1

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 672.781+/-413.103 χ^2/NDF:0.0/0

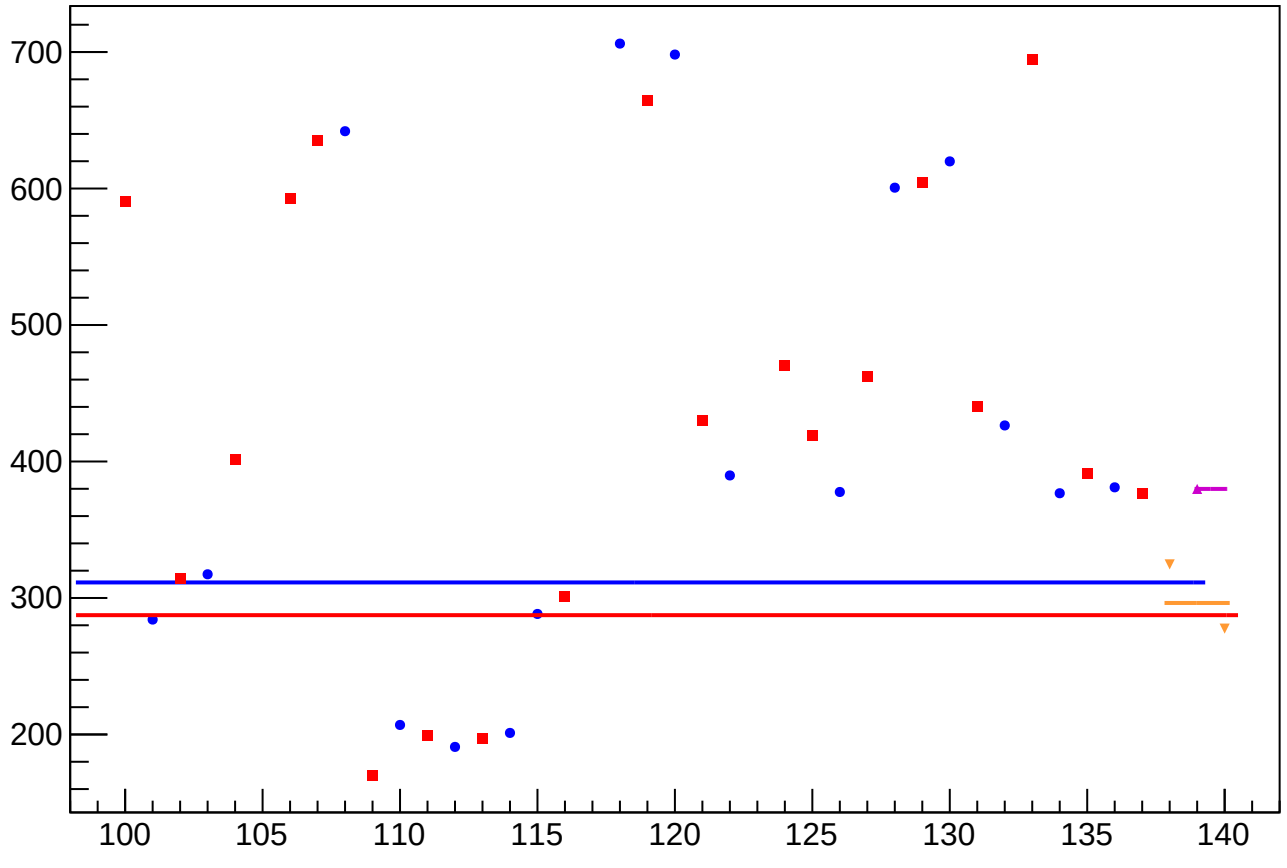
Left: -55.695+/-204.687 χ^2/NDF: 6.7/2

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -65.050+/-120.435 χ^2/NDF:26.0/16

Out: 116.914+/-105.503 χ^2/NDF:18.9/20

All: 37.905+/-79.359 χ^2/NDF: 46.1/37



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 296.346+/-0.167 χ^2/NDF:19143.6/1

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 379.912+/-0.292 χ^2/NDF:0.0/0

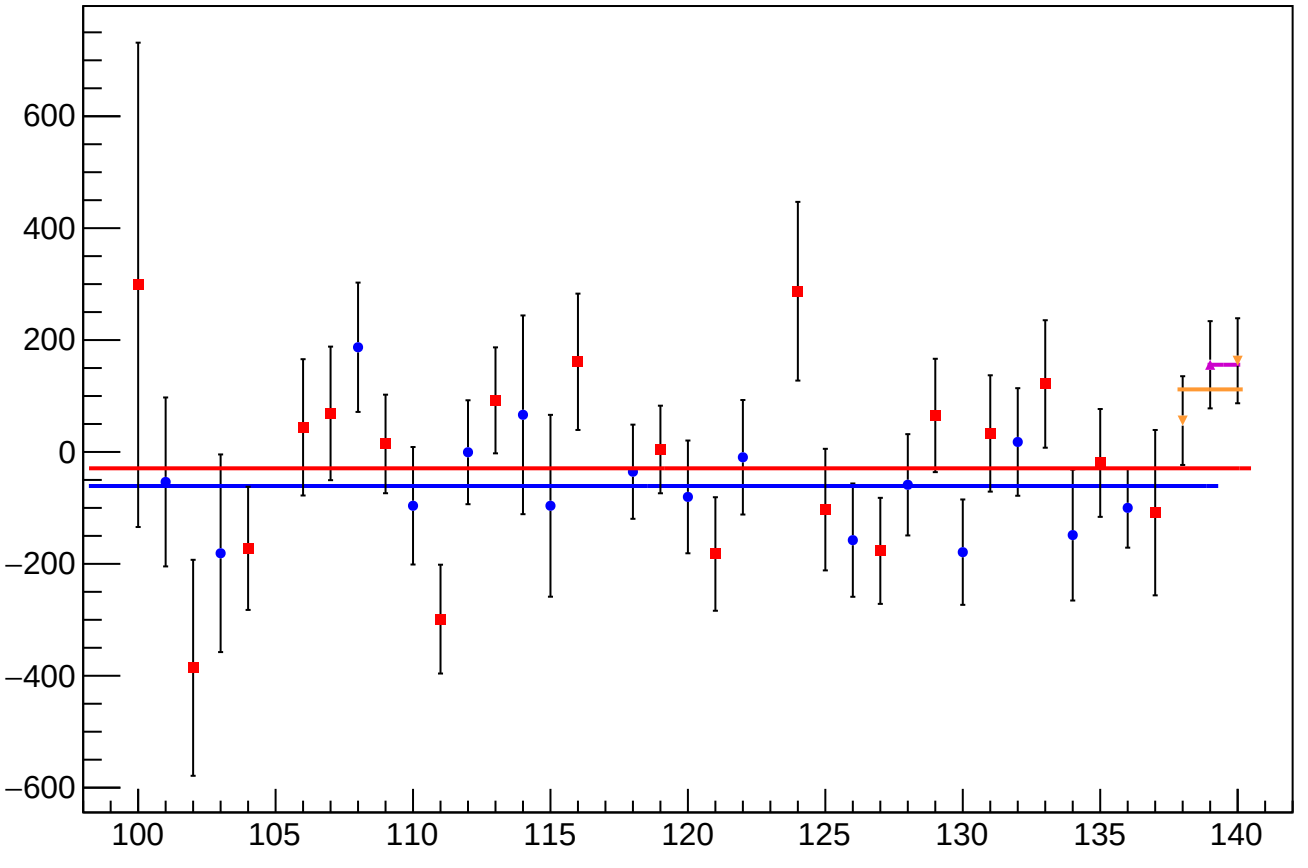
Left: 316.862+/-0.145 χ^2/NDF: 80891.6/2

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 317.212+/-0.085 χ^2/NDF:2174151.0/16

Out: 289.204+/-0.075 χ^2/NDF:2711699.6/20

All: 301.365+/-0.056 χ^2/NDF: 4947052.8/37



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 111.826+/-54.866 χ^2/NDF:0.9/1

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 155.848+/-77.960 χ^2/NDF:0.0/0

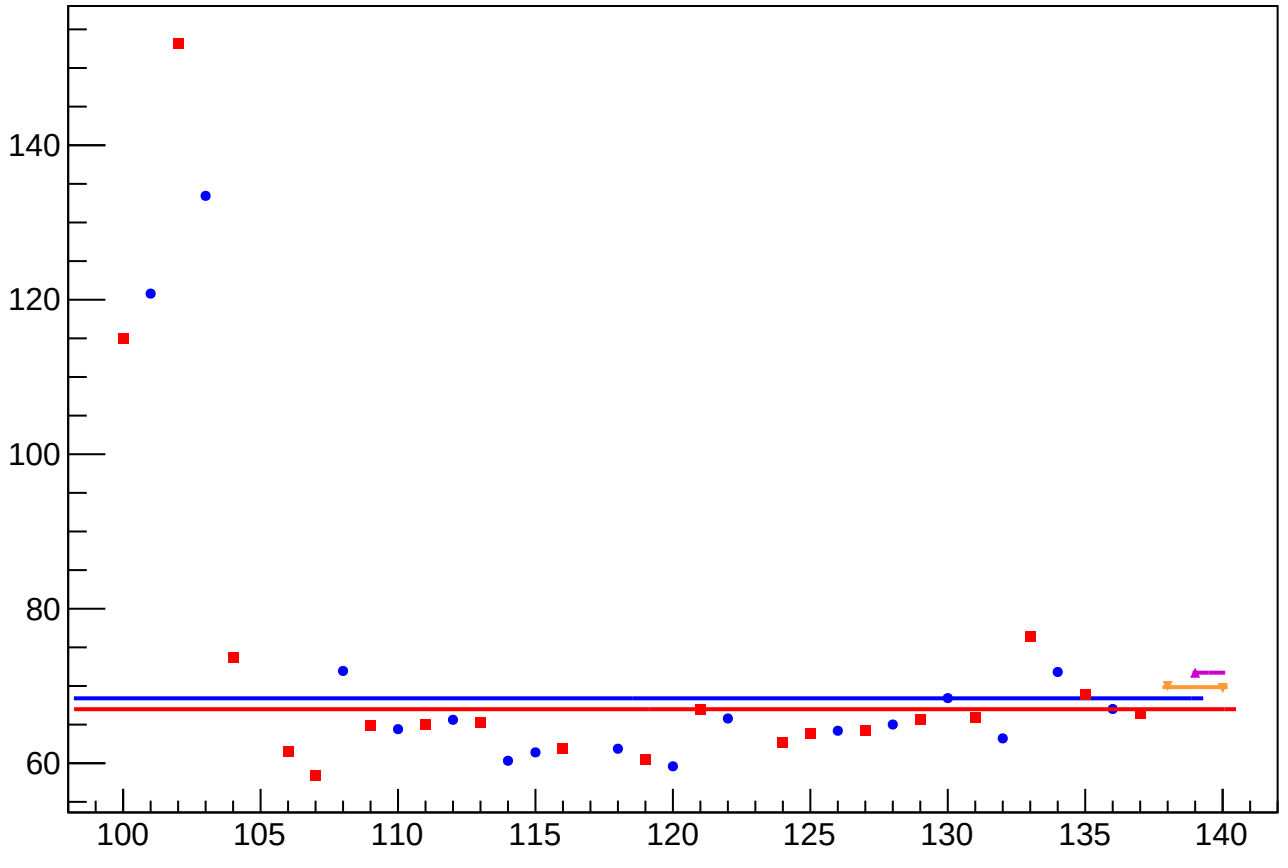
Left: 126.407+/-44.868 χ^2/NDF: 1.2/2

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: -39.078+/-24.710 χ^2/NDF:17.5/16

Out: -4.741+/-22.857 χ^2/NDF:37.7/20

All: -20.574+/-16.779 χ^2/NDF: 56.2/37



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 69.851+/-0.039 χ^2/NDF:10.9/1

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 71.724+/-0.055 χ^2/NDF:0.0/0

Left: 70.471+/-0.032 χ^2/NDF: 783.4/2

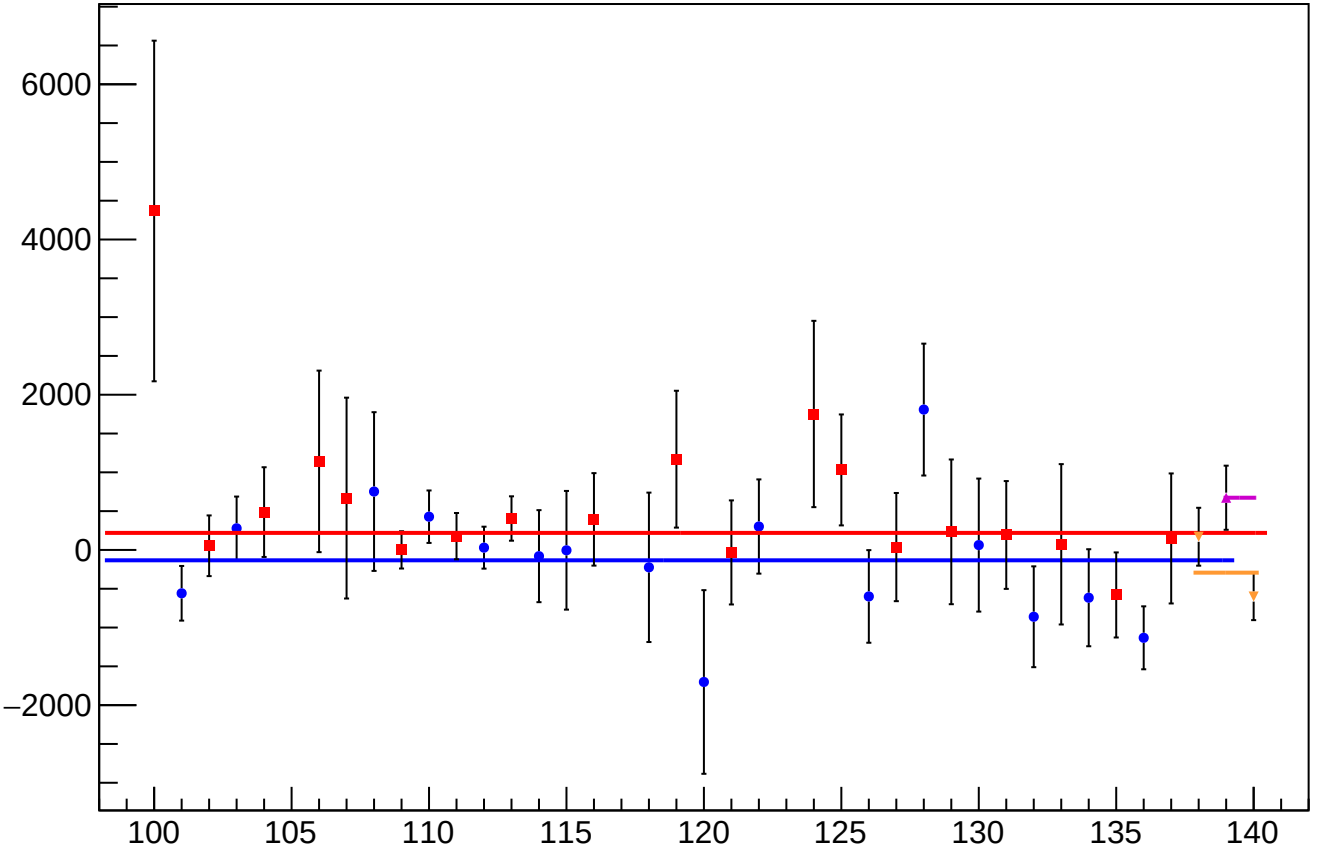
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 68.737+/-0.017 χ^2/NDF:572822.3/16

Out: 67.490+/-0.016 χ^2/NDF:488977.2/20

All: 68.065+/-0.012 χ^2/NDF: 1064542.6/37

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -292.737+/-235.647 χ^2/NDF:2.6/1

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 672.781+/-413.103 χ^2/NDF:0.0/0

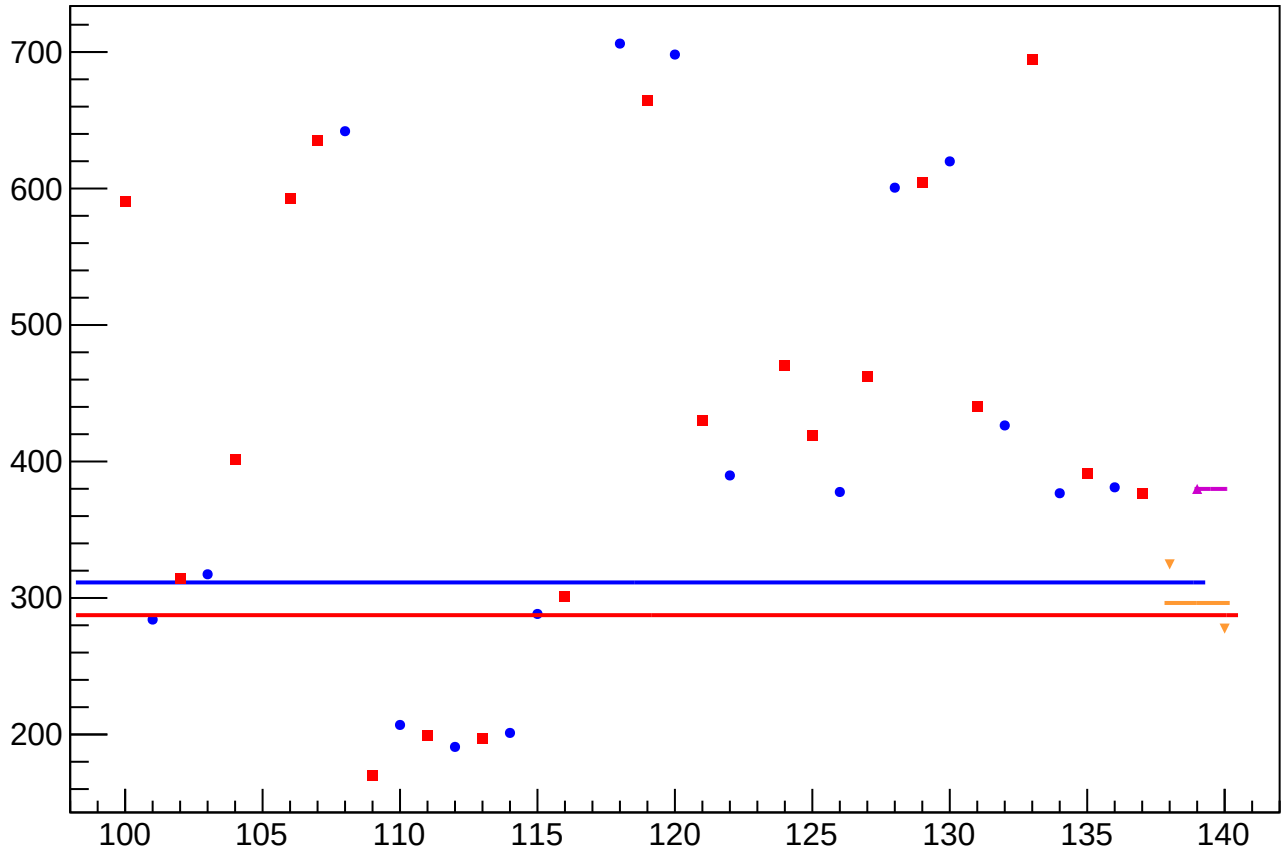
Left: -55.695+/-204.687 χ^2/NDF: 6.7/2

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -65.050+/-120.435 χ^2/NDF:26.0/16

Out: 116.914+/-105.503 χ^2/NDF:18.9/20

All: 37.905+/-79.359 χ^2/NDF: 46.1/37



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 296.346+/-0.167 χ^2/NDF:19143.6/1

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 379.912+/-0.292 χ^2/NDF:0.0/0

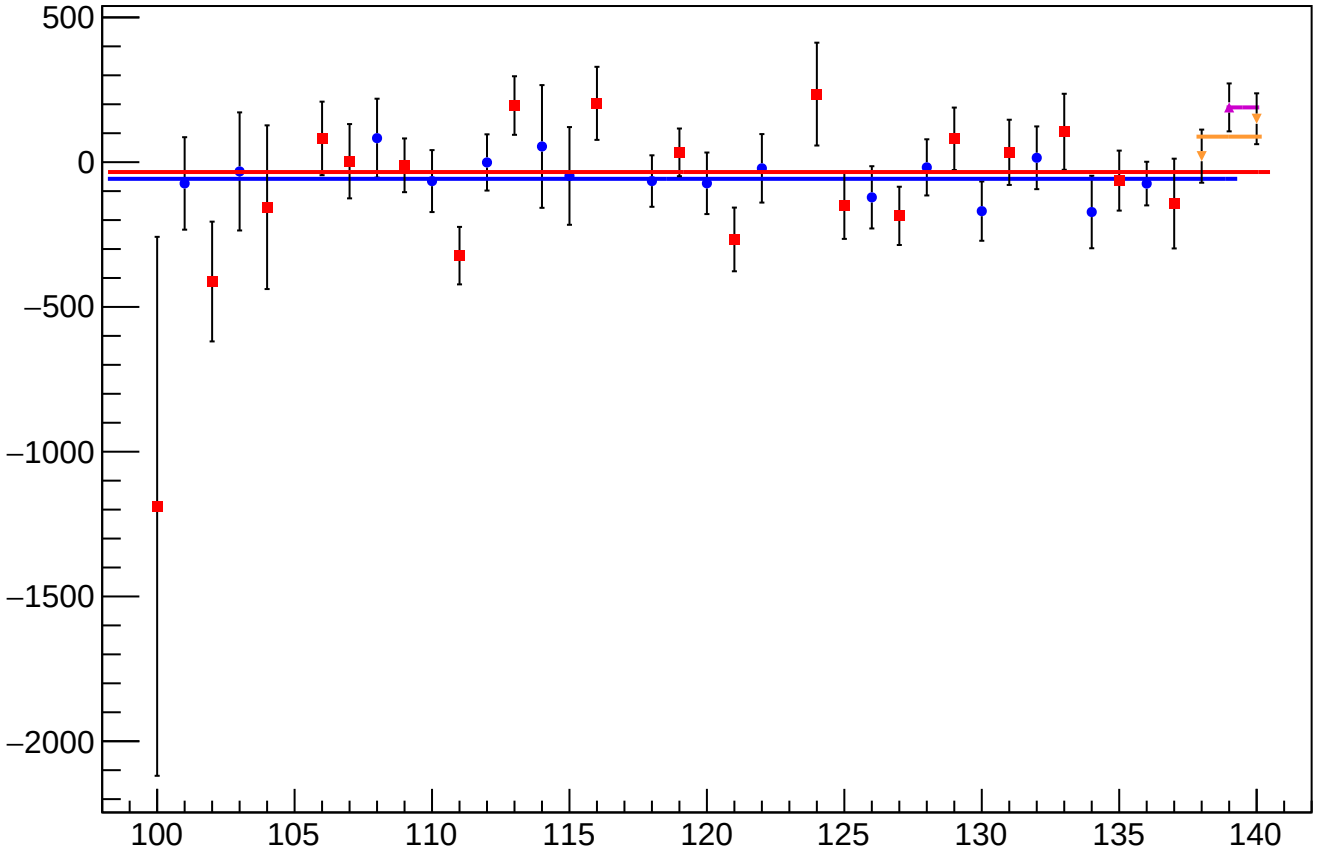
Left: 316.862+/-0.145 χ^2/NDF: 80891.6/2

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 317.212+/-0.085 χ^2/NDF:2174151.0/16

Out: 289.204+/-0.075 χ^2/NDF:2711699.6/20

All: 301.365+/-0.056 χ^2/NDF: 4947052.8/37



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 88.175+/-63.427 χ^2/NDF:1.0/1

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 189.176+/-82.768 χ^2/NDF:0.0/0

Left: 125.543+/-50.344 χ^2/NDF: 2.0/2

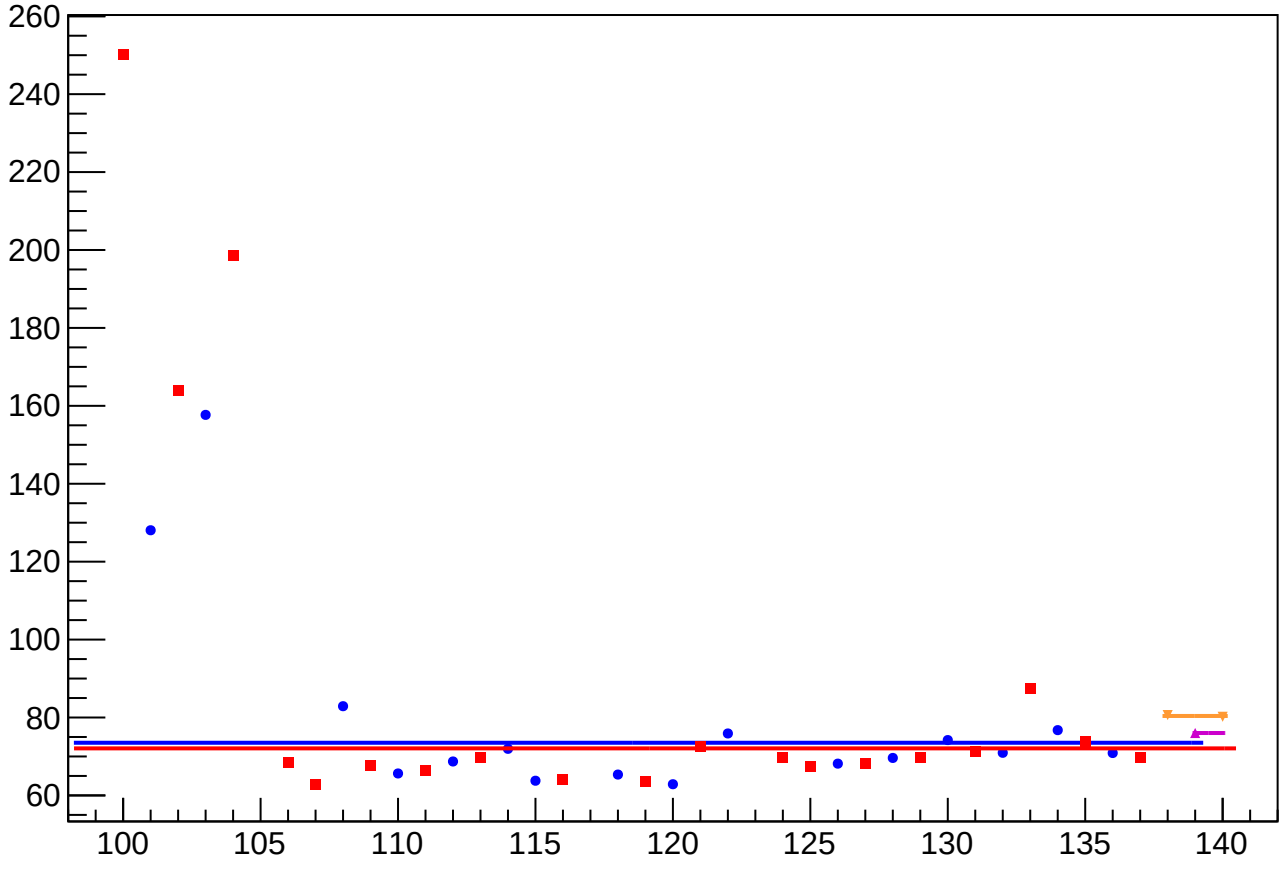
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: -32.057+/-26.597 χ^2/NDF:12.8/16

Out: -14.815+/-25.152 χ^2/NDF:41.3/20

All: -22.955+/-18.275 χ^2/NDF: 54.4/37

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 80.395+/-0.045 χ^2/NDF:23.9/1

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 76.021+/-0.059 χ^2/NDF:0.0/0

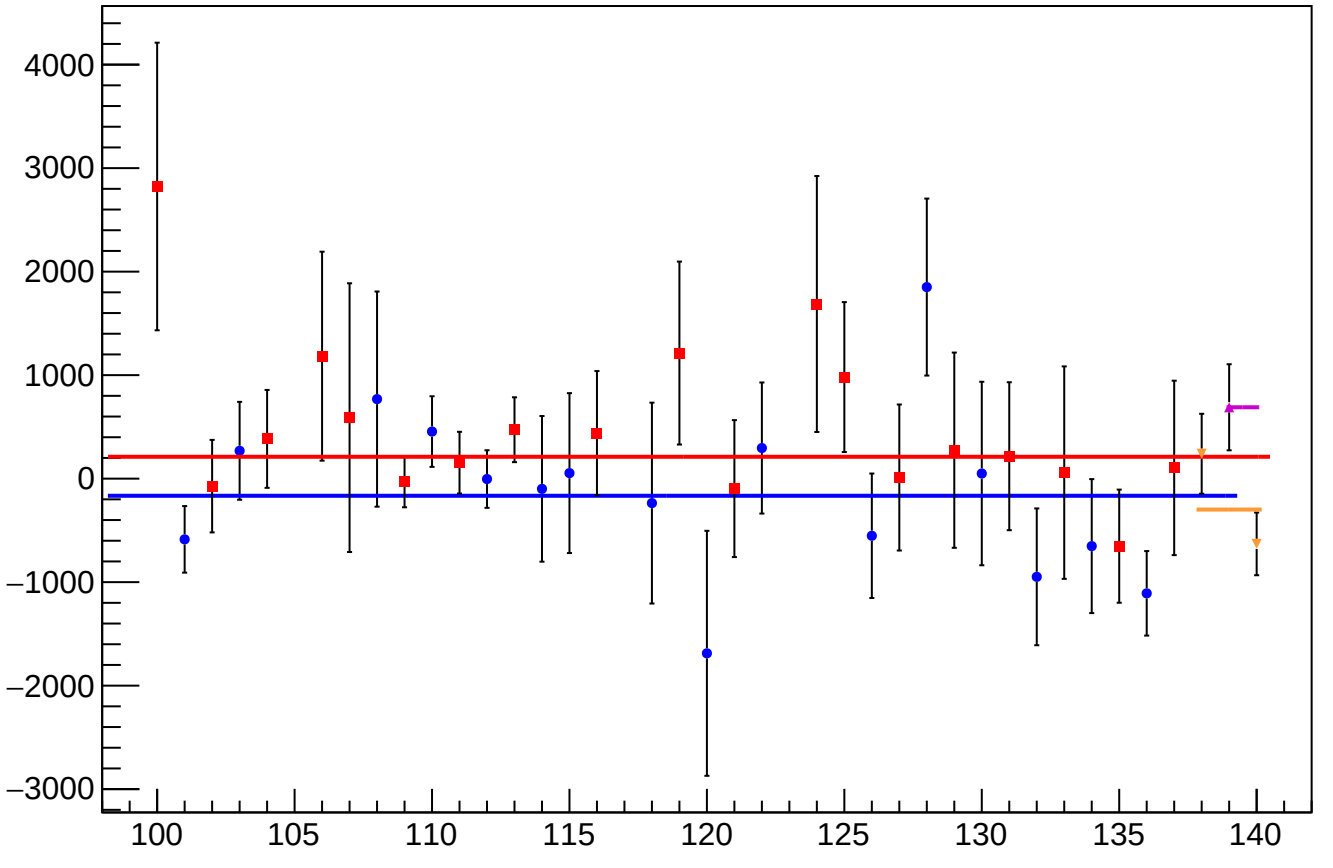
Left: 78.777+/-0.036 χ^2/NDF: 3543.6/2

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 73.777+/-0.019 χ^2/NDF:658486.1/16

Out: 73.382+/-0.018 χ^2/NDF:987530.2/20

All: 73.569+/-0.013 χ^2/NDF: 1646249.0/37



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -298.741+/-238.201 χ^2/NDF:3.2/1

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 689.489+/-415.768 χ^2/NDF:0.0/0

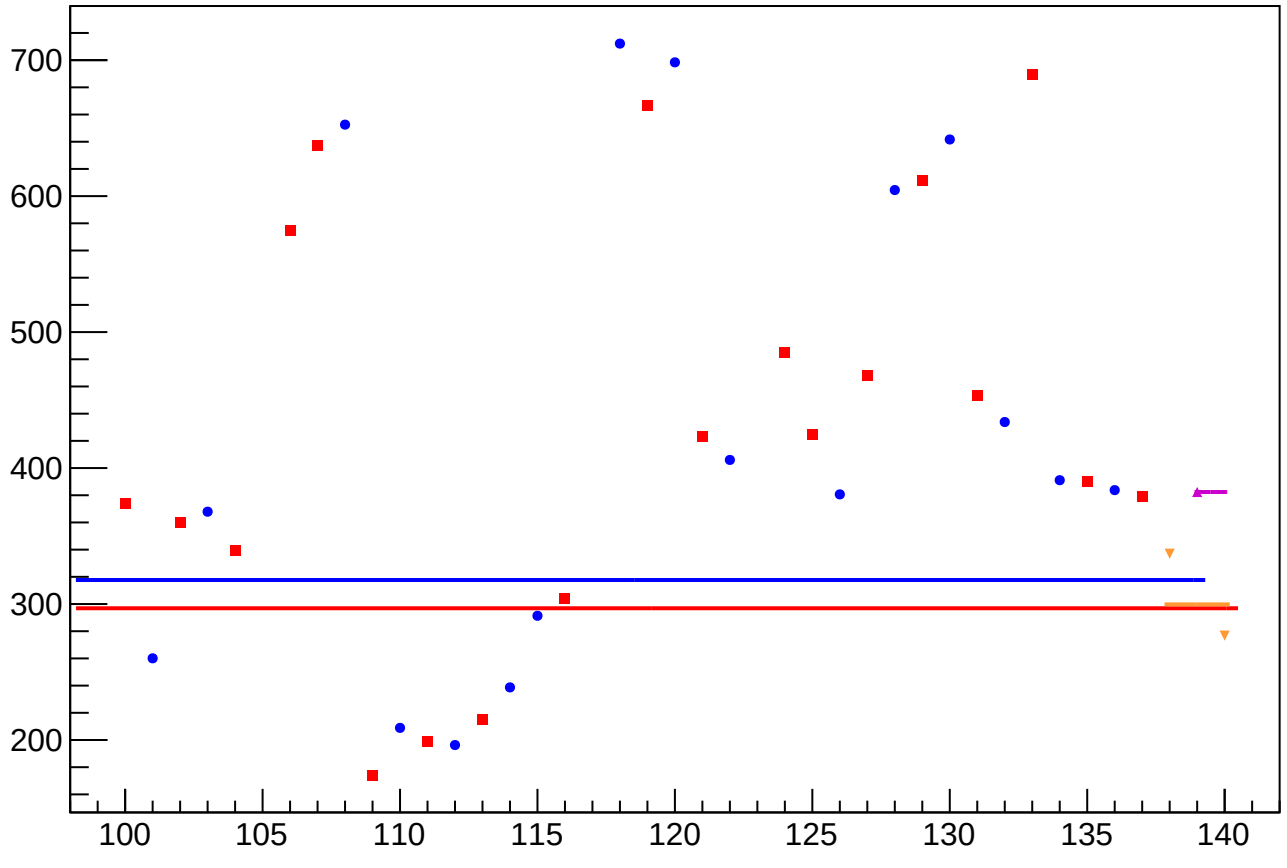
Left: -54.529+/-206.683 χ^2/NDF: 7.4/2

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -91.017+/-122.716 χ^2/NDF:26.5/16

Out: 107.929+/-107.256 χ^2/NDF:20.4/20

All: 21.770+/-80.757 χ^2/NDF: 48.4/37



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 299.712+/-0.168 χ^2/NDF:30162.4/1

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 382.387+/-0.294 χ^2/NDF:0.0/0

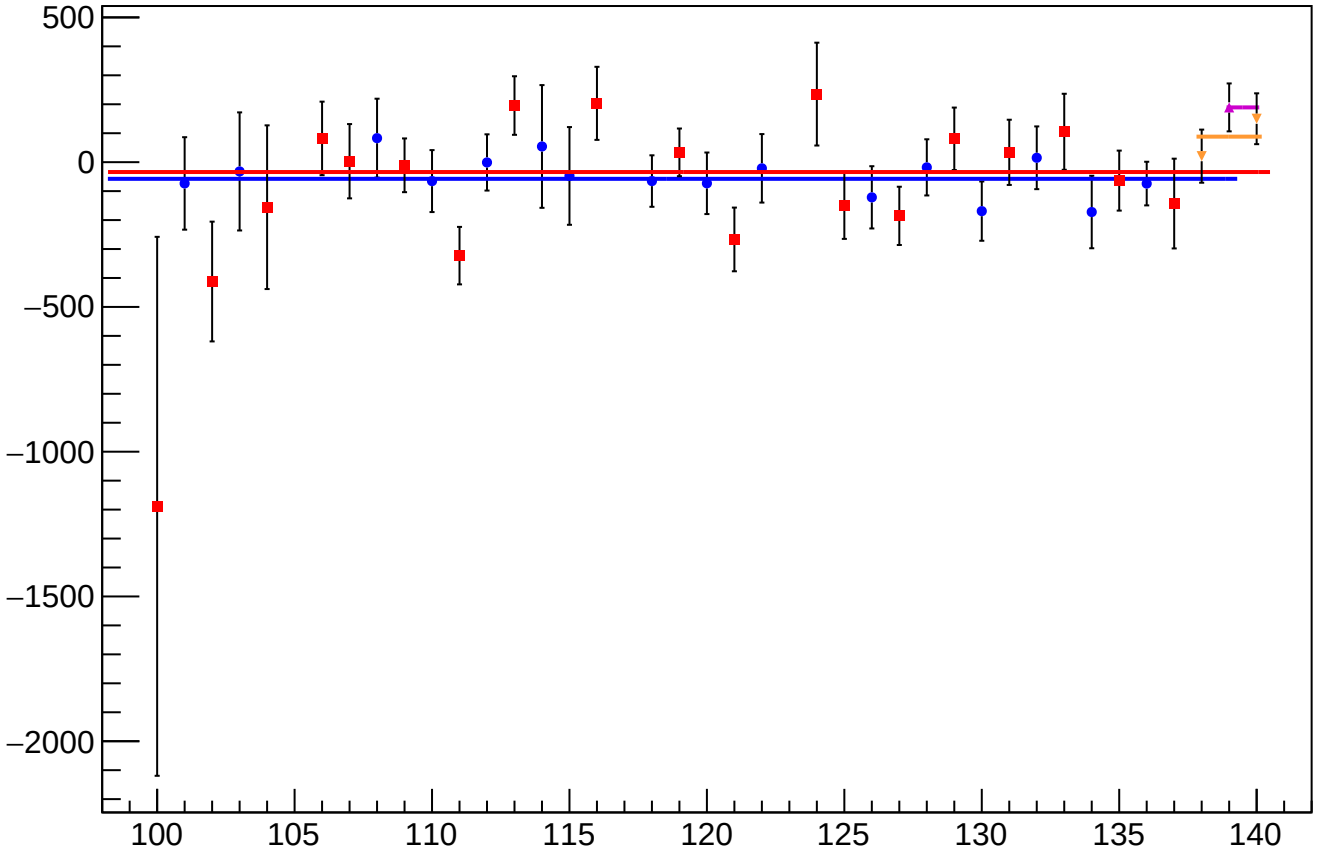
Left: 320.143+/-0.146 χ^2/NDF: 89701.6/2

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 323.302+/-0.087 χ^2/NDF:2180438.1/16

Out: 297.461+/-0.076 χ^2/NDF:2571426.8/20

All: 308.652+/-0.057 χ^2/NDF: 4802145.1/37



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 88.173+/-63.427 χ^2/NDF:1.0/1

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 189.176+/-82.768 χ^2/NDF:0.0/0

Left: 125.542+/-50.344 χ^2/NDF: 2.0/2

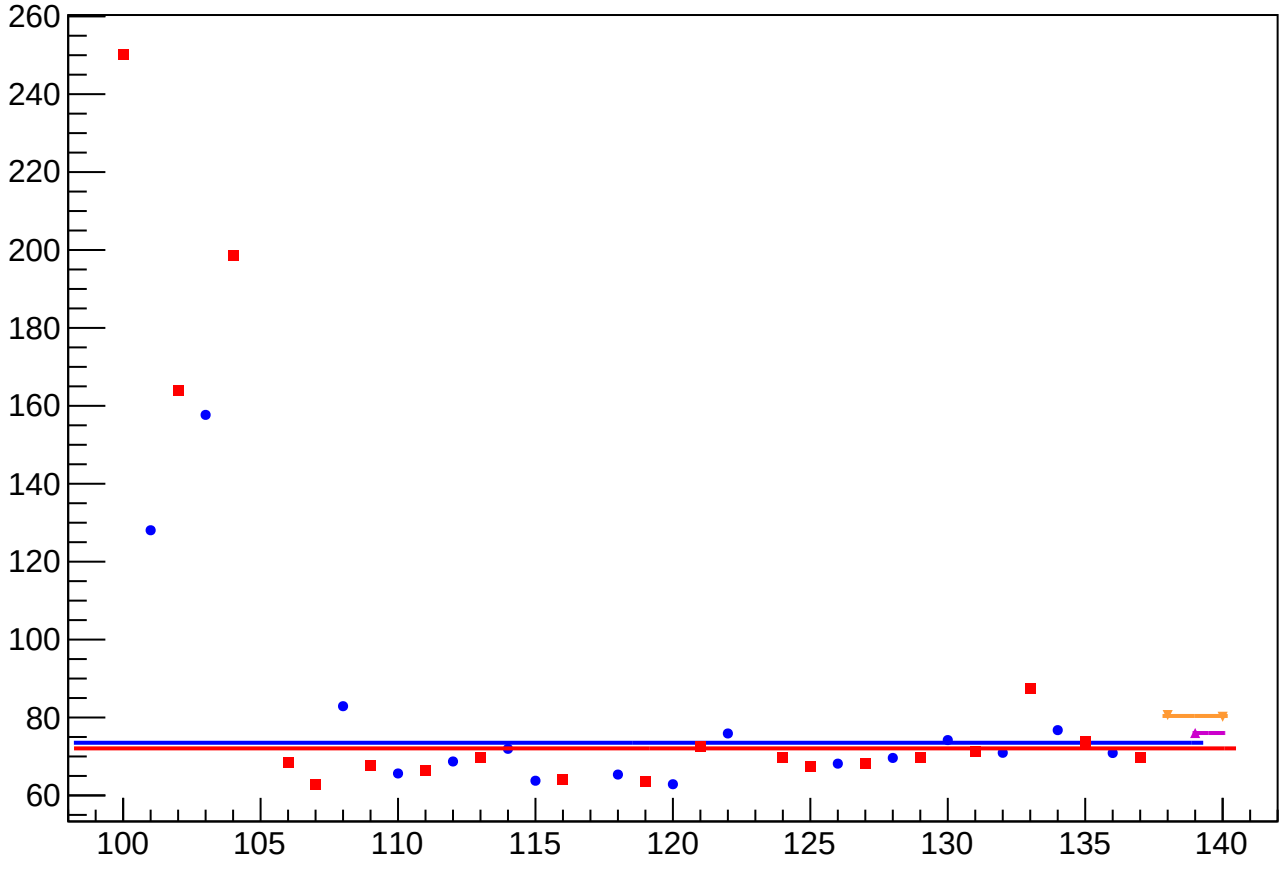
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: -32.056+/-26.597 χ^2/NDF:12.8/16

Out: -14.817+/-25.152 χ^2/NDF:41.3/20

All: -22.955+/-18.275 χ^2/NDF: 54.4/37

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 80.395+/-0.045 χ^2/NDF:23.9/1

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 76.021+/-0.059 χ^2/NDF:0.0/0

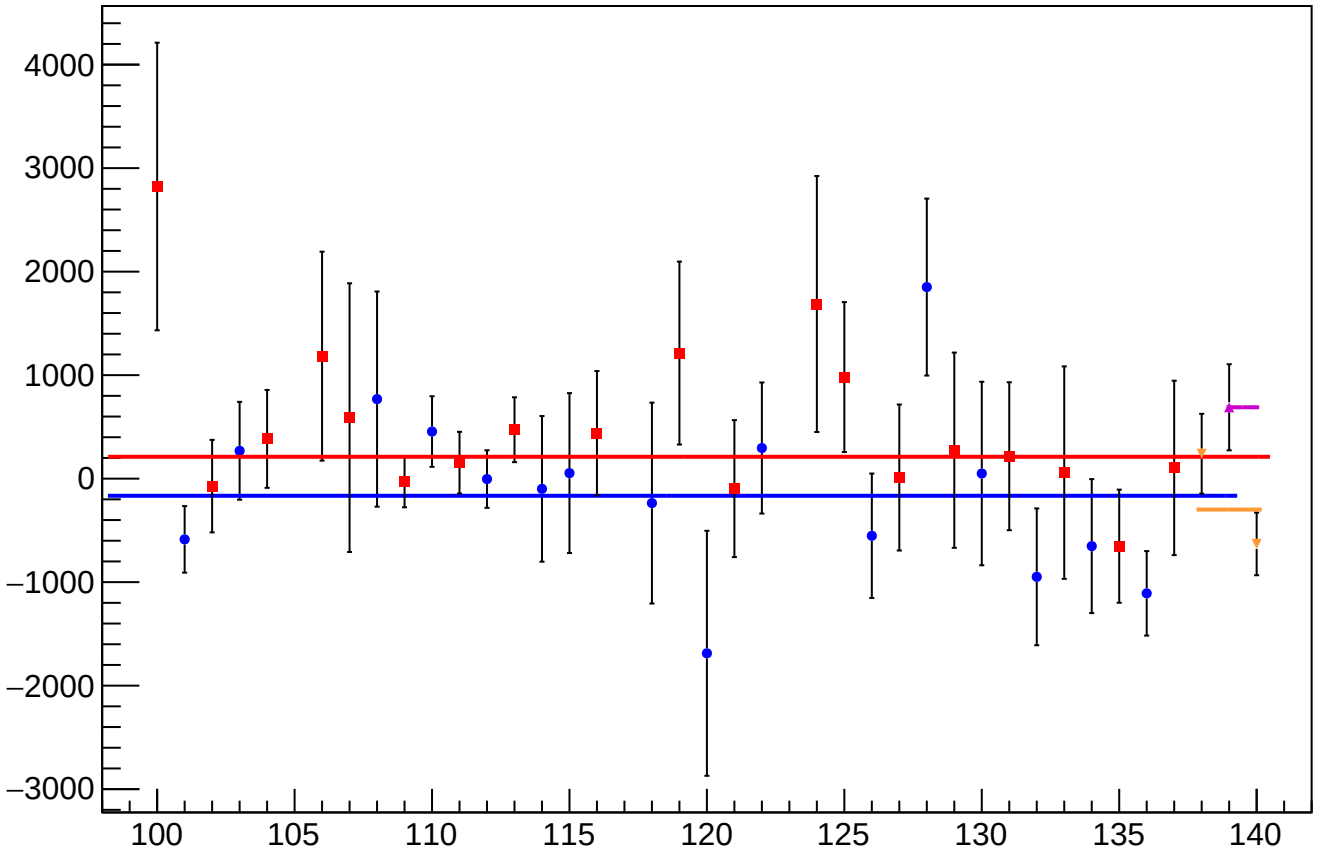
Left: 78.777+/-0.036 χ^2/NDF: 3543.6/2

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 73.777+/-0.019 χ^2/NDF:658487.9/16

Out: 73.382+/-0.018 χ^2/NDF:987531.9/20

All: 73.569+/-0.013 χ^2/NDF: 1646252.5/37



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -298.742+/-238.201 χ^2/NDF:3.2/1

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 689.488+/-415.768 χ^2/NDF:0.0/0

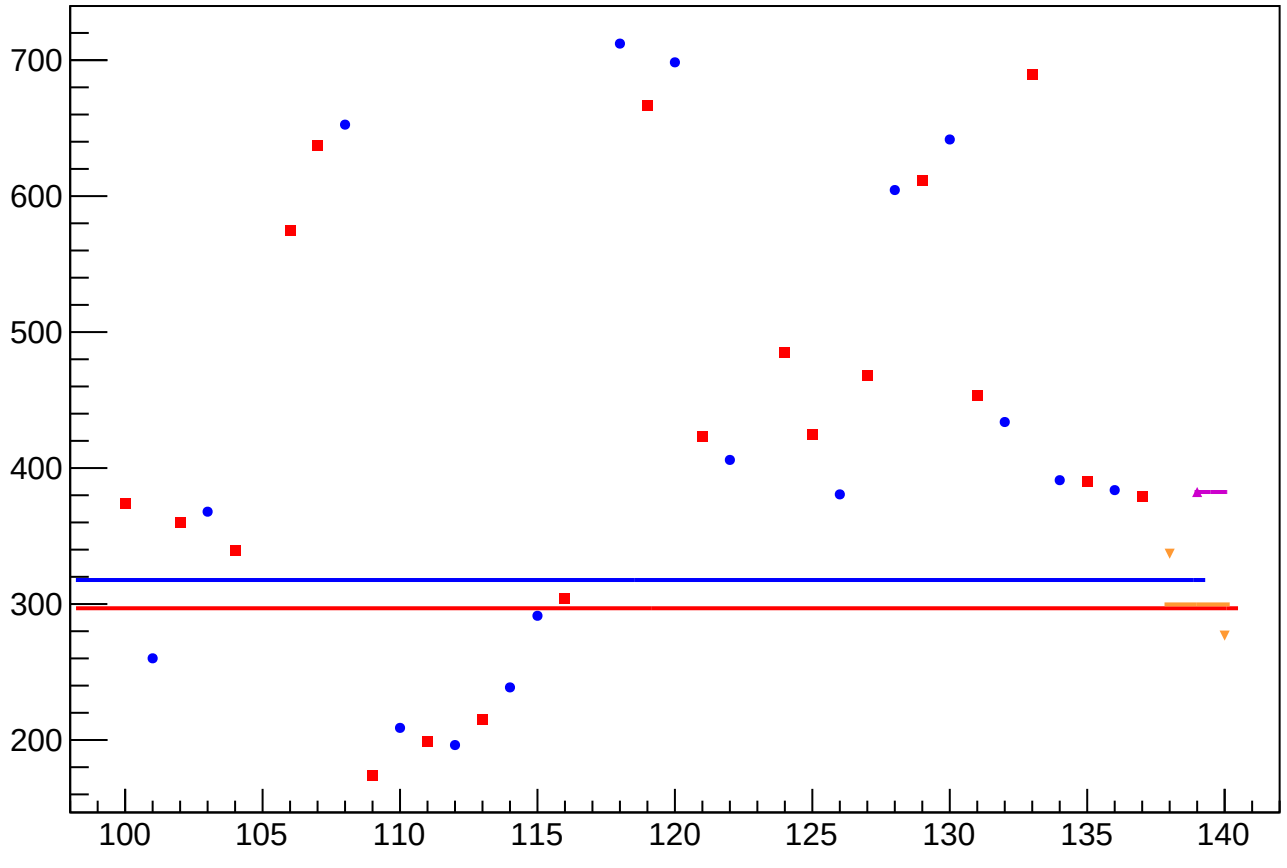
Left: -54.530+/-206.683 χ^2/NDF: 7.4/2

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -91.016+/-122.715 χ^2/NDF:26.5/16

Out: 107.928+/-107.255 χ^2/NDF:20.4/20

All: 21.770+/-80.757 χ^2/NDF: 48.4/37



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 299.712+/-0.168 χ^2/NDF:30161.9/1

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 382.387+/-0.294 χ^2/NDF:0.0/0

Left: 320.143+/-0.146 χ^2/NDF: 89700.5/2

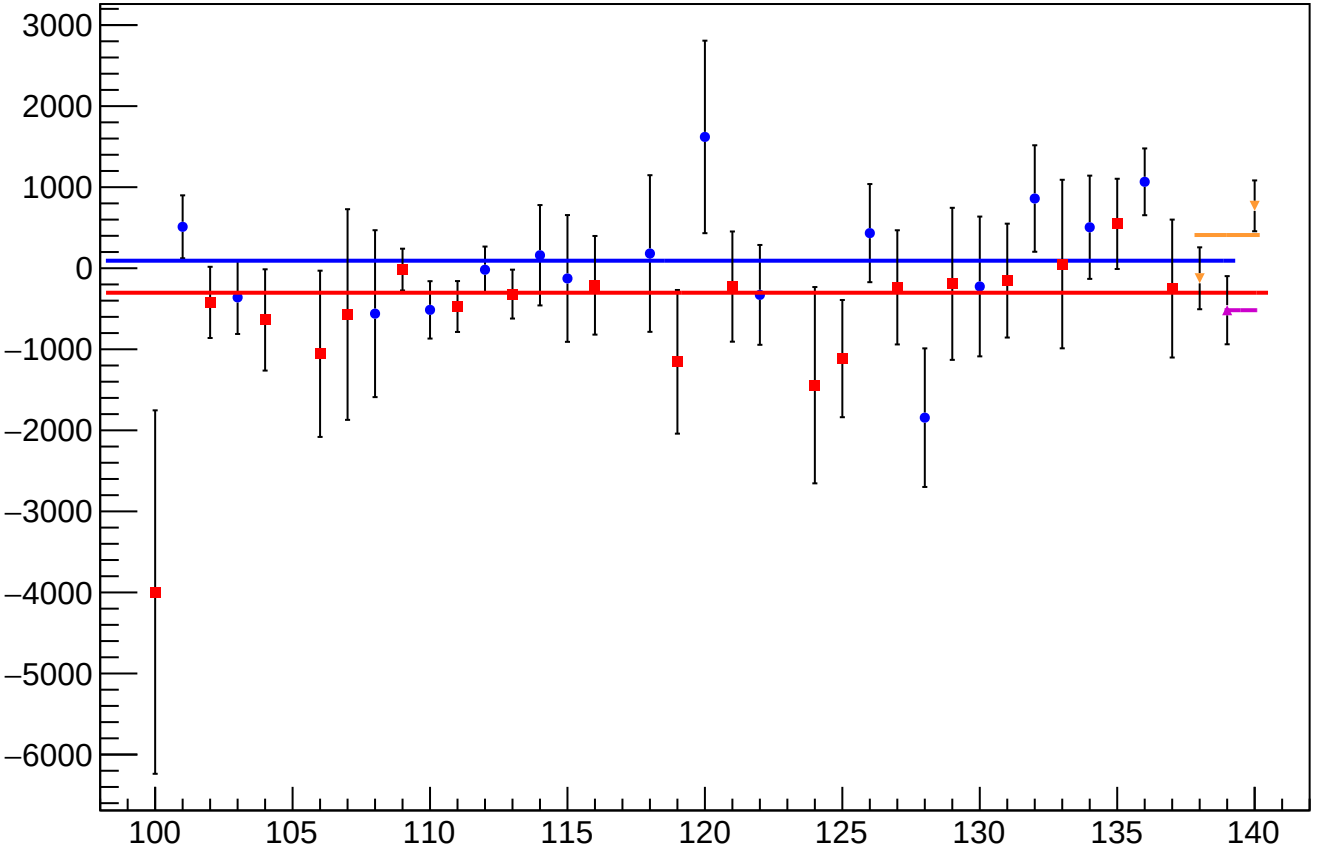
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 323.300+/-0.087 χ^2/NDF:2180472.5/16

Out: 297.459+/-0.076 χ^2/NDF:2571437.5/20

All: 308.650+/-0.057 χ^2/NDF: 4802186.2/37

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 409.805+/-242.381 χ^2/NDF:3.3/1

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: -517.815+/-420.417 χ^2/NDF:0.0/0

Left: 178.396+/-209.983 χ^2/NDF: 6.9/2

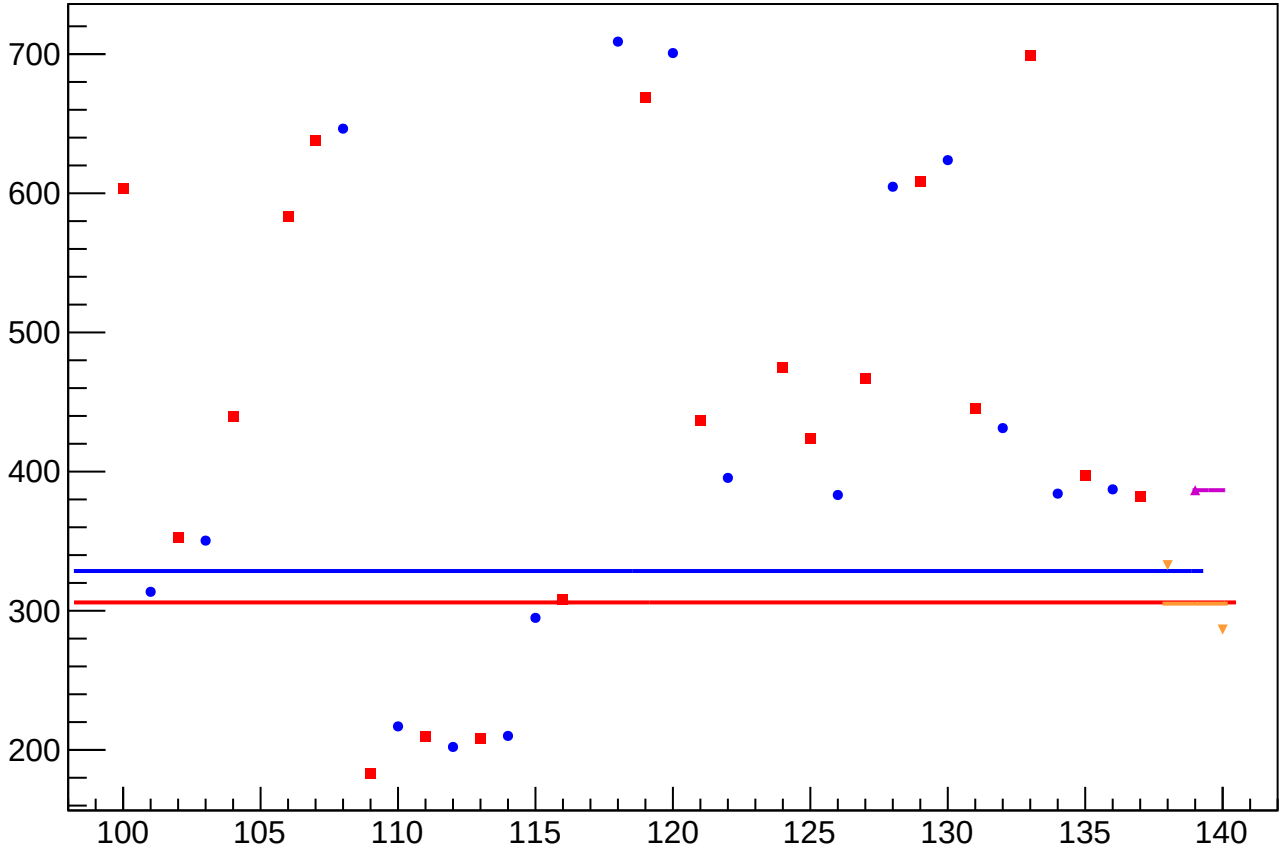
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 38.065+/-125.875 χ^2/NDF:22.7/16

Out: -154.721+/-110.333 χ^2/NDF:20.9/20

All: -70.958+/-82.971 χ^2/NDF: 45.0/37

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 305.129+/-0.171 χ^2/NDF:17531.7/1

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 386.648+/-0.297 χ^2/NDF:0.0/0

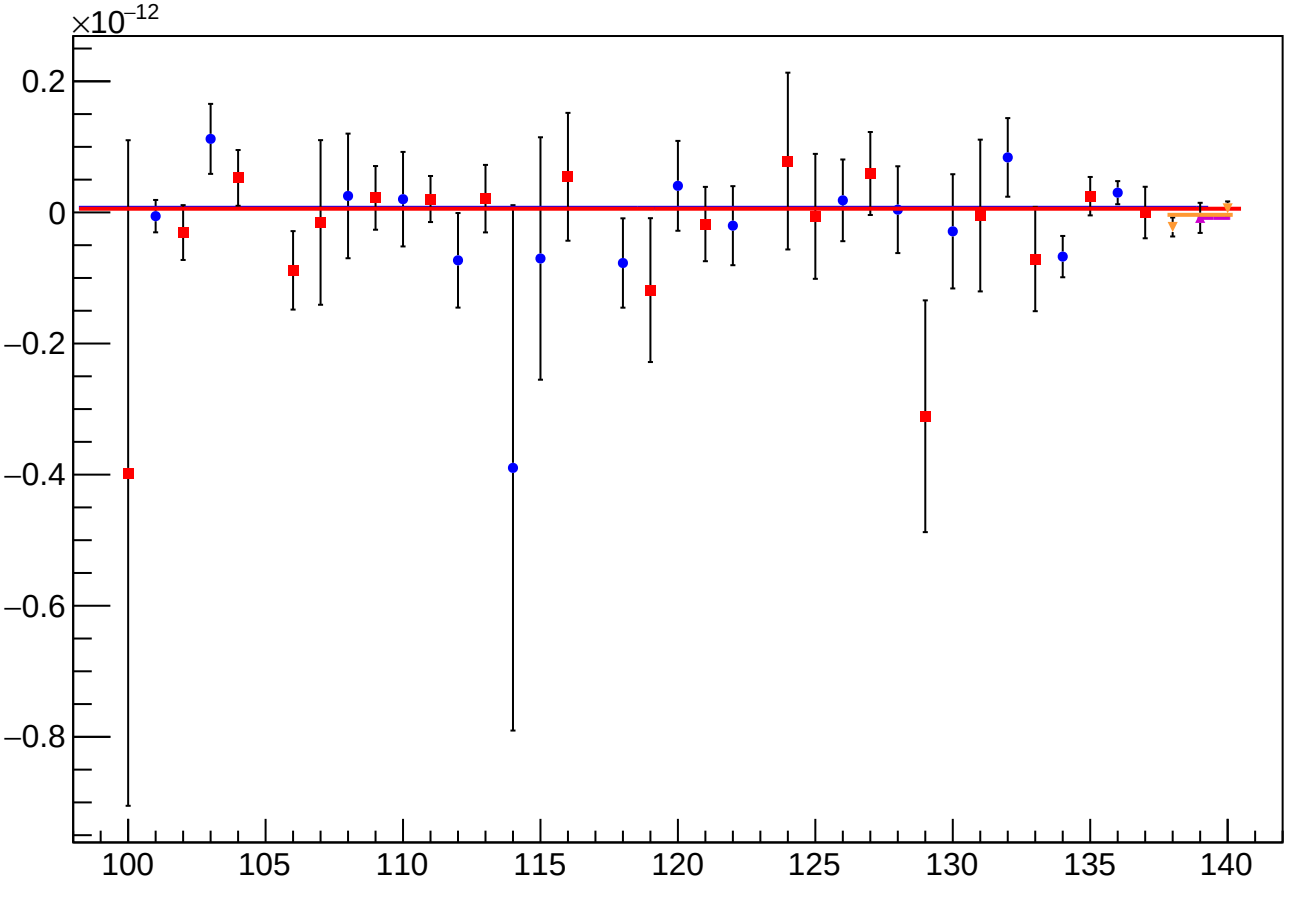
Left: 325.465+/-0.148 χ^2/NDF: 73967.4/2

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 333.773+/-0.089 χ^2/NDF:1993623.2/16

Out: 305.810+/-0.078 χ^2/NDF:2545015.1/20

All: 317.960+/-0.059 χ^2/NDF: 4594454.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

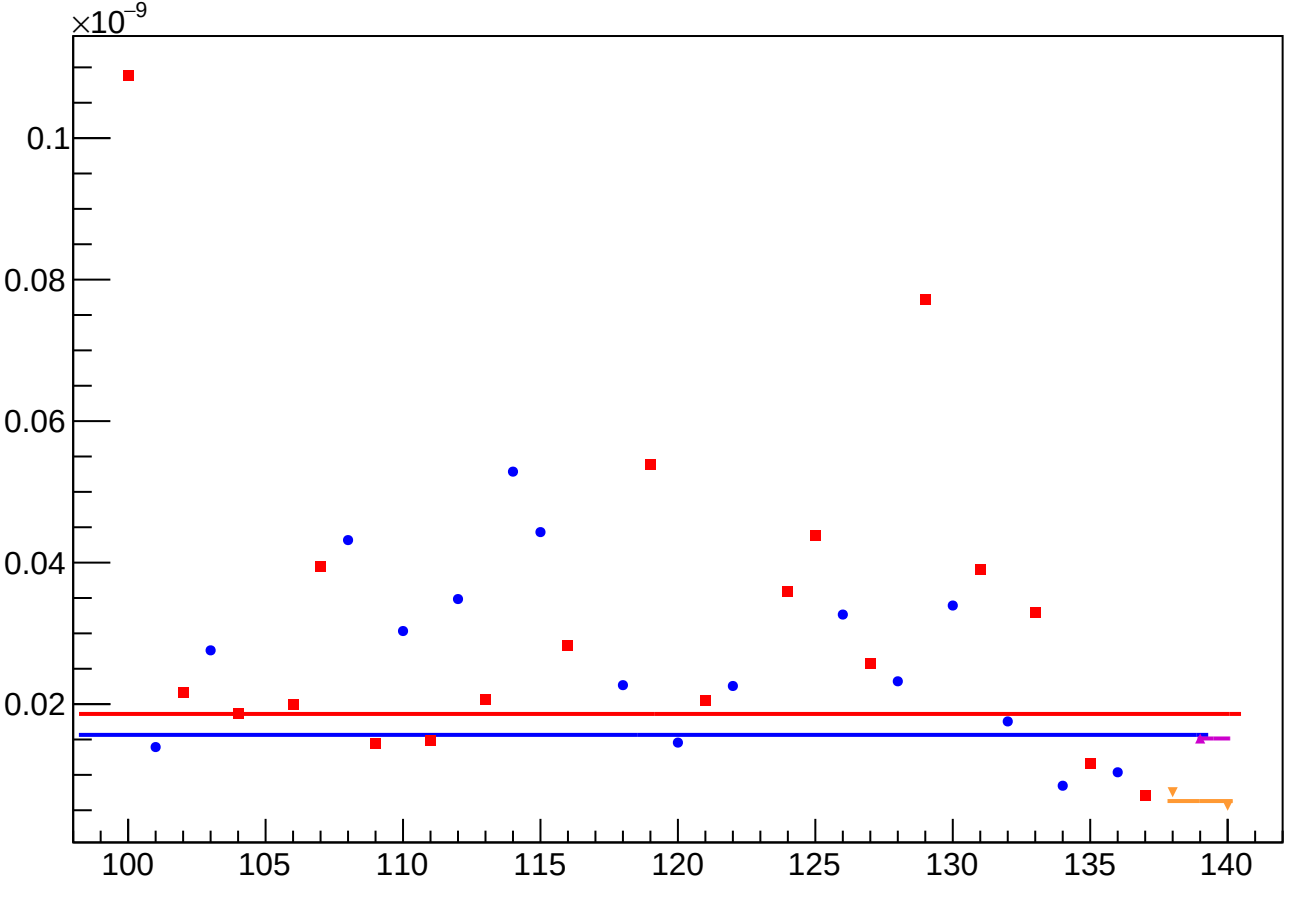
Left: -0.000+/-0.000 χ^2/NDF: 2.5/2

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:18.1/16

Out: -0.000+/-0.000 χ^2/NDF:15.7/20

All: 0.000+/-0.000 χ^2/NDF: 33.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:22616.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

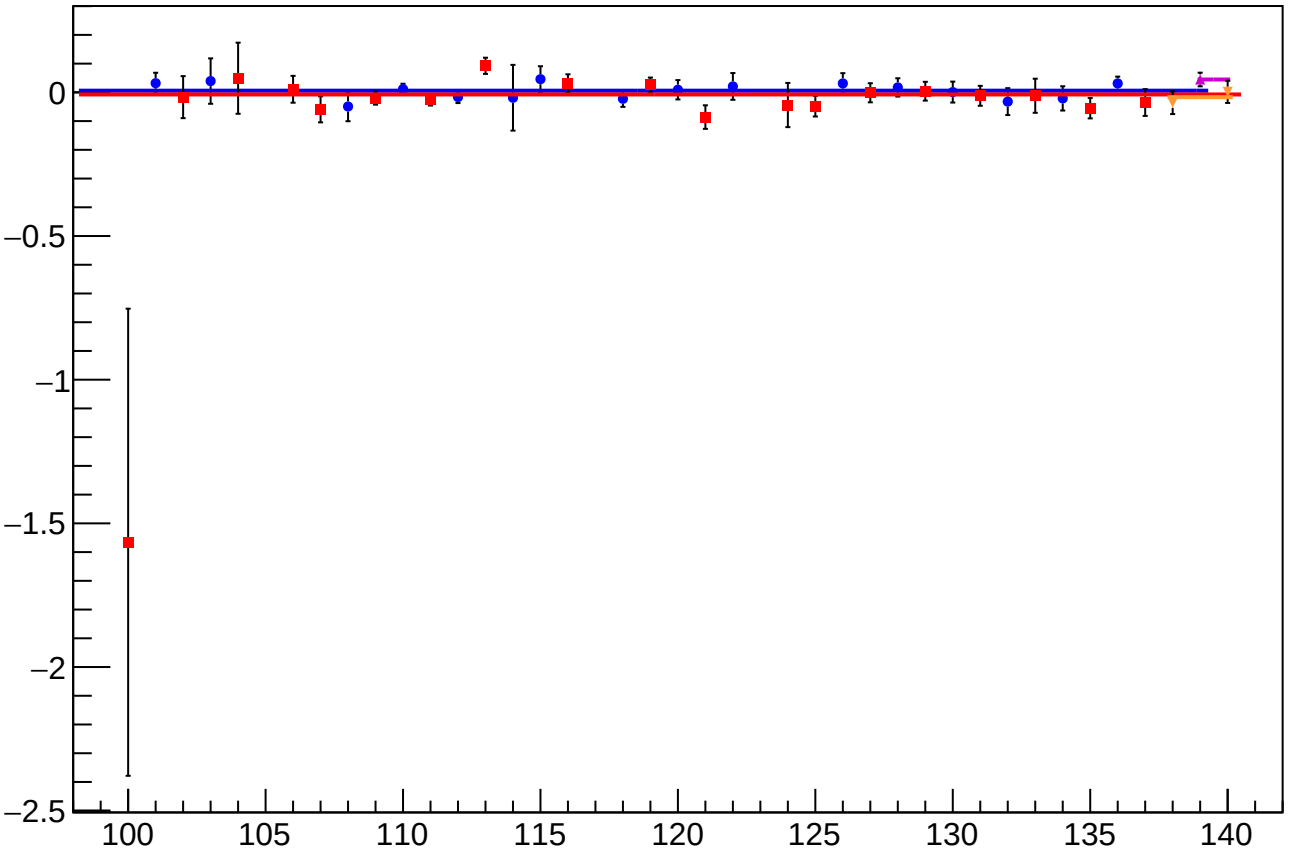
Left: 0.000+/-0.000 χ^2/NDF: 283310.9/2

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:1165182.4/16

Out: 0.000+/-0.000 χ^2/NDF:2526142.6/20

All: 0.000+/-0.000 χ^2/NDF: 4095418.1/37



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.017+/-0.028 χ^2/NDF:0.5/1

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.045+/-0.024 χ^2/NDF:0.0/0

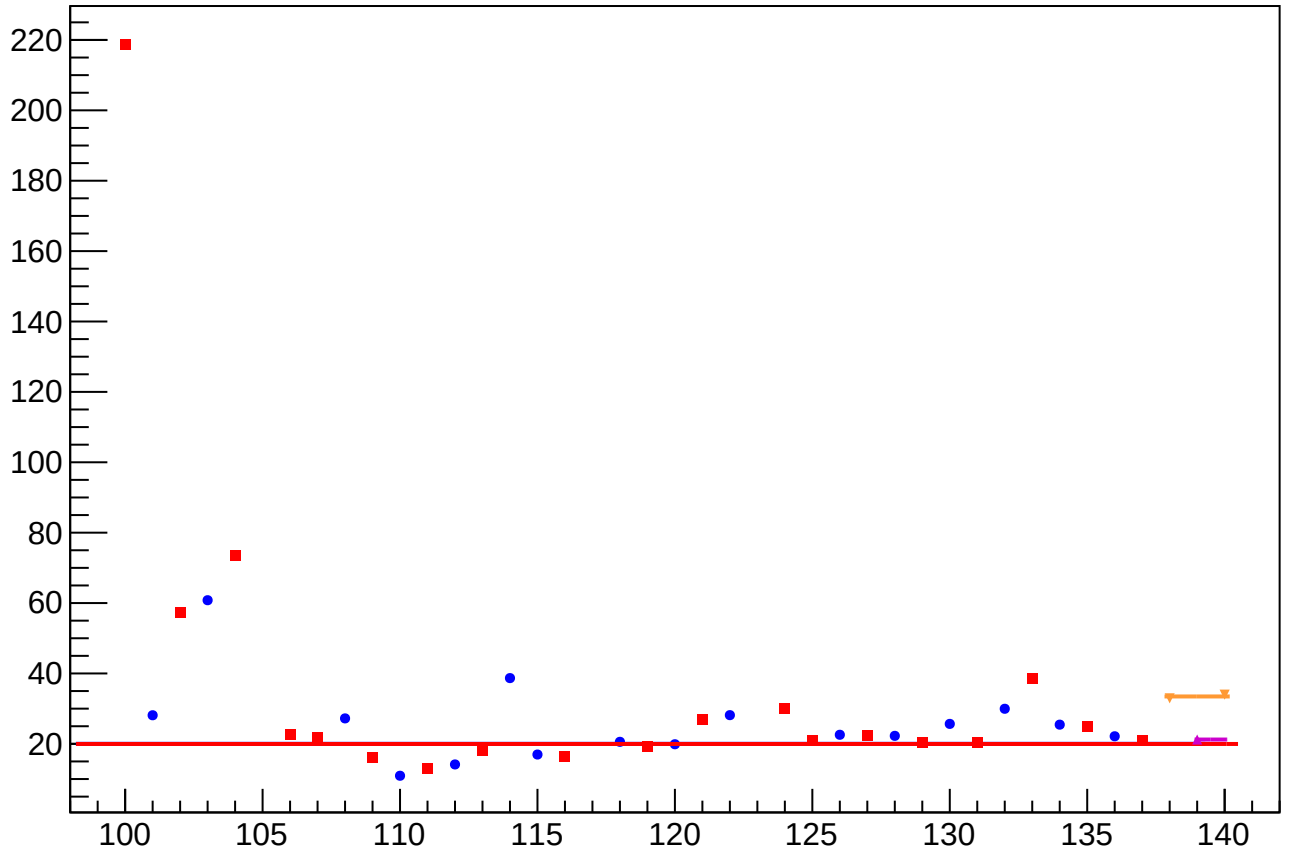
Left: 0.019+/-0.018 χ^2/NDF: 3.3/2

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.010+/-0.008 χ^2/NDF:10.3/16

Out: -0.008+/-0.008 χ^2/NDF:30.4/20

All: 0.001+/-0.005 χ^2/NDF: 43.4/37



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 33.462+/-0.020 χ^2/NDF:716.4/1

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 21.221+/-0.017 χ^2/NDF:0.0/0

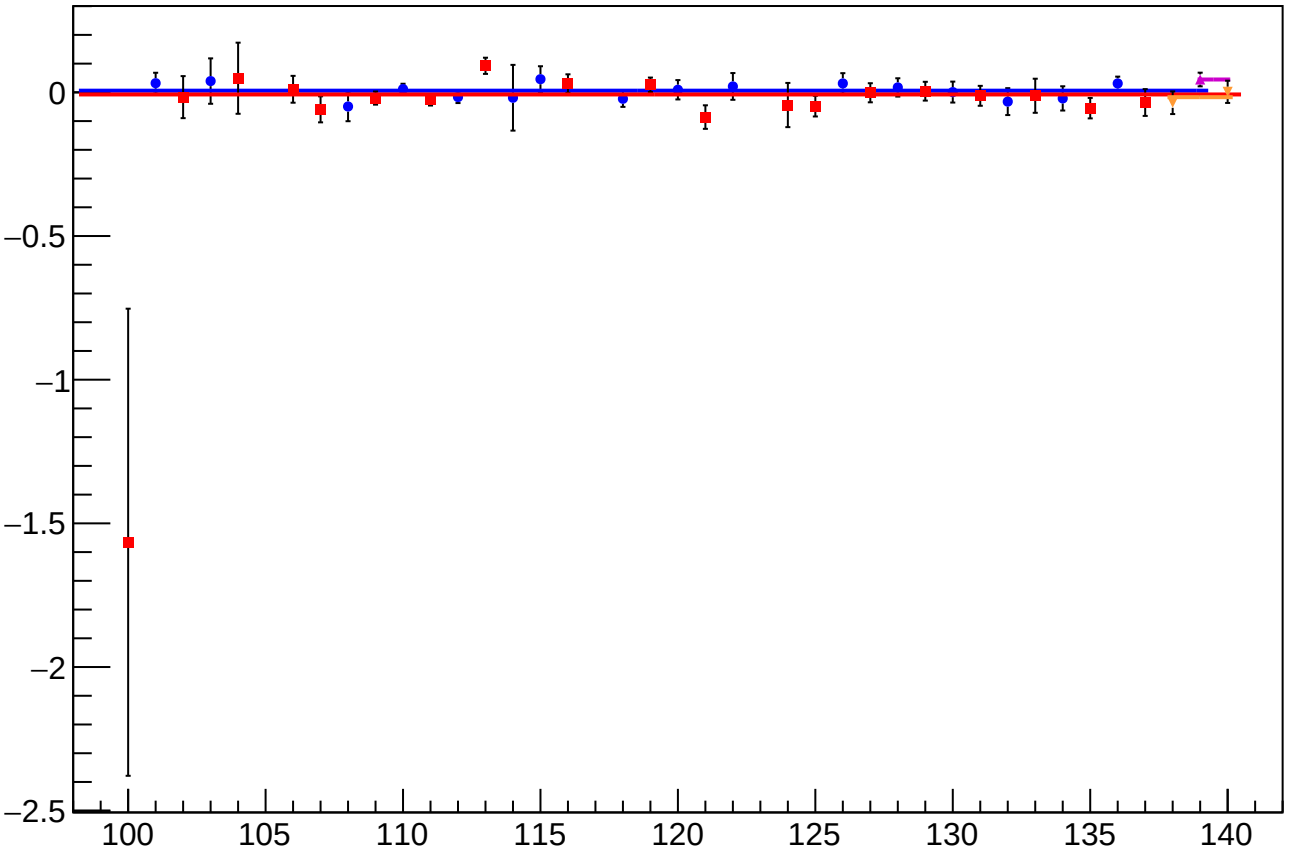
Left: 26.434+/-0.013 χ^2/NDF: 226245.9/2

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 20.128+/-0.005 χ^2/NDF:1646084.6/16

Out: 21.030+/-0.005 χ^2/NDF:2157524.2/20

All: 20.577+/-0.004 χ^2/NDF: 3817167.7/37



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.017+/-0.028 χ^2/NDF:0.5/1

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.045+/-0.024 χ^2/NDF:0.0/0

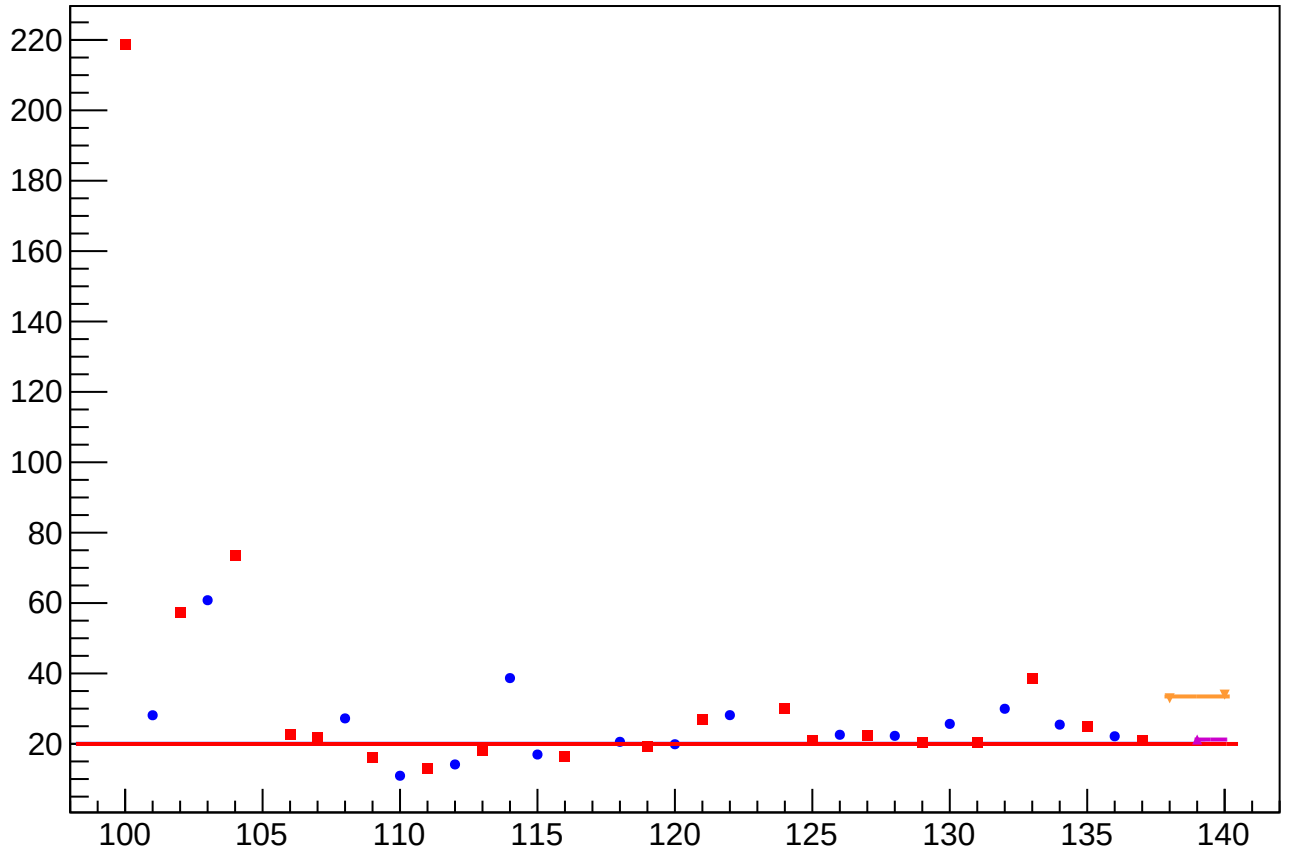
Left: 0.019+/-0.018 χ^2/NDF: 3.3/2

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.010+/-0.008 χ^2/NDF:10.3/16

Out: -0.008+/-0.008 χ^2/NDF:30.4/20

All: 0.001+/-0.005 χ^2/NDF: 43.4/37



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 33.462+/-0.020 χ^2/NDF:716.4/1

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 21.221+/-0.017 χ^2/NDF:0.0/0

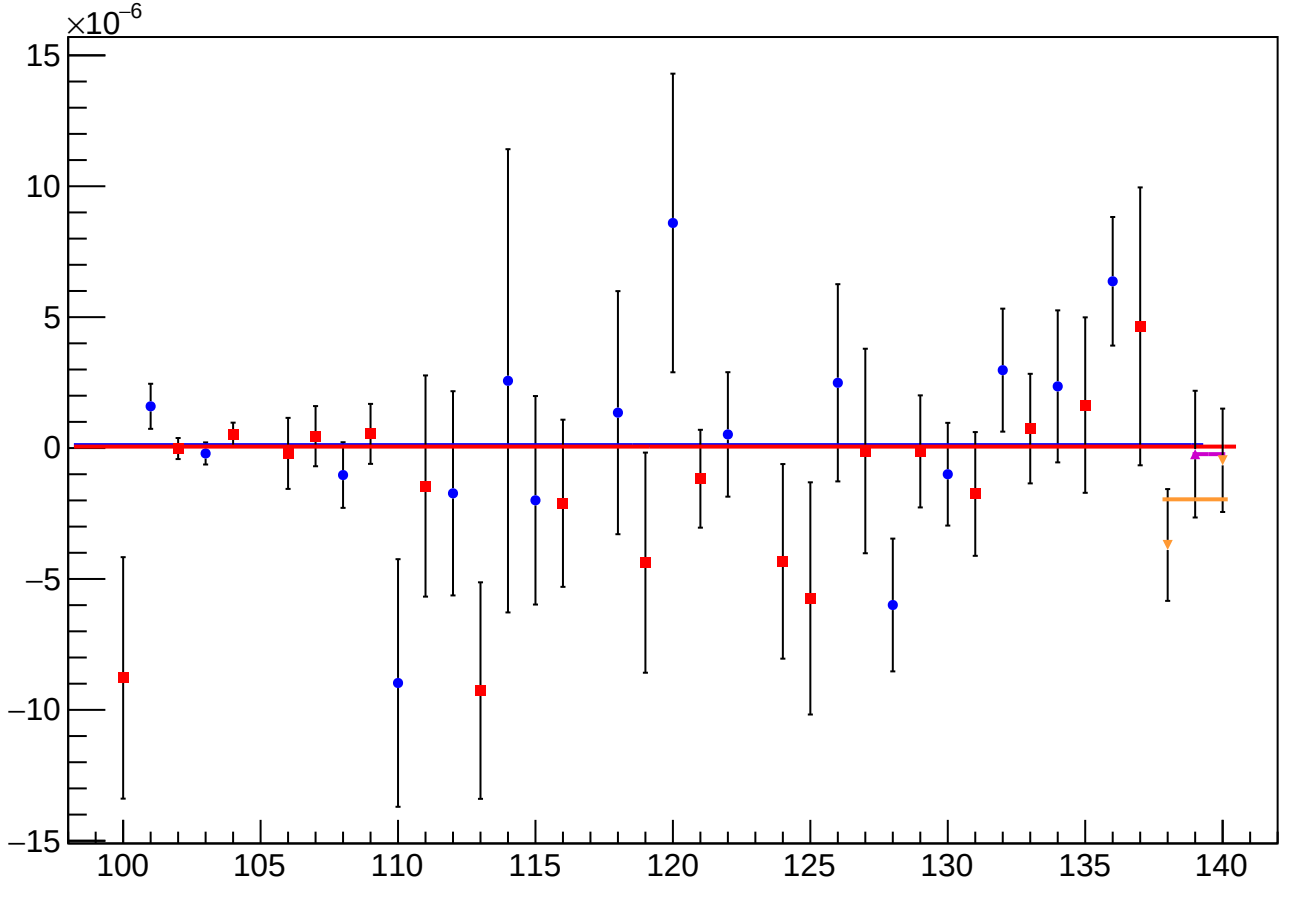
Left: 26.434+/-0.013 χ^2/NDF: 226245.9/2

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 20.128+/-0.005 χ^2/NDF:1646084.6/16

Out: 21.030+/-0.005 χ^2/NDF:2157524.2/20

All: 20.577+/-0.004 χ^2/NDF: 3817167.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

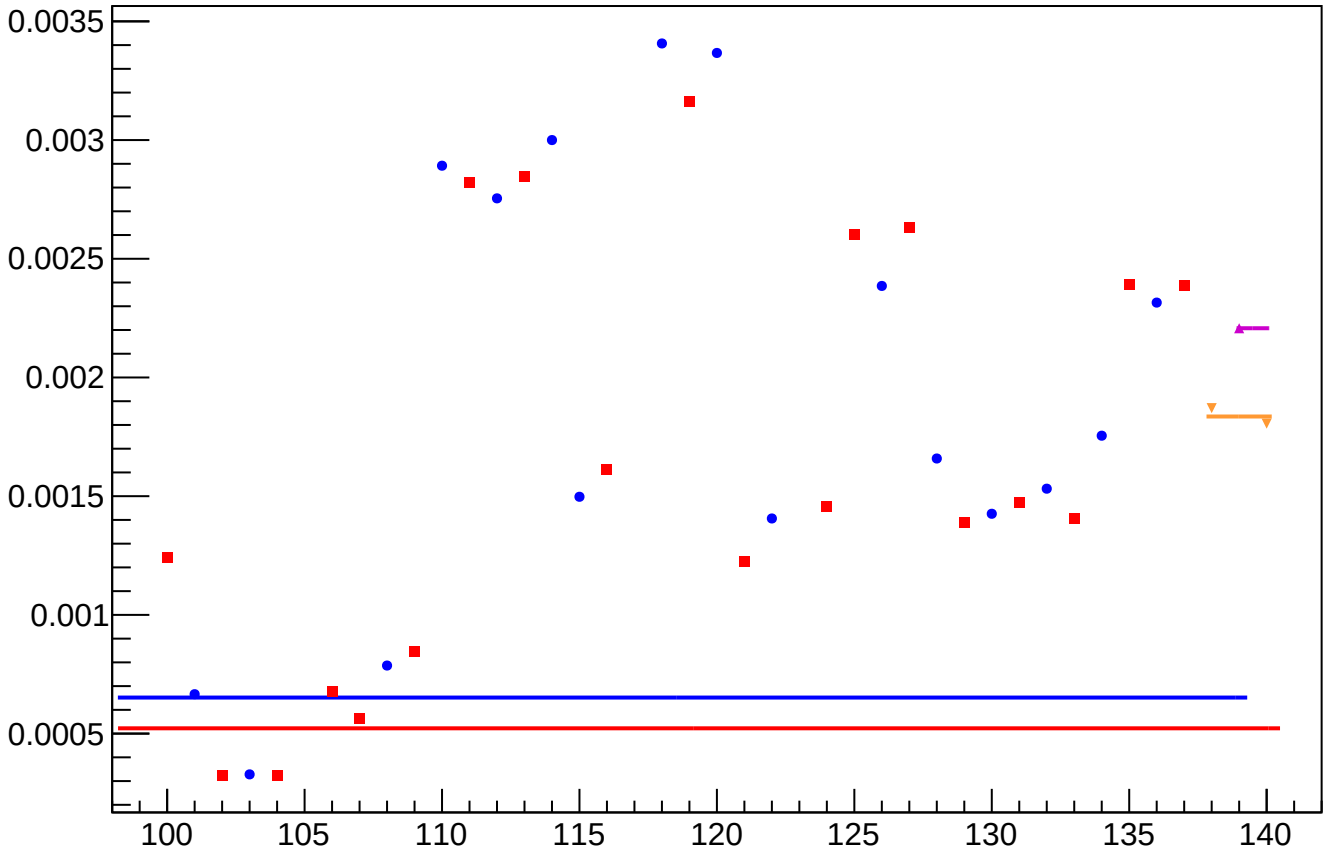
Left: -0.000+/-0.000 χ^2/NDF: 1.6/2

Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:26.1/16

Out: -0.000+/-0.000 χ^2/NDF:20.2/20

All: 0.000+/-0.000 χ^2/NDF: 46.3/37



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1005.5/1

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

Left In: 0.002+/-0.000 χ^2/NDF:0.0/0

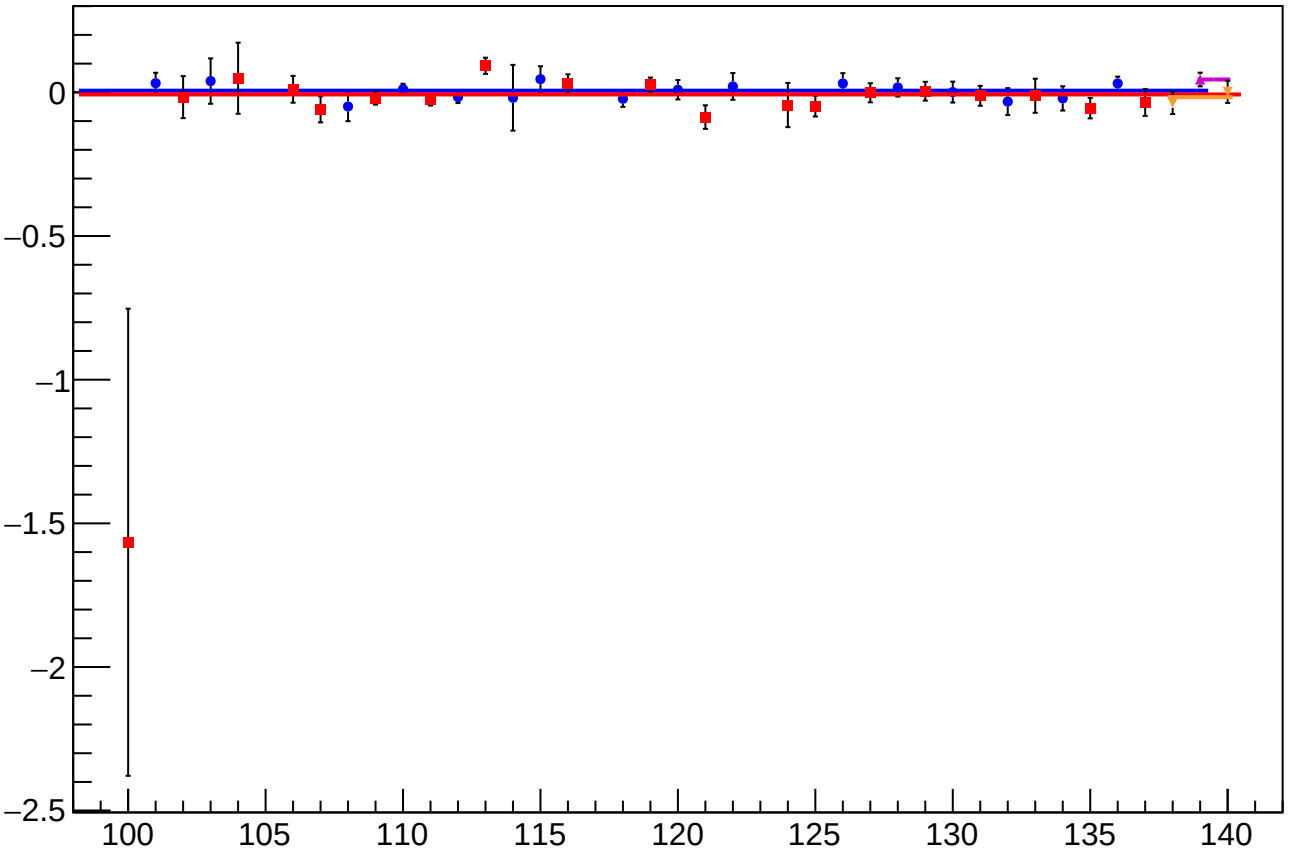
Left: 0.002+/-0.000 χ^2/NDF: 35745.7/2

Right: 0.001+/-0.000 χ^2/NDF: 13221881.1/34

In: 0.001+/-0.000 χ^2/NDF:7168477.6/16

Out: 0.001+/-0.000 χ^2/NDF:8268510.6/20

All: 0.001+/-0.000 χ^2/NDF: 15595002.7/37



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.017+/-0.028 χ^2/NDF:0.5/1

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.045+/-0.024 χ^2/NDF:0.0/0

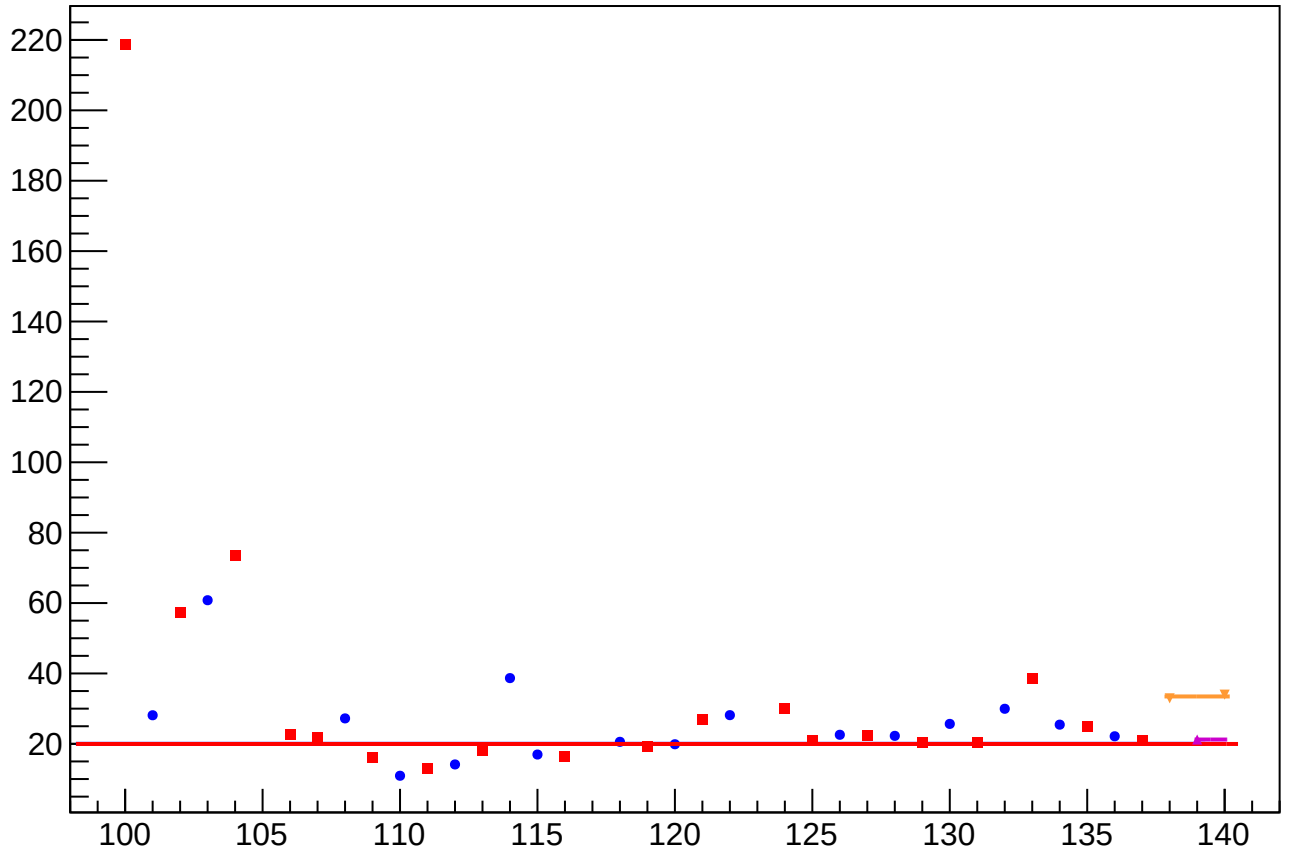
Left: 0.019+/-0.018 χ^2/NDF: 3.3/2

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.010+/-0.008 χ^2/NDF:10.3/16

Out: -0.008+/-0.008 χ^2/NDF:30.4/20

All: 0.001+/-0.005 χ^2/NDF: 43.4/37



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 33.462+/-0.020 χ^2/NDF:716.8/1

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 21.220+/-0.017 χ^2/NDF:0.0/0

Left: 26.434+/-0.013 χ^2/NDF: 226249.9/2

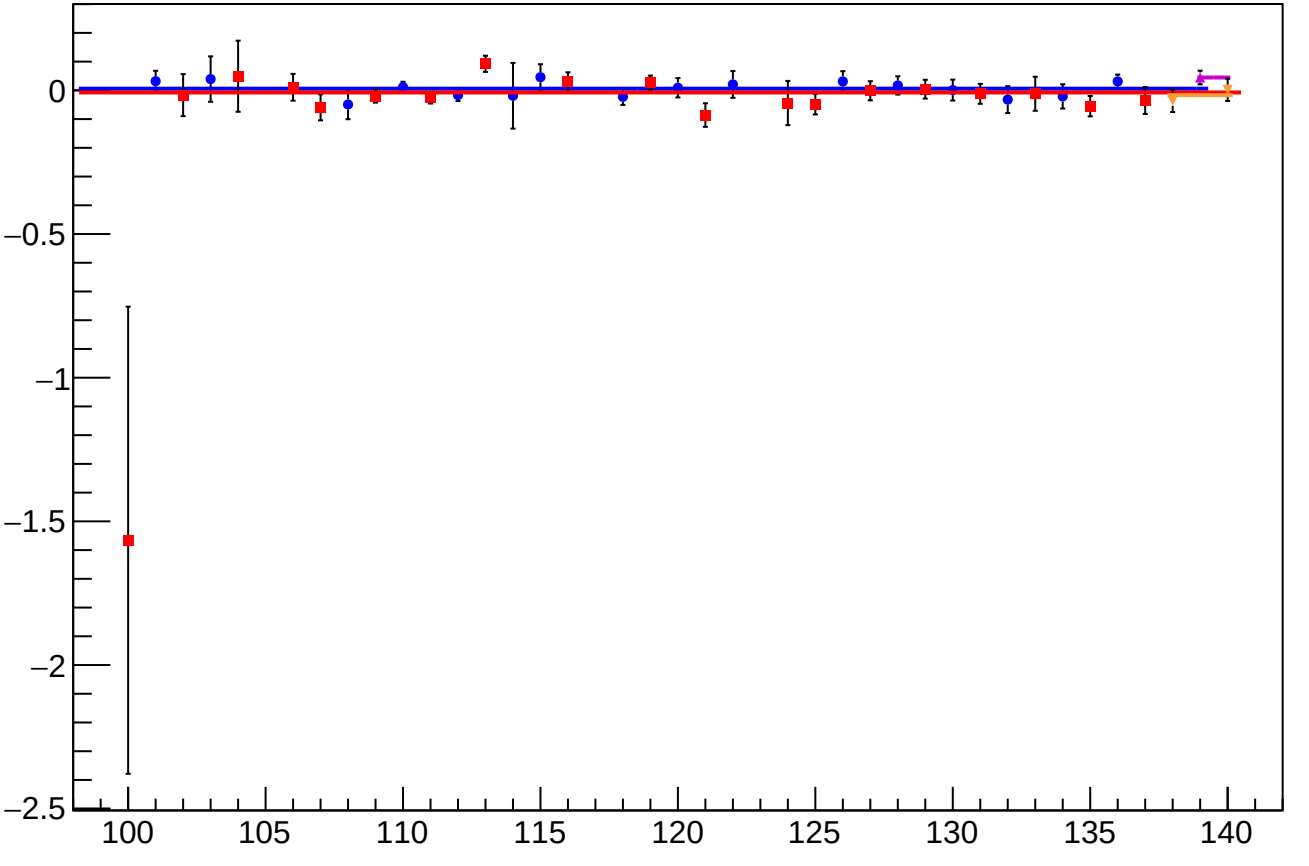
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 20.129+/-0.005 χ^2/NDF:1645905.7/16

Out: 21.031+/-0.005 χ^2/NDF:2157450.3/20

All: 20.577+/-0.004 χ^2/NDF: 3816905.8/37

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.017+/-0.028 χ^2/NDF:0.5/1

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.045+/-0.024 χ^2/NDF:0.0/0

Left: 0.019+/-0.018 χ^2/NDF: 3.3/2

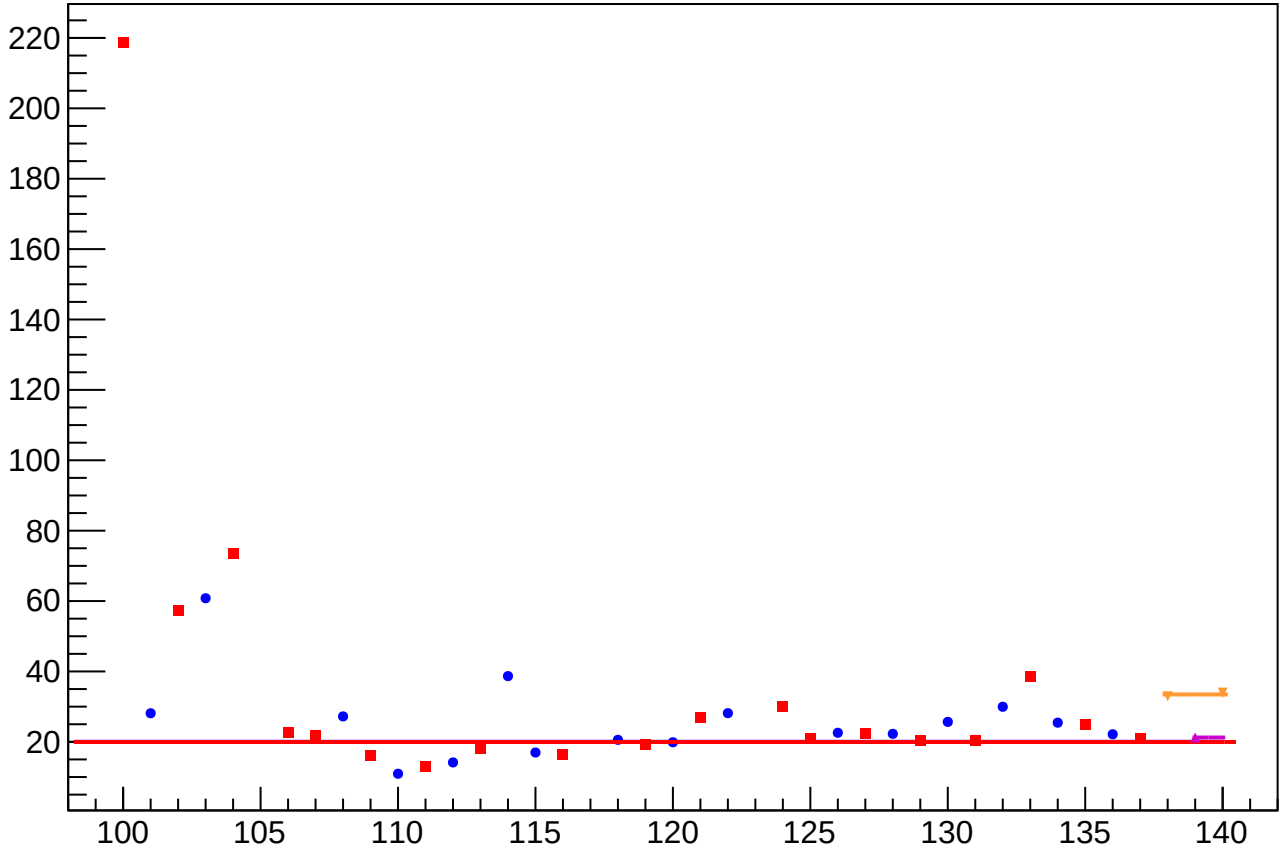
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.010+/-0.008 χ^2/NDF:10.3/16

Out: -0.008+/-0.008 χ^2/NDF:30.4/20

All: 0.001+/-0.005 χ^2/NDF: 43.4/37

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 33.462+/-0.020 χ^2/NDF:716.8/1

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 21.220+/-0.017 χ^2/NDF:0.0/0

Left: 26.434+/-0.013 χ^2/NDF: 226249.9/2

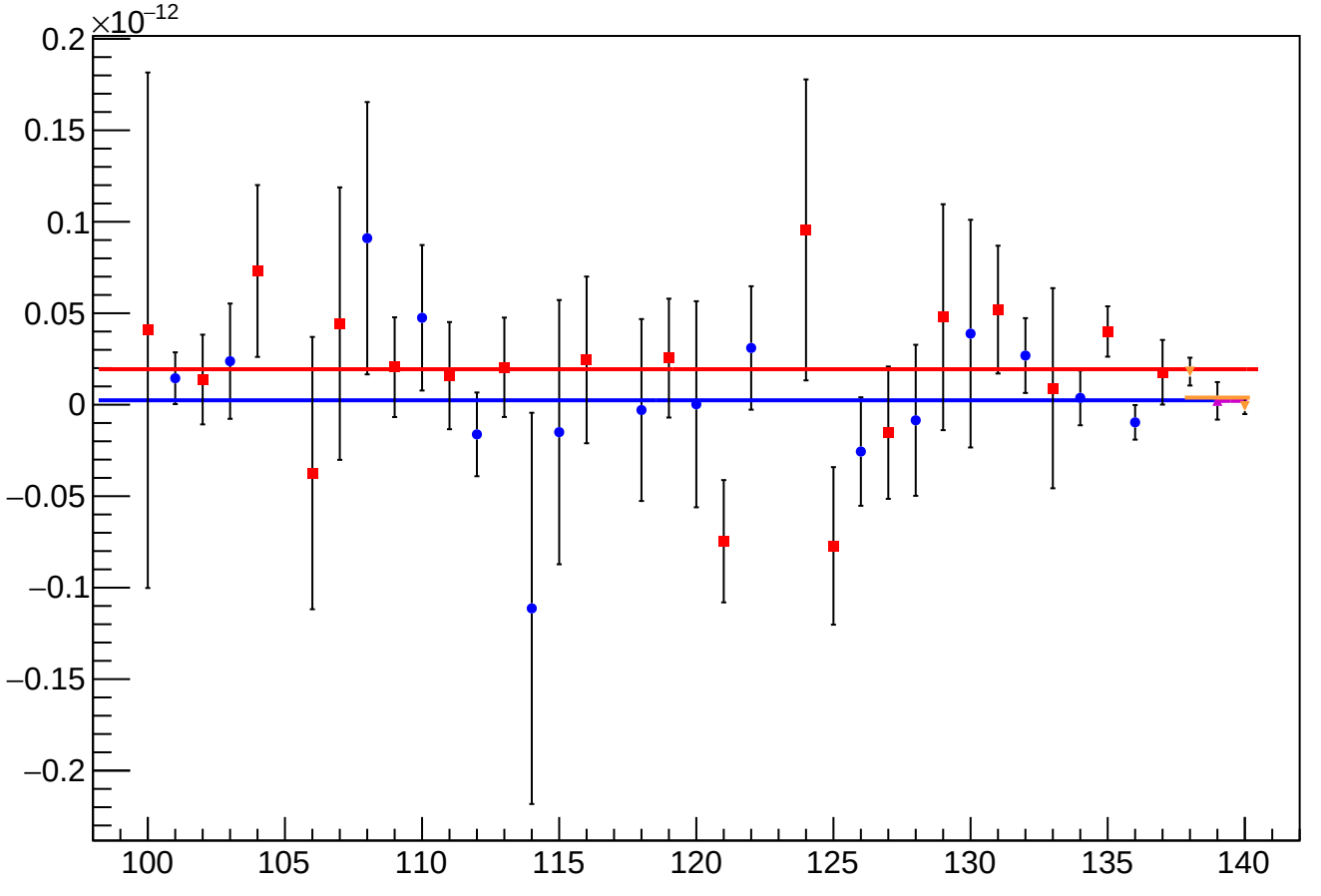
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 20.129+/-0.005 χ^2/NDF:1645905.7/16

Out: 21.031+/-0.005 χ^2/NDF:2157450.3/20

All: 20.577+/-0.004 χ^2/NDF: 3816905.8/37

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

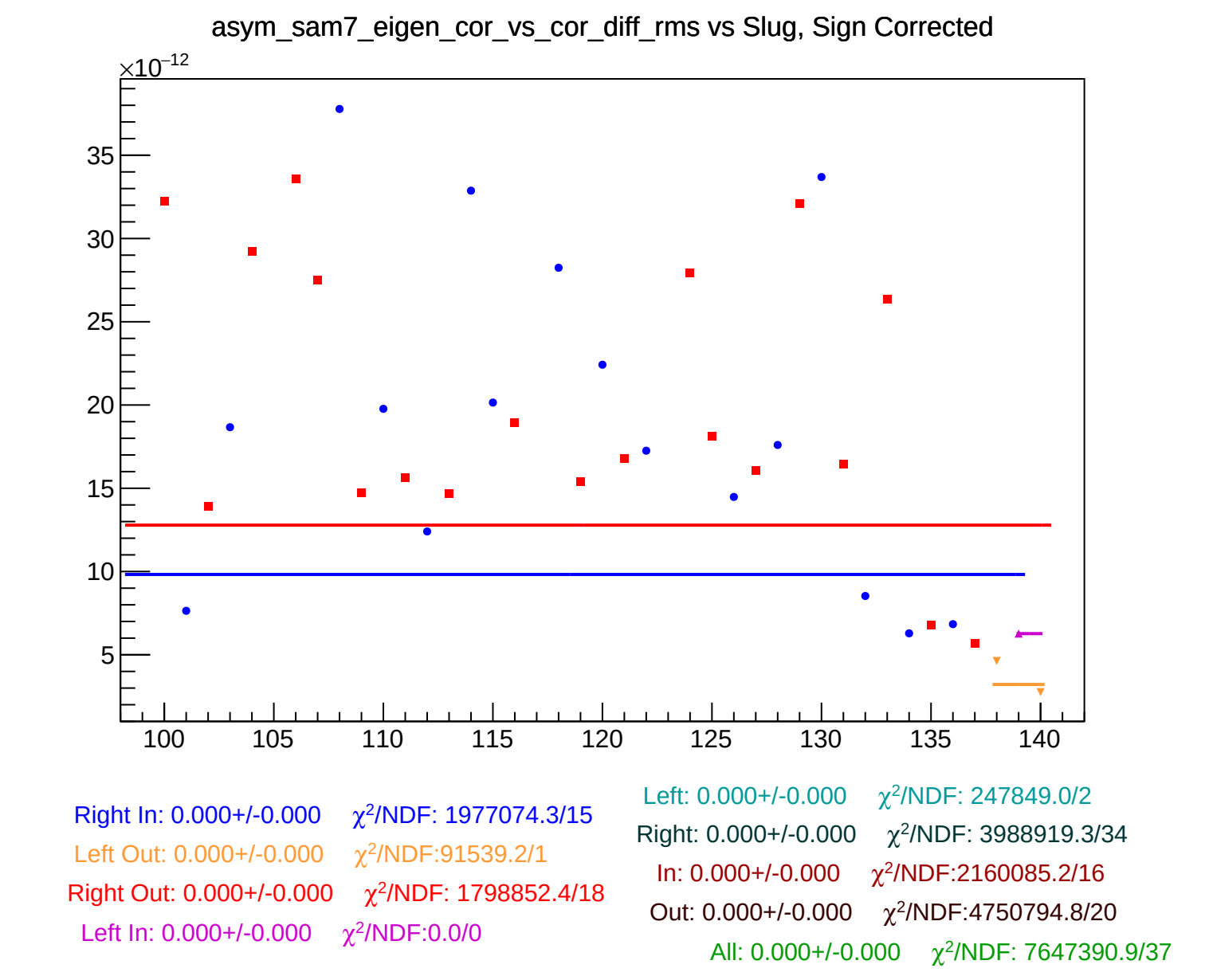
Left: 0.000+/-0.000 χ^2/NDF: 4.7/2

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

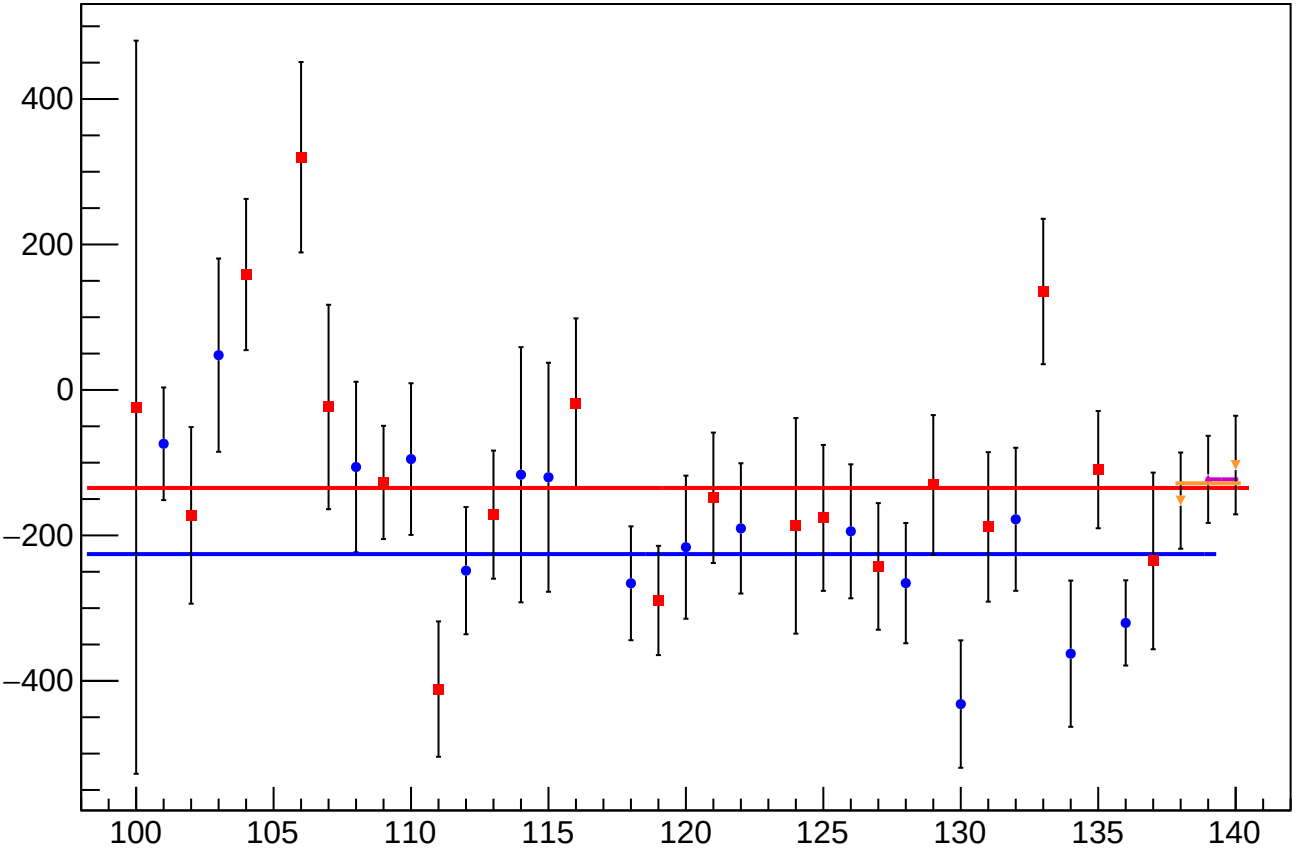
In: 0.000+/-0.000 χ^2/NDF:10.9/16

Out: 0.000+/-0.000 χ^2/NDF:28.6/20

All: 0.000+/-0.000 χ^2/NDF: 40.2/37


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:91539.2/1
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 247849.0/2
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2160085.2/16
Out: 0.000+/-0.000 χ²/NDF:4750794.8/20
All: 0.000+/-0.000 χ²/NDF: 7647390.9/37

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -128.323+/-47.350 χ^2/NDF:0.3/1

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -122.965+/-59.892 χ^2/NDF:0.0/0

Left: -126.262+/-37.144 χ^2/NDF: 0.3/2

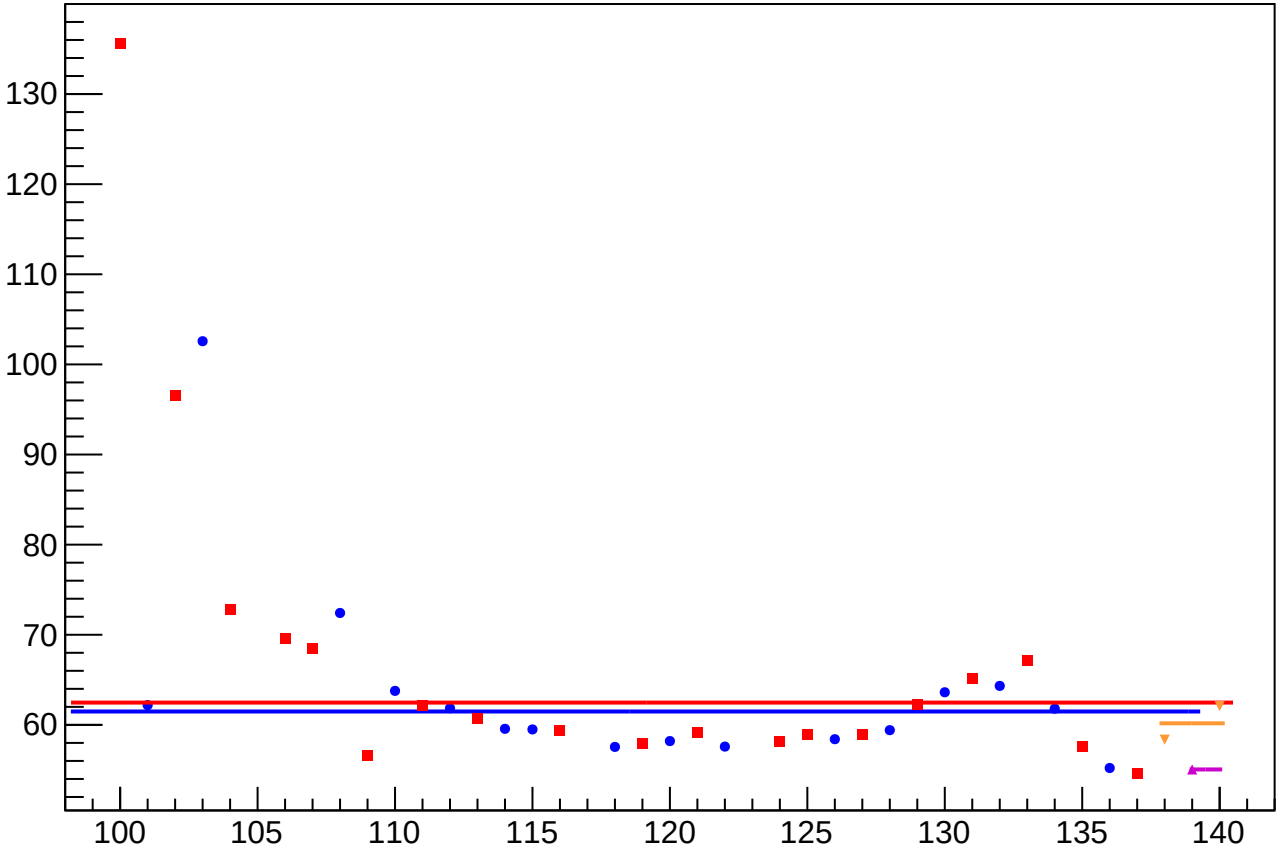
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -212.370+/-21.567 χ^2/NDF:25.2/16

Out: -133.516+/-20.828 χ^2/NDF:45.5/20

All: -171.568+/-14.982 χ^2/NDF: 77.6/37

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 60.176+/-0.033 χ^2/NDF:3089.7/1

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 55.055+/-0.042 χ^2/NDF:0.0/0

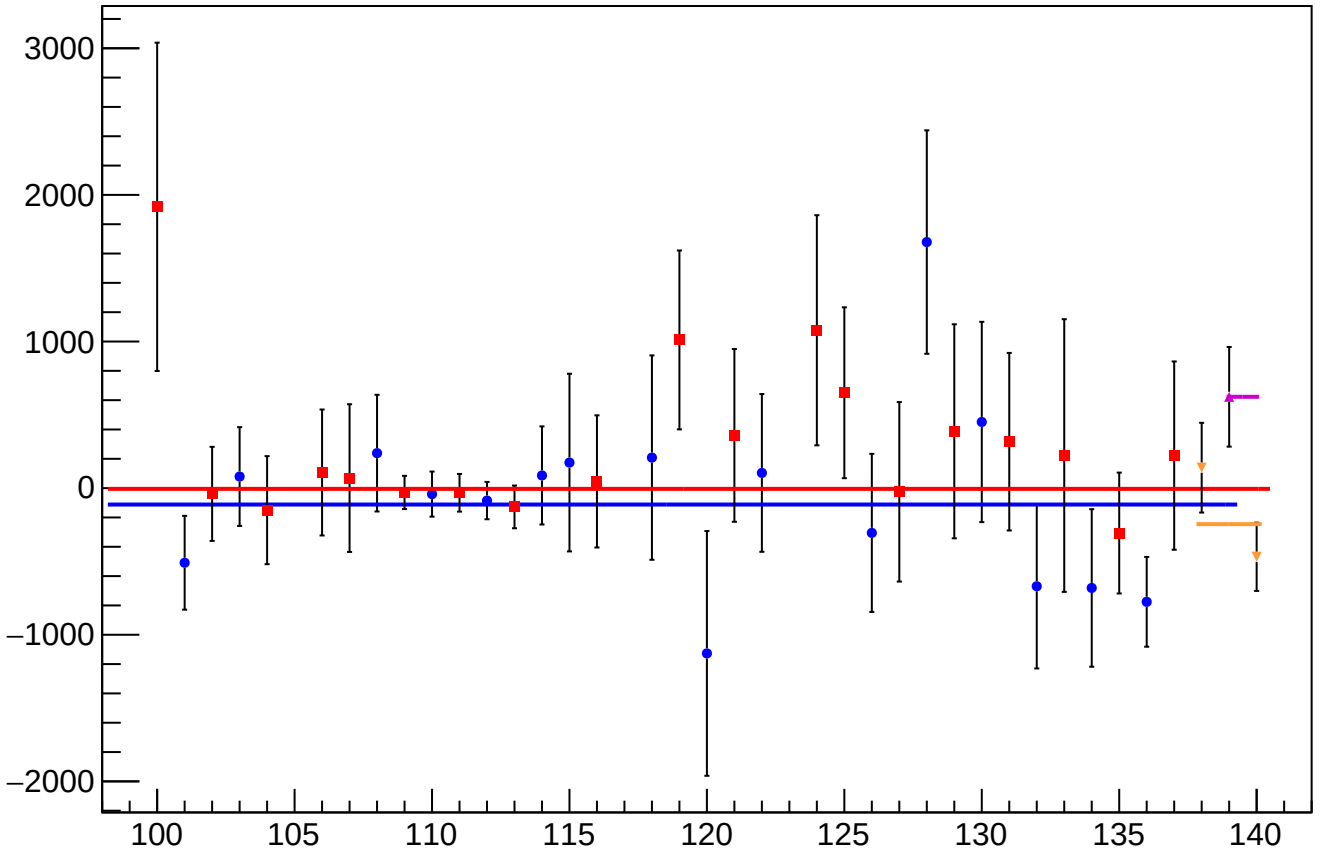
Left: 58.206+/-0.026 χ^2/NDF: 12085.6/2

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 60.652+/-0.015 χ^2/NDF:270735.5/16

Out: 62.031+/-0.015 χ^2/NDF:288043.6/20

All: 61.365+/-0.011 χ^2/NDF: 563008.4/37



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -245.550+/-185.293 χ^2/NDF:2.5/1

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 622.875+/-339.870 χ^2/NDF:0.0/0

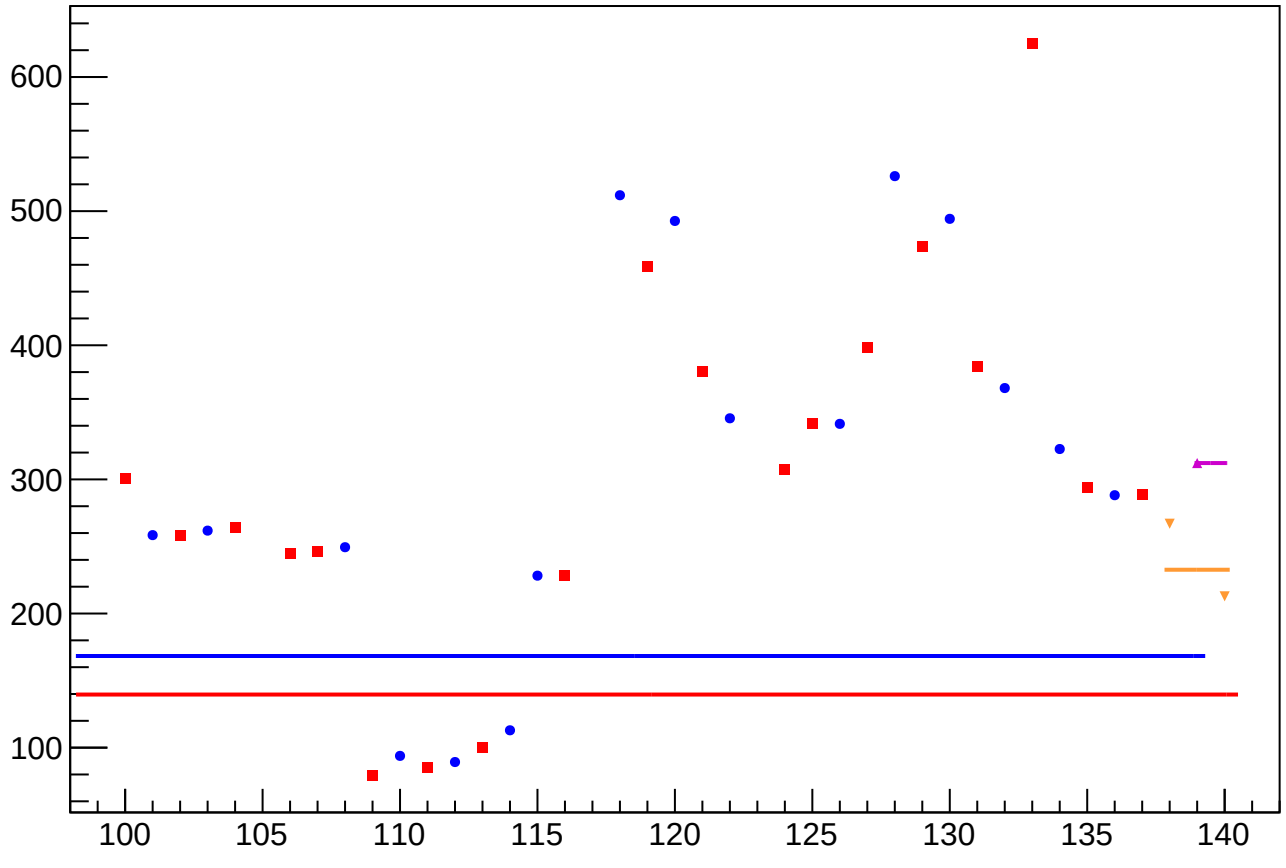
Left: -46.571+/-162.686 χ^2/NDF: 7.5/2

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -76.707+/-74.366 χ^2/NDF:22.9/16

Out: -30.495+/-60.436 χ^2/NDF:15.6/20

All: -48.876+/-46.901 χ^2/NDF: 38.8/37



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 232.648+/-0.131 χ^2/NDF:39649.1/1

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 312.186+/-0.240 χ^2/NDF:0.0/0

Left: 250.872+/-0.115 χ^2/NDF: 124086.5/2

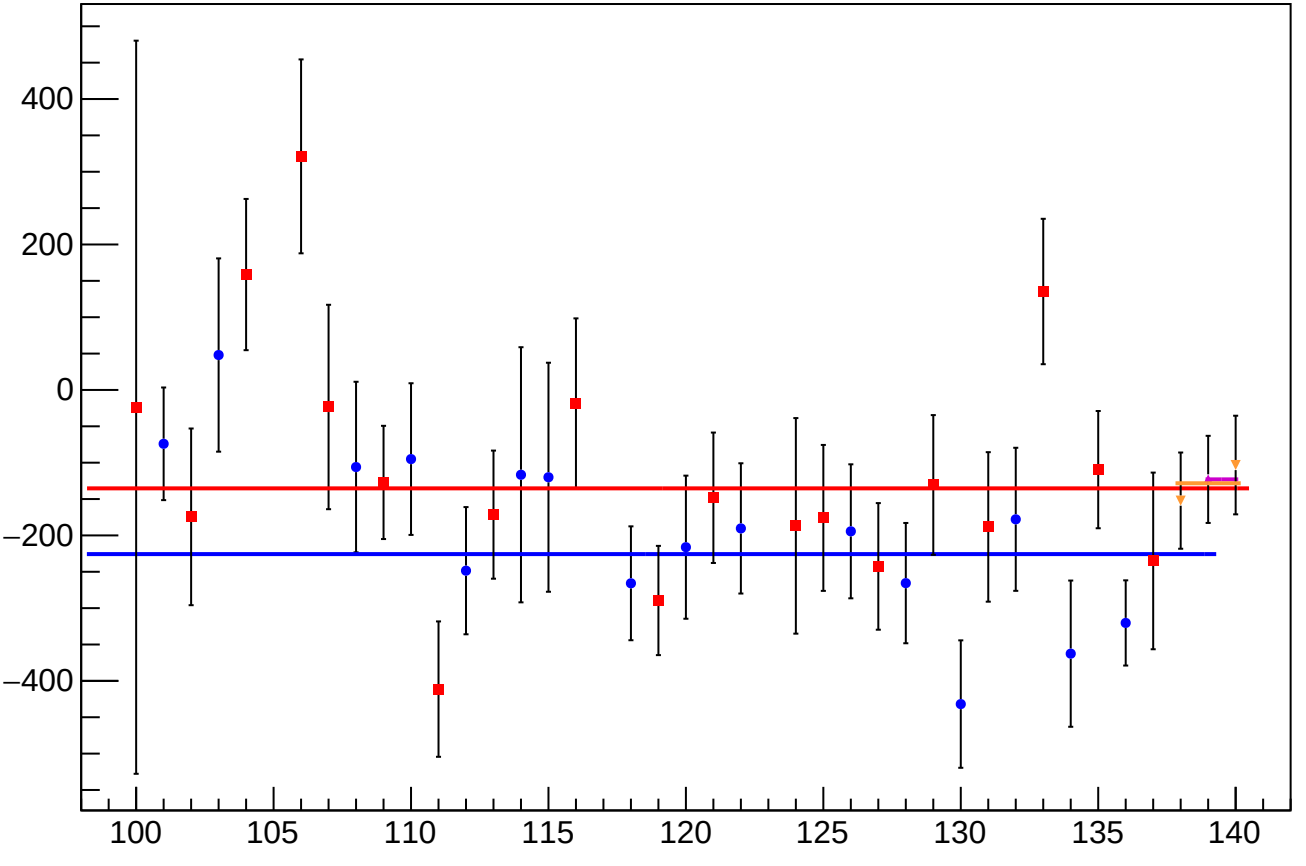
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 175.217+/-0.053 χ^2/NDF:4885205.8/16

Out: 149.493+/-0.043 χ^2/NDF:5644556.5/20

All: 159.725+/-0.033 χ^2/NDF: 10673882.1/37

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -128.312+/-47.350 χ^2/NDF:0.3/1

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -122.964+/-59.892 χ^2/NDF:0.0/0

Left: -126.255+/-37.144 χ^2/NDF: 0.3/2

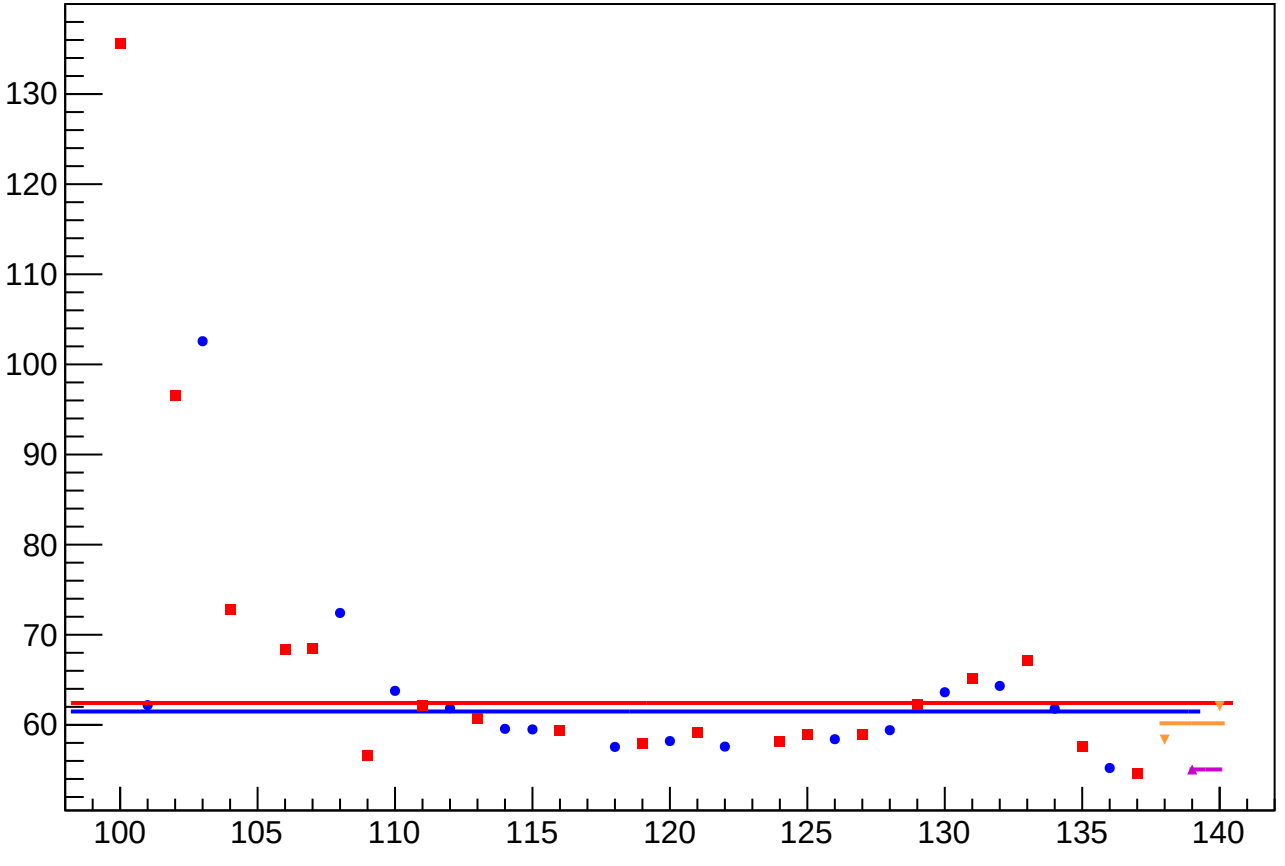
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -212.370+/-21.567 χ^2/NDF:25.2/16

Out: -133.955+/-20.837 χ^2/NDF:45.2/20

All: -171.813+/-14.986 χ^2/NDF: 77.2/37

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 60.176+/-0.033 χ^2/NDF:3089.7/1

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 55.055+/-0.042 χ^2/NDF:0.0/0

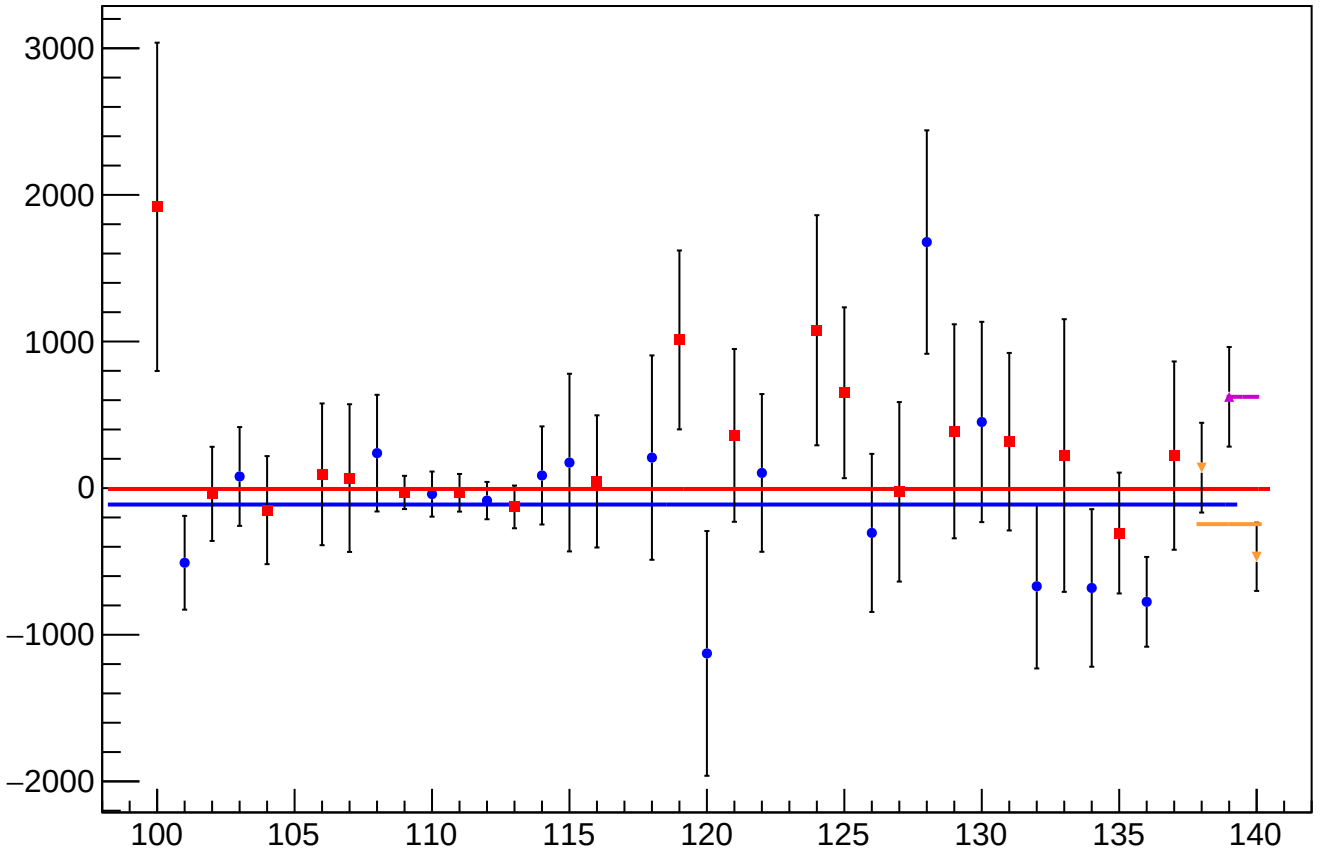
Left: 58.206+/-0.026 χ^2/NDF: 12085.6/2

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 60.652+/-0.015 χ^2/NDF:270738.0/16

Out: 61.996+/-0.015 χ^2/NDF:286162.0/20

All: 61.347+/-0.011 χ^2/NDF: 560914.7/37



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -245.543+/-185.292 χ^2/NDF:2.5/1

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 622.872+/-339.870 χ^2/NDF:0.0/0

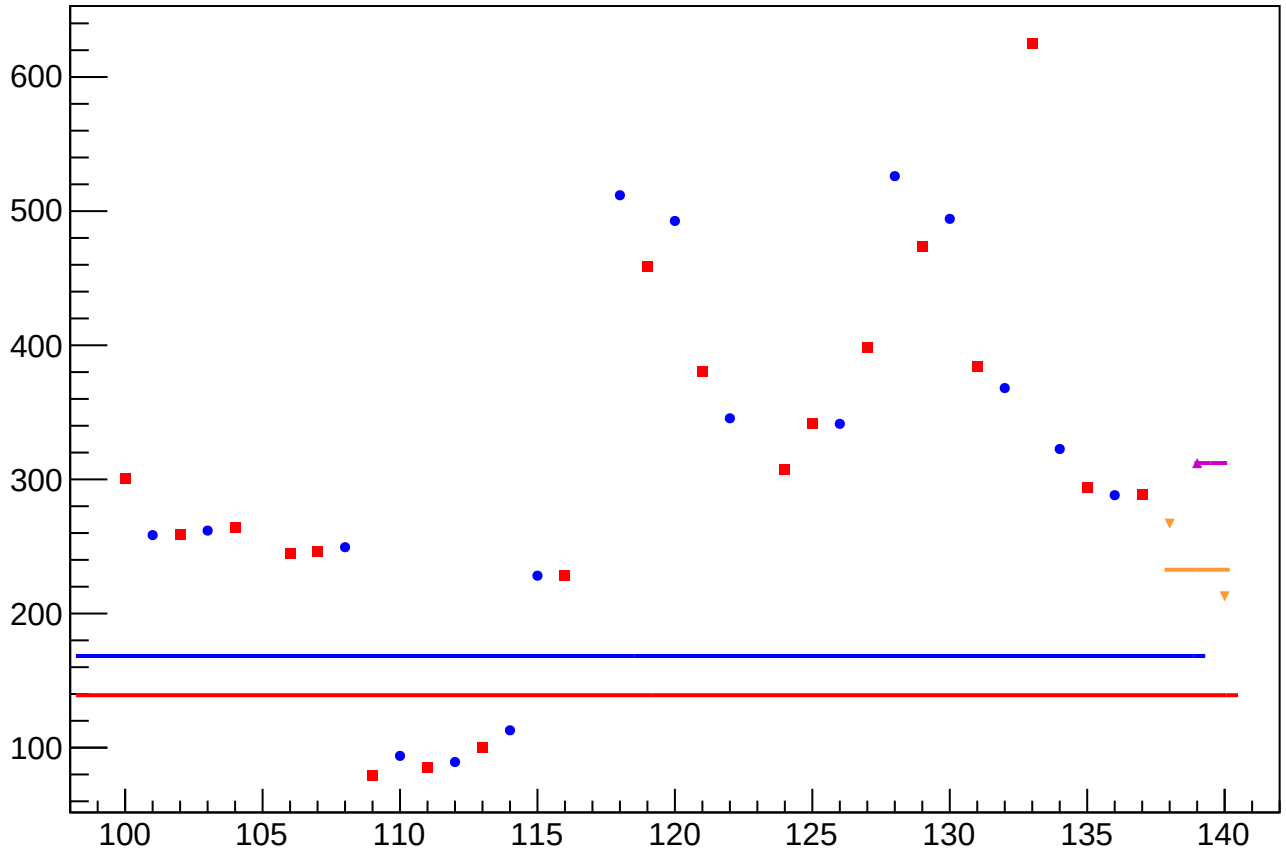
Left: -46.567+/-162.686 χ^2/NDF: 7.5/2

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -76.690+/-74.366 χ^2/NDF:22.9/16

Out: -31.249+/-60.565 χ^2/NDF:15.6/20

All: -49.370+/-46.961 χ^2/NDF: 38.7/37



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 232.647+/-0.131 χ^2/NDF:39648.5/1

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 312.186+/-0.240 χ^2/NDF:0.0/0

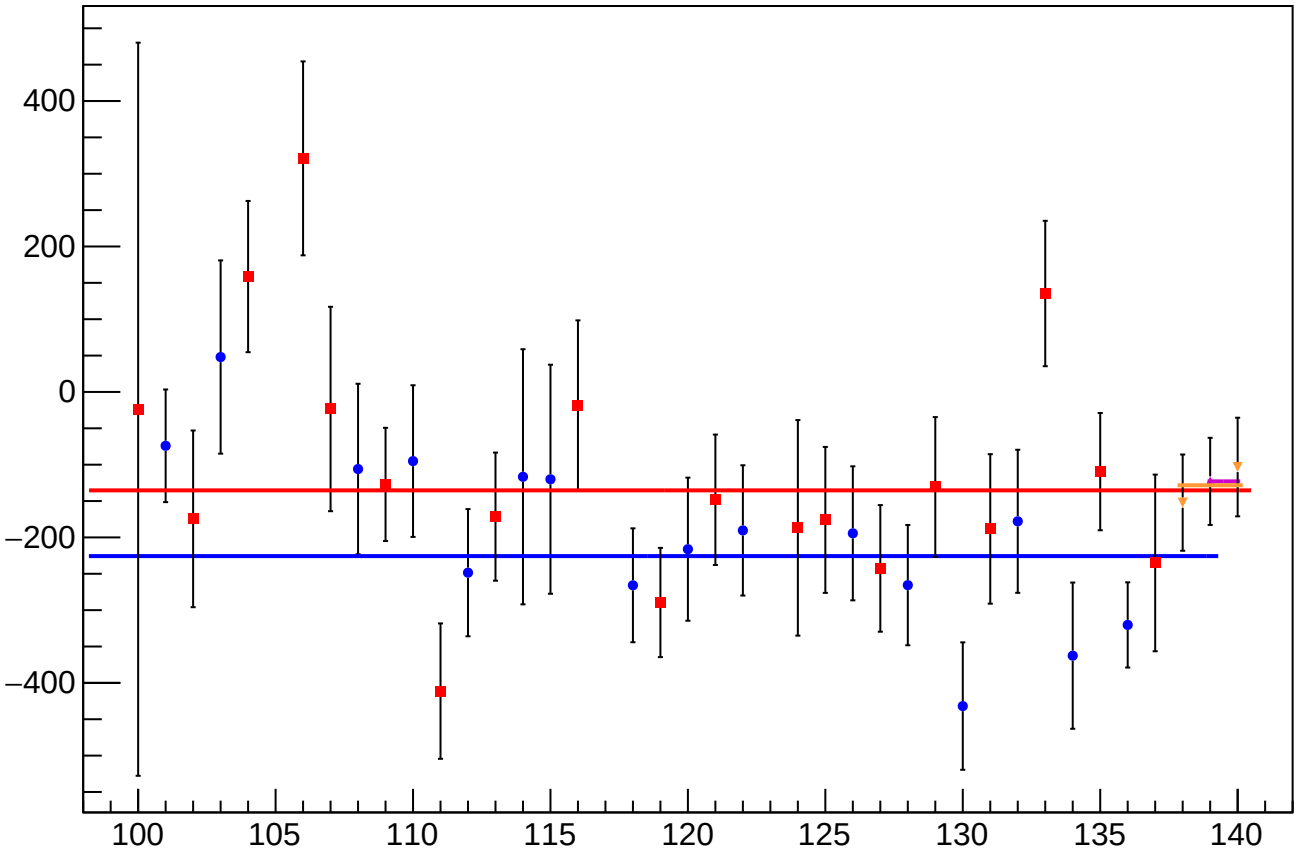
Left: 250.872+/-0.115 χ^2/NDF: 124087.9/2

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 175.217+/-0.053 χ^2/NDF:4885259.0/16

Out: 149.099+/-0.043 χ^2/NDF:5624926.7/20

All: 159.514+/-0.033 χ^2/NDF: 10658511.4/37



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -128.312+/-47.350 χ^2/NDF:0.3/1

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -122.964+/-59.892 χ^2/NDF:0.0/0

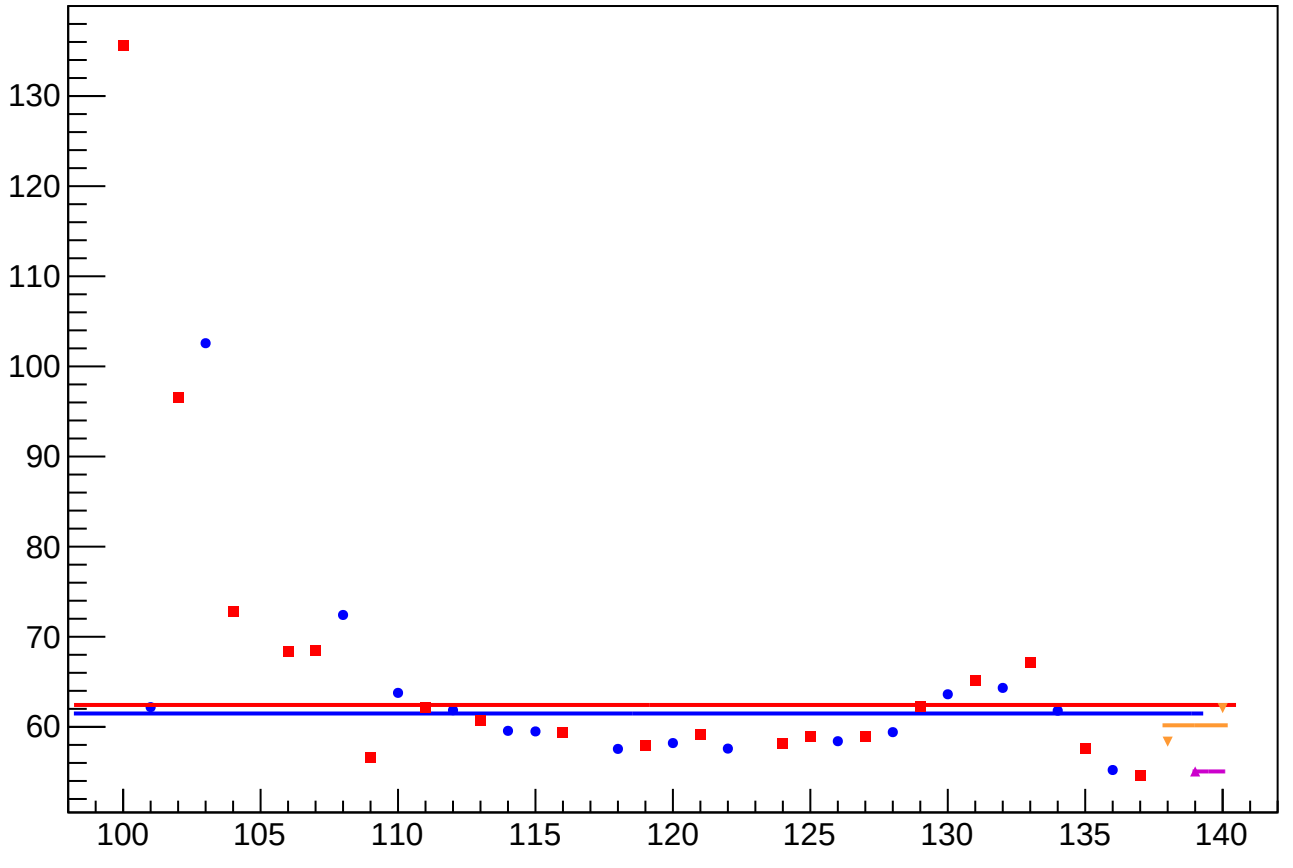
Left: -126.255+/-37.144 χ^2/NDF: 0.3/2

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -212.370+/-21.567 χ^2/NDF:25.2/16

Out: -133.955+/-20.837 χ^2/NDF:45.2/20

All: -171.813+/-14.986 χ^2/NDF: 77.2/37



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 60.176+/-0.033 χ^2/NDF:3089.7/1

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 55.055+/-0.042 χ^2/NDF:0.0/0

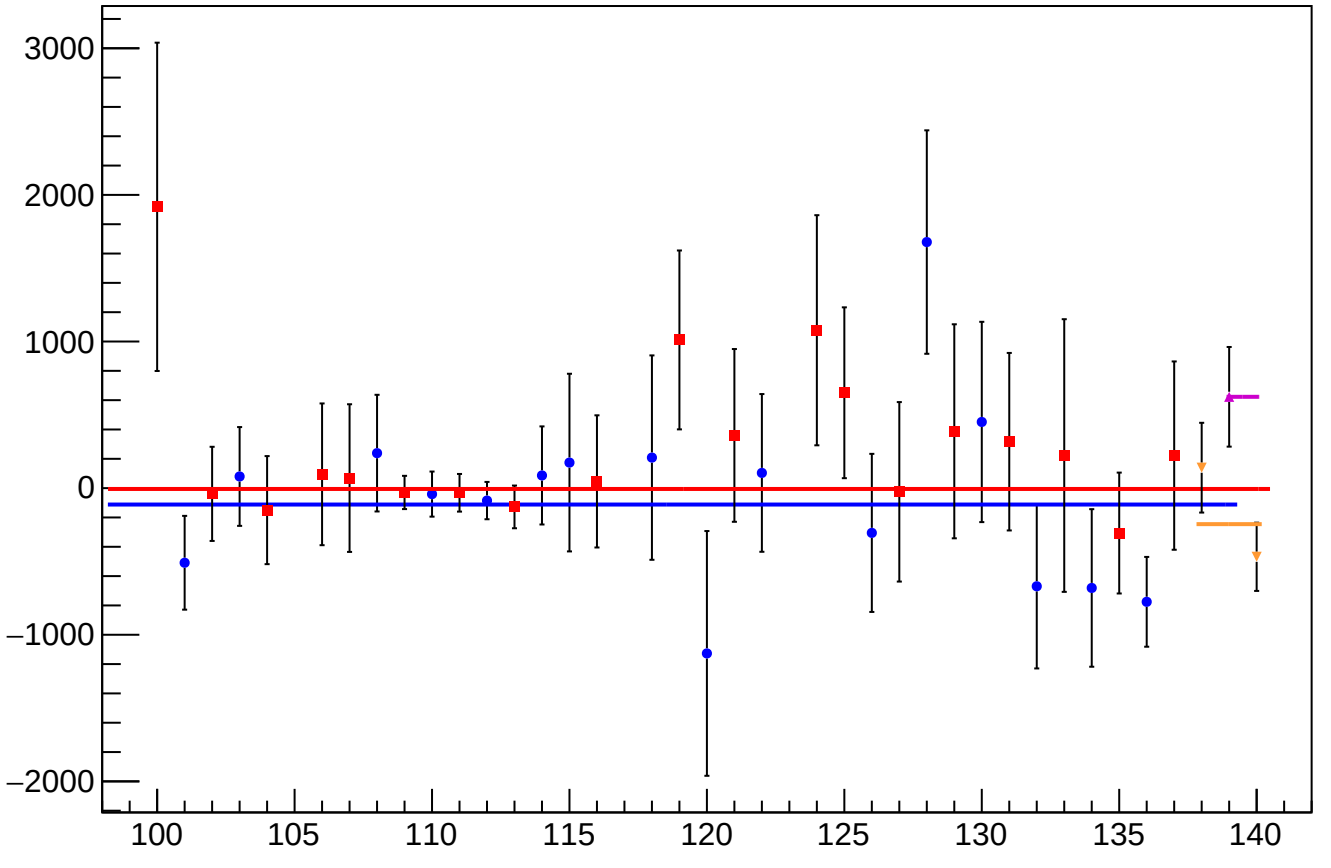
Left: 58.206+/-0.026 χ^2/NDF: 12085.6/2

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 60.652+/-0.015 χ^2/NDF:270738.0/16

Out: 61.996+/-0.015 χ^2/NDF:286162.0/20

All: 61.347+/-0.011 χ^2/NDF: 560914.7/37



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -245.543+/-185.292 χ^2/NDF:2.5/1

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 622.872+/-339.870 χ^2/NDF:0.0/0

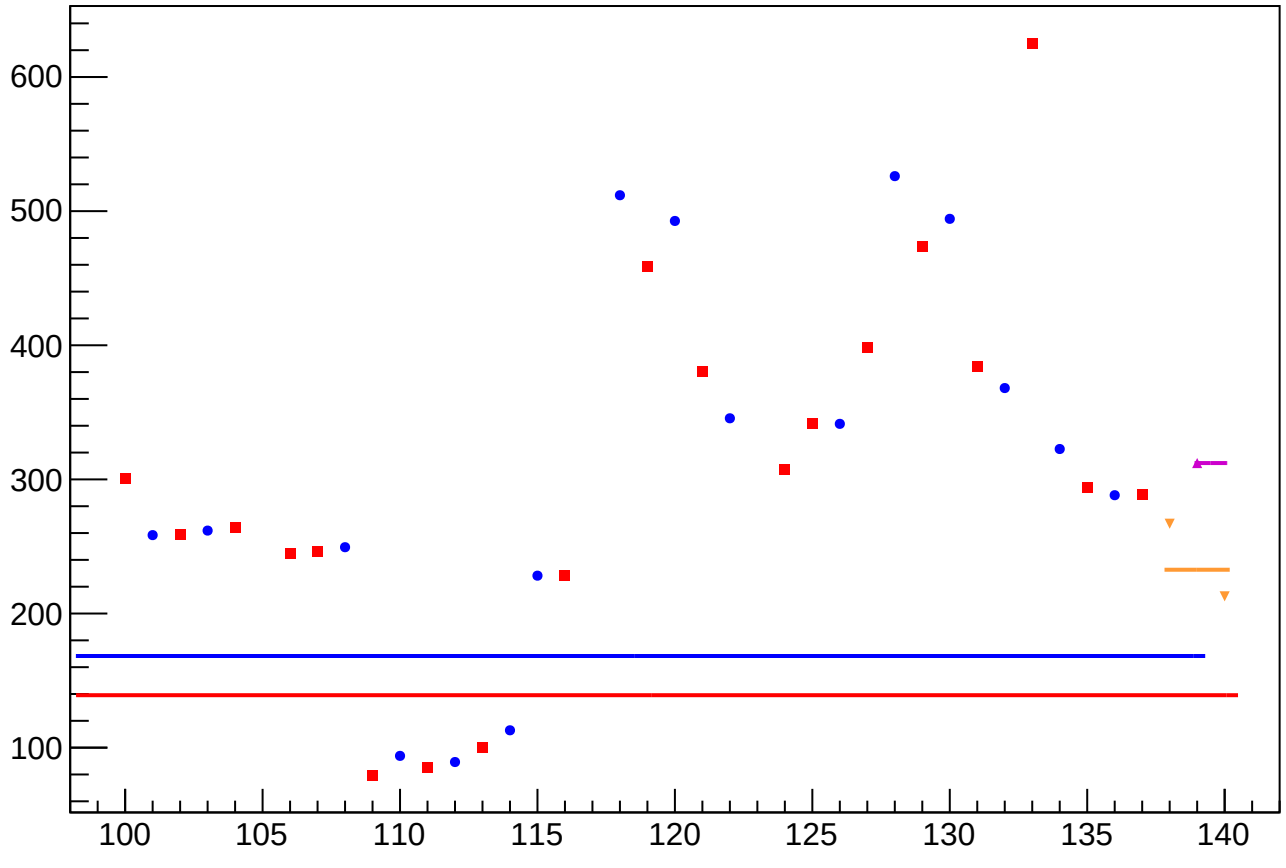
Left: -46.567+/-162.686 χ^2/NDF: 7.5/2

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -76.690+/-74.366 χ^2/NDF:22.9/16

Out: -31.249+/-60.565 χ^2/NDF:15.6/20

All: -49.370+/-46.961 χ^2/NDF: 38.7/37



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 232.647+/-0.131 χ^2/NDF:39648.5/1

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 312.186+/-0.240 χ^2/NDF:0.0/0

Left: 250.872+/-0.115 χ^2/NDF: 124087.9/2

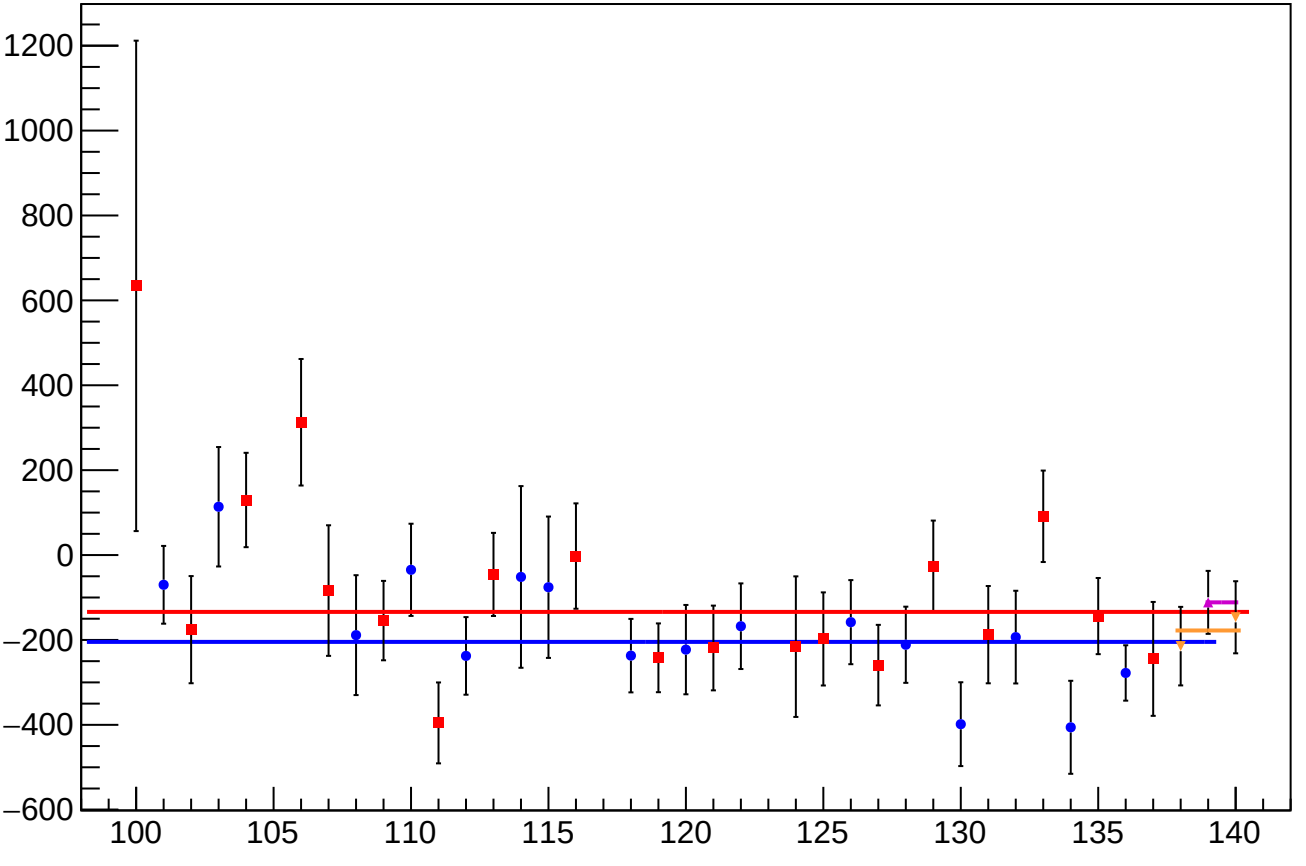
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 175.217+/-0.053 χ^2/NDF:4885259.0/16

Out: 149.099+/-0.043 χ^2/NDF:5624926.7/20

All: 159.514+/-0.033 χ^2/NDF: 10658511.4/37

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -177.686+/-62.567 χ^2/NDF:0.3/1

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -111.448+/-74.169 χ^2/NDF:0.0/0

Left: -150.147+/-47.824 χ^2/NDF: 0.8/2

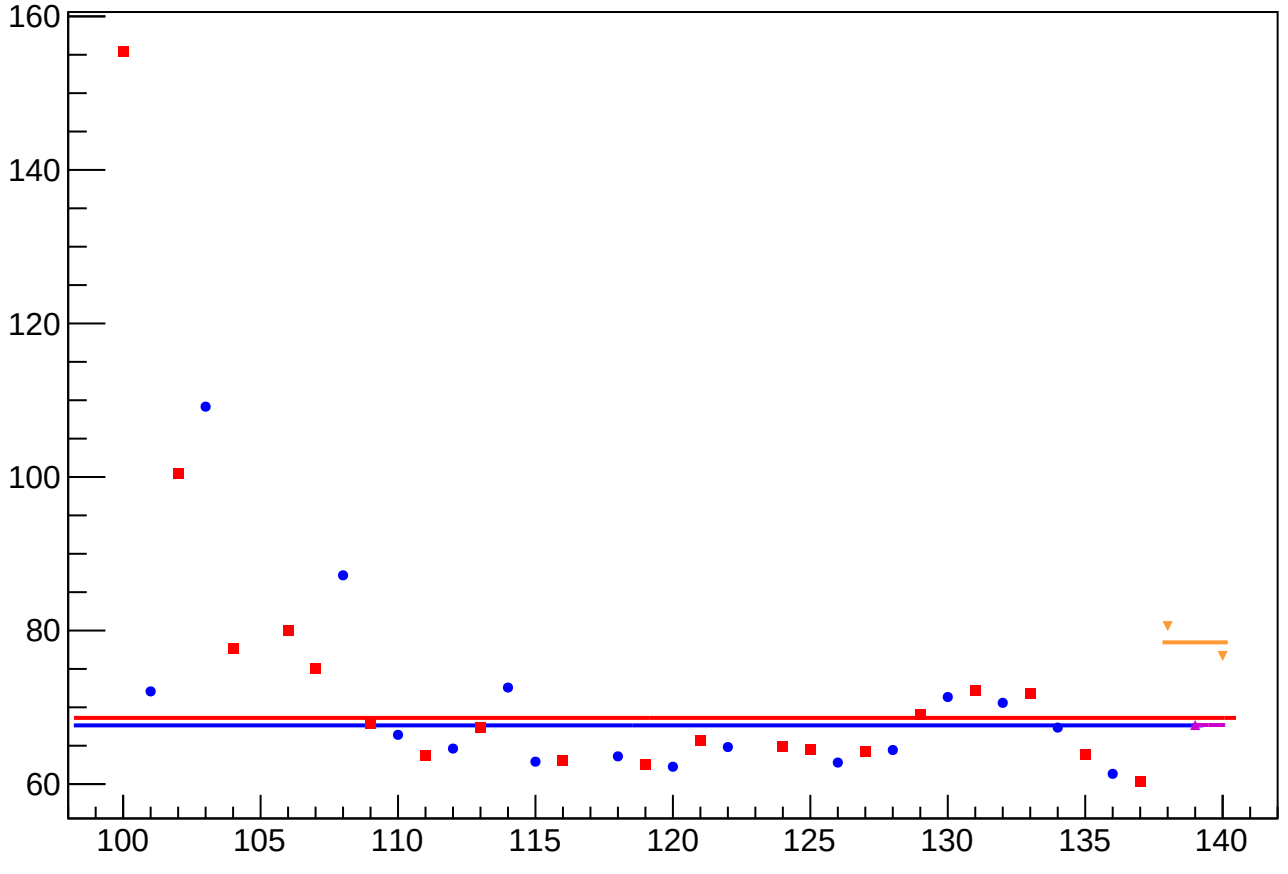
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -194.716+/-24.134 χ^2/NDF:21.4/16

Out: -140.151+/-23.601 χ^2/NDF:37.9/20

All: -166.824+/-16.874 χ^2/NDF: 62.0/37

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 78.462+/-0.044 χ^2/NDF:1910.5/1

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 67.695+/-0.052 χ^2/NDF:0.0/0

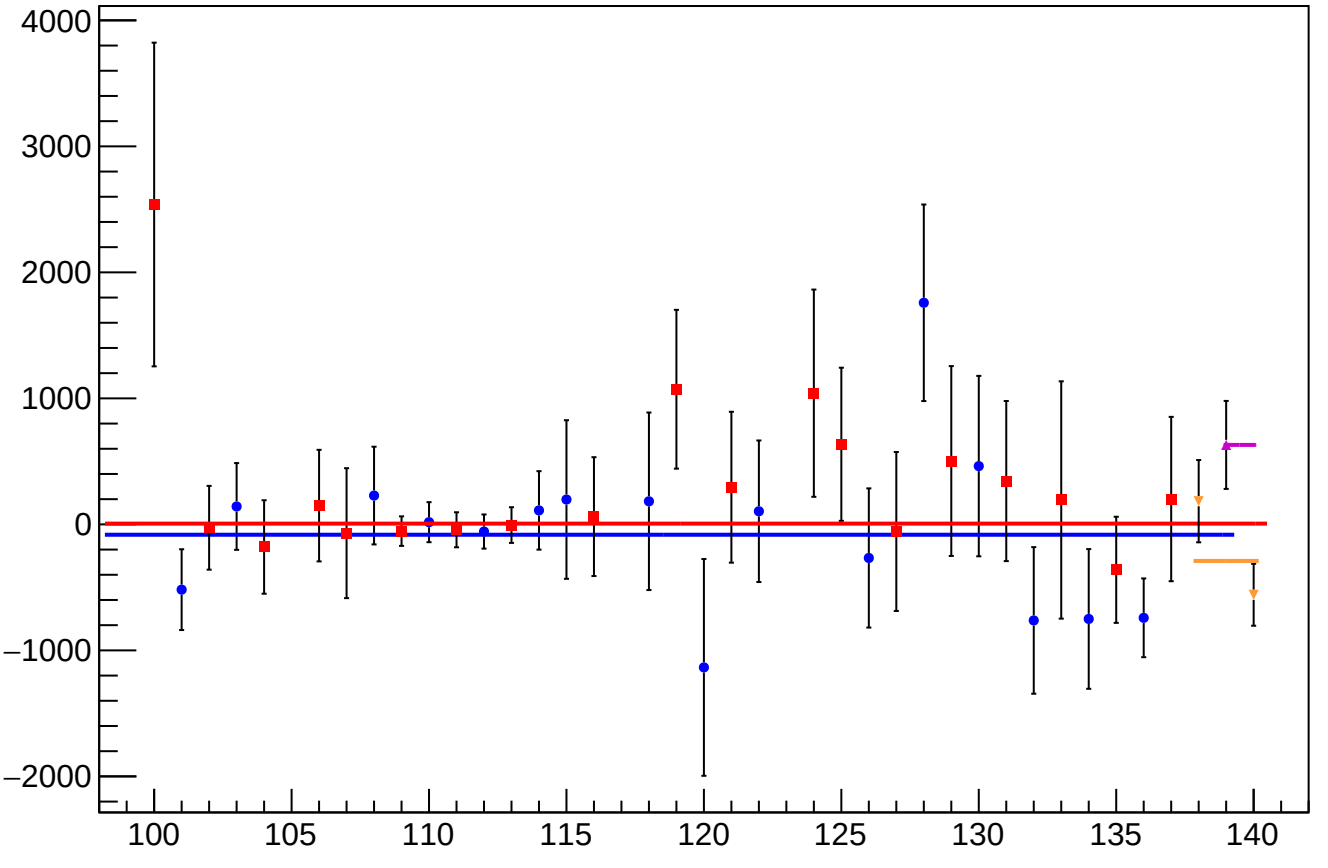
Left: 73.986+/-0.034 χ^2/NDF: 26536.9/2

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 67.652+/-0.017 χ^2/NDF:263670.6/16

Out: 70.024+/-0.017 χ^2/NDF:292491.8/20

All: 68.865+/-0.012 χ^2/NDF: 566032.5/37



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -290.116+/-196.346 χ^2/NDF:3.3/1

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 630.598+/-349.138 χ^2/NDF:0.0/0

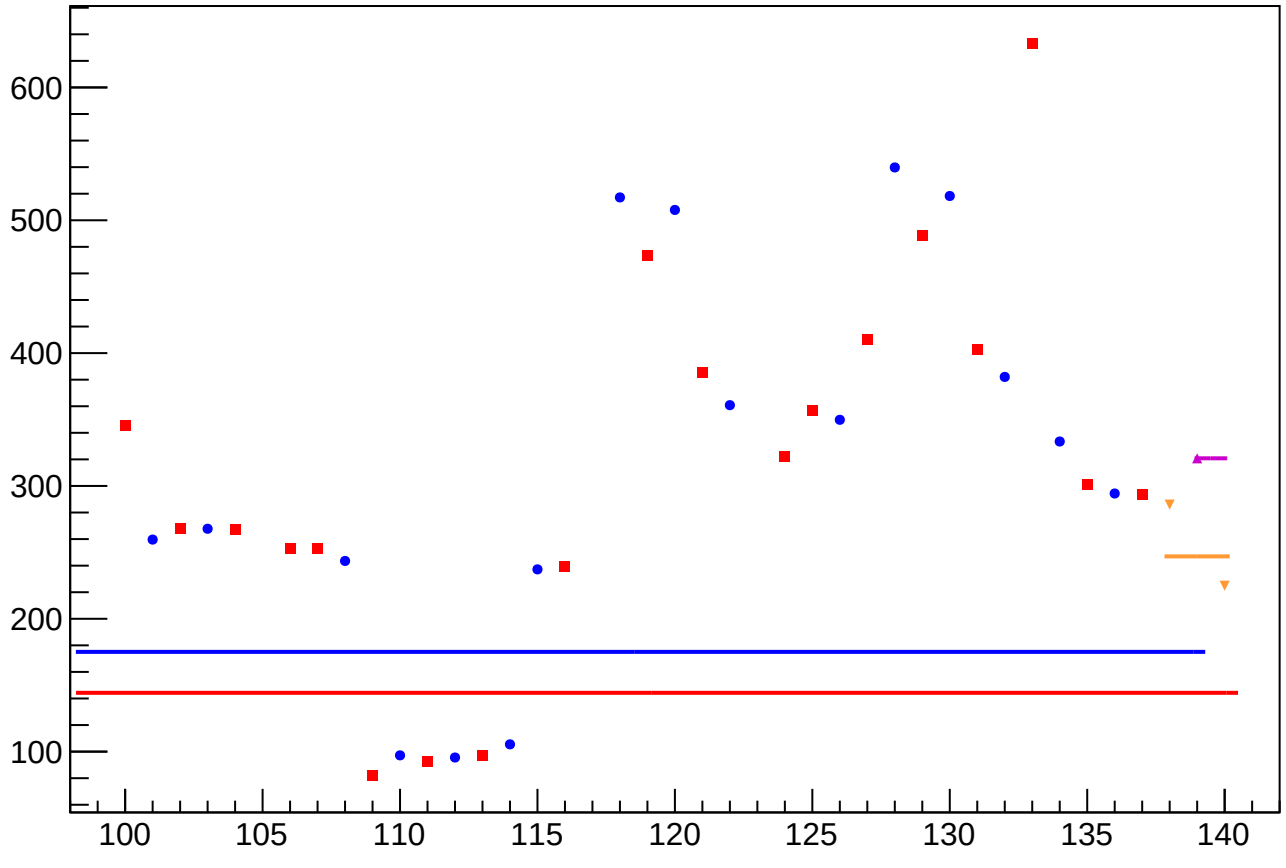
Left: -68.893+/-171.139 χ^2/NDF: 8.6/2

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -47.780+/-76.751 χ^2/NDF:23.2/16

Out: -23.932+/-62.484 χ^2/NDF:17.4/20

All: -33.437+/-48.456 χ^2/NDF: 40.6/37



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 246.968+/-0.139 χ^2/NDF:44643.7/1

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 320.806+/-0.247 χ^2/NDF:0.0/0

Left: 264.710+/-0.121 χ^2/NDF: 112603.1/2

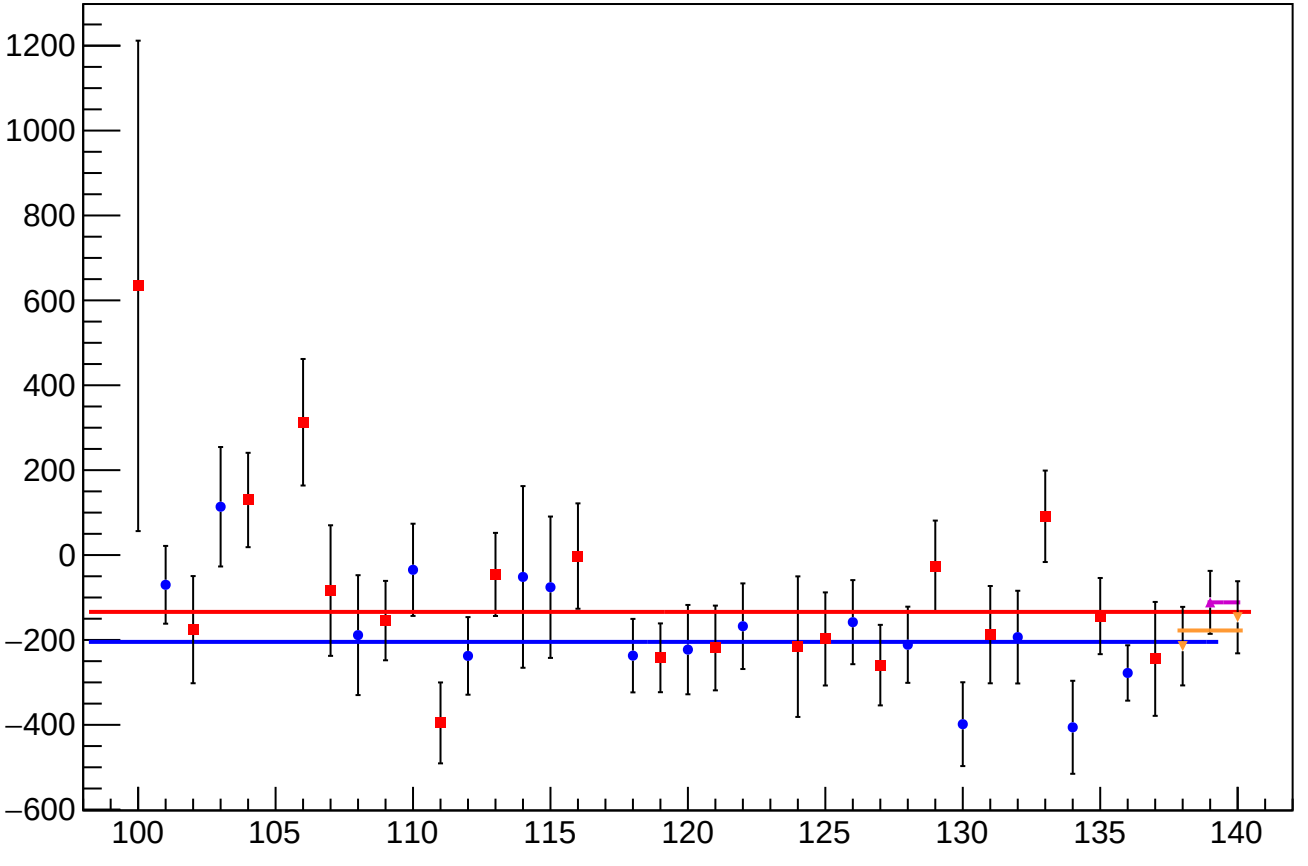
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 182.141+/-0.054 χ^2/NDF:4760576.0/16

Out: 154.676+/-0.044 χ^2/NDF:5668764.7/20

All: 165.623+/-0.034 χ^2/NDF: 10583360.6/37

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -177.687+/-62.567 χ^2/NDF:0.3/1

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -111.449+/-74.169 χ^2/NDF:0.0/0

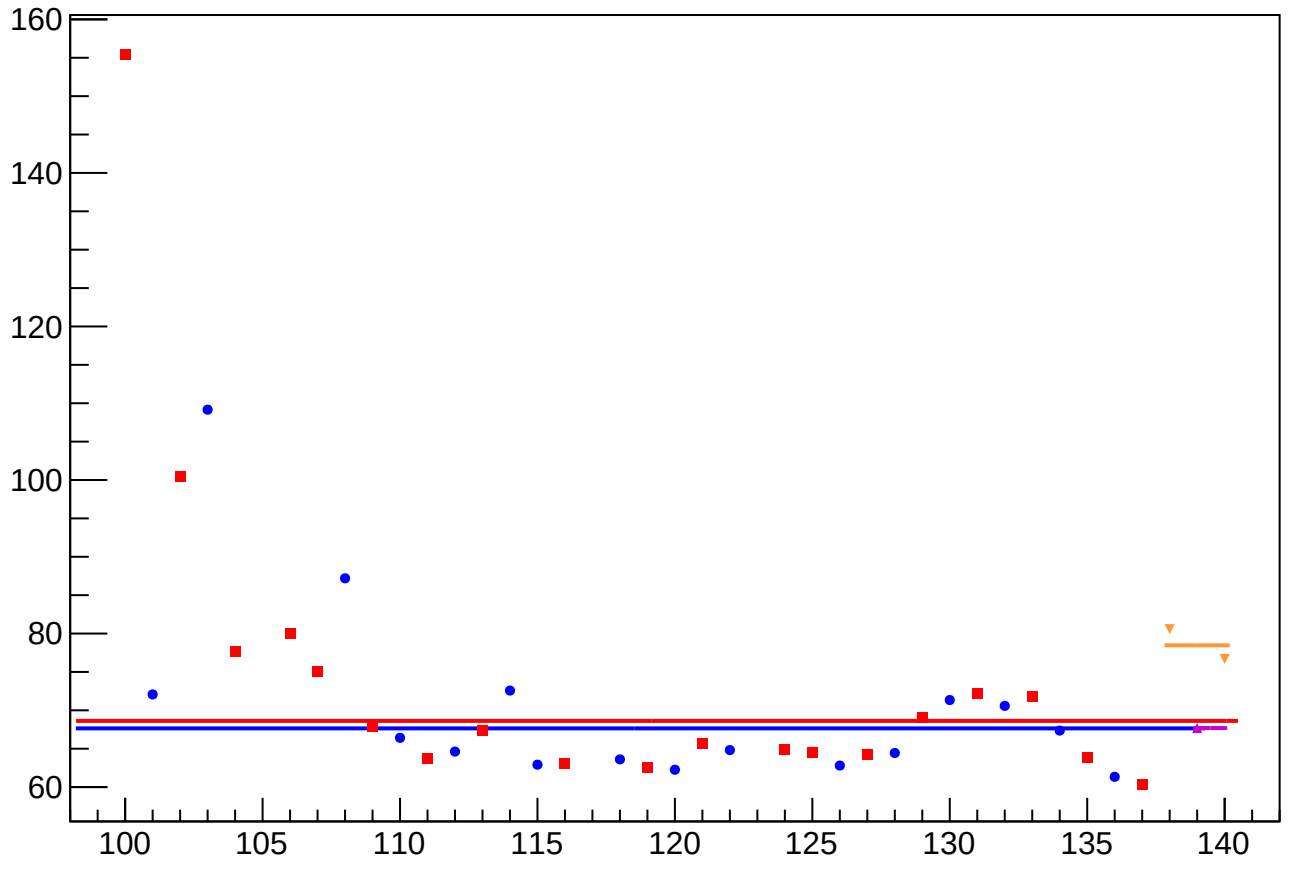
Left: -150.148+/-47.824 χ^2/NDF: 0.8/2

Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -194.716+/-24.134 χ^2/NDF:21.4/16

Out: -140.152+/-23.601 χ^2/NDF:37.9/20

All: -166.825+/-16.874 χ^2/NDF: 62.0/37



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 78.462+/-0.044 χ^2/NDF:1910.3/1

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 67.695+/-0.052 χ^2/NDF:0.0/0

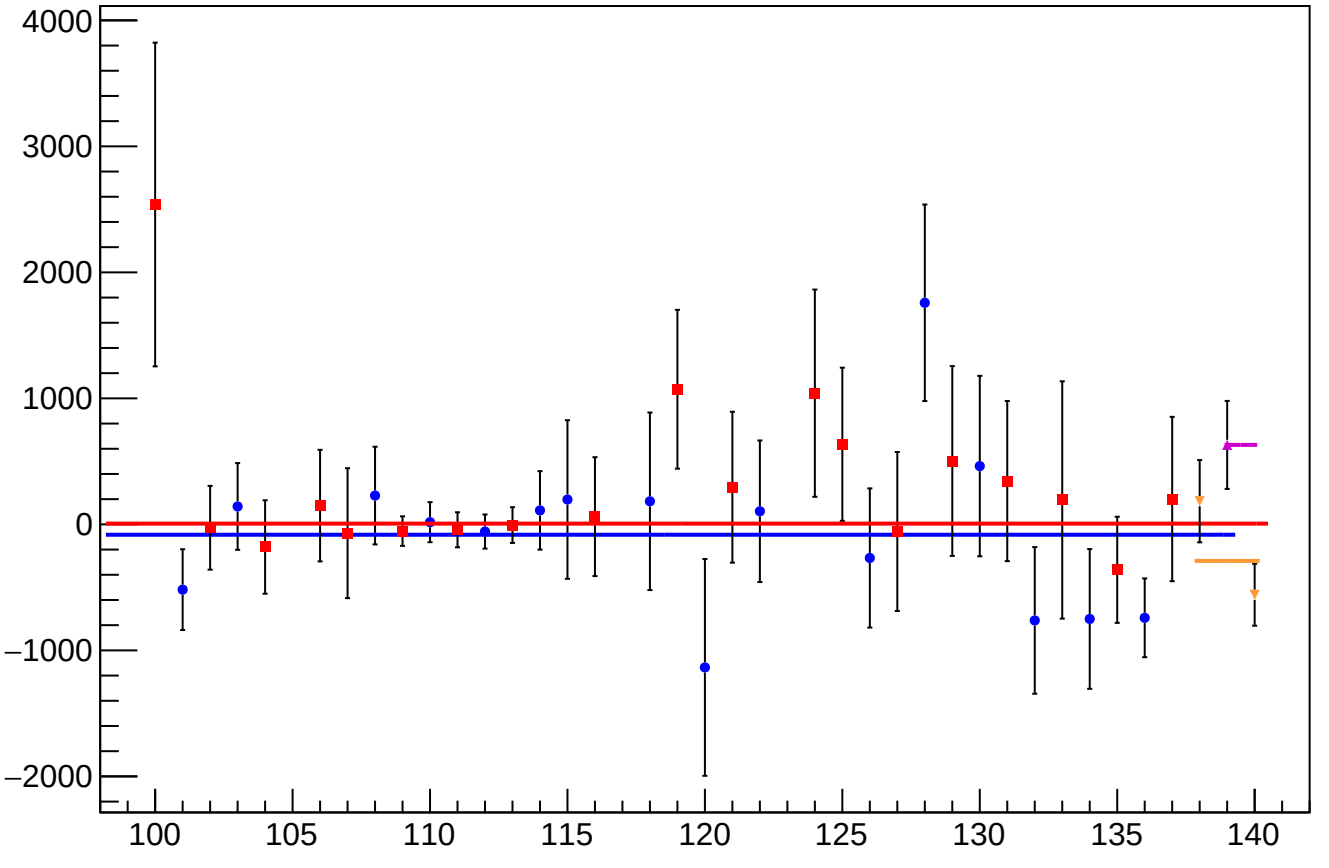
Left: 73.986+/-0.034 χ^2/NDF: 26537.0/2

Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 67.652+/-0.017 χ^2/NDF:263669.7/16

Out: 70.024+/-0.017 χ^2/NDF:292494.6/20

All: 68.864+/-0.012 χ^2/NDF: 566034.2/37



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -290.116+/-196.345 χ^2/NDF:3.3/1

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 630.597+/-349.136 χ^2/NDF:0.0/0

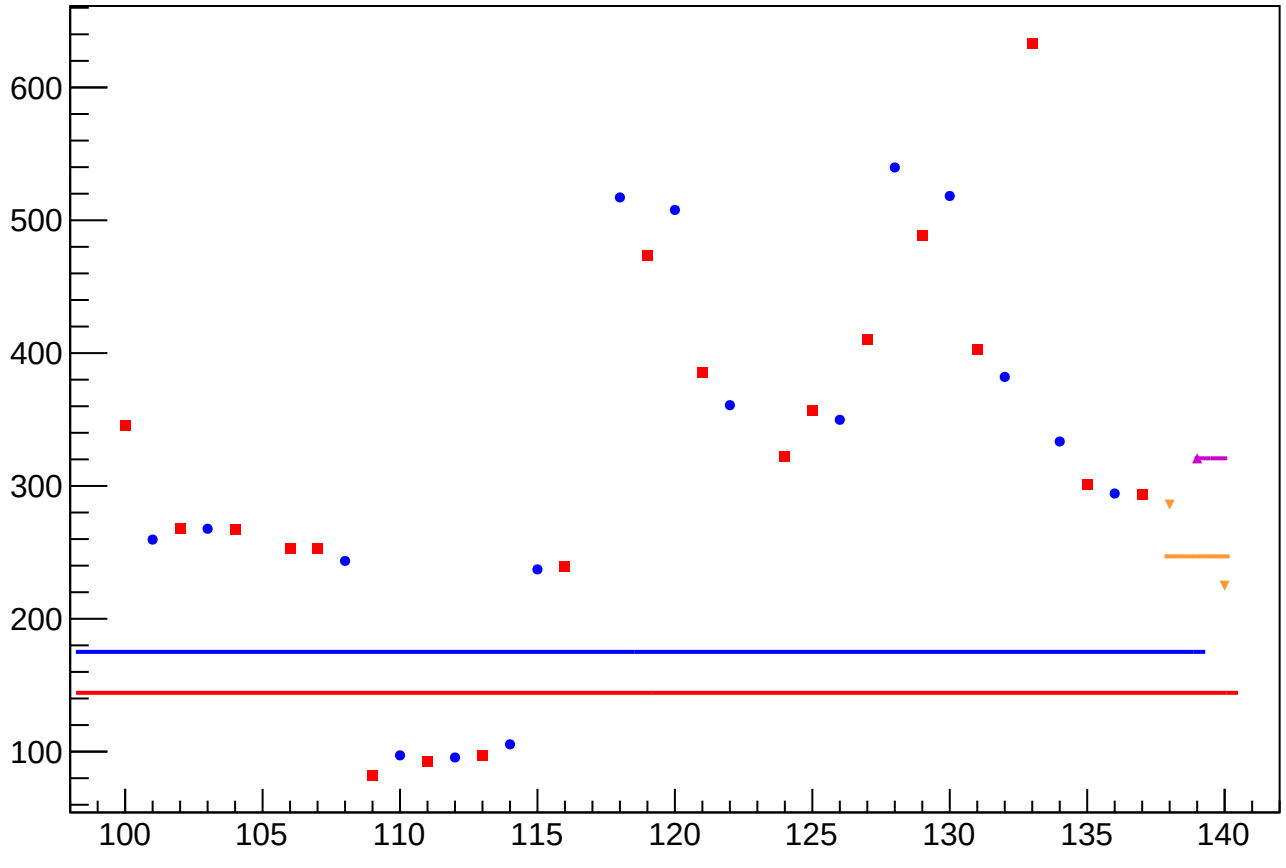
Left: -68.893+/-171.139 χ^2/NDF: 8.6/2

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -47.778+/-76.751 χ^2/NDF:23.2/16

Out: -23.933+/-62.484 χ^2/NDF:17.4/20

All: -33.438+/-48.456 χ^2/NDF: 40.6/37



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 246.967+/-0.139 χ^2/NDF:44642.5/1

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 320.804+/-0.247 χ^2/NDF:0.0/0

Left: 264.708+/-0.121 χ^2/NDF: 112601.3/2

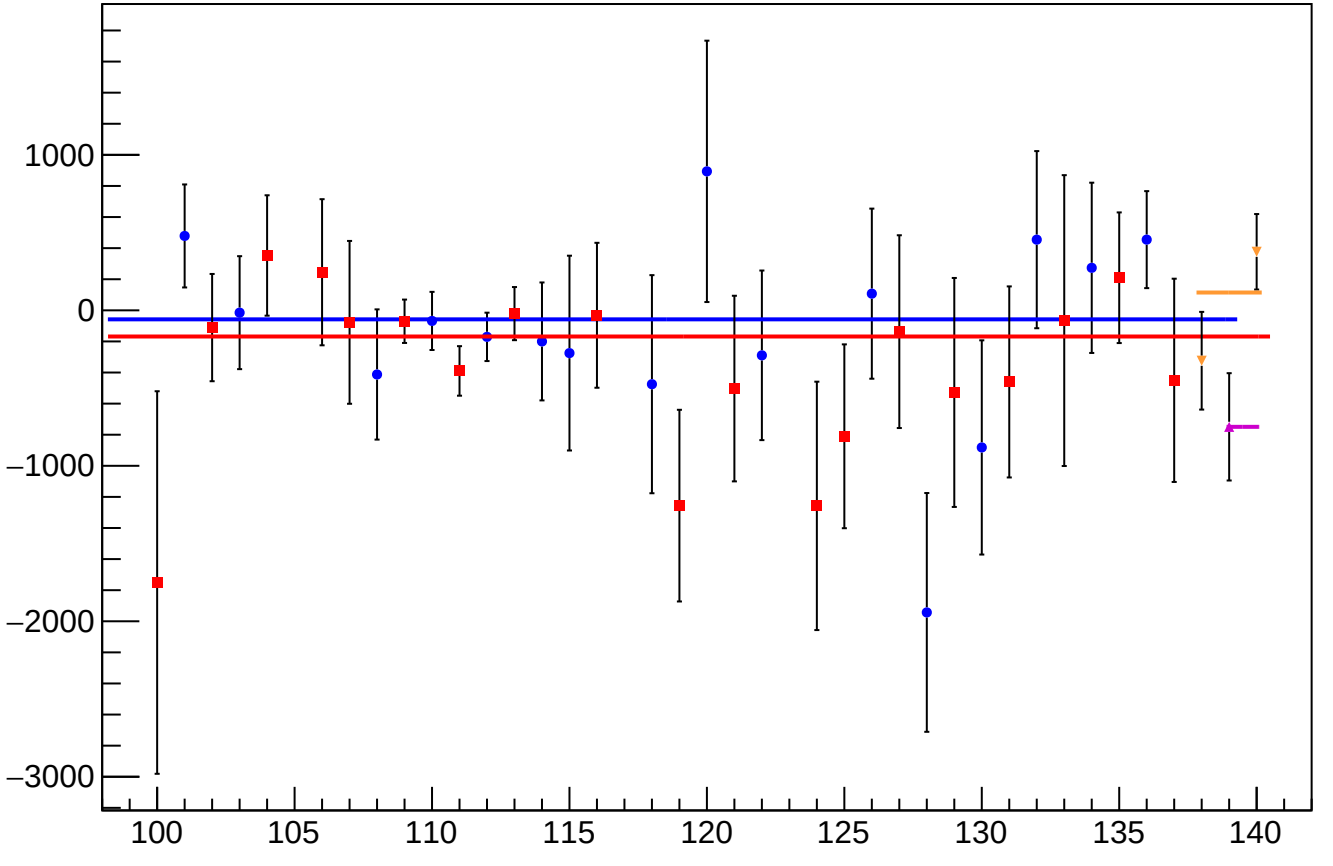
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 182.139+/-0.054 χ^2/NDF:4760599.8/16

Out: 154.676+/-0.044 χ^2/NDF:5668740.7/20

All: 165.623+/-0.034 χ^2/NDF: 10583349.9/37

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 114.609+/-192.109 χ^2/NDF:3.1/1

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -749.352+/-345.139 χ^2/NDF:0.0/0

Left: -89.749+/-167.858 χ^2/NDF: 7.9/2

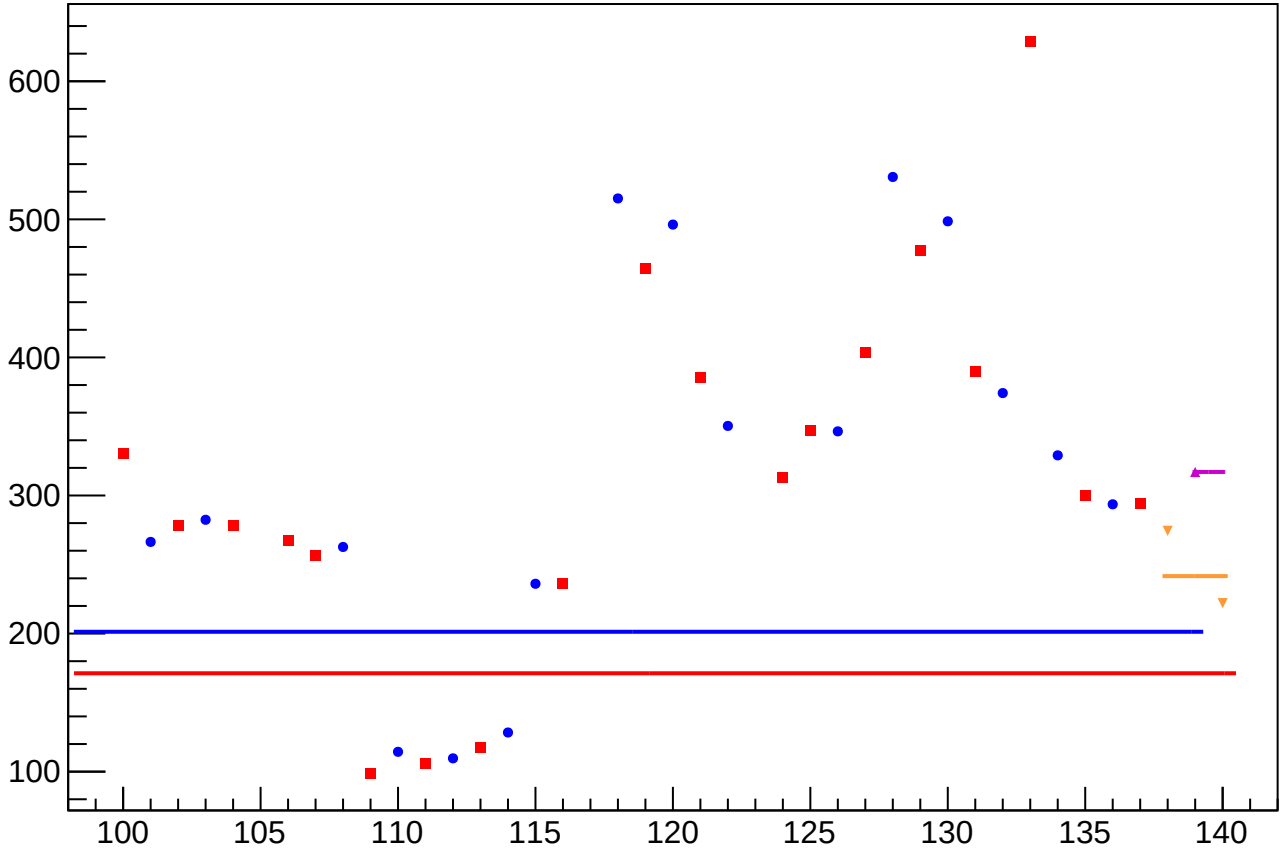
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -99.179+/-84.261 χ^2/NDF:21.2/16

Out: -131.250+/-69.539 χ^2/NDF:20.5/20

All: -118.256+/-53.633 χ^2/NDF: 41.7/37

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 241.617+/-0.136 χ^2/NDF:34793.6/1

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 317.040+/-0.244 χ^2/NDF:0.0/0

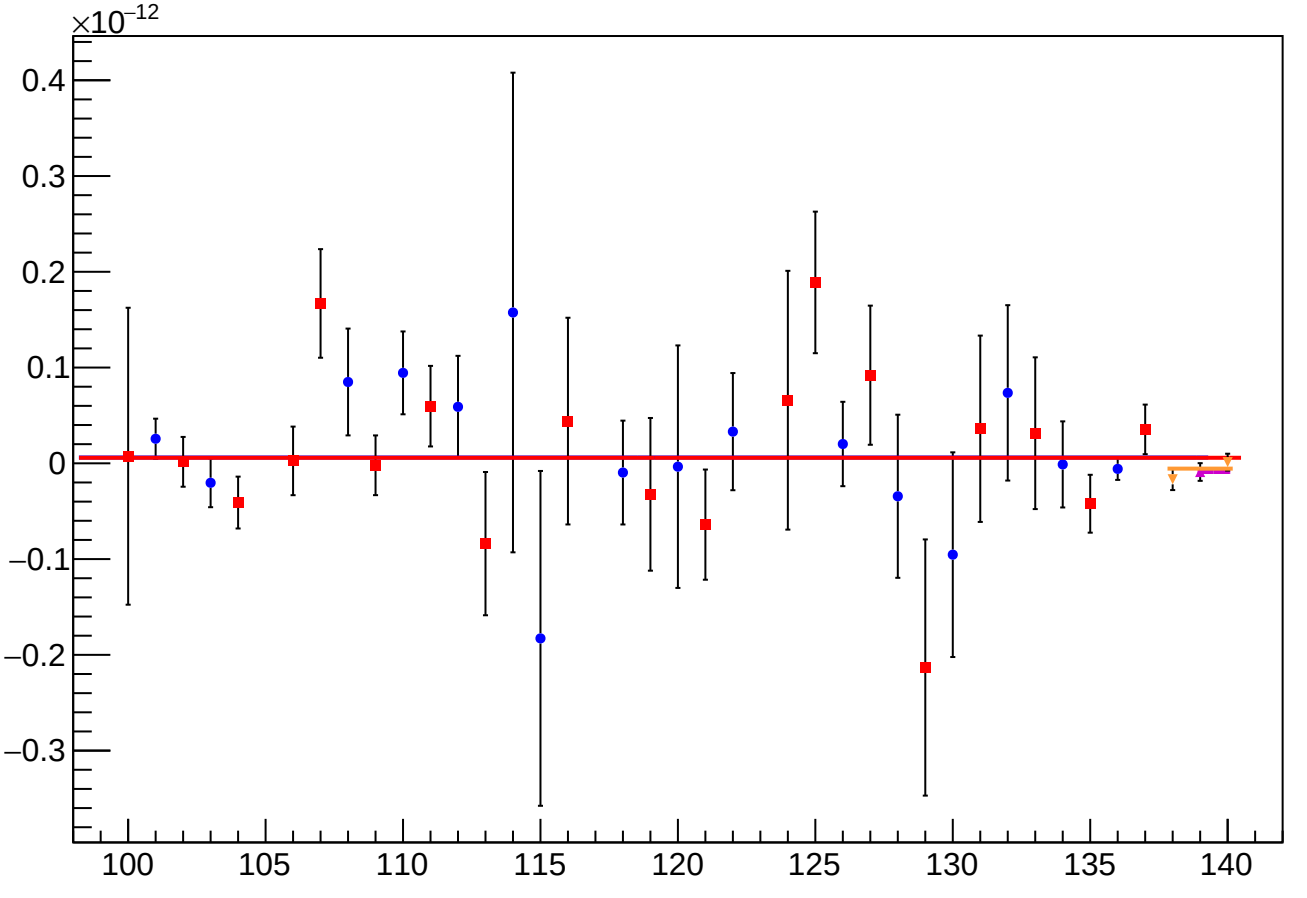
Left: 259.457+/-0.119 χ^2/NDF: 107712.4/2

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 208.200+/-0.060 χ^2/NDF:3783699.3/16

Out: 180.471+/-0.049 χ^2/NDF:4460509.4/20

All: 191.705+/-0.038 χ^2/NDF: 8373042.8/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

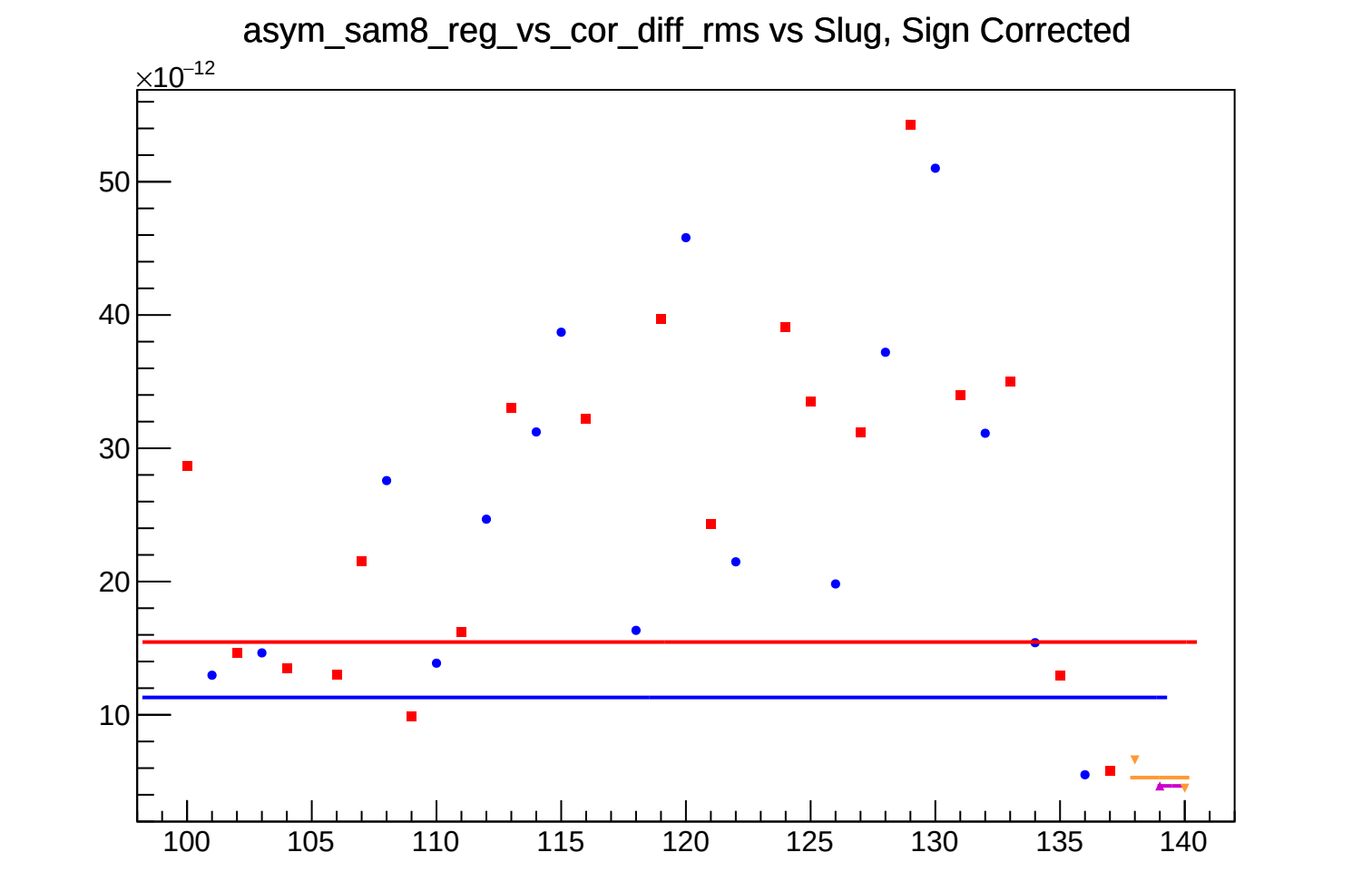
Left: -0.000+/-0.000 χ^2/NDF: 1.7/2

Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:15.3/16

Out: -0.000+/-0.000 χ^2/NDF:32.9/20

All: -0.000+/-0.000 χ^2/NDF: 48.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:43995.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

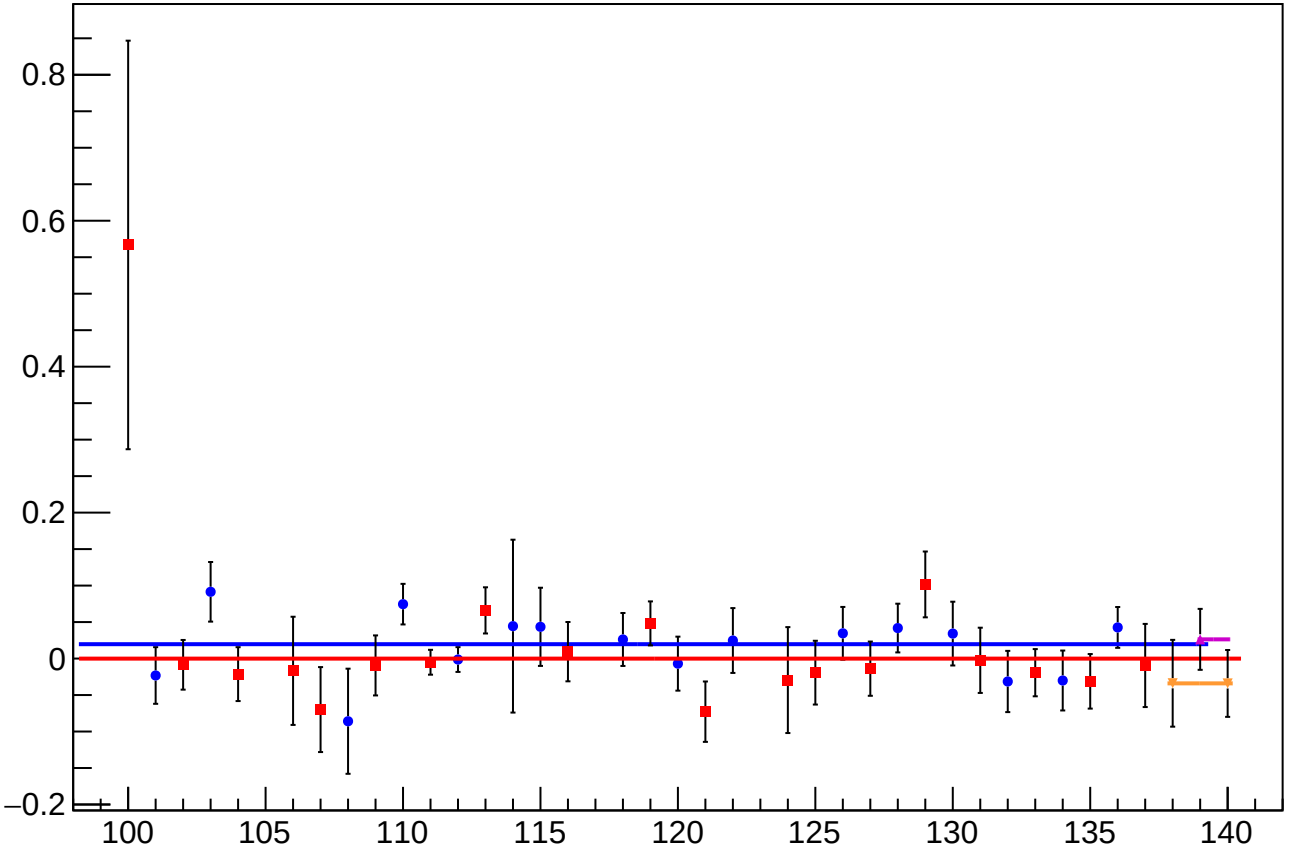
Left: 0.000+/-0.000 χ^2/NDF: 49858.9/2

Right: 0.000+/-0.000 χ^2/NDF: 3431603.8/34

In: 0.000+/-0.000 χ^2/NDF:2362492.7/16

Out: 0.000+/-0.000 χ^2/NDF:2846304.0/20

All: 0.000+/-0.000 χ^2/NDF: 5209495.7/37



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.034+/-0.036 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.026+/-0.042 χ^2/NDF:0.0/0

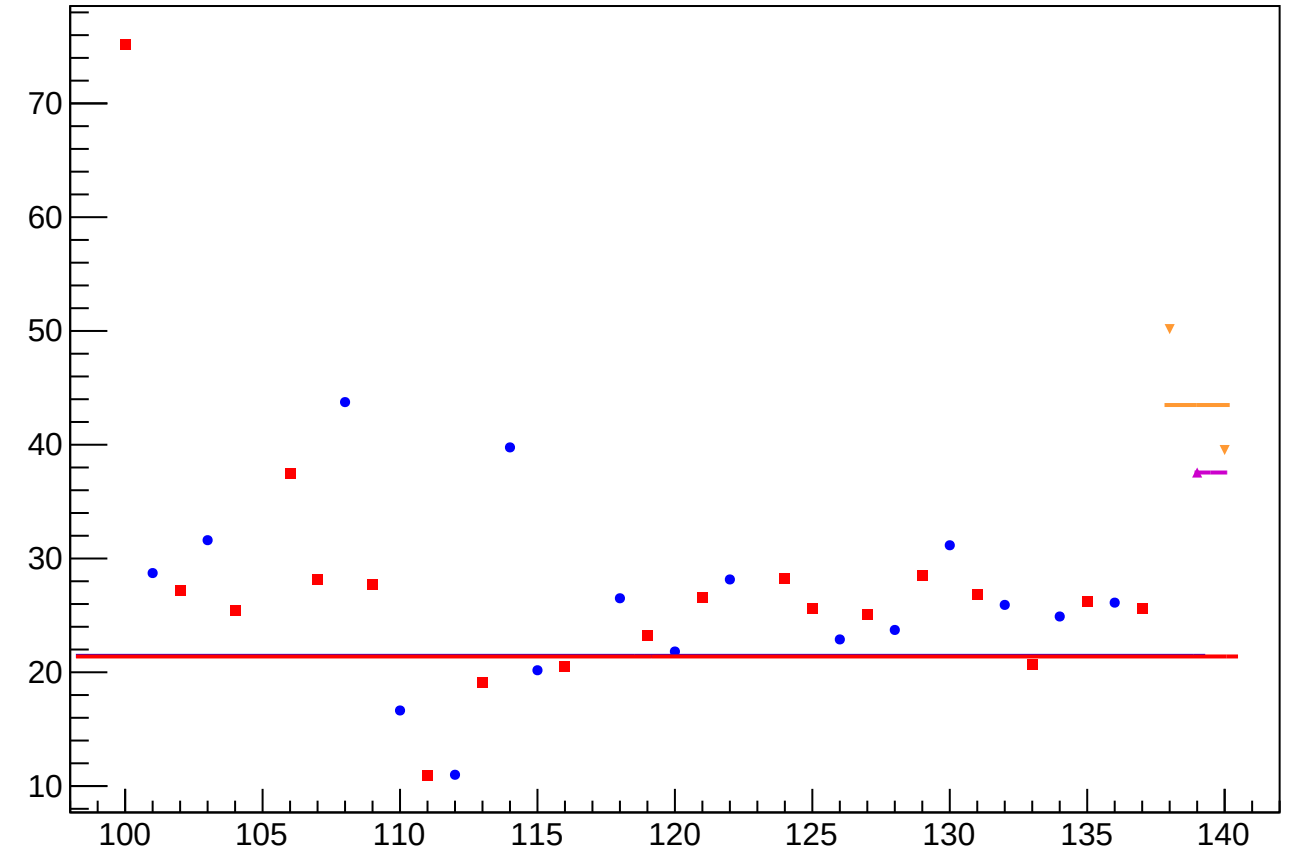
Left: -0.008+/-0.027 χ^2/NDF: 1.2/2

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.020+/-0.009 χ^2/NDF:17.1/16

Out: -0.002+/-0.008 χ^2/NDF:23.7/20

All: 0.009+/-0.006 χ^2/NDF: 44.1/37



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 43.491+/-0.026 χ^2/NDF:40075.6/1

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 37.558+/-0.030 χ^2/NDF:0.0/0

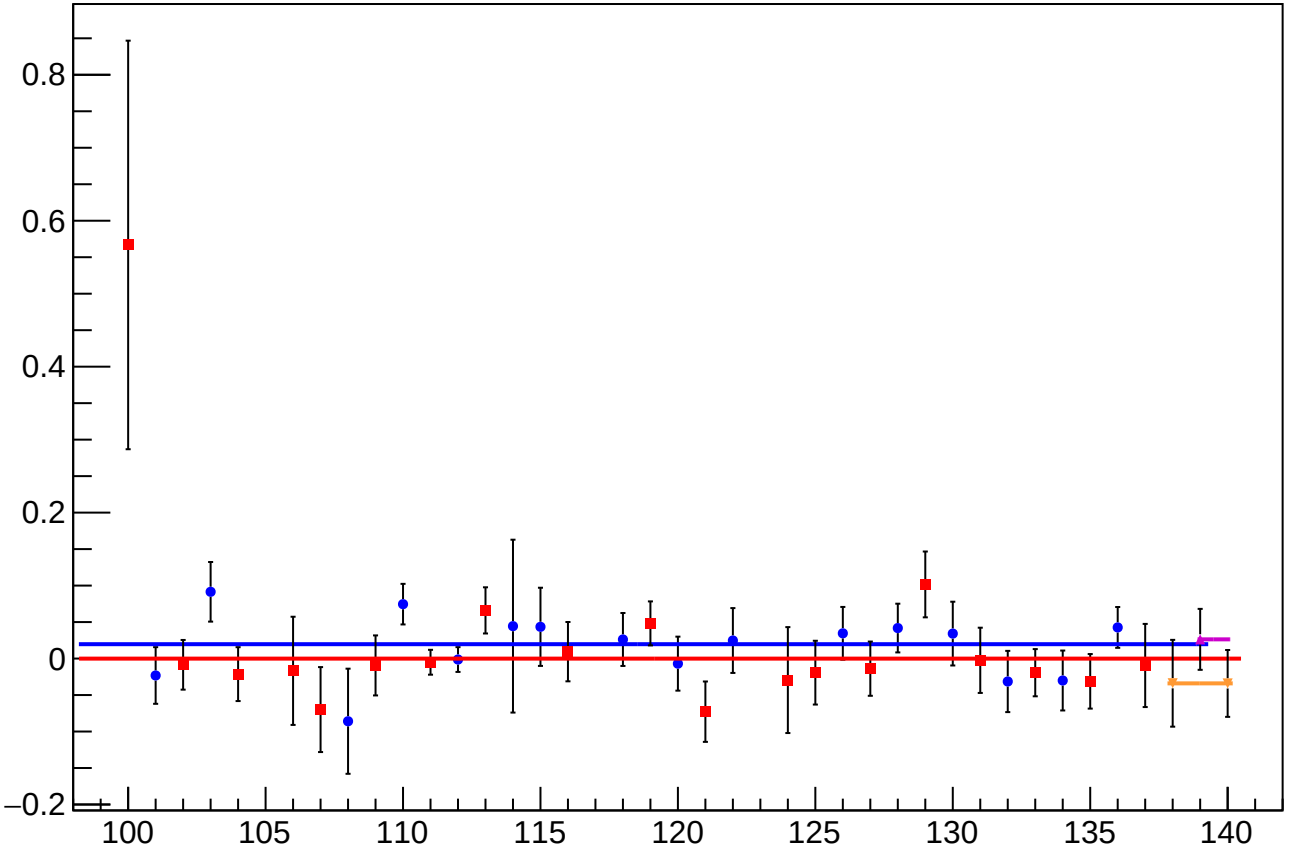
Left: 40.938+/-0.019 χ^2/NDF: 63067.9/2

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.112+/-0.006 χ^2/NDF:1826193.5/16

Out: 22.540+/-0.006 χ^2/NDF:2054923.8/20

All: 22.332+/-0.004 χ^2/NDF: 3883722.3/37



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.034+/-0.036 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.026+/-0.042 χ^2/NDF:0.0/0

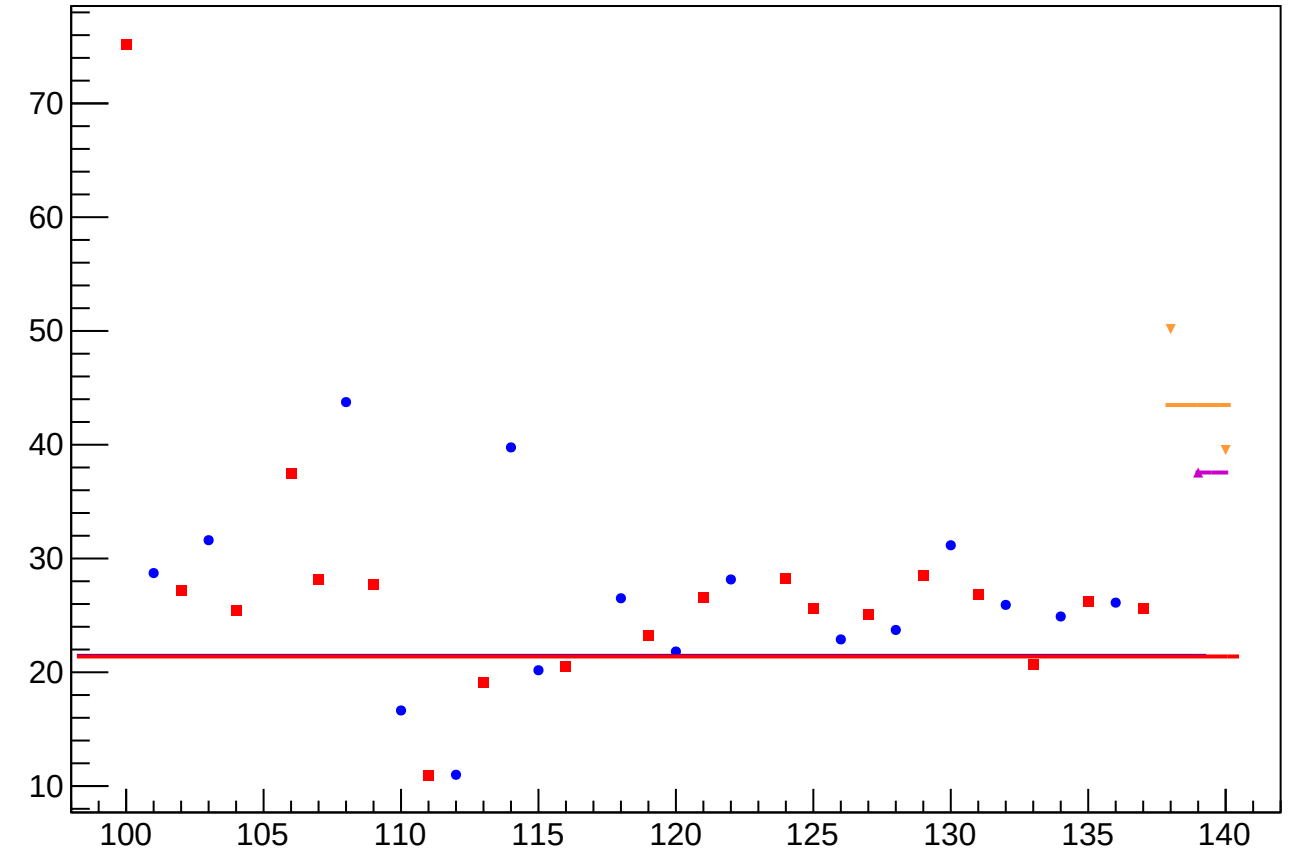
Left: -0.008+/-0.027 χ^2/NDF: 1.2/2

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.020+/-0.009 χ^2/NDF:17.1/16

Out: -0.002+/-0.008 χ^2/NDF:23.7/20

All: 0.009+/-0.006 χ^2/NDF: 44.1/37



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 43.491+/-0.026 χ^2/NDF:40075.6/1

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 37.558+/-0.030 χ^2/NDF:0.0/0

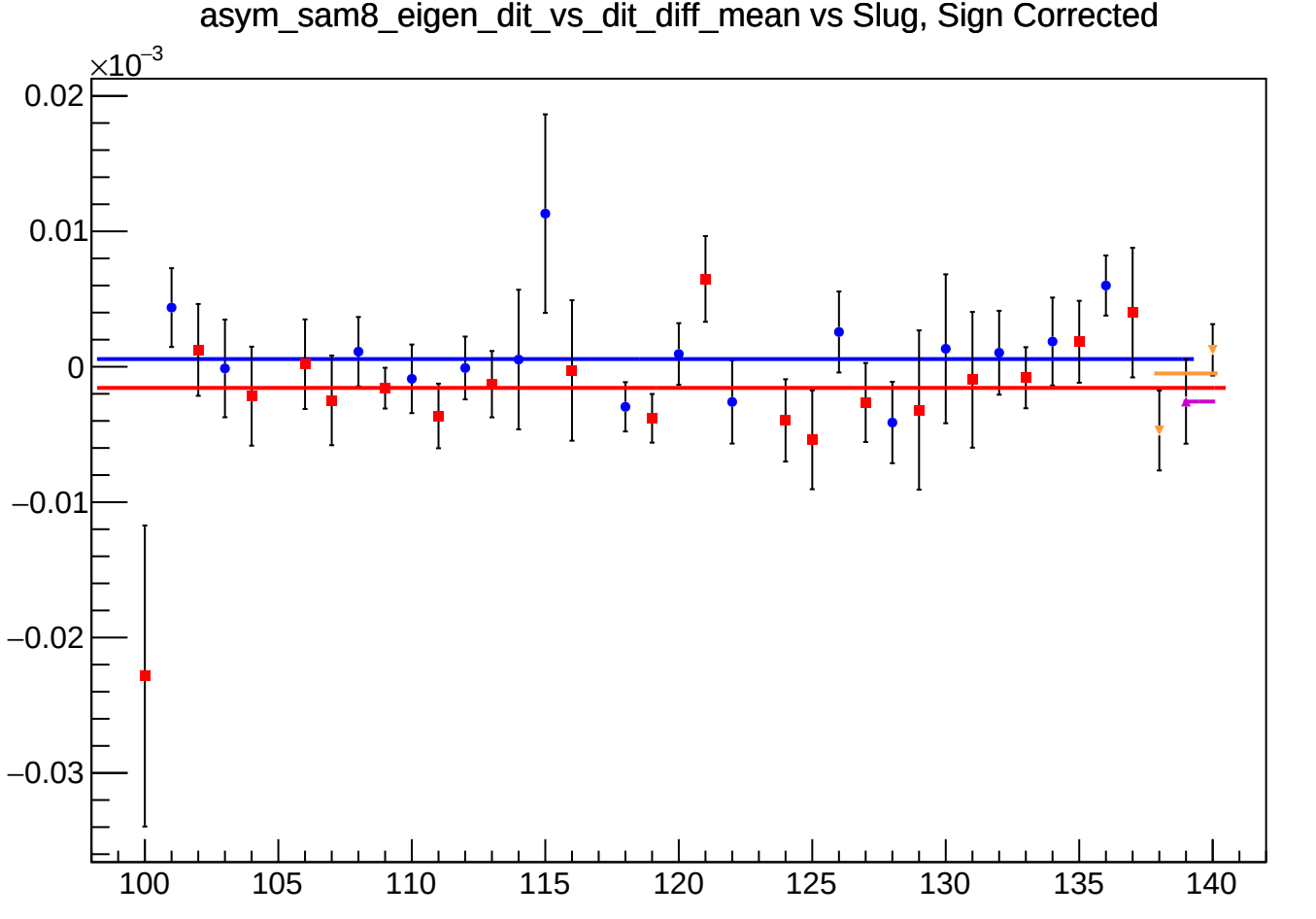
Left: 40.938+/-0.019 χ^2/NDF: 63067.9/2

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.112+/-0.006 χ^2/NDF:1826193.5/16

Out: 22.540+/-0.006 χ^2/NDF:2054923.8/20

All: 22.332+/-0.004 χ^2/NDF: 3883722.3/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

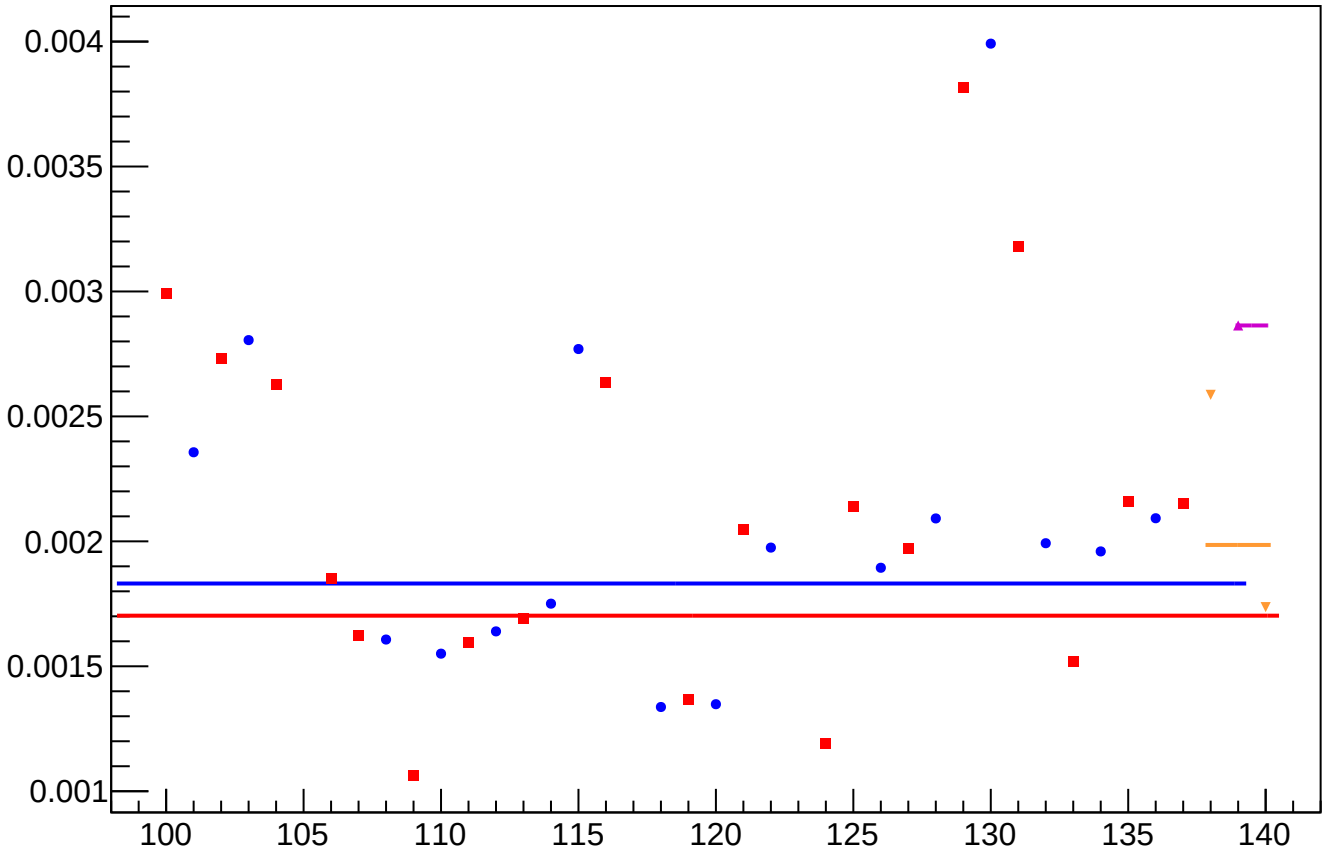
Left: -0.000+/-0.000 χ^2/NDF: 3.2/2

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:19.2/16

Out: -0.000+/-0.000 χ^2/NDF:21.5/20

All: -0.000+/-0.000 χ^2/NDF: 44.7/37



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:117301.6/1

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

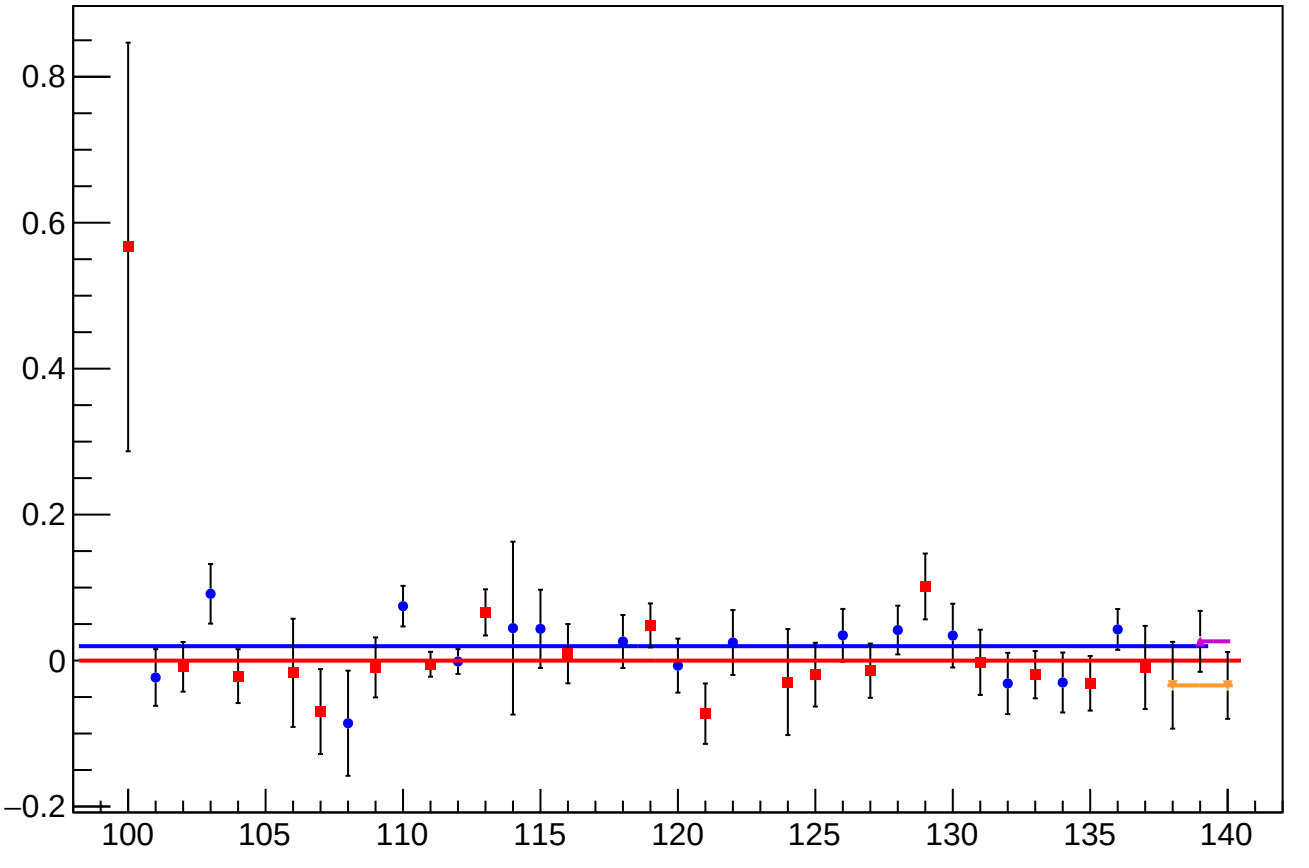
Left: 0.002+/-0.000 χ^2/NDF: 243283.1/2

Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1109532.2/16

Out: 0.002+/-0.000 χ^2/NDF:1649074.6/20

All: 0.002+/-0.000 χ^2/NDF: 2803669.8/37



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.034+/-0.036 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.026+/-0.042 χ^2/NDF:0.0/0

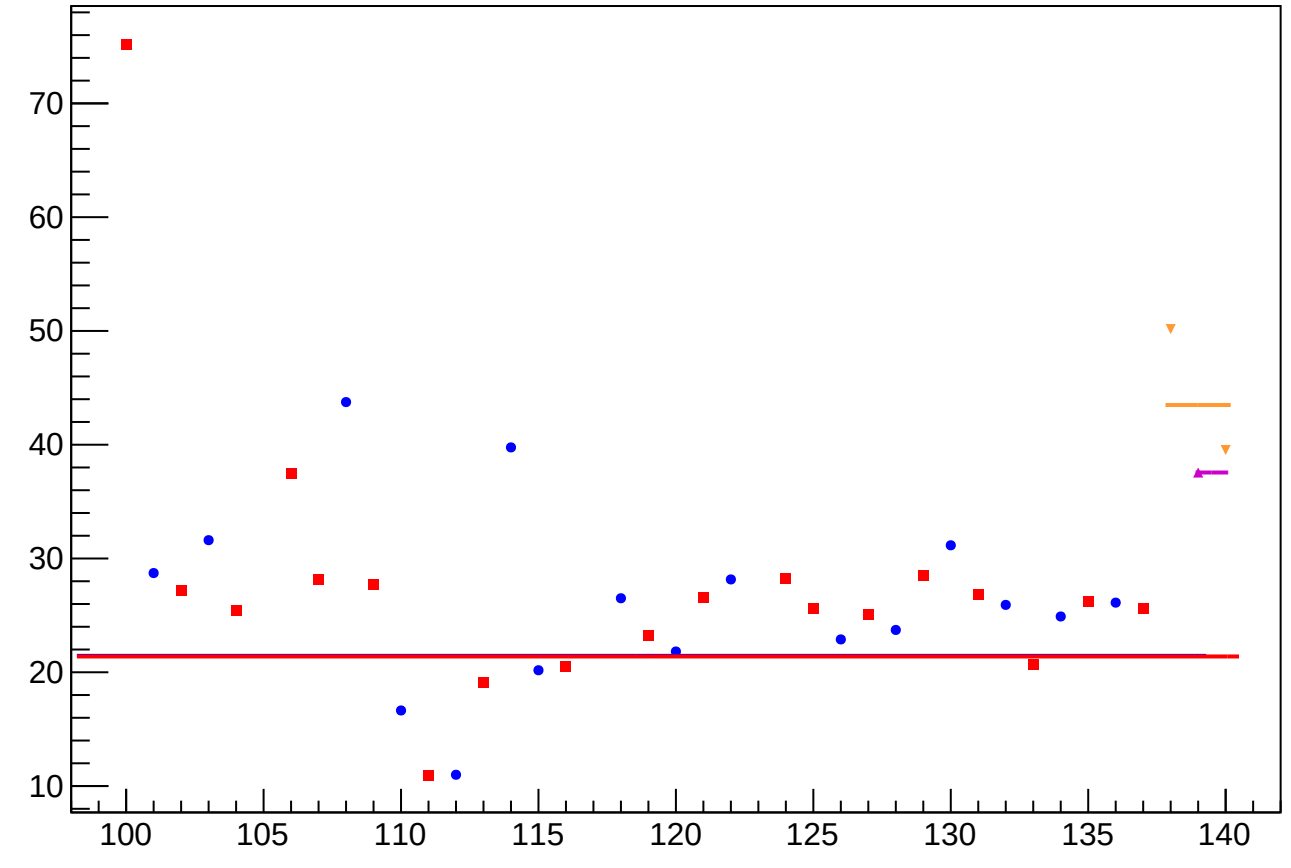
Left: -0.008+/-0.027 χ^2/NDF: 1.2/2

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.020+/-0.009 χ^2/NDF:17.1/16

Out: -0.002+/-0.008 χ^2/NDF:23.7/20

All: 0.009+/-0.006 χ^2/NDF: 44.1/37



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 43.491+/-0.026 χ^2/NDF:40071.4/1

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 37.558+/-0.030 χ^2/NDF:0.0/0

Left: 40.937+/-0.019 χ^2/NDF: 63065.2/2

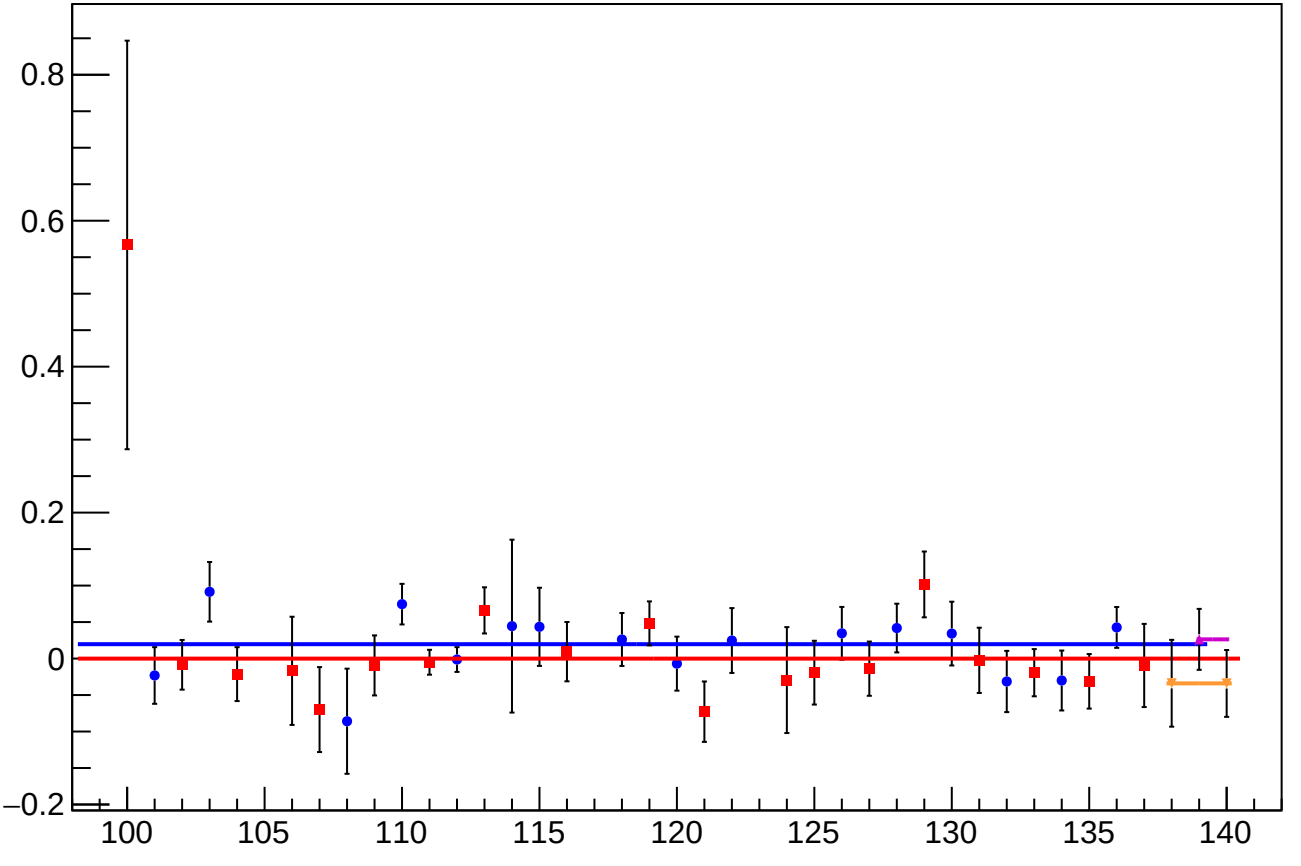
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.111+/-0.006 χ^2/NDF:1826361.2/16

Out: 22.539+/-0.006 χ^2/NDF:2055086.7/20

All: 22.331+/-0.004 χ^2/NDF: 3884053.1/37

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.034+/-0.036 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.026+/-0.042 χ^2/NDF:0.0/0

Left: -0.008+/-0.027 χ^2/NDF: 1.2/2

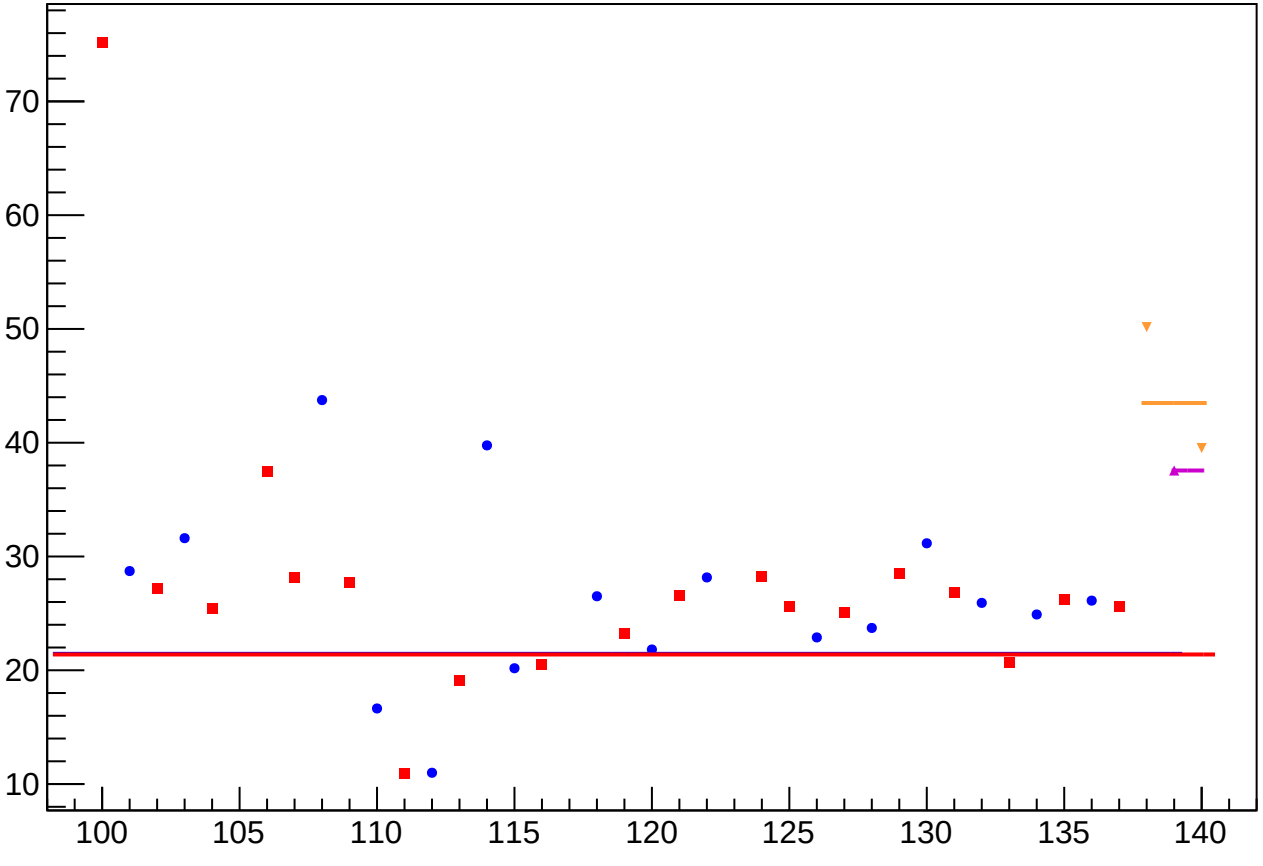
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.020+/-0.009 χ^2/NDF:17.1/16

Out: -0.002+/-0.008 χ^2/NDF:23.7/20

All: 0.009+/-0.006 χ^2/NDF: 44.1/37

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 43.491+/-0.026 χ^2/NDF:40071.4/1

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 37.558+/-0.030 χ^2/NDF:0.0/0

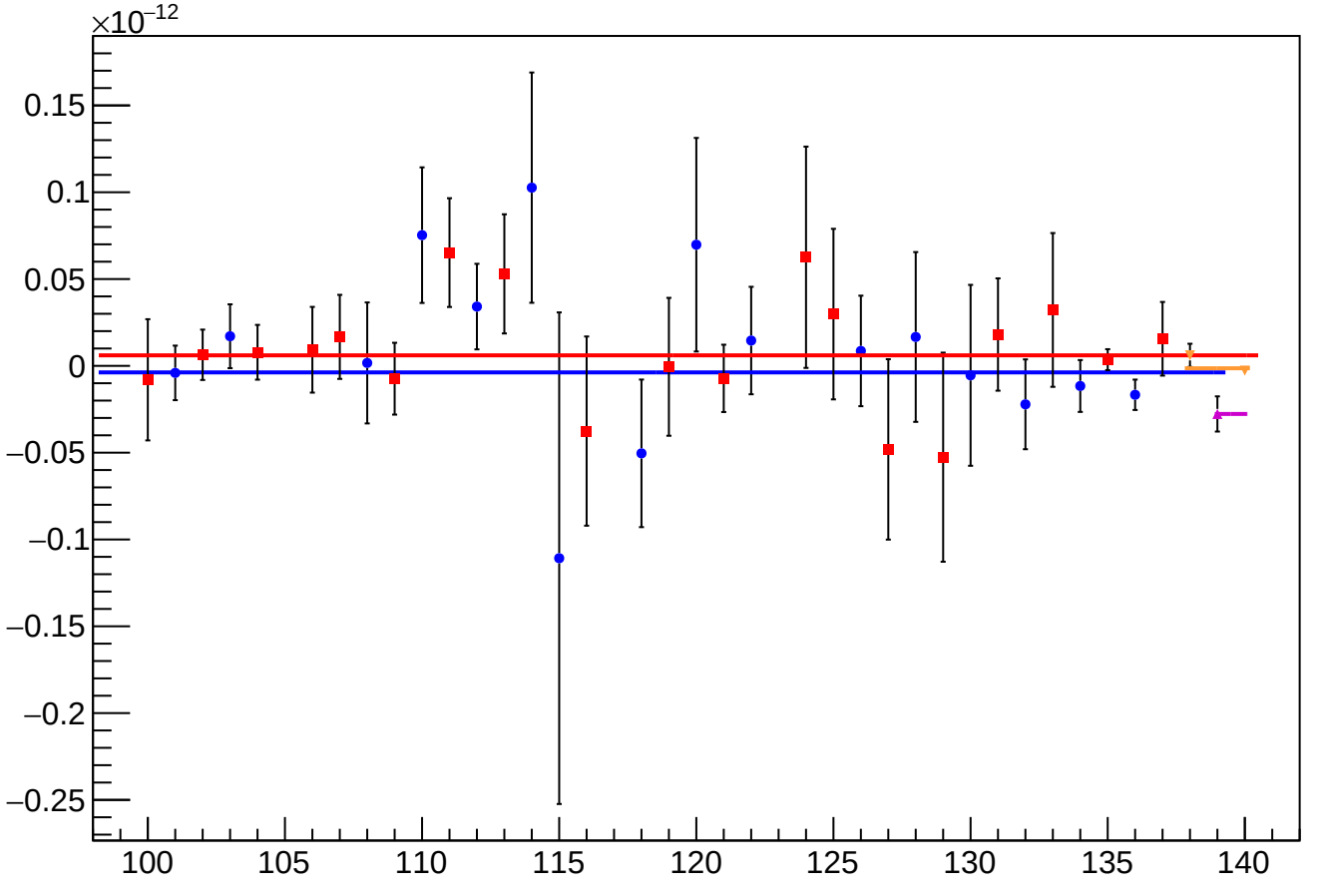
Left: 40.937+/-0.019 χ^2/NDF: 63065.2/2

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.111+/-0.006 χ^2/NDF:1826361.2/16

Out: 22.539+/-0.006 χ^2/NDF:2055086.7/20

All: 22.331+/-0.004 χ^2/NDF: 3884053.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

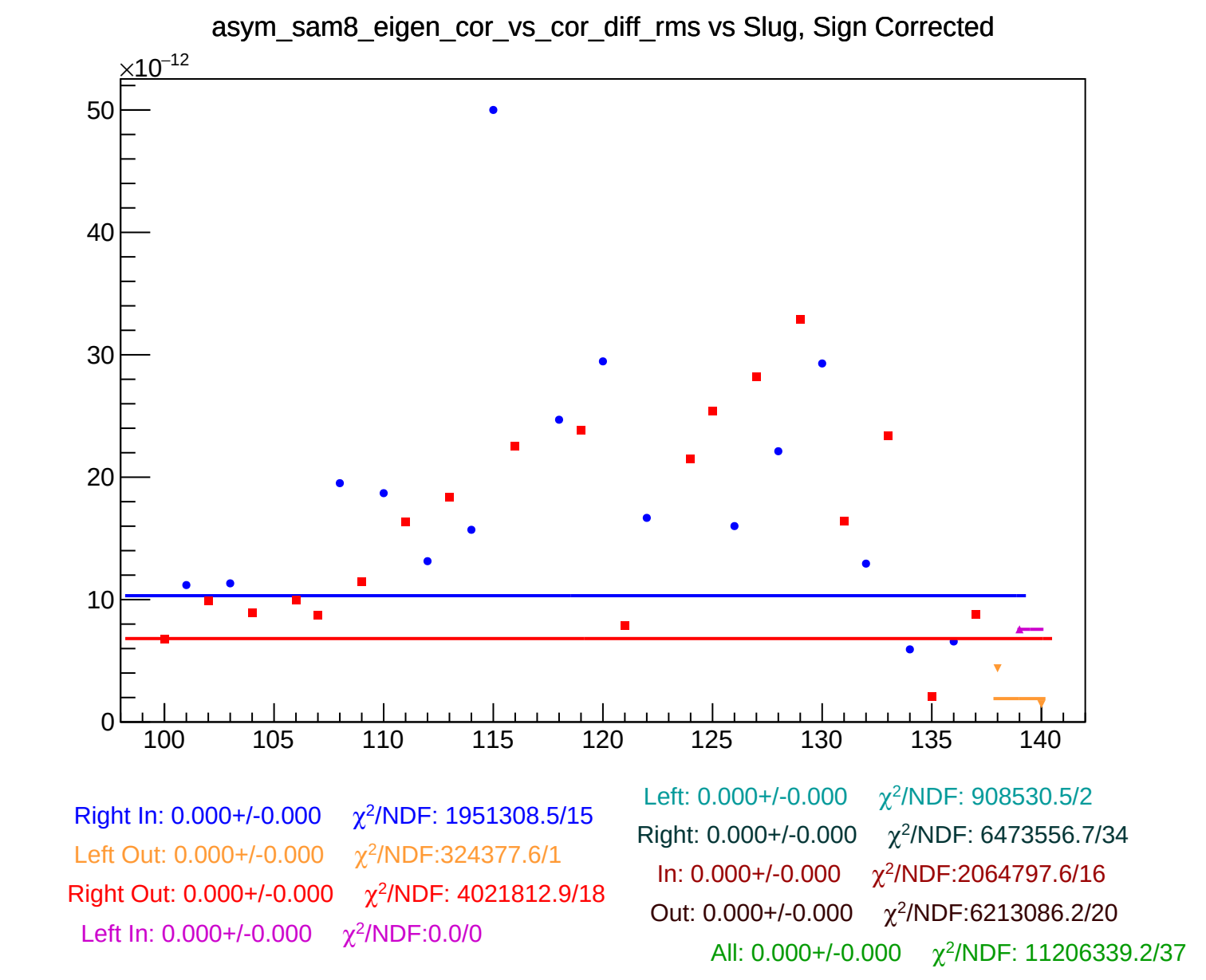
Left: -0.000+/-0.000 χ^2/NDF: 7.8/2

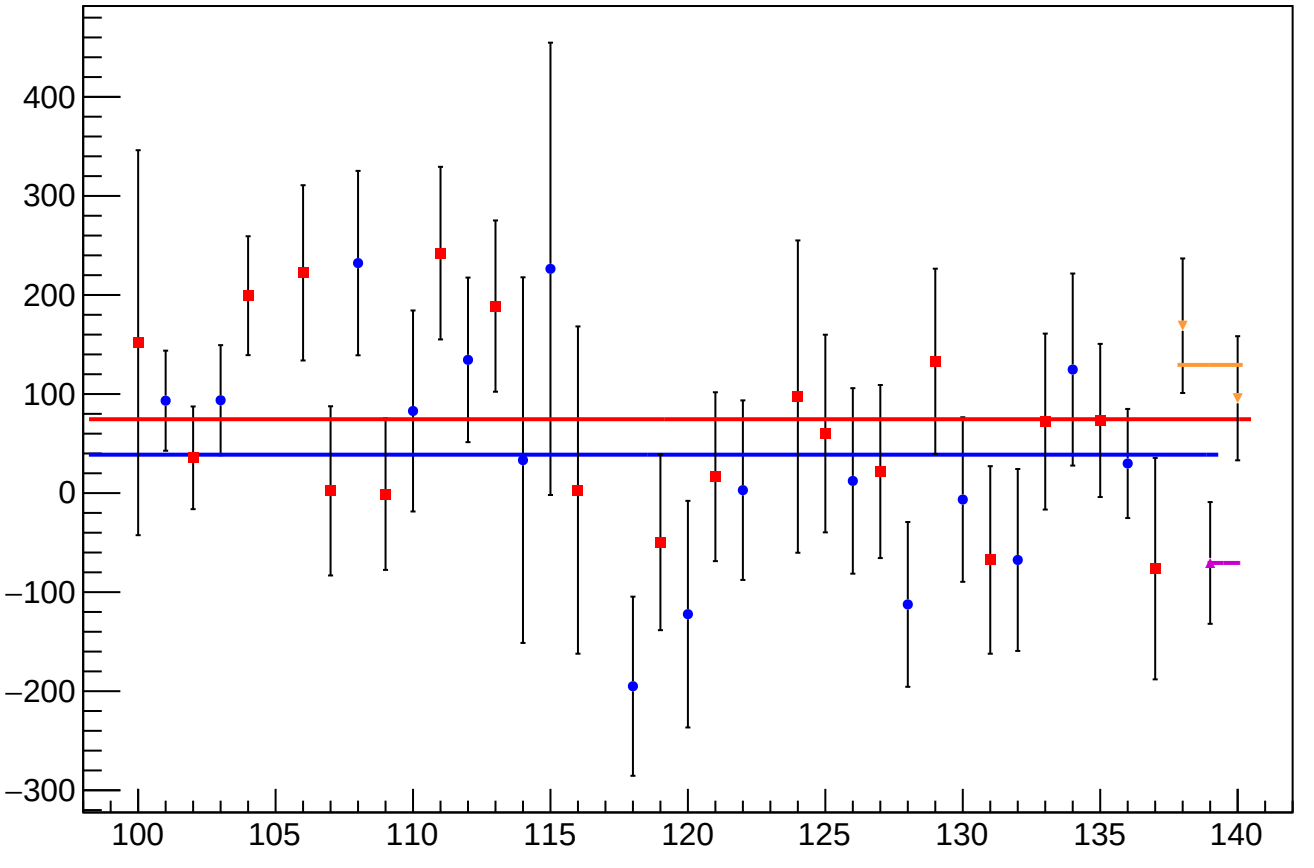
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:21.5/16

Out: 0.000+/-0.000 χ^2/NDF:14.9/20

All: -0.000+/-0.000 χ^2/NDF: 39.8/37


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:324377.6/1
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 908530.5/2
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:2064797.6/16
Out: 0.000+/-0.000 χ²/NDF:6213086.2/20
All: 0.000+/-0.000 χ²/NDF: 11206339.2/37



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 129.415+/-46.051 χ^2/NDF:0.6/1

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: -70.512+/-61.460 χ^2/NDF:0.0/0

Left: 57.529+/-36.853 χ^2/NDF: 7.4/2

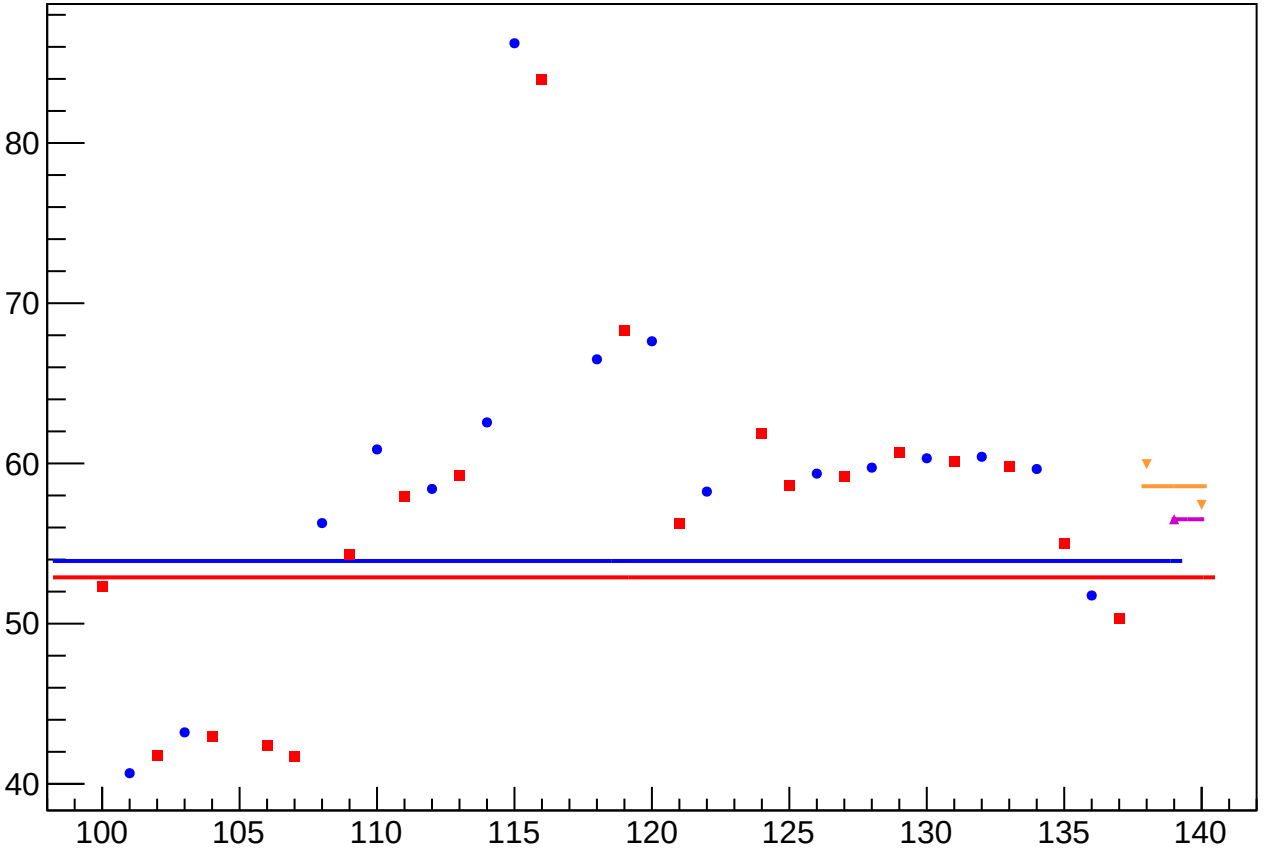
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 27.923+/-19.372 χ^2/NDF:26.2/16

Out: 83.135+/-18.191 χ^2/NDF:24.3/20

All: 57.264+/-13.261 χ^2/NDF: 54.7/37

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 58.577+/-0.033 χ^2/NDF:1516.6/1

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 56.516+/-0.043 χ^2/NDF:0.0/0

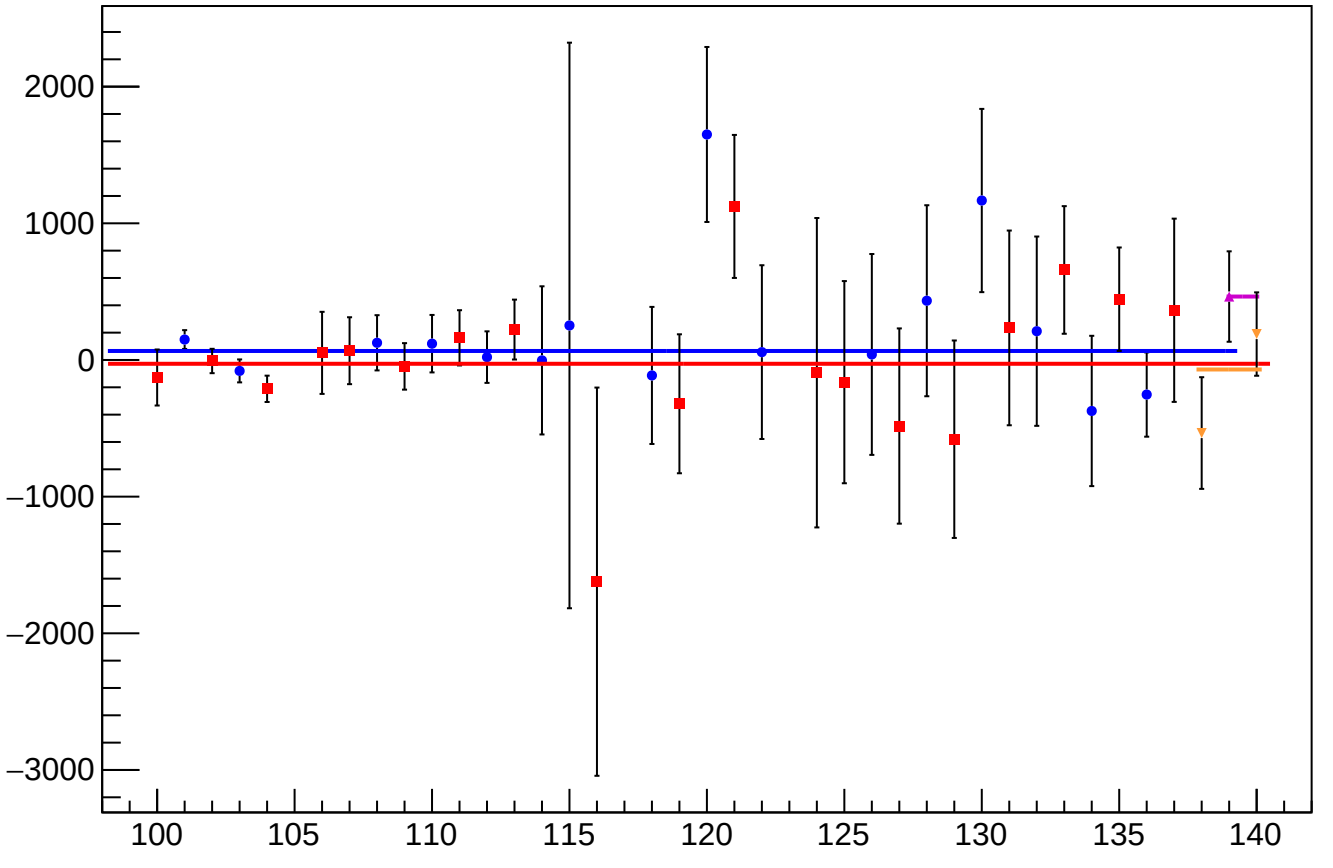
Left: 57.836+/-0.026 χ^2/NDF: 2956.2/2

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 54.171+/-0.014 χ^2/NDF:396495.0/16

Out: 53.776+/-0.013 χ^2/NDF:452492.0/20

All: 53.961+/-0.009 χ^2/NDF: 849427.7/37



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -69.592+/-244.420 χ^2/NDF:2.0/1

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 464.157+/-330.834 χ^2/NDF:0.0/0

Left: 118.873+/-196.588 χ^2/NDF: 3.7/2

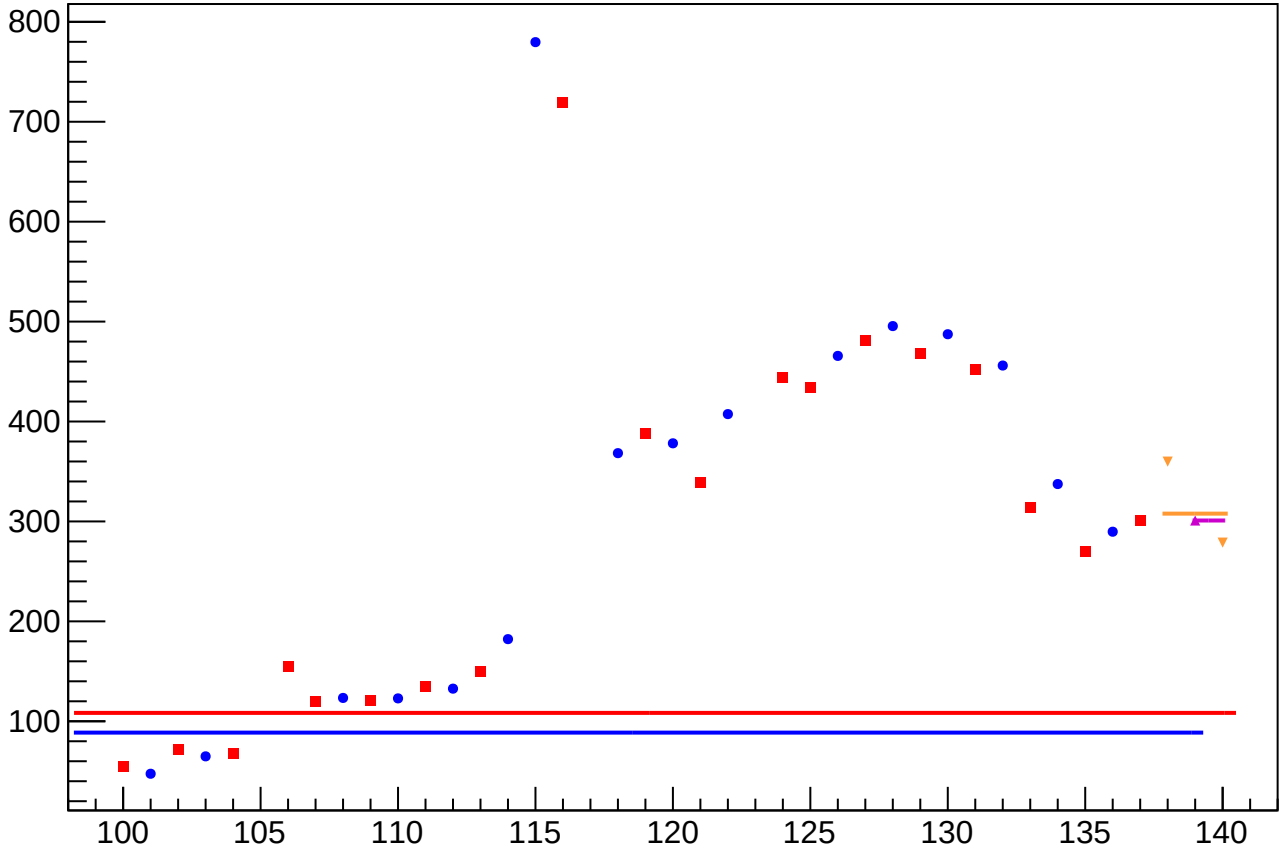
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 73.562+/-46.026 χ^2/NDF:17.1/16

Out: -29.545+/-49.259 χ^2/NDF:20.0/20

All: 25.503+/-33.631 χ^2/NDF: 39.5/37

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: 307.808+/-0.173 χ^2/NDF:50545.7/1

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 300.927+/-0.234 χ^2/NDF:0.0/0

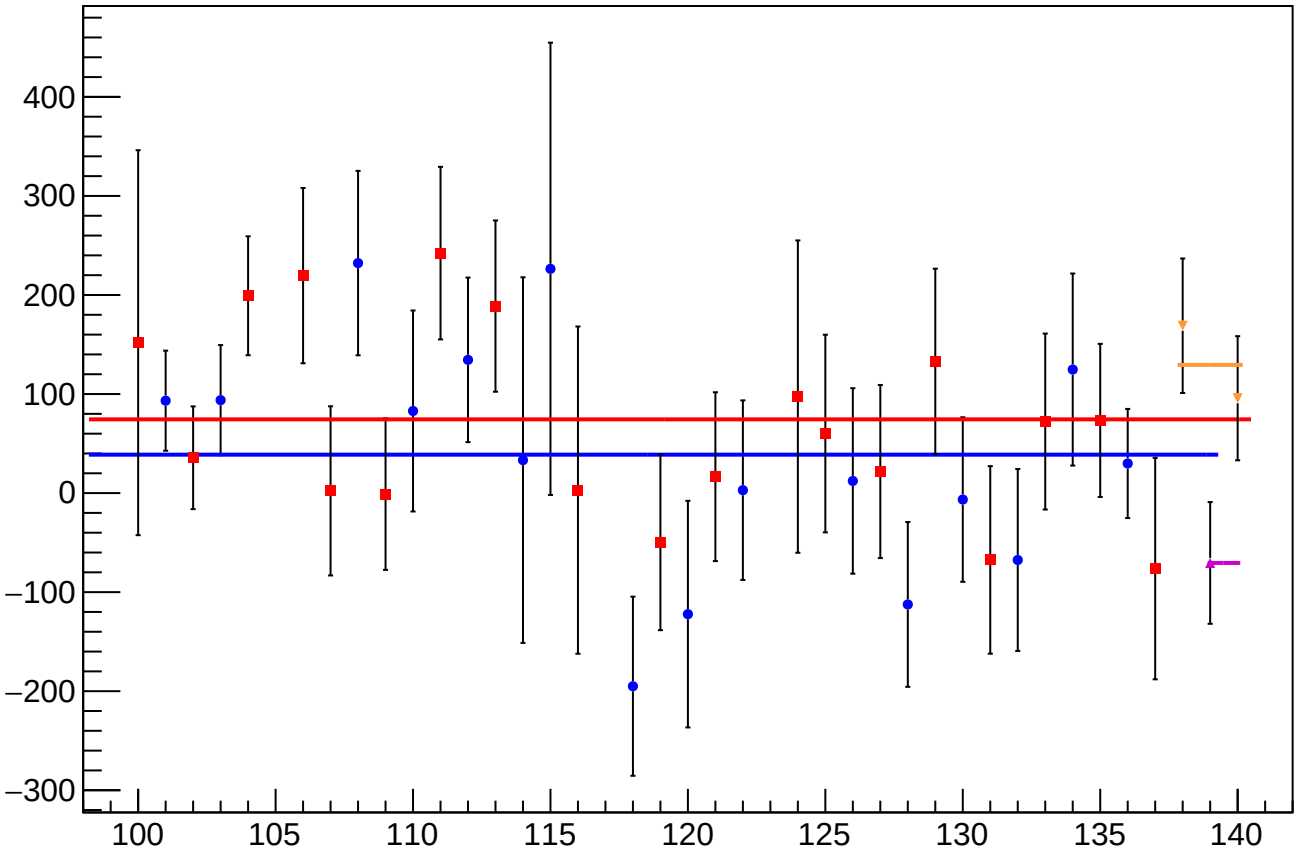
Left: 305.378+/-0.139 χ^2/NDF: 51105.3/2

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 92.766+/-0.033 χ^2/NDF:7455469.8/16

Out: 116.485+/-0.035 χ^2/NDF:6690698.7/20

All: 103.822+/-0.024 χ^2/NDF: 14393733.3/37



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 129.418+/-46.051 χ^2/NDF:0.6/1

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -70.511+/-61.460 χ^2/NDF:0.0/0

Left: 57.532+/-36.853 χ^2/NDF: 7.4/2

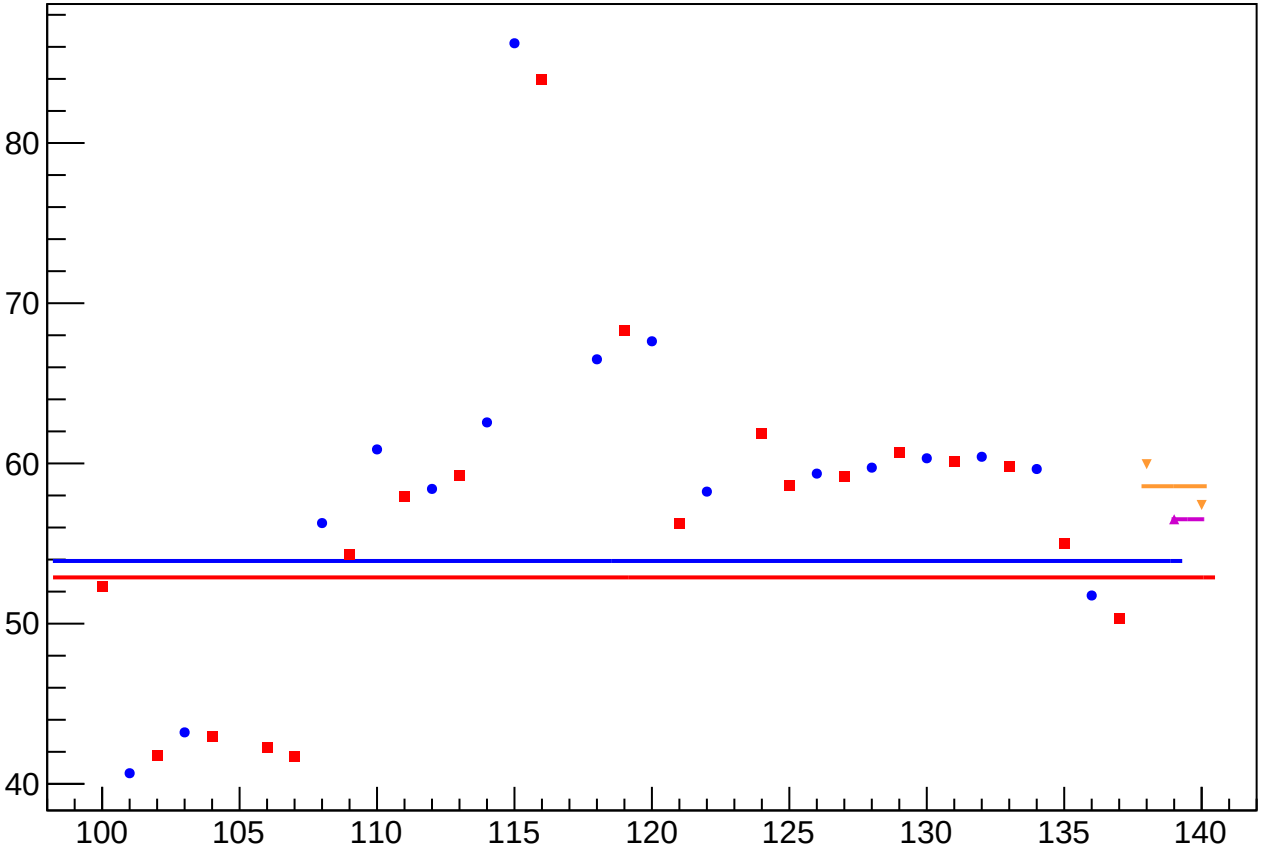
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 27.934+/-19.372 χ^2/NDF:26.2/16

Out: 83.022+/-18.192 χ^2/NDF:24.2/20

All: 57.207+/-13.261 χ^2/NDF: 54.6/37

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 58.577+/-0.033 χ^2/NDF:1516.6/1

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 56.516+/-0.043 χ^2/NDF:0.0/0

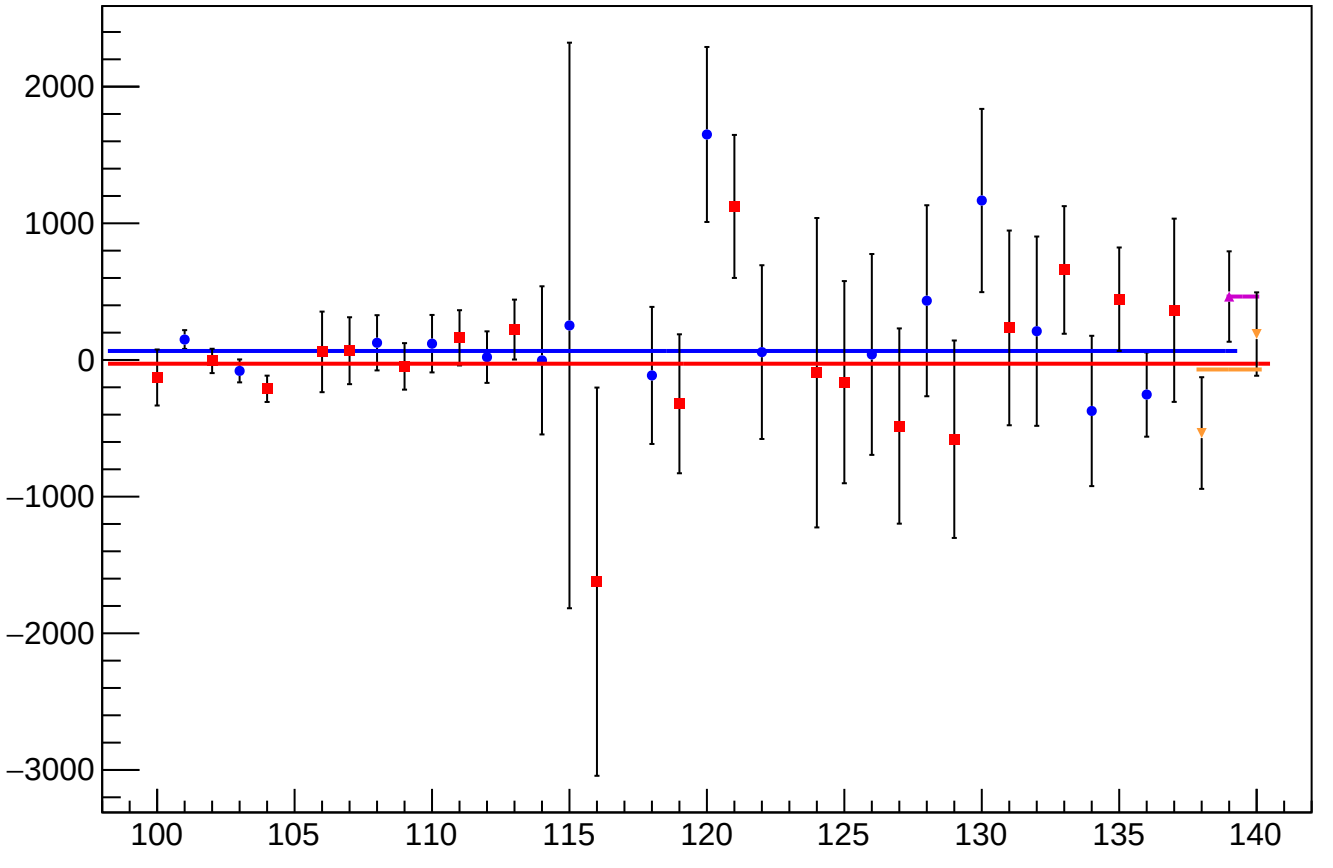
Left: 57.836+/-0.026 χ^2/NDF: 2956.2/2

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 54.171+/-0.014 χ^2/NDF:396494.4/16

Out: 53.775+/-0.013 χ^2/NDF:452819.3/20

All: 53.960+/-0.009 χ^2/NDF: 849758.4/37



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -69.584+/-244.420 χ^2/NDF:2.0/1

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 464.156+/-330.834 χ^2/NDF:0.0/0

Left: 118.878+/-196.588 χ^2/NDF: 3.7/2

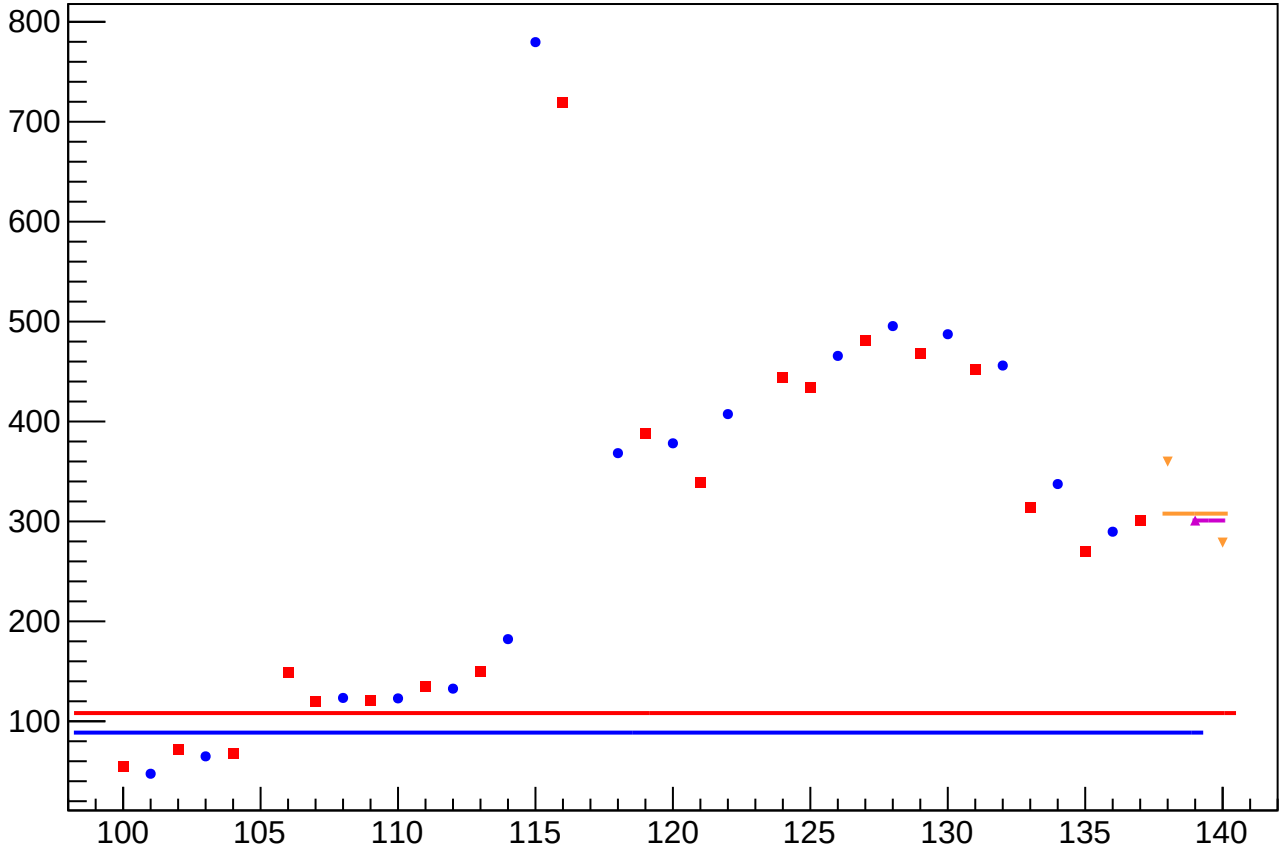
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 73.566+/-46.025 χ^2/NDF:17.1/16

Out: -29.116+/-49.219 χ^2/NDF:20.1/20

All: 25.664+/-33.617 χ^2/NDF: 39.5/37

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: 307.808+/-0.173 χ^2/NDF:50546.3/1

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 300.927+/-0.234 χ^2/NDF:0.0/0

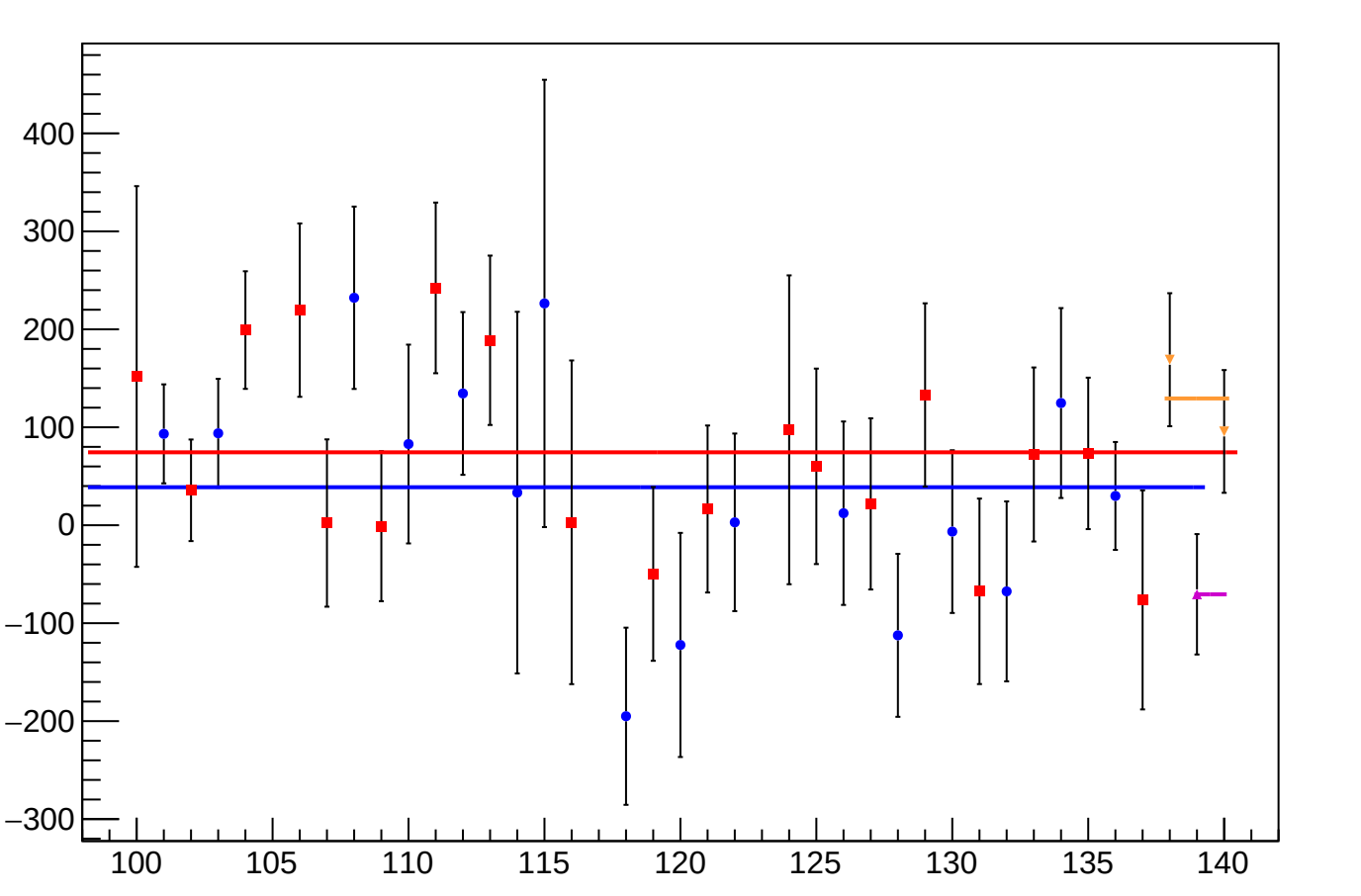
Left: 305.378+/-0.139 χ^2/NDF: 51106.0/2

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 92.764+/-0.033 χ^2/NDF:7455568.6/16

Out: 116.301+/-0.035 χ^2/NDF:6685100.3/20

All: 103.744+/-0.024 χ^2/NDF: 14384668.7/37



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 129.418+/-46.051 χ^2/NDF:0.6/1

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -70.511+/-61.460 χ^2/NDF:0.0/0

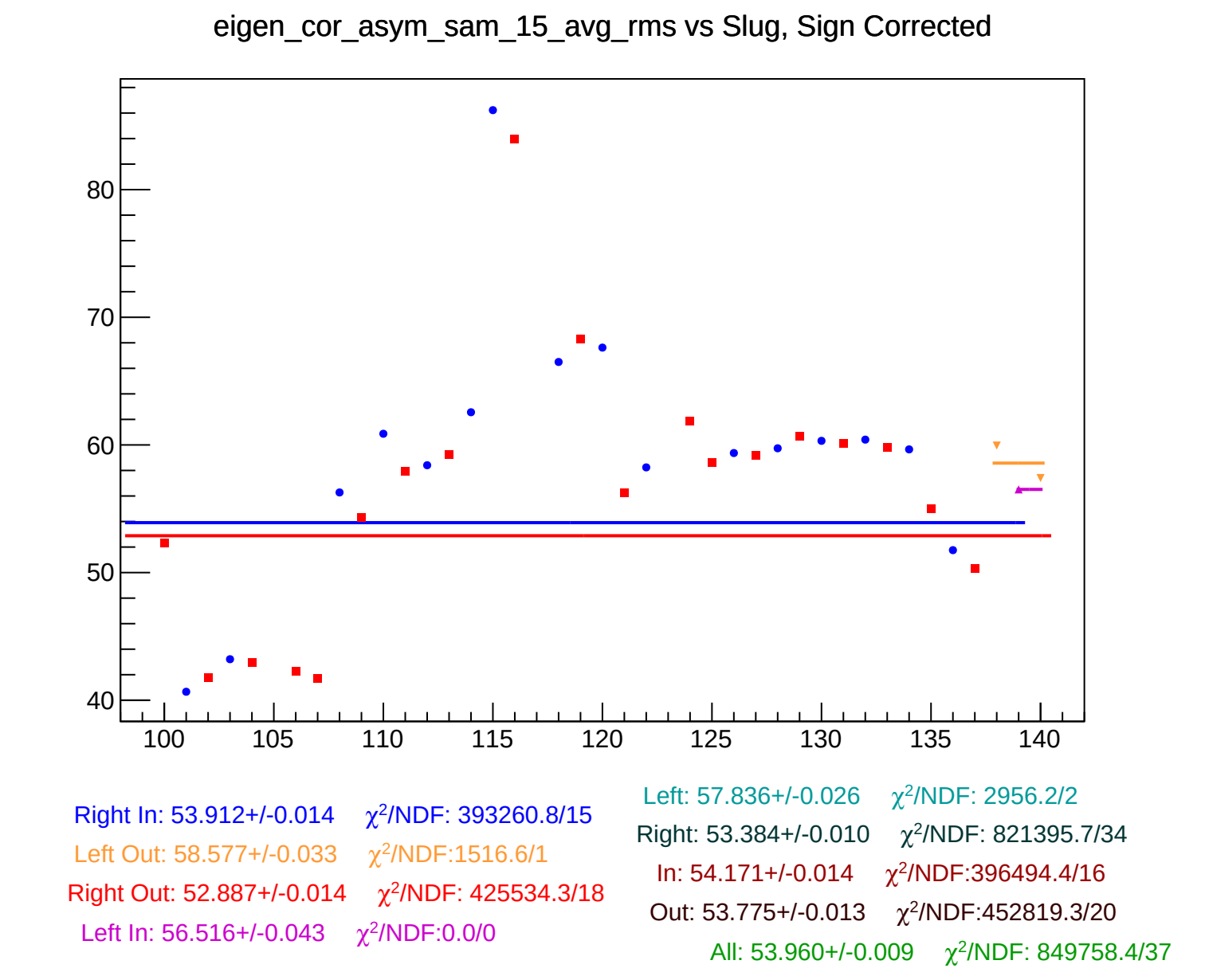
Left: 57.532+/-36.853 χ^2/NDF: 7.4/2

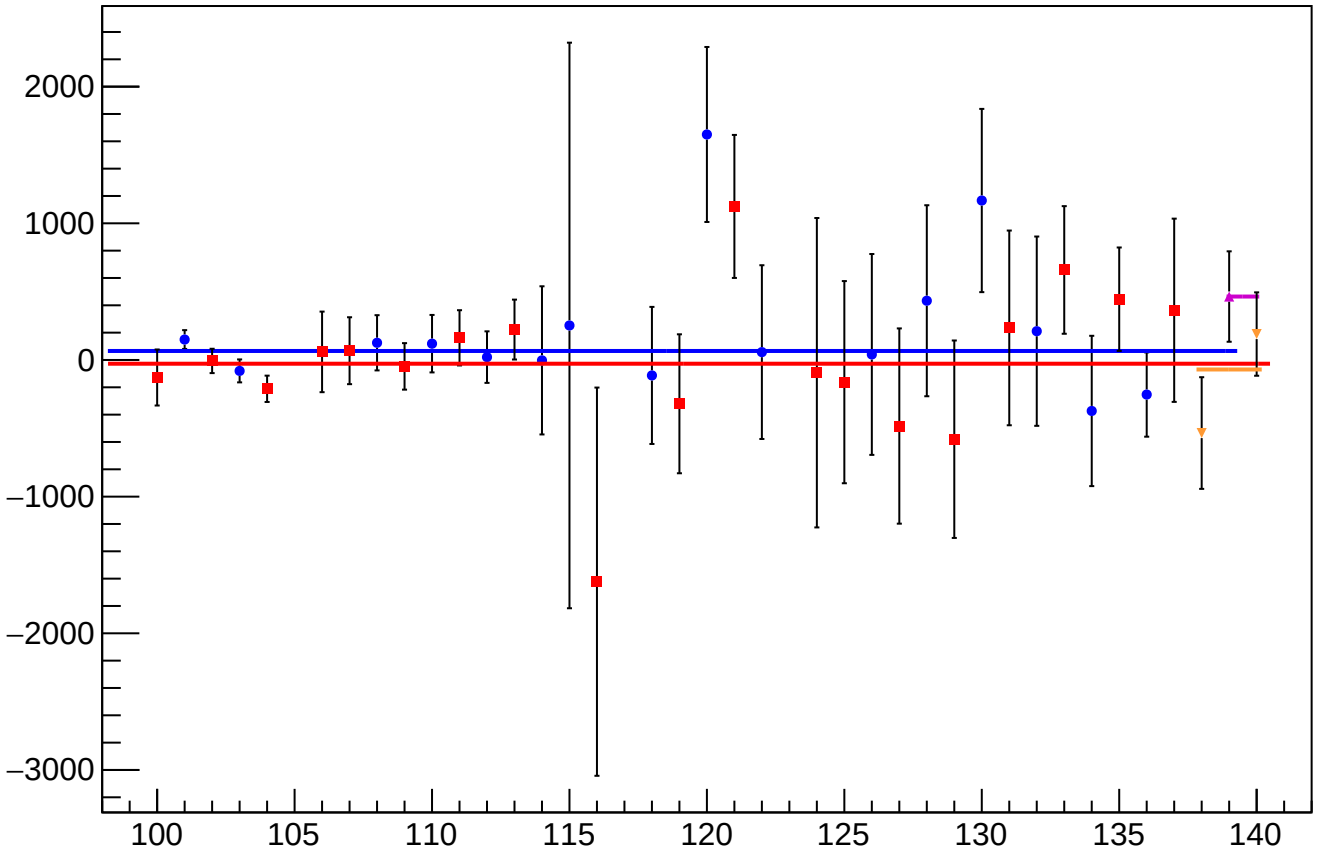
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 27.934+/-19.372 χ^2/NDF:26.2/16

Out: 83.022+/-18.192 χ^2/NDF:24.2/20

All: 57.207+/-13.261 χ^2/NDF: 54.6/37


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
50
40
100
105
110
115
120
125
130
135
140
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 58.577+/-0.033 χ²/NDF:1516.6/1
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 56.516+/-0.043 χ²/NDF:0.0/0
Left: 57.836+/-0.026 χ²/NDF: 2956.2/2
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 54.171+/-0.014 χ²/NDF:396494.4/16
Out: 53.775+/-0.013 χ²/NDF:452819.3/20
All: 53.960+/-0.009 χ²/NDF: 849758.4/37



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -69.584+/-244.420 χ^2/NDF:2.0/1

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 464.156+/-330.834 χ^2/NDF:0.0/0

Left: 118.878+/-196.588 χ^2/NDF: 3.7/2

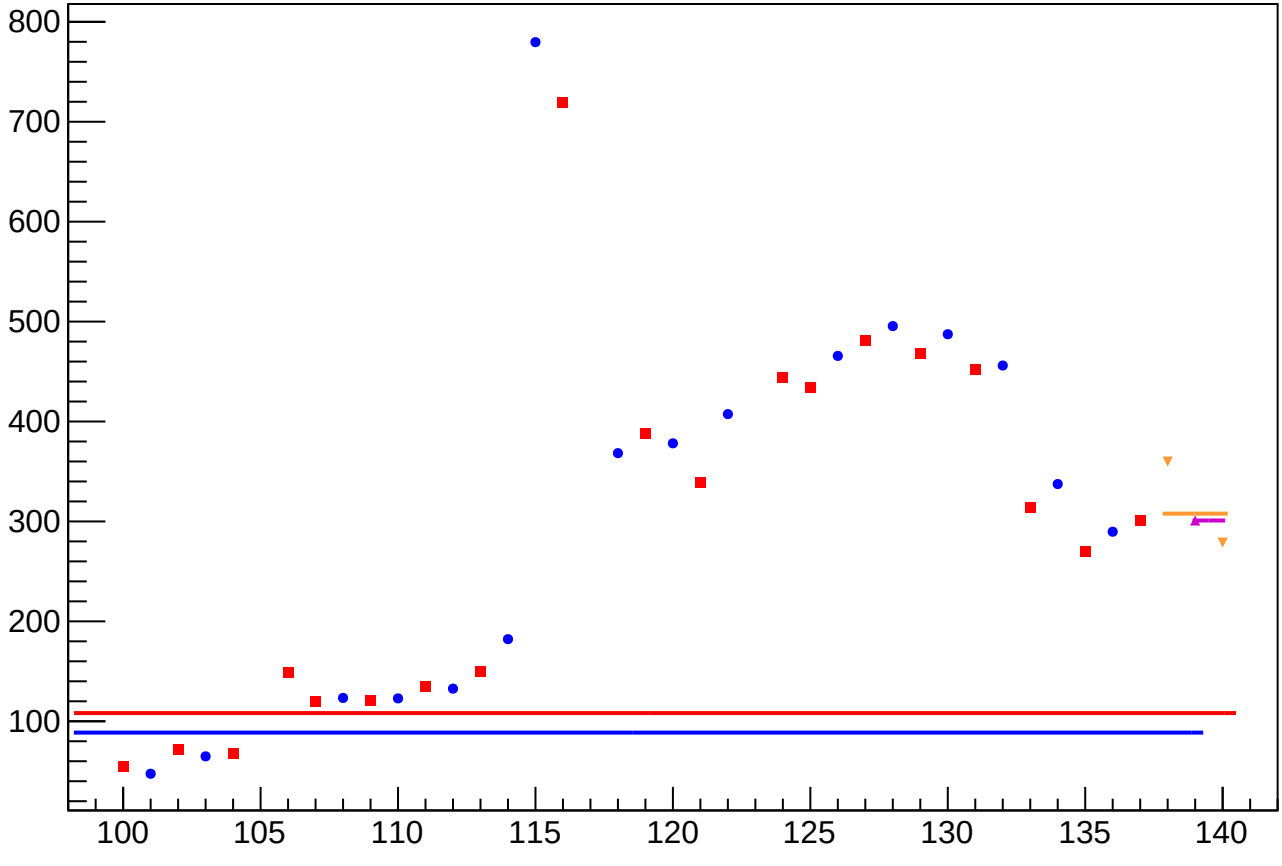
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 73.566+/-46.025 χ^2/NDF:17.1/16

Out: -29.116+/-49.219 χ^2/NDF:20.1/20

All: 25.664+/-33.617 χ^2/NDF: 39.5/37

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 307.808+/-0.173 χ^2/NDF:50546.3/1

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 300.927+/-0.234 χ^2/NDF:0.0/0

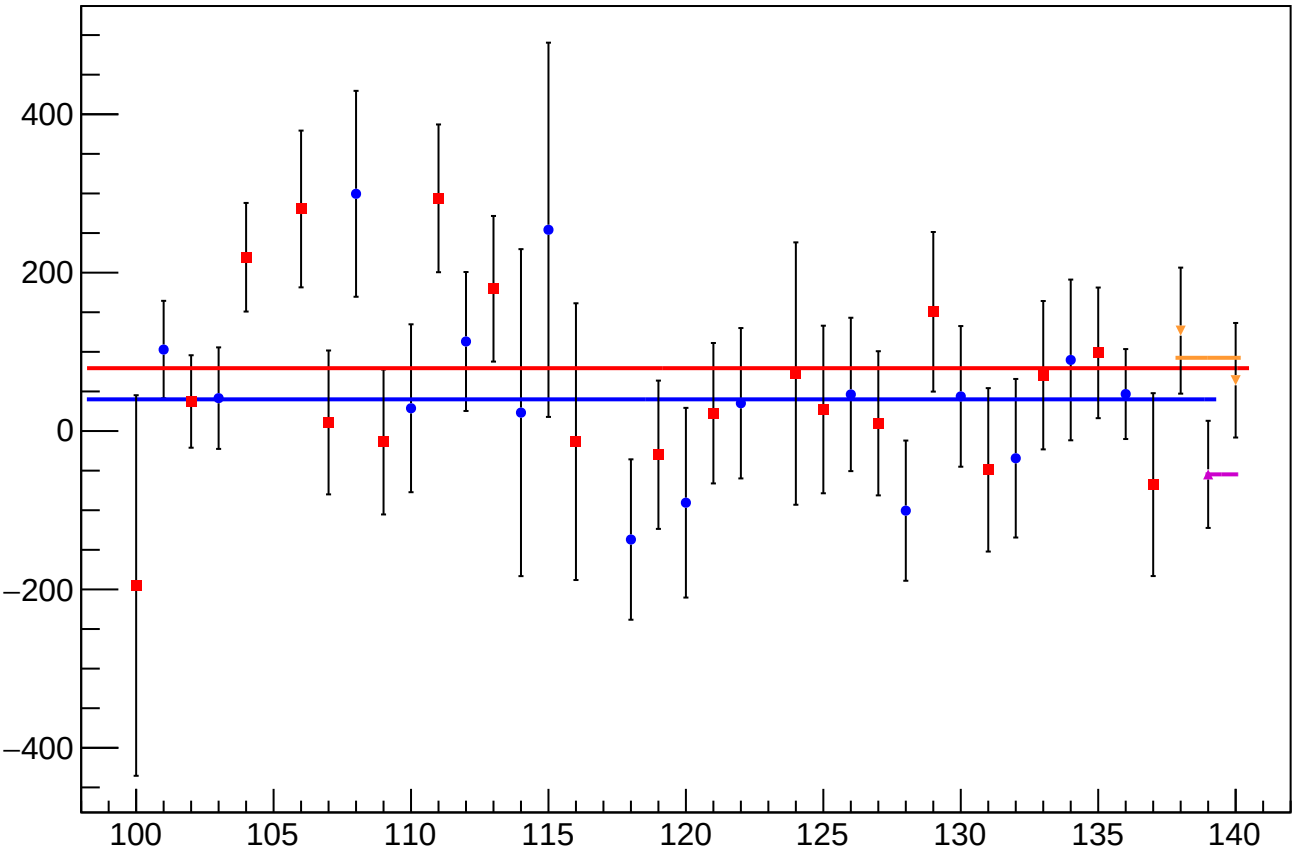
Left: 305.378+/-0.139 χ^2/NDF: 51106.0/2

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 92.764+/-0.033 χ^2/NDF:7455568.6/16

Out: 116.301+/-0.035 χ^2/NDF:6685100.3/20

All: 103.744+/-0.024 χ^2/NDF: 14384668.7/37



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 92.485+/-53.523 χ^2/NDF:0.3/1

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -54.713+/-67.639 χ^2/NDF:0.0/0

Left: 35.806+/-41.972 χ^2/NDF: 3.3/2

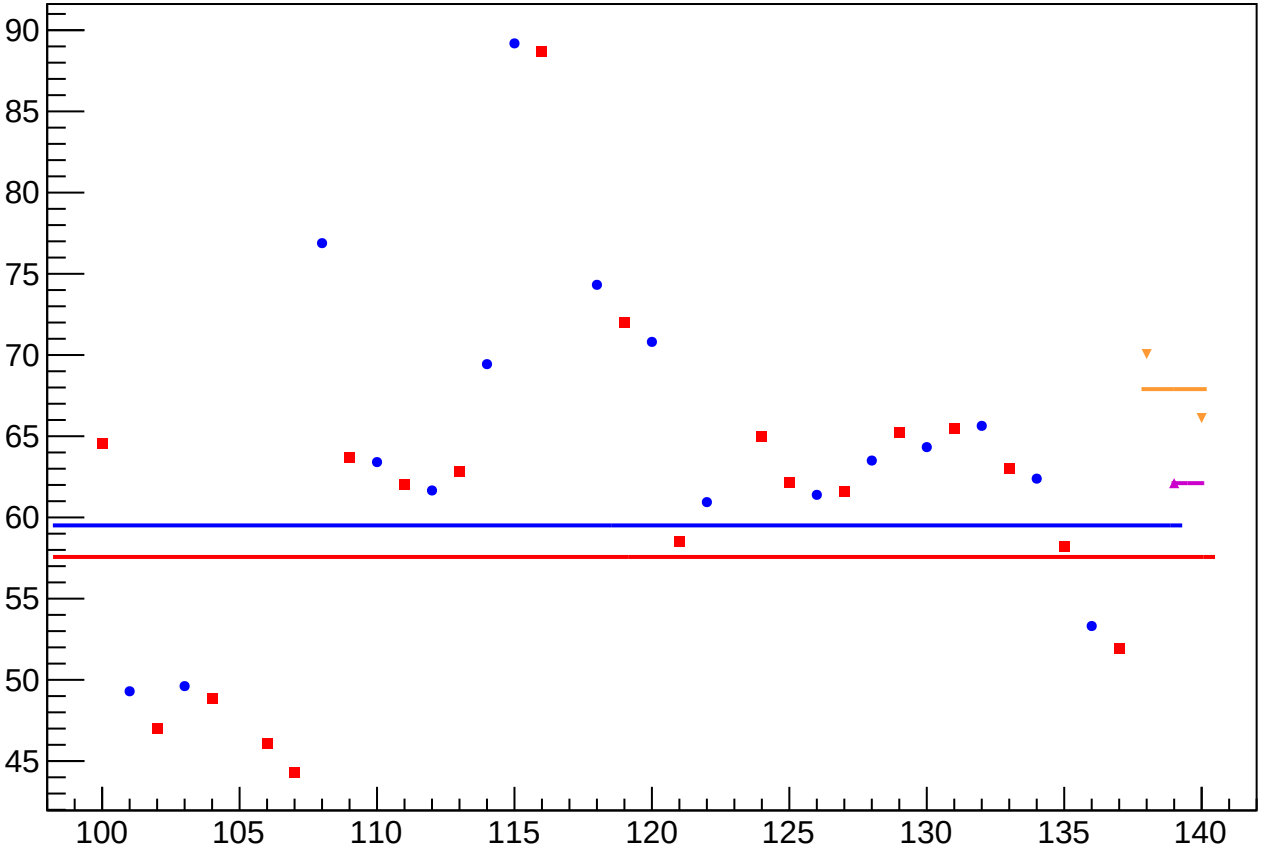
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 30.580+/-21.362 χ^2/NDF:15.9/16

Out: 81.211+/-20.012 χ^2/NDF:25.2/20

All: 57.546+/-14.605 χ^2/NDF: 44.1/37

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 67.900+/-0.038 χ^2/NDF:2683.3/1

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 62.111+/-0.048 χ^2/NDF:0.0/0

Left: 65.671+/-0.030 χ^2/NDF: 11694.5/2

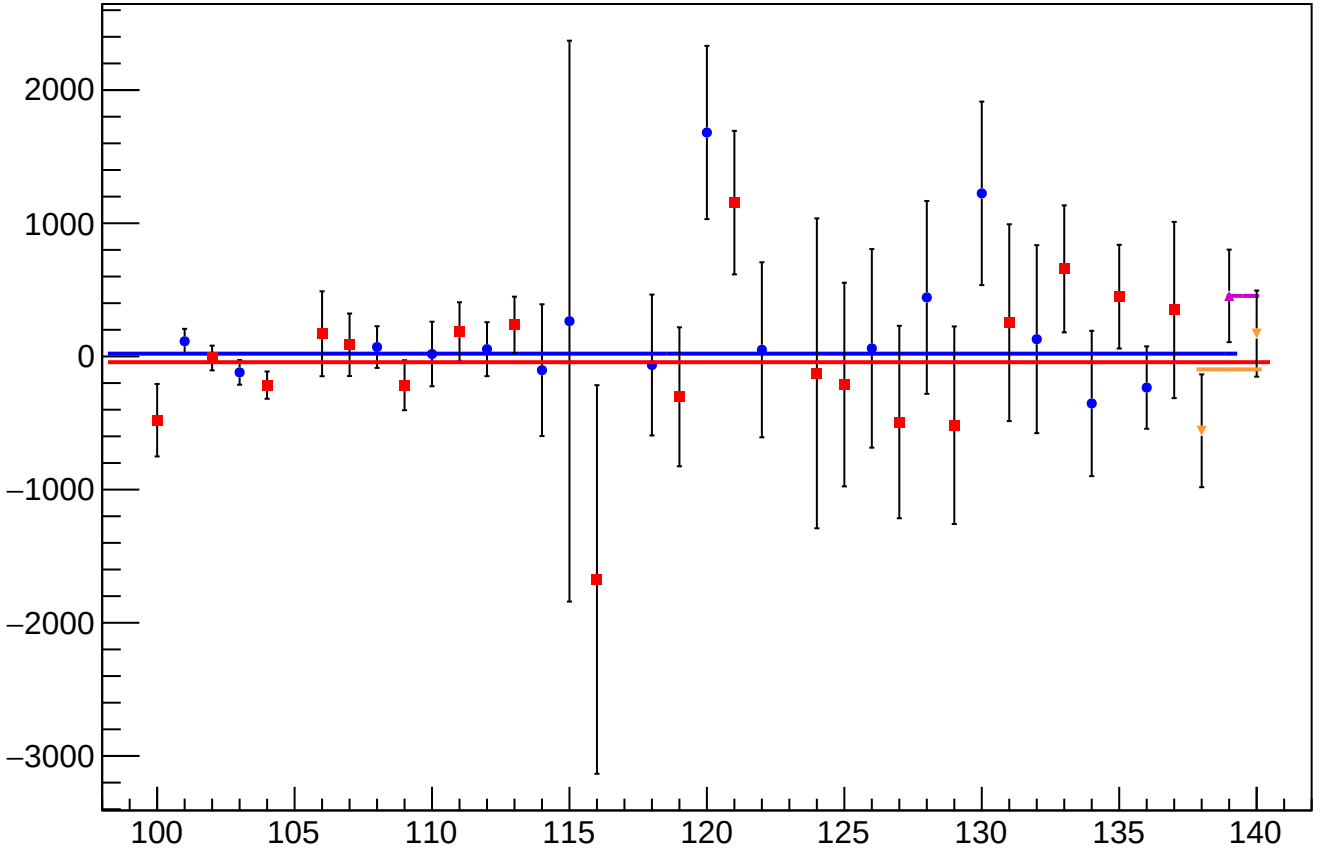
Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 59.768+/-0.015 χ^2/NDF:285856.7/16

Out: 59.011+/-0.014 χ^2/NDF:414187.6/20

All: 59.365+/-0.010 χ^2/NDF: 701381.4/37

asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -97.155+/-257.018 χ^2/NDF:1.9/1

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 454.671+/-347.426 χ^2/NDF:0.0/0

Left: 98.027+/-206.624 χ^2/NDF: 3.5/2

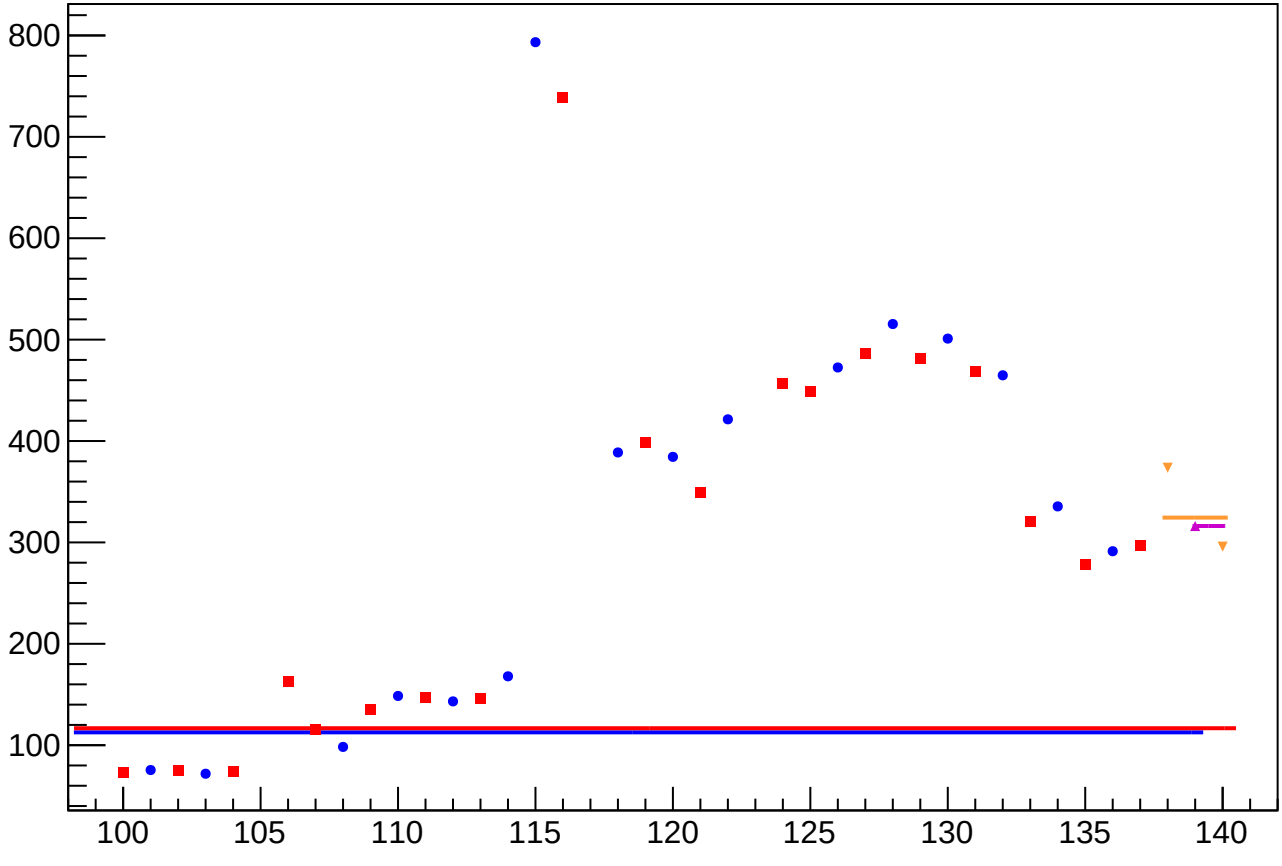
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 30.920+/-52.959 χ^2/NDF:16.1/16

Out: -45.477+/-52.105 χ^2/NDF:23.4/20

All: -7.899+/-37.142 χ^2/NDF: 40.6/37

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 324.460+/-0.182 χ^2/NDF:42662.7/1

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 316.189+/-0.246 χ^2/NDF:0.0/0

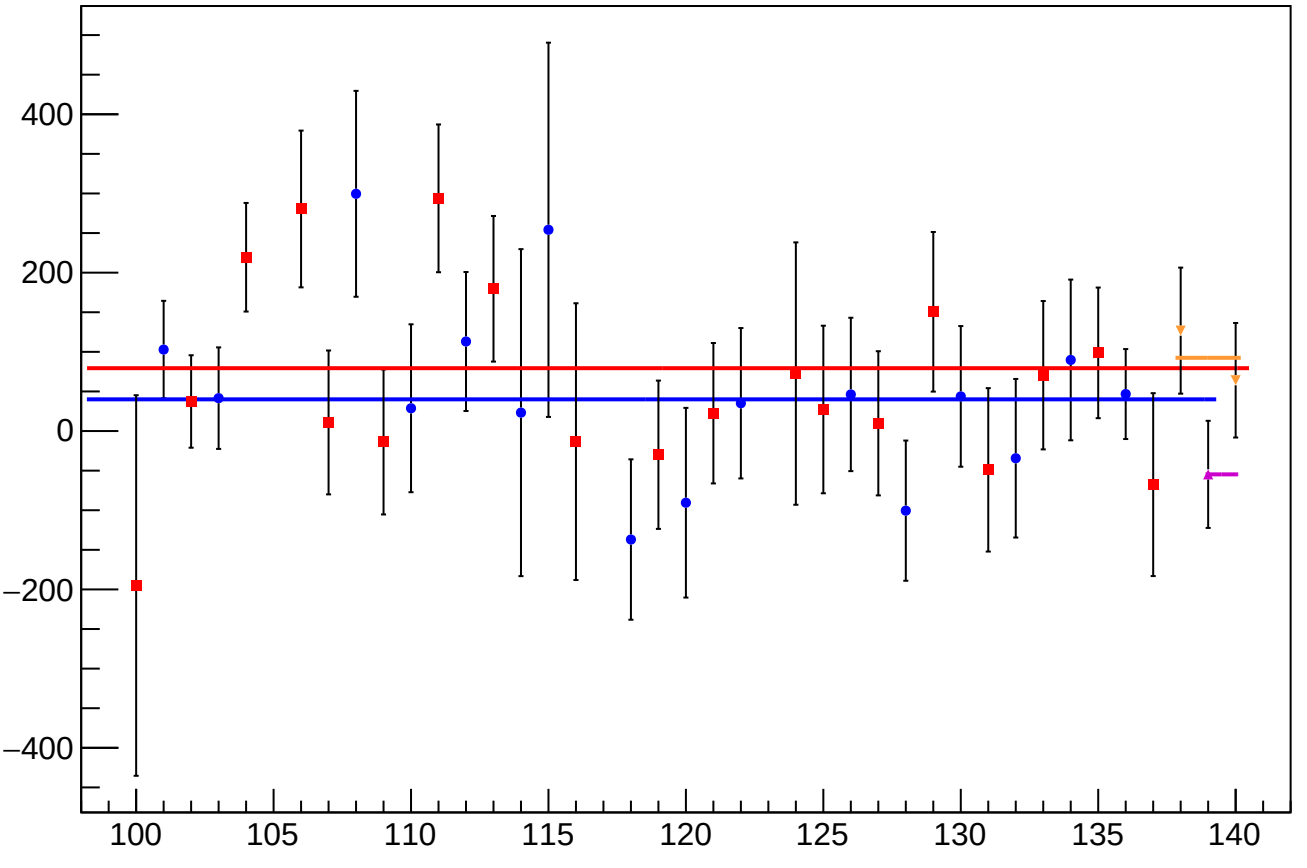
Left: 321.535+/-0.146 χ^2/NDF: 43395.2/2

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 117.397+/-0.037 χ^2/NDF:6270025.1/16

Out: 125.270+/-0.037 χ^2/NDF:6436796.3/20

All: 121.398+/-0.026 χ^2/NDF: 12729281.5/37



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 92.485+/-53.523 χ^2/NDF:0.3/1

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -54.711+/-67.640 χ^2/NDF:0.0/0

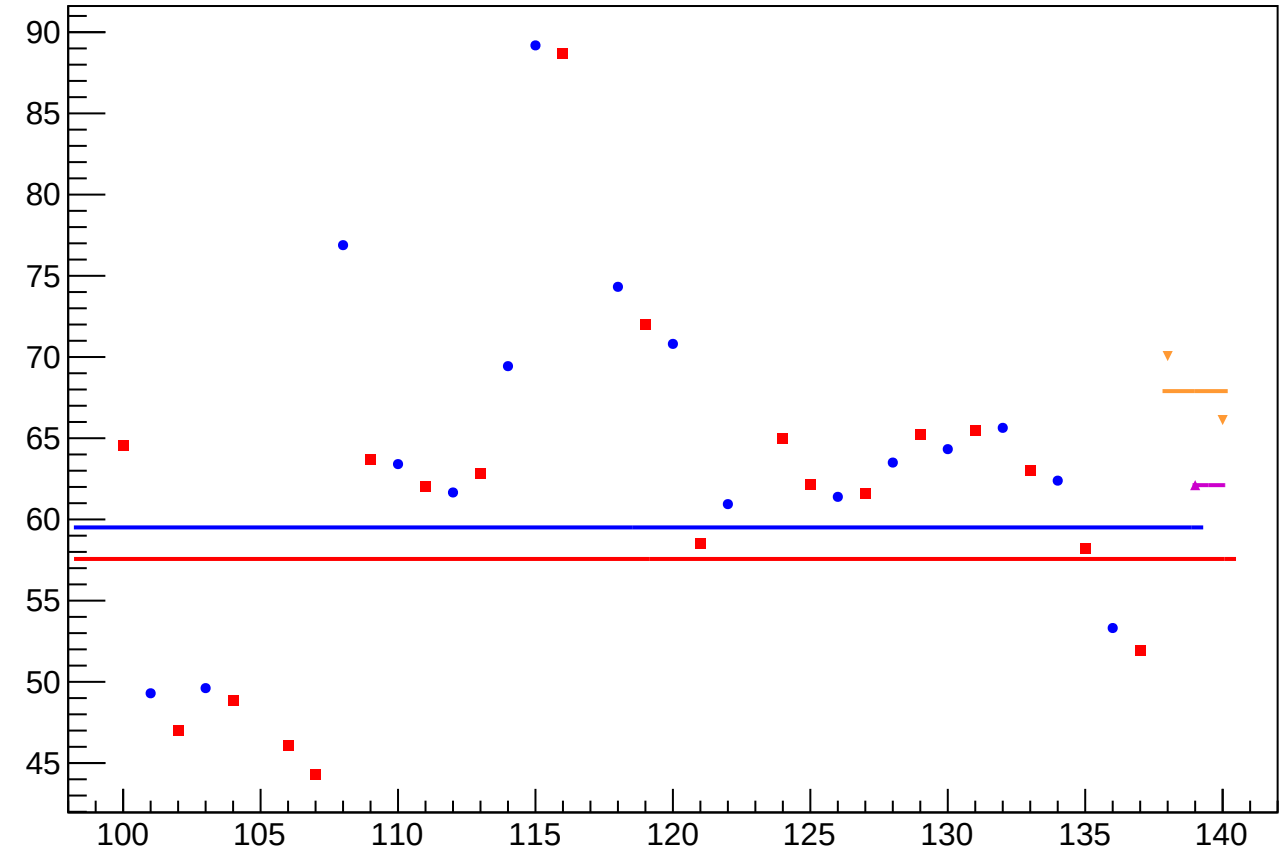
Left: 35.807+/-41.972 χ^2/NDF: 3.3/2

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 30.580+/-21.362 χ^2/NDF:15.9/16

Out: 81.210+/-20.012 χ^2/NDF:25.2/20

All: 57.546+/-14.605 χ^2/NDF: 44.1/37



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 67.901+/-0.038 χ^2/NDF:2683.3/1

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 62.111+/-0.048 χ^2/NDF:0.0/0

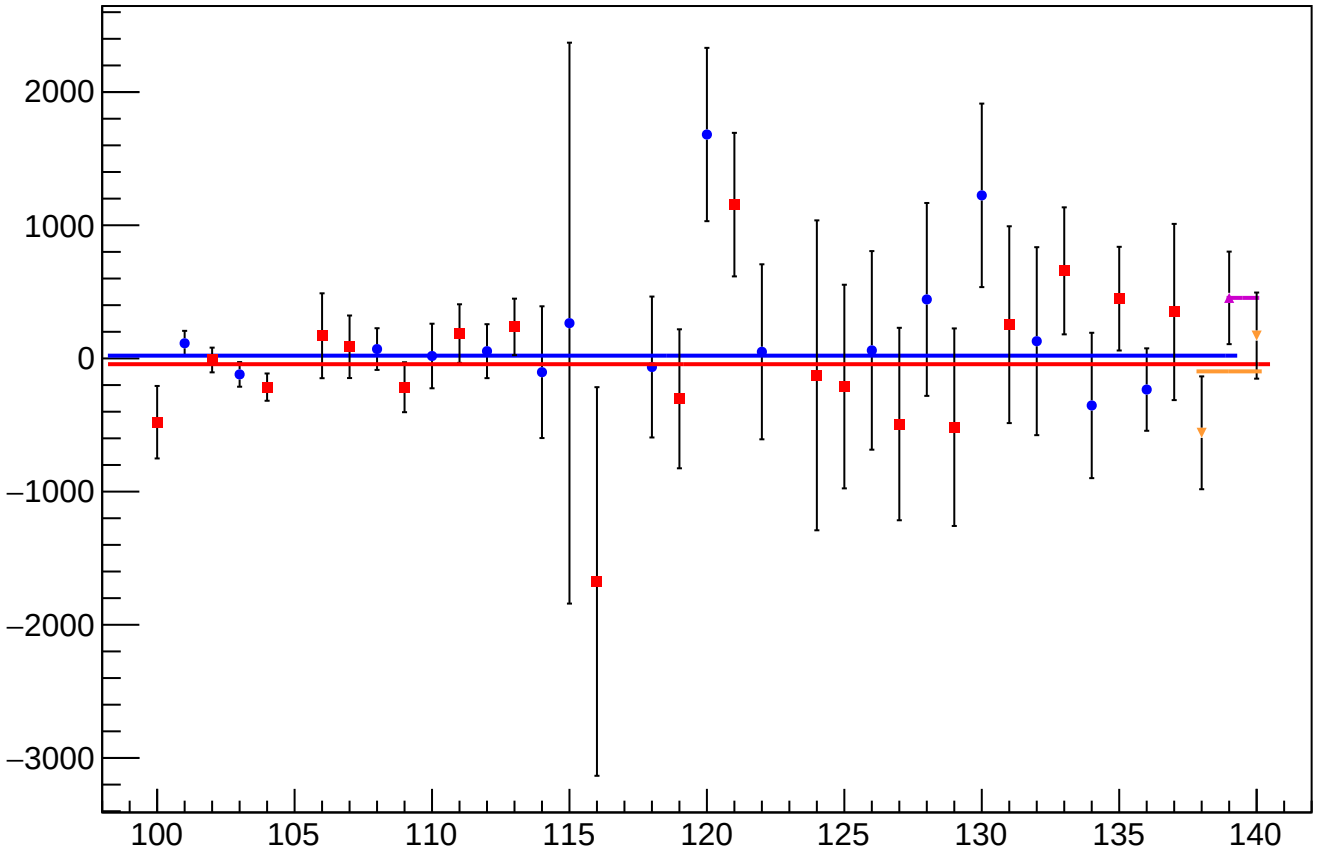
Left: 65.671+/-0.030 χ^2/NDF: 11694.5/2

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 59.768+/-0.015 χ^2/NDF:285855.5/16

Out: 59.011+/-0.014 χ^2/NDF:414190.2/20

All: 59.365+/-0.010 χ^2/NDF: 701382.7/37



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -97.155+/-257.020 χ^2/NDF:1.9/1

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 454.671+/-347.427 χ^2/NDF:0.0/0

Left: 98.028+/-206.625 χ^2/NDF: 3.5/2

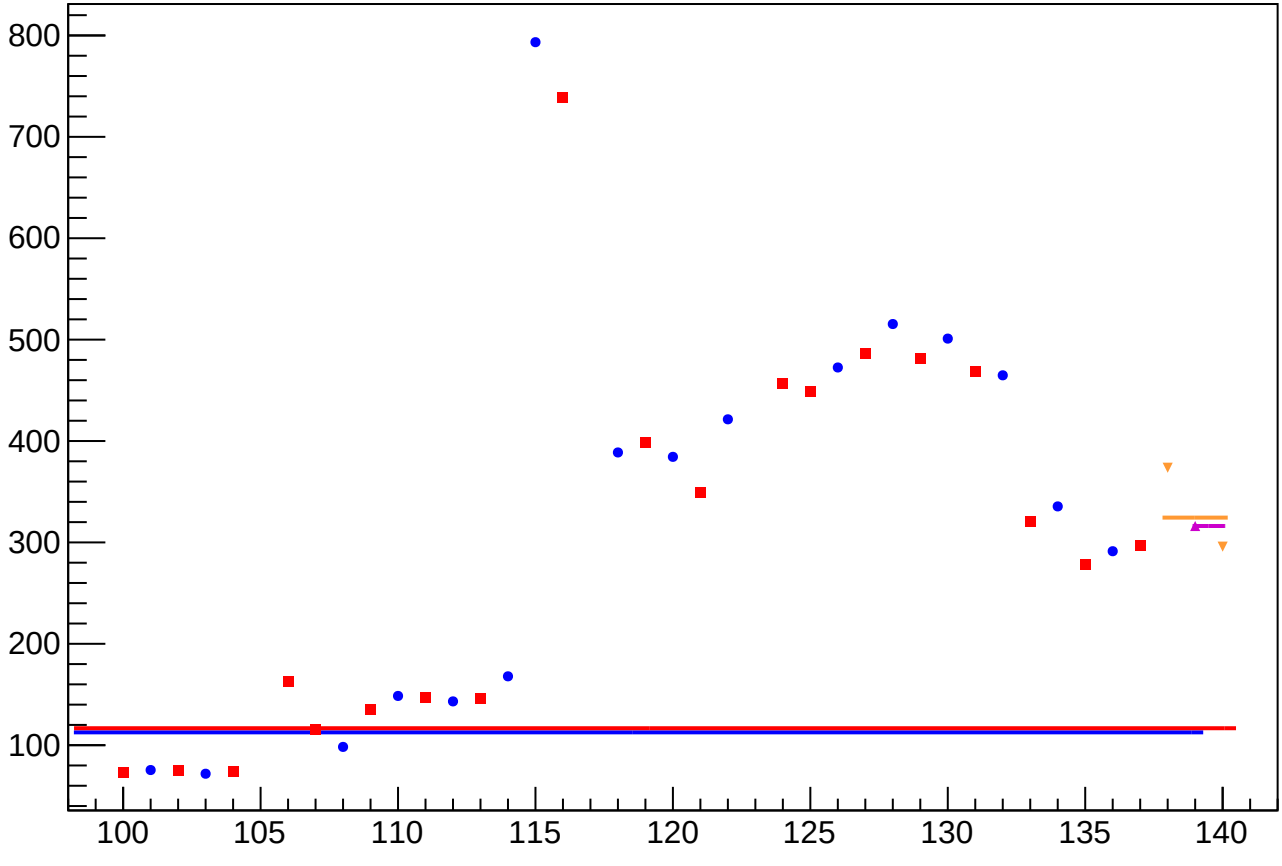
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 30.920+/-52.959 χ^2/NDF:16.1/16

Out: -45.477+/-52.105 χ^2/NDF:23.4/20

All: -7.899+/-37.142 χ^2/NDF: 40.6/37

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 324.462+/-0.182 χ^2/NDF:42663.0/1

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 316.190+/-0.246 χ^2/NDF:0.0/0

Left: 321.536+/-0.146 χ^2/NDF: 43395.6/2

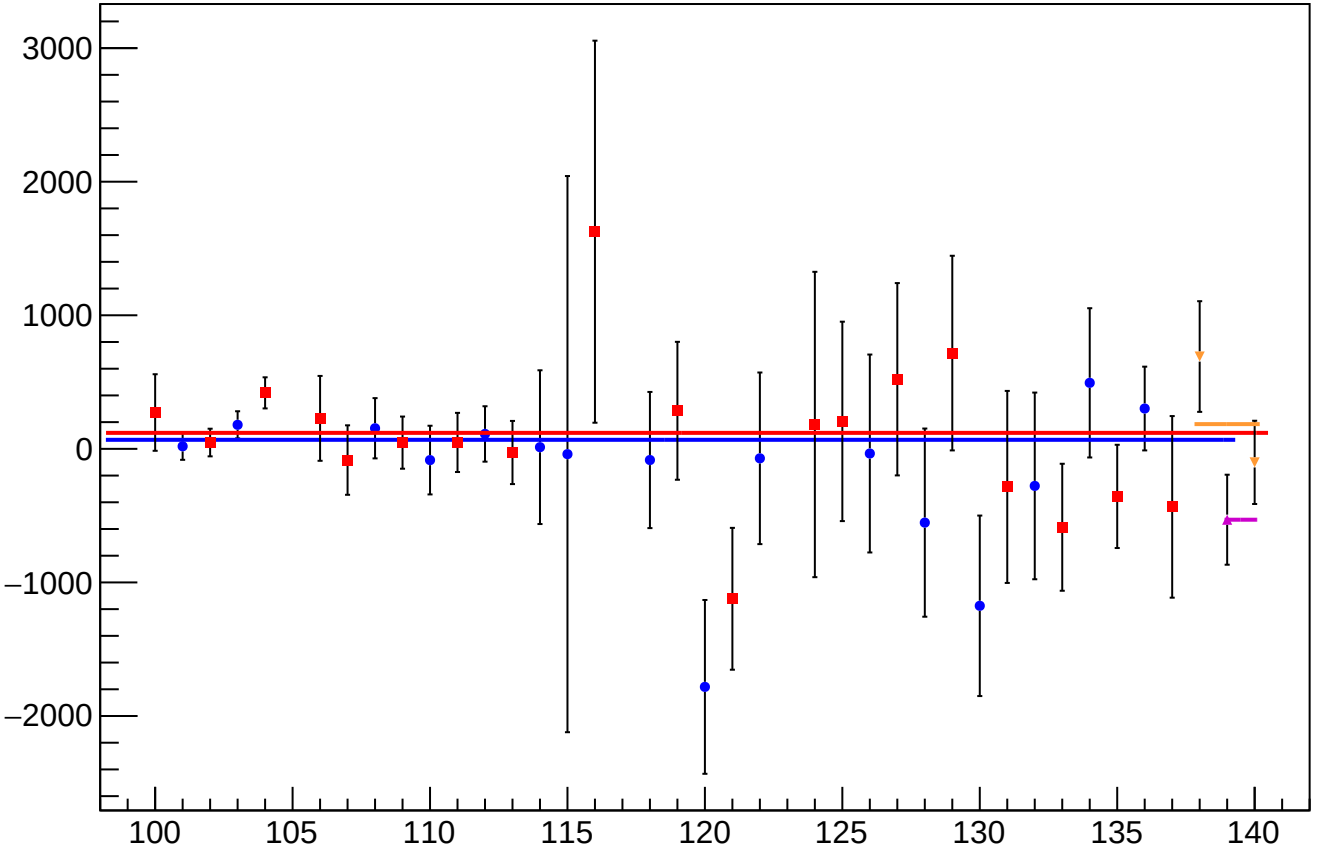
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 117.397+/-0.037 χ^2/NDF:6270027.1/16

Out: 125.270+/-0.037 χ^2/NDF:6436811.5/20

All: 121.397+/-0.026 χ^2/NDF: 12729298.1/37

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 185.186+/-249.055 χ^2/NDF:2.3/1

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -530.526+/-336.929 χ^2/NDF:0.0/0

Left: -67.702+/-200.278 χ^2/NDF: 5.3/2

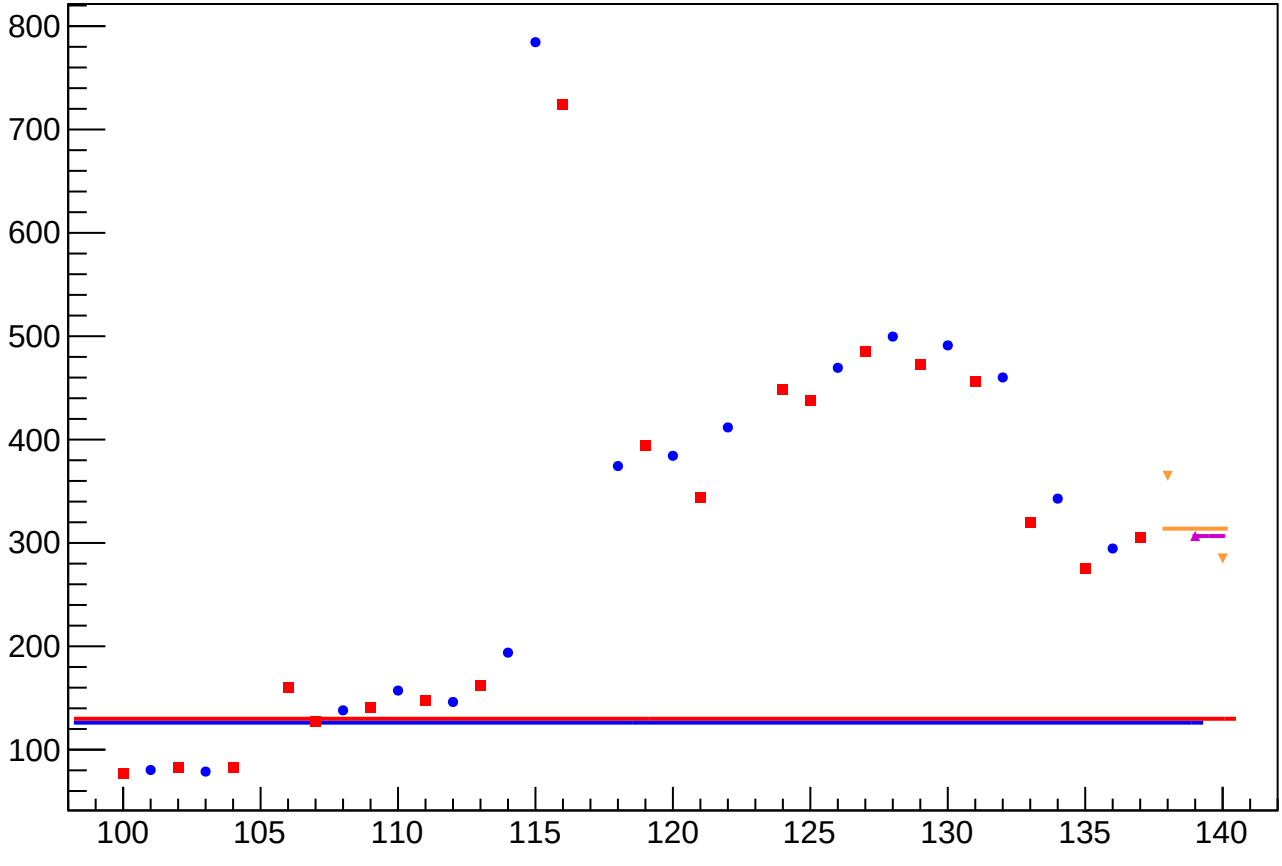
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 49.726+/-58.277 χ^2/NDF:18.8/16

Out: 123.001+/-56.434 χ^2/NDF:23.5/20

All: 87.540+/-40.541 χ^2/NDF: 43.2/37

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 313.858+/-0.176 χ^2/NDF:47577.4/1

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 306.697+/-0.238 χ^2/NDF:0.0/0

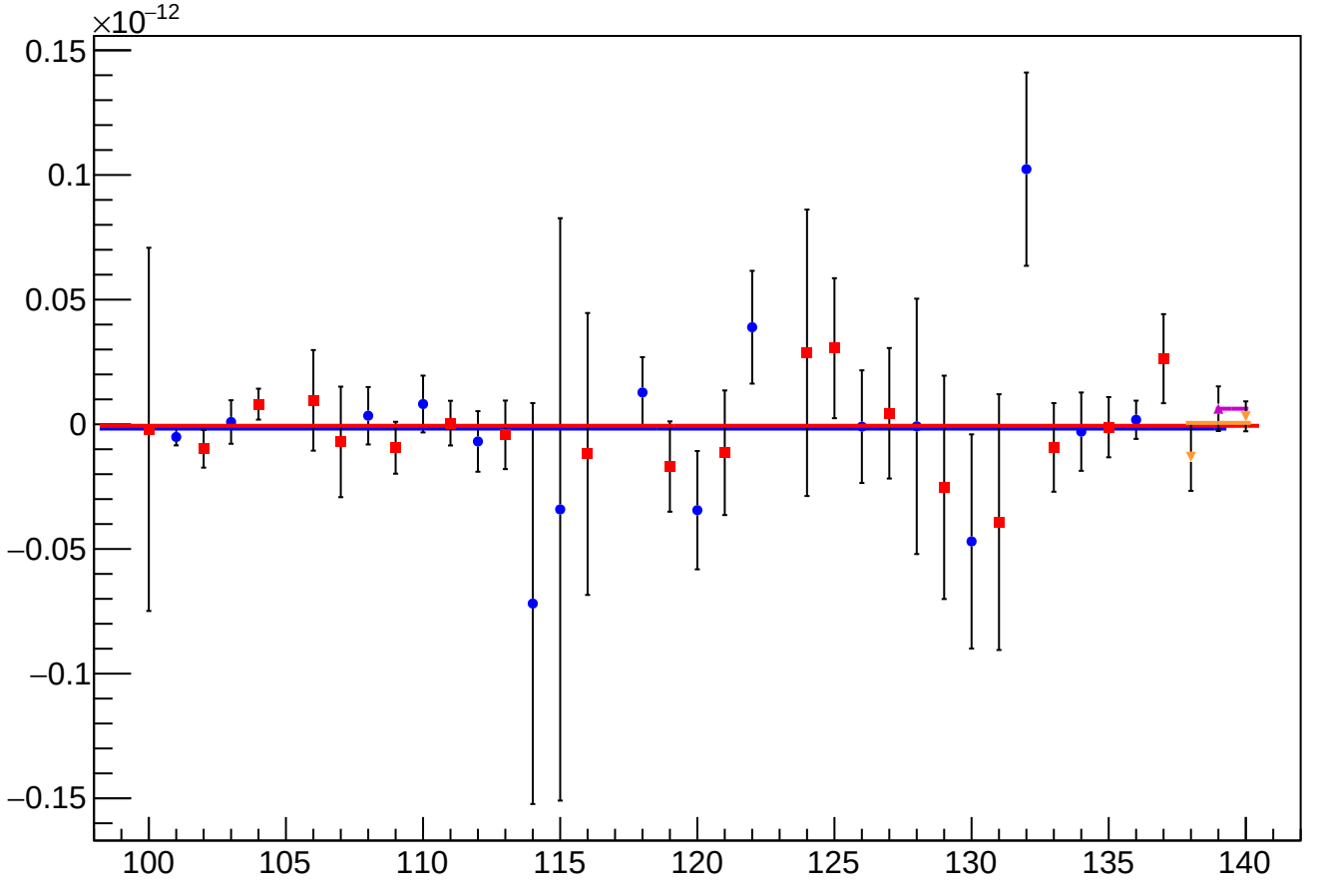
Left: 311.328+/-0.142 χ^2/NDF: 48161.6/2

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 131.555+/-0.041 χ^2/NDF:5777216.1/16

Out: 139.359+/-0.040 χ^2/NDF:5730197.5/20

All: 135.582+/-0.029 χ^2/NDF: 11525920.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

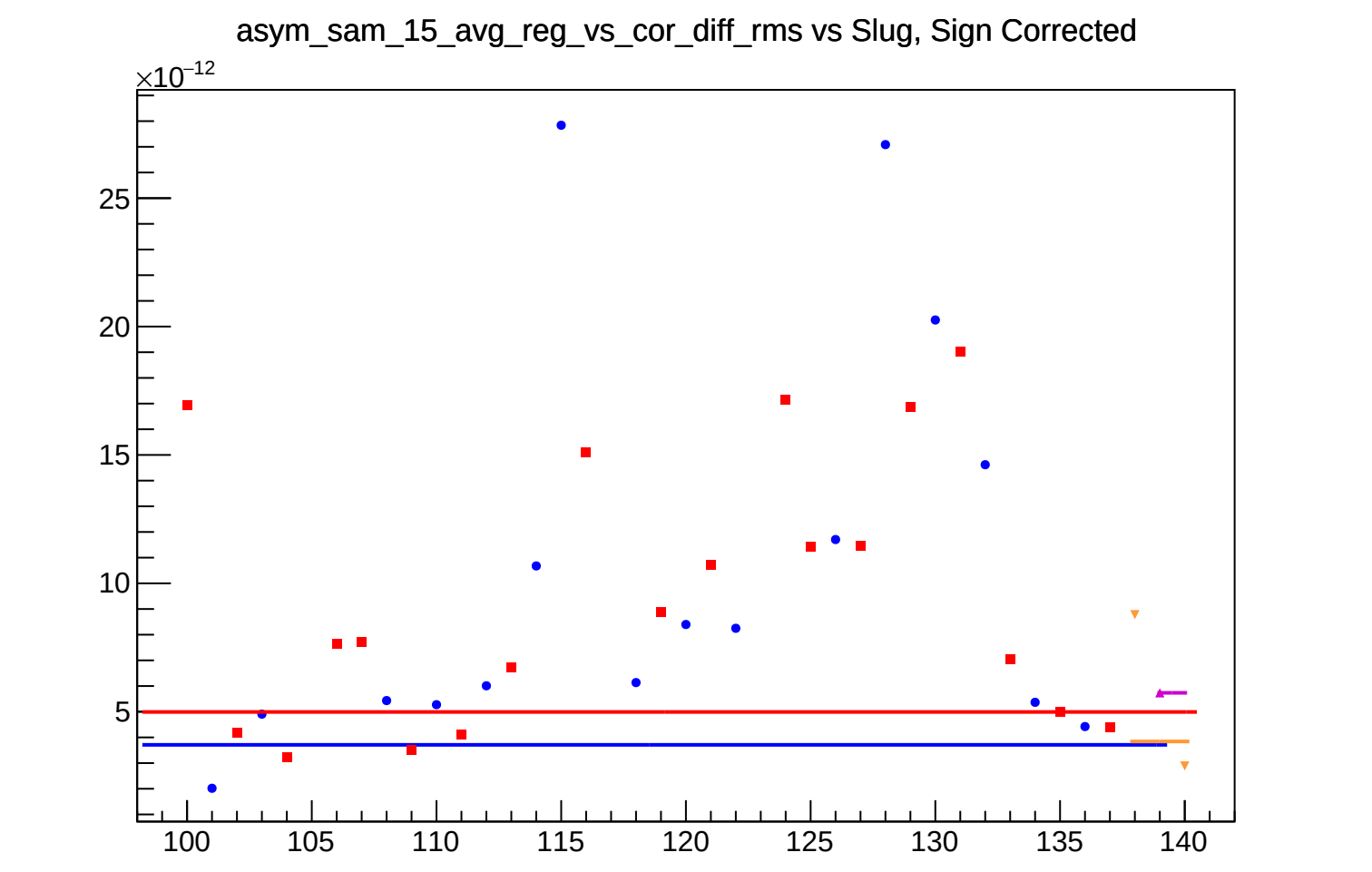
Left: 0.000+/-0.000 χ^2/NDF: 1.5/2

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:18.5/16

Out: -0.000+/-0.000 χ^2/NDF:11.8/20

All: -0.000+/-0.000 χ^2/NDF: 30.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:312245.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

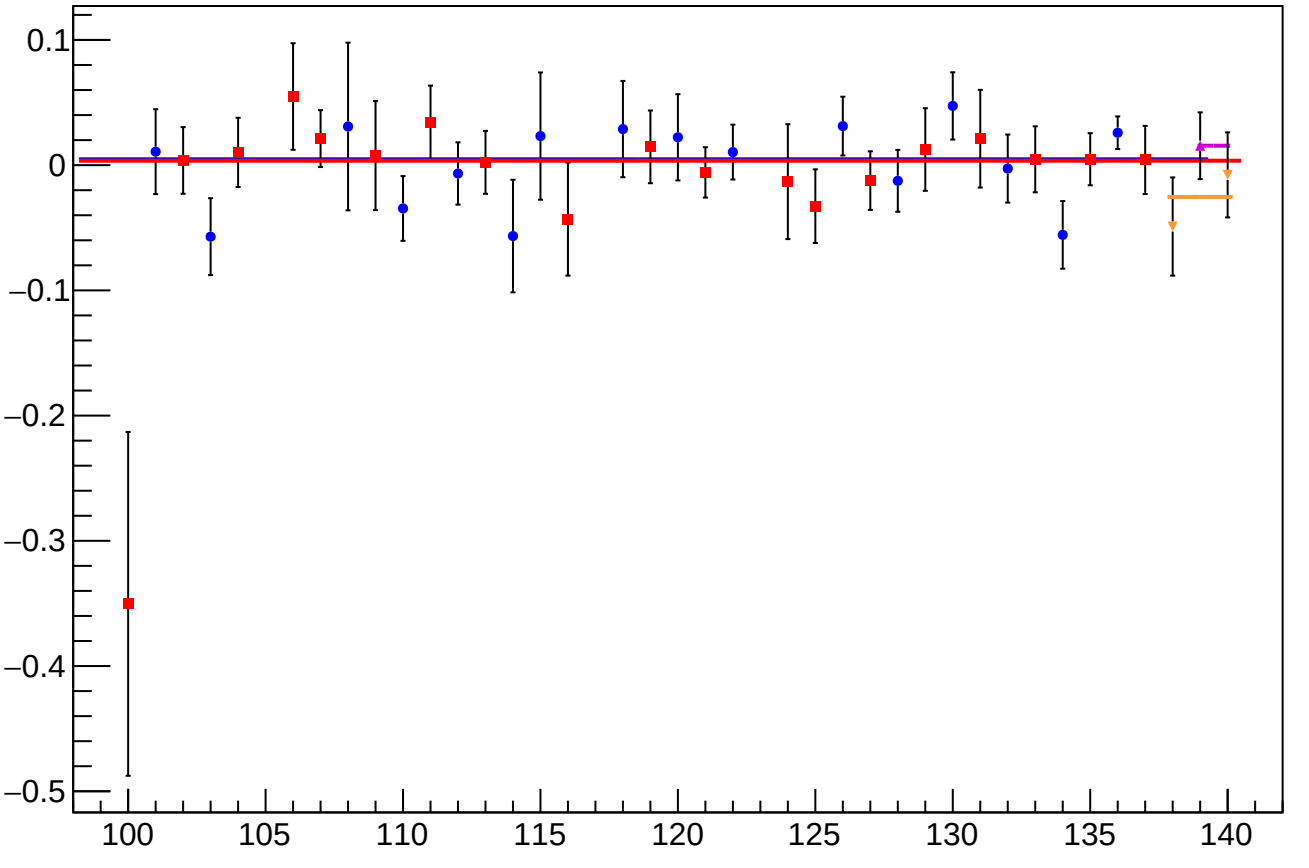
Left: 0.000+/-0.000 χ^2/NDF: 377265.0/2

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:2267259.7/16

Out: 0.000+/-0.000 χ^2/NDF:1672861.1/20

All: 0.000+/-0.000 χ^2/NDF: 4043528.6/37



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.025+/-0.026 χ^2/NDF:0.6/1

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.016+/-0.027 χ^2/NDF:0.0/0

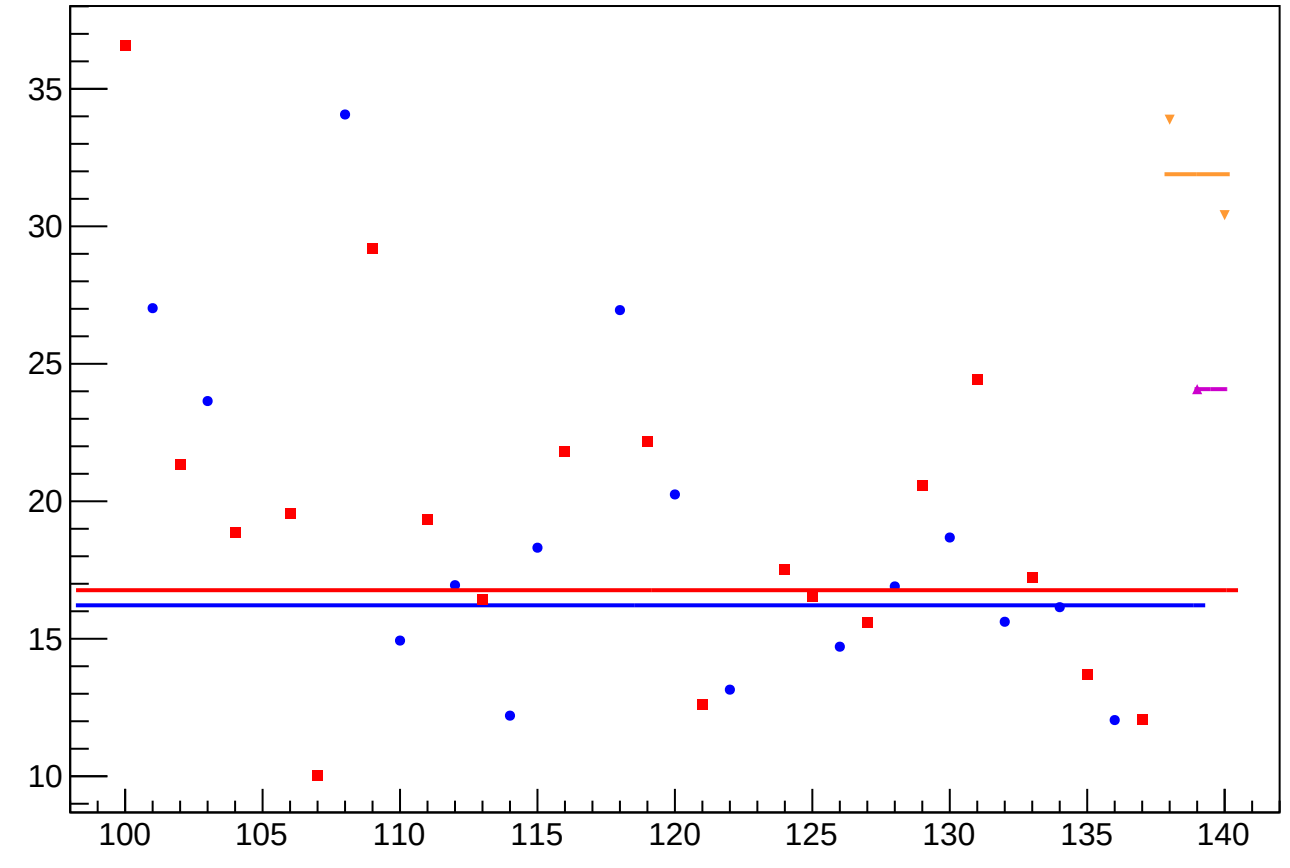
Left: -0.006+/-0.018 χ^2/NDF: 1.9/2

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.006 χ^2/NDF:21.6/16

Out: 0.002+/-0.006 χ^2/NDF:15.4/20

All: 0.004+/-0.005 χ^2/NDF: 37.2/37



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 31.895+/-0.018 χ^2/NDF:8958.3/1

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 24.078+/-0.019 χ^2/NDF:0.0/0

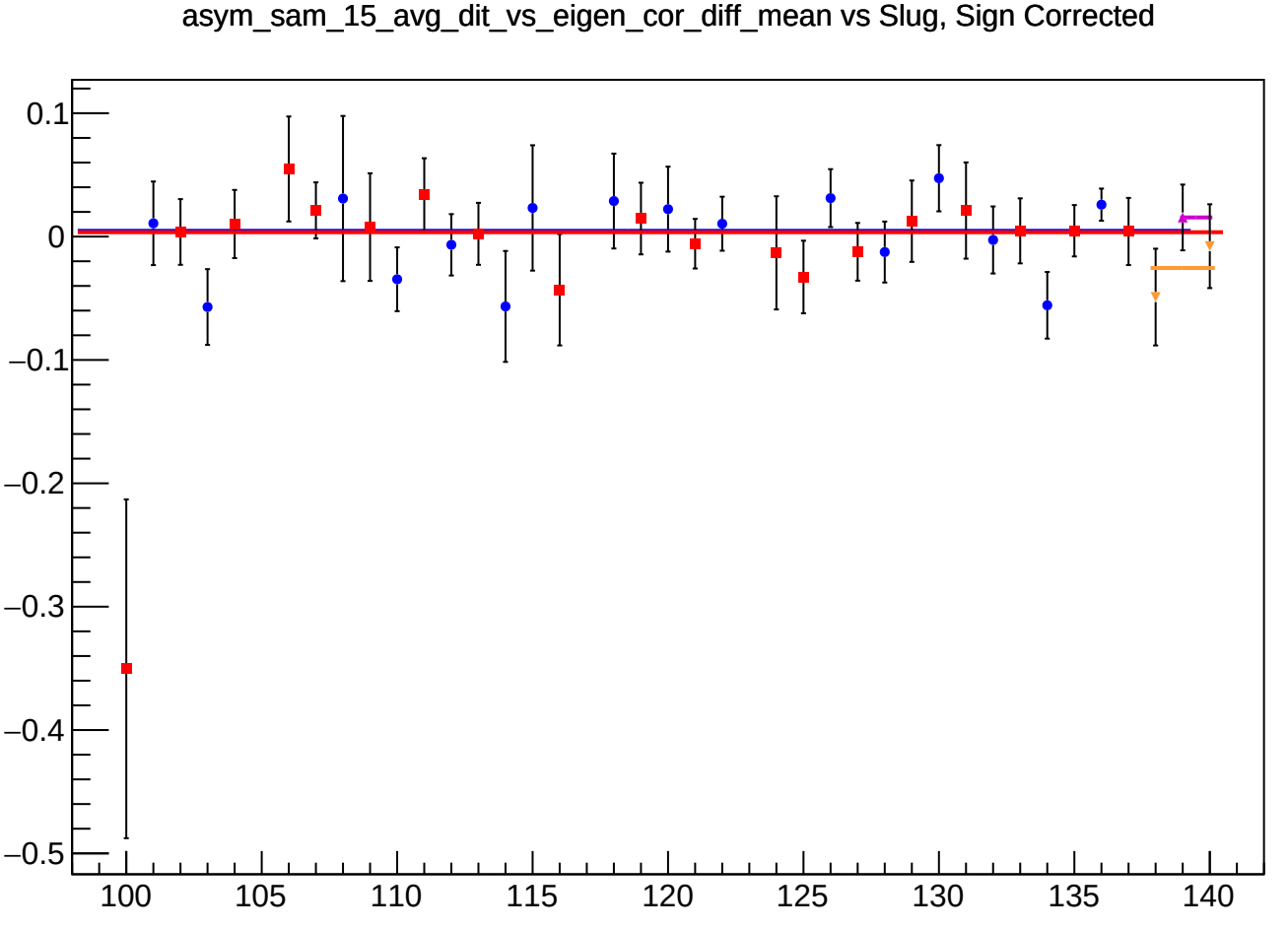
Left: 28.133+/-0.013 χ^2/NDF: 98152.4/2

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 16.666+/-0.005 χ^2/NDF:1107860.4/16

Out: 17.711+/-0.005 χ^2/NDF:1526637.0/20

All: 17.185+/-0.003 χ^2/NDF: 2661184.0/37



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.025+/-0.026 χ^2/NDF:0.6/1

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.016+/-0.027 χ^2/NDF:0.0/0

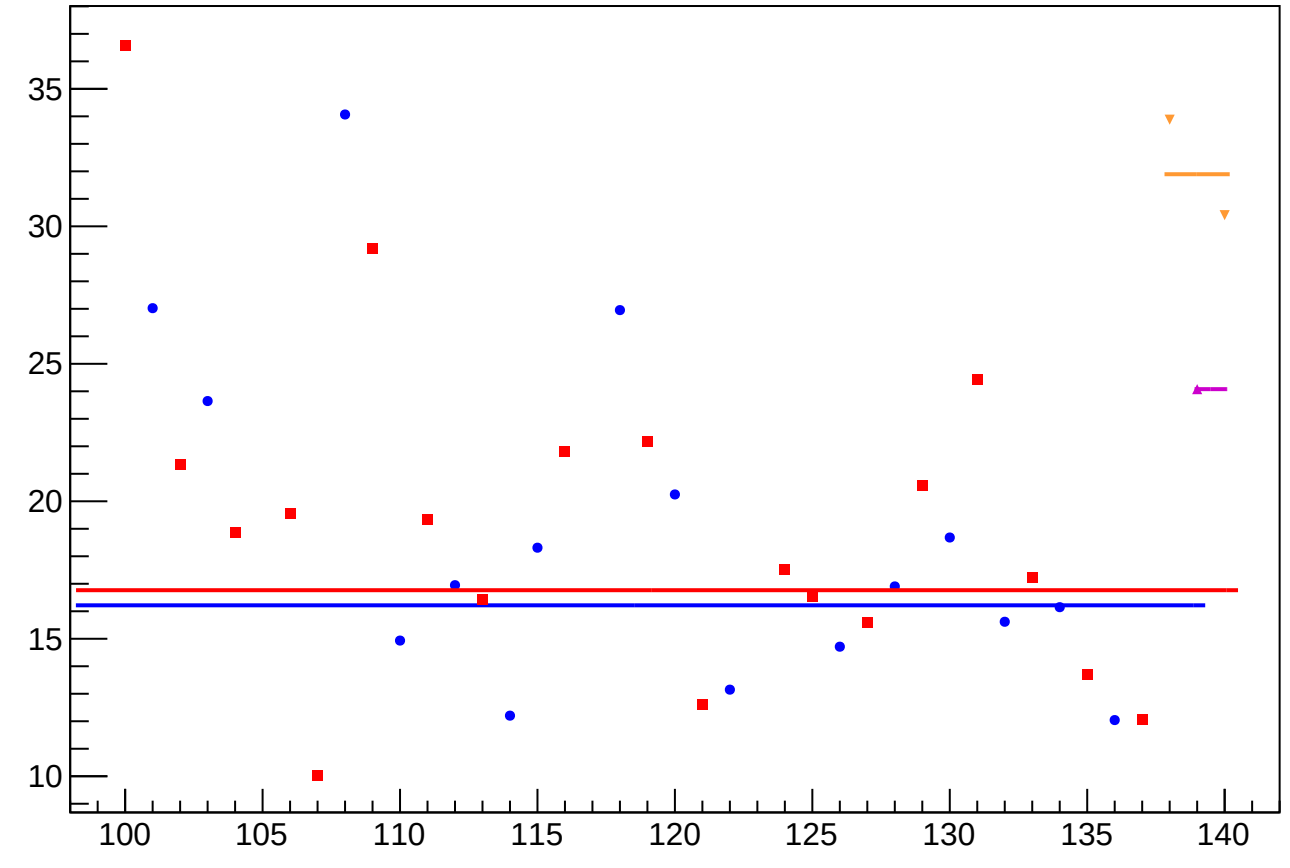
Left: -0.006+/-0.018 χ^2/NDF: 1.9/2

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.006 χ^2/NDF:21.6/16

Out: 0.002+/-0.006 χ^2/NDF:15.4/20

All: 0.004+/-0.005 χ^2/NDF: 37.2/37



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 31.895+/-0.018 χ^2/NDF:8958.3/1

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 24.078+/-0.019 χ^2/NDF:0.0/0

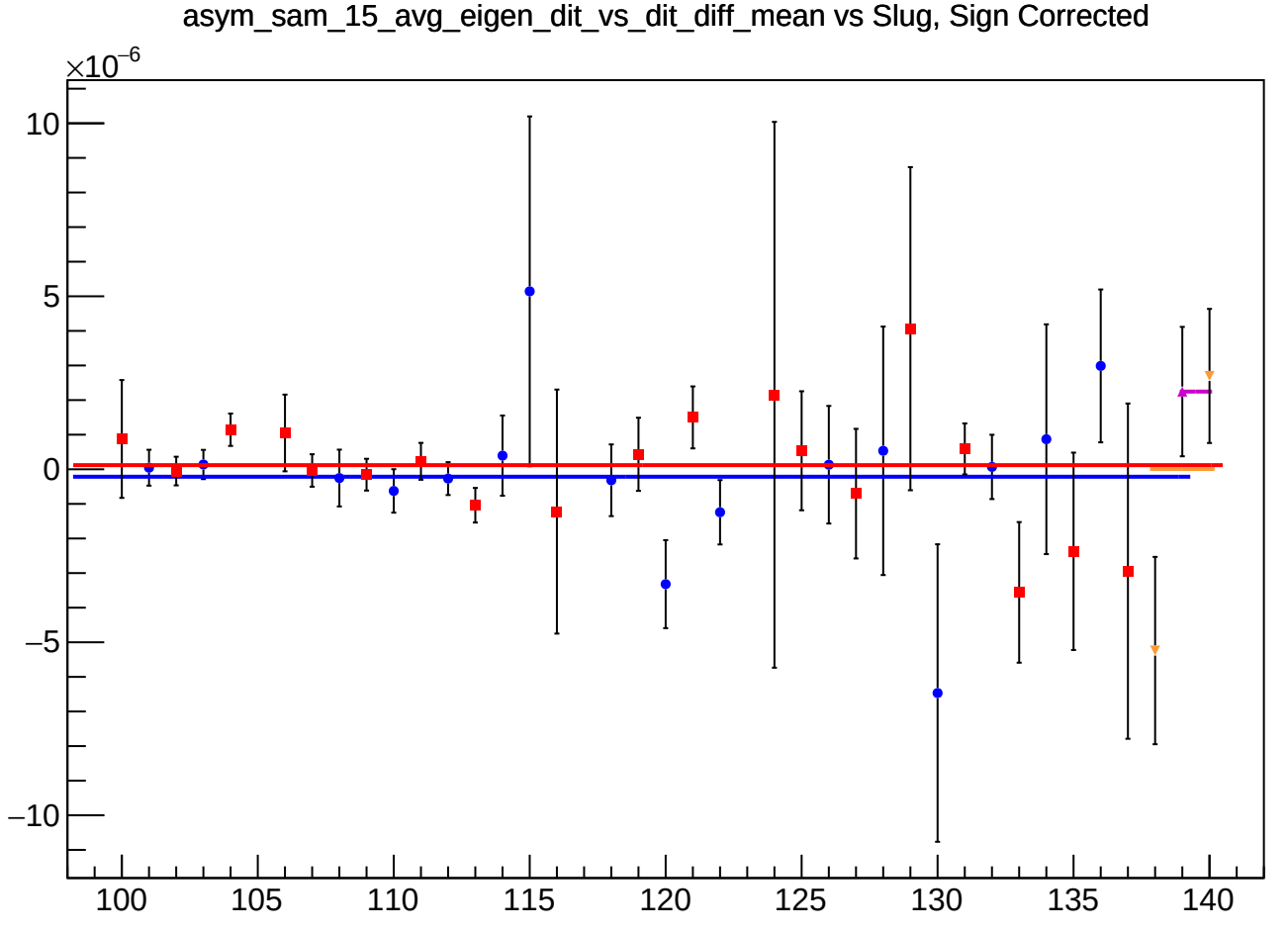
Left: 28.133+/-0.013 χ^2/NDF: 98152.4/2

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 16.666+/-0.005 χ^2/NDF:1107860.4/16

Out: 17.711+/-0.005 χ^2/NDF:1526637.0/20

All: 17.185+/-0.003 χ^2/NDF: 2661184.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

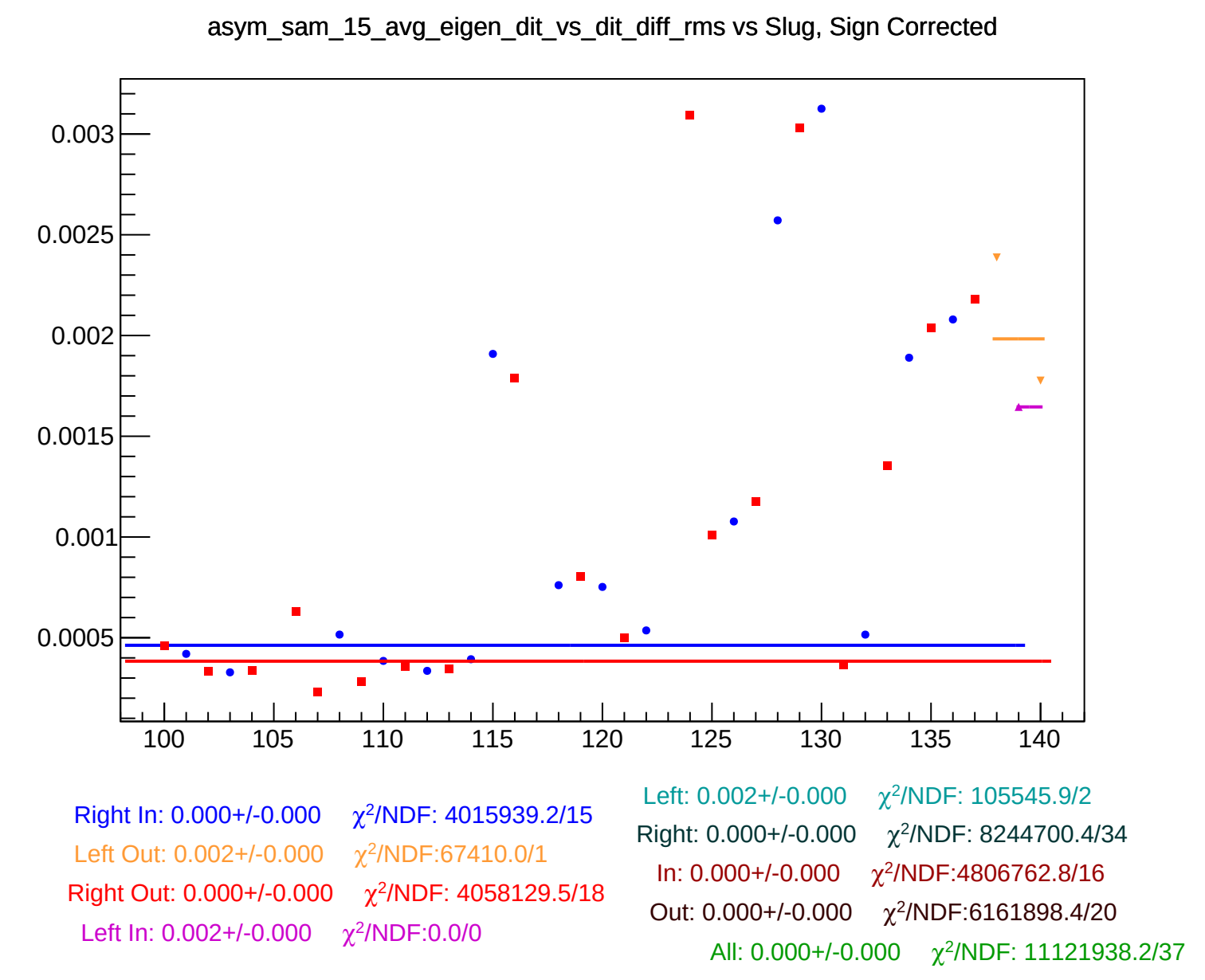
Left: 0.000+/-0.000 χ^2/NDF: 6.5/2

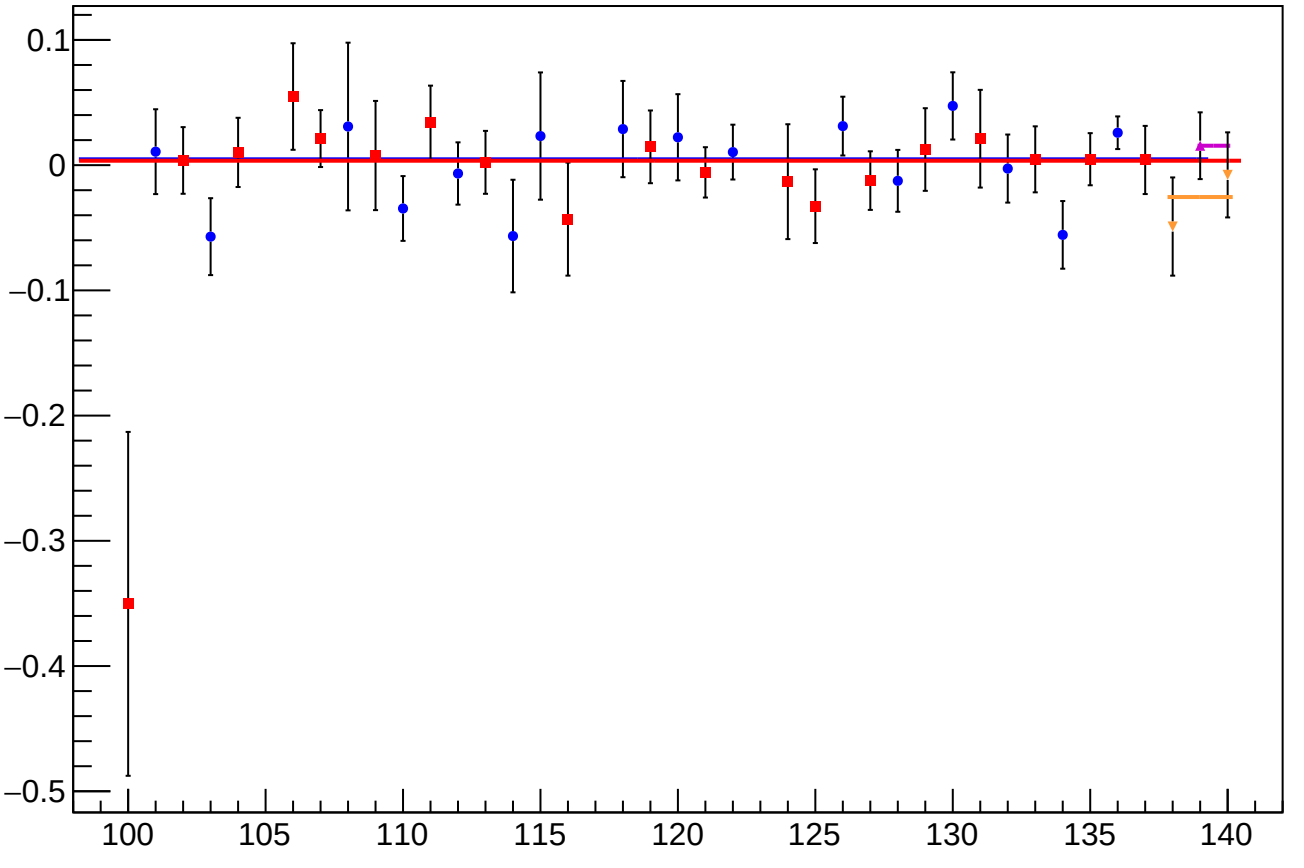
Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:16.2/16

Out: 0.000+/-0.000 χ^2/NDF:25.9/20

All: -0.000+/-0.000 χ^2/NDF: 43.4/37


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.002+/-0.000 χ²/NDF:67410.0/1
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.002+/-0.000 χ²/NDF:0.0/0
Left: 0.002+/-0.000 χ²/NDF: 105545.9/2
Right: 0.000+/-0.000 χ²/NDF: 8244700.4/34
In: 0.000+/-0.000 χ²/NDF:4806762.8/16
Out: 0.000+/-0.000 χ²/NDF:6161898.4/20
All: 0.000+/-0.000 χ²/NDF: 11121938.2/37



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.025+/-0.026 χ^2/NDF:0.6/1

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.016+/-0.027 χ^2/NDF:0.0/0

Left: -0.006+/-0.018 χ^2/NDF: 1.9/2

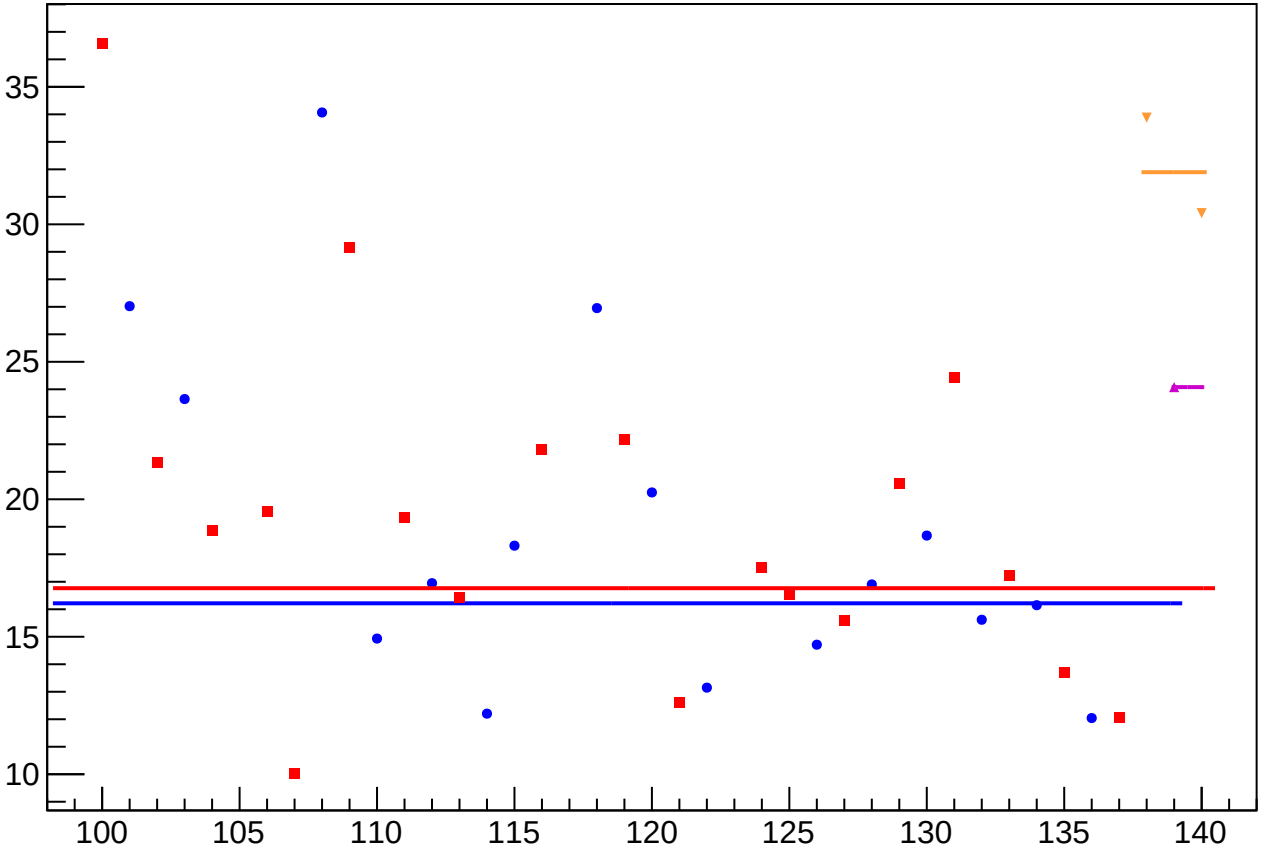
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.006 χ^2/NDF:21.6/16

Out: 0.002+/-0.006 χ^2/NDF:15.4/20

All: 0.004+/-0.005 χ^2/NDF: 37.2/37

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 31.896+/-0.018 χ^2/NDF:8958.1/1

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 24.080+/-0.019 χ^2/NDF:0.0/0

Left: 28.135+/-0.013 χ^2/NDF: 98147.2/2

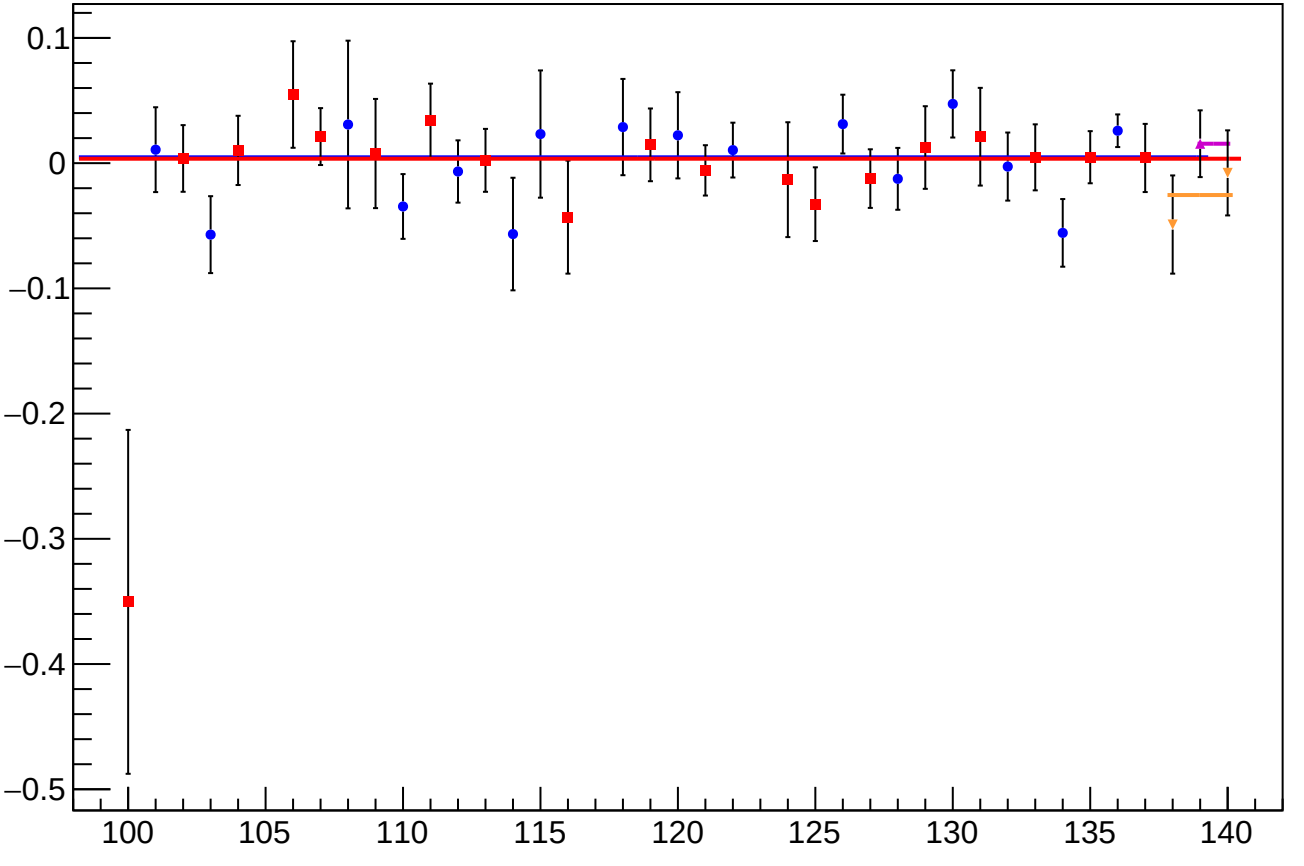
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 16.666+/-0.005 χ^2/NDF:1107863.7/16

Out: 17.711+/-0.005 χ^2/NDF:1526702.5/20

All: 17.185+/-0.003 χ^2/NDF: 2661250.5/37

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: -0.025+/-0.026 χ^2/NDF:0.6/1

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.016+/-0.027 χ^2/NDF:0.0/0

Left: -0.006+/-0.018 χ^2/NDF: 1.9/2

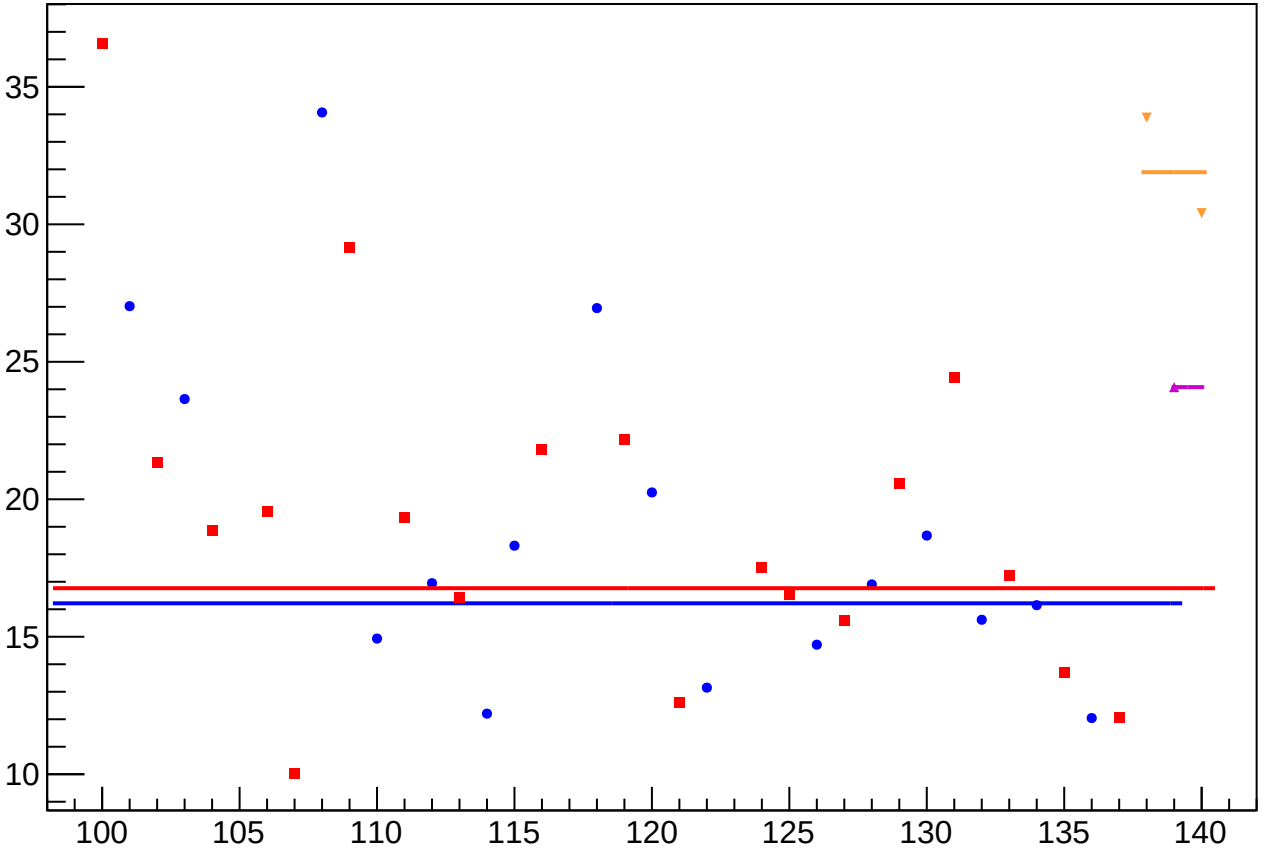
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.006 χ^2/NDF:21.6/16

Out: 0.002+/-0.006 χ^2/NDF:15.4/20

All: 0.004+/-0.005 χ^2/NDF: 37.2/37

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: 31.896+/-0.018 χ^2/NDF:8958.1/1

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 24.080+/-0.019 χ^2/NDF:0.0/0

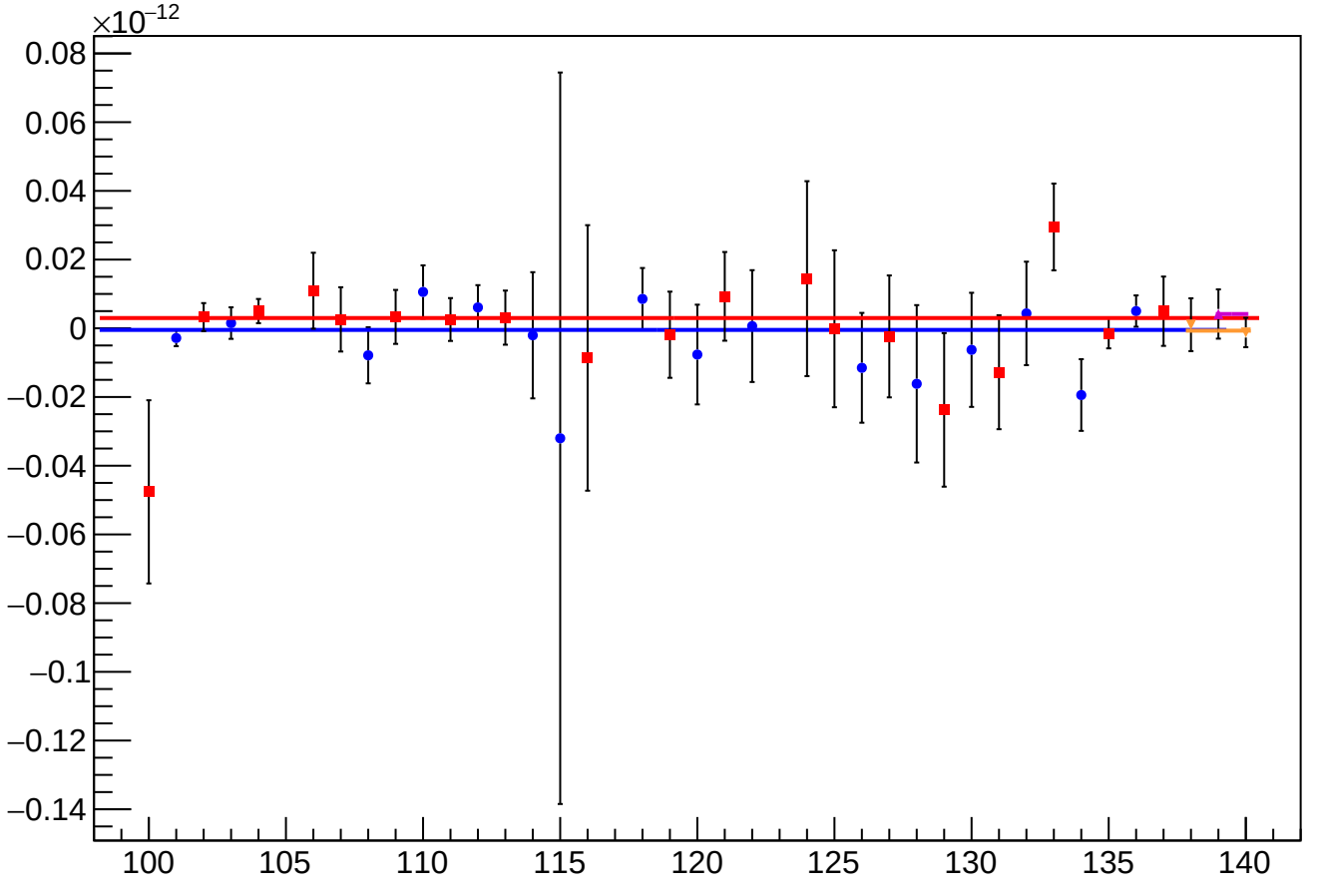
Left: 28.135+/-0.013 χ^2/NDF: 98147.2/2

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 16.666+/-0.005 χ^2/NDF:1107863.7/16

Out: 17.711+/-0.005 χ^2/NDF:1526702.5/20

All: 17.185+/-0.003 χ^2/NDF: 2661250.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.4/2

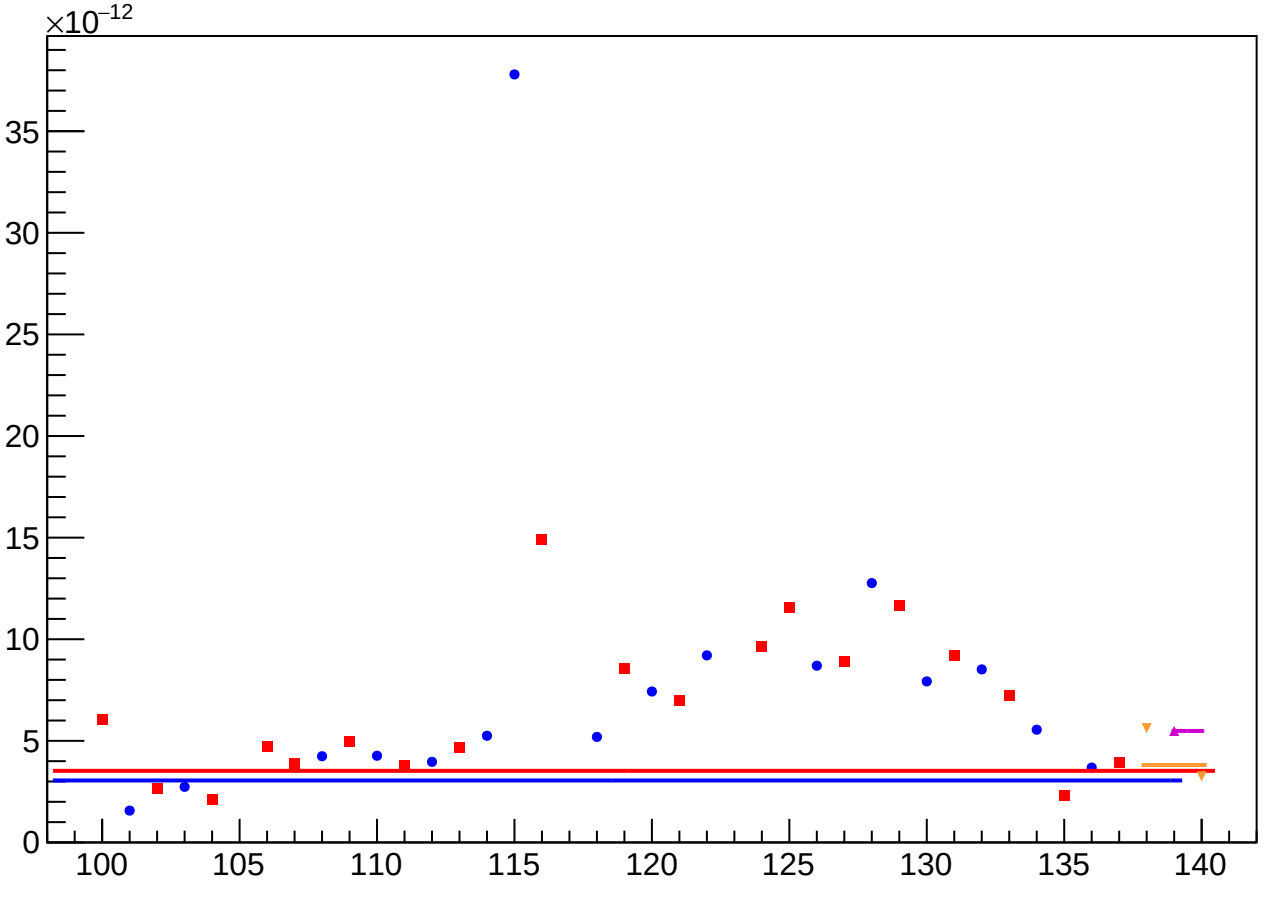
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:12.7/16

Out: 0.000+/-0.000 χ^2/NDF:13.9/20

All: 0.000+/-0.000 χ^2/NDF: 27.8/37

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:145731.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 231583.1/2

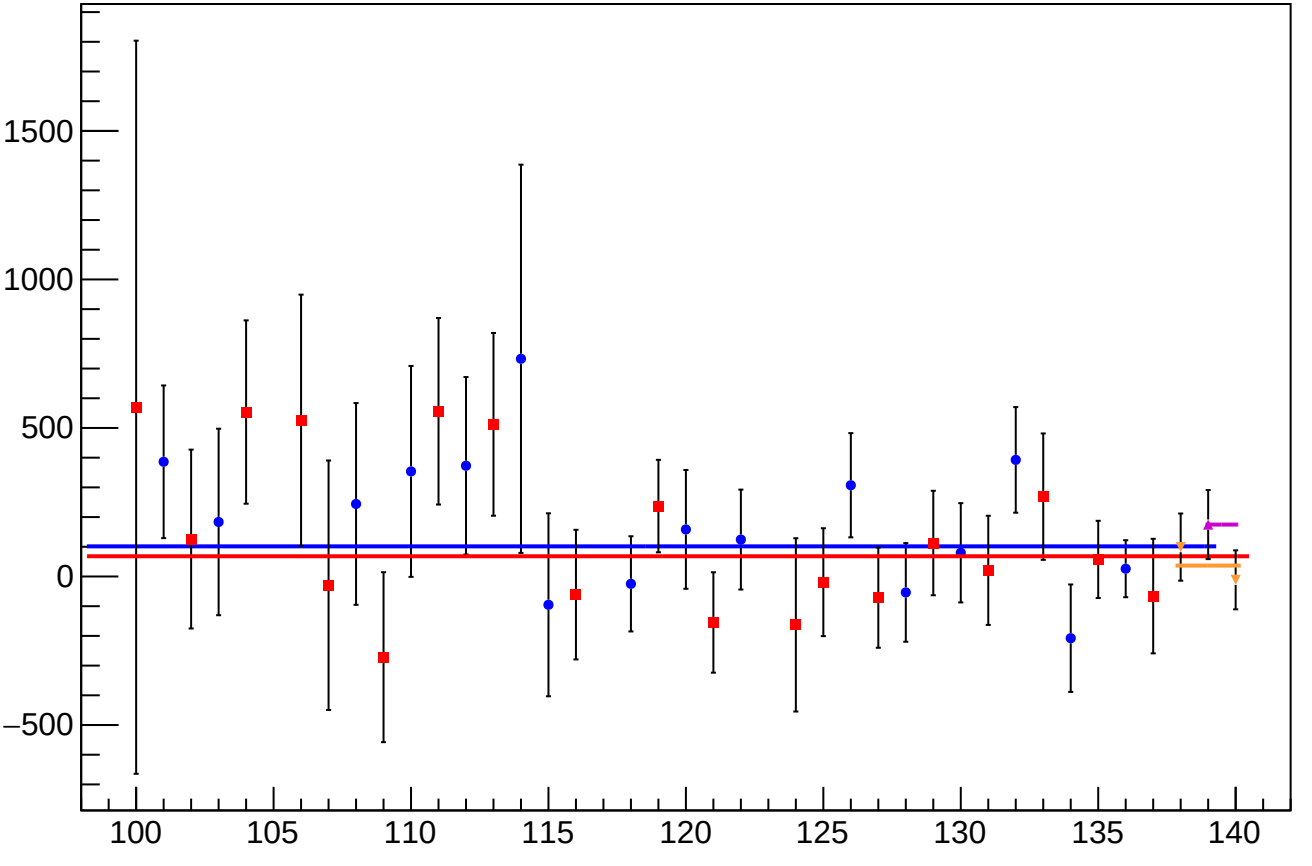
Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:3156859.9/16

Out: 0.000+/-0.000 χ^2/NDF:2714463.1/20

All: 0.000+/-0.000 χ^2/NDF: 5935558.3/37

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 36.739+/-74.612 χ^2/NDF:0.5/1

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 174.757+/-116.188 χ^2/NDF:0.0/0

Left: 77.037+/-62.782 χ^2/NDF: 1.5/2

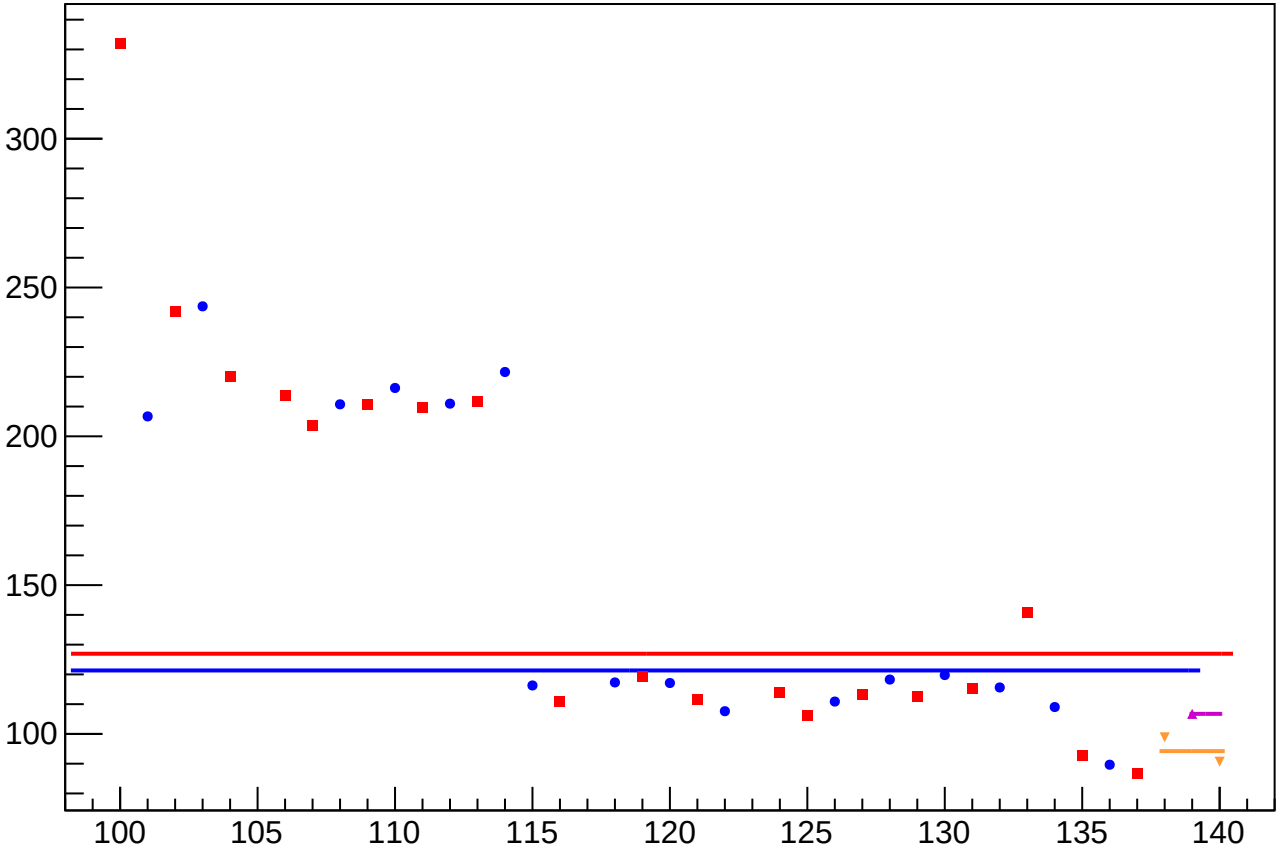
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 112.005+/-44.071 χ^2/NDF:13.7/16

Out: 58.567+/-41.148 χ^2/NDF:16.8/20

All: 83.455+/-30.076 χ^2/NDF: 31.3/37

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 94.222+/-0.053 χ^2/NDF:5913.6/1

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 106.744+/-0.082 χ^2/NDF:0.0/0

Left: 97.878+/-0.044 χ^2/NDF: 22359.7/2

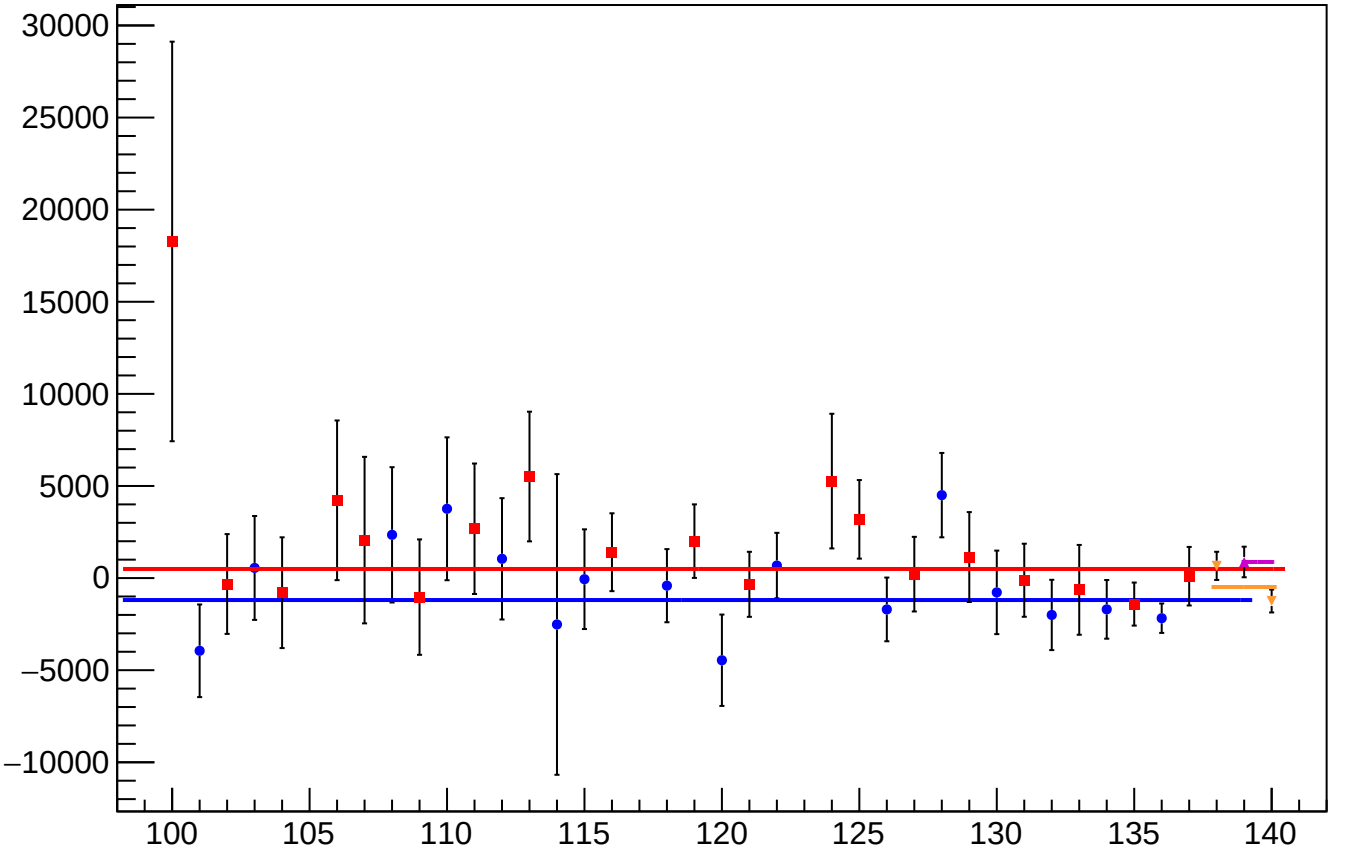
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 119.227+/-0.031 χ^2/NDF:1313620.3/16

Out: 116.993+/-0.029 χ^2/NDF:1745187.9/20

All: 118.033+/-0.021 χ^2/NDF: 3061556.2/37

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: -484.333+/-482.747 χ^2/NDF:3.7/1

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: 873.767+/-830.172 χ^2/NDF:0.0/0

Left: -141.145+/-417.319 χ^2/NDF: 5.7/2

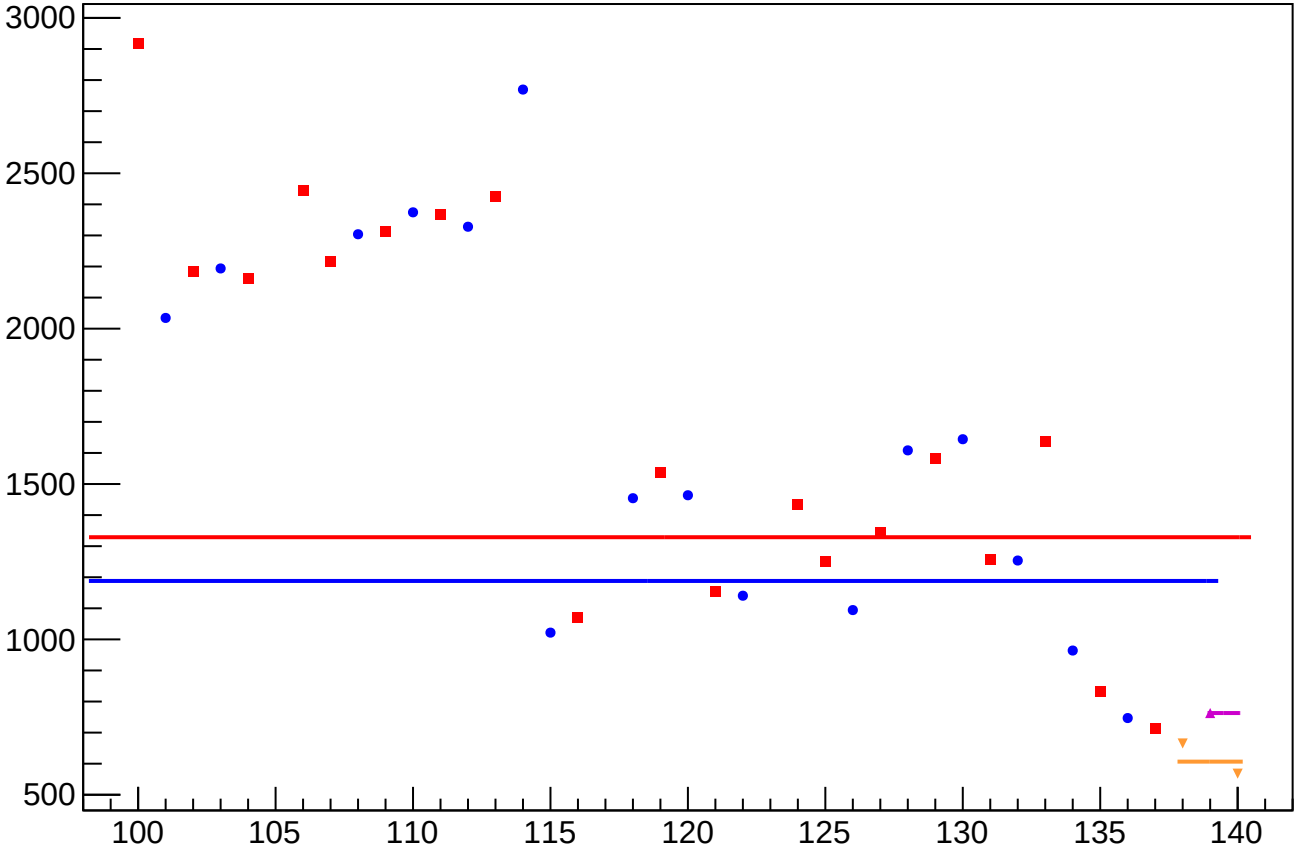
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -676.318+/-414.831 χ^2/NDF:20.6/16

Out: -32.812+/-354.343 χ^2/NDF:19.5/20

All: -304.270+/-269.430 χ^2/NDF: 41.5/37

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 606.606+/-0.341 χ^2/NDF:19420.5/1

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 762.980+/-0.587 χ^2/NDF:0.0/0

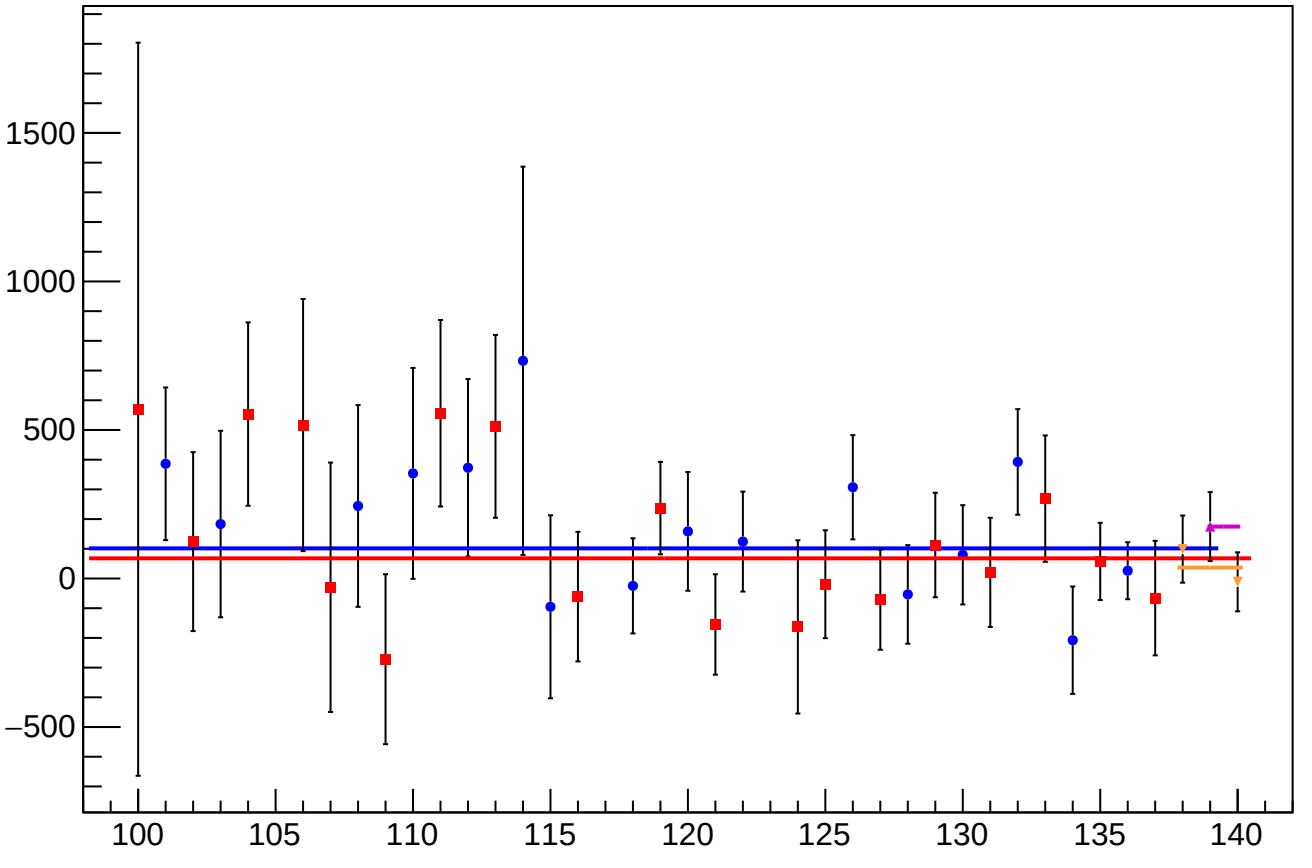
Left: 646.121+/-0.295 χ^2/NDF: 72450.3/2

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 1081.927+/-0.293 χ^2/NDF:2438089.2/16

Out: 939.708+/-0.251 χ^2/NDF:4041753.3/20

All: 999.702+/-0.191 χ^2/NDF: 6615753.3/37



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 36.743+/-74.612 χ^2/NDF:0.5/1

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 174.781+/-116.188 χ^2/NDF:0.0/0

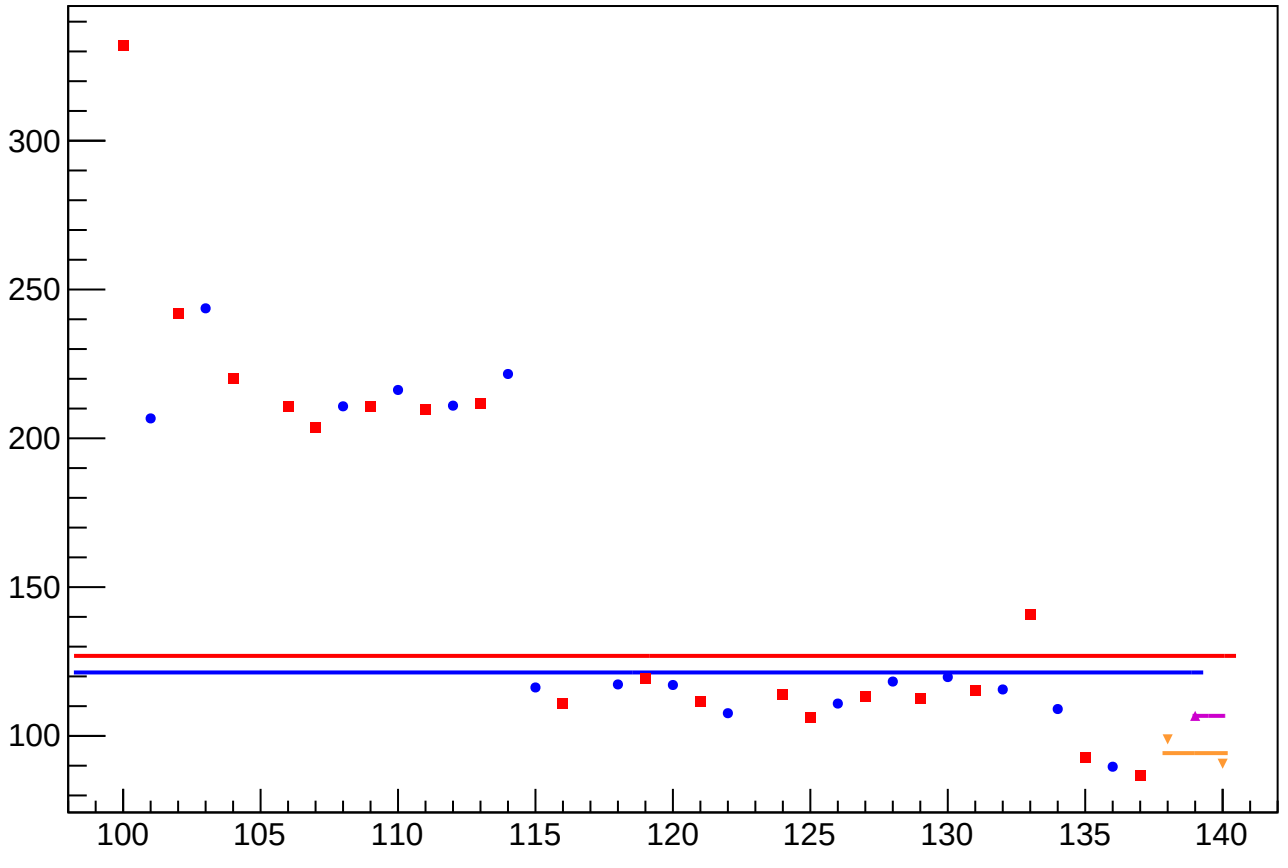
Left: 77.047+/-62.782 χ^2/NDF: 1.5/2

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 111.997+/-44.071 χ^2/NDF:13.7/16

Out: 58.410+/-41.150 χ^2/NDF:16.7/20

All: 83.369+/-30.077 χ^2/NDF: 31.2/37



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 94.222+/-0.053 χ^2/NDF:5913.6/1

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 106.744+/-0.082 χ^2/NDF:0.0/0

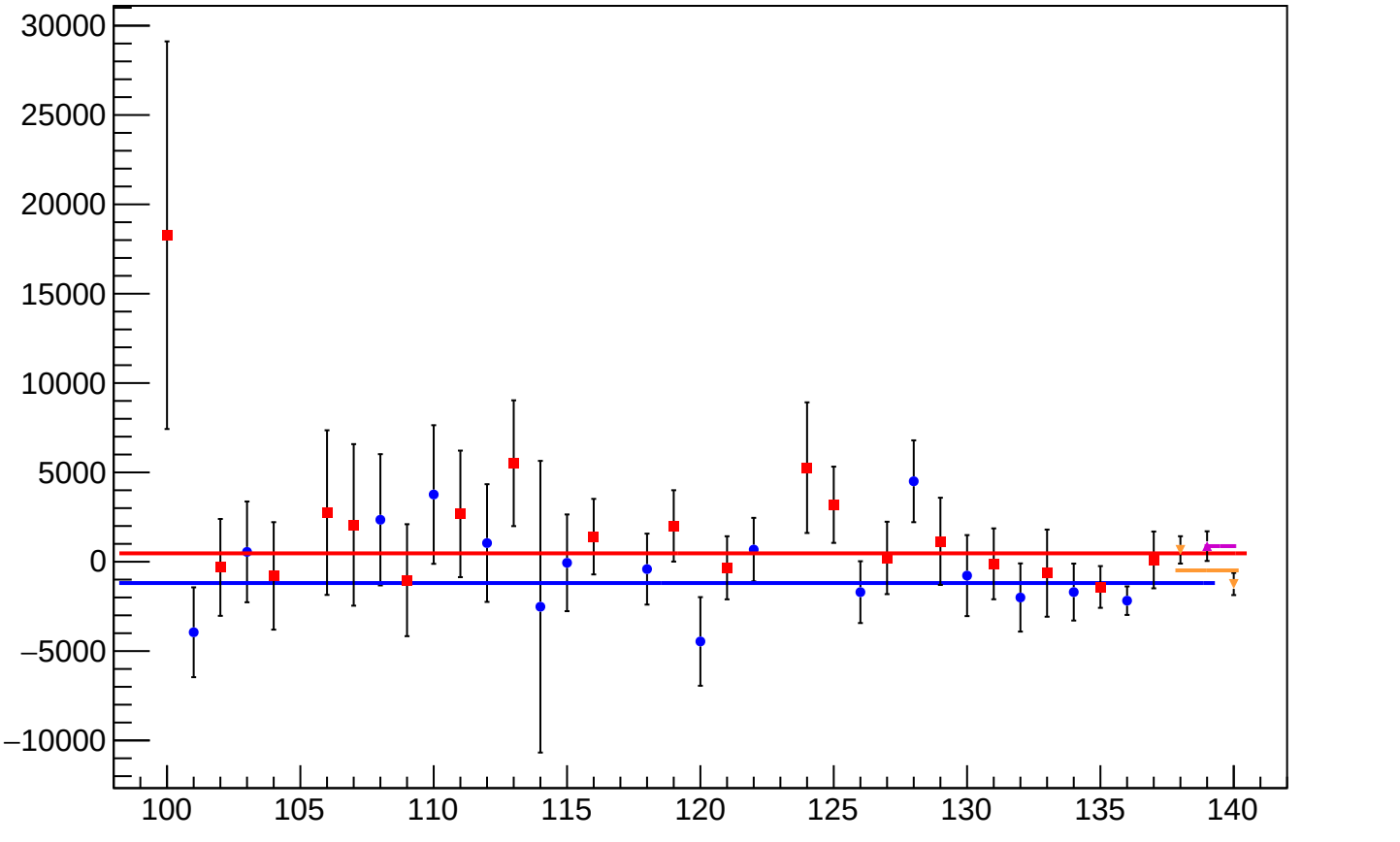
Left: 97.878+/-0.044 χ^2/NDF: 22359.7/2

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 119.227+/-0.031 χ^2/NDF:1313622.8/16

Out: 116.957+/-0.029 χ^2/NDF:1738246.7/20

All: 118.014+/-0.021 χ^2/NDF: 3054705.8/37



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -484.327+/-482.747 χ^2/NDF:3.7/1

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 873.791+/-830.172 χ^2/NDF:0.0/0

Left: -141.134+/-417.319 χ^2/NDF: 5.7/2

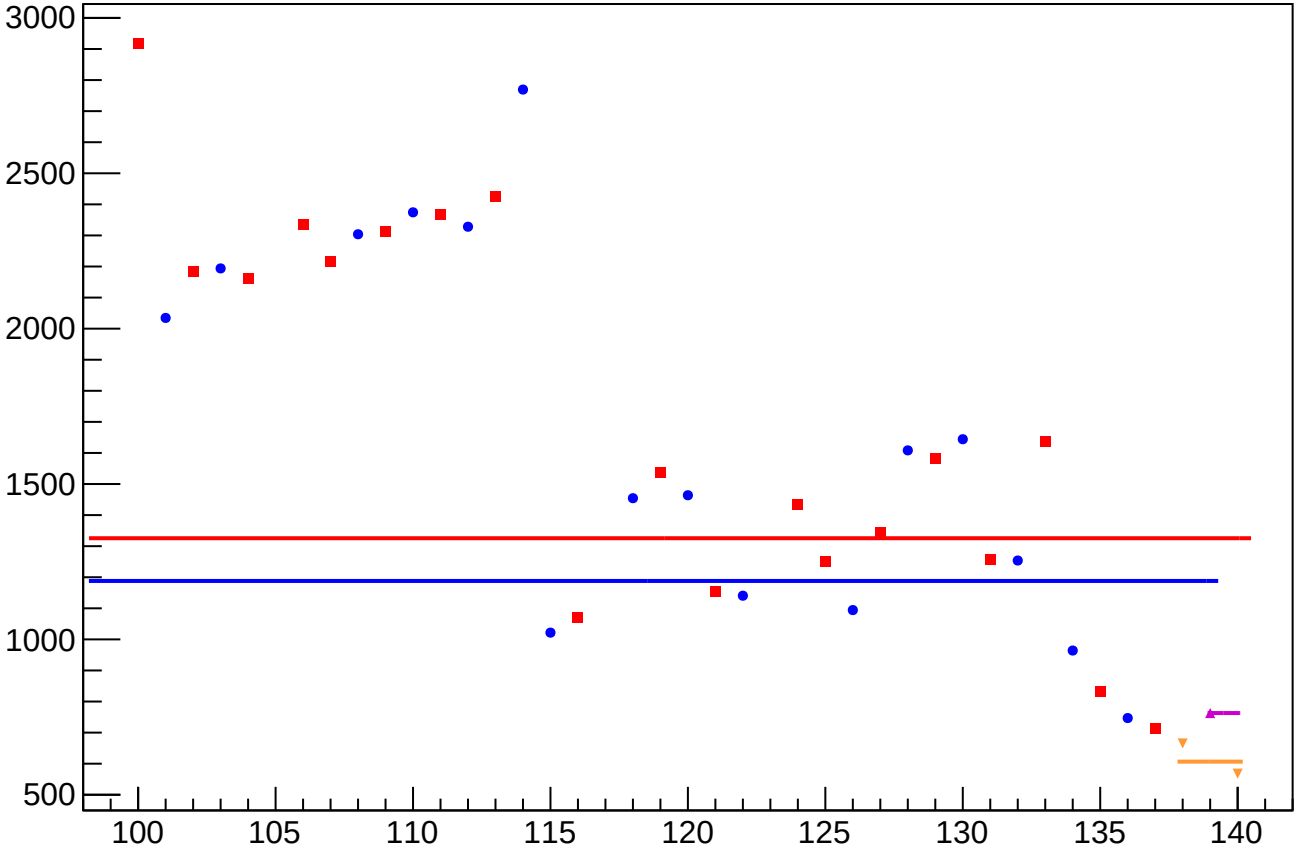
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -676.293+/-414.832 χ^2/NDF:20.6/16

Out: -44.696+/-354.483 χ^2/NDF:18.9/20

All: -311.252+/-269.492 χ^2/NDF: 40.8/37

asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 606.605+/-0.341 χ^2/NDF:19420.7/1

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 762.980+/-0.587 χ^2/NDF:0.0/0

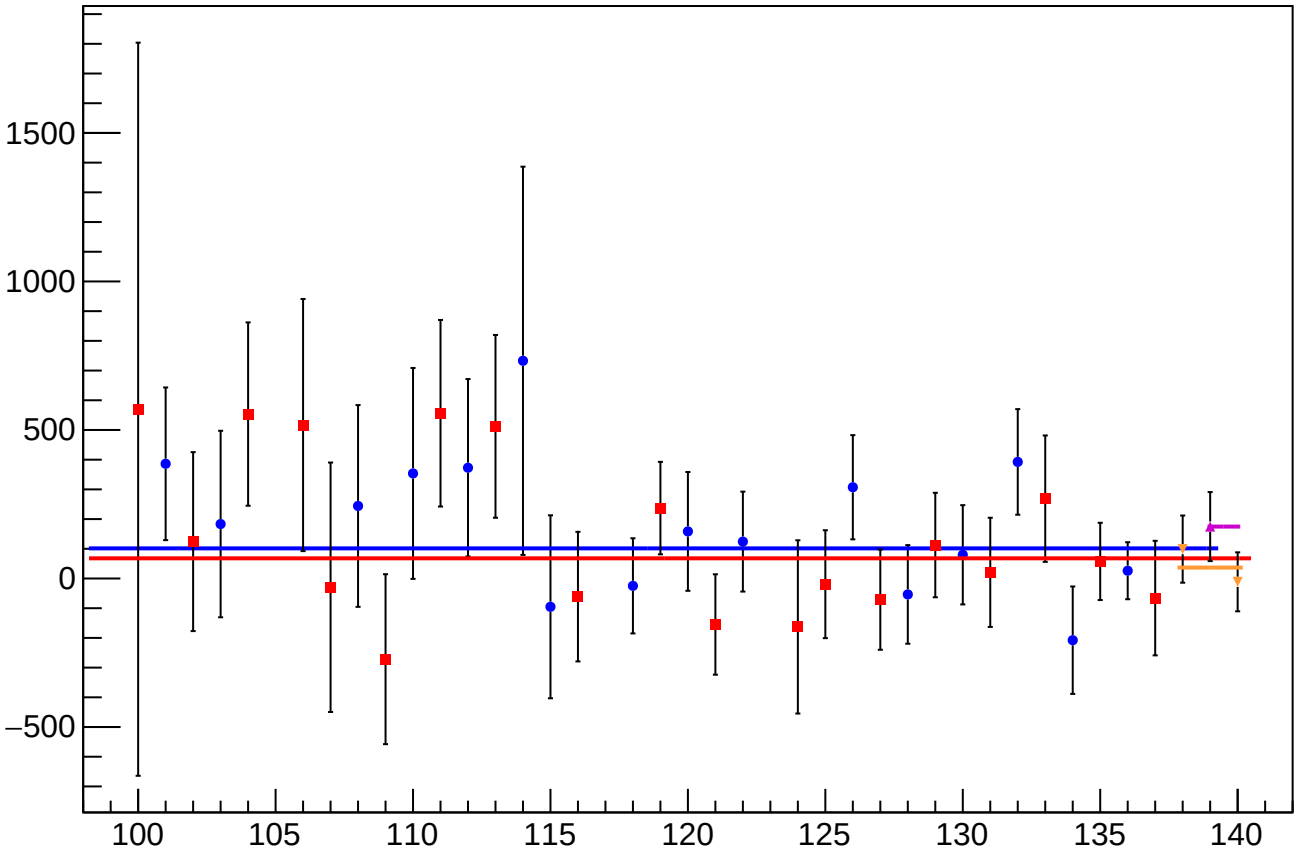
Left: 646.121+/-0.295 χ^2/NDF: 72450.8/2

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 1081.927+/-0.293 χ^2/NDF:2438119.6/16

Out: 937.901+/-0.251 χ^2/NDF:3984544.3/20

All: 998.685+/-0.191 χ^2/NDF: 6562002.6/37



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 36.743+/-74.612 χ^2/NDF:0.5/1

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 174.781+/-116.188 χ^2/NDF:0.0/0

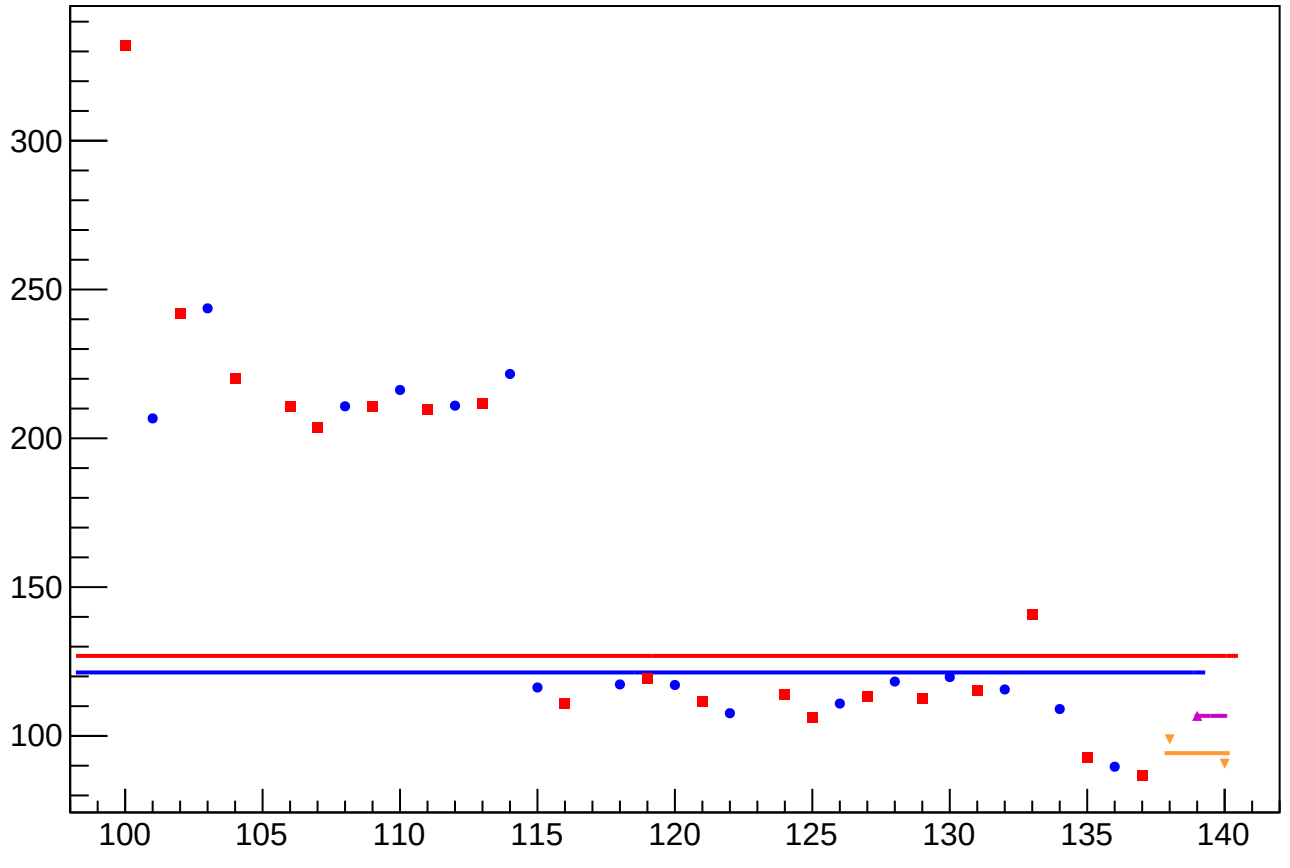
Left: 77.047+/-62.782 χ^2/NDF: 1.5/2

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 111.997+/-44.071 χ^2/NDF:13.7/16

Out: 58.410+/-41.150 χ^2/NDF:16.7/20

All: 83.369+/-30.077 χ^2/NDF: 31.2/37



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 94.222+/-0.053 χ^2/NDF:5913.6/1

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 106.744+/-0.082 χ^2/NDF:0.0/0

Left: 97.878+/-0.044 χ^2/NDF: 22359.7/2

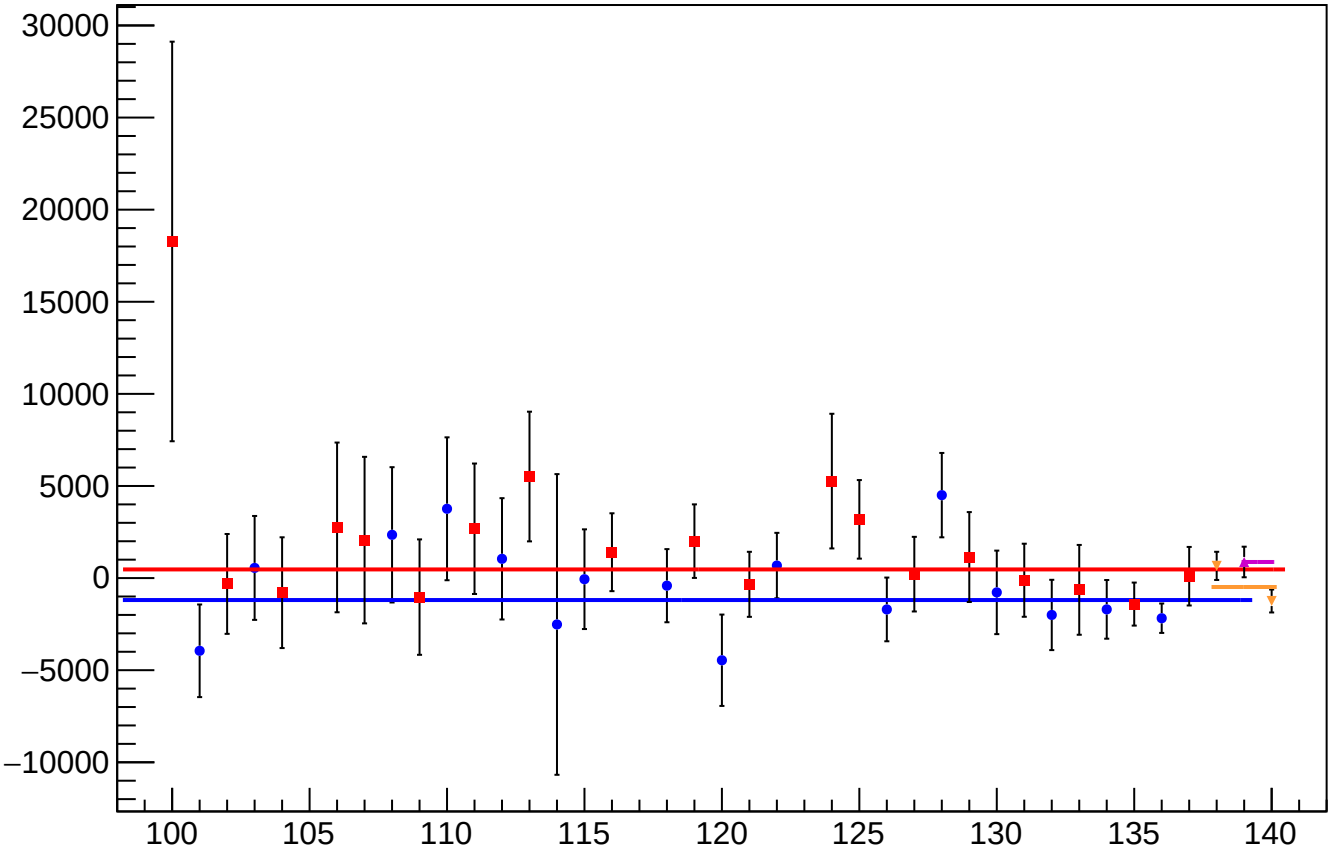
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 119.227+/-0.031 χ^2/NDF:1313622.8/16

Out: 116.957+/-0.029 χ^2/NDF:1738246.7/20

All: 118.014+/-0.021 χ^2/NDF: 3054705.8/37

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -484.327+/-482.747 χ^2/NDF:3.7/1

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 873.791+/-830.172 χ^2/NDF:0.0/0

Left: -141.134+/-417.319 χ^2/NDF: 5.7/2

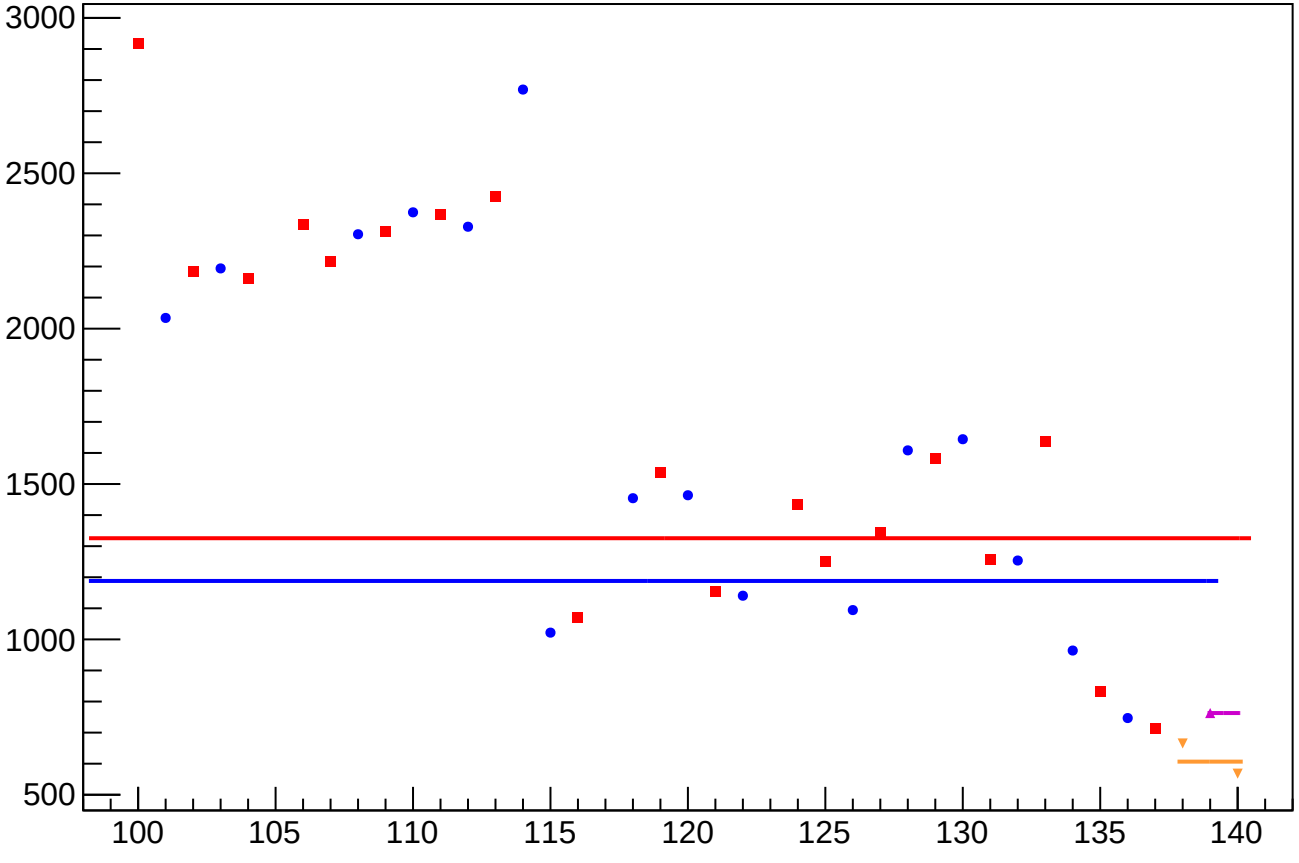
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -676.293+/-414.832 χ^2/NDF:20.6/16

Out: -44.696+/-354.483 χ^2/NDF:18.9/20

All: -311.252+/-269.492 χ^2/NDF: 40.8/37

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 606.605+/-0.341 χ^2/NDF:19420.7/1

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 762.980+/-0.587 χ^2/NDF:0.0/0

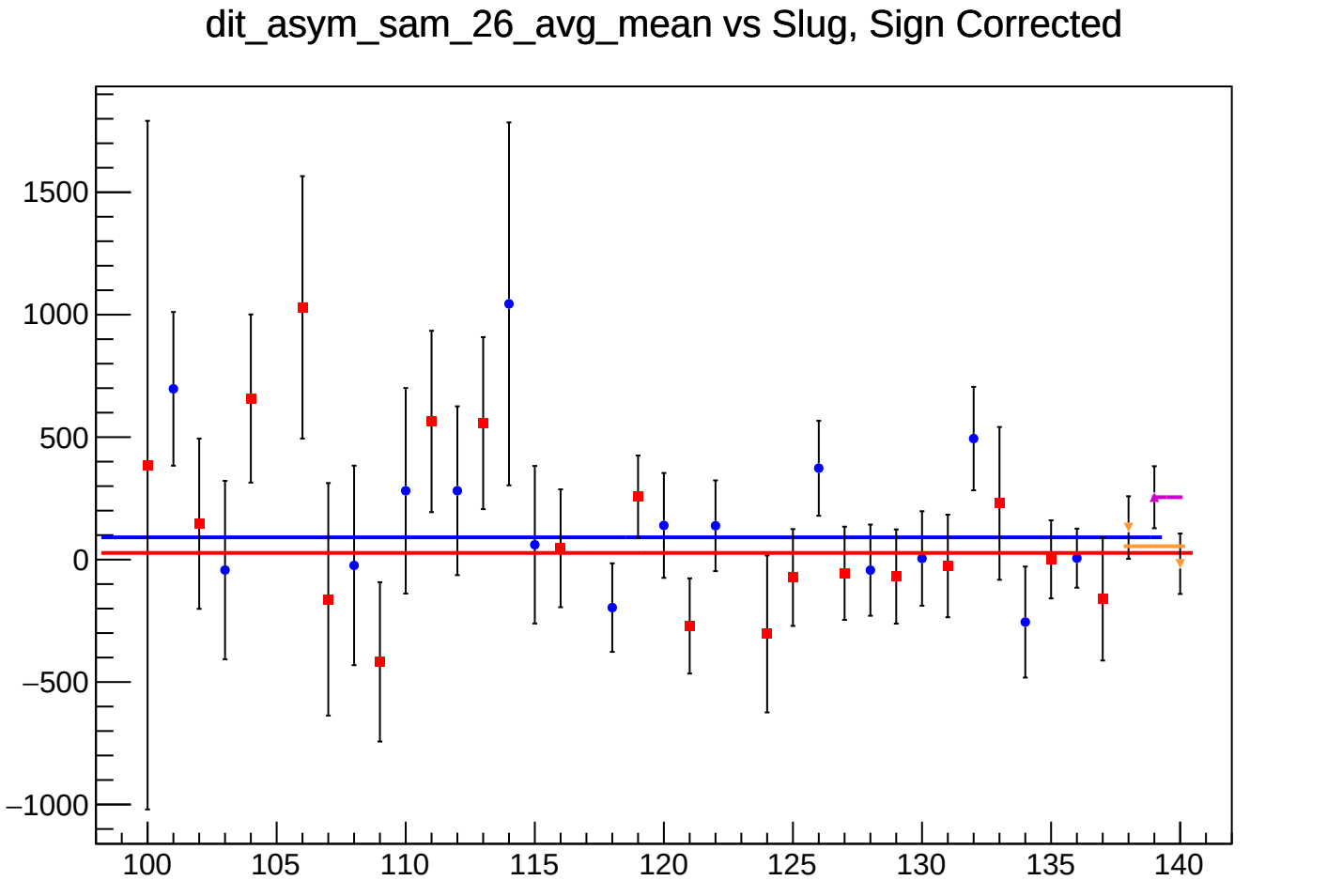
Left: 646.121+/-0.295 χ^2/NDF: 72450.8/2

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 1081.927+/-0.293 χ^2/NDF:2438119.6/16

Out: 937.901+/-0.251 χ^2/NDF:3984544.3/20

All: 998.685+/-0.191 χ^2/NDF: 6562002.6/37



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 54.566+/-88.705 χ^2/NDF:0.7/1

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 254.691+/-126.606 χ^2/NDF:0.0/0

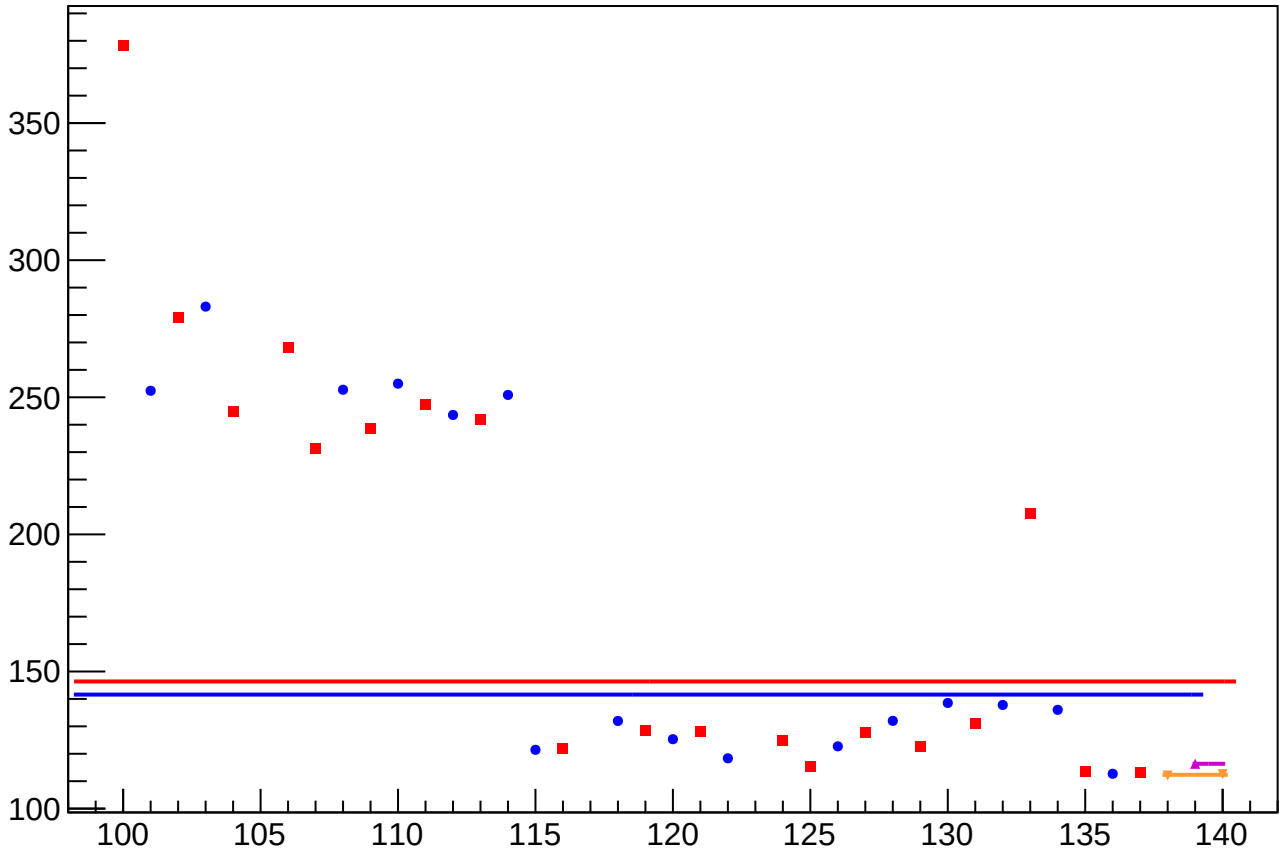
Left: 120.460+/-72.648 χ^2/NDF: 2.4/2

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 117.360+/-50.880 χ^2/NDF:19.5/16

Out: 35.179+/-47.962 χ^2/NDF:21.3/20

All: 73.846+/-34.900 χ^2/NDF: 42.2/37



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 112.328+/-0.063 χ^2/NDF:17.4/1

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 116.355+/-0.090 χ^2/NDF:0.0/0

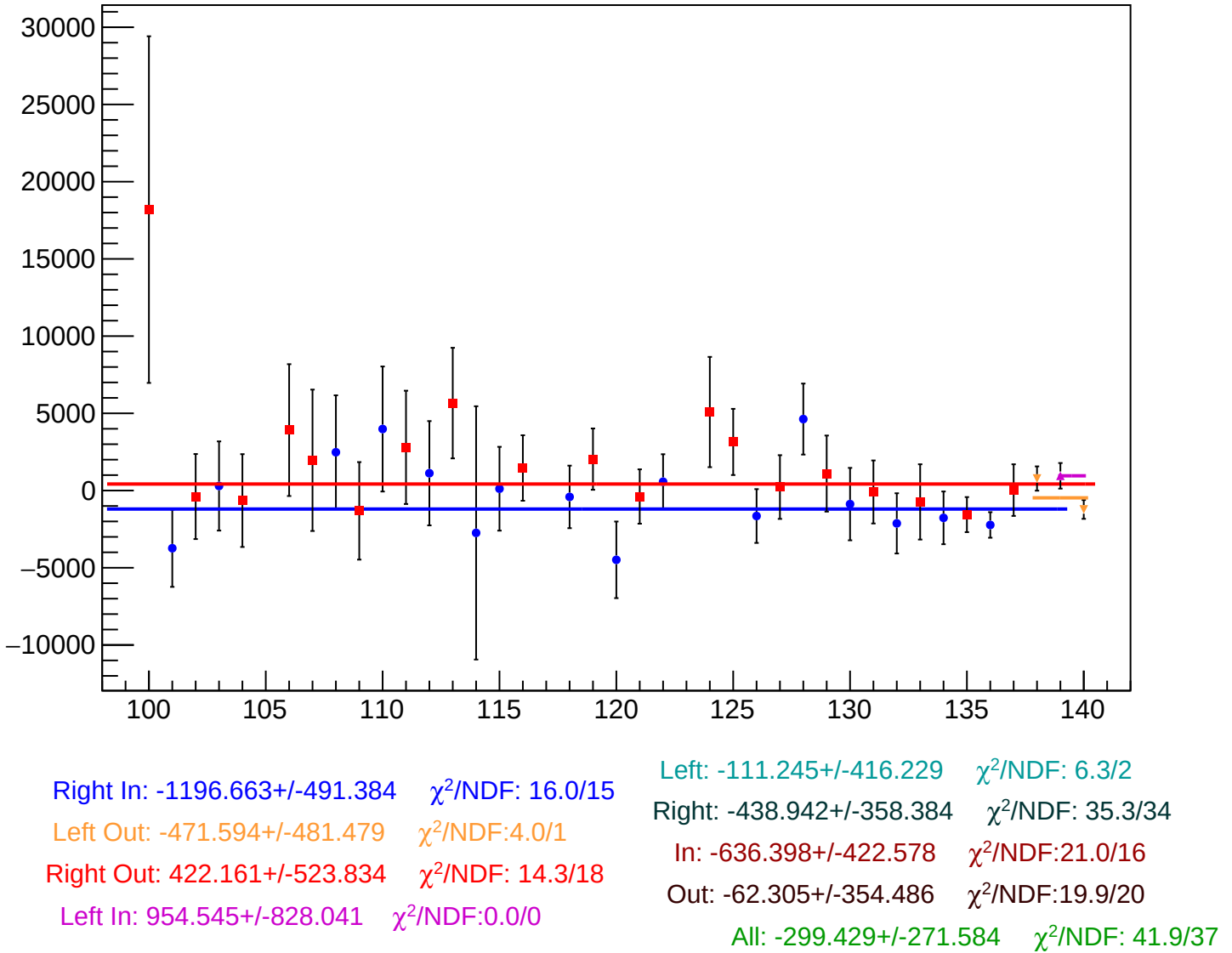
Left: 113.654+/-0.051 χ^2/NDF: 1374.4/2

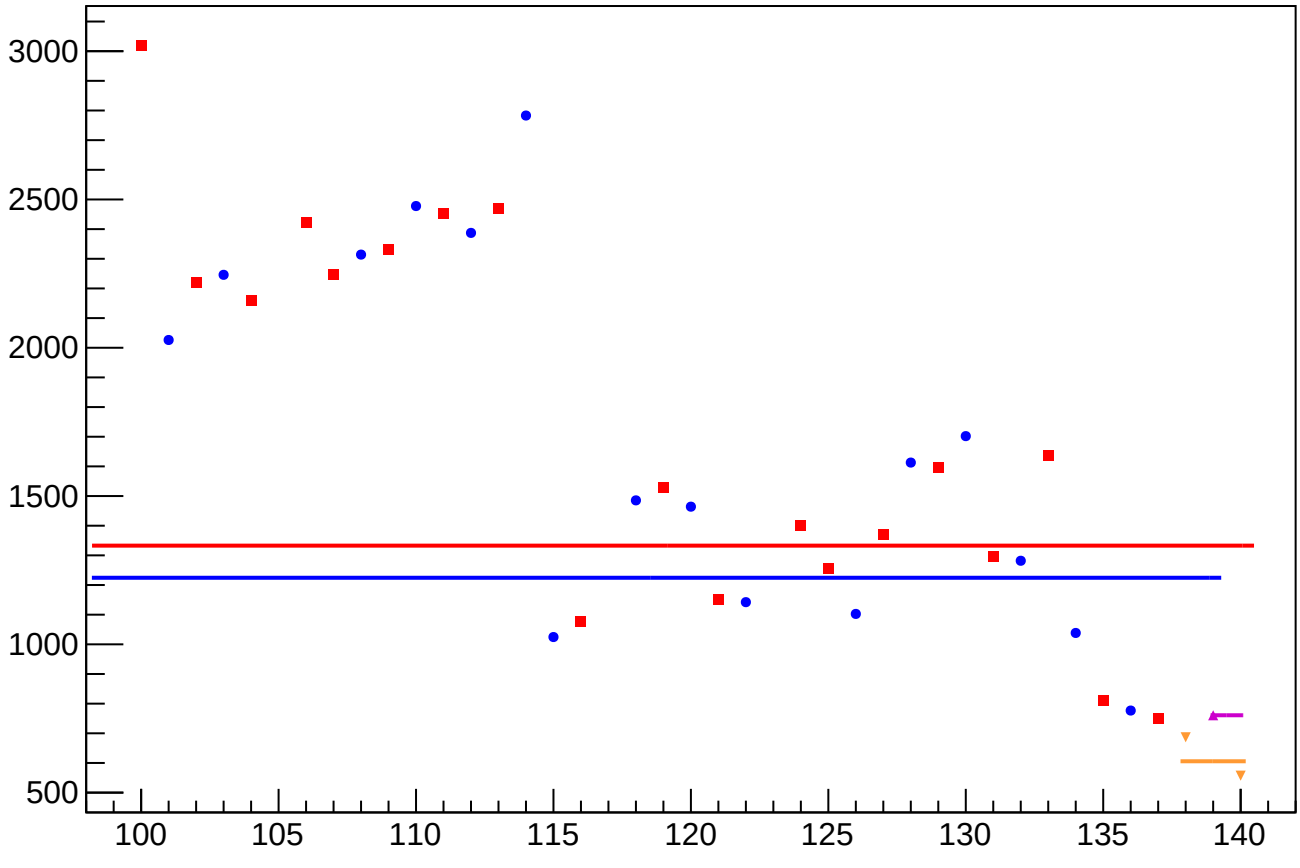
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 137.511+/-0.036 χ^2/NDF:1328970.6/16

Out: 136.417+/-0.034 χ^2/NDF:1722091.6/20

All: 136.932+/-0.025 χ^2/NDF: 3051552.2/37


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -471.594+/-481.479 χ²/NDF:4.0/1
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: 954.545+/-828.041 χ²/NDF:0.0/0
Left: -111.245+/-416.229 χ²/NDF: 6.3/2
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -636.398+/-422.578 χ²/NDF:21.0/16
Out: -62.305+/-354.486 χ²/NDF:19.9/20
All: -299.429+/-271.584 χ²/NDF: 41.9/37



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 605.702+/-0.340 χ^2/NDF:33870.4/1

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 760.838+/-0.586 χ^2/NDF:0.0/0

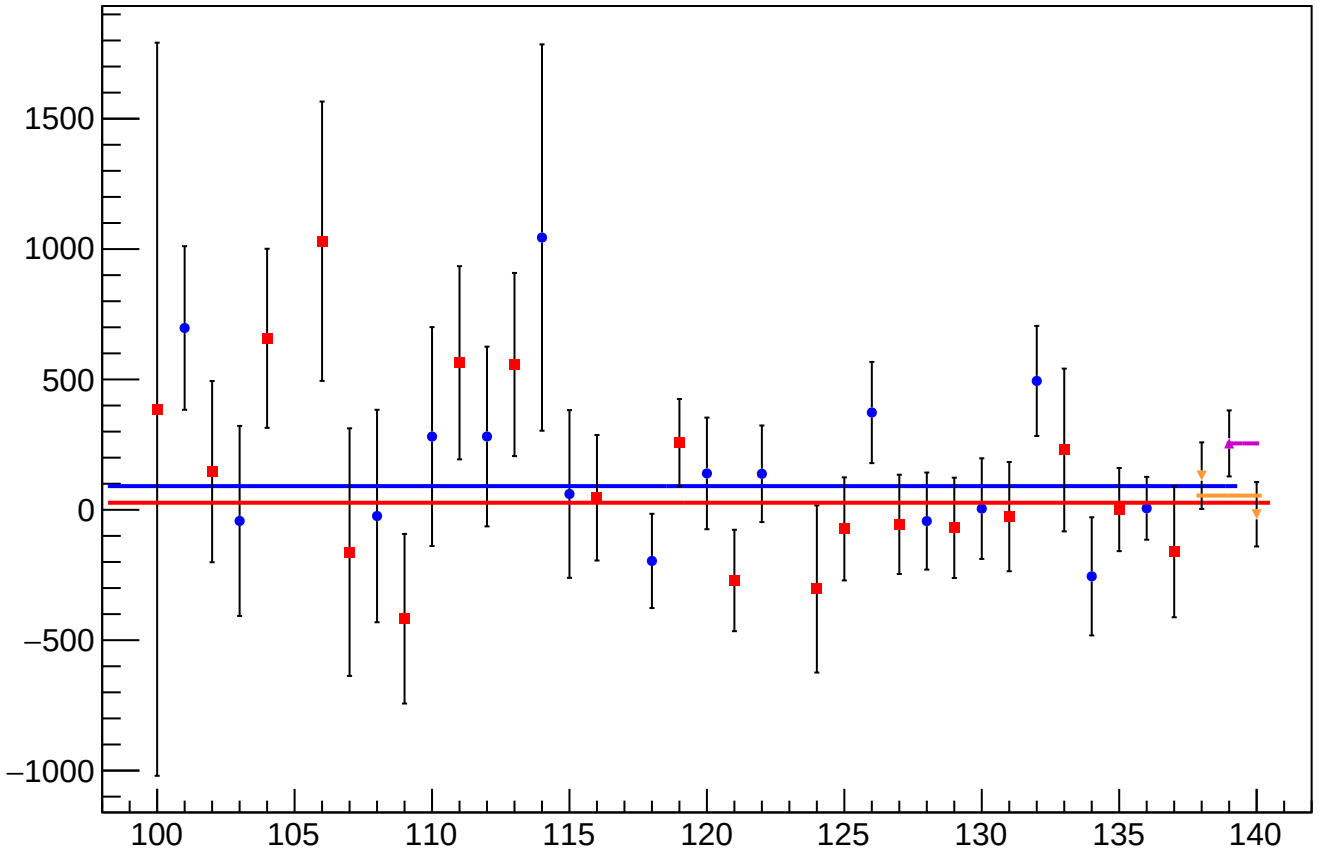
Left: 644.901+/-0.294 χ^2/NDF: 86334.5/2

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 1103.721+/-0.299 χ^2/NDF:2423072.5/16

Out: 938.664+/-0.251 χ^2/NDF:4117283.2/20

All: 1006.839+/-0.192 χ^2/NDF: 6719452.7/37



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 54.562+/-88.705 χ^2/NDF:0.7/1

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 254.686+/-126.606 χ^2/NDF:0.0/0

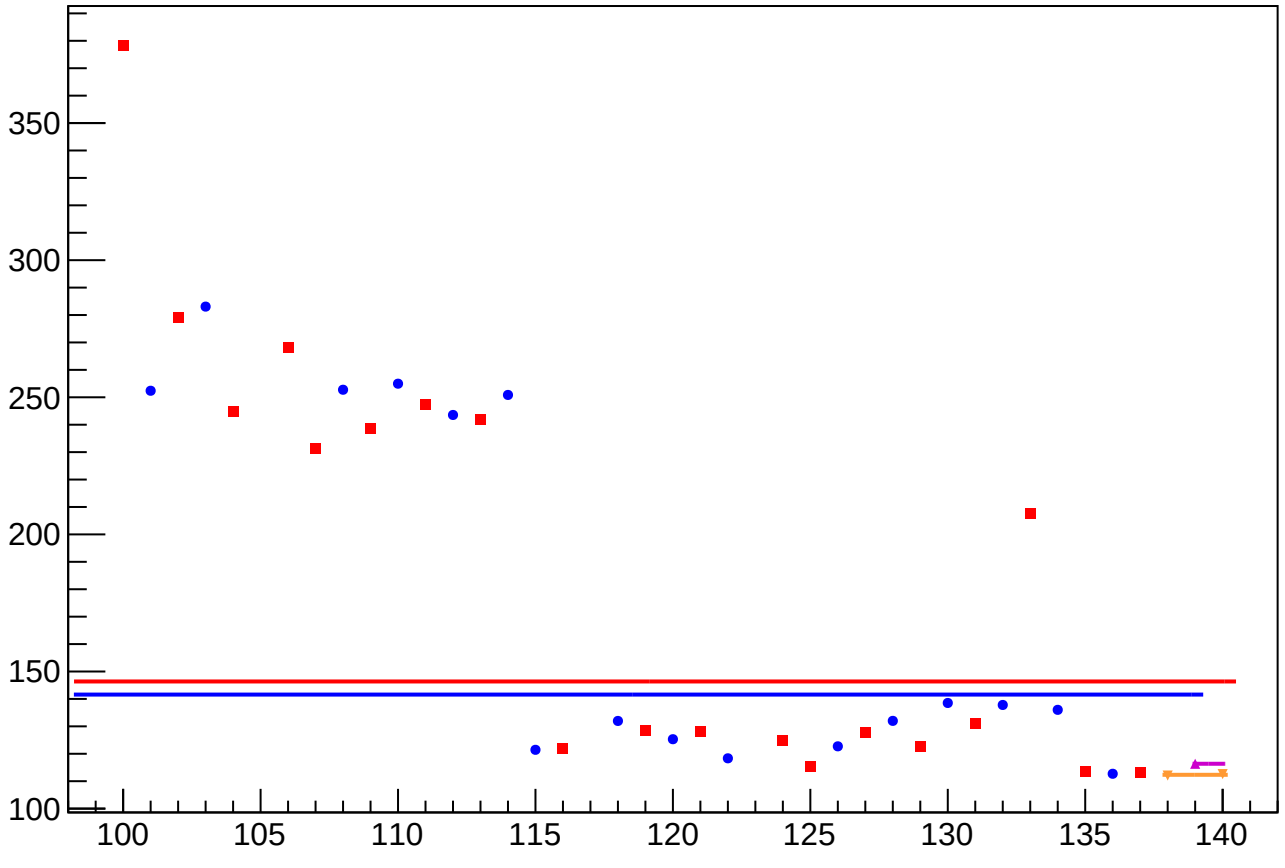
Left: 120.455+/-72.648 χ^2/NDF: 2.4/2

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 117.361+/-50.880 χ^2/NDF:19.5/16

Out: 35.178+/-47.962 χ^2/NDF:21.3/20

All: 73.846+/-34.900 χ^2/NDF: 42.2/37



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 112.328+/-0.063 χ^2/NDF:17.5/1

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 116.355+/-0.090 χ^2/NDF:0.0/0

Left: 113.654+/-0.051 χ^2/NDF: 1374.7/2

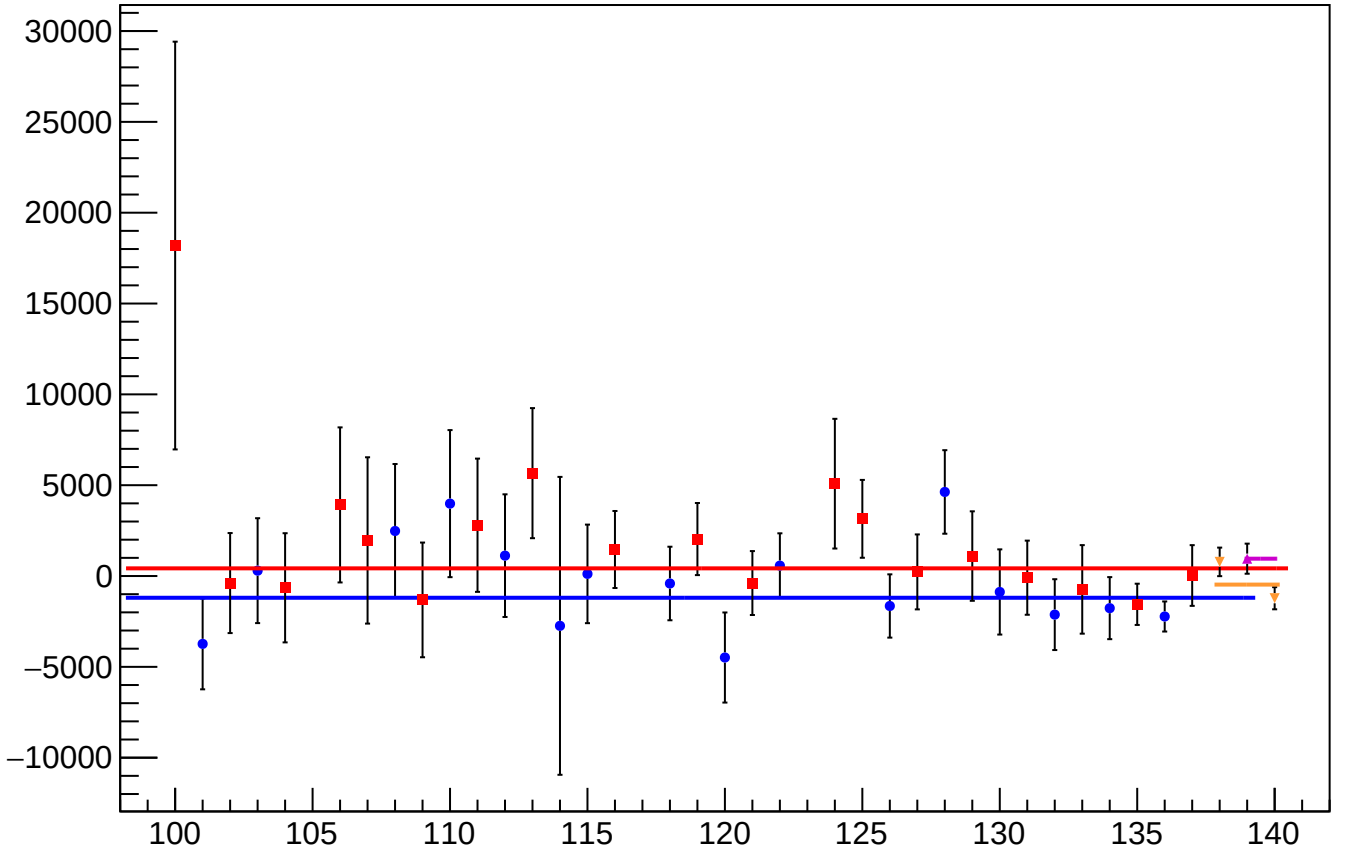
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 137.511+/-0.036 χ^2/NDF:1328949.0/16

Out: 136.417+/-0.034 χ^2/NDF:1722073.1/20

All: 136.931+/-0.025 χ^2/NDF: 3051511.9/37

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -471.591+/-481.478 χ^2/NDF:4.0/1

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 954.538+/-828.036 χ^2/NDF:0.0/0

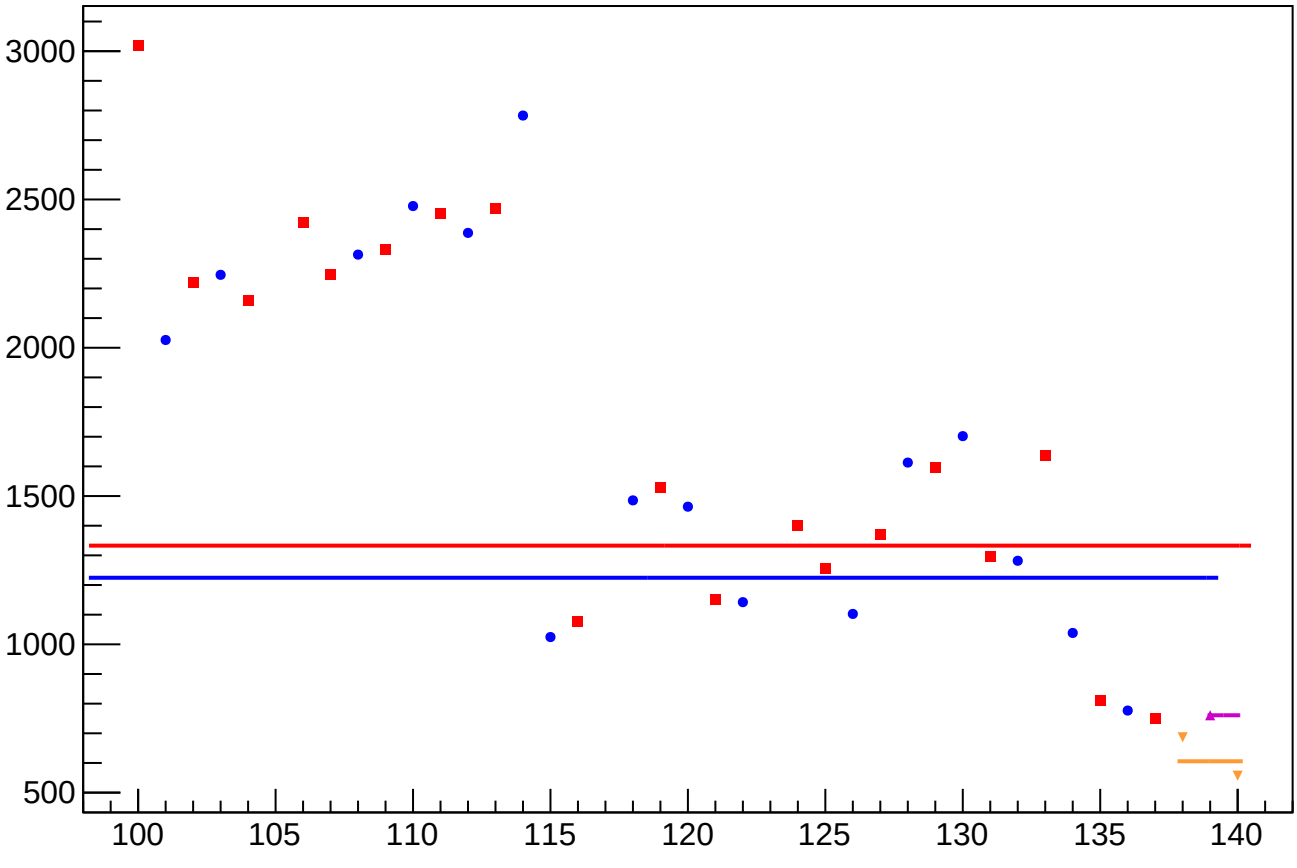
Left: -111.242+/-416.228 χ^2/NDF: 6.3/2

Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -636.393+/-422.577 χ^2/NDF:21.0/16

Out: -62.302+/-354.486 χ^2/NDF:19.9/20

All: -299.426+/-271.583 χ^2/NDF: 41.9/37



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 605.701+/-0.340 χ^2/NDF:33868.1/1

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 760.833+/-0.586 χ^2/NDF:0.0/0

Left: 644.899+/-0.294 χ^2/NDF: 86329.9/2

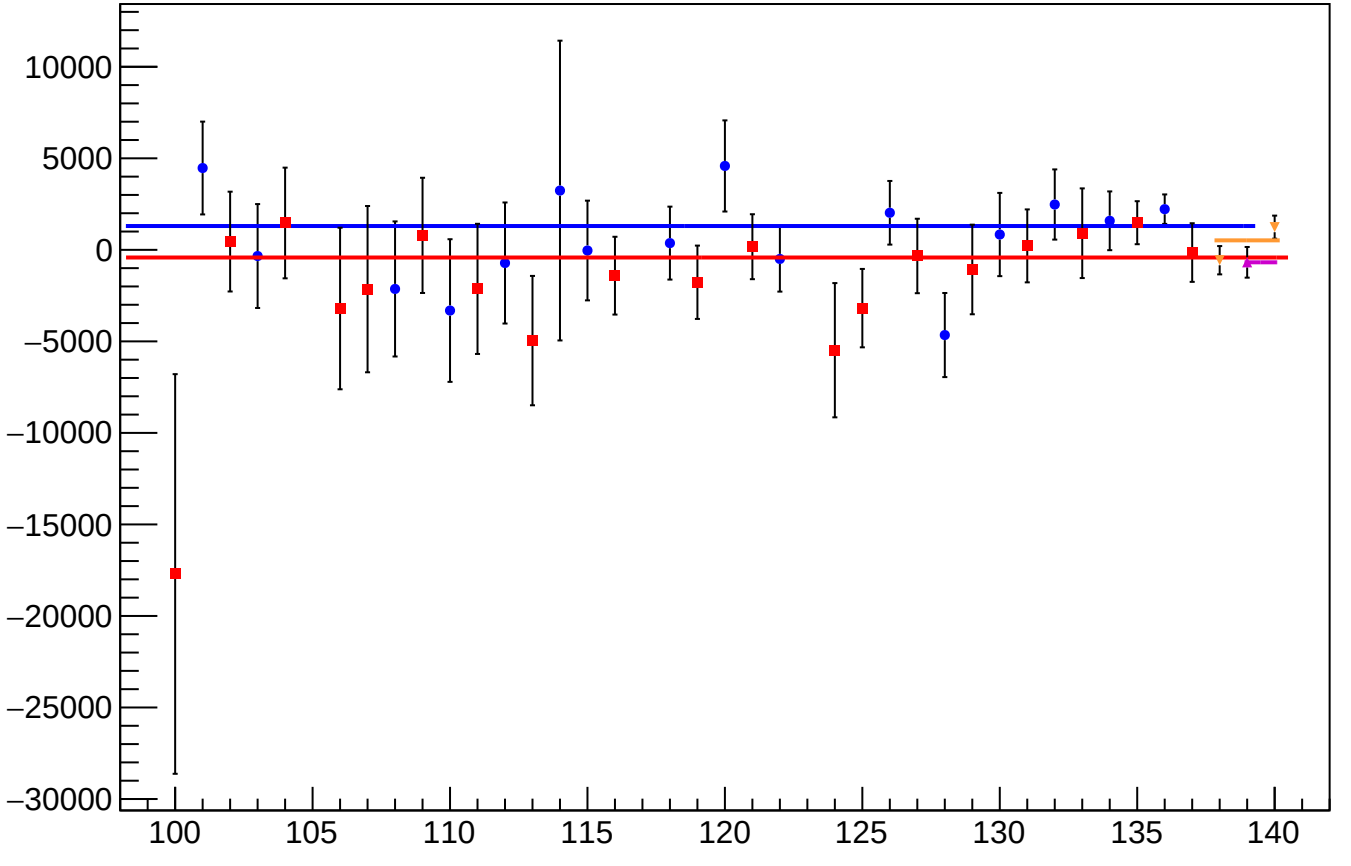
Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 1103.718+/-0.299 χ^2/NDF:2423063.7/16

Out: 938.664+/-0.251 χ^2/NDF:4117266.3/20

All: 1006.838+/-0.192 χ^2/NDF: 6719423.4/37

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 518.438+/-488.582 χ^2/NDF:3.3/1

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: -681.170+/-838.295 χ^2/NDF:0.0/0

Left: 214.268+/-422.120 χ^2/NDF: 4.8/2

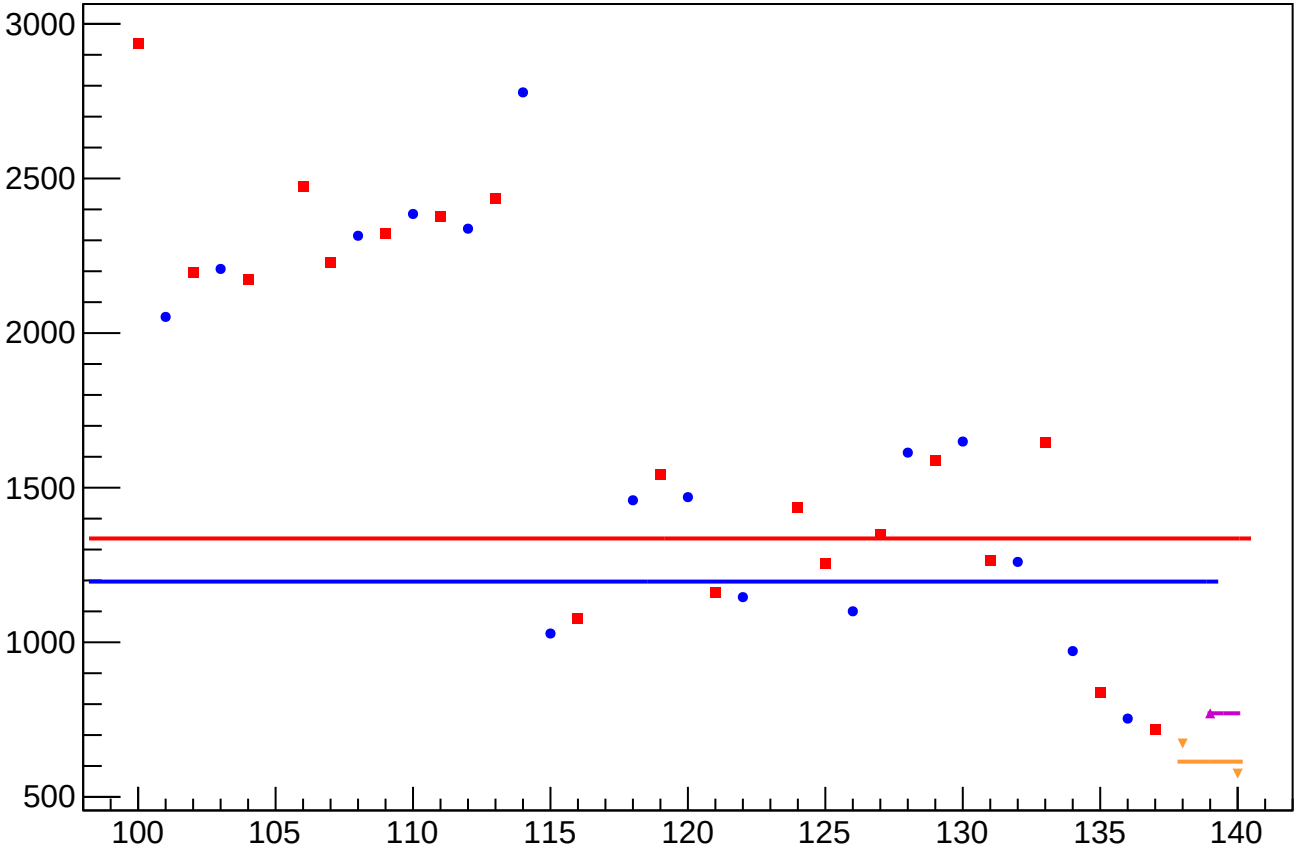
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 809.045+/-417.826 χ^2/NDF:20.7/16

Out: 83.260+/-357.508 χ^2/NDF:18.0/20

All: 390.030+/-271.642 χ^2/NDF: 40.4/37

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 614.033+/-0.345 χ^2/NDF:19031.3/1

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 770.448+/-0.593 χ^2/NDF:0.0/0

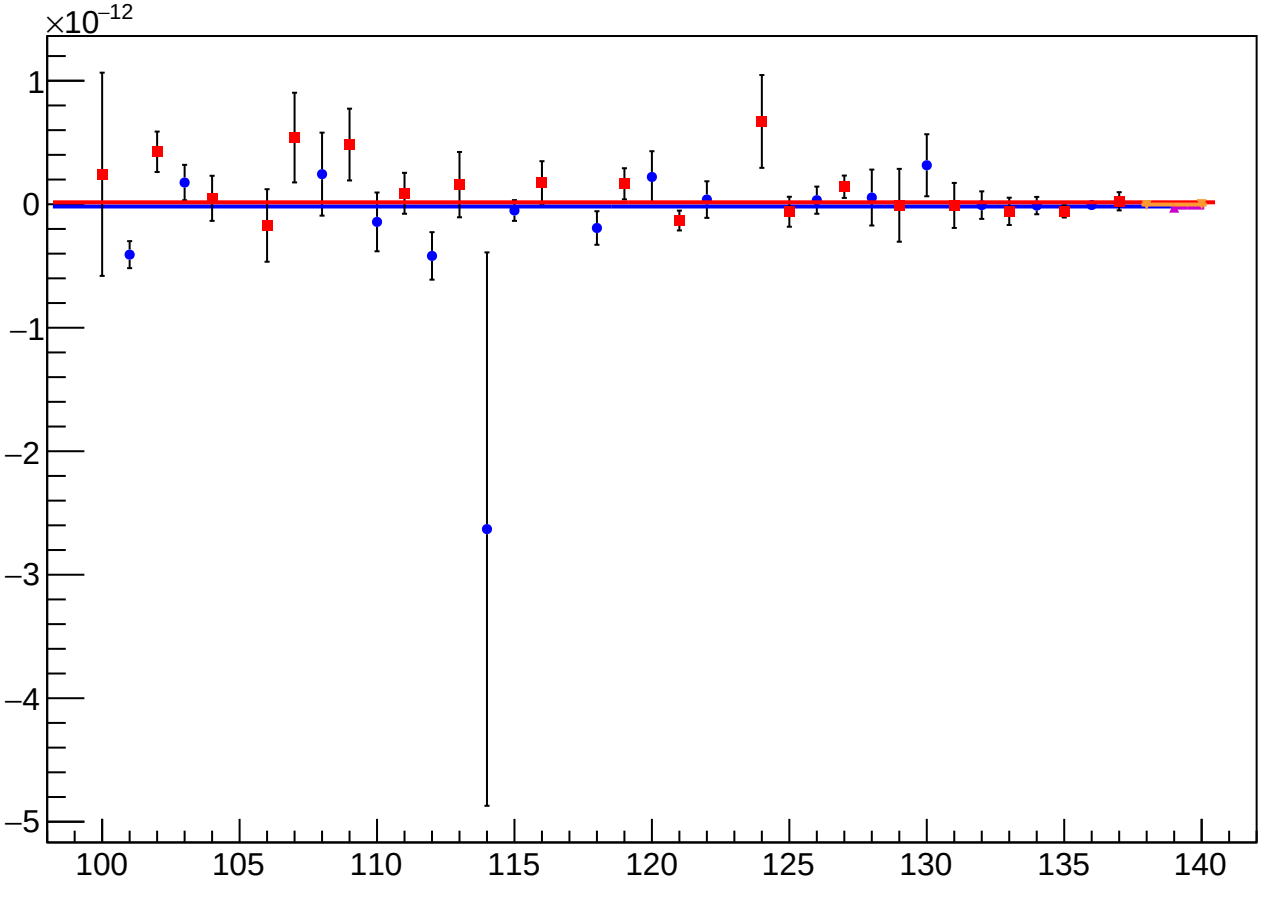
Left: 653.693+/-0.298 χ^2/NDF: 71005.8/2

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 1090.547+/-0.295 χ^2/NDF:2419710.5/16

Out: 949.353+/-0.253 χ^2/NDF:3998263.1/20

All: 1009.032+/-0.192 χ^2/NDF: 6549828.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

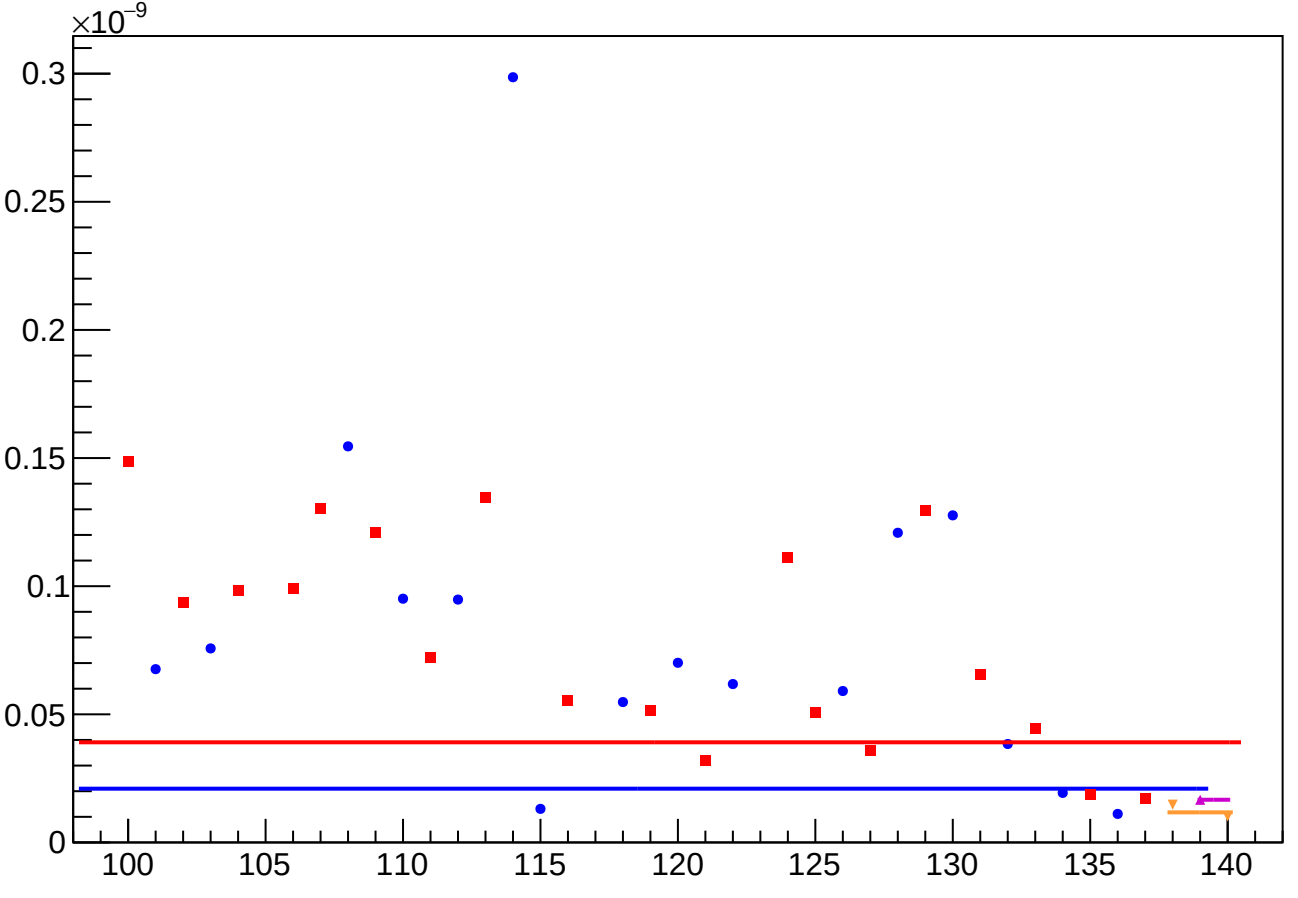
Left: -0.000+/-0.000 χ^2/NDF: 0.8/2

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:26.9/16

Out: 0.000+/-0.000 χ^2/NDF:26.0/20

All: -0.000+/-0.000 χ^2/NDF: 54.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:44624.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

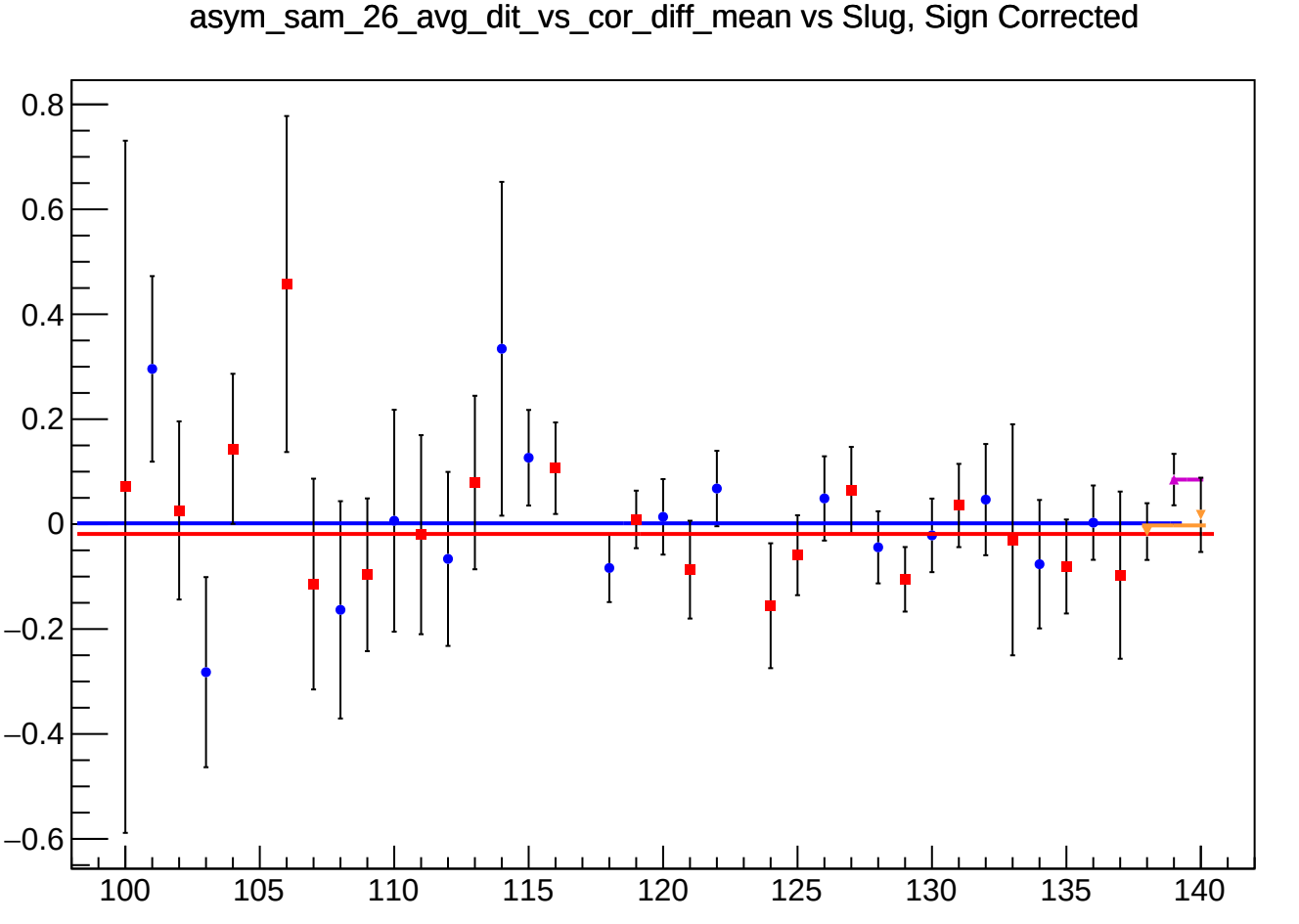
Left: 0.000+/-0.000 χ^2/NDF: 98241.0/2

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:3418318.9/16

Out: 0.000+/-0.000 χ^2/NDF:3646439.7/20

All: 0.000+/-0.000 χ^2/NDF: 7081404.3/37



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.002+/-0.043 χ^2/NDF:0.1/1

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.085+/-0.049 χ^2/NDF:0.0/0

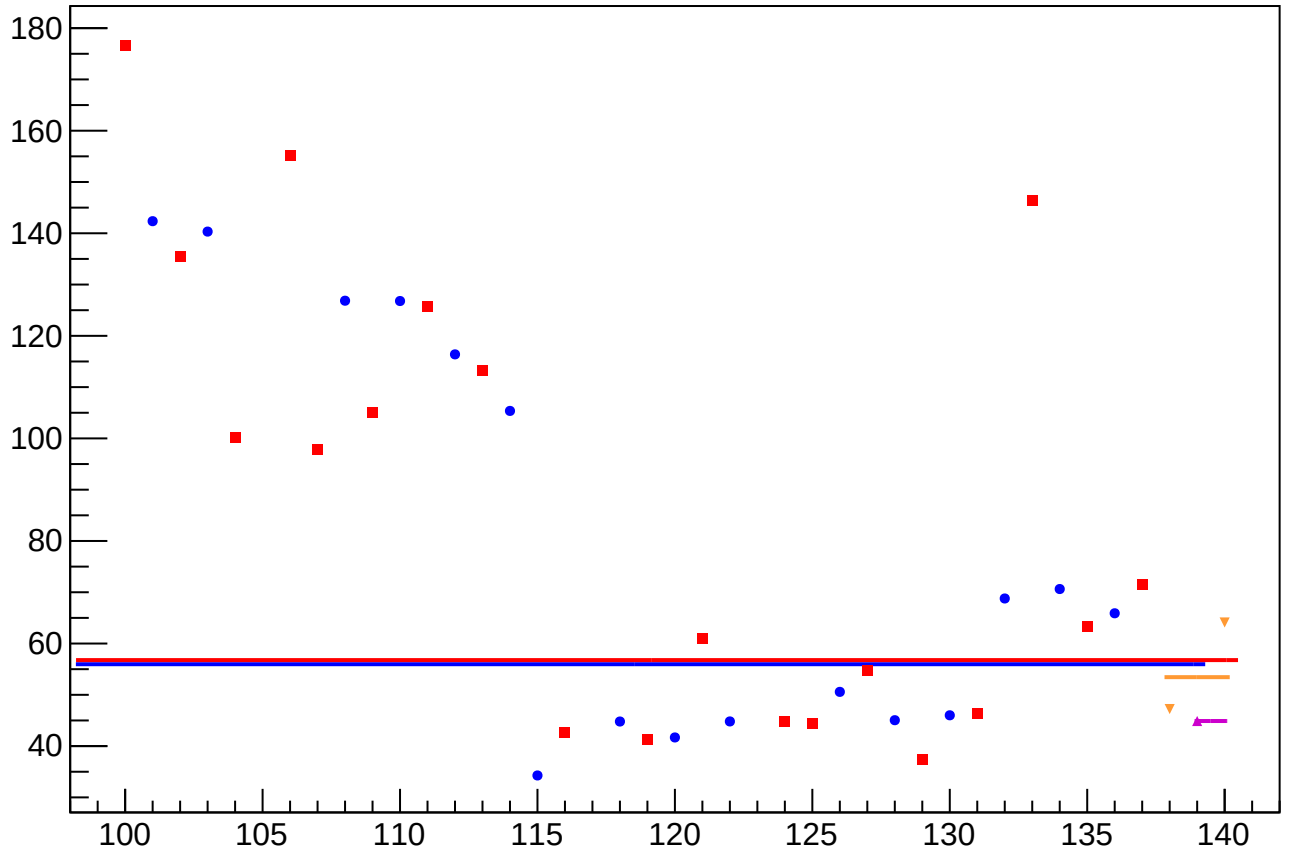
Left: 0.035+/-0.032 χ^2/NDF: 1.9/2

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.017+/-0.021 χ^2/NDF:15.4/16

Out: -0.015+/-0.021 χ^2/NDF:13.3/20

All: 0.001+/-0.015 χ^2/NDF: 29.9/37



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.444+/-0.030 χ^2/NDF:71786.2/1

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 44.892+/-0.035 χ^2/NDF:0.0/0

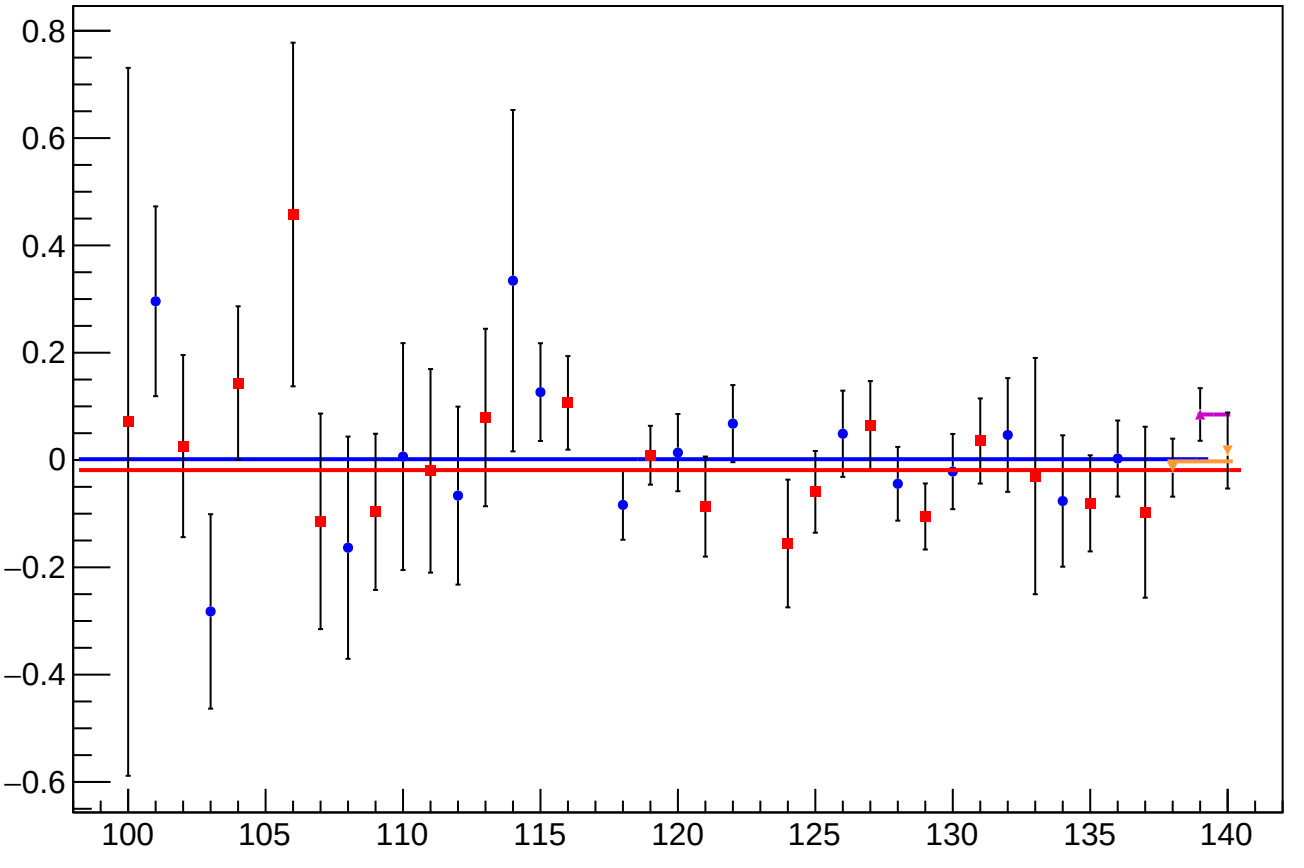
Left: 49.728+/-0.023 χ^2/NDF: 106196.2/2

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 53.911+/-0.015 χ^2/NDF:2262949.7/16

Out: 56.004+/-0.015 χ^2/NDF:2634233.0/20

All: 54.982+/-0.010 χ^2/NDF: 4907229.1/37



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.002+/-0.043 χ^2/NDF:0.1/1

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.085+/-0.049 χ^2/NDF:0.0/0

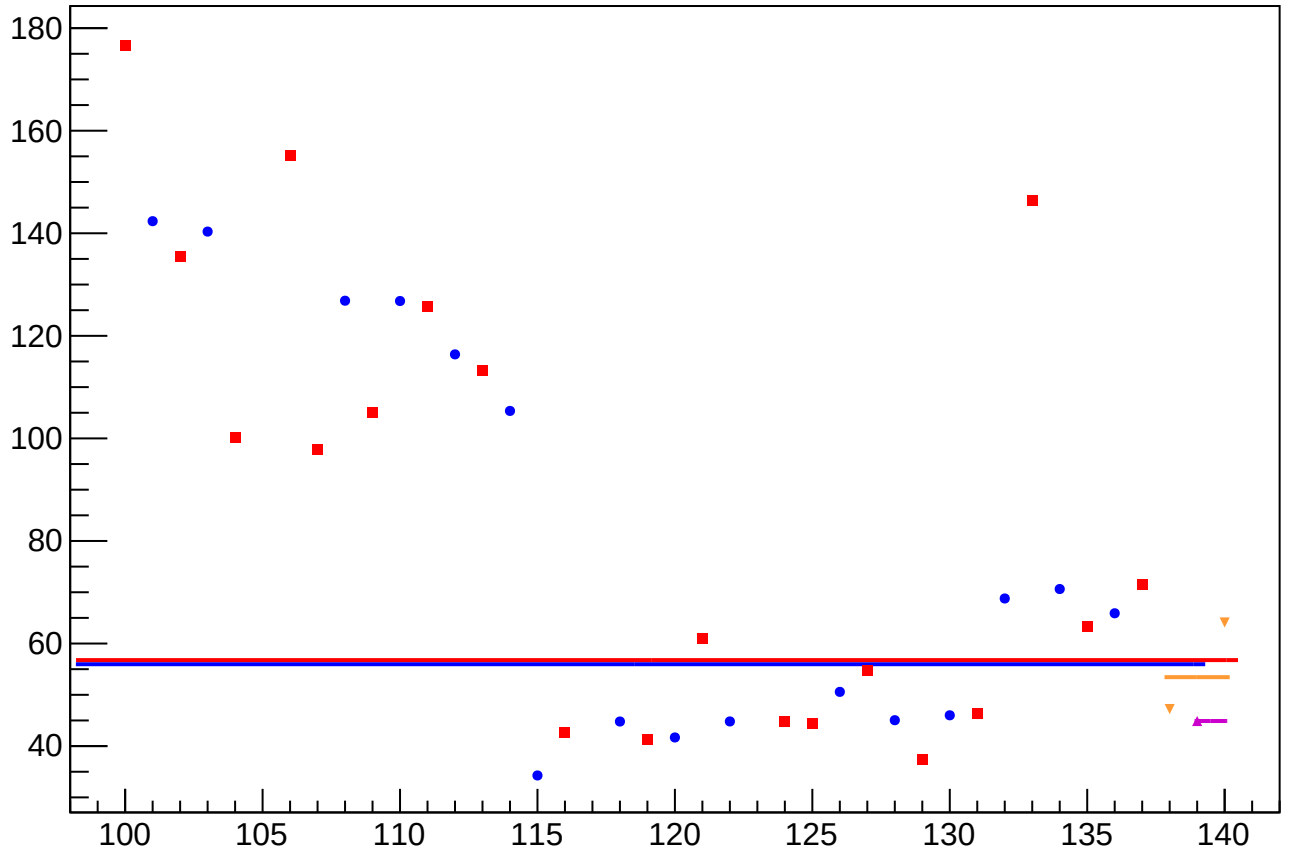
Left: 0.035+/-0.032 χ^2/NDF: 1.9/2

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.017+/-0.021 χ^2/NDF:15.4/16

Out: -0.015+/-0.021 χ^2/NDF:13.3/20

All: 0.001+/-0.015 χ^2/NDF: 29.9/37



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.444+/-0.030 χ^2/NDF:71786.2/1

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 44.892+/-0.035 χ^2/NDF:0.0/0

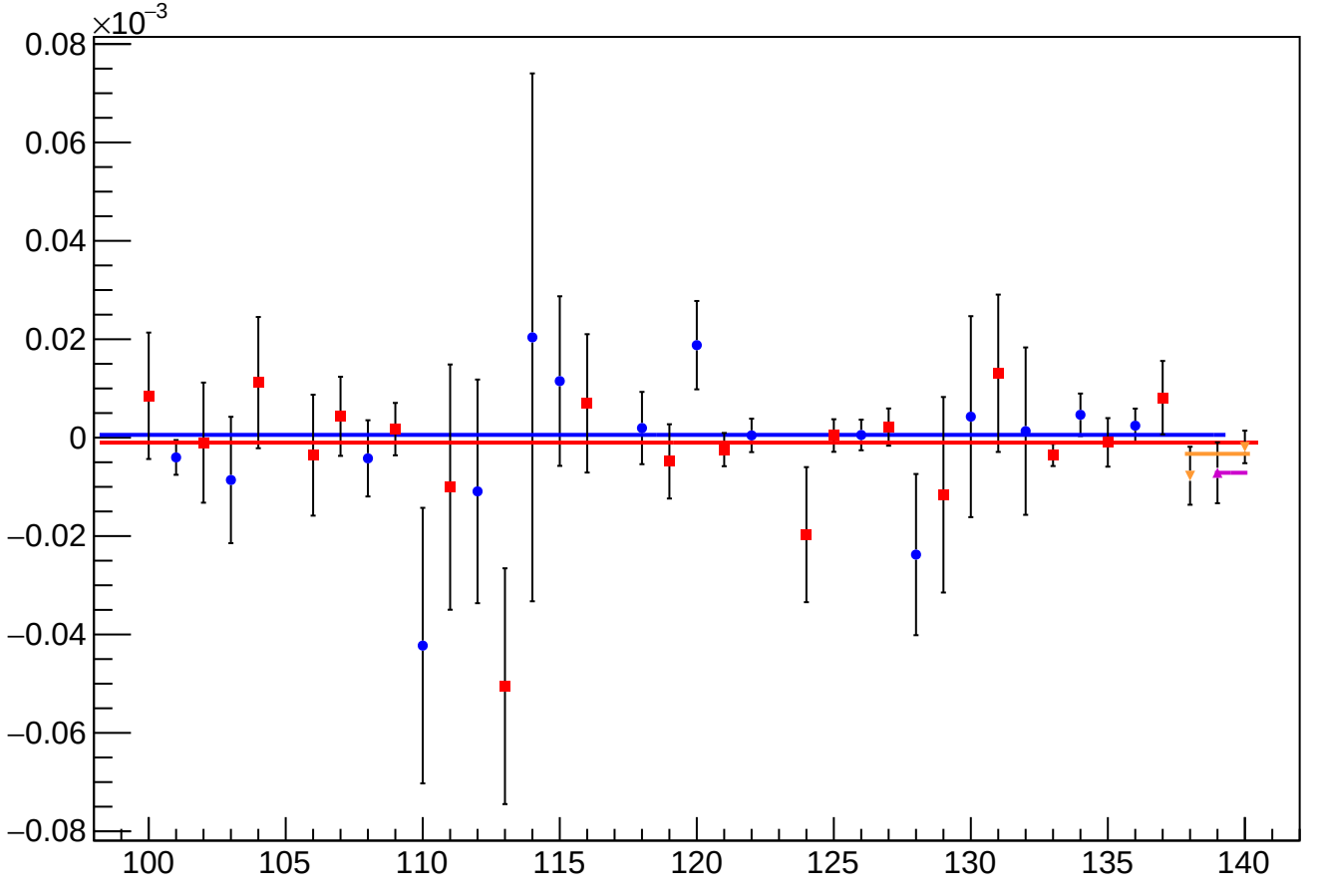
Left: 49.728+/-0.023 χ^2/NDF: 106196.2/2

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 53.911+/-0.015 χ^2/NDF:2262949.7/16

Out: 56.004+/-0.015 χ^2/NDF:2634233.0/20

All: 54.982+/-0.010 χ^2/NDF: 4907229.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

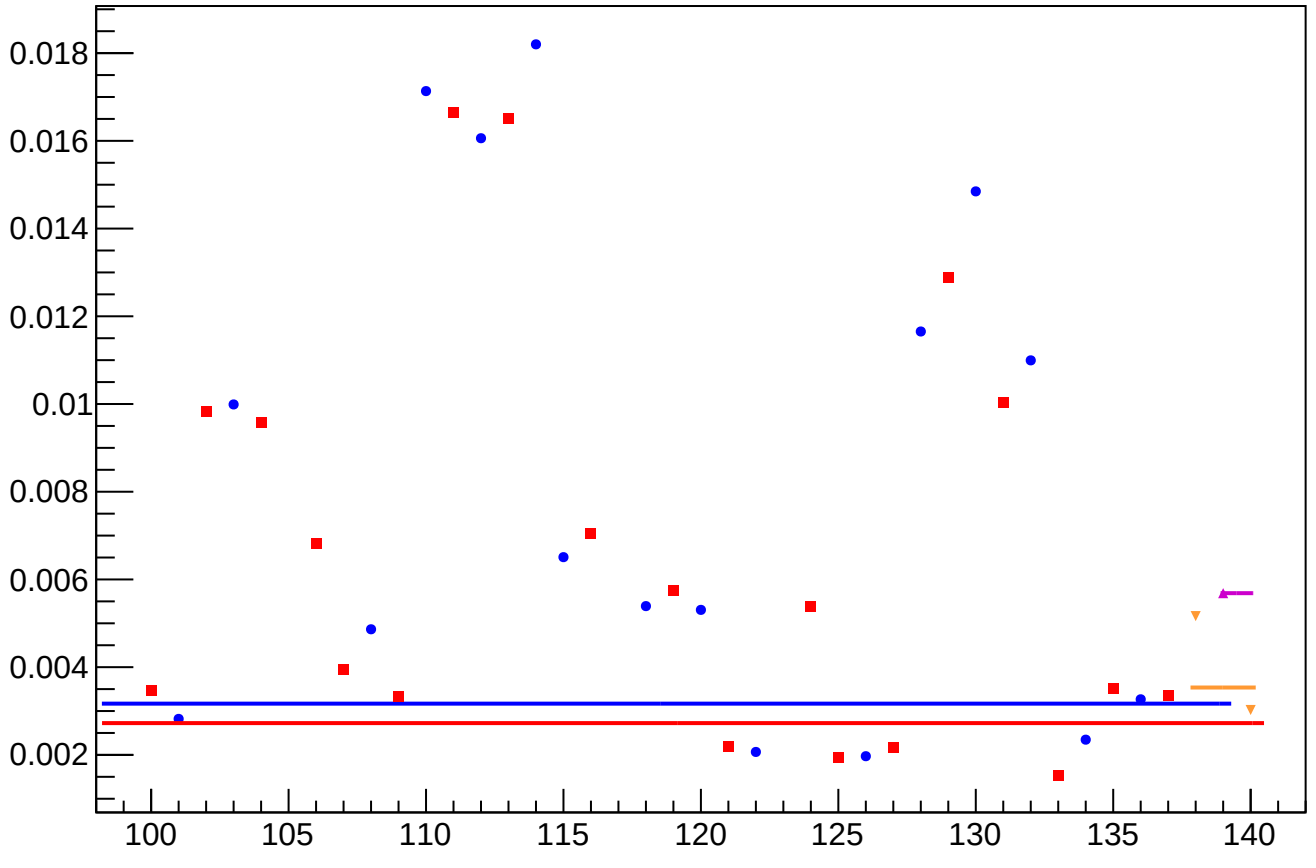
Left: -0.000+/-0.000 χ^2/NDF: 1.1/2

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:14.8/16

Out: -0.000+/-0.000 χ^2/NDF:15.1/20

All: -0.000+/-0.000 χ^2/NDF: 30.6/37



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:200716.1/1

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.006+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 399543.4/2

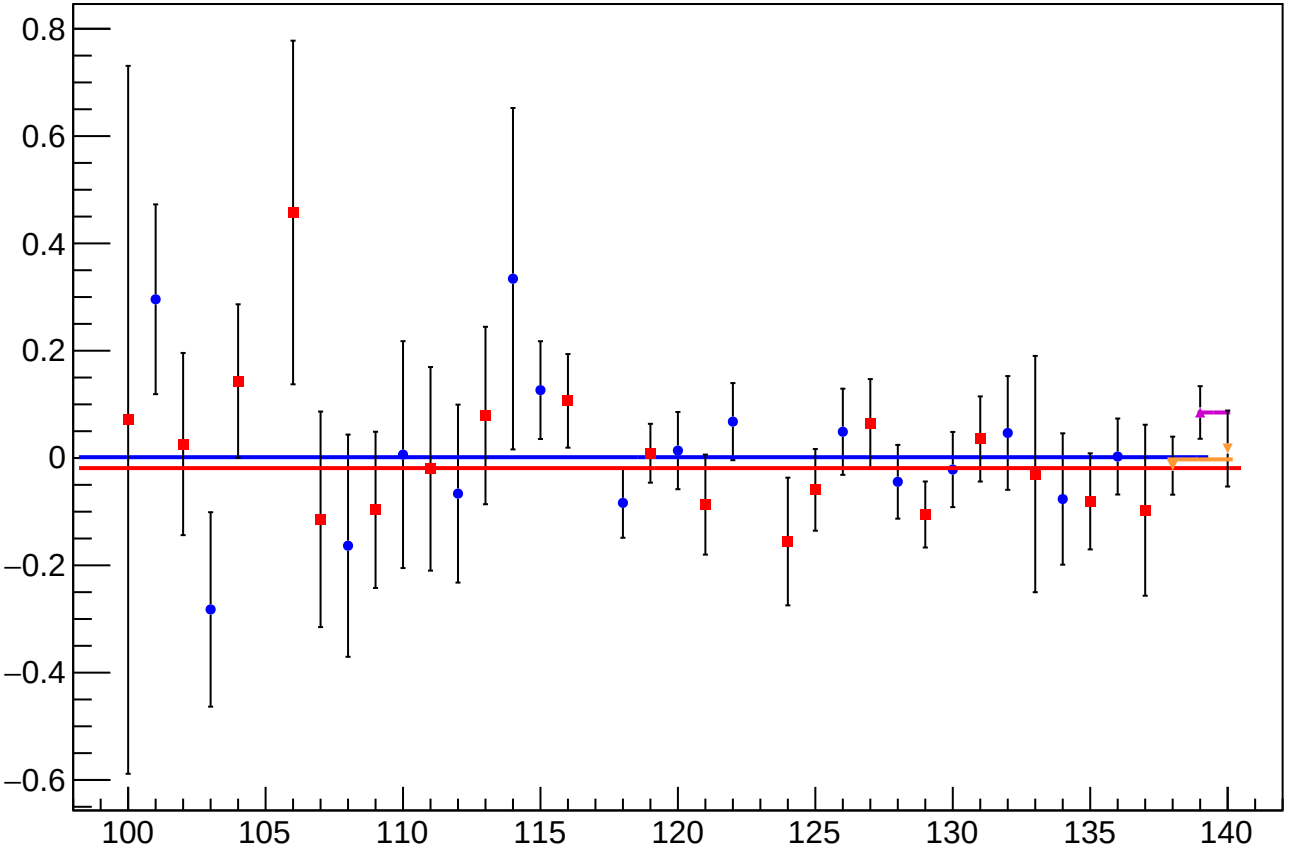
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:4860242.3/16

Out: 0.003+/-0.000 χ^2/NDF:5486431.6/20

All: 0.003+/-0.000 χ^2/NDF: 10463521.0/37

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.002+/-0.043 χ^2/NDF:0.1/1

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.085+/-0.049 χ^2/NDF:0.0/0

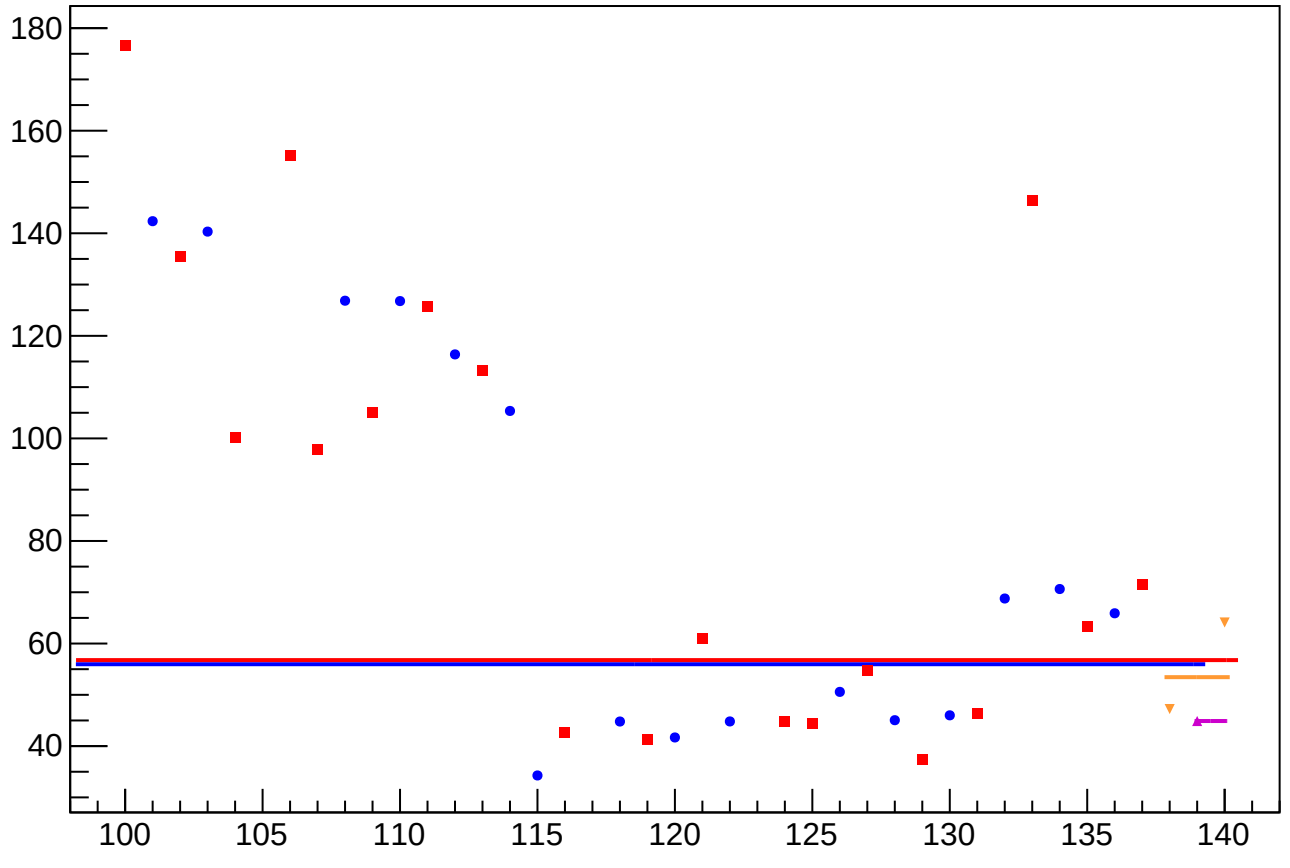
Left: 0.035+/-0.032 χ^2/NDF: 1.9/2

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.017+/-0.021 χ^2/NDF:15.4/16

Out: -0.015+/-0.021 χ^2/NDF:13.3/20

All: 0.001+/-0.015 χ^2/NDF: 29.9/37



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.443+/-0.030 χ^2/NDF:71794.7/1

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 44.892+/-0.035 χ^2/NDF:0.0/0

Left: 49.728+/-0.023 χ^2/NDF: 106201.1/2

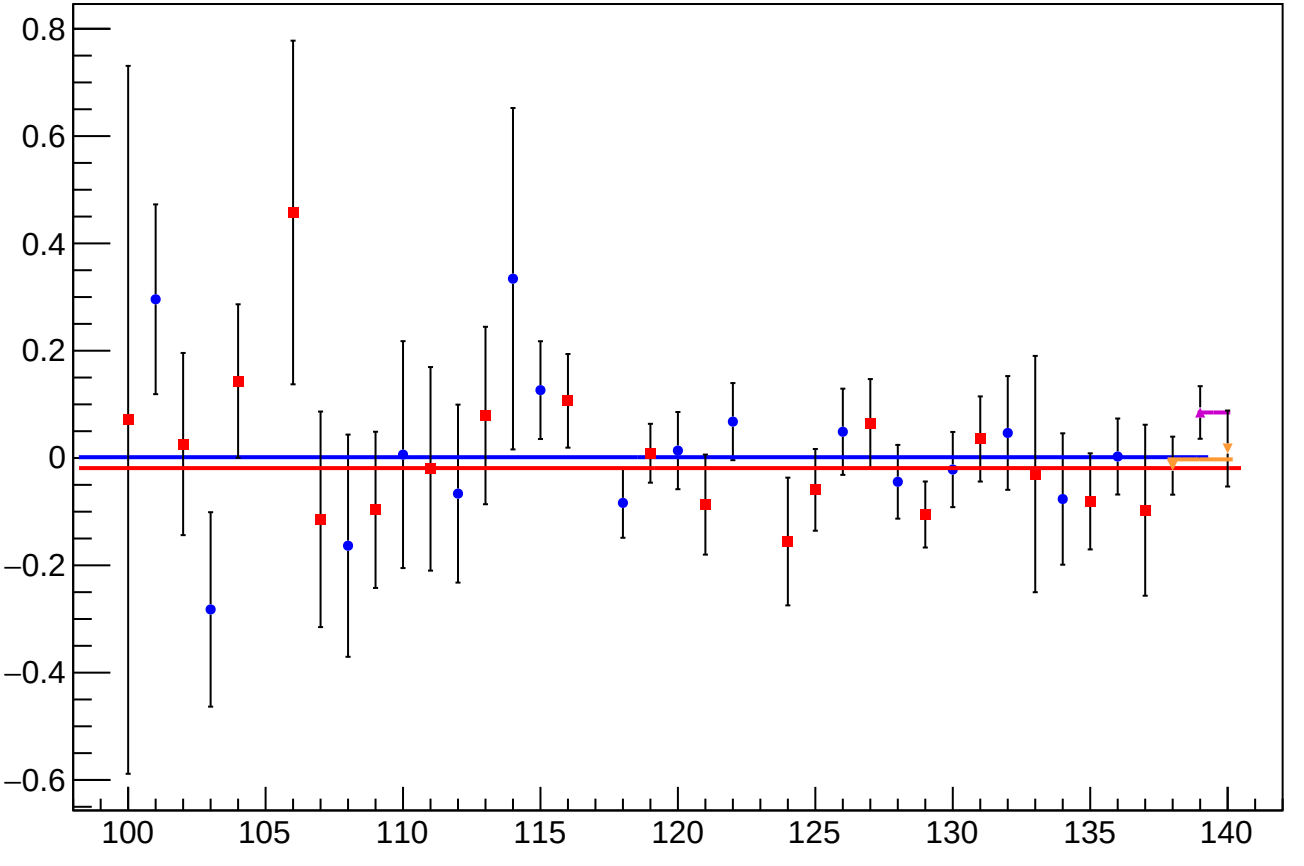
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 53.911+/-0.015 χ^2/NDF:2262867.9/16

Out: 56.003+/-0.015 χ^2/NDF:2634184.0/20

All: 54.982+/-0.010 χ^2/NDF: 4907095.7/37

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.002+/-0.043 χ^2/NDF:0.1/1

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.085+/-0.049 χ^2/NDF:0.0/0

Left: 0.035+/-0.032 χ^2/NDF: 1.9/2

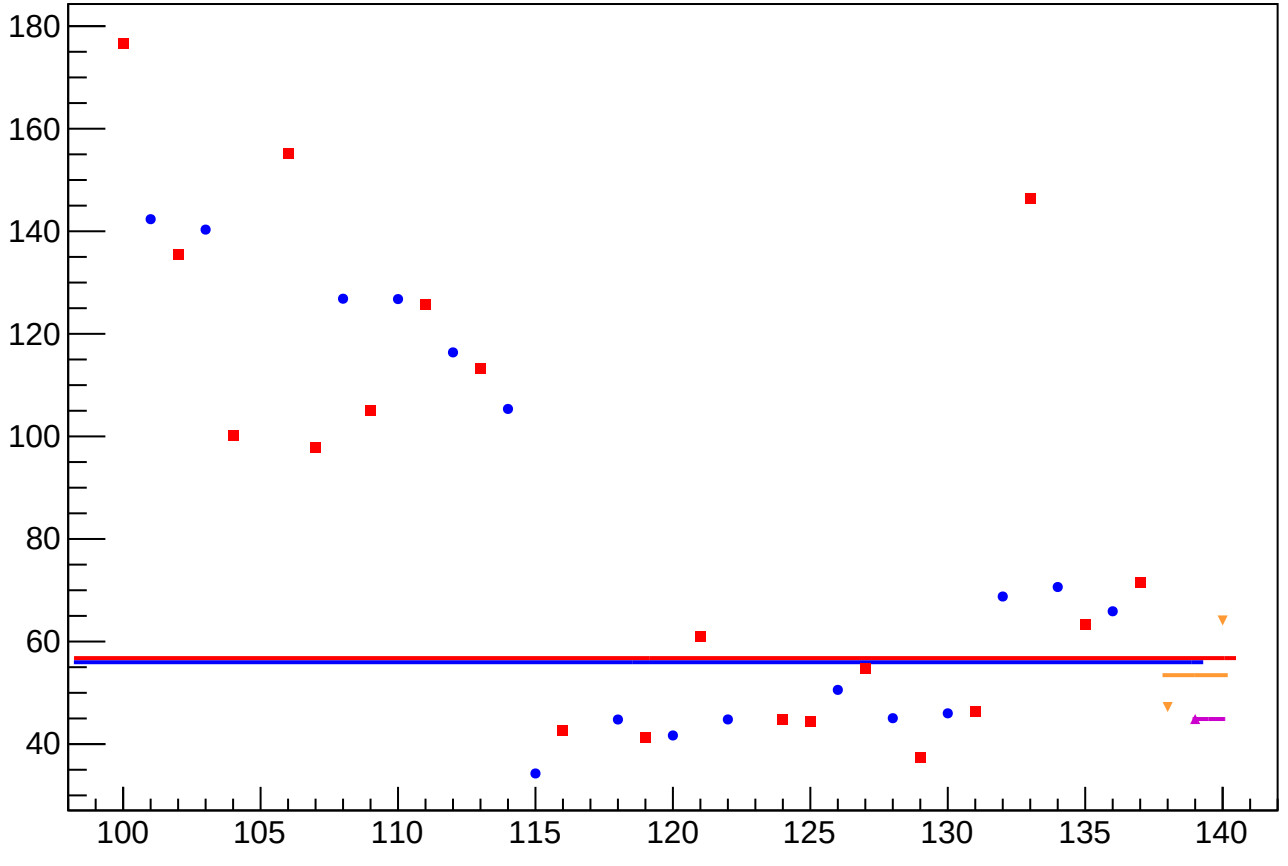
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.017+/-0.021 χ^2/NDF:15.4/16

Out: -0.015+/-0.021 χ^2/NDF:13.3/20

All: 0.001+/-0.015 χ^2/NDF: 29.9/37

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.443+/-0.030 χ^2/NDF:71794.7/1

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 44.892+/-0.035 χ^2/NDF:0.0/0

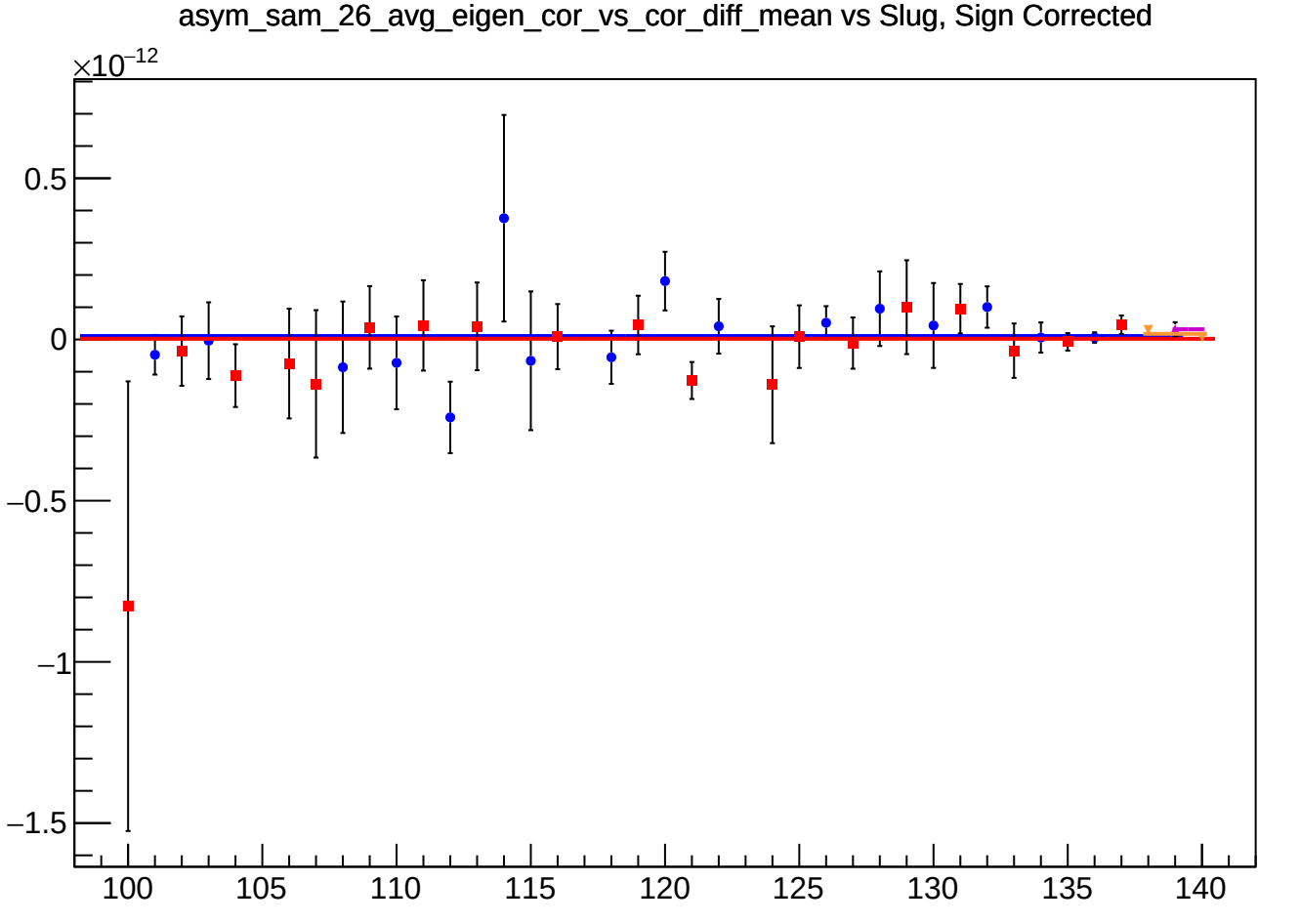
Left: 49.728+/-0.023 χ^2/NDF: 106201.1/2

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 53.911+/-0.015 χ^2/NDF:2262867.9/16

Out: 56.003+/-0.015 χ^2/NDF:2634184.0/20

All: 54.982+/-0.010 χ^2/NDF: 4907095.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

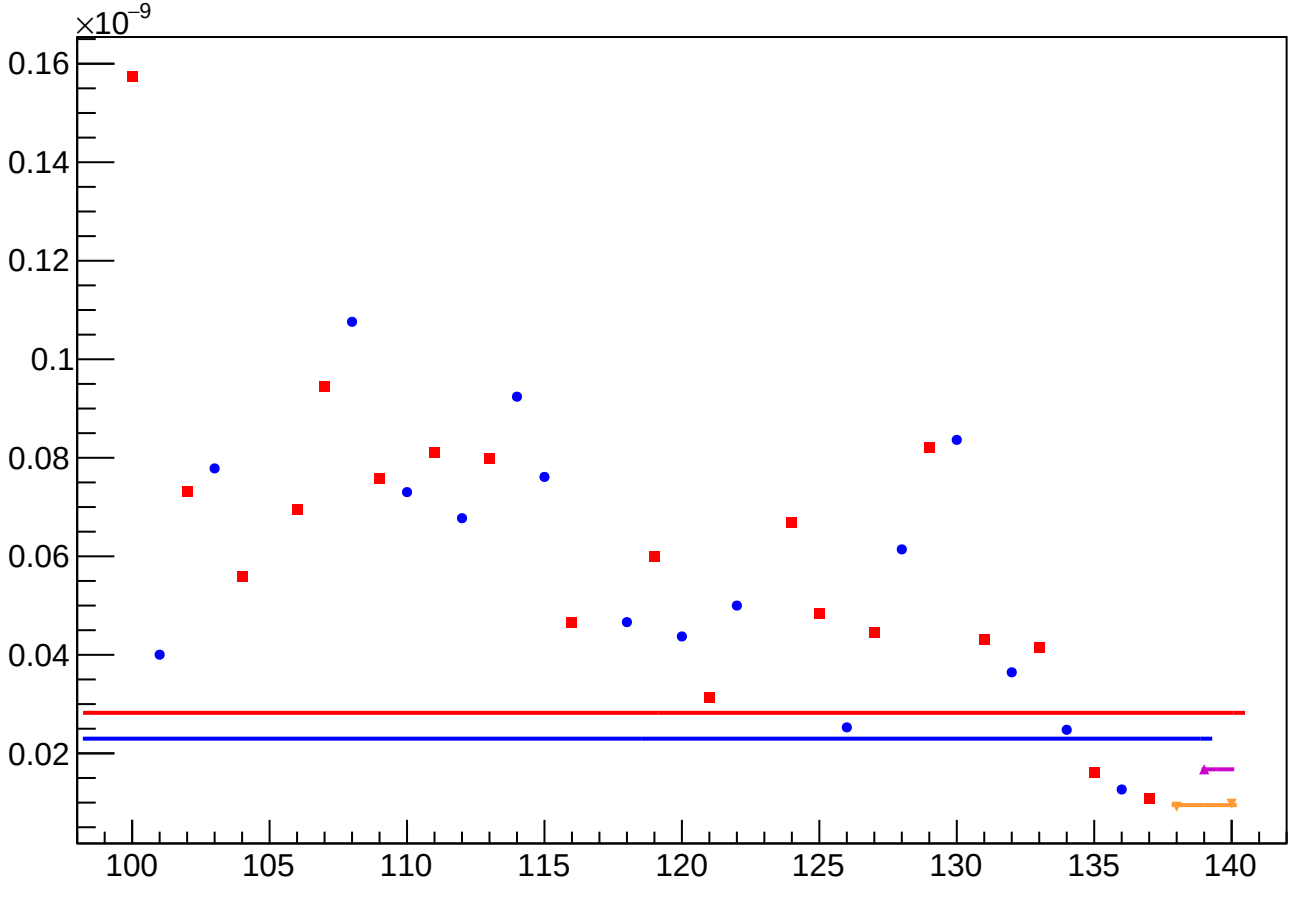
Left: 0.000+/-0.000 χ^2/NDF: 1.9/2

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:16.3/16

Out: 0.000+/-0.000 χ^2/NDF:16.5/20

All: 0.000+/-0.000 χ^2/NDF: 32.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2314.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

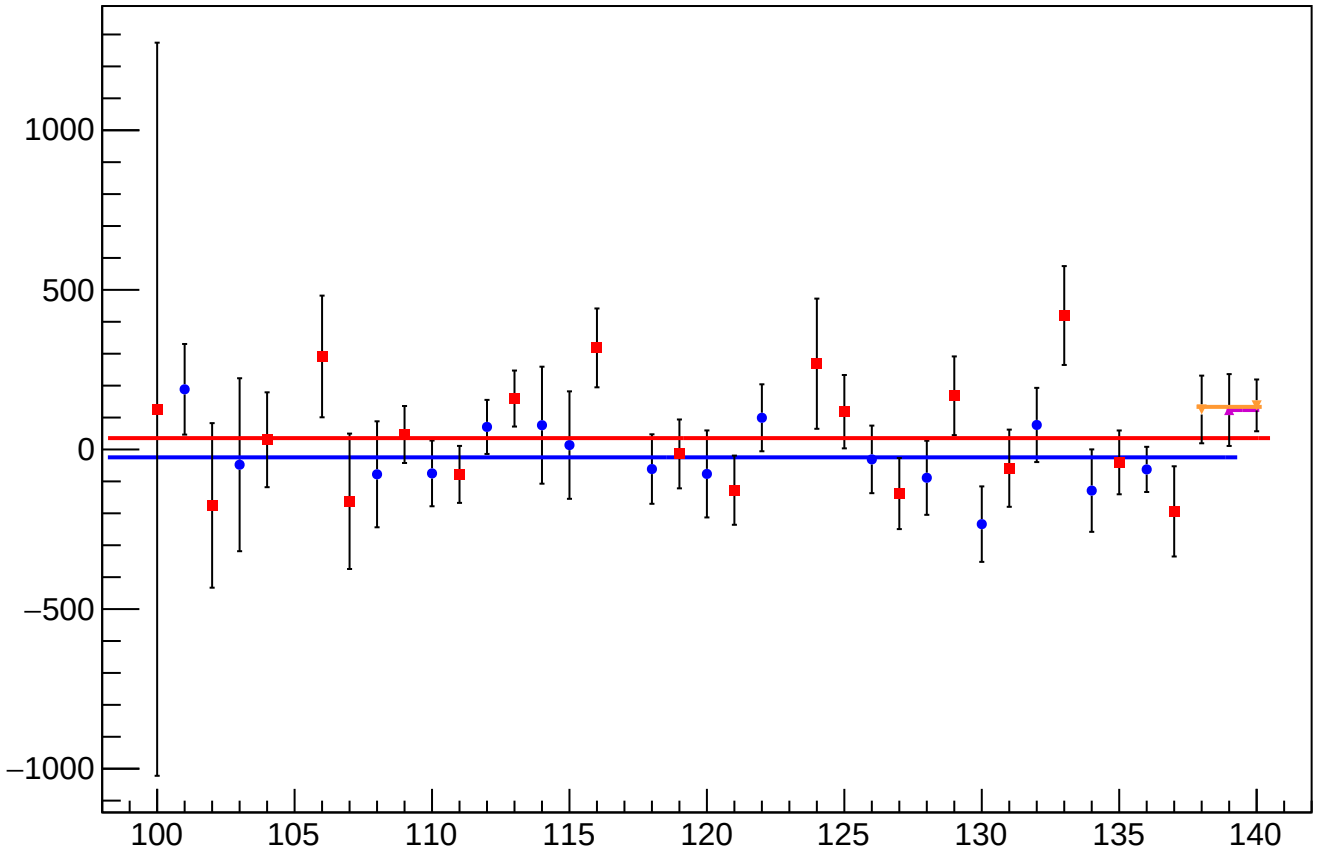
Left: 0.000+/-0.000 χ^2/NDF: 191222.3/2

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:3851434.0/16

Out: 0.000+/-0.000 χ^2/NDF:6025791.9/20

All: 0.000+/-0.000 χ^2/NDF: 10453362.1/37



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 133.436+/-64.409 χ^2/NDF:0.0/1

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 123.547+/-112.527 χ^2/NDF:0.0/0

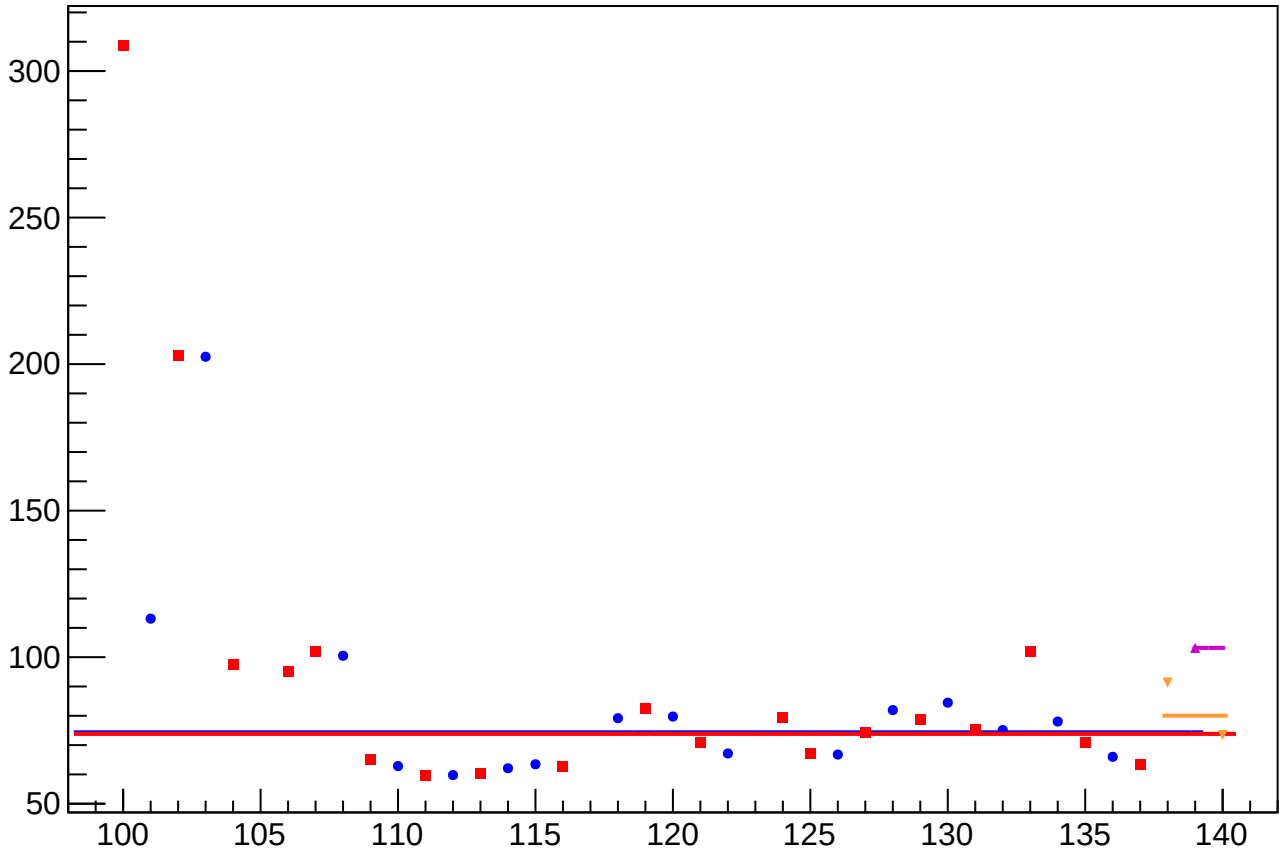
Left: 130.996+/-55.899 χ^2/NDF: 0.0/2

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: -15.455+/-28.003 χ^2/NDF:12.6/16

Out: 51.561+/-26.028 χ^2/NDF:32.0/20

All: 20.500+/-19.064 χ^2/NDF: 47.7/37



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 80.044+/-0.046 χ^2/NDF:35935.8/1

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 103.170+/-0.080 χ^2/NDF:0.0/0

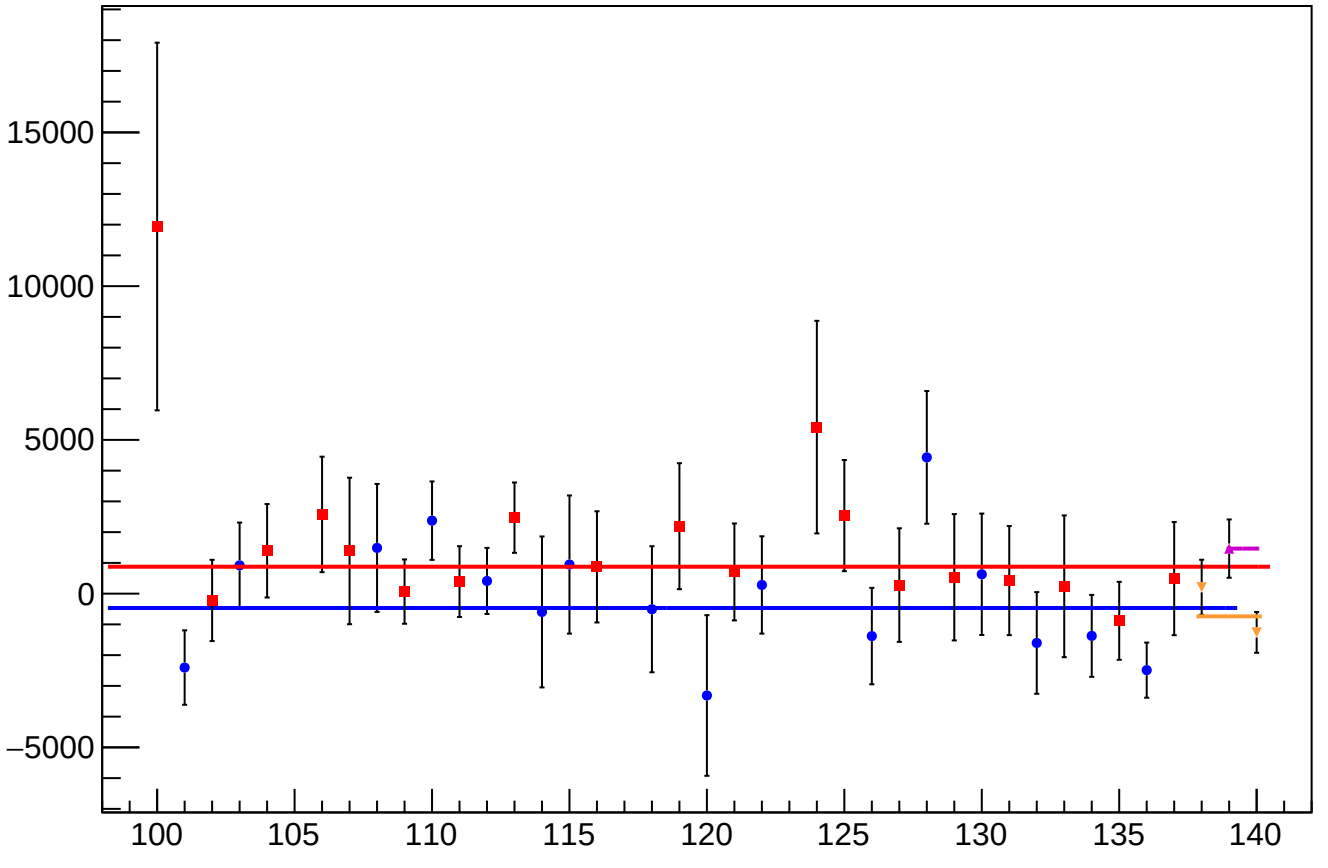
Left: 85.751+/-0.040 χ^2/NDF: 99565.5/2

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 76.153+/-0.020 χ^2/NDF:950491.6/16

Out: 74.832+/-0.018 χ^2/NDF:983536.1/20

All: 75.444+/-0.013 χ^2/NDF: 1936413.8/37



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -739.355+/-533.117 χ^2/NDF:1.7/1

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 1464.868+/-947.862 χ^2/NDF:0.0/0

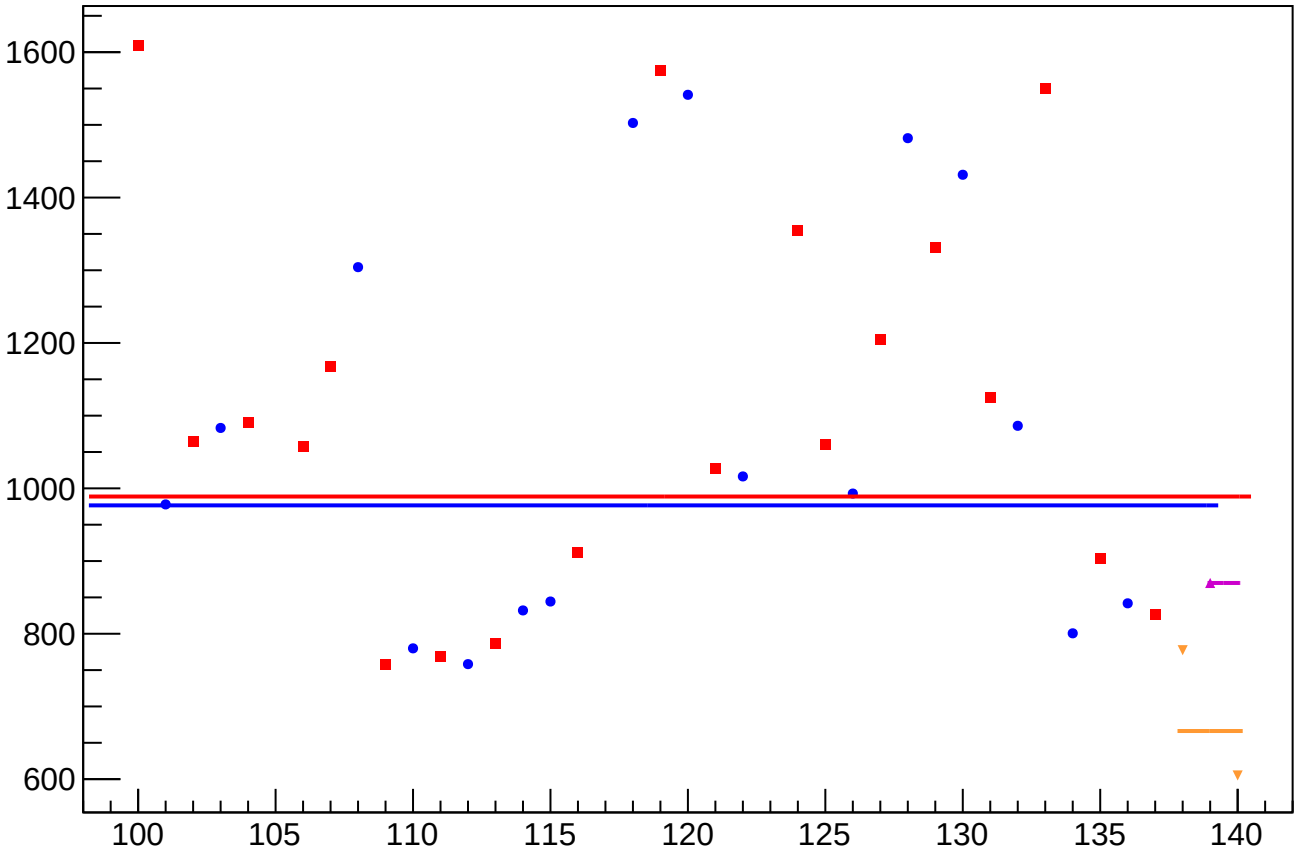
Left: -209.641+/-464.663 χ^2/NDF: 5.8/2

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -205.097+/-348.726 χ^2/NDF:27.3/16

Out: 346.142+/-305.203 χ^2/NDF:21.0/20

All: 107.049+/-229.667 χ^2/NDF: 49.7/37



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 666.210+/-0.377 χ^2/NDF:47817.8/1

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 869.853+/-0.670 χ^2/NDF:0.0/0

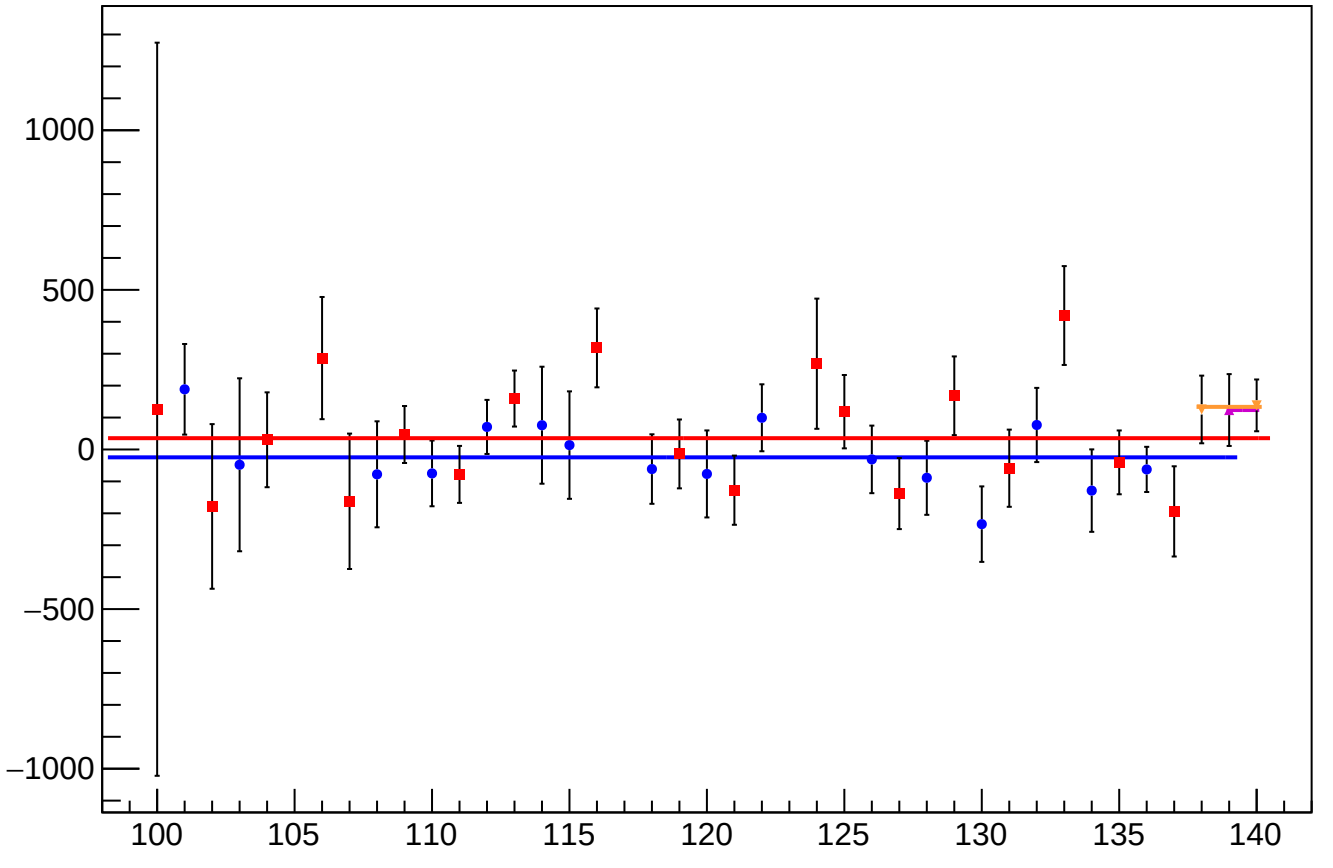
Left: 715.149+/-0.329 χ^2/NDF: 117948.8/2

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 962.136+/-0.247 χ^2/NDF:758530.5/16

Out: 883.049+/-0.216 χ^2/NDF:1255699.4/20

All: 917.352+/-0.162 χ^2/NDF: 2072479.8/37



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 133.444+/-64.409 χ^2/NDF:0.0/1

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 123.553+/-112.527 χ^2/NDF:0.0/0

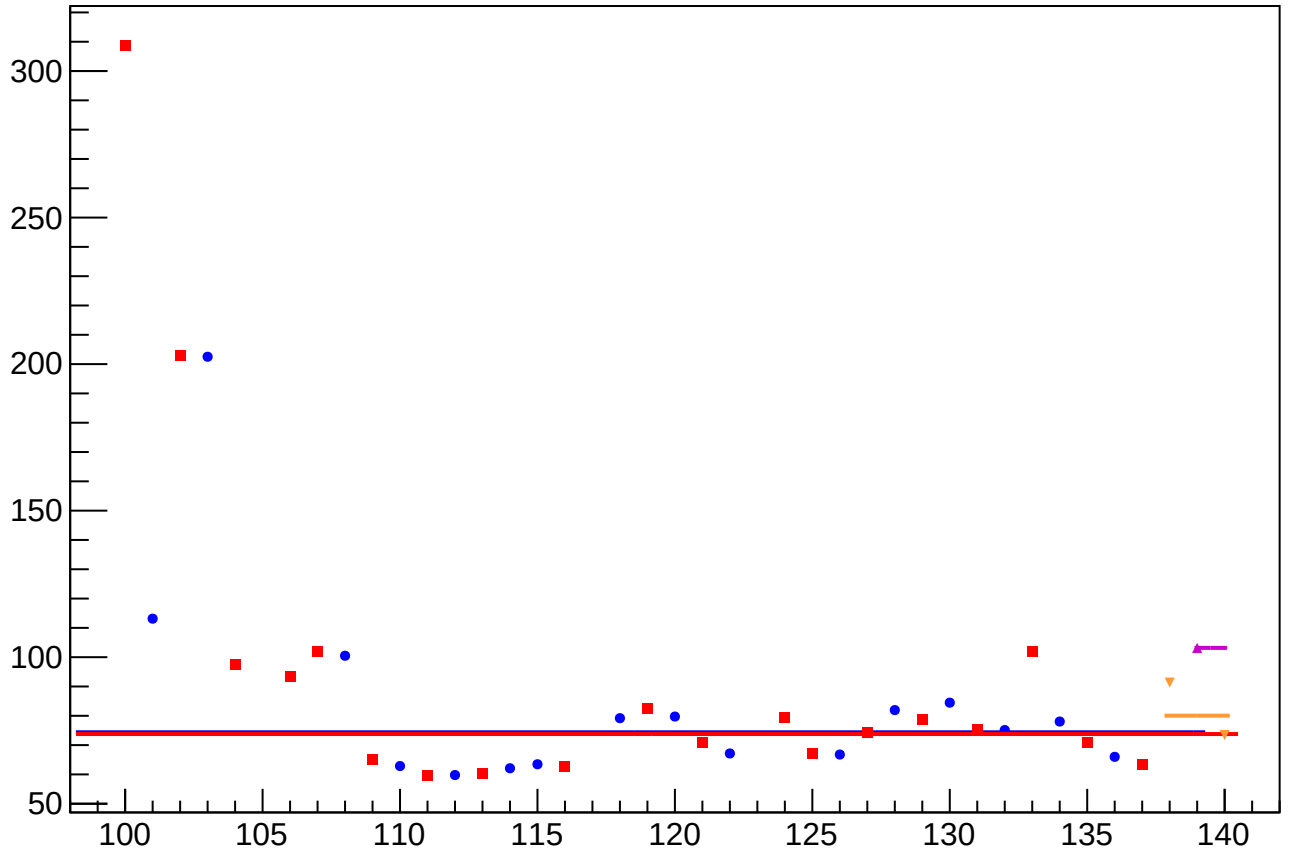
Left: 131.003+/-55.899 χ^2/NDF: 0.0/2

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: -15.462+/-28.003 χ^2/NDF:12.6/16

Out: 51.399+/-26.030 χ^2/NDF:32.0/20

All: 20.407+/-19.065 χ^2/NDF: 47.7/37



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 80.044+/-0.046 χ^2/NDF:35935.8/1

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 103.170+/-0.080 χ^2/NDF:0.0/0

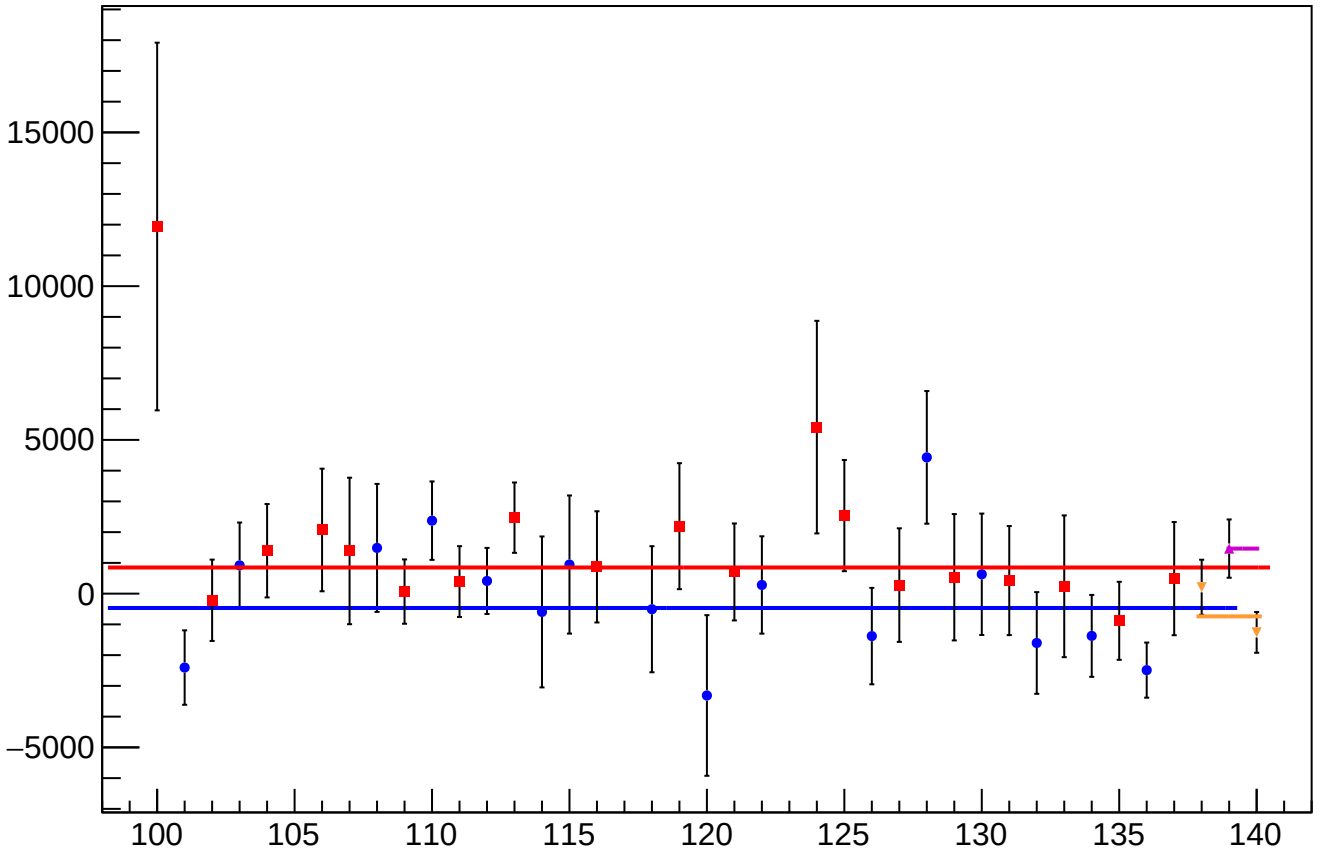
Left: 85.751+/-0.040 χ^2/NDF: 99565.5/2

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 76.153+/-0.020 χ^2/NDF:950493.7/16

Out: 74.797+/-0.018 χ^2/NDF:979961.5/20

All: 75.426+/-0.013 χ^2/NDF: 1932968.7/37



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -739.343+/-533.116 χ^2/NDF:1.7/1

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 1464.878+/-947.862 χ^2/NDF:0.0/0

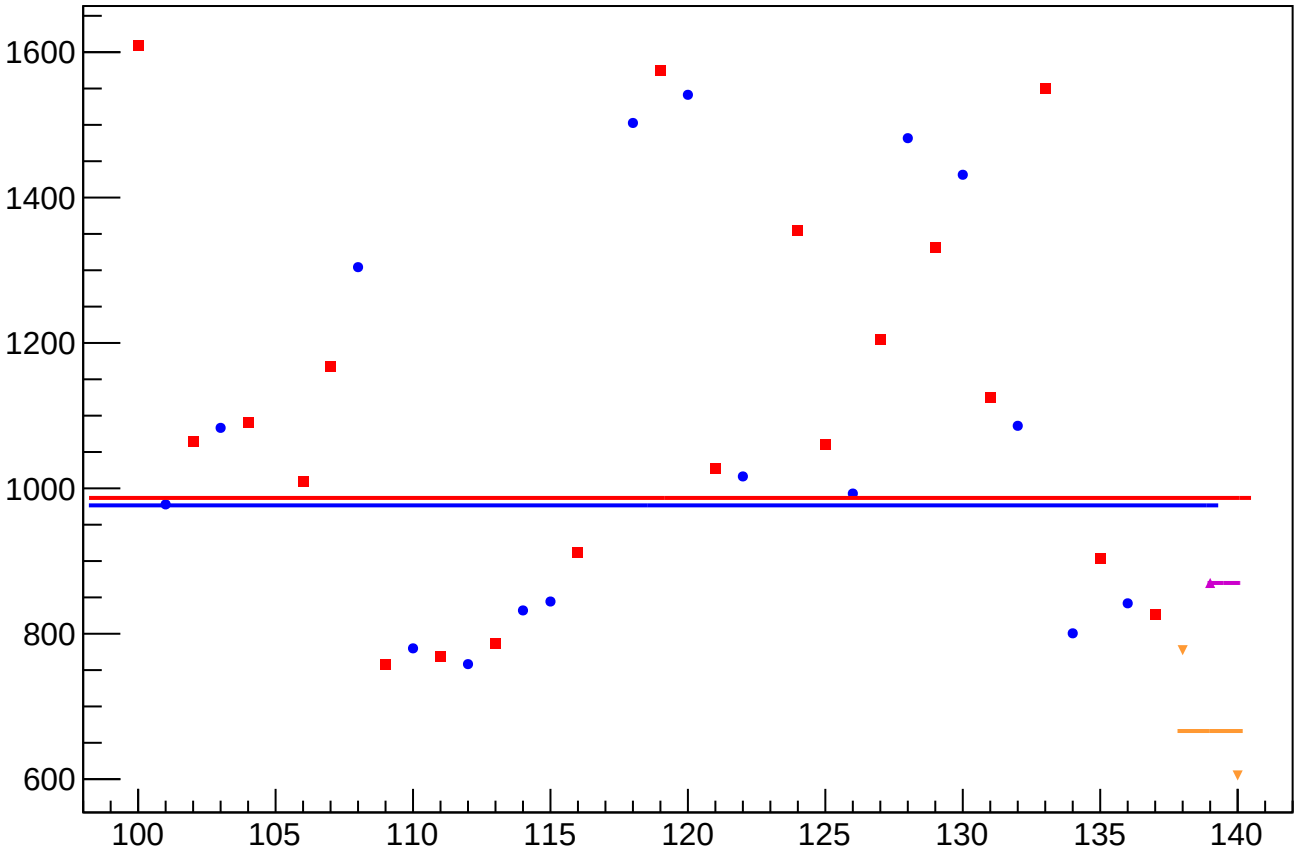
Left: -209.630+/-464.663 χ^2/NDF: 5.8/2

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -205.081+/-348.729 χ^2/NDF:27.3/16

Out: 328.006+/-305.673 χ^2/NDF:20.3/20

All: 96.385+/-229.867 χ^2/NDF: 48.9/37



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 666.210+/-0.377 χ^2/NDF:47817.7/1

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 869.853+/-0.670 χ^2/NDF:0.0/0

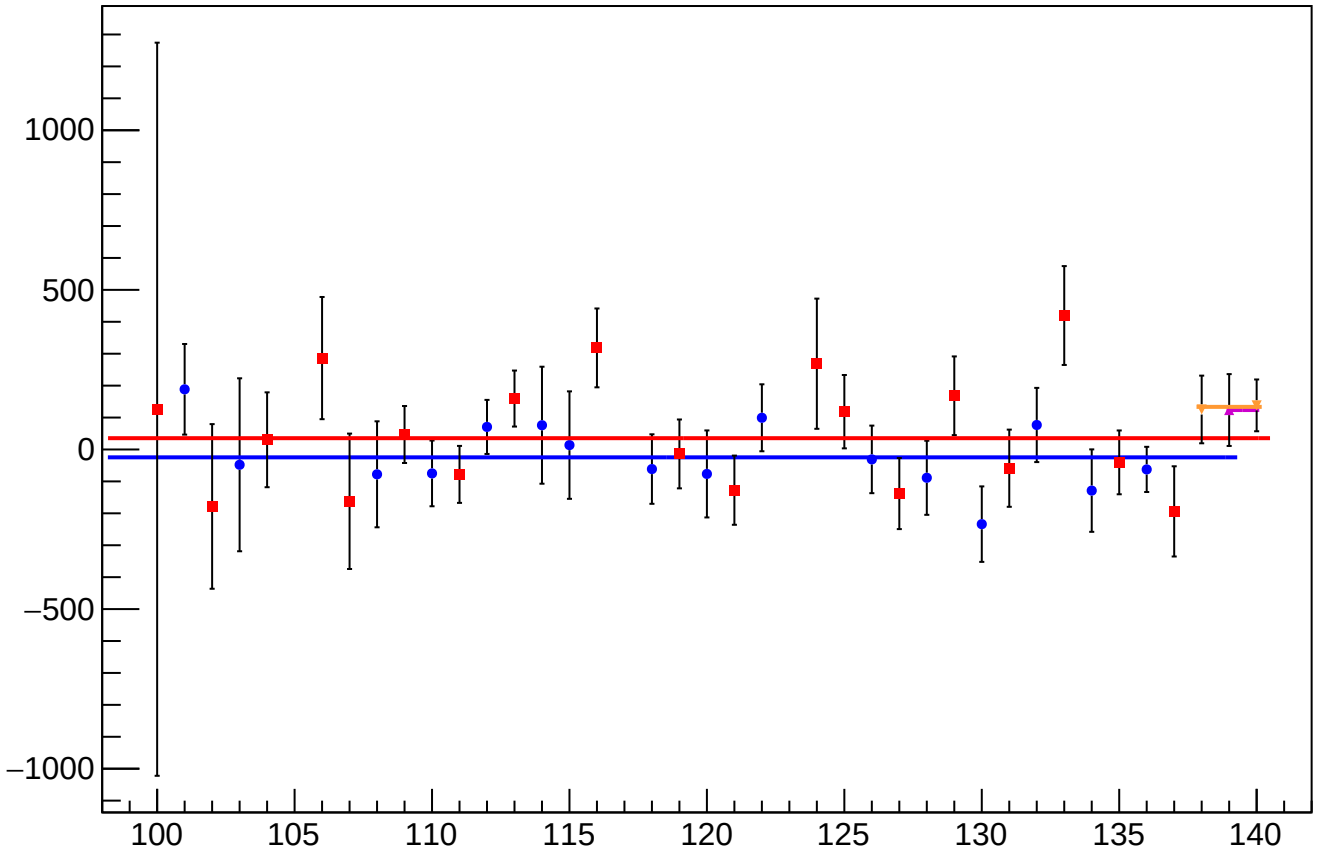
Left: 715.149+/-0.329 χ^2/NDF: 117949.0/2

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 962.141+/-0.247 χ^2/NDF:758556.4/16

Out: 881.420+/-0.216 χ^2/NDF:1246682.0/20

All: 916.493+/-0.163 χ^2/NDF: 2065837.4/37



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 133.444+/-64.409 χ^2/NDF:0.0/1

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 123.553+/-112.527 χ^2/NDF:0.0/0

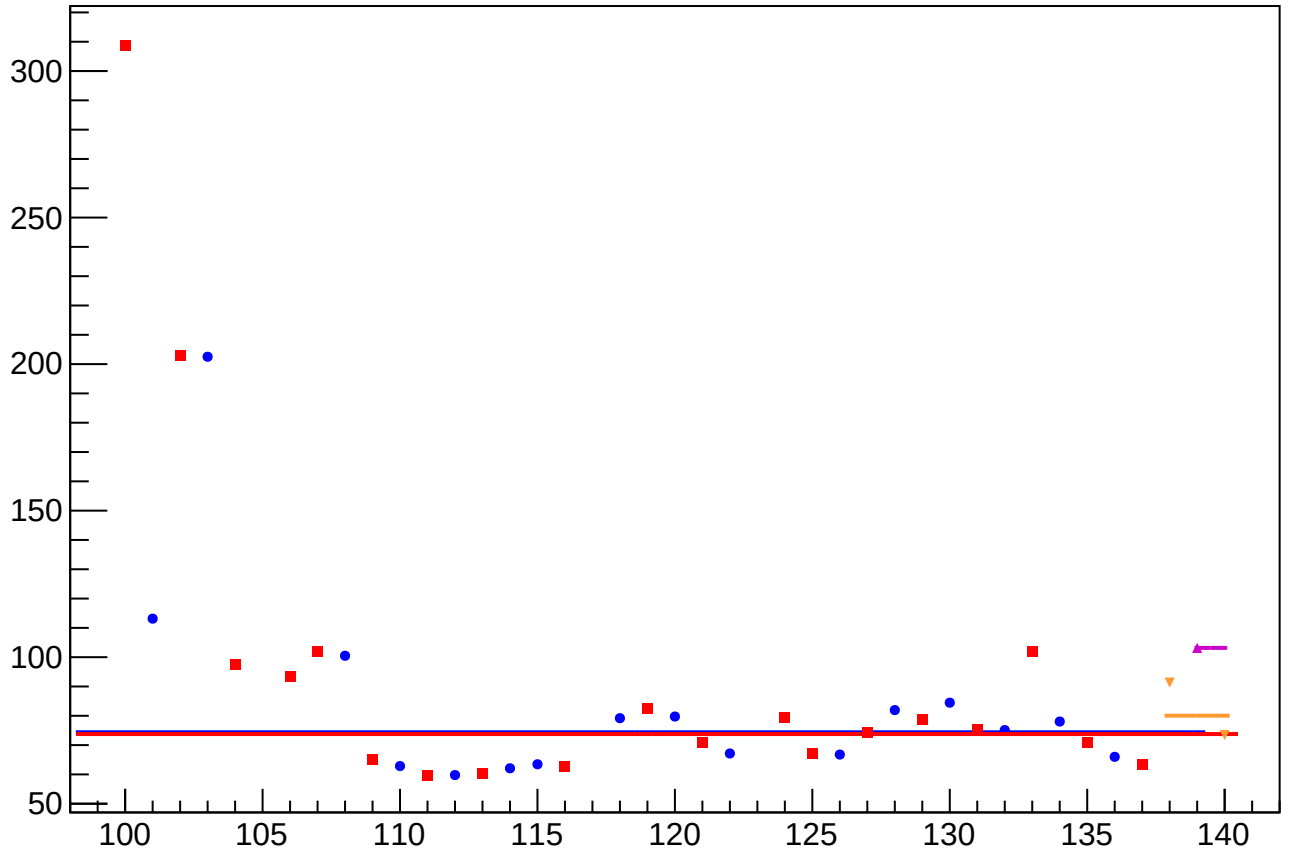
Left: 131.003+/-55.899 χ^2/NDF: 0.0/2

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: -15.462+/-28.003 χ^2/NDF:12.6/16

Out: 51.399+/-26.030 χ^2/NDF:32.0/20

All: 20.407+/-19.065 χ^2/NDF: 47.7/37



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 80.044+/-0.046 χ^2/NDF:35935.8/1

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 103.170+/-0.080 χ^2/NDF:0.0/0

Left: 85.751+/-0.040 χ^2/NDF: 99565.5/2

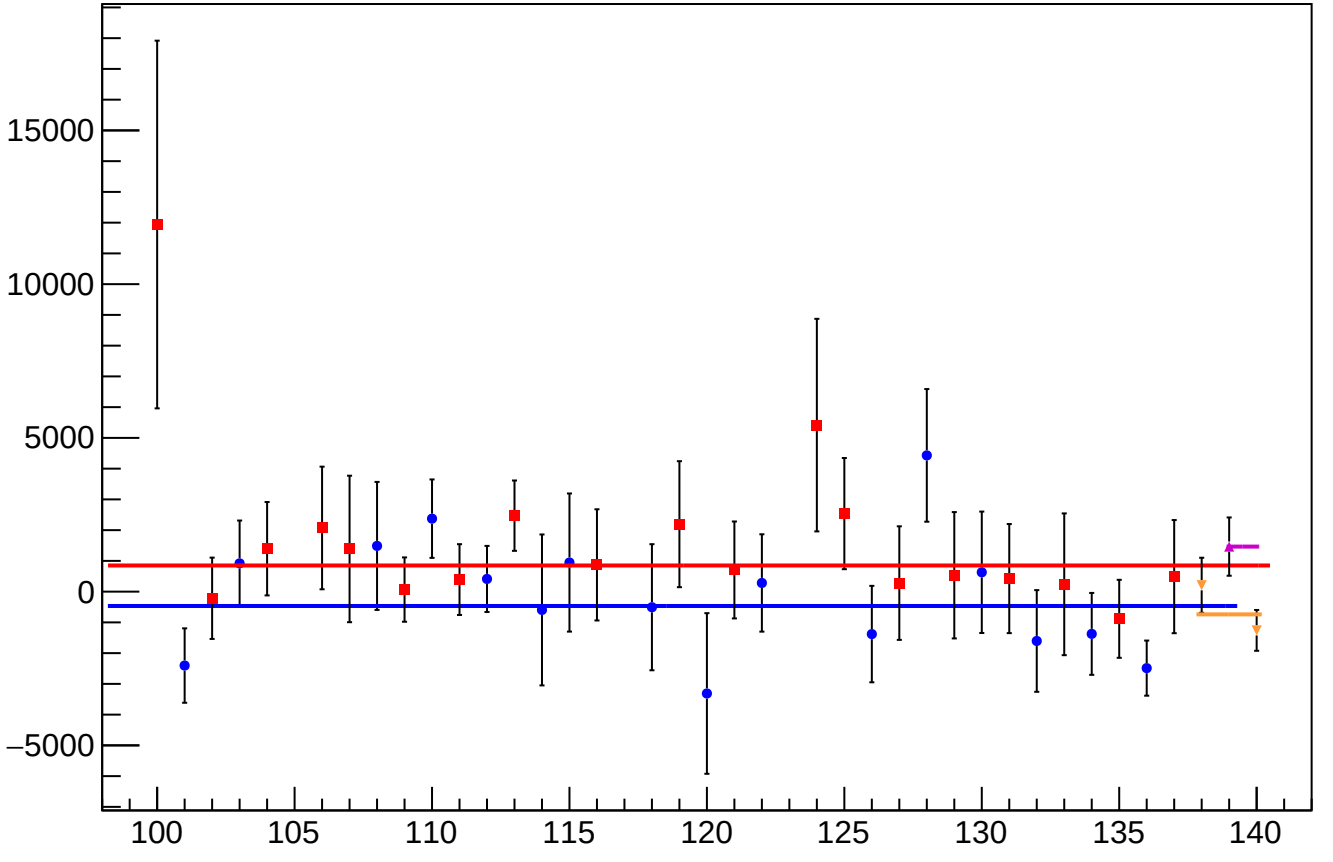
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 76.153+/-0.020 χ^2/NDF:950493.7/16

Out: 74.797+/-0.018 χ^2/NDF:979961.5/20

All: 75.426+/-0.013 χ^2/NDF: 1932968.7/37

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -739.343+/-533.116 χ^2/NDF:1.7/1

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 1464.878+/-947.862 χ^2/NDF:0.0/0

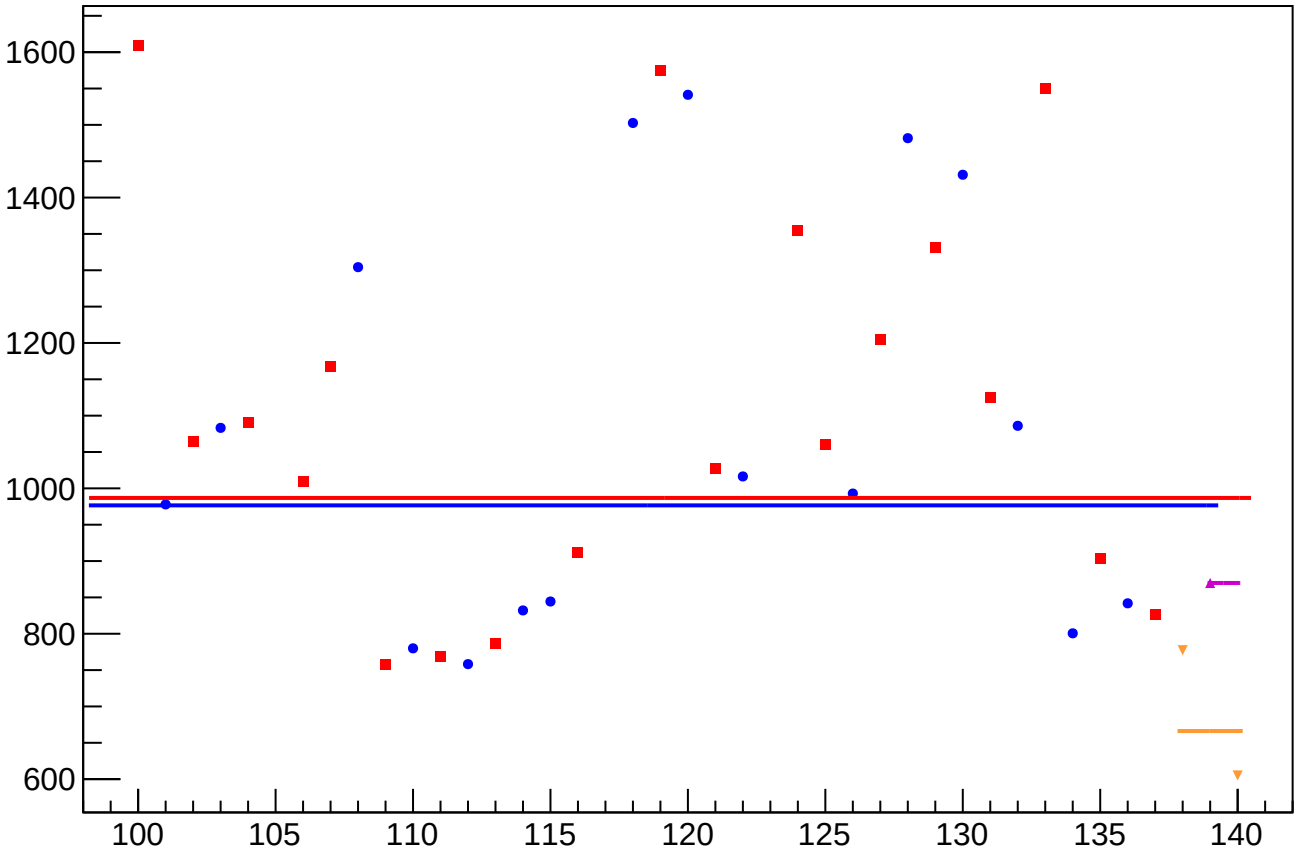
Left: -209.630+/-464.663 χ^2/NDF: 5.8/2

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -205.081+/-348.729 χ^2/NDF:27.3/16

Out: 328.006+/-305.673 χ^2/NDF:20.3/20

All: 96.385+/-229.867 χ^2/NDF: 48.9/37



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 666.210+/-0.377 χ^2/NDF:47817.7/1

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 869.853+/-0.670 χ^2/NDF:0.0/0

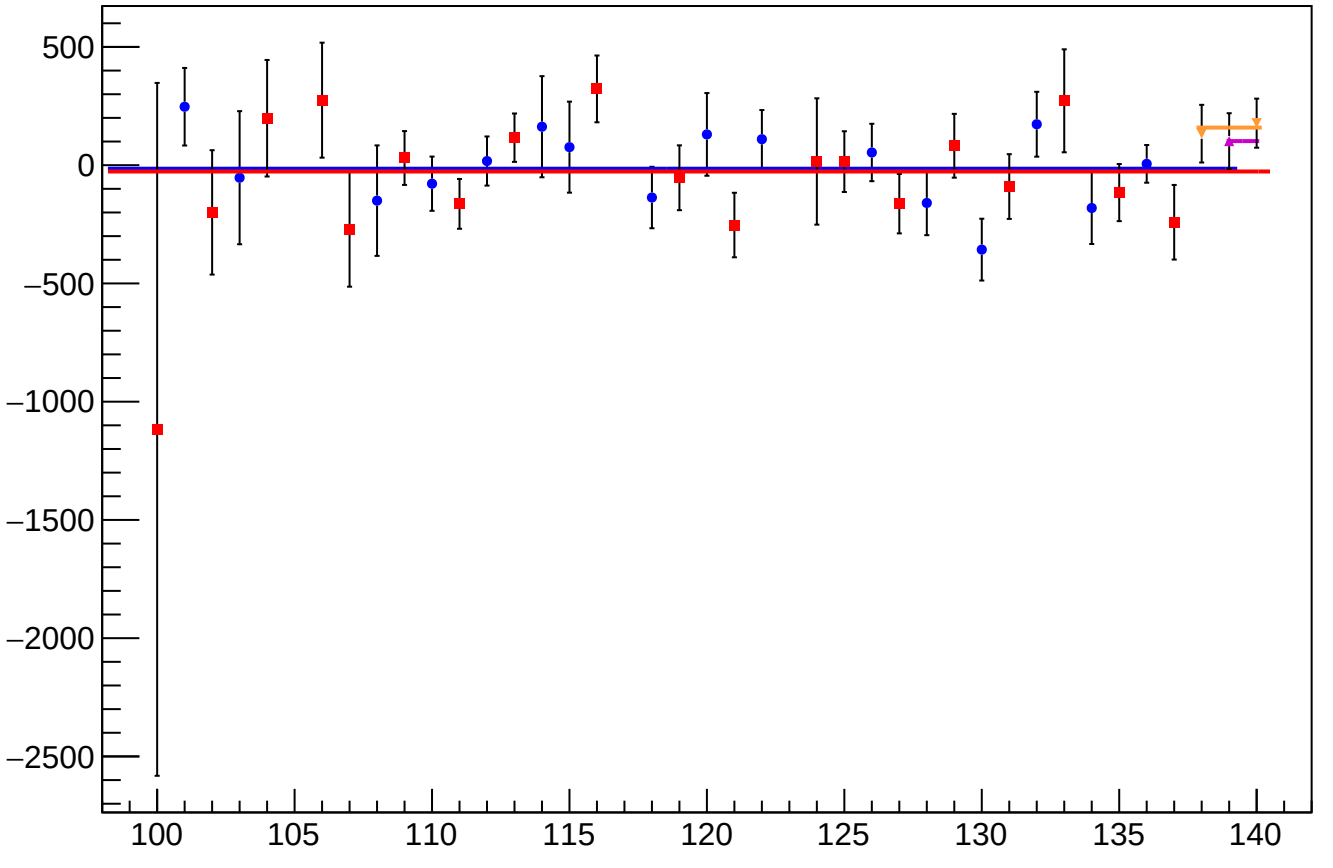
Left: 715.149+/-0.329 χ^2/NDF: 117949.0/2

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 962.141+/-0.247 χ^2/NDF:758556.4/16

Out: 881.420+/-0.216 χ^2/NDF:1246682.0/20

All: 916.493+/-0.163 χ^2/NDF: 2065837.4/37



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 158.969+/-79.030 χ^2/NDF:0.1/1

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 101.865+/-117.904 χ^2/NDF:0.0/0

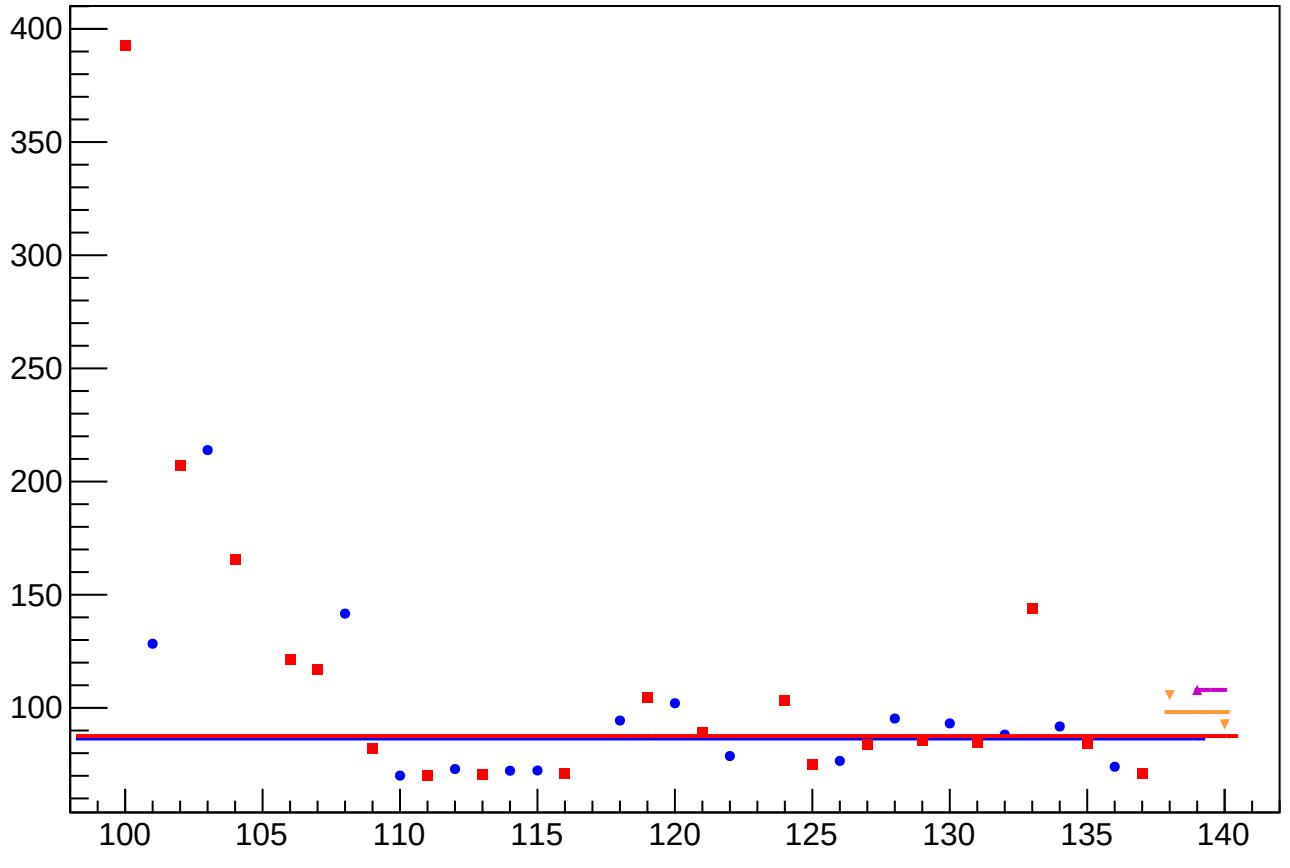
Left: 141.266+/-65.647 χ^2/NDF: 0.2/2

Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: -6.101+/-32.456 χ^2/NDF:19.2/16

Out: 2.441+/-31.289 χ^2/NDF:28.3/20

All: -1.673+/-22.526 χ^2/NDF: 47.5/37



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 98.160+/-0.056 χ^2/NDF:13003.1/1

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 107.949+/-0.083 χ^2/NDF:0.0/0

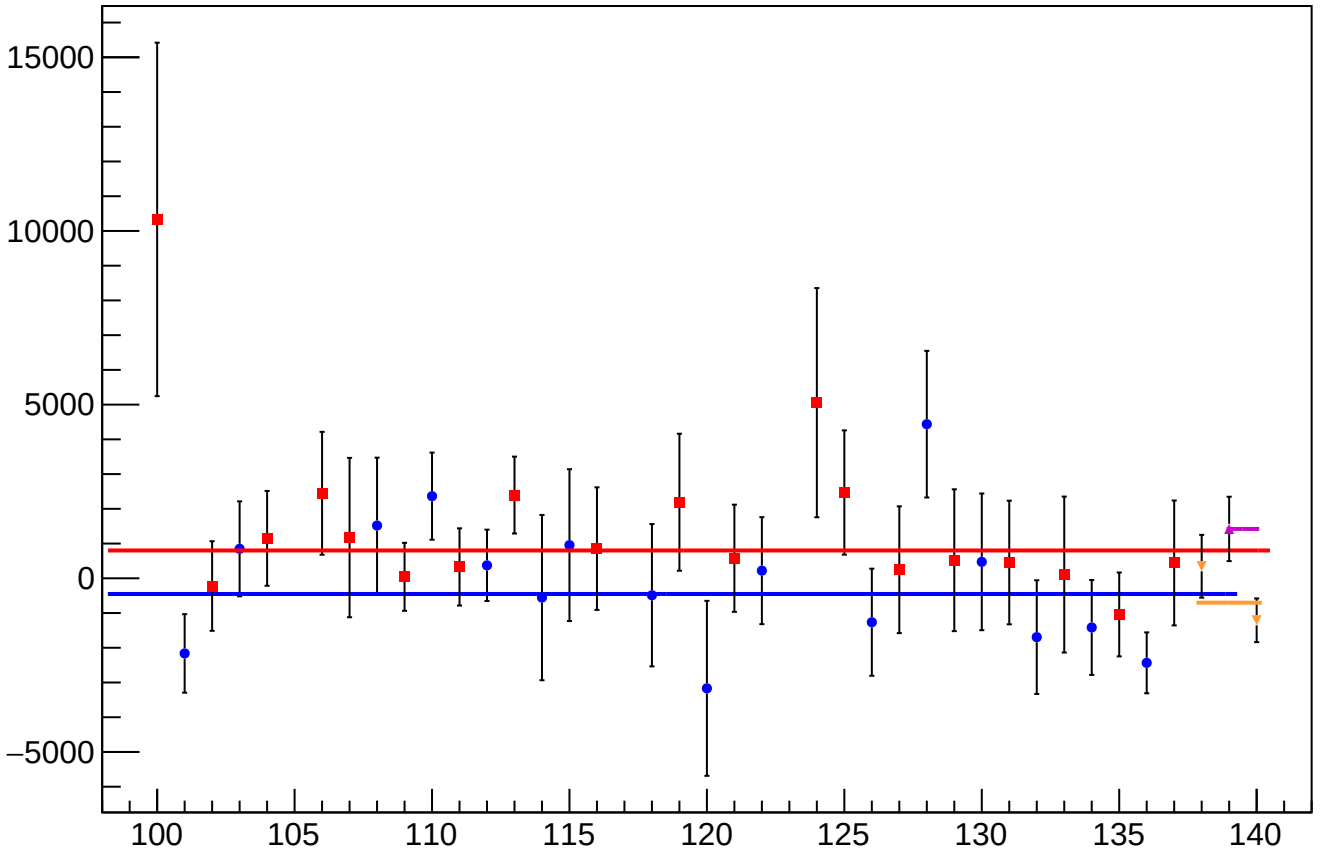
Left: 101.194+/-0.046 χ^2/NDF: 22515.2/2

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 88.115+/-0.023 χ^2/NDF:917491.7/16

Out: 89.217+/-0.022 χ^2/NDF:1173166.9/20

All: 88.686+/-0.016 χ^2/NDF: 2091853.0/37



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -701.723+/-516.106 χ^2/NDF:2.0/1

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 1421.455+/-926.384 χ^2/NDF:0.0/0

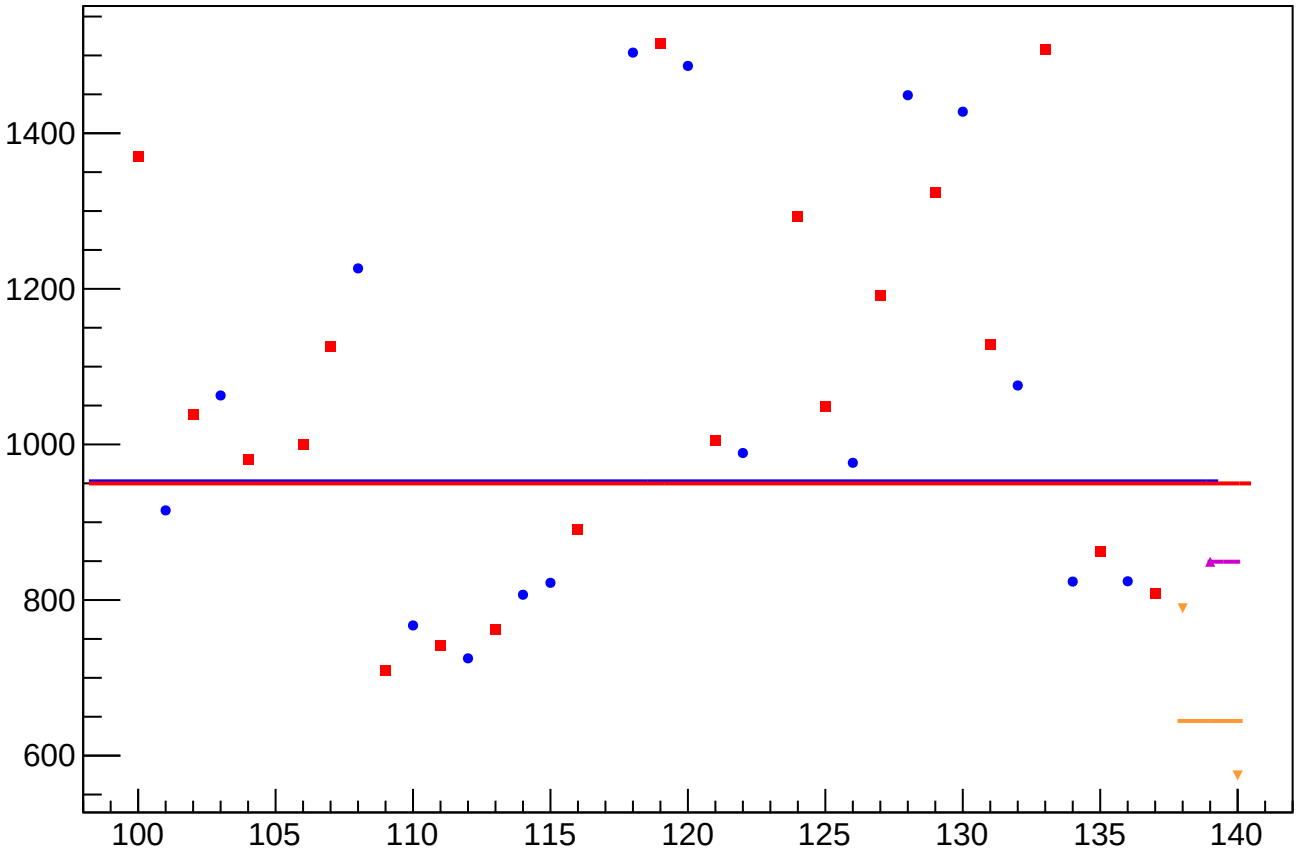
Left: -198.820+/-450.858 χ^2/NDF: 6.0/2

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -198.988+/-340.079 χ^2/NDF:27.3/16

Out: 313.222+/-294.085 χ^2/NDF:21.3/20

All: 94.072+/-222.447 χ^2/NDF: 49.9/37



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 644.585+/-0.365 χ^2/NDF:76156.9/1

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 849.257+/-0.655 χ^2/NDF:0.0/0

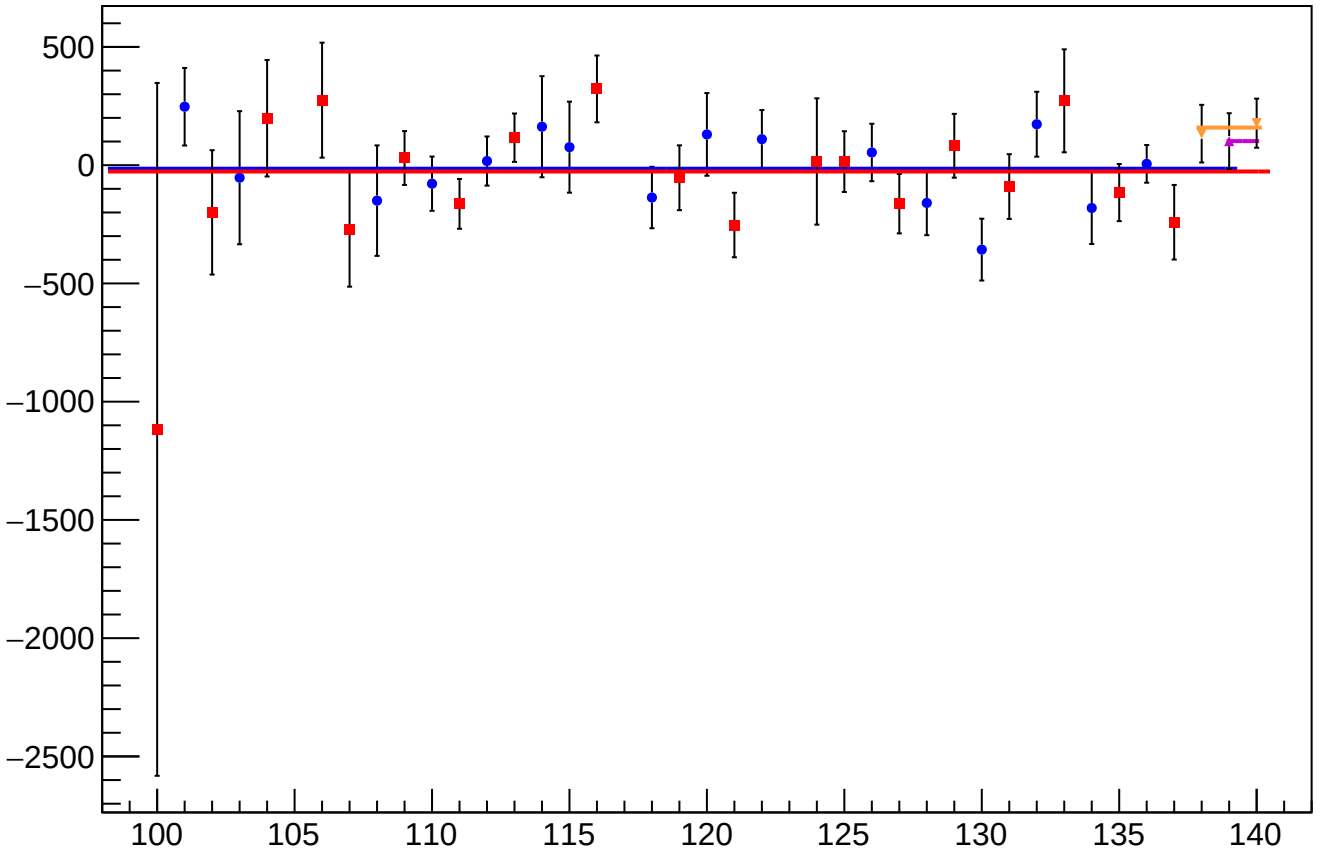
Left: 693.065+/-0.319 χ^2/NDF: 150658.8/2

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 938.630+/-0.240 χ^2/NDF:767861.2/16

Out: 850.762+/-0.208 χ^2/NDF:1300468.9/20

All: 888.357+/-0.157 χ^2/NDF: 2144721.5/37



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 158.968+/-79.030 χ^2/NDF:0.1/1

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 101.868+/-117.904 χ^2/NDF:0.0/0

Left: 141.267+/-65.647 χ^2/NDF: 0.2/2

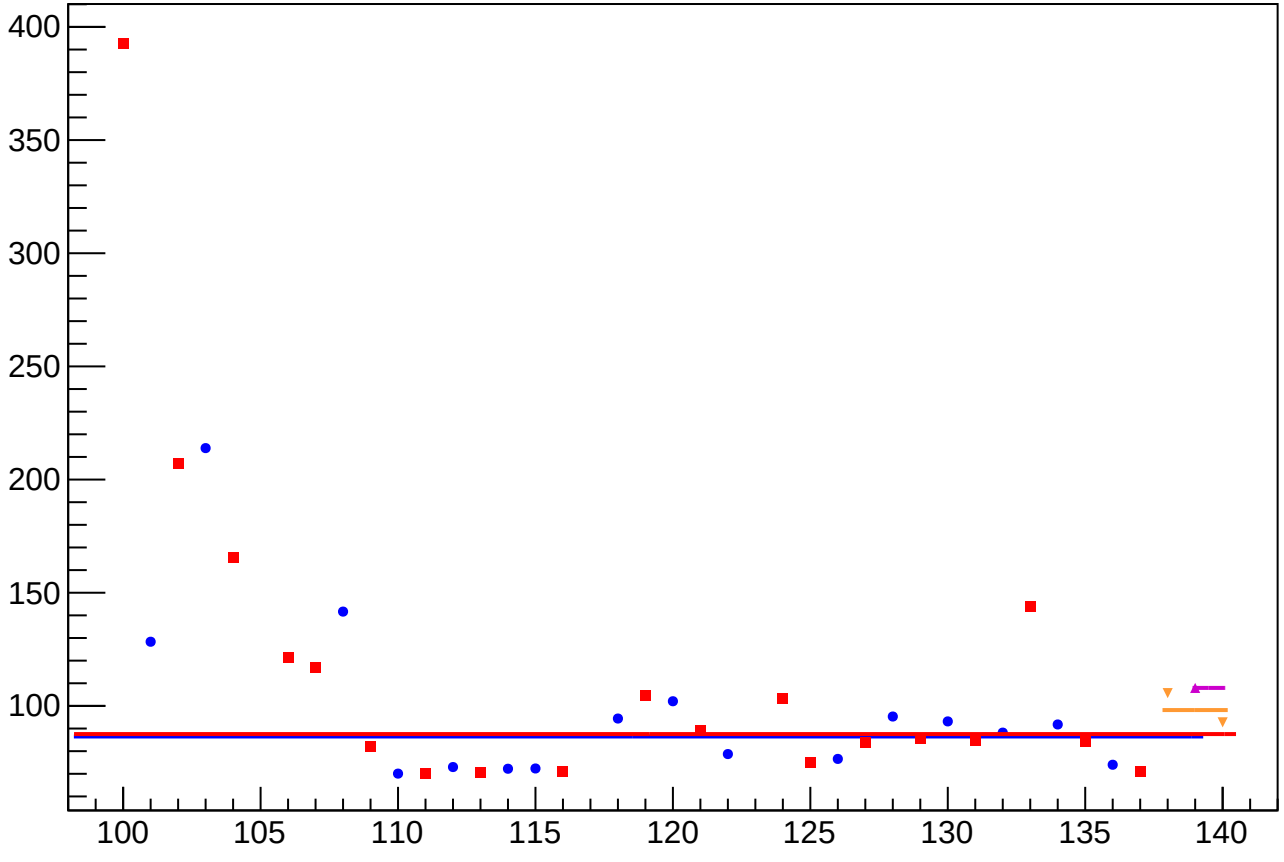
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: -6.101+/-32.457 χ^2/NDF:19.2/16

Out: 2.438+/-31.289 χ^2/NDF:28.3/20

All: -1.675+/-22.526 χ^2/NDF: 47.5/37

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: 98.160+/-0.056 χ^2/NDF:13002.6/1

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 107.949+/-0.083 χ^2/NDF:0.0/0

Left: 101.195+/-0.046 χ^2/NDF: 22514.2/2

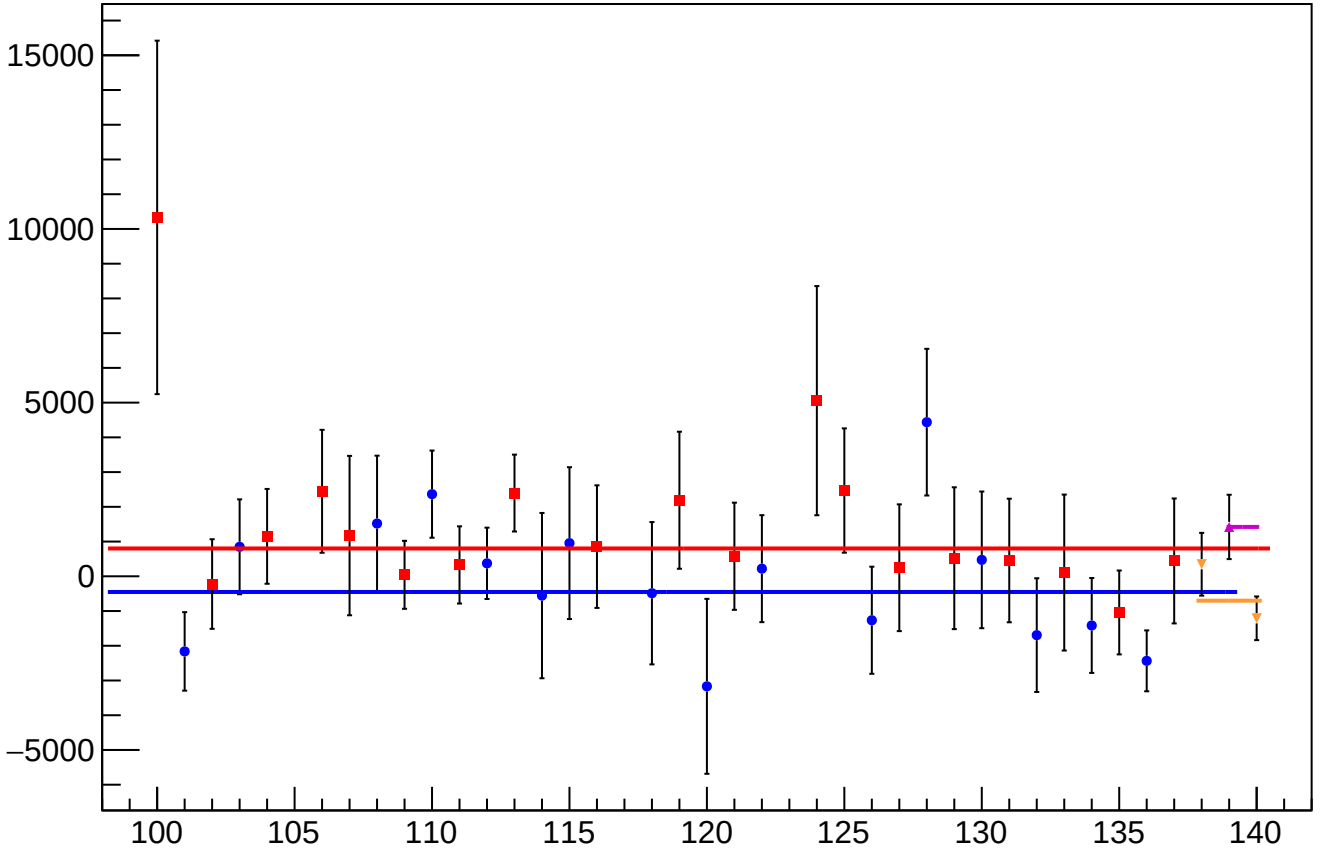
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 88.116+/-0.023 χ^2/NDF:917481.0/16

Out: 89.217+/-0.022 χ^2/NDF:1173162.6/20

All: 88.687+/-0.016 χ^2/NDF: 2091838.3/37

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: -701.725+/-516.106 χ^2/NDF:2.0/1

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 1421.455+/-926.385 χ^2/NDF:0.0/0

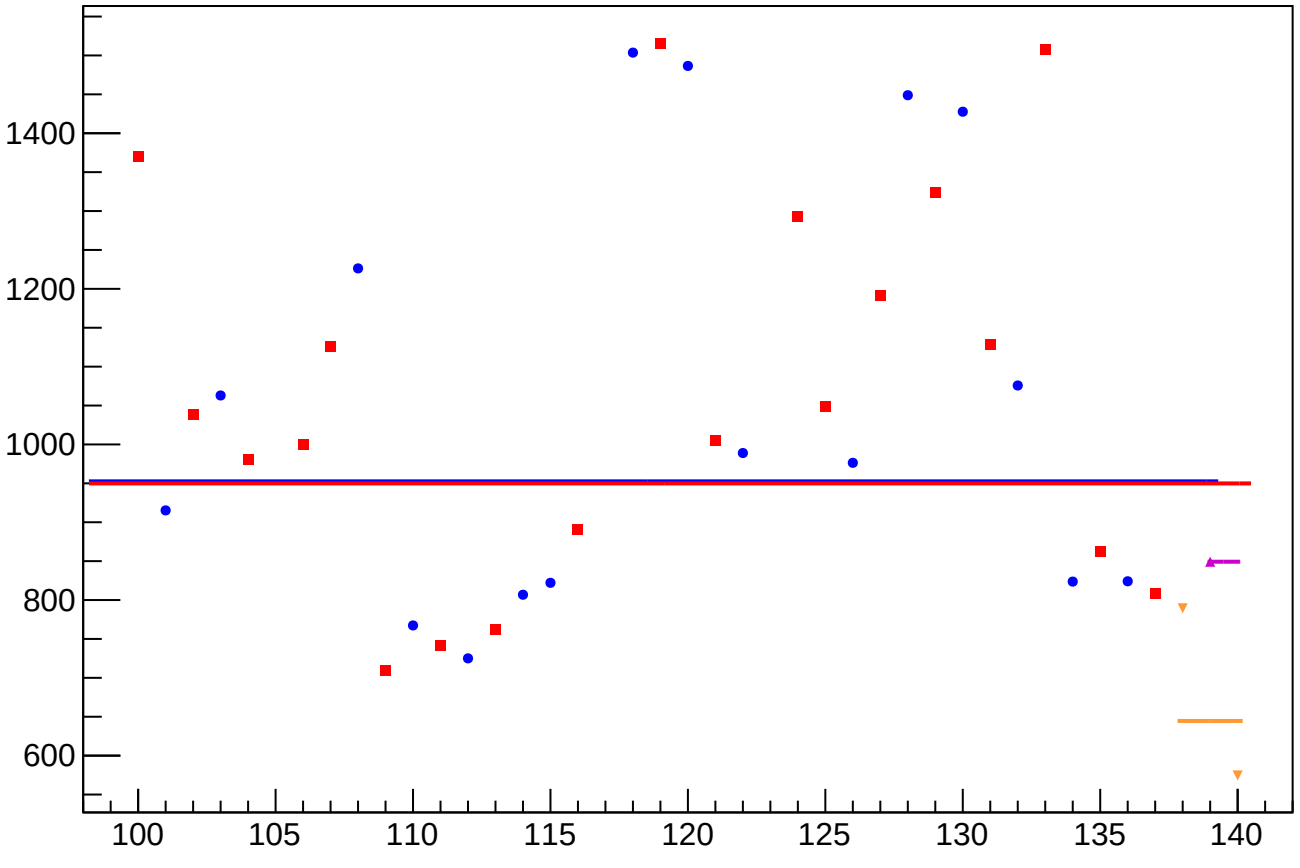
Left: -198.822+/-450.858 χ^2/NDF: 6.0/2

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -198.987+/-340.078 χ^2/NDF:27.3/16

Out: 313.223+/-294.084 χ^2/NDF:21.3/20

All: 94.073+/-222.447 χ^2/NDF: 49.9/37



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 644.585+/-0.365 χ^2/NDF:76157.8/1

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 849.258+/-0.655 χ^2/NDF:0.0/0

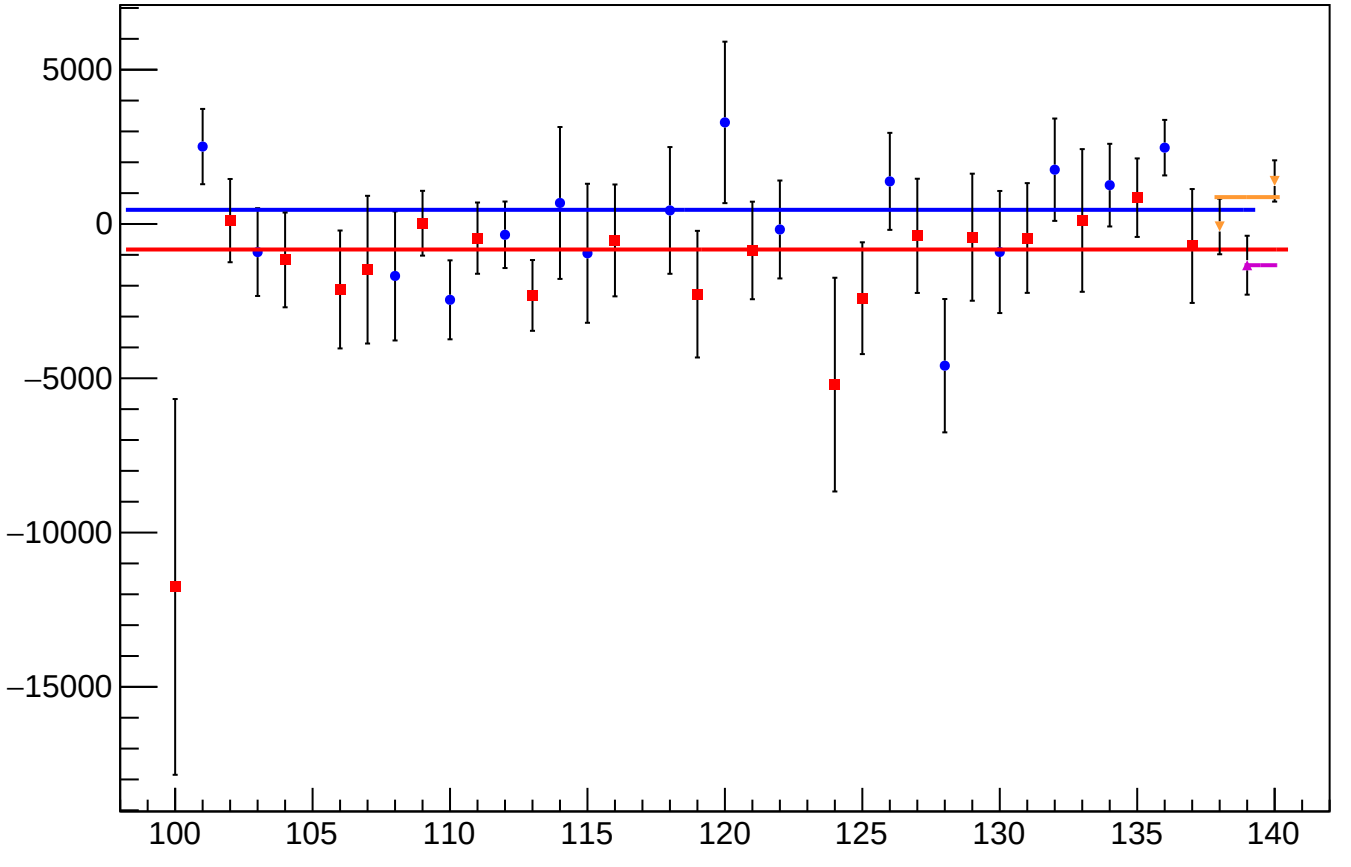
Left: 693.064+/-0.319 χ^2/NDF: 150660.2/2

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 938.629+/-0.240 χ^2/NDF:767863.1/16

Out: 850.761+/-0.208 χ^2/NDF:1300464.9/20

All: 888.356+/-0.157 χ^2/NDF: 2144719.1/37



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 871.033+/-537.093 χ^2/NDF:1.7/1

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -1335.632+/-954.563 χ^2/NDF:0.0/0

Left: 340.421+/-468.085 χ^2/NDF: 5.8/2

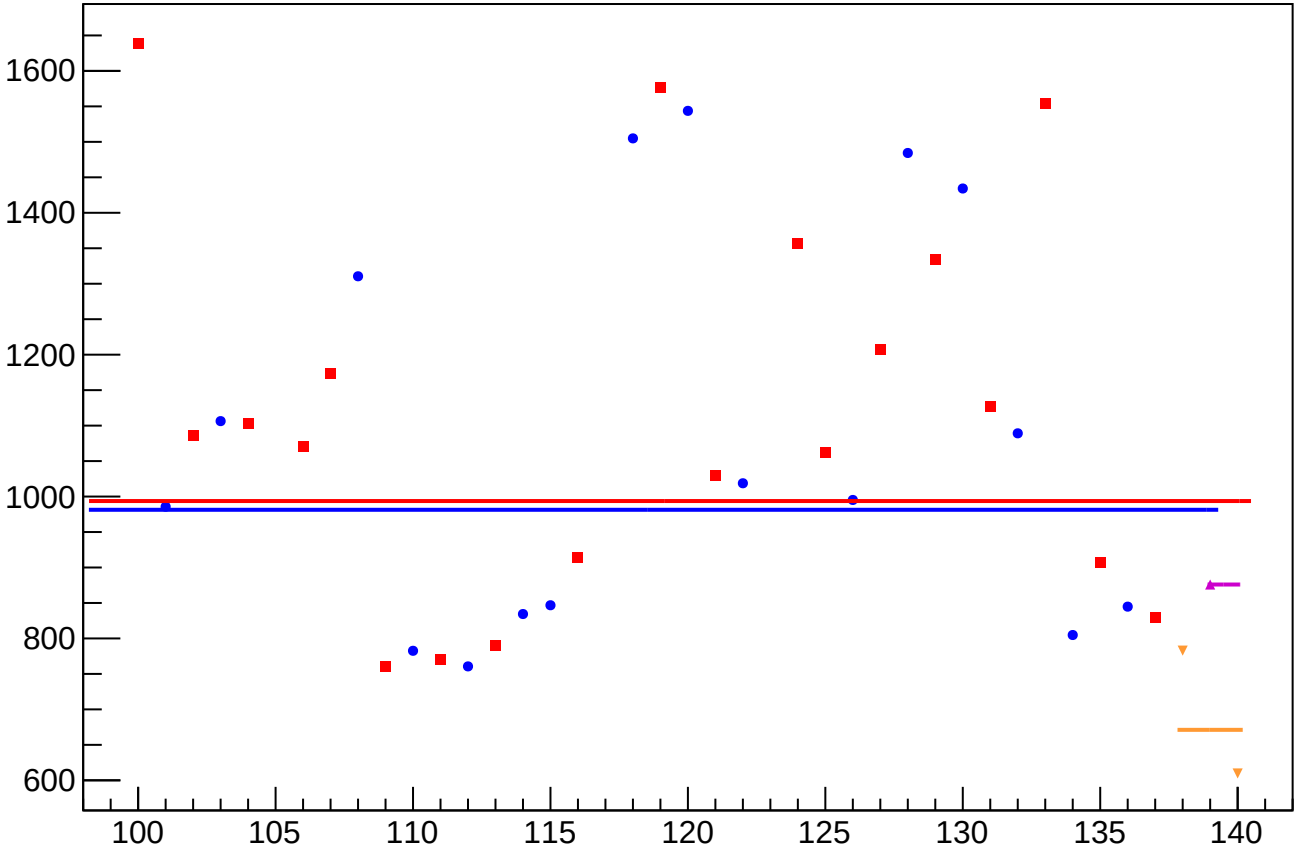
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 217.102+/-350.542 χ^2/NDF:27.6/16

Out: -271.705+/-307.054 χ^2/NDF:20.1/20

All: -59.486+/-230.974 χ^2/NDF: 48.8/37

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 671.156+/-0.380 χ^2/NDF:47606.8/1

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 876.001+/-0.675 χ^2/NDF:0.0/0

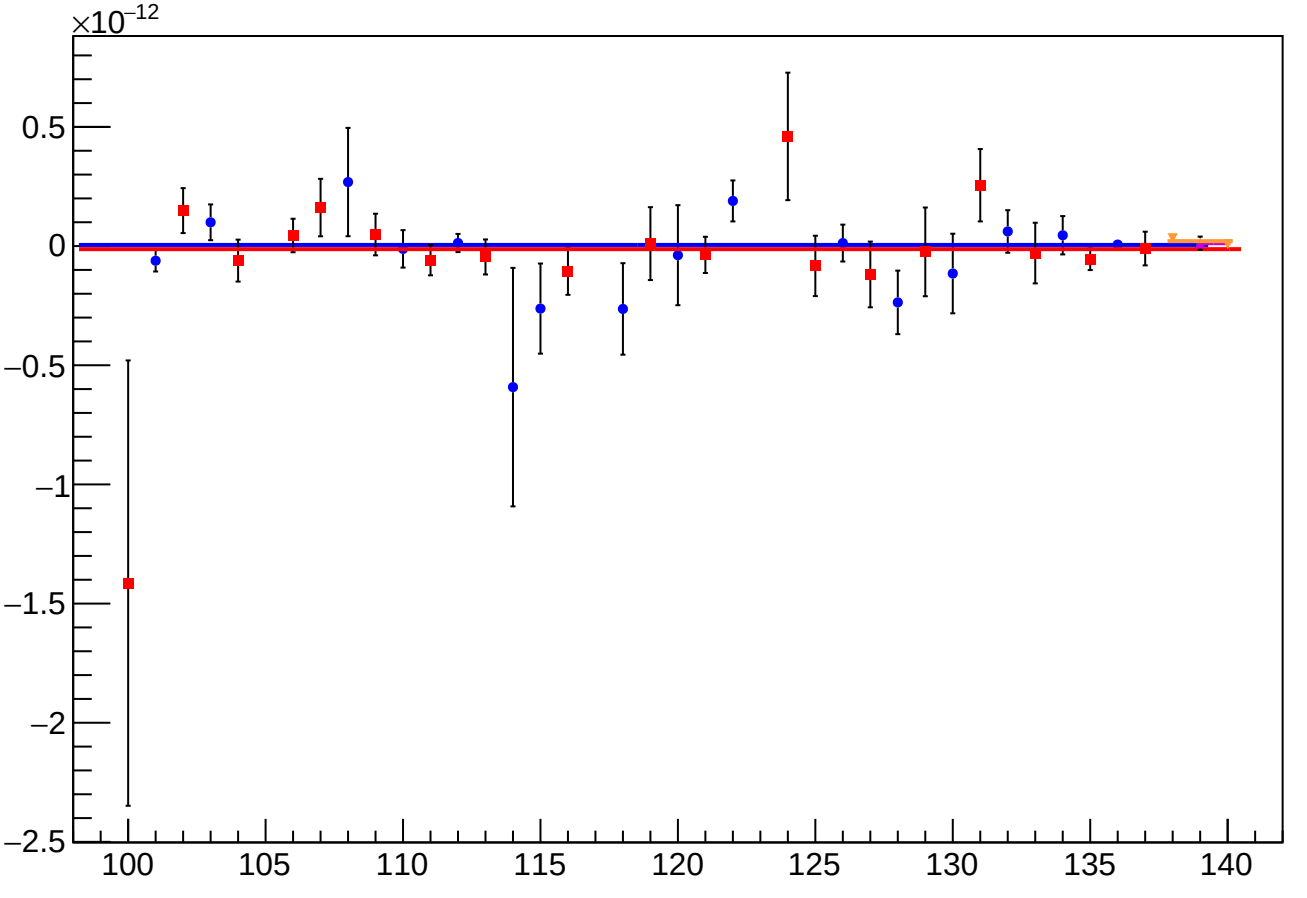
Left: 720.413+/-0.331 χ^2/NDF: 117562.7/2

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 967.142+/-0.248 χ^2/NDF:758701.9/16

Out: 888.270+/-0.217 χ^2/NDF:1252903.2/20

All: 922.513+/-0.163 χ^2/NDF: 2068896.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

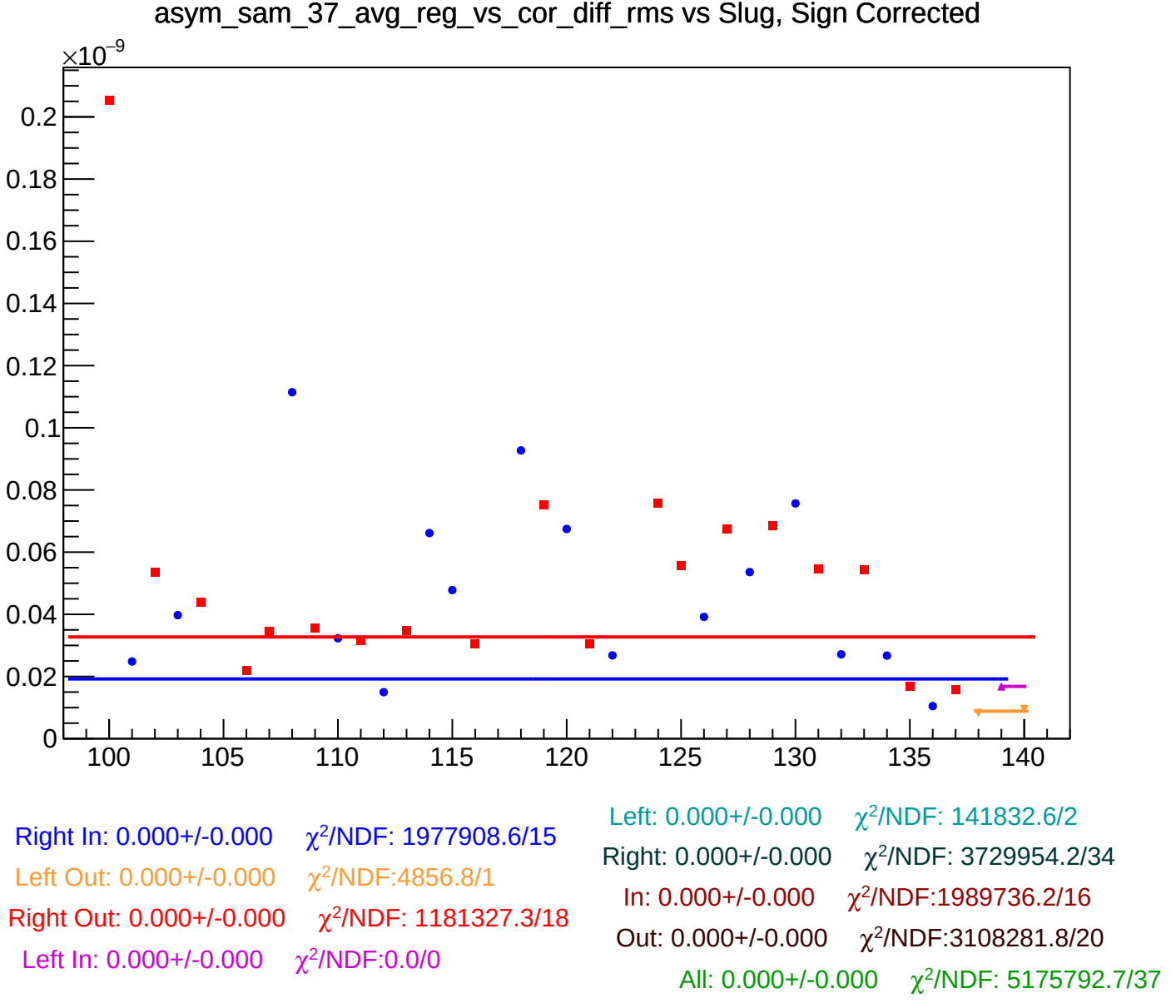
Left: 0.000+/-0.000 χ^2/NDF: 1.1/2

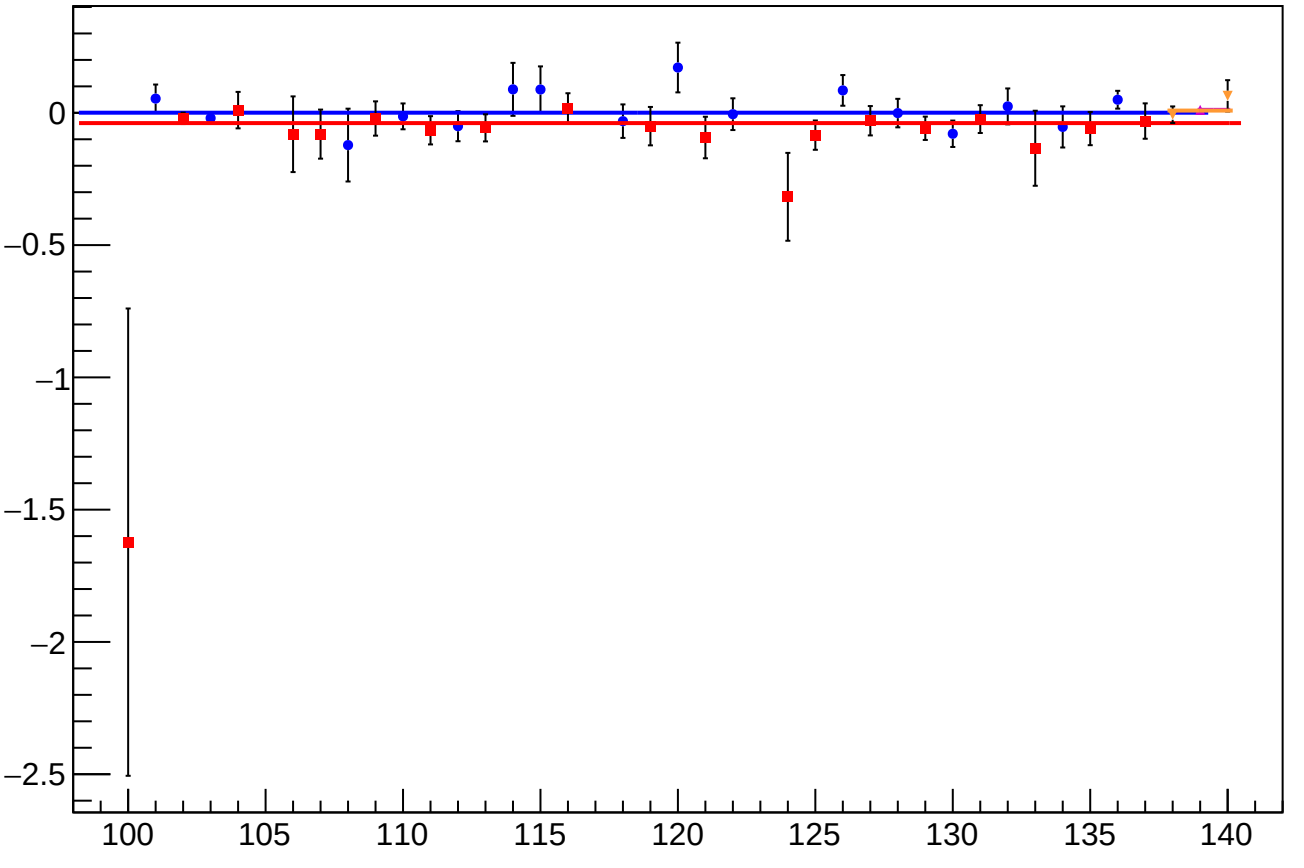
Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:19.7/16

Out: 0.000+/-0.000 χ^2/NDF:21.3/20

All: 0.000+/-0.000 χ^2/NDF: 41.1/37


asym_sam_37_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
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:4856.8/1
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 141832.6/2
Right: 0.000+/-0.000 χ²/NDF: 3729954.2/34
In: 0.000+/-0.000 χ²/NDF:1989736.2/16
Out: 0.000+/-0.000 χ²/NDF:3108281.8/20
All: 0.000+/-0.000 χ²/NDF: 5175792.7/37



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.028 χ^2/NDF:1.1/1

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.011+/-0.013 χ^2/NDF:0.0/0

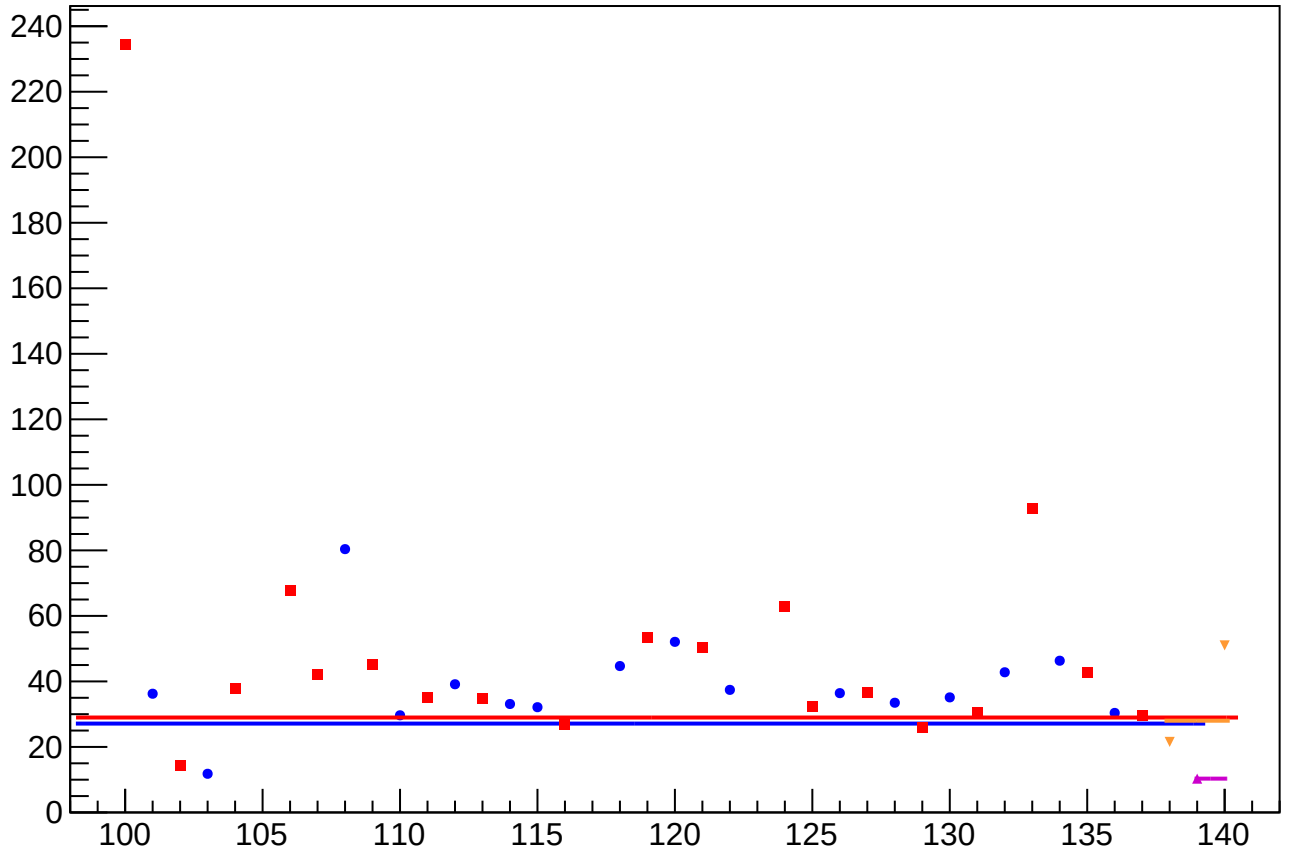
Left: 0.011+/-0.012 χ^2/NDF: 1.1/2

Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.005+/-0.009 χ^2/NDF:16.8/16

Out: -0.031+/-0.011 χ^2/NDF:14.6/20

All: -0.008+/-0.007 χ^2/NDF: 37.5/37



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 28.003+/-0.020 χ^2/NDF:386816.0/1

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 10.323+/-0.009 χ^2/NDF:0.0/0

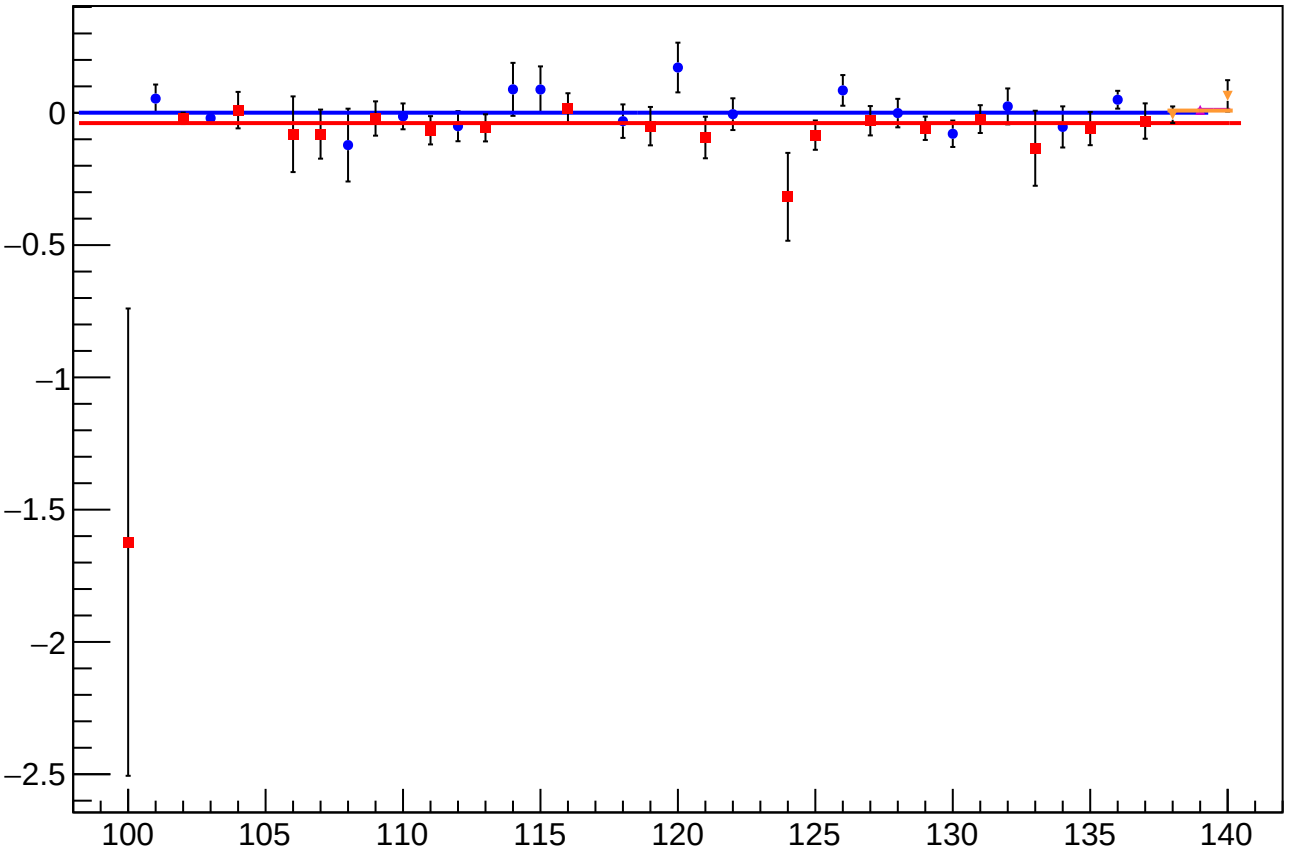
Left: 13.683+/-0.009 χ^2/NDF: 1045442.6/2

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 19.645+/-0.006 χ^2/NDF:4152339.6/16

Out: 28.811+/-0.008 χ^2/NDF:2845120.9/20

All: 23.109+/-0.005 χ^2/NDF: 7788106.8/37



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.028 χ^2/NDF:1.1/1

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.011+/-0.013 χ^2/NDF:0.0/0

Left: 0.011+/-0.012 χ^2/NDF: 1.1/2

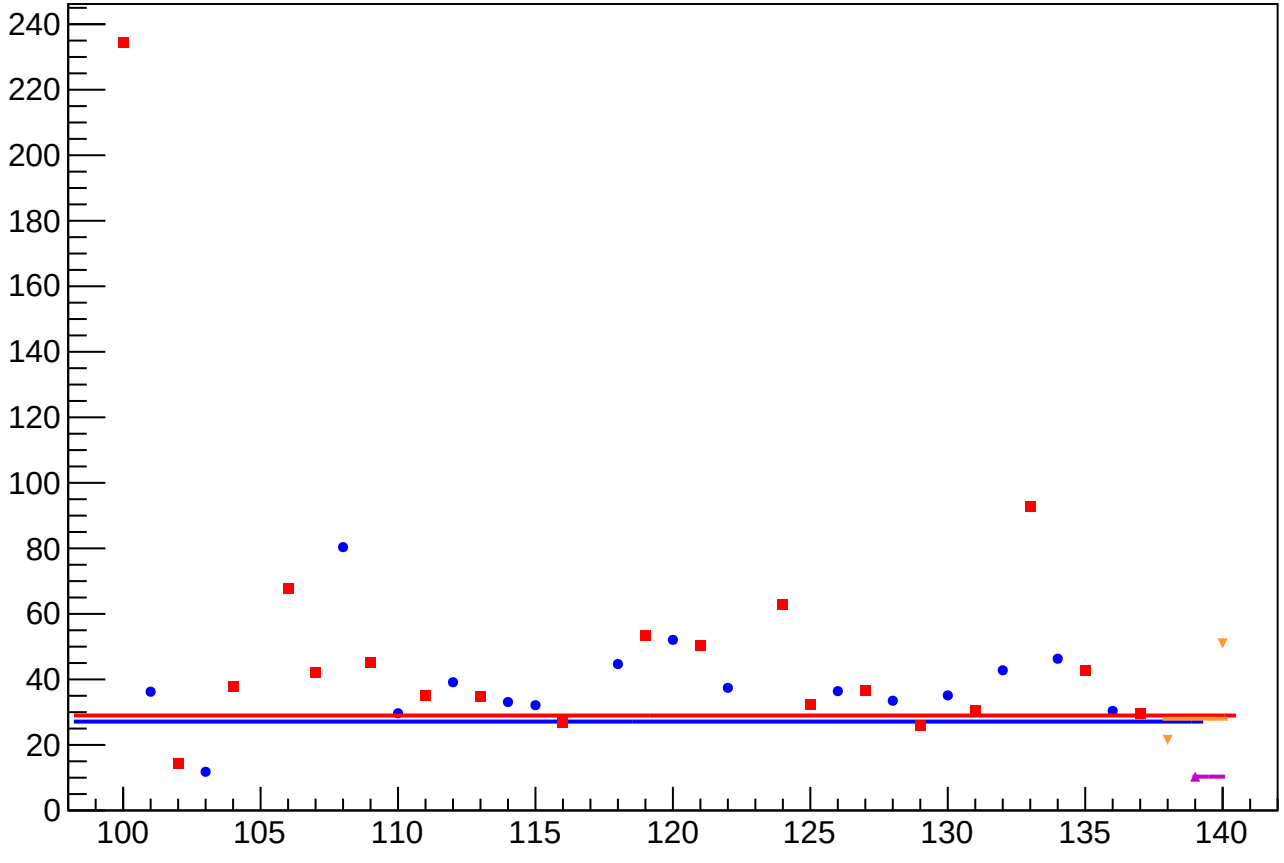
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.005+/-0.009 χ^2/NDF:16.8/16

Out: -0.031+/-0.011 χ^2/NDF:14.6/20

All: -0.008+/-0.007 χ^2/NDF: 37.5/37

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 28.003+/-0.020 χ^2/NDF:386816.0/1

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 10.323+/-0.009 χ^2/NDF:0.0/0

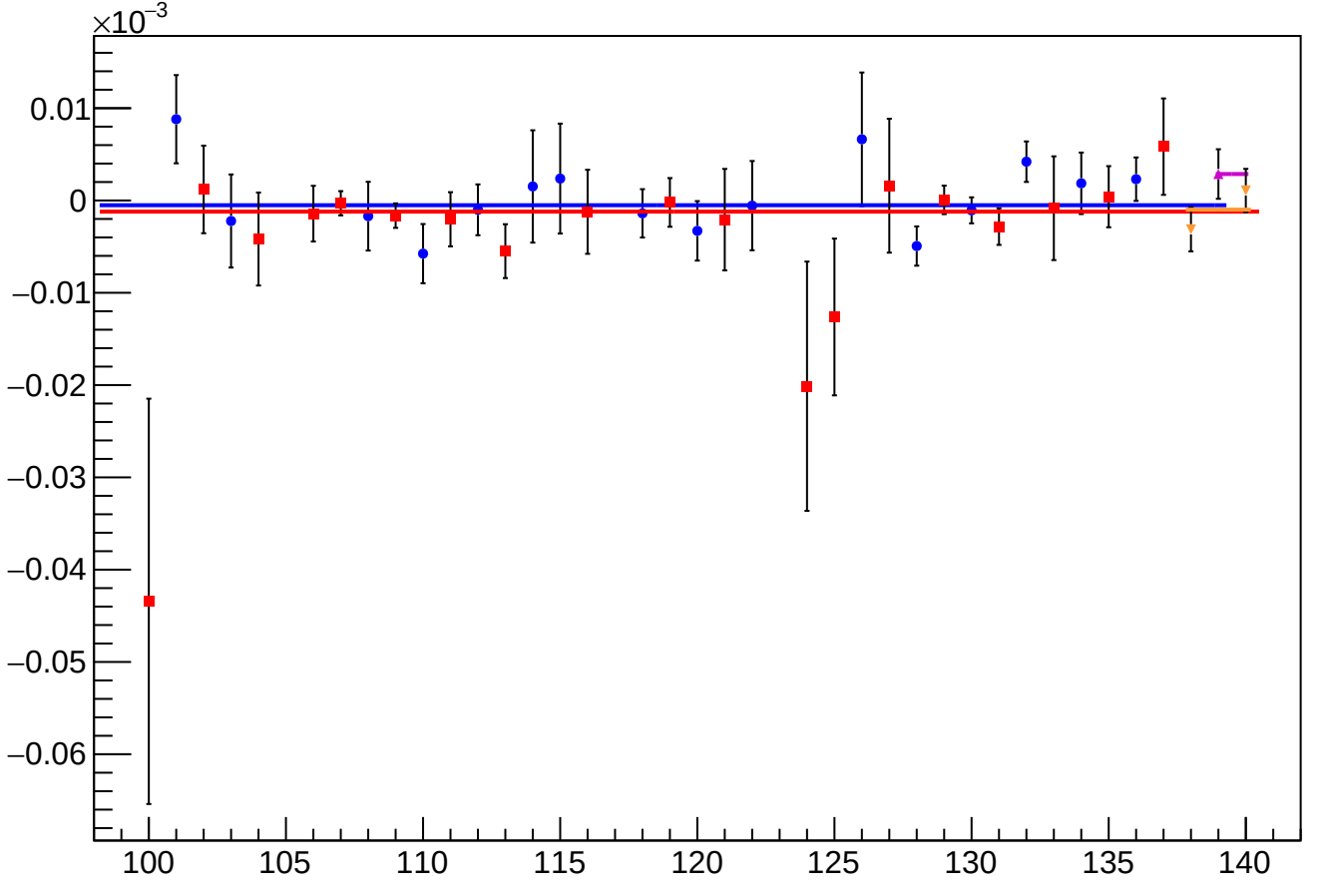
Left: 13.683+/-0.009 χ^2/NDF: 1045442.6/2

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 19.645+/-0.006 χ^2/NDF:4152339.6/16

Out: 28.811+/-0.008 χ^2/NDF:2845120.9/20

All: 23.109+/-0.005 χ^2/NDF: 7788106.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

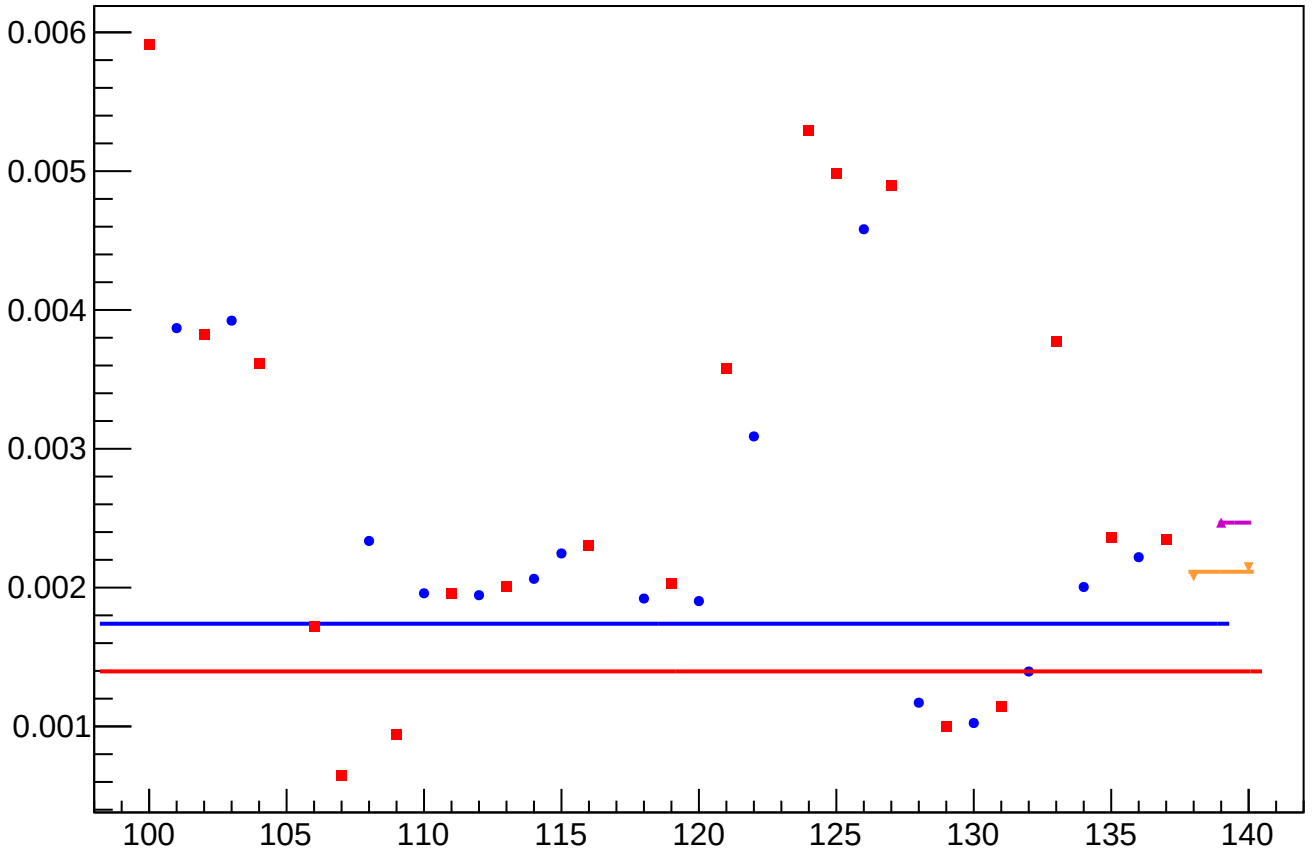
Left: 0.000+/-0.000 χ^2/NDF: 3.1/2

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:21.4/16

Out: -0.000+/-0.000 χ^2/NDF:16.2/20

All: -0.000+/-0.000 χ^2/NDF: 38.6/37



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:774.4/1

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:0.0/0

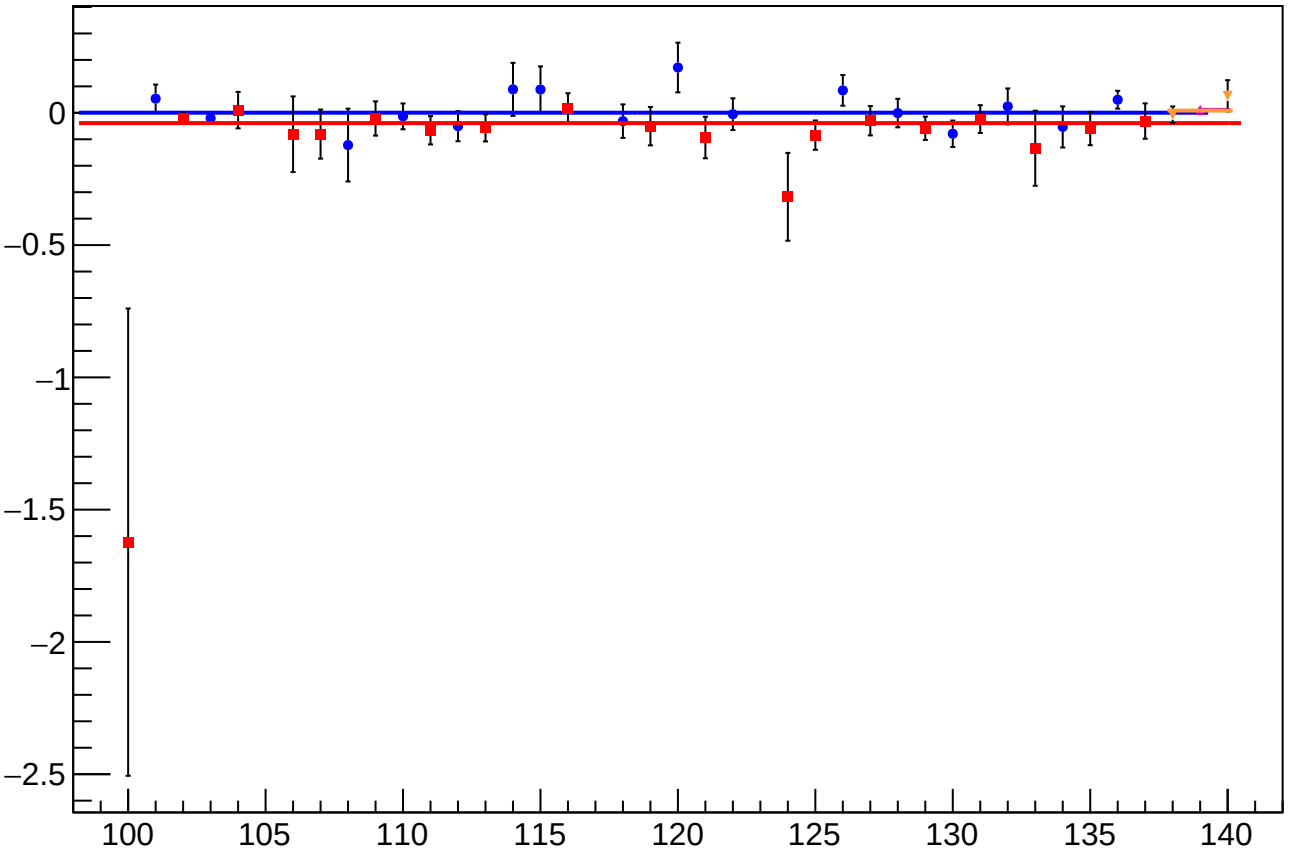
Left: 0.002+/-0.000 χ^2/NDF: 25829.2/2

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2284195.0/16

Out: 0.001+/-0.000 χ^2/NDF:4649134.3/20

All: 0.002+/-0.000 χ^2/NDF: 7166305.1/37



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.028 χ^2/NDF:1.1/1

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.011+/-0.013 χ^2/NDF:0.0/0

Left: 0.011+/-0.012 χ^2/NDF: 1.1/2

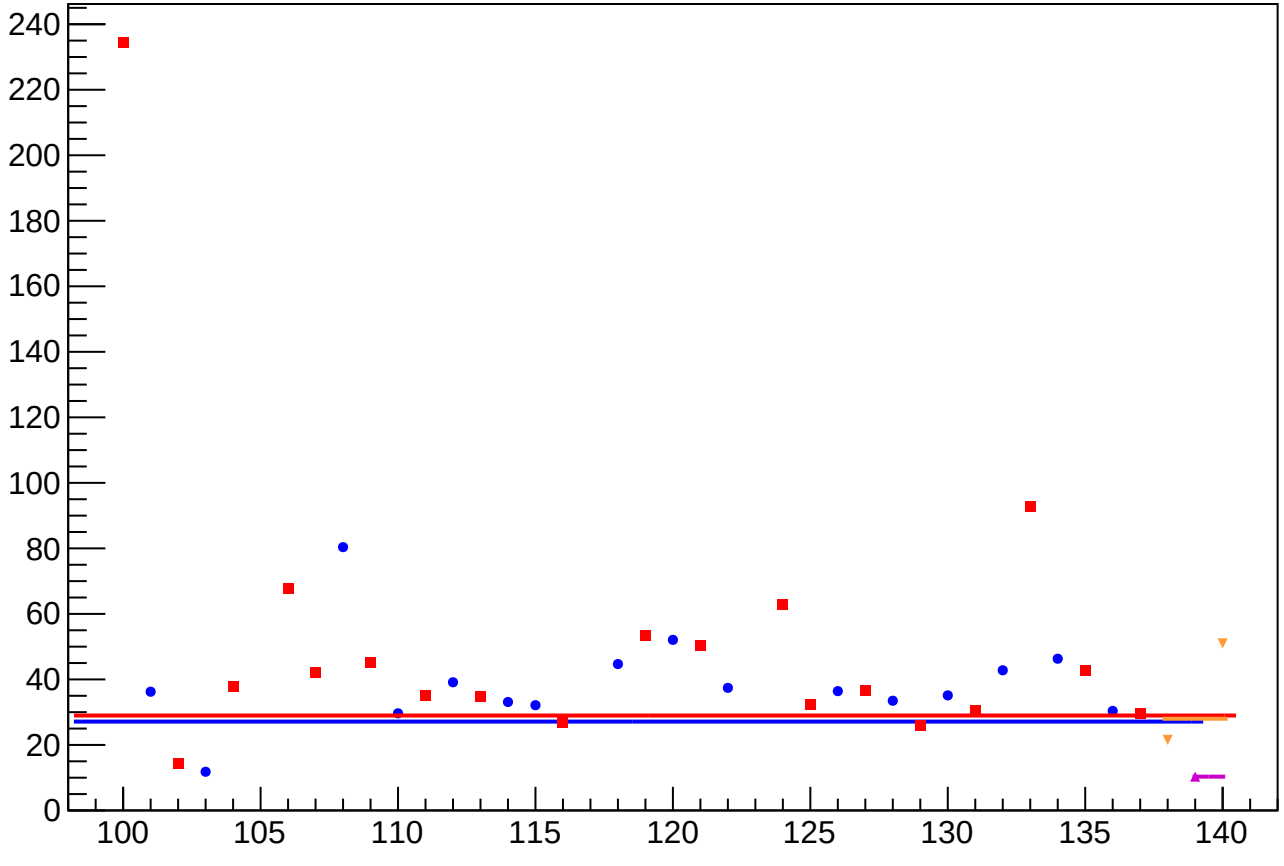
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.005+/-0.009 χ^2/NDF:16.8/16

Out: -0.031+/-0.011 χ^2/NDF:14.6/20

All: -0.008+/-0.007 χ^2/NDF: 37.5/37

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.999+/-0.020 χ^2/NDF:386934.5/1

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 10.322+/-0.009 χ^2/NDF:0.0/0

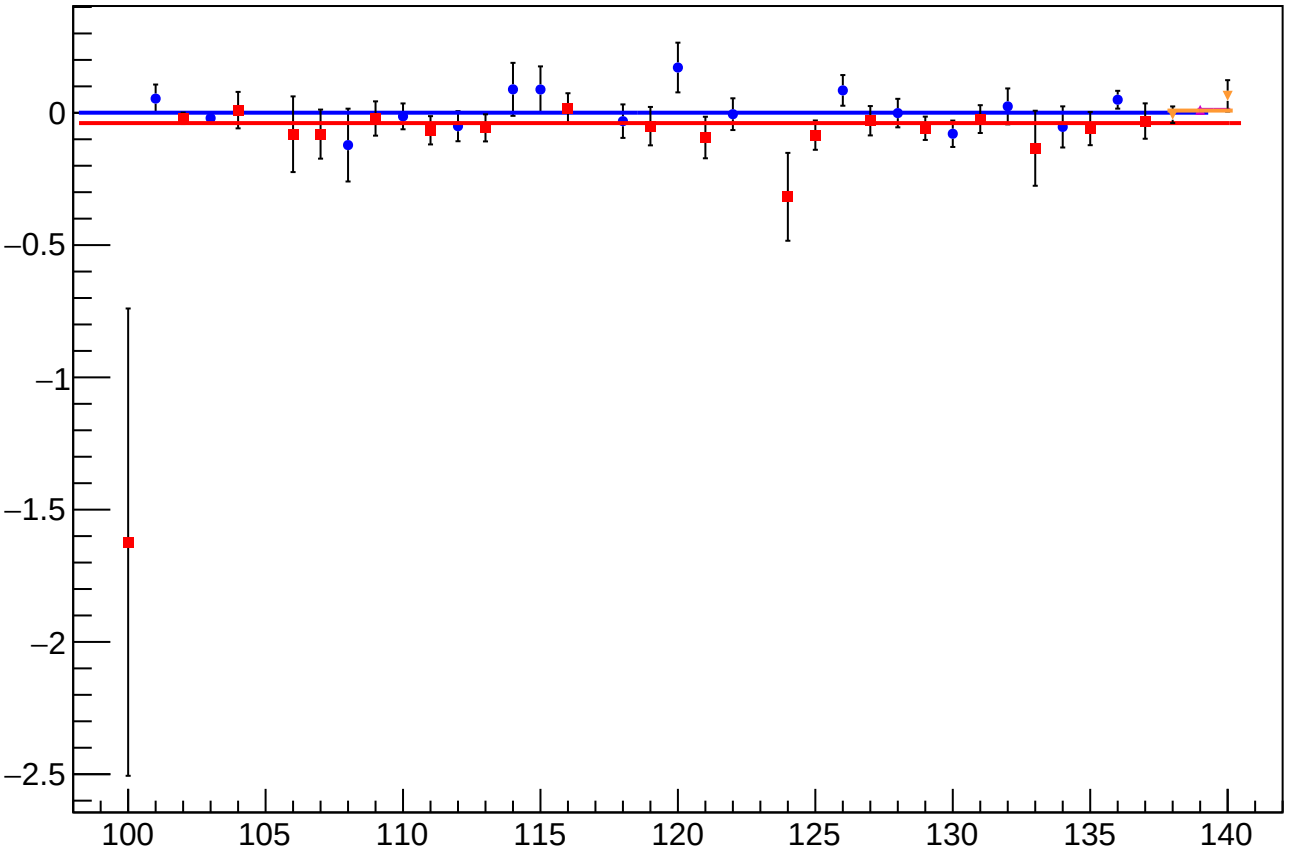
Left: 13.681+/-0.009 χ^2/NDF: 1045476.6/2

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 19.643+/-0.006 χ^2/NDF:4152955.9/16

Out: 28.813+/-0.008 χ^2/NDF:2844671.9/20

All: 23.108+/-0.005 χ^2/NDF: 7788826.2/37



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.028 χ^2/NDF:1.1/1

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.011+/-0.013 χ^2/NDF:0.0/0

Left: 0.011+/-0.012 χ^2/NDF: 1.1/2

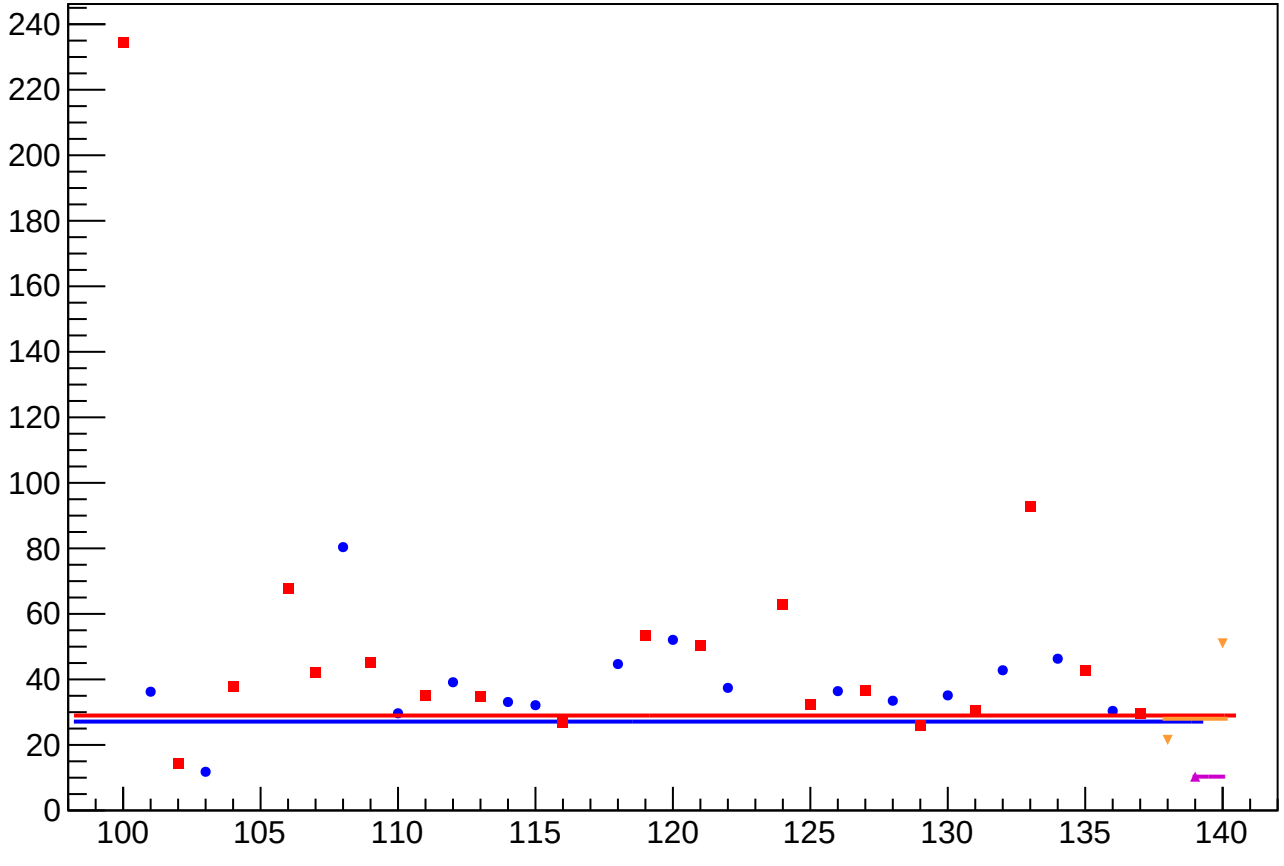
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.005+/-0.009 χ^2/NDF:16.8/16

Out: -0.031+/-0.011 χ^2/NDF:14.6/20

All: -0.008+/-0.007 χ^2/NDF: 37.5/37

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.999+/-0.020 χ^2/NDF:386934.5/1

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 10.322+/-0.009 χ^2/NDF:0.0/0

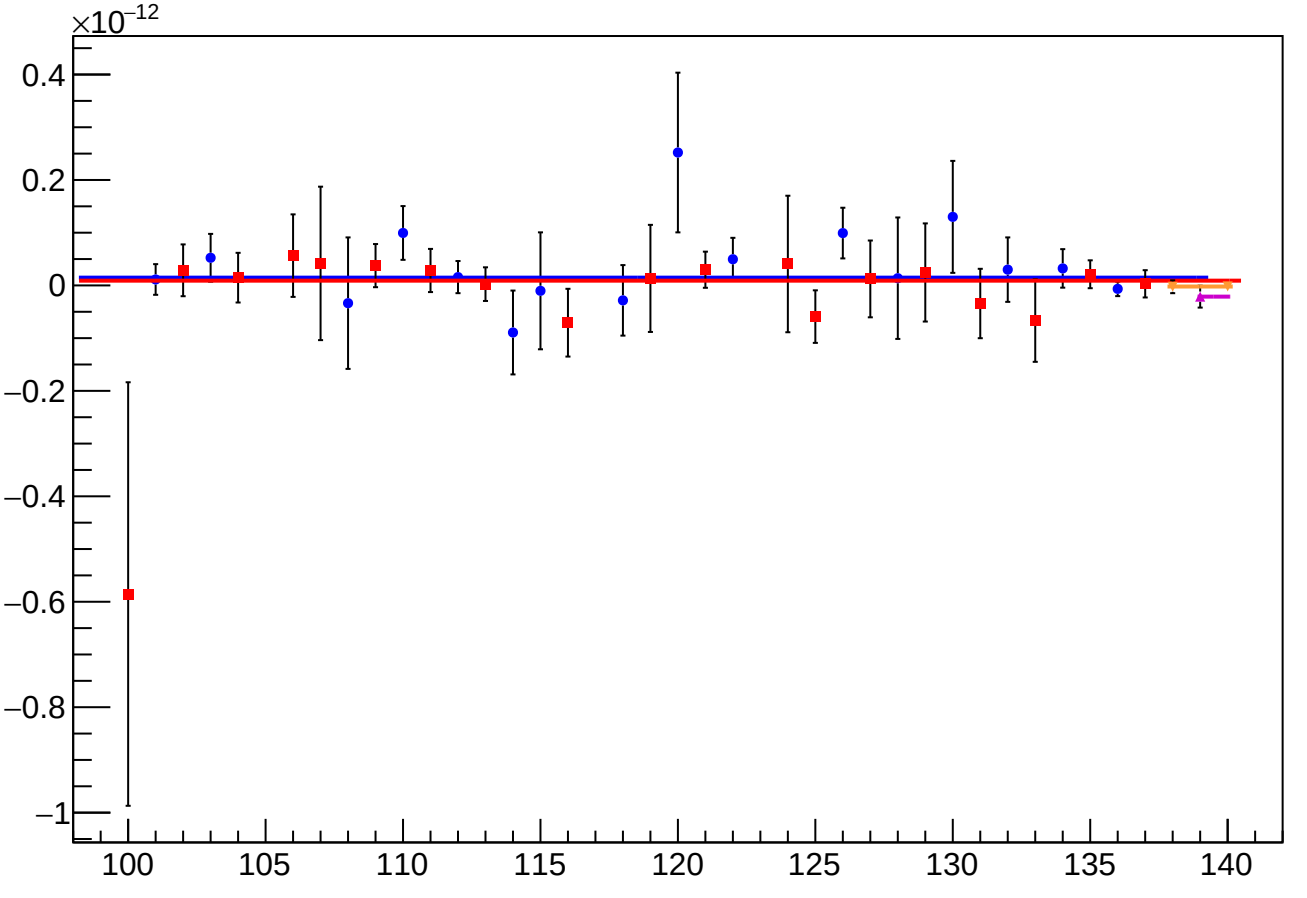
Left: 13.681+/-0.009 χ^2/NDF: 1045476.6/2

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 19.643+/-0.006 χ^2/NDF:4152955.9/16

Out: 28.813+/-0.008 χ^2/NDF:2844671.9/20

All: 23.108+/-0.005 χ^2/NDF: 7788826.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

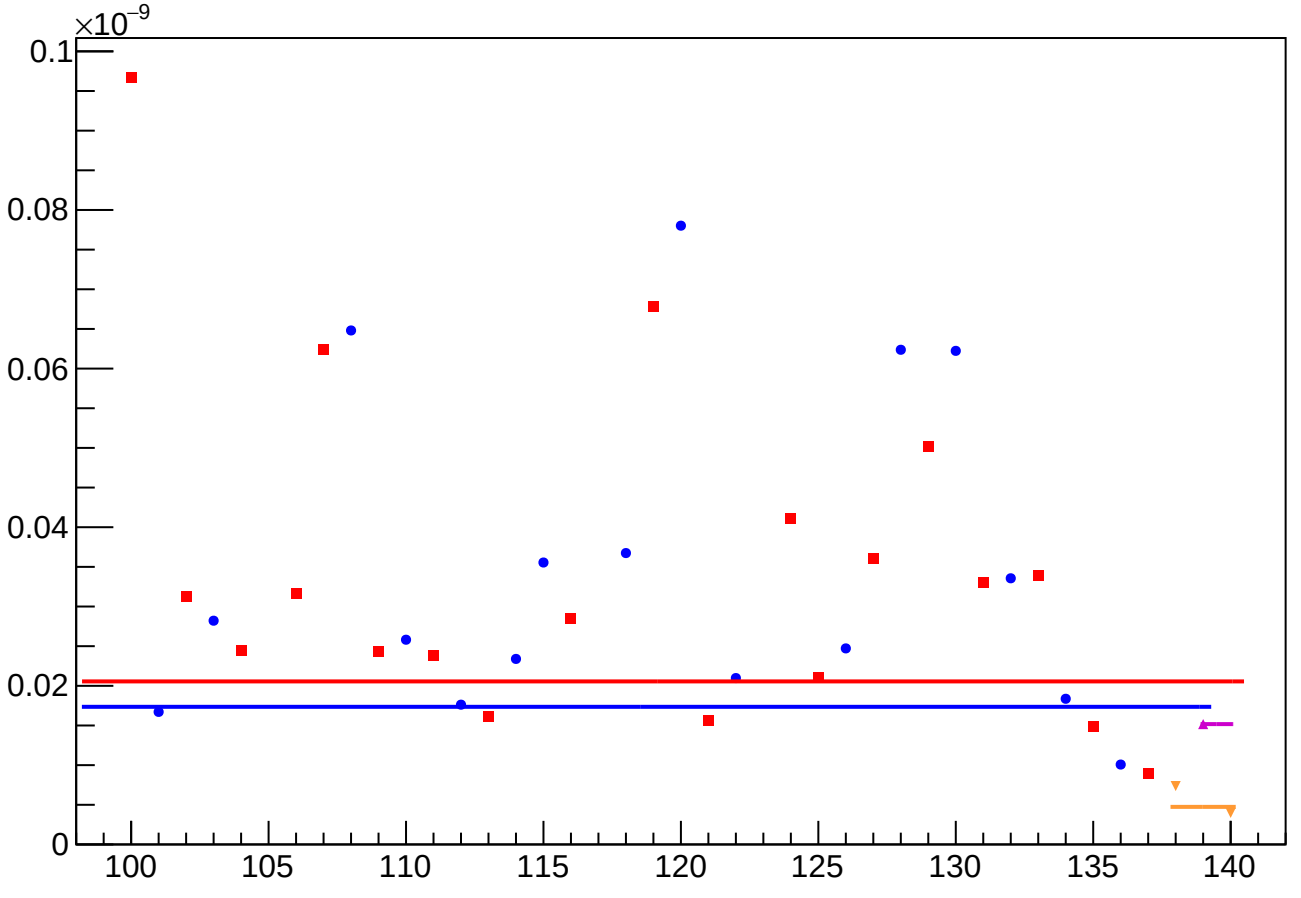
Left: -0.000+/-0.000 χ^2/NDF: 0.8/2

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:18.4/16

Out: 0.000+/-0.000 χ^2/NDF:9.8/20

All: 0.000+/-0.000 χ^2/NDF: 29.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:119755.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 586750.9/2

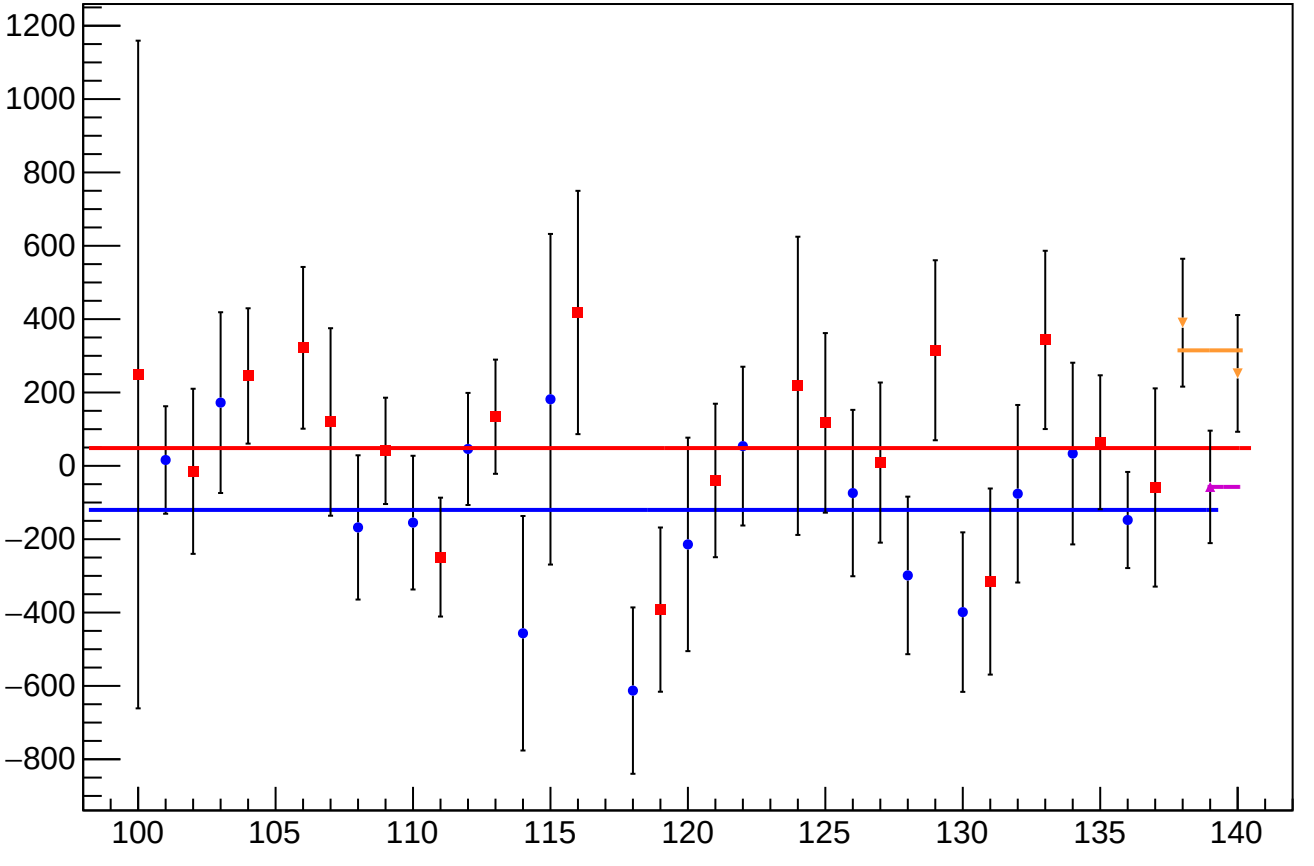
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:2460213.3/16

Out: 0.000+/-0.000 χ^2/NDF:5369595.0/20

All: 0.000+/-0.000 χ^2/NDF: 9357348.7/37

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 314.890+/-117.540 χ^2/NDF:0.3/1

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: -57.400+/-153.318 χ^2/NDF:0.0/0

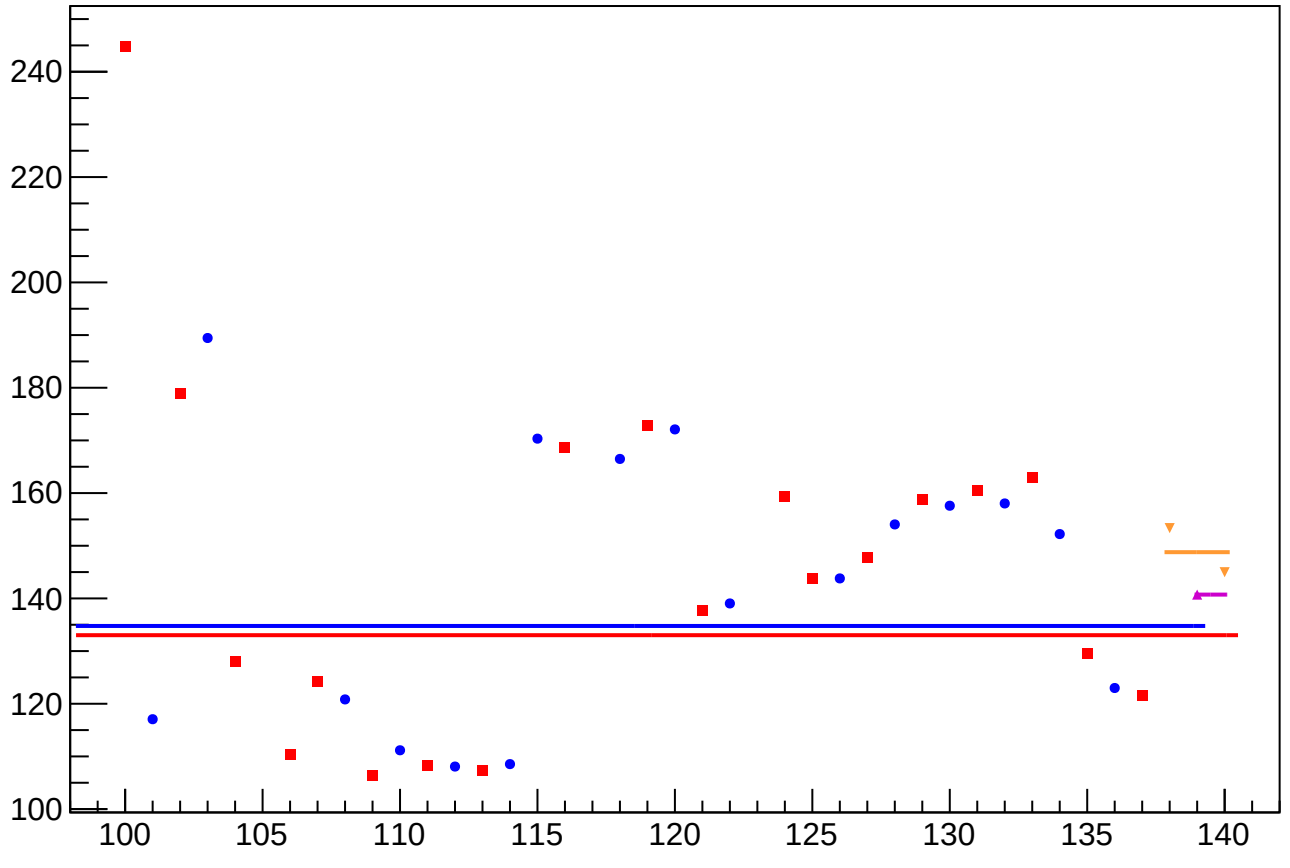
Left: 177.078+/-93.281 χ^2/NDF: 4.1/2

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -113.883+/-48.481 χ^2/NDF:13.6/16

Out: 89.150+/-45.940 χ^2/NDF:21.7/20

All: -6.906+/-33.347 χ^2/NDF: 44.5/37



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 148.781+/-0.083 χ^2/NDF:2516.5/1

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 140.725+/-0.108 χ^2/NDF:0.0/0

Left: 145.799+/-0.066 χ^2/NDF: 5994.3/2

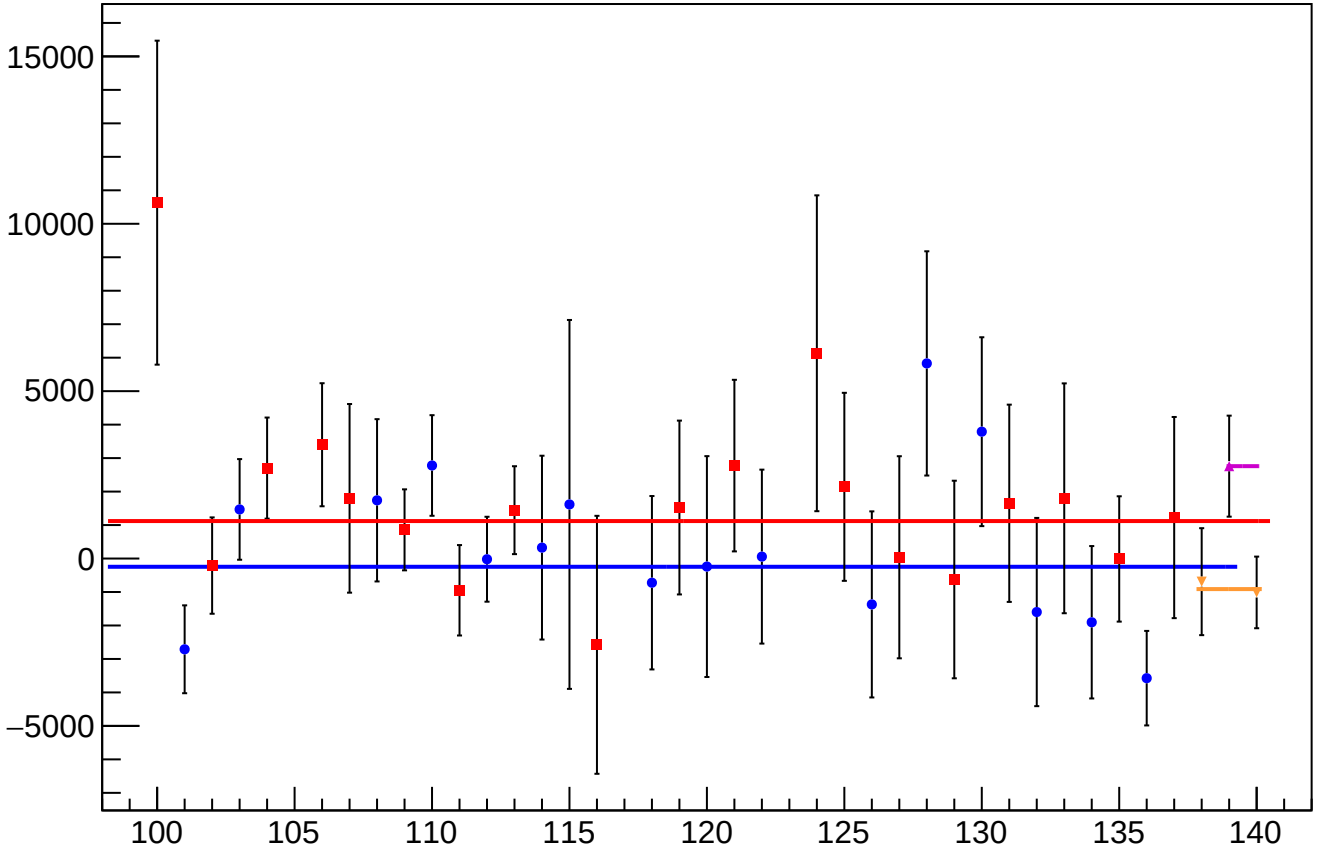
Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 135.367+/-0.034 χ^2/NDF:419493.4/16

Out: 135.427+/-0.032 χ^2/NDF:528704.3/20

All: 135.398+/-0.024 χ^2/NDF: 948199.3/37

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -912.900+/-889.033 χ^2/NDF:0.0/1

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 2759.573+/-1508.884 χ^2/NDF:0.0/0

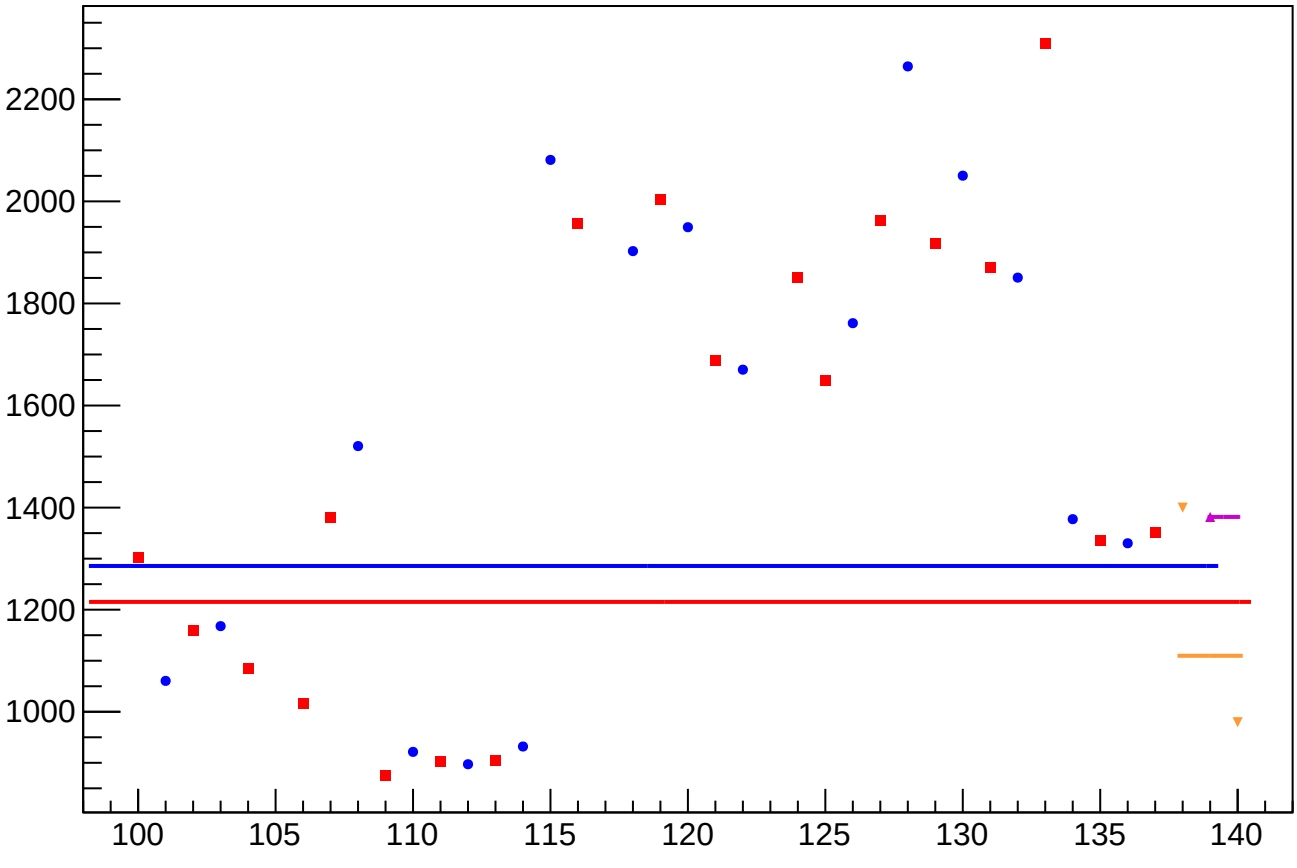
Left: 33.479+/-765.965 χ^2/NDF: 4.4/2

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 52.572+/-475.829 χ^2/NDF:25.2/16

Out: 677.850+/-414.402 χ^2/NDF:17.5/20

All: 408.152+/-312.502 χ^2/NDF: 43.7/37



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1109.683+/-0.629 χ^2/NDF:95596.5/1

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1381.739+/-1.067 χ^2/NDF:0.0/0

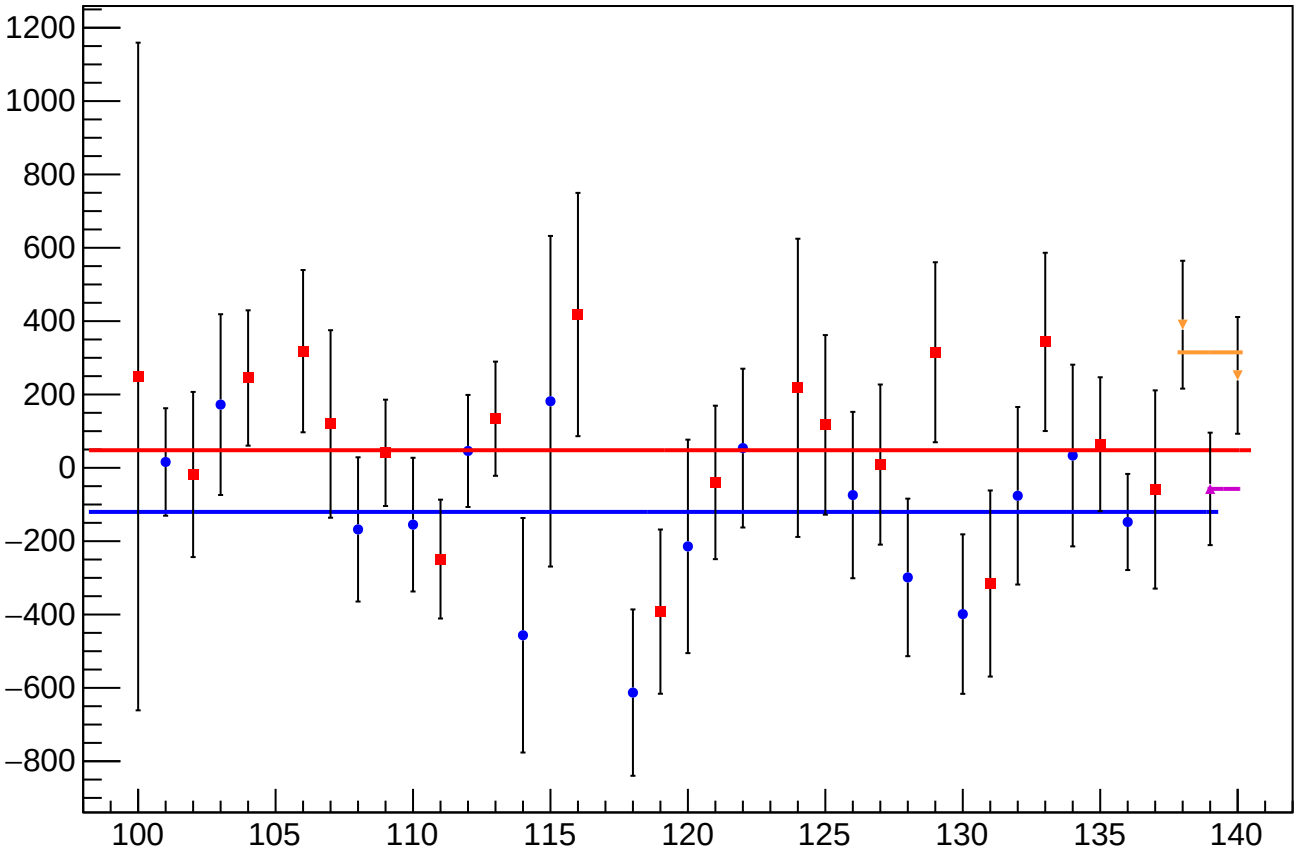
Left: 1179.790+/-0.542 χ^2/NDF: 143860.2/2

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1295.222+/-0.336 χ^2/NDF:1177739.0/16

Out: 1192.303+/-0.293 χ^2/NDF:1503954.6/20

All: 1236.695+/-0.221 χ^2/NDF: 2734902.6/37



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 314.912+/-117.540 χ^2/NDF:0.3/1

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: -57.396+/-153.318 χ^2/NDF:0.0/0

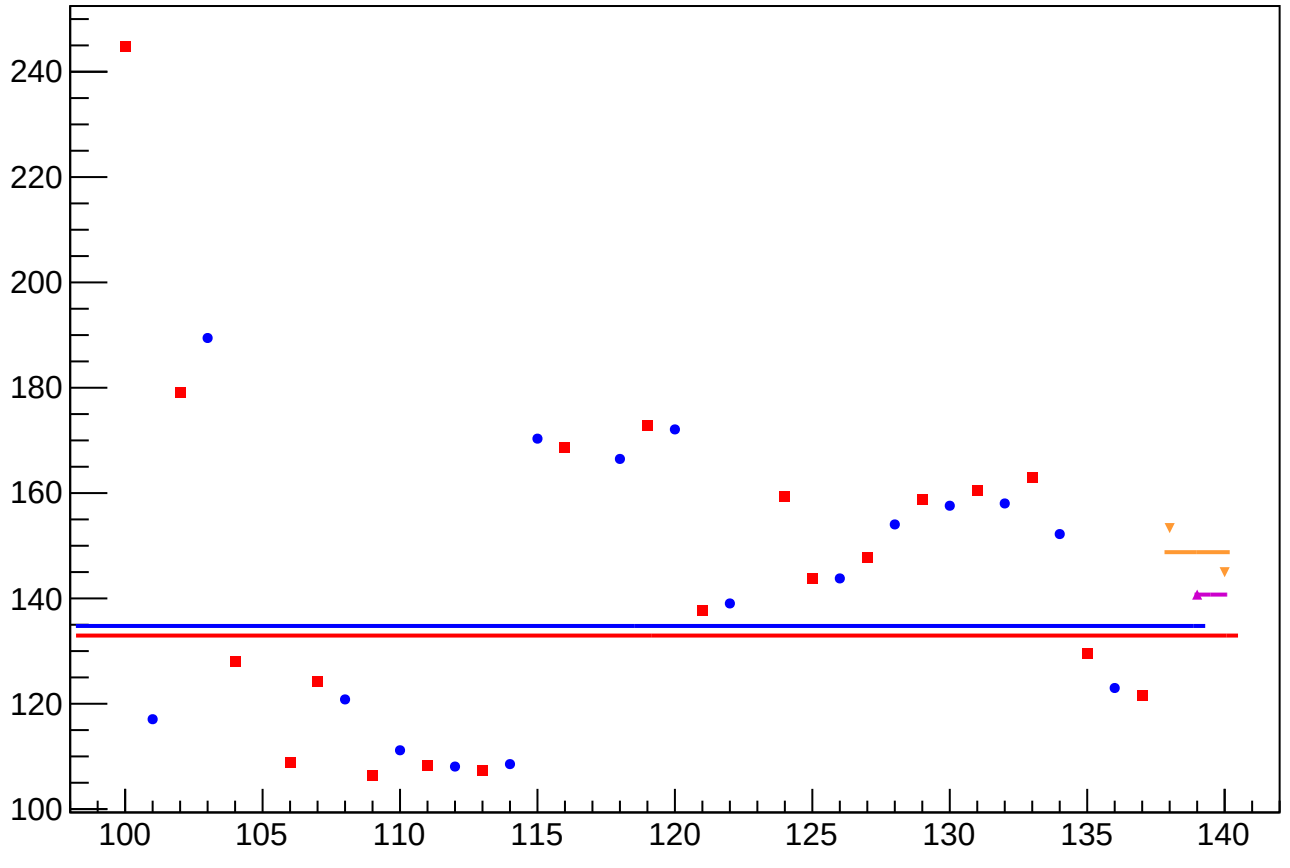
Left: 177.093+/-93.281 χ^2/NDF: 4.1/2

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -113.892+/-48.481 χ^2/NDF:13.6/16

Out: 88.797+/-45.947 χ^2/NDF:21.7/20

All: -7.112+/-33.349 χ^2/NDF: 44.4/37



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 148.781+/-0.083 χ^2/NDF:2516.5/1

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 140.725+/-0.108 χ^2/NDF:0.0/0

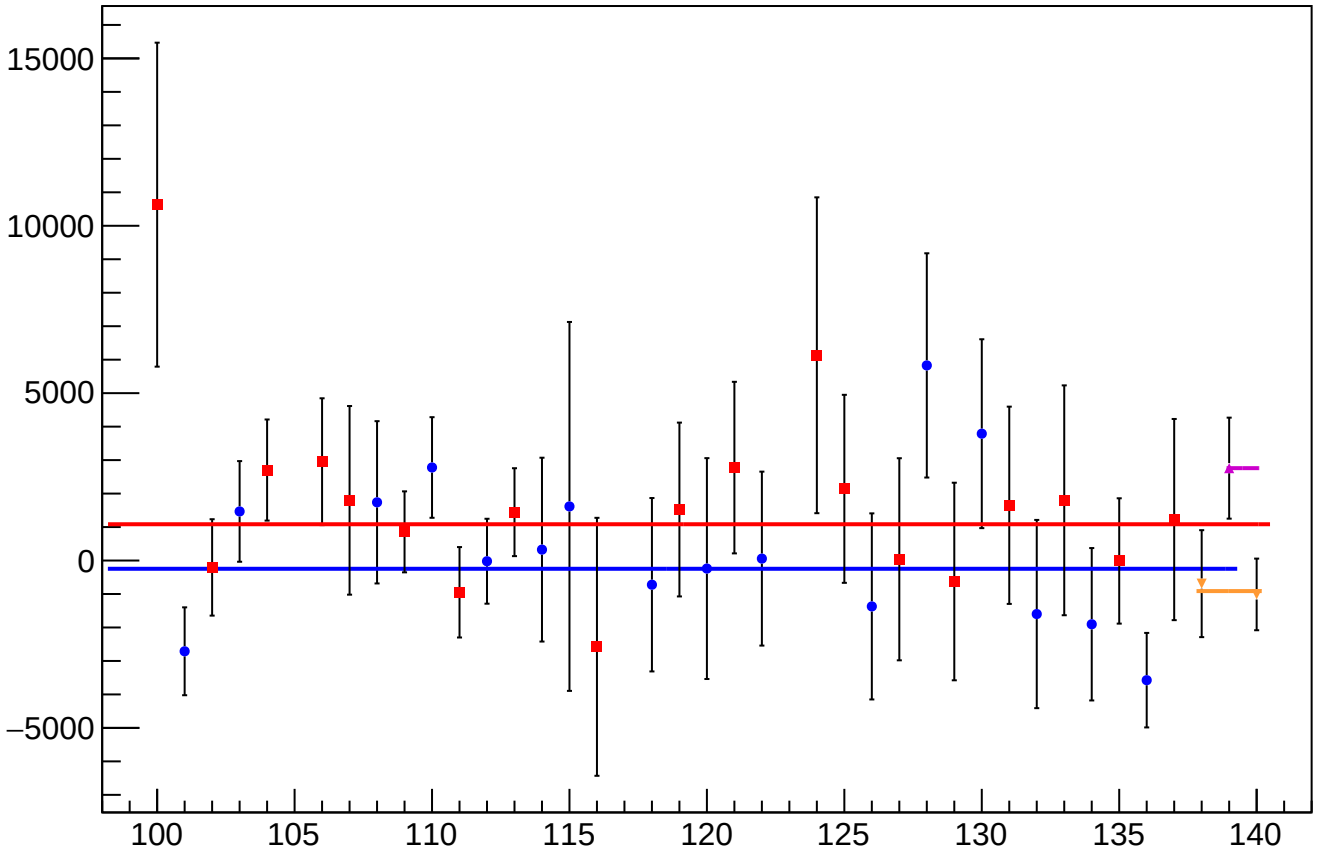
Left: 145.799+/-0.066 χ^2/NDF: 5994.3/2

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 135.367+/-0.034 χ^2/NDF:419496.4/16

Out: 135.367+/-0.032 χ^2/NDF:532116.6/20

All: 135.367+/-0.024 χ^2/NDF: 951613.0/37



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -912.883+/-889.032 χ^2/NDF:0.0/1

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 2759.580+/-1508.882 χ^2/NDF:0.0/0

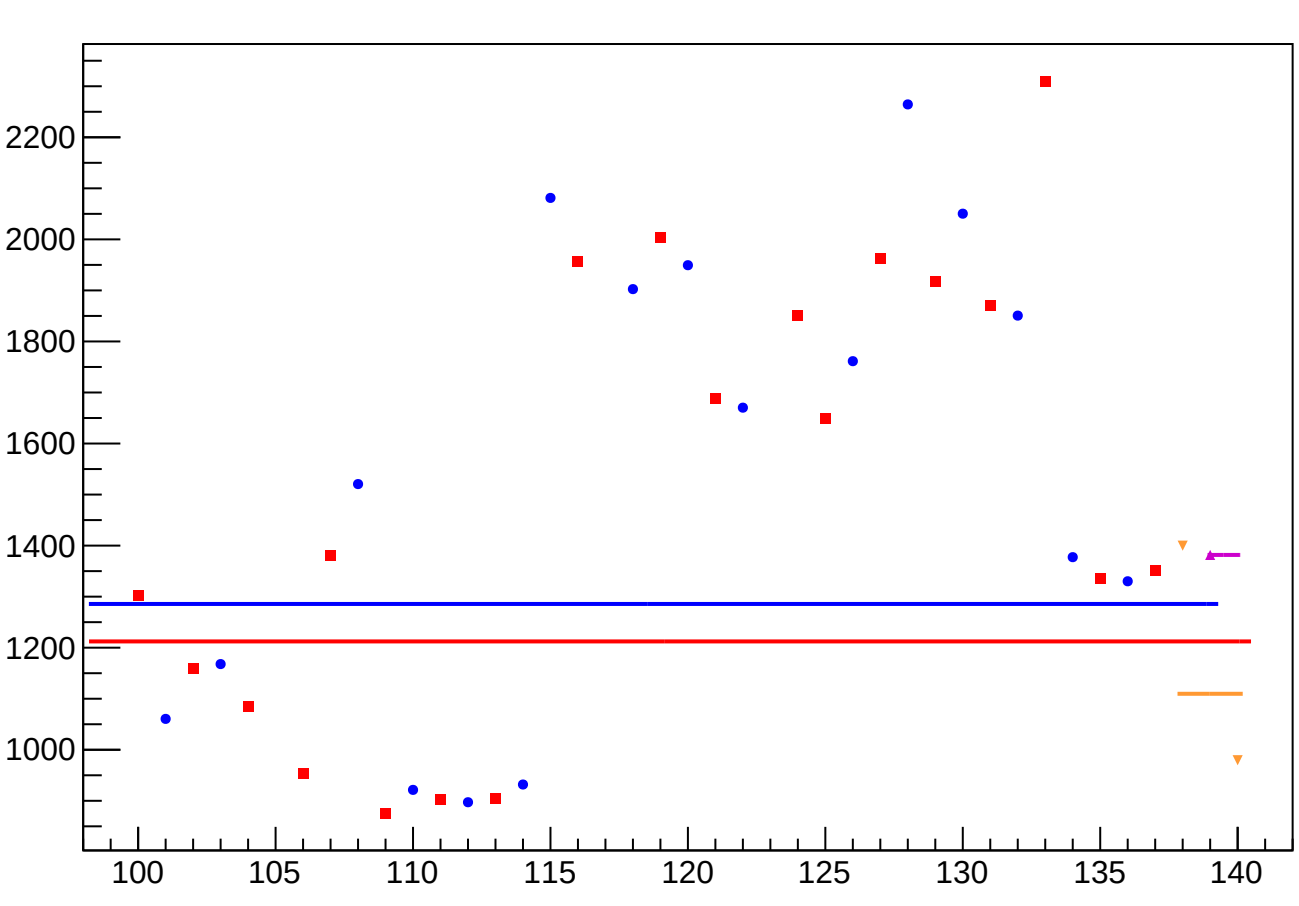
Left: 33.494+/-765.965 χ^2/NDF: 4.4/2

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 52.515+/-475.833 χ^2/NDF:25.2/16

Out: 648.864+/-415.041 χ^2/NDF:16.8/20

All: 391.194+/-312.777 χ^2/NDF: 42.8/37



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1109.682+/-0.629 χ^2/NDF:95596.4/1

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1381.738+/-1.067 χ^2/NDF:0.0/0

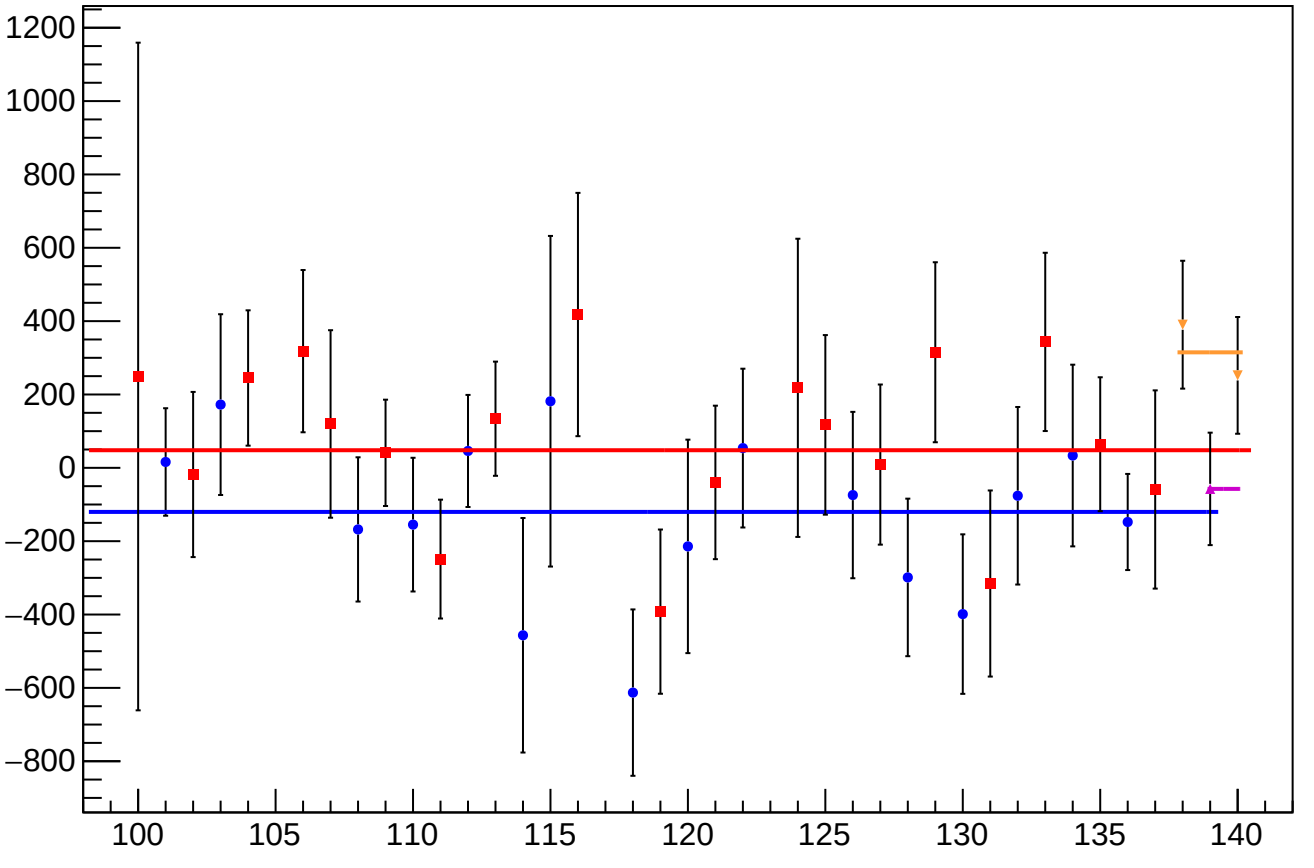
Left: 1179.789+/-0.542 χ^2/NDF: 143860.1/2

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1295.234+/-0.336 χ^2/NDF:1177711.8/16

Out: 1189.916+/-0.293 χ^2/NDF:1517061.3/20

All: 1235.422+/-0.221 χ^2/NDF: 2750417.3/37



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 314.912+/-117.540 χ^2/NDF:0.3/1

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: -57.396+/-153.318 χ^2/NDF:0.0/0

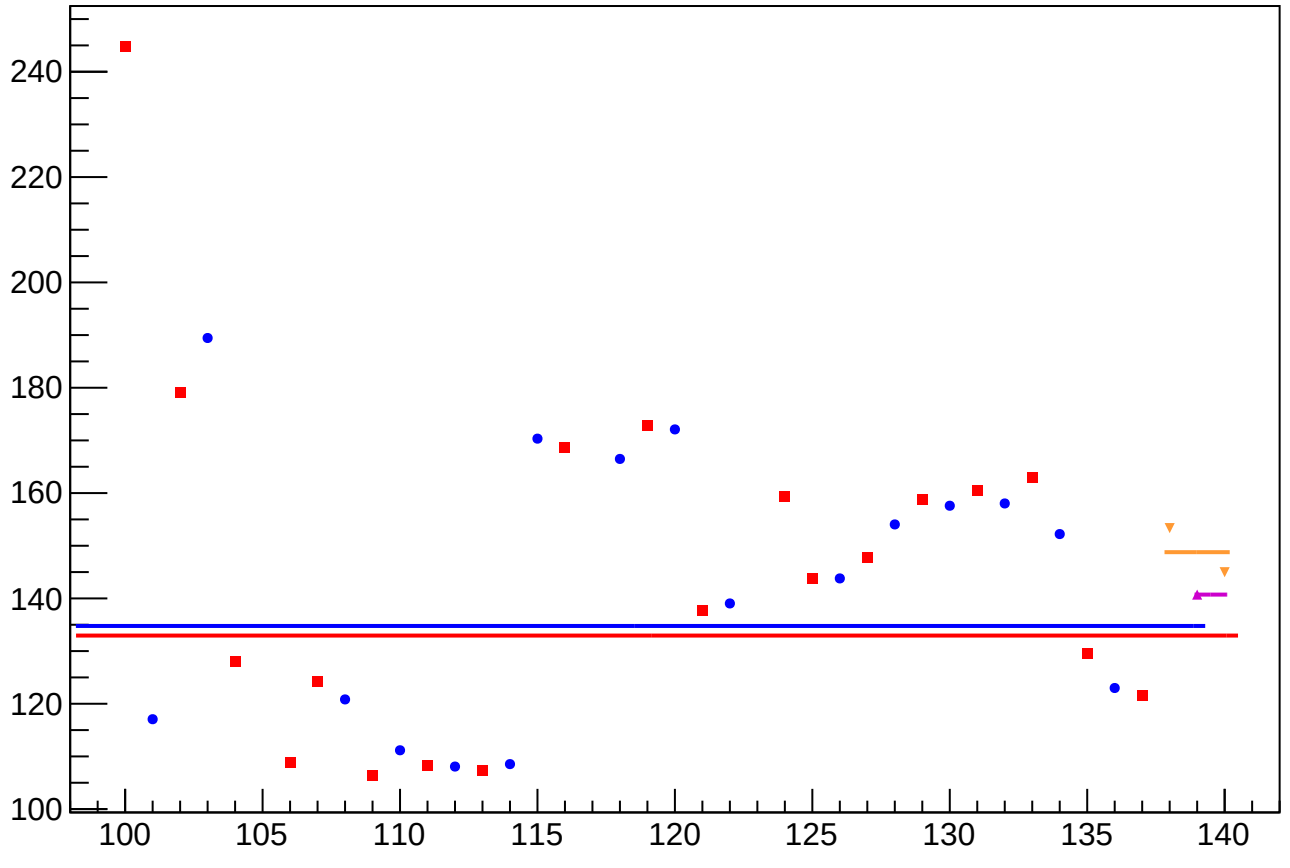
Left: 177.093+/-93.281 χ^2/NDF: 4.1/2

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -113.892+/-48.481 χ^2/NDF:13.6/16

Out: 88.797+/-45.947 χ^2/NDF:21.7/20

All: -7.112+/-33.349 χ^2/NDF: 44.4/37



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 148.781+/-0.083 χ^2/NDF:2516.5/1

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 140.725+/-0.108 χ^2/NDF:0.0/0

Left: 145.799+/-0.066 χ^2/NDF: 5994.3/2

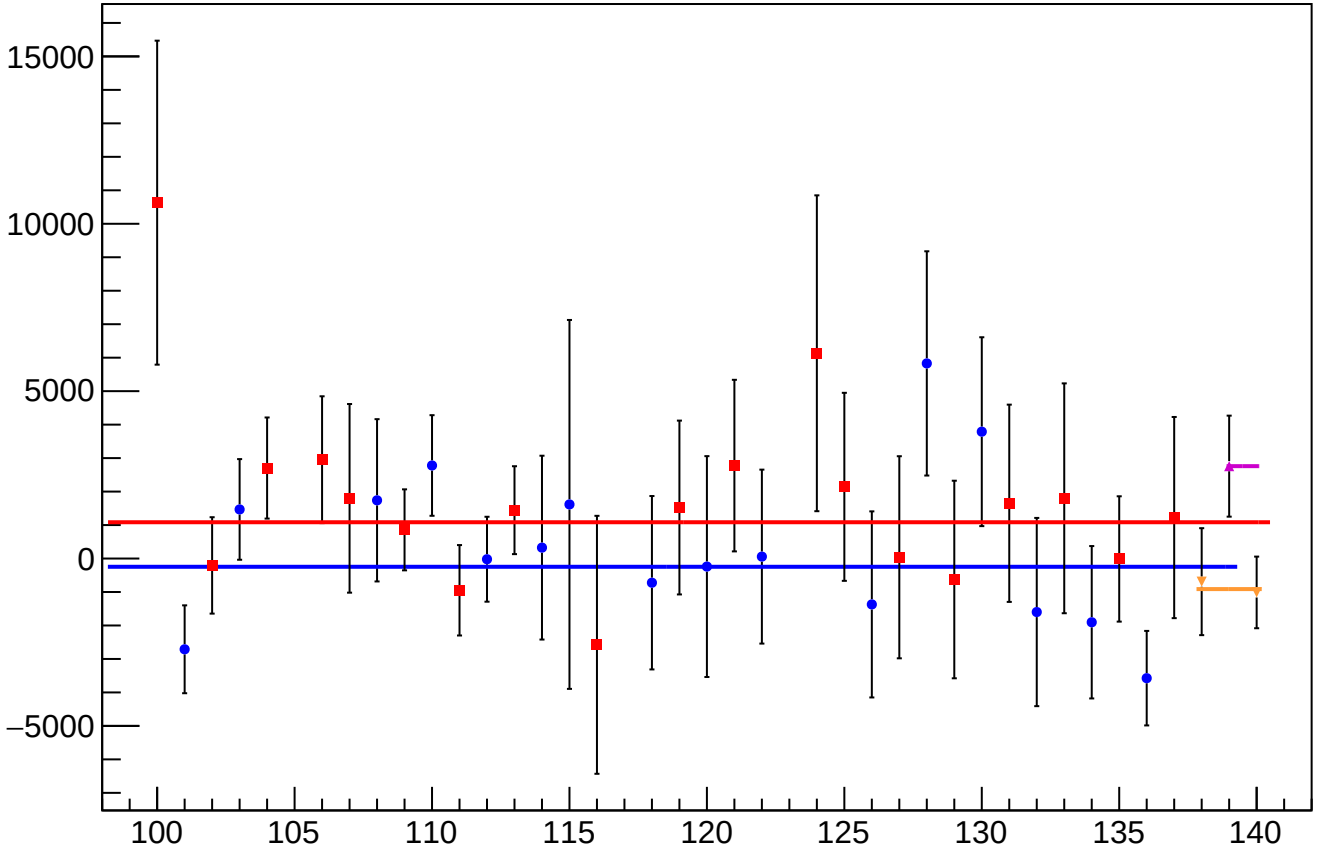
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 135.367+/-0.034 χ^2/NDF:419496.4/16

Out: 135.367+/-0.032 χ^2/NDF:532116.6/20

All: 135.367+/-0.024 χ^2/NDF: 951613.0/37

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -912.883+/-889.032 χ^2/NDF:0.0/1

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 2759.580+/-1508.882 χ^2/NDF:0.0/0

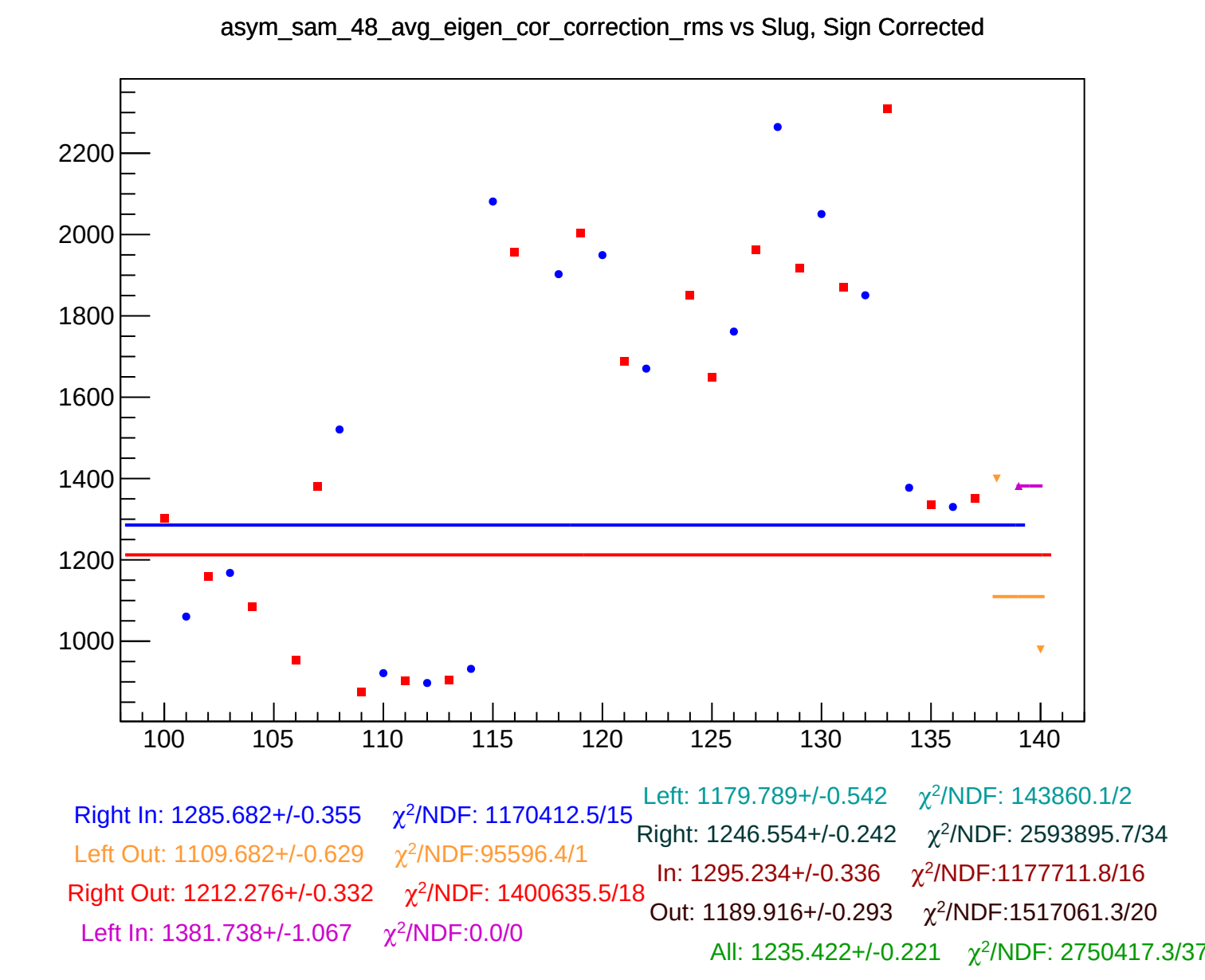
Left: 33.494+/-765.965 χ^2/NDF: 4.4/2

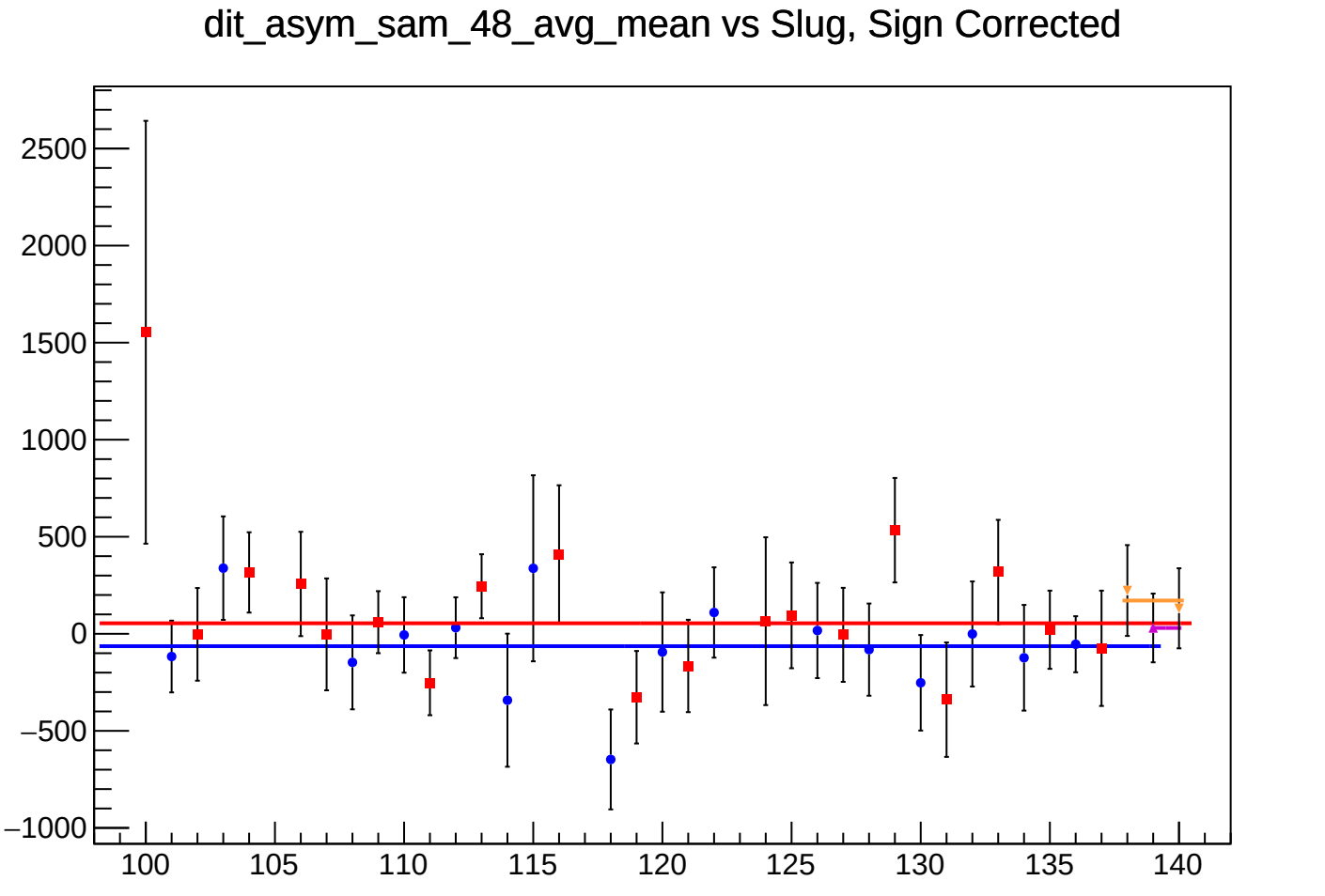
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 52.515+/-475.833 χ^2/NDF:25.2/16

Out: 648.864+/-415.041 χ^2/NDF:16.8/20

All: 391.194+/-312.777 χ^2/NDF: 42.8/37


asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
100
105
110
115
120
125
130
135
140
Right In: 1285.682+/-0.355 χ²/NDF: 1170412.5/15
Left Out: 1109.682+/-0.629 χ²/NDF:95596.4/1
Right Out: 1212.276+/-0.332 χ²/NDF: 1400635.5/18
Left In: 1381.738+/-1.067 χ²/NDF:0.0/0
Left: 1179.789+/-0.542 χ²/NDF: 143860.1/2
Right: 1246.554+/-0.242 χ²/NDF: 2593895.7/34
In: 1295.234+/-0.336 χ²/NDF:1177711.8/16
Out: 1189.916+/-0.293 χ²/NDF:1517061.3/20
All: 1235.422+/-0.221 χ²/NDF: 2750417.3/37



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 171.394+/-154.707 χ^2/NDF:0.1/1

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 30.097+/-177.050 χ^2/NDF:0.0/0

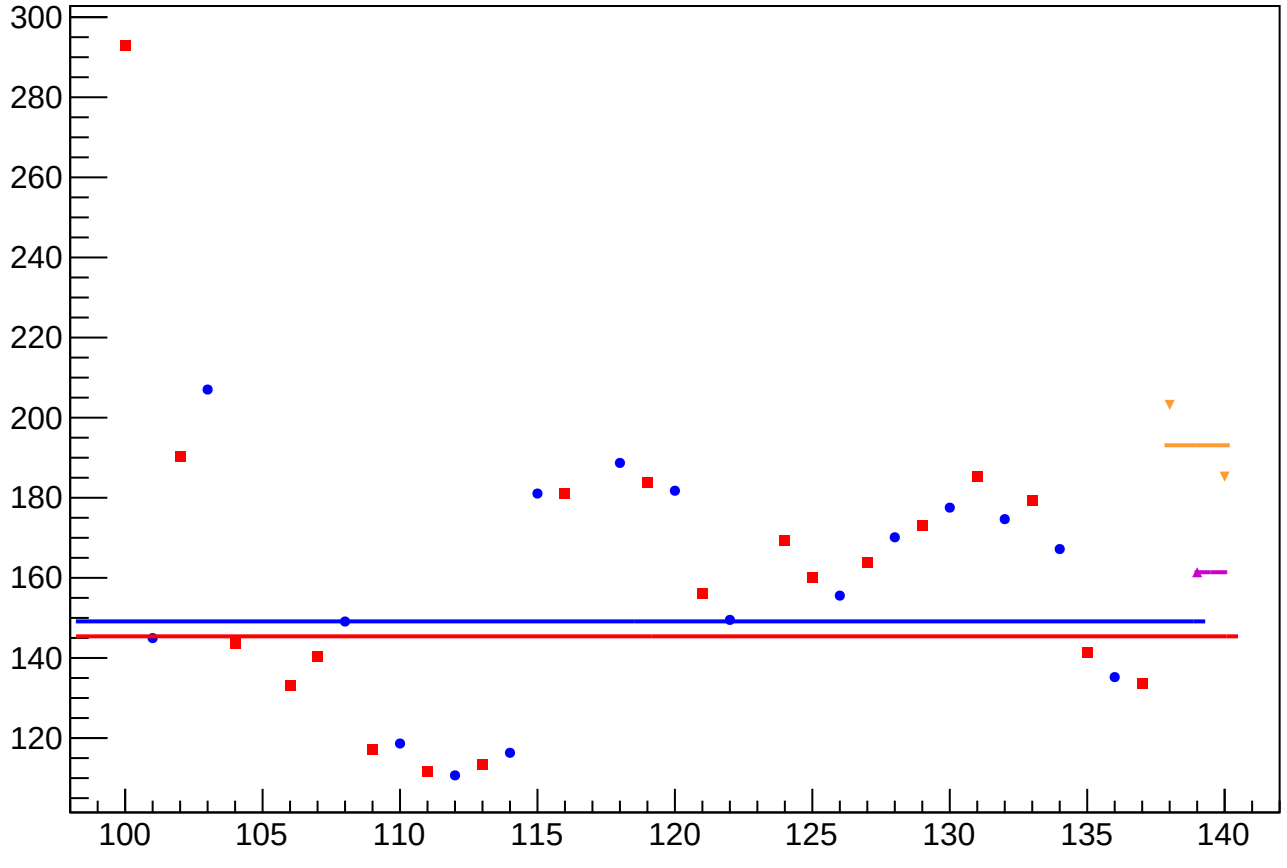
Left: 110.218+/-116.498 χ^2/NDF: 0.4/2

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: -55.039+/-54.028 χ^2/NDF:11.1/16

Out: 67.334+/-51.607 χ^2/NDF:20.1/20

All: 8.950+/-37.318 χ^2/NDF: 33.9/37



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 193.105+/-0.109 χ^2/NDF:6589.0/1

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 161.406+/-0.125 χ^2/NDF:0.0/0

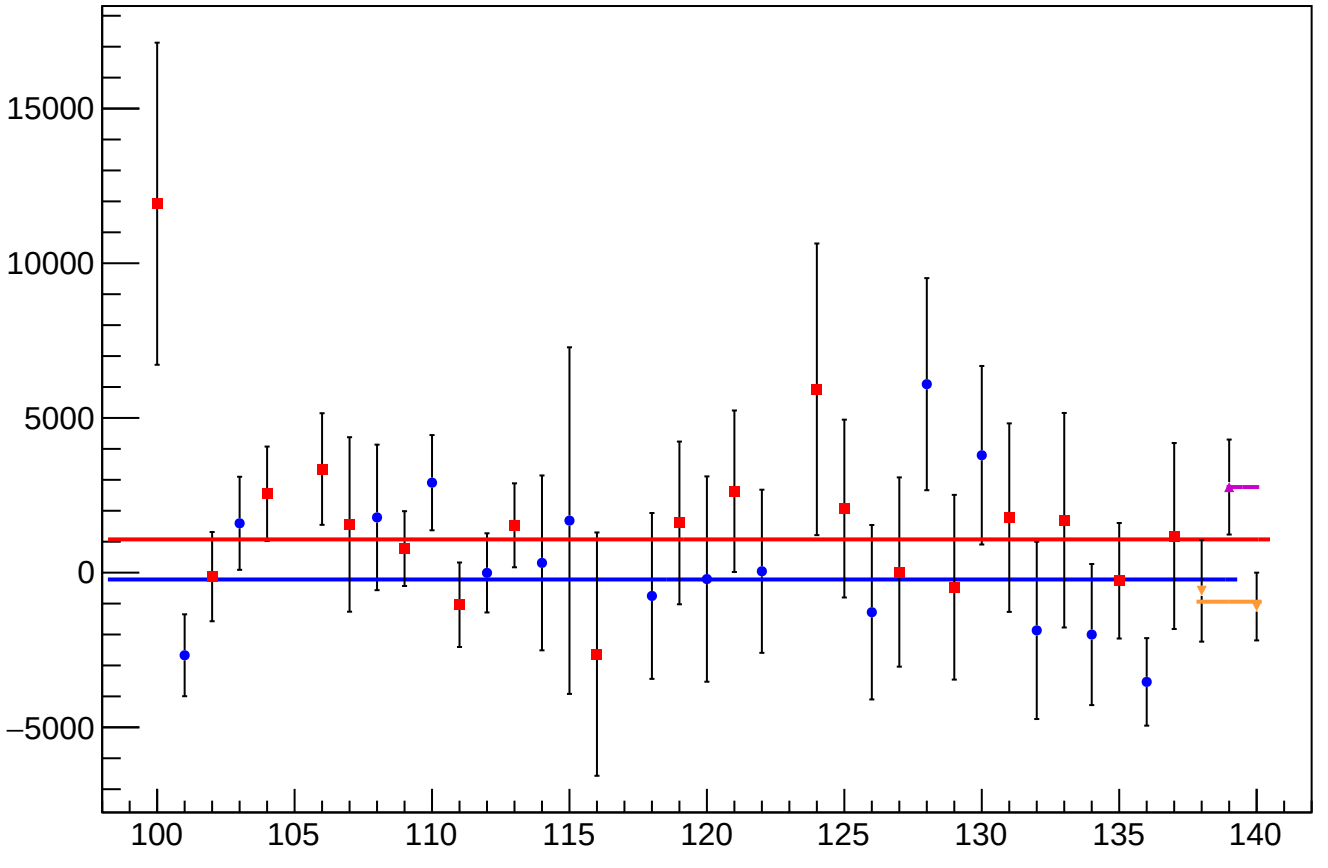
Left: 179.381+/-0.082 χ^2/NDF: 42943.1/2

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 150.273+/-0.038 χ^2/NDF:459722.8/16

Out: 150.708+/-0.036 χ^2/NDF:701423.5/20

All: 150.500+/-0.026 χ^2/NDF: 1161213.9/37



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -939.418+/-911.113 χ^2/NDF:0.1/1

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 2766.370+/-1535.259 χ^2/NDF:0.0/0

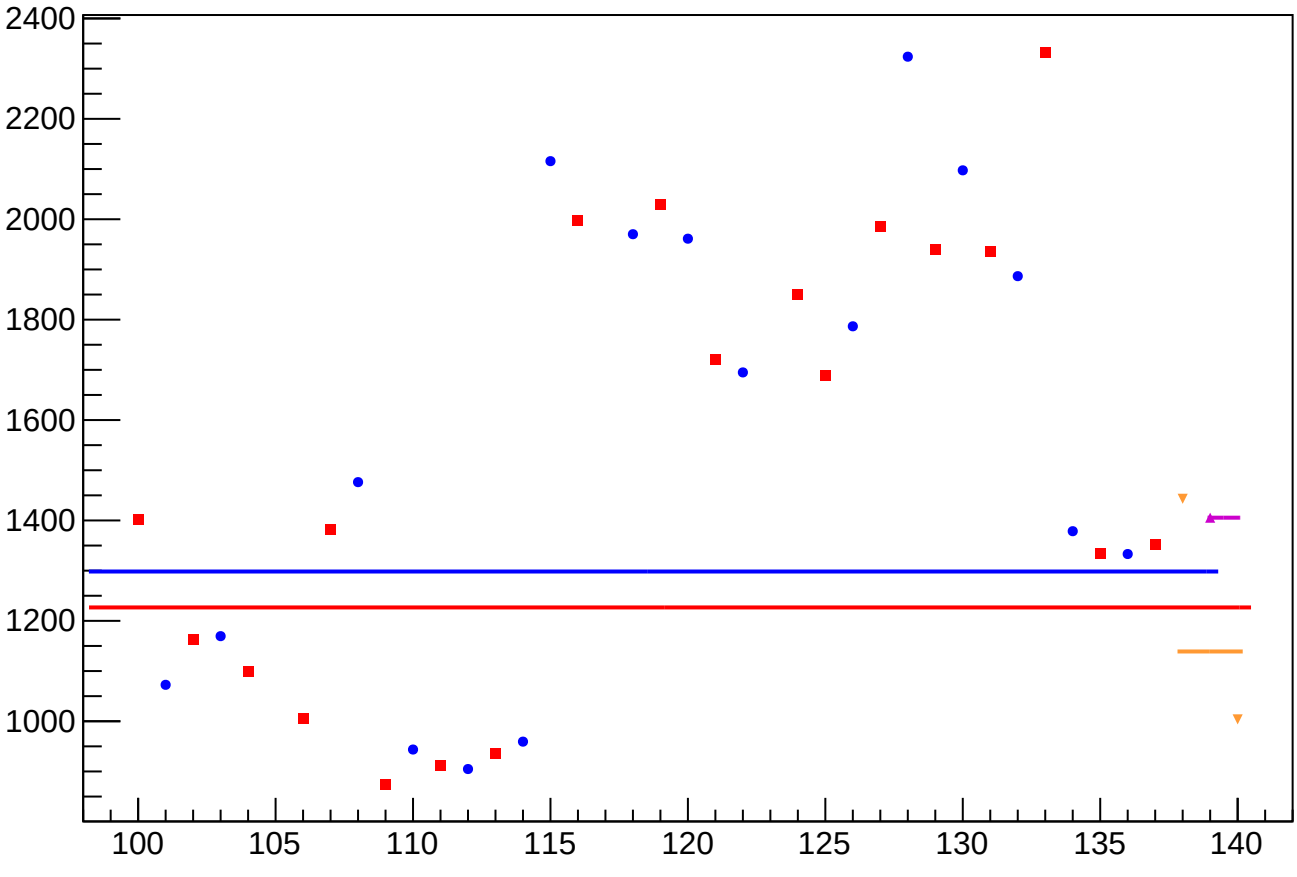
Left: 25.794+/-783.525 χ^2/NDF: 4.4/2

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 71.706+/-480.744 χ^2/NDF:25.3/16

Out: 647.163+/-419.672 χ^2/NDF:17.5/20

All: 398.287+/-316.154 χ^2/NDF: 43.6/37



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1138.989+/-0.644 χ^2/NDF:99122.8/1

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1405.510+/-1.086 χ^2/NDF:0.0/0

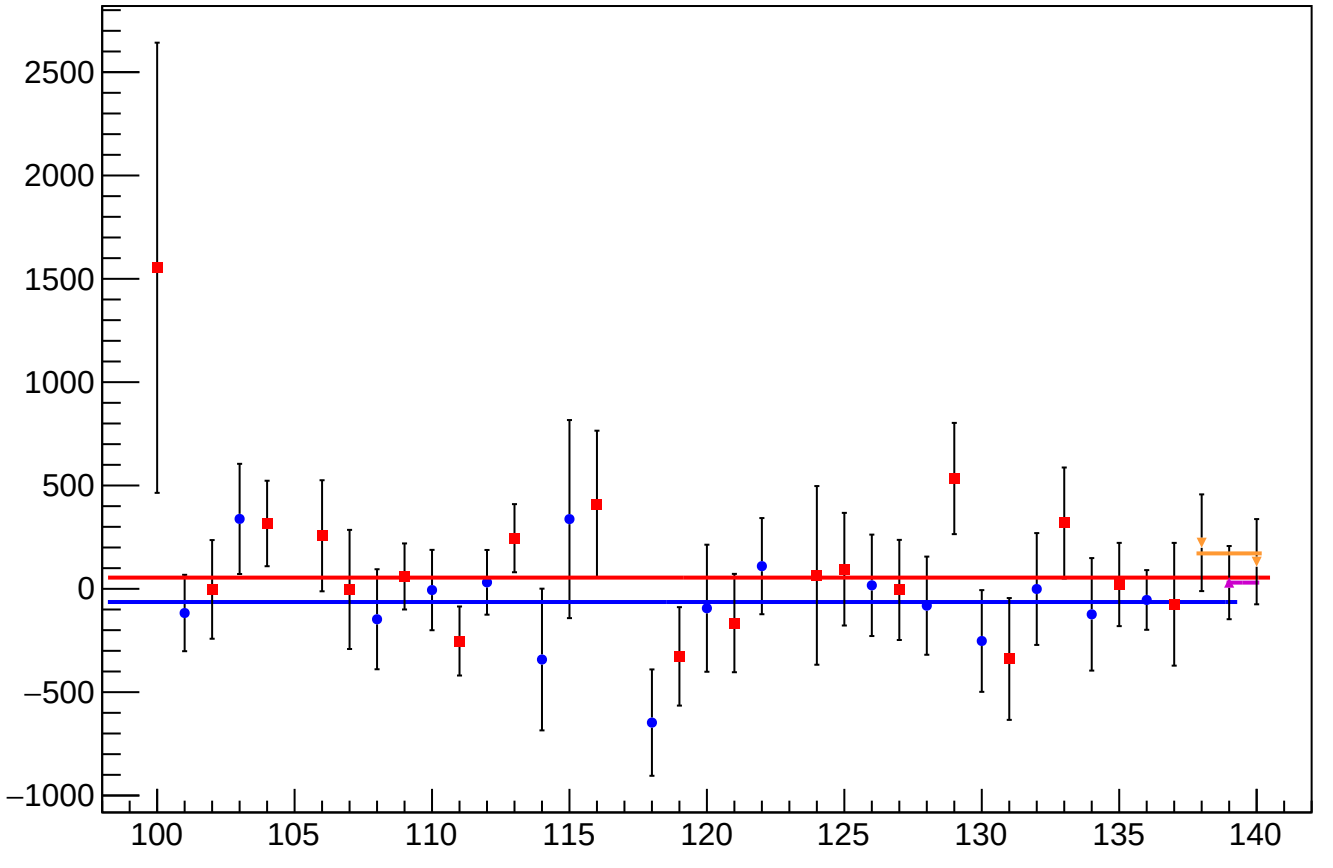
Left: 1208.407+/-0.554 χ^2/NDF: 143697.6/2

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1308.806+/-0.340 χ^2/NDF:1190920.7/16

Out: 1208.113+/-0.297 χ^2/NDF:1518256.5/20

All: 1251.661+/-0.224 χ^2/NDF: 2758971.4/37



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 171.398+/-154.707 χ^2/NDF:0.1/1

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 30.091+/-177.050 χ^2/NDF:0.0/0

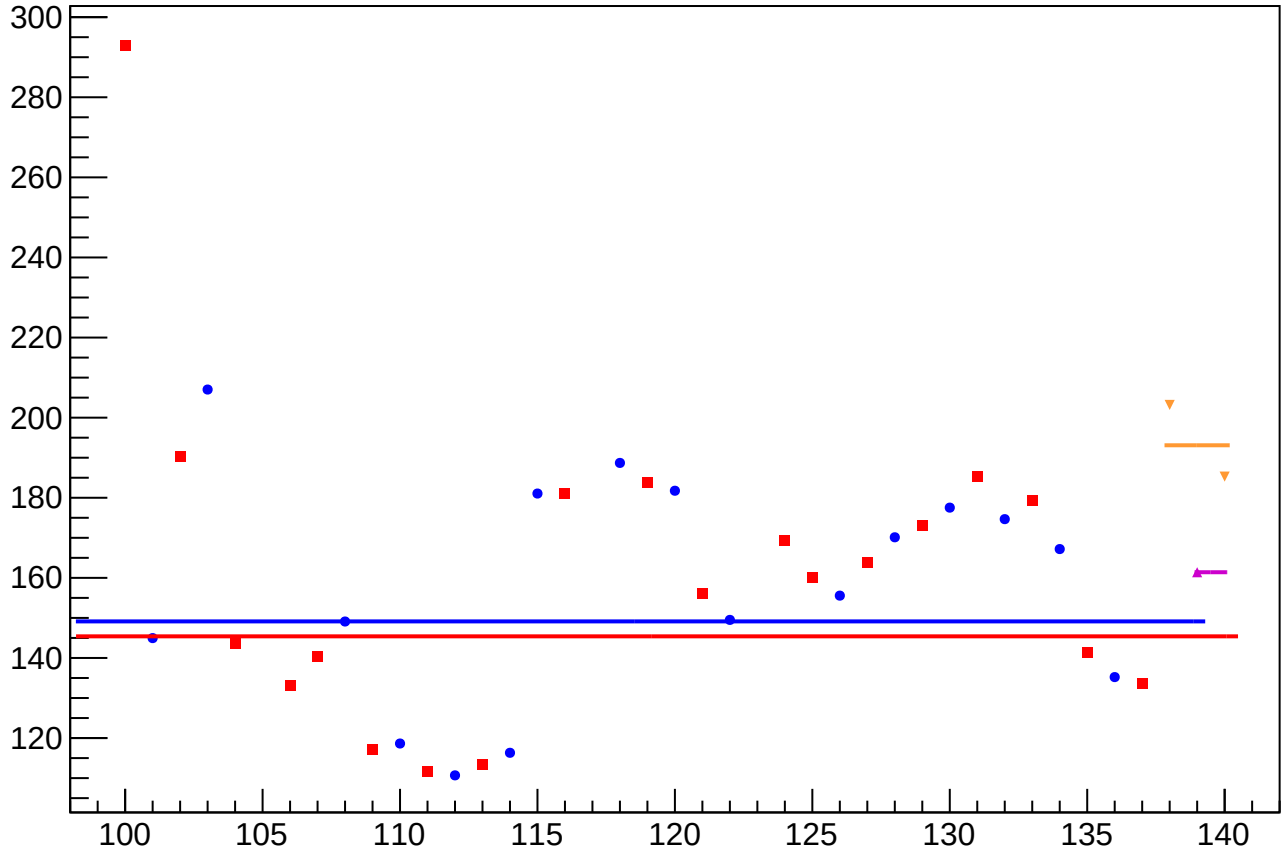
Left: 110.218+/-116.498 χ^2/NDF: 0.4/2

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: -55.037+/-54.027 χ^2/NDF:11.1/16

Out: 67.334+/-51.607 χ^2/NDF:20.1/20

All: 8.951+/-37.318 χ^2/NDF: 33.9/37



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 193.105+/-0.109 χ^2/NDF:6588.3/1

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 161.406+/-0.125 χ^2/NDF:0.0/0

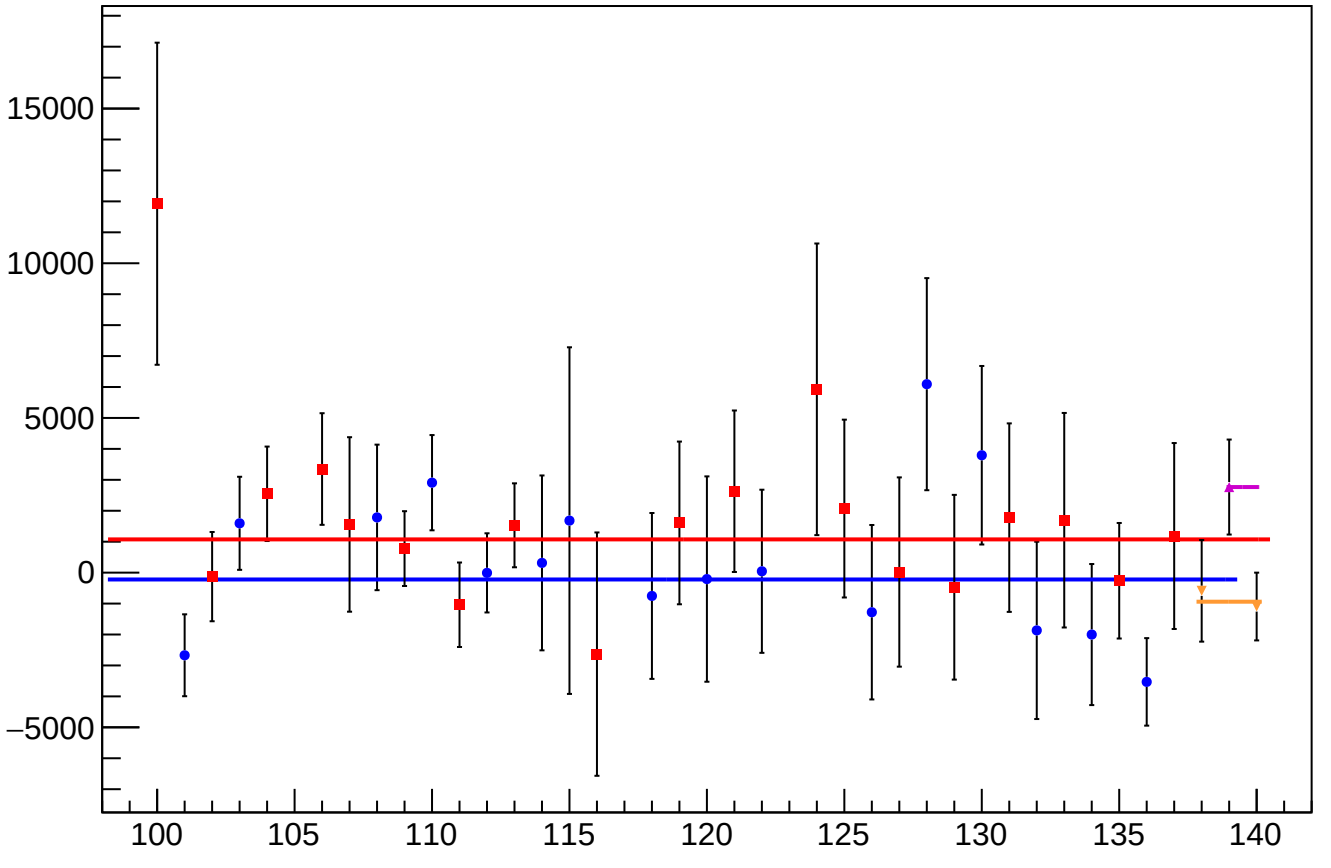
Left: 179.381+/-0.082 χ^2/NDF: 42943.4/2

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 150.273+/-0.038 χ^2/NDF:459723.8/16

Out: 150.708+/-0.036 χ^2/NDF:701425.4/20

All: 150.500+/-0.026 χ^2/NDF: 1161216.7/37



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -939.416+/-911.111 χ^2/NDF:0.1/1

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 2766.371+/-1535.257 χ^2/NDF:0.0/0

Left: 25.794+/-783.523 χ^2/NDF: 4.4/2

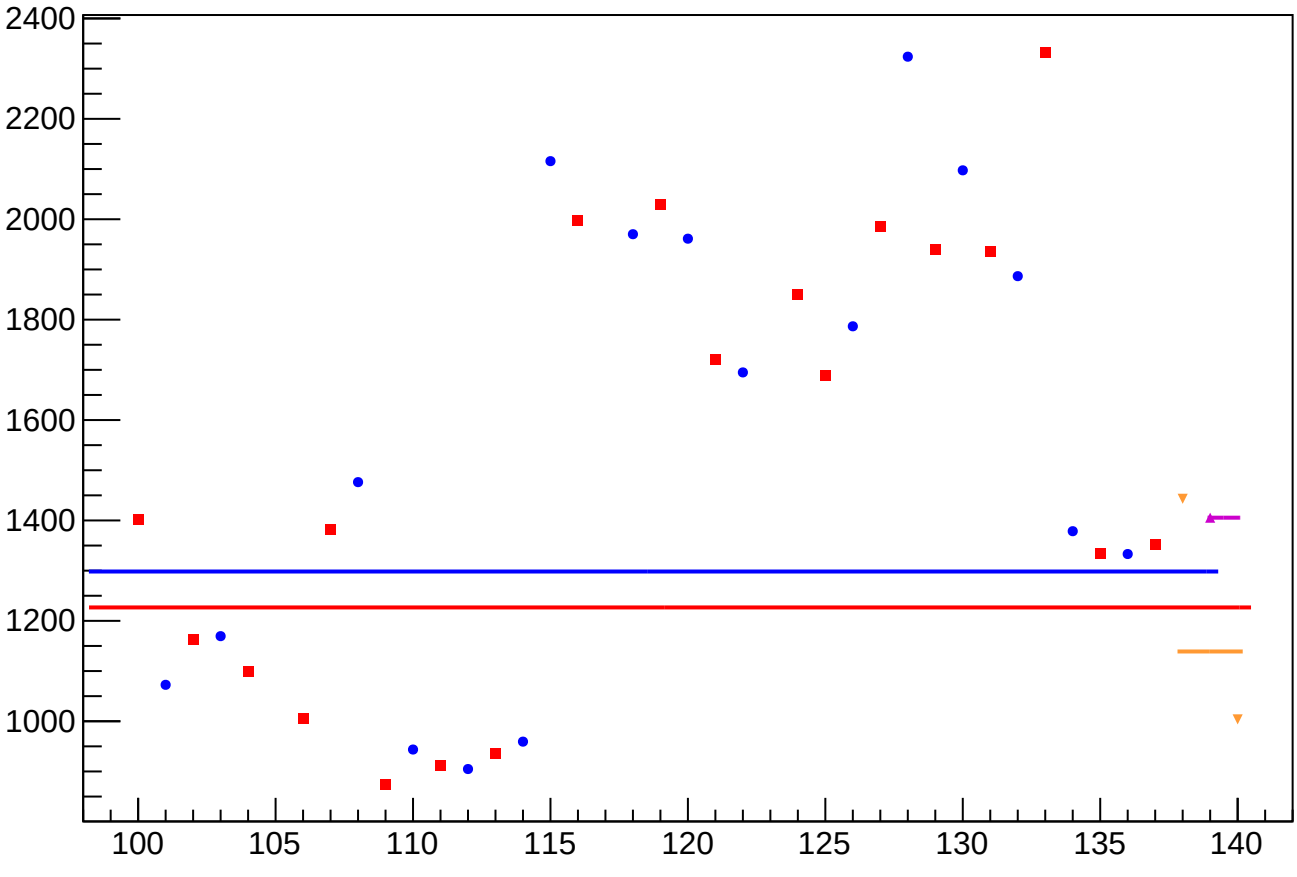
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 71.707+/-480.743 χ^2/NDF:25.3/16

Out: 647.161+/-419.671 χ^2/NDF:17.5/20

All: 398.287+/-316.154 χ^2/NDF: 43.6/37

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1138.986+/-0.644 χ^2/NDF:99122.6/1

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1405.508+/-1.086 χ^2/NDF:0.0/0

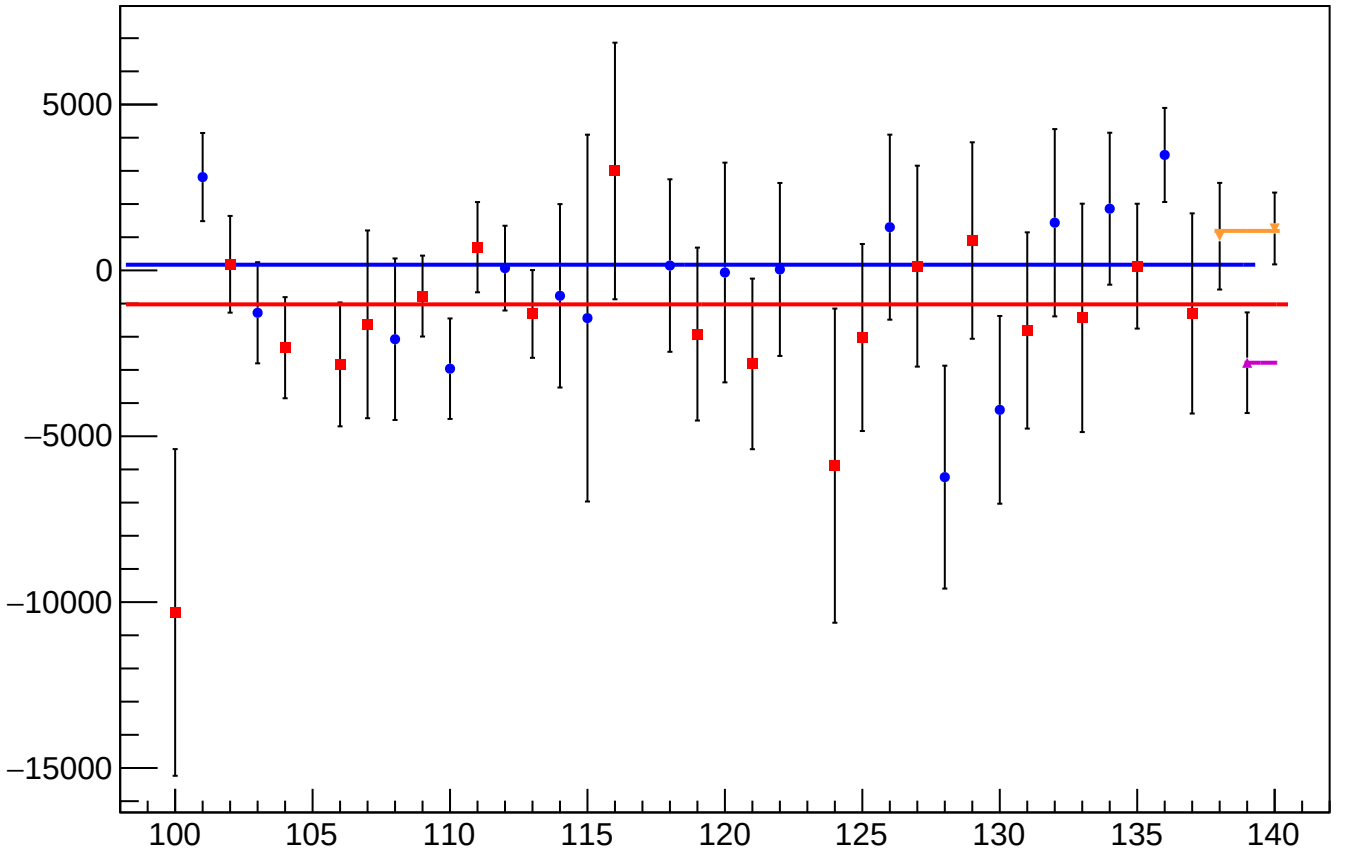
Left: 1208.404+/-0.554 χ^2/NDF: 143698.1/2

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1308.805+/-0.340 χ^2/NDF:1190924.9/16

Out: 1208.111+/-0.297 χ^2/NDF:1518260.0/20

All: 1251.660+/-0.224 χ^2/NDF: 2758979.5/37



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1190.621+/-897.773 χ^2/NDF:0.0/1

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -2783.464+/-1516.966 χ^2/NDF:0.0/0

Left: 159.752+/-772.608 χ^2/NDF: 5.1/2

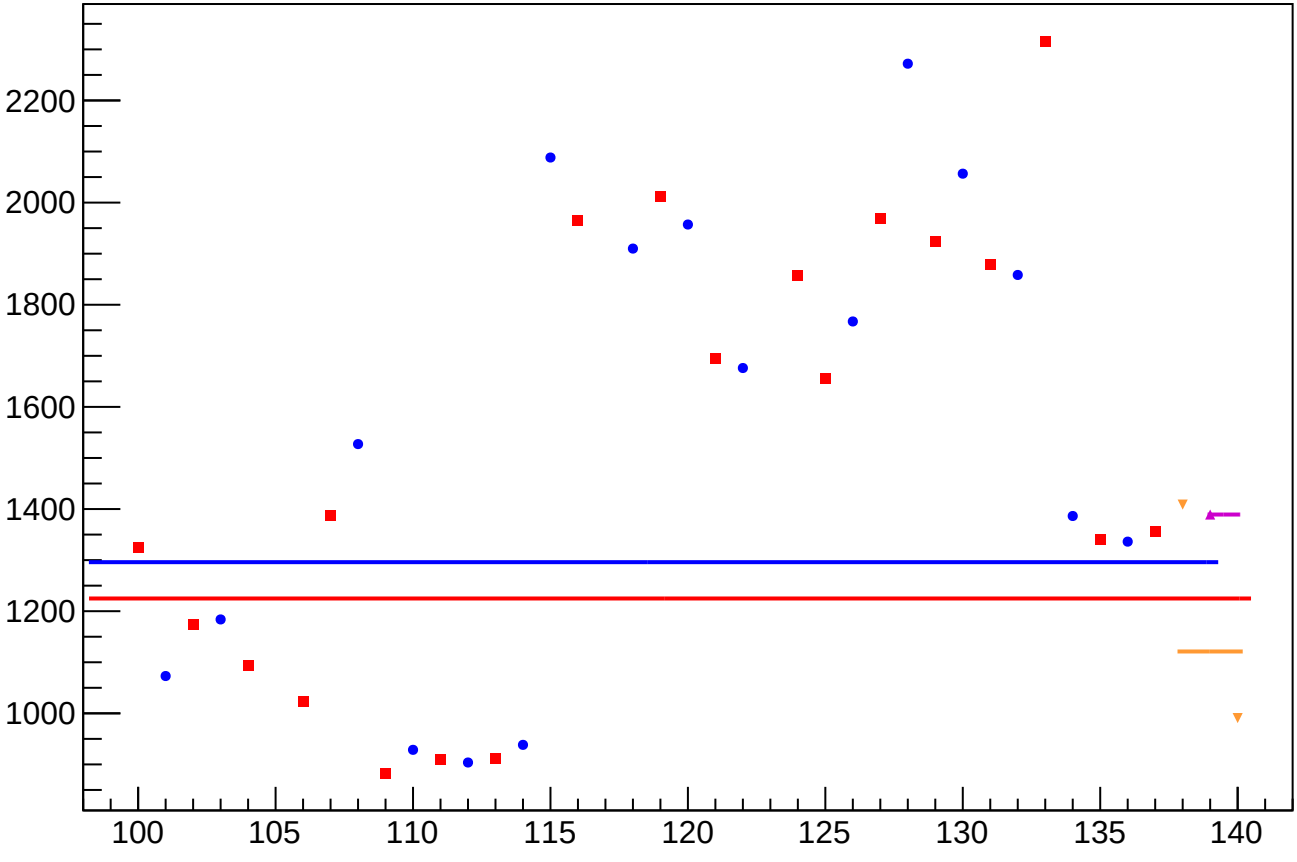
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -123.850+/-479.263 χ^2/NDF:26.0/16

Out: -544.171+/-417.785 χ^2/NDF:16.3/20

All: -362.682+/-314.926 χ^2/NDF: 42.8/37

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1121.112+/-0.635 χ^2/NDF:93038.0/1

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1389.249+/-1.073 χ^2/NDF:0.0/0

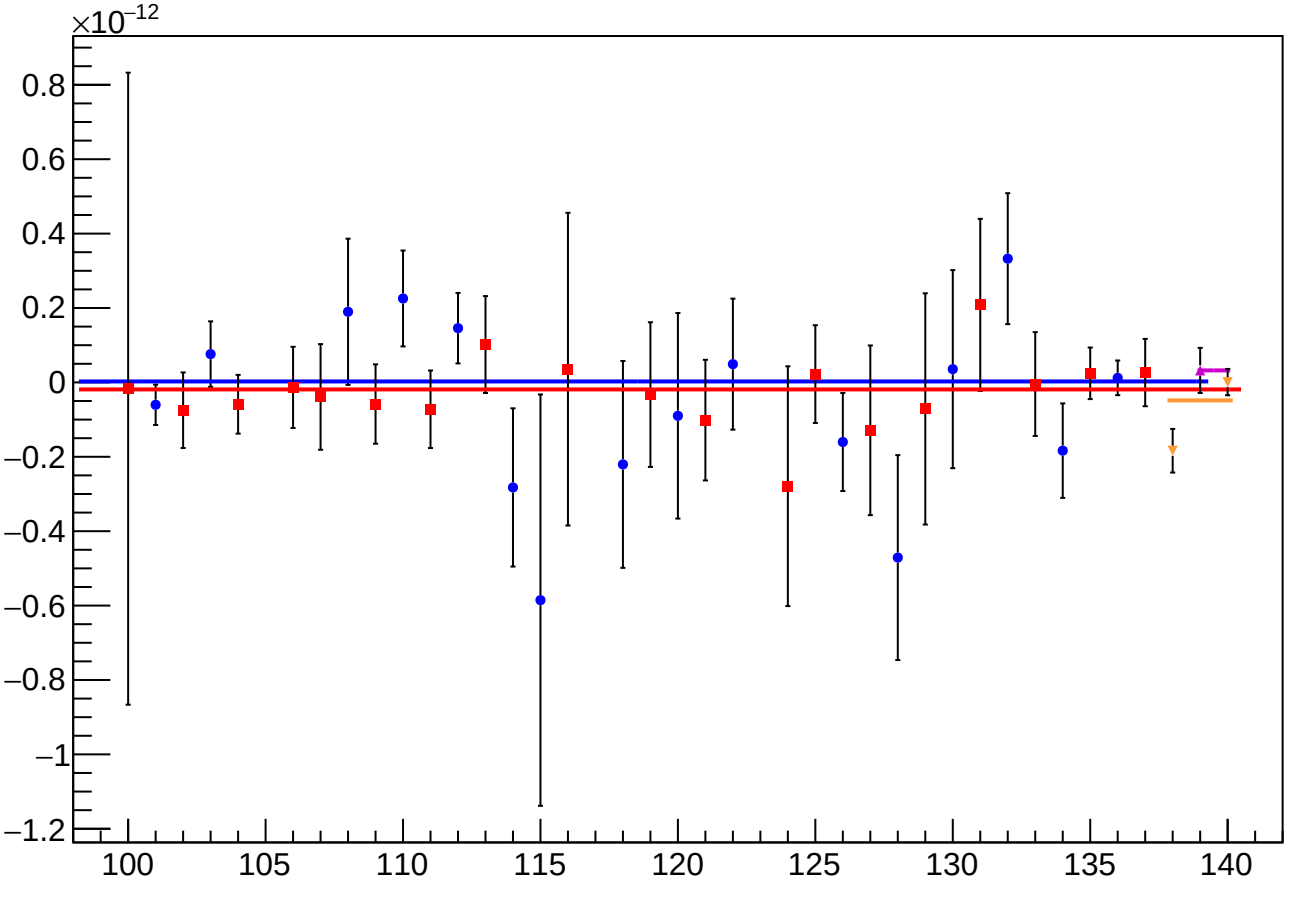
Left: 1190.666+/-0.546 χ^2/NDF: 139316.2/2

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1305.296+/-0.339 χ^2/NDF:1160990.8/16

Out: 1202.402+/-0.295 χ^2/NDF:1485252.7/20

All: 1246.830+/-0.223 χ^2/NDF: 2698624.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

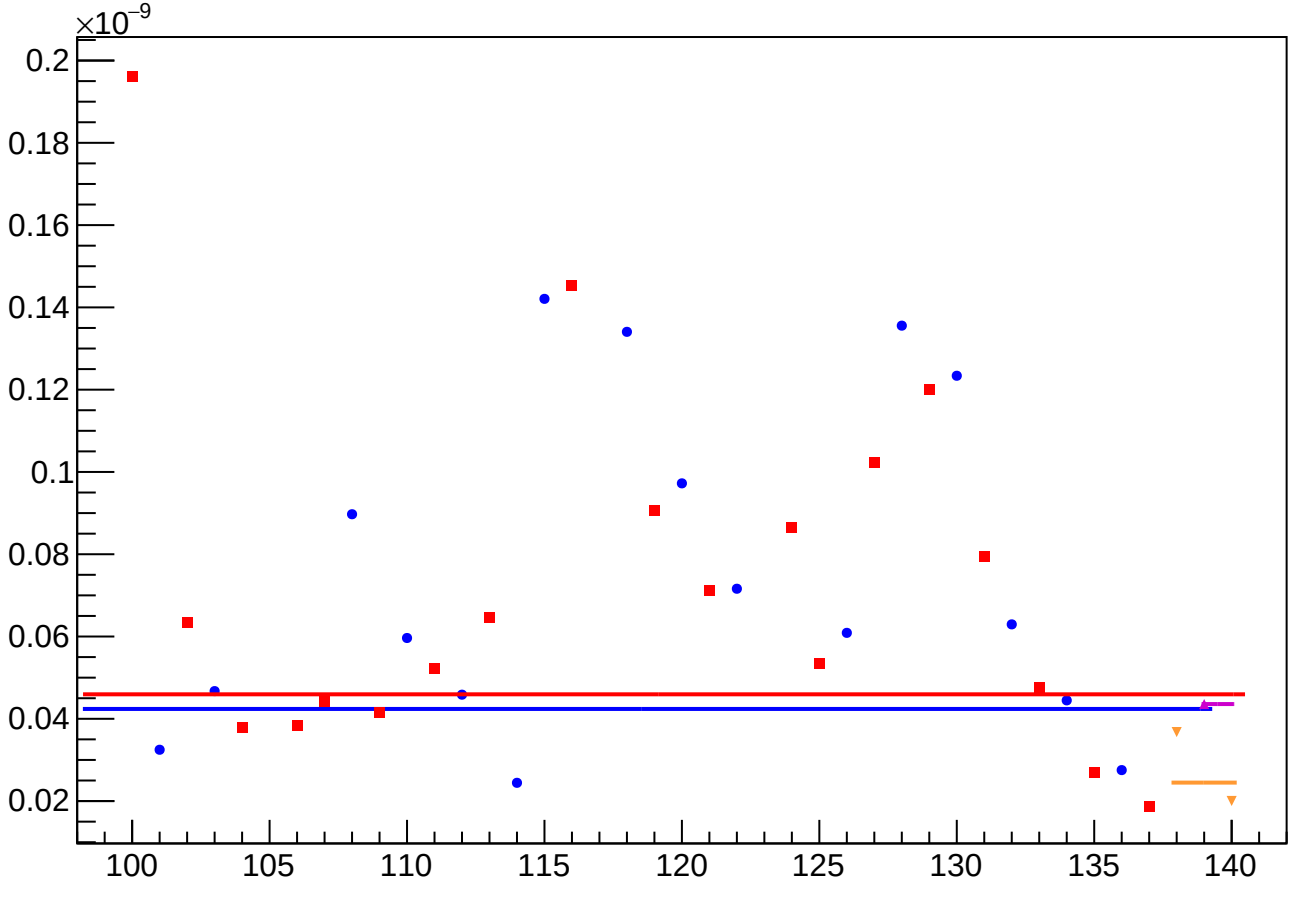
Left: -0.000+/-0.000 χ^2/NDF: 8.7/2

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:22.4/16

Out: -0.000+/-0.000 χ^2/NDF:12.5/20

All: -0.000+/-0.000 χ^2/NDF: 36.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:119611.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

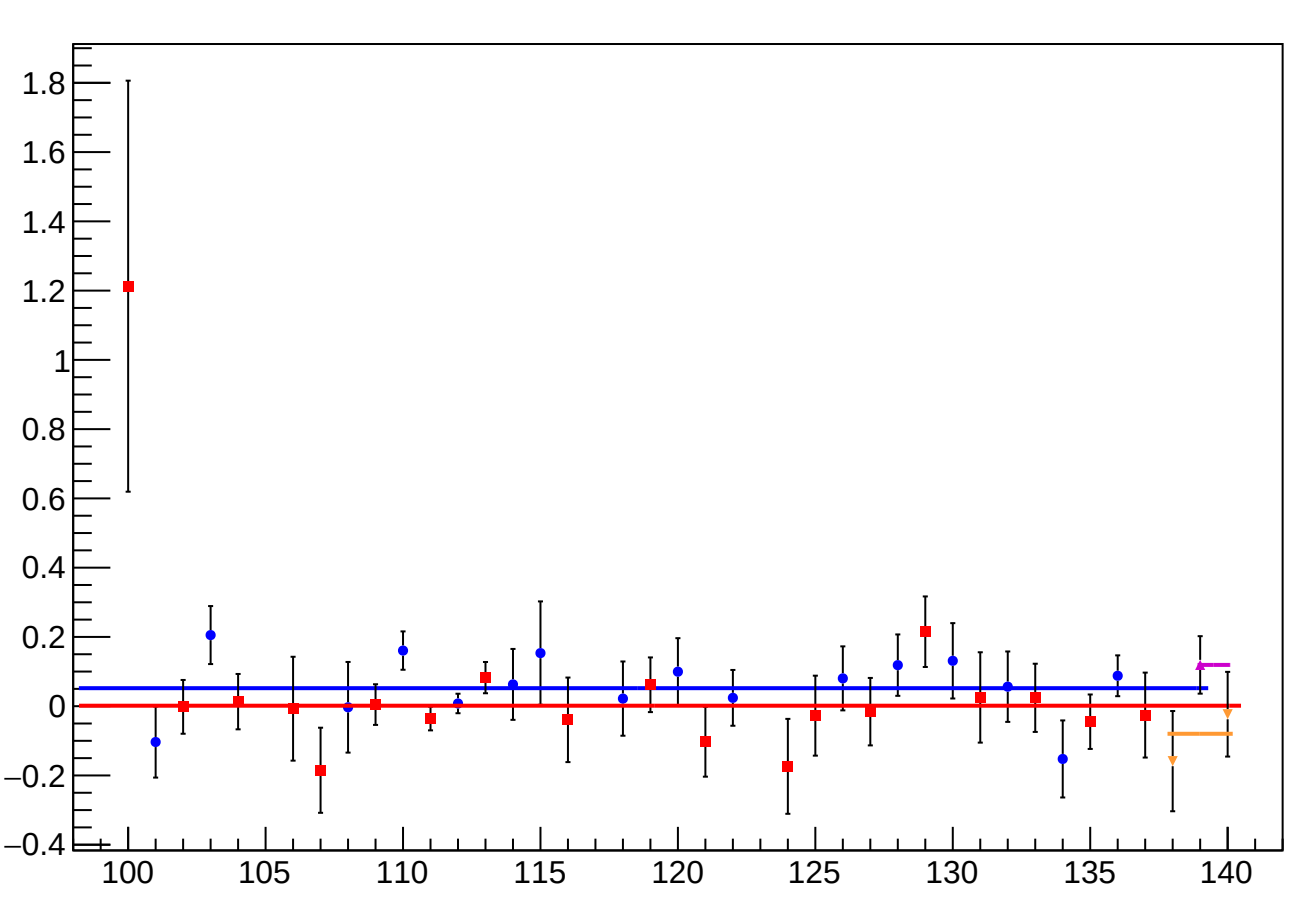
Left: 0.000+/-0.000 χ^2/NDF: 278310.4/2

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:1341901.9/16

Out: 0.000+/-0.000 χ^2/NDF:1764192.8/20

All: 0.000+/-0.000 χ^2/NDF: 3196705.4/37



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.080+/-0.093 χ^2/NDF:0.5/1

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.119+/-0.083 χ^2/NDF:0.0/0

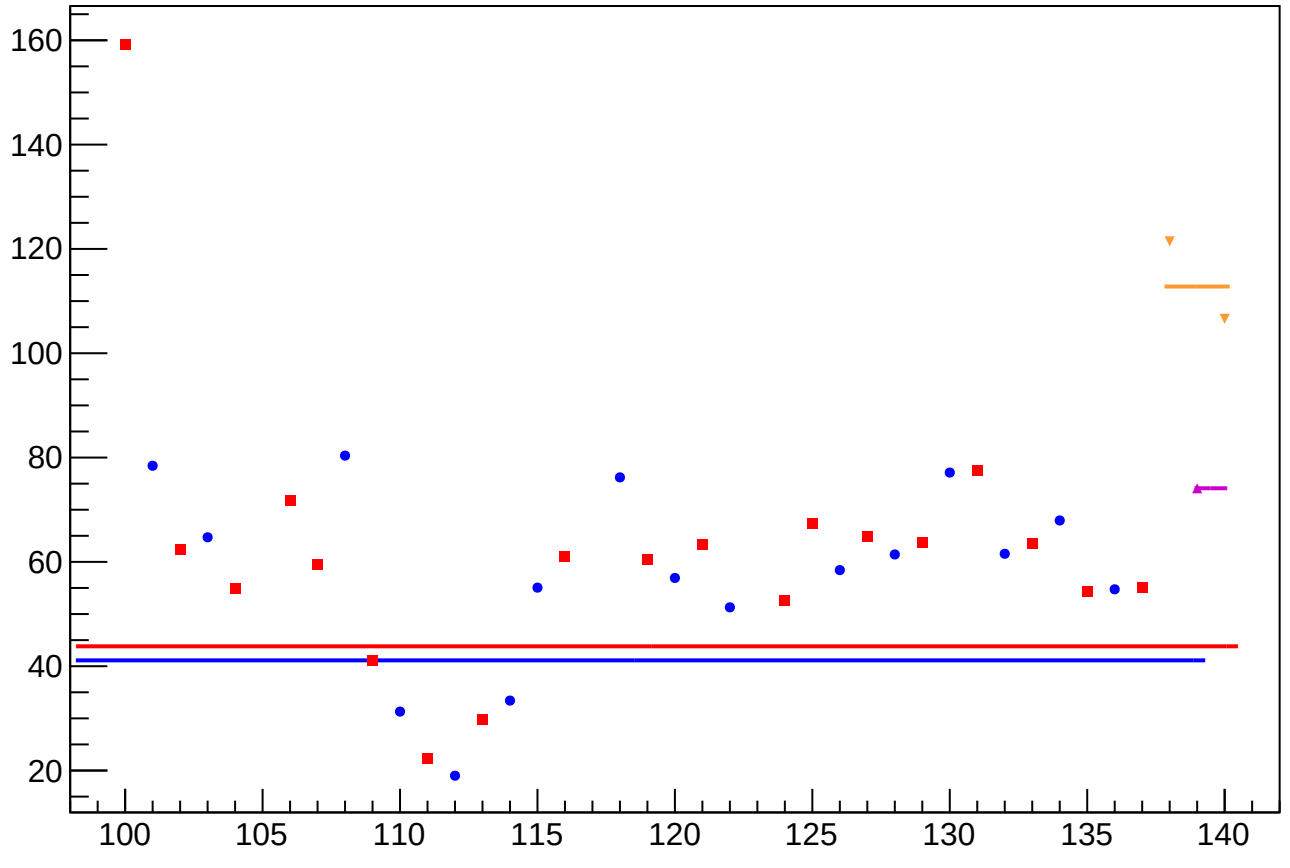
Left: 0.031+/-0.062 χ^2/NDF: 3.0/2

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.055+/-0.017 χ^2/NDF:18.6/16

Out: -0.001+/-0.018 χ^2/NDF:20.5/20

All: 0.027+/-0.012 χ^2/NDF: 44.3/37



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 112.792+/-0.066 χ^2/NDF:12275.3/1

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.114+/-0.059 χ^2/NDF:0.0/0

Left: 91.174+/-0.044 χ^2/NDF: 203897.0/2

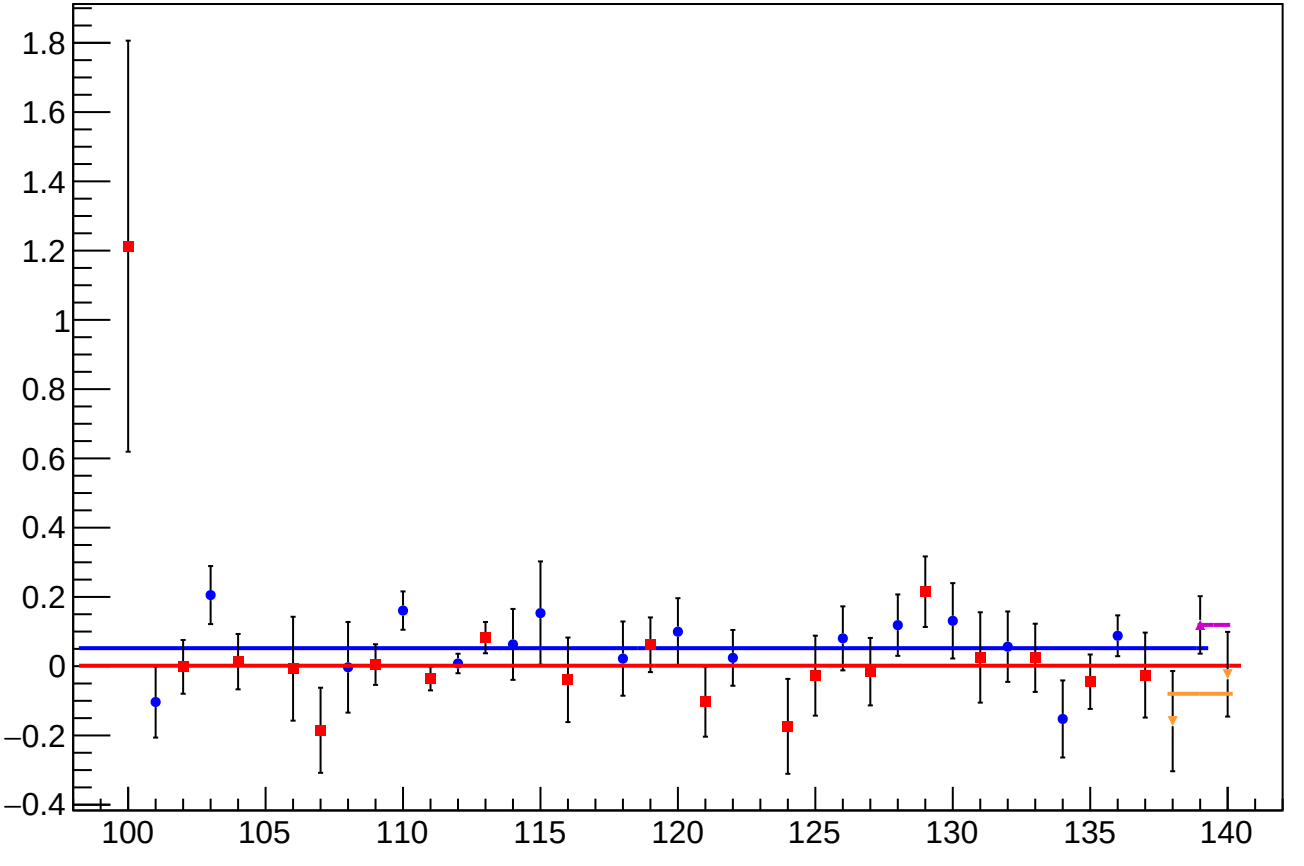
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 42.567+/-0.012 χ^2/NDF:3227584.4/16

Out: 46.264+/-0.012 χ^2/NDF:3112432.3/20

All: 44.391+/-0.009 χ^2/NDF: 6384673.8/37

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.080+/-0.093 χ^2/NDF:0.5/1

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.119+/-0.083 χ^2/NDF:0.0/0

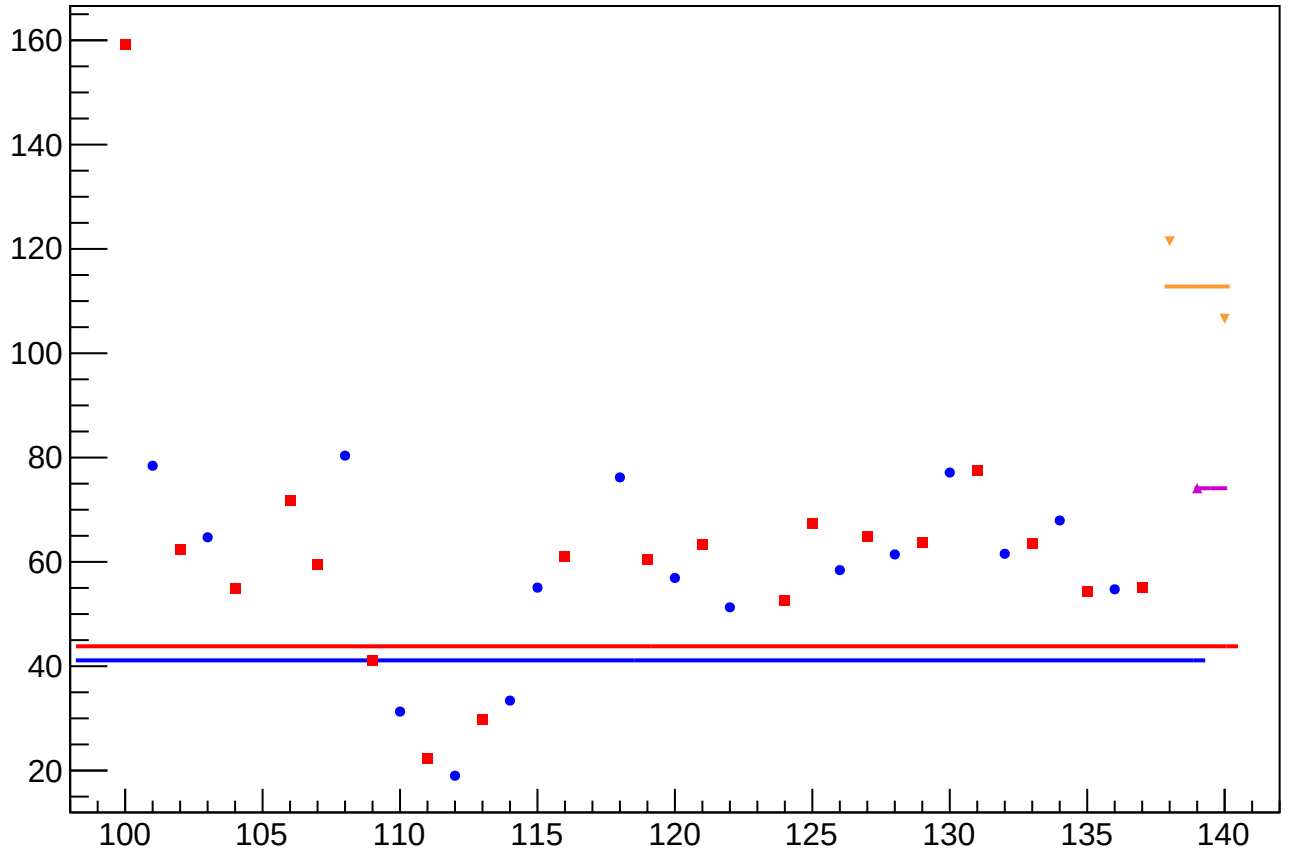
Left: 0.031+/-0.062 χ^2/NDF: 3.0/2

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.055+/-0.017 χ^2/NDF:18.6/16

Out: -0.001+/-0.018 χ^2/NDF:20.5/20

All: 0.027+/-0.012 χ^2/NDF: 44.3/37



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 112.792+/-0.066 χ^2/NDF:12275.3/1

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.114+/-0.059 χ^2/NDF:0.0/0

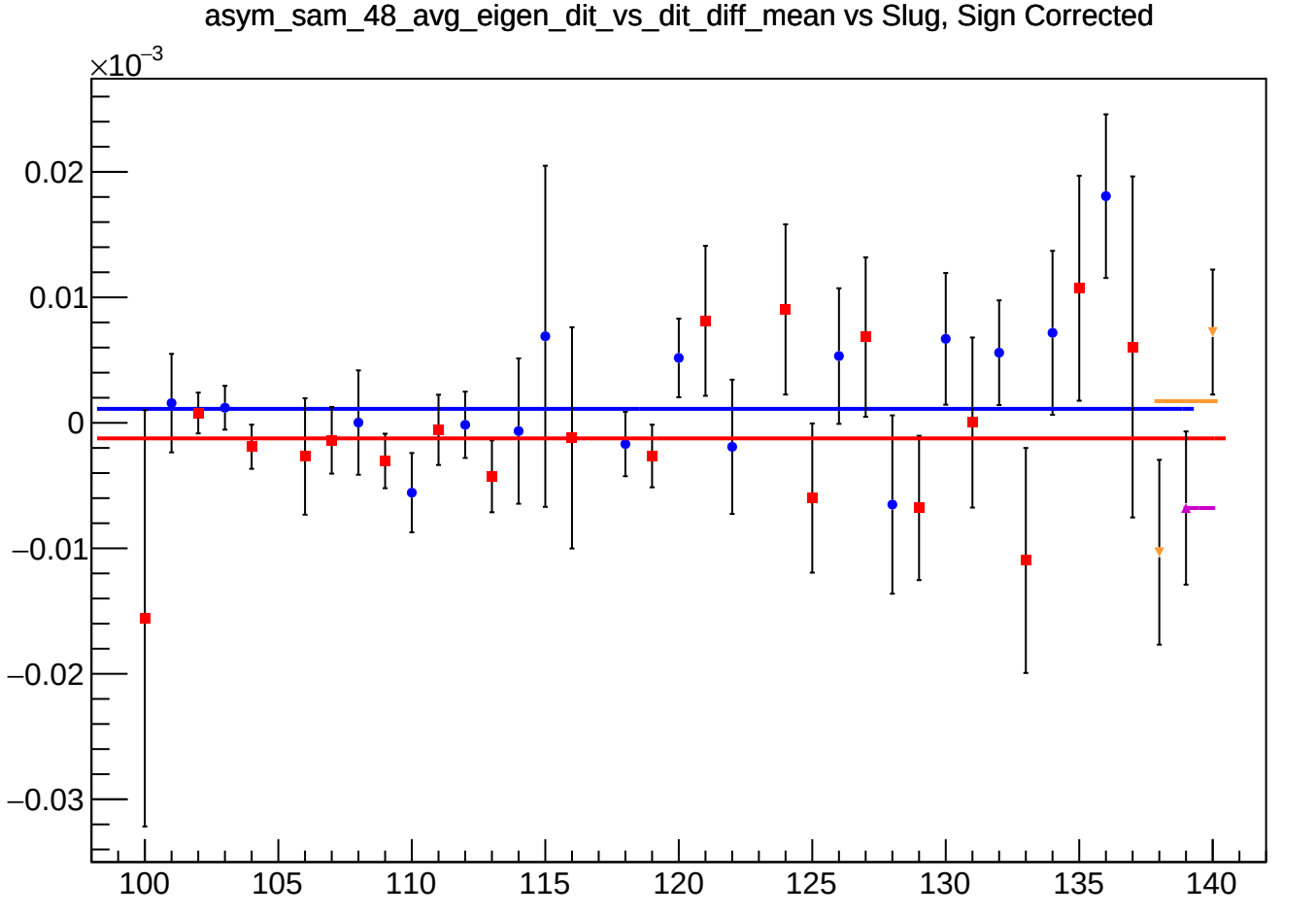
Left: 91.174+/-0.044 χ^2/NDF: 203897.0/2

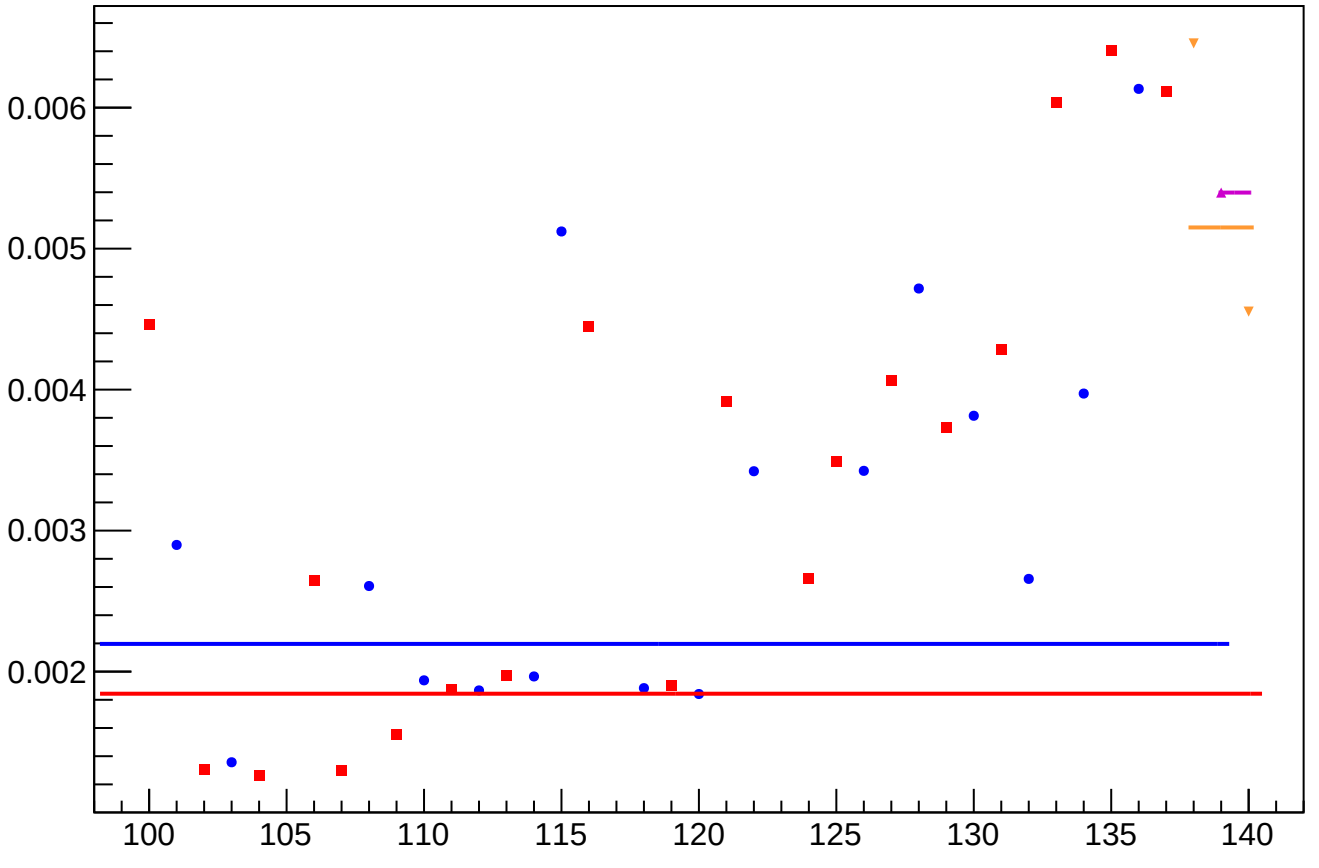
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 42.567+/-0.012 χ^2/NDF:3227584.4/16

Out: 46.264+/-0.012 χ^2/NDF:3112432.3/20

All: 44.391+/-0.009 χ^2/NDF: 6384673.8/37


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: 0.000+/-0.000 χ²/NDF:3.9/1
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 5.2/2
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:21.5/16
Out: -0.000+/-0.000 χ²/NDF:20.3/20
All: -0.000+/-0.000 χ²/NDF: 45.0/37



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:91574.4/1

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.005+/-0.000 χ^2/NDF:0.0/0

Left: 0.005+/-0.000 χ^2/NDF: 93828.6/2

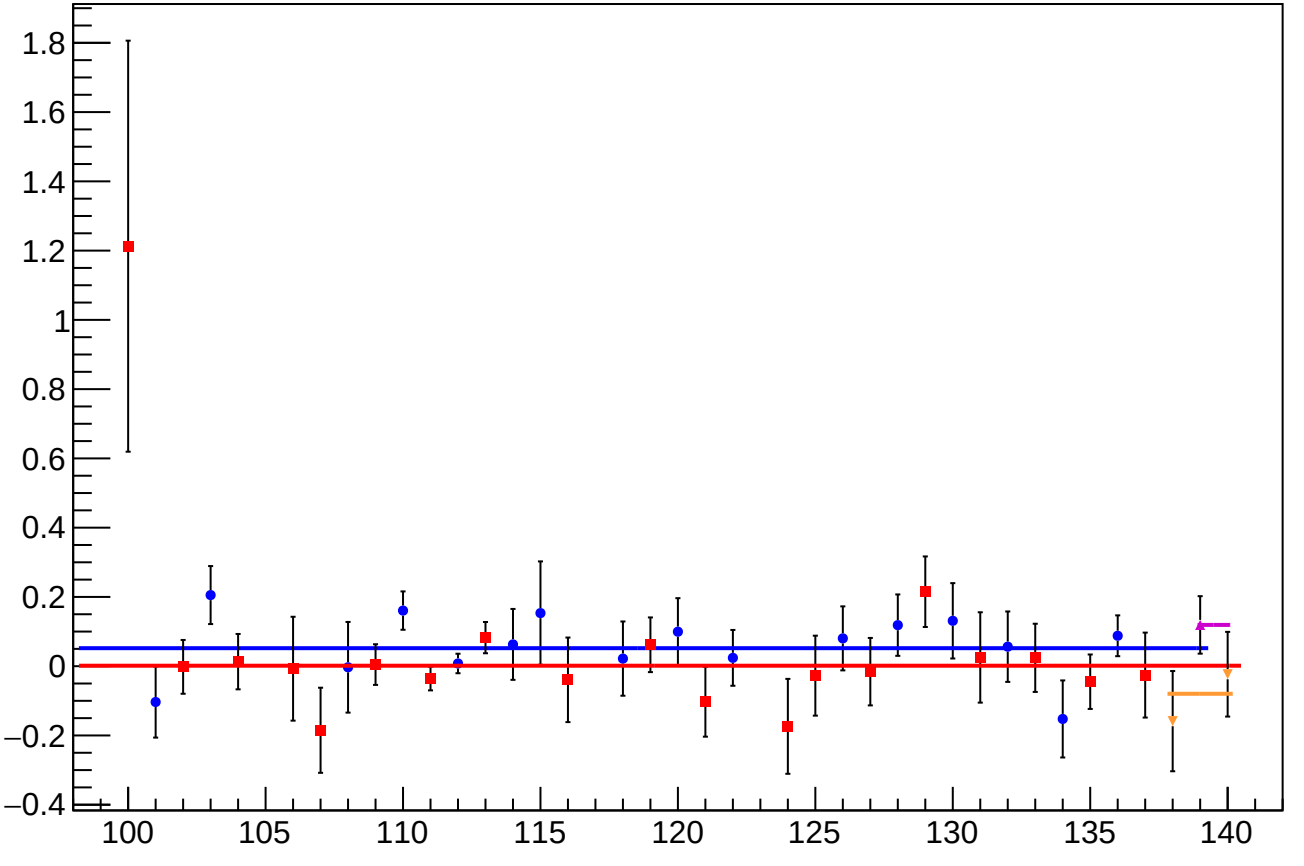
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:2830827.4/16

Out: 0.002+/-0.000 χ^2/NDF:4471836.9/20

All: 0.002+/-0.000 χ^2/NDF: 7445488.4/37

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.080+/-0.093 χ^2/NDF:0.5/1

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.119+/-0.083 χ^2/NDF:0.0/0

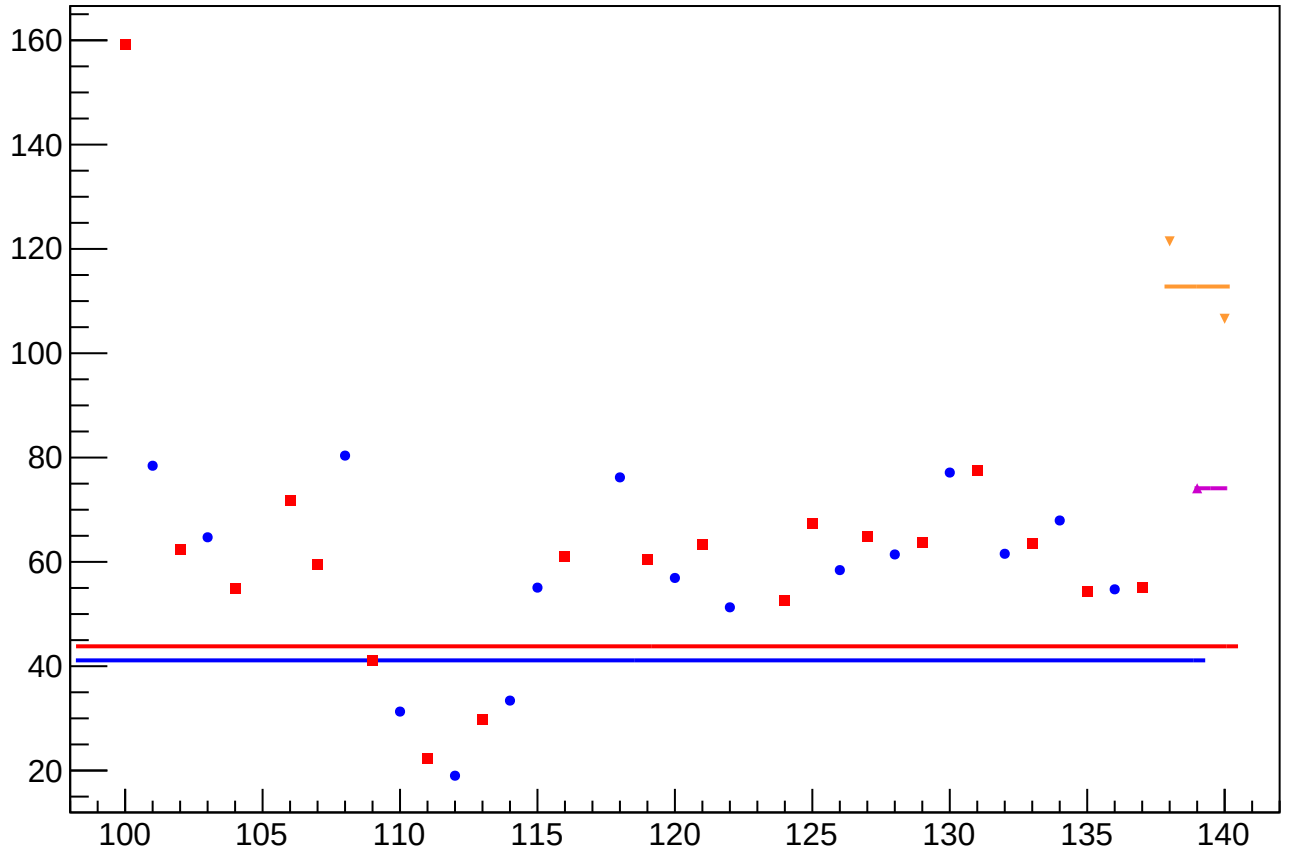
Left: 0.031+/-0.062 χ^2/NDF: 3.0/2

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.055+/-0.017 χ^2/NDF:18.6/16

Out: -0.001+/-0.018 χ^2/NDF:20.5/20

All: 0.027+/-0.012 χ^2/NDF: 44.3/37



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 112.792+/-0.066 χ^2/NDF:12271.8/1

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 74.114+/-0.059 χ^2/NDF:0.0/0

Left: 91.173+/-0.044 χ^2/NDF: 203904.1/2

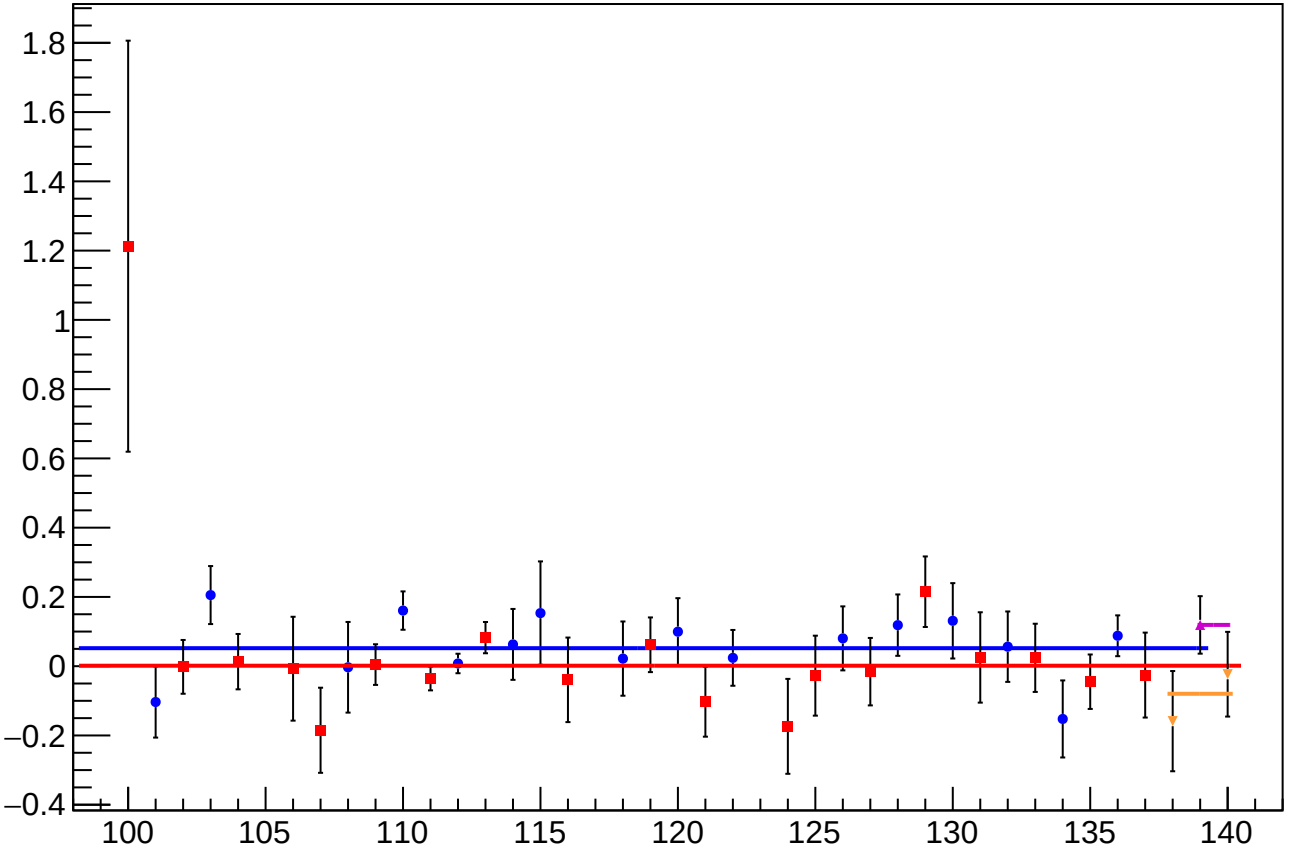
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 42.566+/-0.012 χ^2/NDF:3227754.5/16

Out: 46.263+/-0.012 χ^2/NDF:3112632.7/20

All: 44.390+/-0.009 χ^2/NDF: 6385045.5/37

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.080+/-0.093 χ^2/NDF:0.5/1

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.119+/-0.083 χ^2/NDF:0.0/0

Left: 0.031+/-0.062 χ^2/NDF: 3.0/2

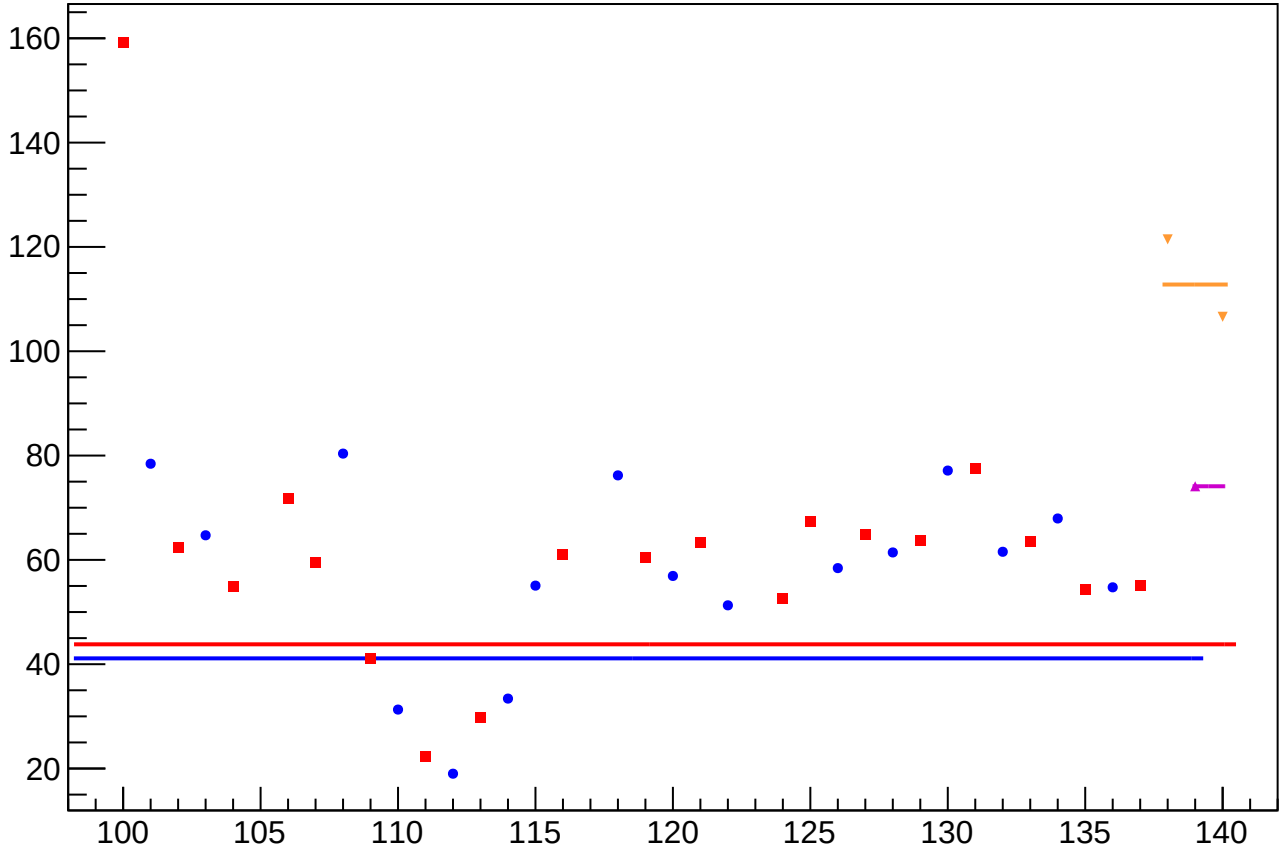
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.055+/-0.017 χ^2/NDF:18.6/16

Out: -0.001+/-0.018 χ^2/NDF:20.5/20

All: 0.027+/-0.012 χ^2/NDF: 44.3/37

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 112.792+/-0.066 χ^2/NDF:12271.8/1

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 74.114+/-0.059 χ^2/NDF:0.0/0

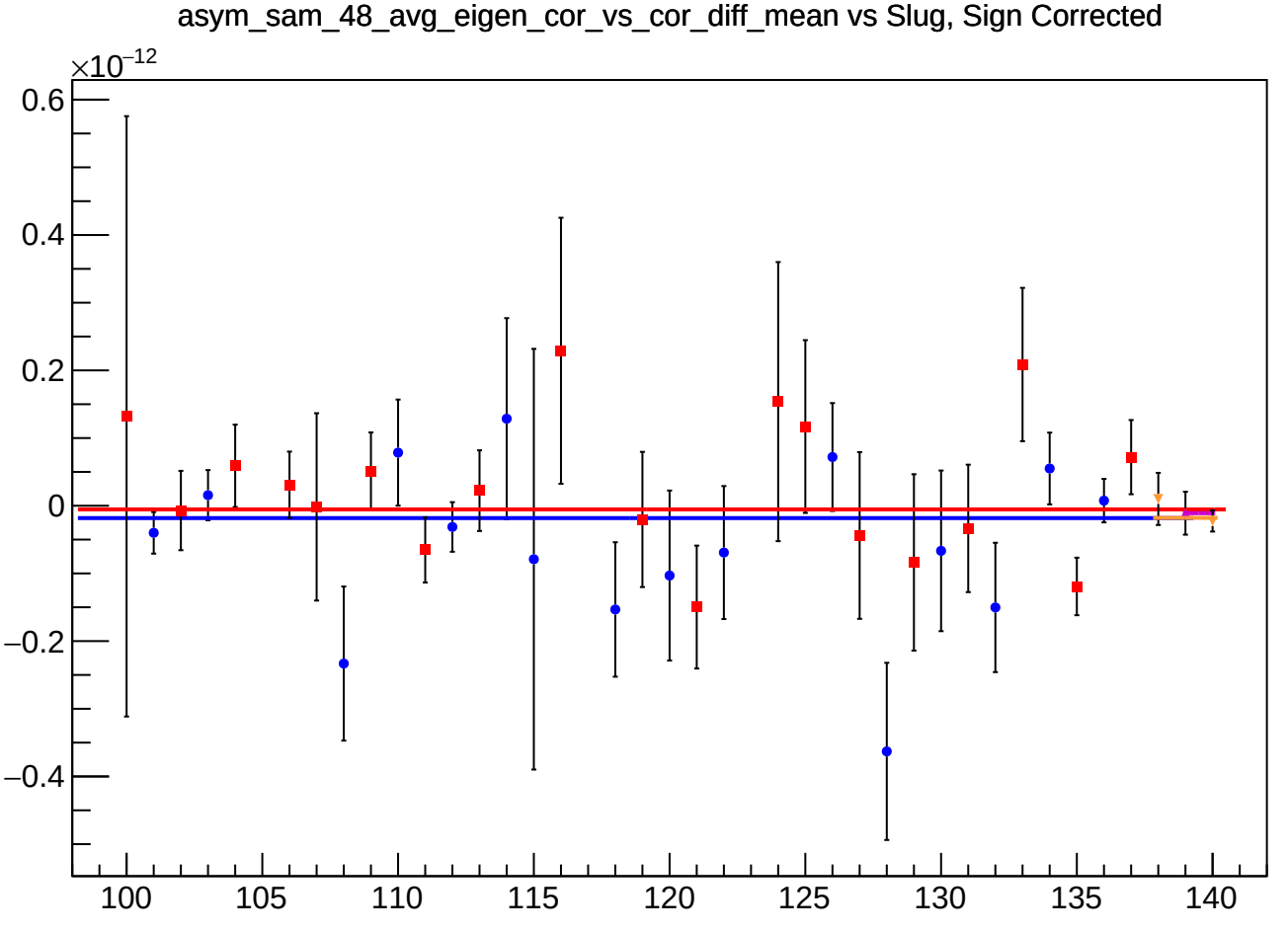
Left: 91.173+/-0.044 χ^2/NDF: 203904.1/2

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 42.566+/-0.012 χ^2/NDF:3227754.5/16

Out: 46.263+/-0.012 χ^2/NDF:3112632.7/20

All: 44.390+/-0.009 χ^2/NDF: 6385045.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

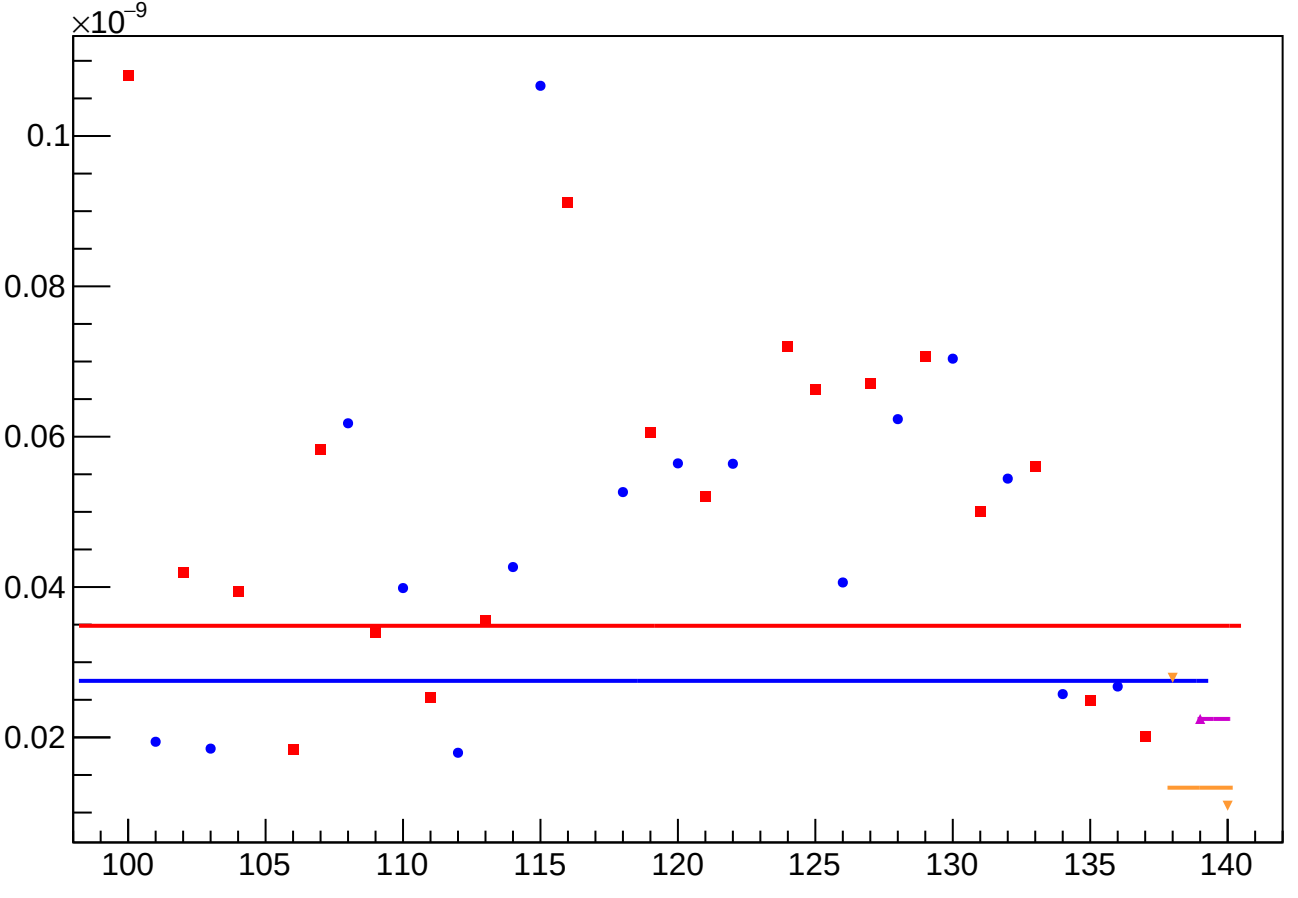
Left: -0.000+/-0.000 χ^2/NDF: 0.7/2

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: -0.000+/-0.000 χ^2/NDF:23.0/16

Out: -0.000+/-0.000 χ^2/NDF:24.2/20

All: -0.000+/-0.000 χ^2/NDF: 47.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:335405.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

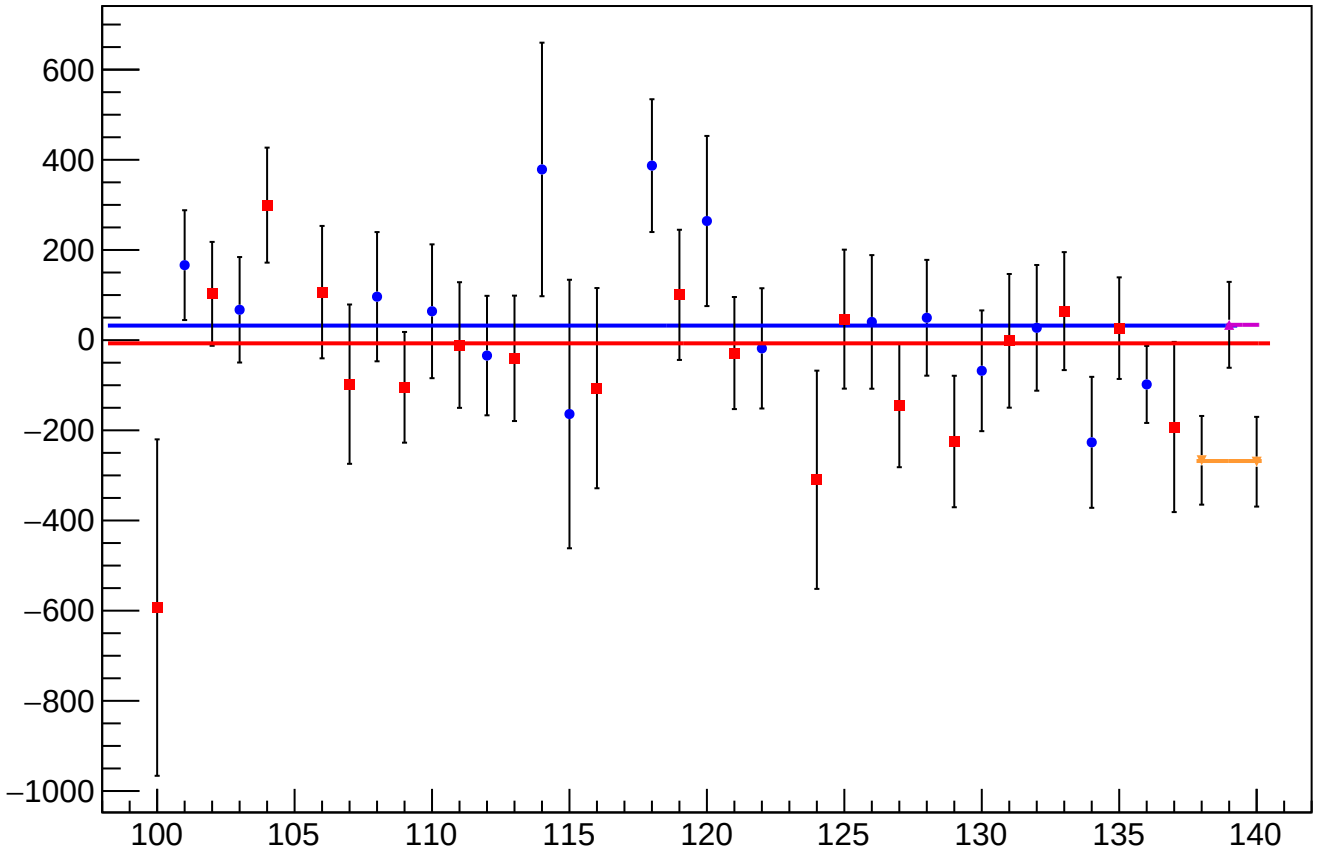
Left: 0.000+/-0.000 χ^2/NDF: 473175.8/2

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:1842071.0/16

Out: 0.000+/-0.000 χ^2/NDF:3914793.6/20

All: 0.000+/-0.000 χ^2/NDF: 5872953.7/37



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -268.069+/-69.956 χ^2/NDF:0.0/1

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: 33.994+/-95.248 χ^2/NDF:0.0/0

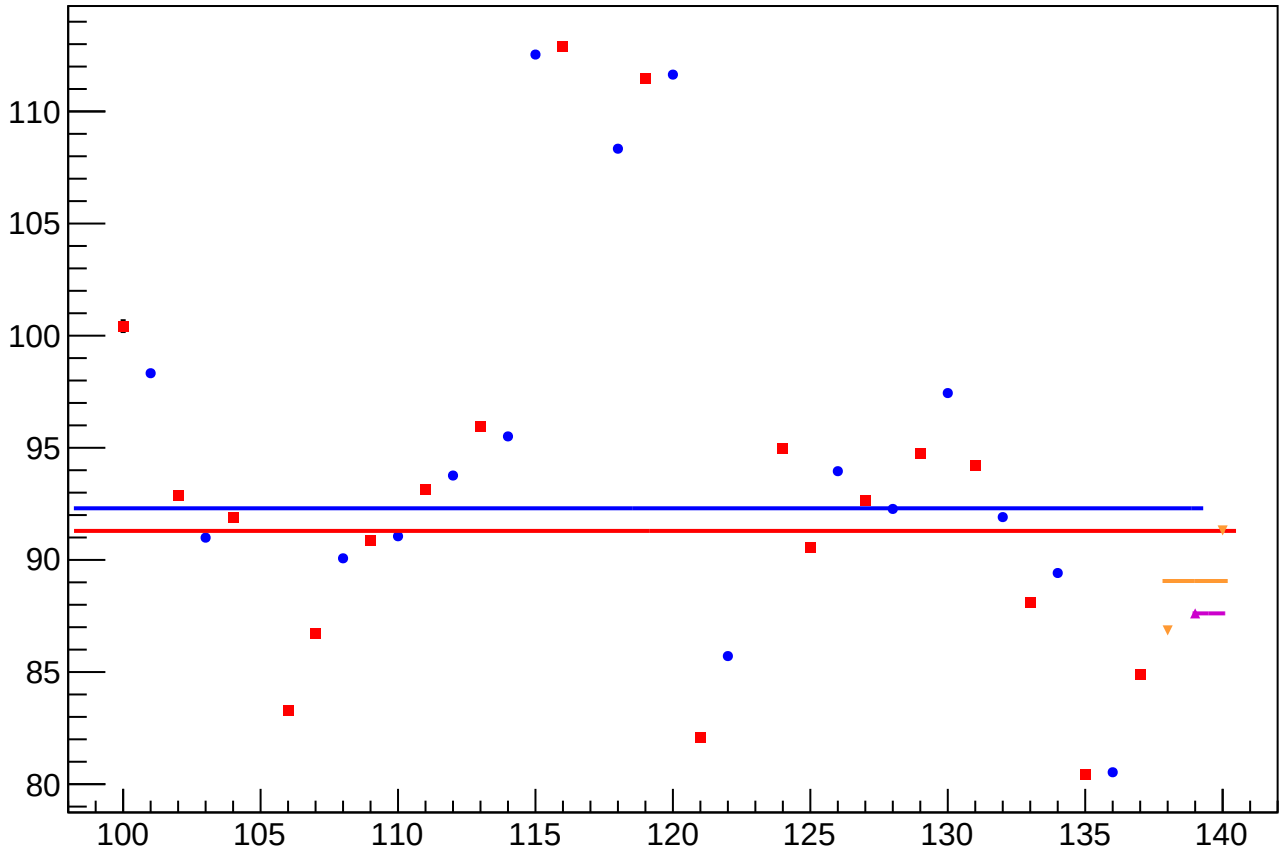
Left: -162.223+/-56.383 χ^2/NDF: 6.5/2

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: 32.493+/-32.378 χ^2/NDF:17.3/16

Out: -55.568+/-30.155 χ^2/NDF:29.1/20

All: -14.664+/-22.067 χ^2/NDF: 50.4/37



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 89.060+/-0.049 χ^2/NDF:2030.2/1

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 87.616+/-0.067 χ^2/NDF:0.0/0

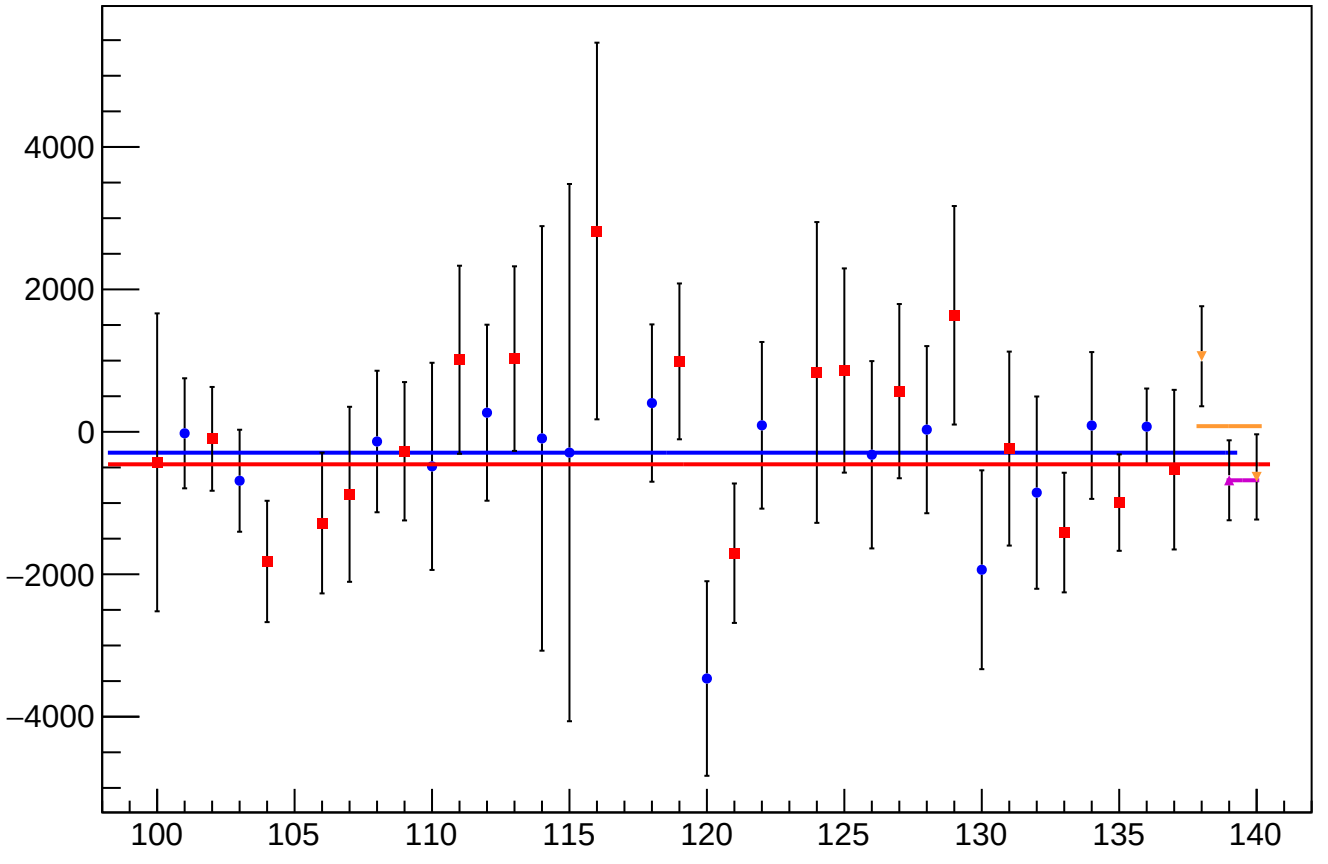
Left: 88.554+/-0.040 χ^2/NDF: 2328.9/2

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 91.761+/-0.023 χ^2/NDF:111348.5/16

Out: 90.879+/-0.021 χ^2/NDF:108786.6/20

All: 91.288+/-0.016 χ^2/NDF: 220930.1/37



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 79.653+/-455.582 χ^2/NDF:3.4/1

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -680.263+/-561.516 χ^2/NDF:0.0/0

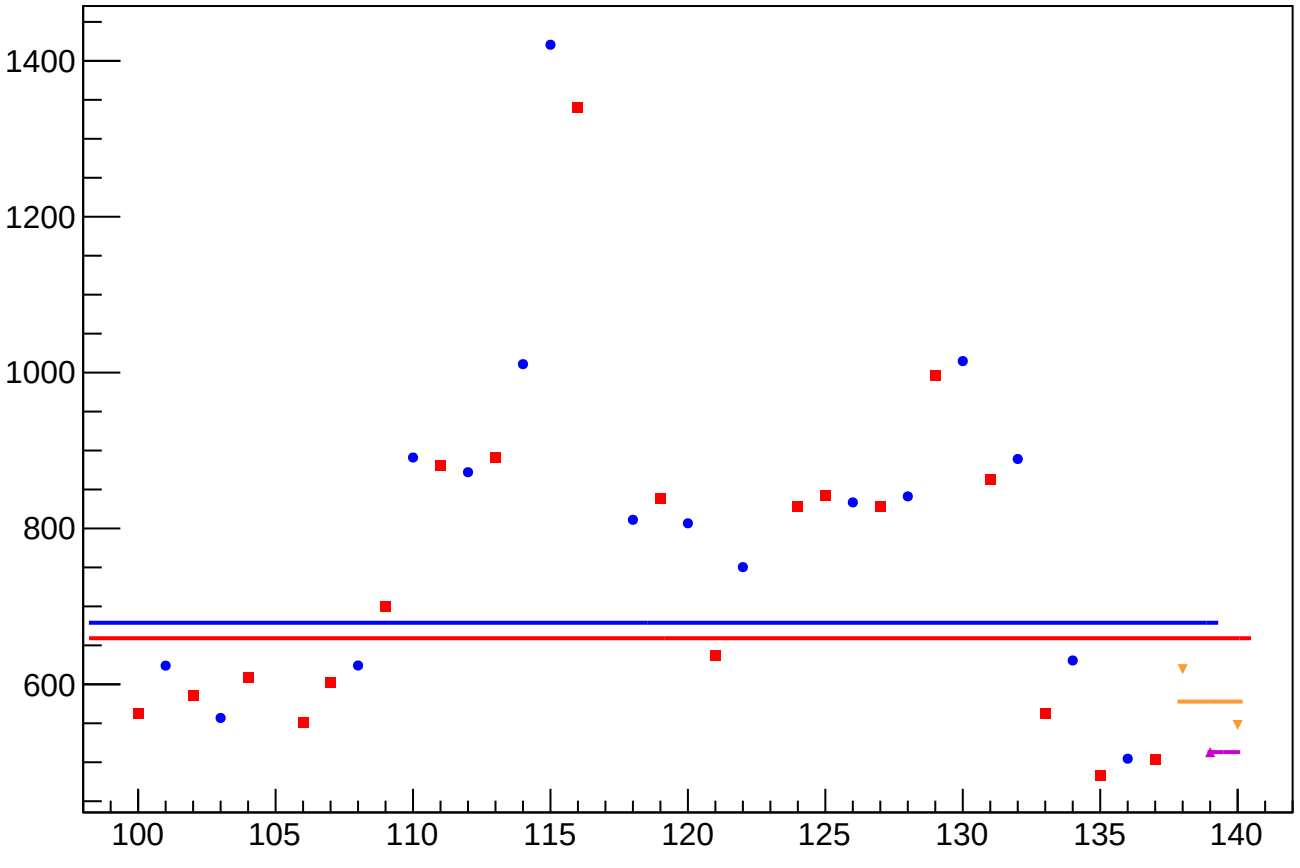
Left: -222.007+/-353.784 χ^2/NDF: 4.5/2

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -361.036+/-235.705 χ^2/NDF:9.2/16

Out: -332.878+/-218.303 χ^2/NDF:21.3/20

All: -345.879+/-160.163 χ^2/NDF: 30.5/37



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 577.871+/-0.322 χ^2/NDF:12037.6/1

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 513.036+/-0.397 χ^2/NDF:0.0/0

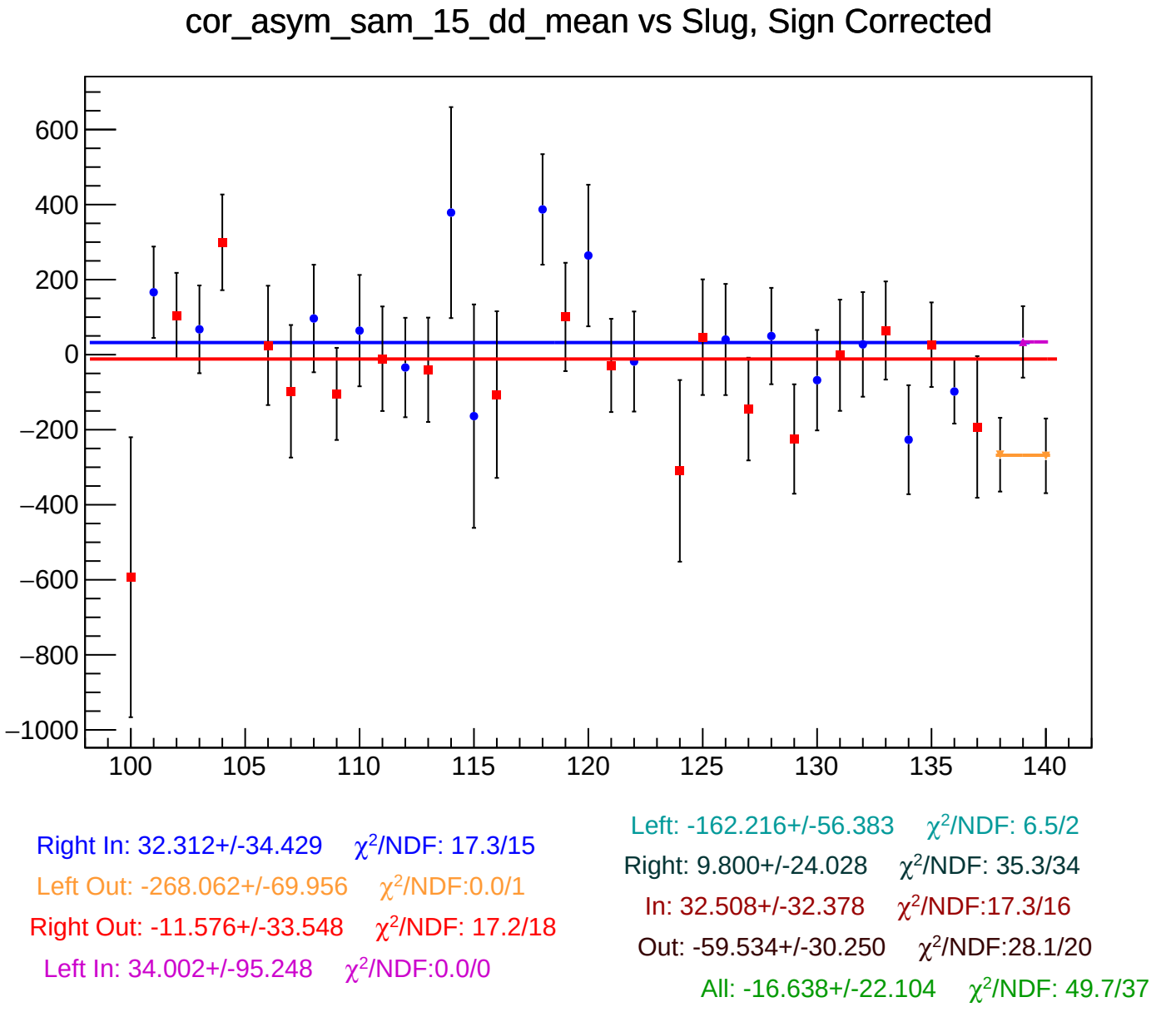
Left: 552.134+/-0.250 χ^2/NDF: 28116.9/2

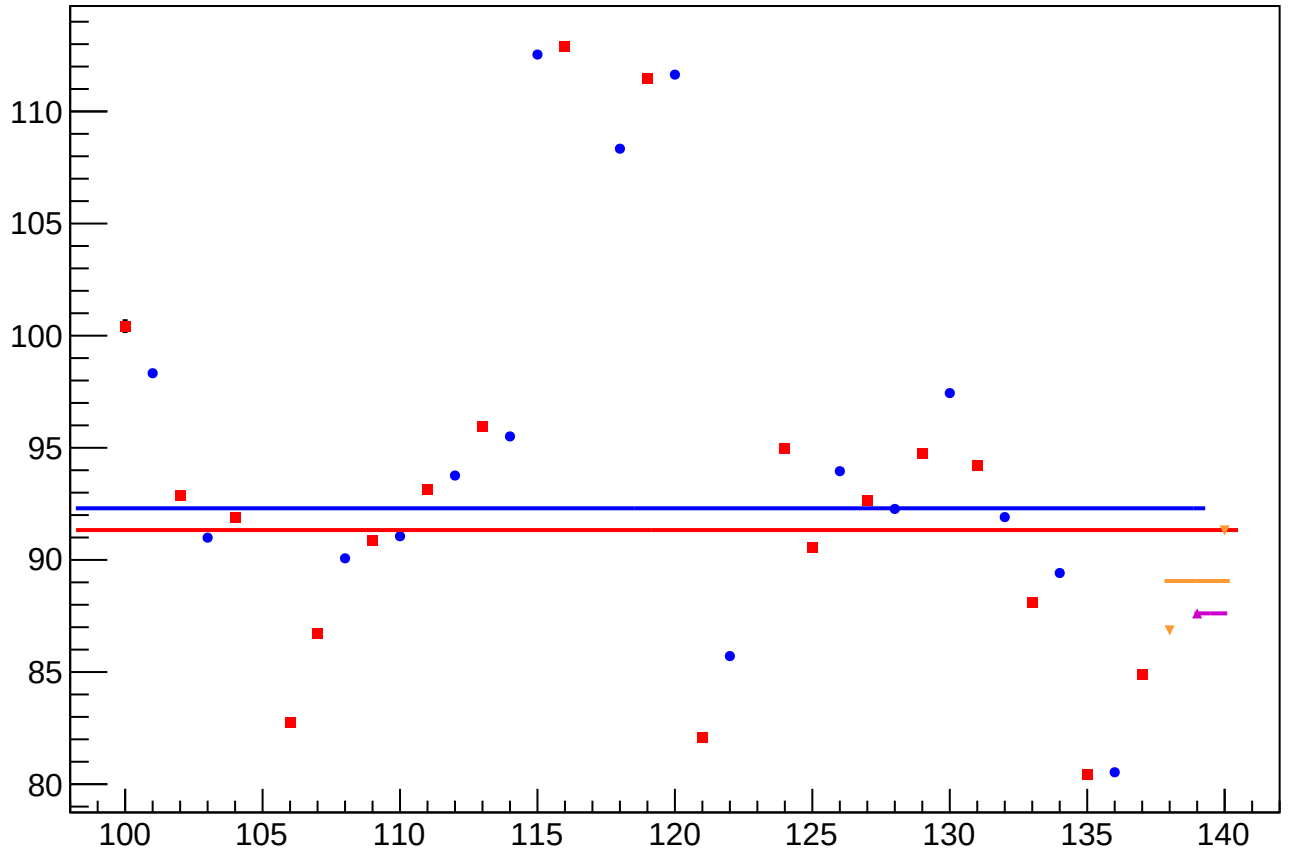
Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 649.759+/-0.167 χ^2/NDF:911919.9/16

Out: 640.475+/-0.154 χ^2/NDF:856937.3/20

All: 644.762+/-0.113 χ^2/NDF: 1770527.5/37


cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
105
110
115
120
125
130
135
140
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -268.062+/-69.956 χ²/NDF:0.0/1
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: 34.002+/-95.248 χ²/NDF:0.0/0
Left: -162.216+/-56.383 χ²/NDF: 6.5/2
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: 32.508+/-32.378 χ²/NDF:17.3/16
Out: -59.534+/-30.250 χ²/NDF:28.1/20
All: -16.638+/-22.104 χ²/NDF: 49.7/37



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 89.060+/-0.049 χ^2/NDF:2030.2/1

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 87.616+/-0.067 χ^2/NDF:0.0/0

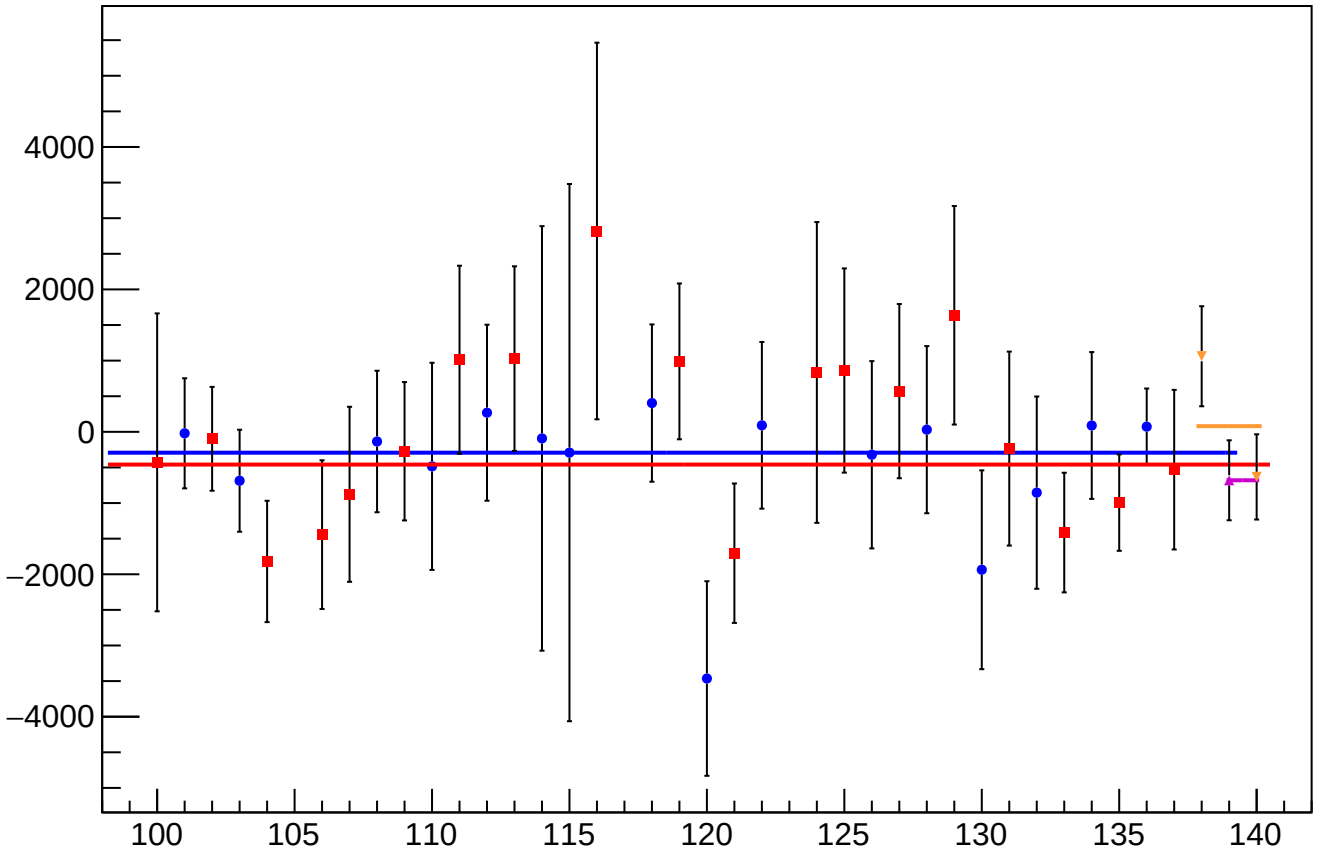
Left: 88.554+/-0.040 χ^2/NDF: 2328.9/2

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 91.761+/-0.023 χ^2/NDF:111348.5/16

Out: 90.907+/-0.021 χ^2/NDF:108663.3/20

All: 91.305+/-0.016 χ^2/NDF: 220754.0/37



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 79.651+/-455.582 χ^2/NDF:3.4/1

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -680.254+/-561.516 χ^2/NDF:0.0/0

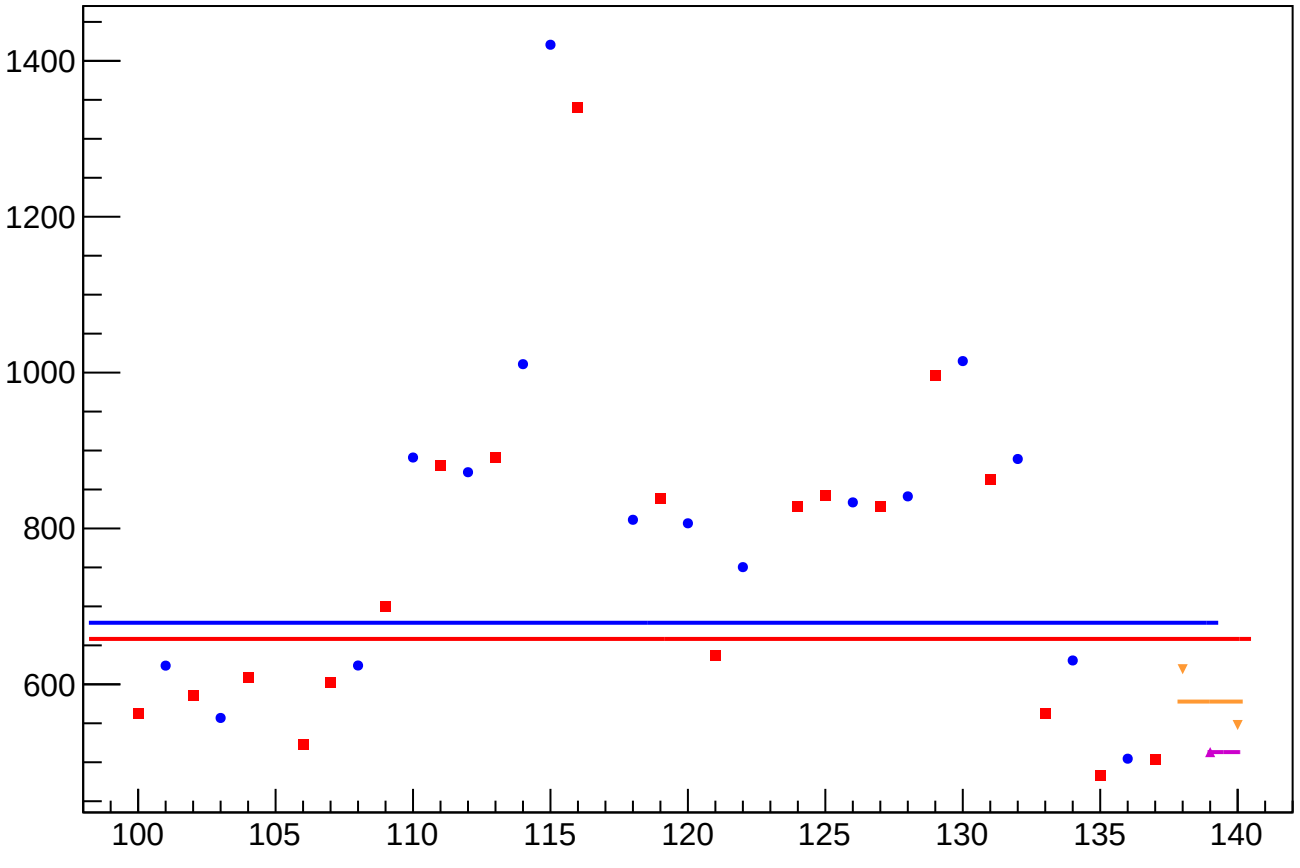
Left: -222.004+/-353.784 χ^2/NDF: 4.5/2

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -361.032+/-235.705 χ^2/NDF:9.2/16

Out: -335.146+/-218.861 χ^2/NDF:21.5/20

All: -347.131+/-160.383 χ^2/NDF: 30.7/37



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 577.871+/-0.322 χ^2/NDF:12037.7/1

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 513.036+/-0.397 χ^2/NDF:0.0/0

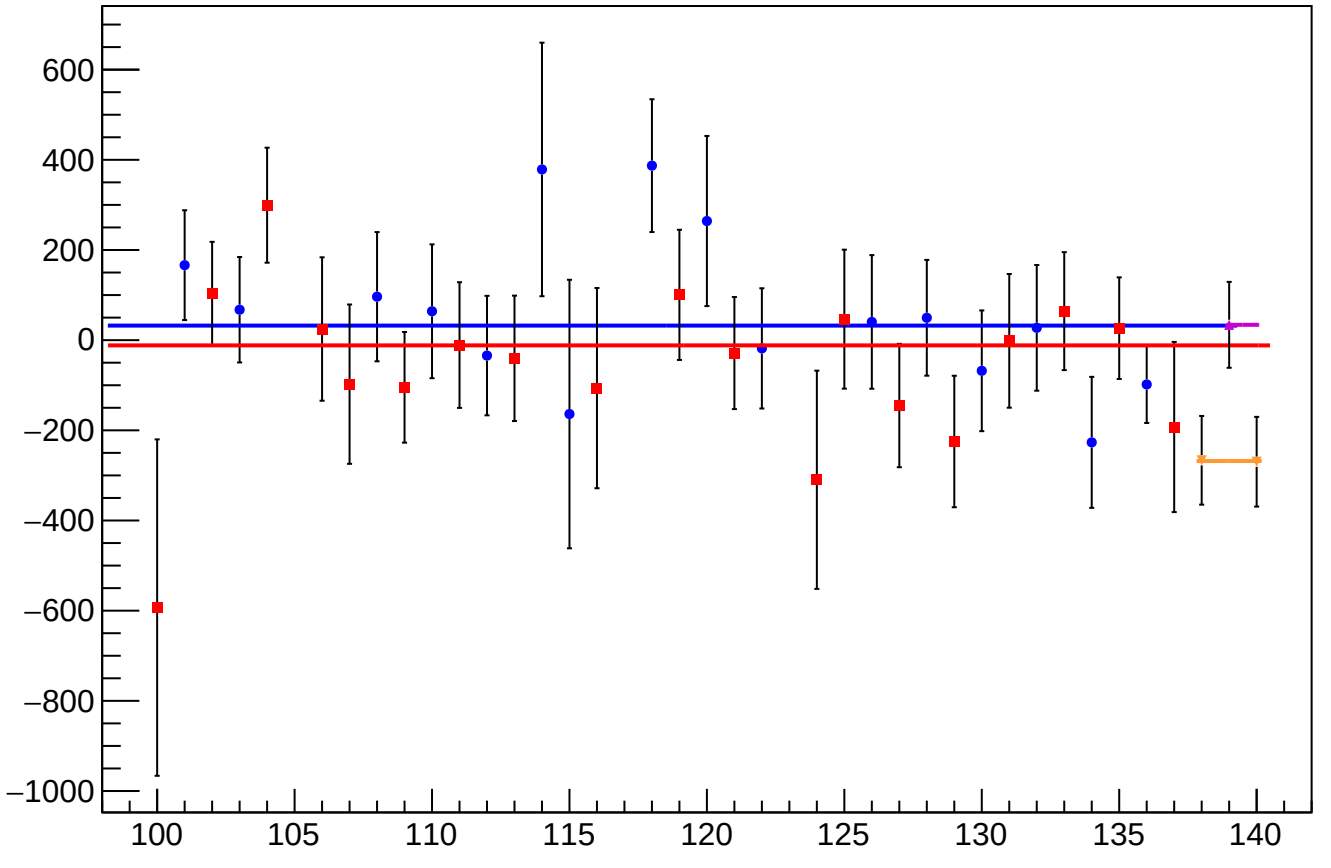
Left: 552.133+/-0.250 χ^2/NDF: 28117.0/2

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 649.759+/-0.167 χ^2/NDF:911921.5/16

Out: 639.709+/-0.155 χ^2/NDF:865839.0/20

All: 644.362+/-0.113 χ^2/NDF: 1779713.0/37



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -268.062+/-69.956 χ^2/NDF:0.0/1

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 34.002+/-95.248 χ^2/NDF:0.0/0

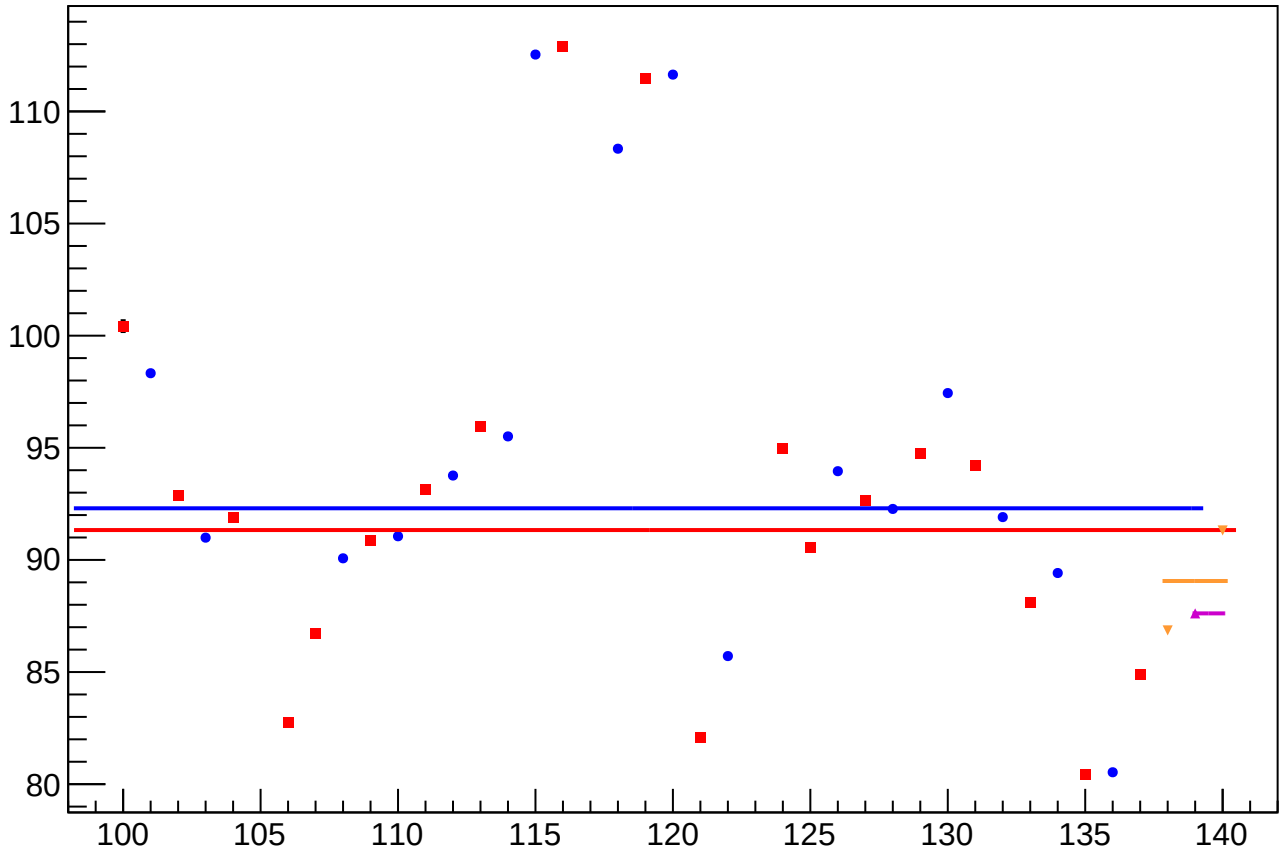
Left: -162.216+/-56.383 χ^2/NDF: 6.5/2

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: 32.508+/-32.378 χ^2/NDF:17.3/16

Out: -59.534+/-30.250 χ^2/NDF:28.1/20

All: -16.638+/-22.104 χ^2/NDF: 49.7/37



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 89.060+/-0.049 χ^2/NDF:2030.2/1

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 87.616+/-0.067 χ^2/NDF:0.0/0

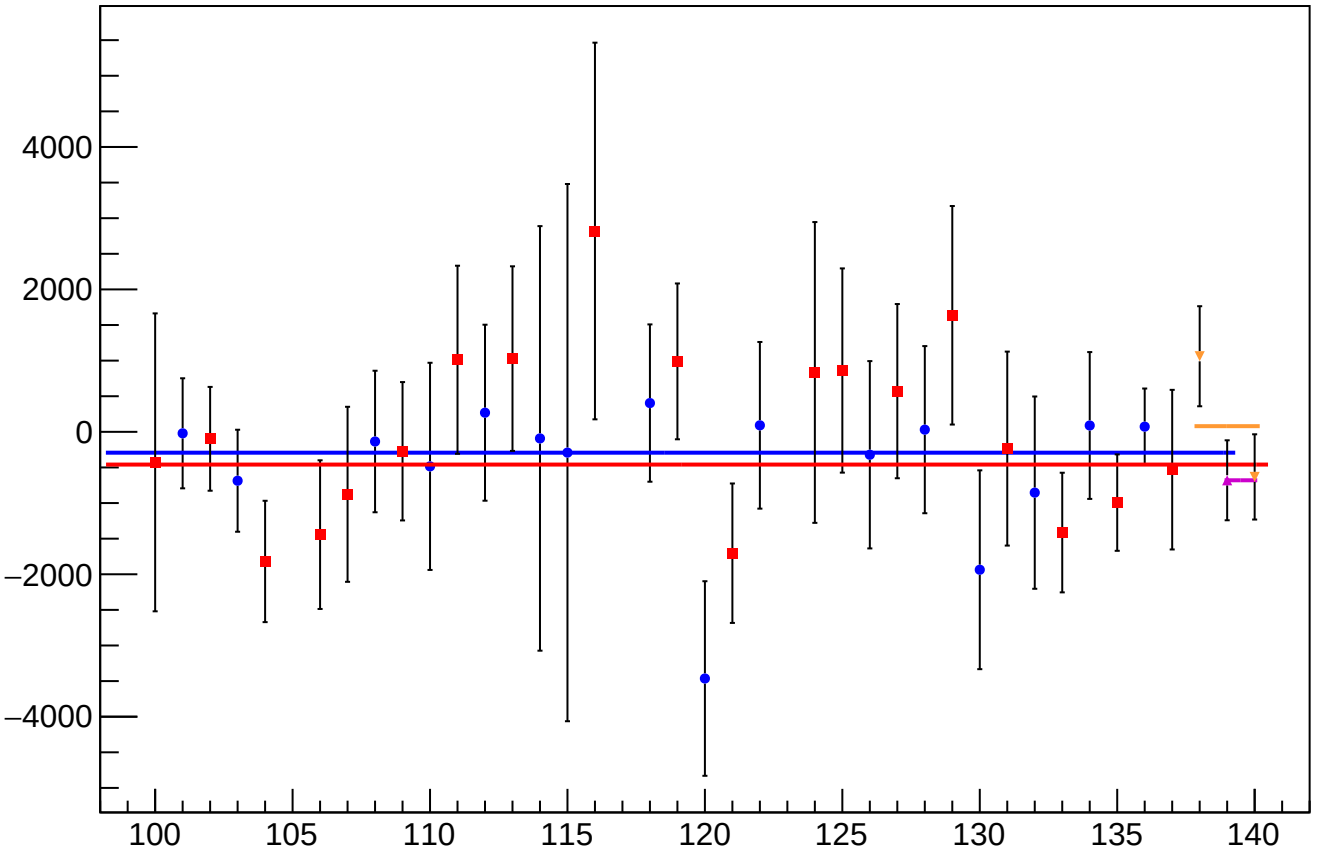
Left: 88.554+/-0.040 χ^2/NDF: 2328.9/2

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 91.761+/-0.023 χ^2/NDF:111348.5/16

Out: 90.907+/-0.021 χ^2/NDF:108663.3/20

All: 91.305+/-0.016 χ^2/NDF: 220754.0/37



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 79.651+/-455.582 χ^2/NDF:3.4/1

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -680.254+/-561.516 χ^2/NDF:0.0/0

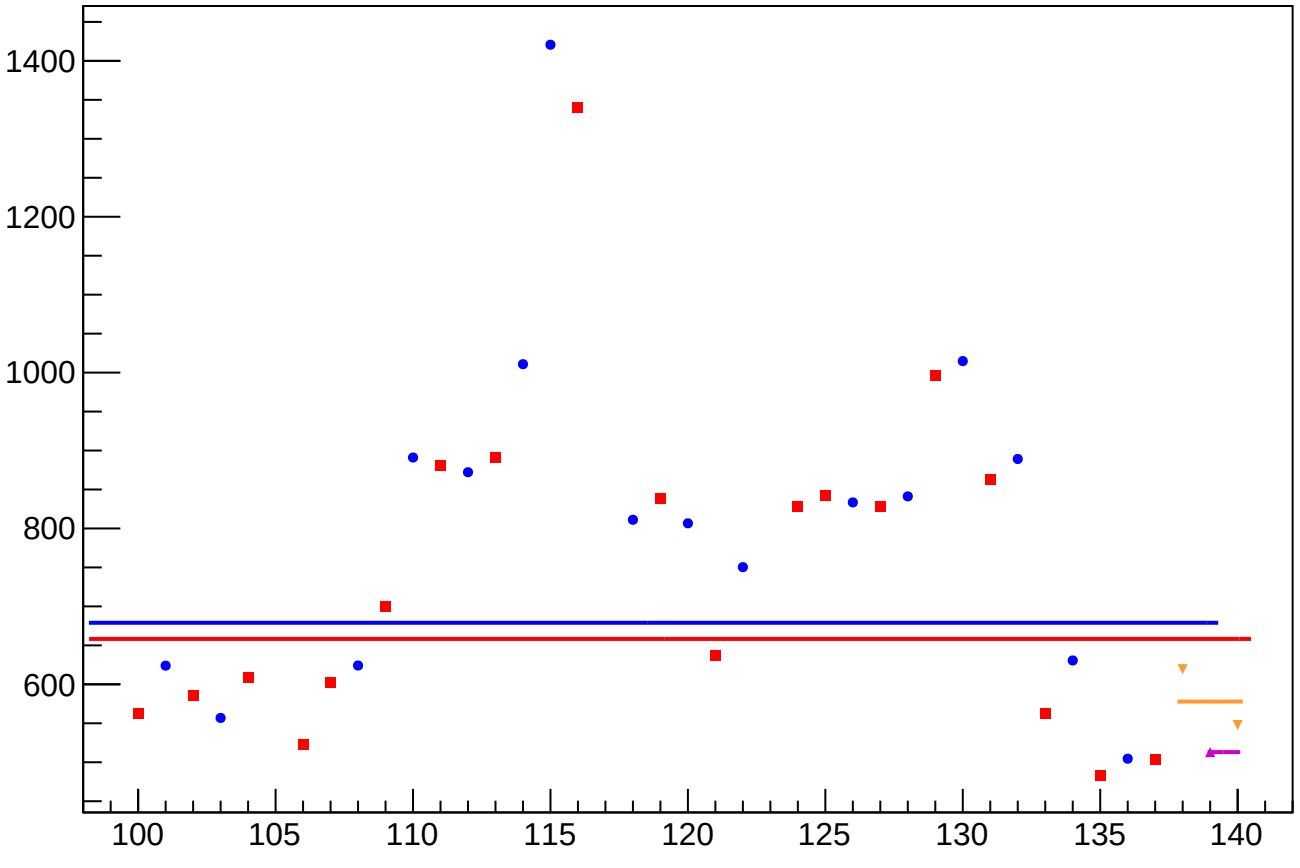
Left: -222.004+/-353.784 χ^2/NDF: 4.5/2

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -361.032+/-235.705 χ^2/NDF:9.2/16

Out: -335.146+/-218.861 χ^2/NDF:21.5/20

All: -347.131+/-160.383 χ^2/NDF: 30.7/37



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 577.871+/-0.322 χ^2/NDF:12037.7/1

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 513.036+/-0.397 χ^2/NDF:0.0/0

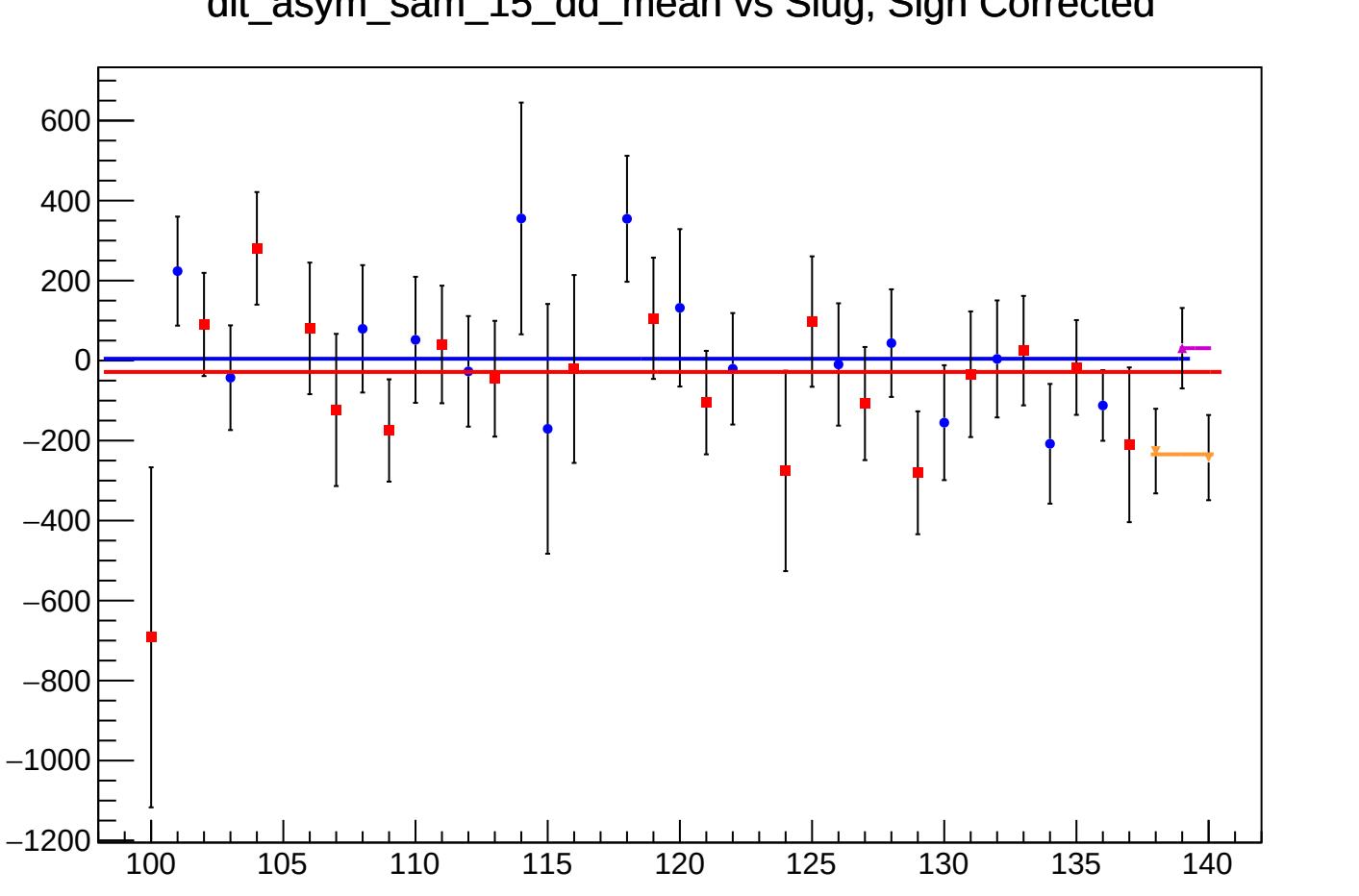
Left: 552.133+/-0.250 χ^2/NDF: 28117.0/2

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 649.759+/-0.167 χ^2/NDF:911921.5/16

Out: 639.709+/-0.155 χ^2/NDF:865839.0/20

All: 644.362+/-0.113 χ^2/NDF: 1779713.0/37



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -234.358+/-75.065 χ^2/NDF:0.0/1

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 30.960+/-100.595 χ^2/NDF:0.0/0

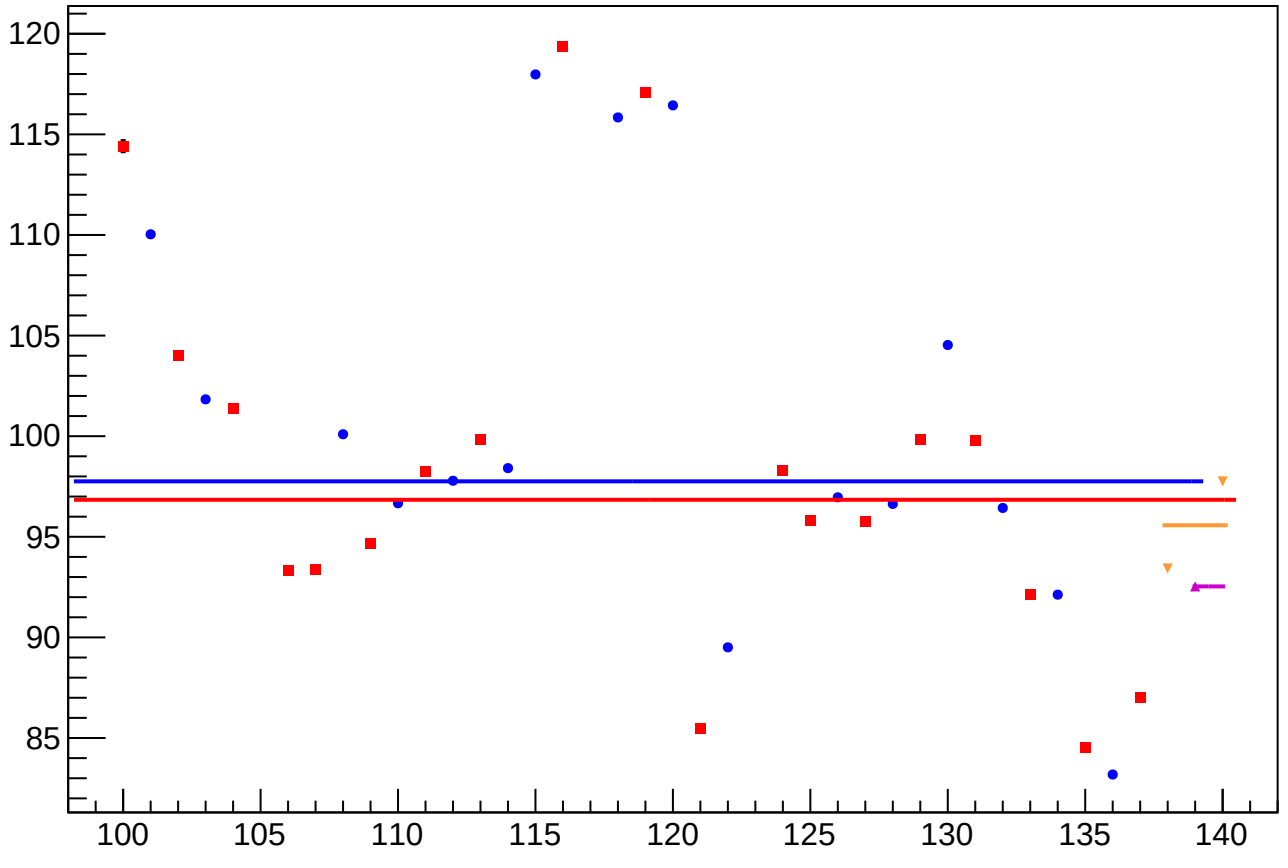
Left: -139.461+/-60.161 χ^2/NDF: 4.5/2

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: 7.685+/-34.319 χ^2/NDF:15.4/16

Out: -65.989+/-32.066 χ^2/NDF:23.3/20

All: -31.649+/-23.430 χ^2/NDF: 41.1/37



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 95.574+/-0.053 χ^2/NDF:1662.5/1

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 92.535+/-0.071 χ^2/NDF:0.0/0

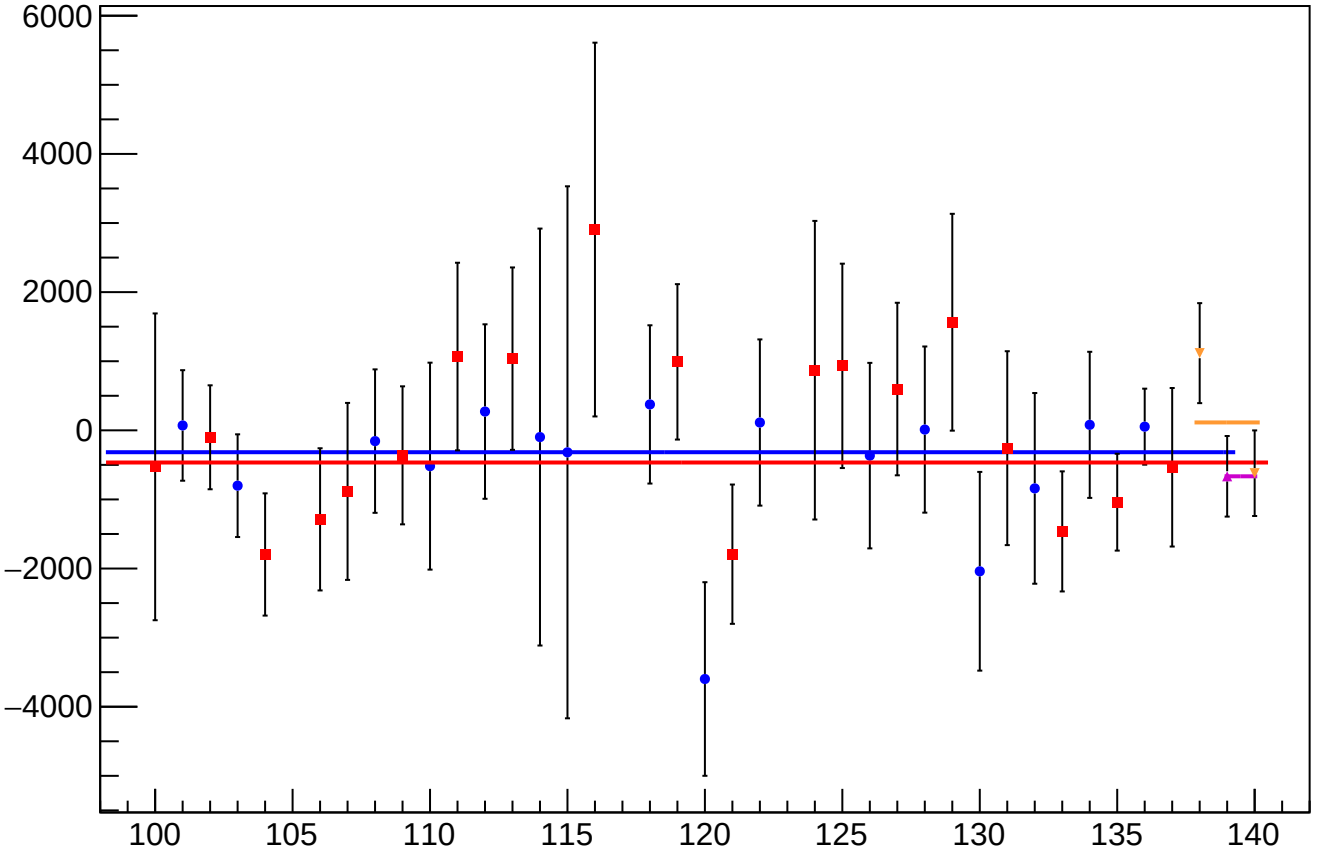
Left: 94.487+/-0.043 χ^2/NDF: 2834.8/2

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 97.148+/-0.024 χ^2/NDF:145414.9/16

Out: 96.609+/-0.023 χ^2/NDF:117298.5/20

All: 96.860+/-0.017 χ^2/NDF: 262977.4/37



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 114.272+/-470.514 χ^2/NDF:3.3/1

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -665.295+/-583.225 χ^2/NDF:0.0/0

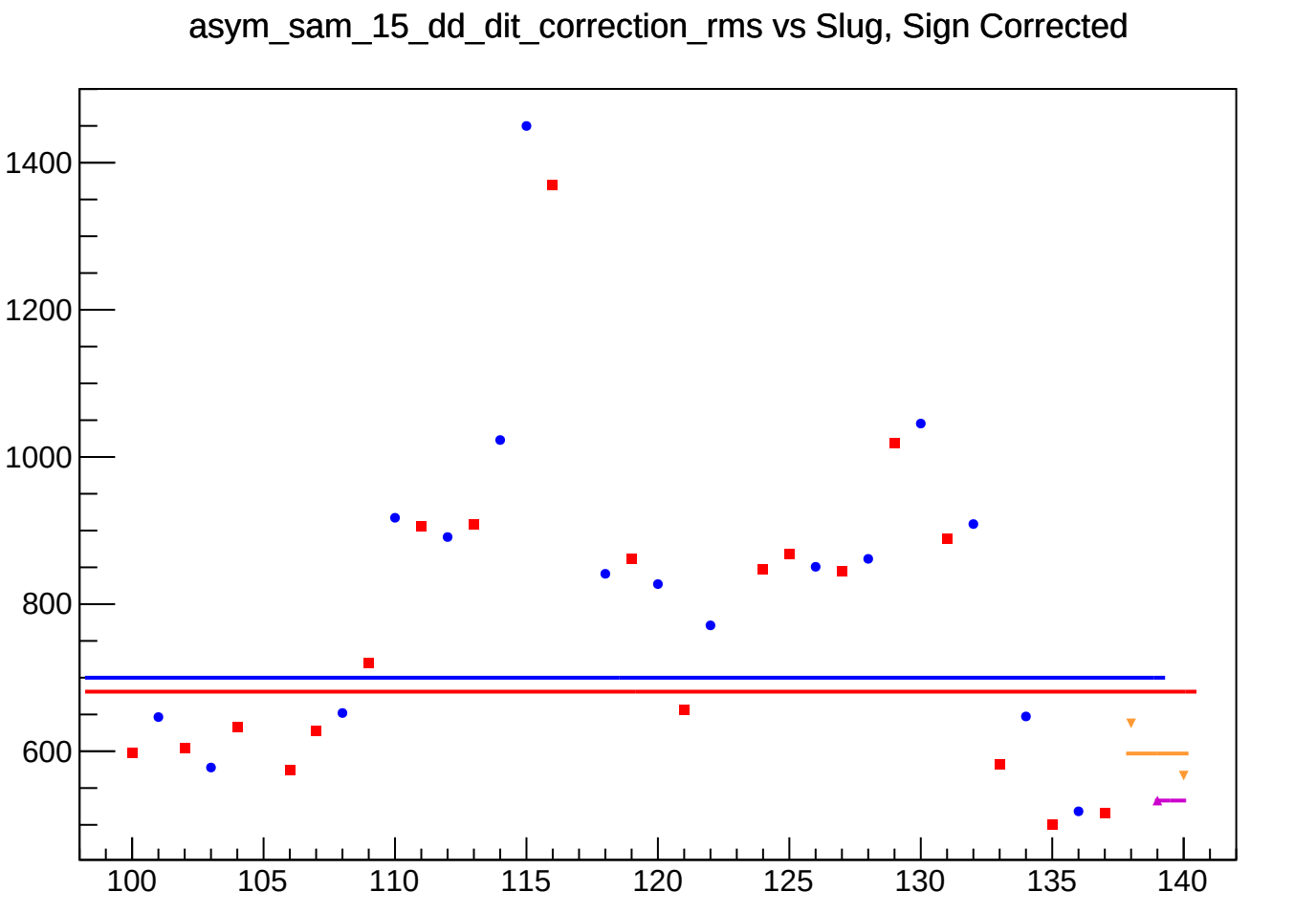
Left: -193.069+/-366.202 χ^2/NDF: 4.4/2

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -377.187+/-243.156 χ^2/NDF:9.4/16

Out: -332.616+/-225.308 χ^2/NDF:21.0/20

All: -353.205+/-165.267 χ^2/NDF: 30.4/37



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 596.943+/-0.333 χ^2/NDF:11106.4/1

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 533.015+/-0.412 χ^2/NDF:0.0/0

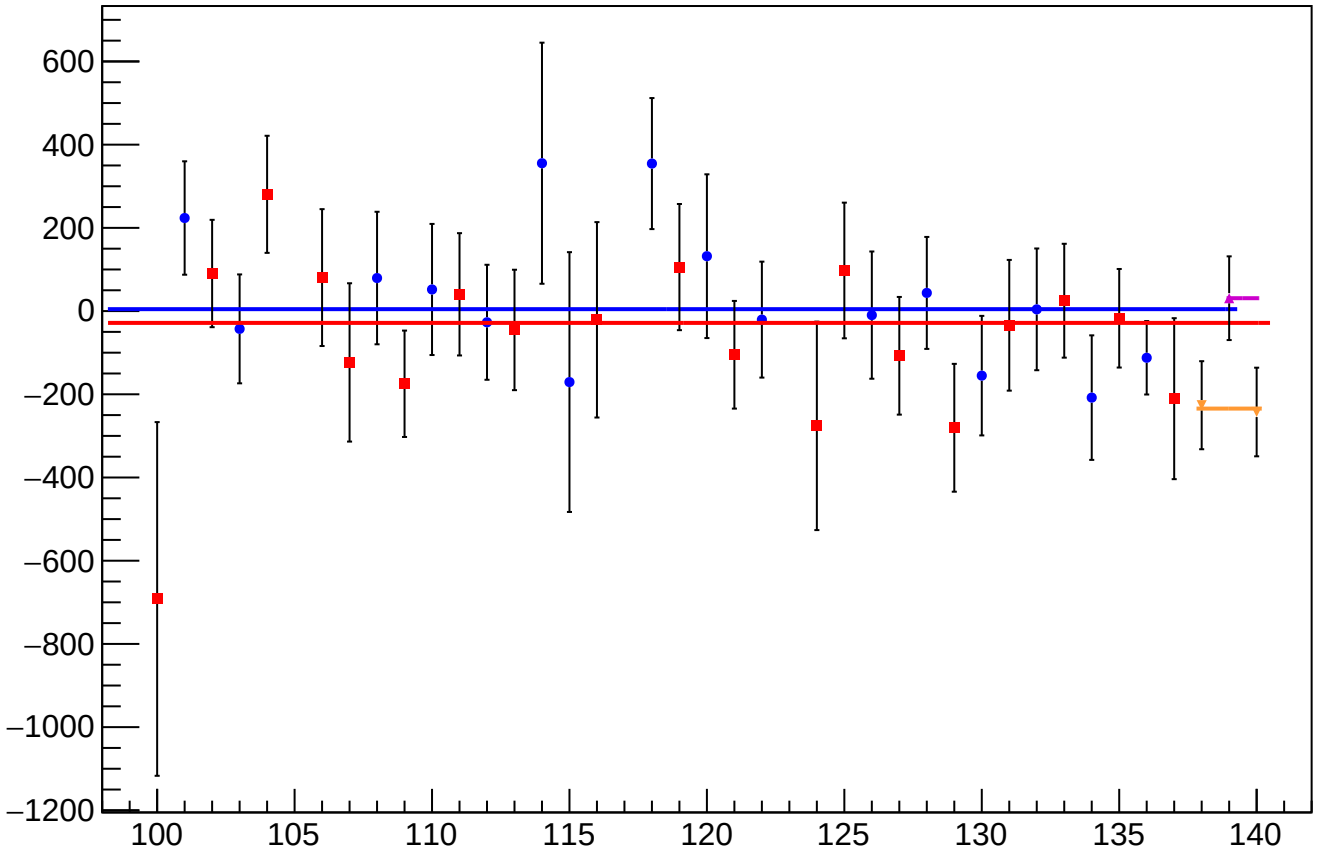
Left: 571.740+/-0.259 χ^2/NDF: 25662.0/2

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 670.952+/-0.172 χ^2/NDF:889073.4/16

Out: 661.738+/-0.159 χ^2/NDF:829717.7/20

All: 665.995+/-0.117 χ^2/NDF: 1720336.3/37



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -234.357+/-75.065 χ^2/NDF:0.0/1

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 30.959+/-100.595 χ^2/NDF:0.0/0

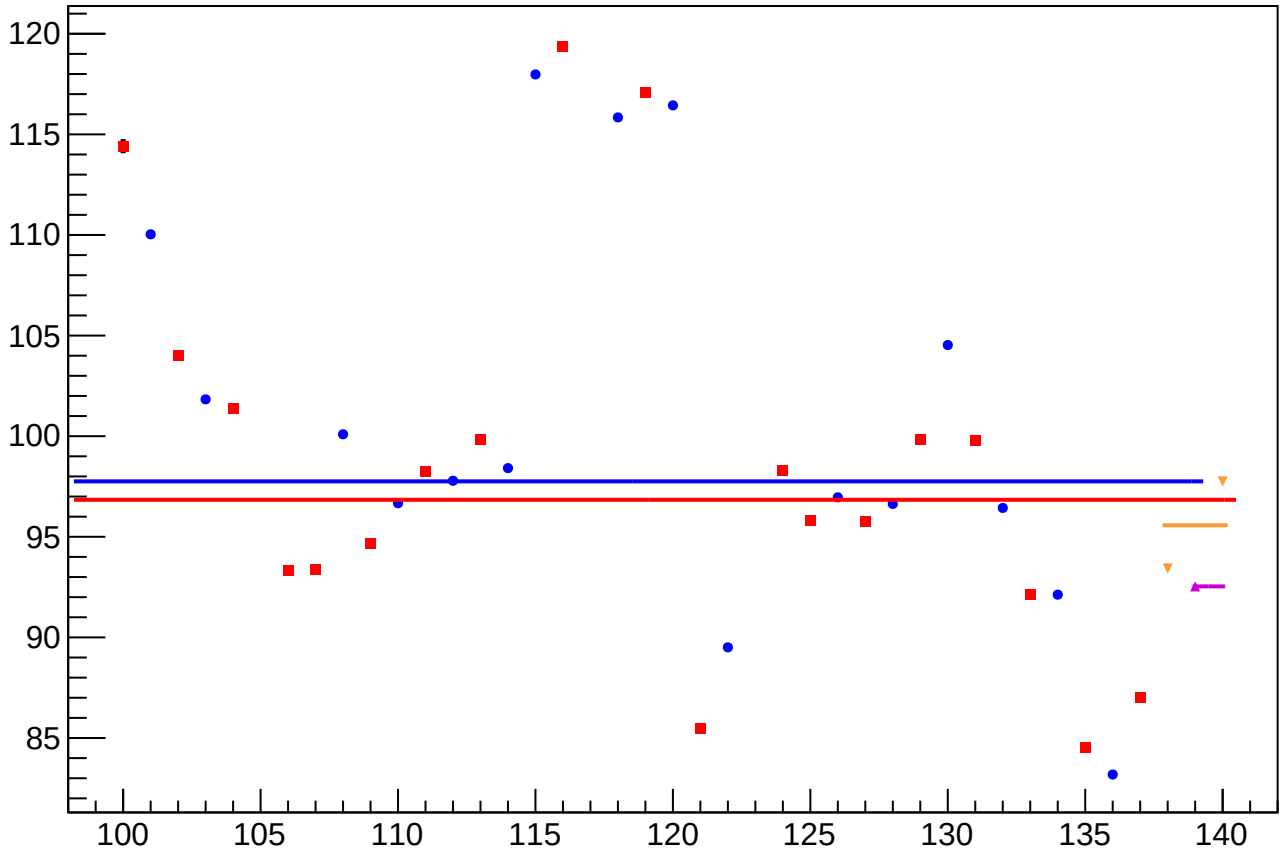
Left: -139.462+/-60.161 χ^2/NDF: 4.5/2

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: 7.686+/-34.319 χ^2/NDF:15.4/16

Out: -65.989+/-32.066 χ^2/NDF:23.3/20

All: -31.649+/-23.430 χ^2/NDF: 41.1/37



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 95.574+/-0.053 χ^2/NDF:1662.4/1

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 92.535+/-0.071 χ^2/NDF:0.0/0

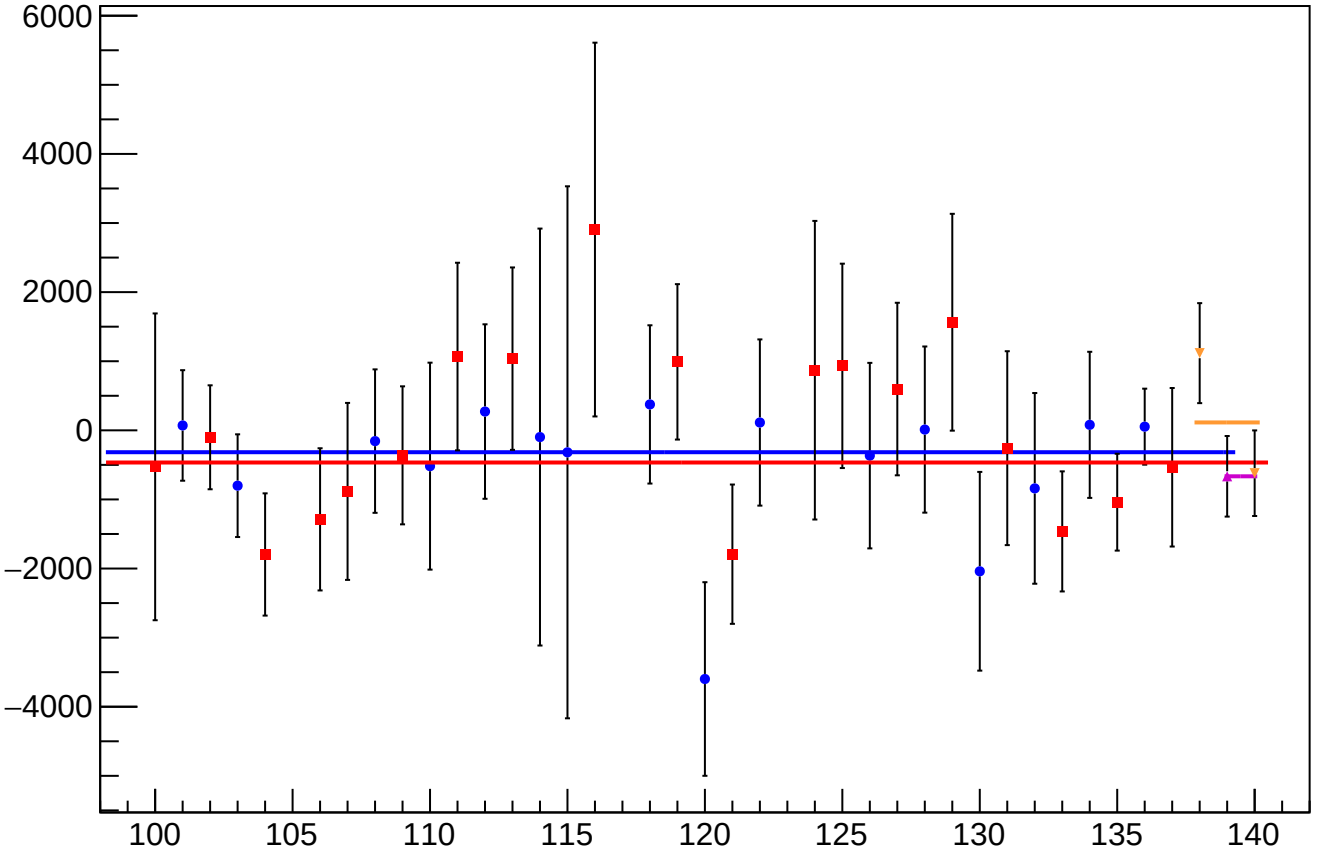
Left: 94.487+/-0.043 χ^2/NDF: 2834.8/2

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 97.148+/-0.024 χ^2/NDF:145414.2/16

Out: 96.609+/-0.023 χ^2/NDF:117300.1/20

All: 96.860+/-0.017 χ^2/NDF: 262978.2/37



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 114.272+/-470.515 χ^2/NDF:3.3/1

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -665.297+/-583.226 χ^2/NDF:0.0/0

Left: -193.071+/-366.202 χ^2/NDF: 4.4/2

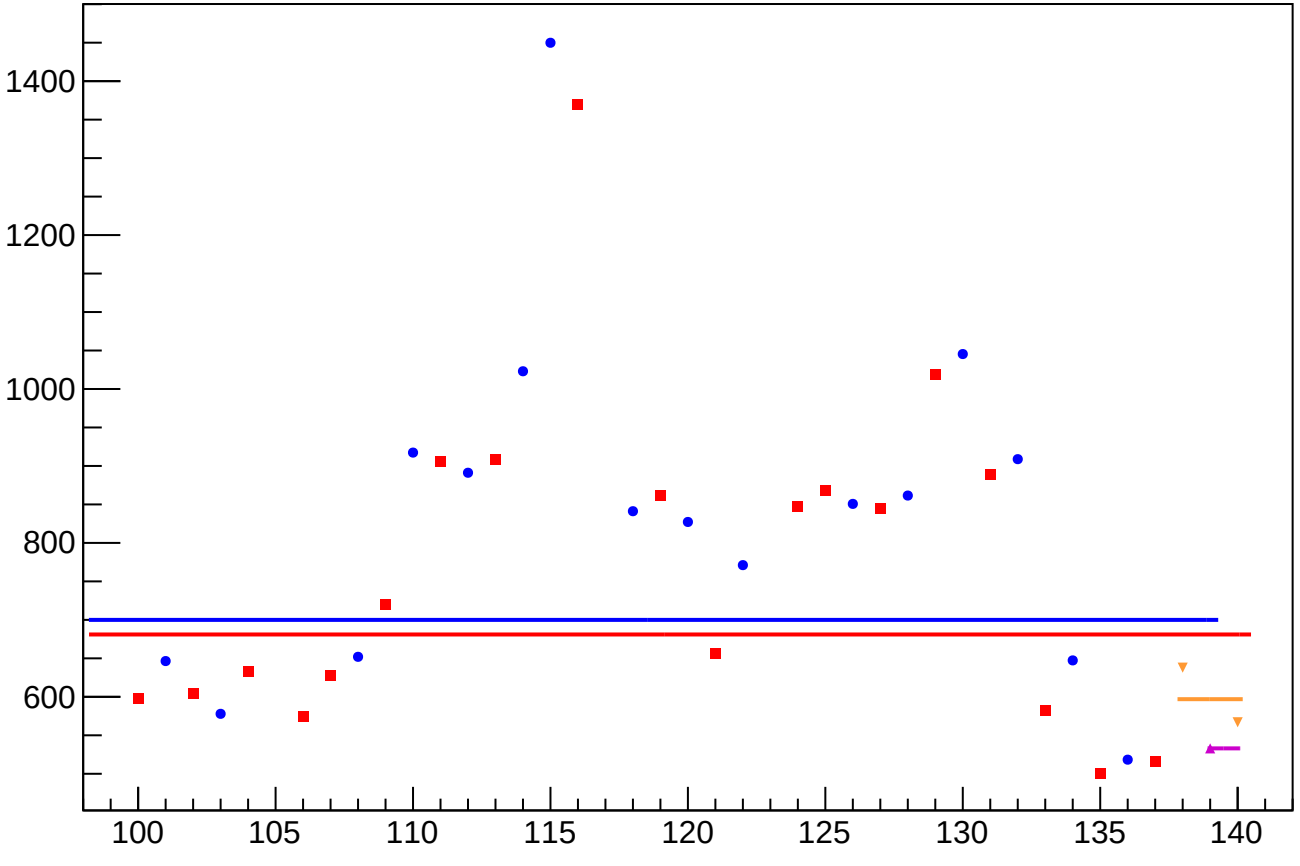
Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -377.185+/-243.156 χ^2/NDF:9.4/16

Out: -332.617+/-225.308 χ^2/NDF:21.0/20

All: -353.205+/-165.267 χ^2/NDF: 30.4/37

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 596.945+/-0.333 χ^2/NDF:11106.5/1

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 533.016+/-0.412 χ^2/NDF:0.0/0

Left: 571.741+/-0.259 χ^2/NDF: 25662.5/2

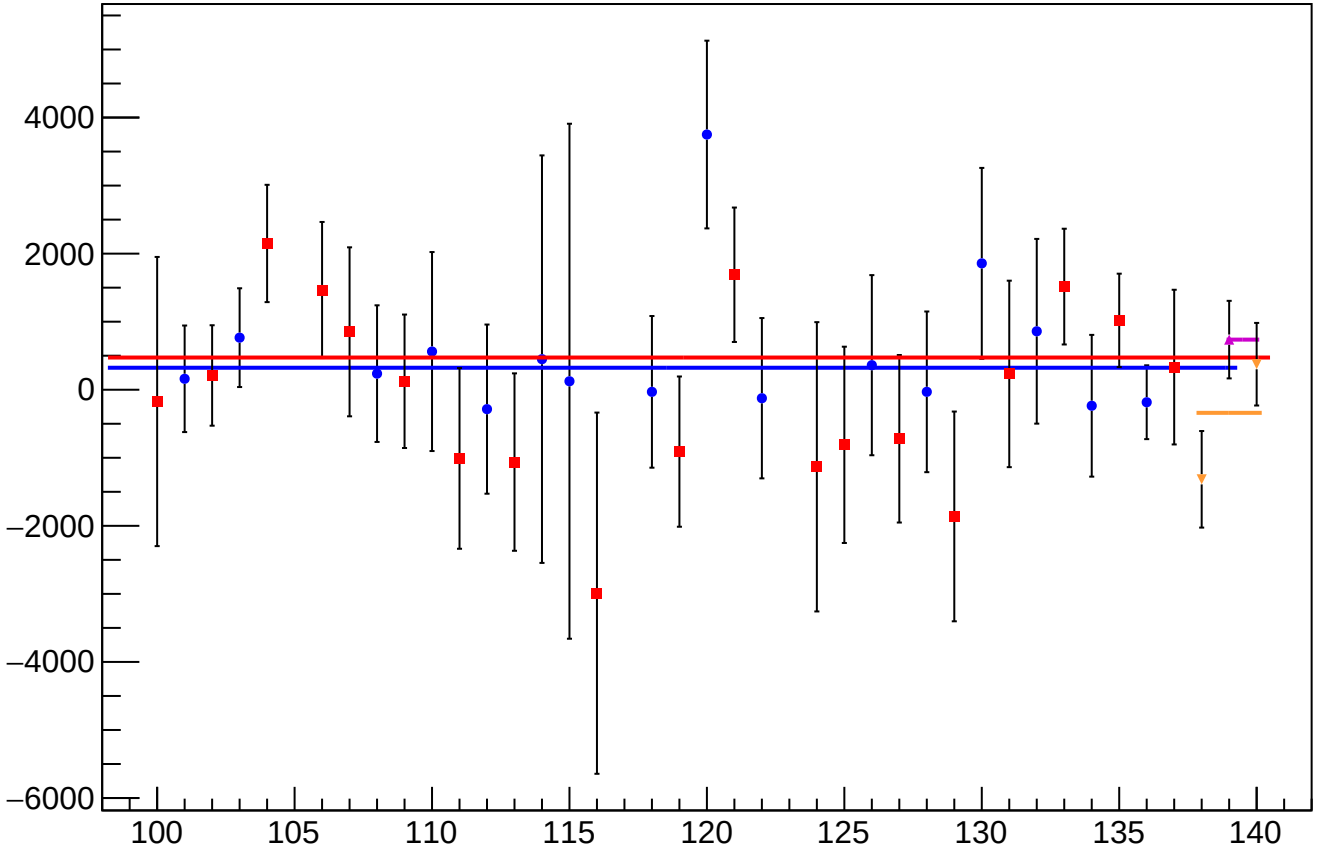
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 670.951+/-0.172 χ^2/NDF:889072.3/16

Out: 661.738+/-0.159 χ^2/NDF:829717.0/20

All: 665.994+/-0.117 χ^2/NDF: 1720334.4/37

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -339.542+/-461.202 χ^2/NDF:3.3/1

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 736.444+/-569.893 χ^2/NDF:0.0/0

Left: 86.274+/-358.510 χ^2/NDF: 5.4/2

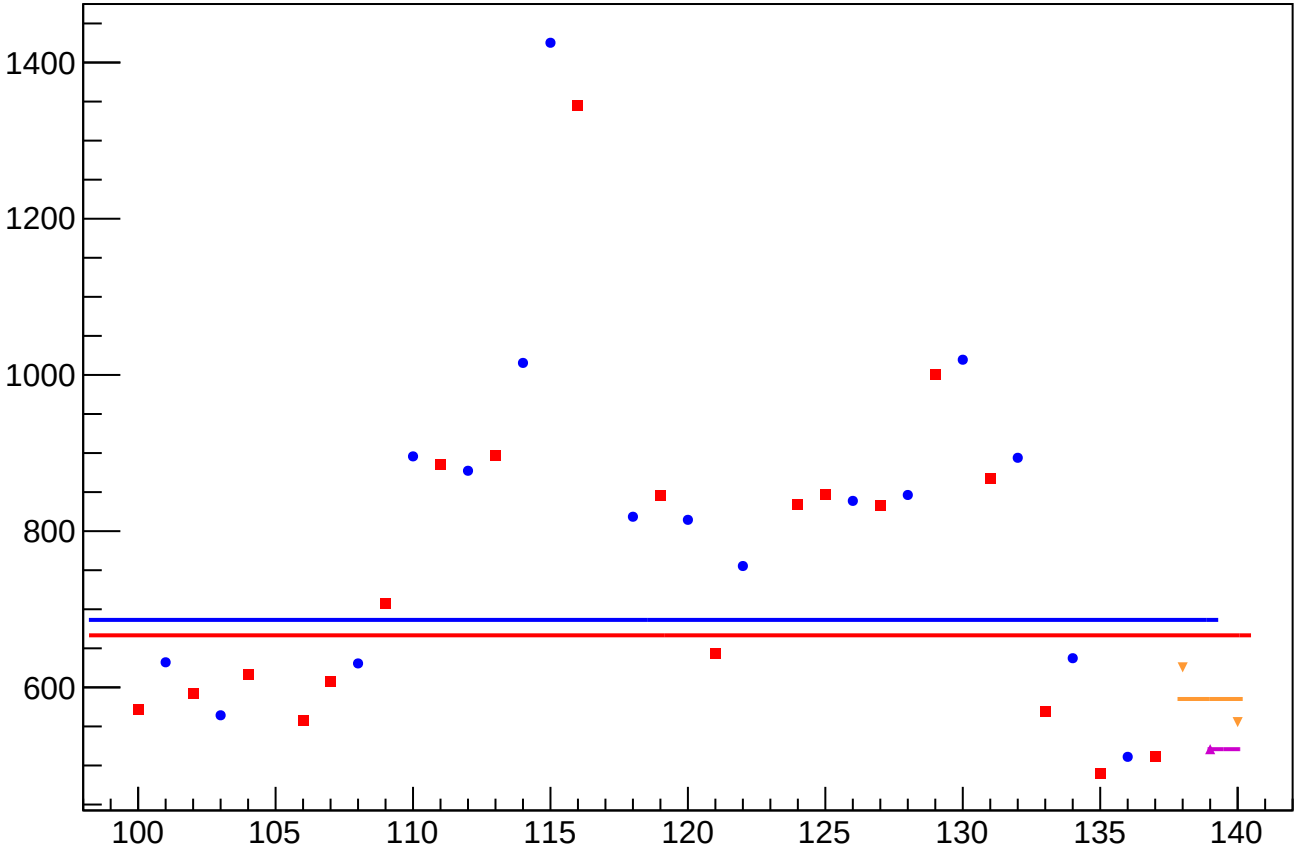
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 395.452+/-238.298 χ^2/NDF:10.1/16

Out: 287.132+/-220.689 χ^2/NDF:25.1/20

All: 337.143+/-161.918 χ^2/NDF: 35.3/37

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 585.141+/-0.326 χ^2/NDF:11273.6/1

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 520.882+/-0.403 χ^2/NDF:0.0/0

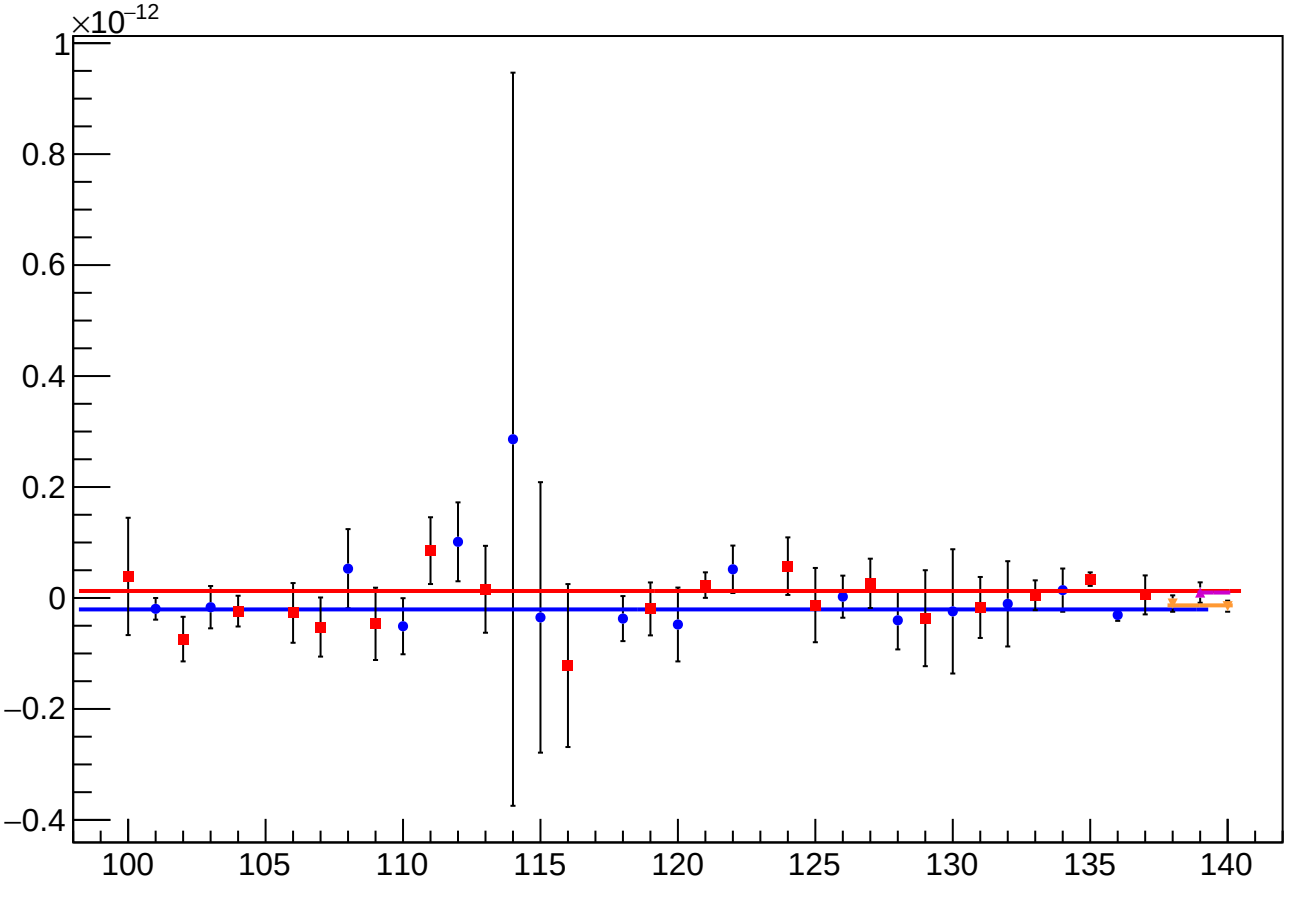
Left: 559.711+/-0.254 χ^2/NDF: 26638.6/2

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 657.455+/-0.169 χ^2/NDF:888654.9/16

Out: 647.975+/-0.156 χ^2/NDF:836454.0/20

All: 652.352+/-0.114 χ^2/NDF: 1726812.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

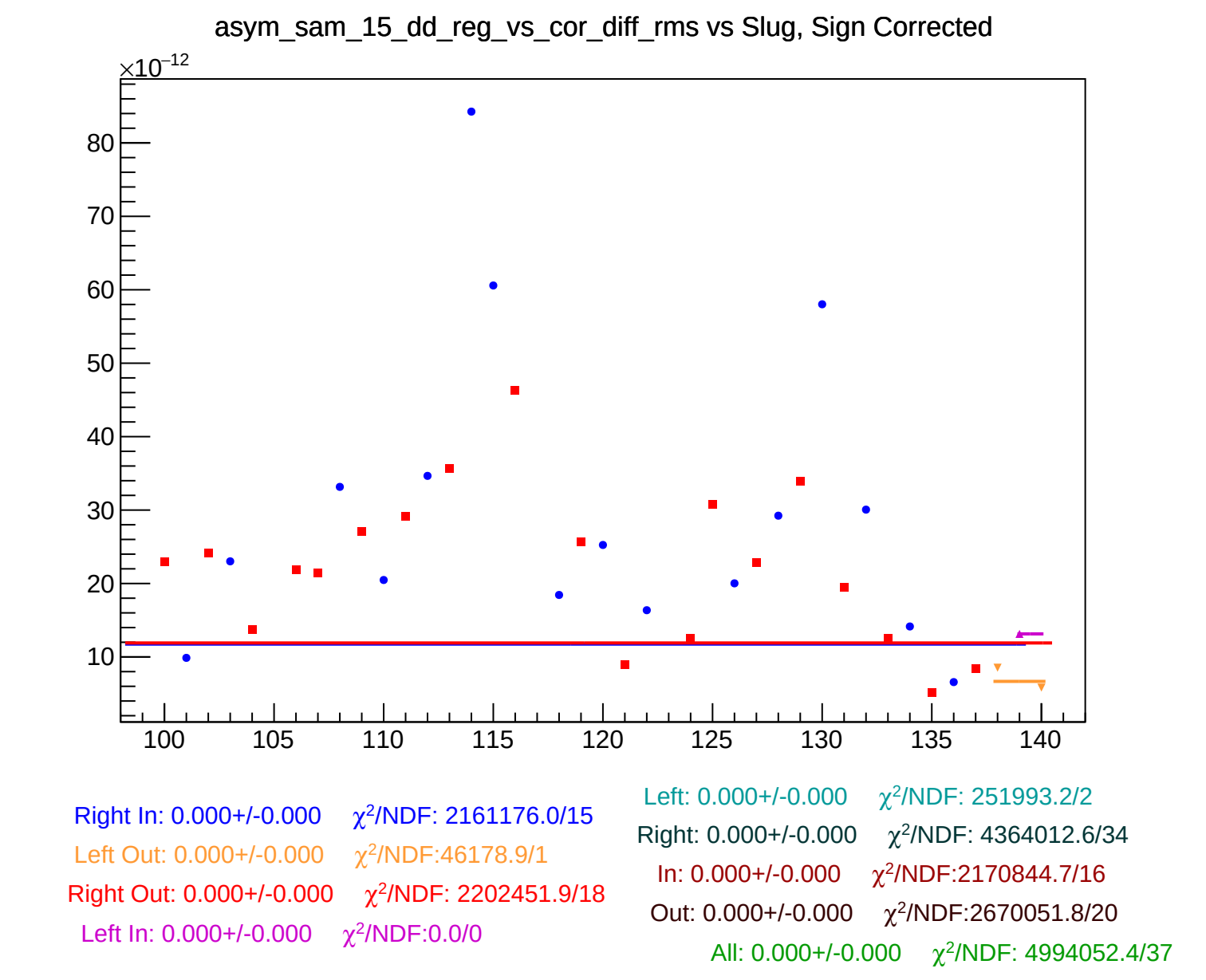
Left: -0.000+/-0.000 χ^2/NDF: 1.4/2

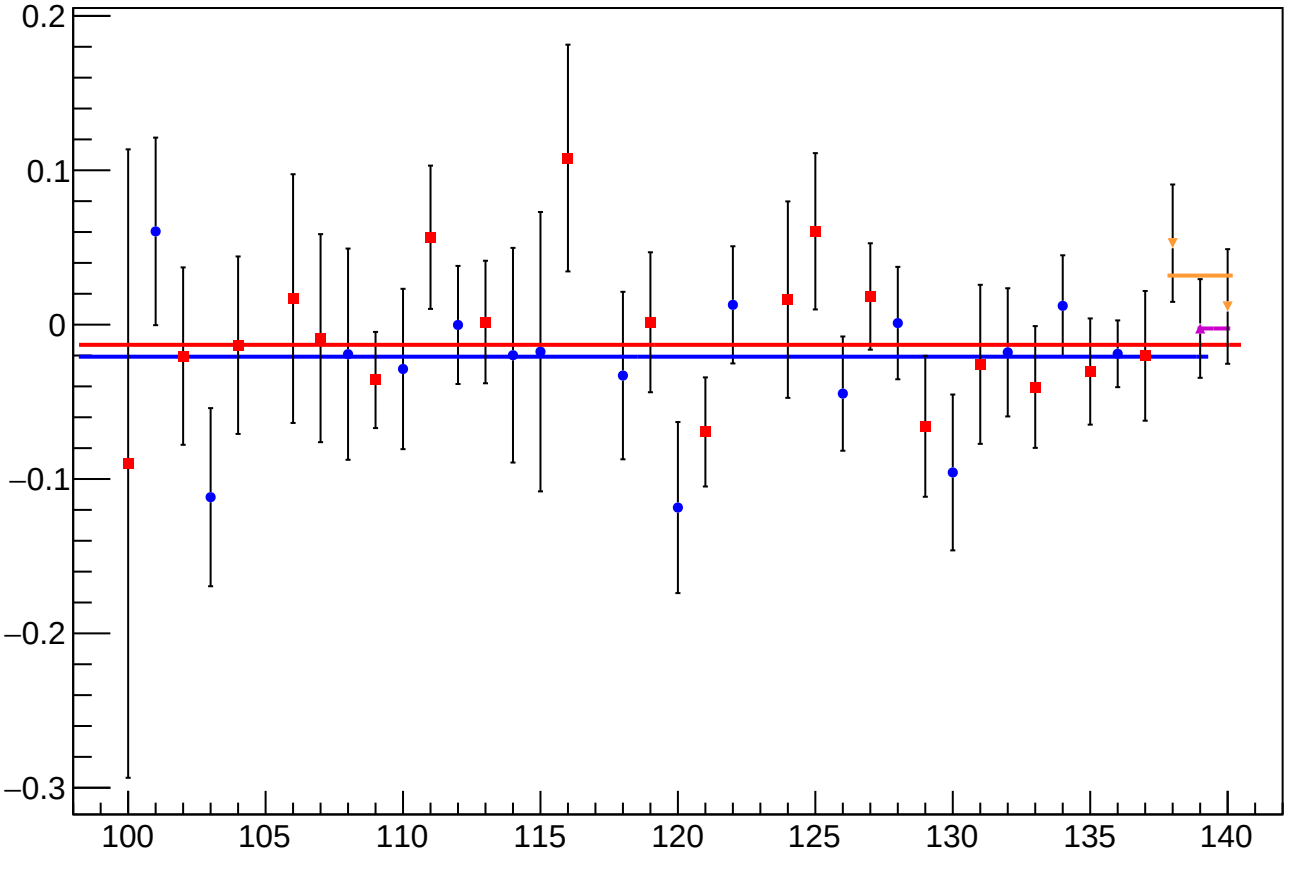
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:12.3/16

Out: 0.000+/-0.000 χ^2/NDF:22.3/20

All: -0.000+/-0.000 χ^2/NDF: 37.8/37


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:46178.9/1
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 251993.2/2
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2170844.7/16
Out: 0.000+/-0.000 χ²/NDF:2670051.8/20
All: 0.000+/-0.000 χ²/NDF: 4994052.4/37



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.032+/-0.027 χ^2/NDF:0.6/1

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.002+/-0.032 χ^2/NDF:0.0/0

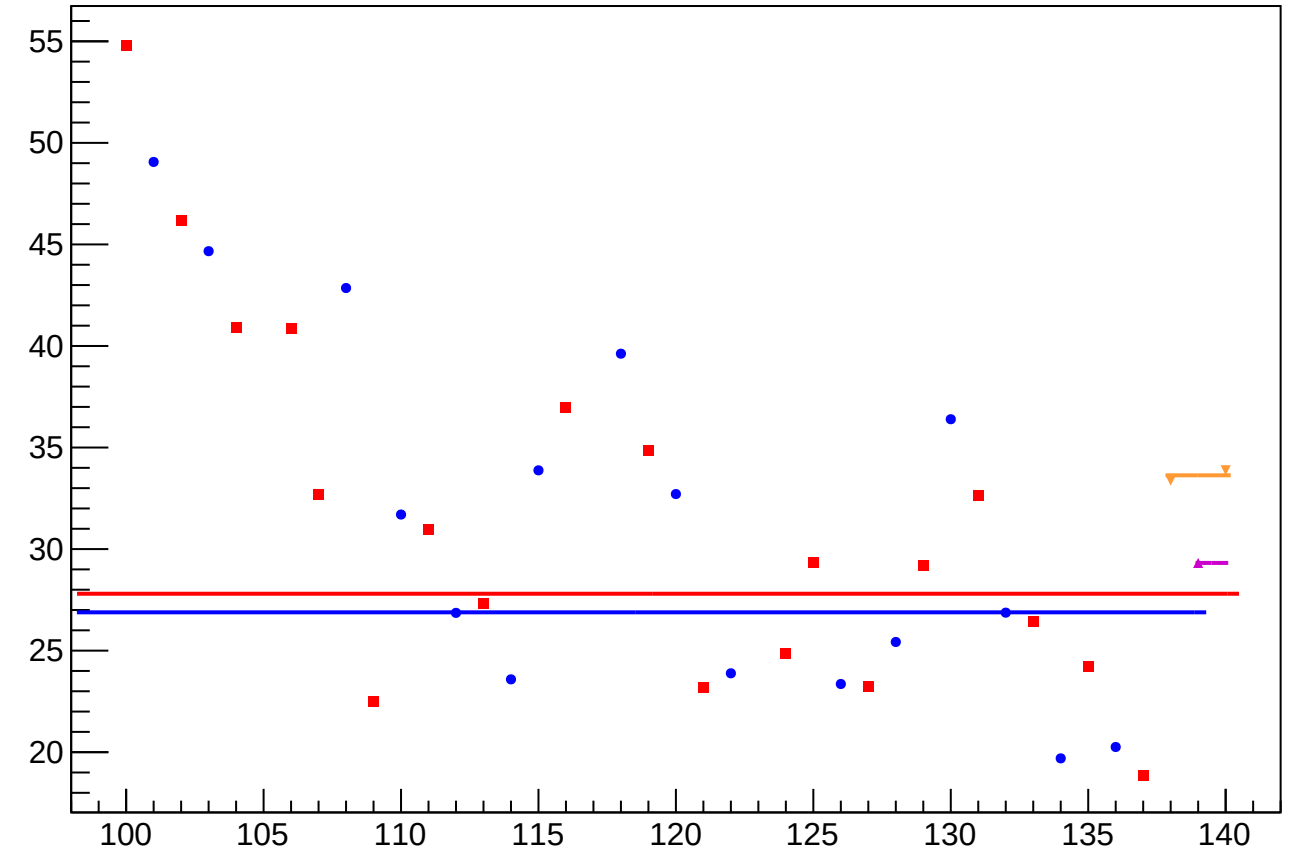
Left: 0.018+/-0.020 χ^2/NDF: 1.3/2

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.010 χ^2/NDF:12.8/16

Out: -0.007+/-0.010 χ^2/NDF:17.0/20

All: -0.013+/-0.007 χ^2/NDF: 30.5/37



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 33.632+/-0.019 χ^2/NDF:182.3/1

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 29.319+/-0.023 χ^2/NDF:0.0/0

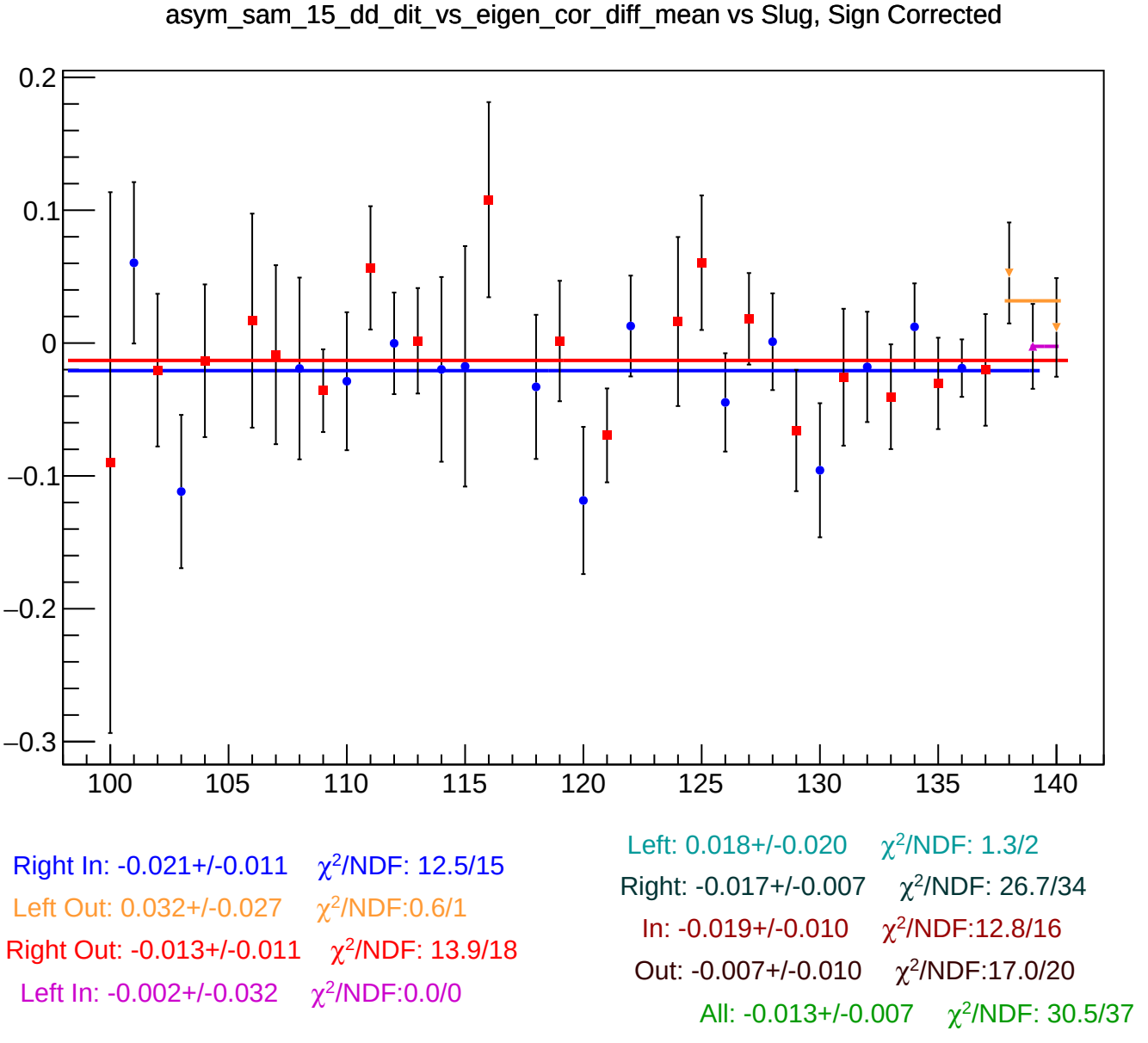
Left: 31.870+/-0.014 χ^2/NDF: 21732.4/2

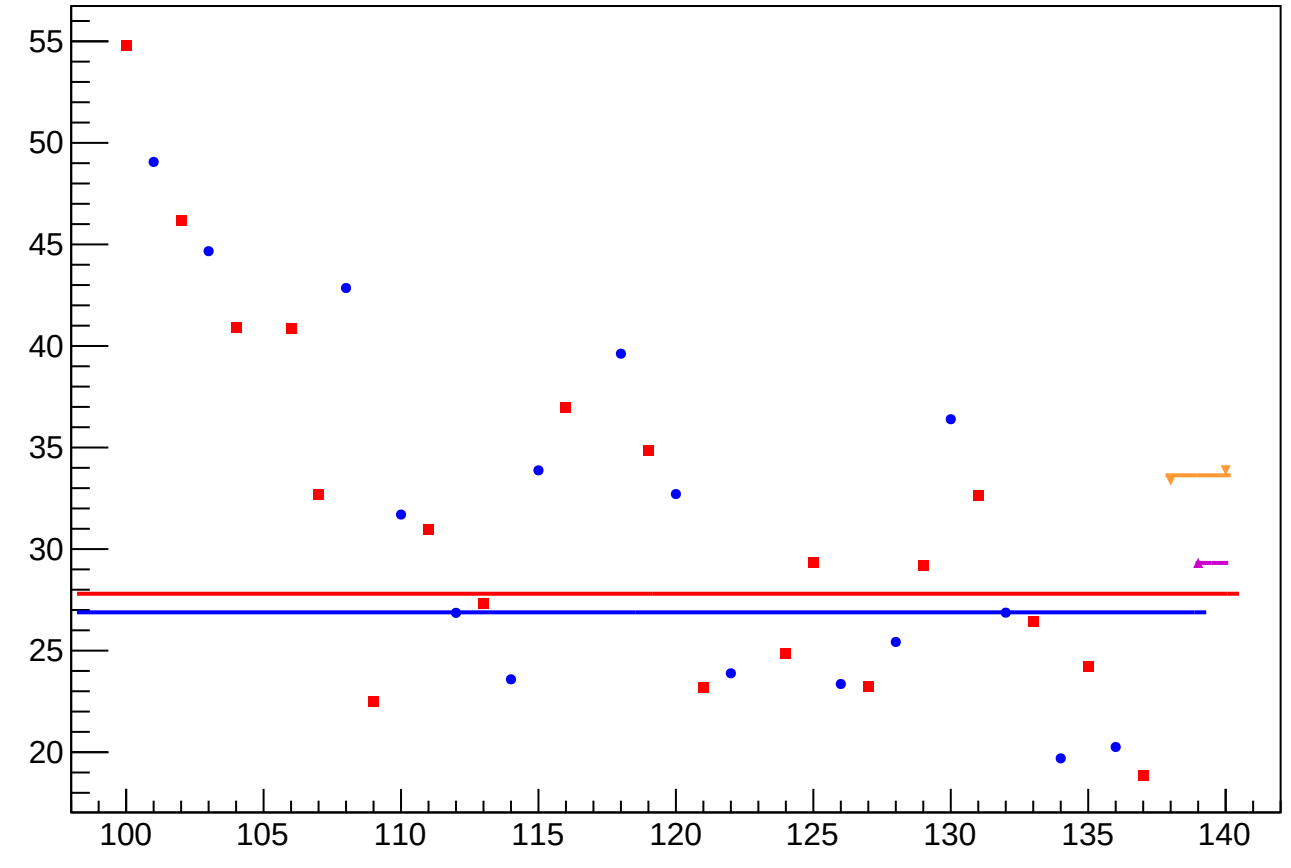
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 27.123+/-0.007 χ^2/NDF:1131012.2/16

Out: 28.595+/-0.007 χ^2/NDF:846563.0/20

All: 27.873+/-0.005 χ^2/NDF: 1999718.9/37


asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
105
110
115
120
125
130
135
140
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.032+/-0.027 χ²/NDF:0.6/1
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: -0.002+/-0.032 χ²/NDF:0.0/0
Left: 0.018+/-0.020 χ²/NDF: 1.3/2
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.019+/-0.010 χ²/NDF:12.8/16
Out: -0.007+/-0.010 χ²/NDF:17.0/20
All: -0.013+/-0.007 χ²/NDF: 30.5/37



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 33.632+/-0.019 χ^2/NDF:182.3/1

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 29.319+/-0.023 χ^2/NDF:0.0/0

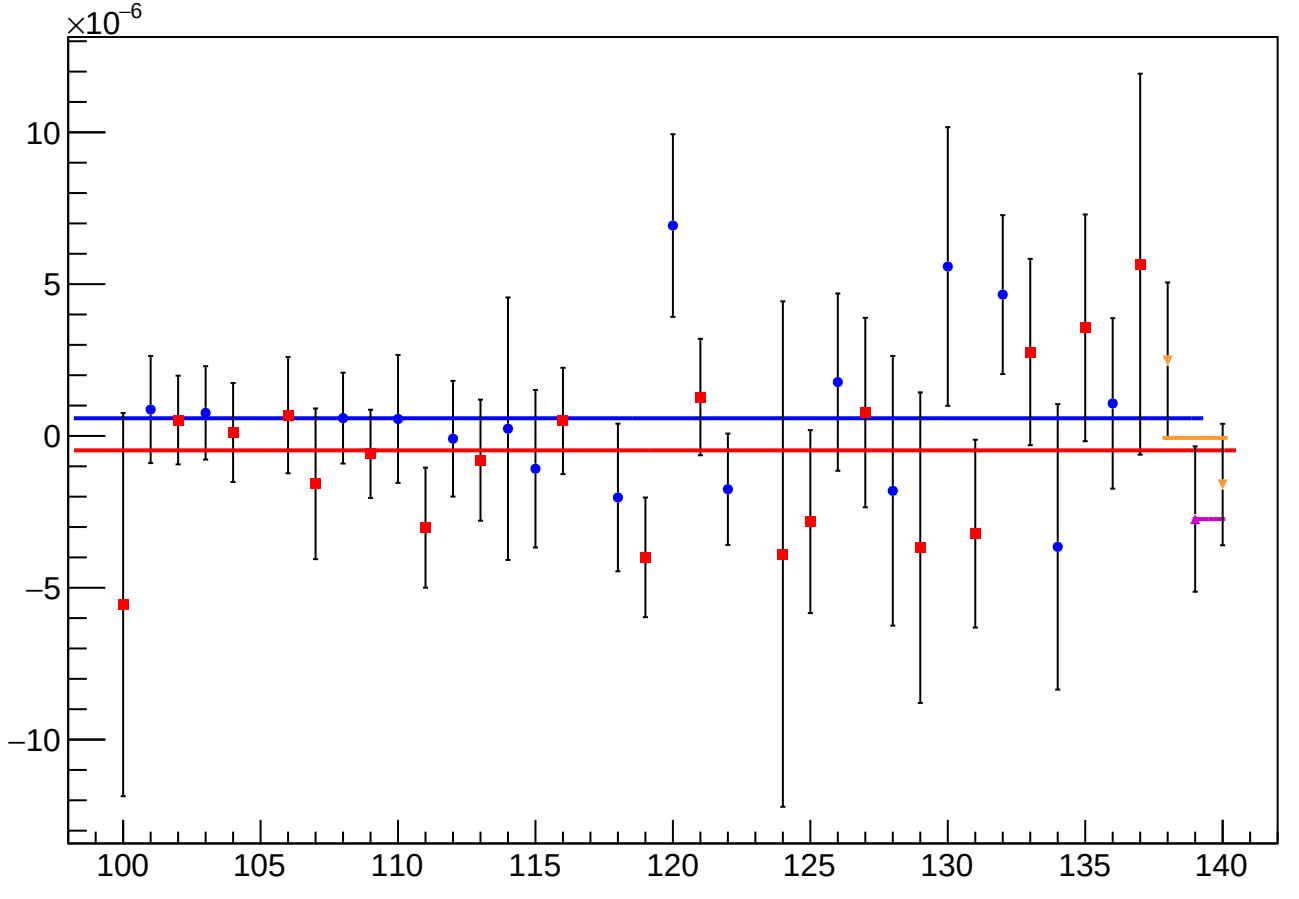
Left: 31.870+/-0.014 χ^2/NDF: 21732.4/2

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 27.123+/-0.007 χ^2/NDF:1131012.2/16

Out: 28.595+/-0.007 χ^2/NDF:846563.0/20

All: 27.873+/-0.005 χ^2/NDF: 1999718.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

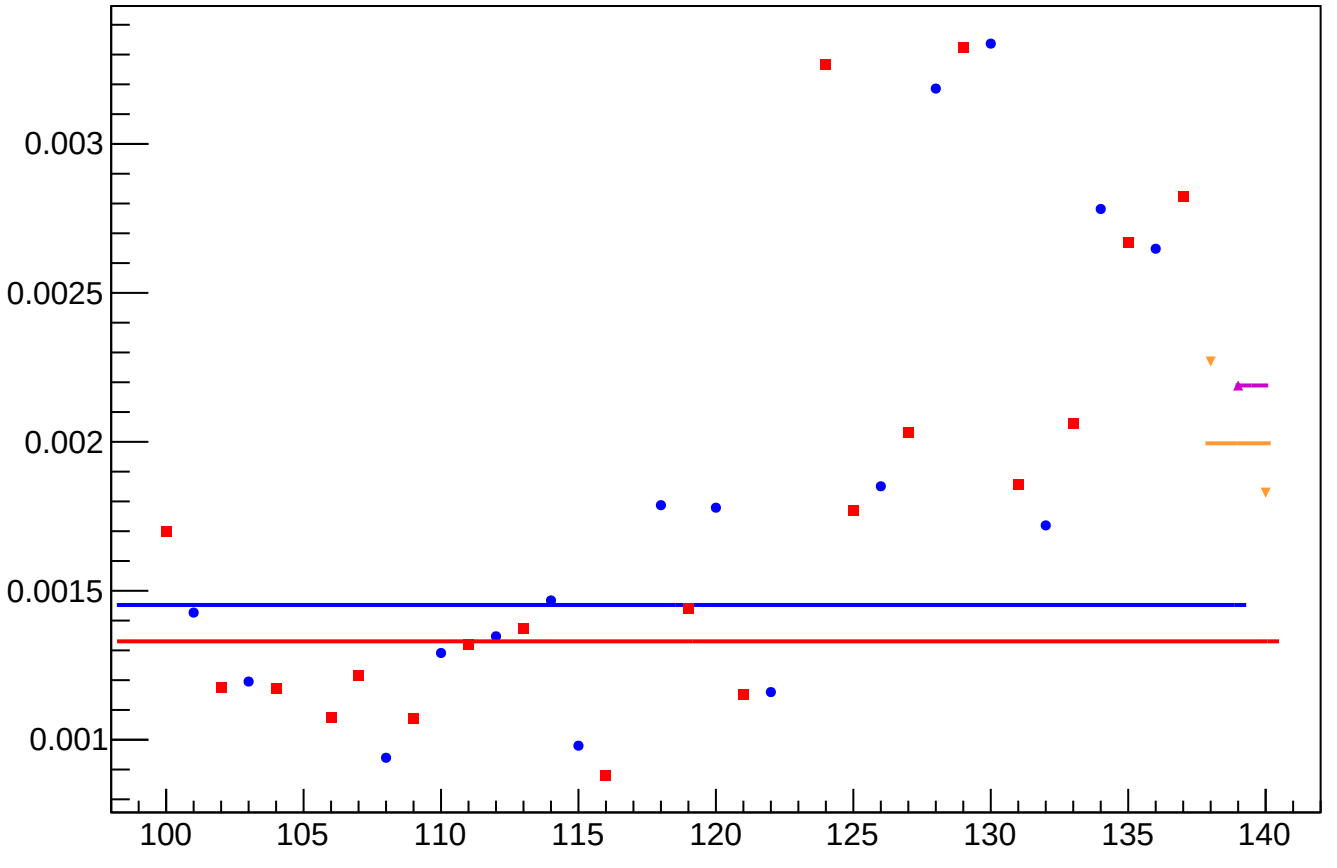
Left: -0.000+/-0.000 χ^2/NDF: 2.4/2

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:14.5/16

Out: -0.000+/-0.000 χ^2/NDF:14.8/20

All: -0.000+/-0.000 χ^2/NDF: 30.6/37



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:36458.6/1

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.002+/-0.000 χ^2/NDF:0.0/0

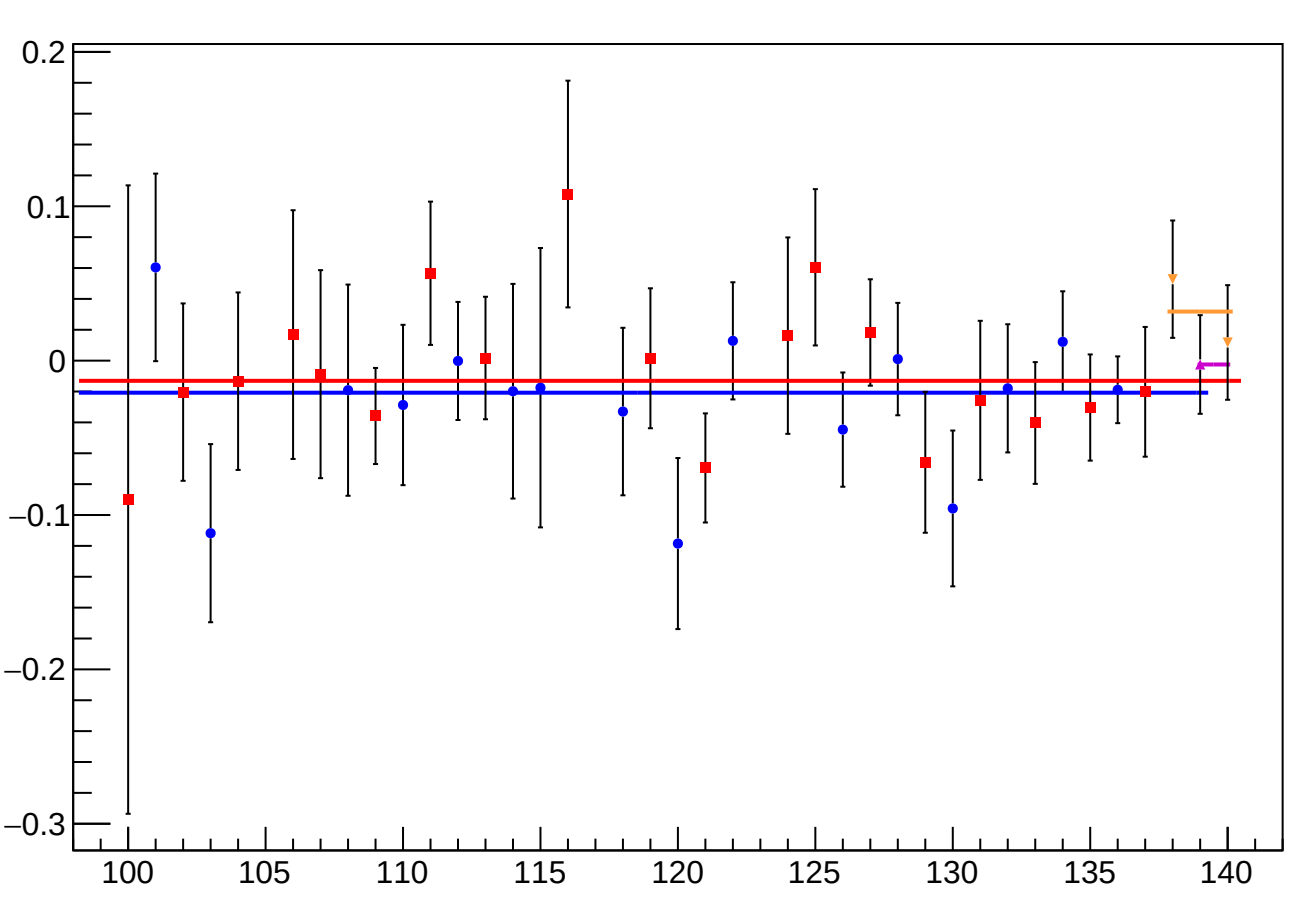
Left: 0.002+/-0.000 χ^2/NDF: 45628.0/2

Right: 0.001+/-0.000 χ^2/NDF: 3162860.5/34

In: 0.001+/-0.000 χ^2/NDF:1889546.4/16

Out: 0.001+/-0.000 χ^2/NDF:1759077.6/20

All: 0.001+/-0.000 χ^2/NDF: 3682965.1/37



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.032+/-0.027 χ^2/NDF:0.6/1

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.002+/-0.032 χ^2/NDF:0.0/0

Left: 0.018+/-0.020 χ^2/NDF: 1.3/2

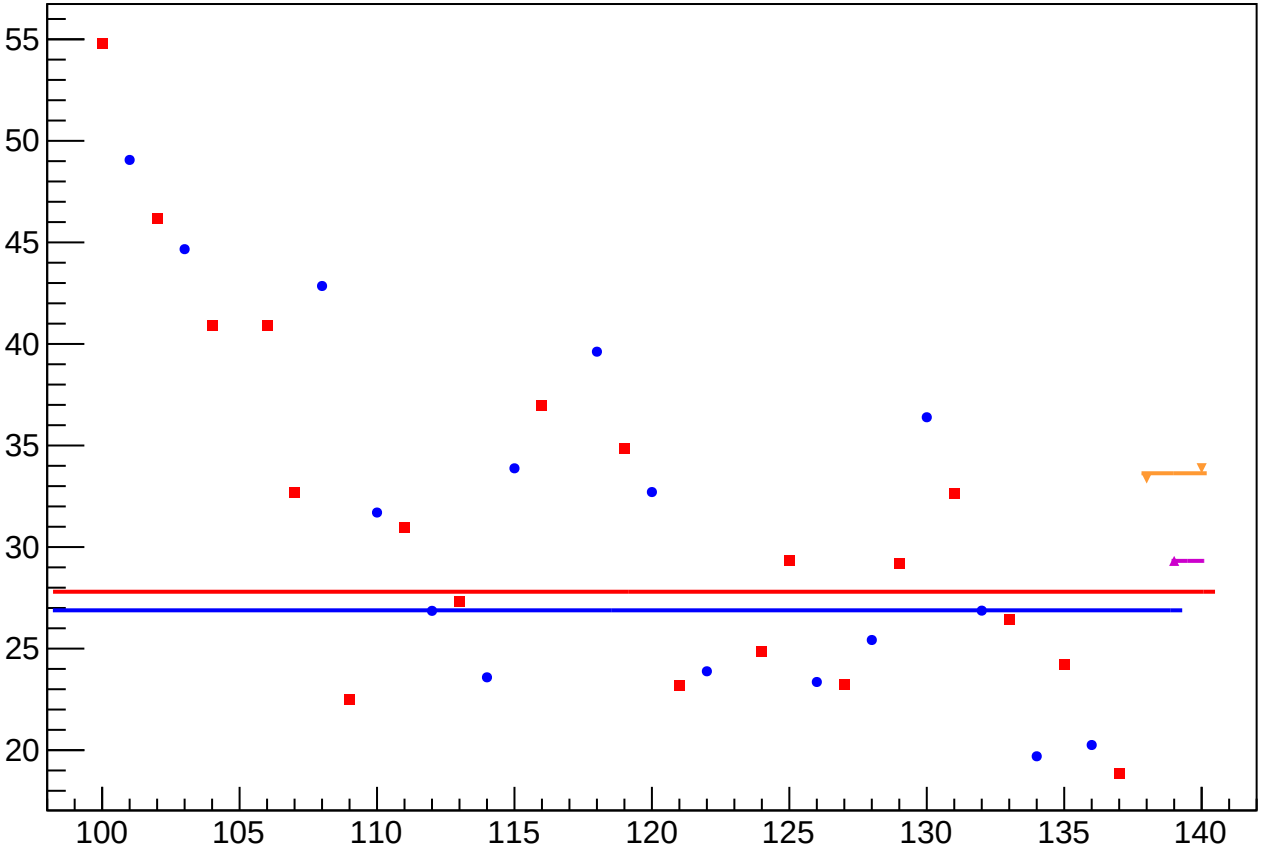
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.010 χ^2/NDF:12.8/16

Out: -0.007+/-0.010 χ^2/NDF:17.0/20

All: -0.013+/-0.007 χ^2/NDF: 30.5/37

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 33.633+/-0.019 χ^2/NDF:182.0/1

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 29.320+/-0.023 χ^2/NDF:0.0/0

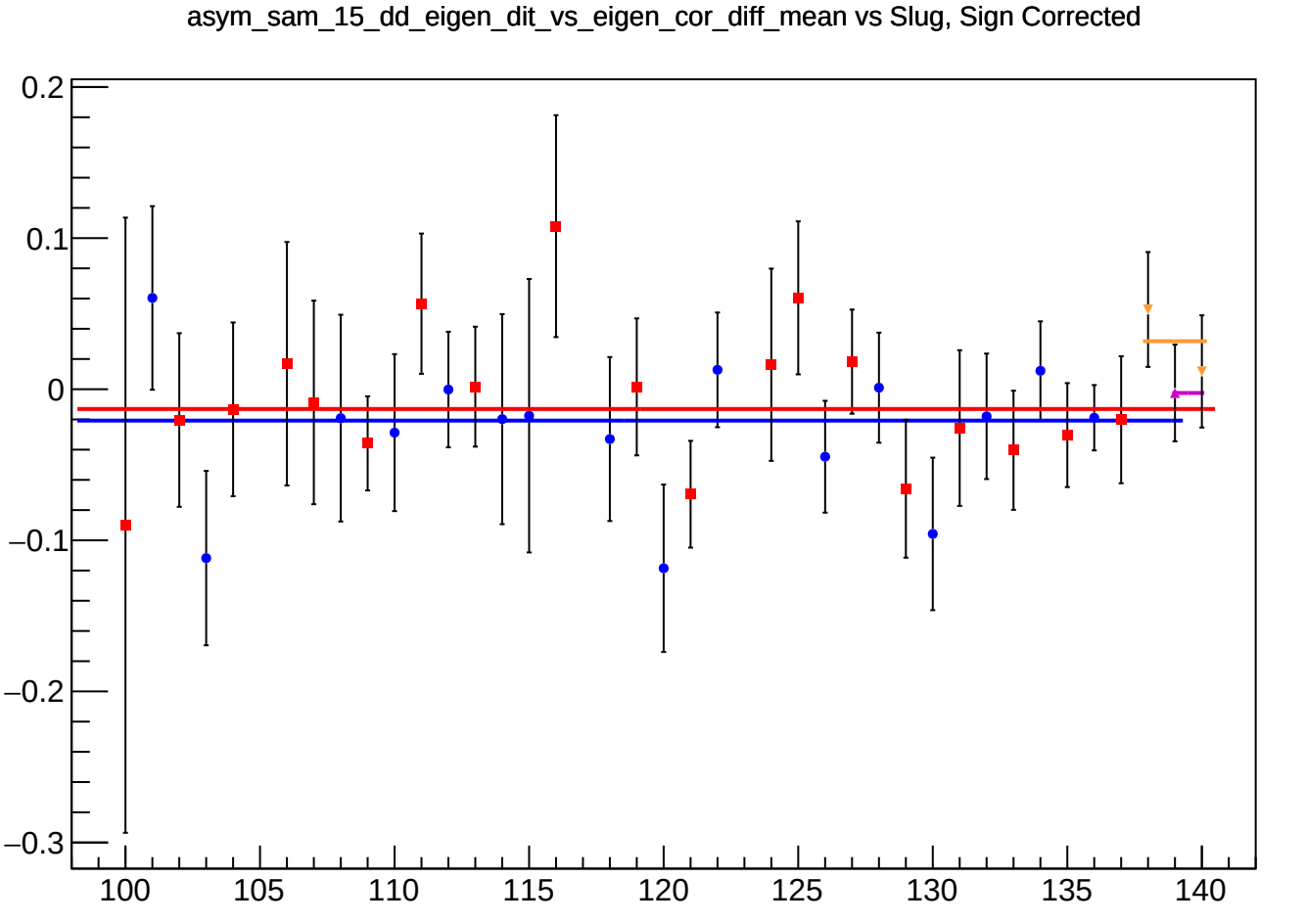
Left: 31.871+/-0.014 χ^2/NDF: 21732.1/2

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 27.123+/-0.007 χ^2/NDF:1131038.1/16

Out: 28.594+/-0.007 χ^2/NDF:846738.8/20

All: 27.872+/-0.005 χ^2/NDF: 1999909.9/37



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.032+/-0.027 χ^2/NDF:0.6/1

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.002+/-0.032 χ^2/NDF:0.0/0

Left: 0.018+/-0.020 χ^2/NDF: 1.3/2

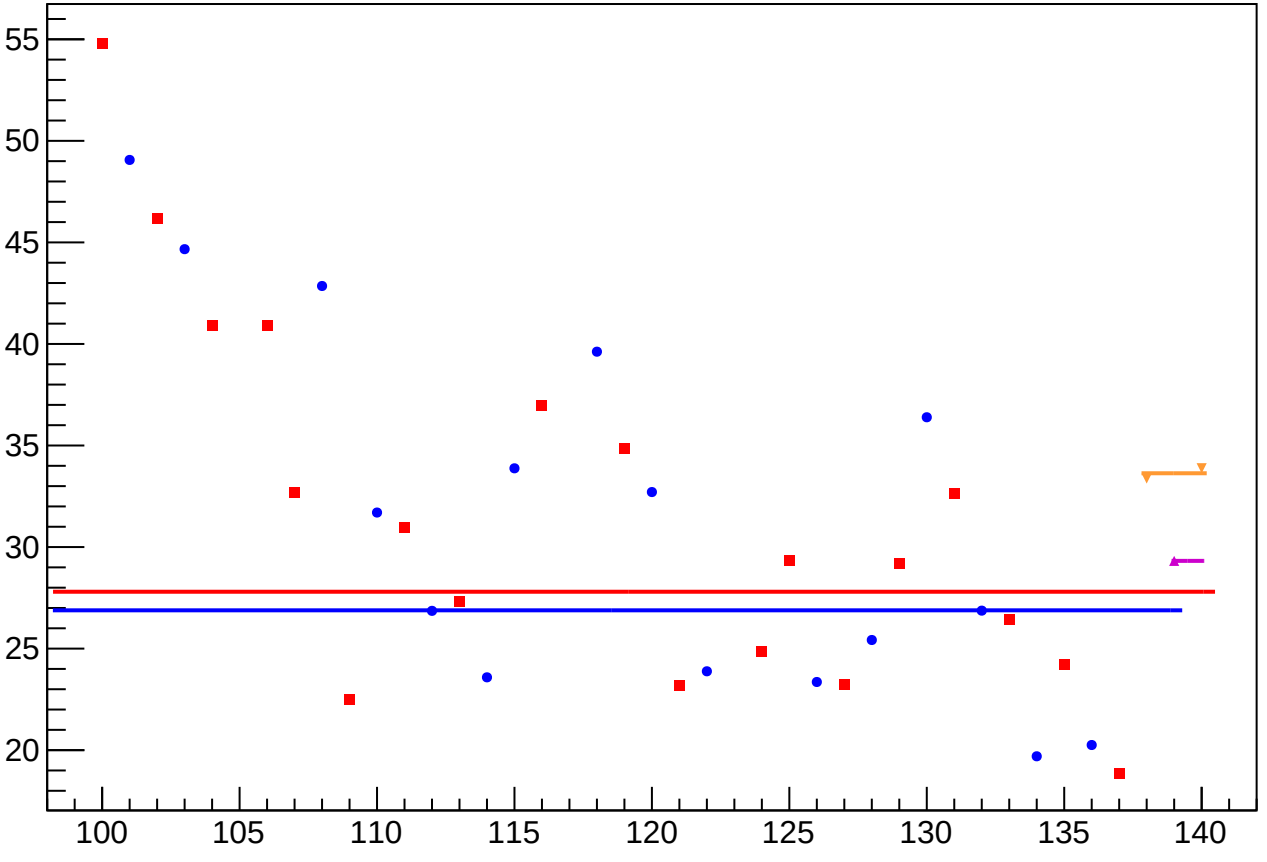
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.010 χ^2/NDF:12.8/16

Out: -0.007+/-0.010 χ^2/NDF:17.0/20

All: -0.013+/-0.007 χ^2/NDF: 30.5/37

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 33.633+/-0.019 χ^2/NDF:182.0/1

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 29.320+/-0.023 χ^2/NDF:0.0/0

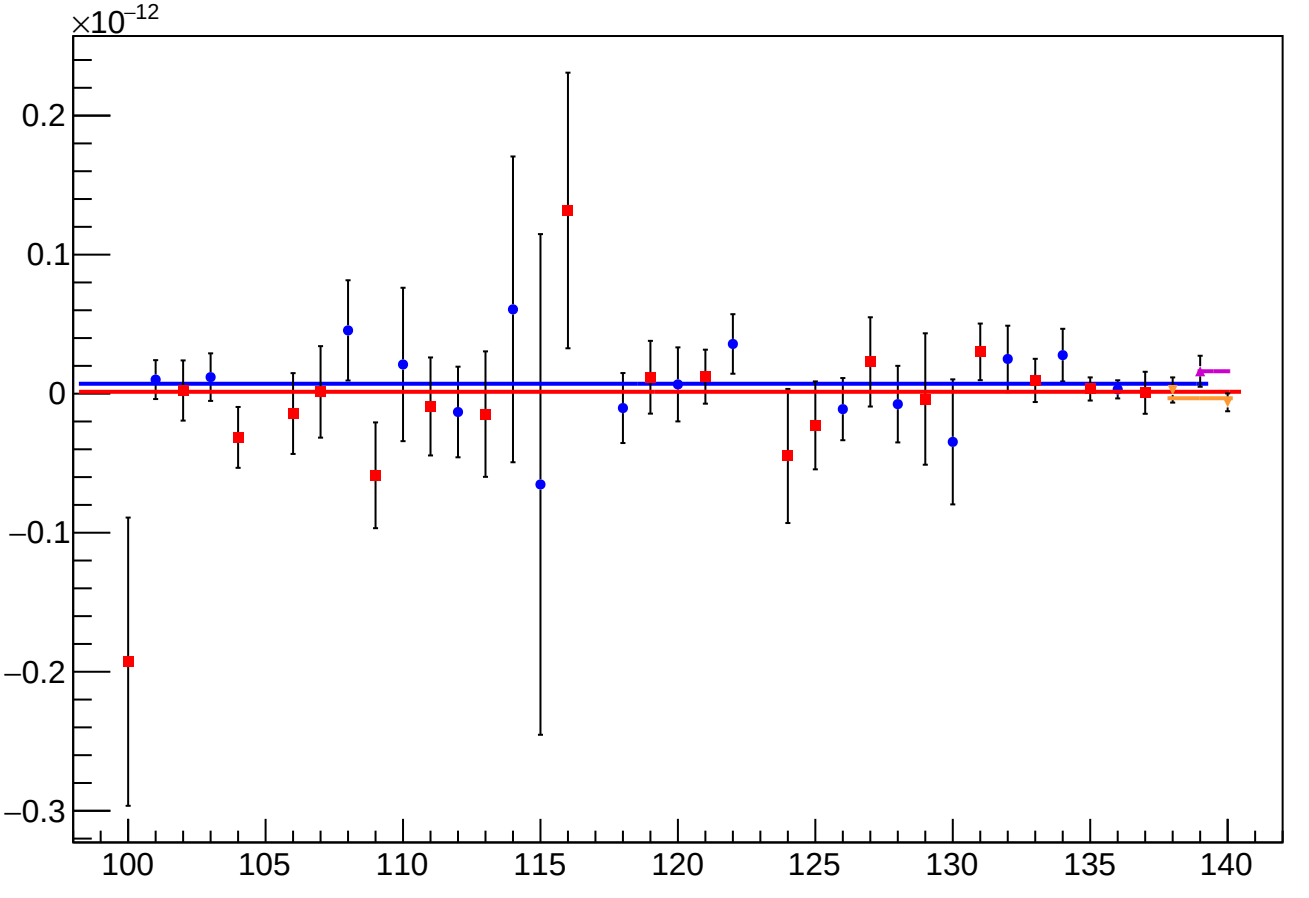
Left: 31.871+/-0.014 χ^2/NDF: 21732.1/2

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 27.123+/-0.007 χ^2/NDF:1131038.1/16

Out: 28.594+/-0.007 χ^2/NDF:846738.8/20

All: 27.872+/-0.005 χ^2/NDF: 1999909.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

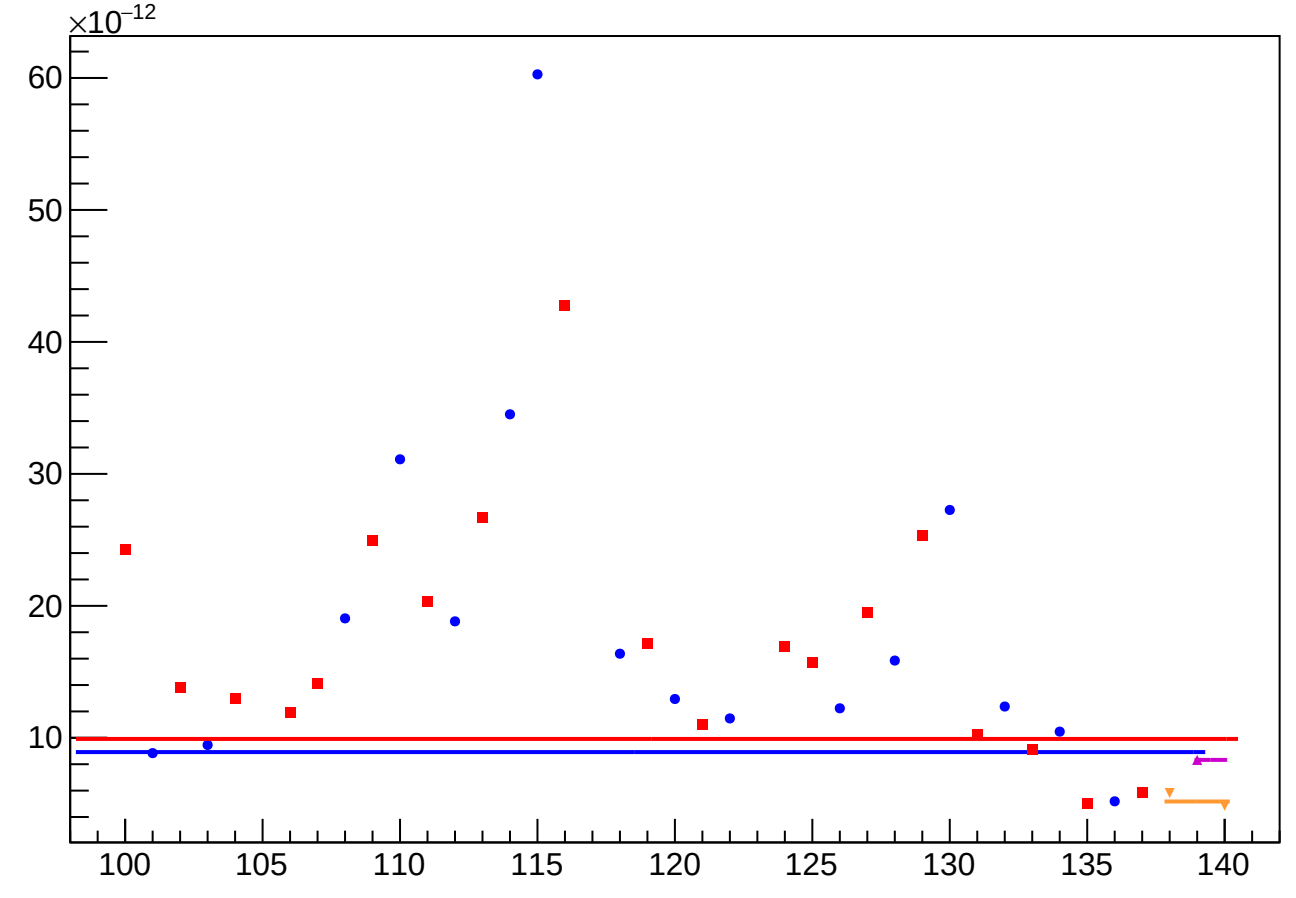
Left: 0.000+/-0.000 χ^2/NDF: 3.1/2

Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:8.9/16

Out: -0.000+/-0.000 χ^2/NDF:16.3/20

All: 0.000+/-0.000 χ^2/NDF: 27.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15045.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

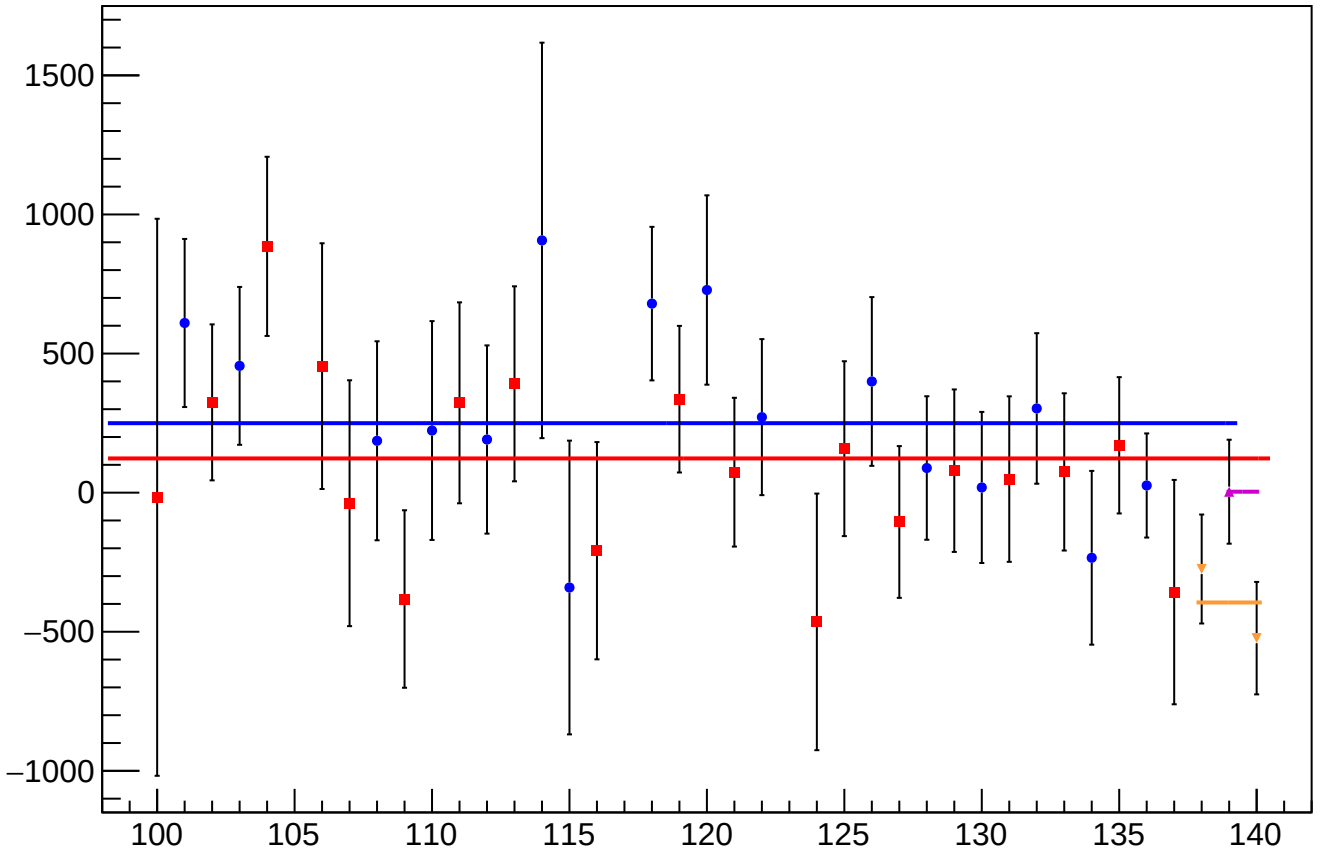
Left: 0.000+/-0.000 χ^2/NDF: 146256.6/2

Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:2407629.8/16

Out: 0.000+/-0.000 χ^2/NDF:3551329.4/20

All: 0.000+/-0.000 χ^2/NDF: 6045399.8/37



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -394.793+/-140.657 χ^2/NDF:0.8/1

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: 3.391+/-186.846 χ^2/NDF:0.0/0

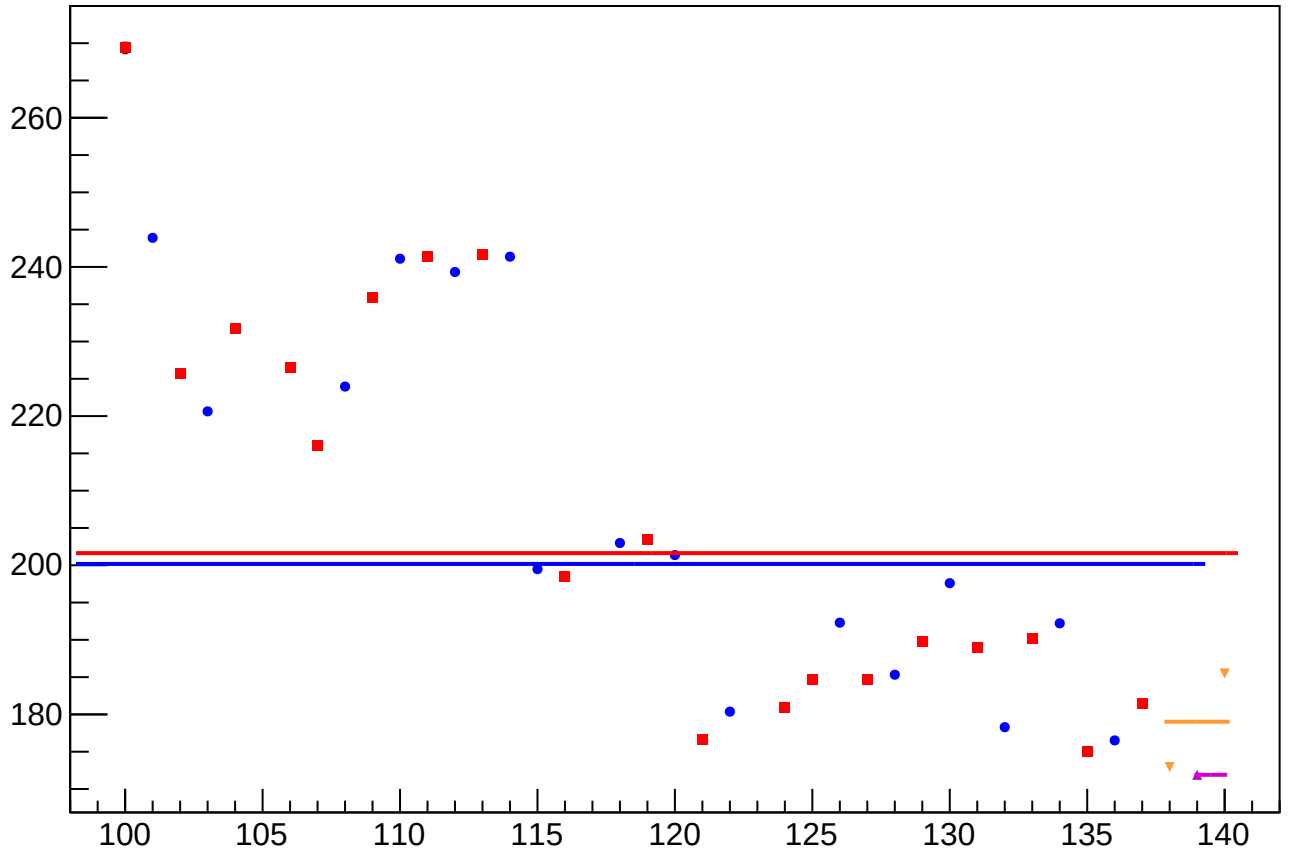
Left: -250.764+/-112.375 χ^2/NDF: 3.7/2

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: 215.670+/-69.504 χ^2/NDF:15.3/16

Out: 9.867+/-65.746 χ^2/NDF:26.9/20

All: 107.054+/-47.763 χ^2/NDF: 46.8/37



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 179.020+/-0.099 χ^2/NDF:3975.0/1

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 171.902+/-0.132 χ^2/NDF:0.0/0

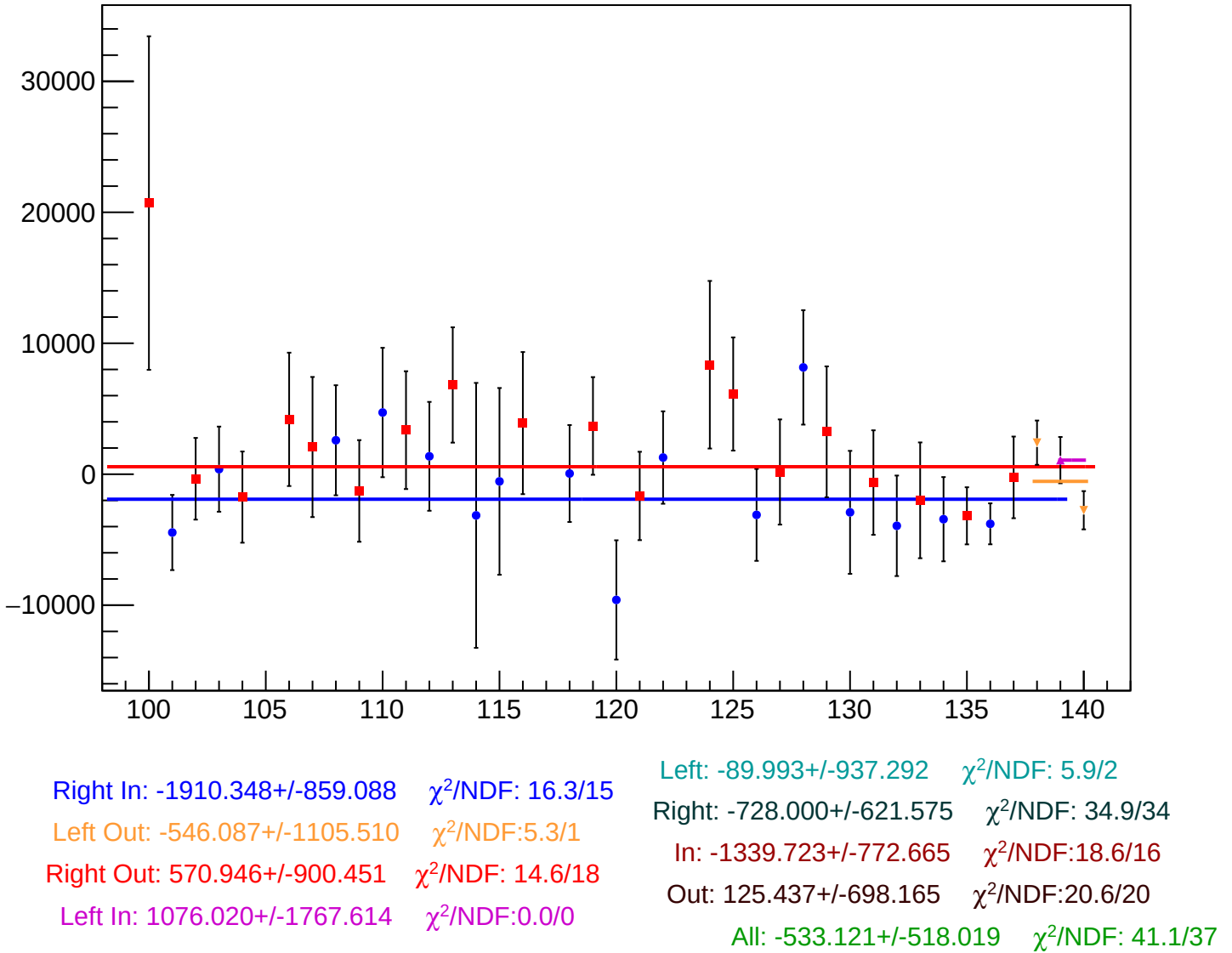
Left: 176.446+/-0.079 χ^2/NDF: 5827.6/2

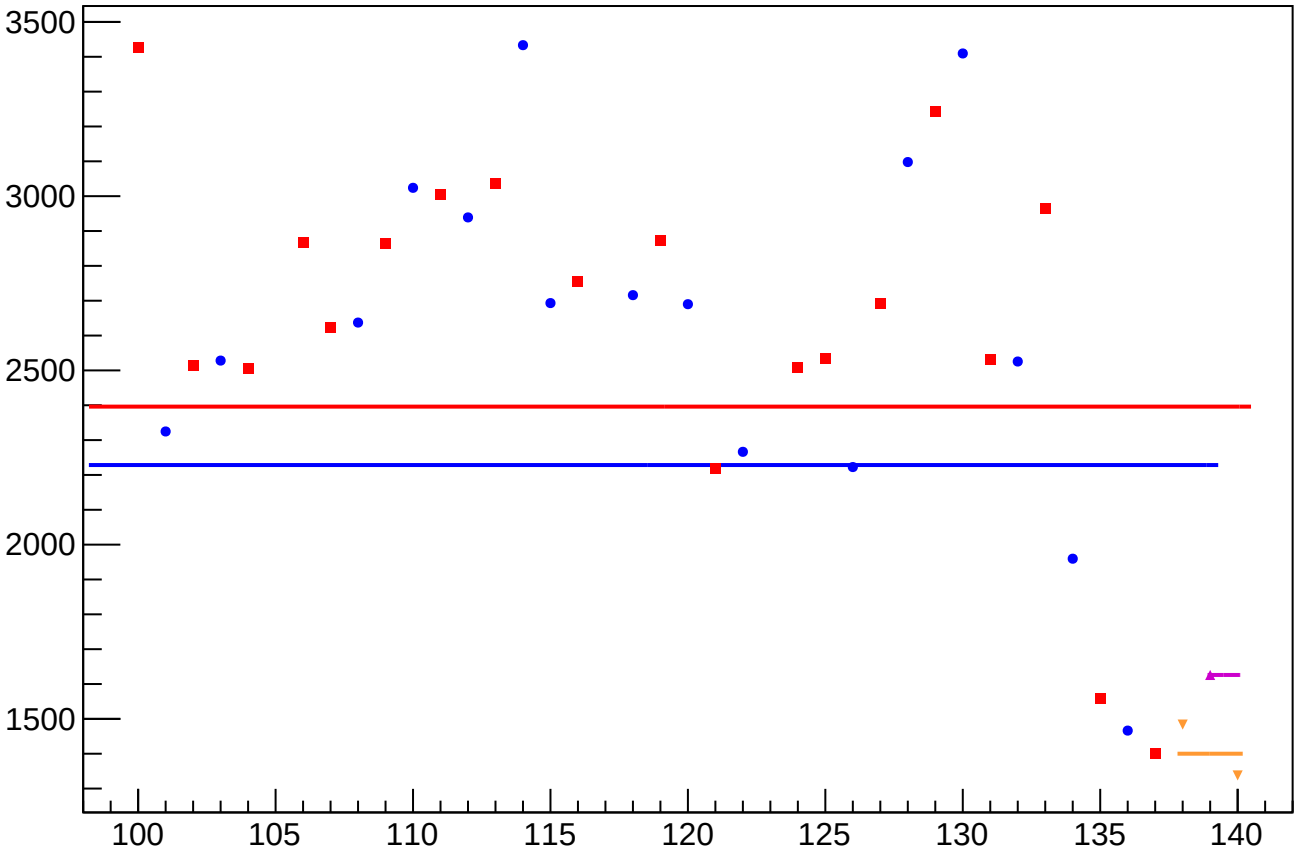
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 196.264+/-0.049 χ^2/NDF:220462.9/16

Out: 196.688+/-0.046 χ^2/NDF:241597.2/20

All: 196.488+/-0.034 χ^2/NDF: 462099.4/37


asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
140
Right In: -1910.348+/-859.088 χ²/NDF: 16.3/15
Left Out: -546.087+/-1105.510 χ²/NDF:5.3/1
Right Out: 570.946+/-900.451 χ²/NDF: 14.6/18
Left In: 1076.020+/-1767.614 χ²/NDF:0.0/0
Left: -89.993+/-937.292 χ²/NDF: 5.9/2
Right: -728.000+/-621.575 χ²/NDF: 34.9/34
In: -1339.723+/-772.665 χ²/NDF:18.6/16
Out: 125.437+/-698.165 χ²/NDF:20.6/20
All: -533.121+/-518.019 χ²/NDF: 41.1/37



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1400.033+/-0.782 χ^2/NDF:8530.4/1

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1626.009+/-1.250 χ^2/NDF:0.0/0

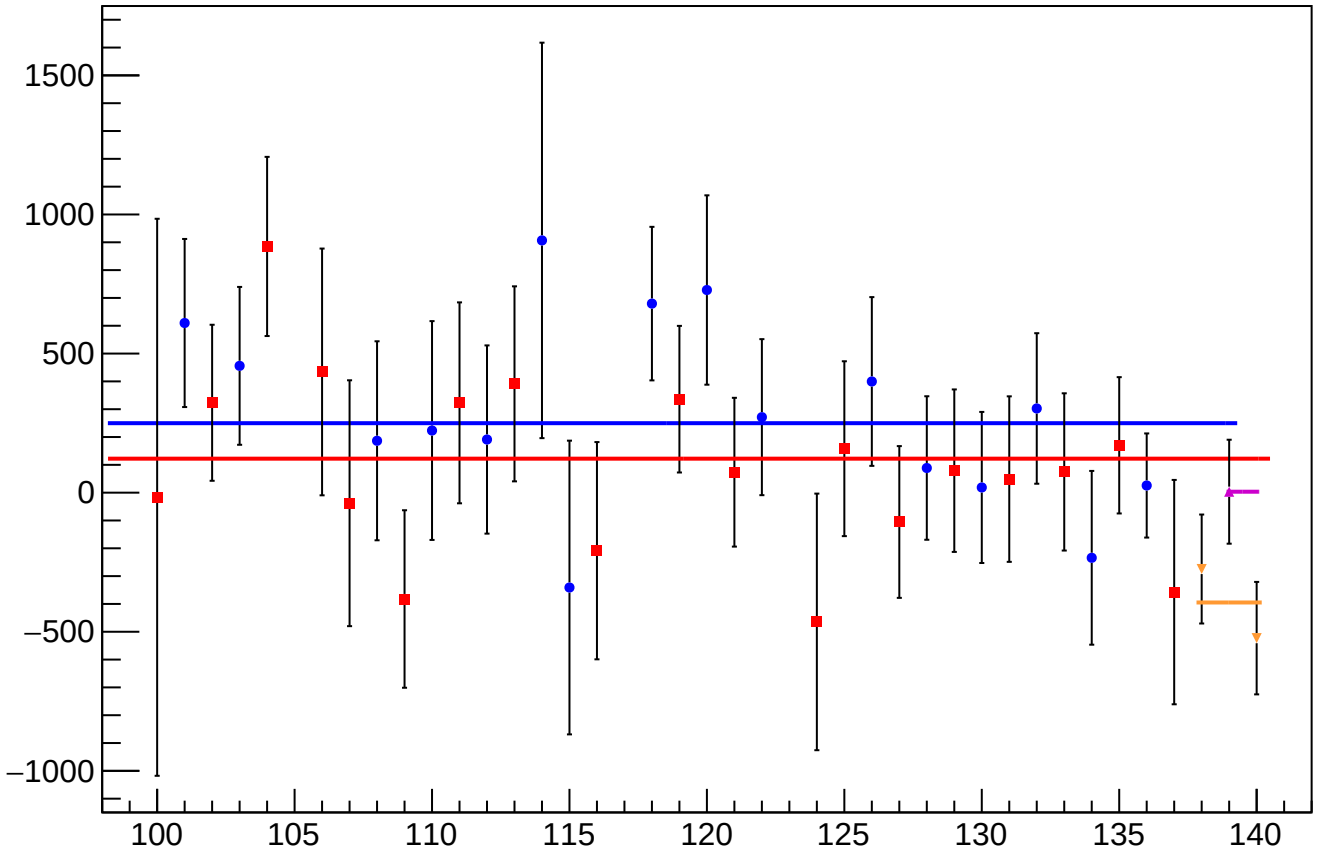
Left: 1463.572+/-0.663 χ^2/NDF: 32027.1/2

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 2113.323+/-0.546 χ^2/NDF:1135570.9/16

Out: 1998.824+/-0.494 χ^2/NDF:1783994.6/20

All: 2050.289+/-0.366 χ^2/NDF: 2943743.7/37



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -394.786+/-140.657 χ^2/NDF:0.8/1

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 3.422+/-186.846 χ^2/NDF:0.0/0

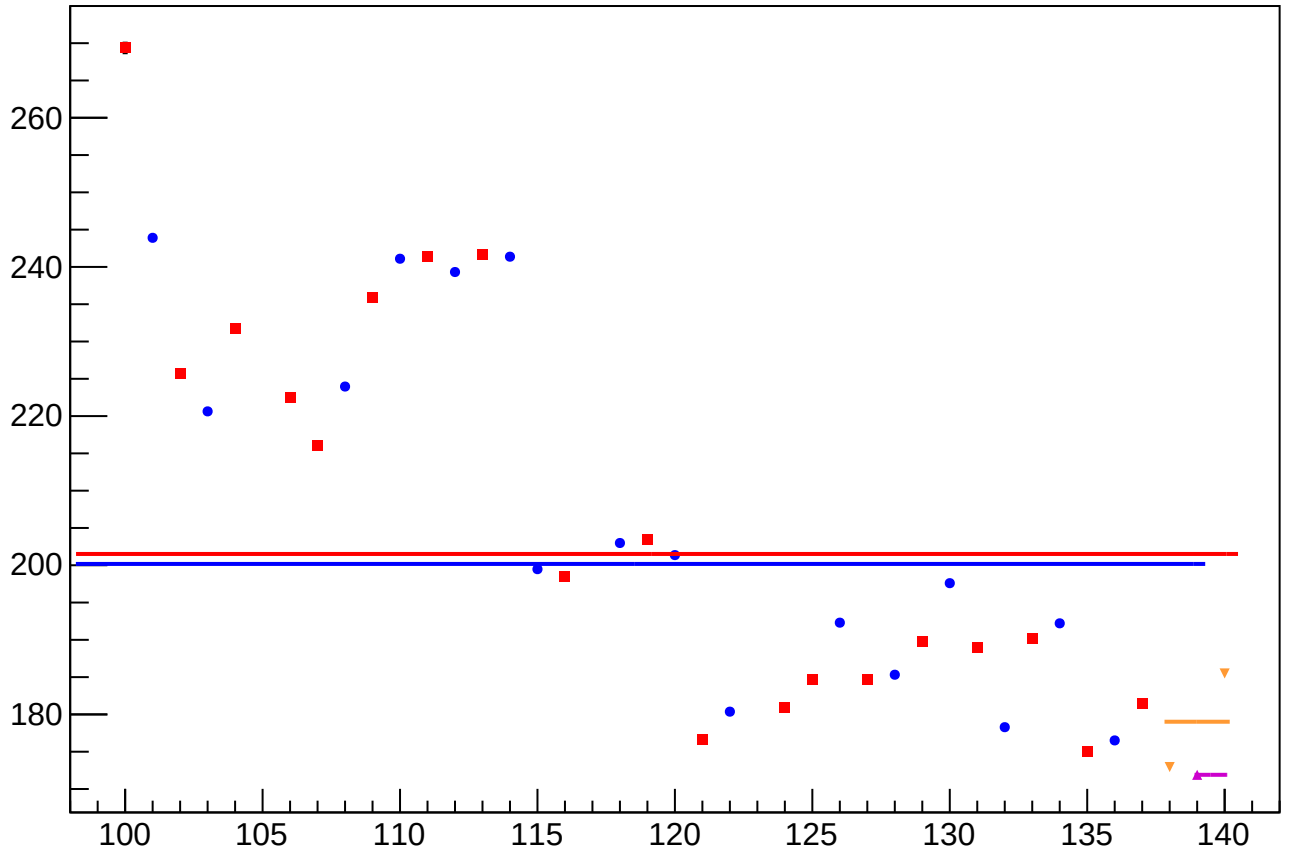
Left: -250.748+/-112.375 χ^2/NDF: 3.7/2

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 215.677+/-69.504 χ^2/NDF:15.3/16

Out: 9.232+/-65.753 χ^2/NDF:26.8/20

All: 106.734+/-47.765 χ^2/NDF: 46.7/37



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 179.020+/-0.099 χ^2/NDF:3975.0/1

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 171.902+/-0.132 χ^2/NDF:0.0/0

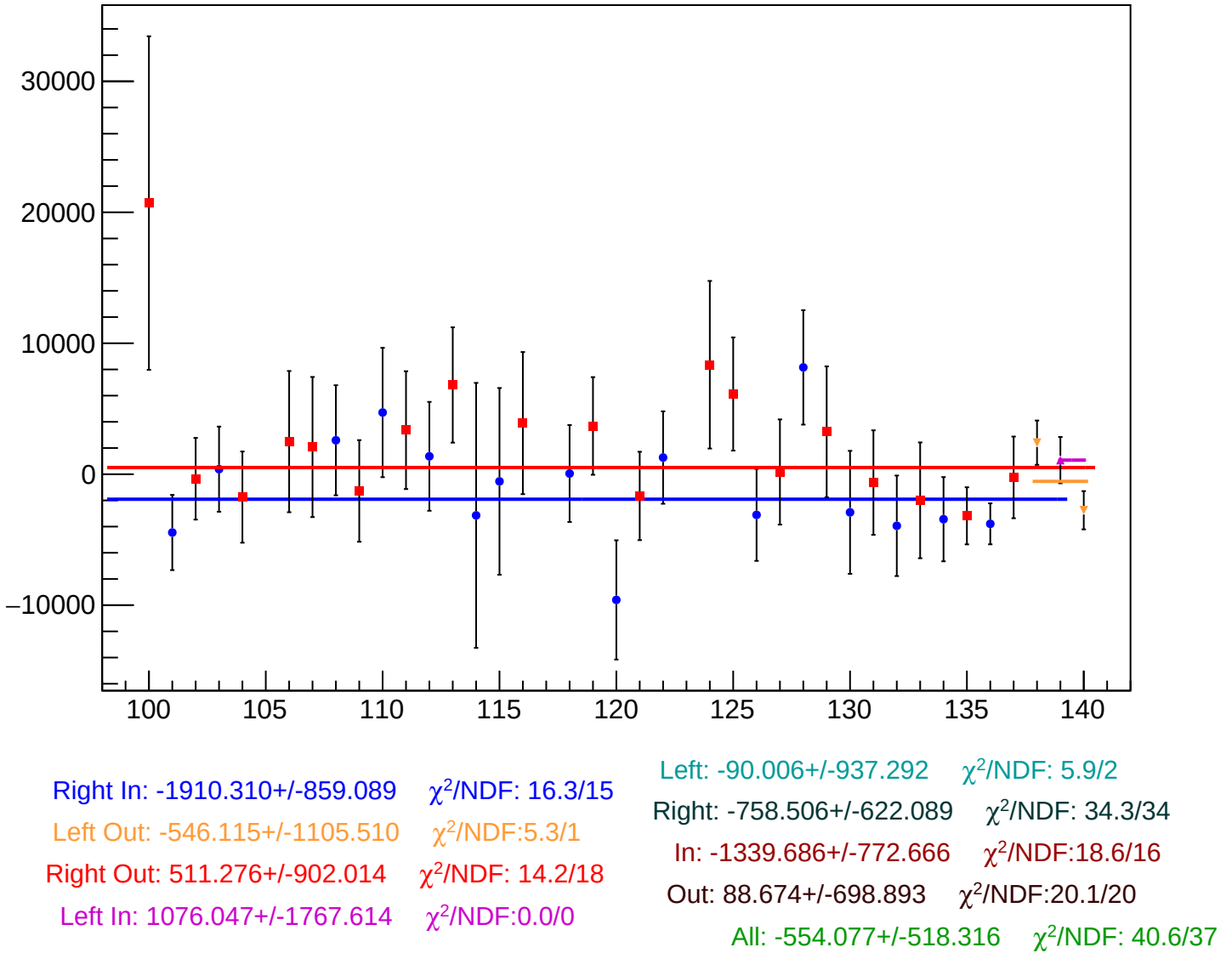
Left: 176.446+/-0.079 χ^2/NDF: 5827.6/2

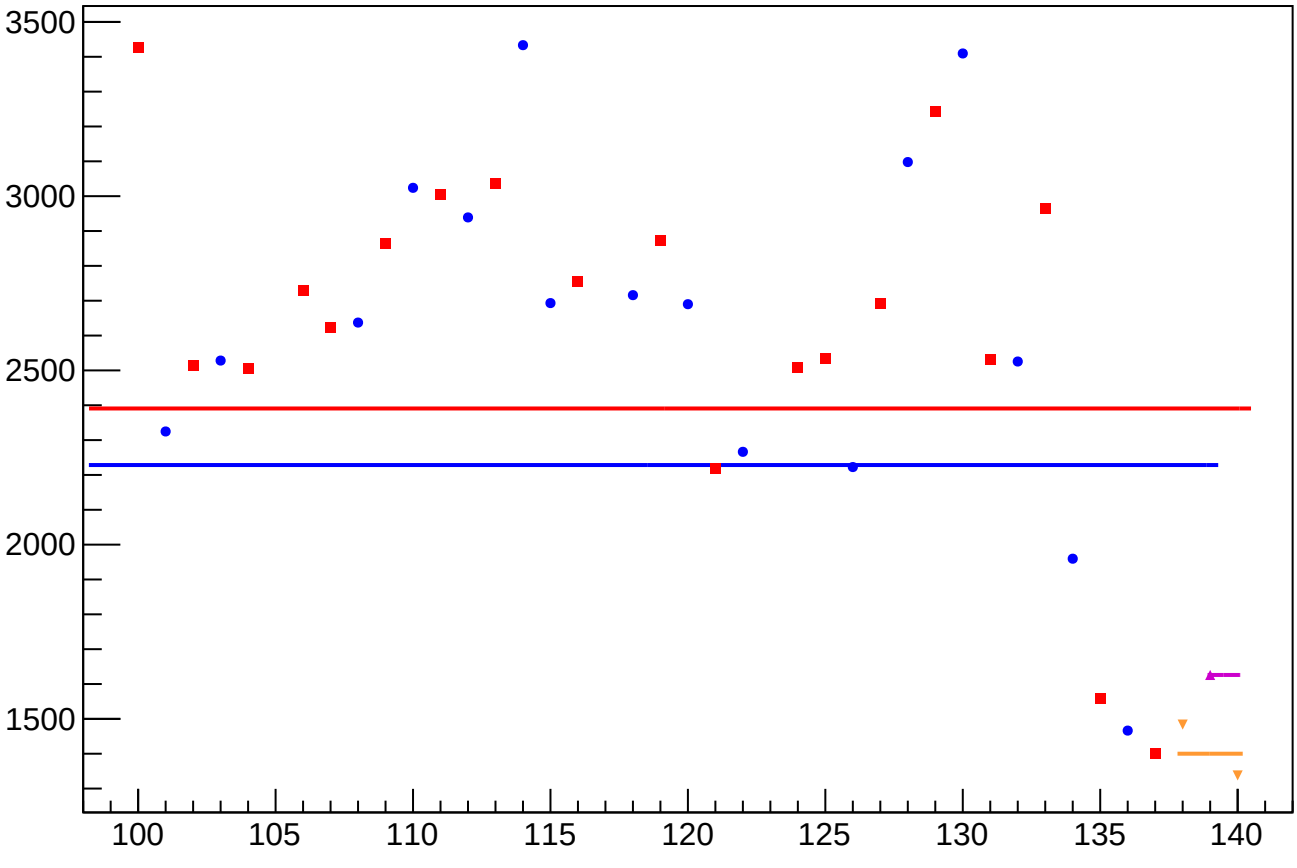
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 196.264+/-0.049 χ^2/NDF:220463.3/16

Out: 196.599+/-0.046 χ^2/NDF:239378.5/20

All: 196.441+/-0.034 χ^2/NDF: 459866.2/37


asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
140
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -546.115+/-1105.510 χ²/NDF:5.3/1
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: 1076.047+/-1767.614 χ²/NDF:0.0/0
Left: -90.006+/-937.292 χ²/NDF: 5.9/2
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -1339.686+/-772.666 χ²/NDF:18.6/16
Out: 88.674+/-698.893 χ²/NDF:20.1/20
All: -554.077+/-518.316 χ²/NDF: 40.6/37



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1400.033+/-0.782 χ^2/NDF:8530.8/1

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1626.010+/-1.250 χ^2/NDF:0.0/0

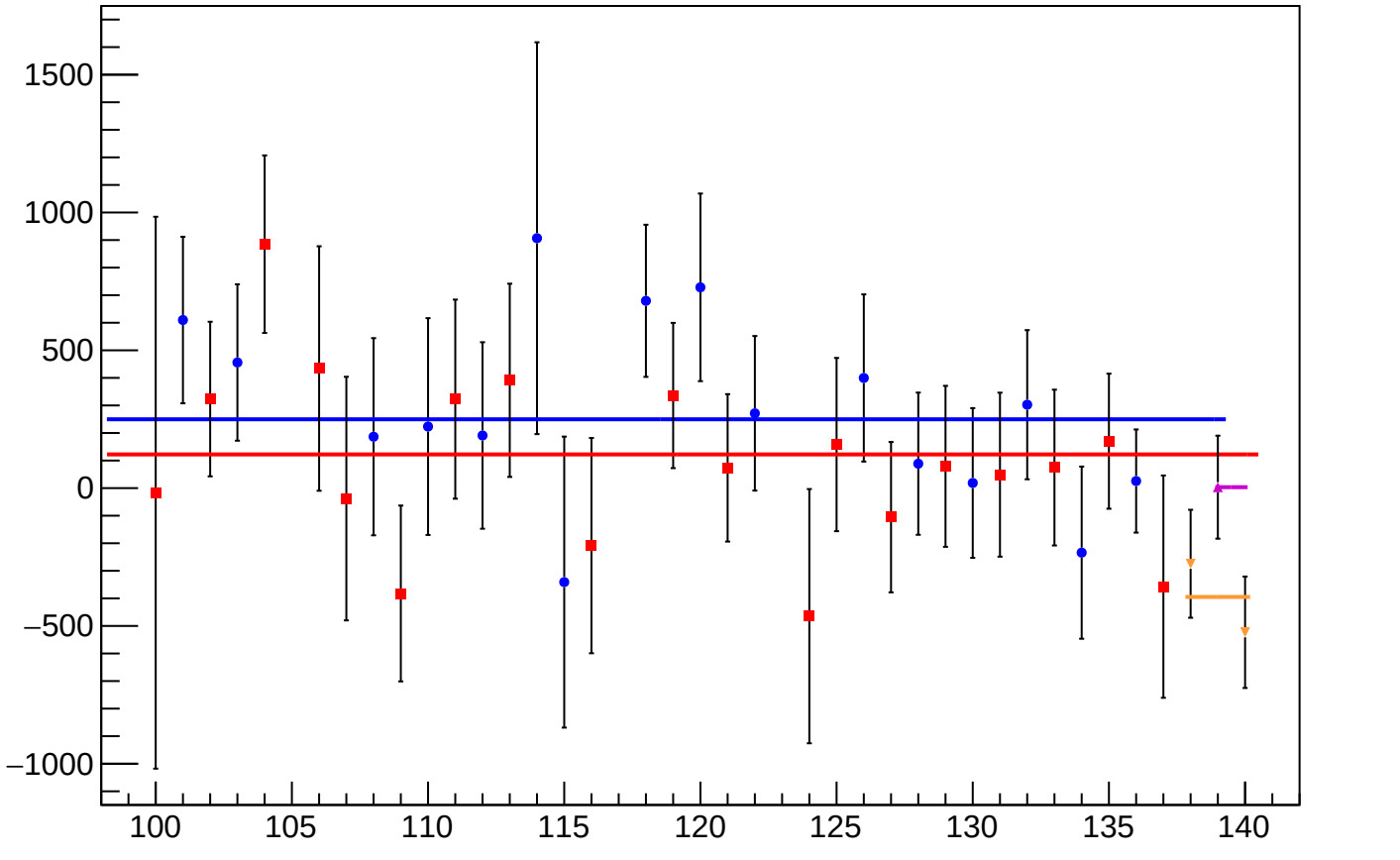
Left: 1463.572+/-0.663 χ^2/NDF: 32027.6/2

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 2113.325+/-0.546 χ^2/NDF:1135577.0/16

Out: 1994.784+/-0.494 χ^2/NDF:1762766.6/20

All: 2048.127+/-0.367 χ^2/NDF: 2924234.8/37



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -394.786+/-140.657 χ^2/NDF:0.8/1

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 3.422+/-186.846 χ^2/NDF:0.0/0

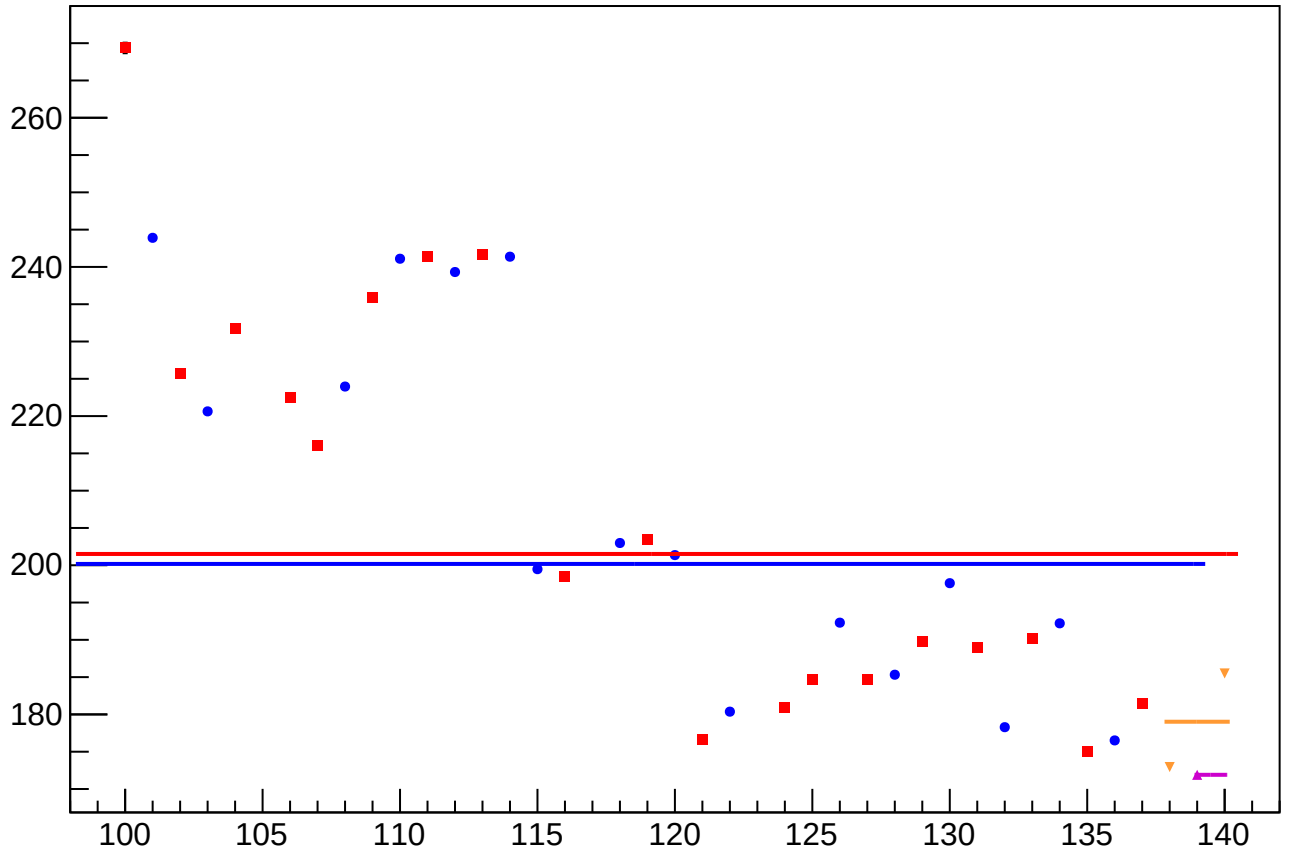
Left: -250.748+/-112.375 χ^2/NDF: 3.7/2

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 215.677+/-69.504 χ^2/NDF:15.3/16

Out: 9.232+/-65.753 χ^2/NDF:26.8/20

All: 106.734+/-47.765 χ^2/NDF: 46.7/37



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 179.020+/-0.099 χ^2/NDF:3975.0/1

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 171.902+/-0.132 χ^2/NDF:0.0/0

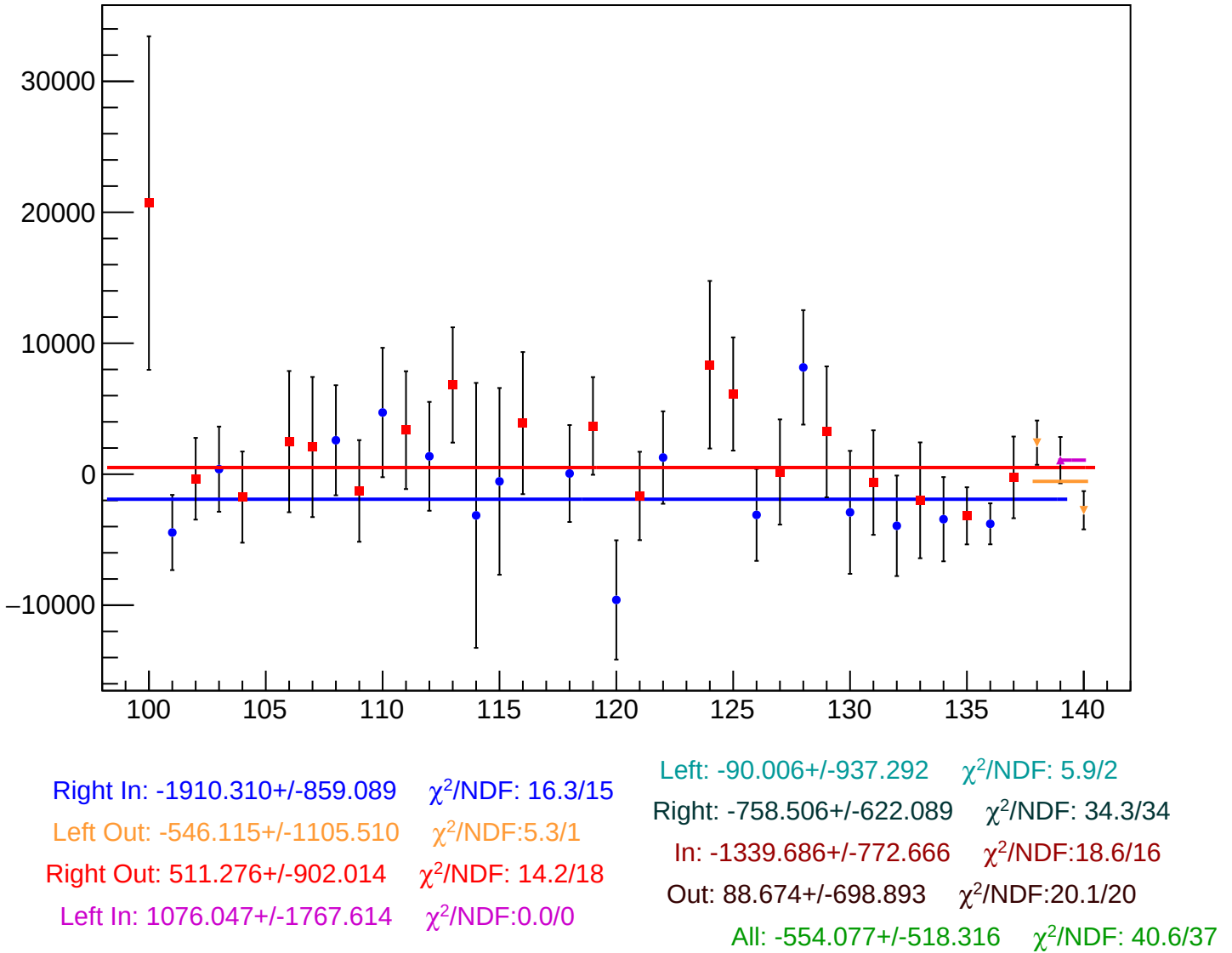
Left: 176.446+/-0.079 χ^2/NDF: 5827.6/2

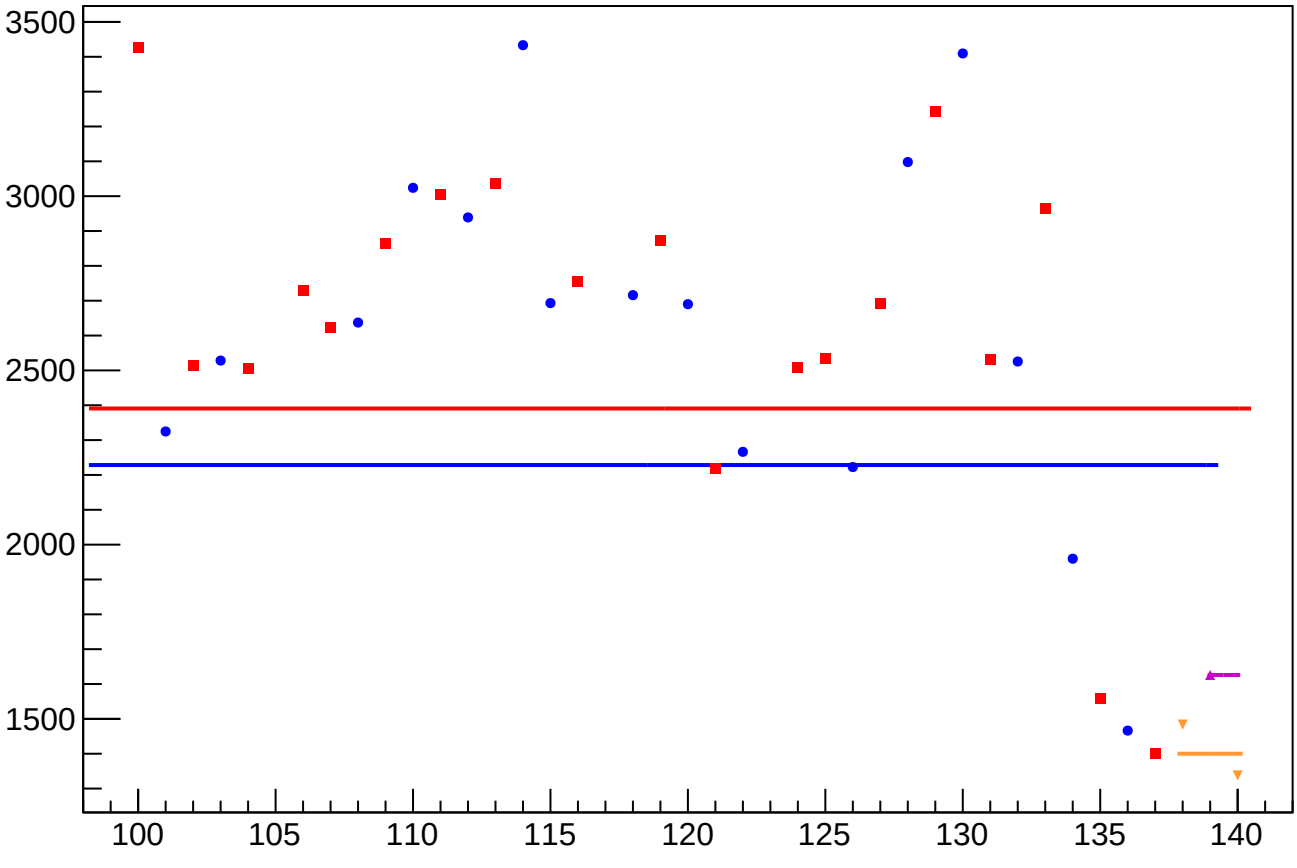
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 196.264+/-0.049 χ^2/NDF:220463.3/16

Out: 196.599+/-0.046 χ^2/NDF:239378.5/20

All: 196.441+/-0.034 χ^2/NDF: 459866.2/37


asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
140
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -546.115+/-1105.510 χ²/NDF:5.3/1
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: 1076.047+/-1767.614 χ²/NDF:0.0/0
Left: -90.006+/-937.292 χ²/NDF: 5.9/2
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -1339.686+/-772.666 χ²/NDF:18.6/16
Out: 88.674+/-698.893 χ²/NDF:20.1/20
All: -554.077+/-518.316 χ²/NDF: 40.6/37



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1400.033+/-0.782 χ^2/NDF:8530.8/1

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1626.010+/-1.250 χ^2/NDF:0.0/0

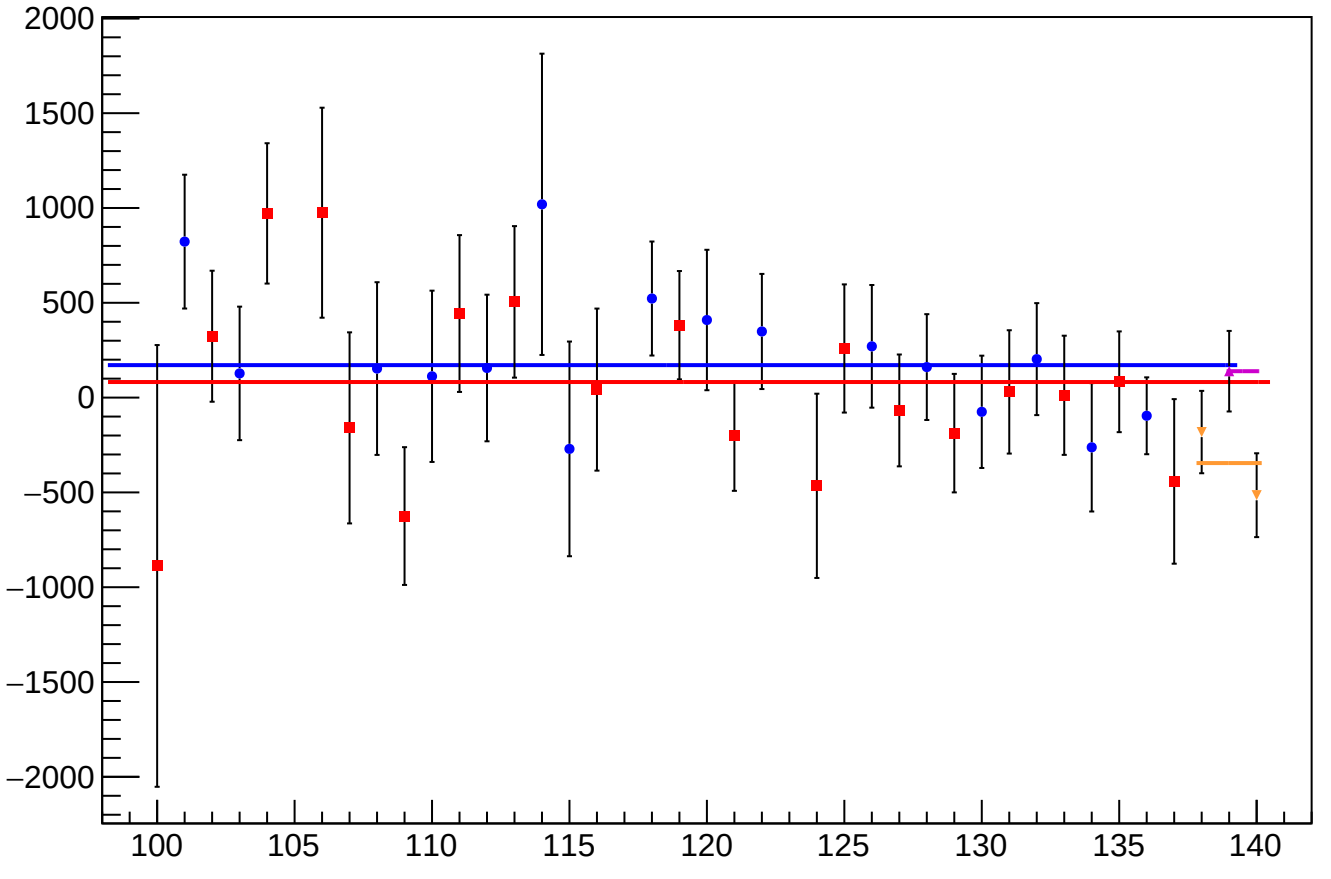
Left: 1463.572+/-0.663 χ^2/NDF: 32027.6/2

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 2113.325+/-0.546 χ^2/NDF:1135577.0/16

Out: 1994.784+/-0.494 χ^2/NDF:1762766.6/20

All: 2048.127+/-0.367 χ^2/NDF: 2924234.8/37



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -345.280+/-154.947 χ^2/NDF:1.2/1

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: 139.232+/-212.481 χ^2/NDF:0.0/0

Left: -177.076+/-125.195 χ^2/NDF: 4.5/2

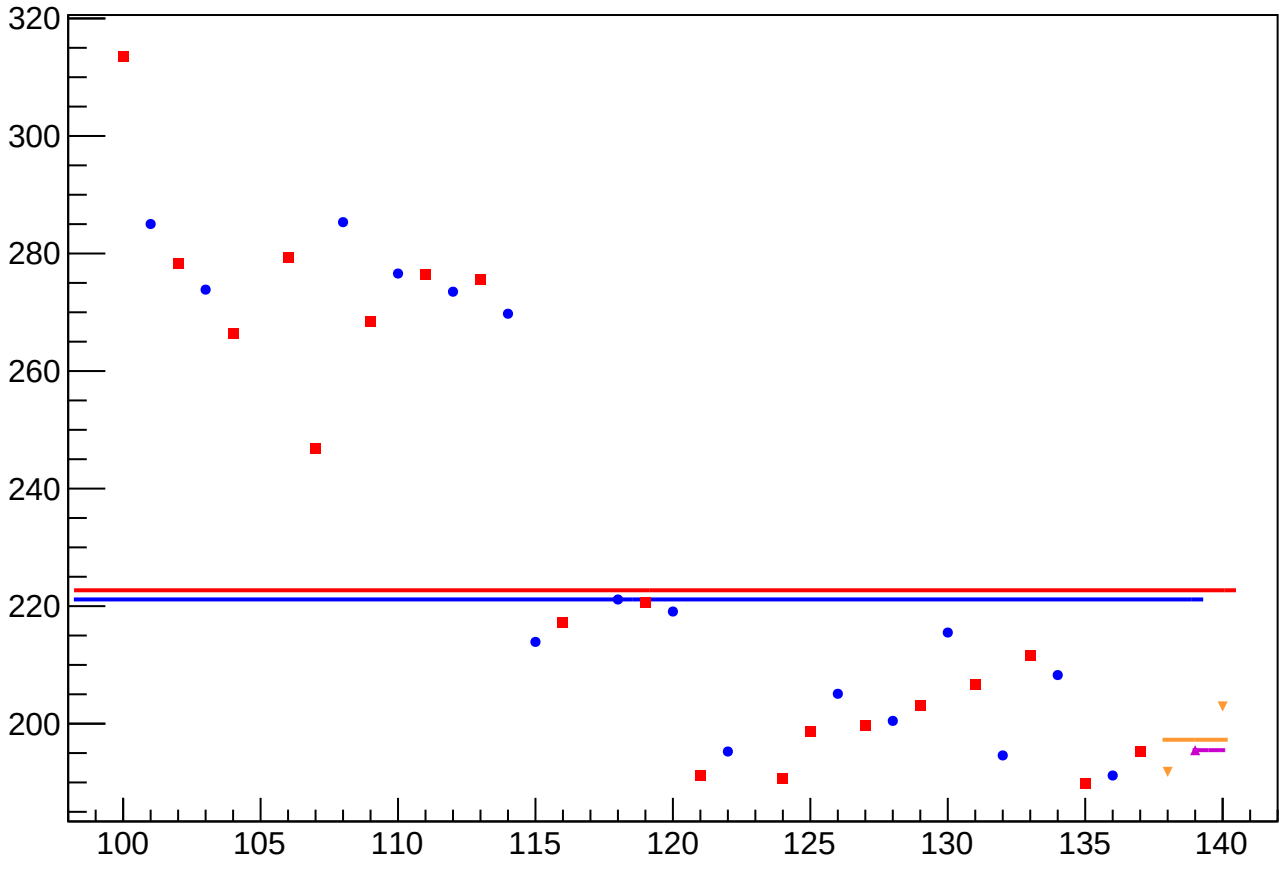
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 167.008+/-77.405 χ^2/NDF:11.5/16

Out: -12.338+/-72.852 χ^2/NDF:28.7/20

All: 71.907+/-53.051 χ^2/NDF: 43.0/37

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 197.267+/-0.110 χ^2/NDF:2577.6/1

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 195.493+/-0.150 χ^2/NDF:0.0/0

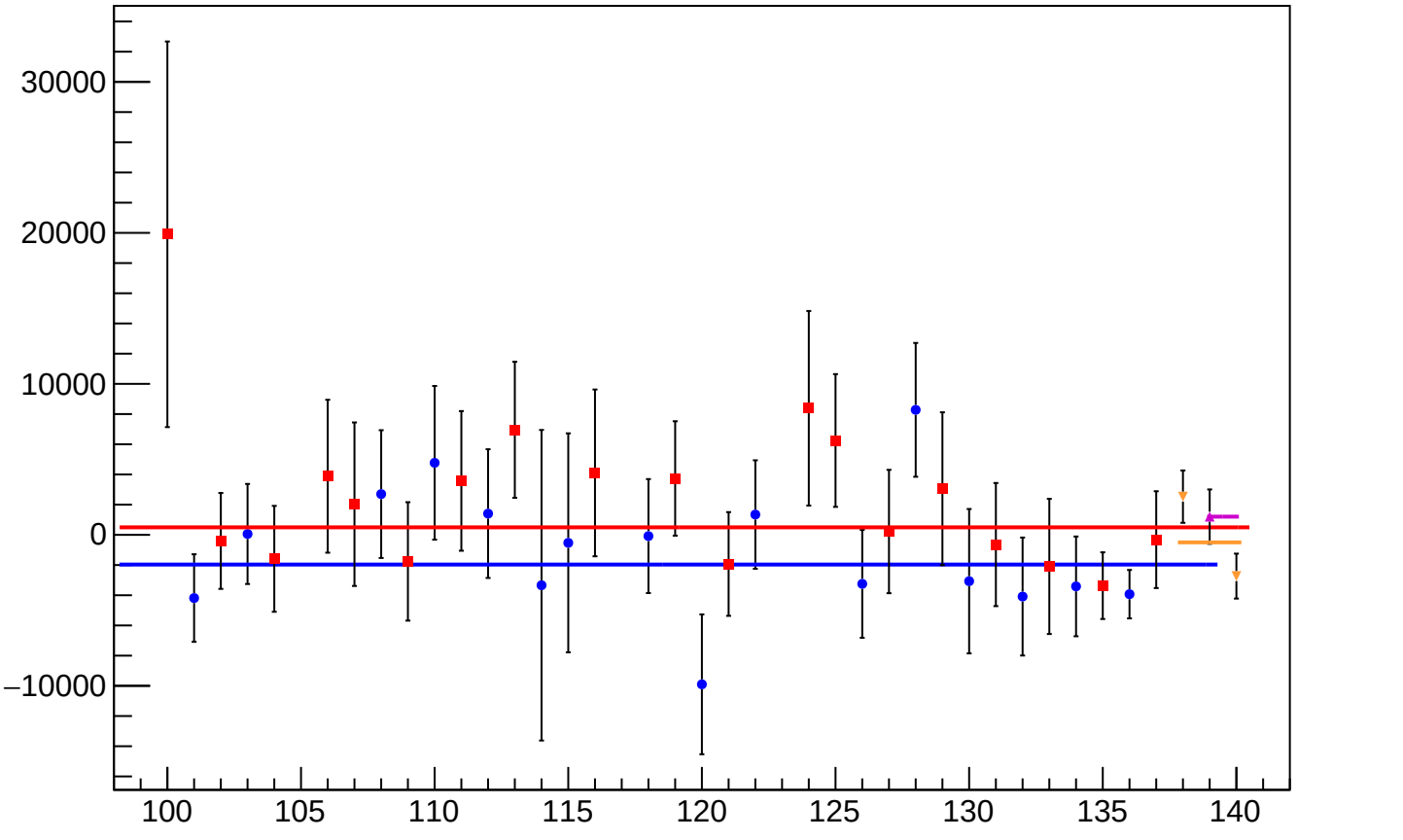
Left: 196.651+/-0.089 χ^2/NDF: 2668.6/2

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 217.736+/-0.055 χ^2/NDF:343970.6/16

Out: 217.076+/-0.052 χ^2/NDF:371573.0/20

All: 217.386+/-0.038 χ^2/NDF: 715620.8/37



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -499.019+/-1129.418 χ^2/NDF:5.3/1

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: 1205.477+/-1801.957 χ^2/NDF:0.0/0

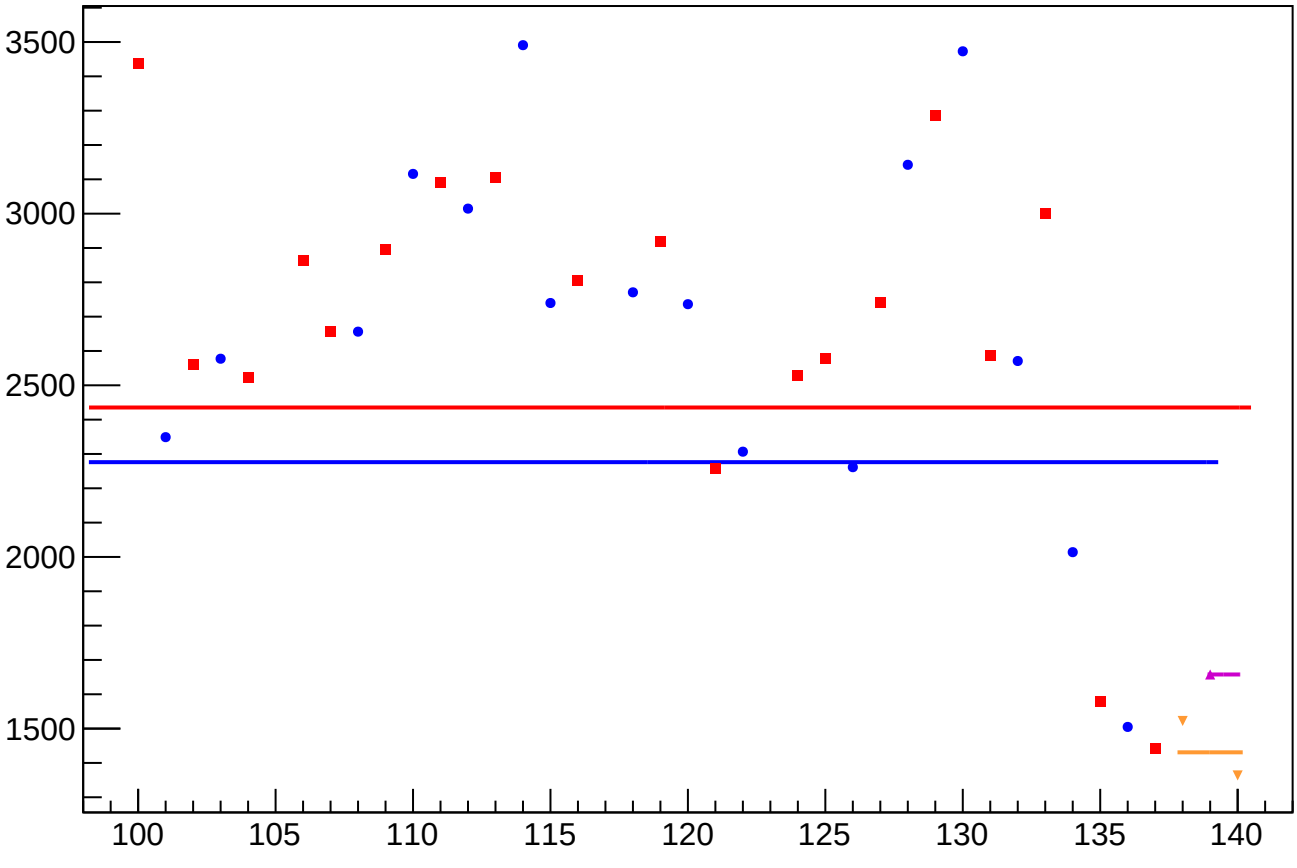
Left: -18.275+/-956.981 χ^2/NDF: 5.9/2

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -1360.218+/-788.281 χ^2/NDF:18.7/16

Out: 102.611+/-710.847 χ^2/NDF:20.5/20

All: -553.446+/-527.904 χ^2/NDF: 41.1/37



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1430.883+/-0.799 χ^2/NDF:9640.1/1

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1657.647+/-1.274 χ^2/NDF:0.0/0

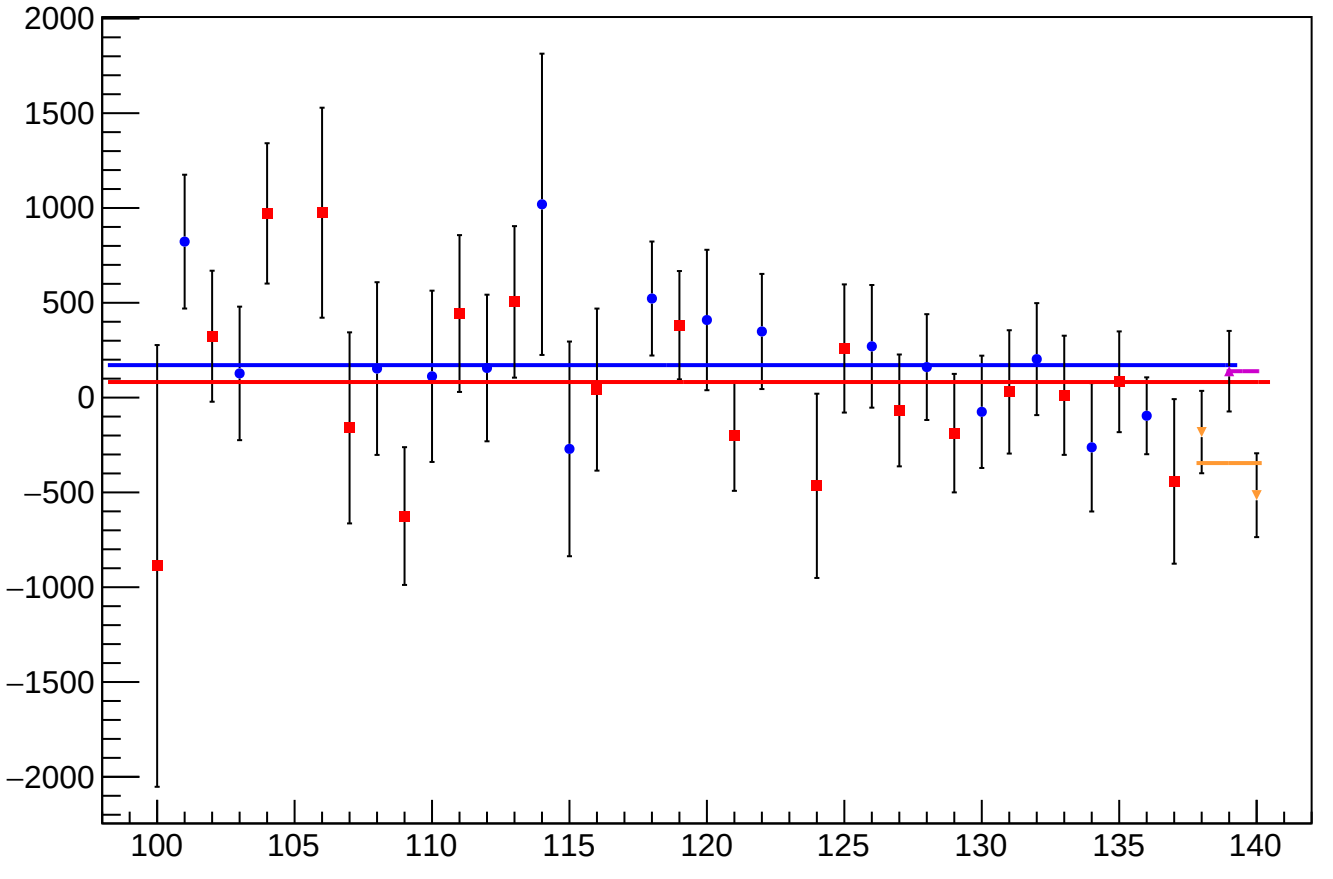
Left: 1494.840+/-0.677 χ^2/NDF: 32379.9/2

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 2157.774+/-0.557 χ^2/NDF:1117508.3/16

Out: 2037.448+/-0.503 χ^2/NDF:1756445.9/20

All: 2091.412+/-0.373 χ^2/NDF: 2899655.1/37



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -345.285+/-154.947 χ^2/NDF:1.2/1

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: 139.227+/-212.480 χ^2/NDF:0.0/0

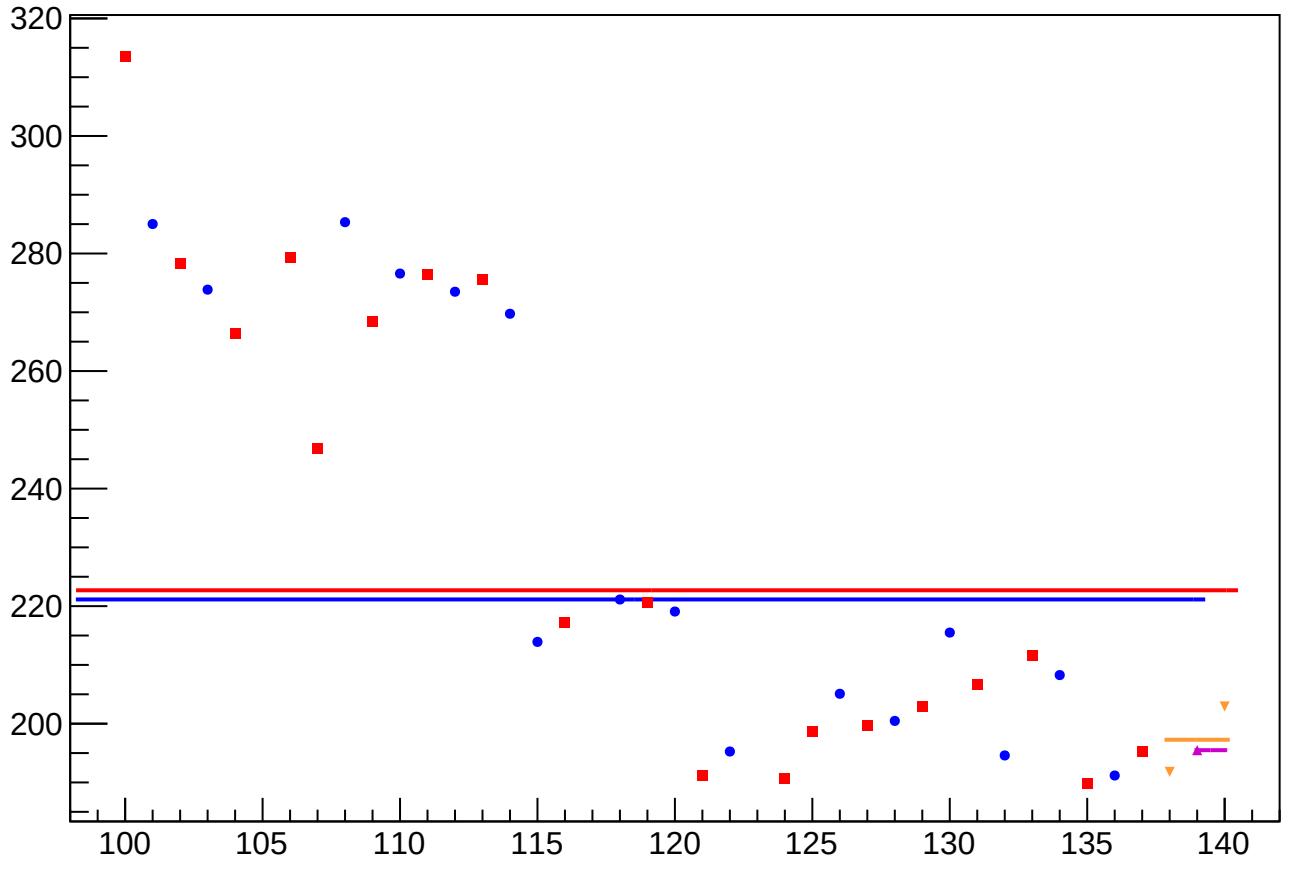
Left: -177.081+/-125.195 χ^2/NDF: 4.5/2

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 167.009+/-77.404 χ^2/NDF:11.5/16

Out: -12.340+/-72.852 χ^2/NDF:28.7/20

All: 71.906+/-53.050 χ^2/NDF: 43.0/37



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 197.267+/-0.110 χ^2/NDF:2577.7/1

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 195.493+/-0.150 χ^2/NDF:0.0/0

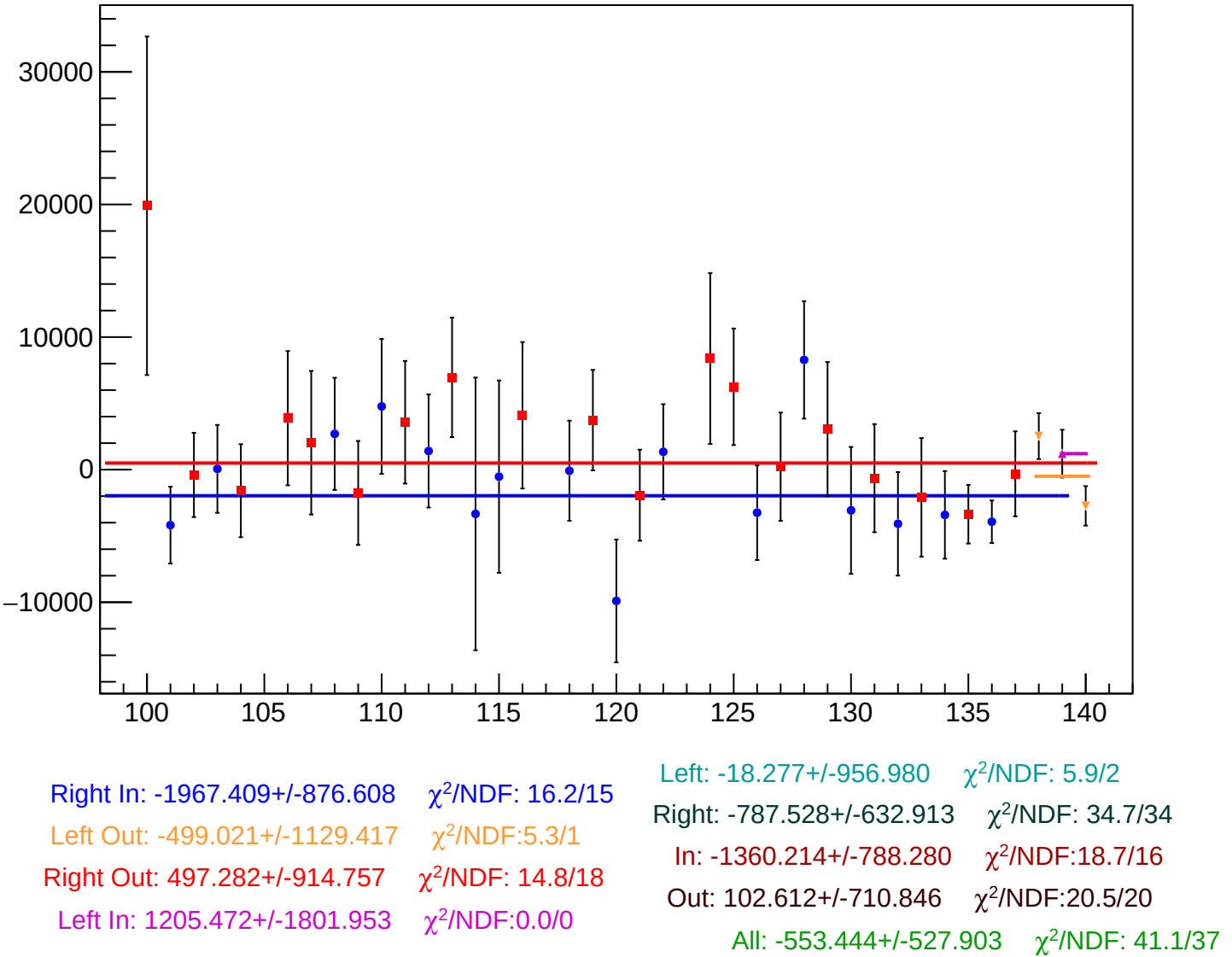
Left: 196.651+/-0.089 χ^2/NDF: 2668.7/2

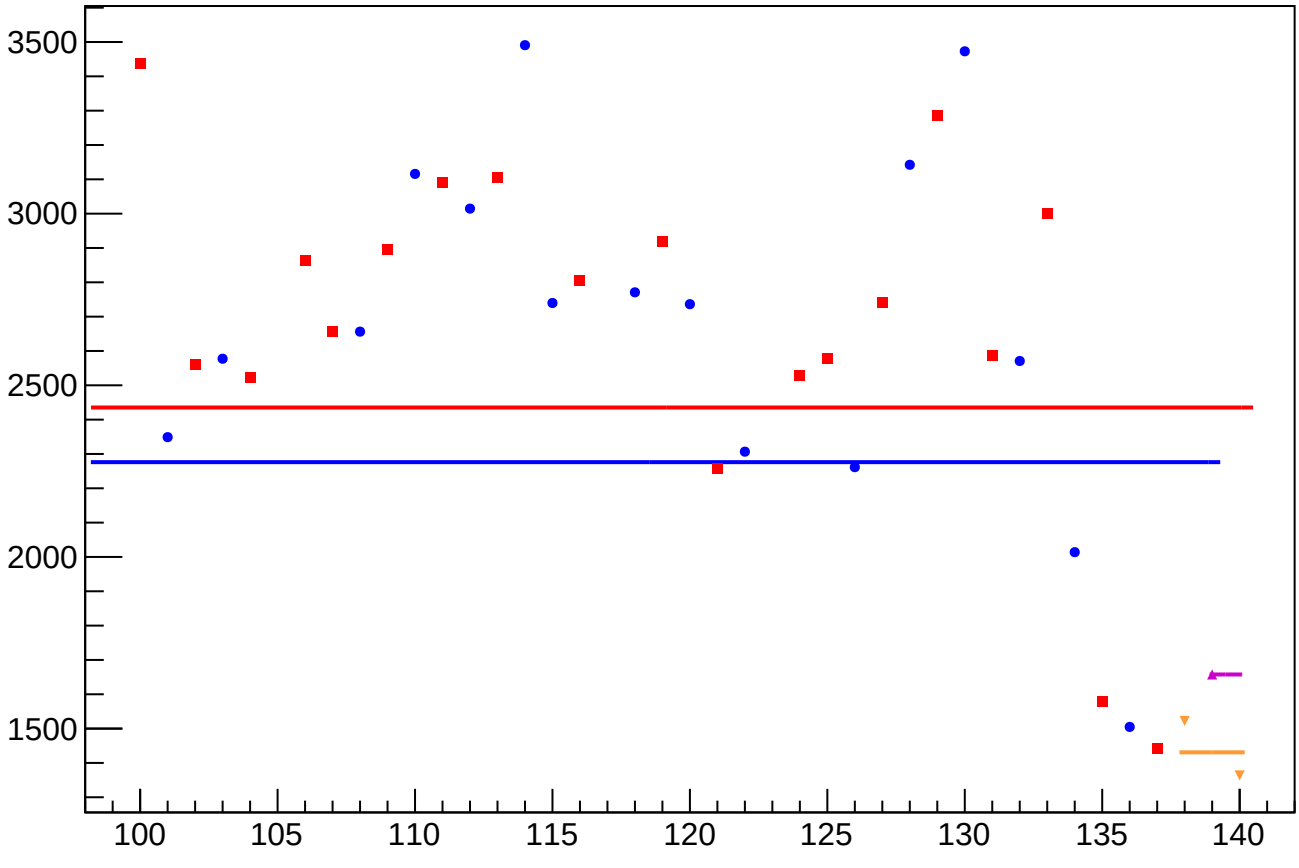
Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 217.735+/-0.055 χ^2/NDF:343964.5/16

Out: 217.075+/-0.052 χ^2/NDF:371564.1/20

All: 217.385+/-0.038 χ^2/NDF: 715605.7/37


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
140
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: -499.021+/-1129.417 χ²/NDF:5.3/1
Right Out: 497.282+/-914.757 χ²/NDF: 14.8/18
Left In: 1205.472+/-1801.953 χ²/NDF:0.0/0
Left: -18.277+/-956.980 χ²/NDF: 5.9/2
Right: -787.528+/-632.913 χ²/NDF: 34.7/34
In: -1360.214+/-788.280 χ²/NDF:18.7/16
Out: 102.612+/-710.846 χ²/NDF:20.5/20
All: -553.444+/-527.903 χ²/NDF: 41.1/37



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1430.882+/-0.799 χ^2/NDF:9639.9/1

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1657.643+/-1.274 χ^2/NDF:0.0/0

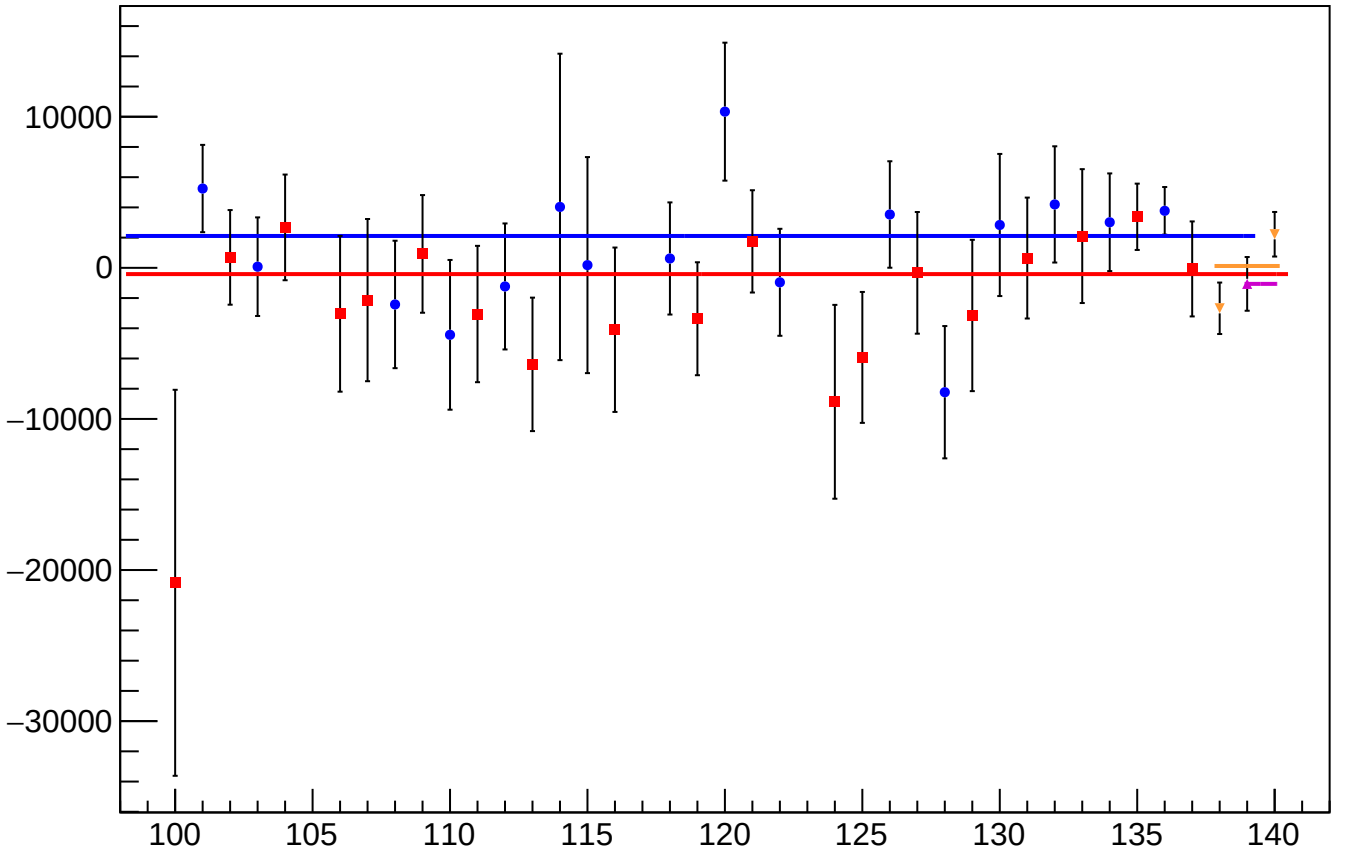
Left: 1494.839+/-0.677 χ^2/NDF: 32379.2/2

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 2157.771+/-0.557 χ^2/NDF:1117500.1/16

Out: 2037.445+/-0.503 χ^2/NDF:1756437.3/20

All: 2091.410+/-0.373 χ^2/NDF: 2899638.1/37



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 122.626+/-1114.999 χ^2/NDF:4.7/1

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -1061.939+/-1777.487 χ^2/NDF:0.0/0

Left: -211.870+/-944.544 χ^2/NDF: 5.0/2

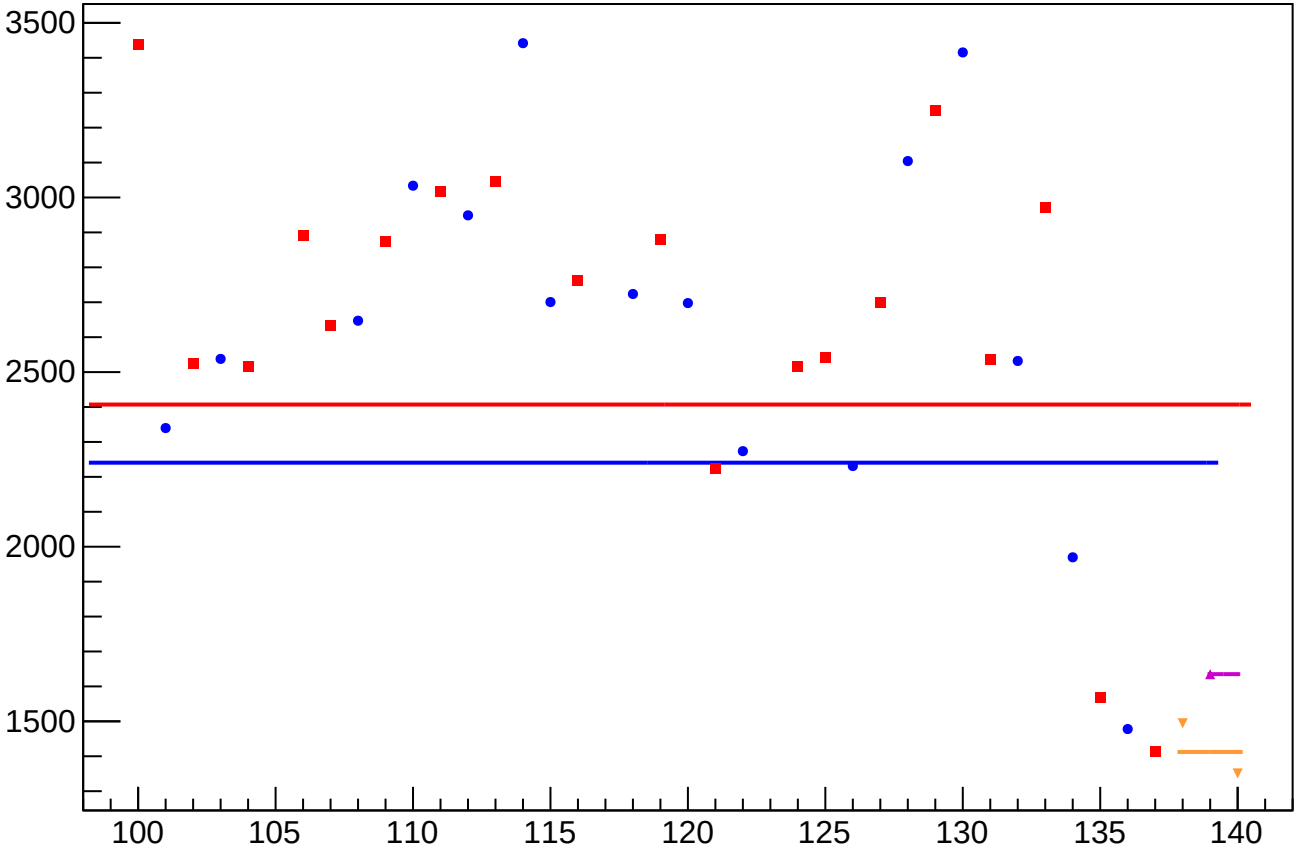
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 1504.218+/-776.547 χ^2/NDF:19.2/16

Out: -201.102+/-702.397 χ^2/NDF:19.5/20

All: 566.273+/-520.917 χ^2/NDF: 41.4/37

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1412.336+/-0.788 χ^2/NDF:8118.8/1

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1635.101+/-1.257 χ^2/NDF:0.0/0

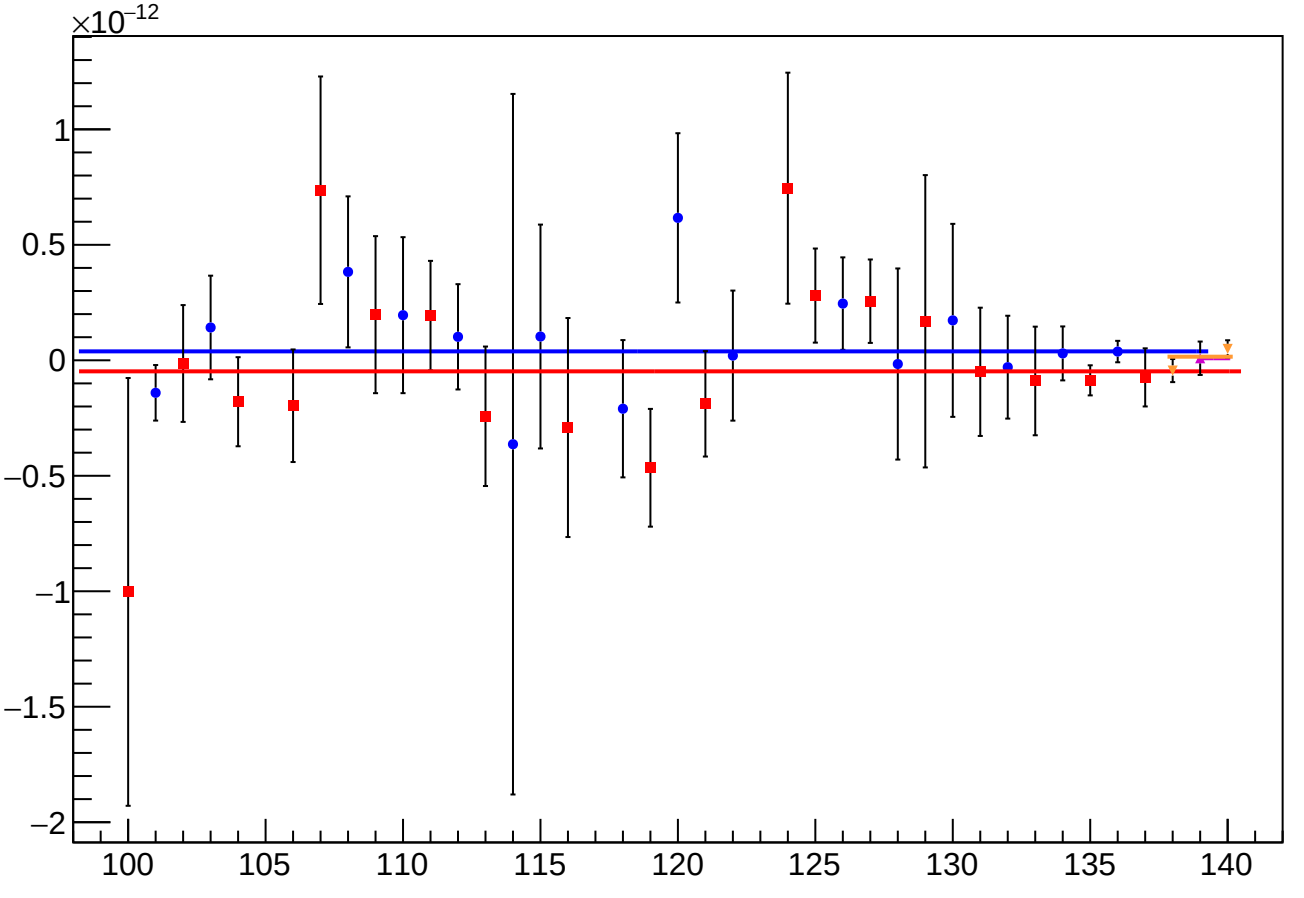
Left: 1475.240+/-0.668 χ^2/NDF: 30661.5/2

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 2125.053+/-0.549 χ^2/NDF:1121394.2/16

Out: 2012.351+/-0.497 χ^2/NDF:1757321.9/20

All: 2063.066+/-0.368 χ^2/NDF: 2901886.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

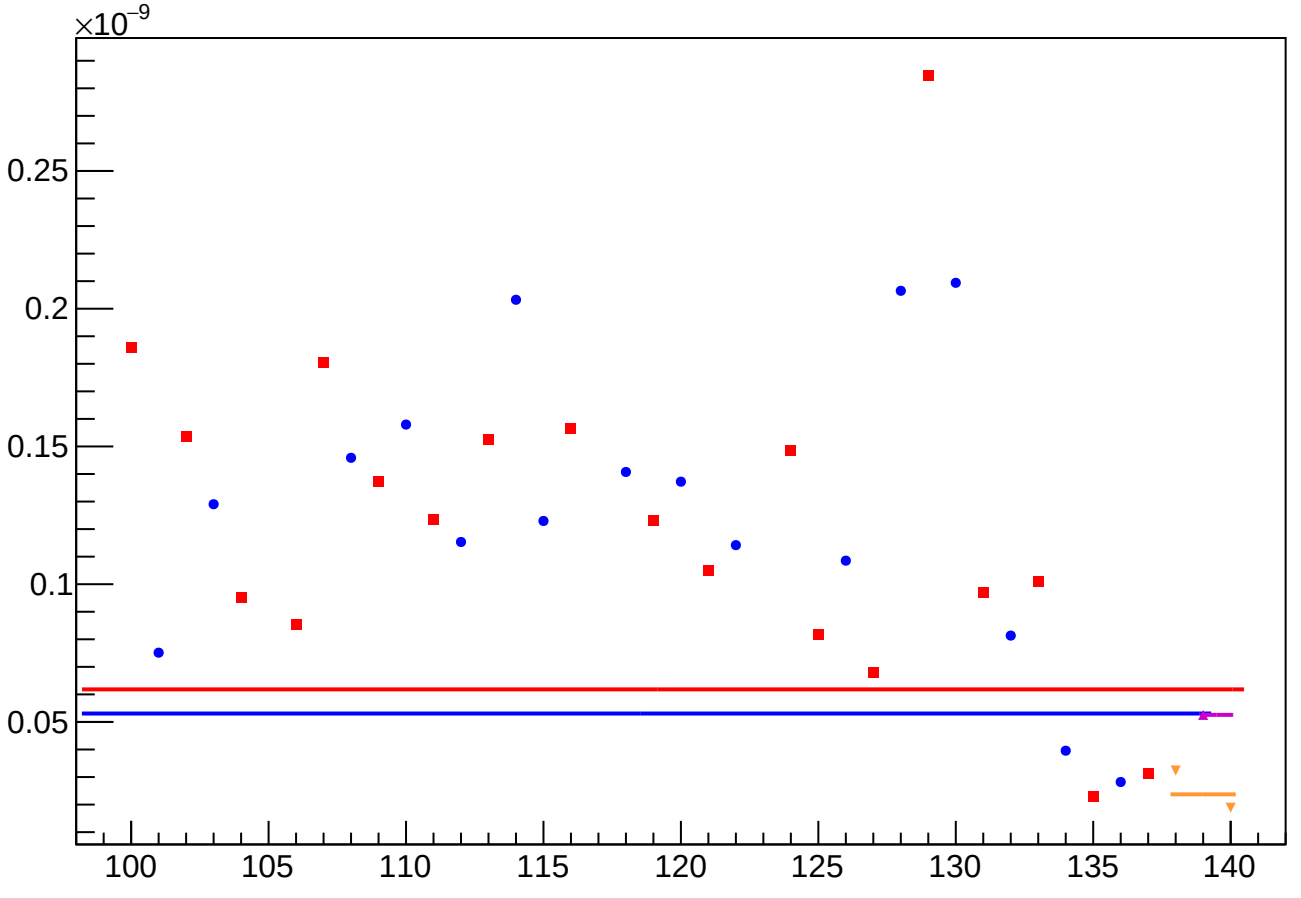
Left: 0.000+/-0.000 χ^2/NDF: 2.3/2

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:8.5/16

Out: -0.000+/-0.000 χ^2/NDF:21.9/20

All: 0.000+/-0.000 χ^2/NDF: 31.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:93378.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 364909.3/2

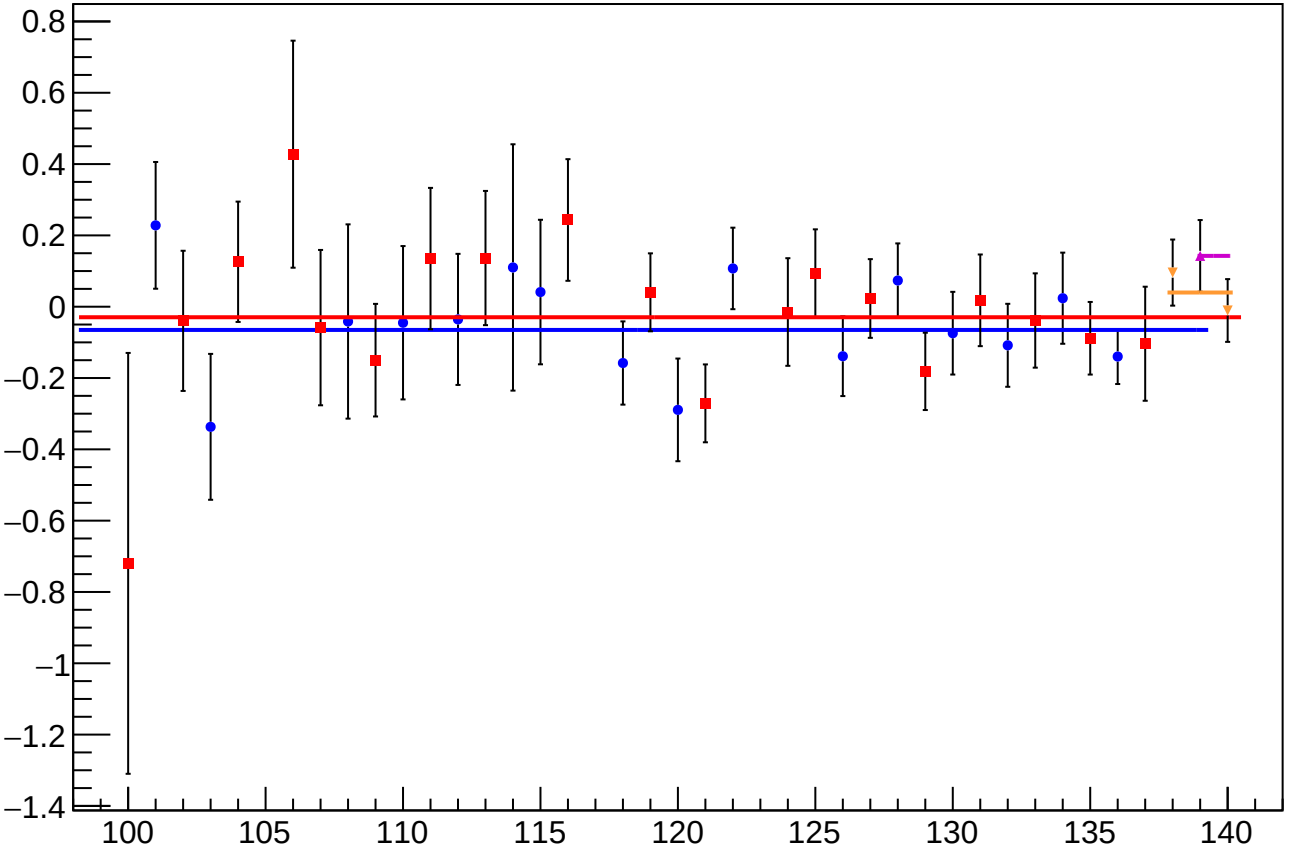
Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:2576554.0/16

Out: 0.000+/-0.000 χ^2/NDF:3555099.3/20

All: 0.000+/-0.000 χ^2/NDF: 6475800.5/37

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: 0.040+/-0.064 χ^2/NDF:0.7/1

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.143+/-0.100 χ^2/NDF:0.0/0

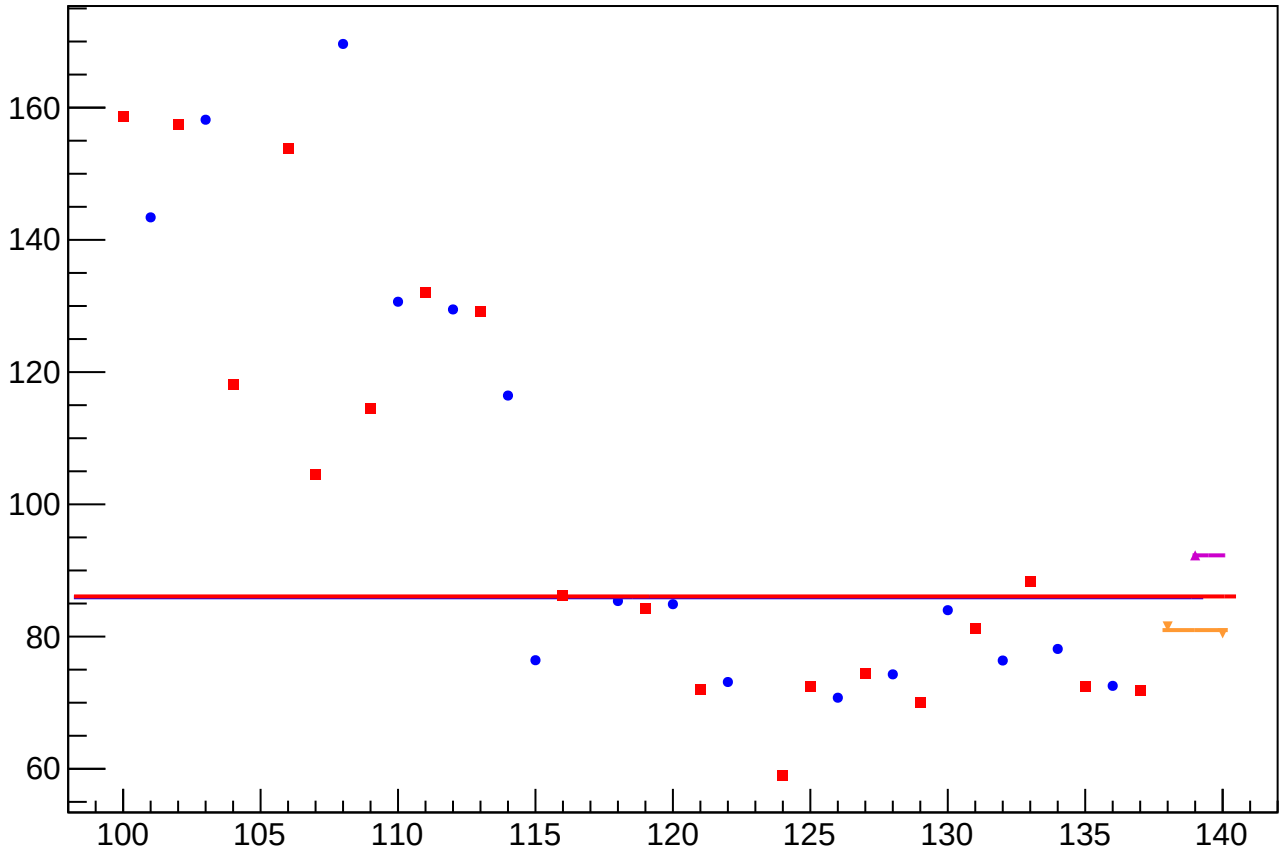
Left: 0.069+/-0.054 χ^2/NDF: 1.4/2

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.045+/-0.032 χ^2/NDF:18.0/16

Out: -0.015+/-0.029 χ^2/NDF:19.7/20

All: -0.029+/-0.021 χ^2/NDF: 38.2/37



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 80.981+/-0.045 χ^2/NDF:136.1/1

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 92.286+/-0.071 χ^2/NDF:0.0/0

Left: 84.231+/-0.038 χ^2/NDF: 18176.4/2

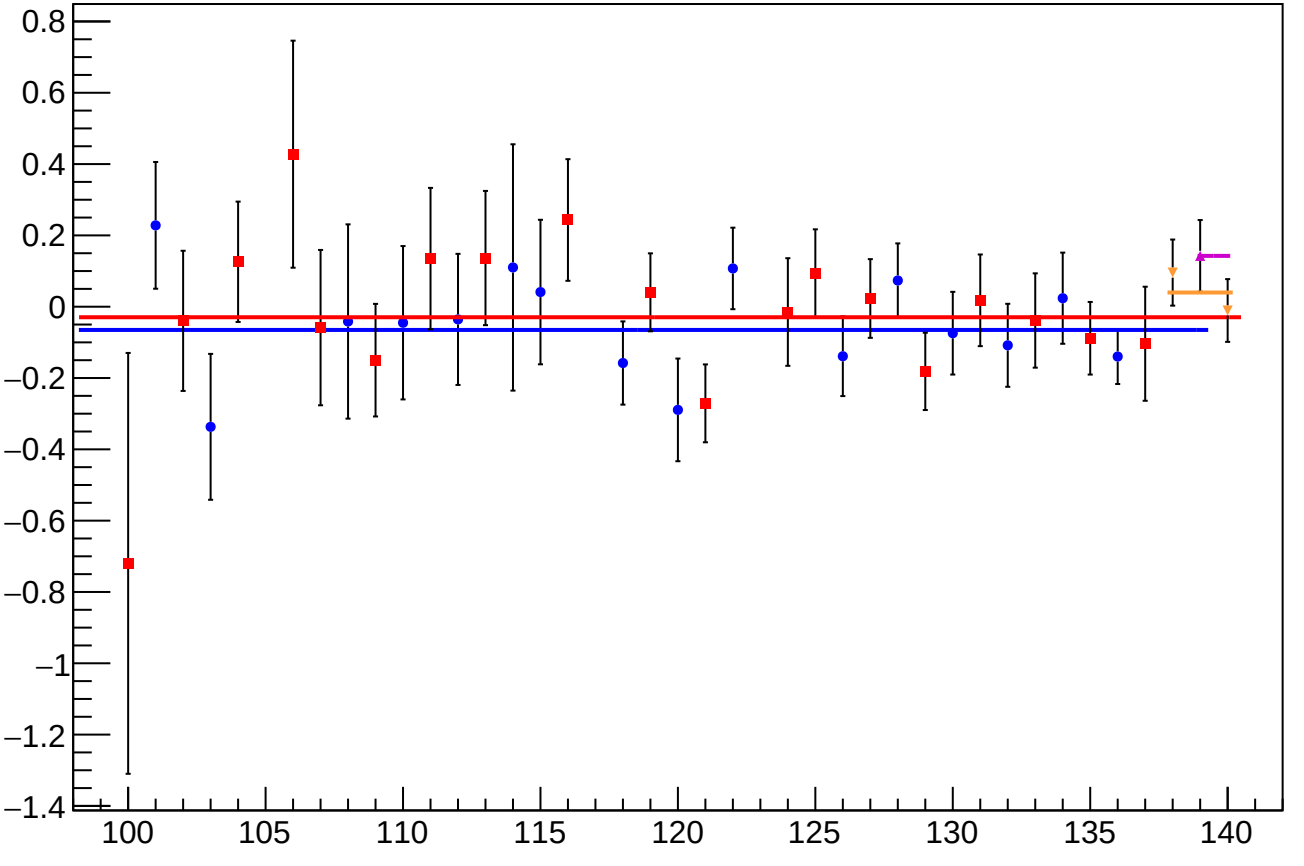
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 86.573+/-0.022 χ^2/NDF:1042180.0/16

Out: 85.000+/-0.021 χ^2/NDF:1001557.6/20

All: 85.727+/-0.015 χ^2/NDF: 2046402.0/37

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.040+/-0.064 χ^2/NDF:0.7/1

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.143+/-0.100 χ^2/NDF:0.0/0

Left: 0.069+/-0.054 χ^2/NDF: 1.4/2

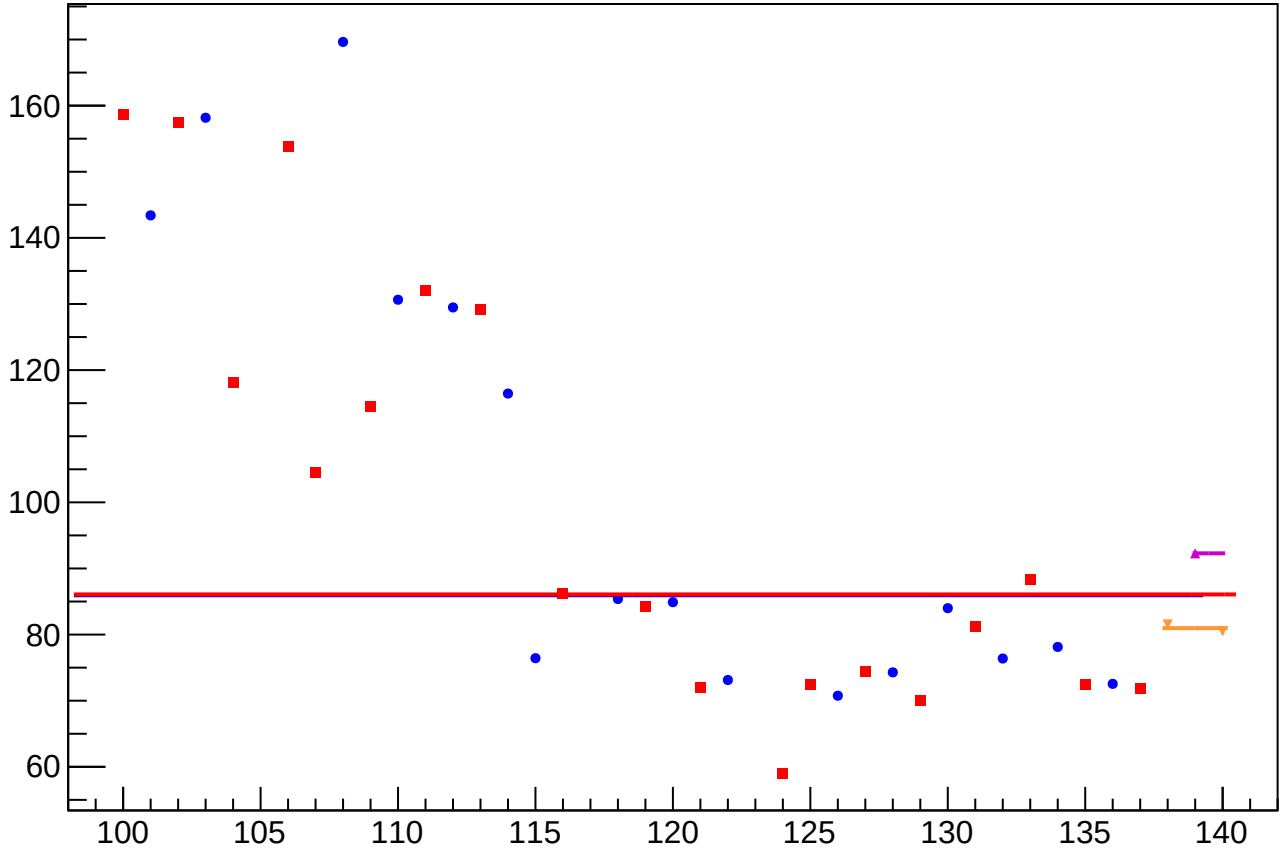
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.045+/-0.032 χ^2/NDF:18.0/16

Out: -0.015+/-0.029 χ^2/NDF:19.7/20

All: -0.029+/-0.021 χ^2/NDF: 38.2/37

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 80.981+/-0.045 χ^2/NDF:136.1/1

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 92.286+/-0.071 χ^2/NDF:0.0/0

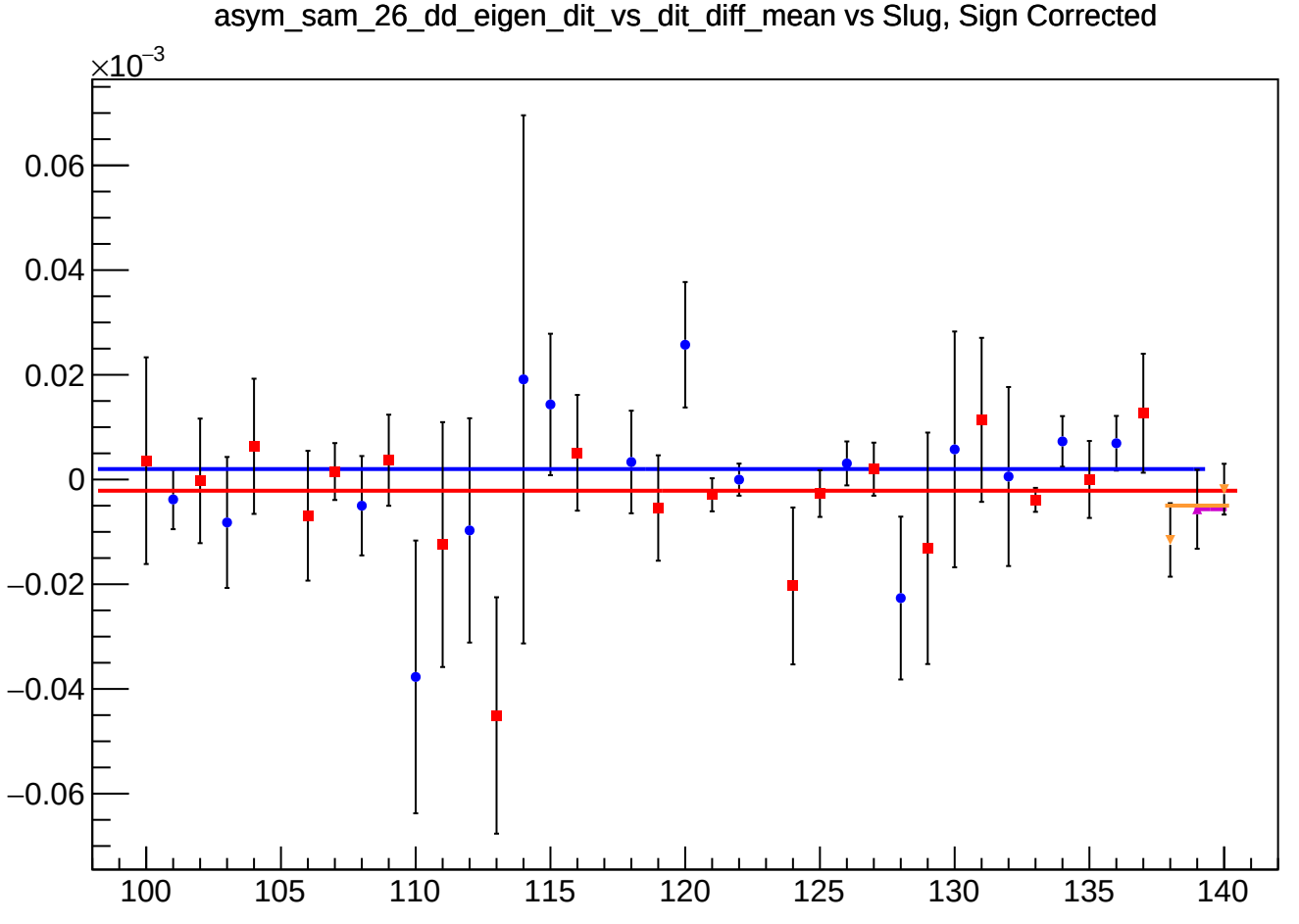
Left: 84.231+/-0.038 χ^2/NDF: 18176.4/2

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 86.573+/-0.022 χ^2/NDF:1042180.0/16

Out: 85.000+/-0.021 χ^2/NDF:1001557.6/20

All: 85.727+/-0.015 χ^2/NDF: 2046402.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

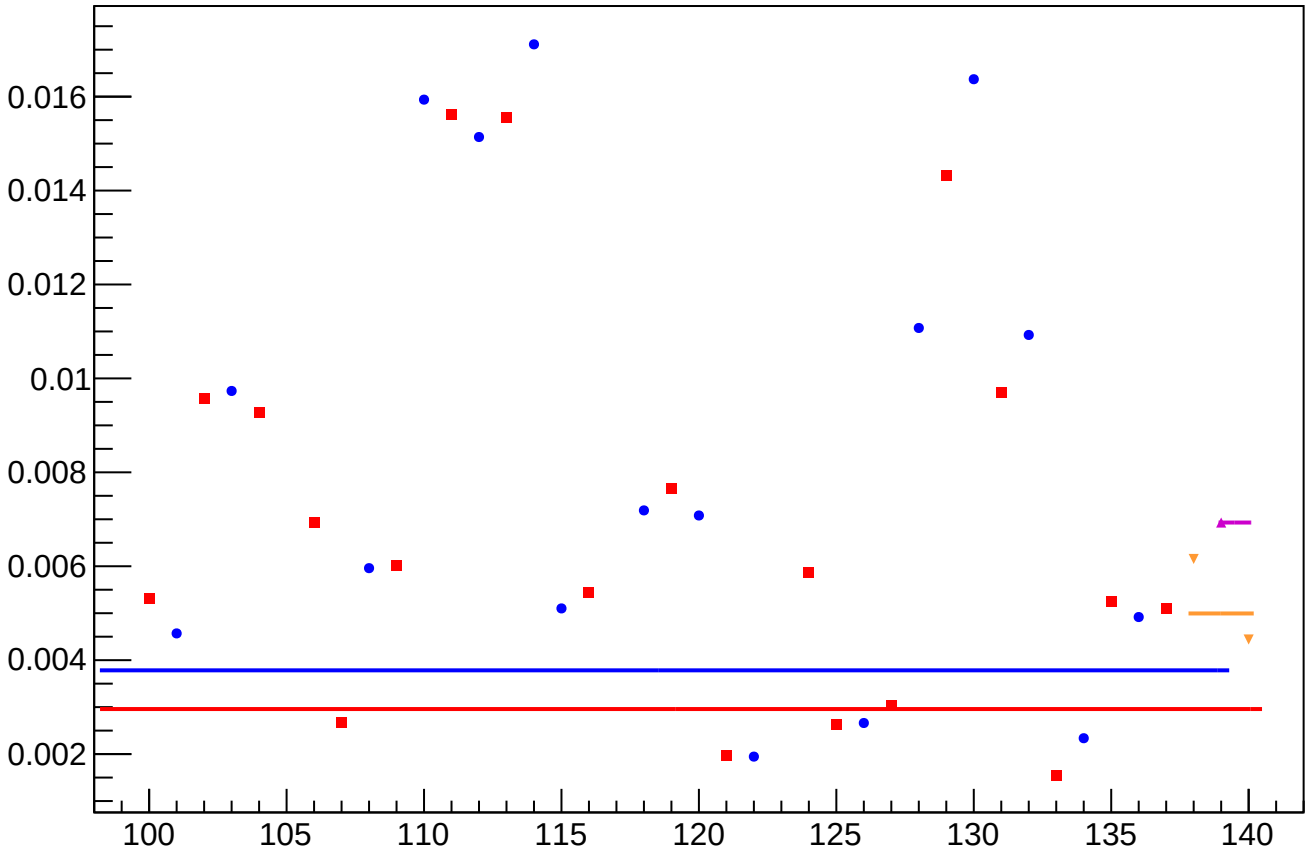
Left: -0.000+/-0.000 χ^2/NDF: 1.3/2

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:15.9/16

Out: -0.000+/-0.000 χ^2/NDF:13.3/20

All: -0.000+/-0.000 χ^2/NDF: 32.7/37



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:80813.3/1

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.007+/-0.000 χ^2/NDF:0.0/0

Left: 0.005+/-0.000 χ^2/NDF: 183716.3/2

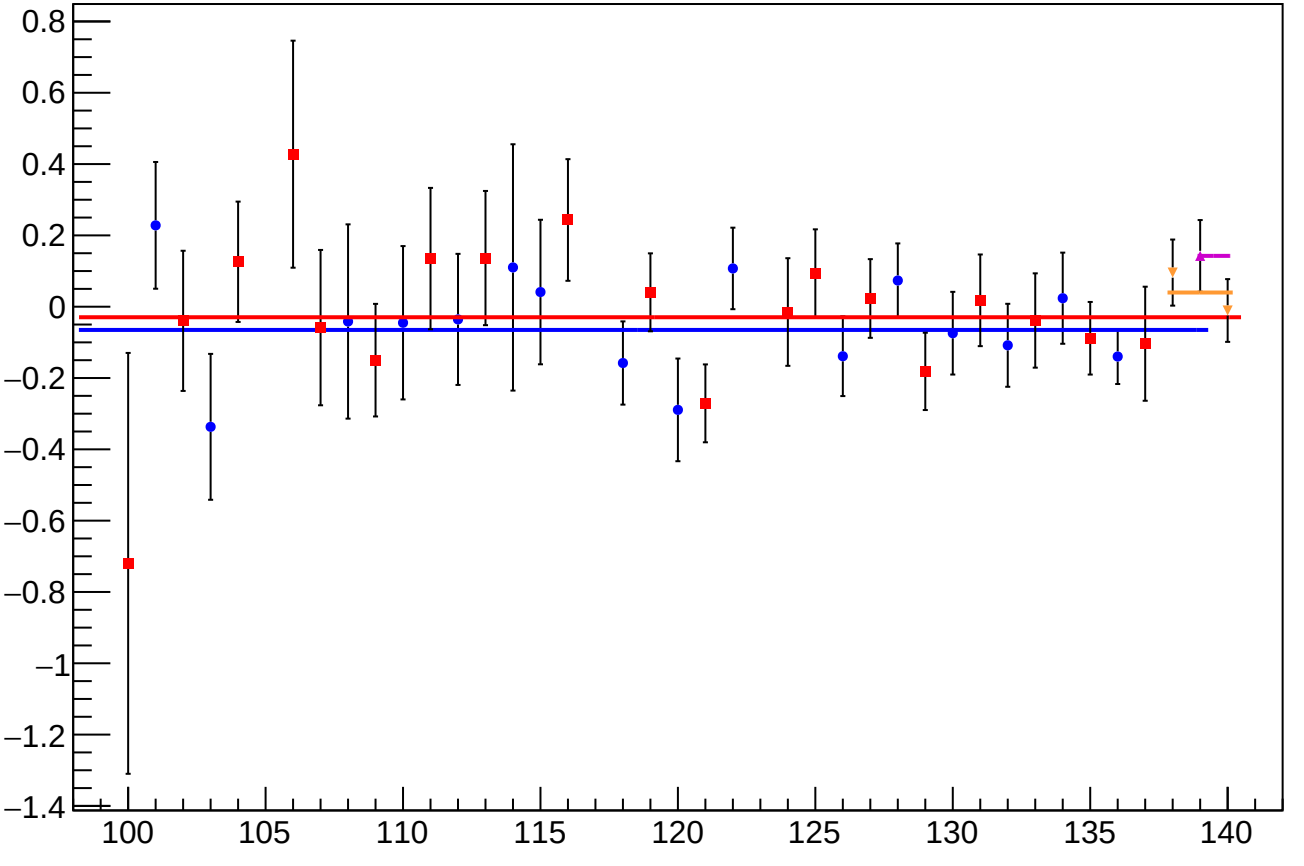
Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:5024523.3/16

Out: 0.003+/-0.000 χ^2/NDF:6091976.1/20

All: 0.003+/-0.000 χ^2/NDF: 11365500.0/37

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.040+/-0.064 χ^2/NDF:0.7/1

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.143+/-0.100 χ^2/NDF:0.0/0

Left: 0.069+/-0.054 χ^2/NDF: 1.4/2

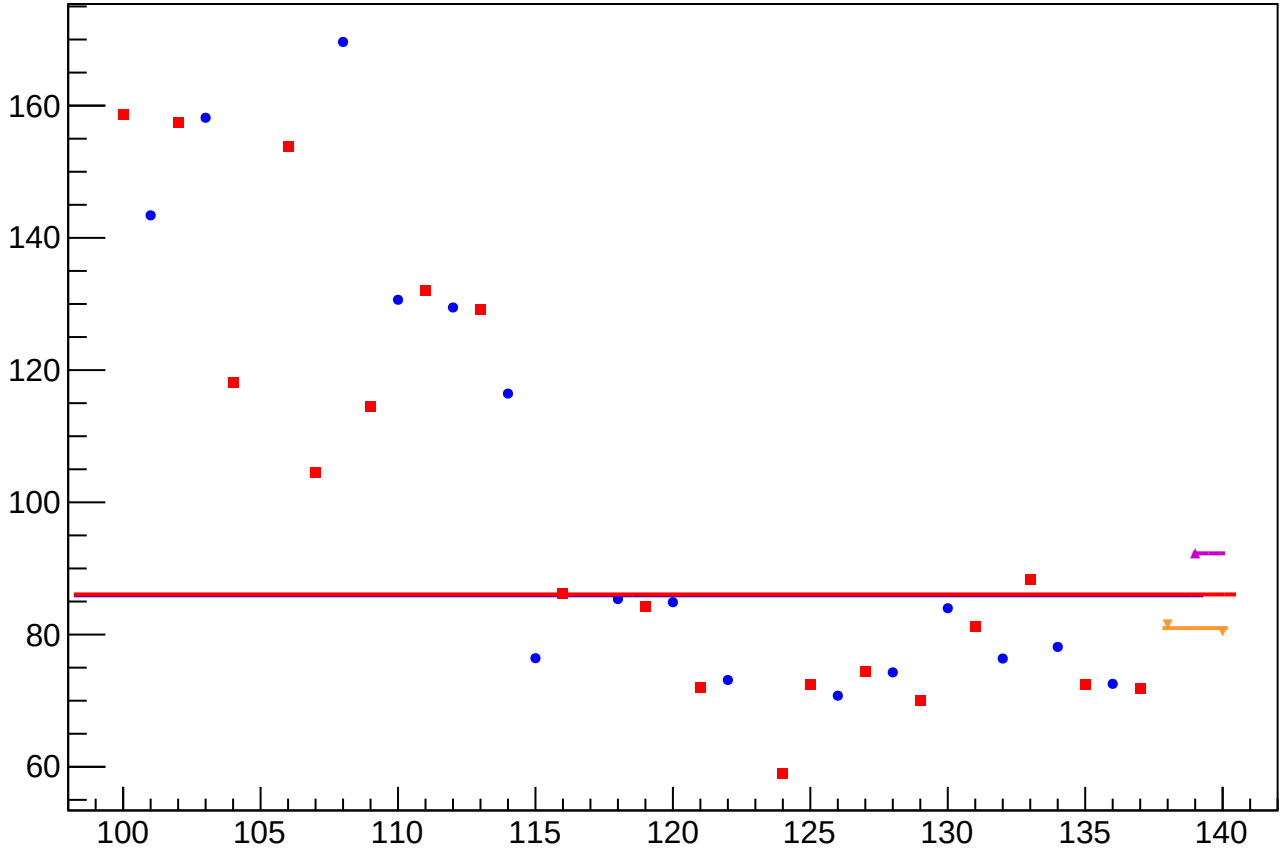
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.045+/-0.032 χ^2/NDF:18.0/16

Out: -0.015+/-0.029 χ^2/NDF:19.7/20

All: -0.029+/-0.021 χ^2/NDF: 38.2/37

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 80.980+/-0.045 χ^2/NDF:135.9/1

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 92.285+/-0.071 χ^2/NDF:0.0/0

Left: 84.230+/-0.038 χ^2/NDF: 18175.2/2

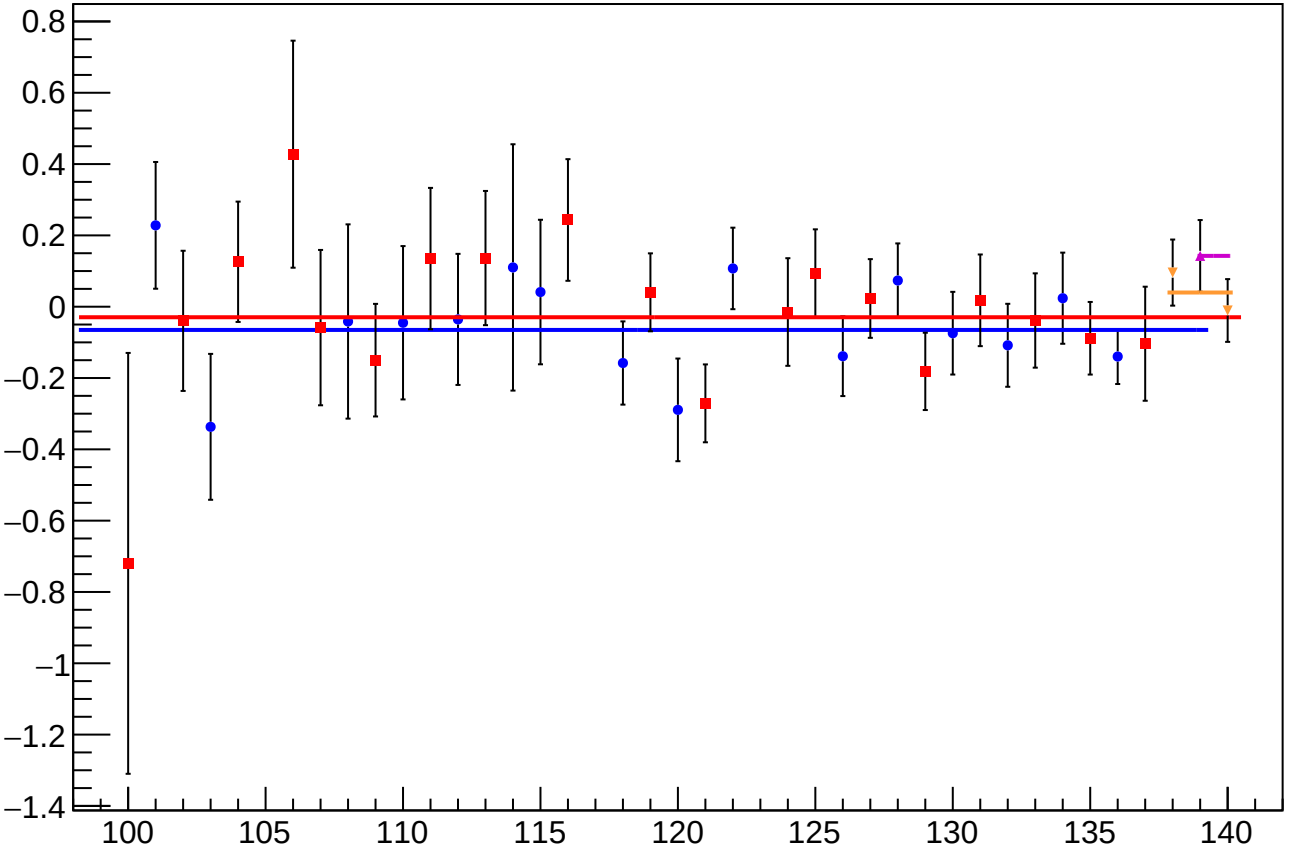
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 86.571+/-0.022 χ^2/NDF:1042165.4/16

Out: 84.998+/-0.021 χ^2/NDF:1001545.9/20

All: 85.725+/-0.015 χ^2/NDF: 2046373.7/37

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.040+/-0.064 χ^2/NDF:0.7/1

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.143+/-0.100 χ^2/NDF:0.0/0

Left: 0.069+/-0.054 χ^2/NDF: 1.4/2

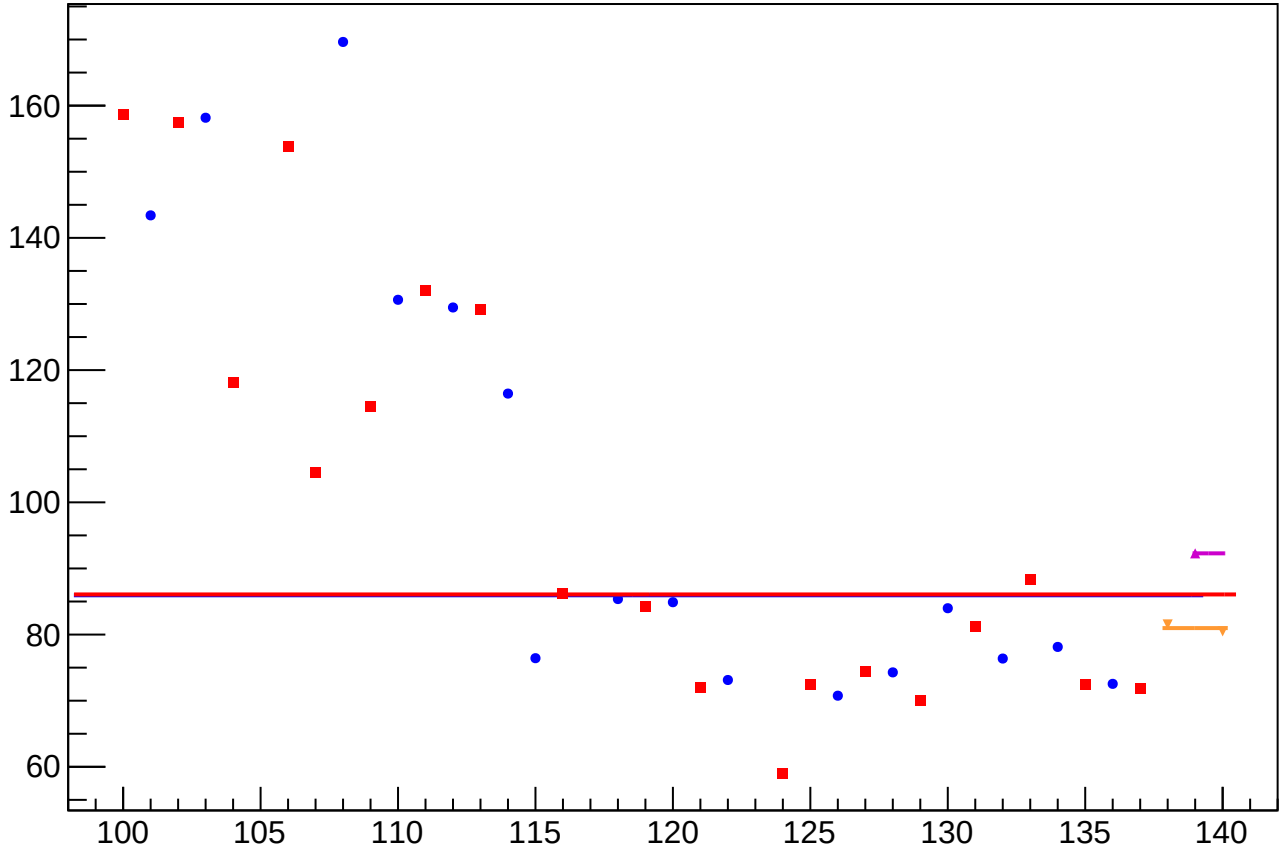
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.045+/-0.032 χ^2/NDF:18.0/16

Out: -0.015+/-0.029 χ^2/NDF:19.7/20

All: -0.029+/-0.021 χ^2/NDF: 38.2/37

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 80.980+/-0.045 χ^2/NDF:135.9/1

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 92.285+/-0.071 χ^2/NDF:0.0/0

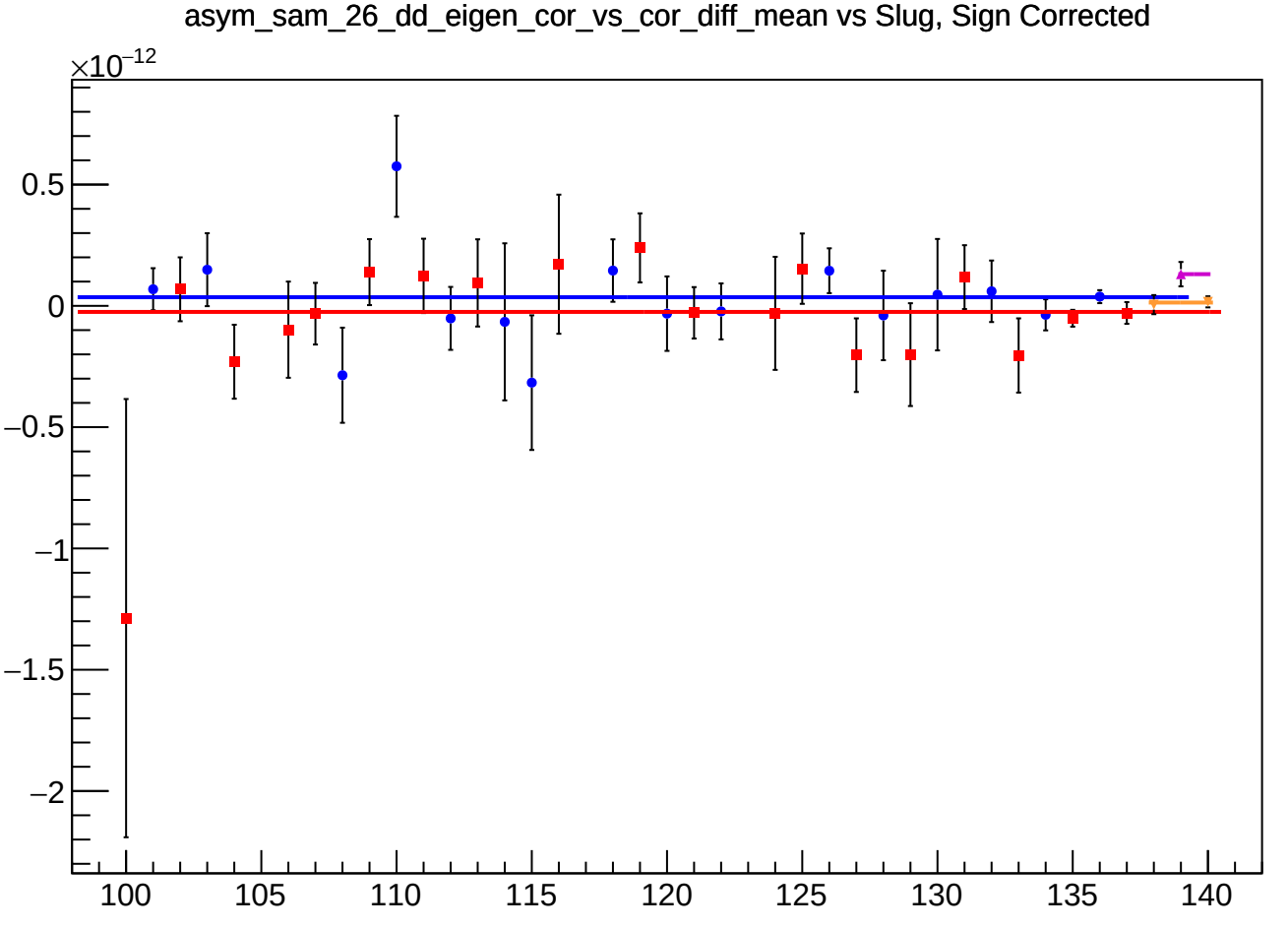
Left: 84.230+/-0.038 χ^2/NDF: 18175.2/2

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 86.571+/-0.022 χ^2/NDF:1042165.4/16

Out: 84.998+/-0.021 χ^2/NDF:1001545.9/20

All: 85.725+/-0.015 χ^2/NDF: 2046373.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

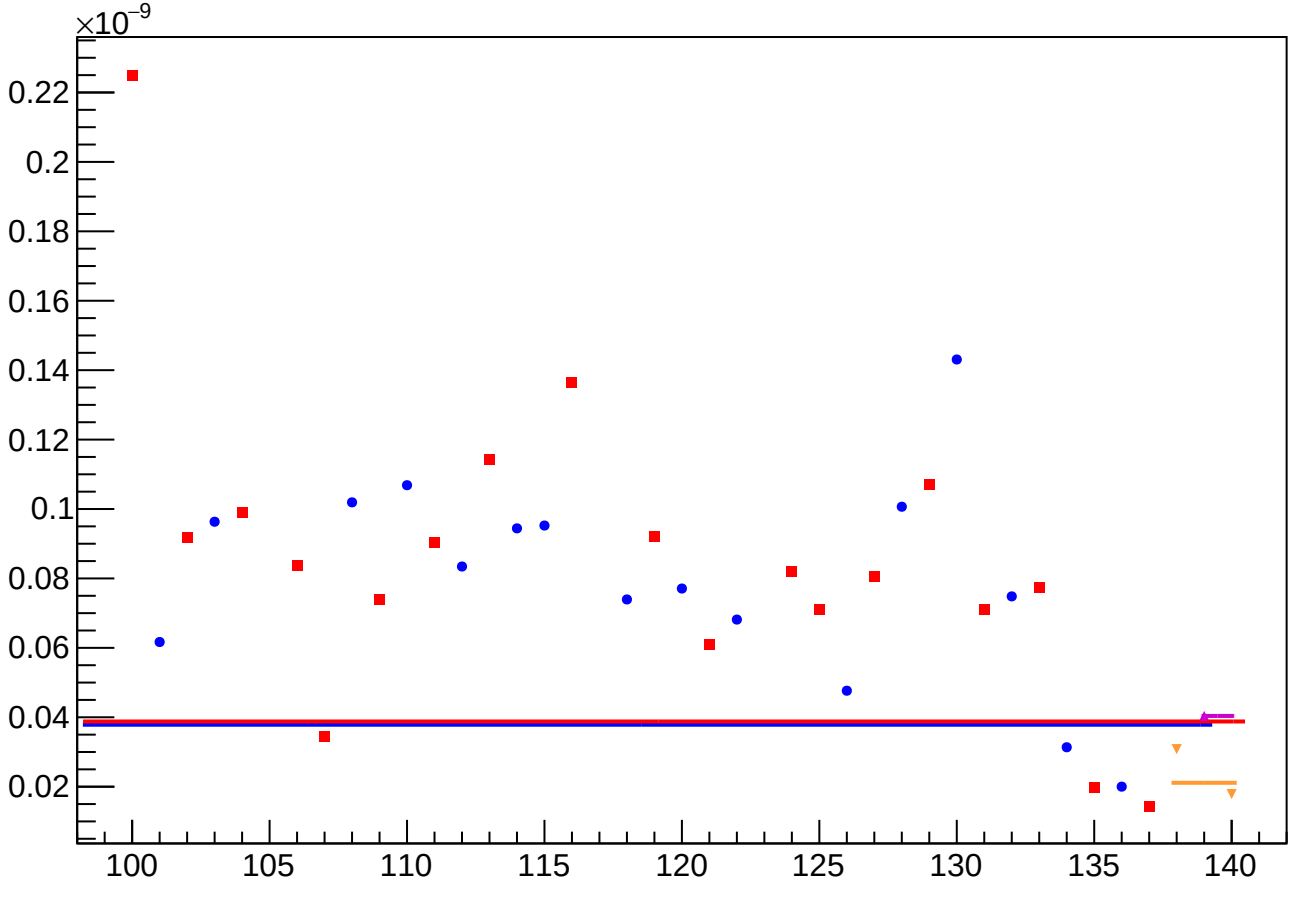
Left: 0.000+/-0.000 χ^2/NDF: 4.8/2

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:19.4/16

Out: -0.000+/-0.000 χ^2/NDF:19.6/20

All: 0.000+/-0.000 χ^2/NDF: 43.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:162133.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 416560.4/2

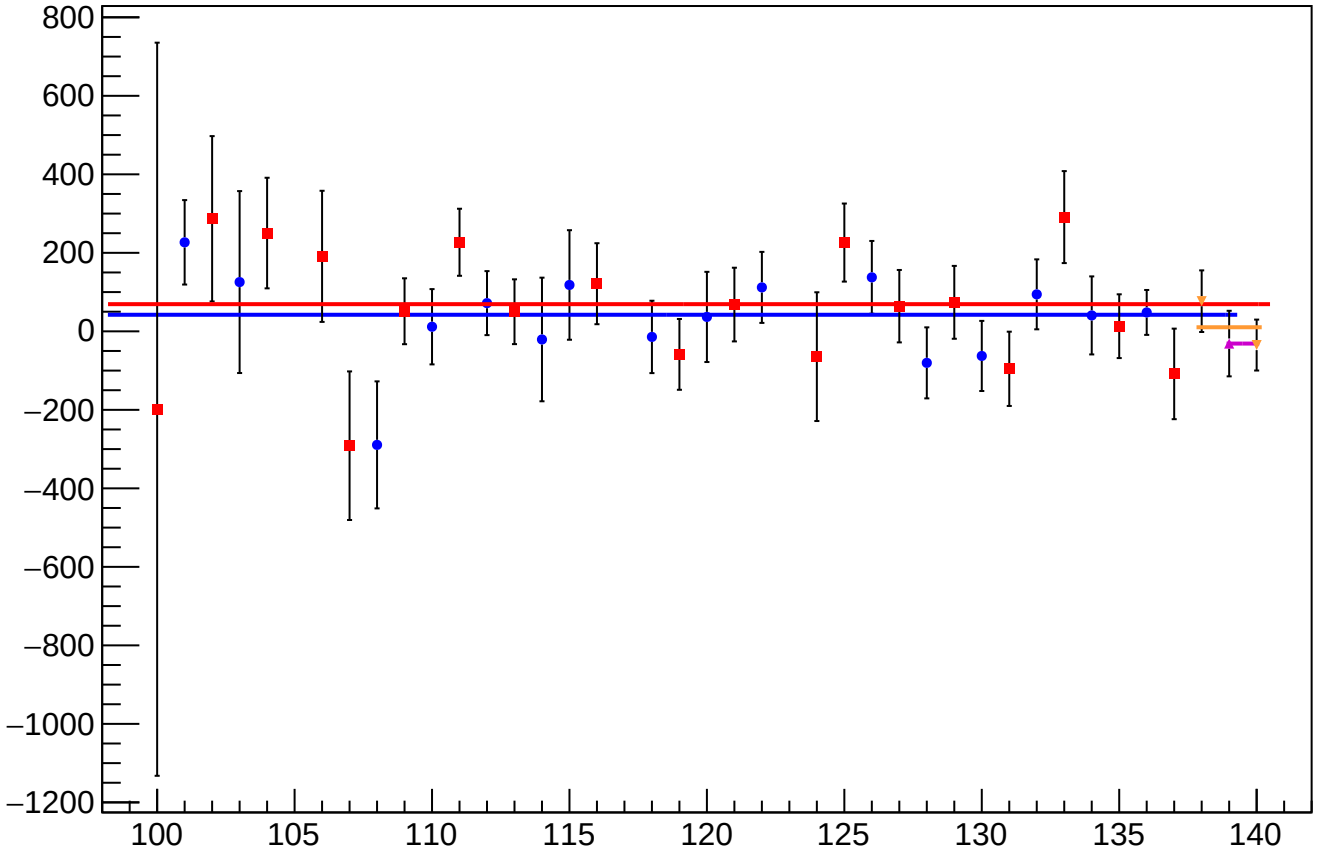
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:3461254.5/16

Out: 0.000+/-0.000 χ^2/NDF:4991341.5/20

All: 0.000+/-0.000 χ^2/NDF: 8749214.6/37

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: 10.420+/-49.999 χ^2/NDF:1.2/1

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -31.158+/-83.509 χ^2/NDF:0.0/0

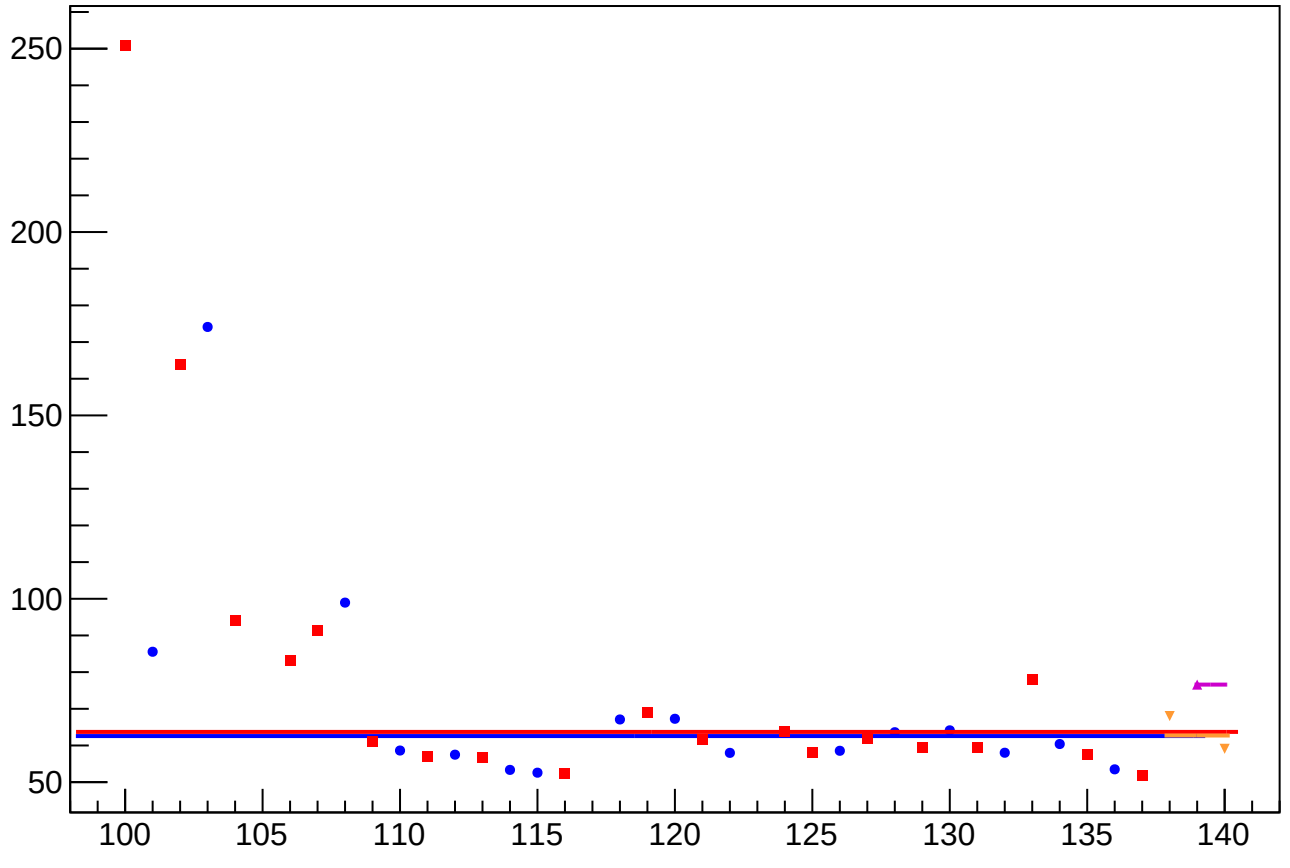
Left: -0.552+/-42.898 χ^2/NDF: 1.4/2

Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: 36.532+/-23.250 χ^2/NDF:14.3/16

Out: 57.920+/-21.941 χ^2/NDF:27.7/20

All: 47.845+/-15.957 χ^2/NDF: 42.4/37



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 62.717+/-0.035 χ^2/NDF:15376.9/1

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 76.599+/-0.059 χ^2/NDF:0.0/0

Left: 66.380+/-0.030 χ^2/NDF: 56062.7/2

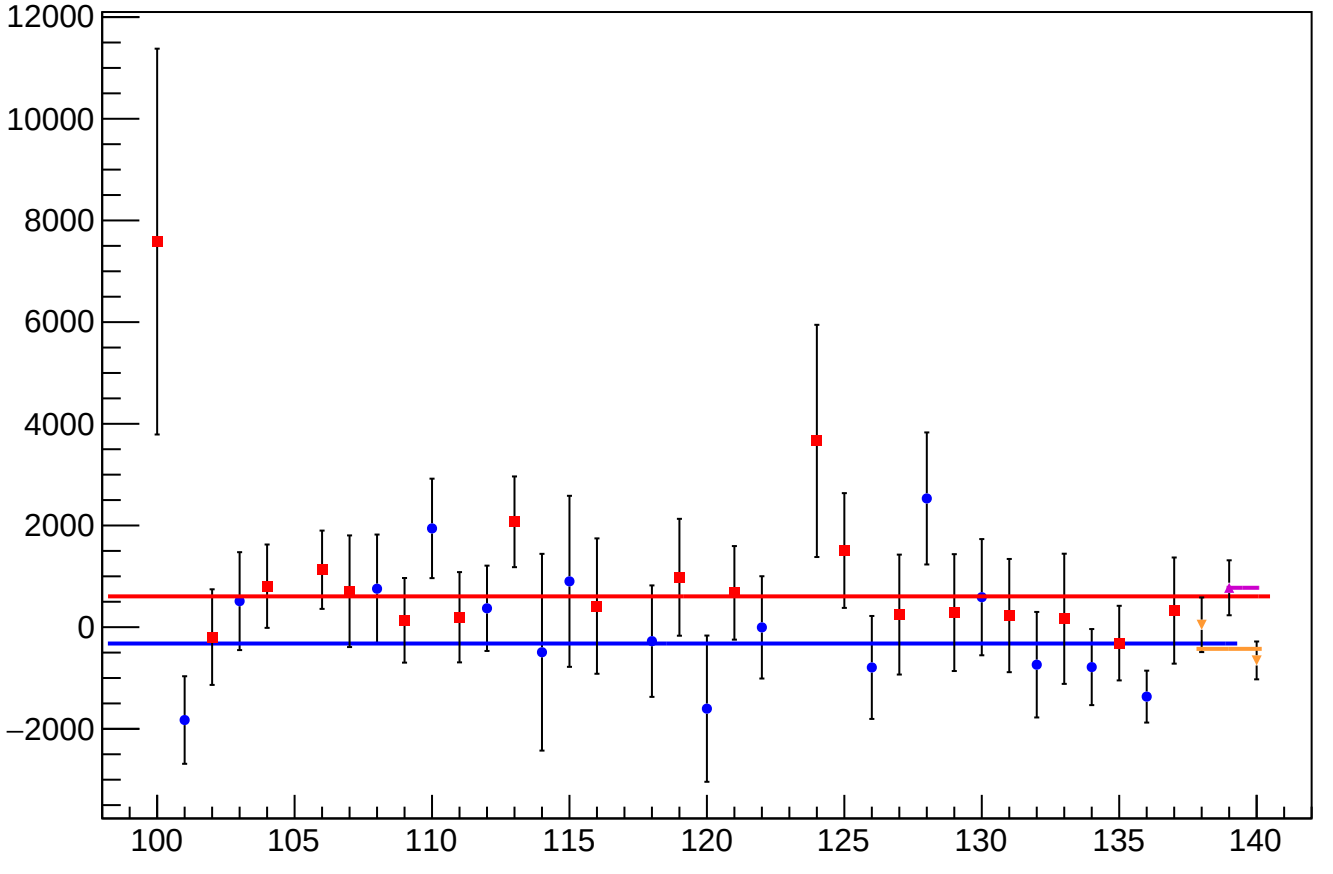
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 63.653+/-0.016 χ^2/NDF:810706.0/16

Out: 63.510+/-0.016 χ^2/NDF:850180.8/20

All: 63.578+/-0.011 χ^2/NDF: 1660926.9/37

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -426.512+/-305.968 χ^2/NDF:1.2/1

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 774.755+/-540.665 χ^2/NDF:0.0/0

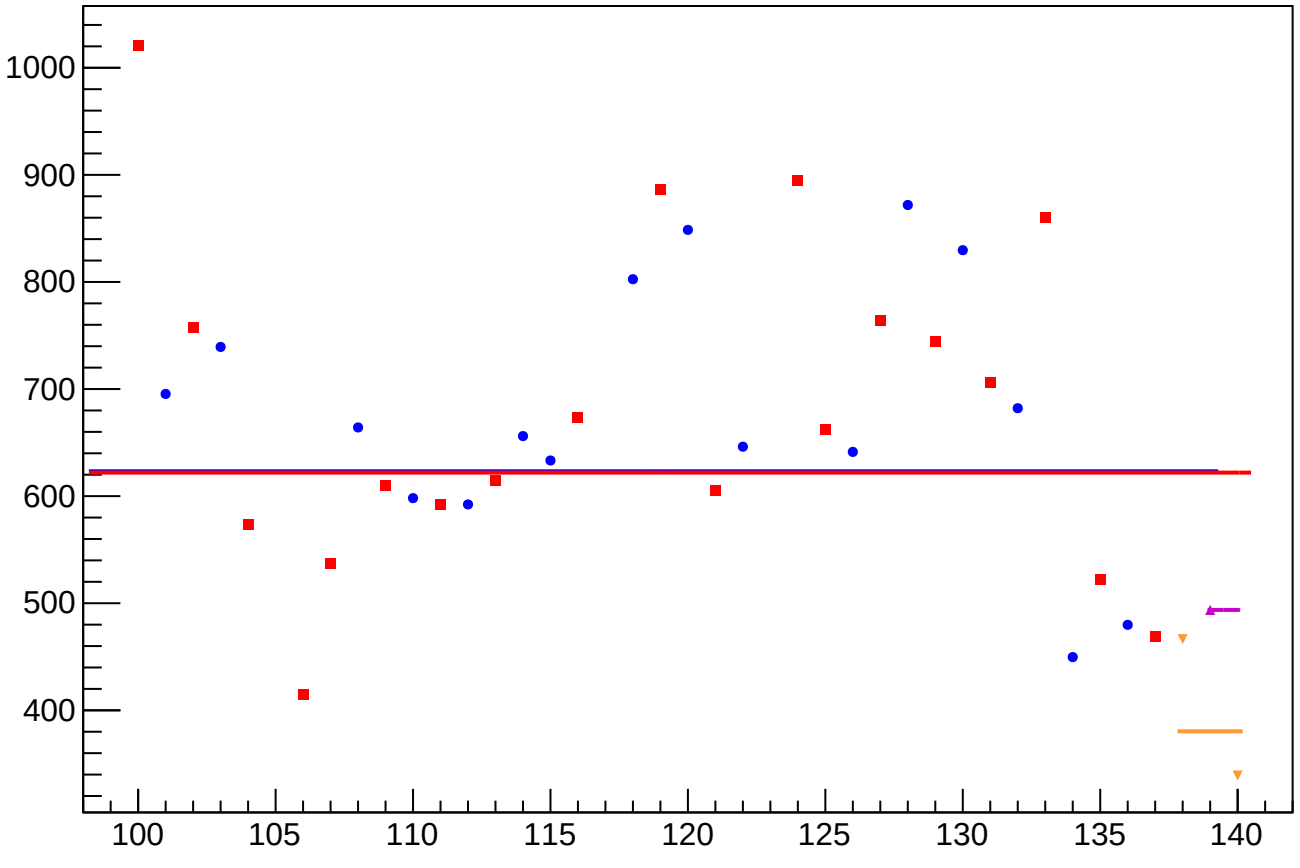
Left: -135.119+/-266.286 χ^2/NDF: 4.9/2

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: -143.087+/-218.199 χ^2/NDF:26.2/16

Out: 225.603+/-185.694 χ^2/NDF:20.8/20

All: 70.739+/-141.415 χ^2/NDF: 48.6/37



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 380.409+/-0.216 χ^2/NDF:75863.7/1

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 493.754+/-0.382 χ^2/NDF:0.0/0

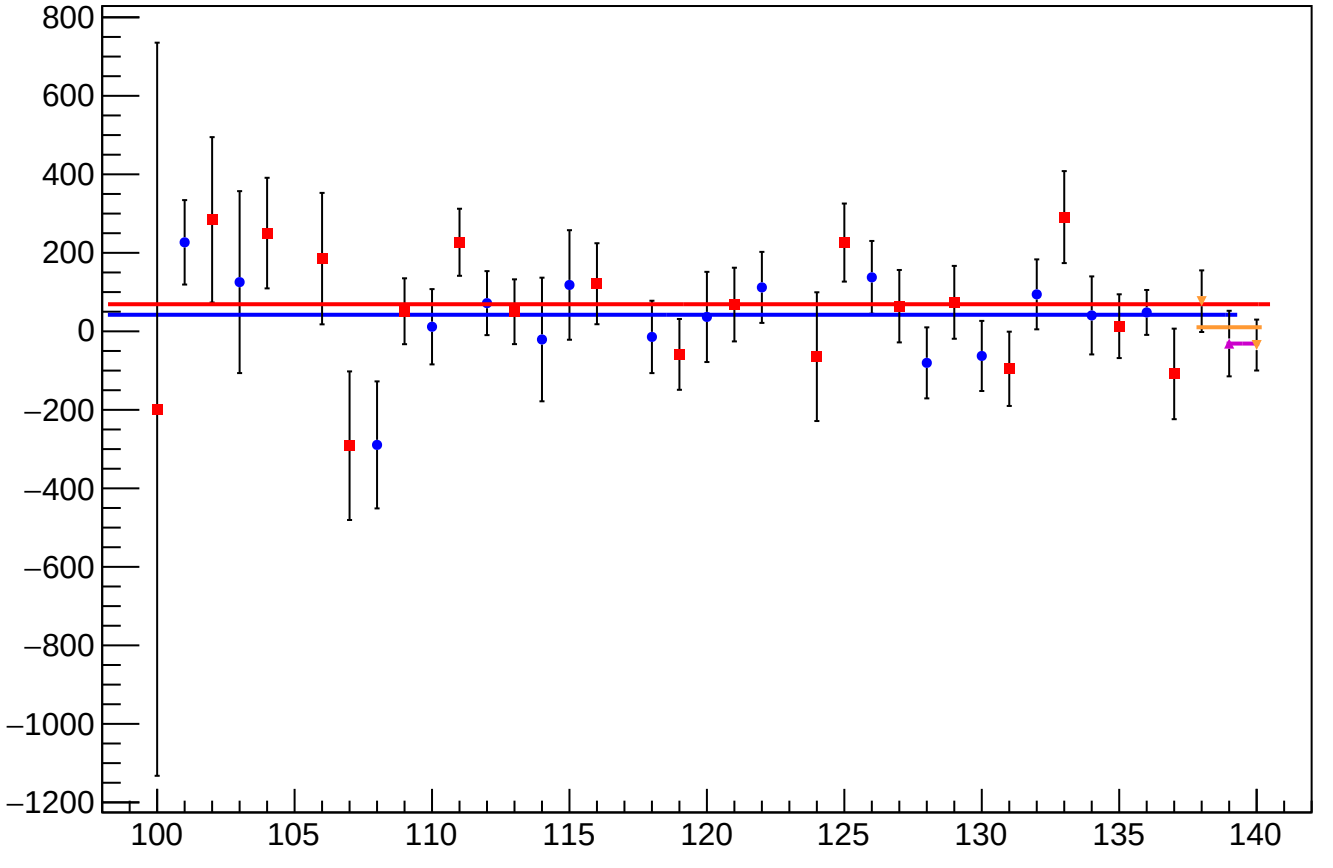
Left: 407.903+/-0.188 χ^2/NDF: 142440.2/2

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 602.101+/-0.154 χ^2/NDF:661468.5/16

Out: 532.998+/-0.131 χ^2/NDF:1445929.7/20

All: 562.024+/-0.100 χ^2/NDF: 2223734.9/37



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 10.429+/-49.999 χ^2/NDF:1.2/1

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -31.151+/-83.509 χ^2/NDF:0.0/0

Left: -0.543+/-42.898 χ^2/NDF: 1.4/2

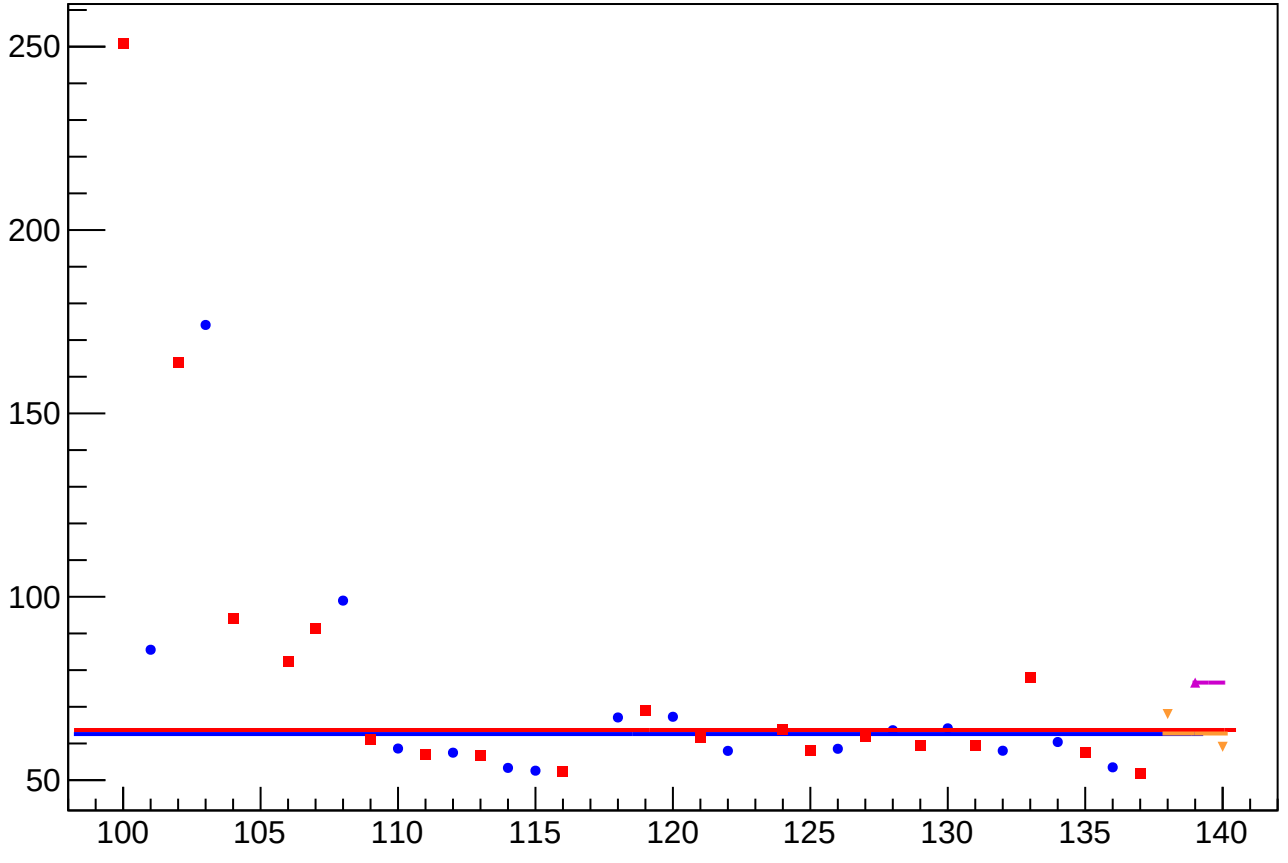
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: 36.527+/-23.250 χ^2/NDF:14.3/16

Out: 57.775+/-21.943 χ^2/NDF:27.6/20

All: 47.765+/-15.958 χ^2/NDF: 42.3/37

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 62.717+/-0.035 χ^2/NDF:15376.9/1

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 76.599+/-0.059 χ^2/NDF:0.0/0

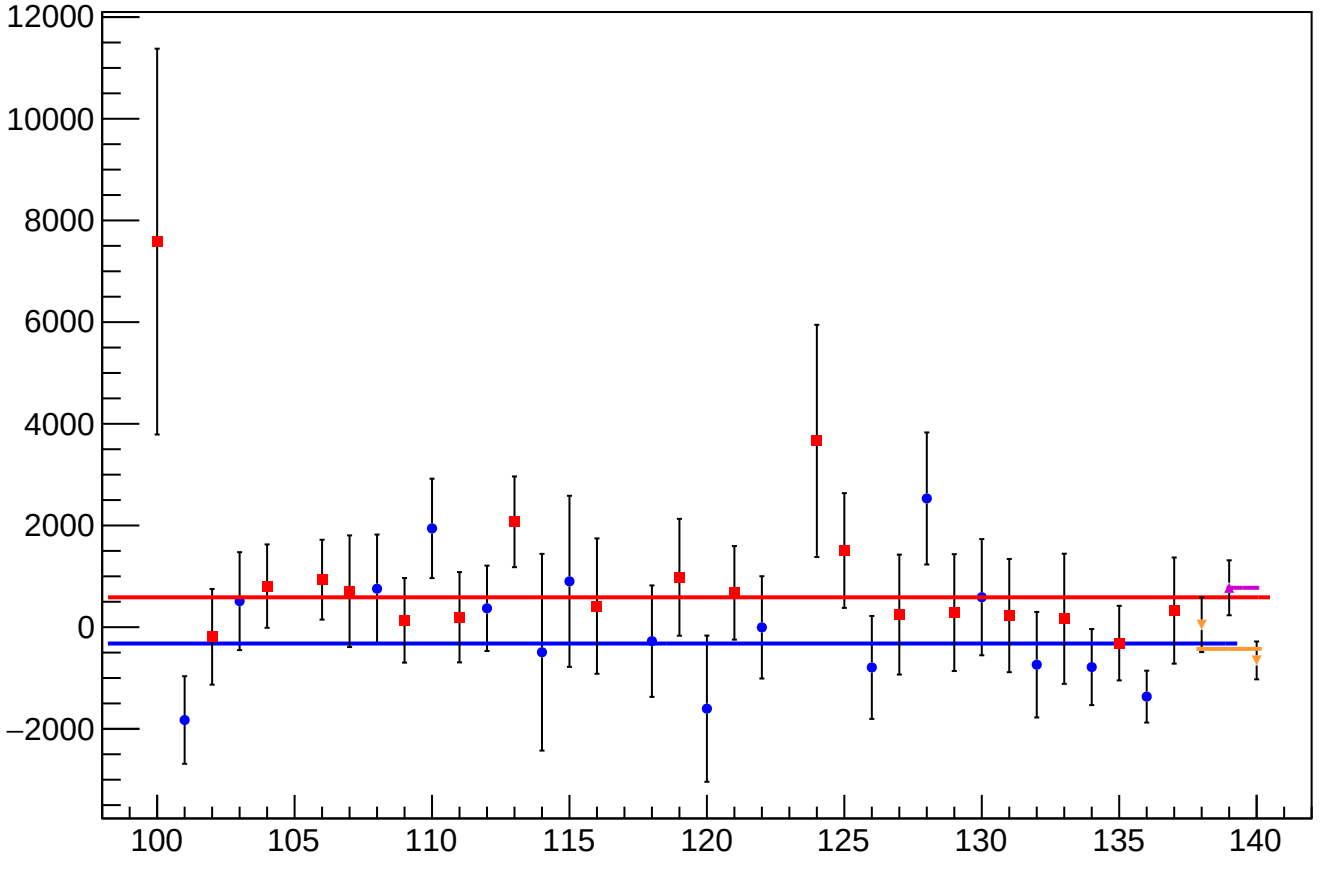
Left: 66.380+/-0.030 χ^2/NDF: 56062.7/2

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 63.653+/-0.016 χ^2/NDF:810708.1/16

Out: 63.491+/-0.016 χ^2/NDF:847402.8/20

All: 63.567+/-0.011 χ^2/NDF: 1658162.8/37



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -426.498+/-305.968 χ^2/NDF:1.2/1

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 774.763+/-540.664 χ^2/NDF:0.0/0

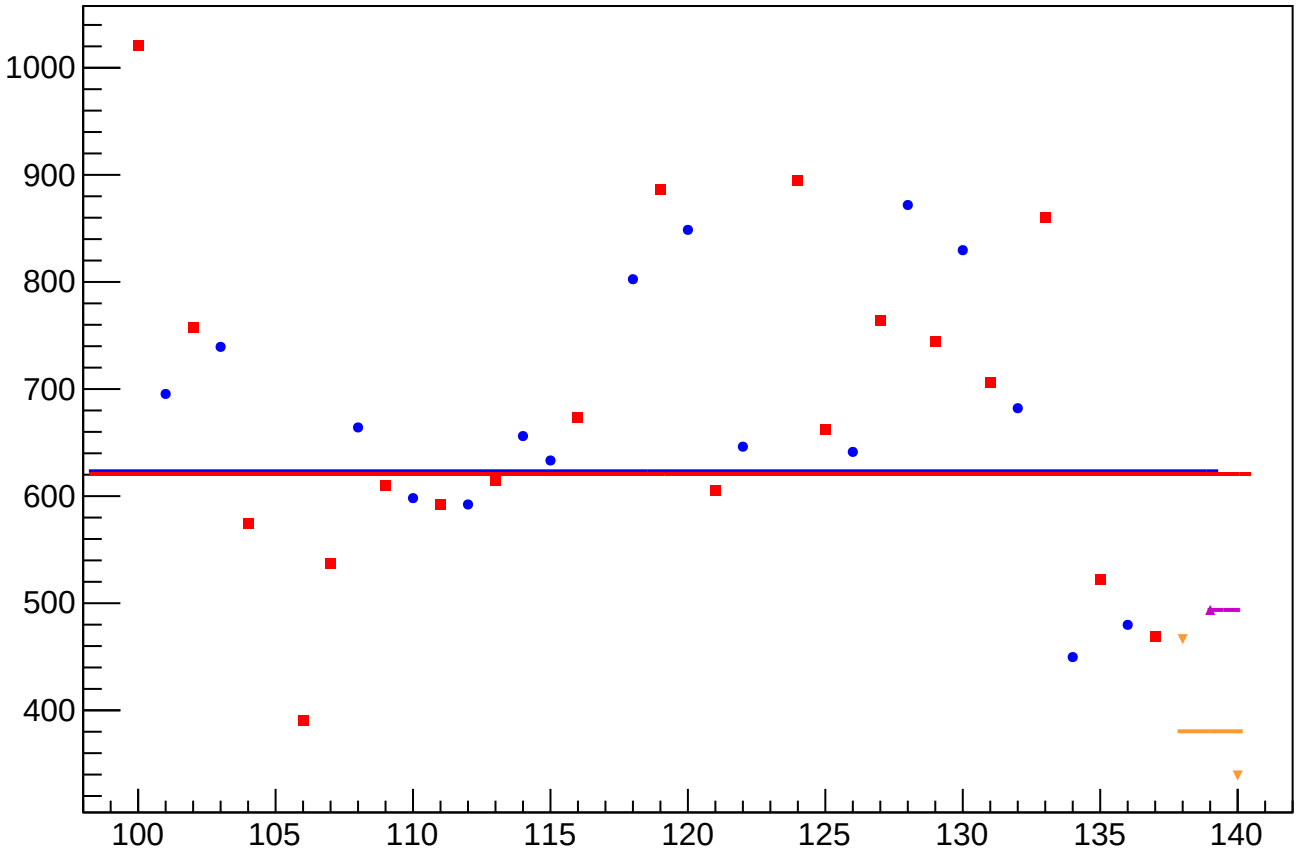
Left: -135.106+/-266.285 χ^2/NDF: 4.9/2

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -143.081+/-218.200 χ^2/NDF:26.2/16

Out: 212.955+/-185.913 χ^2/NDF:20.3/20

All: 63.203+/-141.512 χ^2/NDF: 47.9/37



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 380.409+/-0.216 χ^2/NDF:75864.5/1

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 493.753+/-0.382 χ^2/NDF:0.0/0

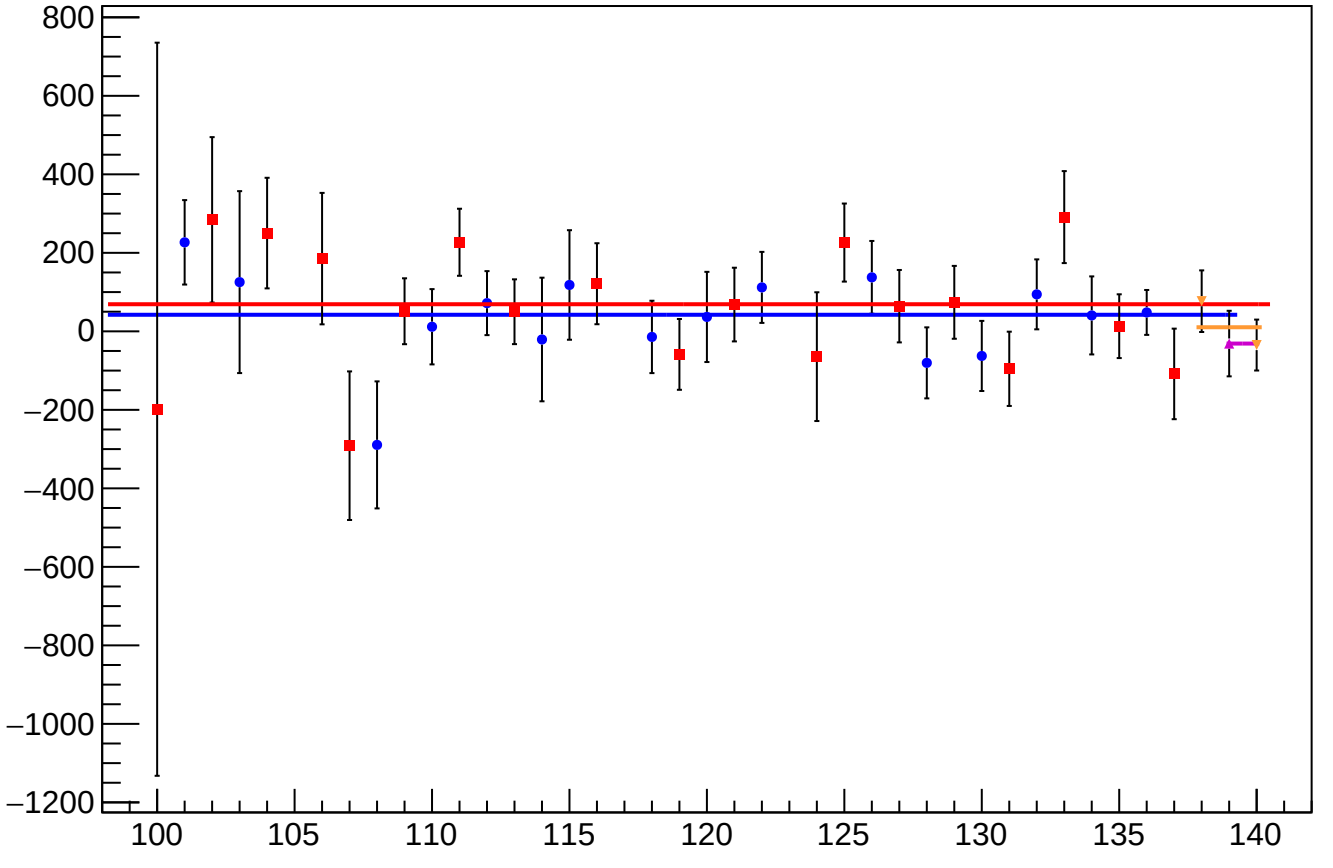
Left: 407.903+/-0.188 χ^2/NDF: 142440.5/2

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 602.103+/-0.154 χ^2/NDF:661506.3/16

Out: 531.967+/-0.131 χ^2/NDF:1464325.8/20

All: 561.467+/-0.100 χ^2/NDF: 2245555.5/37



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 10.429+/-49.999 χ^2/NDF:1.2/1

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -31.151+/-83.509 χ^2/NDF:0.0/0

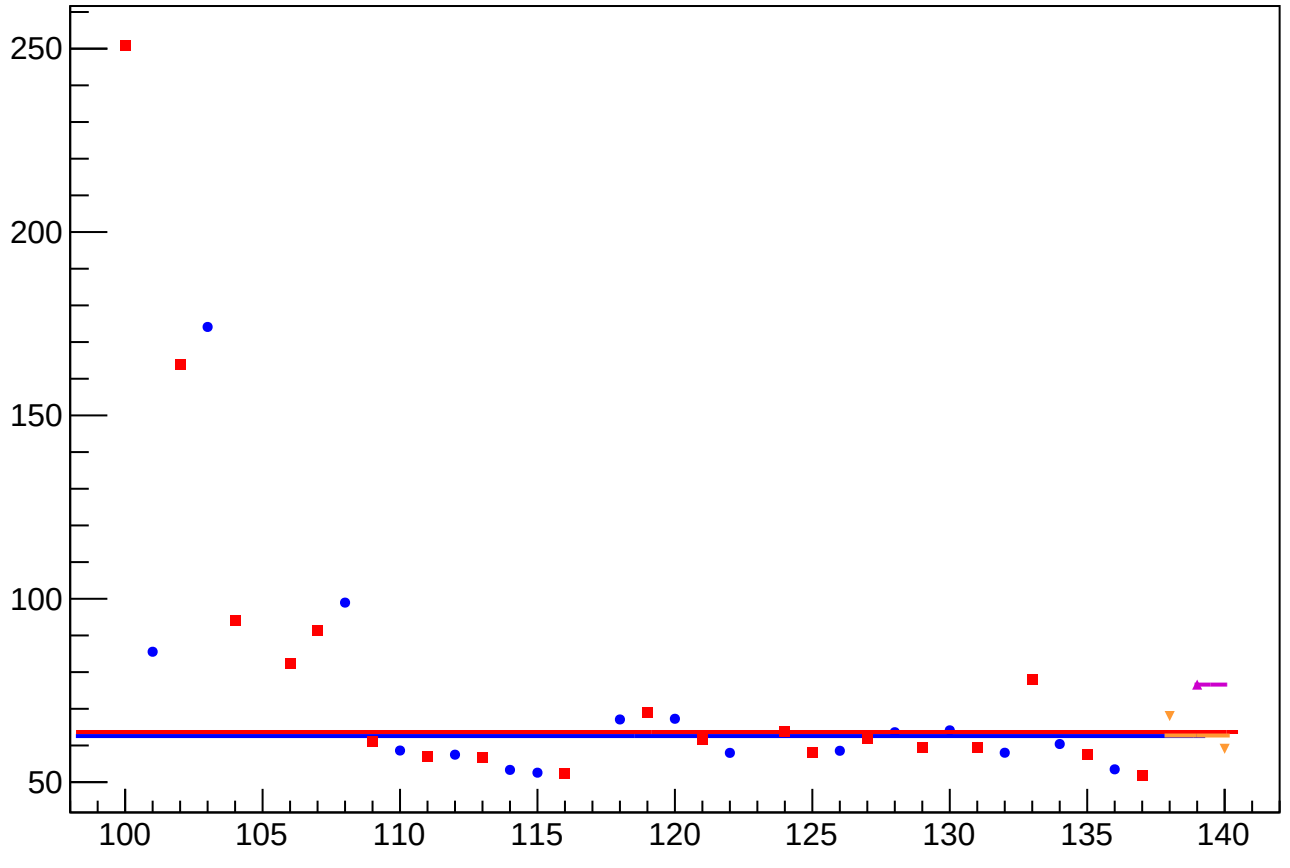
Left: -0.543+/-42.898 χ^2/NDF: 1.4/2

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: 36.527+/-23.250 χ^2/NDF:14.3/16

Out: 57.775+/-21.943 χ^2/NDF:27.6/20

All: 47.765+/-15.958 χ^2/NDF: 42.3/37



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 62.717+/-0.035 χ^2/NDF:15376.9/1

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 76.599+/-0.059 χ^2/NDF:0.0/0

Left: 66.380+/-0.030 χ^2/NDF: 56062.7/2

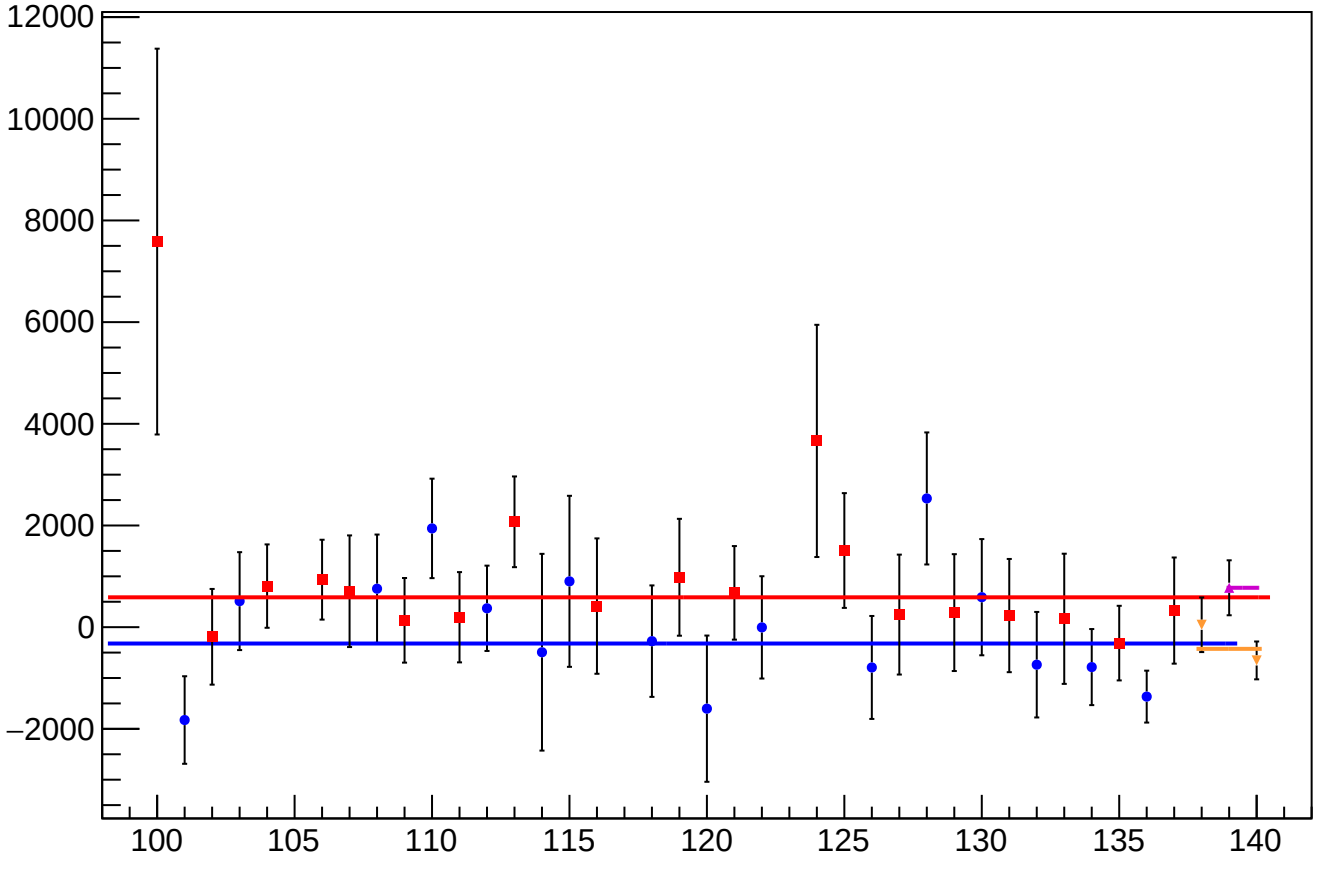
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 63.653+/-0.016 χ^2/NDF:810708.1/16

Out: 63.491+/-0.016 χ^2/NDF:847402.8/20

All: 63.567+/-0.011 χ^2/NDF: 1658162.8/37

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -426.498+/-305.968 χ^2/NDF:1.2/1

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 774.763+/-540.664 χ^2/NDF:0.0/0

Left: -135.106+/-266.285 χ^2/NDF: 4.9/2

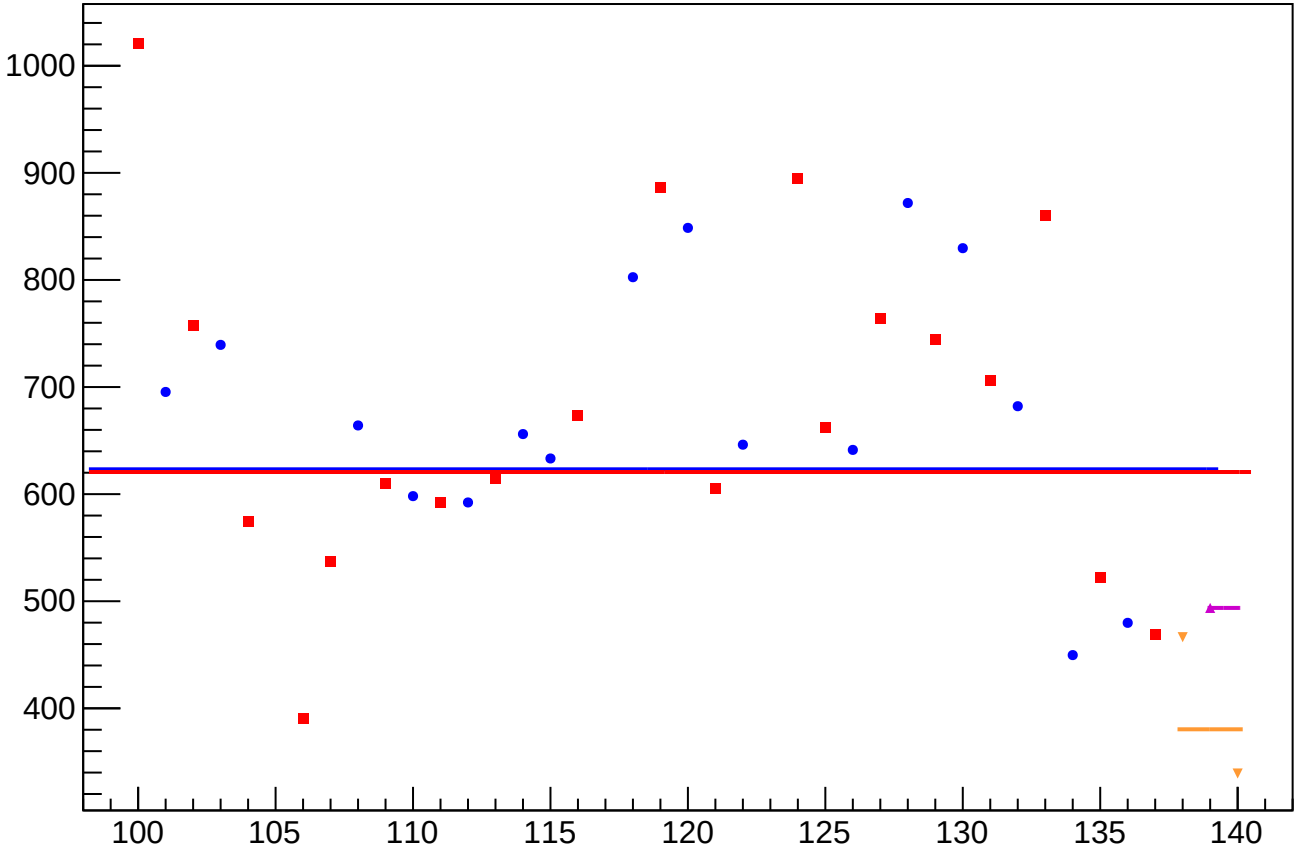
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -143.081+/-218.200 χ^2/NDF:26.2/16

Out: 212.955+/-185.913 χ^2/NDF:20.3/20

All: 63.203+/-141.512 χ^2/NDF: 47.9/37

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 380.409+/-0.216 χ^2/NDF:75864.5/1

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 493.753+/-0.382 χ^2/NDF:0.0/0

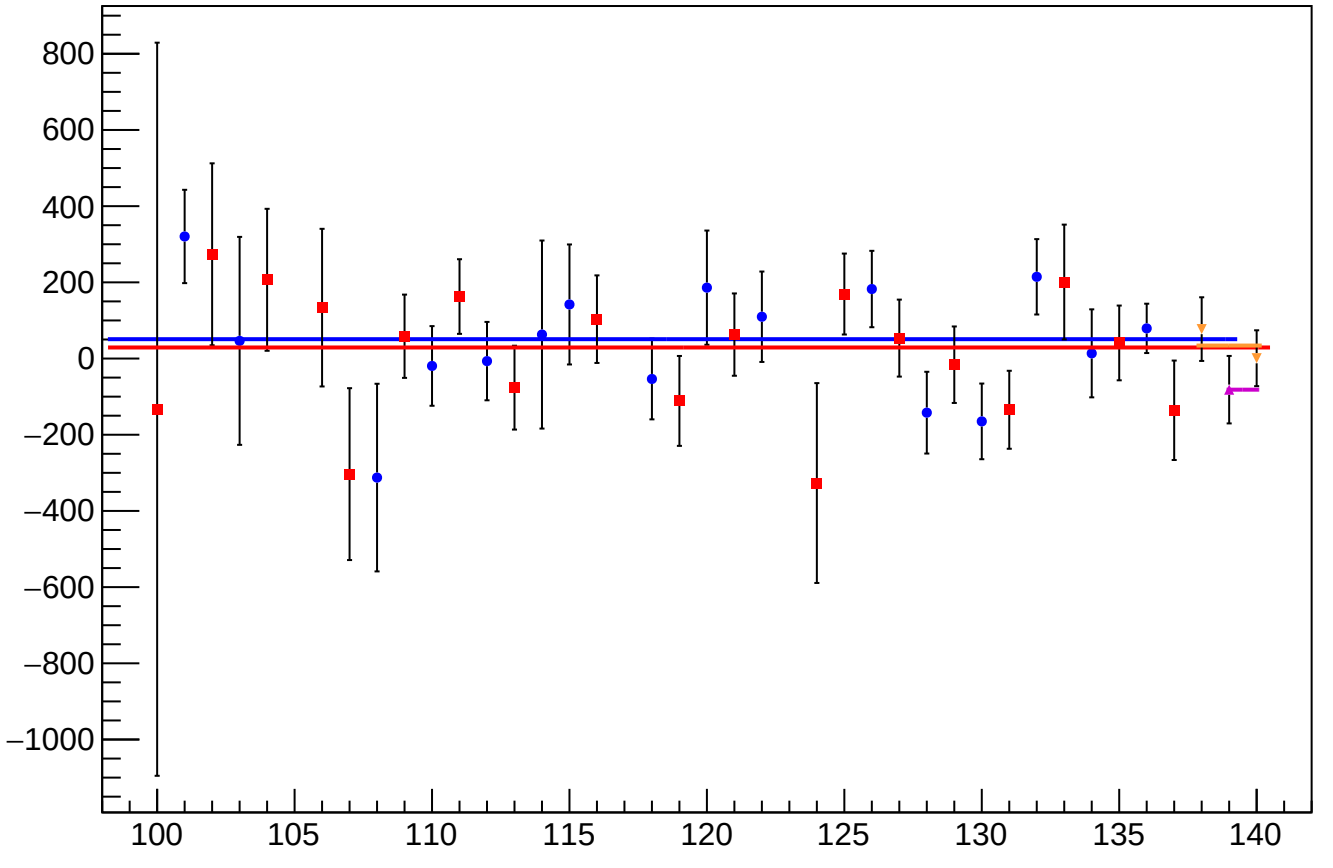
Left: 407.903+/-0.188 χ^2/NDF: 142440.5/2

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 602.103+/-0.154 χ^2/NDF:661506.3/16

Out: 531.967+/-0.131 χ^2/NDF:1464325.8/20

All: 561.467+/-0.100 χ^2/NDF: 2245555.5/37



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 34.094+/-55.111 χ^2/NDF:0.5/1

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -81.715+/-88.565 χ^2/NDF:0.0/0

Left: 1.769+/-46.791 χ^2/NDF: 1.7/2

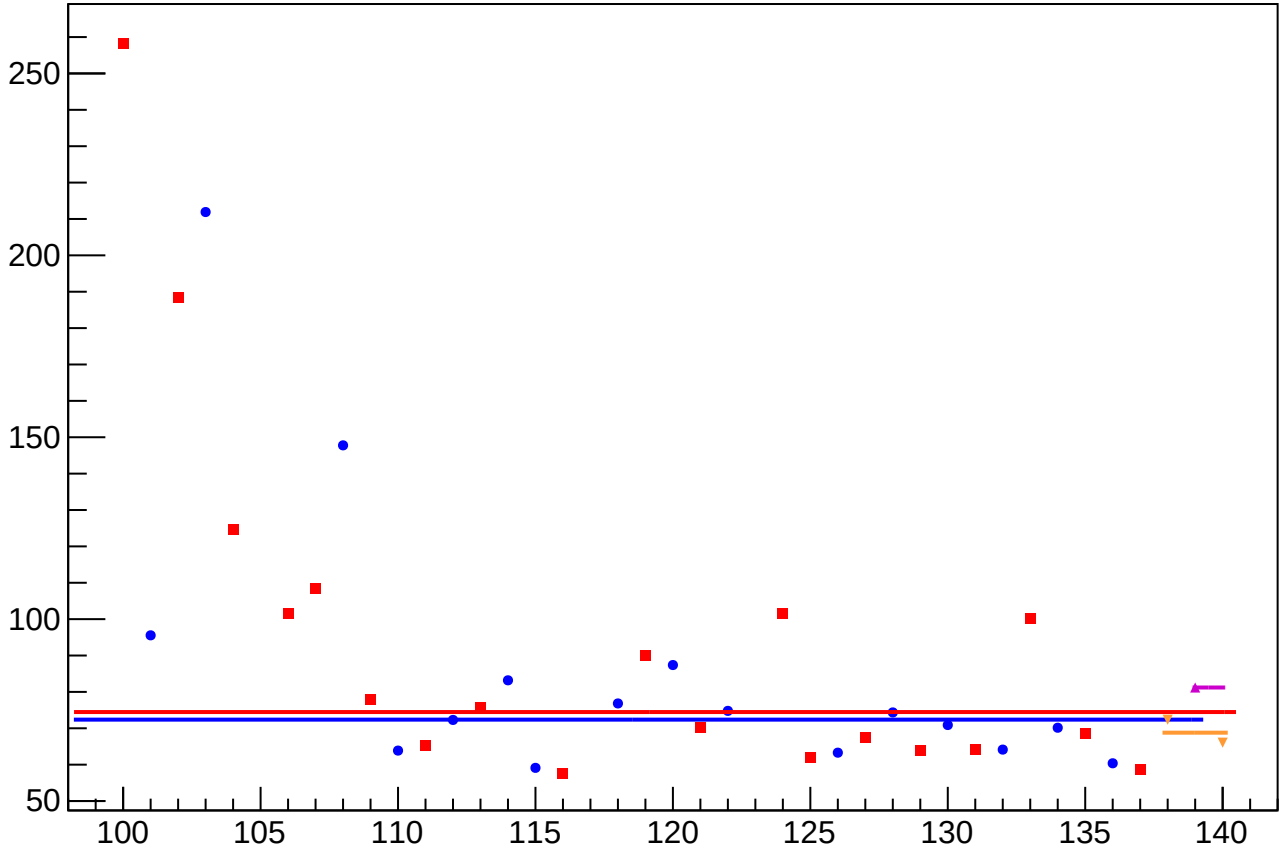
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: 38.547+/-26.971 χ^2/NDF:24.9/16

Out: 30.130+/-25.601 χ^2/NDF:19.0/20

All: 34.119+/-18.568 χ^2/NDF: 43.9/37

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 68.791+/-0.039 χ^2/NDF:6458.4/1

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 81.209+/-0.063 χ^2/NDF:0.0/0

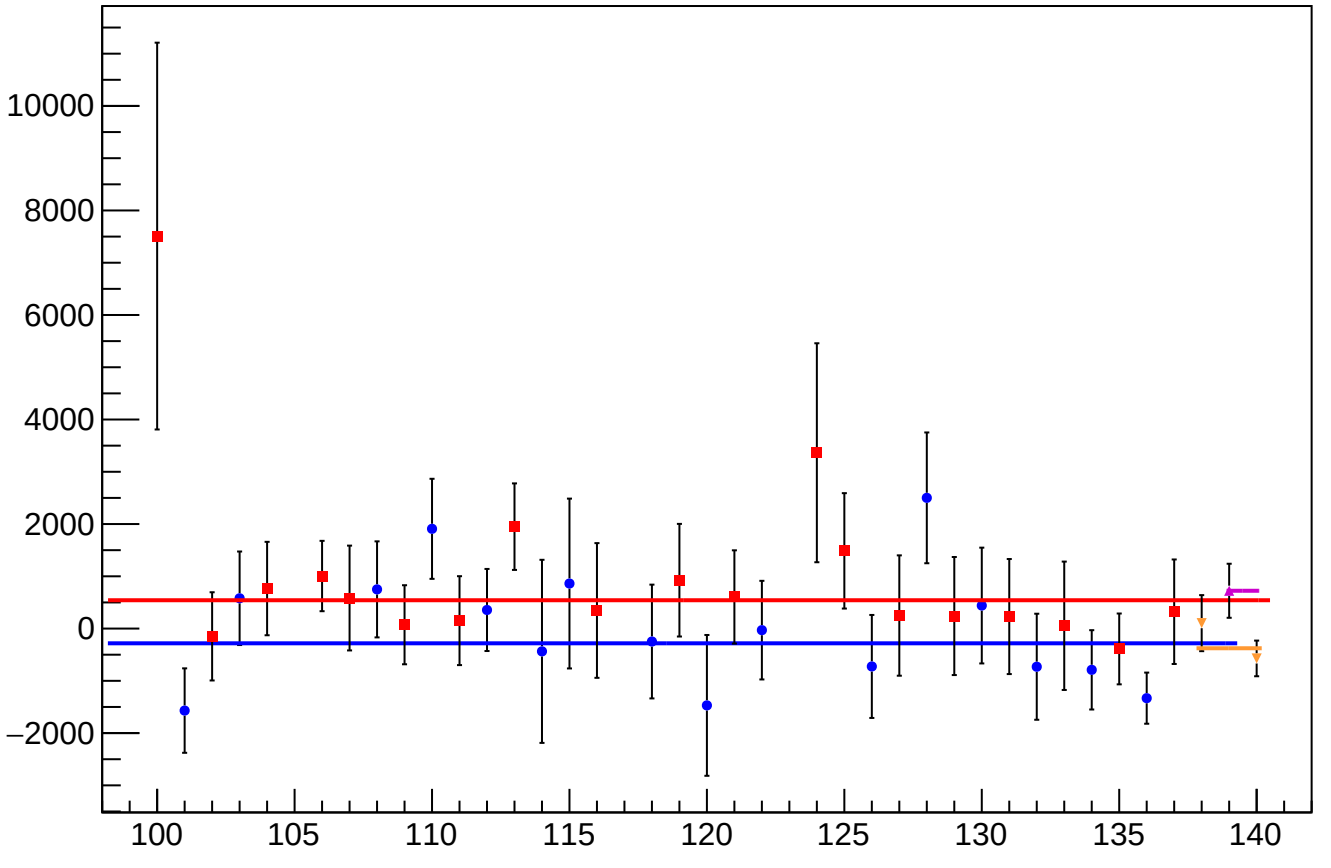
Left: 72.257+/-0.033 χ^2/NDF: 34801.9/2

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 73.197+/-0.019 χ^2/NDF:956216.9/16

Out: 73.239+/-0.018 χ^2/NDF:1075369.9/20

All: 73.219+/-0.013 χ^2/NDF: 2031589.4/37



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -376.707+/-287.834 χ^2/NDF:1.1/1

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 723.234+/-517.068 χ^2/NDF:0.0/0

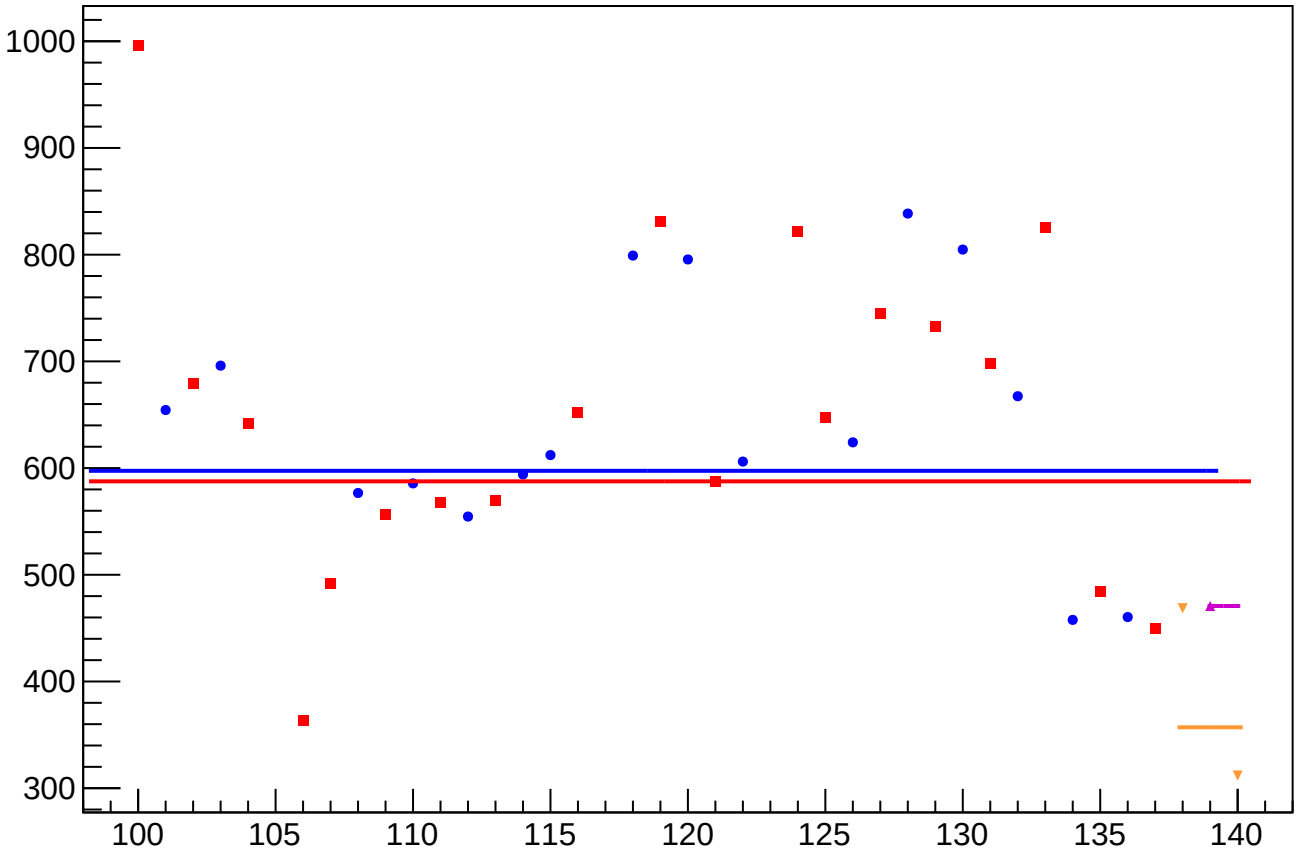
Left: -116.495+/-251.494 χ^2/NDF: 4.6/2

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: -118.650+/-208.457 χ^2/NDF:26.0/16

Out: 201.473+/-175.243 χ^2/NDF:20.8/20

All: 68.916+/-134.140 χ^2/NDF: 48.1/37



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 357.062+/-0.204 χ^2/NDF:121793.5/1

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 470.746+/-0.366 χ^2/NDF:0.0/0

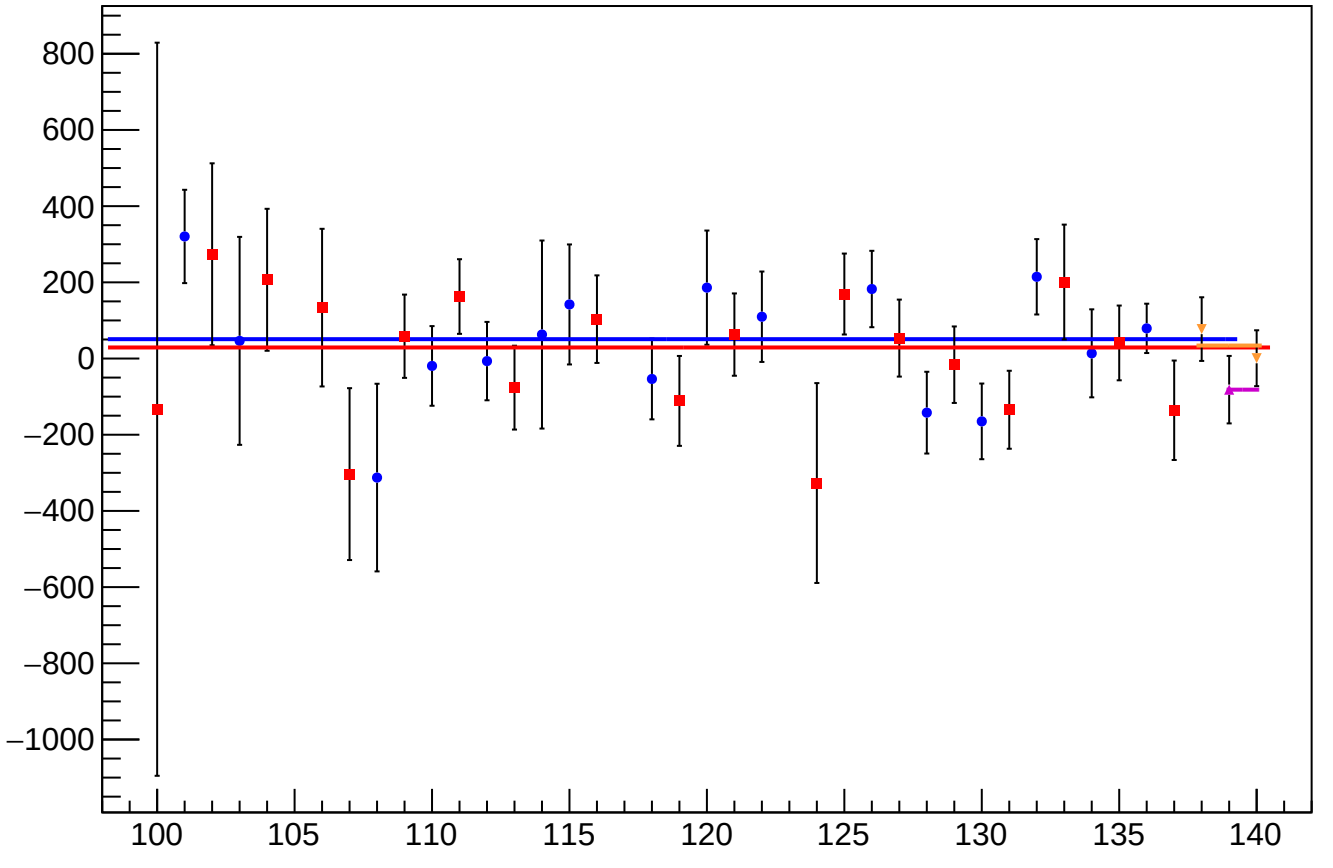
Left: 383.957+/-0.178 χ^2/NDF: 195601.2/2

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 576.847+/-0.147 χ^2/NDF:634346.3/16

Out: 502.123+/-0.124 χ^2/NDF:1618010.8/20

All: 533.065+/-0.095 χ^2/NDF: 2402931.2/37



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 34.096+/-55.111 χ^2/NDF:0.5/1

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -81.712+/-88.565 χ^2/NDF:0.0/0

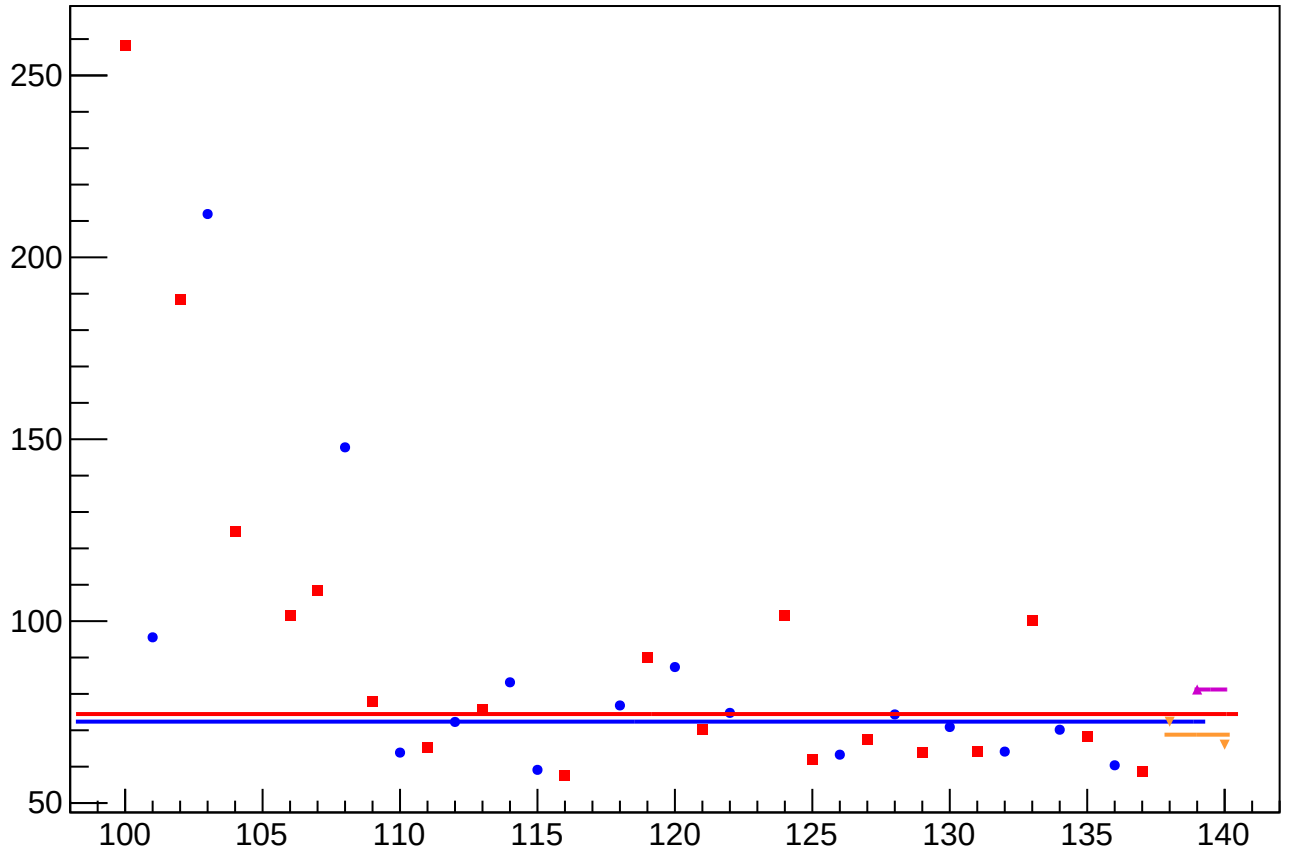
Left: 1.770+/-46.791 χ^2/NDF: 1.7/2

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: 38.547+/-26.971 χ^2/NDF:24.9/16

Out: 30.130+/-25.601 χ^2/NDF:19.0/20

All: 34.119+/-18.568 χ^2/NDF: 43.9/37



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 68.791+/-0.039 χ^2/NDF:6458.2/1

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 81.209+/-0.063 χ^2/NDF:0.0/0

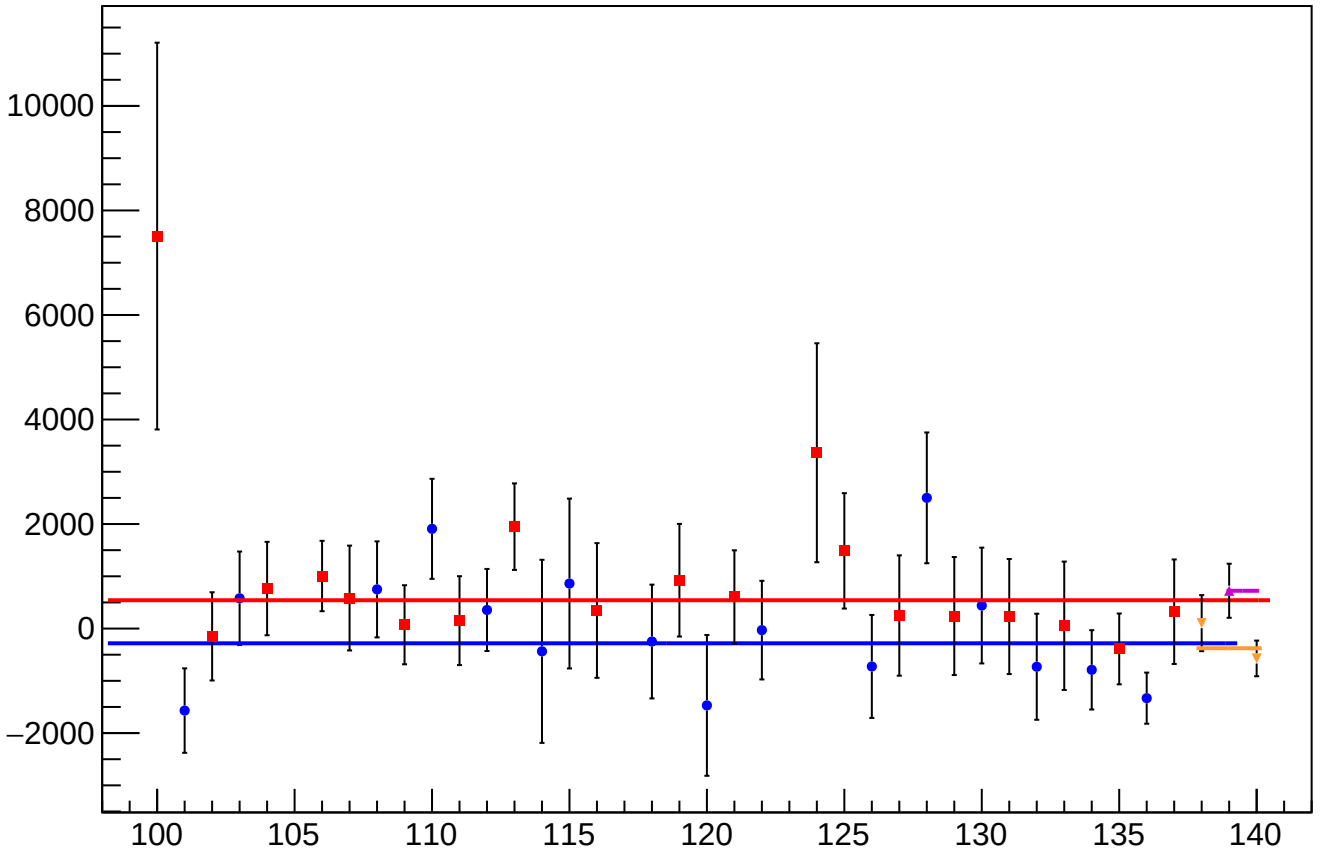
Left: 72.257+/-0.033 χ^2/NDF: 34800.0/2

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 73.197+/-0.019 χ^2/NDF:956221.3/16

Out: 73.239+/-0.018 χ^2/NDF:1075361.8/20

All: 73.219+/-0.013 χ^2/NDF: 2031585.7/37



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -376.708+/-287.834 χ^2/NDF:1.1/1

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 723.235+/-517.069 χ^2/NDF:0.0/0

Left: -116.496+/-251.494 χ^2/NDF: 4.6/2

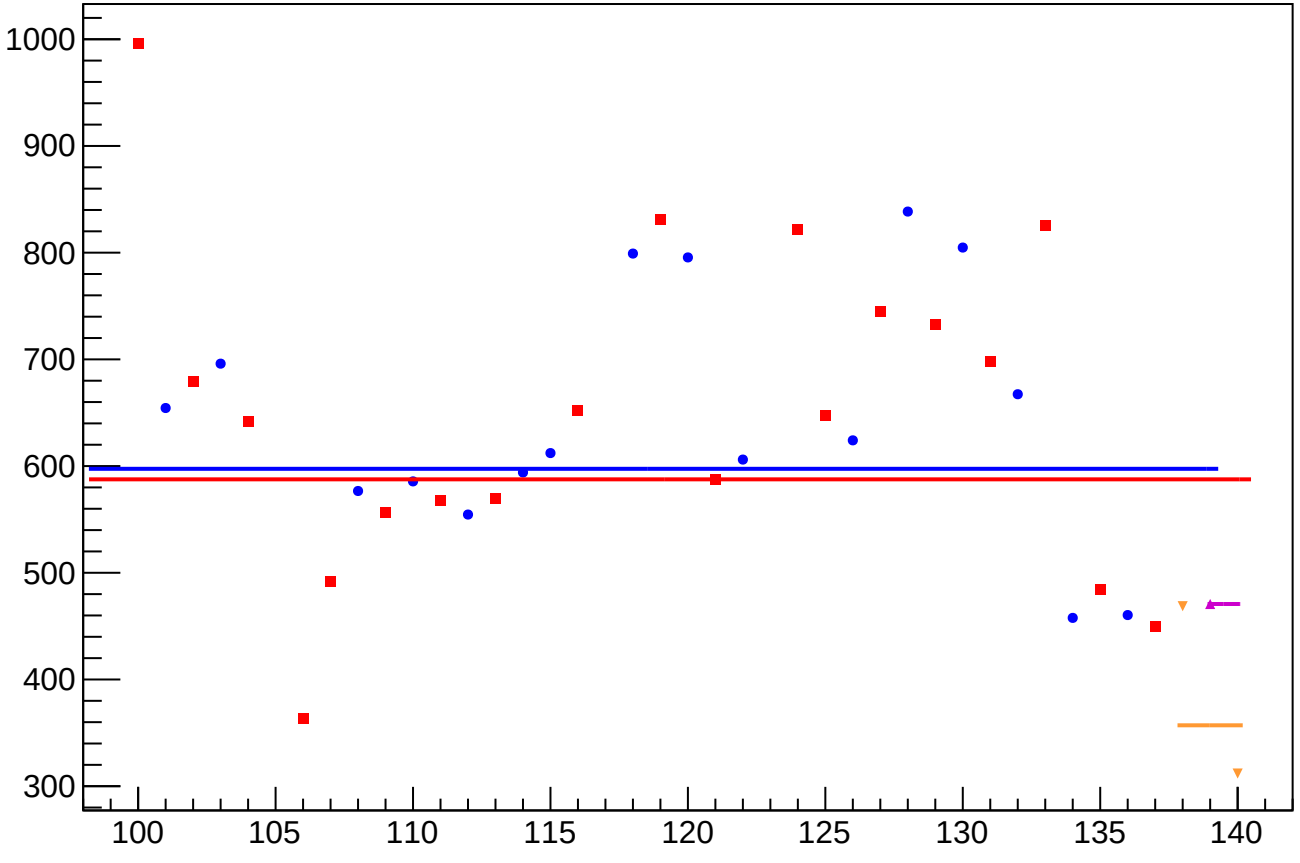
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: -118.650+/-208.458 χ^2/NDF:26.0/16

Out: 201.473+/-175.243 χ^2/NDF:20.8/20

All: 68.917+/-134.140 χ^2/NDF: 48.1/37

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 357.062+/-0.204 χ^2/NDF:121796.2/1

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 470.747+/-0.366 χ^2/NDF:0.0/0

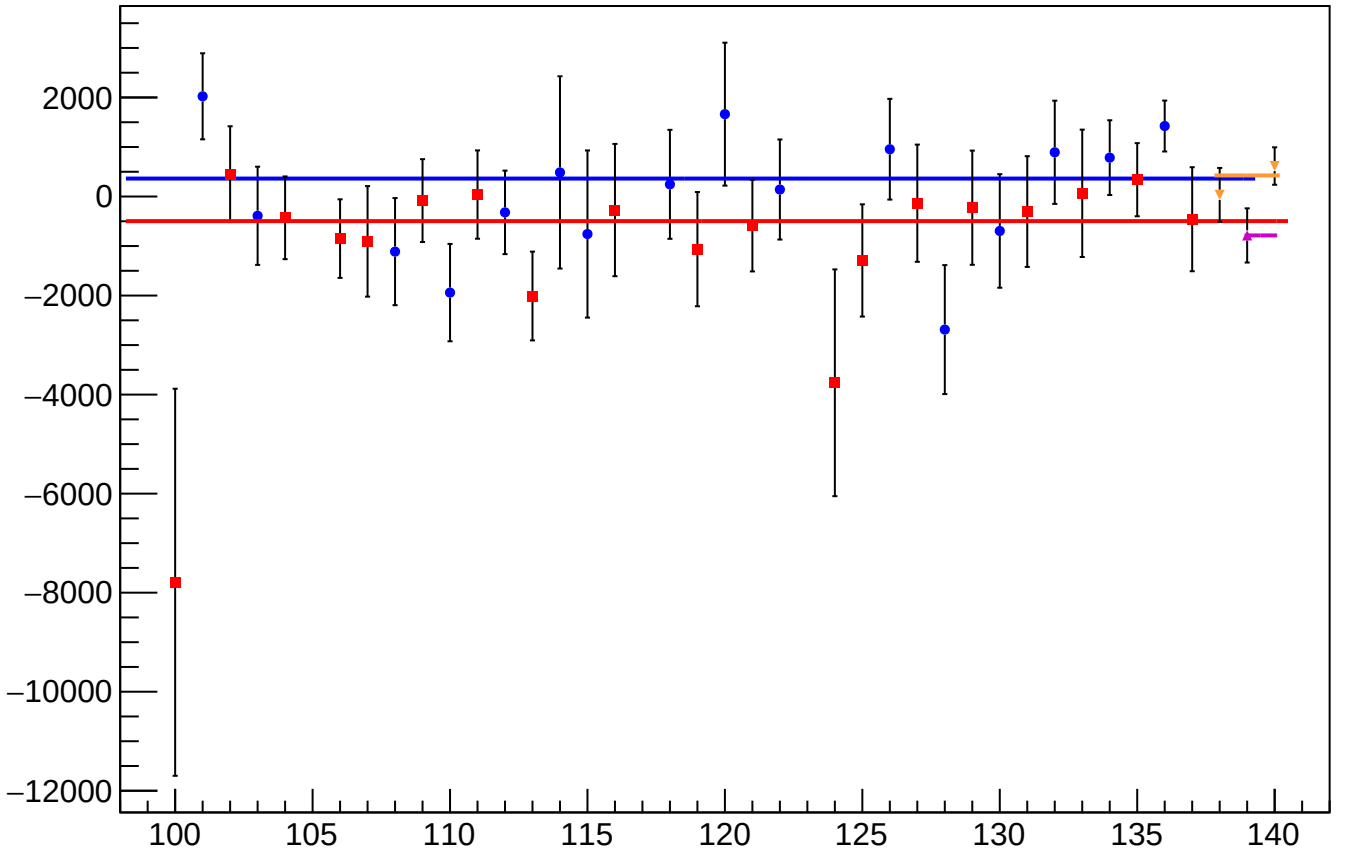
Left: 383.957+/-0.178 χ^2/NDF: 195605.3/2

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 576.847+/-0.147 χ^2/NDF:634342.9/16

Out: 502.123+/-0.124 χ^2/NDF:1618010.9/20

All: 533.065+/-0.095 χ^2/NDF: 2402930.6/37



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 425.671+/-310.190 χ^2/NDF:0.8/1

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -785.974+/-547.173 χ^2/NDF:0.0/0

Left: 130.987+/-269.846 χ^2/NDF: 4.5/2

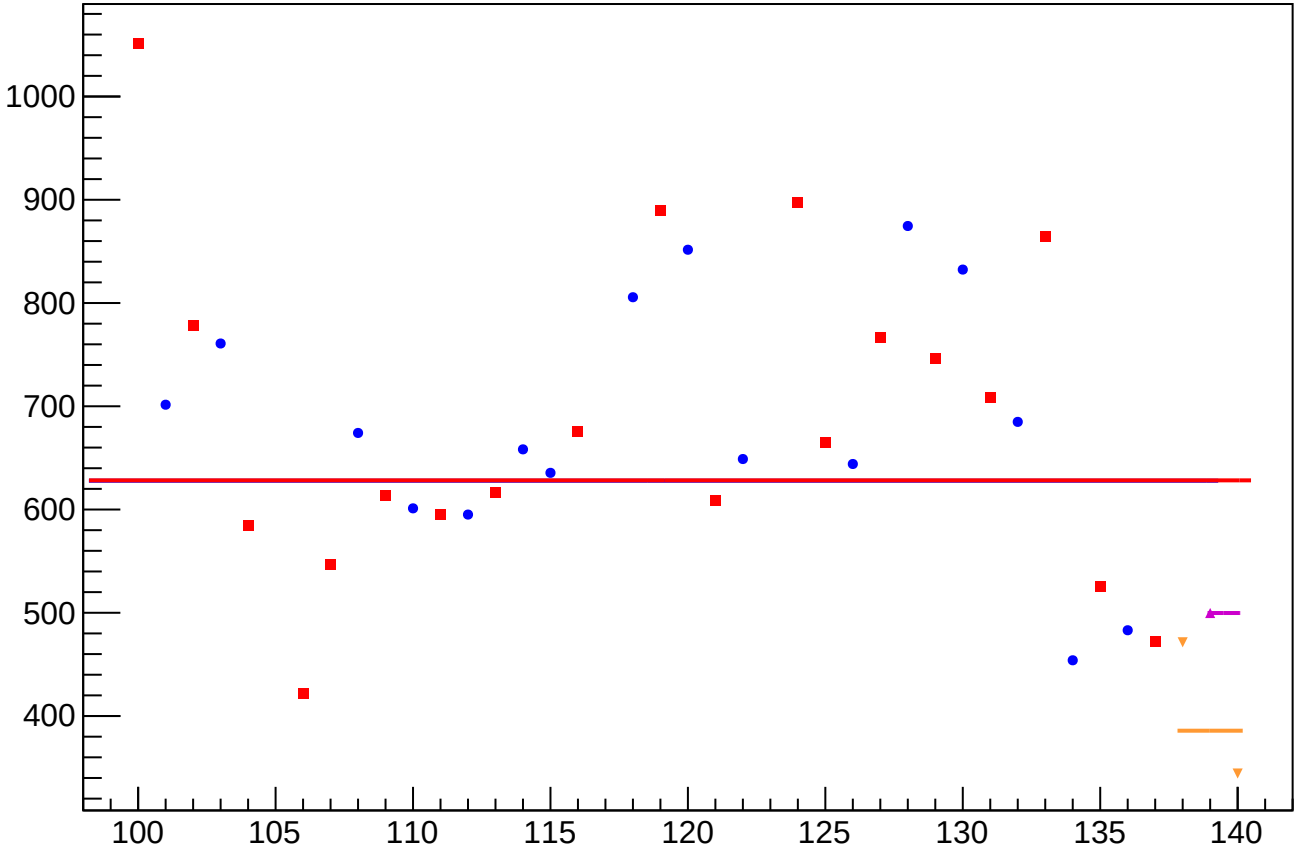
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: 176.709+/-220.020 χ^2/NDF:28.8/16

Out: -158.441+/-187.834 χ^2/NDF:19.1/20

All: -17.151+/-142.856 χ^2/NDF: 49.2/37

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 385.790+/-0.219 χ^2/NDF:73809.1/1

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 499.774+/-0.387 χ^2/NDF:0.0/0

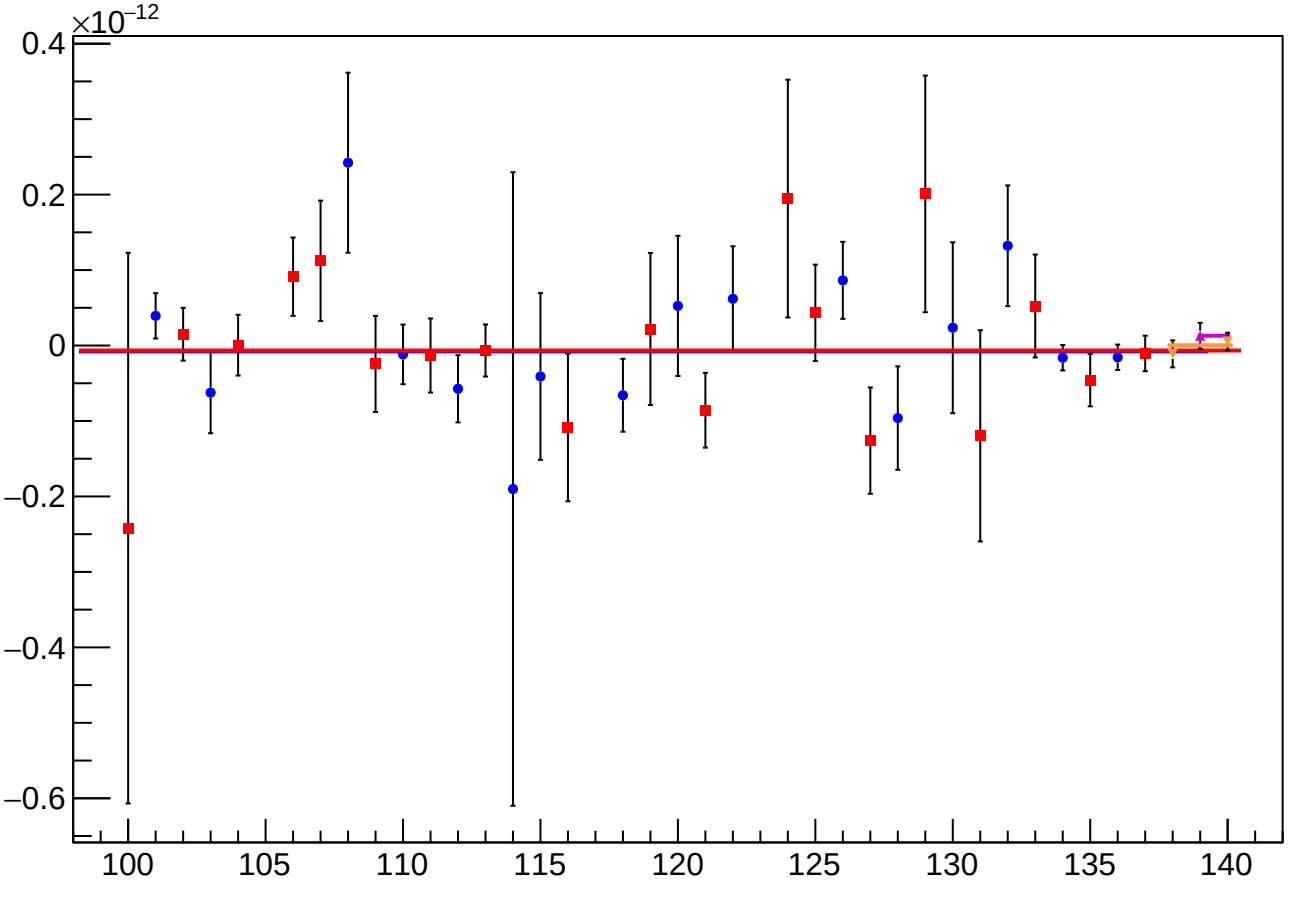
Left: 413.512+/-0.191 χ^2/NDF: 139490.5/2

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 607.180+/-0.156 χ^2/NDF:658721.0/16

Out: 539.343+/-0.133 χ^2/NDF:1418668.6/20

All: 567.941+/-0.101 χ^2/NDF: 2187362.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

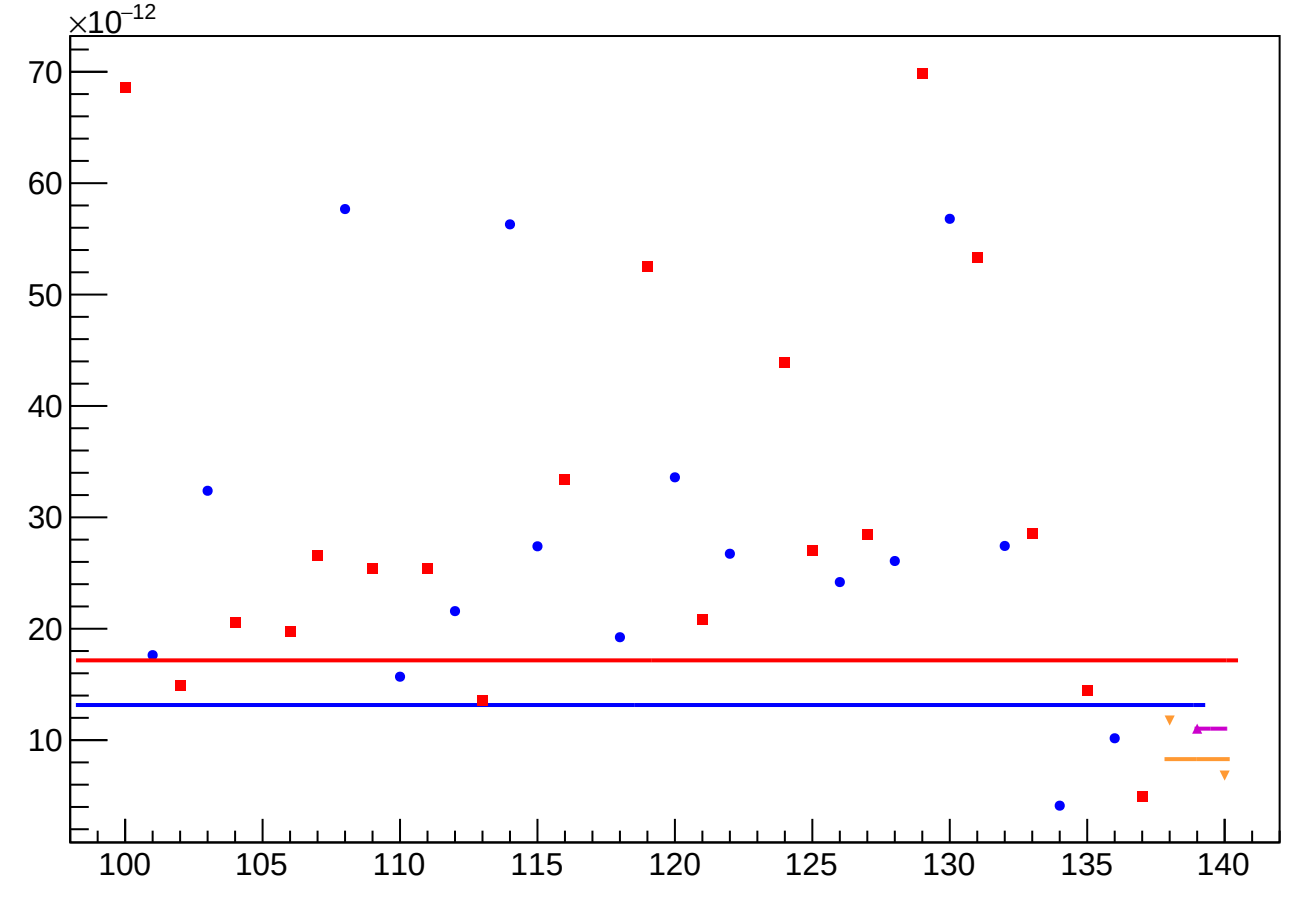
Left: 0.000+/-0.000 χ^2/NDF: 1.0/2

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:22.1/16

Out: -0.000+/-0.000 χ^2/NDF:20.8/20

All: -0.000+/-0.000 χ^2/NDF: 42.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:106357.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

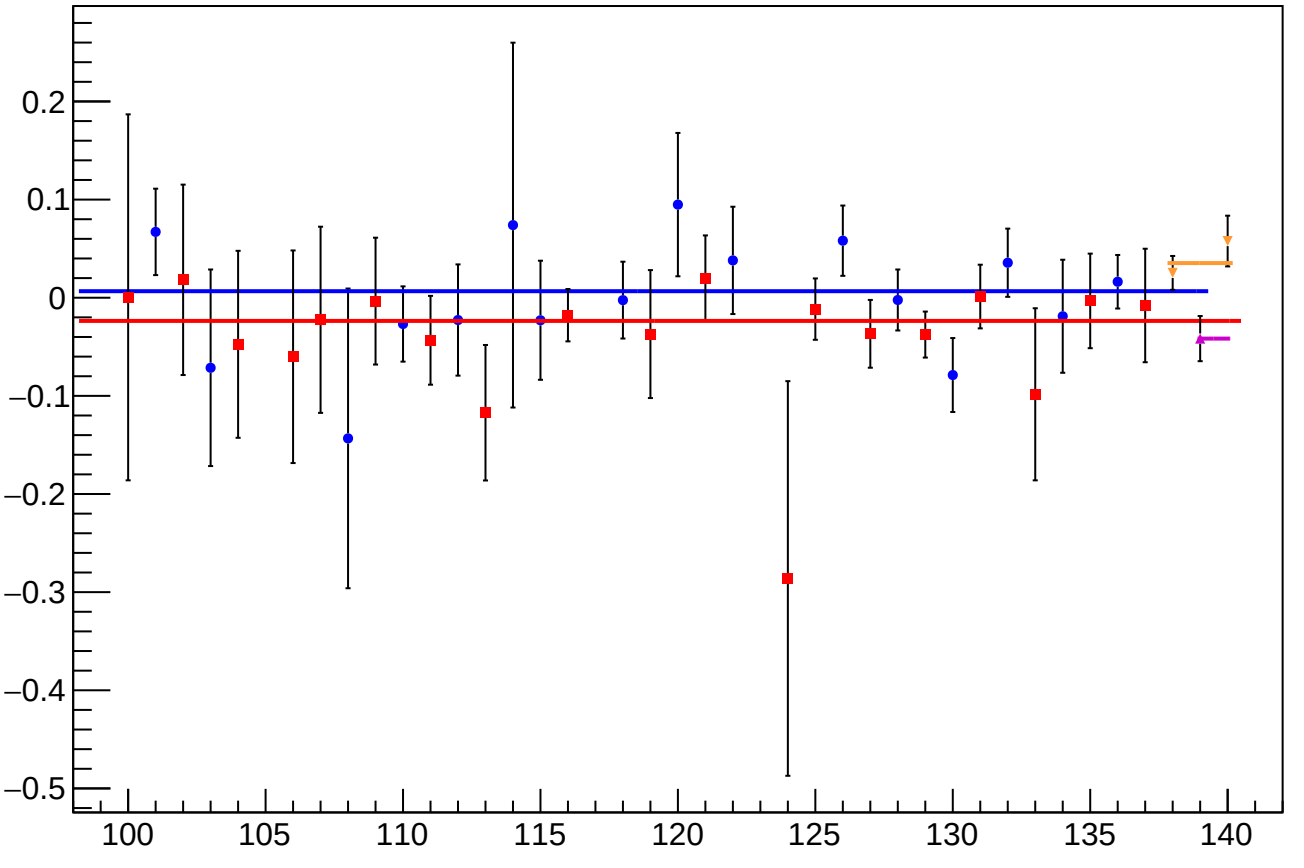
Left: 0.000+/-0.000 χ^2/NDF: 144905.4/2

Right: 0.000+/-0.000 χ^2/NDF: 3874616.1/34

In: 0.000+/-0.000 χ^2/NDF:2106601.7/16

Out: 0.000+/-0.000 χ^2/NDF:2438079.2/20

All: 0.000+/-0.000 χ^2/NDF: 4551417.5/37



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.035+/-0.014 χ^2/NDF:1.1/1

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.042+/-0.023 χ^2/NDF:0.0/0

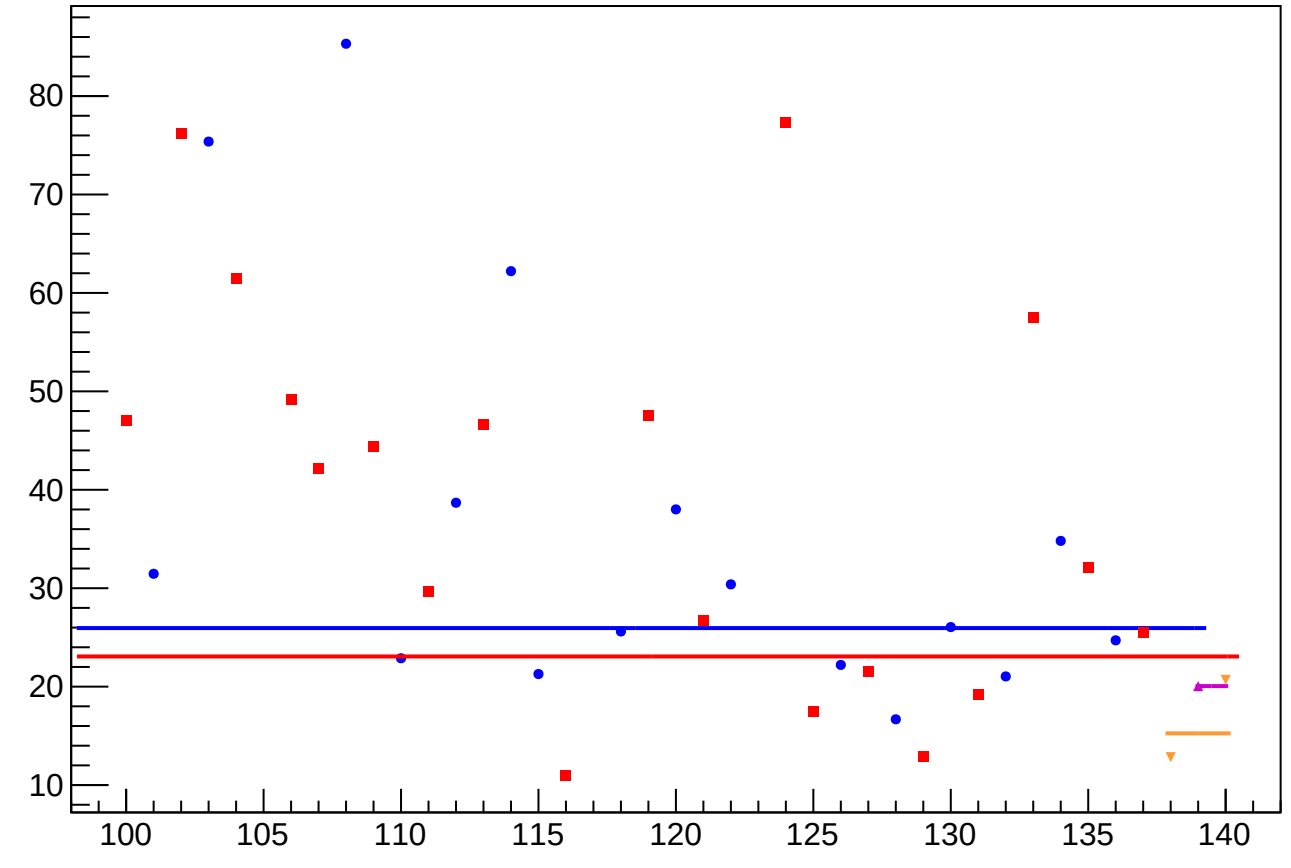
Left: 0.014+/-0.012 χ^2/NDF: 9.1/2

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.010 χ^2/NDF:18.6/16

Out: -0.003+/-0.008 χ^2/NDF:19.6/20

All: -0.003+/-0.006 χ^2/NDF: 38.2/37



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 15.254+/-0.010 χ^2/NDF:127606.6/1

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 20.056+/-0.016 χ^2/NDF:0.0/0

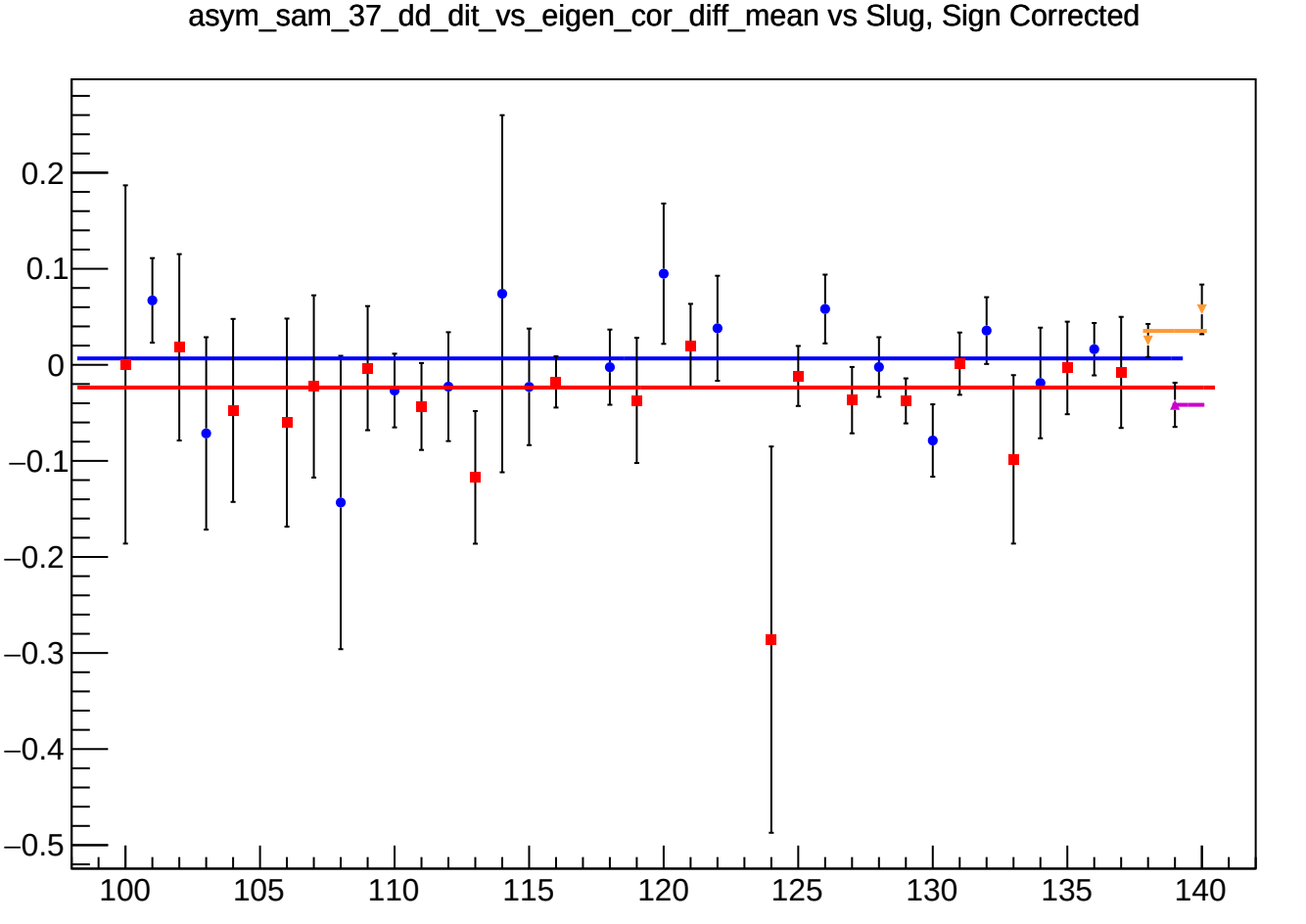
Left: 16.599+/-0.009 χ^2/NDF: 190331.3/2

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 24.836+/-0.007 χ^2/NDF:1488131.2/16

Out: 20.341+/-0.006 χ^2/NDF:3874339.9/20

All: 22.221+/-0.005 χ^2/NDF: 5597768.1/37



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.035+/-0.014 χ^2/NDF:1.1/1

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.042+/-0.023 χ^2/NDF:0.0/0

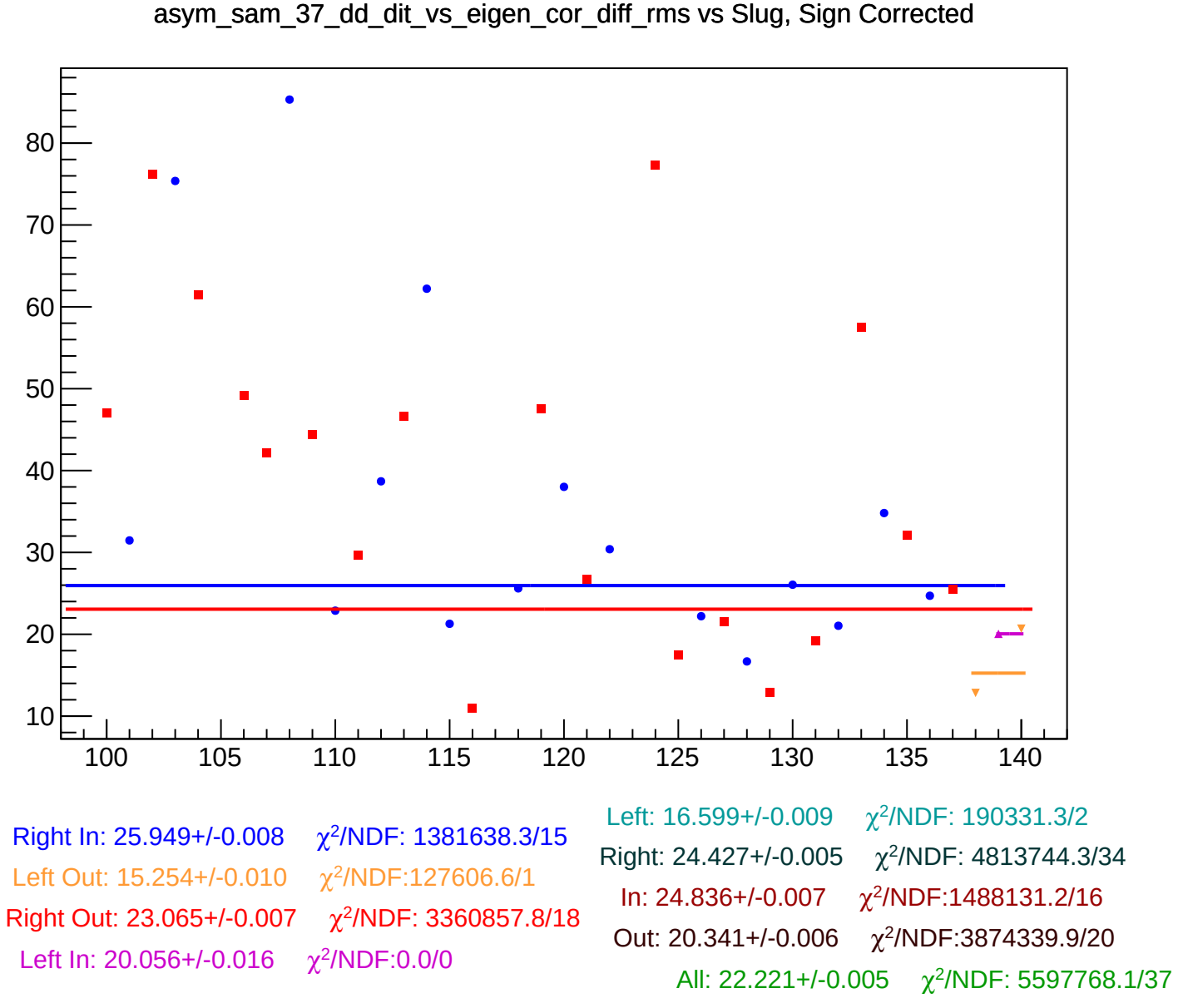
Left: 0.014+/-0.012 χ^2/NDF: 9.1/2

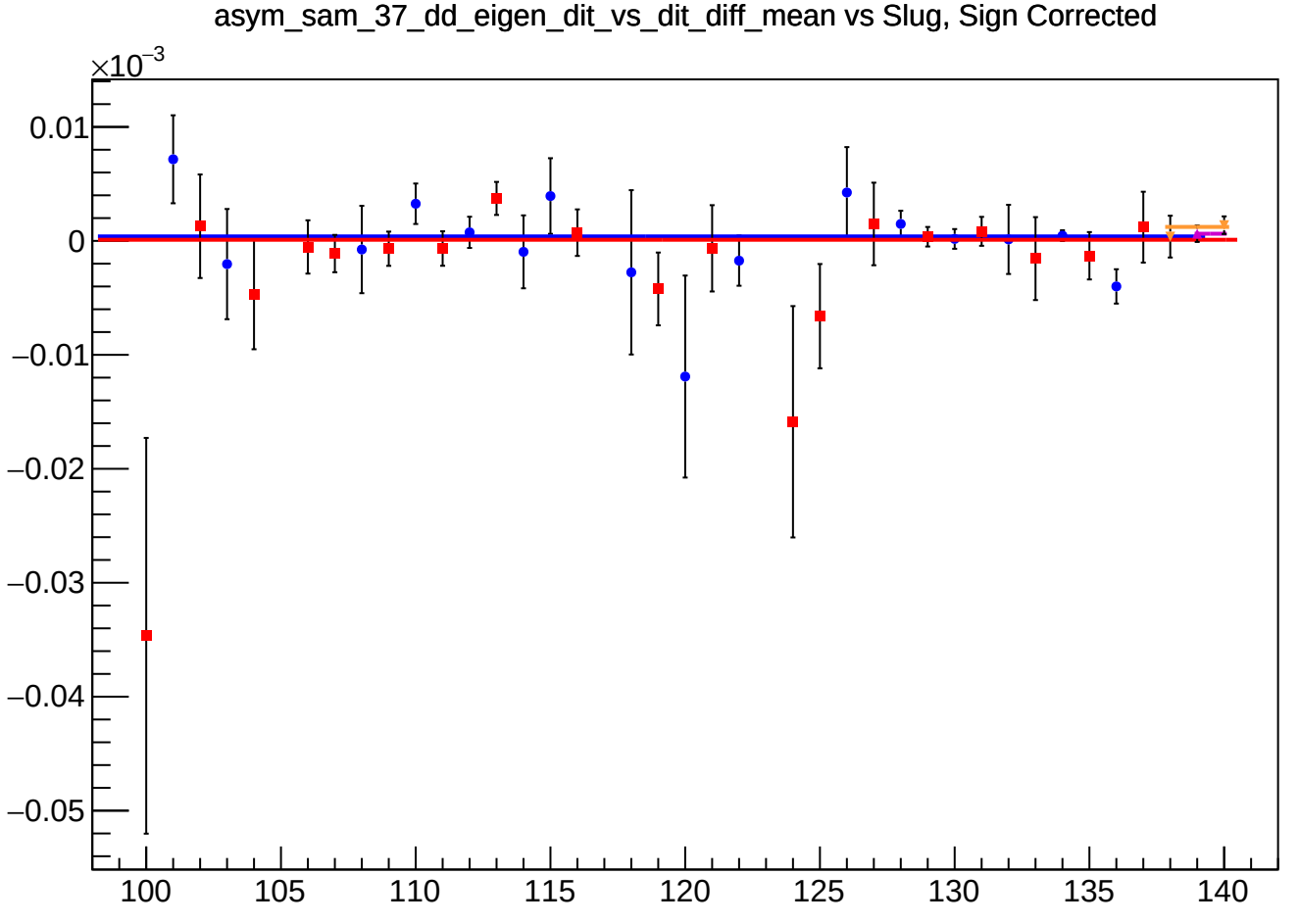
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.010 χ^2/NDF:18.6/16

Out: -0.003+/-0.008 χ^2/NDF:19.6/20

All: -0.003+/-0.006 χ^2/NDF: 38.2/37


asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 25.949+/-0.008 χ²/NDF: 1381638.3/15
Left Out: 15.254+/-0.010 χ²/NDF:127606.6/1
Right Out: 23.065+/-0.007 χ²/NDF: 3360857.8/18
Left In: 20.056+/-0.016 χ²/NDF:0.0/0
Left: 16.599+/-0.009 χ²/NDF: 190331.3/2
Right: 24.427+/-0.005 χ²/NDF: 4813744.3/34
In: 24.836+/-0.007 χ²/NDF:1488131.2/16
Out: 20.341+/-0.006 χ²/NDF:3874339.9/20
All: 22.221+/-0.005 χ²/NDF: 5597768.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

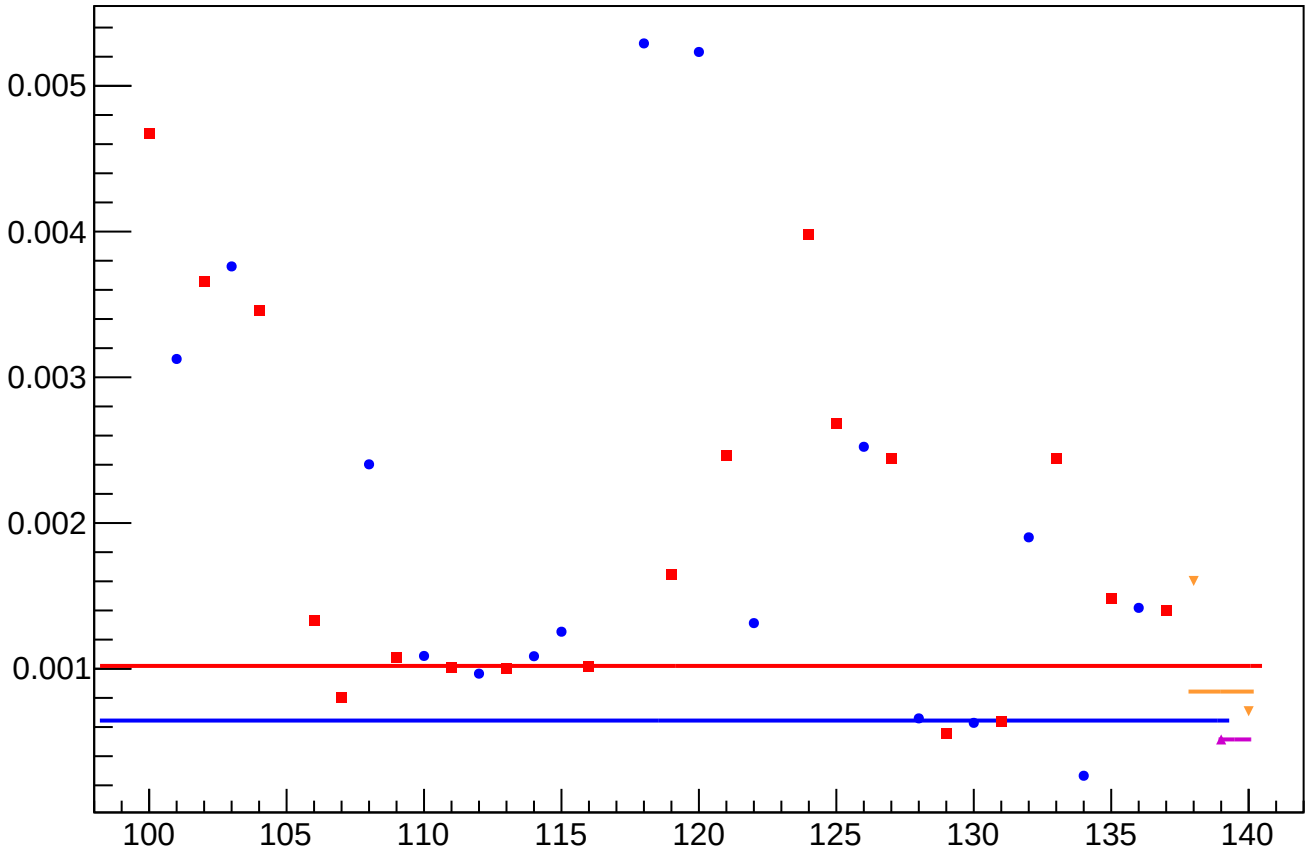
Left: 0.000+/-0.000 χ^2/NDF: 0.6/2

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:20.9/16

Out: 0.000+/-0.000 χ^2/NDF:22.5/20

All: 0.000+/-0.000 χ^2/NDF: 43.4/37



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:403508.3/1

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:0.0/0

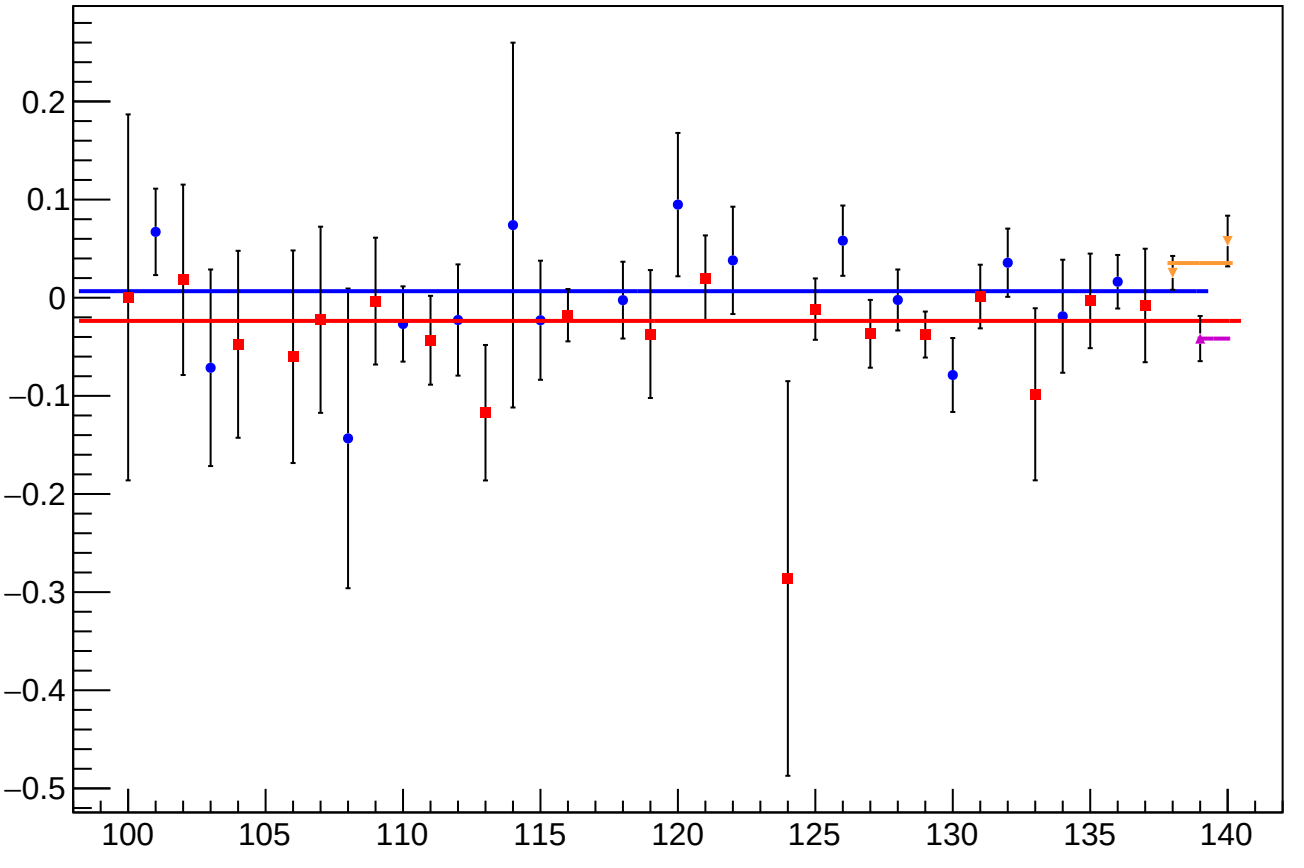
Left: 0.001+/-0.000 χ^2/NDF: 613544.2/2

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:6628494.3/16

Out: 0.001+/-0.000 χ^2/NDF:4153207.4/20

All: 0.001+/-0.000 χ^2/NDF: 11795204.3/37



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.035+/-0.014 χ^2/NDF:1.1/1

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.042+/-0.023 χ^2/NDF:0.0/0

Left: 0.014+/-0.012 χ^2/NDF: 9.1/2

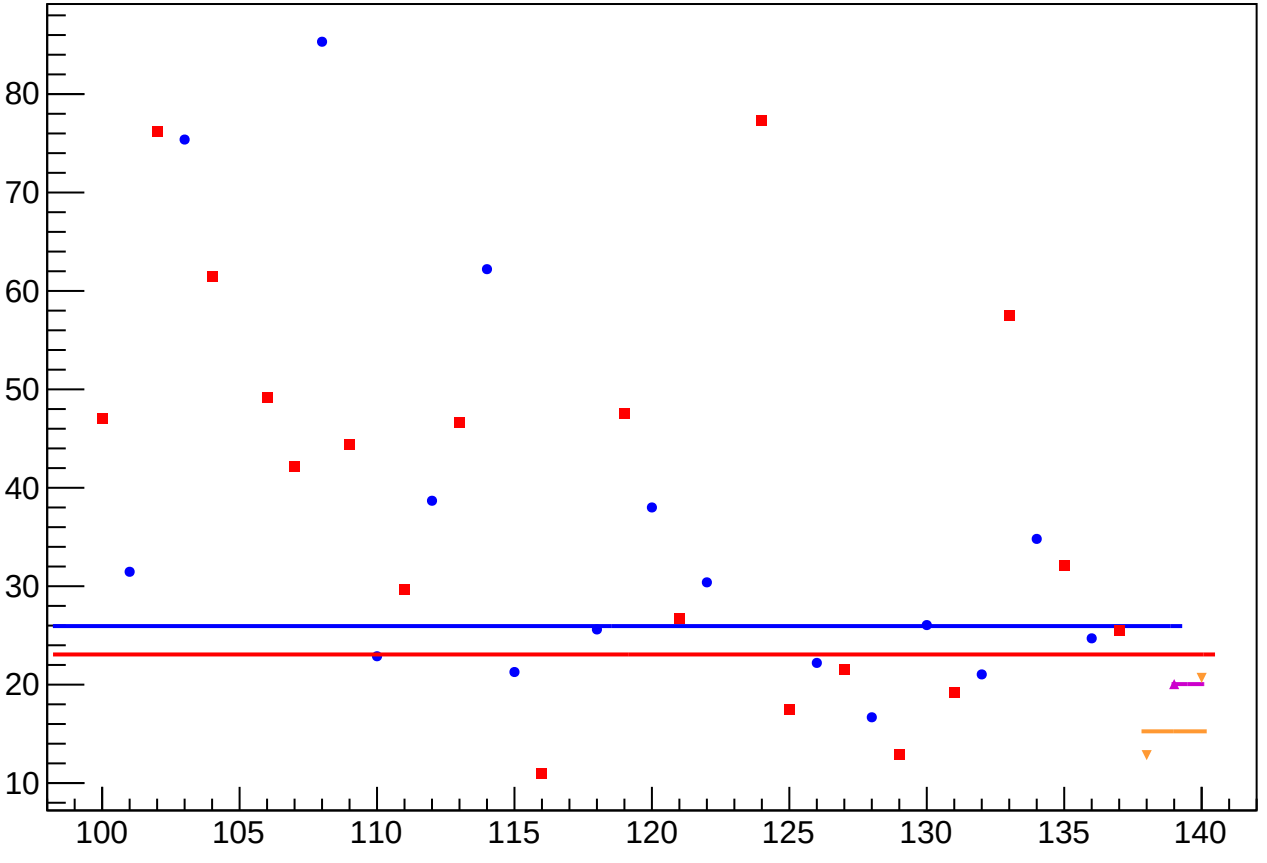
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.010 χ^2/NDF:18.6/16

Out: -0.003+/-0.008 χ^2/NDF:19.6/20

All: -0.003+/-0.006 χ^2/NDF: 38.2/37

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.255+/-0.010 χ^2/NDF:127600.4/1

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 20.055+/-0.016 χ^2/NDF:0.0/0

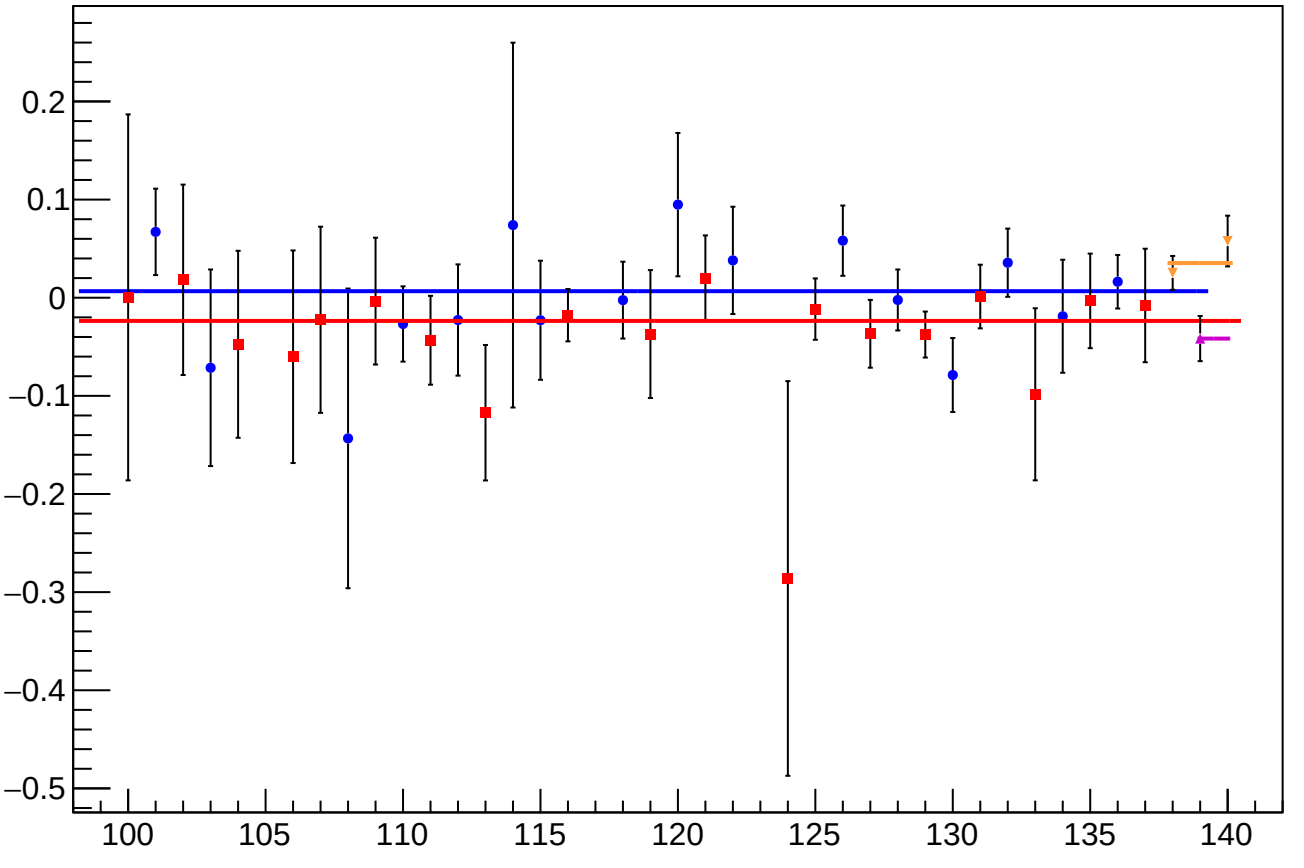
Left: 16.600+/-0.009 χ^2/NDF: 190293.4/2

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 24.836+/-0.007 χ^2/NDF:1488121.5/16

Out: 20.342+/-0.006 χ^2/NDF:3874124.3/20

All: 22.221+/-0.005 χ^2/NDF: 5597483.6/37



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.035+/-0.014 χ^2/NDF:1.1/1

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.042+/-0.023 χ^2/NDF:0.0/0

Left: 0.014+/-0.012 χ^2/NDF: 9.1/2

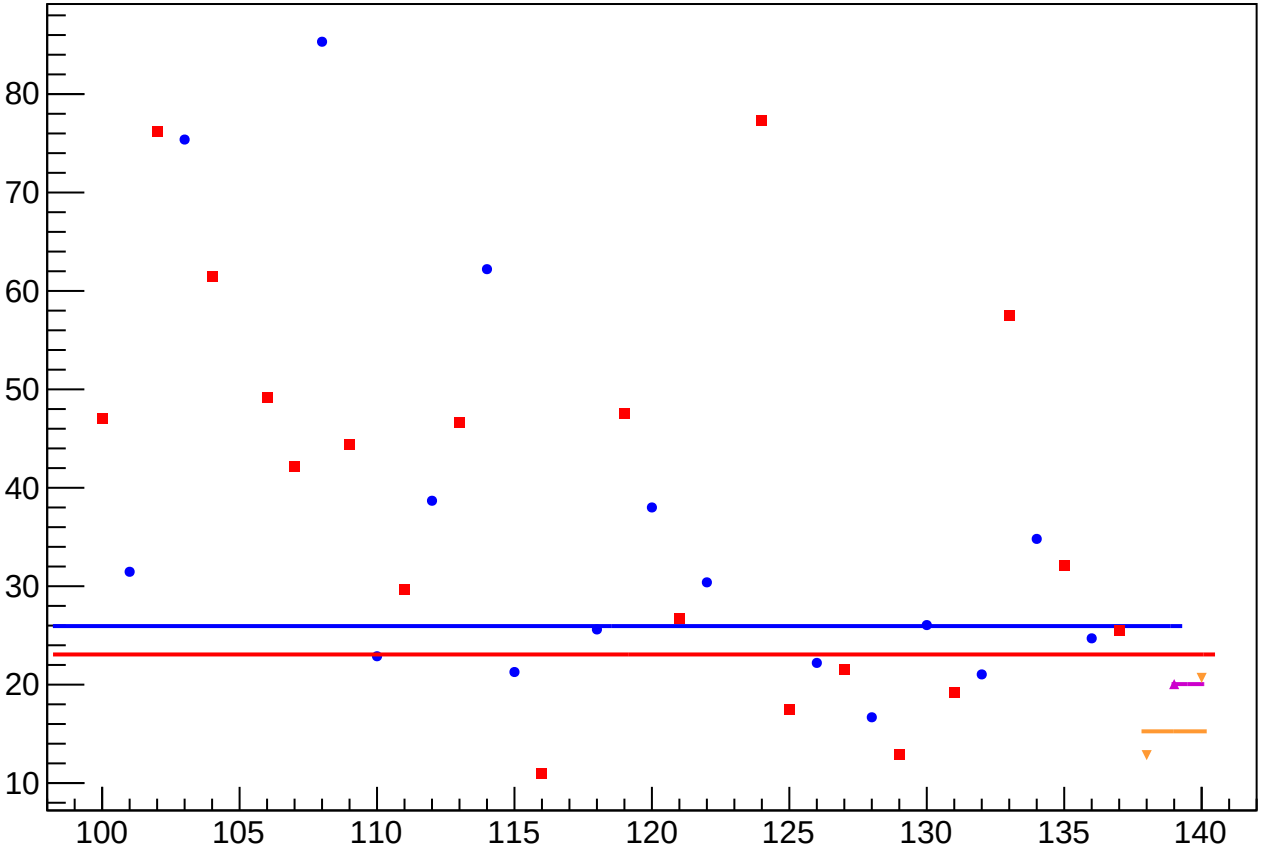
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.010 χ^2/NDF:18.6/16

Out: -0.003+/-0.008 χ^2/NDF:19.6/20

All: -0.003+/-0.006 χ^2/NDF: 38.2/37

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: 15.255+/-0.010 χ^2/NDF:127600.4/1

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 20.055+/-0.016 χ^2/NDF:0.0/0

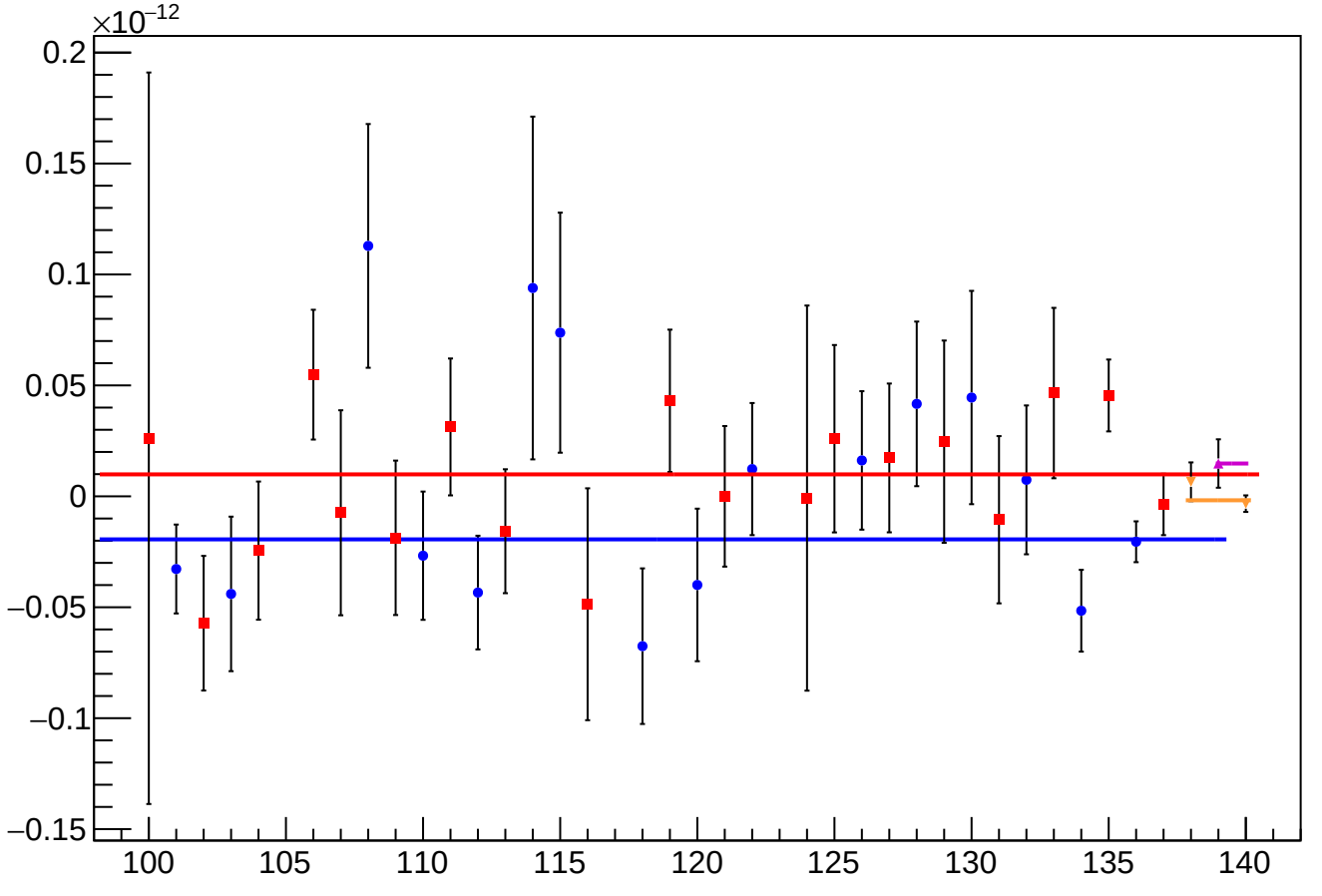
Left: 16.600+/-0.009 χ^2/NDF: 190293.4/2

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 24.836+/-0.007 χ^2/NDF:1488121.5/16

Out: 20.342+/-0.006 χ^2/NDF:3874124.3/20

All: 22.221+/-0.005 χ^2/NDF: 5597483.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

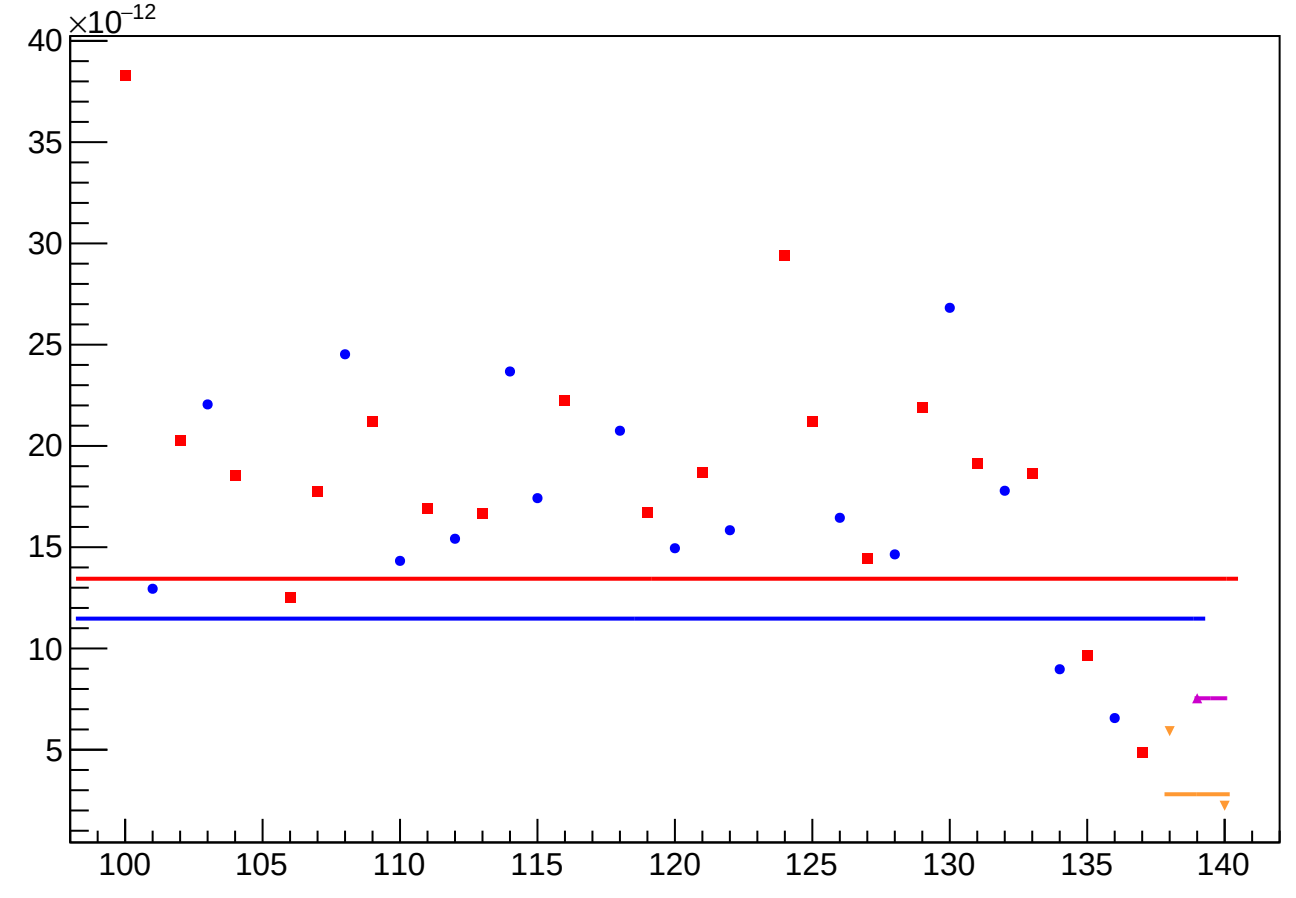
Left: -0.000+/-0.000 χ^2/NDF: 3.2/2

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:33.2/16

Out: 0.000+/-0.000 χ^2/NDF:23.8/20

All: -0.000+/-0.000 χ^2/NDF: 60.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:300322.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

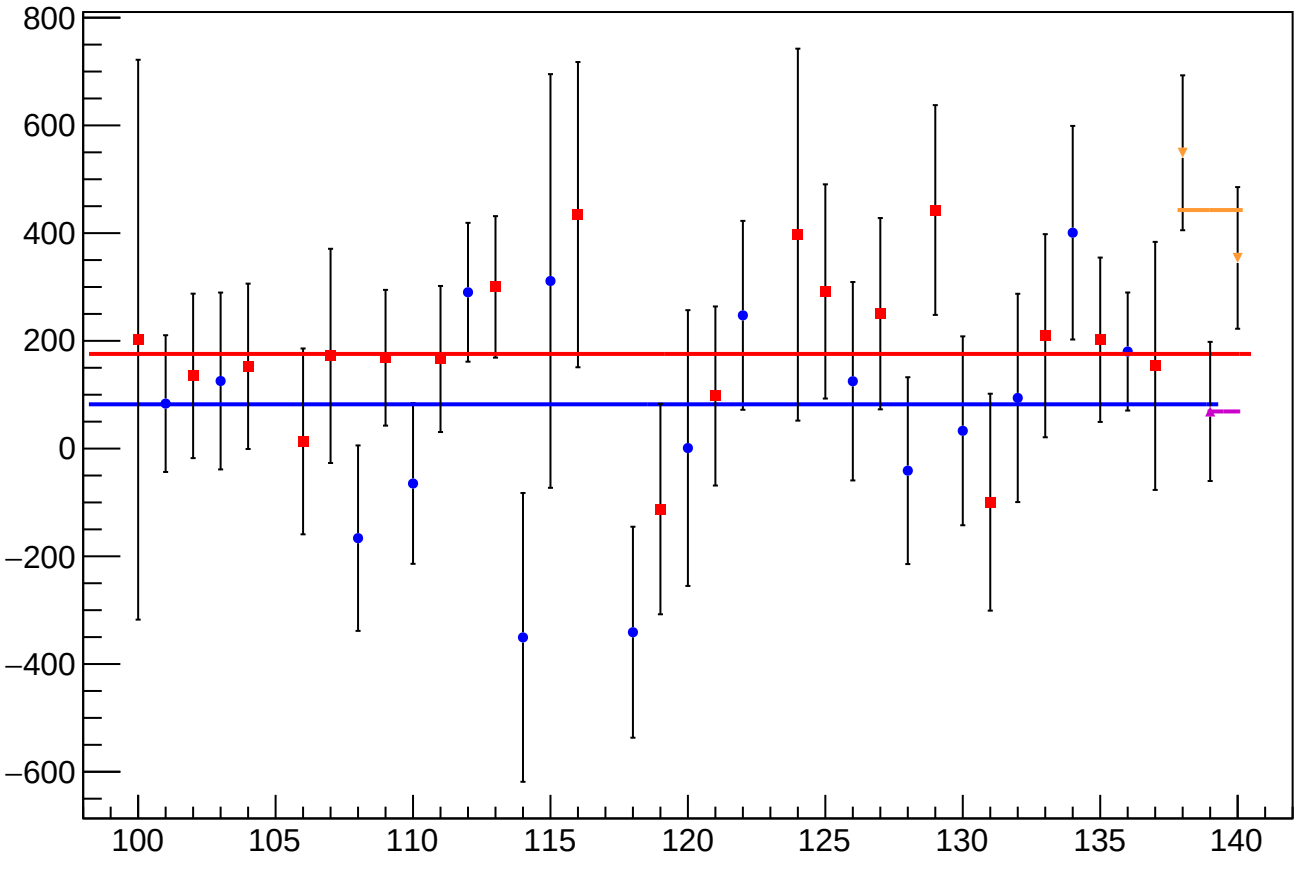
Left: 0.000+/-0.000 χ^2/NDF: 643767.3/2

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:1797588.0/16

Out: 0.000+/-0.000 χ^2/NDF:5896986.2/20

All: 0.000+/-0.000 χ^2/NDF: 9366951.2/37



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 442.862+/-97.036 χ^2/NDF:1.0/1

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 68.940+/-129.175 χ^2/NDF:0.0/0

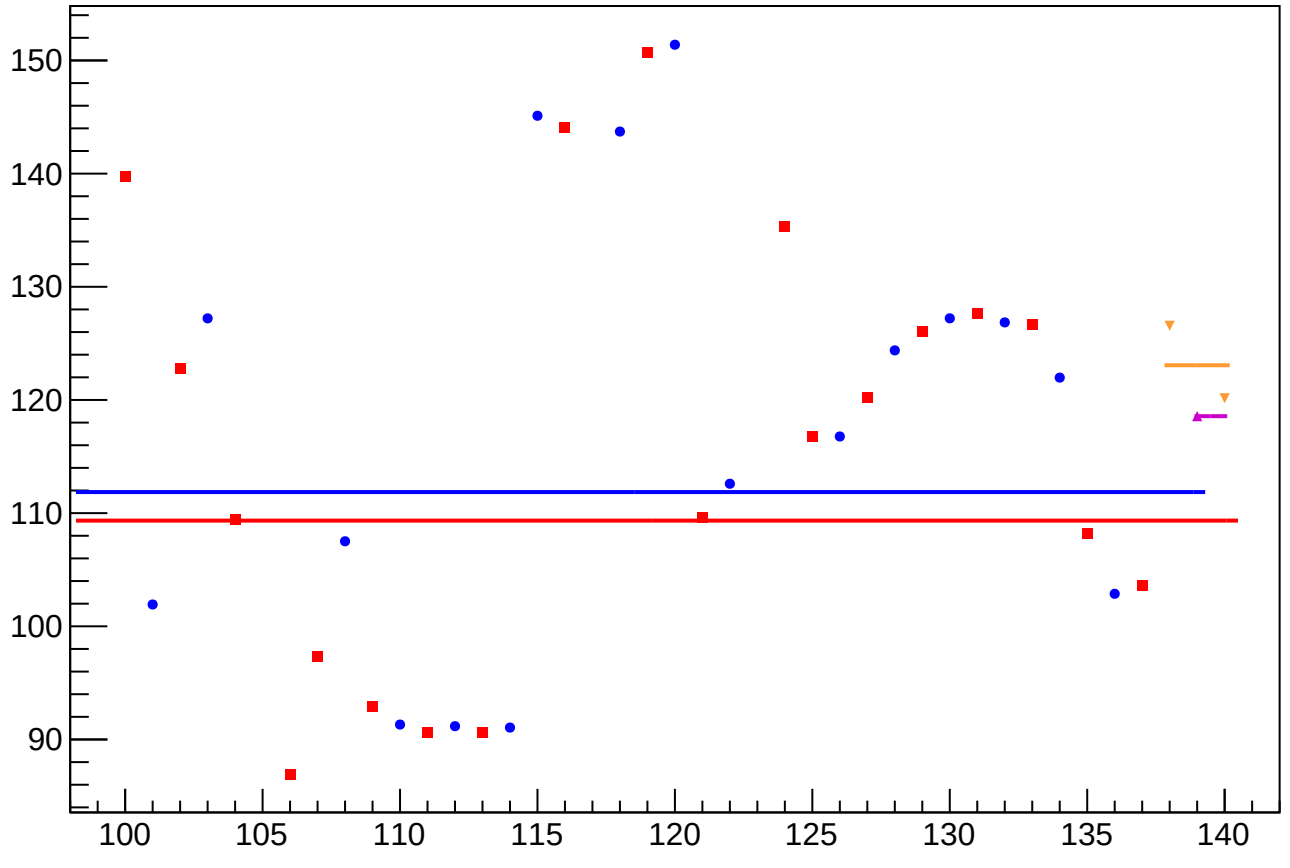
Left: 307.974+/-77.584 χ^2/NDF: 6.4/2

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 80.922+/-40.056 χ^2/NDF:18.4/16

Out: 215.650+/-37.511 χ^2/NDF:17.3/20

All: 152.702+/-27.380 χ^2/NDF: 41.7/37



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 123.067+/-0.069 χ^2/NDF:2159.5/1

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 118.568+/-0.091 χ^2/NDF:0.0/0

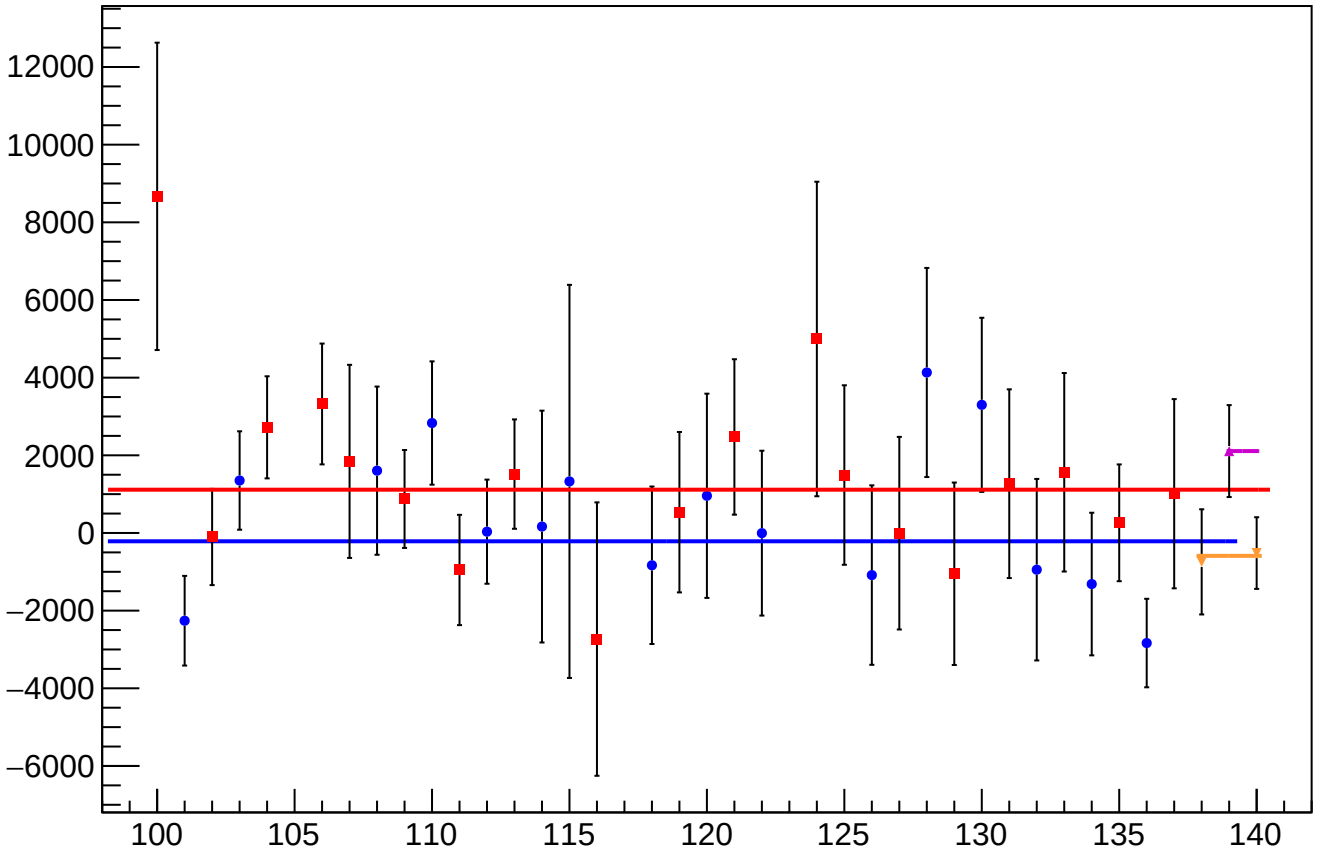
Left: 121.444+/-0.055 χ^2/NDF: 3710.2/2

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 112.507+/-0.028 χ^2/NDF:310896.2/16

Out: 111.392+/-0.027 χ^2/NDF:403420.9/20

All: 111.913+/-0.019 χ^2/NDF: 715143.4/37



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -589.238+/-762.605 χ^2/NDF:0.0/1

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 2109.083+/-1183.618 χ^2/NDF:0.0/0

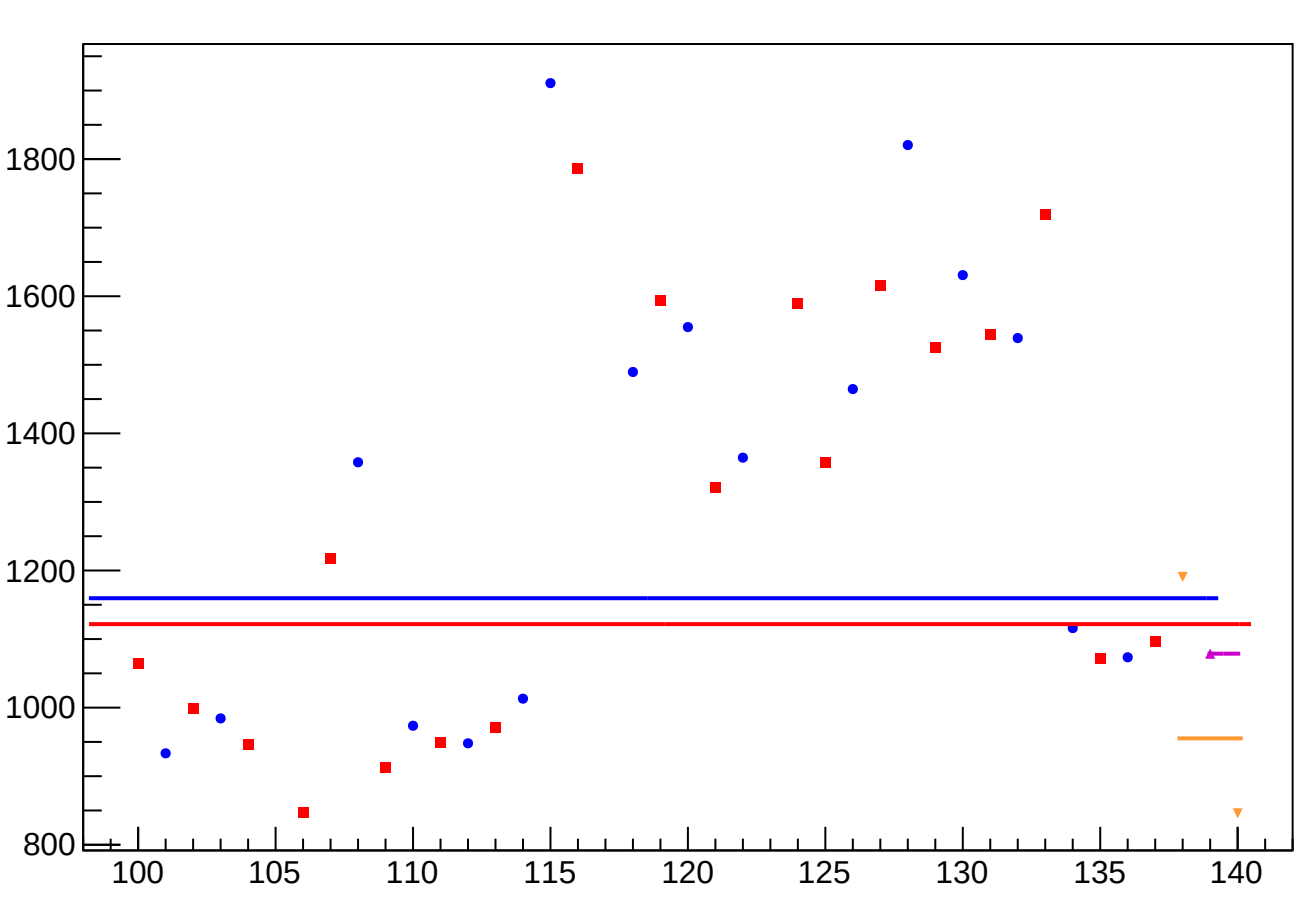
Left: 202.308+/-641.066 χ^2/NDF: 3.7/2

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 72.363+/-415.682 χ^2/NDF:23.8/16

Out: 713.742+/-369.932 χ^2/NDF:18.4/20

All: 430.277+/-276.347 χ^2/NDF: 43.5/37



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 955.148+/-0.539 χ^2/NDF:88555.1/1

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 1078.690+/-0.837 χ^2/NDF:0.0/0

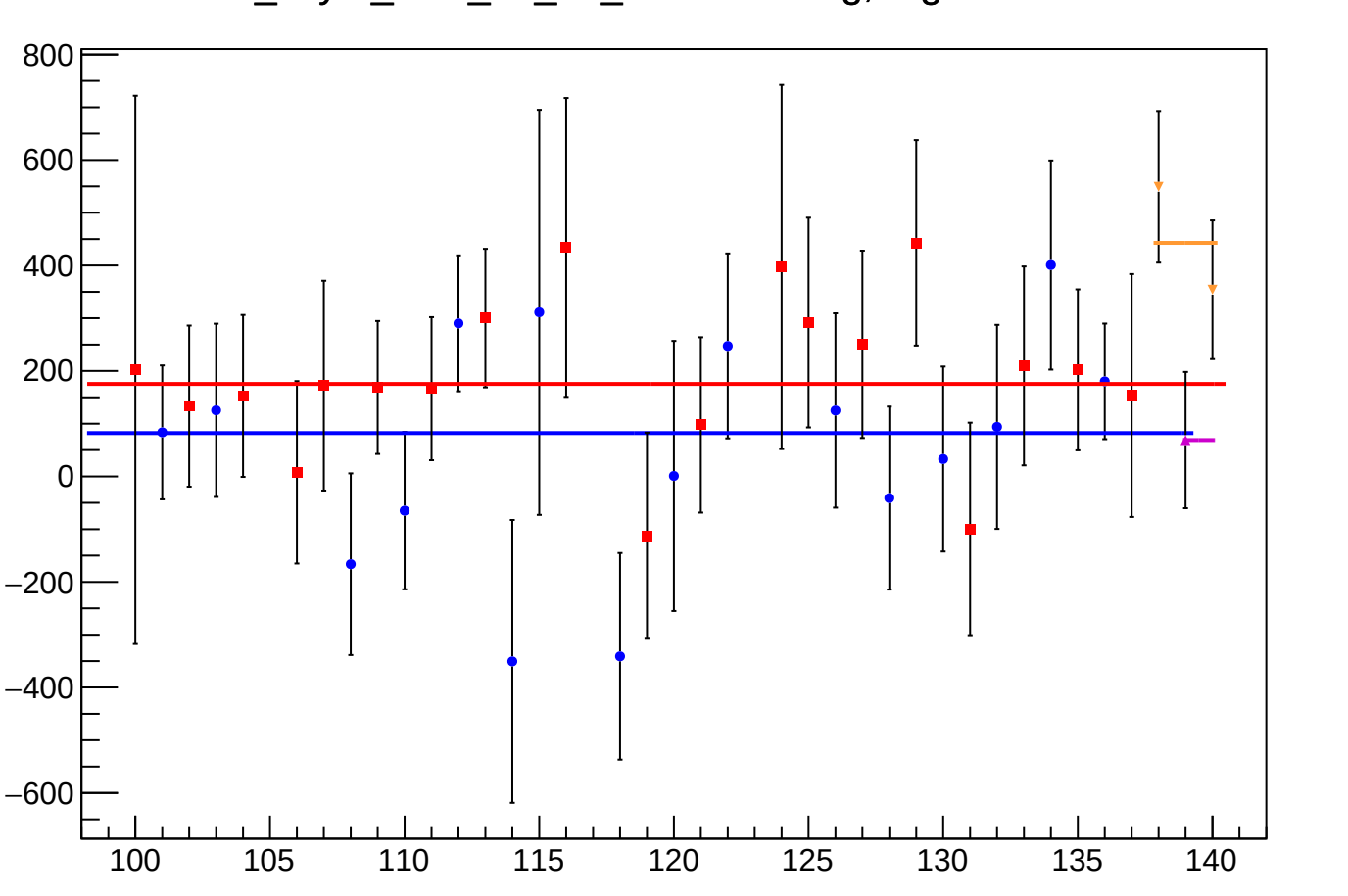
Left: 991.389+/-0.453 χ^2/NDF: 103952.4/2

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1149.592+/-0.294 χ^2/NDF:691879.5/16

Out: 1082.548+/-0.262 χ^2/NDF:943821.8/20

All: 1112.179+/-0.195 χ^2/NDF: 1664734.0/37



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 442.870+/-97.036 χ^2/NDF:1.0/1

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 68.943+/-129.175 χ^2/NDF:0.0/0

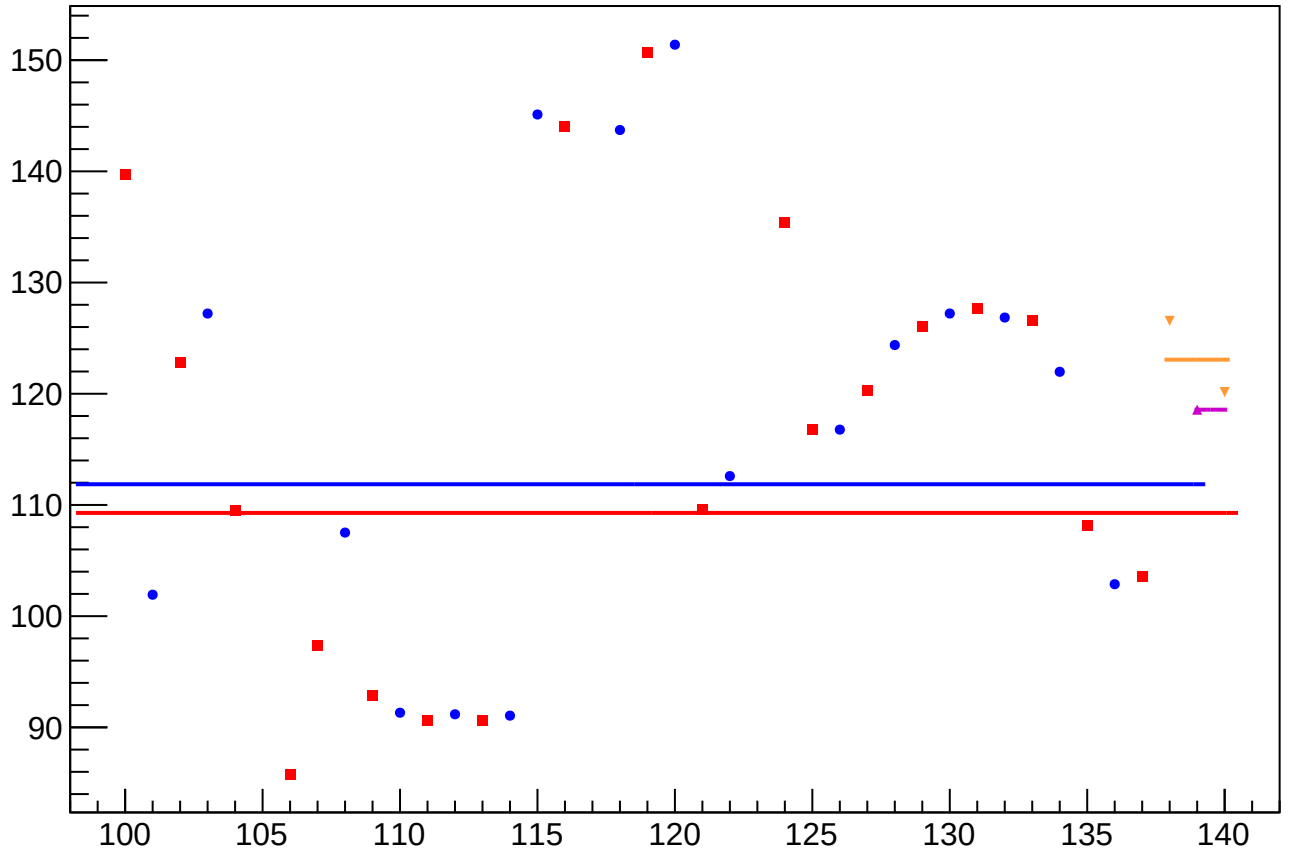
Left: 307.980+/-77.584 χ^2/NDF: 6.4/2

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 80.911+/-40.056 χ^2/NDF:18.4/16

Out: 215.326+/-37.515 χ^2/NDF:17.4/20

All: 152.517+/-27.381 χ^2/NDF: 41.8/37



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 123.067+/-0.069 χ^2/NDF:2159.5/1

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 118.568+/-0.091 χ^2/NDF:0.0/0

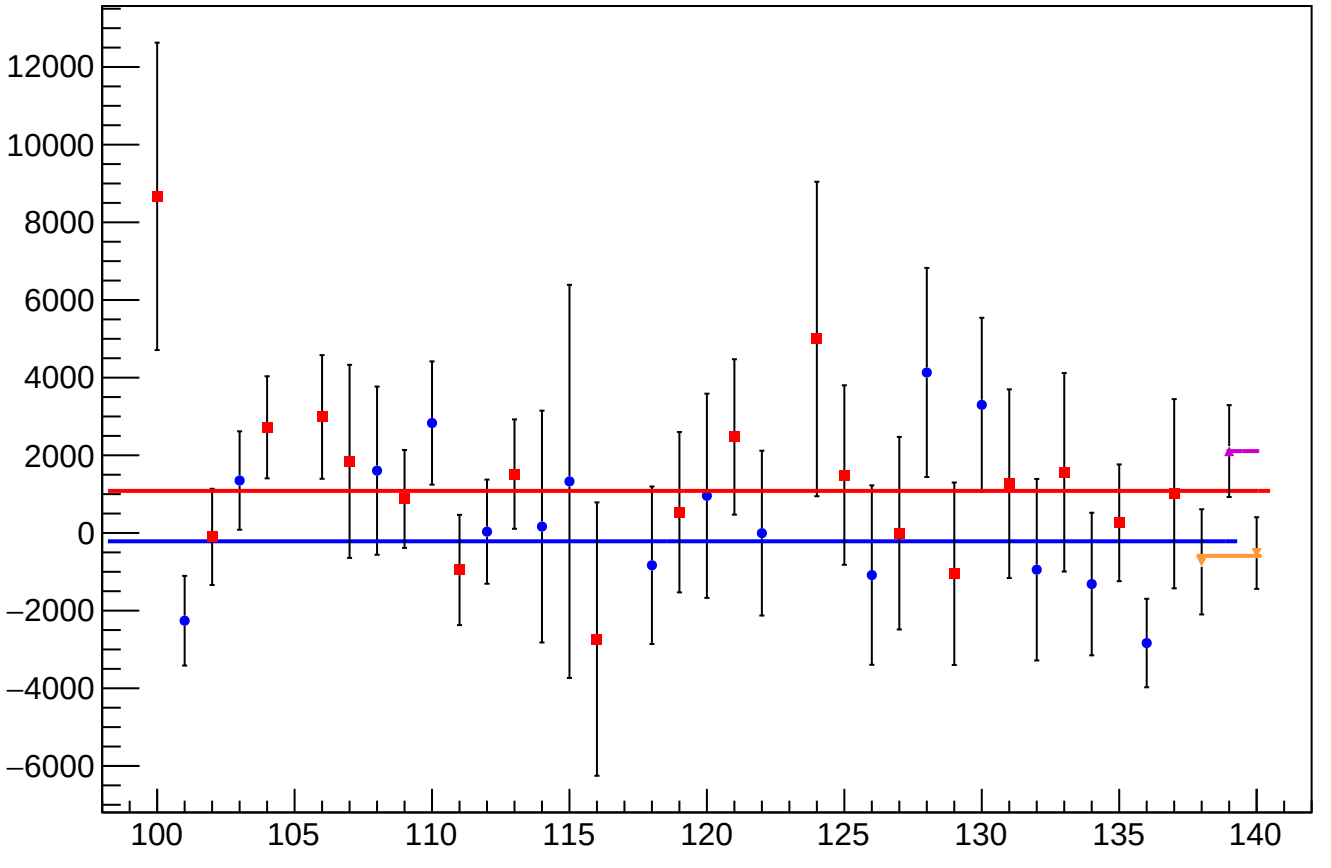
Left: 121.444+/-0.055 χ^2/NDF: 3710.2/2

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 112.507+/-0.028 χ^2/NDF:310897.3/16

Out: 111.344+/-0.027 χ^2/NDF:407190.2/20

All: 111.888+/-0.019 χ^2/NDF: 718985.2/37



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -589.228+/-762.605 χ^2/NDF:0.0/1

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 2109.092+/-1183.617 χ^2/NDF:0.0/0

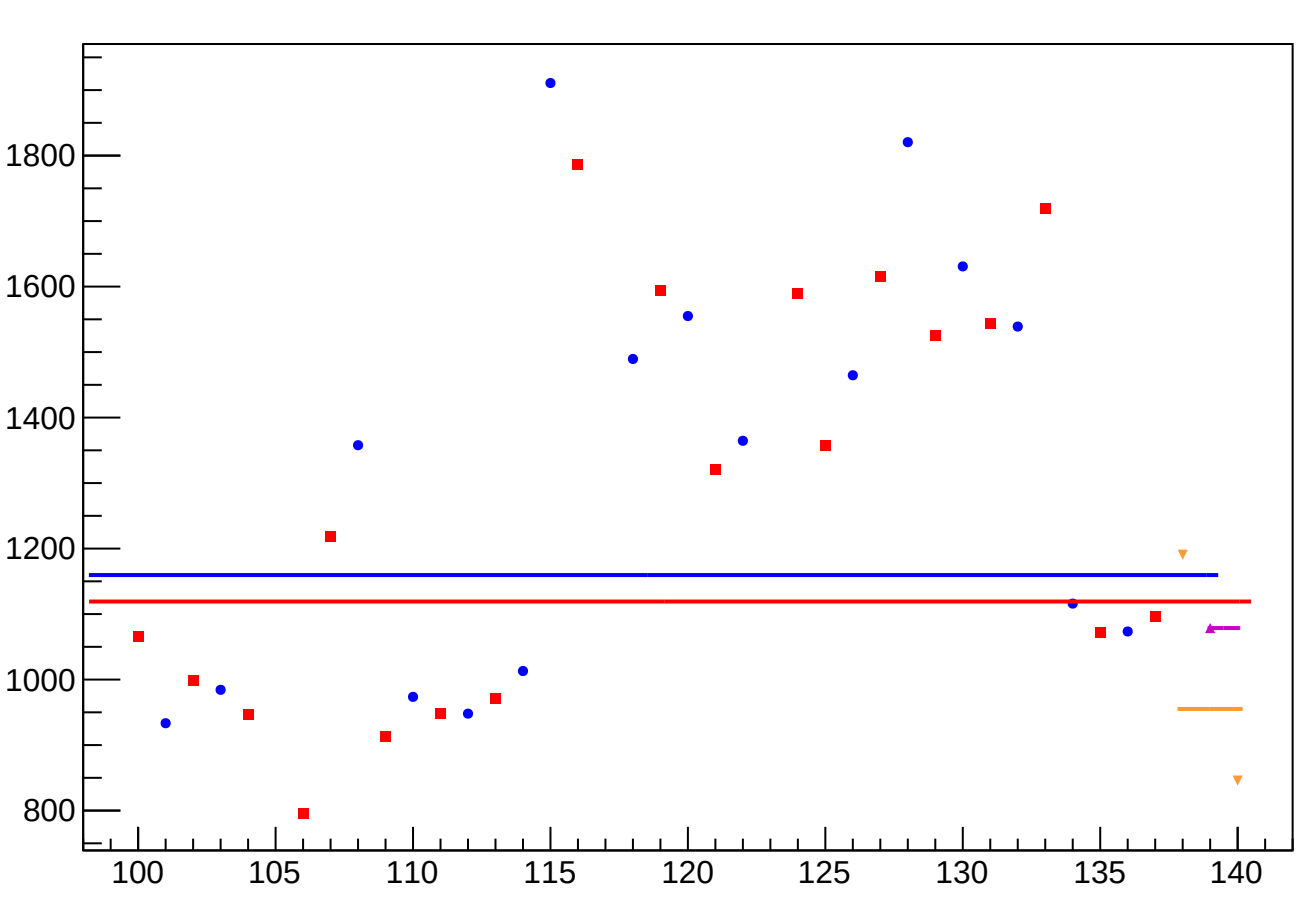
Left: 202.318+/-641.066 χ^2/NDF: 3.7/2

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 72.288+/-415.685 χ^2/NDF:23.8/16

Out: 689.177+/-370.424 χ^2/NDF:17.6/20

All: 416.134+/-276.552 χ^2/NDF: 42.6/37



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 955.148+/-0.539 χ^2/NDF:88555.3/1

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 1078.689+/-0.837 χ^2/NDF:0.0/0

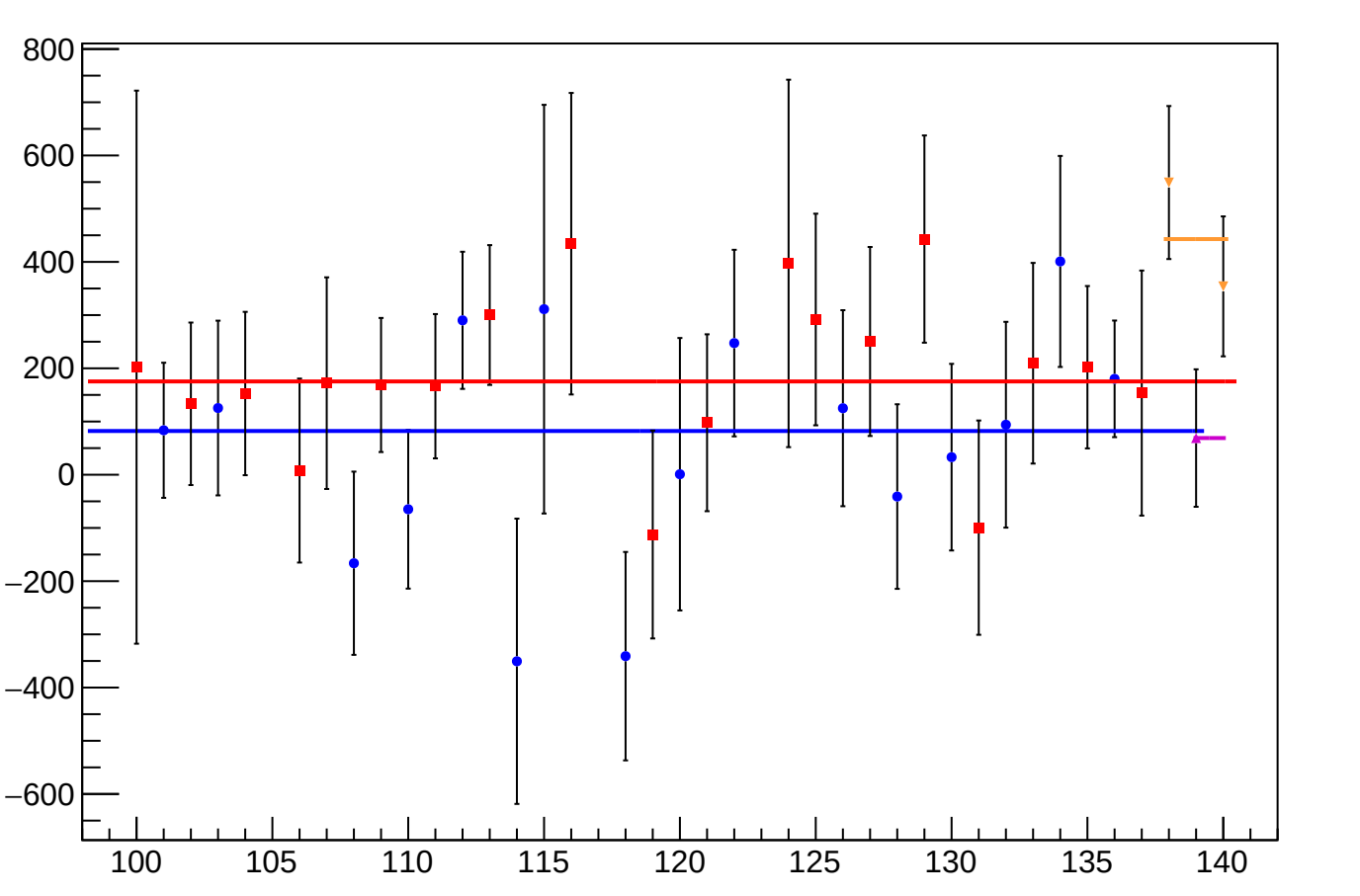
Left: 991.388+/-0.453 χ^2/NDF: 103952.3/2

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1149.600+/-0.294 χ^2/NDF:691850.6/16

Out: 1080.460+/-0.262 χ^2/NDF:962388.7/20

All: 1111.062+/-0.196 χ^2/NDF: 1685079.4/37



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 442.870+/-97.036 χ^2/NDF:1.0/1

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 68.943+/-129.175 χ^2/NDF:0.0/0

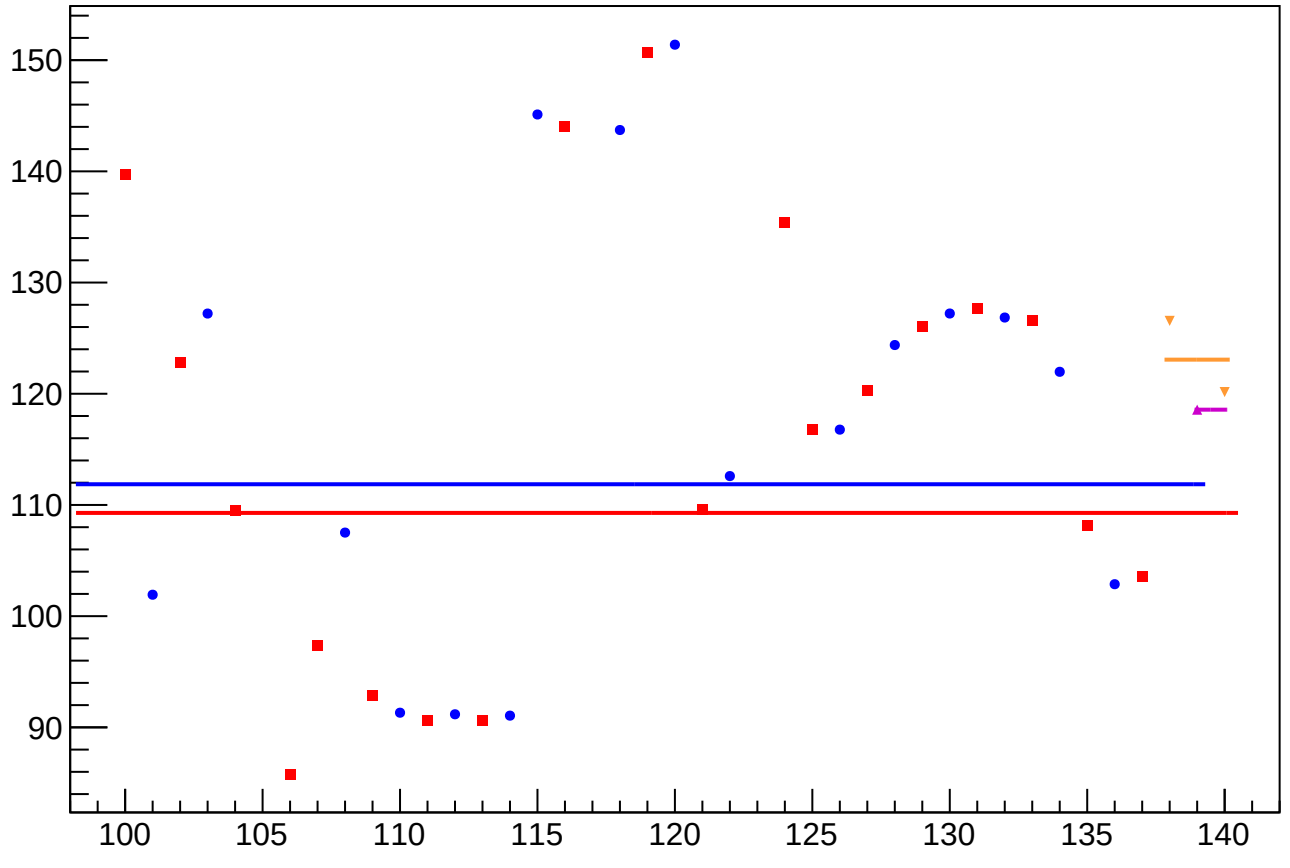
Left: 307.980+/-77.584 χ^2/NDF: 6.4/2

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 80.911+/-40.056 χ^2/NDF:18.4/16

Out: 215.326+/-37.515 χ^2/NDF:17.4/20

All: 152.517+/-27.381 χ^2/NDF: 41.8/37



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 123.067+/-0.069 χ^2/NDF:2159.5/1

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 118.568+/-0.091 χ^2/NDF:0.0/0

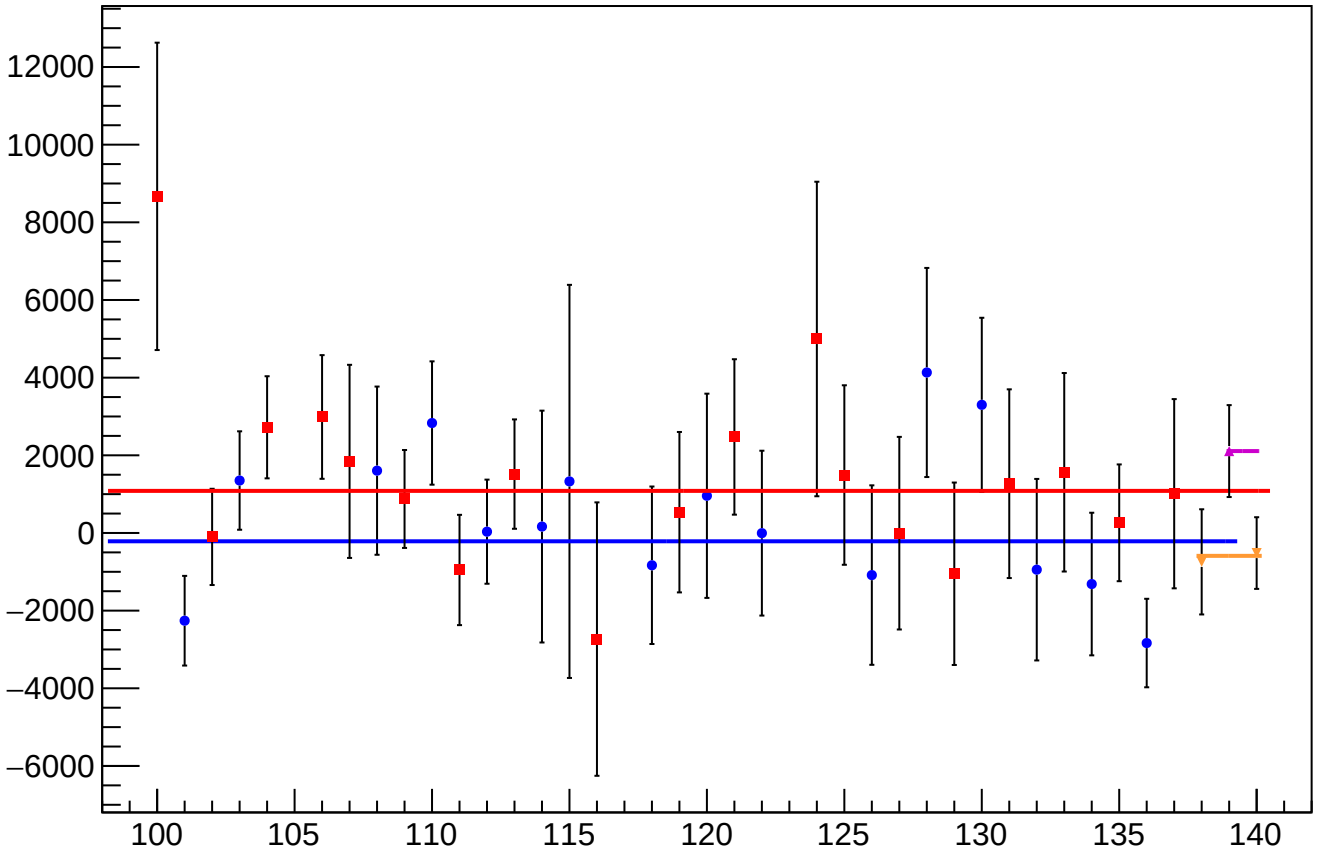
Left: 121.444+/-0.055 χ^2/NDF: 3710.2/2

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 112.507+/-0.028 χ^2/NDF:310897.3/16

Out: 111.344+/-0.027 χ^2/NDF:407190.2/20

All: 111.888+/-0.019 χ^2/NDF: 718985.2/37



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -589.228+/-762.605 χ^2/NDF:0.0/1

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 2109.092+/-1183.617 χ^2/NDF:0.0/0

Left: 202.318+/-641.066 χ^2/NDF: 3.7/2

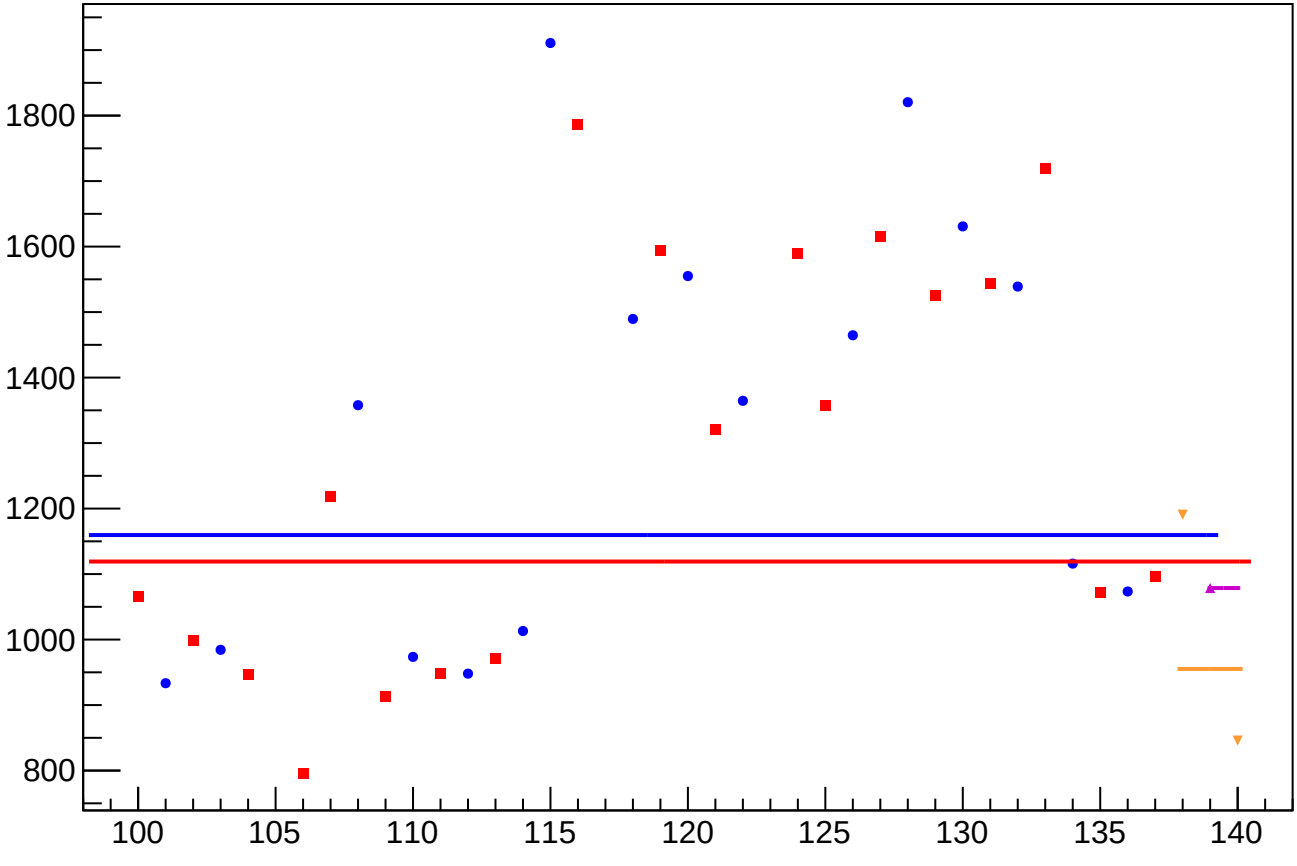
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 72.288+/-415.685 χ^2/NDF:23.8/16

Out: 689.177+/-370.424 χ^2/NDF:17.6/20

All: 416.134+/-276.552 χ^2/NDF: 42.6/37

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 955.148+/-0.539 χ^2/NDF:88555.3/1

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 1078.689+/-0.837 χ^2/NDF:0.0/0

Left: 991.388+/-0.453 χ^2/NDF: 103952.3/2

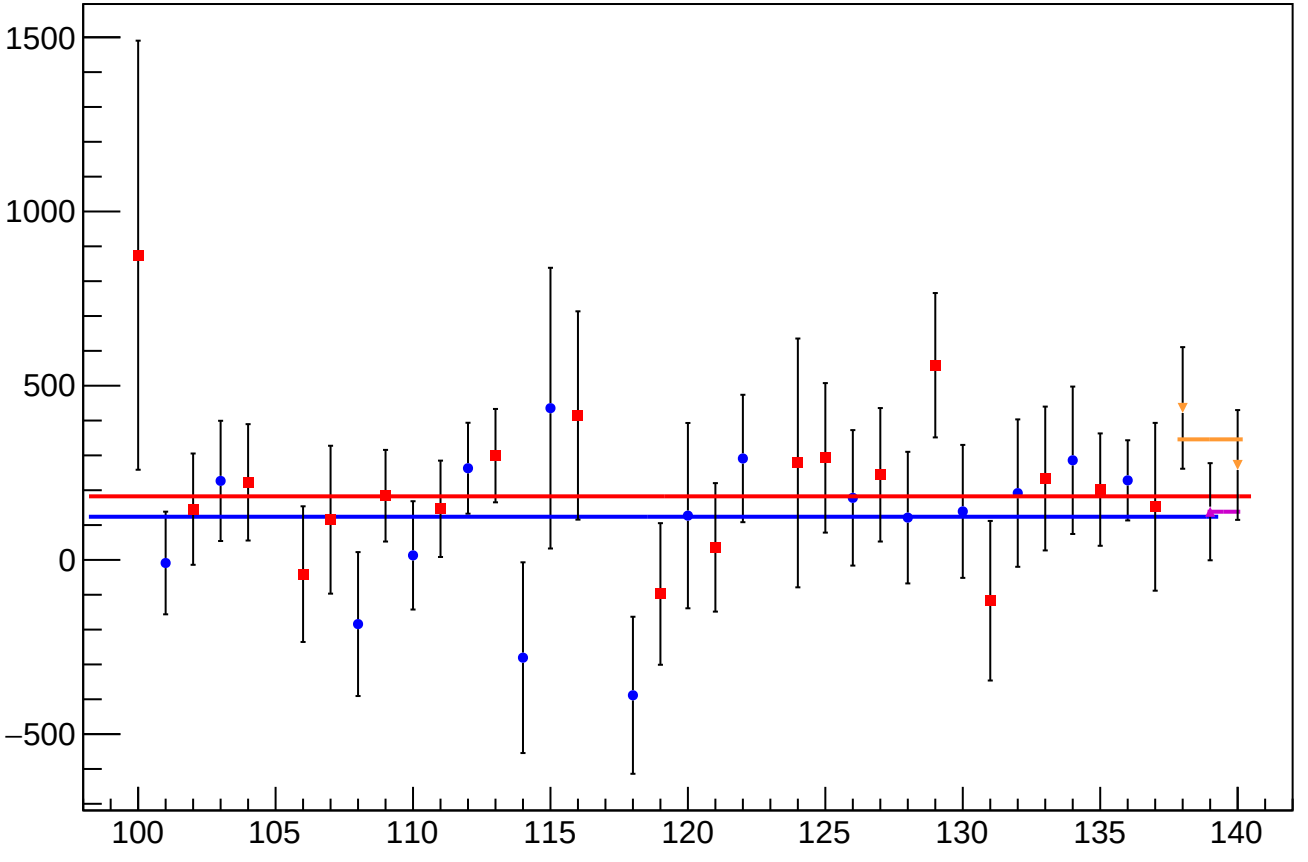
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1149.600+/-0.294 χ^2/NDF:691850.6/16

Out: 1080.460+/-0.262 χ^2/NDF:962388.7/20

All: 1111.062+/-0.196 χ^2/NDF: 1685079.4/37

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 345.986+/-116.950 χ^2/NDF:0.5/1

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 138.305+/-139.391 χ^2/NDF:0.0/0

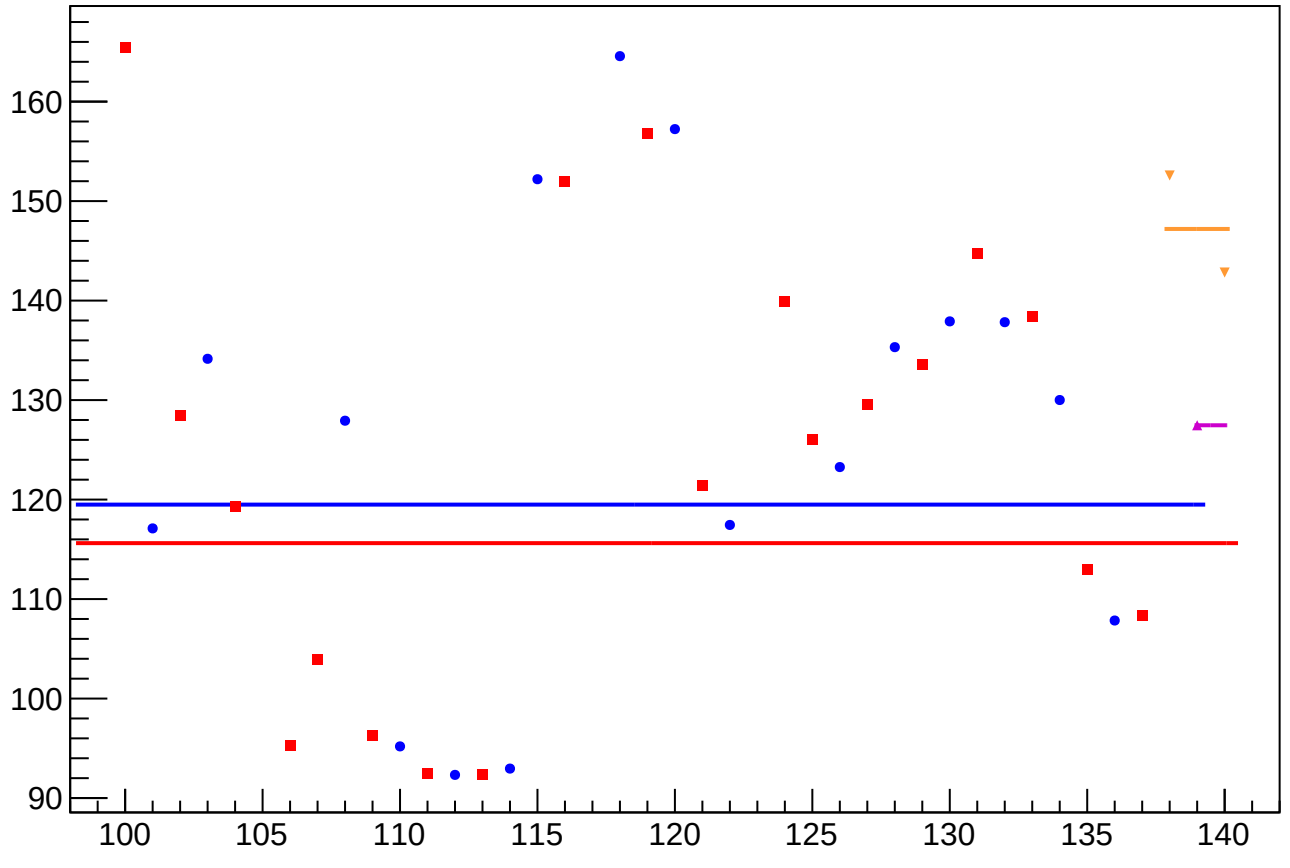
Left: 260.189+/-89.593 χ^2/NDF: 1.8/2

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 125.266+/-43.029 χ^2/NDF:15.4/16

Out: 202.120+/-40.544 χ^2/NDF:14.5/20

All: 165.976+/-29.508 χ^2/NDF: 31.6/37



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 147.201+/-0.083 χ^2/NDF:3443.0/1

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 127.469+/-0.099 χ^2/NDF:0.0/0

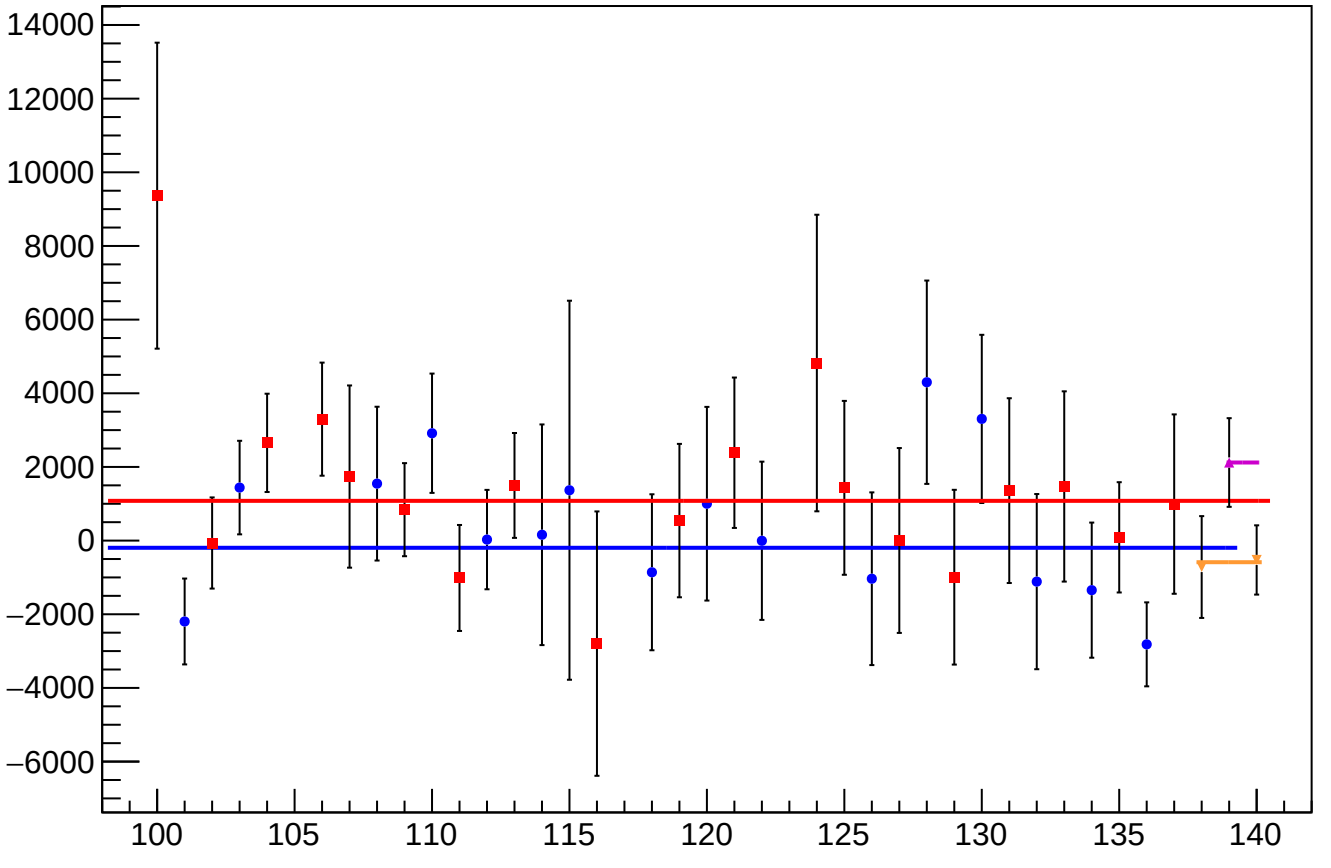
Left: 139.049+/-0.063 χ^2/NDF: 26963.6/2

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 120.254+/-0.030 χ^2/NDF:386172.6/16

Out: 119.417+/-0.029 χ^2/NDF:558702.7/20

All: 119.811+/-0.021 χ^2/NDF: 945276.5/37



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -586.453+/-777.613 χ^2/NDF:0.0/1

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 2120.438+/-1203.714 χ^2/NDF:0.0/0

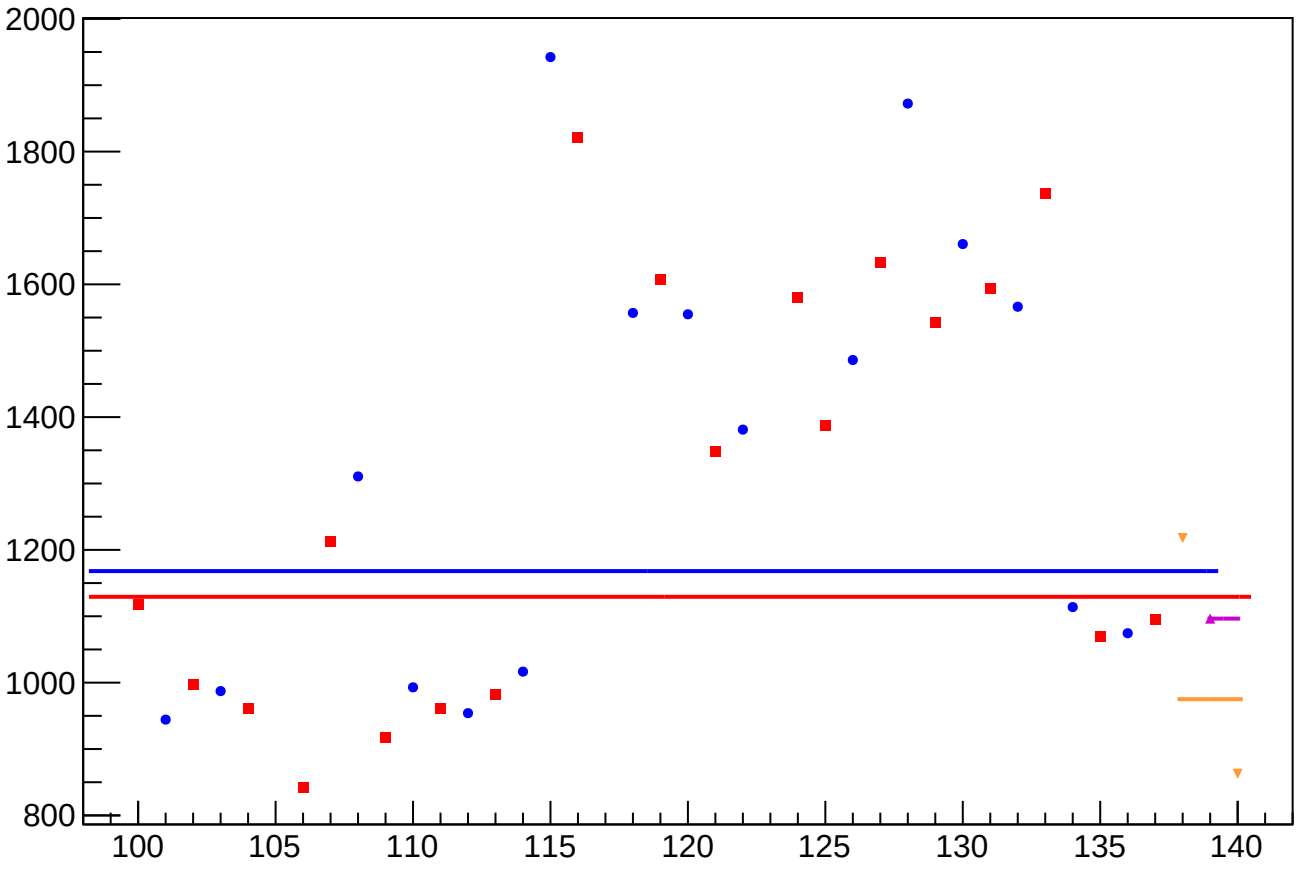
Left: 210.587+/-653.173 χ^2/NDF: 3.6/2

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 85.899+/-419.315 χ^2/NDF:23.6/16

Out: 694.920+/-373.576 χ^2/NDF:18.1/20

All: 425.425+/-278.933 χ^2/NDF: 42.9/37



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 975.084+/-0.550 χ^2/NDF:90151.2/1

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 1096.492+/-0.851 χ^2/NDF:0.0/0

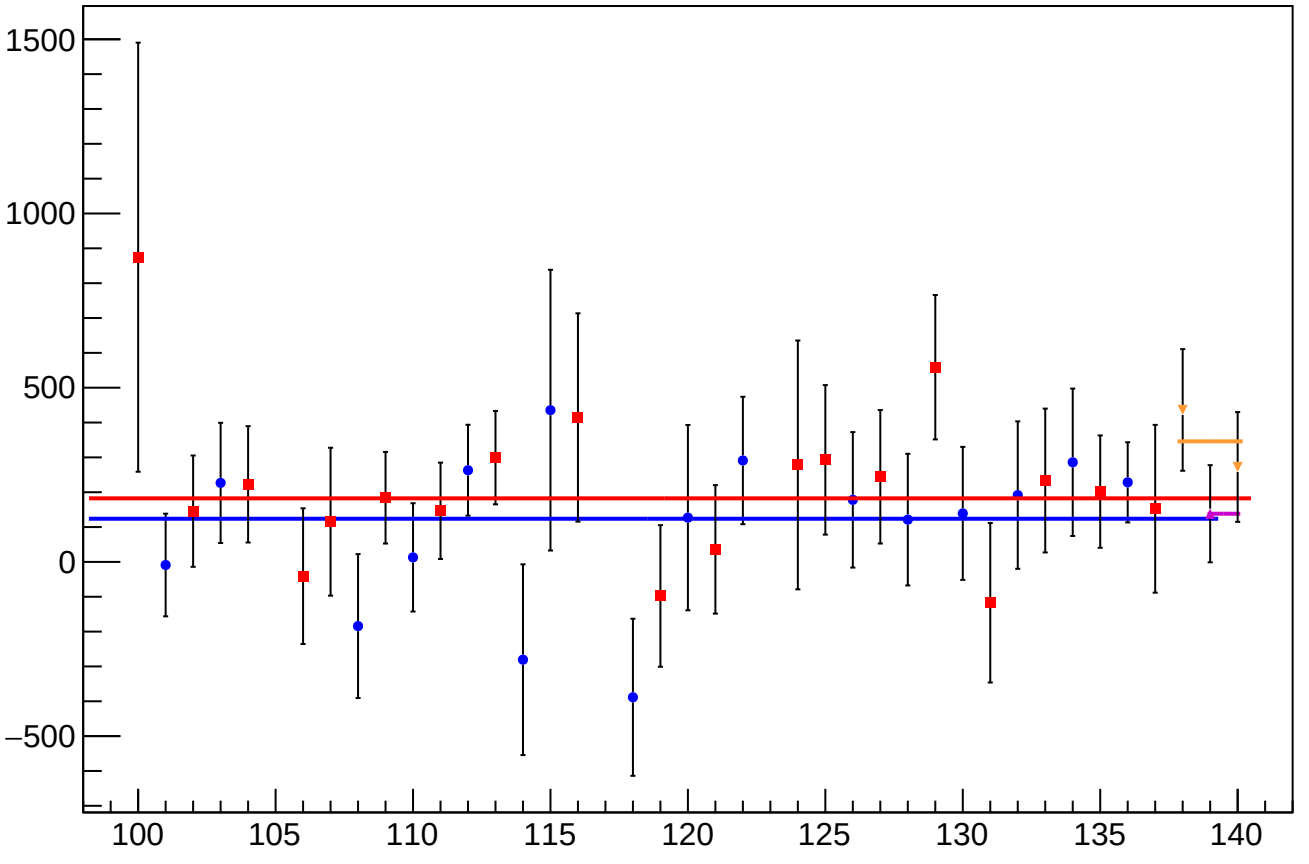
Left: 1010.832+/-0.462 χ^2/NDF: 104506.3/2

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1159.378+/-0.297 χ^2/NDF:715576.4/16

Out: 1093.720+/-0.264 χ^2/NDF:957893.6/20

All: 1122.774+/-0.197 χ^2/NDF: 1700807.7/37



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 345.990+/-116.950 χ^2/NDF:0.5/1

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 138.301+/-139.391 χ^2/NDF:0.0/0

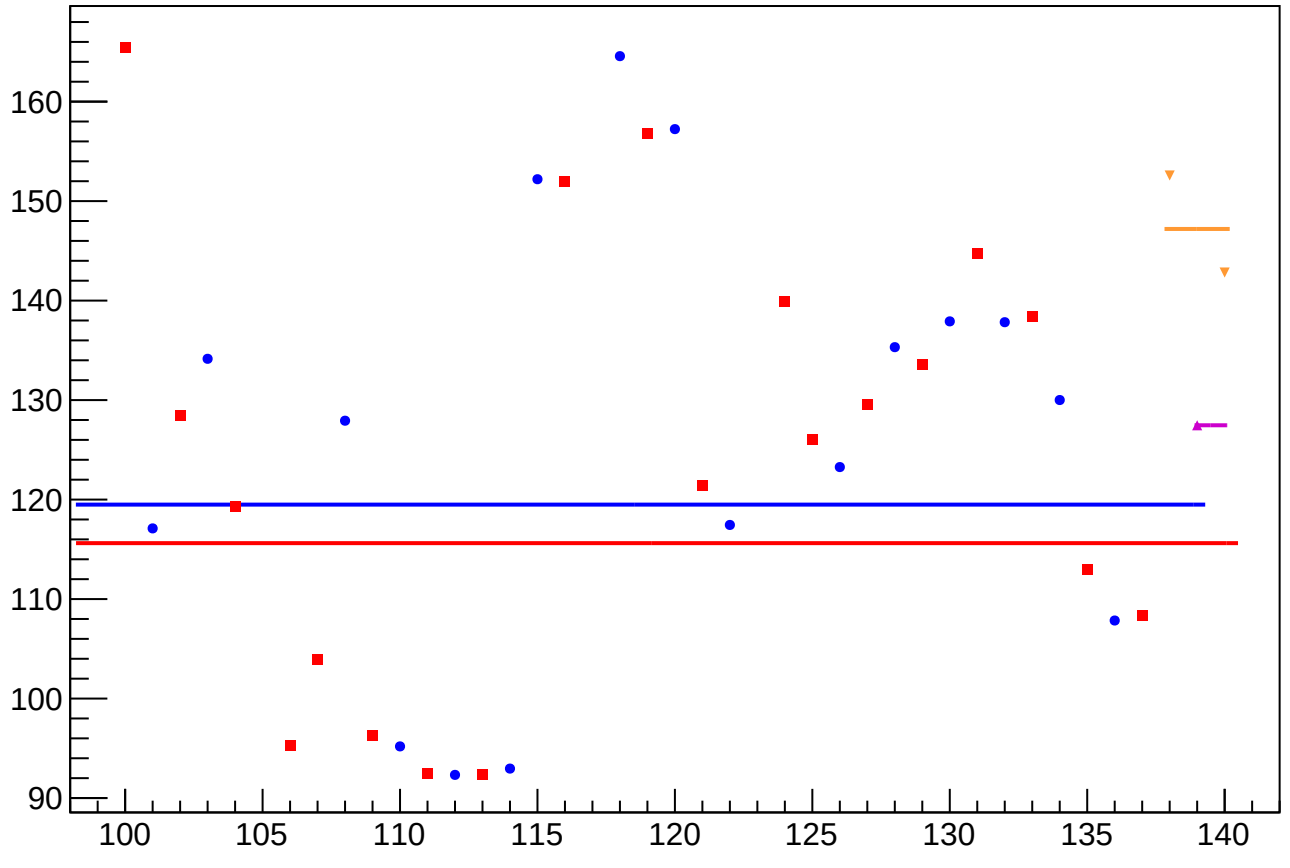
Left: 260.189+/-89.593 χ^2/NDF: 1.8/2

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 125.268+/-43.029 χ^2/NDF:15.4/16

Out: 202.120+/-40.544 χ^2/NDF:14.5/20

All: 165.977+/-29.508 χ^2/NDF: 31.6/37



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 147.201+/-0.083 χ^2/NDF:3442.6/1

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 127.469+/-0.099 χ^2/NDF:0.0/0

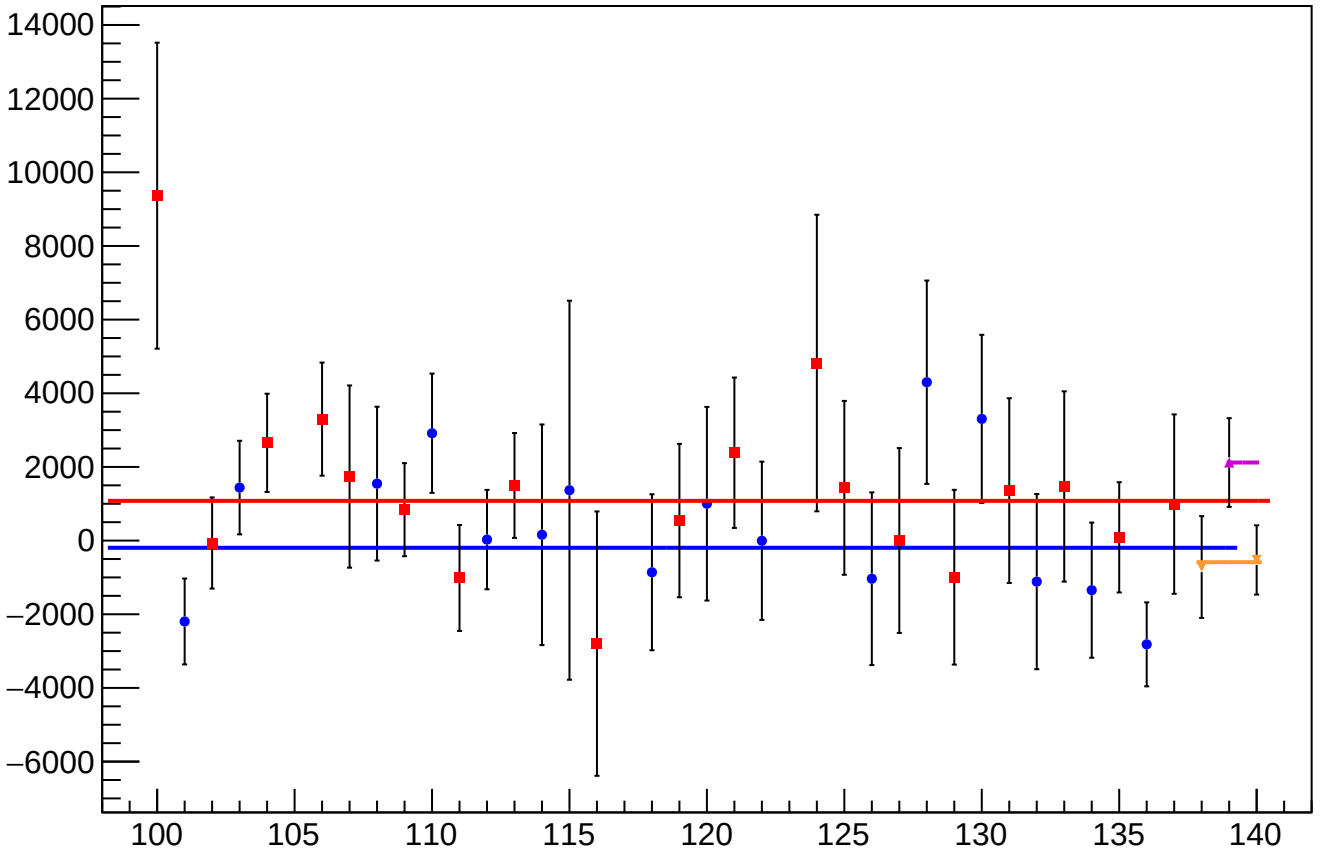
Left: 139.049+/-0.063 χ^2/NDF: 26964.0/2

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 120.254+/-0.030 χ^2/NDF:386175.5/16

Out: 119.417+/-0.029 χ^2/NDF:558707.1/20

All: 119.811+/-0.021 χ^2/NDF: 945283.9/37



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -586.451+/-777.612 χ^2/NDF:0.0/1

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 2120.441+/-1203.713 χ^2/NDF:0.0/0

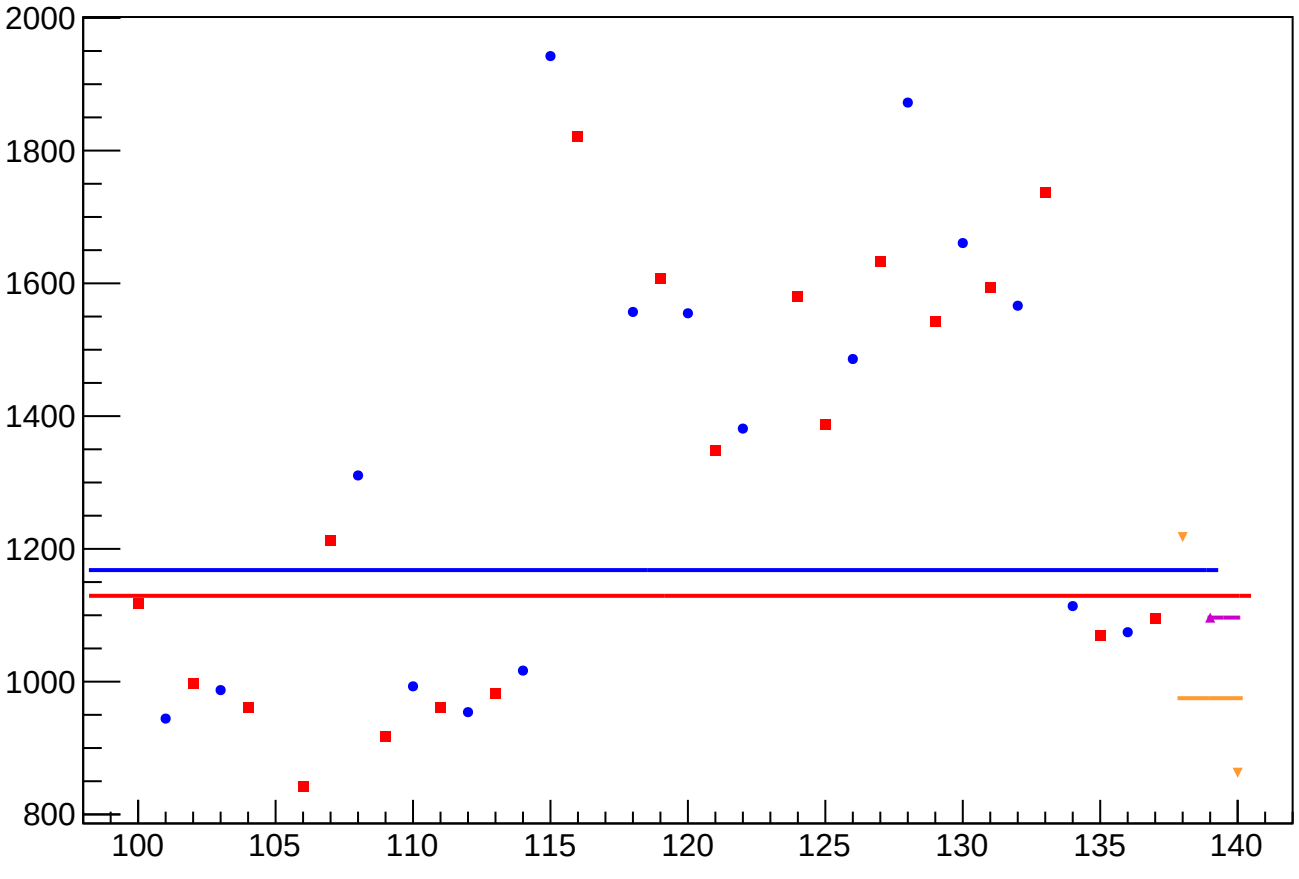
Left: 210.587+/-653.172 χ^2/NDF: 3.6/2

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 85.900+/-419.314 χ^2/NDF:23.6/16

Out: 694.919+/-373.576 χ^2/NDF:18.1/20

All: 425.425+/-278.932 χ^2/NDF: 42.9/37



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 975.081+/-0.550 χ^2/NDF:90151.3/1

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 1096.492+/-0.851 χ^2/NDF:0.0/0

Left: 1010.830+/-0.462 χ^2/NDF: 104507.0/2

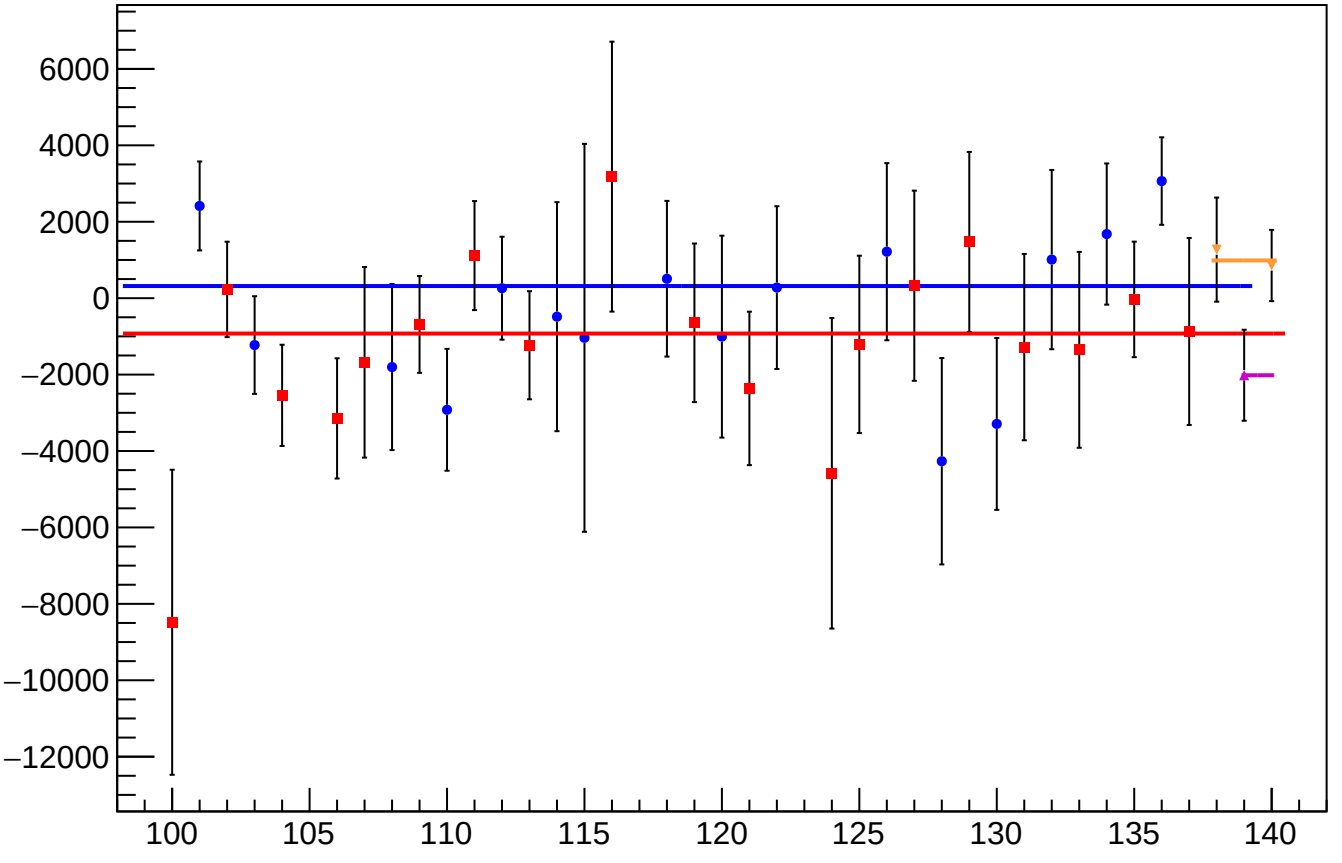
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1159.378+/-0.297 χ^2/NDF:715578.2/16

Out: 1093.719+/-0.264 χ^2/NDF:957896.8/20

All: 1122.773+/-0.197 χ^2/NDF: 1700813.4/37

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 987.456+/-769.376 χ^2/NDF:0.1/1

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -2017.047+/-1190.982 χ^2/NDF:0.0/0

Left: 102.804+/-646.257 χ^2/NDF: 4.6/2

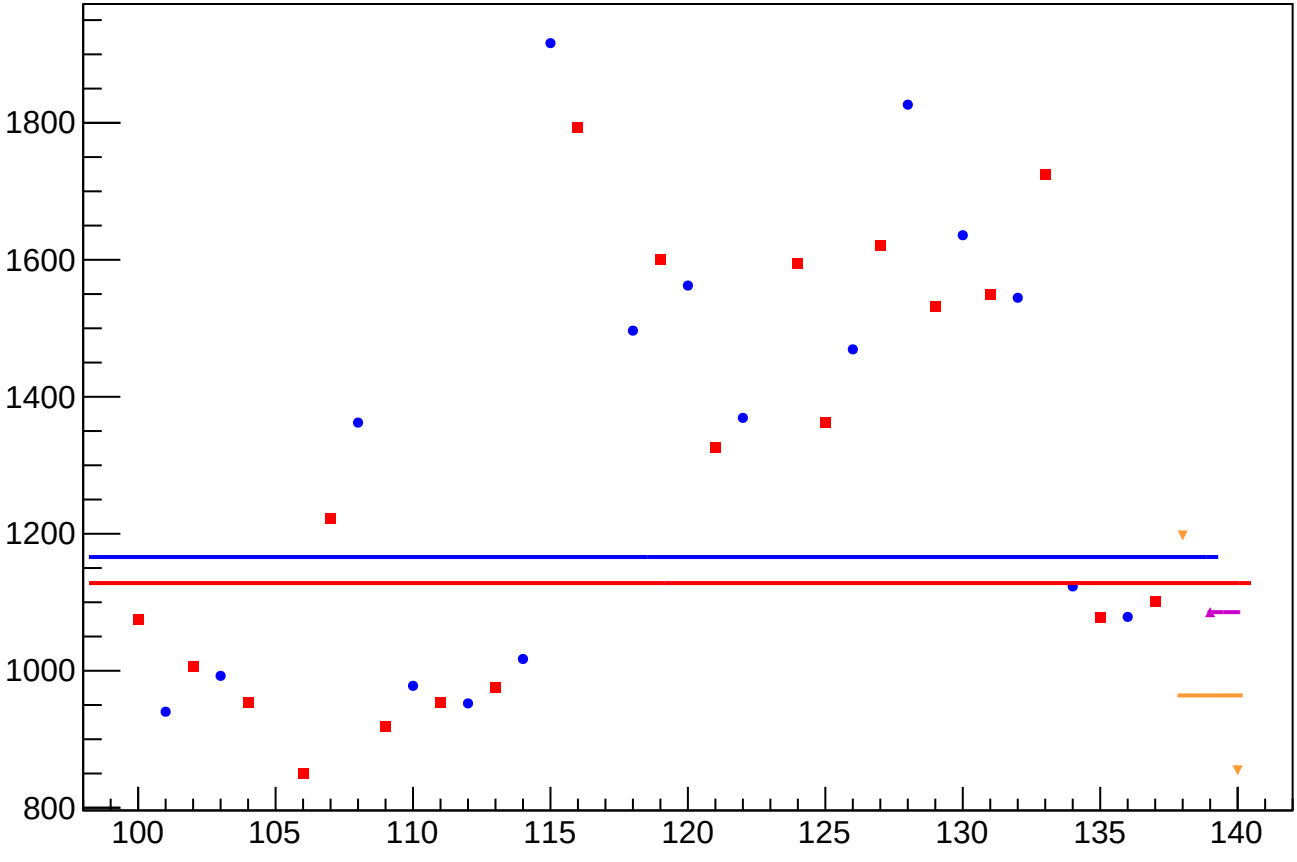
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 29.874+/-417.954 χ^2/NDF:25.5/16

Out: -478.010+/-372.286 χ^2/NDF:19.3/20

All: -253.321+/-277.995 χ^2/NDF: 45.7/37

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 963.983+/-0.544 χ^2/NDF:86333.4/1

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 1085.578+/-0.842 χ^2/NDF:0.0/0

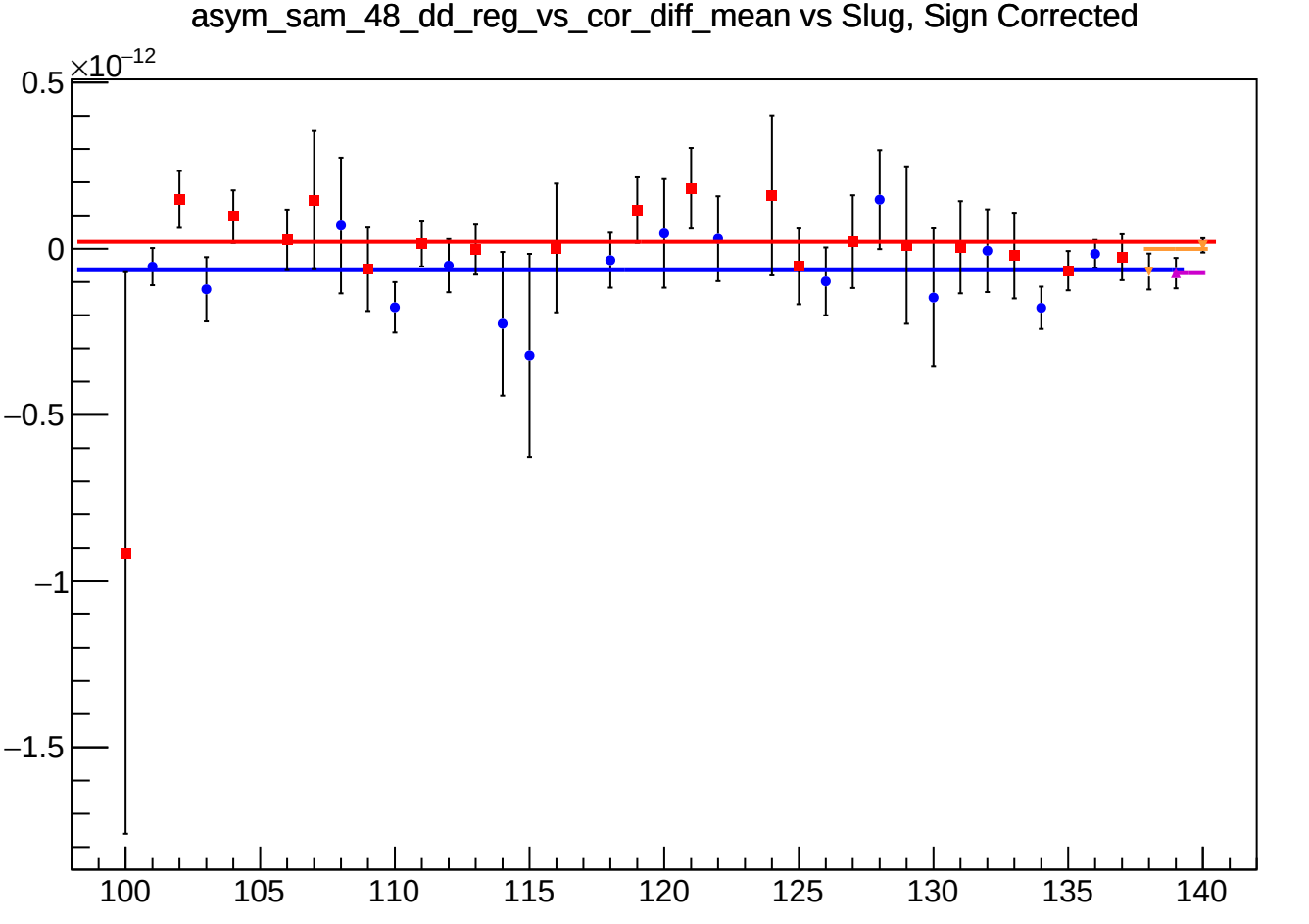
Left: 999.786+/-0.457 χ^2/NDF: 101042.3/2

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1156.145+/-0.296 χ^2/NDF:685070.8/16

Out: 1089.602+/-0.263 χ^2/NDF:931716.5/20

All: 1119.041+/-0.197 χ^2/NDF: 1645055.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

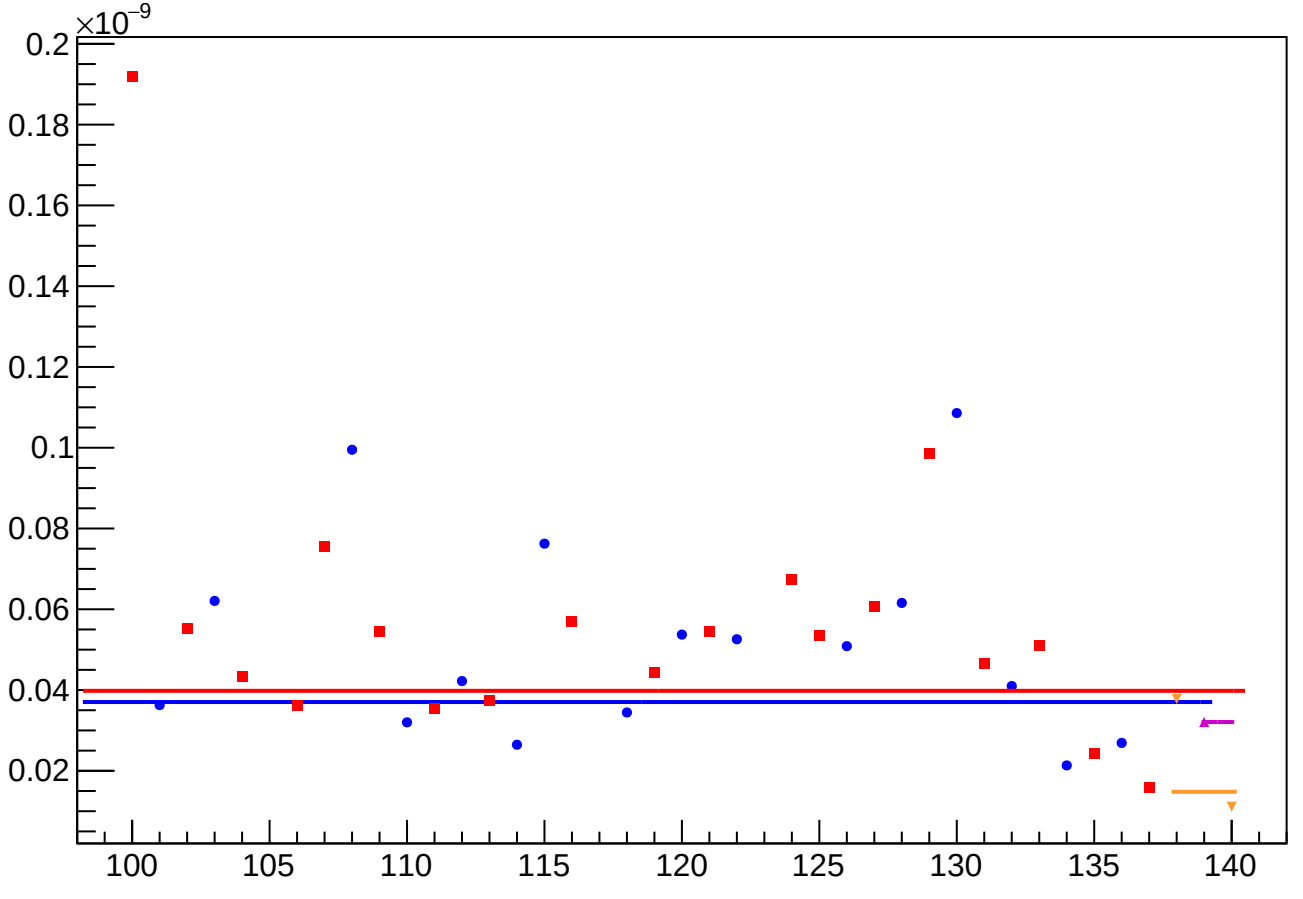
Left: -0.000+/-0.000 χ^2/NDF: 4.0/2

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:12.5/16

Out: 0.000+/-0.000 χ^2/NDF:13.8/20

All: -0.000+/-0.000 χ^2/NDF: 35.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:419400.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 657740.9/2

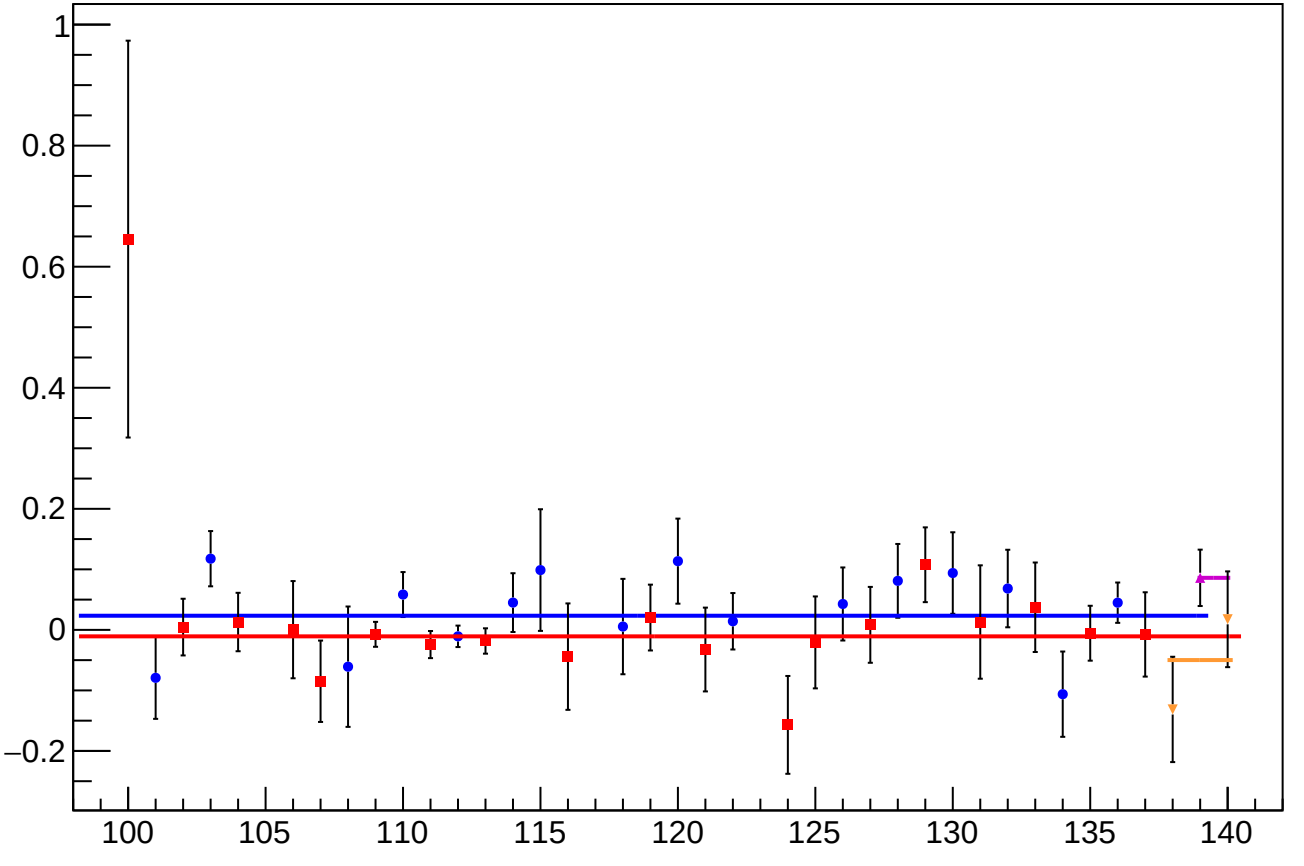
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:1014436.2/16

Out: 0.000+/-0.000 χ^2/NDF:2652994.7/20

All: 0.000+/-0.000 χ^2/NDF: 4024720.3/37

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.050+/-0.059 χ^2/NDF:1.6/1

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.086+/-0.047 χ^2/NDF:0.0/0

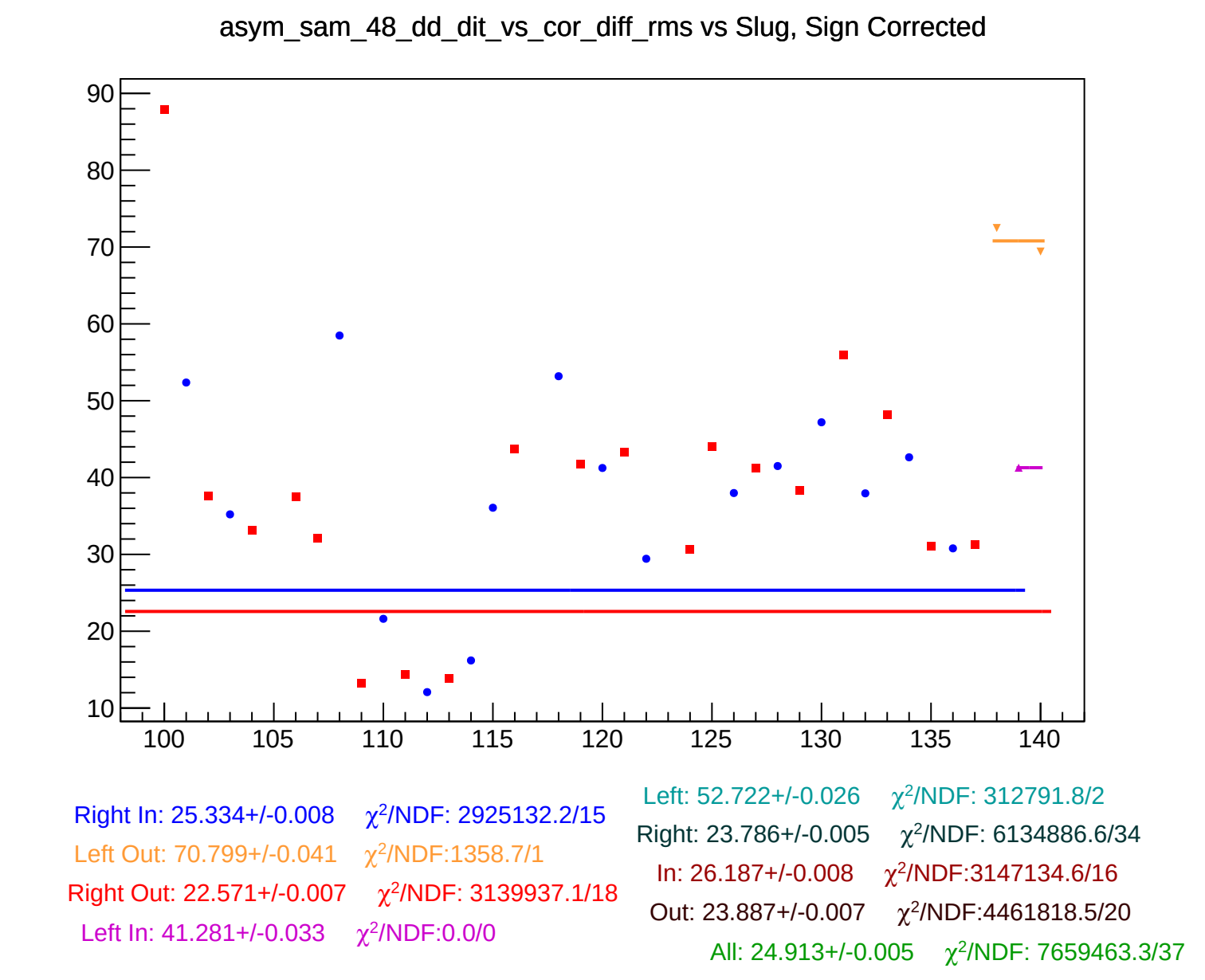
Left: 0.033+/-0.036 χ^2/NDF: 4.9/2

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

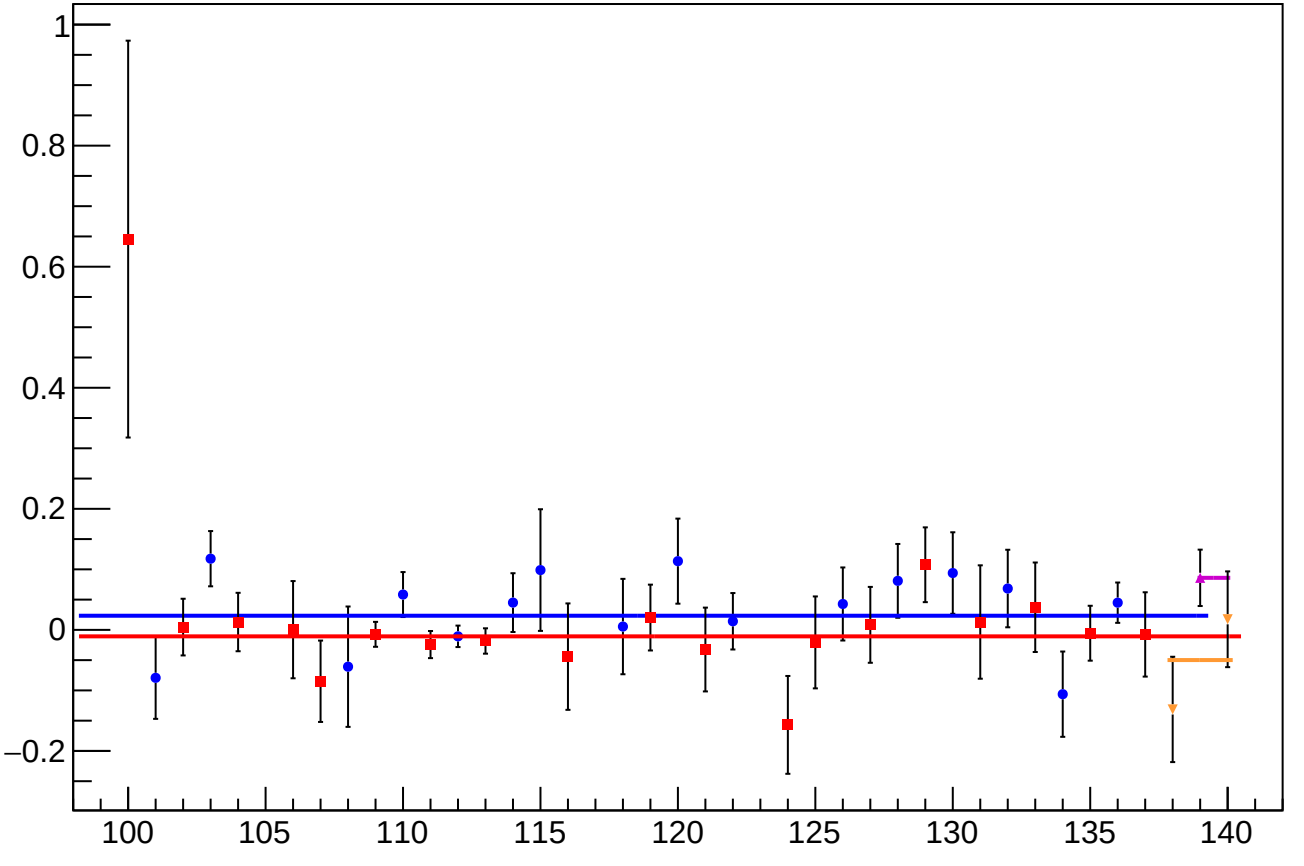
In: 0.027+/-0.011 χ^2/NDF:22.4/16

Out: -0.012+/-0.010 χ^2/NDF:16.3/20

All: 0.005+/-0.007 χ^2/NDF: 45.8/37


asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 25.334+/-0.008 χ²/NDF: 2925132.2/15
Left Out: 70.799+/-0.041 χ²/NDF:1358.7/1
Right Out: 22.571+/-0.007 χ²/NDF: 3139937.1/18
Left In: 41.281+/-0.033 χ²/NDF:0.0/0
Left: 52.722+/-0.026 χ²/NDF: 312791.8/2
Right: 23.786+/-0.005 χ²/NDF: 6134886.6/34
In: 26.187+/-0.008 χ²/NDF:3147134.6/16
Out: 23.887+/-0.007 χ²/NDF:4461818.5/20
All: 24.913+/-0.005 χ²/NDF: 7659463.3/37

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.050+/-0.059 χ^2/NDF:1.6/1

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.086+/-0.047 χ^2/NDF:0.0/0

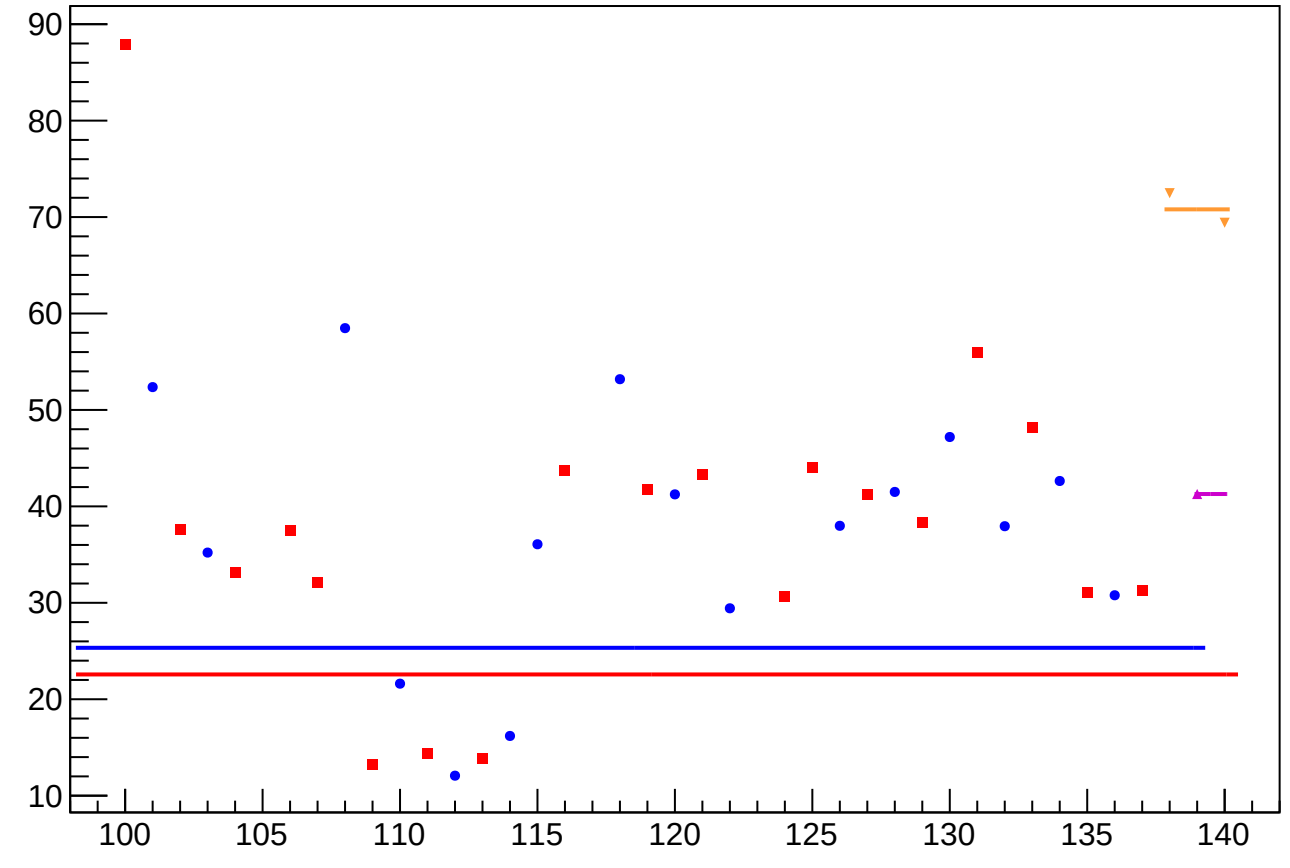
Left: 0.033+/-0.036 χ^2/NDF: 4.9/2

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.027+/-0.011 χ^2/NDF:22.4/16

Out: -0.012+/-0.010 χ^2/NDF:16.3/20

All: 0.005+/-0.007 χ^2/NDF: 45.8/37



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 70.799+/-0.041 χ^2/NDF:1358.7/1

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 41.281+/-0.033 χ^2/NDF:0.0/0

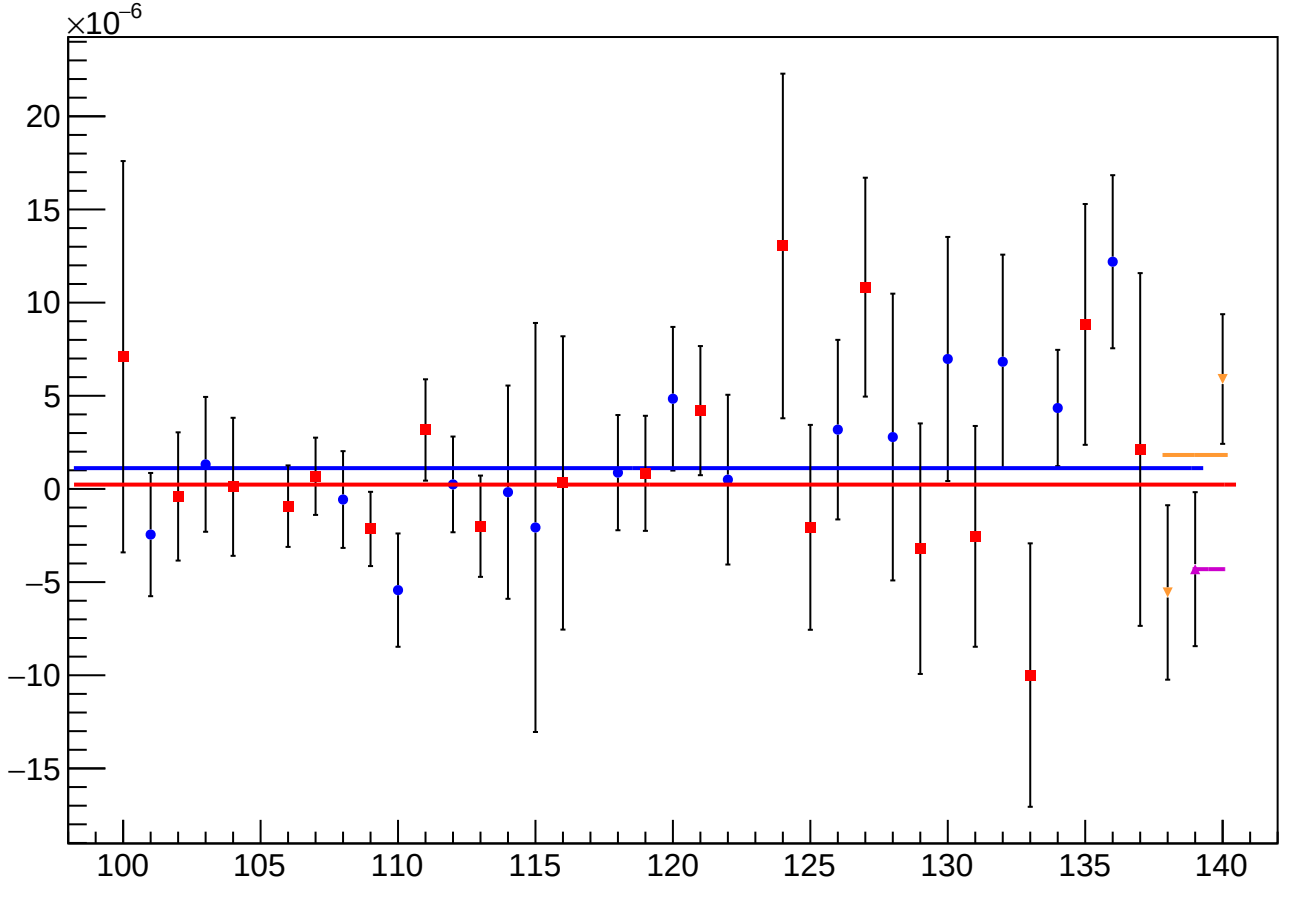
Left: 52.722+/-0.026 χ^2/NDF: 312791.8/2

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 26.187+/-0.008 χ^2/NDF:3147134.6/16

Out: 23.887+/-0.007 χ^2/NDF:4461818.5/20

All: 24.913+/-0.005 χ^2/NDF: 7659463.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

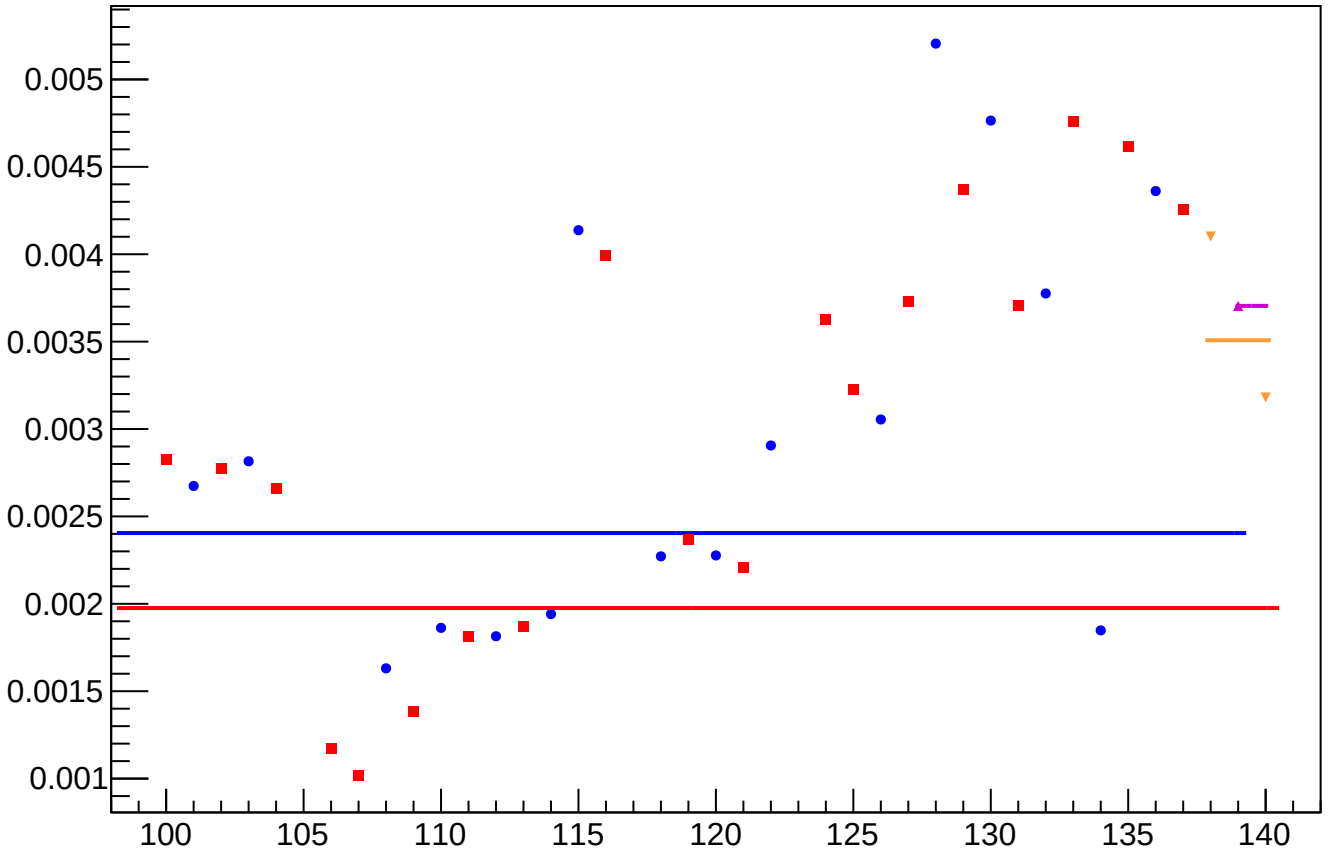
Left: -0.000+/-0.000 χ^2/NDF: 5.4/2

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:17.8/16

Out: 0.000+/-0.000 χ^2/NDF:19.3/20

All: 0.000+/-0.000 χ^2/NDF: 37.3/37



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:49853.3/1

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.004+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 52955.7/2

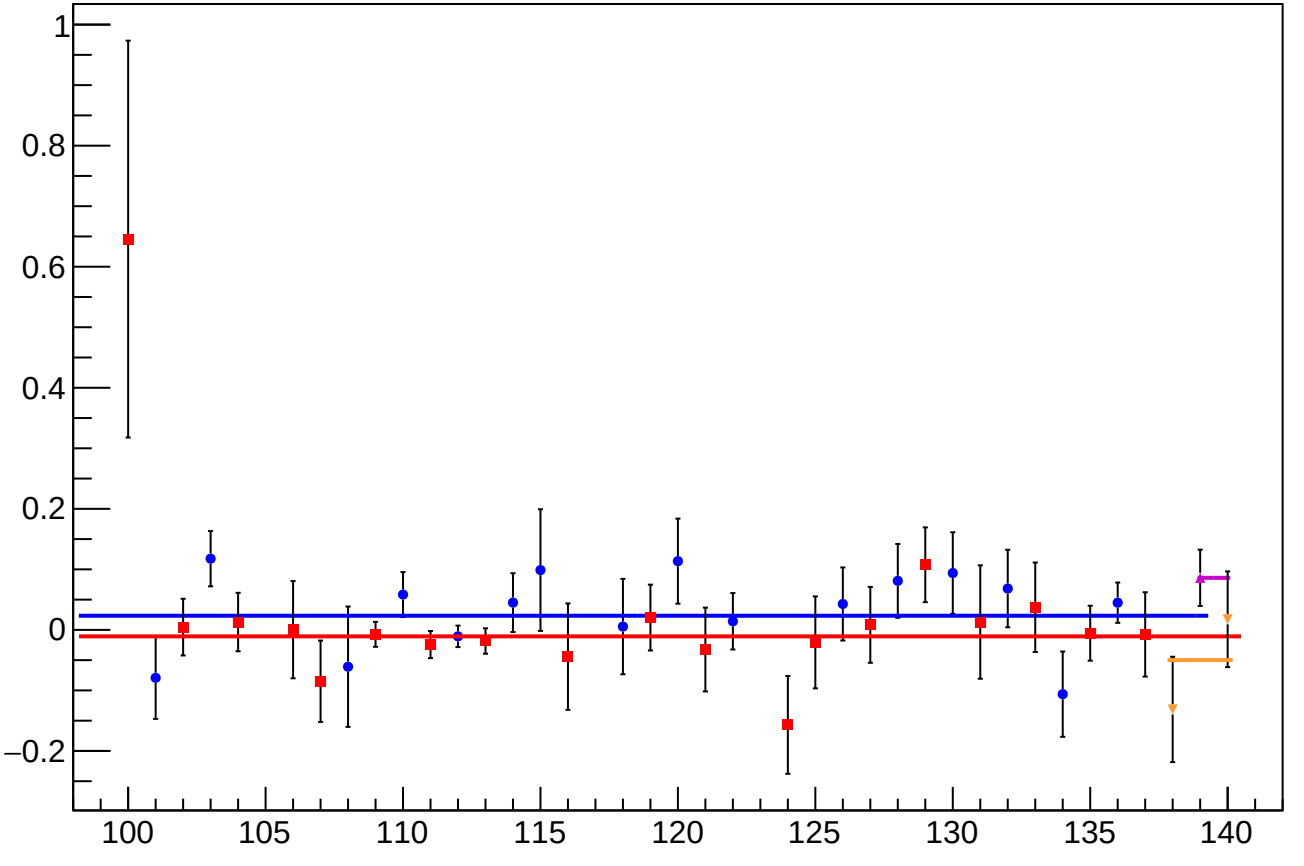
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:1759740.1/16

Out: 0.002+/-0.000 χ^2/NDF:3380234.2/20

All: 0.002+/-0.000 χ^2/NDF: 5331186.0/37

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.050+/-0.059 χ^2/NDF:1.6/1

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.086+/-0.047 χ^2/NDF:0.0/0

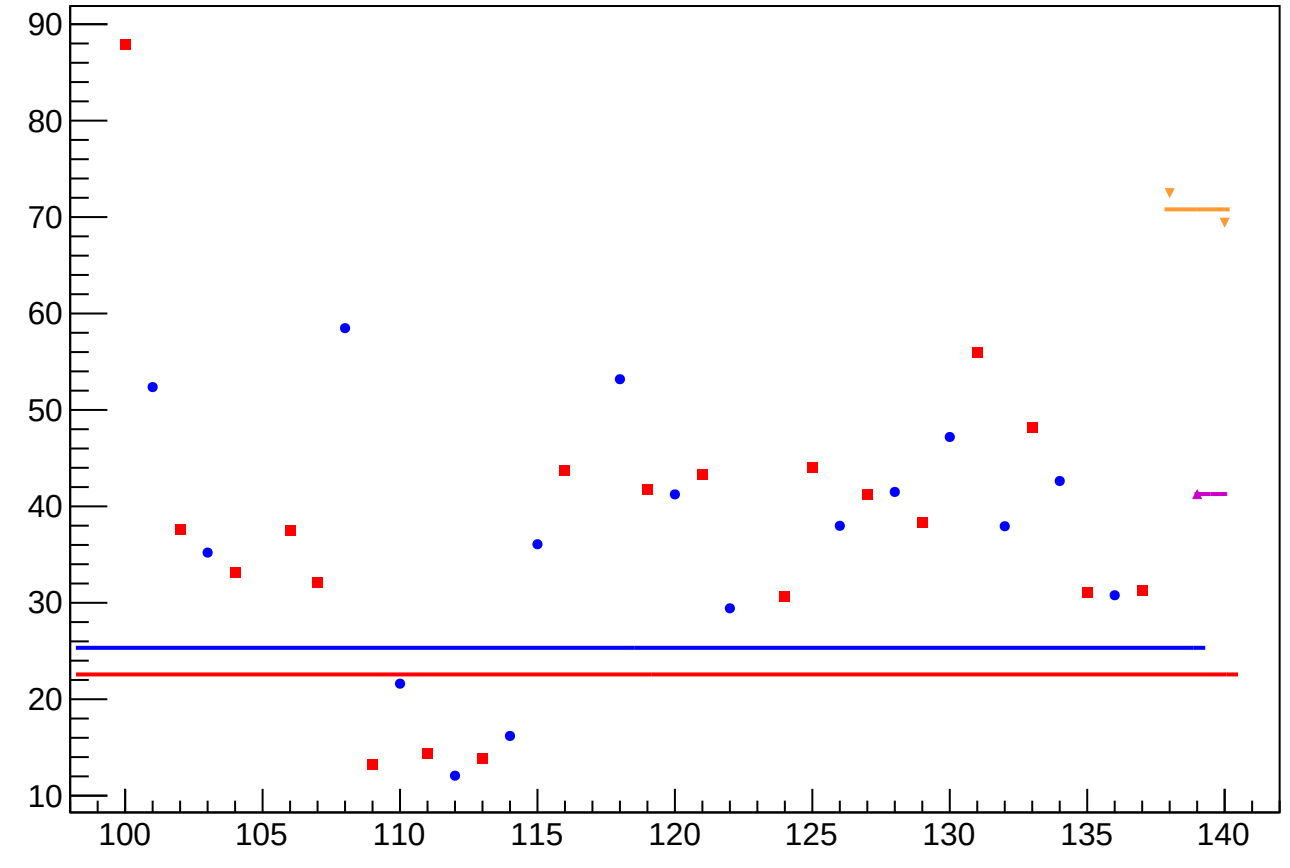
Left: 0.033+/-0.036 χ^2/NDF: 4.9/2

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.027+/-0.011 χ^2/NDF:22.4/16

Out: -0.012+/-0.010 χ^2/NDF:16.3/20

All: 0.005+/-0.007 χ^2/NDF: 45.8/37



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 70.799+/-0.041 χ^2/NDF:1357.4/1

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 41.281+/-0.033 χ^2/NDF:0.0/0

Left: 52.722+/-0.026 χ^2/NDF: 312807.3/2

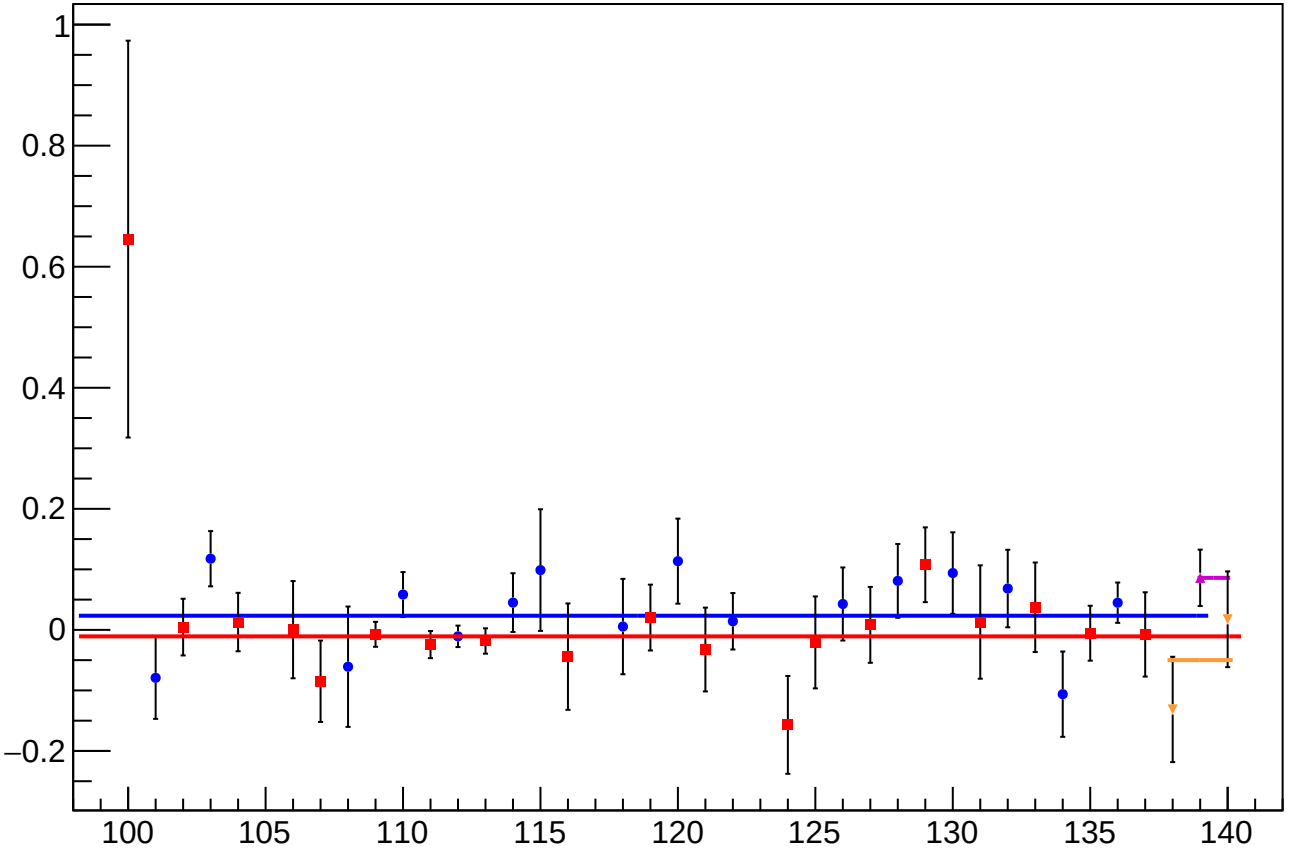
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 26.185+/-0.008 χ^2/NDF:3147578.8/16

Out: 23.886+/-0.007 χ^2/NDF:4461979.0/20

All: 24.912+/-0.005 χ^2/NDF: 7660026.9/37

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.050+/-0.059 χ^2/NDF:1.6/1

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.086+/-0.047 χ^2/NDF:0.0/0

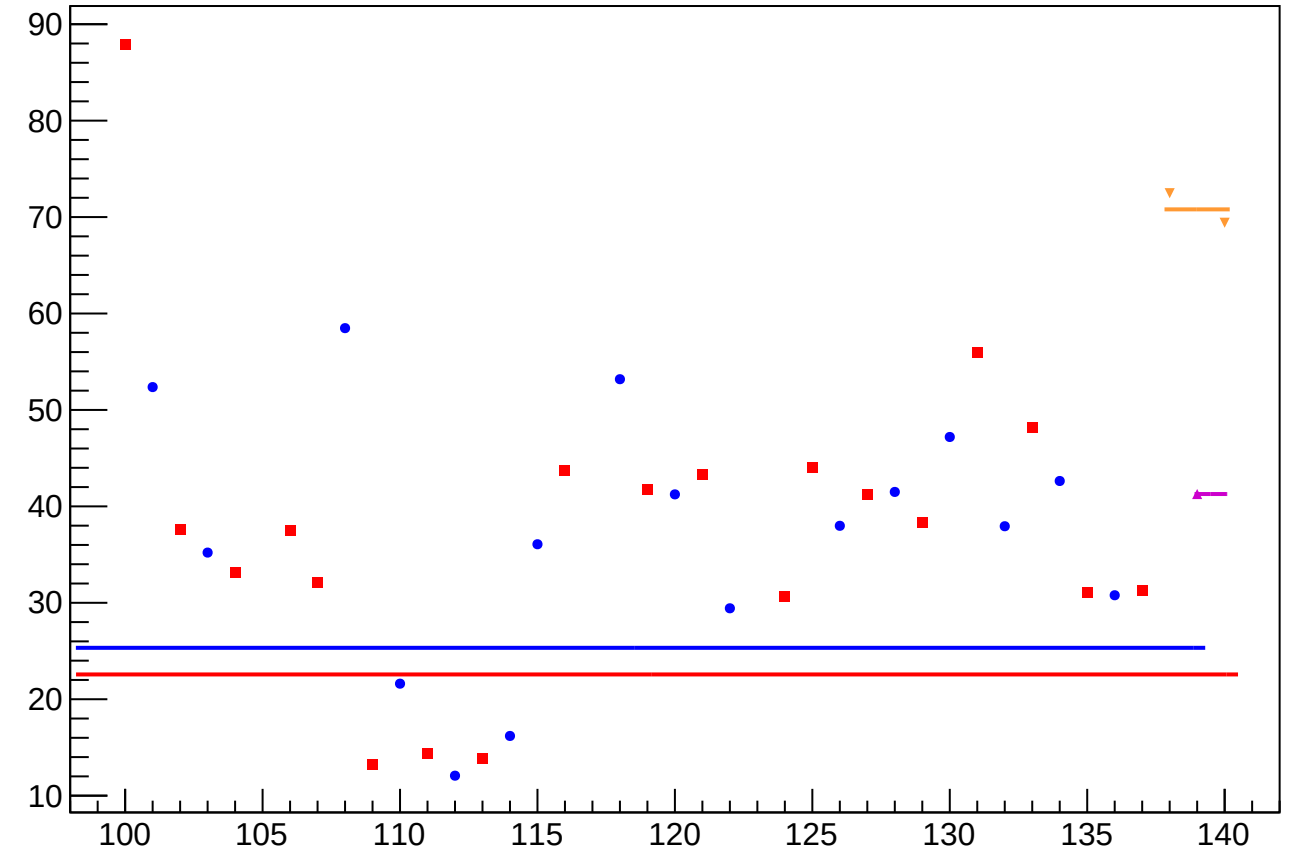
Left: 0.033+/-0.036 χ^2/NDF: 4.9/2

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.027+/-0.011 χ^2/NDF:22.4/16

Out: -0.012+/-0.010 χ^2/NDF:16.3/20

All: 0.005+/-0.007 χ^2/NDF: 45.8/37



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 70.799+/-0.041 χ^2/NDF:1357.4/1

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 41.281+/-0.033 χ^2/NDF:0.0/0

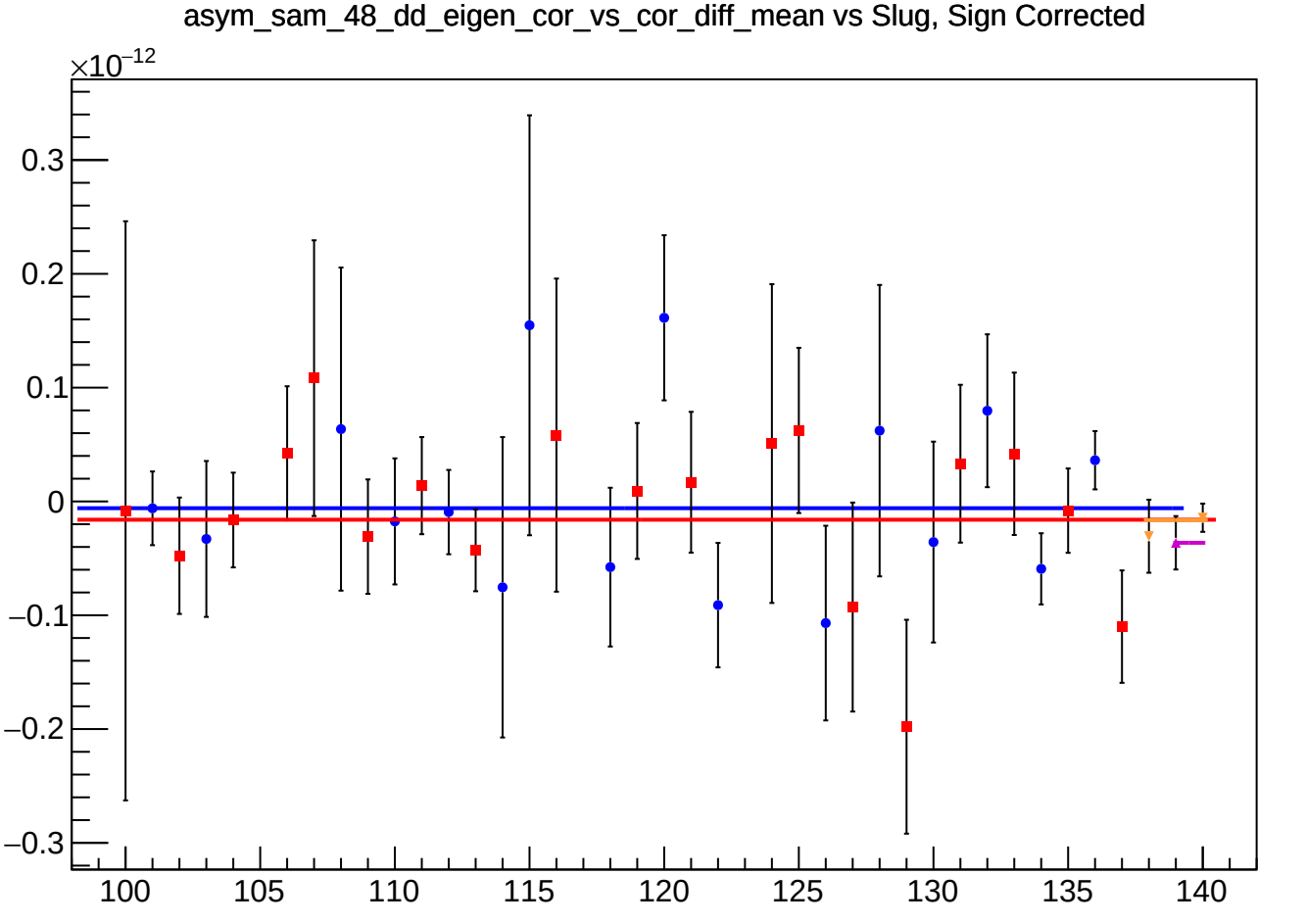
Left: 52.722+/-0.026 χ^2/NDF: 312807.3/2

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 26.185+/-0.008 χ^2/NDF:3147578.8/16

Out: 23.886+/-0.007 χ^2/NDF:4461979.0/20

All: 24.912+/-0.005 χ^2/NDF: 7660026.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

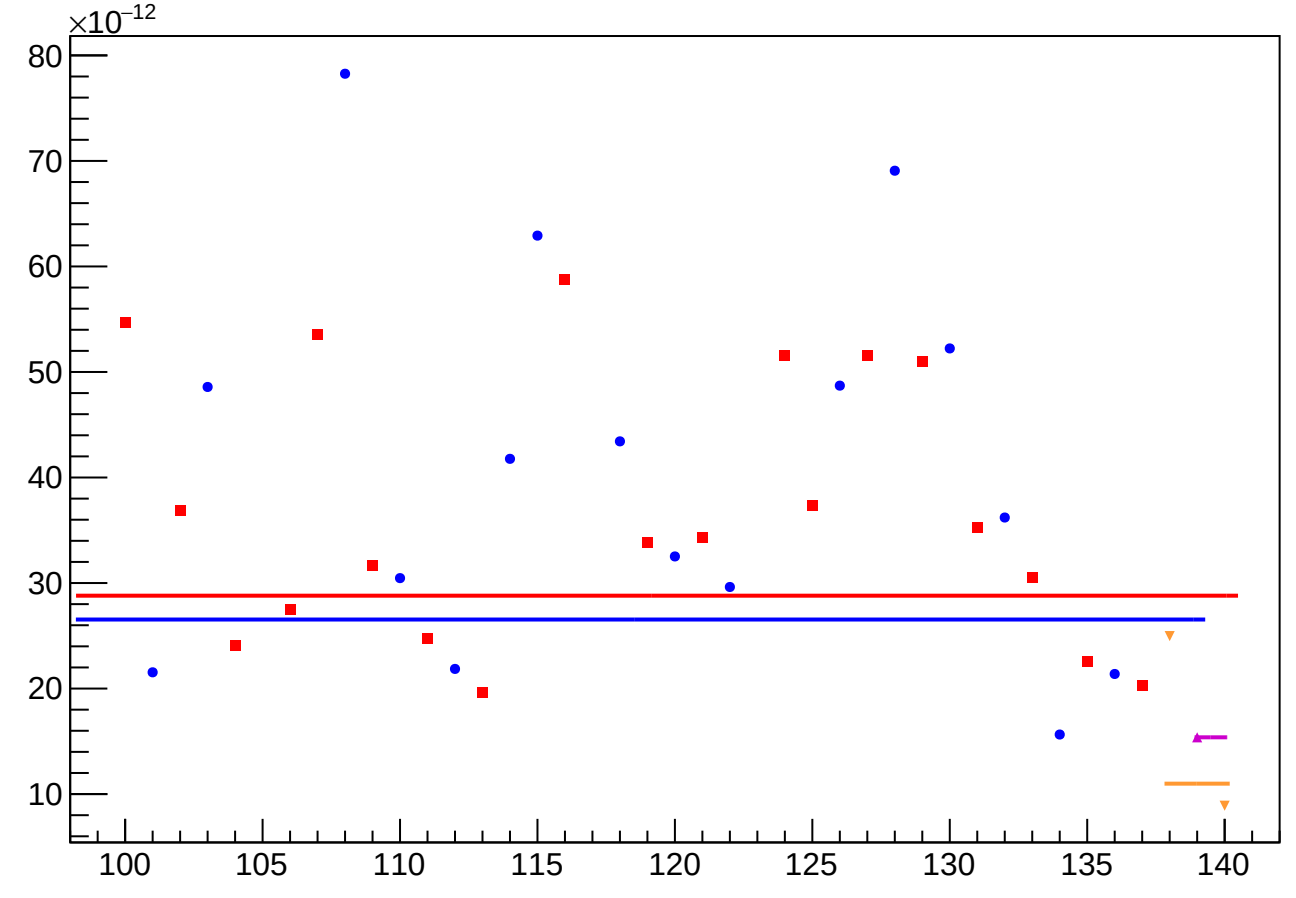
Left: -0.000+/-0.000 χ^2/NDF: 0.8/2

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:20.1/16

Out: -0.000+/-0.000 χ^2/NDF:15.2/20

All: -0.000+/-0.000 χ^2/NDF: 35.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:436219.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

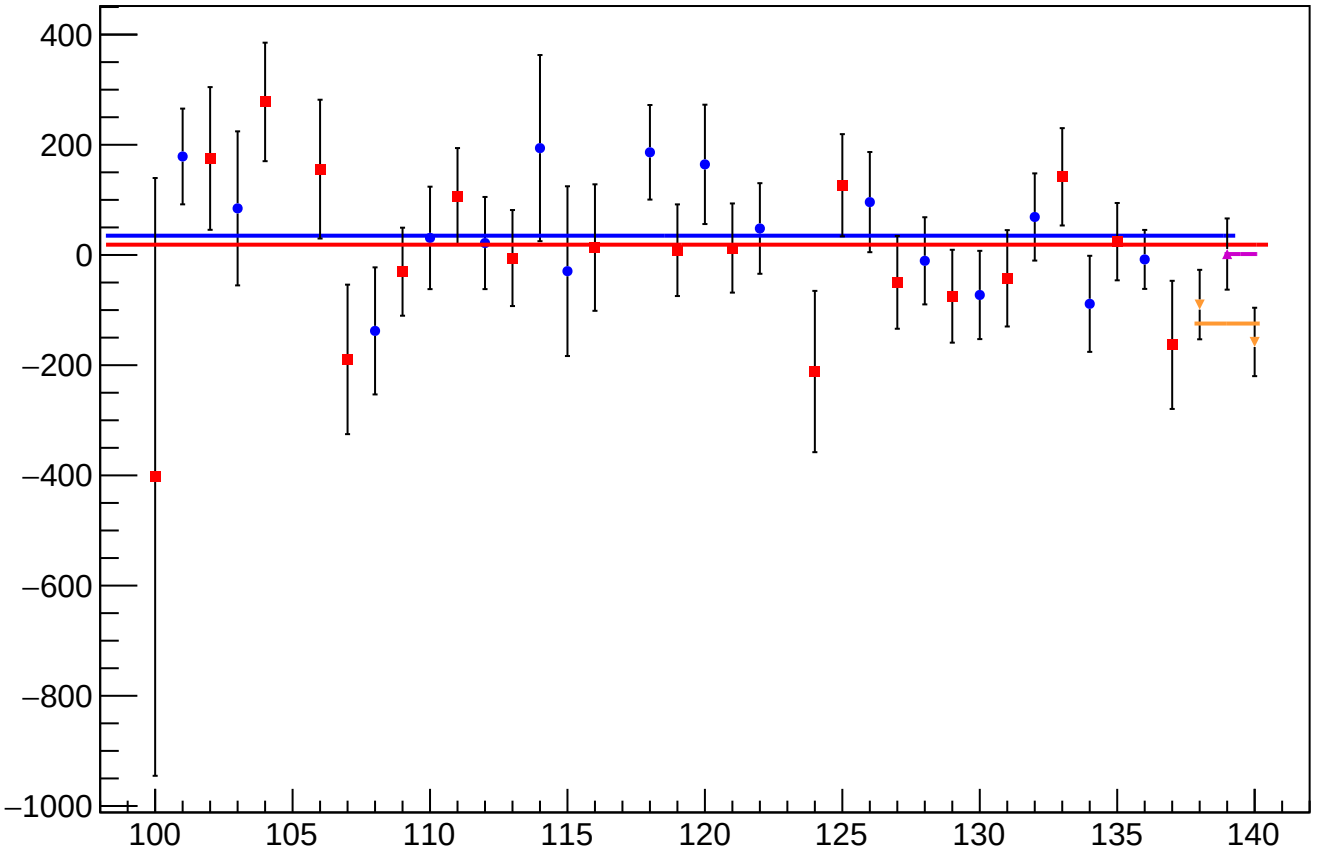
Left: 0.000+/-0.000 χ^2/NDF: 492606.3/2

Right: 0.000+/-0.000 χ^2/NDF: 2634482.2/34

In: 0.000+/-0.000 χ^2/NDF:2043611.7/16

Out: 0.000+/-0.000 χ^2/NDF:3389815.8/20

All: 0.000+/-0.000 χ^2/NDF: 5716816.9/37



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -124.437+/-44.225 χ^2/NDF:0.6/1

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: 1.700+/-64.622 χ^2/NDF:0.0/0

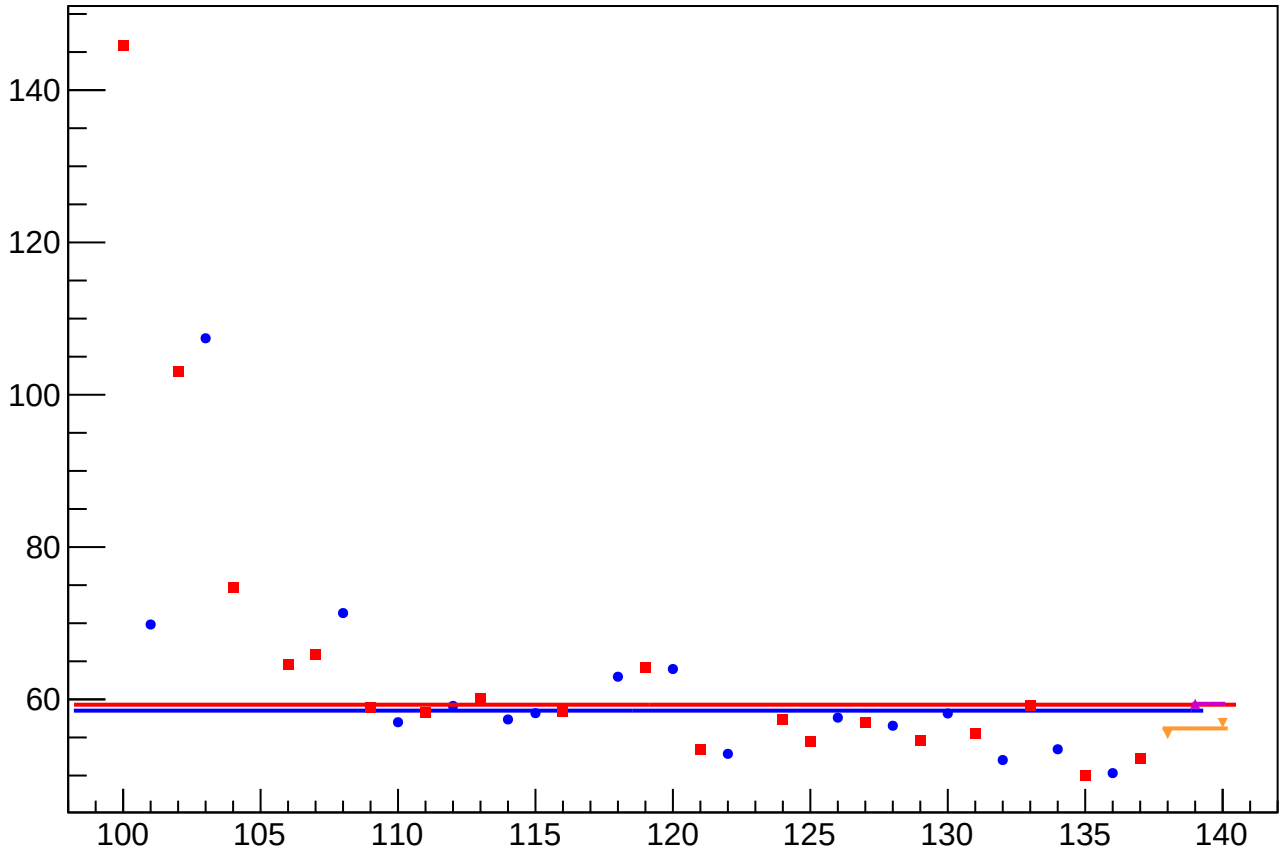
Left: -84.204+/-36.497 χ^2/NDF: 3.2/2

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: 31.520+/-20.940 χ^2/NDF:16.4/16

Out: -9.986+/-19.796 χ^2/NDF:32.5/20

All: 9.602+/-14.385 χ^2/NDF: 51.0/37



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.187+/-0.031 χ^2/NDF:537.5/1

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 59.424+/-0.046 χ^2/NDF:0.0/0

Left: 57.220+/-0.026 χ^2/NDF: 3954.7/2

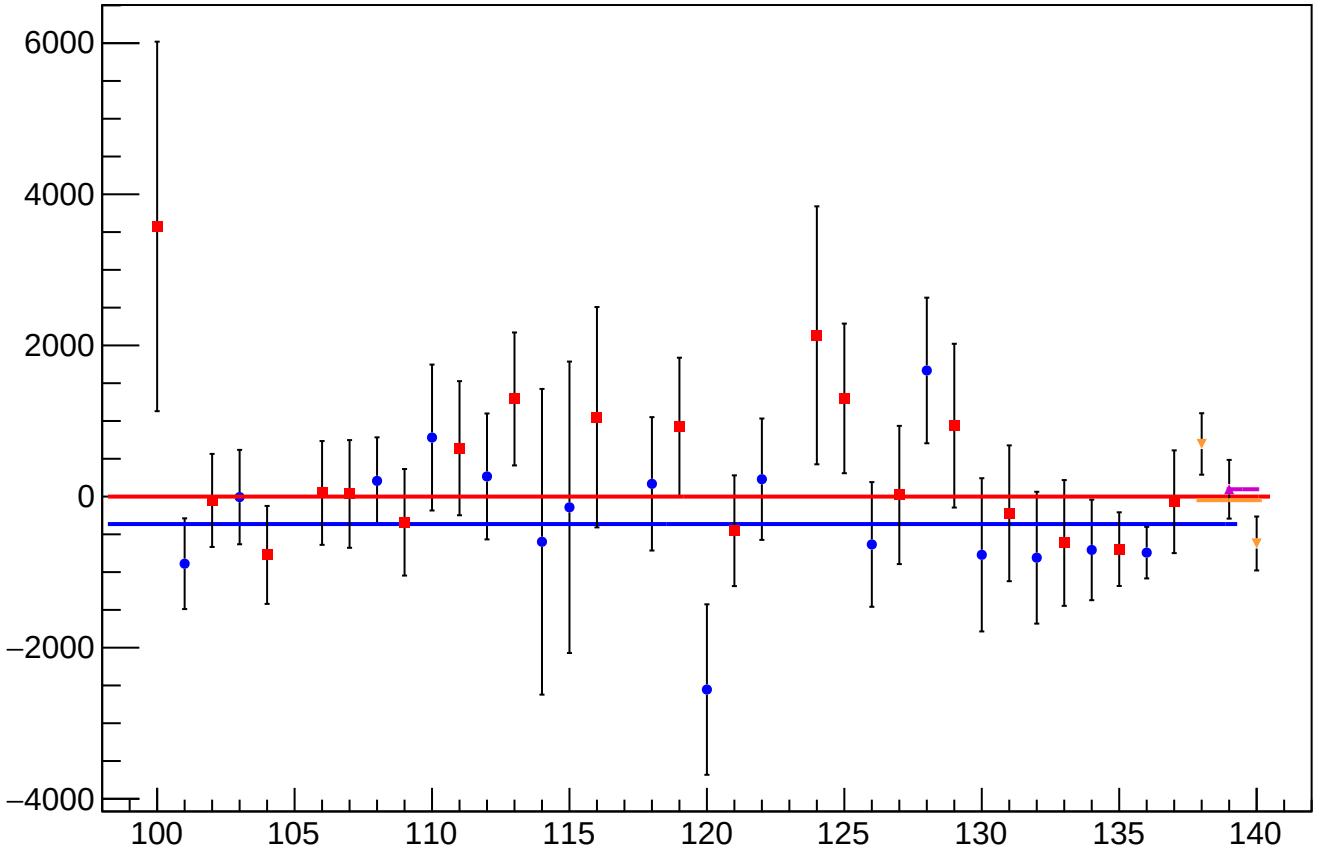
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.616+/-0.015 χ^2/NDF:393091.6/16

Out: 58.677+/-0.014 χ^2/NDF:415077.9/20

All: 58.649+/-0.010 χ^2/NDF: 808178.4/37

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -48.198+/-268.231 χ^2/NDF:5.9/1

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 96.440+/-388.628 χ^2/NDF:0.0/0

Left: -1.528+/-220.755 χ^2/NDF: 6.0/2

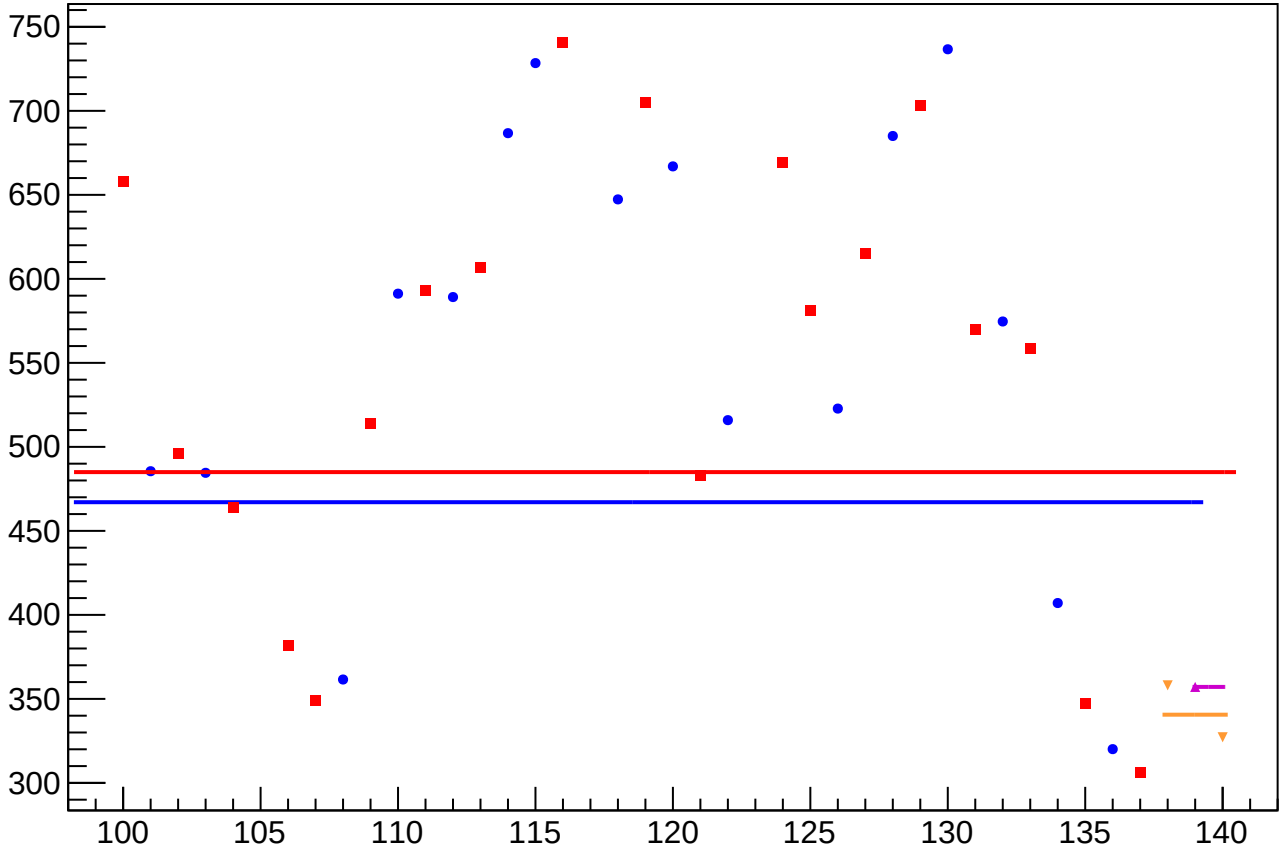
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -282.287+/-163.780 χ^2/NDF:16.4/16

Out: -15.707+/-151.217 χ^2/NDF:21.0/20

All: -138.382+/-111.103 χ^2/NDF: 38.8/37

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 340.597+/-0.190 χ^2/NDF:6527.8/1

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 357.130+/-0.275 χ^2/NDF:0.0/0

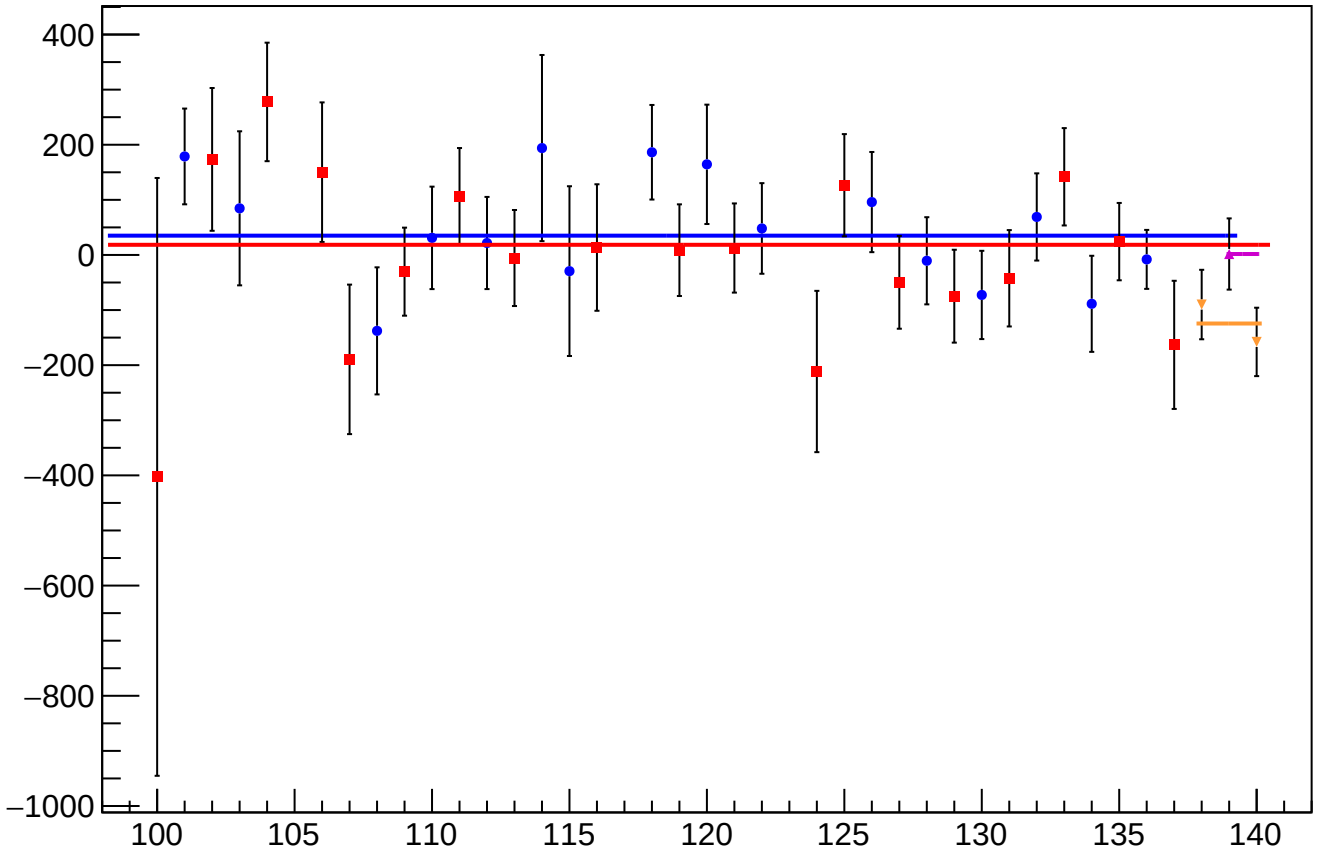
Left: 345.932+/-0.156 χ^2/NDF: 8979.4/2

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 447.543+/-0.116 χ^2/NDF:1161904.5/16

Out: 439.093+/-0.107 χ^2/NDF:1275951.3/20

All: 442.981+/-0.079 χ^2/NDF: 2440729.5/37



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -124.430+/-44.225 χ^2/NDF:0.6/1

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: 1.708+/-64.622 χ^2/NDF:0.0/0

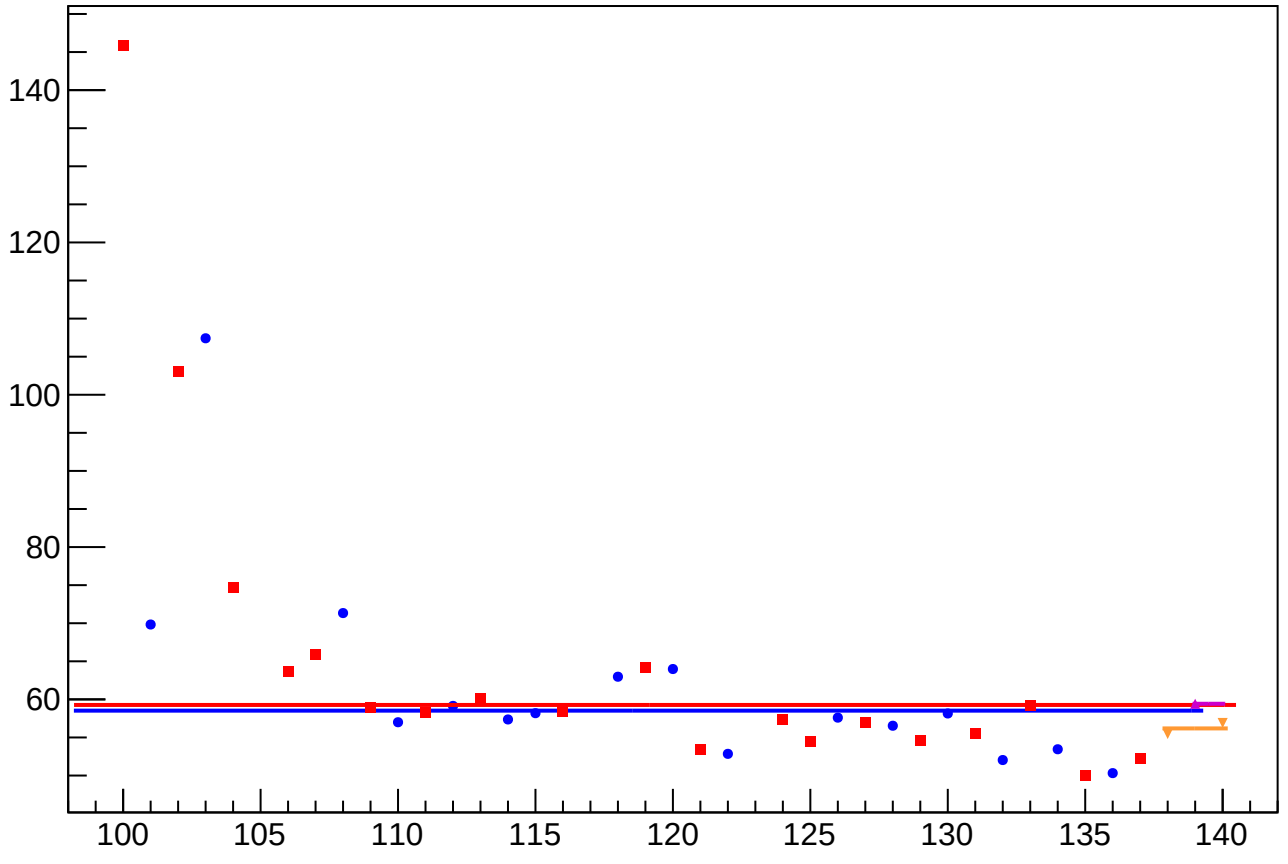
Left: -84.197+/-36.497 χ^2/NDF: 3.2/2

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: 31.520+/-20.940 χ^2/NDF:16.4/16

Out: -10.212+/-19.798 χ^2/NDF:32.3/20

All: 9.485+/-14.386 χ^2/NDF: 50.8/37



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.187+/-0.031 χ^2/NDF:537.5/1

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 59.424+/-0.046 χ^2/NDF:0.0/0

Left: 57.220+/-0.026 χ^2/NDF: 3954.7/2

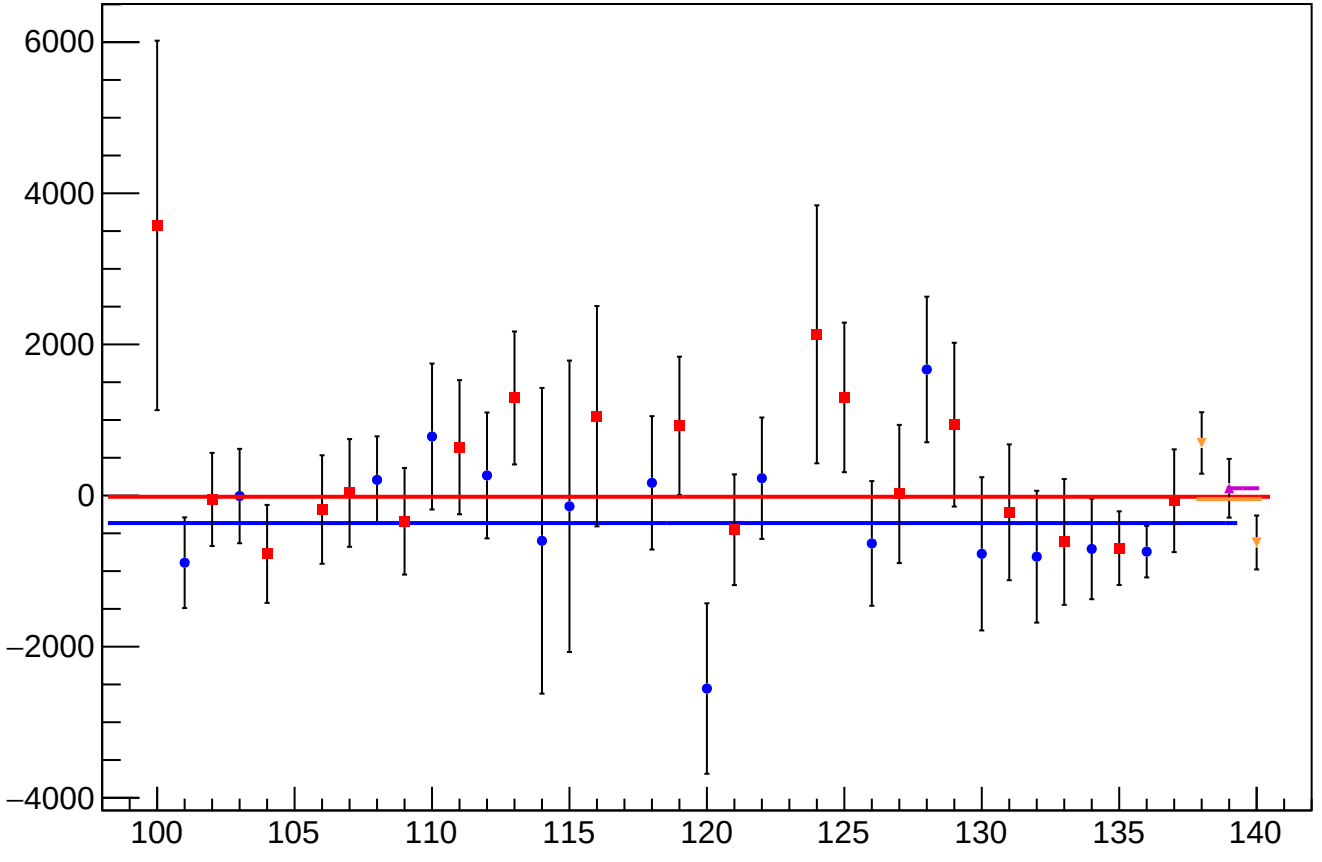
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.616+/-0.015 χ^2/NDF:393093.6/16

Out: 58.652+/-0.014 χ^2/NDF:413920.9/20

All: 58.635+/-0.010 χ^2/NDF: 807017.5/37

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -48.204+/-268.231 χ^2/NDF:5.9/1

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 96.446+/-388.628 χ^2/NDF:0.0/0

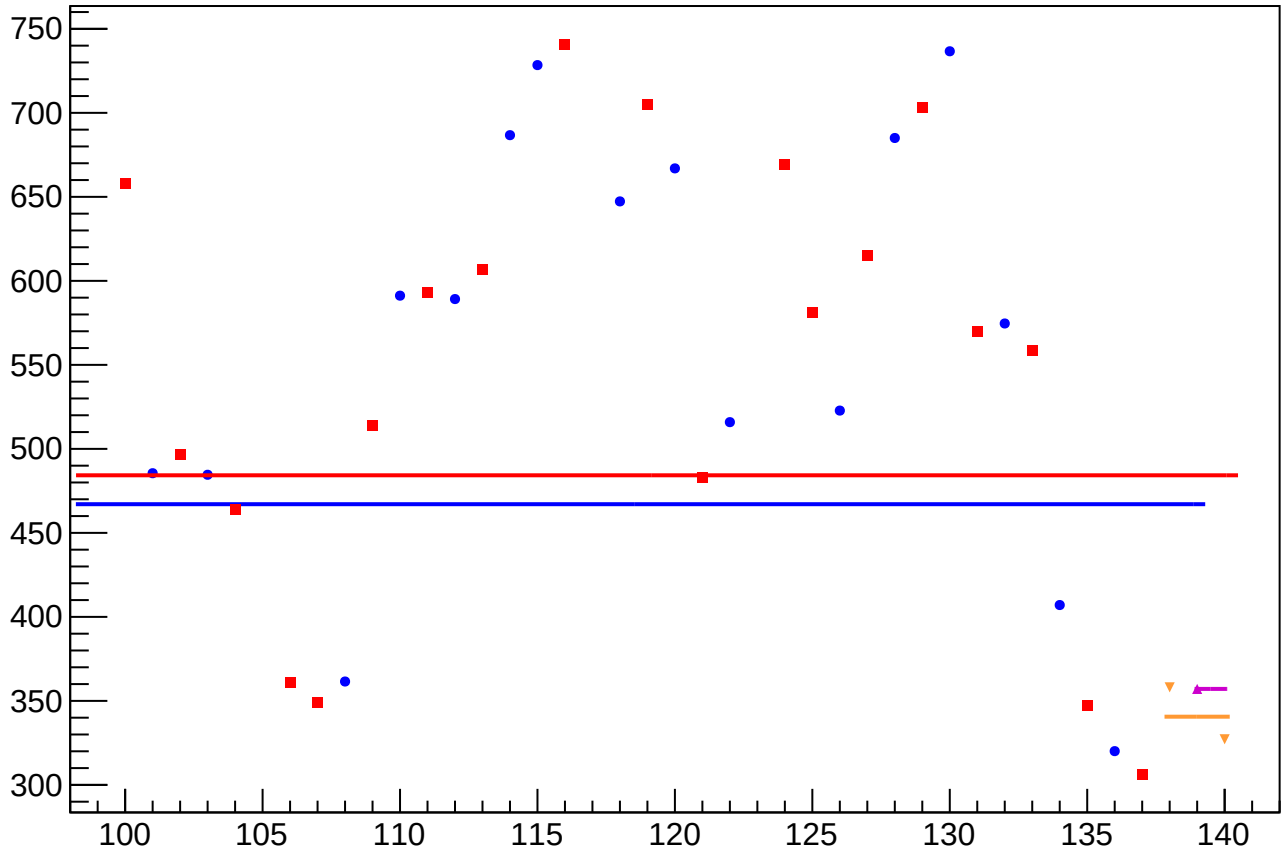
Left: -1.530+/-220.755 χ^2/NDF: 6.0/2

Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -282.255+/-163.780 χ^2/NDF:16.4/16

Out: -26.337+/-151.535 χ^2/NDF:21.1/20

All: -144.373+/-111.229 χ^2/NDF: 38.8/37



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 340.597+/-0.190 χ^2/NDF:6528.1/1

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 357.130+/-0.275 χ^2/NDF:0.0/0

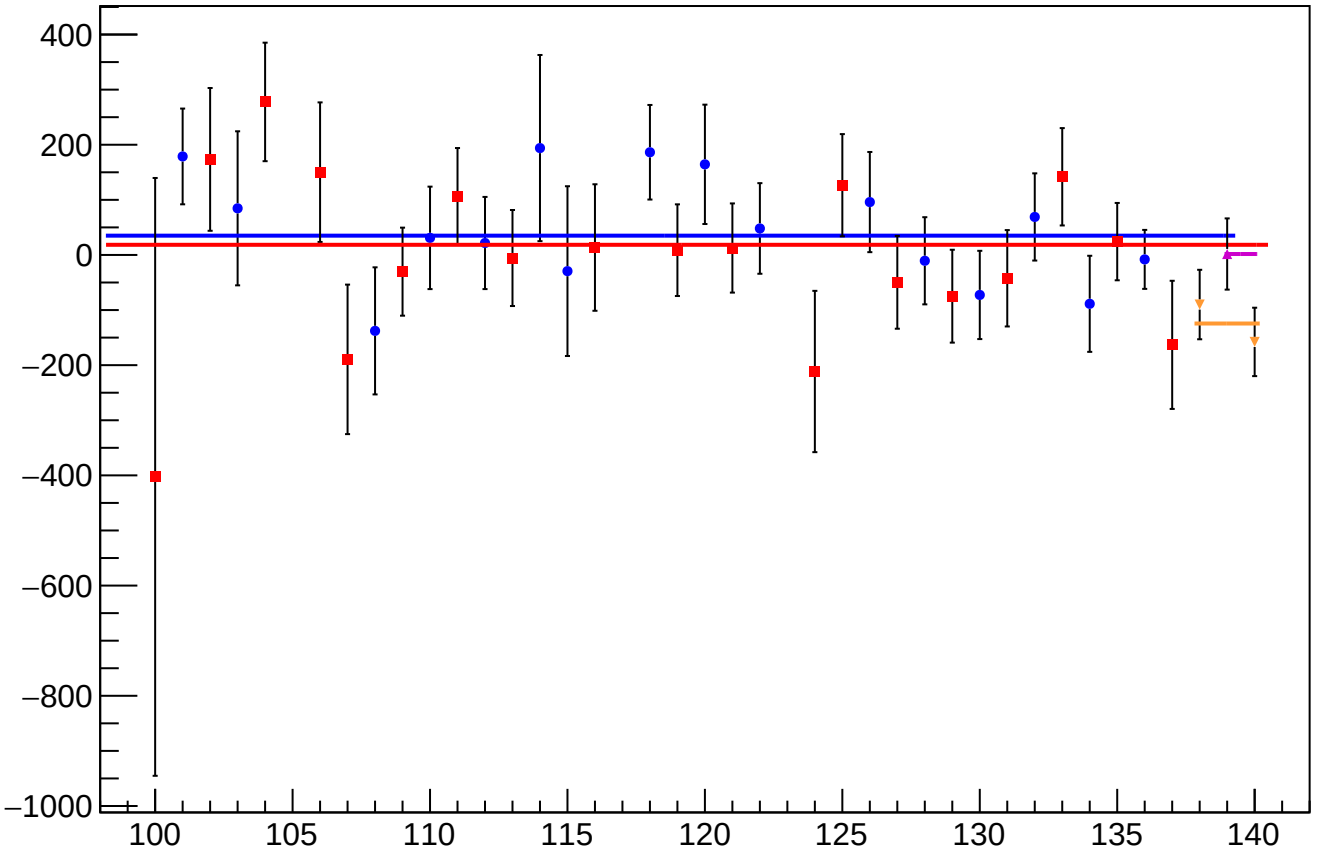
Left: 345.932+/-0.156 χ^2/NDF: 8979.7/2

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 447.544+/-0.116 χ^2/NDF:1161912.9/16

Out: 438.418+/-0.107 χ^2/NDF:1286012.0/20

All: 442.627+/-0.079 χ^2/NDF: 2451271.2/37



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -124.430+/-44.225 χ^2/NDF:0.6/1

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: 1.708+/-64.622 χ^2/NDF:0.0/0

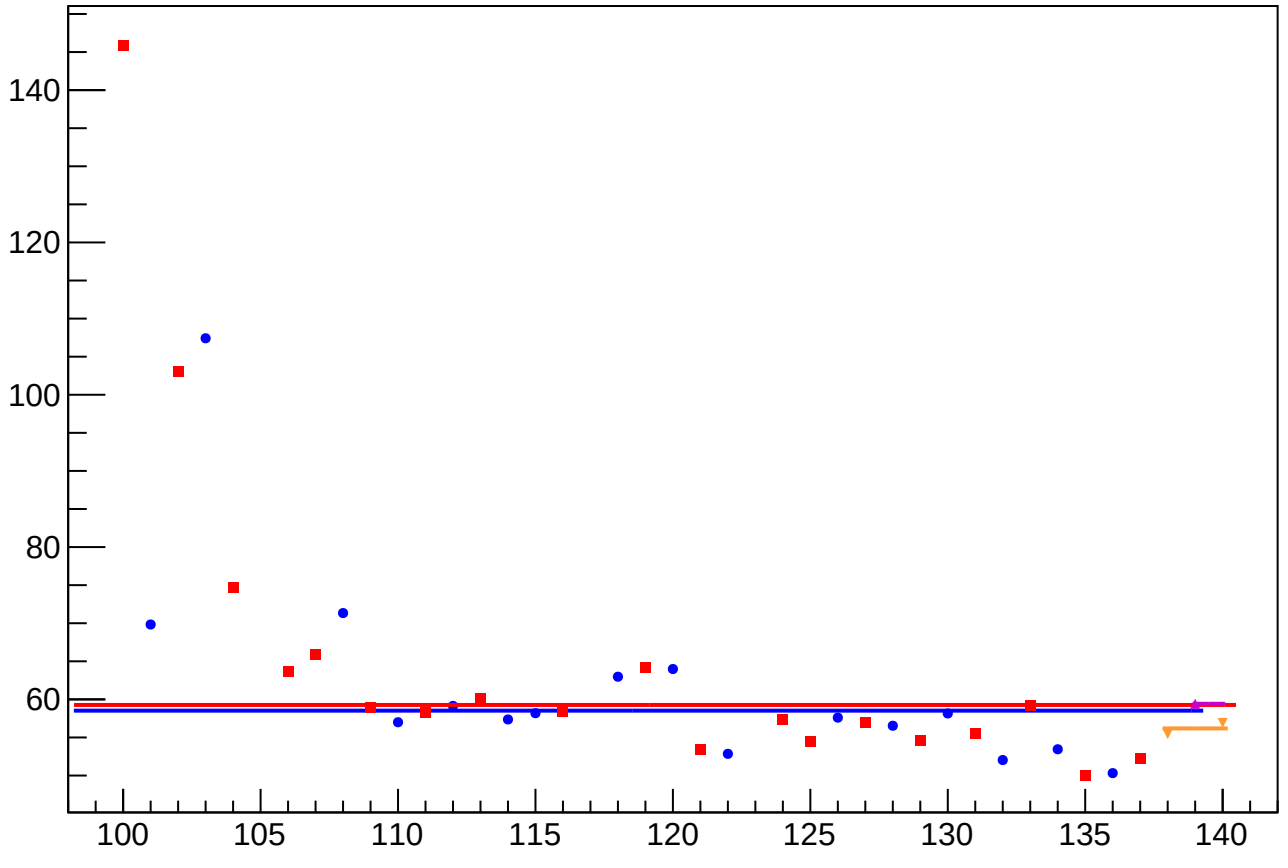
Left: -84.197+/-36.497 χ^2/NDF: 3.2/2

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: 31.520+/-20.940 χ^2/NDF:16.4/16

Out: -10.212+/-19.798 χ^2/NDF:32.3/20

All: 9.485+/-14.386 χ^2/NDF: 50.8/37



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.187+/-0.031 χ^2/NDF:537.5/1

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 59.424+/-0.046 χ^2/NDF:0.0/0

Left: 57.220+/-0.026 χ^2/NDF: 3954.7/2

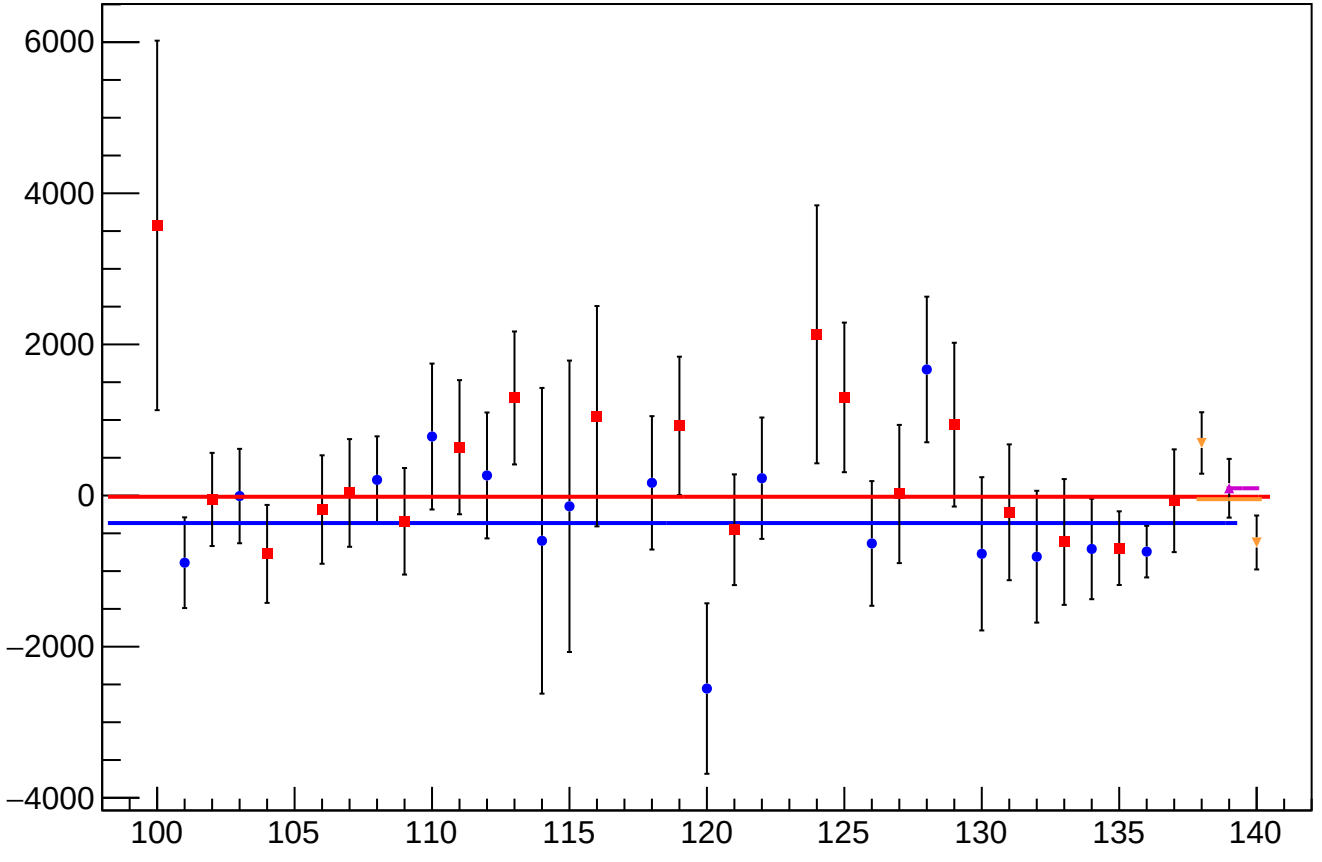
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.616+/-0.015 χ^2/NDF:393093.6/16

Out: 58.652+/-0.014 χ^2/NDF:413920.9/20

All: 58.635+/-0.010 χ^2/NDF: 807017.5/37

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: -48.204+/-268.231 χ^2/NDF:5.9/1

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 96.446+/-388.628 χ^2/NDF:0.0/0

Left: -1.530+/-220.755 χ^2/NDF: 6.0/2

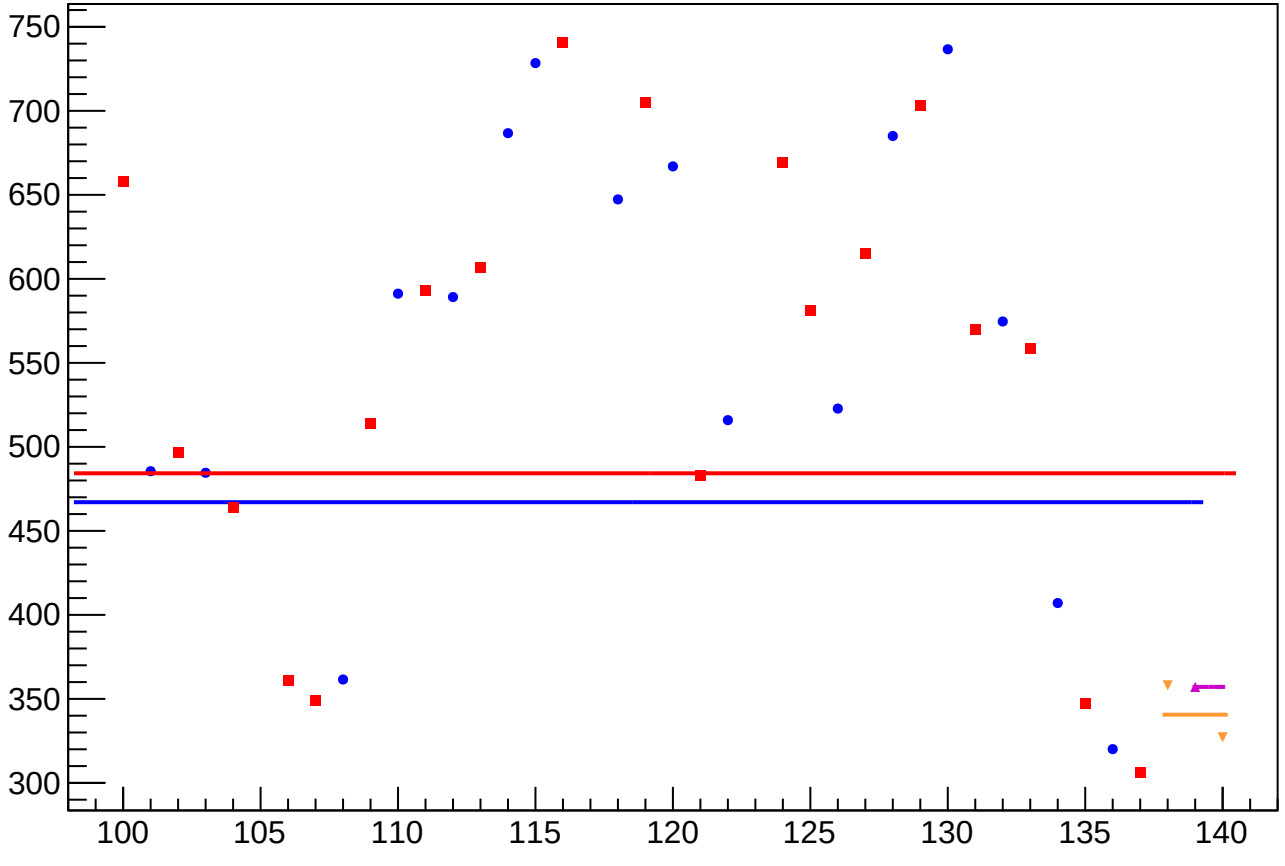
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -282.255+/-163.780 χ^2/NDF:16.4/16

Out: -26.337+/-151.535 χ^2/NDF:21.1/20

All: -144.373+/-111.229 χ^2/NDF: 38.8/37

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 340.597+/-0.190 χ^2/NDF:6528.1/1

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 357.130+/-0.275 χ^2/NDF:0.0/0

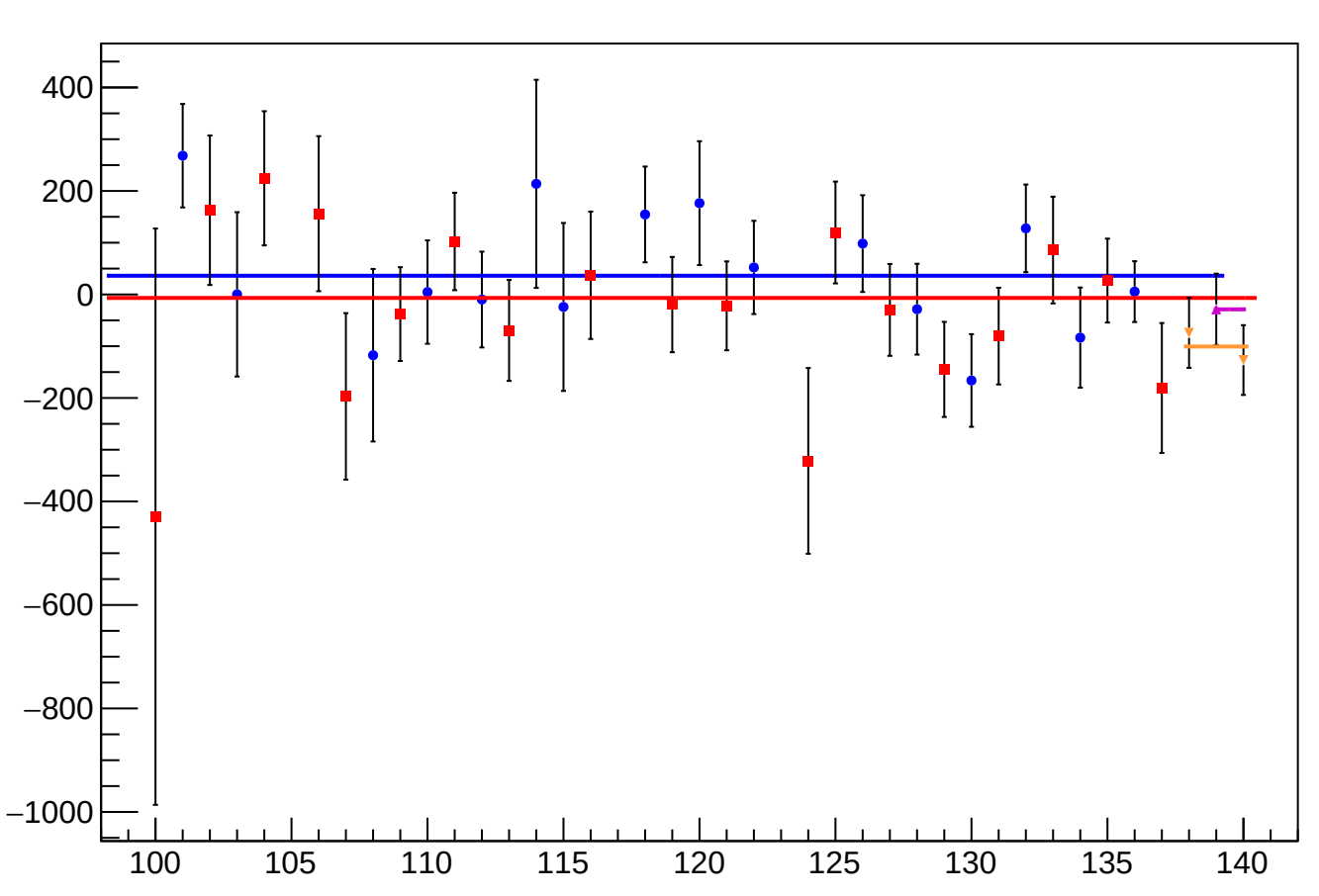
Left: 345.932+/-0.156 χ^2/NDF: 8979.7/2

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 447.544+/-0.116 χ^2/NDF:1161912.9/16

Out: 438.418+/-0.107 χ^2/NDF:1286012.0/20

All: 442.627+/-0.079 χ^2/NDF: 2451271.2/37



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -100.572+/-47.766 χ^2/NDF:0.3/1

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -28.752+/-68.911 χ^2/NDF:0.0/0

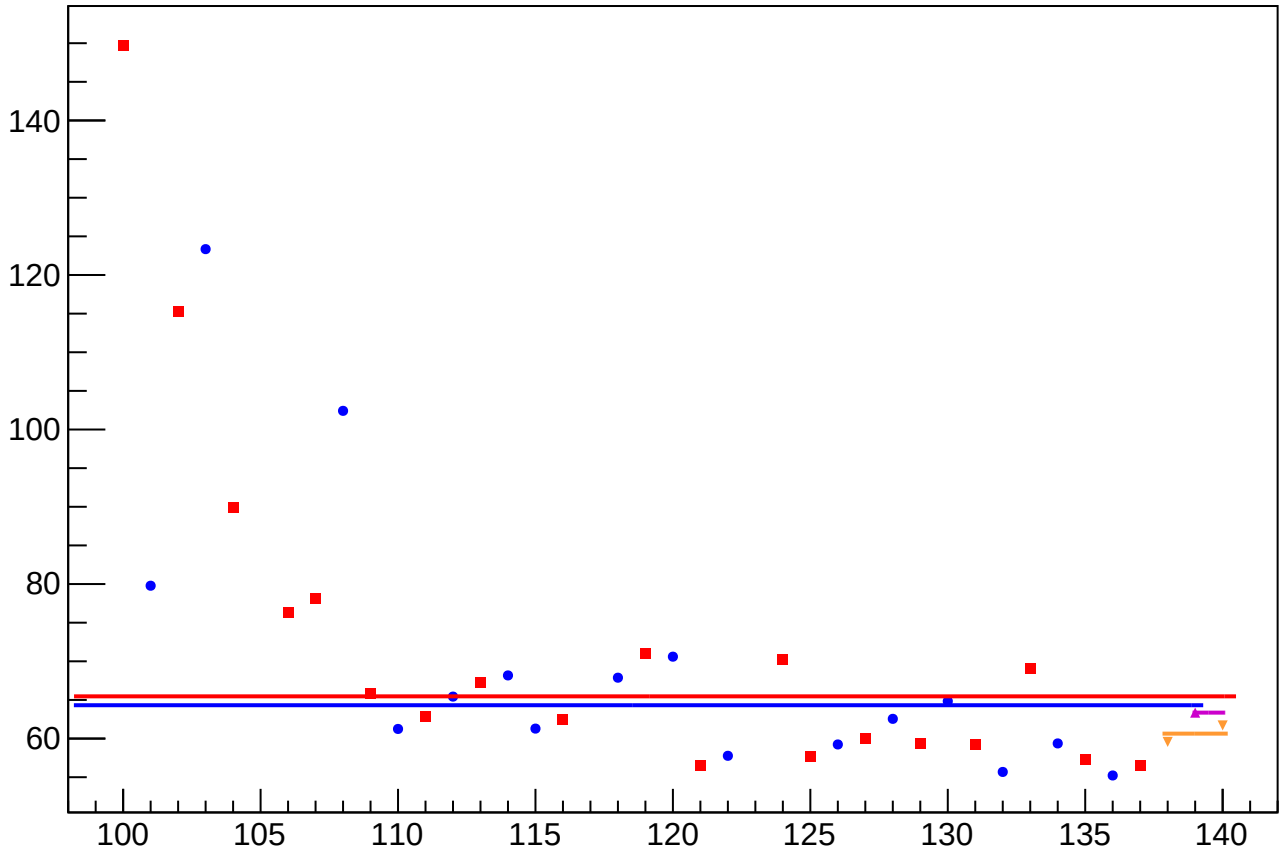
Left: -77.264+/-39.257 χ^2/NDF: 1.0/2

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: 28.888+/-23.060 χ^2/NDF:20.4/16

Out: -26.362+/-21.845 χ^2/NDF:23.7/20

All: -0.231+/-15.859 χ^2/NDF: 47.2/37



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 60.640+/-0.034 χ^2/NDF:995.1/1

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.358+/-0.049 χ^2/NDF:0.0/0

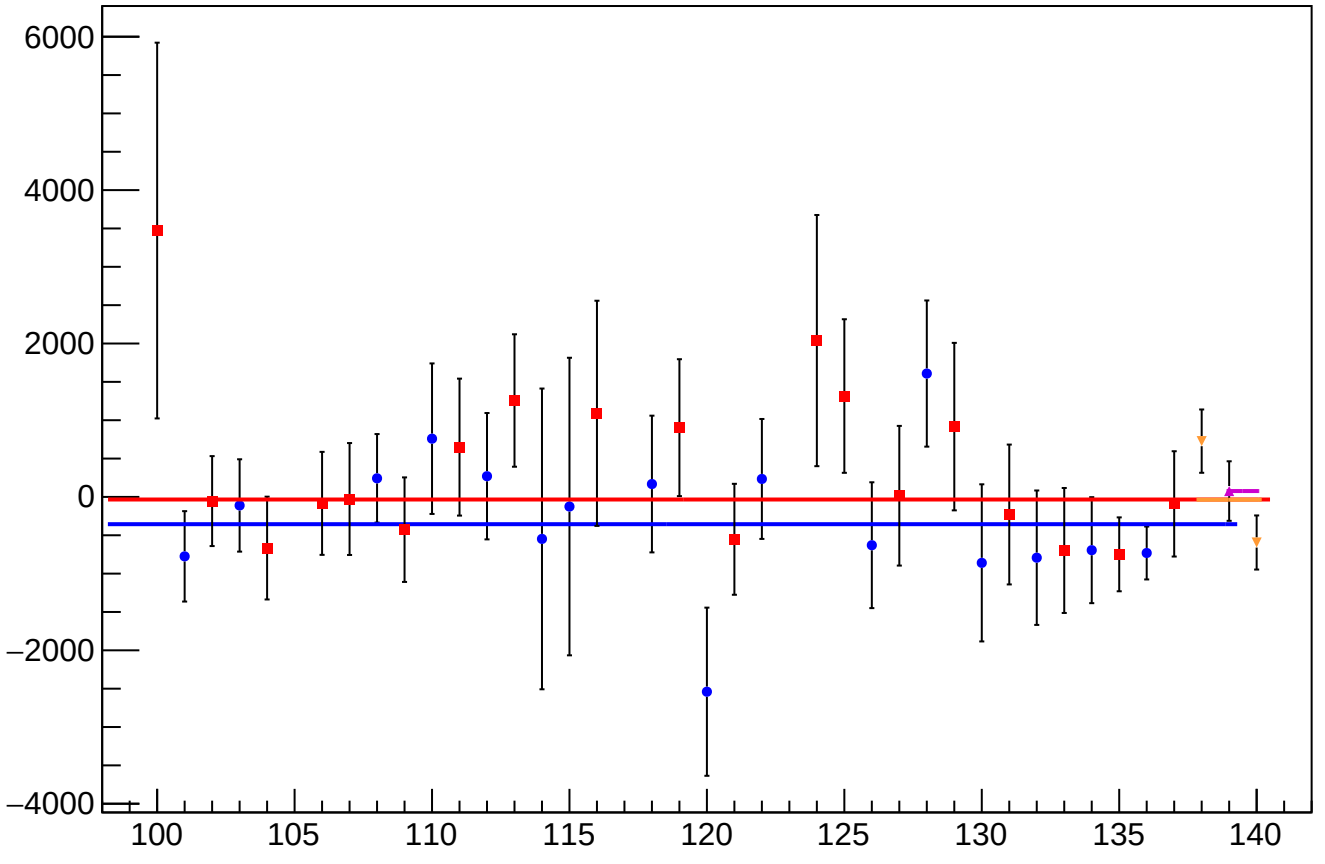
Left: 61.522+/-0.028 χ^2/NDF: 3096.3/2

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 64.209+/-0.016 χ^2/NDF:532408.6/16

Out: 64.457+/-0.015 χ^2/NDF:499501.9/20

All: 64.340+/-0.011 χ^2/NDF: 1032032.2/37



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -36.446+/-268.135 χ^2/NDF:5.9/1

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: 76.465+/-388.103 χ^2/NDF:0.0/0

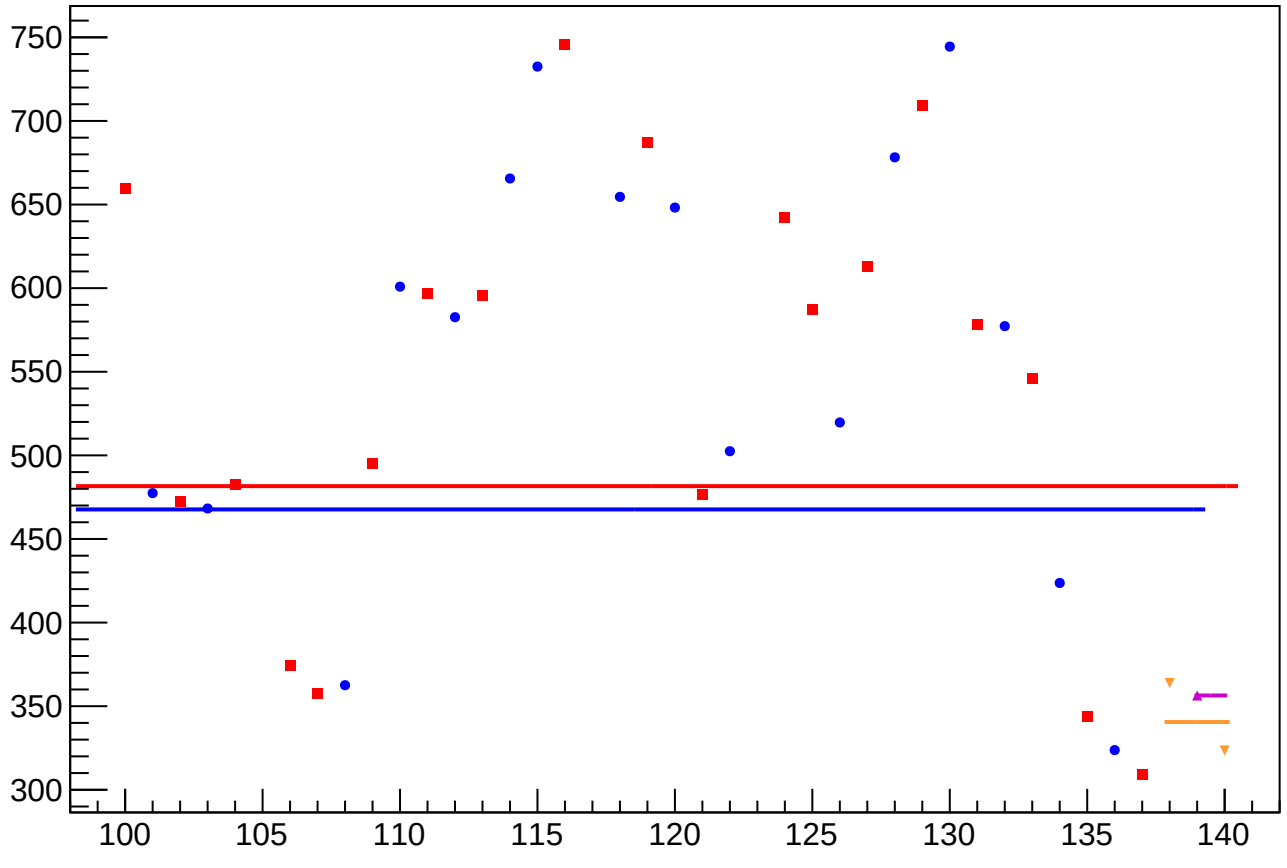
Left: 0.035+/-220.605 χ^2/NDF: 6.0/2

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -278.821+/-163.542 χ^2/NDF:15.8/16

Out: -34.623+/-150.338 χ^2/NDF:21.3/20

All: -146.467+/-110.679 χ^2/NDF: 38.4/37



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 340.552+/-0.190 χ^2/NDF:11042.9/1

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 356.403+/-0.274 χ^2/NDF:0.0/0

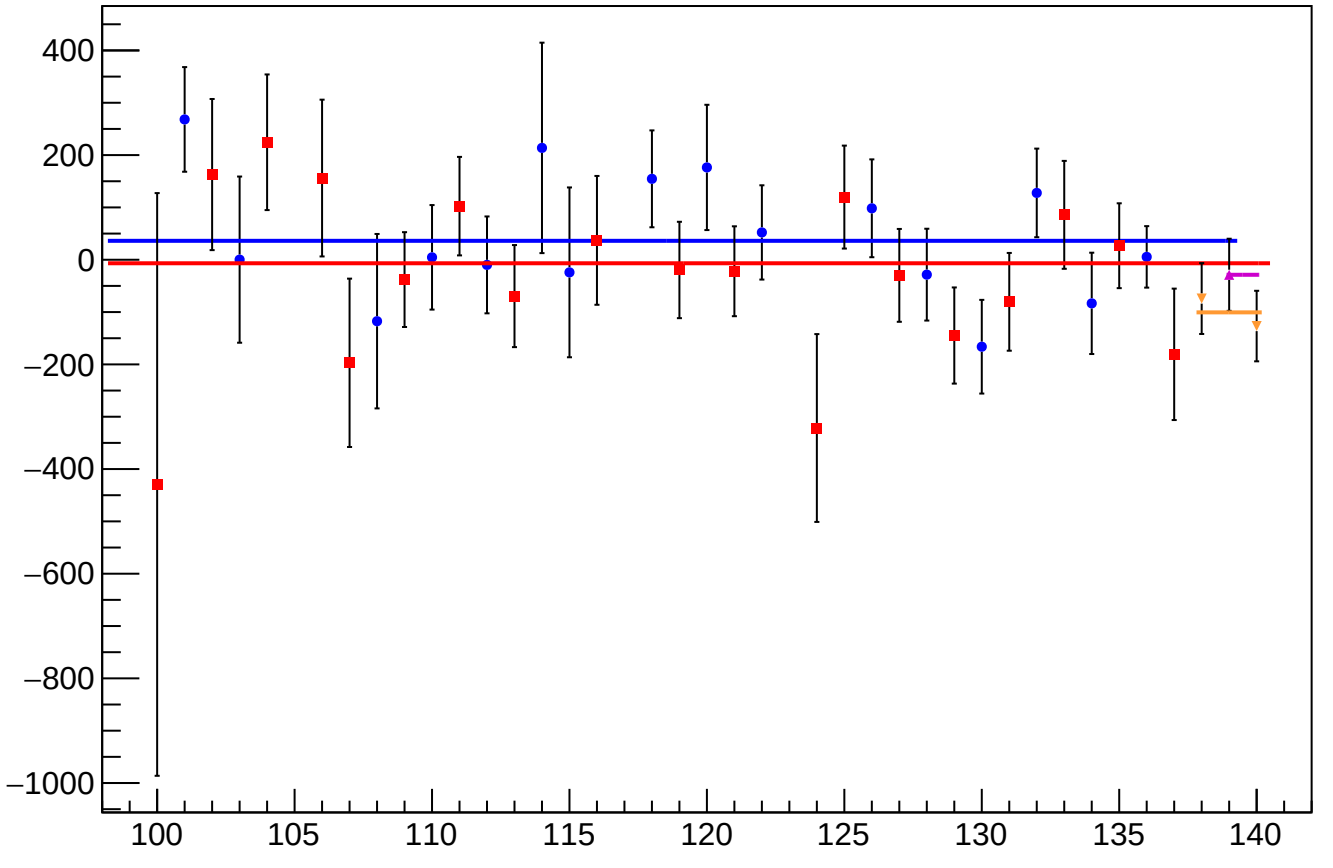
Left: 345.673+/-0.156 χ^2/NDF: 13301.0/2

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 447.916+/-0.116 χ^2/NDF:1121153.0/16

Out: 437.259+/-0.106 χ^2/NDF:1244765.9/20

All: 442.140+/-0.078 χ^2/NDF: 2370521.5/37



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -100.571+/-47.766 χ^2/NDF:0.3/1

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -28.752+/-68.911 χ^2/NDF:0.0/0

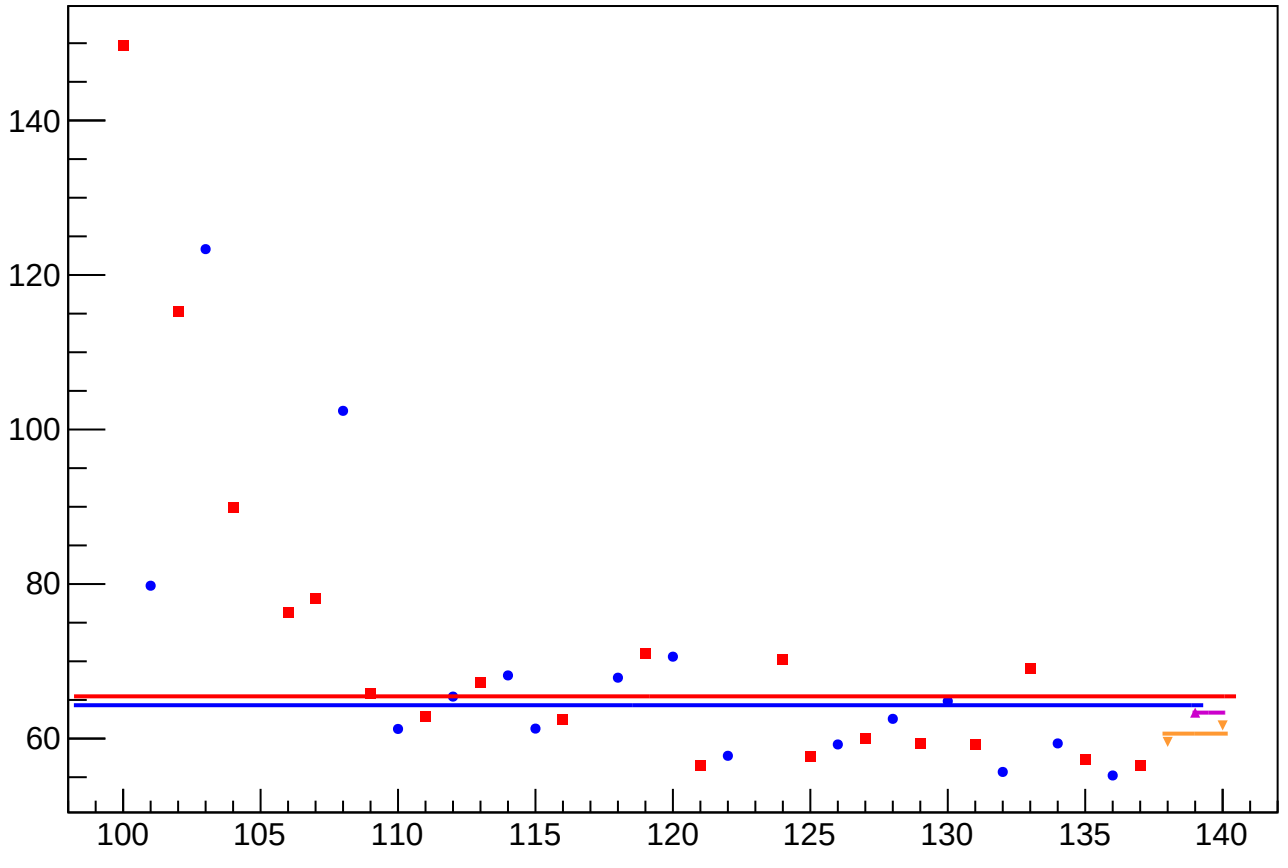
Left: -77.263+/-39.257 χ^2/NDF: 1.0/2

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: 28.888+/-23.060 χ^2/NDF:20.4/16

Out: -26.362+/-21.845 χ^2/NDF:23.7/20

All: -0.231+/-15.859 χ^2/NDF: 47.2/37



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 60.640+/-0.034 χ^2/NDF:995.1/1

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.358+/-0.049 χ^2/NDF:0.0/0

Left: 61.522+/-0.028 χ^2/NDF: 3096.0/2

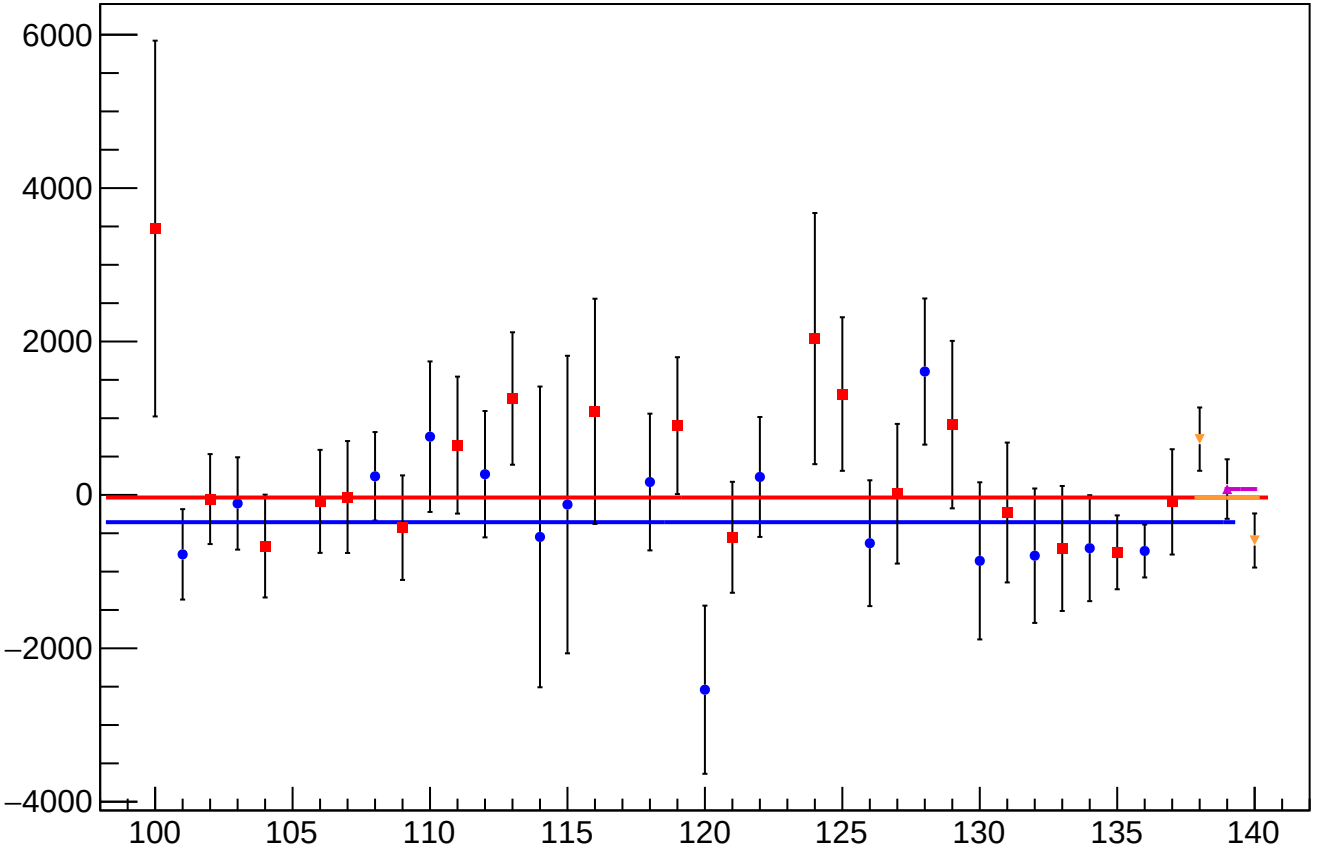
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 64.209+/-0.016 χ^2/NDF:532417.0/16

Out: 64.457+/-0.015 χ^2/NDF:499506.3/20

All: 64.339+/-0.011 χ^2/NDF: 1032045.0/37

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: -36.447+/-268.136 χ^2/NDF:5.9/1

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 76.465+/-388.104 χ^2/NDF:0.0/0

Left: 0.035+/-220.606 χ^2/NDF: 6.0/2

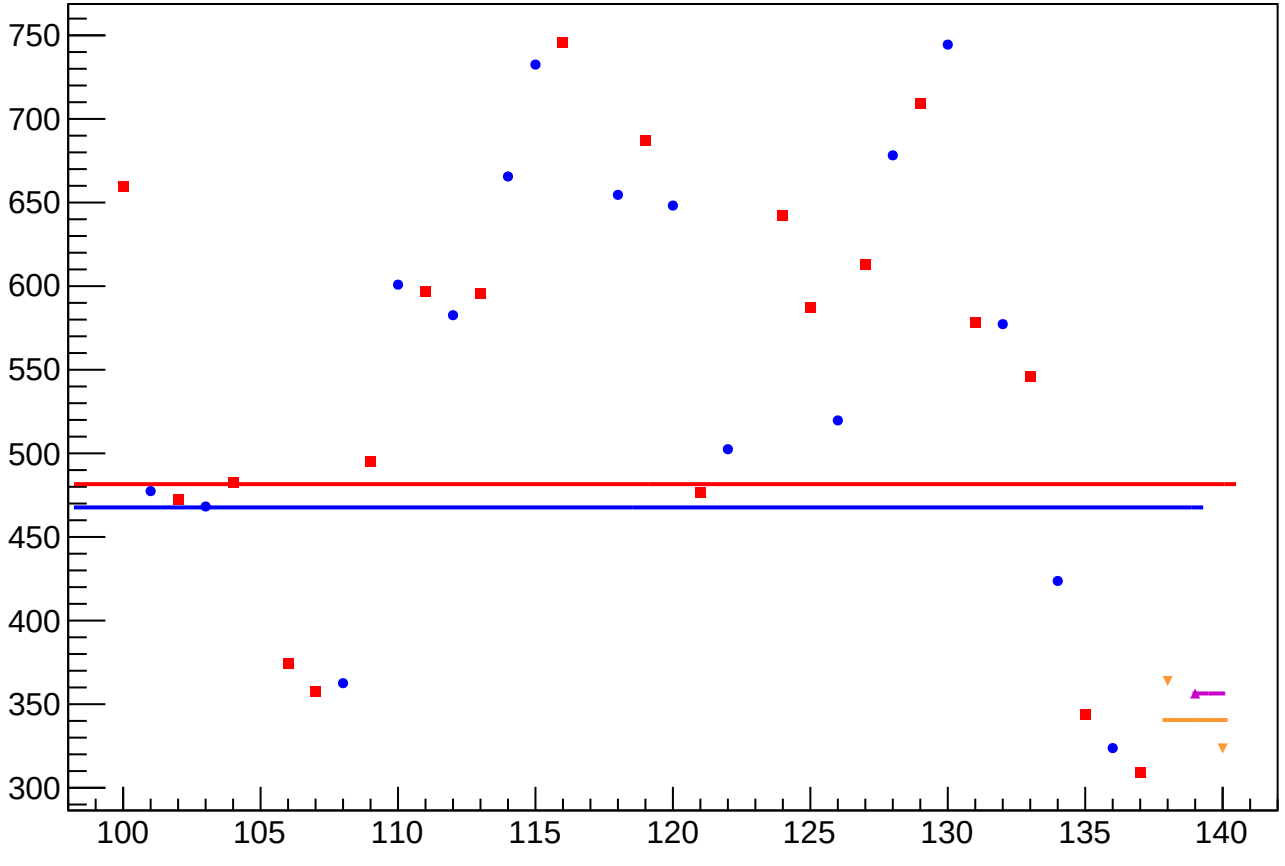
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -278.821+/-163.542 χ^2/NDF:15.8/16

Out: -34.623+/-150.338 χ^2/NDF:21.3/20

All: -146.468+/-110.679 χ^2/NDF: 38.4/37

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 340.553+/-0.190 χ^2/NDF:11043.4/1

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 356.403+/-0.274 χ^2/NDF:0.0/0

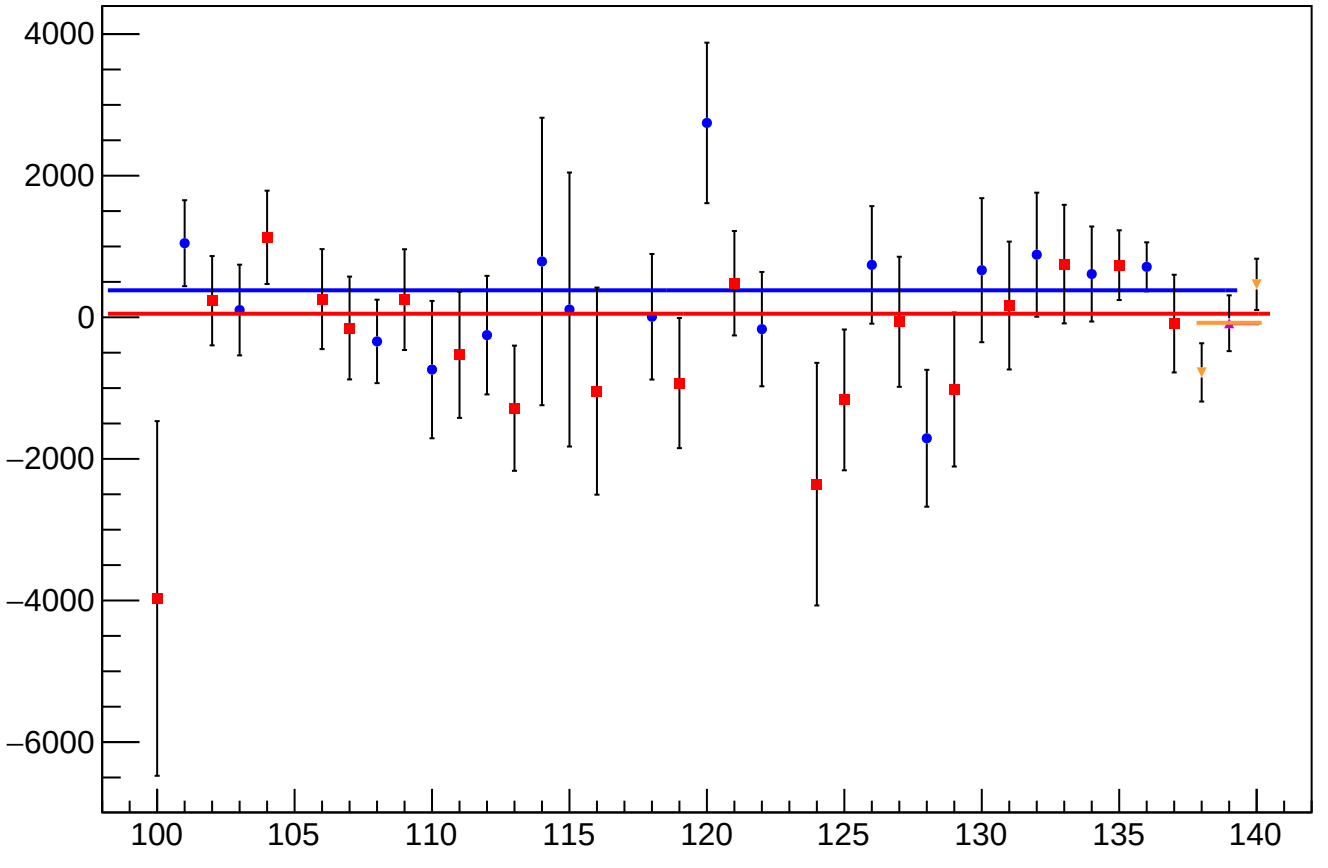
Left: 345.674+/-0.156 χ^2/NDF: 13301.5/2

Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 447.916+/-0.116 χ^2/NDF:1121150.7/16

Out: 437.259+/-0.106 χ^2/NDF:1244757.4/20

All: 442.140+/-0.078 χ^2/NDF: 2370510.6/37



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -77.704+/-271.949 χ^2/NDF:5.1/1

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -84.006+/-393.991 χ^2/NDF:0.0/0

Left: -79.738+/-223.811 χ^2/NDF: 5.1/2

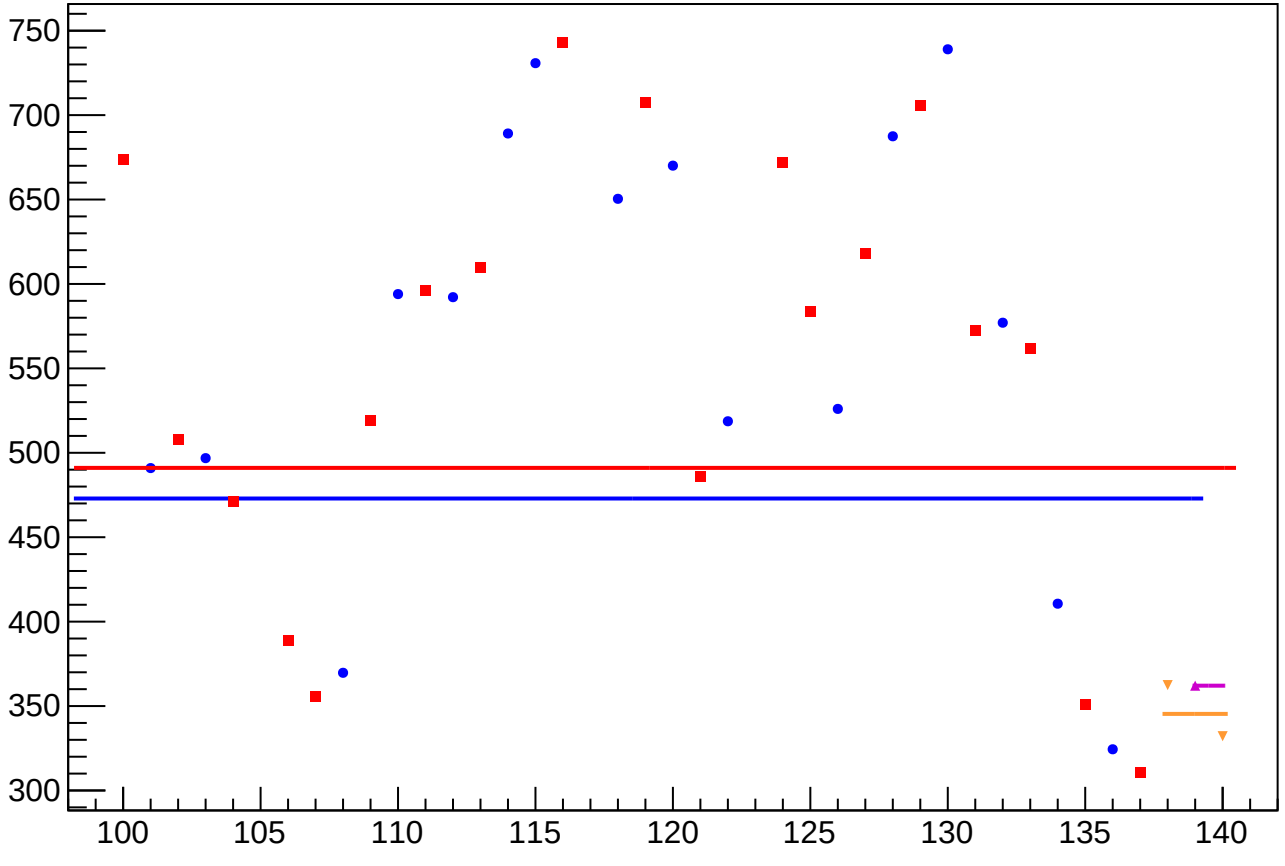
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 298.808+/-165.713 χ^2/NDF:17.3/16

Out: 9.788+/-153.110 χ^2/NDF:22.8/20

All: 142.891+/-112.457 χ^2/NDF: 41.7/37

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 345.355+/-0.192 χ^2/NDF:6095.0/1

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 362.071+/-0.279 χ^2/NDF:0.0/0

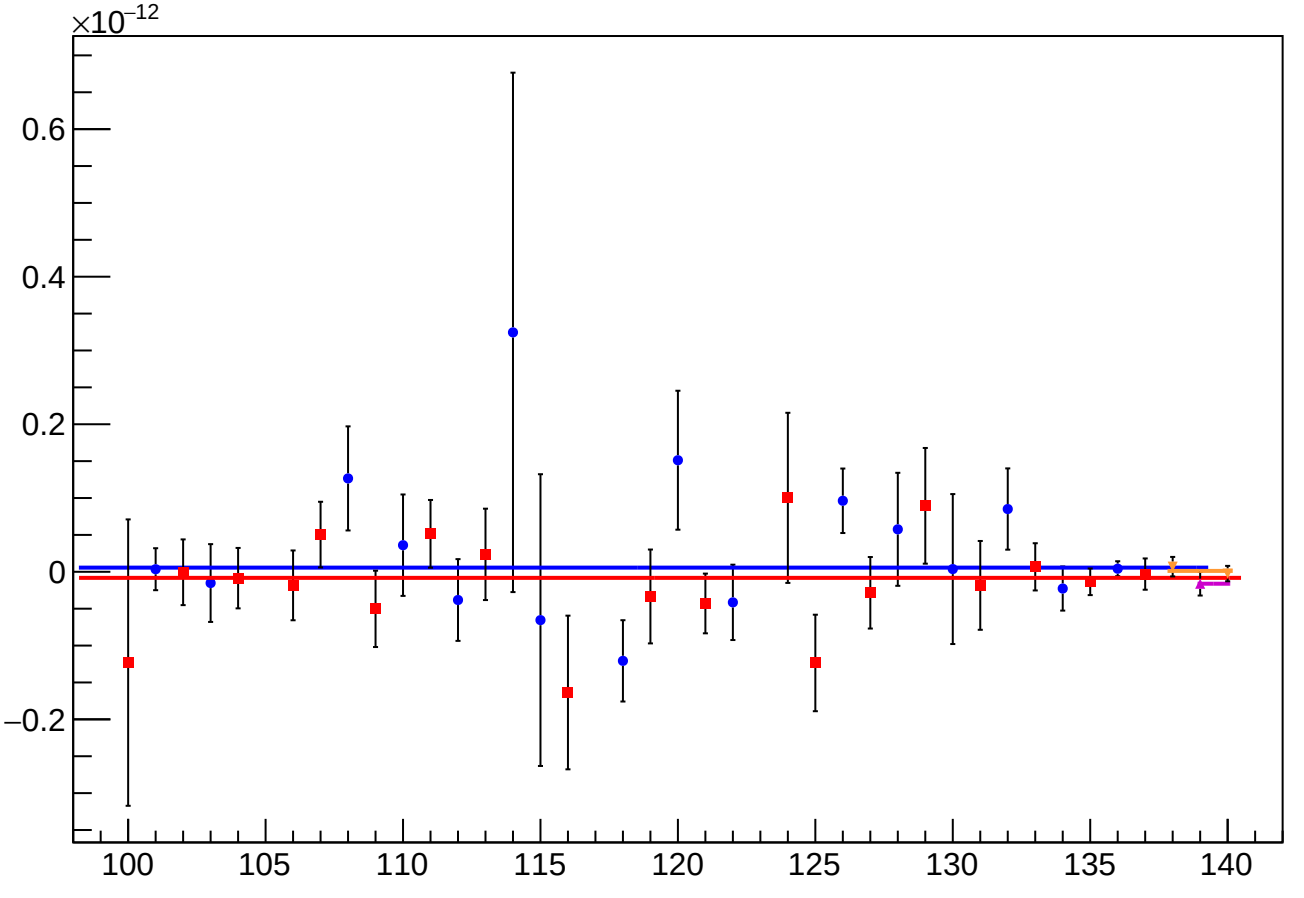
Left: 350.749+/-0.158 χ^2/NDF: 8533.5/2

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 453.314+/-0.117 χ^2/NDF:1130592.3/16

Out: 444.876+/-0.108 χ^2/NDF:1245742.9/20

All: 448.762+/-0.080 χ^2/NDF: 2379132.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

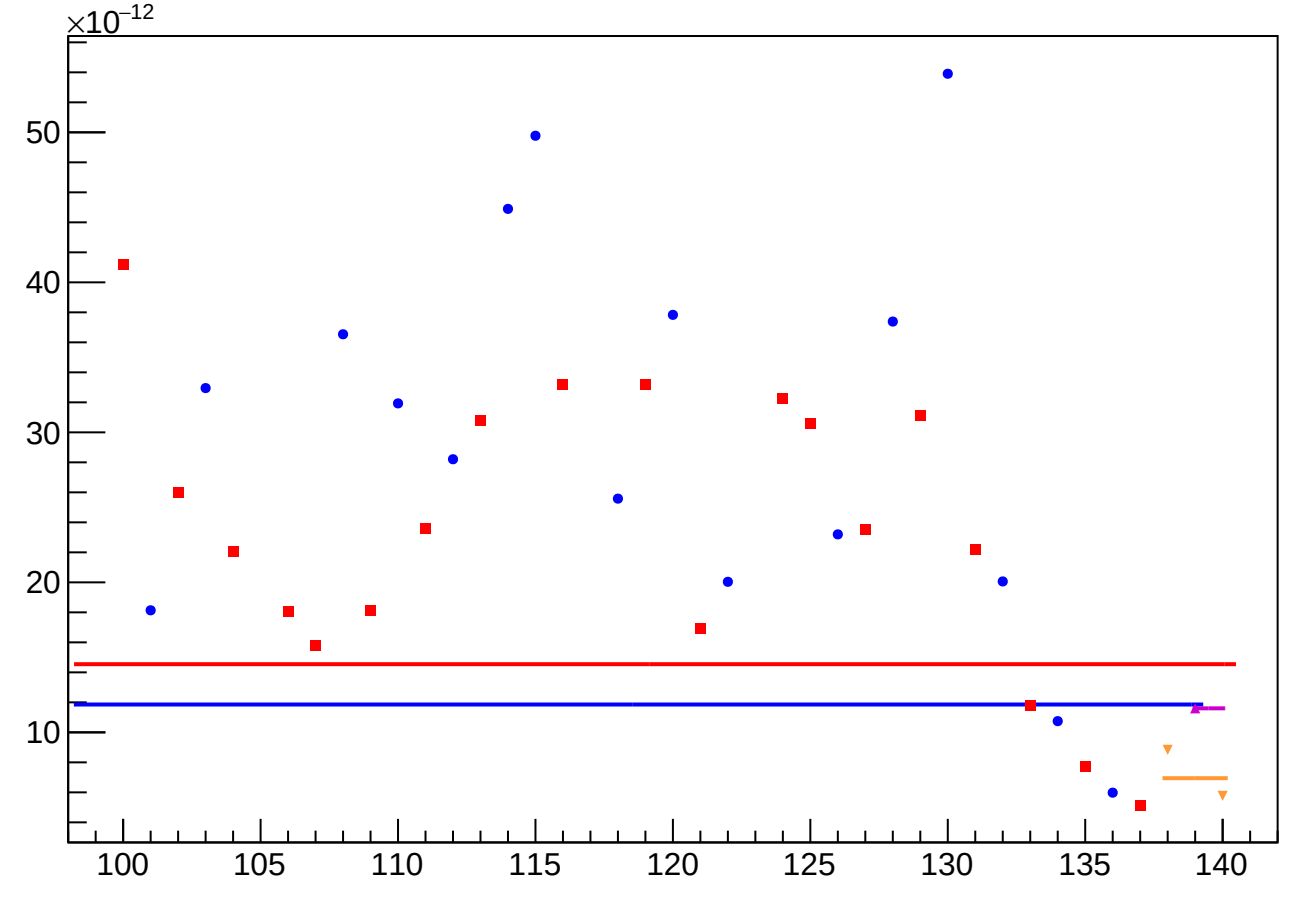
Left: -0.000+/-0.000 χ^2/NDF: 1.2/2

Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:22.6/16

Out: -0.000+/-0.000 χ^2/NDF:14.9/20

All: -0.000+/-0.000 χ^2/NDF: 37.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:66442.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

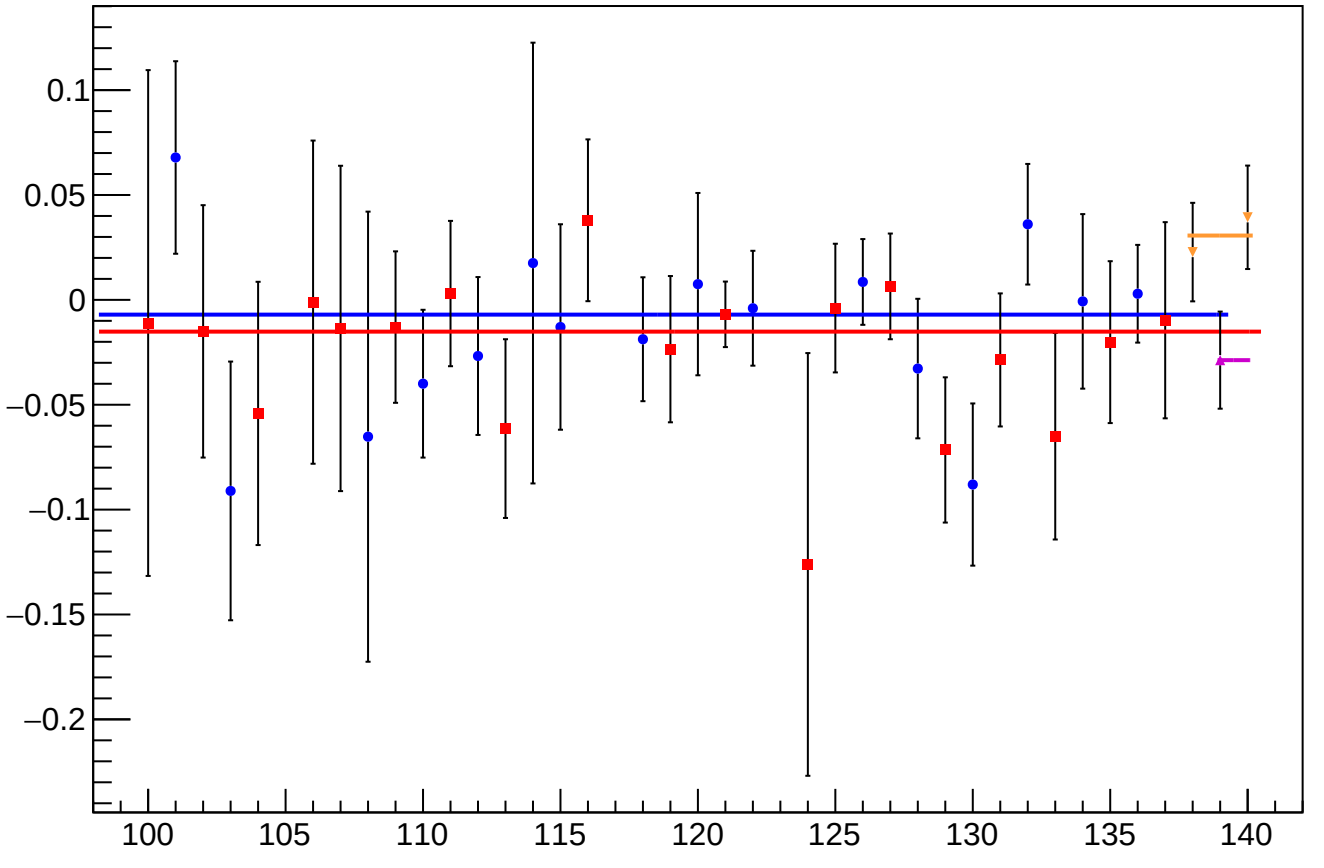
Left: 0.000+/-0.000 χ^2/NDF: 200519.0/2

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:2848882.8/16

Out: 0.000+/-0.000 χ^2/NDF:2589241.1/20

All: 0.000+/-0.000 χ^2/NDF: 5490656.0/37



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.031+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.029+/-0.023 χ^2/NDF:0.0/0

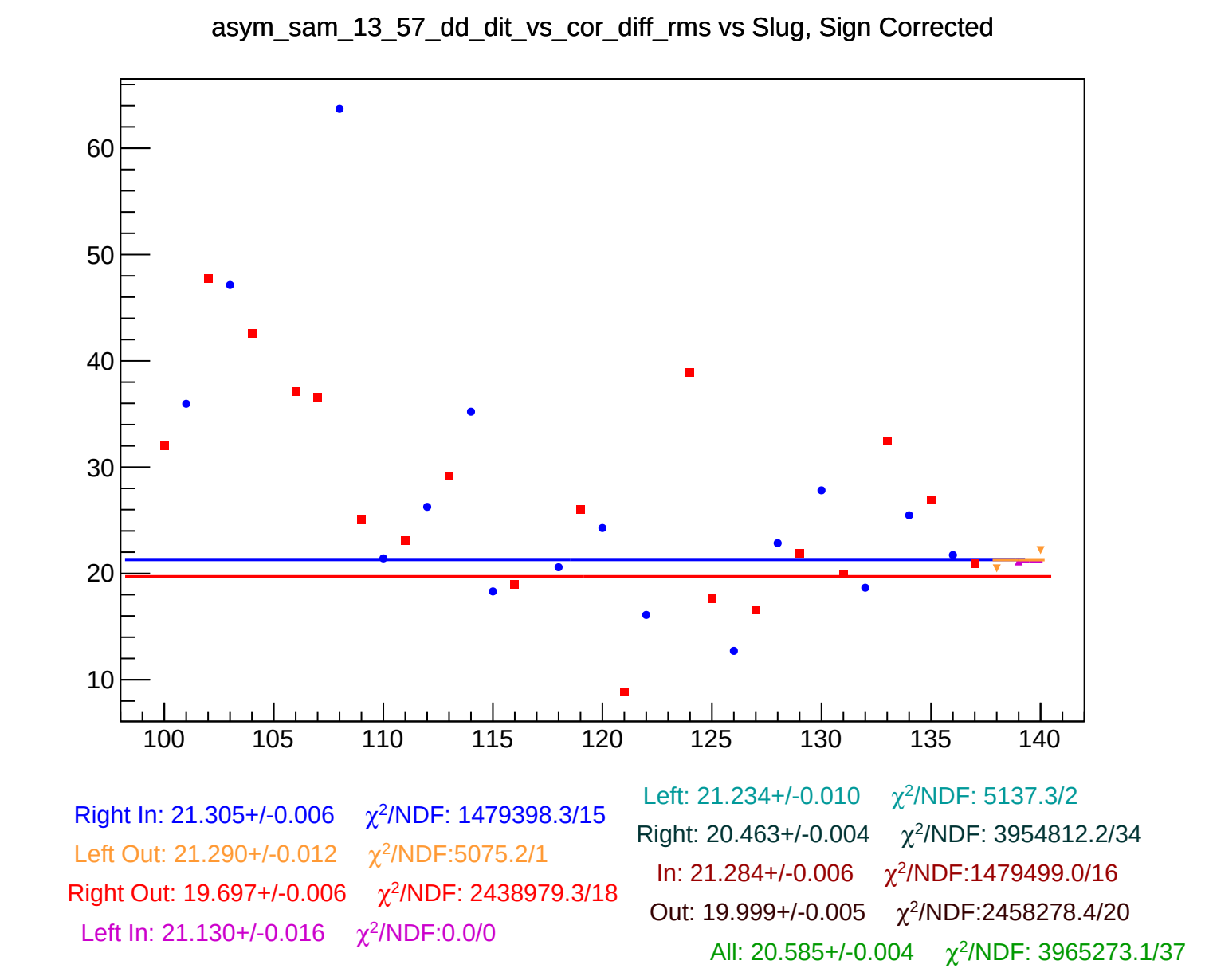
Left: 0.010+/-0.014 χ^2/NDF: 4.5/2

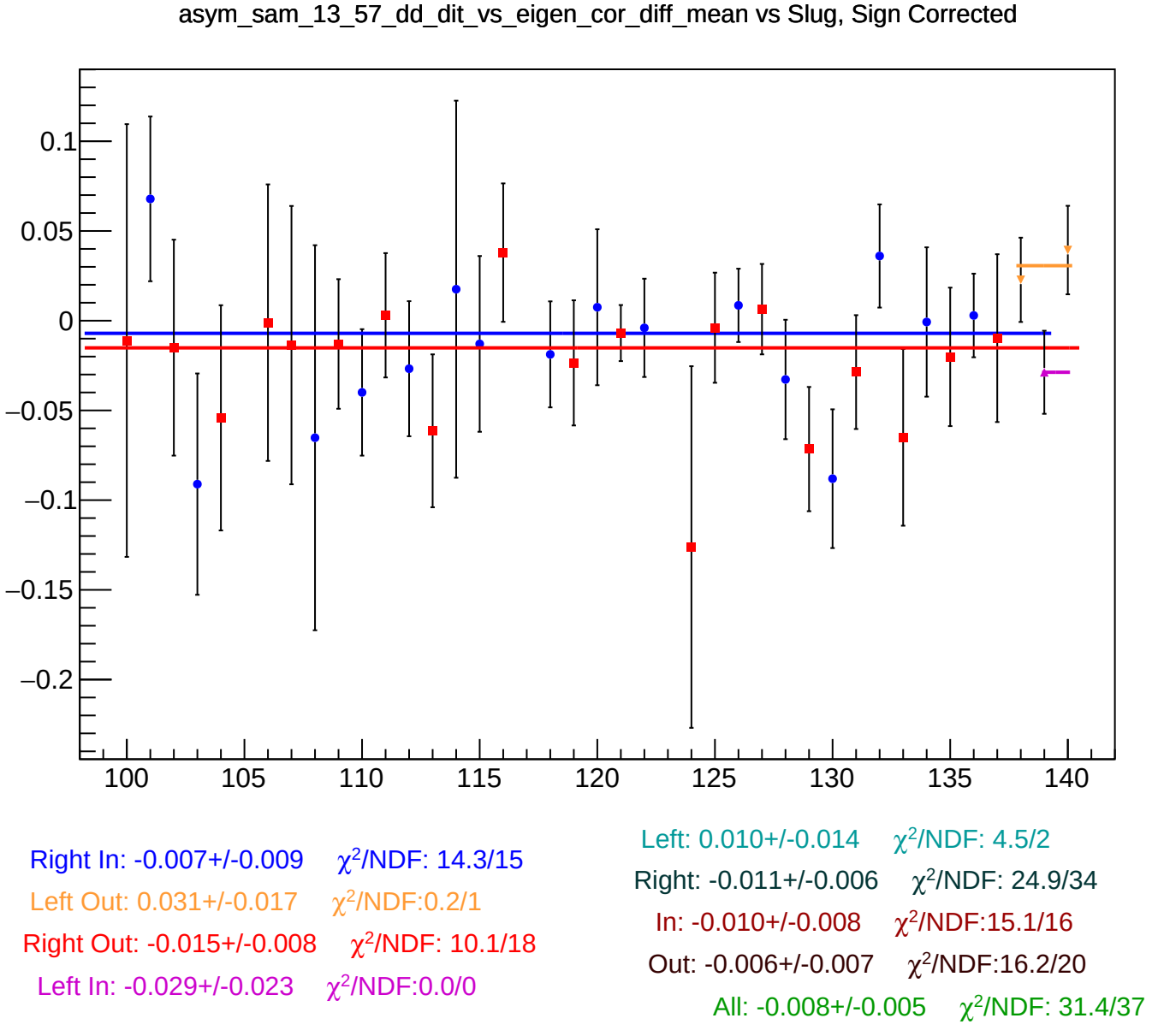
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.010+/-0.008 χ^2/NDF:15.1/16

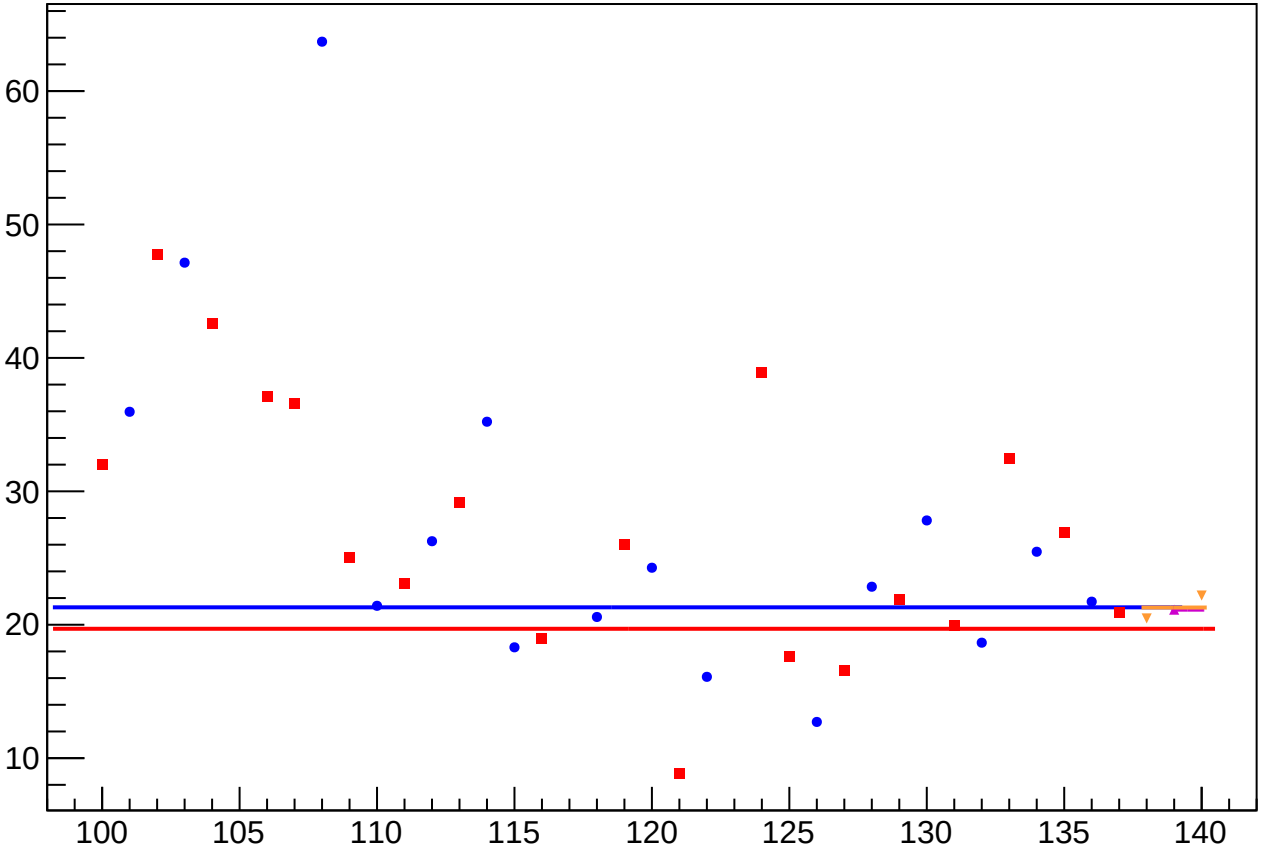
Out: -0.006+/-0.007 χ^2/NDF:16.2/20

All: -0.008+/-0.005 χ^2/NDF: 31.4/37


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 21.305+/-0.006 χ2/NDF: 1479398.3/15
Left Out: 21.290+/-0.012 χ2/NDF:5075.2/1
Right Out: 19.697+/-0.006 χ2/NDF: 2438979.3/18
Left In: 21.130+/-0.016 χ2/NDF:0.0/0
Left: 21.234+/-0.010 χ2/NDF: 5137.3/2
Right: 20.463+/-0.004 χ2/NDF: 3954812.2/34
In: 21.284+/-0.006 χ2/NDF:1479499.0/16
Out: 19.999+/-0.005 χ2/NDF:2458278.4/20
All: 20.585+/-0.004 χ2/NDF: 3965273.1/37


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
105
110
115
120
125
130
135
140
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.031+/-0.017 χ²/NDF:0.2/1
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.029+/-0.023 χ²/NDF:0.0/0
Left: 0.010+/-0.014 χ²/NDF: 4.5/2
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.010+/-0.008 χ²/NDF:15.1/16
Out: -0.006+/-0.007 χ²/NDF:16.2/20
All: -0.008+/-0.005 χ²/NDF: 31.4/37

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 21.290+/-0.012 χ^2/NDF:5075.2/1

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 21.130+/-0.016 χ^2/NDF:0.0/0

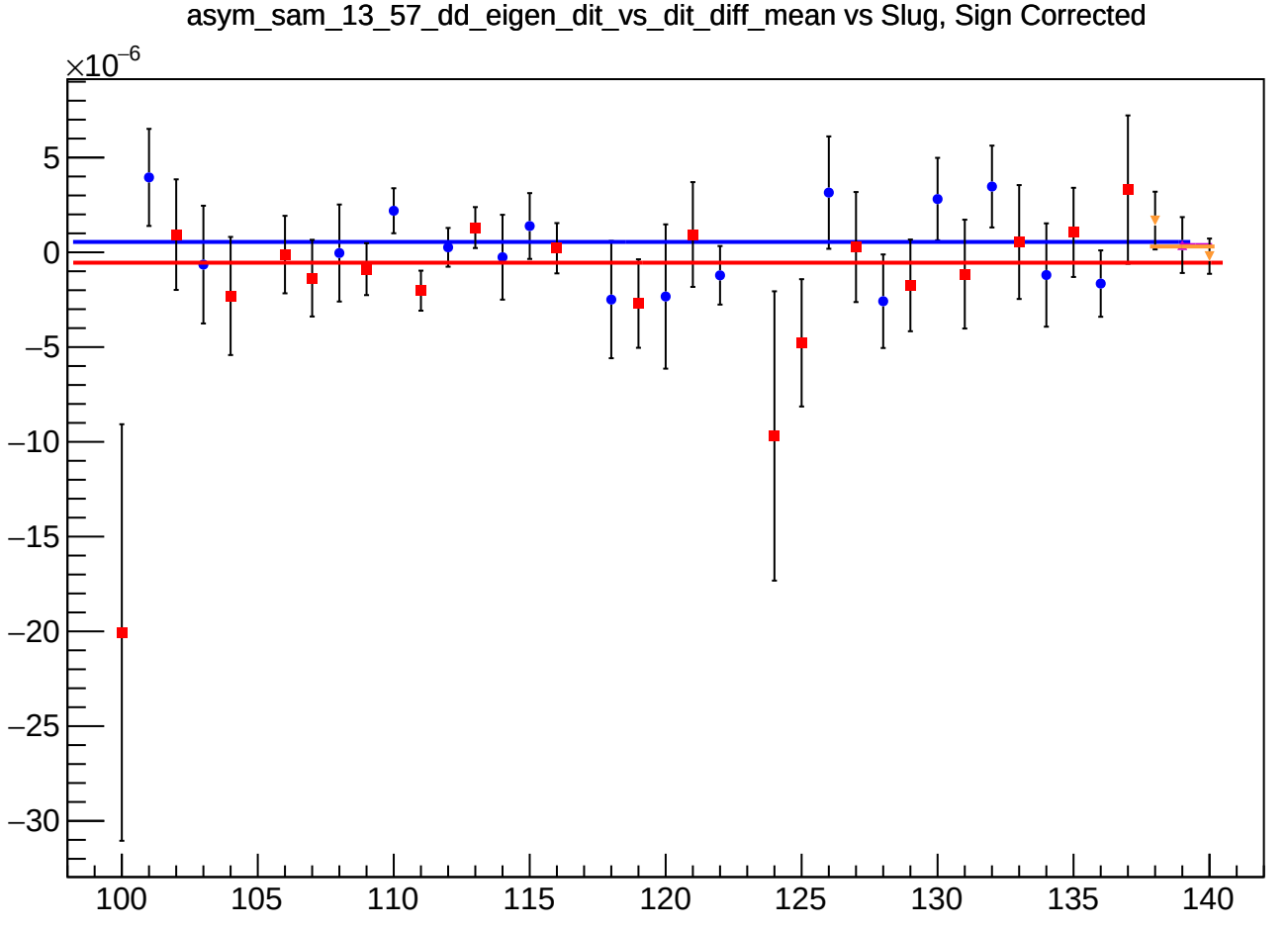
Left: 21.234+/-0.010 χ^2/NDF: 5137.3/2

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.284+/-0.006 χ^2/NDF:1479499.0/16

Out: 19.999+/-0.005 χ^2/NDF:2458278.4/20

All: 20.585+/-0.004 χ^2/NDF: 3965273.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

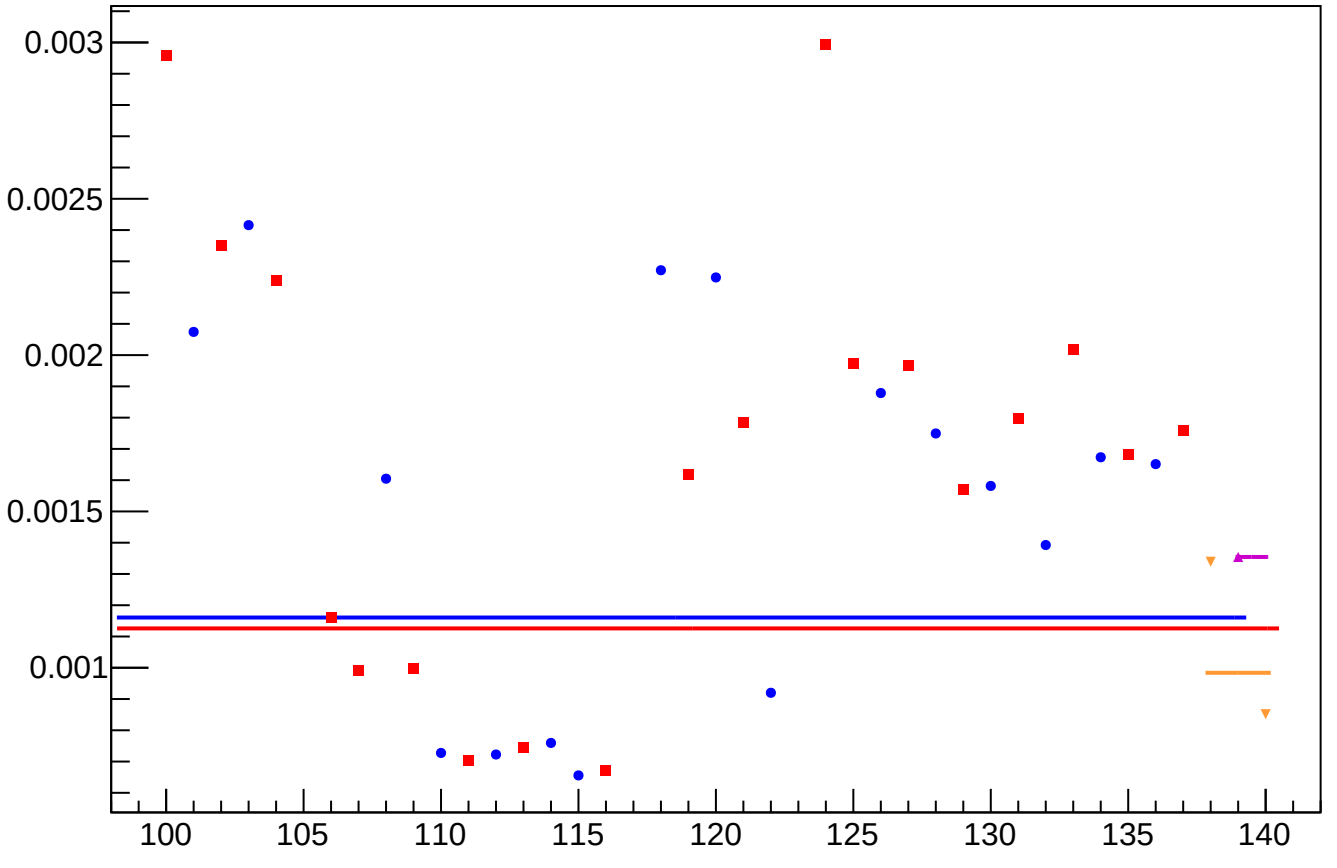
Left: 0.000+/-0.000 χ^2/NDF: 1.1/2

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: 0.000+/-0.000 χ^2/NDF:14.5/16

Out: -0.000+/-0.000 χ^2/NDF:17.3/20

All: 0.000+/-0.000 χ^2/NDF: 33.8/37



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:149435.1/1

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:0.0/0

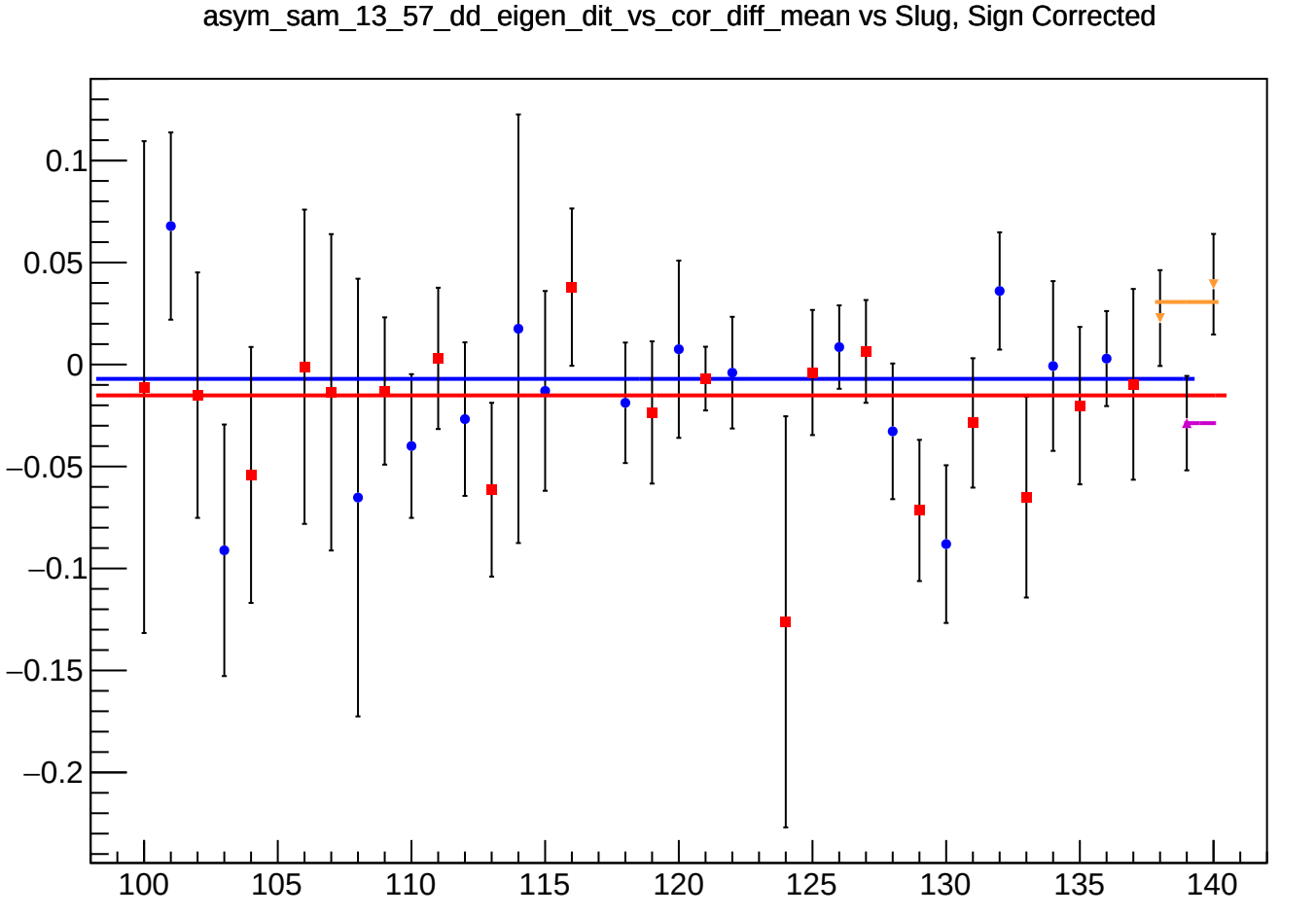
Left: 0.001+/-0.000 χ^2/NDF: 247394.0/2

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:2565892.6/16

Out: 0.001+/-0.000 χ^2/NDF:2821381.2/20

All: 0.001+/-0.000 χ^2/NDF: 5430534.6/37



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.031+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.029+/-0.023 χ^2/NDF:0.0/0

Left: 0.010+/-0.014 χ^2/NDF: 4.5/2

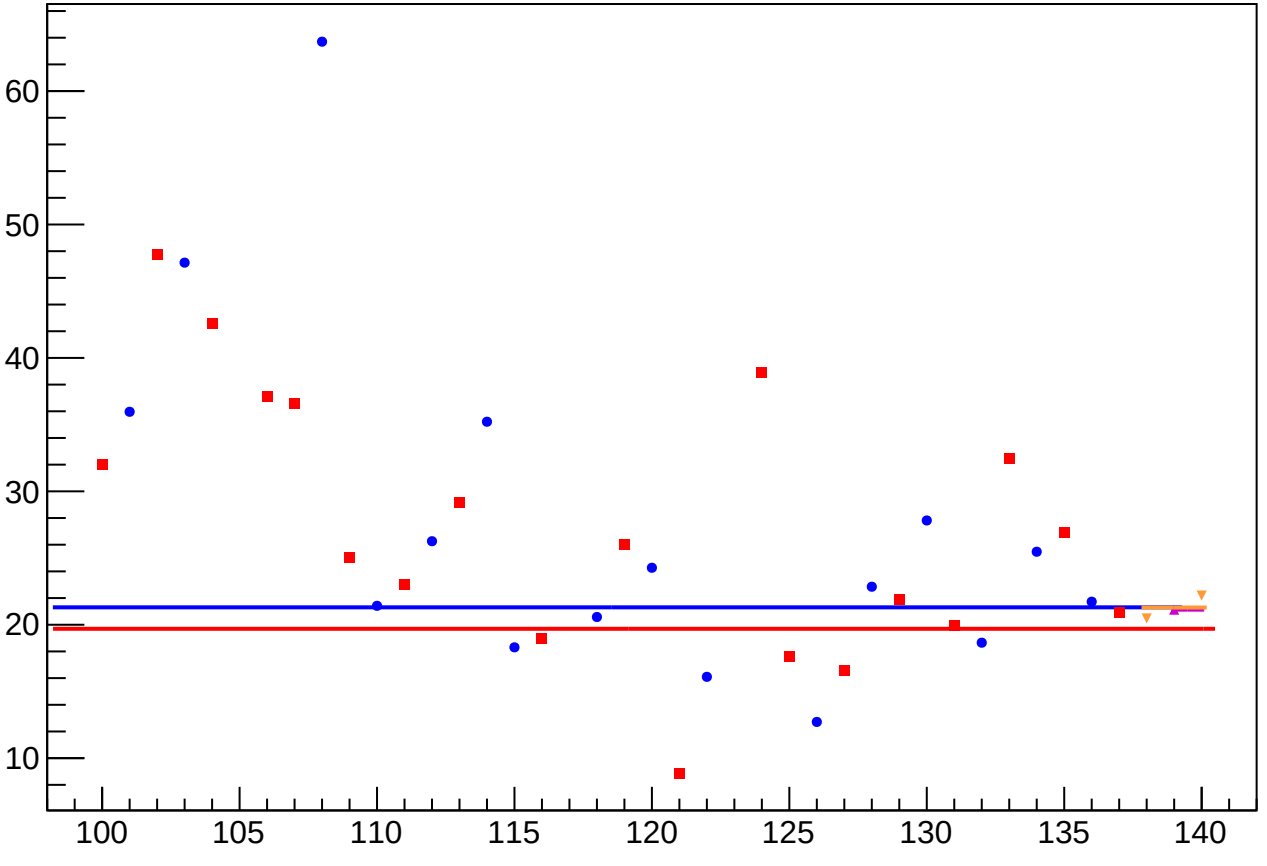
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.010+/-0.008 χ^2/NDF:15.1/16

Out: -0.006+/-0.007 χ^2/NDF:16.2/20

All: -0.008+/-0.005 χ^2/NDF: 31.4/37

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.290+/-0.012 χ^2/NDF:5075.2/1

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.130+/-0.016 χ^2/NDF:0.0/0

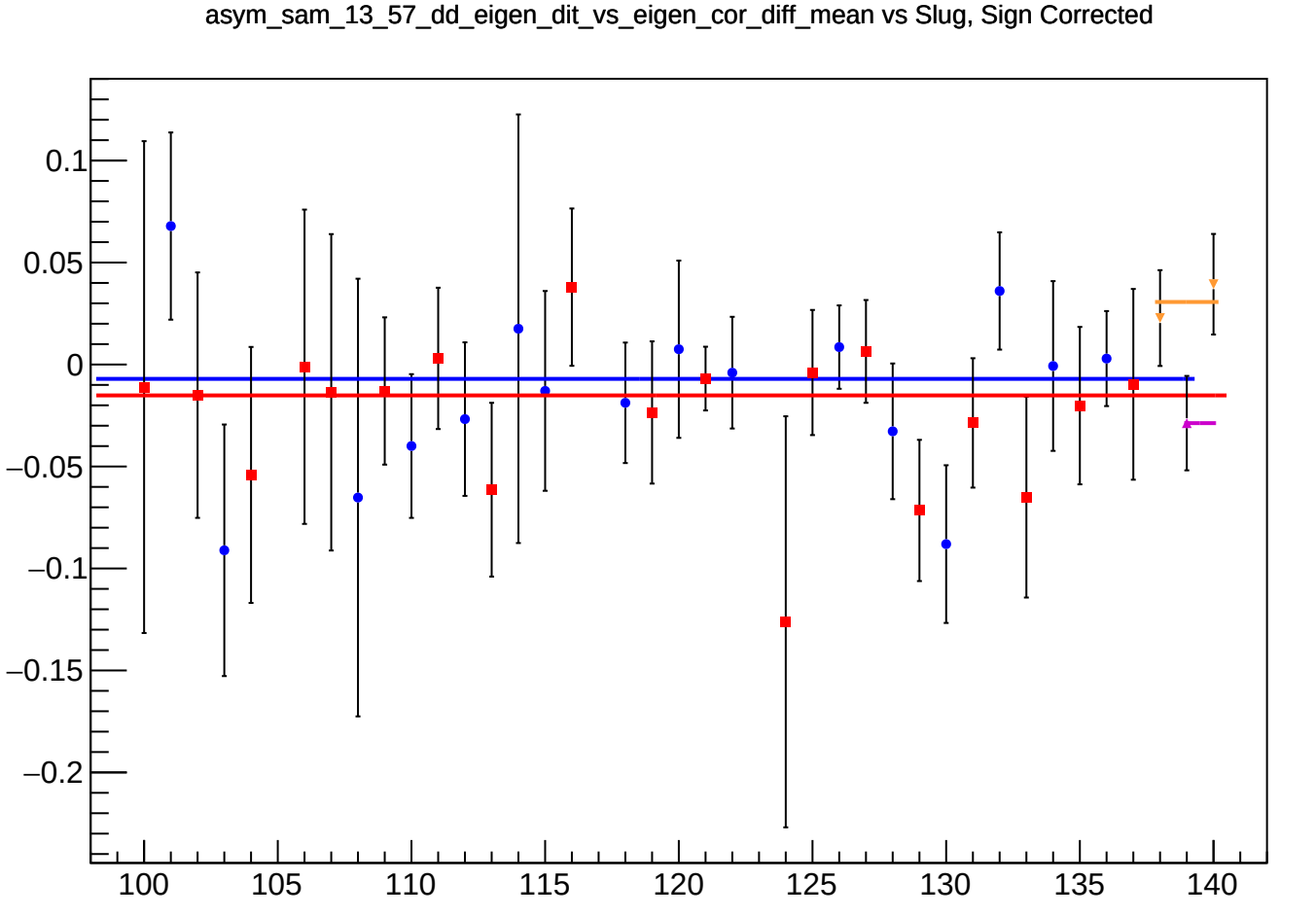
Left: 21.234+/-0.010 χ^2/NDF: 5137.4/2

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.284+/-0.006 χ^2/NDF:1479332.3/16

Out: 19.999+/-0.005 χ^2/NDF:2457907.7/20

All: 20.586+/-0.004 χ^2/NDF: 3964720.8/37



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.031+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.029+/-0.023 χ^2/NDF:0.0/0

Left: 0.010+/-0.014 χ^2/NDF: 4.5/2

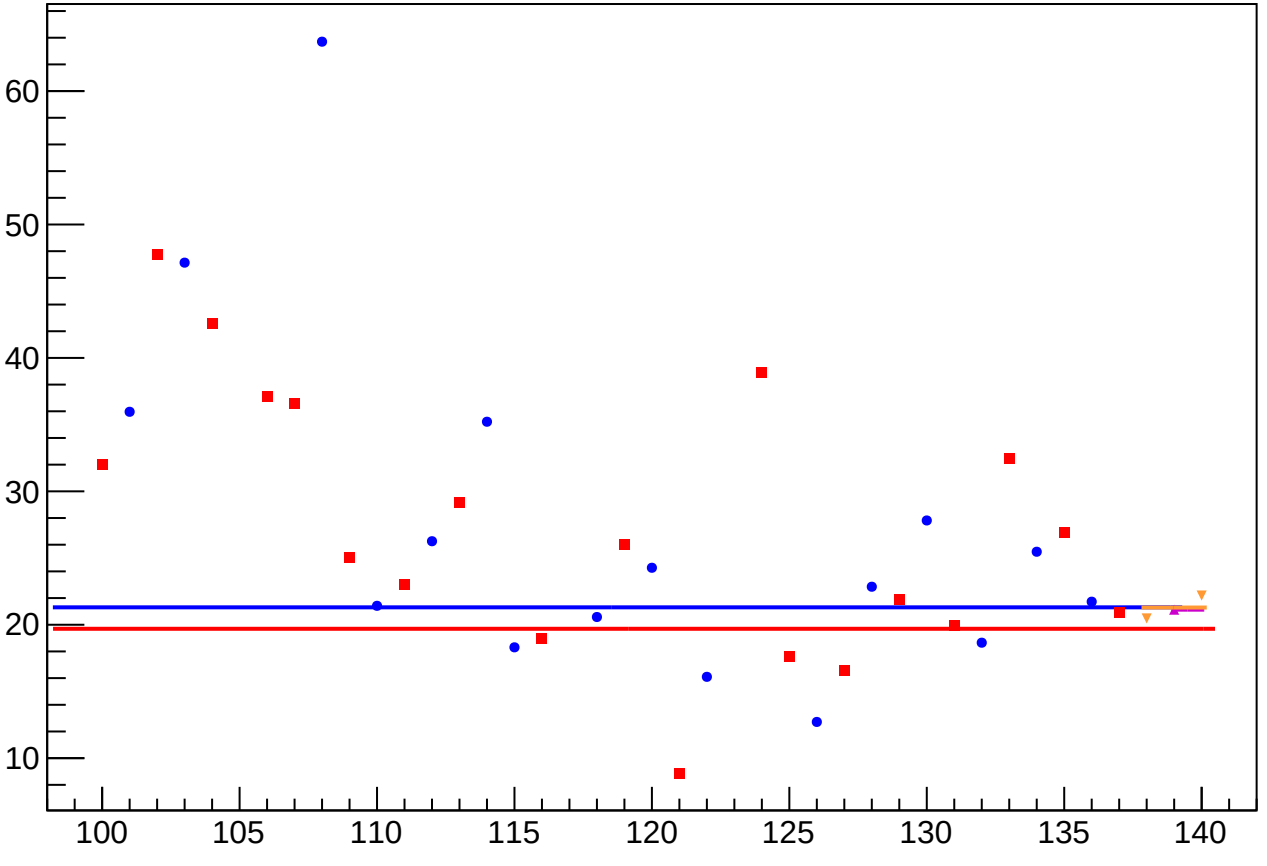
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.010+/-0.008 χ^2/NDF:15.1/16

Out: -0.006+/-0.007 χ^2/NDF:16.2/20

All: -0.008+/-0.005 χ^2/NDF: 31.4/37

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.290+/-0.012 χ^2/NDF:5075.2/1

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.130+/-0.016 χ^2/NDF:0.0/0

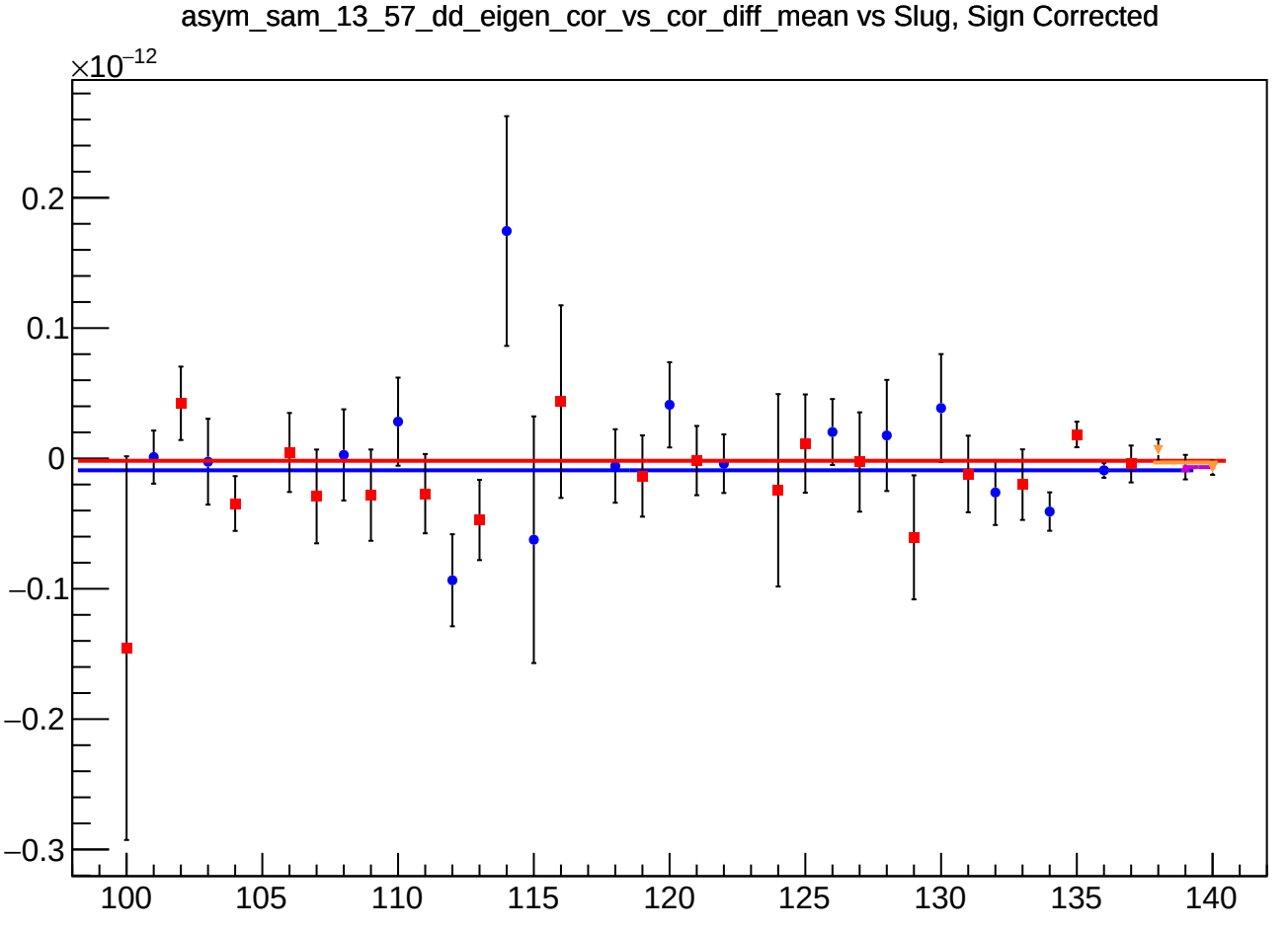
Left: 21.234+/-0.010 χ^2/NDF: 5137.4/2

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.284+/-0.006 χ^2/NDF:1479332.3/16

Out: 19.999+/-0.005 χ^2/NDF:2457907.7/20

All: 20.586+/-0.004 χ^2/NDF: 3964720.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

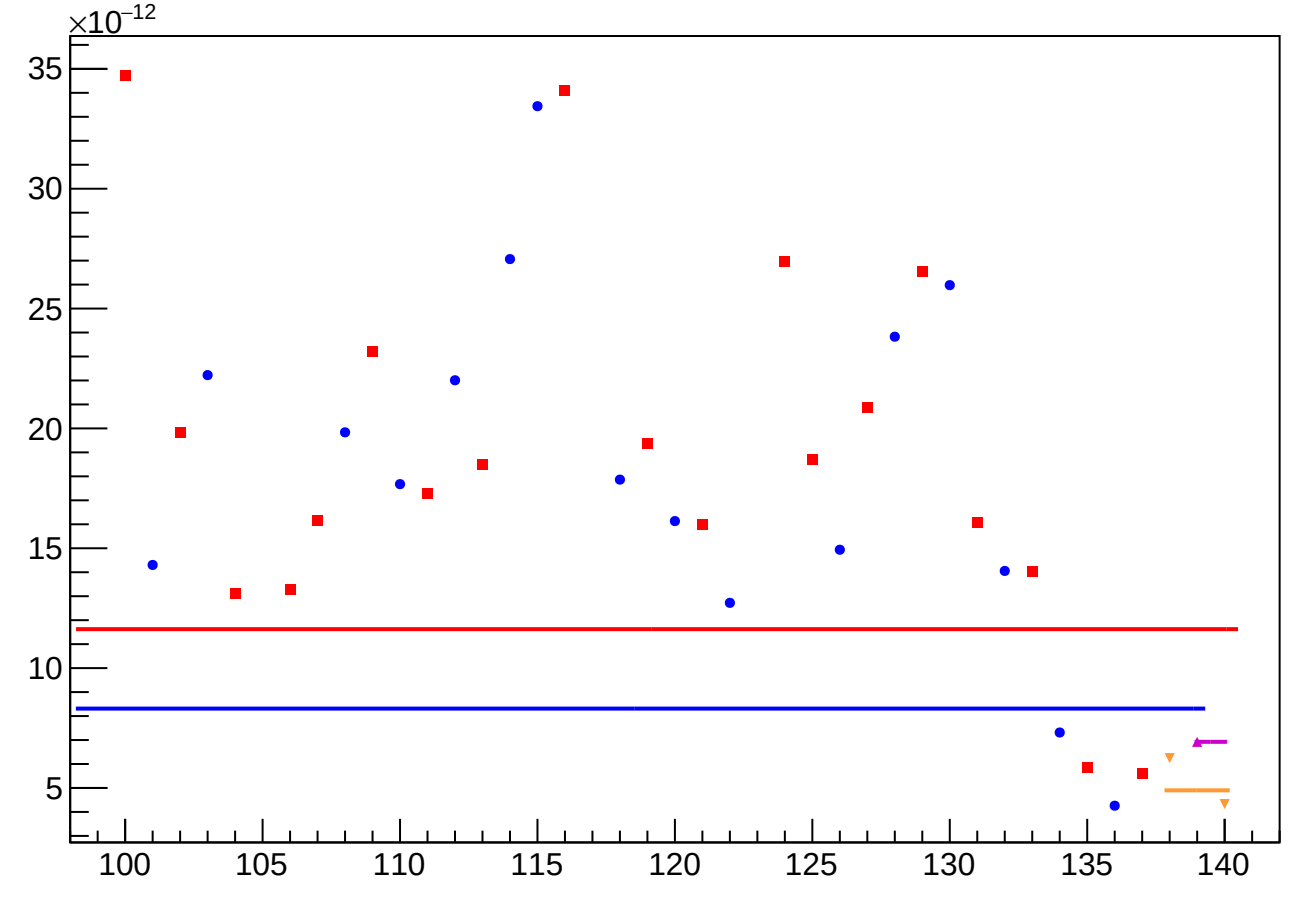
Left: -0.000+/-0.000 χ^2/NDF: 2.0/2

Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:22.6/16

Out: -0.000+/-0.000 χ^2/NDF:18.9/20

All: -0.000+/-0.000 χ^2/NDF: 42.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:75700.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

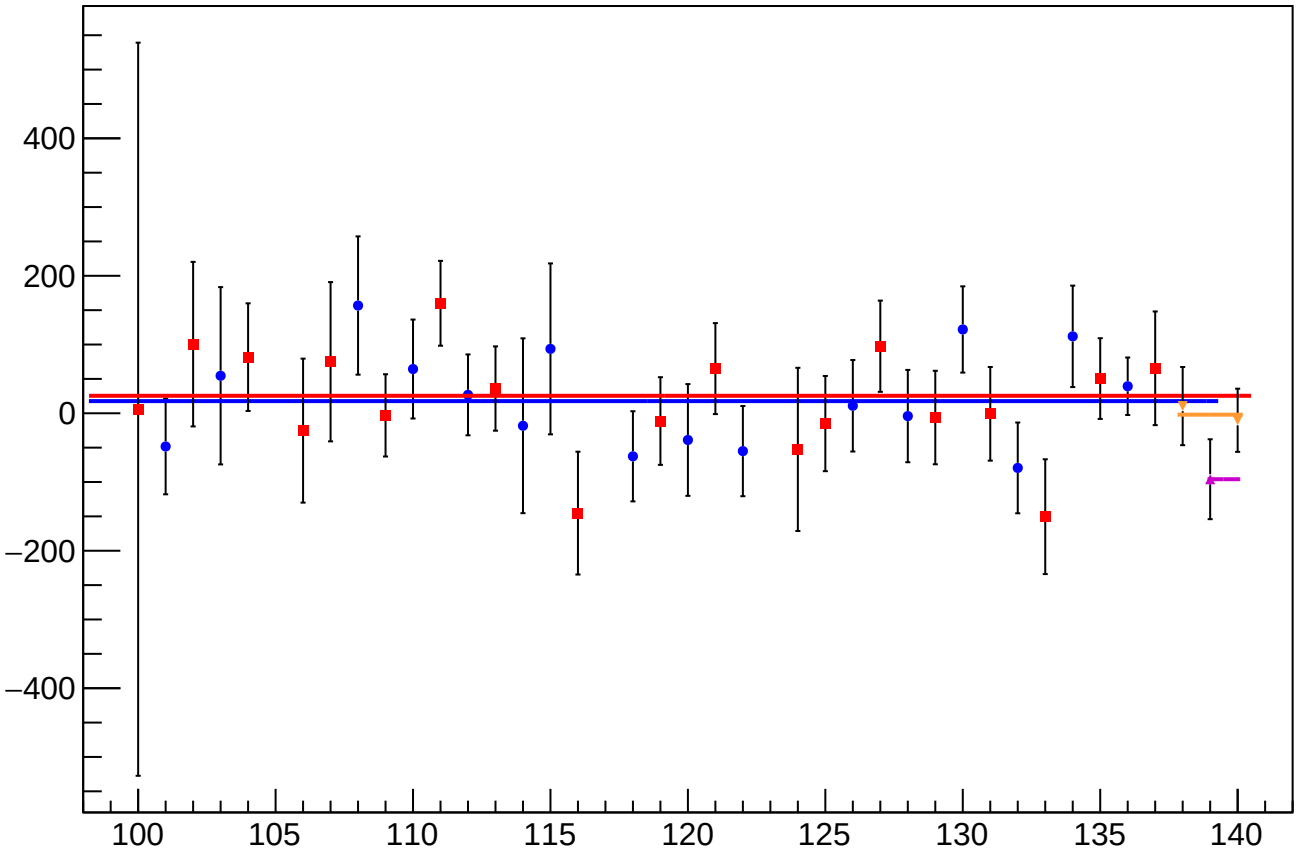
Left: 0.000+/-0.000 χ^2/NDF: 151003.6/2

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:3767165.0/16

Out: 0.000+/-0.000 χ^2/NDF:4402621.6/20

All: 0.000+/-0.000 χ^2/NDF: 8190879.6/37



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -2.044+/-35.735 χ^2/NDF:0.1/1

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -95.941+/-58.116 χ^2/NDF:0.0/0

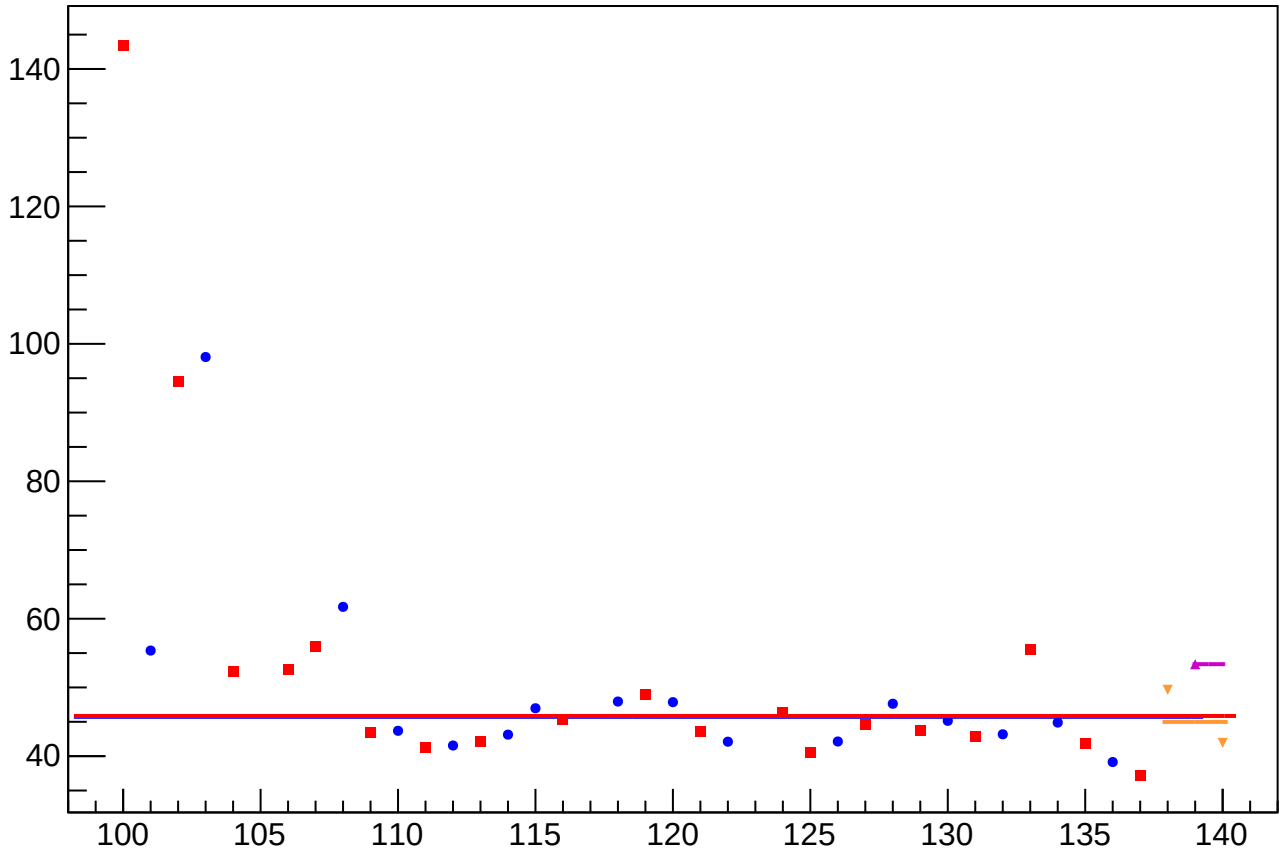
Left: -27.805+/-30.441 χ^2/NDF: 2.0/2

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: 8.283+/-16.730 χ^2/NDF:17.4/16

Out: 20.204+/-15.598 χ^2/NDF:18.4/20

All: 14.660+/-11.409 χ^2/NDF: 36.1/37



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 44.983+/-0.025 χ^2/NDF:22320.0/1

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 53.385+/-0.041 χ^2/NDF:0.0/0

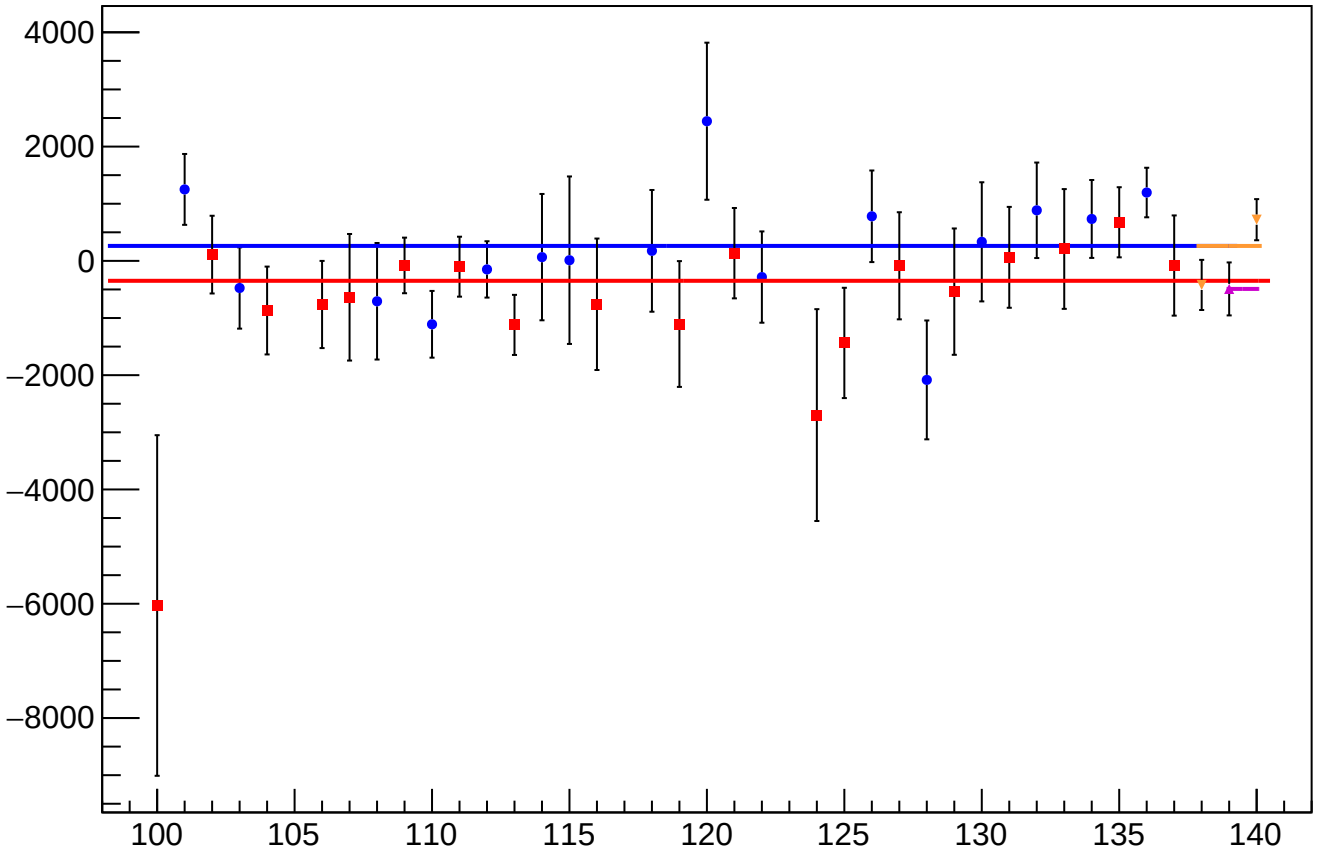
Left: 47.288+/-0.022 χ^2/NDF: 52654.0/2

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 46.361+/-0.012 χ^2/NDF:533311.6/16

Out: 45.684+/-0.011 χ^2/NDF:563428.2/20

All: 45.999+/-0.008 χ^2/NDF: 1098492.9/37



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 261.327+/-278.193 χ^2/NDF:4.1/1

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -490.760+/-463.516 χ^2/NDF:0.0/0

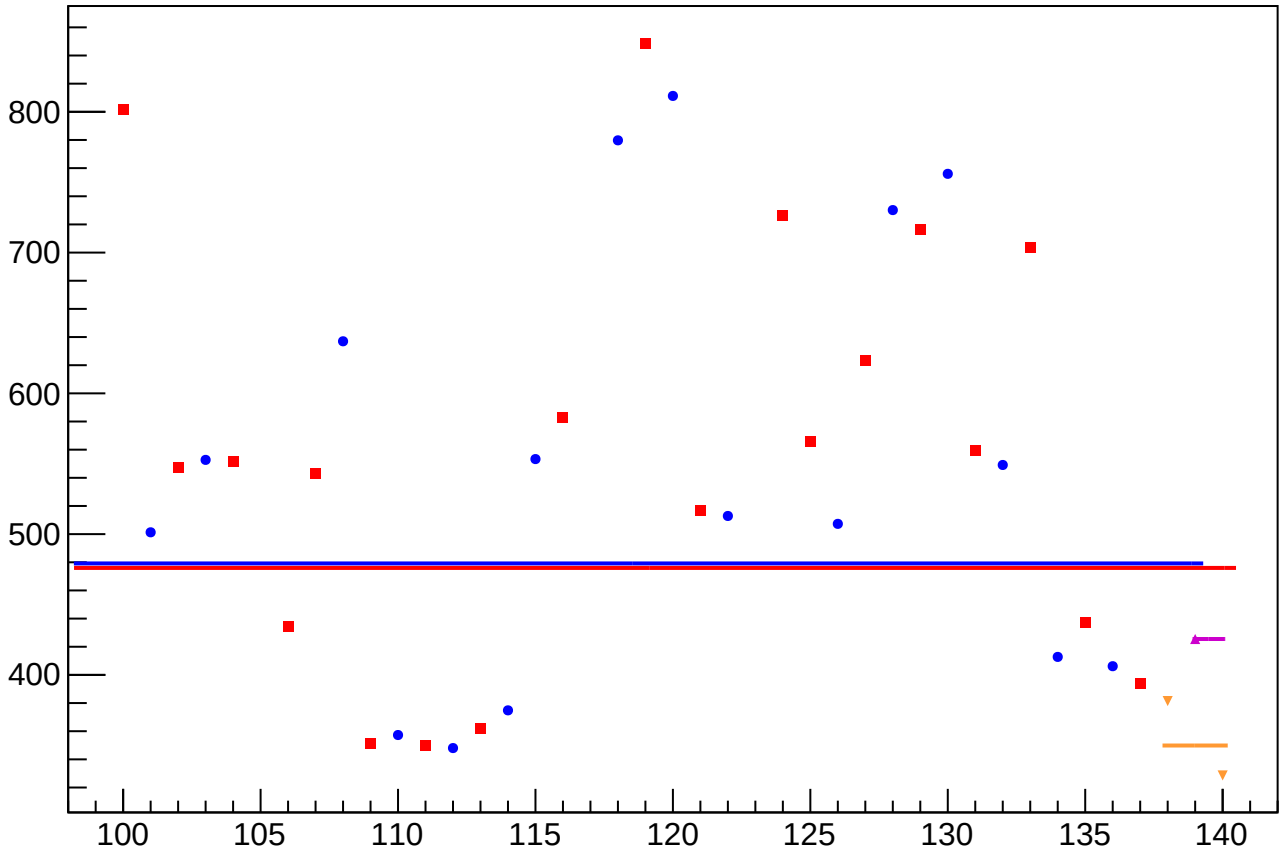
Left: 62.157+/-238.530 χ^2/NDF: 6.0/2

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 158.311+/-171.989 χ^2/NDF:27.2/16

Out: -167.707+/-151.527 χ^2/NDF:22.4/20

All: -25.235+/-113.696 χ^2/NDF: 51.6/37



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 349.840+/-0.197 χ^2/NDF:17346.5/1

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 425.502+/-0.328 χ^2/NDF:0.0/0

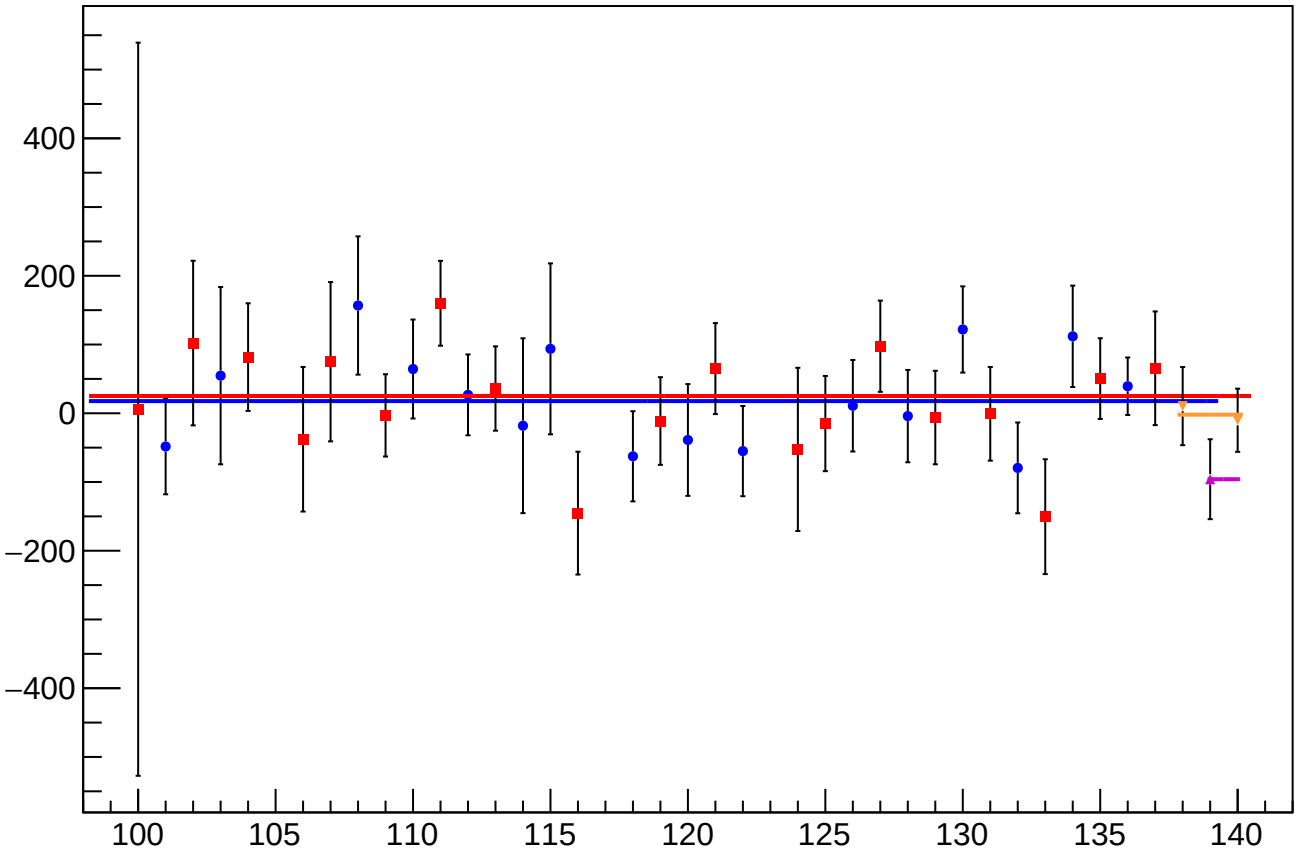
Left: 369.877+/-0.169 χ^2/NDF: 56524.8/2

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 471.787+/-0.122 χ^2/NDF:975821.1/16

Out: 438.565+/-0.107 χ^2/NDF:1313086.2/20

All: 453.083+/-0.080 χ^2/NDF: 2330921.7/37



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -2.045+/-35.735 χ^2/NDF:0.1/1

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -95.944+/-58.116 χ^2/NDF:0.0/0

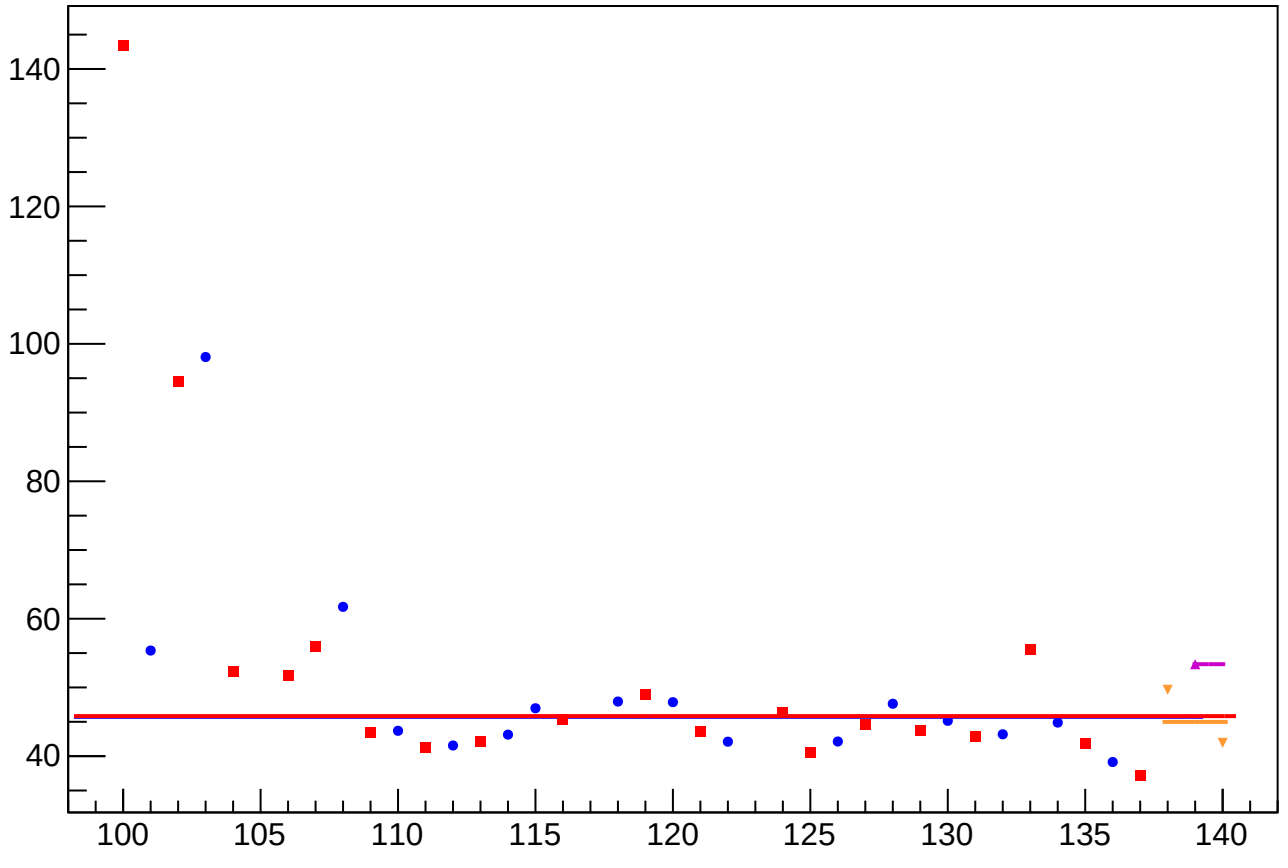
Left: -27.806+/-30.441 χ^2/NDF: 2.0/2

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: 8.287+/-16.730 χ^2/NDF:17.5/16

Out: 19.963+/-15.600 χ^2/NDF:18.5/20

All: 14.533+/-11.409 χ^2/NDF: 36.2/37



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 44.983+/-0.025 χ^2/NDF:22320.0/1

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 53.385+/-0.041 χ^2/NDF:0.0/0

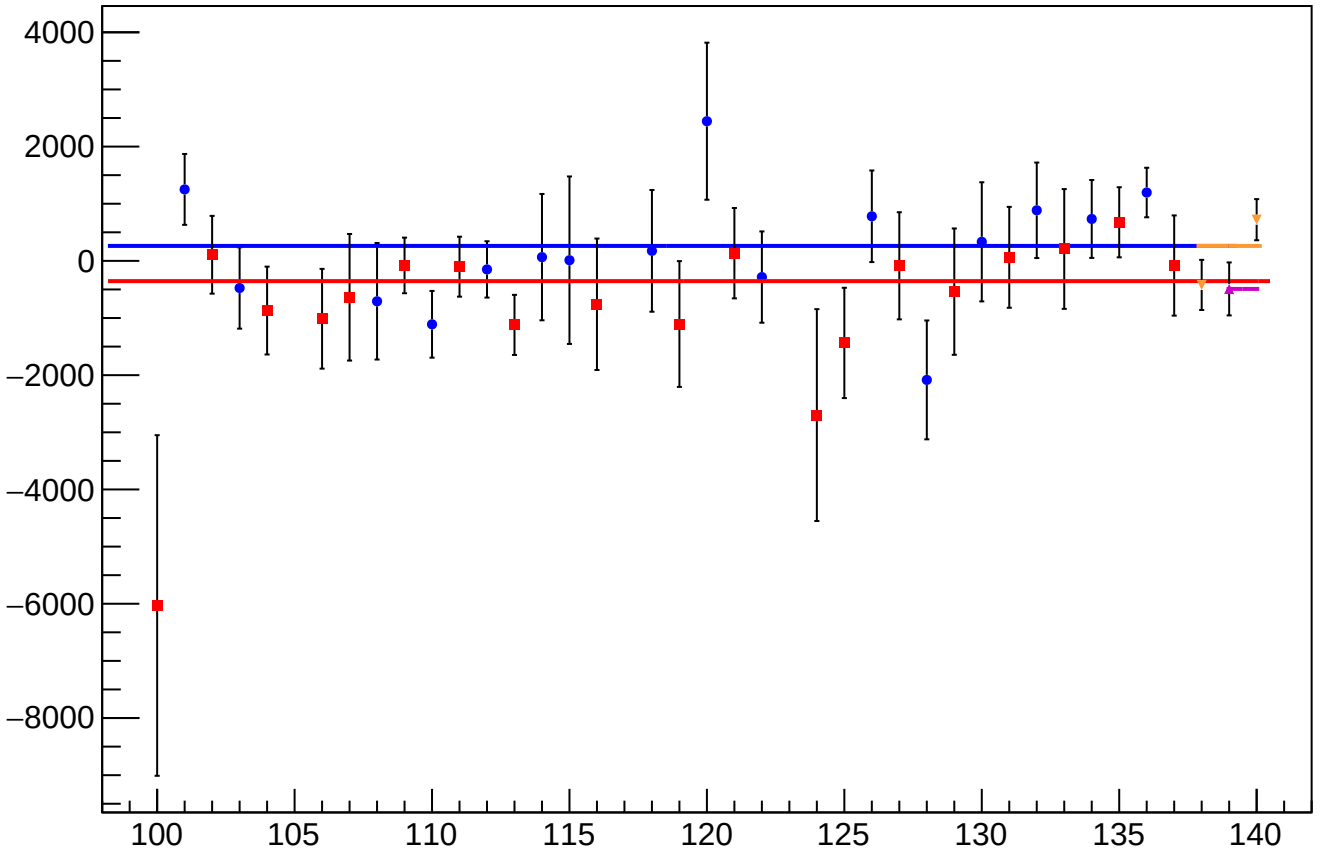
Left: 47.288+/-0.022 χ^2/NDF: 52654.0/2

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 46.361+/-0.012 χ^2/NDF:533314.7/16

Out: 45.665+/-0.011 χ^2/NDF:561690.3/20

All: 45.989+/-0.008 χ^2/NDF: 1096859.4/37



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 261.326+/-278.193 χ^2/NDF:4.1/1

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -490.763+/-463.516 χ^2/NDF:0.0/0

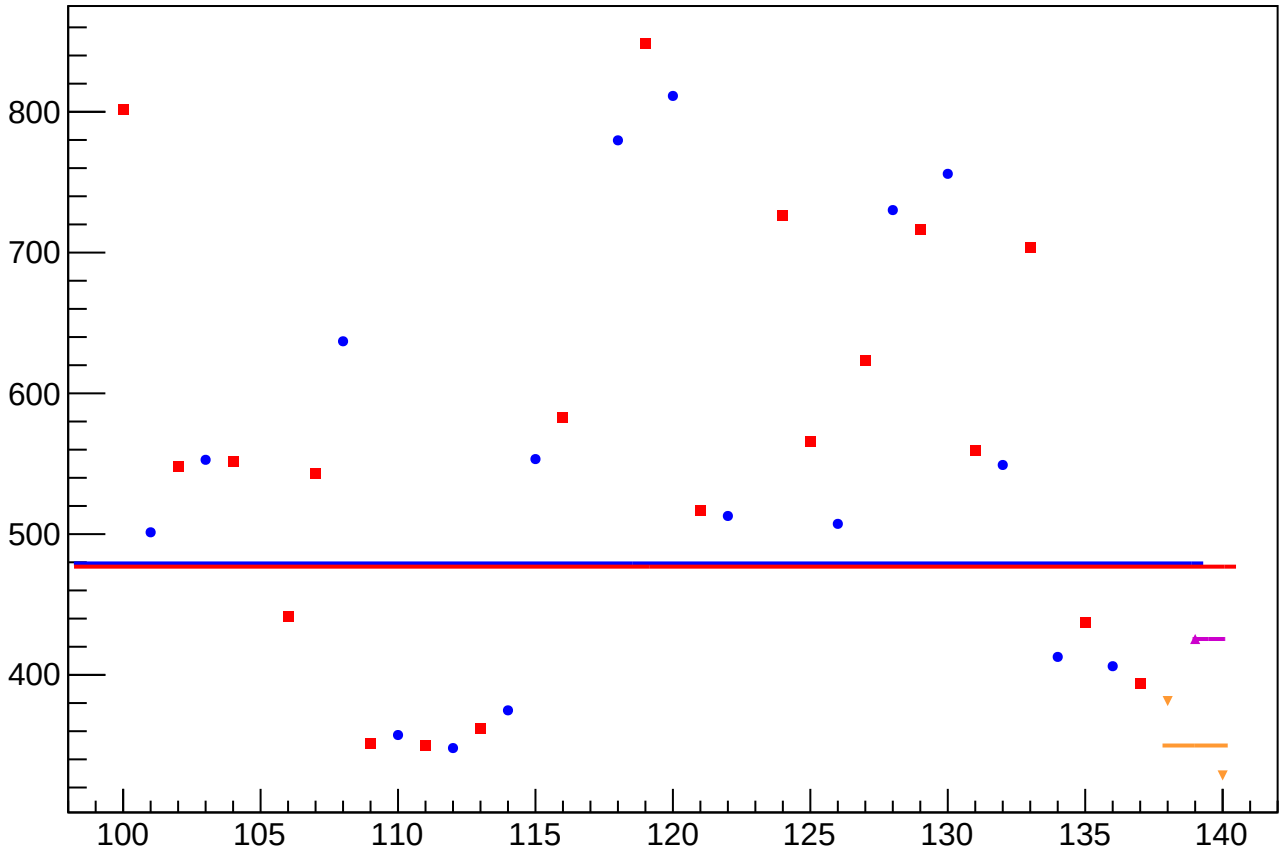
Left: 62.156+/-238.530 χ^2/NDF: 6.0/2

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 158.313+/-171.990 χ^2/NDF:27.2/16

Out: -169.854+/-152.245 χ^2/NDF:22.7/20

All: -25.681+/-113.998 χ^2/NDF: 52.0/37



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 349.840+/-0.197 χ^2/NDF:17346.9/1

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 425.502+/-0.328 χ^2/NDF:0.0/0

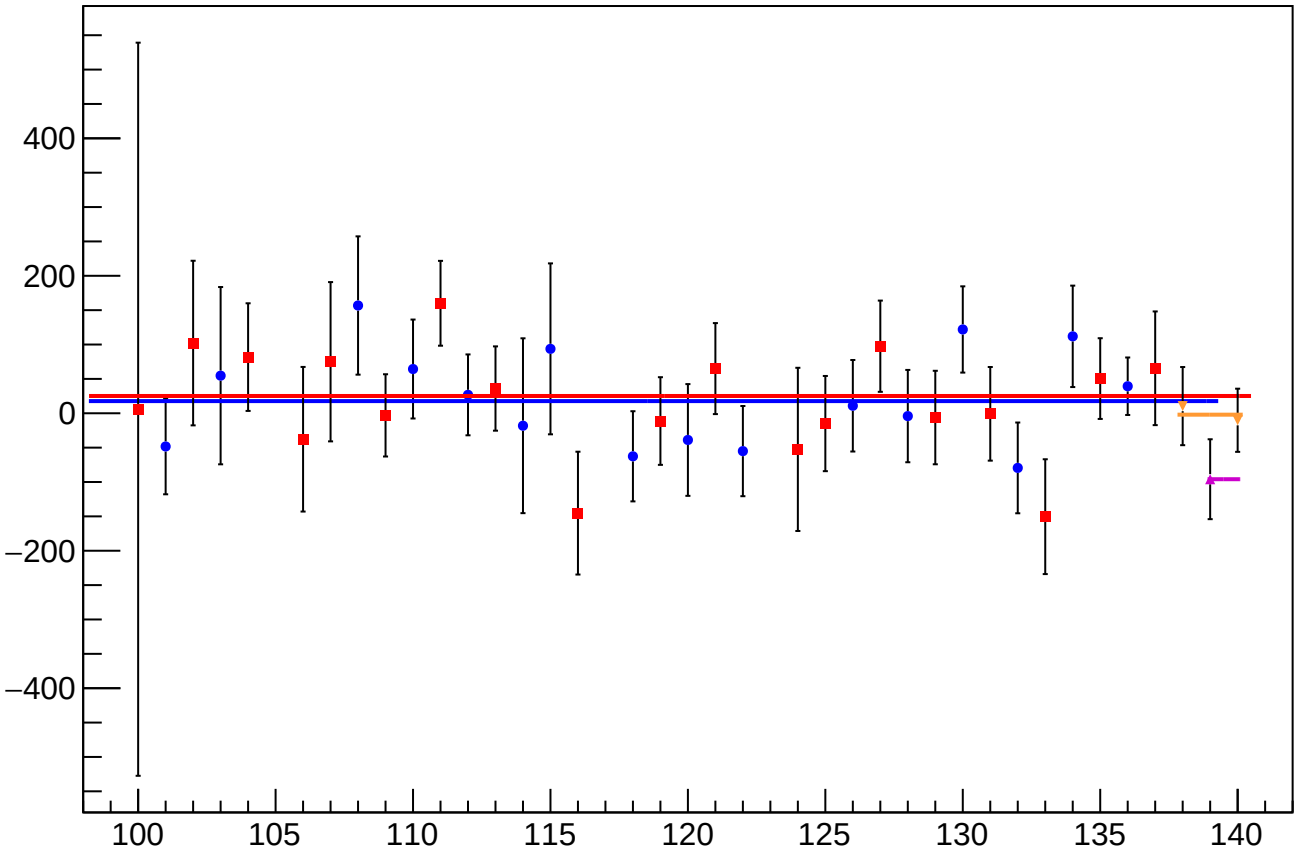
Left: 369.877+/-0.169 χ^2/NDF: 56525.5/2

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 471.789+/-0.122 χ^2/NDF:975851.7/16

Out: 438.841+/-0.108 χ^2/NDF:1313338.5/20

All: 453.316+/-0.081 χ^2/NDF: 2330344.0/37



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -2.045+/-35.735 χ^2/NDF:0.1/1

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -95.944+/-58.116 χ^2/NDF:0.0/0

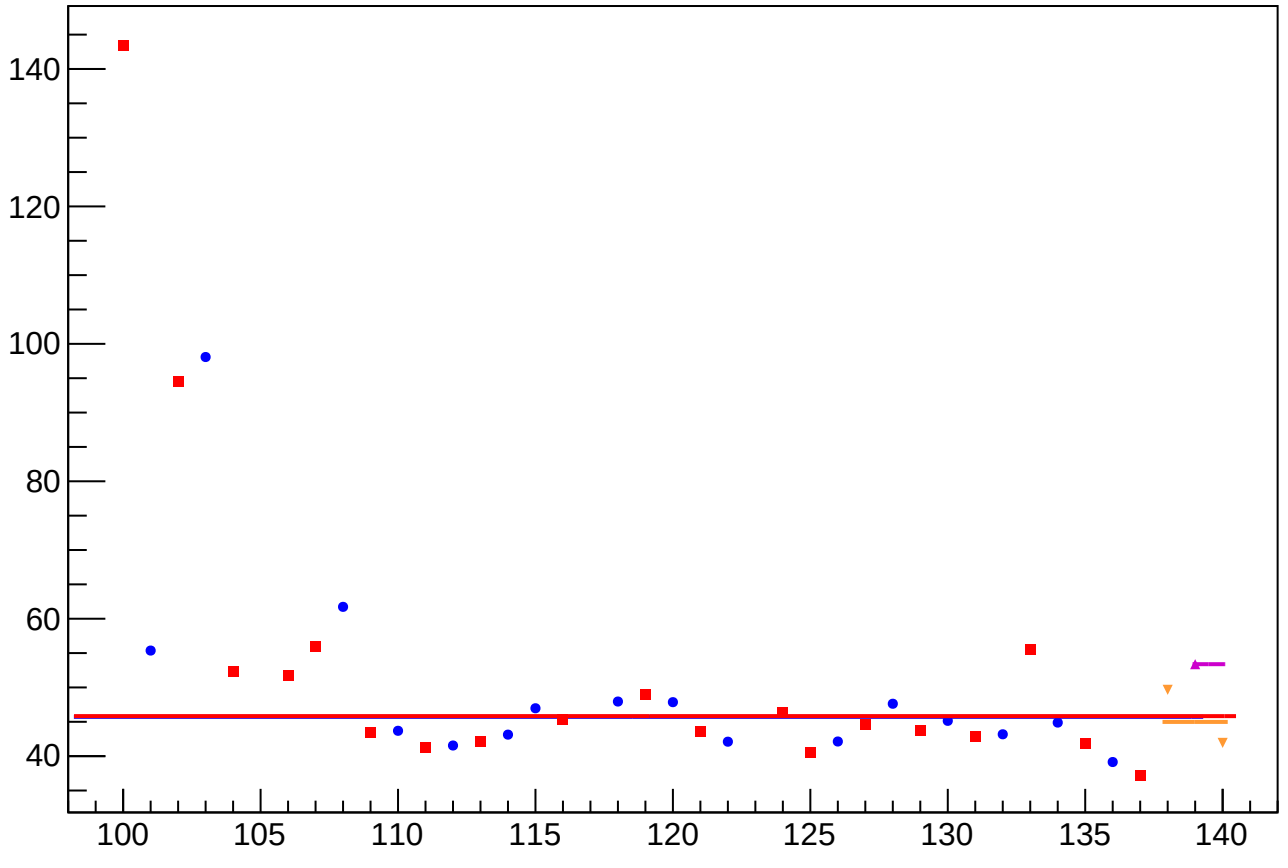
Left: -27.806+/-30.441 χ^2/NDF: 2.0/2

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: 8.287+/-16.730 χ^2/NDF:17.5/16

Out: 19.963+/-15.600 χ^2/NDF:18.5/20

All: 14.533+/-11.409 χ^2/NDF: 36.2/37



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 44.983+/-0.025 χ^2/NDF:22320.0/1

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 53.385+/-0.041 χ^2/NDF:0.0/0

Left: 47.288+/-0.022 χ^2/NDF: 52654.0/2

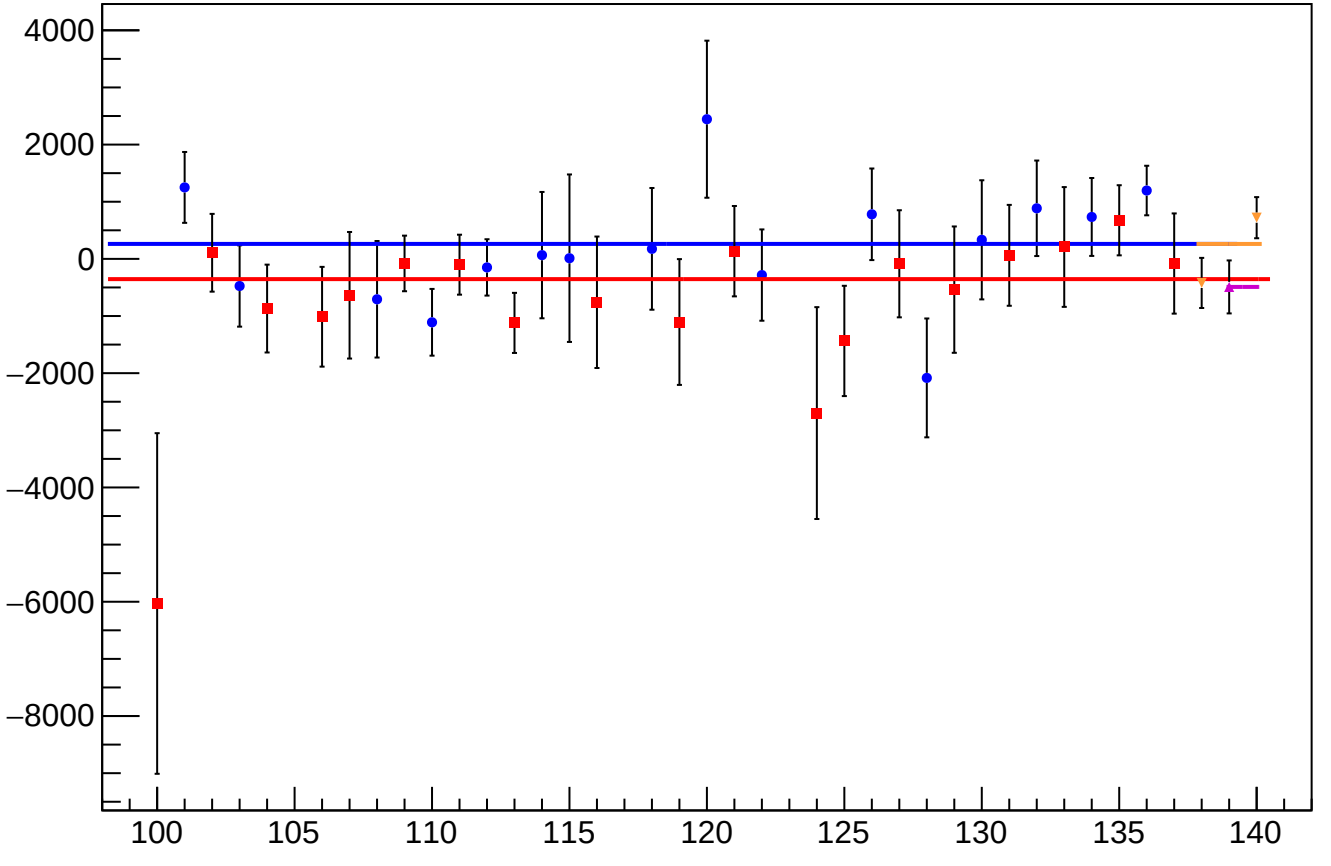
Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 46.361+/-0.012 χ^2/NDF:533314.7/16

Out: 45.665+/-0.011 χ^2/NDF:561690.3/20

All: 45.989+/-0.008 χ^2/NDF: 1096859.4/37

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 261.326+/-278.193 χ^2/NDF:4.1/1

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -490.763+/-463.516 χ^2/NDF:0.0/0

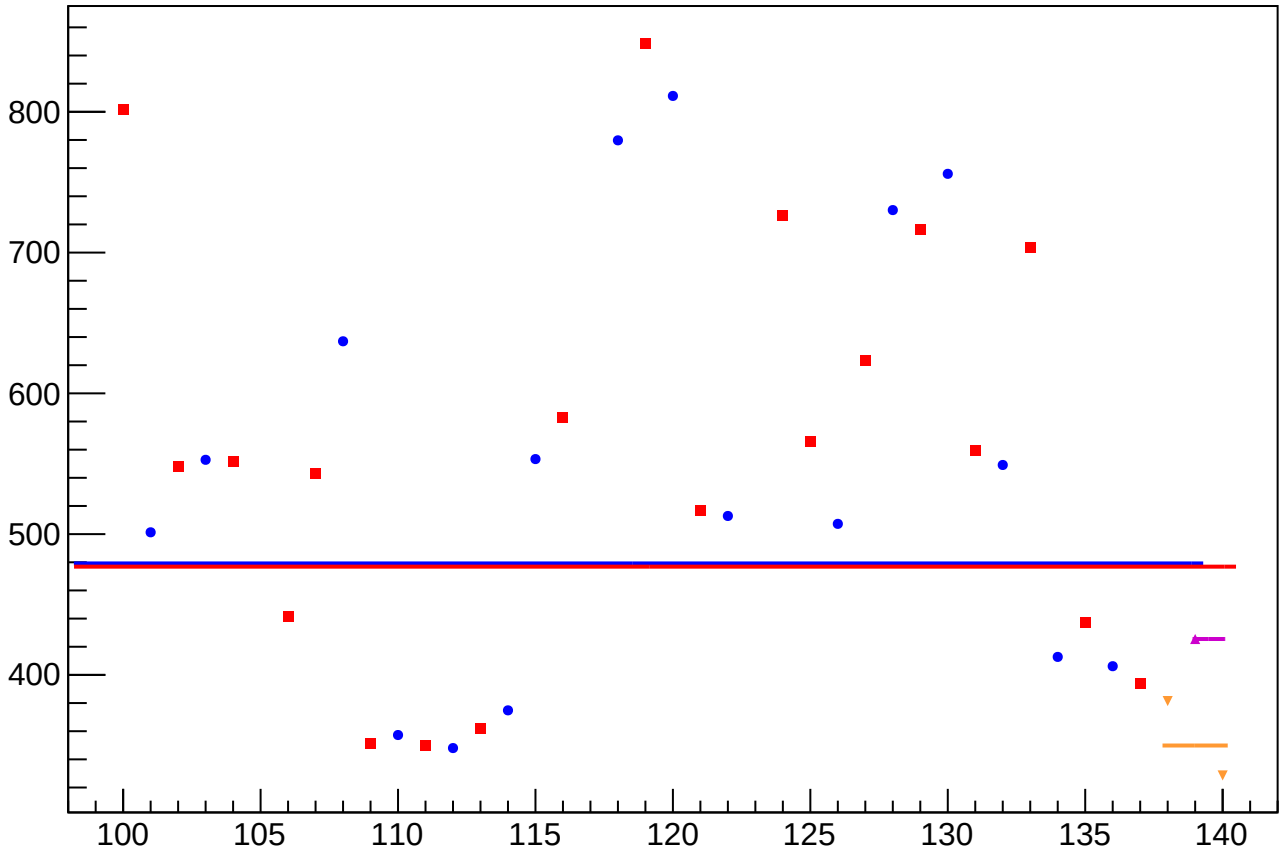
Left: 62.156+/-238.530 χ^2/NDF: 6.0/2

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 158.313+/-171.990 χ^2/NDF:27.2/16

Out: -169.854+/-152.245 χ^2/NDF:22.7/20

All: -25.681+/-113.998 χ^2/NDF: 52.0/37



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 349.840+/-0.197 χ^2/NDF:17346.9/1

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 425.502+/-0.328 χ^2/NDF:0.0/0

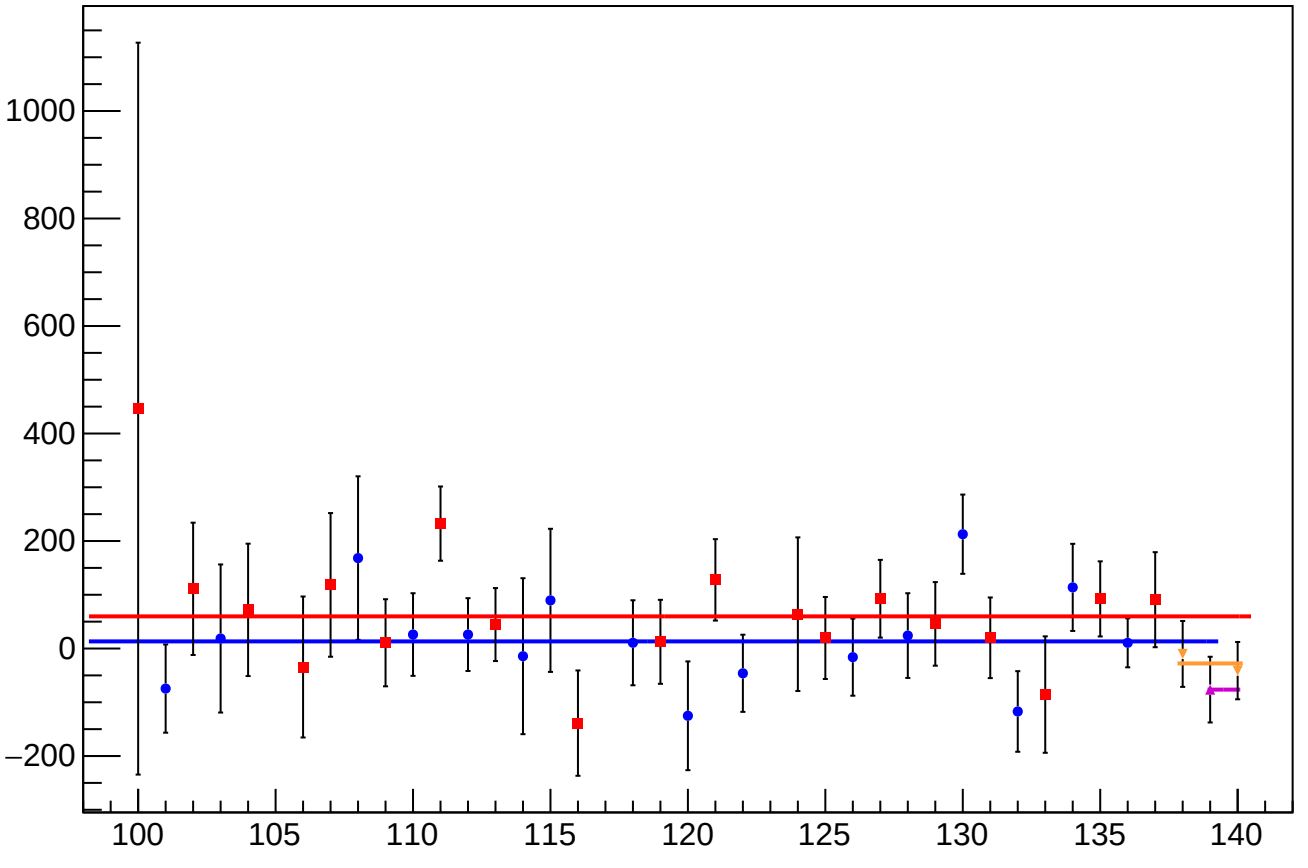
Left: 369.877+/-0.169 χ^2/NDF: 56525.5/2

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 471.789+/-0.122 χ^2/NDF:975851.7/16

Out: 438.841+/-0.108 χ^2/NDF:1313338.5/20

All: 453.316+/-0.081 χ^2/NDF: 2330344.0/37



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -27.739+/-40.235 χ^2/NDF:0.1/1

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -76.458+/-61.126 χ^2/NDF:0.0/0

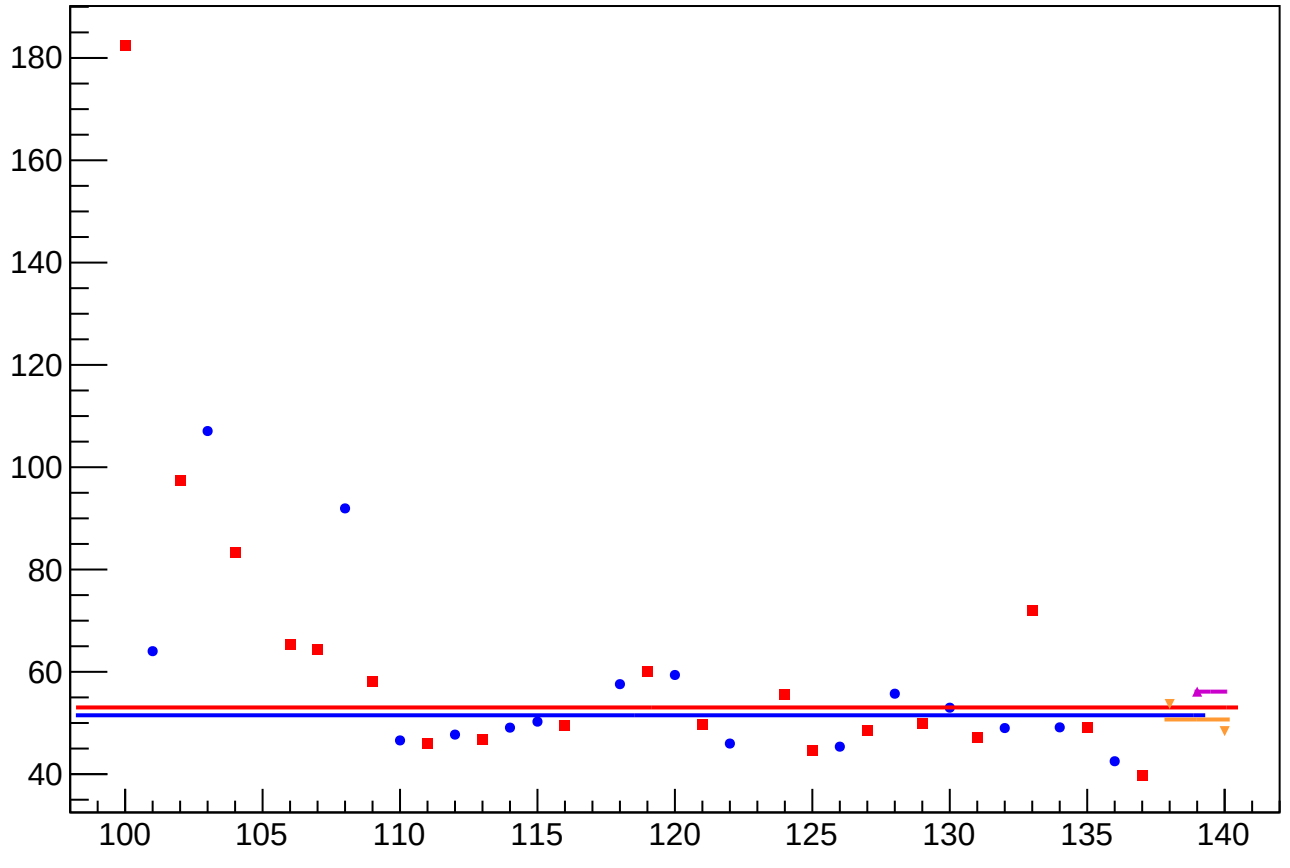
Left: -42.467+/-33.608 χ^2/NDF: 0.6/2

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: 4.708+/-18.879 χ^2/NDF:19.2/16

Out: 42.138+/-18.077 χ^2/NDF:20.0/20

All: 24.235+/-13.057 χ^2/NDF: 41.3/37



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 50.685+/-0.028 χ^2/NDF:8524.7/1

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 56.130+/-0.043 χ^2/NDF:0.0/0

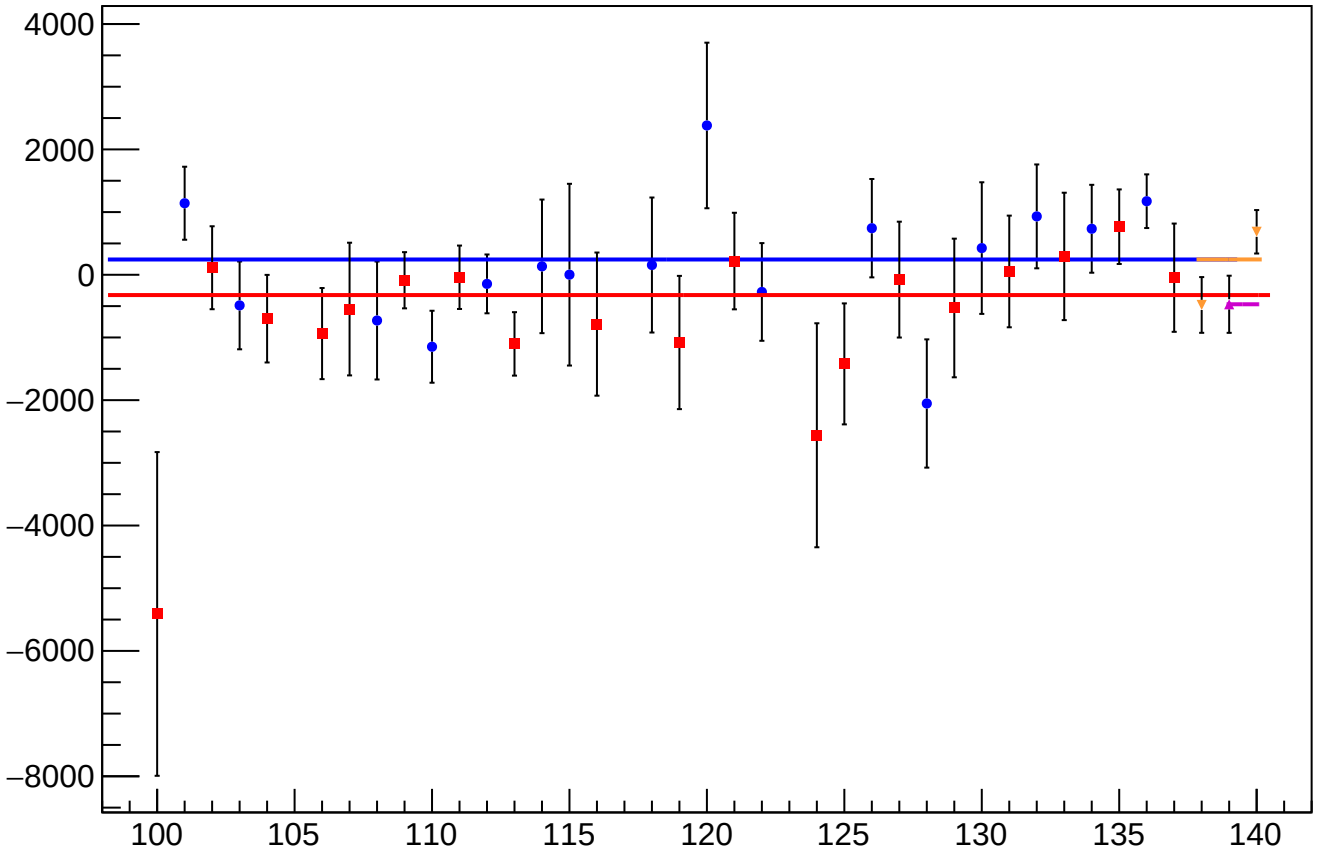
Left: 52.331+/-0.024 χ^2/NDF: 19597.2/2

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 51.947+/-0.013 χ^2/NDF:677412.8/16

Out: 52.562+/-0.013 χ^2/NDF:726891.1/20

All: 52.268+/-0.009 χ^2/NDF: 1405414.2/37



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 244.549+/-273.340 χ^2/NDF:4.3/1

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: -470.462+/-455.724 χ^2/NDF:0.0/0

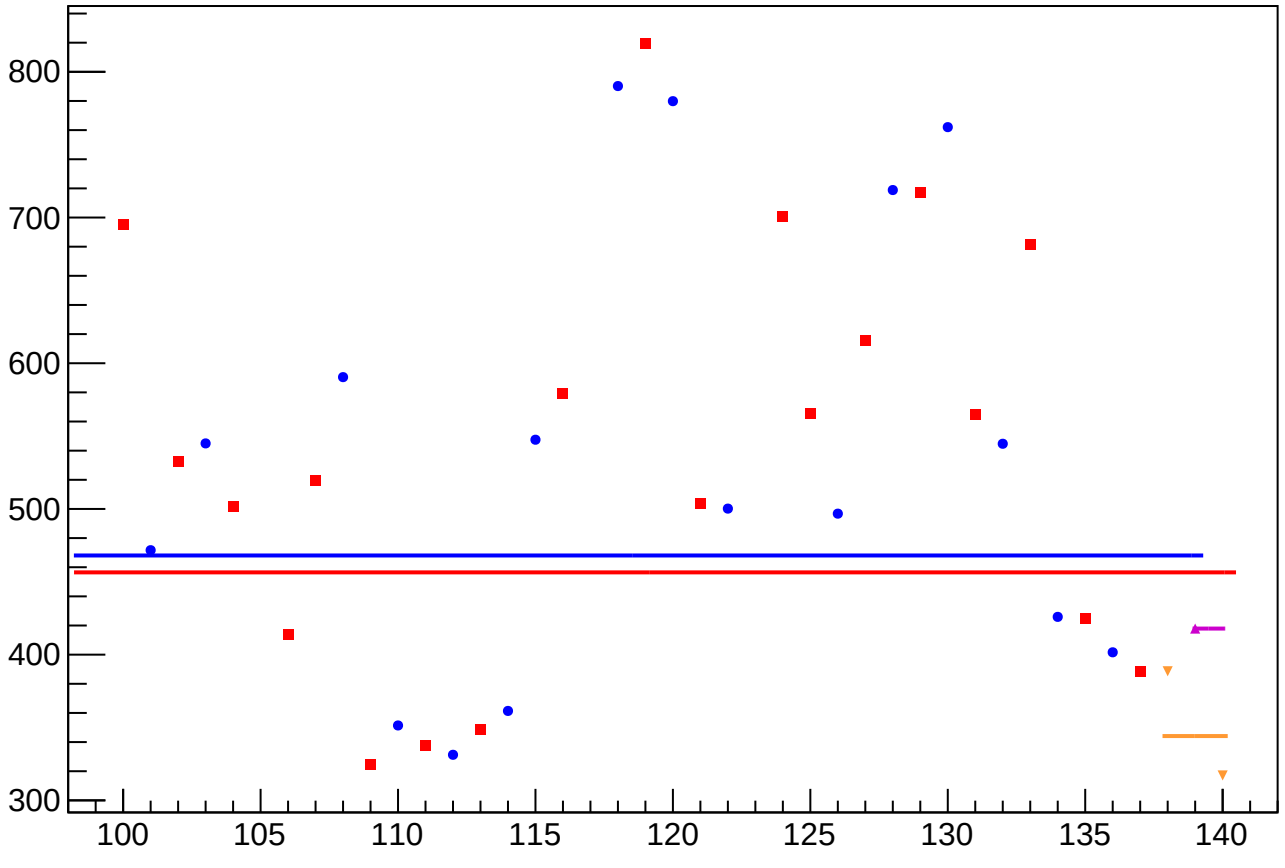
Left: 55.377+/-234.409 χ^2/NDF: 6.1/2

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 146.624+/-168.115 χ^2/NDF:27.7/16

Out: -160.277+/-146.562 χ^2/NDF:23.8/20

All: -27.749+/-110.475 χ^2/NDF: 53.4/37



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 344.131+/-0.193 χ^2/NDF:32167.8/1

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 417.902+/-0.322 χ^2/NDF:0.0/0

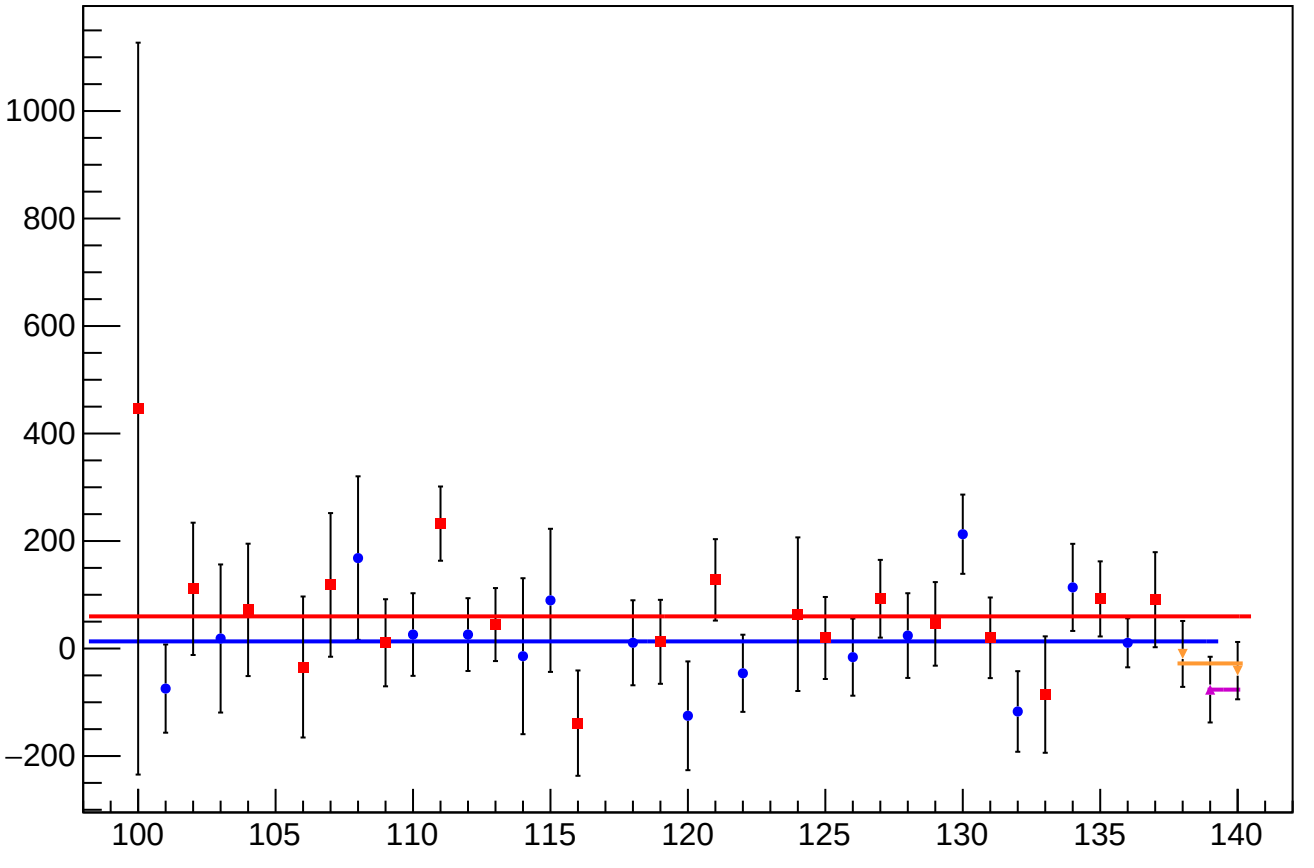
Left: 363.649+/-0.166 χ^2/NDF: 70710.8/2

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 461.239+/-0.119 χ^2/NDF:1003849.9/16

Out: 424.171+/-0.104 χ^2/NDF:1355425.4/20

All: 440.178+/-0.078 χ^2/NDF: 2414521.1/37



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -27.739+/-40.235 χ^2/NDF:0.1/1

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -76.458+/-61.126 χ^2/NDF:0.0/0

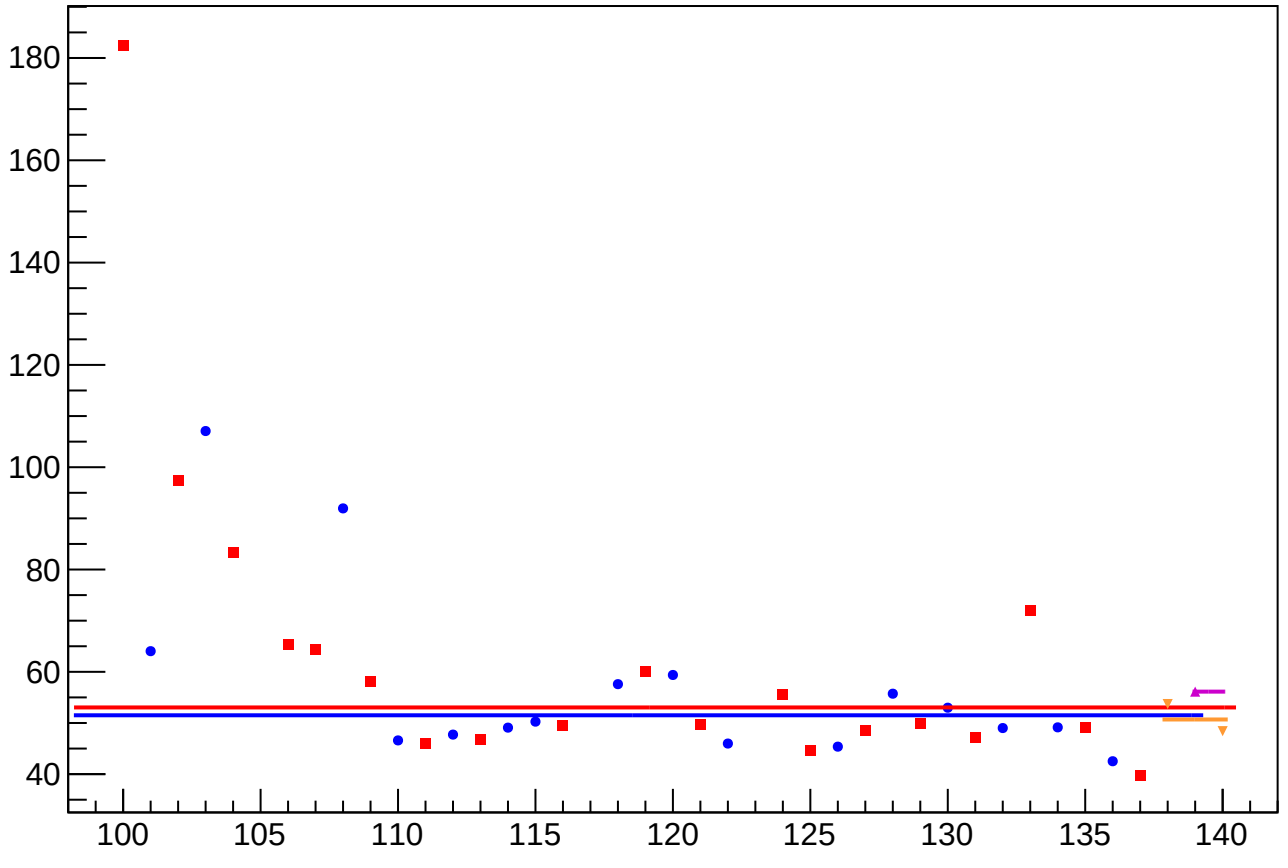
Left: -42.467+/-33.608 χ^2/NDF: 0.6/2

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: 4.708+/-18.879 χ^2/NDF:19.2/16

Out: 42.139+/-18.077 χ^2/NDF:20.0/20

All: 24.235+/-13.057 χ^2/NDF: 41.3/37



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 50.685+/-0.028 χ^2/NDF:8524.8/1

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 56.130+/-0.043 χ^2/NDF:0.0/0

Left: 52.331+/-0.024 χ^2/NDF: 19597.0/2

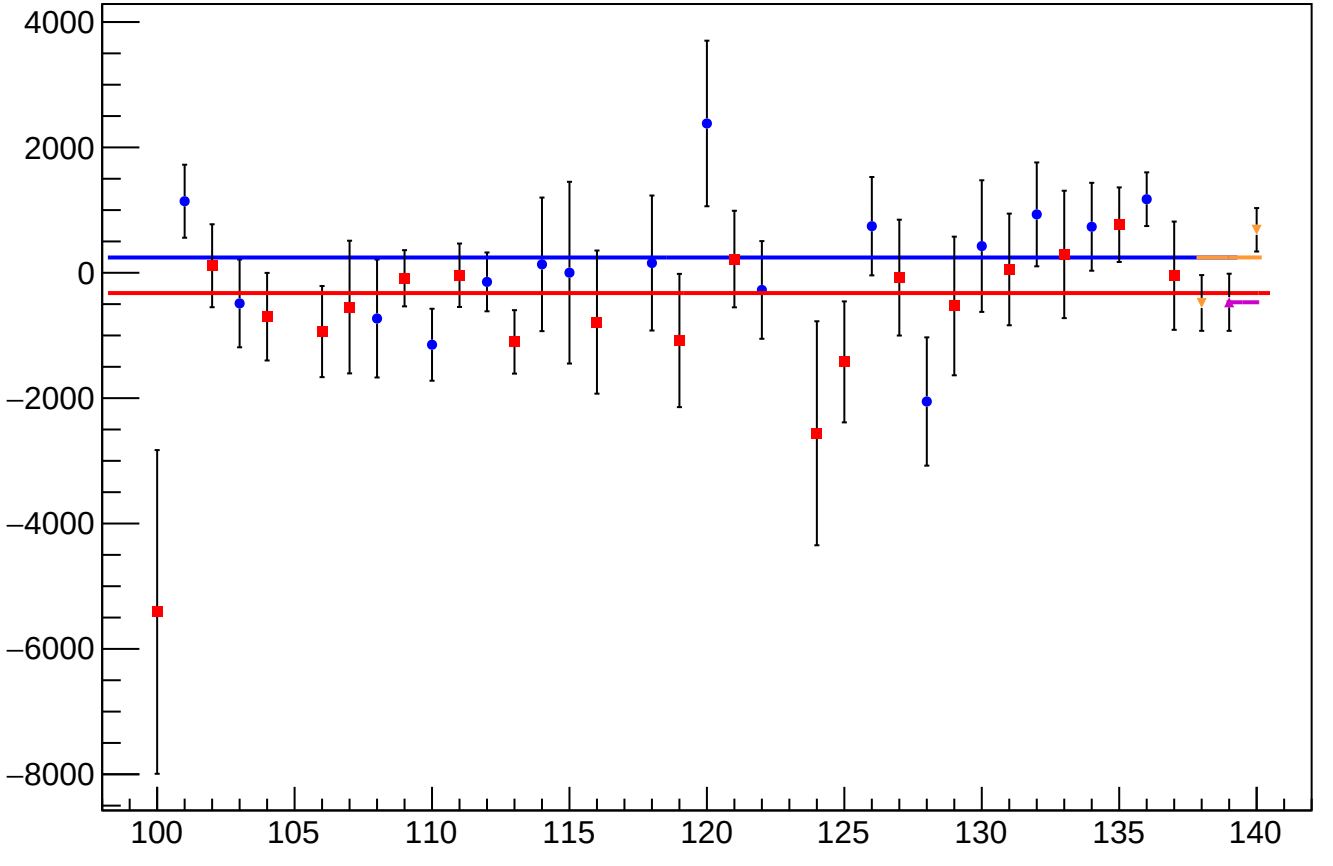
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 51.947+/-0.013 χ^2/NDF:677418.5/16

Out: 52.563+/-0.013 χ^2/NDF:726900.9/20

All: 52.268+/-0.009 χ^2/NDF: 1405429.9/37

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 244.550+/-273.340 χ^2/NDF:4.3/1

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -470.461+/-455.725 χ^2/NDF:0.0/0

Left: 55.378+/-234.409 χ^2/NDF: 6.1/2

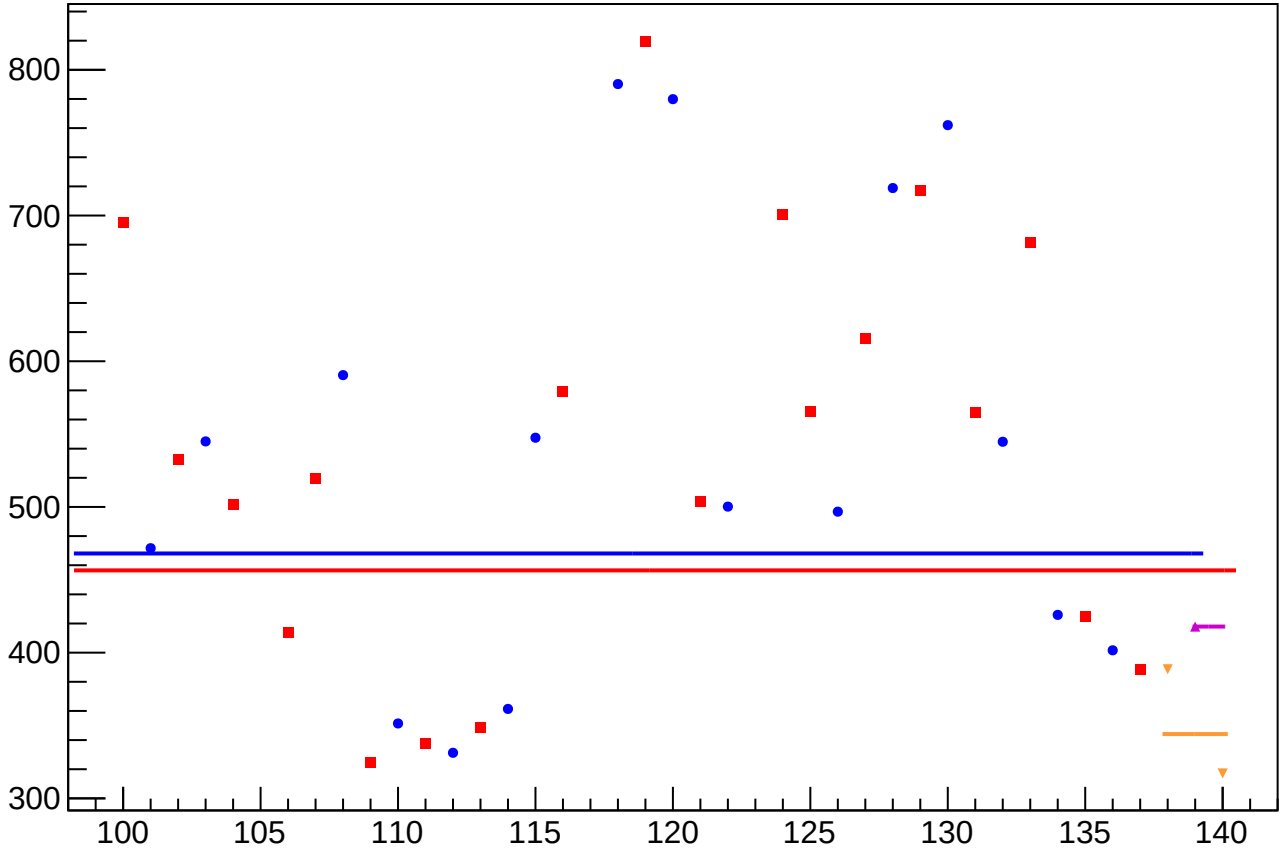
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 146.623+/-168.115 χ^2/NDF:27.7/16

Out: -160.278+/-146.562 χ^2/NDF:23.8/20

All: -27.750+/-110.474 χ^2/NDF: 53.4/37

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 344.131+/-0.193 χ^2/NDF:32168.2/1

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 417.903+/-0.322 χ^2/NDF:0.0/0

Left: 363.649+/-0.166 χ^2/NDF: 70711.1/2

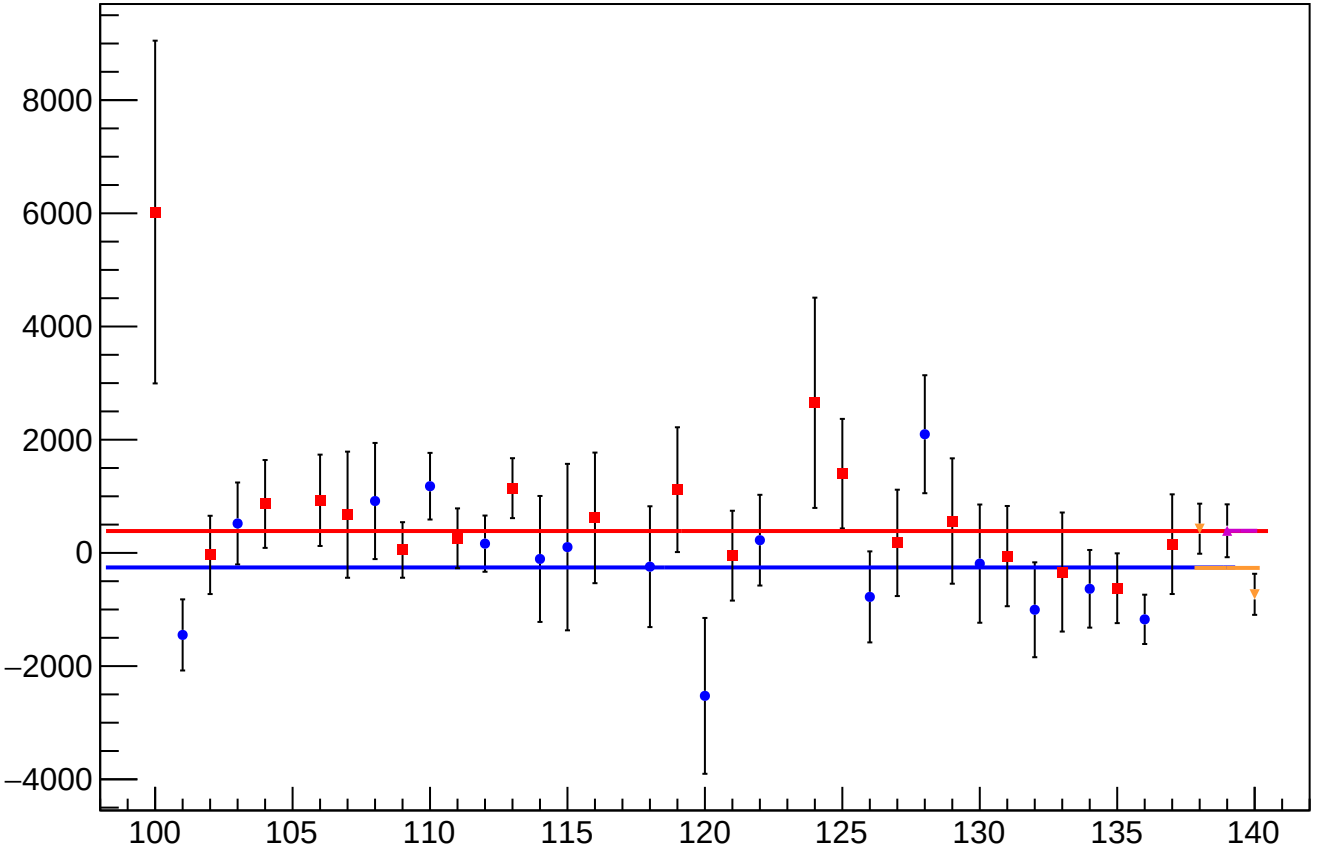
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 461.239+/-0.119 χ^2/NDF:1003849.5/16

Out: 424.171+/-0.104 χ^2/NDF:1355416.8/20

All: 440.178+/-0.078 χ^2/NDF: 2414511.2/37

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -265.210+/-280.509 χ^2/NDF:4.1/1

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: 391.135+/-467.181 χ^2/NDF:0.0/0

Left: -91.289+/-240.489 χ^2/NDF: 5.6/2

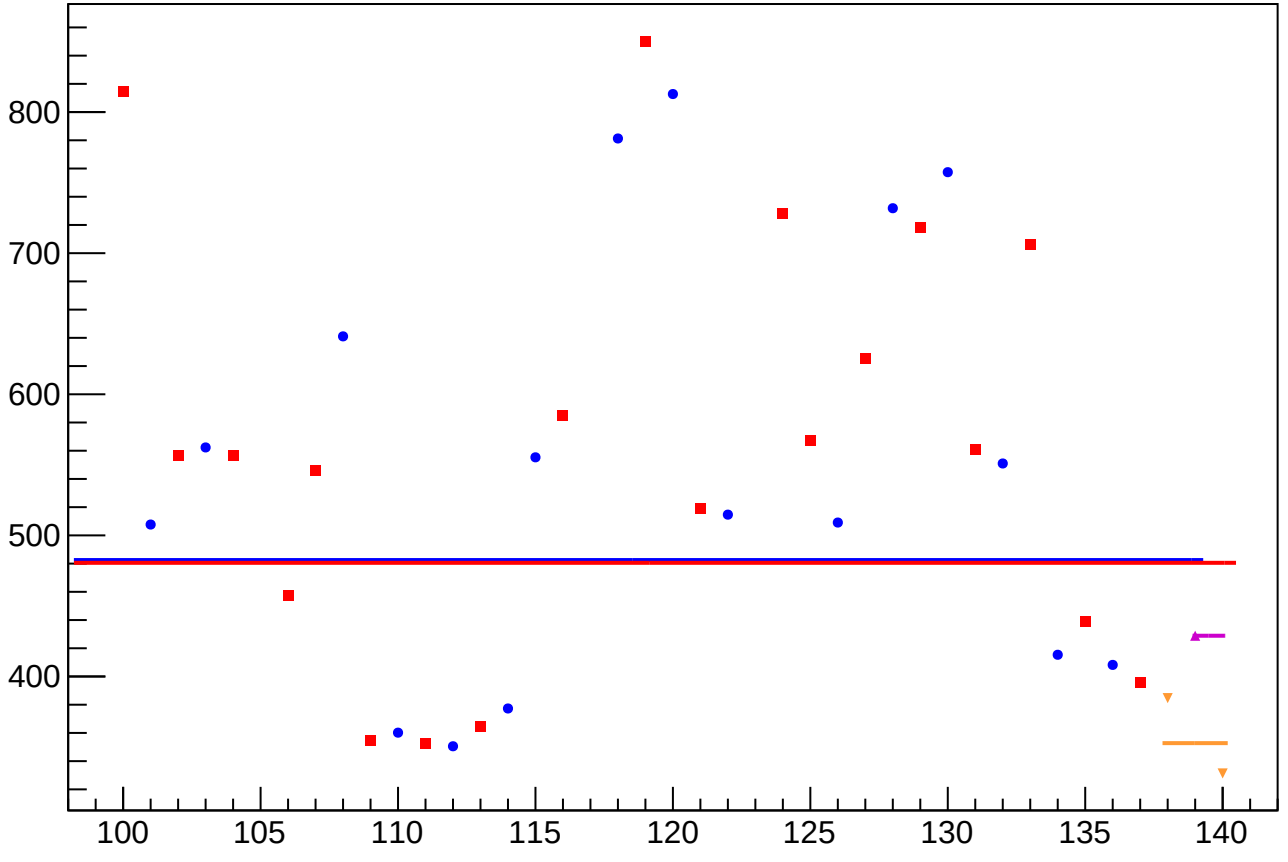
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -167.723+/-173.178 χ^2/NDF:28.6/16

Out: 192.850+/-152.893 χ^2/NDF:22.1/20

All: 34.908+/-114.616 χ^2/NDF: 53.2/37

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 352.766+/-0.198 χ^2/NDF:17416.1/1

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 428.880+/-0.330 χ^2/NDF:0.0/0

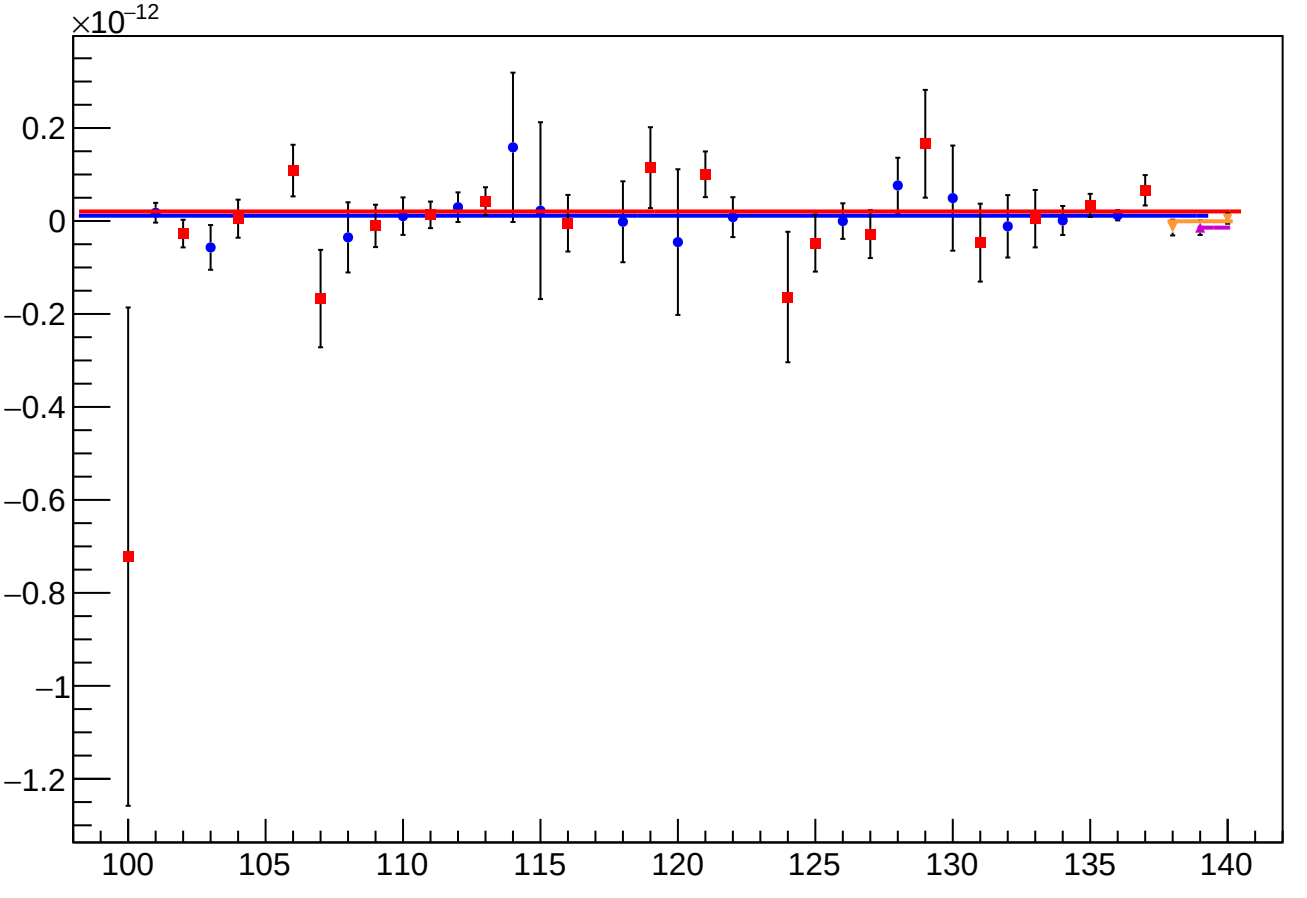
Left: 372.935+/-0.170 χ^2/NDF: 56435.5/2

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 475.143+/-0.122 χ^2/NDF:969262.6/16

Out: 442.594+/-0.108 χ^2/NDF:1302991.6/20

All: 456.851+/-0.081 χ^2/NDF: 2311958.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

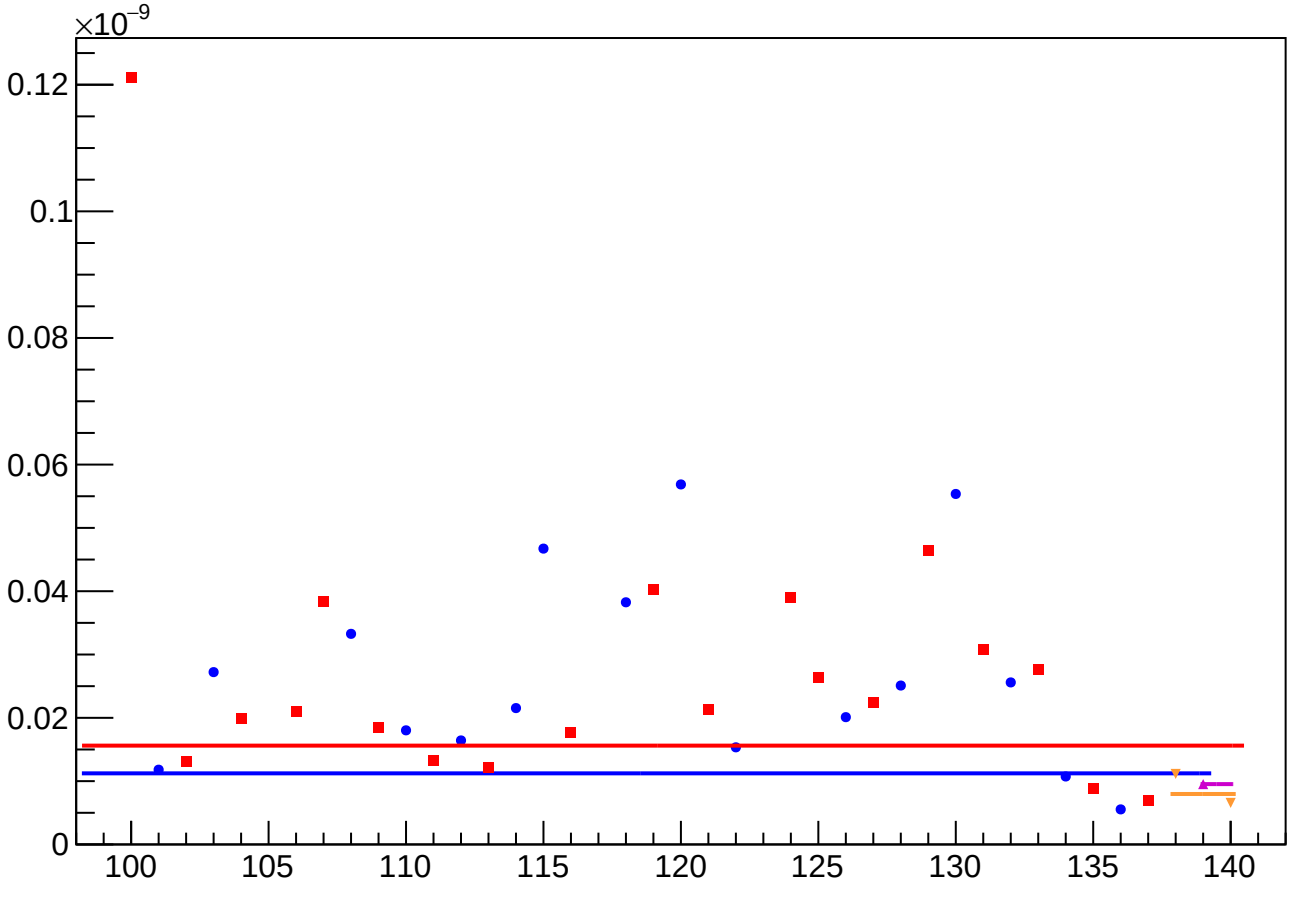
Left: -0.000+/-0.000 χ^2/NDF: 1.5/2

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: 0.000+/-0.000 χ^2/NDF:7.5/16

Out: 0.000+/-0.000 χ^2/NDF:27.0/20

All: 0.000+/-0.000 χ^2/NDF: 34.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:101177.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 115541.4/2

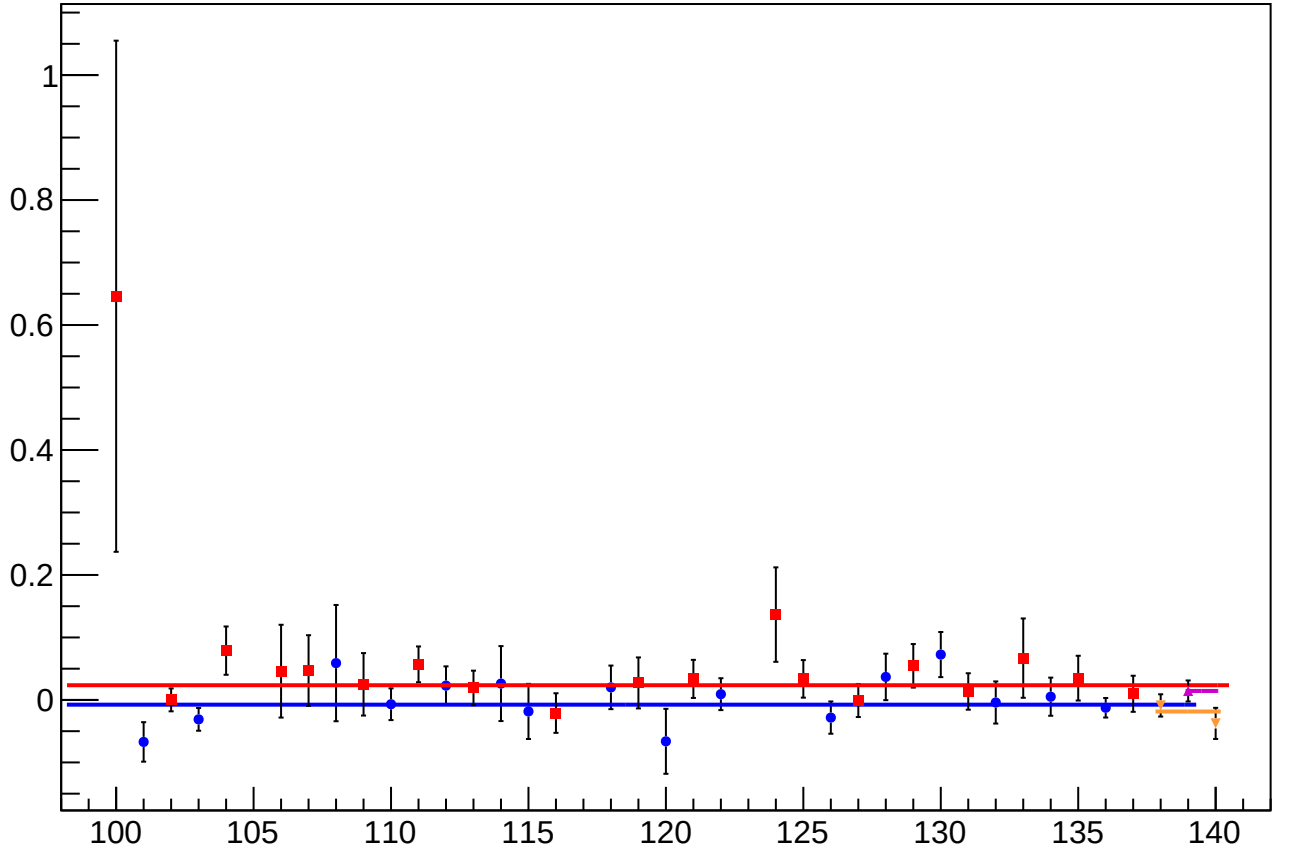
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2121419.0/16

Out: 0.000+/-0.000 χ^2/NDF:1889030.7/20

All: 0.000+/-0.000 χ^2/NDF: 4016965.7/37

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.019+/-0.014 χ^2/NDF:0.9/1

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.014+/-0.017 χ^2/NDF:0.0/0

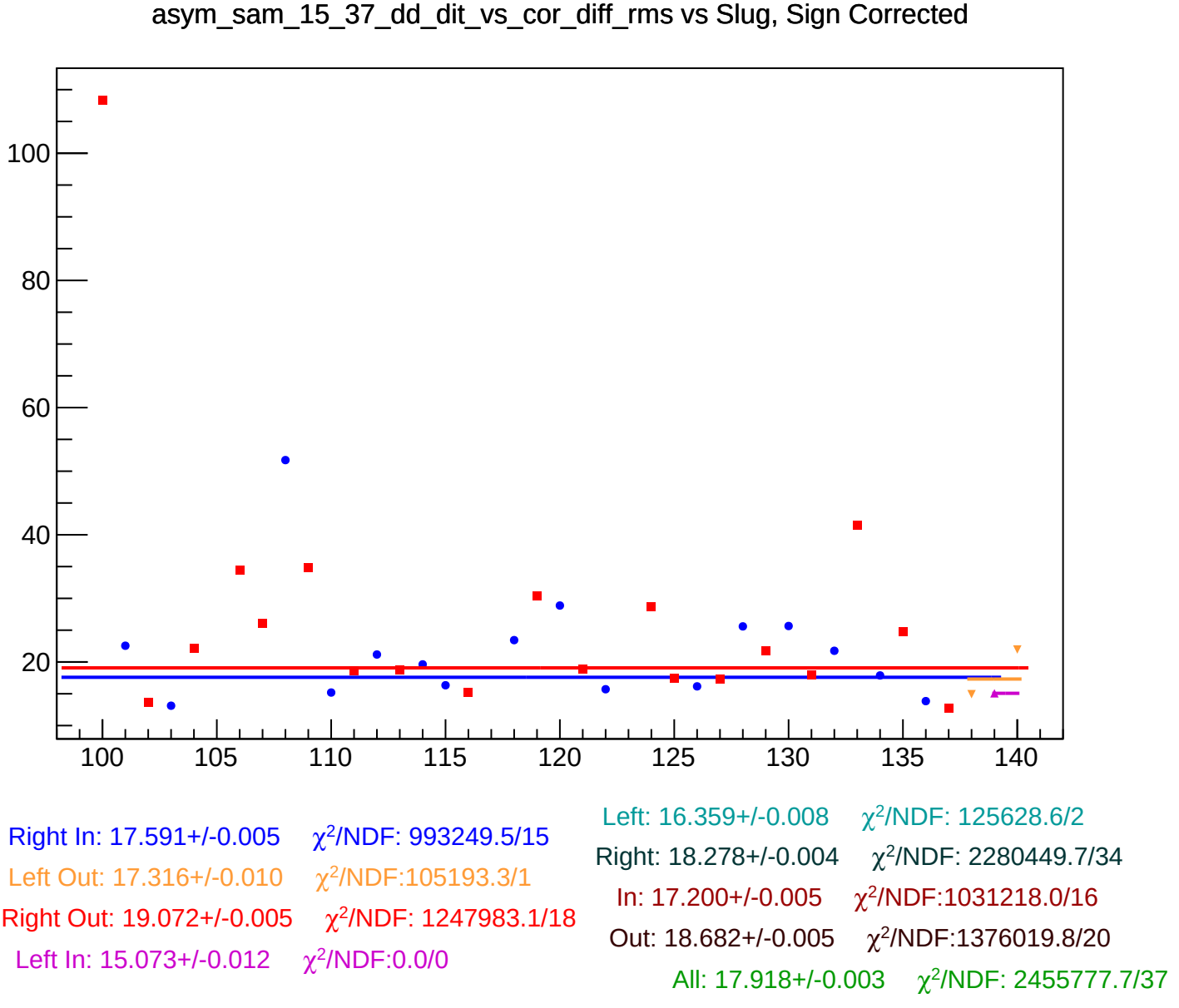
Left: -0.004+/-0.011 χ^2/NDF: 3.1/2

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

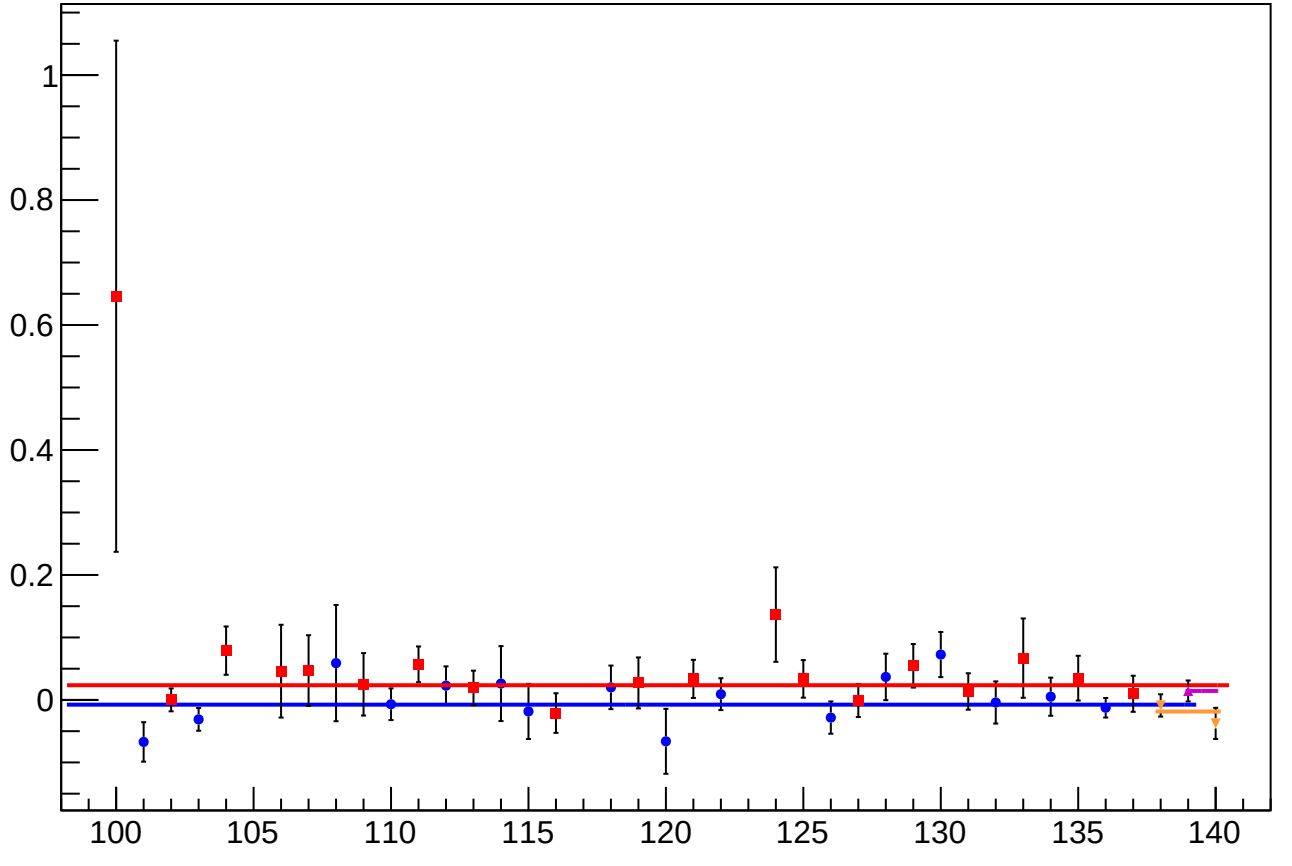
In: -0.004+/-0.007 χ^2/NDF:18.2/16

Out: 0.014+/-0.007 χ^2/NDF:22.1/20

All: 0.005+/-0.005 χ^2/NDF: 44.0/37


asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
100
80
60
40
20
100
105
110
115
120
125
130
135
140
Right In: 17.591+/-0.005 χ²/NDF: 993249.5/15
Left Out: 17.316+/-0.010 χ²/NDF:105193.3/1
Right Out: 19.072+/-0.005 χ²/NDF: 1247983.1/18
Left In: 15.073+/-0.012 χ²/NDF:0.0/0
Left: 16.359+/-0.008 χ²/NDF: 125628.6/2
Right: 18.278+/-0.004 χ²/NDF: 2280449.7/34
In: 17.200+/-0.005 χ²/NDF:1031218.0/16
Out: 18.682+/-0.005 χ²/NDF:1376019.8/20
All: 17.918+/-0.003 χ²/NDF: 2455777.7/37

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.019+/-0.014 χ^2/NDF:0.9/1

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.014+/-0.017 χ^2/NDF:0.0/0

Left: -0.004+/-0.011 χ^2/NDF: 3.1/2

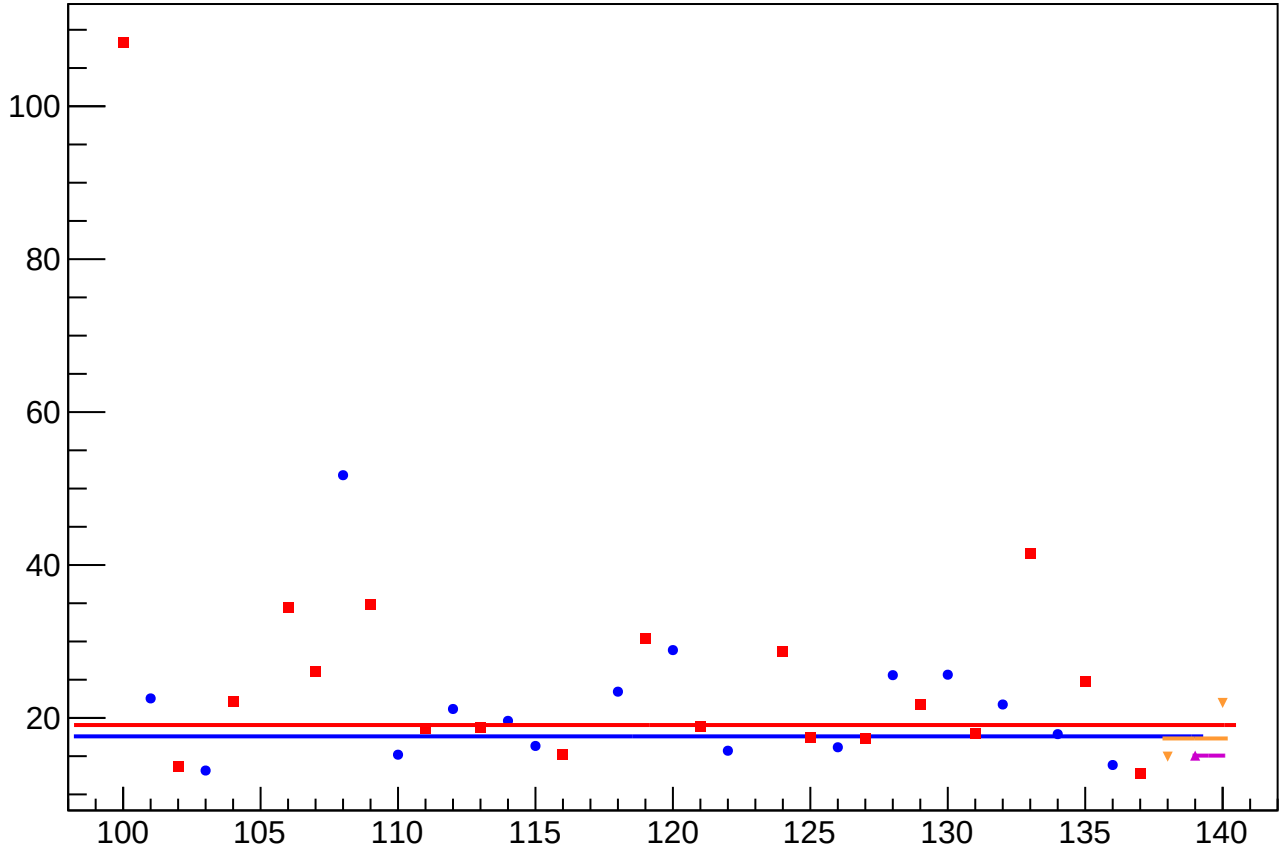
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.007 χ^2/NDF:18.2/16

Out: 0.014+/-0.007 χ^2/NDF:22.1/20

All: 0.005+/-0.005 χ^2/NDF: 44.0/37

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 17.316+/-0.010 χ^2/NDF:105193.3/1

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.073+/-0.012 χ^2/NDF:0.0/0

Left: 16.359+/-0.008 χ^2/NDF: 125628.6/2

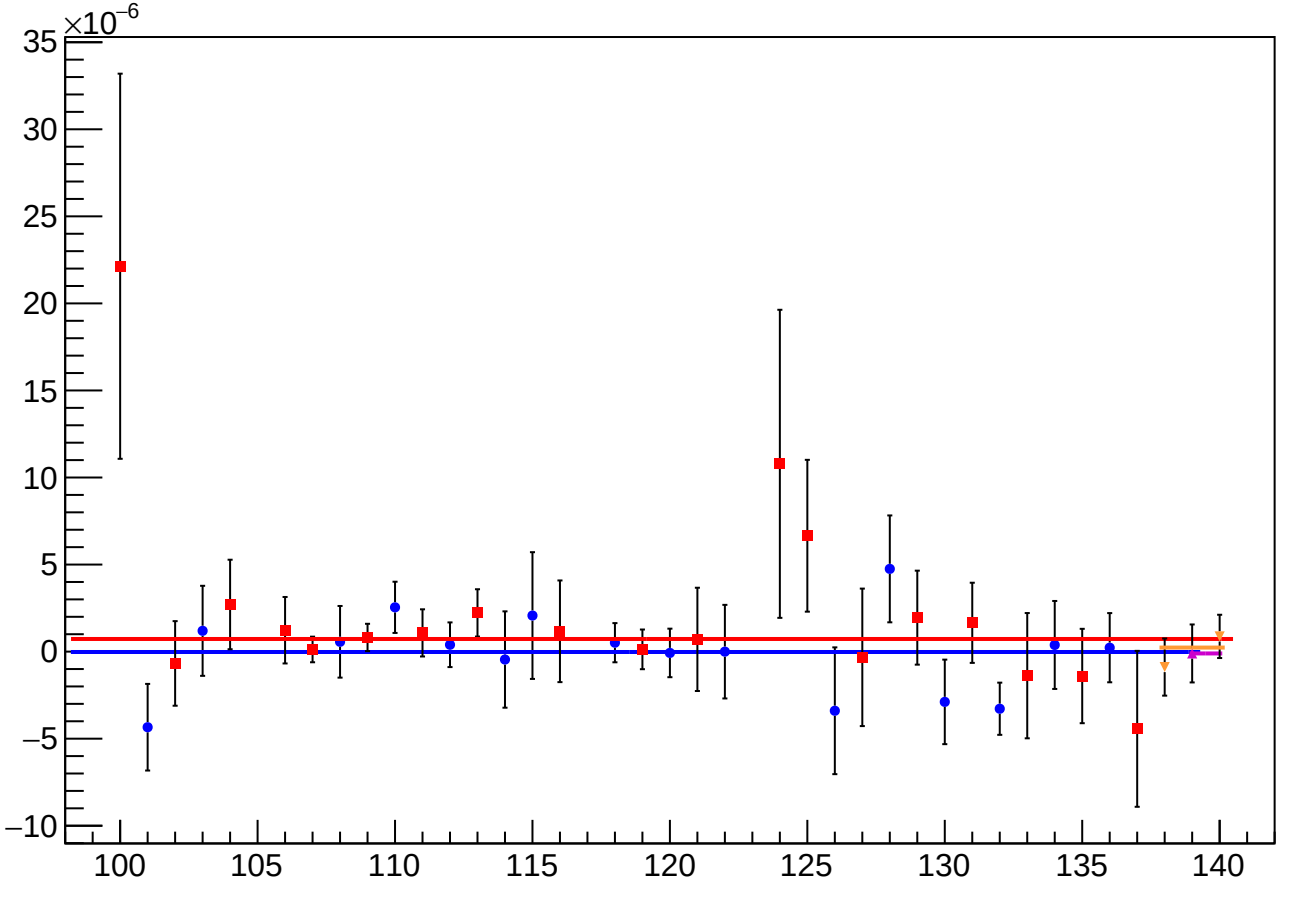
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.200+/-0.005 χ^2/NDF:1031218.0/16

Out: 18.682+/-0.005 χ^2/NDF:1376019.8/20

All: 17.918+/-0.003 χ^2/NDF: 2455777.7/37

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

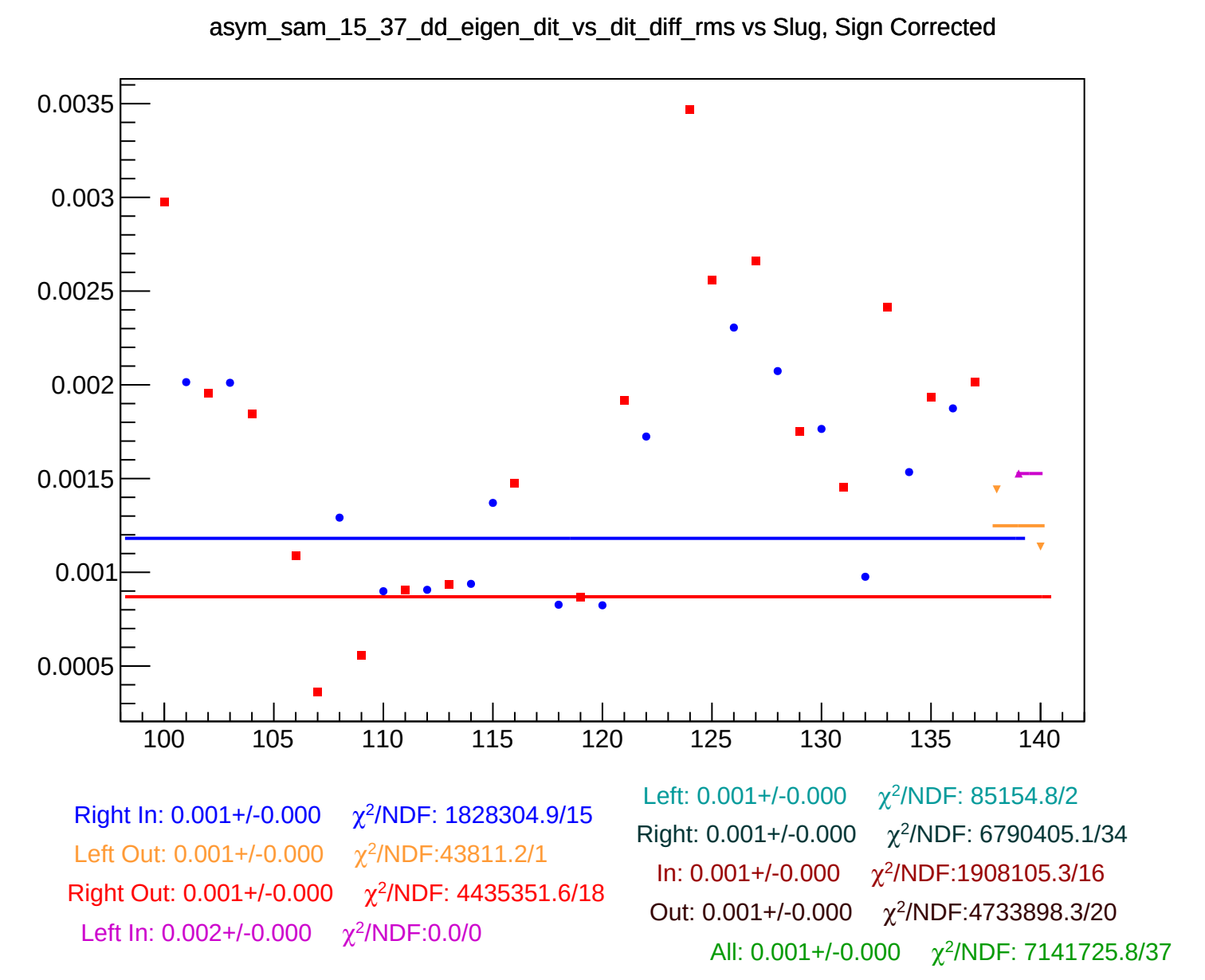
Left: 0.000+/-0.000 χ^2/NDF: 0.8/2

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

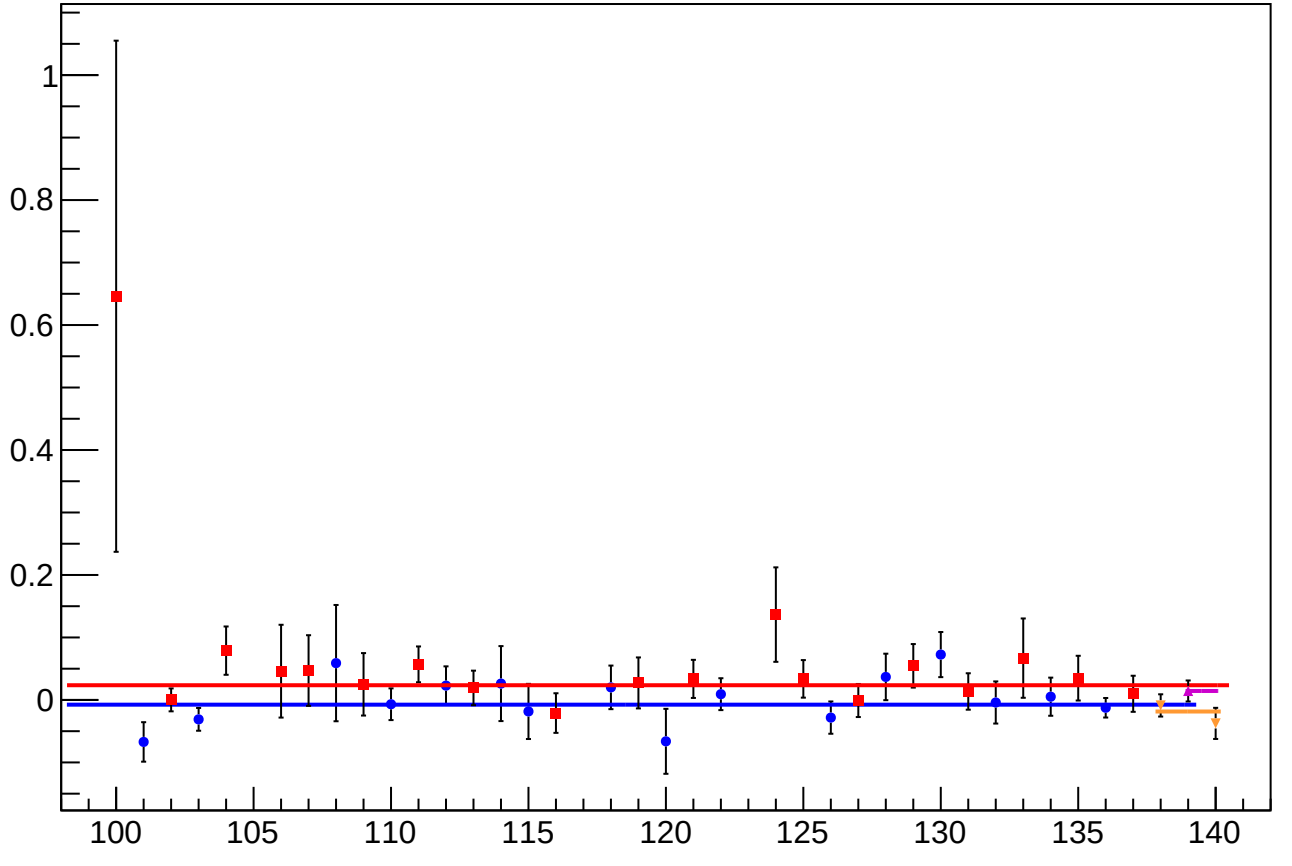
In: -0.000+/-0.000 χ^2/NDF:16.5/16

Out: 0.000+/-0.000 χ^2/NDF:13.8/20

All: 0.000+/-0.000 χ^2/NDF: 31.7/37


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
105
110
115
120
125
130
135
140
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:43811.2/1
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.002+/-0.000 χ²/NDF:0.0/0
Left: 0.001+/-0.000 χ²/NDF: 85154.8/2
Right: 0.001+/-0.000 χ²/NDF: 6790405.1/34
In: 0.001+/-0.000 χ²/NDF:1908105.3/16
Out: 0.001+/-0.000 χ²/NDF:4733898.3/20
All: 0.001+/-0.000 χ²/NDF: 7141725.8/37

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.019+/-0.014 χ^2/NDF:0.9/1

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.014+/-0.017 χ^2/NDF:0.0/0

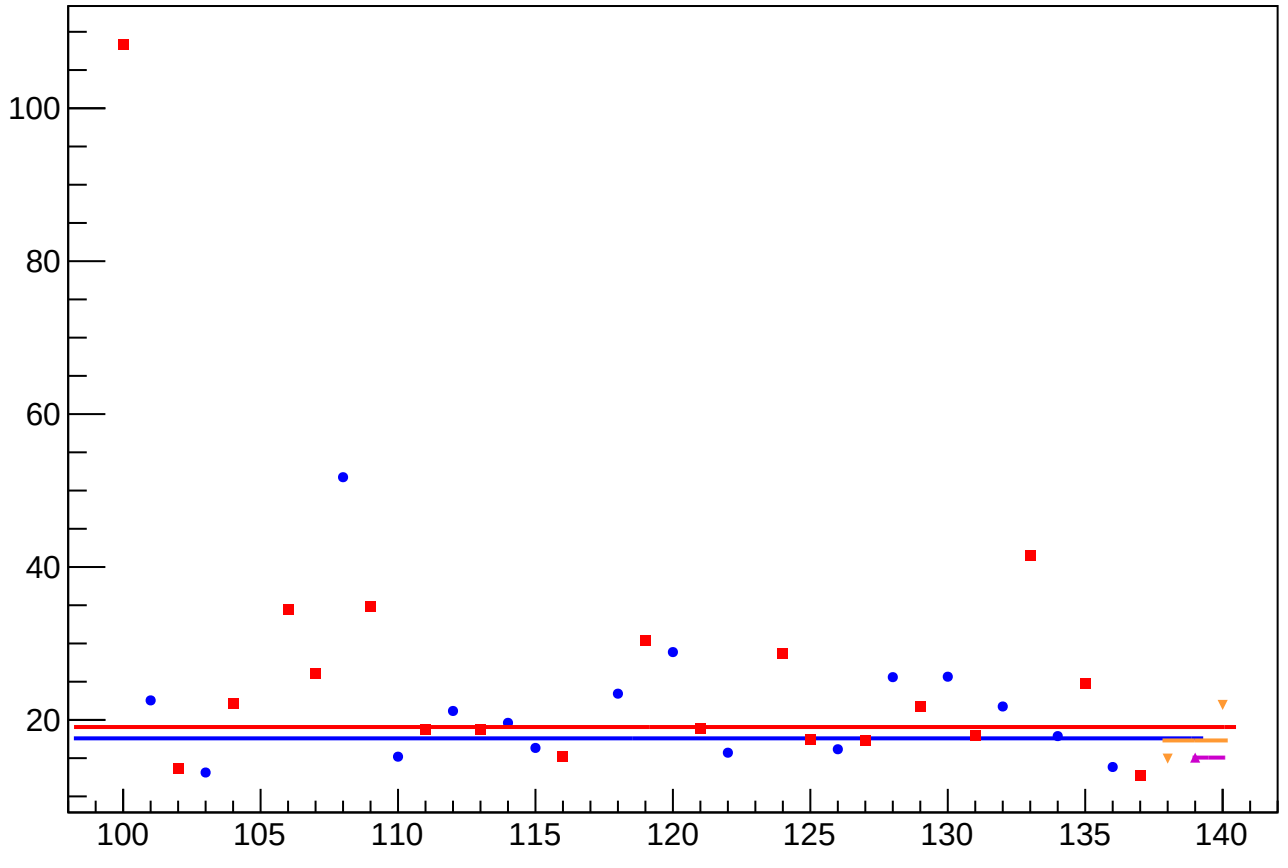
Left: -0.004+/-0.011 χ^2/NDF: 3.1/2

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.007 χ^2/NDF:18.2/16

Out: 0.014+/-0.007 χ^2/NDF:22.1/20

All: 0.005+/-0.005 χ^2/NDF: 44.0/37



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 17.316+/-0.010 χ^2/NDF:105195.1/1

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.073+/-0.012 χ^2/NDF:0.0/0

Left: 16.359+/-0.008 χ^2/NDF: 125627.0/2

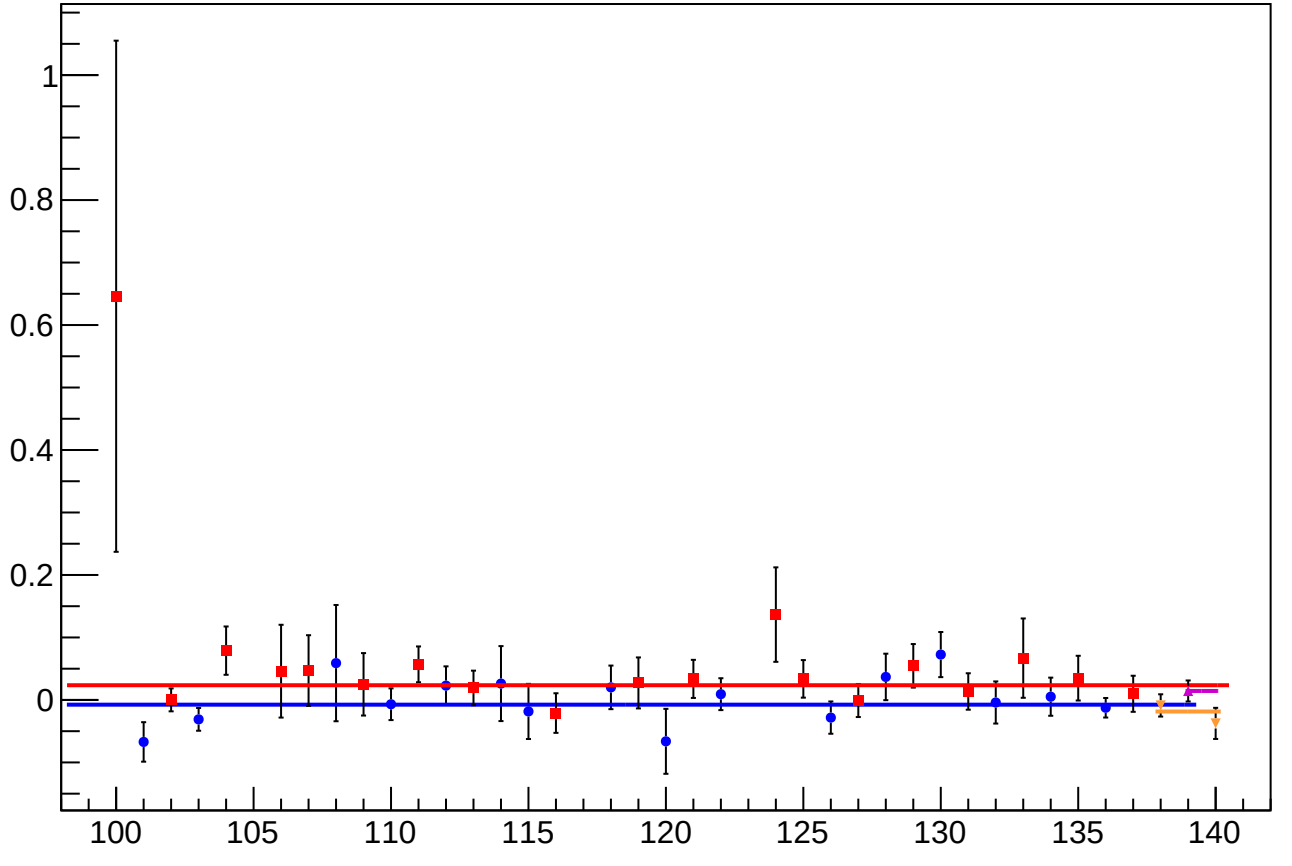
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.201+/-0.005 χ^2/NDF:1031249.0/16

Out: 18.682+/-0.005 χ^2/NDF:1375948.7/20

All: 17.918+/-0.003 χ^2/NDF: 2455749.6/37

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.019+/-0.014 χ^2/NDF:0.9/1

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.014+/-0.017 χ^2/NDF:0.0/0

Left: -0.004+/-0.011 χ^2/NDF: 3.1/2

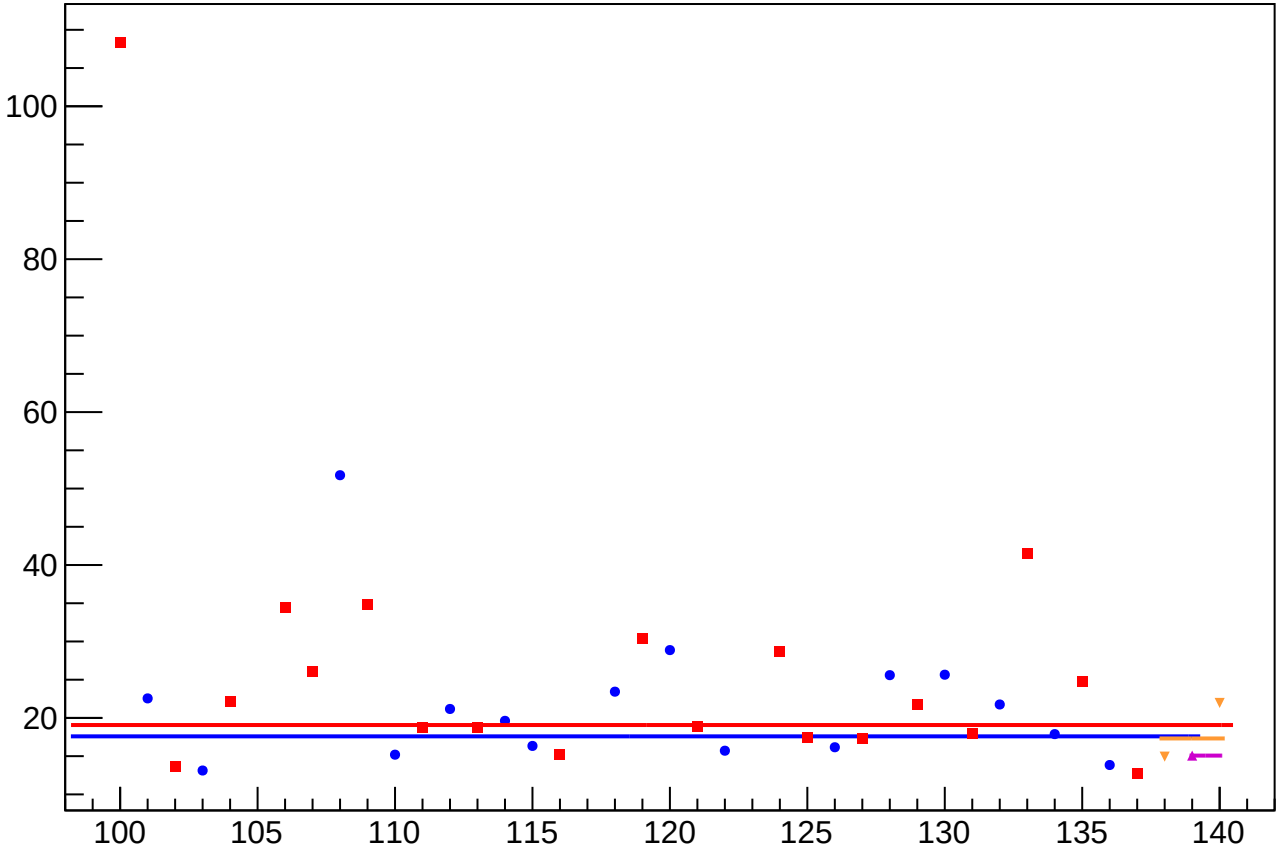
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.007 χ^2/NDF:18.2/16

Out: 0.014+/-0.007 χ^2/NDF:22.1/20

All: 0.005+/-0.005 χ^2/NDF: 44.0/37

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 17.316+/-0.010 χ^2/NDF:105195.1/1

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.073+/-0.012 χ^2/NDF:0.0/0

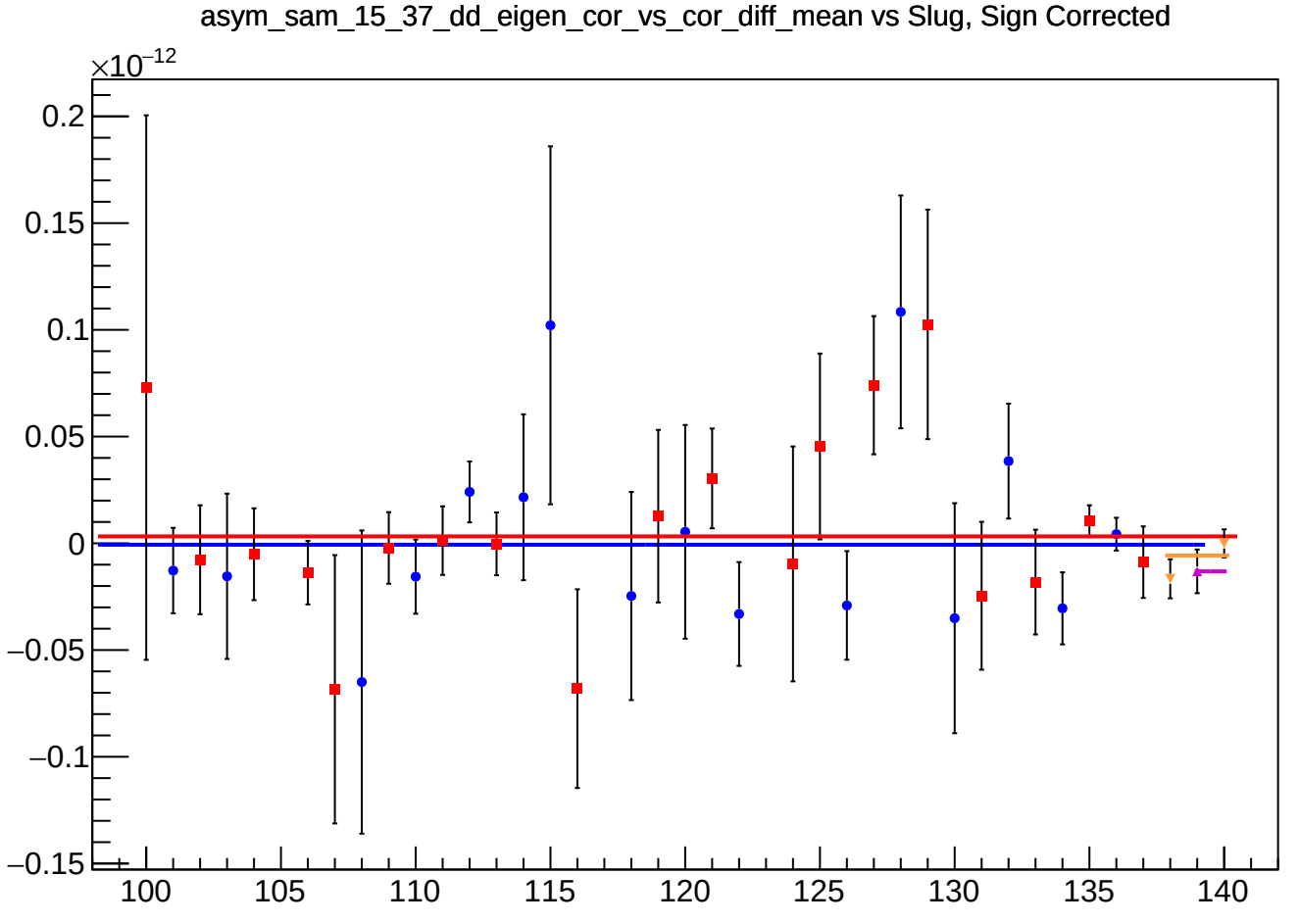
Left: 16.359+/-0.008 χ^2/NDF: 125627.0/2

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.201+/-0.005 χ^2/NDF:1031249.0/16

Out: 18.682+/-0.005 χ^2/NDF:1375948.7/20

All: 17.918+/-0.003 χ^2/NDF: 2455749.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

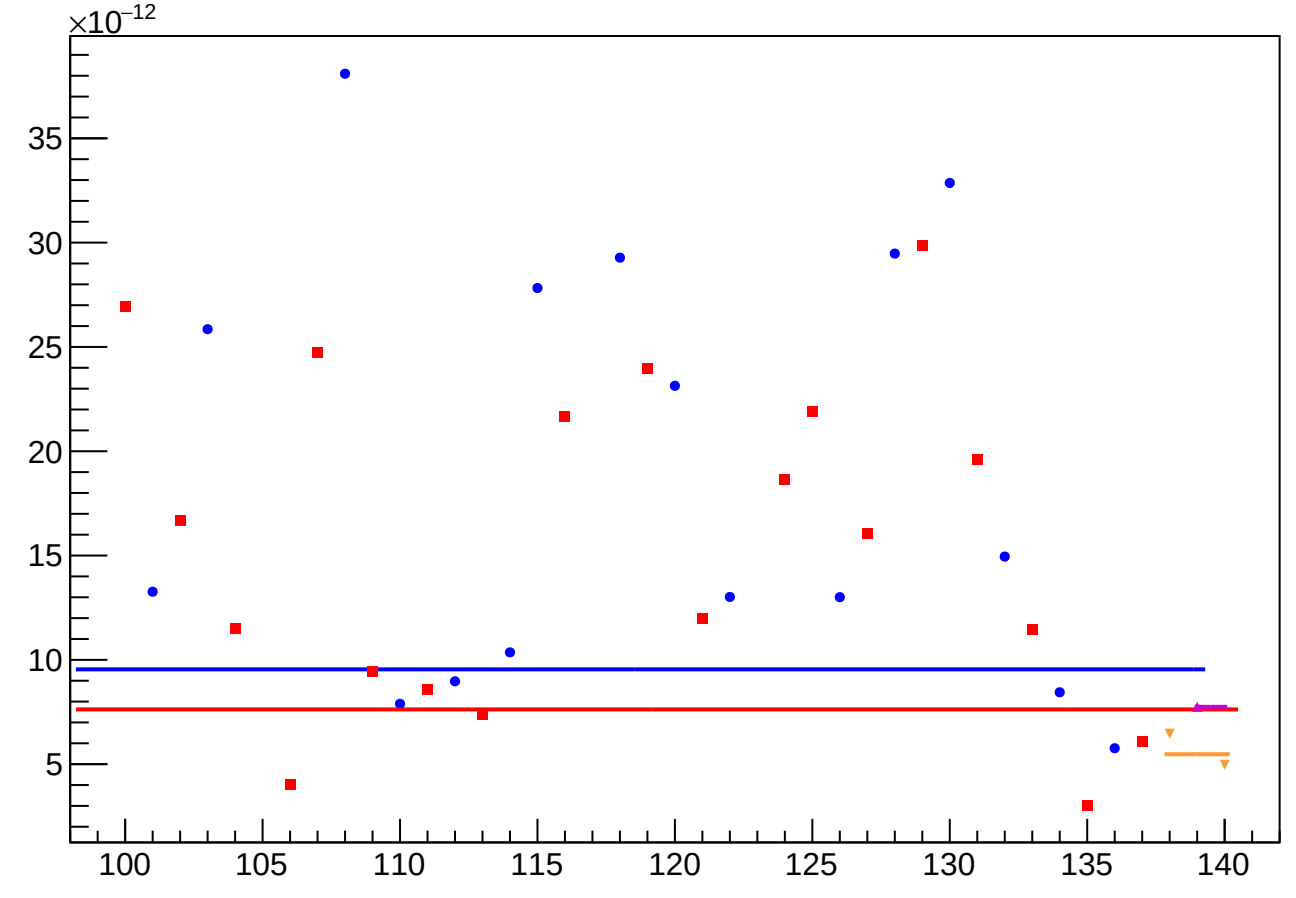
Left: -0.000+/-0.000 χ^2/NDF: 2.6/2

Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:21.5/16

Out: -0.000+/-0.000 χ^2/NDF:23.0/20

All: -0.000+/-0.000 χ^2/NDF: 44.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35036.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

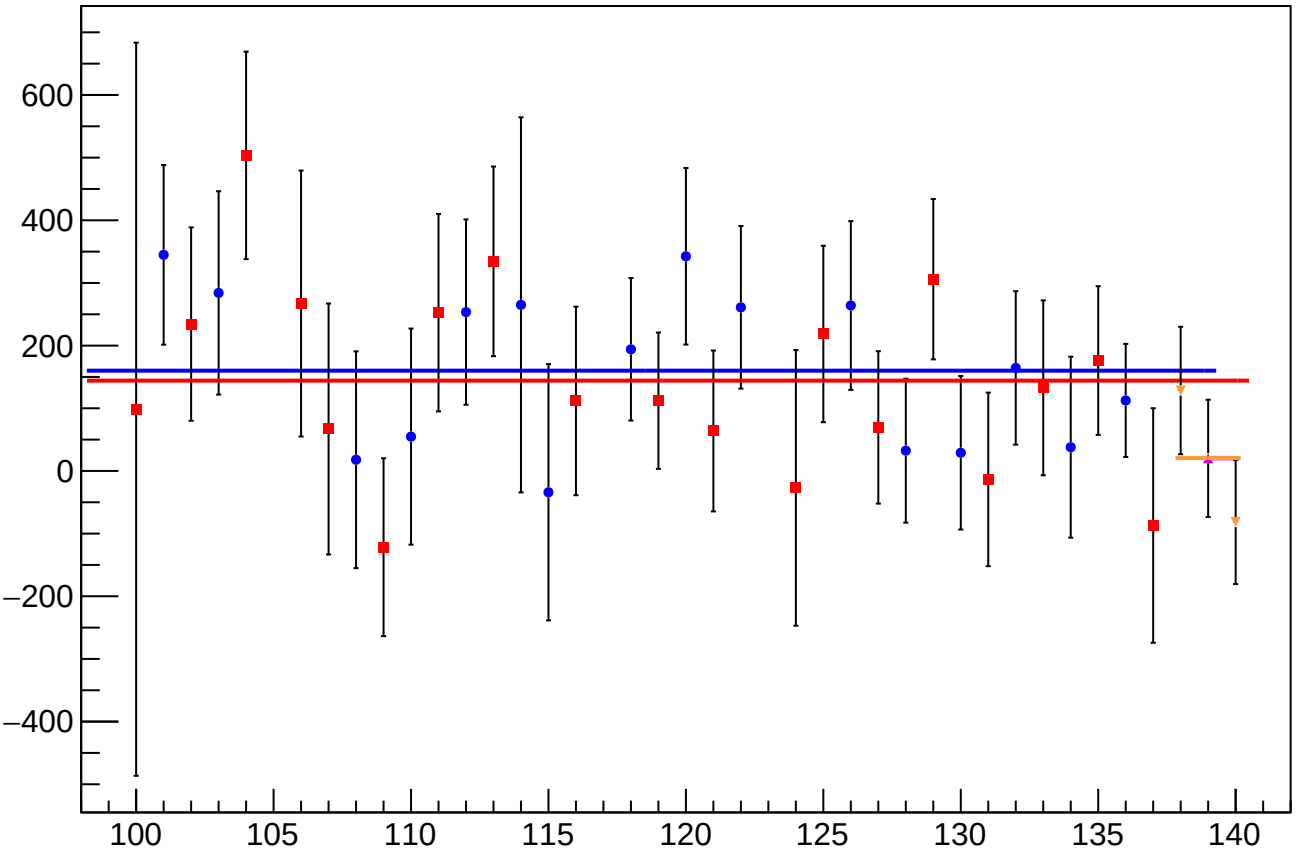
Left: 0.000+/-0.000 χ^2/NDF: 112724.7/2

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:2681917.2/16

Out: 0.000+/-0.000 χ^2/NDF:3310523.7/20

All: 0.000+/-0.000 χ^2/NDF: 6364113.8/37



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 20.498+/-70.931 χ^2/NDF:2.2/1

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: 20.105+/-93.509 χ^2/NDF:0.0/0

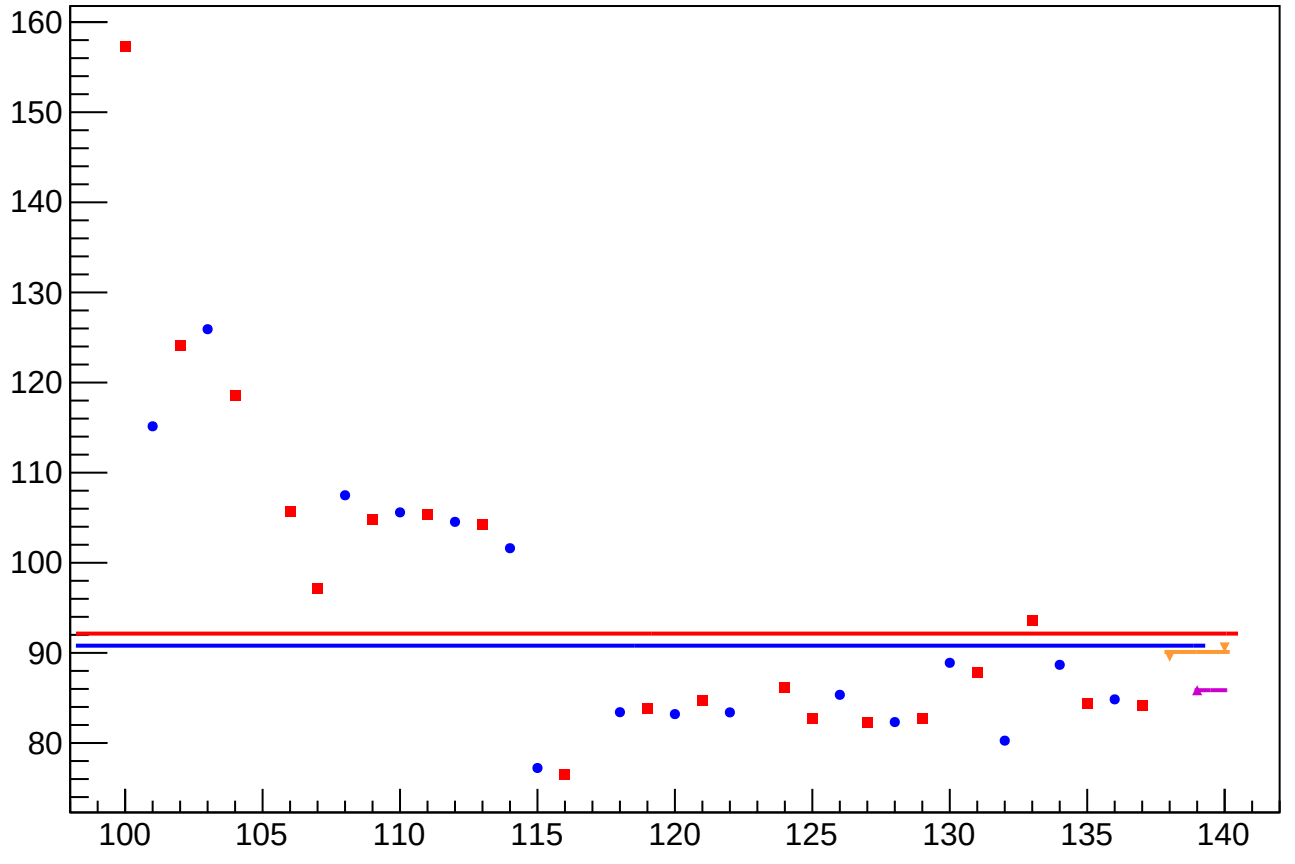
Left: 20.354+/-56.512 χ^2/NDF: 2.2/2

Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 143.541+/-32.094 χ^2/NDF:13.0/16

Out: 120.784+/-30.816 χ^2/NDF:22.0/20

All: 131.701+/-22.228 χ^2/NDF: 35.3/37



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 90.103+/-0.050 χ^2/NDF:104.5/1

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 85.860+/-0.066 χ^2/NDF:0.0/0

Left: 88.553+/-0.040 χ^2/NDF: 2718.2/2

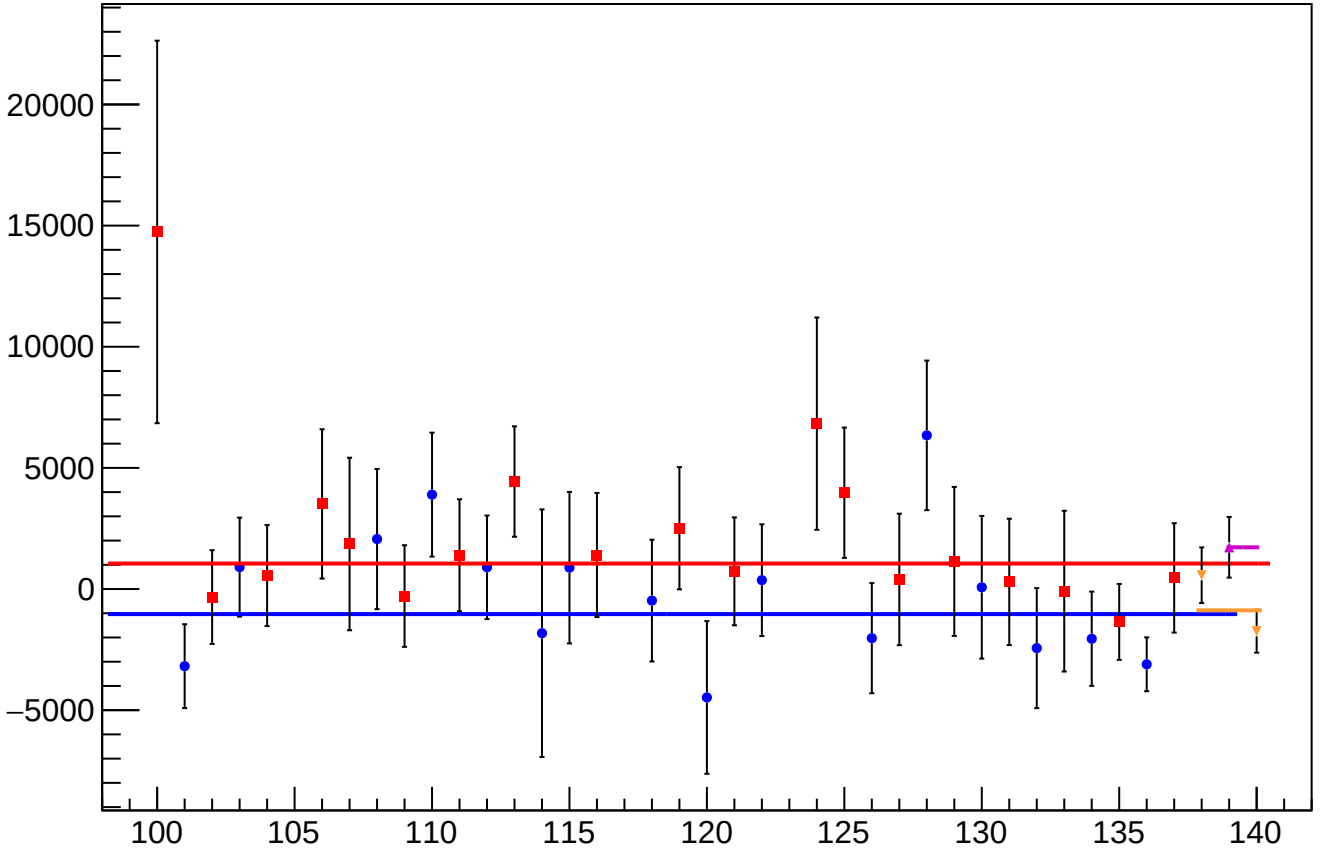
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 90.220+/-0.023 χ^2/NDF:277683.4/16

Out: 91.756+/-0.022 χ^2/NDF:303477.0/20

All: 91.019+/-0.016 χ^2/NDF: 583546.4/37

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -878.811+/-701.455 χ^2/NDF:2.5/1

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 1721.420+/-1251.006 χ^2/NDF:0.0/0

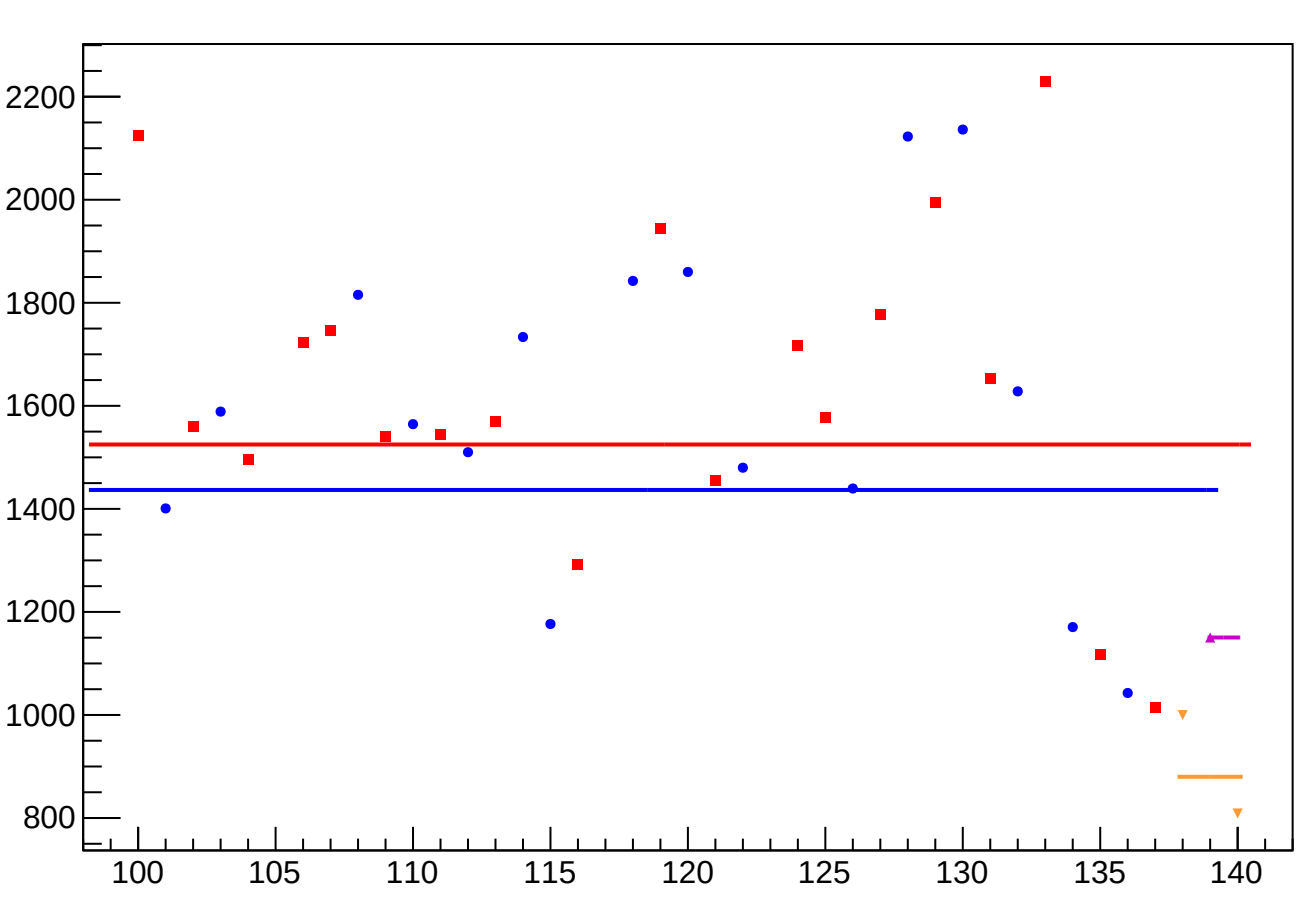
Left: -256.847+/-611.838 χ^2/NDF: 5.8/2

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -588.261+/-503.648 χ^2/NDF:24.3/16

Out: 285.547+/-441.866 χ^2/NDF:20.0/20

All: -94.503+/-332.154 χ^2/NDF: 46.0/37



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 880.052+/-0.496 χ^2/NDF:34640.2/1

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 1150.365+/-0.885 χ^2/NDF:0.0/0

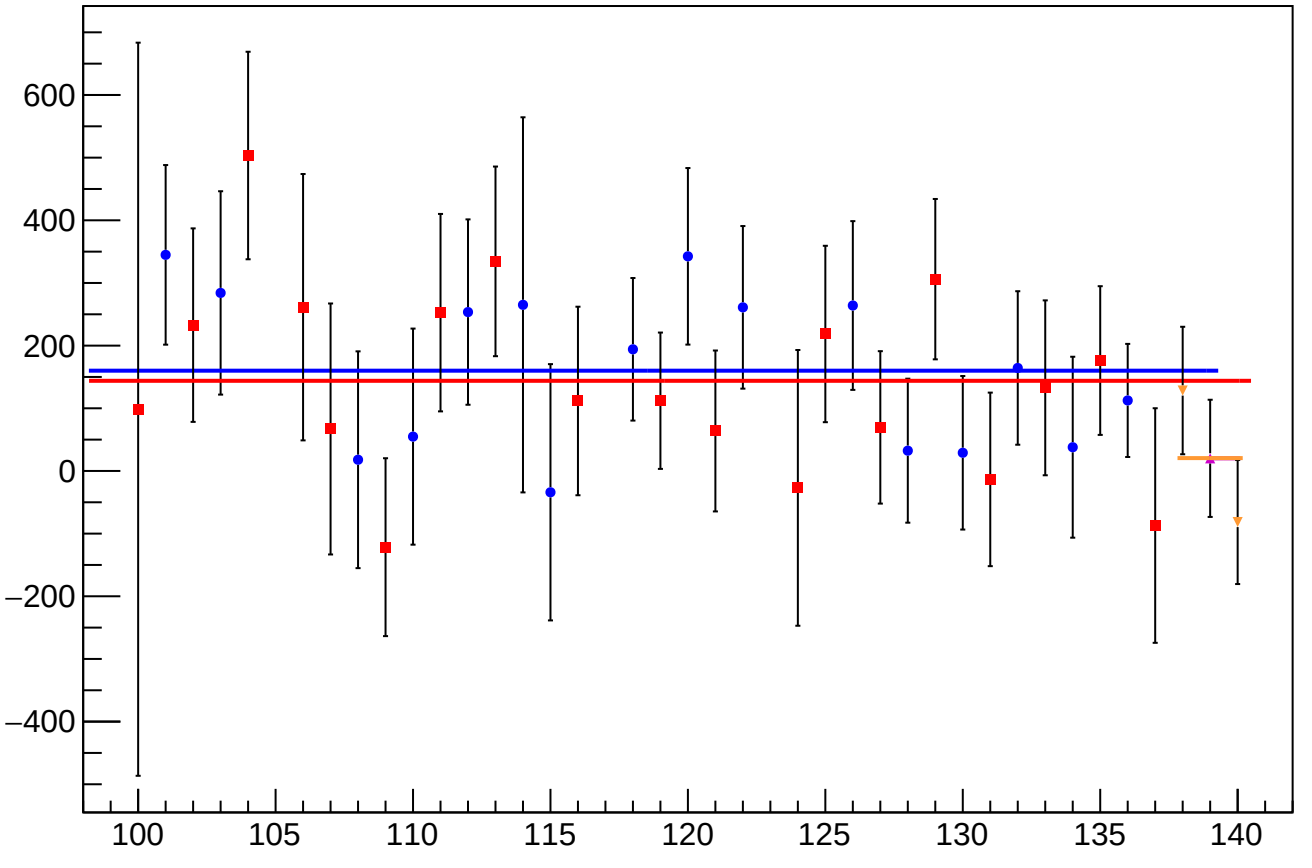
Left: 944.710+/-0.433 χ^2/NDF: 105682.4/2

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1390.319+/-0.356 χ^2/NDF:763486.7/16

Out: 1269.052+/-0.312 χ^2/NDF:1558910.2/20

All: 1321.795+/-0.235 χ^2/NDF: 2387914.1/37



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 20.505+/-70.931 χ^2/NDF:2.2/1

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 20.122+/-93.509 χ^2/NDF:0.0/0

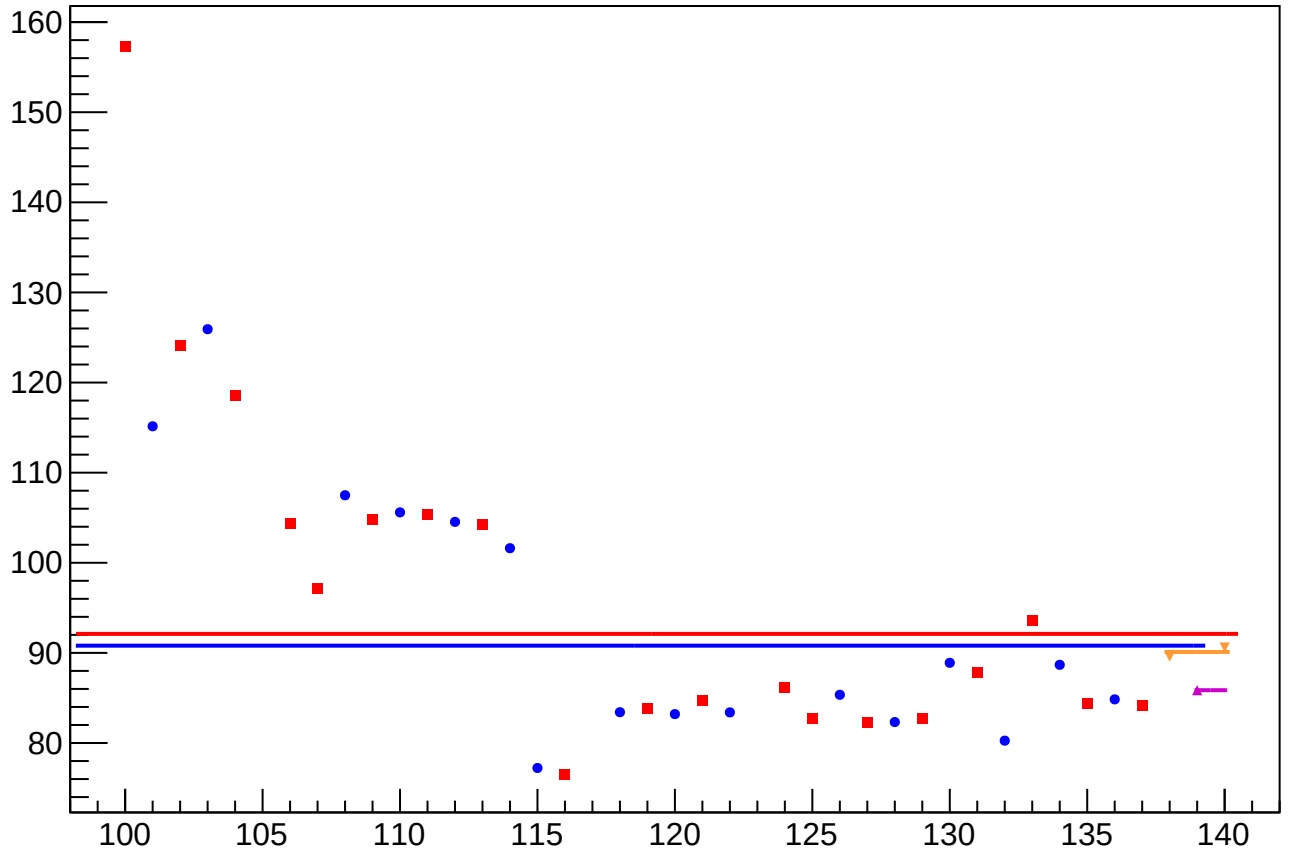
Left: 20.365+/-56.512 χ^2/NDF: 2.2/2

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 143.540+/-32.094 χ^2/NDF:13.0/16

Out: 120.577+/-30.817 χ^2/NDF:22.0/20

All: 131.592+/-22.229 χ^2/NDF: 35.3/37



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 90.103+/-0.050 χ^2/NDF:104.5/1

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 85.860+/-0.066 χ^2/NDF:0.0/0

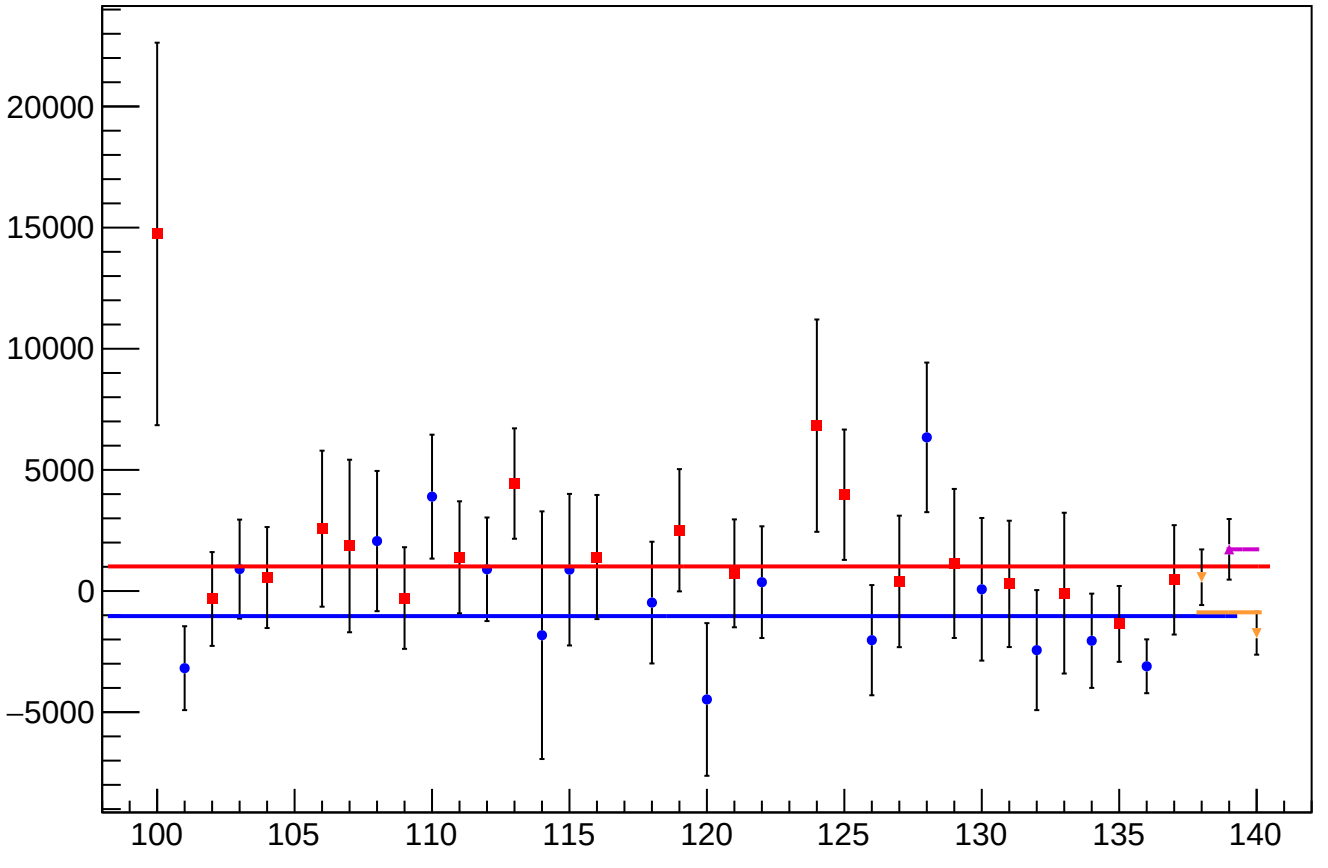
Left: 88.553+/-0.040 χ^2/NDF: 2718.2/2

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 90.220+/-0.023 χ^2/NDF:277685.2/16

Out: 91.730+/-0.022 χ^2/NDF:302169.4/20

All: 91.005+/-0.016 χ^2/NDF: 582157.8/37



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -878.790+/-701.455 χ^2/NDF:2.5/1

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 1721.434+/-1251.006 χ^2/NDF:0.0/0

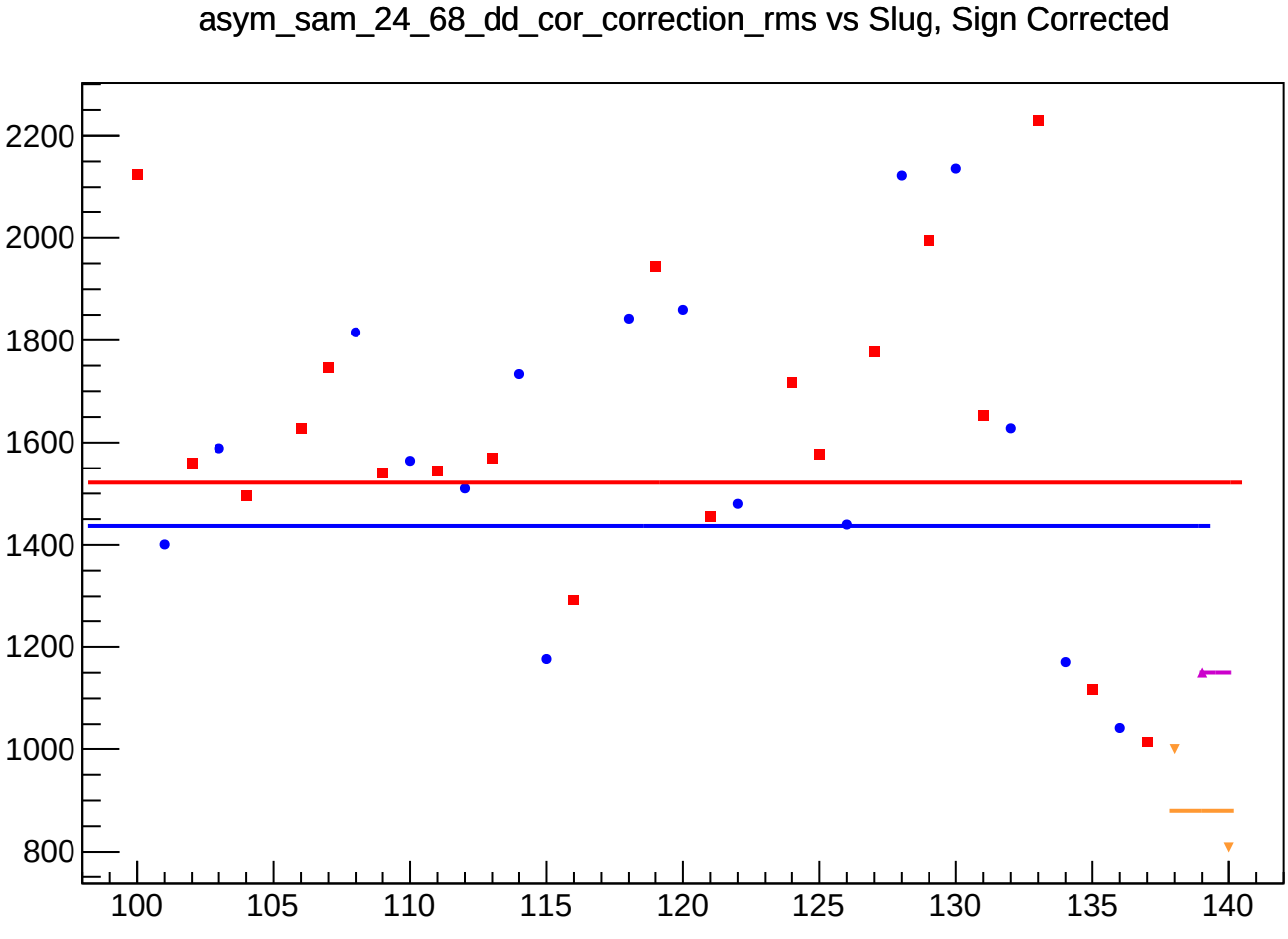
Left: -256.828+/-611.837 χ^2/NDF: 5.8/2

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -588.237+/-503.649 χ^2/NDF:24.3/16

Out: 262.426+/-442.258 χ^2/NDF:19.4/20

All: -107.927+/-332.321 χ^2/NDF: 45.3/37



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 880.052+/-0.496 χ^2/NDF:34640.6/1

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 1150.364+/-0.885 χ^2/NDF:0.0/0

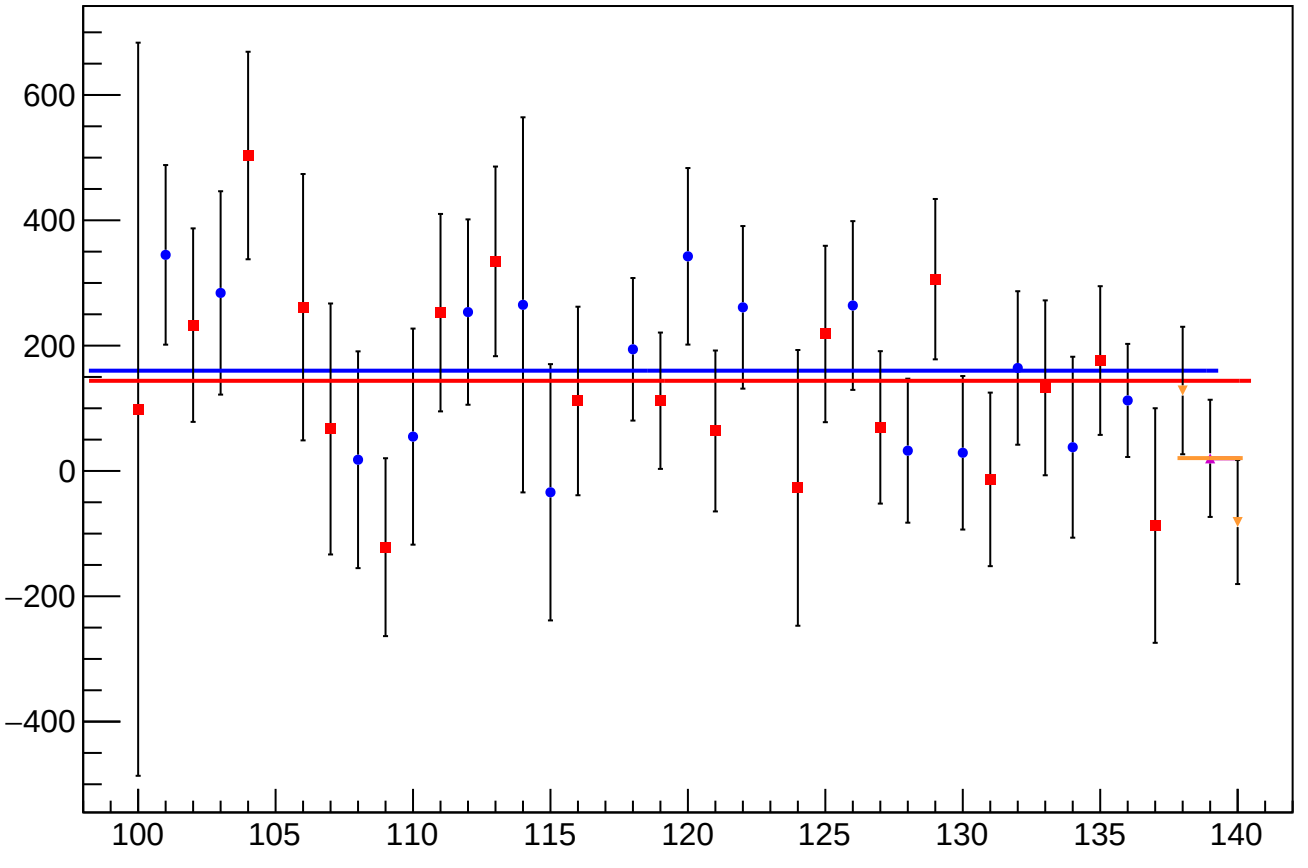
Left: 944.709+/-0.433 χ^2/NDF: 105682.9/2

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1390.321+/-0.356 χ^2/NDF:763497.6/16

Out: 1266.513+/-0.313 χ^2/NDF:1540623.3/20

All: 1320.416+/-0.235 χ^2/NDF: 2372360.3/37



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 20.505+/-70.931 χ^2/NDF:2.2/1

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 20.122+/-93.509 χ^2/NDF:0.0/0

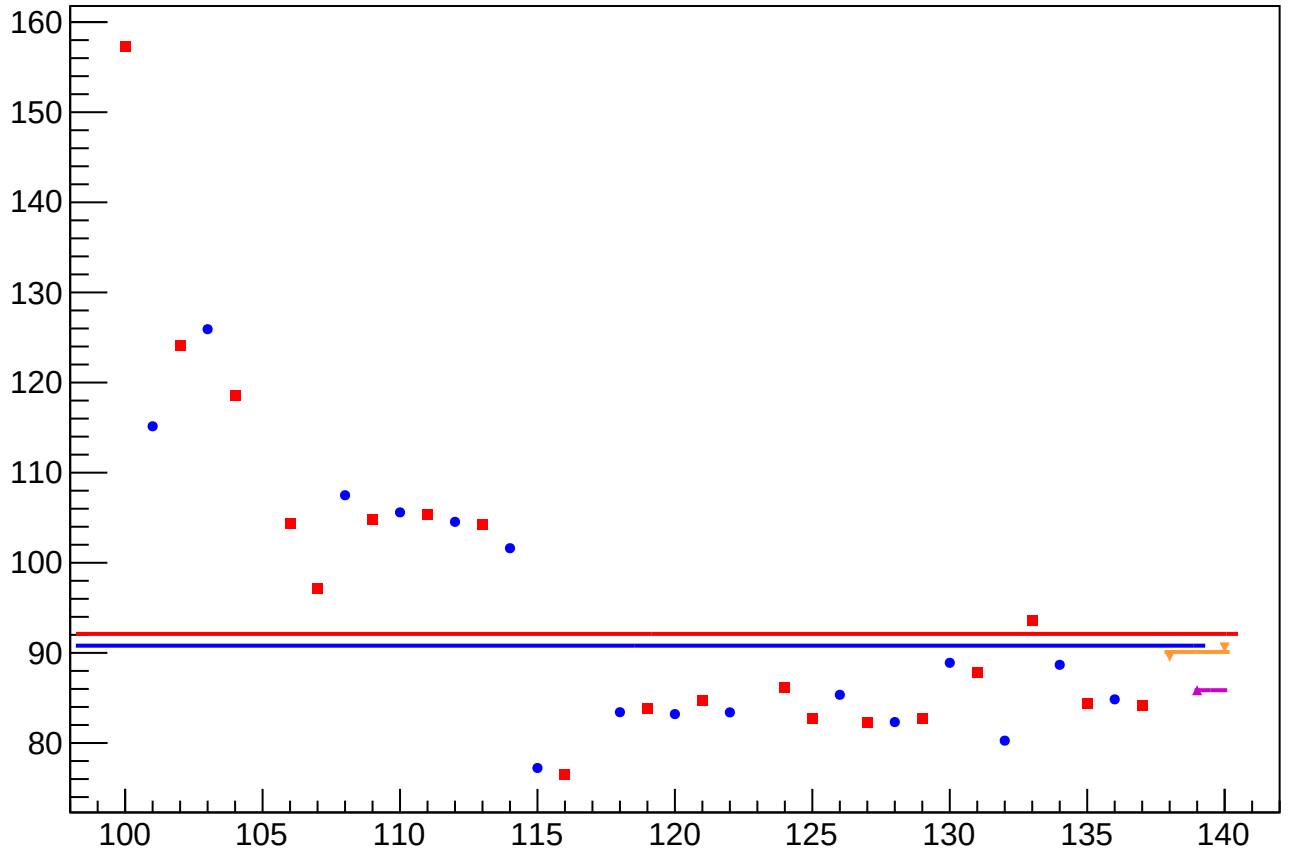
Left: 20.365+/-56.512 χ^2/NDF: 2.2/2

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 143.540+/-32.094 χ^2/NDF:13.0/16

Out: 120.577+/-30.817 χ^2/NDF:22.0/20

All: 131.592+/-22.229 χ^2/NDF: 35.3/37



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 90.103+/-0.050 χ^2/NDF:104.5/1

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 85.860+/-0.066 χ^2/NDF:0.0/0

Left: 88.553+/-0.040 χ^2/NDF: 2718.2/2

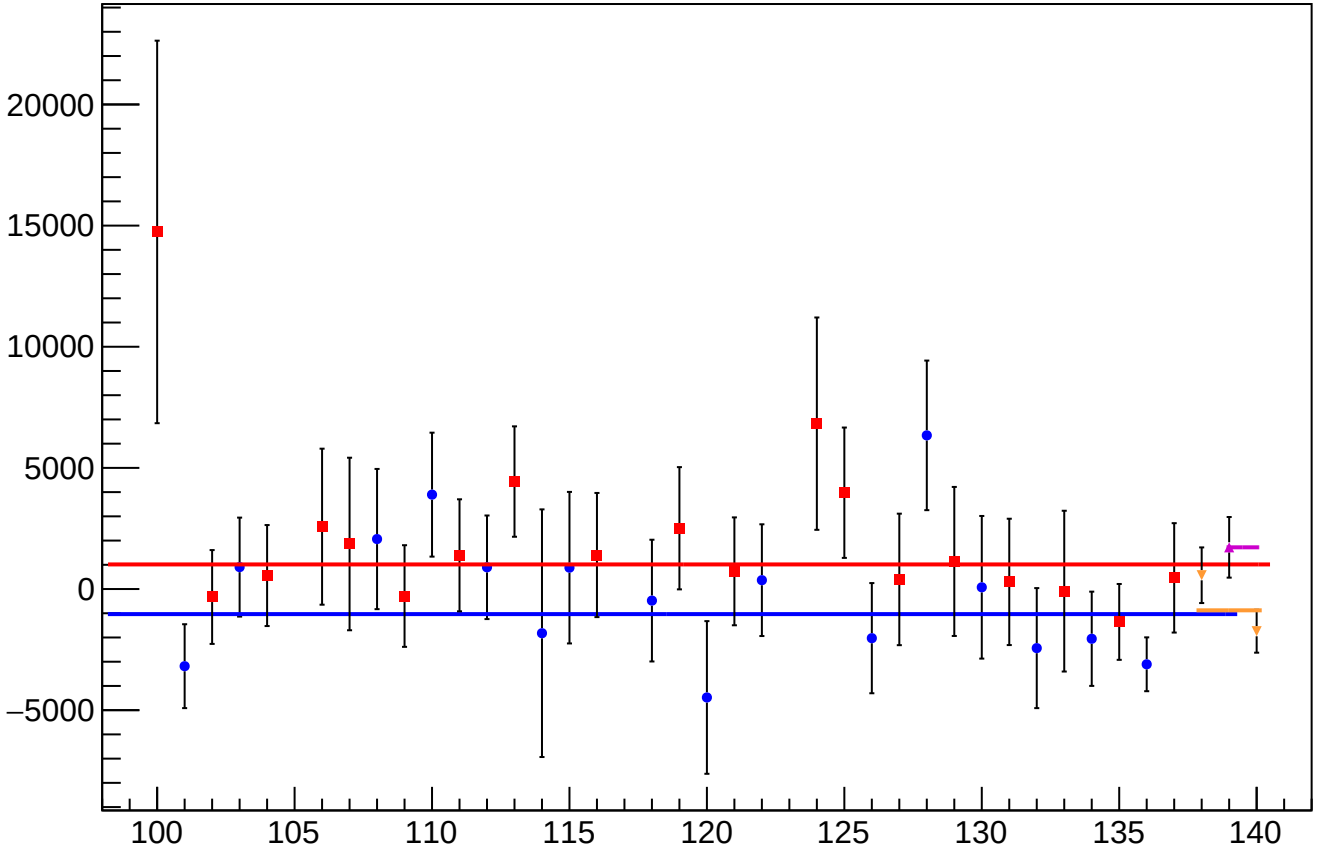
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 90.220+/-0.023 χ^2/NDF:277685.2/16

Out: 91.730+/-0.022 χ^2/NDF:302169.4/20

All: 91.005+/-0.016 χ^2/NDF: 582157.8/37

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -878.790+/-701.455 χ^2/NDF:2.5/1

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 1721.434+/-1251.006 χ^2/NDF:0.0/0

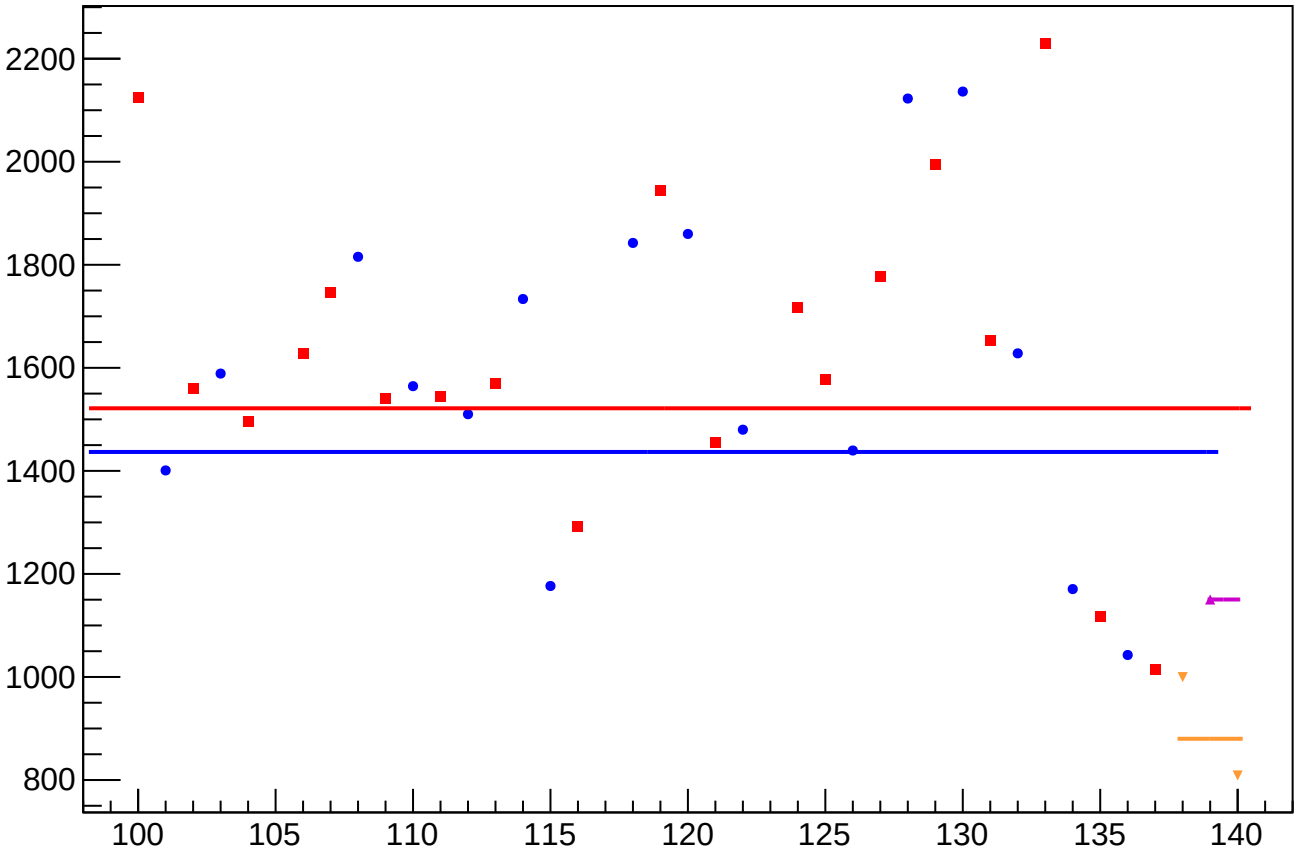
Left: -256.828+/-611.837 χ^2/NDF: 5.8/2

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -588.237+/-503.649 χ^2/NDF:24.3/16

Out: 262.426+/-442.258 χ^2/NDF:19.4/20

All: -107.927+/-332.321 χ^2/NDF: 45.3/37



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 880.052+/-0.496 χ^2/NDF:34640.6/1

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 1150.364+/-0.885 χ^2/NDF:0.0/0

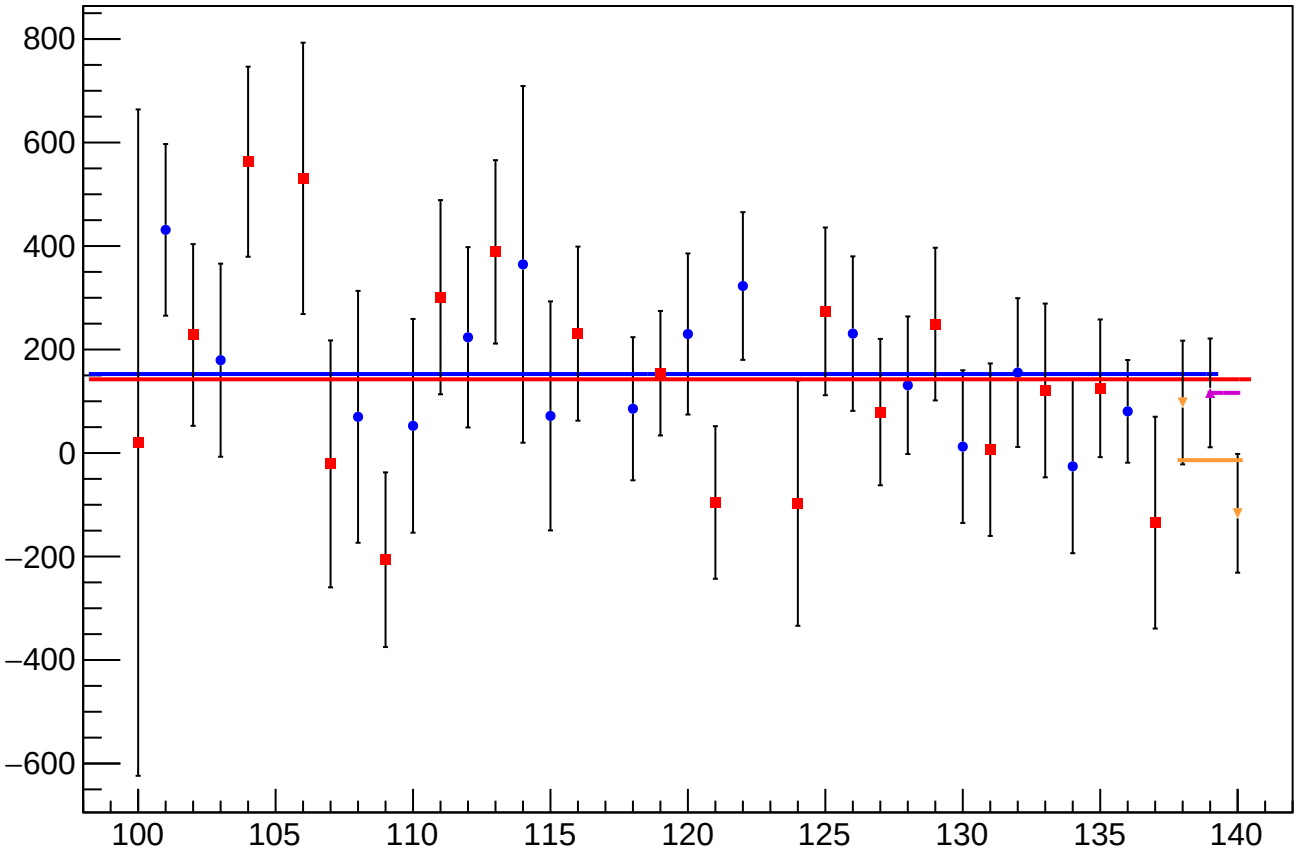
Left: 944.709+/-0.433 χ^2/NDF: 105682.9/2

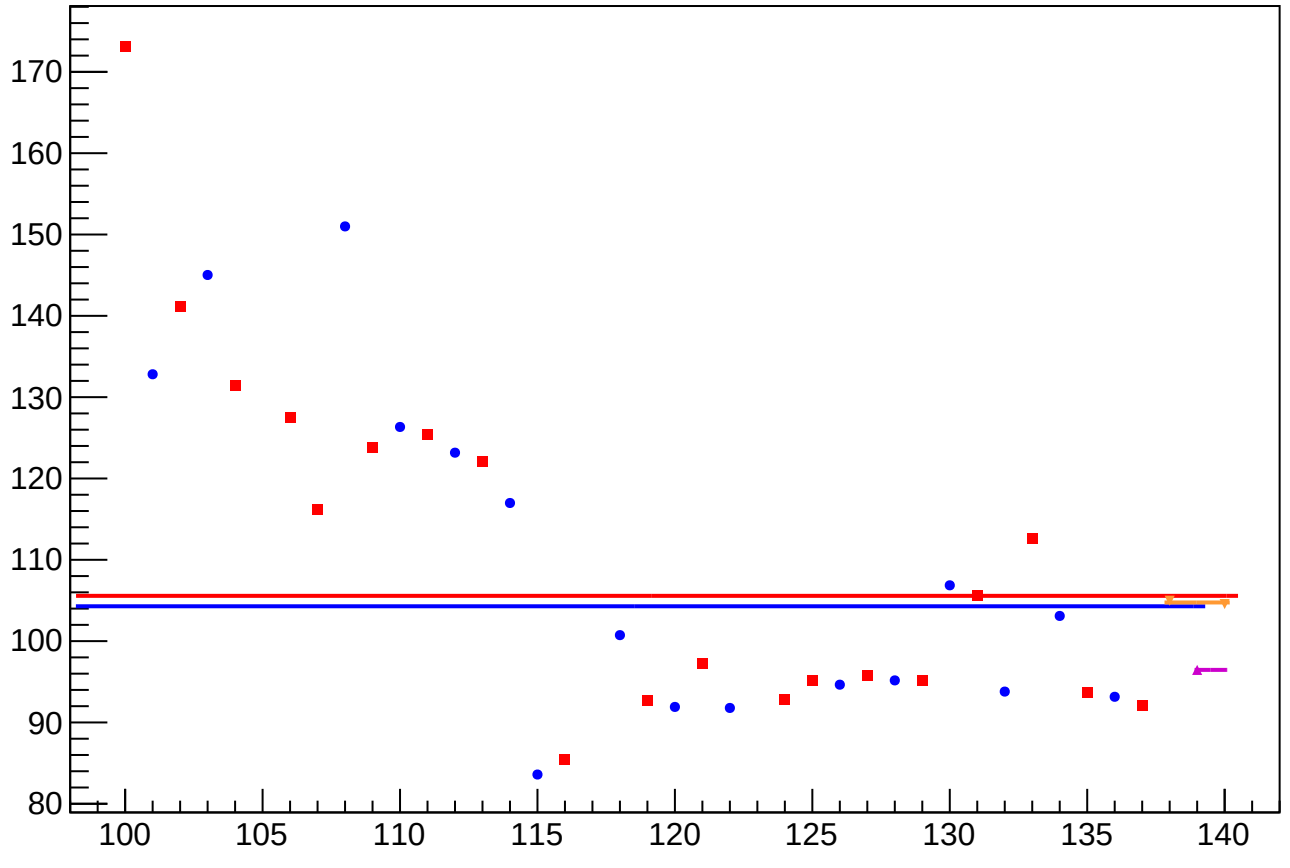
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1390.321+/-0.356 χ^2/NDF:763497.6/16

Out: 1266.513+/-0.313 χ^2/NDF:1540623.3/20

All: 1320.416+/-0.235 χ^2/NDF: 2372360.3/37


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
105
110
115
120
125
130
135
140
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -13.852+/-82.767 χ²/NDF:1.7/1
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: 116.186+/-105.128 χ²/NDF:0.0/0
Left: 35.908+/-65.031 χ²/NDF: 2.6/2
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 148.129+/-36.932 χ²/NDF:8.7/16
Out: 113.683+/-35.531 χ²/NDF:27.5/20
All: 130.240+/-25.605 χ²/NDF: 36.7/37



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 104.754+/-0.059 χ^2/NDF:12.5/1

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 96.463+/-0.074 χ^2/NDF:0.0/0

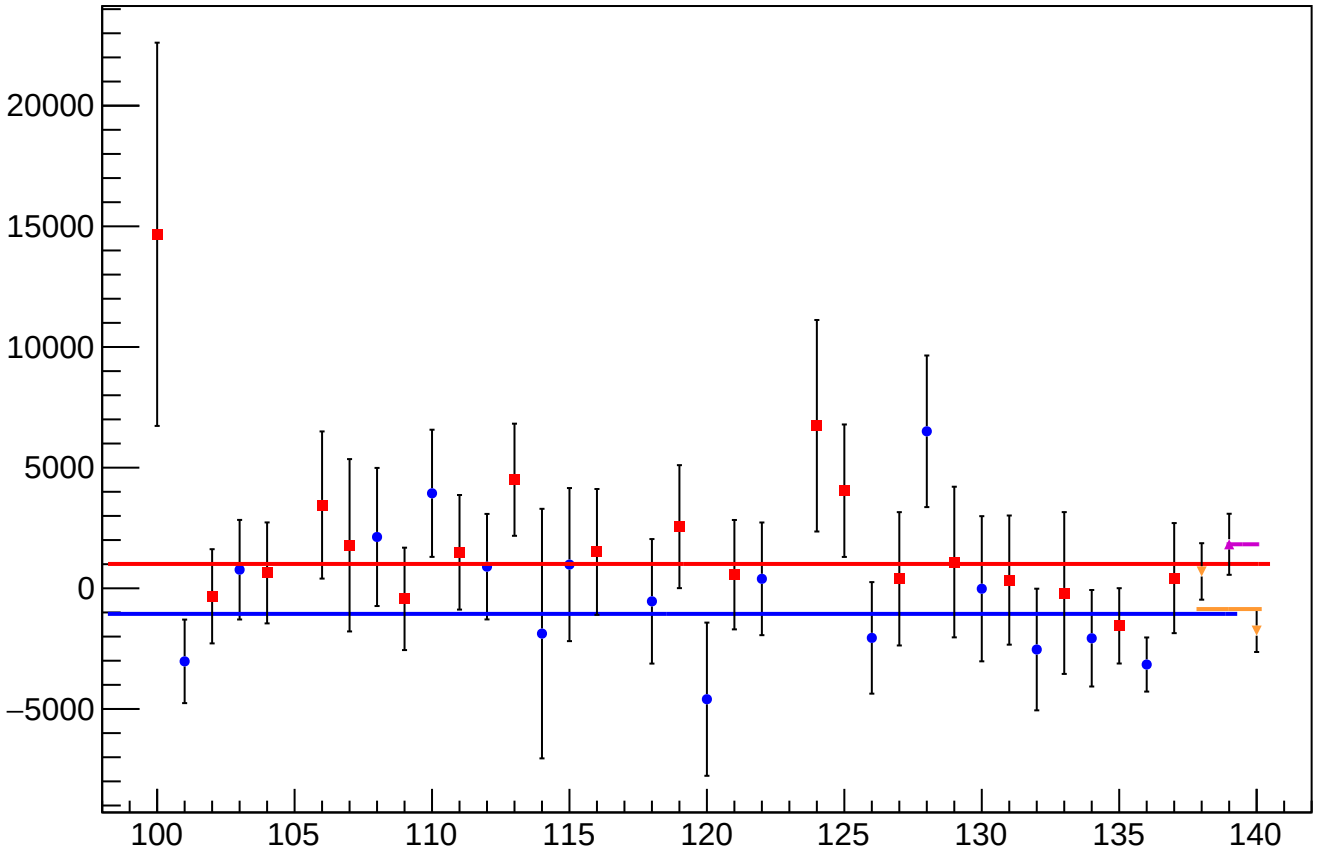
Left: 101.582+/-0.046 χ^2/NDF: 7691.4/2

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 103.321+/-0.026 χ^2/NDF:388018.2/16

Out: 105.418+/-0.025 χ^2/NDF:344776.2/20

All: 104.410+/-0.018 χ^2/NDF: 736144.4/37



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -859.257+/-706.331 χ^2/NDF:2.8/1

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 1824.680+/-1265.002 χ^2/NDF:0.0/0

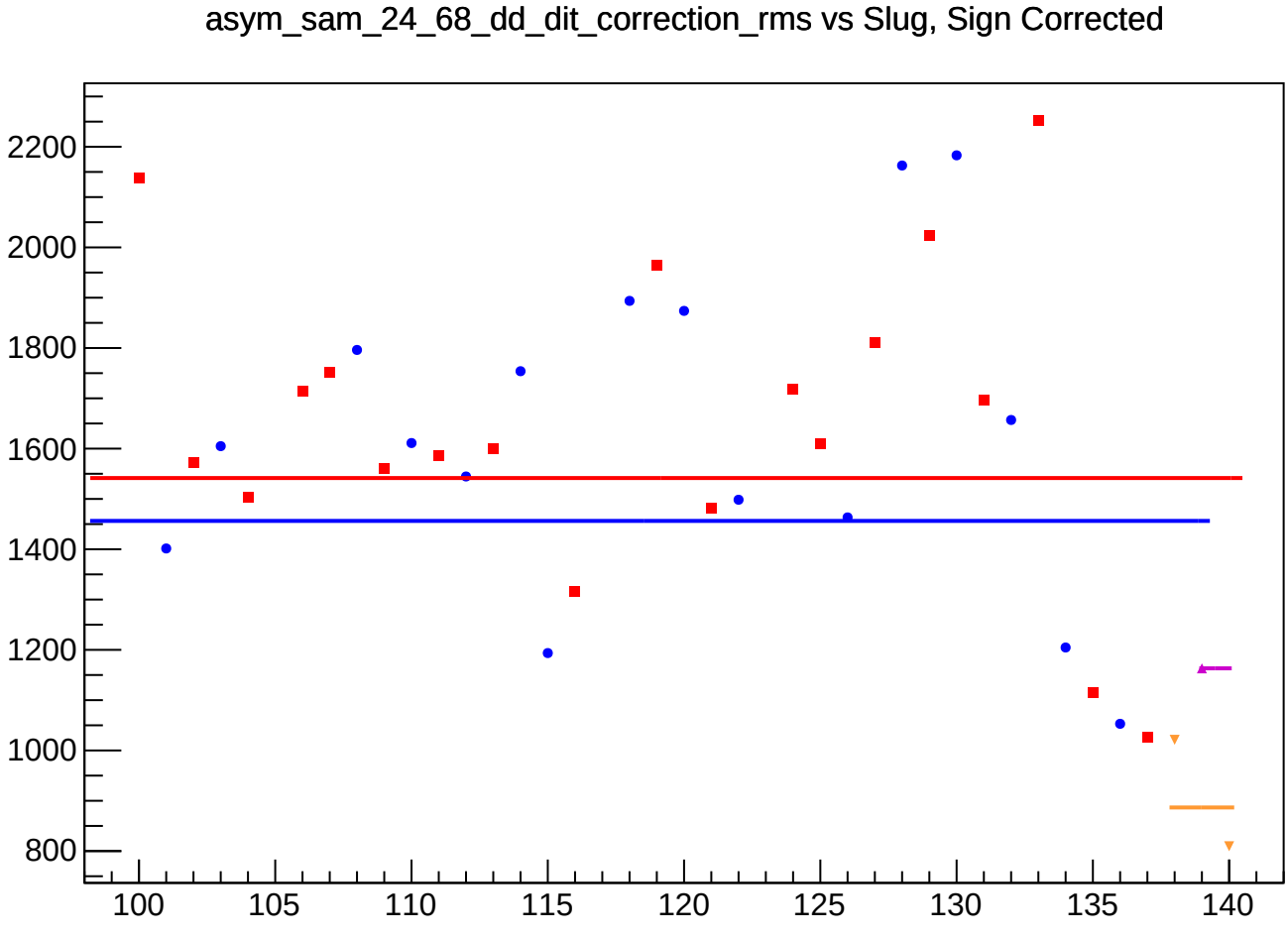
Left: -221.362+/-616.708 χ^2/NDF: 6.2/2

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -590.100+/-510.265 χ^2/NDF:24.4/16

Out: 264.760+/-445.970 χ^2/NDF:20.3/20

All: -105.450+/-335.794 χ^2/NDF: 46.3/37



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 886.675+/-0.499 χ^2/NDF:41571.1/1

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 1163.264+/-0.894 χ^2/NDF:0.0/0

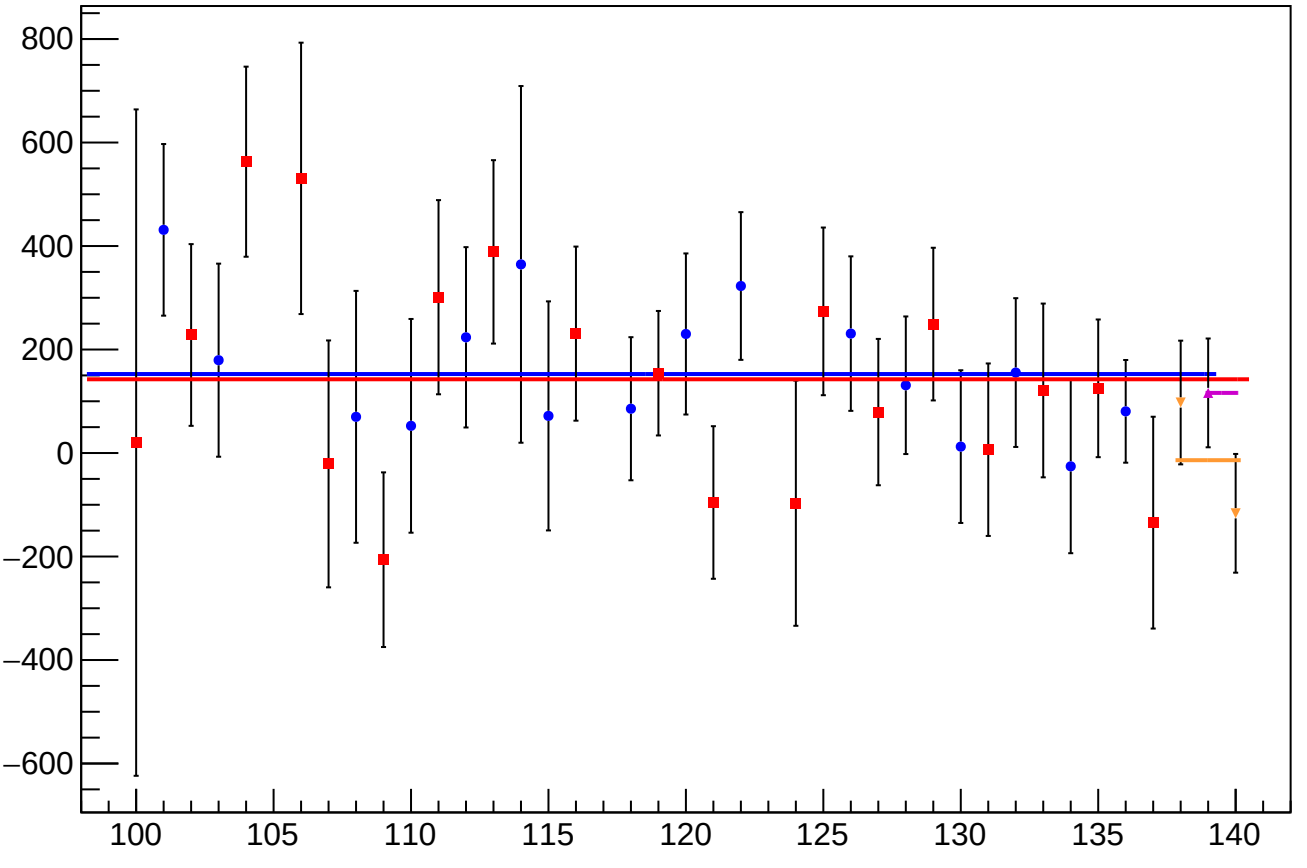
Left: 952.412+/-0.436 χ^2/NDF: 114459.6/2

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1408.623+/-0.361 χ^2/NDF:774668.6/16

Out: 1280.466+/-0.315 χ^2/NDF:1594665.4/20

All: 1335.966+/-0.237 χ^2/NDF: 2440859.3/37



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -13.853+/-82.767 χ^2/NDF:1.7/1

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: 116.181+/-105.128 χ^2/NDF:0.0/0

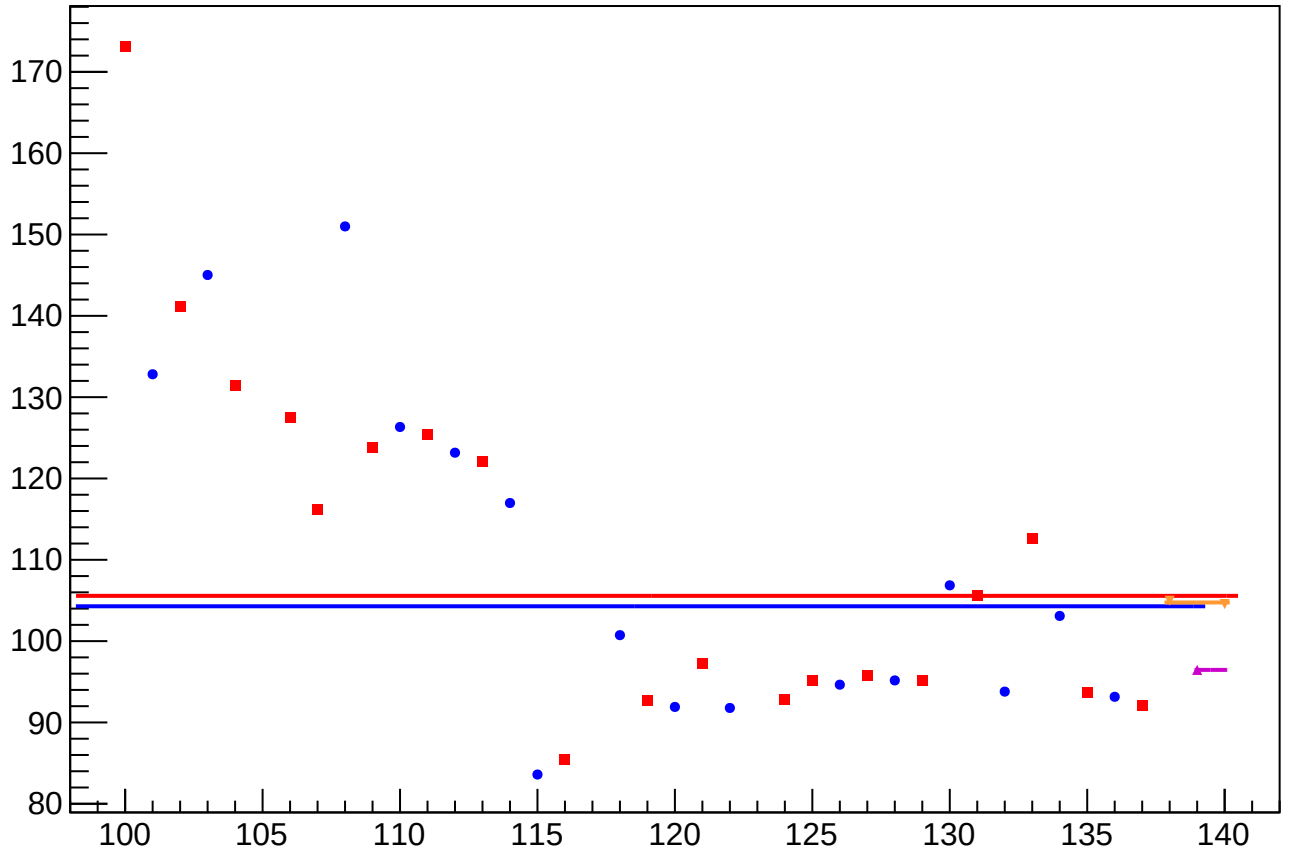
Left: 35.905+/-65.031 χ^2/NDF: 2.6/2

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 148.130+/-36.932 χ^2/NDF:8.7/16

Out: 113.681+/-35.531 χ^2/NDF:27.5/20

All: 130.240+/-25.605 χ^2/NDF: 36.7/37



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 104.754+/-0.059 χ^2/NDF:12.4/1

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 96.463+/-0.074 χ^2/NDF:0.0/0

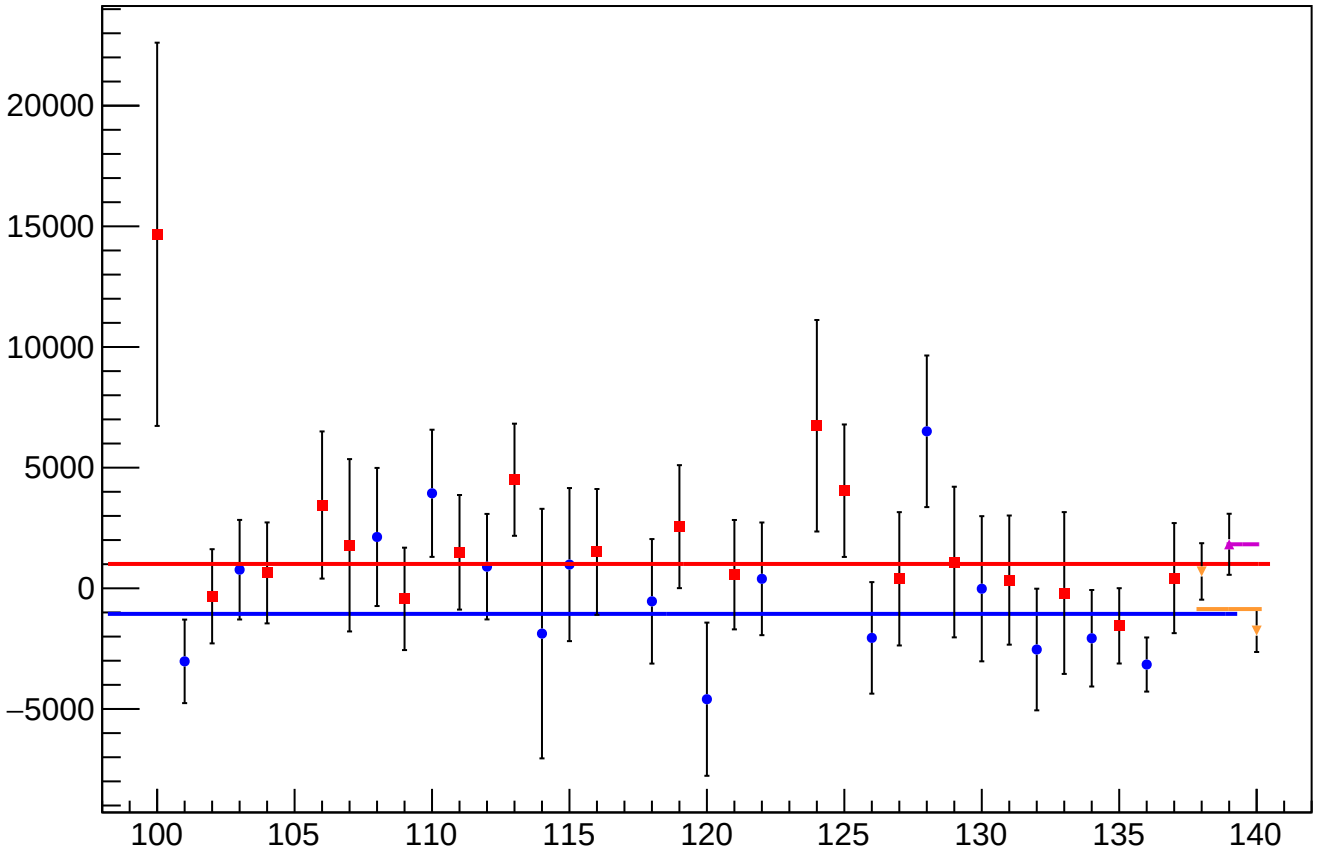
Left: 101.581+/-0.046 χ^2/NDF: 7692.0/2

Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 103.320+/-0.026 χ^2/NDF:388019.4/16

Out: 105.418+/-0.025 χ^2/NDF:344775.2/20

All: 104.409+/-0.018 χ^2/NDF: 736145.6/37



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -859.256+/-706.330 χ^2/NDF:2.8/1

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 1824.678+/-1264.999 χ^2/NDF:0.0/0

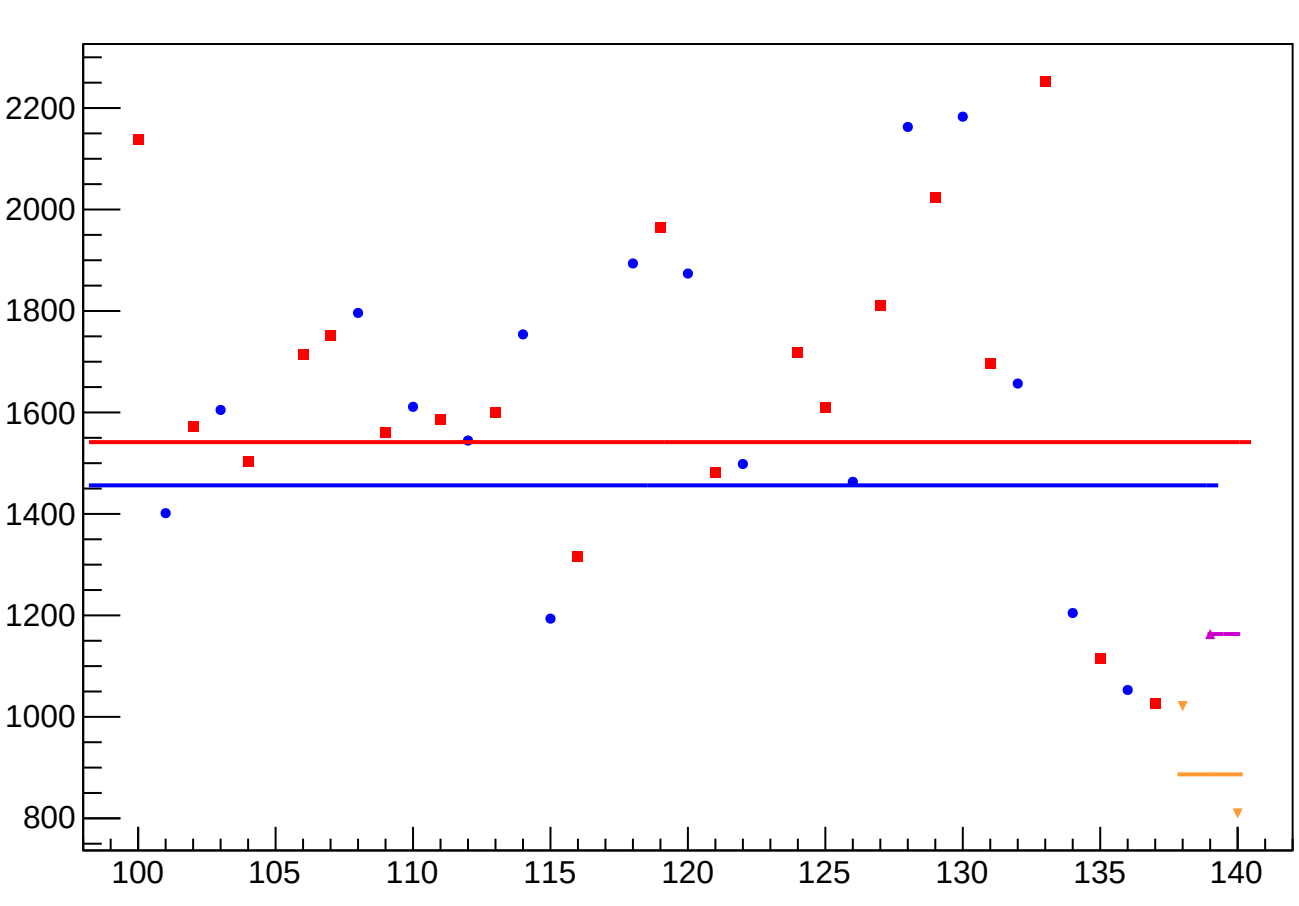
Left: -221.362+/-616.707 χ^2/NDF: 6.2/2

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -590.097+/-510.264 χ^2/NDF:24.4/16

Out: 264.759+/-445.969 χ^2/NDF:20.3/20

All: -105.449+/-335.793 χ^2/NDF: 46.3/37



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 886.673+/-0.499 χ^2/NDF:41570.3/1

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 1163.261+/-0.894 χ^2/NDF:0.0/0

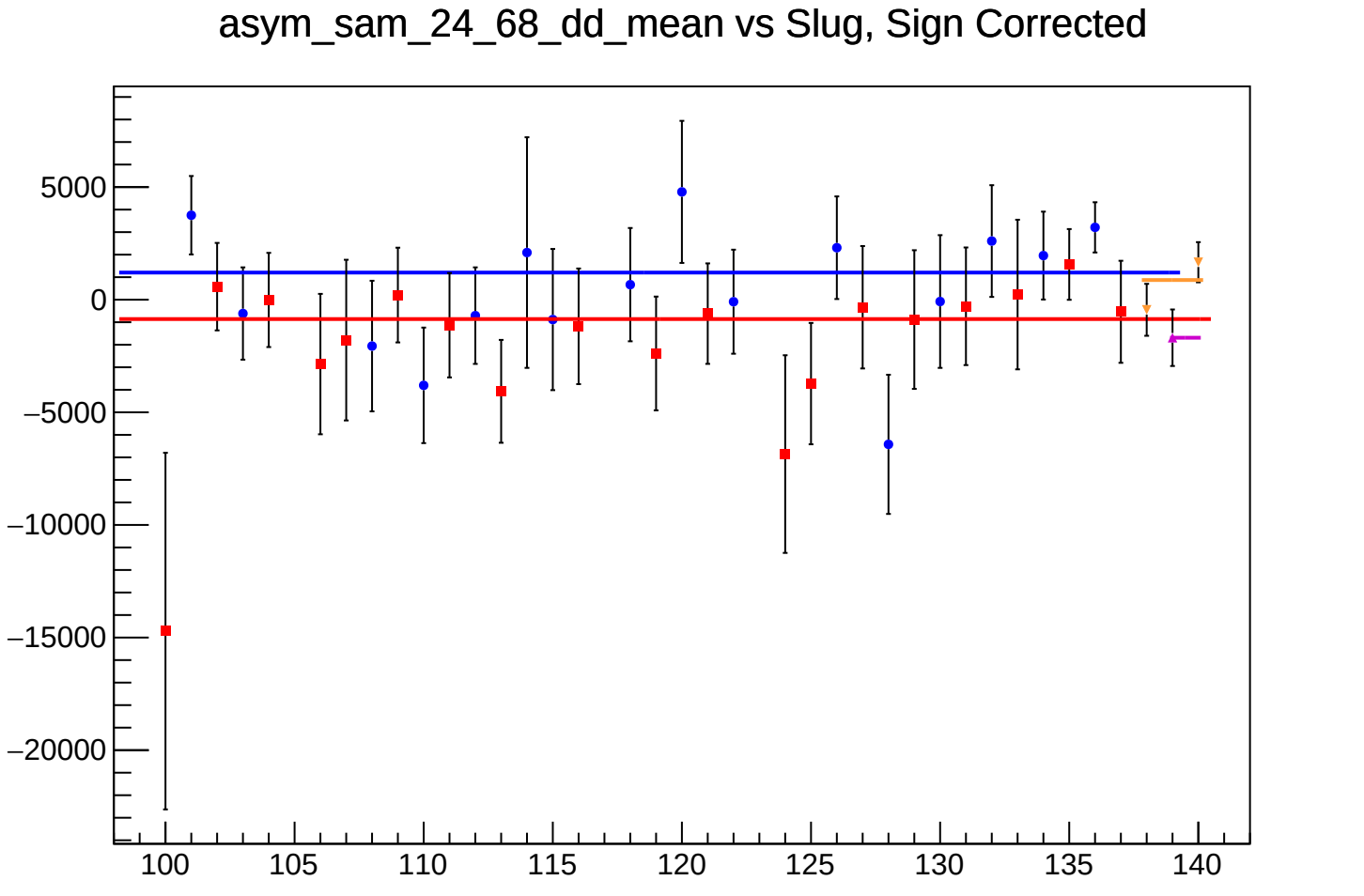
Left: 952.410+/-0.436 χ^2/NDF: 114458.7/2

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1408.621+/-0.361 χ^2/NDF:774666.4/16

Out: 1280.463+/-0.315 χ^2/NDF:1594665.9/20

All: 1335.963+/-0.237 χ^2/NDF: 2440857.9/37



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 873.112+/-705.406 χ^2/NDF:2.1/1

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -1688.816+/-1254.556 χ^2/NDF:0.0/0

Left: 257.711+/-614.874 χ^2/NDF: 5.3/2

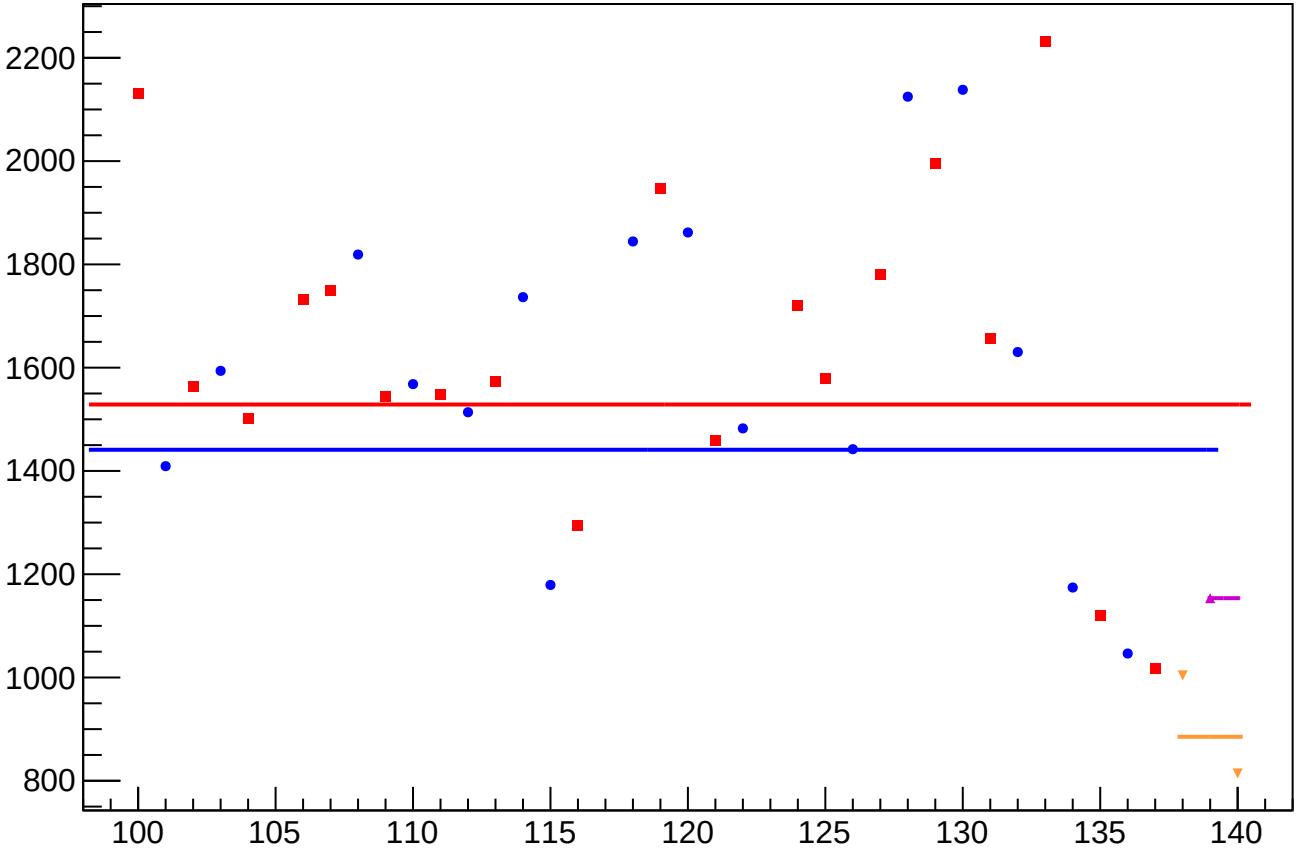
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 735.763+/-505.046 χ^2/NDF:25.6/16

Out: -174.395+/-443.534 χ^2/NDF:18.2/20

All: 221.910+/-333.264 χ^2/NDF: 45.7/37

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 885.228+/-0.499 χ^2/NDF:33954.3/1

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 1153.632+/-0.887 χ^2/NDF:0.0/0

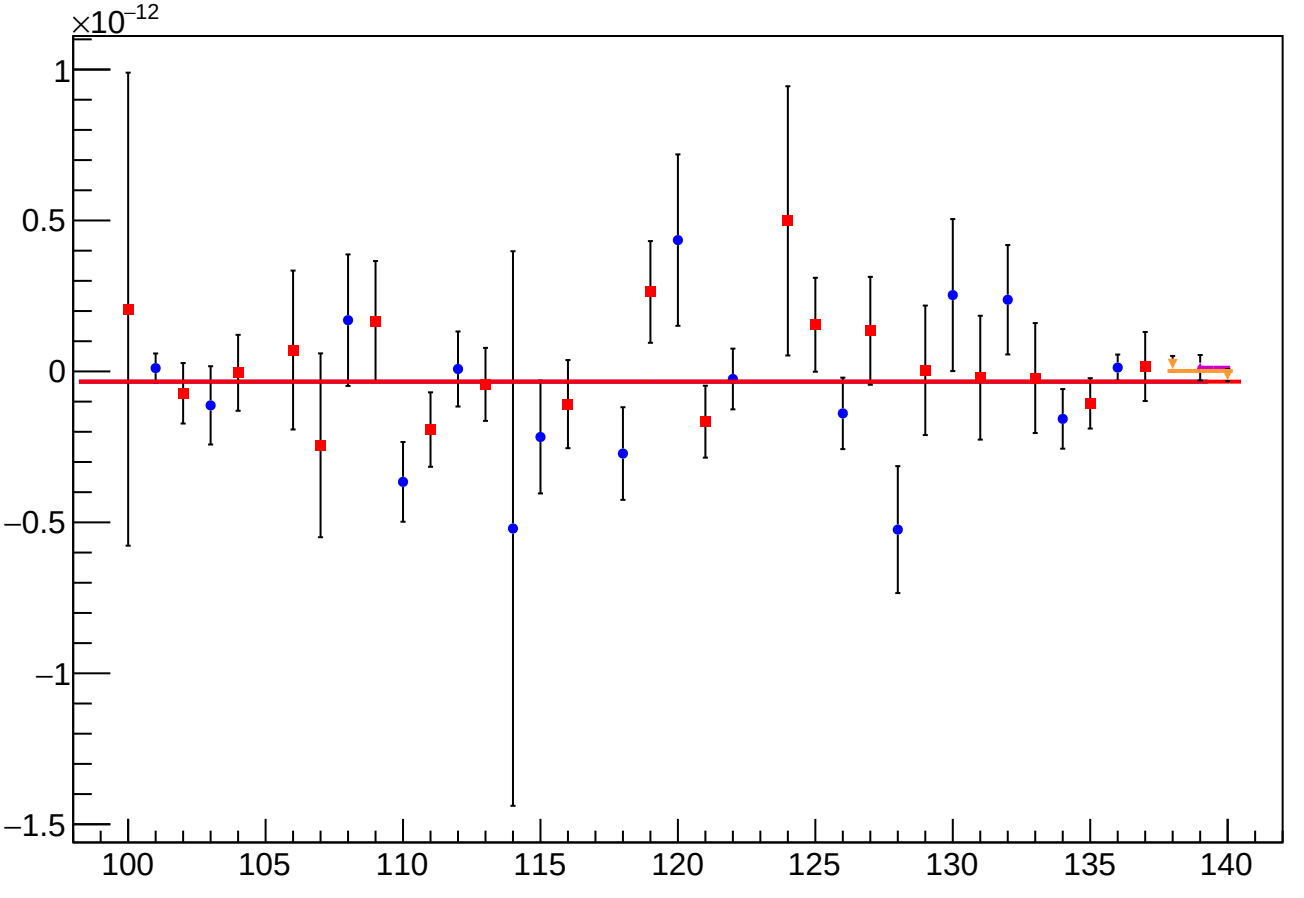
Left: 949.701+/-0.435 χ^2/NDF: 103508.5/2

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1394.449+/-0.357 χ^2/NDF:758619.7/16

Out: 1274.278+/-0.314 χ^2/NDF:1541803.1/20

All: 1326.603+/-0.236 χ^2/NDF: 2364351.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

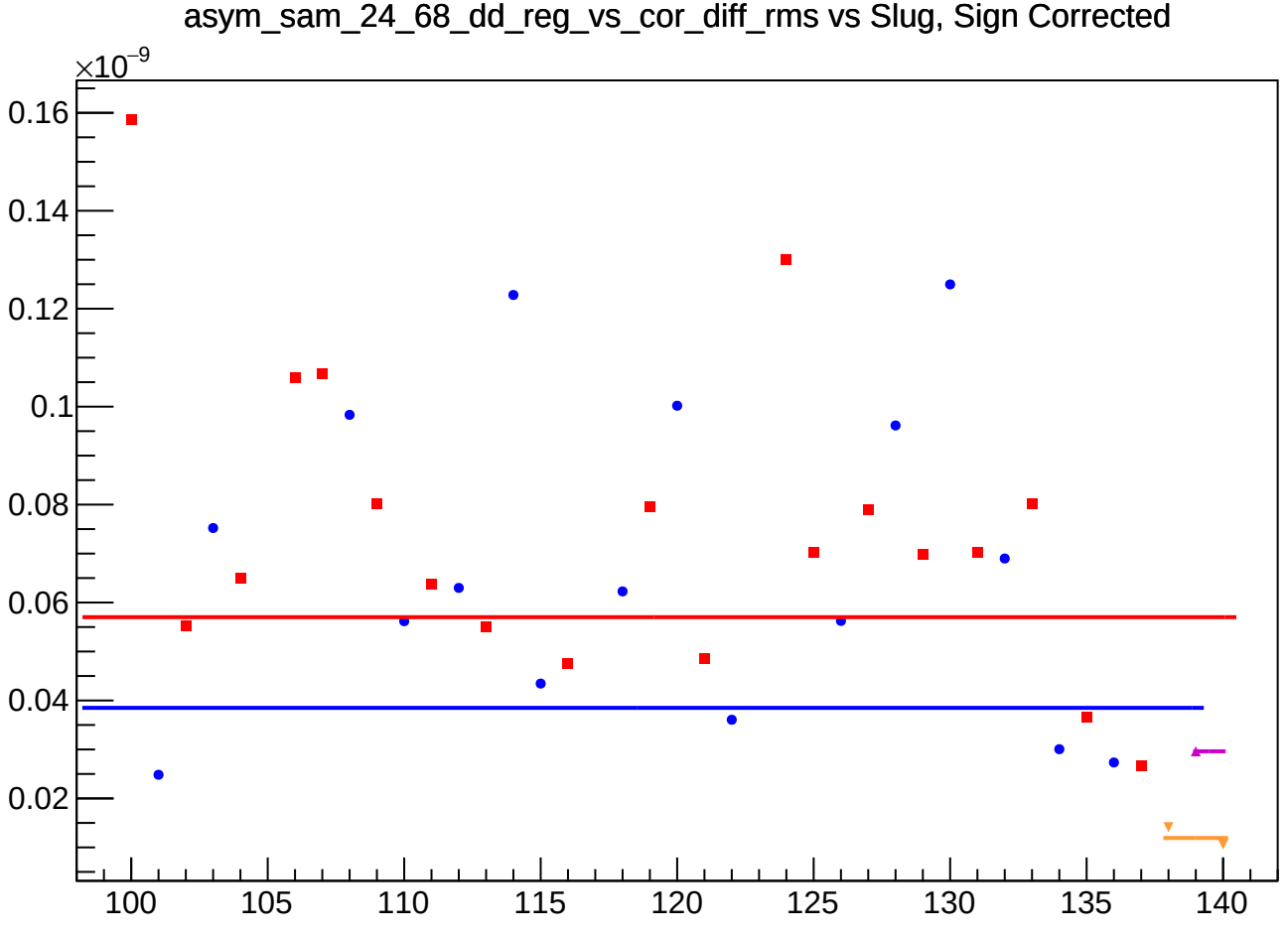
Left: 0.000+/-0.000 χ^2/NDF: 1.3/2

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:28.3/16

Out: -0.000+/-0.000 χ^2/NDF:15.2/20

All: -0.000+/-0.000 χ^2/NDF: 43.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:22671.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 332798.3/2

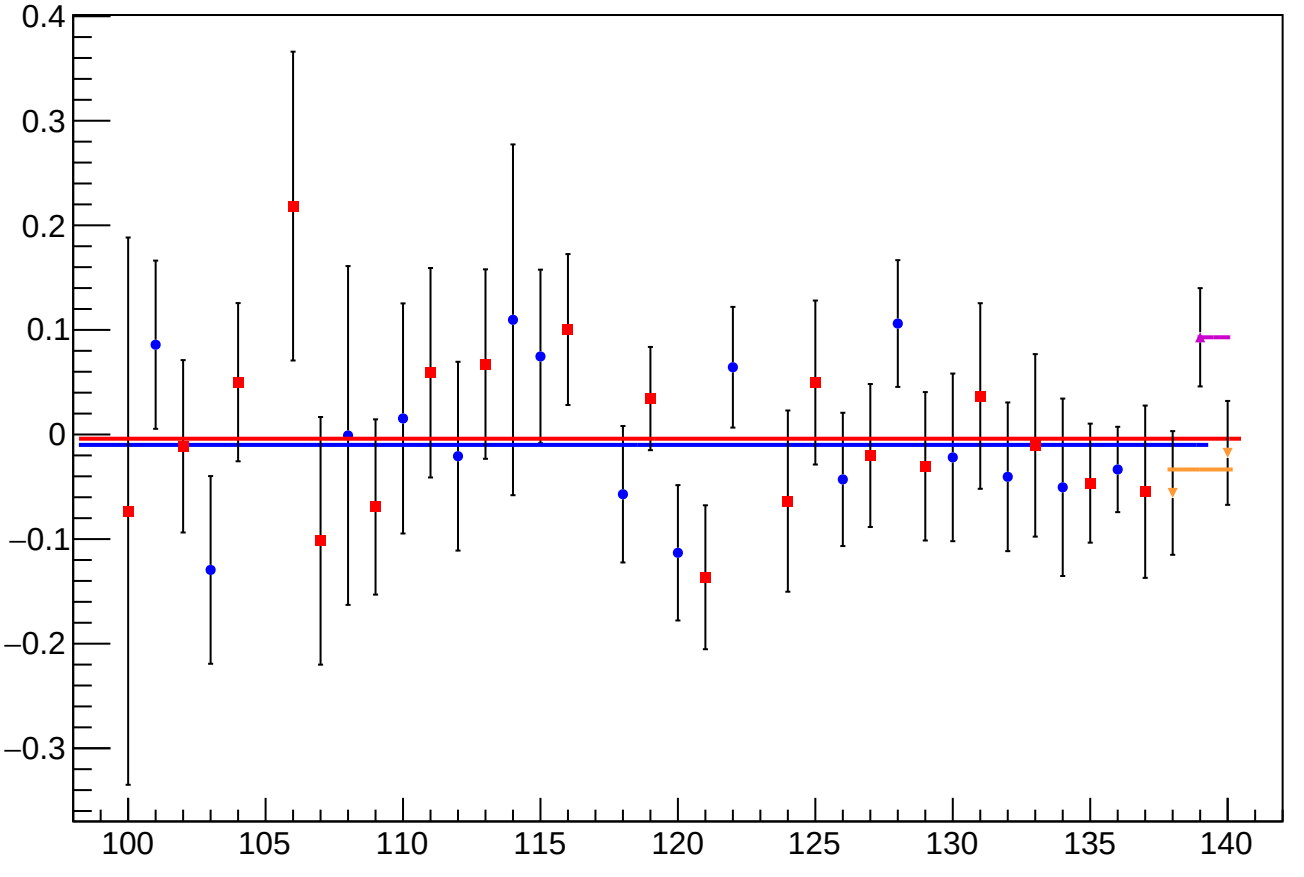
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:1448086.4/16

Out: 0.000+/-0.000 χ^2/NDF:3593771.7/20

All: 0.000+/-0.000 χ^2/NDF: 5805293.6/37

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.038 χ^2/NDF:0.2/1

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.093+/-0.047 χ^2/NDF:0.0/0

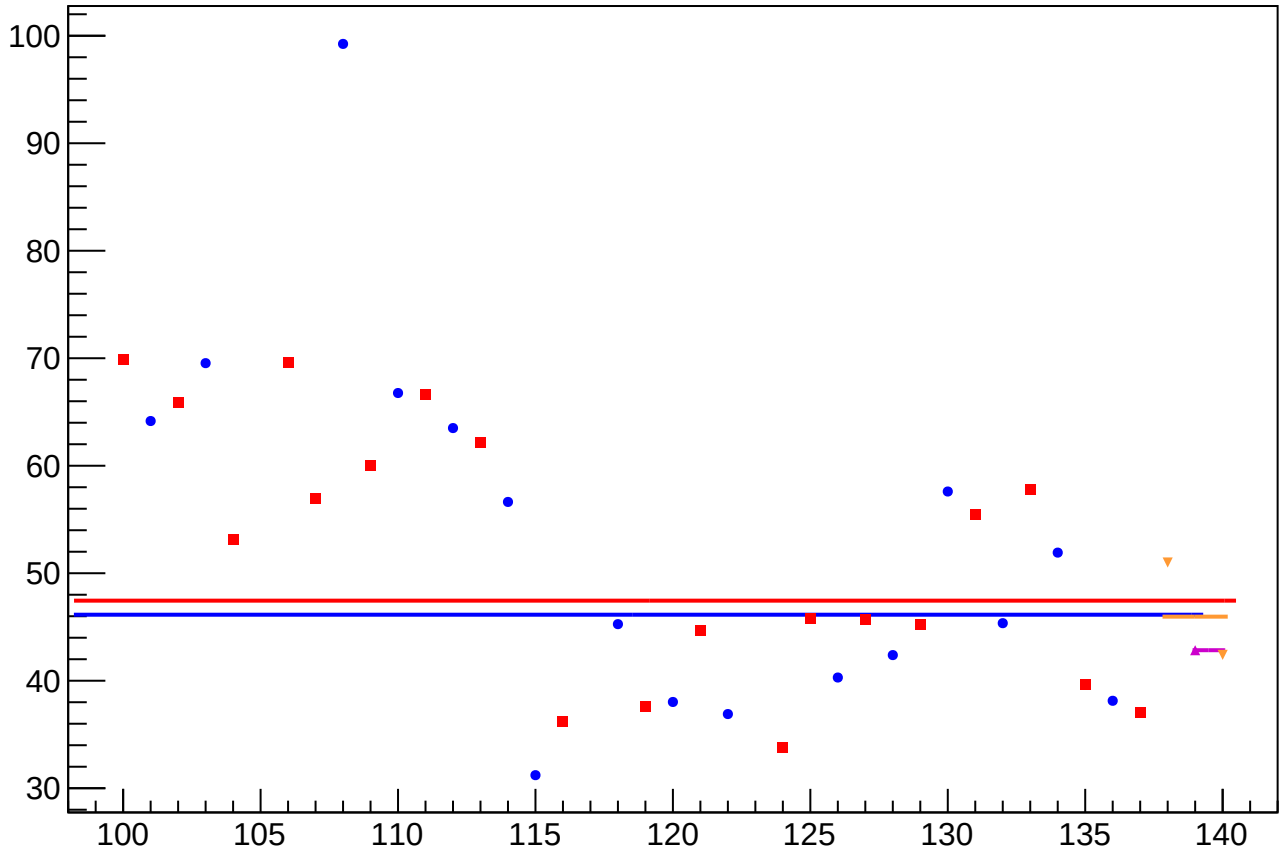
Left: 0.017+/-0.030 χ^2/NDF: 4.6/2

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.017 χ^2/NDF:18.4/16

Out: -0.009+/-0.016 χ^2/NDF:14.6/20

All: -0.003+/-0.012 χ^2/NDF: 33.3/37



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 45.961+/-0.027 χ^2/NDF:24758.0/1

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 42.840+/-0.033 χ^2/NDF:0.0/0

Left: 44.725+/-0.021 χ^2/NDF: 30090.6/2

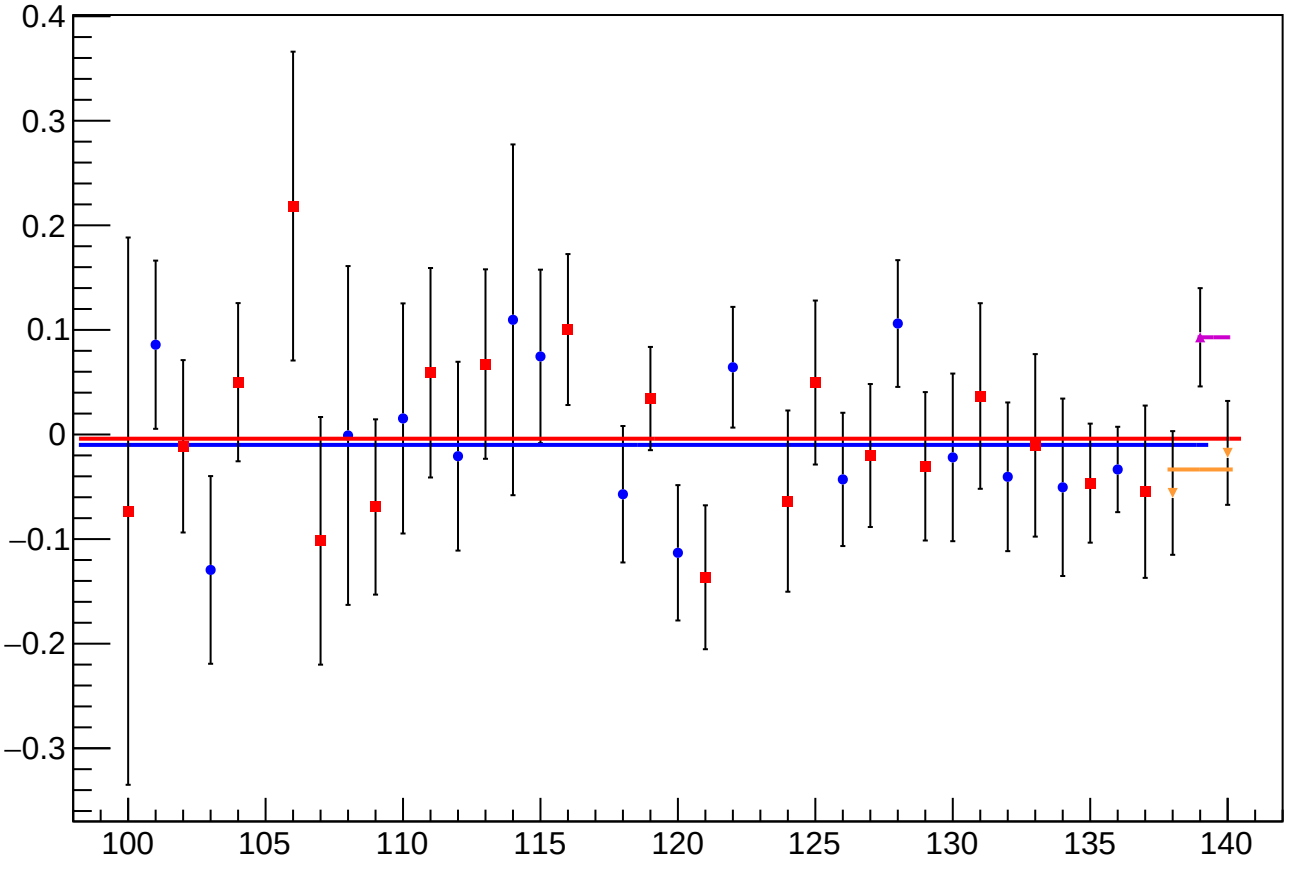
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 45.719+/-0.012 χ^2/NDF:911893.1/16

Out: 47.175+/-0.012 χ^2/NDF:681949.9/20

All: 46.468+/-0.008 χ^2/NDF: 1601560.2/37

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.038 χ^2/NDF:0.2/1

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.093+/-0.047 χ^2/NDF:0.0/0

Left: 0.017+/-0.030 χ^2/NDF: 4.6/2

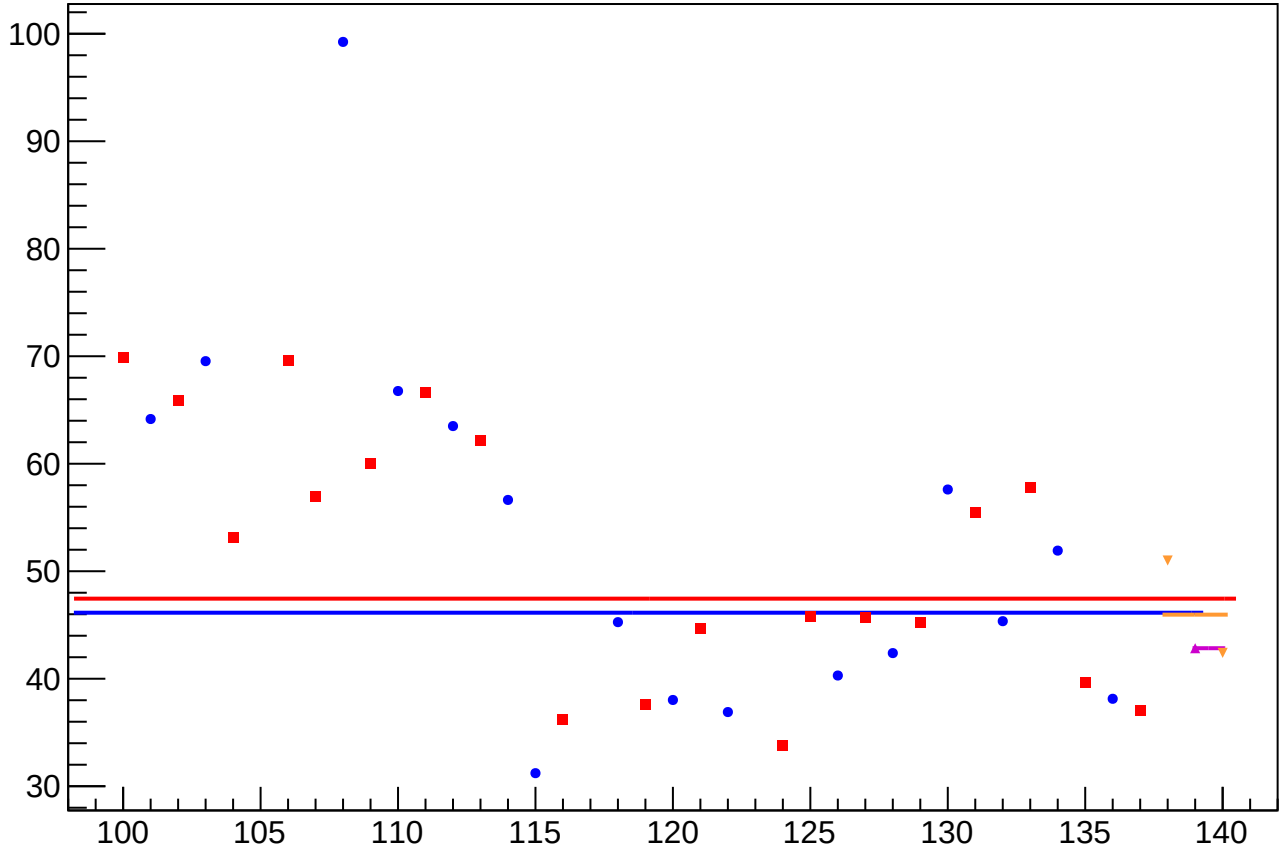
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.017 χ^2/NDF:18.4/16

Out: -0.009+/-0.016 χ^2/NDF:14.6/20

All: -0.003+/-0.012 χ^2/NDF: 33.3/37

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 45.961+/-0.027 χ^2/NDF:24758.0/1

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 42.840+/-0.033 χ^2/NDF:0.0/0

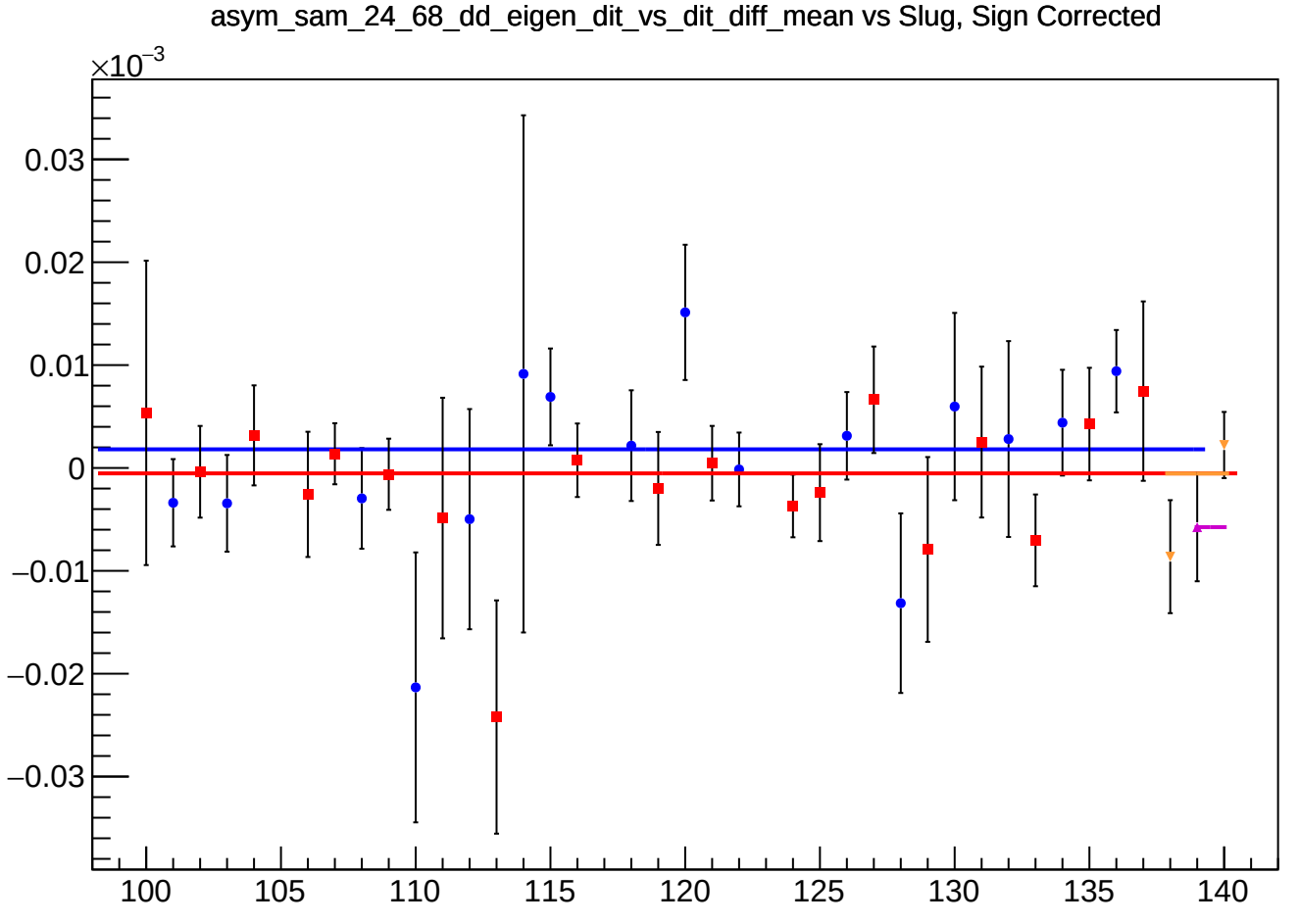
Left: 44.725+/-0.021 χ^2/NDF: 30090.6/2

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 45.719+/-0.012 χ^2/NDF:911893.1/16

Out: 47.175+/-0.012 χ^2/NDF:681949.9/20

All: 46.468+/-0.008 χ^2/NDF: 1601560.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

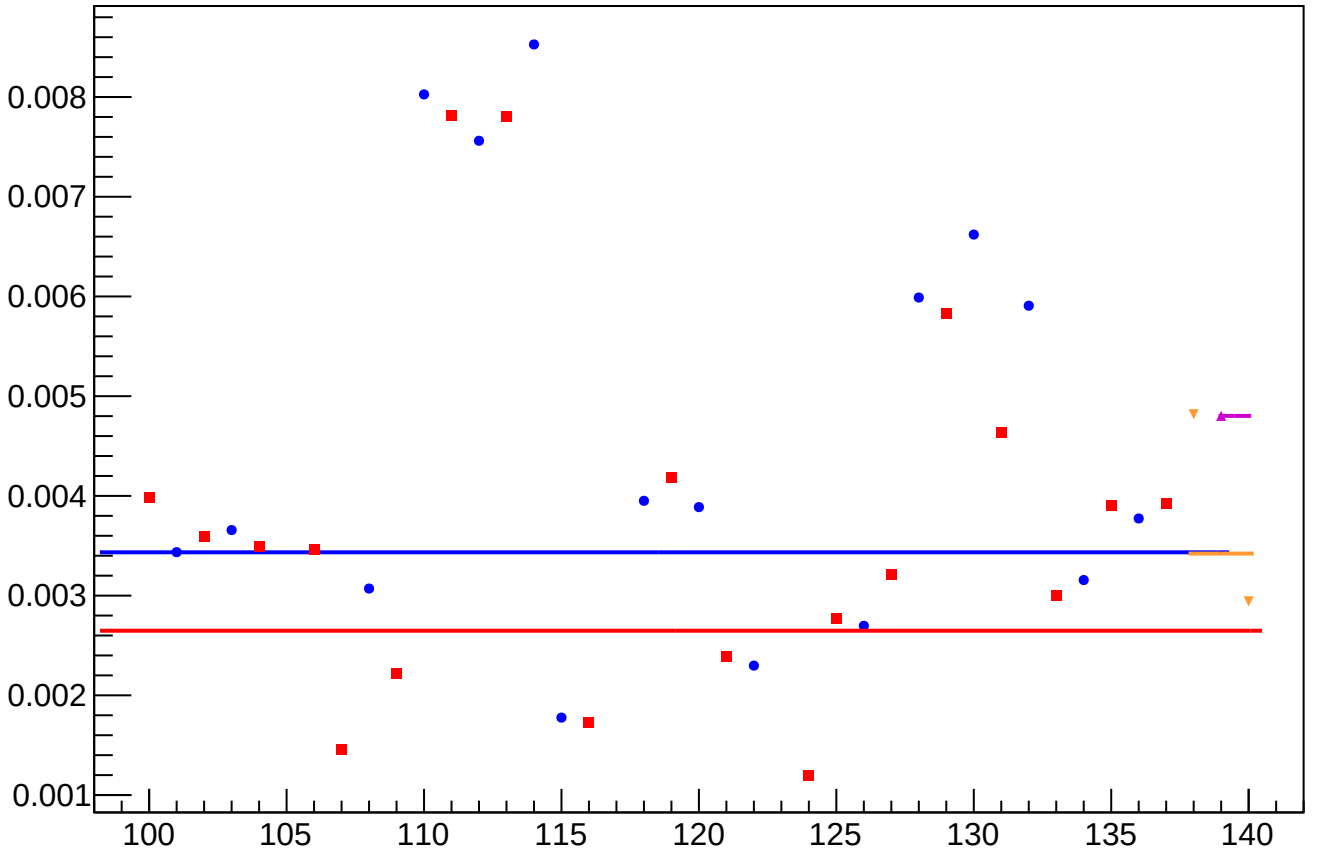
Left: -0.000+/-0.000 χ^2/NDF: 3.7/2

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:21.9/16

Out: -0.000+/-0.000 χ^2/NDF:16.7/20

All: 0.000+/-0.000 χ^2/NDF: 39.8/37



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:173789.7/1

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.005+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 281596.1/2

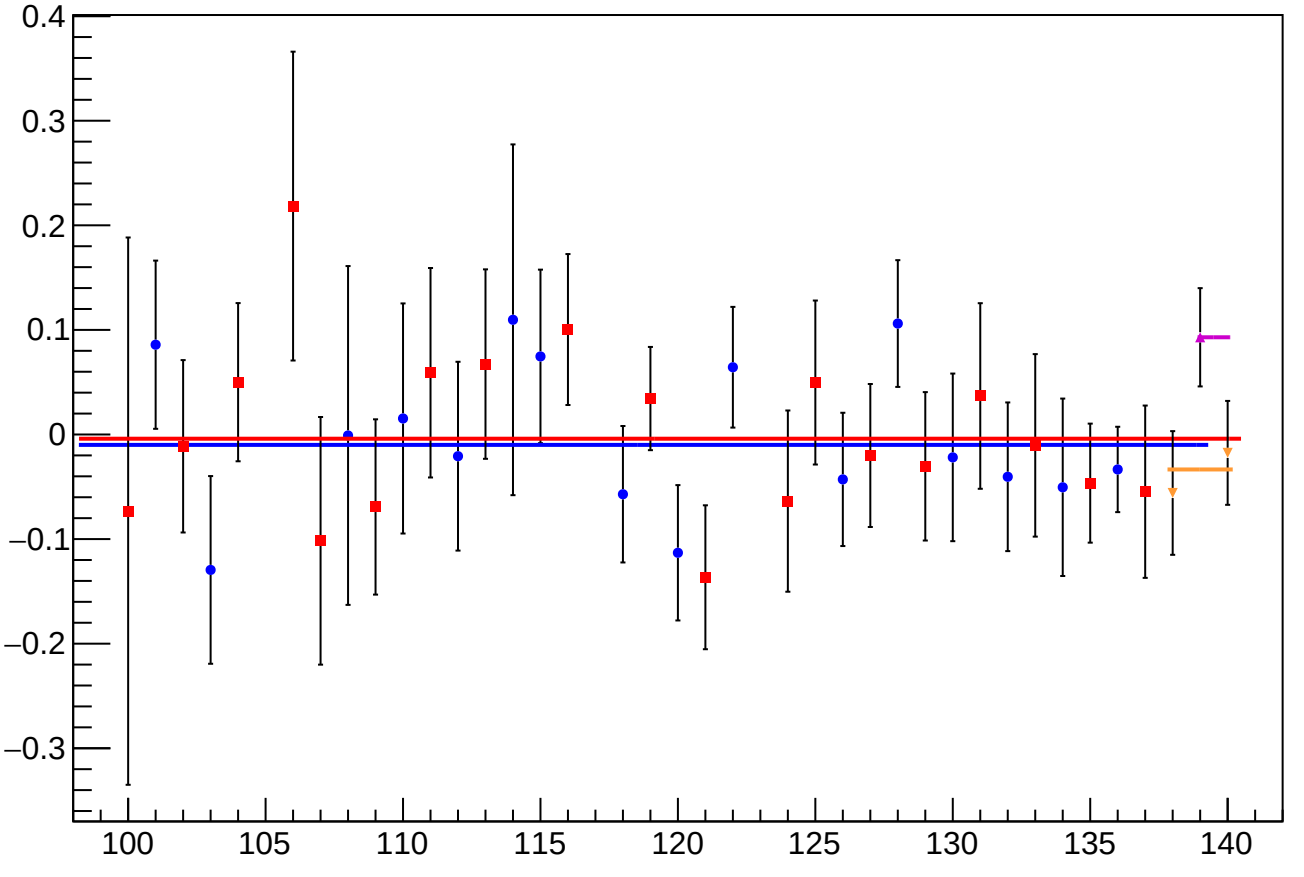
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.004+/-0.000 χ^2/NDF:1875222.1/16

Out: 0.003+/-0.000 χ^2/NDF:3005288.9/20

All: 0.003+/-0.000 χ^2/NDF: 5305277.9/37

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.038 χ^2/NDF:0.2/1

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.093+/-0.047 χ^2/NDF:0.0/0

Left: 0.017+/-0.030 χ^2/NDF: 4.6/2

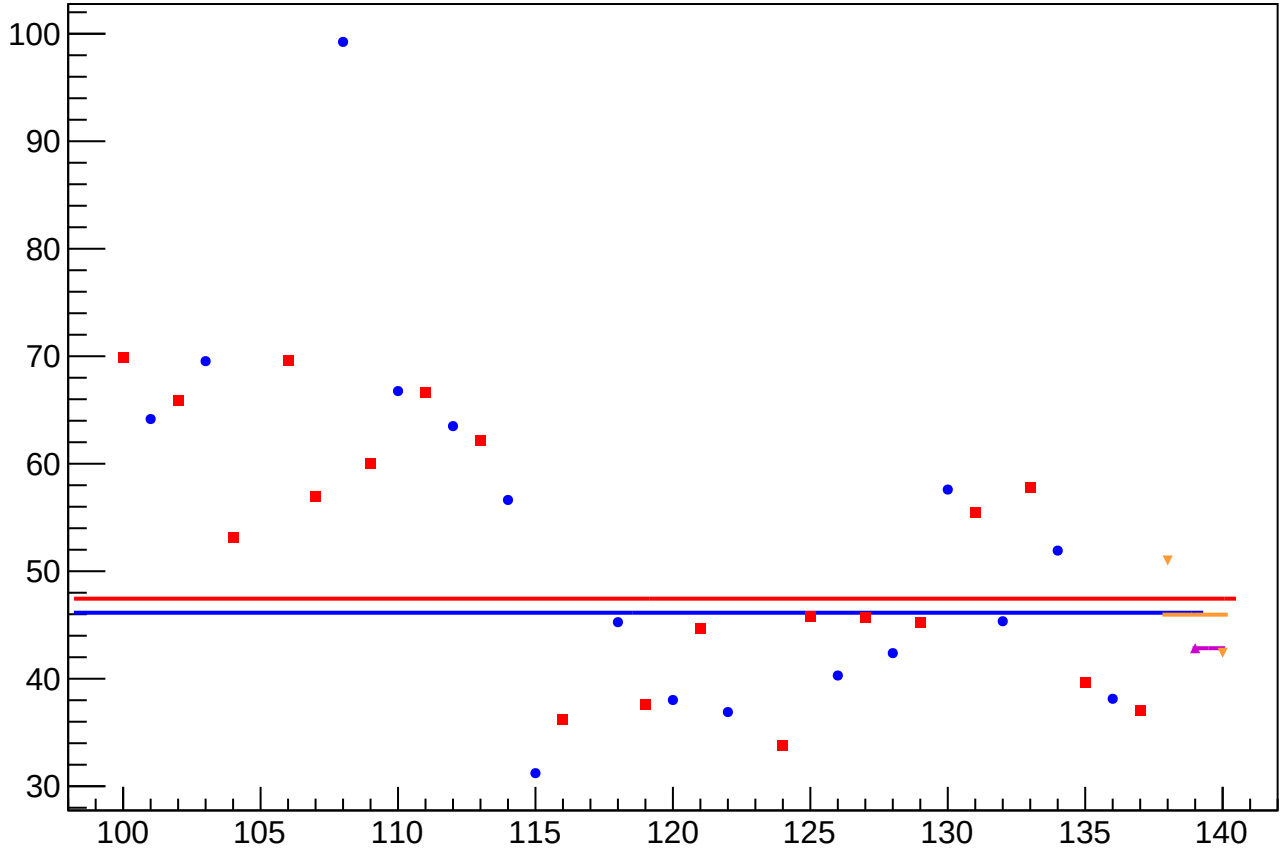
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.017 χ^2/NDF:18.4/16

Out: -0.009+/-0.016 χ^2/NDF:14.6/20

All: -0.003+/-0.012 χ^2/NDF: 33.3/37

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 45.961+/-0.027 χ^2/NDF:24748.1/1

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 42.839+/-0.033 χ^2/NDF:0.0/0

Left: 44.725+/-0.021 χ^2/NDF: 30084.0/2

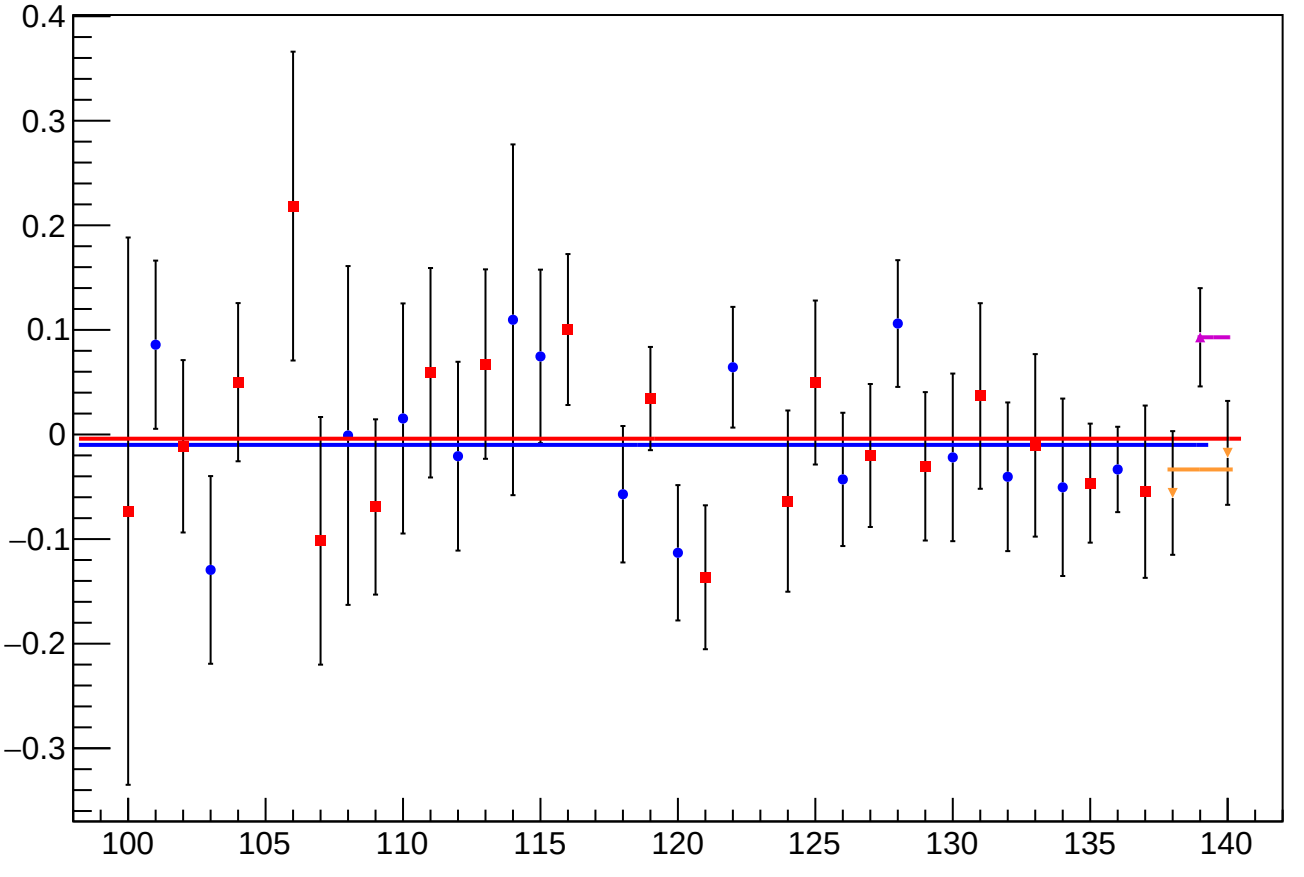
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 45.718+/-0.012 χ^2/NDF:911861.0/16

Out: 47.174+/-0.012 χ^2/NDF:681930.2/20

All: 46.466+/-0.008 χ^2/NDF: 1601514.2/37

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.038 χ^2/NDF:0.2/1

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.093+/-0.047 χ^2/NDF:0.0/0

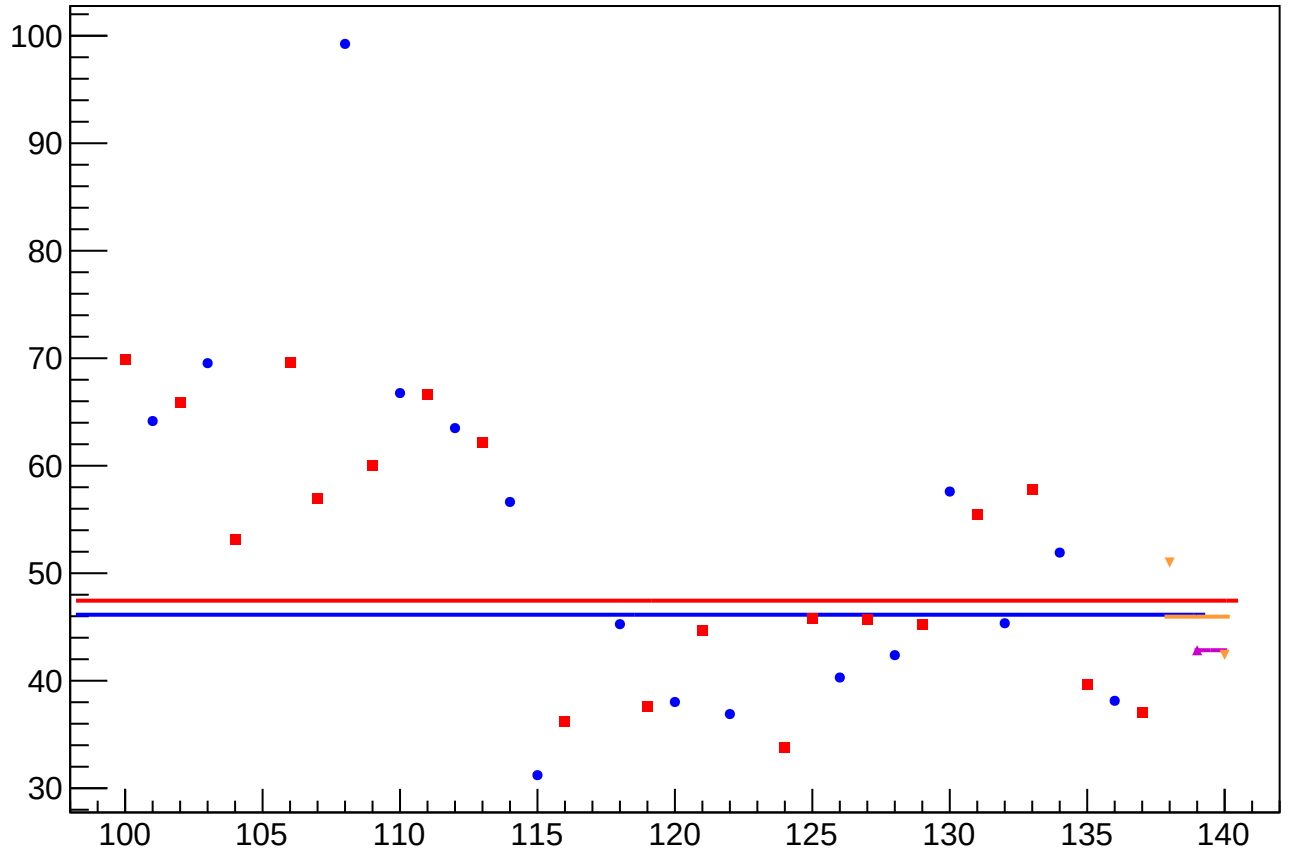
Left: 0.017+/-0.030 χ^2/NDF: 4.6/2

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.017 χ^2/NDF:18.4/16

Out: -0.009+/-0.016 χ^2/NDF:14.6/20

All: -0.003+/-0.012 χ^2/NDF: 33.3/37



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 45.961+/-0.027 χ^2/NDF:24748.1/1

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 42.839+/-0.033 χ^2/NDF:0.0/0

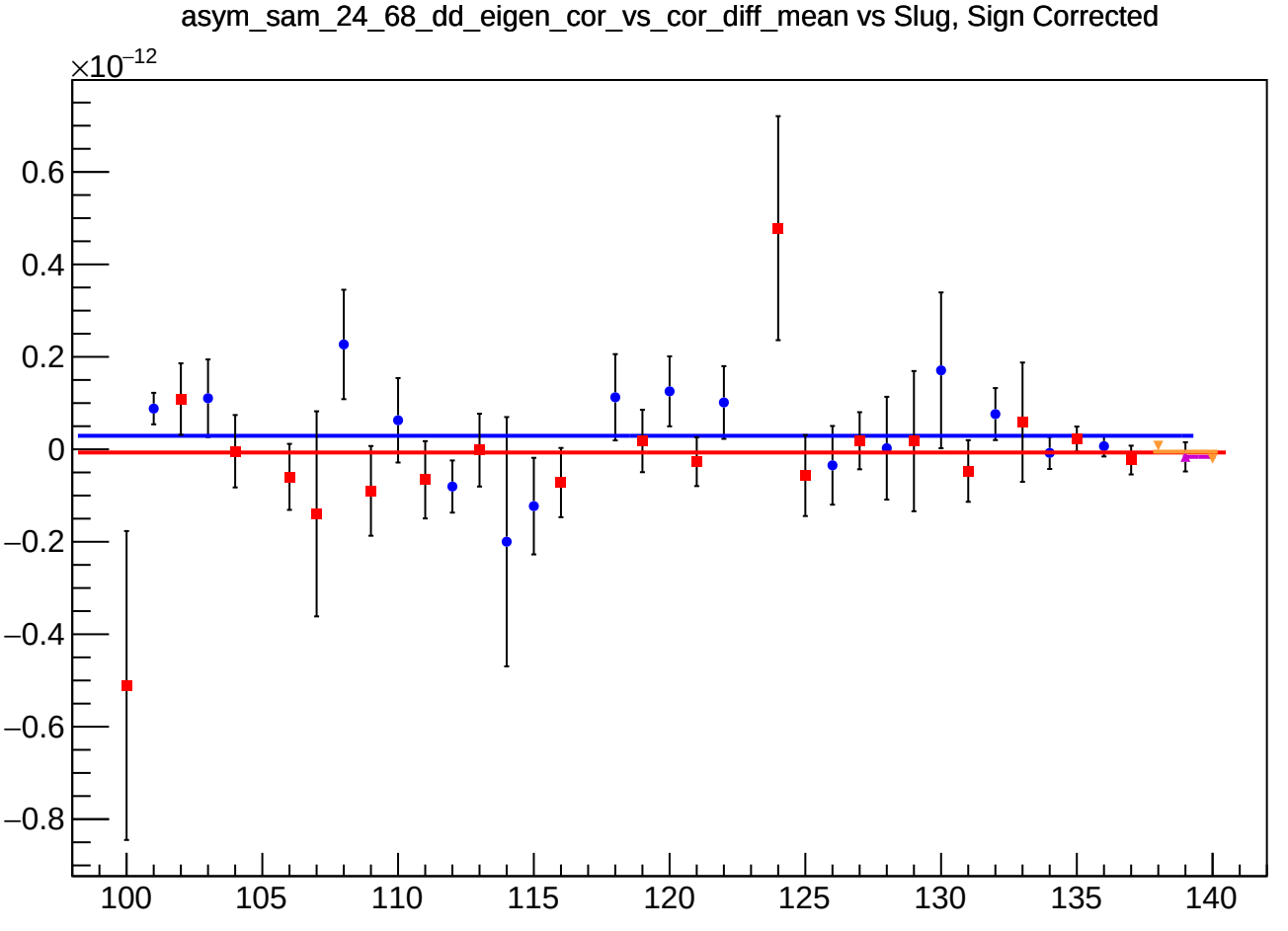
Left: 44.725+/-0.021 χ^2/NDF: 30084.0/2

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 45.718+/-0.012 χ^2/NDF:911861.0/16

Out: 47.174+/-0.012 χ^2/NDF:681930.2/20

All: 46.466+/-0.008 χ^2/NDF: 1601514.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

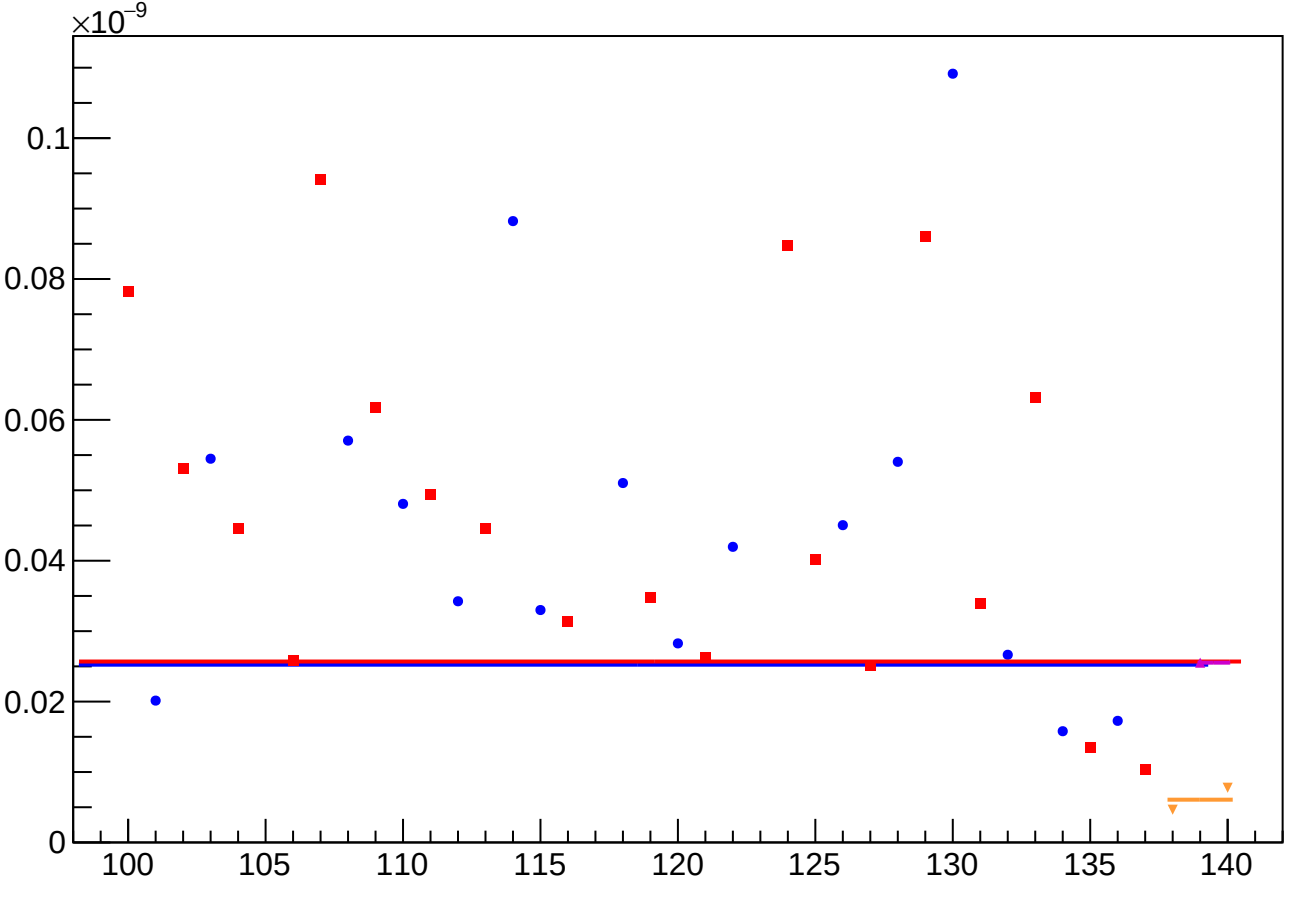
Left: -0.000+/-0.000 χ^2/NDF: 4.0/2

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: 0.000+/-0.000 χ^2/NDF:22.7/16

Out: -0.000+/-0.000 χ^2/NDF:18.1/20

All: 0.000+/-0.000 χ^2/NDF: 44.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:94285.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

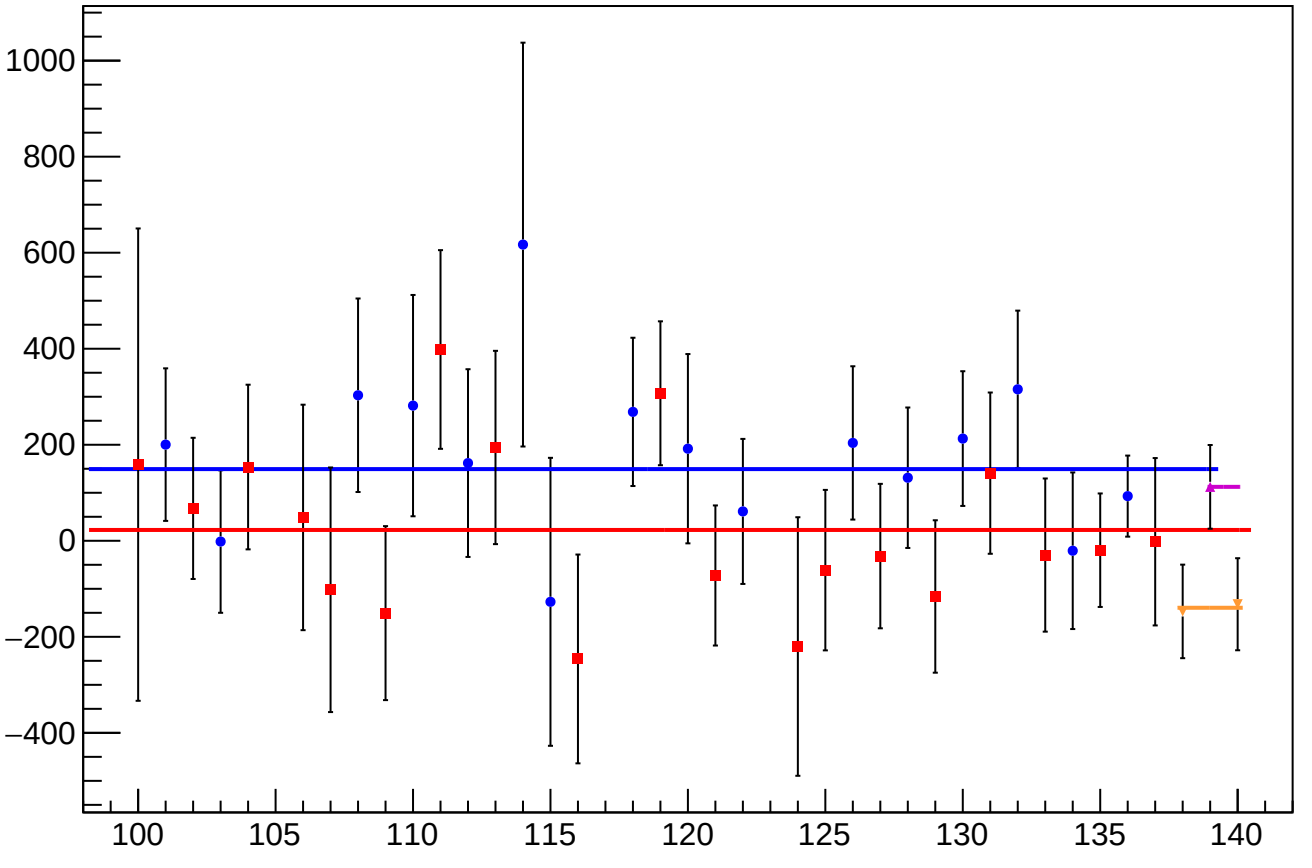
Left: 0.000+/-0.000 χ^2/NDF: 816800.0/2

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:2118099.7/16

Out: 0.000+/-0.000 χ^2/NDF:5880944.6/20

All: 0.000+/-0.000 χ^2/NDF: 10396492.5/37



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -139.502+/-68.325 χ^2/NDF:0.0/1

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 112.347+/-87.144 χ^2/NDF:0.0/0

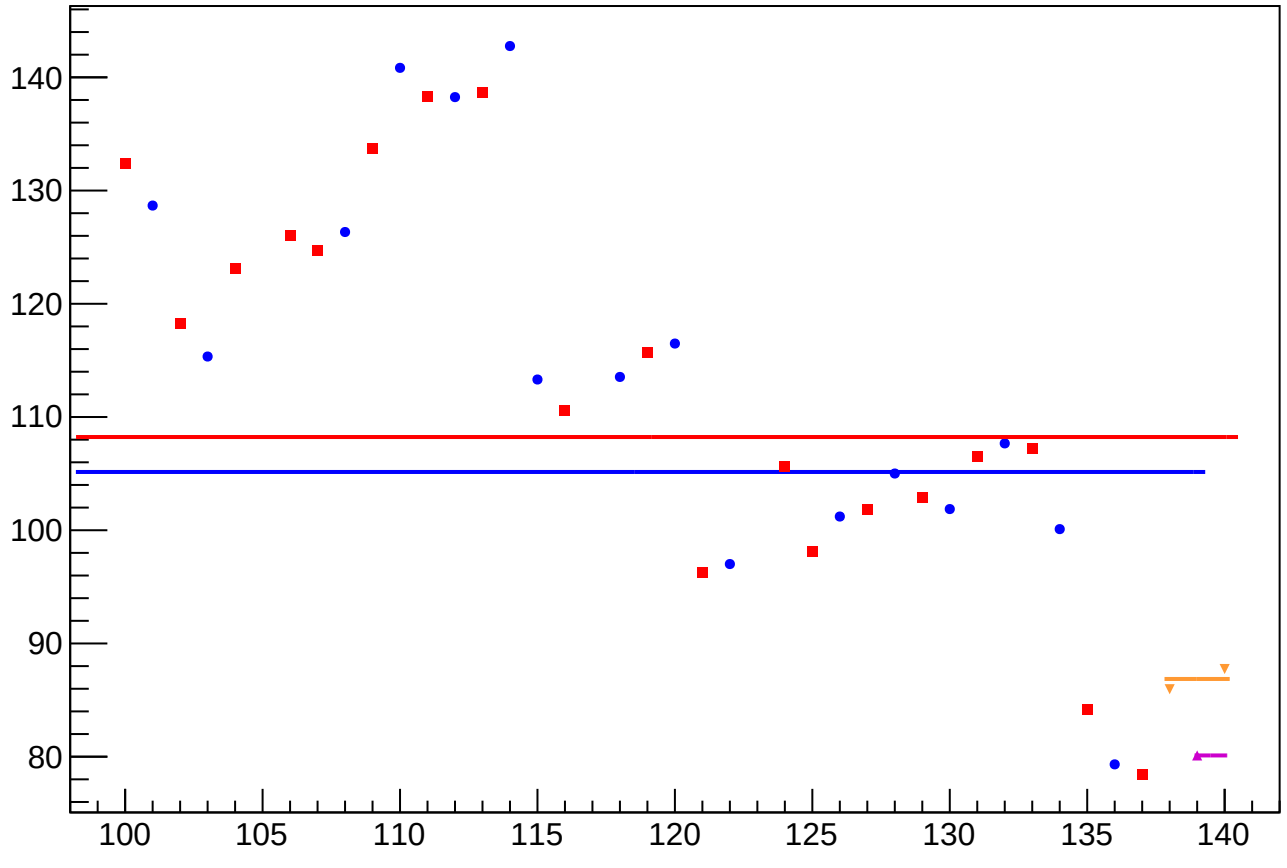
Left: -43.623+/-53.769 χ^2/NDF: 5.2/2

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 142.955+/-36.118 χ^2/NDF:8.2/16

Out: -18.970+/-34.584 χ^2/NDF:18.4/20

All: 58.481+/-24.979 χ^2/NDF: 37.1/37



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.865+/-0.048 χ^2/NDF:341.1/1

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 80.110+/-0.062 χ^2/NDF:0.0/0

Left: 84.293+/-0.038 χ^2/NDF: 7781.9/2

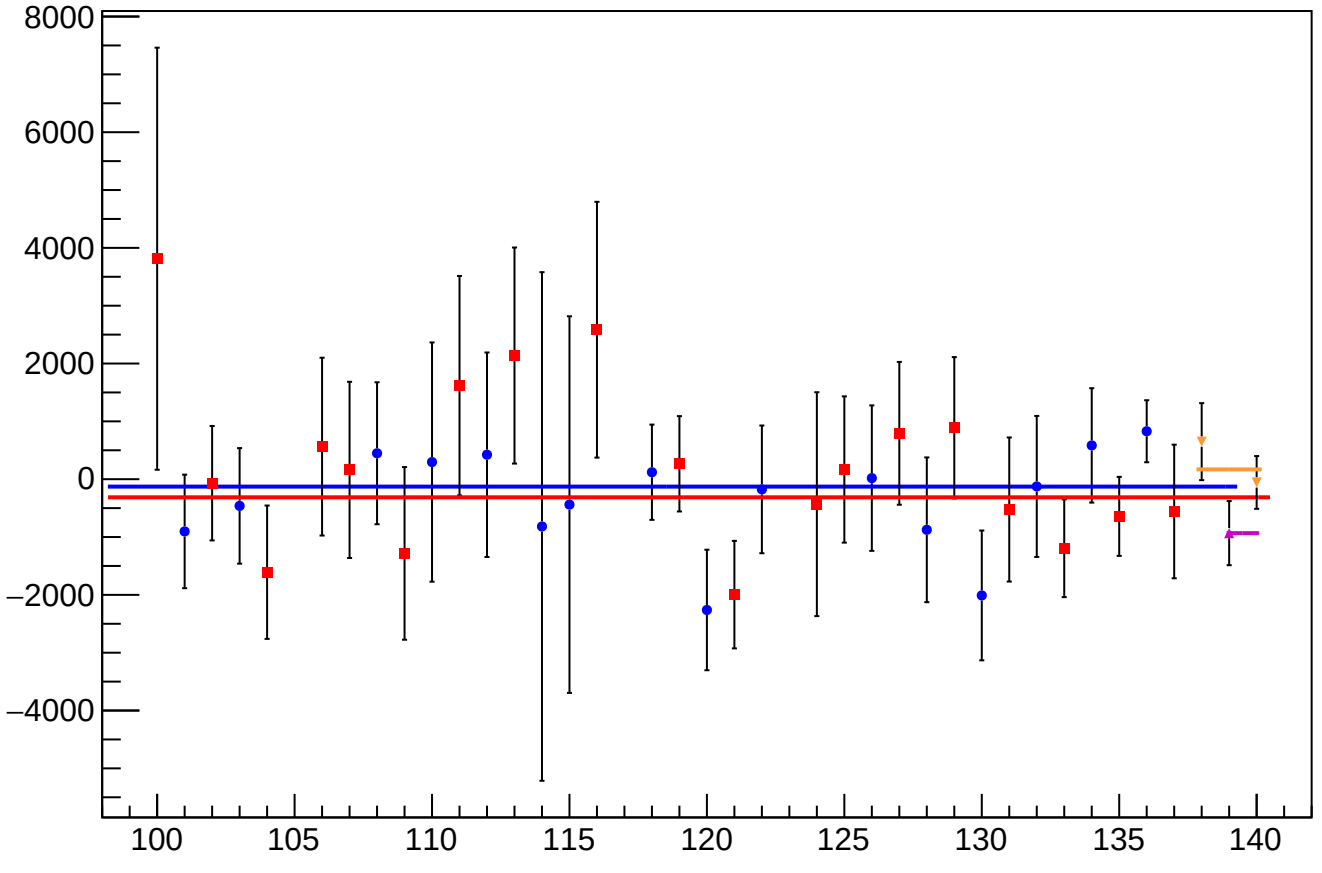
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 100.846+/-0.026 χ^2/NDF:545124.2/16

Out: 102.758+/-0.024 χ^2/NDF:495774.8/20

All: 101.843+/-0.018 χ^2/NDF: 1043824.5/37

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 169.230+/-376.223 χ^2/NDF:0.8/1

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -932.596+/-554.428 χ^2/NDF:0.0/0

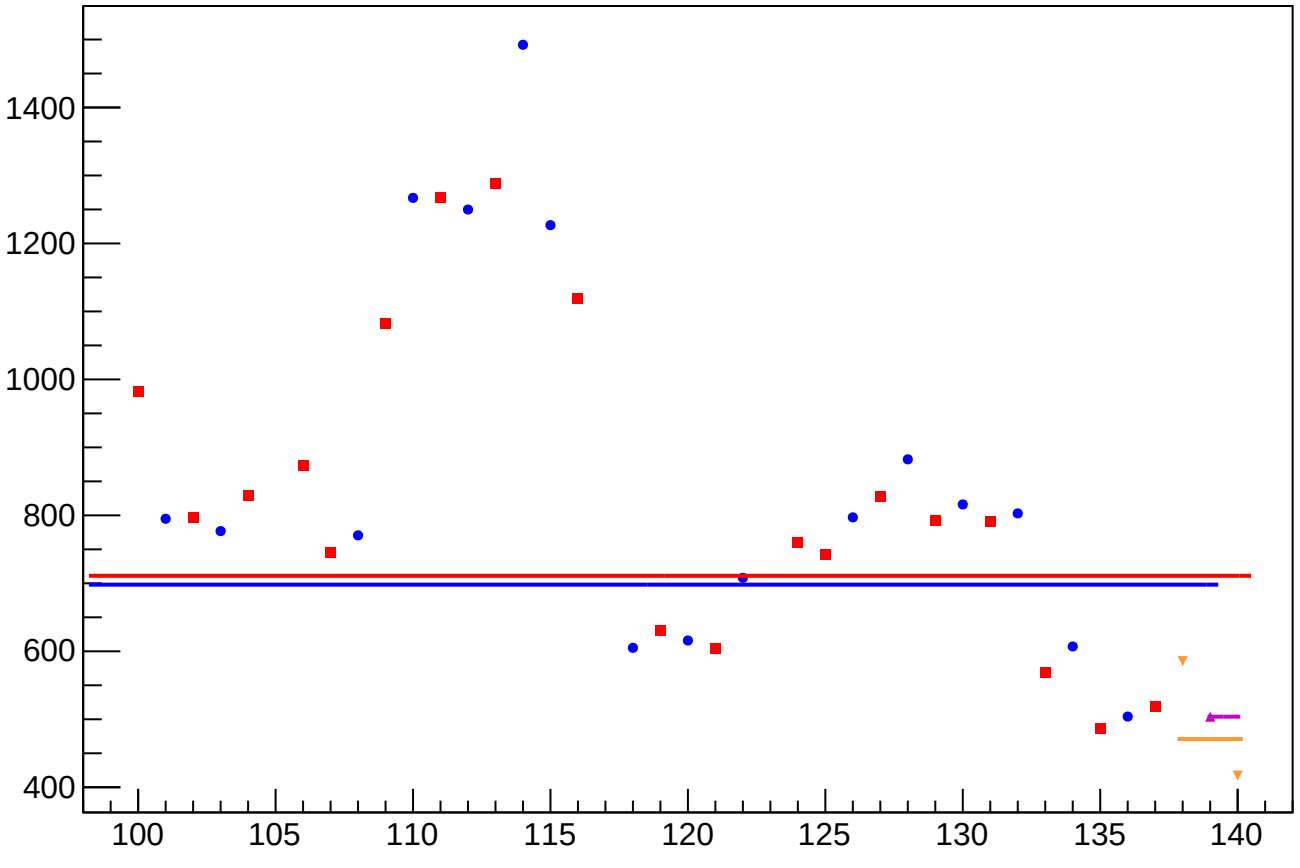
Left: -178.164+/-311.314 χ^2/NDF: 3.5/2

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -281.001+/-241.735 χ^2/NDF:14.0/16

Out: -148.982+/-219.428 χ^2/NDF:16.8/20

All: -208.621+/-162.474 χ^2/NDF: 31.0/37



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 470.960+/-0.266 χ^2/NDF:87036.1/1

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 503.834+/-0.392 χ^2/NDF:0.0/0

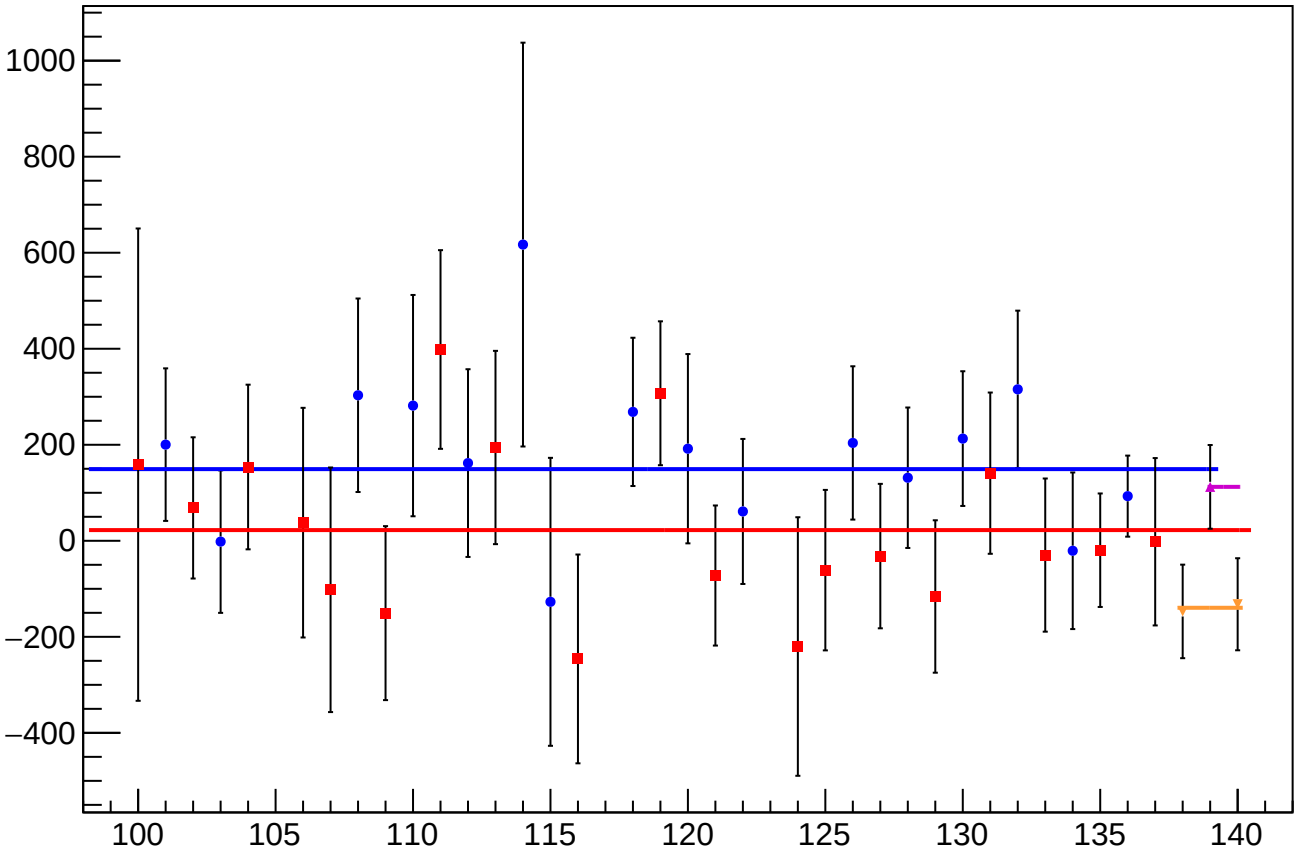
Left: 481.325+/-0.220 χ^2/NDF: 91850.6/2

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 661.133+/-0.171 χ^2/NDF:1111626.2/16

Out: 629.404+/-0.155 χ^2/NDF:1659754.1/20

All: 643.737+/-0.115 χ^2/NDF: 2790270.6/37



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -139.511+/-68.325 χ^2/NDF:0.0/1

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 112.357+/-87.144 χ^2/NDF:0.0/0

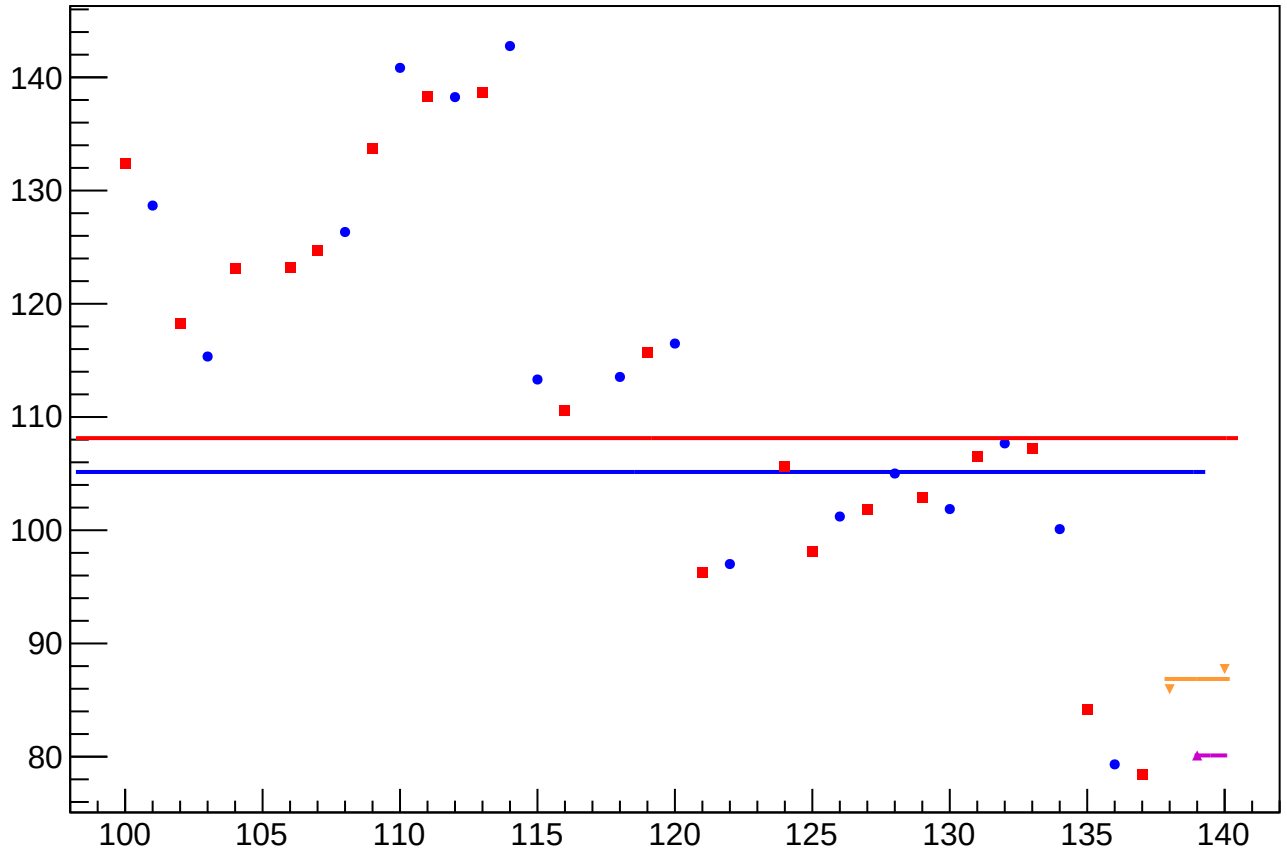
Left: -43.625+/-53.769 χ^2/NDF: 5.2/2

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 142.949+/-36.118 χ^2/NDF:8.2/16

Out: -19.194+/-34.598 χ^2/NDF:18.4/20

All: 58.395+/-24.985 χ^2/NDF: 37.1/37



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.865+/-0.048 χ^2/NDF:341.1/1

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 80.110+/-0.062 χ^2/NDF:0.0/0

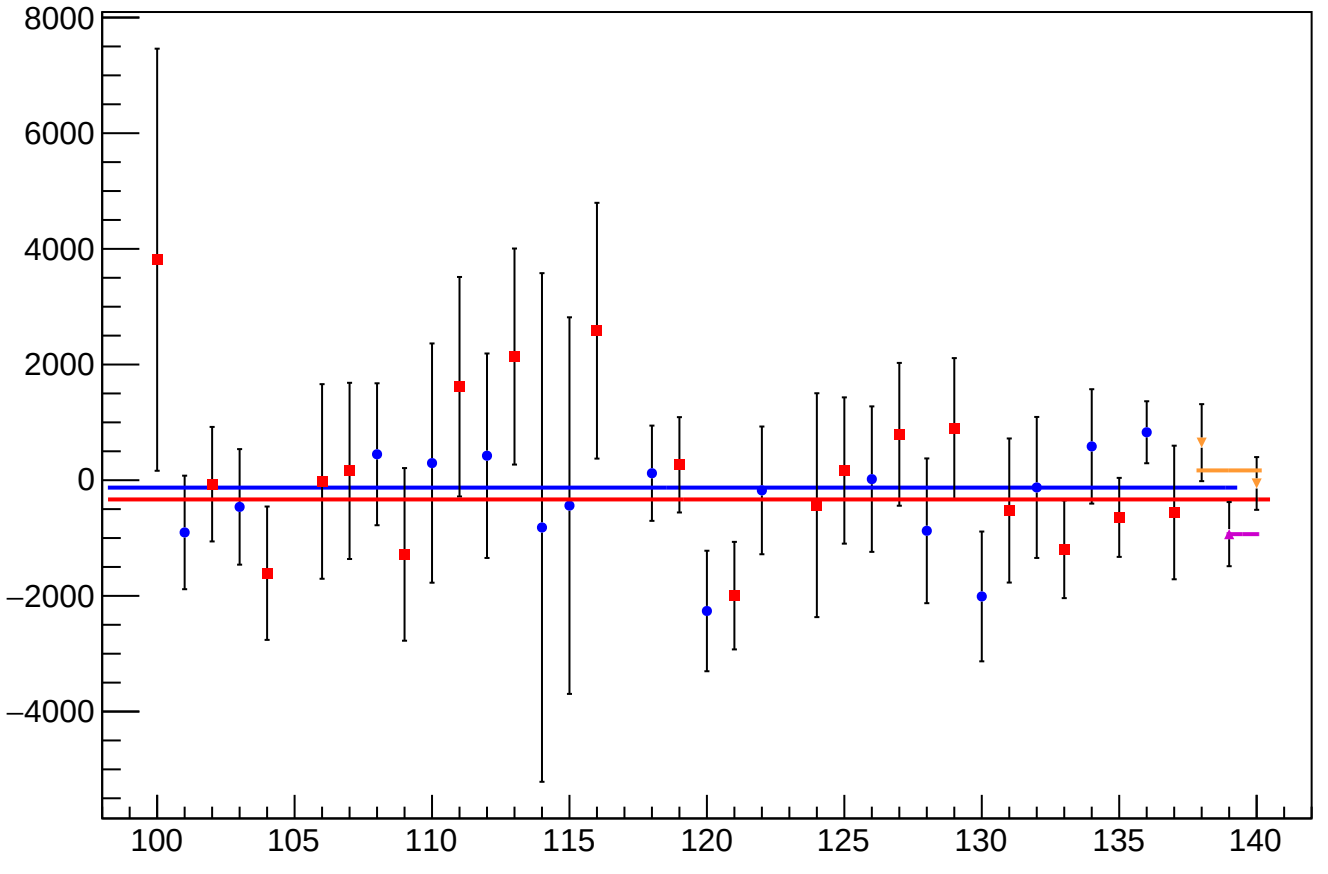
Left: 84.293+/-0.038 χ^2/NDF: 7781.9/2

Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 100.846+/-0.026 χ^2/NDF:545124.5/16

Out: 102.682+/-0.024 χ^2/NDF:490810.2/20

All: 101.803+/-0.018 χ^2/NDF: 1038630.7/37



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 169.216+/-376.223 χ^2/NDF:0.8/1

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -932.583+/-554.427 χ^2/NDF:0.0/0

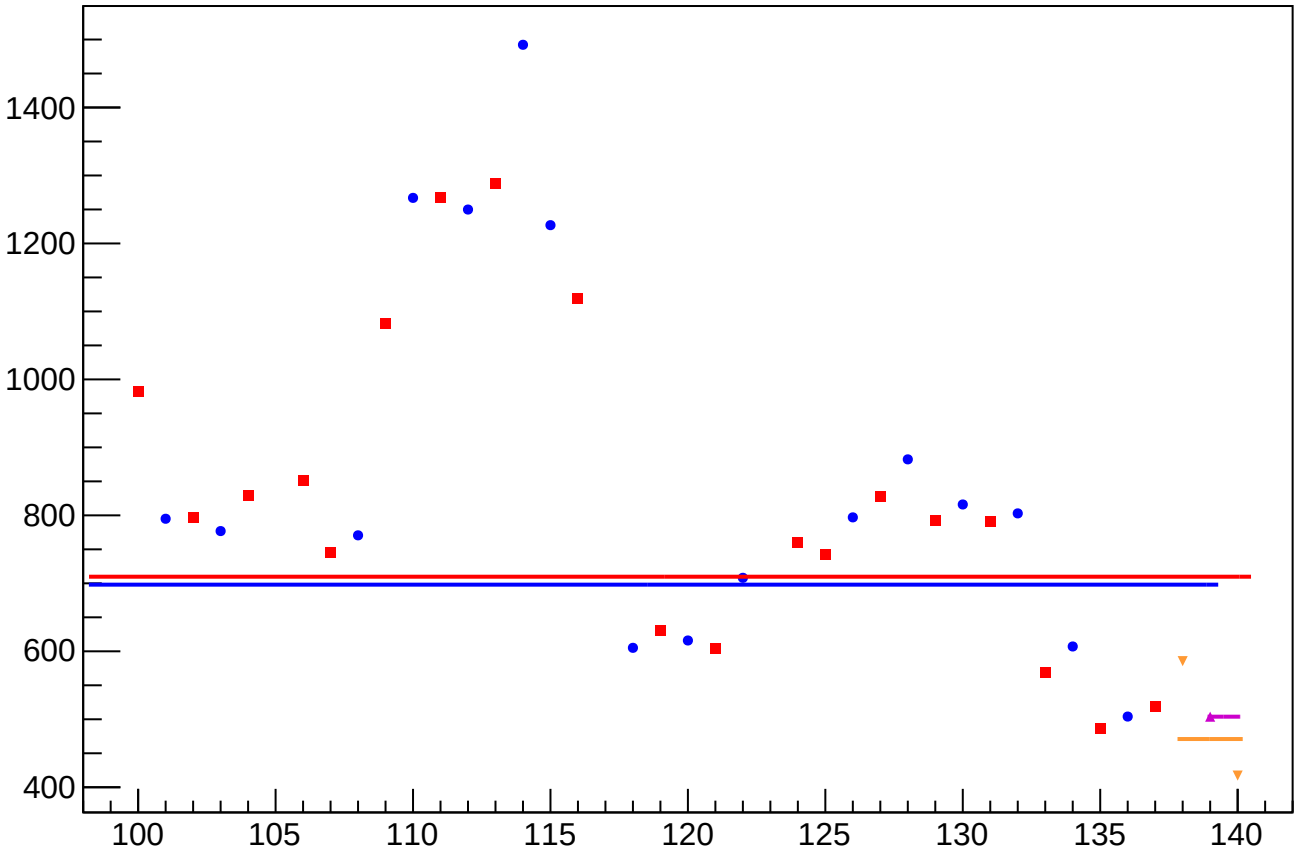
Left: -178.169+/-311.314 χ^2/NDF: 3.5/2

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -280.992+/-241.735 χ^2/NDF:14.0/16

Out: -161.354+/-219.805 χ^2/NDF:16.6/20

All: -215.501+/-162.627 χ^2/NDF: 30.8/37



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 470.960+/-0.266 χ^2/NDF:87035.9/1

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 503.834+/-0.392 χ^2/NDF:0.0/0

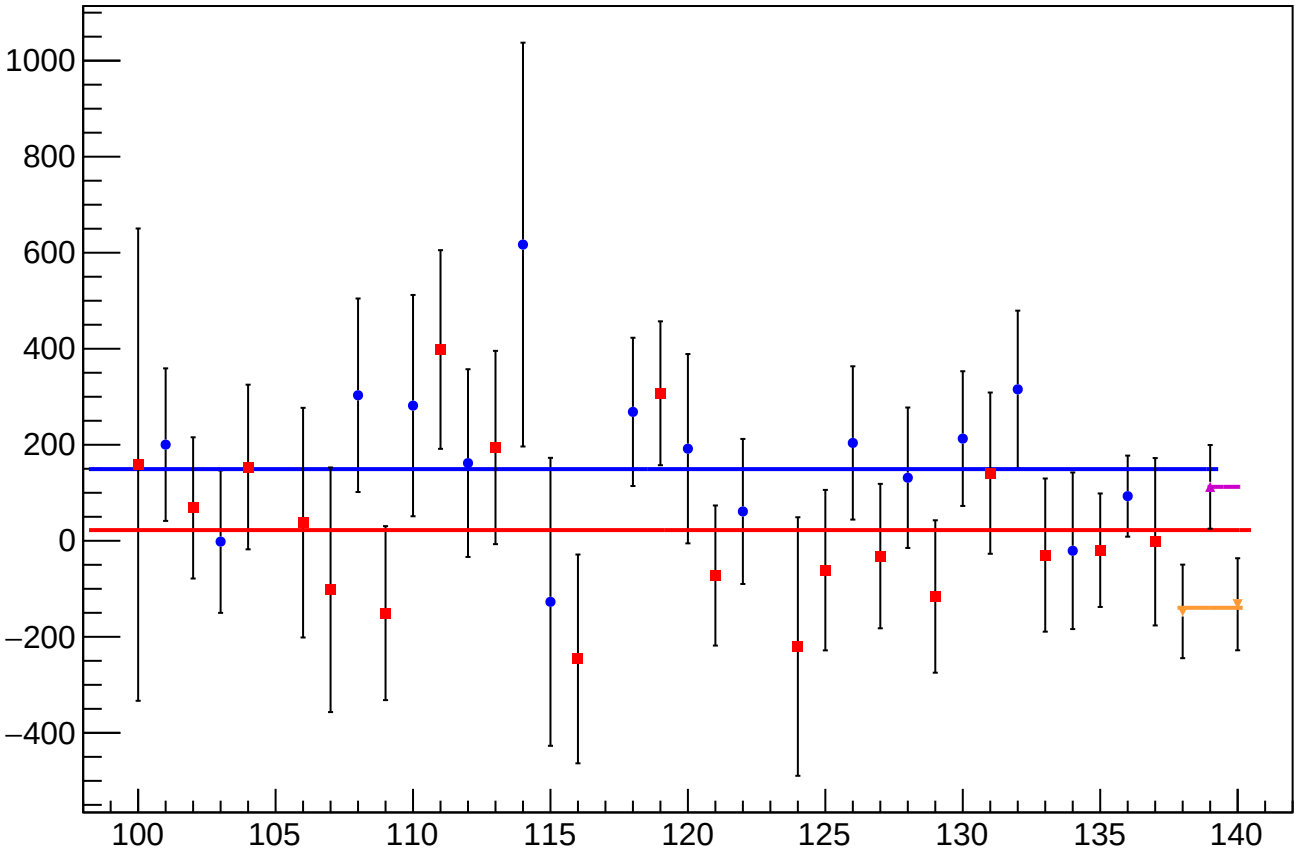
Left: 481.324+/-0.220 χ^2/NDF: 91850.4/2

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 661.133+/-0.171 χ^2/NDF:1111638.0/16

Out: 628.241+/-0.155 χ^2/NDF:1644827.1/20

All: 643.128+/-0.115 χ^2/NDF: 2776734.6/37



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -139.511+/-68.325 χ^2/NDF:0.0/1

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 112.357+/-87.144 χ^2/NDF:0.0/0

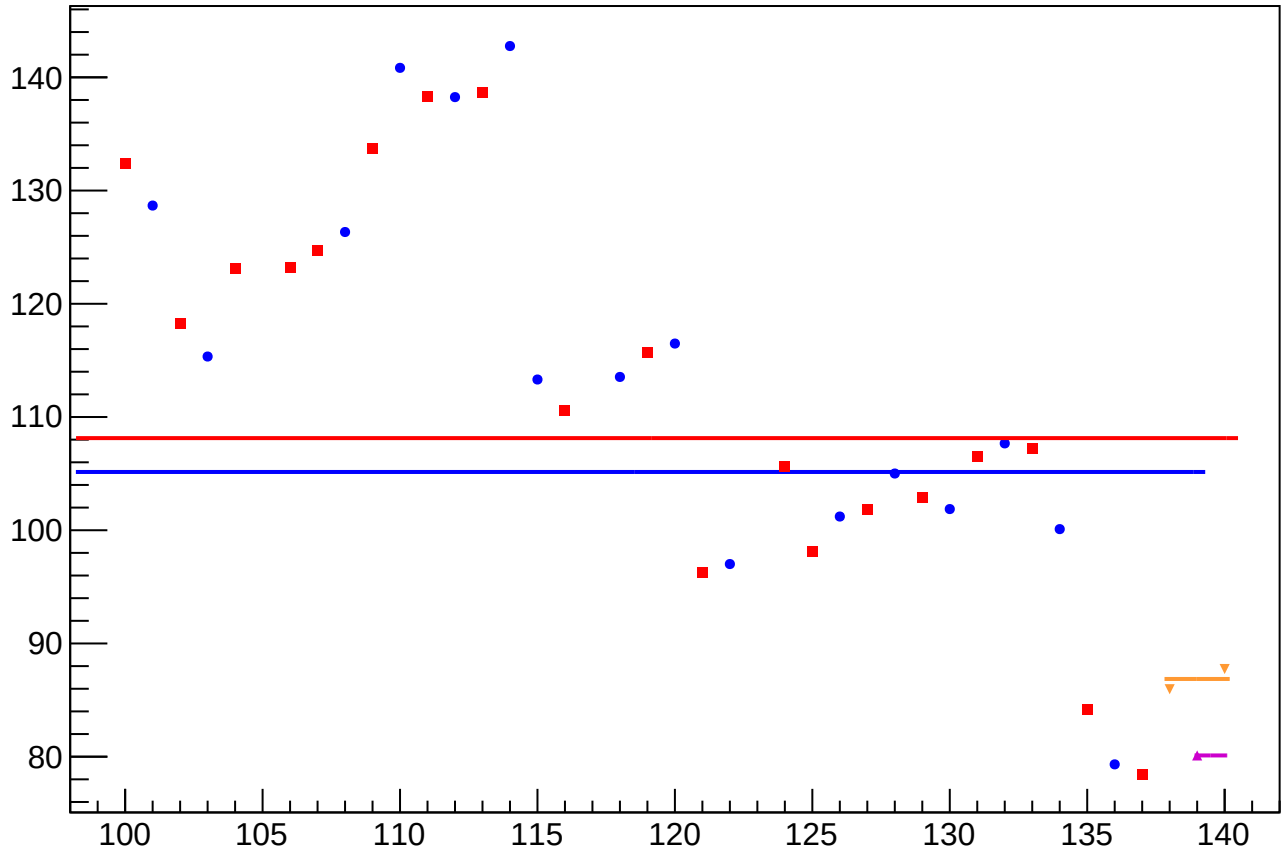
Left: -43.625+/-53.769 χ^2/NDF: 5.2/2

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 142.949+/-36.118 χ^2/NDF:8.2/16

Out: -19.194+/-34.598 χ^2/NDF:18.4/20

All: 58.395+/-24.985 χ^2/NDF: 37.1/37



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.865+/-0.048 χ^2/NDF:341.1/1

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 80.110+/-0.062 χ^2/NDF:0.0/0

Left: 84.293+/-0.038 χ^2/NDF: 7781.9/2

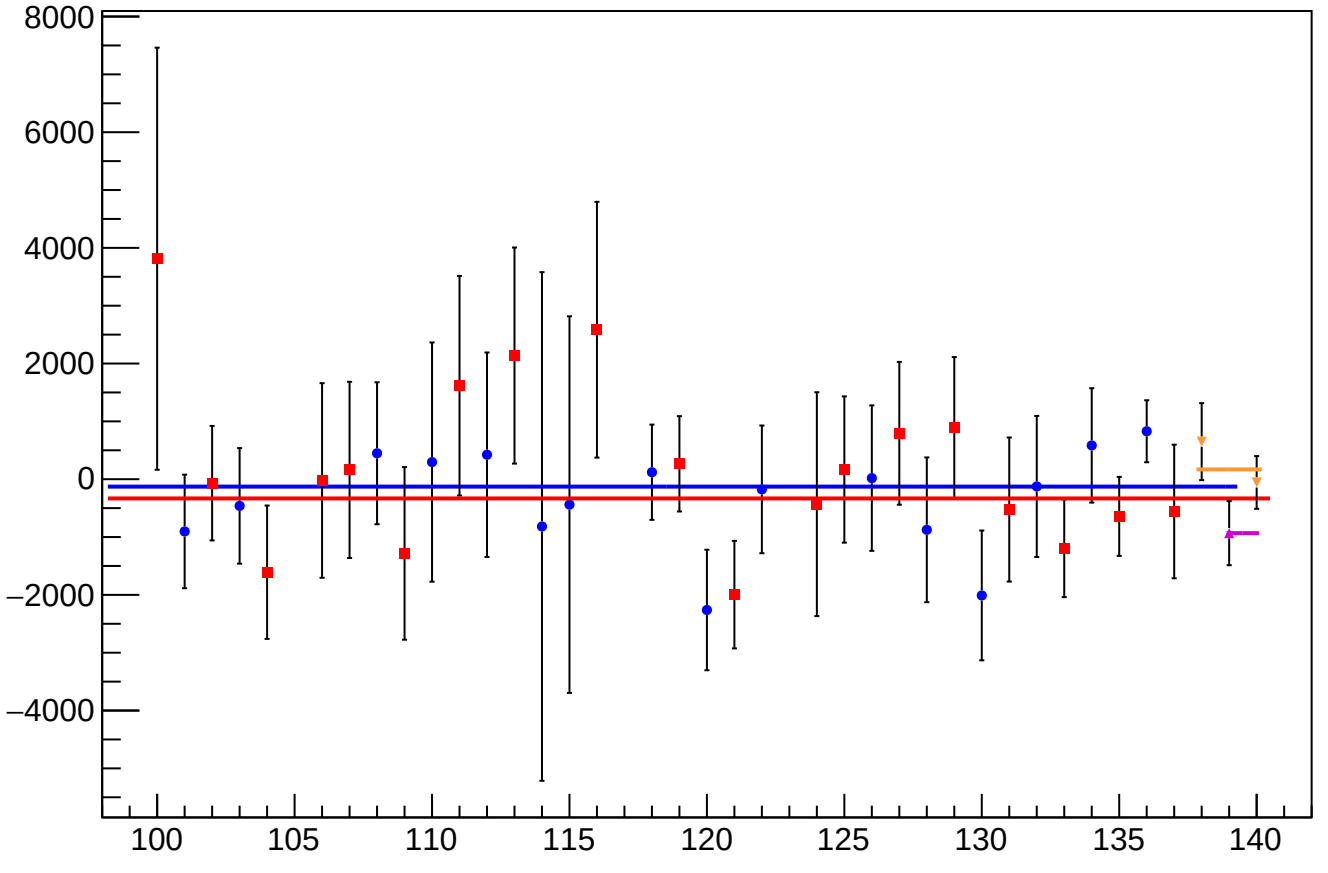
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 100.846+/-0.026 χ^2/NDF:545124.5/16

Out: 102.682+/-0.024 χ^2/NDF:490810.2/20

All: 101.803+/-0.018 χ^2/NDF: 1038630.7/37

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: 169.216+/-376.223 χ^2/NDF:0.8/1

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -932.583+/-554.427 χ^2/NDF:0.0/0

Left: -178.169+/-311.314 χ^2/NDF: 3.5/2

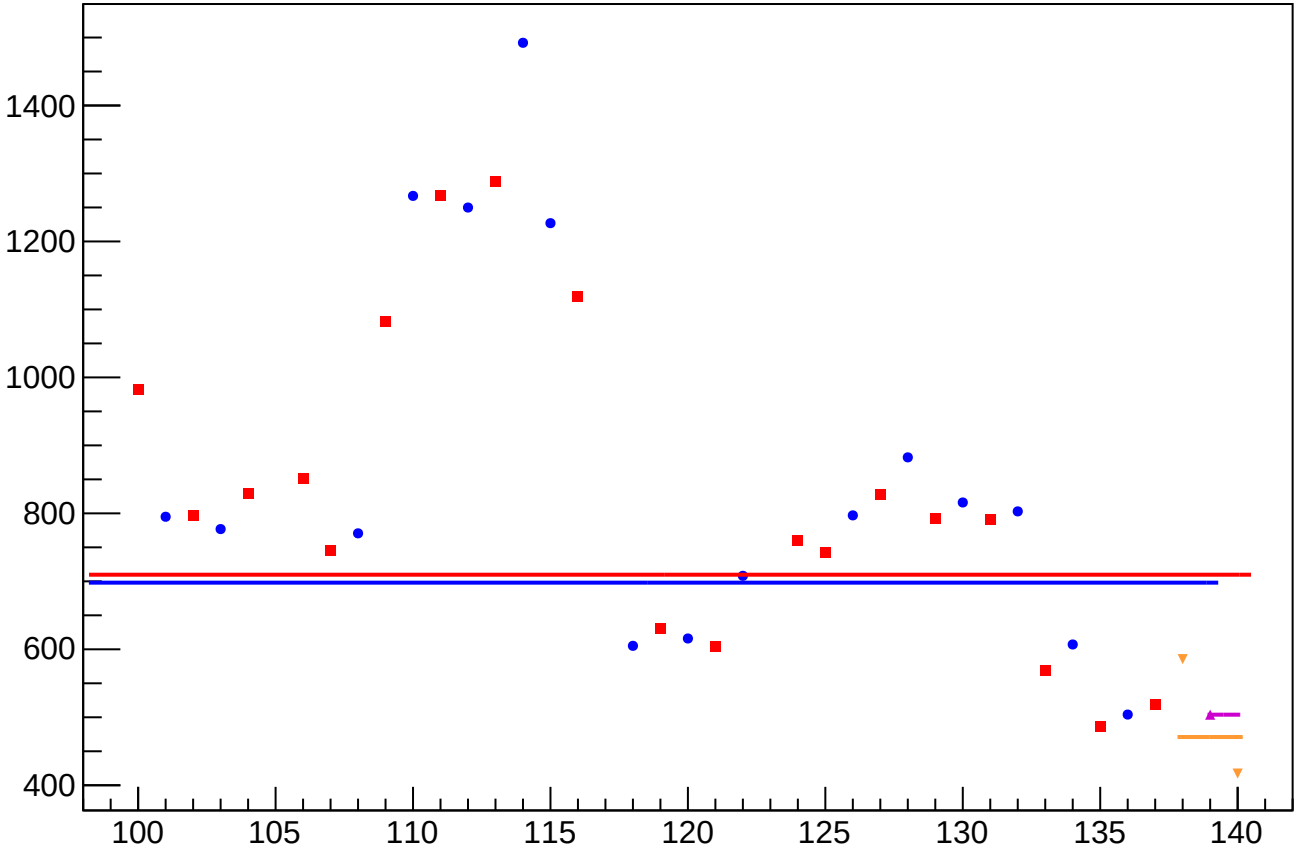
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -280.992+/-241.735 χ^2/NDF:14.0/16

Out: -161.354+/-219.805 χ^2/NDF:16.6/20

All: -215.501+/-162.627 χ^2/NDF: 30.8/37

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 470.960+/-0.266 χ^2/NDF:87035.9/1

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 503.834+/-0.392 χ^2/NDF:0.0/0

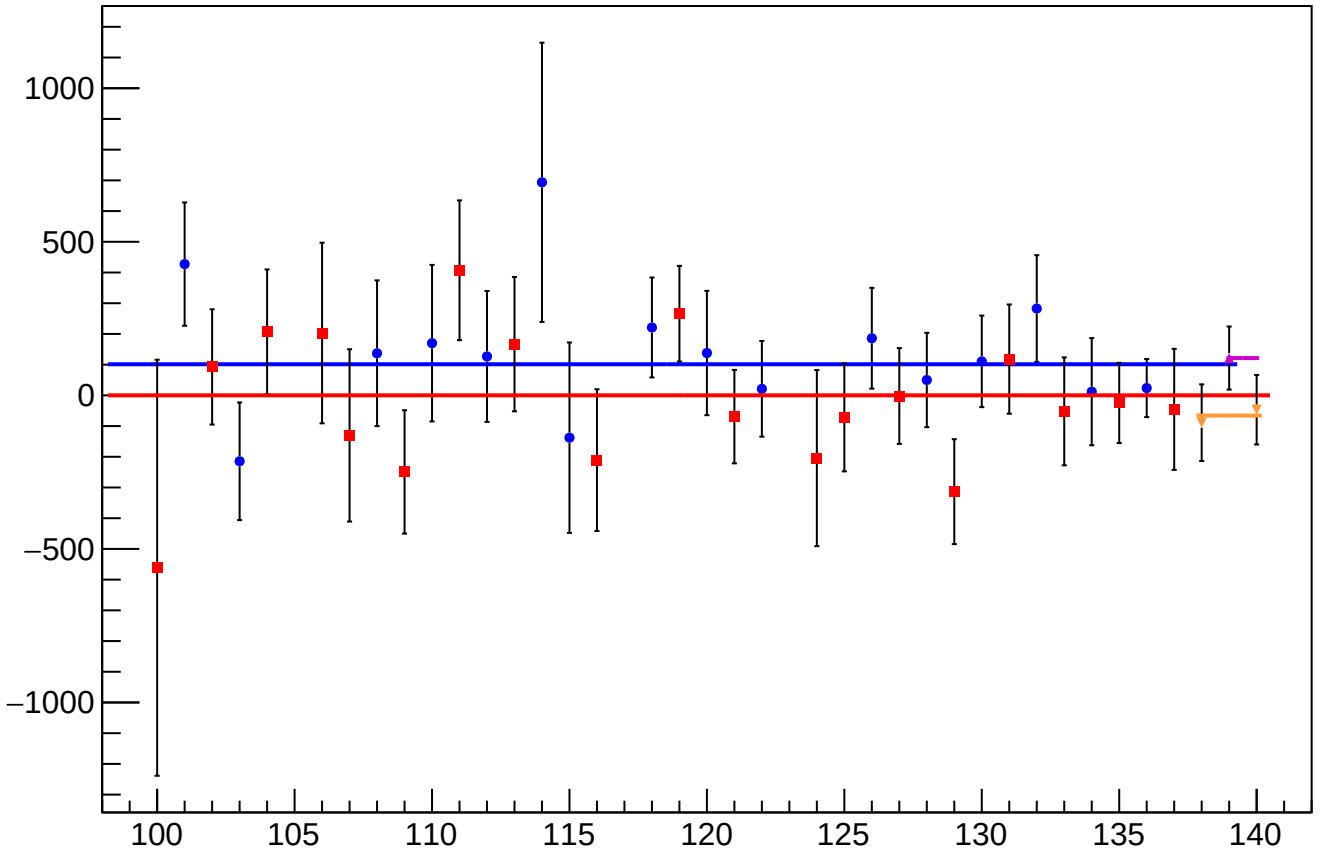
Left: 481.324+/-0.220 χ^2/NDF: 91850.4/2

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 661.133+/-0.171 χ^2/NDF:1111638.0/16

Out: 628.241+/-0.155 χ^2/NDF:1644827.1/20

All: 643.128+/-0.115 χ^2/NDF: 2776734.6/37



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -65.789+/-83.784 χ^2/NDF:0.1/1

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 121.461+/-102.729 χ^2/NDF:0.0/0

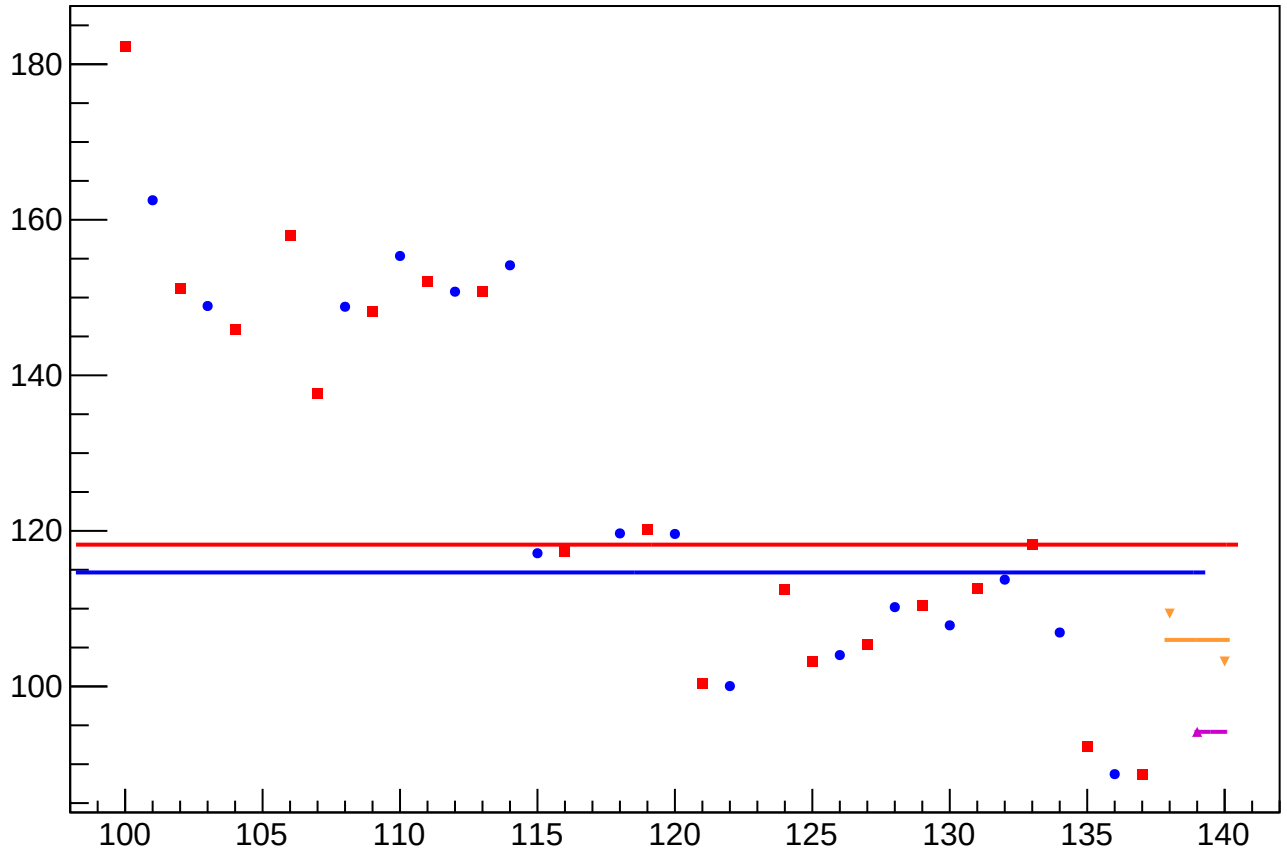
Left: 9.010+/-64.928 χ^2/NDF: 2.1/2

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 104.350+/-40.064 χ^2/NDF:11.0/16

Out: -14.142+/-38.979 χ^2/NDF:17.2/20

All: 43.478+/-27.938 χ^2/NDF: 32.7/37



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 105.980+/-0.059 χ^2/NDF:2676.7/1

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 94.163+/-0.073 χ^2/NDF:0.0/0

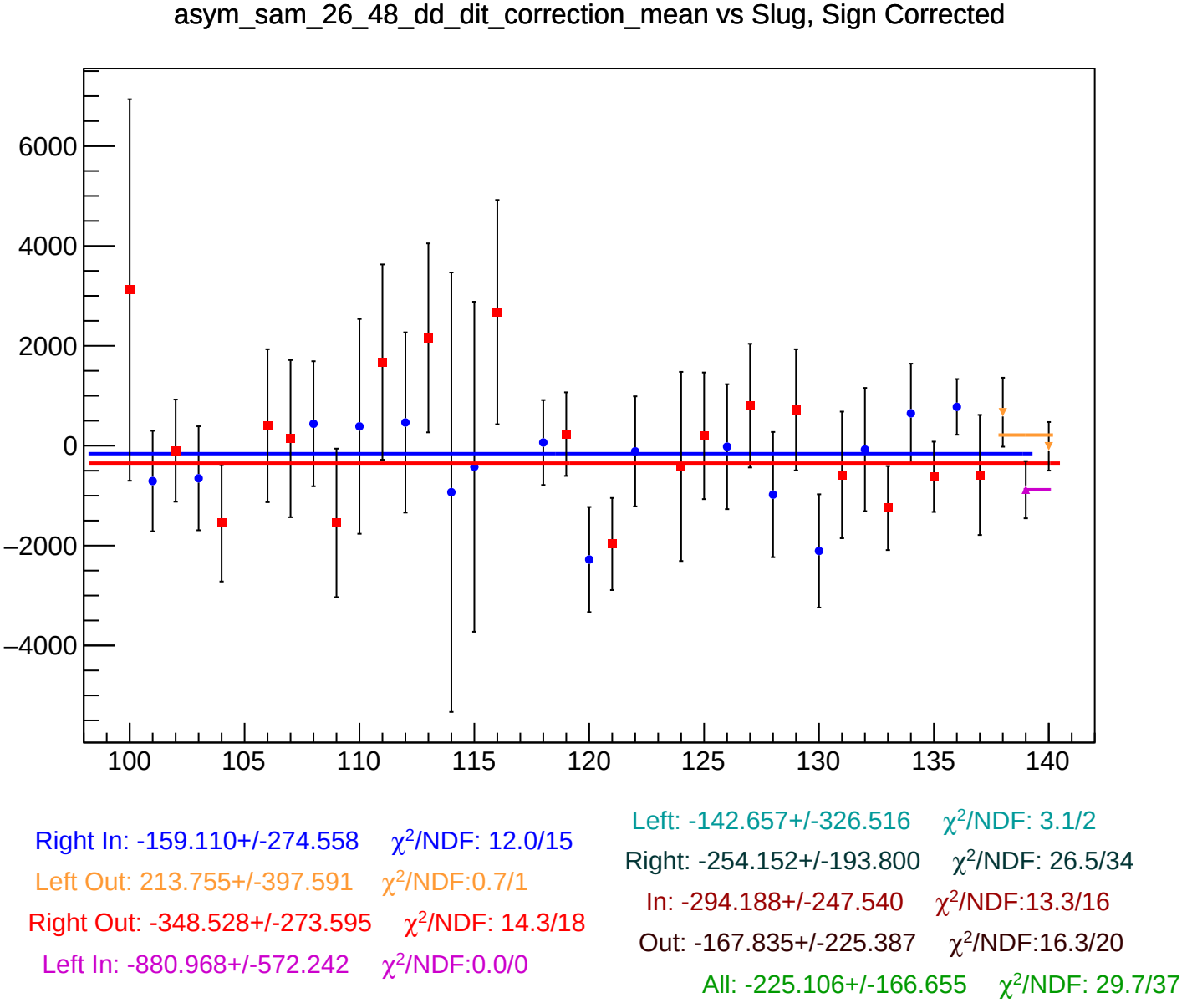
Left: 101.260+/-0.046 χ^2/NDF: 18570.2/2

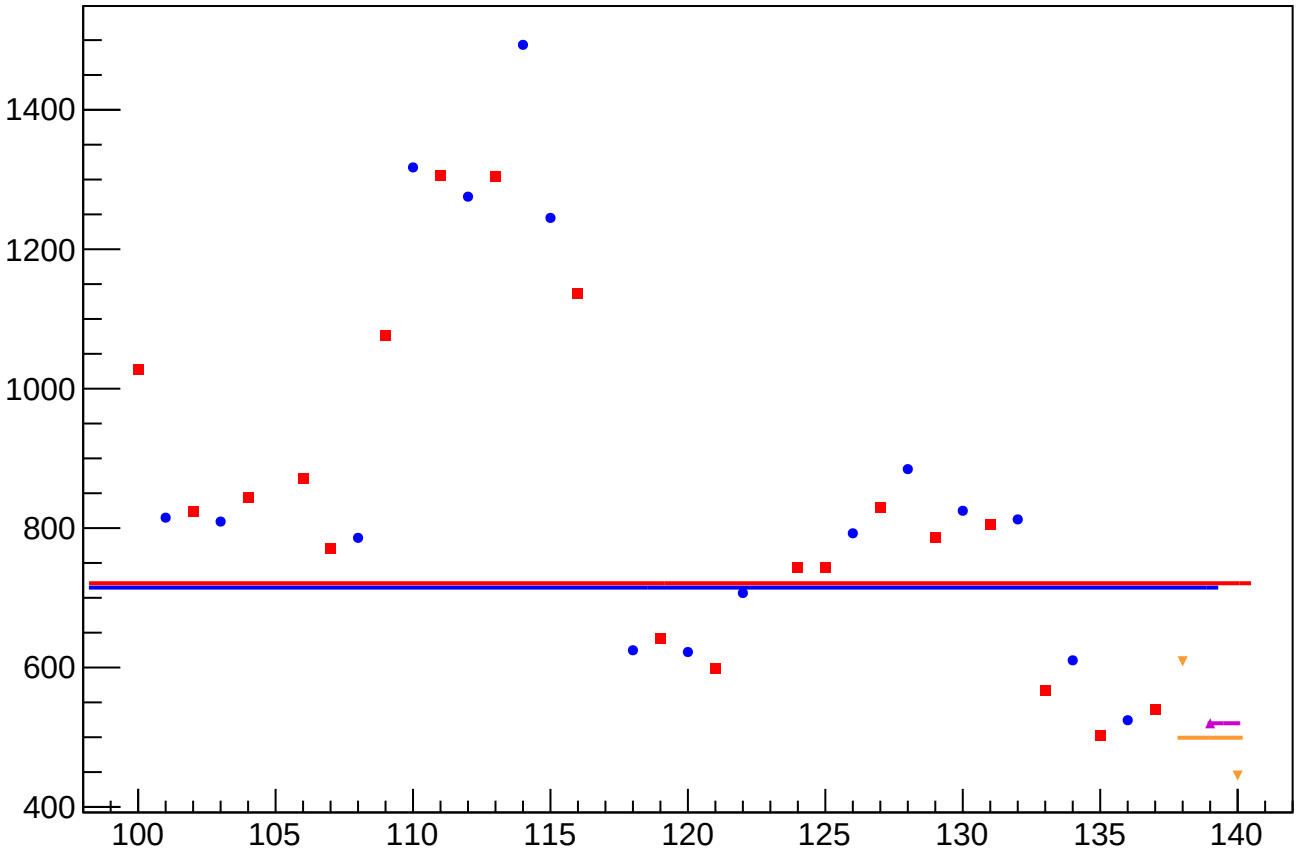
Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 111.538+/-0.028 χ^2/NDF:599451.0/16

Out: 115.579+/-0.028 χ^2/NDF:519586.2/20

All: 113.614+/-0.020 χ^2/NDF: 1129490.9/37


asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
105
110
115
120
125
130
135
140
Right In: -159.110+/-274.558 χ²/NDF: 12.0/15
Left Out: 213.755+/-397.591 χ²/NDF:0.7/1
Right Out: -348.528+/-273.595 χ²/NDF: 14.3/18
Left In: -880.968+/-572.242 χ²/NDF:0.0/0
Left: -142.657+/-326.516 χ²/NDF: 3.1/2
Right: -254.152+/-193.800 χ²/NDF: 26.5/34
In: -294.188+/-247.540 χ²/NDF:13.3/16
Out: -167.835+/-225.387 χ²/NDF:16.3/20
All: -225.106+/-166.655 χ²/NDF: 29.7/37



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 499.288+/-0.281 χ^2/NDF:75243.1/1

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 520.038+/-0.405 χ^2/NDF:0.0/0

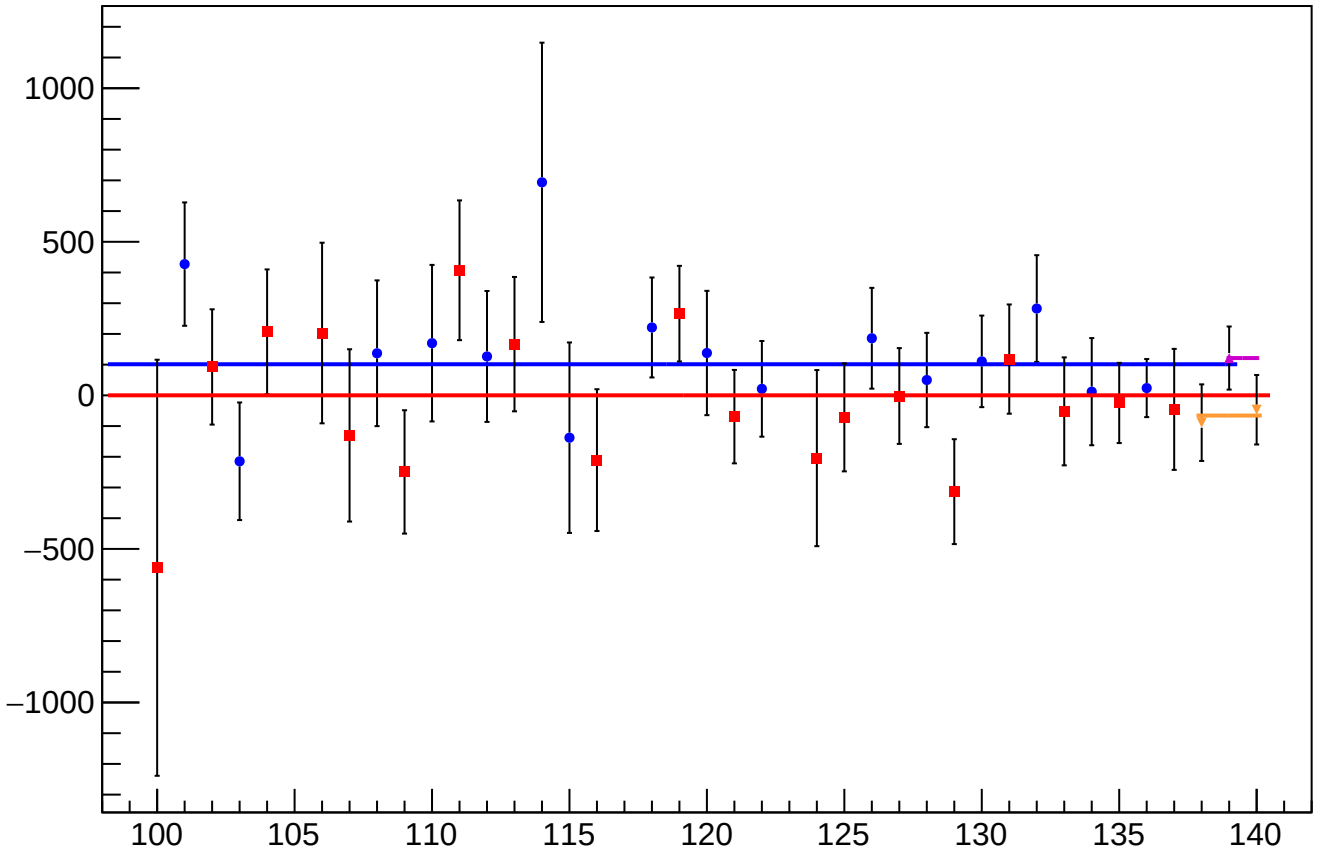
Left: 506.044+/-0.231 χ^2/NDF: 77016.6/2

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 678.247+/-0.175 χ^2/NDF:1064280.7/16

Out: 649.673+/-0.159 χ^2/NDF:1515302.0/20

All: 662.624+/-0.118 χ^2/NDF: 2594151.9/37



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -65.792+/-83.784 χ^2/NDF:0.1/1

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 121.462+/-102.729 χ^2/NDF:0.0/0

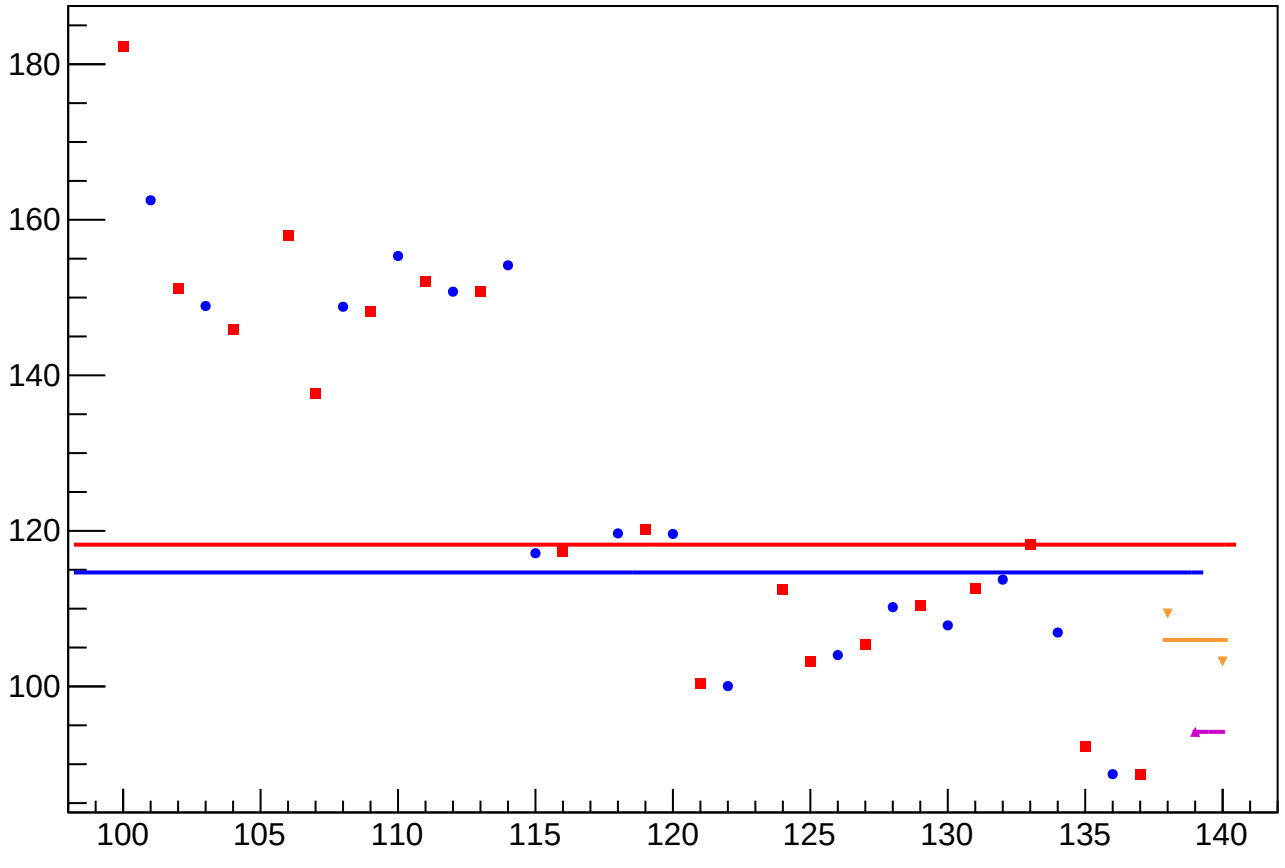
Left: 9.009+/-64.928 χ^2/NDF: 2.1/2

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 104.348+/-40.064 χ^2/NDF:11.0/16

Out: -14.143+/-38.979 χ^2/NDF:17.2/20

All: 43.476+/-27.938 χ^2/NDF: 32.7/37



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 105.980+/-0.059 χ^2/NDF:2676.7/1

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 94.163+/-0.073 χ^2/NDF:0.0/0

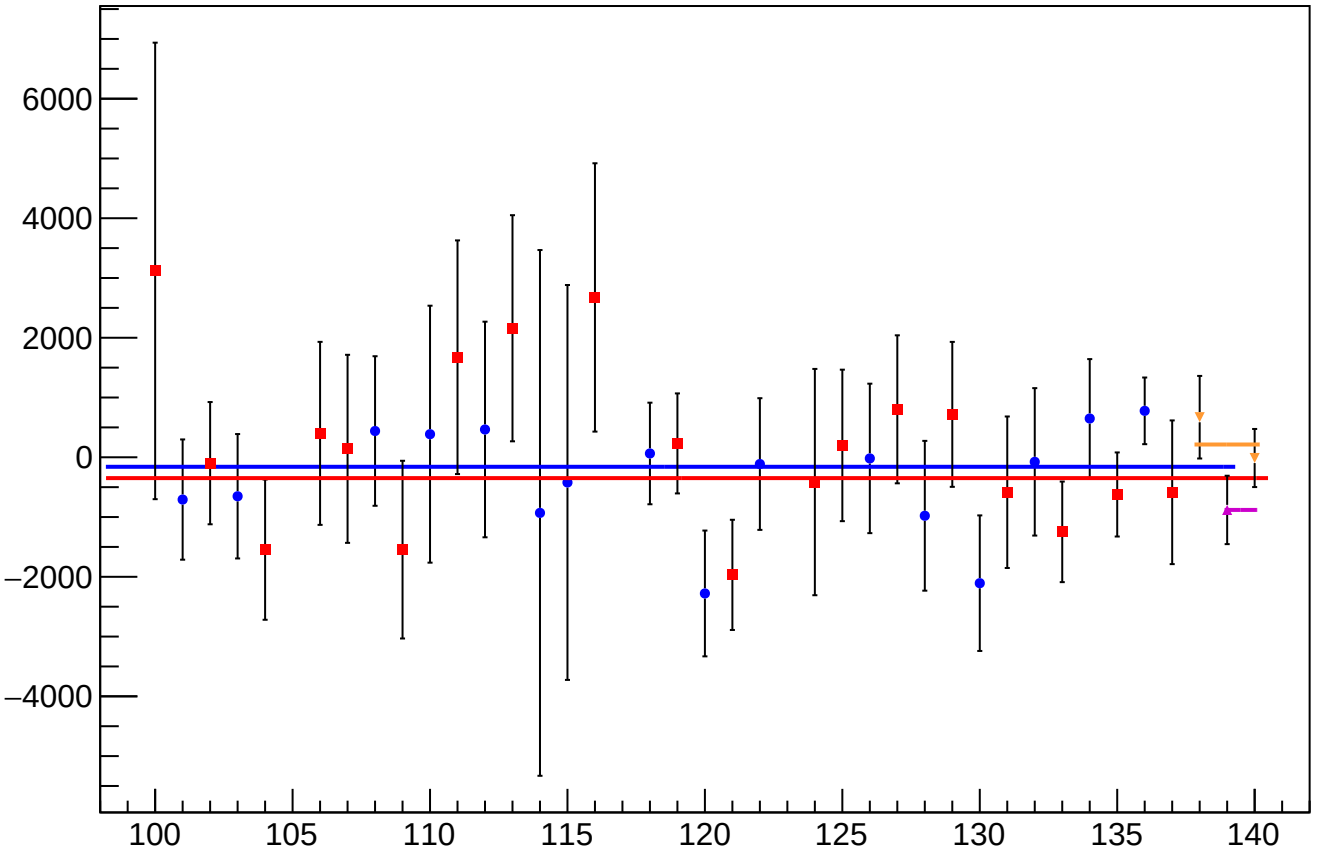
Left: 101.260+/-0.046 χ^2/NDF: 18570.4/2

Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 111.538+/-0.028 χ^2/NDF:599438.8/16

Out: 115.579+/-0.028 χ^2/NDF:519579.3/20

All: 113.614+/-0.020 χ^2/NDF: 1129471.1/37



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 213.753+/-397.591 χ^2/NDF:0.7/1

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -880.969+/-572.243 χ^2/NDF:0.0/0

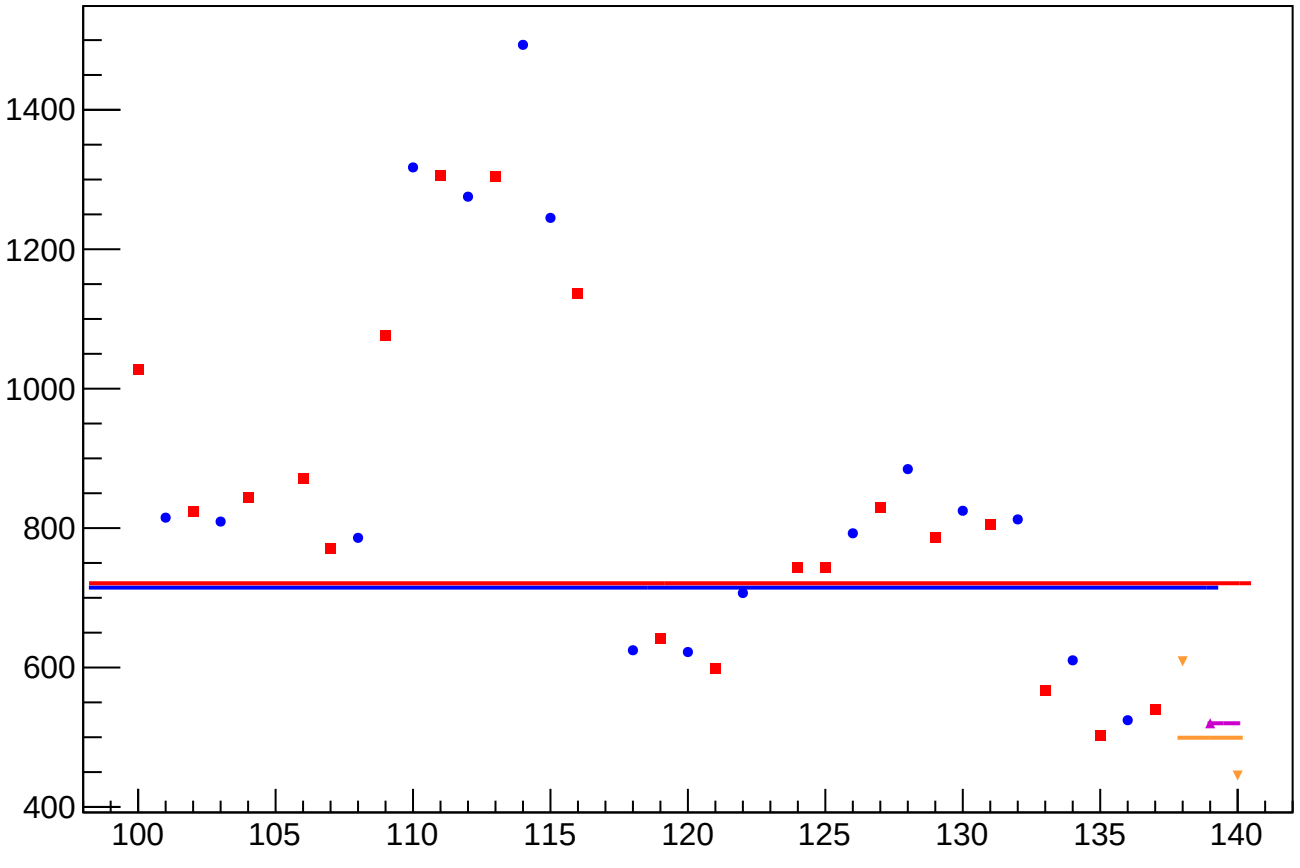
Left: -142.659+/-326.516 χ^2/NDF: 3.1/2

Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -294.189+/-247.540 χ^2/NDF:13.3/16

Out: -167.836+/-225.387 χ^2/NDF:16.3/20

All: -225.107+/-166.655 χ^2/NDF: 29.7/37



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 499.288+/-0.281 χ^2/NDF:75242.8/1

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 520.039+/-0.405 χ^2/NDF:0.0/0

Left: 506.044+/-0.231 χ^2/NDF: 77016.5/2

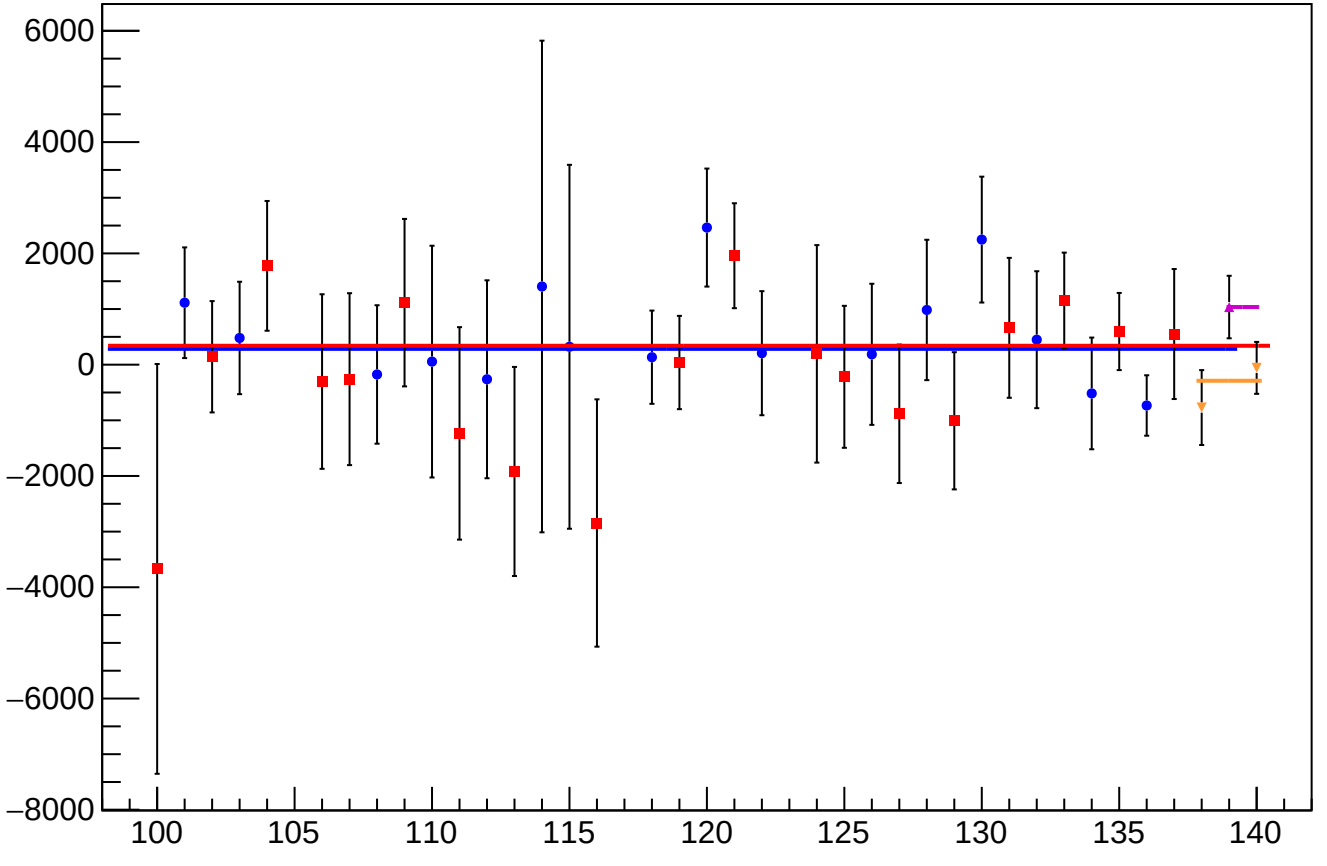
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 678.247+/-0.175 χ^2/NDF:1064273.5/16

Out: 649.673+/-0.159 χ^2/NDF:1515293.3/20

All: 662.625+/-0.118 χ^2/NDF: 2594136.3/37

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -288.851+/-383.330 χ^2/NDF:0.8/1

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 1036.000+/-561.731 χ^2/NDF:0.0/0

Left: 132.085+/-316.630 χ^2/NDF: 4.6/2

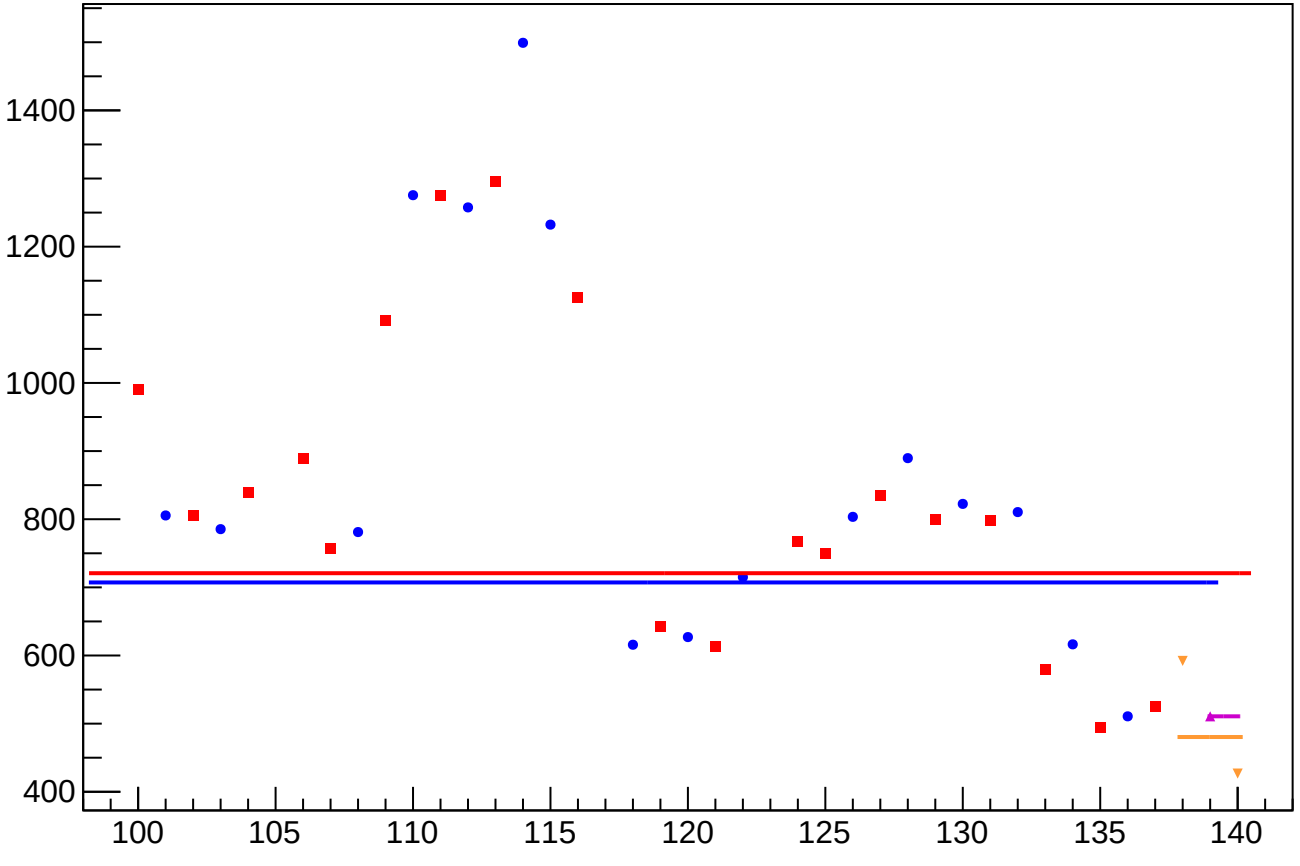
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 427.415+/-244.769 χ^2/NDF:14.2/16

Out: 127.774+/-222.695 χ^2/NDF:16.6/20

All: 263.476+/-164.722 χ^2/NDF: 31.7/37

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 480.363+/-0.271 χ^2/NDF:81548.5/1

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 510.742+/-0.397 χ^2/NDF:0.0/0

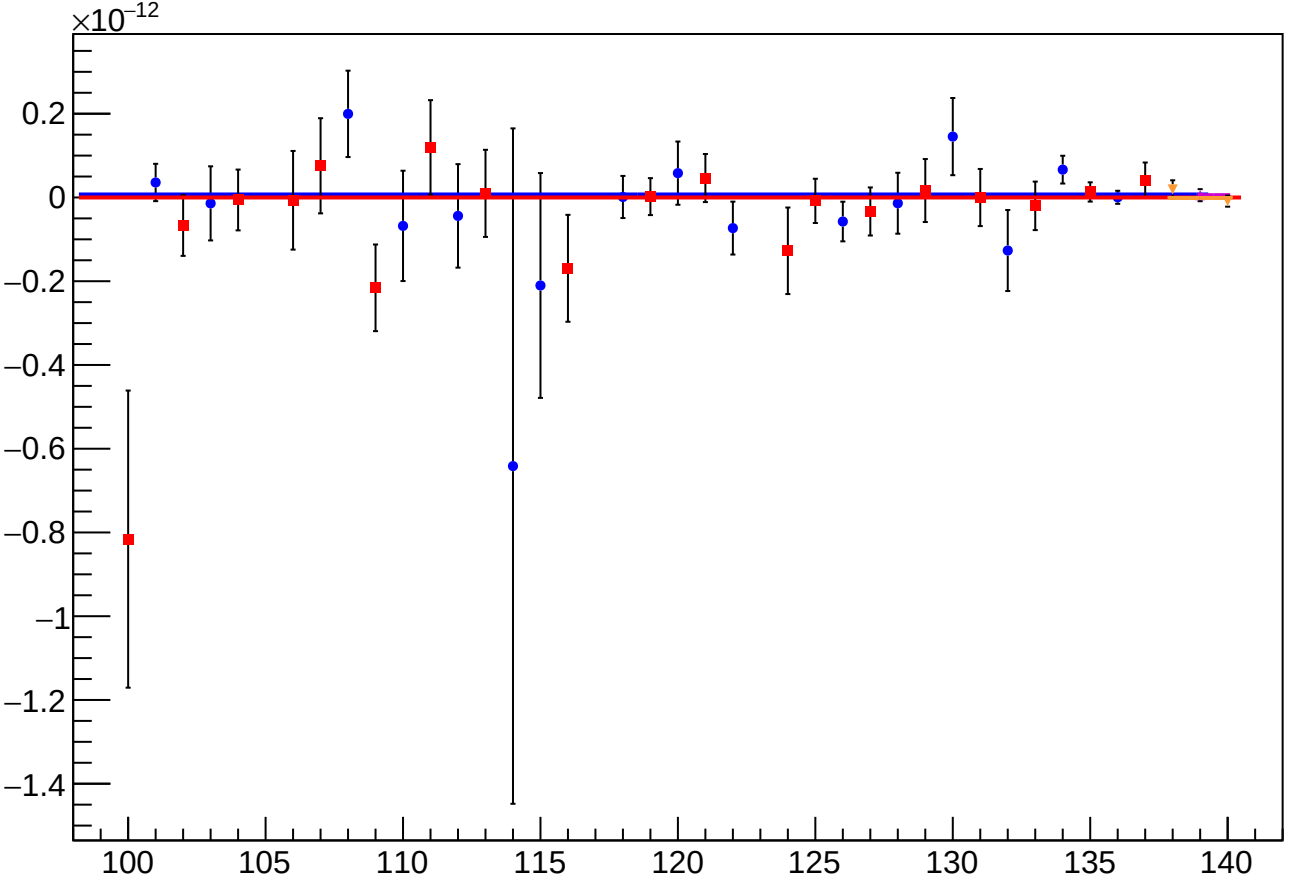
Left: 490.015+/-0.224 χ^2/NDF: 85539.5/2

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 669.906+/-0.173 χ^2/NDF:1094892.7/16

Out: 639.637+/-0.157 χ^2/NDF:1618011.8/20

All: 653.346+/-0.116 χ^2/NDF: 2729638.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

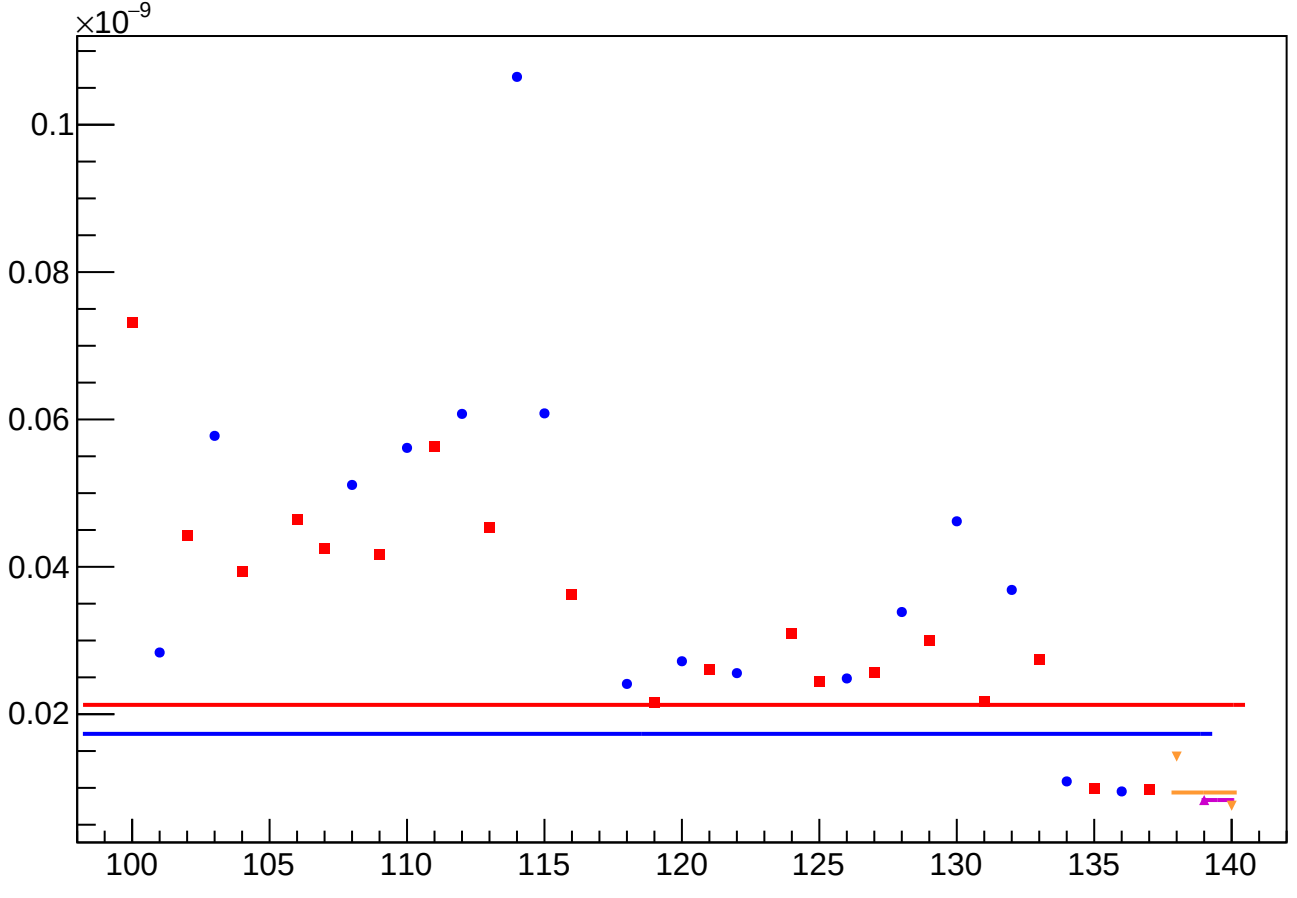
Left: 0.000+/-0.000 χ^2/NDF: 1.3/2

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:17.3/16

Out: -0.000+/-0.000 χ^2/NDF:19.0/20

All: 0.000+/-0.000 χ^2/NDF: 36.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:136032.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

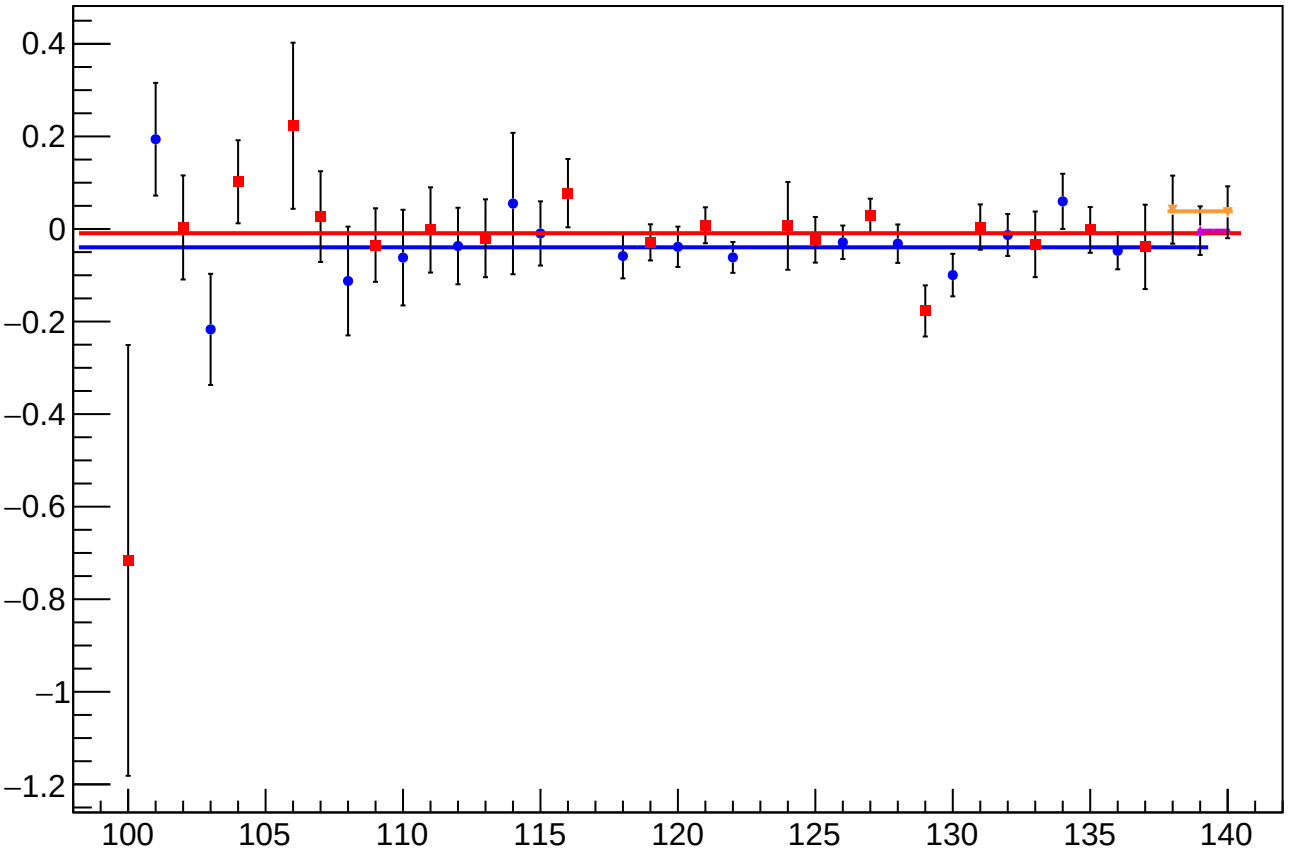
Left: 0.000+/-0.000 χ^2/NDF: 142236.0/2

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:2843322.4/16

Out: 0.000+/-0.000 χ^2/NDF:2725315.3/20

All: 0.000+/-0.000 χ^2/NDF: 5571668.7/37



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.004+/-0.053 χ^2/NDF:0.0/0

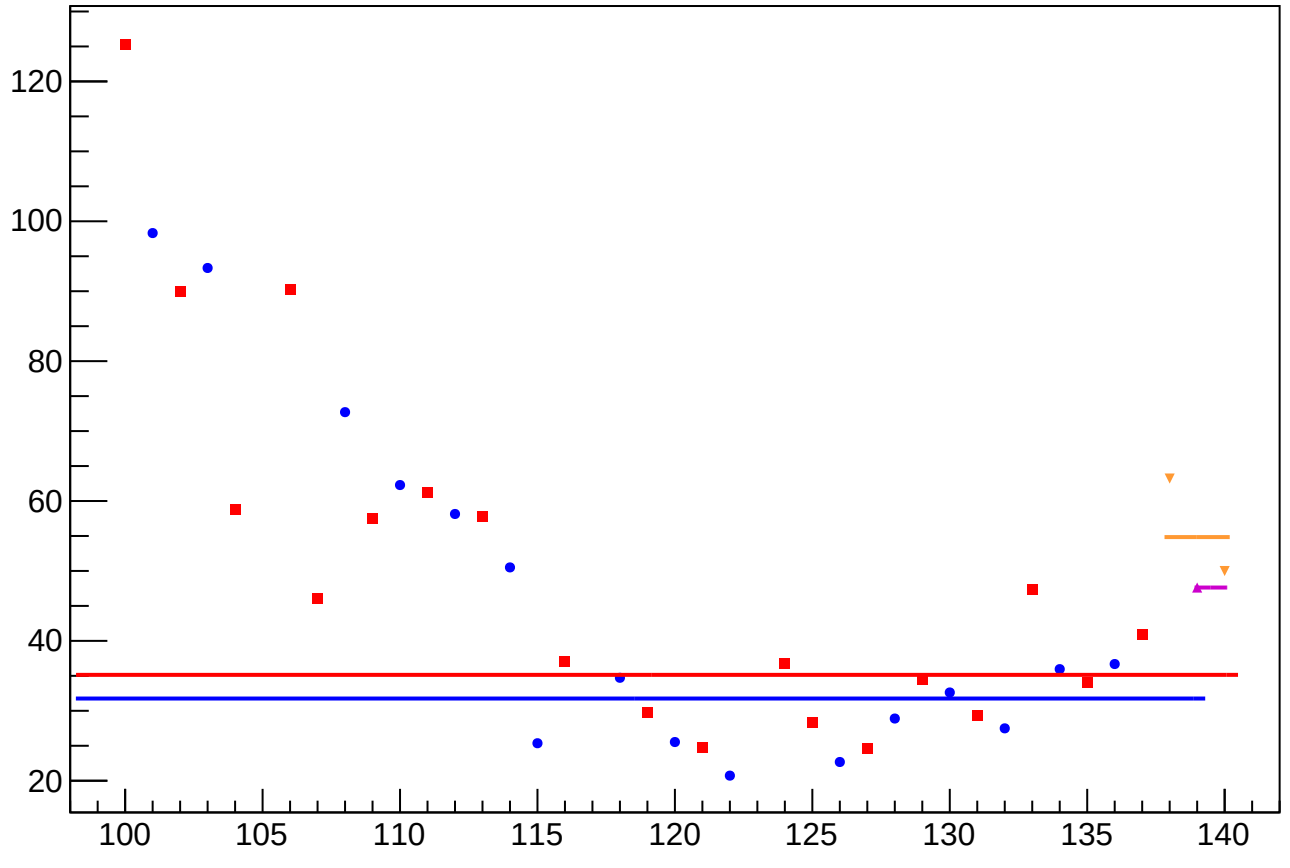
Left: 0.021+/-0.034 χ^2/NDF: 0.4/2

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.037+/-0.013 χ^2/NDF:12.9/16

Out: -0.005+/-0.014 χ^2/NDF:19.3/20

All: -0.022+/-0.009 χ^2/NDF: 35.3/37



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 54.842+/-0.032 χ^2/NDF:40886.3/1

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 47.626+/-0.037 χ^2/NDF:0.0/0

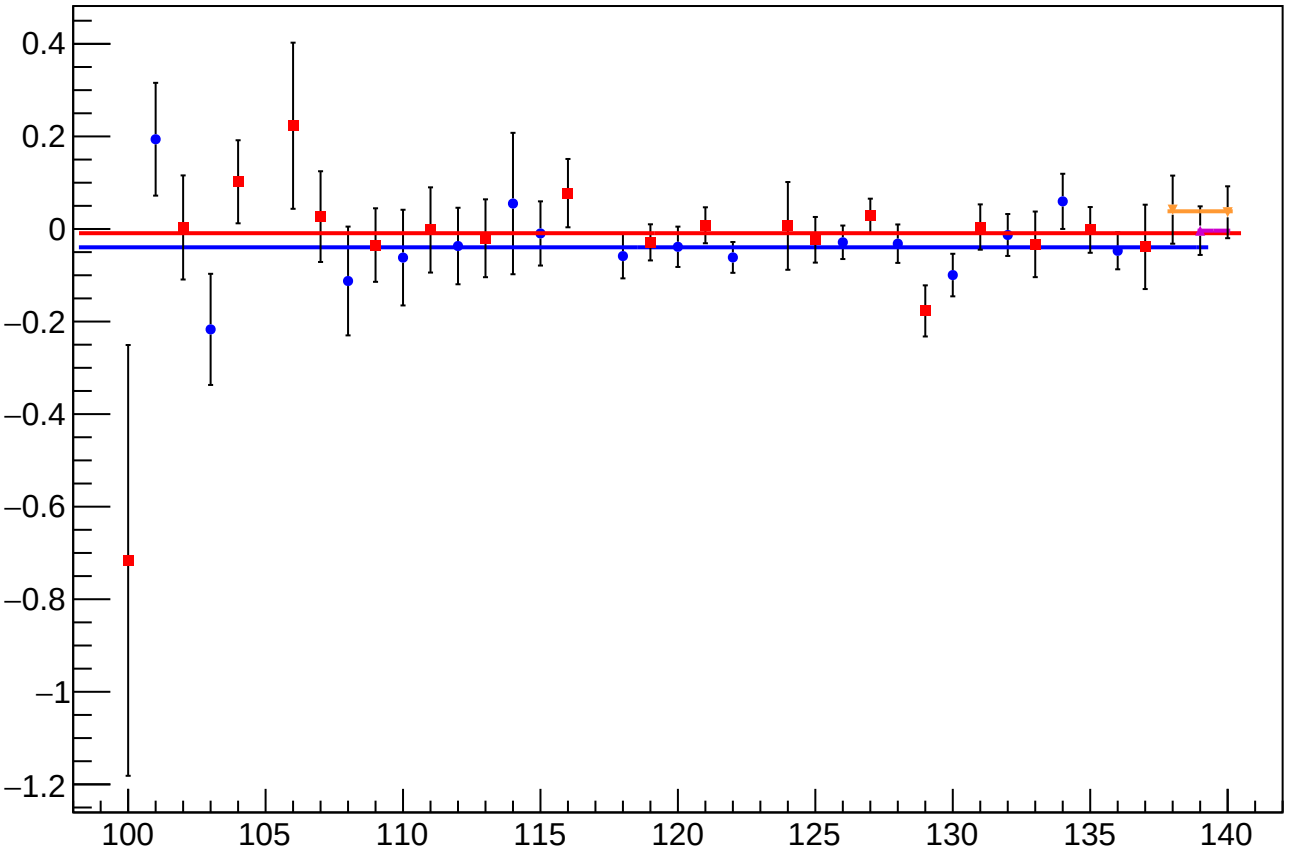
Left: 51.819+/-0.024 χ^2/NDF: 62825.3/2

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 32.694+/-0.009 χ^2/NDF:2424273.3/16

Out: 36.946+/-0.010 χ^2/NDF:2240247.9/20

All: 34.701+/-0.007 χ^2/NDF: 4769267.7/37



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.004+/-0.053 χ^2/NDF:0.0/0

Left: 0.021+/-0.034 χ^2/NDF: 0.4/2

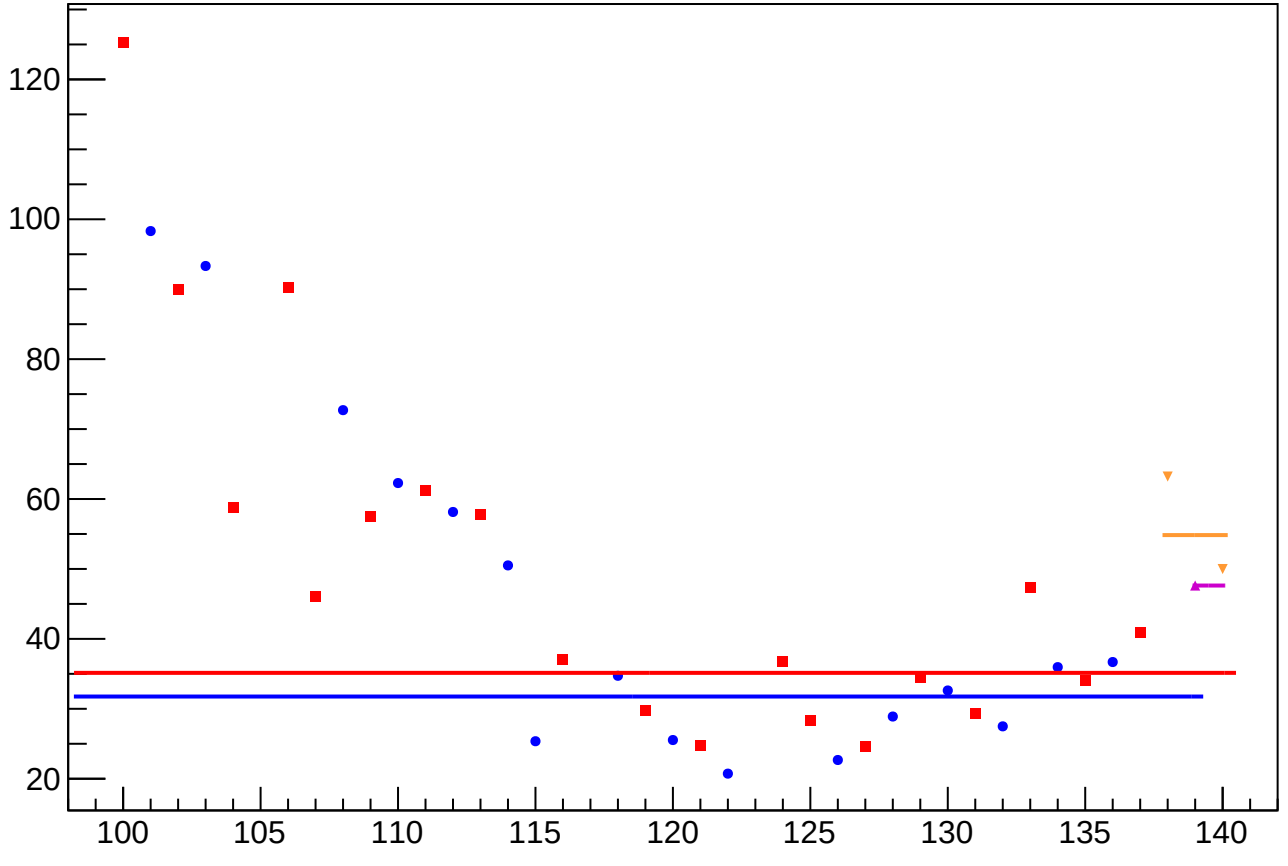
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.037+/-0.013 χ^2/NDF:12.9/16

Out: -0.005+/-0.014 χ^2/NDF:19.3/20

All: -0.022+/-0.009 χ^2/NDF: 35.3/37

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 54.842+/-0.032 χ^2/NDF:40886.3/1

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 47.626+/-0.037 χ^2/NDF:0.0/0

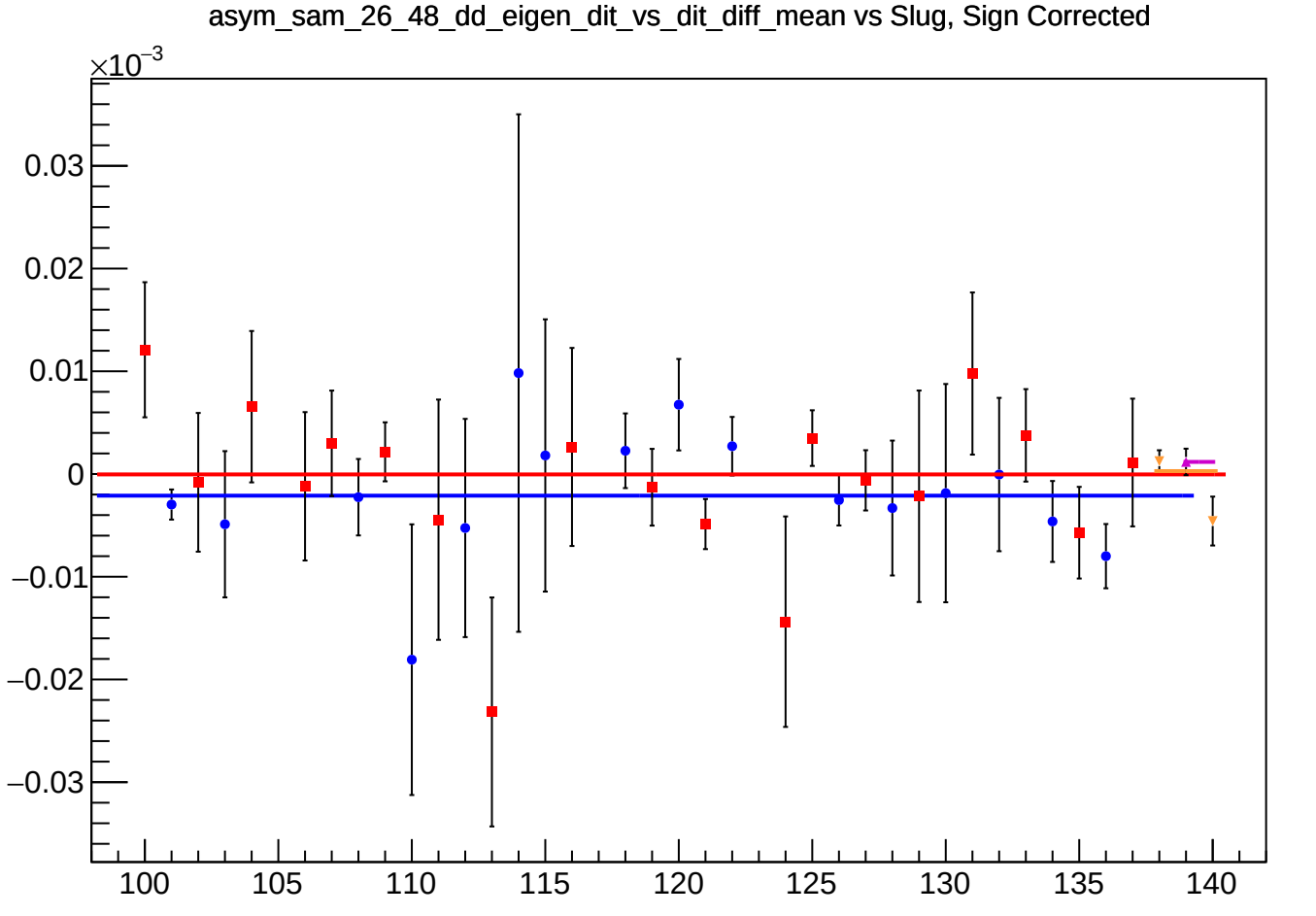
Left: 51.819+/-0.024 χ^2/NDF: 62825.3/2

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 32.694+/-0.009 χ^2/NDF:2424273.3/16

Out: 36.946+/-0.010 χ^2/NDF:2240247.9/20

All: 34.701+/-0.007 χ^2/NDF: 4769267.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

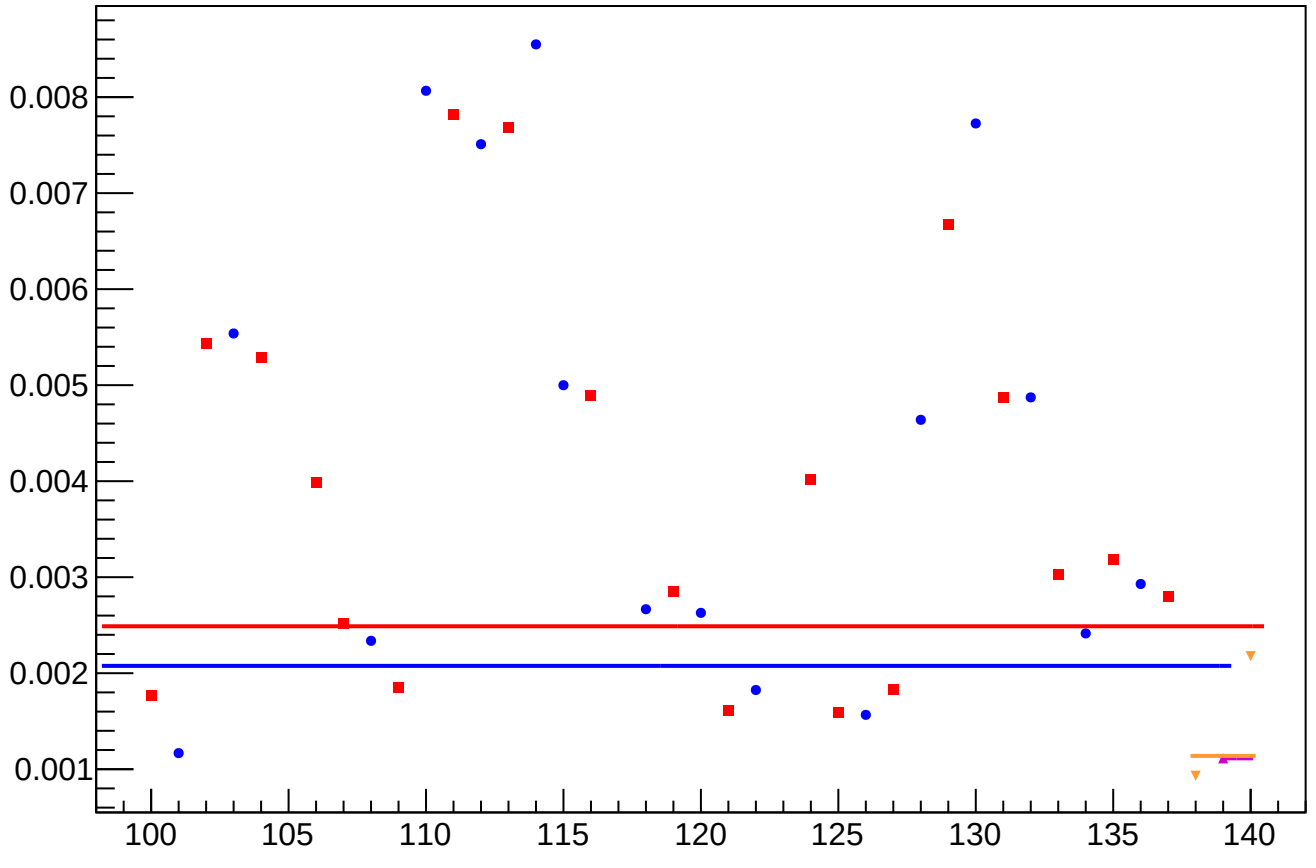
Left: 0.000+/-0.000 χ^2/NDF: 5.3/2

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:19.1/16

Out: 0.000+/-0.000 χ^2/NDF:26.5/20

All: -0.000+/-0.000 χ^2/NDF: 46.8/37



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:456802.9/1

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:0.0/0

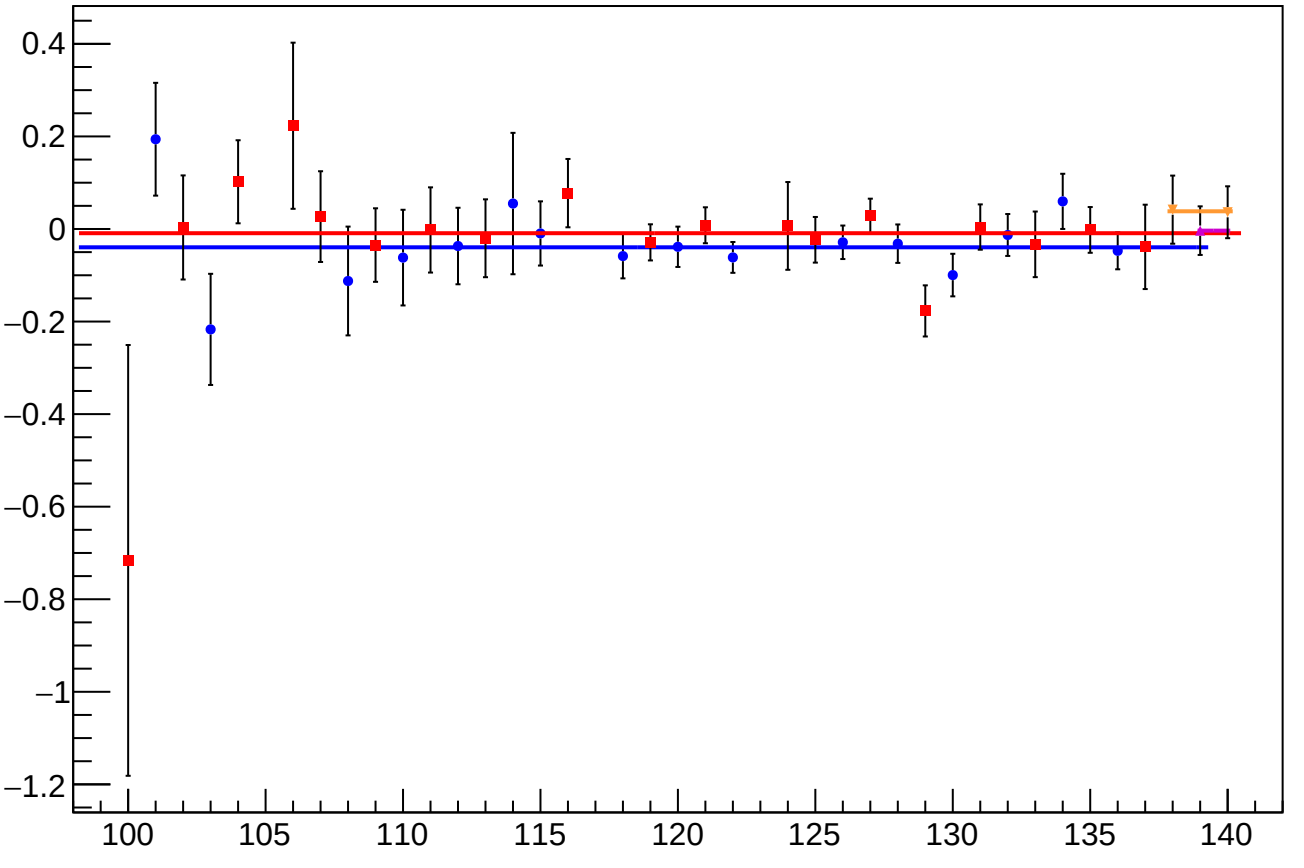
Left: 0.001+/-0.000 χ^2/NDF: 457316.9/2

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.002+/-0.000 χ^2/NDF:4663212.9/16

Out: 0.002+/-0.000 χ^2/NDF:5348162.6/20

All: 0.002+/-0.000 χ^2/NDF: 10011536.6/37



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.004+/-0.053 χ^2/NDF:0.0/0

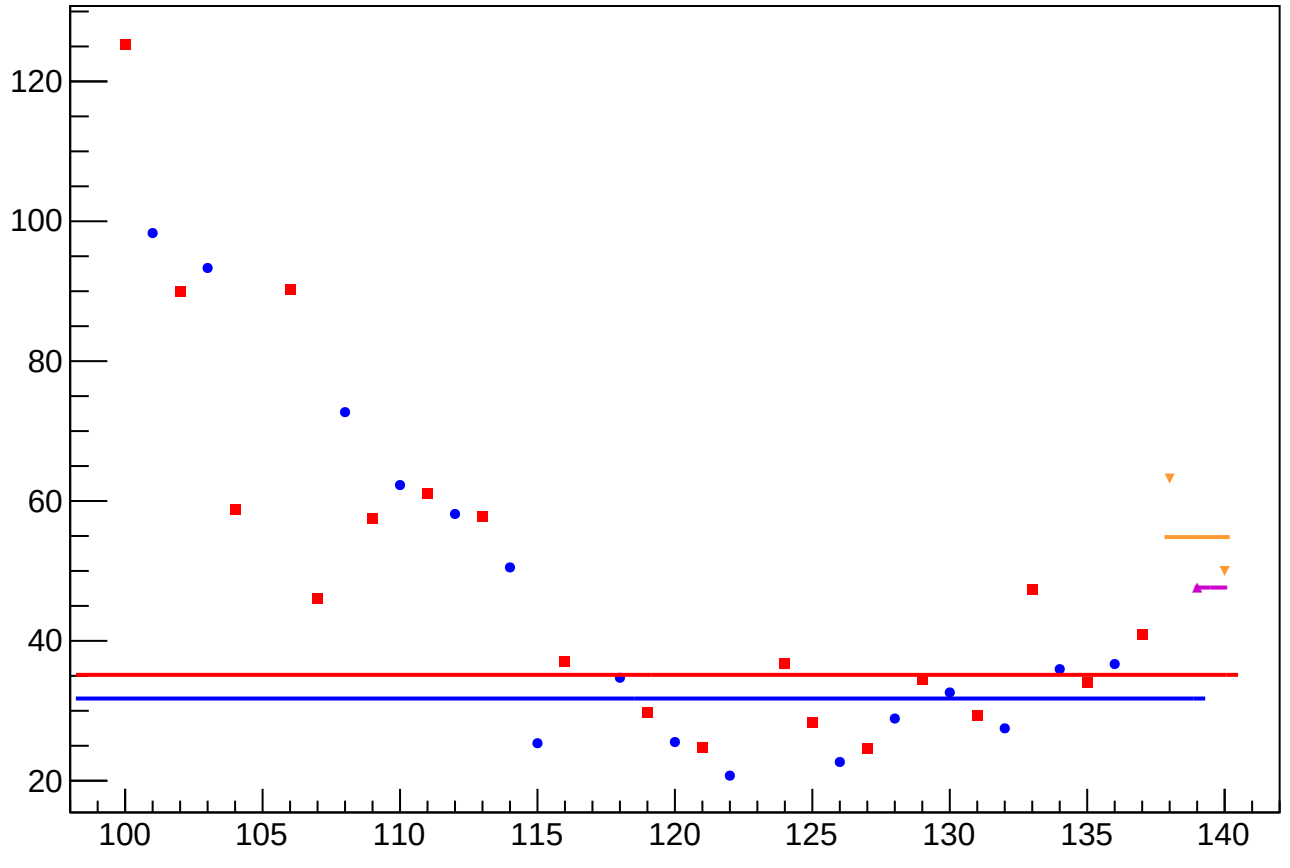
Left: 0.021+/-0.034 χ^2/NDF: 0.4/2

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.037+/-0.013 χ^2/NDF:12.9/16

Out: -0.005+/-0.014 χ^2/NDF:19.3/20

All: -0.022+/-0.009 χ^2/NDF: 35.3/37



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 54.842+/-0.032 χ^2/NDF:40885.8/1

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 47.626+/-0.037 χ^2/NDF:0.0/0

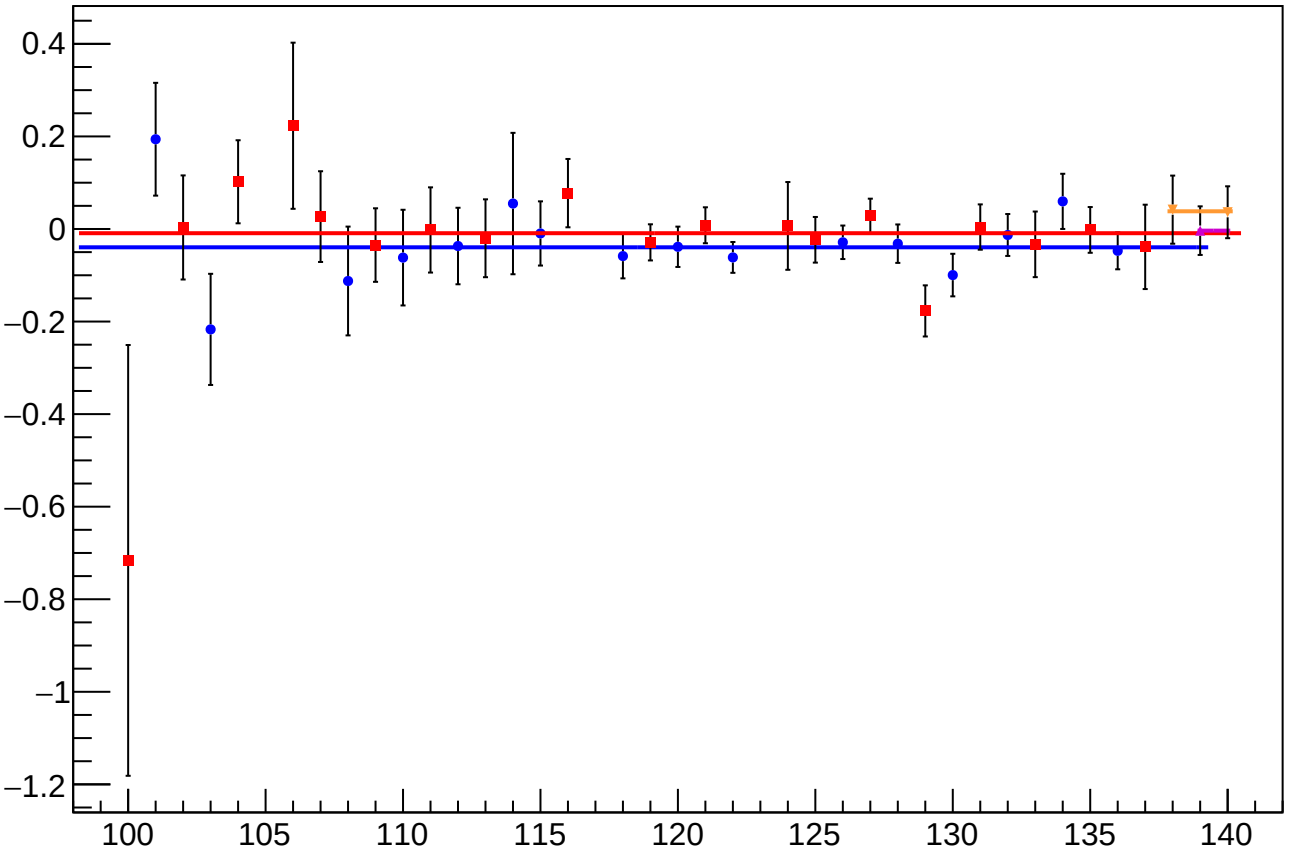
Left: 51.819+/-0.024 χ^2/NDF: 62825.7/2

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 32.694+/-0.009 χ^2/NDF:2424239.2/16

Out: 36.947+/-0.010 χ^2/NDF:2240129.6/20

All: 34.701+/-0.007 χ^2/NDF: 4769118.7/37



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.004+/-0.053 χ^2/NDF:0.0/0

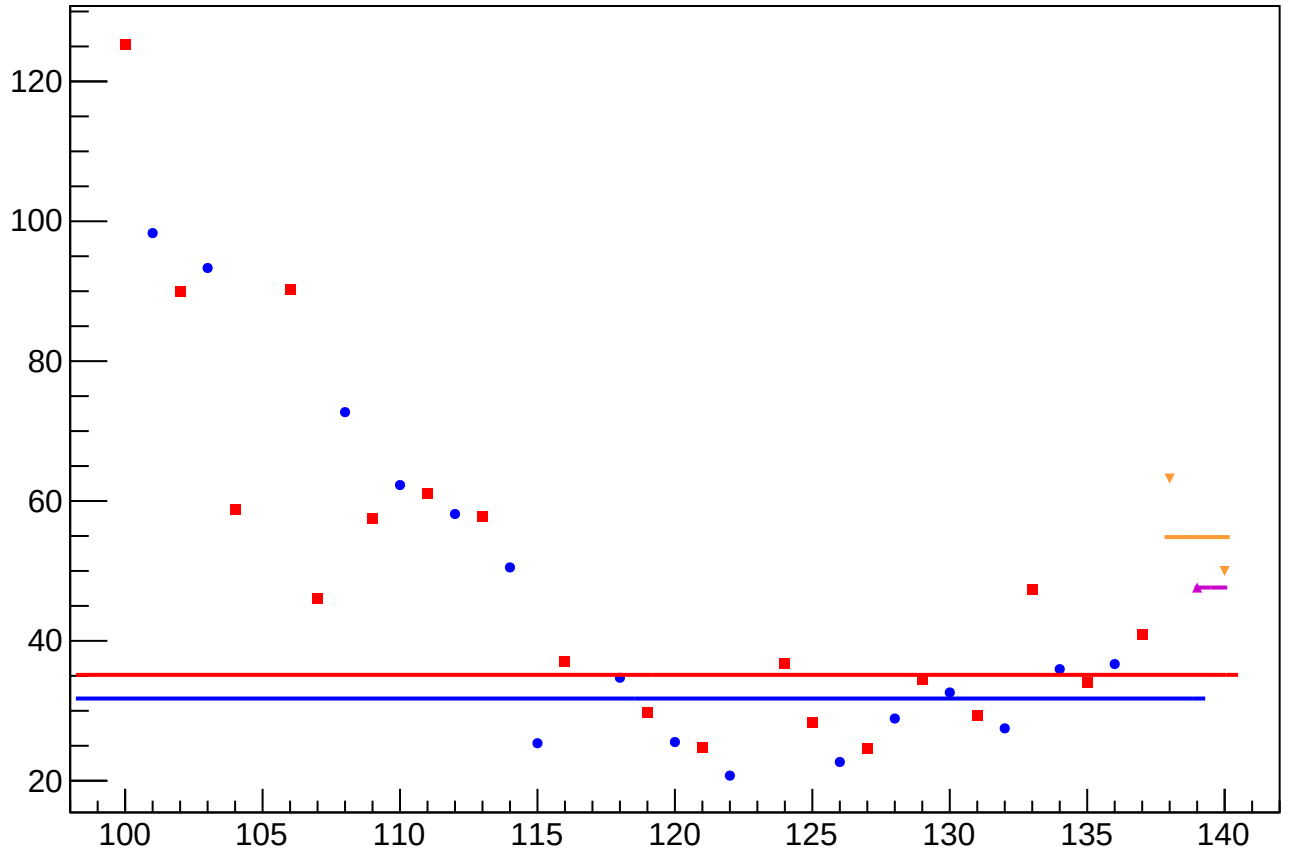
Left: 0.021+/-0.034 χ^2/NDF: 0.4/2

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.037+/-0.013 χ^2/NDF:12.9/16

Out: -0.005+/-0.014 χ^2/NDF:19.3/20

All: -0.022+/-0.009 χ^2/NDF: 35.3/37



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 54.842+/-0.032 χ^2/NDF:40885.8/1

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 47.626+/-0.037 χ^2/NDF:0.0/0

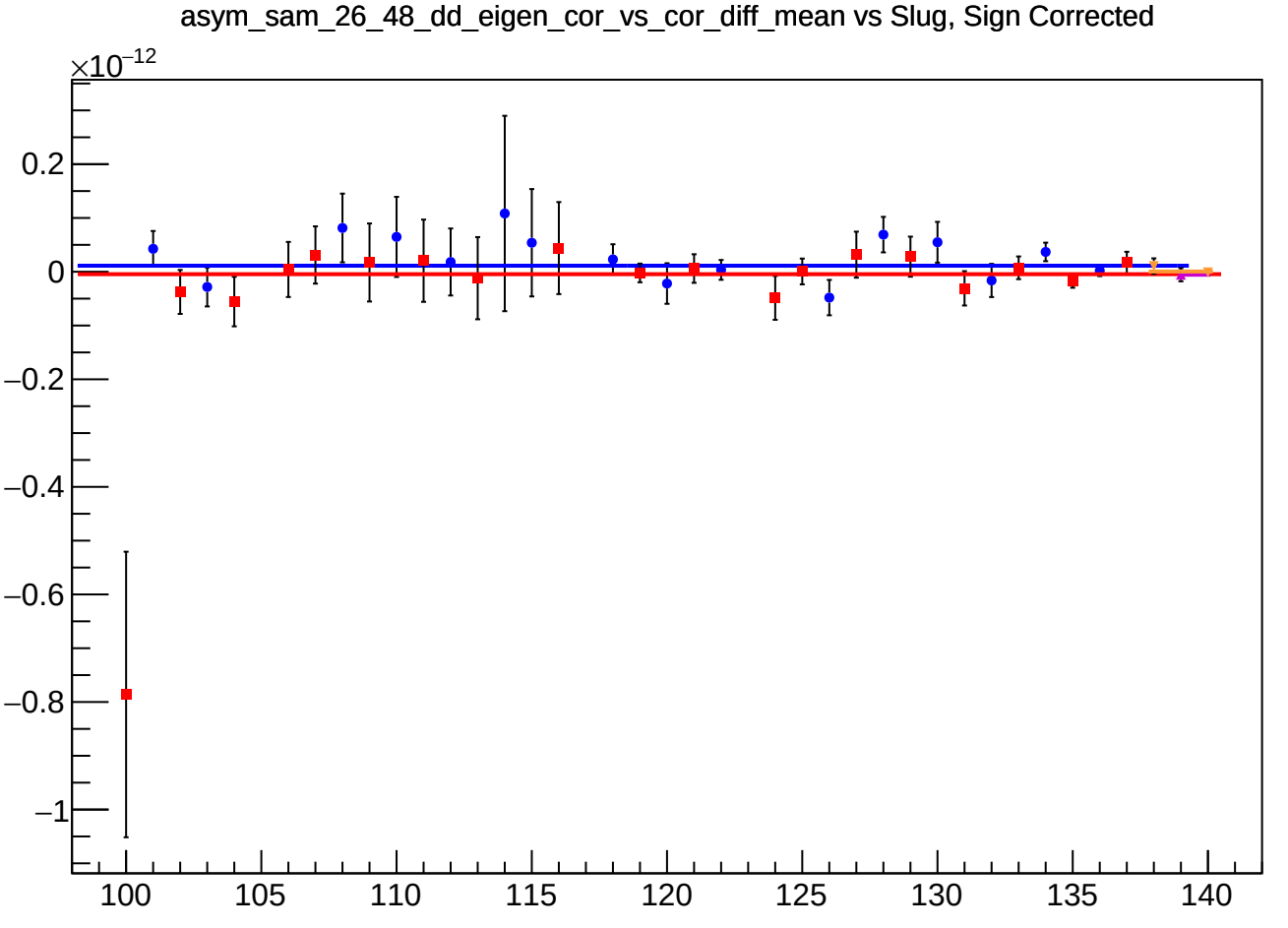
Left: 51.819+/-0.024 χ^2/NDF: 62825.7/2

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 32.694+/-0.009 χ^2/NDF:2424239.2/16

Out: 36.947+/-0.010 χ^2/NDF:2240129.6/20

All: 34.701+/-0.007 χ^2/NDF: 4769118.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

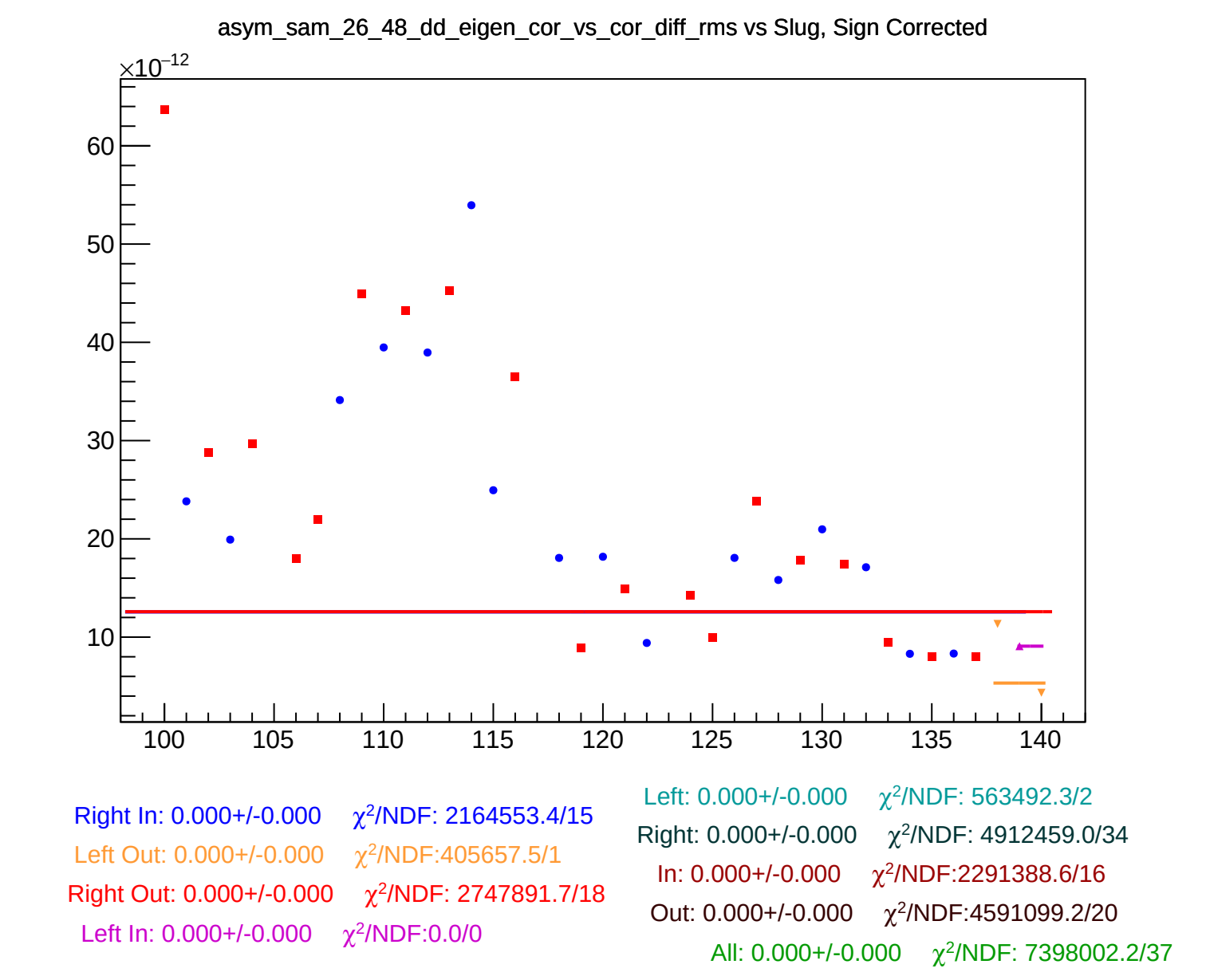
Left: -0.000+/-0.000 χ^2/NDF: 0.8/2

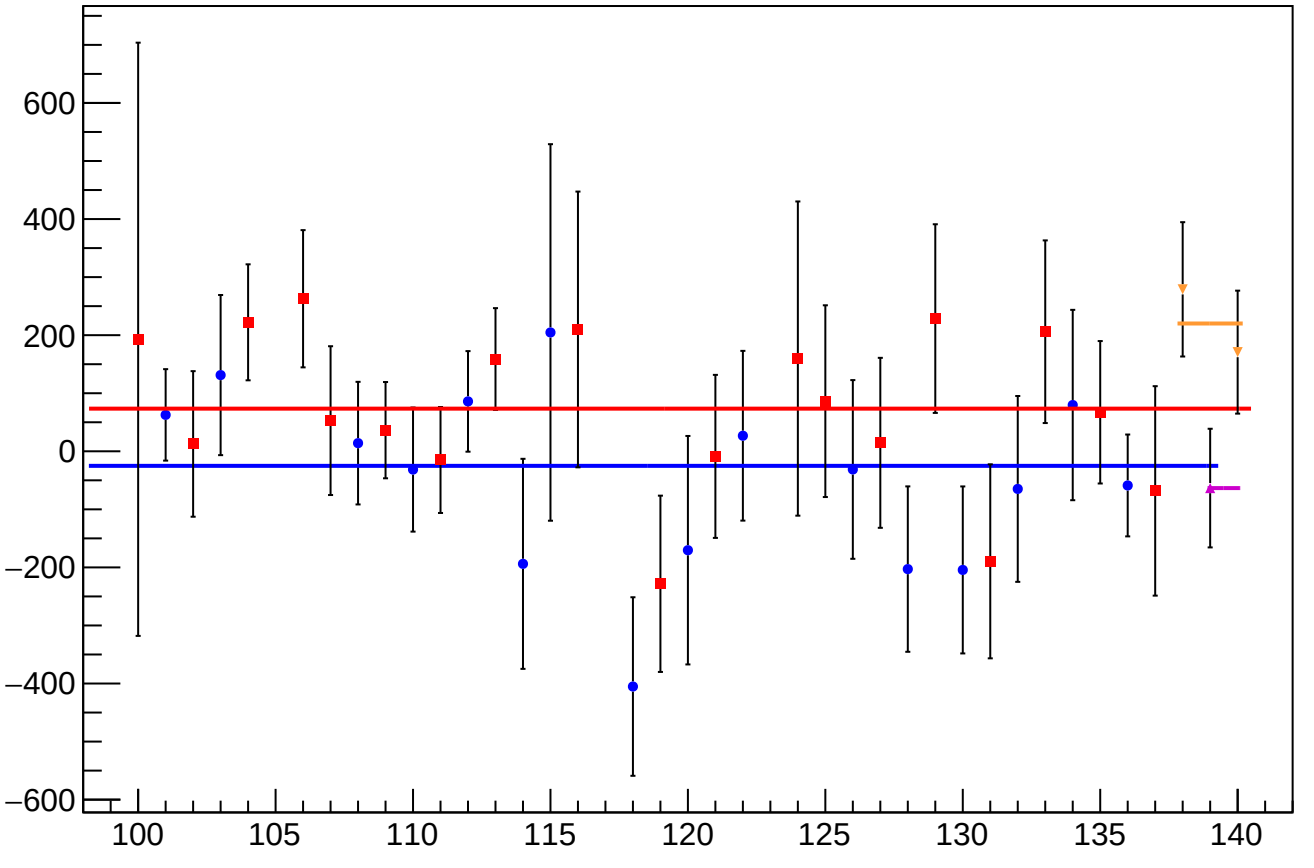
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:18.3/16

Out: -0.000+/-0.000 χ^2/NDF:18.4/20

All: 0.000+/-0.000 χ^2/NDF: 38.4/37


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:405657.5/1
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 563492.3/2
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:2291388.6/16
Out: 0.000+/-0.000 χ²/NDF:4591099.2/20
All: 0.000+/-0.000 χ²/NDF: 7398002.2/37



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 220.103+/-78.116 χ^2/NDF:0.5/1

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: -63.381+/-102.184 χ^2/NDF:0.0/0

Left: 115.539+/-62.059 χ^2/NDF: 5.3/2

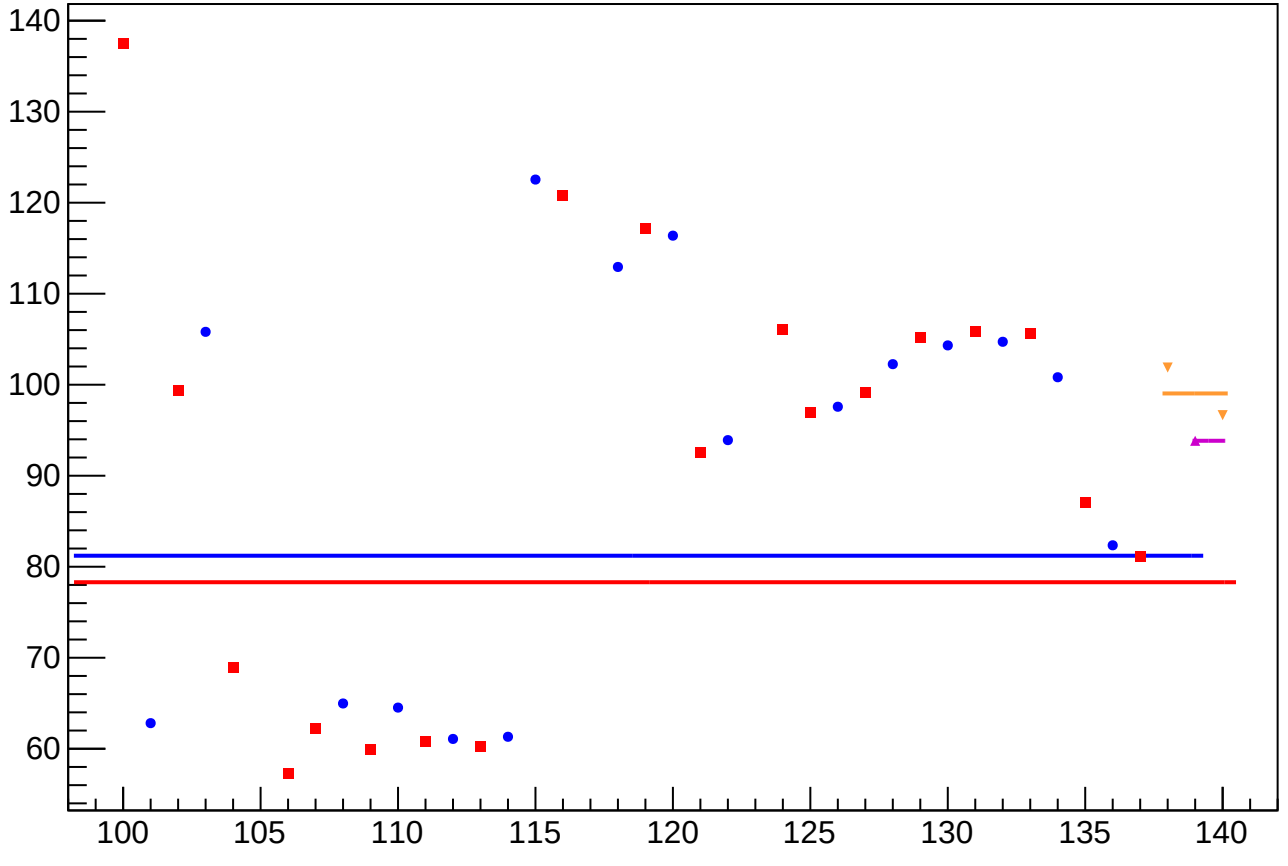
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -28.345+/-29.866 χ^2/NDF:16.3/16

Out: 92.235+/-27.953 χ^2/NDF:20.3/20

All: 35.931+/-20.408 χ^2/NDF: 45.4/37

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 99.040+/-0.055 χ^2/NDF:2227.1/1

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 93.840+/-0.072 χ^2/NDF:0.0/0

Left: 97.122+/-0.044 χ^2/NDF: 5496.1/2

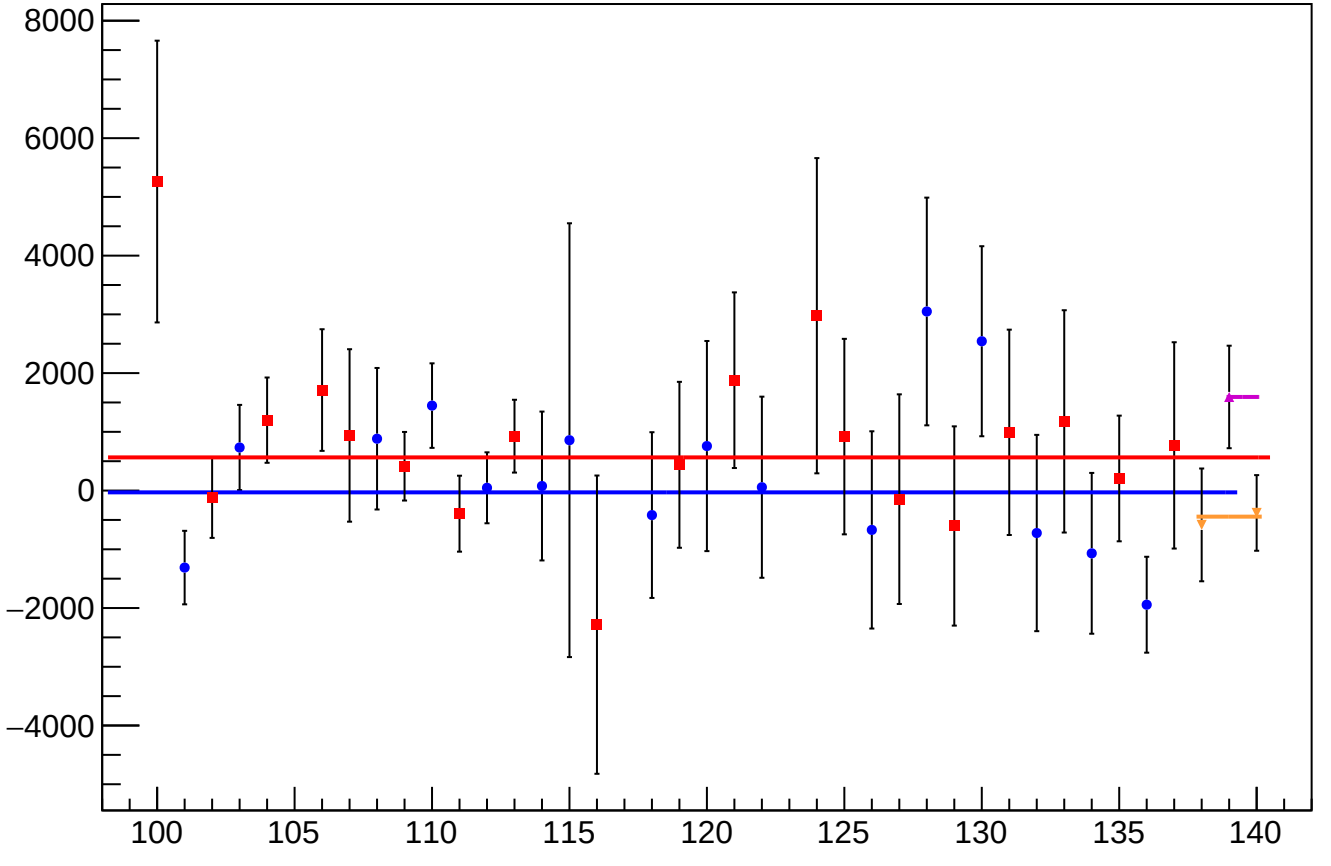
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 82.289+/-0.021 χ^2/NDF:815620.9/16

Out: 80.954+/-0.020 χ^2/NDF:1059850.6/20

All: 81.577+/-0.014 χ^2/NDF: 1877600.8/37

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -443.938+/-534.750 χ^2/NDF:0.0/1

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 1593.991+/-872.648 χ^2/NDF:0.0/0

Left: 112.413+/-455.952 χ^2/NDF: 4.0/2

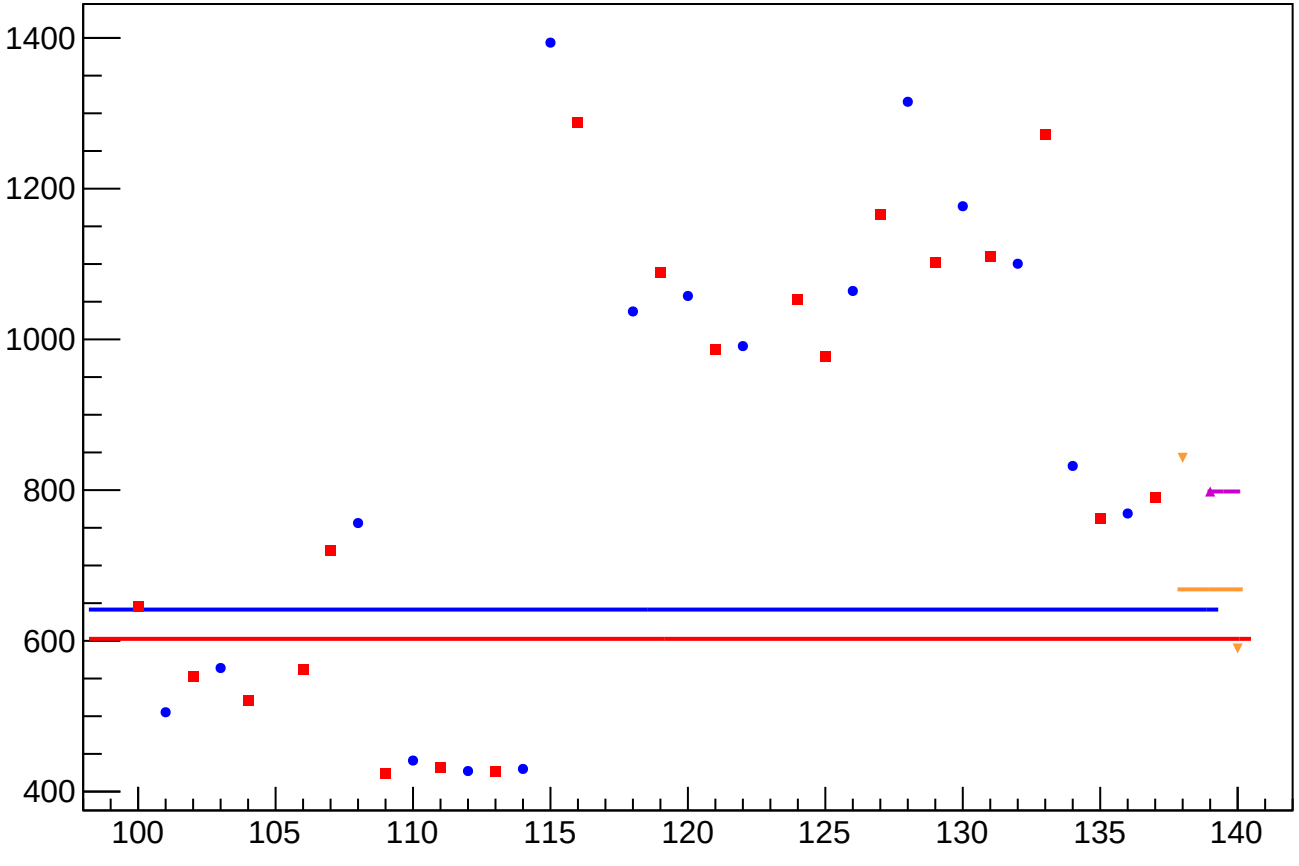
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 99.238+/-246.530 χ^2/NDF:25.1/16

Out: 397.520+/-217.812 χ^2/NDF:16.3/20

All: 266.757+/-163.230 χ^2/NDF: 42.2/37

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: 668.291+/-0.378 χ^2/NDF:95815.4/1

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 798.180+/-0.617 χ^2/NDF:0.0/0

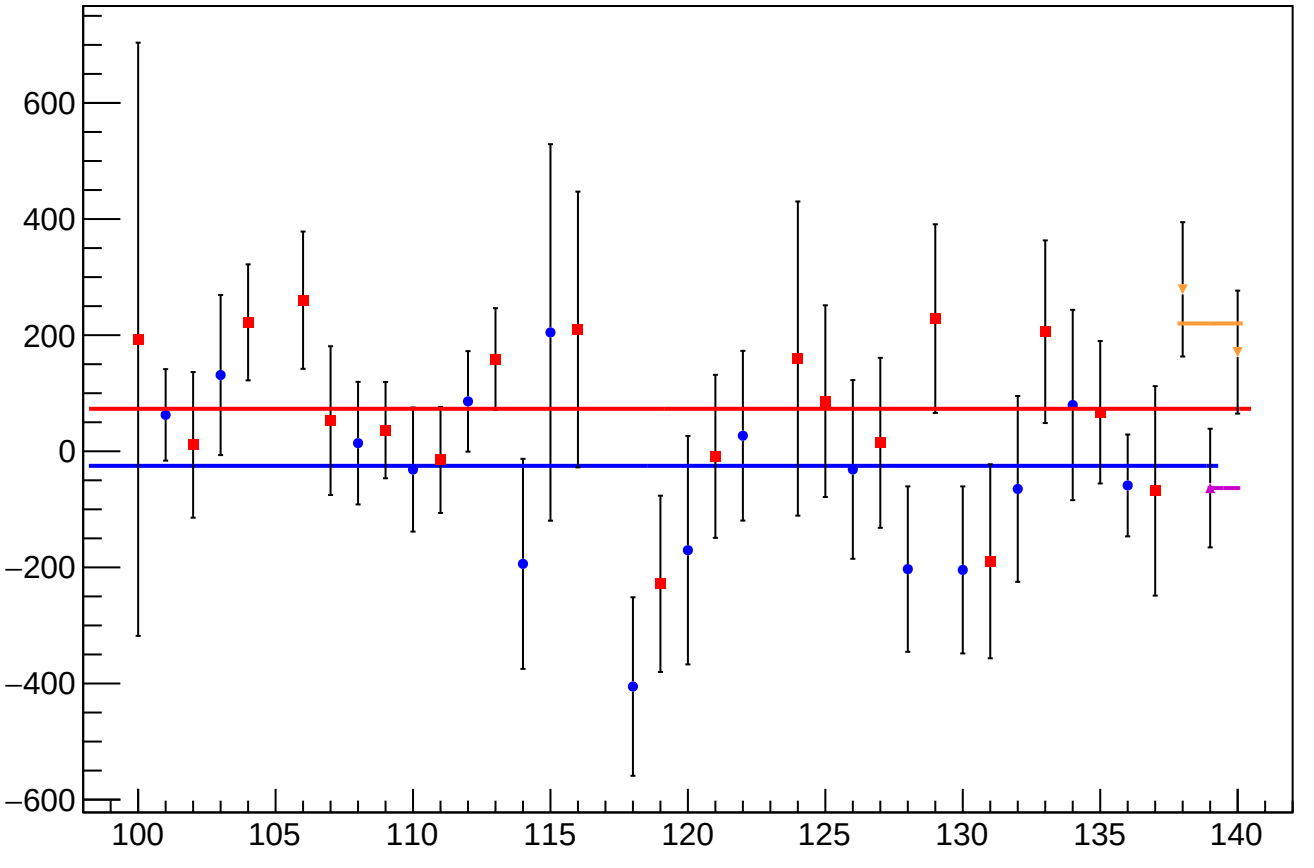
Left: 703.750+/-0.322 χ^2/NDF: 128028.4/2

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 654.003+/-0.174 χ^2/NDF:1934319.4/16

Out: 613.543+/-0.154 χ^2/NDF:2191256.2/20

All: 631.280+/-0.115 χ^2/NDF: 4155829.4/37



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 220.116+/-78.116 χ^2/NDF:0.5/1

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: -63.379+/-102.184 χ^2/NDF:0.0/0

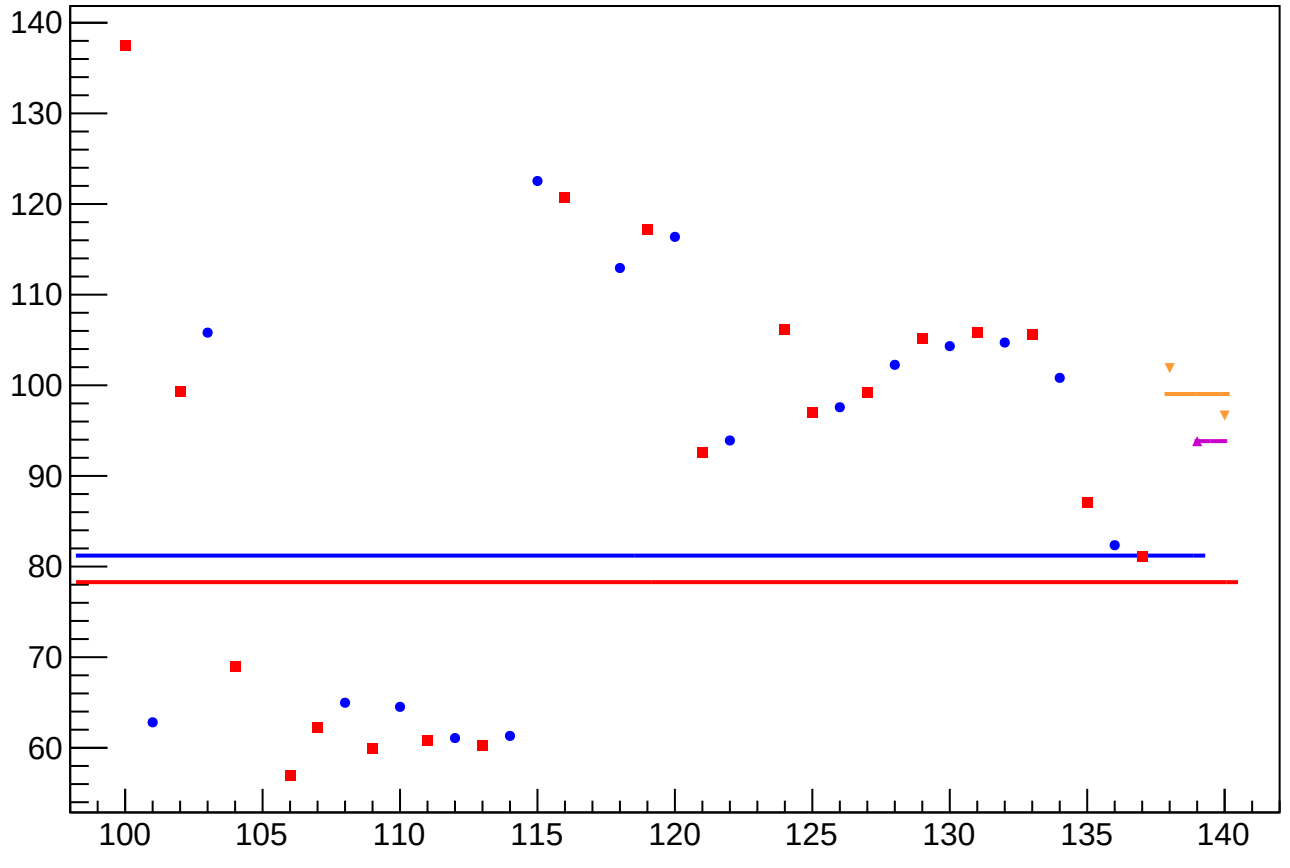
Left: 115.548+/-62.059 χ^2/NDF: 5.3/2

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -28.348+/-29.866 χ^2/NDF:16.3/16

Out: 92.007+/-27.954 χ^2/NDF:20.3/20

All: 35.805+/-20.409 χ^2/NDF: 45.3/37



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.040+/-0.055 χ^2/NDF:2227.1/1

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 93.840+/-0.072 χ^2/NDF:0.0/0

Left: 97.122+/-0.044 χ^2/NDF: 5496.1/2

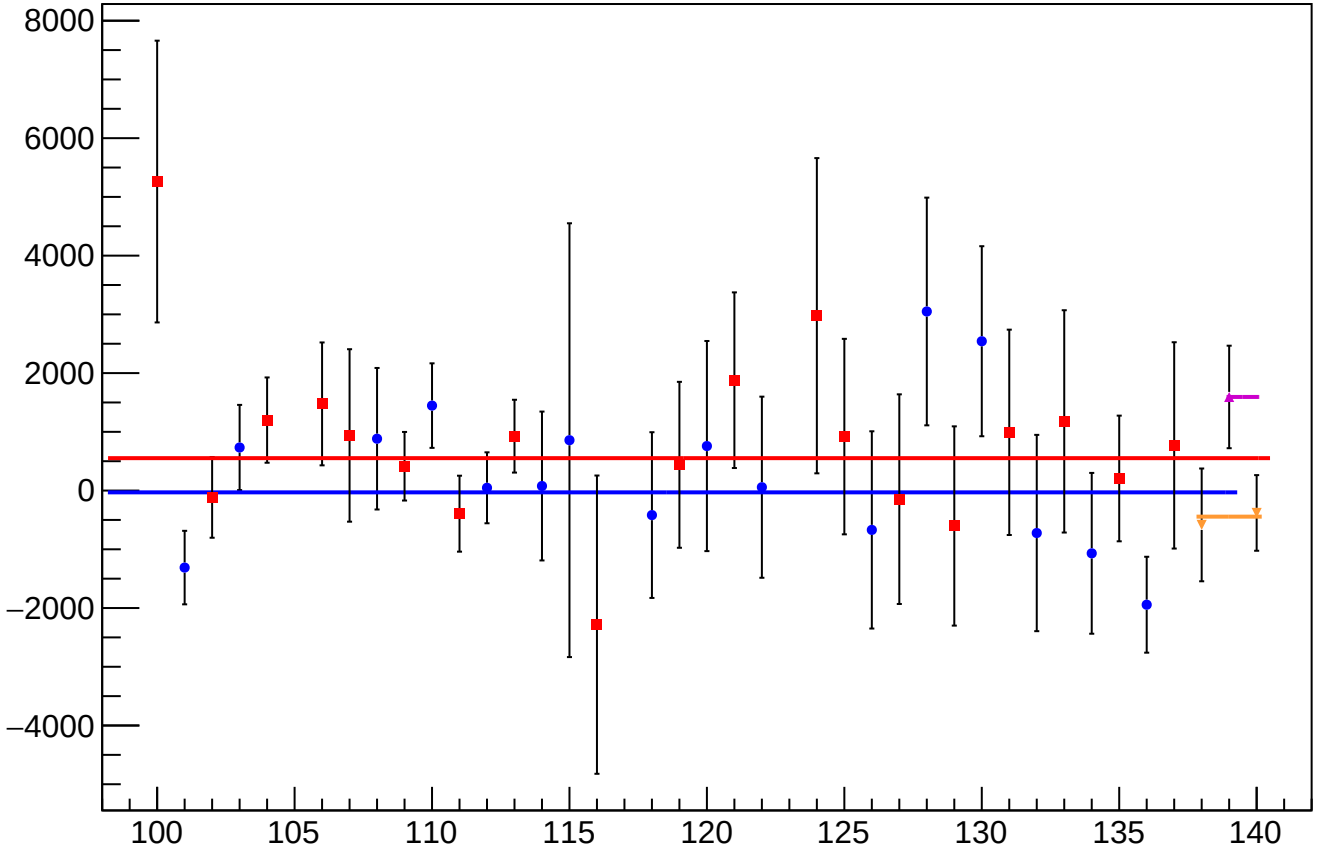
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 82.289+/-0.021 χ^2/NDF:815623.2/16

Out: 80.938+/-0.020 χ^2/NDF:1062208.2/20

All: 81.569+/-0.014 χ^2/NDF: 1880011.8/37

asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -443.927+/-534.750 χ^2/NDF:0.0/1

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 1593.994+/-872.647 χ^2/NDF:0.0/0

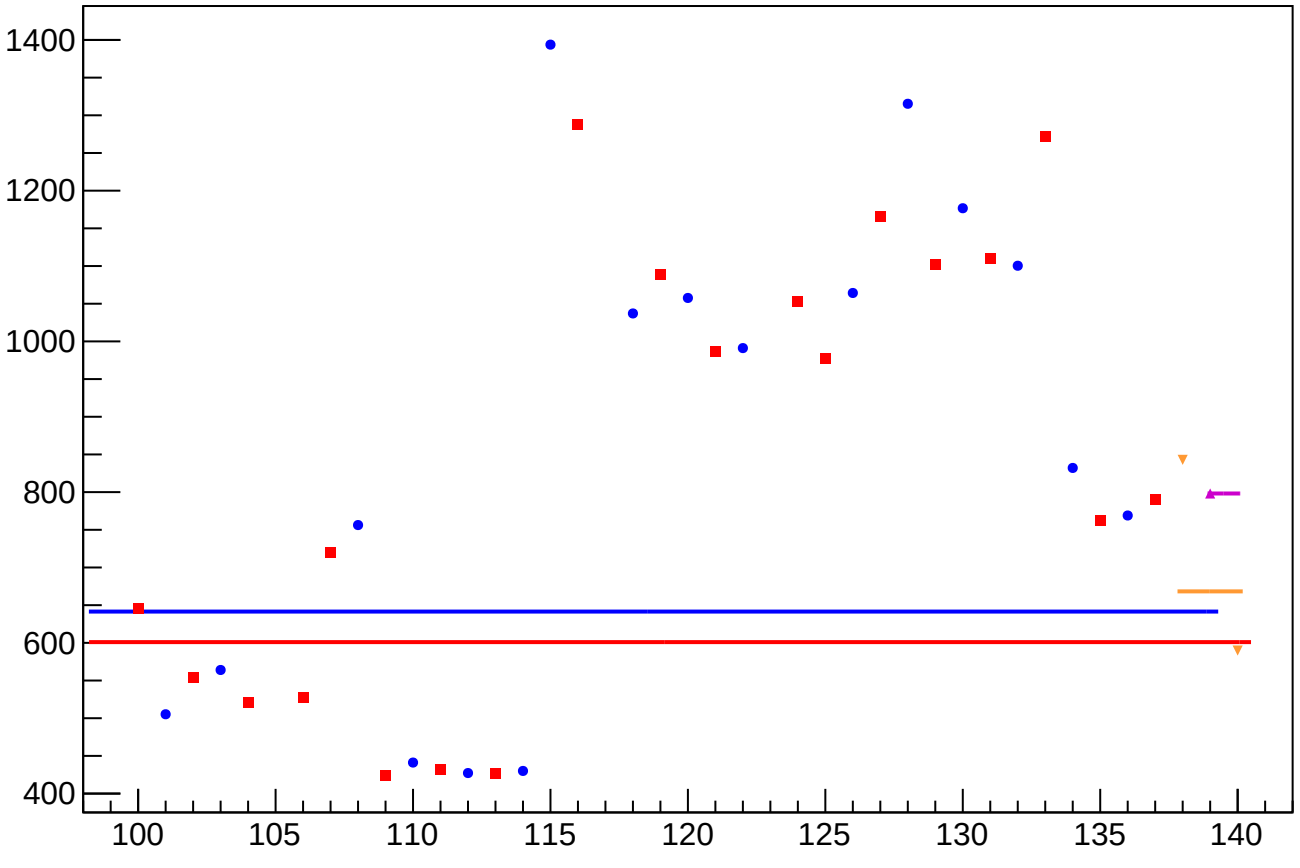
Left: 112.422+/-455.952 χ^2/NDF: 4.0/2

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 99.217+/-246.533 χ^2/NDF:25.1/16

Out: 386.555+/-217.925 χ^2/NDF:15.7/20

All: 260.518+/-163.278 χ^2/NDF: 41.6/37



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 668.291+/-0.378 χ^2/NDF:95815.5/1

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 798.179+/-0.617 χ^2/NDF:0.0/0

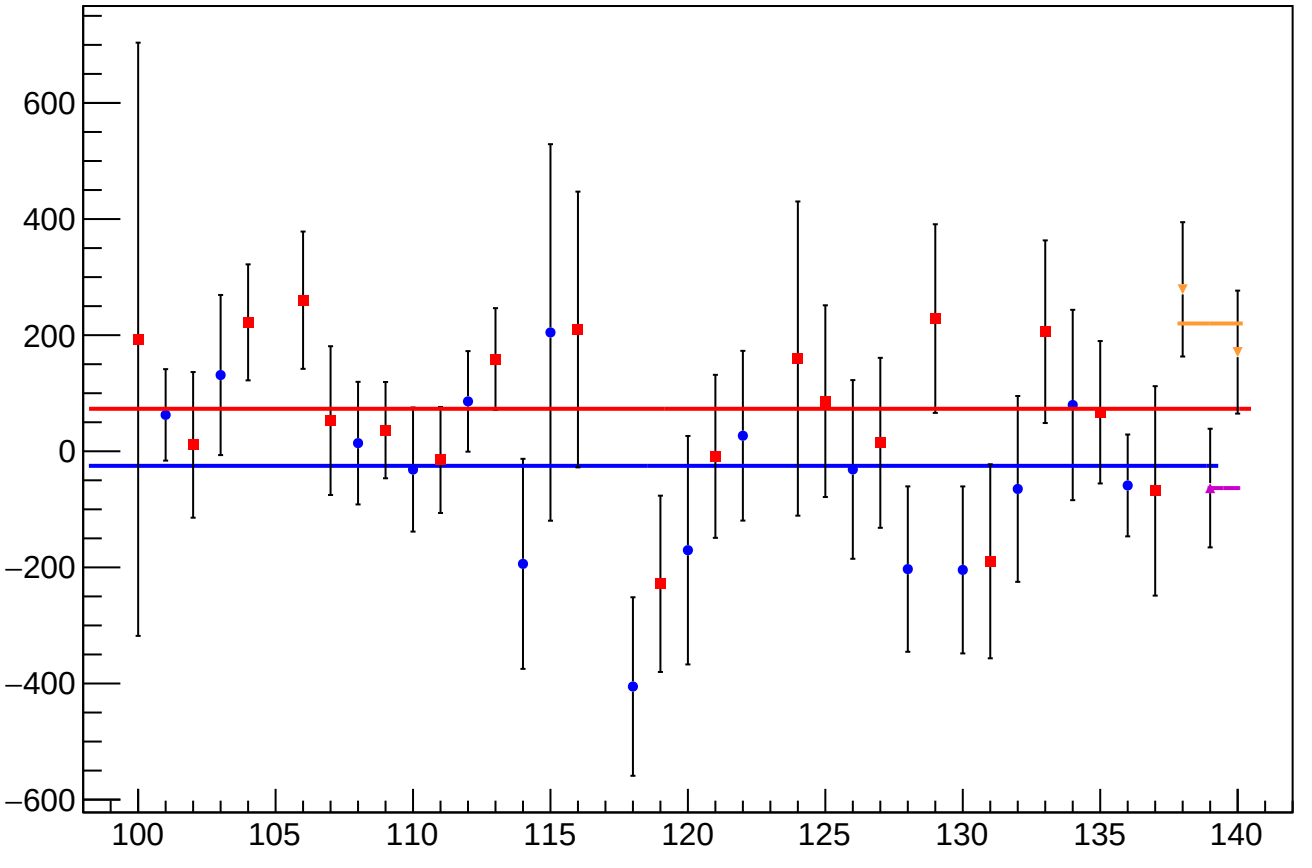
Left: 703.750+/-0.322 χ^2/NDF: 128028.3/2

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 654.012+/-0.174 χ^2/NDF:1934271.1/16

Out: 612.155+/-0.154 χ^2/NDF:2199477.0/20

All: 630.515+/-0.115 χ^2/NDF: 4166111.8/37



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 220.116+/-78.116 χ^2/NDF:0.5/1

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: -63.379+/-102.184 χ^2/NDF:0.0/0

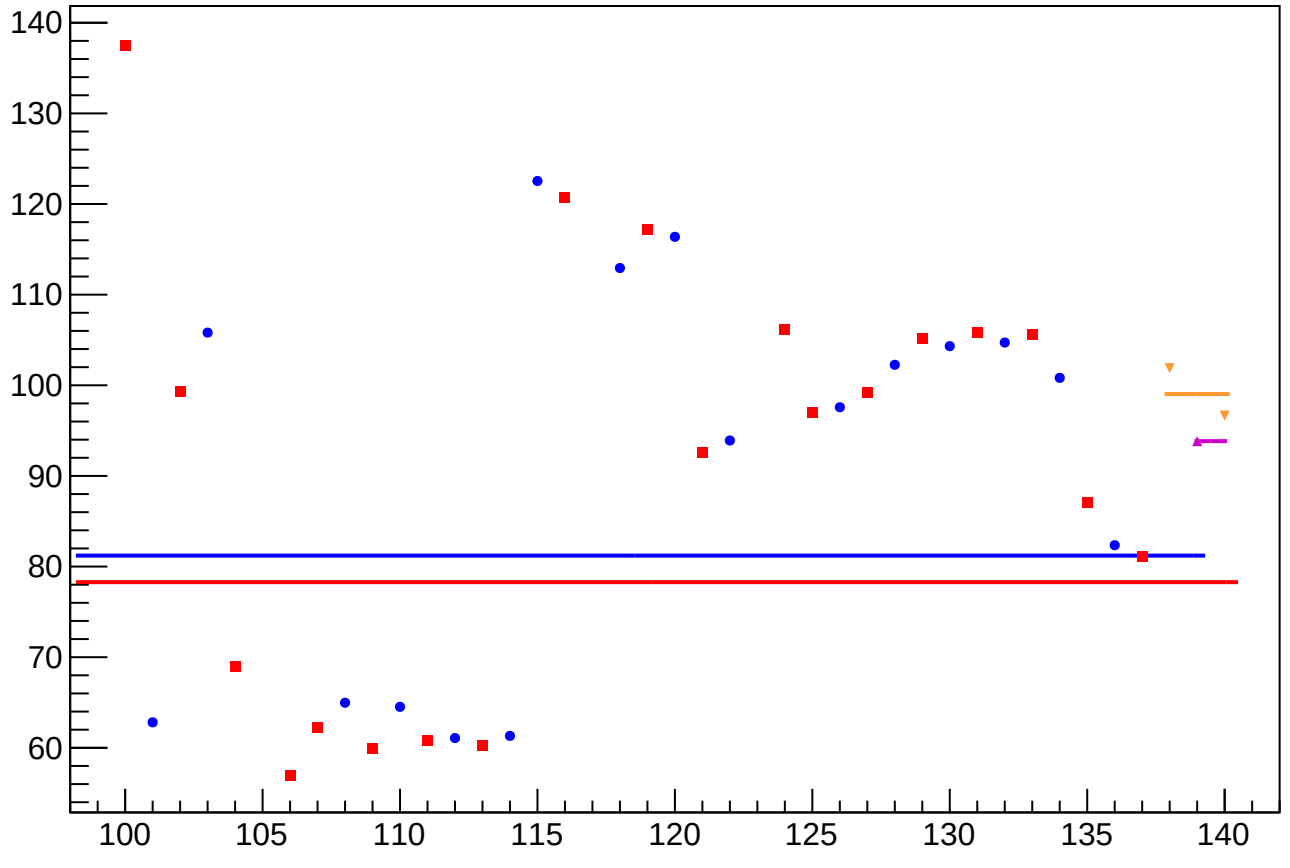
Left: 115.548+/-62.059 χ^2/NDF: 5.3/2

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -28.348+/-29.866 χ^2/NDF:16.3/16

Out: 92.007+/-27.954 χ^2/NDF:20.3/20

All: 35.805+/-20.409 χ^2/NDF: 45.3/37



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.040+/-0.055 χ^2/NDF:2227.1/1

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 93.840+/-0.072 χ^2/NDF:0.0/0

Left: 97.122+/-0.044 χ^2/NDF: 5496.1/2

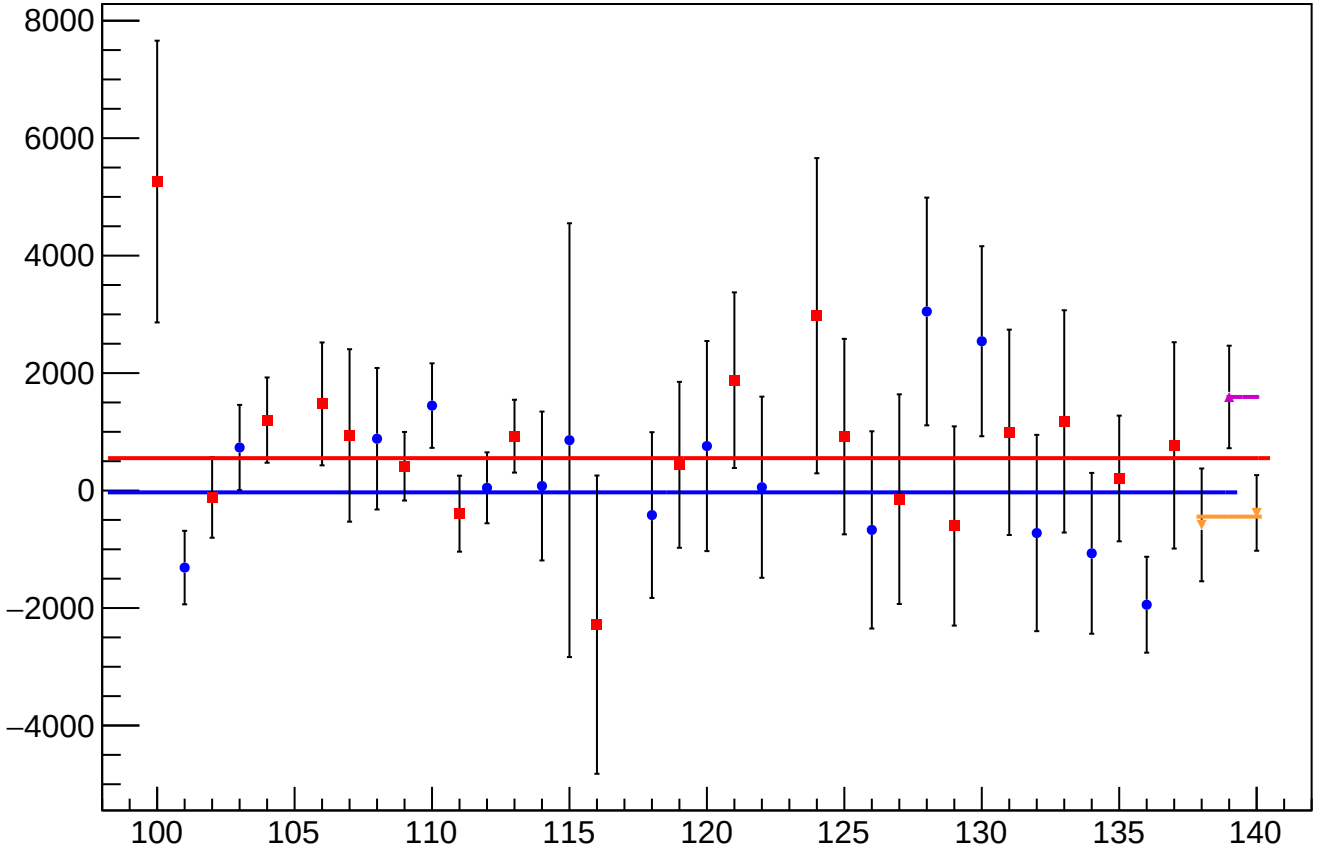
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 82.289+/-0.021 χ^2/NDF:815623.2/16

Out: 80.938+/-0.020 χ^2/NDF:1062208.2/20

All: 81.569+/-0.014 χ^2/NDF: 1880011.8/37

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -443.927+/-534.750 χ^2/NDF:0.0/1

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 1593.994+/-872.647 χ^2/NDF:0.0/0

Left: 112.422+/-455.952 χ^2/NDF: 4.0/2

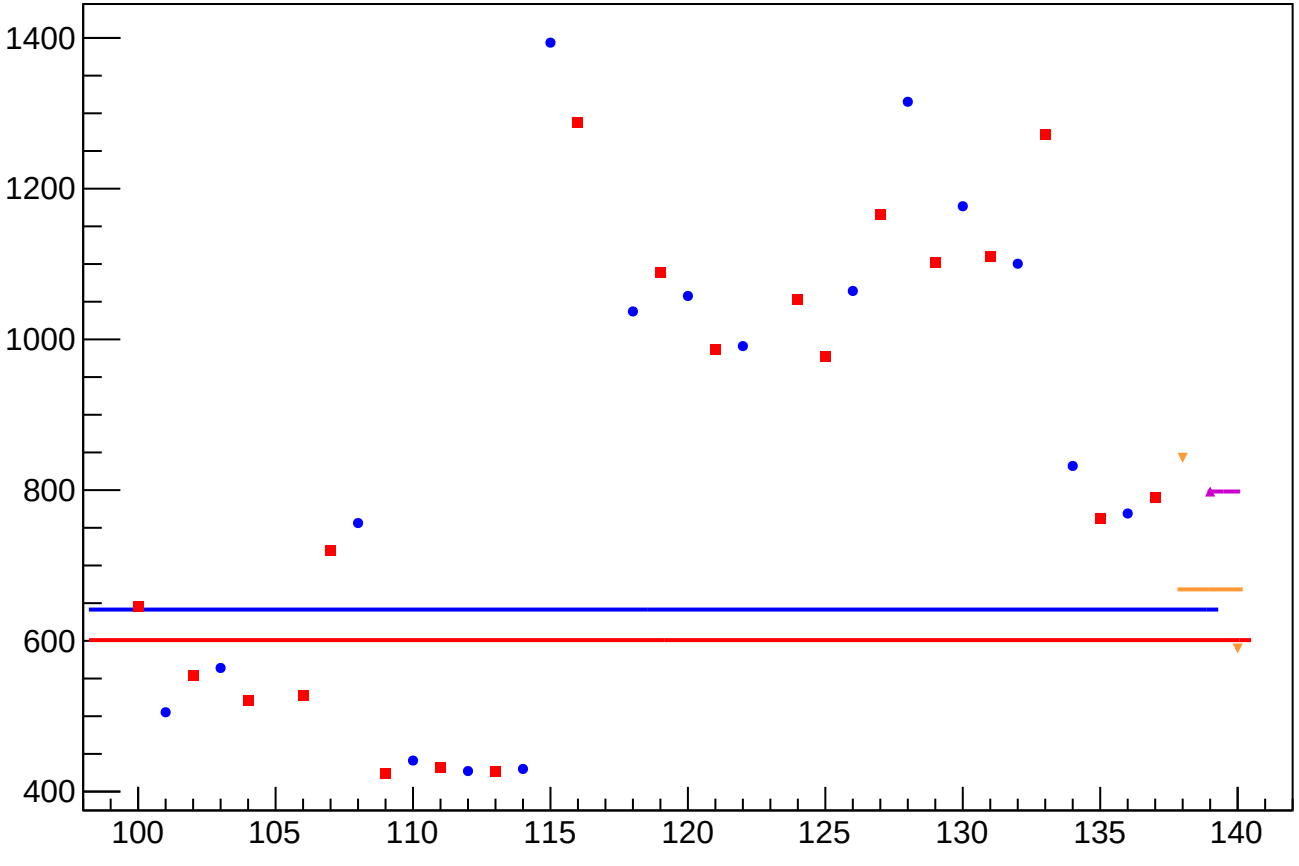
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 99.217+/-246.533 χ^2/NDF:25.1/16

Out: 386.555+/-217.925 χ^2/NDF:15.7/20

All: 260.518+/-163.278 χ^2/NDF: 41.6/37

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 668.291+/-0.378 χ^2/NDF:95815.5/1

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 798.179+/-0.617 χ^2/NDF:0.0/0

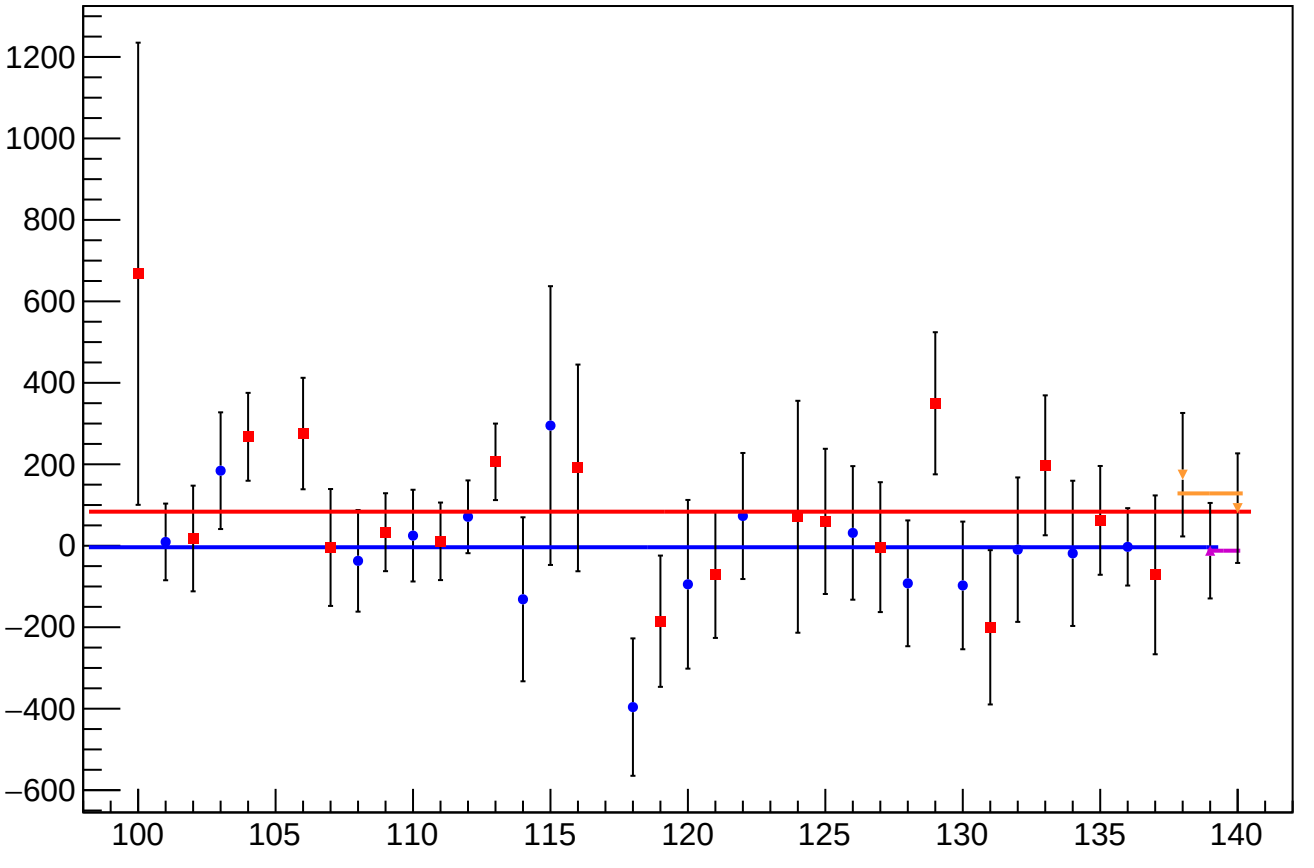
Left: 703.750+/-0.322 χ^2/NDF: 128028.3/2

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 654.012+/-0.174 χ^2/NDF:1934271.1/16

Out: 612.155+/-0.154 χ^2/NDF:2199477.0/20

All: 630.515+/-0.115 χ^2/NDF: 4166111.8/37



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 128.508+/-100.611 χ^2/NDF:0.2/1

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: -12.134+/-117.244 χ^2/NDF:0.0/0

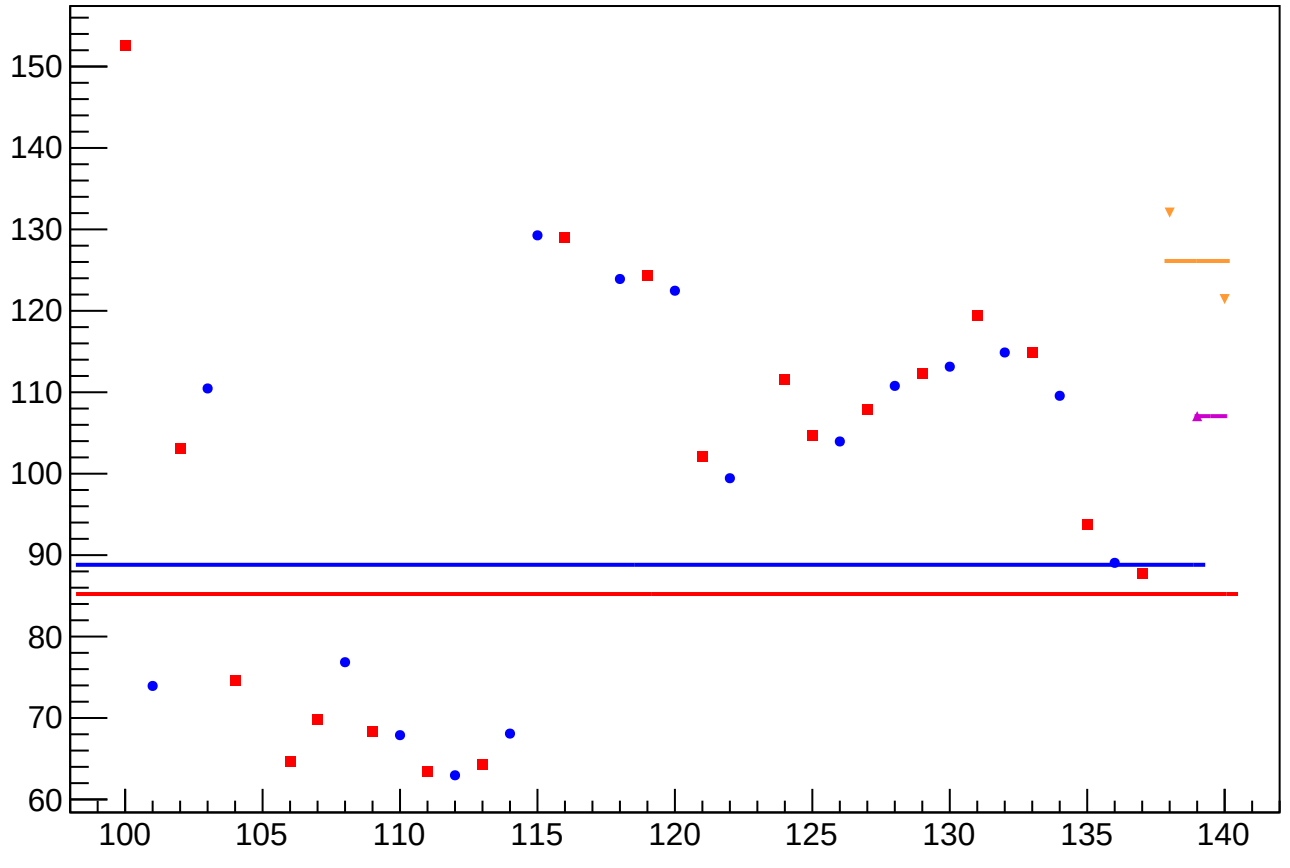
Left: 68.863+/-76.352 χ^2/NDF: 1.0/2

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: -4.300+/-32.790 χ^2/NDF:10.3/16

Out: 87.944+/-31.041 χ^2/NDF:19.4/20

All: 44.348+/-22.542 χ^2/NDF: 33.9/37



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 126.121+/-0.071 χ^2/NDF:5493.6/1

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 107.068+/-0.083 χ^2/NDF:0.0/0

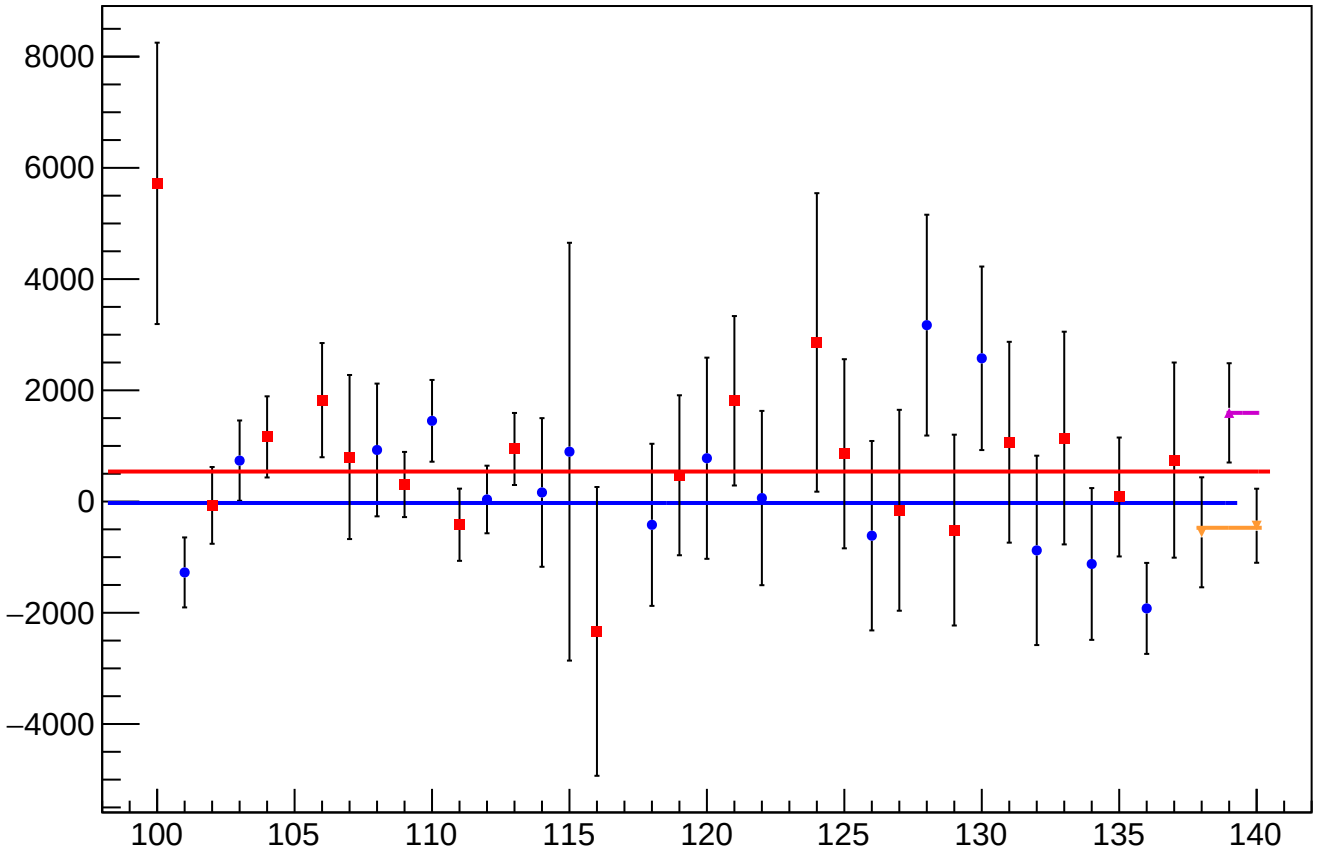
Left: 118.040+/-0.054 χ^2/NDF: 35910.9/2

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 90.241+/-0.023 χ^2/NDF:769299.5/16

Out: 89.117+/-0.022 χ^2/NDF:1188554.8/20

All: 89.648+/-0.016 χ^2/NDF: 1959093.2/37



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -471.819+/-552.330 χ^2/NDF:0.0/1

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 1594.552+/-892.600 χ^2/NDF:0.0/0

Left: 100.321+/-469.682 χ^2/NDF: 3.9/2

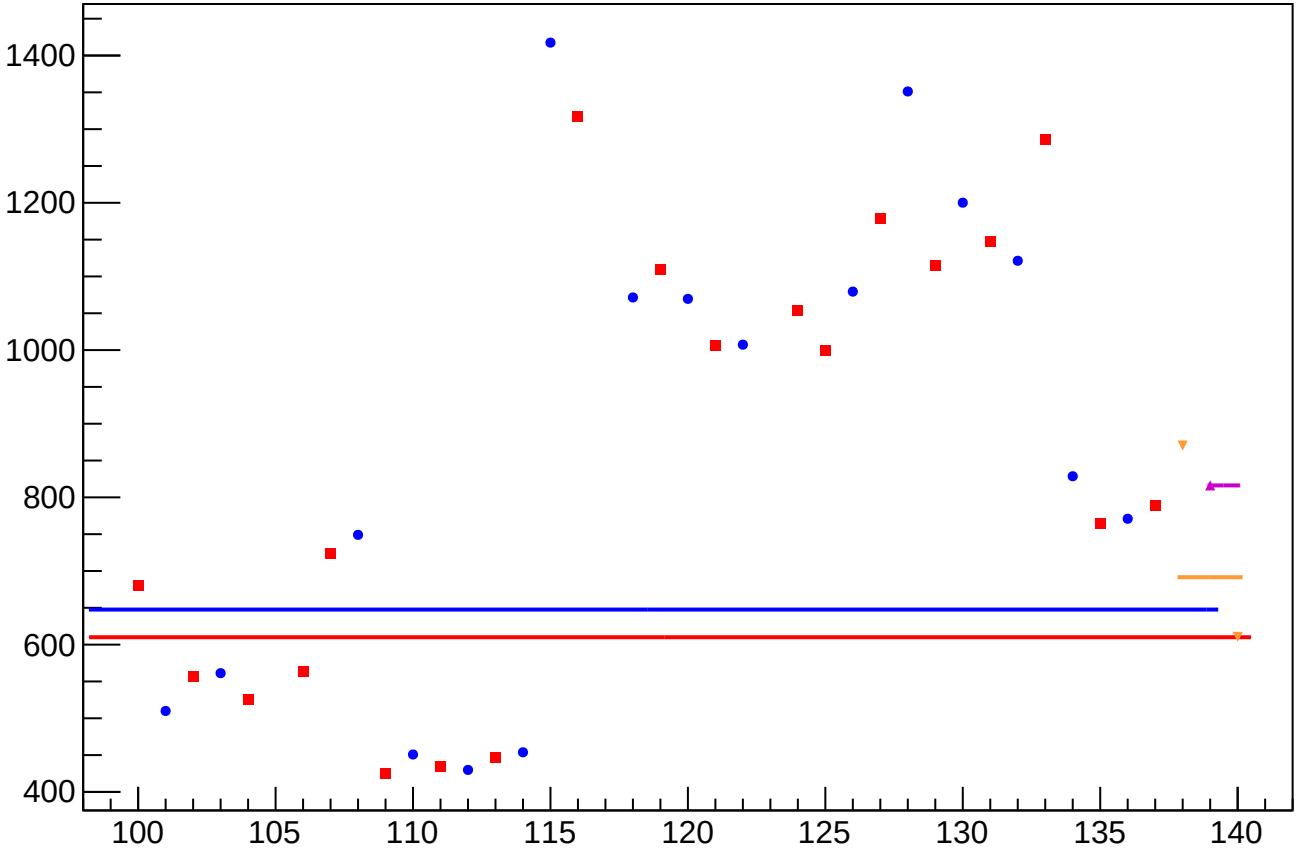
Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 100.418+/-249.096 χ^2/NDF:24.6/16

Out: 377.598+/-221.072 χ^2/NDF:16.5/20

All: 255.470+/-165.345 χ^2/NDF: 41.7/37

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 691.565+/-0.391 χ^2/NDF:94978.4/1

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 816.230+/-0.631 χ^2/NDF:0.0/0

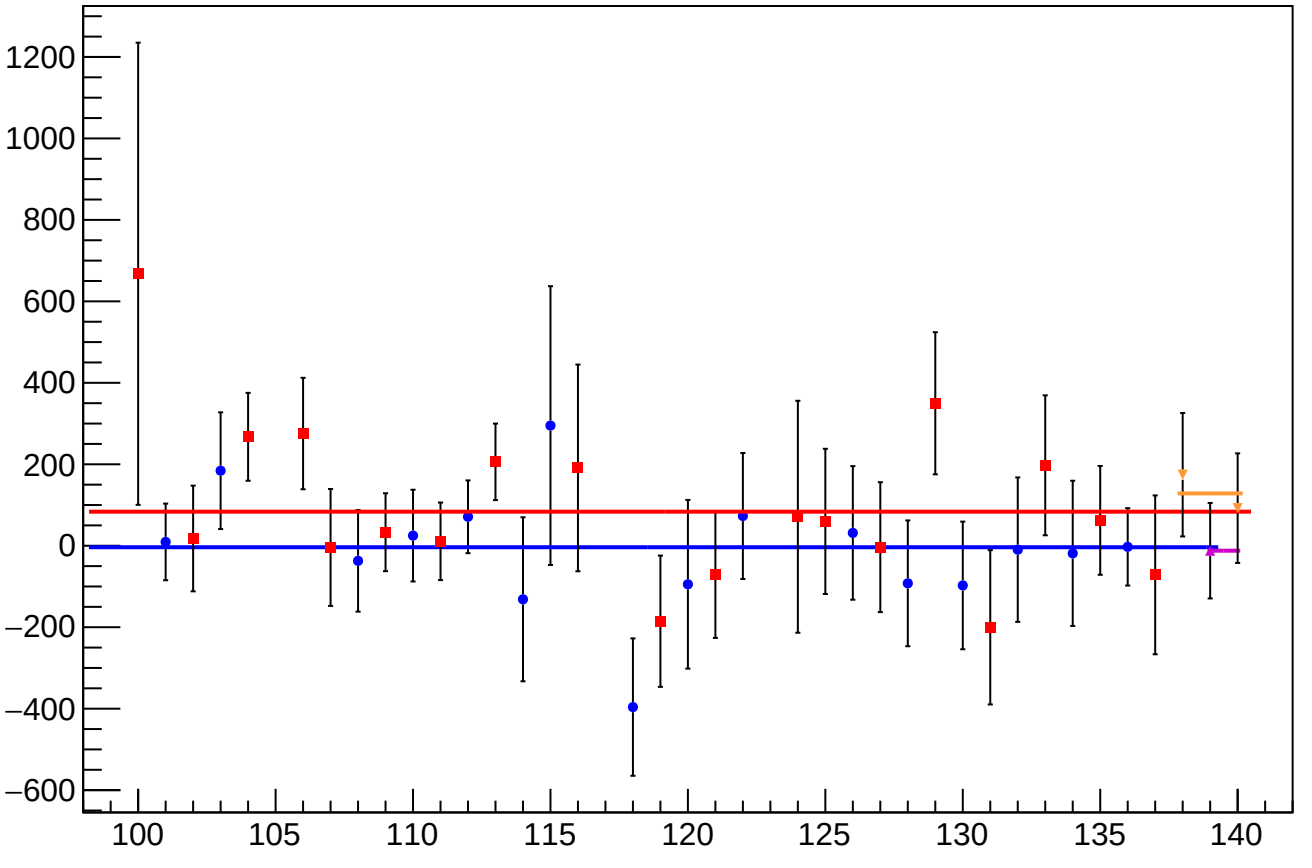
Left: 726.082+/-0.332 χ^2/NDF: 123189.4/2

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 660.770+/-0.176 χ^2/NDF:1953606.9/16

Out: 623.118+/-0.156 χ^2/NDF:2205800.3/20

All: 639.708+/-0.117 χ^2/NDF: 4184969.4/37



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 128.510+/-100.611 χ^2/NDF:0.2/1

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: -12.136+/-117.244 χ^2/NDF:0.0/0

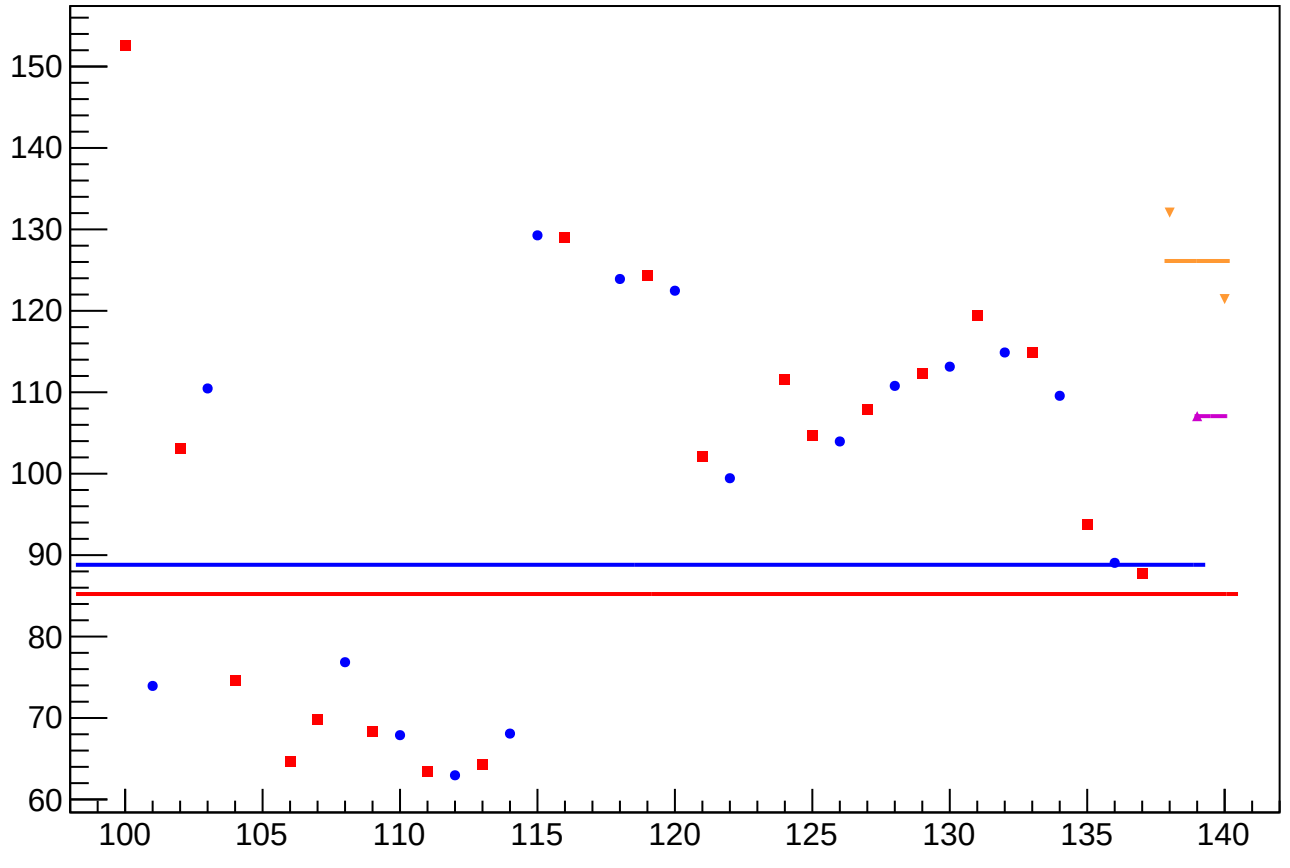
Left: 68.863+/-76.352 χ^2/NDF: 1.0/2

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: -4.298+/-32.790 χ^2/NDF:10.3/16

Out: 87.944+/-31.041 χ^2/NDF:19.4/20

All: 44.348+/-22.542 χ^2/NDF: 33.9/37



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 126.121+/-0.071 χ^2/NDF:5493.2/1

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 107.068+/-0.083 χ^2/NDF:0.0/0

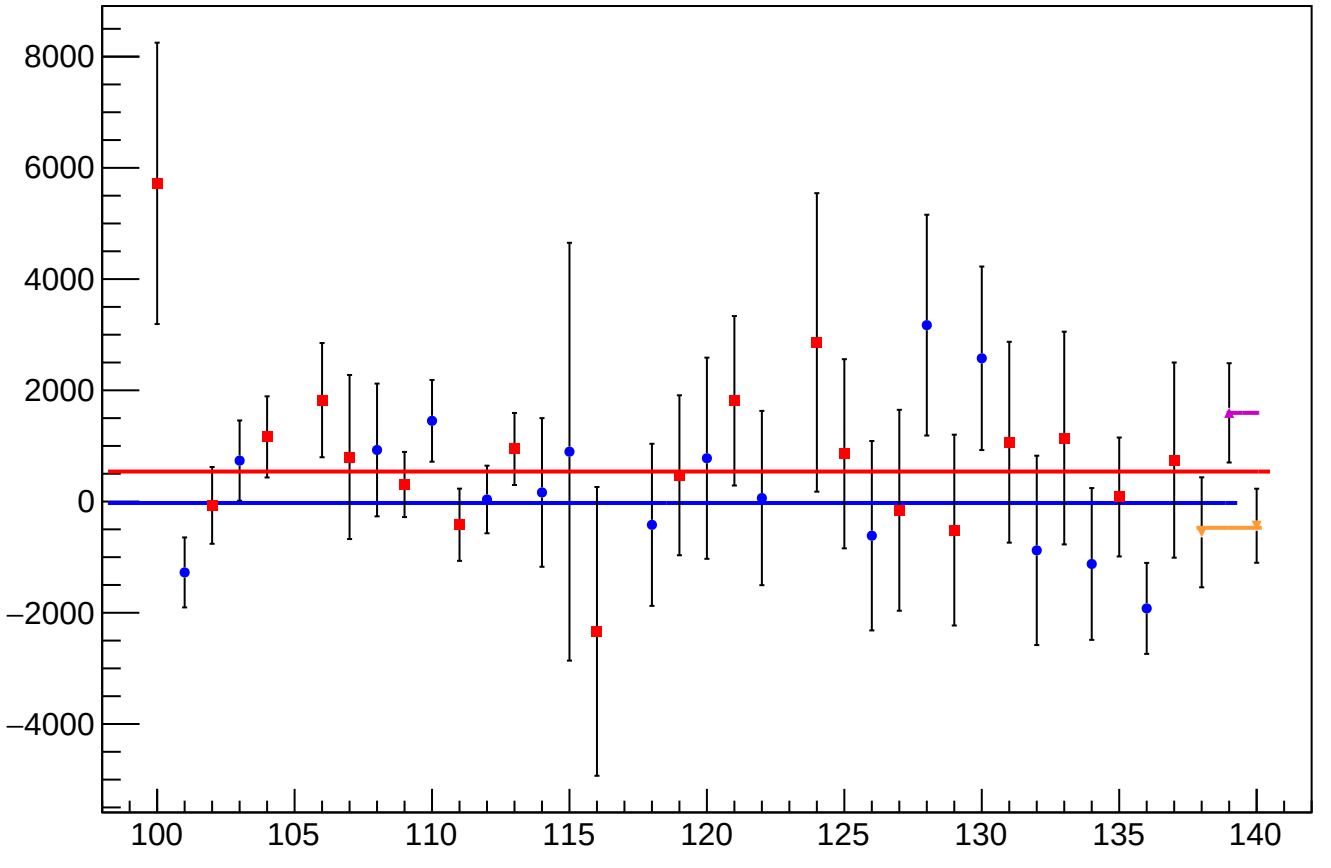
Left: 118.041+/-0.054 χ^2/NDF: 35911.0/2

Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 90.241+/-0.023 χ^2/NDF:769299.6/16

Out: 89.117+/-0.022 χ^2/NDF:1188559.4/20

All: 89.648+/-0.016 χ^2/NDF: 1959097.8/37



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -471.818+/-552.330 χ^2/NDF:0.0/1

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 1594.552+/-892.599 χ^2/NDF:0.0/0

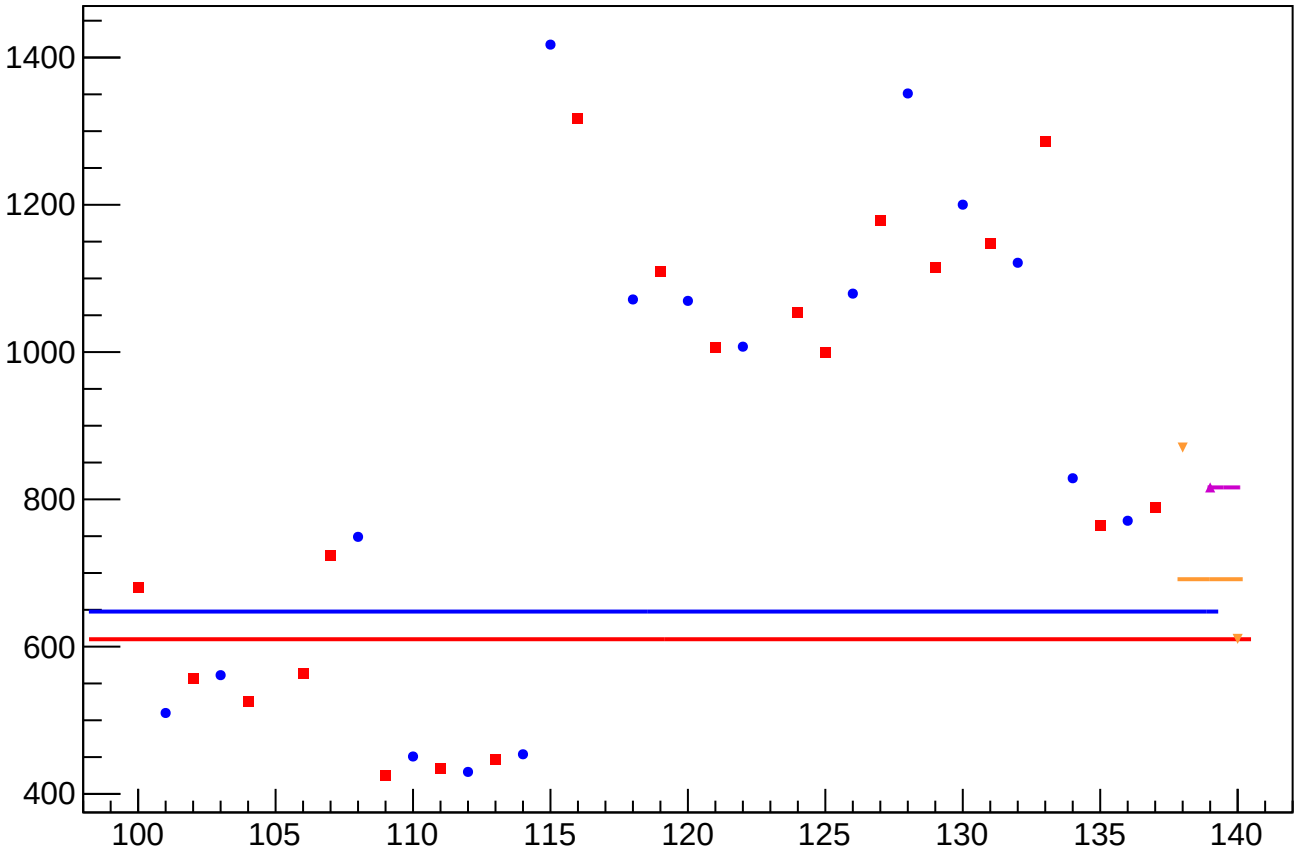
Left: 100.321+/-469.681 χ^2/NDF: 3.9/2

Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 100.418+/-249.095 χ^2/NDF:24.6/16

Out: 377.597+/-221.072 χ^2/NDF:16.5/20

All: 255.470+/-165.345 χ^2/NDF: 41.7/37



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 691.564+/-0.391 χ^2/NDF:94978.4/1

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 816.230+/-0.631 χ^2/NDF:0.0/0

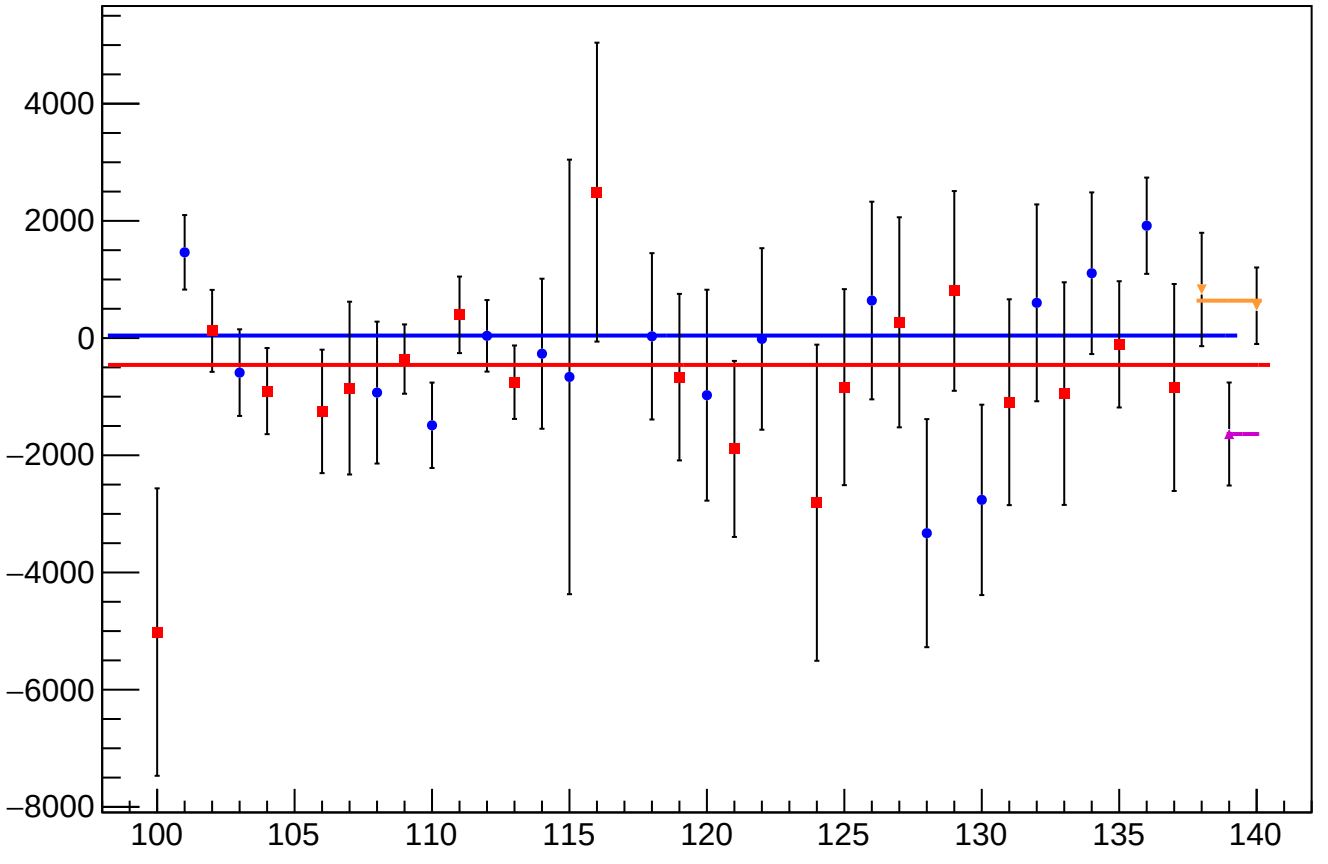
Left: 726.082+/-0.332 χ^2/NDF: 123189.6/2

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 660.769+/-0.176 χ^2/NDF:1953612.0/16

Out: 623.117+/-0.156 χ^2/NDF:2205803.2/20

All: 639.707+/-0.117 χ^2/NDF: 4184977.4/37



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 638.565+/-541.107 χ^2/NDF:0.1/1

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -1637.135+/-878.862 χ^2/NDF:0.0/0

Left: 13.029+/-460.775 χ^2/NDF: 4.9/2

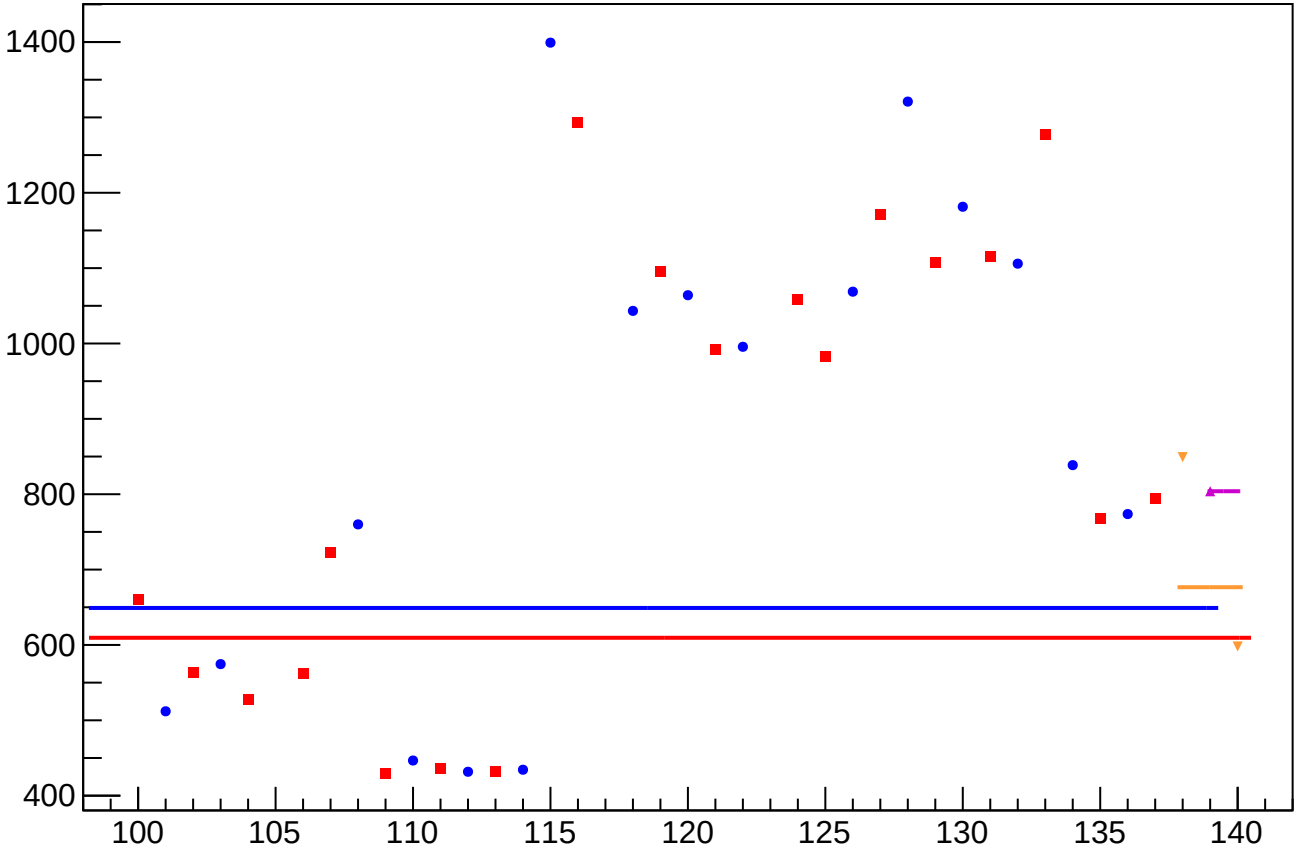
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -91.876+/-249.139 χ^2/NDF:26.6/16

Out: -276.430+/-220.241 χ^2/NDF:14.7/20

All: -195.472+/-165.010 χ^2/NDF: 41.6/37

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 676.609+/-0.383 χ^2/NDF:92689.1/1

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 803.970+/-0.621 χ^2/NDF:0.0/0

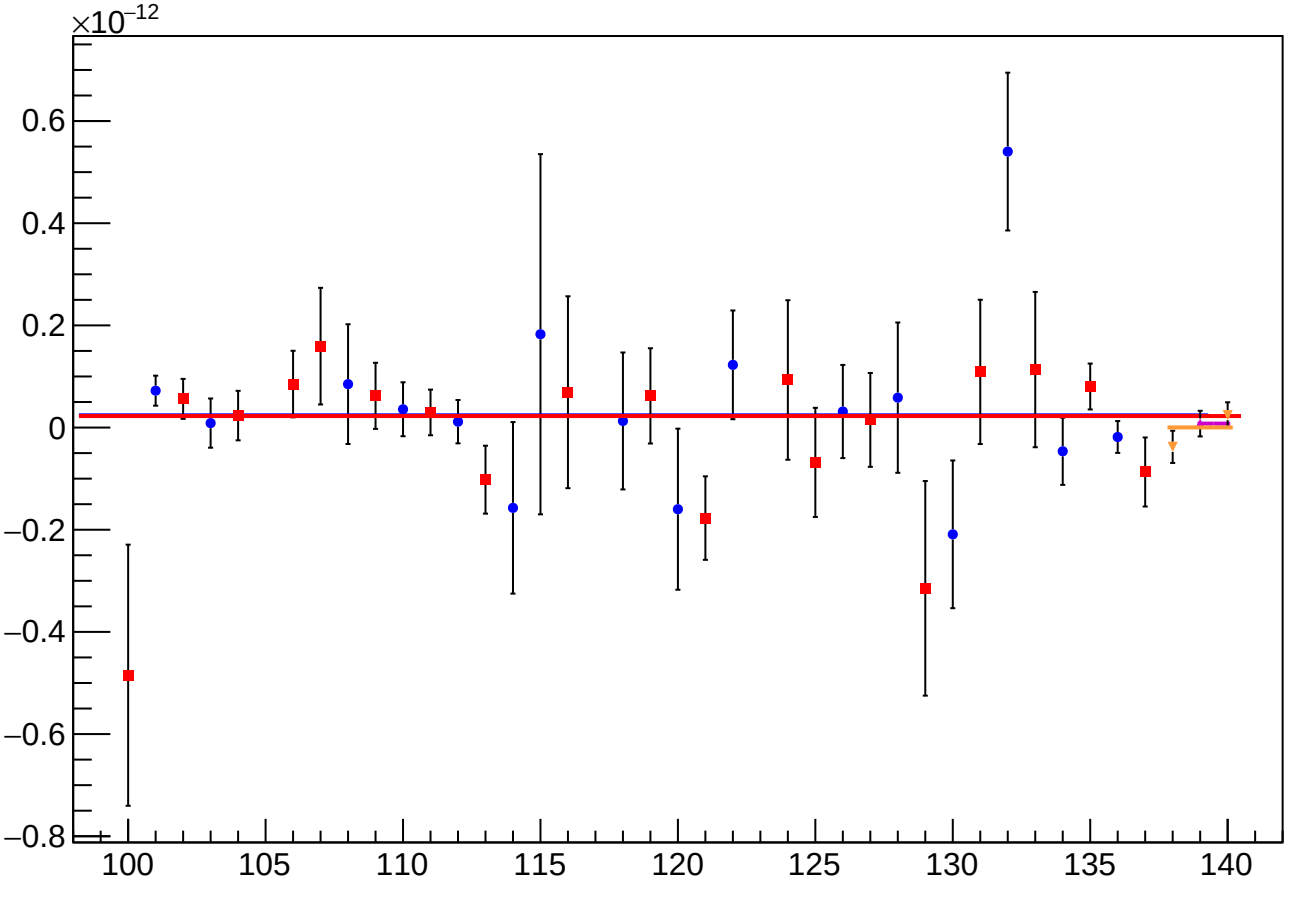
Left: 711.617+/-0.326 χ^2/NDF: 123144.9/2

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 661.537+/-0.176 χ^2/NDF:1902935.9/16

Out: 620.631+/-0.156 χ^2/NDF:2161934.2/20

All: 638.575+/-0.117 χ^2/NDF: 4095134.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

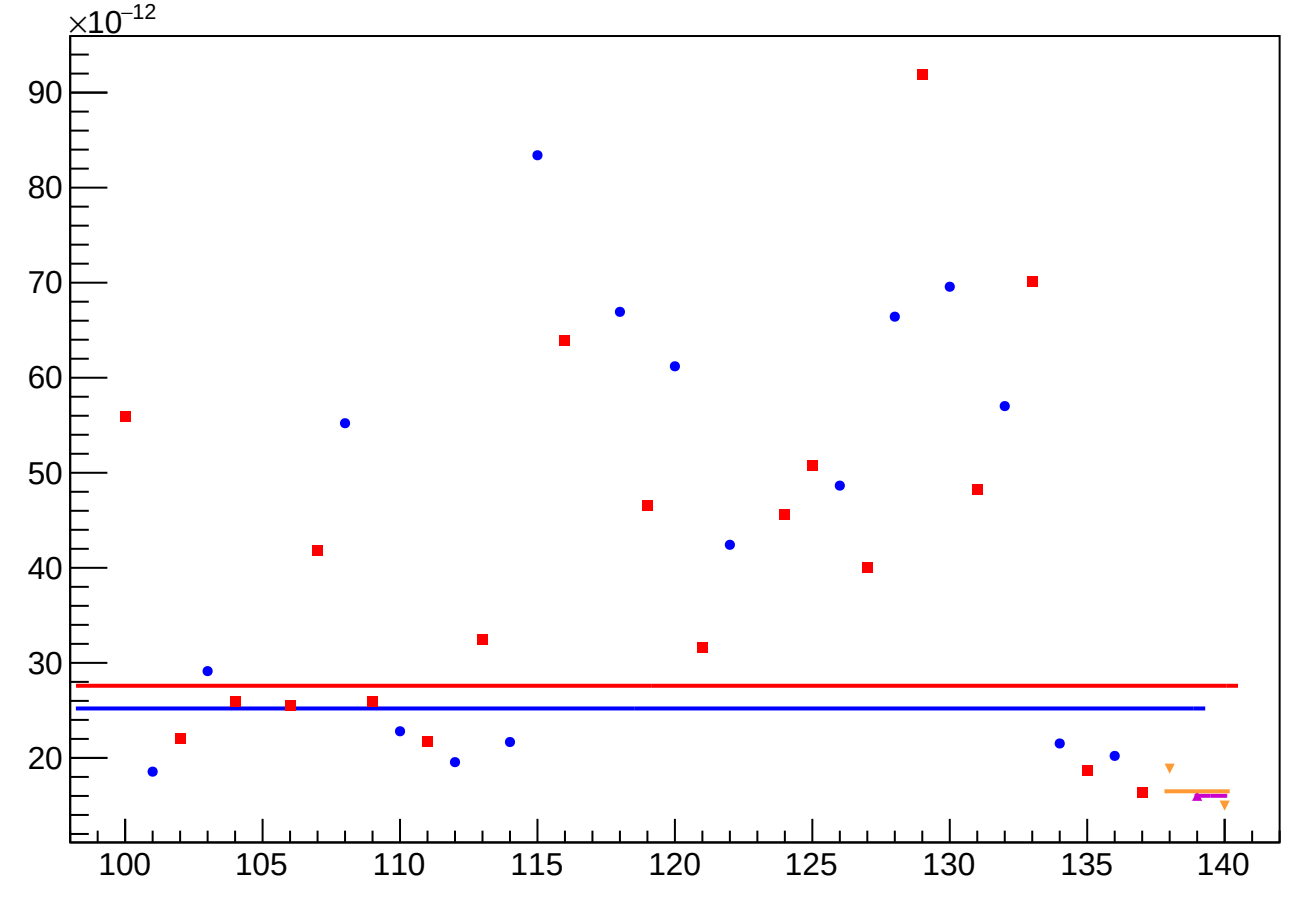
Left: 0.000+/-0.000 χ^2/NDF: 2.4/2

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:23.9/16

Out: 0.000+/-0.000 χ^2/NDF:28.8/20

All: 0.000+/-0.000 χ^2/NDF: 52.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18597.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 19039.3/2

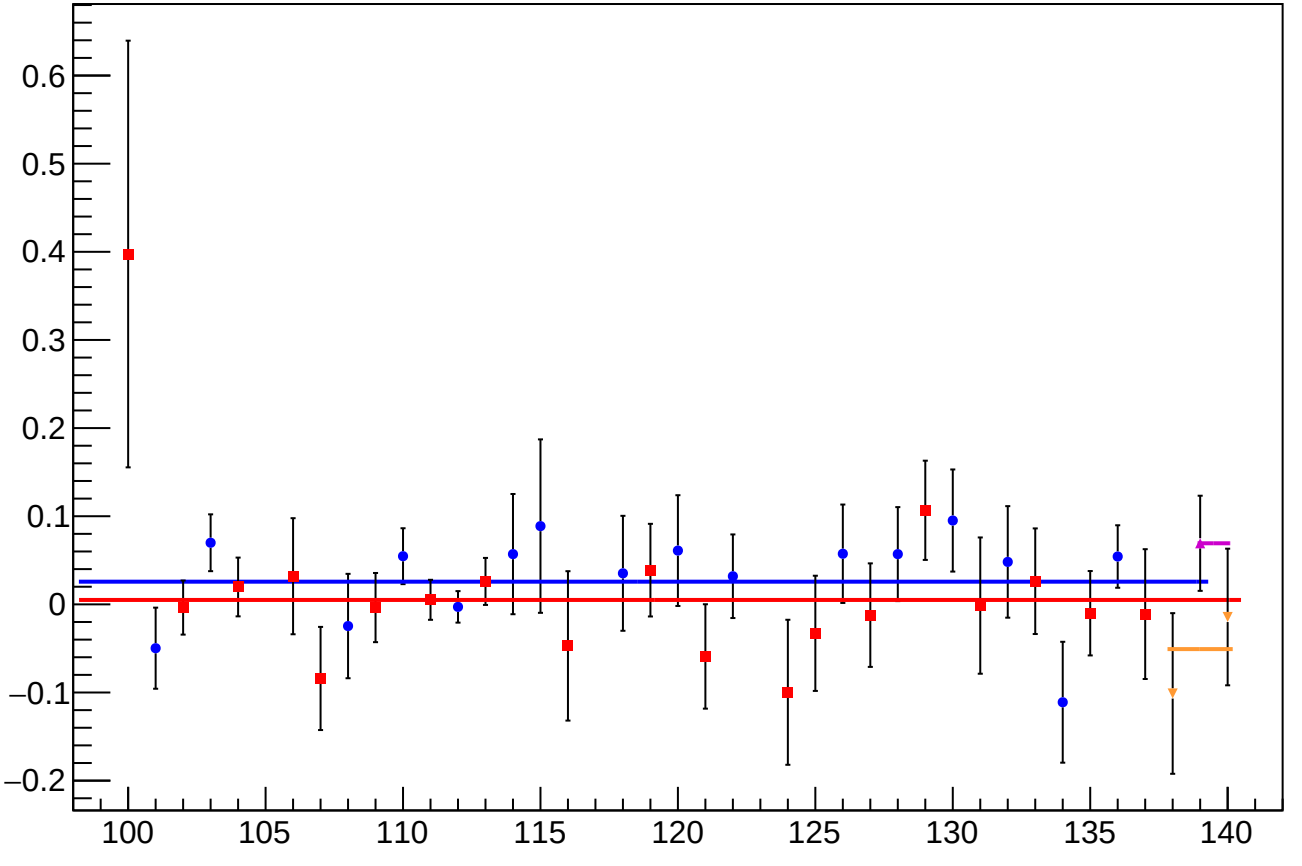
Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:1508432.8/16

Out: 0.000+/-0.000 χ^2/NDF:1384593.0/20

All: 0.000+/-0.000 χ^2/NDF: 2893641.3/37

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.051+/-0.059 χ^2/NDF:0.5/1

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.069+/-0.054 χ^2/NDF:0.0/0

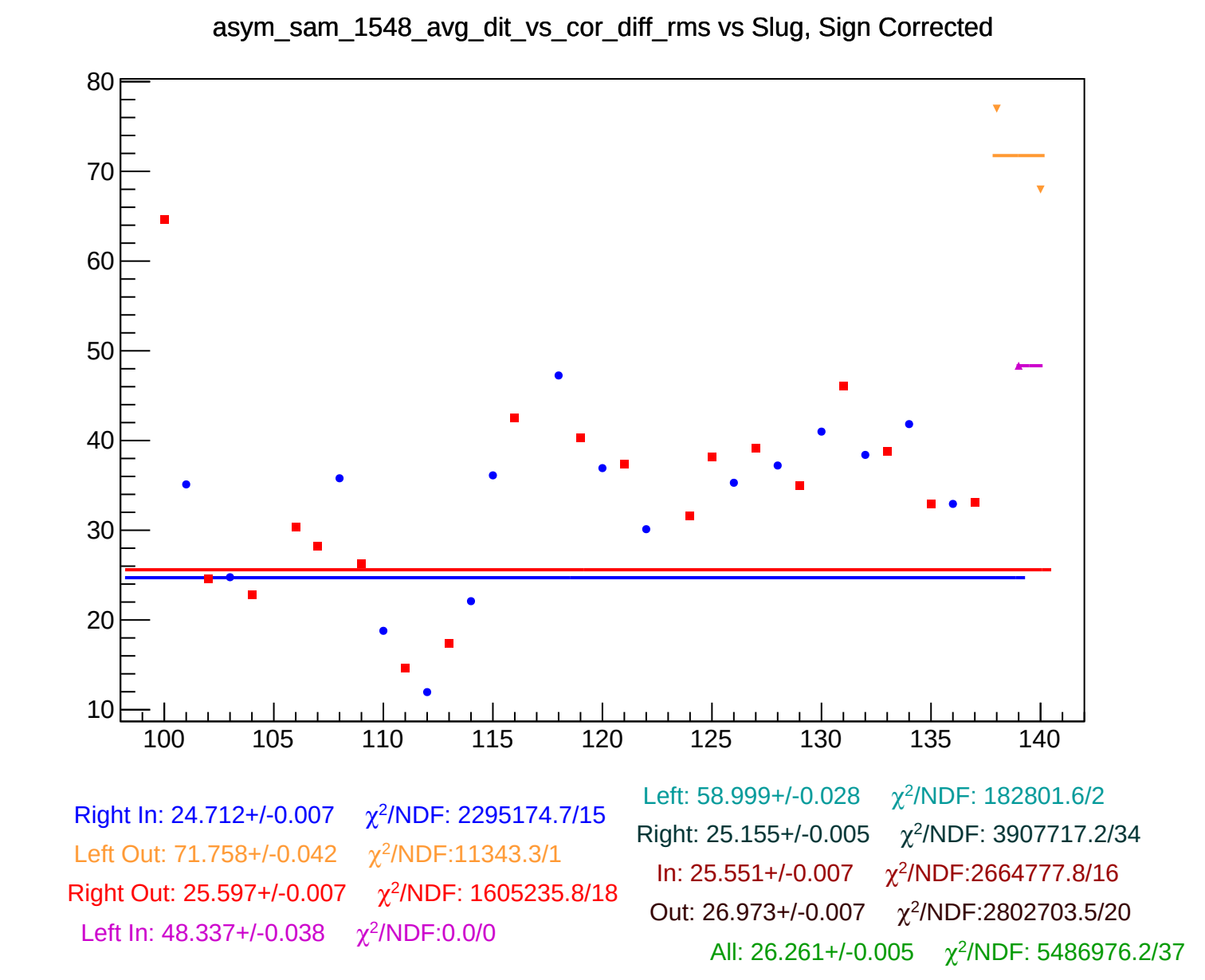
Left: 0.015+/-0.040 χ^2/NDF: 2.8/2

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

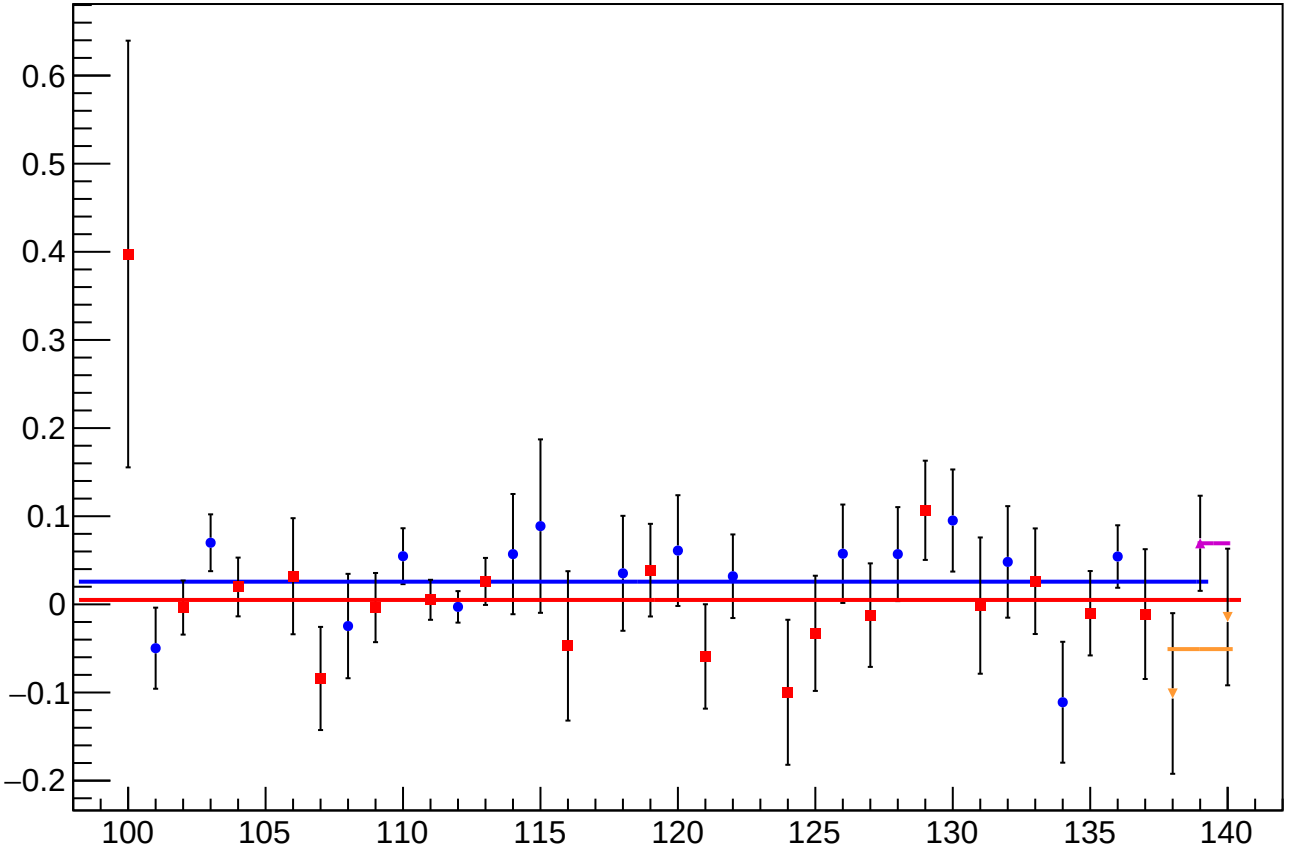
In: 0.027+/-0.010 χ^2/NDF:17.1/16

Out: 0.003+/-0.010 χ^2/NDF:15.0/20

All: 0.015+/-0.007 χ^2/NDF: 34.9/37


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 71.758+/-0.042 χ²/NDF:11343.3/1
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 48.337+/-0.038 χ²/NDF:0.0/0
Left: 58.999+/-0.028 χ²/NDF: 182801.6/2
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 25.551+/-0.007 χ²/NDF:2664777.8/16
Out: 26.973+/-0.007 χ²/NDF:2802703.5/20
All: 26.261+/-0.005 χ²/NDF: 5486976.2/37

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: -0.051+/-0.059 χ^2/NDF:0.5/1

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.069+/-0.054 χ^2/NDF:0.0/0

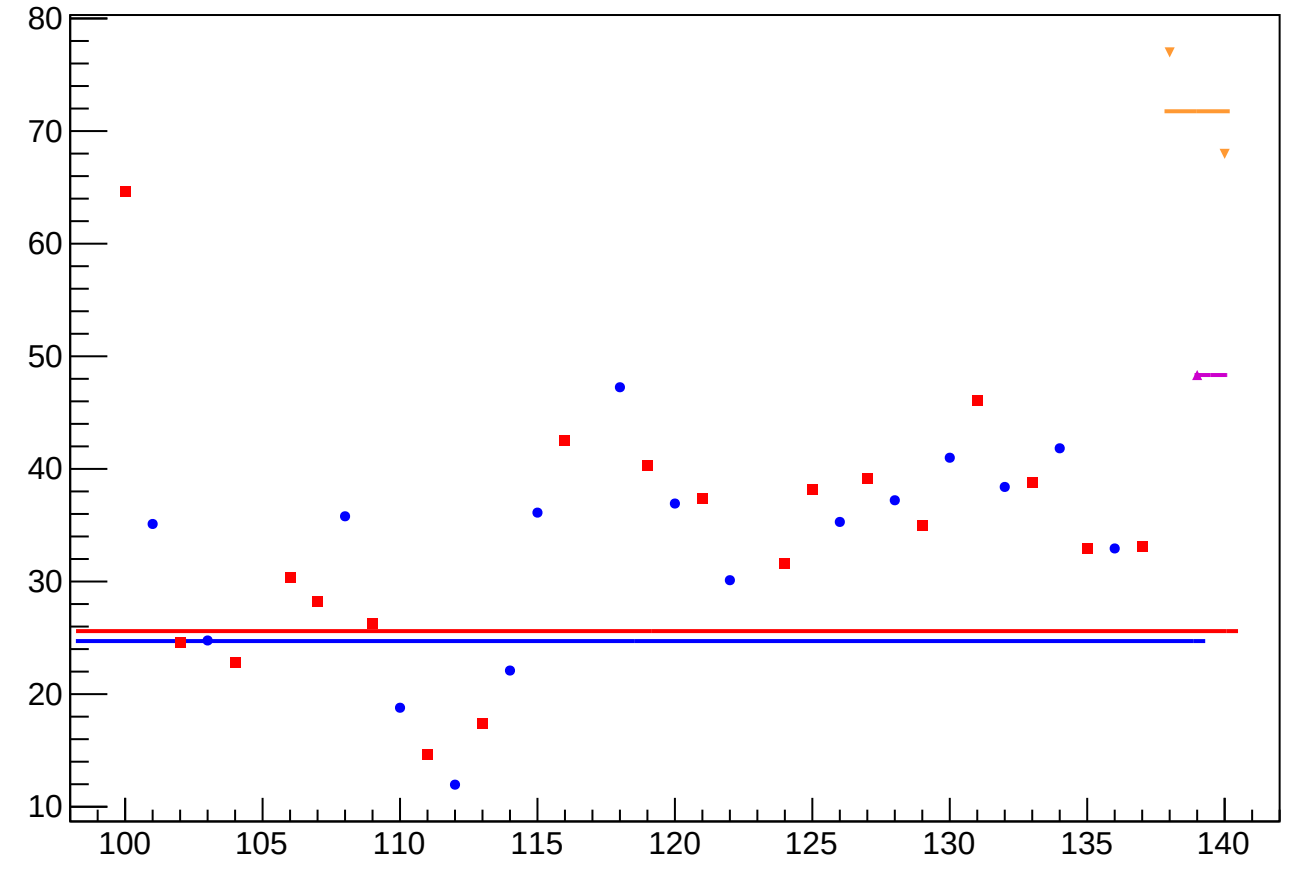
Left: 0.015+/-0.040 χ^2/NDF: 2.8/2

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.010 χ^2/NDF:17.1/16

Out: 0.003+/-0.010 χ^2/NDF:15.0/20

All: 0.015+/-0.007 χ^2/NDF: 34.9/37



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 71.758+/-0.042 χ^2/NDF:11343.3/1

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 48.337+/-0.038 χ^2/NDF:0.0/0

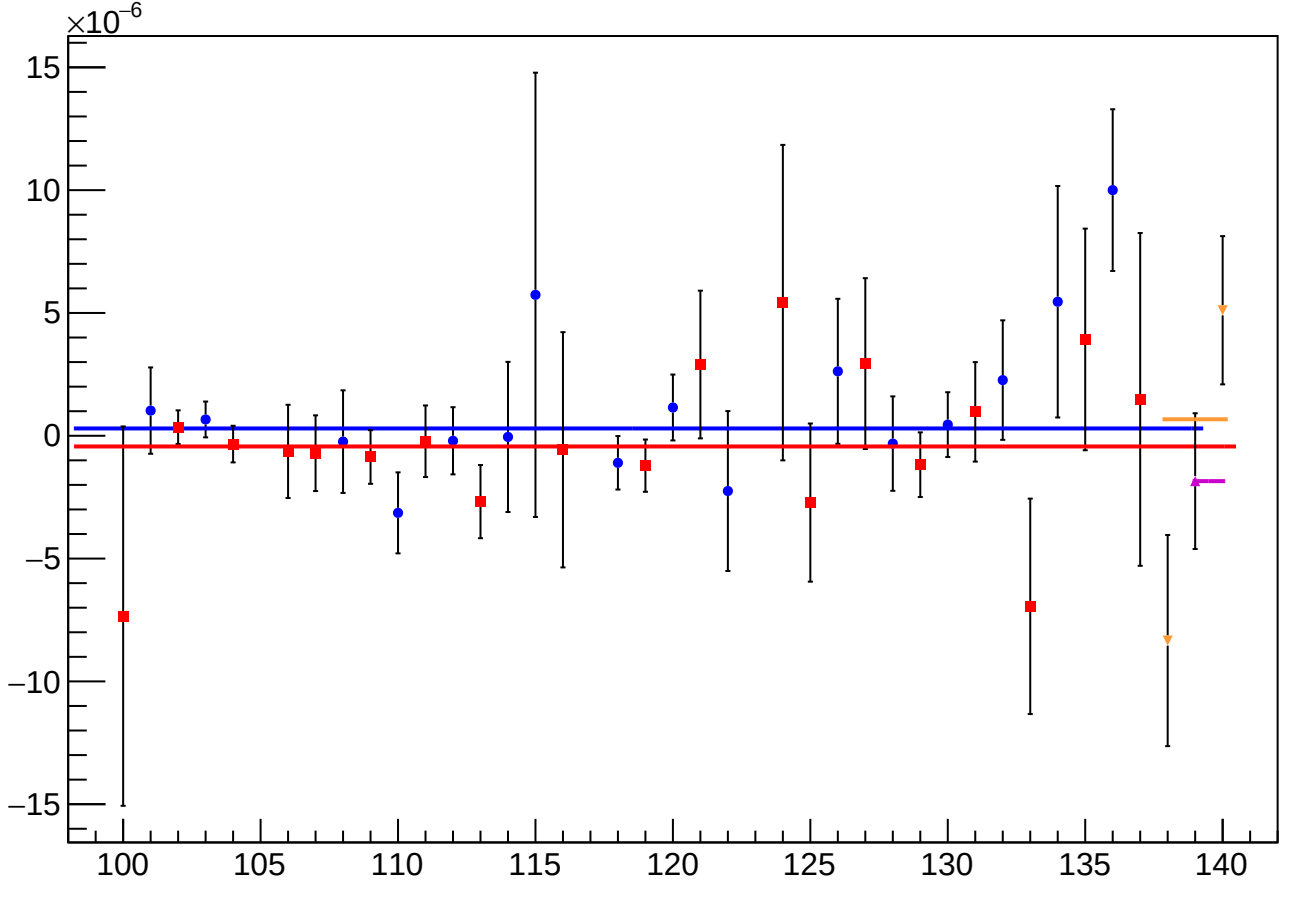
Left: 58.999+/-0.028 χ^2/NDF: 182801.6/2

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 25.551+/-0.007 χ^2/NDF:2664777.8/16

Out: 26.973+/-0.007 χ^2/NDF:2802703.5/20

All: 26.261+/-0.005 χ^2/NDF: 5486976.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

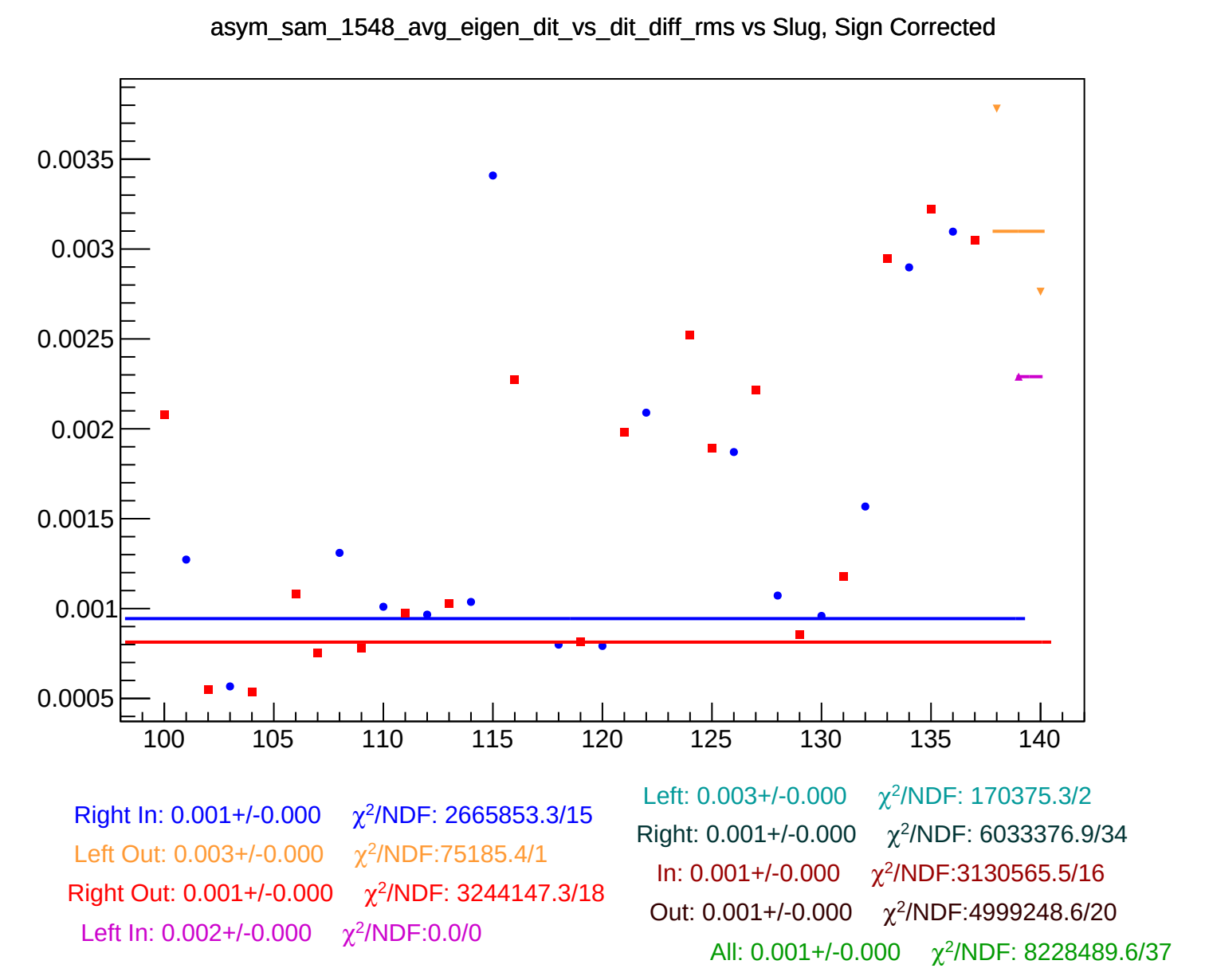
Left: -0.000+/-0.000 χ^2/NDF: 7.0/2

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:19.9/16

Out: -0.000+/-0.000 χ^2/NDF:19.4/20

All: -0.000+/-0.000 χ^2/NDF: 41.0/37


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
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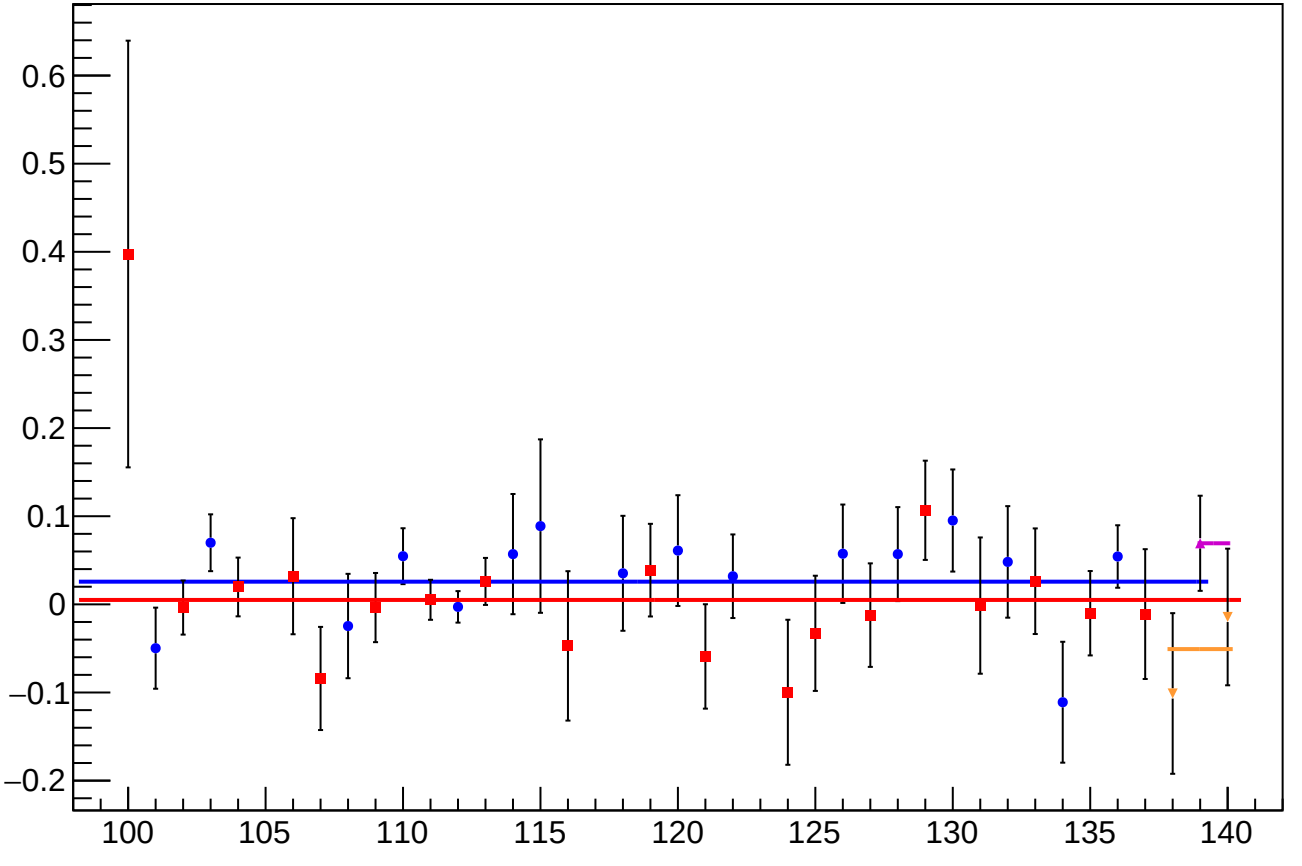
135
140
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.003+/-0.000 χ²/NDF:75185.4/1
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:0.0/0
Left: 0.003+/-0.000 χ²/NDF: 170375.3/2
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:3130565.5/16
Out: 0.001+/-0.000 χ²/NDF:4999248.6/20
All: 0.001+/-0.000 χ²/NDF: 8228489.6/37

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.051+/-0.059 χ^2/NDF:0.5/1

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.069+/-0.054 χ^2/NDF:0.0/0

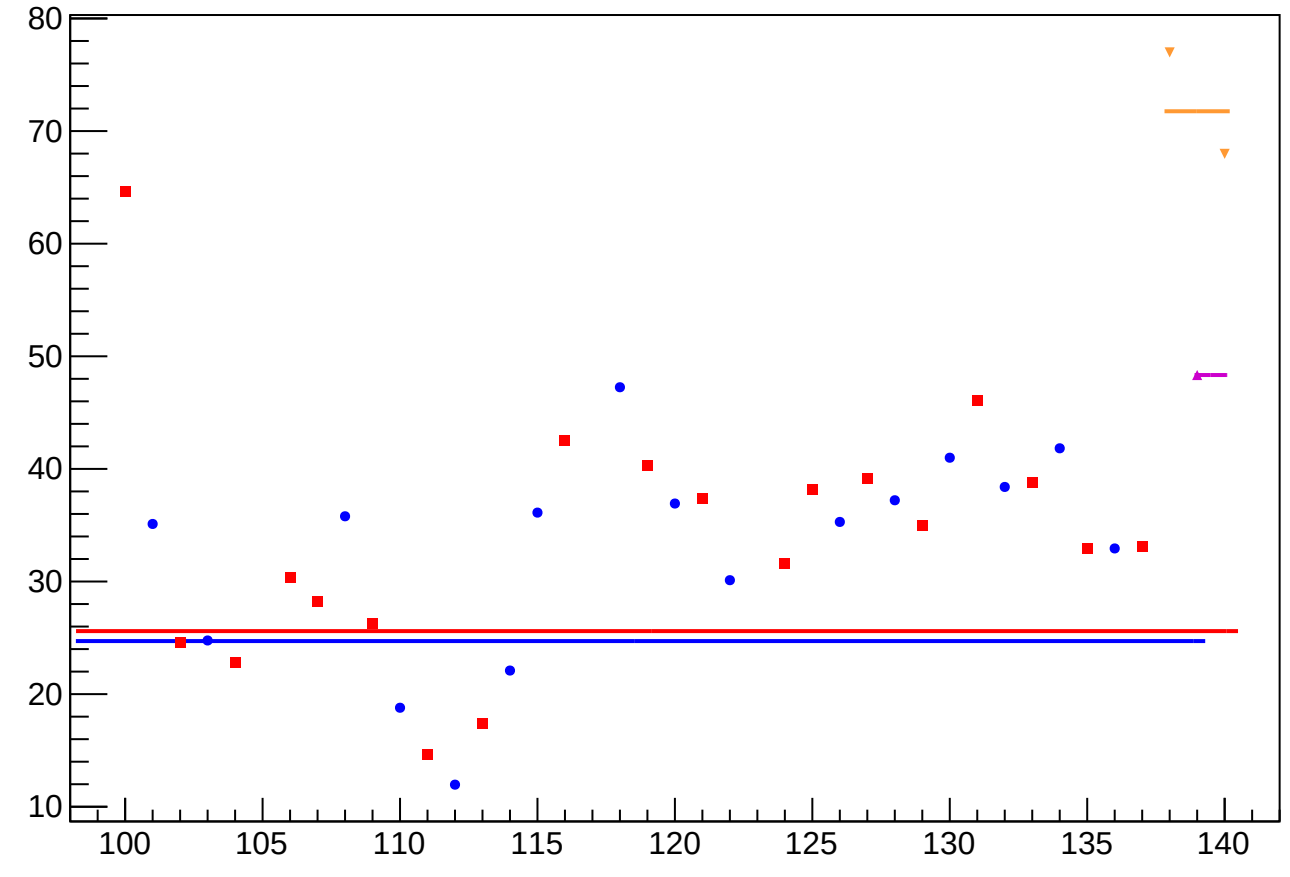
Left: 0.015+/-0.040 χ^2/NDF: 2.8/2

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.010 χ^2/NDF:17.1/16

Out: 0.003+/-0.010 χ^2/NDF:15.0/20

All: 0.015+/-0.007 χ^2/NDF: 34.9/37



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 71.759+/-0.042 χ^2/NDF:11340.9/1

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 48.337+/-0.038 χ^2/NDF:0.0/0

Left: 58.999+/-0.028 χ^2/NDF: 182803.1/2

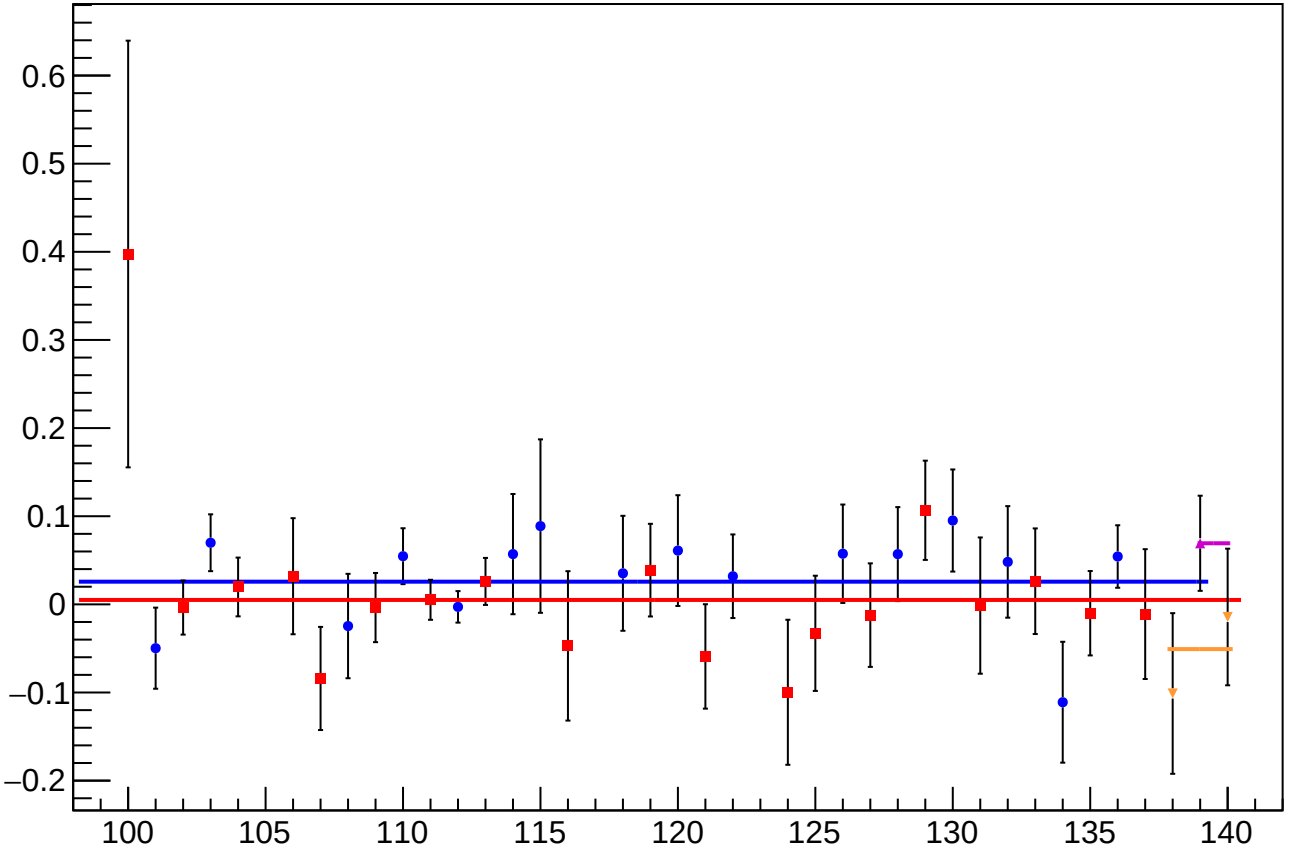
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 25.551+/-0.007 χ^2/NDF:2664974.4/16

Out: 26.973+/-0.007 χ^2/NDF:2802885.7/20

All: 26.260+/-0.005 χ^2/NDF: 5487359.2/37

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.051+/-0.059 χ^2/NDF:0.5/1

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.069+/-0.054 χ^2/NDF:0.0/0

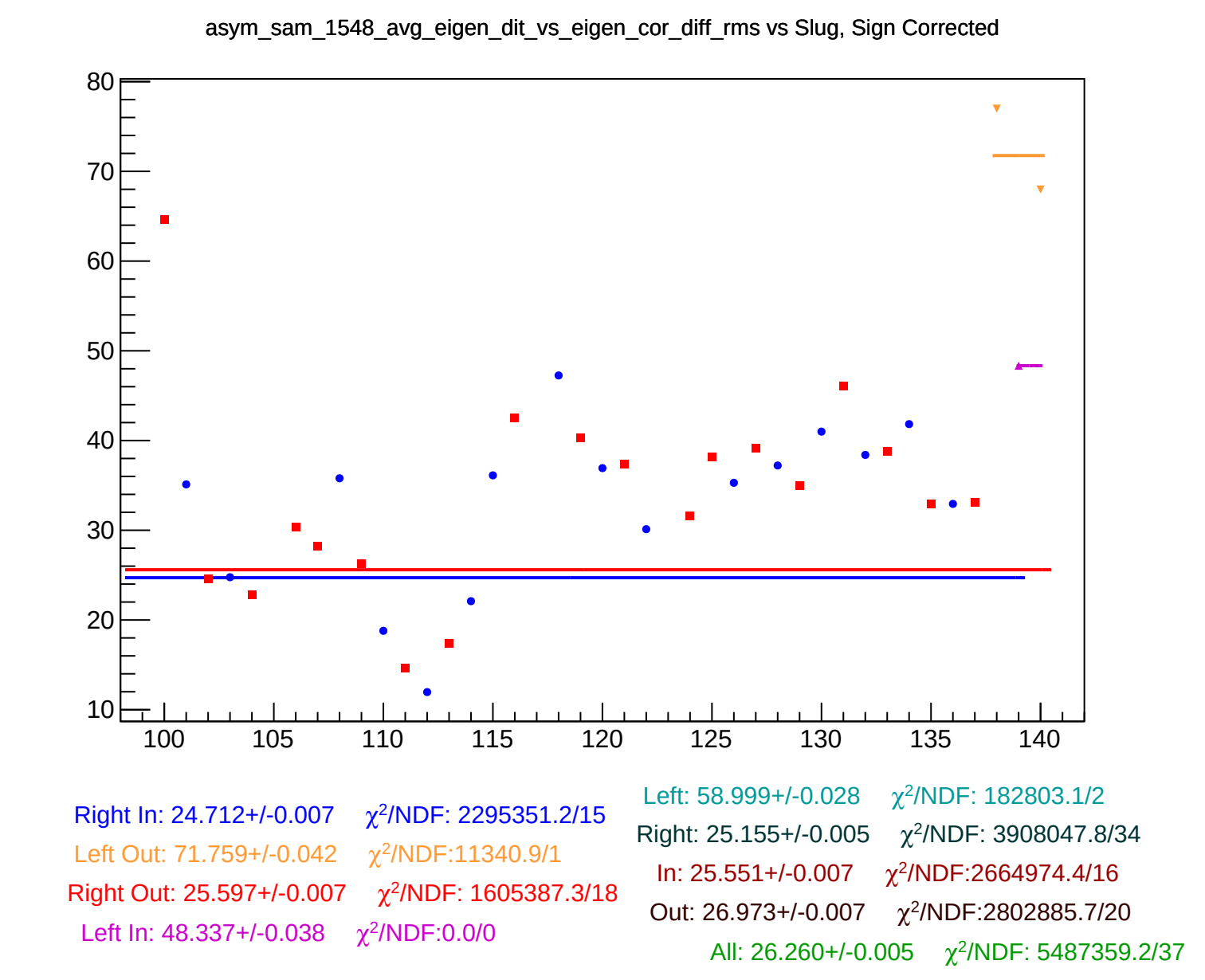
Left: 0.015+/-0.040 χ^2/NDF: 2.8/2

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.010 χ^2/NDF:17.1/16

Out: 0.003+/-0.010 χ^2/NDF:15.0/20

All: 0.015+/-0.007 χ^2/NDF: 34.9/37


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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135
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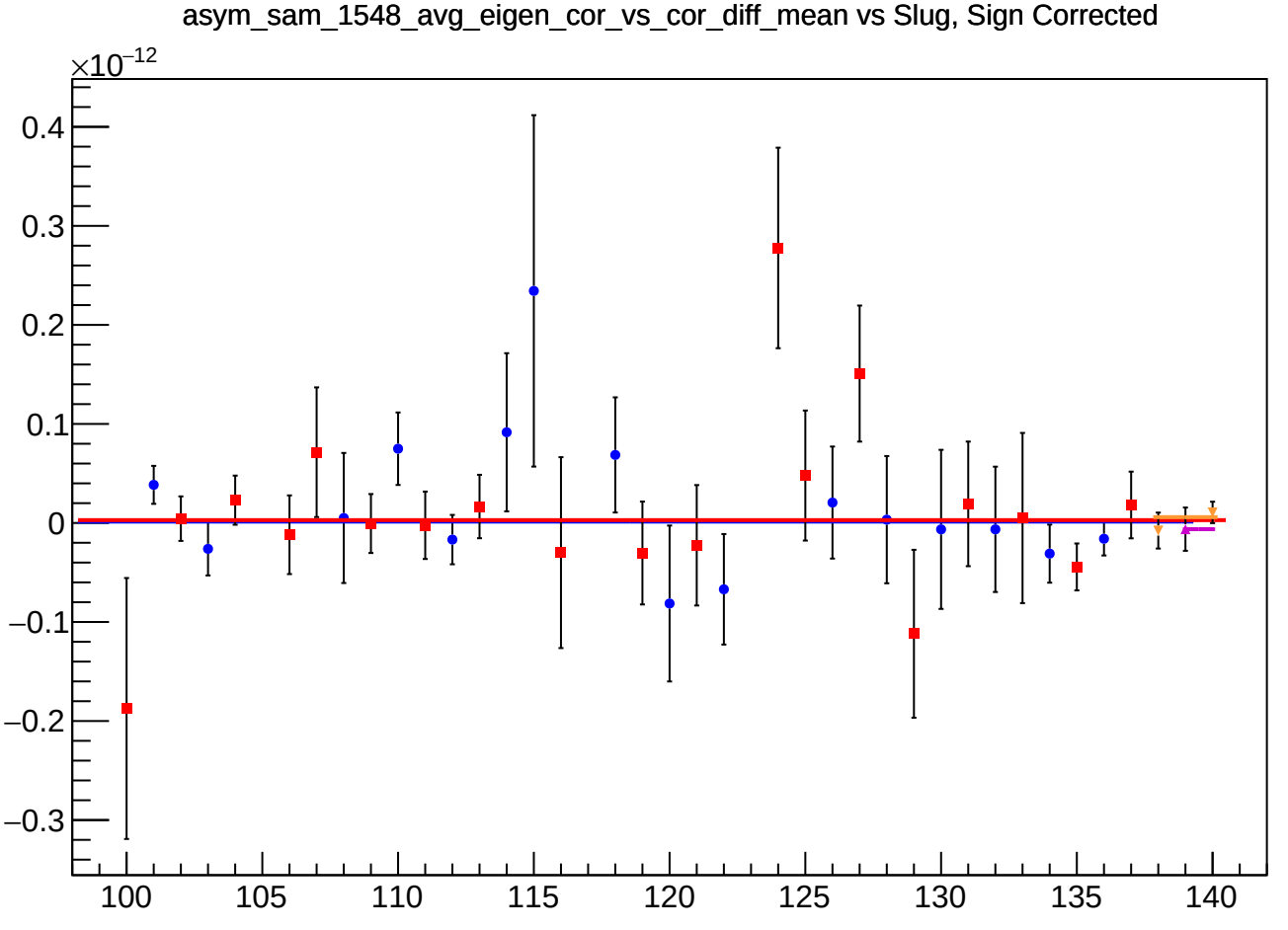
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 71.759+/-0.042 χ²/NDF:11340.9/1
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 48.337+/-0.038 χ²/NDF:0.0/0
Left: 58.999+/-0.028 χ²/NDF: 182803.1/2
Right: 25.155+/-0.005 χ²/NDF: 3908047.8/34
In: 25.551+/-0.007 χ²/NDF:2664974.4/16
Out: 26.973+/-0.007 χ²/NDF:2802885.7/20
All: 26.260+/-0.005 χ²/NDF: 5487359.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

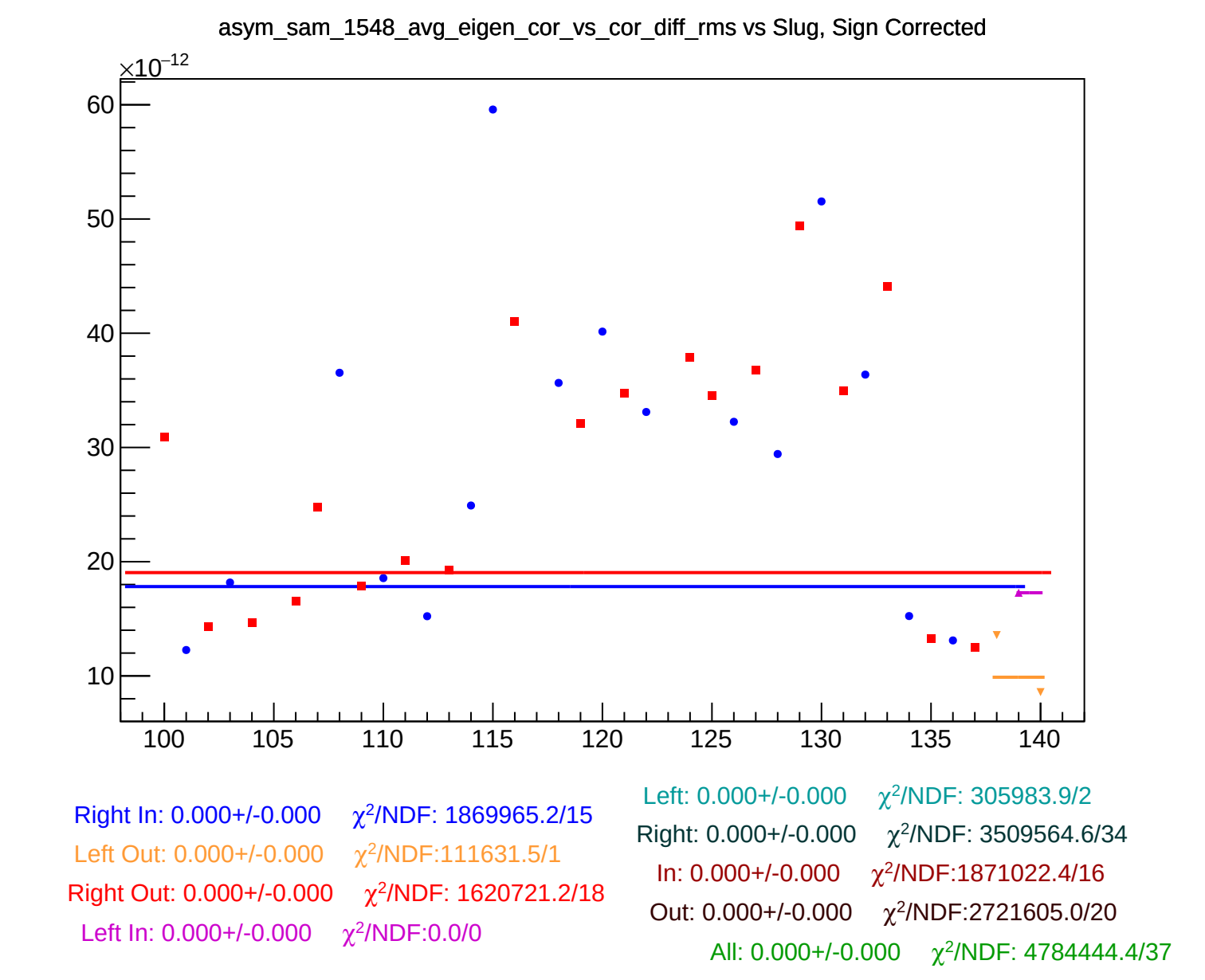
Left: 0.000+/-0.000 χ^2/NDF: 1.0/2

Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:18.8/16

Out: 0.000+/-0.000 χ^2/NDF:24.3/20

All: 0.000+/-0.000 χ^2/NDF: 43.3/37


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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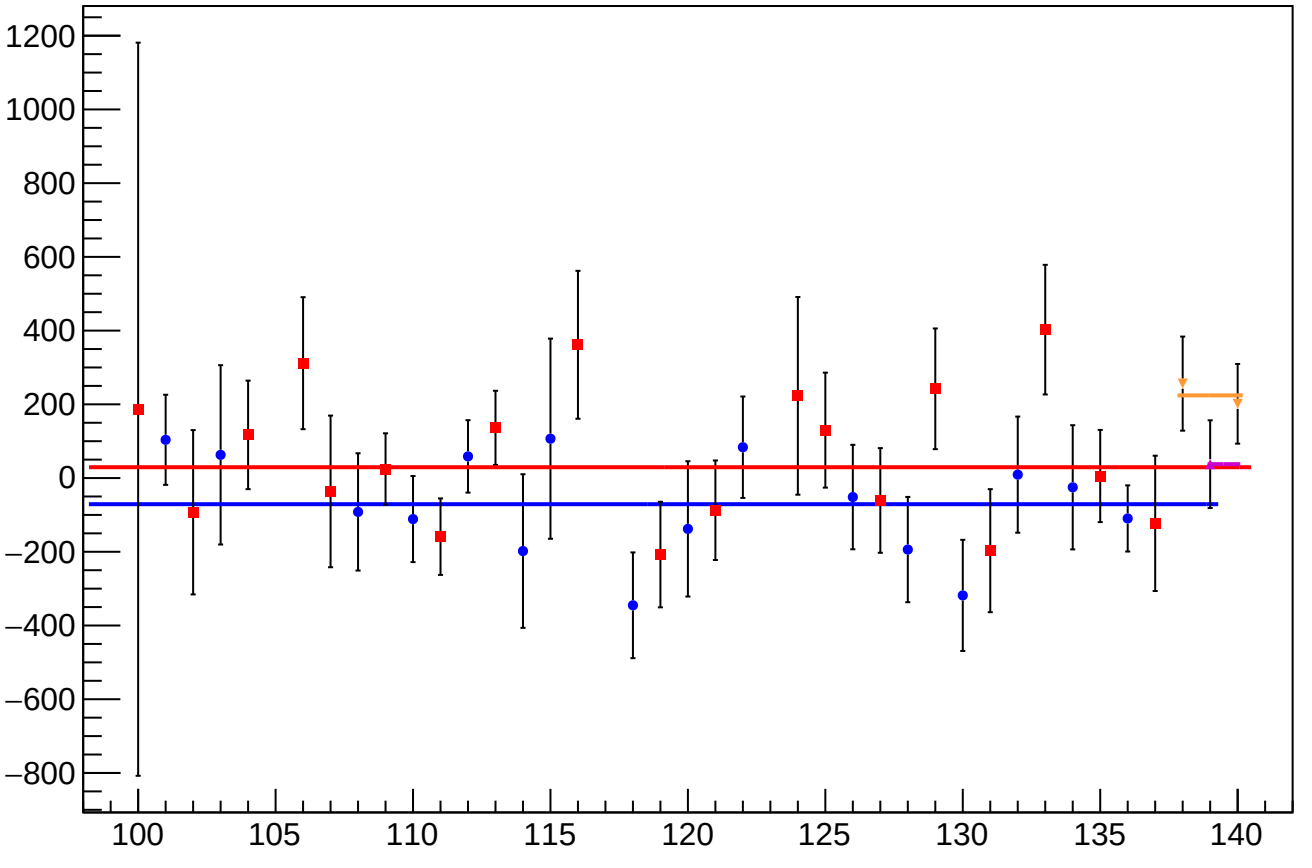
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:111631.5/1
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 305983.9/2
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:1871022.4/16
Out: 0.000+/-0.000 χ²/NDF:2721605.0/20
All: 0.000+/-0.000 χ²/NDF: 4784444.4/37



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 224.324+/-82.494 χ^2/NDF:0.1/1

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 37.654+/-119.038 χ^2/NDF:0.0/0

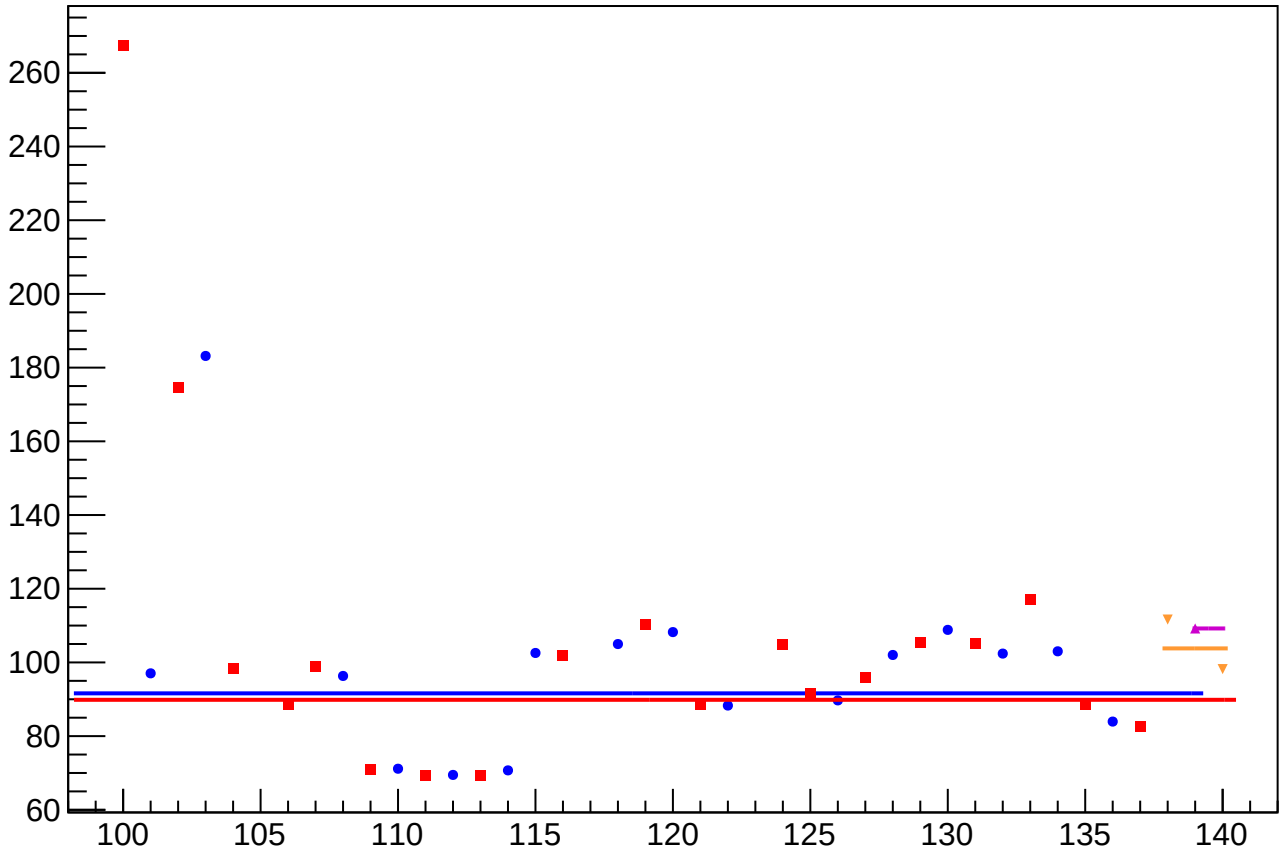
Left: 163.760+/-67.804 χ^2/NDF: 1.8/2

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: -62.199+/-33.686 χ^2/NDF:14.8/16

Out: 58.058+/-31.627 χ^2/NDF:28.9/20

All: 1.718+/-23.057 χ^2/NDF: 50.5/37



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 103.804+/-0.058 χ^2/NDF:12923.4/1

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 109.217+/-0.084 χ^2/NDF:0.0/0

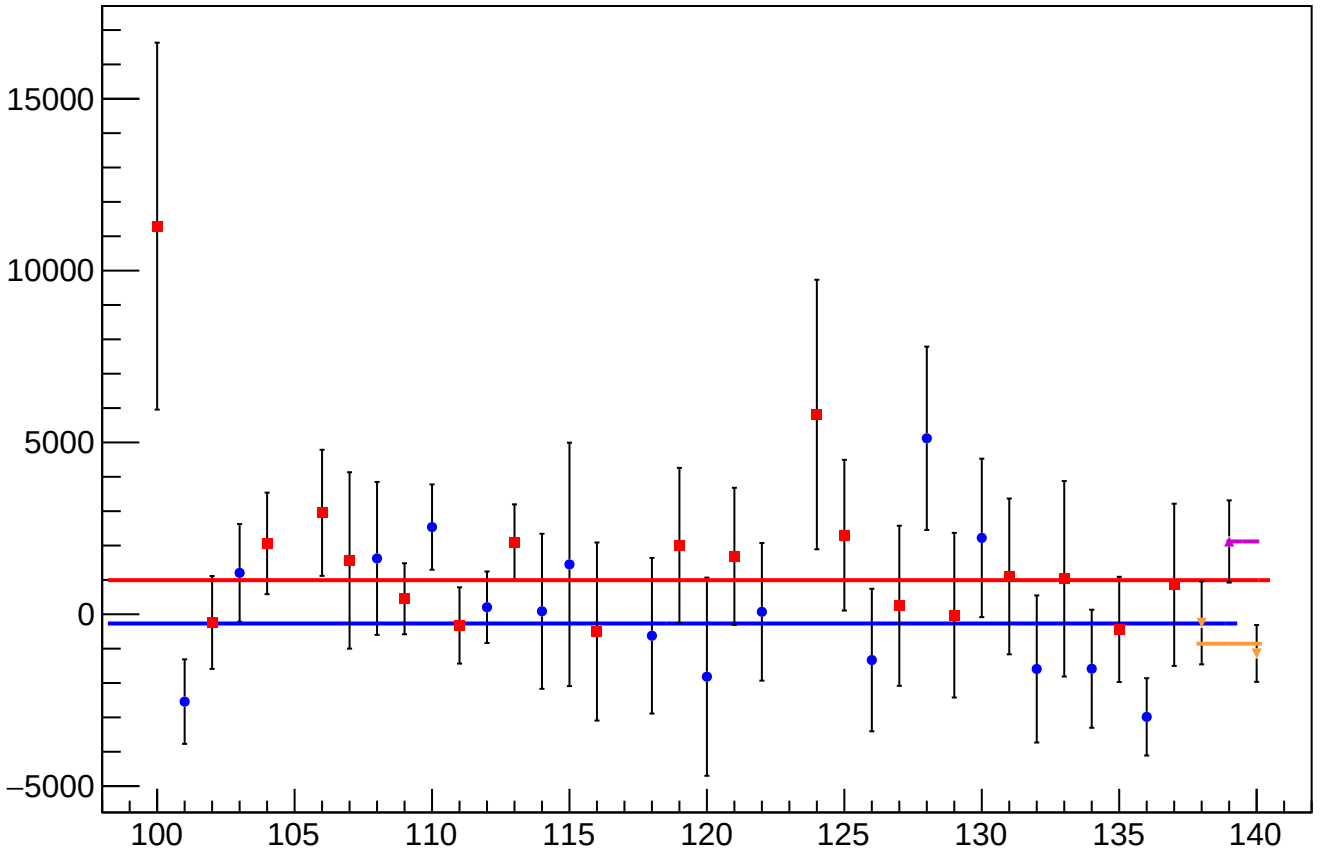
Left: 105.560+/-0.048 χ^2/NDF: 15717.2/2

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 93.018+/-0.024 χ^2/NDF:620933.2/16

Out: 91.905+/-0.022 χ^2/NDF:807994.6/20

All: 92.426+/-0.016 χ^2/NDF: 1430089.2/37



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -855.688+/-681.863 χ^2/NDF:0.4/1

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 2118.574+/-1195.874 χ^2/NDF:0.0/0

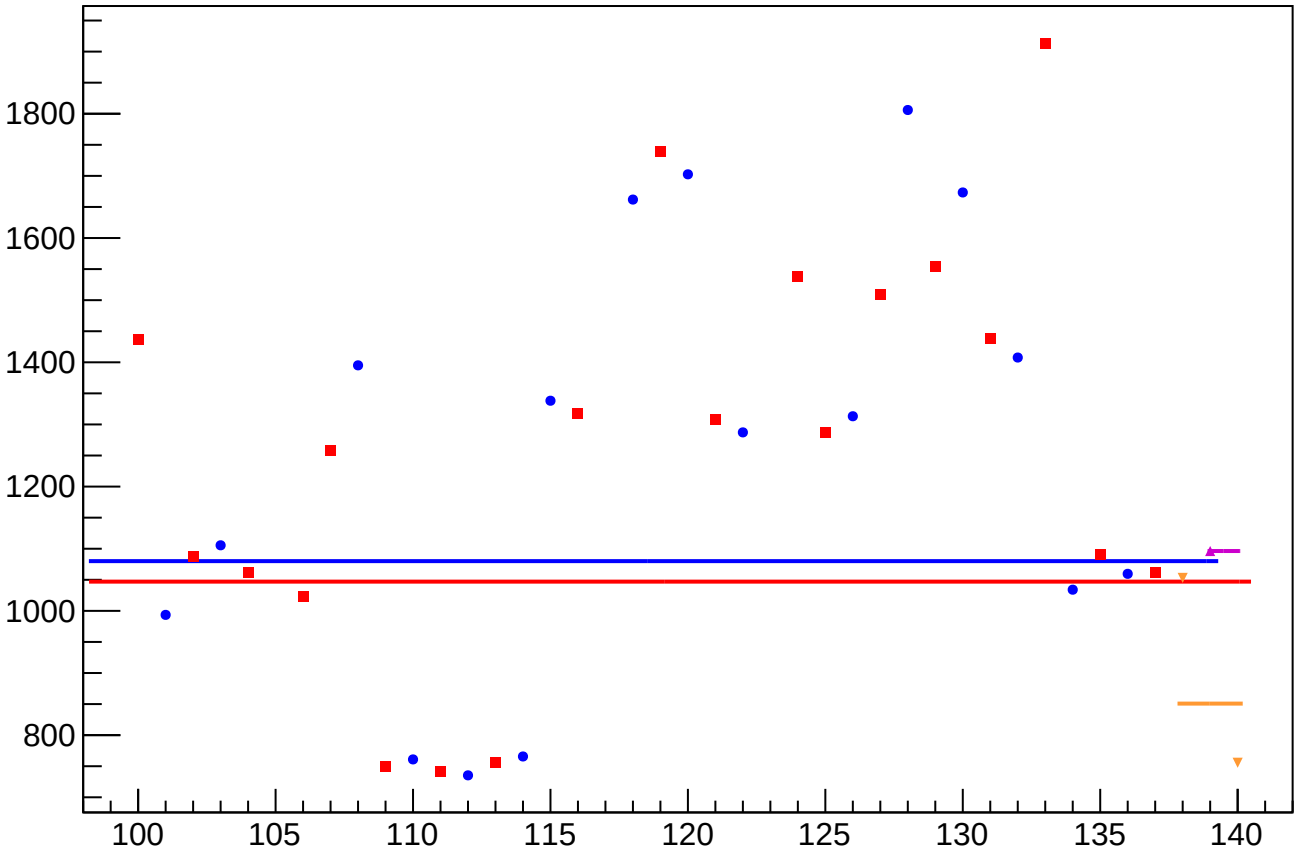
Left: -125.975+/-592.341 χ^2/NDF: 5.0/2

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: -6.848+/-395.916 χ^2/NDF:27.0/16

Out: 517.992+/-345.544 χ^2/NDF:18.5/20

All: 291.064+/-260.336 χ^2/NDF: 46.5/37



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 850.765+/-0.482 χ^2/NDF:82820.6/1

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 1096.313+/-0.846 χ^2/NDF:0.0/0

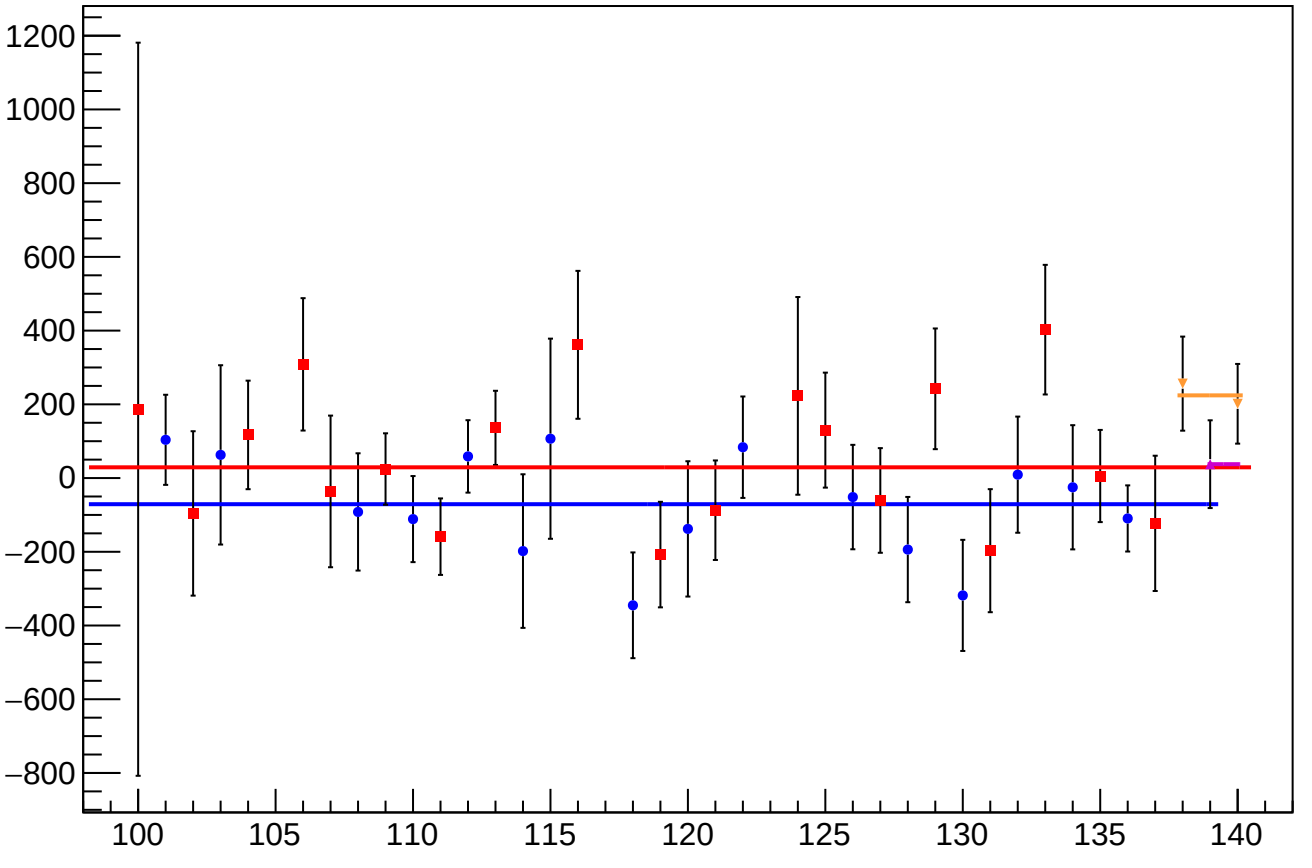
Left: 911.008+/-0.419 χ^2/NDF: 146453.7/2

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 1081.828+/-0.280 χ^2/NDF:1053798.0/16

Out: 996.655+/-0.244 χ^2/NDF:1404660.5/20

All: 1033.482+/-0.184 χ^2/NDF: 2510998.6/37



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 224.340+/-82.494 χ^2/NDF:0.1/1

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 37.658+/-119.038 χ^2/NDF:0.0/0

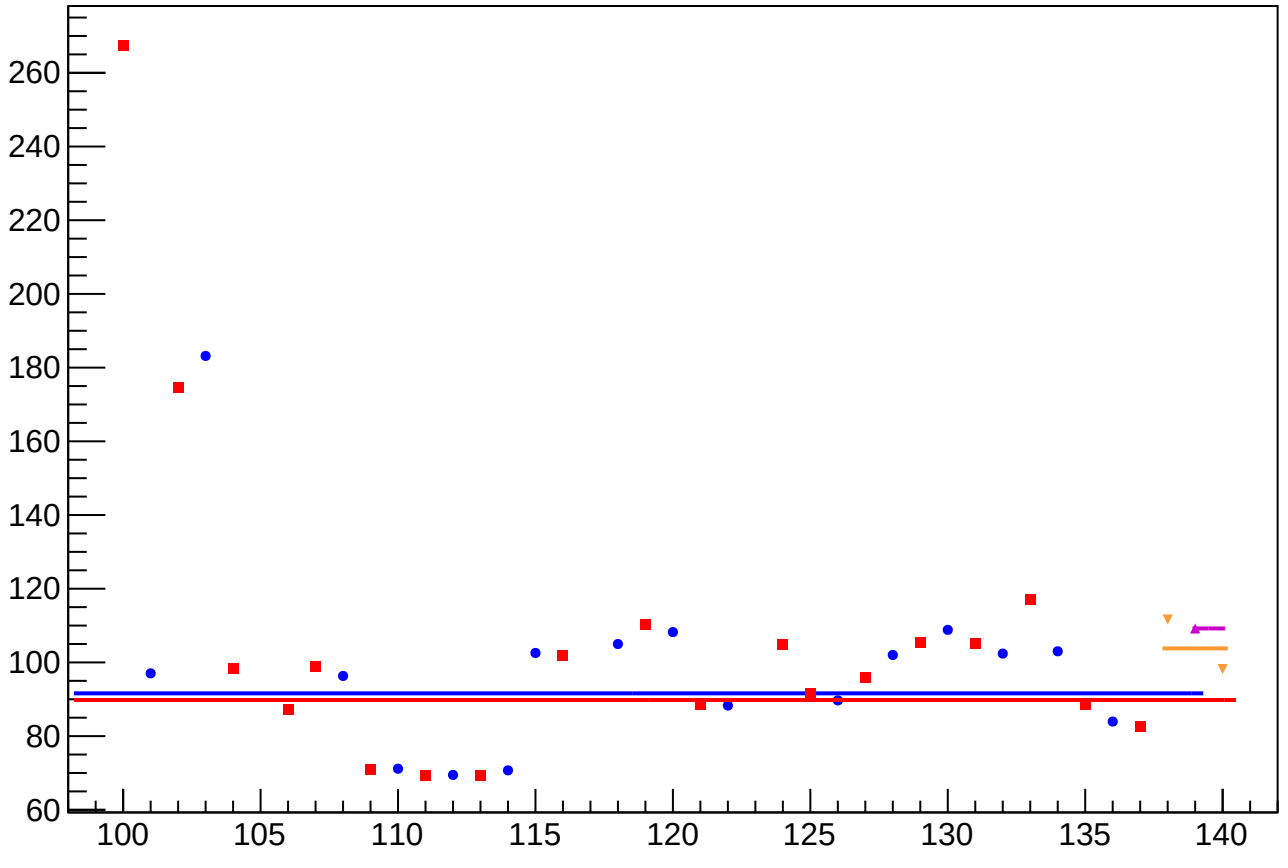
Left: 163.772+/-67.804 χ^2/NDF: 1.8/2

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -62.209+/-33.686 χ^2/NDF:14.8/16

Out: 57.853+/-31.630 χ^2/NDF:28.8/20

All: 1.598+/-23.058 χ^2/NDF: 50.4/37



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 103.804+/-0.058 χ^2/NDF:12923.4/1

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 109.217+/-0.084 χ^2/NDF:0.0/0

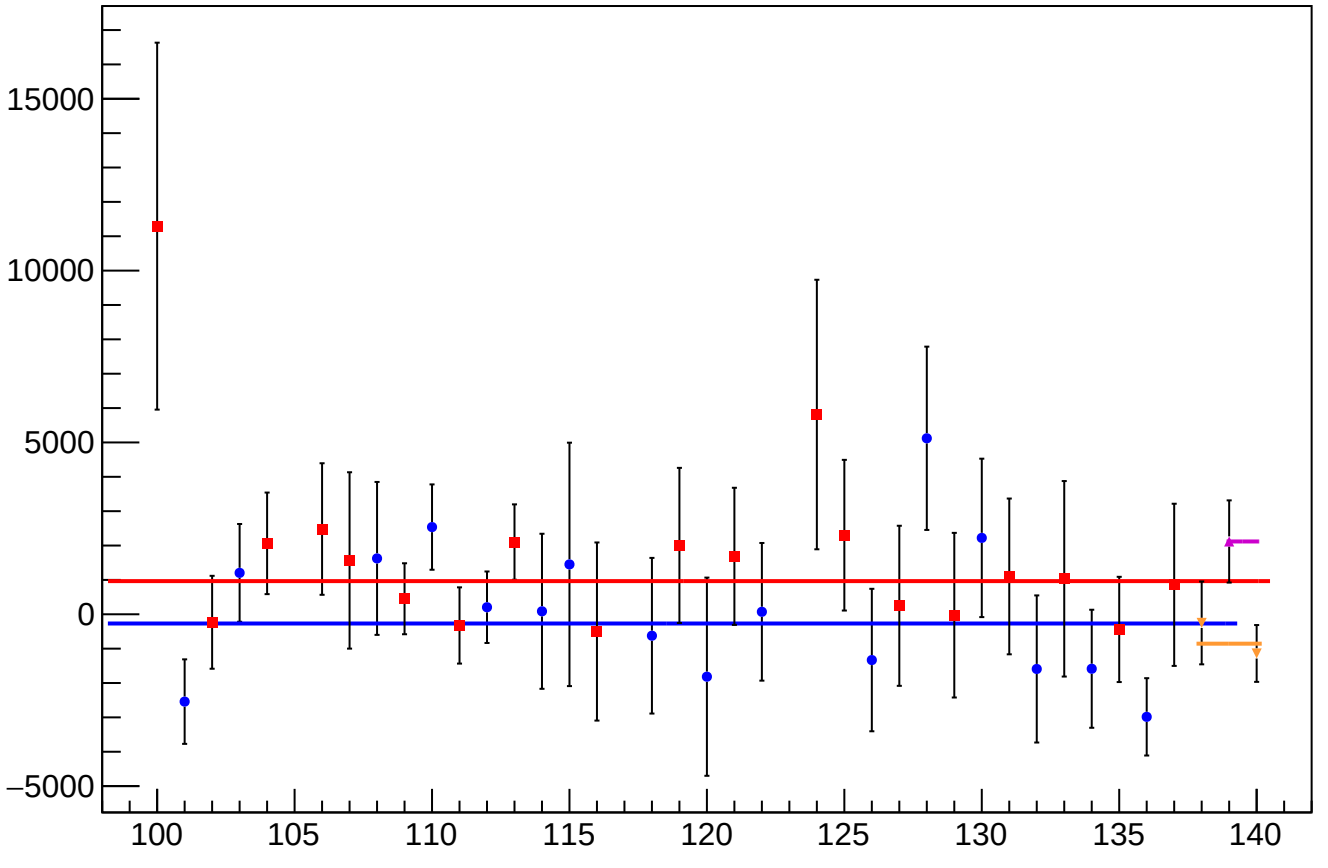
Left: 105.560+/-0.048 χ^2/NDF: 15717.2/2

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 93.018+/-0.024 χ^2/NDF:620936.4/16

Out: 91.865+/-0.022 χ^2/NDF:808869.6/20

All: 92.405+/-0.016 χ^2/NDF: 1431052.3/37



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -855.675+/-681.862 χ^2/NDF:0.4/1

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 2118.584+/-1195.873 χ^2/NDF:0.0/0

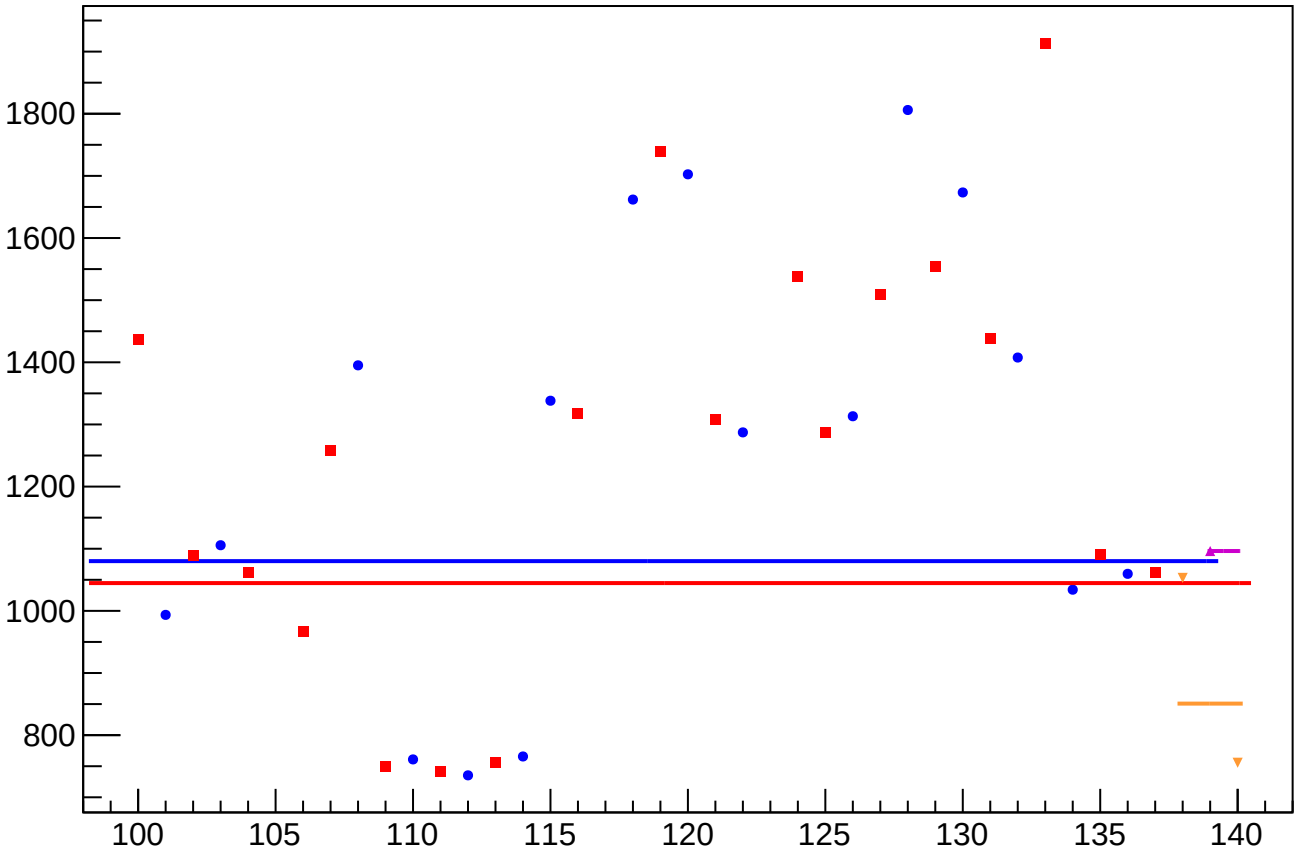
Left: -125.963+/-592.341 χ^2/NDF: 5.0/2

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -6.861+/-395.919 χ^2/NDF:27.0/16

Out: 496.018+/-346.062 χ^2/NDF:17.8/20

All: 278.217+/-260.558 χ^2/NDF: 45.7/37



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 850.764+/-0.482 χ^2/NDF:82820.4/1

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 1096.312+/-0.846 χ^2/NDF:0.0/0

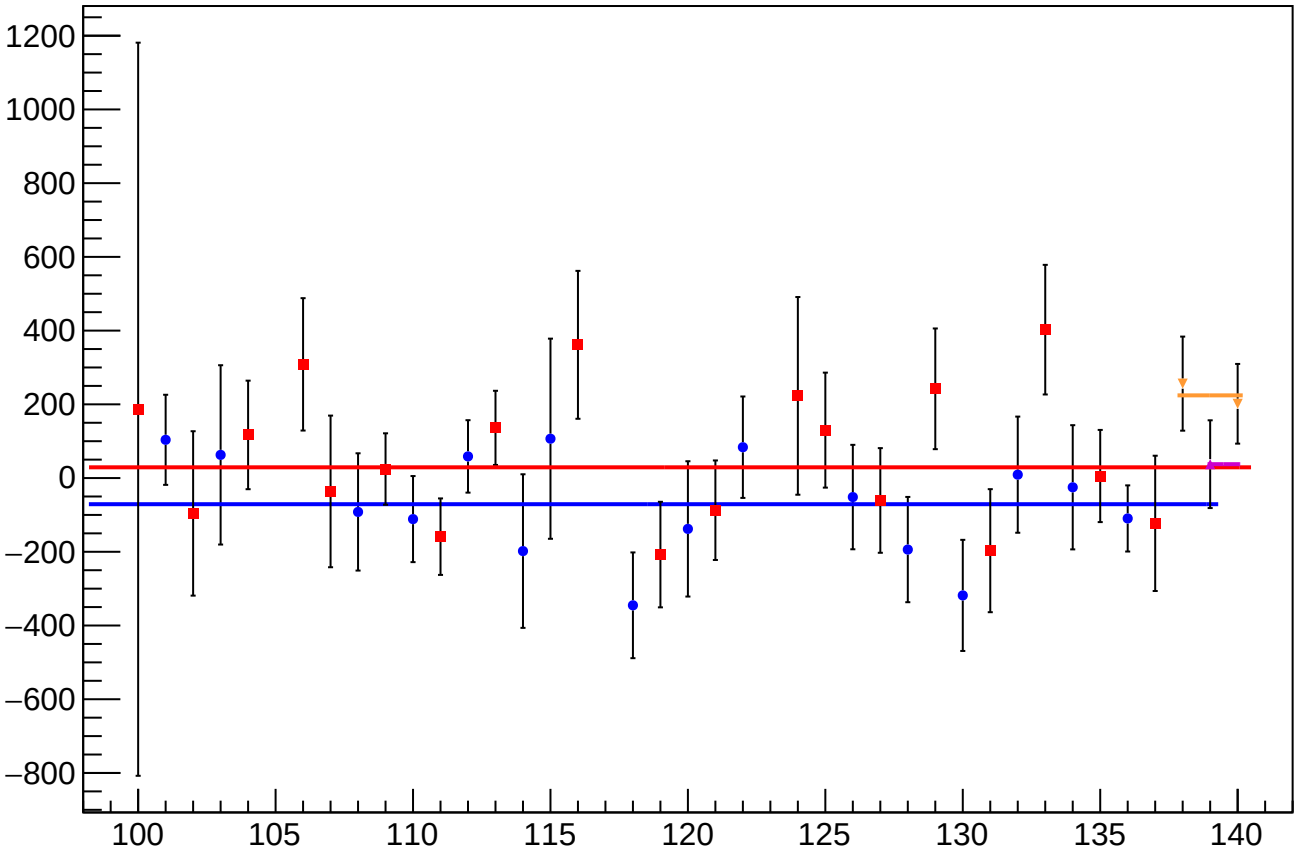
Left: 911.007+/-0.419 χ^2/NDF: 146453.6/2

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 1081.836+/-0.280 χ^2/NDF:1053804.1/16

Out: 994.758+/-0.245 χ^2/NDF:1404783.1/20

All: 1032.472+/-0.184 χ^2/NDF: 2513431.7/37



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 224.340+/-82.494 χ^2/NDF:0.1/1

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 37.658+/-119.038 χ^2/NDF:0.0/0

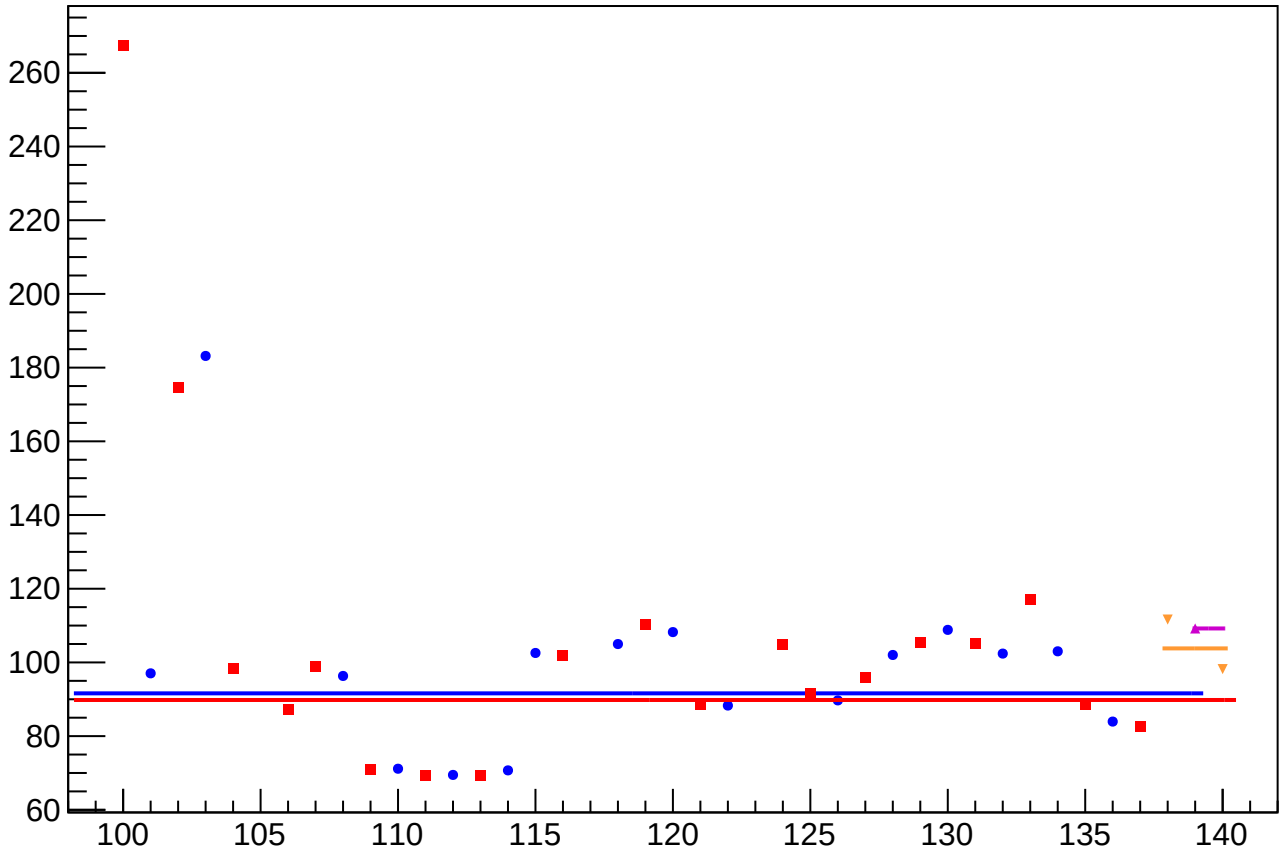
Left: 163.772+/-67.804 χ^2/NDF: 1.8/2

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -62.209+/-33.686 χ^2/NDF:14.8/16

Out: 57.853+/-31.630 χ^2/NDF:28.8/20

All: 1.598+/-23.058 χ^2/NDF: 50.4/37



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 103.804+/-0.058 χ^2/NDF:12923.4/1

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 109.217+/-0.084 χ^2/NDF:0.0/0

Left: 105.560+/-0.048 χ^2/NDF: 15717.2/2

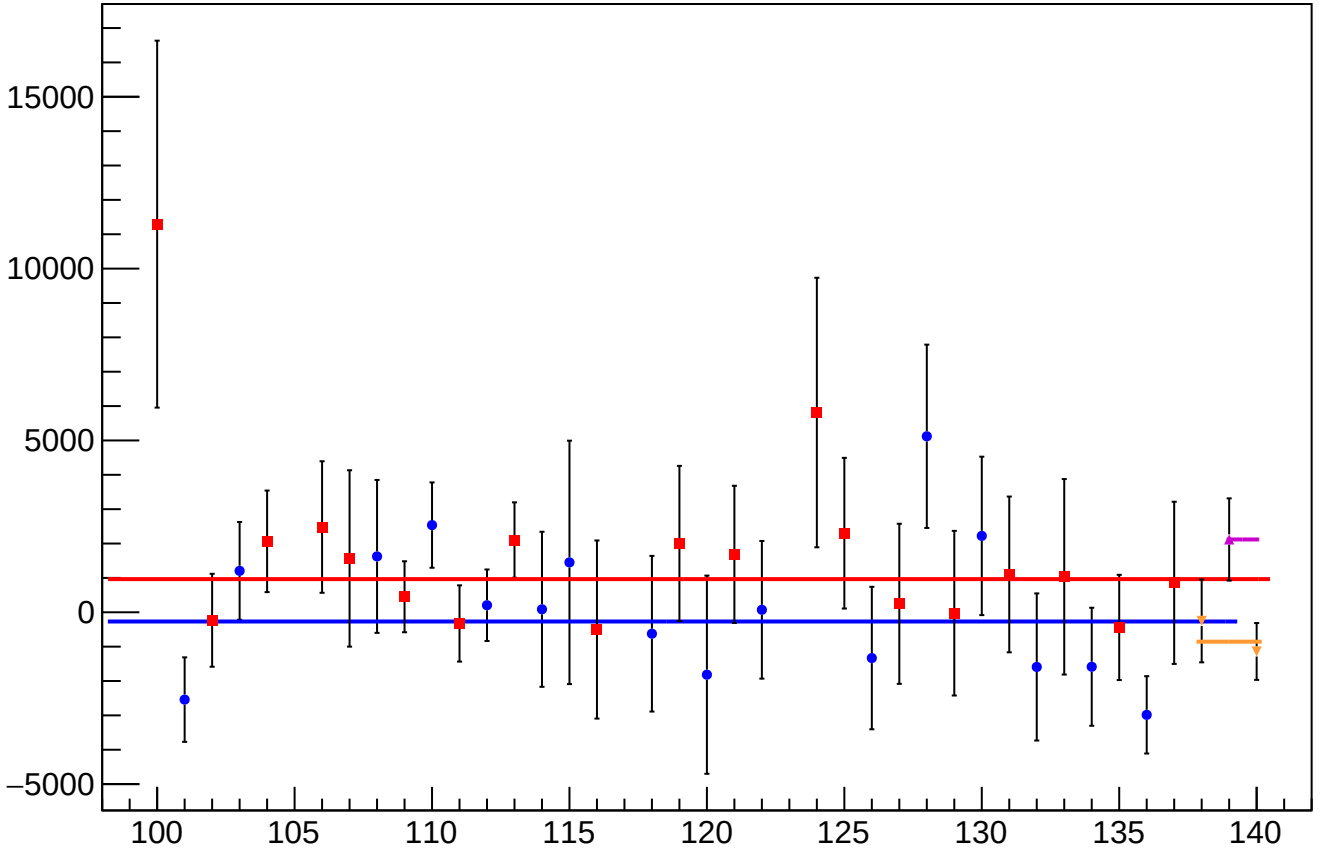
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 93.018+/-0.024 χ^2/NDF:620936.4/16

Out: 91.865+/-0.022 χ^2/NDF:808869.6/20

All: 92.405+/-0.016 χ^2/NDF: 1431052.3/37

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: -855.675+/-681.862 χ^2/NDF:0.4/1

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 2118.584+/-1195.873 χ^2/NDF:0.0/0

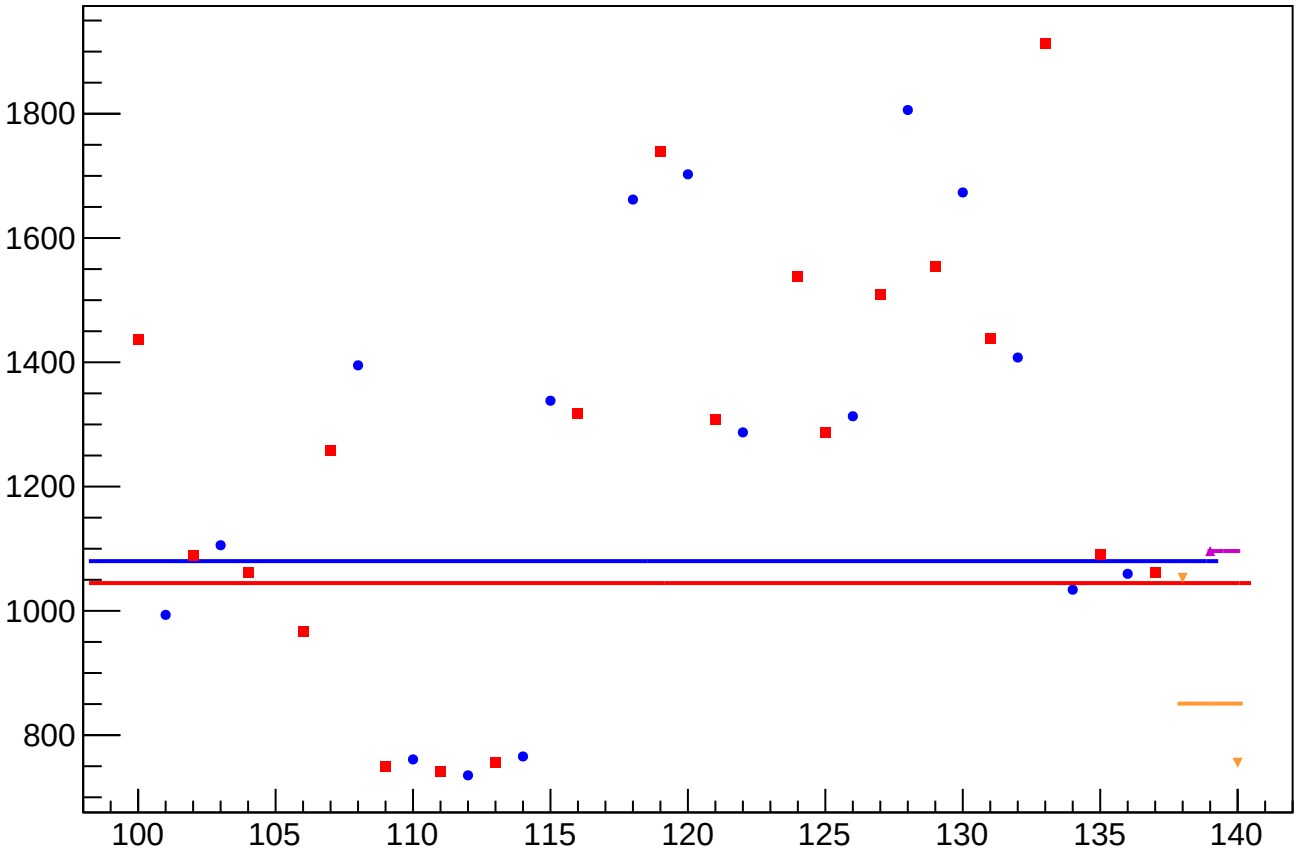
Left: -125.963+/-592.341 χ^2/NDF: 5.0/2

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -6.861+/-395.919 χ^2/NDF:27.0/16

Out: 496.018+/-346.062 χ^2/NDF:17.8/20

All: 278.217+/-260.558 χ^2/NDF: 45.7/37



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 850.764+/-0.482 χ^2/NDF:82820.4/1

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 1096.312+/-0.846 χ^2/NDF:0.0/0

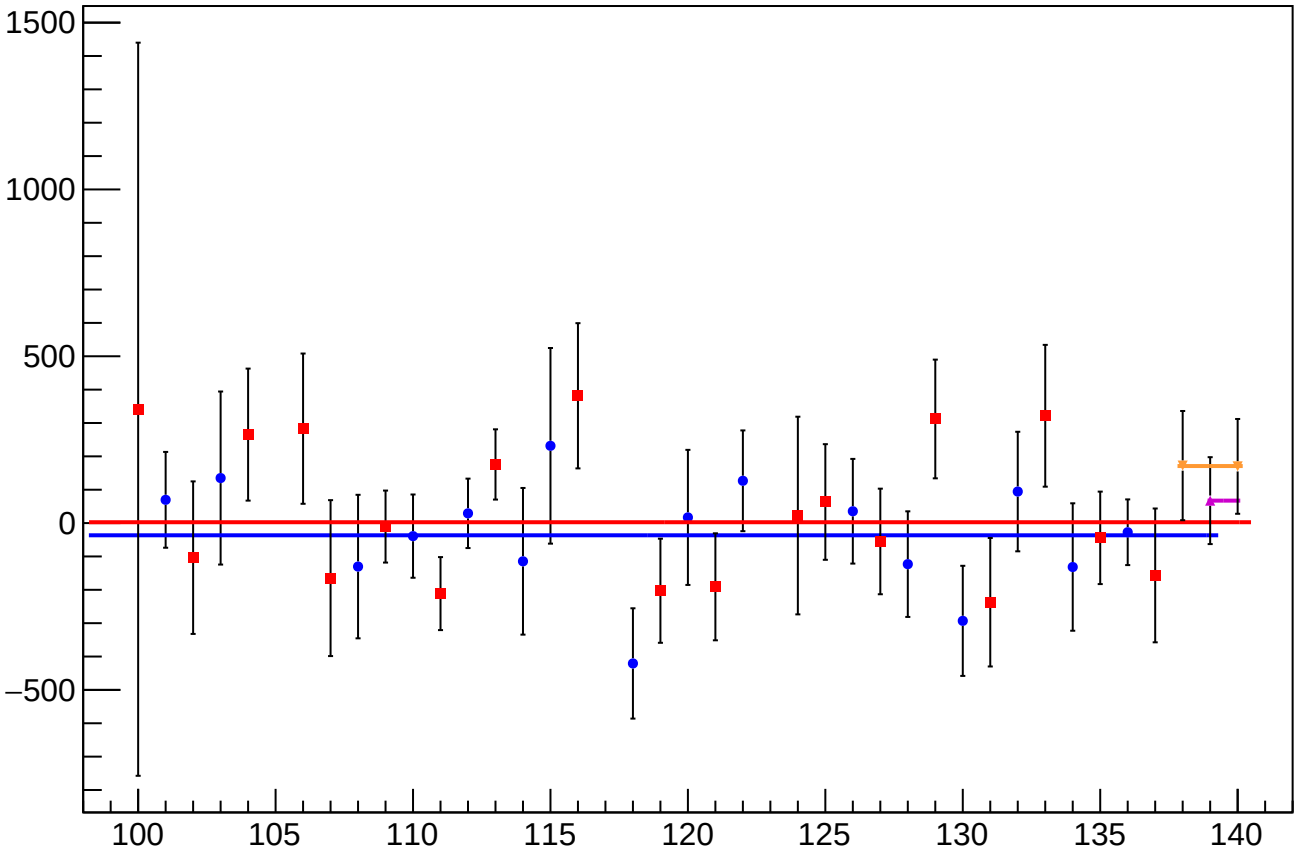
Left: 911.007+/-0.419 χ^2/NDF: 146453.6/2

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 1081.836+/-0.280 χ^2/NDF:1053804.1/16

Out: 994.758+/-0.245 χ^2/NDF:1404783.1/20

All: 1032.472+/-0.184 χ^2/NDF: 2513431.7/37



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 170.972+/-107.289 χ^2/NDF:0.0/1

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 67.295+/-130.243 χ^2/NDF:0.0/0

Left: 129.060+/-82.810 χ^2/NDF: 0.4/2

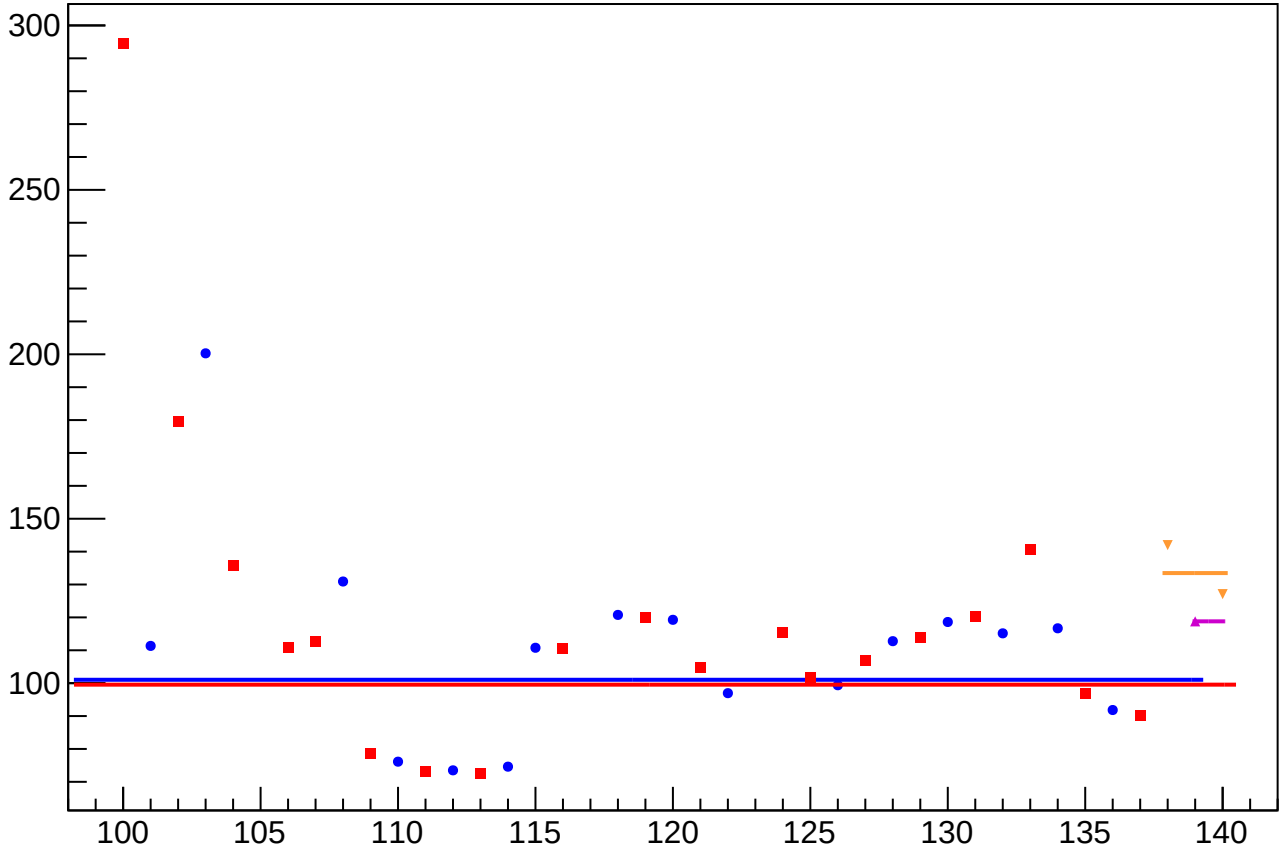
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: -28.046+/-37.353 χ^2/NDF:13.5/16

Out: 21.484+/-35.957 χ^2/NDF:26.9/20

All: -2.339+/-25.905 χ^2/NDF: 41.3/37

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 133.478+/-0.076 χ^2/NDF:9459.3/1

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 118.798+/-0.092 χ^2/NDF:0.0/0

Left: 127.544+/-0.059 χ^2/NDF: 24594.8/2

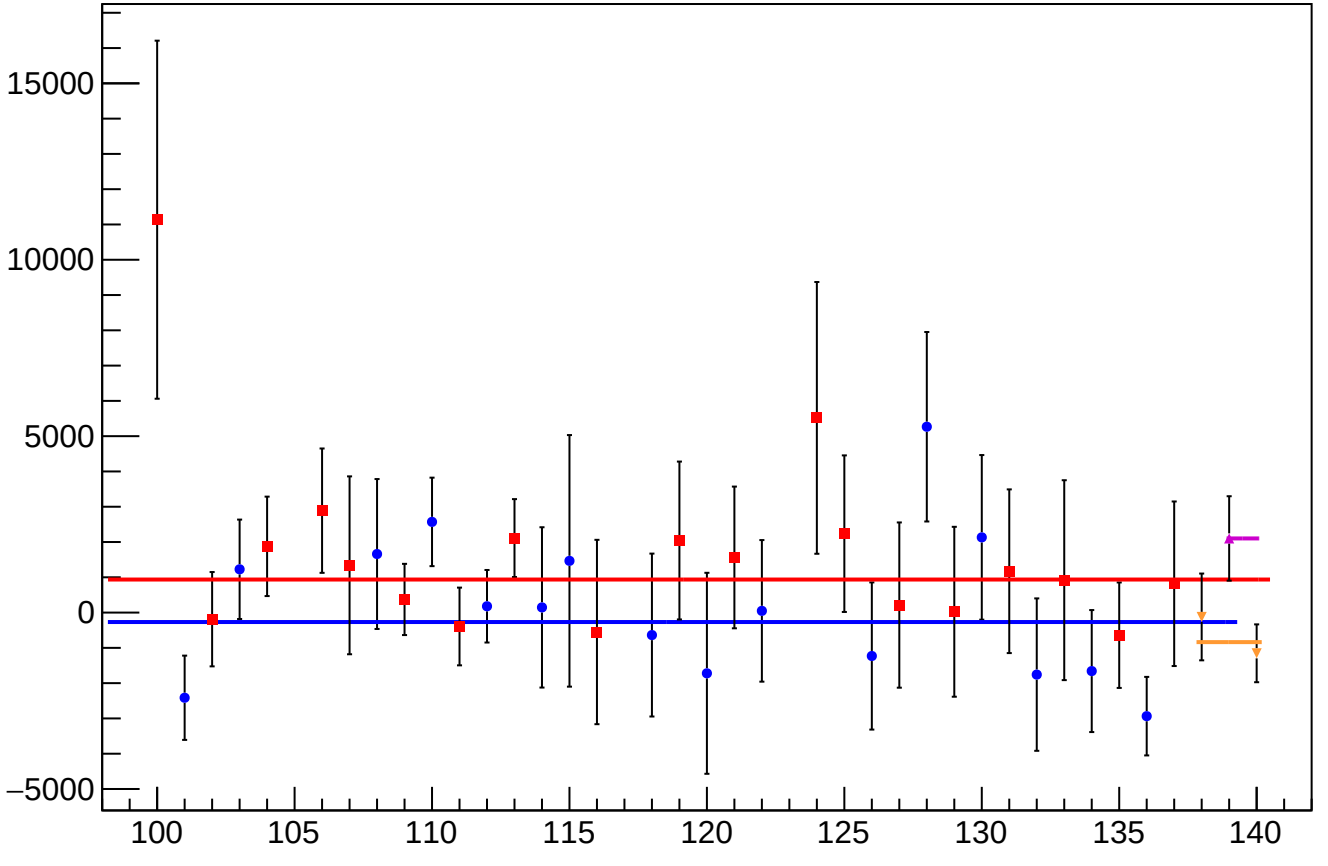
Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 102.493+/-0.026 χ^2/NDF:750252.9/16

Out: 103.358+/-0.025 χ^2/NDF:1067523.0/20

All: 102.942+/-0.018 χ^2/NDF: 1818333.6/37

asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -837.031+/-682.097 χ^2/NDF:0.5/1

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 2101.359+/-1196.488 χ^2/NDF:0.0/0

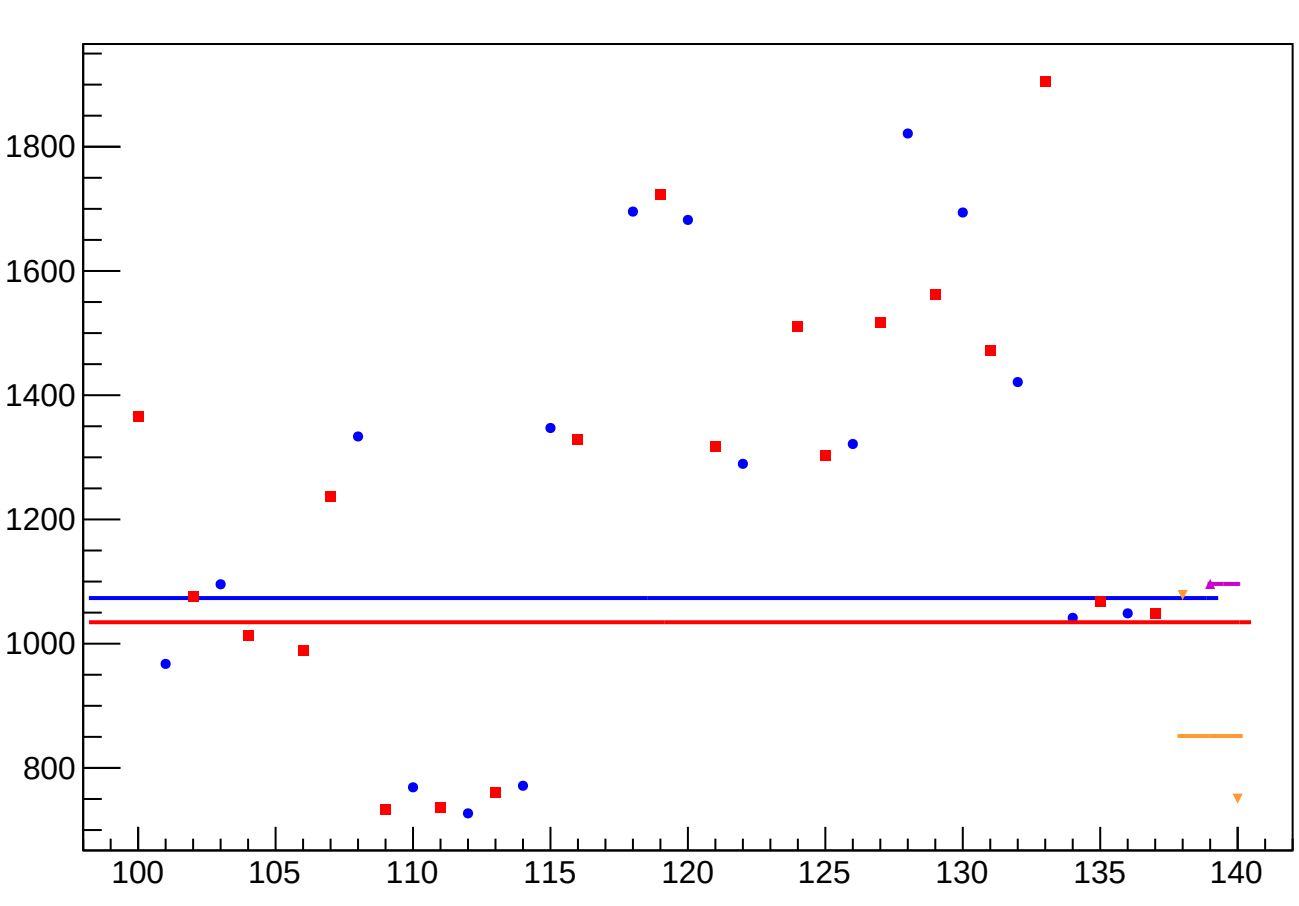
Left: -116.304+/-592.569 χ^2/NDF: 5.0/2

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: -11.205+/-393.822 χ^2/NDF:27.0/16

Out: 489.195+/-342.620 χ^2/NDF:18.7/20

All: 273.618+/-258.489 χ^2/NDF: 46.6/37



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 851.360+/-0.482 χ^2/NDF:98382.3/1

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 1096.198+/-0.846 χ^2/NDF:0.0/0

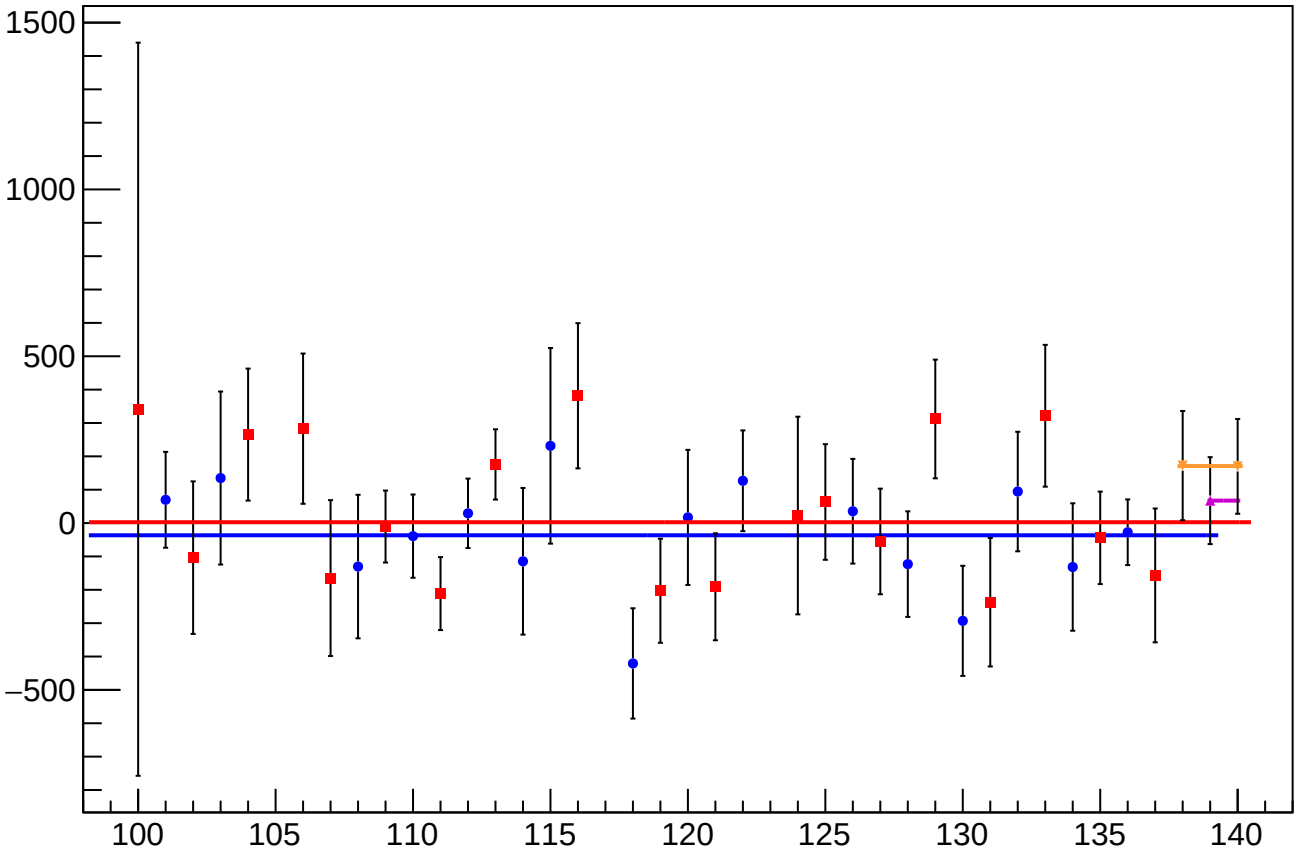
Left: 911.413+/-0.419 χ^2/NDF: 161588.4/2

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 1075.919+/-0.278 χ^2/NDF:1077700.2/16

Out: 988.318+/-0.242 χ^2/NDF:1435570.0/20

All: 1026.057+/-0.183 χ^2/NDF: 2569596.4/37



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 170.974+/-107.289 χ^2/NDF:0.0/1

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 67.293+/-130.243 χ^2/NDF:0.0/0

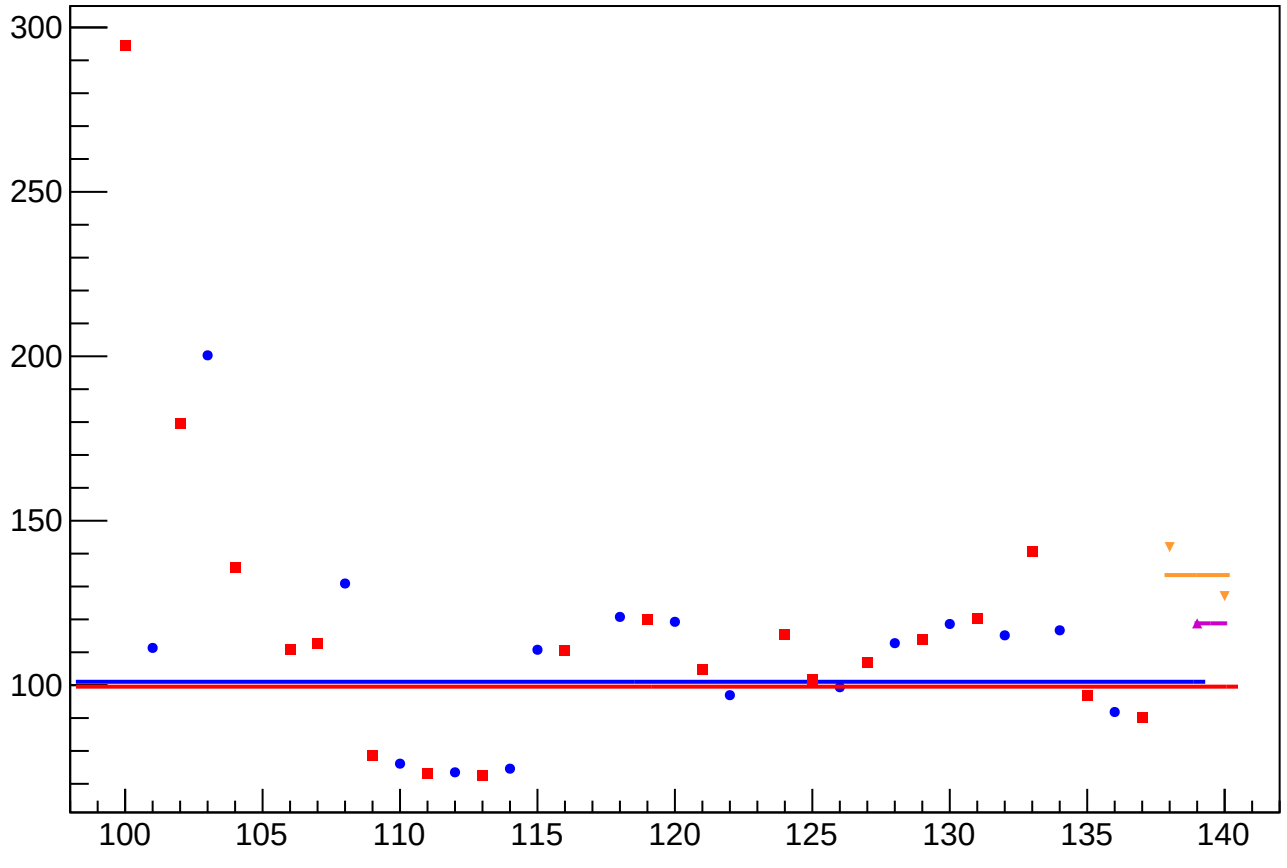
Left: 129.060+/-82.811 χ^2/NDF: 0.4/2

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: -28.045+/-37.353 χ^2/NDF:13.5/16

Out: 21.482+/-35.958 χ^2/NDF:26.9/20

All: -2.339+/-25.905 χ^2/NDF: 41.3/37



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 133.478+/-0.076 χ^2/NDF:9458.2/1

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 118.798+/-0.092 χ^2/NDF:0.0/0

Left: 127.544+/-0.059 χ^2/NDF: 24594.3/2

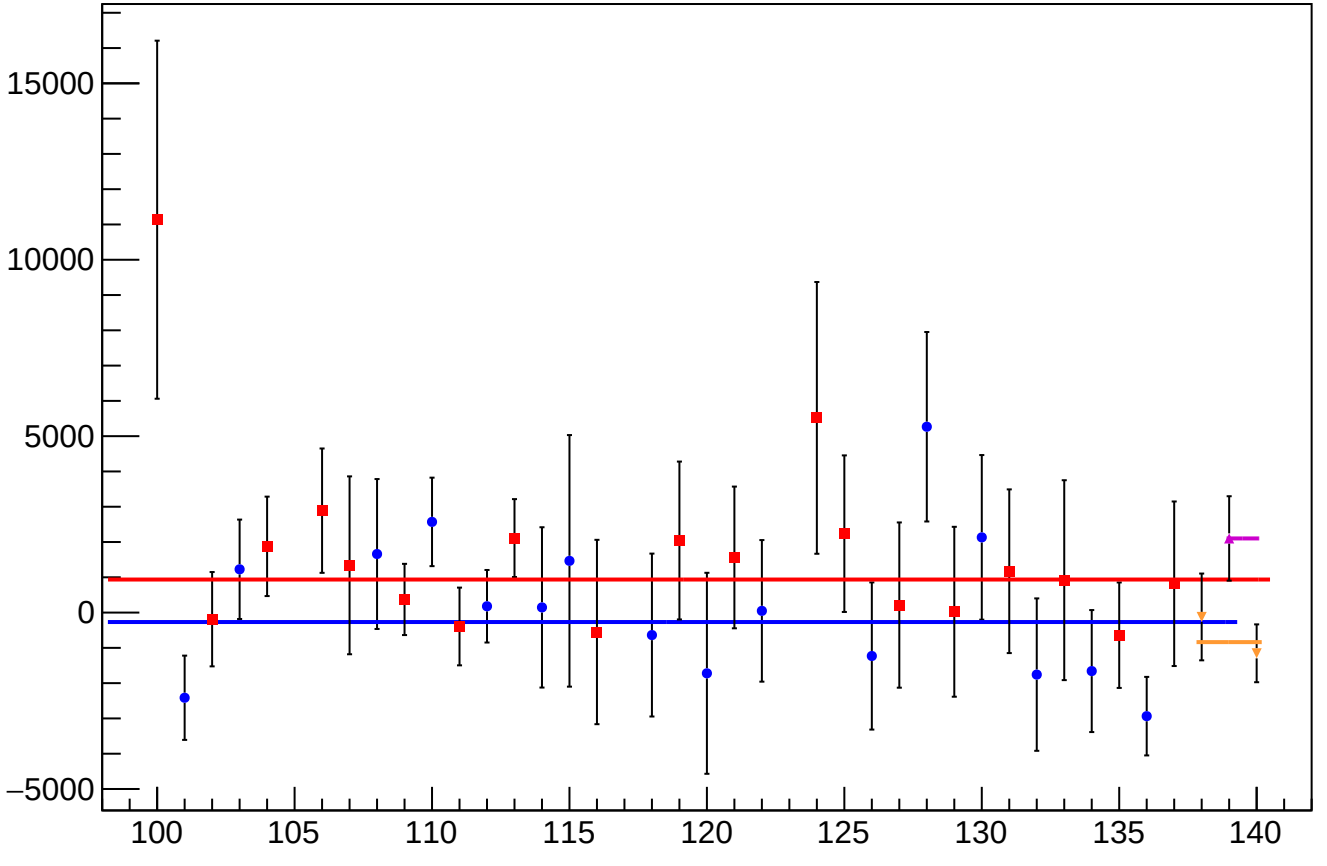
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 102.493+/-0.026 χ^2/NDF:750250.8/16

Out: 103.358+/-0.025 χ^2/NDF:1067524.6/20

All: 102.942+/-0.018 χ^2/NDF: 1818333.1/37

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -837.030+/-682.095 χ^2/NDF:0.5/1

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 2101.360+/-1196.487 χ^2/NDF:0.0/0

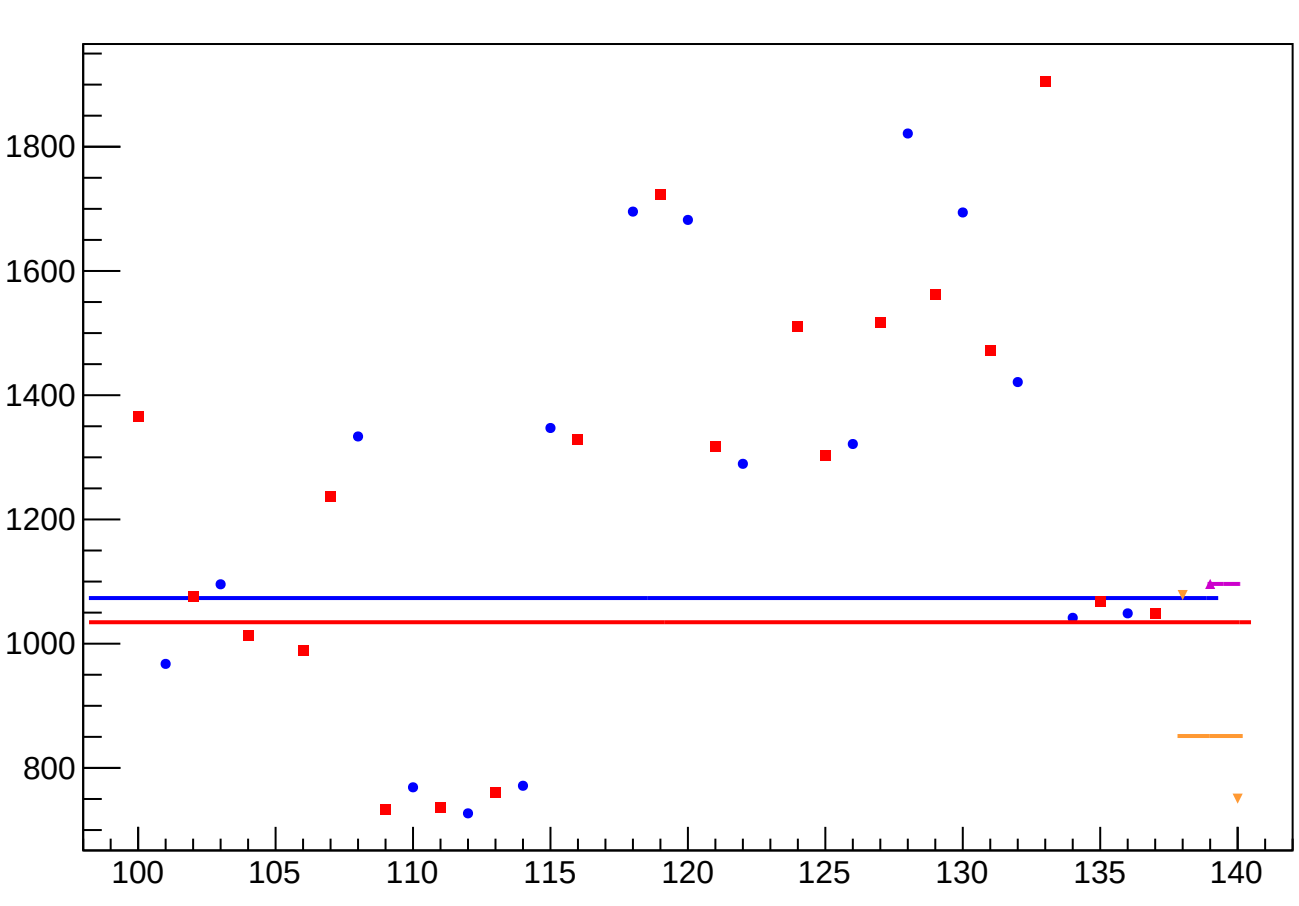
Left: -116.304+/-592.568 χ^2/NDF: 5.0/2

Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: -11.204+/-393.821 χ^2/NDF:27.0/16

Out: 489.194+/-342.620 χ^2/NDF:18.7/20

All: 273.618+/-258.489 χ^2/NDF: 46.6/37



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 851.358+/-0.482 χ^2/NDF:98382.5/1

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 1096.197+/-0.846 χ^2/NDF:0.0/0

Left: 911.412+/-0.419 χ^2/NDF: 161589.2/2

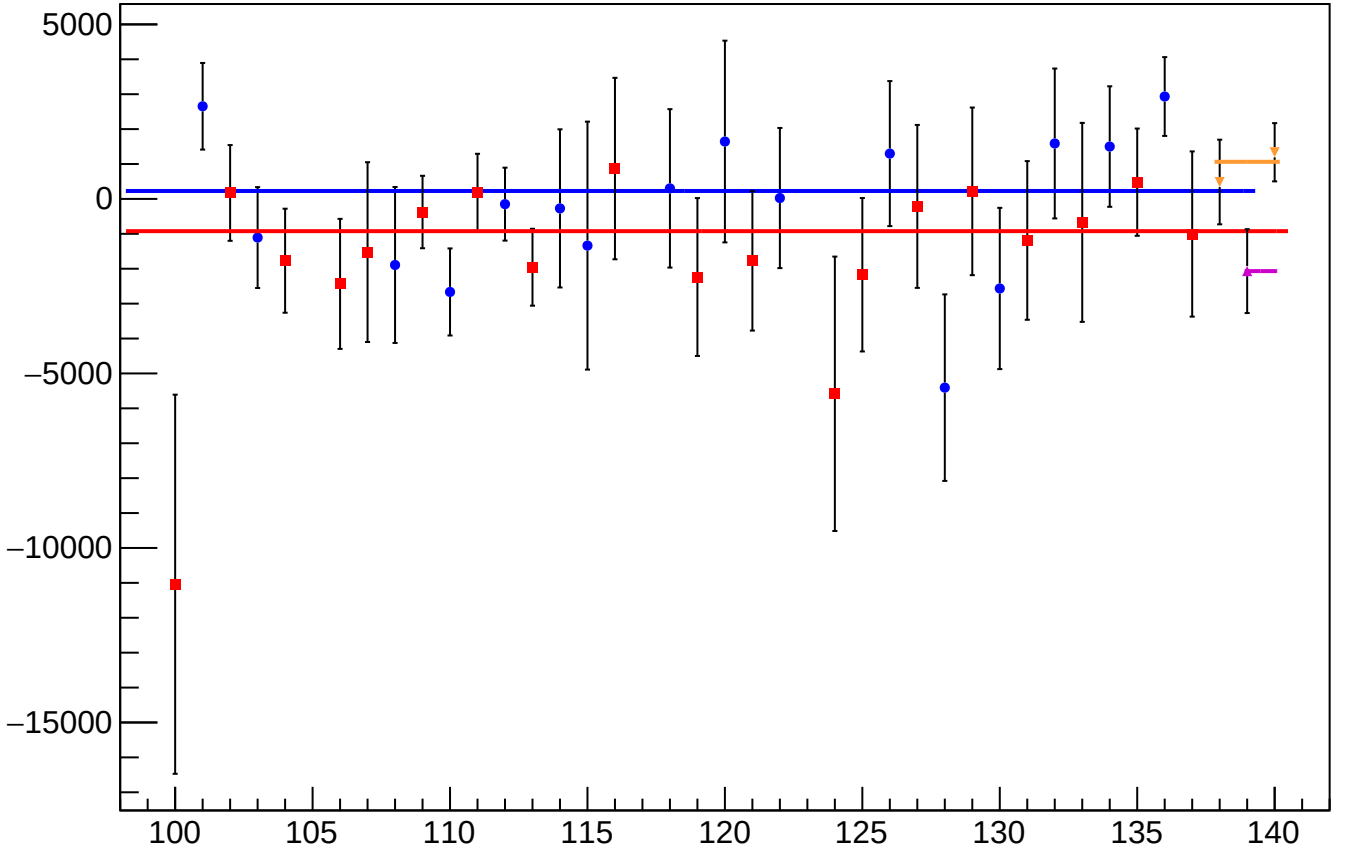
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 1075.918+/-0.278 χ^2/NDF:1077706.1/16

Out: 988.316+/-0.242 χ^2/NDF:1435573.3/20

All: 1026.056+/-0.183 χ^2/NDF: 2569605.8/37

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1063.058+/-687.248 χ^2/NDF:0.3/1

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -2068.333+/-1201.898 χ^2/NDF:0.0/0

Left: 291.494+/-596.602 χ^2/NDF: 5.5/2

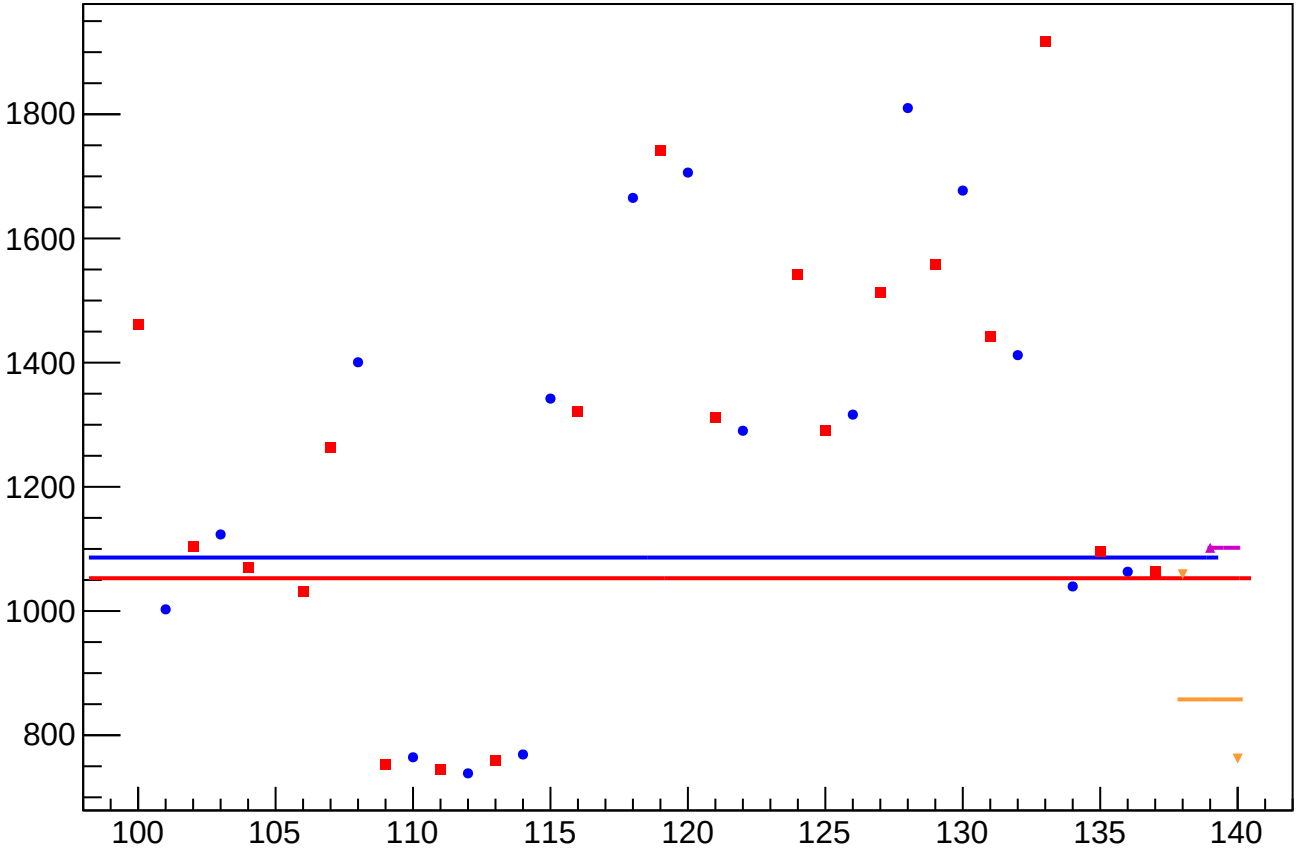
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -24.292+/-398.034 χ^2/NDF:27.7/16

Out: -415.107+/-347.704 χ^2/NDF:17.7/20

All: -245.956+/-261.861 χ^2/NDF: 46.0/37

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 857.700+/-0.486 χ^2/NDF:81363.2/1

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 1101.870+/-0.850 χ^2/NDF:0.0/0

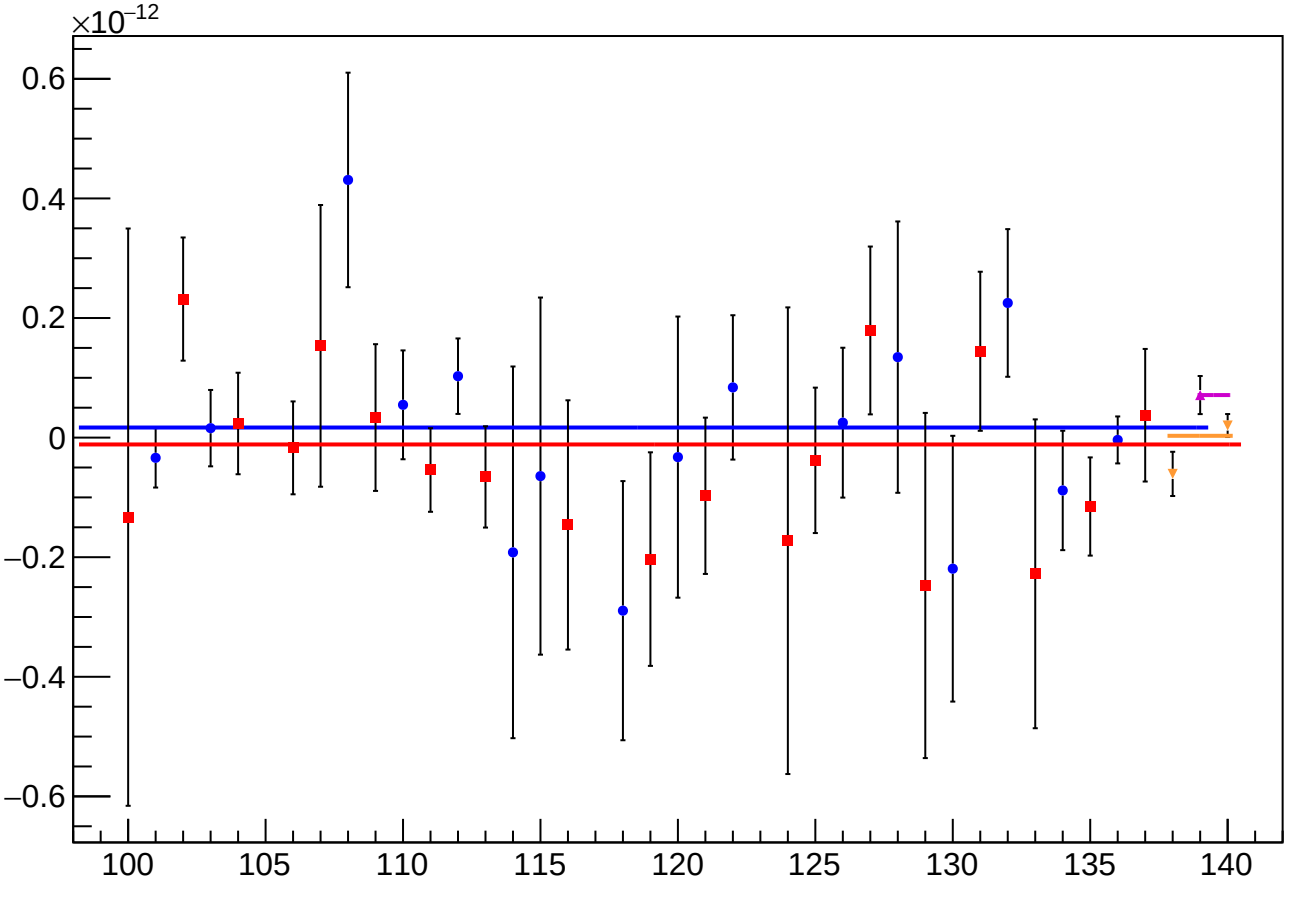
Left: 917.863+/-0.422 χ^2/NDF: 143567.8/2

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 1087.863+/-0.281 χ^2/NDF:1047784.7/16

Out: 1002.883+/-0.246 χ^2/NDF:1395745.8/20

All: 1039.663+/-0.185 χ^2/NDF: 2495237.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.8/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

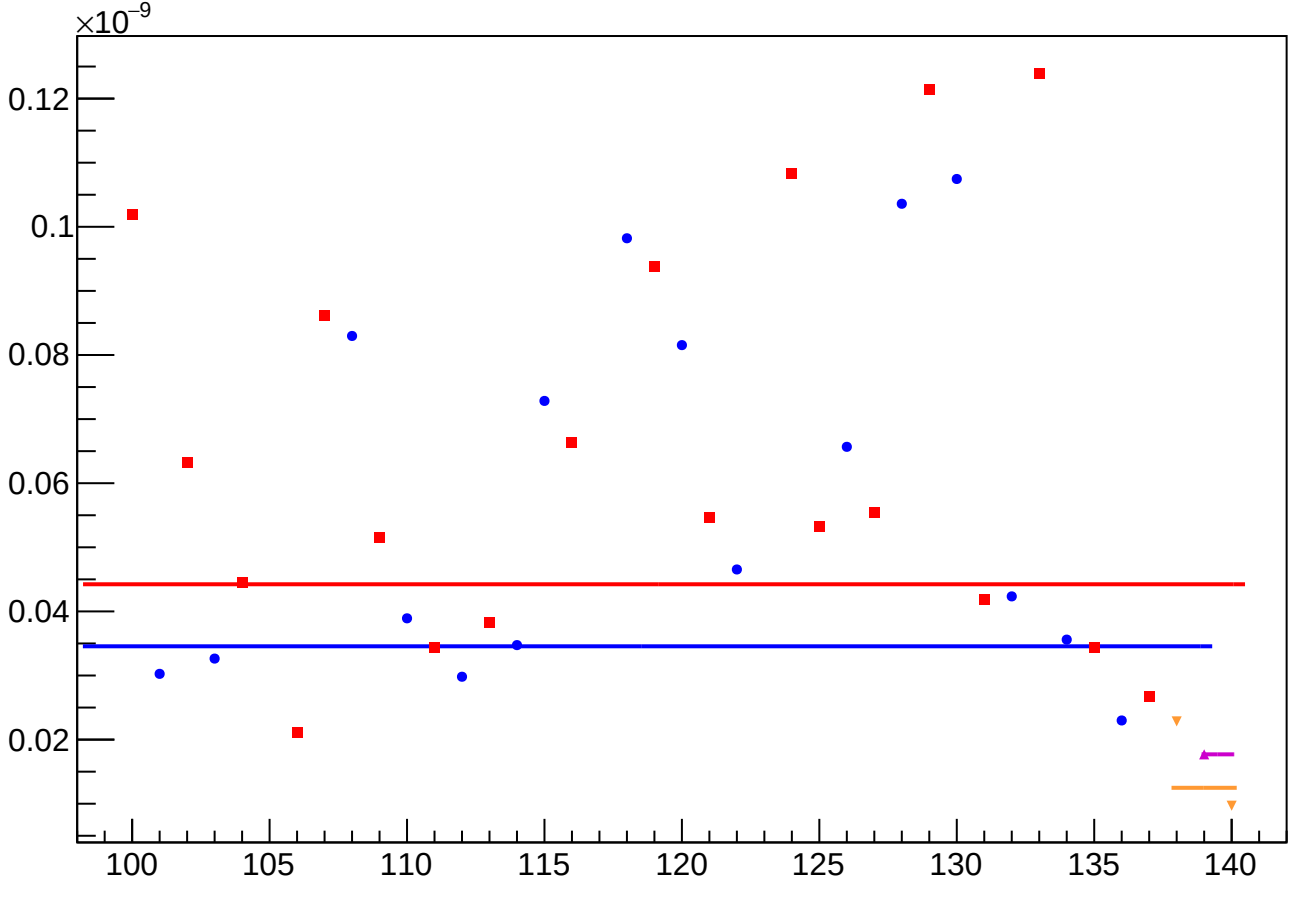
Left: 0.000+/-0.000 χ^2/NDF: 7.3/2

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:18.9/16

Out: -0.000+/-0.000 χ^2/NDF:19.8/20

All: 0.000+/-0.000 χ^2/NDF: 41.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:199210.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

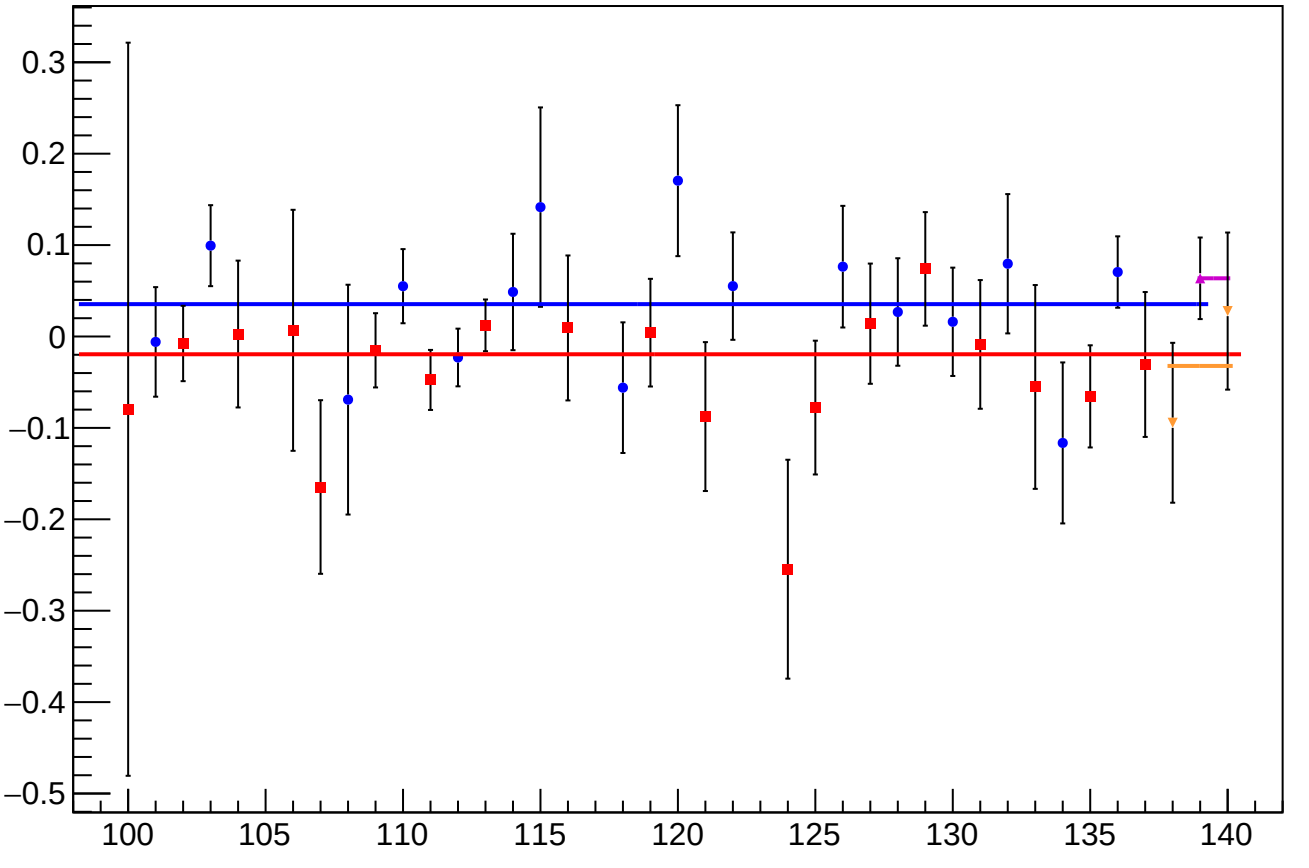
Left: 0.000+/-0.000 χ^2/NDF: 240975.9/2

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:1570190.8/16

Out: 0.000+/-0.000 χ^2/NDF:3261056.7/20

All: 0.000+/-0.000 χ^2/NDF: 5048067.0/37



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.032+/-0.061 χ^2/NDF:1.0/1

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.064+/-0.045 χ^2/NDF:0.0/0

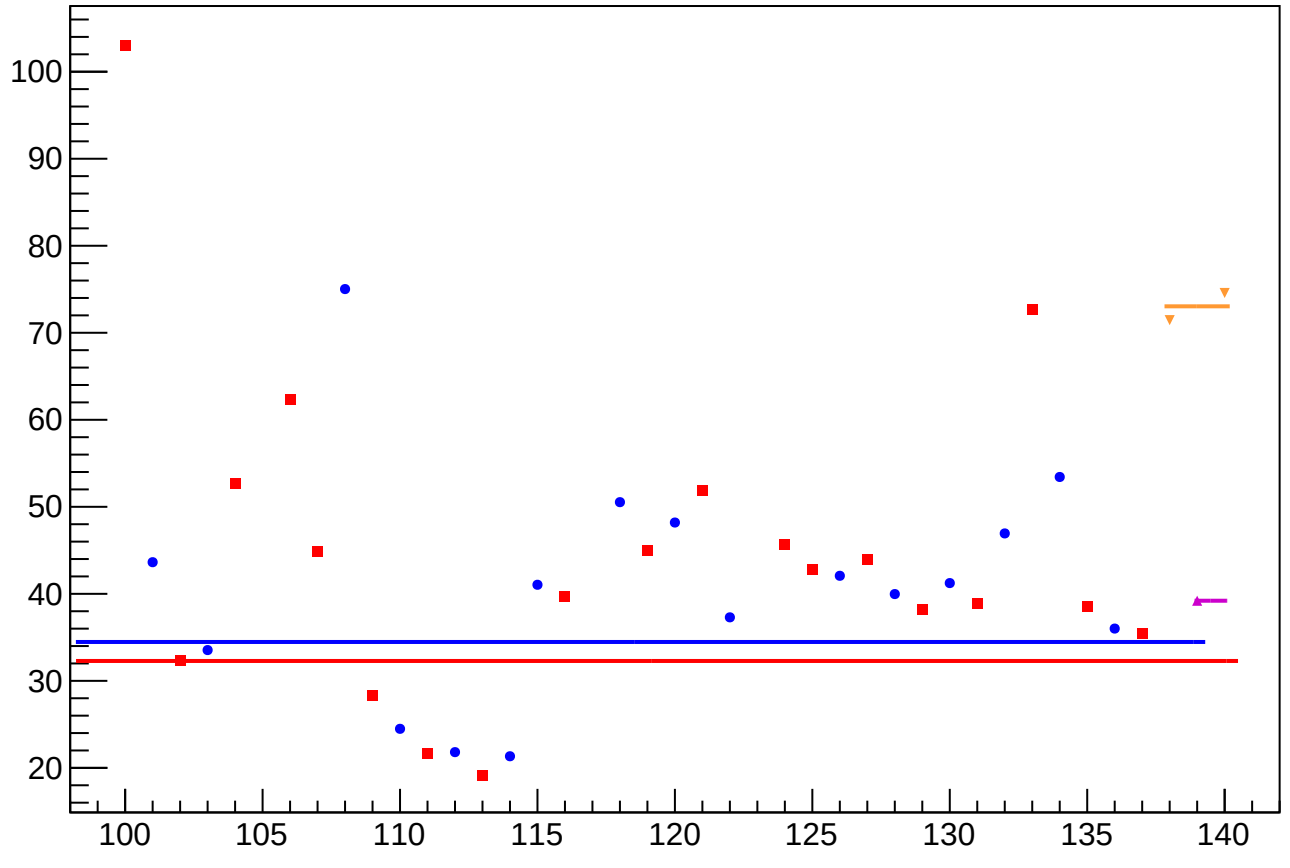
Left: 0.030+/-0.036 χ^2/NDF: 2.6/2

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.038+/-0.013 χ^2/NDF:17.3/16

Out: -0.020+/-0.013 χ^2/NDF:14.4/20

All: 0.008+/-0.009 χ^2/NDF: 41.6/37



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 73.039+/-0.043 χ^2/NDF:1297.0/1

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 39.208+/-0.032 χ^2/NDF:0.0/0

Left: 50.927+/-0.026 χ^2/NDF: 399491.9/2

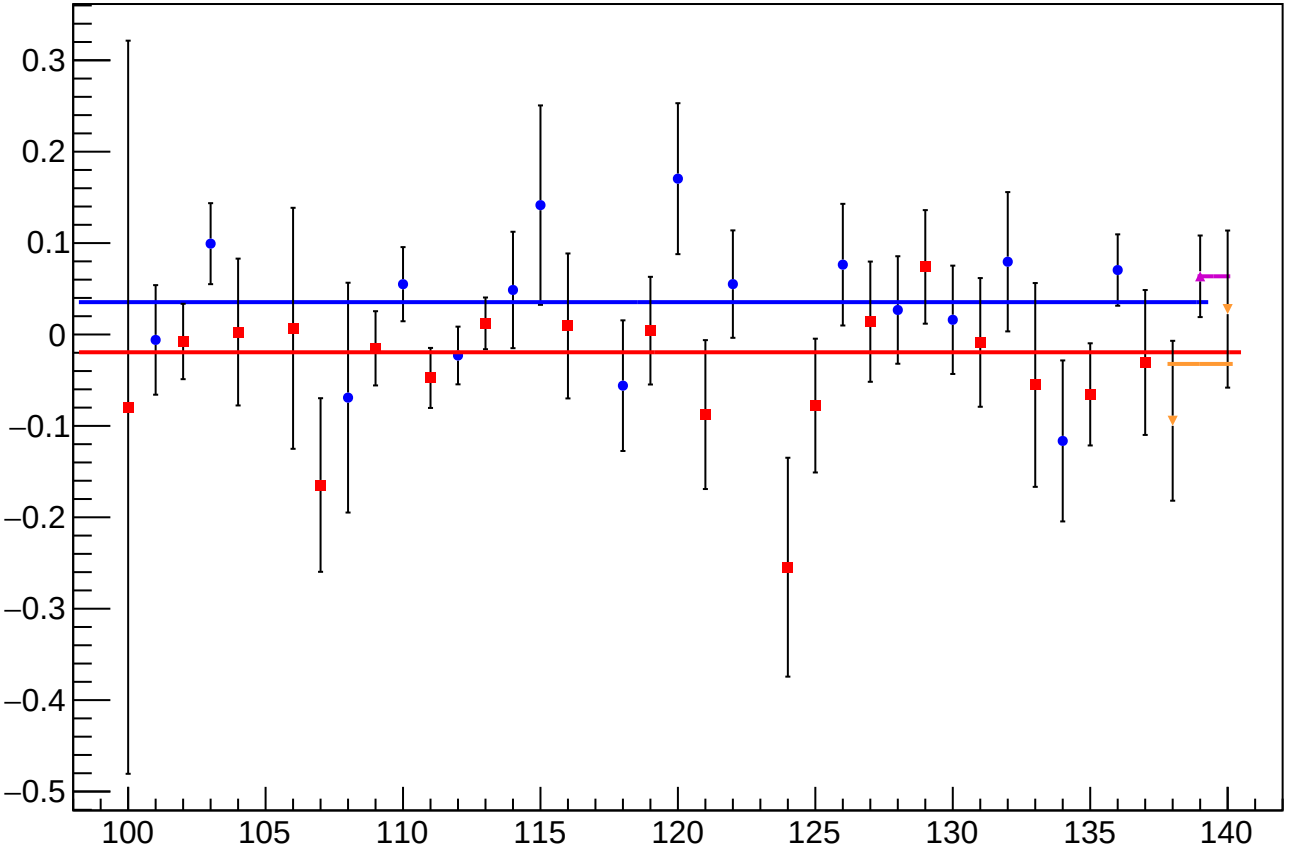
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 34.887+/-0.009 χ^2/NDF:1191769.9/16

Out: 34.071+/-0.009 χ^2/NDF:2519273.1/20

All: 34.465+/-0.007 χ^2/NDF: 3714951.6/37

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.032+/-0.061 χ^2/NDF:1.0/1

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.064+/-0.045 χ^2/NDF:0.0/0

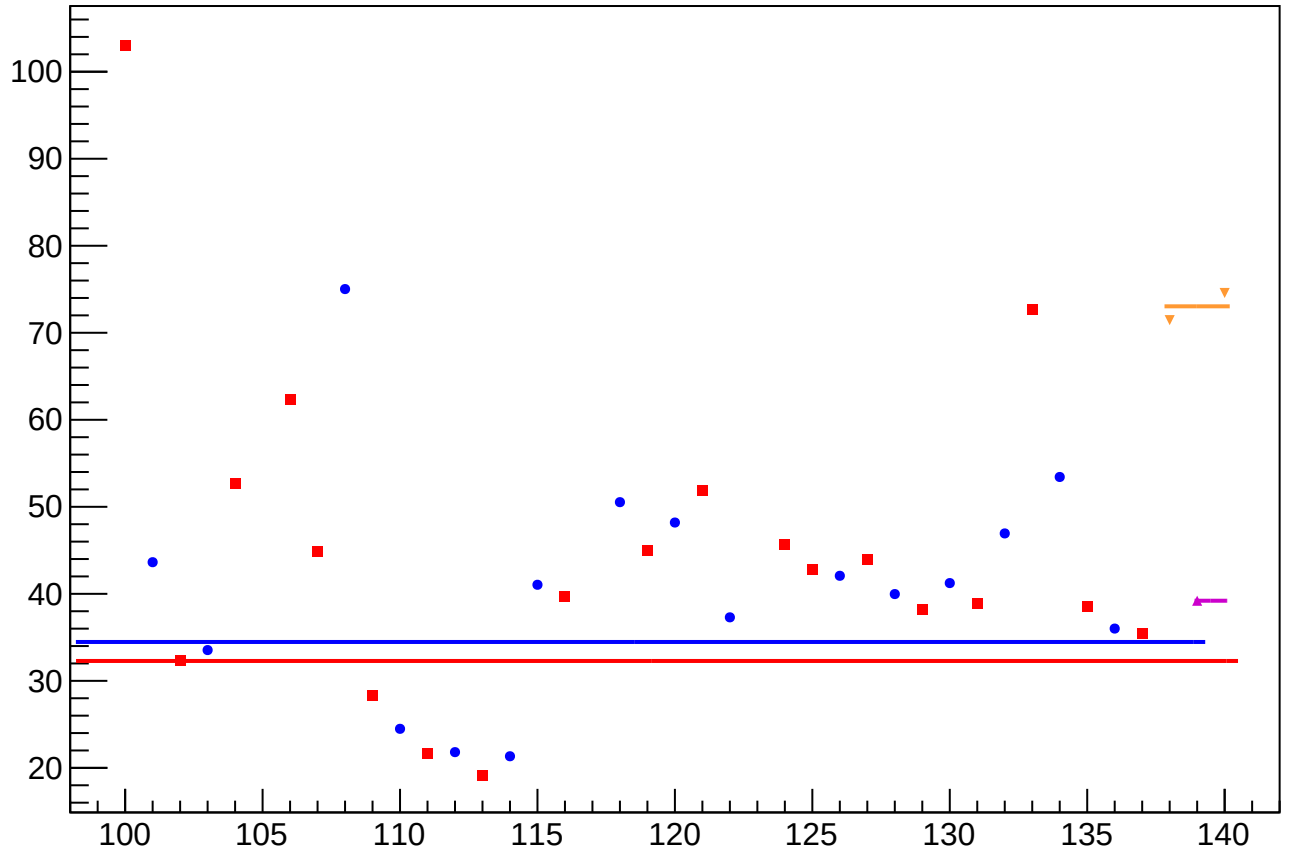
Left: 0.030+/-0.036 χ^2/NDF: 2.6/2

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.038+/-0.013 χ^2/NDF:17.3/16

Out: -0.020+/-0.013 χ^2/NDF:14.4/20

All: 0.008+/-0.009 χ^2/NDF: 41.6/37



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 73.039+/-0.043 χ^2/NDF:1297.0/1

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 39.208+/-0.032 χ^2/NDF:0.0/0

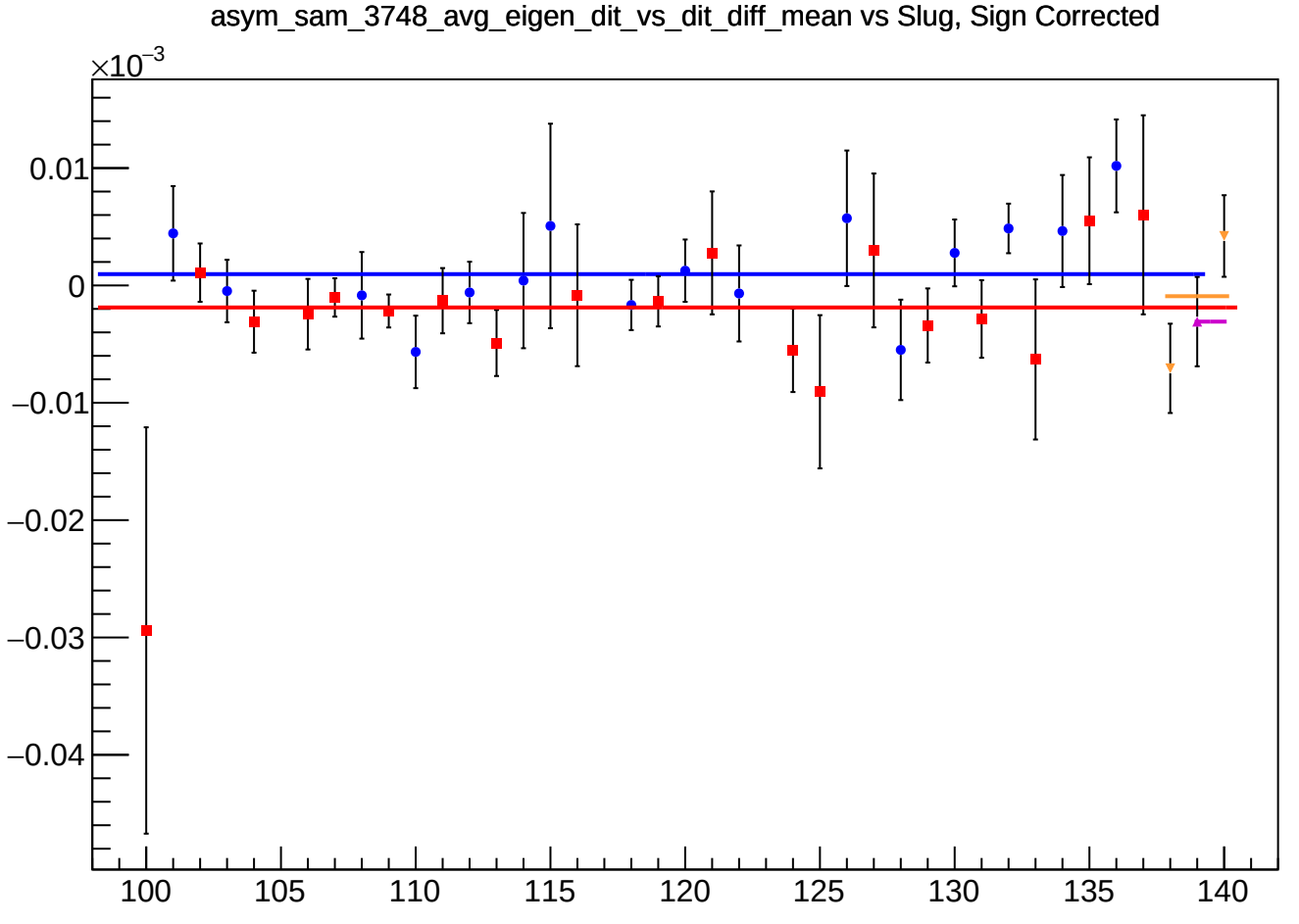
Left: 50.927+/-0.026 χ^2/NDF: 399491.9/2

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 34.887+/-0.009 χ^2/NDF:1191769.9/16

Out: 34.071+/-0.009 χ^2/NDF:2519273.1/20

All: 34.465+/-0.007 χ^2/NDF: 3714951.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/1

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

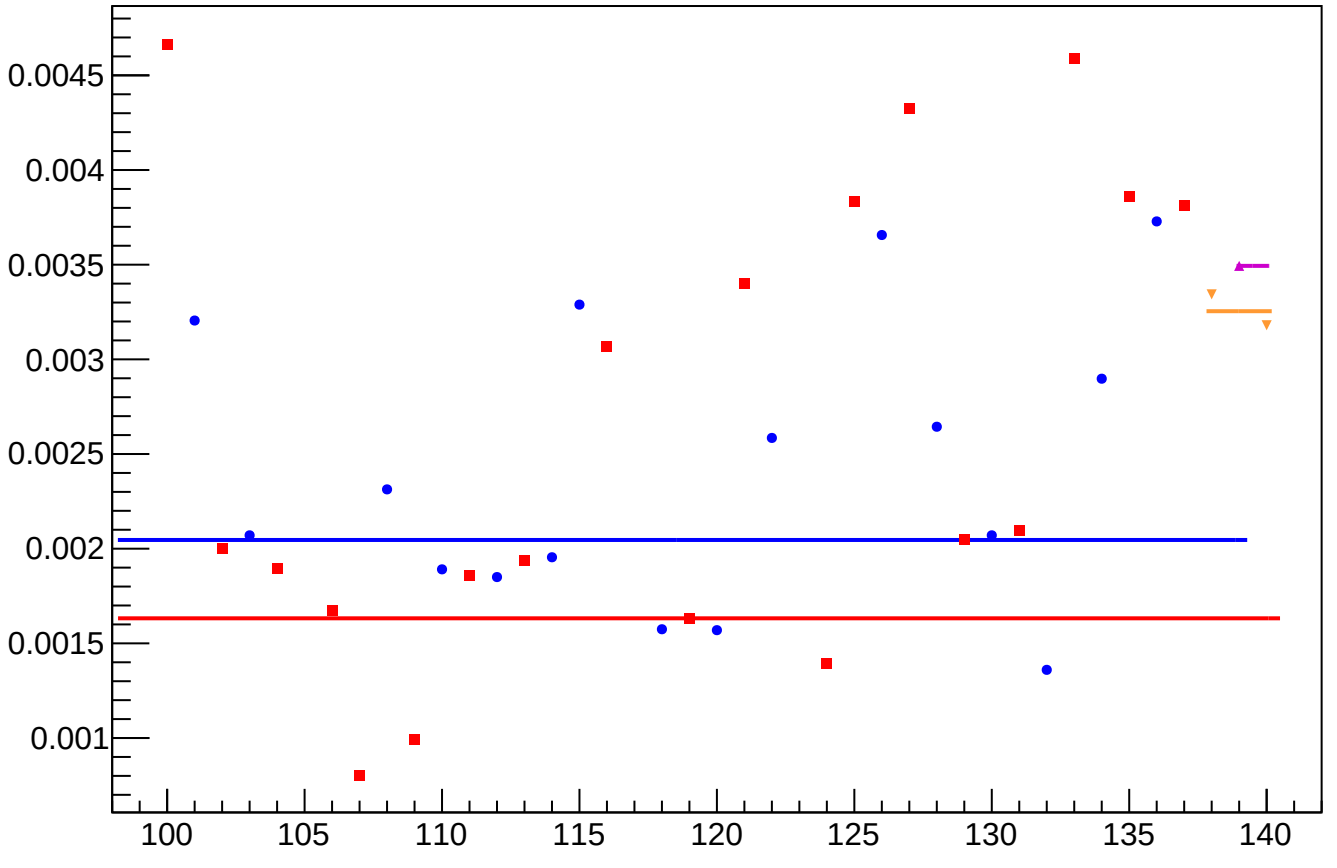
Left: -0.000+/-0.000 χ^2/NDF: 5.0/2

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:22.0/16

Out: -0.000+/-0.000 χ^2/NDF:17.8/20

All: -0.000+/-0.000 χ^2/NDF: 46.3/37



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:2005.8/1

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 7443.0/2

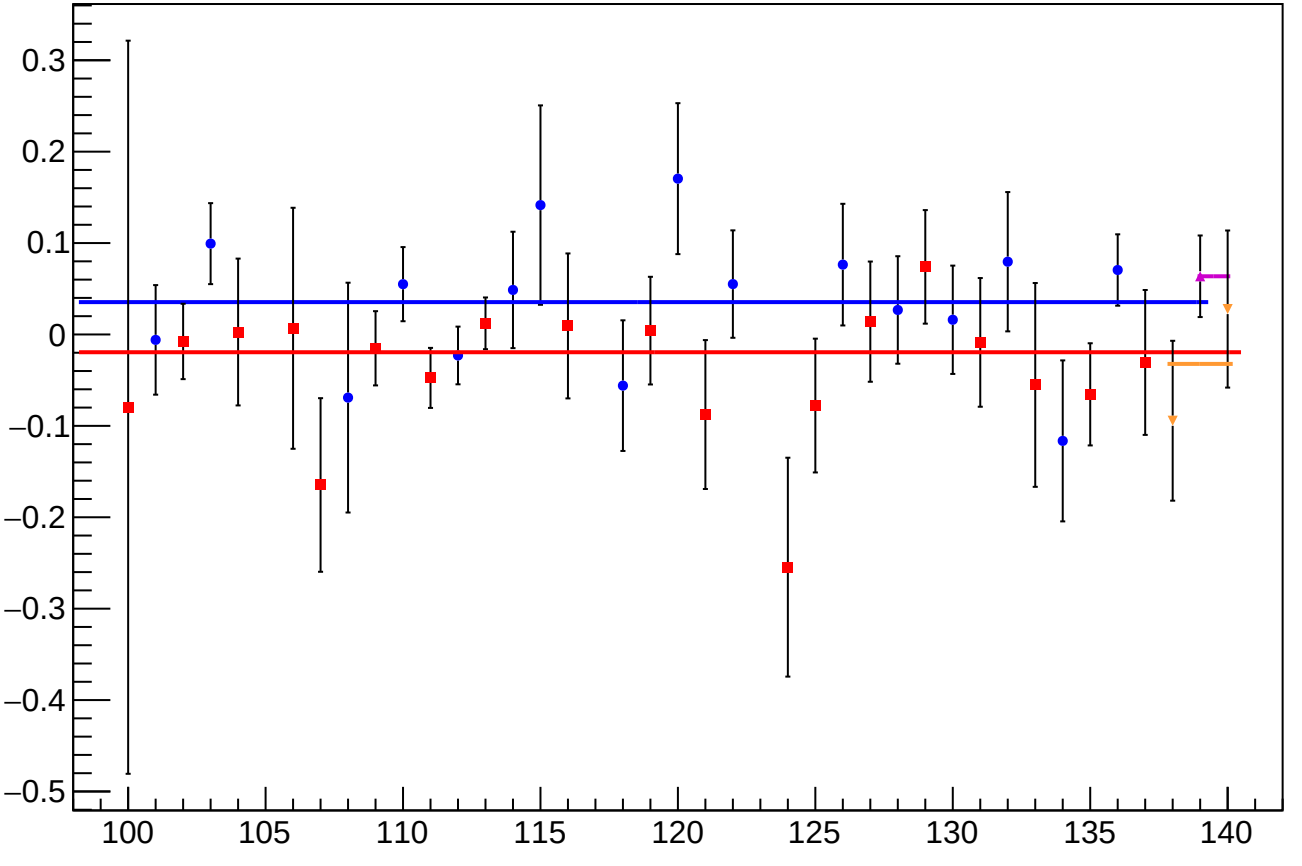
Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:1537121.0/16

Out: 0.002+/-0.000 χ^2/NDF:3678533.3/20

All: 0.002+/-0.000 χ^2/NDF: 5481183.0/37

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.032+/-0.061 χ^2/NDF:1.0/1

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.064+/-0.045 χ^2/NDF:0.0/0

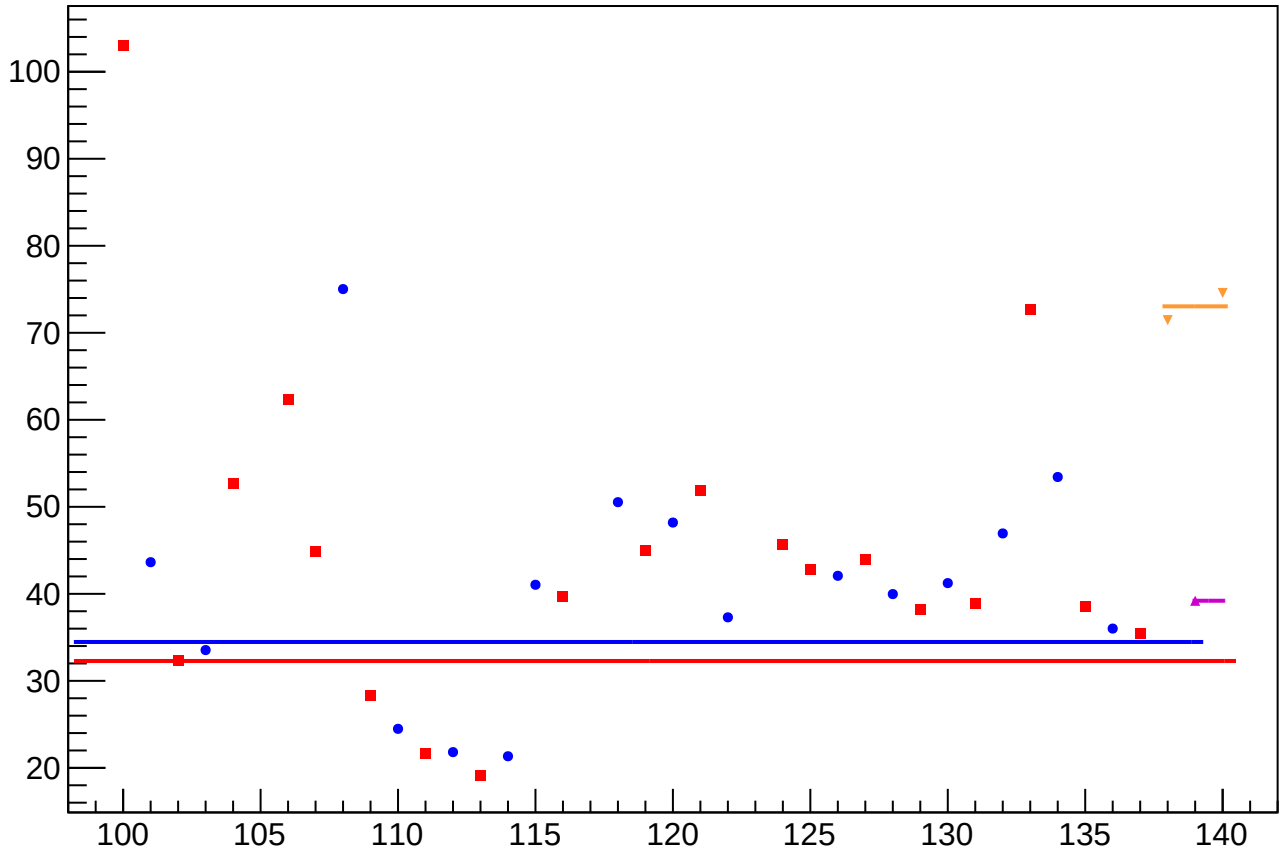
Left: 0.030+/-0.036 χ^2/NDF: 2.6/2

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.038+/-0.013 χ^2/NDF:17.3/16

Out: -0.020+/-0.013 χ^2/NDF:14.4/20

All: 0.008+/-0.009 χ^2/NDF: 41.6/37



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 73.040+/-0.043 χ^2/NDF:1298.4/1

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 39.208+/-0.032 χ^2/NDF:0.0/0

Left: 50.927+/-0.026 χ^2/NDF: 399502.5/2

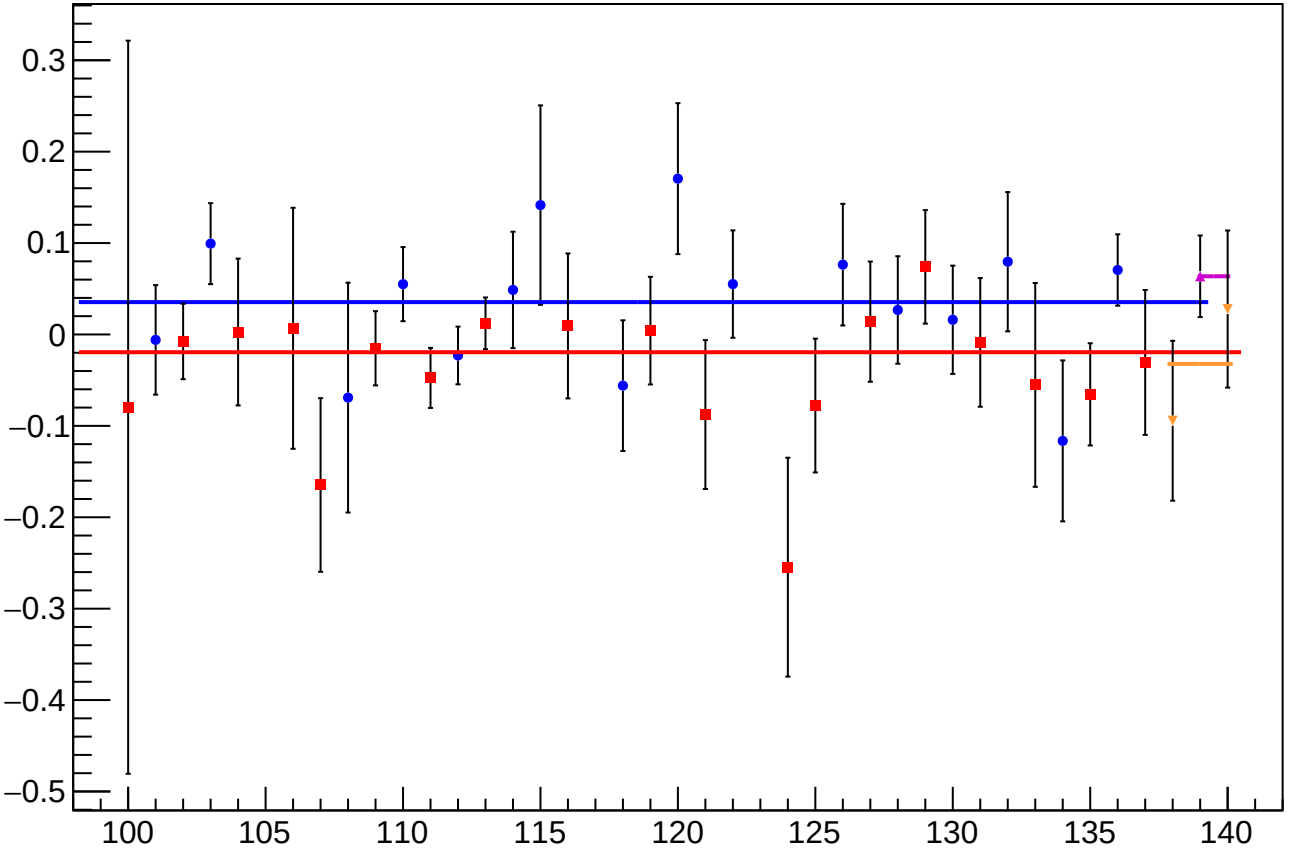
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 34.887+/-0.009 χ^2/NDF:1191720.5/16

Out: 34.071+/-0.009 χ^2/NDF:2519231.8/20

All: 34.466+/-0.007 χ^2/NDF: 3714860.1/37

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.032+/-0.061 χ^2/NDF:1.0/1

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.064+/-0.045 χ^2/NDF:0.0/0

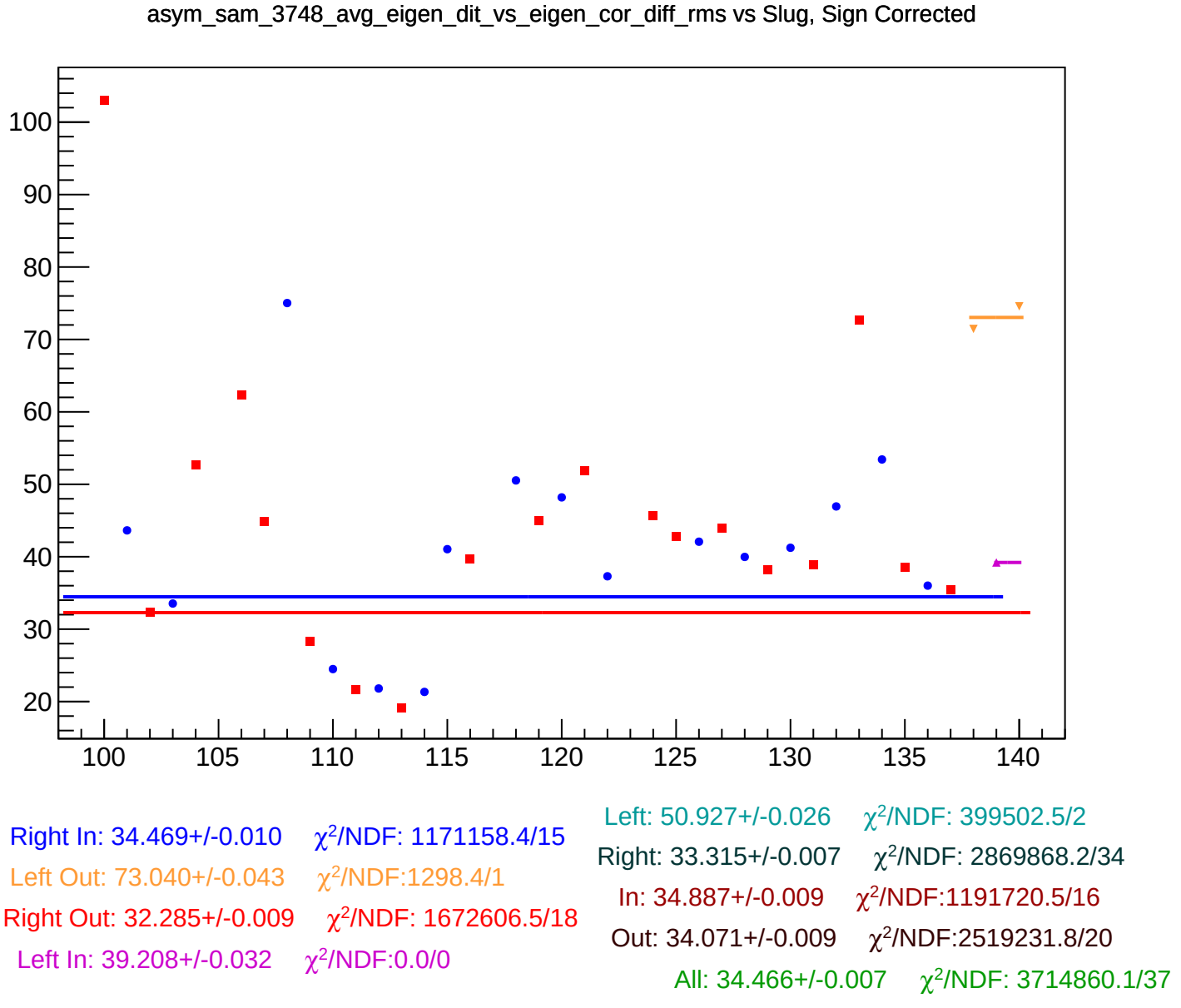
Left: 0.030+/-0.036 χ^2/NDF: 2.6/2

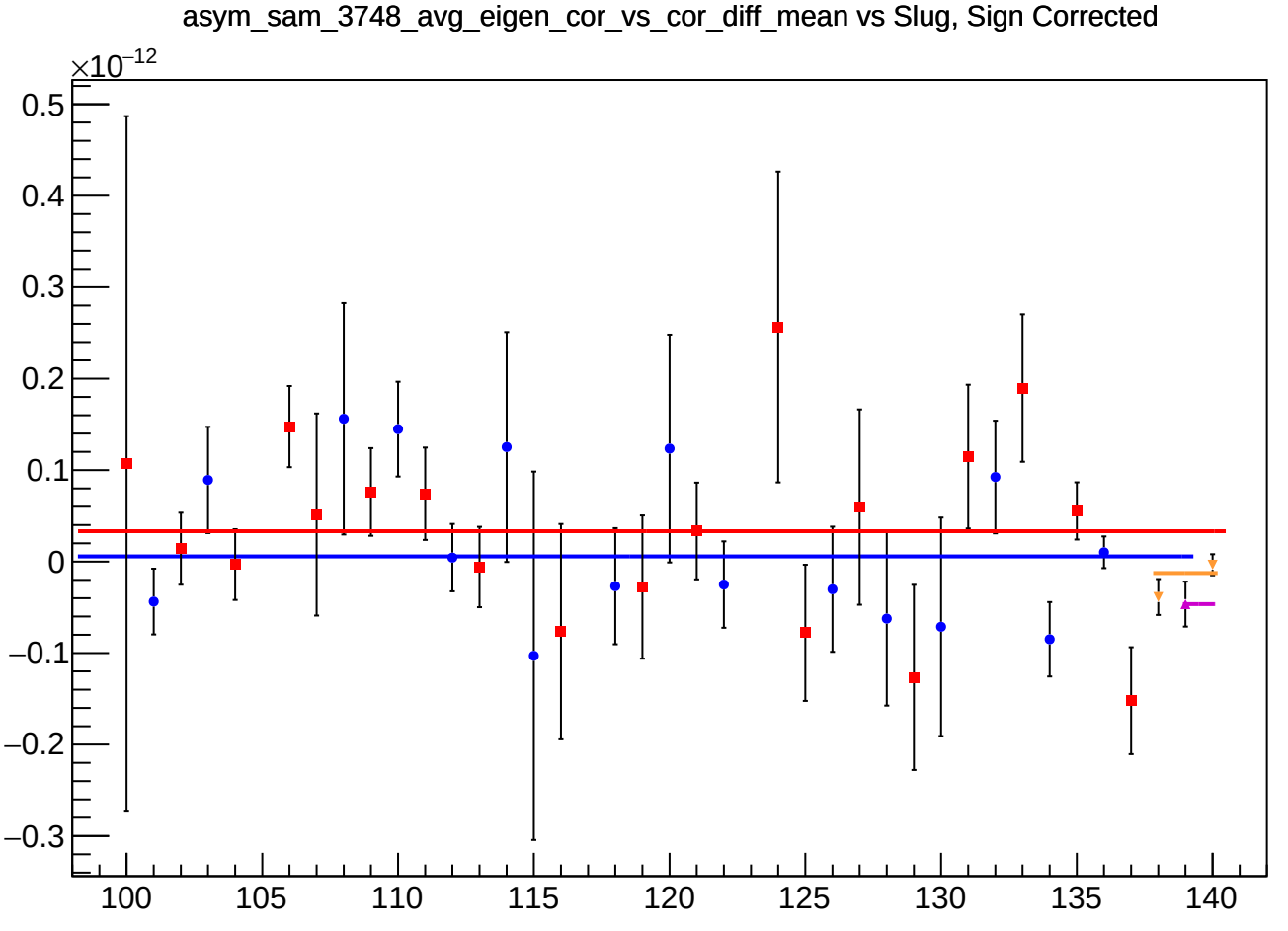
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

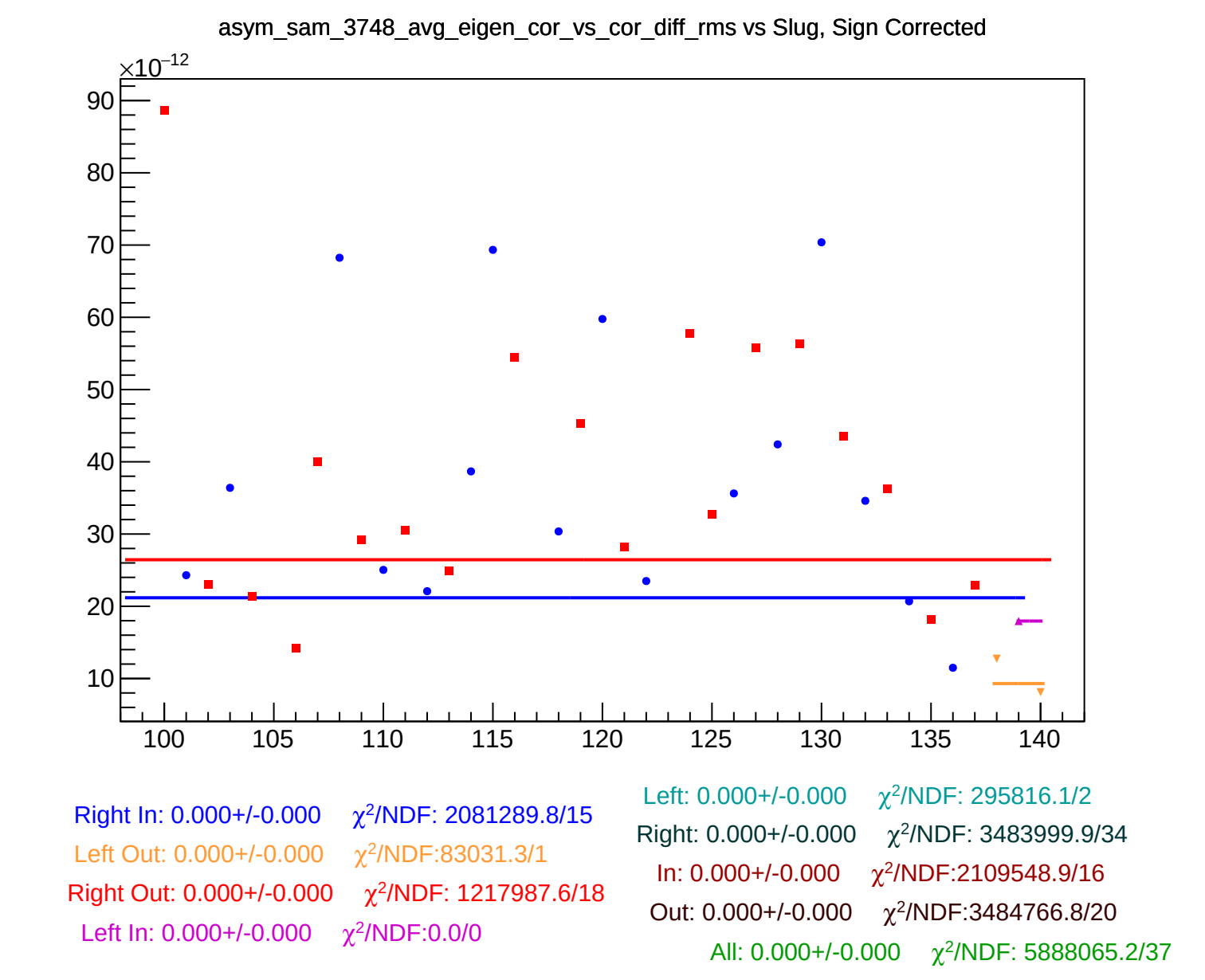
In: 0.038+/-0.013 χ^2/NDF:17.3/16

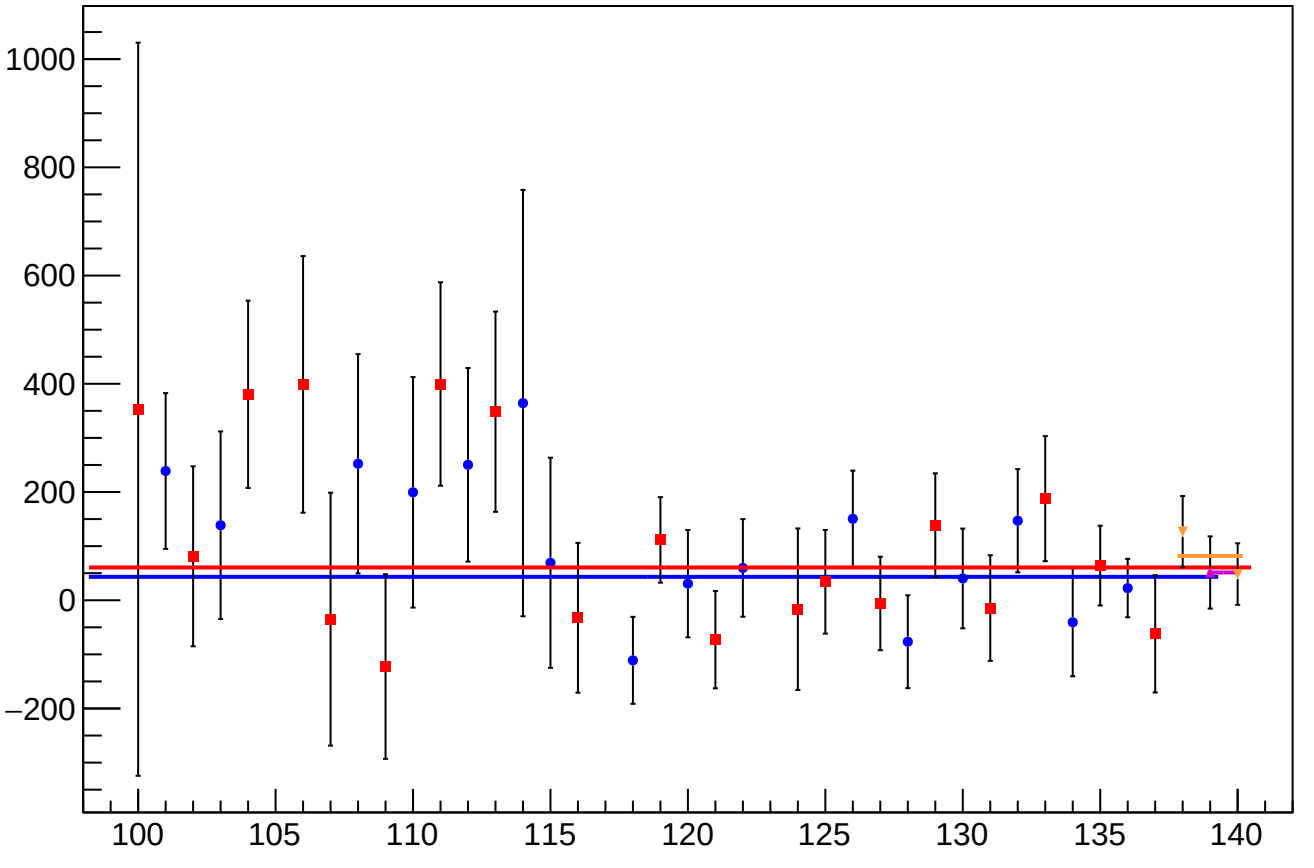
Out: -0.020+/-0.013 χ^2/NDF:14.4/20

All: 0.008+/-0.009 χ^2/NDF: 41.6/37


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
105
110
115
120
125
130
135
140
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 73.040+/-0.043 χ²/NDF:1298.4/1
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 39.208+/-0.032 χ²/NDF:0.0/0
Left: 50.927+/-0.026 χ²/NDF: 399502.5/2
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 34.887+/-0.009 χ²/NDF:1191720.5/16
Out: 34.071+/-0.009 χ²/NDF:2519231.8/20
All: 34.466+/-0.007 χ²/NDF: 3714860.1/37


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: -0.000+/-0.000 χ²/NDF:2.4/1
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: -0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 4.0/2
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: -0.000+/-0.000 χ²/NDF:27.3/16
Out: 0.000+/-0.000 χ²/NDF:43.7/20
All: 0.000+/-0.000 χ²/NDF: 71.3/37


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:83031.3/1
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 295816.1/2
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:2109548.9/16
Out: 0.000+/-0.000 χ²/NDF:3484766.8/20
All: 0.000+/-0.000 χ²/NDF: 5888065.2/37



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 81.920+/-43.013 χ^2/NDF:0.8/1

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 51.317+/-66.707 χ^2/NDF:0.0/0

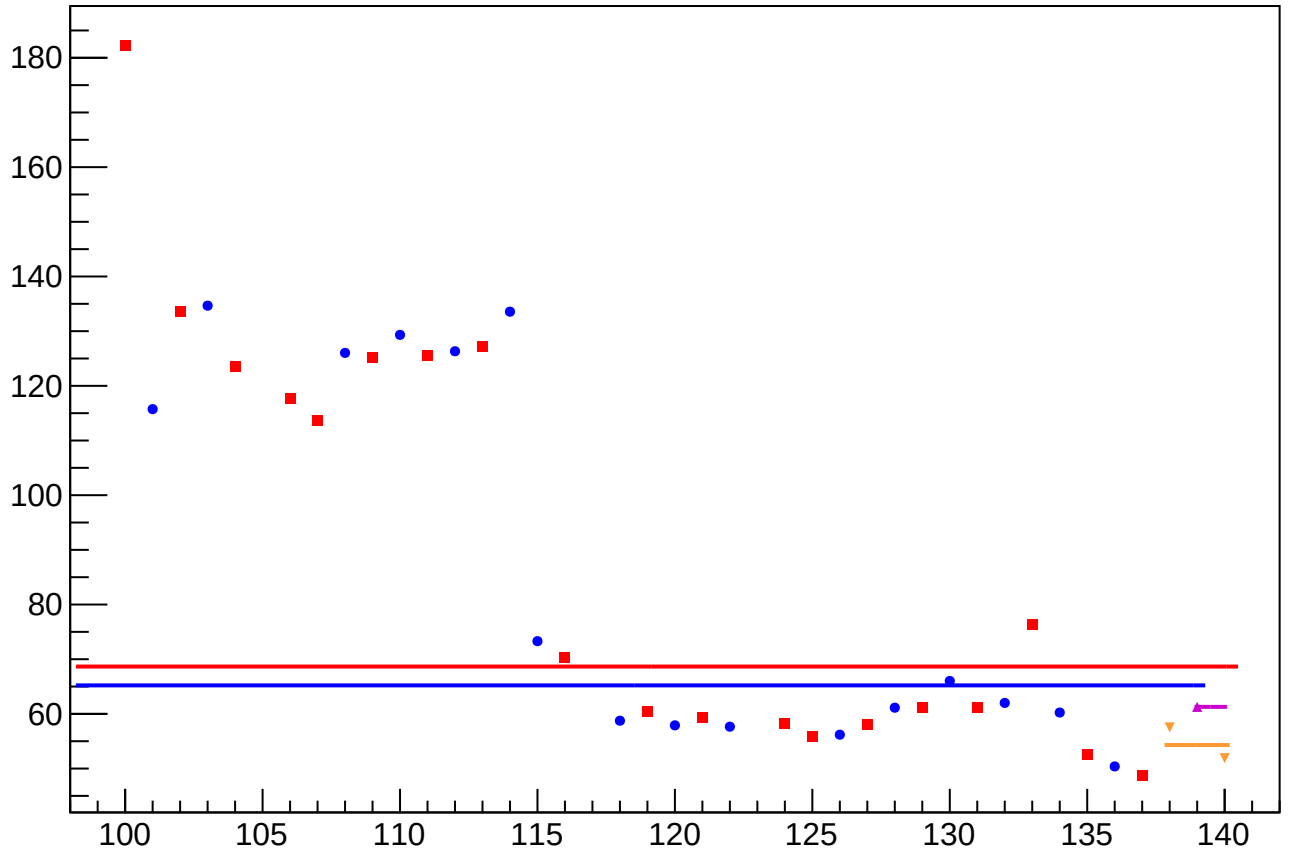
Left: 72.933+/-36.150 χ^2/NDF: 1.0/2

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 44.296+/-24.047 χ^2/NDF:15.0/16

Out: 66.579+/-22.804 χ^2/NDF:21.4/20

All: 56.028+/-16.547 χ^2/NDF: 36.8/37



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 54.302+/-0.030 χ^2/NDF:8388.9/1

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 61.282+/-0.047 χ^2/NDF:0.0/0

Left: 56.352+/-0.026 χ^2/NDF: 23854.4/2

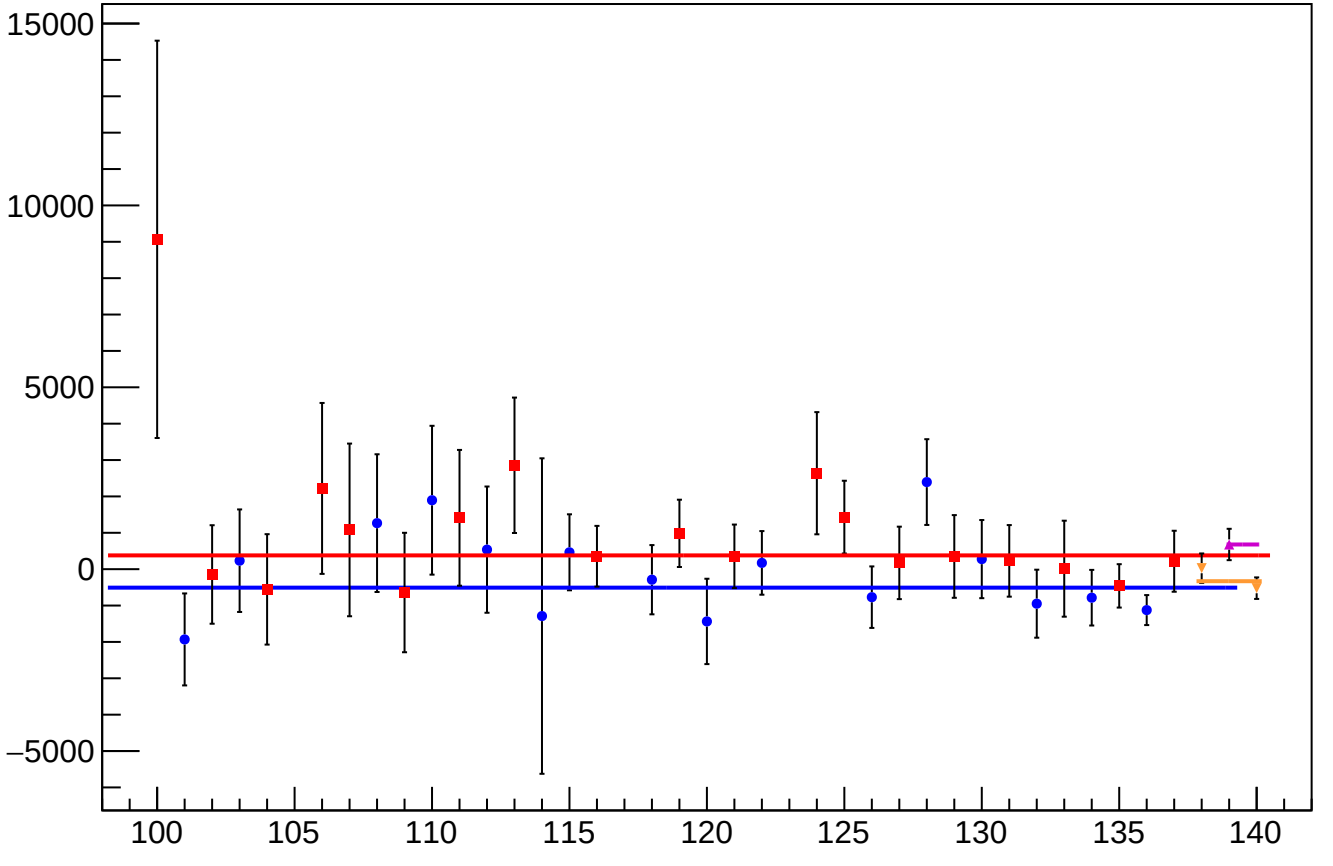
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 64.702+/-0.017 χ^2/NDF:1452546.9/16

Out: 64.622+/-0.016 χ^2/NDF:1809425.4/20

All: 64.660+/-0.012 χ^2/NDF: 3261983.8/37

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: -330.707+/-238.806 χ^2/NDF:1.2/1

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 678.684+/-430.973 χ^2/NDF:0.0/0

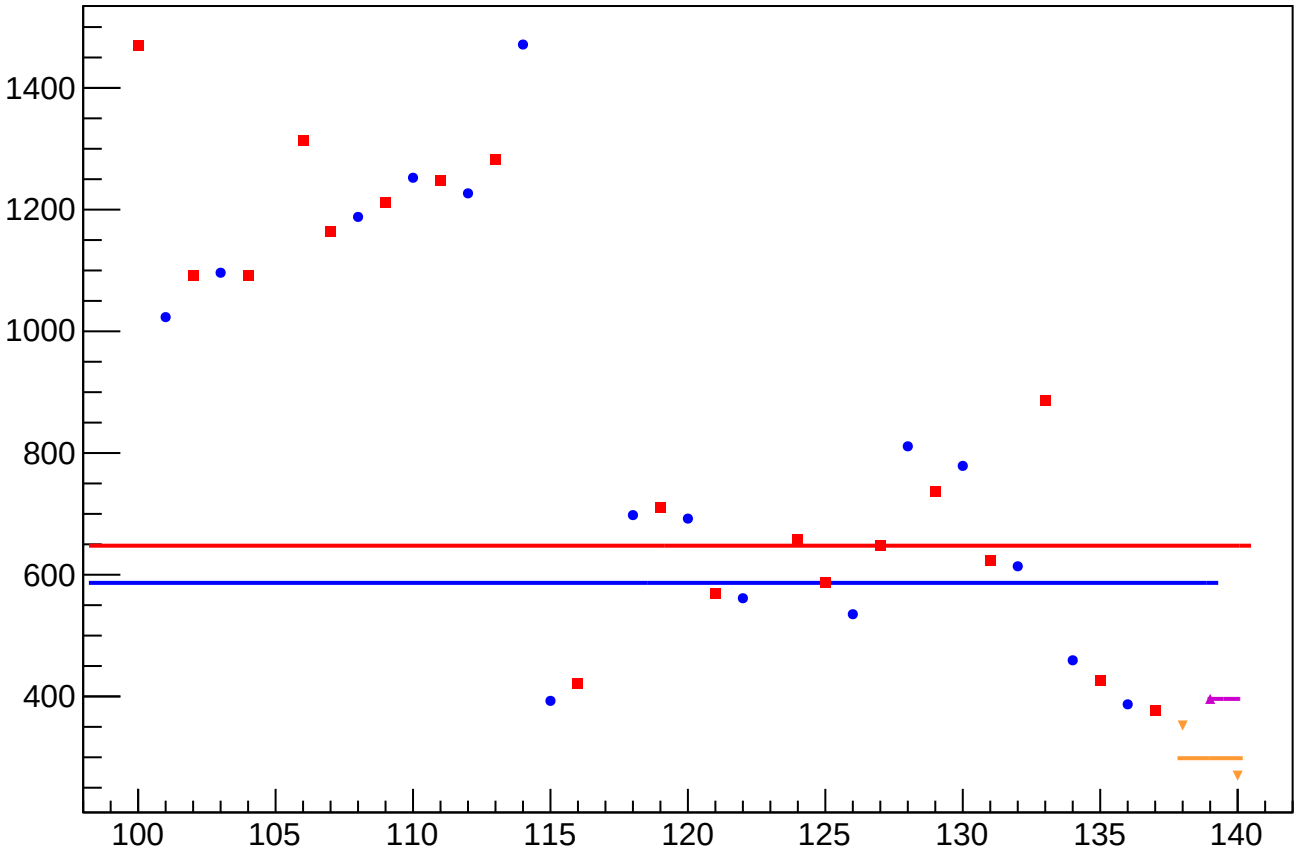
Left: -93.590+/-208.882 χ^2/NDF: 5.4/2

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -232.504+/-207.633 χ^2/NDF:21.5/16

Out: -1.097+/-174.753 χ^2/NDF:17.0/20

All: -97.048+/-133.701 χ^2/NDF: 39.2/37



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 298.511+/-0.169 χ^2/NDF:54057.4/1

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 395.978+/-0.305 χ^2/NDF:0.0/0

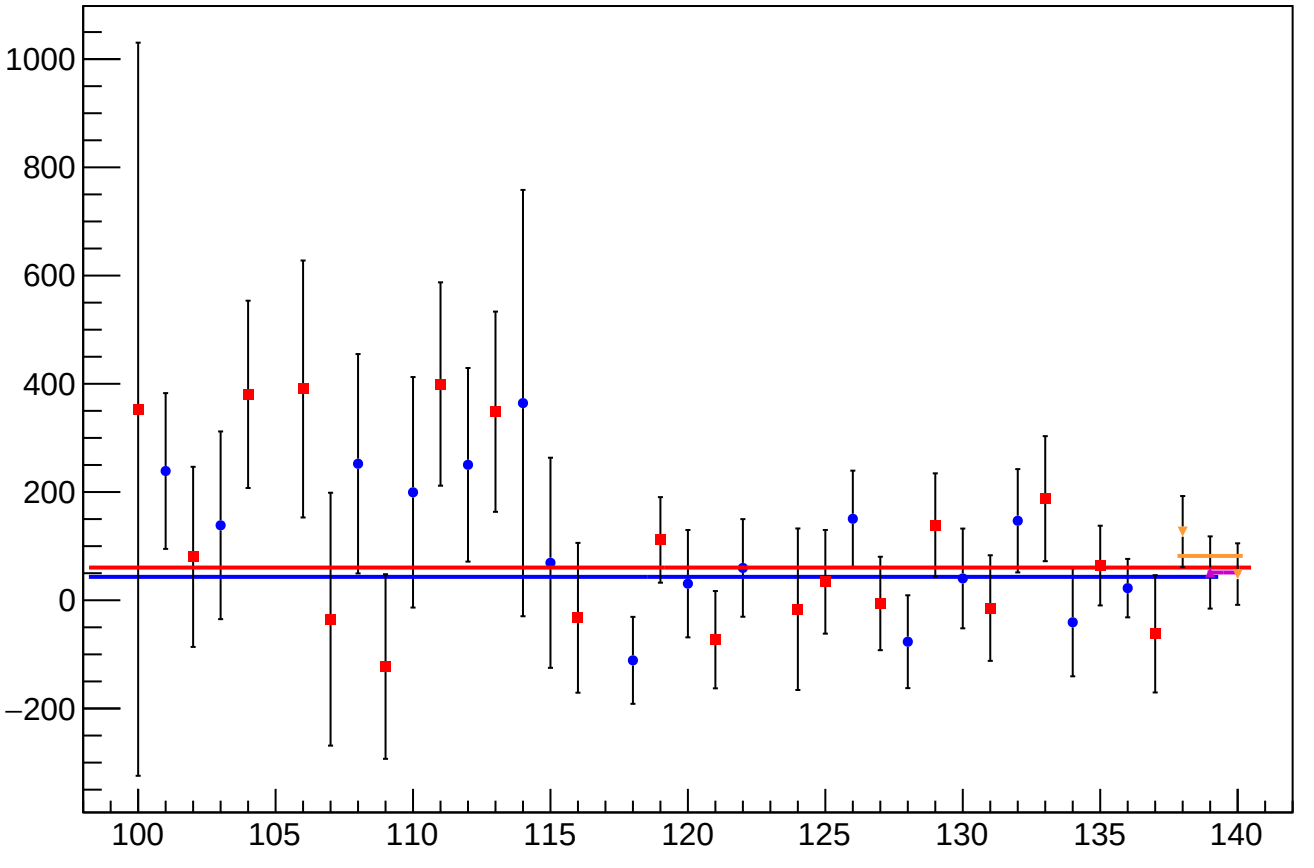
Left: 321.407+/-0.148 χ^2/NDF: 132319.8/2

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 542.389+/-0.147 χ^2/NDF:2353729.2/16

Out: 460.727+/-0.124 χ^2/NDF:4146420.6/20

All: 494.588+/-0.095 χ^2/NDF: 6681241.9/37



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 81.923+/-43.013 χ^2/NDF:0.8/1

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 51.330+/-66.707 χ^2/NDF:0.0/0

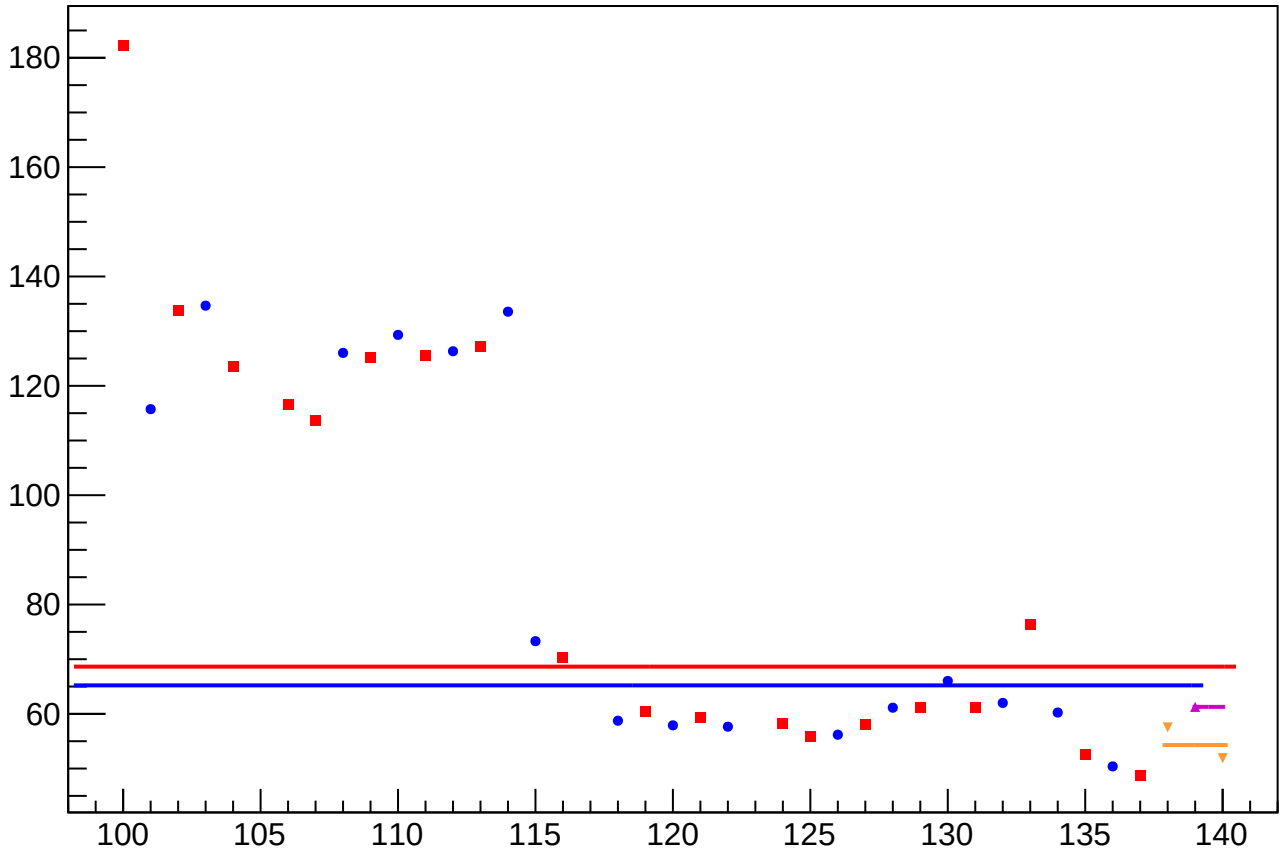
Left: 72.939+/-36.150 χ^2/NDF: 1.0/2

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 44.291+/-24.047 χ^2/NDF:15.0/16

Out: 66.473+/-22.804 χ^2/NDF:21.3/20

All: 55.970+/-16.547 χ^2/NDF: 36.7/37



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 54.302+/-0.030 χ^2/NDF:8388.9/1

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 61.282+/-0.047 χ^2/NDF:0.0/0

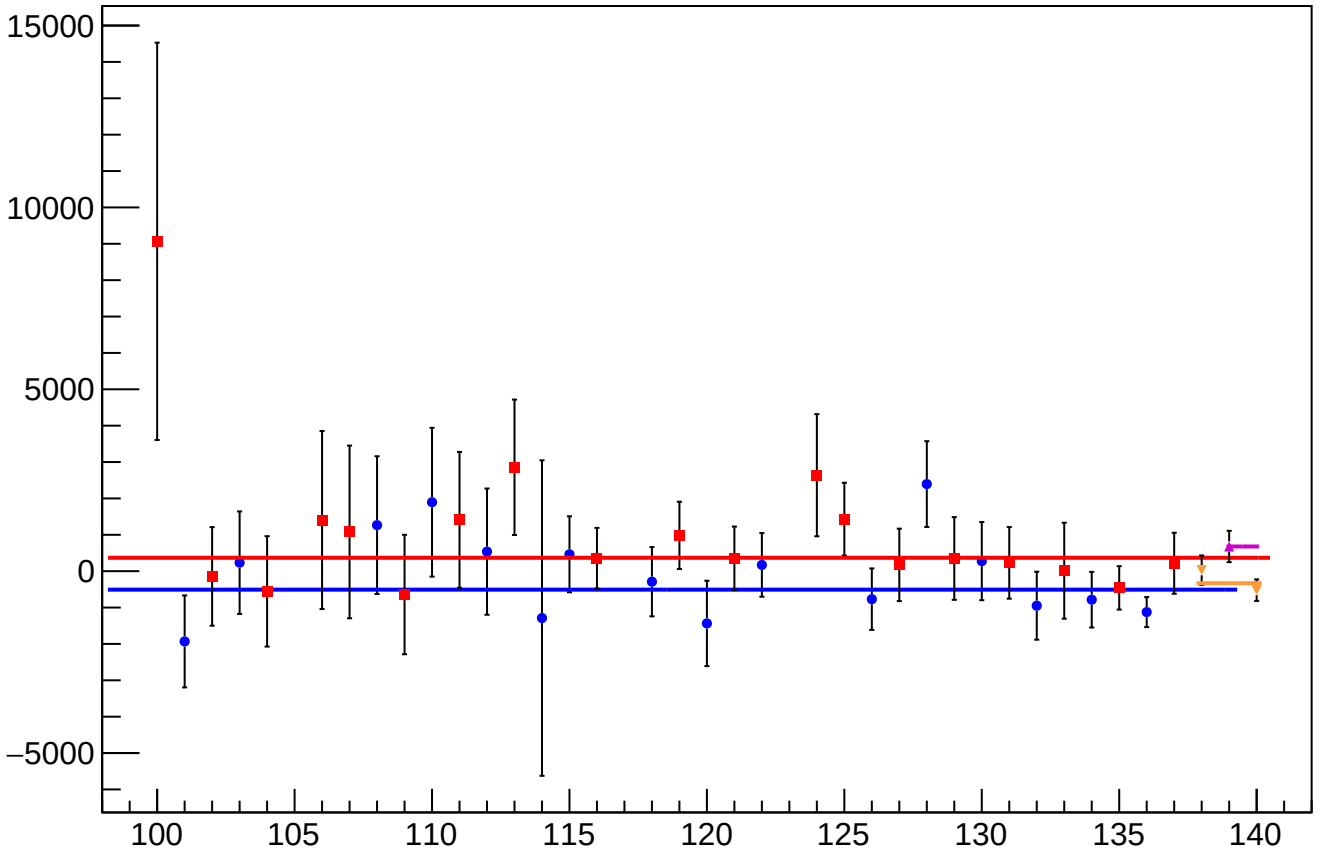
Left: 56.352+/-0.026 χ^2/NDF: 23854.4/2

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 64.702+/-0.017 χ^2/NDF:1452549.2/16

Out: 64.611+/-0.016 χ^2/NDF:1805759.2/20

All: 64.654+/-0.012 χ^2/NDF: 3258323.2/37



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -330.698+/-238.806 χ^2/NDF:1.2/1

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 678.694+/-430.972 χ^2/NDF:0.0/0

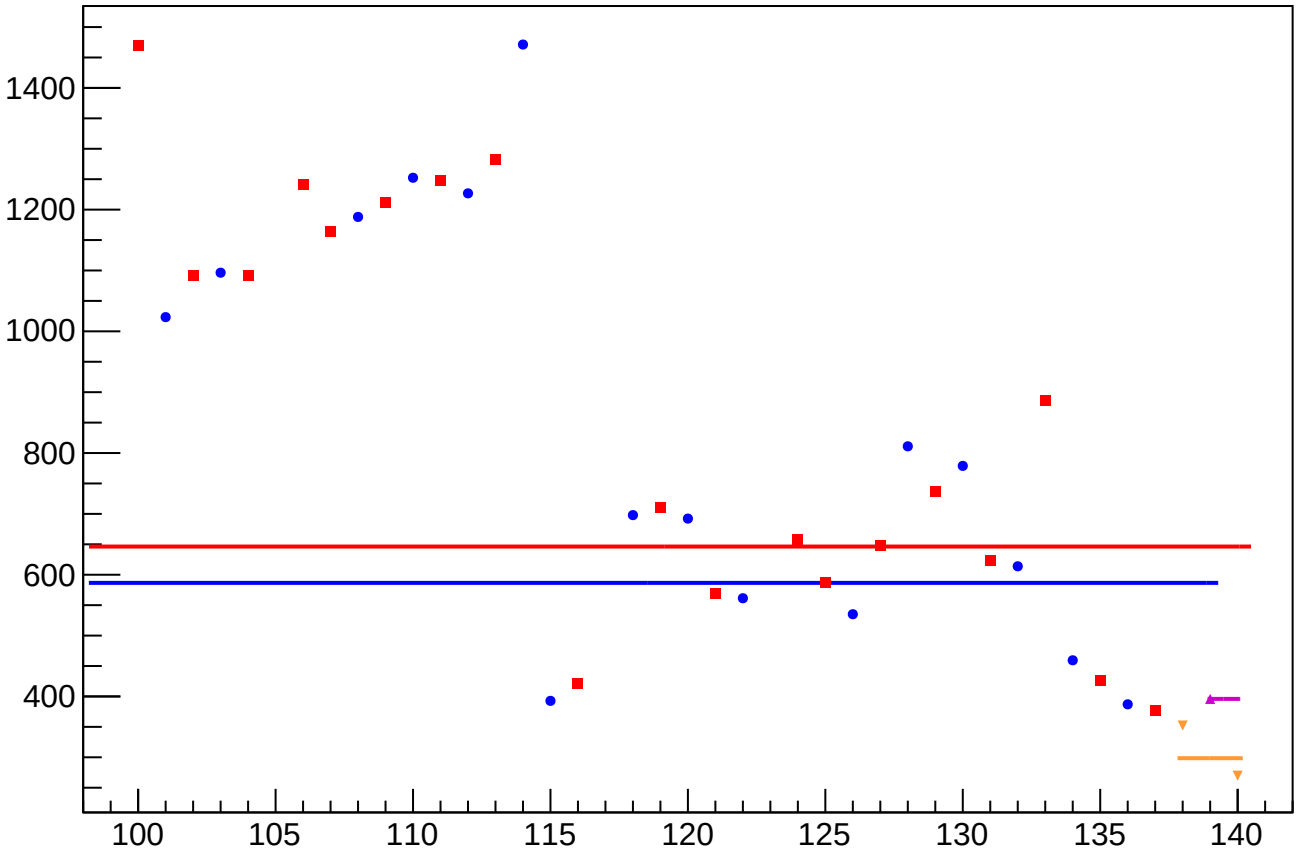
Left: -93.581+/-208.882 χ^2/NDF: 5.4/2

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -232.488+/-207.633 χ^2/NDF:21.5/16

Out: -6.168+/-174.793 χ^2/NDF:16.5/20

All: -100.035+/-133.719 χ^2/NDF: 38.6/37



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 298.511+/-0.169 χ^2/NDF:54057.8/1

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 395.977+/-0.305 χ^2/NDF:0.0/0

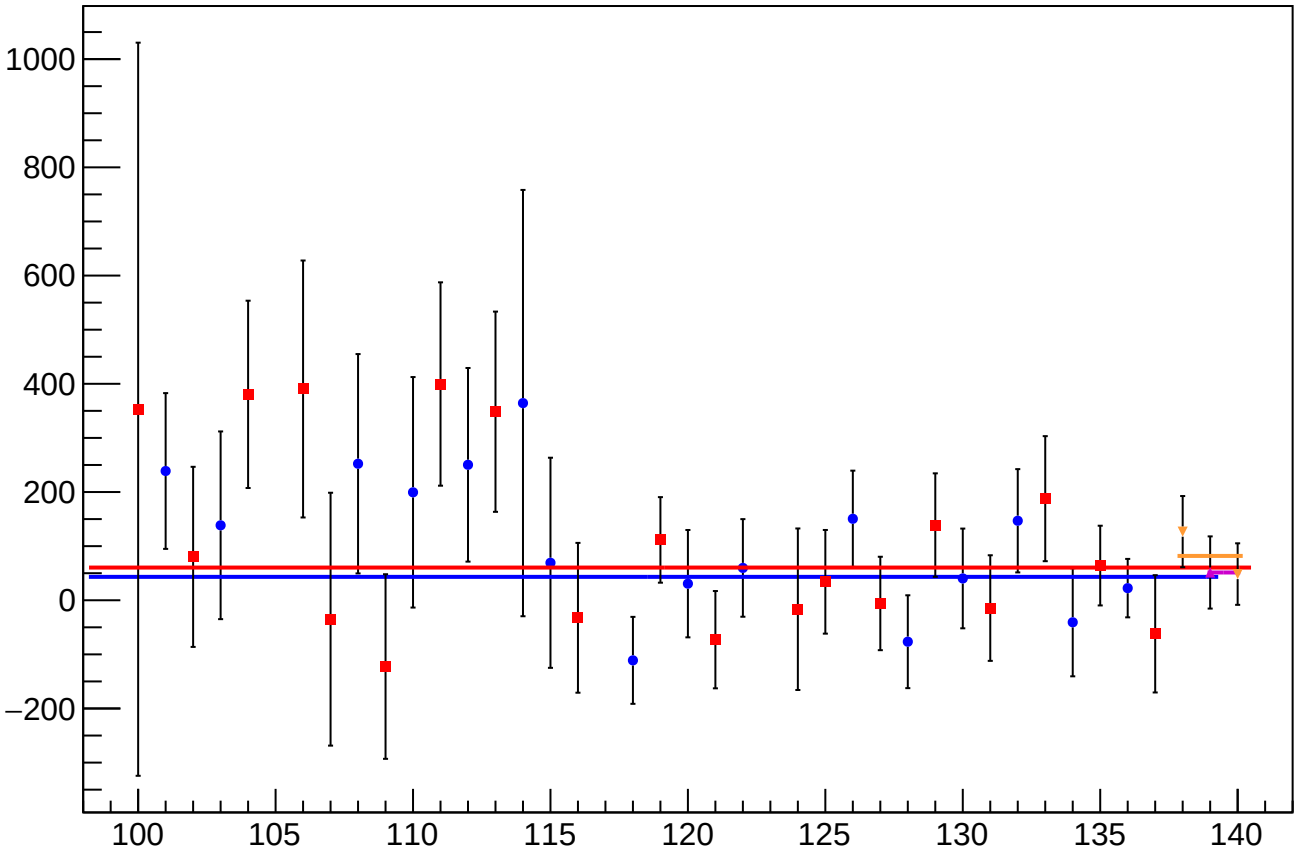
Left: 321.407+/-0.148 χ^2/NDF: 132320.5/2

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 542.389+/-0.147 χ^2/NDF:2353765.7/16

Out: 459.987+/-0.124 χ^2/NDF:4086942.1/20

All: 494.163+/-0.095 χ^2/NDF: 6625060.1/37



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 81.923+/-43.013 χ^2/NDF:0.8/1

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 51.330+/-66.707 χ^2/NDF:0.0/0

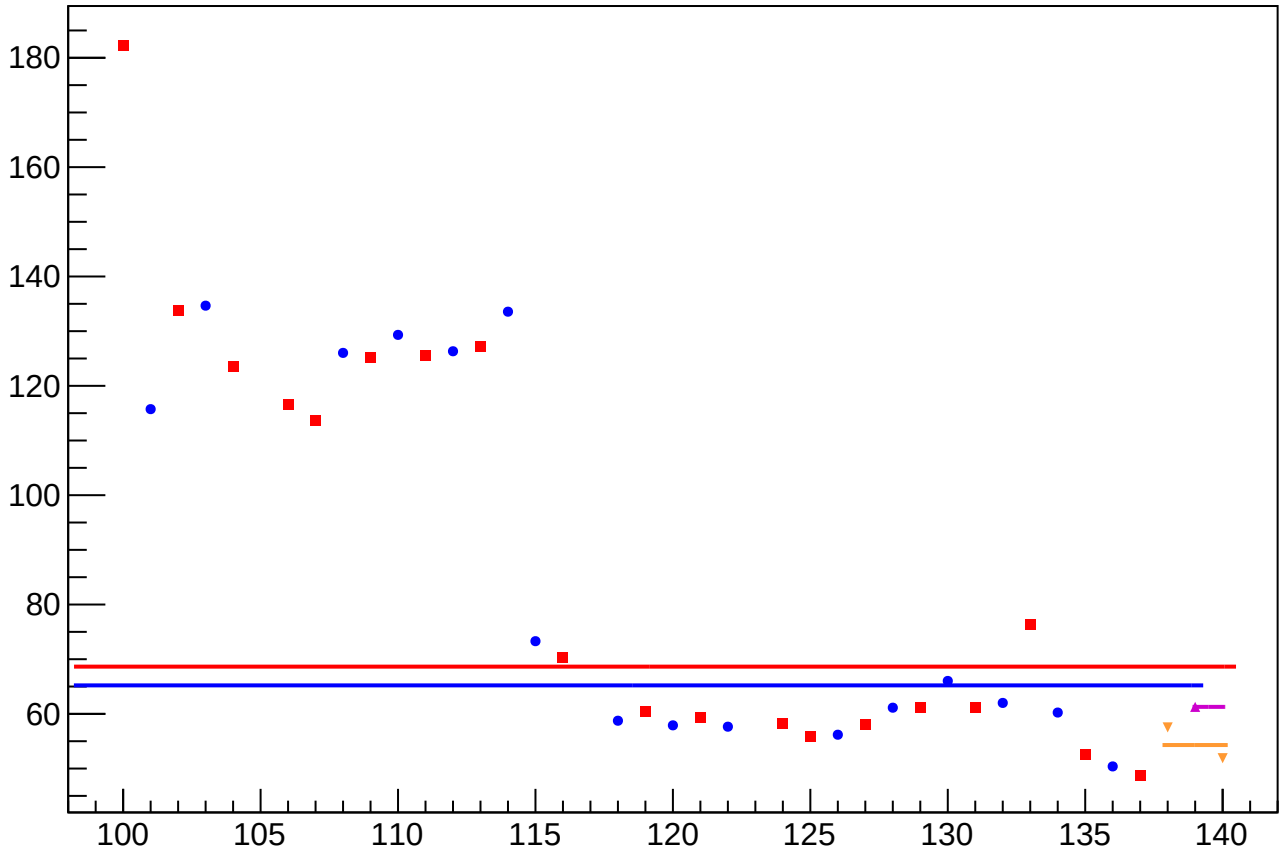
Left: 72.939+/-36.150 χ^2/NDF: 1.0/2

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 44.291+/-24.047 χ^2/NDF:15.0/16

Out: 66.473+/-22.804 χ^2/NDF:21.3/20

All: 55.970+/-16.547 χ^2/NDF: 36.7/37



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 54.302+/-0.030 χ^2/NDF:8388.9/1

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 61.282+/-0.047 χ^2/NDF:0.0/0

Left: 56.352+/-0.026 χ^2/NDF: 23854.4/2

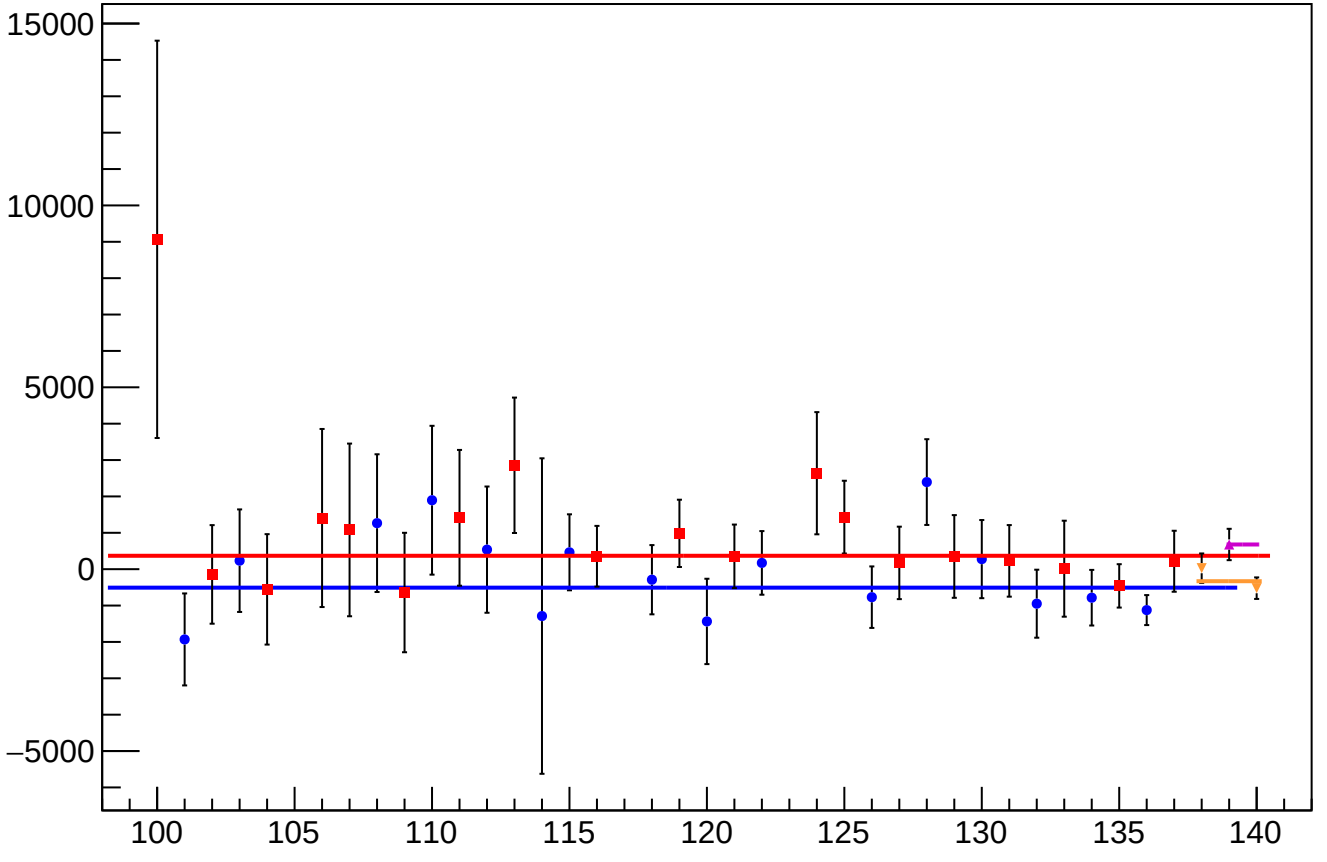
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 64.702+/-0.017 χ^2/NDF:1452549.2/16

Out: 64.611+/-0.016 χ^2/NDF:1805759.2/20

All: 64.654+/-0.012 χ^2/NDF: 3258323.2/37

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -330.698+/-238.806 χ^2/NDF:1.2/1

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 678.694+/-430.972 χ^2/NDF:0.0/0

Left: -93.581+/-208.882 χ^2/NDF: 5.4/2

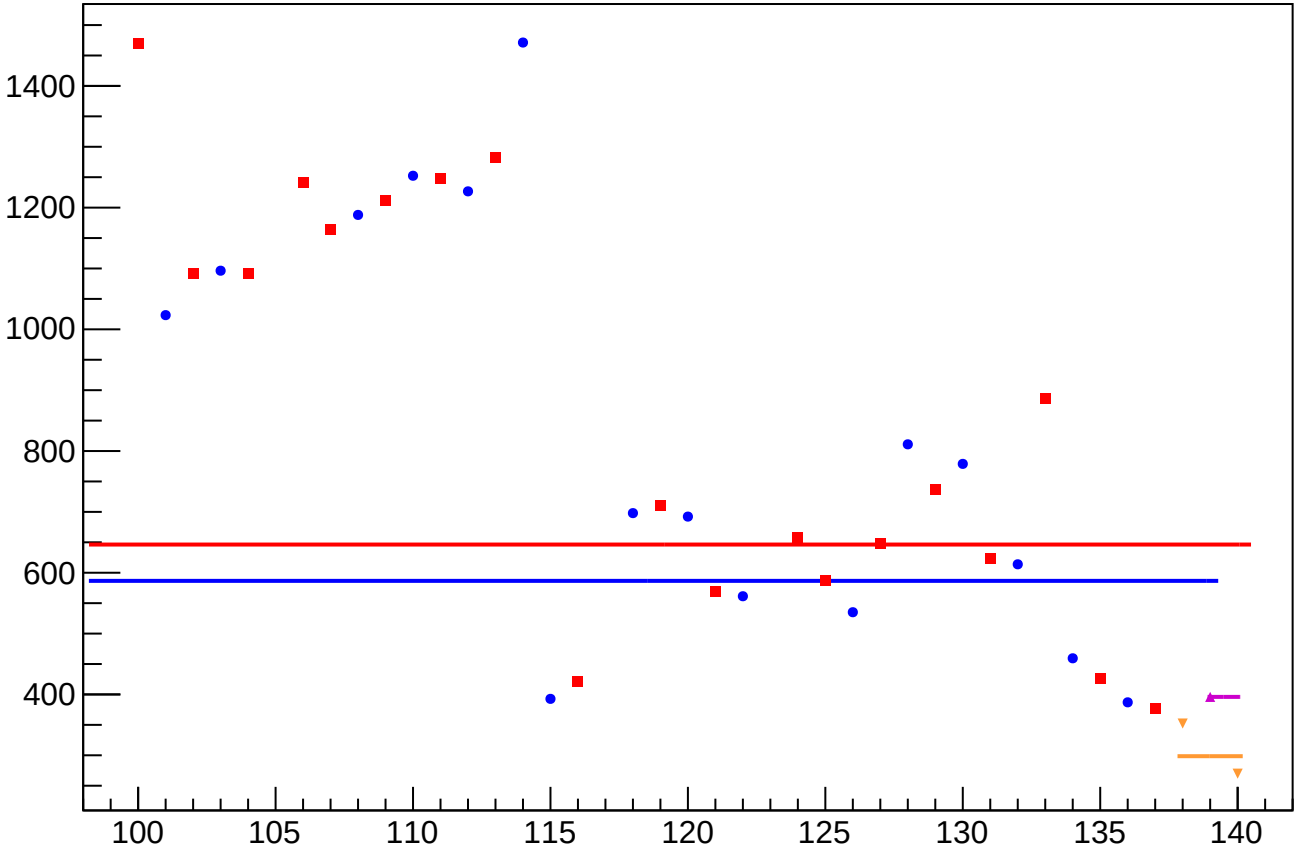
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -232.488+/-207.633 χ^2/NDF:21.5/16

Out: -6.168+/-174.793 χ^2/NDF:16.5/20

All: -100.035+/-133.719 χ^2/NDF: 38.6/37

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 298.511+/-0.169 χ^2/NDF:54057.8/1

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 395.977+/-0.305 χ^2/NDF:0.0/0

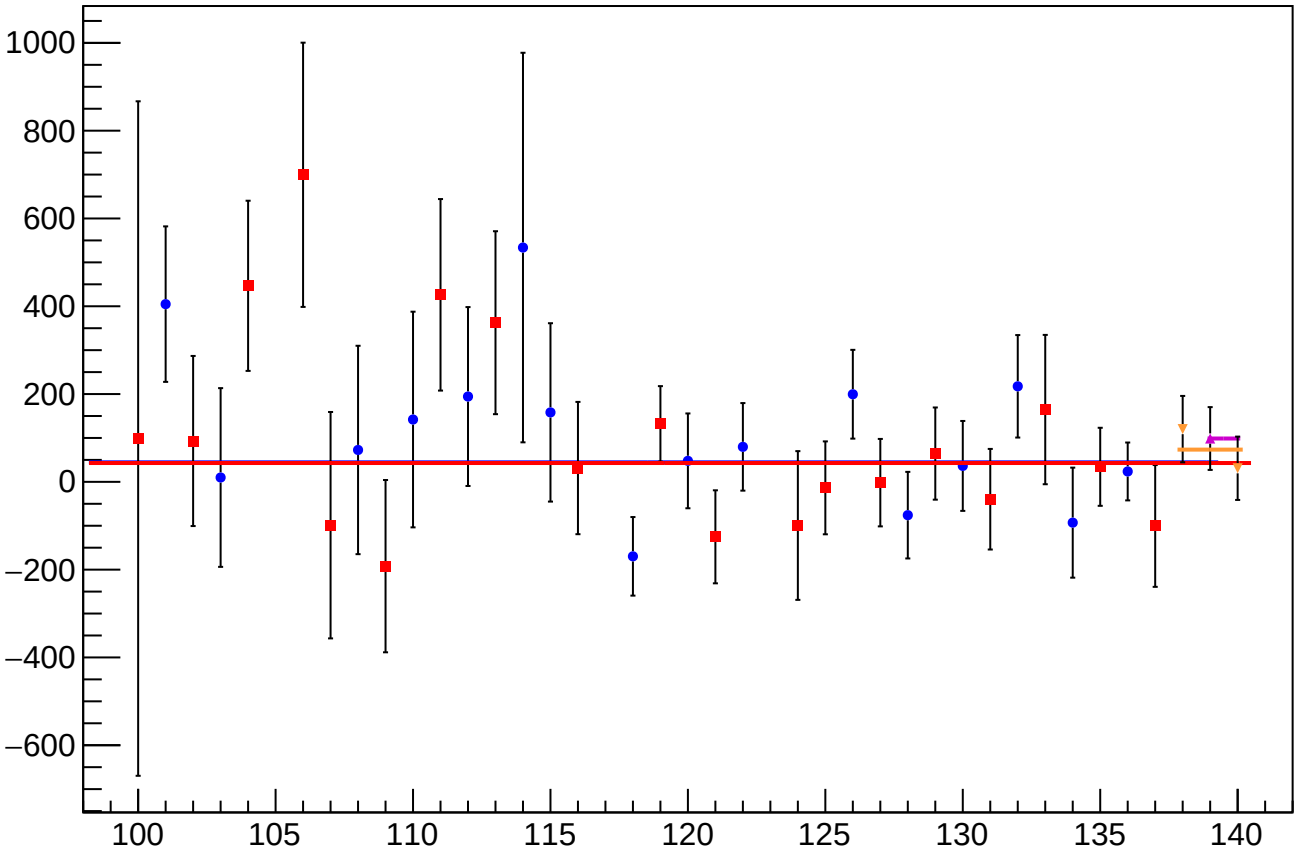
Left: 321.407+/-0.148 χ^2/NDF: 132320.5/2

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 542.389+/-0.147 χ^2/NDF:2353765.7/16

Out: 459.987+/-0.124 χ^2/NDF:4086942.1/20

All: 494.163+/-0.095 χ^2/NDF: 6625060.1/37



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 73.437+/-52.198 χ^2/NDF:0.7/1

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 98.731+/-71.526 χ^2/NDF:0.0/0

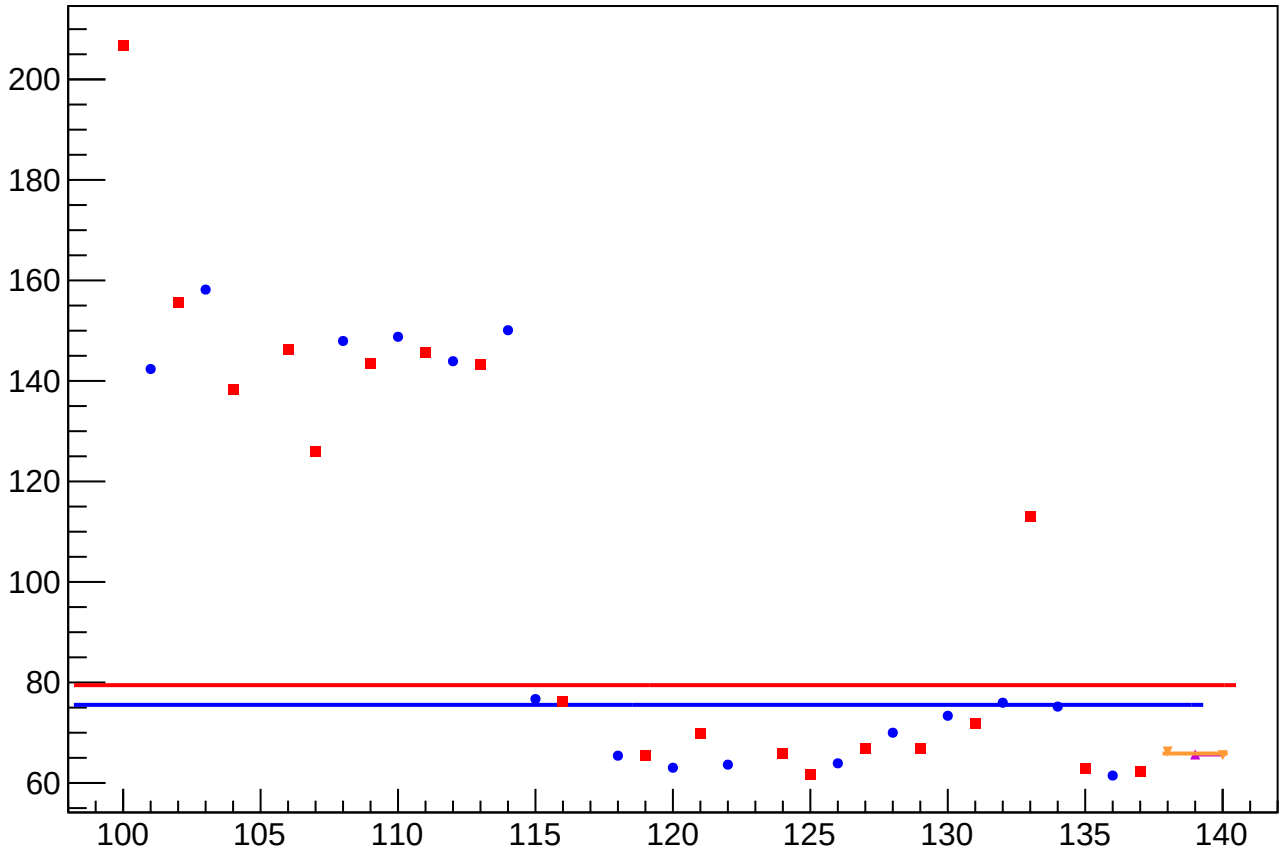
Left: 82.226+/-42.164 χ^2/NDF: 0.8/2

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 52.475+/-27.593 χ^2/NDF:20.1/16

Out: 50.957+/-26.811 χ^2/NDF:24.3/20

All: 51.694+/-19.229 χ^2/NDF: 44.4/37



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 65.862+/-0.037 χ^2/NDF:96.1/1

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 65.673+/-0.051 χ^2/NDF:0.0/0

Left: 65.797+/-0.030 χ^2/NDF: 105.3/2

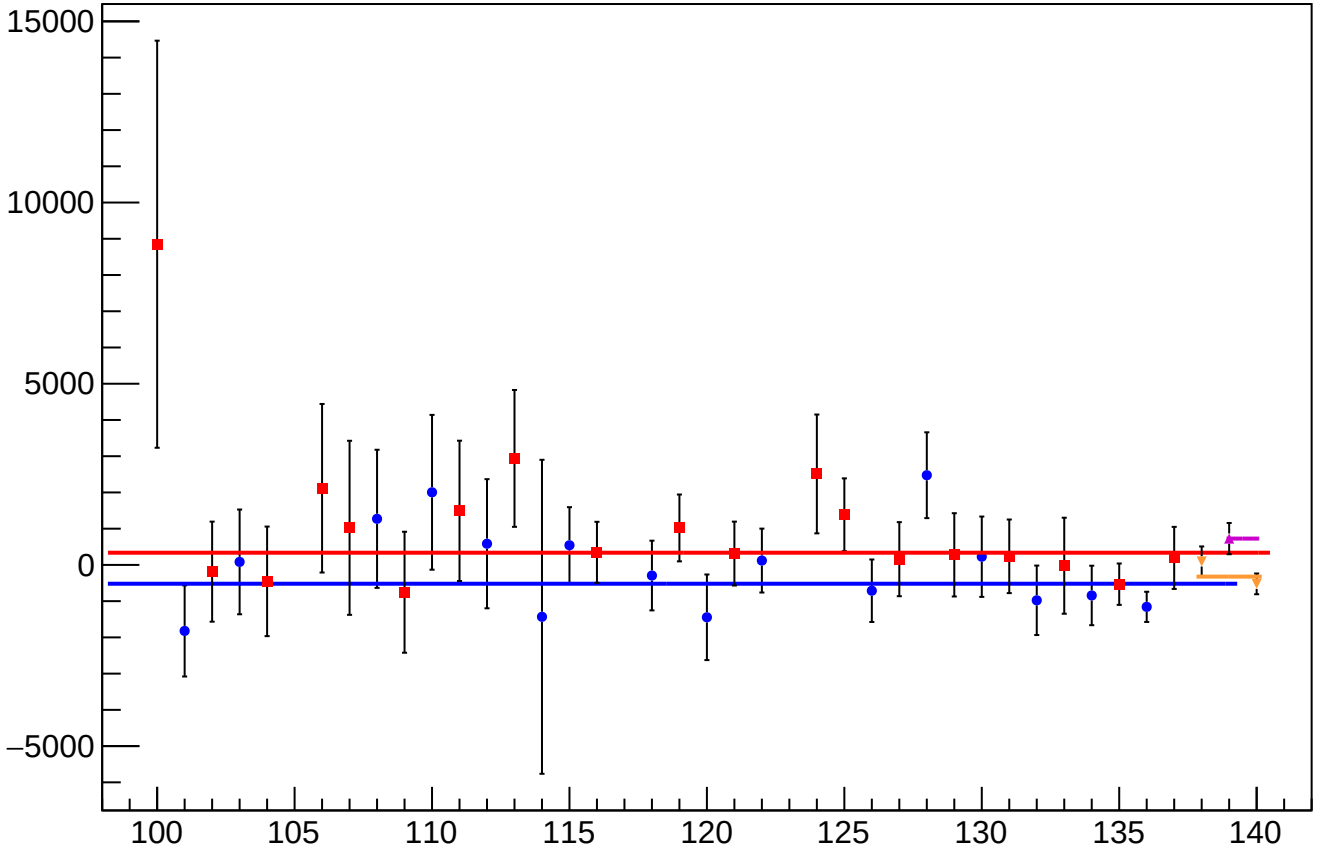
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 74.075+/-0.020 χ^2/NDF:1497977.0/16

Out: 75.877+/-0.019 χ^2/NDF:1783723.7/20

All: 75.002+/-0.014 χ^2/NDF: 3286085.1/37

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -323.129+/-235.409 χ^2/NDF:1.5/1

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 726.525+/-431.014 χ^2/NDF:0.0/0

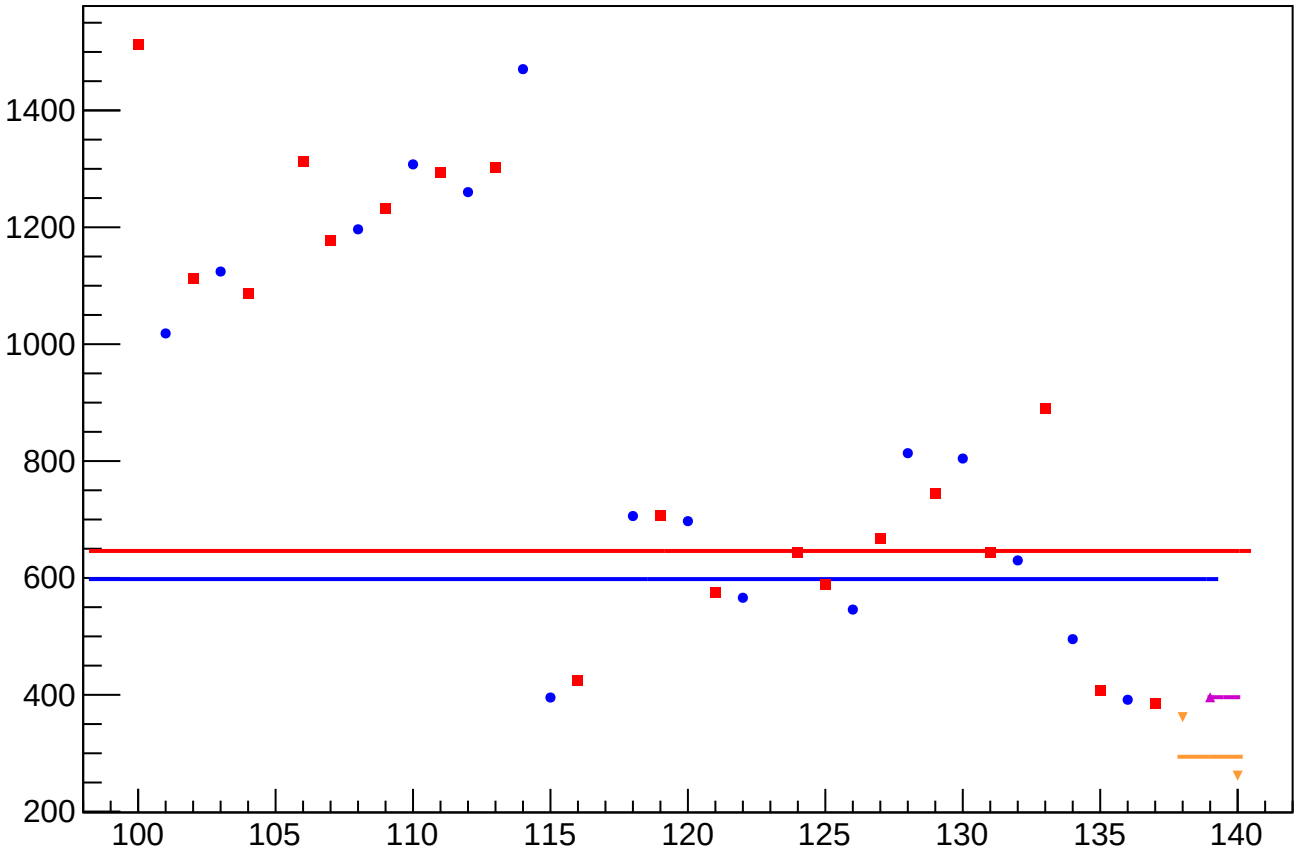
Left: -81.955+/-206.602 χ^2/NDF: 6.1/2

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -221.939+/-210.561 χ^2/NDF:22.2/16

Out: -21.590+/-173.473 χ^2/NDF:17.0/20

All: -102.595+/-133.887 χ^2/NDF: 39.7/37



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 294.076+/-0.166 χ^2/NDF:79154.7/1

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 395.958+/-0.305 χ^2/NDF:0.0/0

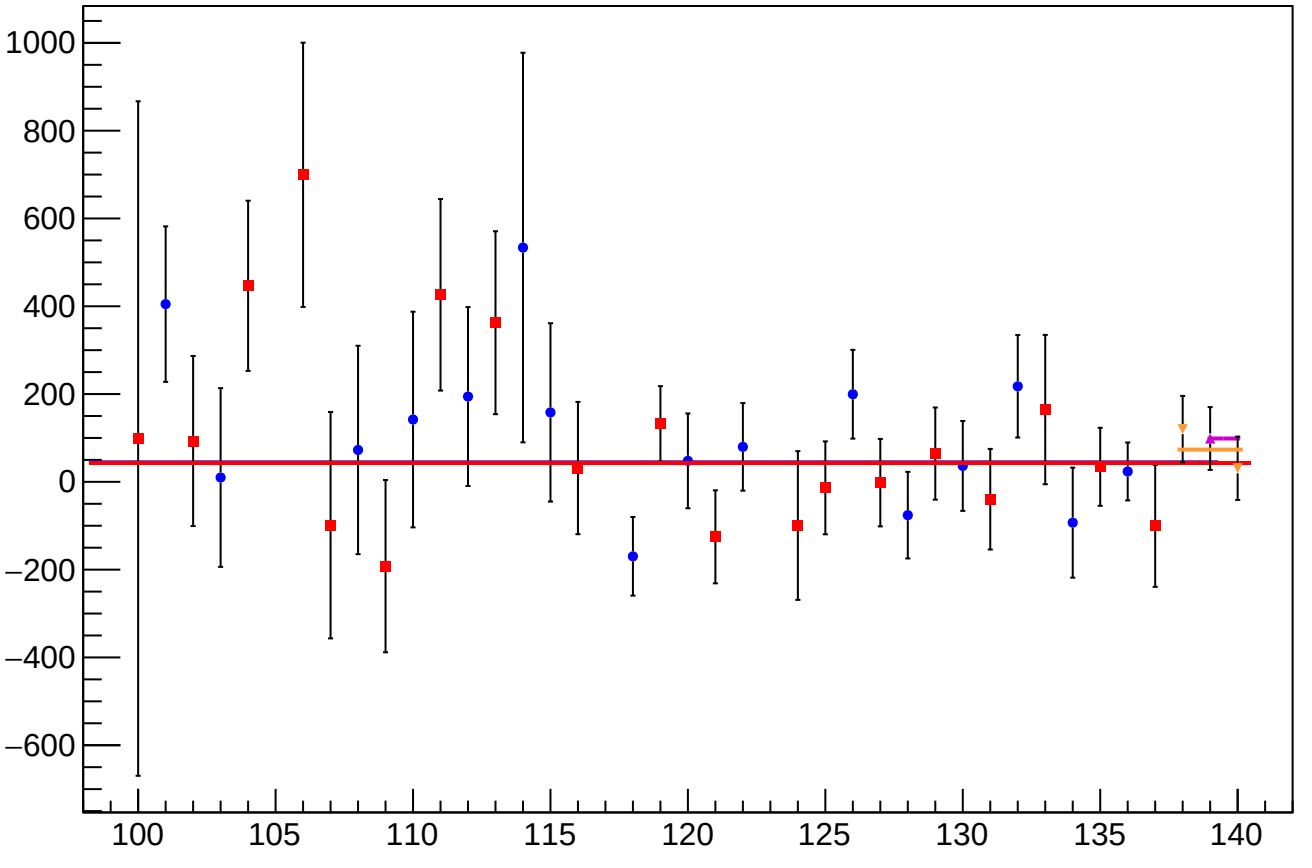
Left: 317.485+/-0.146 χ^2/NDF: 165227.9/2

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 549.815+/-0.149 χ^2/NDF:2382559.6/16

Out: 454.983+/-0.123 χ^2/NDF:4329363.9/20

All: 493.325+/-0.095 χ^2/NDF: 6953580.6/37



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 73.434+/-52.198 χ^2/NDF:0.7/1

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 98.730+/-71.526 χ^2/NDF:0.0/0

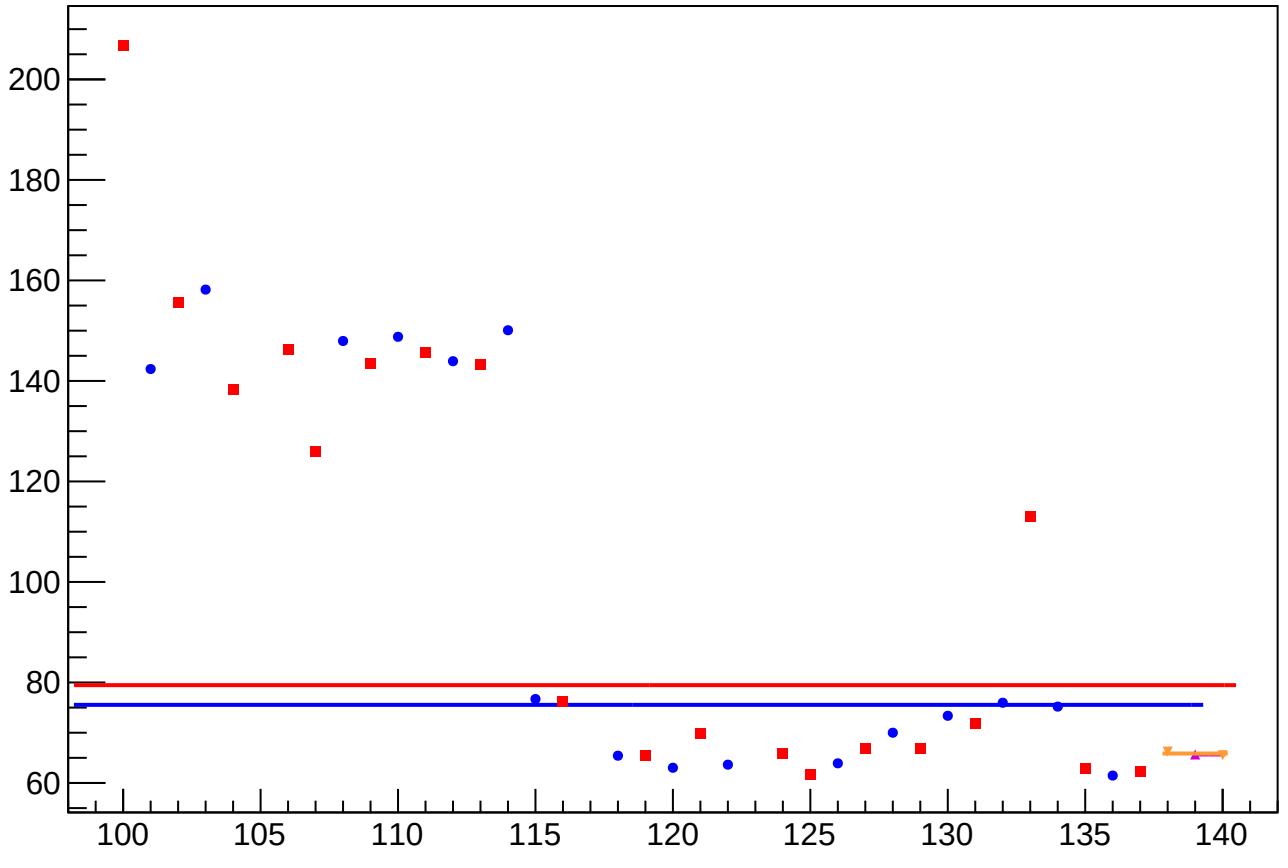
Left: 82.224+/-42.164 χ^2/NDF: 0.8/2

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 52.476+/-27.593 χ^2/NDF:20.1/16

Out: 50.956+/-26.811 χ^2/NDF:24.3/20

All: 51.694+/-19.229 χ^2/NDF: 44.4/37



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 65.862+/-0.037 χ^2/NDF:96.0/1

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 65.673+/-0.051 χ^2/NDF:0.0/0

Left: 65.797+/-0.030 χ^2/NDF: 105.2/2

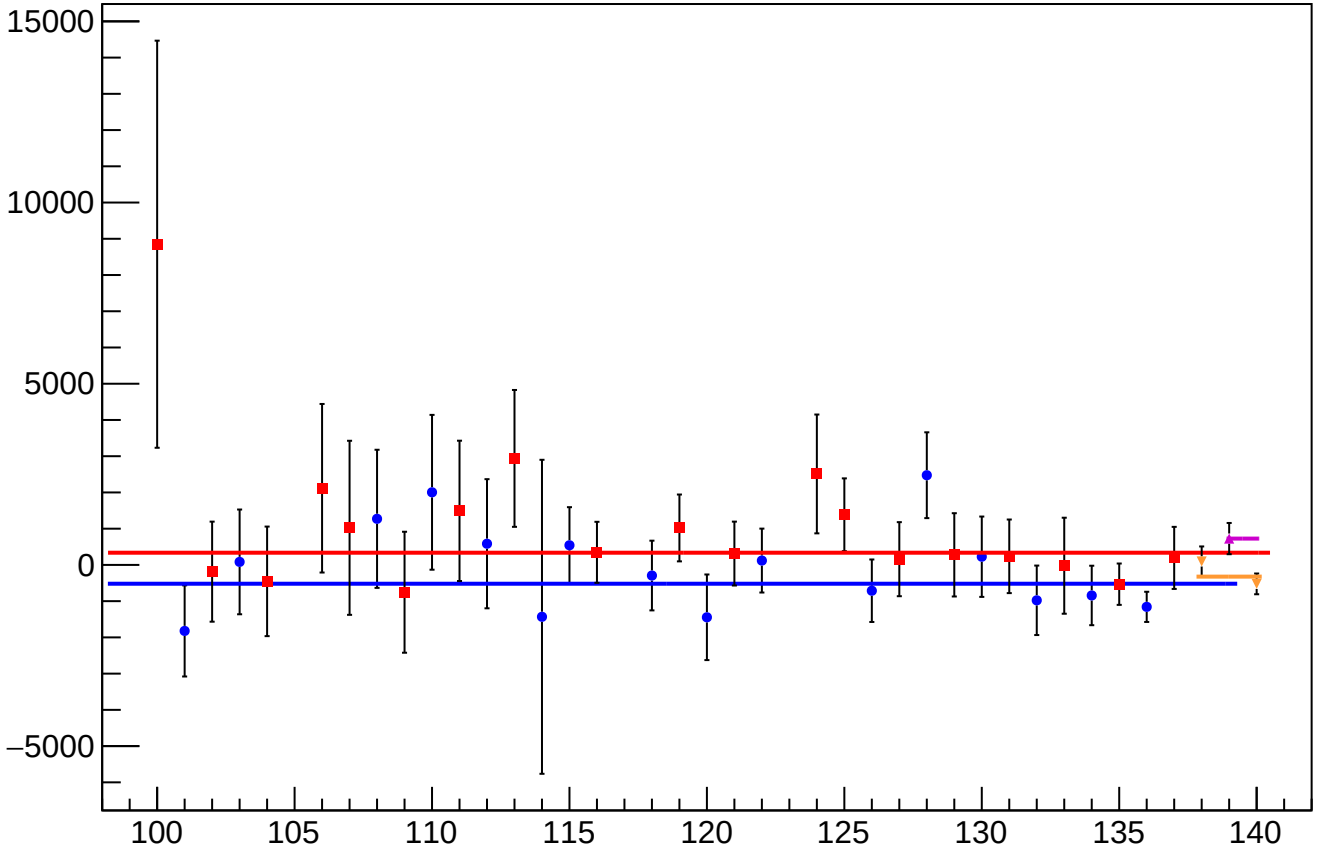
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 74.075+/-0.020 χ^2/NDF:1497958.4/16

Out: 75.876+/-0.019 χ^2/NDF:1783712.9/20

All: 75.002+/-0.014 χ^2/NDF: 3286055.8/37

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -323.130+/-235.408 χ^2/NDF:1.5/1

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 726.523+/-431.012 χ^2/NDF:0.0/0

Left: -81.954+/-206.601 χ^2/NDF: 6.1/2

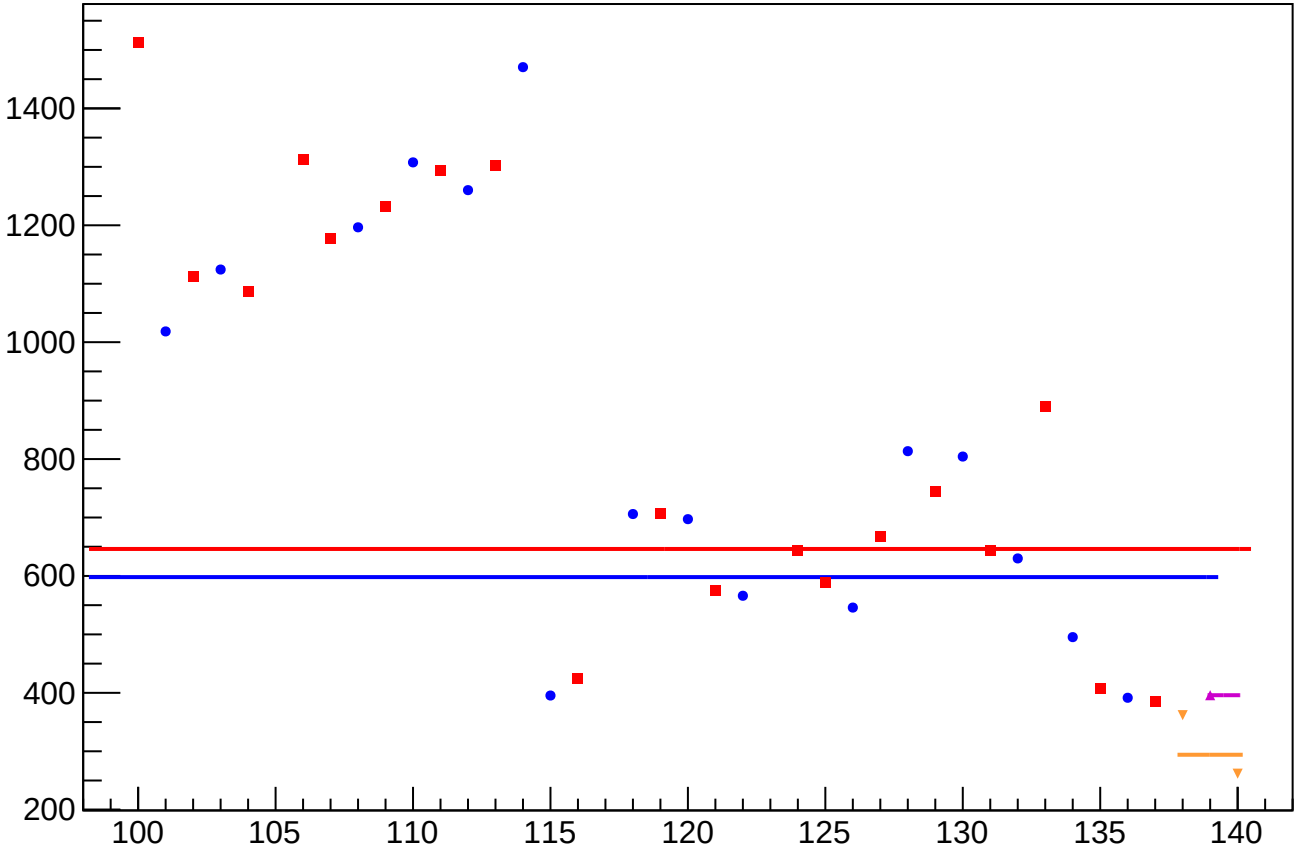
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -221.935+/-210.560 χ^2/NDF:22.2/16

Out: -21.590+/-173.473 χ^2/NDF:17.0/20

All: -102.594+/-133.887 χ^2/NDF: 39.7/37

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 294.075+/-0.166 χ^2/NDF:79152.5/1

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 395.956+/-0.305 χ^2/NDF:0.0/0

Left: 317.484+/-0.146 χ^2/NDF: 165223.7/2

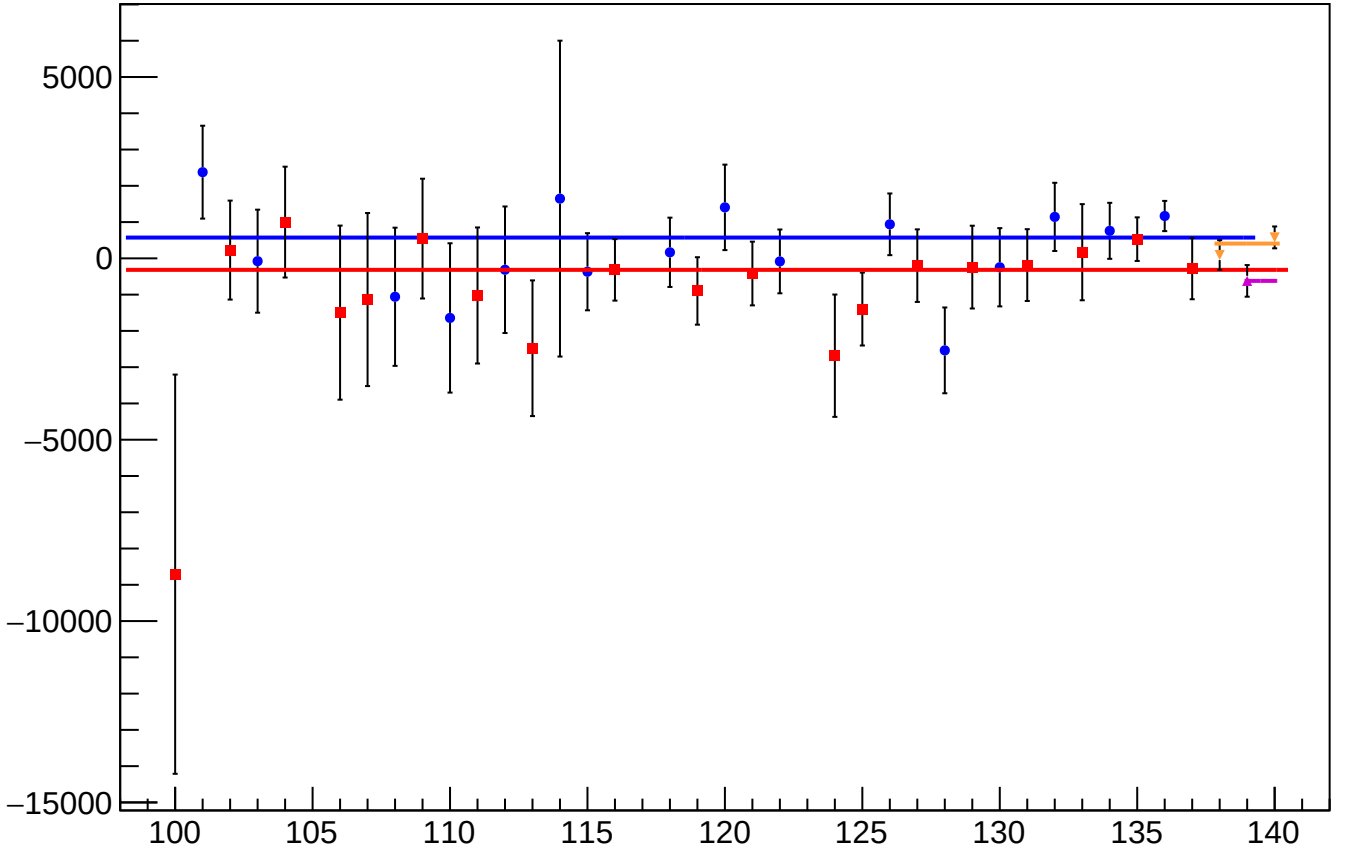
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 549.814+/-0.149 χ^2/NDF:2382550.1/16

Out: 454.982+/-0.123 χ^2/NDF:4329353.7/20

All: 493.324+/-0.095 χ^2/NDF: 6953559.2/37

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 407.464+/-242.810 χ^2/NDF:0.9/1

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -620.996+/-436.127 χ^2/NDF:0.0/0

Left: 164.111+/-212.147 χ^2/NDF: 5.2/2

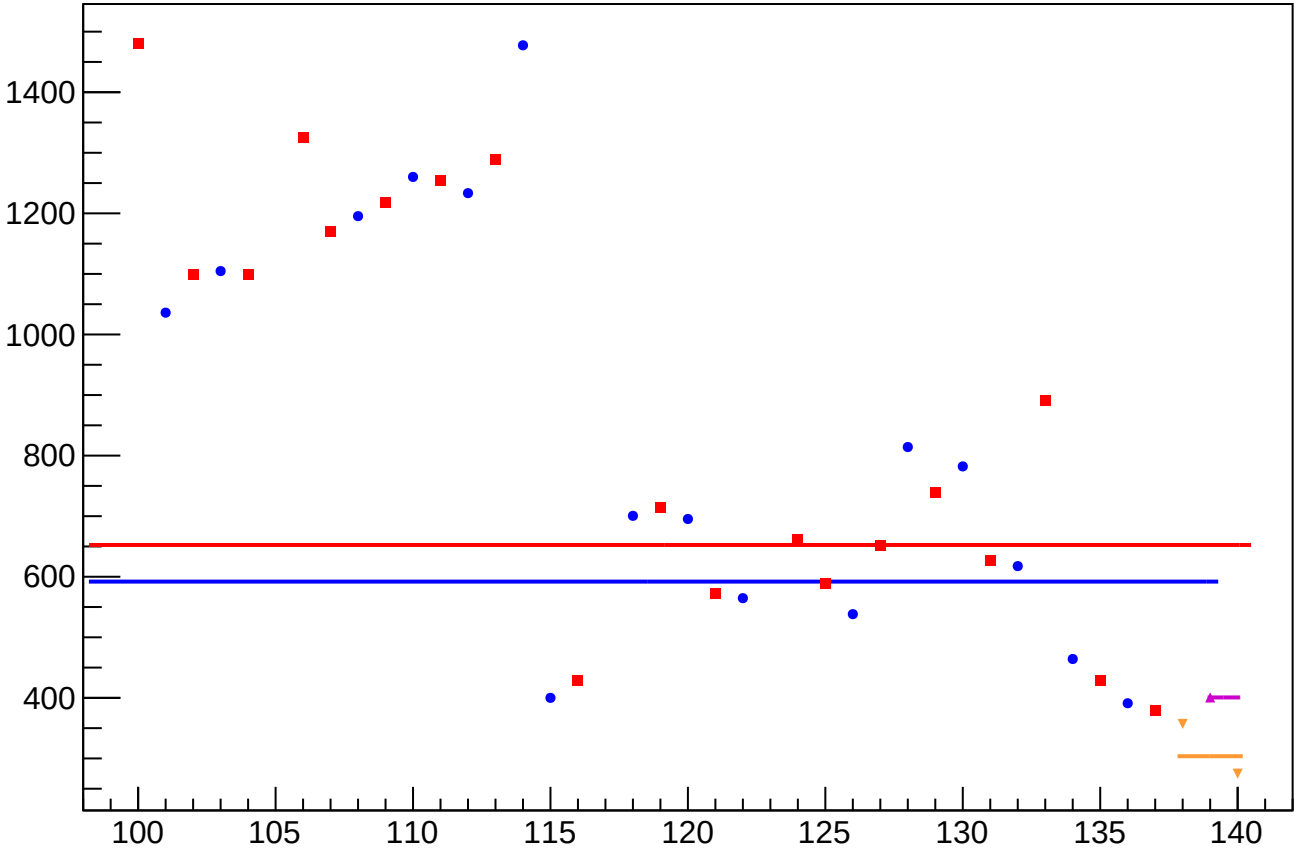
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 297.671+/-209.539 χ^2/NDF:22.3/16

Out: 67.598+/-176.896 χ^2/NDF:16.1/20

All: 163.337+/-135.169 χ^2/NDF: 39.1/37

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 303.650+/-0.172 χ^2/NDF:52074.6/1

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 400.717+/-0.308 χ^2/NDF:0.0/0

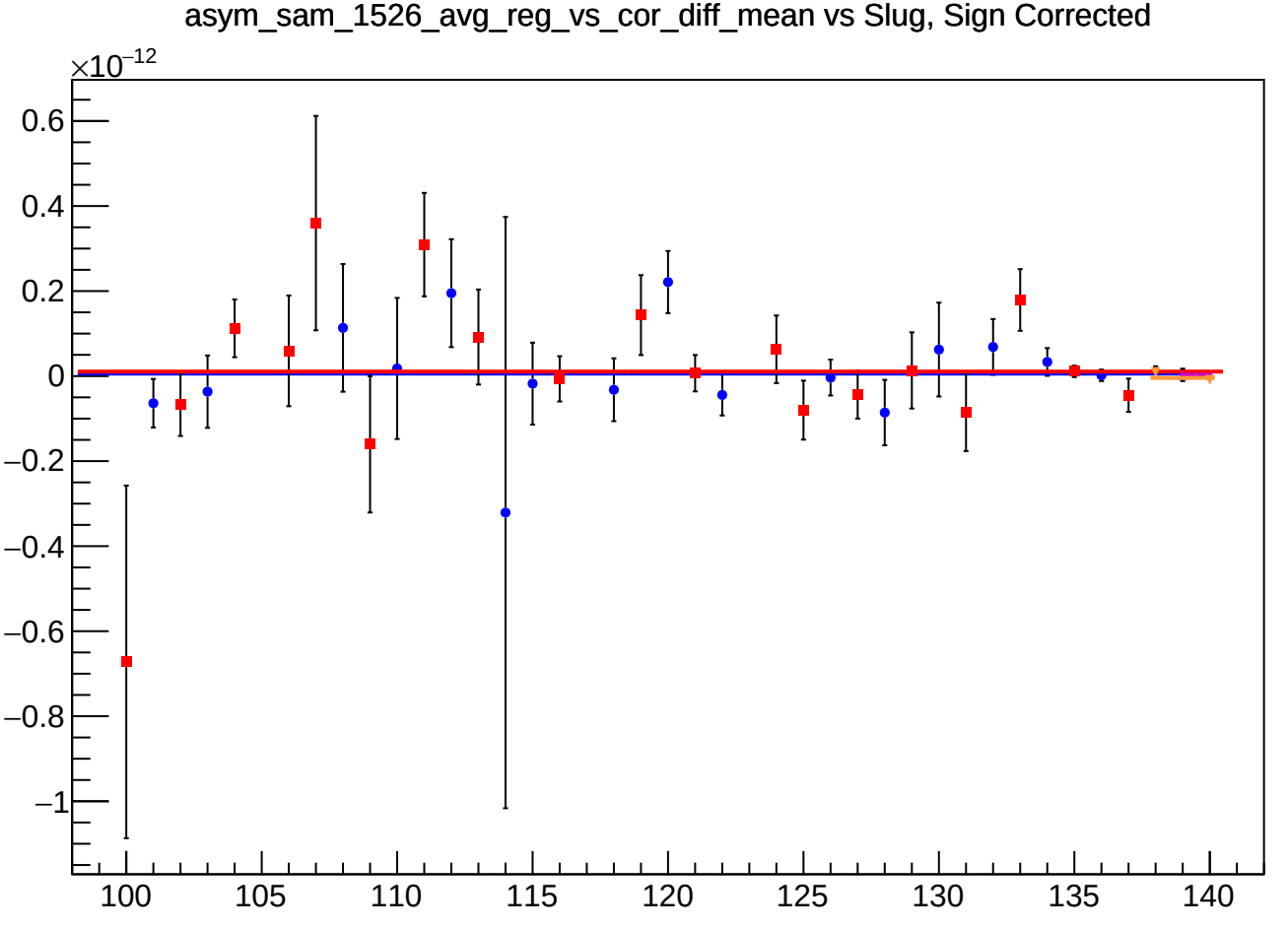
Left: 326.618+/-0.150 χ^2/NDF: 127703.9/2

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 547.825+/-0.148 χ^2/NDF:2331541.3/16

Out: 467.324+/-0.125 χ^2/NDF:4078762.6/20

All: 500.823+/-0.096 χ^2/NDF: 6582658.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

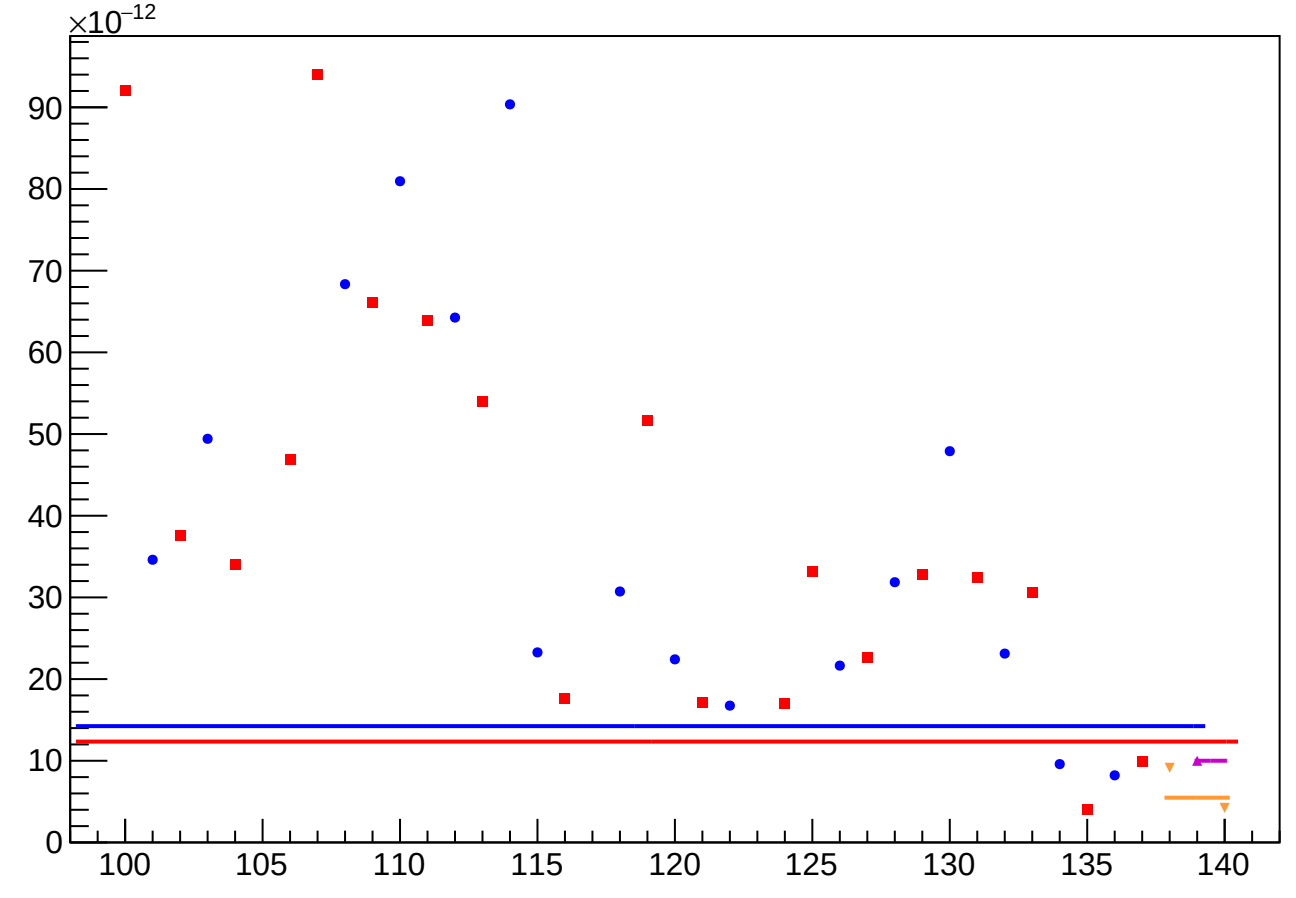
Left: -0.000+/-0.000 χ^2/NDF: 1.5/2

Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:18.3/16

Out: 0.000+/-0.000 χ^2/NDF:32.1/20

All: 0.000+/-0.000 χ^2/NDF: 50.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:187884.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

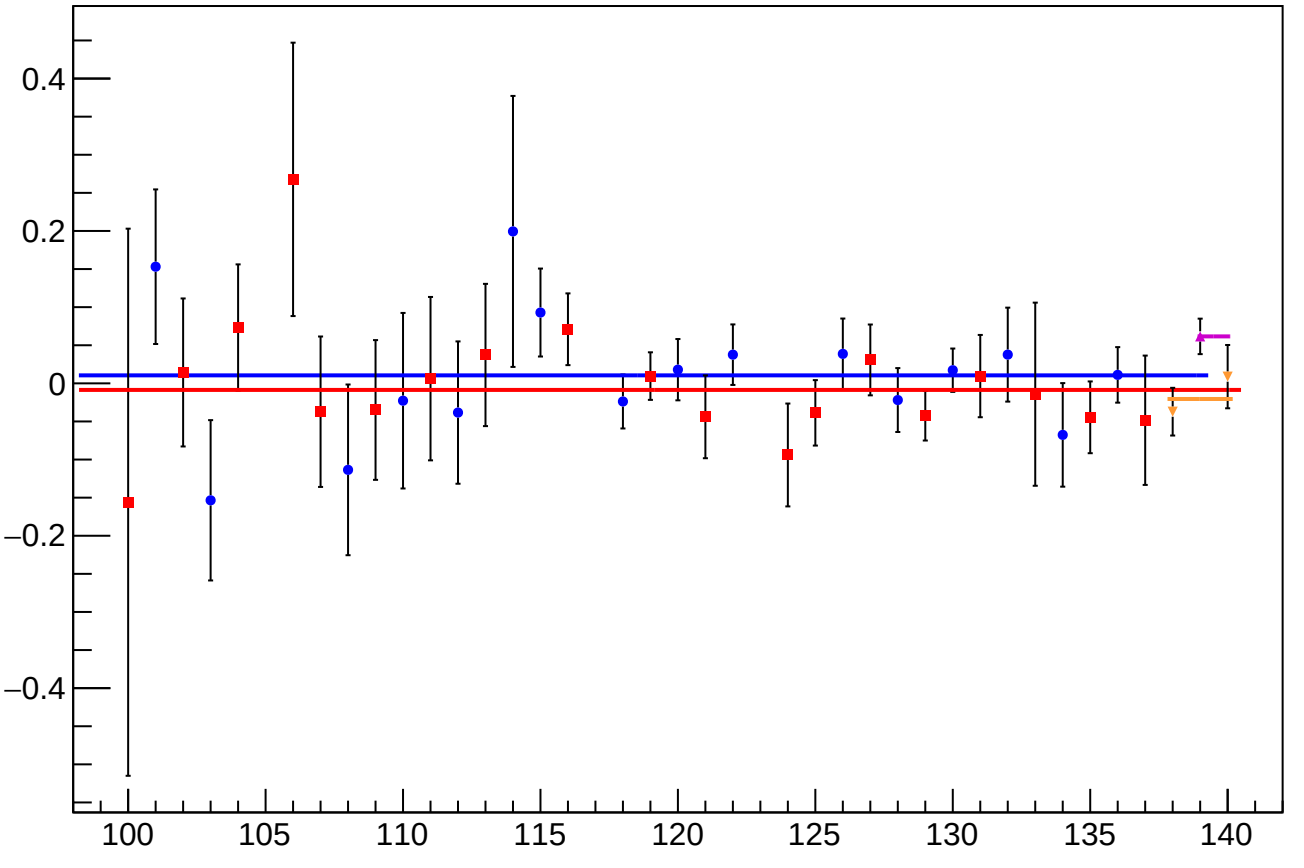
Left: 0.000+/-0.000 χ^2/NDF: 345908.4/2

Right: 0.000+/-0.000 χ^2/NDF: 5998748.7/34

In: 0.000+/-0.000 χ^2/NDF:2605366.9/16

Out: 0.000+/-0.000 χ^2/NDF:4250937.9/20

All: 0.000+/-0.000 χ^2/NDF: 7365932.3/37



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.025 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.062+/-0.023 χ^2/NDF:0.0/0

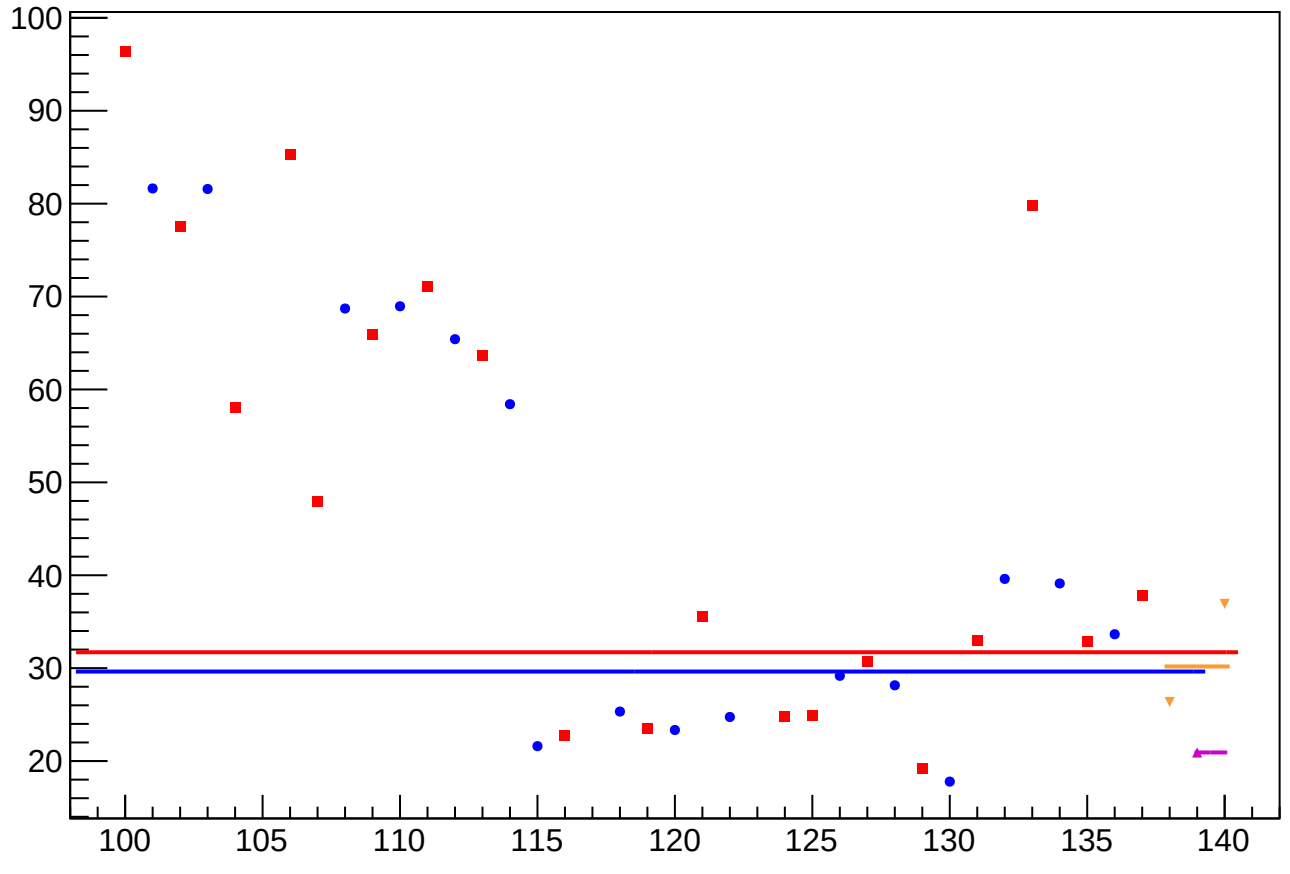
Left: 0.023+/-0.017 χ^2/NDF: 6.6/2

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.022+/-0.011 χ^2/NDF:16.9/16

Out: -0.011+/-0.012 χ^2/NDF:13.4/20

All: 0.006+/-0.008 χ^2/NDF: 34.5/37



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.184+/-0.018 χ^2/NDF:82447.7/1

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 20.925+/-0.016 χ^2/NDF:0.0/0

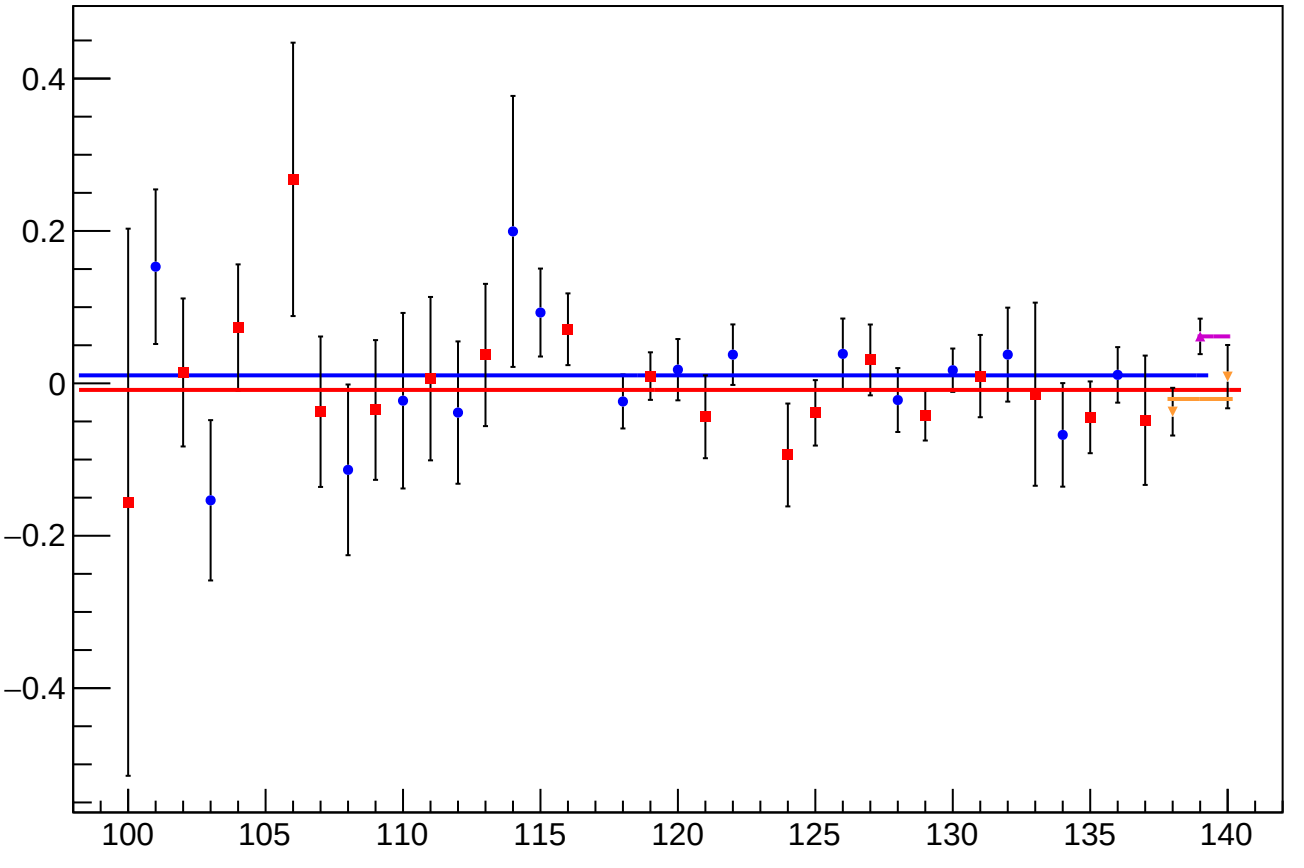
Left: 25.225+/-0.012 χ^2/NDF: 229388.7/2

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 27.671+/-0.008 χ^2/NDF:2665327.8/16

Out: 31.377+/-0.008 χ^2/NDF:2739755.1/20

All: 29.419+/-0.006 χ^2/NDF: 5511113.2/37



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.025 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.062+/-0.023 χ^2/NDF:0.0/0

Left: 0.023+/-0.017 χ^2/NDF: 6.6/2

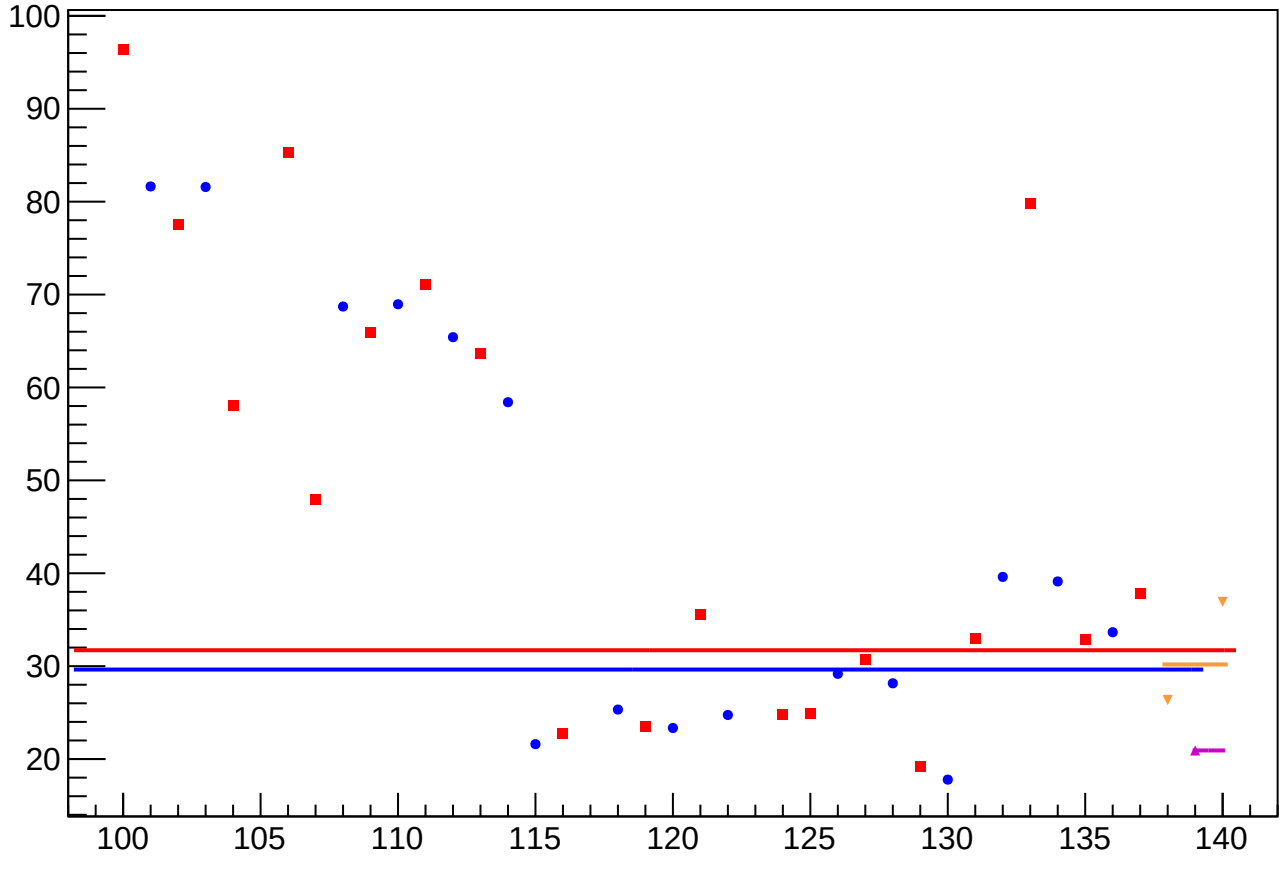
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.022+/-0.011 χ^2/NDF:16.9/16

Out: -0.011+/-0.012 χ^2/NDF:13.4/20

All: 0.006+/-0.008 χ^2/NDF: 34.5/37

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.184+/-0.018 χ^2/NDF:82447.7/1

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 20.925+/-0.016 χ^2/NDF:0.0/0

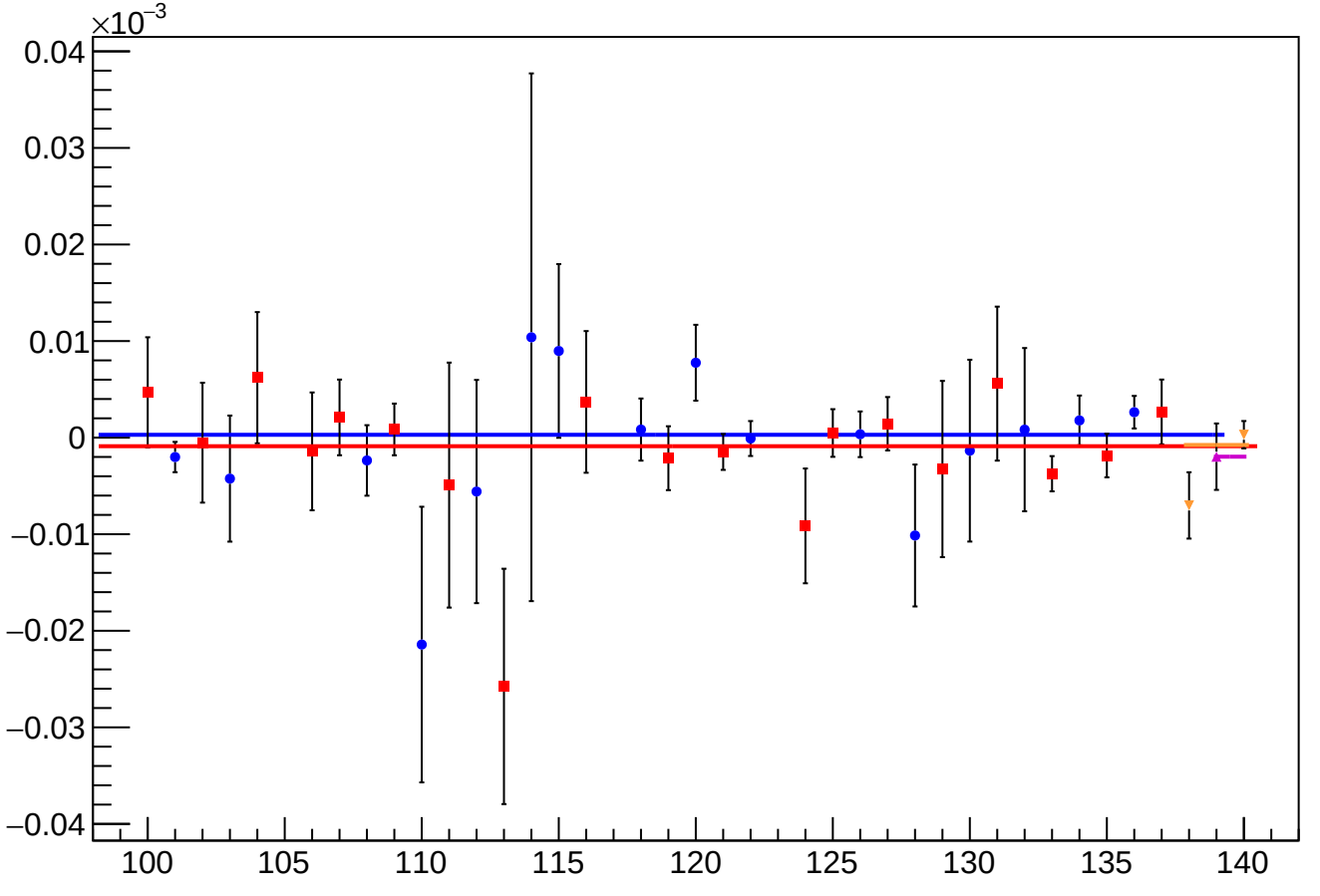
Left: 25.225+/-0.012 χ^2/NDF: 229388.7/2

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 27.671+/-0.008 χ^2/NDF:2665327.8/16

Out: 31.377+/-0.008 χ^2/NDF:2739755.1/20

All: 29.419+/-0.006 χ^2/NDF: 5511113.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.000+/-0.000 χ^2/NDF: 4.0/2

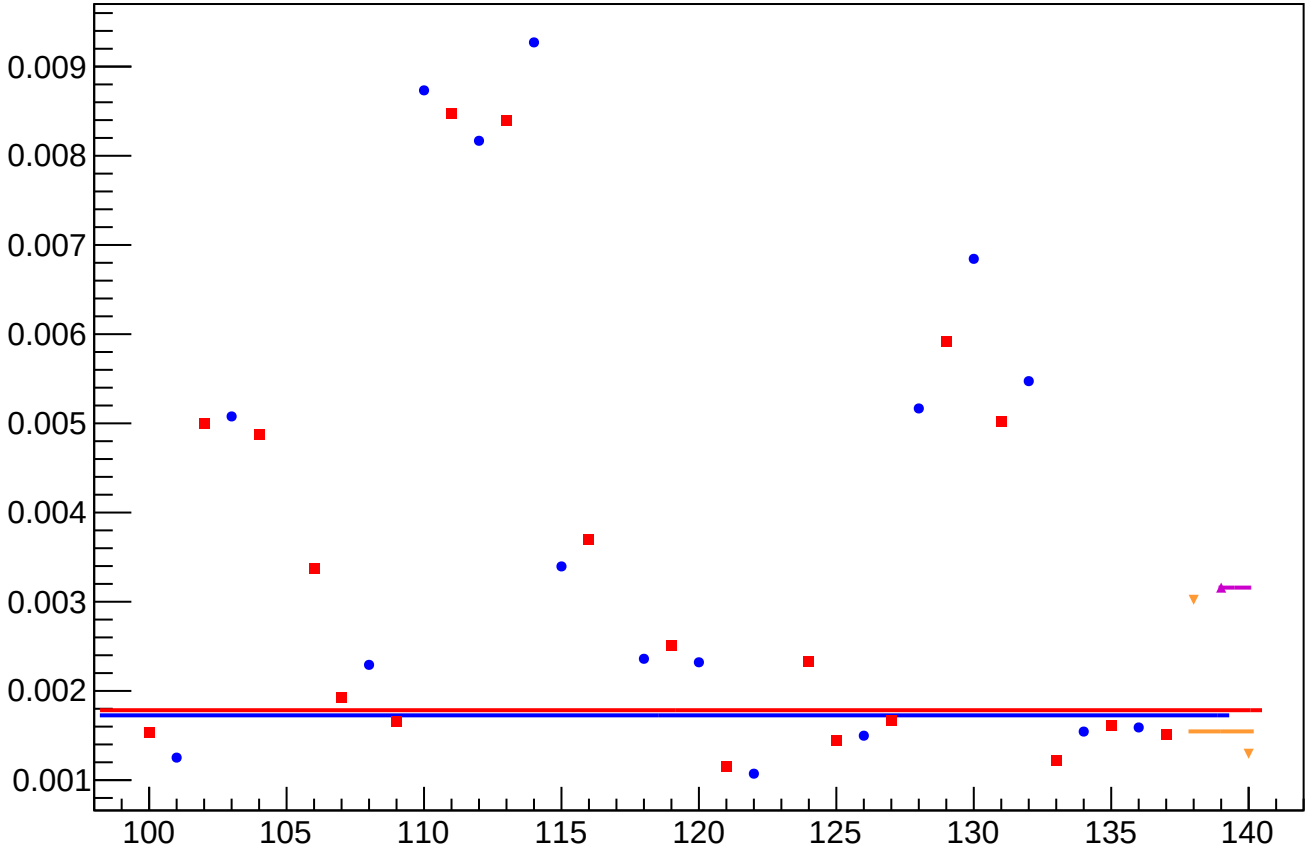
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: 0.000+/-0.000 χ^2/NDF:15.2/16

Out: -0.000+/-0.000 χ^2/NDF:19.3/20

All: -0.000+/-0.000 χ^2/NDF: 35.6/37

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:431420.4/1

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

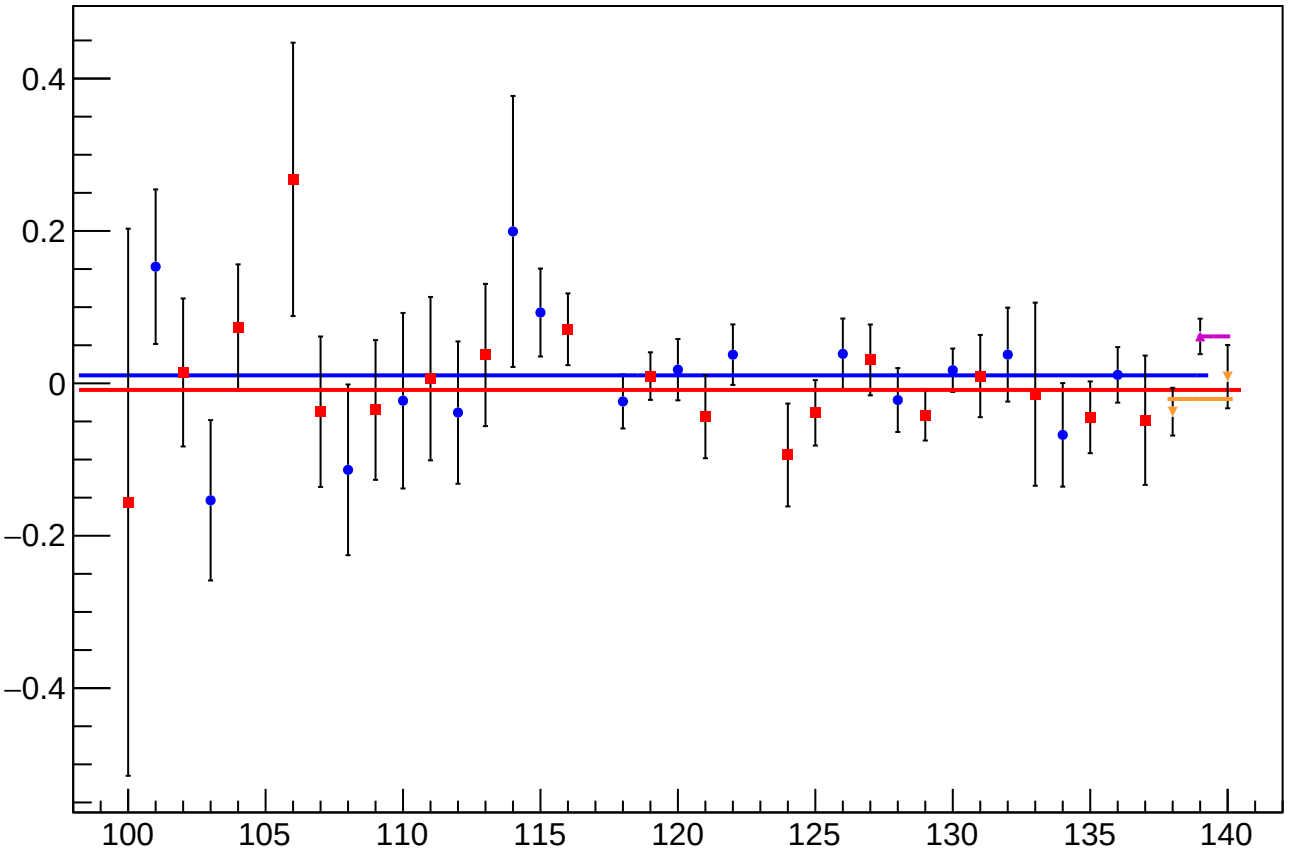
Left: 0.002+/-0.000 χ^2/NDF: 815405.6/2

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:4262952.0/16

Out: 0.002+/-0.000 χ^2/NDF:4198974.8/20

All: 0.002+/-0.000 χ^2/NDF: 8472069.0/37



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.025 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.062+/-0.023 χ^2/NDF:0.0/0

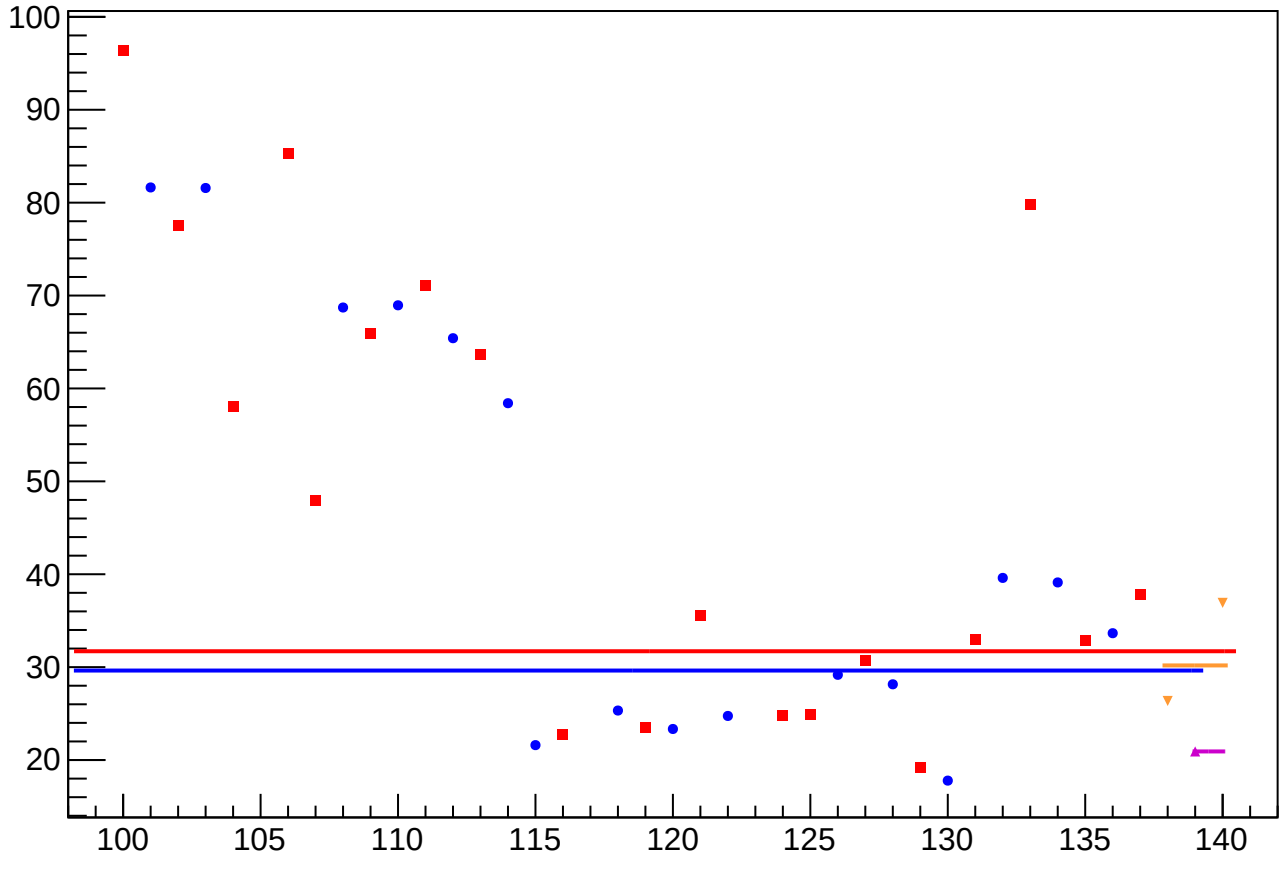
Left: 0.023+/-0.017 χ^2/NDF: 6.6/2

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.022+/-0.011 χ^2/NDF:16.9/16

Out: -0.011+/-0.012 χ^2/NDF:13.4/20

All: 0.006+/-0.008 χ^2/NDF: 34.5/37



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.184+/-0.018 χ^2/NDF:82453.8/1

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 20.925+/-0.016 χ^2/NDF:0.0/0

Left: 25.225+/-0.012 χ^2/NDF: 229382.4/2

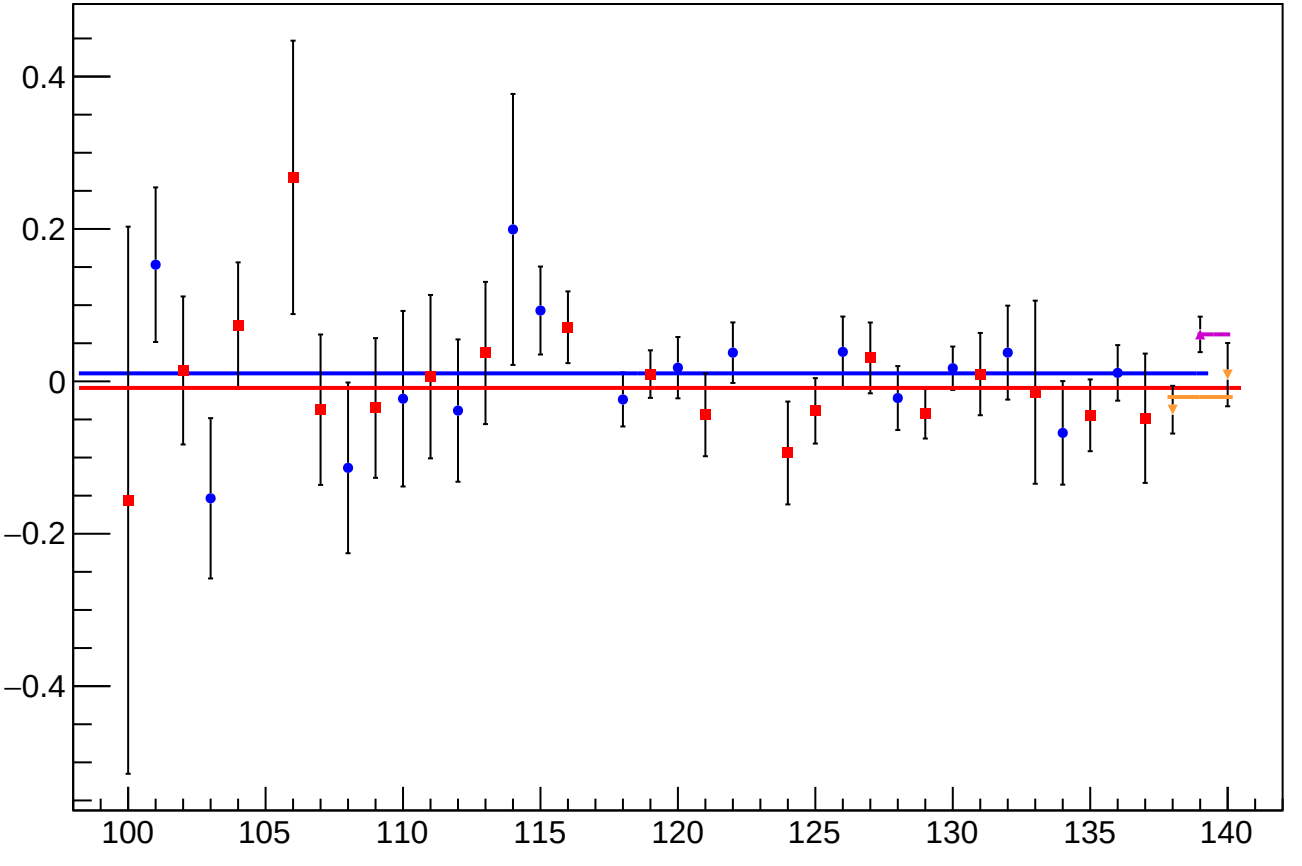
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 27.671+/-0.008 χ^2/NDF:2665448.2/16

Out: 31.376+/-0.008 χ^2/NDF:2739919.4/20

All: 29.418+/-0.006 χ^2/NDF: 5511389.2/37

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.025 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.062+/-0.023 χ^2/NDF:0.0/0

Left: 0.023+/-0.017 χ^2/NDF: 6.6/2

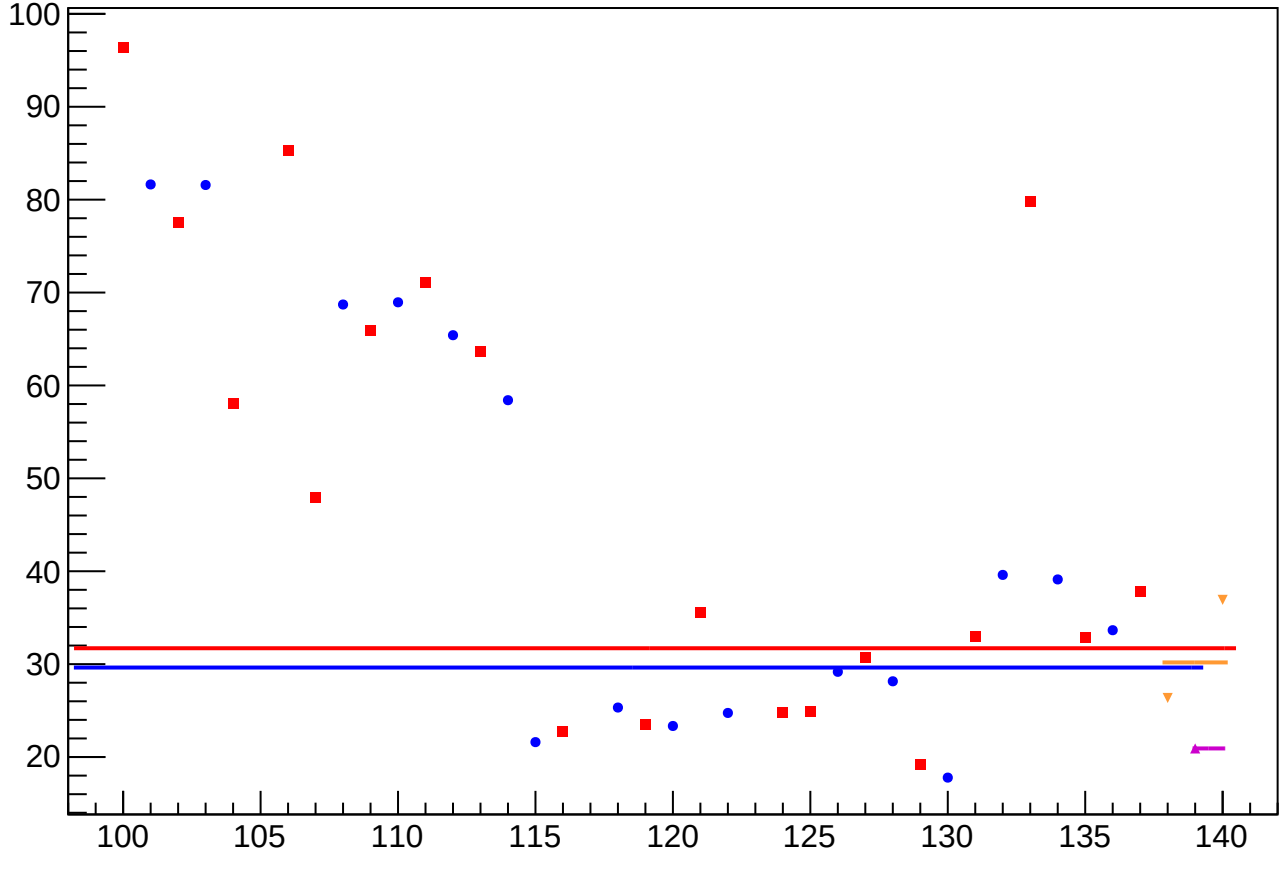
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.022+/-0.011 χ^2/NDF:16.9/16

Out: -0.011+/-0.012 χ^2/NDF:13.4/20

All: 0.006+/-0.008 χ^2/NDF: 34.5/37

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.184+/-0.018 χ^2/NDF:82453.8/1

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 20.925+/-0.016 χ^2/NDF:0.0/0

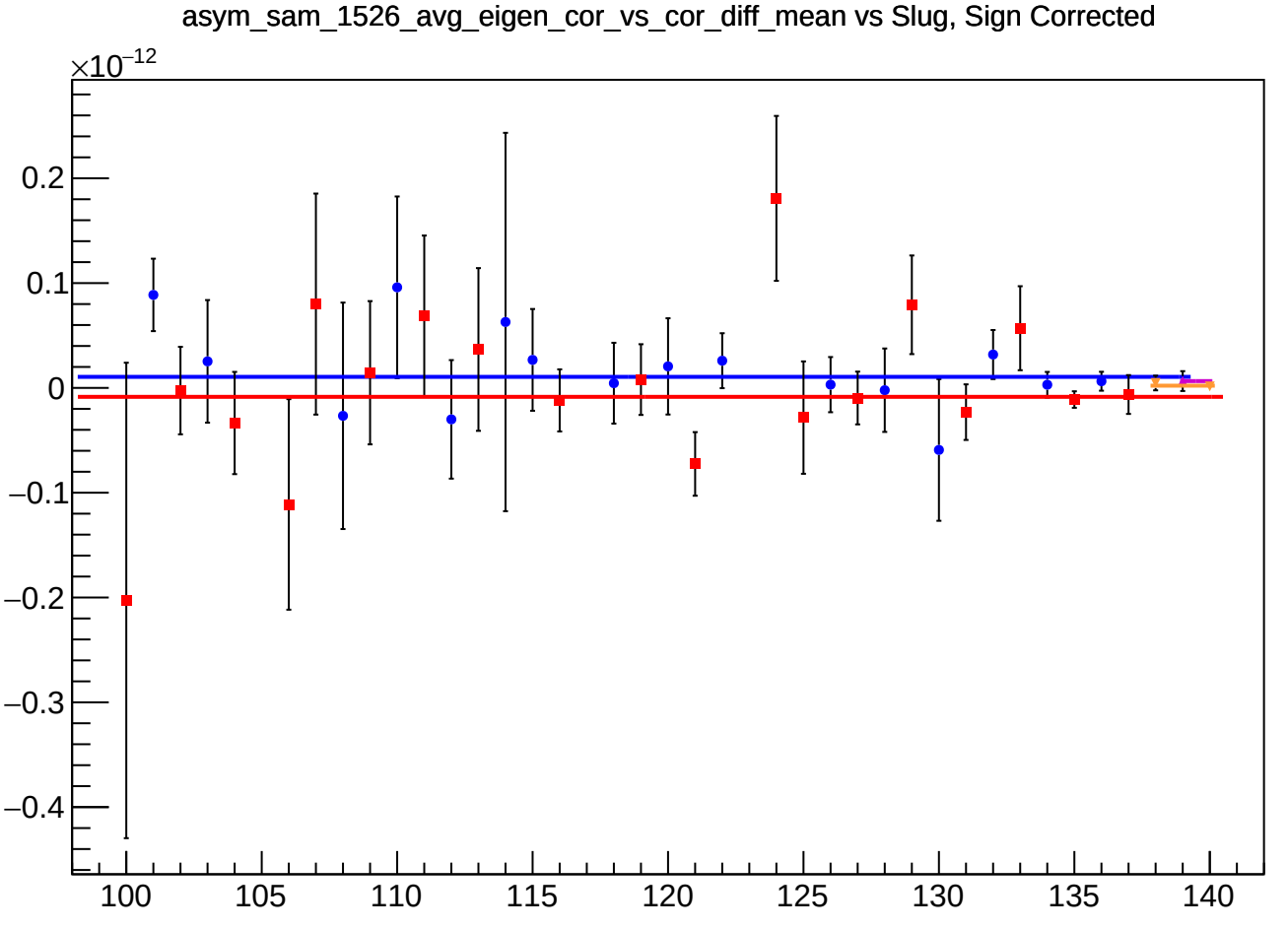
Left: 25.225+/-0.012 χ^2/NDF: 229382.4/2

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 27.671+/-0.008 χ^2/NDF:2665448.2/16

Out: 31.376+/-0.008 χ^2/NDF:2739919.4/20

All: 29.418+/-0.006 χ^2/NDF: 5511389.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

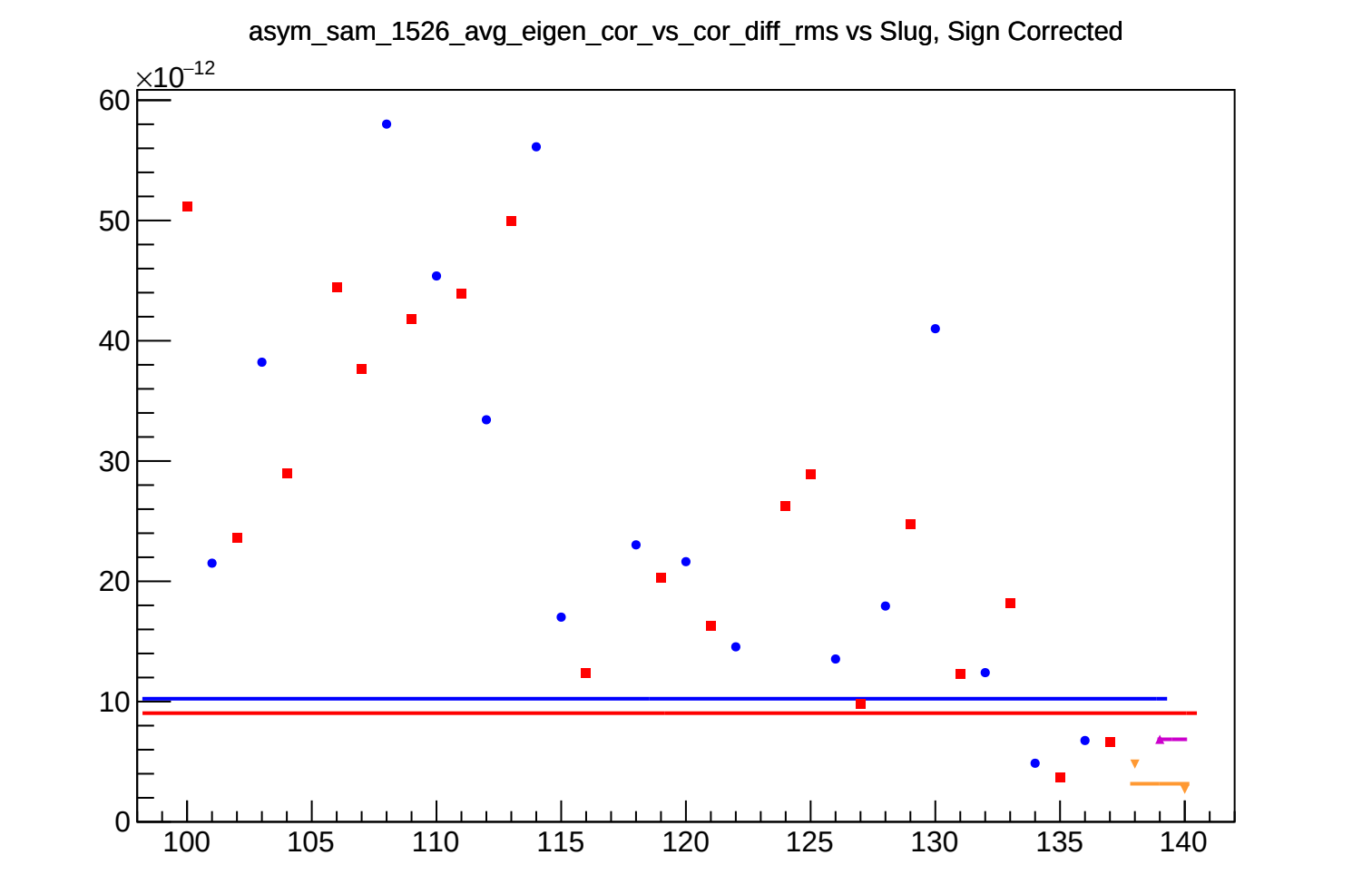
Left: 0.000+/-0.000 χ^2/NDF: 0.4/2

Right: 0.000+/-0.000 χ^2/NDF: 36.6/34

In: 0.000+/-0.000 χ^2/NDF:10.2/16

Out: -0.000+/-0.000 χ^2/NDF:24.1/20

All: 0.000+/-0.000 χ^2/NDF: 37.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:139951.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

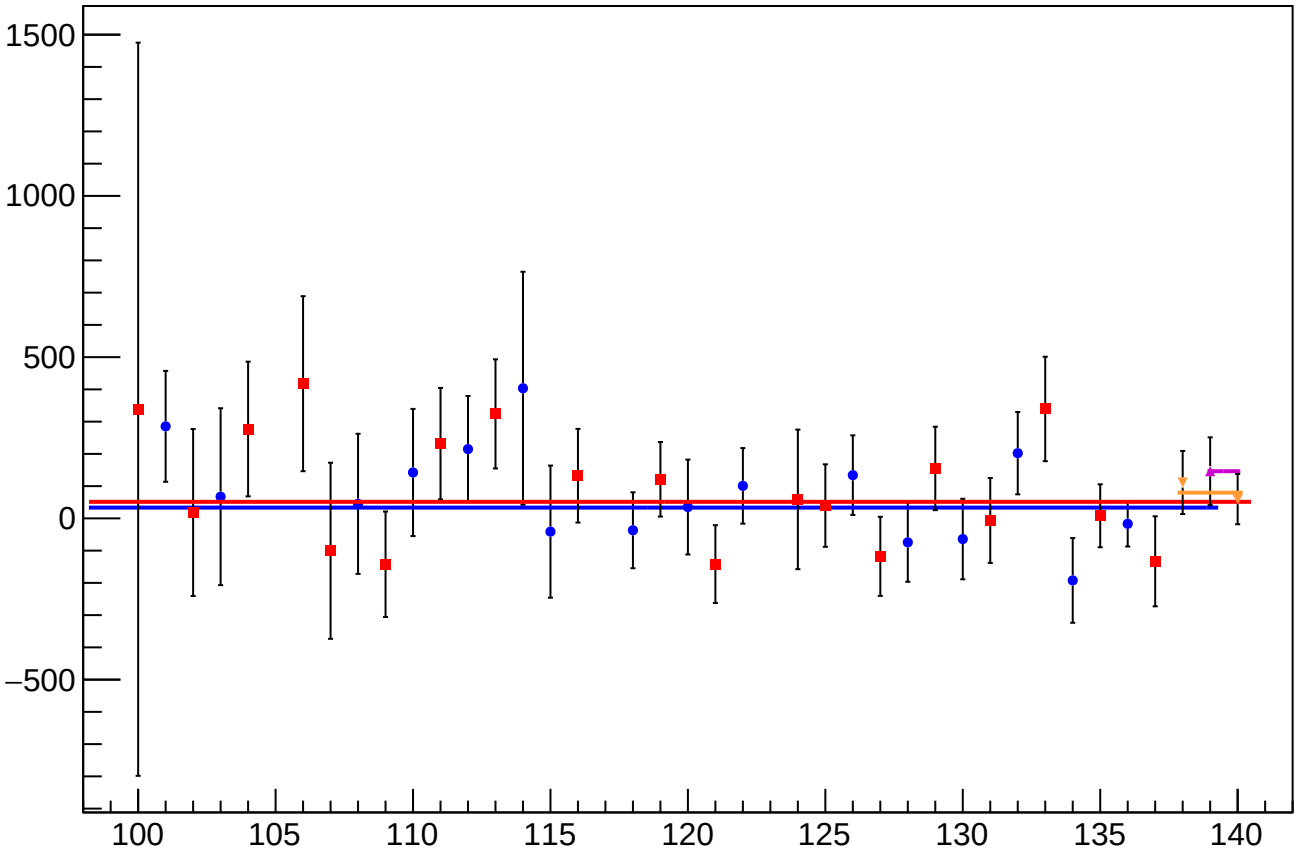
Left: 0.000+/-0.000 χ^2/NDF: 411160.6/2

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:3693007.3/16

Out: 0.000+/-0.000 χ^2/NDF:6151204.4/20

All: 0.000+/-0.000 χ^2/NDF: 11146965.2/37



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 79.747+/-60.939 χ^2/NDF:0.2/1

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 146.246+/-105.078 χ^2/NDF:0.0/0

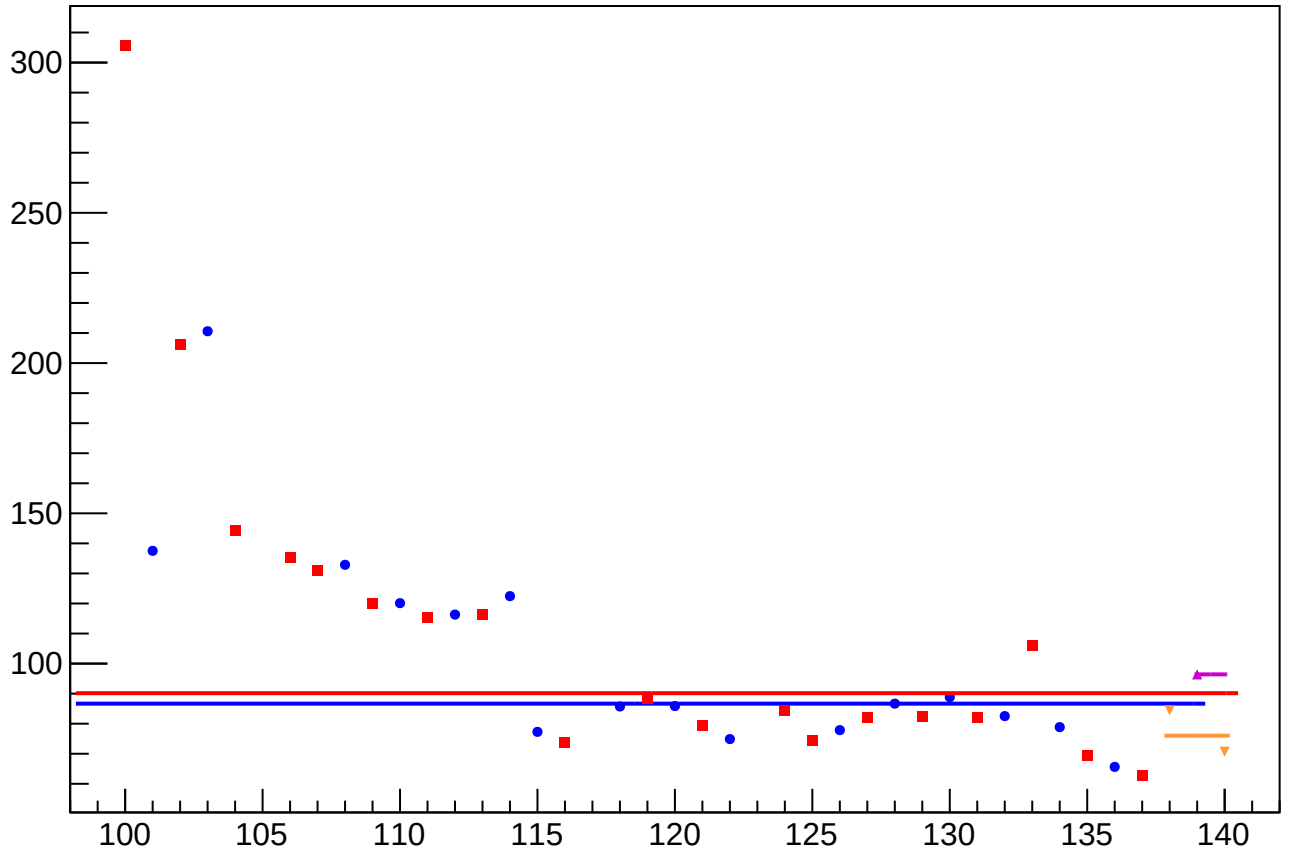
Left: 96.484+/-52.715 χ^2/NDF: 0.5/2

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 44.055+/-32.246 χ^2/NDF:13.9/16

Out: 58.338+/-30.253 χ^2/NDF:19.9/20

All: 51.651+/-22.063 χ^2/NDF: 33.9/37



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 76.021+/-0.043 χ^2/NDF:24220.7/1

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 96.410+/-0.074 χ^2/NDF:0.0/0

Left: 81.152+/-0.037 χ^2/NDF: 80568.1/2

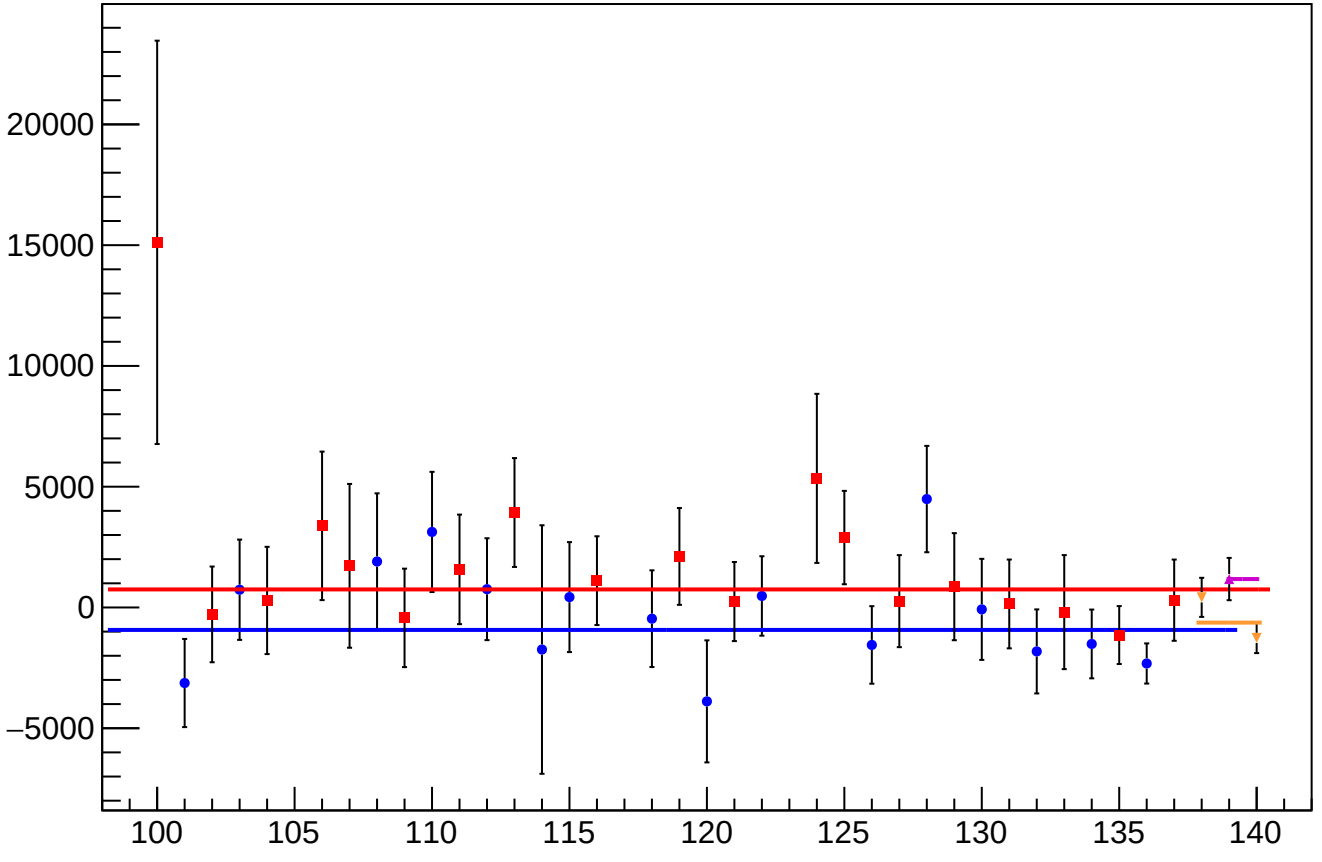
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 87.584+/-0.023 χ^2/NDF:1054390.3/16

Out: 86.670+/-0.021 χ^2/NDF:1255248.2/20

All: 87.098+/-0.016 χ^2/NDF: 2310492.7/37

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -626.911+/-496.800 χ^2/NDF:2.7/1

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 1176.649+/-875.759 χ^2/NDF:0.0/0

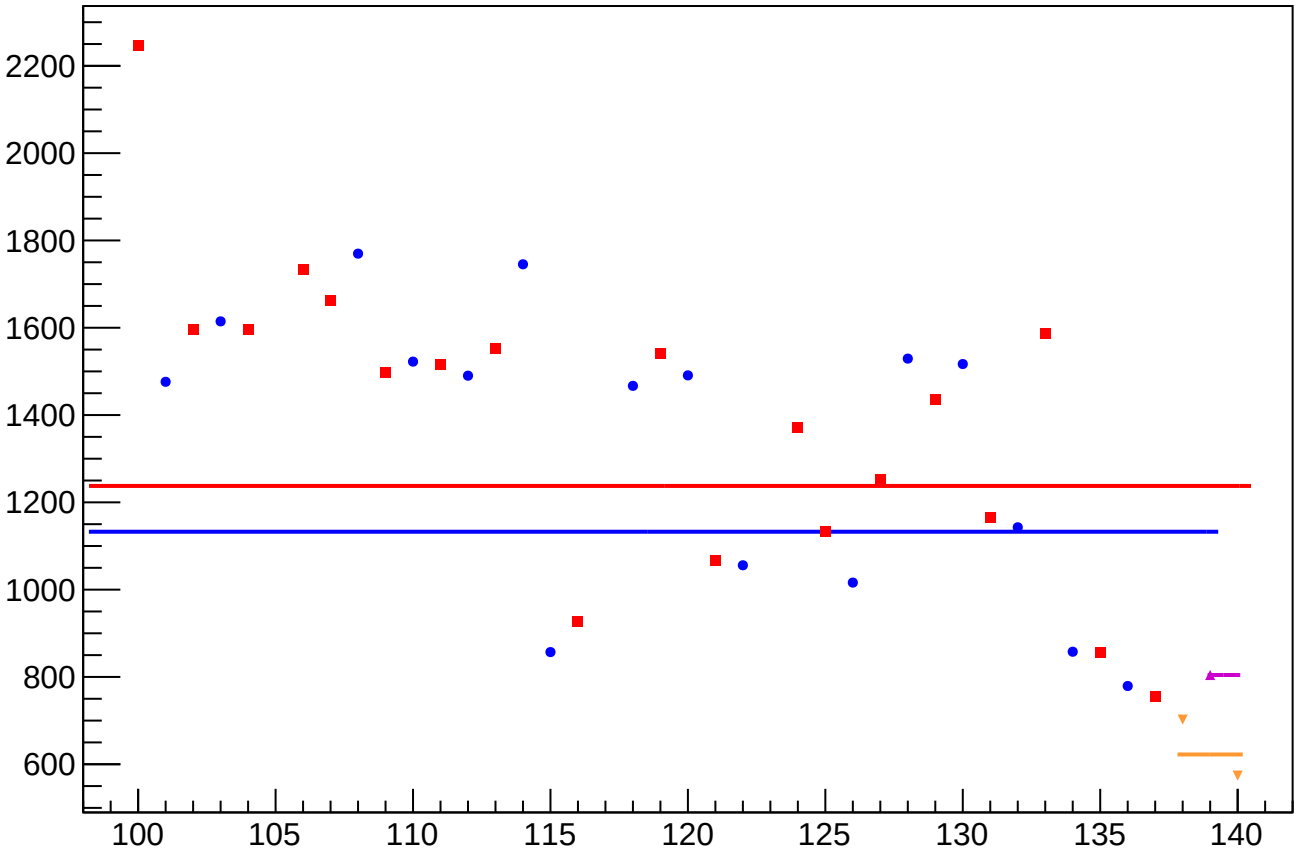
Left: -187.819+/-432.113 χ^2/NDF: 5.9/2

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -503.885+/-393.803 χ^2/NDF:23.1/16

Out: 101.268+/-340.615 χ^2/NDF:19.7/20

All: -157.711+/-257.619 χ^2/NDF: 44.2/37



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 622.362+/-0.351 χ^2/NDF:31315.3/1

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 804.463+/-0.619 χ^2/NDF:0.0/0

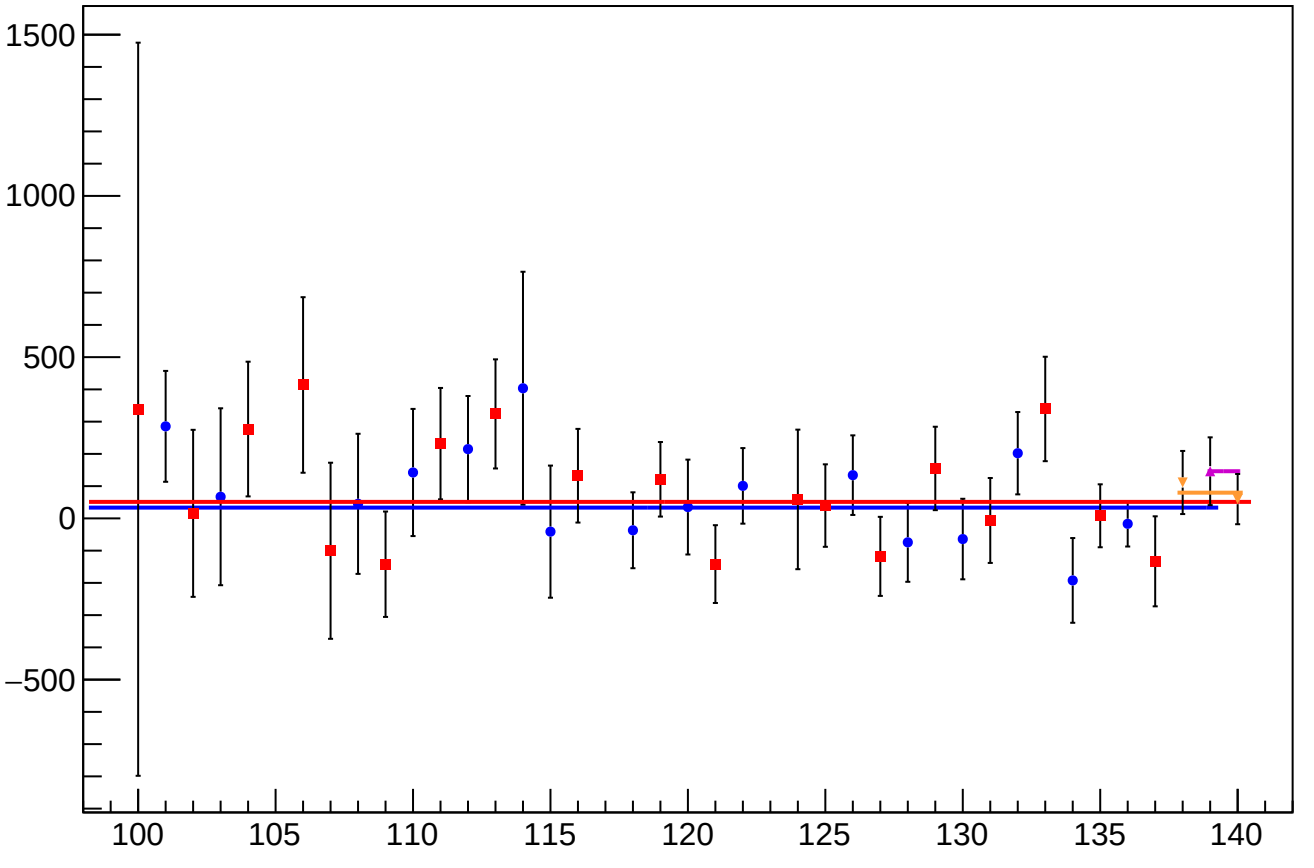
Left: 666.696+/-0.306 χ^2/NDF: 96736.6/2

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 1066.320+/-0.278 χ^2/NDF:1348278.3/16

Out: 948.389+/-0.241 χ^2/NDF:2552019.8/20

All: 998.858+/-0.182 χ^2/NDF: 4002899.9/37



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 79.753+/-60.939 χ^2/NDF:0.2/1

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 146.261+/-105.078 χ^2/NDF:0.0/0

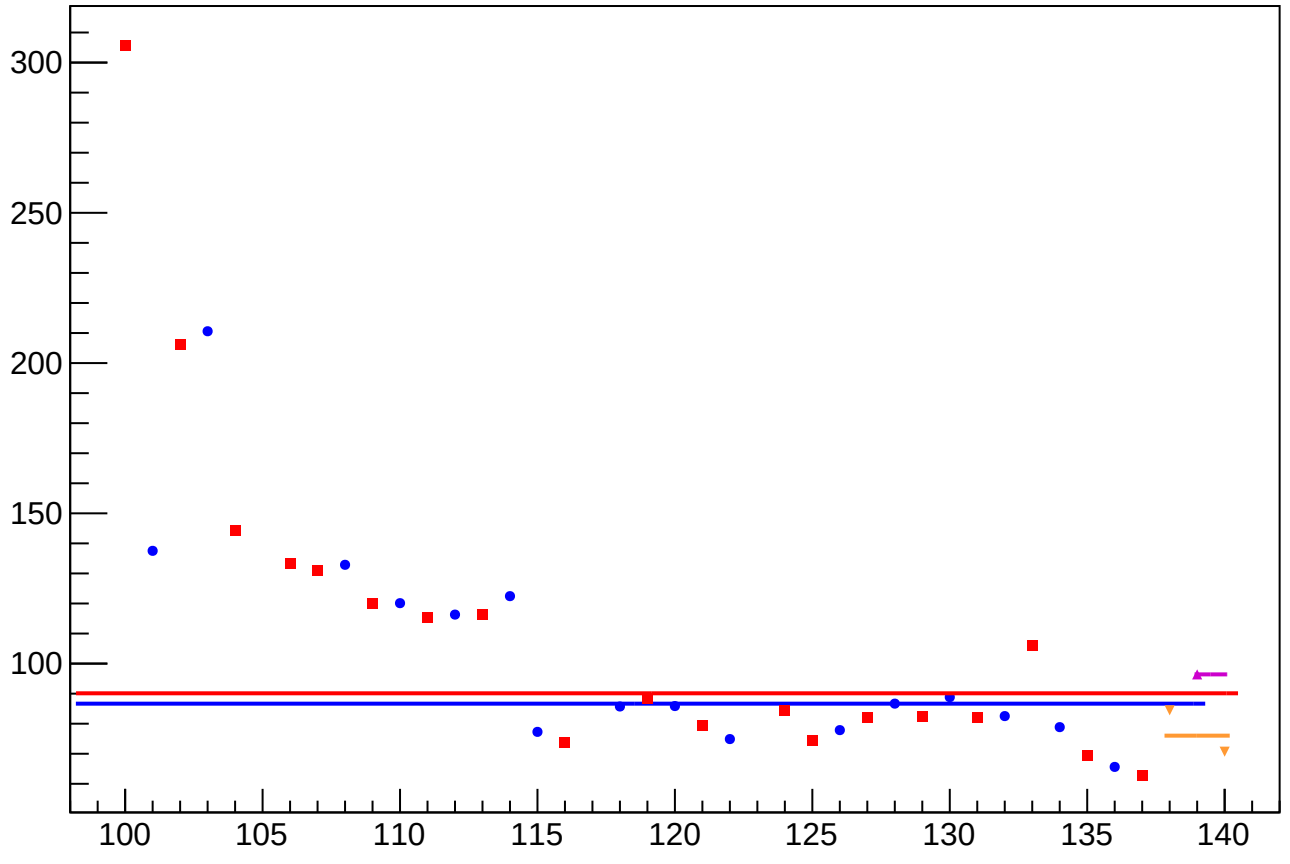
Left: 96.492+/-52.715 χ^2/NDF: 0.5/2

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 44.049+/-32.246 χ^2/NDF:13.9/16

Out: 58.229+/-30.254 χ^2/NDF:19.8/20

All: 51.590+/-22.064 χ^2/NDF: 33.8/37



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 76.021+/-0.043 χ^2/NDF:24220.7/1

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 96.410+/-0.074 χ^2/NDF:0.0/0

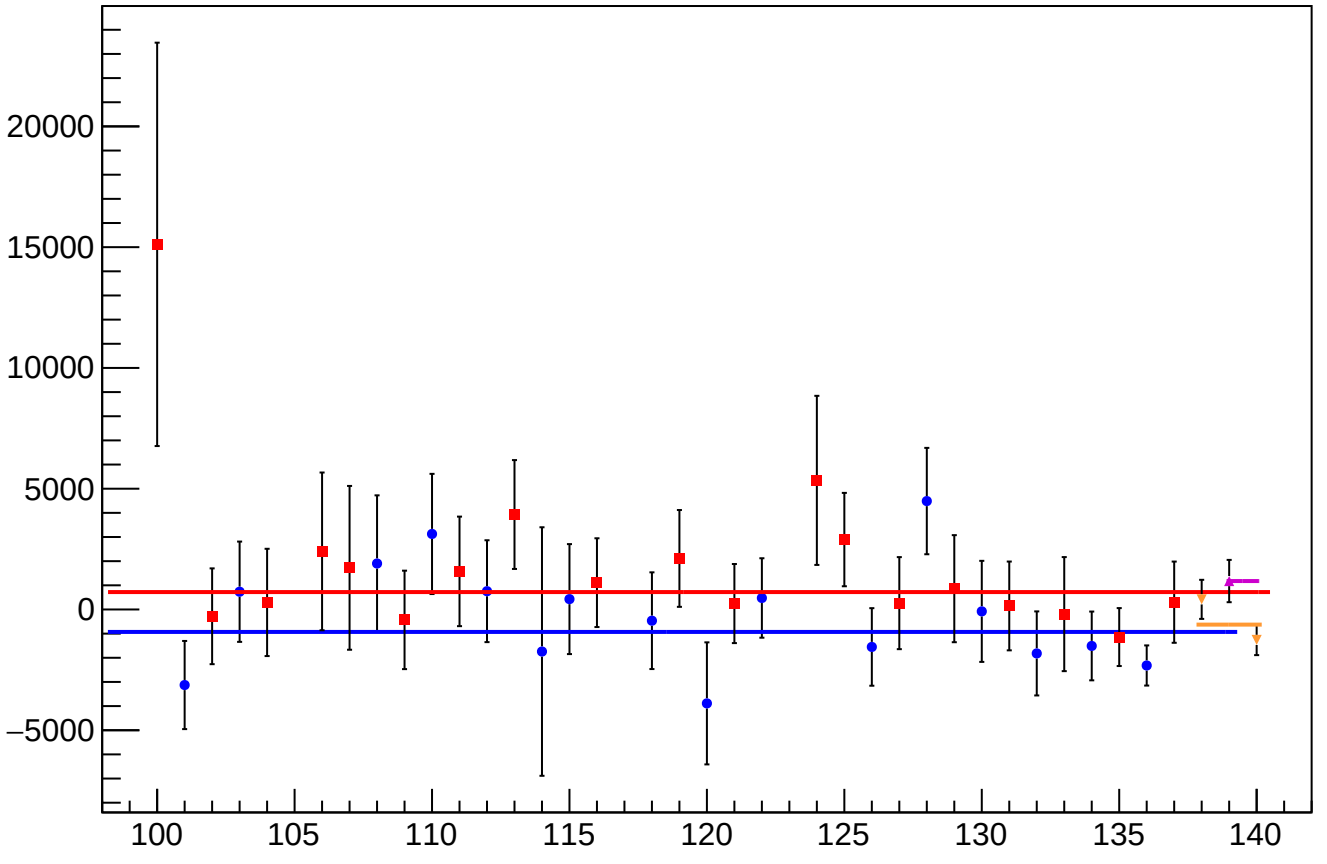
Left: 81.152+/-0.037 χ^2/NDF: 80568.1/2

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 87.584+/-0.023 χ^2/NDF:1054393.2/16

Out: 86.642+/-0.021 χ^2/NDF:1250127.3/20

All: 87.083+/-0.016 χ^2/NDF: 2305428.3/37



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -626.898+/-496.799 χ^2/NDF:2.7/1

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 1176.664+/-875.759 χ^2/NDF:0.0/0

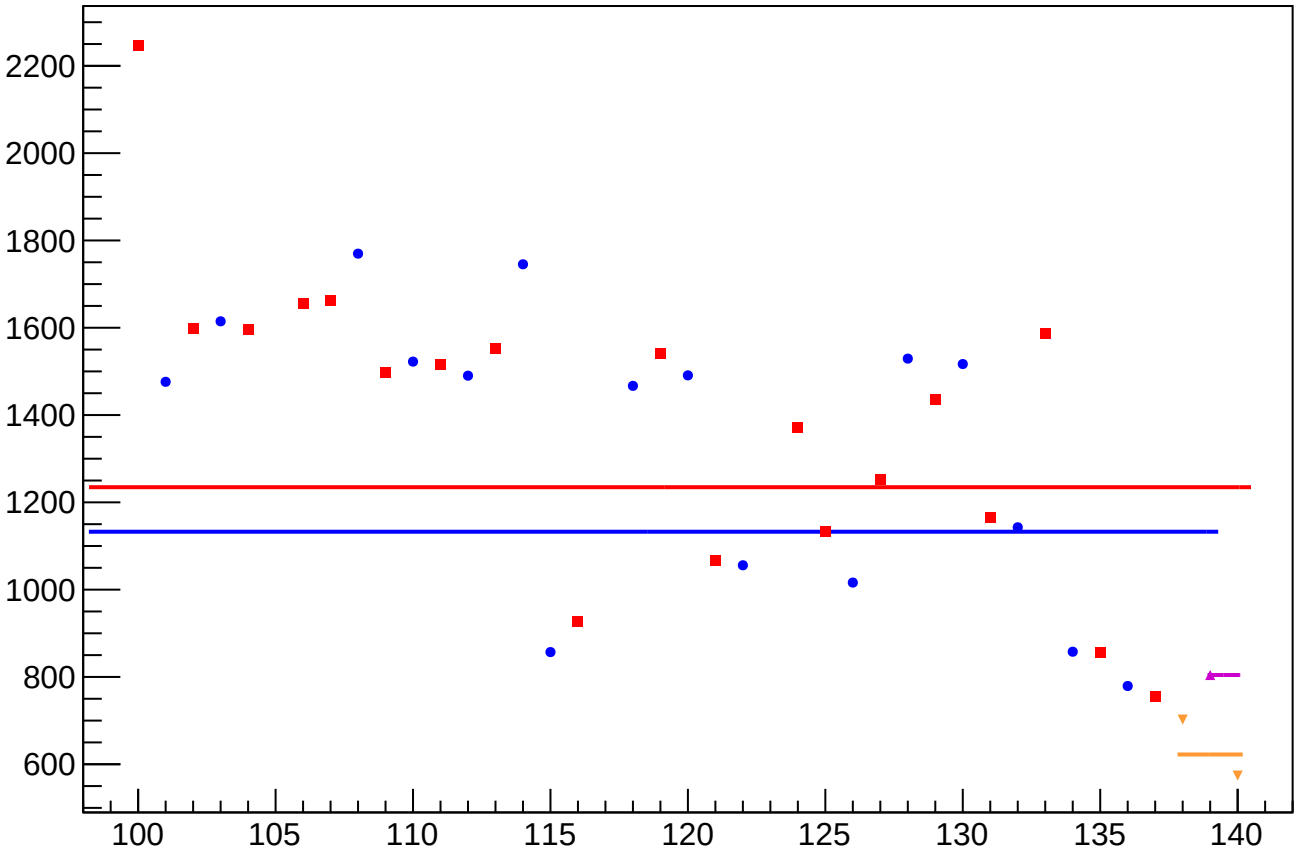
Left: -187.805+/-432.113 χ^2/NDF: 5.9/2

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -503.853+/-393.804 χ^2/NDF:23.1/16

Out: 86.264+/-340.860 χ^2/NDF:19.1/20

All: -166.488+/-257.726 χ^2/NDF: 43.5/37



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 622.361+/-0.351 χ^2/NDF:31315.4/1

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 804.463+/-0.619 χ^2/NDF:0.0/0

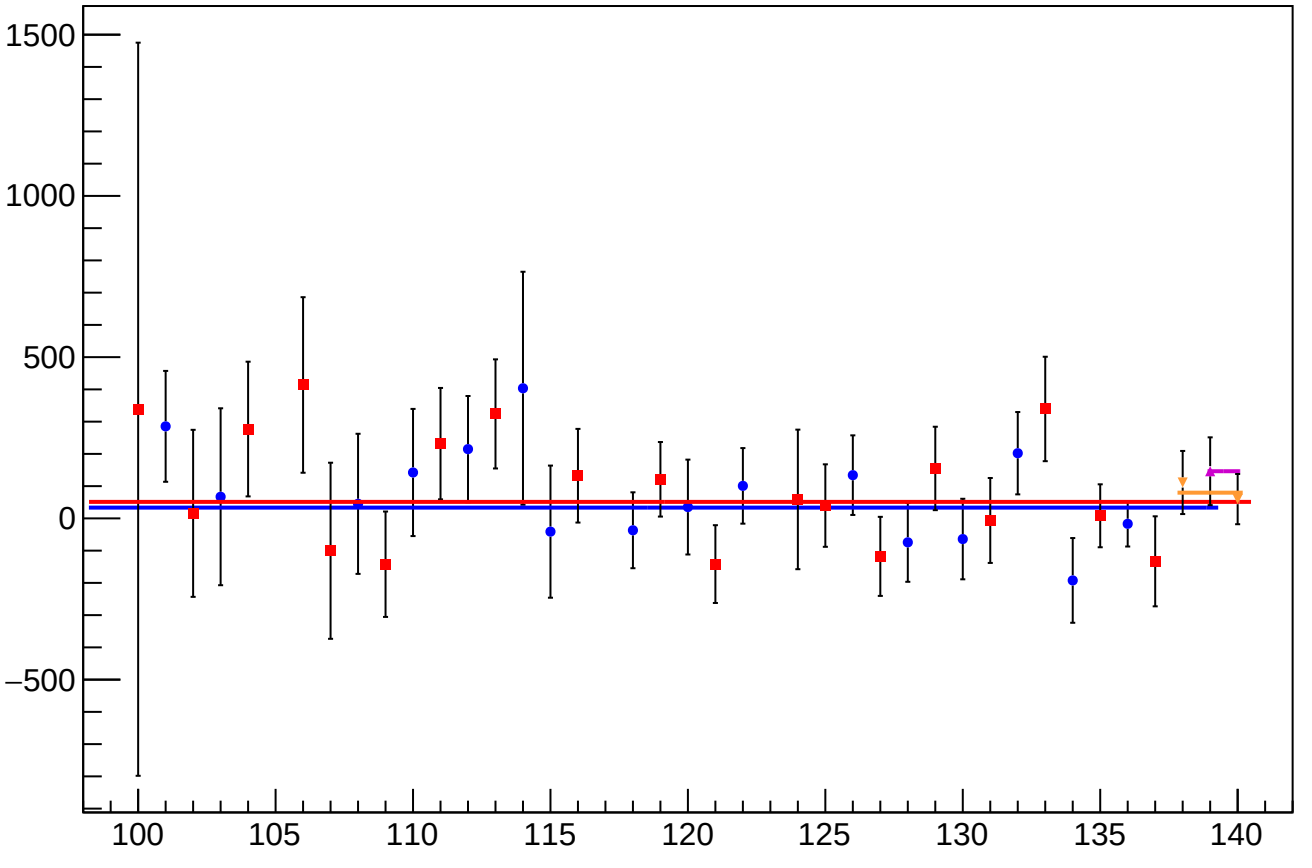
Left: 666.696+/-0.306 χ^2/NDF: 96737.1/2

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 1066.320+/-0.278 χ^2/NDF:1348316.5/16

Out: 946.446+/-0.241 χ^2/NDF:2515727.5/20

All: 997.789+/-0.182 χ^2/NDF: 3969990.8/37



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 79.753+/-60.939 χ^2/NDF:0.2/1

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 146.261+/-105.078 χ^2/NDF:0.0/0

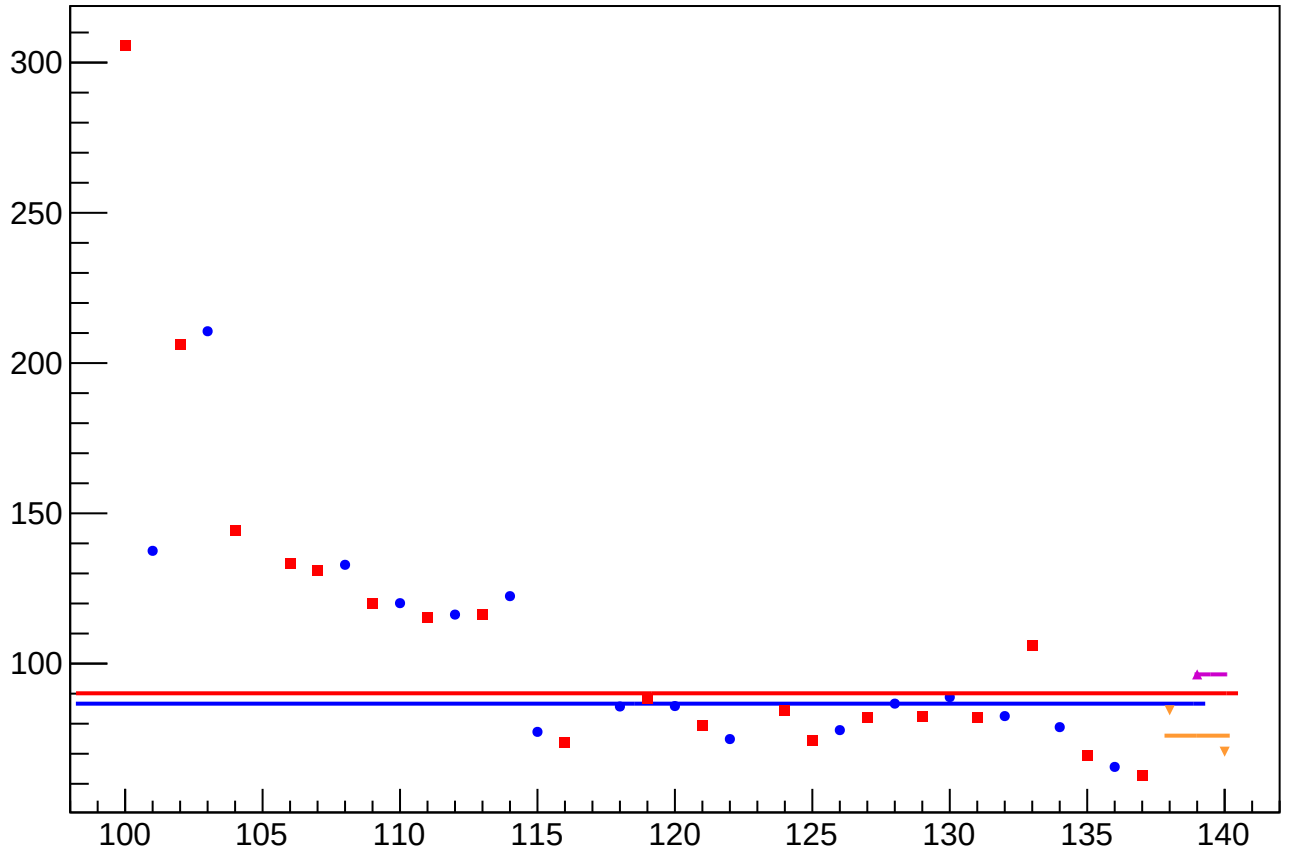
Left: 96.492+/-52.715 χ^2/NDF: 0.5/2

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 44.049+/-32.246 χ^2/NDF:13.9/16

Out: 58.229+/-30.254 χ^2/NDF:19.8/20

All: 51.590+/-22.064 χ^2/NDF: 33.8/37



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 76.021+/-0.043 χ^2/NDF:24220.7/1

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 96.410+/-0.074 χ^2/NDF:0.0/0

Left: 81.152+/-0.037 χ^2/NDF: 80568.1/2

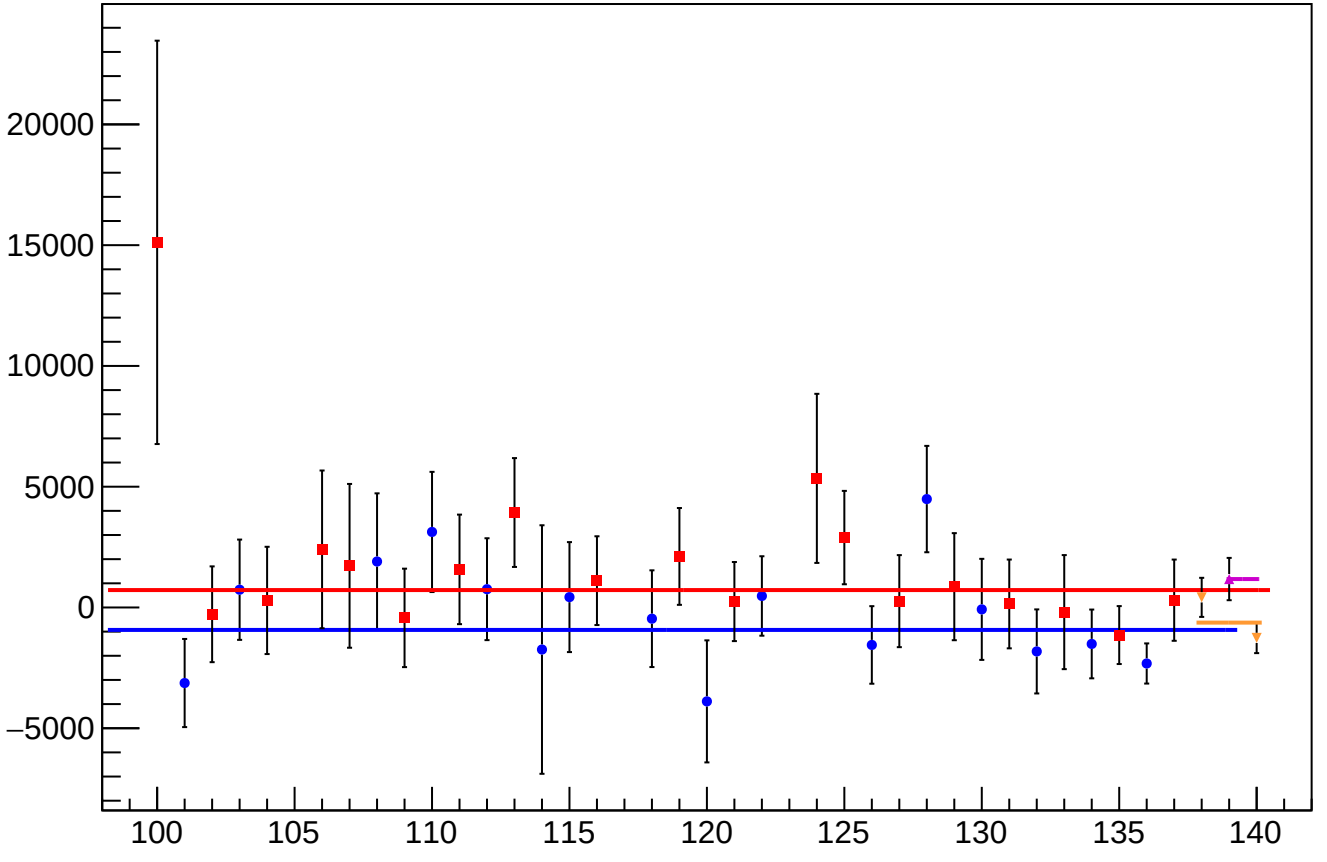
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 87.584+/-0.023 χ^2/NDF:1054393.2/16

Out: 86.642+/-0.021 χ^2/NDF:1250127.3/20

All: 87.083+/-0.016 χ^2/NDF: 2305428.3/37

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -626.898+/-496.799 χ^2/NDF:2.7/1

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 1176.664+/-875.759 χ^2/NDF:0.0/0

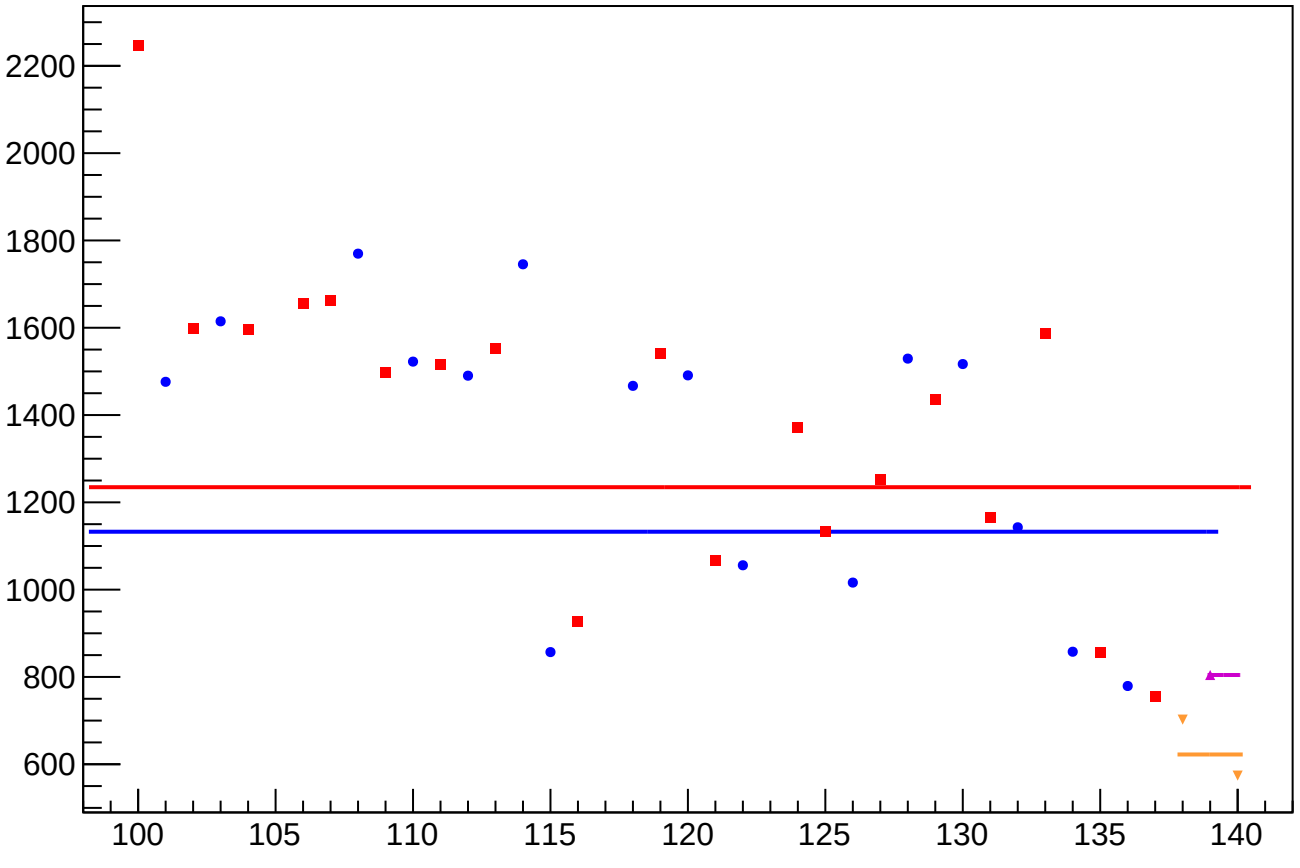
Left: -187.805+/-432.113 χ^2/NDF: 5.9/2

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -503.853+/-393.804 χ^2/NDF:23.1/16

Out: 86.264+/-340.860 χ^2/NDF:19.1/20

All: -166.488+/-257.726 χ^2/NDF: 43.5/37



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 622.361+/-0.351 χ^2/NDF:31315.4/1

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 804.463+/-0.619 χ^2/NDF:0.0/0

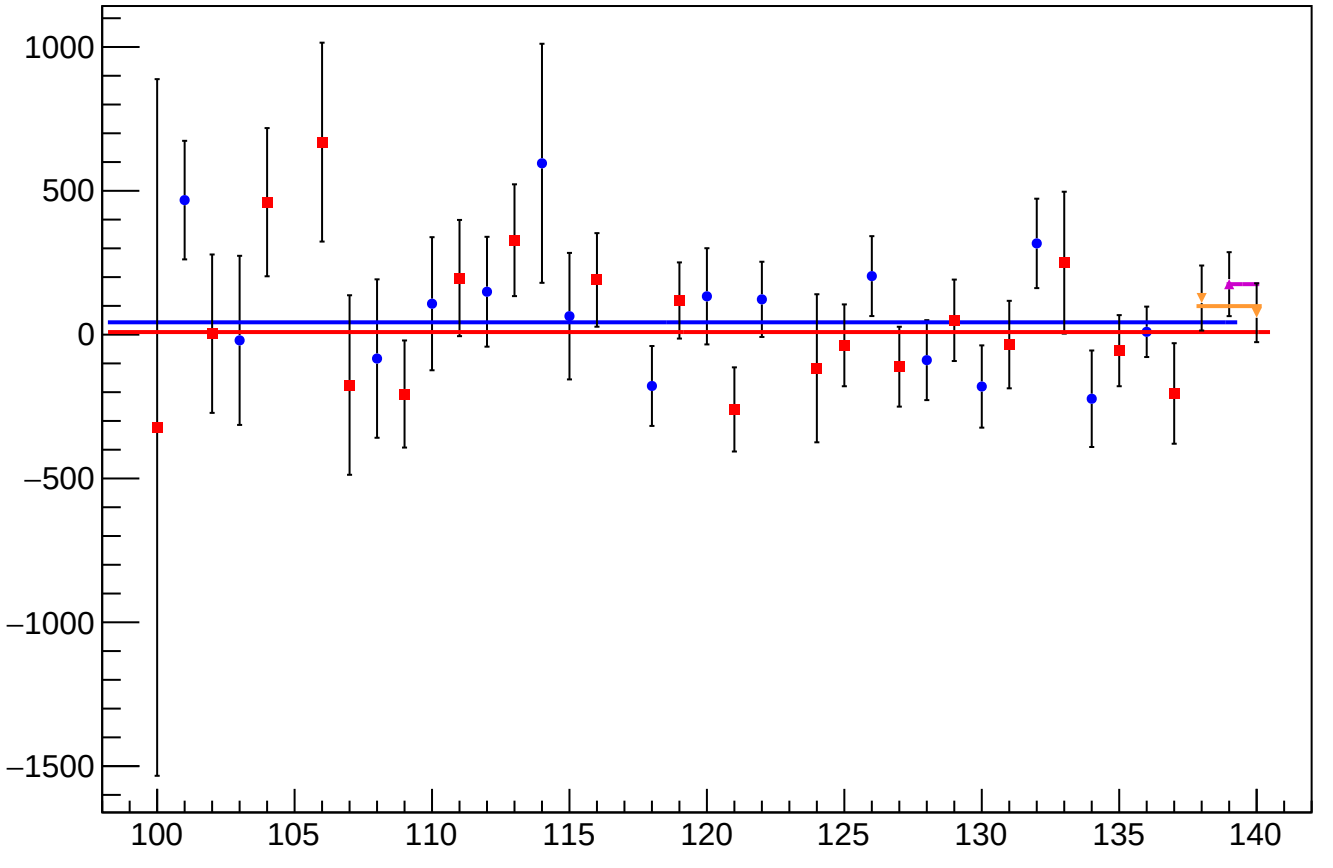
Left: 666.696+/-0.306 χ^2/NDF: 96737.1/2

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 1066.320+/-0.278 χ^2/NDF:1348316.5/16

Out: 946.446+/-0.241 χ^2/NDF:2515727.5/20

All: 997.789+/-0.182 χ^2/NDF: 3969990.8/37



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 99.201+/-75.805 χ^2/NDF:0.1/1

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 175.534+/-111.168 χ^2/NDF:0.0/0

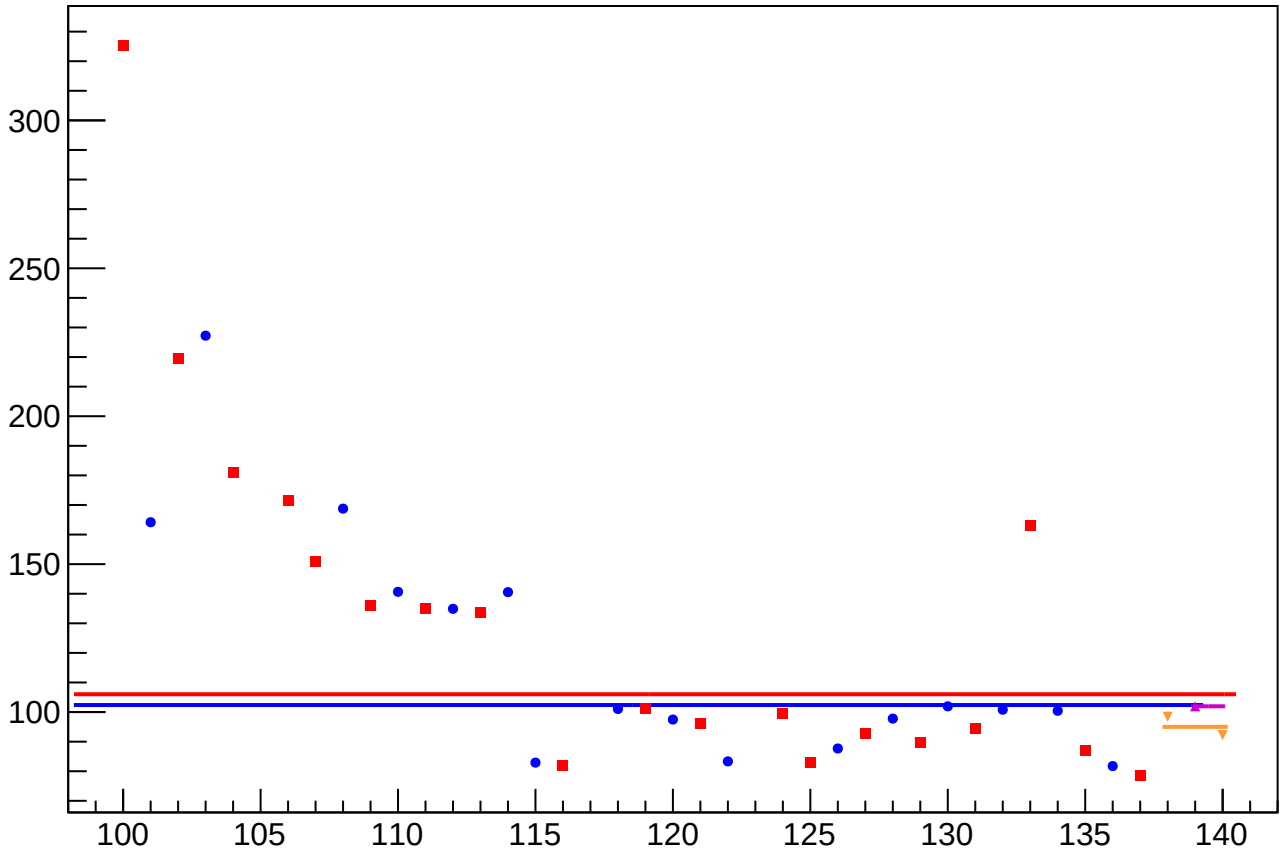
Left: 123.429+/-62.630 χ^2/NDF: 0.4/2

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 58.081+/-37.594 χ^2/NDF:21.6/16

Out: 29.452+/-36.104 χ^2/NDF:22.5/20

All: 43.188+/-26.040 χ^2/NDF: 44.4/37



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 95.000+/-0.054 χ^2/NDF:3305.2/1

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 101.956+/-0.079 χ^2/NDF:0.0/0

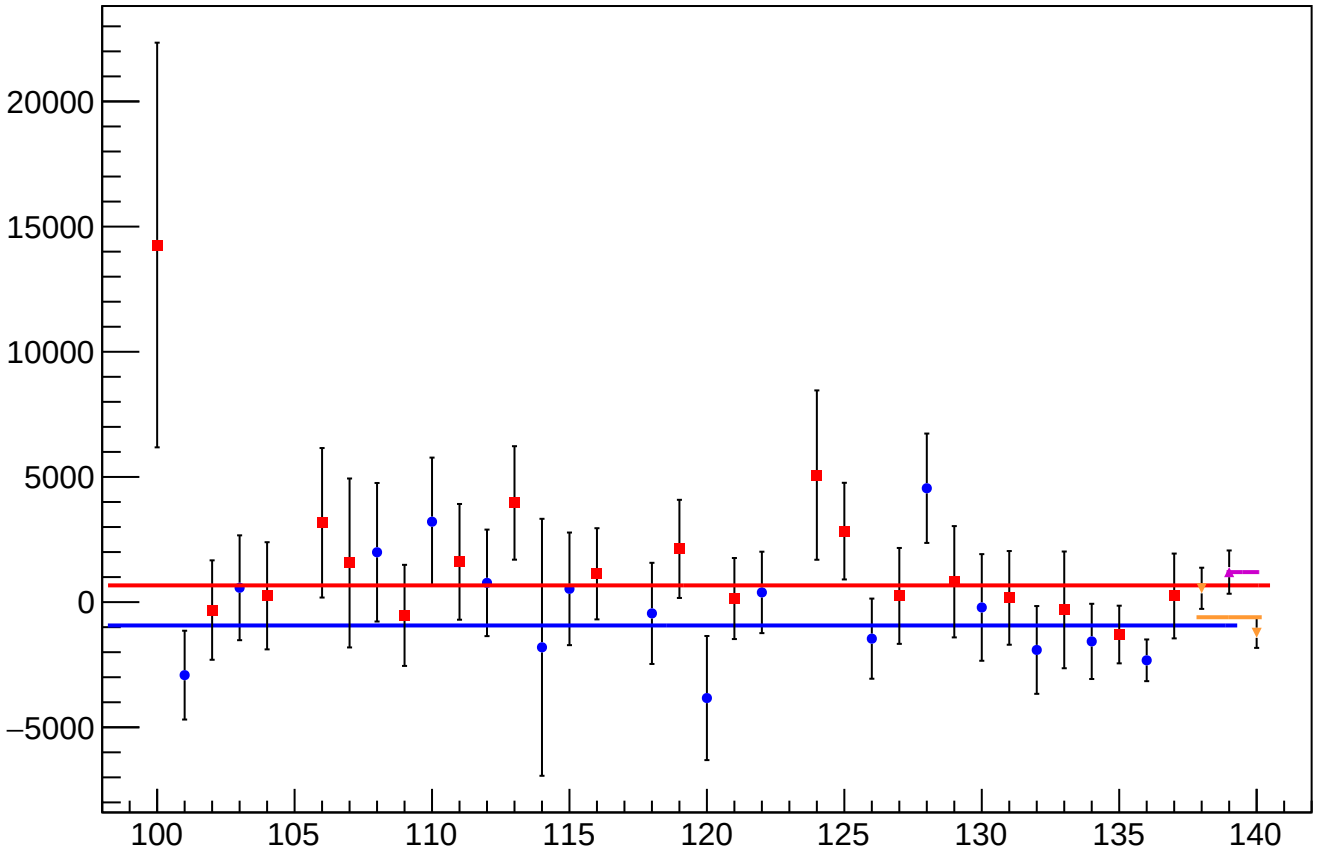
Left: 97.208+/-0.044 χ^2/NDF: 8650.3/2

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 102.330+/-0.027 χ^2/NDF:982337.0/16

Out: 103.530+/-0.026 χ^2/NDF:1227349.9/20

All: 102.954+/-0.018 χ^2/NDF: 2210746.7/37



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -603.555+/-486.407 χ^2/NDF:3.0/1

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 1199.161+/-864.164 χ^2/NDF:0.0/0

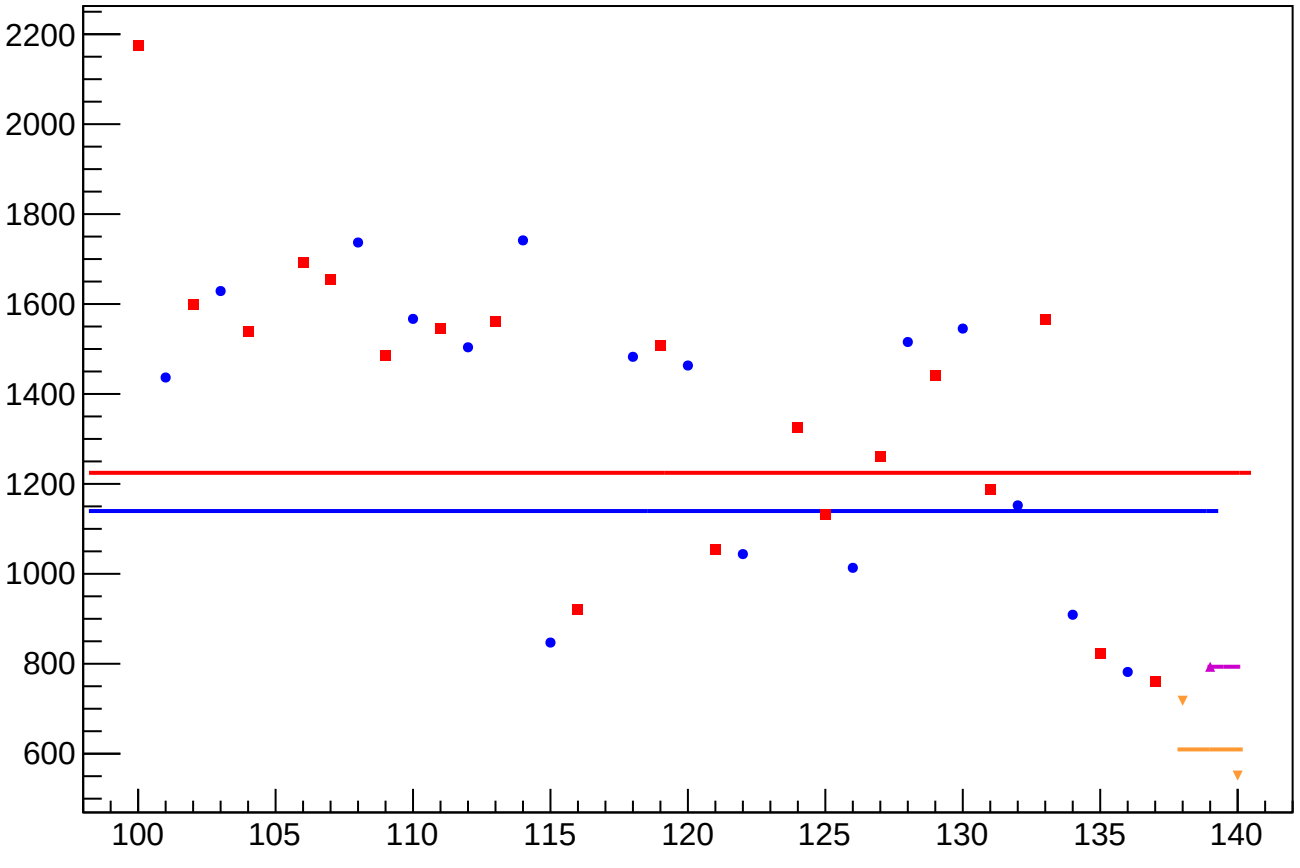
Left: -169.835+/-423.874 χ^2/NDF: 6.3/2

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -489.233+/-394.025 χ^2/NDF:23.3/16

Out: 63.535+/-335.441 χ^2/NDF:20.1/20

All: -168.741+/-255.419 χ^2/NDF: 44.5/37



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 609.504+/-0.344 χ^2/NDF:53253.3/1

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 793.371+/-0.611 χ^2/NDF:0.0/0

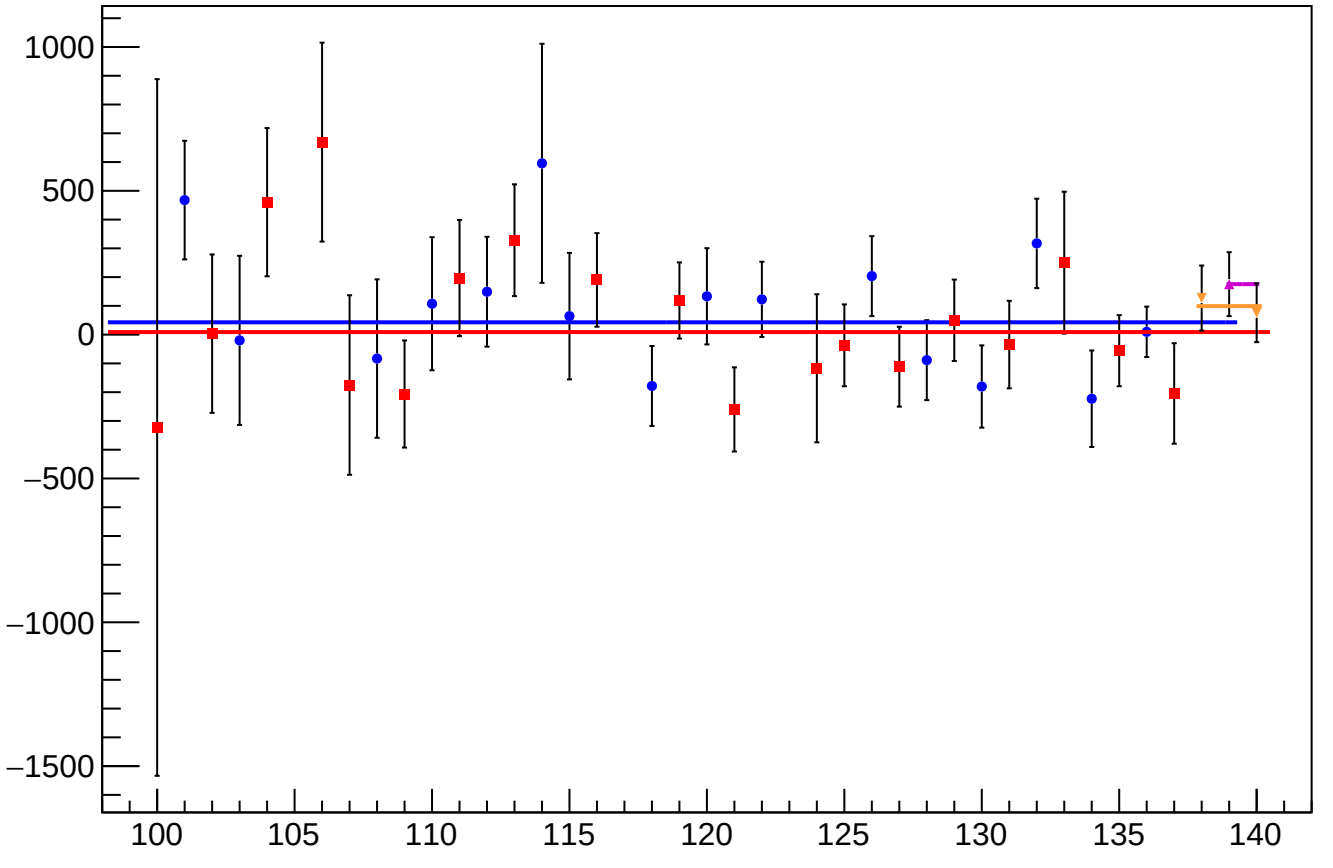
Left: 653.741+/-0.300 χ^2/NDF: 122011.3/2

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 1067.665+/-0.279 χ^2/NDF:1347793.1/16

Out: 932.086+/-0.237 χ^2/NDF:2653053.9/20

All: 989.057+/-0.181 χ^2/NDF: 4138137.9/37



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 99.199+/-75.805 χ^2/NDF:0.1/1

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 175.533+/-111.168 χ^2/NDF:0.0/0

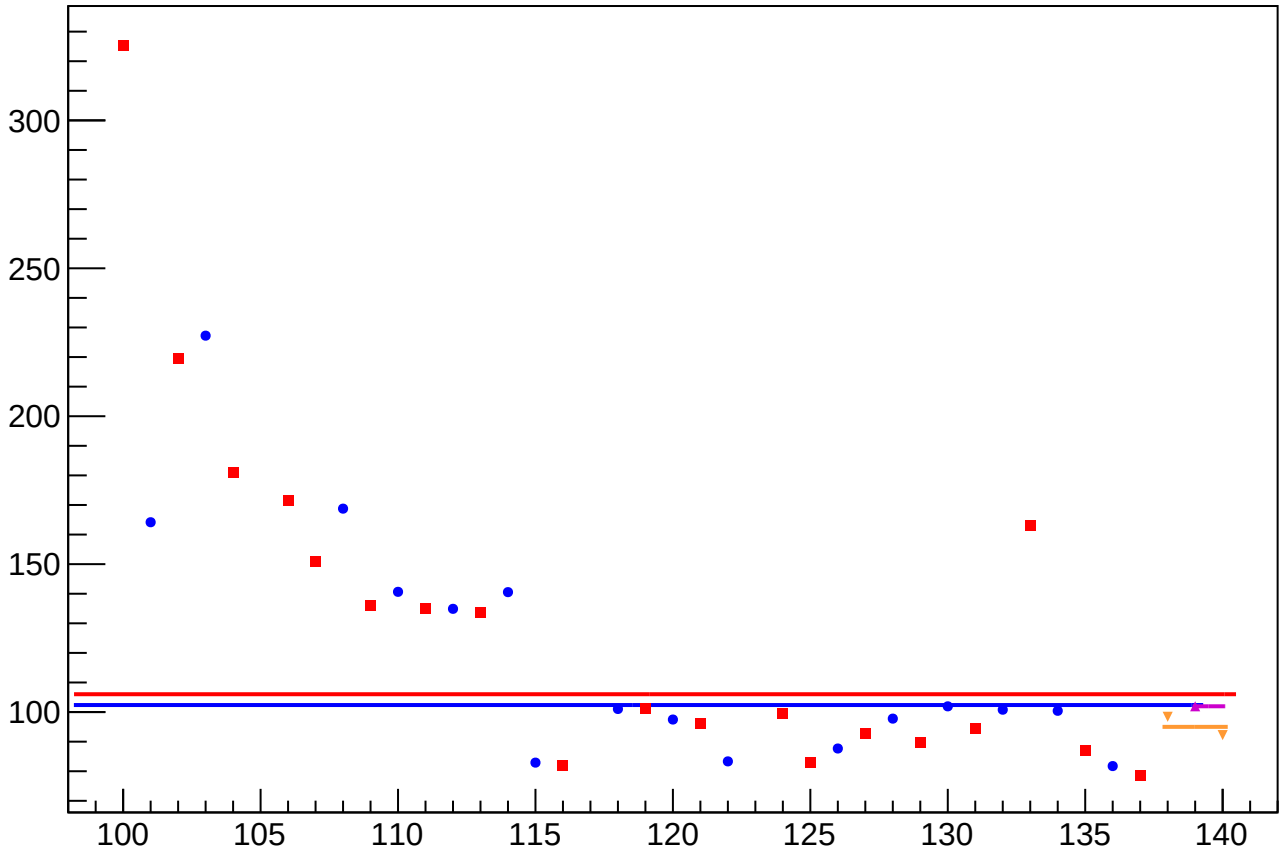
Left: 123.427+/-62.630 χ^2/NDF: 0.4/2

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 58.081+/-37.594 χ^2/NDF:21.6/16

Out: 29.449+/-36.104 χ^2/NDF:22.5/20

All: 43.186+/-26.040 χ^2/NDF: 44.4/37



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 95.000+/-0.054 χ^2/NDF:3304.6/1

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 101.957+/-0.079 χ^2/NDF:0.0/0

Left: 97.208+/-0.044 χ^2/NDF: 8650.0/2

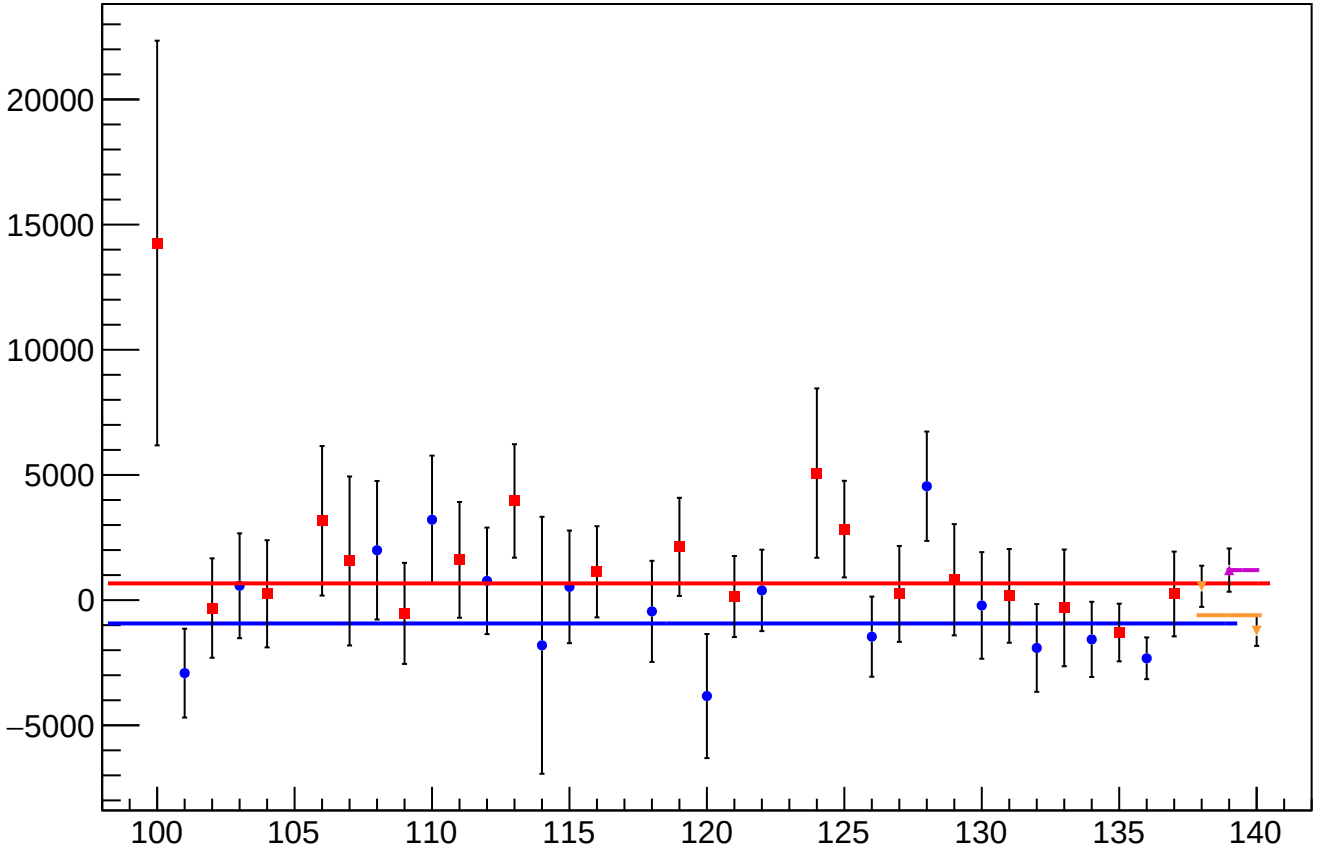
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 102.330+/-0.027 χ^2/NDF:982332.4/16

Out: 103.530+/-0.026 χ^2/NDF:1227351.5/20

All: 102.954+/-0.018 χ^2/NDF: 2210744.0/37

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: -603.555+/-486.406 χ^2/NDF:3.0/1

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 1199.158+/-864.162 χ^2/NDF:0.0/0

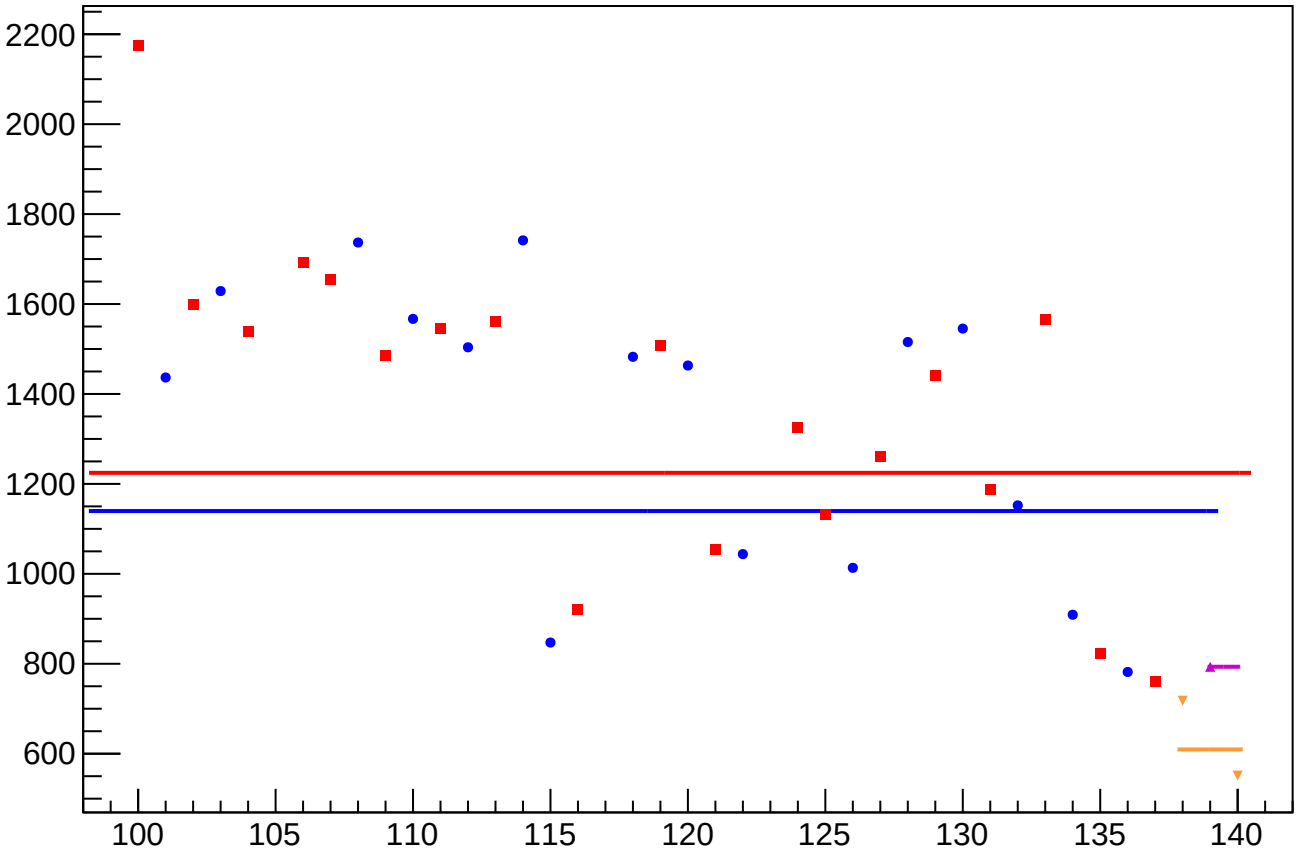
Left: -169.835+/-423.874 χ^2/NDF: 6.3/2

Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -489.230+/-394.024 χ^2/NDF:23.3/16

Out: 63.536+/-335.440 χ^2/NDF:20.1/20

All: -168.739+/-255.419 χ^2/NDF: 44.5/37



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 609.503+/-0.344 χ^2/NDF:53252.5/1

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 793.369+/-0.611 χ^2/NDF:0.0/0

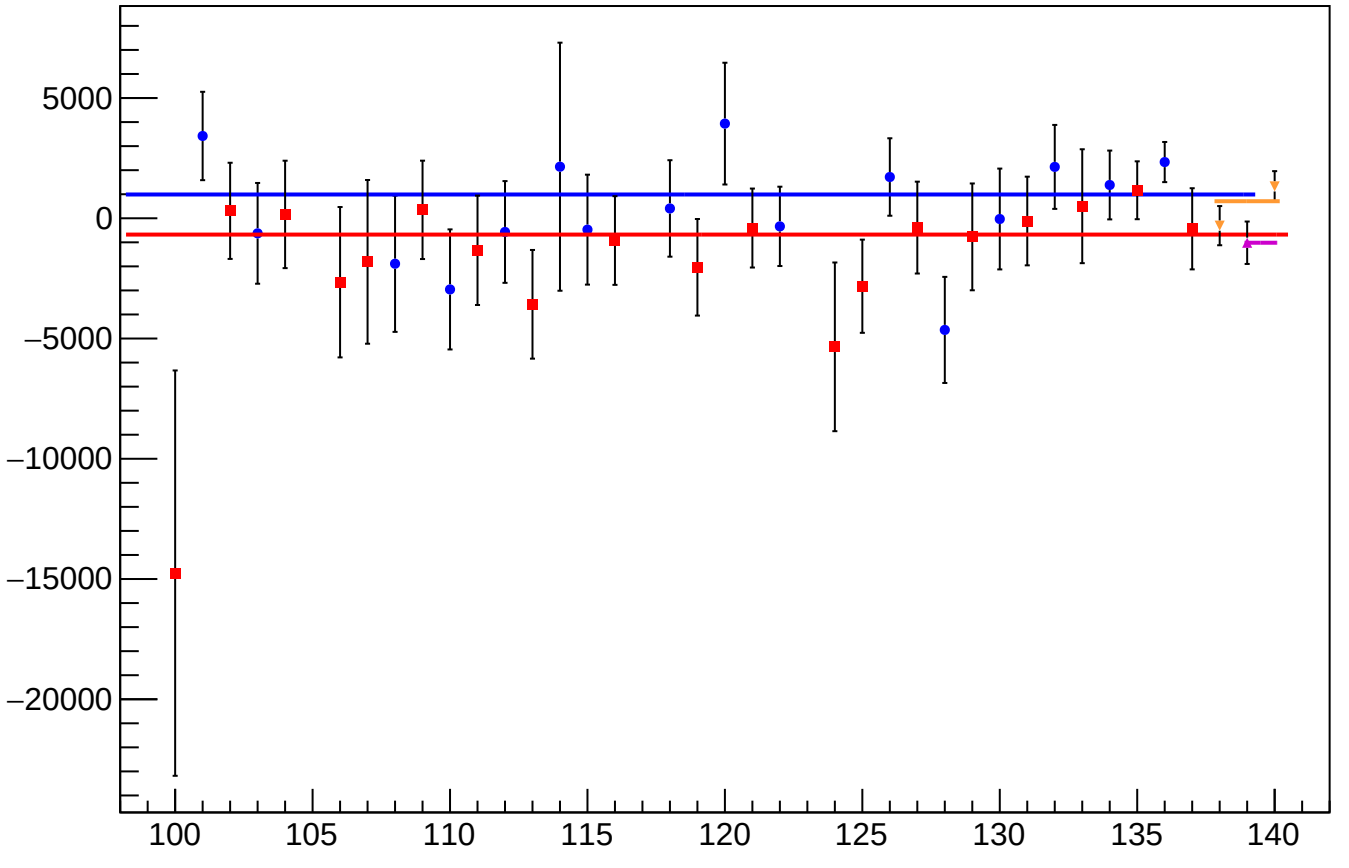
Left: 653.740+/-0.300 χ^2/NDF: 122009.4/2

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 1067.663+/-0.279 χ^2/NDF:1347782.8/16

Out: 932.085+/-0.237 χ^2/NDF:2653039.5/20

All: 989.056+/-0.181 χ^2/NDF: 4138112.1/37



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 709.675+/-500.585 χ^2/NDF:2.5/1

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: -1017.143+/-882.079 χ^2/NDF:0.0/0

Left: 289.011+/-435.363 χ^2/NDF: 5.4/2

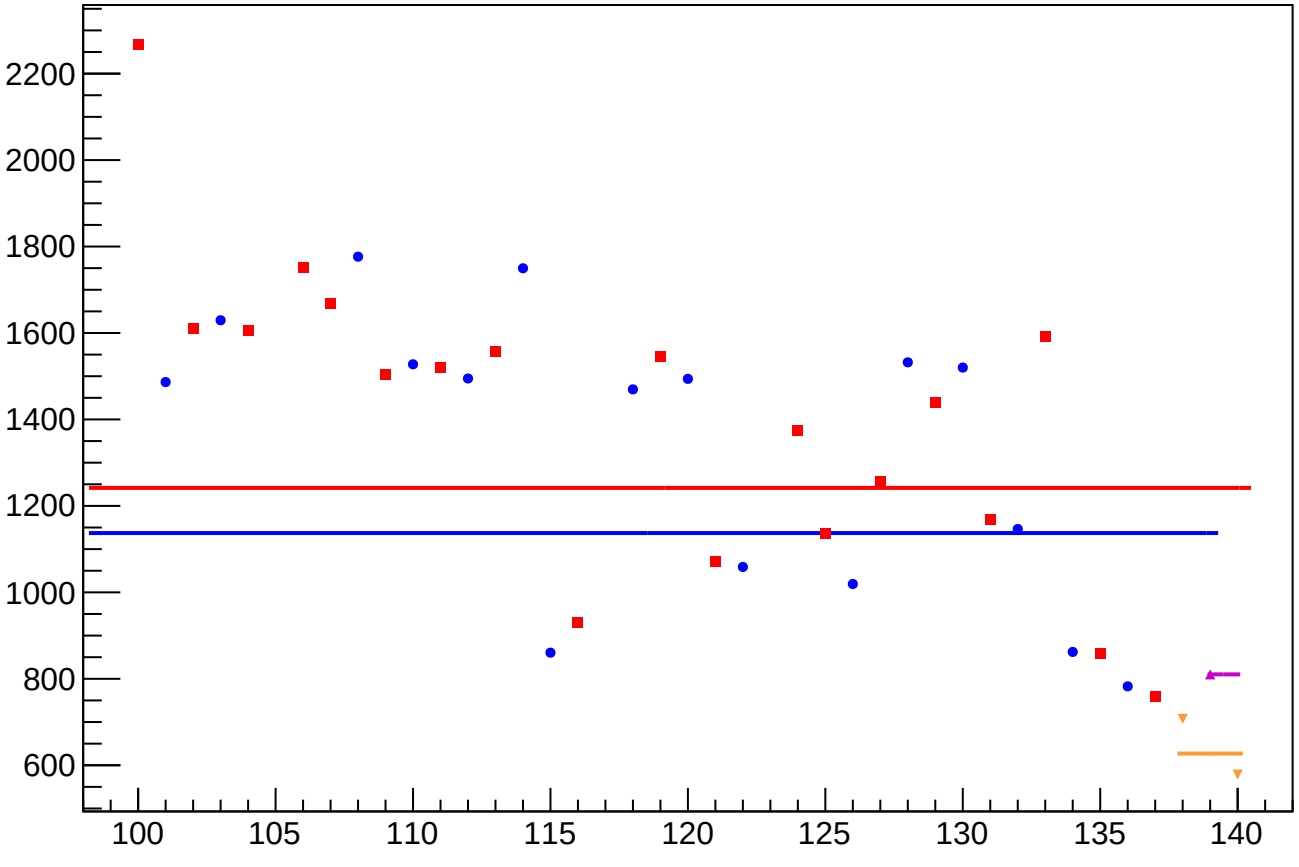
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 585.707+/-395.618 χ^2/NDF:23.2/16

Out: -28.162+/-342.508 χ^2/NDF:18.5/20

All: 234.831+/-258.946 χ^2/NDF: 43.0/37

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 627.080+/-0.354 χ^2/NDF:31203.1/1

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 810.264+/-0.624 χ^2/NDF:0.0/0

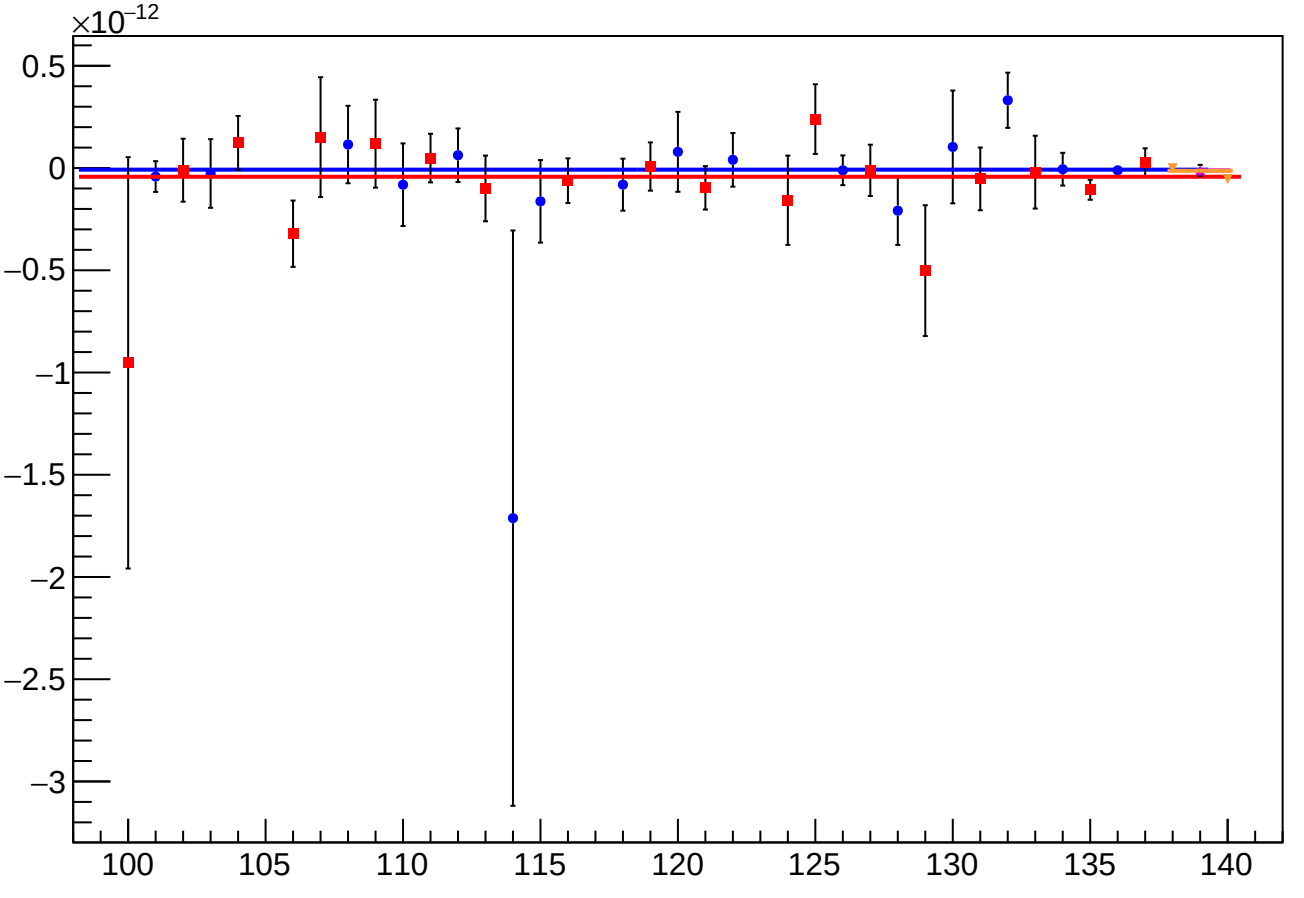
Left: 671.705+/-0.308 χ^2/NDF: 96446.9/2

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 1071.450+/-0.280 χ^2/NDF:1343195.3/16

Out: 953.970+/-0.242 χ^2/NDF:2534198.8/20

All: 1004.301+/-0.183 χ^2/NDF: 3978199.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.7/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.000+/-0.000 χ^2/NDF: 6.7/2

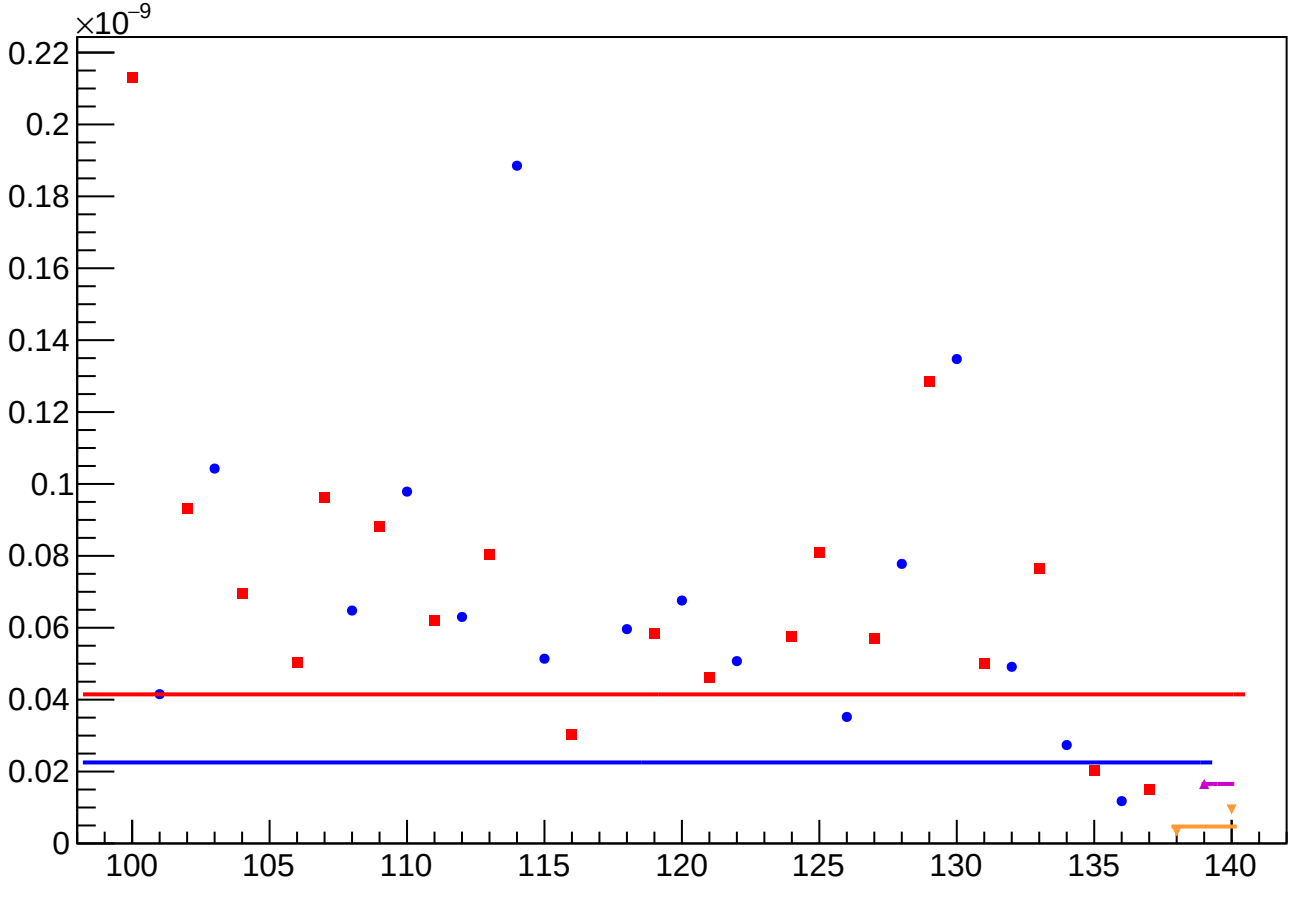
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:11.7/16

Out: -0.000+/-0.000 χ^2/NDF:23.3/20

All: -0.000+/-0.000 χ^2/NDF: 35.3/37

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:183099.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

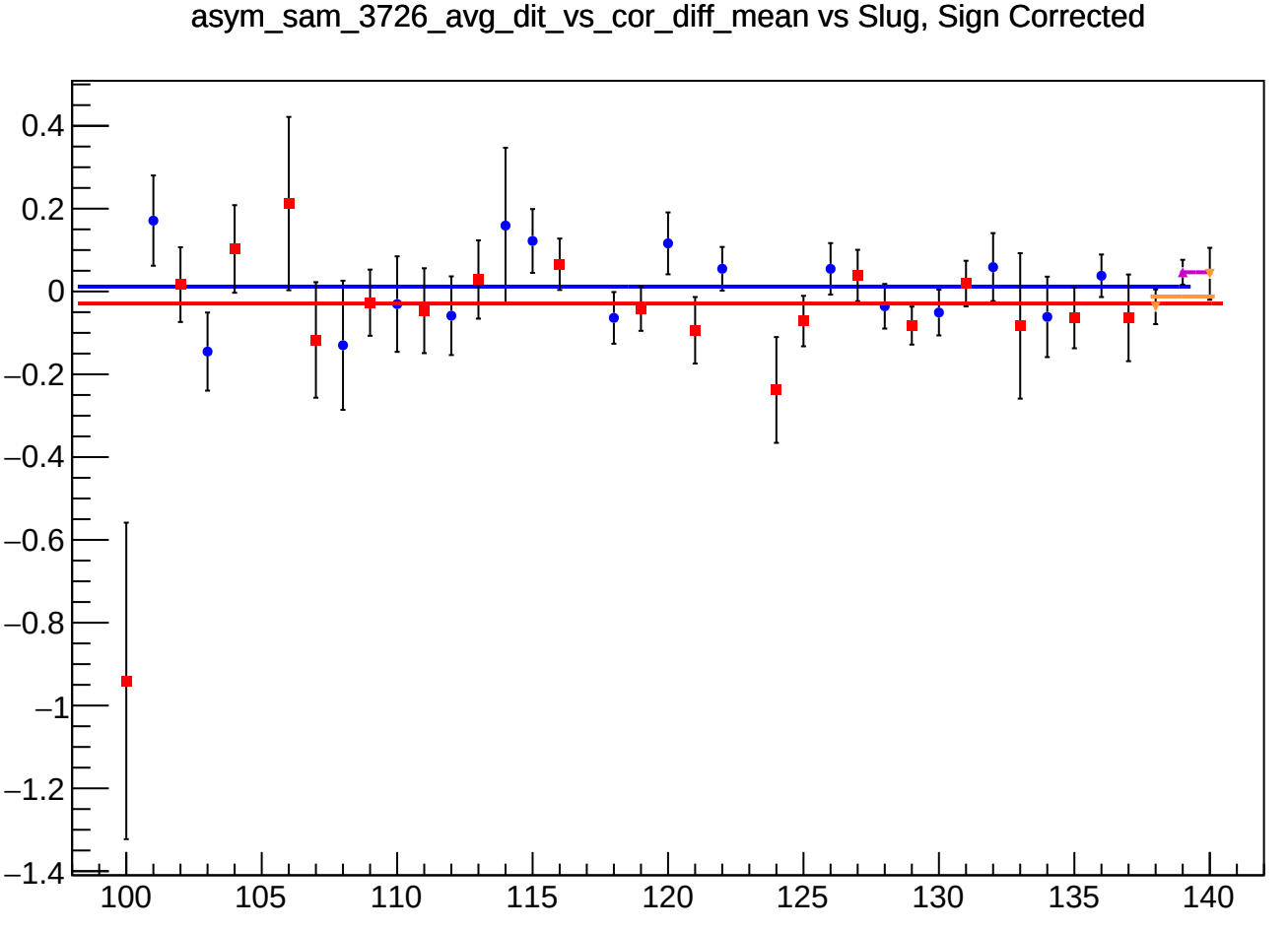
Left: 0.000+/-0.000 χ^2/NDF: 537620.8/2

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:2922982.3/16

Out: 0.000+/-0.000 χ^2/NDF:5381774.7/20

All: 0.000+/-0.000 χ^2/NDF: 9458637.3/37



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.012+/-0.035 χ^2/NDF:1.1/1

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.046+/-0.030 χ^2/NDF:0.0/0

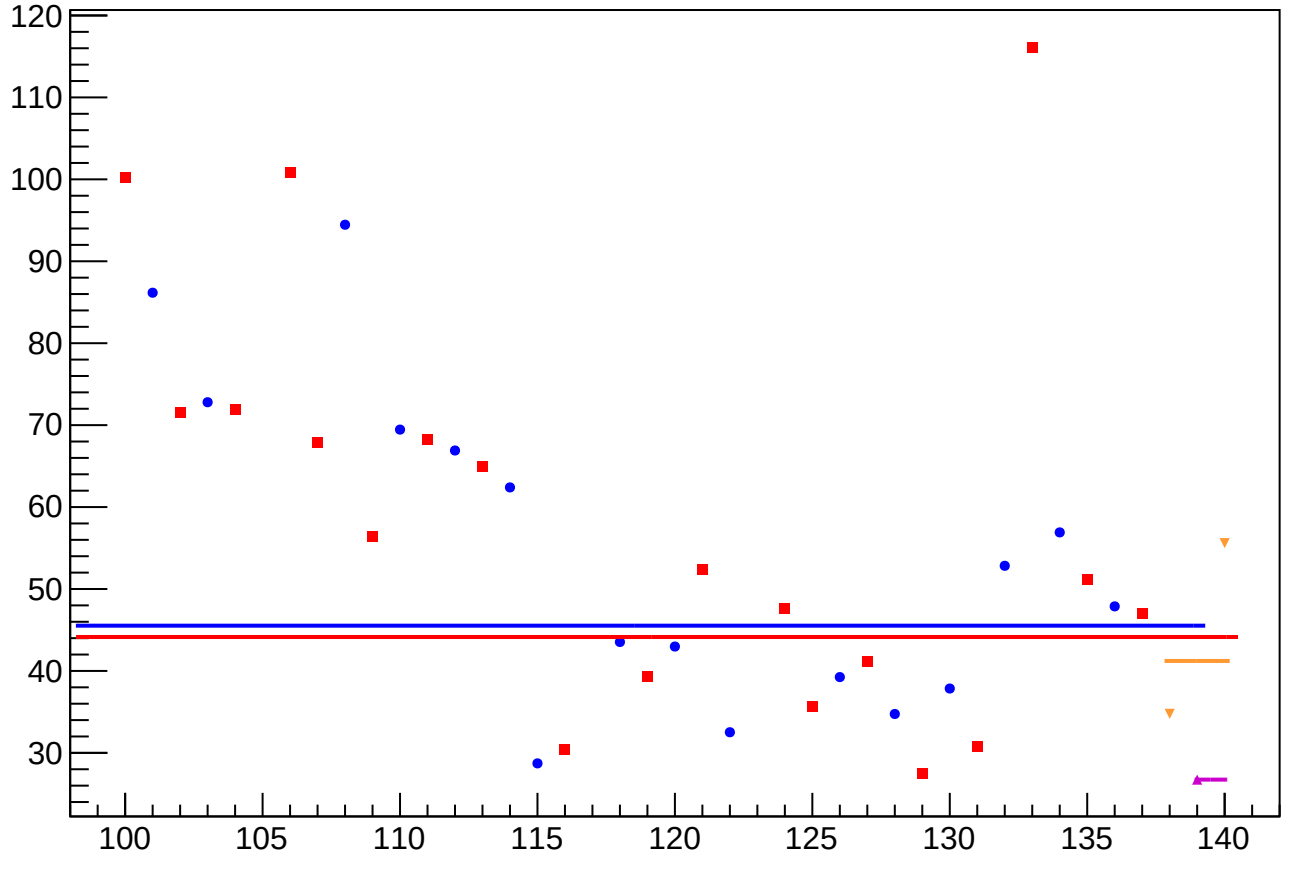
Left: 0.021+/-0.023 χ^2/NDF: 2.7/2

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.021+/-0.016 χ^2/NDF:17.8/16

Out: -0.026+/-0.016 χ^2/NDF:20.8/20

All: -0.002+/-0.011 χ^2/NDF: 43.0/37



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 41.218+/-0.025 χ^2/NDF:152301.7/1

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 26.734+/-0.021 χ^2/NDF:0.0/0

Left: 32.912+/-0.016 χ^2/NDF: 349666.9/2

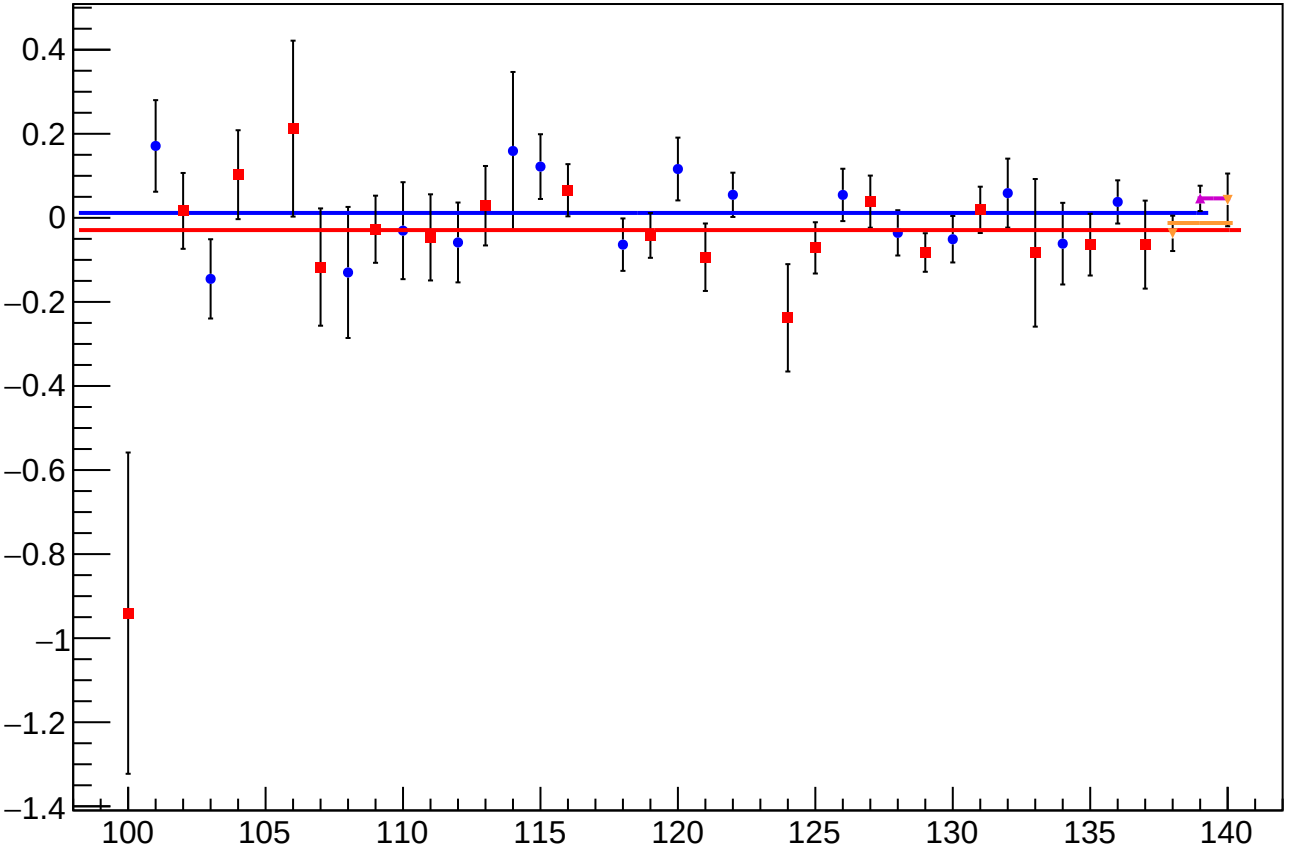
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.449+/-0.011 χ^2/NDF:1822405.6/16

Out: 43.534+/-0.011 χ^2/NDF:1906834.7/20

All: 41.965+/-0.008 χ^2/NDF: 3767427.1/37

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.012+/-0.035 χ^2/NDF:1.1/1

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.046+/-0.030 χ^2/NDF:0.0/0

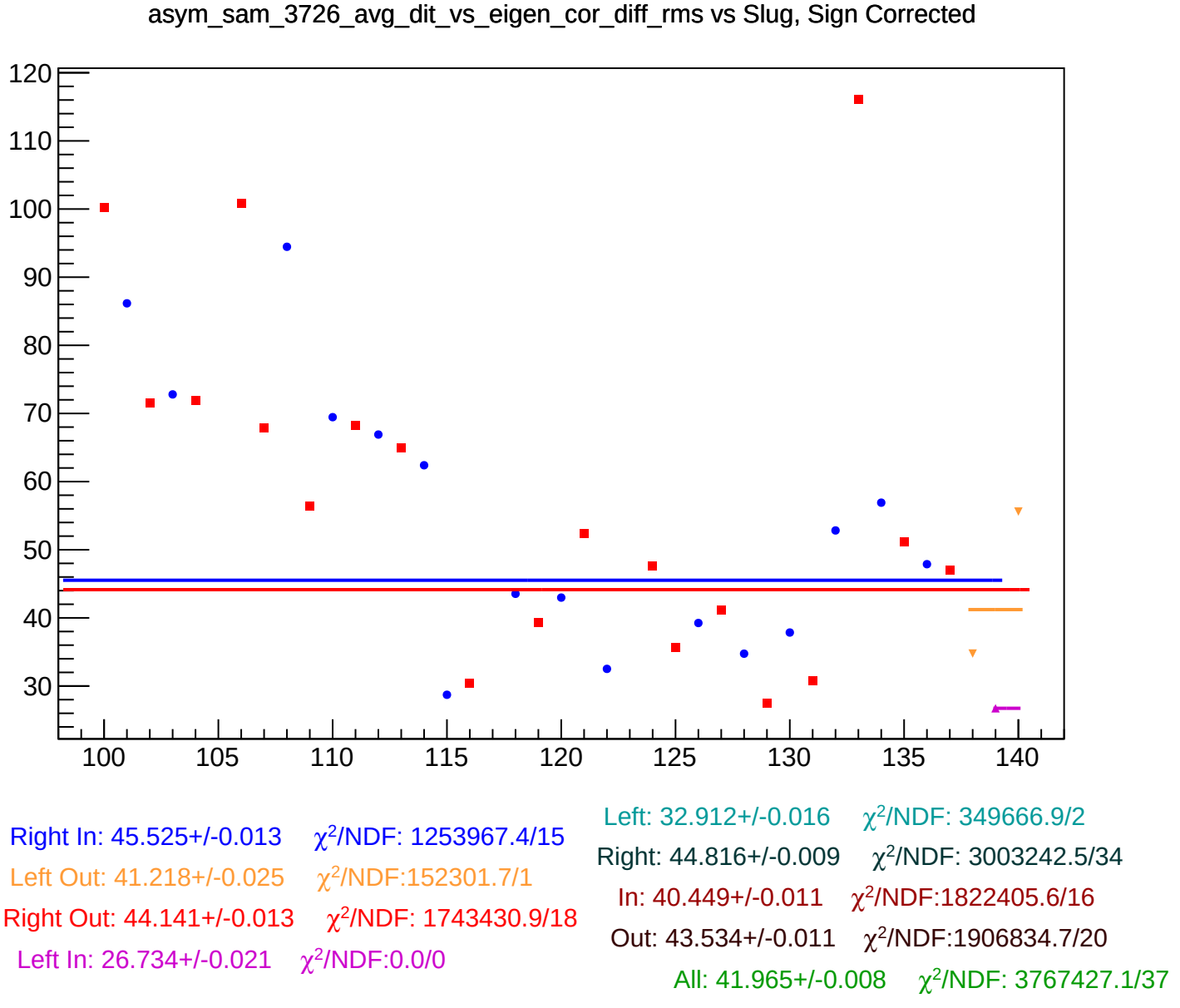
Left: 0.021+/-0.023 χ^2/NDF: 2.7/2

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.021+/-0.016 χ^2/NDF:17.8/16

Out: -0.026+/-0.016 χ^2/NDF:20.8/20

All: -0.002+/-0.011 χ^2/NDF: 43.0/37


asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
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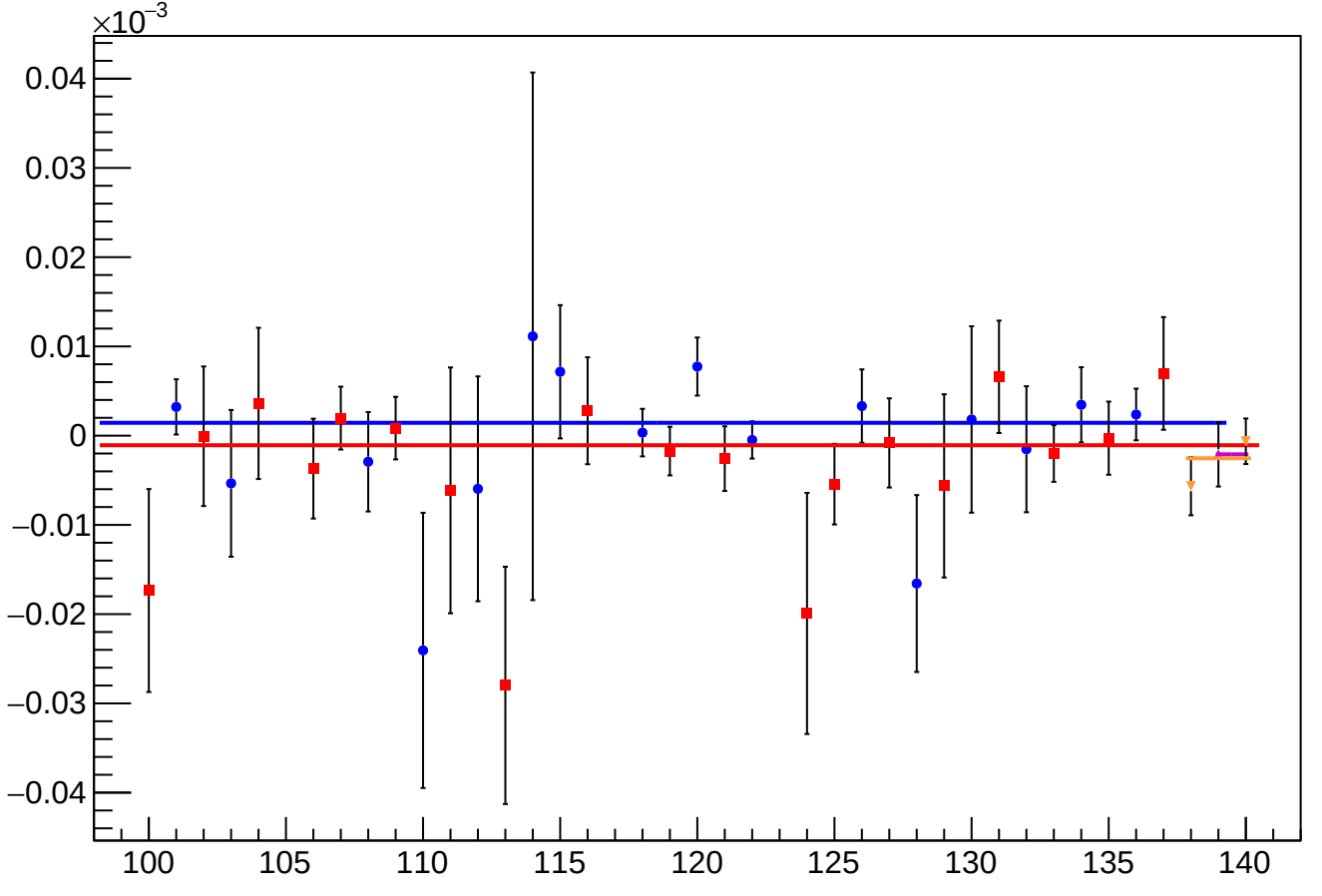
Right In: 45.525+/-0.013 χ²/NDF: 1253967.4/15
Left Out: 41.218+/-0.025 χ²/NDF:152301.7/1
Right Out: 44.141+/-0.013 χ²/NDF: 1743430.9/18
Left In: 26.734+/-0.021 χ²/NDF:0.0/0
Left: 32.912+/-0.016 χ²/NDF: 349666.9/2
Right: 44.816+/-0.009 χ²/NDF: 3003242.5/34
In: 40.449+/-0.011 χ²/NDF:1822405.6/16
Out: 43.534+/-0.011 χ²/NDF:1906834.7/20
All: 41.965+/-0.008 χ²/NDF: 3767427.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.000+/-0.000 χ^2/NDF: 1.5/2

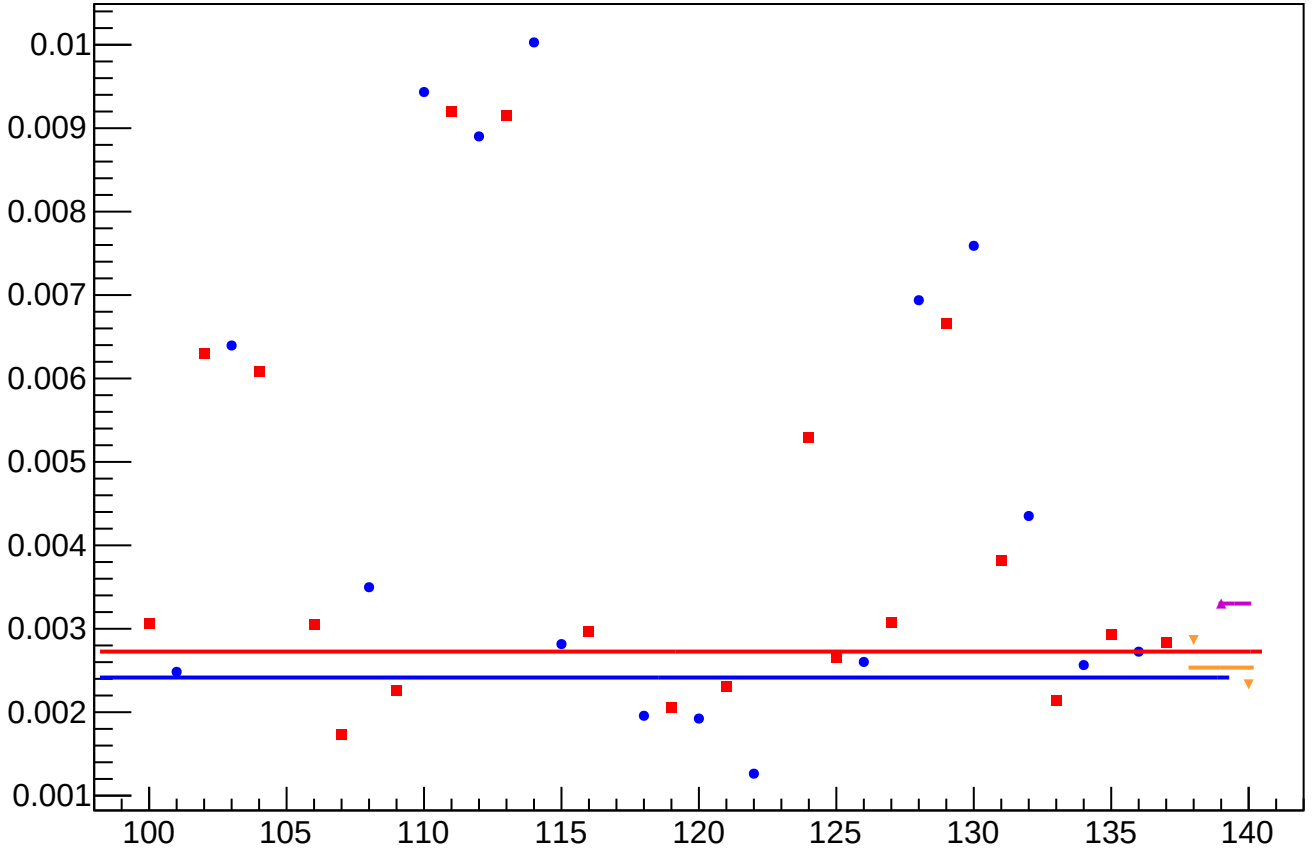
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:15.1/16

Out: -0.000+/-0.000 χ^2/NDF:16.7/20

All: -0.000+/-0.000 χ^2/NDF: 35.2/37

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.003+/-0.000 χ^2/NDF:32918.9/1

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 101978.8/2

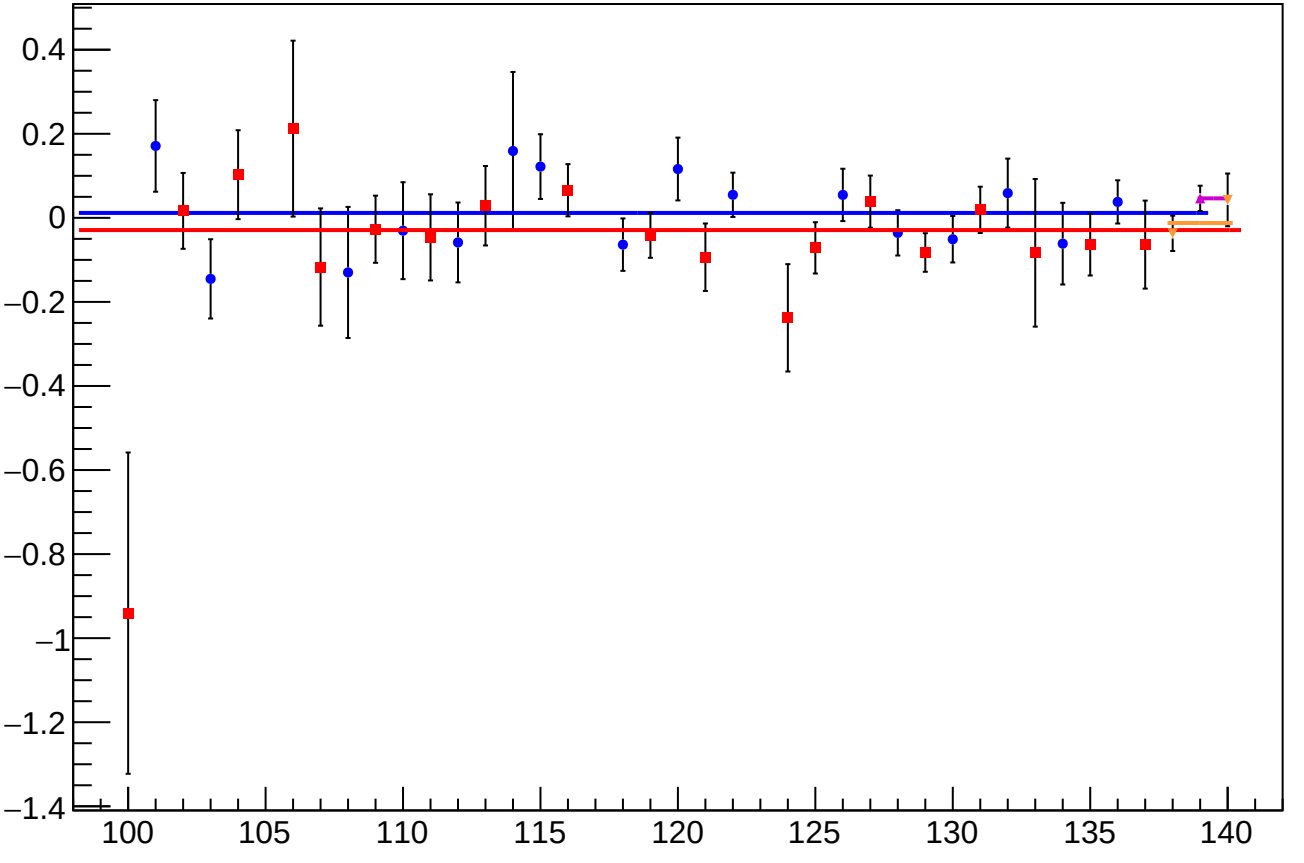
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:3543553.8/16

Out: 0.003+/-0.000 χ^2/NDF:2551914.4/20

All: 0.003+/-0.000 χ^2/NDF: 6135117.8/37

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.012+/-0.035 χ^2/NDF:1.1/1

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.046+/-0.030 χ^2/NDF:0.0/0

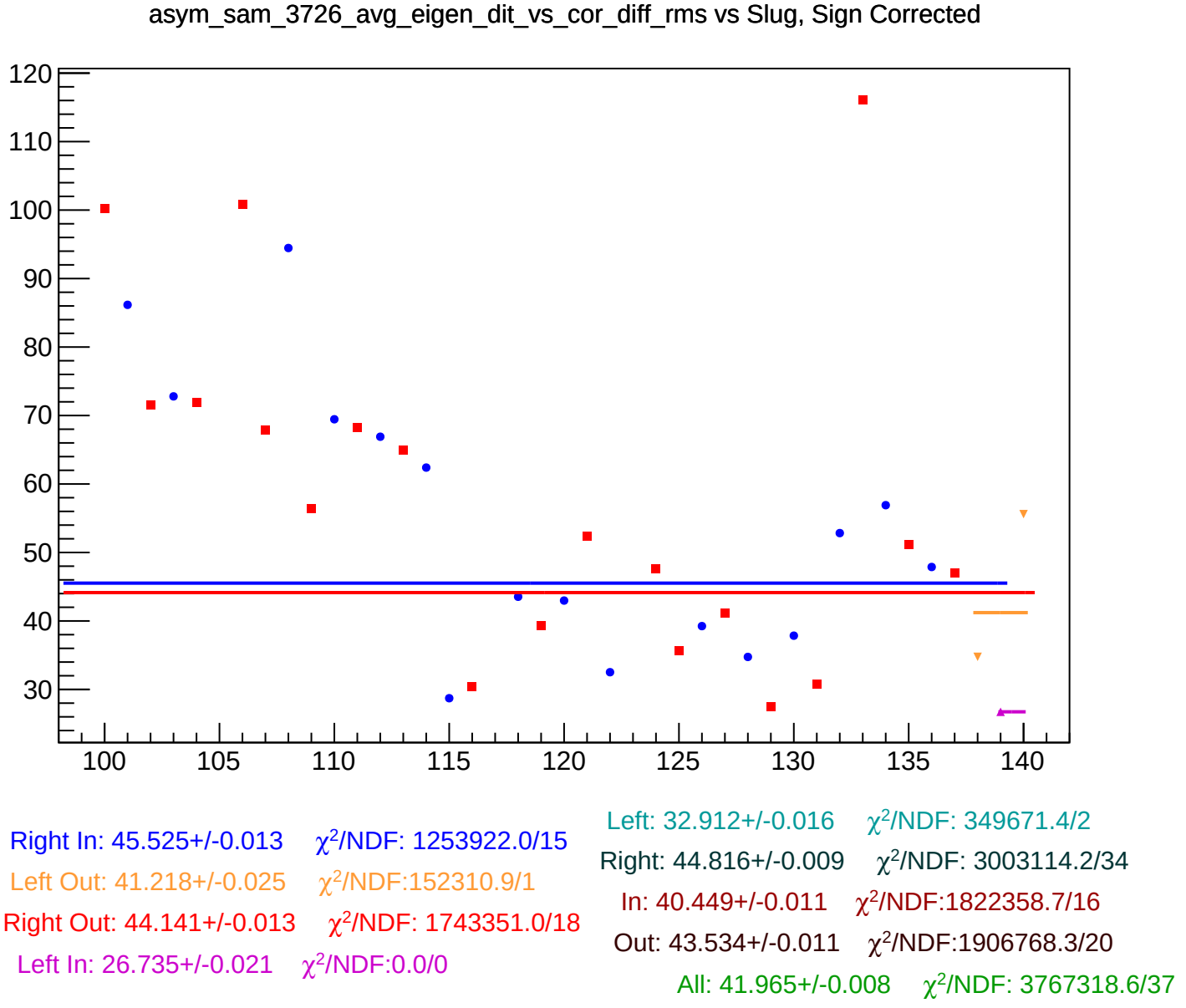
Left: 0.021+/-0.023 χ^2/NDF: 2.7/2

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.021+/-0.016 χ^2/NDF:17.8/16

Out: -0.026+/-0.016 χ^2/NDF:20.8/20

All: -0.002+/-0.011 χ^2/NDF: 43.0/37


asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
120
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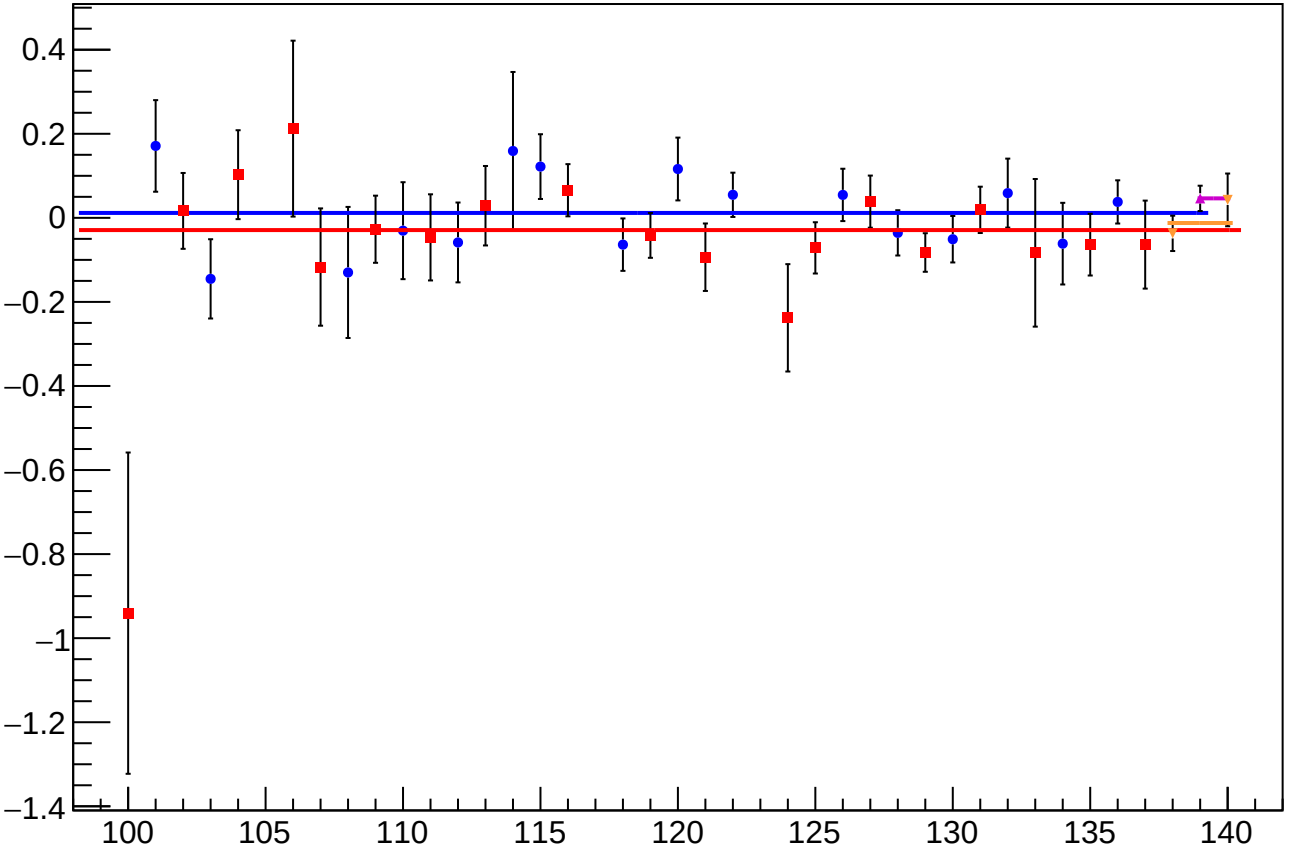
140
Right In: 45.525+/-0.013 χ²/NDF: 1253922.0/15
Left Out: 41.218+/-0.025 χ²/NDF:152310.9/1
Right Out: 44.141+/-0.013 χ²/NDF: 1743351.0/18
Left In: 26.735+/-0.021 χ²/NDF:0.0/0
Left: 32.912+/-0.016 χ²/NDF: 349671.4/2
Right: 44.816+/-0.009 χ²/NDF: 3003114.2/34
In: 40.449+/-0.011 χ²/NDF:1822358.7/16
Out: 43.534+/-0.011 χ²/NDF:1906768.3/20
All: 41.965+/-0.008 χ²/NDF: 3767318.6/37

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.012+/-0.035 χ^2/NDF:1.1/1

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.046+/-0.030 χ^2/NDF:0.0/0

Left: 0.021+/-0.023 χ^2/NDF: 2.7/2

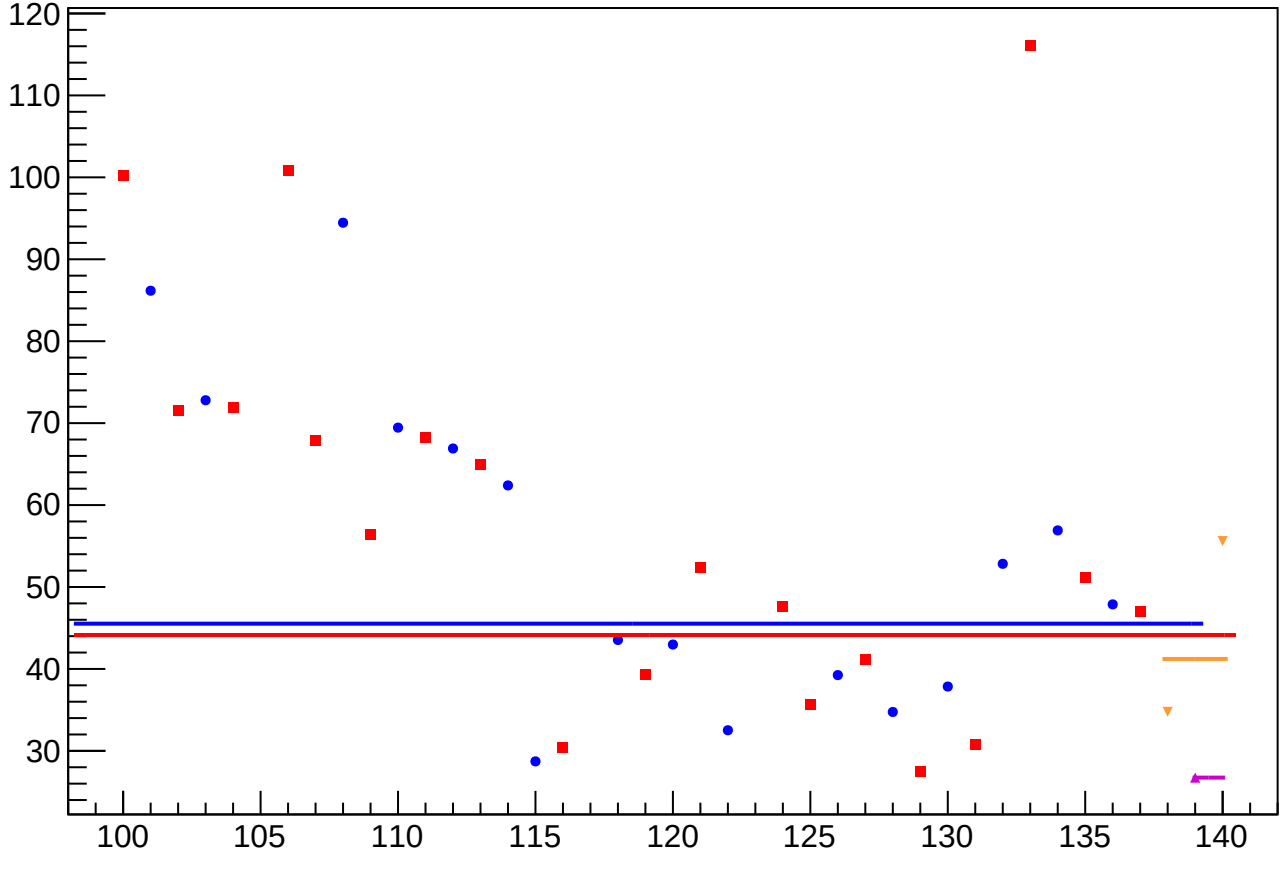
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.021+/-0.016 χ^2/NDF:17.8/16

Out: -0.026+/-0.016 χ^2/NDF:20.8/20

All: -0.002+/-0.011 χ^2/NDF: 43.0/37

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 41.218+/-0.025 χ^2/NDF:152310.9/1

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 26.735+/-0.021 χ^2/NDF:0.0/0

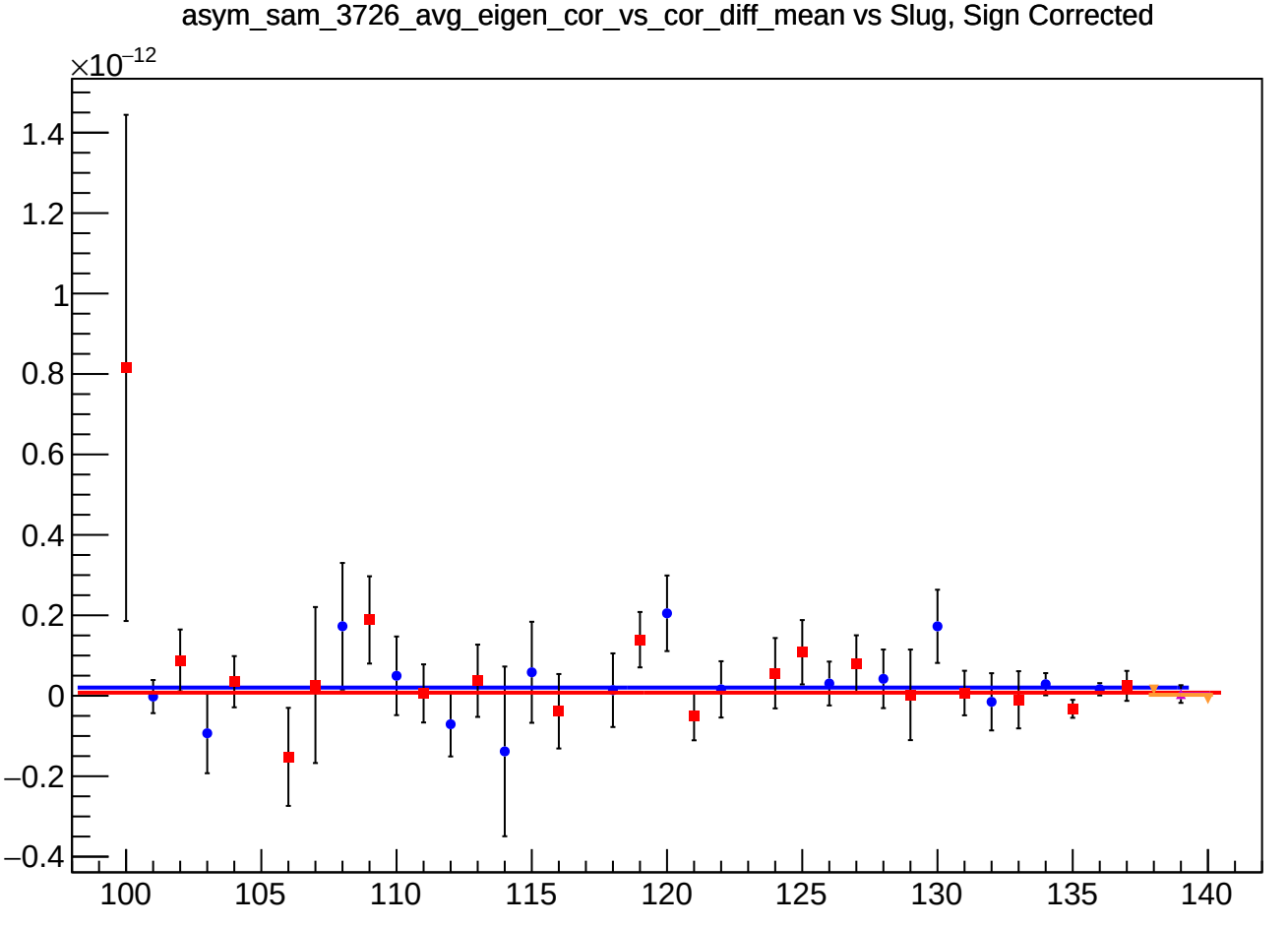
Left: 32.912+/-0.016 χ^2/NDF: 349671.4/2

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.449+/-0.011 χ^2/NDF:1822358.7/16

Out: 43.534+/-0.011 χ^2/NDF:1906768.3/20

All: 41.965+/-0.008 χ^2/NDF: 3767318.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

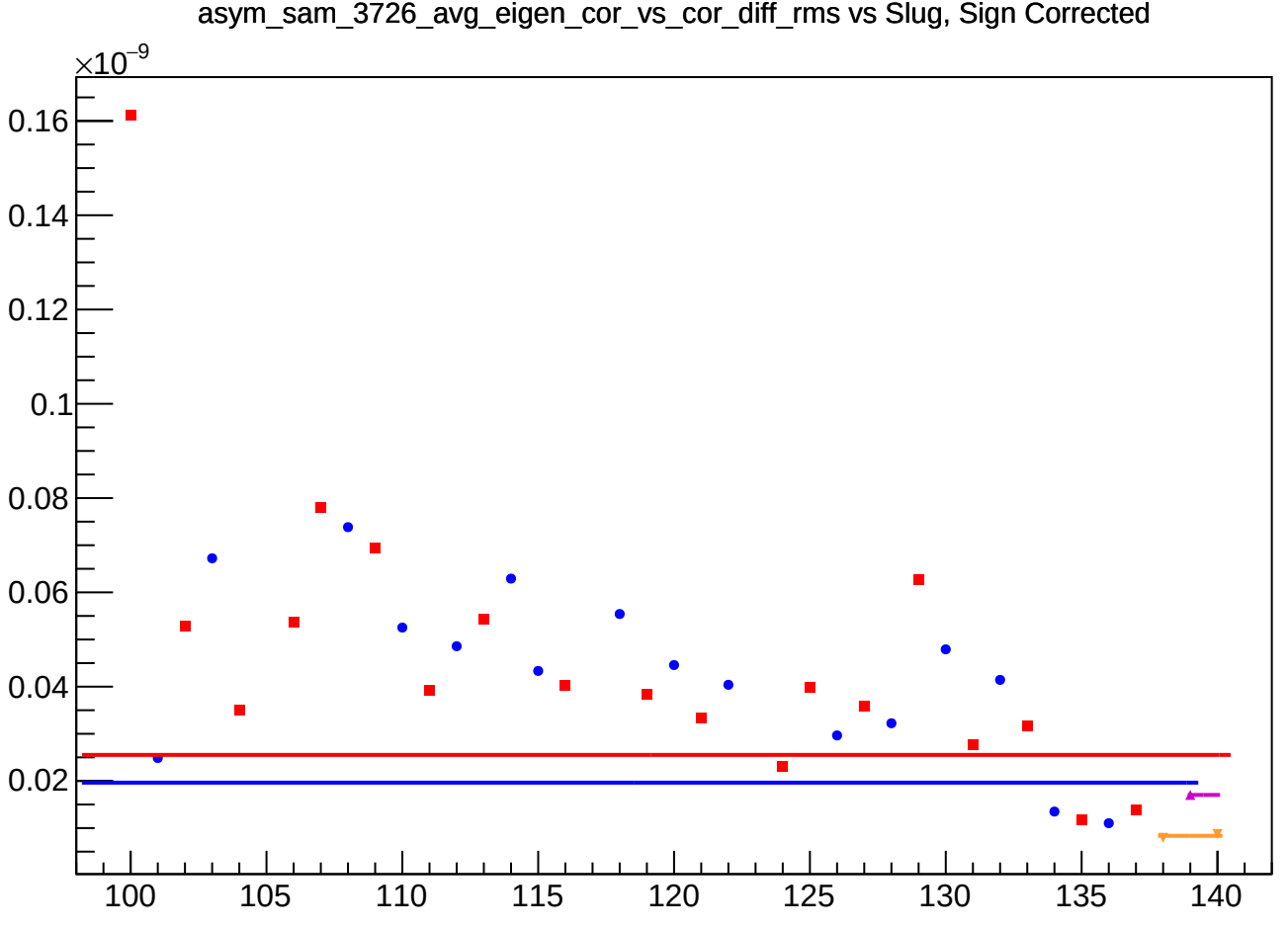
Left: 0.000+/-0.000 χ^2/NDF: 2.1/2

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:12.2/16

Out: 0.000+/-0.000 χ^2/NDF:21.0/20

All: 0.000+/-0.000 χ^2/NDF: 34.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4443.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

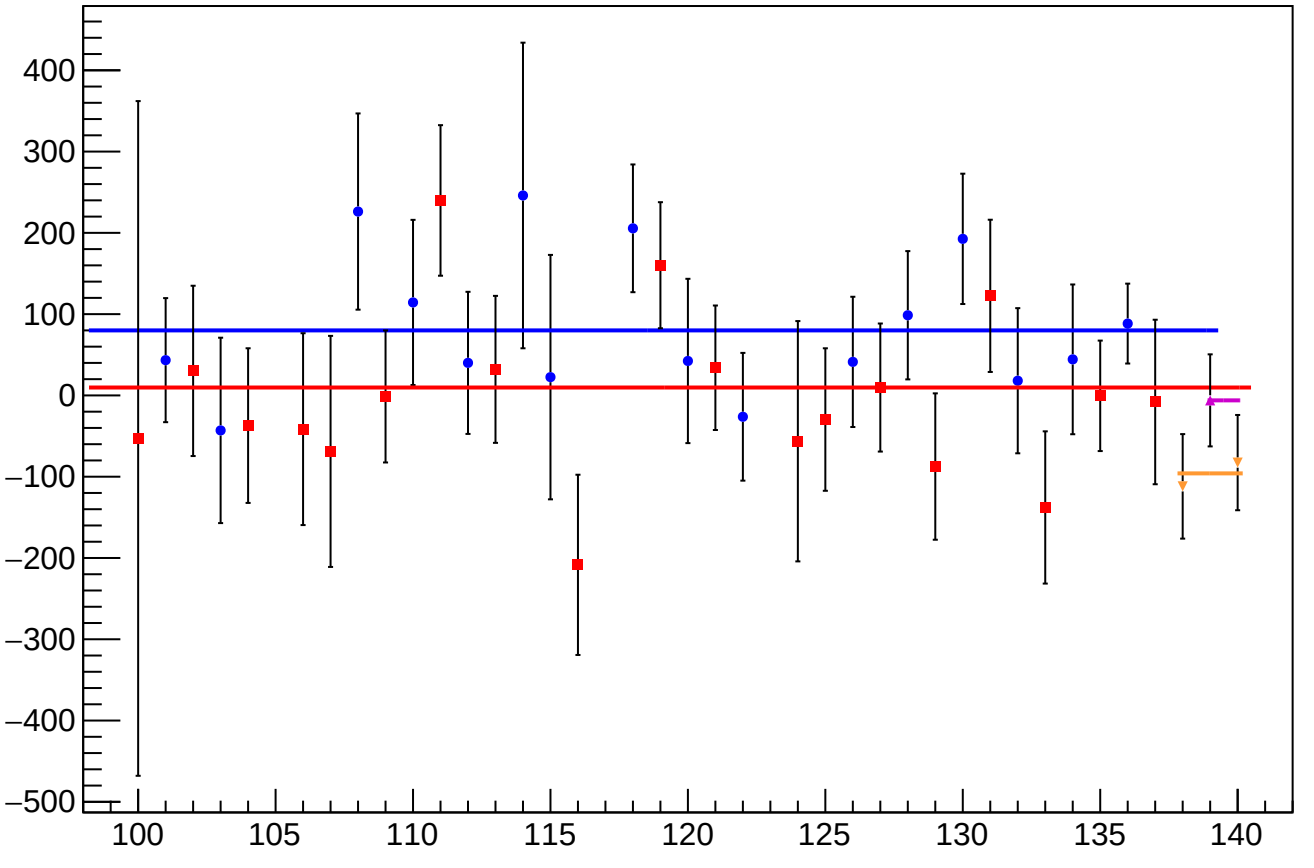
Left: 0.000+/-0.000 χ^2/NDF: 277232.5/2

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:3263451.7/16

Out: 0.000+/-0.000 χ^2/NDF:5008418.3/20

All: 0.000+/-0.000 χ^2/NDF: 8778195.1/37



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -95.922+/-43.313 χ^2/NDF:0.1/1

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -6.088+/-56.629 χ^2/NDF:0.0/0

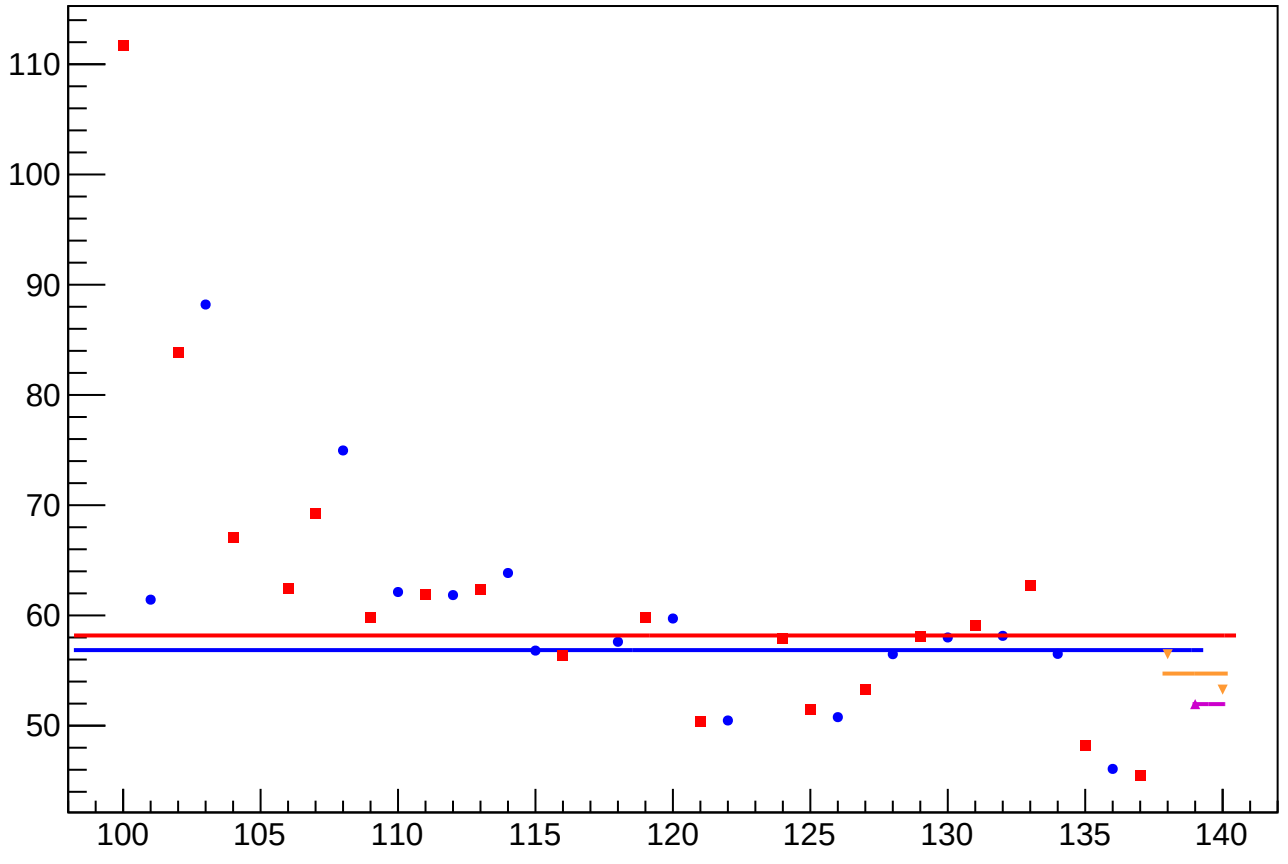
Left: -62.766+/-34.404 χ^2/NDF: 1.7/2

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 69.171+/-20.079 χ^2/NDF:13.6/16

Out: -11.340+/-19.342 χ^2/NDF:25.2/20

All: 27.411+/-13.930 χ^2/NDF: 47.1/37



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 54.726+/-0.031 χ^2/NDF:2729.1/1

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 51.956+/-0.040 χ^2/NDF:0.0/0

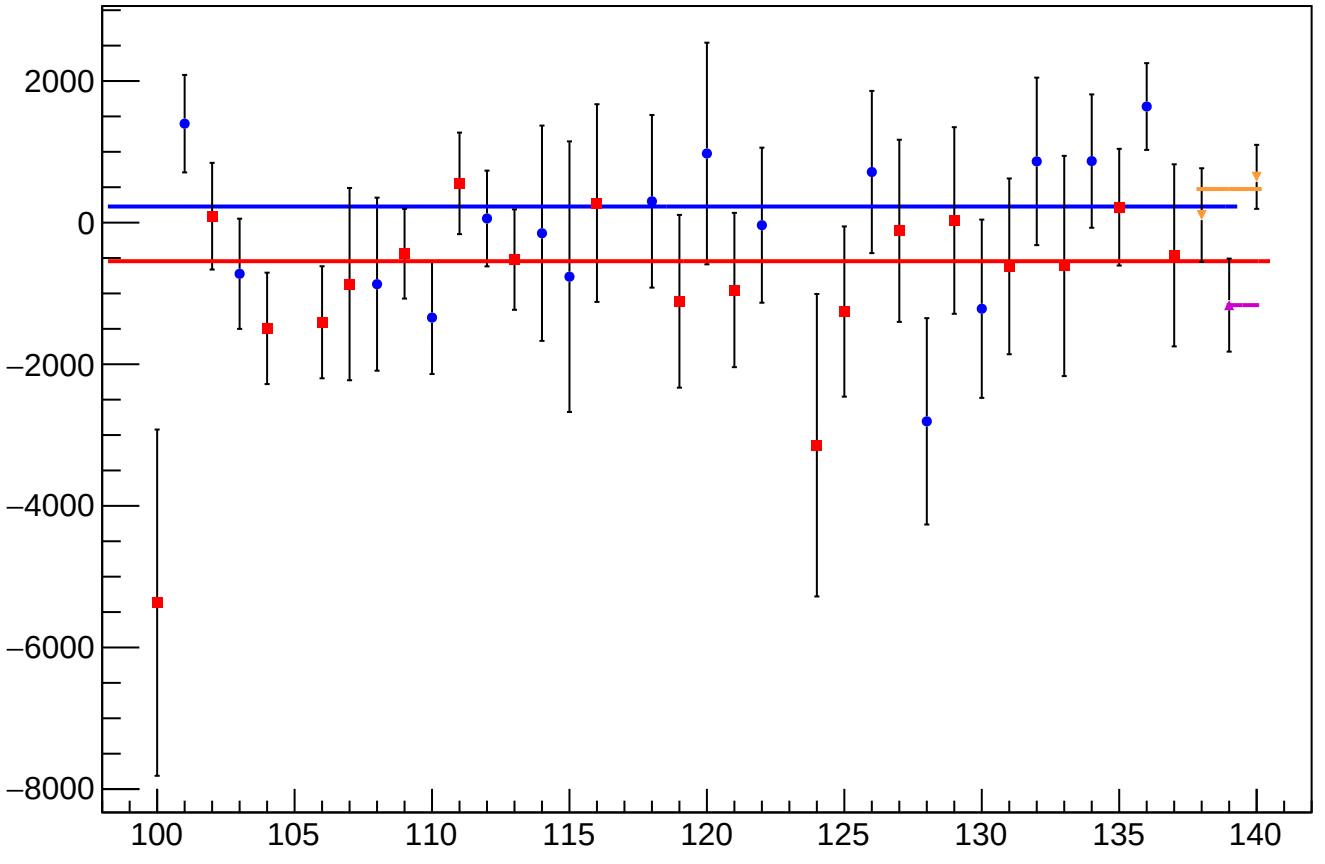
Left: 53.704+/-0.024 χ^2/NDF: 5748.1/2

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 56.238+/-0.014 χ^2/NDF:354684.1/16

Out: 57.492+/-0.014 χ^2/NDF:327581.3/20

All: 56.889+/-0.010 χ^2/NDF: 686310.9/37



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 474.573+/-373.181 χ^2/NDF:0.5/1

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -1165.057+/-656.984 χ^2/NDF:0.0/0

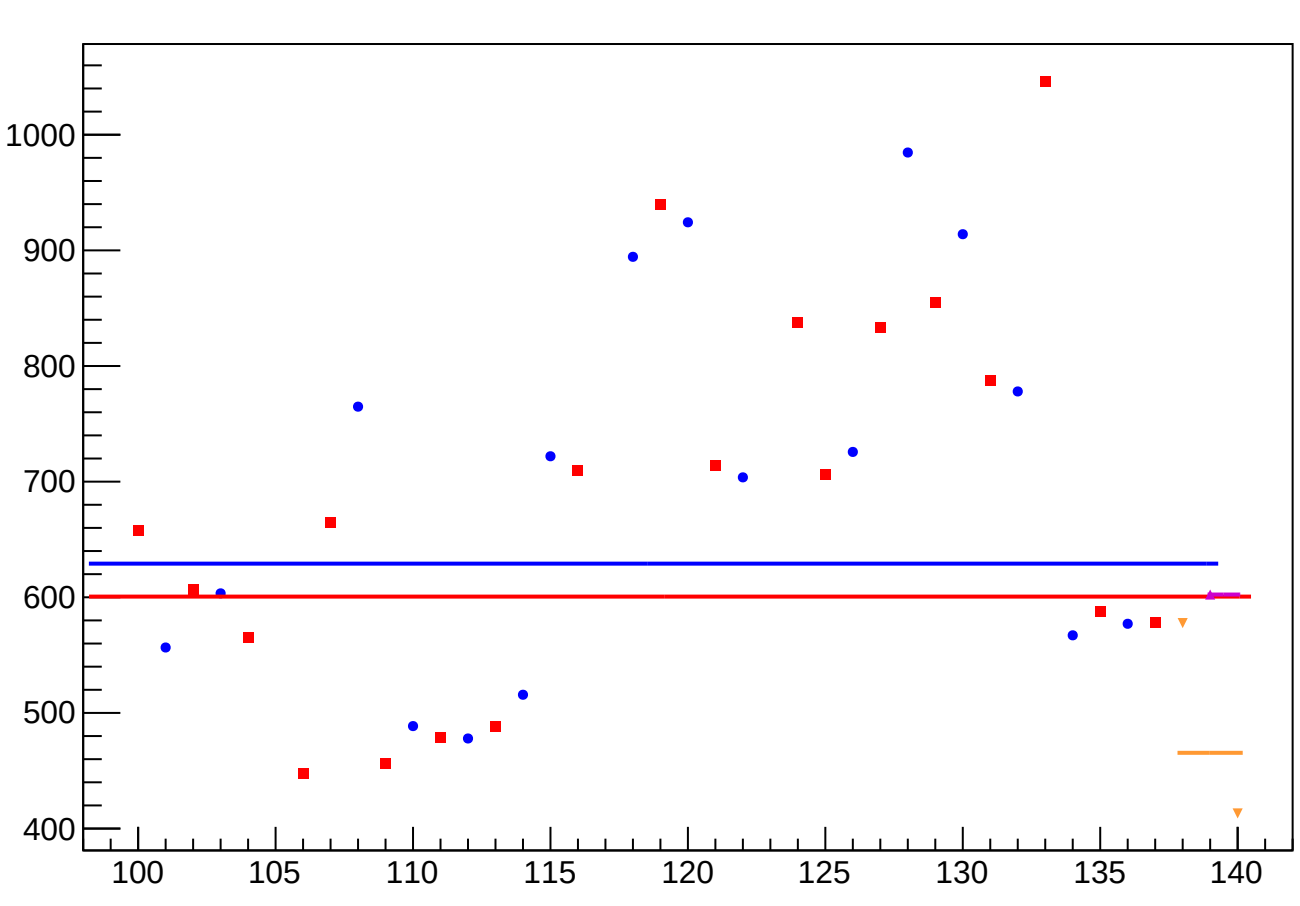
Left: 74.600+/-324.487 χ^2/NDF: 5.2/2

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: 62.074+/-226.444 χ^2/NDF:25.6/16

Out: -269.038+/-194.090 χ^2/NDF:19.3/20

All: -128.806+/-147.365 χ^2/NDF: 46.1/37



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 465.500+/-0.264 χ^2/NDF:84448.7/1

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 602.375+/-0.465 χ^2/NDF:0.0/0

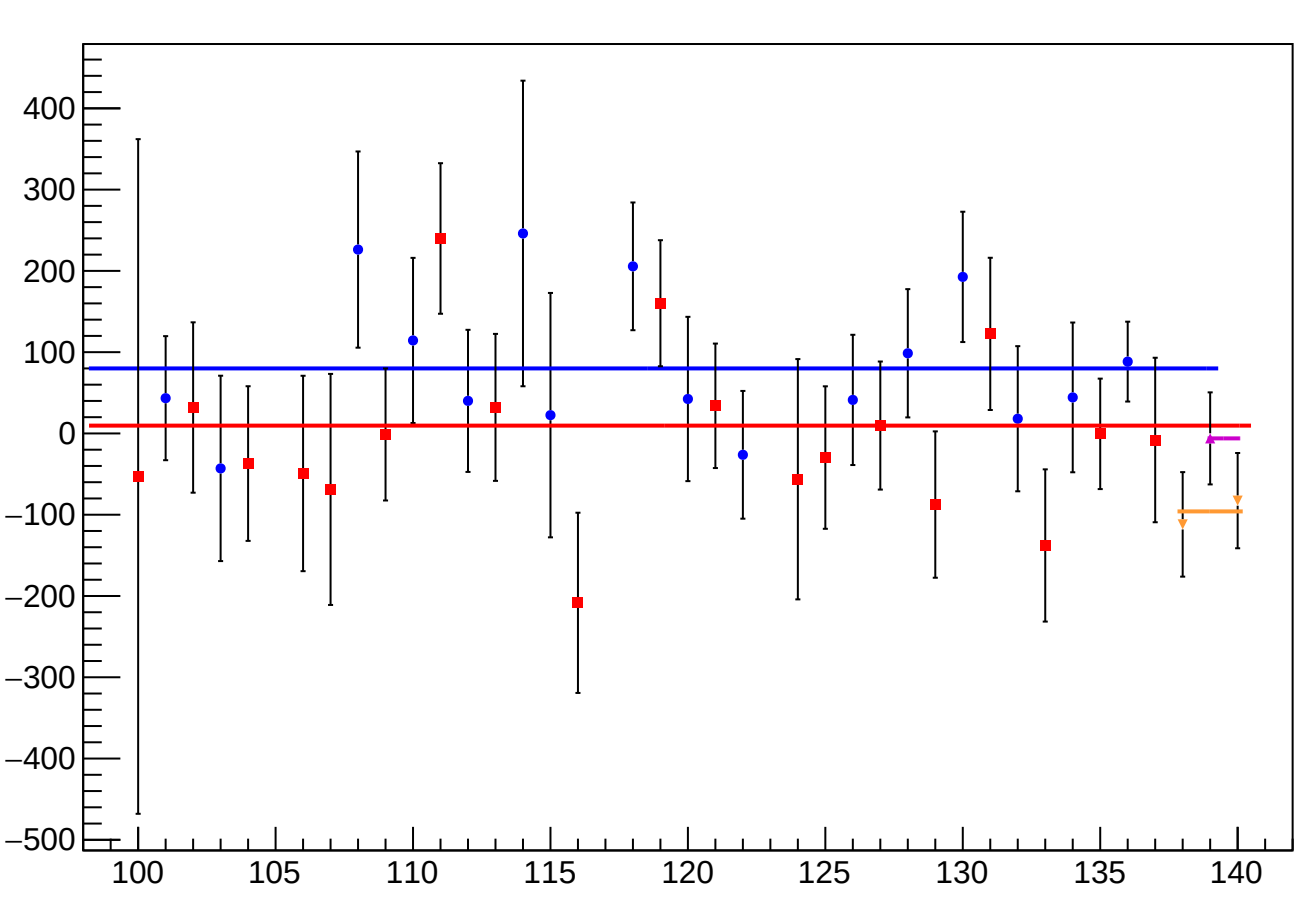
Left: 498.889+/-0.229 χ^2/NDF: 150082.3/2

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 625.921+/-0.160 χ^2/NDF:695639.5/16

Out: 564.050+/-0.137 χ^2/NDF:1150261.7/20

All: 590.254+/-0.104 χ^2/NDF: 1931974.8/37



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -95.932+/-43.313 χ^2/NDF:0.1/1

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -6.089+/-56.629 χ^2/NDF:0.0/0

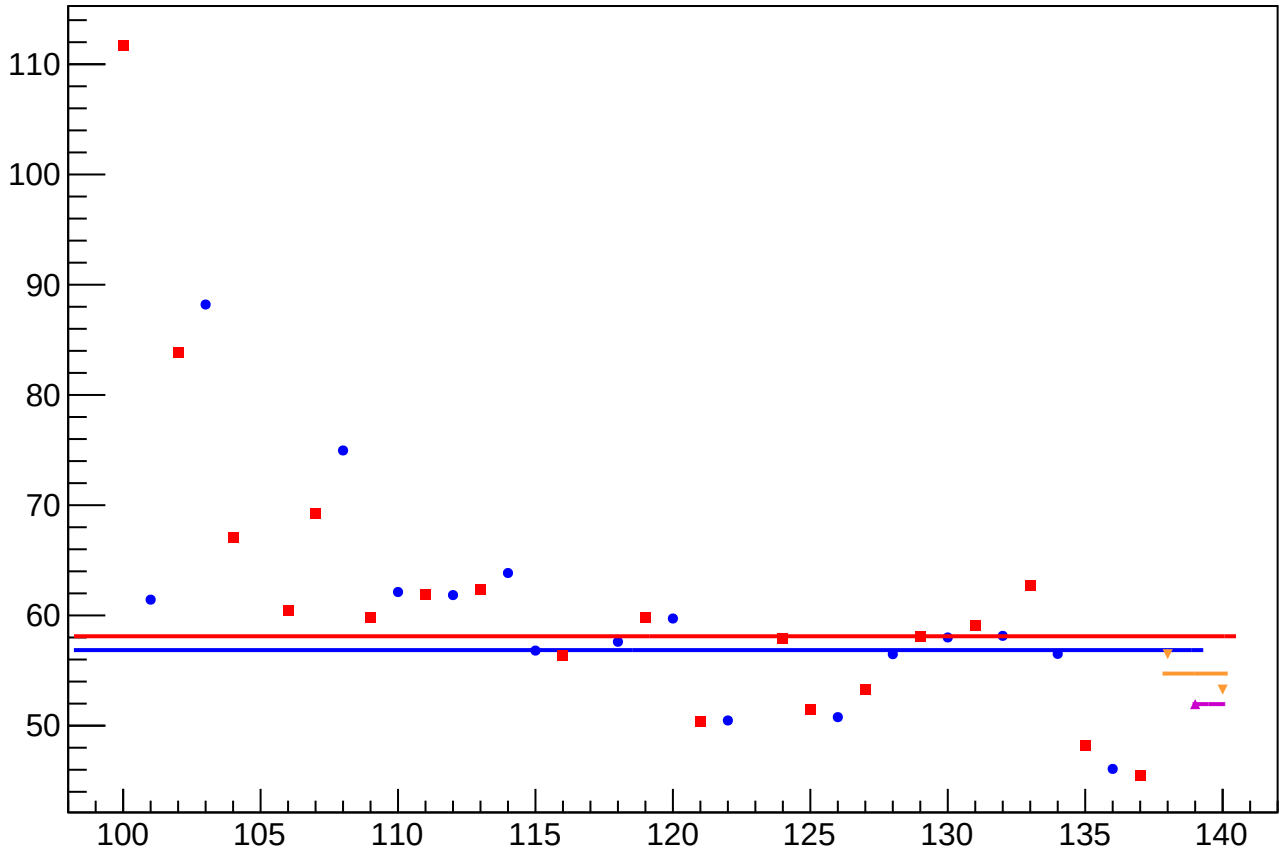
Left: -62.772+/-34.404 χ^2/NDF: 1.7/2

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 69.175+/-20.079 χ^2/NDF:13.6/16

Out: -11.451+/-19.352 χ^2/NDF:25.3/20

All: 27.375+/-13.934 χ^2/NDF: 47.2/37



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 54.726+/-0.031 χ^2/NDF:2729.1/1

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 51.956+/-0.040 χ^2/NDF:0.0/0

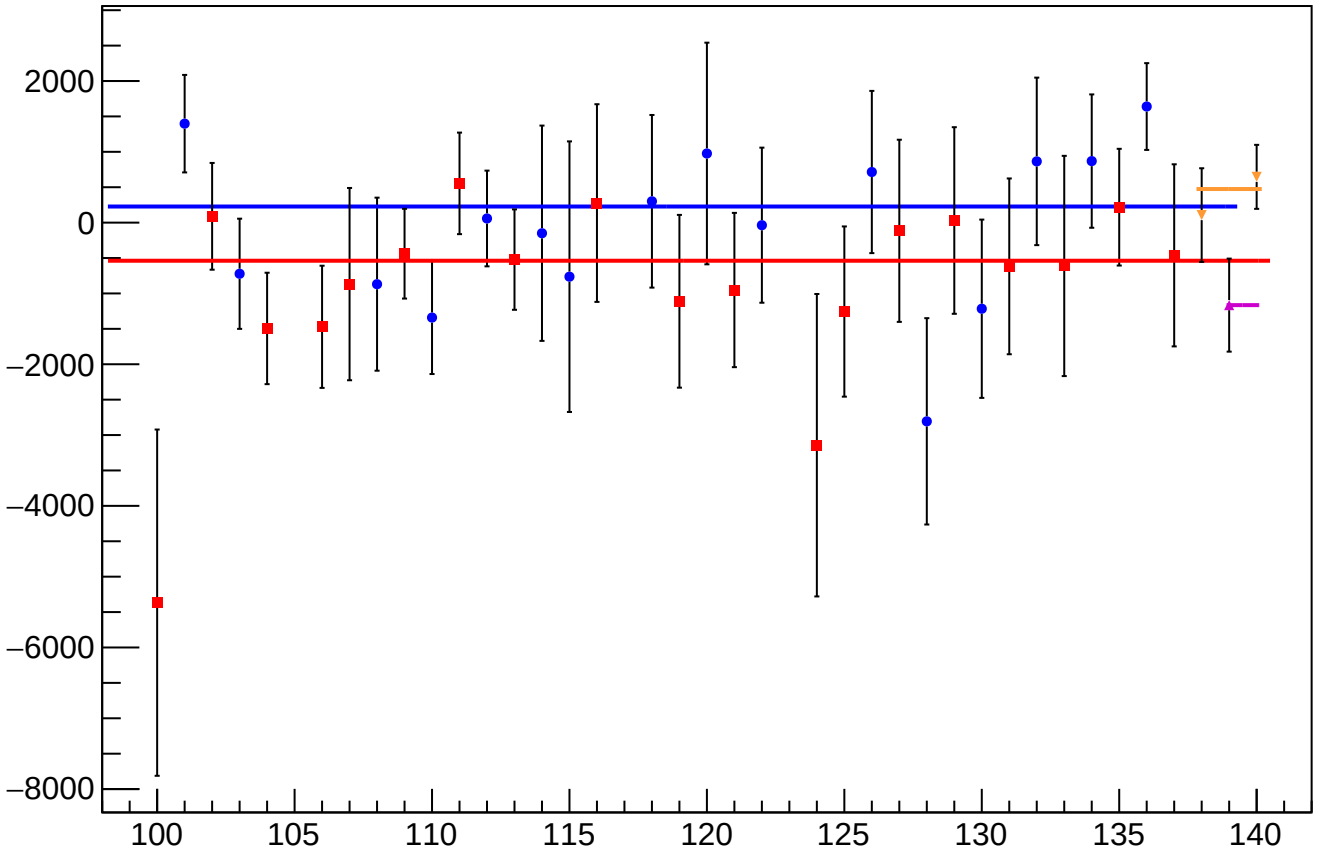
Left: 53.704+/-0.024 χ^2/NDF: 5748.1/2

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 56.238+/-0.014 χ^2/NDF:354687.8/16

Out: 57.435+/-0.014 χ^2/NDF:325443.9/20

All: 56.859+/-0.010 χ^2/NDF: 683814.1/37



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 474.565+/-373.180 χ^2/NDF:0.5/1

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -1165.060+/-656.984 χ^2/NDF:0.0/0

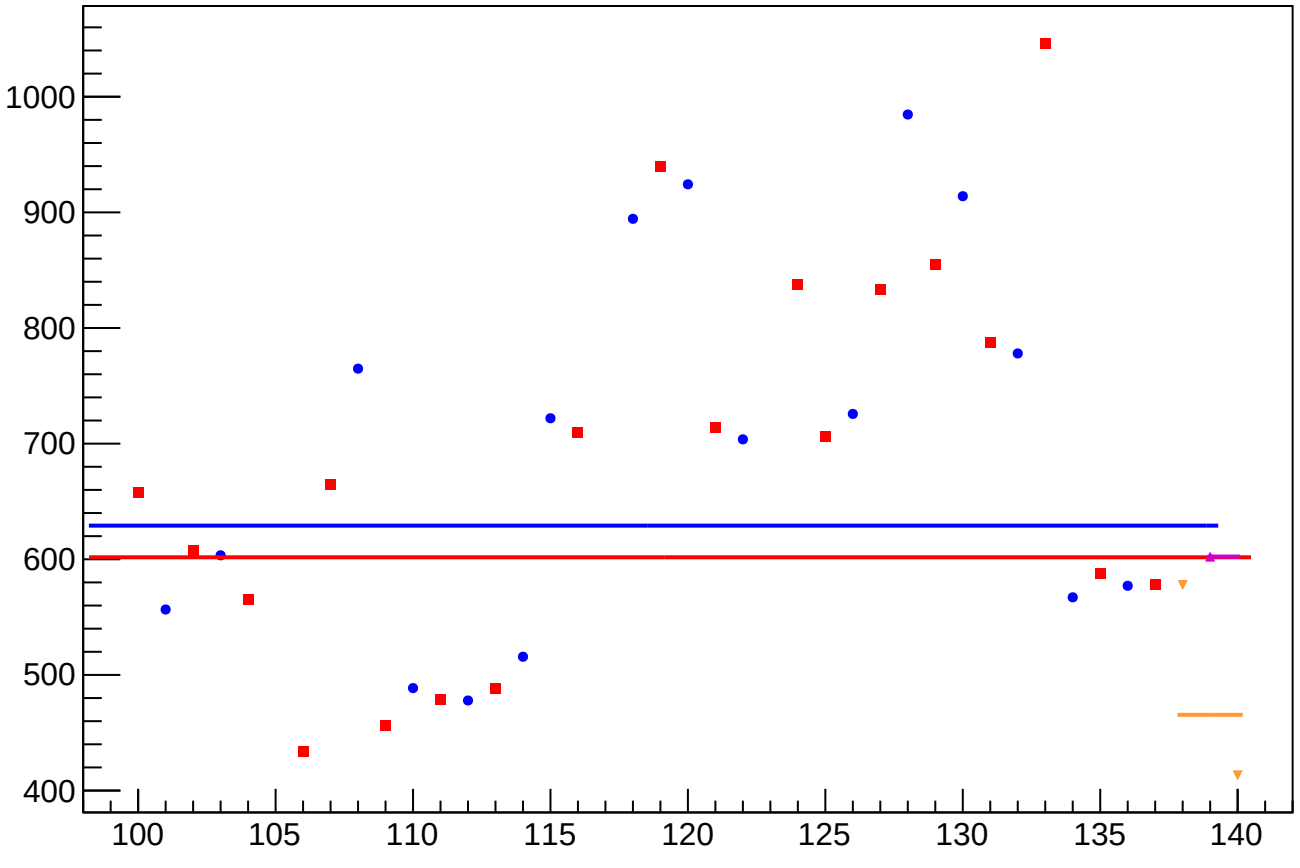
Left: 74.594+/-324.487 χ^2/NDF: 5.2/2

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 62.105+/-226.445 χ^2/NDF:25.6/16

Out: -261.529+/-195.029 χ^2/NDF:19.1/20

All: -123.702+/-147.776 χ^2/NDF: 45.9/37



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 465.499+/-0.264 χ^2/NDF:84448.3/1

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 602.375+/-0.465 χ^2/NDF:0.0/0

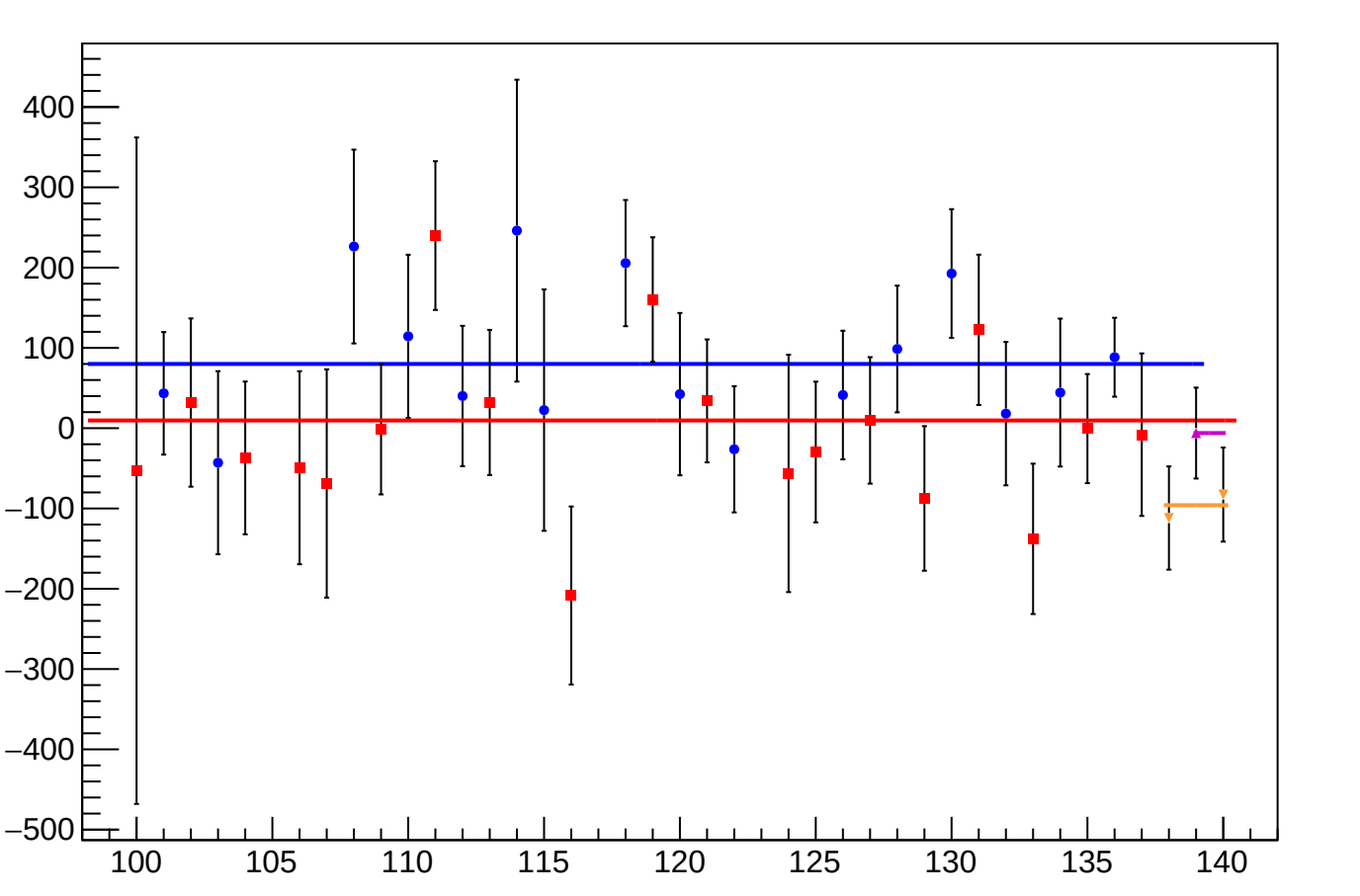
Left: 498.889+/-0.229 χ^2/NDF: 150082.1/2

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 625.925+/-0.160 χ^2/NDF:695632.4/16

Out: 564.515+/-0.138 χ^2/NDF:1152195.9/20

All: 590.668+/-0.104 χ^2/NDF: 1932277.2/37



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -95.932+/-43.313 χ^2/NDF:0.1/1

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -6.089+/-56.629 χ^2/NDF:0.0/0

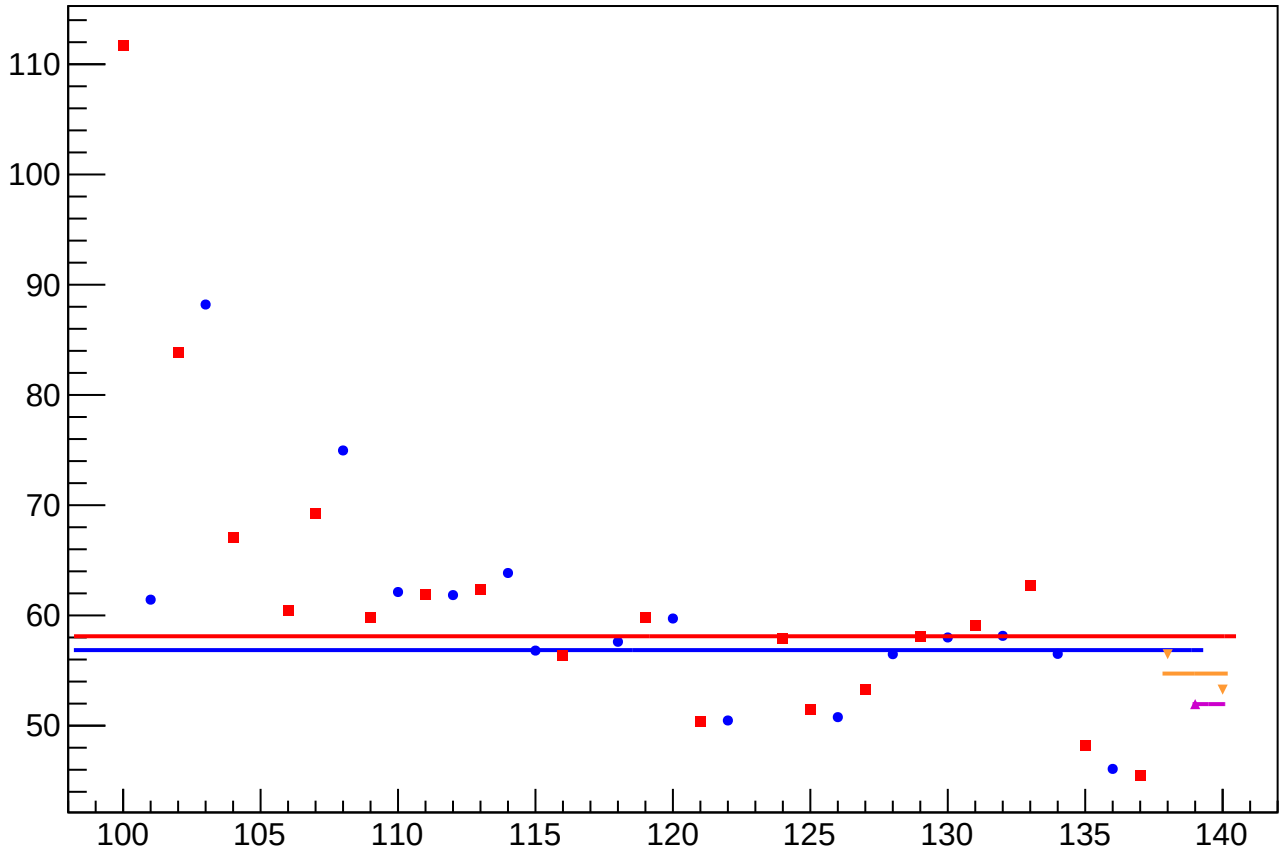
Left: -62.772+/-34.404 χ^2/NDF: 1.7/2

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 69.175+/-20.079 χ^2/NDF:13.6/16

Out: -11.451+/-19.352 χ^2/NDF:25.3/20

All: 27.375+/-13.934 χ^2/NDF: 47.2/37



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 54.726+/-0.031 χ^2/NDF:2729.1/1

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 51.956+/-0.040 χ^2/NDF:0.0/0

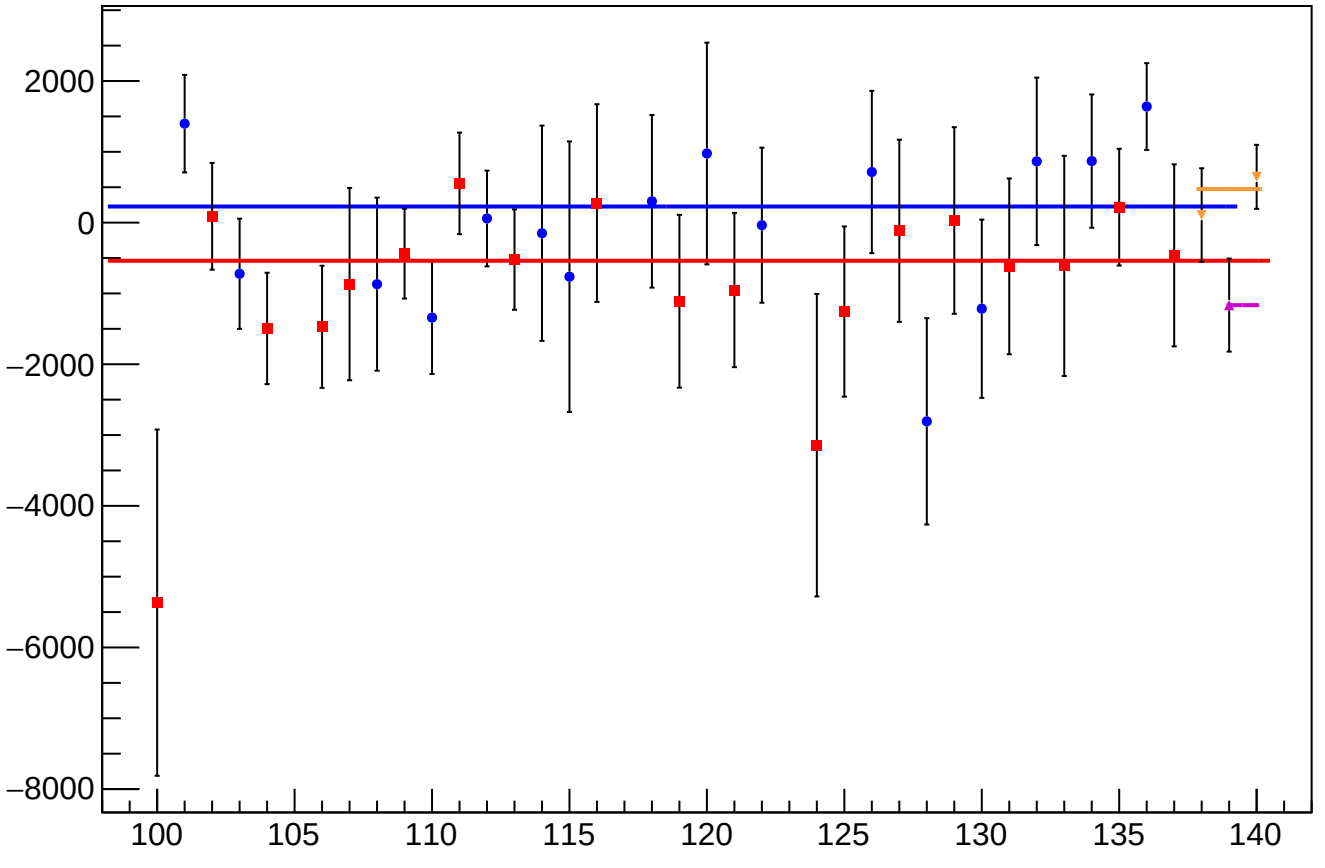
Left: 53.704+/-0.024 χ^2/NDF: 5748.1/2

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 56.238+/-0.014 χ^2/NDF:354687.8/16

Out: 57.435+/-0.014 χ^2/NDF:325443.9/20

All: 56.859+/-0.010 χ^2/NDF: 683814.1/37



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 474.565+/-373.180 χ^2/NDF:0.5/1

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -1165.060+/-656.984 χ^2/NDF:0.0/0

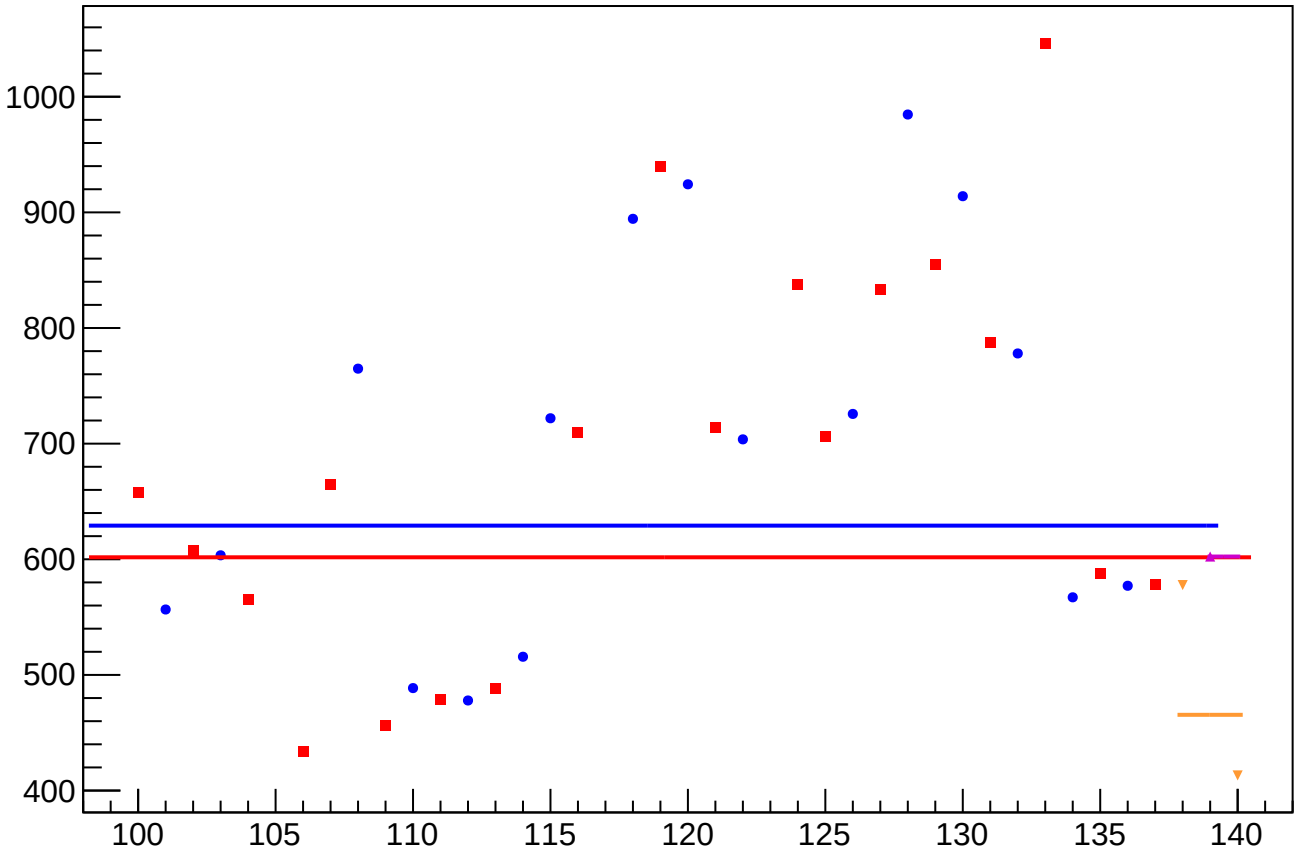
Left: 74.594+/-324.487 χ^2/NDF: 5.2/2

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 62.105+/-226.445 χ^2/NDF:25.6/16

Out: -261.529+/-195.029 χ^2/NDF:19.1/20

All: -123.702+/-147.776 χ^2/NDF: 45.9/37



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 465.499+/-0.264 χ^2/NDF:84448.3/1

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 602.375+/-0.465 χ^2/NDF:0.0/0

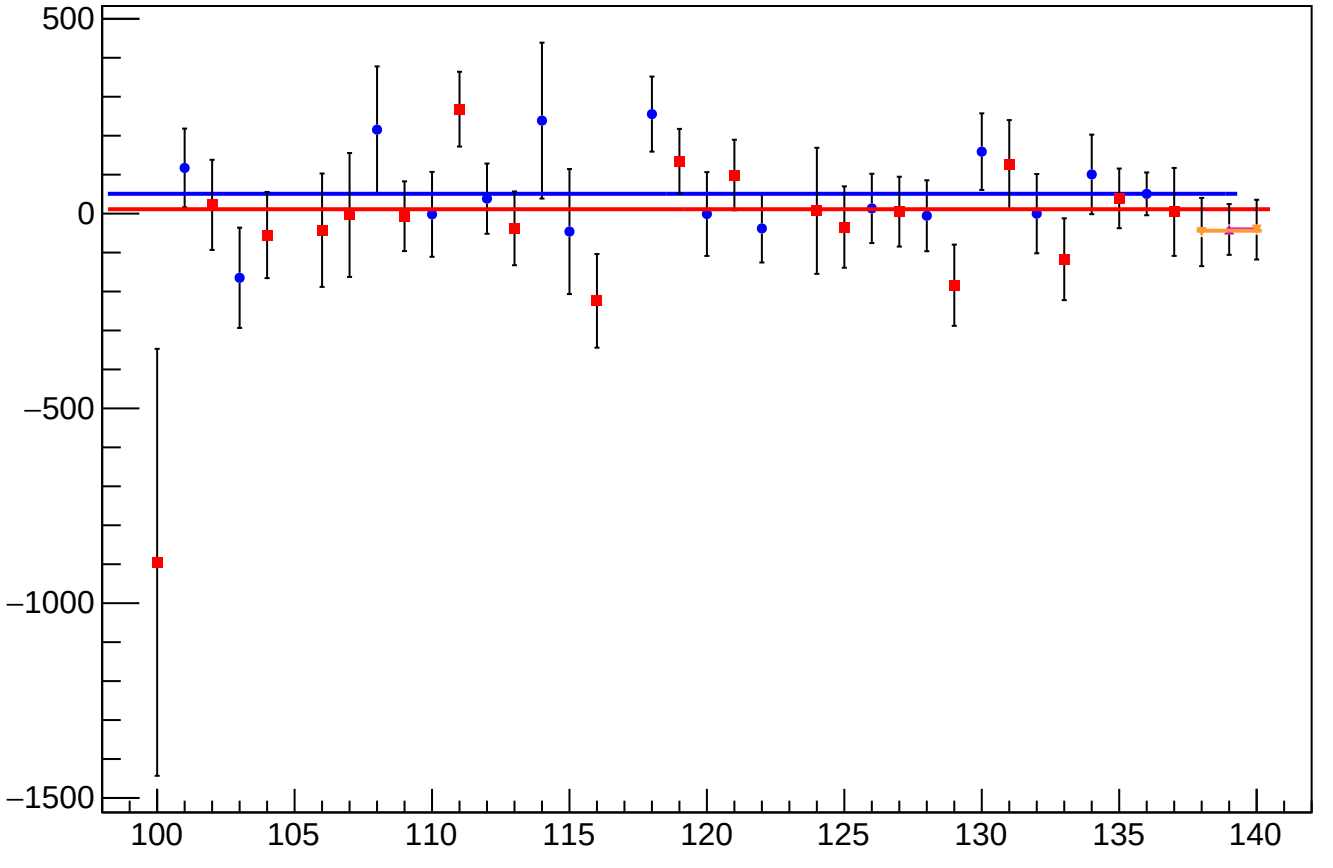
Left: 498.889+/-0.229 χ^2/NDF: 150082.1/2

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 625.925+/-0.160 χ^2/NDF:695632.4/16

Out: 564.515+/-0.138 χ^2/NDF:1152195.9/20

All: 590.668+/-0.104 χ^2/NDF: 1932277.2/37



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -43.826+/-57.676 χ^2/NDF:0.0/1

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -40.736+/-65.162 χ^2/NDF:0.0/0

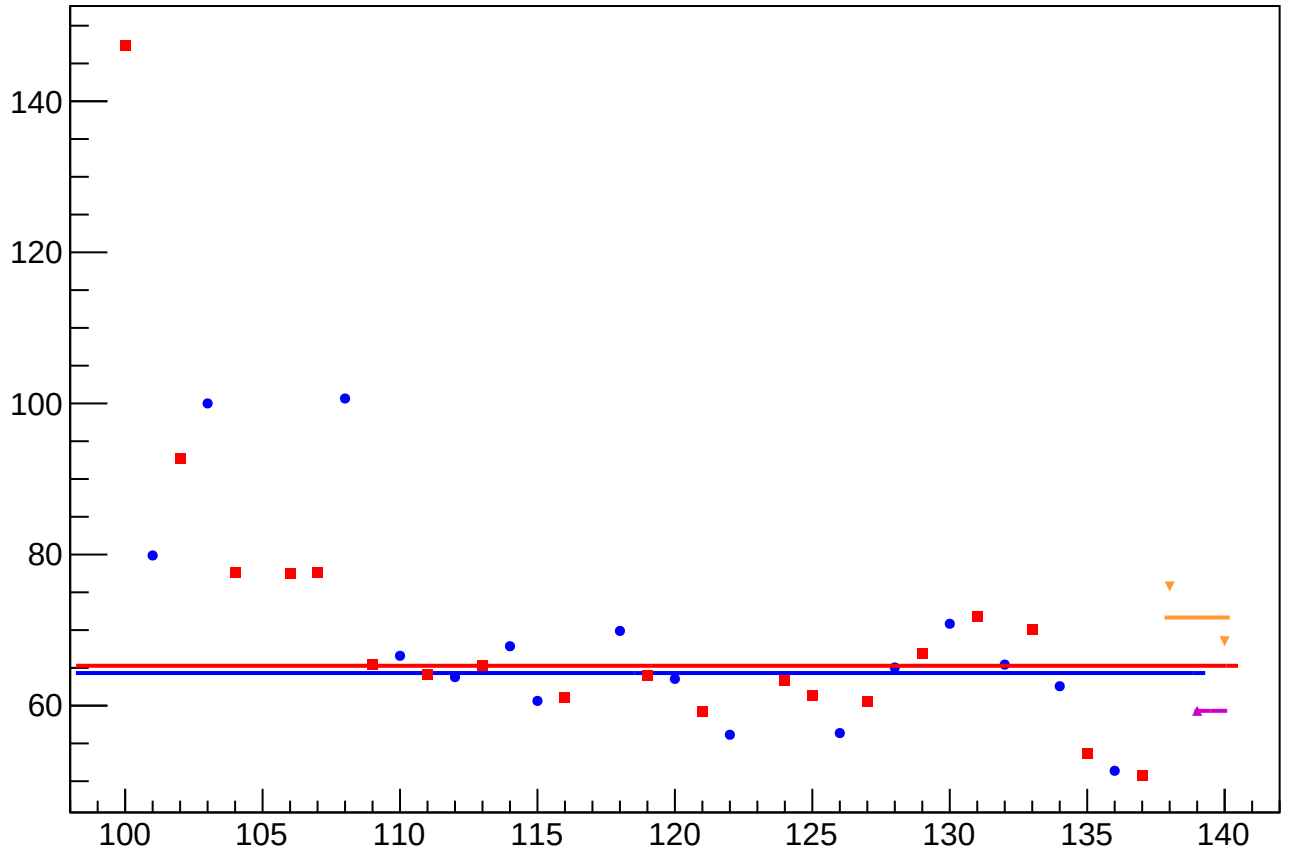
Left: -42.469+/-43.188 χ^2/NDF: 0.0/2

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 39.522+/-22.926 χ^2/NDF:15.5/16

Out: 2.942+/-22.413 χ^2/NDF:24.8/20

All: 20.818+/-16.027 χ^2/NDF: 41.6/37



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 71.668+/-0.041 χ^2/NDF:7775.3/1

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 59.315+/-0.046 χ^2/NDF:0.0/0

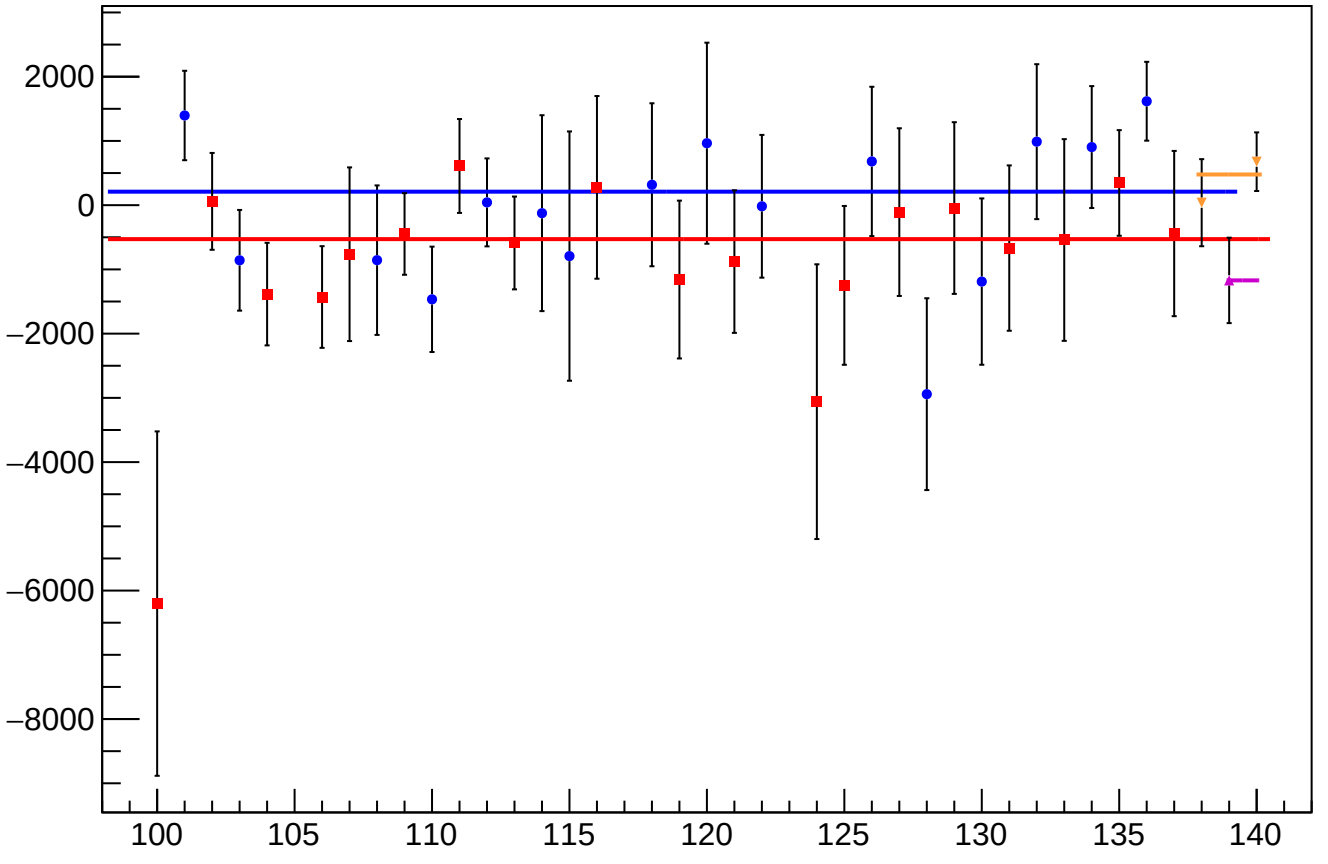
Left: 66.241+/-0.031 χ^2/NDF: 48077.5/2

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 63.698+/-0.016 χ^2/NDF:475279.3/16

Out: 66.242+/-0.016 χ^2/NDF:347755.6/20

All: 64.999+/-0.011 χ^2/NDF: 835634.4/37



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 477.704+/-378.538 χ^2/NDF:0.6/1

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -1171.059+/-664.922 χ^2/NDF:0.0/0

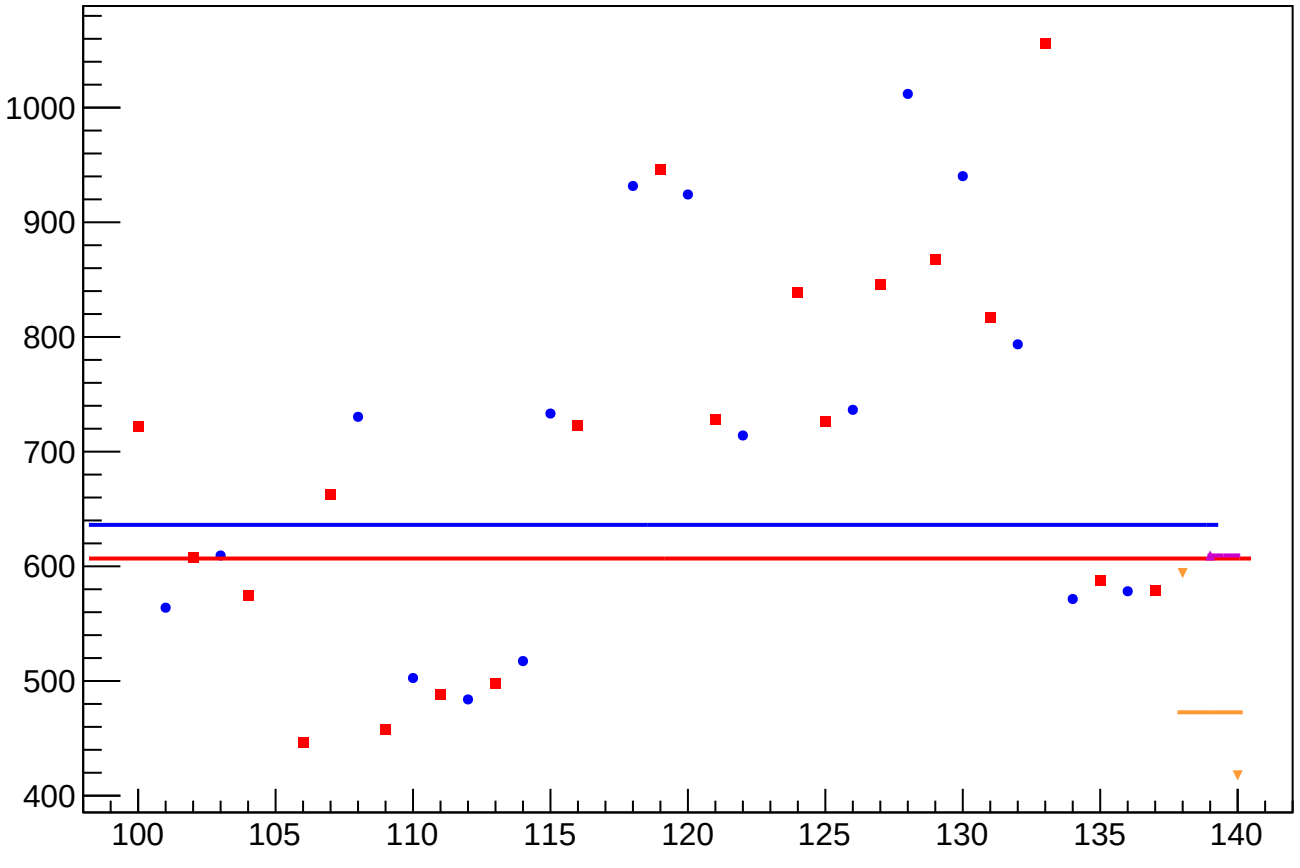
Left: 74.137+/-328.965 χ^2/NDF: 5.3/2

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 46.353+/-228.897 χ^2/NDF:26.2/16

Out: -257.874+/-196.361 χ^2/NDF:19.6/20

All: -128.901+/-149.036 χ^2/NDF: 46.8/37



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 472.692+/-0.268 χ^2/NDF:93260.0/1

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 609.495+/-0.470 χ^2/NDF:0.0/0

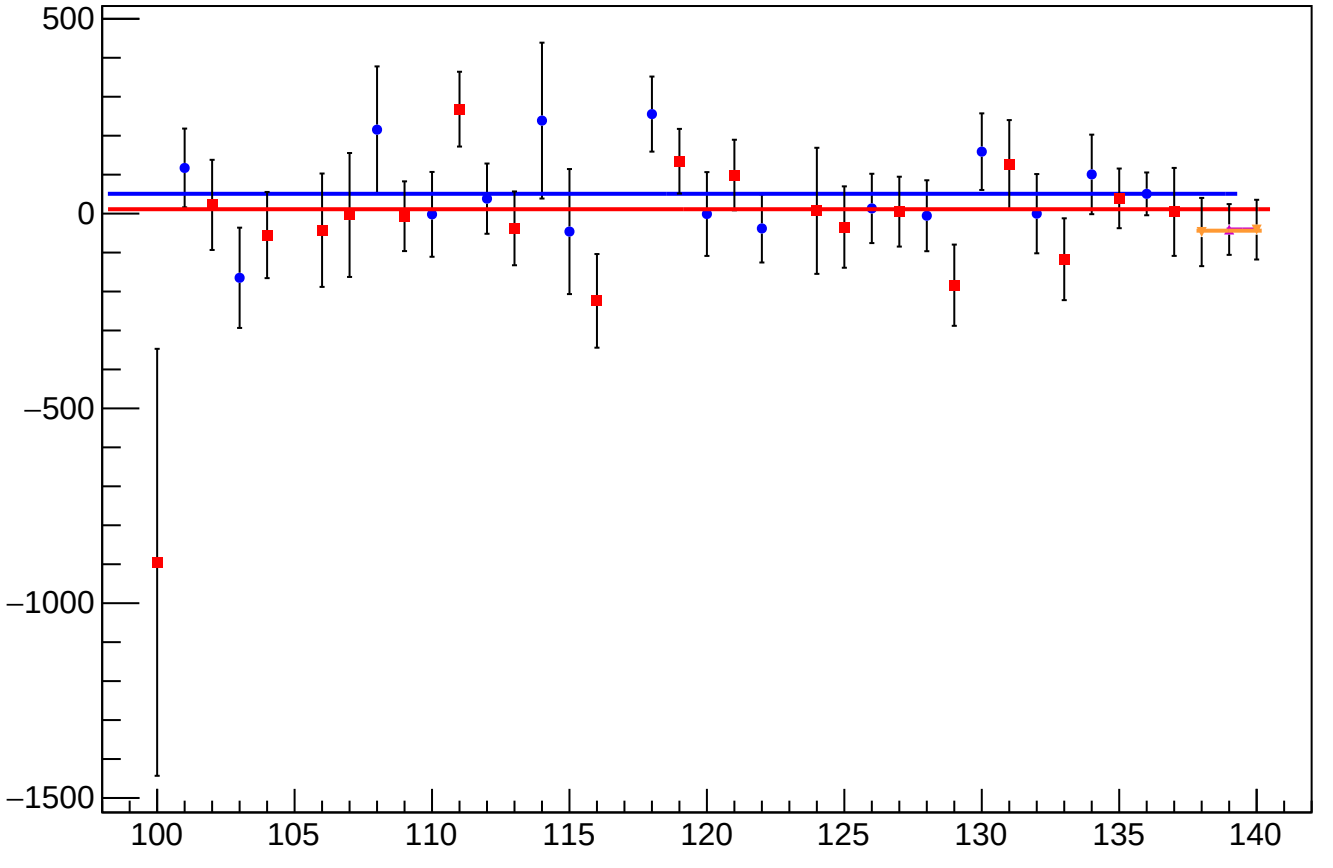
Left: 506.177+/-0.233 χ^2/NDF: 157198.1/2

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 632.986+/-0.162 χ^2/NDF:708069.7/16

Out: 570.716+/-0.139 χ^2/NDF:1170626.5/20

All: 597.114+/-0.105 χ^2/NDF: 1963964.5/37



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -43.828+/-57.676 χ^2/NDF:0.0/1

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -40.732+/-65.162 χ^2/NDF:0.0/0

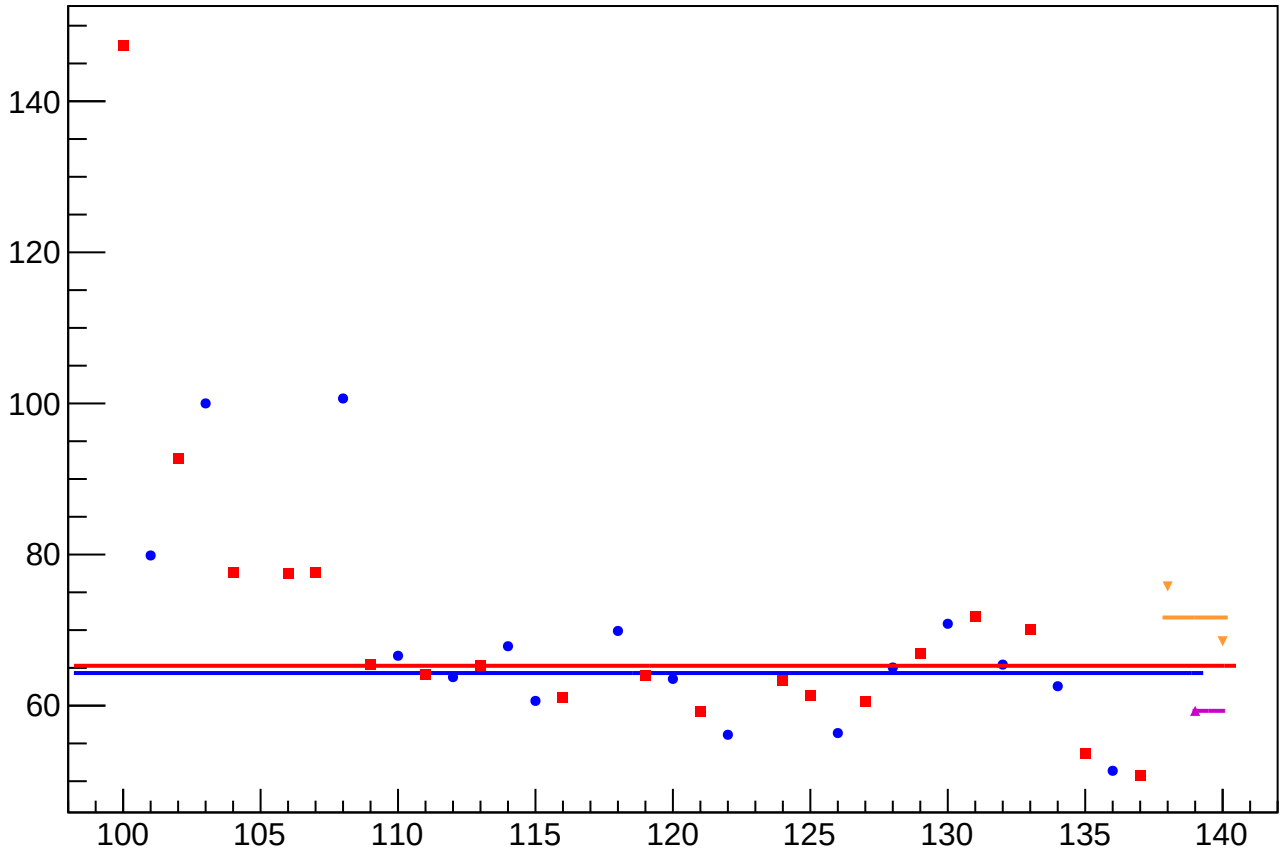
Left: -42.468+/-43.188 χ^2/NDF: 0.0/2

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 39.521+/-22.926 χ^2/NDF:15.5/16

Out: 2.942+/-22.413 χ^2/NDF:24.8/20

All: 20.817+/-16.027 χ^2/NDF: 41.6/37



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 71.667+/-0.041 χ^2/NDF:7774.0/1

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 59.314+/-0.046 χ^2/NDF:0.0/0

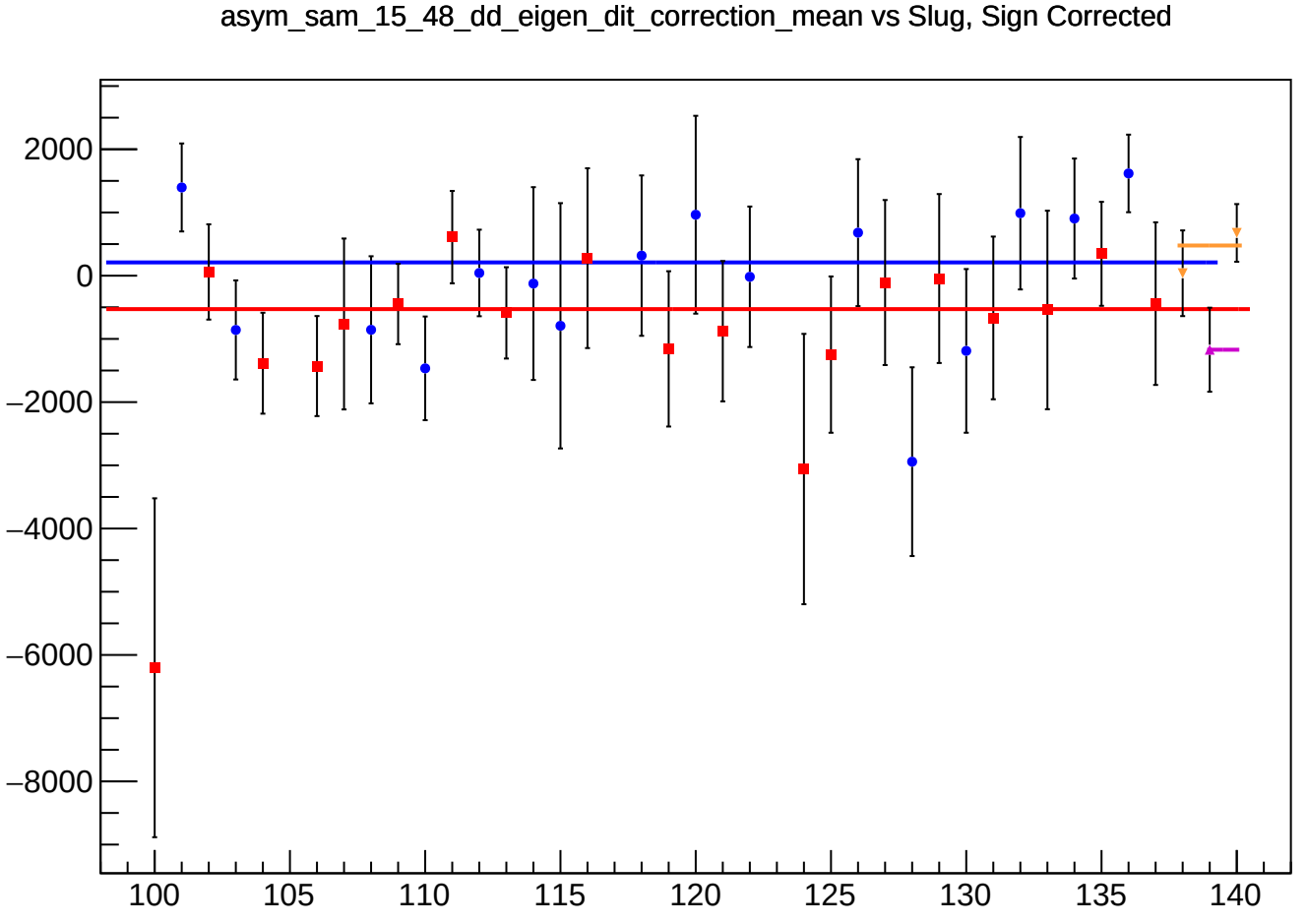
Left: 66.241+/-0.031 χ^2/NDF: 48078.0/2

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 63.698+/-0.016 χ^2/NDF:475279.1/16

Out: 66.242+/-0.016 χ^2/NDF:347757.5/20

All: 64.999+/-0.011 χ^2/NDF: 835635.9/37



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 477.703+/-378.537 χ^2/NDF:0.6/1

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -1171.059+/-664.921 χ^2/NDF:0.0/0

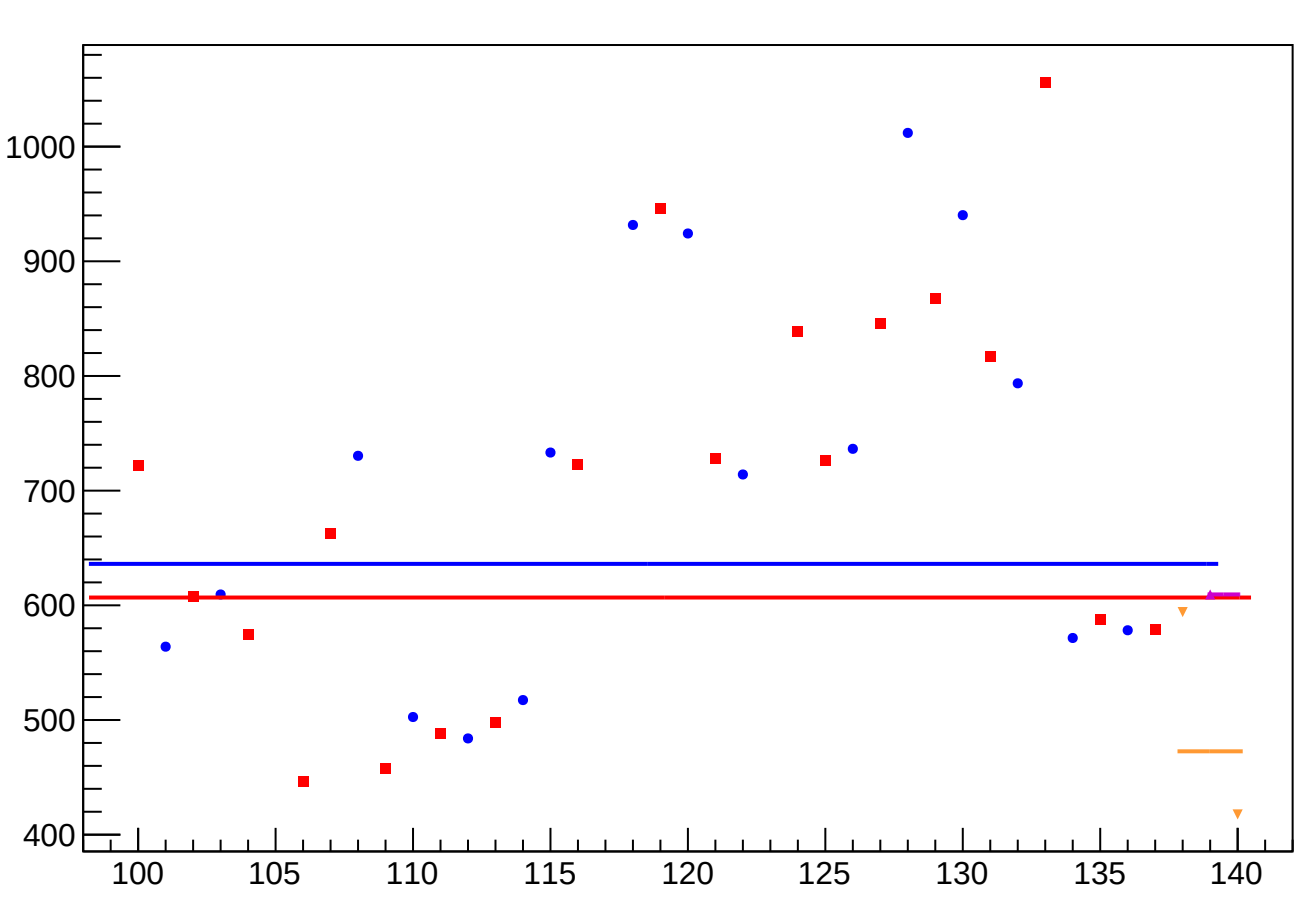
Left: 74.137+/-328.964 χ^2/NDF: 5.3/2

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 46.352+/-228.897 χ^2/NDF:26.2/16

Out: -257.872+/-196.360 χ^2/NDF:19.6/20

All: -128.901+/-149.035 χ^2/NDF: 46.8/37



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 472.690+/-0.268 χ^2/NDF:93259.5/1

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 609.494+/-0.470 χ^2/NDF:0.0/0

Left: 506.175+/-0.233 χ^2/NDF: 157198.6/2

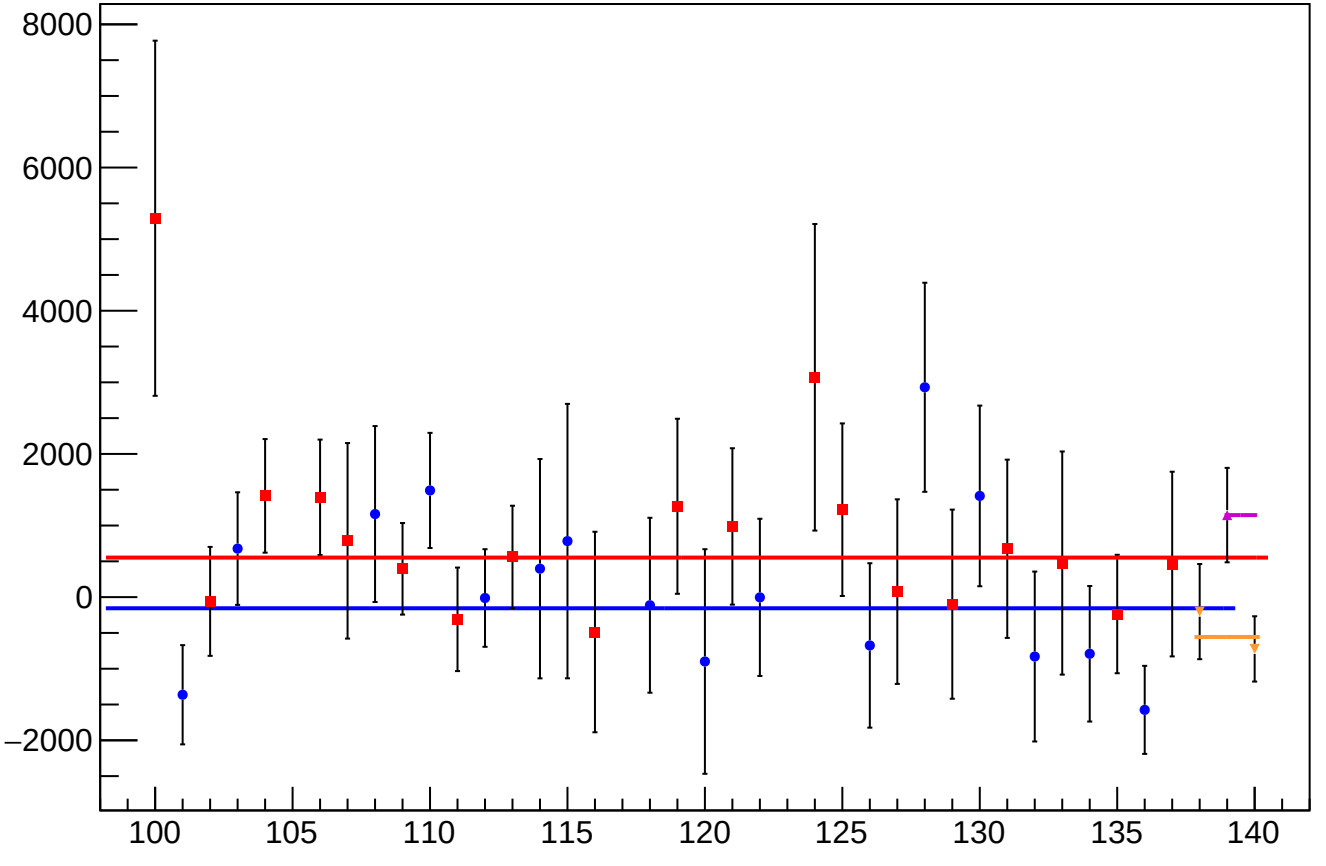
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 632.985+/-0.162 χ^2/NDF:708073.2/16

Out: 570.714+/-0.139 χ^2/NDF:1170632.8/20

All: 597.113+/-0.105 χ^2/NDF: 1963975.6/37

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -556.635+/-376.030 χ^2/NDF:0.4/1

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 1145.751+/-659.520 χ^2/NDF:0.0/0

Left: -138.991+/-326.664 χ^2/NDF: 5.4/2

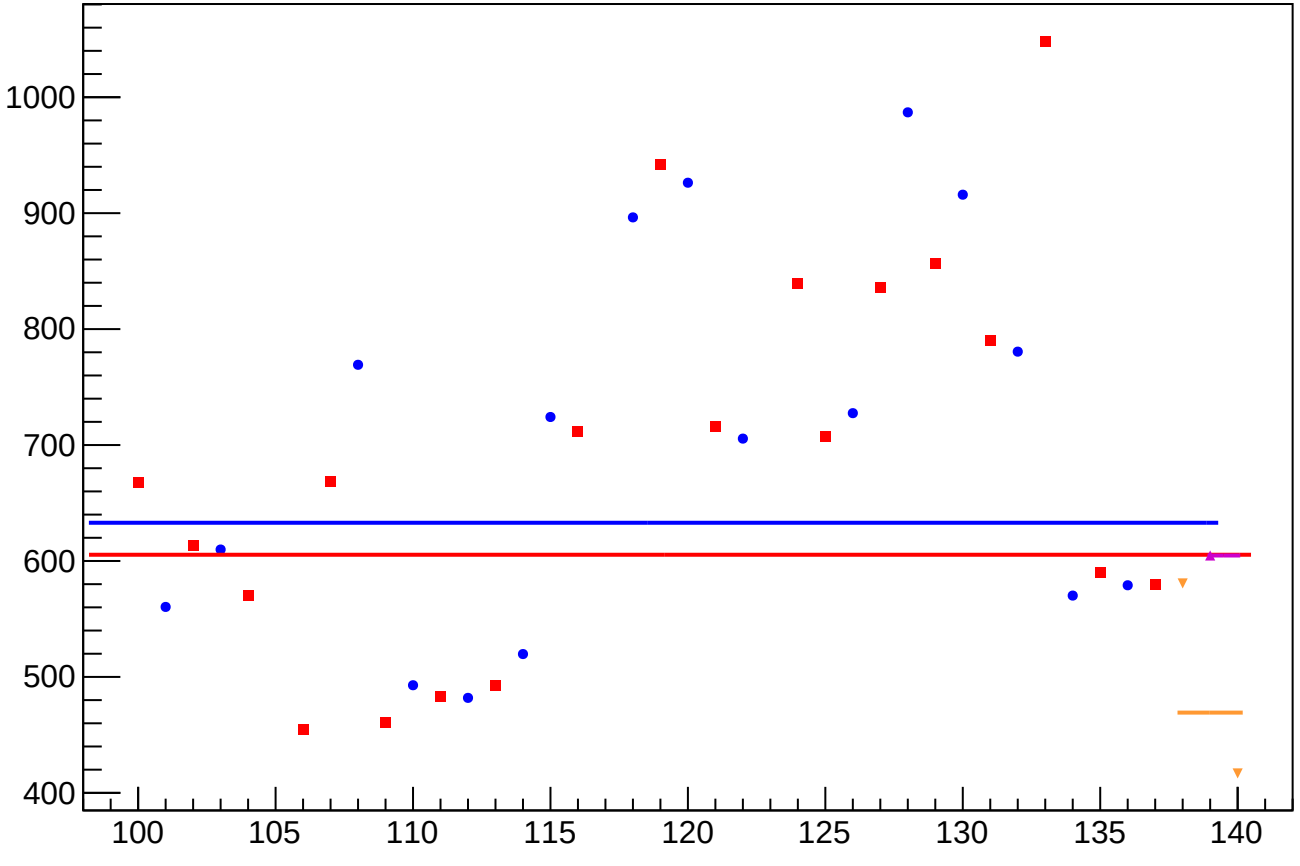
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: -0.552+/-227.681 χ^2/NDF:25.9/16

Out: 252.411+/-195.517 χ^2/NDF:18.9/20

All: 145.045+/-148.331 χ^2/NDF: 45.5/37

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 469.223+/-0.266 χ^2/NDF:82675.2/1

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 604.725+/-0.466 χ^2/NDF:0.0/0

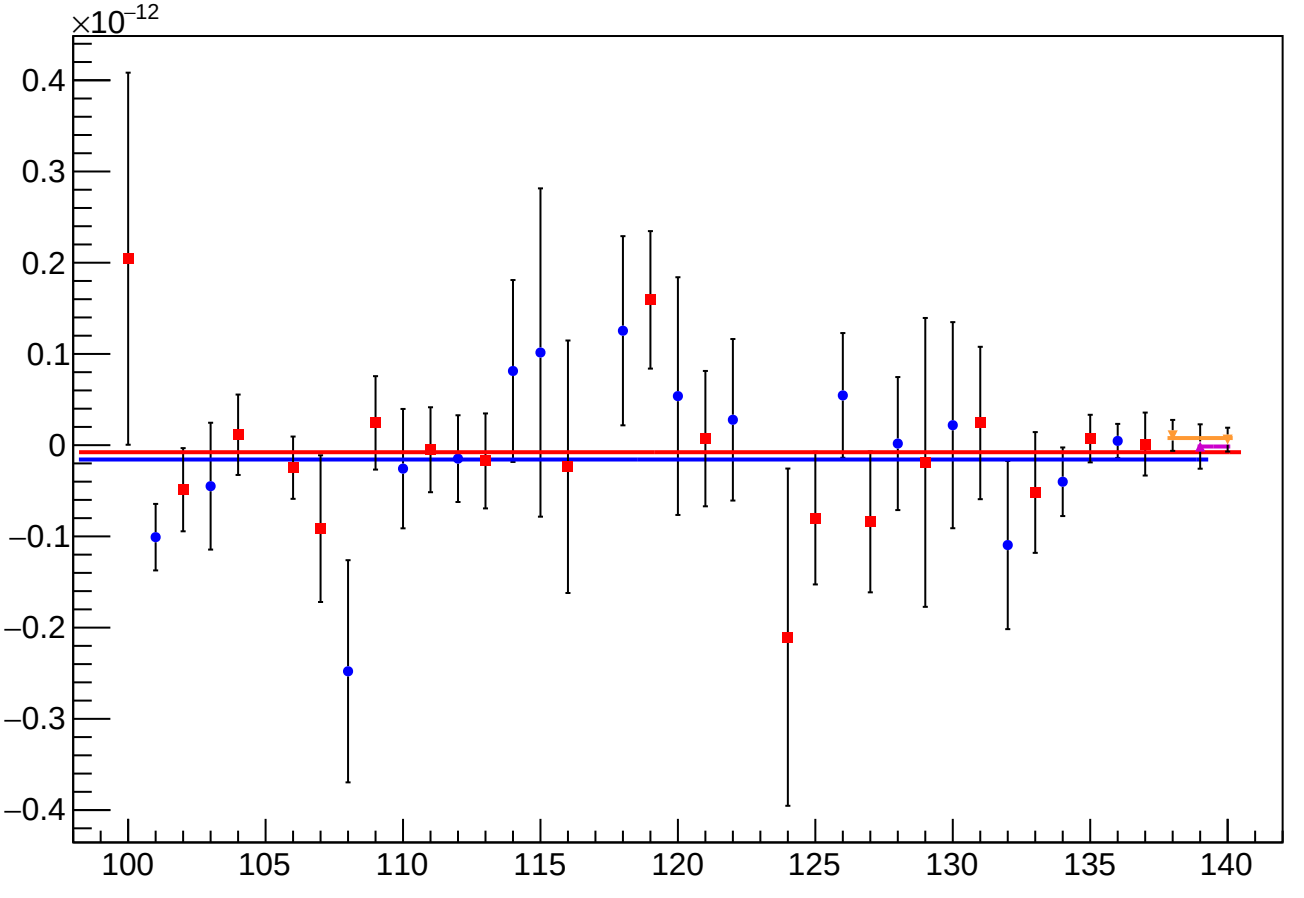
Left: 502.466+/-0.231 χ^2/NDF: 146387.6/2

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 629.601+/-0.161 χ^2/NDF:684368.6/16

Out: 568.565+/-0.138 χ^2/NDF:1127978.0/20

All: 594.471+/-0.105 χ^2/NDF: 1895070.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

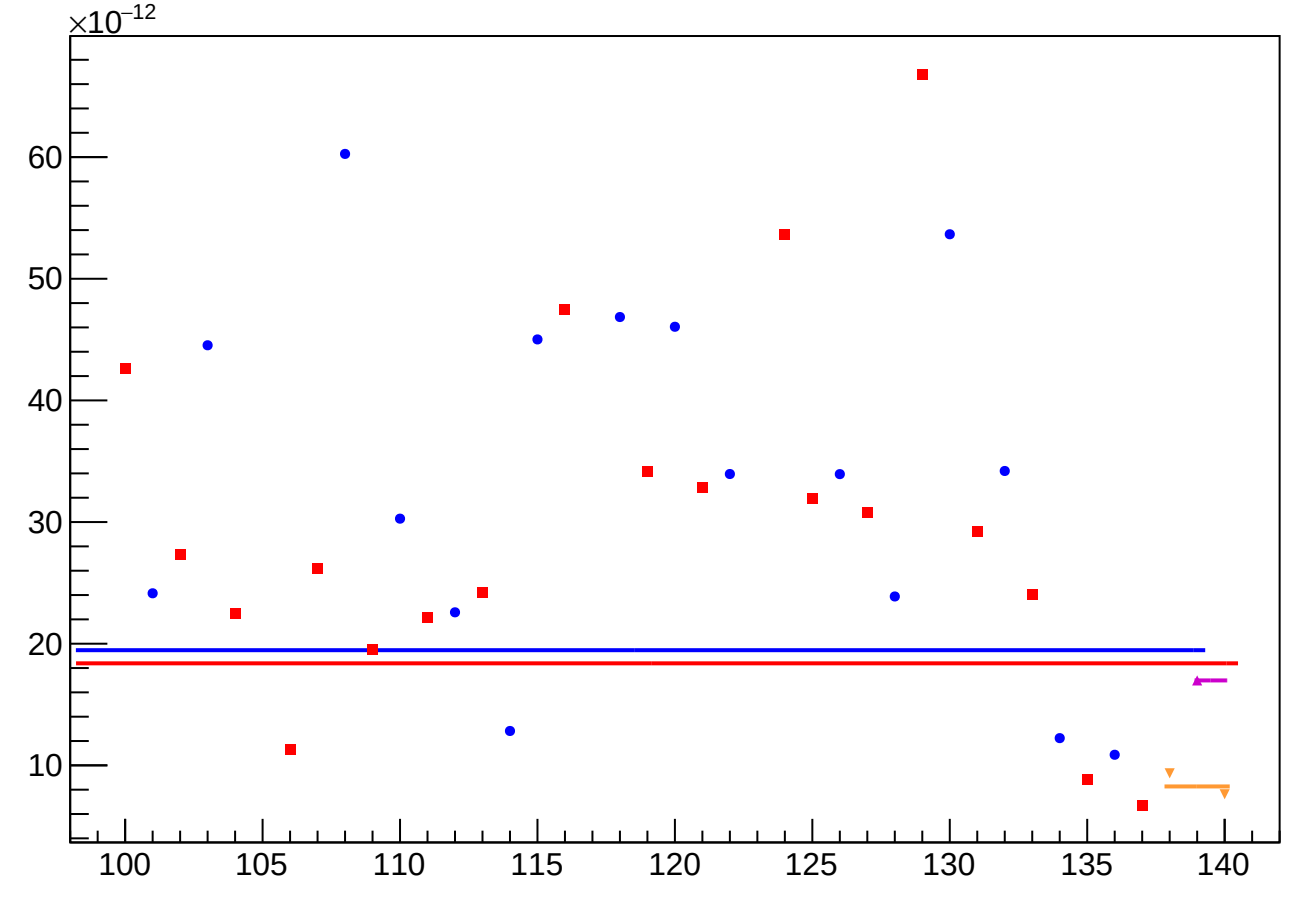
Left: 0.000+/-0.000 χ^2/NDF: 0.2/2

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: -0.000+/-0.000 χ^2/NDF:17.2/16

Out: 0.000+/-0.000 χ^2/NDF:14.0/20

All: -0.000+/-0.000 χ^2/NDF: 32.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12925.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 230054.4/2

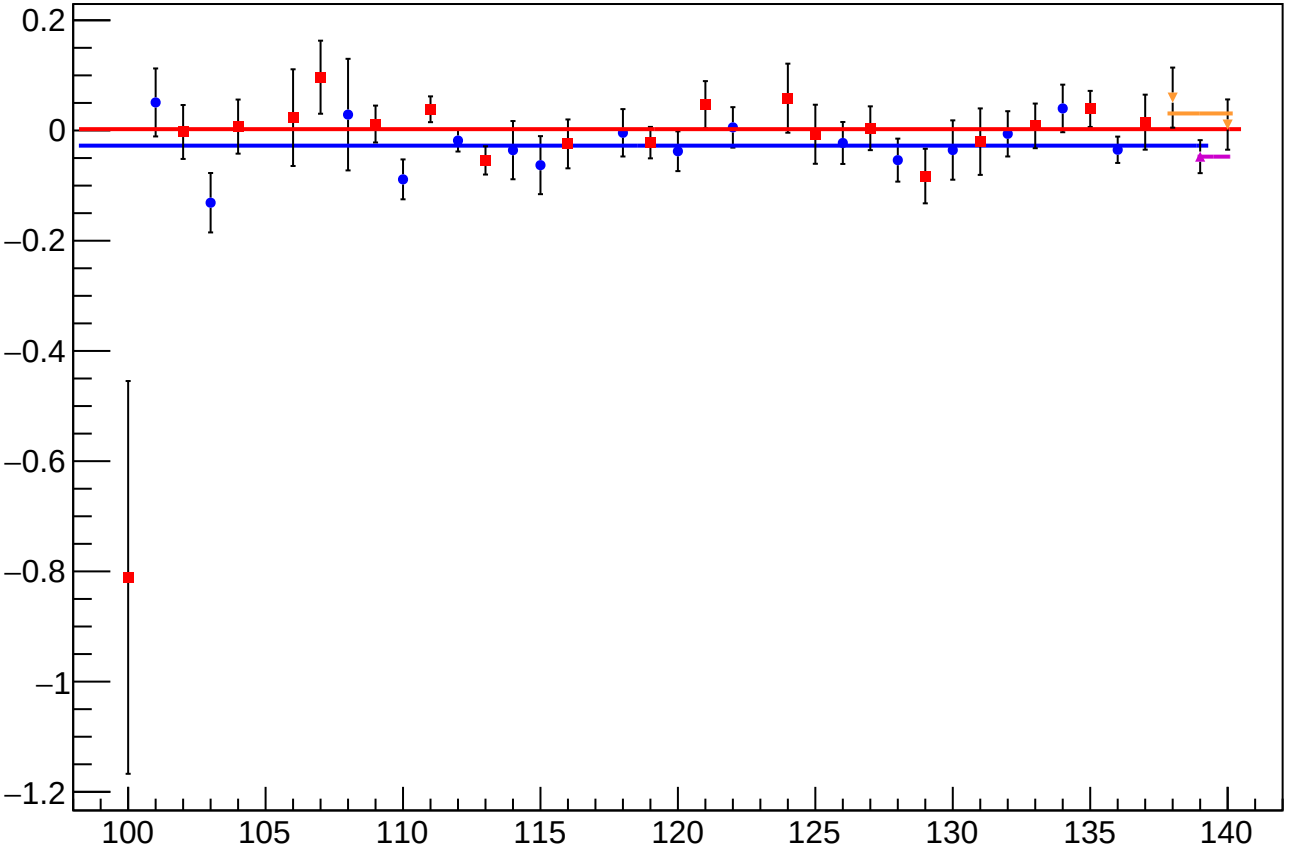
Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:1752017.2/16

Out: 0.000+/-0.000 χ^2/NDF:2260306.9/20

All: 0.000+/-0.000 χ^2/NDF: 4451707.7/37

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.031+/-0.035 χ^2/NDF:0.5/1

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.047+/-0.030 χ^2/NDF:0.0/0

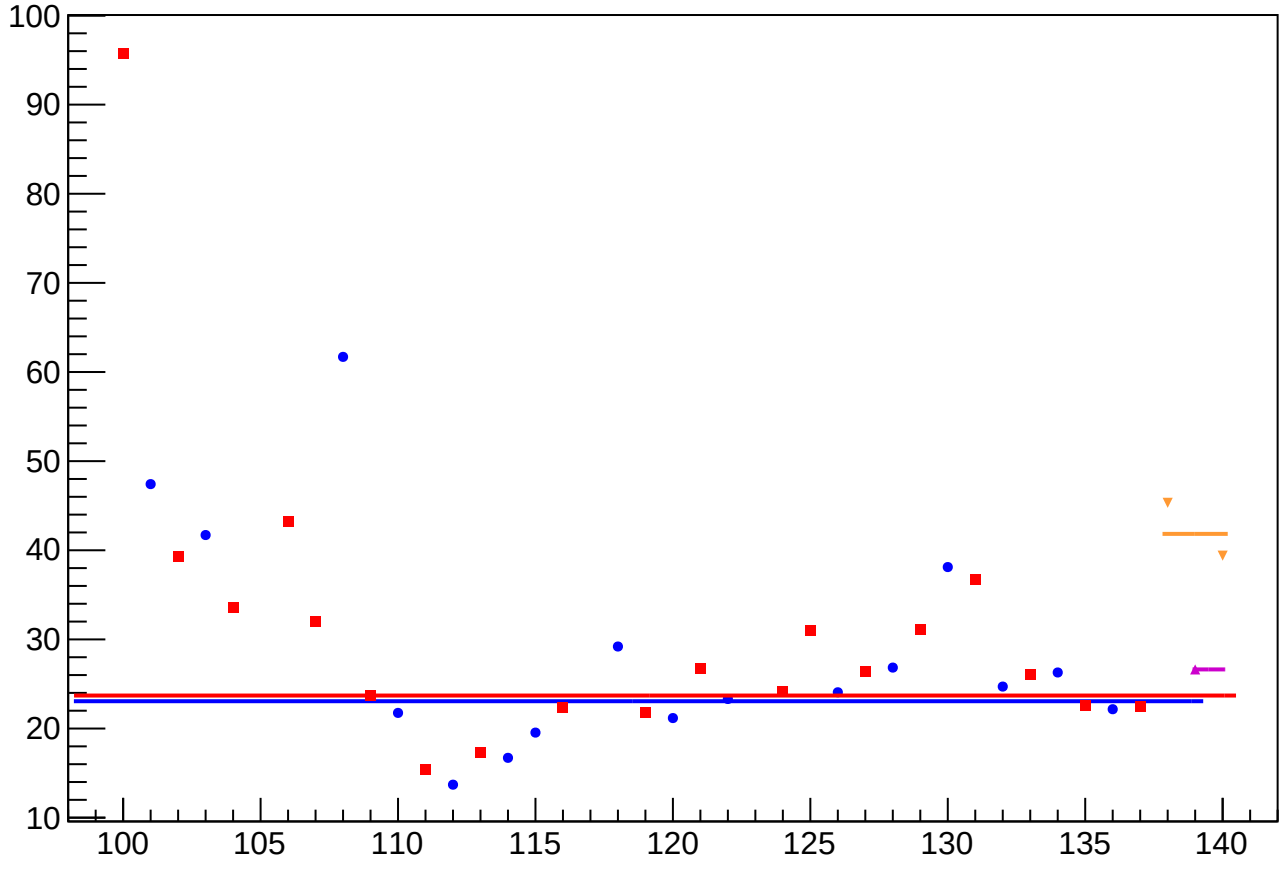
Left: -0.014+/-0.023 χ^2/NDF: 3.4/2

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.029+/-0.009 χ^2/NDF:14.1/16

Out: 0.004+/-0.009 χ^2/NDF:23.2/20

All: -0.013+/-0.006 χ^2/NDF: 44.3/37



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 41.839+/-0.025 χ^2/NDF:13921.3/1

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.632+/-0.021 χ^2/NDF:0.0/0

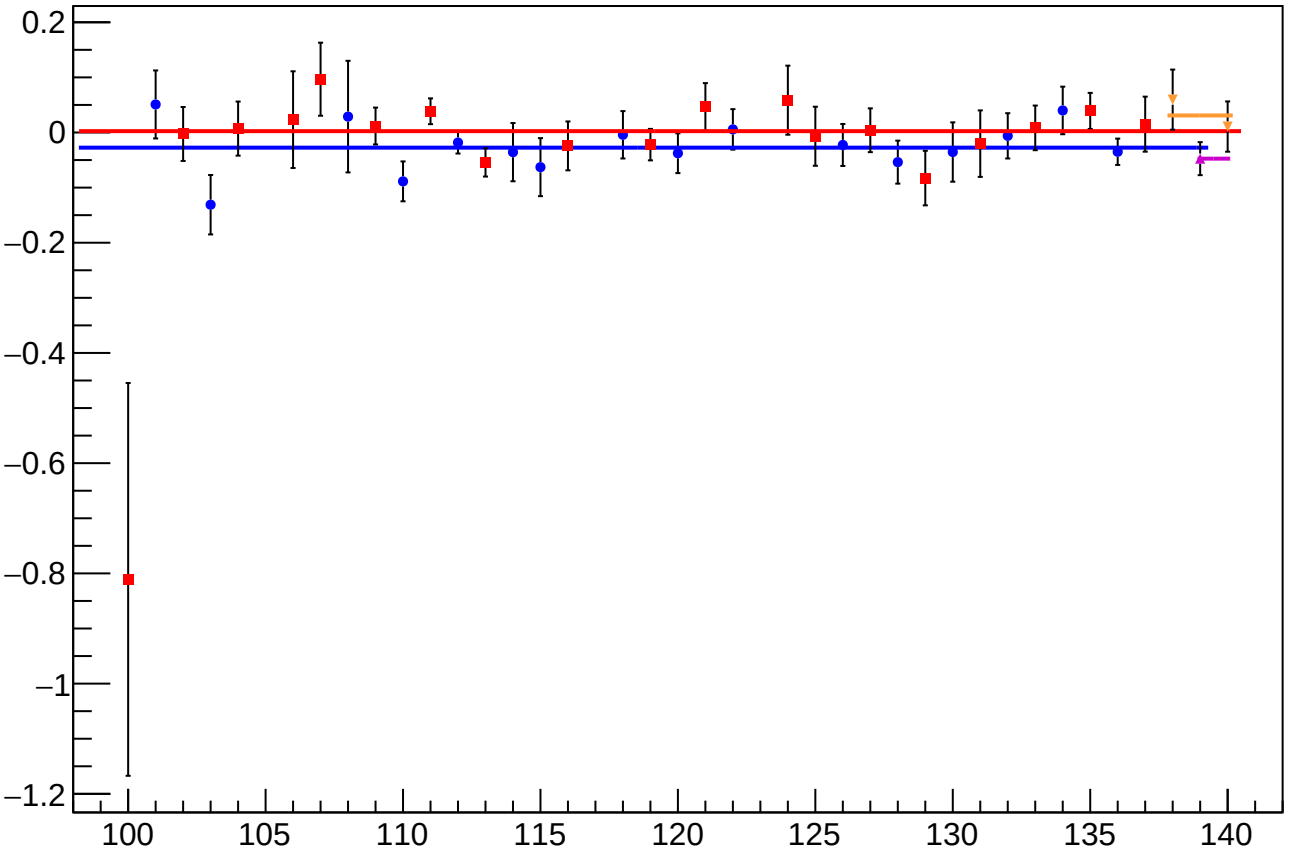
Left: 33.064+/-0.016 χ^2/NDF: 232028.1/2

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 23.385+/-0.006 χ^2/NDF:1590306.2/16

Out: 24.898+/-0.006 χ^2/NDF:1604607.1/20

All: 24.140+/-0.004 χ^2/NDF: 3223331.9/37



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.031+/-0.035 χ^2/NDF:0.5/1

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.047+/-0.030 χ^2/NDF:0.0/0

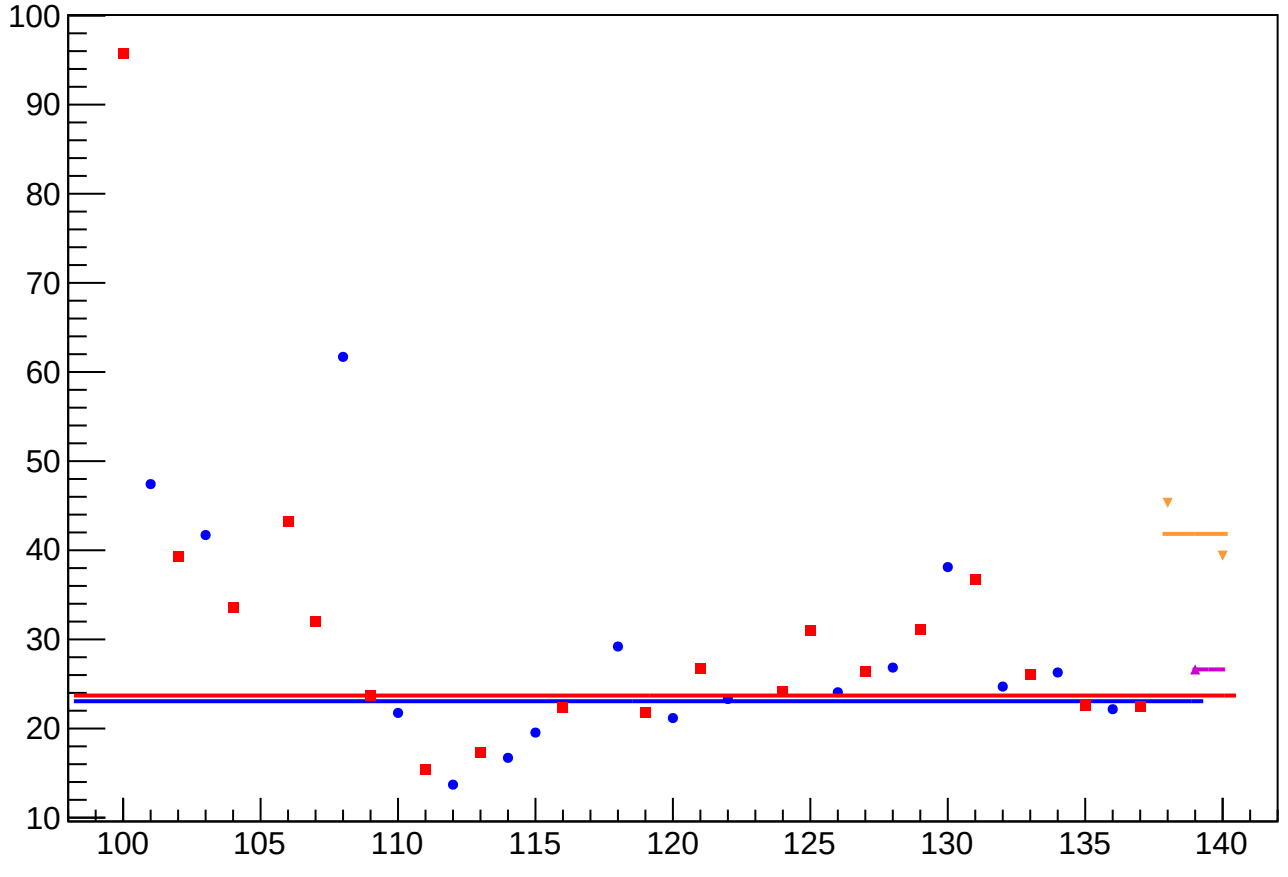
Left: -0.014+/-0.023 χ^2/NDF: 3.4/2

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.029+/-0.009 χ^2/NDF:14.1/16

Out: 0.004+/-0.009 χ^2/NDF:23.2/20

All: -0.013+/-0.006 χ^2/NDF: 44.3/37



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 41.839+/-0.025 χ^2/NDF:13921.3/1

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.632+/-0.021 χ^2/NDF:0.0/0

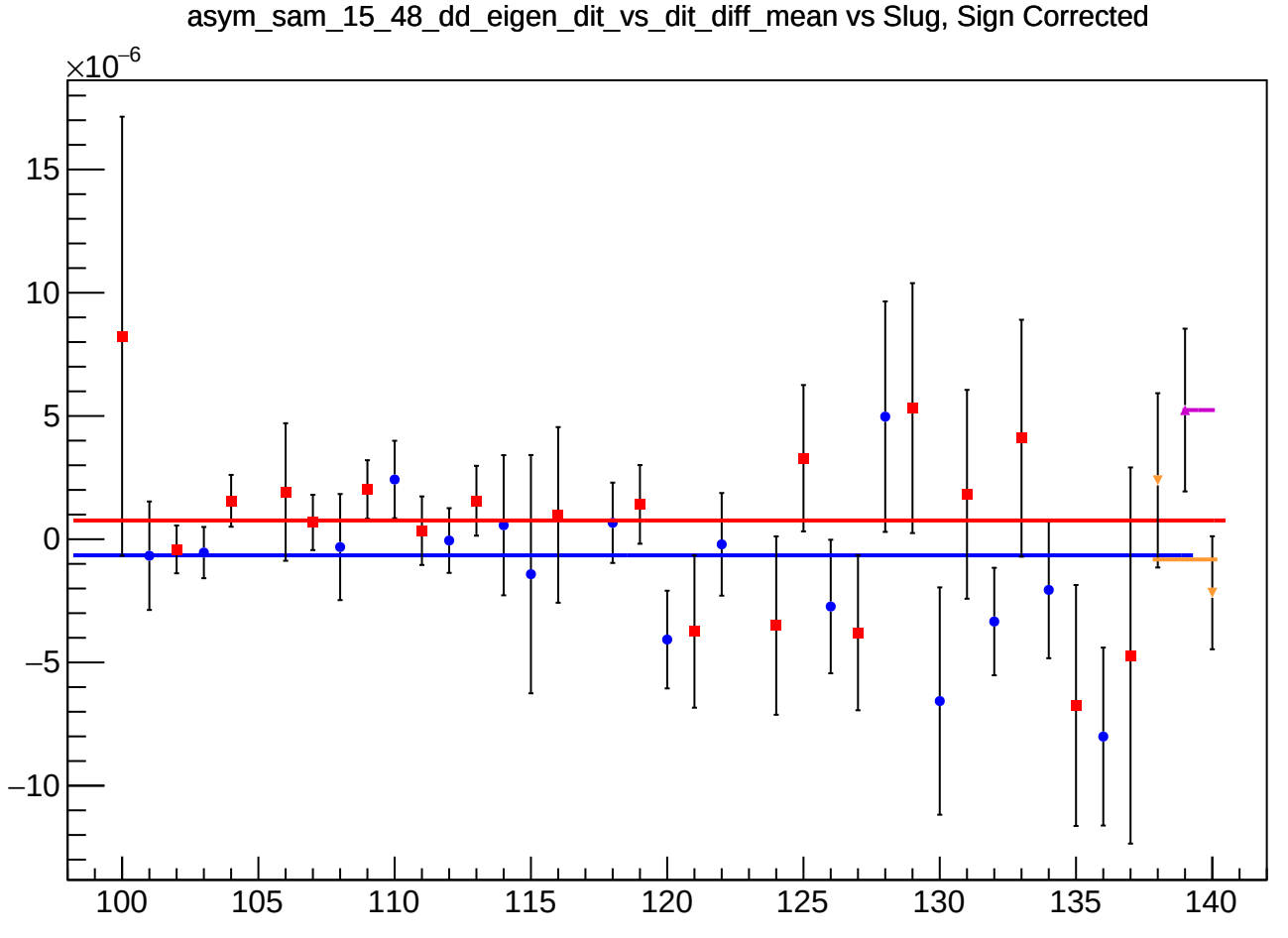
Left: 33.064+/-0.016 χ^2/NDF: 232028.1/2

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 23.385+/-0.006 χ^2/NDF:1590306.2/16

Out: 24.898+/-0.006 χ^2/NDF:1604607.1/20

All: 24.140+/-0.004 χ^2/NDF: 3223331.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

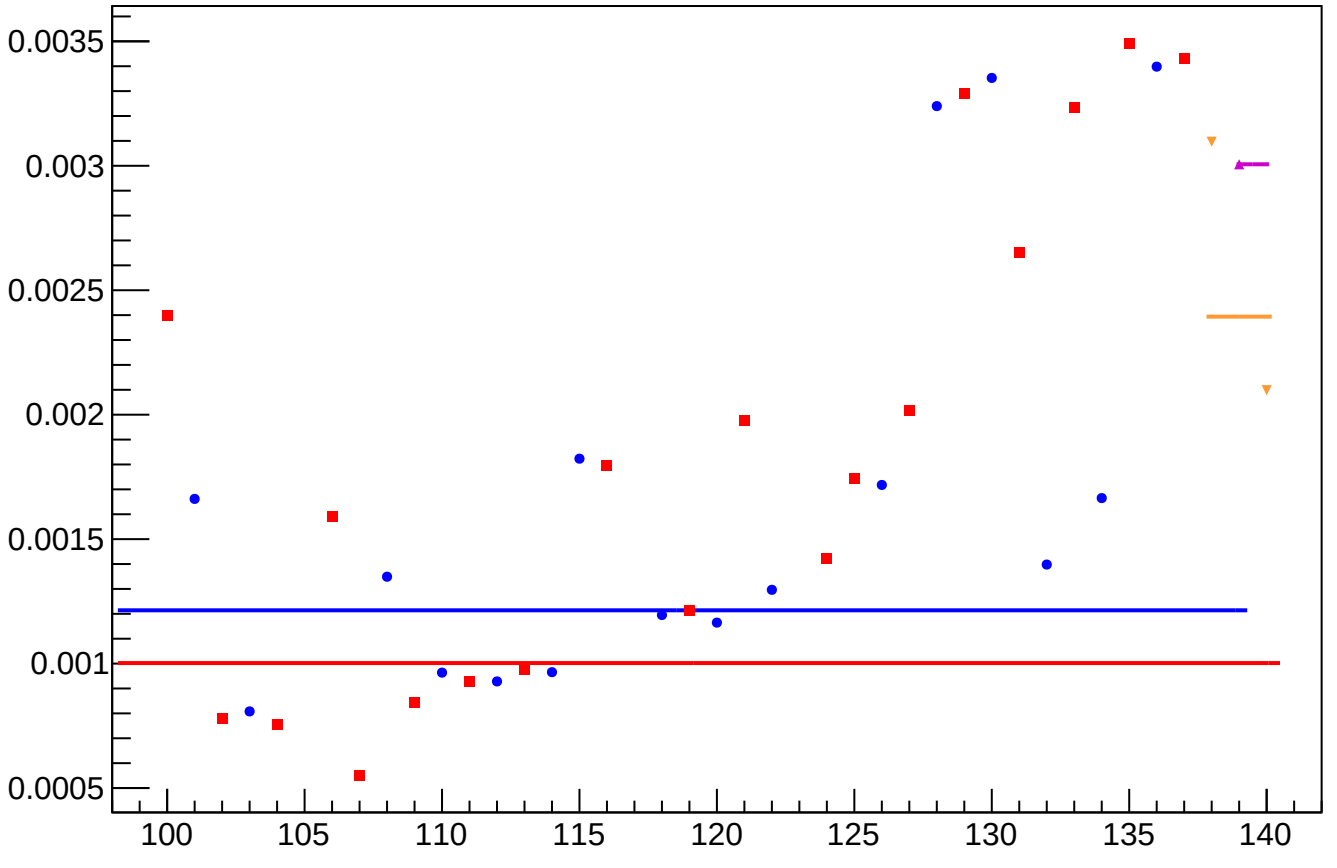
Left: 0.000+/-0.000 χ^2/NDF: 3.7/2

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:20.7/16

Out: 0.000+/-0.000 χ^2/NDF:17.0/20

All: 0.000+/-0.000 χ^2/NDF: 41.2/37



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:112242.4/1

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 163549.7/2

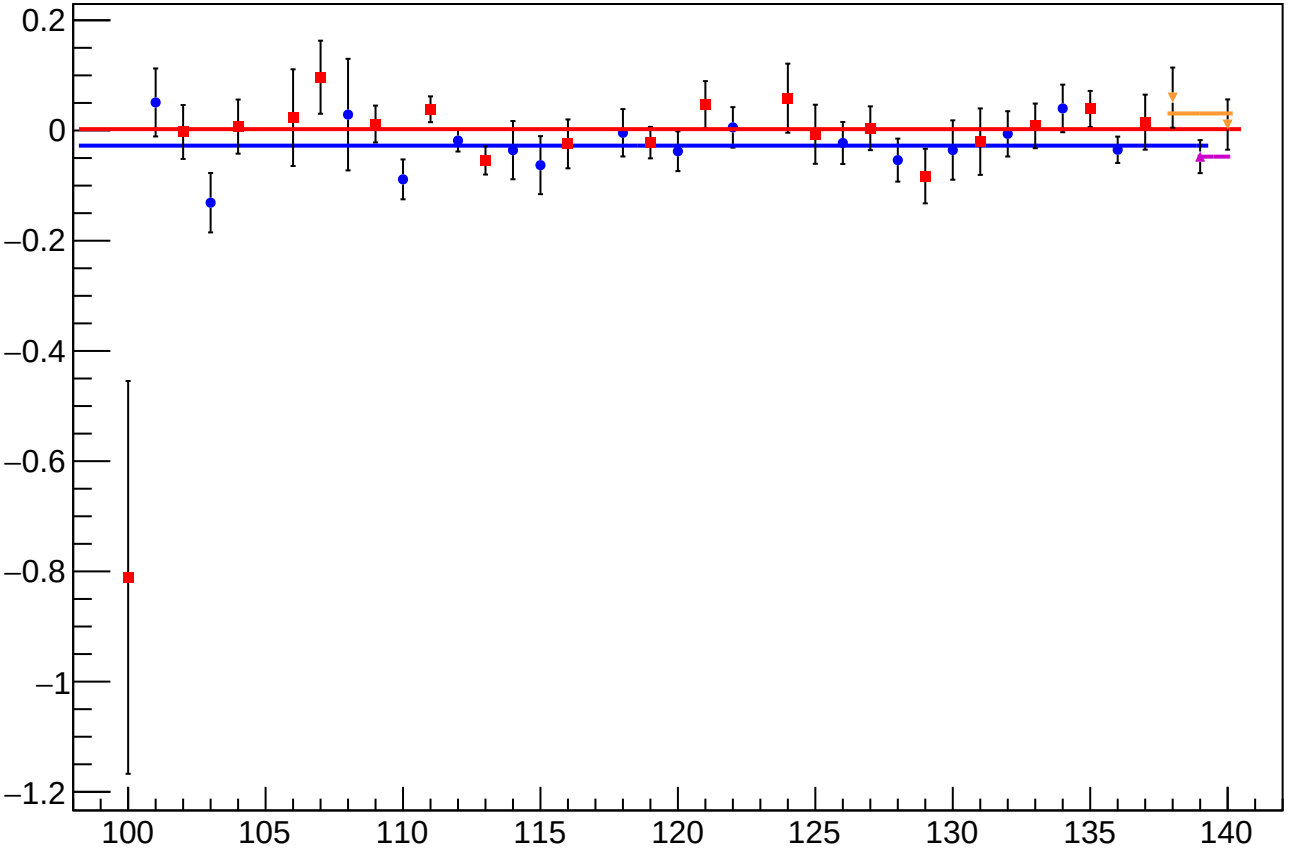
Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:2843394.3/16

Out: 0.001+/-0.000 χ^2/NDF:4388777.5/20

All: 0.001+/-0.000 χ^2/NDF: 7405639.4/37

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.031+/-0.035 χ^2/NDF:0.5/1

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.047+/-0.030 χ^2/NDF:0.0/0

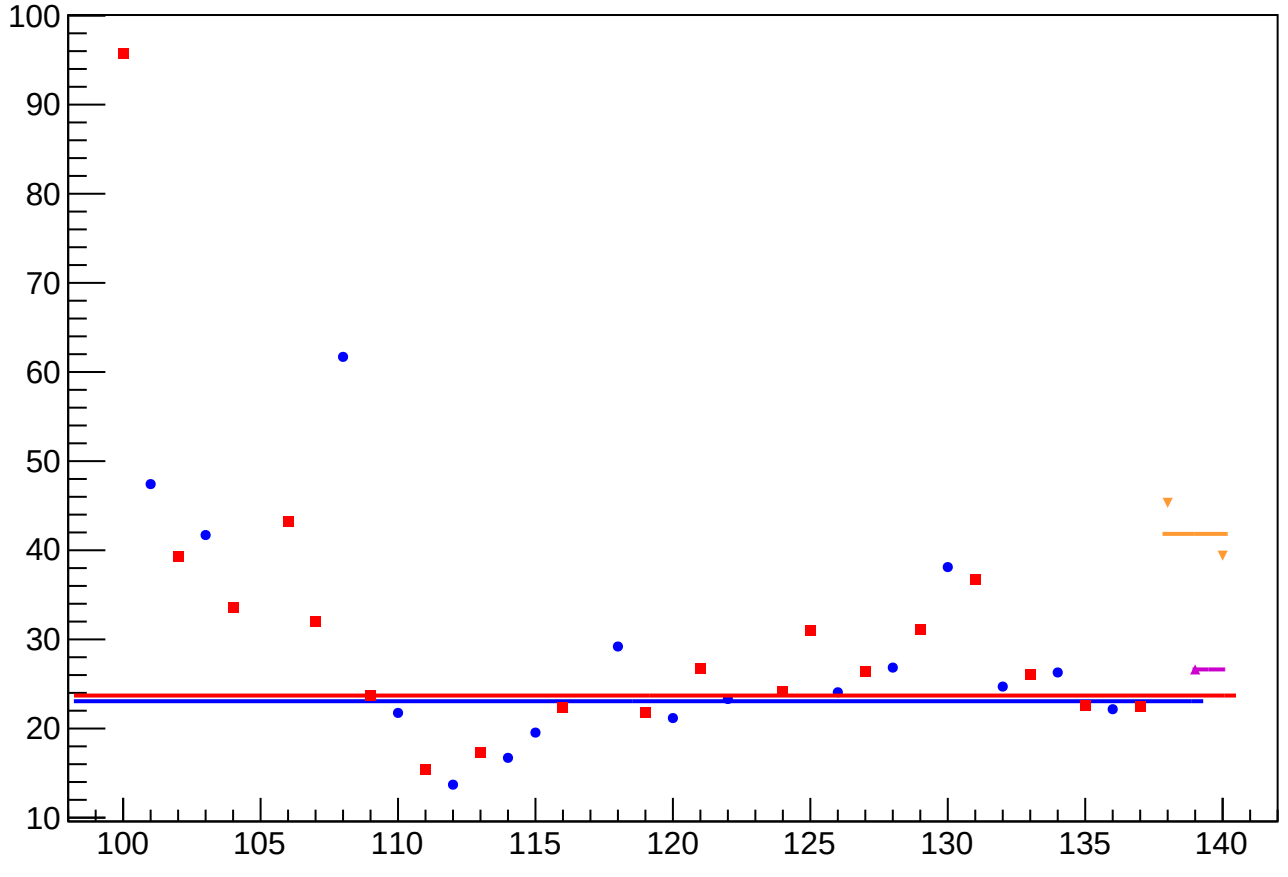
Left: -0.014+/-0.023 χ^2/NDF: 3.4/2

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.029+/-0.009 χ^2/NDF:14.1/16

Out: 0.004+/-0.009 χ^2/NDF:23.2/20

All: -0.013+/-0.006 χ^2/NDF: 44.3/37



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 41.839+/-0.025 χ^2/NDF:13915.3/1

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.631+/-0.021 χ^2/NDF:0.0/0

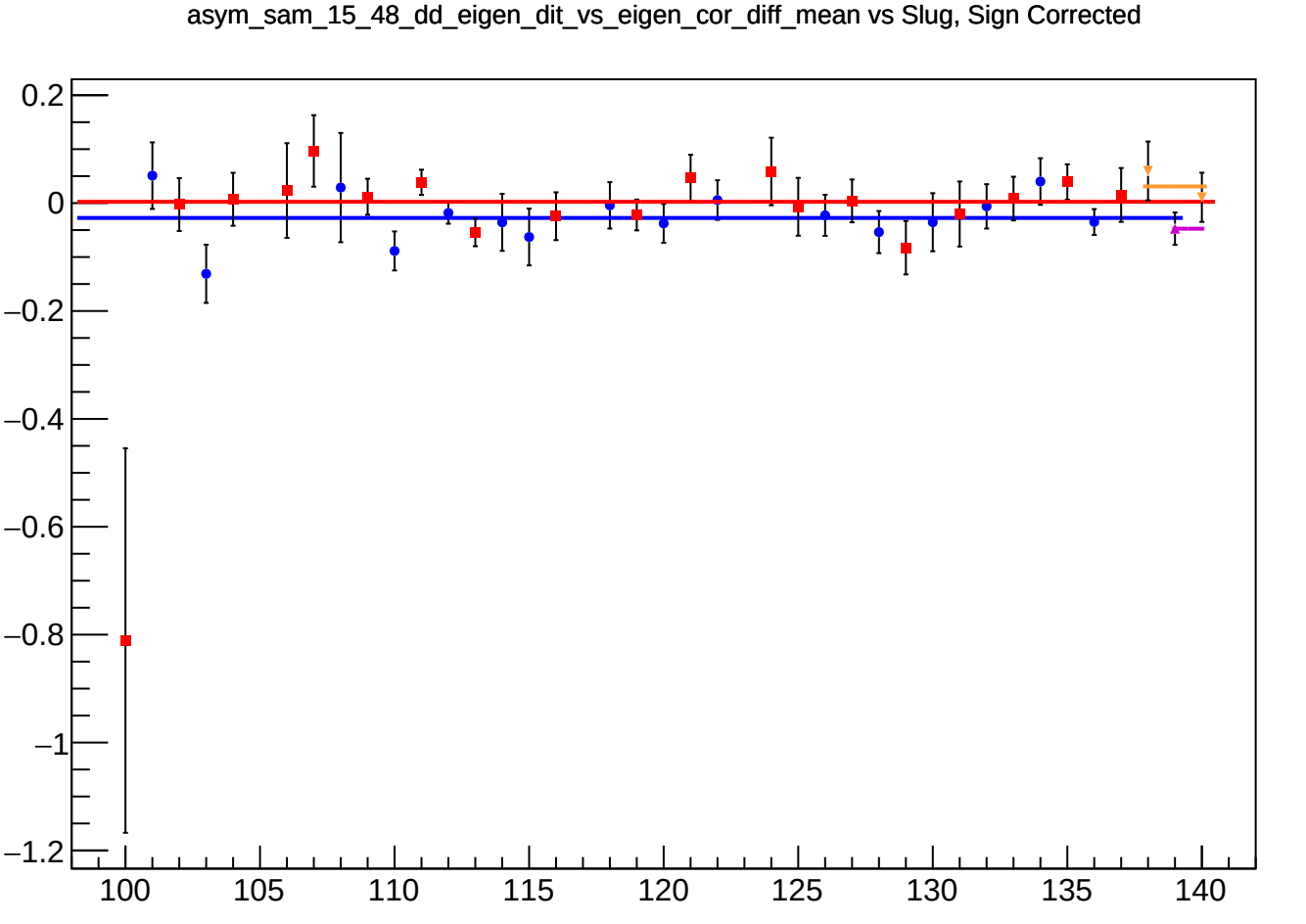
Left: 33.063+/-0.016 χ^2/NDF: 232046.6/2

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 23.385+/-0.006 χ^2/NDF:1590311.9/16

Out: 24.897+/-0.006 χ^2/NDF:1604640.7/20

All: 24.140+/-0.004 χ^2/NDF: 3223371.7/37



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.031+/-0.035 χ^2/NDF:0.5/1

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.047+/-0.030 χ^2/NDF:0.0/0

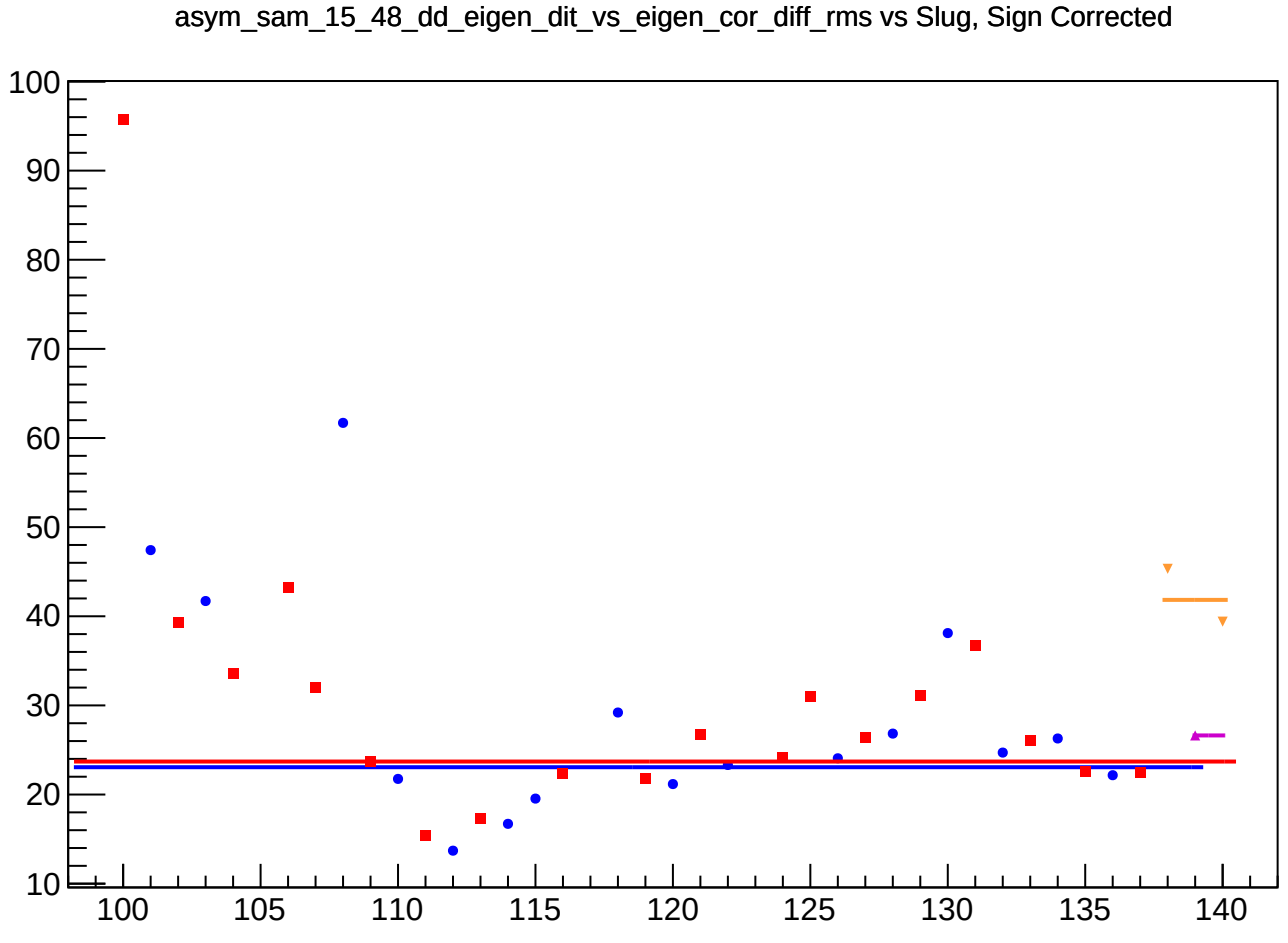
Left: -0.014+/-0.023 χ^2/NDF: 3.4/2

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.029+/-0.009 χ^2/NDF:14.1/16

Out: 0.004+/-0.009 χ^2/NDF:23.2/20

All: -0.013+/-0.006 χ^2/NDF: 44.3/37



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 41.839+/-0.025 χ^2/NDF:13915.3/1

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.631+/-0.021 χ^2/NDF:0.0/0

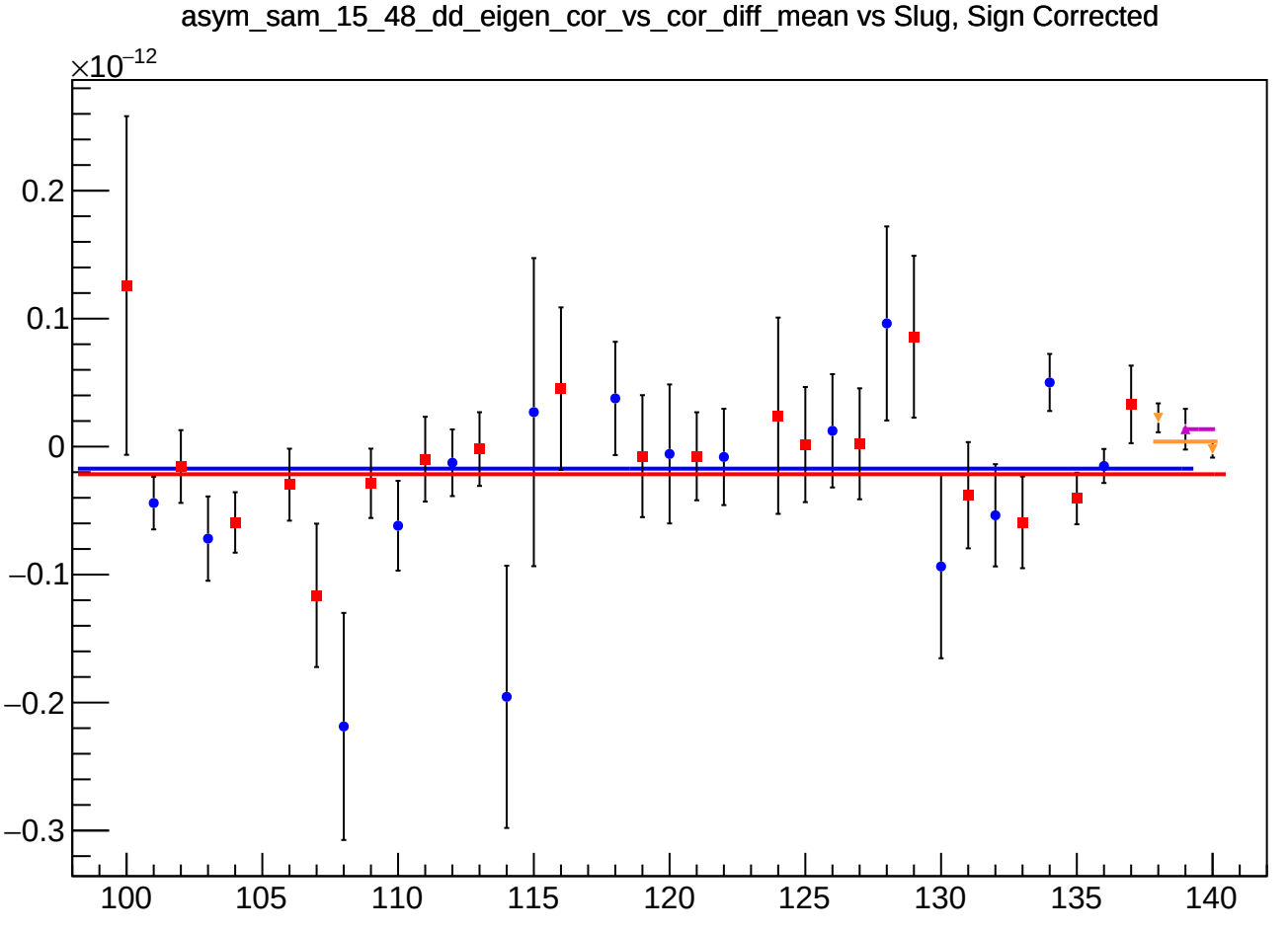
Left: 33.063+/-0.016 χ^2/NDF: 232046.6/2

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 23.385+/-0.006 χ^2/NDF:1590311.9/16

Out: 24.897+/-0.006 χ^2/NDF:1604640.7/20

All: 24.140+/-0.004 χ^2/NDF: 3223371.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 3.9/2

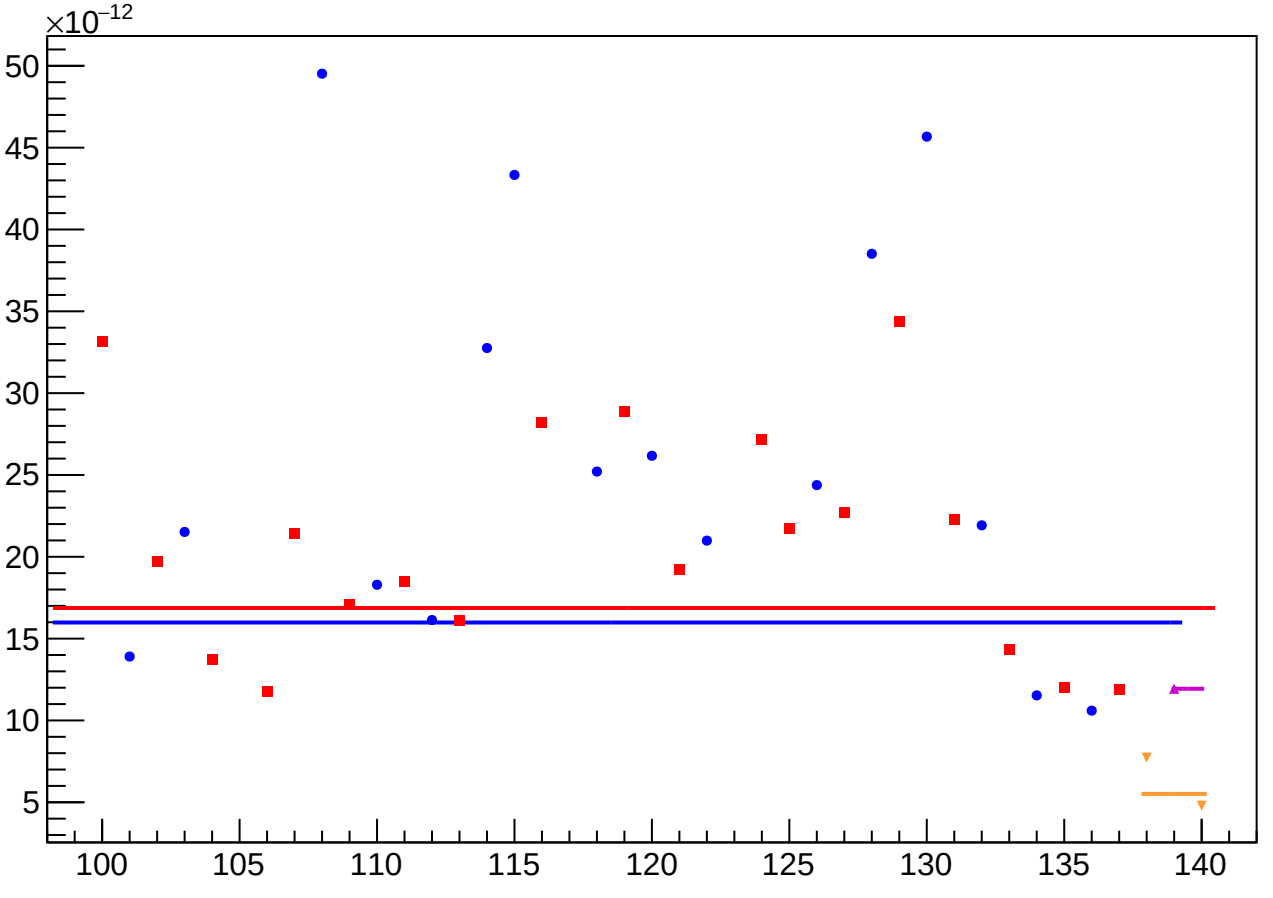
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:32.9/16

Out: -0.000+/-0.000 χ^2/NDF:28.6/20

All: -0.000+/-0.000 χ^2/NDF: 62.1/37

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:102182.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

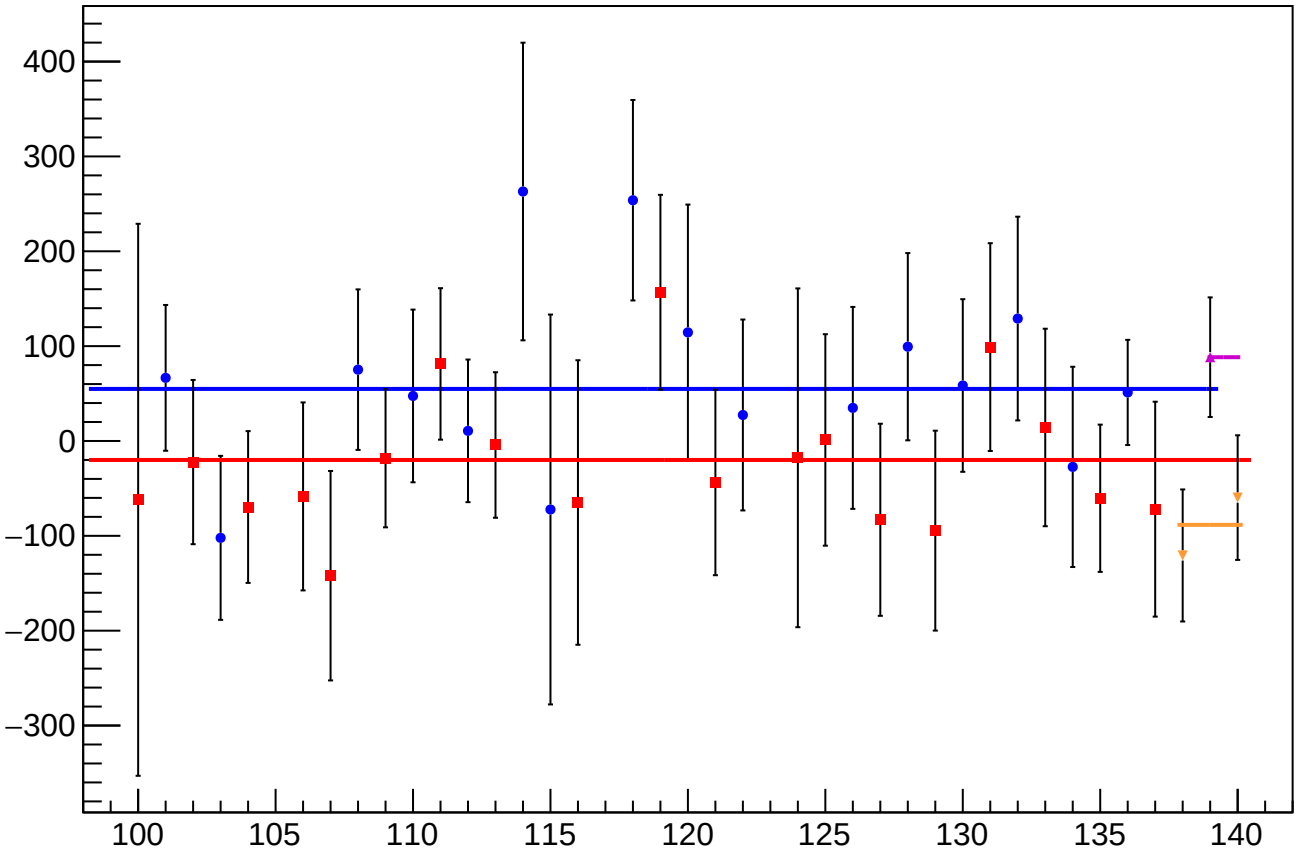
Left: 0.000+/-0.000 χ^2/NDF: 393027.5/2

Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

In: 0.000+/-0.000 χ^2/NDF:1869438.5/16

Out: 0.000+/-0.000 χ^2/NDF:3694653.9/20

All: 0.000+/-0.000 χ^2/NDF: 6563078.0/37



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -88.435+/-47.774 χ^2/NDF:0.4/1

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 88.336+/-63.066 χ^2/NDF:0.0/0

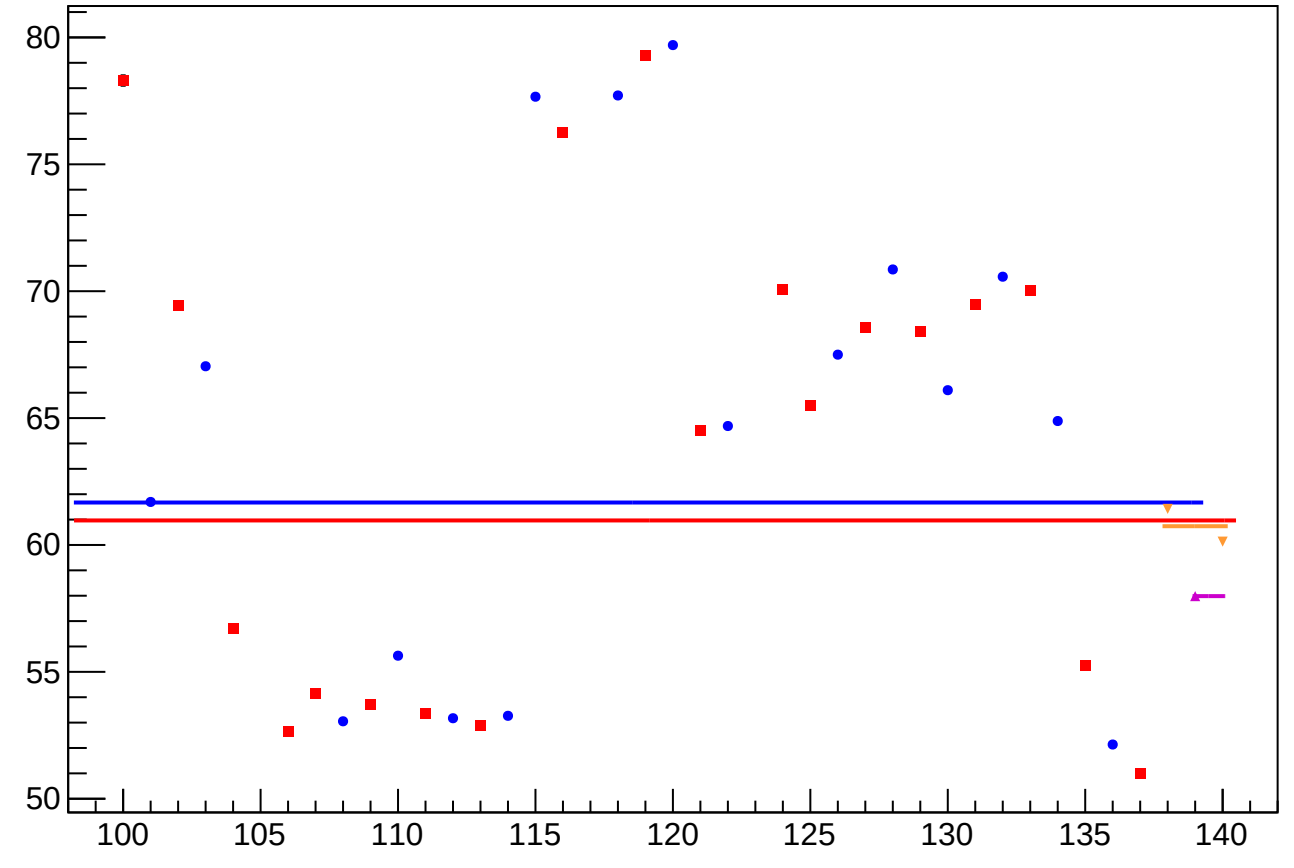
Left: -23.982+/-38.081 χ^2/NDF: 5.4/2

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 58.864+/-21.756 χ^2/NDF:11.3/16

Out: -32.504+/-20.408 χ^2/NDF:11.3/20

All: 10.262+/-14.884 χ^2/NDF: 32.0/37



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 60.739+/-0.034 χ^2/NDF:363.6/1

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 57.984+/-0.045 χ^2/NDF:0.0/0

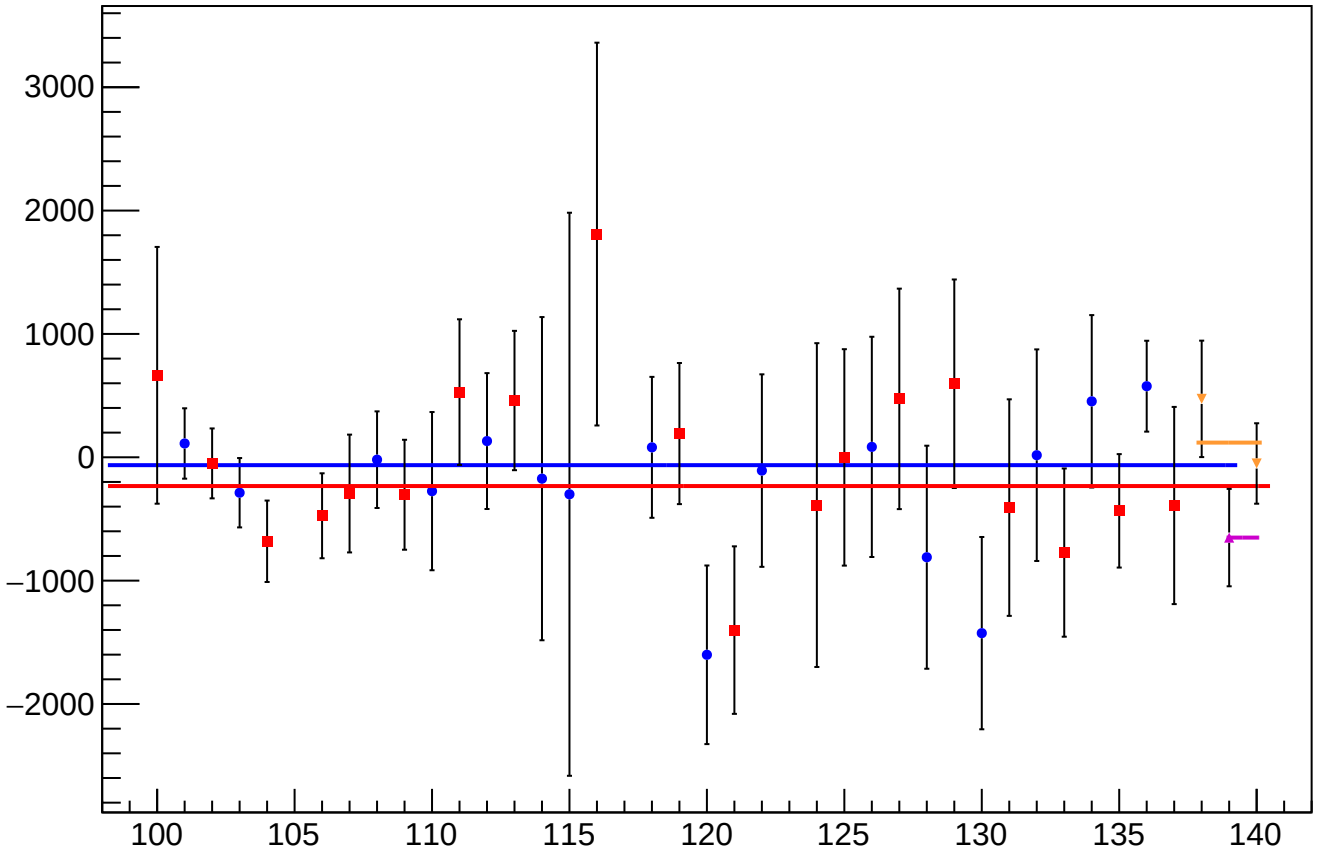
Left: 59.735+/-0.027 χ^2/NDF: 2788.1/2

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.234+/-0.015 χ^2/NDF:273135.4/16

Out: 60.925+/-0.014 χ^2/NDF:284584.0/20

All: 61.070+/-0.011 χ^2/NDF: 557934.0/37



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 119.020+/-268.305 χ^2/NDF:0.8/1

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -651.109+/-394.720 χ^2/NDF:0.0/0

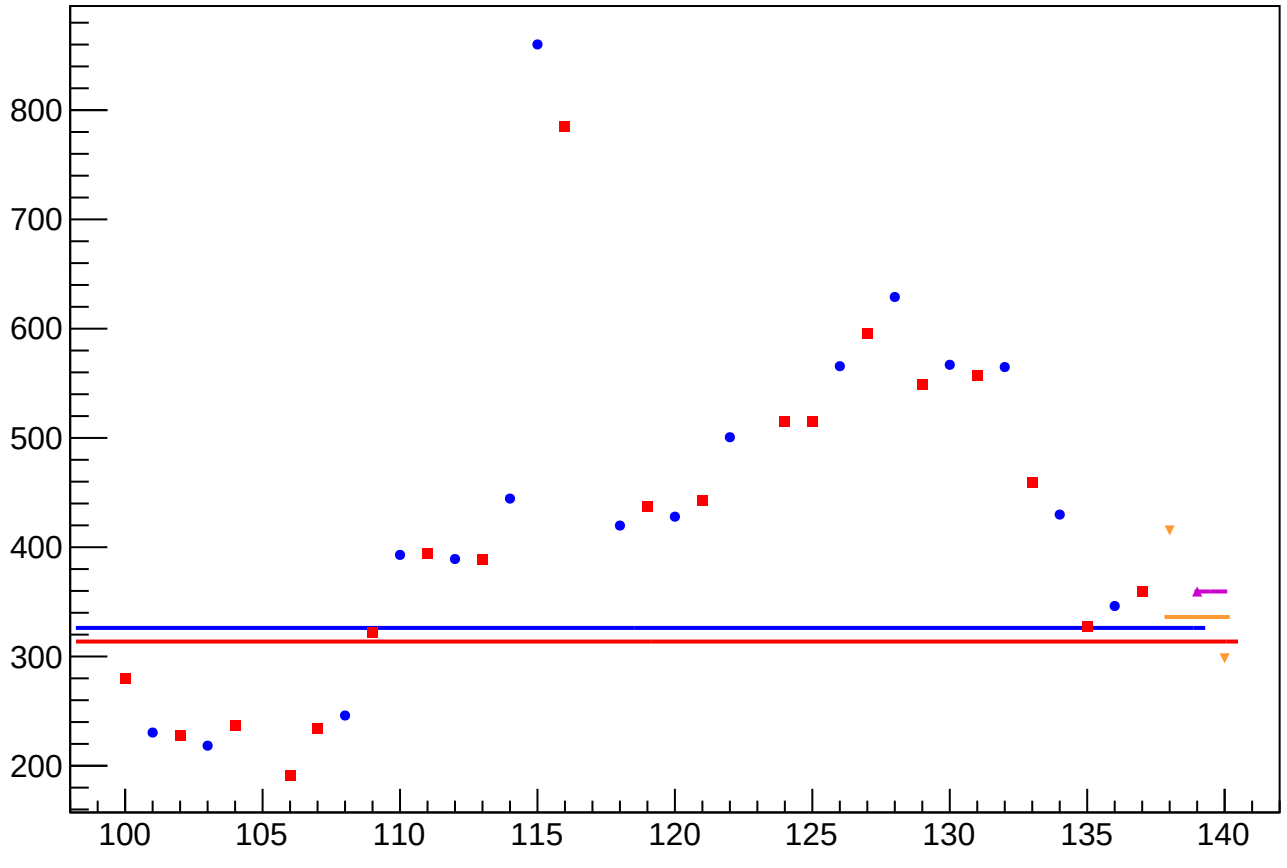
Left: -124.360+/-221.896 χ^2/NDF: 3.4/2

Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -121.043+/-123.197 χ^2/NDF:15.2/16

Out: -172.209+/-111.654 χ^2/NDF:16.8/20

All: -149.135+/-82.732 χ^2/NDF: 32.1/37



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 336.135+/-0.190 χ^2/NDF:83194.4/1

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 359.499+/-0.279 χ^2/NDF:0.0/0

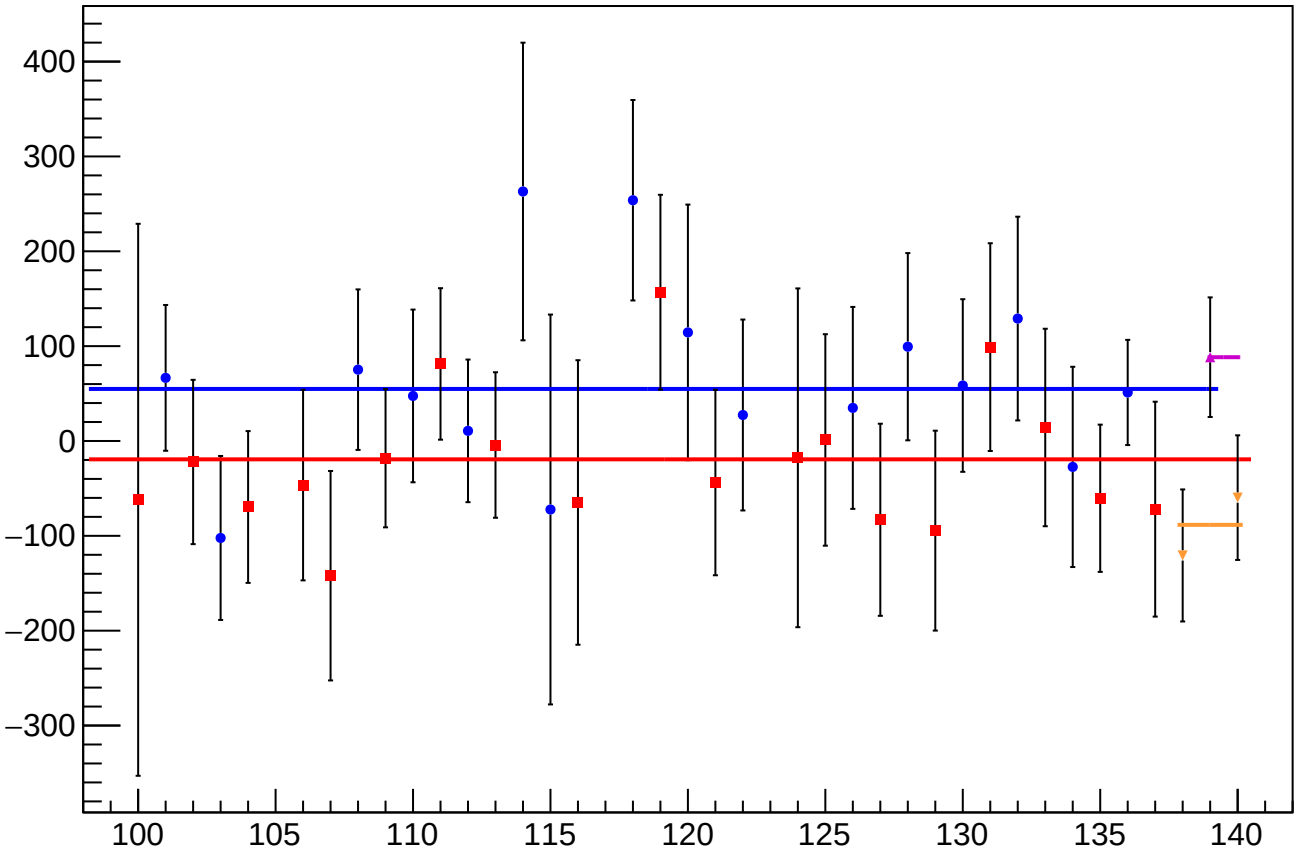
Left: 343.519+/-0.157 χ^2/NDF: 87987.4/2

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 329.396+/-0.087 χ^2/NDF:1746883.4/16

Out: 317.562+/-0.079 χ^2/NDF:1882132.4/20

All: 322.899+/-0.059 χ^2/NDF: 3639148.3/37



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -88.442+/-47.774 χ^2/NDF:0.4/1

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 88.337+/-63.066 χ^2/NDF:0.0/0

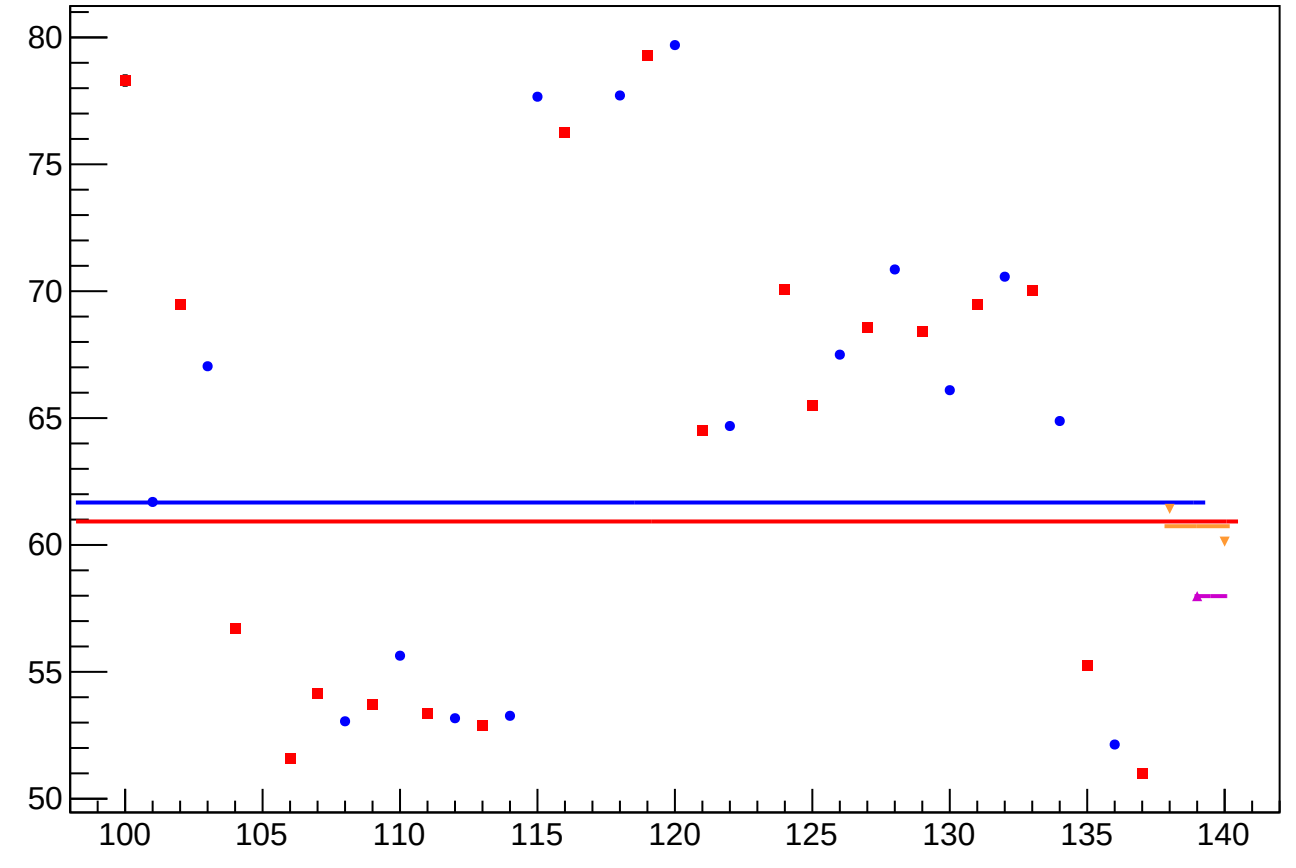
Left: -23.986+/-38.081 χ^2/NDF: 5.4/2

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 58.859+/-21.756 χ^2/NDF:11.3/16

Out: -31.975+/-20.420 χ^2/NDF:11.3/20

All: 10.568+/-14.889 χ^2/NDF: 31.8/37



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.739+/-0.034 χ^2/NDF:363.6/1

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.984+/-0.045 χ^2/NDF:0.0/0

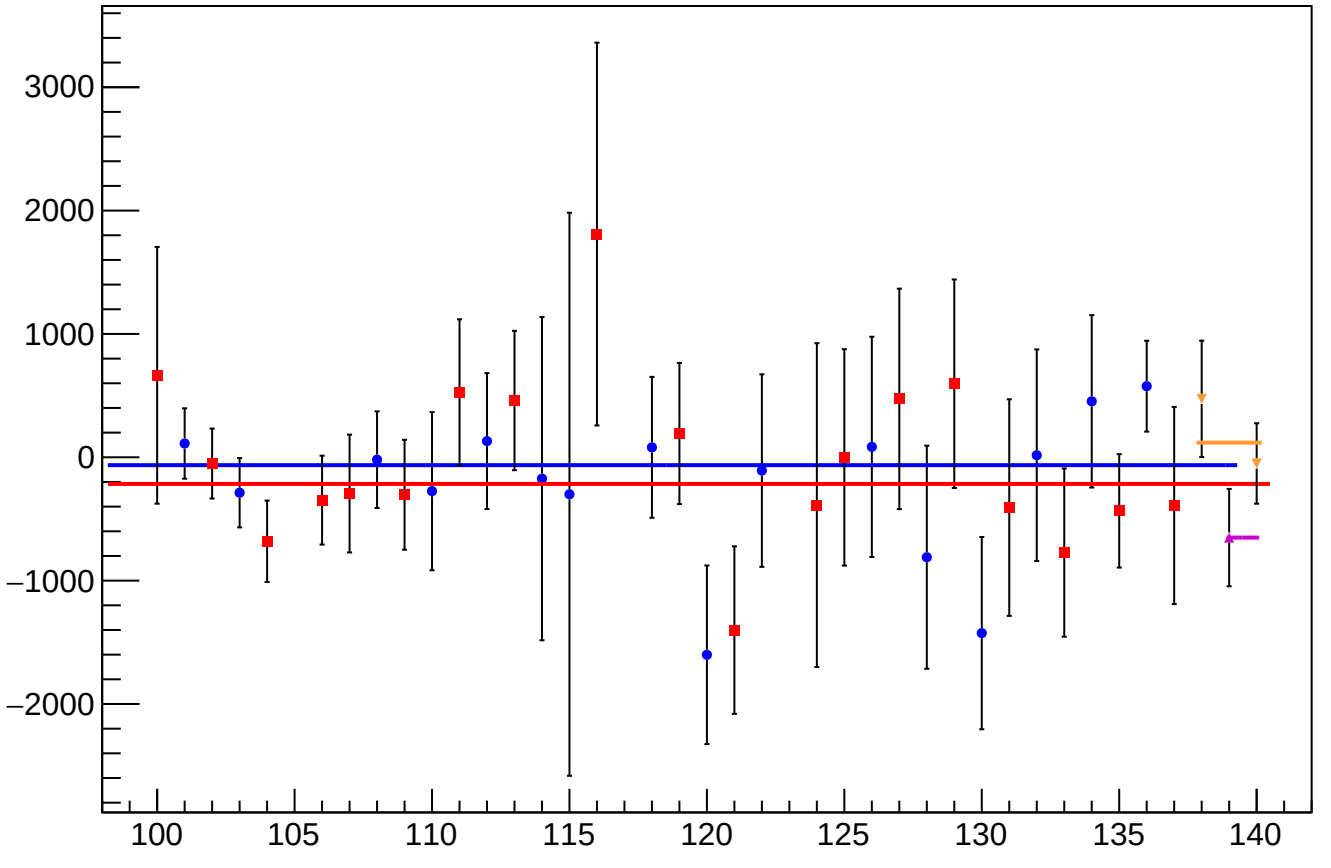
Left: 59.735+/-0.027 χ^2/NDF: 2788.1/2

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.234+/-0.015 χ^2/NDF:273135.6/16

Out: 60.892+/-0.014 χ^2/NDF:287968.2/20

All: 61.052+/-0.011 χ^2/NDF: 561367.1/37



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 119.008+/-268.305 χ^2/NDF:0.8/1

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -651.102+/-394.720 χ^2/NDF:0.0/0

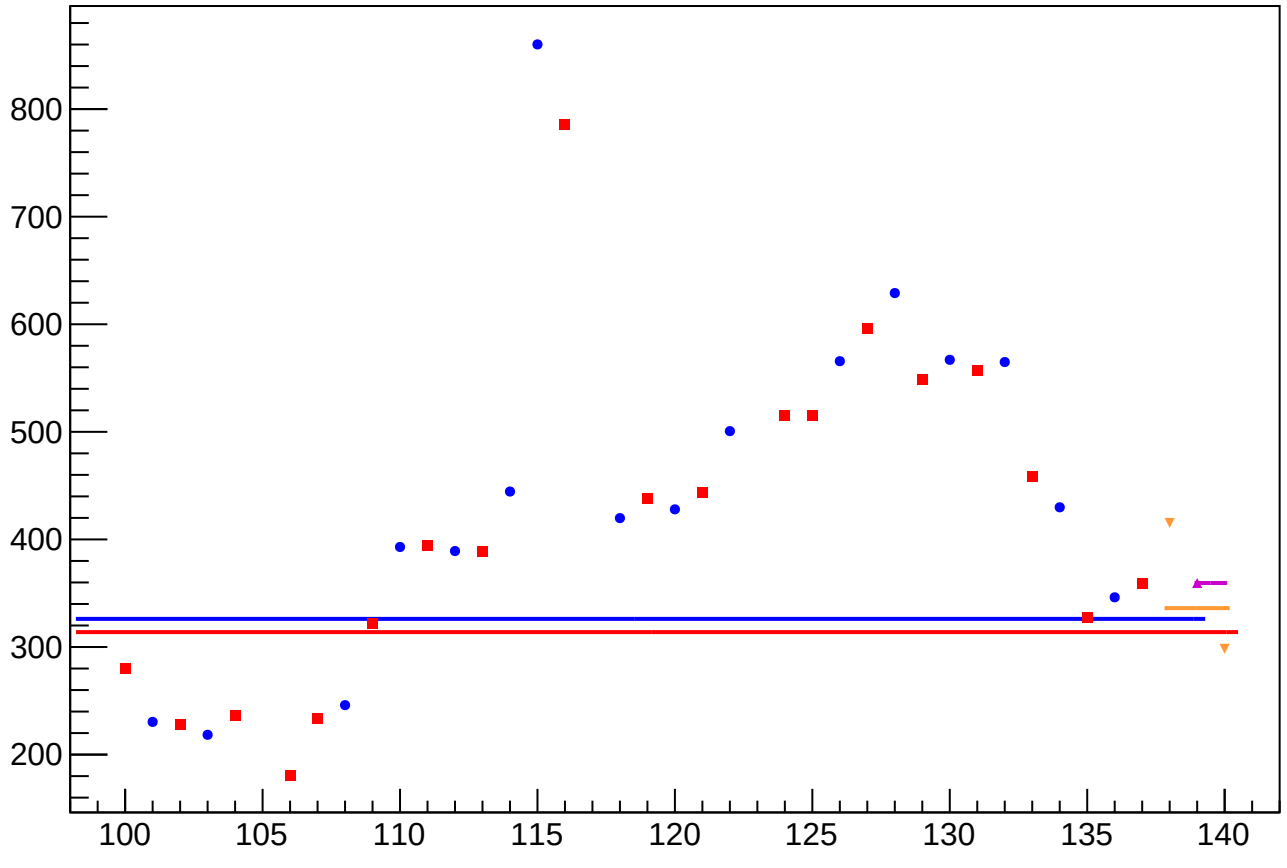
Left: -124.366+/-221.896 χ^2/NDF: 3.4/2

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -121.030+/-123.197 χ^2/NDF:15.2/16

Out: -157.364+/-112.179 χ^2/NDF:16.2/20

All: -140.894+/-82.945 χ^2/NDF: 31.5/37



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 336.135+/-0.190 χ^2/NDF:83194.7/1

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 359.499+/-0.279 χ^2/NDF:0.0/0

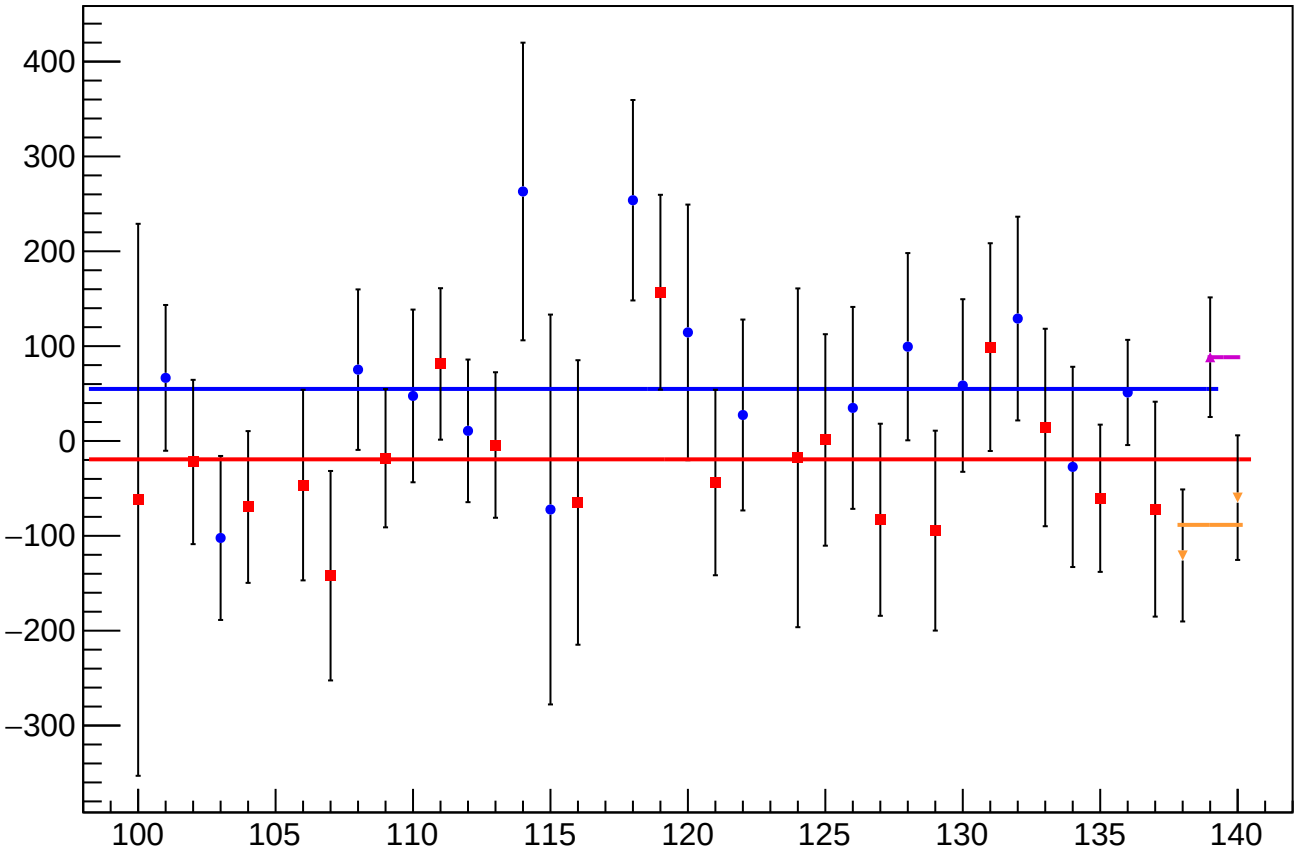
Left: 343.518+/-0.157 χ^2/NDF: 87987.6/2

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 329.399+/-0.087 χ^2/NDF:1746820.1/16

Out: 317.755+/-0.079 χ^2/NDF:1900348.1/20

All: 323.033+/-0.059 χ^2/NDF: 3656936.4/37



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -88.442+/-47.774 χ^2/NDF:0.4/1

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 88.337+/-63.066 χ^2/NDF:0.0/0

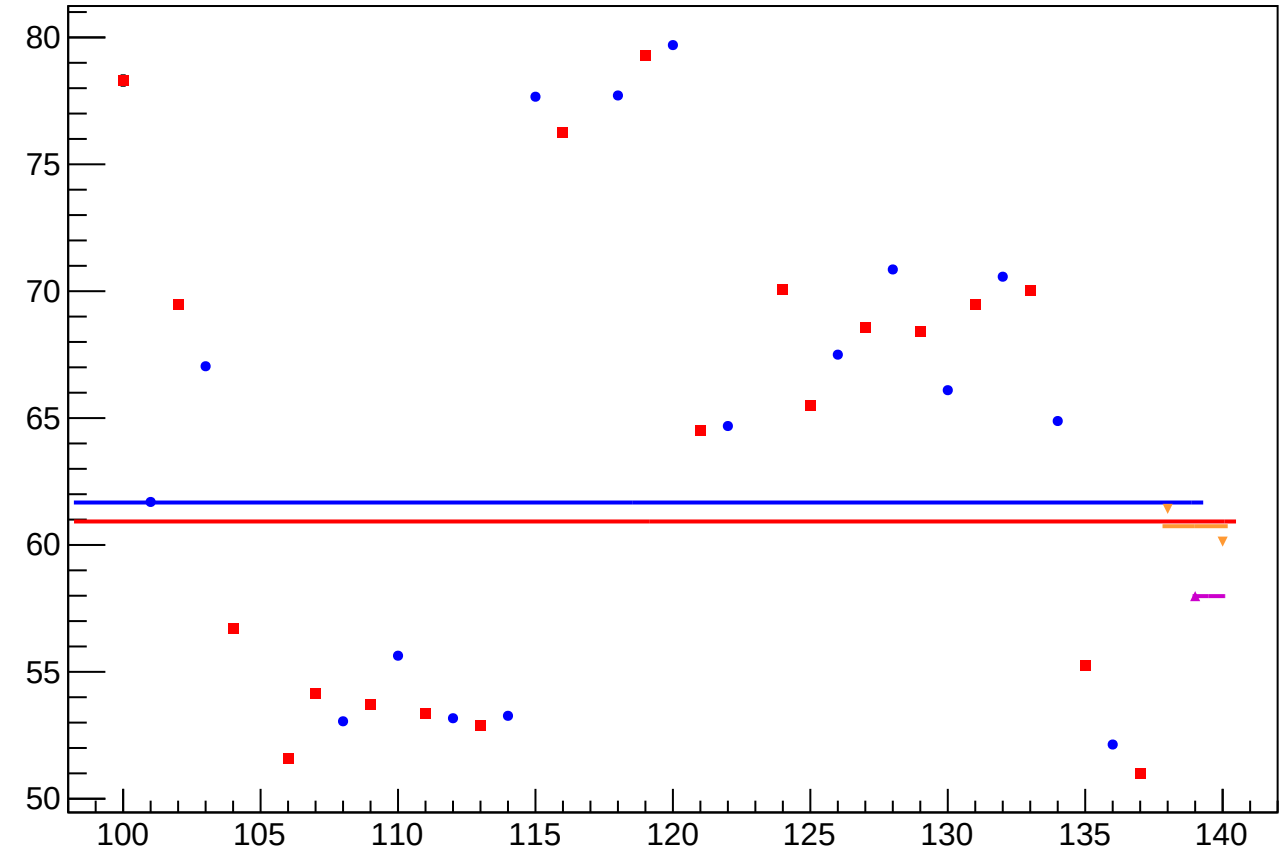
Left: -23.986+/-38.081 χ^2/NDF: 5.4/2

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 58.859+/-21.756 χ^2/NDF:11.3/16

Out: -31.975+/-20.420 χ^2/NDF:11.3/20

All: 10.568+/-14.889 χ^2/NDF: 31.8/37



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.739+/-0.034 χ^2/NDF:363.6/1

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.984+/-0.045 χ^2/NDF:0.0/0

Left: 59.735+/-0.027 χ^2/NDF: 2788.1/2

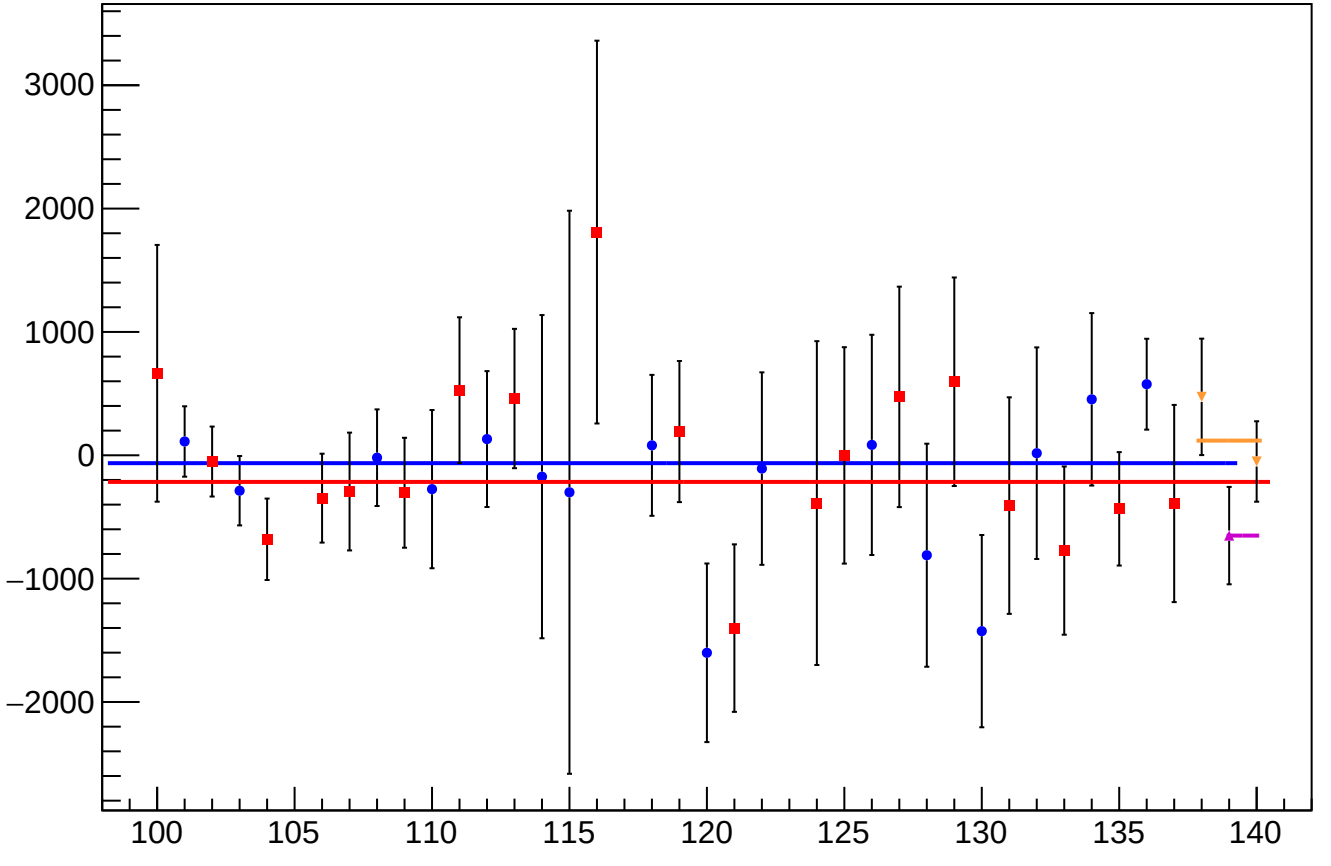
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.234+/-0.015 χ^2/NDF:273135.6/16

Out: 60.892+/-0.014 χ^2/NDF:287968.2/20

All: 61.052+/-0.011 χ^2/NDF: 561367.1/37

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: 119.008+/-268.305 χ^2/NDF:0.8/1

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -651.102+/-394.720 χ^2/NDF:0.0/0

Left: -124.366+/-221.896 χ^2/NDF: 3.4/2

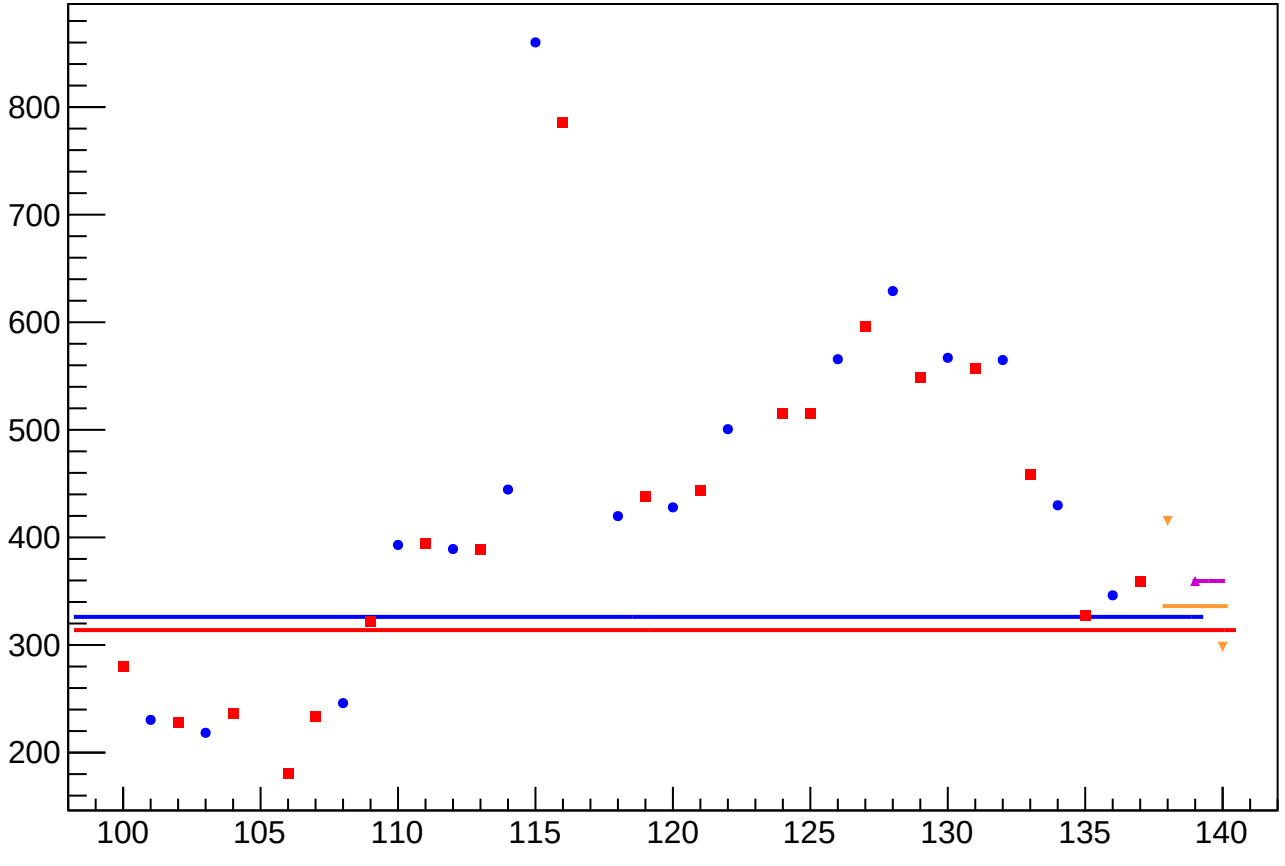
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -121.030+/-123.197 χ^2/NDF:15.2/16

Out: -157.364+/-112.179 χ^2/NDF:16.2/20

All: -140.894+/-82.945 χ^2/NDF: 31.5/37

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 336.135+/-0.190 χ^2/NDF:83194.7/1

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 359.499+/-0.279 χ^2/NDF:0.0/0

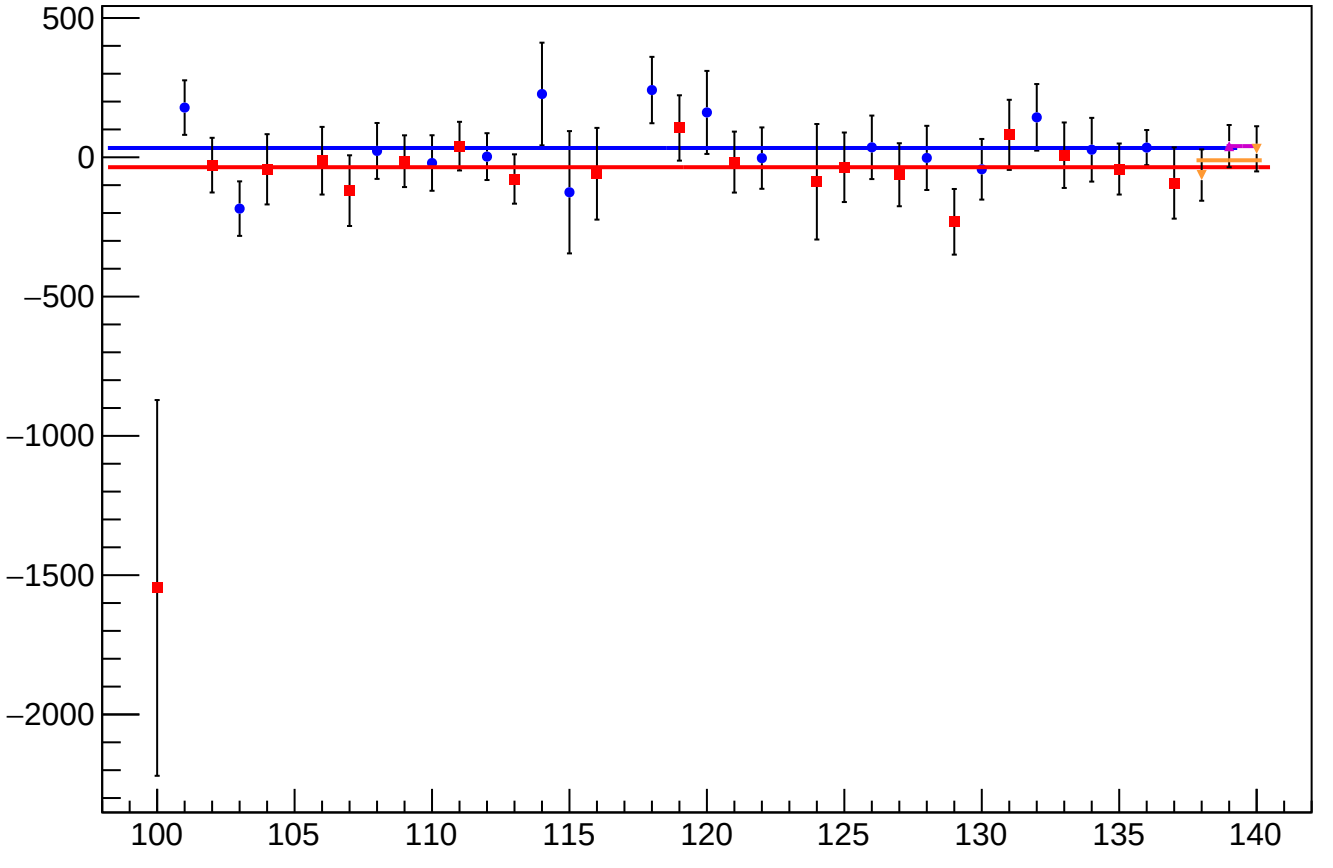
Left: 343.518+/-0.157 χ^2/NDF: 87987.6/2

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 329.399+/-0.087 χ^2/NDF:1746820.1/16

Out: 317.755+/-0.079 χ^2/NDF:1900348.1/20

All: 323.033+/-0.059 χ^2/NDF: 3656936.4/37



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: -10.730+/-60.867 χ^2/NDF:0.6/1

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: 40.111+/-75.842 χ^2/NDF:0.0/0

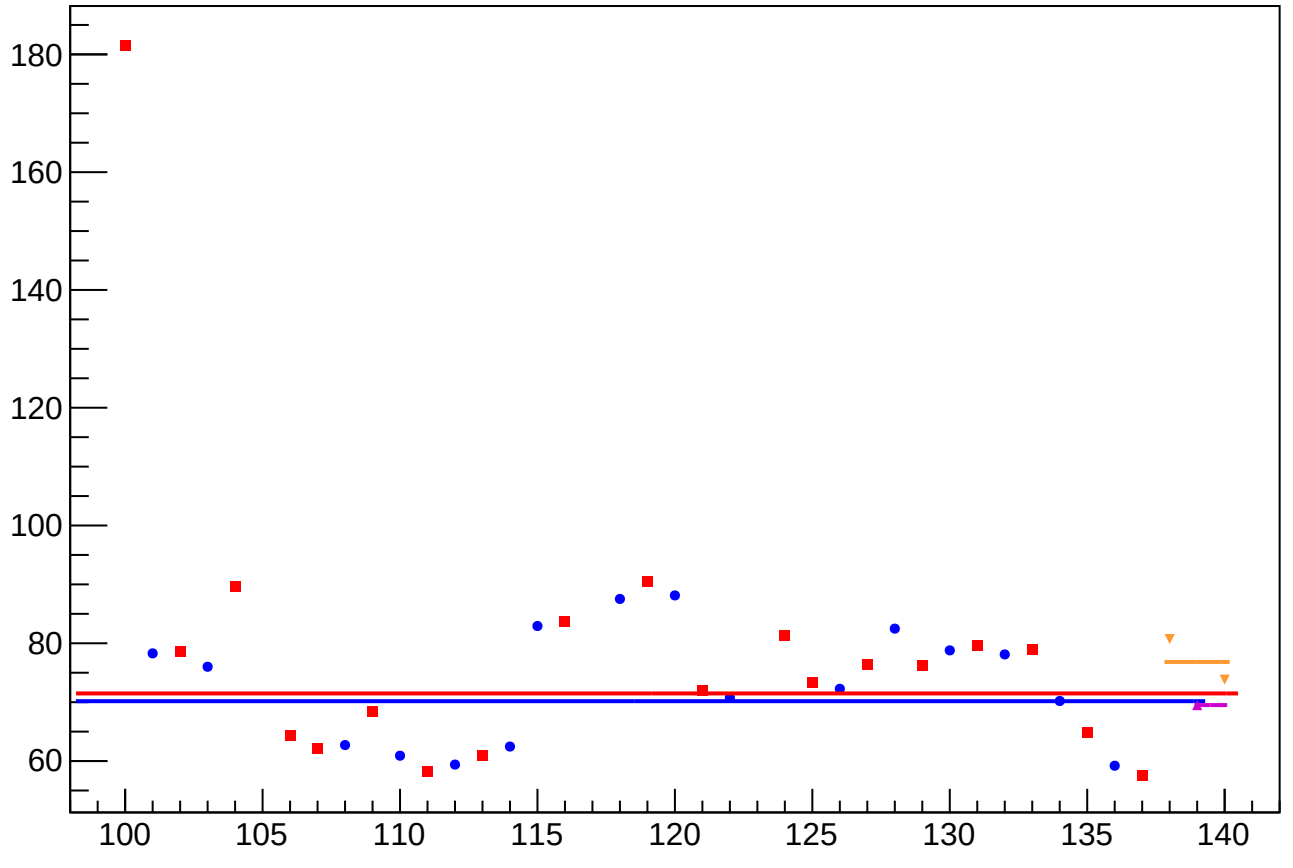
Left: 9.188+/-47.470 χ^2/NDF: 0.9/2

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 34.125+/-24.945 χ^2/NDF:14.5/16

Out: -31.608+/-24.325 χ^2/NDF:12.8/20

All: 0.431+/-17.415 χ^2/NDF: 30.9/37



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 76.829+/-0.043 χ^2/NDF:6313.4/1

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 69.504+/-0.054 χ^2/NDF:0.0/0

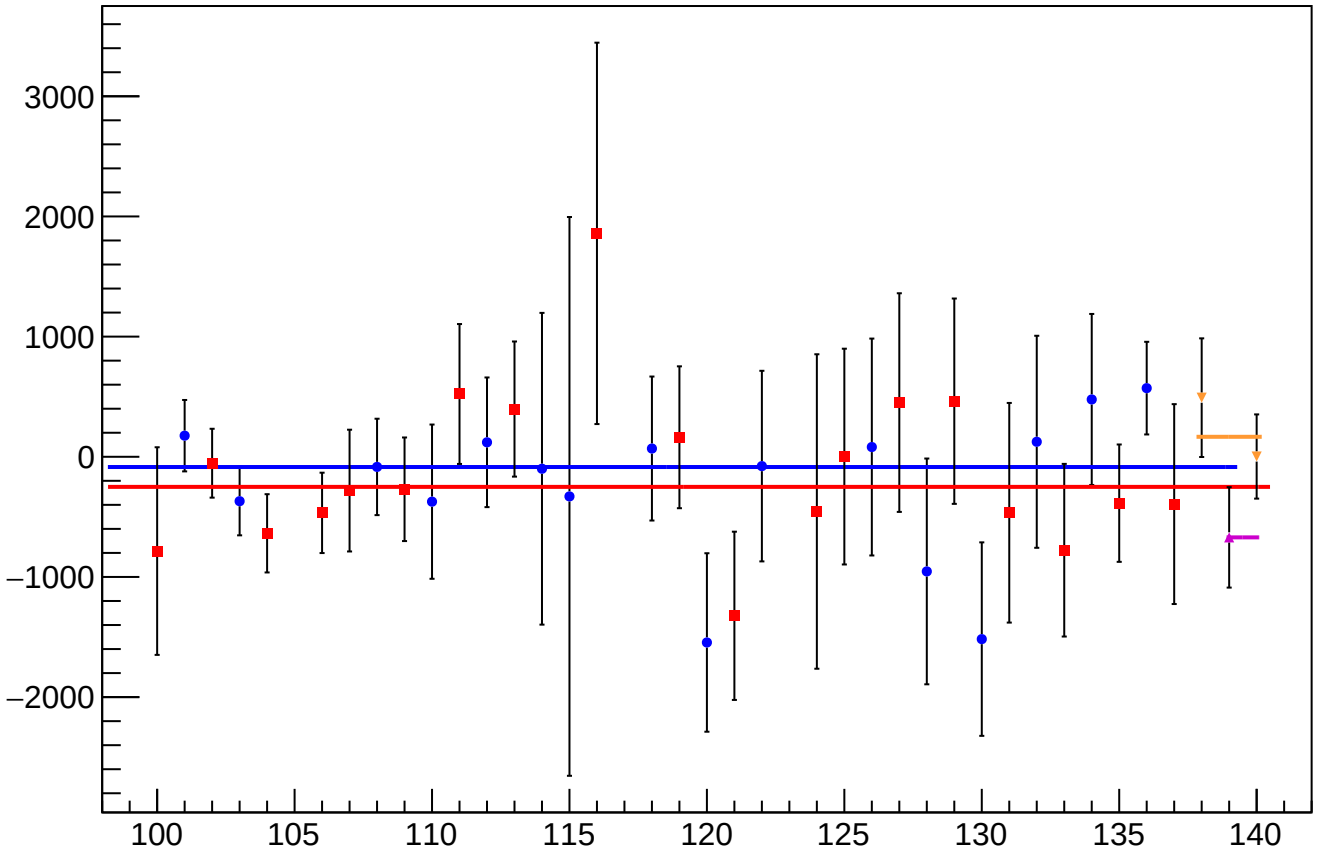
Left: 73.960+/-0.034 χ^2/NDF: 17660.7/2

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 70.096+/-0.018 χ^2/NDF:269386.2/16

Out: 72.337+/-0.017 χ^2/NDF:344993.7/20

All: 71.244+/-0.012 χ^2/NDF: 622656.3/37



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 166.297+/-285.771 χ^2/NDF:0.7/1

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -670.694+/-417.909 χ^2/NDF:0.0/0

Left: -100.380+/-235.892 χ^2/NDF: 3.4/2

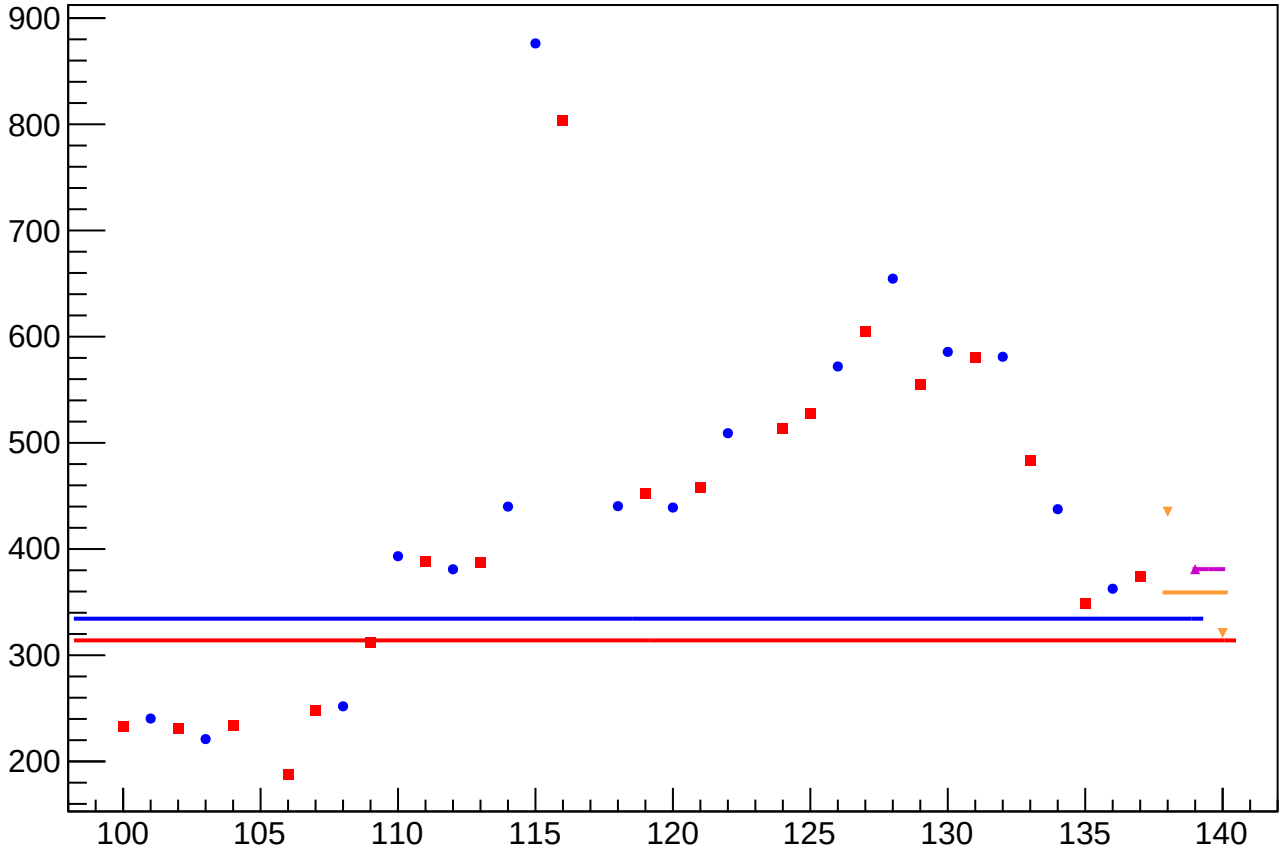
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -138.942+/-126.630 χ^2/NDF:15.5/16

Out: -185.034+/-113.213 χ^2/NDF:14.9/20

All: -164.558+/-84.400 χ^2/NDF: 30.5/37

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 359.147+/-0.202 χ^2/NDF:71176.9/1

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 381.094+/-0.296 χ^2/NDF:0.0/0

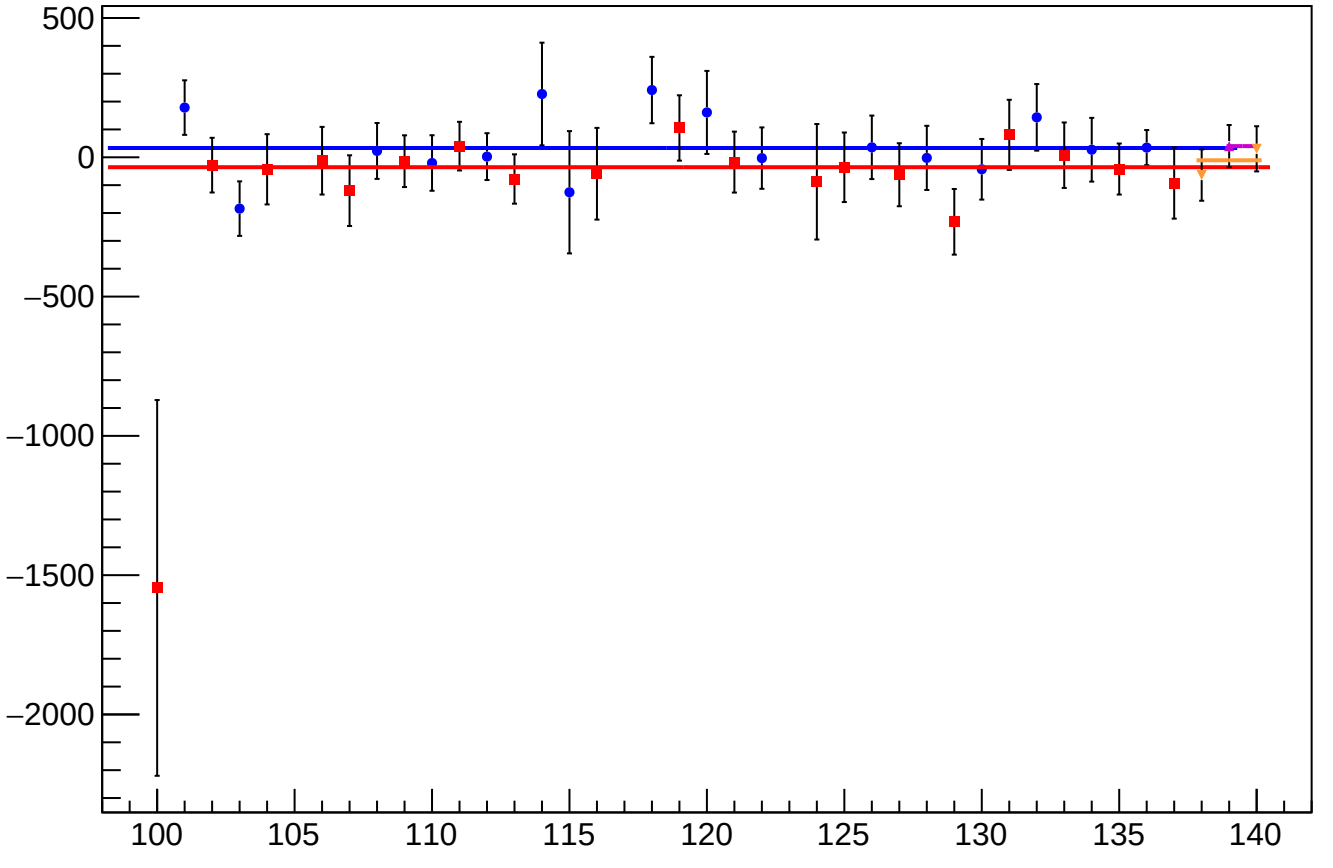
Left: 366.139+/-0.167 χ^2/NDF: 74935.3/2

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 338.715+/-0.090 χ^2/NDF:1753255.6/16

Out: 321.061+/-0.080 χ^2/NDF:2017919.4/20

All: 328.904+/-0.060 χ^2/NDF: 3792778.6/37



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: -10.731+/-60.867 χ^2/NDF:0.6/1

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: 40.116+/-75.841 χ^2/NDF:0.0/0

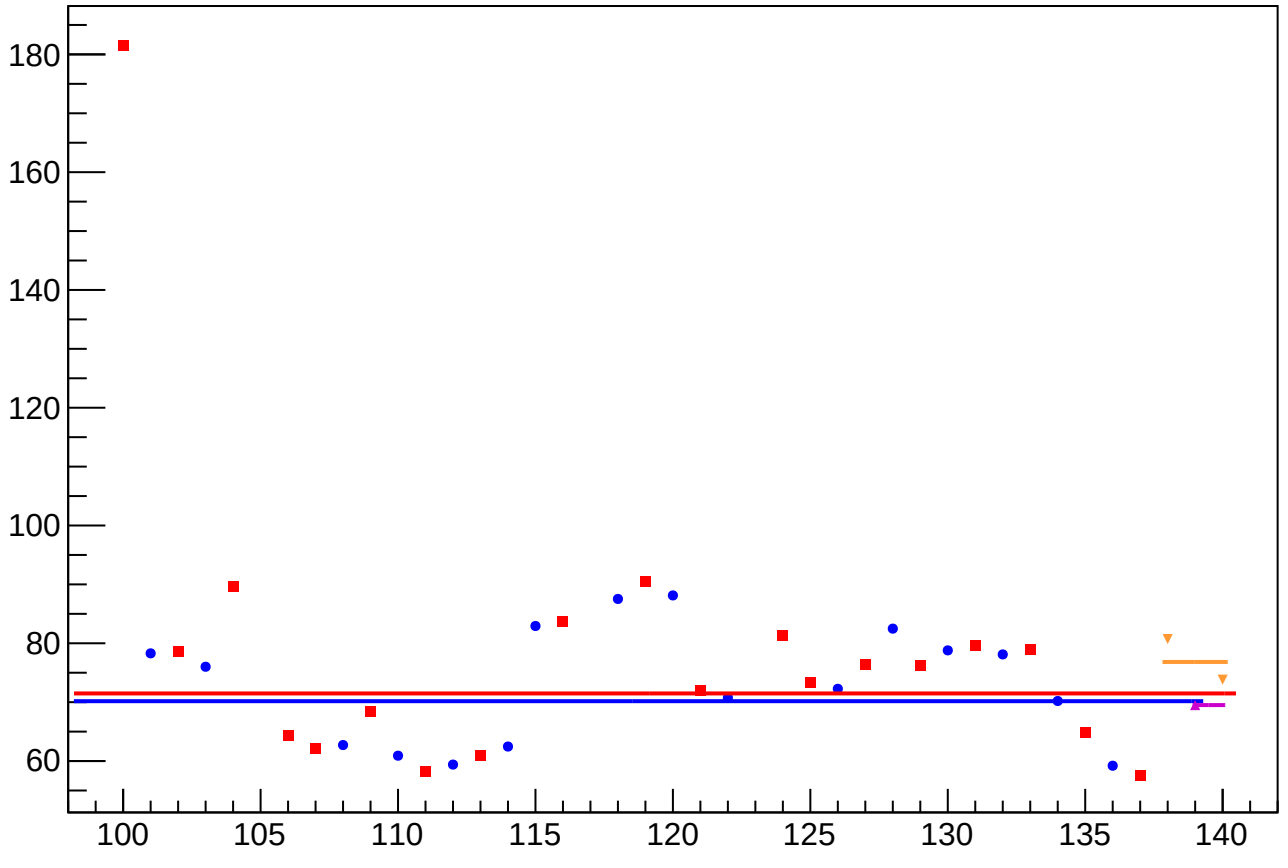
Left: 9.189+/-47.470 χ^2/NDF: 0.9/2

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 34.124+/-24.945 χ^2/NDF:14.5/16

Out: -31.609+/-24.325 χ^2/NDF:12.8/20

All: 0.430+/-17.415 χ^2/NDF: 30.9/37



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 76.829+/-0.043 χ^2/NDF:6313.4/1

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.504+/-0.054 χ^2/NDF:0.0/0

Left: 73.959+/-0.034 χ^2/NDF: 17660.8/2

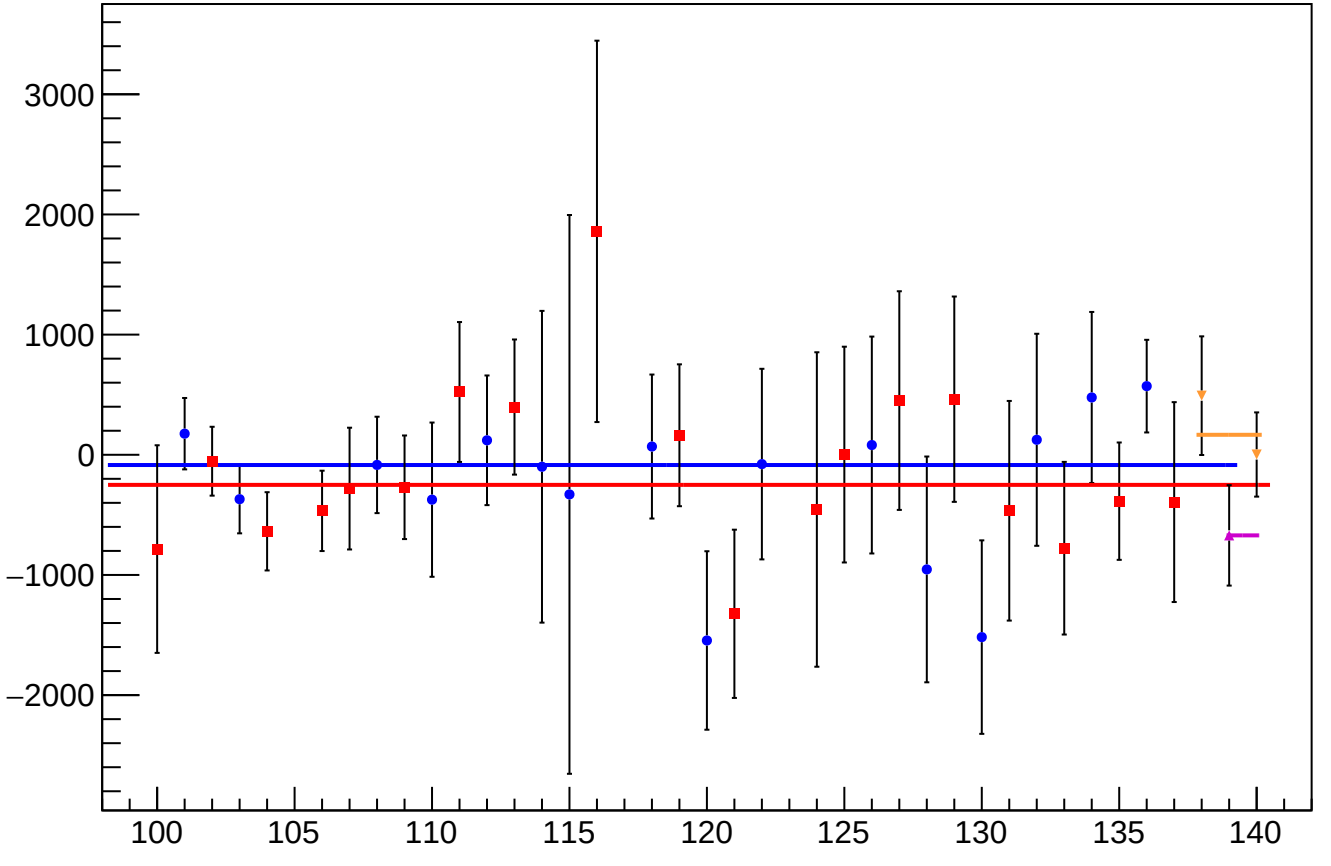
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 70.096+/-0.018 χ^2/NDF:269389.5/16

Out: 72.337+/-0.017 χ^2/NDF:344998.3/20

All: 71.244+/-0.012 χ^2/NDF: 622664.0/37

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 166.297+/-285.770 χ^2/NDF:0.7/1

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -670.692+/-417.908 χ^2/NDF:0.0/0

Left: -100.380+/-235.892 χ^2/NDF: 3.4/2

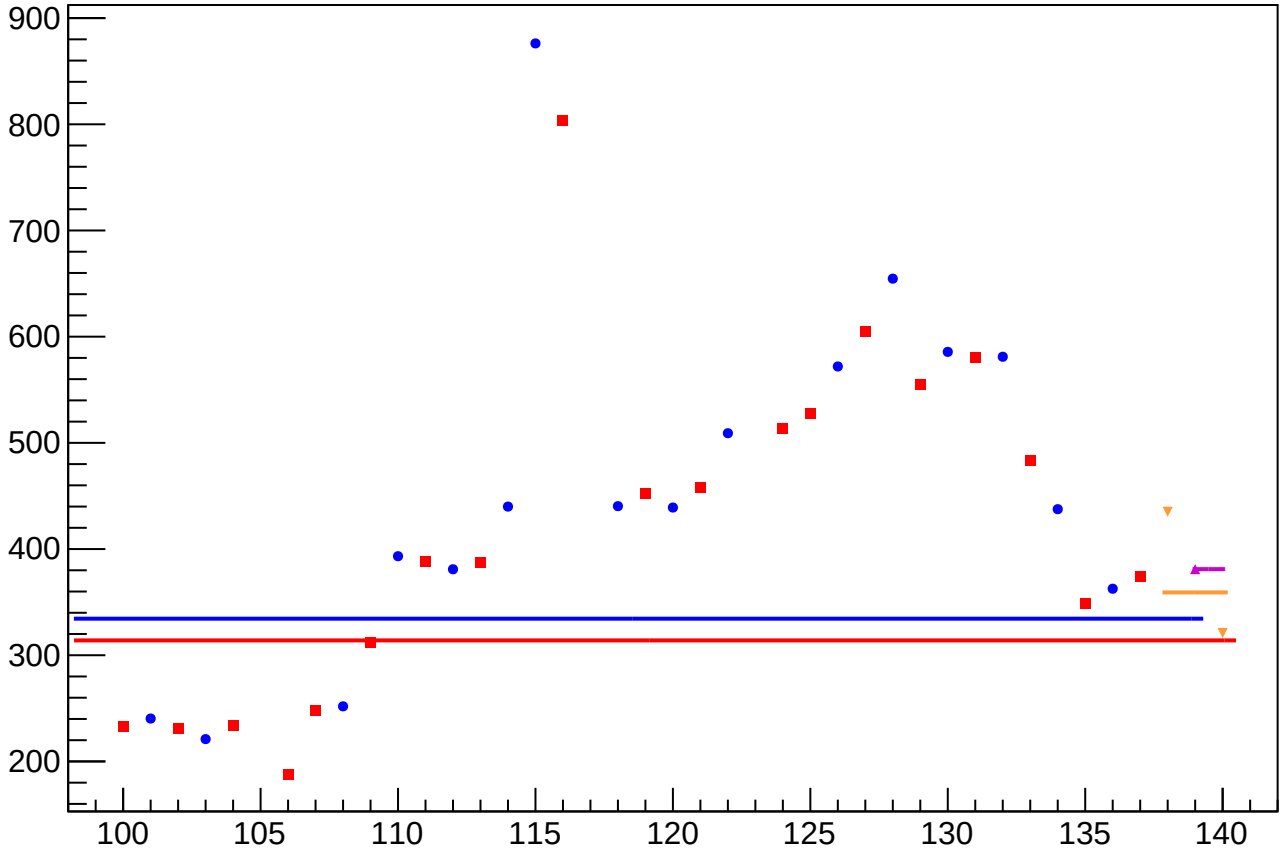
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -138.944+/-126.630 χ^2/NDF:15.5/16

Out: -185.034+/-113.213 χ^2/NDF:14.9/20

All: -164.559+/-84.400 χ^2/NDF: 30.5/37

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 359.146+/-0.202 χ^2/NDF:71176.6/1

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 381.093+/-0.296 χ^2/NDF:0.0/0

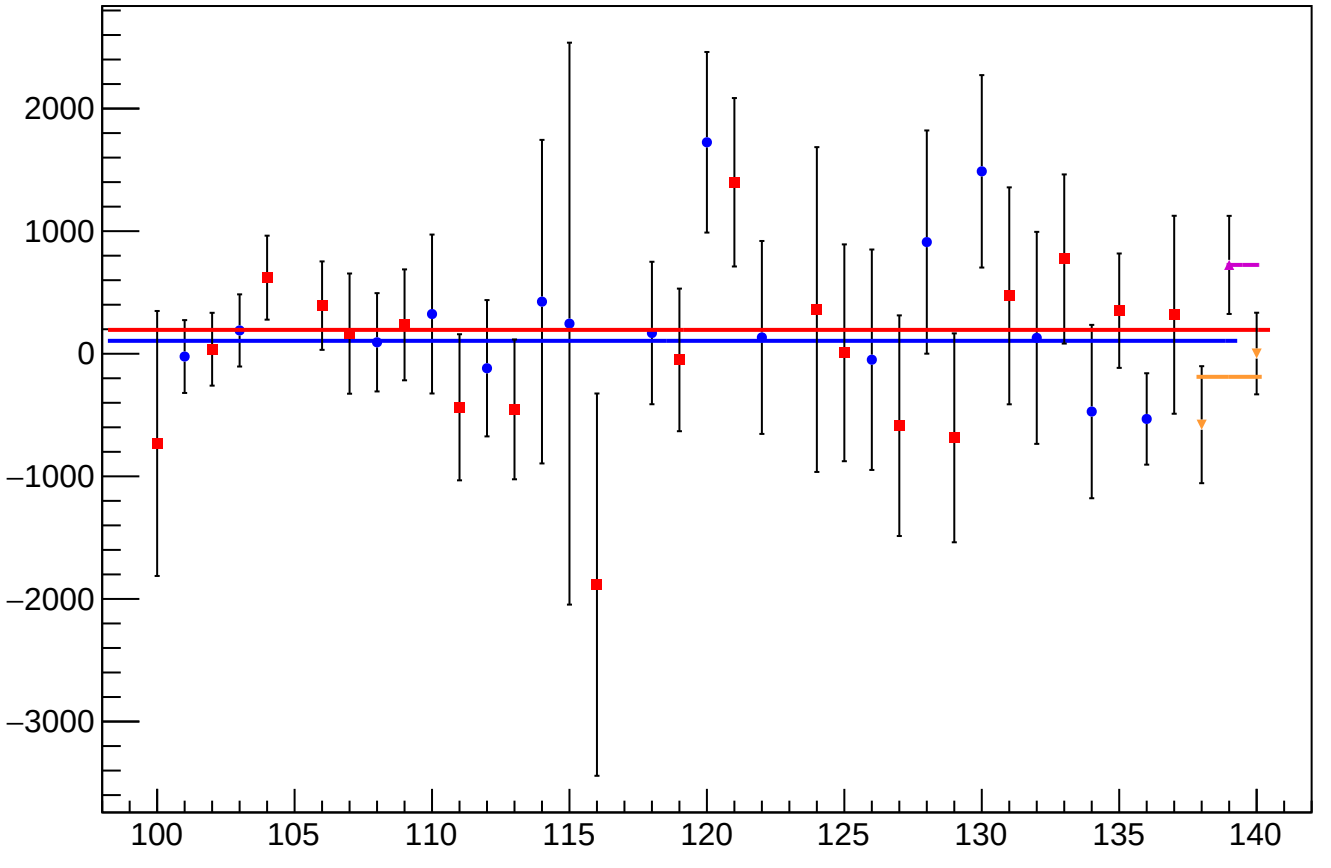
Left: 366.139+/-0.167 χ^2/NDF: 74935.1/2

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 338.715+/-0.090 χ^2/NDF:1753254.3/16

Out: 321.061+/-0.080 χ^2/NDF:2017916.2/20

All: 328.904+/-0.060 χ^2/NDF: 3792774.8/37



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -188.195+/-273.045 χ^2/NDF:1.0/1

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 724.713+/-400.079 χ^2/NDF:0.0/0

Left: 101.898+/-225.528 χ^2/NDF: 4.5/2

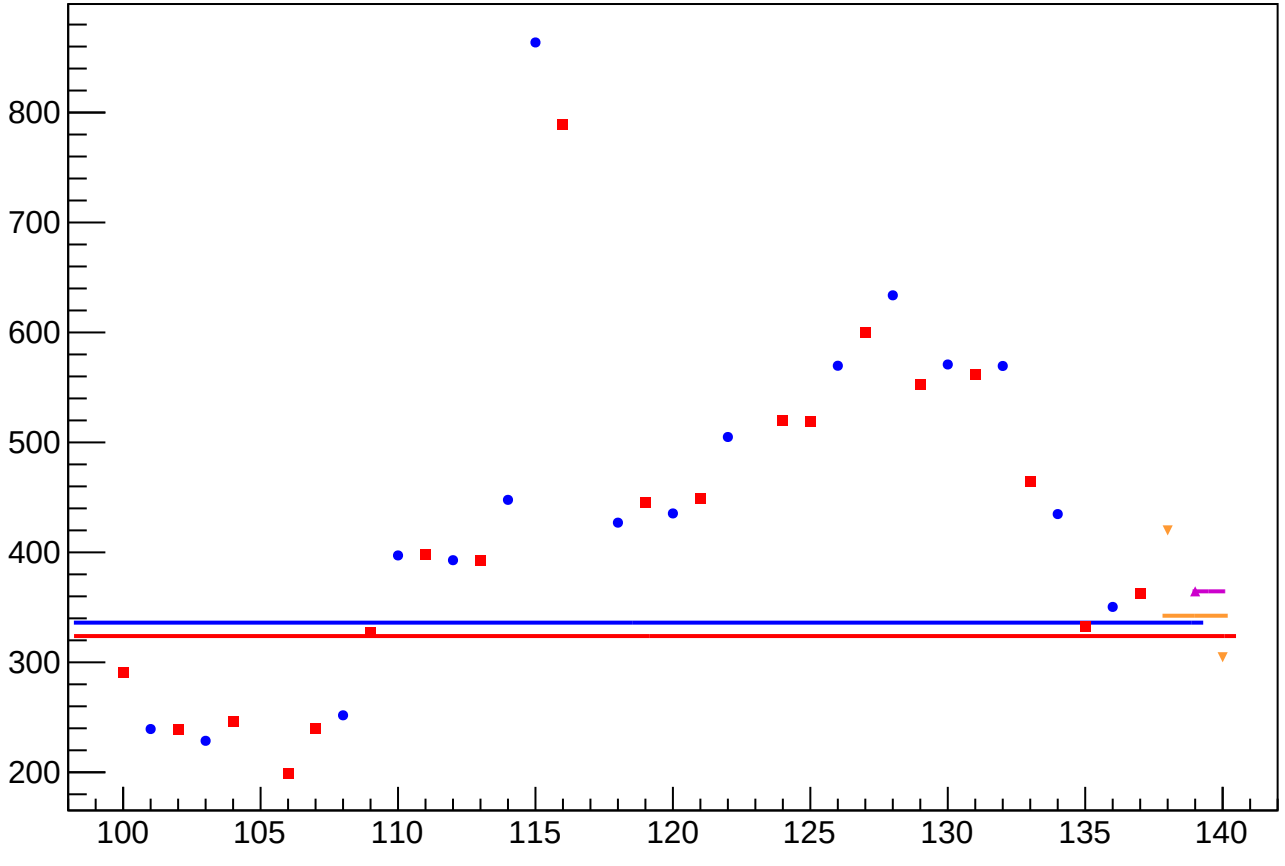
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 167.060+/-126.248 χ^2/NDF:15.1/16

Out: 127.314+/-114.555 χ^2/NDF:15.8/20

All: 145.261+/-84.836 χ^2/NDF: 30.9/37

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 342.380+/-0.193 χ^2/NDF:78621.6/1

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 364.558+/-0.283 χ^2/NDF:0.0/0

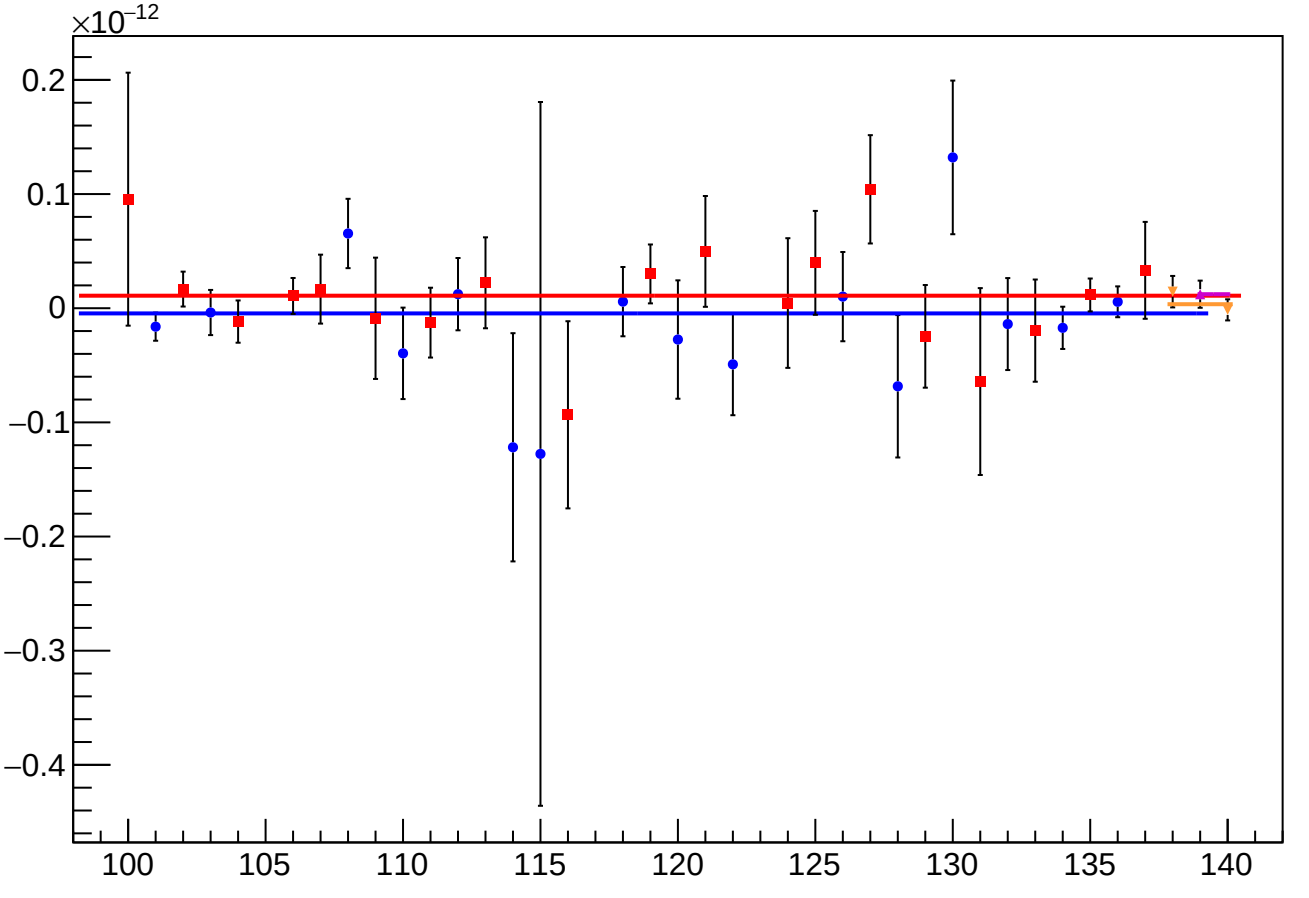
Left: 349.427+/-0.159 χ^2/NDF: 82814.5/2

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 338.927+/-0.089 χ^2/NDF:1628113.6/16

Out: 327.141+/-0.081 χ^2/NDF:1751602.8/20

All: 332.463+/-0.060 χ^2/NDF: 3389276.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

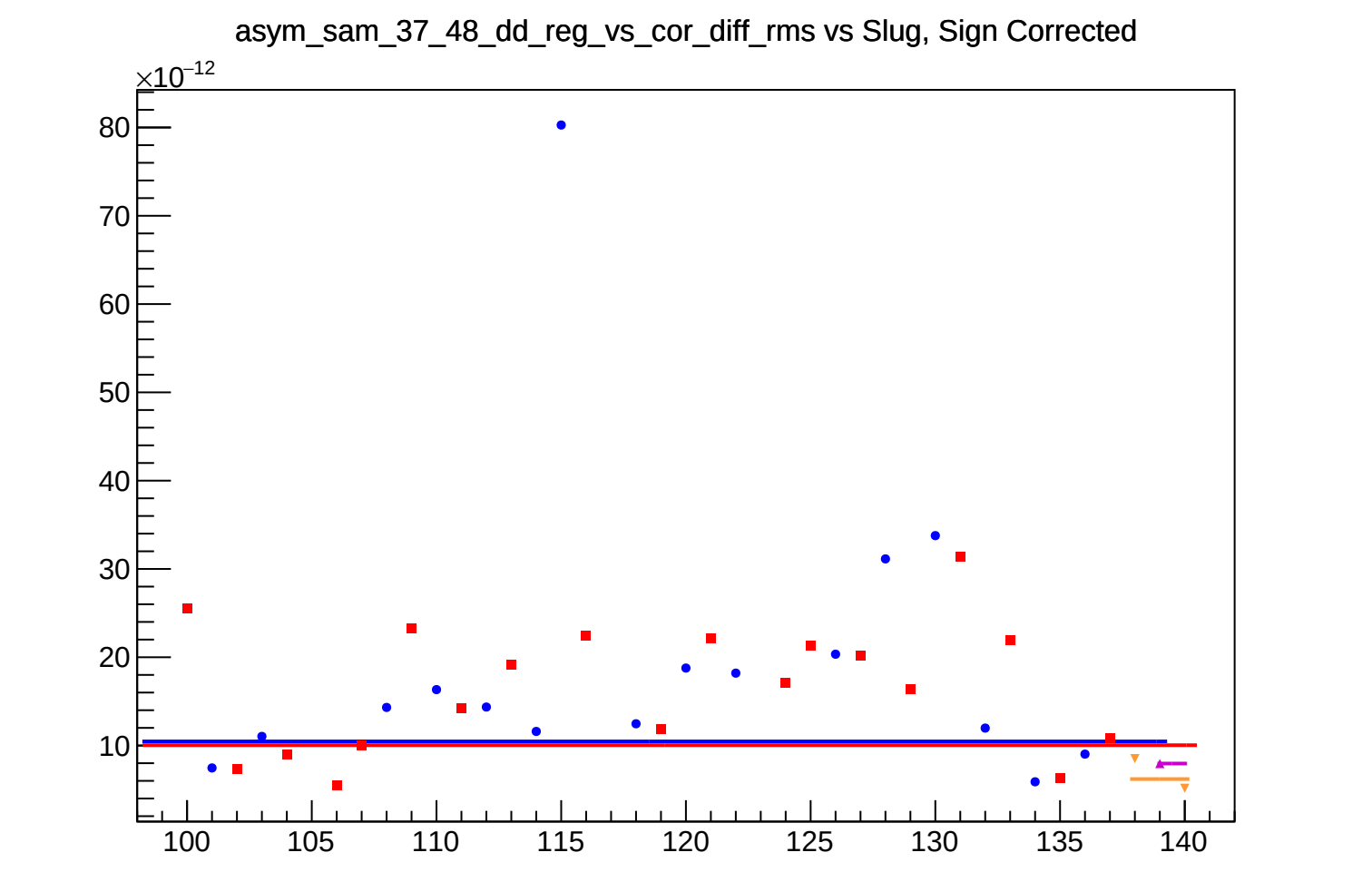
Left: 0.000+/-0.000 χ^2/NDF: 1.3/2

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:18.0/16

Out: 0.000+/-0.000 χ^2/NDF:13.8/20

All: 0.000+/-0.000 χ^2/NDF: 33.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:81810.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

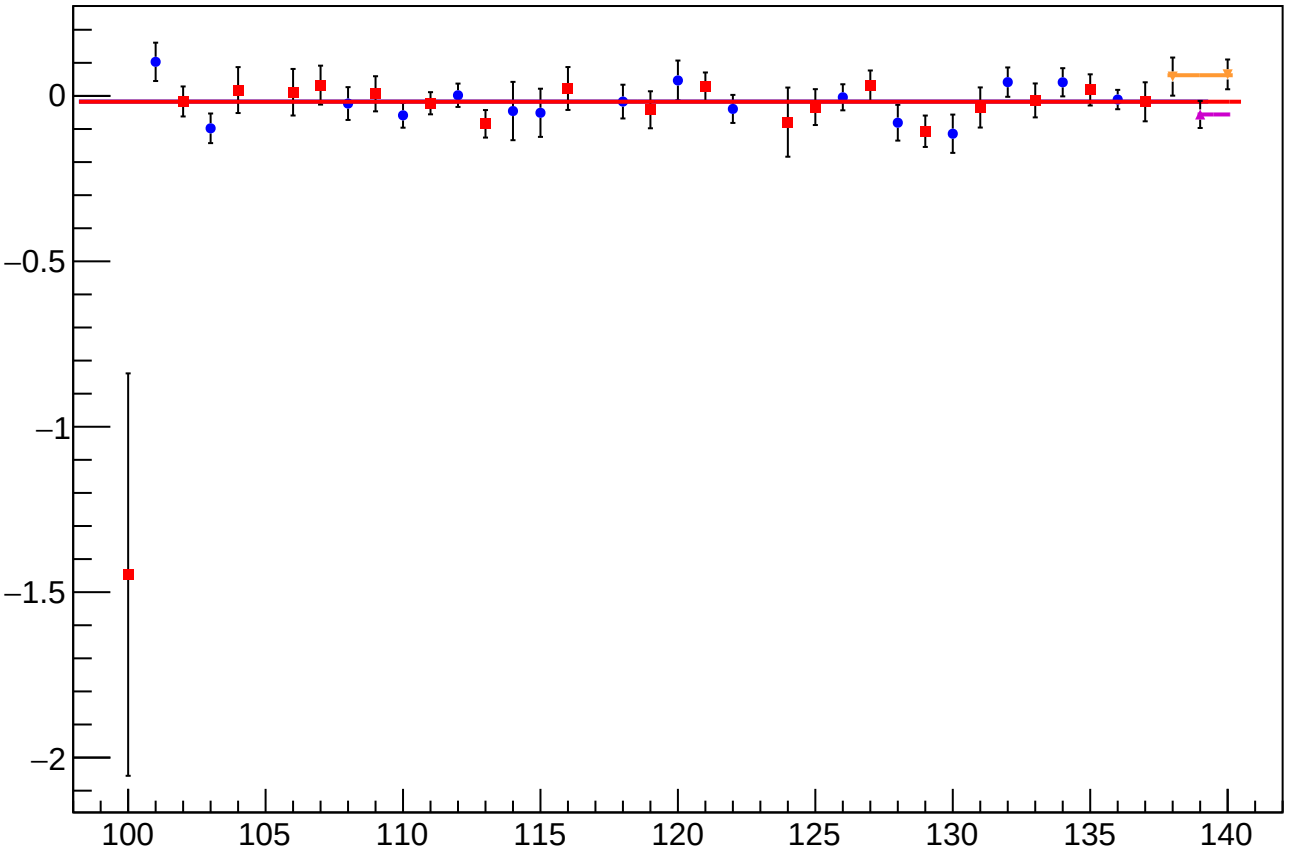
Left: 0.000+/-0.000 χ^2/NDF: 112640.9/2

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:1252526.3/16

Out: 0.000+/-0.000 χ^2/NDF:1791574.0/20

All: 0.000+/-0.000 χ^2/NDF: 3117223.1/37



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.063+/-0.035 χ^2/NDF:0.0/1

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.056+/-0.041 χ^2/NDF:0.0/0

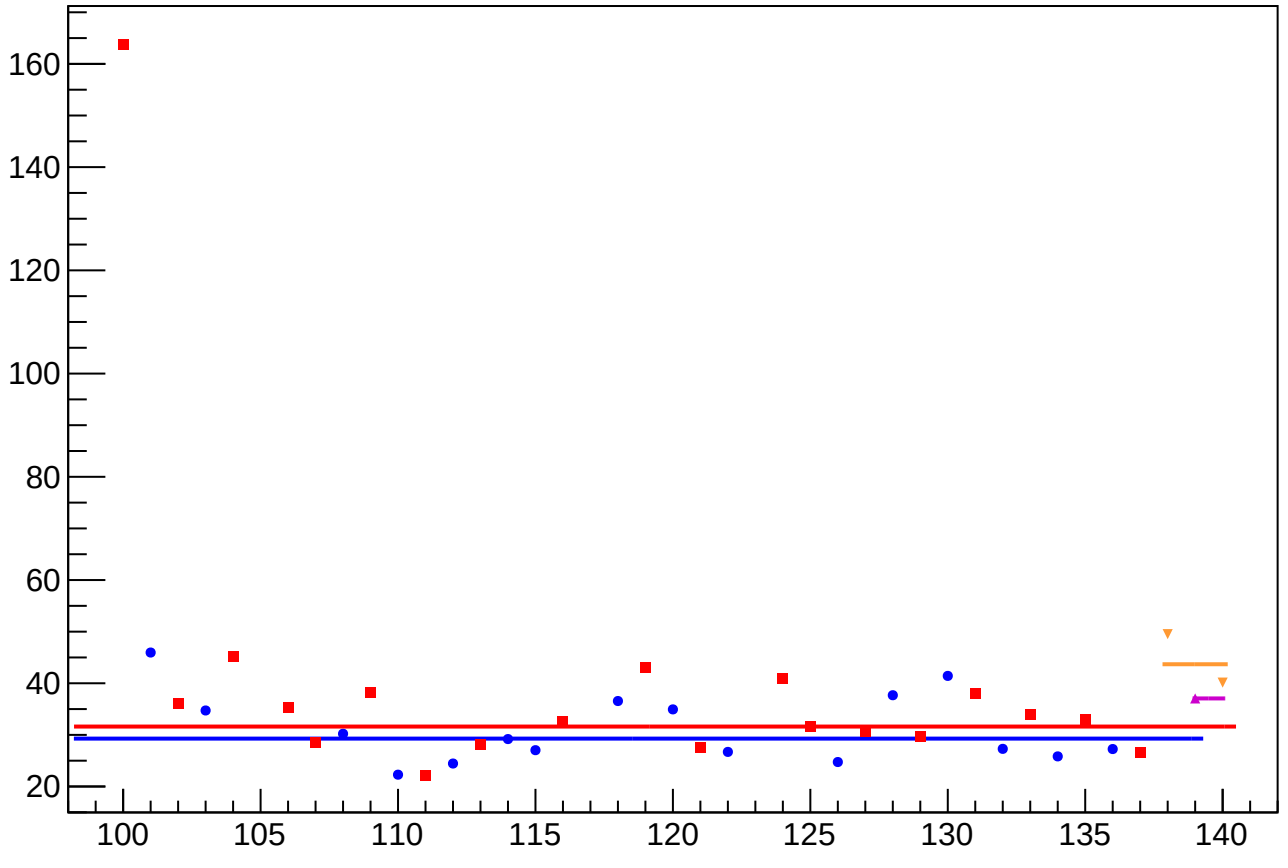
Left: 0.012+/-0.027 χ^2/NDF: 4.8/2

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.020+/-0.011 χ^2/NDF:19.7/16

Out: -0.009+/-0.011 χ^2/NDF:21.4/20

All: -0.015+/-0.008 χ^2/NDF: 41.5/37



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 43.685+/-0.025 χ^2/NDF:32992.1/1

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 37.061+/-0.029 χ^2/NDF:0.0/0

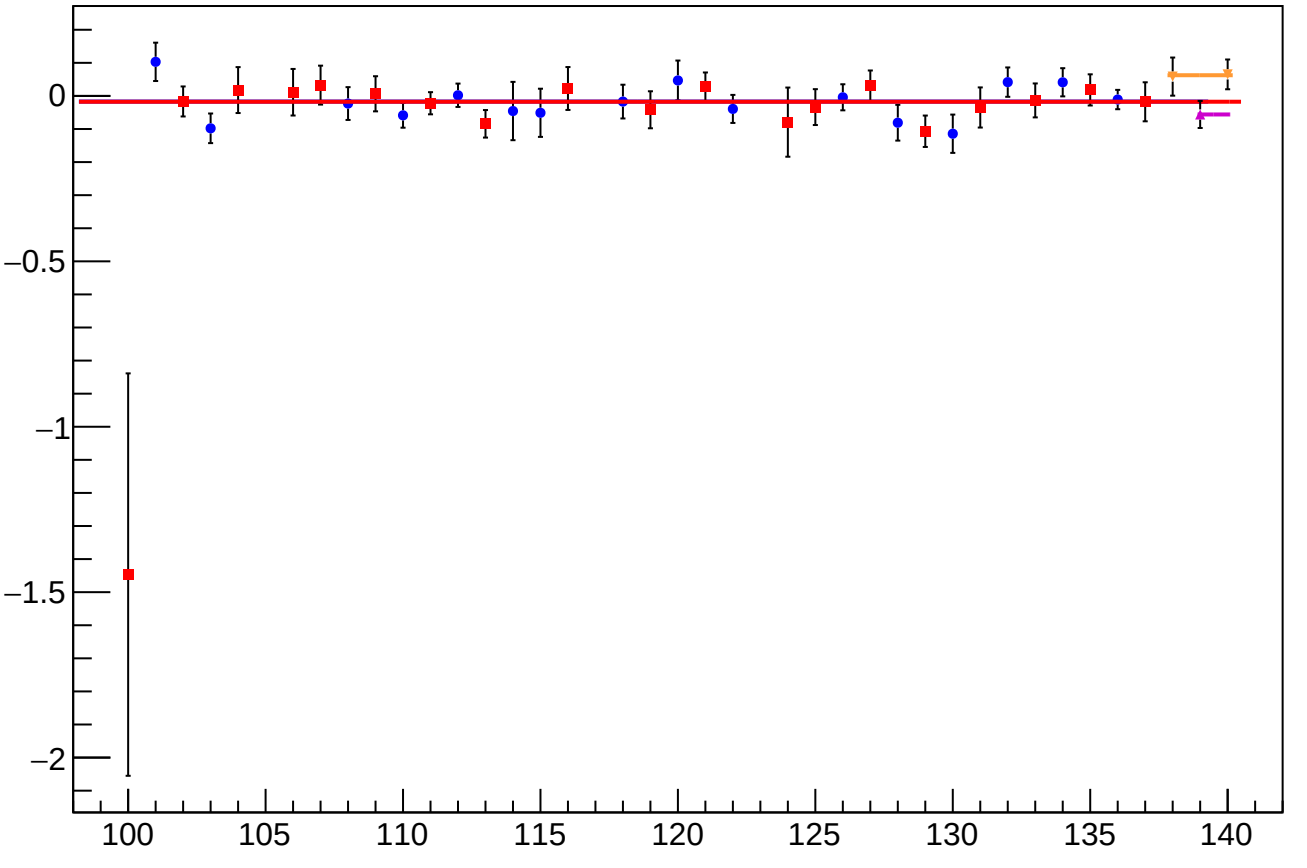
Left: 40.839+/-0.019 χ^2/NDF: 62975.5/2

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.836+/-0.008 χ^2/NDF:628046.0/16

Out: 32.872+/-0.008 χ^2/NDF:812795.7/20

All: 31.283+/-0.006 χ^2/NDF: 1514422.8/37



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.063+/-0.035 χ^2/NDF:0.0/1

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.056+/-0.041 χ^2/NDF:0.0/0

Left: 0.012+/-0.027 χ^2/NDF: 4.8/2

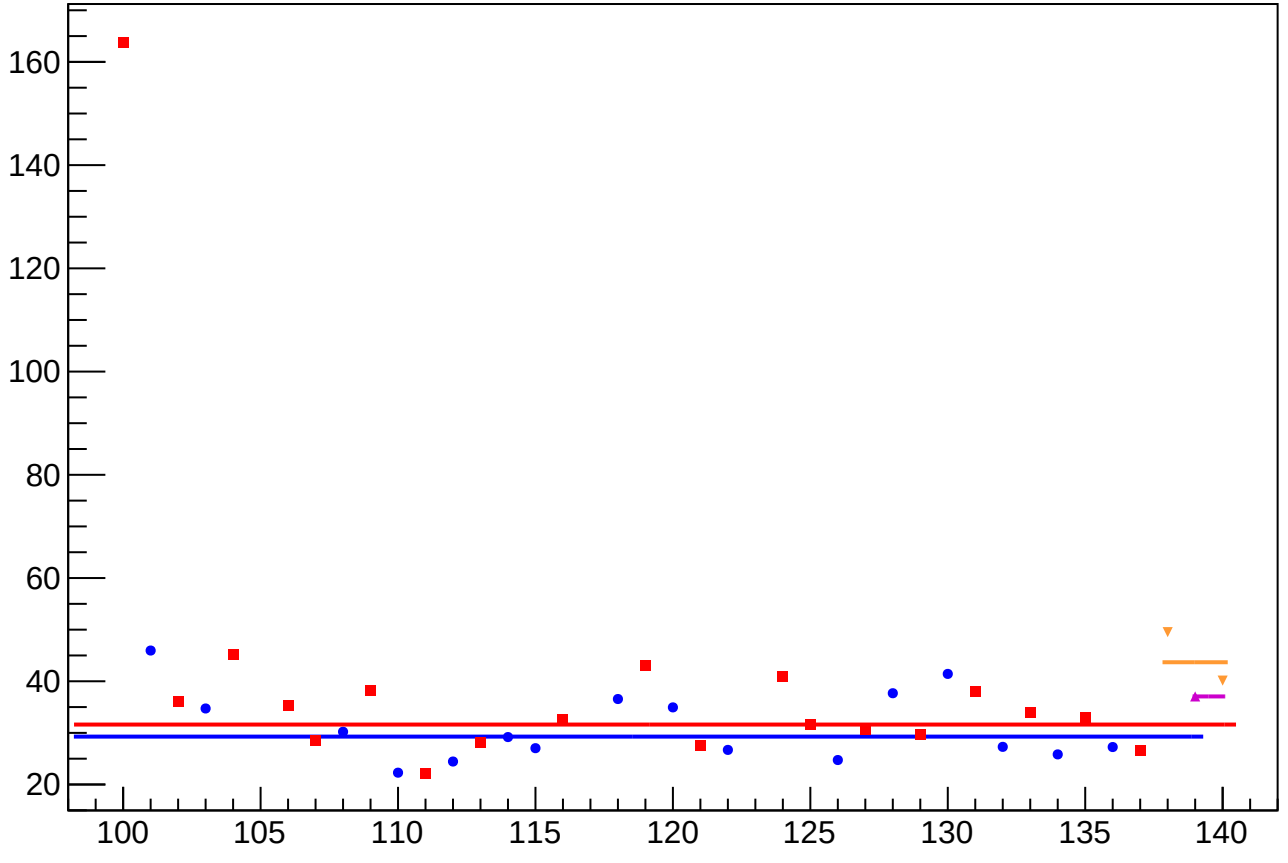
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.020+/-0.011 χ^2/NDF:19.7/16

Out: -0.009+/-0.011 χ^2/NDF:21.4/20

All: -0.015+/-0.008 χ^2/NDF: 41.5/37

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 43.685+/-0.025 χ^2/NDF:32992.1/1

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 37.061+/-0.029 χ^2/NDF:0.0/0

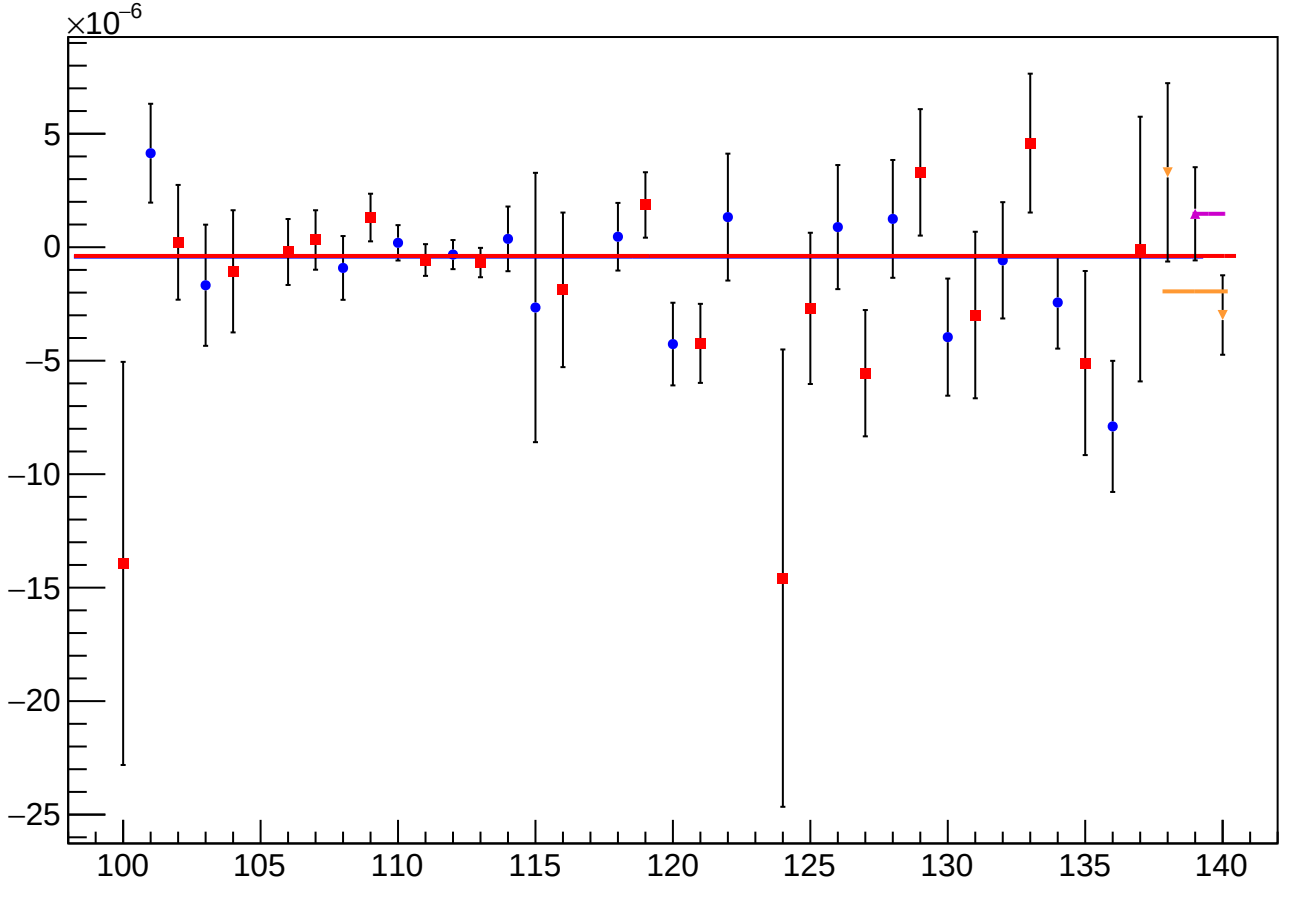
Left: 40.839+/-0.019 χ^2/NDF: 62975.5/2

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.836+/-0.008 χ^2/NDF:628046.0/16

Out: 32.872+/-0.008 χ^2/NDF:812795.7/20

All: 31.283+/-0.006 χ^2/NDF: 1514422.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

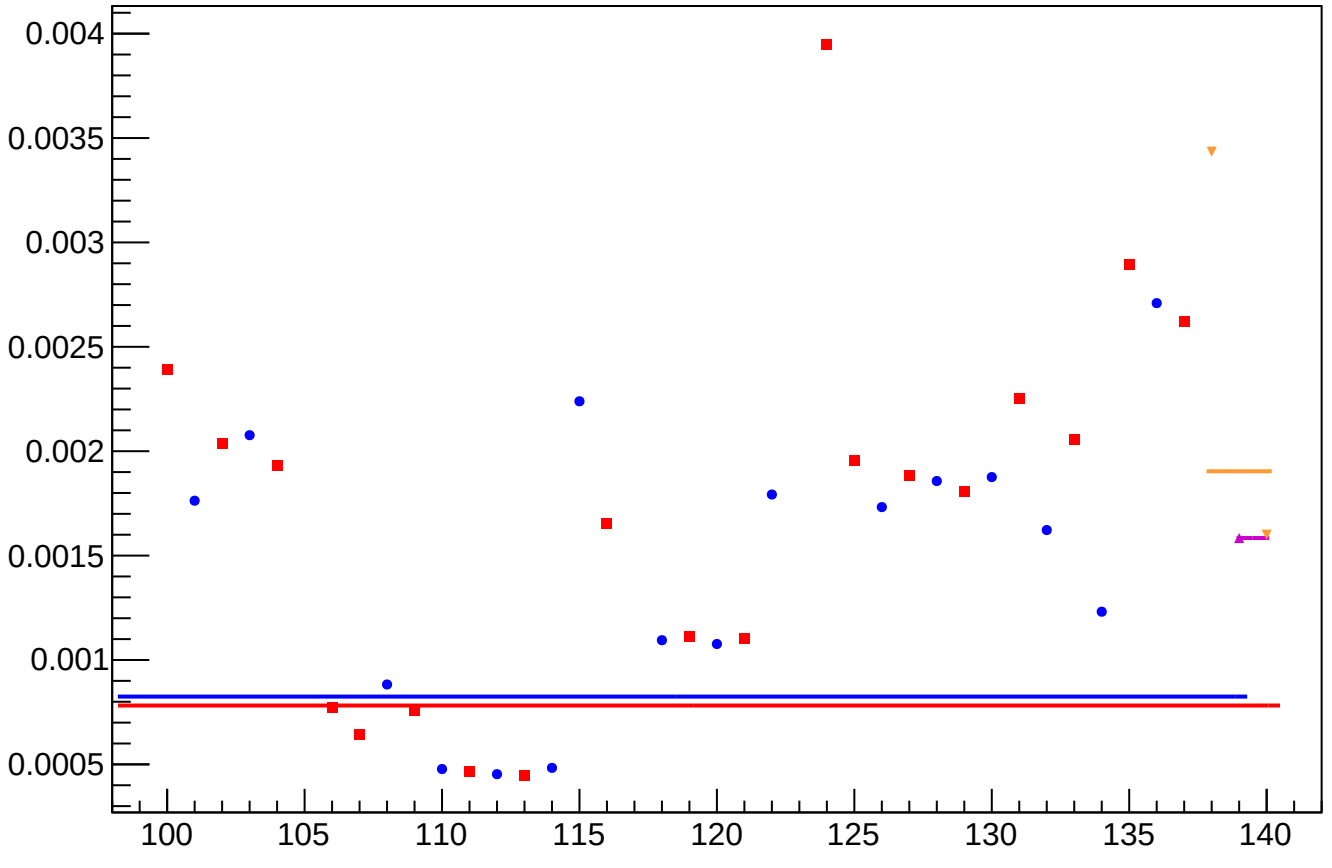
Left: -0.000+/-0.000 χ^2/NDF: 3.9/2

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:22.1/16

Out: -0.000+/-0.000 χ^2/NDF:28.3/20

All: -0.000+/-0.000 χ^2/NDF: 50.4/37



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:363628.6/1

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.002+/-0.000 χ^2/NDF:0.0/0

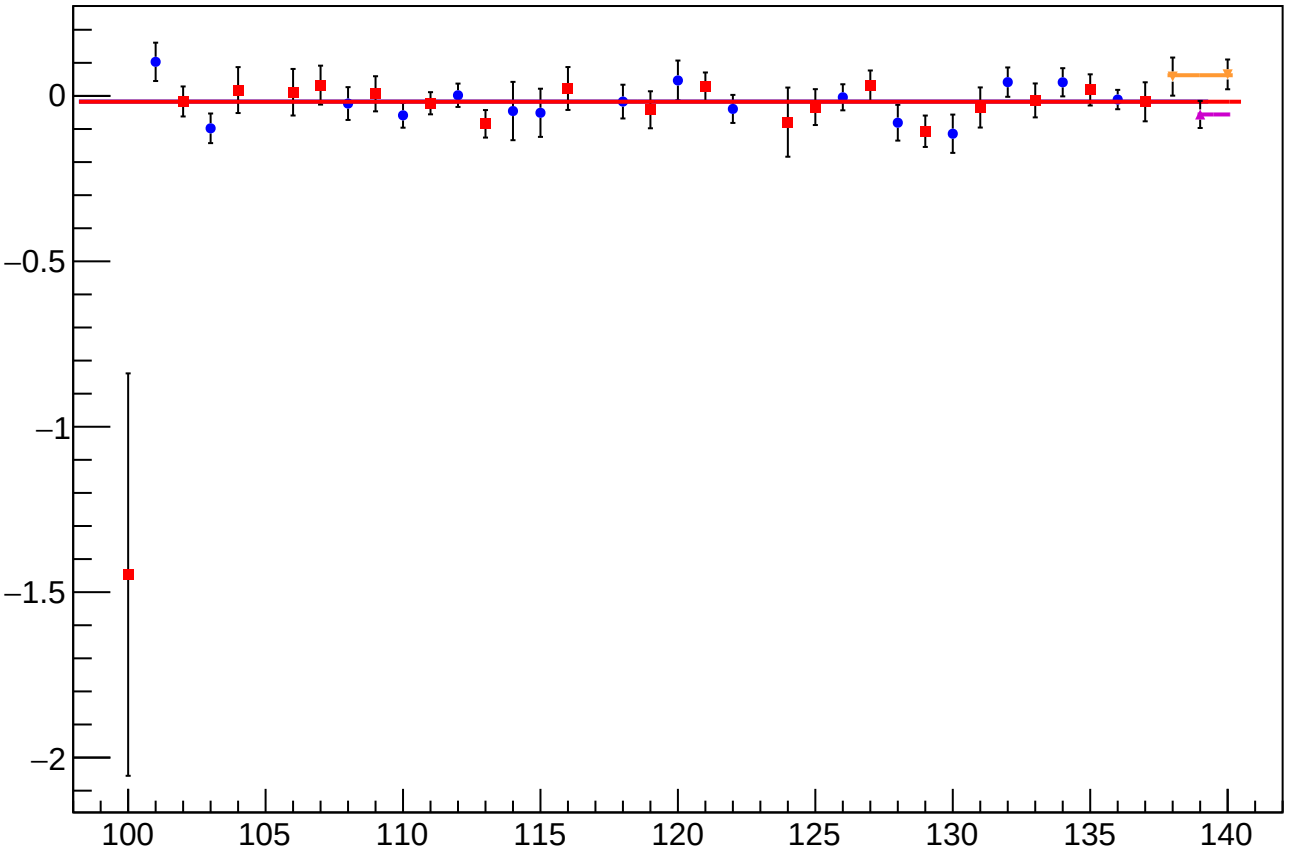
Left: 0.002+/-0.000 χ^2/NDF: 393804.9/2

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:4713705.0/16

Out: 0.001+/-0.000 χ^2/NDF:5941691.9/20

All: 0.001+/-0.000 χ^2/NDF: 10657410.6/37



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.063+/-0.035 χ^2/NDF:0.0/1

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.056+/-0.041 χ^2/NDF:0.0/0

Left: 0.012+/-0.027 χ^2/NDF: 4.8/2

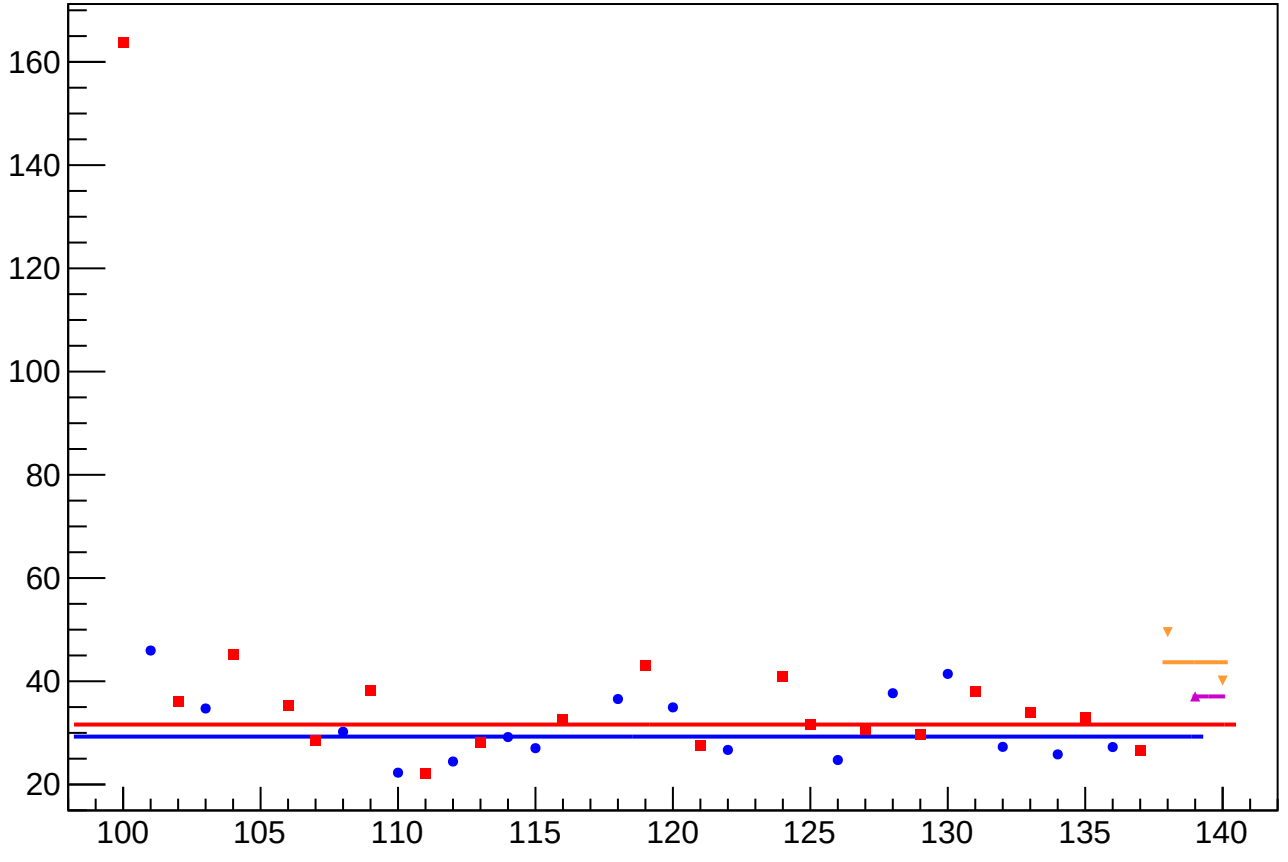
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.020+/-0.011 χ^2/NDF:19.7/16

Out: -0.009+/-0.011 χ^2/NDF:21.4/20

All: -0.015+/-0.008 χ^2/NDF: 41.5/37

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 43.685+/-0.025 χ^2/NDF:32992.8/1

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 37.061+/-0.029 χ^2/NDF:0.0/0

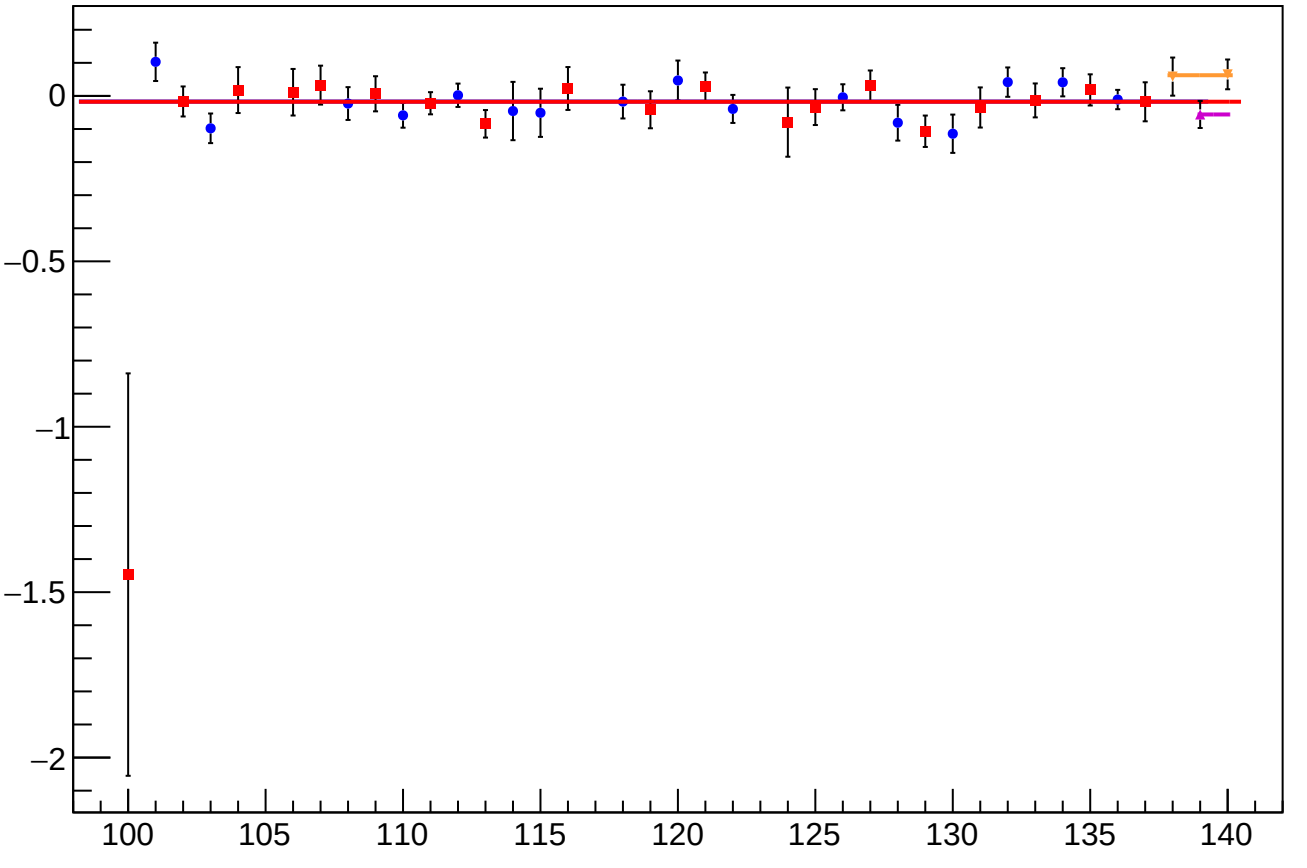
Left: 40.838+/-0.019 χ^2/NDF: 62977.3/2

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.836+/-0.008 χ^2/NDF:628032.3/16

Out: 32.872+/-0.008 χ^2/NDF:812763.8/20

All: 31.283+/-0.006 χ^2/NDF: 1514382.0/37



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.063+/-0.035 χ^2/NDF:0.0/1

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.056+/-0.041 χ^2/NDF:0.0/0

Left: 0.012+/-0.027 χ^2/NDF: 4.8/2

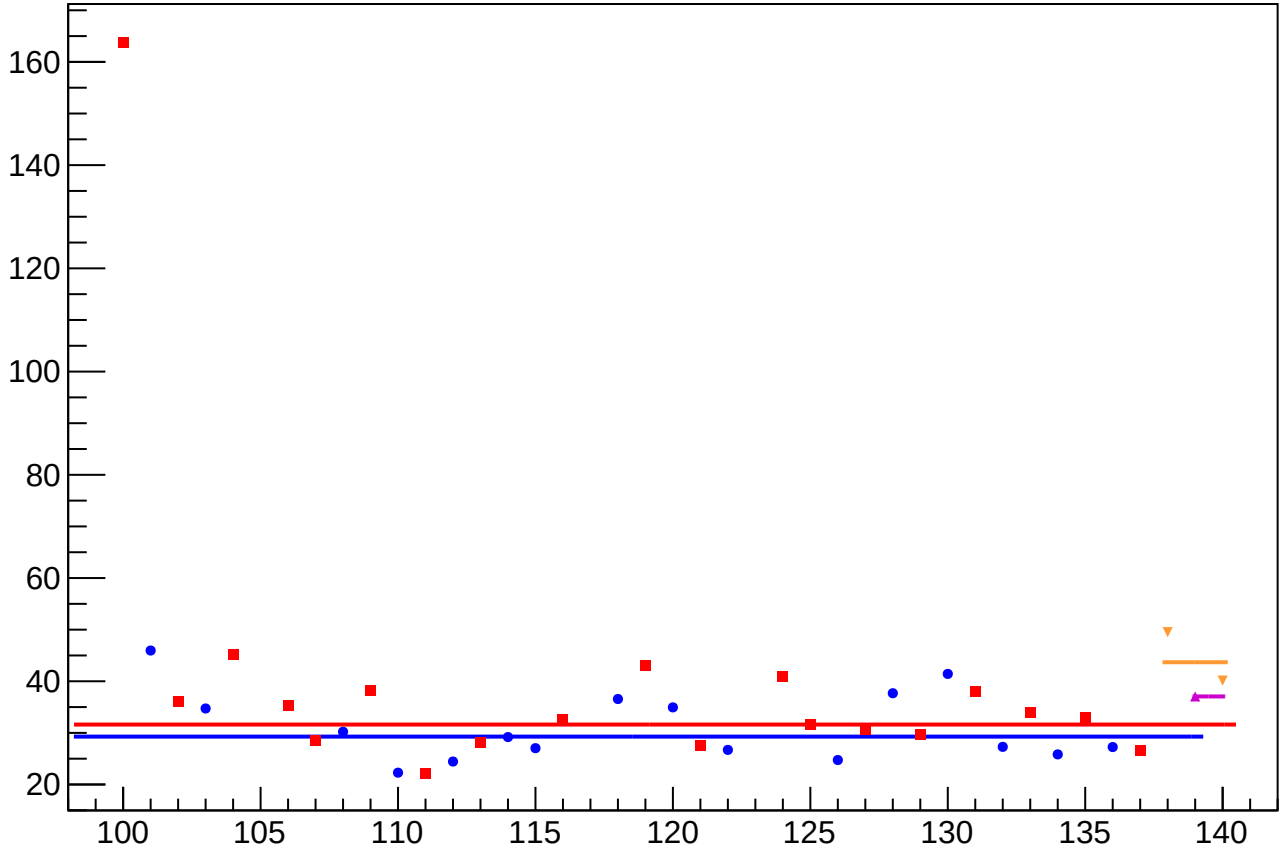
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.020+/-0.011 χ^2/NDF:19.7/16

Out: -0.009+/-0.011 χ^2/NDF:21.4/20

All: -0.015+/-0.008 χ^2/NDF: 41.5/37

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 43.685+/-0.025 χ^2/NDF:32992.8/1

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 37.061+/-0.029 χ^2/NDF:0.0/0

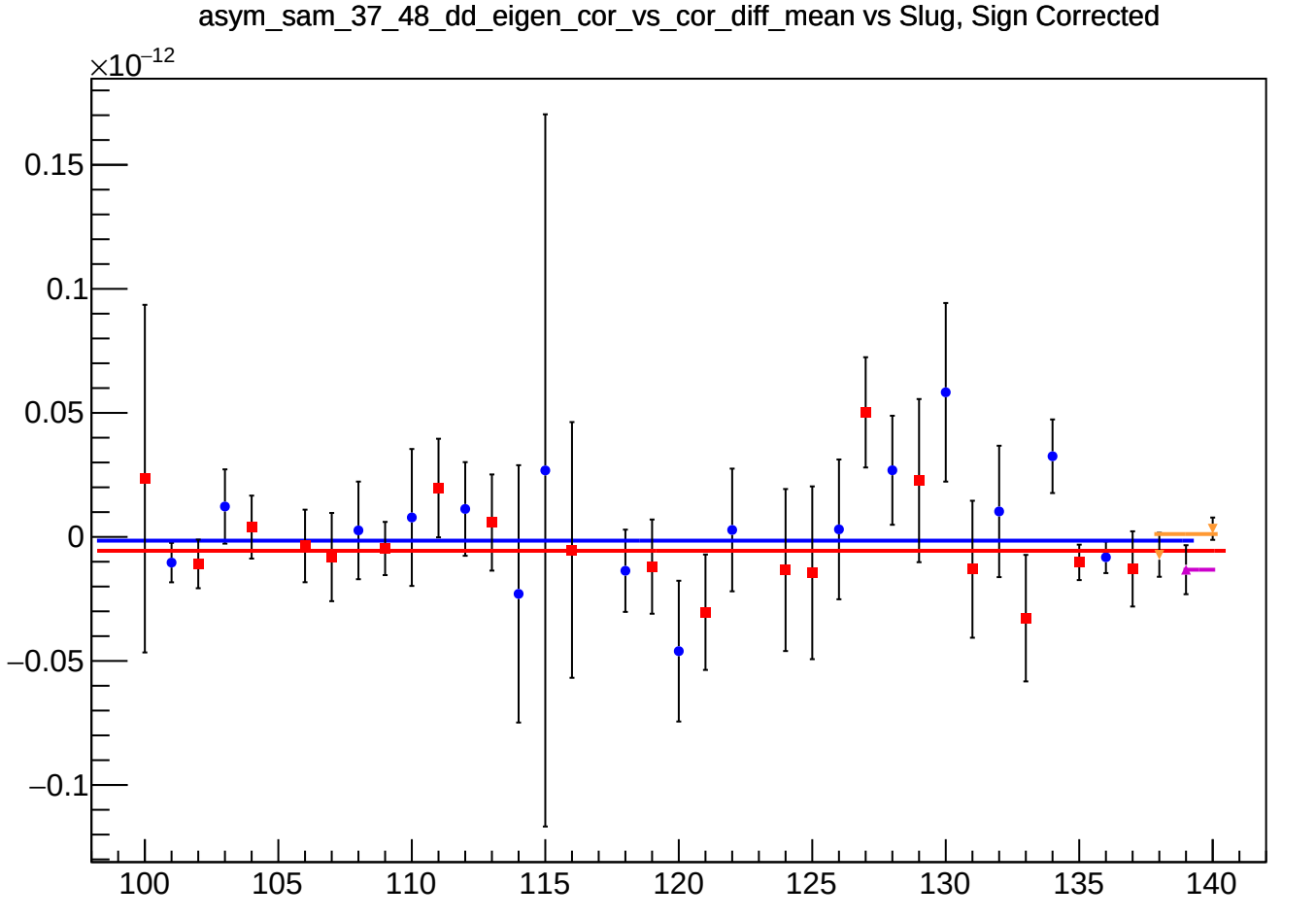
Left: 40.838+/-0.019 χ^2/NDF: 62977.3/2

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.836+/-0.008 χ^2/NDF:628032.3/16

Out: 32.872+/-0.008 χ^2/NDF:812763.8/20

All: 31.283+/-0.006 χ^2/NDF: 1514382.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

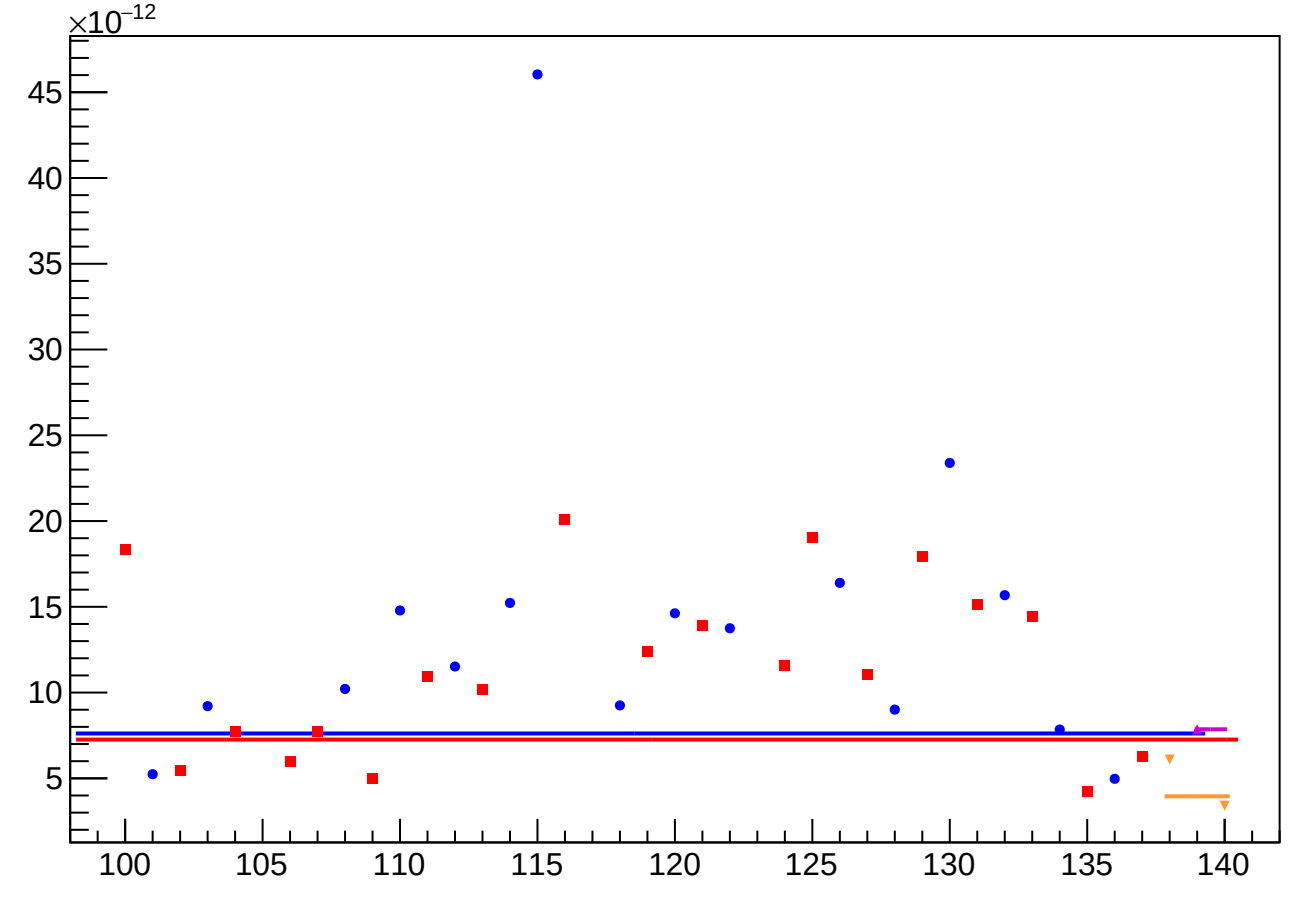
Left: -0.000+/-0.000 χ^2/NDF: 2.9/2

Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:18.2/16

Out: -0.000+/-0.000 χ^2/NDF:16.0/20

All: -0.000+/-0.000 χ^2/NDF: 34.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:146889.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

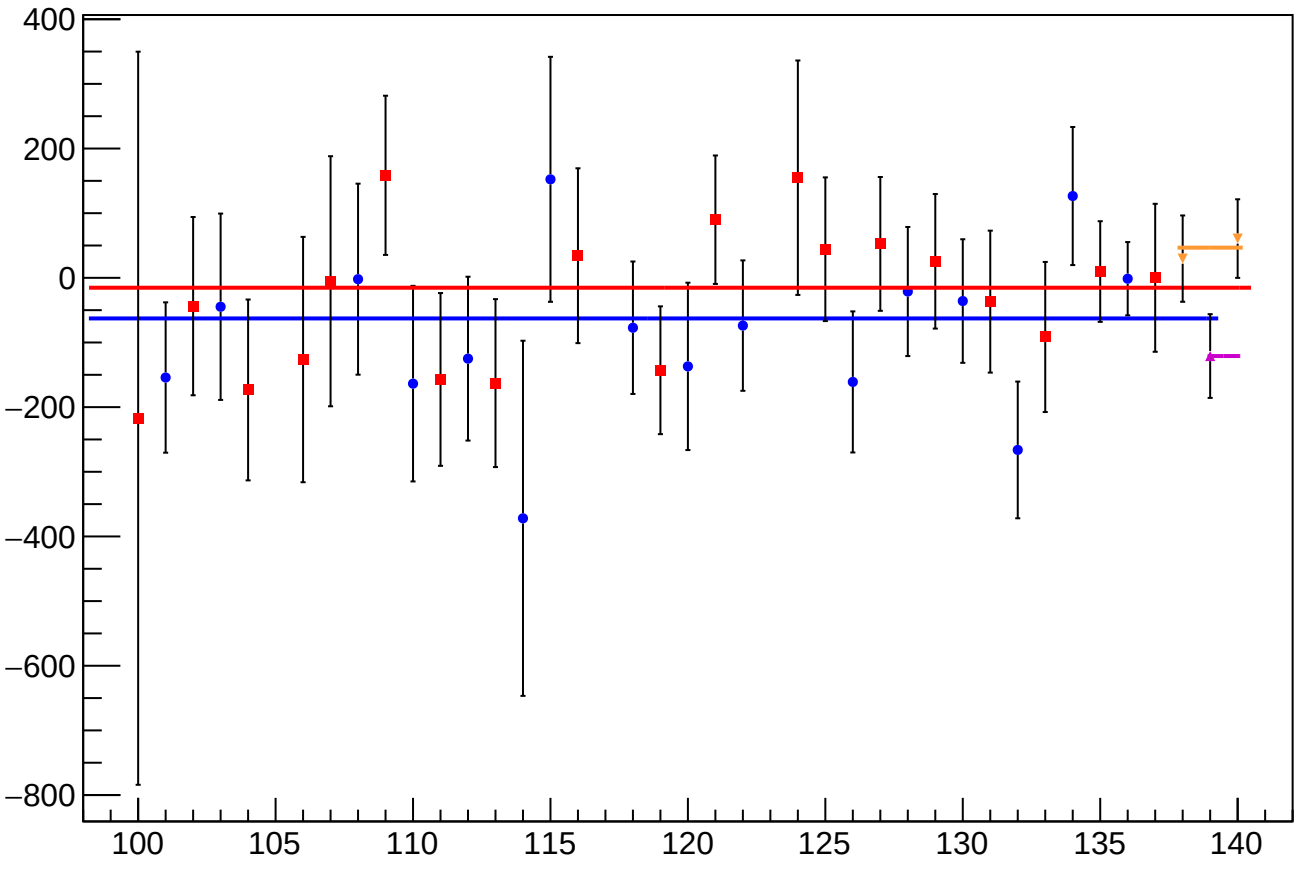
Left: 0.000+/-0.000 χ^2/NDF: 415582.8/2

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:2022366.2/16

Out: 0.000+/-0.000 χ^2/NDF:2888964.4/20

All: 0.000+/-0.000 χ^2/NDF: 5267251.7/37



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 46.671+/-44.936 χ^2/NDF:0.1/1

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -120.953+/-64.767 χ^2/NDF:0.0/0

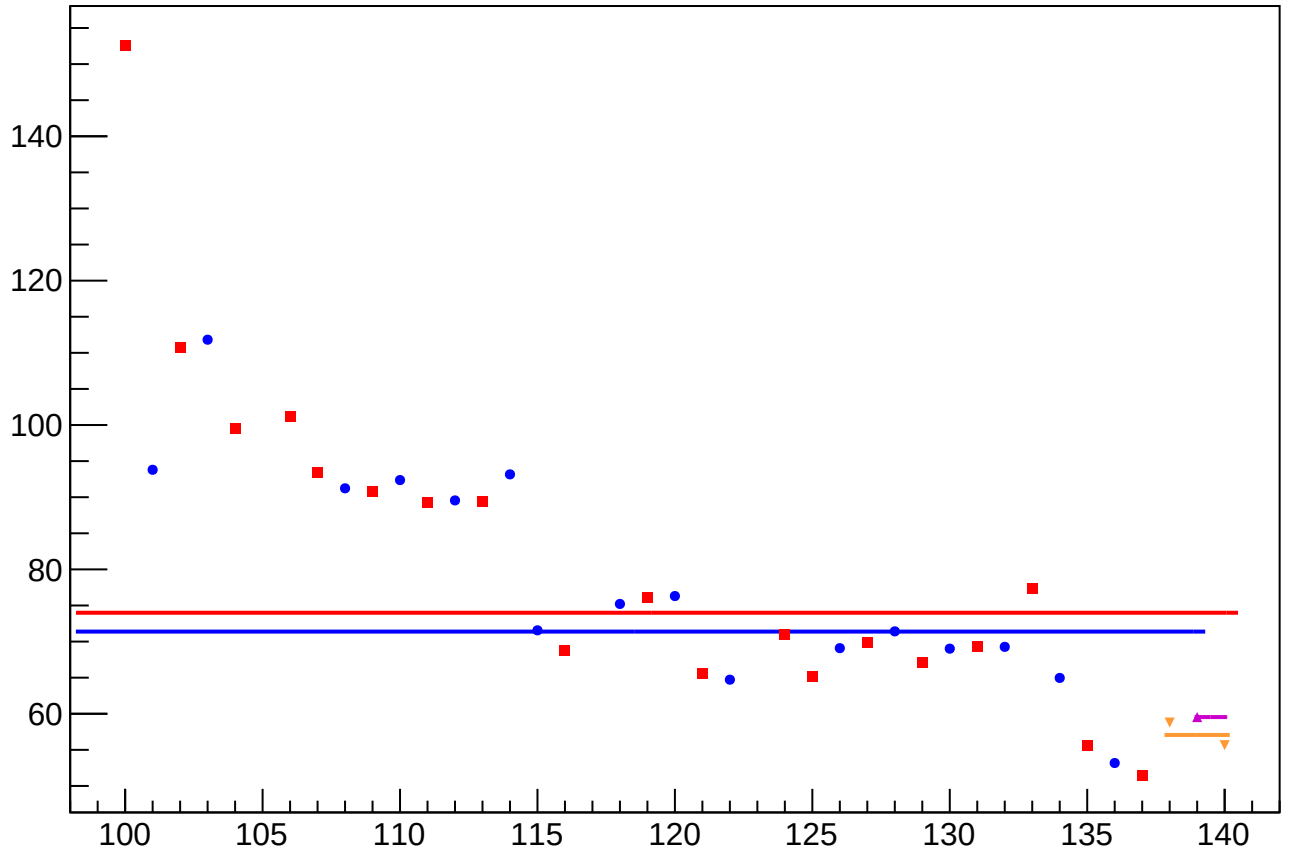
Left: -7.798+/-36.920 χ^2/NDF: 4.6/2

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -71.524+/-25.088 χ^2/NDF:14.2/16

Out: 1.836+/-23.623 χ^2/NDF:13.0/20

All: -32.639+/-17.199 χ^2/NDF: 31.7/37



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 57.065+/-0.032 χ^2/NDF:2415.0/1

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 59.542+/-0.046 χ^2/NDF:0.0/0

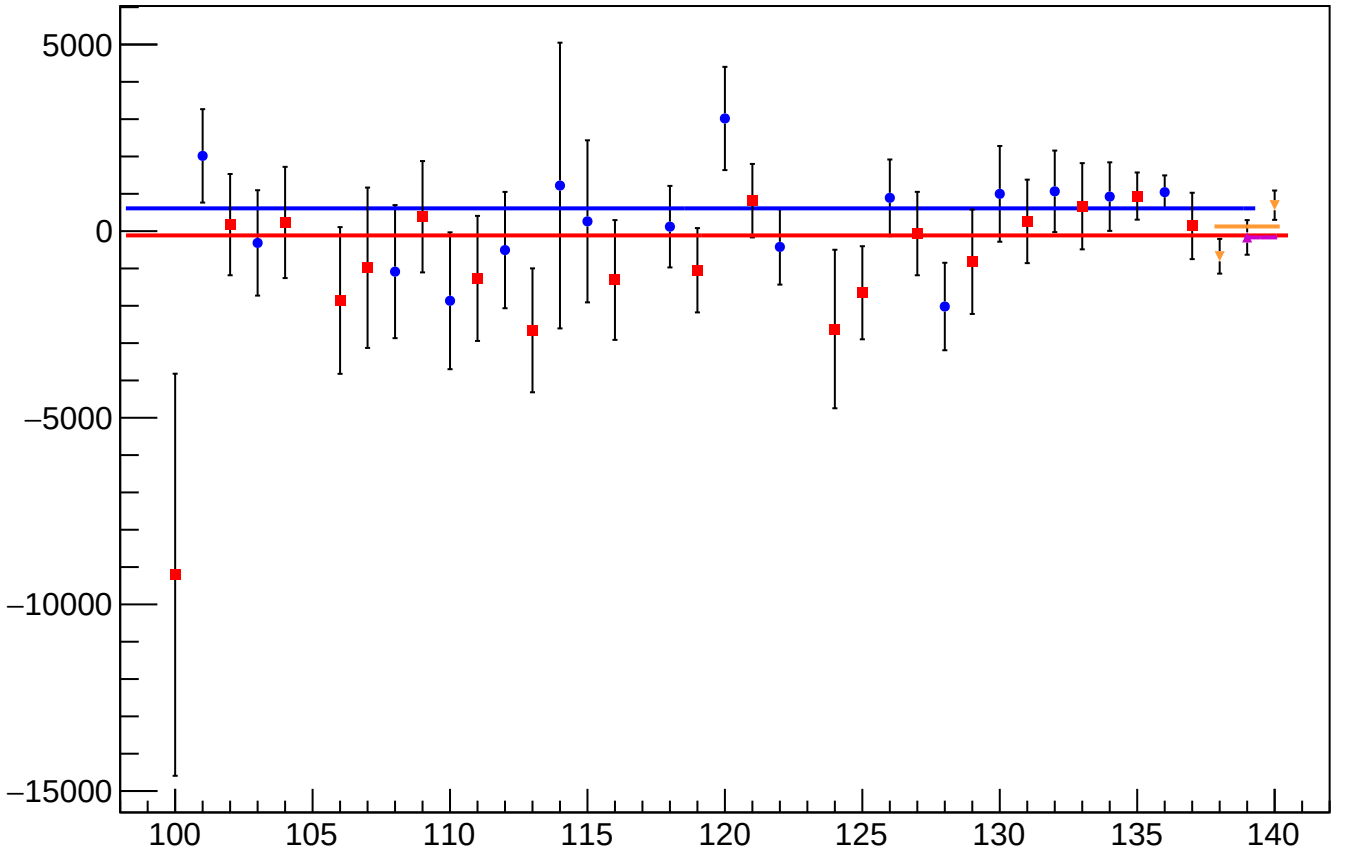
Left: 57.870+/-0.026 χ^2/NDF: 4388.9/2

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 69.606+/-0.018 χ^2/NDF:647735.0/16

Out: 69.315+/-0.017 χ^2/NDF:846262.3/20

All: 69.452+/-0.012 χ^2/NDF: 1494140.1/37



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 124.850+/-300.224 χ^2/NDF:5.0/1

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -168.188+/-464.062 χ^2/NDF:0.0/0

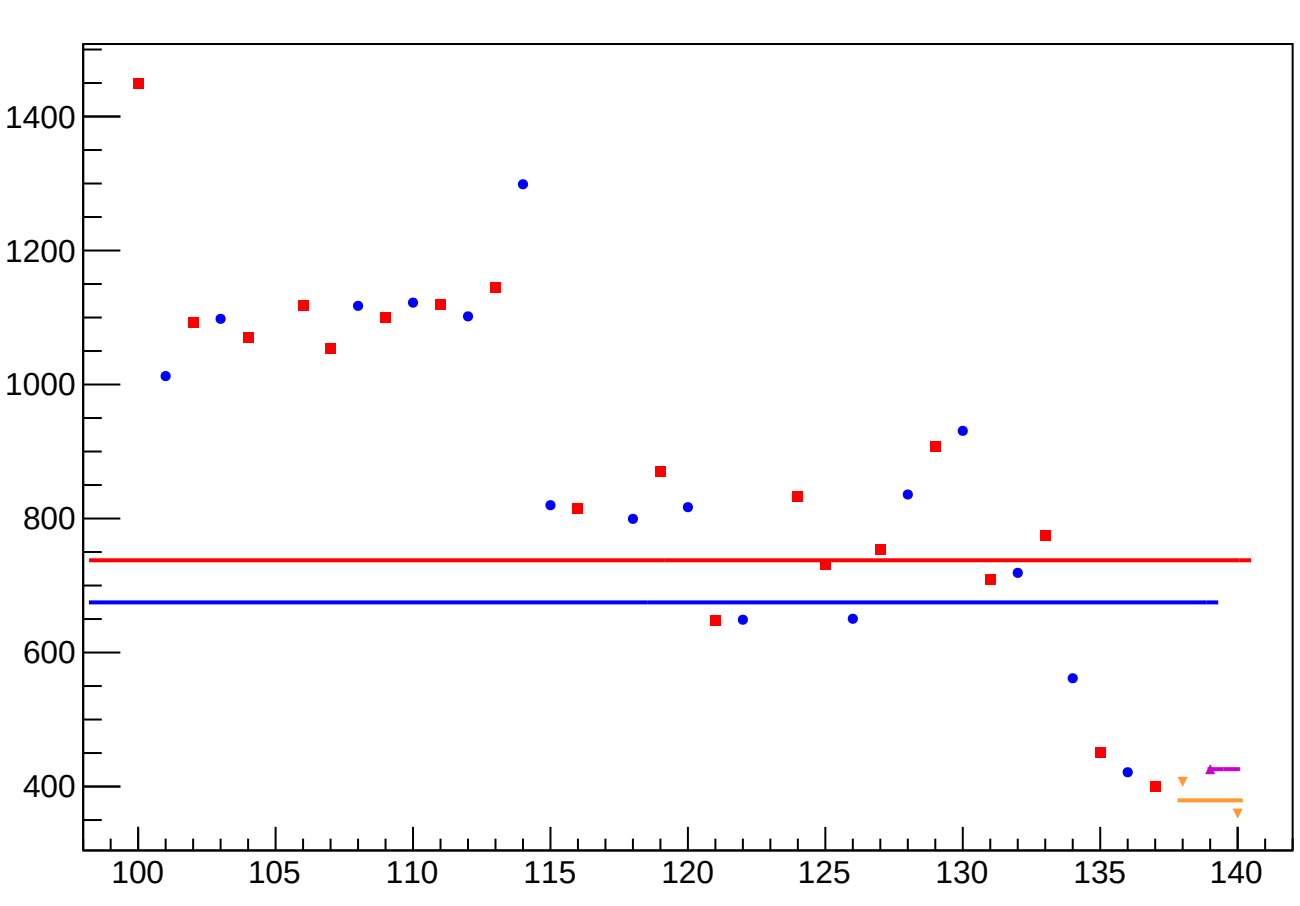
Left: 38.389+/-252.072 χ^2/NDF: 5.3/2

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 417.099+/-231.300 χ^2/NDF:17.8/16

Out: -1.406+/-206.435 χ^2/NDF:20.9/20

All: 184.151+/-154.015 χ^2/NDF: 40.6/37



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 379.381+/-0.212 χ^2/NDF:12159.7/1

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 425.949+/-0.328 χ^2/NDF:0.0/0

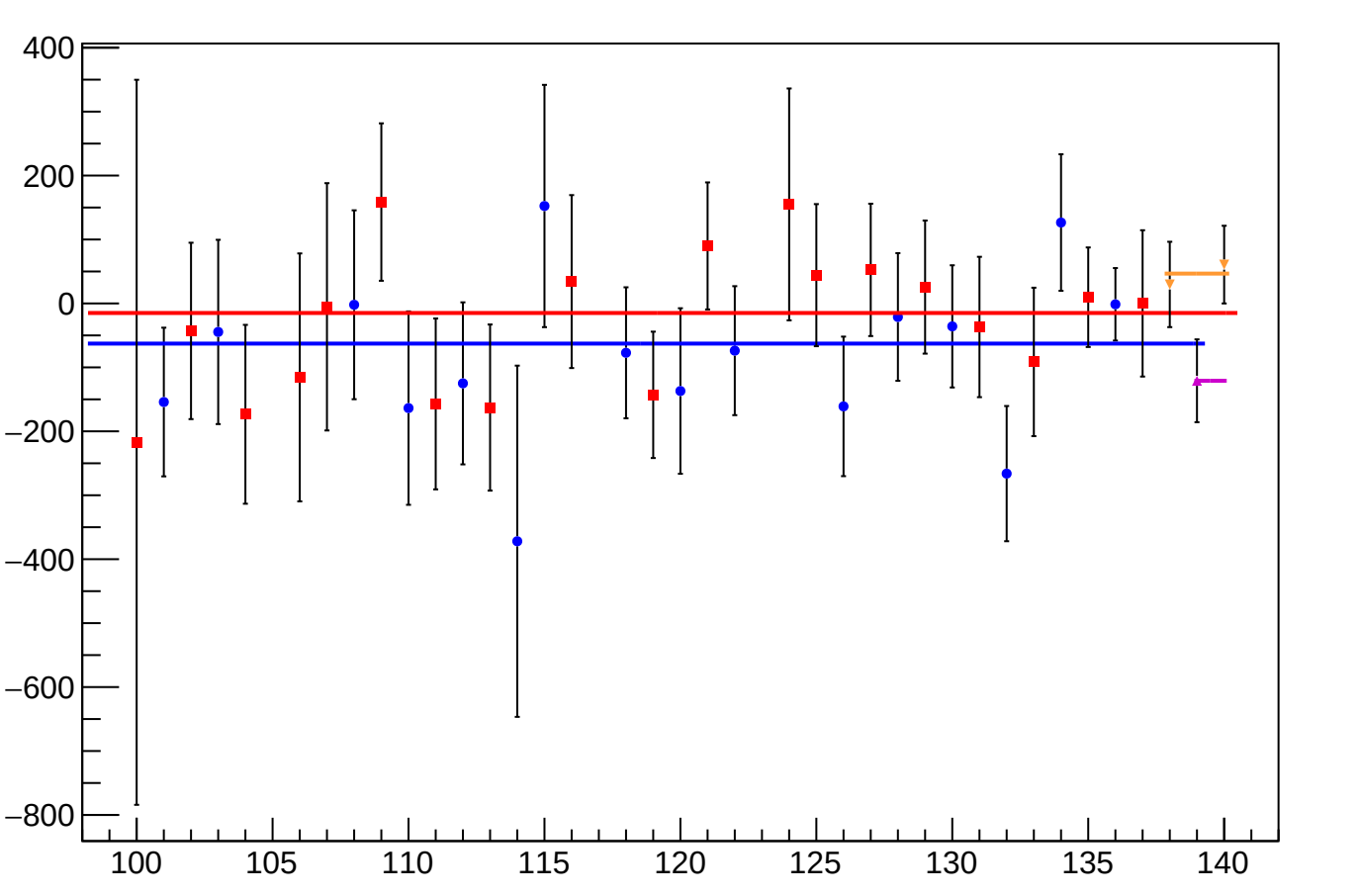
Left: 393.121+/-0.178 χ^2/NDF: 26357.5/2

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 613.002+/-0.164 χ^2/NDF:2049945.1/16

Out: 568.274+/-0.146 χ^2/NDF:3030640.1/20

All: 588.105+/-0.109 χ^2/NDF: 5122214.0/37



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 46.672+/-44.936 χ^2/NDF:0.1/1

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -120.964+/-64.767 χ^2/NDF:0.0/0

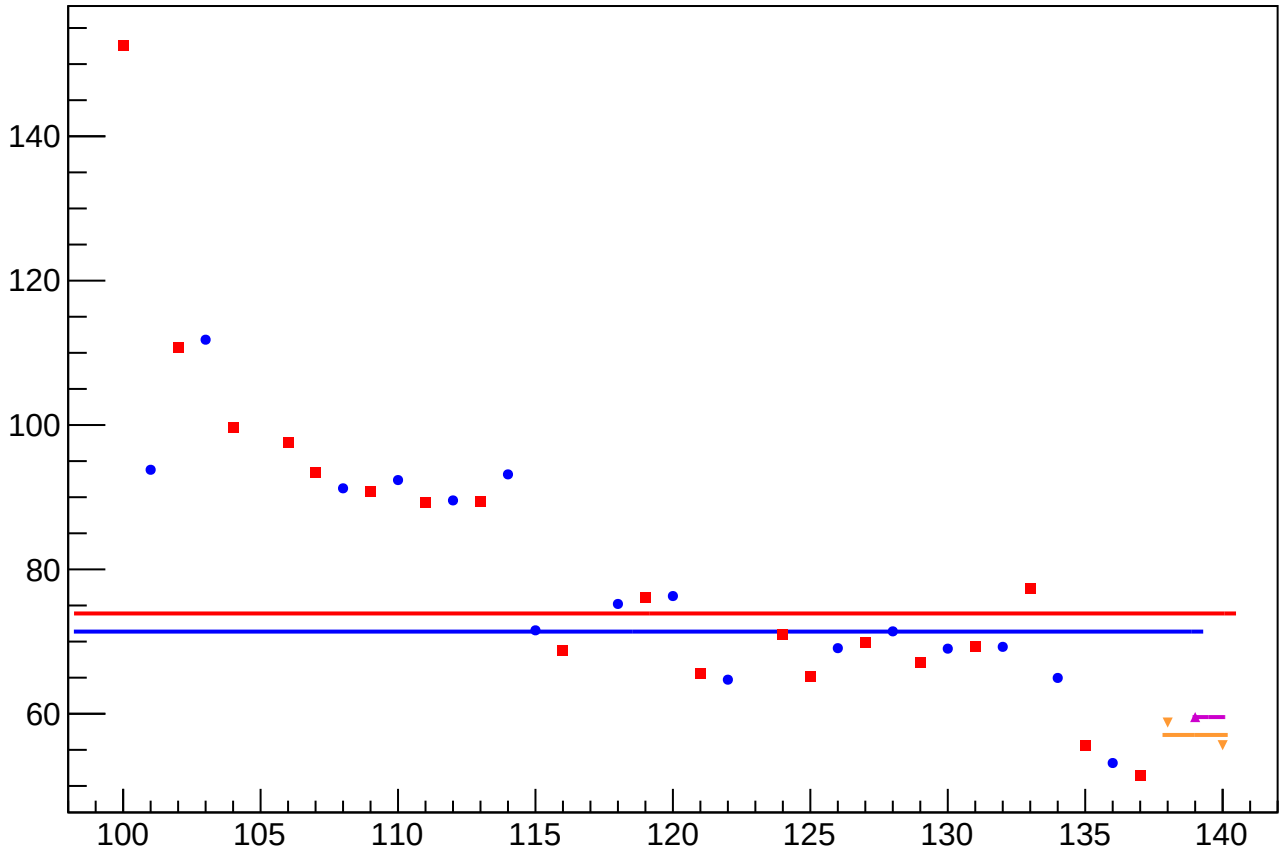
Left: -7.802+/-36.920 χ^2/NDF: 4.6/2

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -71.519+/-25.088 χ^2/NDF:14.2/16

Out: 2.105+/-23.631 χ^2/NDF:12.9/20

All: -32.506+/-17.202 χ^2/NDF: 31.6/37



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 57.065+/-0.032 χ^2/NDF:2415.0/1

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 59.542+/-0.046 χ^2/NDF:0.0/0

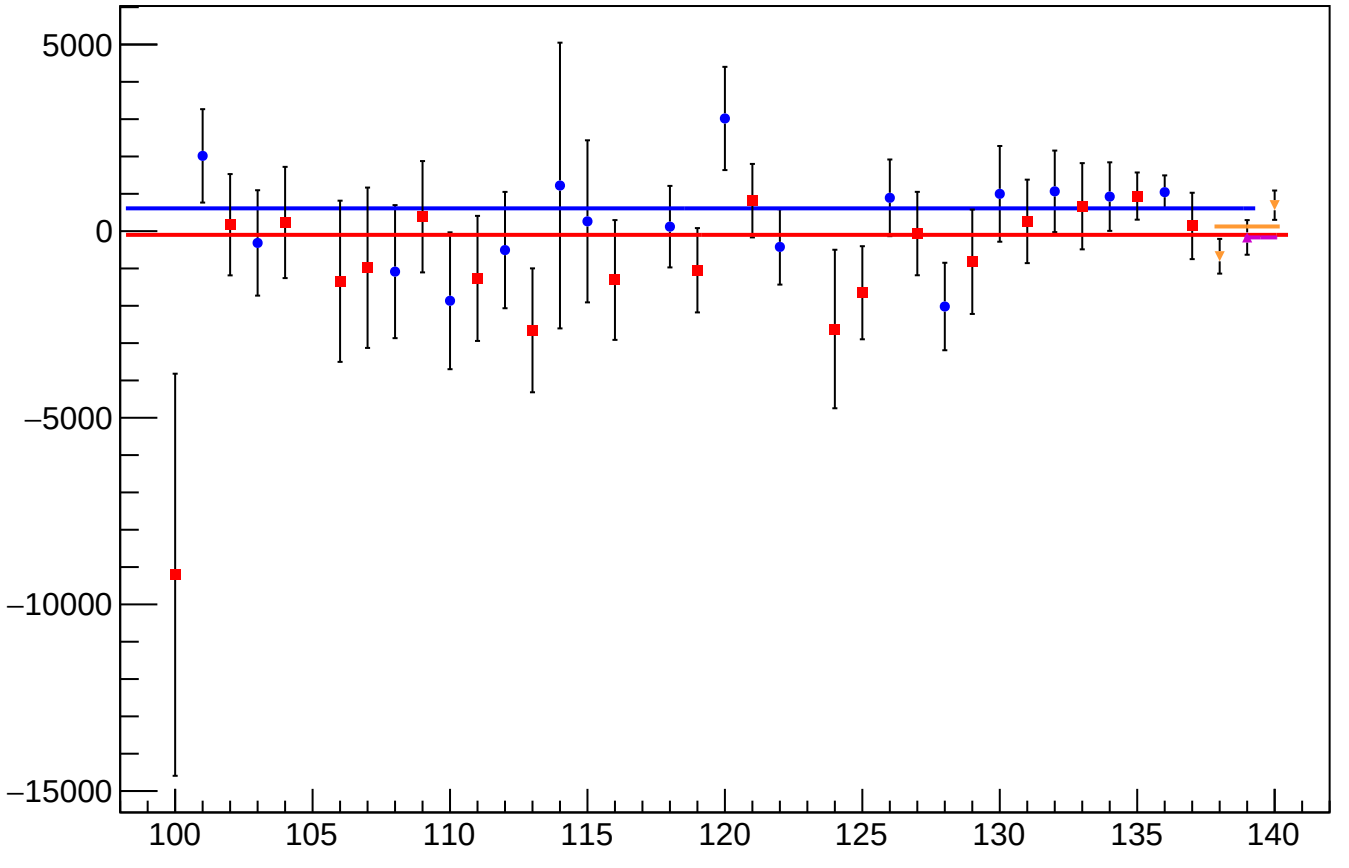
Left: 57.870+/-0.026 χ^2/NDF: 4388.9/2

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 69.606+/-0.018 χ^2/NDF:647737.5/16

Out: 69.240+/-0.017 χ^2/NDF:832364.2/20

All: 69.412+/-0.012 χ^2/NDF: 1480327.9/37



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 124.861+/-300.224 χ^2/NDF:5.0/1

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -168.200+/-464.062 χ^2/NDF:0.0/0

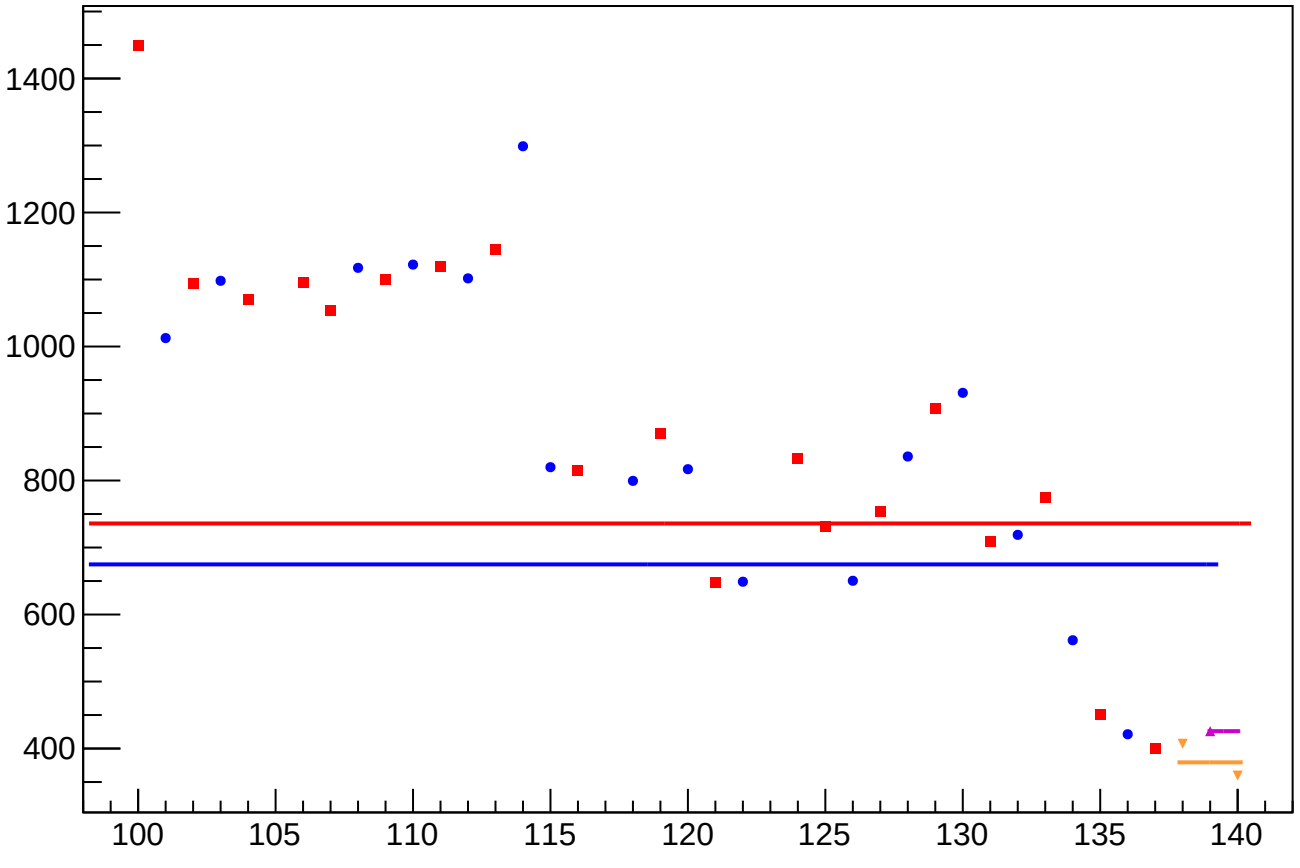
Left: 38.393+/-252.072 χ^2/NDF: 5.3/2

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 417.087+/-231.300 χ^2/NDF:17.8/16

Out: 6.752+/-206.634 χ^2/NDF:20.4/20

All: 188.881+/-154.097 χ^2/NDF: 40.0/37



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 379.381+/-0.212 χ^2/NDF:12160.1/1

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 425.949+/-0.328 χ^2/NDF:0.0/0

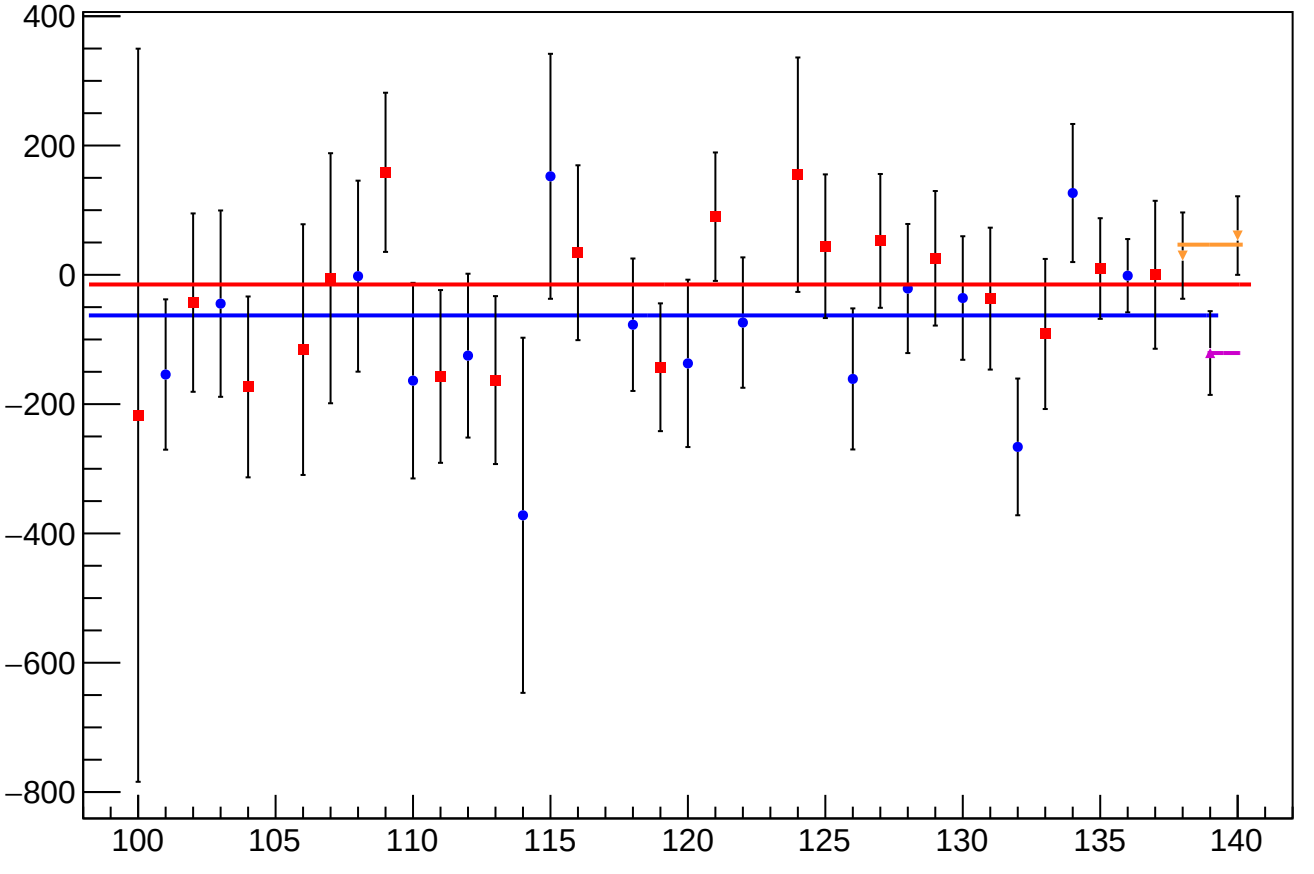
Left: 393.121+/-0.178 χ^2/NDF: 26357.9/2

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 613.002+/-0.164 χ^2/NDF:2049971.4/16

Out: 567.024+/-0.146 χ^2/NDF:2993630.1/20

All: 587.432+/-0.109 χ^2/NDF: 5087551.2/37



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 46.672+/-44.936 χ^2/NDF:0.1/1

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -120.964+/-64.767 χ^2/NDF:0.0/0

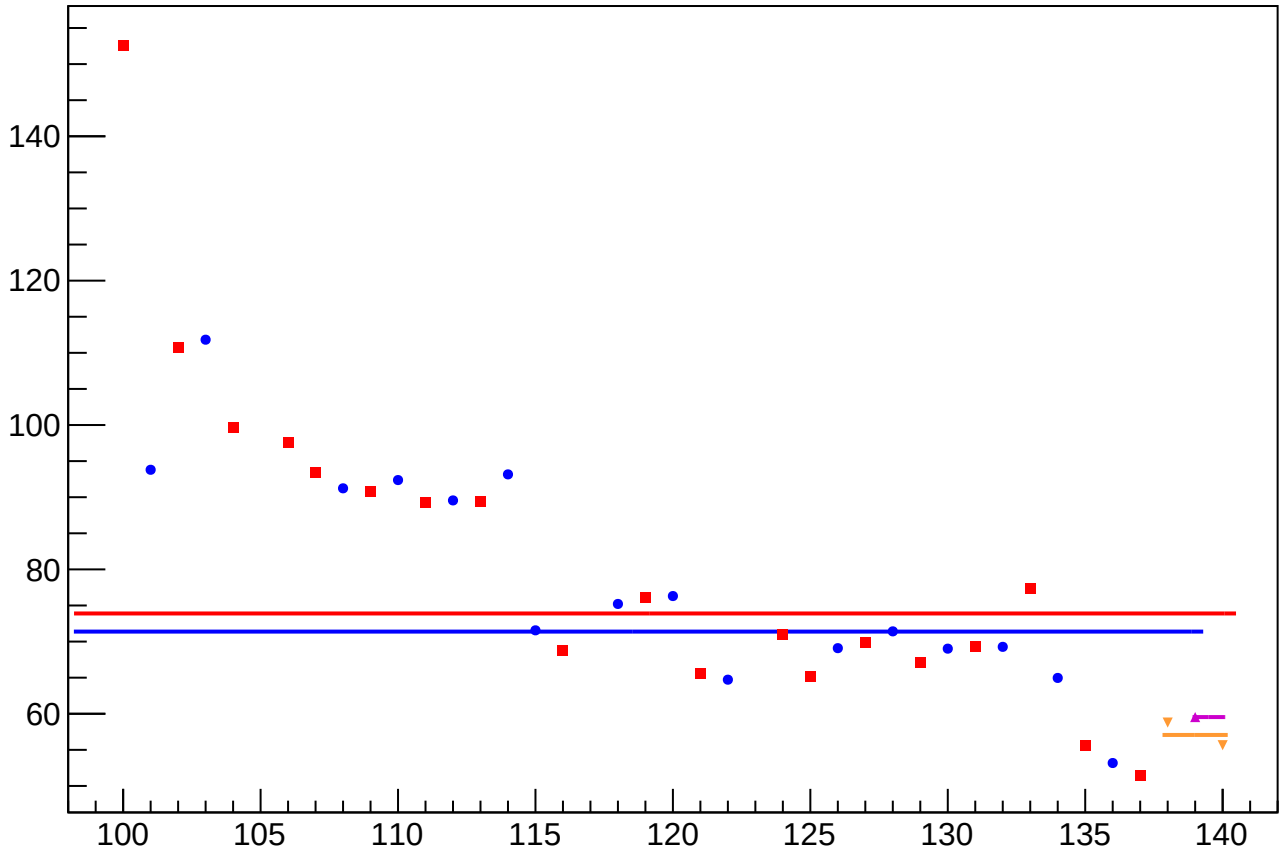
Left: -7.802+/-36.920 χ^2/NDF: 4.6/2

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -71.519+/-25.088 χ^2/NDF:14.2/16

Out: 2.105+/-23.631 χ^2/NDF:12.9/20

All: -32.506+/-17.202 χ^2/NDF: 31.6/37



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 57.065+/-0.032 χ^2/NDF:2415.0/1

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 59.542+/-0.046 χ^2/NDF:0.0/0

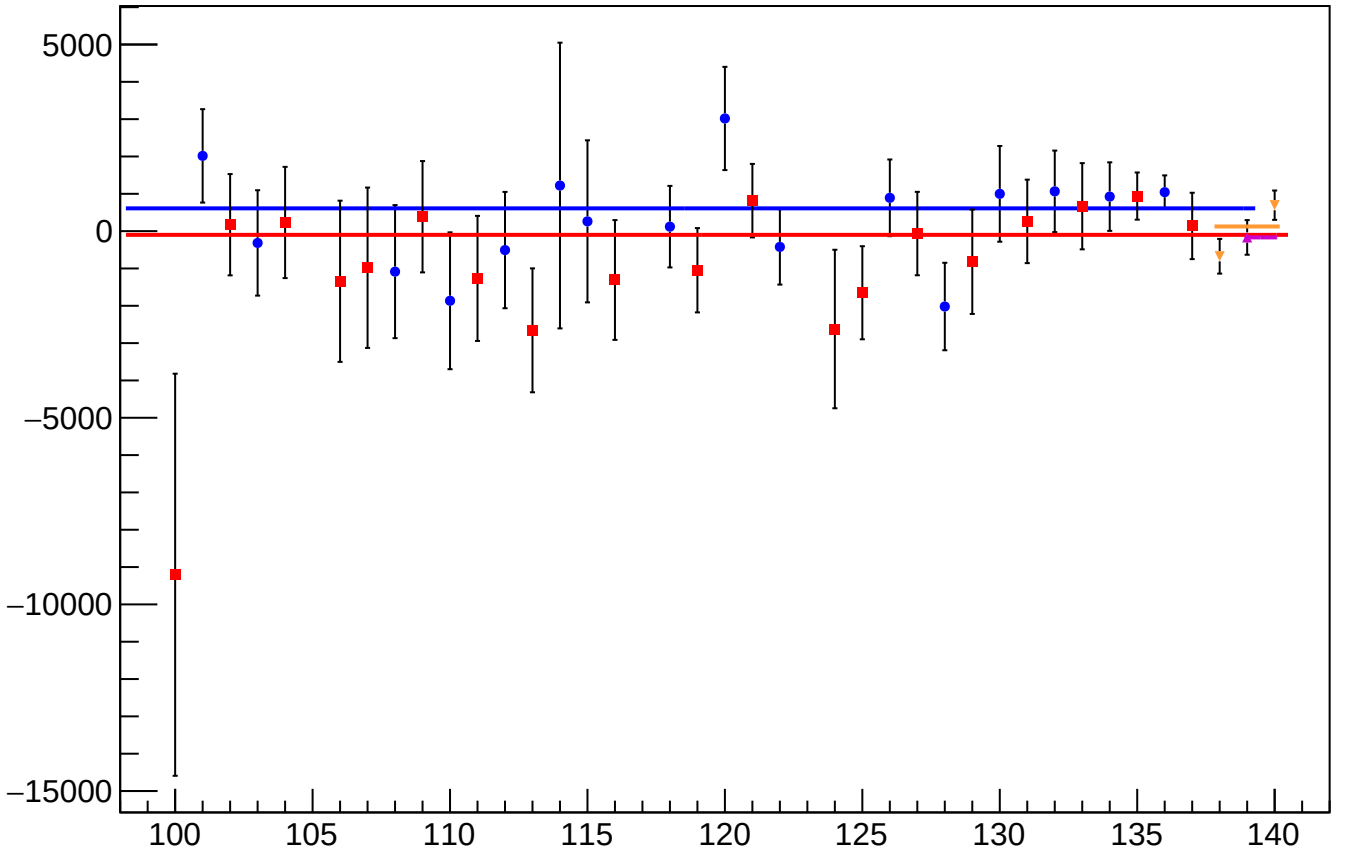
Left: 57.870+/-0.026 χ^2/NDF: 4388.9/2

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 69.606+/-0.018 χ^2/NDF:647737.5/16

Out: 69.240+/-0.017 χ^2/NDF:832364.2/20

All: 69.412+/-0.012 χ^2/NDF: 1480327.9/37



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 124.861+/-300.224 χ^2/NDF:5.0/1

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -168.200+/-464.062 χ^2/NDF:0.0/0

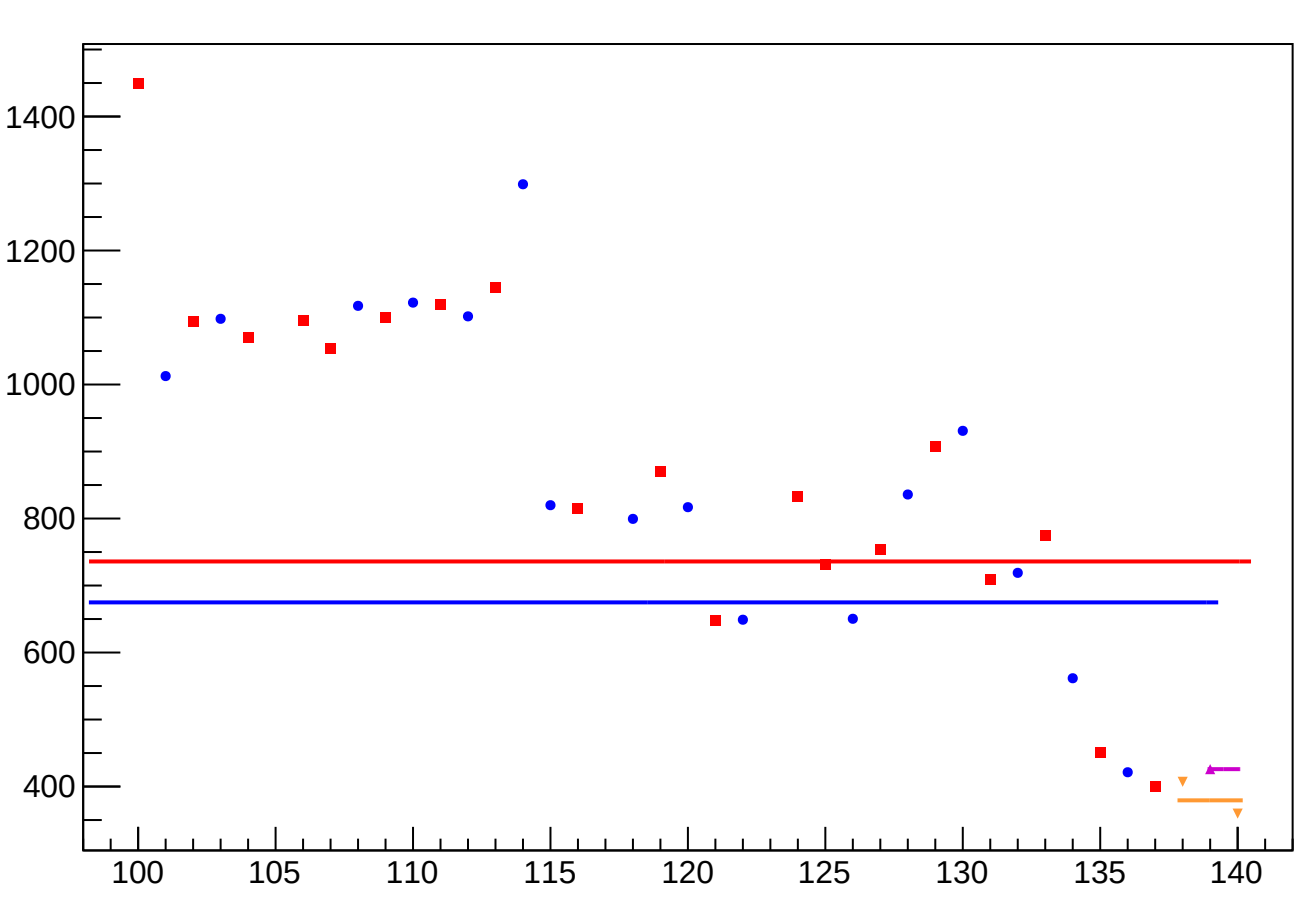
Left: 38.393+/-252.072 χ^2/NDF: 5.3/2

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 417.087+/-231.300 χ^2/NDF:17.8/16

Out: 6.752+/-206.634 χ^2/NDF:20.4/20

All: 188.881+/-154.097 χ^2/NDF: 40.0/37



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 379.381+/-0.212 χ^2/NDF:12160.1/1

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 425.949+/-0.328 χ^2/NDF:0.0/0

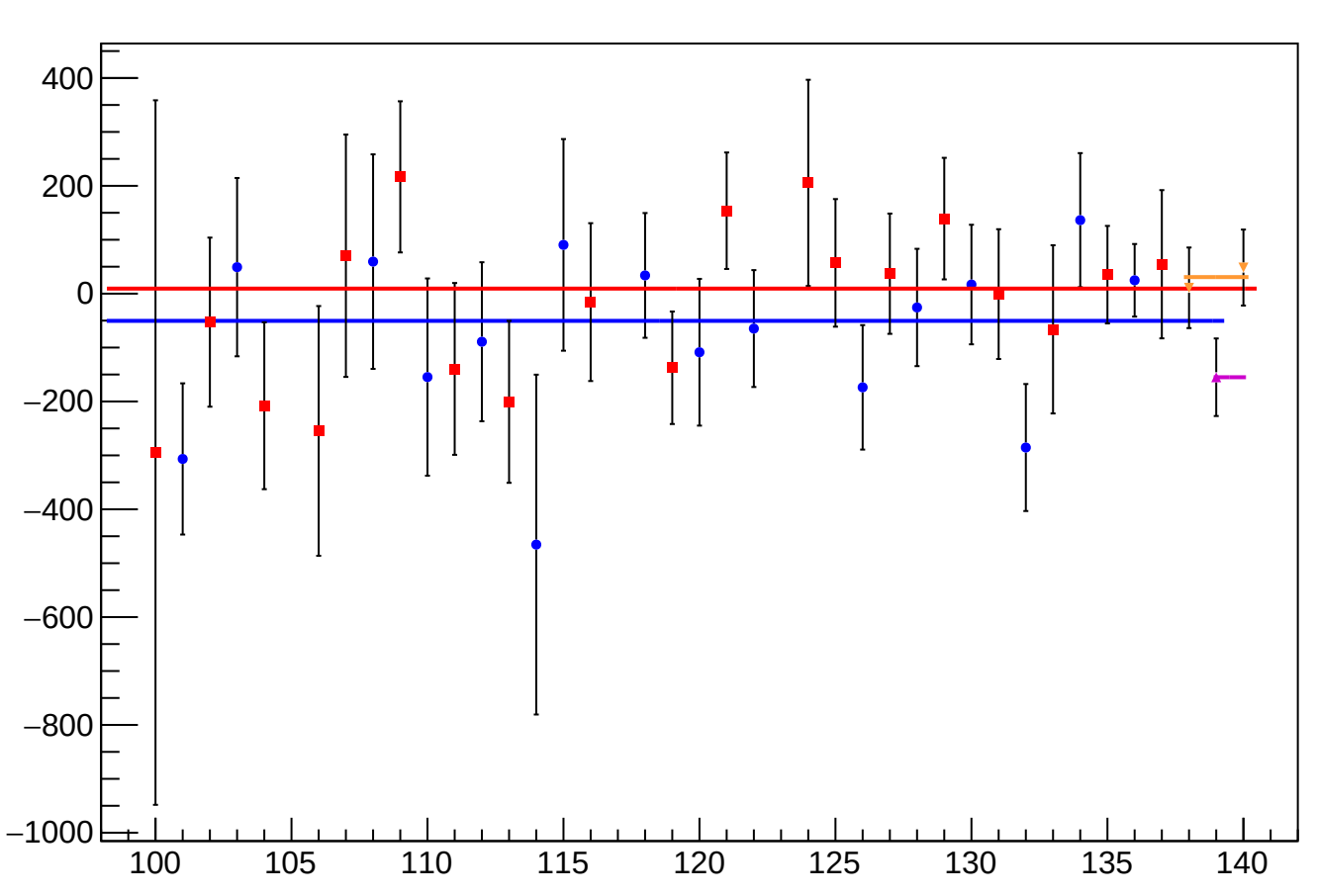
Left: 393.121+/-0.178 χ^2/NDF: 26357.9/2

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 613.002+/-0.164 χ^2/NDF:2049971.4/16

Out: 567.024+/-0.146 χ^2/NDF:2993630.1/20

All: 587.432+/-0.109 χ^2/NDF: 5087551.2/37



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: 30.740+/-51.274 χ^2/NDF:0.1/1

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -155.051+/-71.947 χ^2/NDF:0.0/0

Left: -31.839+/-41.755 χ^2/NDF: 4.6/2

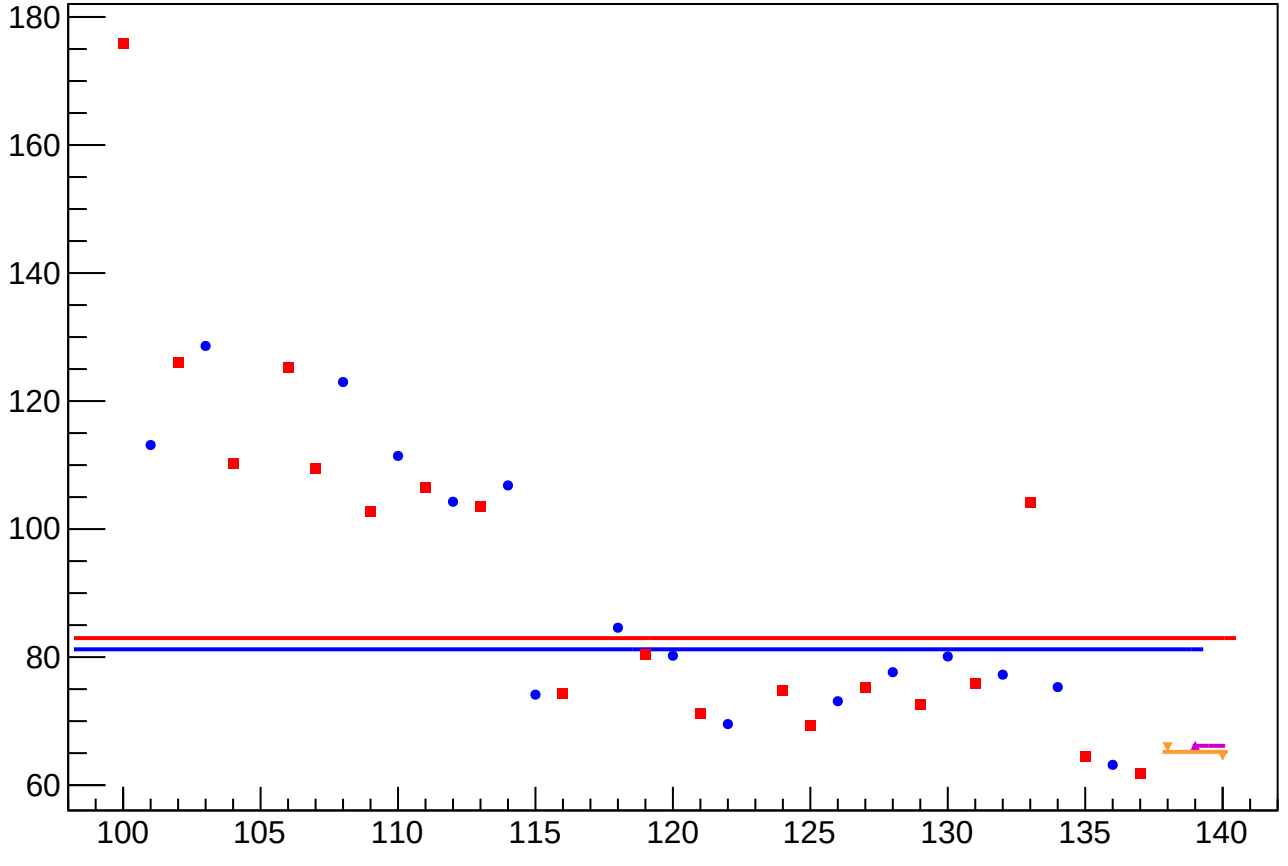
Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -66.896+/-28.517 χ^2/NDF:18.2/16

Out: 15.161+/-26.675 χ^2/NDF:15.8/20

All: -23.131+/-19.481 χ^2/NDF: 38.4/37

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 65.201+/-0.036 χ^2/NDF:335.5/1

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 66.146+/-0.051 χ^2/NDF:0.0/0

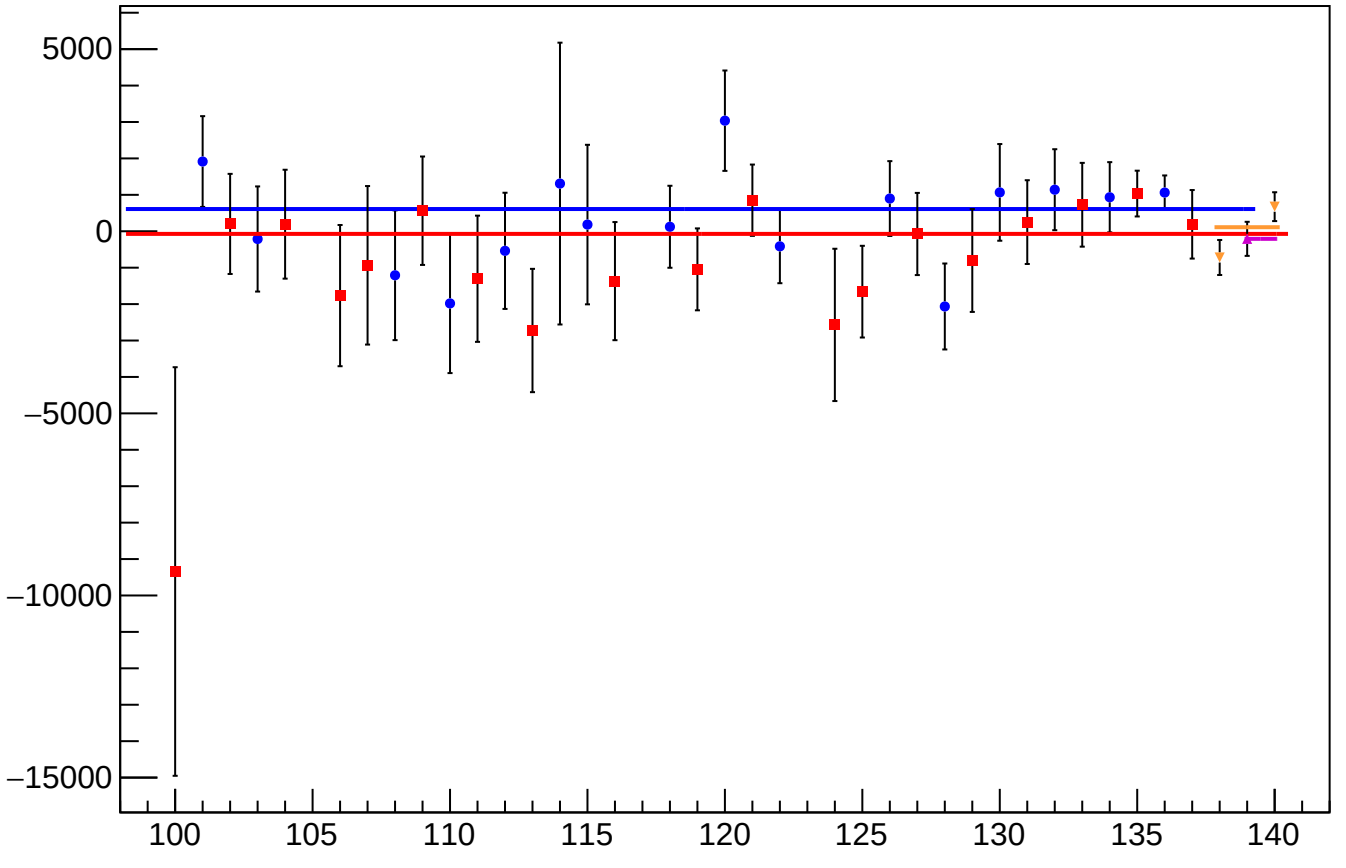
Left: 65.519+/-0.030 χ^2/NDF: 564.4/2

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 78.850+/-0.020 χ^2/NDF:736853.7/16

Out: 78.161+/-0.019 χ^2/NDF:905924.2/20

All: 78.483+/-0.014 χ^2/NDF: 1643400.3/37



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 110.976+/-305.635 χ^2/NDF:5.0/1

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -208.214+/-467.717 χ^2/NDF:0.0/0

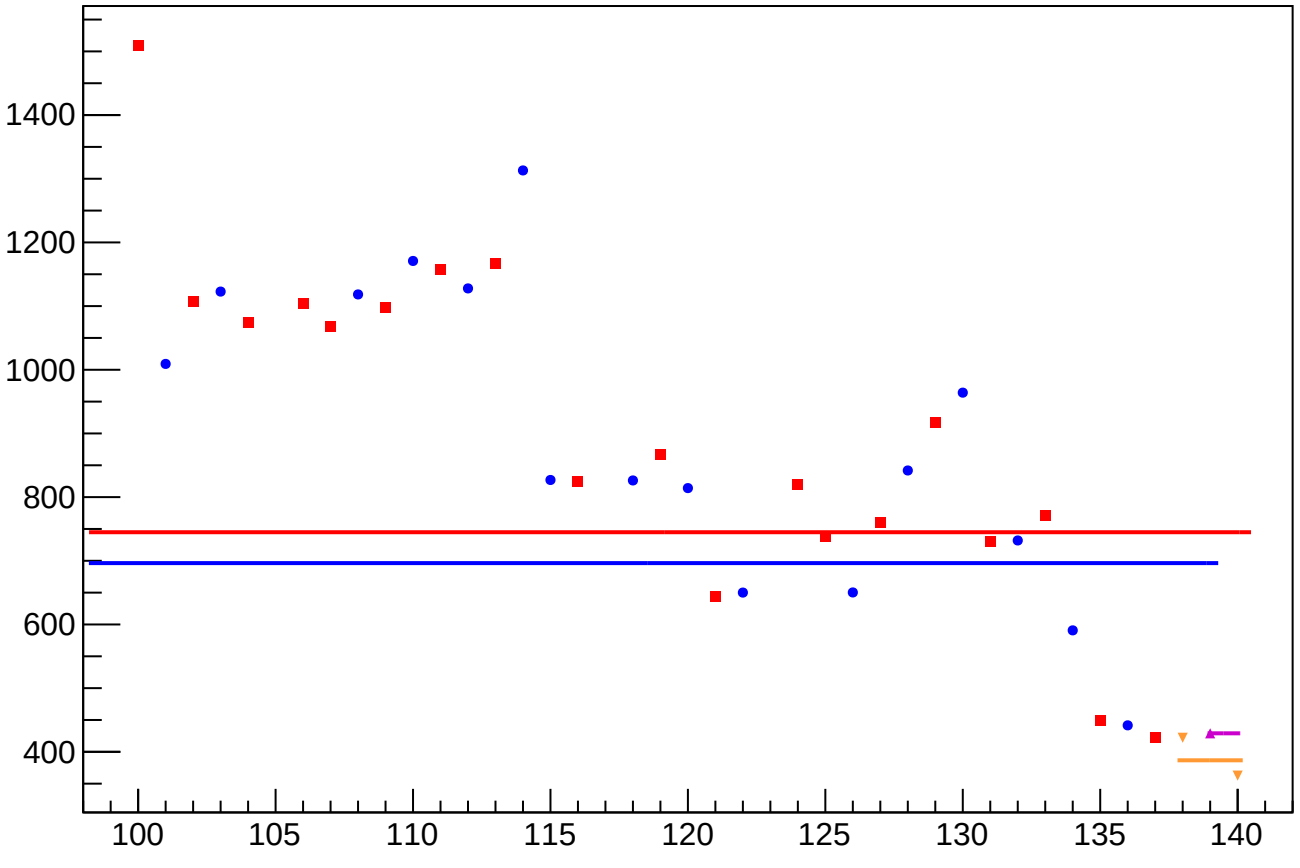
Left: 15.463+/-255.852 χ^2/NDF: 5.3/2

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 401.249+/-236.407 χ^2/NDF:18.1/16

Out: 13.521+/-209.152 χ^2/NDF:21.4/20

All: 183.756+/-156.647 χ^2/NDF: 41.0/37



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 386.674+/-0.216 χ^2/NDF:18246.5/1

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 429.050+/-0.331 χ^2/NDF:0.0/0

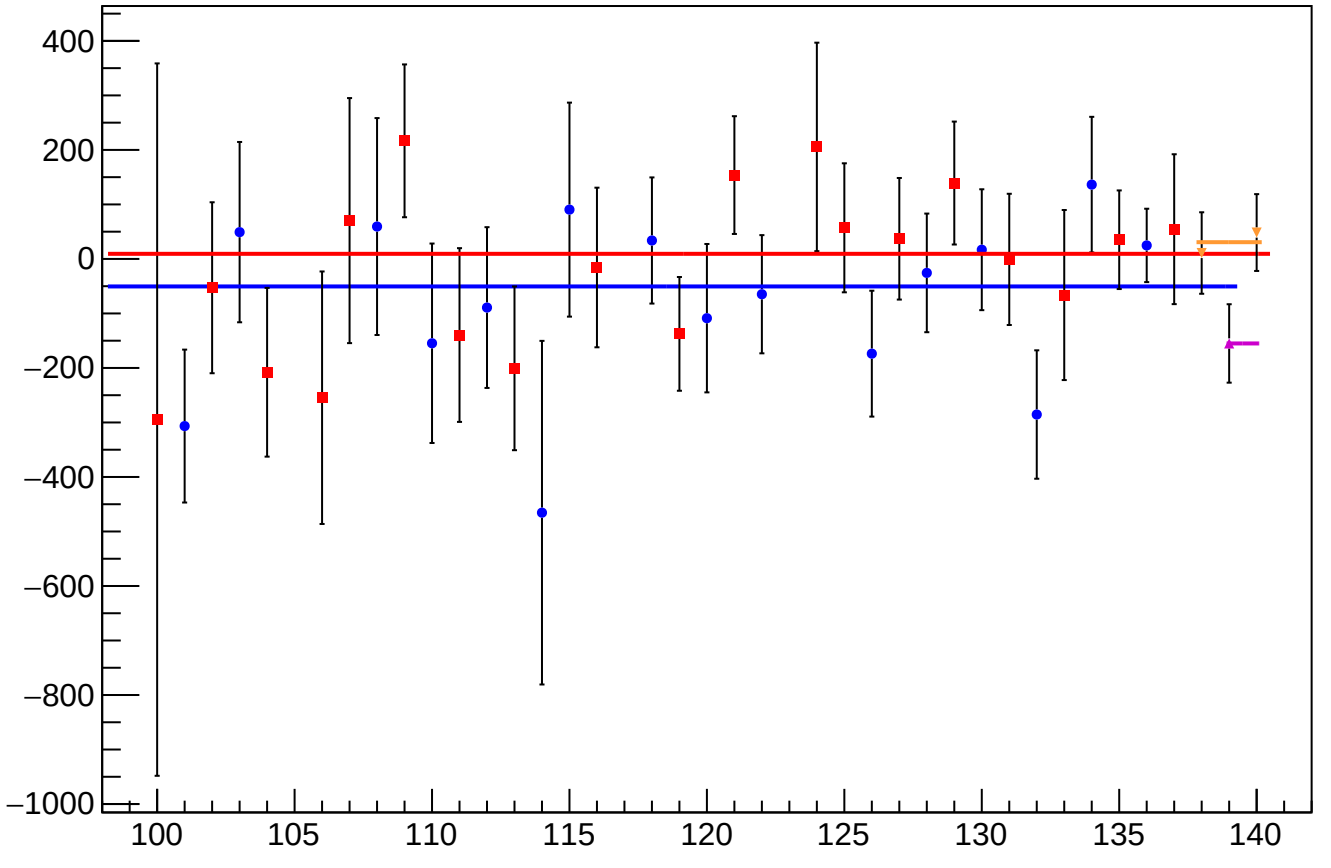
Left: 399.354+/-0.181 χ^2/NDF: 29751.4/2

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 628.076+/-0.167 χ^2/NDF:2001892.2/16

Out: 577.132+/-0.148 χ^2/NDF:2977276.8/20

All: 599.499+/-0.111 χ^2/NDF: 5031266.6/37



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: 30.742+/-51.274 χ^2/NDF:0.1/1

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -155.047+/-71.947 χ^2/NDF:0.0/0

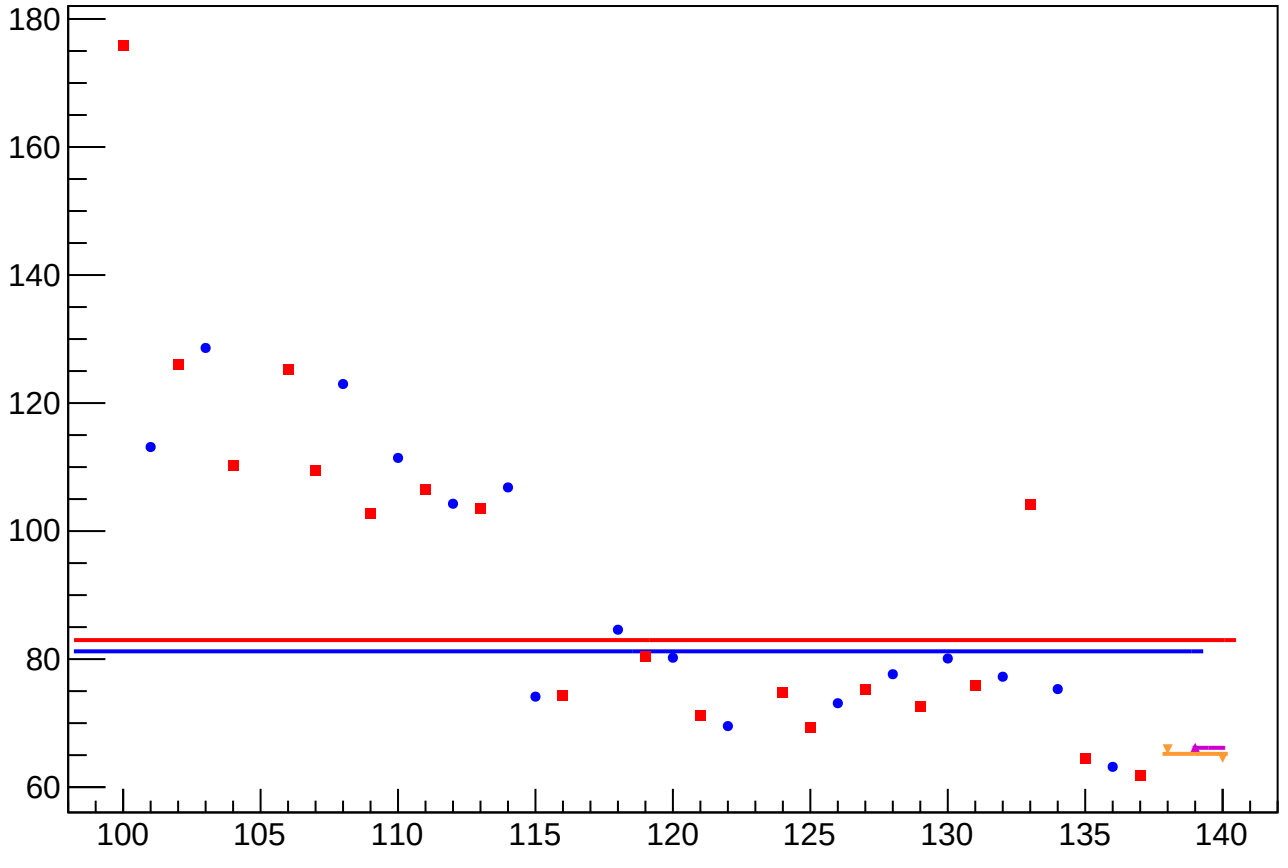
Left: -31.836+/-41.755 χ^2/NDF: 4.6/2

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -66.896+/-28.517 χ^2/NDF:18.2/16

Out: 15.162+/-26.675 χ^2/NDF:15.8/20

All: -23.131+/-19.481 χ^2/NDF: 38.4/37



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 65.201+/-0.036 χ^2/NDF:335.4/1

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 66.146+/-0.051 χ^2/NDF:0.0/0

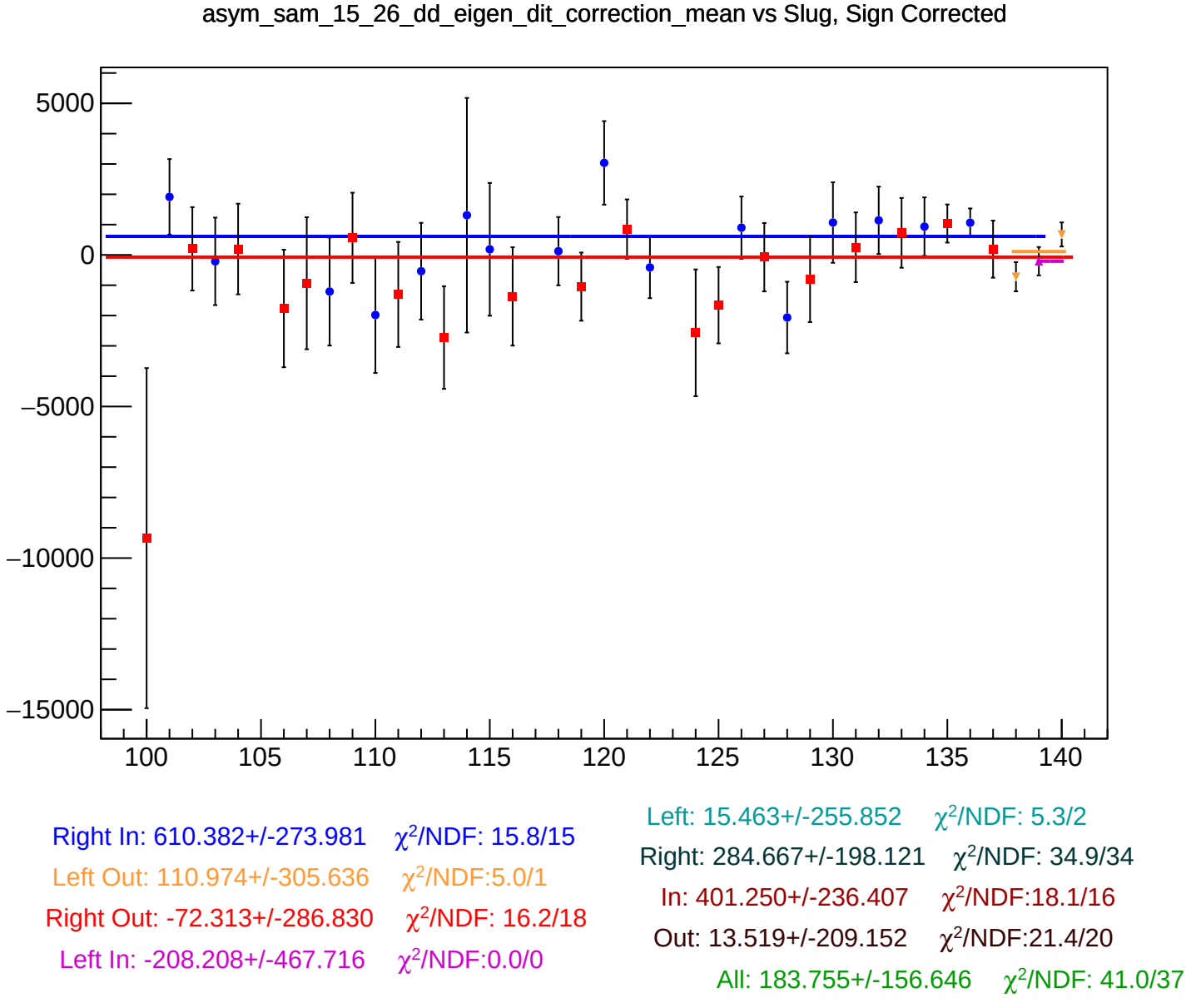
Left: 65.520+/-0.030 χ^2/NDF: 564.3/2

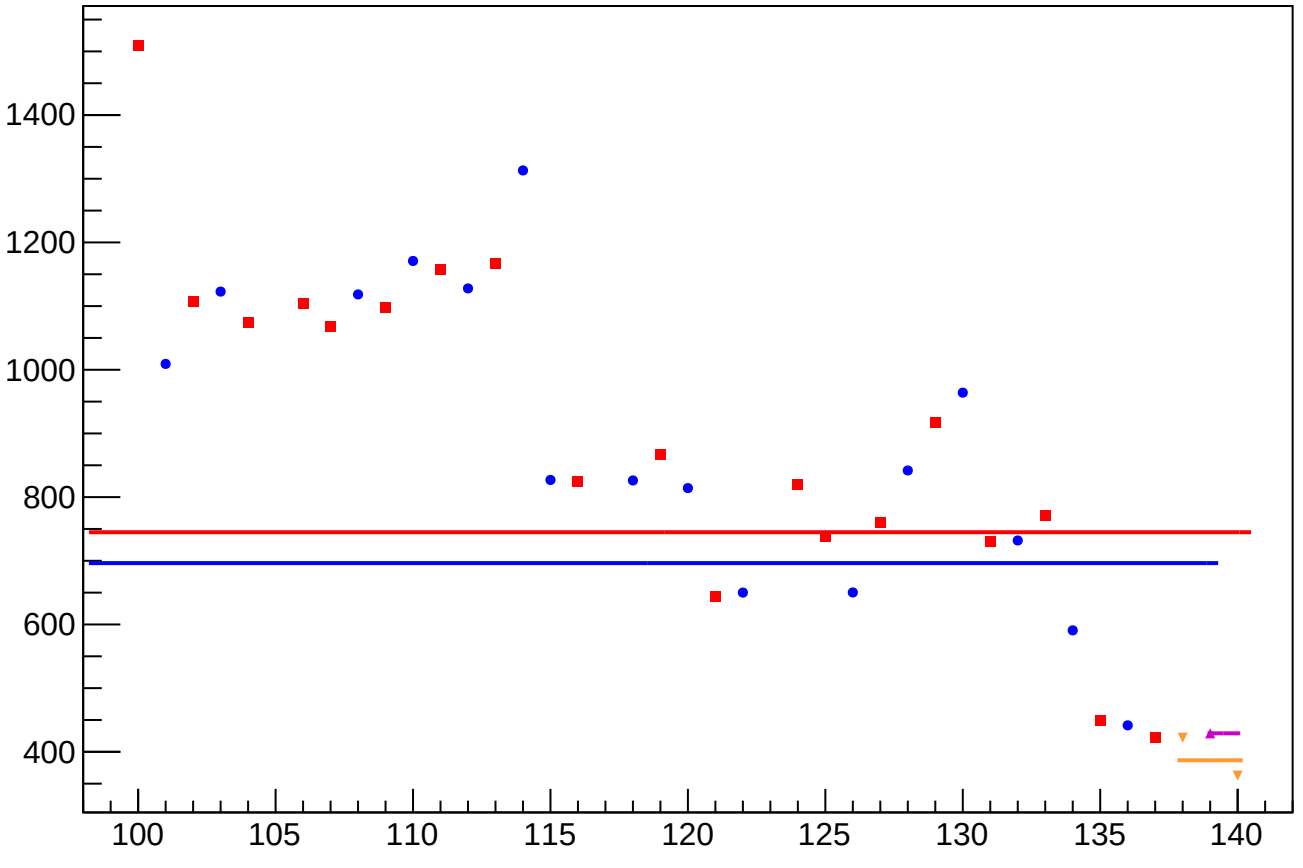
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 78.850+/-0.020 χ^2/NDF:736835.5/16

Out: 78.161+/-0.019 χ^2/NDF:905903.3/20

All: 78.483+/-0.014 χ^2/NDF: 1643360.7/37


asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
Right In: 610.382+/-273.981 χ²/NDF: 15.8/15
Left Out: 110.974+/-305.636 χ²/NDF:5.0/1
Right Out: -72.313+/-286.830 χ²/NDF: 16.2/18
Left In: -208.208+/-467.716 χ²/NDF:0.0/0
Left: 15.463+/-255.852 χ²/NDF: 5.3/2
Right: 284.667+/-198.121 χ²/NDF: 34.9/34
In: 401.250+/-236.407 χ²/NDF:18.1/16
Out: 13.519+/-209.152 χ²/NDF:21.4/20
All: 183.755+/-156.646 χ²/NDF: 41.0/37



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 386.674+/-0.216 χ^2/NDF:18245.3/1

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 429.048+/-0.331 χ^2/NDF:0.0/0

Left: 399.354+/-0.181 χ^2/NDF: 29749.0/2

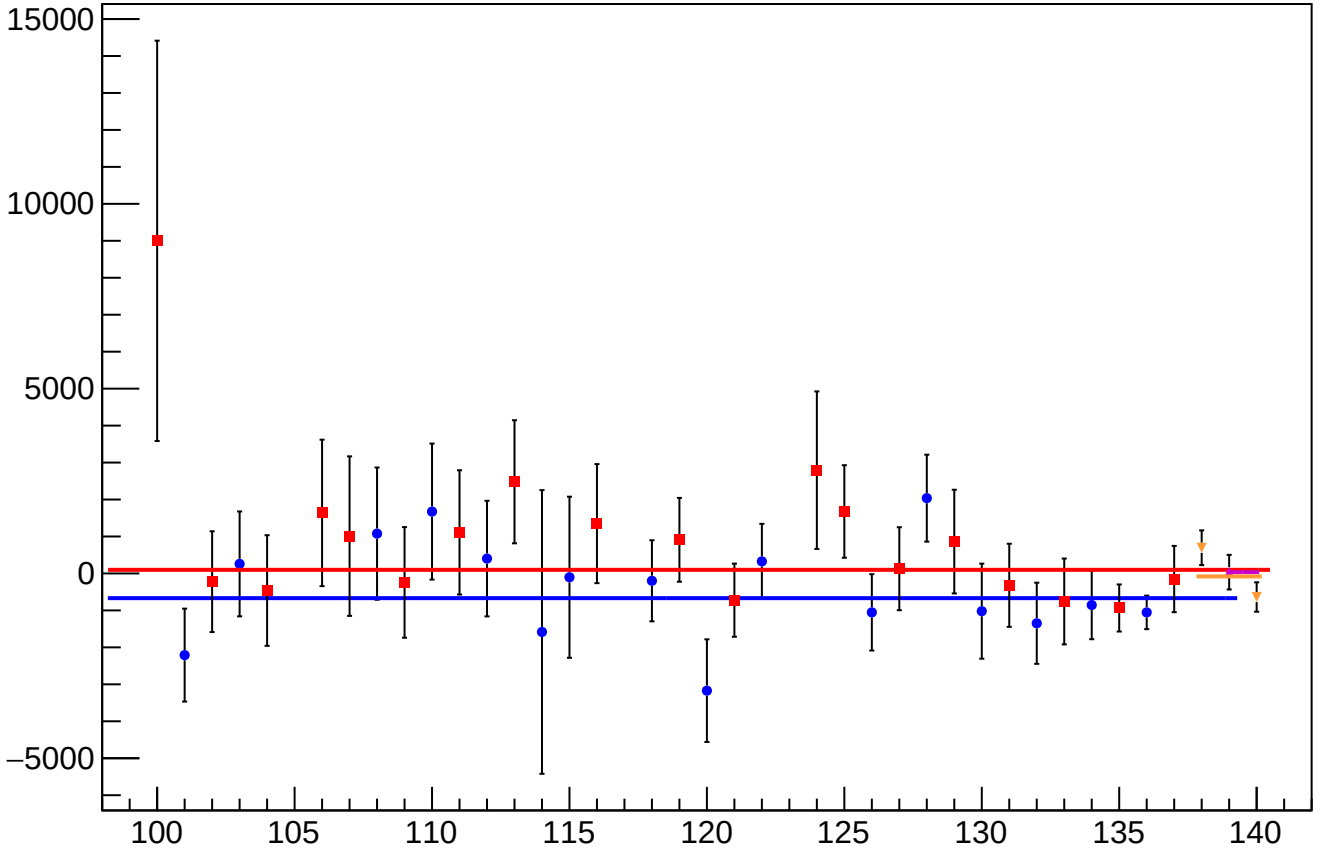
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 628.075+/-0.167 χ^2/NDF:2001881.2/16

Out: 577.133+/-0.148 χ^2/NDF:2977246.7/20

All: 599.499+/-0.111 χ^2/NDF: 5031222.1/37

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -81.089+/-303.626 χ^2/NDF:4.7/1

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: 34.876+/-468.601 χ^2/NDF:0.0/0

Left: -46.800+/-254.813 χ^2/NDF: 4.7/2

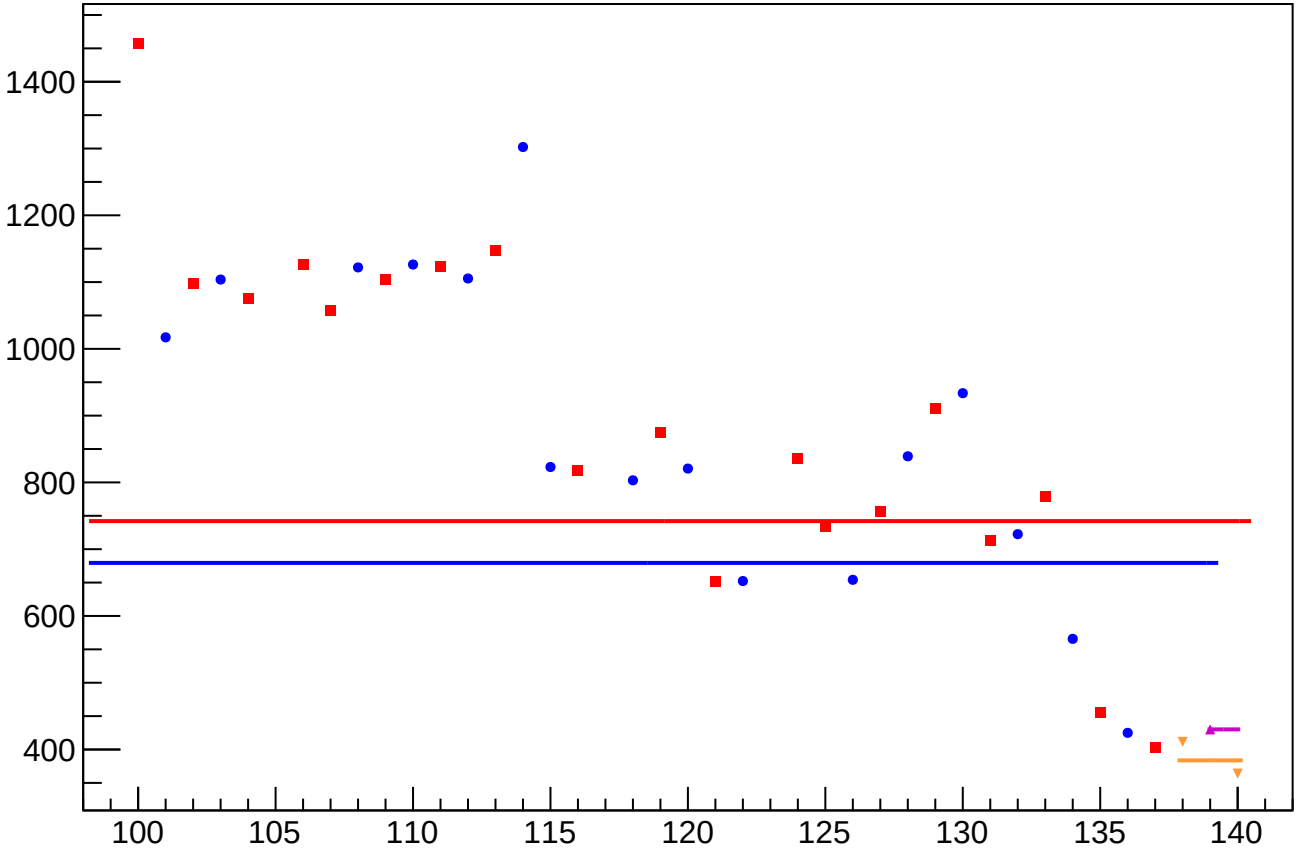
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -494.701+/-232.936 χ^2/NDF:17.8/16

Out: 13.843+/-208.139 χ^2/NDF:19.7/20

All: -211.929+/-155.206 χ^2/NDF: 40.2/37

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 383.736+/-0.215 χ^2/NDF:11893.5/1

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 430.139+/-0.331 χ^2/NDF:0.0/0

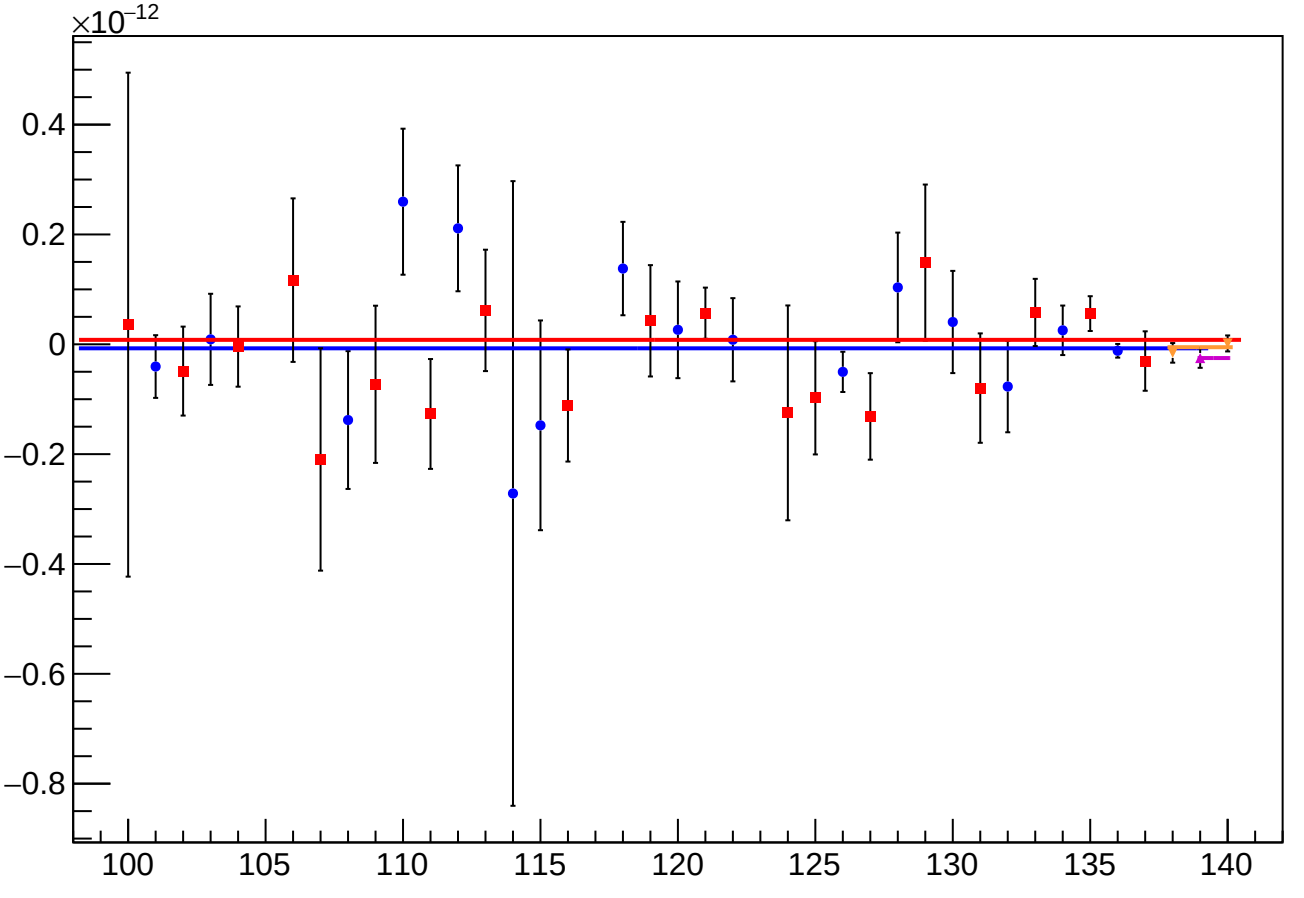
Left: 397.457+/-0.180 χ^2/NDF: 25706.4/2

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 617.860+/-0.165 χ^2/NDF:2027217.3/16

Out: 573.685+/-0.147 χ^2/NDF:2992976.8/20

All: 593.297+/-0.110 χ^2/NDF: 5060191.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

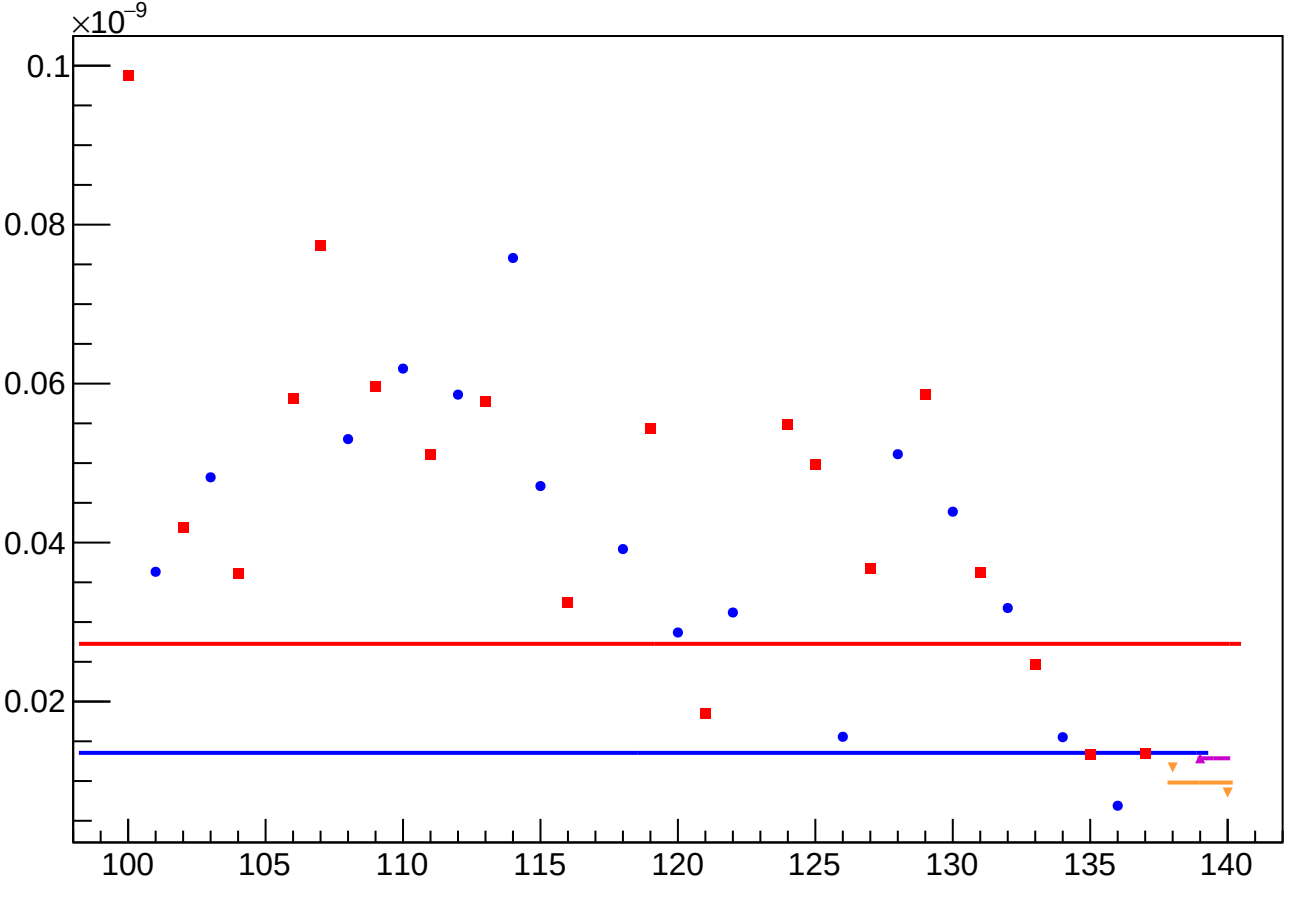
Left: -0.000+/-0.000 χ^2/NDF: 1.4/2

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:17.9/16

Out: -0.000+/-0.000 χ^2/NDF:18.0/20

All: -0.000+/-0.000 χ^2/NDF: 36.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:37652.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

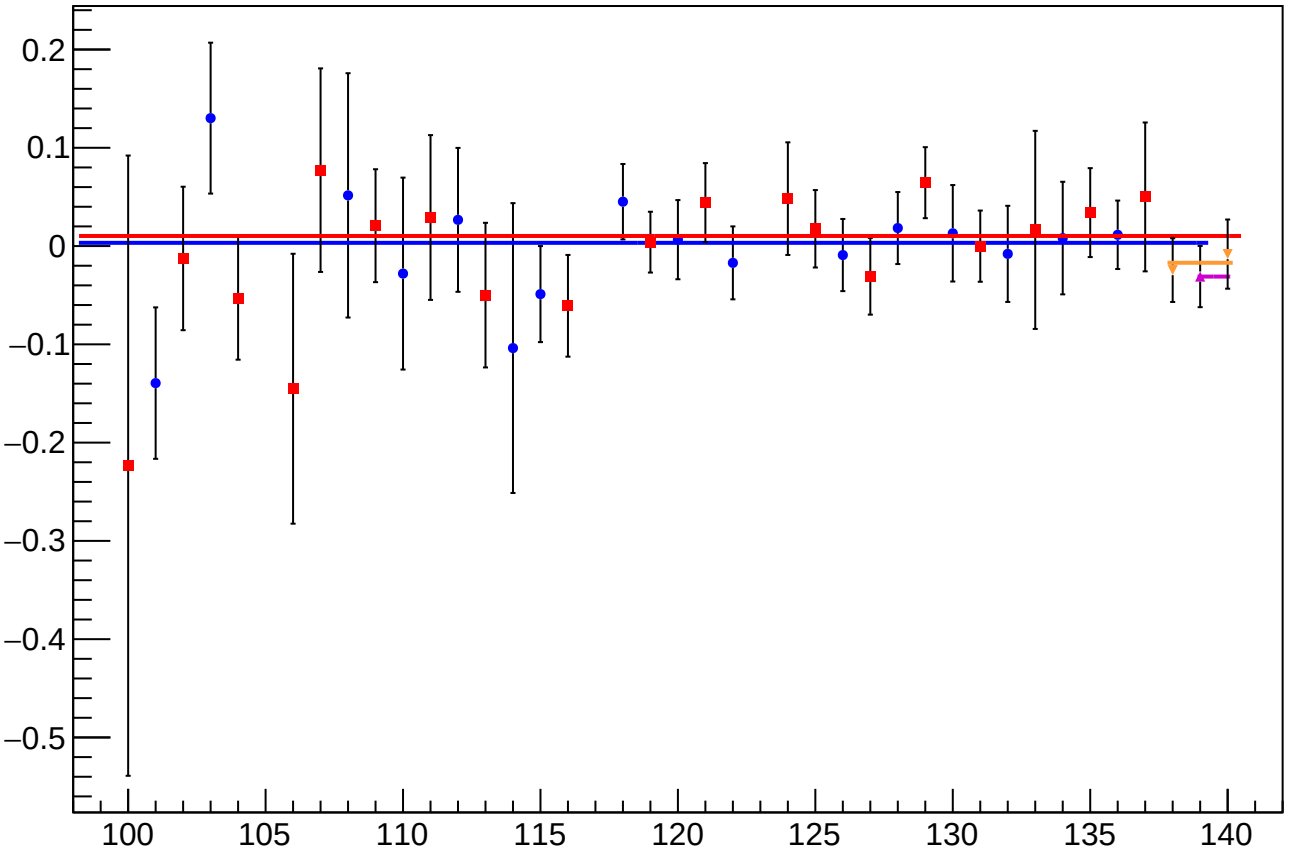
Left: 0.000+/-0.000 χ^2/NDF: 79564.9/2

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:3047406.7/16

Out: 0.000+/-0.000 χ^2/NDF:3199901.8/20

All: 0.000+/-0.000 χ^2/NDF: 6278694.9/37



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.017+/-0.024 χ^2/NDF:0.1/1

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.031+/-0.031 χ^2/NDF:0.0/0

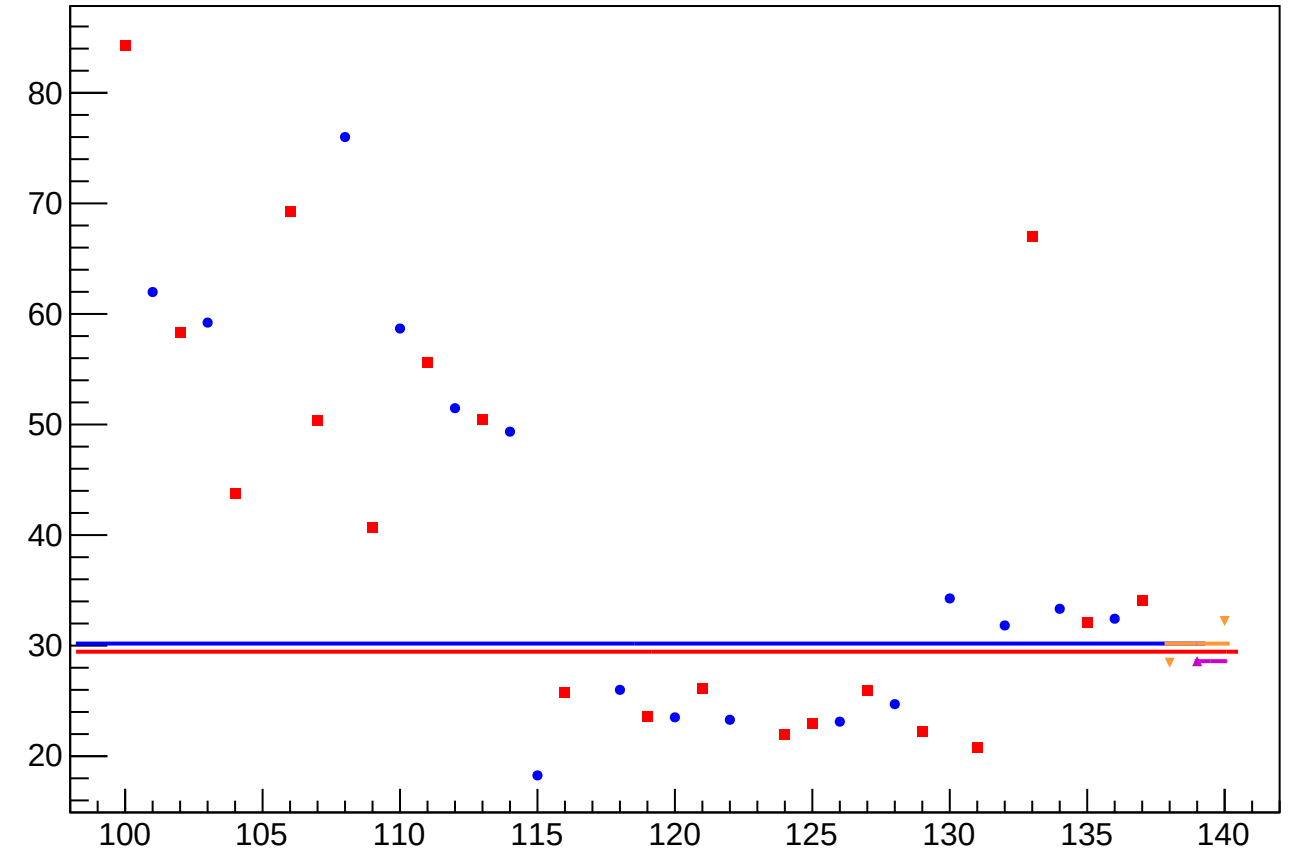
Left: -0.022+/-0.019 χ^2/NDF: 0.2/2

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.001+/-0.011 χ^2/NDF:11.2/16

Out: 0.005+/-0.011 χ^2/NDF:12.4/20

All: 0.002+/-0.008 χ^2/NDF: 23.7/37



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 30.184+/-0.017 χ^2/NDF:12401.7/1

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.596+/-0.022 χ^2/NDF:0.0/0

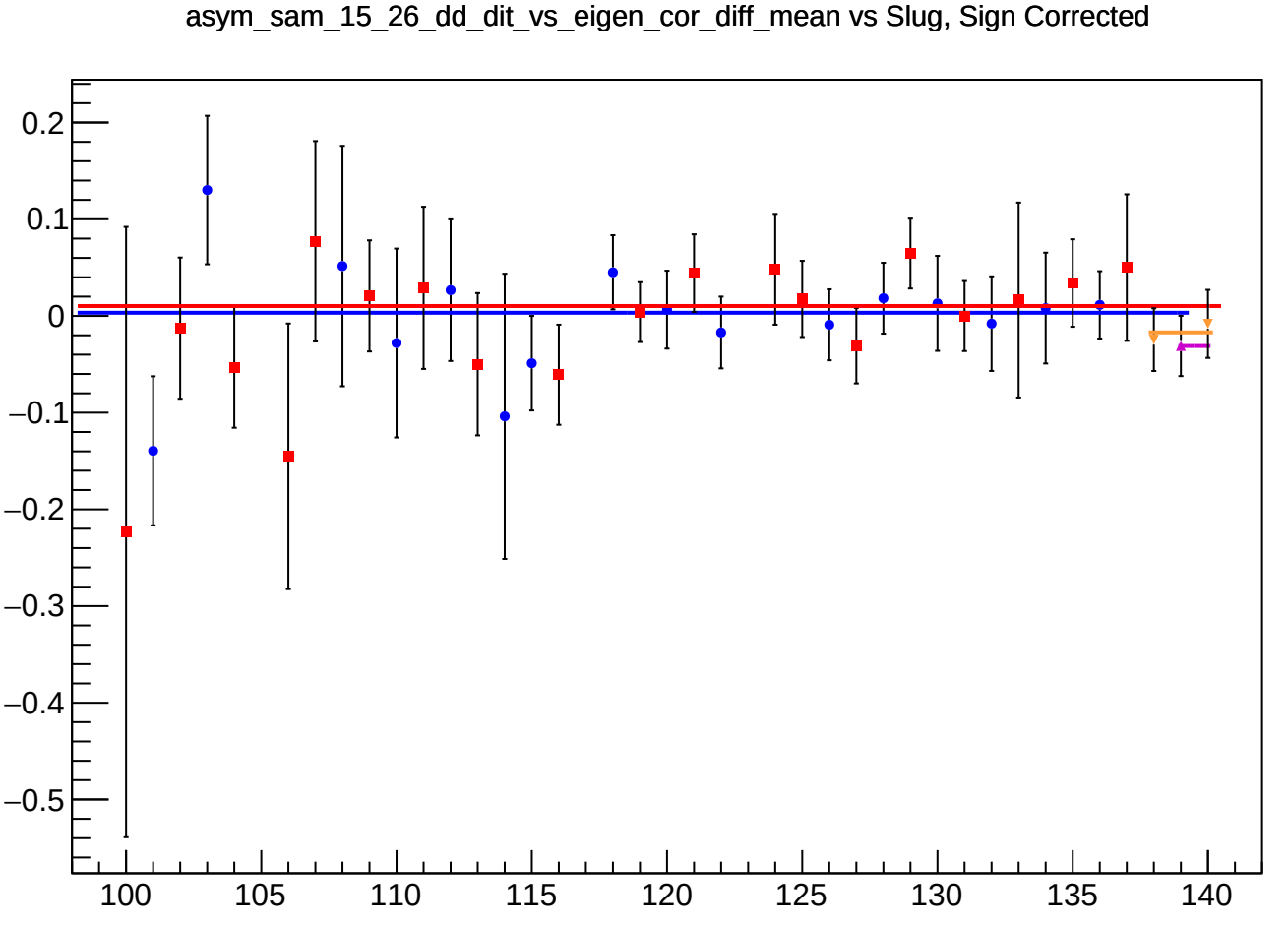
Left: 29.597+/-0.013 χ^2/NDF: 15682.7/2

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

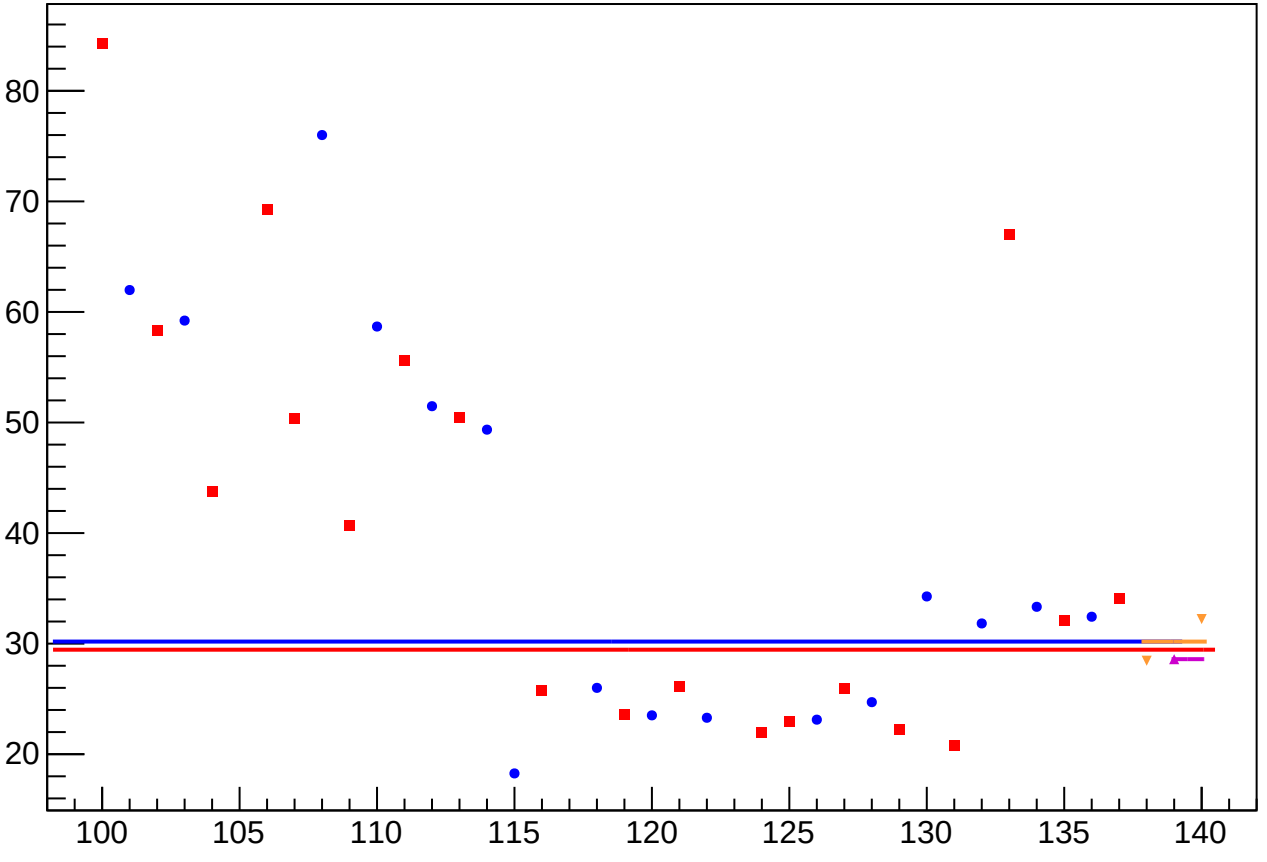
In: 29.973+/-0.008 χ^2/NDF:1691892.1/16

Out: 29.596+/-0.007 χ^2/NDF:1862554.4/20

All: 29.770+/-0.005 χ^2/NDF: 3555616.0/37


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
105
110
115
120
125
130
135
140
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.017+/-0.024 χ²/NDF:0.1/1
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.031+/-0.031 χ²/NDF:0.0/0
Left: -0.022+/-0.019 χ²/NDF: 0.2/2
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: -0.001+/-0.011 χ²/NDF:11.2/16
Out: 0.005+/-0.011 χ²/NDF:12.4/20
All: 0.002+/-0.008 χ²/NDF: 23.7/37

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 30.184+/-0.017 χ^2/NDF:12401.7/1

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.596+/-0.022 χ^2/NDF:0.0/0

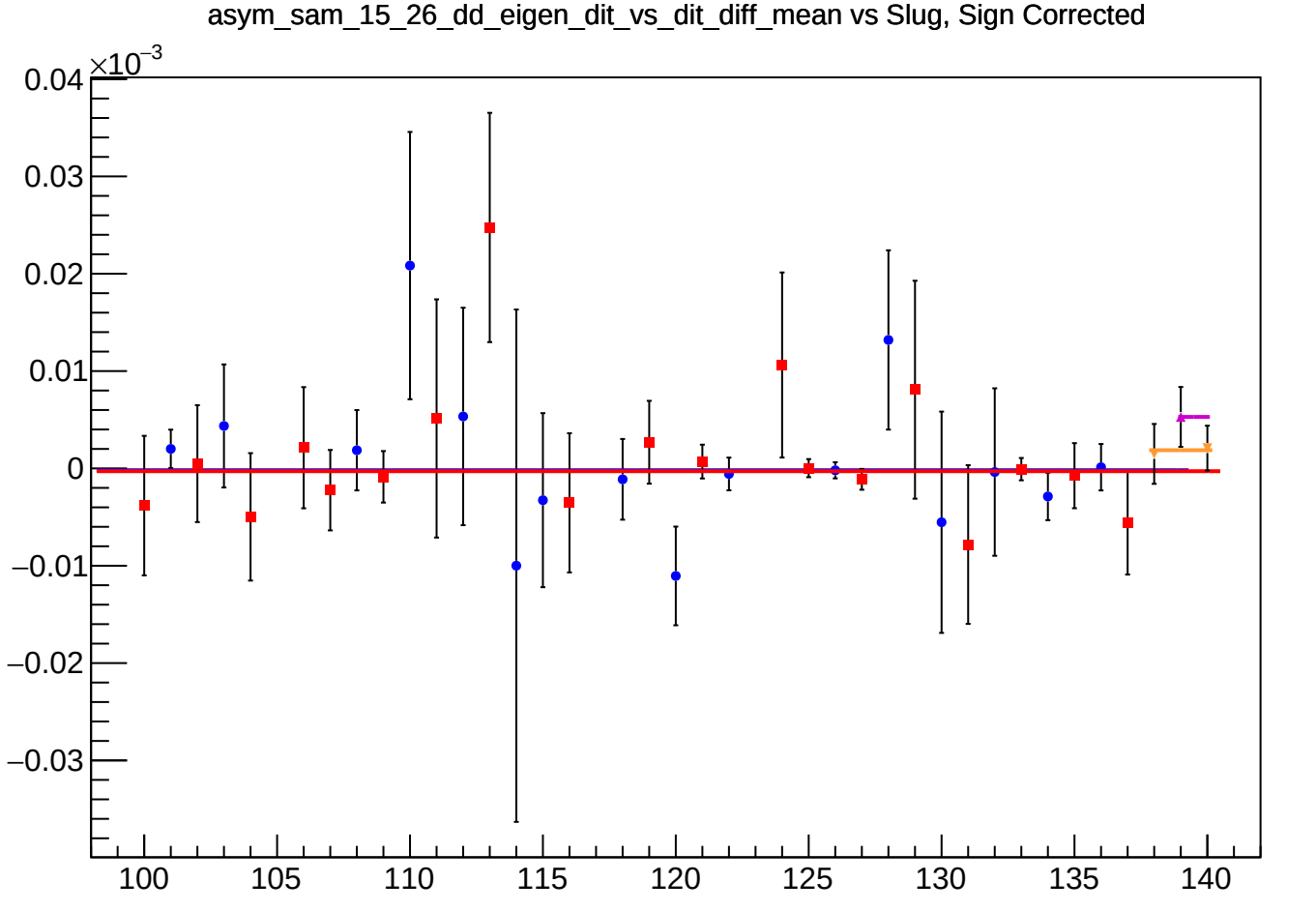
Left: 29.597+/-0.013 χ^2/NDF: 15682.7/2

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.973+/-0.008 χ^2/NDF:1691892.1/16

Out: 29.596+/-0.007 χ^2/NDF:1862554.4/20

All: 29.770+/-0.005 χ^2/NDF: 3555616.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.9/2

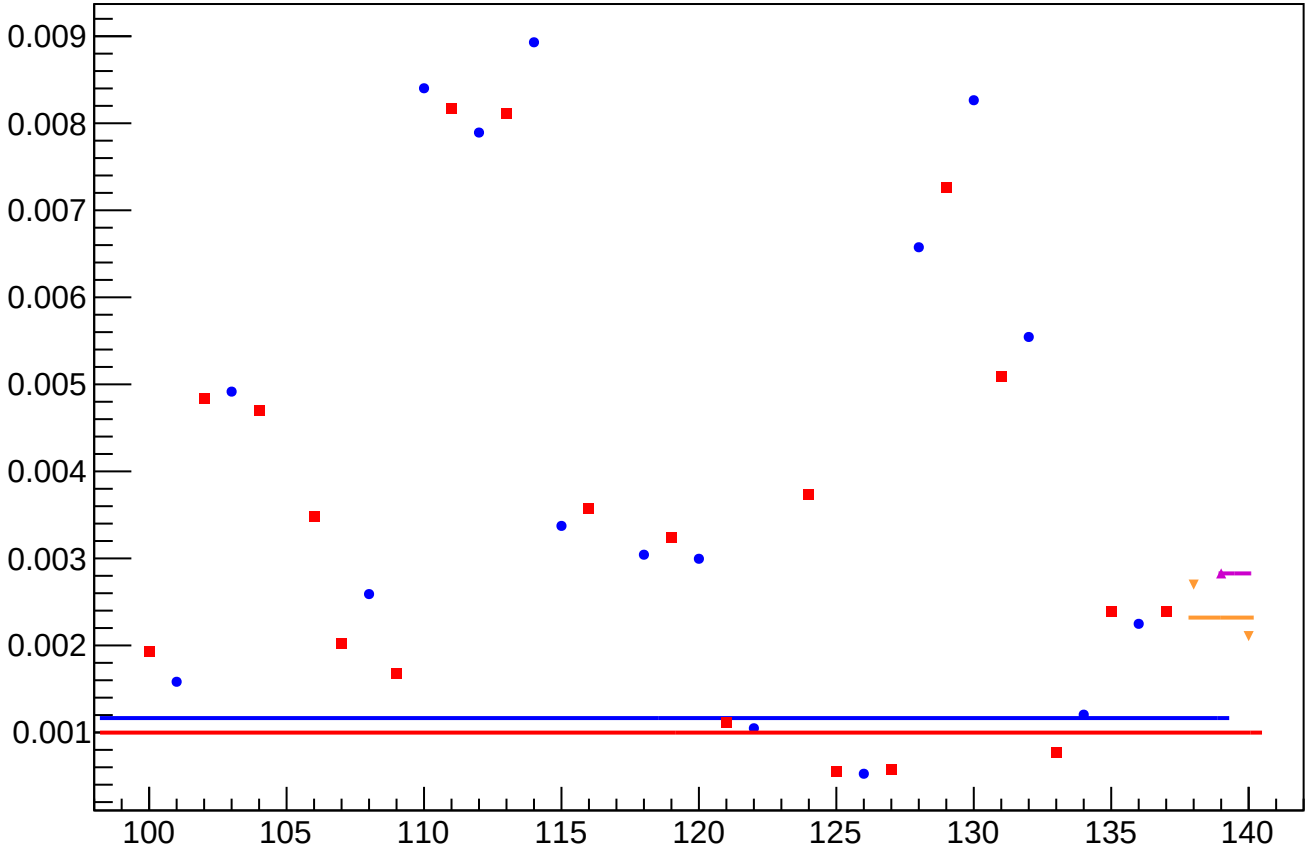
Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:16.2/16

Out: -0.000+/-0.000 χ^2/NDF:12.7/20

All: -0.000+/-0.000 χ^2/NDF: 28.9/37

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:47463.5/1

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

Left: 0.002+/-0.000 χ^2/NDF: 87518.4/2

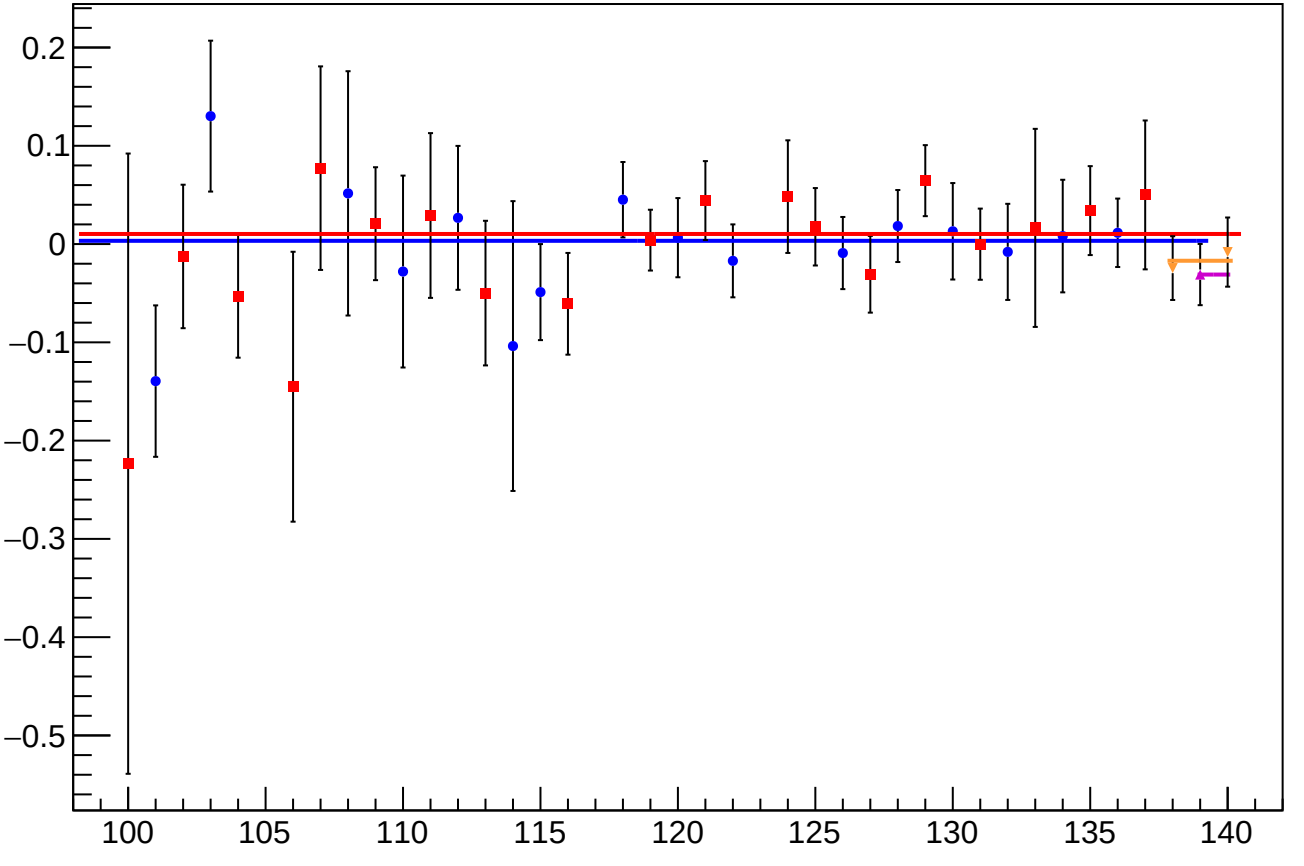
Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:7443146.6/16

Out: 0.001+/-0.000 χ^2/NDF:7935728.5/20

All: 0.001+/-0.000 χ^2/NDF: 15435967.8/37

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.017+/-0.024 χ^2/NDF:0.1/1

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.031+/-0.031 χ^2/NDF:0.0/0

Left: -0.022+/-0.019 χ^2/NDF: 0.2/2

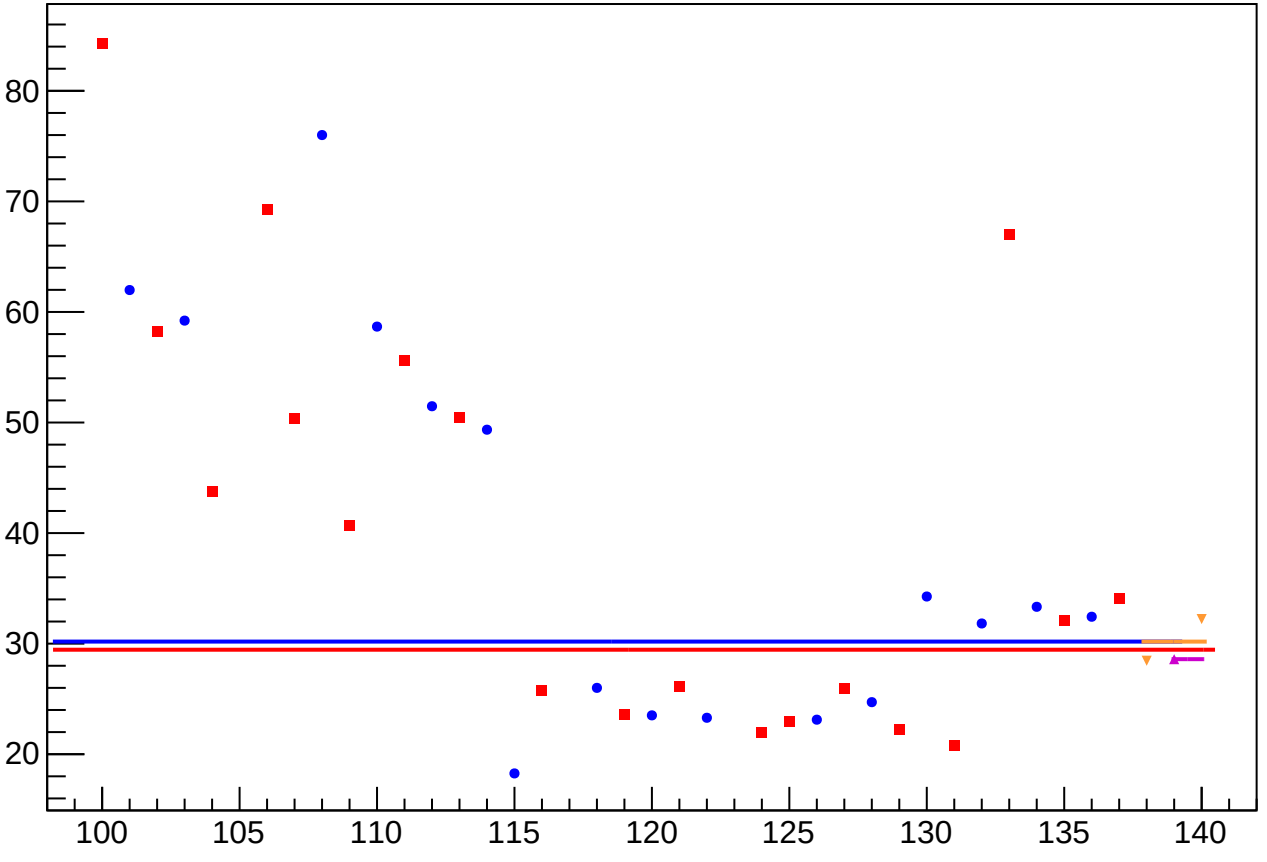
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.001+/-0.011 χ^2/NDF:11.2/16

Out: 0.005+/-0.011 χ^2/NDF:12.4/20

All: 0.002+/-0.008 χ^2/NDF: 23.7/37

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 30.185+/-0.017 χ^2/NDF:12403.0/1

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.596+/-0.022 χ^2/NDF:0.0/0

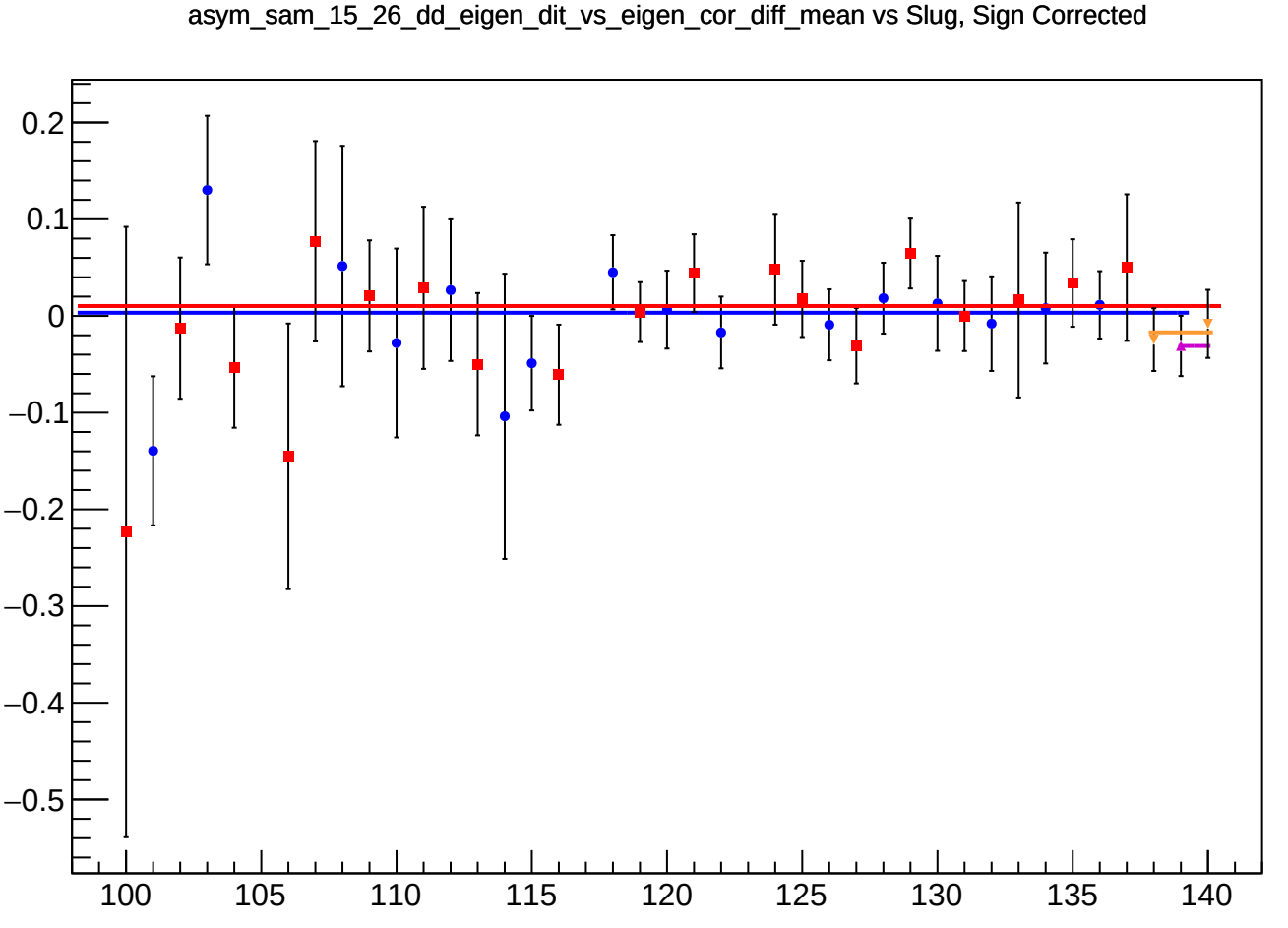
Left: 29.597+/-0.013 χ^2/NDF: 15684.3/2

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.973+/-0.008 χ^2/NDF:1691704.9/16

Out: 29.596+/-0.007 χ^2/NDF:1862556.0/20

All: 29.770+/-0.005 χ^2/NDF: 3555433.5/37



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.017+/-0.024 χ^2/NDF:0.1/1

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.031+/-0.031 χ^2/NDF:0.0/0

Left: -0.022+/-0.019 χ^2/NDF: 0.2/2

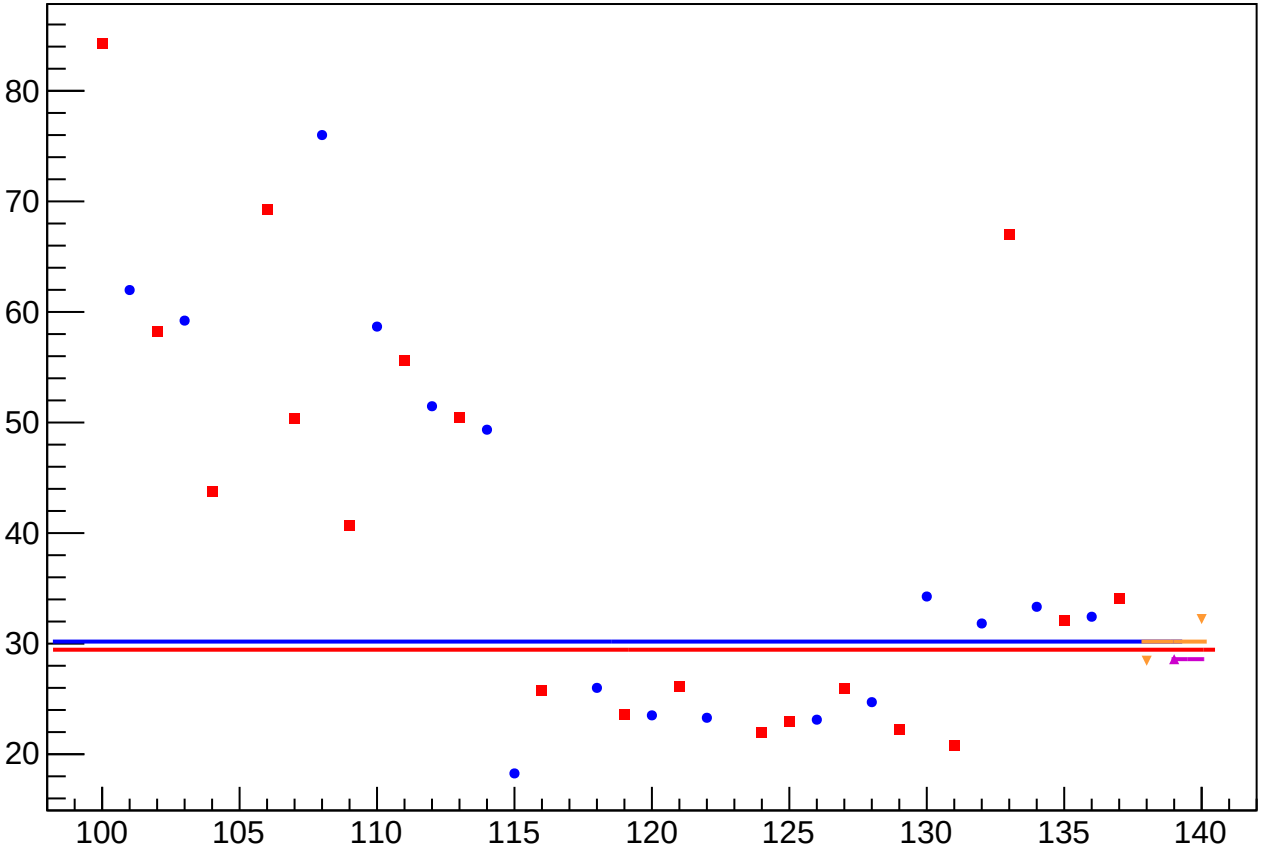
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.001+/-0.011 χ^2/NDF:11.2/16

Out: 0.005+/-0.011 χ^2/NDF:12.4/20

All: 0.002+/-0.008 χ^2/NDF: 23.7/37

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 30.185+/-0.017 χ^2/NDF:12403.0/1

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.596+/-0.022 χ^2/NDF:0.0/0

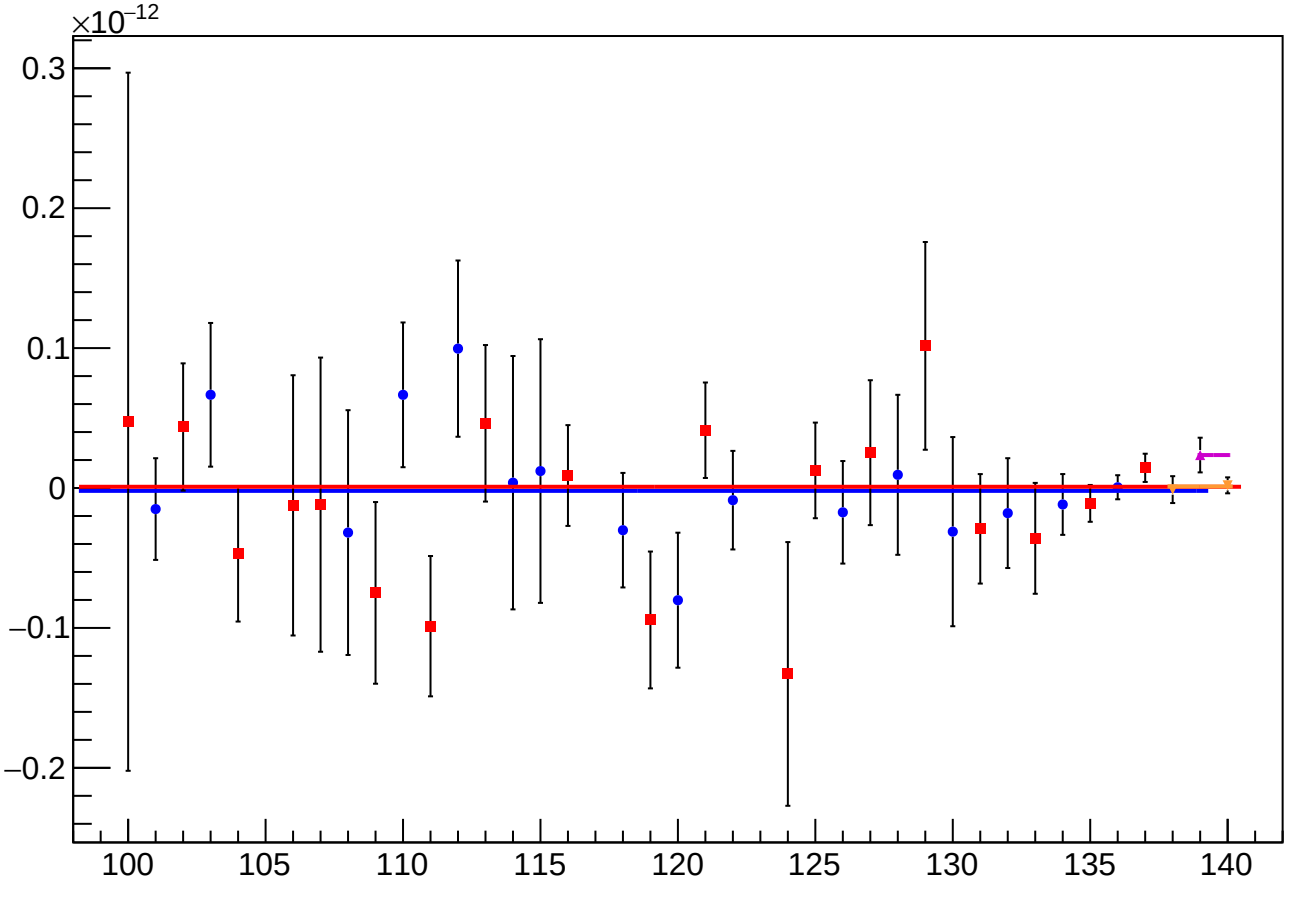
Left: 29.597+/-0.013 χ^2/NDF: 15684.3/2

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.973+/-0.008 χ^2/NDF:1691704.9/16

Out: 29.596+/-0.007 χ^2/NDF:1862556.0/20

All: 29.770+/-0.005 χ^2/NDF: 3555433.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

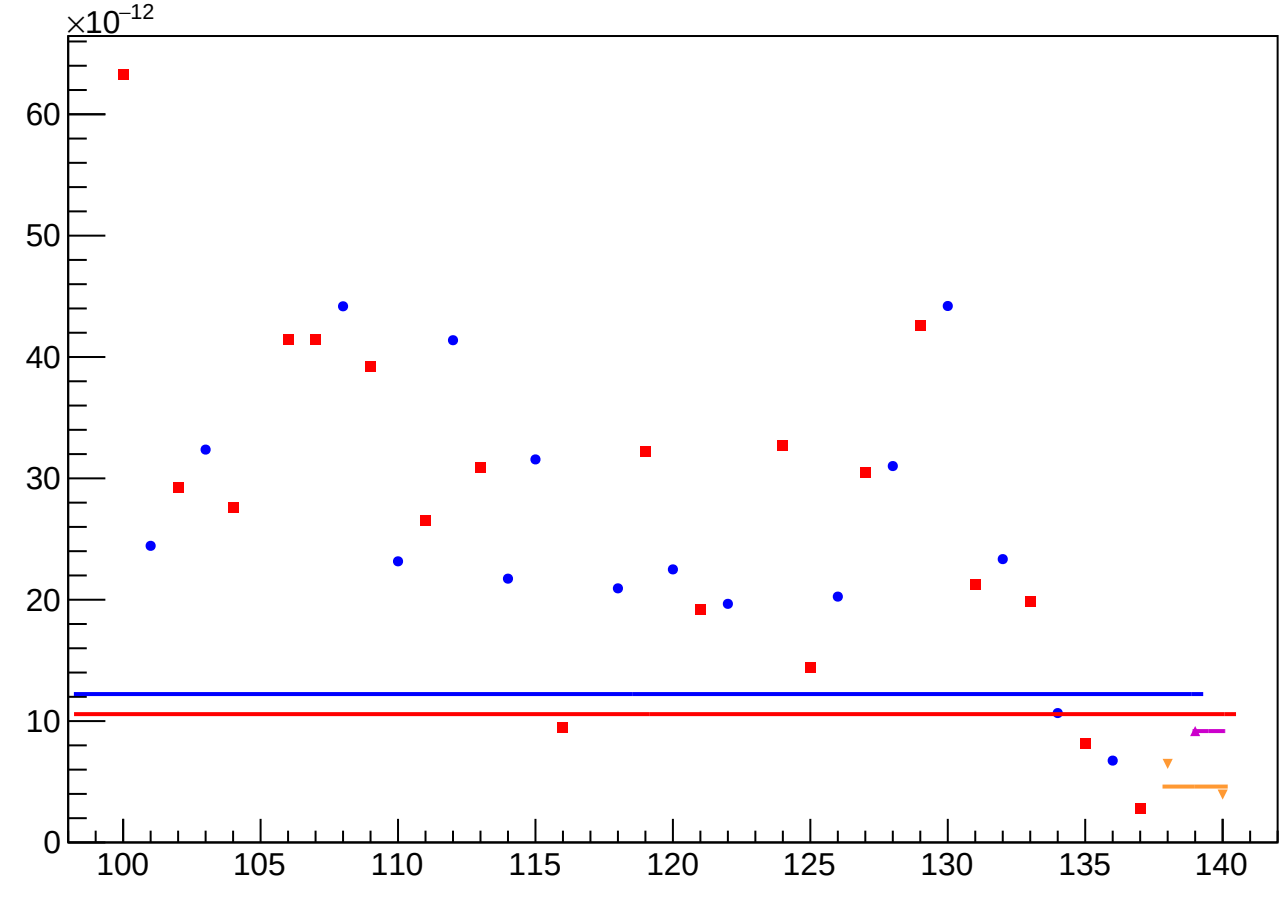
Left: 0.000+/-0.000 χ^2/NDF: 2.9/2

Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: 0.000+/-0.000 χ^2/NDF:13.7/16

Out: 0.000+/-0.000 χ^2/NDF:21.5/20

All: 0.000+/-0.000 χ^2/NDF: 35.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:102359.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

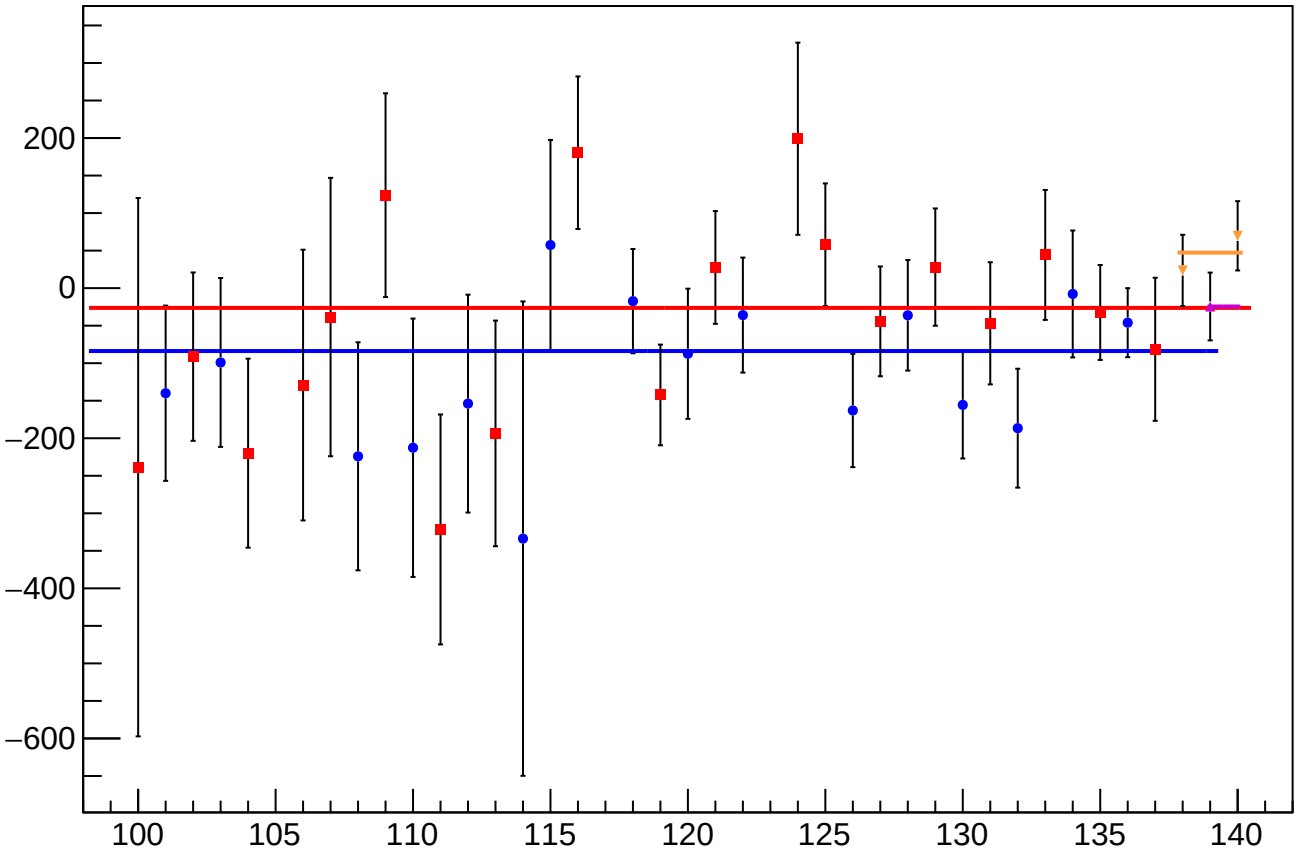
Left: 0.000+/-0.000 χ^2/NDF: 337599.6/2

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:3530828.5/16

Out: 0.000+/-0.000 χ^2/NDF:5913858.1/20

All: 0.000+/-0.000 χ^2/NDF: 10348488.1/37



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 47.319+/-33.102 χ^2/NDF:0.5/1

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: -24.448+/-45.174 χ^2/NDF:0.0/0

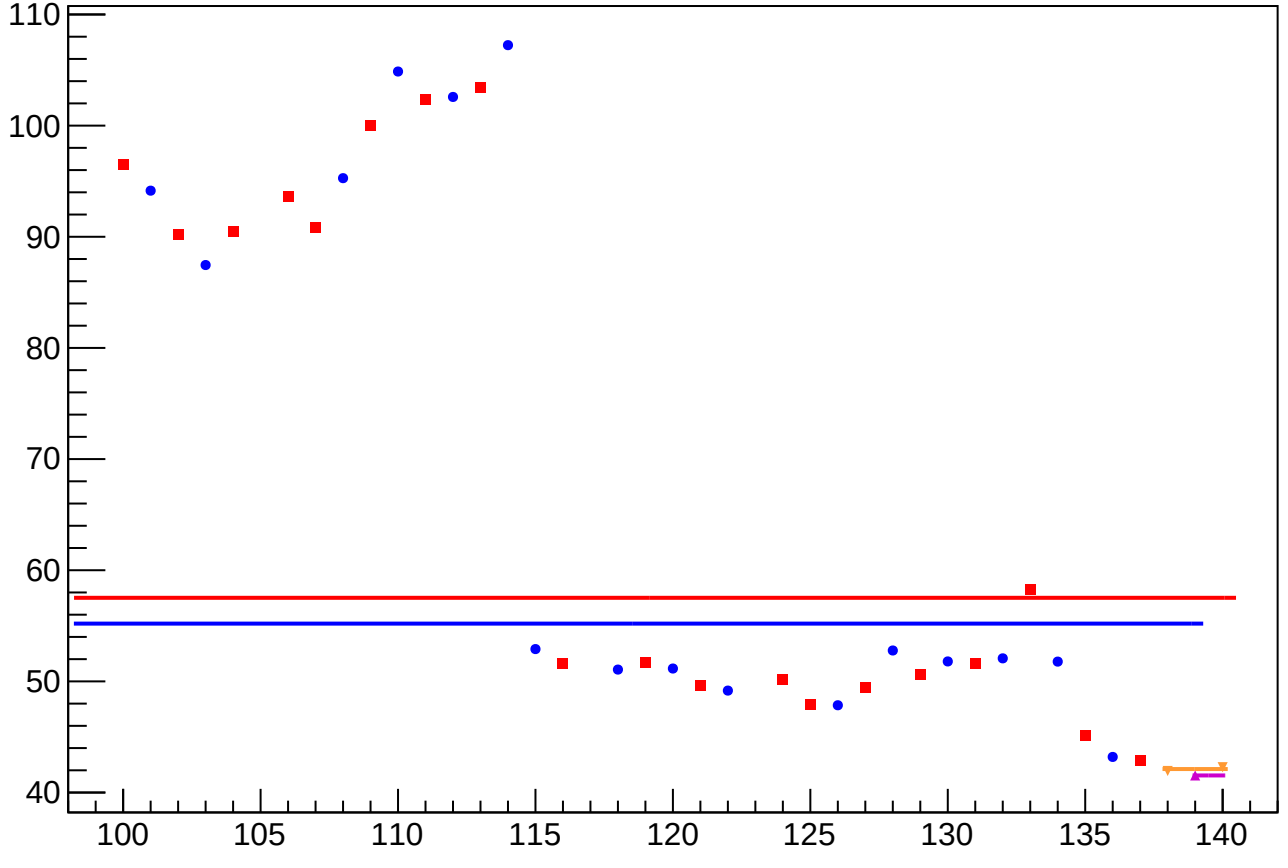
Left: 22.247+/-26.701 χ^2/NDF: 2.1/2

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -72.899+/-19.365 χ^2/NDF:12.0/16

Out: -3.650+/-18.361 χ^2/NDF:26.9/20

All: -36.433+/-13.324 χ^2/NDF: 45.6/37



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 42.113+/-0.023 χ^2/NDF:52.6/1

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 41.538+/-0.032 χ^2/NDF:0.0/0

Left: 41.912+/-0.019 χ^2/NDF: 263.9/2

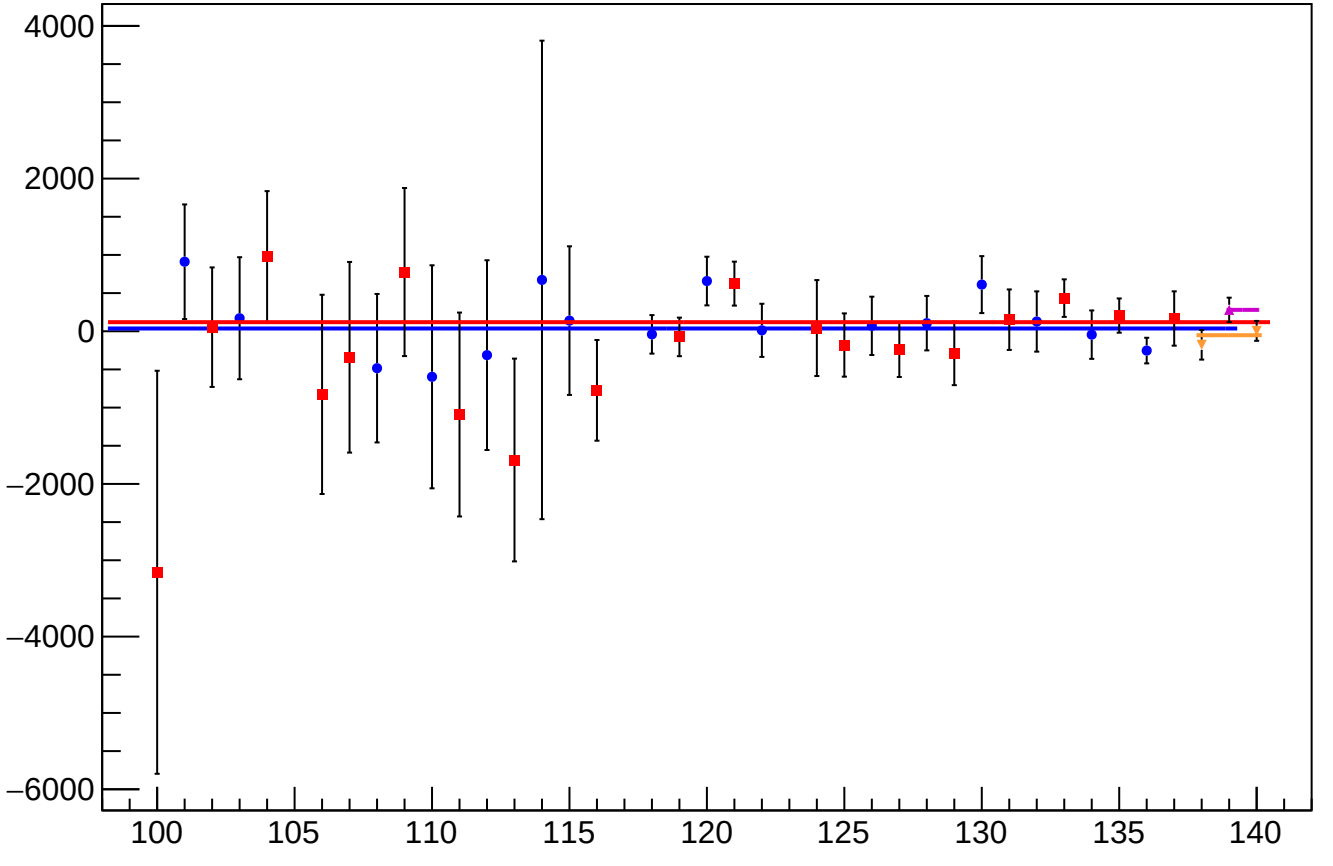
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 52.687+/-0.014 χ^2/NDF:1301852.8/16

Out: 52.779+/-0.013 χ^2/NDF:1581775.2/20

All: 52.736+/-0.009 χ^2/NDF: 2883651.6/37

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -51.662+/-108.089 χ^2/NDF:0.6/1

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 280.396+/-159.708 χ^2/NDF:0.0/0

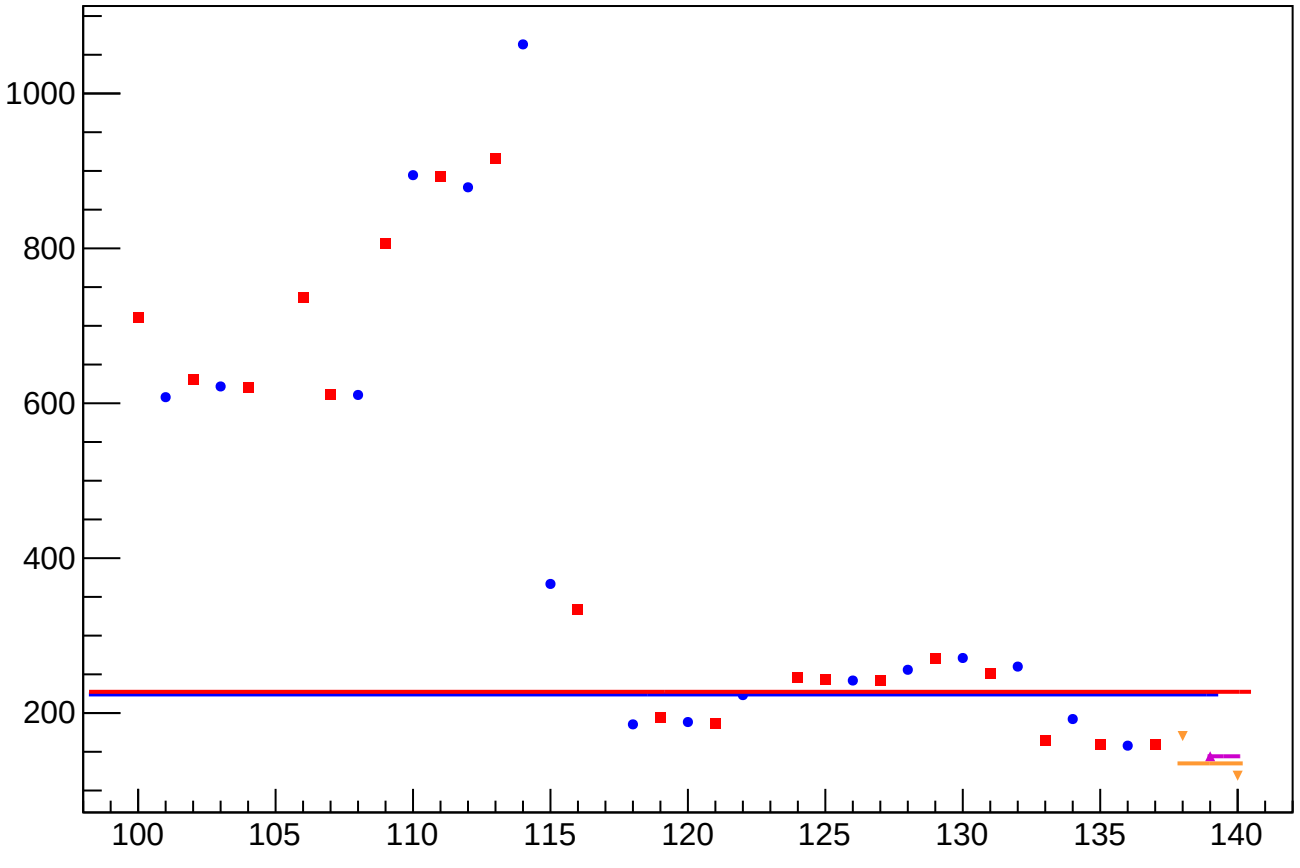
Left: 52.655+/-89.515 χ^2/NDF: 3.6/2

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 98.690+/-80.730 χ^2/NDF:13.1/16

Out: 43.982+/-71.708 χ^2/NDF:18.0/20

All: 68.109+/-53.612 χ^2/NDF: 31.4/37



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 135.011+/-0.076 χ^2/NDF:96170.7/1

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 144.200+/-0.113 χ^2/NDF:0.0/0

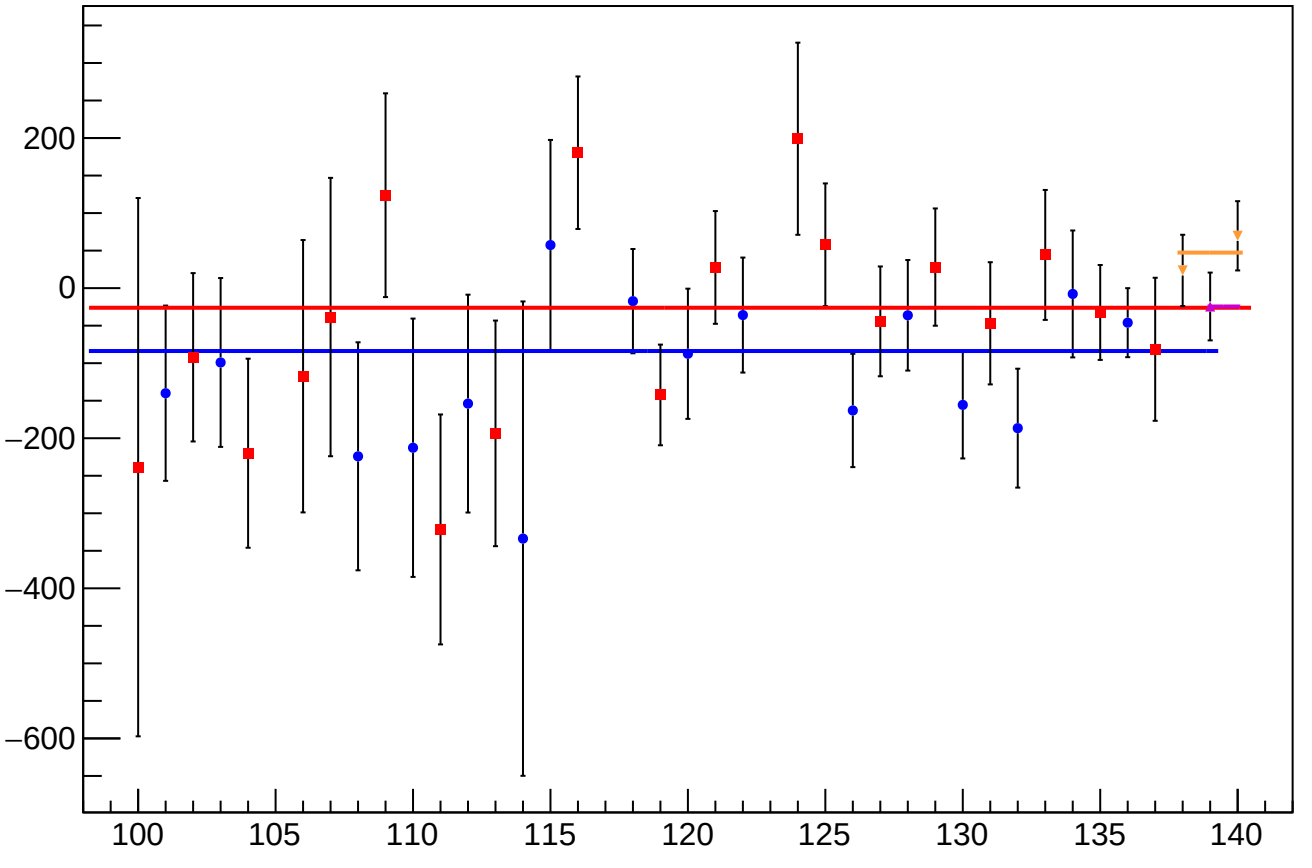
Left: 137.898+/-0.063 χ^2/NDF: 100711.2/2

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 203.641+/-0.057 χ^2/NDF:3340187.5/16

Out: 186.767+/-0.051 χ^2/NDF:4555796.2/20

All: 194.209+/-0.038 χ^2/NDF: 7944829.0/37



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 47.321+/-33.102 χ^2/NDF:0.5/1

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -24.457+/-45.174 χ^2/NDF:0.0/0

Left: 22.245+/-26.701 χ^2/NDF: 2.1/2

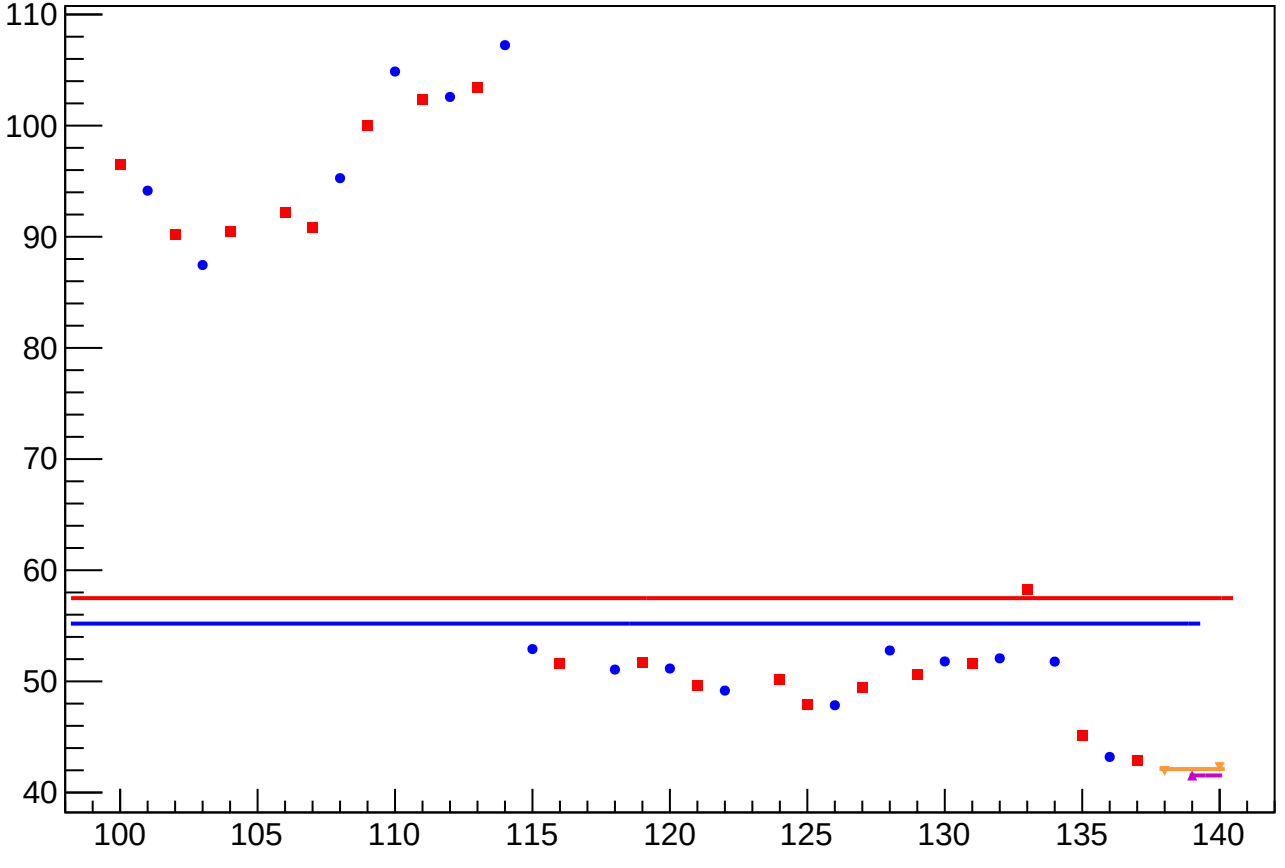
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -72.899+/-19.365 χ^2/NDF:12.0/16

Out: -3.536+/-18.362 χ^2/NDF:26.8/20

All: -36.375+/-13.324 χ^2/NDF: 45.5/37

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: 42.113+/-0.023 χ^2/NDF:52.6/1

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 41.538+/-0.032 χ^2/NDF:0.0/0

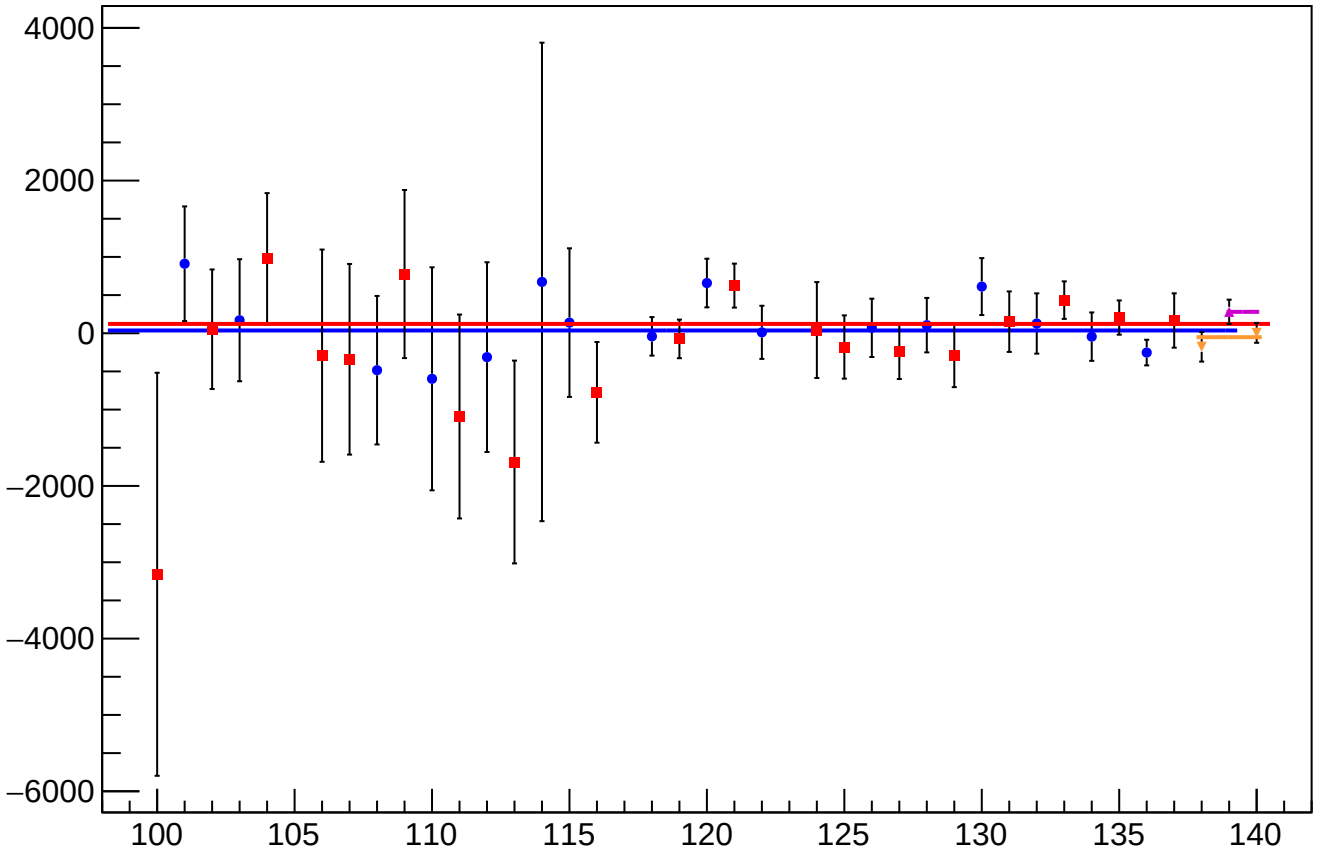
Left: 41.912+/-0.019 χ^2/NDF: 263.9/2

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 52.687+/-0.014 χ^2/NDF:1301853.1/16

Out: 52.758+/-0.013 χ^2/NDF:1573228.9/20

All: 52.725+/-0.009 χ^2/NDF: 2875096.2/37



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -51.660+/-108.089 χ^2/NDF:0.6/1

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 280.389+/-159.708 χ^2/NDF:0.0/0

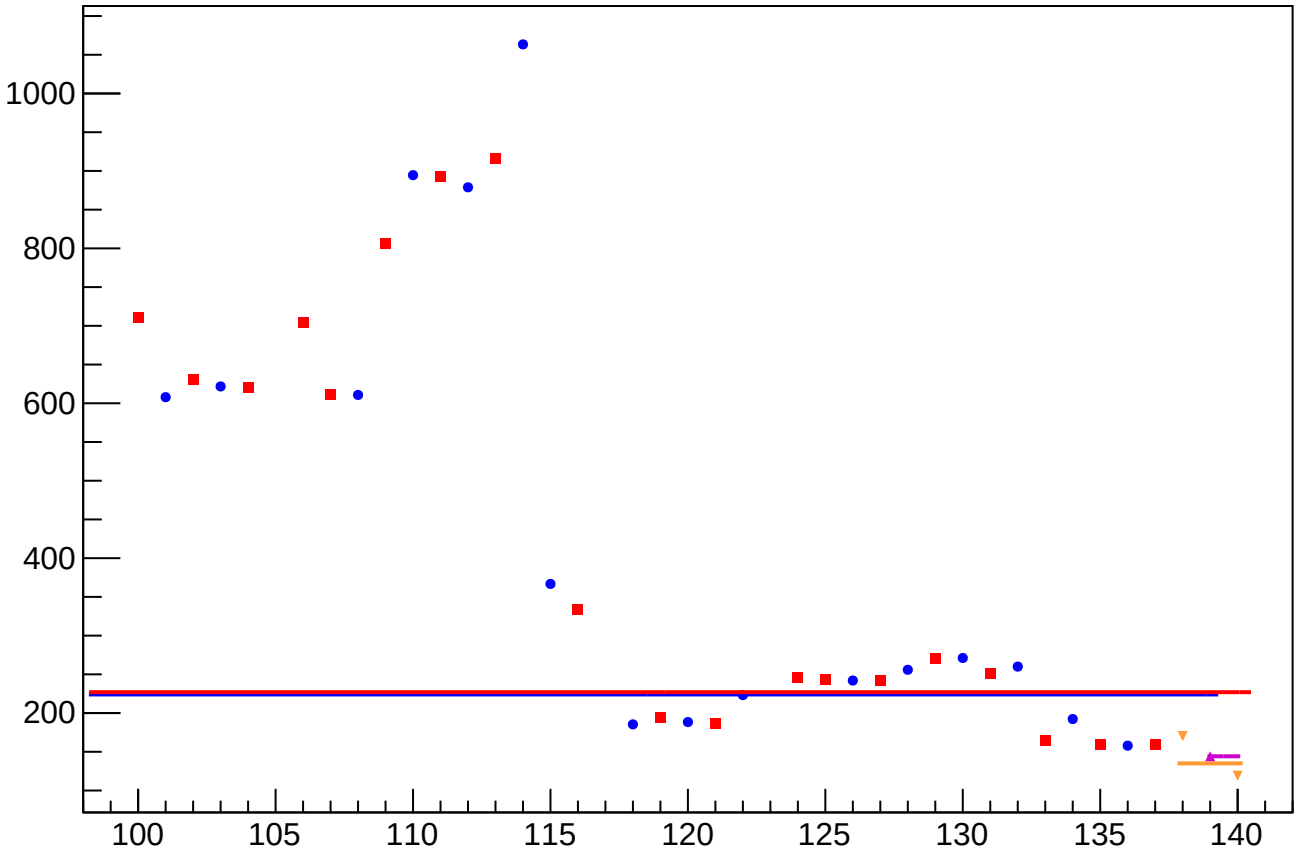
Left: 52.654+/-89.515 χ^2/NDF: 3.6/2

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 98.688+/-80.730 χ^2/NDF:13.1/16

Out: 45.703+/-71.721 χ^2/NDF:17.6/20

All: 69.075+/-53.618 χ^2/NDF: 31.0/37



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 135.011+/-0.076 χ^2/NDF:96169.5/1

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 144.200+/-0.113 χ^2/NDF:0.0/0

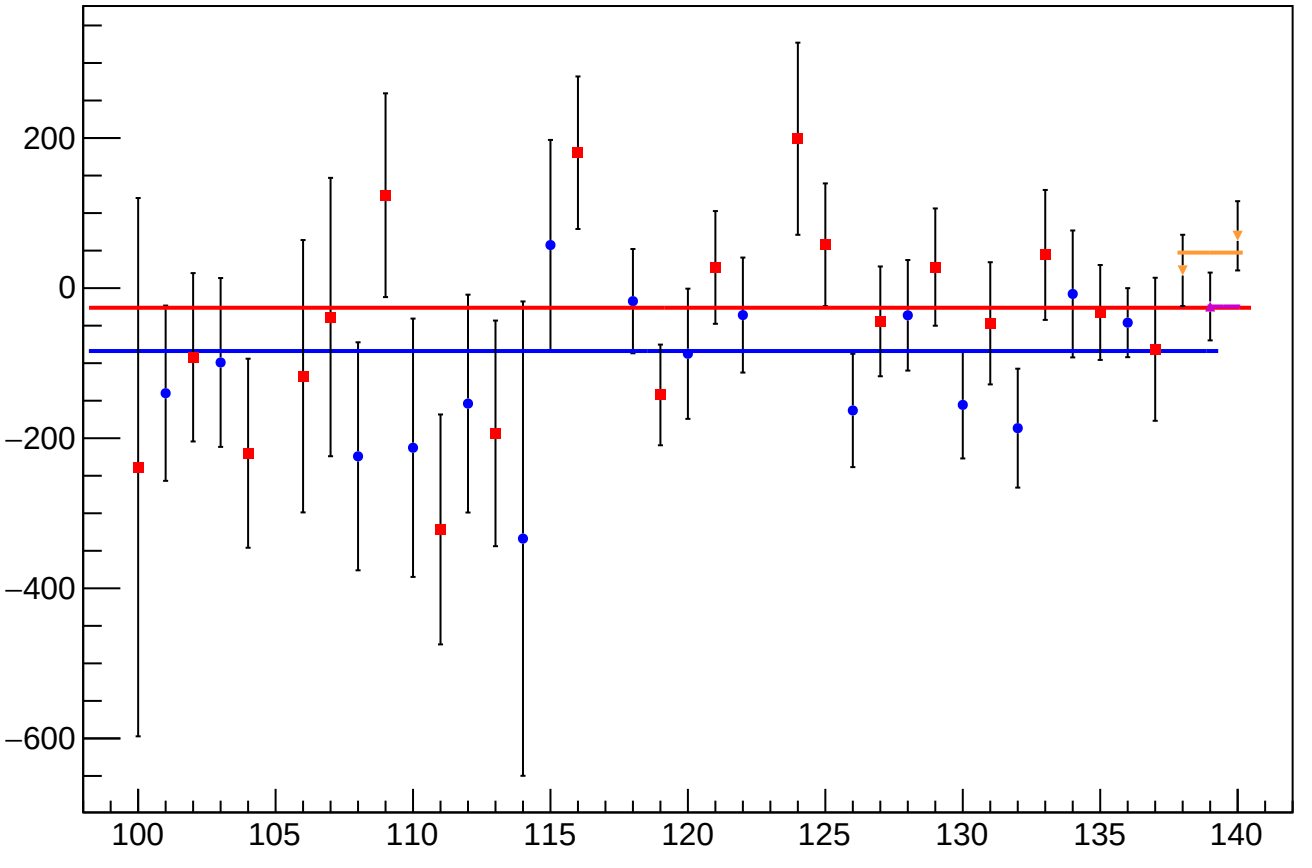
Left: 137.898+/-0.063 χ^2/NDF: 100710.0/2

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 203.641+/-0.057 χ^2/NDF:3340193.8/16

Out: 186.483+/-0.051 χ^2/NDF:4478394.4/20

All: 194.052+/-0.038 χ^2/NDF: 7869080.2/37



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 47.321+/-33.102 χ^2/NDF:0.5/1

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -24.457+/-45.174 χ^2/NDF:0.0/0

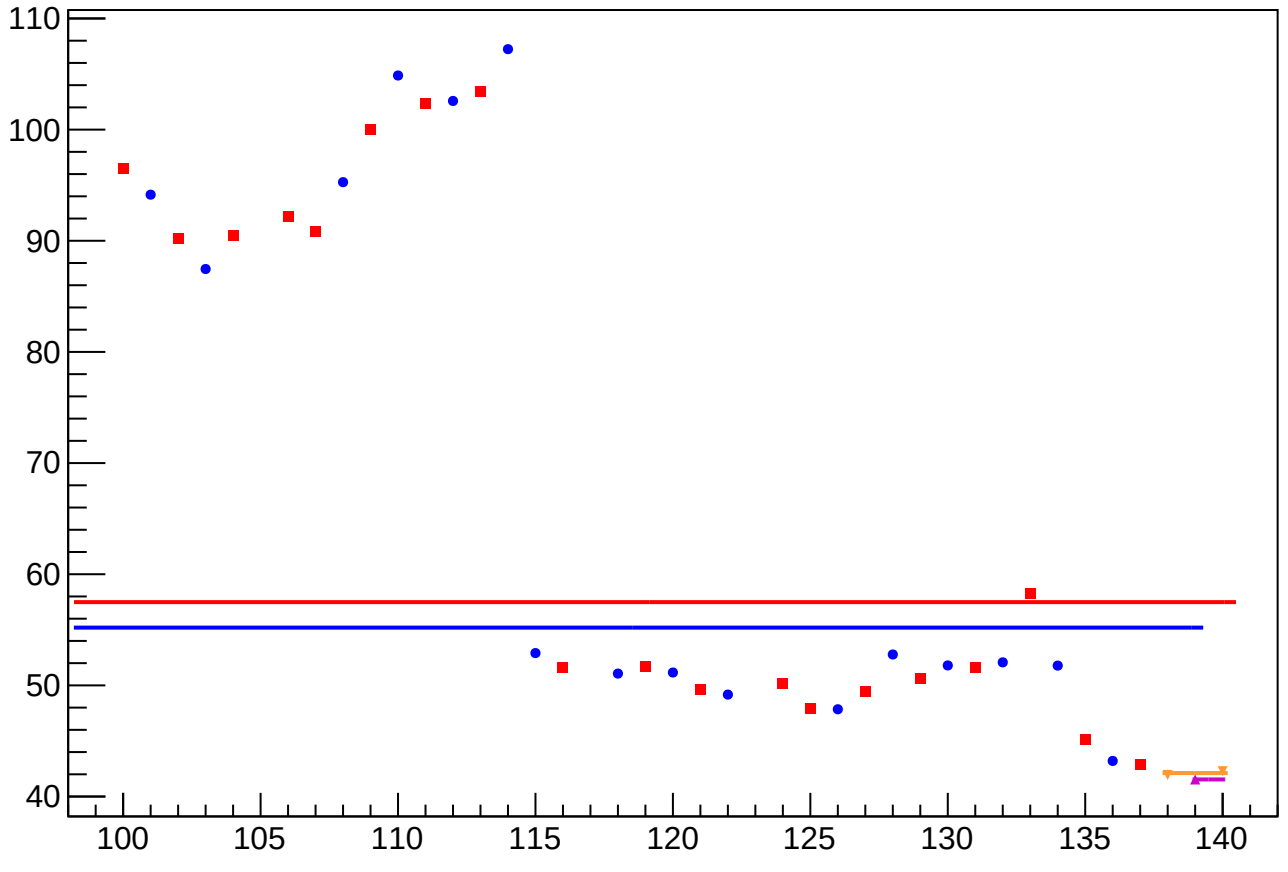
Left: 22.245+/-26.701 χ^2/NDF: 2.1/2

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -72.899+/-19.365 χ^2/NDF:12.0/16

Out: -3.536+/-18.362 χ^2/NDF:26.8/20

All: -36.375+/-13.324 χ^2/NDF: 45.5/37



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 42.113+/-0.023 χ^2/NDF:52.6/1

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 41.538+/-0.032 χ^2/NDF:0.0/0

Left: 41.912+/-0.019 χ^2/NDF: 263.9/2

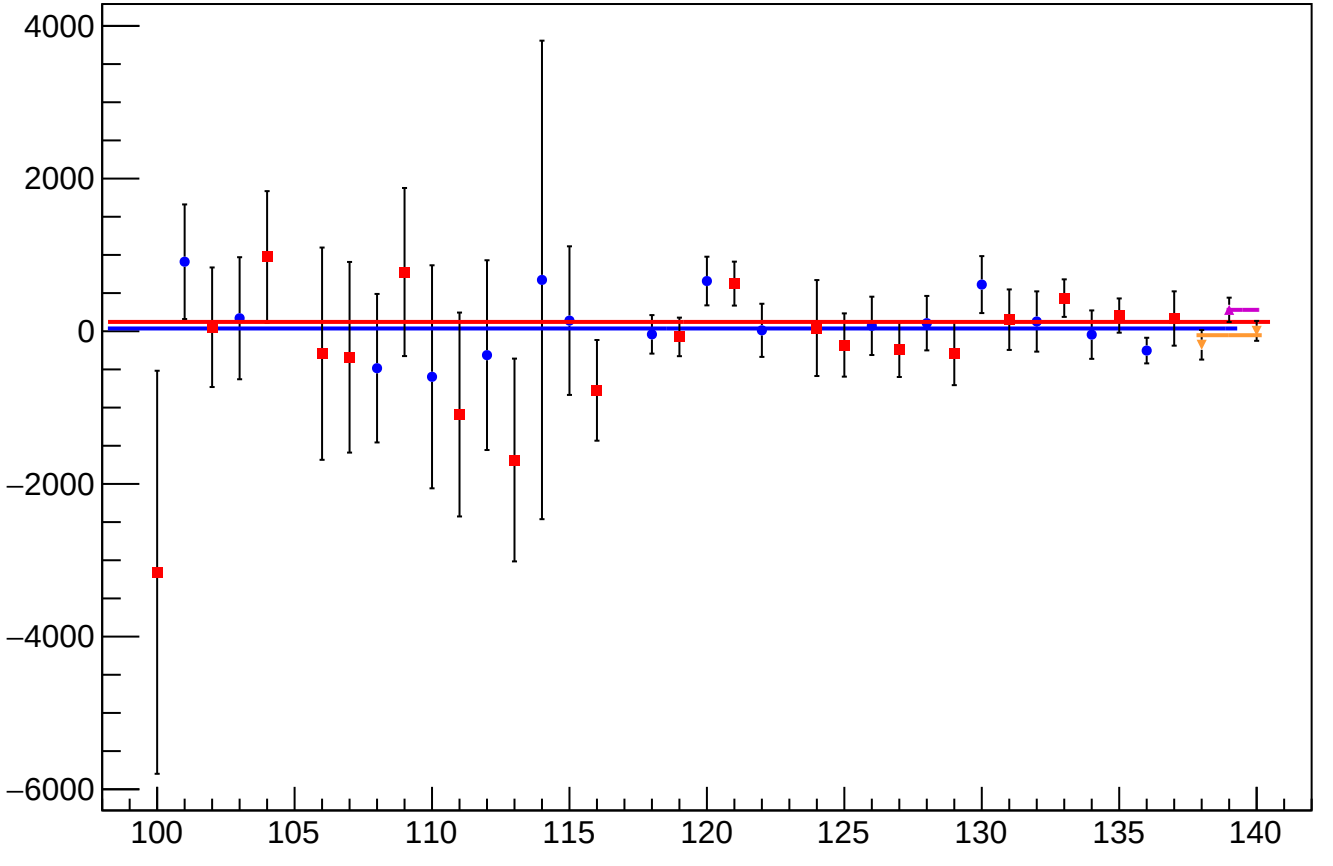
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 52.687+/-0.014 χ^2/NDF:1301853.1/16

Out: 52.758+/-0.013 χ^2/NDF:1573228.9/20

All: 52.725+/-0.009 χ^2/NDF: 2875096.2/37

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -51.660+/-108.089 χ^2/NDF:0.6/1

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 280.389+/-159.708 χ^2/NDF:0.0/0

Left: 52.654+/-89.515 χ^2/NDF: 3.6/2

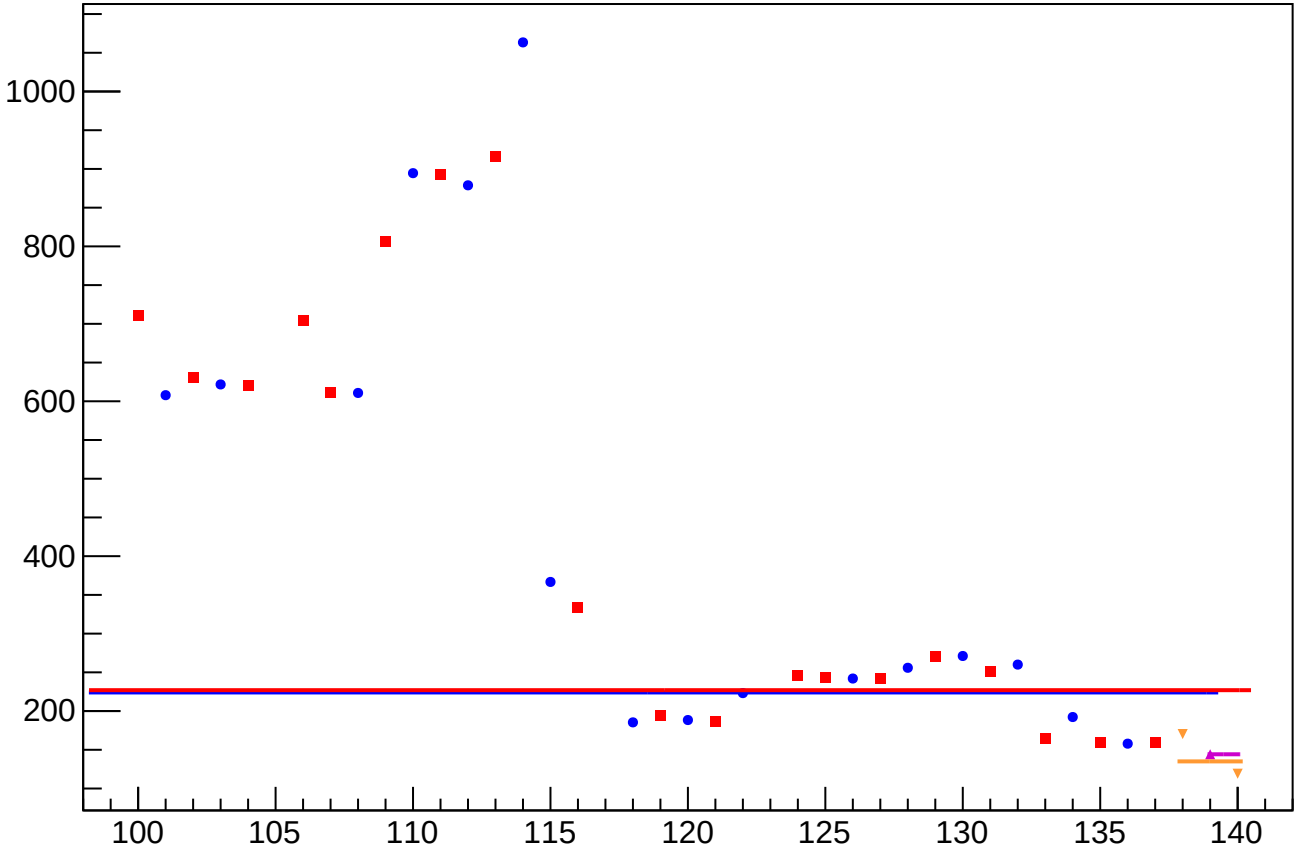
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 98.688+/-80.730 χ^2/NDF:13.1/16

Out: 45.703+/-71.721 χ^2/NDF:17.6/20

All: 69.075+/-53.618 χ^2/NDF: 31.0/37

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 135.011+/-0.076 χ^2/NDF:96169.5/1

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 144.200+/-0.113 χ^2/NDF:0.0/0

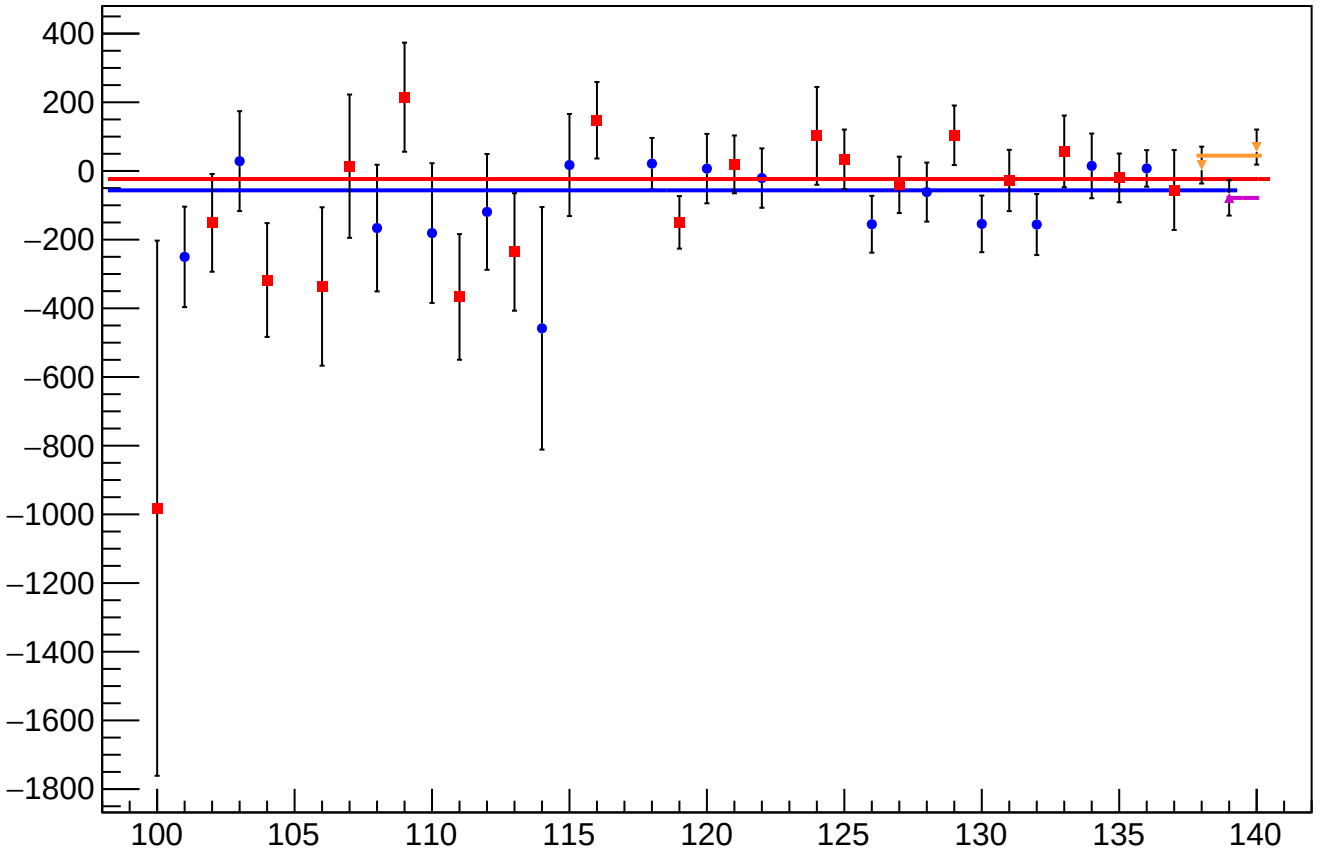
Left: 137.898+/-0.063 χ^2/NDF: 100710.0/2

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 203.641+/-0.057 χ^2/NDF:3340193.8/16

Out: 186.483+/-0.051 χ^2/NDF:4478394.4/20

All: 194.052+/-0.038 χ^2/NDF: 7869080.2/37



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 44.650+/-36.988 χ^2/NDF:0.5/1

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -78.489+/-51.417 χ^2/NDF:0.0/0

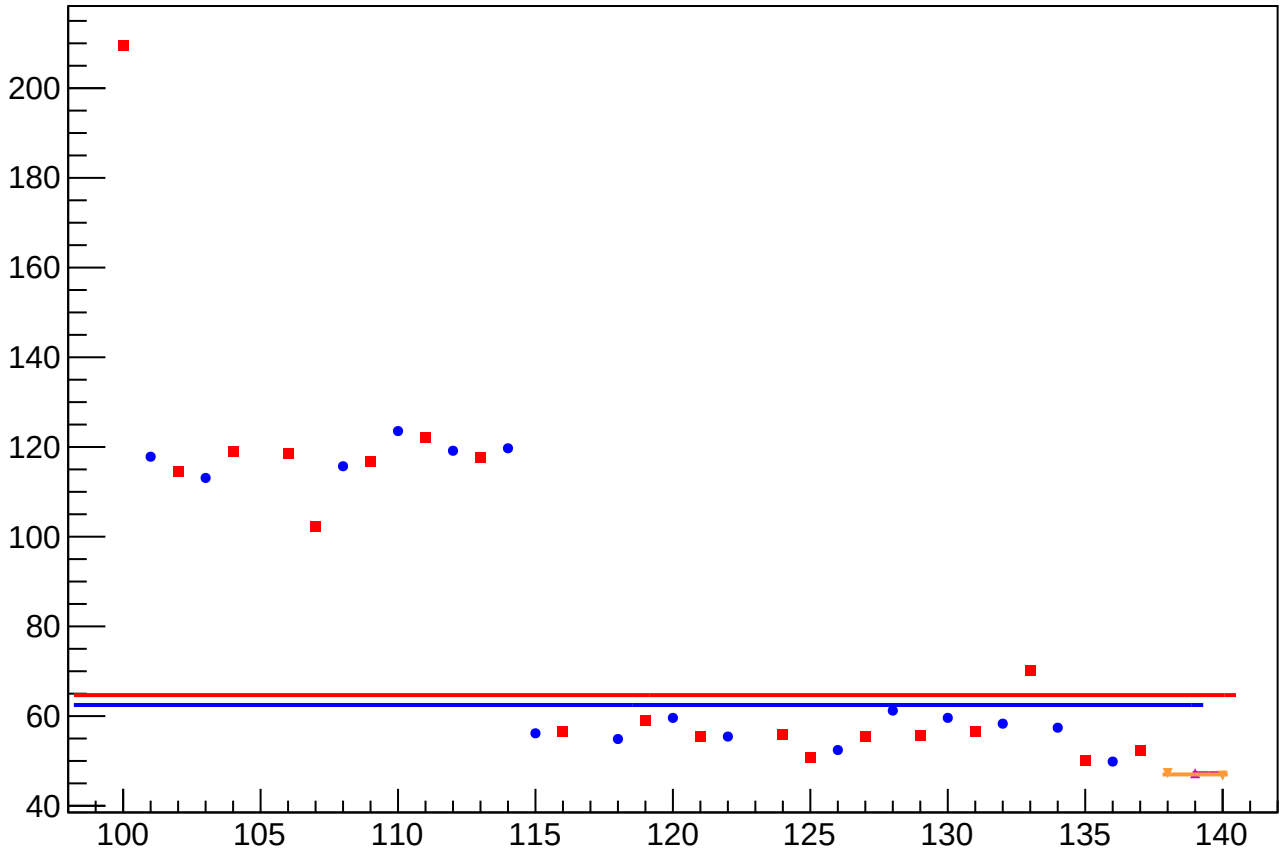
Left: 2.656+/-30.026 χ^2/NDF: 4.3/2

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -60.495+/-22.109 χ^2/NDF:12.4/16

Out: -1.939+/-20.804 χ^2/NDF:26.9/20

All: -29.437+/-15.151 χ^2/NDF: 43.0/37



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 46.991+/-0.026 χ^2/NDF:114.0/1

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 47.267+/-0.036 χ^2/NDF:0.0/0

Left: 47.085+/-0.021 χ^2/NDF: 152.0/2

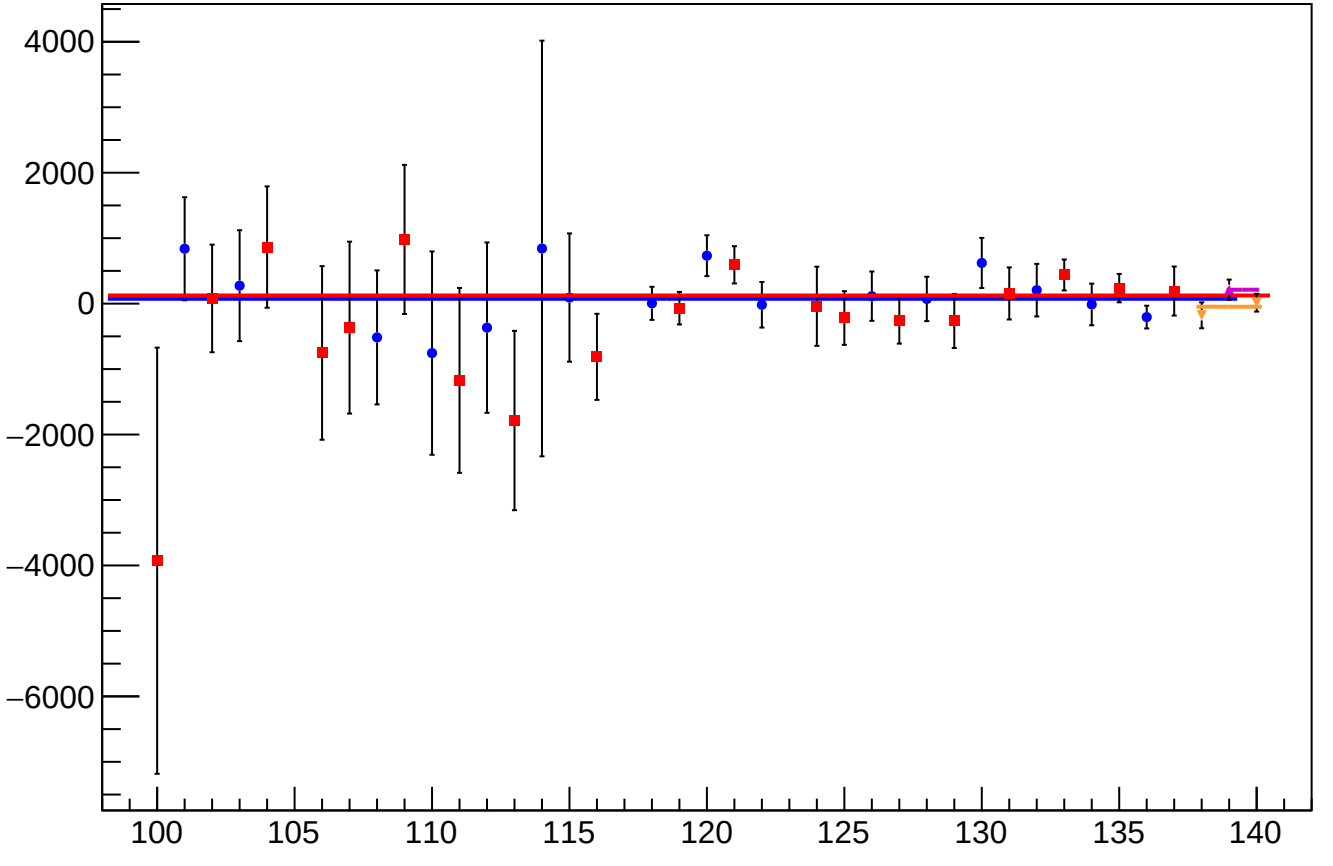
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 59.662+/-0.016 χ^2/NDF:1490830.8/16

Out: 59.084+/-0.015 χ^2/NDF:1903299.1/20

All: 59.356+/-0.011 χ^2/NDF: 3394854.5/37

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -47.492+/-112.151 χ^2/NDF:0.7/1

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 212.423+/-154.532 χ^2/NDF:0.0/0

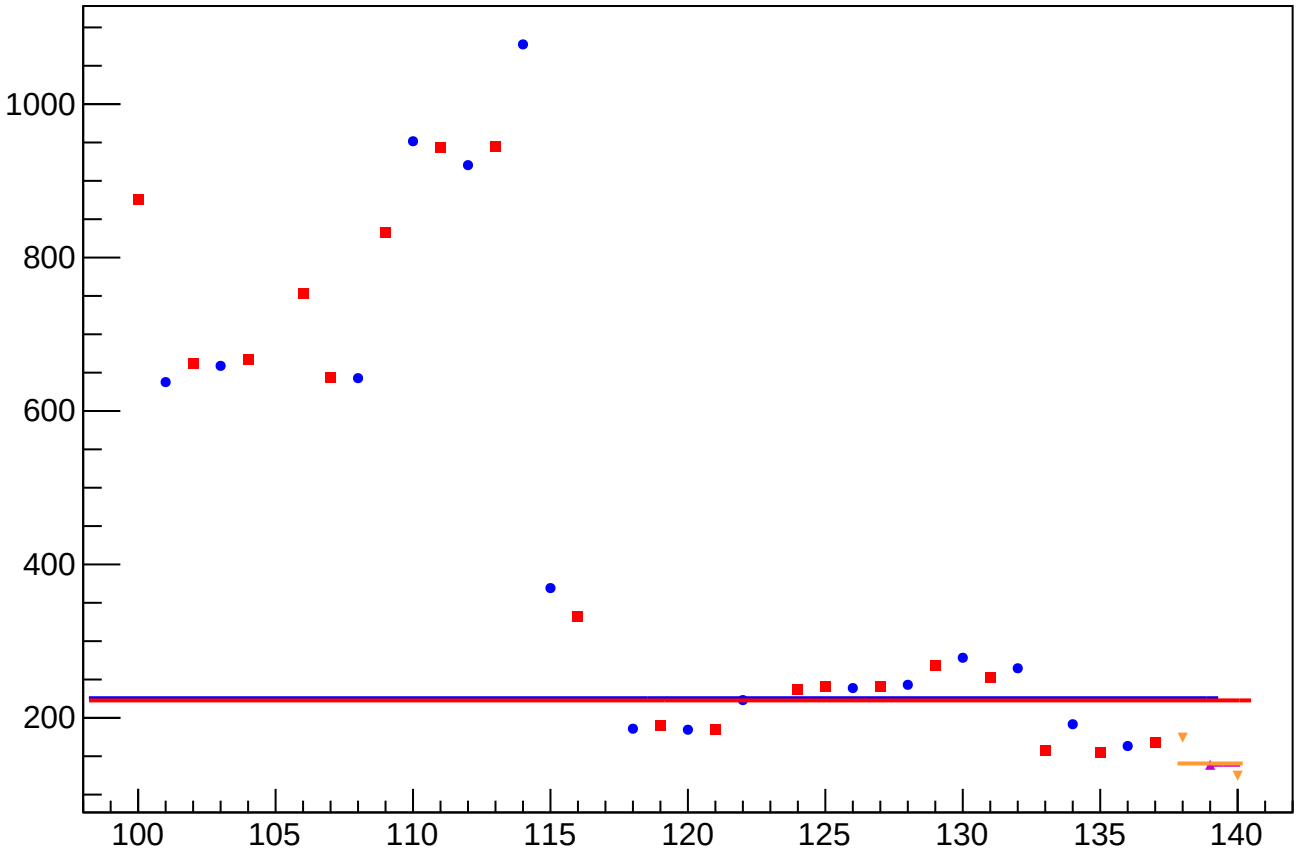
Left: 42.178+/-90.767 χ^2/NDF: 2.5/2

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 111.885+/-80.615 χ^2/NDF:11.8/16

Out: 52.768+/-72.340 χ^2/NDF:18.4/20

All: 79.137+/-53.841 χ^2/NDF: 30.4/37



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 140.560+/-0.079 χ^2/NDF:85310.7/1

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 138.900+/-0.109 χ^2/NDF:0.0/0

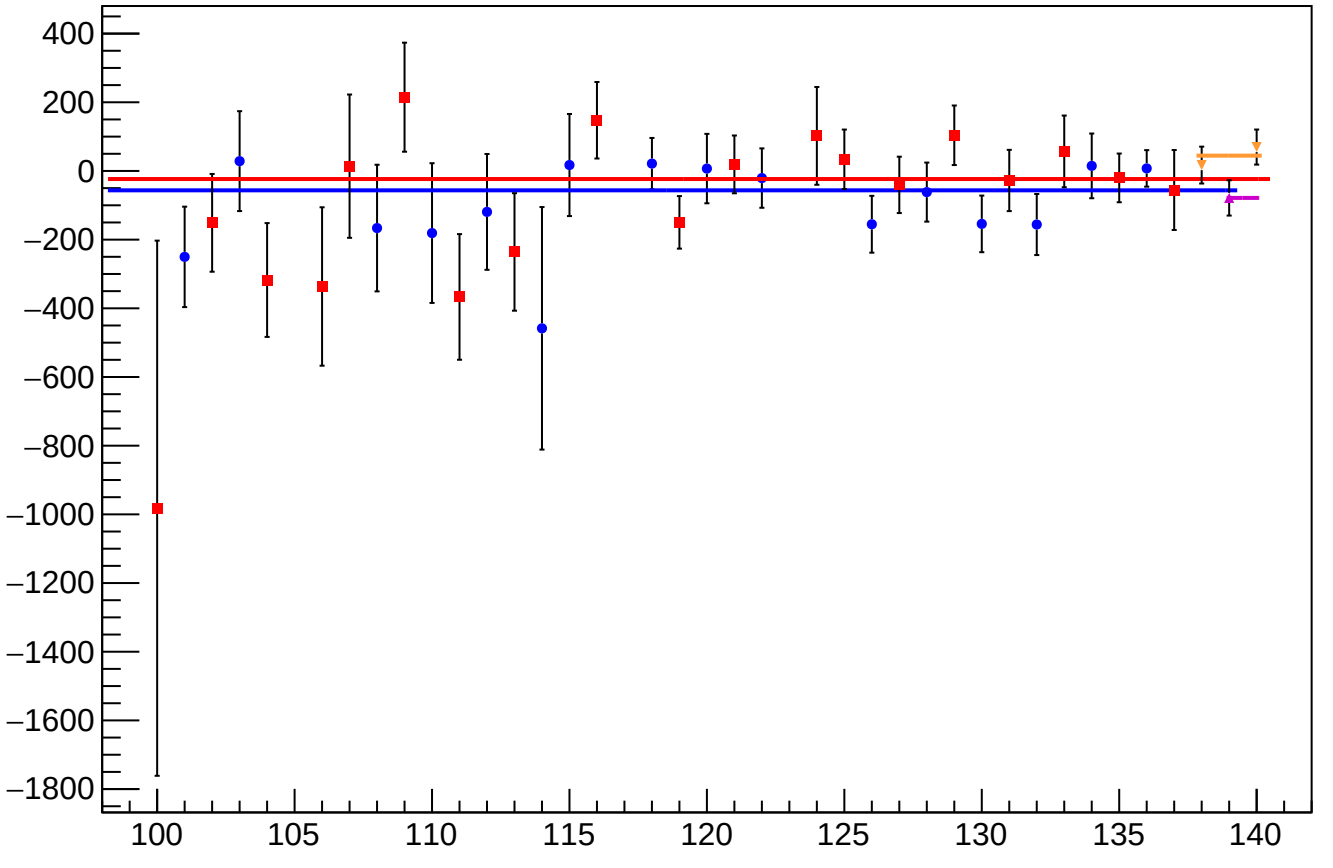
Left: 139.987+/-0.064 χ^2/NDF: 85461.7/2

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 202.015+/-0.057 χ^2/NDF:3484378.5/16

Out: 188.576+/-0.051 χ^2/NDF:4561264.6/20

All: 194.570+/-0.038 χ^2/NDF: 8076435.9/37



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 44.651+/-36.988 χ^2/NDF:0.5/1

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: -78.486+/-51.416 χ^2/NDF:0.0/0

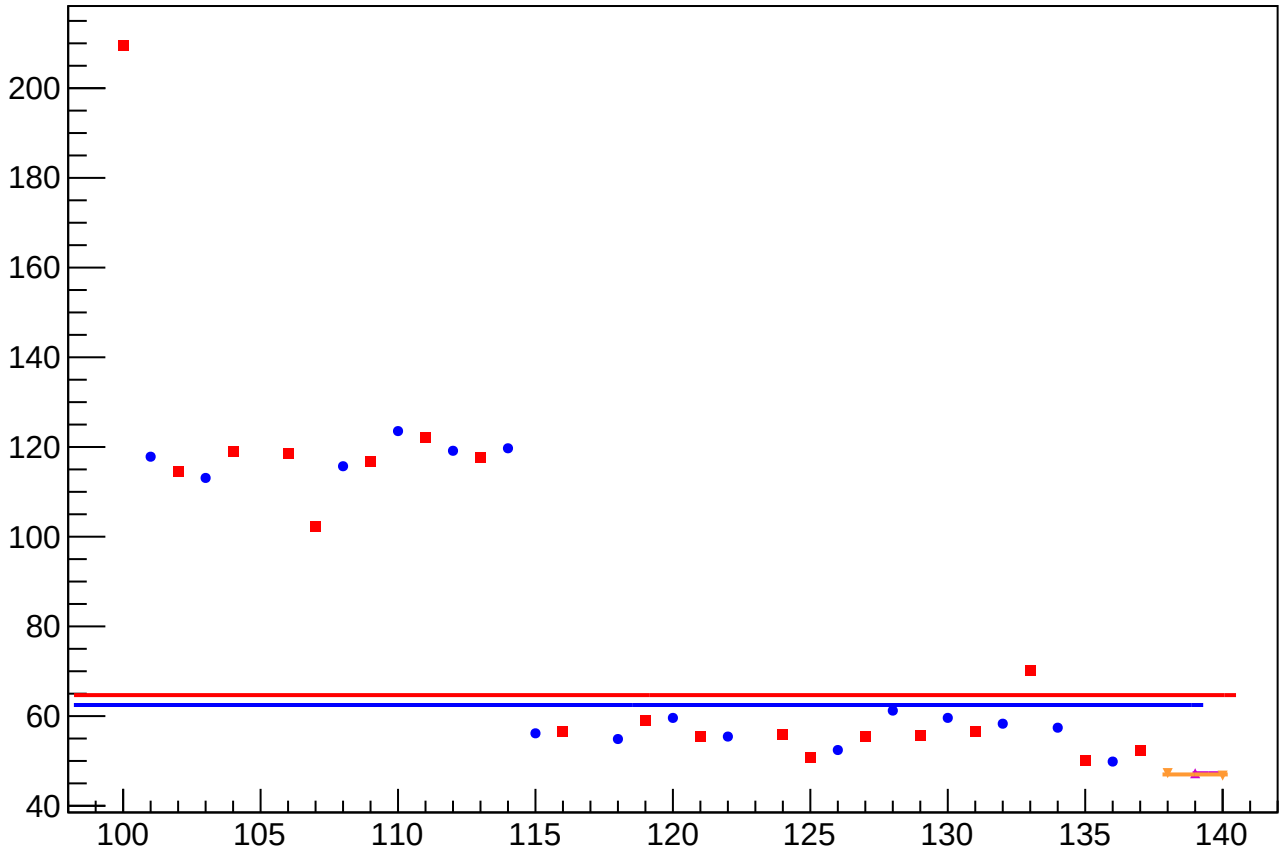
Left: 2.658+/-30.026 χ^2/NDF: 4.3/2

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -60.496+/-22.109 χ^2/NDF:12.4/16

Out: -1.940+/-20.804 χ^2/NDF:26.9/20

All: -29.438+/-15.151 χ^2/NDF: 43.0/37



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 46.991+/-0.026 χ^2/NDF:113.8/1

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 47.267+/-0.036 χ^2/NDF:0.0/0

Left: 47.085+/-0.021 χ^2/NDF: 151.7/2

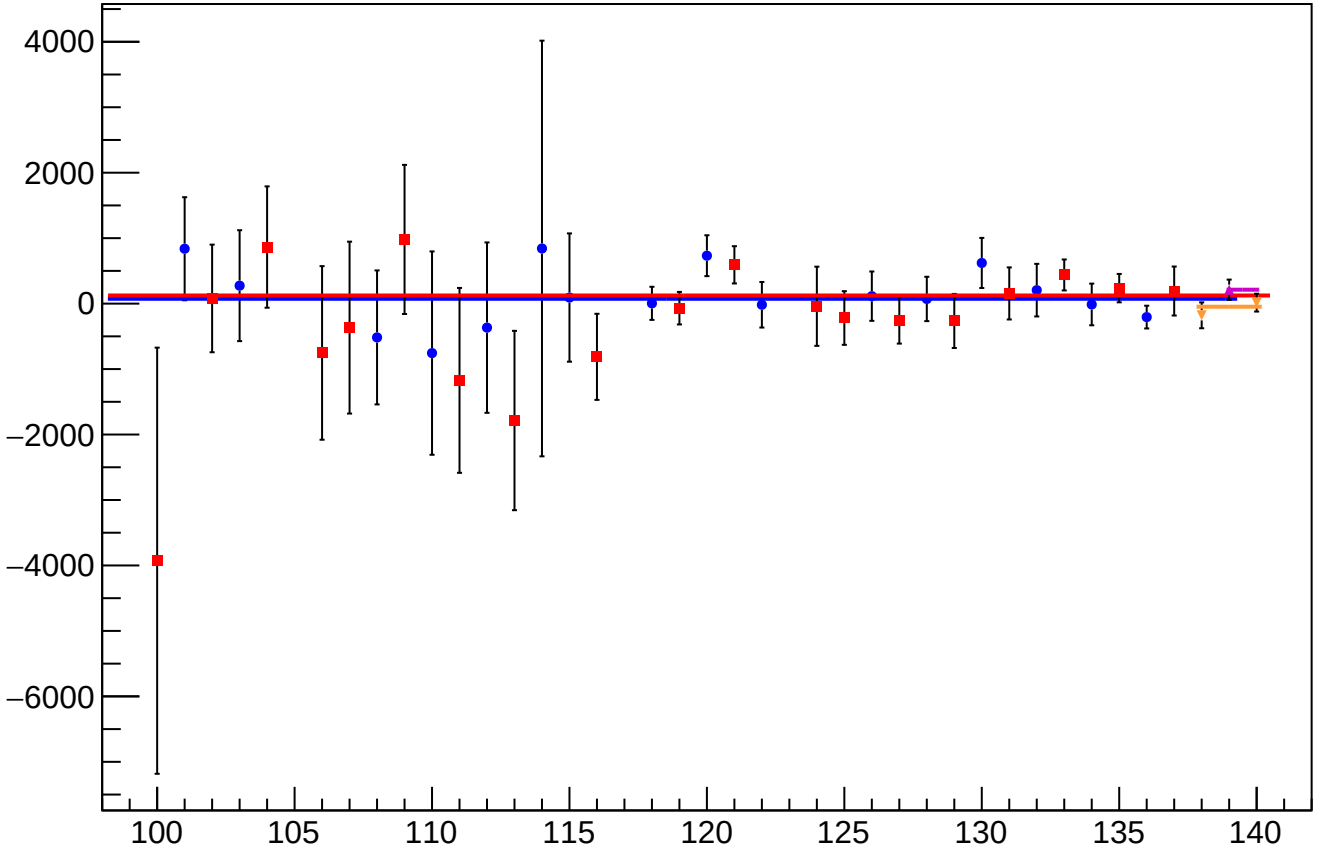
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 59.662+/-0.016 χ^2/NDF:1490809.6/16

Out: 59.084+/-0.015 χ^2/NDF:1903266.5/20

All: 59.356+/-0.011 χ^2/NDF: 3394799.9/37

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -47.491+/-112.152 χ^2/NDF:0.7/1

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 212.425+/-154.532 χ^2/NDF:0.0/0

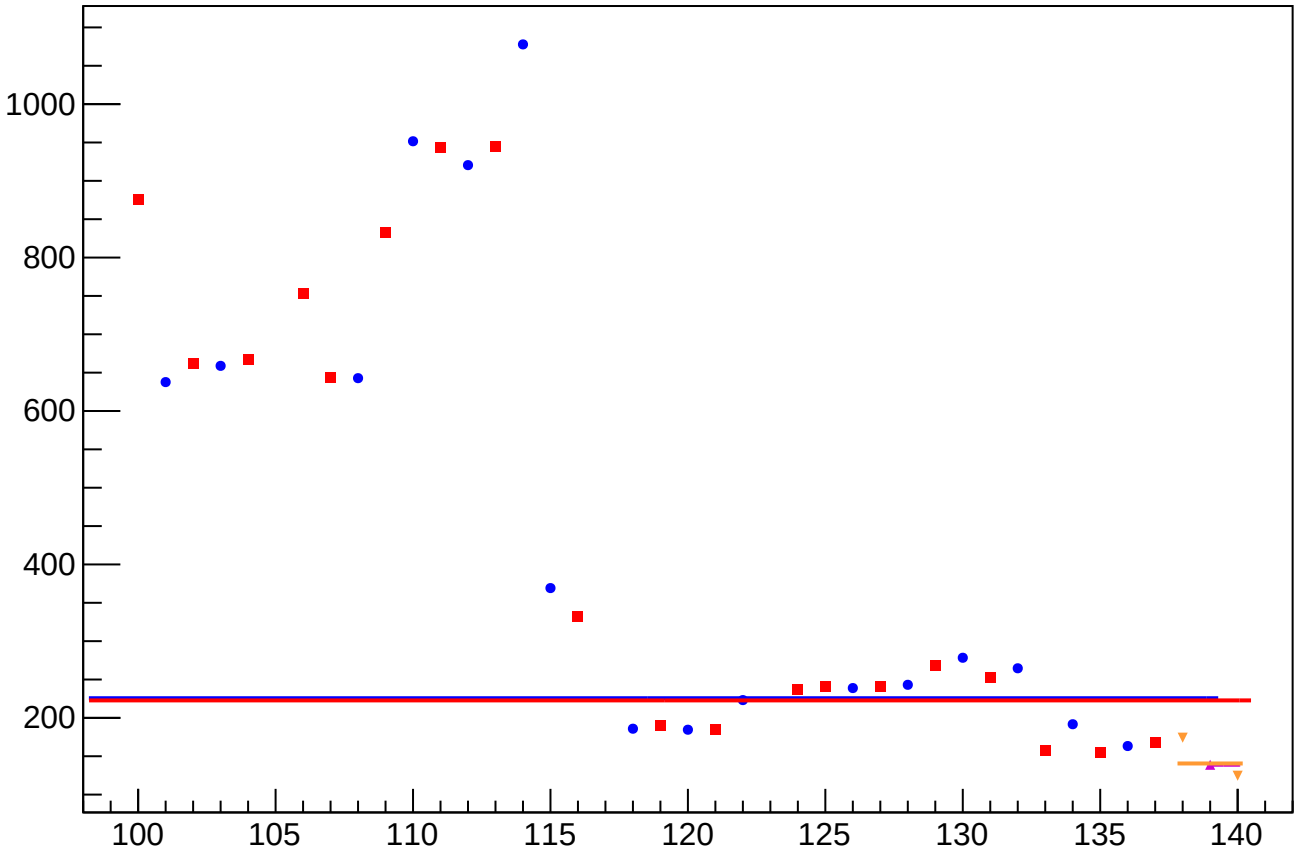
Left: 42.180+/-90.767 χ^2/NDF: 2.5/2

Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 111.886+/-80.616 χ^2/NDF:11.8/16

Out: 52.768+/-72.340 χ^2/NDF:18.4/20

All: 79.138+/-53.841 χ^2/NDF: 30.4/37



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 140.561+/-0.079 χ^2/NDF:85310.8/1

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 138.901+/-0.109 χ^2/NDF:0.0/0

Left: 139.988+/-0.064 χ^2/NDF: 85462.0/2

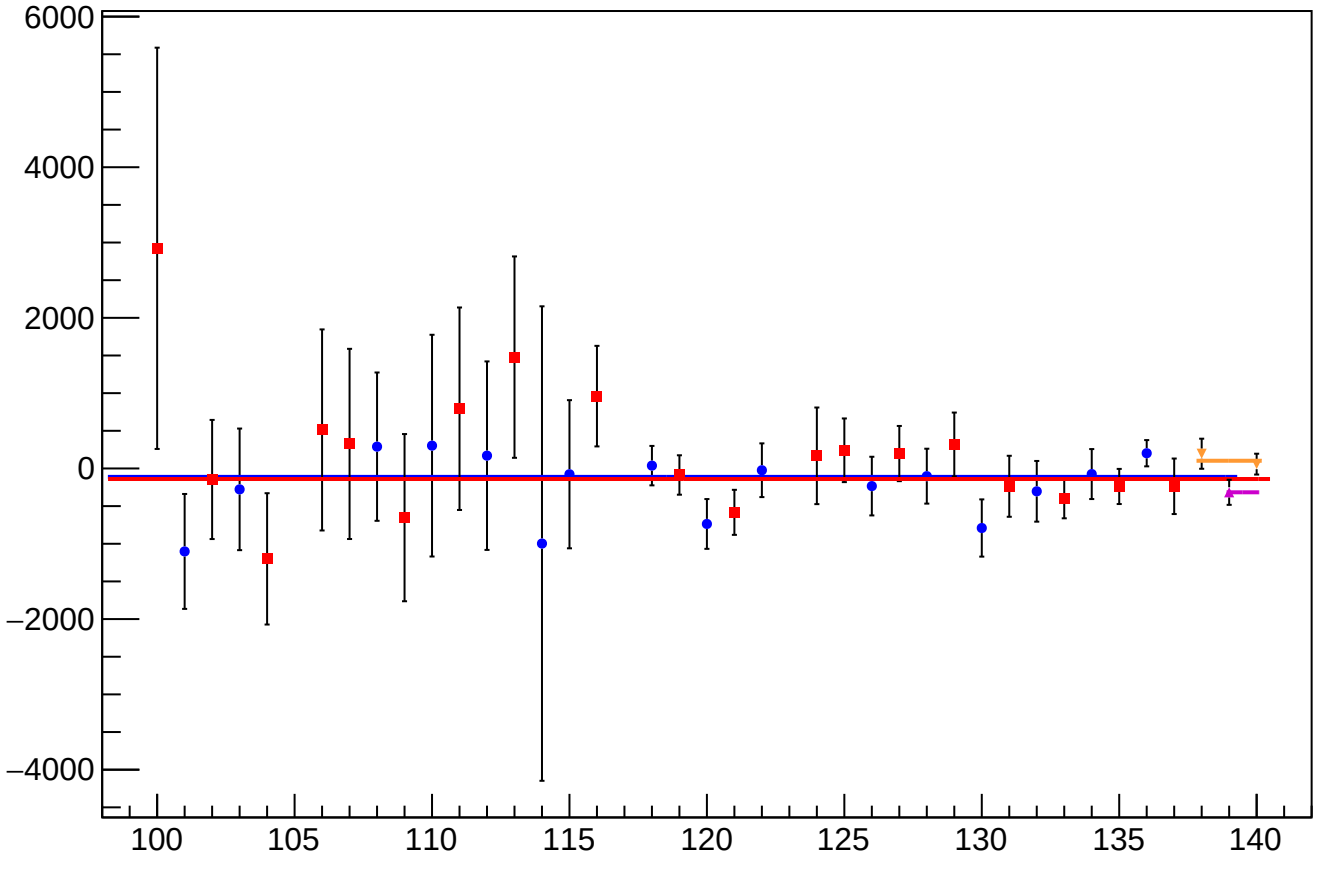
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 202.016+/-0.057 χ^2/NDF:3484356.6/16

Out: 188.577+/-0.051 χ^2/NDF:4561230.0/20

All: 194.571+/-0.038 χ^2/NDF: 8076376.1/37

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 102.275+/-113.757 χ^2/NDF:0.3/1

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -316.555+/-166.623 χ^2/NDF:0.0/0

Left: -30.881+/-93.950 χ^2/NDF: 4.6/2

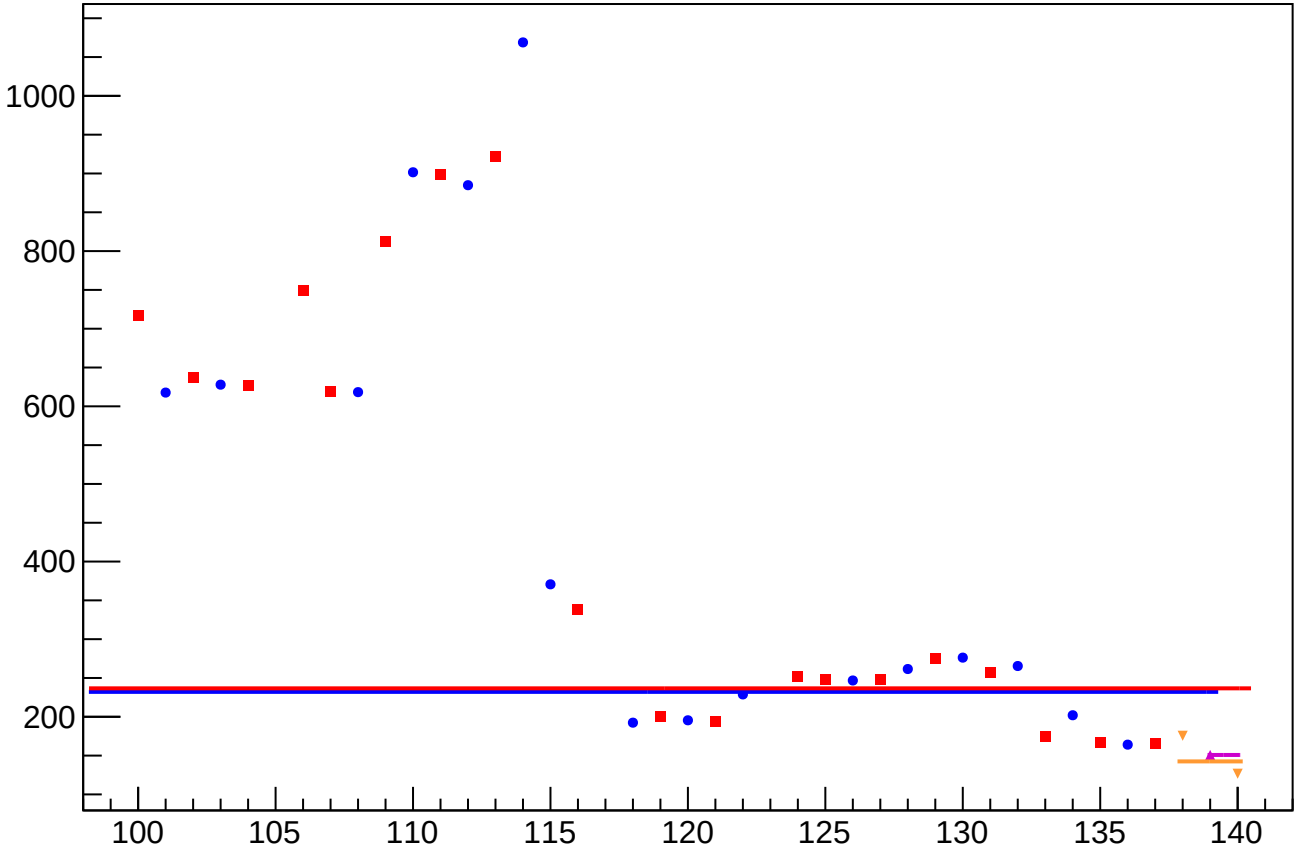
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -163.355+/-83.539 χ^2/NDF:14.0/16

Out: -35.364+/-74.754 χ^2/NDF:17.5/20

All: -92.278+/-55.707 χ^2/NDF: 32.8/37

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 142.509+/-0.080 χ^2/NDF:81040.6/1

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 150.819+/-0.118 χ^2/NDF:0.0/0

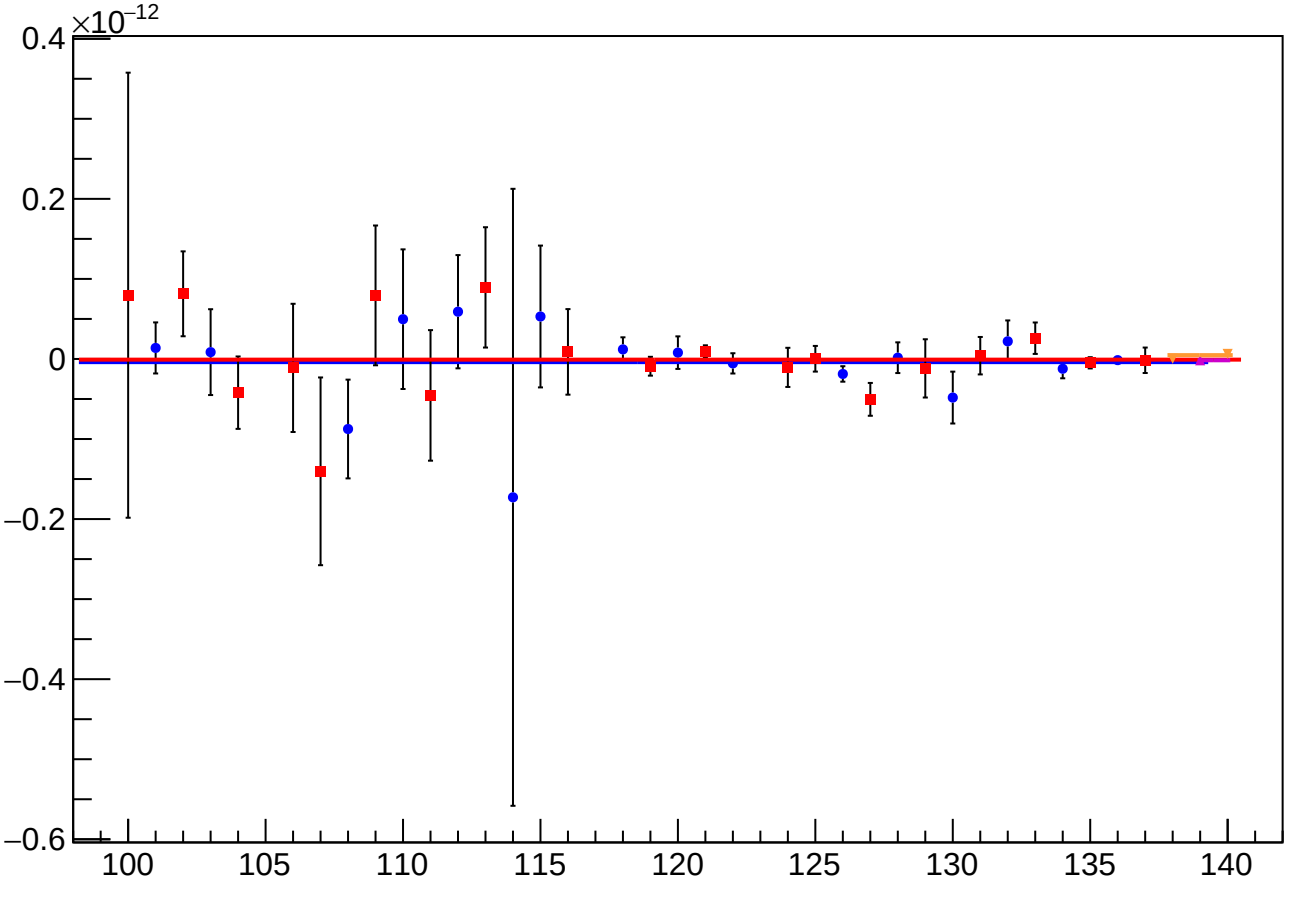
Left: 145.151+/-0.066 χ^2/NDF: 84433.9/2

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 211.674+/-0.059 χ^2/NDF:3241862.2/16

Out: 195.995+/-0.053 χ^2/NDF:4380253.7/20

All: 202.967+/-0.039 χ^2/NDF: 7661236.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

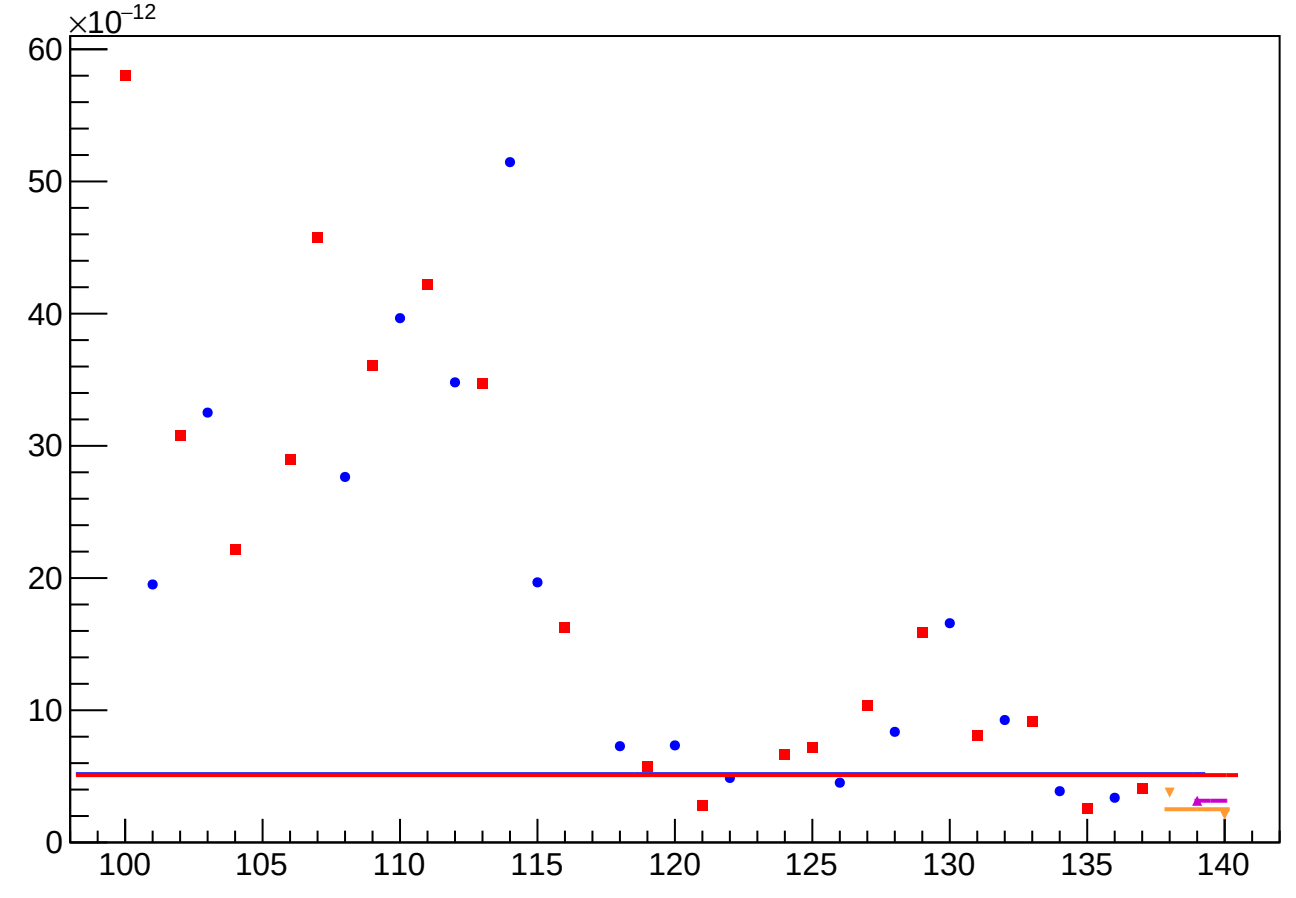
Left: 0.000+/-0.000 χ^2/NDF: 1.9/2

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: -0.000+/-0.000 χ^2/NDF:11.6/16

Out: 0.000+/-0.000 χ^2/NDF:20.1/20

All: 0.000+/-0.000 χ^2/NDF: 33.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:108726.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

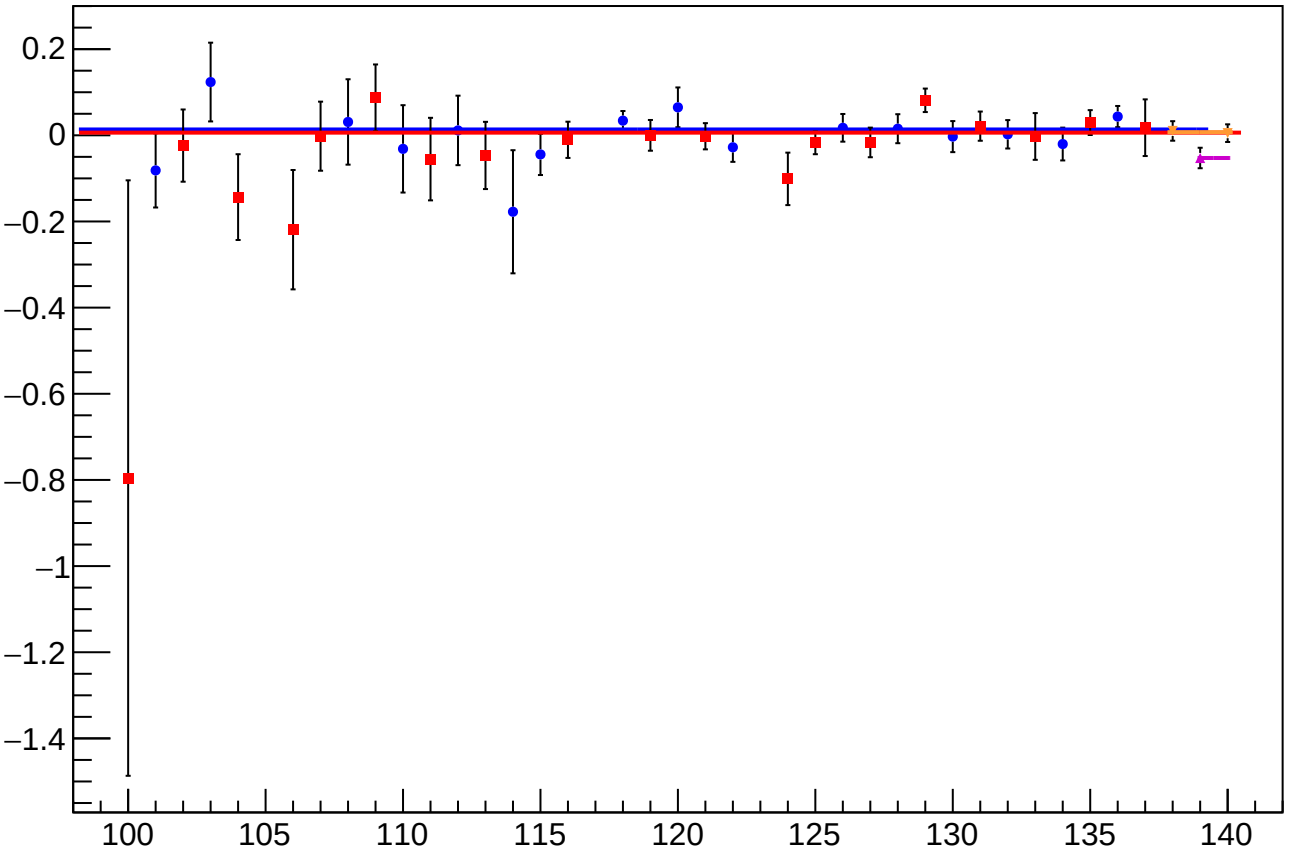
Left: 0.000+/-0.000 χ^2/NDF: 132389.1/2

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:2824635.4/16

Out: 0.000+/-0.000 χ^2/NDF:3874255.7/20

All: 0.000+/-0.000 χ^2/NDF: 6827936.5/37



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.007+/-0.015 χ^2/NDF:0.0/1

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.053+/-0.024 χ^2/NDF:0.0/0

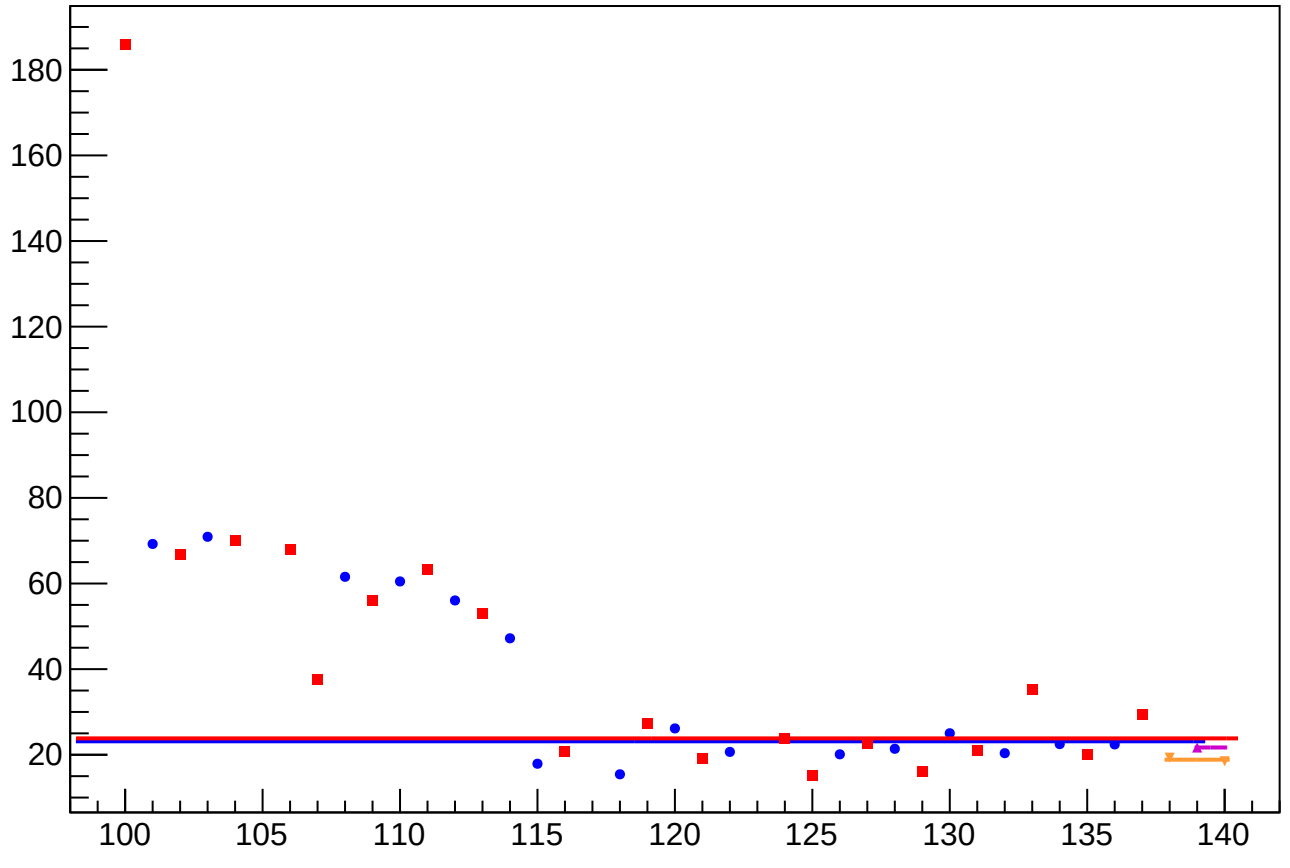
Left: -0.010+/-0.013 χ^2/NDF: 4.5/2

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.009 χ^2/NDF:18.9/16

Out: 0.007+/-0.008 χ^2/NDF:21.5/20

All: 0.005+/-0.006 χ^2/NDF: 40.5/37



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 18.851+/-0.011 χ^2/NDF:1532.0/1

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 21.700+/-0.017 χ^2/NDF:0.0/0

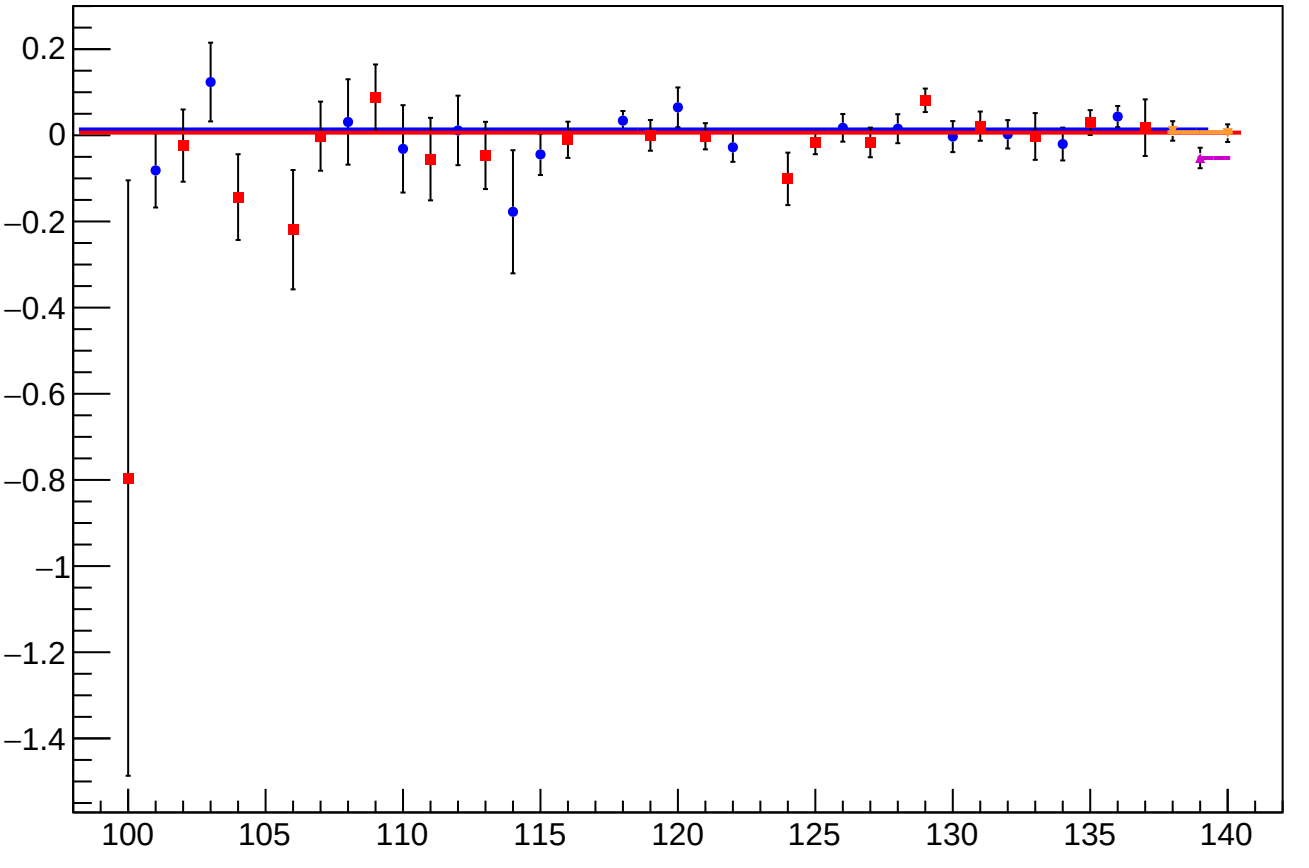
Left: 19.678+/-0.009 χ^2/NDF: 21903.9/2

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 22.933+/-0.006 χ^2/NDF:2412735.4/16

Out: 22.309+/-0.006 χ^2/NDF:3049230.5/20

All: 22.596+/-0.004 χ^2/NDF: 5467059.1/37



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.007+/-0.015 χ^2/NDF:0.0/1

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.053+/-0.024 χ^2/NDF:0.0/0

Left: -0.010+/-0.013 χ^2/NDF: 4.5/2

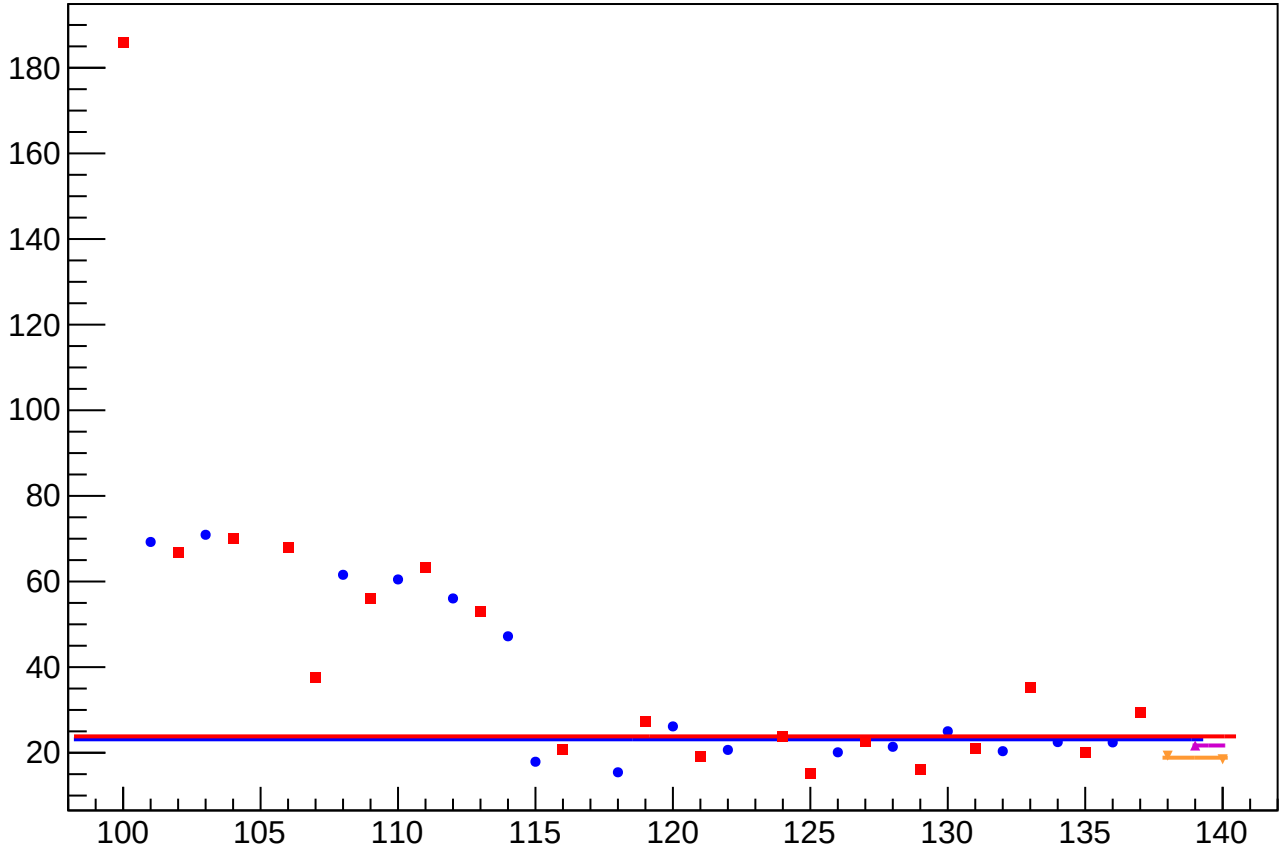
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.009 χ^2/NDF:18.9/16

Out: 0.007+/-0.008 χ^2/NDF:21.5/20

All: 0.005+/-0.006 χ^2/NDF: 40.5/37

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 18.851+/-0.011 χ^2/NDF:1532.0/1

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 21.700+/-0.017 χ^2/NDF:0.0/0

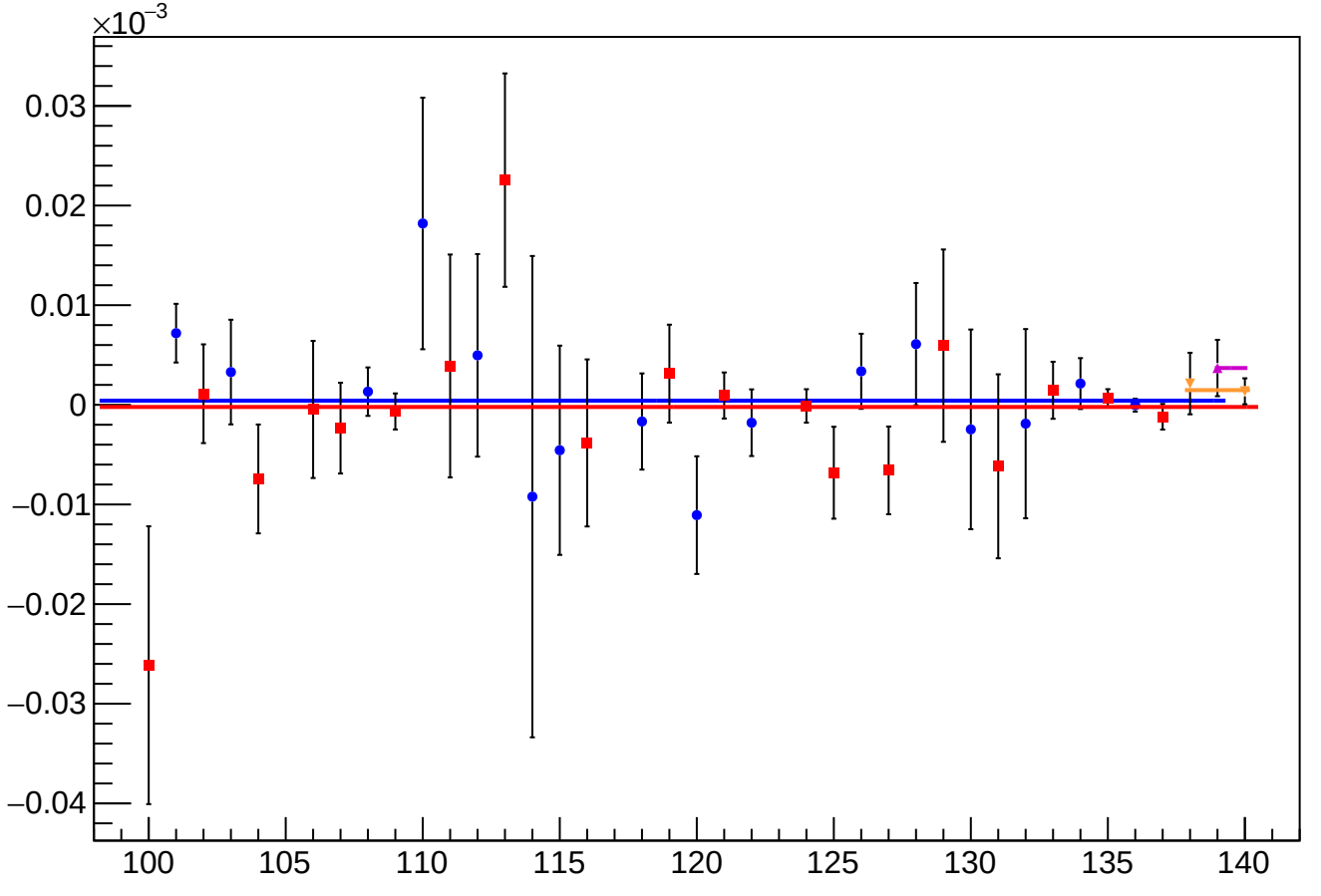
Left: 19.678+/-0.009 χ^2/NDF: 21903.9/2

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 22.933+/-0.006 χ^2/NDF:2412735.4/16

Out: 22.309+/-0.006 χ^2/NDF:3049230.5/20

All: 22.596+/-0.004 χ^2/NDF: 5467059.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

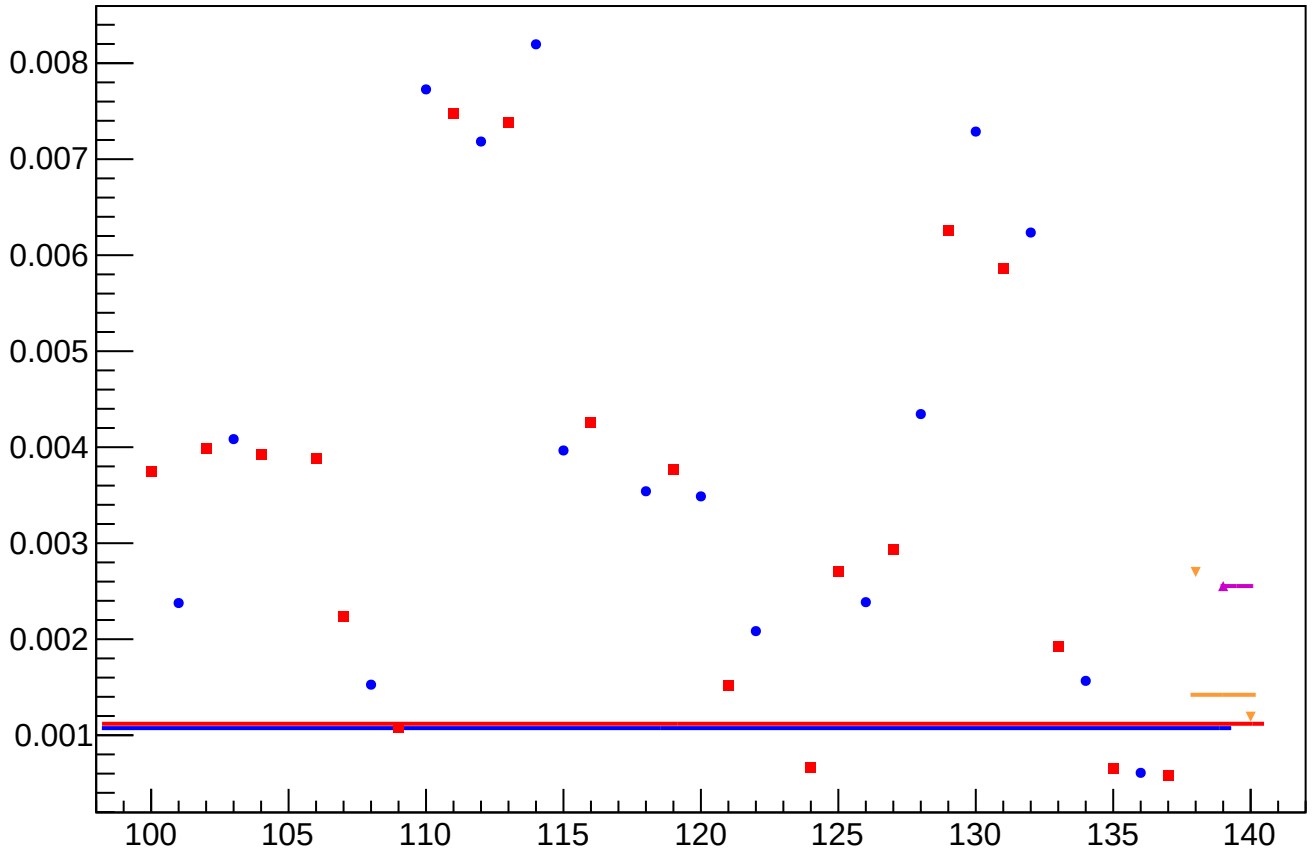
Left: 0.000+/-0.000 χ^2/NDF: 0.6/2

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:16.5/16

Out: 0.000+/-0.000 χ^2/NDF:19.6/20

All: 0.000+/-0.000 χ^2/NDF: 36.5/37



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:404437.7/1

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

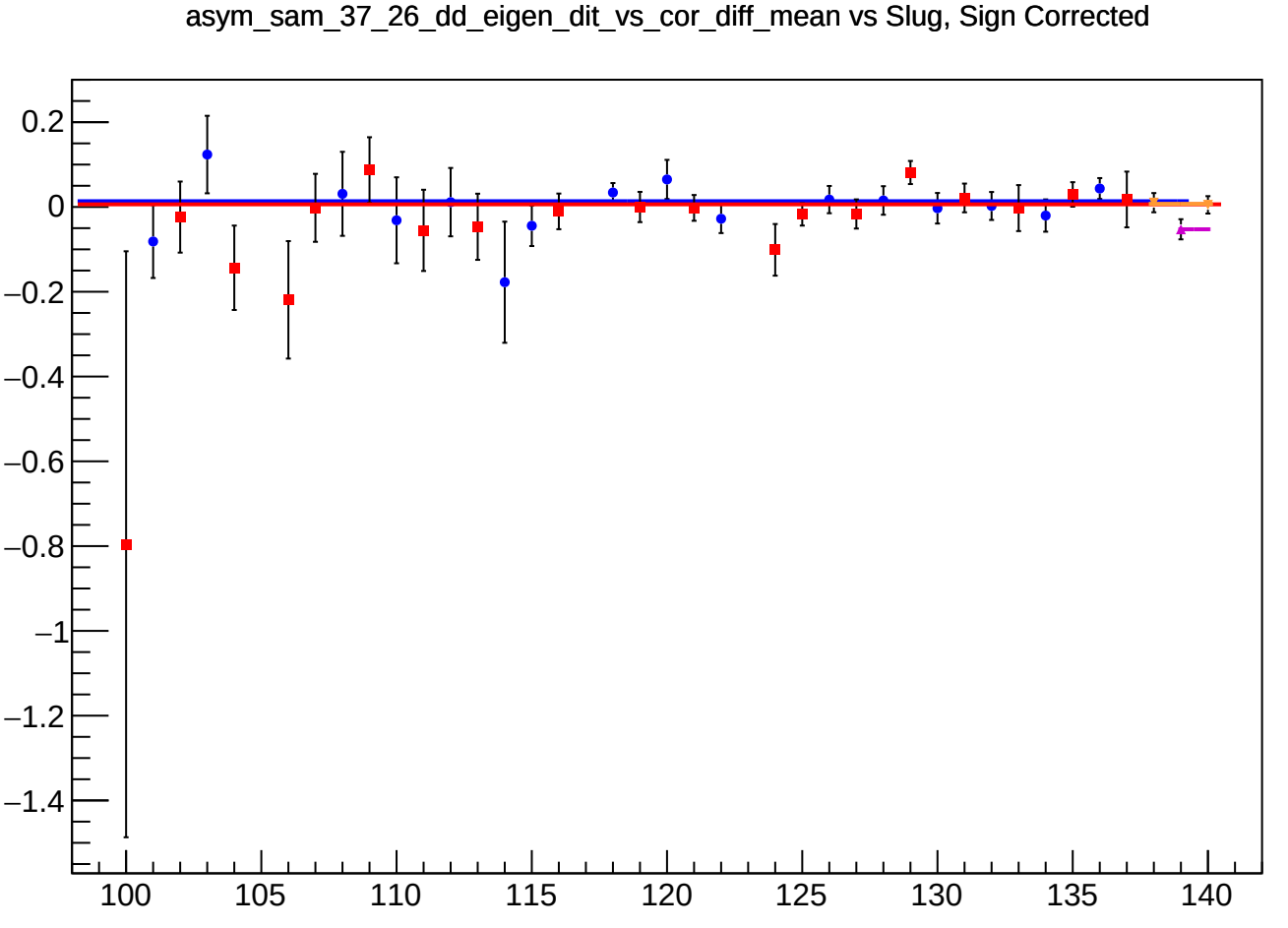
Left: 0.002+/-0.000 χ^2/NDF: 676094.5/2

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:7572071.6/16

Out: 0.001+/-0.000 χ^2/NDF:7303786.2/20

All: 0.001+/-0.000 χ^2/NDF: 14882882.0/37



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.007+/-0.015 χ^2/NDF:0.0/1

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.053+/-0.024 χ^2/NDF:0.0/0

Left: -0.010+/-0.013 χ^2/NDF: 4.5/2

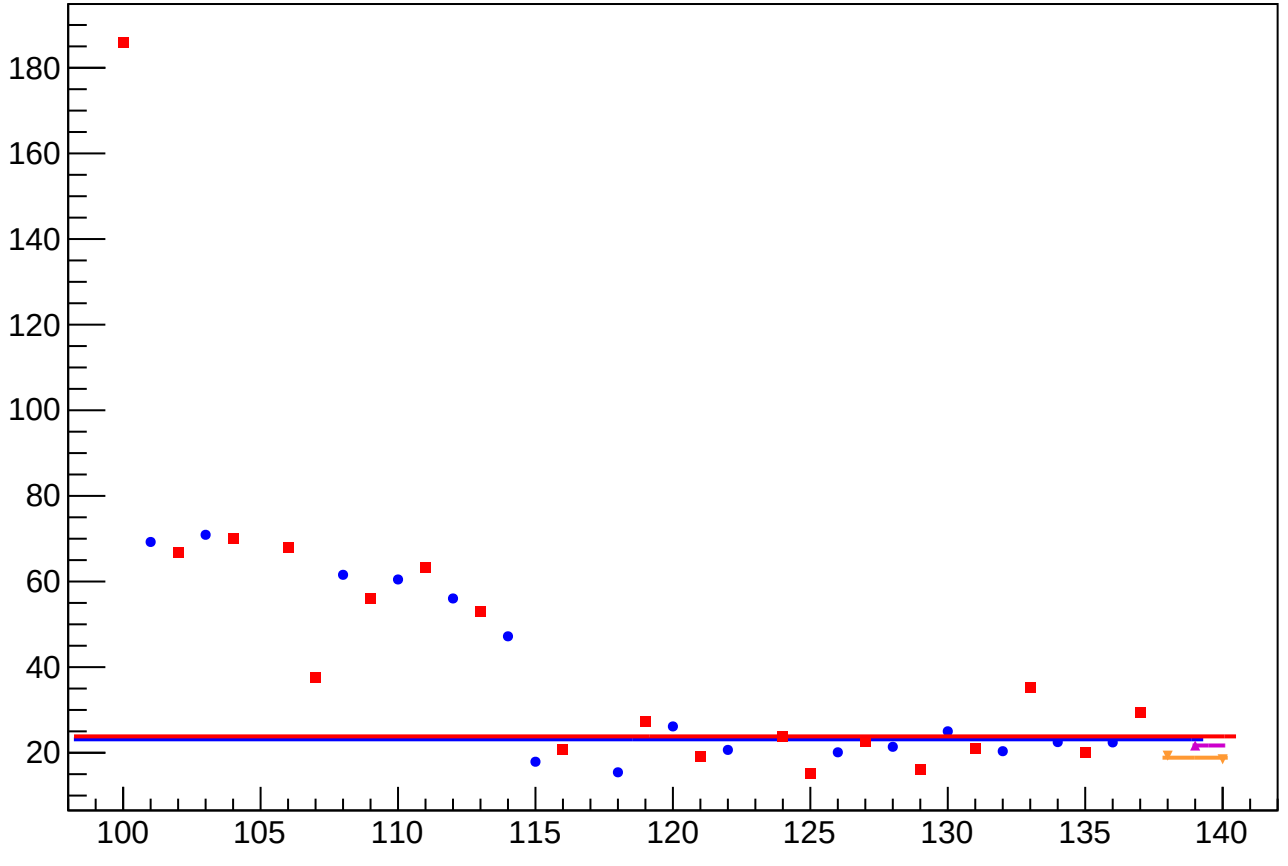
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.009 χ^2/NDF:18.9/16

Out: 0.007+/-0.008 χ^2/NDF:21.5/20

All: 0.005+/-0.006 χ^2/NDF: 40.5/37

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: 18.852+/-0.011 χ^2/NDF:1531.2/1

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 21.699+/-0.017 χ^2/NDF:0.0/0

Left: 19.678+/-0.009 χ^2/NDF: 21888.0/2

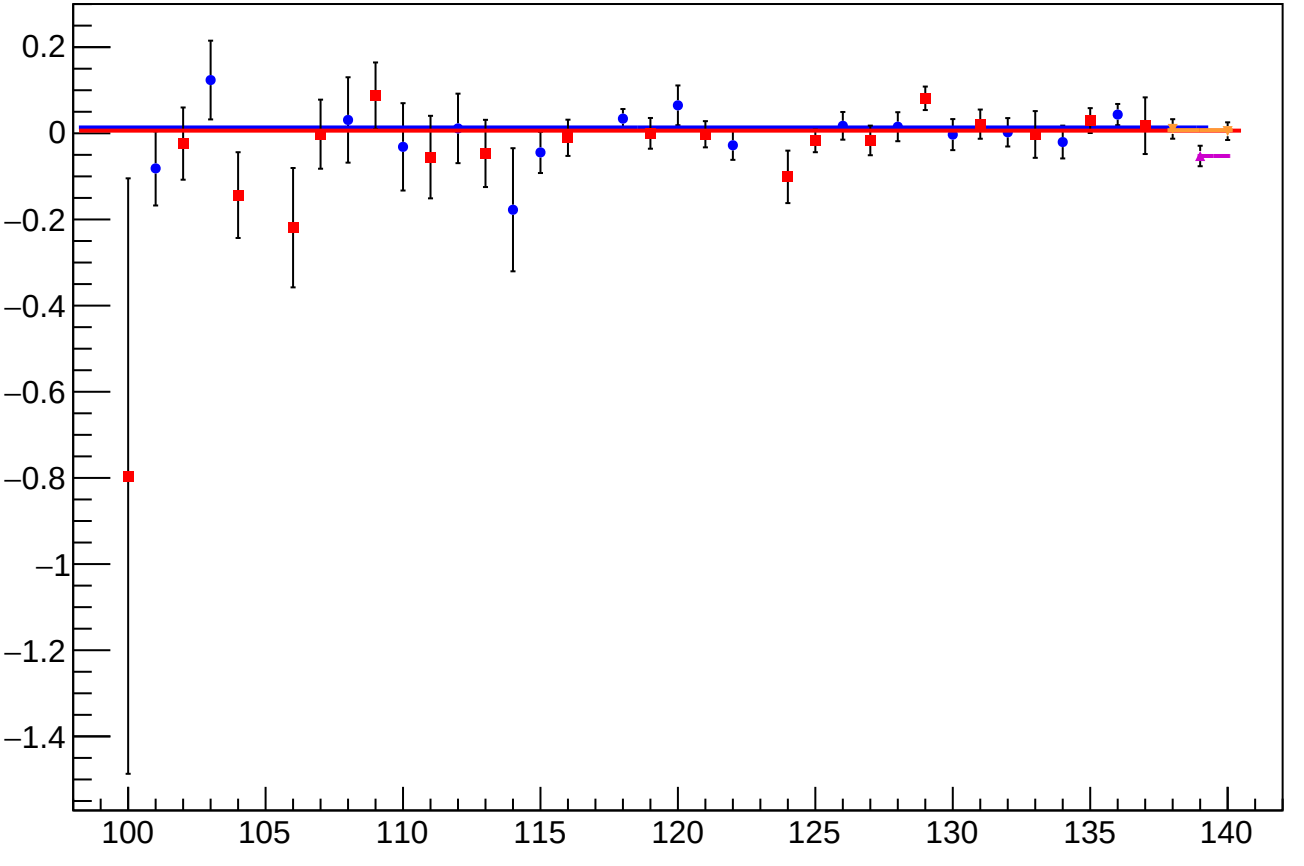
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 22.932+/-0.006 χ^2/NDF:2412754.3/16

Out: 22.309+/-0.006 χ^2/NDF:3049111.7/20

All: 22.595+/-0.004 χ^2/NDF: 5466943.0/37

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.007+/-0.015 χ^2/NDF:0.0/1

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.053+/-0.024 χ^2/NDF:0.0/0

Left: -0.010+/-0.013 χ^2/NDF: 4.5/2

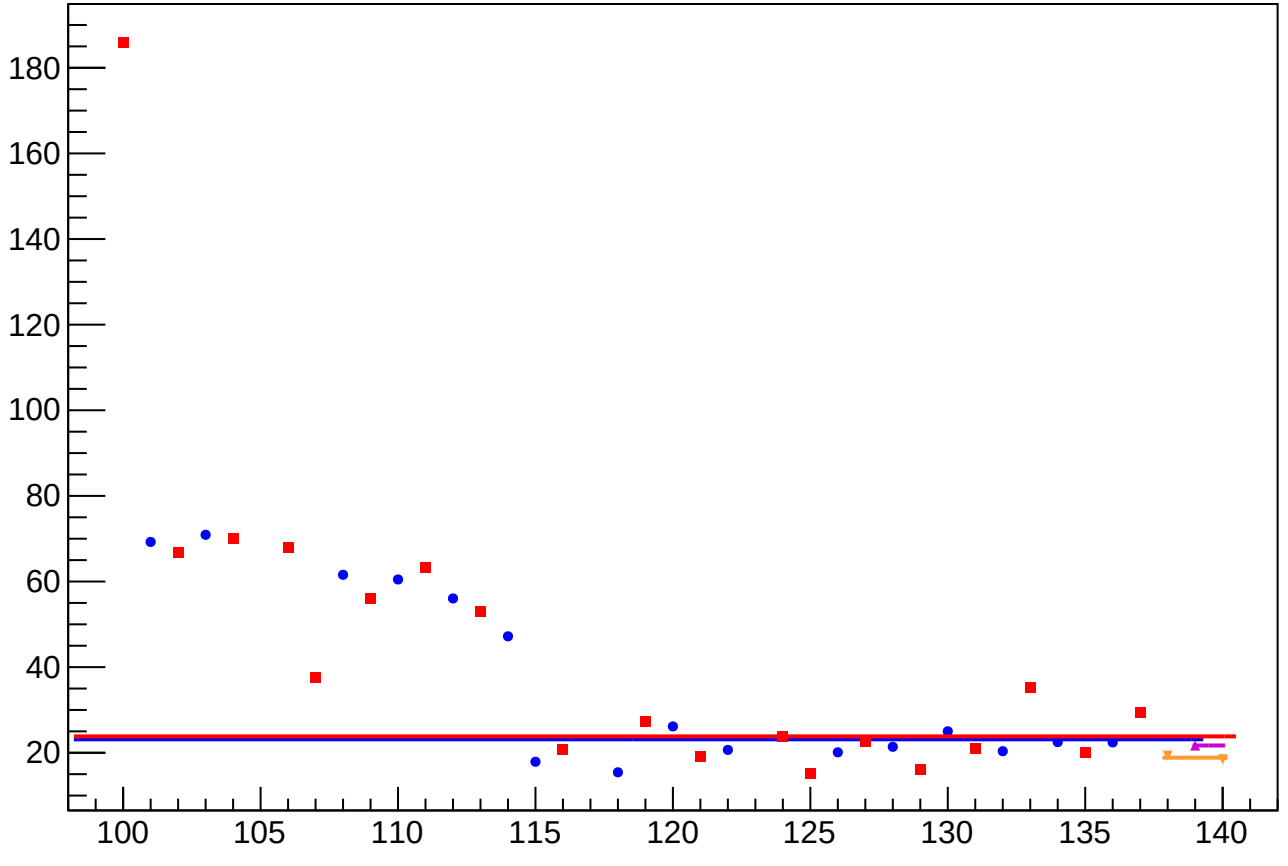
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.009 χ^2/NDF:18.9/16

Out: 0.007+/-0.008 χ^2/NDF:21.5/20

All: 0.005+/-0.006 χ^2/NDF: 40.5/37

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 18.852+/-0.011 χ^2/NDF:1531.2/1

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 21.699+/-0.017 χ^2/NDF:0.0/0

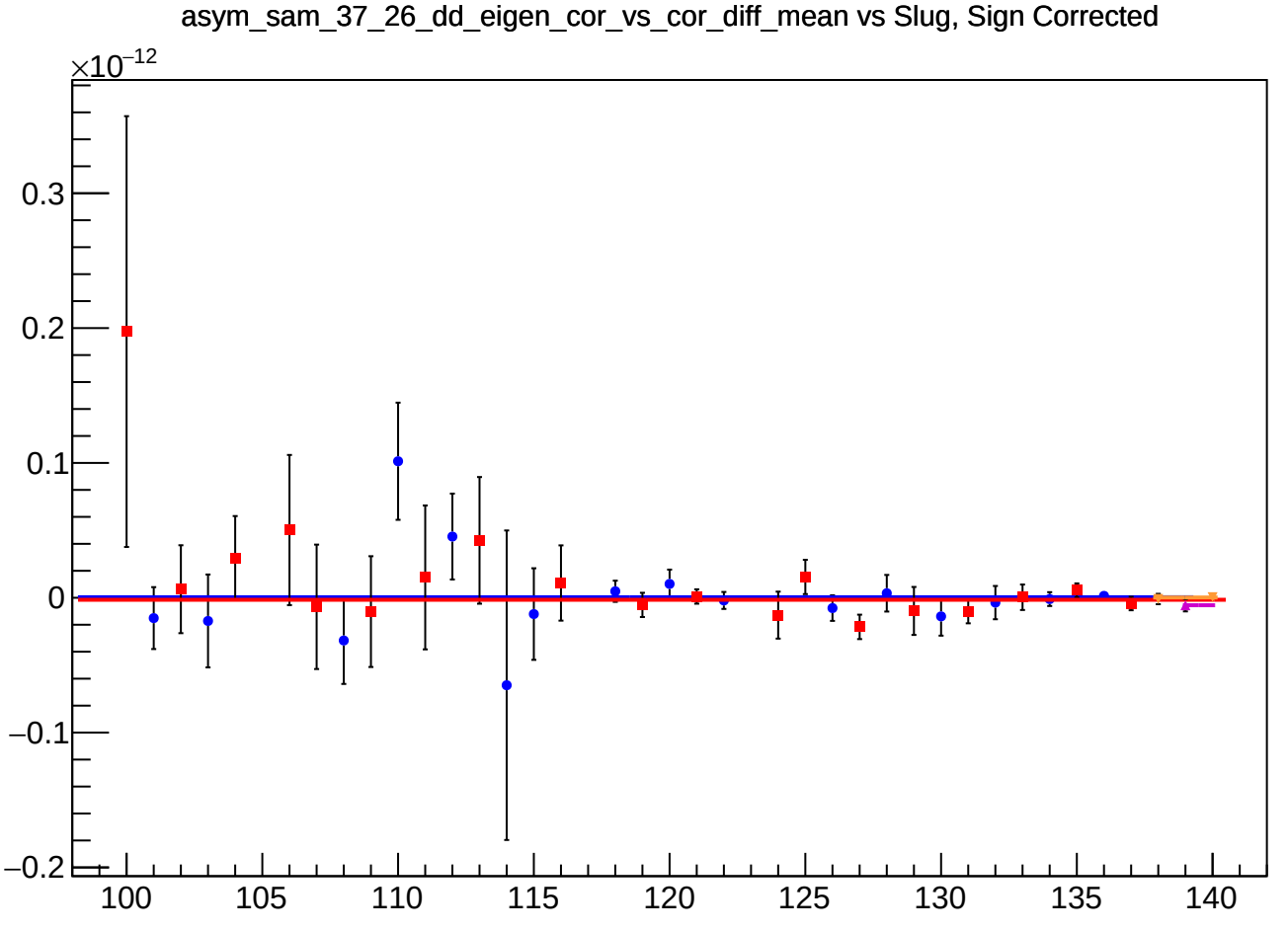
Left: 19.678+/-0.009 χ^2/NDF: 21888.0/2

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 22.932+/-0.006 χ^2/NDF:2412754.3/16

Out: 22.309+/-0.006 χ^2/NDF:3049111.7/20

All: 22.595+/-0.004 χ^2/NDF: 5466943.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.000+/-0.000 χ^2/NDF: 1.5/2

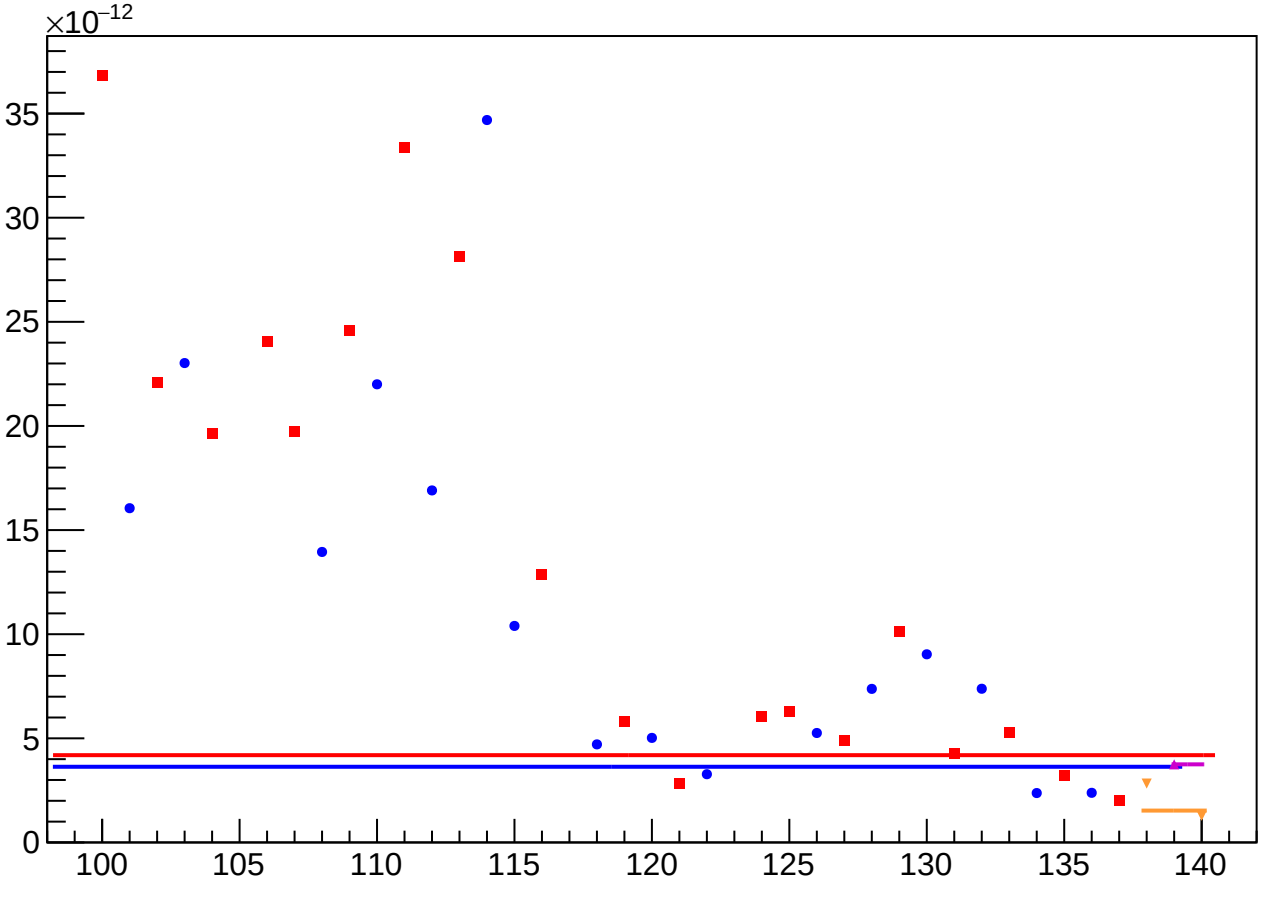
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: -0.000+/-0.000 χ^2/NDF:14.3/16

Out: -0.000+/-0.000 χ^2/NDF:16.0/20

All: -0.000+/-0.000 χ^2/NDF: 30.4/37

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:270480.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

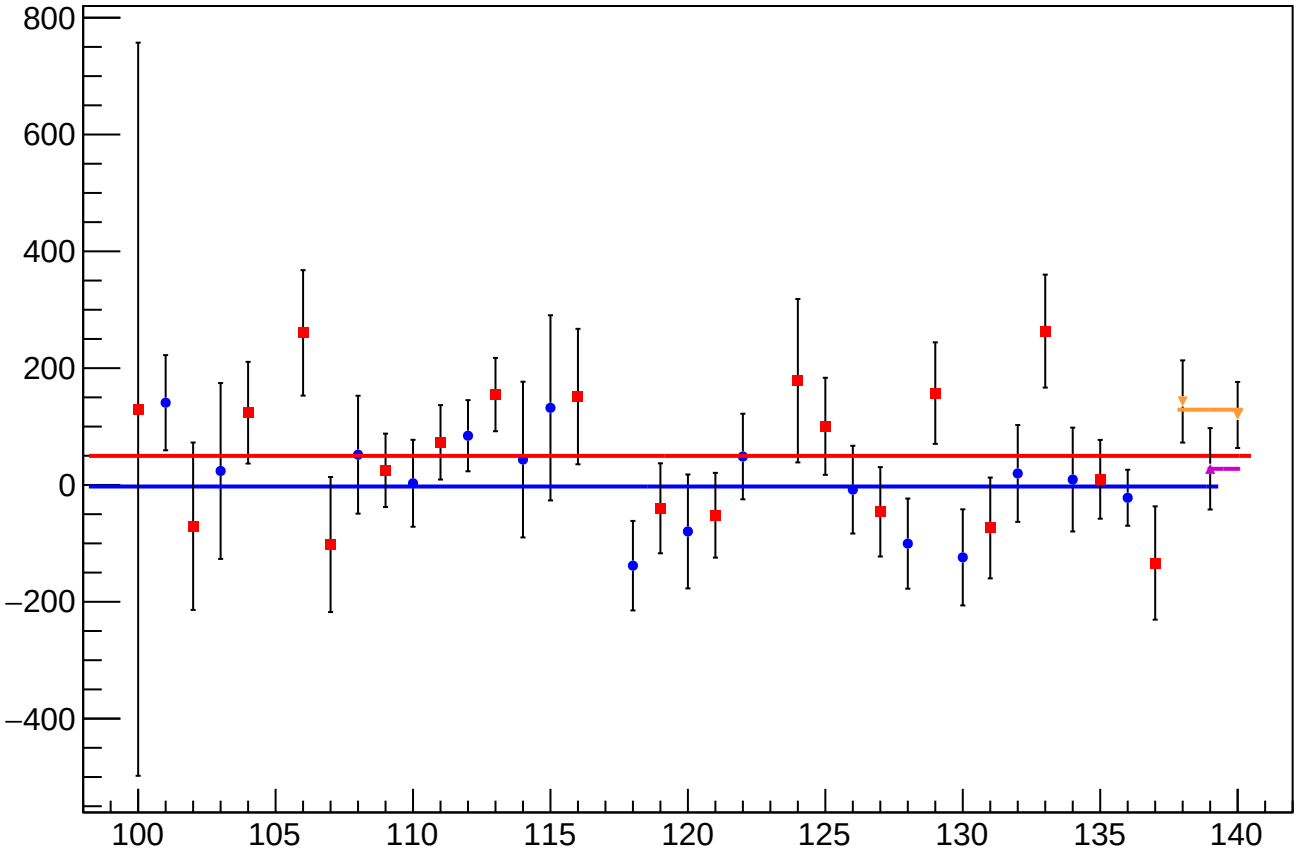
Left: 0.000+/-0.000 χ^2/NDF: 694822.0/2

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:3591394.0/16

Out: 0.000+/-0.000 χ^2/NDF:6503267.9/20

All: 0.000+/-0.000 χ^2/NDF: 10763628.2/37



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 128.926+/-44.095 χ^2/NDF:0.1/1

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 27.664+/-69.666 χ^2/NDF:0.0/0

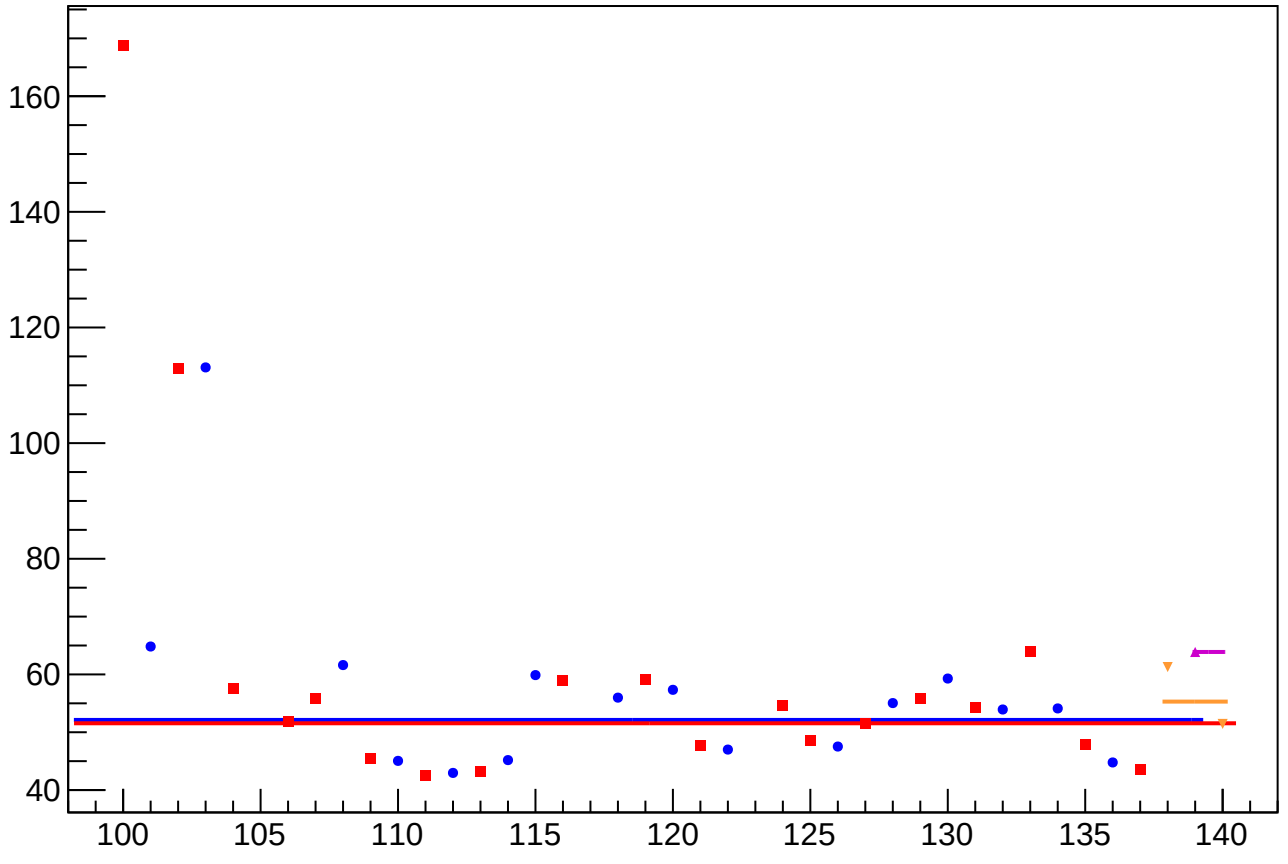
Left: 99.962+/-37.259 χ^2/NDF: 1.6/2

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: -0.310+/-19.219 χ^2/NDF:14.8/16

Out: 62.886+/-17.927 χ^2/NDF:32.1/20

All: 33.483+/-13.109 χ^2/NDF: 52.7/37



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 55.299+/-0.031 χ^2/NDF:23736.0/1

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 63.883+/-0.049 χ^2/NDF:0.0/0

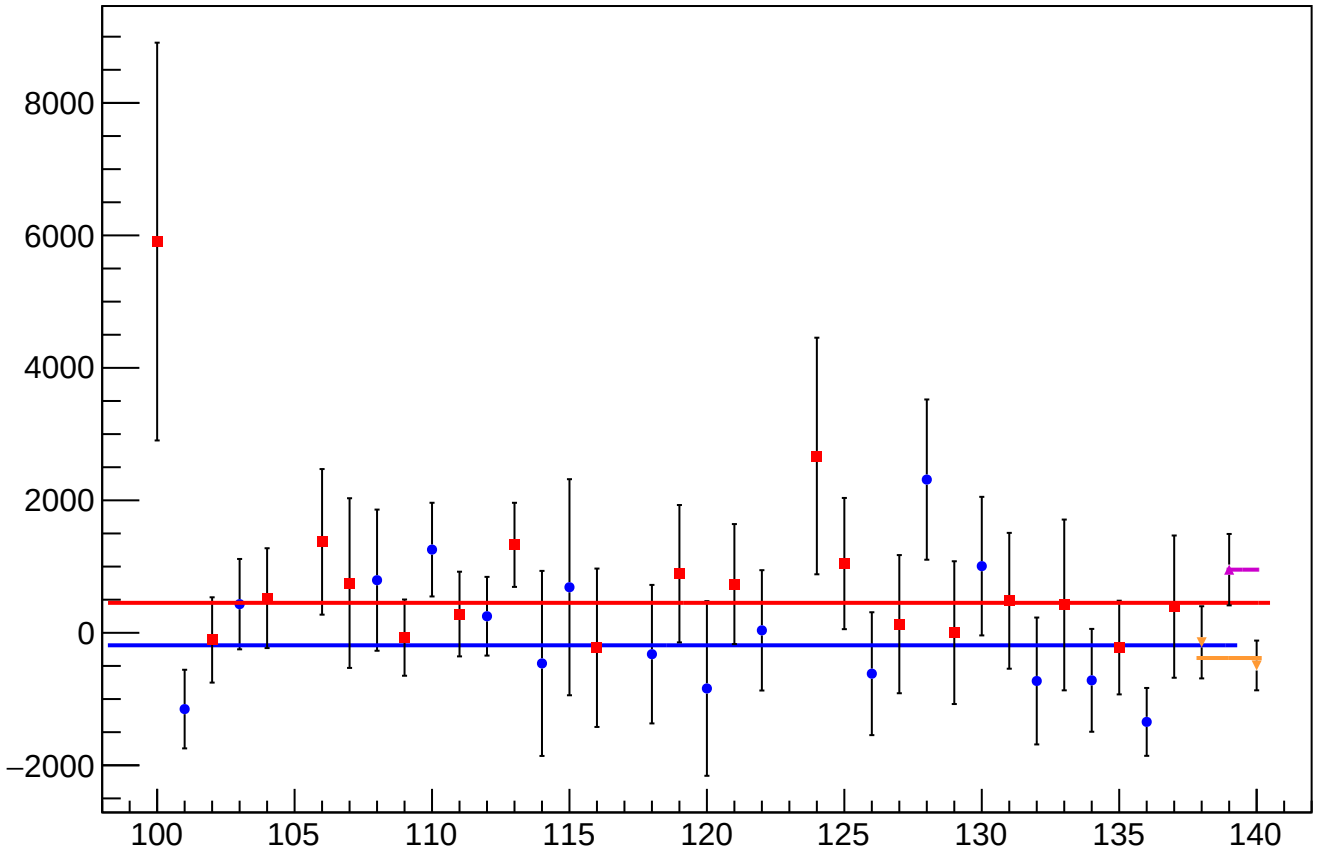
Left: 57.754+/-0.026 χ^2/NDF: 45415.6/2

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 53.023+/-0.014 χ^2/NDF:615524.1/16

Out: 52.170+/-0.013 χ^2/NDF:675370.2/20

All: 52.567+/-0.009 χ^2/NDF: 1293003.6/37



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -380.289+/-309.092 χ^2/NDF:0.3/1

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 953.451+/-539.045 χ^2/NDF:0.0/0

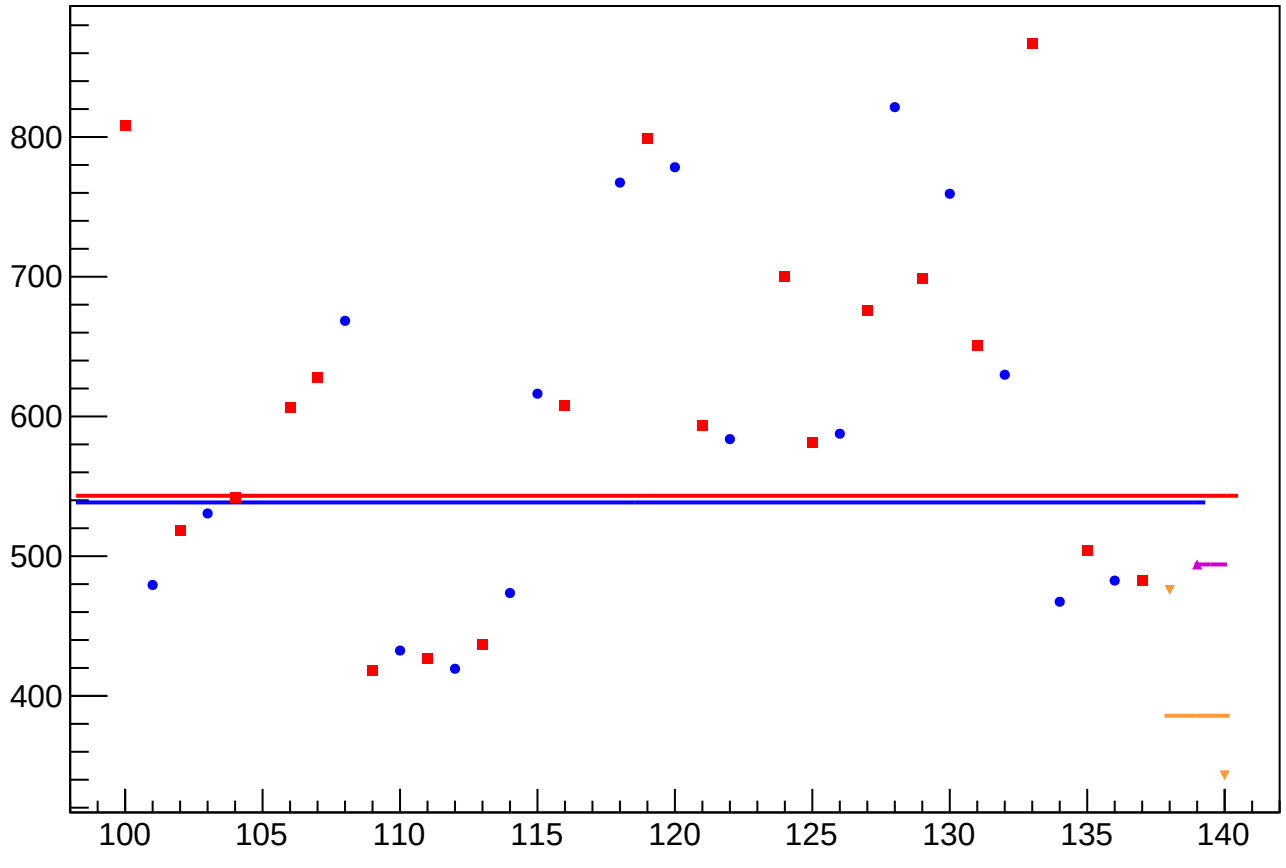
Left: -50.270+/-268.138 χ^2/NDF: 4.9/2

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: -43.266+/-192.273 χ^2/NDF:25.3/16

Out: 199.980+/-170.213 χ^2/NDF:16.6/20

All: 93.106+/-127.448 χ^2/NDF: 42.8/37



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 385.817+/-0.219 χ^2/NDF:80489.9/1

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 494.079+/-0.381 χ^2/NDF:0.0/0

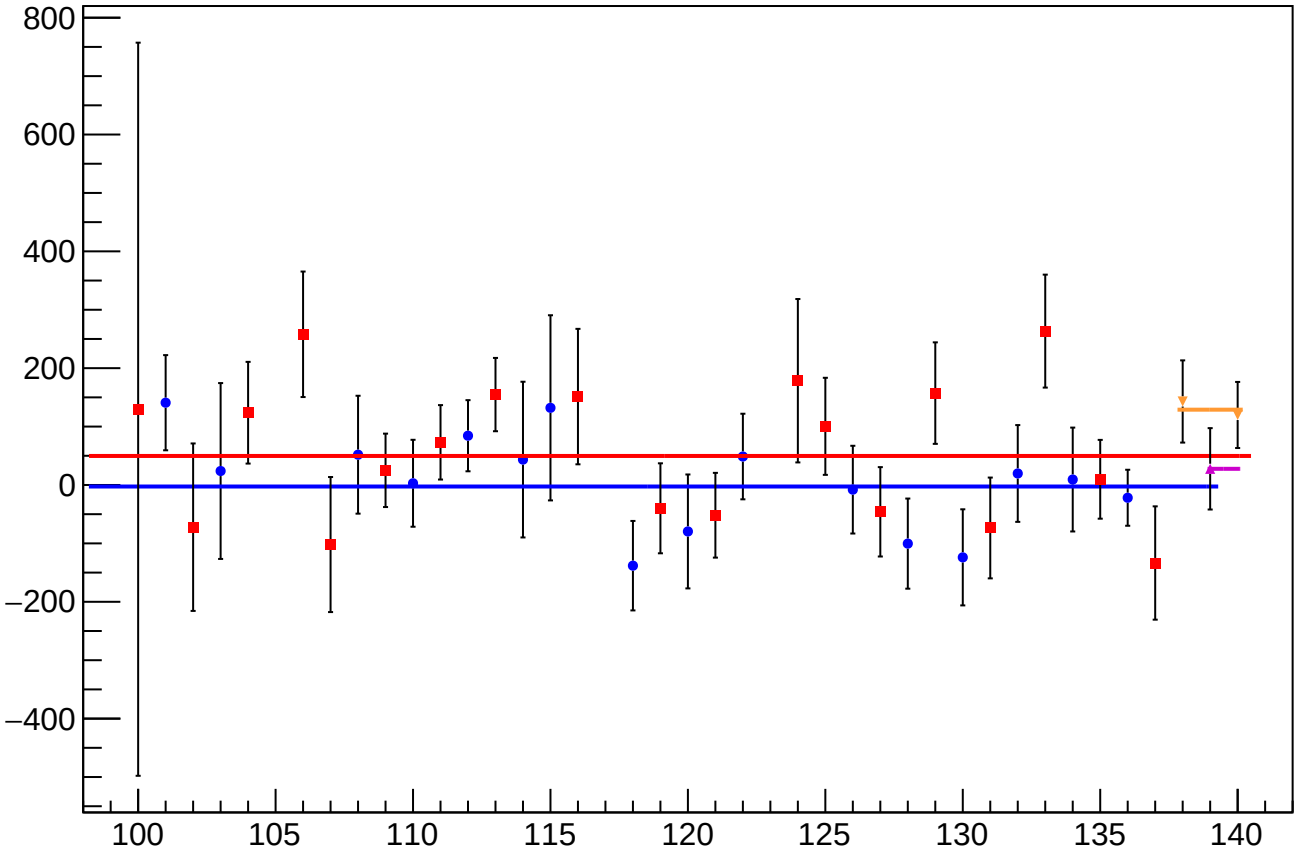
Left: 412.606+/-0.190 χ^2/NDF: 141201.3/2

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 532.820+/-0.136 χ^2/NDF:625831.7/16

Out: 495.502+/-0.120 χ^2/NDF:1079074.8/20

All: 511.898+/-0.090 χ^2/NDF: 1747145.2/37



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 128.932+/-44.095 χ^2/NDF:0.1/1

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 27.667+/-69.666 χ^2/NDF:0.0/0

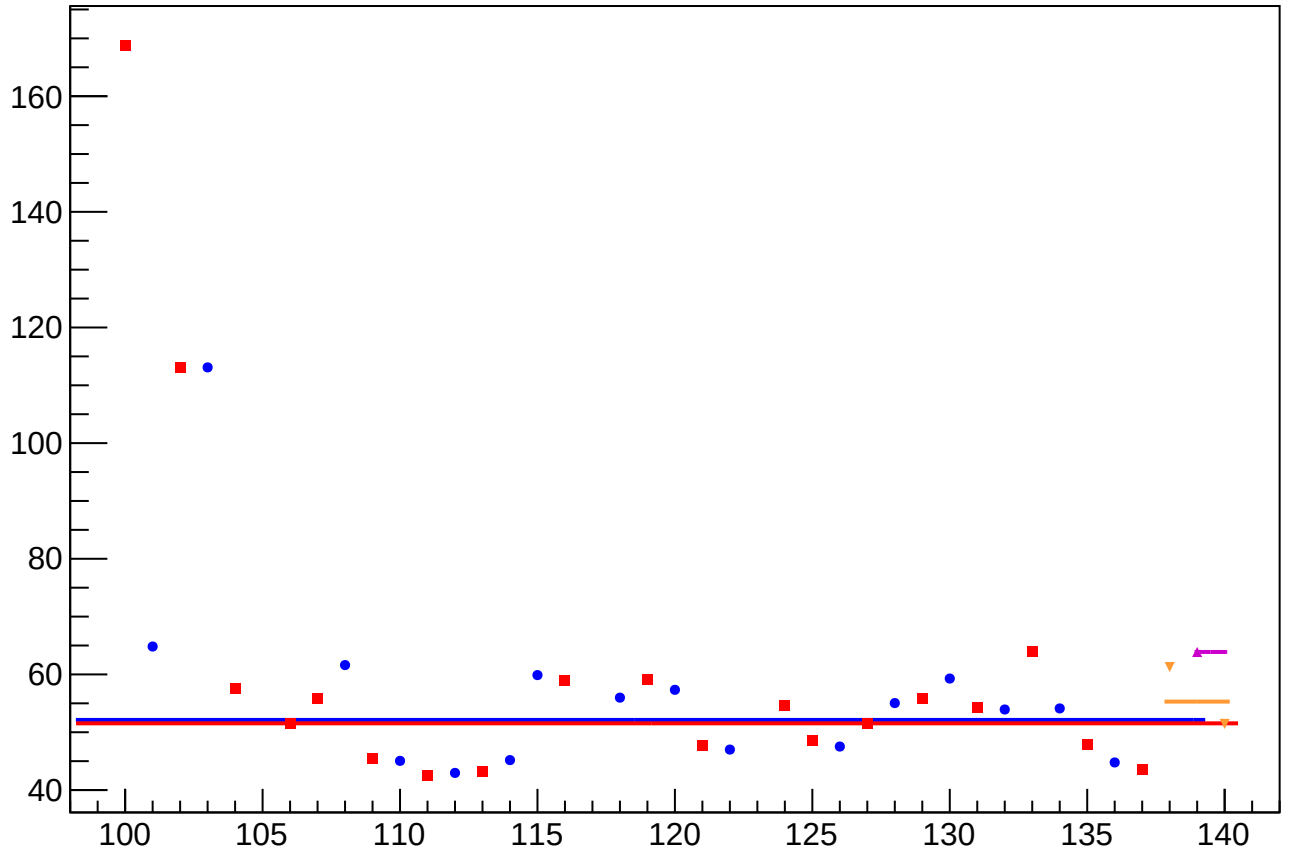
Left: 99.967+/-37.259 χ^2/NDF: 1.6/2

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: -0.314+/-19.219 χ^2/NDF:14.8/16

Out: 62.790+/-17.927 χ^2/NDF:32.0/20

All: 33.430+/-13.109 χ^2/NDF: 52.6/37



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 55.299+/-0.031 χ^2/NDF:23736.0/1

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 63.883+/-0.049 χ^2/NDF:0.0/0

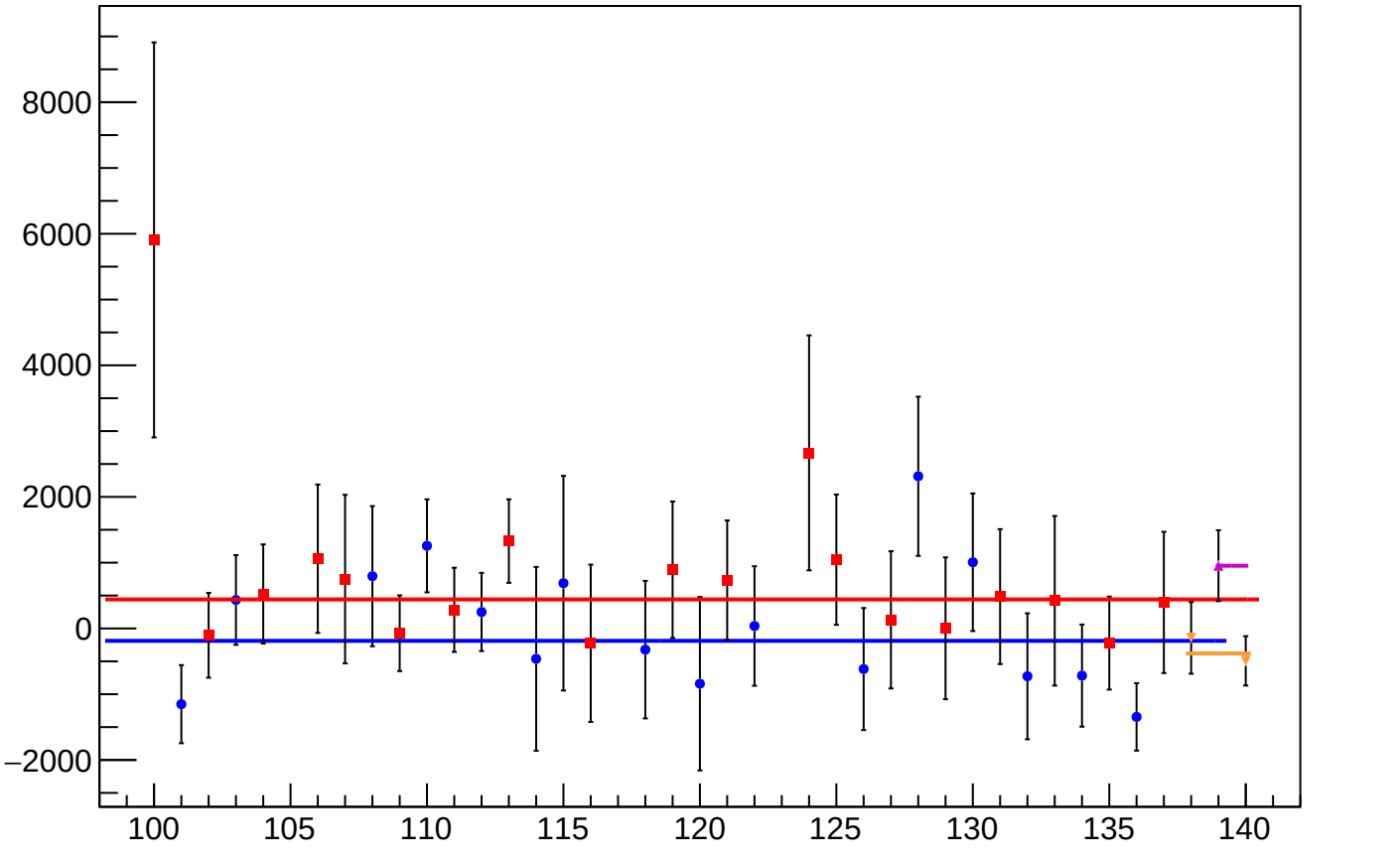
Left: 57.754+/-0.026 χ^2/NDF: 45415.6/2

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 53.023+/-0.014 χ^2/NDF:615526.4/16

Out: 52.161+/-0.013 χ^2/NDF:675656.3/20

All: 52.562+/-0.009 χ^2/NDF: 1293334.6/37



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -380.285+/-309.092 χ^2/NDF:0.3/1

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 953.457+/-539.044 χ^2/NDF:0.0/0

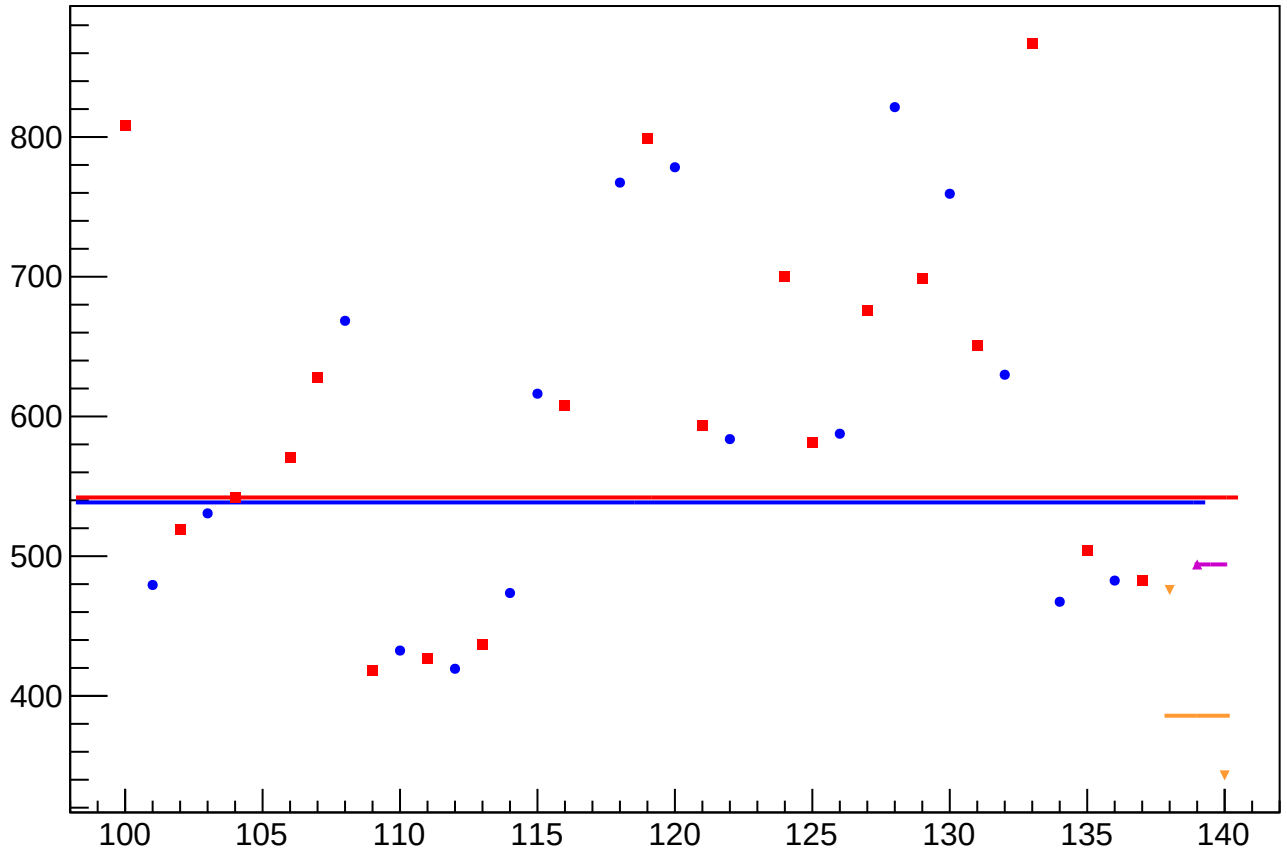
Left: -50.266+/-268.138 χ^2/NDF: 4.9/2

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: -43.243+/-192.275 χ^2/NDF:25.3/16

Out: 191.731+/-170.325 χ^2/NDF:16.1/20

All: 88.417+/-127.495 χ^2/NDF: 42.2/37



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 385.817+/-0.219 χ^2/NDF:80489.8/1

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 494.078+/-0.381 χ^2/NDF:0.0/0

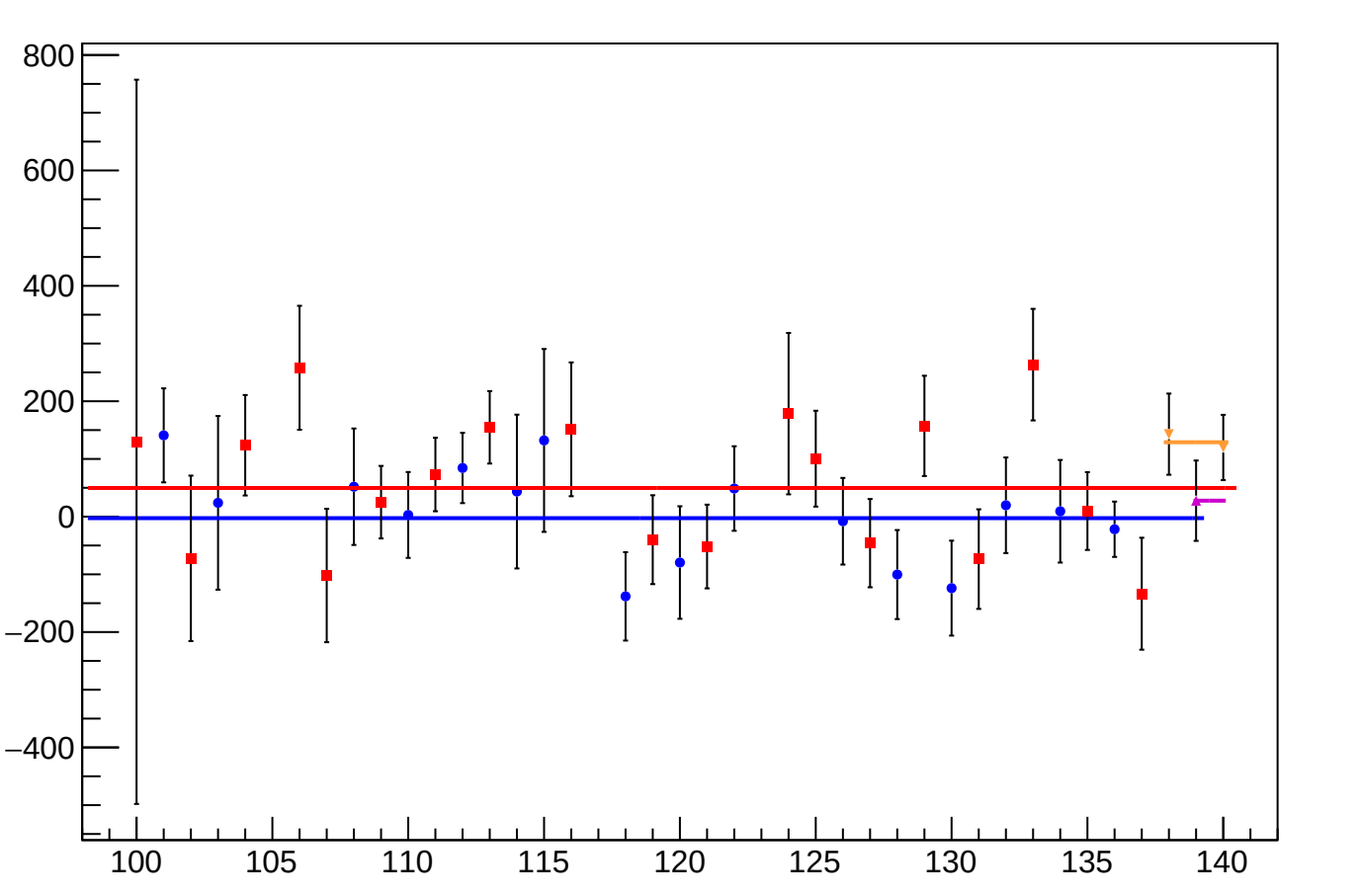
Left: 412.605+/-0.190 χ^2/NDF: 141201.2/2

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 532.825+/-0.136 χ^2/NDF:625830.9/16

Out: 494.592+/-0.120 χ^2/NDF:1067752.2/20

All: 511.402+/-0.090 χ^2/NDF: 1737891.6/37



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 128.932+/-44.095 χ^2/NDF:0.1/1

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 27.667+/-69.666 χ^2/NDF:0.0/0

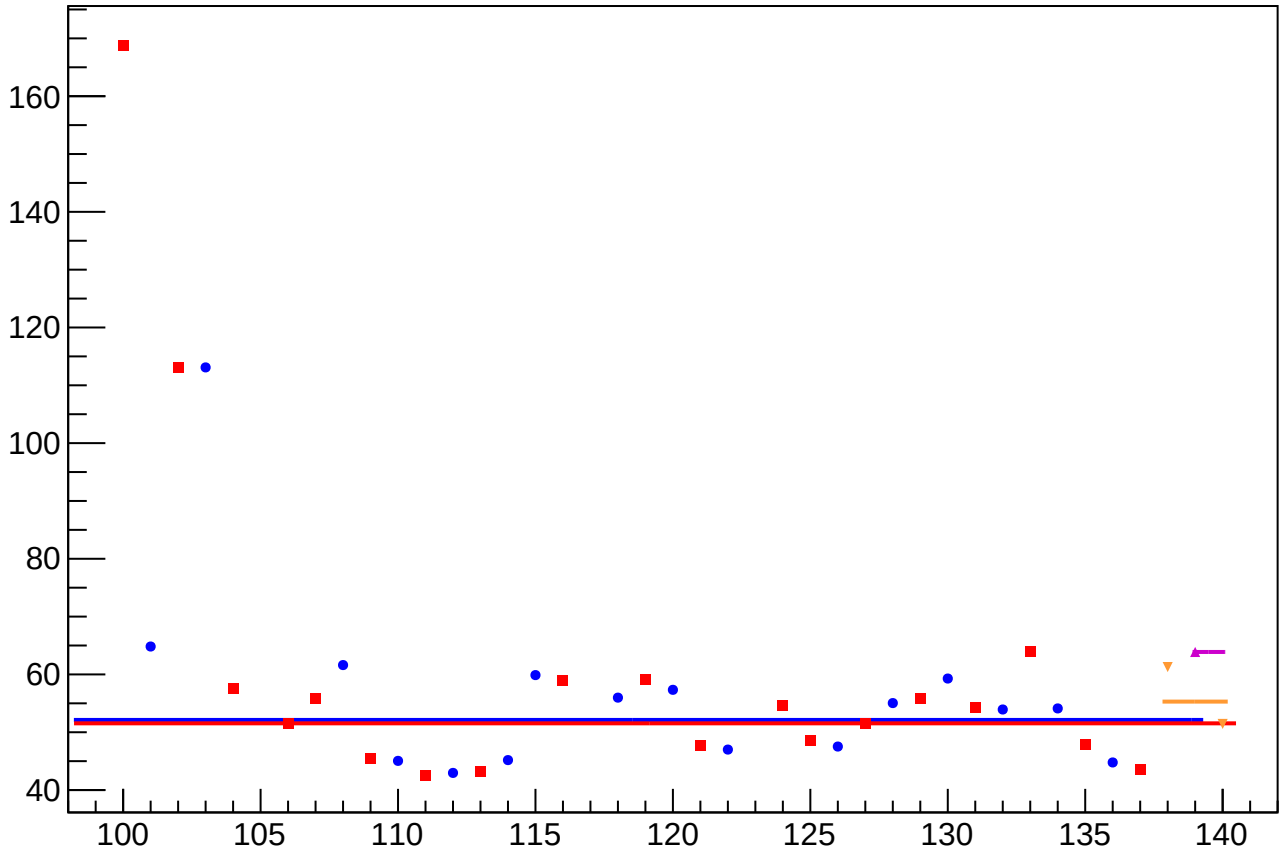
Left: 99.967+/-37.259 χ^2/NDF: 1.6/2

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: -0.314+/-19.219 χ^2/NDF:14.8/16

Out: 62.790+/-17.927 χ^2/NDF:32.0/20

All: 33.430+/-13.109 χ^2/NDF: 52.6/37



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 55.299+/-0.031 χ^2/NDF:23736.0/1

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 63.883+/-0.049 χ^2/NDF:0.0/0

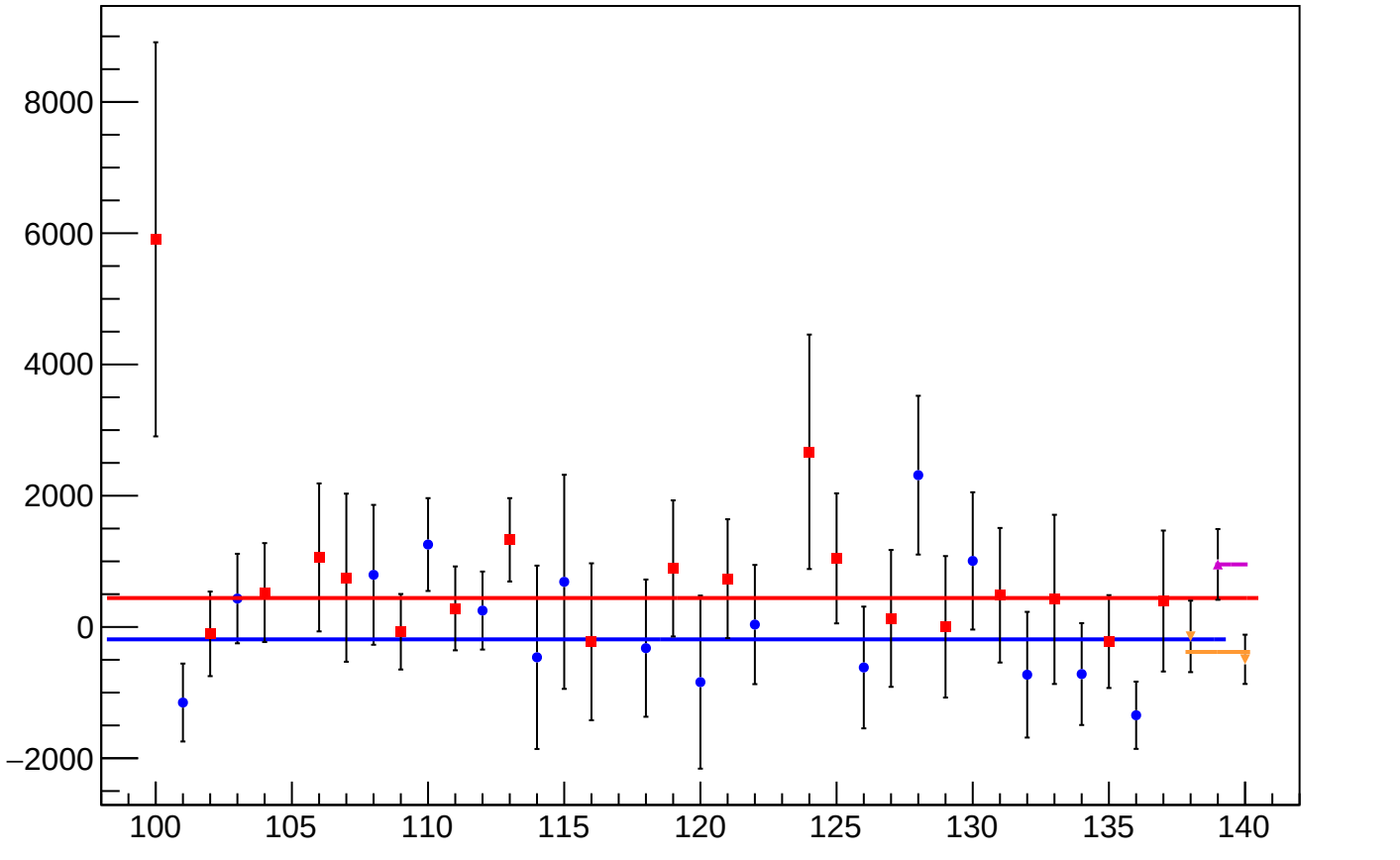
Left: 57.754+/-0.026 χ^2/NDF: 45415.6/2

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 53.023+/-0.014 χ^2/NDF:615526.4/16

Out: 52.161+/-0.013 χ^2/NDF:675656.3/20

All: 52.562+/-0.009 χ^2/NDF: 1293334.6/37



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -380.285+/-309.092 χ^2/NDF:0.3/1

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 953.457+/-539.044 χ^2/NDF:0.0/0

Left: -50.266+/-268.138 χ^2/NDF: 4.9/2

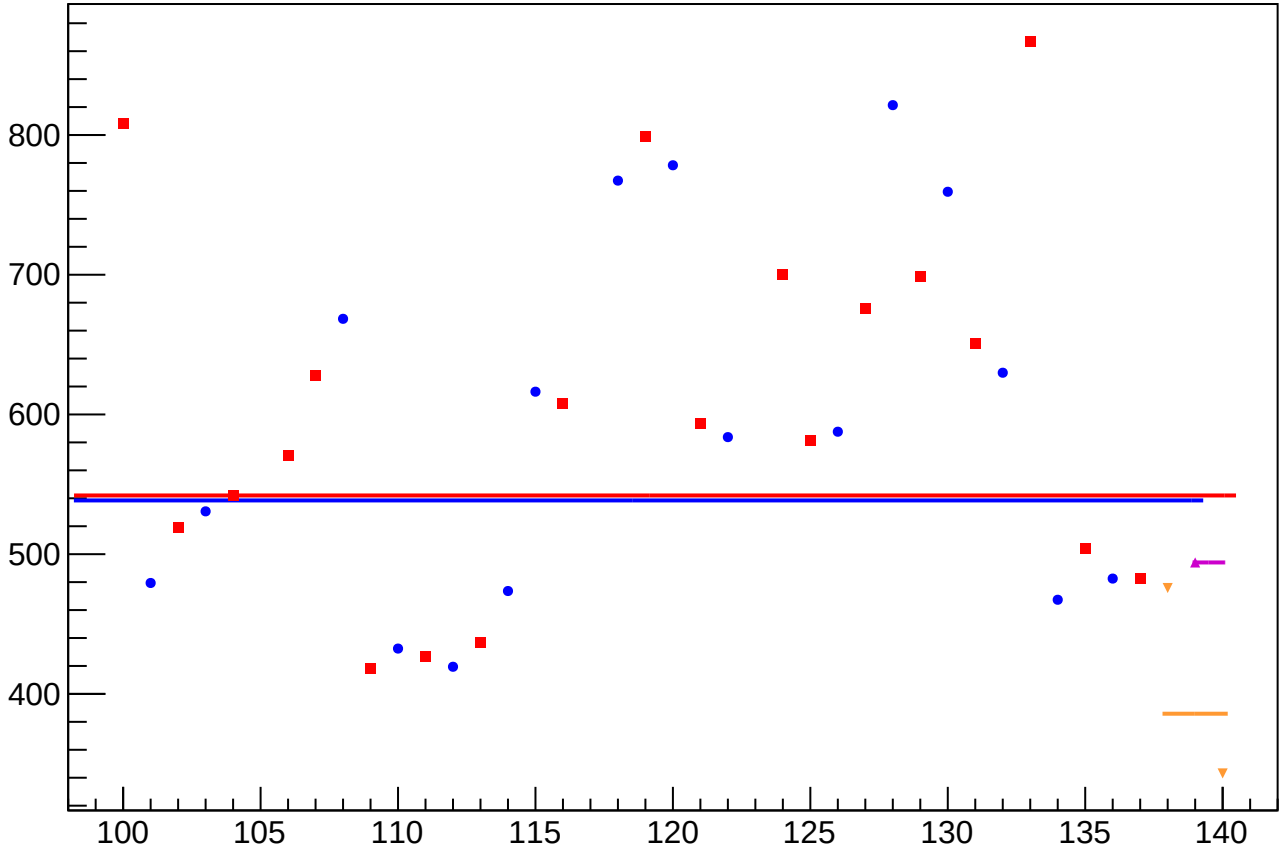
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: -43.243+/-192.275 χ^2/NDF:25.3/16

Out: 191.731+/-170.325 χ^2/NDF:16.1/20

All: 88.417+/-127.495 χ^2/NDF: 42.2/37

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 385.817+/-0.219 χ^2/NDF:80489.8/1

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 494.078+/-0.381 χ^2/NDF:0.0/0

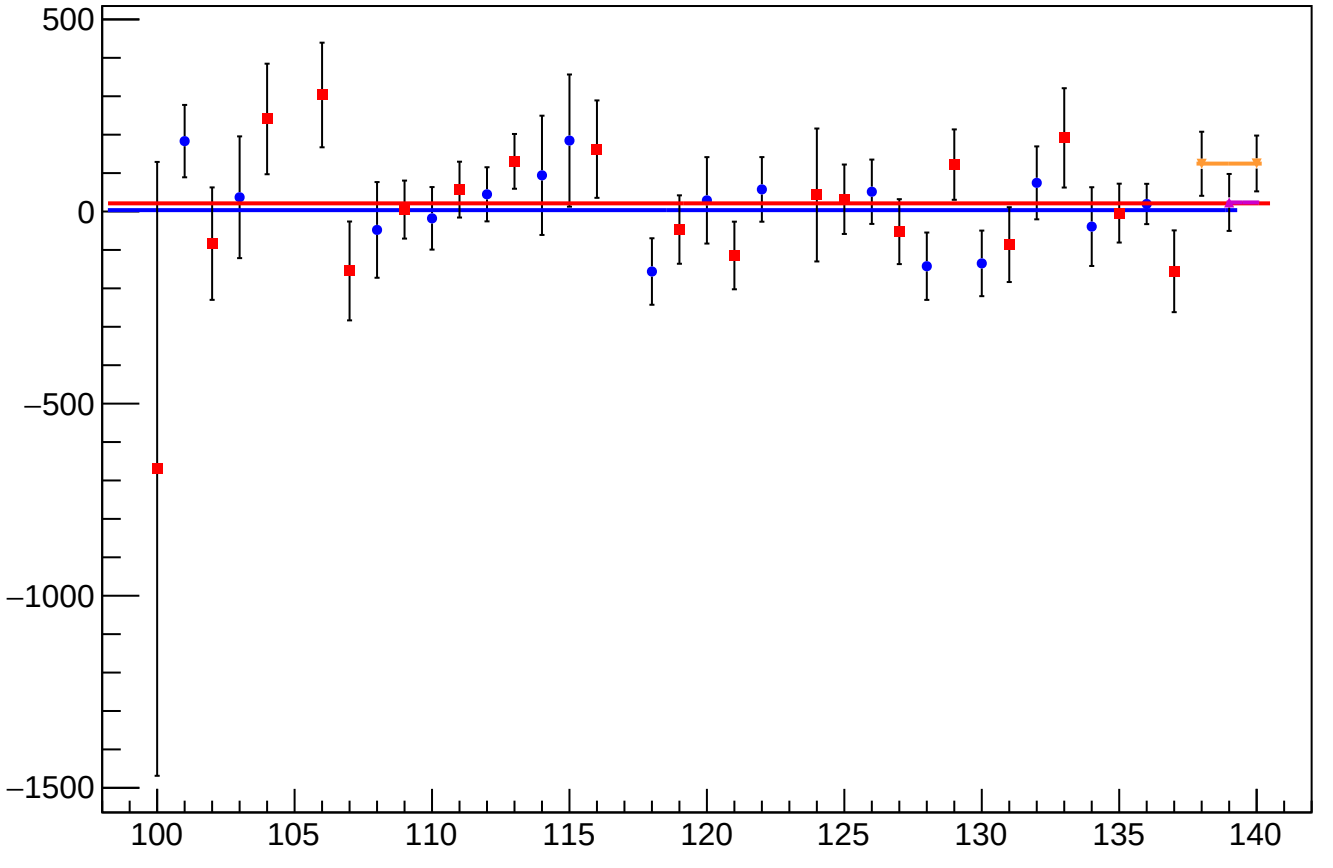
Left: 412.605+/-0.190 χ^2/NDF: 141201.2/2

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 532.825+/-0.136 χ^2/NDF:625830.9/16

Out: 494.592+/-0.120 χ^2/NDF:1067752.2/20

All: 511.402+/-0.090 χ^2/NDF: 1737891.6/37



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 124.723+/-54.761 χ^2/NDF:0.0/1

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 23.663+/-74.108 χ^2/NDF:0.0/0

Left: 89.031+/-44.041 χ^2/NDF: 1.2/2

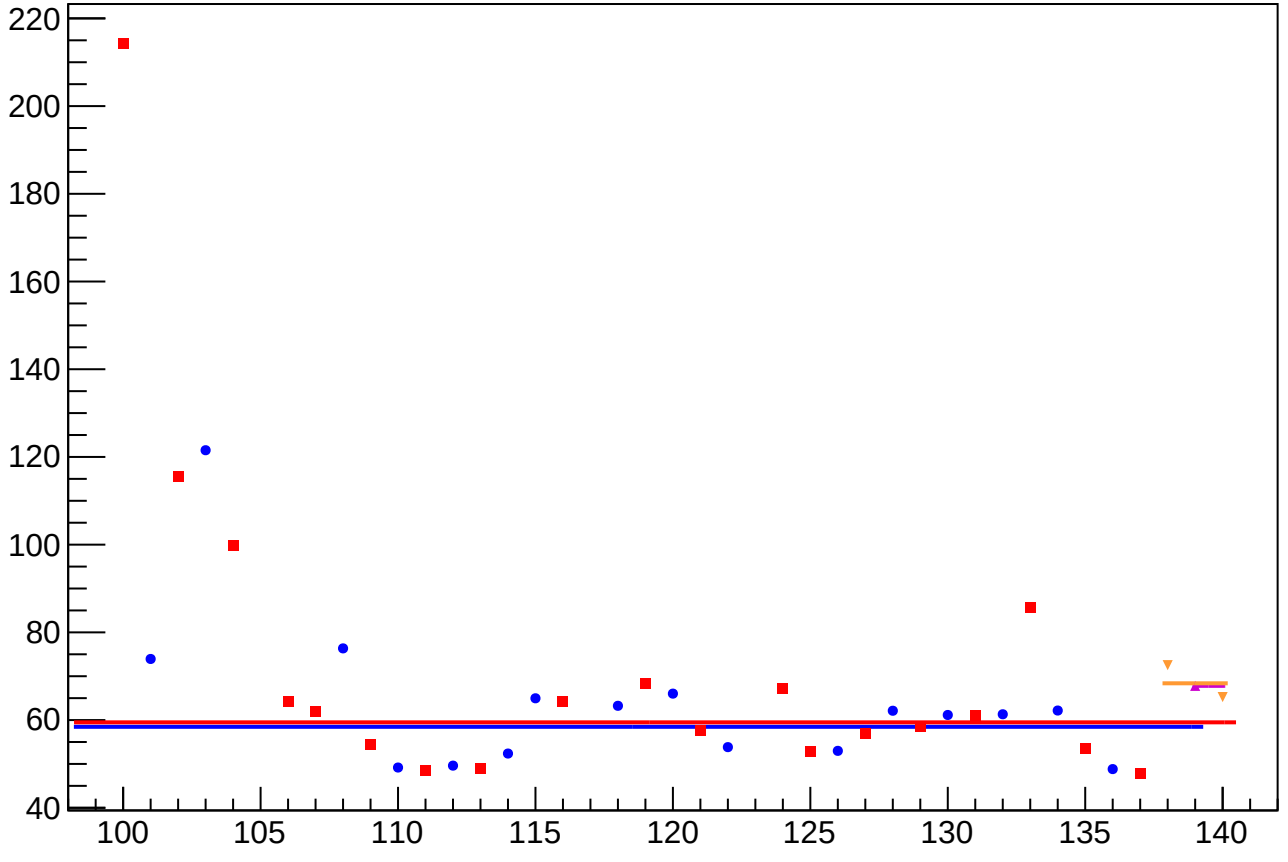
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 5.288+/-21.512 χ^2/NDF:16.2/16

Out: 36.504+/-21.024 χ^2/NDF:27.5/20

All: 21.254+/-15.036 χ^2/NDF: 44.8/37

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 68.385+/-0.039 χ^2/NDF:8656.4/1

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 67.805+/-0.052 χ^2/NDF:0.0/0

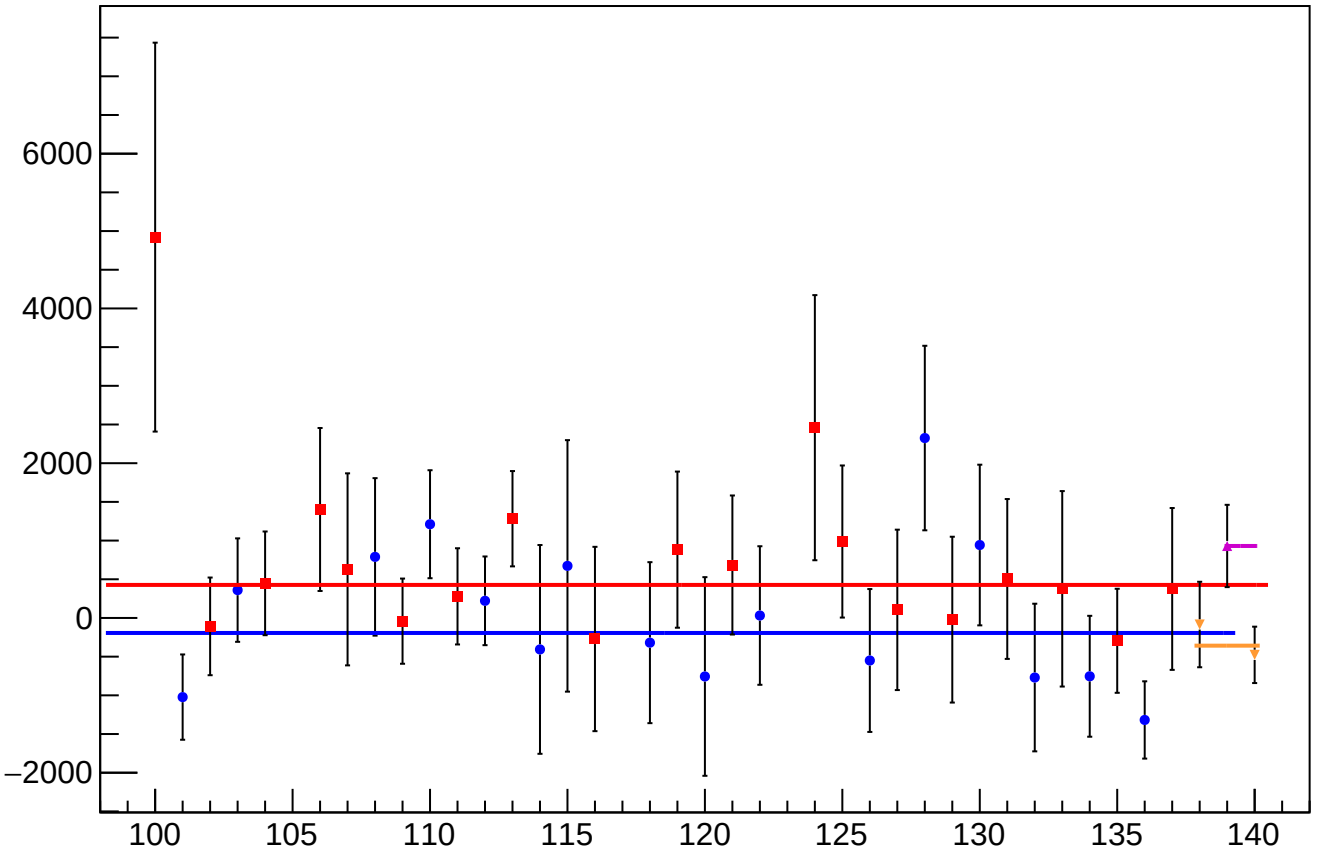
Left: 68.180+/-0.031 χ^2/NDF: 8735.4/2

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 59.252+/-0.015 χ^2/NDF:612075.9/16

Out: 60.796+/-0.015 χ^2/NDF:838583.9/20

All: 60.042+/-0.011 χ^2/NDF: 1455926.2/37



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -358.036+/-304.137 χ^2/NDF:0.4/1

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 930.268+/-531.760 χ^2/NDF:0.0/0

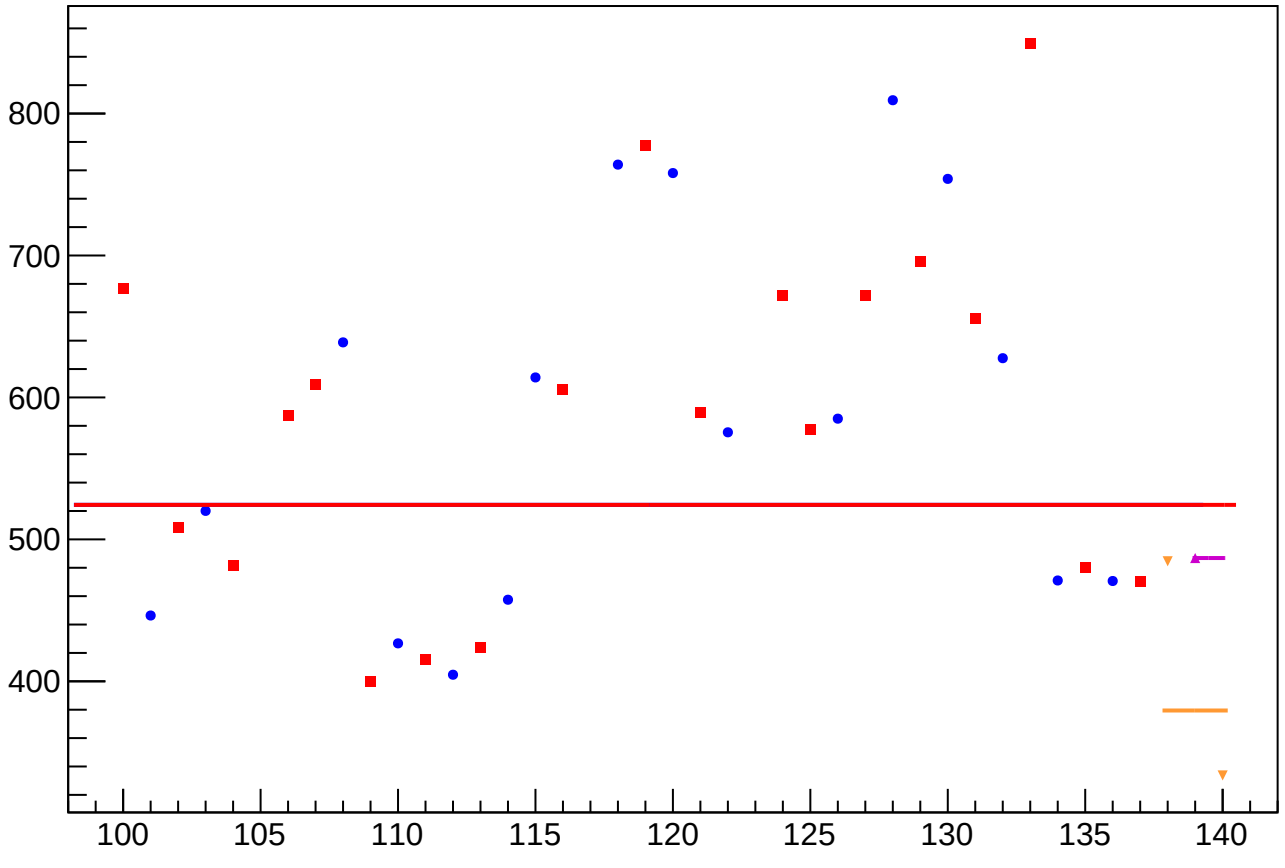
Left: -40.484+/-264.006 χ^2/NDF: 4.8/2

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: -53.847+/-187.692 χ^2/NDF:24.7/16

Out: 194.953+/-165.347 χ^2/NDF:16.4/20

All: 86.238+/-124.070 χ^2/NDF: 42.1/37



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 379.444+/-0.215 χ^2/NDF:103981.1/1

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 486.862+/-0.376 χ^2/NDF:0.0/0

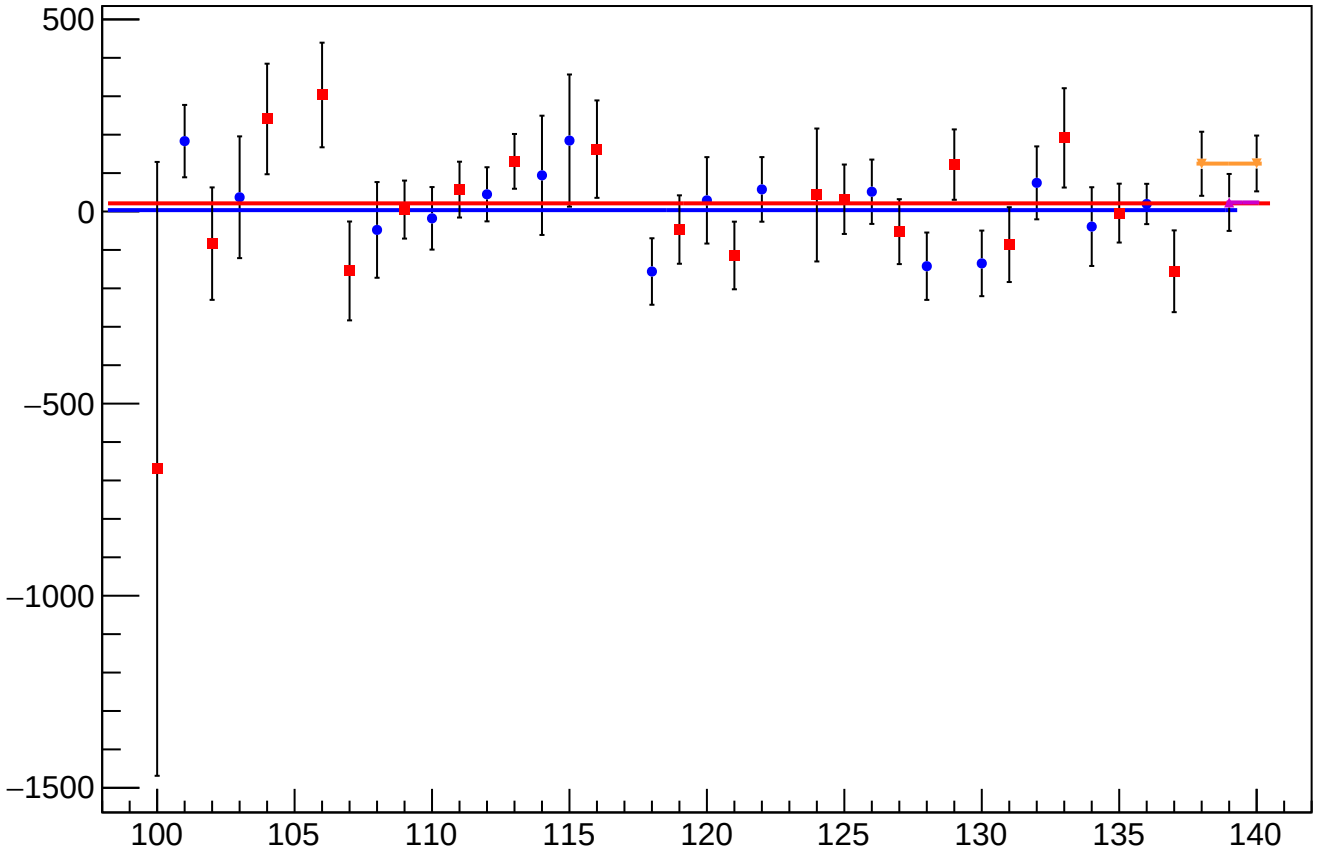
Left: 405.921+/-0.187 χ^2/NDF: 165476.5/2

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 519.659+/-0.133 χ^2/NDF:667179.2/16

Out: 481.490+/-0.117 χ^2/NDF:1109670.0/20

All: 498.168+/-0.088 χ^2/NDF: 1823418.4/37



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 124.723+/-54.761 χ^2/NDF:0.0/1

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 23.666+/-74.108 χ^2/NDF:0.0/0

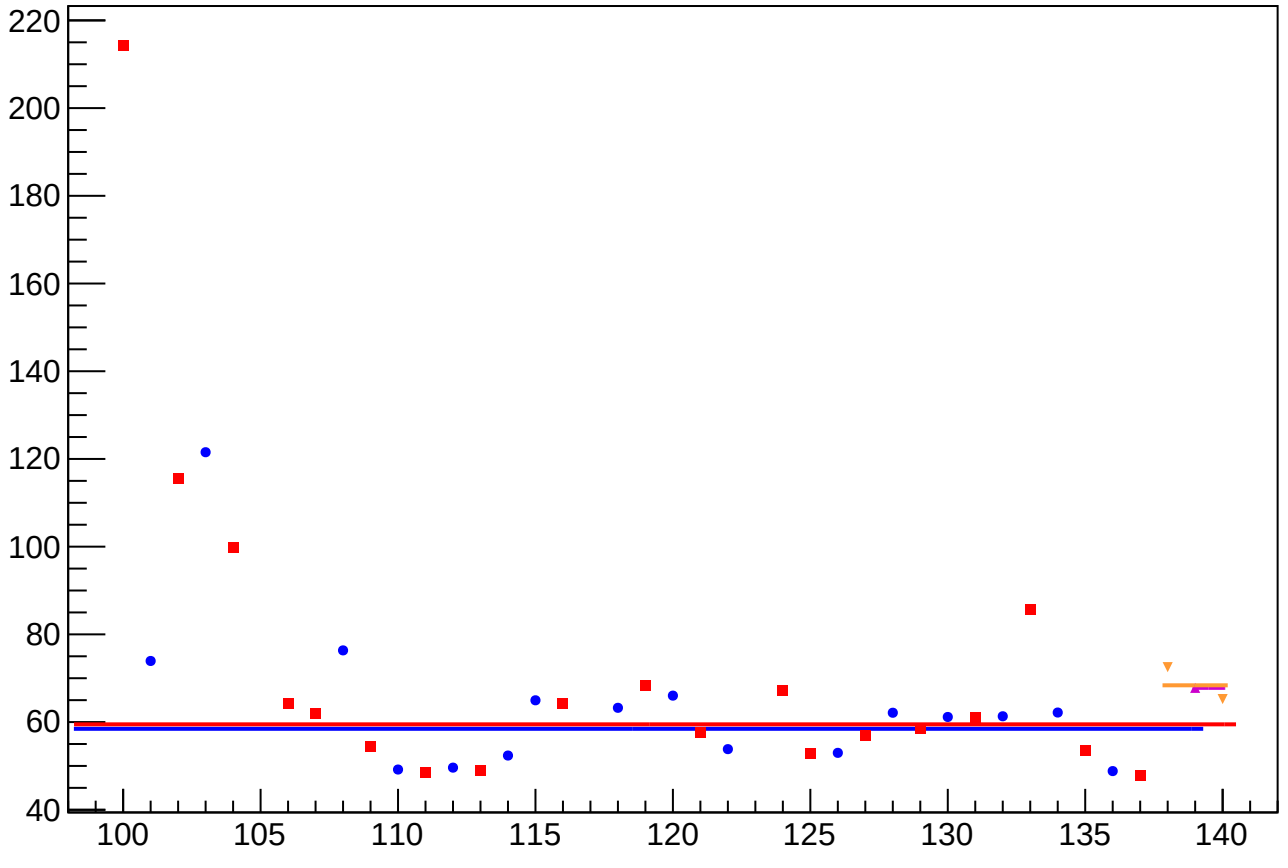
Left: 89.032+/-44.042 χ^2/NDF: 1.2/2

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 5.288+/-21.512 χ^2/NDF:16.2/16

Out: 36.503+/-21.024 χ^2/NDF:27.5/20

All: 21.254+/-15.036 χ^2/NDF: 44.8/37



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 68.385+/-0.039 χ^2/NDF:8655.8/1

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 67.806+/-0.052 χ^2/NDF:0.0/0

Left: 68.180+/-0.031 χ^2/NDF: 8734.9/2

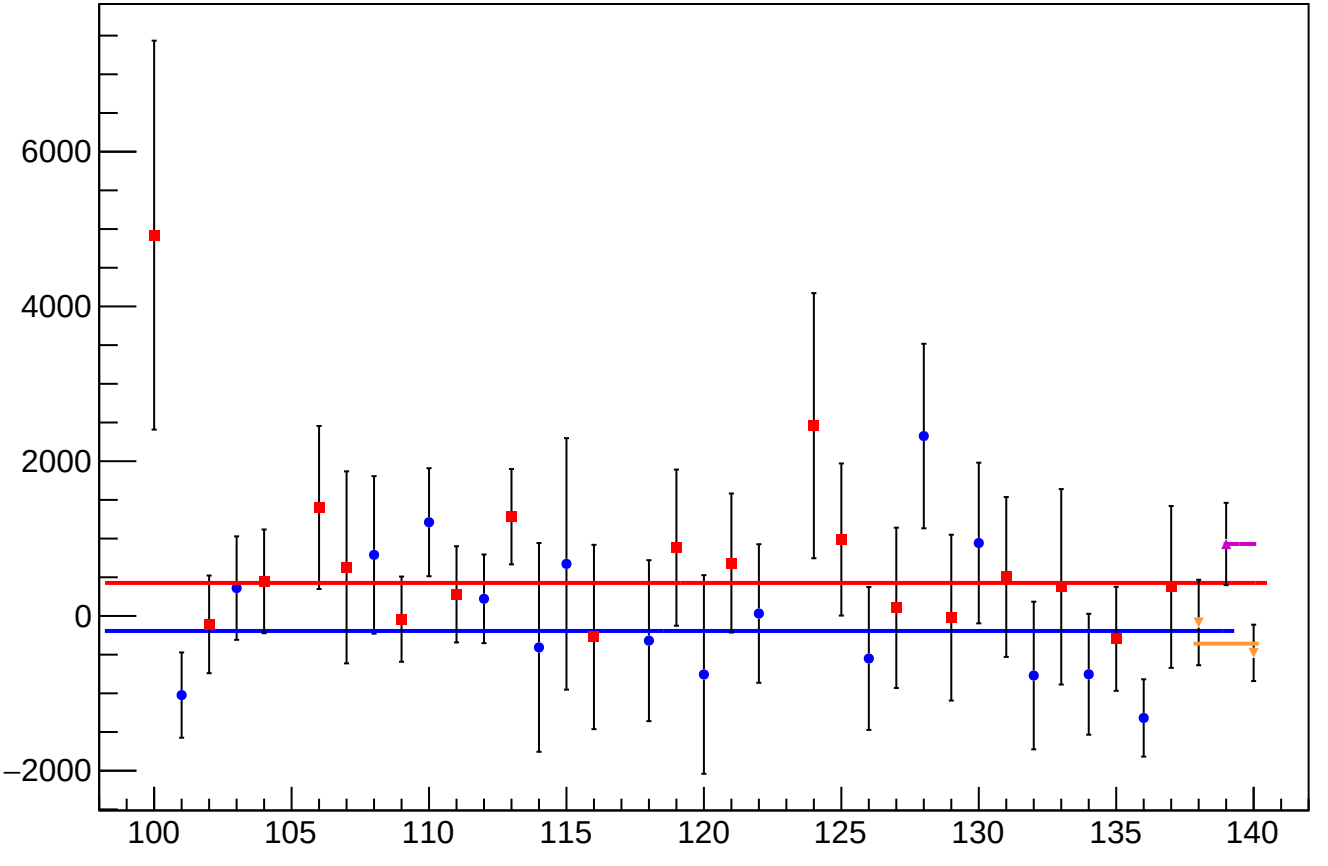
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 59.253+/-0.015 χ^2/NDF:612072.0/16

Out: 60.796+/-0.015 χ^2/NDF:838584.7/20

All: 60.042+/-0.011 χ^2/NDF: 1455923.4/37

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -358.036+/-304.137 χ^2/NDF:0.4/1

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 930.269+/-531.761 χ^2/NDF:0.0/0

Left: -40.483+/-264.007 χ^2/NDF: 4.8/2

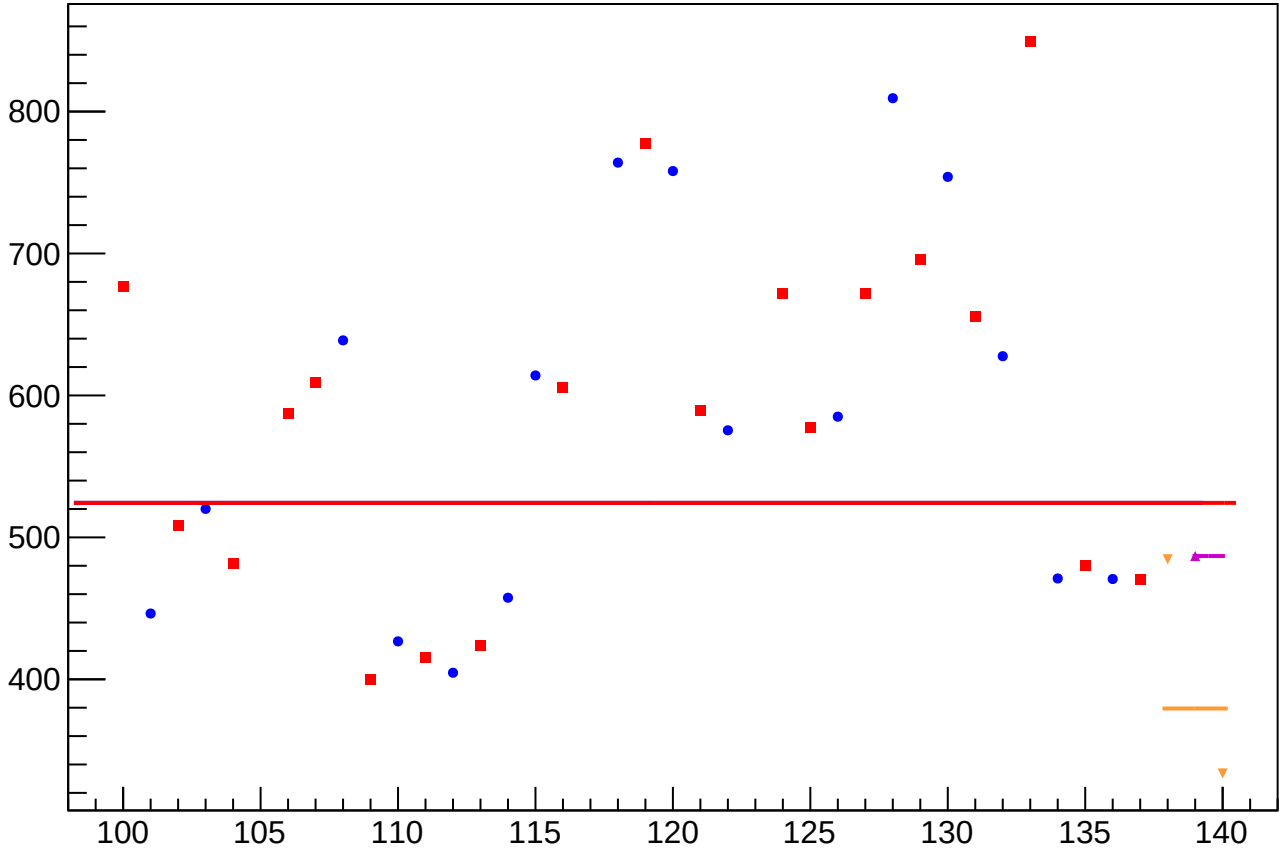
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: -53.847+/-187.692 χ^2/NDF:24.7/16

Out: 194.954+/-165.347 χ^2/NDF:16.4/20

All: 86.238+/-124.070 χ^2/NDF: 42.1/37

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 379.444+/-0.215 χ^2/NDF:103982.1/1

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 486.862+/-0.376 χ^2/NDF:0.0/0

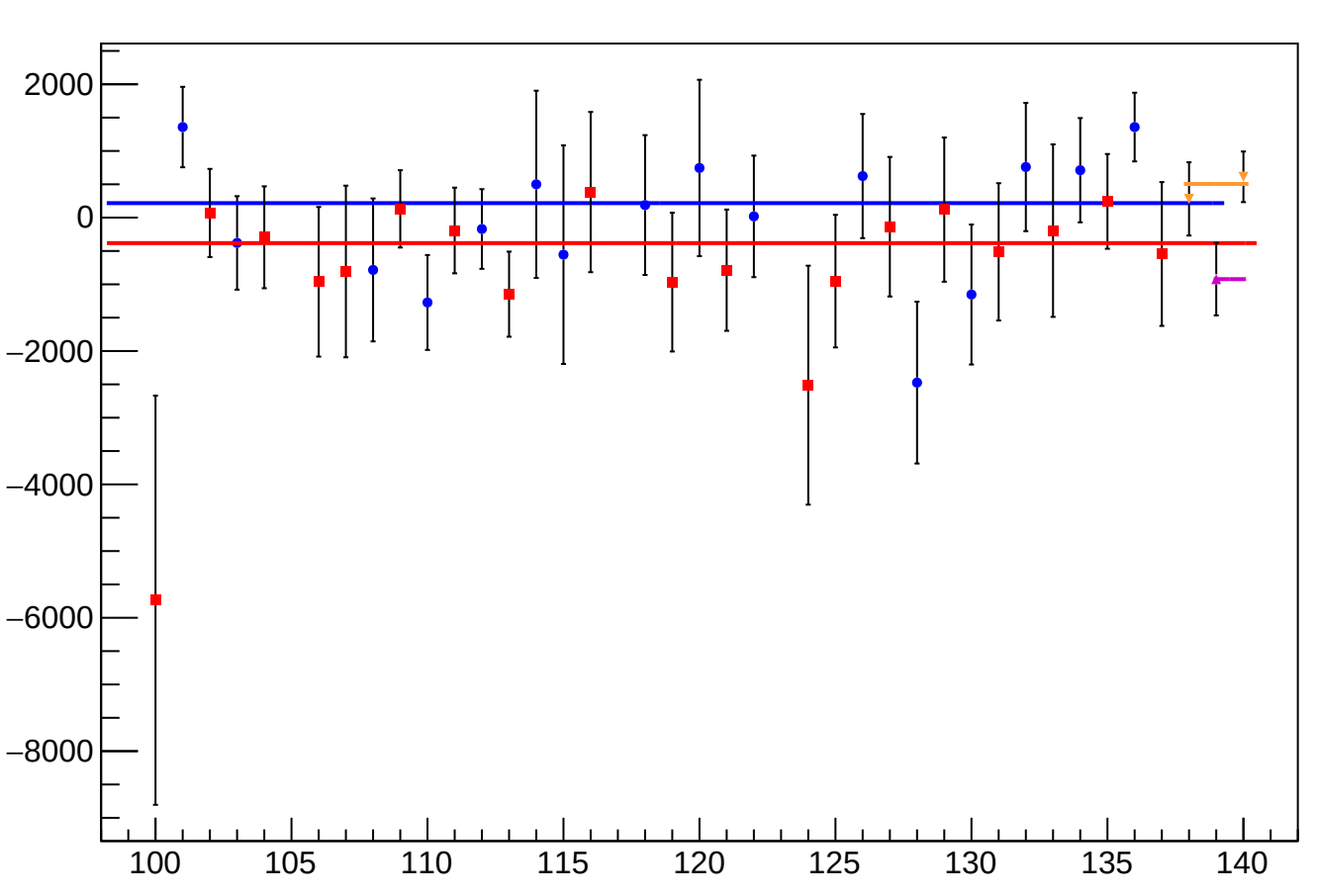
Left: 405.921+/-0.187 χ^2/NDF: 165477.7/2

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 519.658+/-0.133 χ^2/NDF:667183.8/16

Out: 481.489+/-0.117 χ^2/NDF:1109668.1/20

All: 498.167+/-0.088 χ^2/NDF: 1823420.4/37



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 505.325+/-312.359 χ^2/NDF:0.2/1

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -922.351+/-543.560 χ^2/NDF:0.0/0

Left: 150.906+/-270.826 χ^2/NDF: 5.4/2

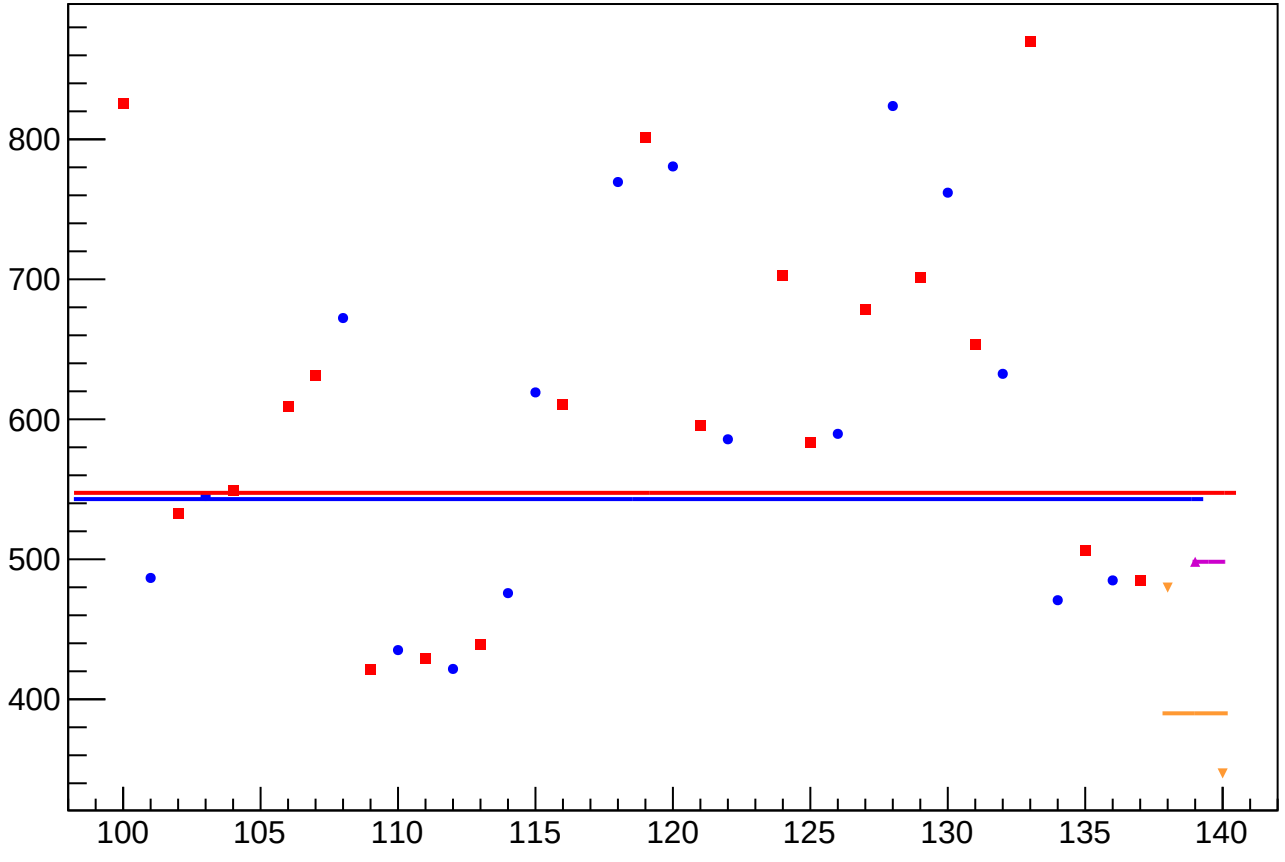
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 72.754+/-193.849 χ^2/NDF:26.7/16

Out: -113.688+/-171.728 χ^2/NDF:15.9/20

All: -31.707+/-128.542 χ^2/NDF: 43.1/37

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 389.970+/-0.221 χ^2/NDF:79035.0/1

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 498.229+/-0.384 χ^2/NDF:0.0/0

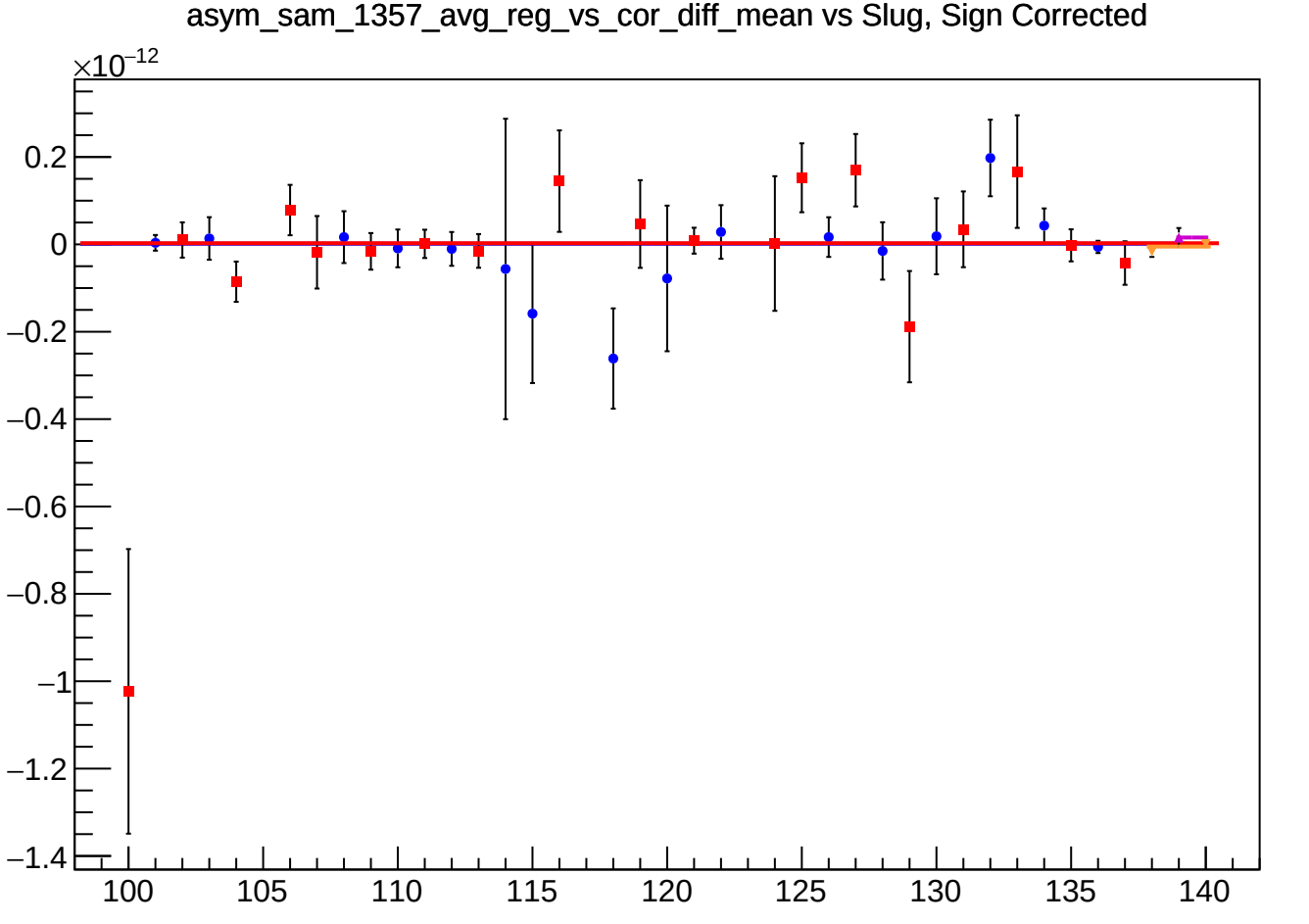
Left: 416.845+/-0.192 χ^2/NDF: 138674.1/2

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 537.304+/-0.137 χ^2/NDF:617092.2/16

Out: 499.861+/-0.121 χ^2/NDF:1064090.7/20

All: 516.325+/-0.091 χ^2/NDF: 1722989.0/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

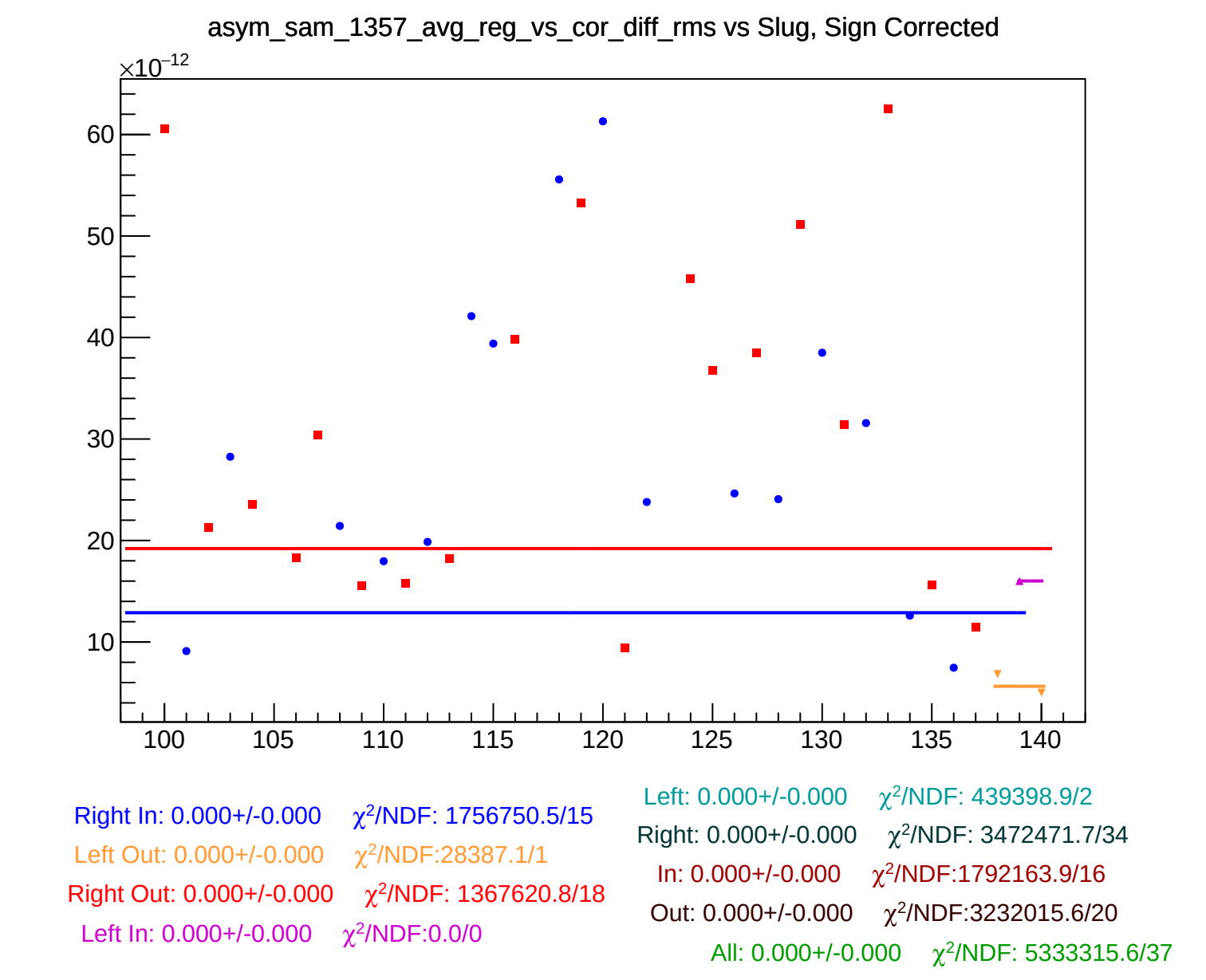
Left: -0.000+/-0.000 χ^2/NDF: 2.1/2

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

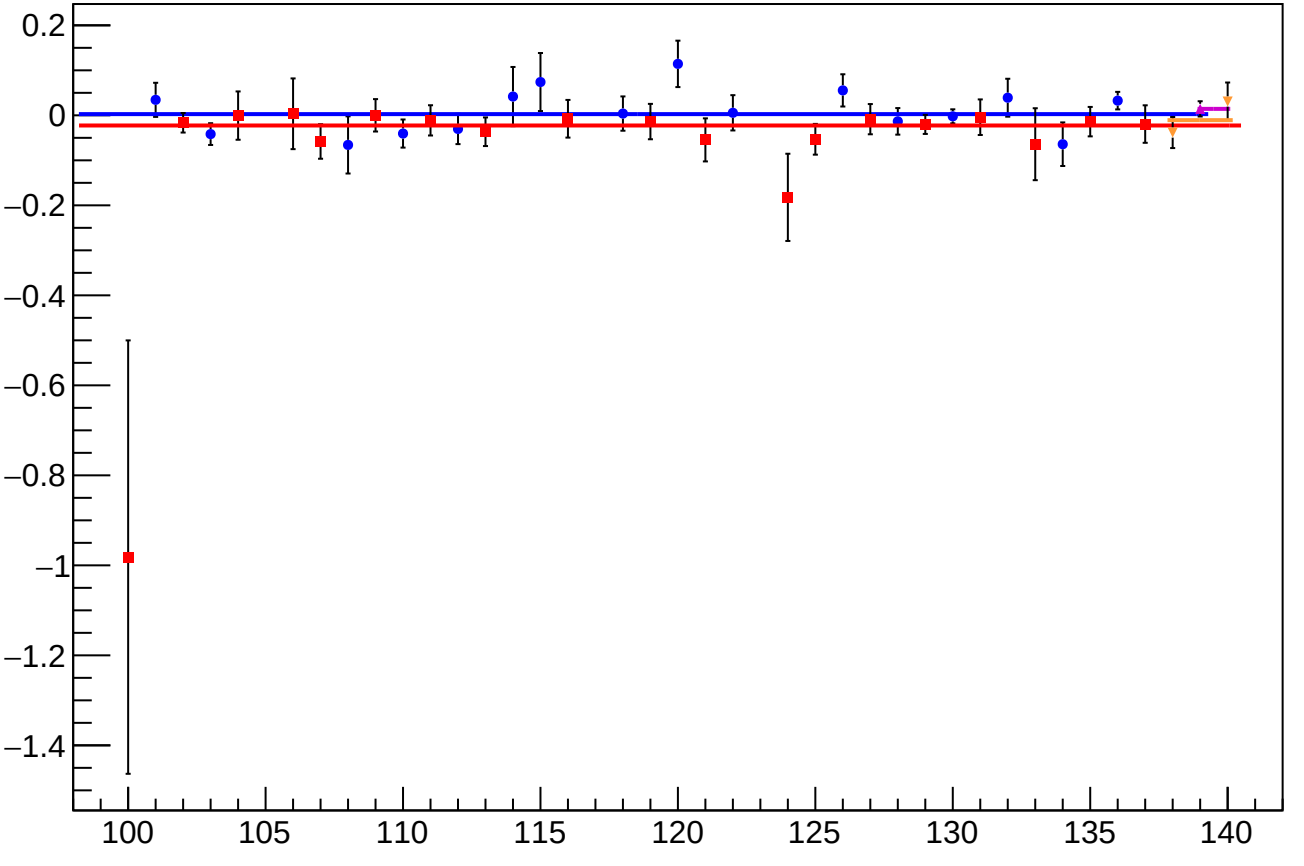
In: 0.000+/-0.000 χ^2/NDF:14.0/16

Out: -0.000+/-0.000 χ^2/NDF:31.6/20

All: -0.000+/-0.000 χ^2/NDF: 46.0/37


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:28387.1/1
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 439398.9/2
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:1792163.9/16
Out: 0.000+/-0.000 χ²/NDF:3232015.6/20
All: 0.000+/-0.000 χ²/NDF: 5333315.6/37

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: -0.011+/-0.027 χ^2/NDF:1.6/1

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.014+/-0.017 χ^2/NDF:0.0/0

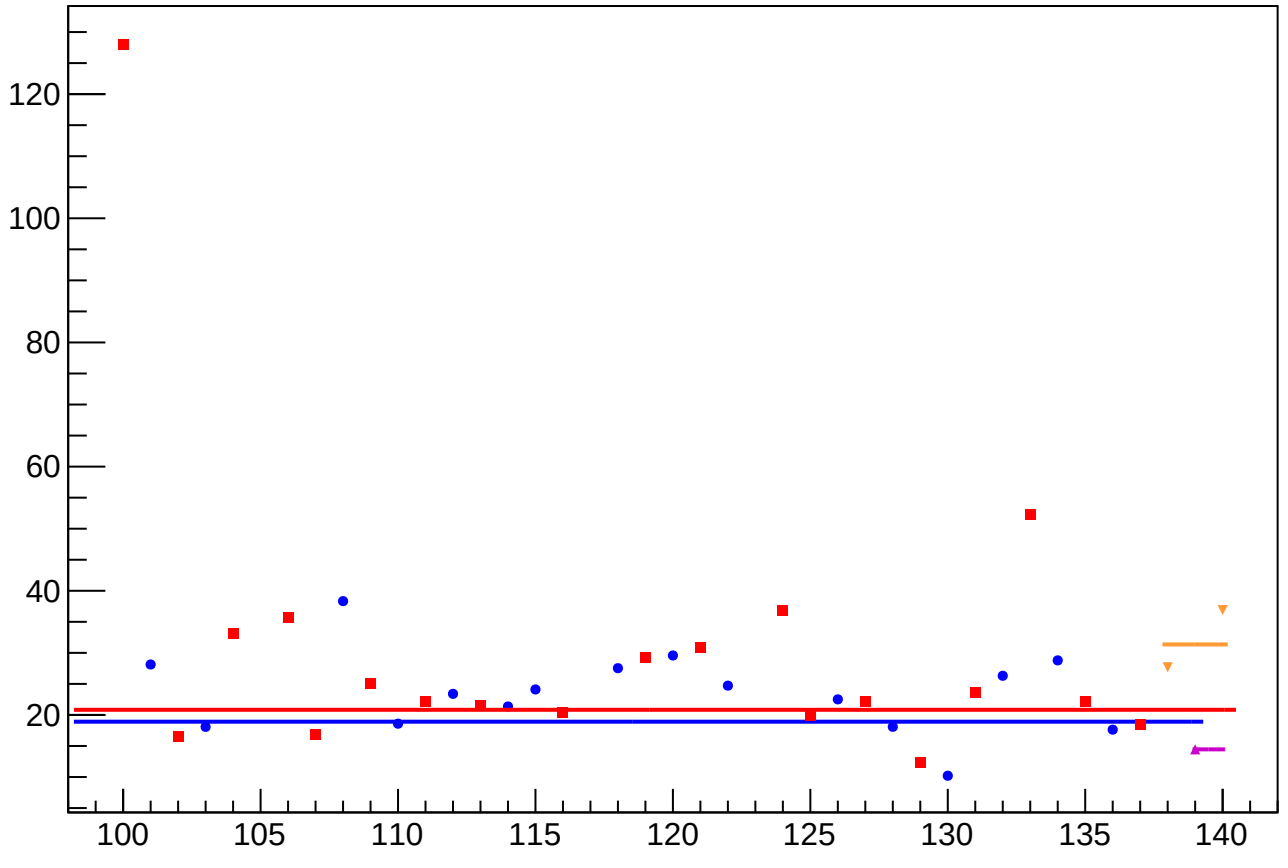
Left: 0.007+/-0.014 χ^2/NDF: 2.2/2

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.005+/-0.007 χ^2/NDF:22.3/16

Out: -0.021+/-0.008 χ^2/NDF:12.5/20

All: -0.007+/-0.005 χ^2/NDF: 40.9/37



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 31.355+/-0.019 χ^2/NDF:56982.9/1

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 14.456+/-0.012 χ^2/NDF:0.0/0

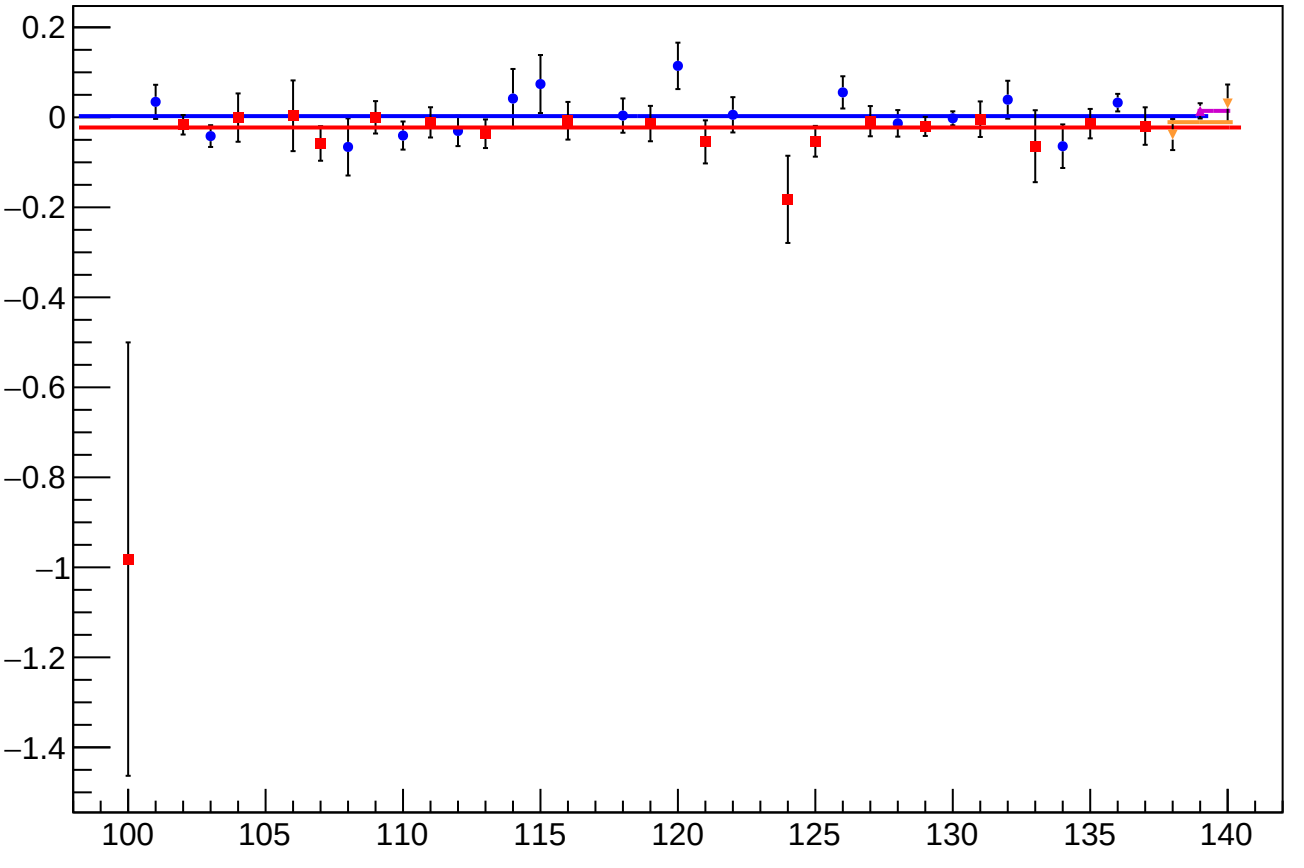
Left: 19.303+/-0.010 χ^2/NDF: 626691.5/2

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.132+/-0.005 χ^2/NDF:1504267.9/16

Out: 21.782+/-0.006 χ^2/NDF:1630457.7/20

All: 19.725+/-0.004 χ^2/NDF: 3366049.5/37



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.011+/-0.027 χ^2/NDF:1.6/1

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.014+/-0.017 χ^2/NDF:0.0/0

Left: 0.007+/-0.014 χ^2/NDF: 2.2/2

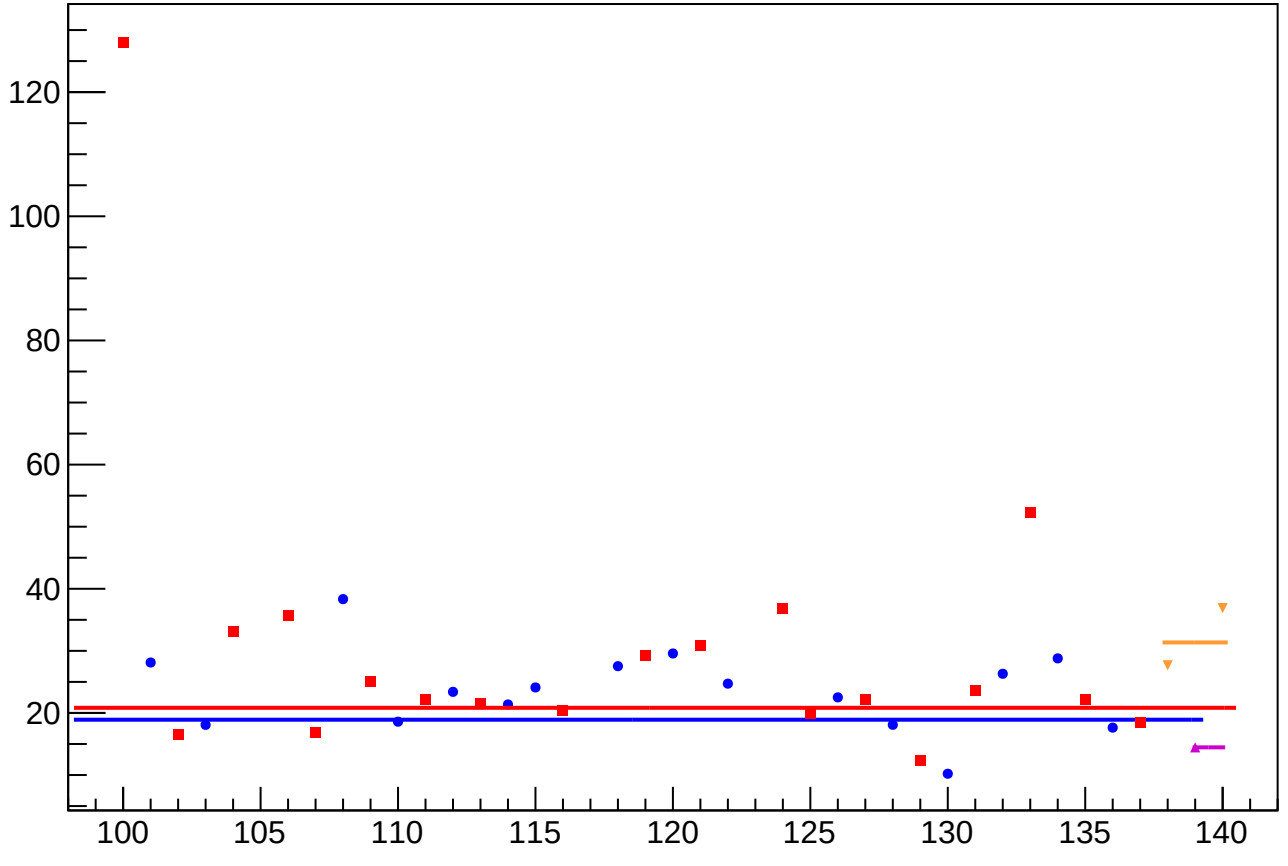
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.005+/-0.007 χ^2/NDF:22.3/16

Out: -0.021+/-0.008 χ^2/NDF:12.5/20

All: -0.007+/-0.005 χ^2/NDF: 40.9/37

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 31.355+/-0.019 χ^2/NDF:56982.9/1

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 14.456+/-0.012 χ^2/NDF:0.0/0

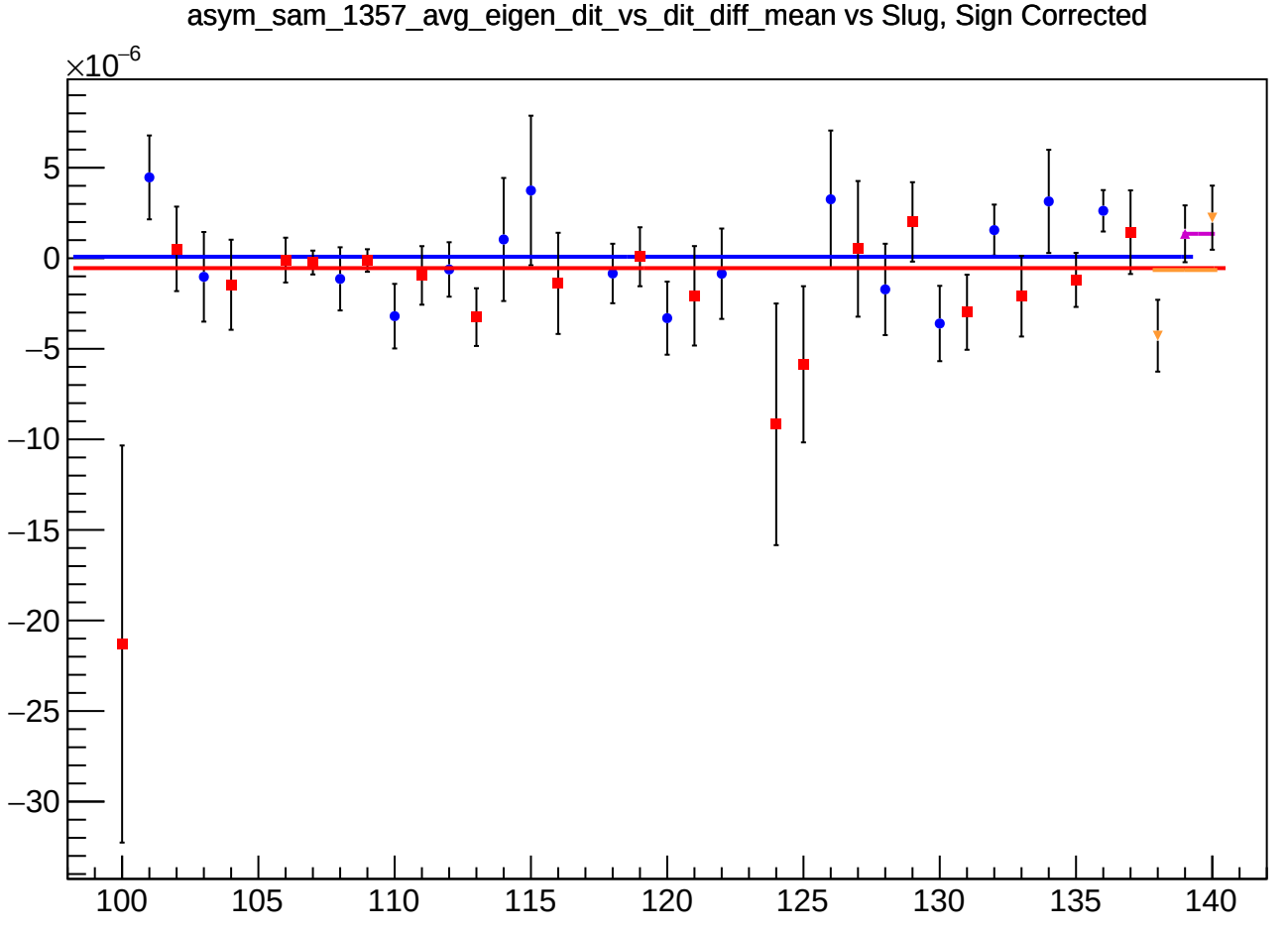
Left: 19.303+/-0.010 χ^2/NDF: 626691.5/2

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.132+/-0.005 χ^2/NDF:1504267.9/16

Out: 21.782+/-0.006 χ^2/NDF:1630457.7/20

All: 19.725+/-0.004 χ^2/NDF: 3366049.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

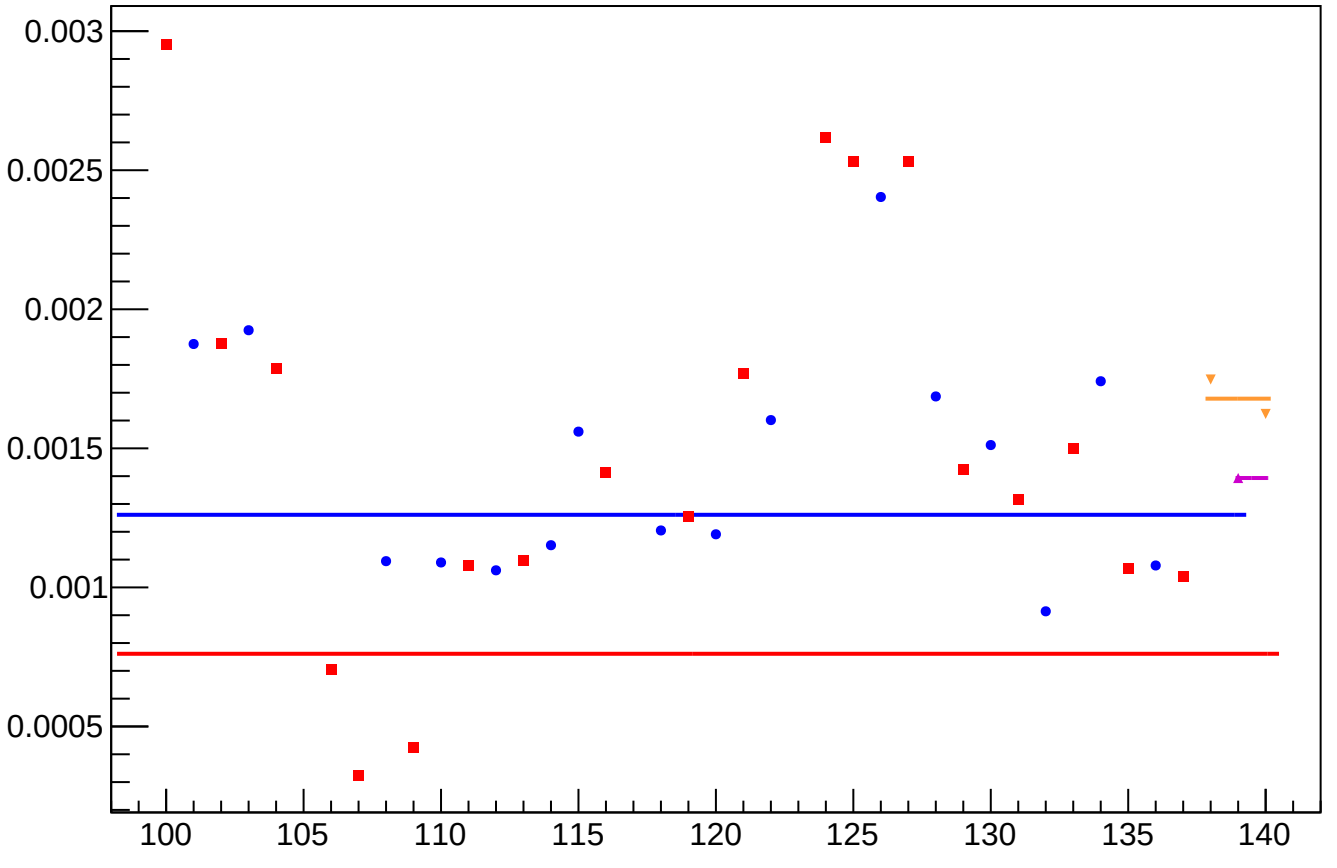
Left: 0.000+/-0.000 χ^2/NDF: 7.0/2

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:24.1/16

Out: -0.000+/-0.000 χ^2/NDF:21.7/20

All: -0.000+/-0.000 χ^2/NDF: 47.5/37



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:4336.0/1

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:0.0/0

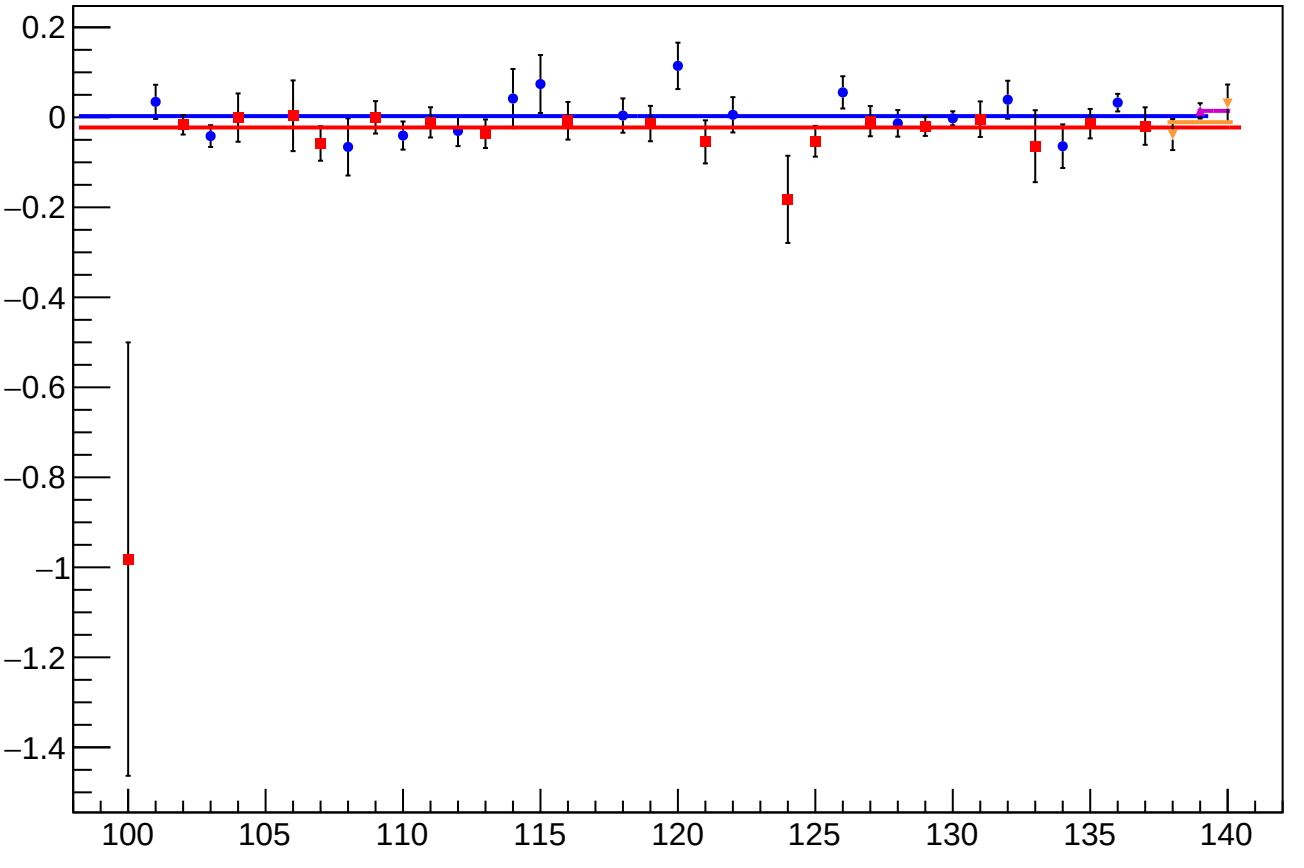
Left: 0.002+/-0.000 χ^2/NDF: 43030.5/2

Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:920300.0/16

Out: 0.001+/-0.000 χ^2/NDF:5582723.6/20

All: 0.001+/-0.000 χ^2/NDF: 7779240.7/37



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.011+/-0.027 χ^2/NDF:1.6/1

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.014+/-0.017 χ^2/NDF:0.0/0

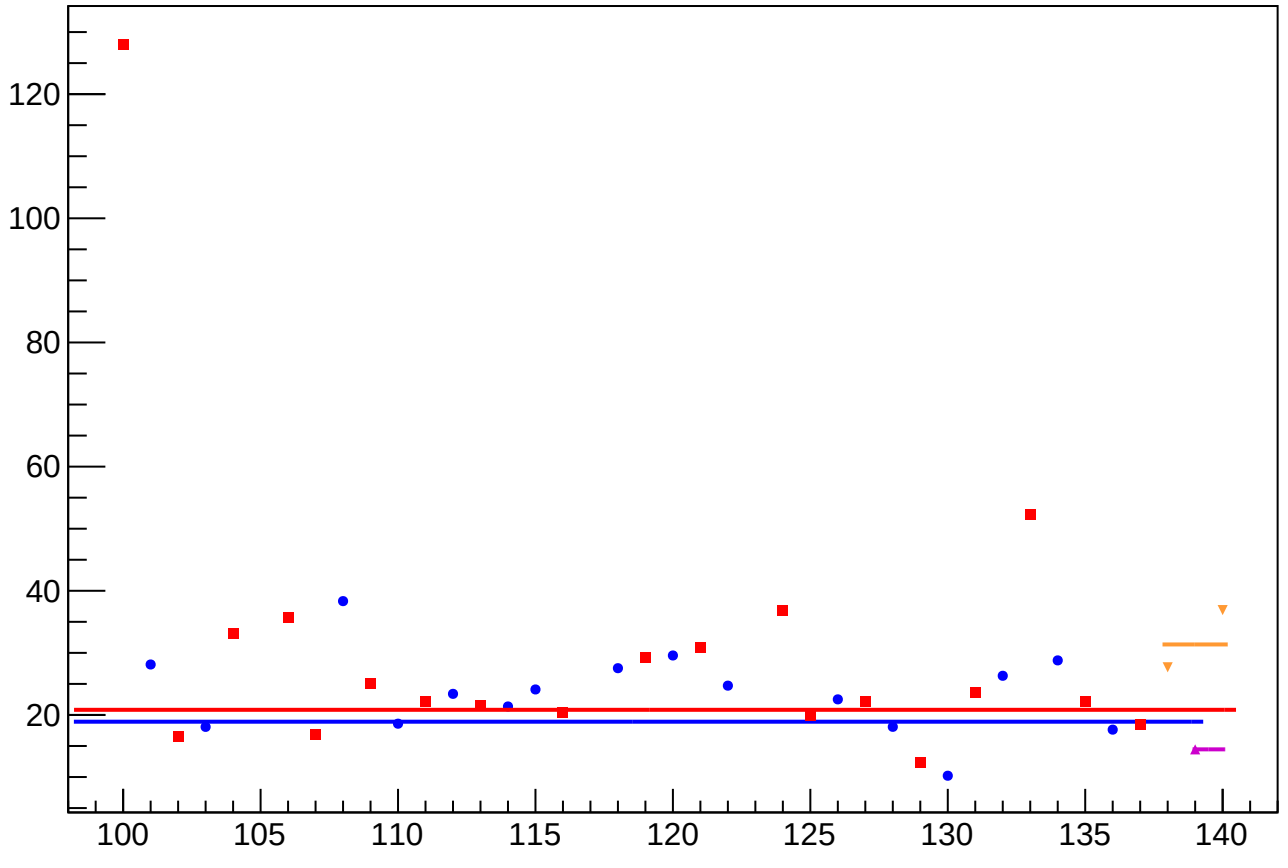
Left: 0.007+/-0.014 χ^2/NDF: 2.2/2

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.005+/-0.007 χ^2/NDF:22.3/16

Out: -0.021+/-0.008 χ^2/NDF:12.5/20

All: -0.007+/-0.005 χ^2/NDF: 40.9/37



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 31.356+/-0.019 χ^2/NDF:56984.2/1

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 14.457+/-0.012 χ^2/NDF:0.0/0

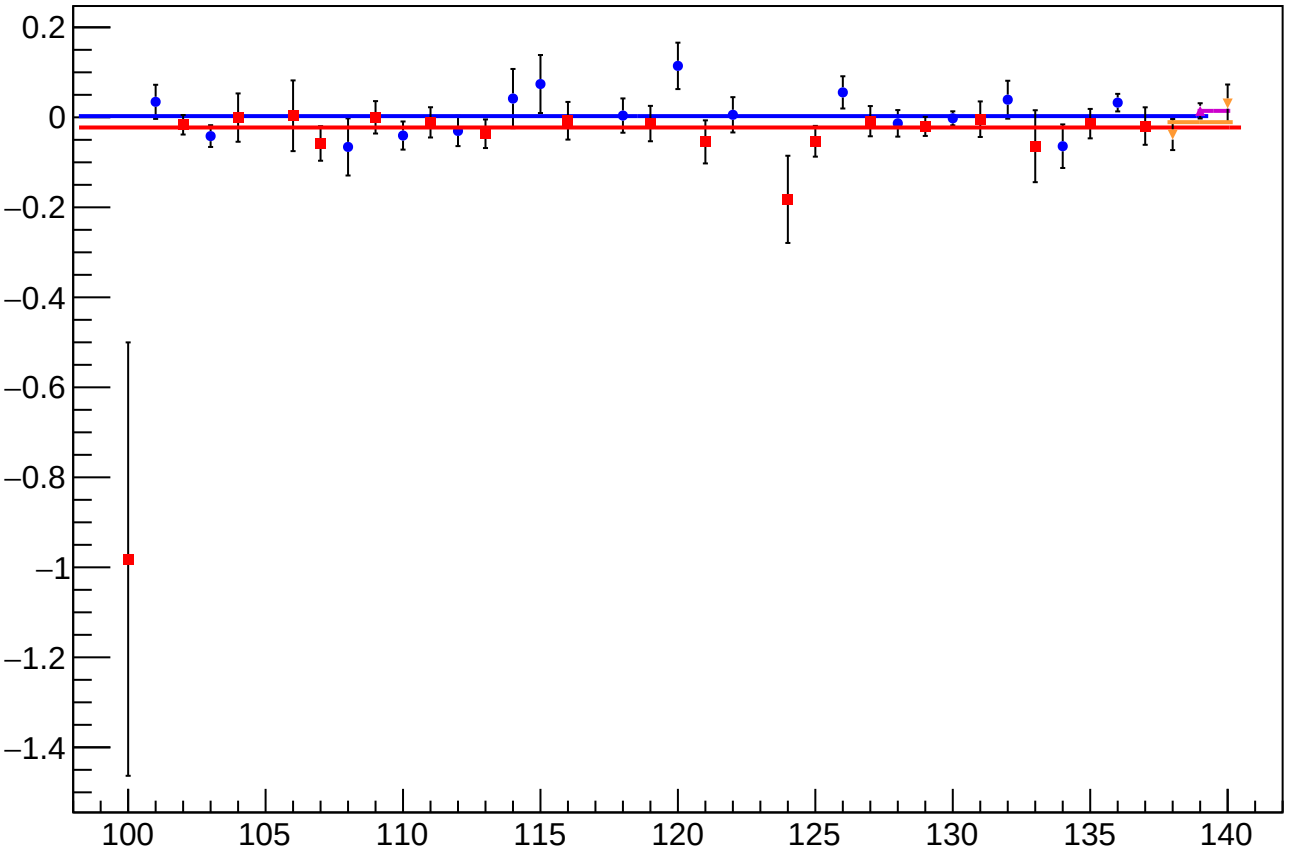
Left: 19.304+/-0.010 χ^2/NDF: 626659.4/2

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.133+/-0.005 χ^2/NDF:1504131.2/16

Out: 21.783+/-0.006 χ^2/NDF:1630464.0/20

All: 19.726+/-0.004 χ^2/NDF: 3365881.0/37



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.011+/-0.027 χ^2/NDF:1.6/1

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.014+/-0.017 χ^2/NDF:0.0/0

Left: 0.007+/-0.014 χ^2/NDF: 2.2/2

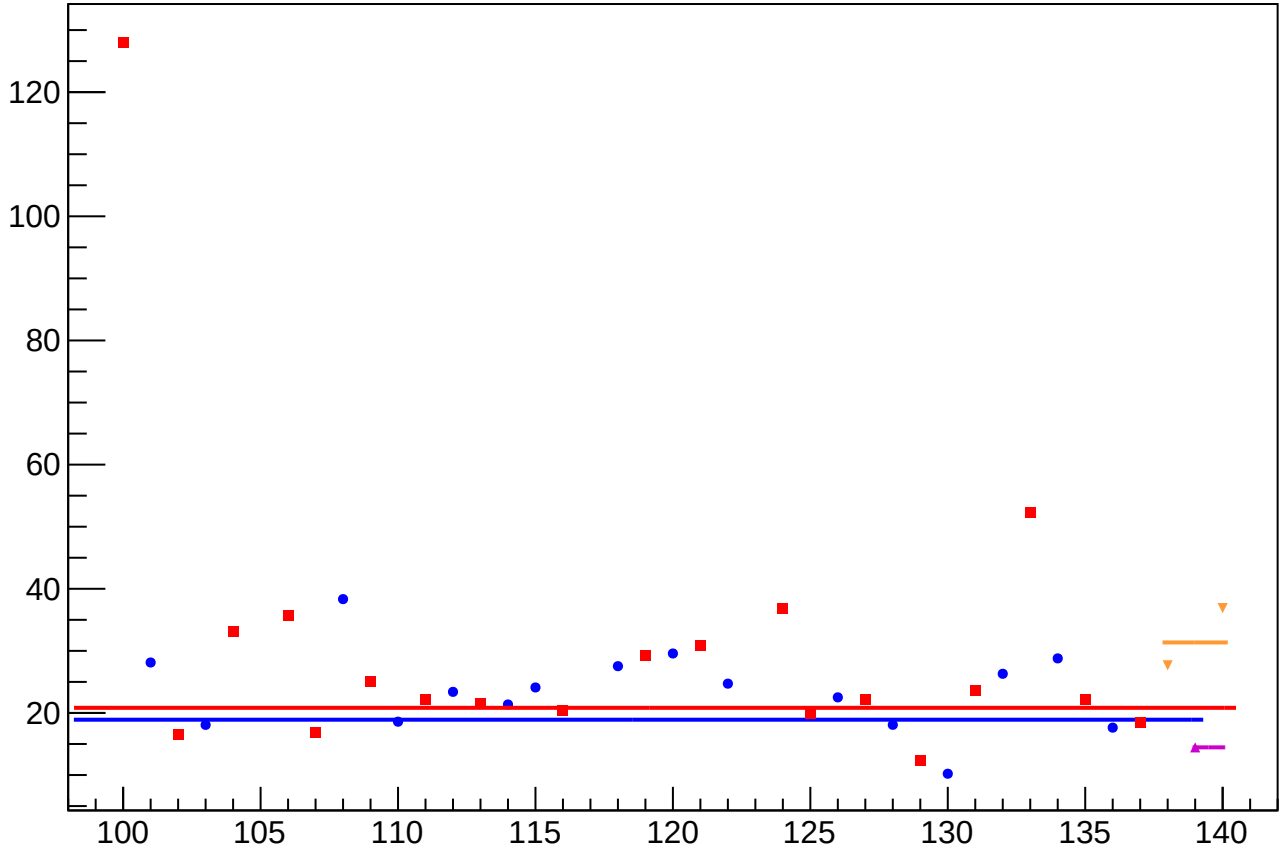
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.005+/-0.007 χ^2/NDF:22.3/16

Out: -0.021+/-0.008 χ^2/NDF:12.5/20

All: -0.007+/-0.005 χ^2/NDF: 40.9/37

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 31.356+/-0.019 χ^2/NDF:56984.2/1

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 14.457+/-0.012 χ^2/NDF:0.0/0

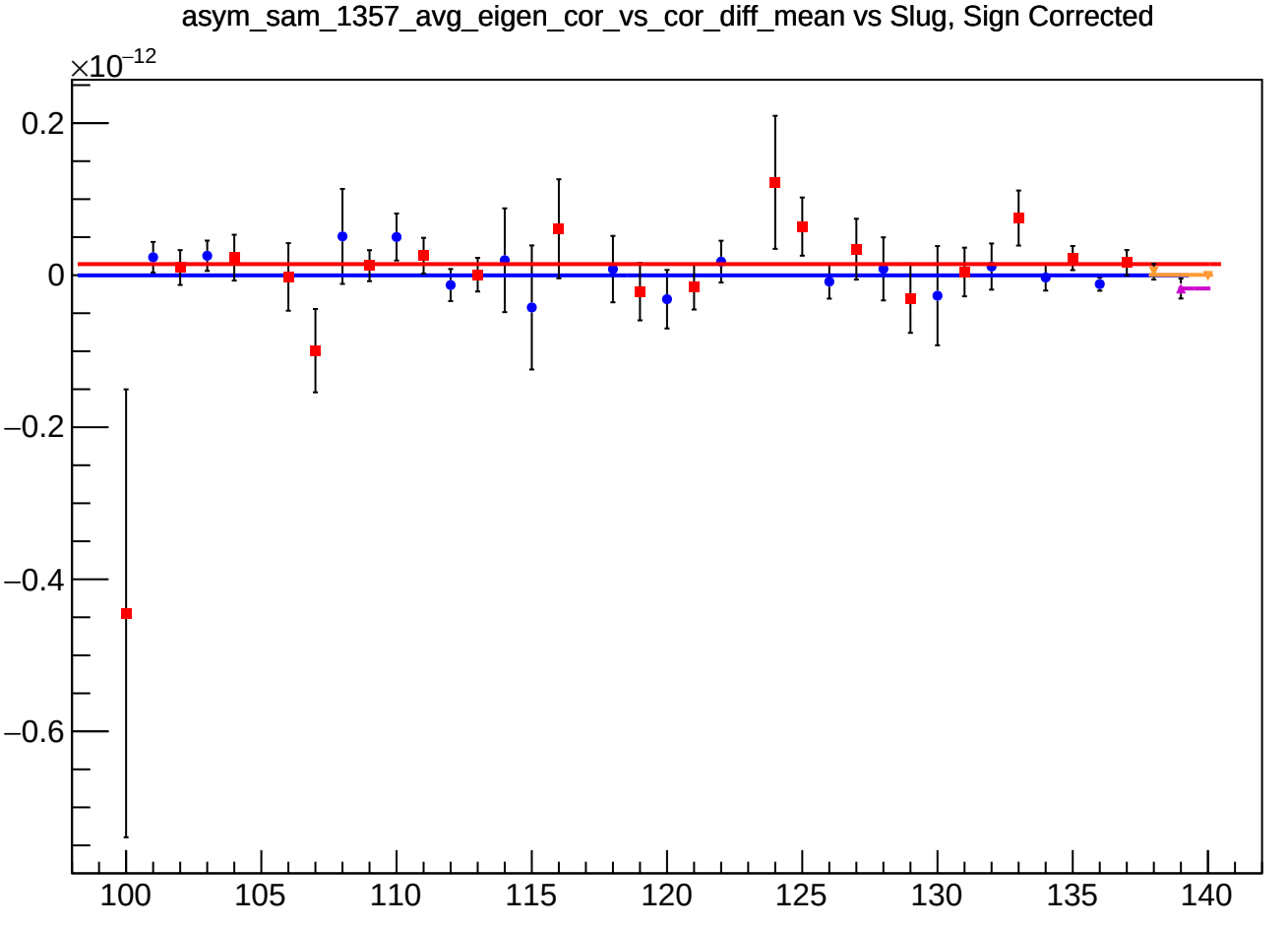
Left: 19.304+/-0.010 χ^2/NDF: 626659.4/2

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.133+/-0.005 χ^2/NDF:1504131.2/16

Out: 21.783+/-0.006 χ^2/NDF:1630464.0/20

All: 19.726+/-0.004 χ^2/NDF: 3365881.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.000+/-0.000 χ^2/NDF: 1.8/2

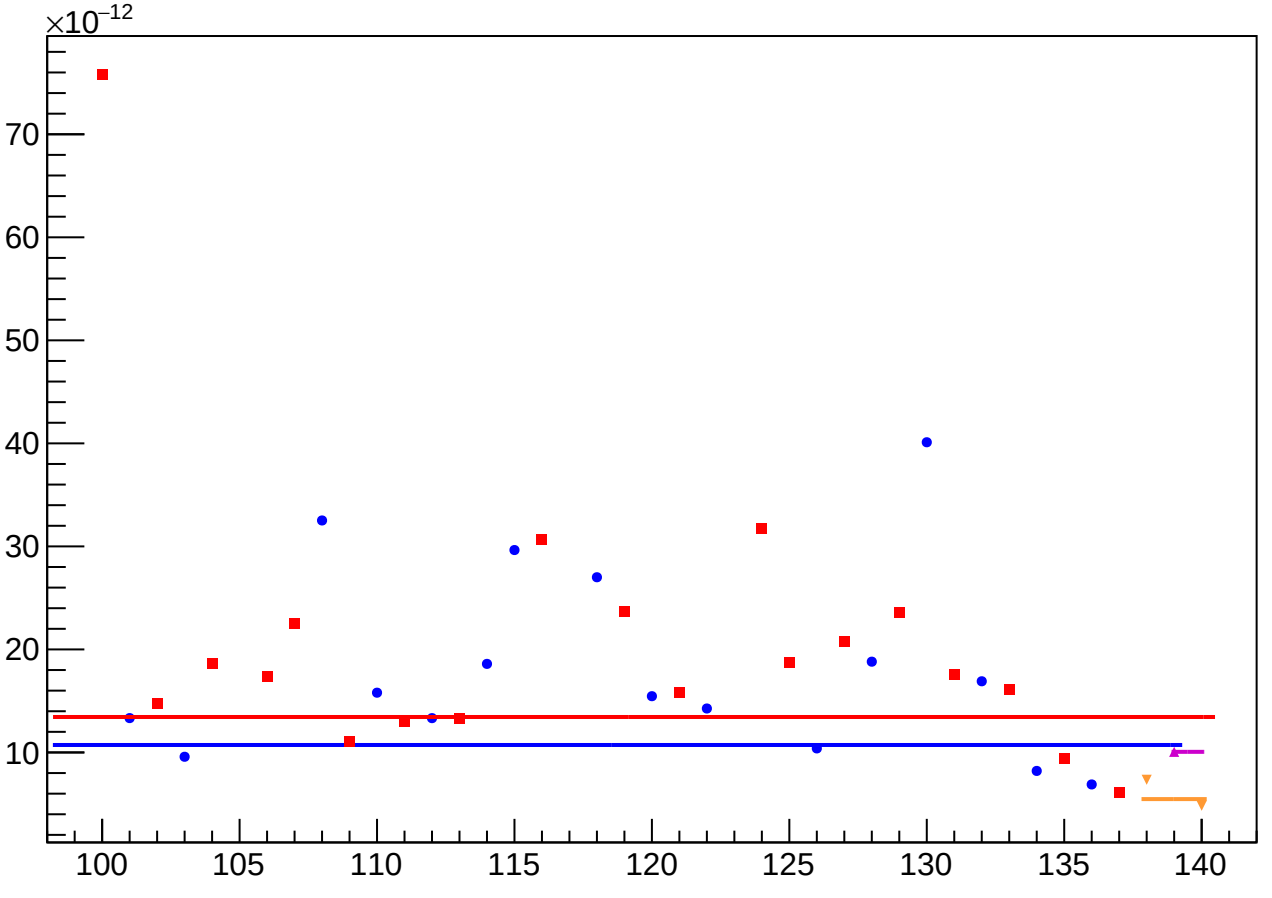
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:12.0/16

Out: 0.000+/-0.000 χ^2/NDF:20.7/20

All: 0.000+/-0.000 χ^2/NDF: 34.5/37

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:87321.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

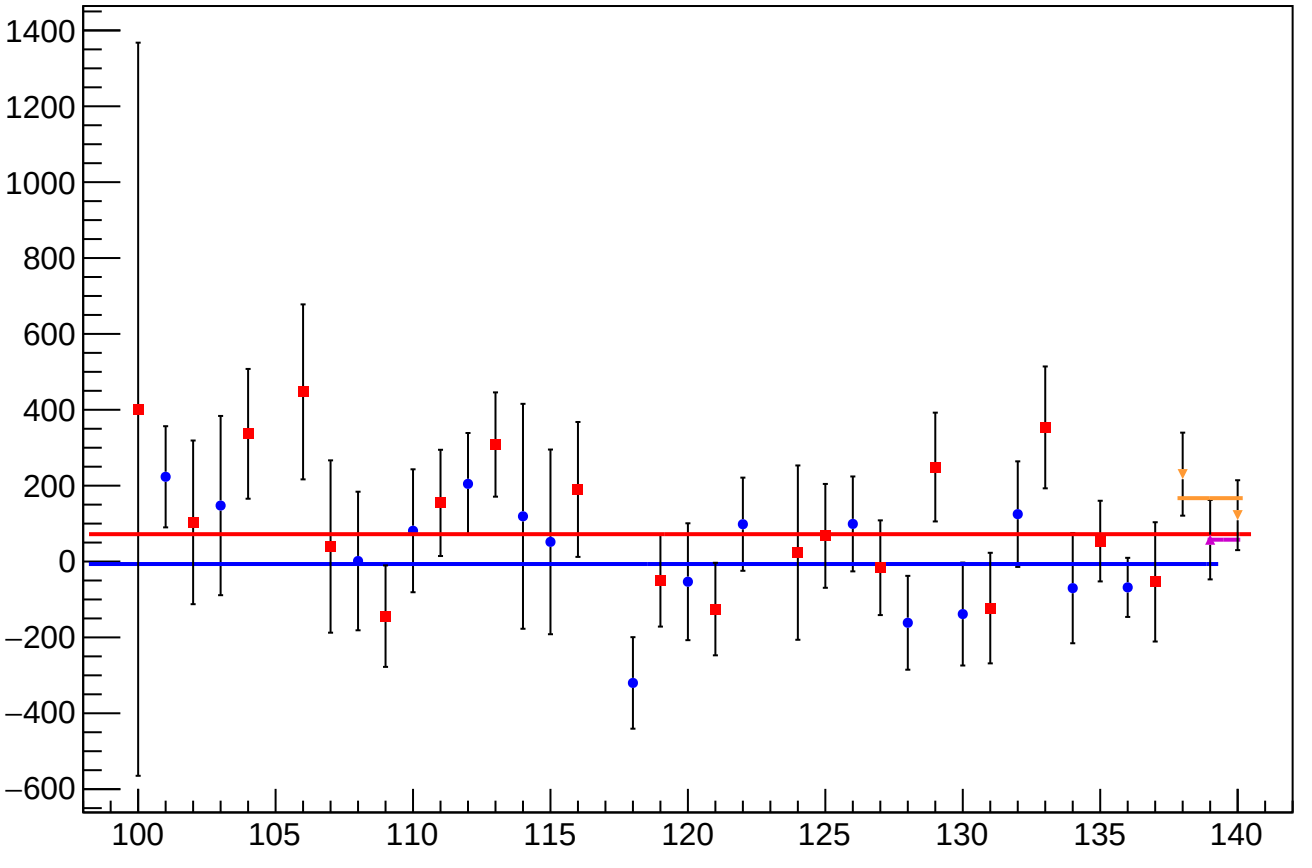
Left: 0.000+/-0.000 χ^2/NDF: 297551.5/2

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:1840897.0/16

Out: 0.000+/-0.000 χ^2/NDF:3291386.8/20

All: 0.000+/-0.000 χ^2/NDF: 5318377.8/37



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 167.044+/-70.477 χ^2/NDF:0.6/1

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 57.571+/-104.644 χ^2/NDF:0.0/0

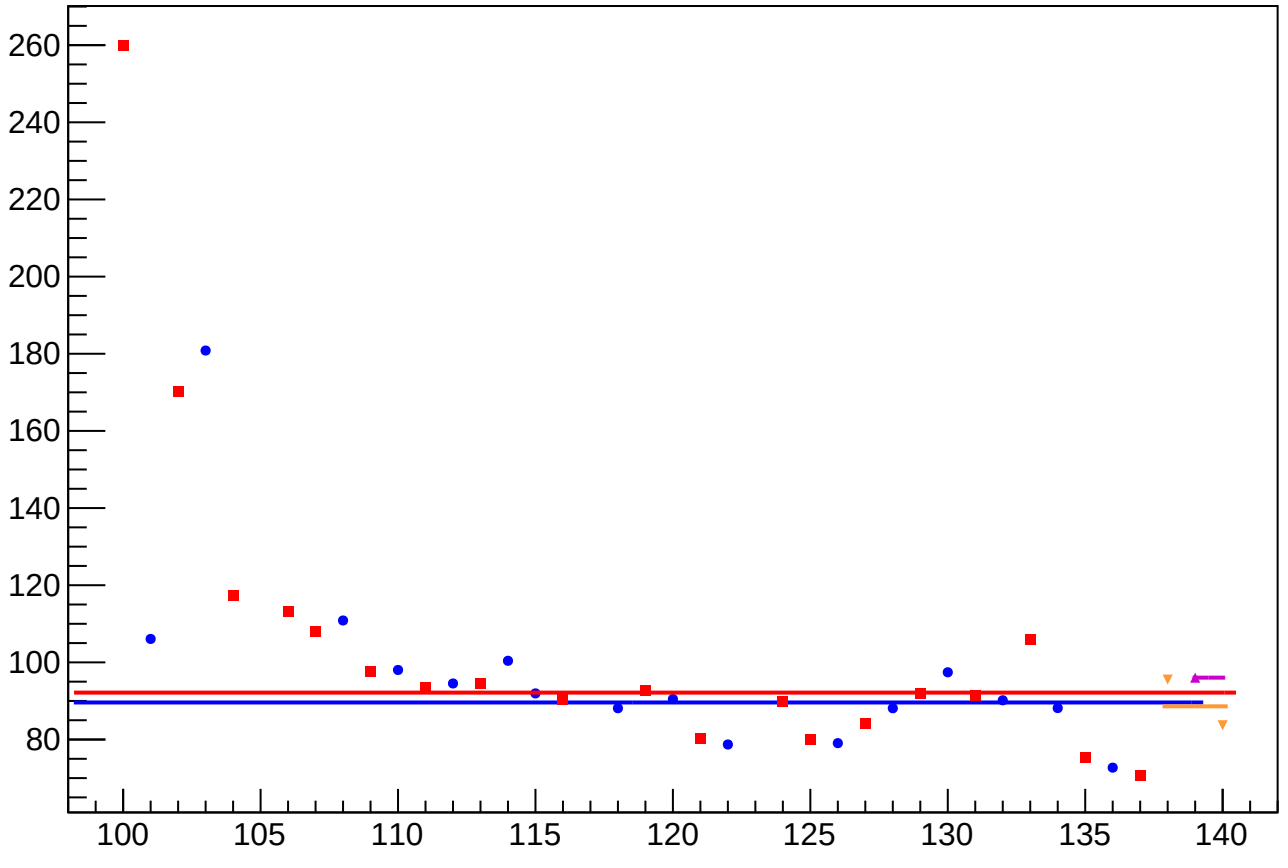
Left: 132.884+/-58.455 χ^2/NDF: 1.3/2

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: -0.342+/-32.582 χ^2/NDF:19.3/16

Out: 90.802+/-31.263 χ^2/NDF:24.8/20

All: 47.112+/-22.558 χ^2/NDF: 48.2/37



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 88.604+/-0.050 χ^2/NDF:13704.9/1

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 96.038+/-0.074 χ^2/NDF:0.0/0

Left: 90.924+/-0.041 χ^2/NDF: 20649.8/2

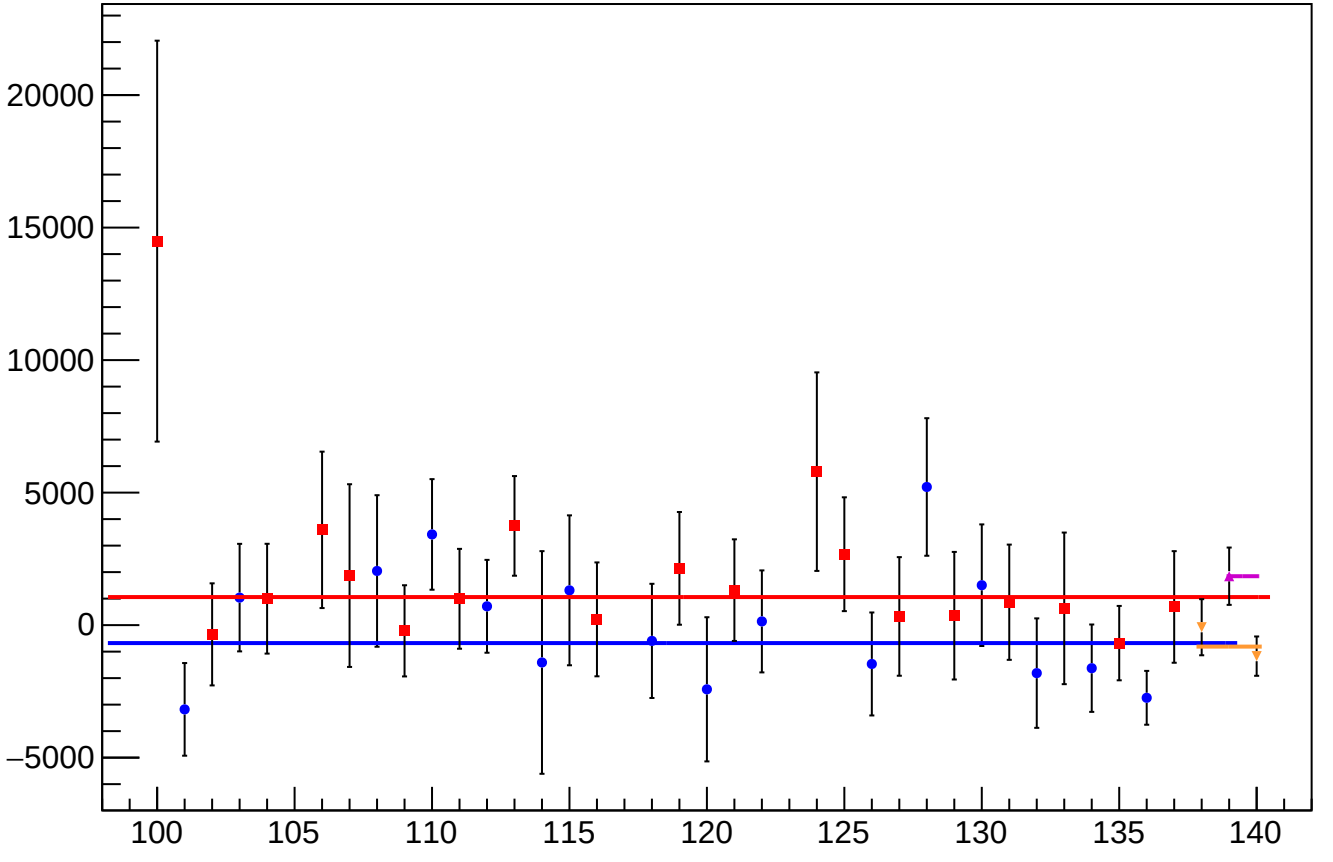
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 90.227+/-0.023 χ^2/NDF:505209.5/16

Out: 91.461+/-0.022 χ^2/NDF:559872.5/20

All: 90.870+/-0.016 χ^2/NDF: 1066574.7/37

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -810.638+/-607.503 χ^2/NDF:0.7/1

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 1845.772+/-1081.275 χ^2/NDF:0.0/0

Left: -173.294+/-529.634 χ^2/NDF: 5.3/2

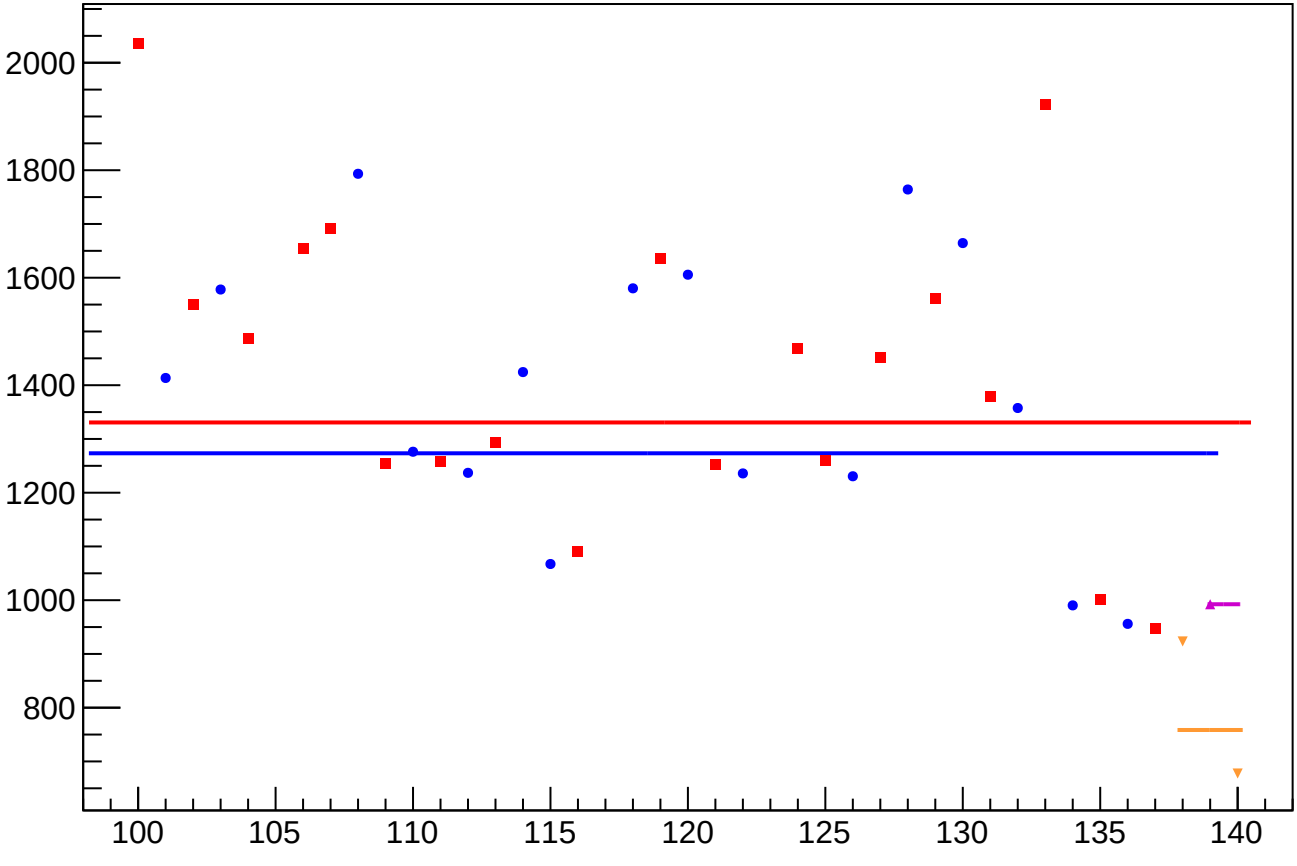
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -252.621+/-443.646 χ^2/NDF:24.8/16

Out: 310.411+/-384.370 χ^2/NDF:17.8/20

All: 68.996+/-290.504 χ^2/NDF: 43.6/37

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: 758.506+/-0.430 χ^2/NDF:72308.6/1

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 992.467+/-0.765 χ^2/NDF:0.0/0

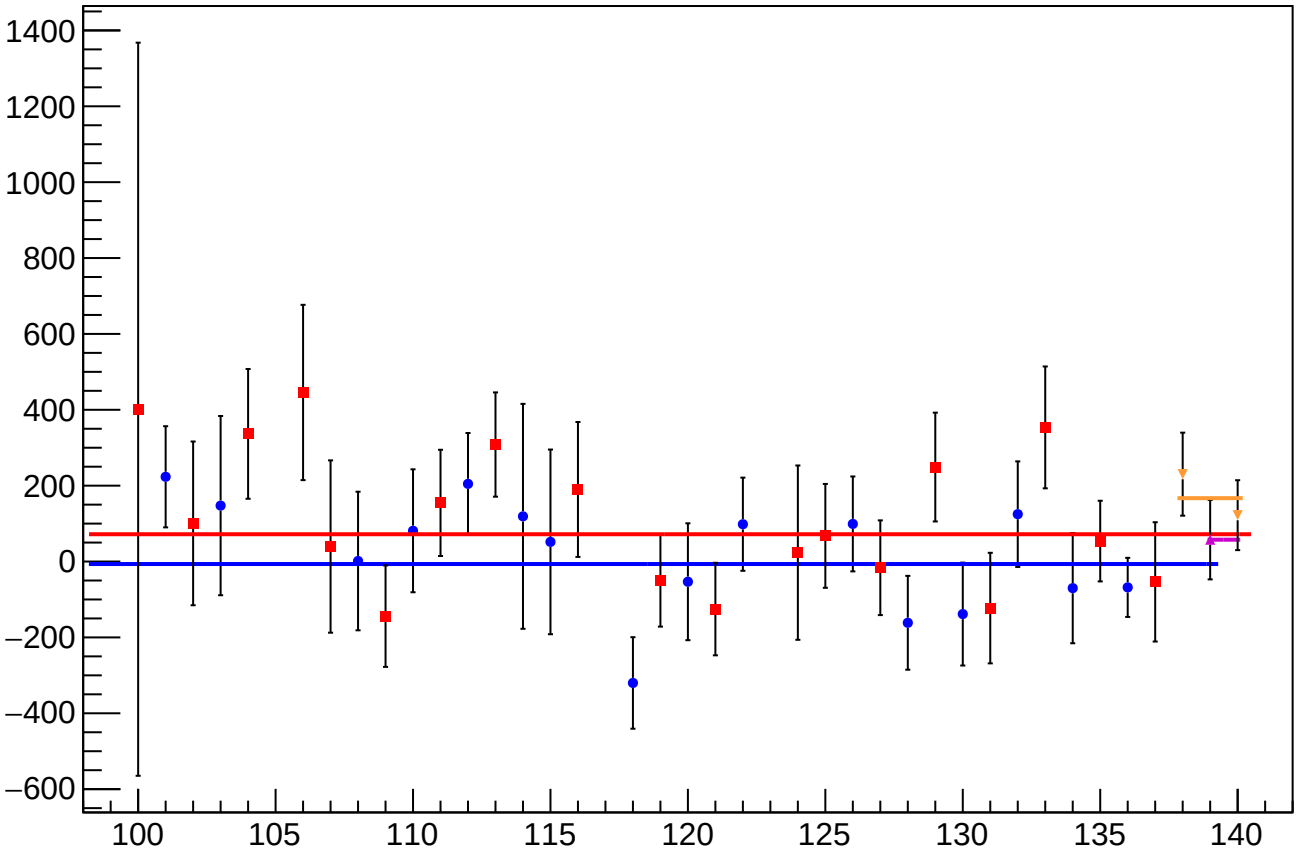
Left: 814.639+/-0.375 χ^2/NDF: 143479.2/2

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 1226.043+/-0.314 χ^2/NDF:709741.0/16

Out: 1101.632+/-0.272 χ^2/NDF:1606954.0/20

All: 1154.976+/-0.205 χ^2/NDF: 2406538.1/37



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 167.059+/-70.477 χ^2/NDF:0.6/1

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 57.585+/-104.644 χ^2/NDF:0.0/0

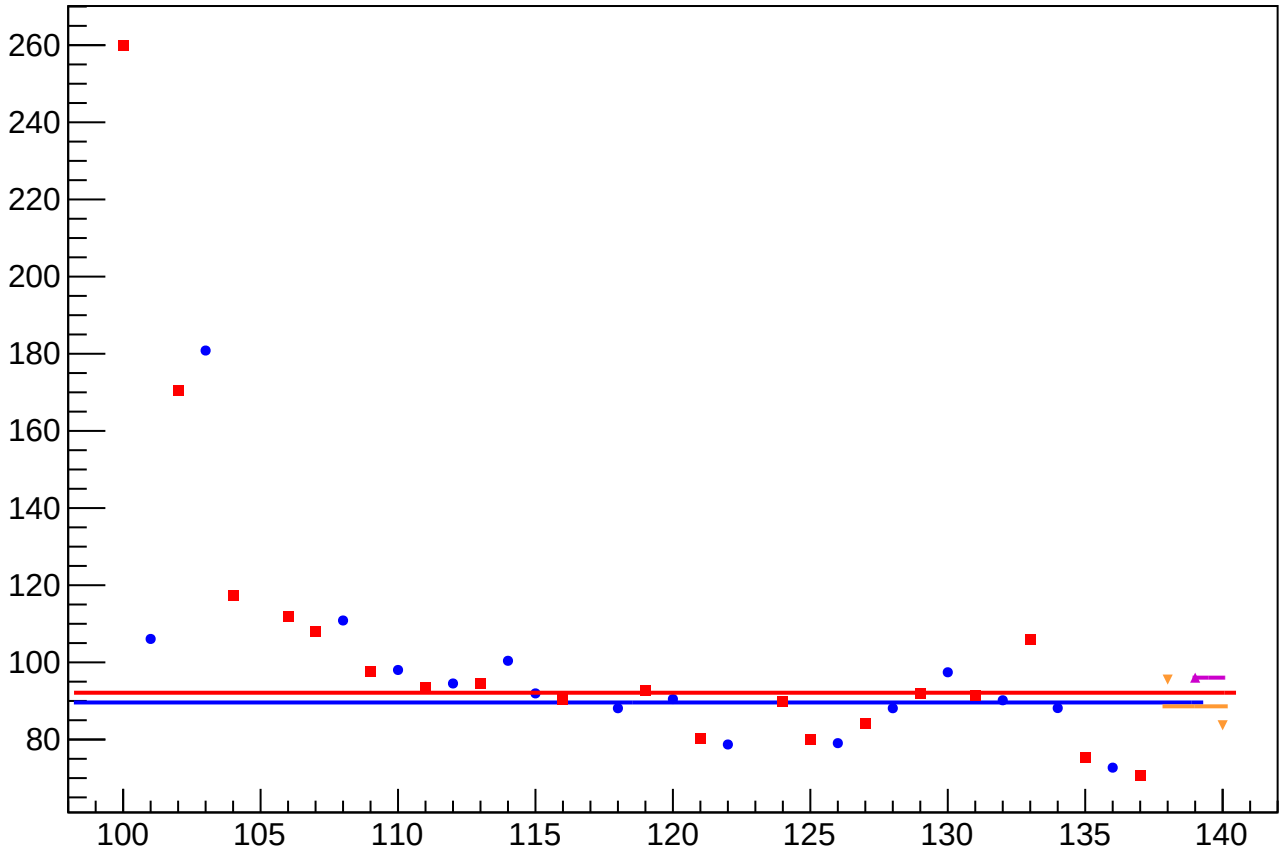
Left: 132.898+/-58.455 χ^2/NDF: 1.3/2

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: -0.349+/-32.582 χ^2/NDF:19.3/16

Out: 90.692+/-31.265 χ^2/NDF:24.8/20

All: 47.049+/-22.559 χ^2/NDF: 48.1/37



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 88.604+/-0.050 χ^2/NDF:13704.9/1

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 96.038+/-0.074 χ^2/NDF:0.0/0

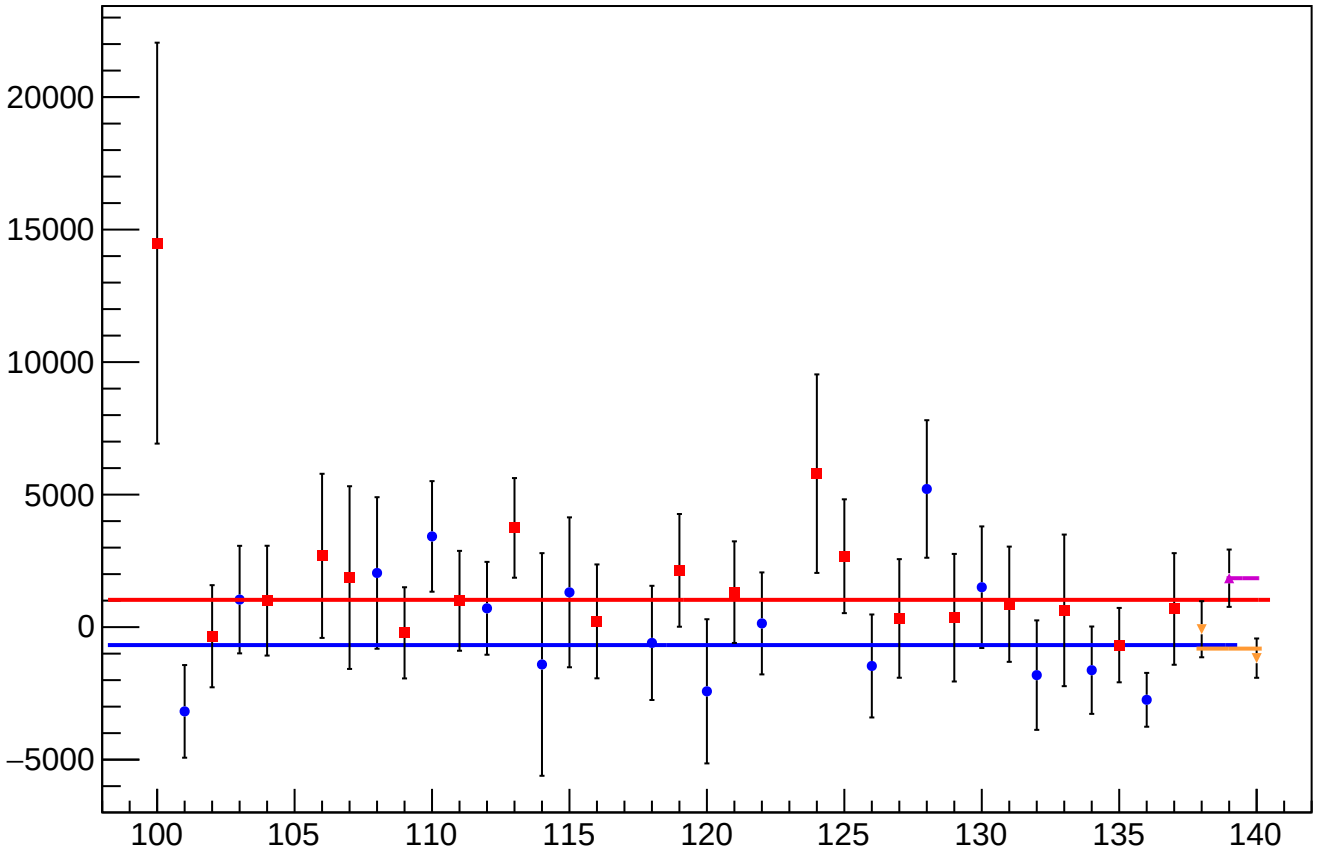
Left: 90.924+/-0.041 χ^2/NDF: 20649.8/2

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 90.227+/-0.023 χ^2/NDF:505213.1/16

Out: 91.436+/-0.022 χ^2/NDF:558033.9/20

All: 90.856+/-0.016 χ^2/NDF: 1064678.3/37



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -810.620+/-607.502 χ^2/NDF:0.7/1

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 1845.786+/-1081.274 χ^2/NDF:0.0/0

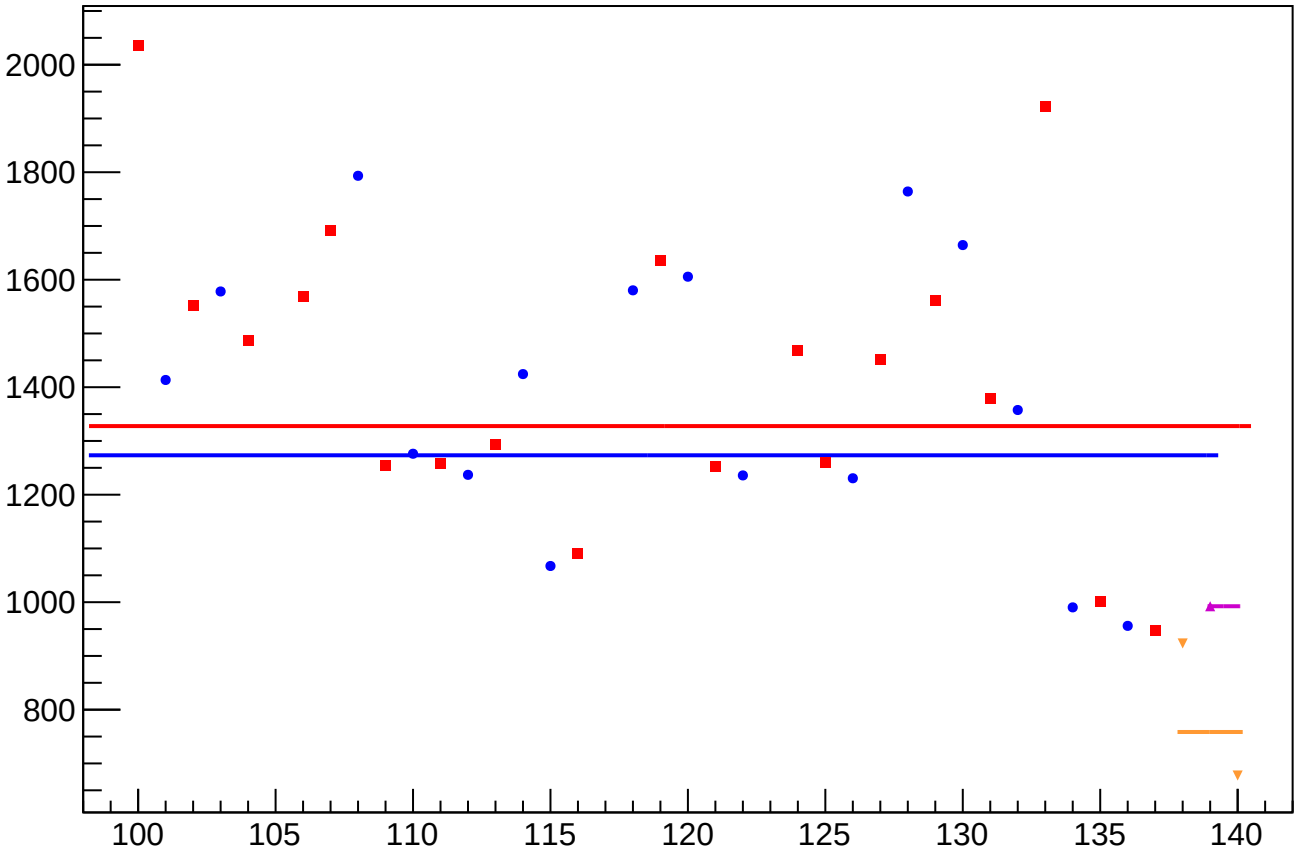
Left: -173.277+/-529.633 χ^2/NDF: 5.3/2

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -252.585+/-443.647 χ^2/NDF:24.8/16

Out: 291.620+/-384.679 χ^2/NDF:17.2/20

All: 58.063+/-290.638 χ^2/NDF: 42.8/37



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 758.505+/-0.430 χ^2/NDF:72308.6/1

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 992.466+/-0.765 χ^2/NDF:0.0/0

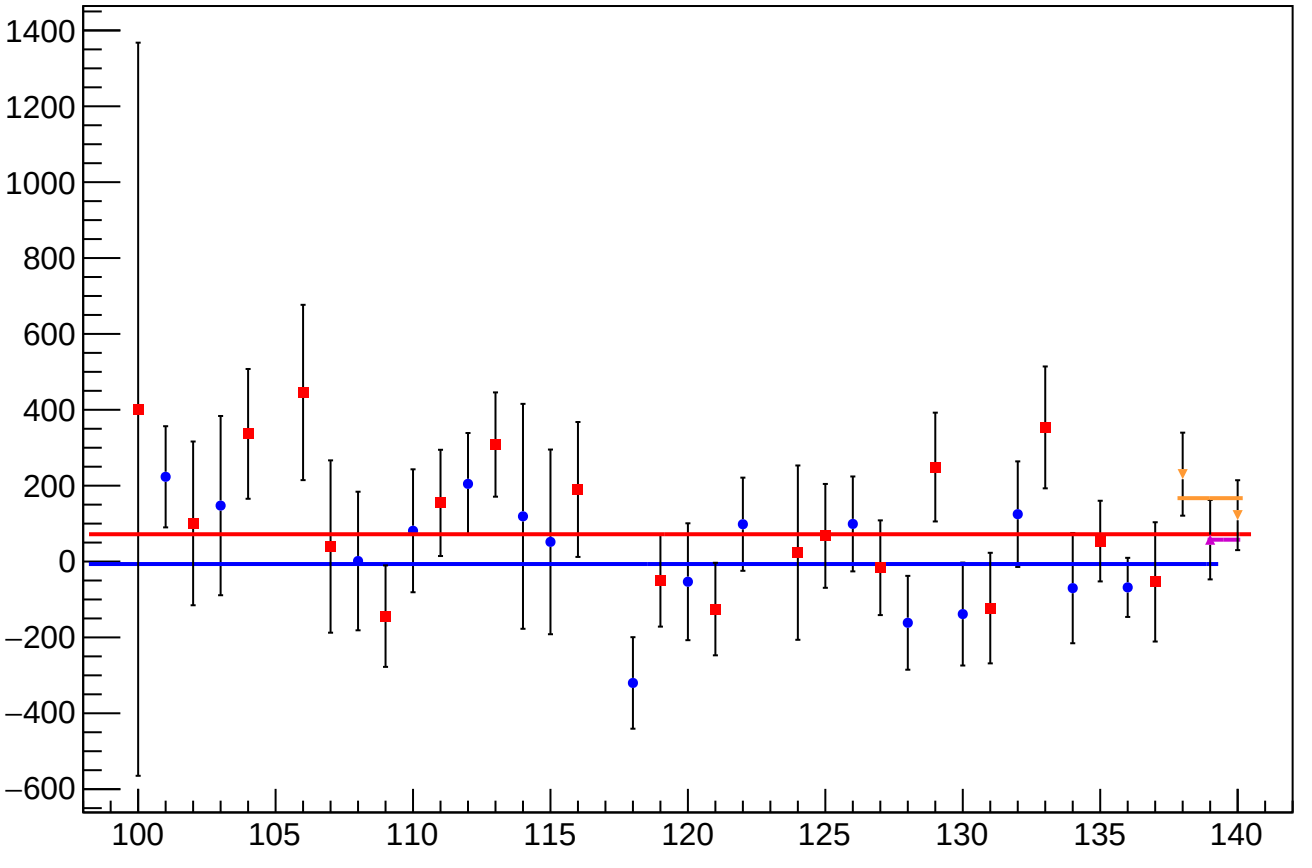
Left: 814.639+/-0.375 χ^2/NDF: 143479.4/2

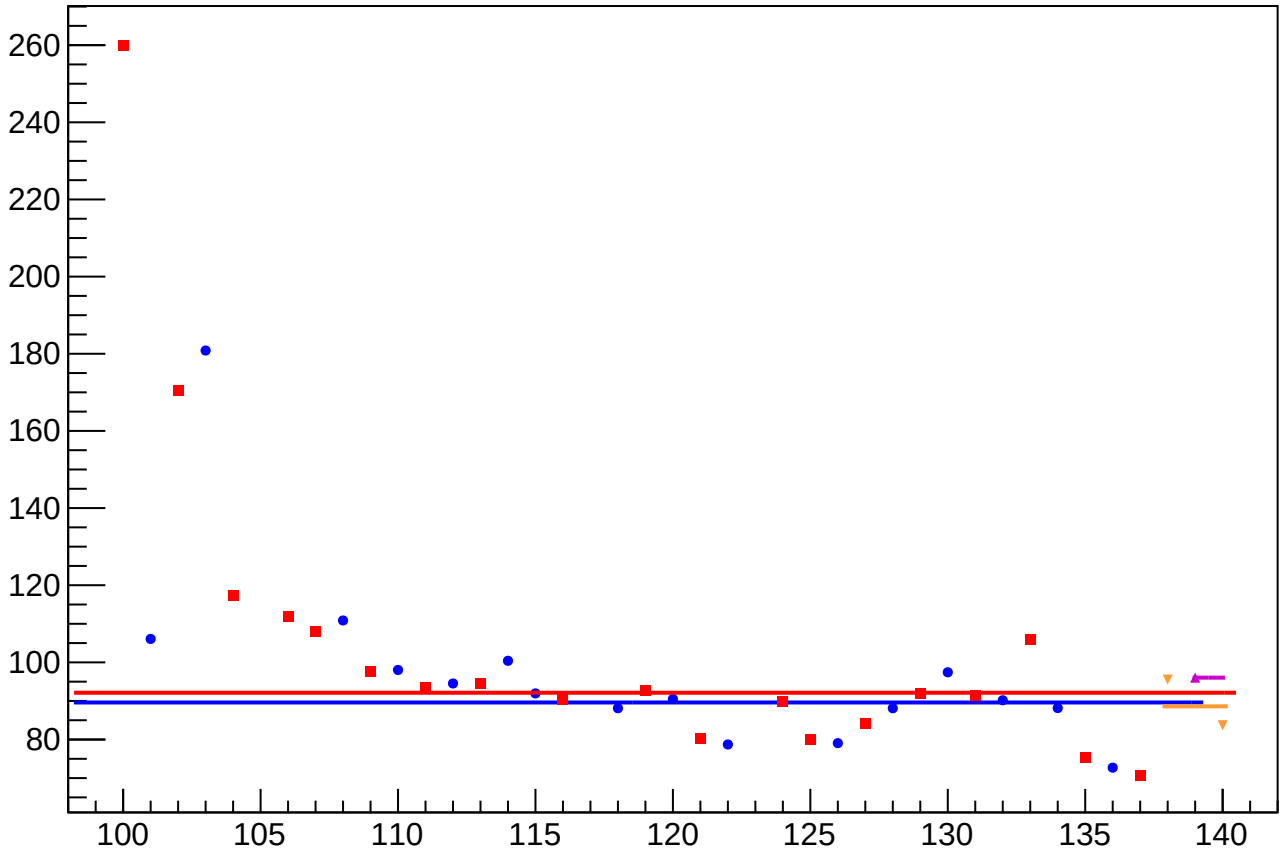
Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 1226.046+/-0.314 χ^2/NDF:709771.4/16

Out: 1099.451+/-0.272 χ^2/NDF:1582391.6/20

All: 1153.782+/-0.206 χ^2/NDF: 2385122.0/37


eigen_cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
0
−200
−400
−600
100
105
110
115
120
125
130
135
140
Right In: -6.568+/-34.286 χ²/NDF: 18.9/15
Left Out: 167.059+/-70.477 χ²/NDF:0.6/1
Right Out: 71.981+/-34.885 χ²/NDF: 22.8/18
Left In: 57.585+/-104.644 χ²/NDF:0.0/0
Left: 132.898+/-58.455 χ²/NDF: 1.3/2
Right: 32.026+/-24.453 χ²/NDF: 44.3/34
In: -0.349+/-32.582 χ²/NDF:19.3/16
Out: 90.692+/-31.265 χ²/NDF:24.8/20
All: 47.049+/-22.559 χ²/NDF: 48.1/37



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 88.604+/-0.050 χ^2/NDF:13704.9/1

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 96.038+/-0.074 χ^2/NDF:0.0/0

Left: 90.924+/-0.041 χ^2/NDF: 20649.8/2

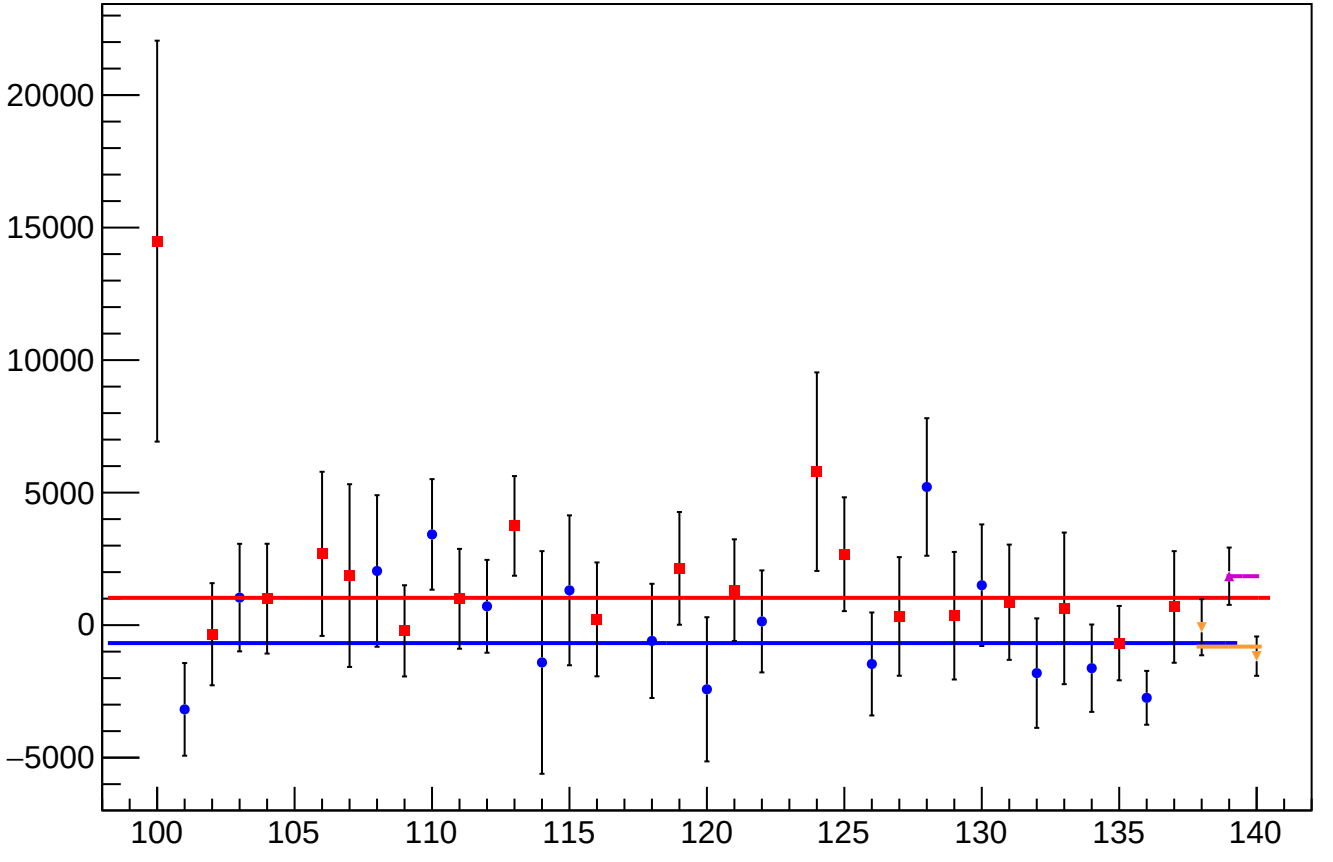
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 90.227+/-0.023 χ^2/NDF:505213.1/16

Out: 91.436+/-0.022 χ^2/NDF:558033.9/20

All: 90.856+/-0.016 χ^2/NDF: 1064678.3/37

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -810.620+/-607.502 χ^2/NDF:0.7/1

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 1845.786+/-1081.274 χ^2/NDF:0.0/0

Left: -173.277+/-529.633 χ^2/NDF: 5.3/2

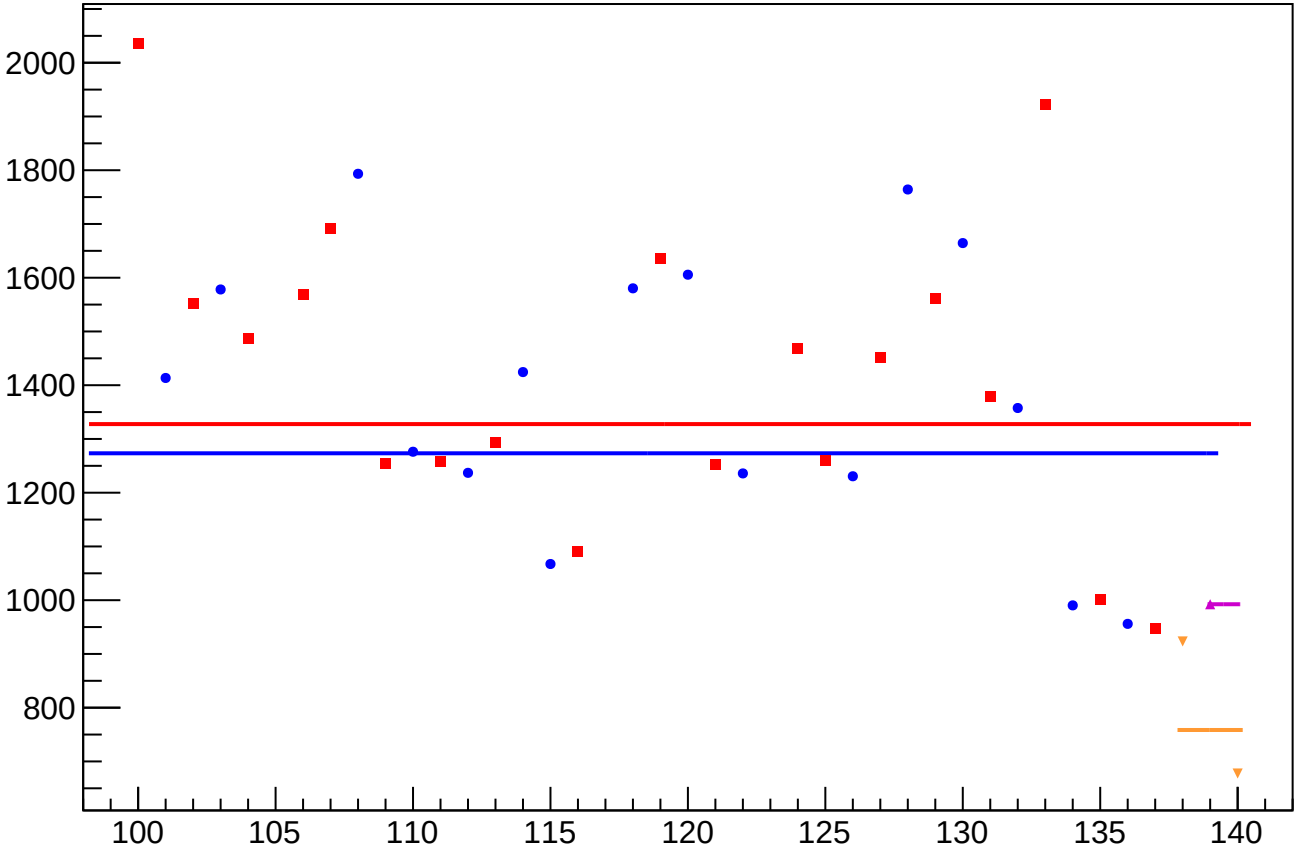
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -252.585+/-443.647 χ^2/NDF:24.8/16

Out: 291.620+/-384.679 χ^2/NDF:17.2/20

All: 58.063+/-290.638 χ^2/NDF: 42.8/37

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: 758.505+/-0.430 χ^2/NDF:72308.6/1

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 992.466+/-0.765 χ^2/NDF:0.0/0

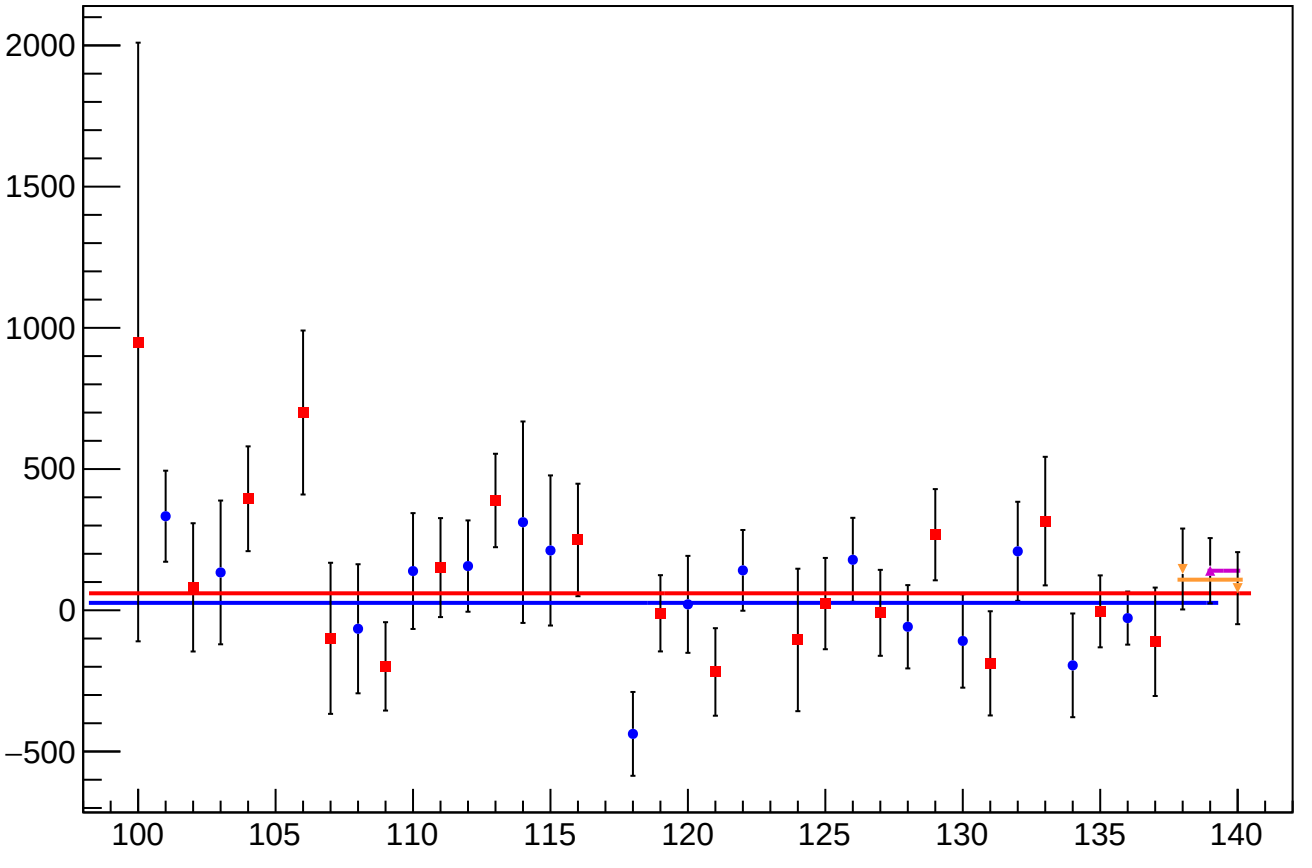
Left: 814.639+/-0.375 χ^2/NDF: 143479.4/2

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 1226.046+/-0.314 χ^2/NDF:709771.4/16

Out: 1099.451+/-0.272 χ^2/NDF:1582391.6/20

All: 1153.782+/-0.206 χ^2/NDF: 2385122.0/37



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 108.338+/-95.259 χ^2/NDF:0.1/1

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 140.060+/-115.575 χ^2/NDF:0.0/0

Left: 121.170+/-73.508 χ^2/NDF: 0.2/2

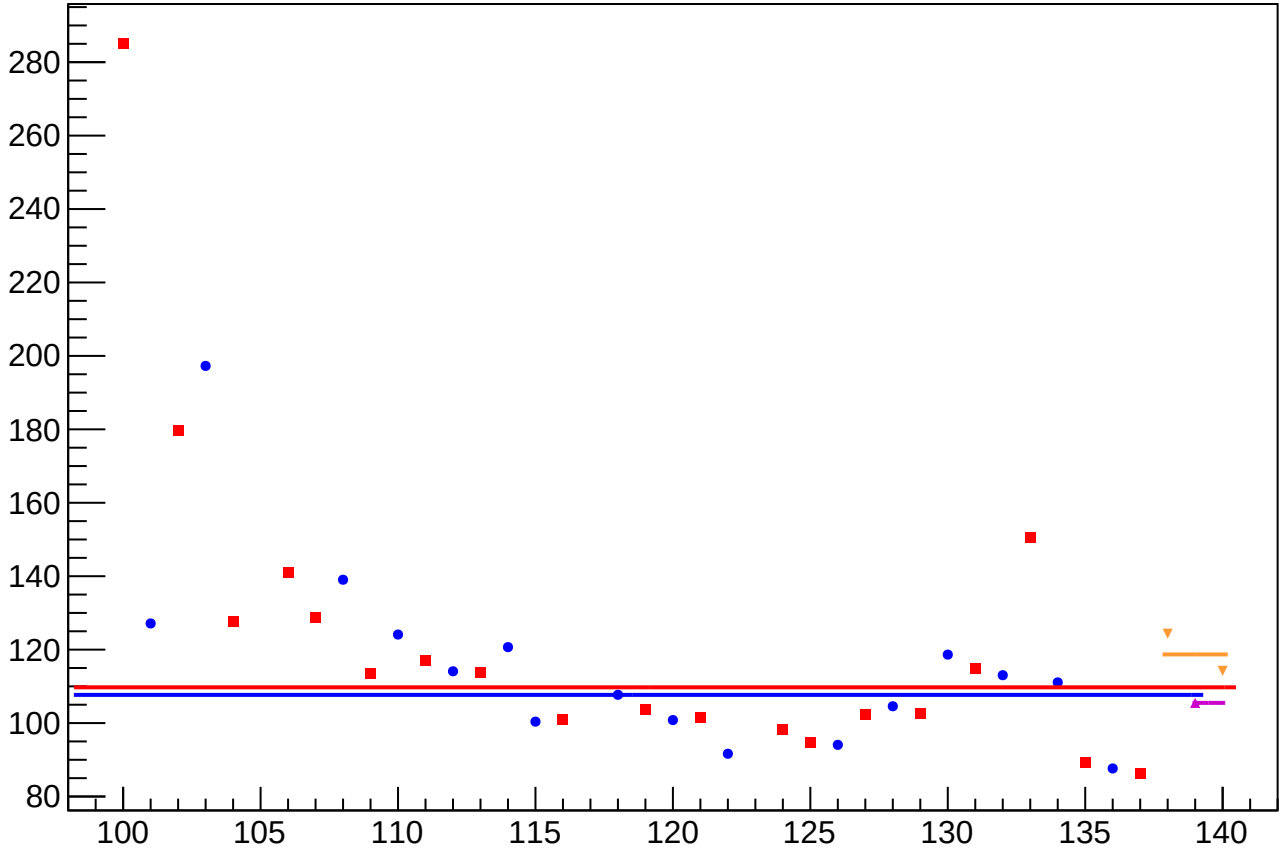
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 39.094+/-38.824 χ^2/NDF:22.2/16

Out: 67.820+/-38.068 χ^2/NDF:27.3/20

All: 53.739+/-27.182 χ^2/NDF: 49.8/37

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 118.695+/-0.067 χ^2/NDF:5555.8/1

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 105.502+/-0.082 χ^2/NDF:0.0/0

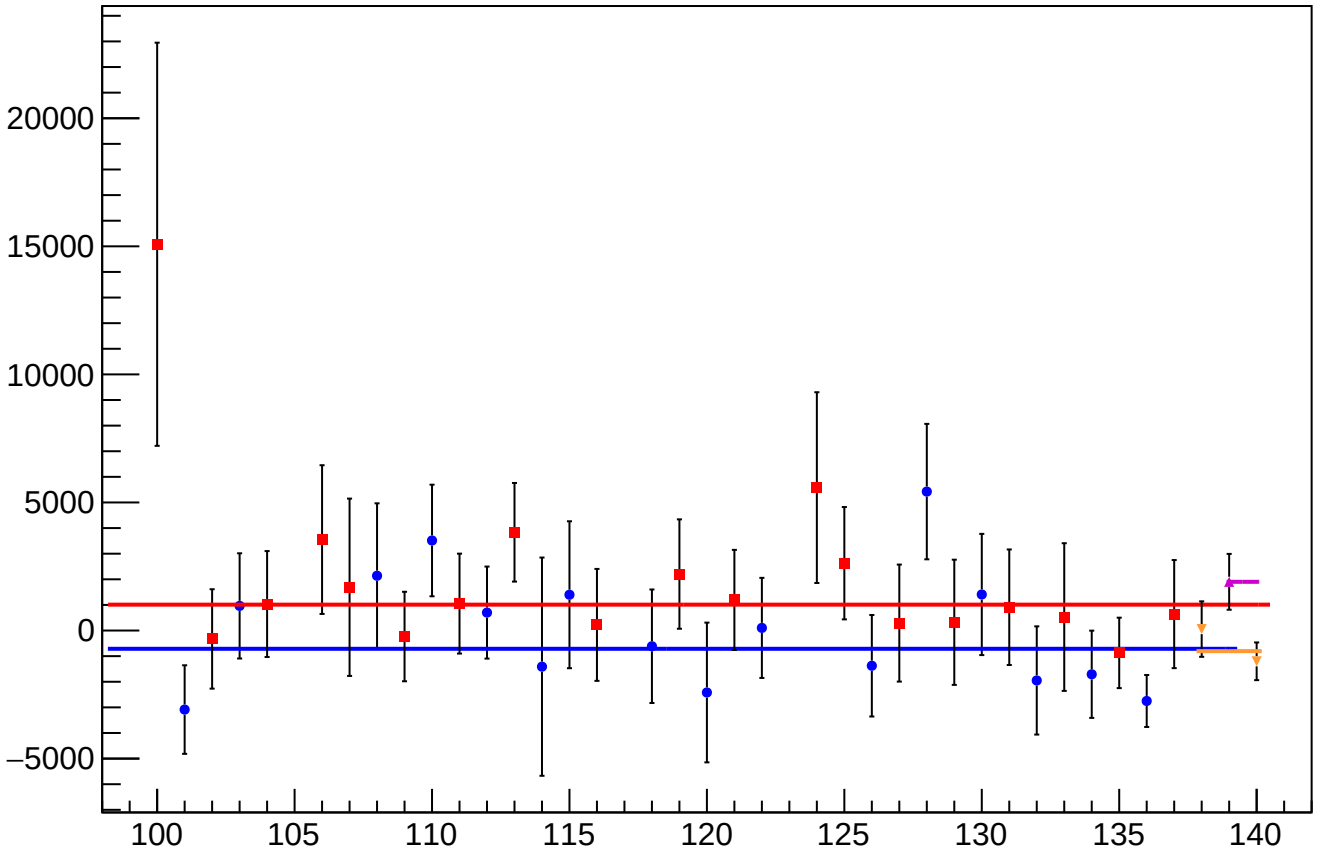
Left: 113.358+/-0.052 χ^2/NDF: 21075.0/2

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 107.434+/-0.027 χ^2/NDF:483755.6/16

Out: 111.170+/-0.027 χ^2/NDF:512197.7/20

All: 109.339+/-0.019 χ^2/NDF: 1005393.4/37



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -804.403+/-608.488 χ^2/NDF:0.9/1

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 1901.998+/-1089.714 χ^2/NDF:0.0/0

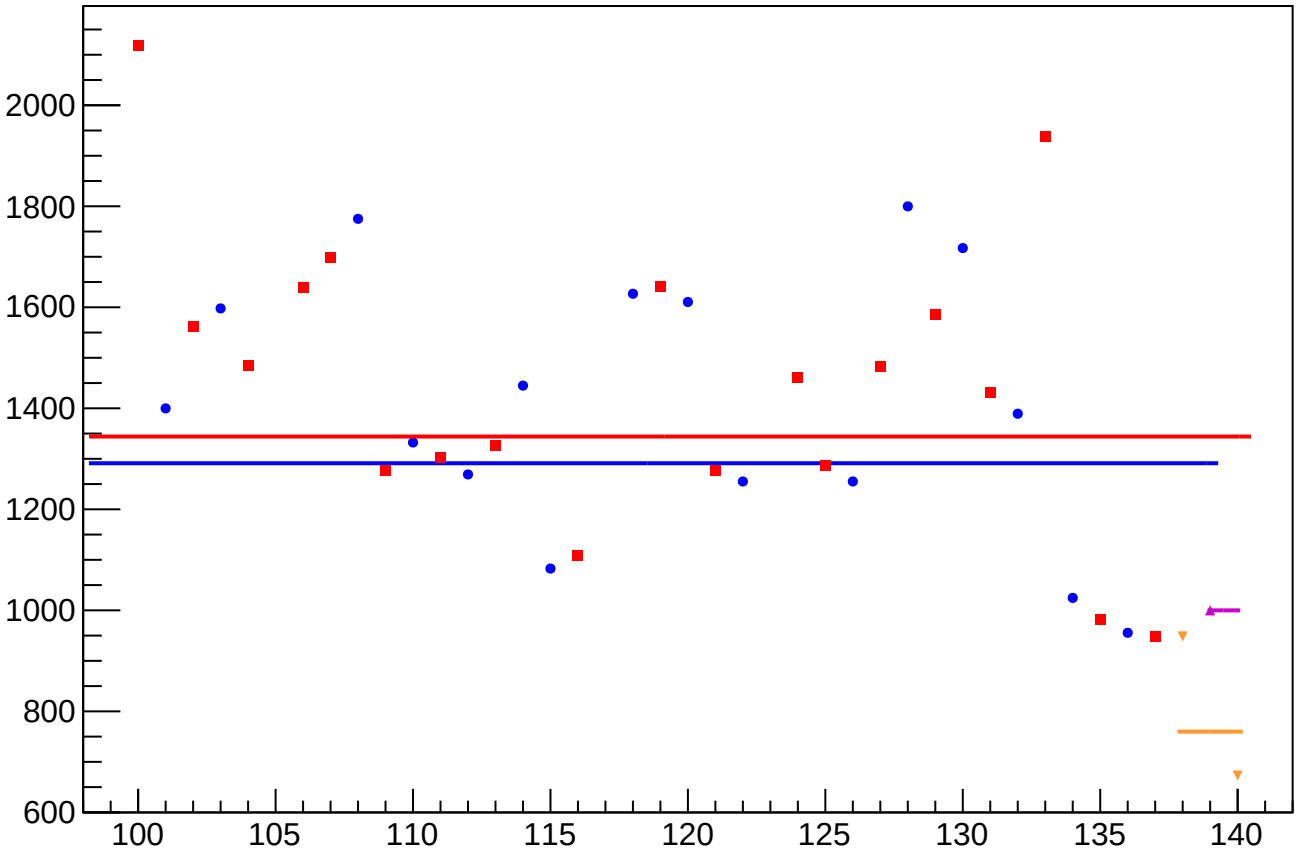
Left: -161.118+/-531.273 χ^2/NDF: 5.6/2

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -268.235+/-449.362 χ^2/NDF:24.9/16

Out: 276.625+/-386.943 χ^2/NDF:18.0/20

All: 44.636+/-293.216 χ^2/NDF: 43.7/37



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 759.857+/-0.430 χ^2/NDF:88513.3/1

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 999.957+/-0.771 χ^2/NDF:0.0/0

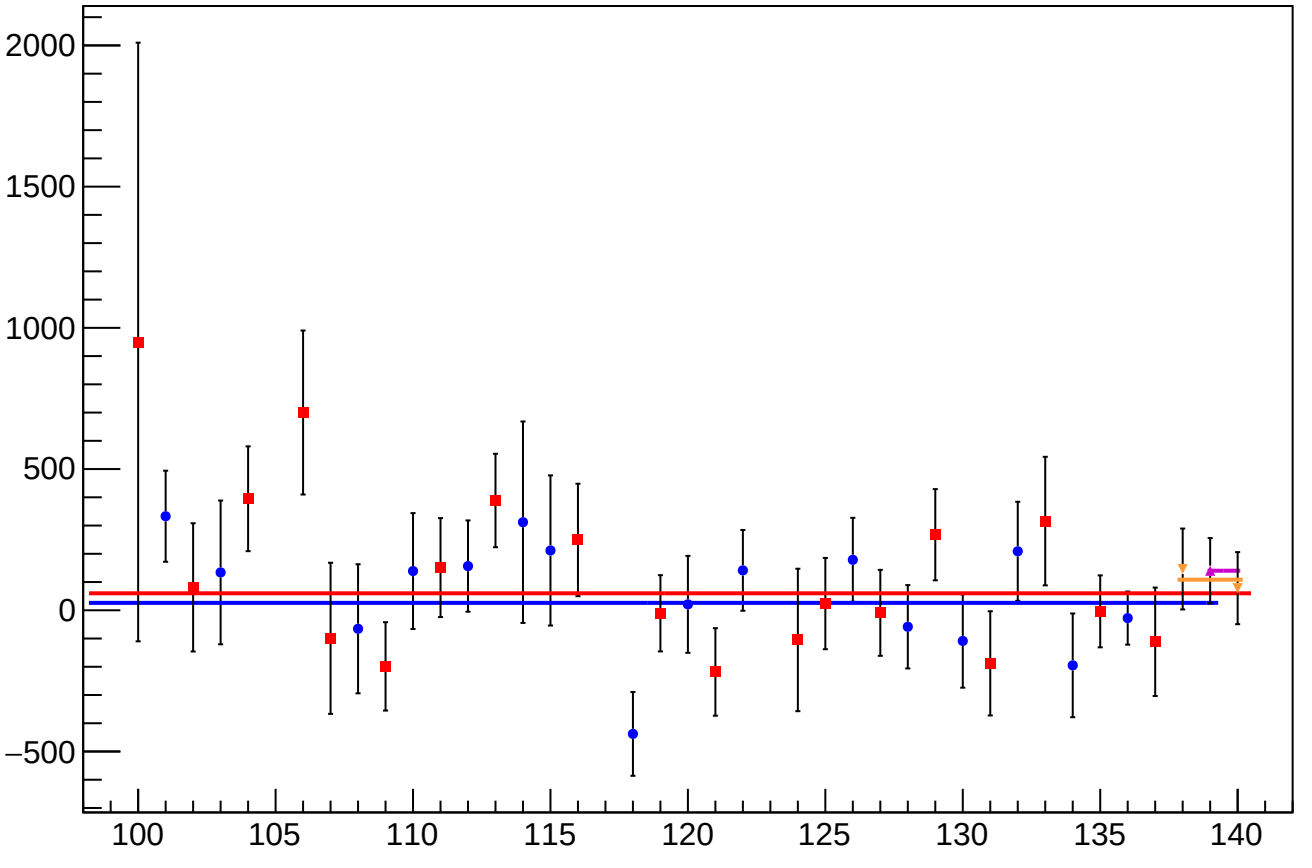
Left: 816.926+/-0.376 χ^2/NDF: 162528.6/2

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 1241.694+/-0.318 χ^2/NDF:729484.5/16

Out: 1107.855+/-0.274 χ^2/NDF:1677747.0/20

All: 1164.841+/-0.207 χ^2/NDF: 2509110.6/37



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 108.338+/-95.259 χ^2/NDF:0.1/1

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 140.053+/-115.575 χ^2/NDF:0.0/0

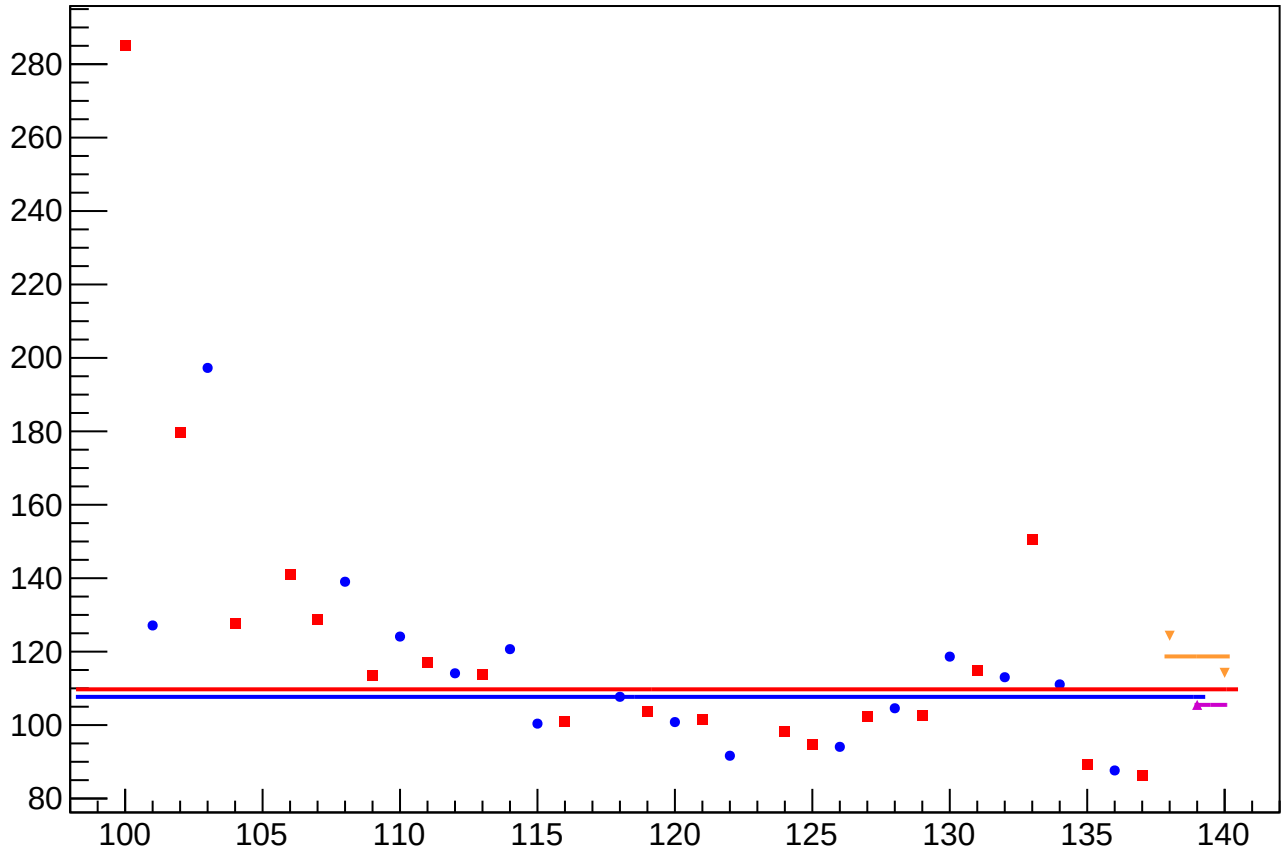
Left: 121.168+/-73.508 χ^2/NDF: 0.2/2

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 39.094+/-38.824 χ^2/NDF:22.2/16

Out: 67.818+/-38.068 χ^2/NDF:27.3/20

All: 53.739+/-27.181 χ^2/NDF: 49.8/37



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 118.695+/-0.067 χ^2/NDF:5554.5/1

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 105.502+/-0.082 χ^2/NDF:0.0/0

Left: 113.358+/-0.052 χ^2/NDF: 21074.0/2

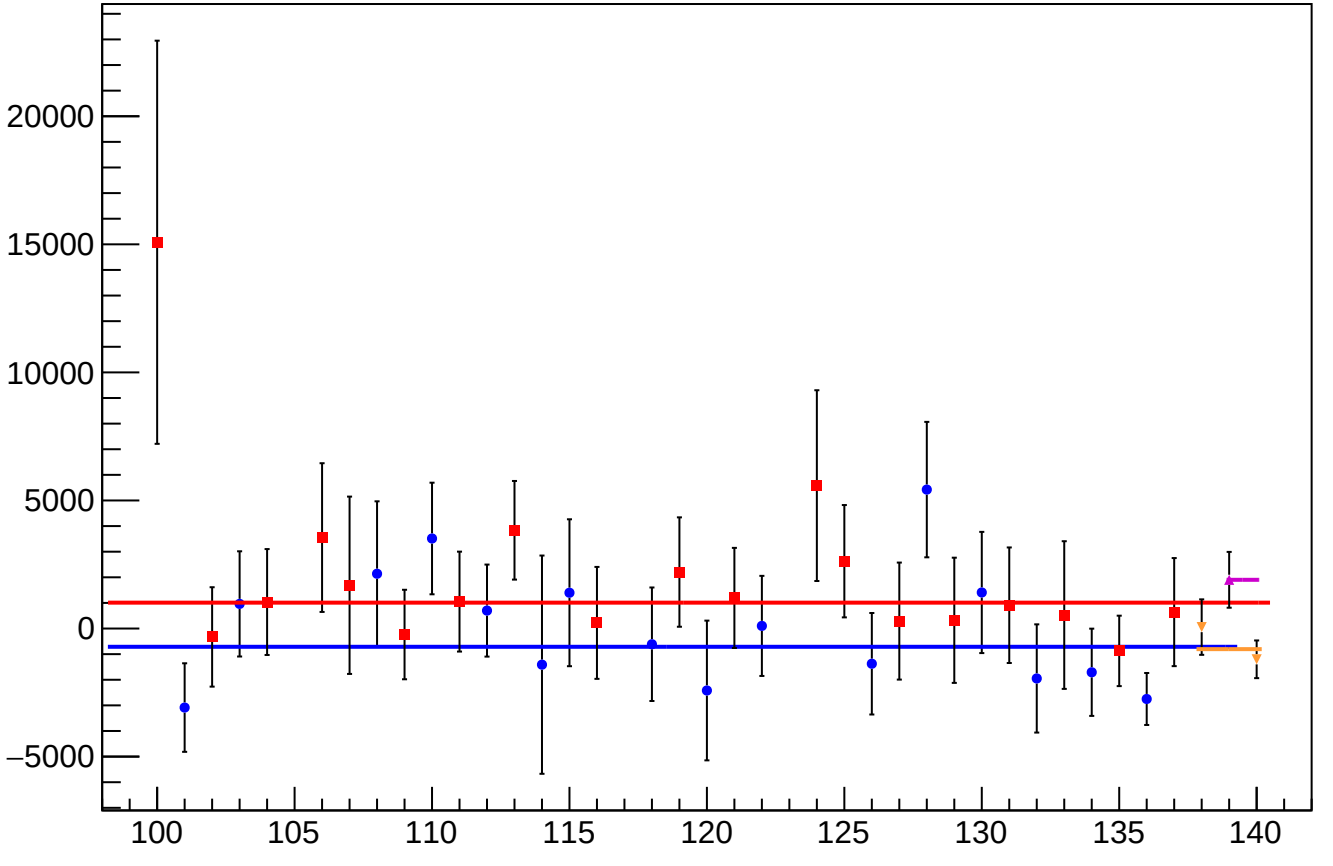
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 107.433+/-0.027 χ^2/NDF:483742.0/16

Out: 111.169+/-0.027 χ^2/NDF:512195.3/20

All: 109.338+/-0.019 χ^2/NDF: 1005378.0/37

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -804.403+/-608.486 χ^2/NDF:0.9/1

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 1901.996+/-1089.710 χ^2/NDF:0.0/0

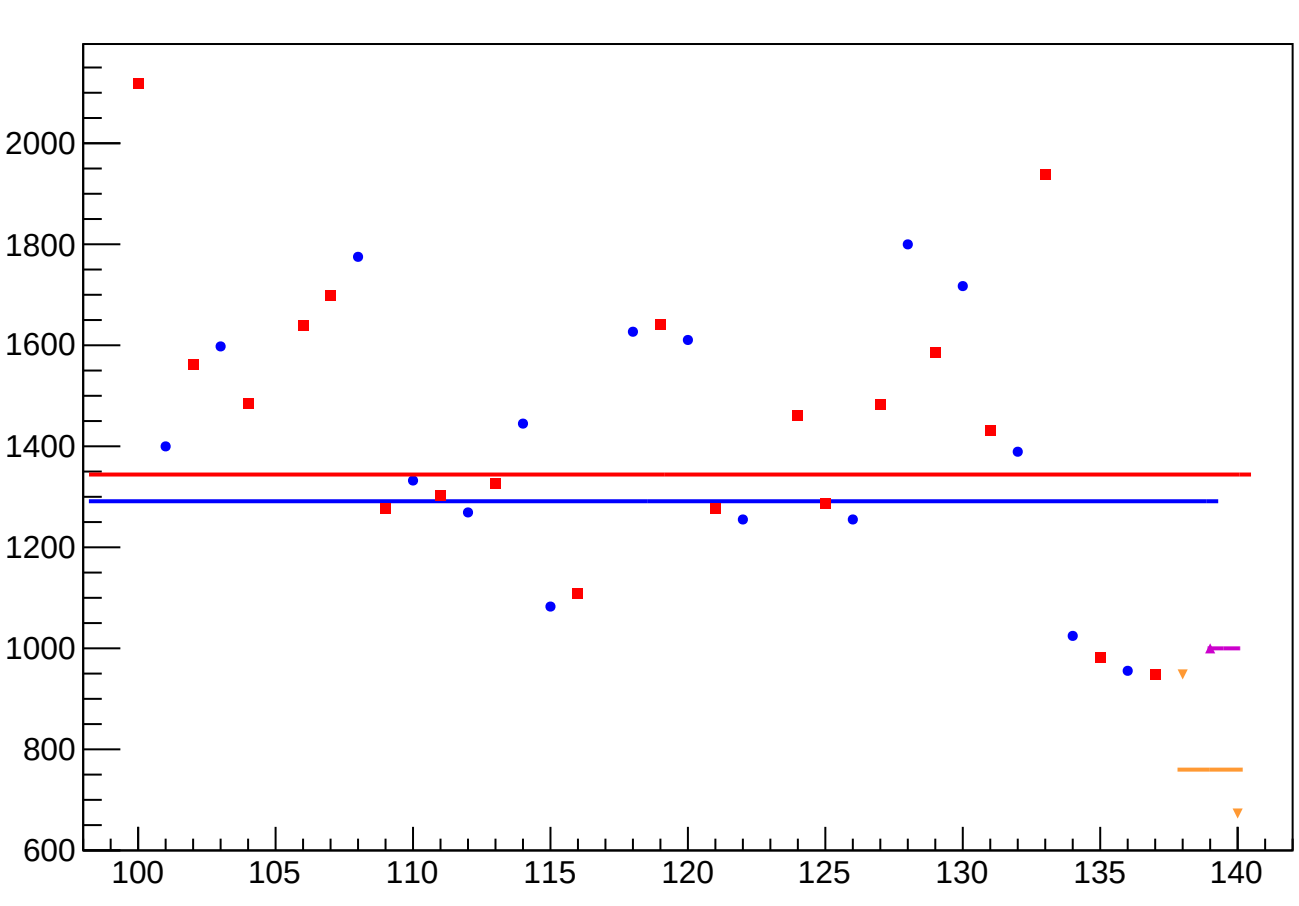
Left: -161.119+/-531.271 χ^2/NDF: 5.6/2

Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -268.230+/-449.361 χ^2/NDF:24.9/16

Out: 276.623+/-386.941 χ^2/NDF:18.0/20

All: 44.638+/-293.215 χ^2/NDF: 43.7/37



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 759.855+/-0.430 χ^2/NDF:88512.2/1

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 999.954+/-0.771 χ^2/NDF:0.0/0

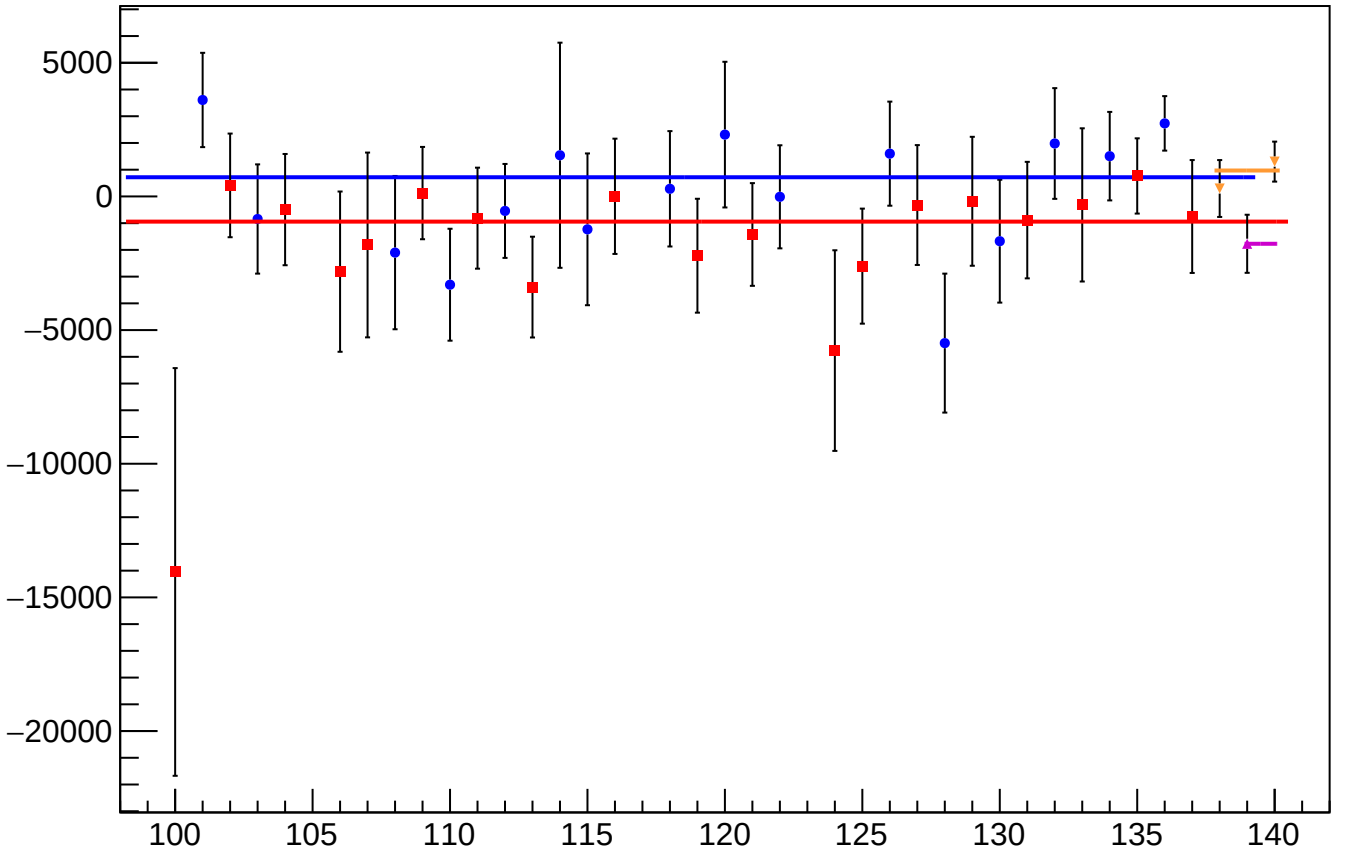
Left: 816.924+/-0.376 χ^2/NDF: 162527.4/2

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 1241.691+/-0.318 χ^2/NDF:729483.4/16

Out: 1107.852+/-0.274 χ^2/NDF:1677749.3/20

All: 1164.837+/-0.207 χ^2/NDF: 2509112.4/37



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 969.552+/-611.855 χ^2/NDF:0.6/1

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -1771.537+/-1086.417 χ^2/NDF:0.0/0

Left: 309.493+/-533.122 χ^2/NDF: 5.4/2

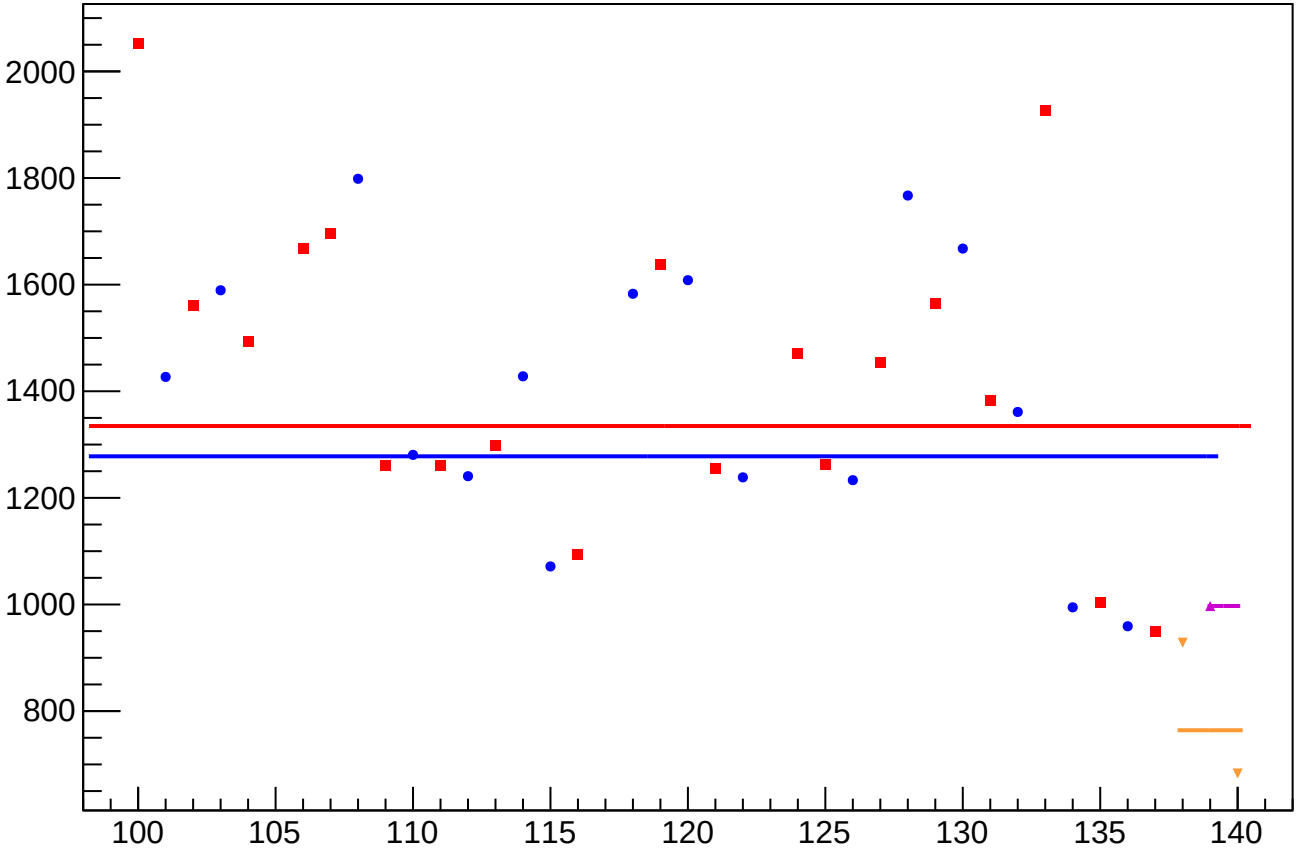
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 299.370+/-445.335 χ^2/NDF:25.3/16

Out: -180.370+/-386.261 χ^2/NDF:17.1/20

All: 25.592+/-291.794 χ^2/NDF: 43.1/37

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 764.089+/-0.433 χ^2/NDF:71210.9/1

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 997.205+/-0.768 χ^2/NDF:0.0/0

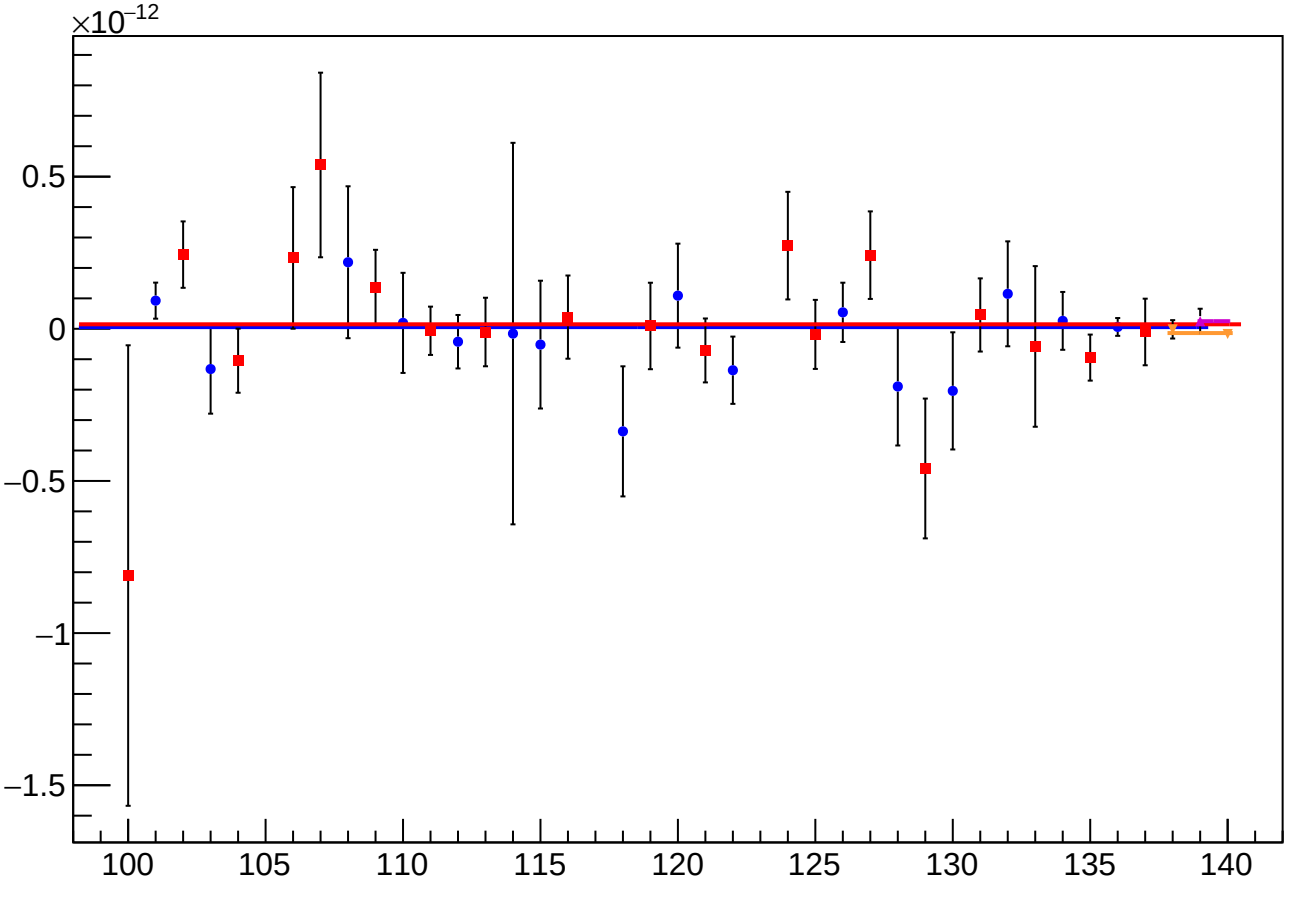
Left: 820.224+/-0.377 χ^2/NDF: 141120.1/2

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 1230.801+/-0.315 χ^2/NDF:708804.0/16

Out: 1107.338+/-0.273 χ^2/NDF:1589606.6/20

All: 1160.343+/-0.206 χ^2/NDF: 2386135.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

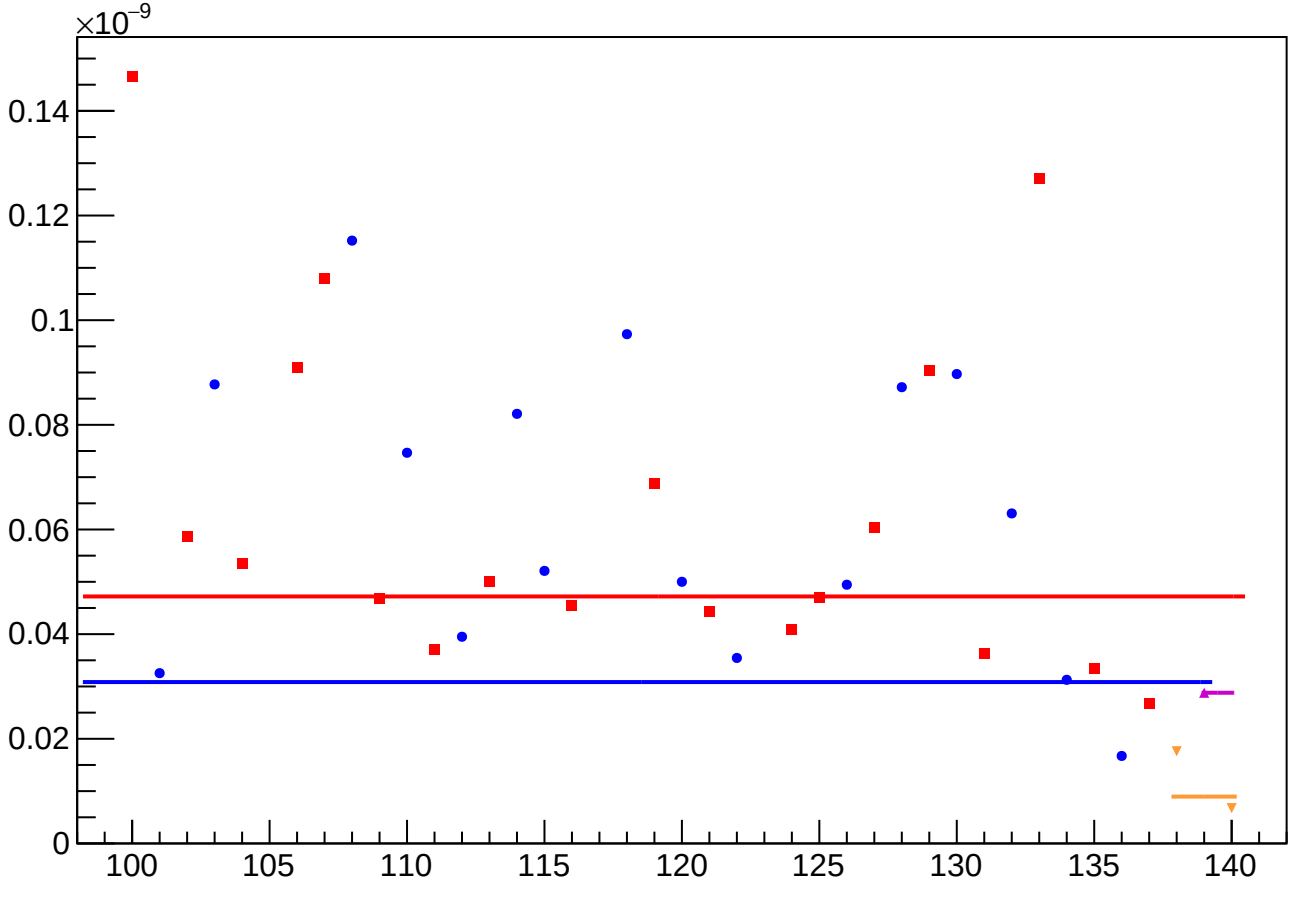
Left: -0.000+/-0.000 χ^2/NDF: 1.0/2

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:11.8/16

Out: -0.000+/-0.000 χ^2/NDF:24.8/20

All: -0.000+/-0.000 χ^2/NDF: 37.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:206280.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 630565.4/2

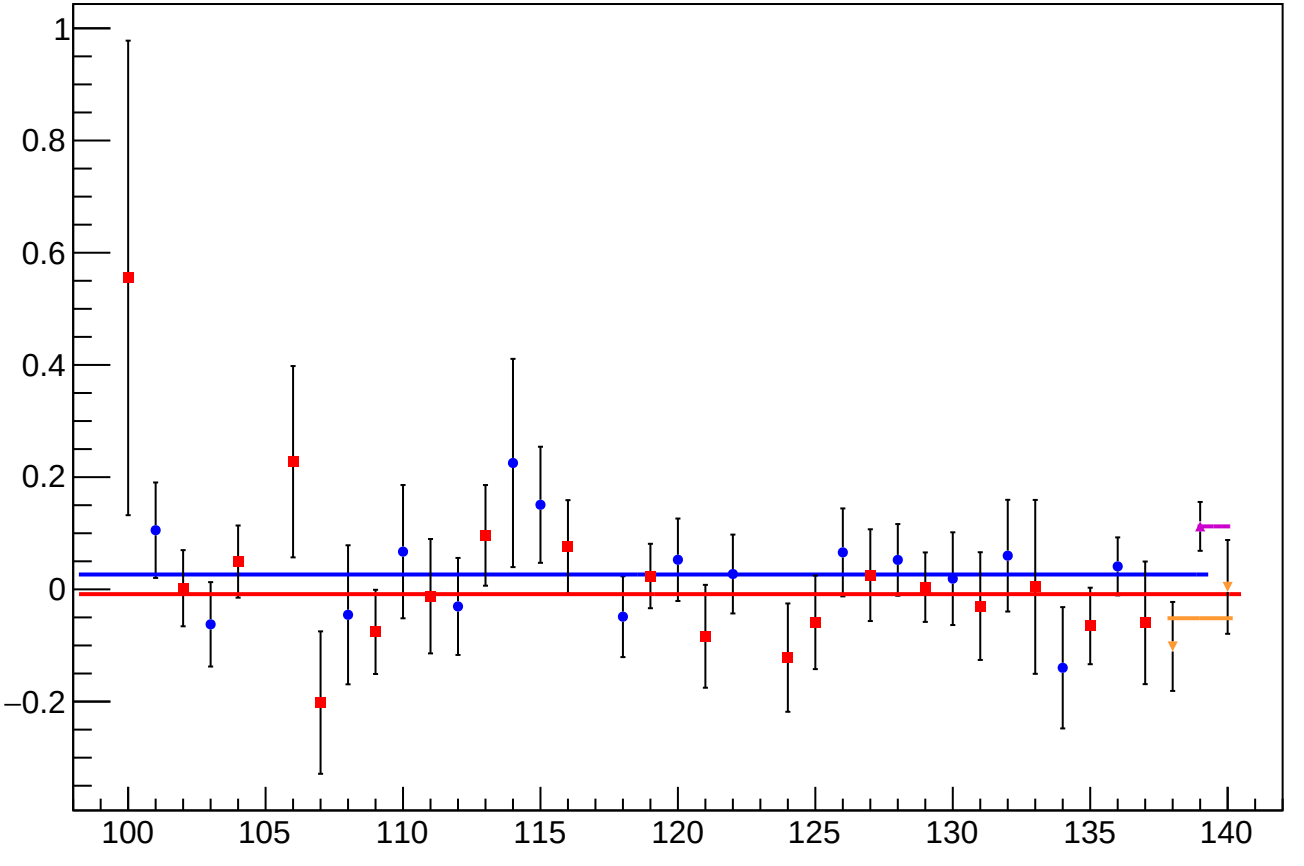
Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:1916781.4/16

Out: 0.000+/-0.000 χ^2/NDF:3843385.7/20

All: 0.000+/-0.000 χ^2/NDF: 6566929.8/37

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.051+/-0.058 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.112+/-0.044 χ^2/NDF:0.0/0

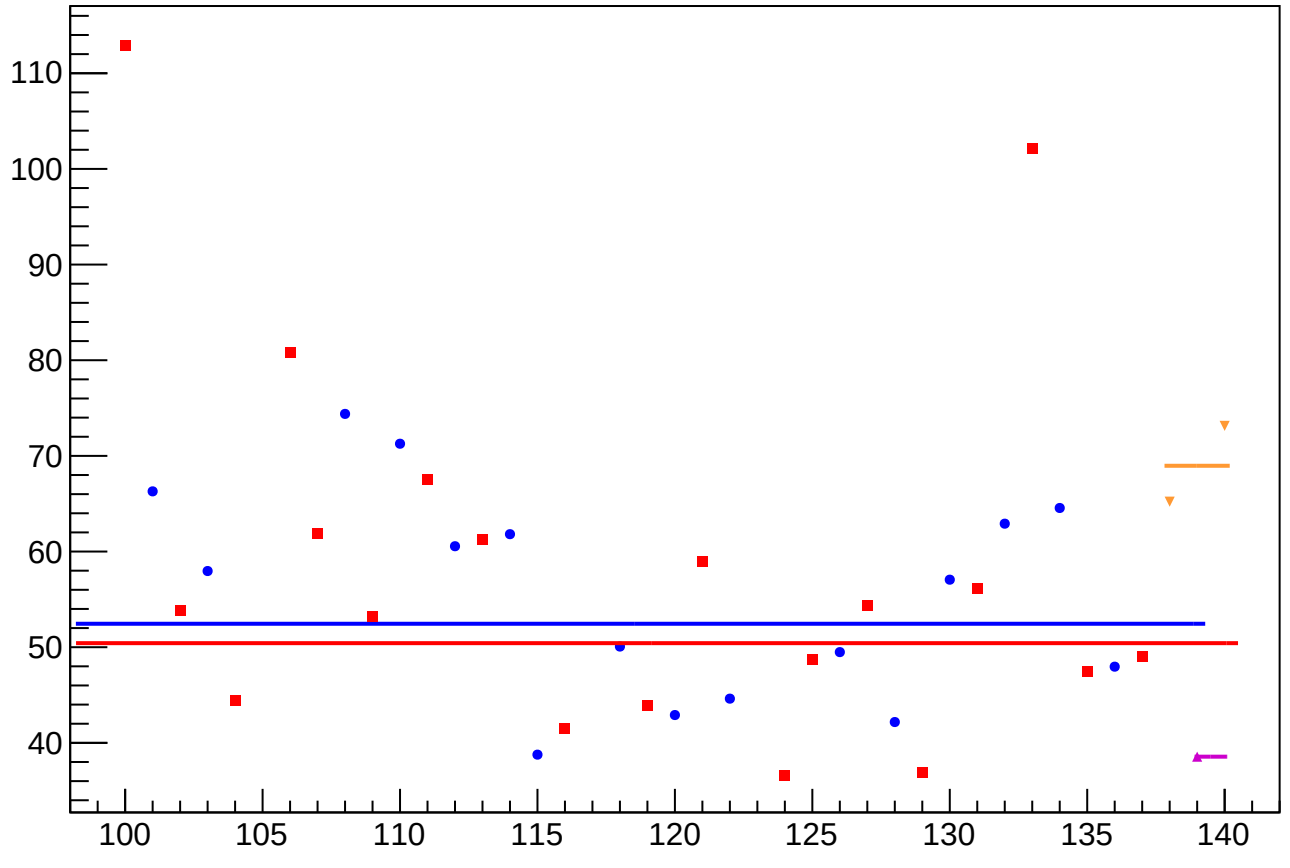
Left: 0.053+/-0.035 χ^2/NDF: 6.0/2

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.042+/-0.018 χ^2/NDF:13.1/16

Out: -0.013+/-0.018 χ^2/NDF:15.3/20

All: 0.014+/-0.013 χ^2/NDF: 32.8/37



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 68.966+/-0.041 χ^2/NDF:9460.5/1

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 38.556+/-0.031 χ^2/NDF:0.0/0

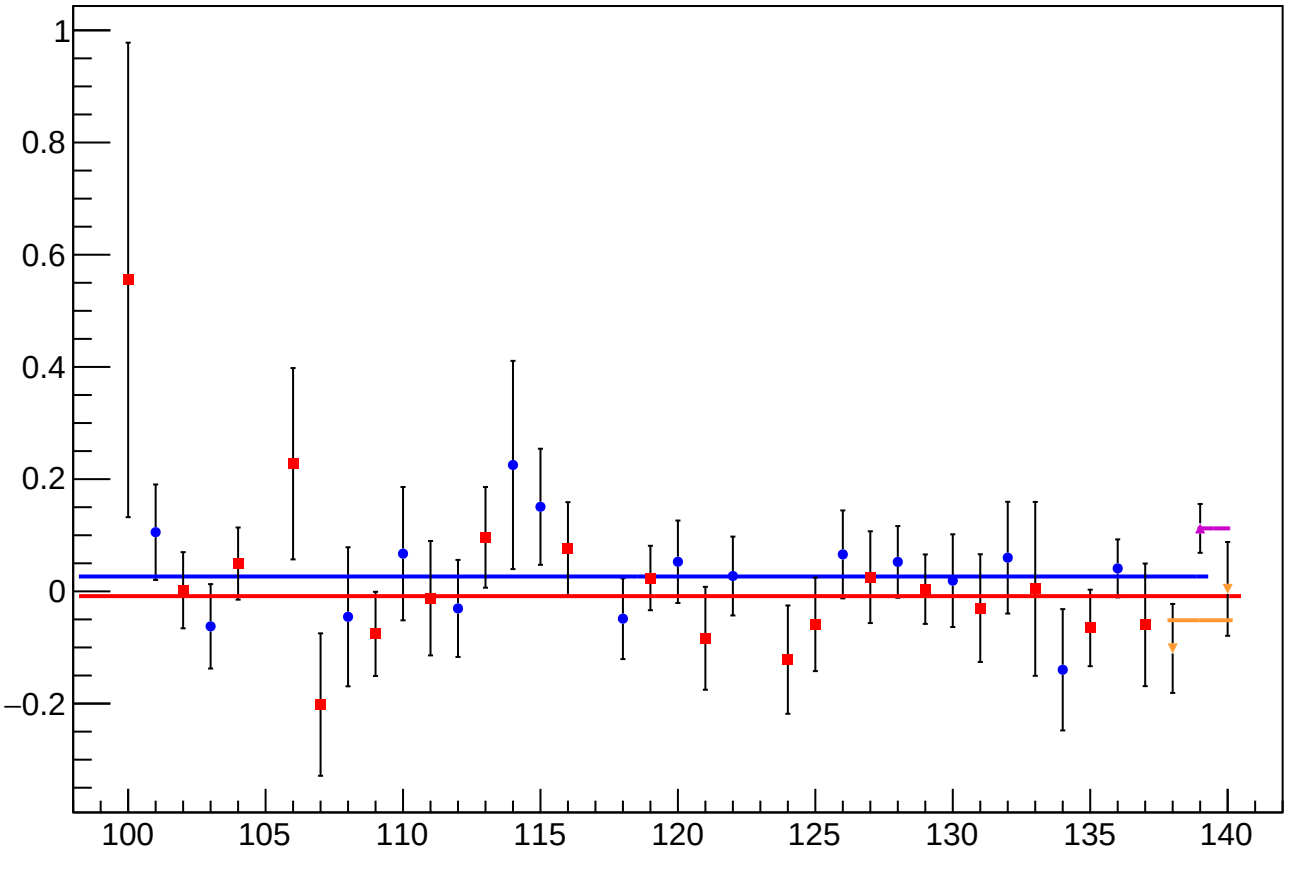
Left: 49.633+/-0.025 χ^2/NDF: 364686.3/2

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 49.951+/-0.013 χ^2/NDF:584972.8/16

Out: 52.330+/-0.013 χ^2/NDF:872603.9/20

All: 51.142+/-0.009 χ^2/NDF: 1474183.2/37



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.051+/-0.058 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.112+/-0.044 χ^2/NDF:0.0/0

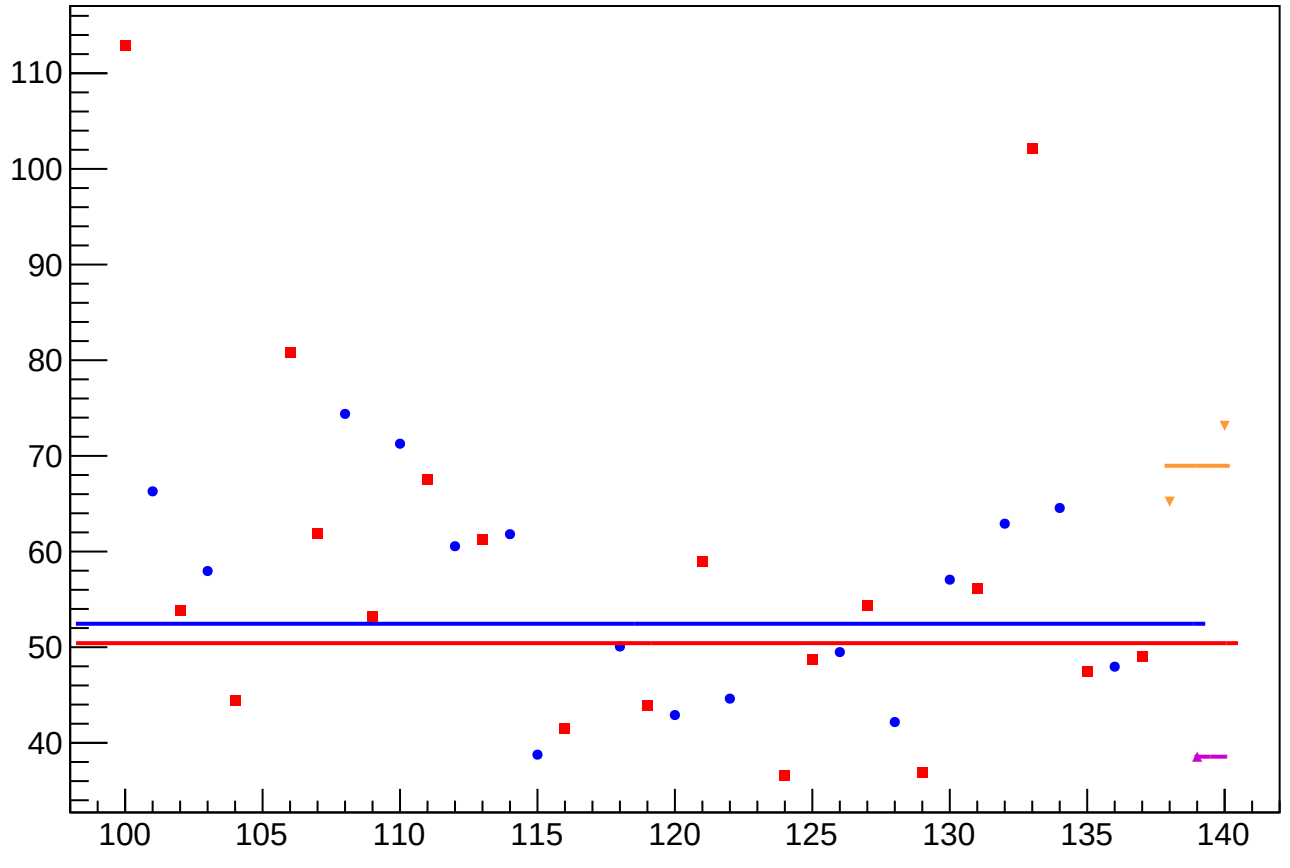
Left: 0.053+/-0.035 χ^2/NDF: 6.0/2

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.042+/-0.018 χ^2/NDF:13.1/16

Out: -0.013+/-0.018 χ^2/NDF:15.3/20

All: 0.014+/-0.013 χ^2/NDF: 32.8/37



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 68.966+/-0.041 χ^2/NDF:9460.5/1

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 38.556+/-0.031 χ^2/NDF:0.0/0

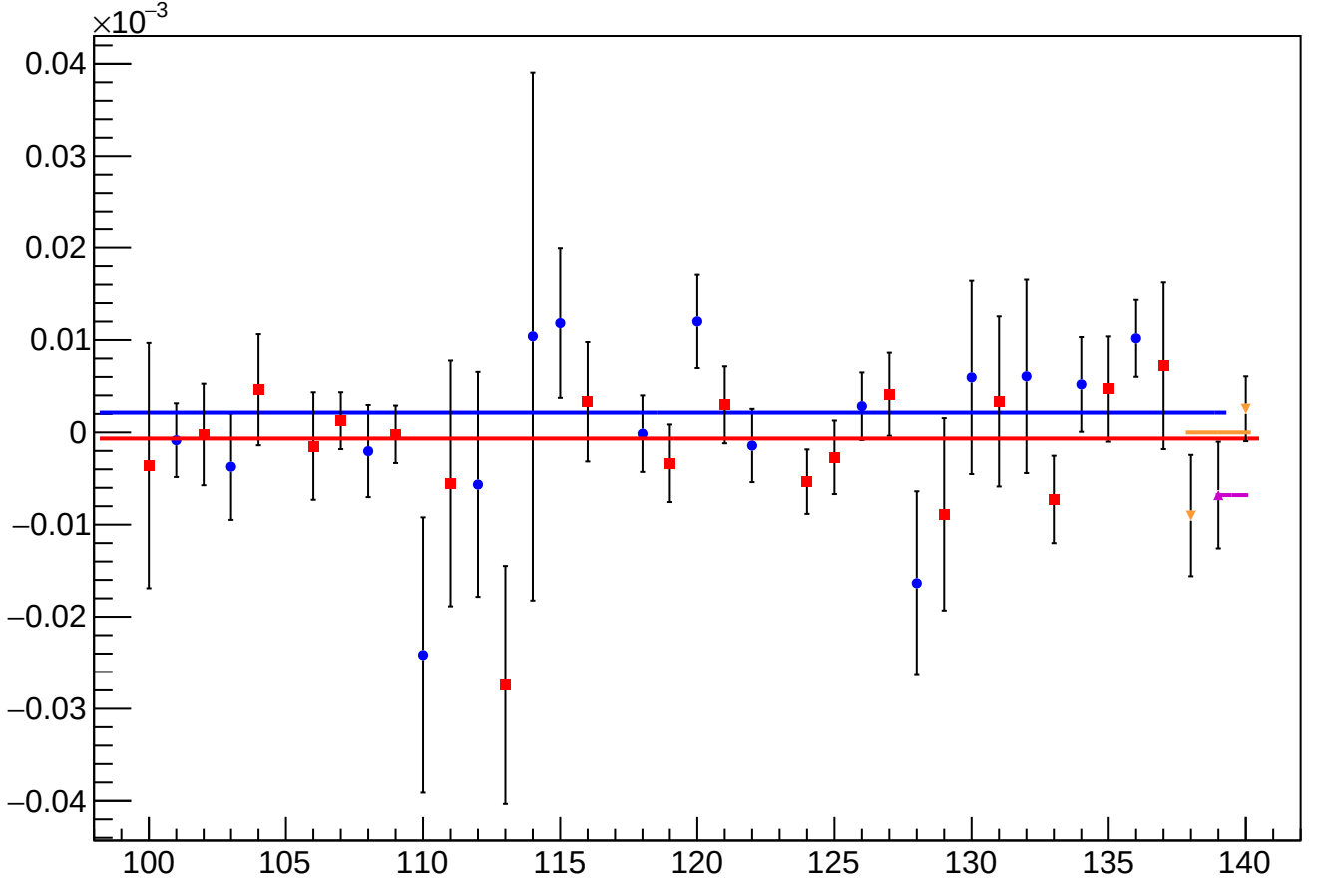
Left: 49.633+/-0.025 χ^2/NDF: 364686.3/2

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 49.951+/-0.013 χ^2/NDF:584972.8/16

Out: 52.330+/-0.013 χ^2/NDF:872603.9/20

All: 51.142+/-0.009 χ^2/NDF: 1474183.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.000+/-0.000 χ^2/NDF: 3.5/2

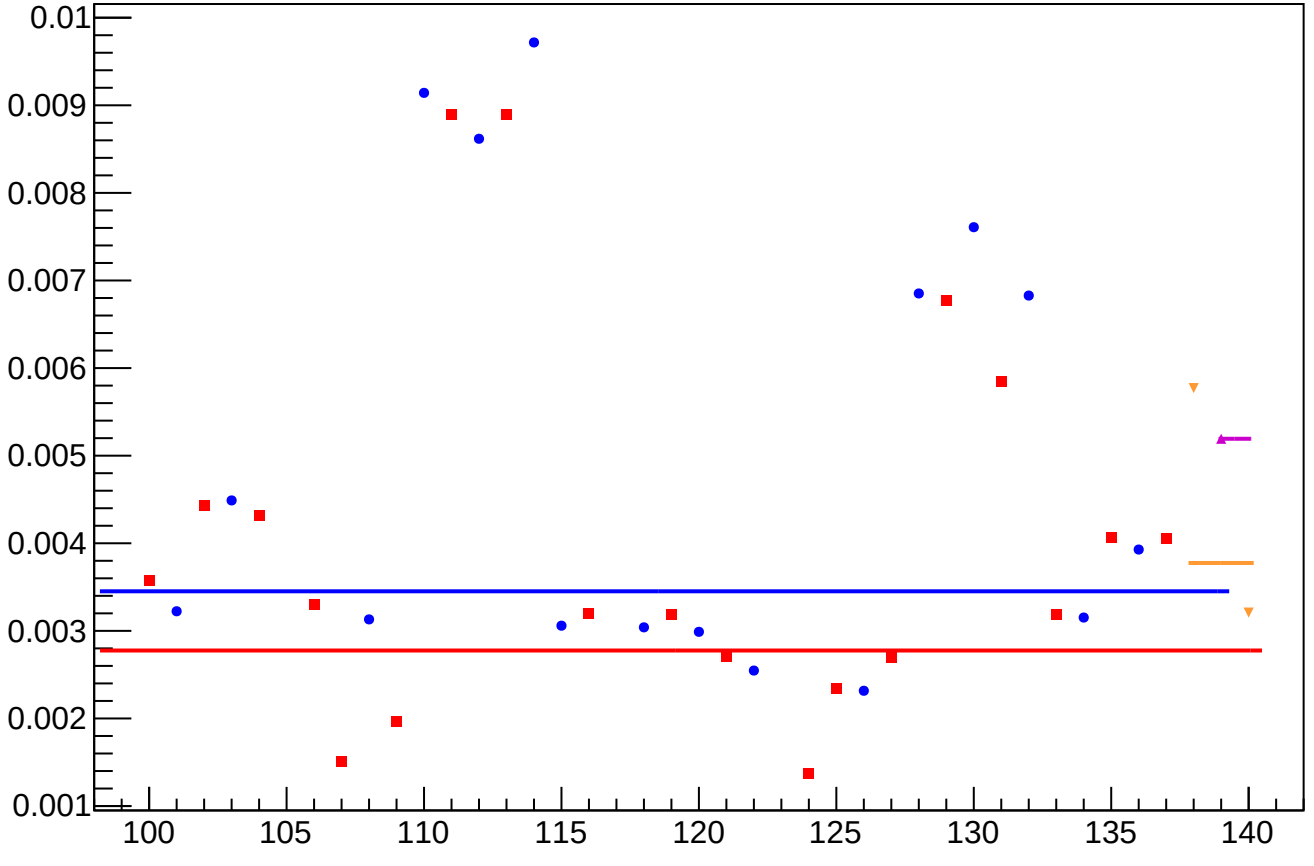
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.3/16

Out: -0.000+/-0.000 χ^2/NDF:17.3/20

All: 0.000+/-0.000 χ^2/NDF: 41.3/37

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:236024.4/1

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.005+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 329395.0/2

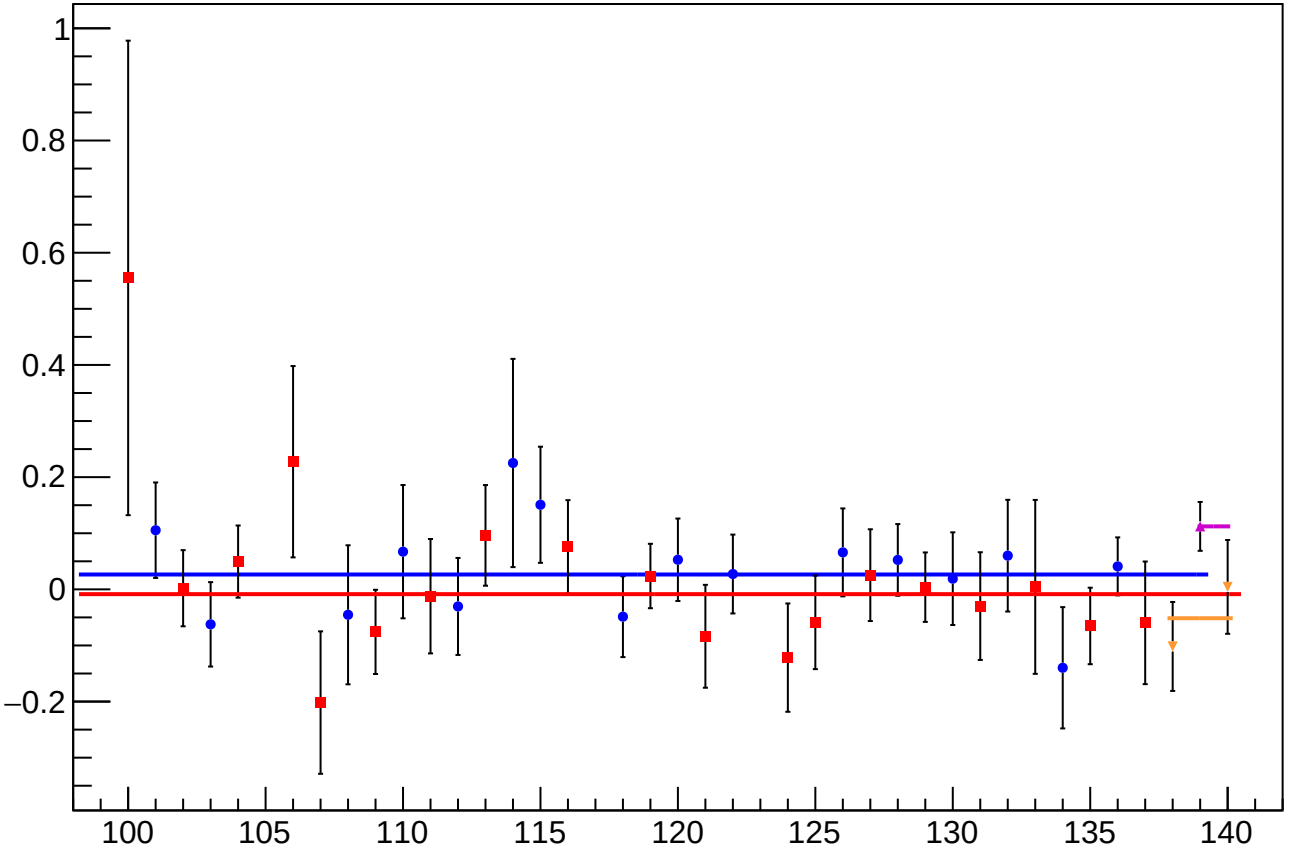
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.004+/-0.000 χ^2/NDF:2122366.1/16

Out: 0.003+/-0.000 χ^2/NDF:3154148.5/20

All: 0.003+/-0.000 χ^2/NDF: 5559993.7/37

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.051+/-0.058 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.112+/-0.044 χ^2/NDF:0.0/0

Left: 0.053+/-0.035 χ^2/NDF: 6.0/2

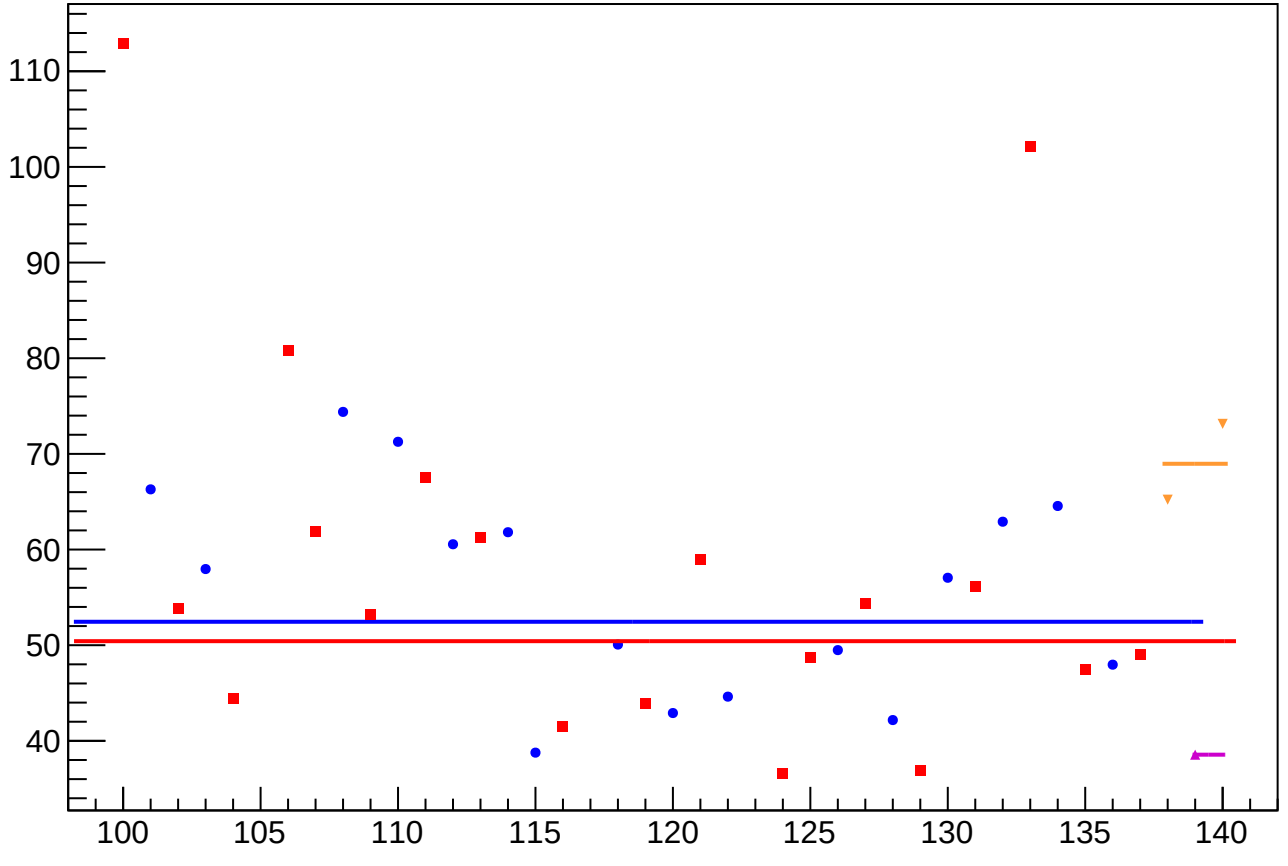
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.042+/-0.018 χ^2/NDF:13.1/16

Out: -0.013+/-0.018 χ^2/NDF:15.3/20

All: 0.014+/-0.013 χ^2/NDF: 32.8/37

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 68.966+/-0.041 χ^2/NDF:9466.1/1

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 38.555+/-0.031 χ^2/NDF:0.0/0

Left: 49.632+/-0.025 χ^2/NDF: 364702.7/2

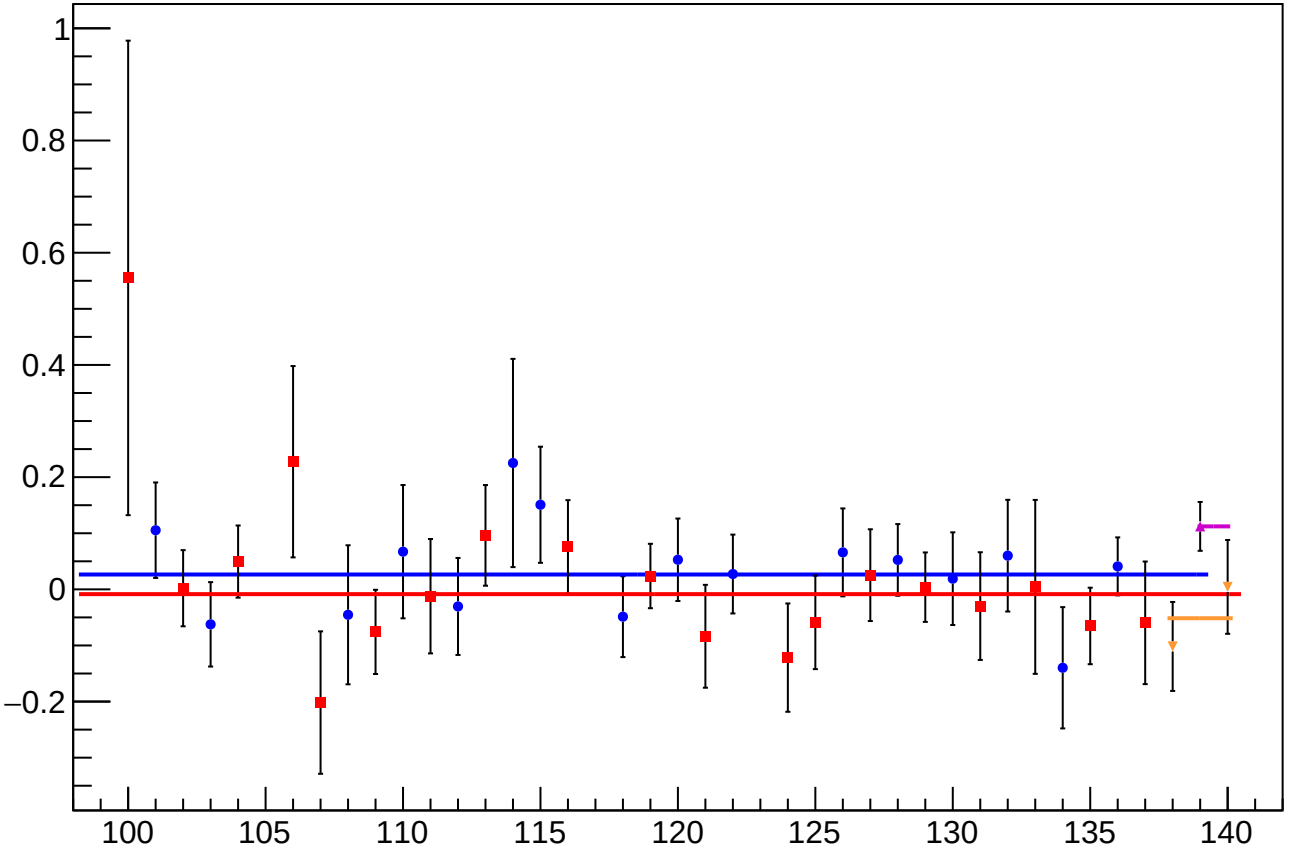
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 49.950+/-0.013 χ^2/NDF:584925.5/16

Out: 52.329+/-0.013 χ^2/NDF:872626.3/20

All: 51.141+/-0.009 χ^2/NDF: 1474158.5/37

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.051+/-0.058 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.112+/-0.044 χ^2/NDF:0.0/0

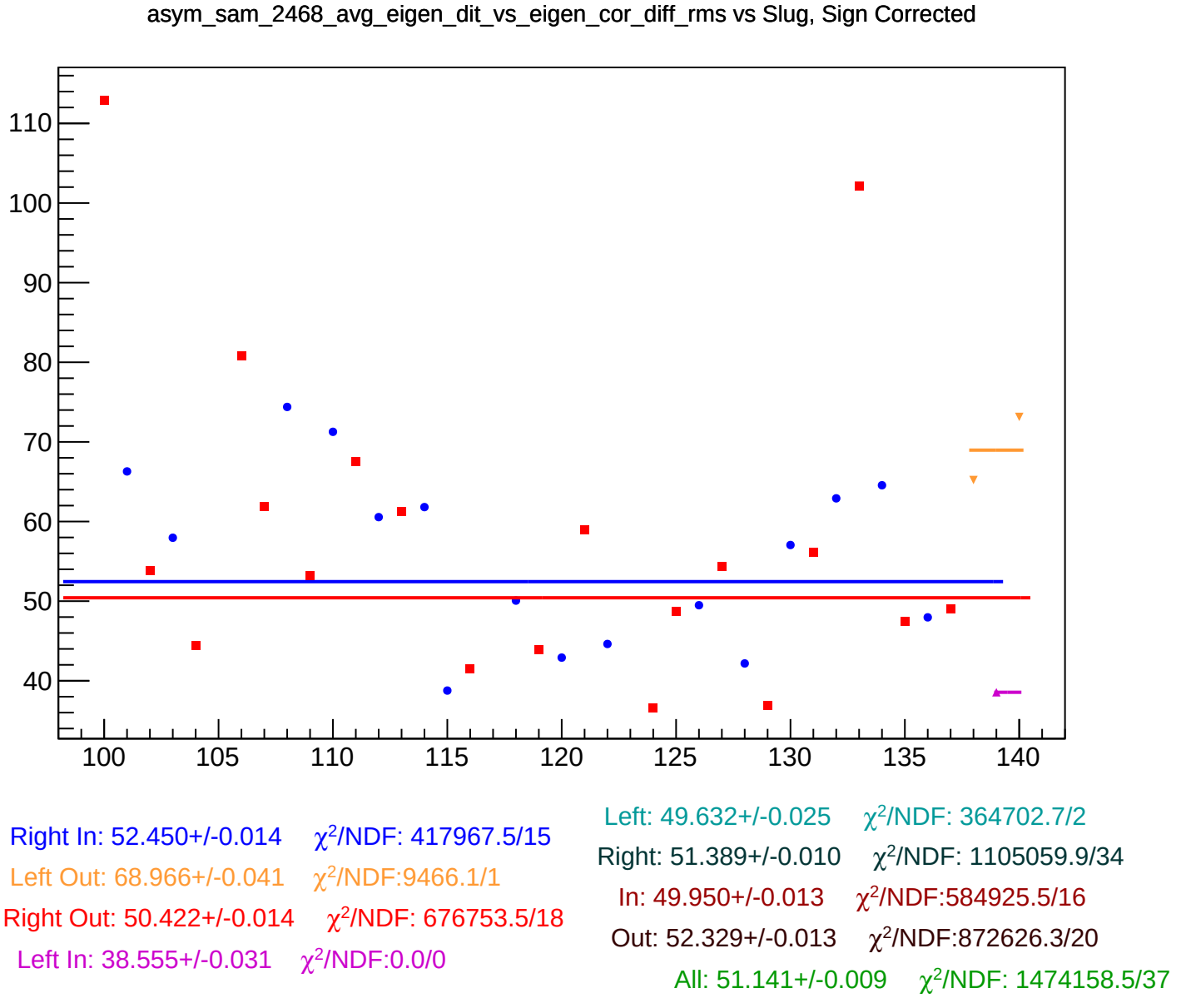
Left: 0.053+/-0.035 χ^2/NDF: 6.0/2

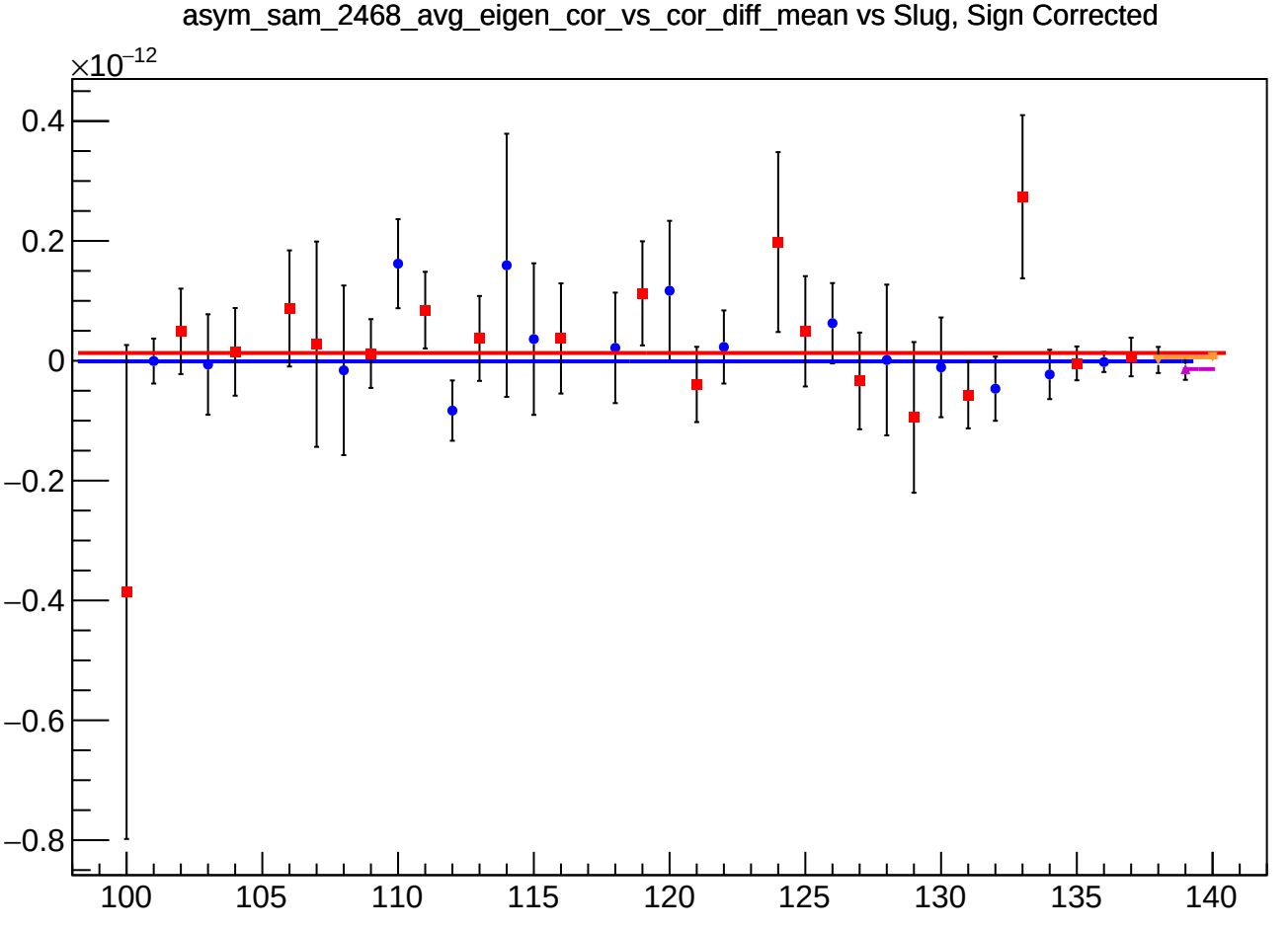
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

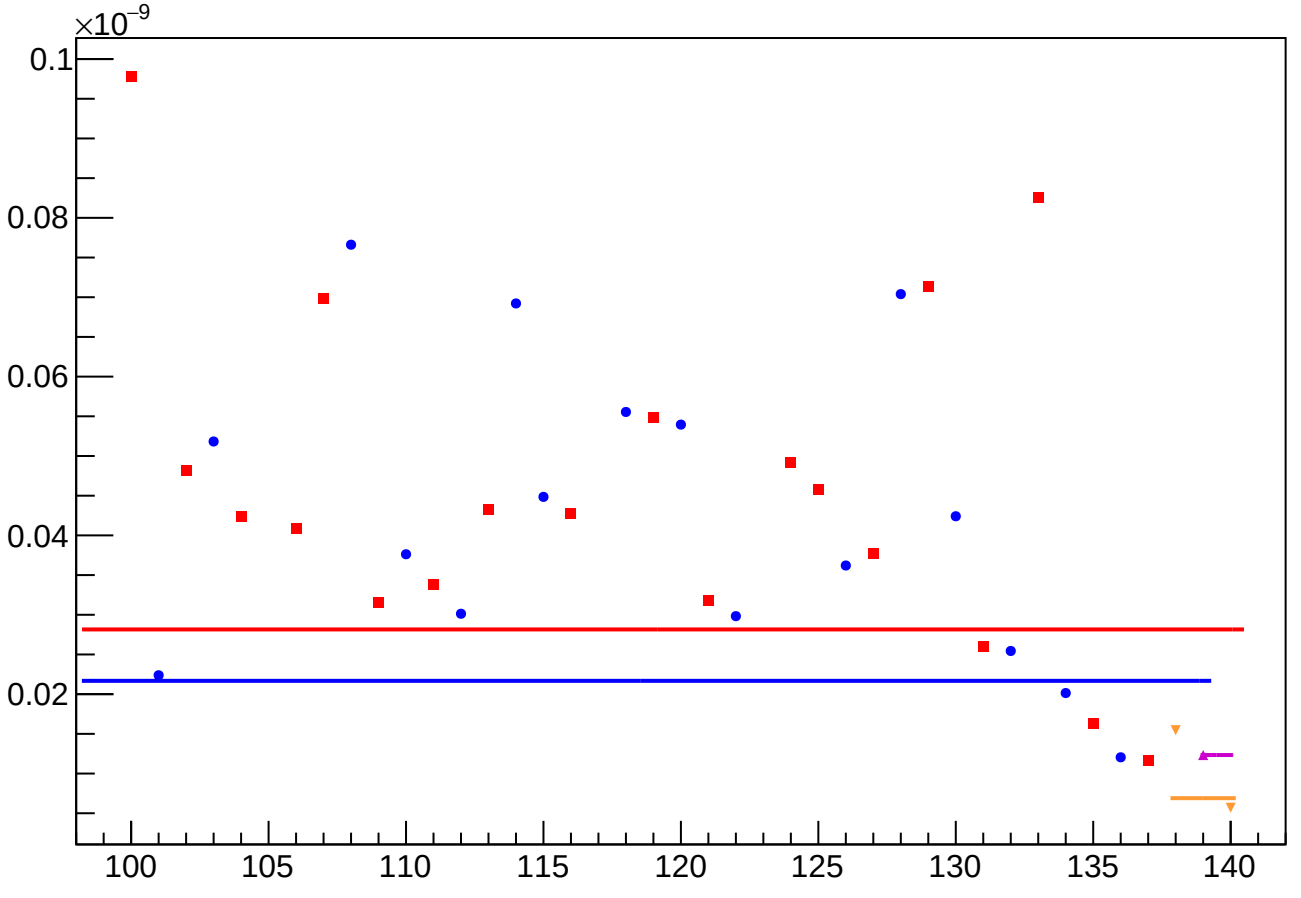
In: 0.042+/-0.018 χ^2/NDF:13.1/16

Out: -0.013+/-0.018 χ^2/NDF:15.3/20

All: 0.014+/-0.013 χ^2/NDF: 32.8/37


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
110
100
90
80
70
60
50
40
100
105
110
115
120
125
130
135
140
Right In: 52.450+/-0.014 χ²/NDF: 417967.5/15
Left Out: 68.966+/-0.041 χ²/NDF:9466.1/1
Right Out: 50.422+/-0.014 χ²/NDF: 676753.5/18
Left In: 38.555+/-0.031 χ²/NDF:0.0/0
Left: 49.632+/-0.025 χ²/NDF: 364702.7/2
Right: 51.389+/-0.010 χ²/NDF: 1105059.9/34
In: 49.950+/-0.013 χ²/NDF:584925.5/16
Out: 52.329+/-0.013 χ²/NDF:872626.3/20
All: 51.141+/-0.009 χ²/NDF: 1474158.5/37


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/1
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 1.1/2
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:11.6/16
Out: 0.000+/-0.000 χ²/NDF:13.9/20
All: 0.000+/-0.000 χ²/NDF: 26.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:352186.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

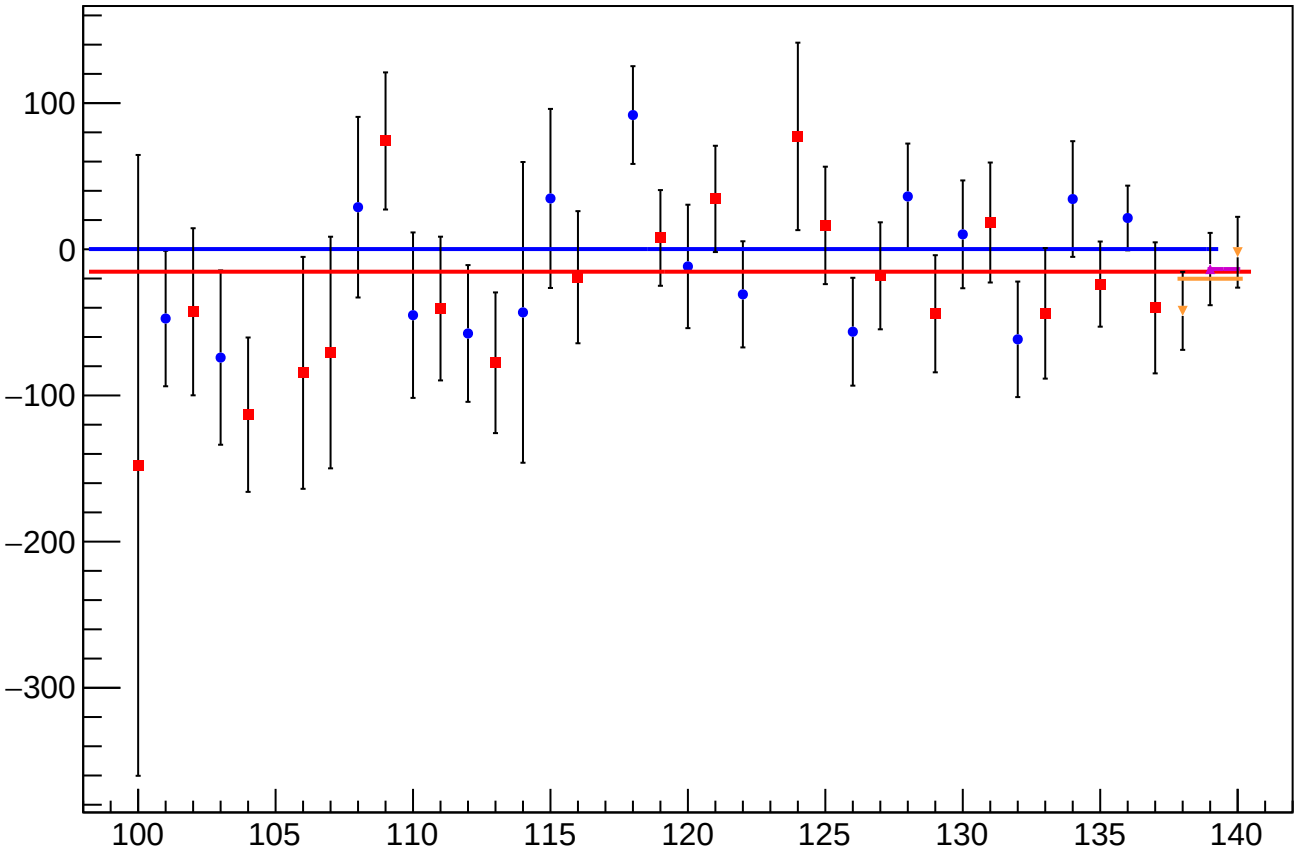
Left: 0.000+/-0.000 χ^2/NDF: 507603.7/2

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:2898602.8/16

Out: 0.000+/-0.000 χ^2/NDF:6093556.4/20

All: 0.000+/-0.000 χ^2/NDF: 9718518.5/37



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -20.148+/-17.932 χ^2/NDF:1.2/1

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -13.517+/-24.736 χ^2/NDF:0.0/0

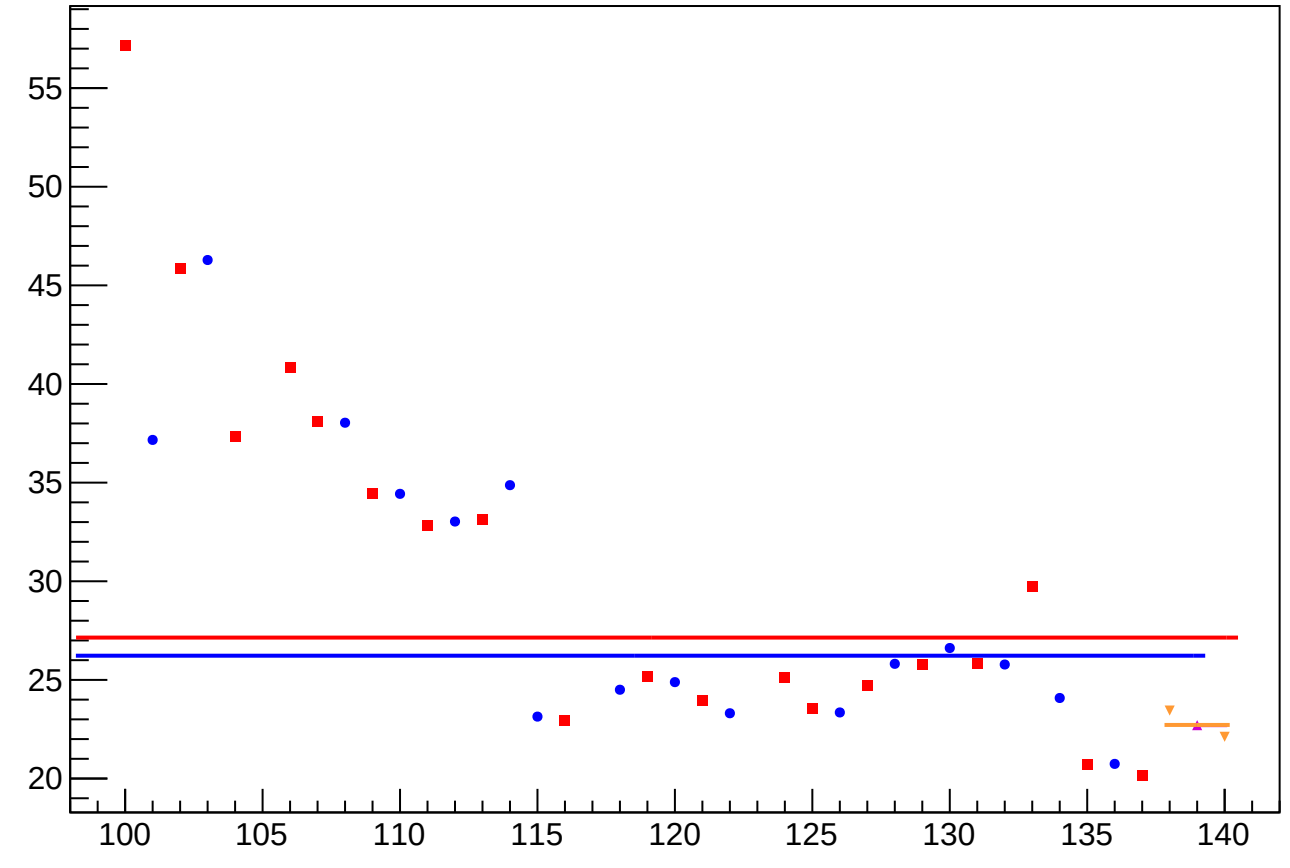
Left: -17.864+/-14.519 χ^2/NDF: 1.3/2

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -1.782+/-9.309 χ^2/NDF:21.6/16

Out: -16.521+/-8.910 χ^2/NDF:19.2/20

All: -9.474+/-6.437 χ^2/NDF: 42.1/37



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 22.717+/-0.013 χ^2/NDF:2723.7/1

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 22.706+/-0.017 χ^2/NDF:0.0/0

Left: 22.713+/-0.010 χ^2/NDF: 2723.9/2

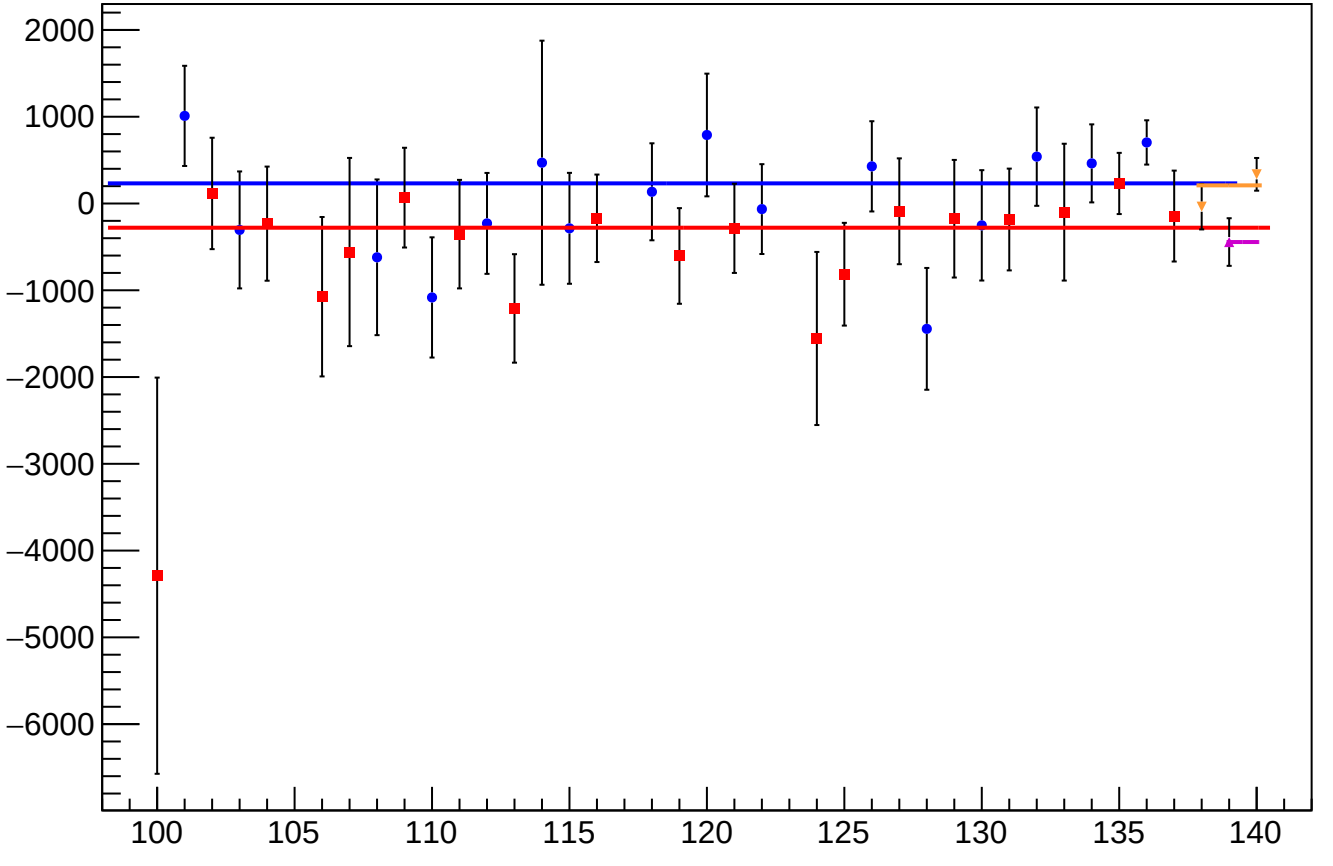
Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 25.728+/-0.007 χ^2/NDF:710802.9/16

Out: 26.052+/-0.006 χ^2/NDF:849999.1/20

All: 25.897+/-0.005 χ^2/NDF: 1562065.0/37

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 209.042+/-152.995 χ^2/NDF:1.3/1

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -444.051+/-274.388 χ^2/NDF:0.0/0

Left: 54.149+/-133.626 χ^2/NDF: 5.7/2

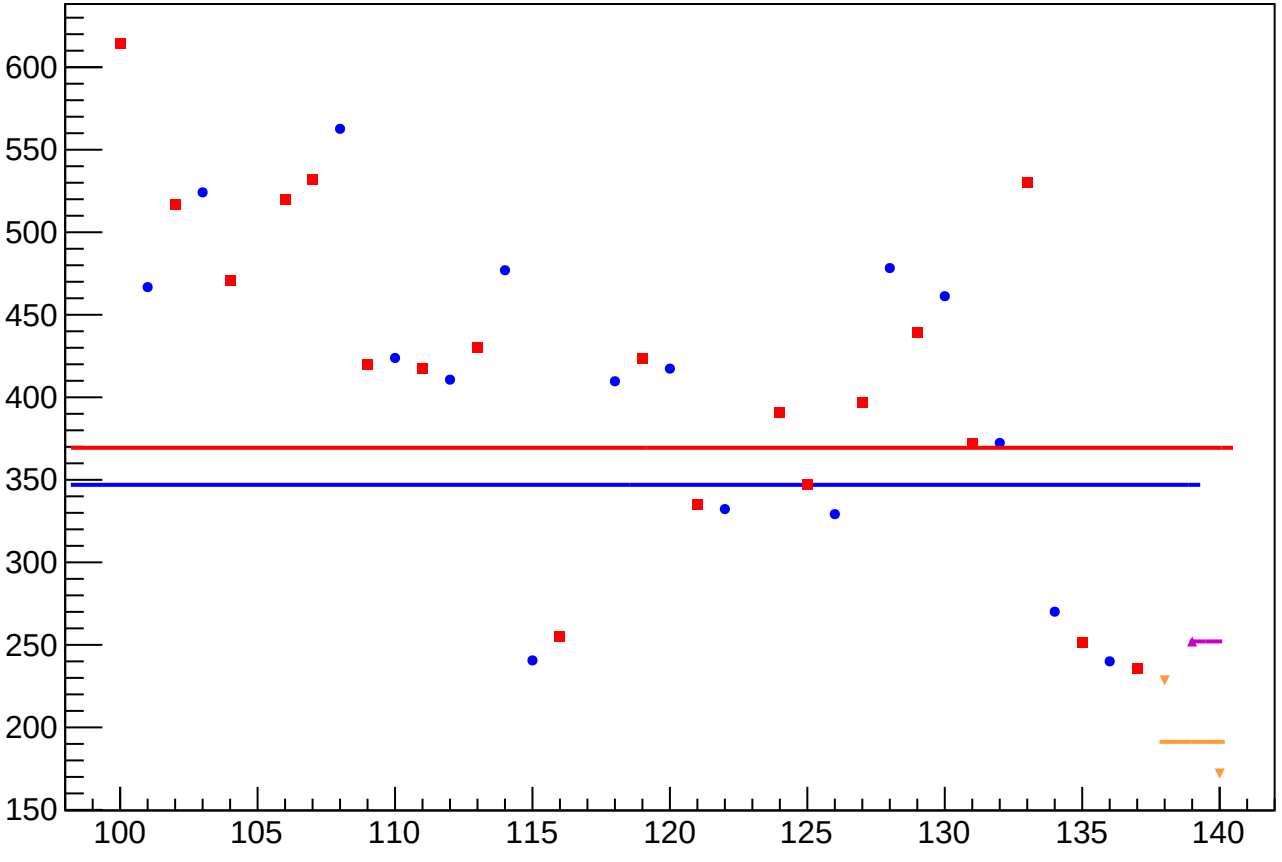
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 100.520+/-121.039 χ^2/NDF:24.5/16

Out: -56.666+/-103.270 χ^2/NDF:19.0/20

All: 9.553+/-78.562 χ^2/NDF: 44.5/37

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 191.268+/-0.108 χ^2/NDF:61138.6/1

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 252.091+/-0.194 χ^2/NDF:0.0/0

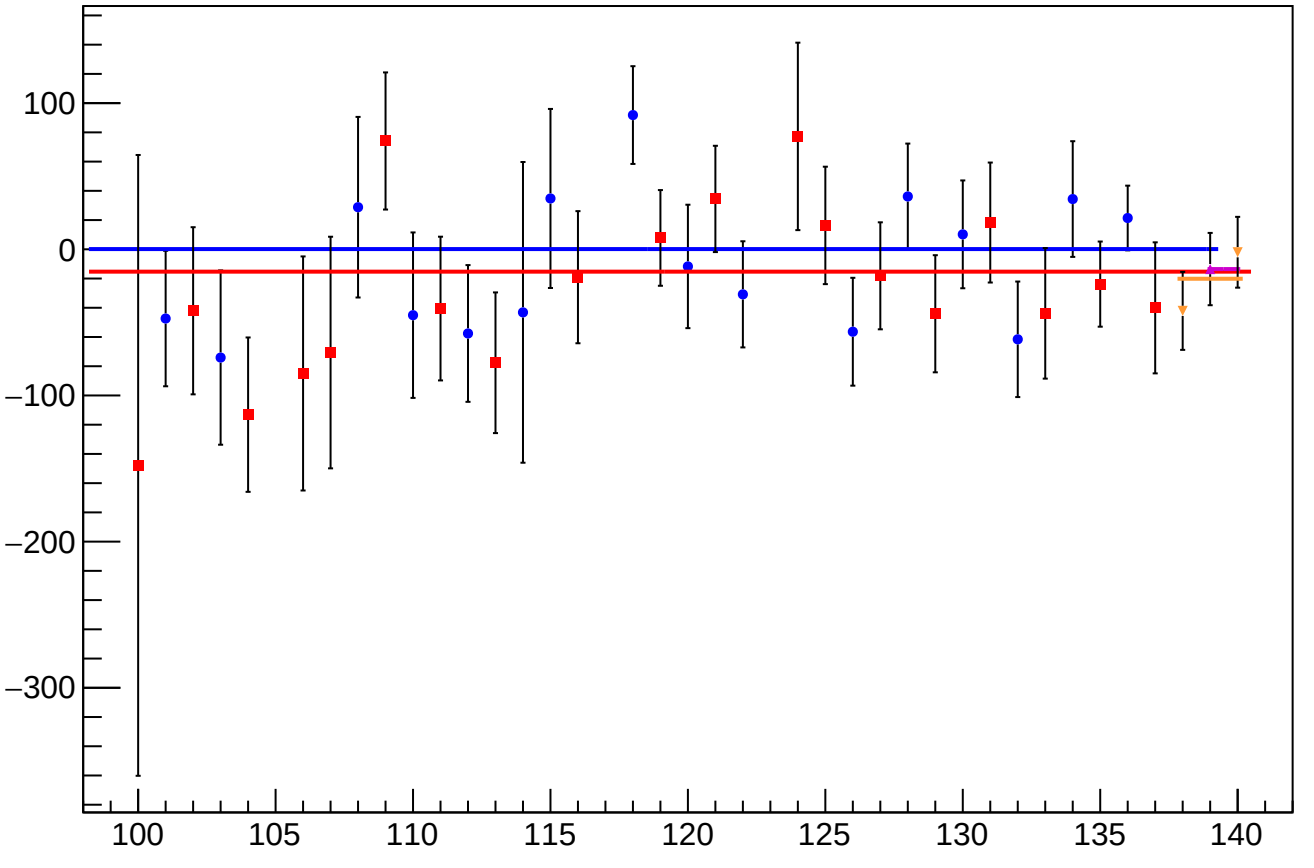
Left: 205.693+/-0.094 χ^2/NDF: 136105.0/2

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 328.507+/-0.086 χ^2/NDF:1250626.2/16

Out: 288.247+/-0.073 χ^2/NDF:2456100.6/20

All: 305.207+/-0.056 χ^2/NDF: 3834780.8/37



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -20.152+/-17.932 χ^2/NDF:1.2/1

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -13.522+/-24.736 χ^2/NDF:0.0/0

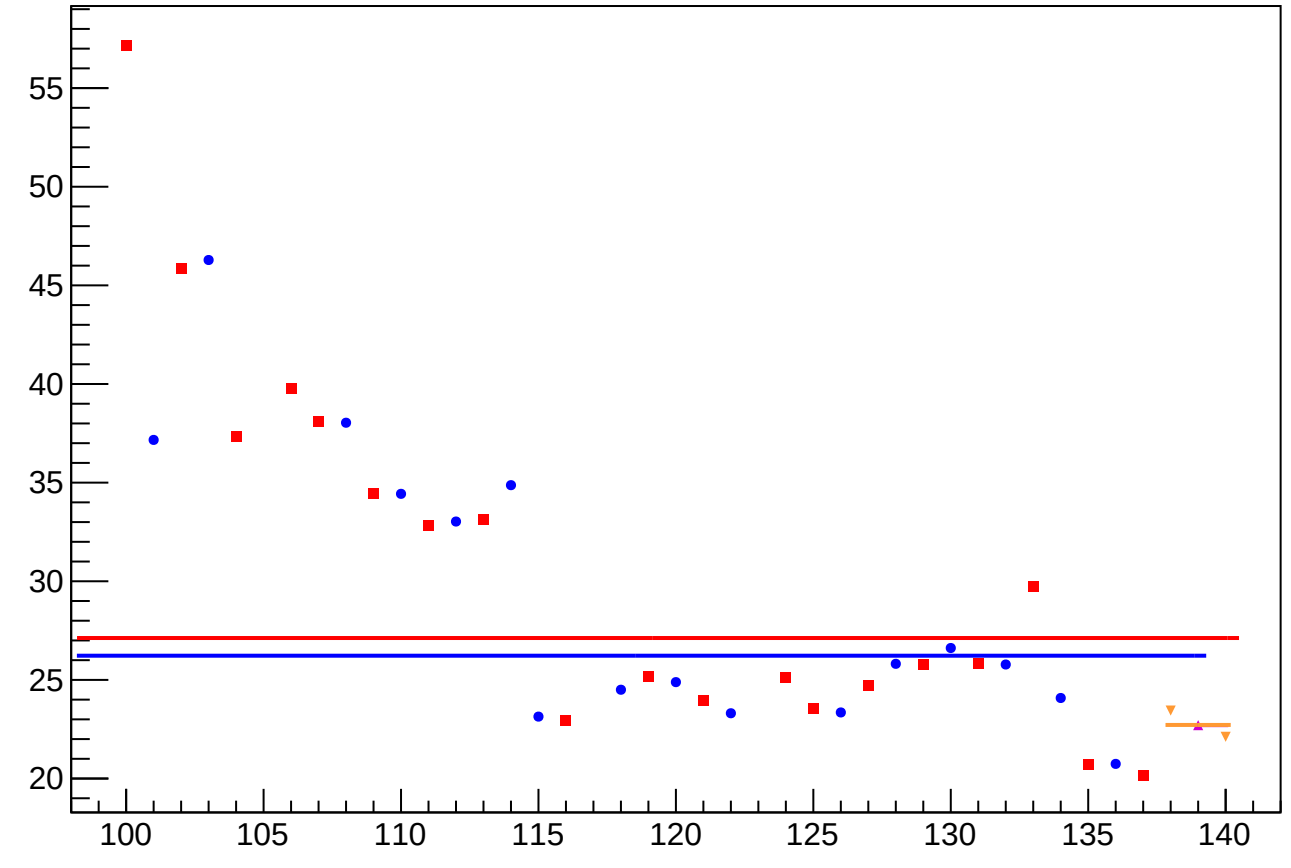
Left: -17.868+/-14.519 χ^2/NDF: 1.3/2

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -1.780+/-9.309 χ^2/NDF:21.6/16

Out: -16.492+/-8.911 χ^2/NDF:19.2/20

All: -9.457+/-6.437 χ^2/NDF: 42.1/37



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 22.717+/-0.013 χ^2/NDF:2723.7/1

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 22.706+/-0.017 χ^2/NDF:0.0/0

Left: 22.713+/-0.010 χ^2/NDF: 2723.9/2

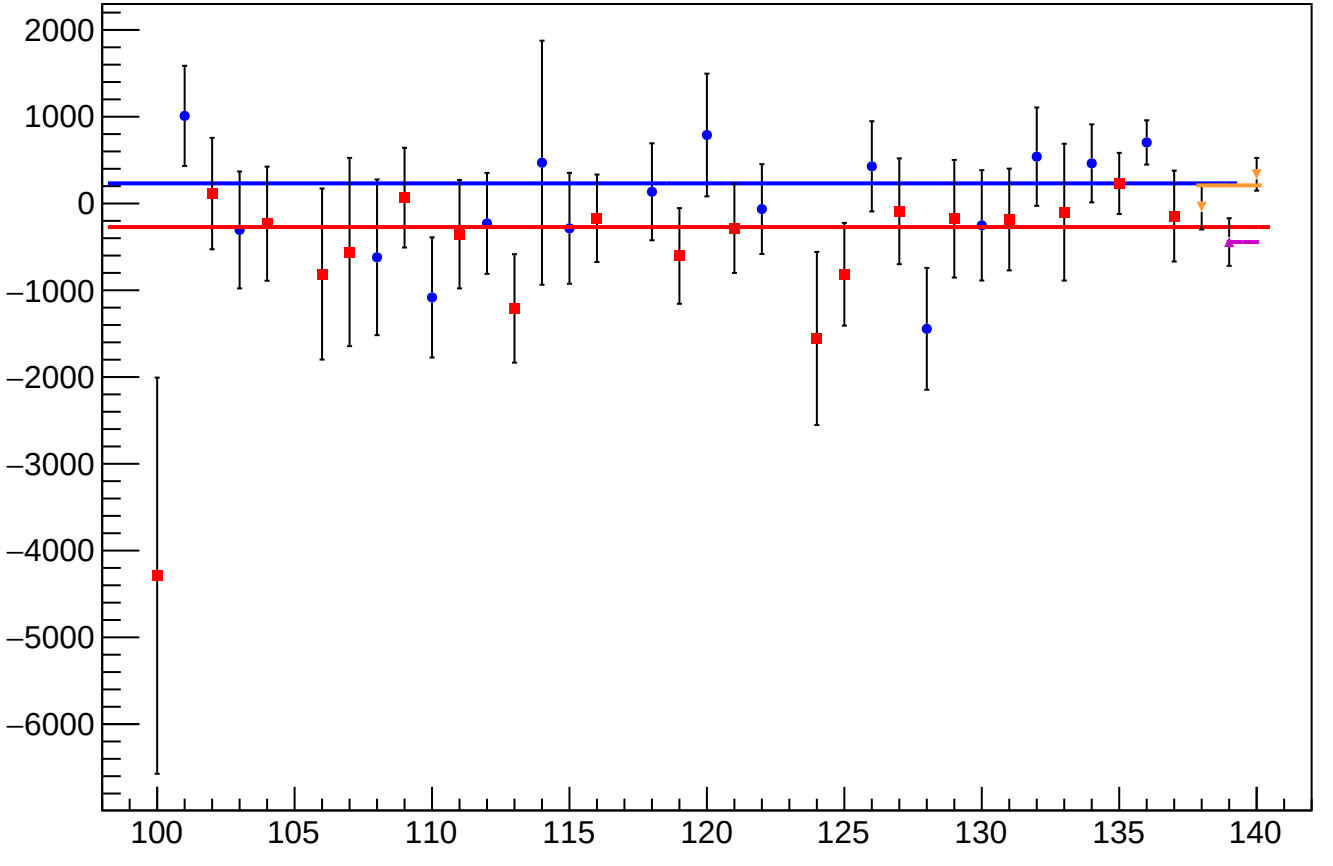
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 25.728+/-0.007 χ^2/NDF:710806.3/16

Out: 26.035+/-0.006 χ^2/NDF:839340.6/20

All: 25.888+/-0.005 χ^2/NDF: 1551282.2/37

asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 209.035+/-152.995 χ^2/NDF:1.3/1

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -444.055+/-274.388 χ^2/NDF:0.0/0

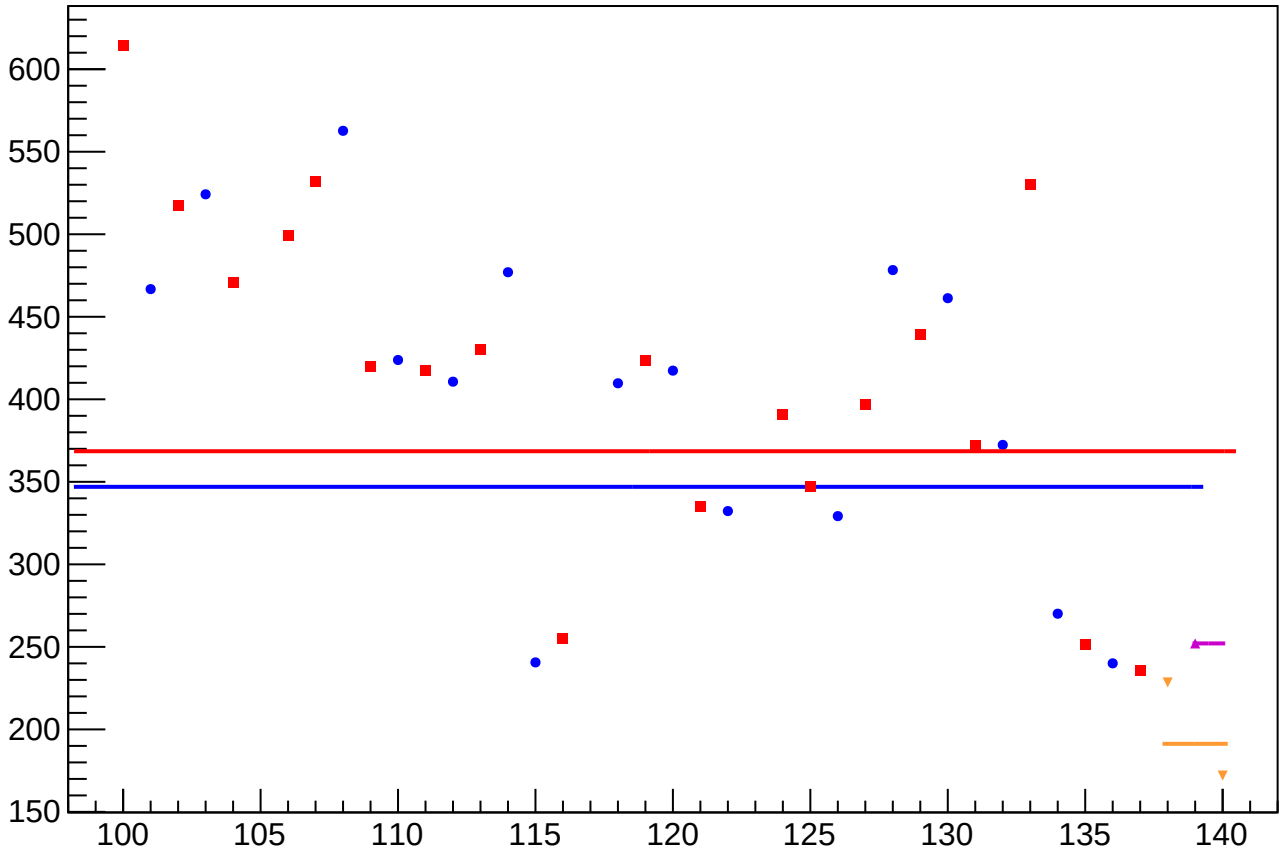
Left: 54.143+/-133.626 χ^2/NDF: 5.7/2

Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 100.513+/-121.039 χ^2/NDF:24.5/16

Out: -52.145+/-103.357 χ^2/NDF:18.3/20

All: 12.229+/-78.600 χ^2/NDF: 43.8/37



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 191.268+/-0.108 χ^2/NDF:61138.7/1

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 252.091+/-0.194 χ^2/NDF:0.0/0

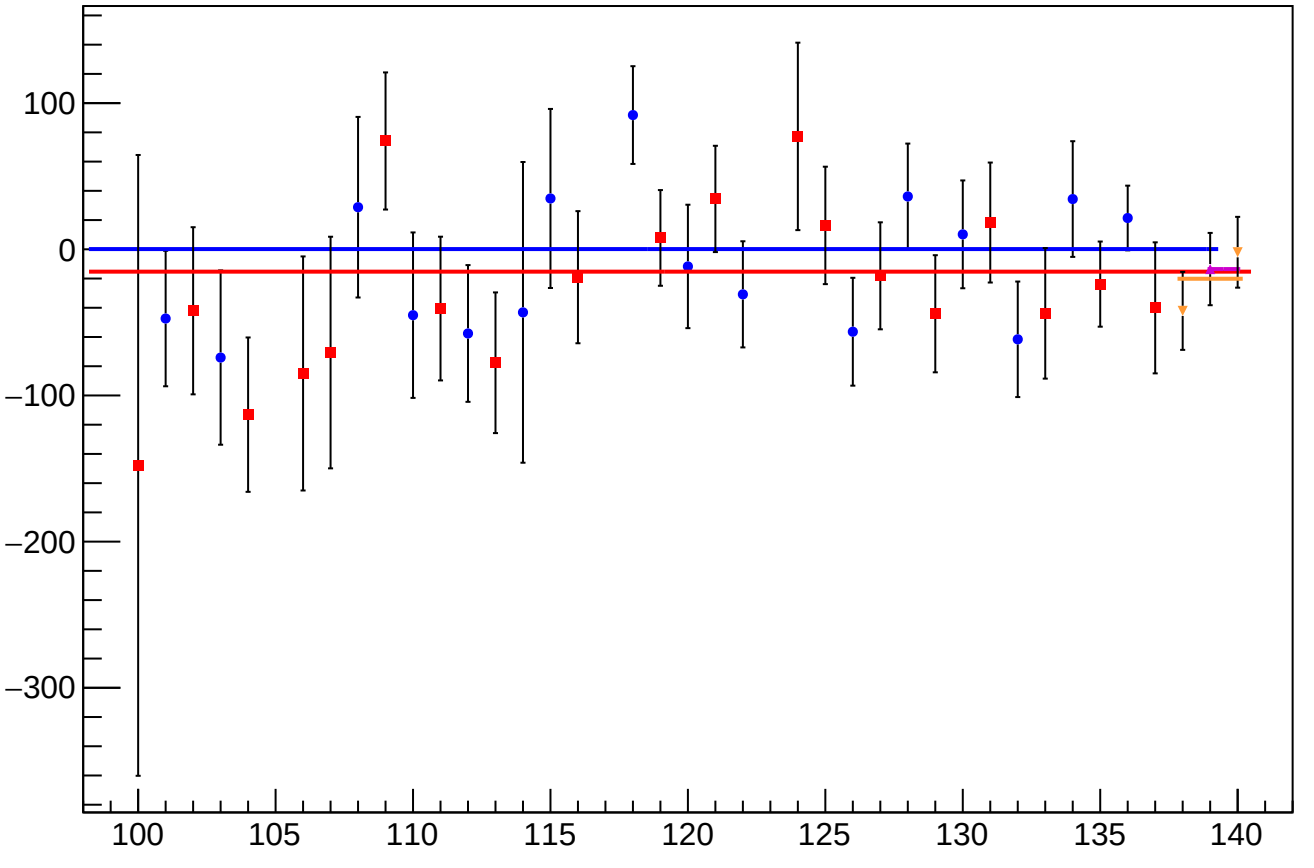
Left: 205.693+/-0.094 χ^2/NDF: 136105.3/2

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 328.507+/-0.086 χ^2/NDF:1250655.4/16

Out: 287.638+/-0.073 χ^2/NDF:2421068.9/20

All: 304.872+/-0.056 χ^2/NDF: 3803586.4/37



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -20.152+/-17.932 χ^2/NDF:1.2/1

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -13.522+/-24.736 χ^2/NDF:0.0/0

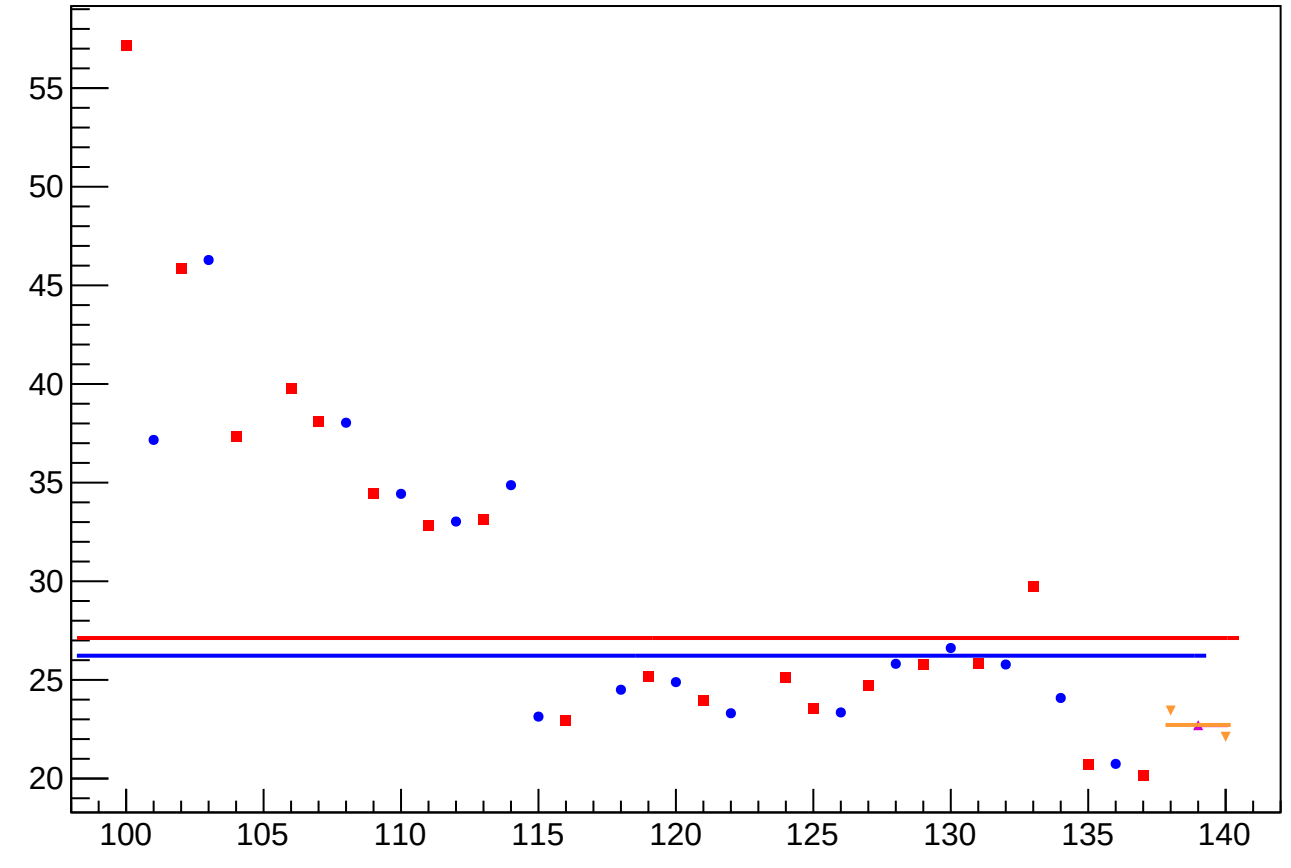
Left: -17.868+/-14.519 χ^2/NDF: 1.3/2

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -1.780+/-9.309 χ^2/NDF:21.6/16

Out: -16.492+/-8.911 χ^2/NDF:19.2/20

All: -9.457+/-6.437 χ^2/NDF: 42.1/37



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 22.717+/-0.013 χ^2/NDF:2723.7/1

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 22.706+/-0.017 χ^2/NDF:0.0/0

Left: 22.713+/-0.010 χ^2/NDF: 2723.9/2

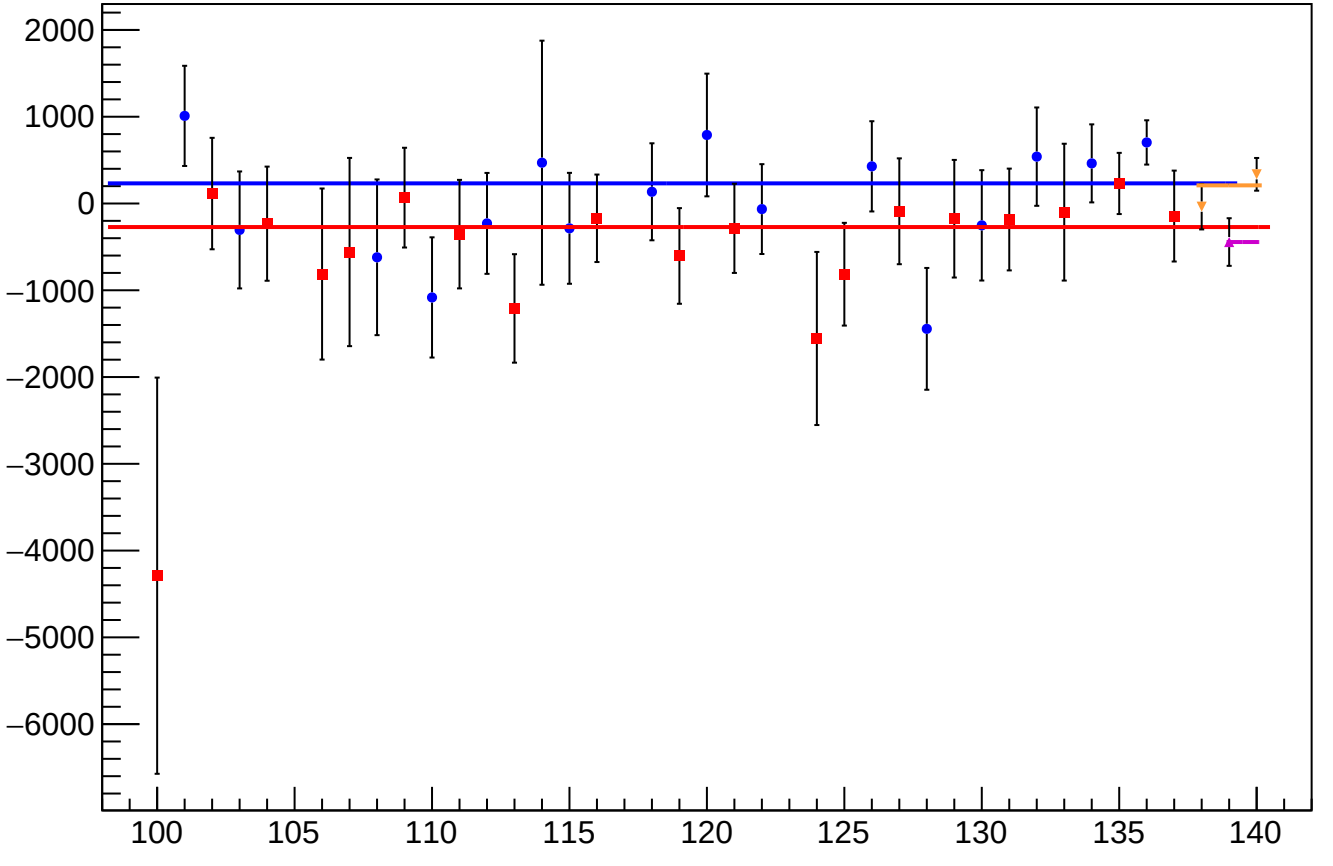
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 25.728+/-0.007 χ^2/NDF:710806.3/16

Out: 26.035+/-0.006 χ^2/NDF:839340.6/20

All: 25.888+/-0.005 χ^2/NDF: 1551282.2/37

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 209.035+/-152.995 χ^2/NDF:1.3/1

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -444.055+/-274.388 χ^2/NDF:0.0/0

Left: 54.143+/-133.626 χ^2/NDF: 5.7/2

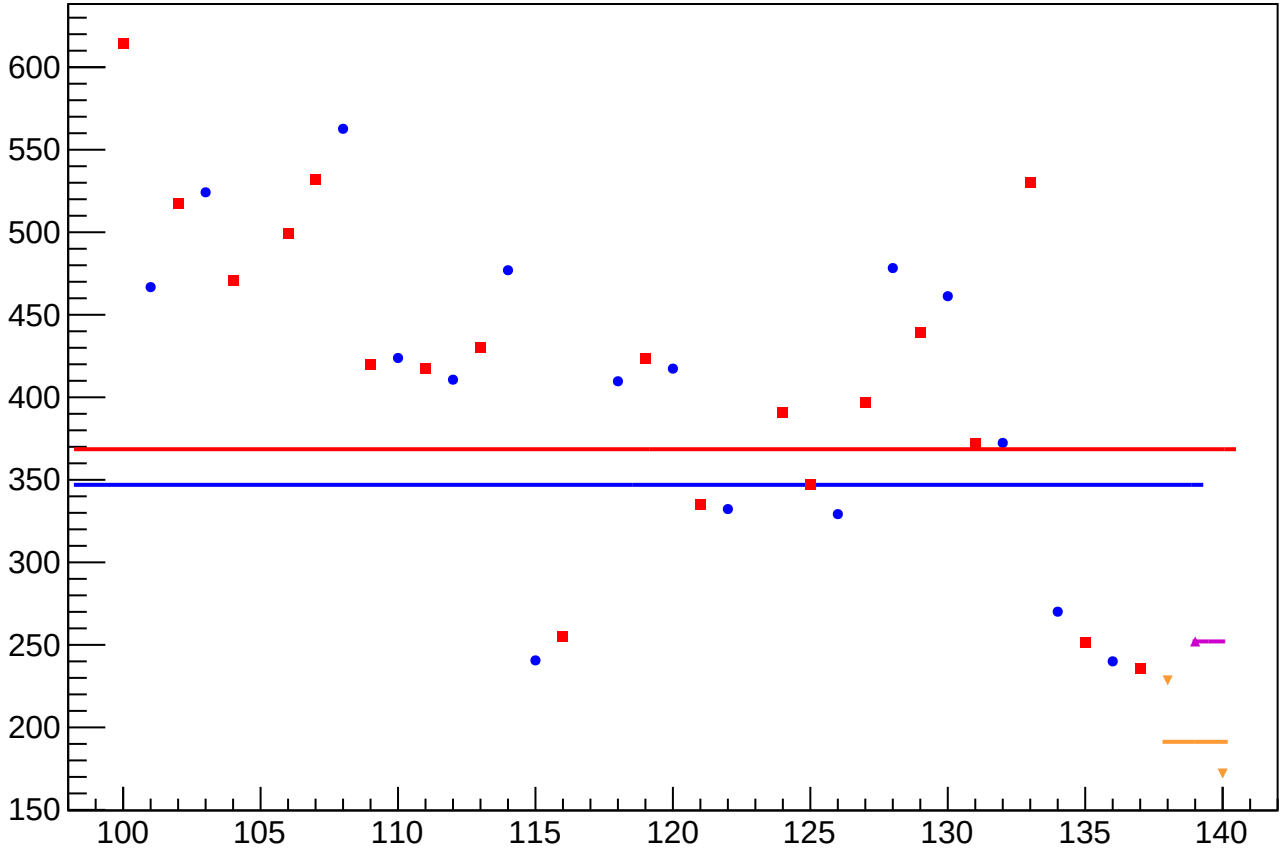
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 100.513+/-121.039 χ^2/NDF:24.5/16

Out: -52.145+/-103.357 χ^2/NDF:18.3/20

All: 12.229+/-78.600 χ^2/NDF: 43.8/37

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 191.268+/-0.108 χ^2/NDF:61138.7/1

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 252.091+/-0.194 χ^2/NDF:0.0/0

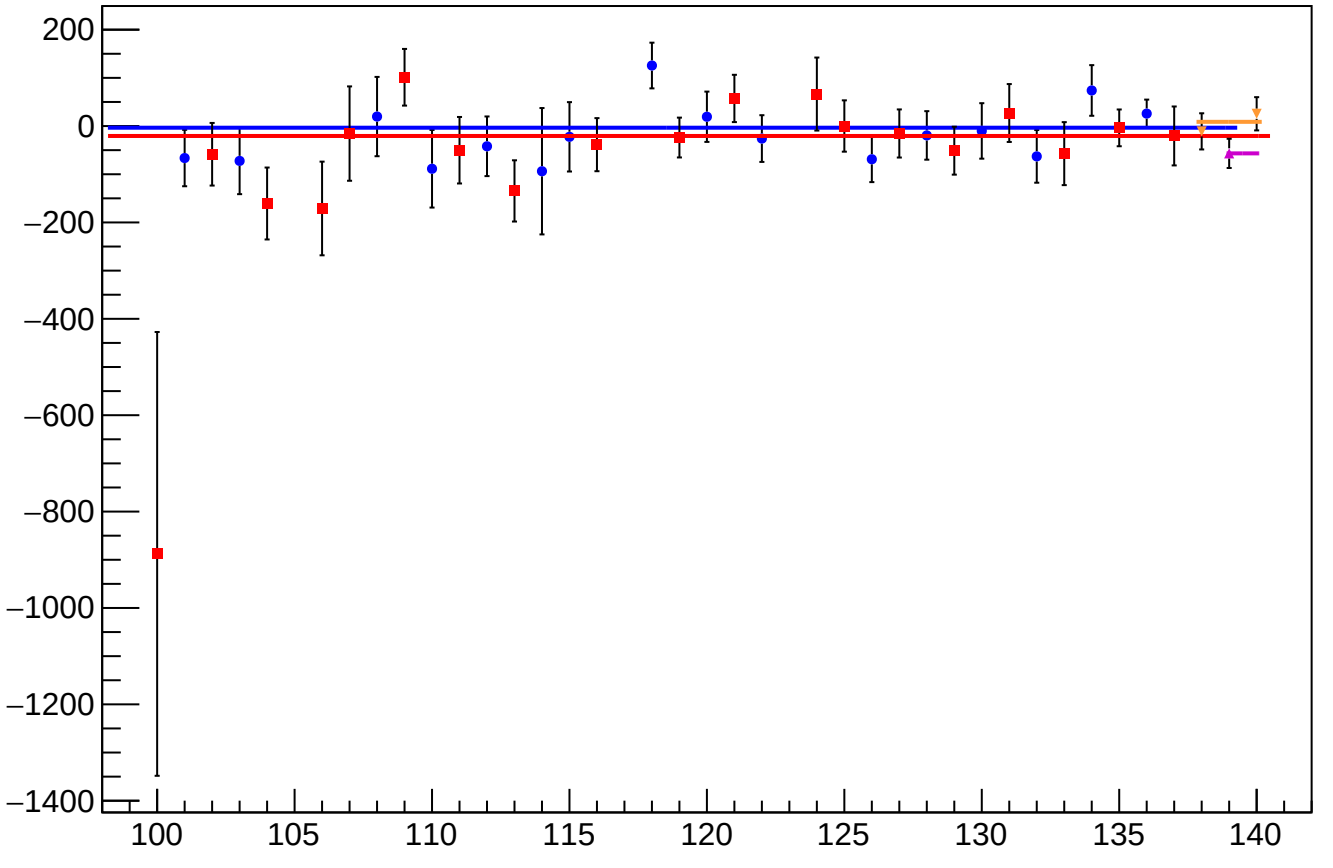
Left: 205.693+/-0.094 χ^2/NDF: 136105.3/2

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 328.507+/-0.086 χ^2/NDF:1250655.4/16

Out: 287.638+/-0.073 χ^2/NDF:2421068.9/20

All: 304.872+/-0.056 χ^2/NDF: 3803586.4/37



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 8.771+/-25.389 χ^2/NDF:0.5/1

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -56.694+/-30.302 χ^2/NDF:0.0/0

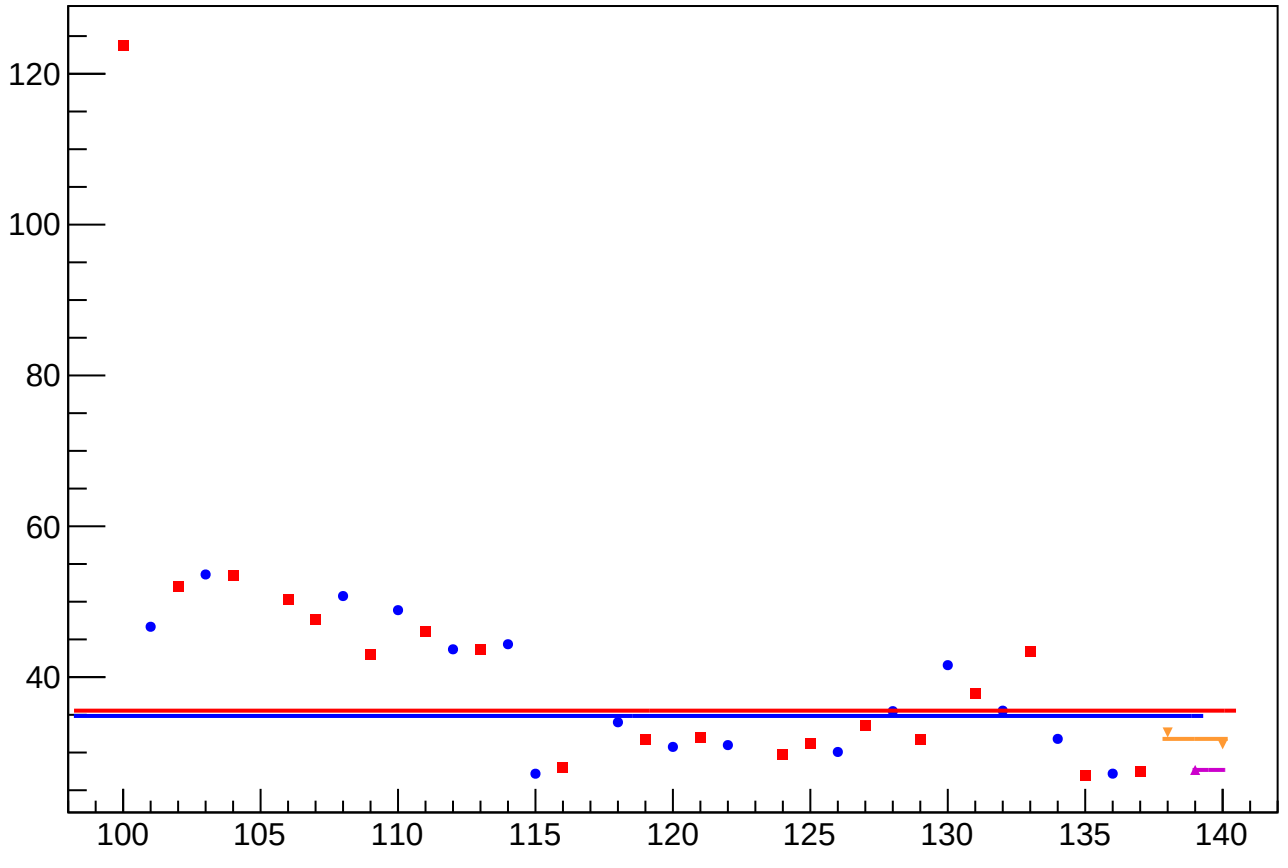
Left: -18.231+/-19.461 χ^2/NDF: 3.3/2

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -12.129+/-12.250 χ^2/NDF:21.1/16

Out: -14.121+/-11.902 χ^2/NDF:24.7/20

All: -13.153+/-8.536 χ^2/NDF: 45.8/37



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 31.809+/-0.018 χ^2/NDF:1898.1/1

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 27.694+/-0.021 χ^2/NDF:0.0/0

Left: 30.112+/-0.014 χ^2/NDF: 23561.0/2

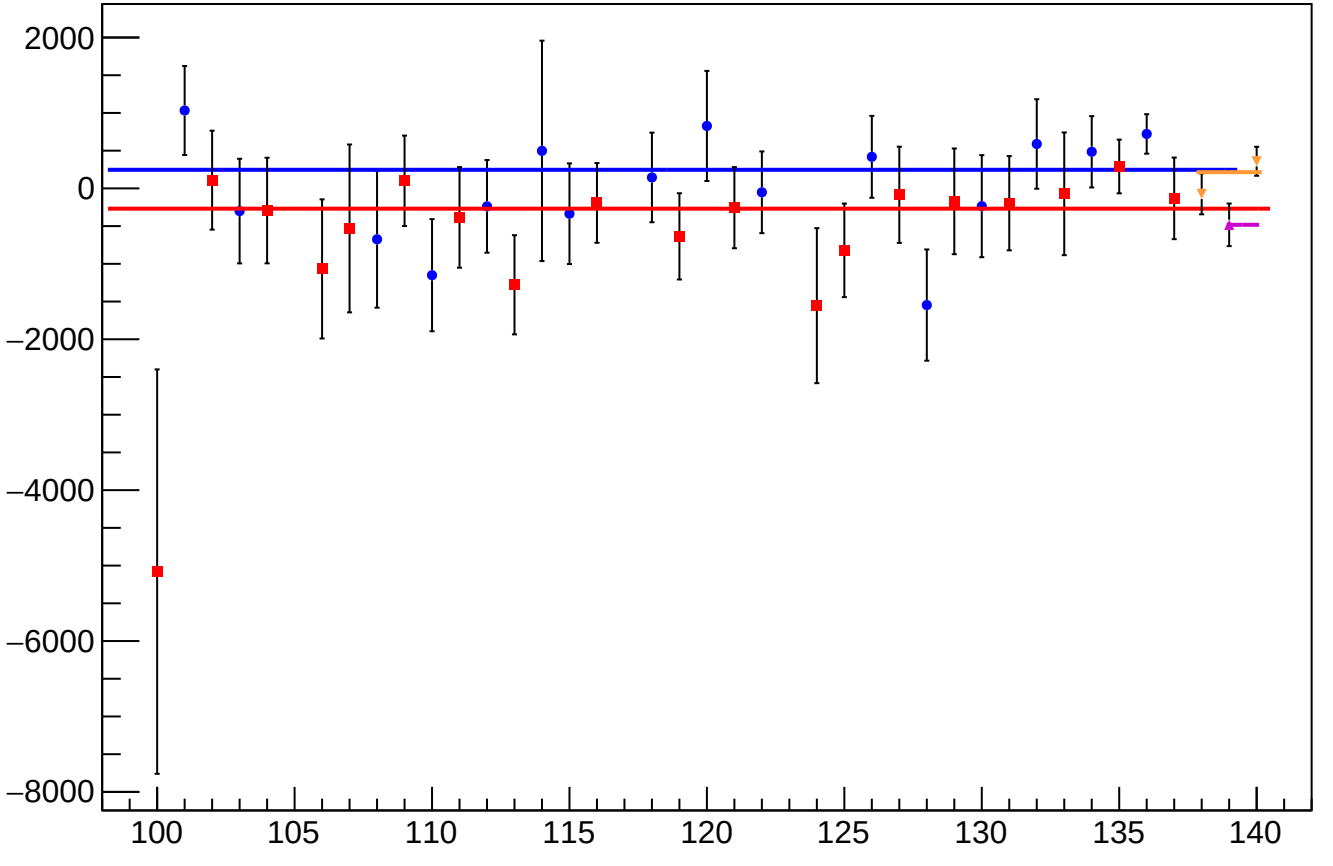
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 33.681+/-0.009 χ^2/NDF:751457.0/16

Out: 34.730+/-0.008 χ^2/NDF:815716.3/20

All: 34.221+/-0.006 χ^2/NDF: 1574717.2/37

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 214.979+/-156.637 χ^2/NDF:1.7/1

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -482.896+/-282.308 χ^2/NDF:0.0/0

Left: 50.708+/-136.966 χ^2/NDF: 6.4/2

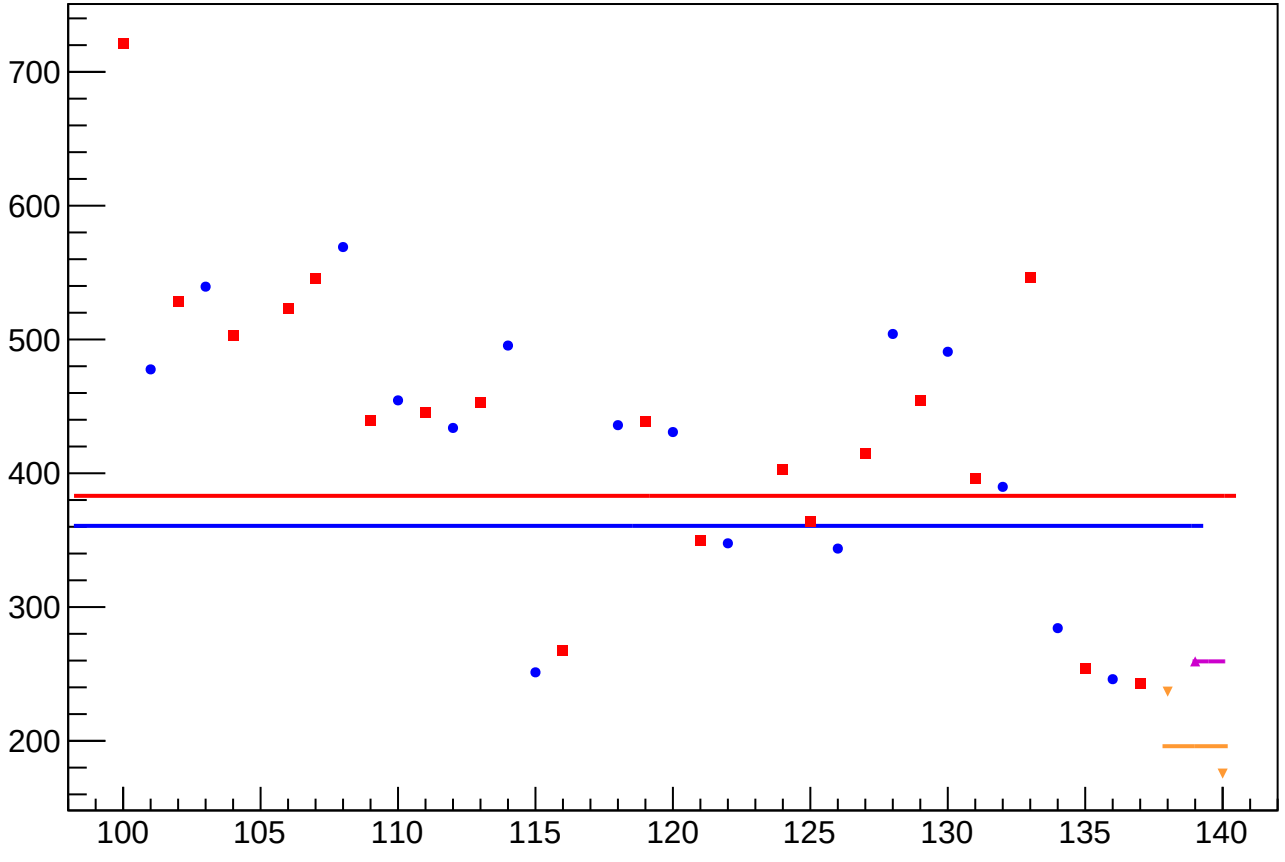
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 102.079+/-125.622 χ^2/NDF:25.1/16

Out: -45.117+/-106.523 χ^2/NDF:19.5/20

All: 16.453+/-81.246 χ^2/NDF: 45.4/37

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: 196.003+/-0.111 χ^2/NDF:68093.6/1

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 259.405+/-0.200 χ^2/NDF:0.0/0

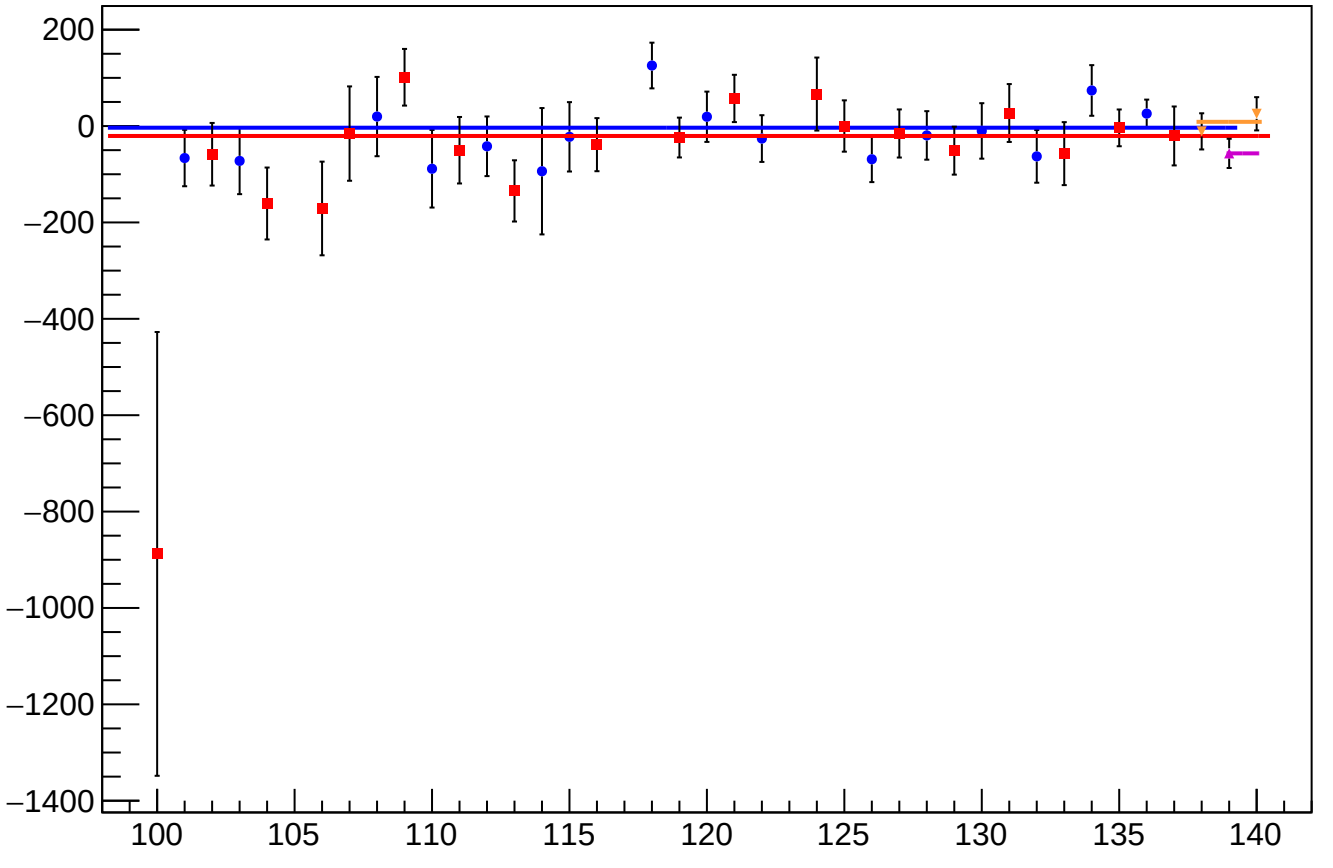
Left: 210.927+/-0.097 χ^2/NDF: 145223.3/2

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 340.636+/-0.089 χ^2/NDF:1299235.7/16

Out: 296.587+/-0.075 χ^2/NDF:2565512.2/20

All: 315.012+/-0.057 χ^2/NDF: 4007802.3/37



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 8.771+/-25.389 χ^2/NDF:0.5/1

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -56.689+/-30.302 χ^2/NDF:0.0/0

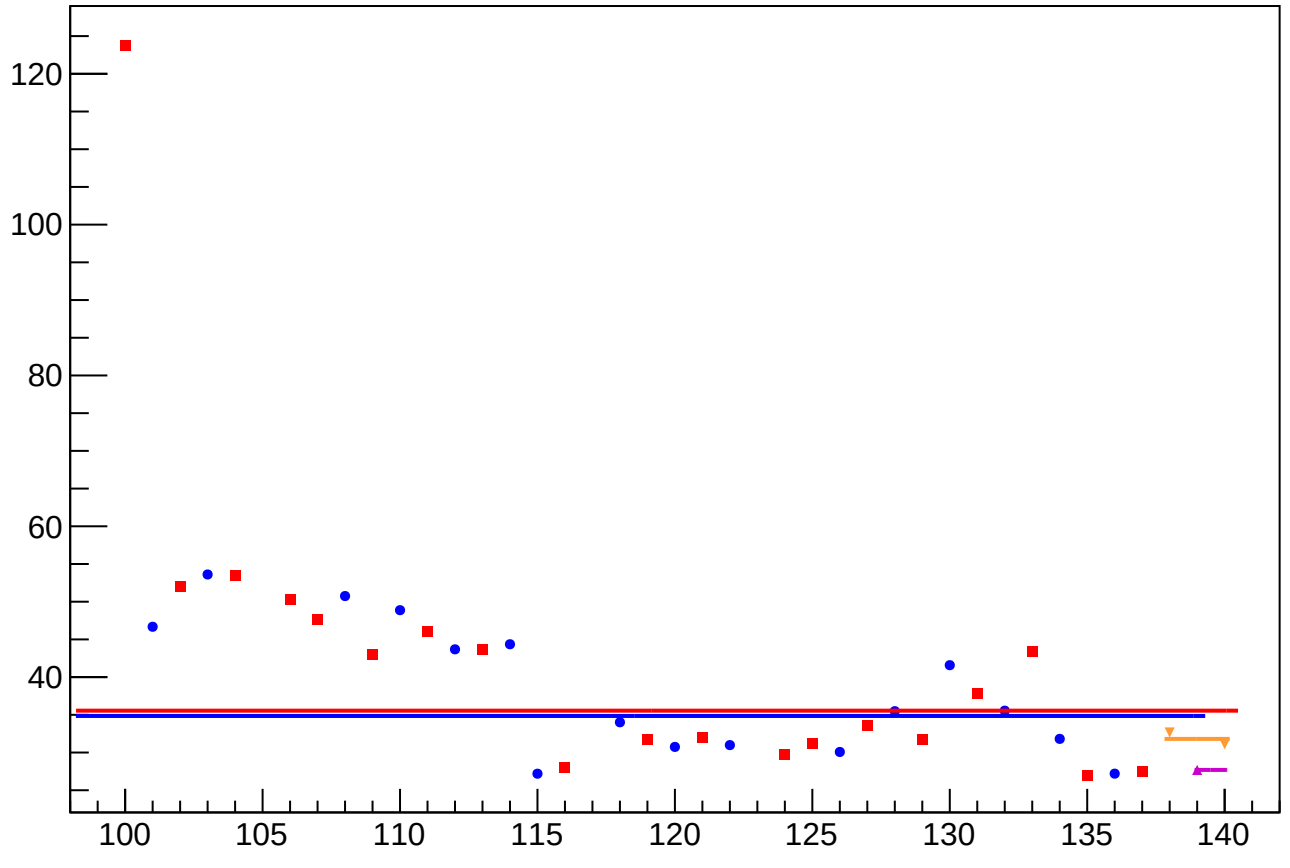
Left: -18.229+/-19.461 χ^2/NDF: 3.3/2

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -12.129+/-12.249 χ^2/NDF:21.1/16

Out: -14.121+/-11.902 χ^2/NDF:24.7/20

All: -13.153+/-8.536 χ^2/NDF: 45.8/37



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 31.808+/-0.018 χ^2/NDF:1896.6/1

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 27.694+/-0.021 χ^2/NDF:0.0/0

Left: 30.111+/-0.014 χ^2/NDF: 23563.3/2

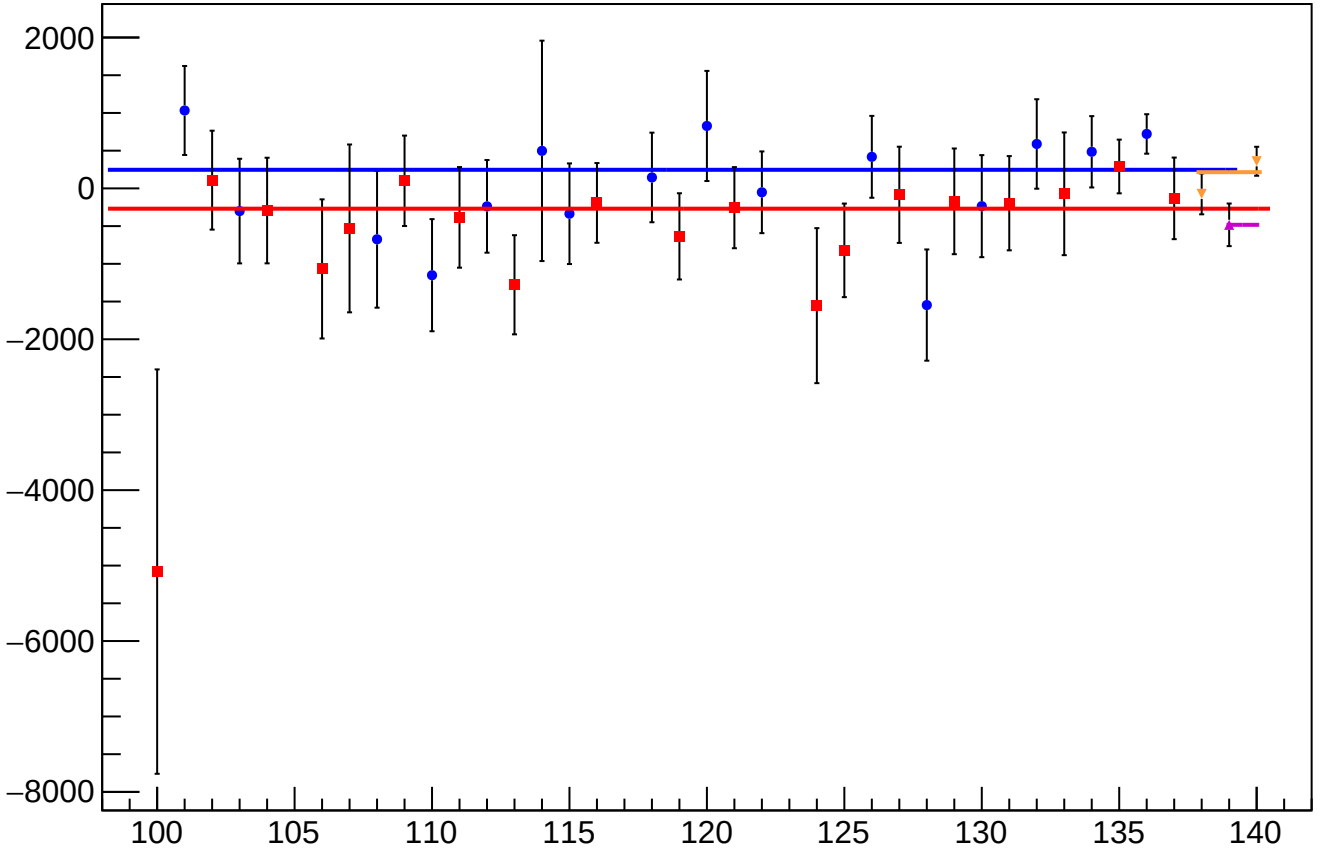
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 33.681+/-0.009 χ^2/NDF:751410.9/16

Out: 34.730+/-0.008 χ^2/NDF:815682.3/20

All: 34.220+/-0.006 χ^2/NDF: 1574639.5/37

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 214.978+/-156.636 χ^2/NDF:1.7/1

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -482.894+/-282.305 χ^2/NDF:0.0/0

Left: 50.708+/-136.965 χ^2/NDF: 6.4/2

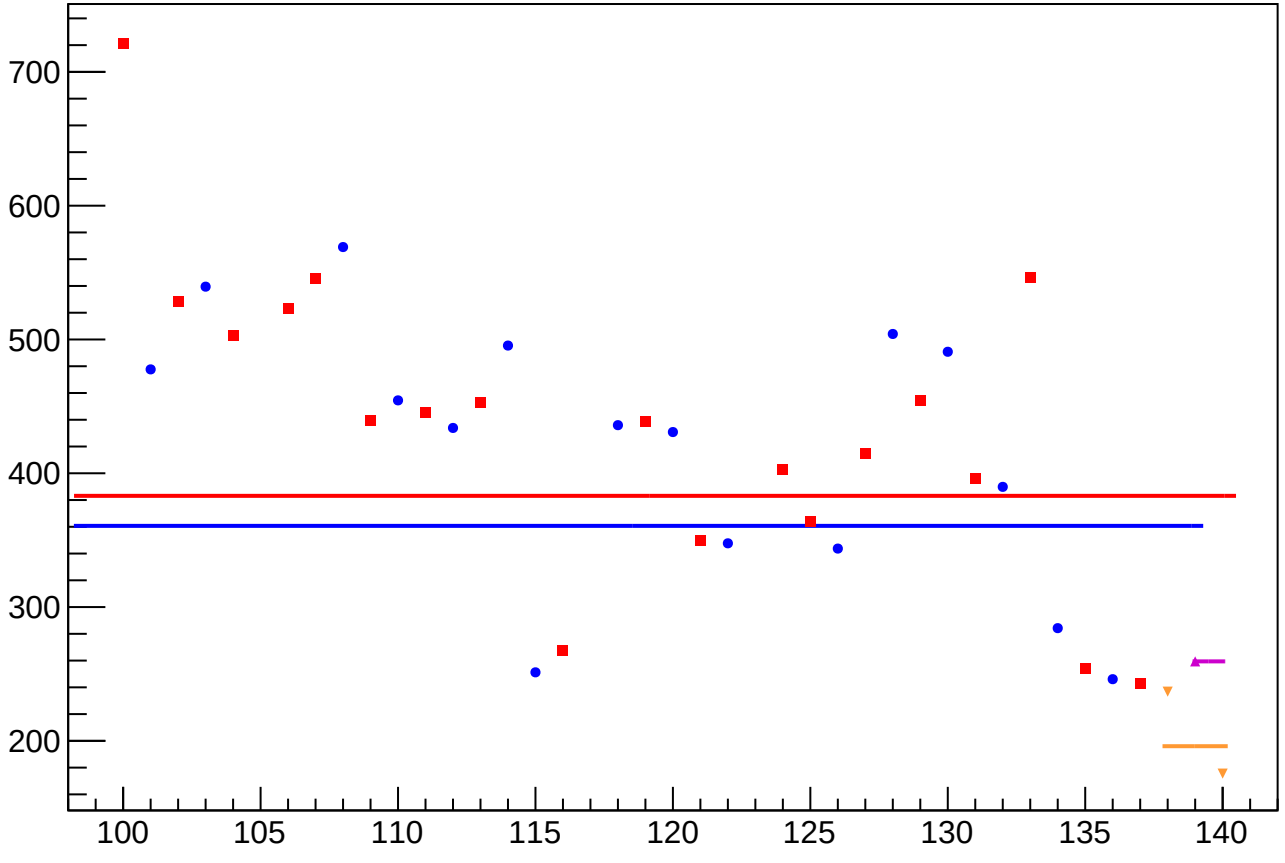
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 102.077+/-125.621 χ^2/NDF:25.1/16

Out: -45.117+/-106.523 χ^2/NDF:19.5/20

All: 16.452+/-81.245 χ^2/NDF: 45.4/37

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 196.002+/-0.111 χ^2/NDF:68090.2/1

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 259.403+/-0.200 χ^2/NDF:0.0/0

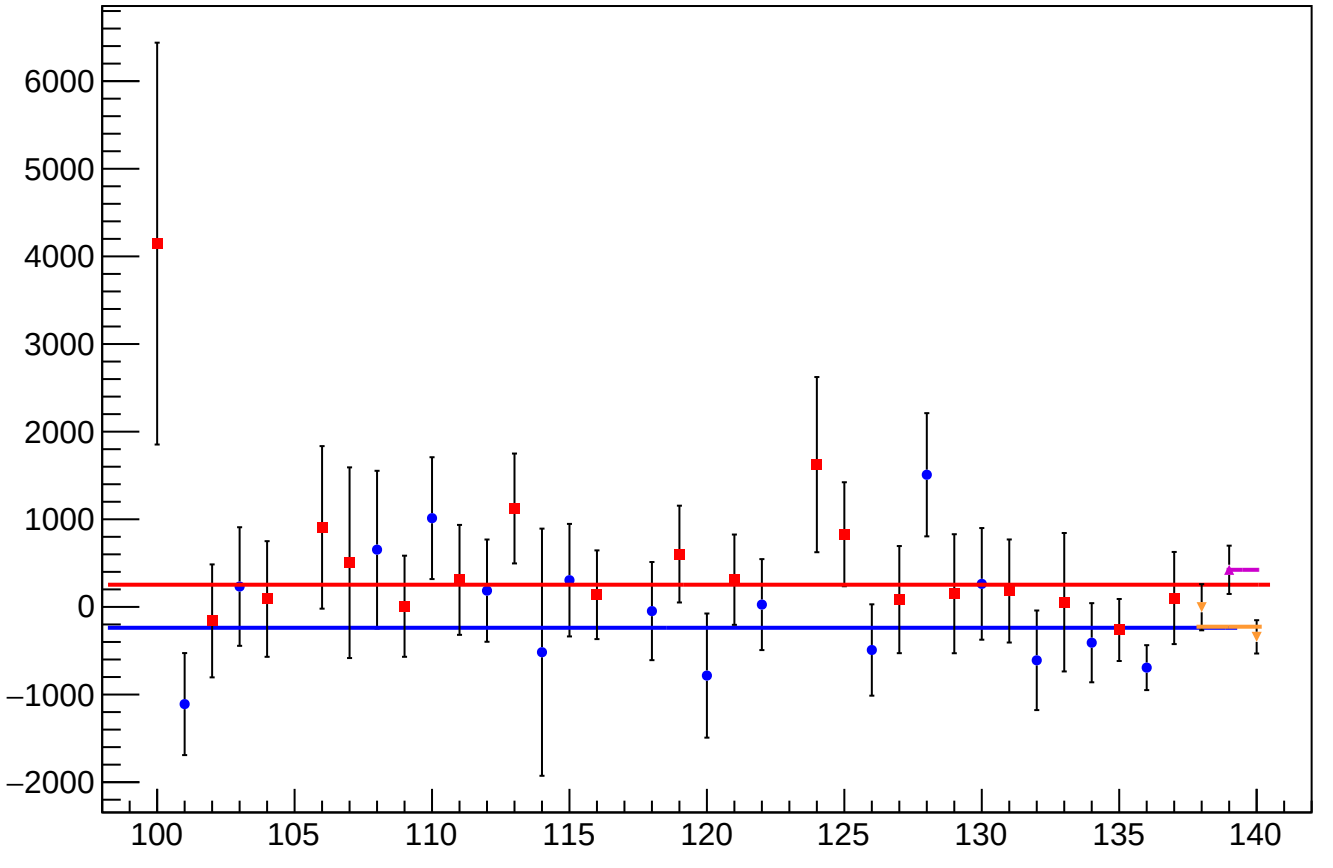
Left: 210.926+/-0.097 χ^2/NDF: 145218.8/2

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 340.635+/-0.089 χ^2/NDF:1299235.4/16

Out: 296.585+/-0.075 χ^2/NDF:2565522.2/20

All: 315.011+/-0.057 χ^2/NDF: 4007813.4/37



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -225.792+/-154.138 χ^2/NDF:1.1/1

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 423.488+/-275.533 χ^2/NDF:0.0/0

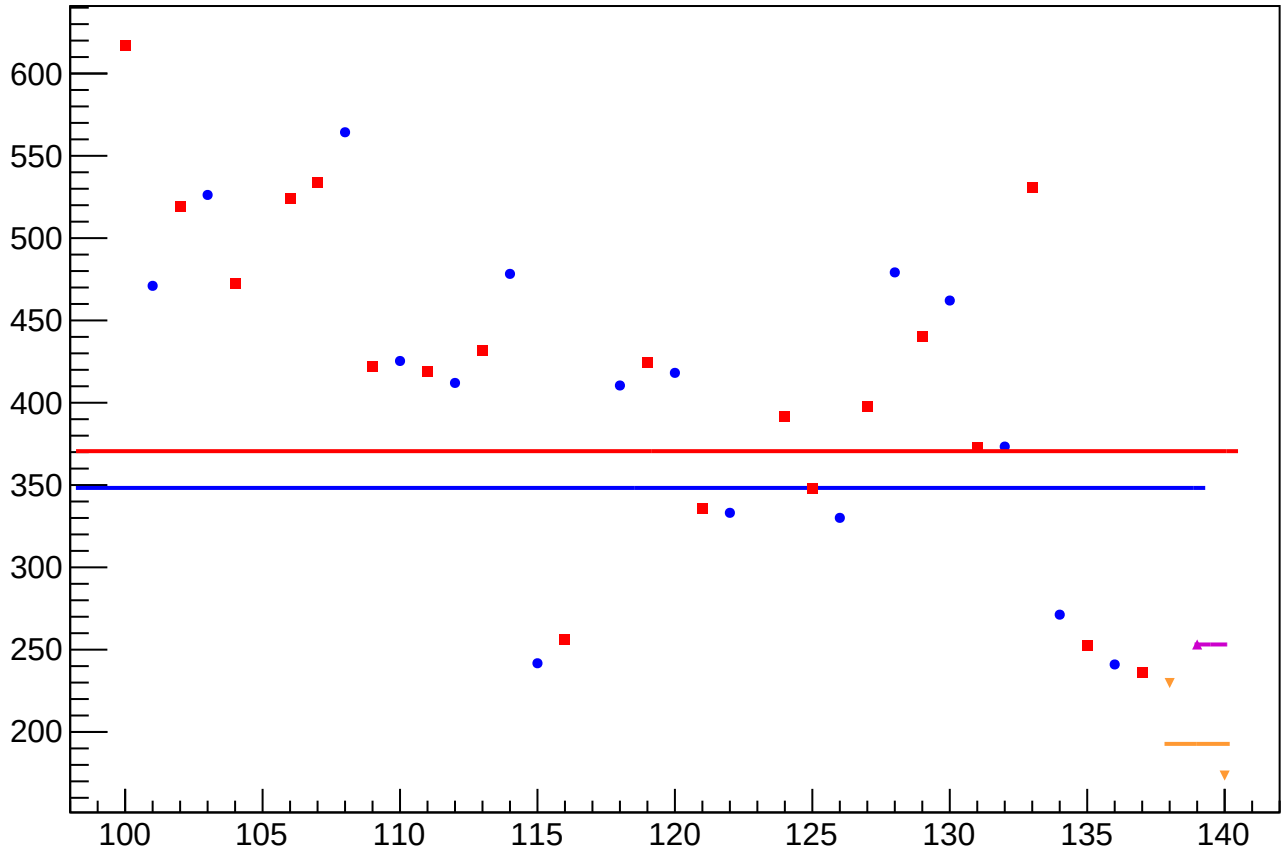
Left: -71.032+/-134.520 χ^2/NDF: 5.3/2

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -109.445+/-121.483 χ^2/NDF:24.6/16

Out: 36.108+/-103.801 χ^2/NDF:18.1/20

All: -25.315+/-78.917 χ^2/NDF: 43.5/37



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 192.758+/-0.109 χ^2/NDF:59913.9/1

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 253.149+/-0.195 χ^2/NDF:0.0/0

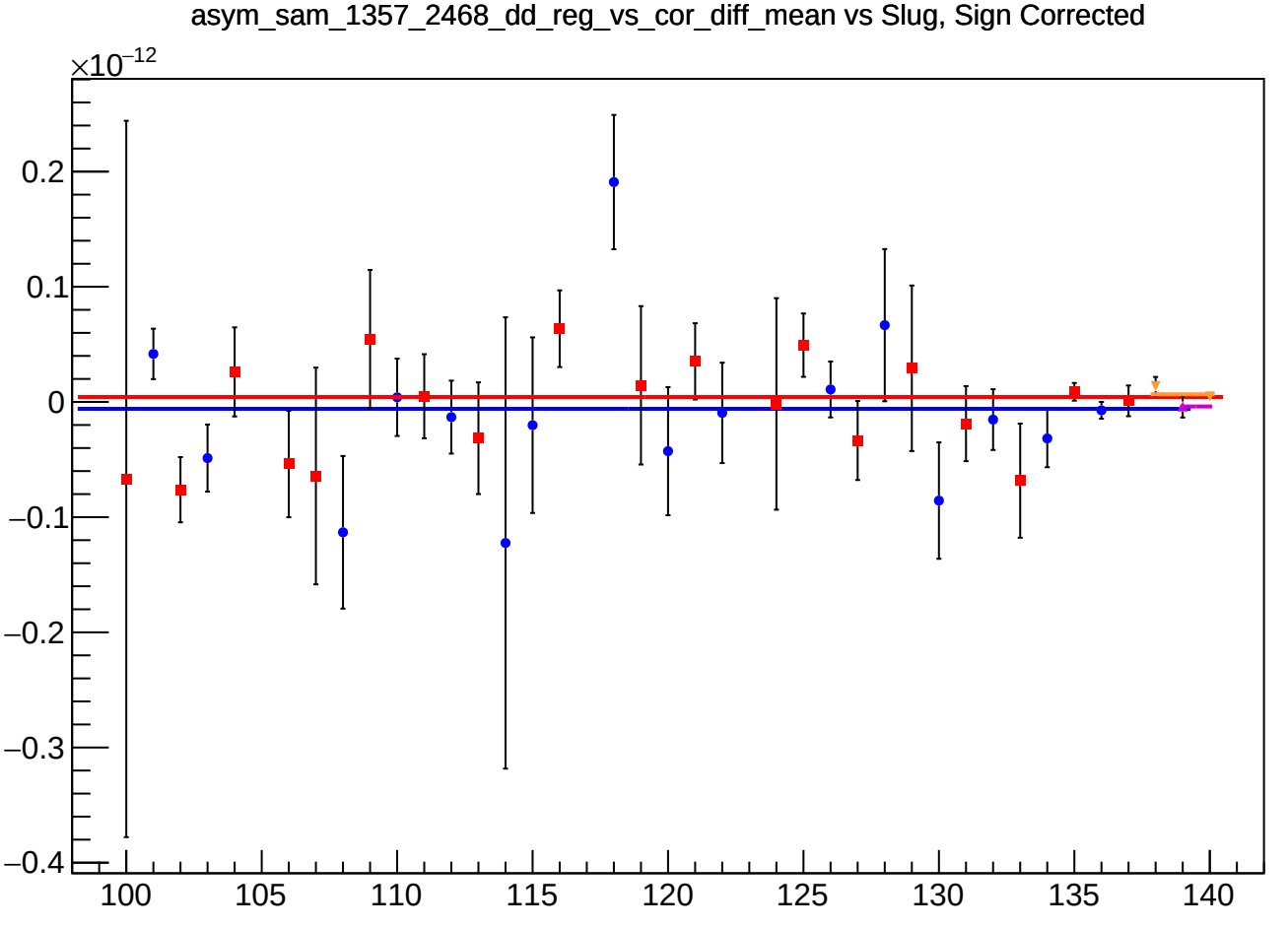
Left: 207.152+/-0.095 χ^2/NDF: 133091.1/2

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 329.765+/-0.086 χ^2/NDF:1248776.1/16

Out: 289.939+/-0.073 χ^2/NDF:2432585.4/20

All: 306.746+/-0.056 χ^2/NDF: 3805598.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 2.0/2

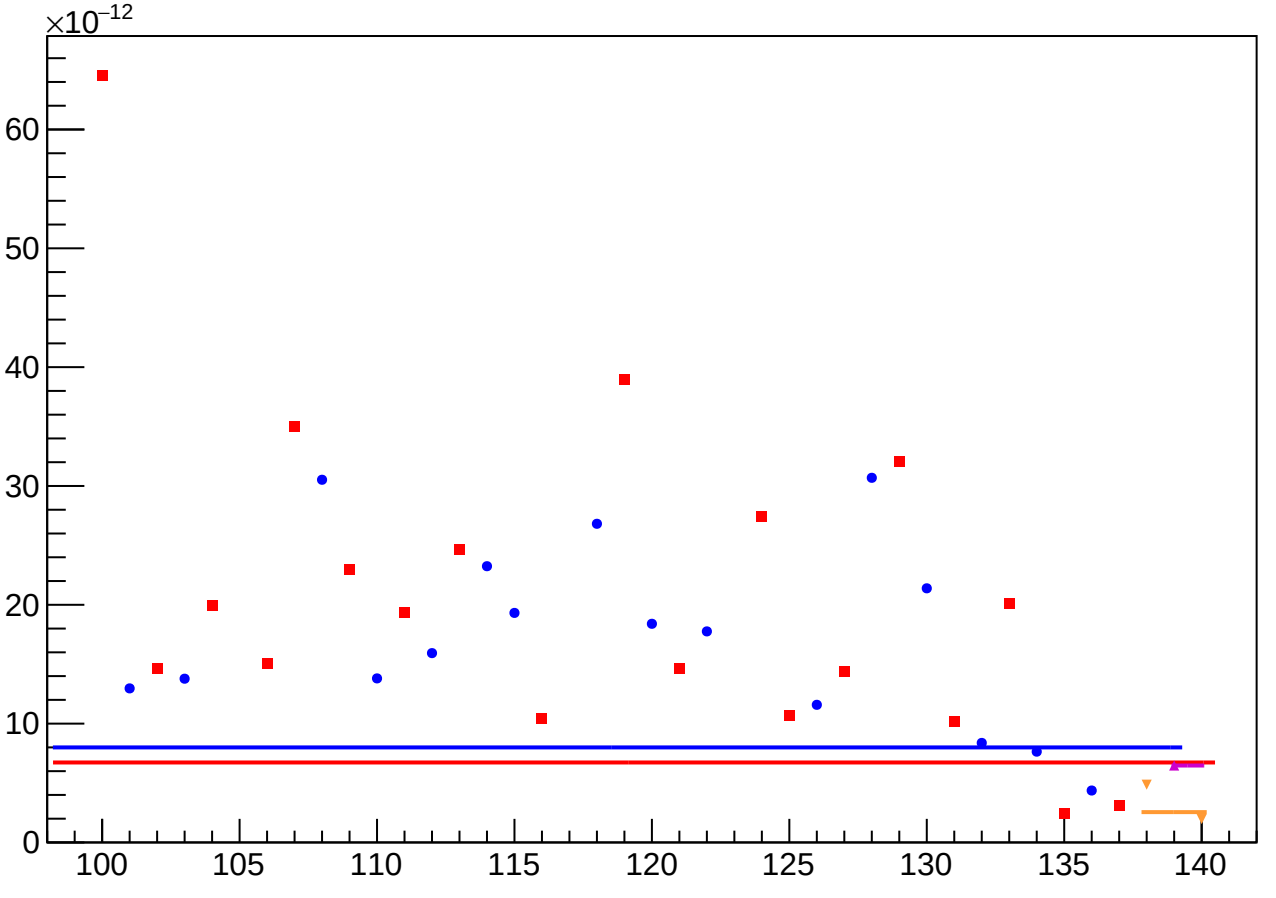
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:27.3/16

Out: 0.000+/-0.000 χ^2/NDF:24.1/20

All: 0.000+/-0.000 χ^2/NDF: 55.3/37

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:206985.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

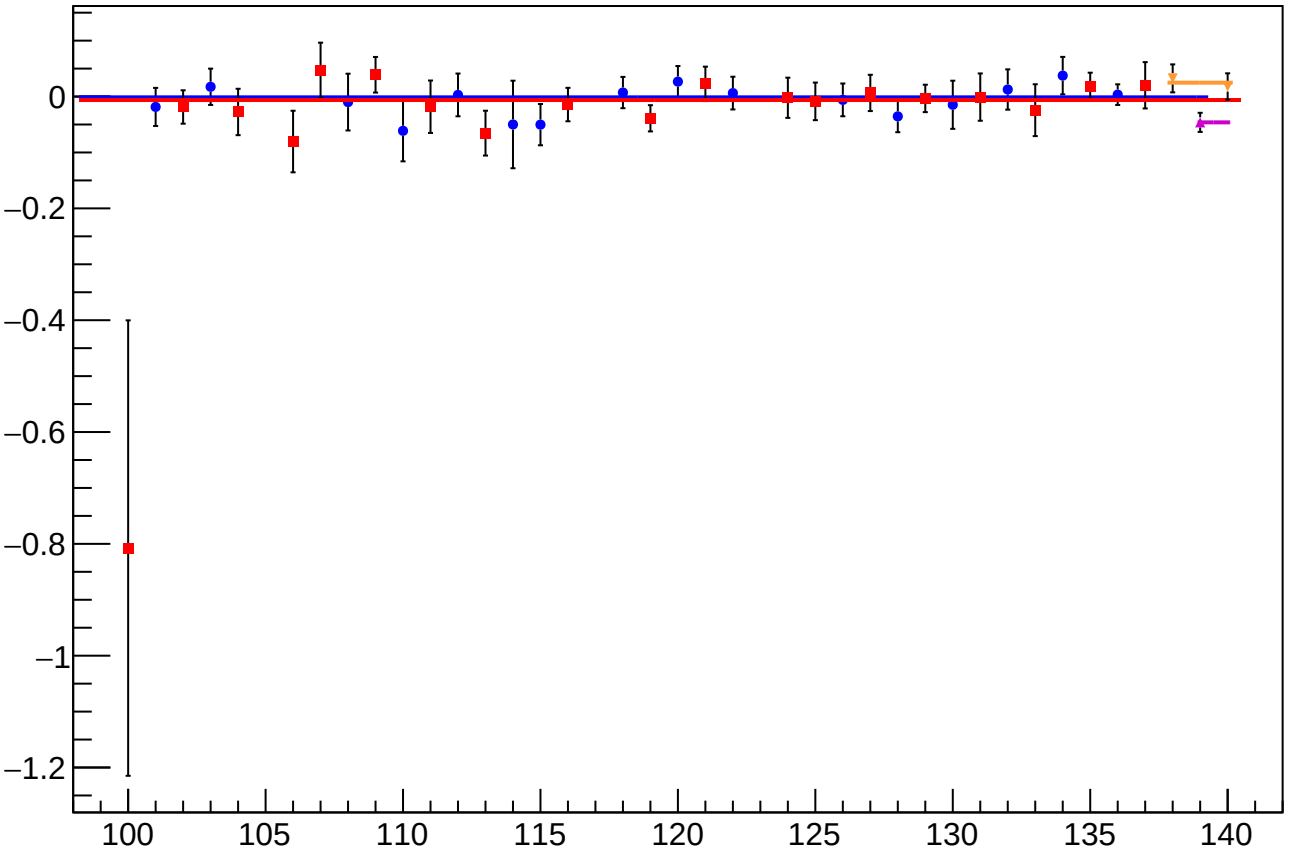
Left: 0.000+/-0.000 χ^2/NDF: 500314.1/2

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:1987198.5/16

Out: 0.000+/-0.000 χ^2/NDF:4380130.4/20

All: 0.000+/-0.000 χ^2/NDF: 7241460.8/37



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.025+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.046+/-0.017 χ^2/NDF:0.0/0

Left: -0.011+/-0.012 χ^2/NDF: 8.8/2

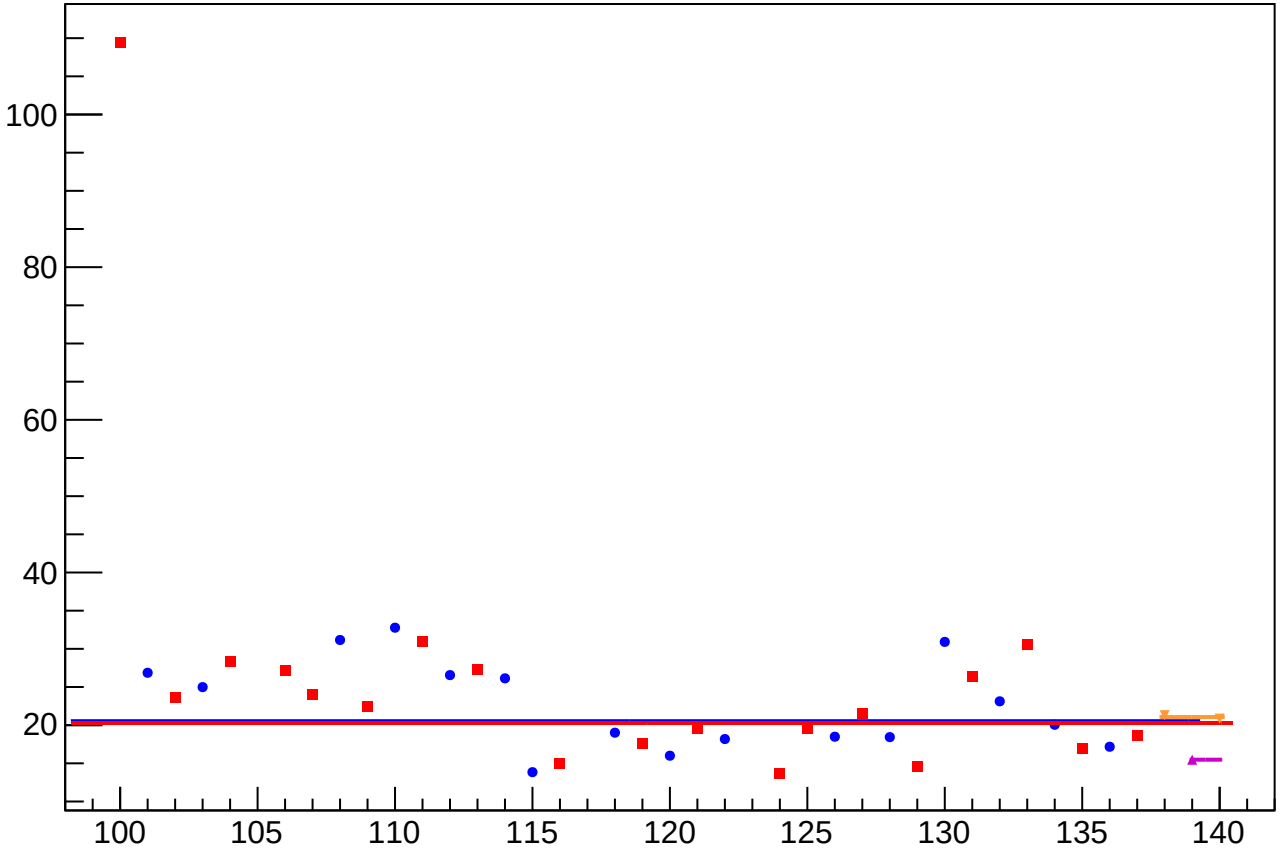
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.010+/-0.007 χ^2/NDF:13.9/16

Out: -0.001+/-0.007 χ^2/NDF:19.1/20

All: -0.005+/-0.005 χ^2/NDF: 33.7/37

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 21.063+/-0.012 χ^2/NDF:347.9/1

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.477+/-0.012 χ^2/NDF:0.0/0

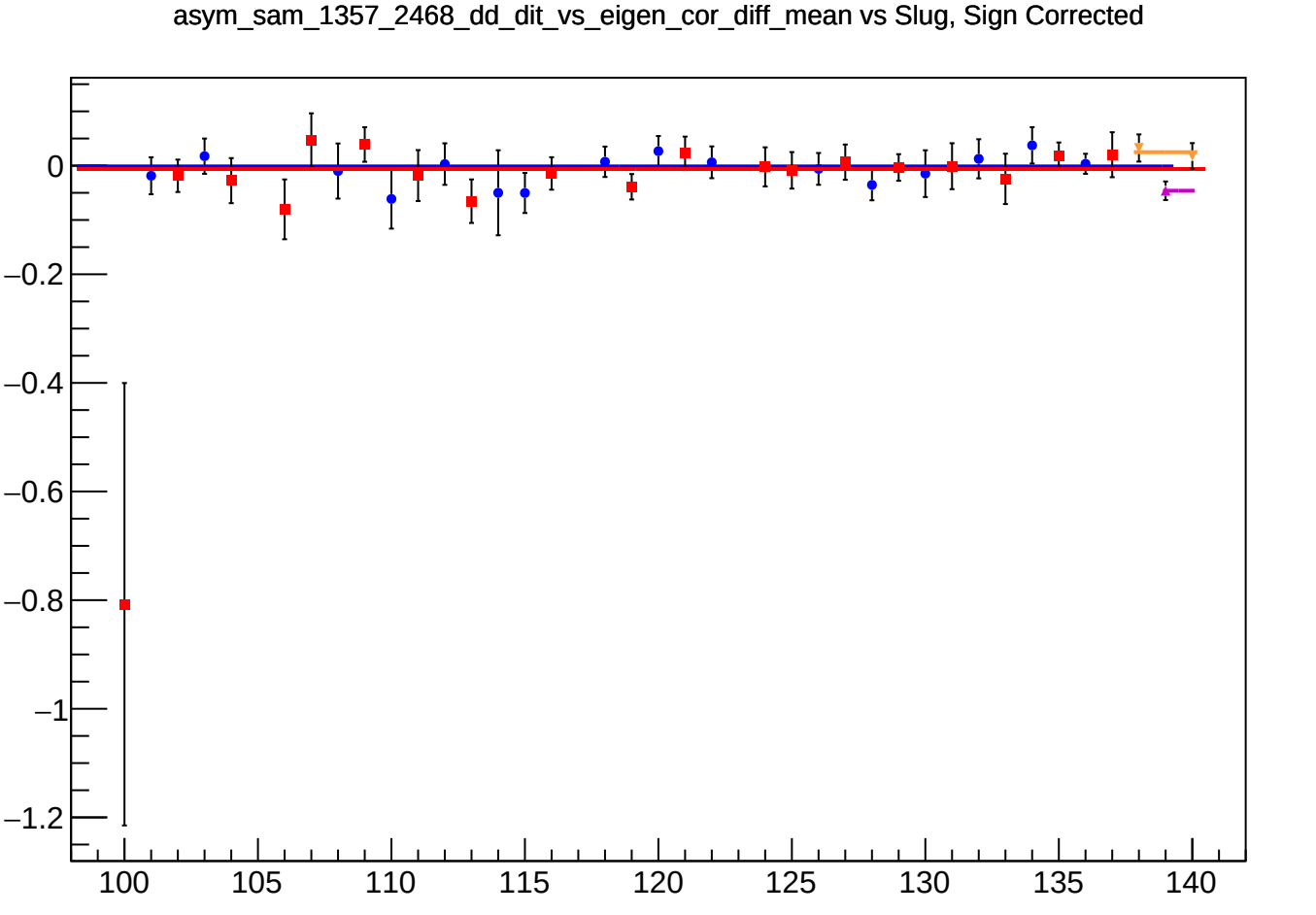
Left: 18.262+/-0.009 χ^2/NDF: 106716.1/2

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 19.605+/-0.005 χ^2/NDF:848380.5/16

Out: 20.418+/-0.005 χ^2/NDF:868126.9/20

All: 20.019+/-0.004 χ^2/NDF: 1729162.8/37



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.025+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.046+/-0.017 χ^2/NDF:0.0/0

Left: -0.011+/-0.012 χ^2/NDF: 8.8/2

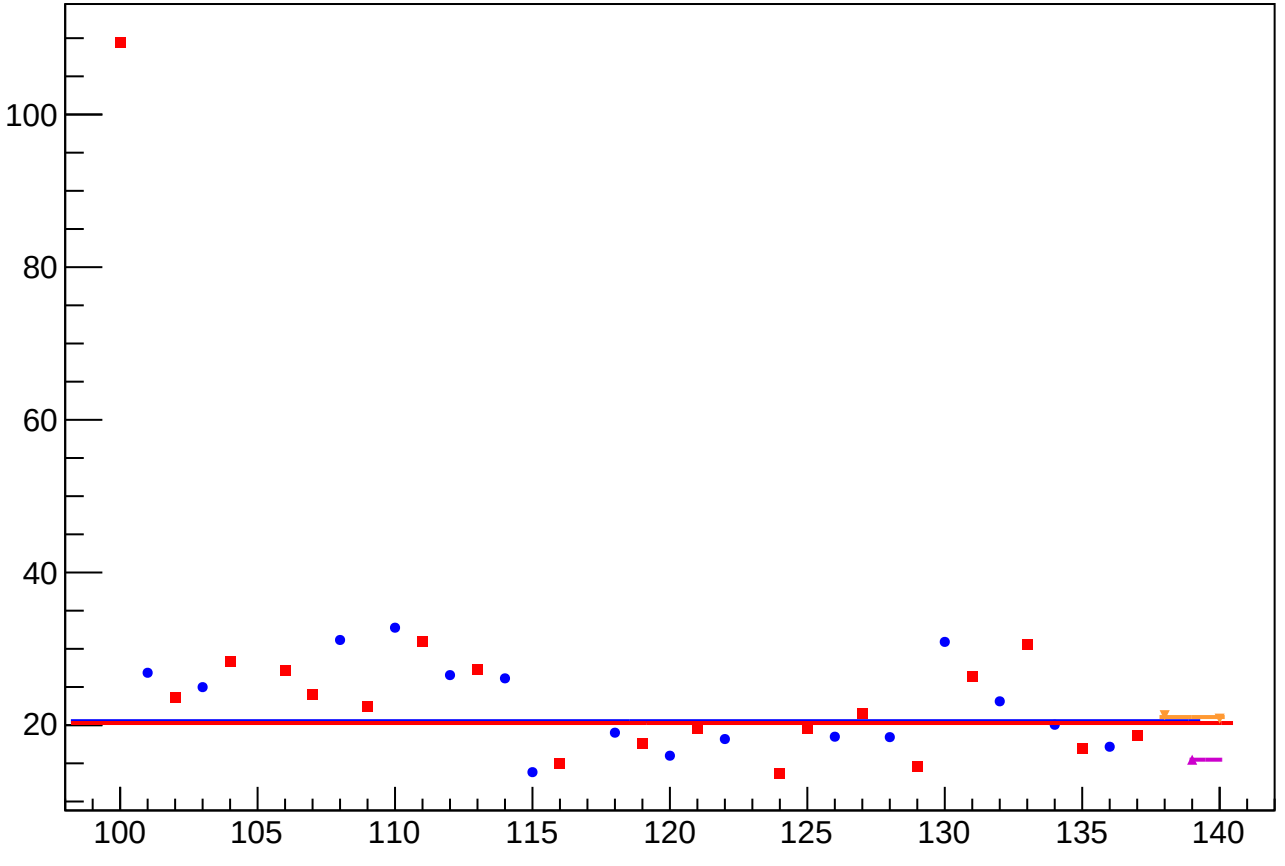
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.010+/-0.007 χ^2/NDF:13.9/16

Out: -0.001+/-0.007 χ^2/NDF:19.1/20

All: -0.005+/-0.005 χ^2/NDF: 33.7/37

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 21.063+/-0.012 χ^2/NDF:347.9/1

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.477+/-0.012 χ^2/NDF:0.0/0

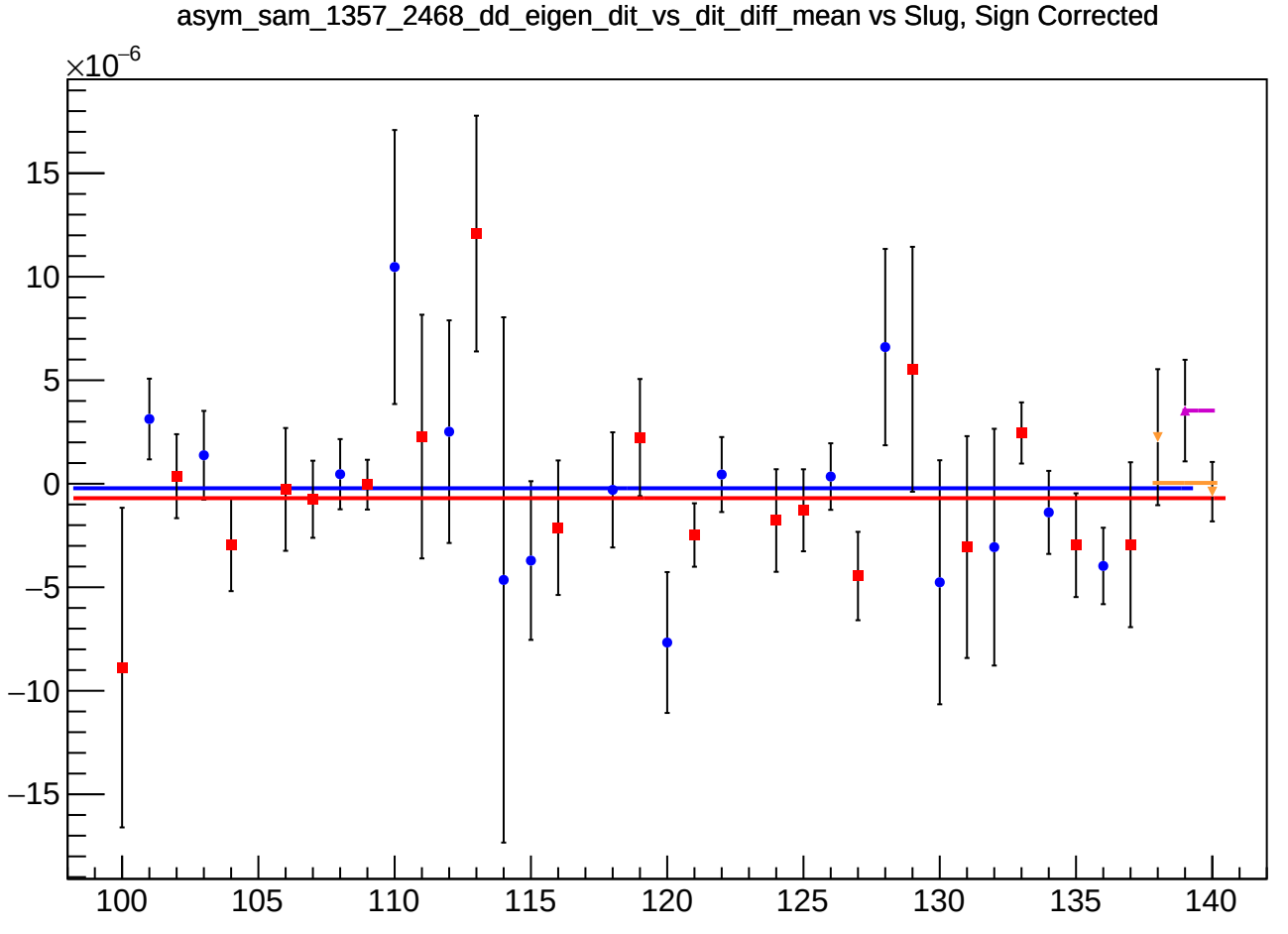
Left: 18.262+/-0.009 χ^2/NDF: 106716.1/2

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 19.605+/-0.005 χ^2/NDF:848380.5/16

Out: 20.418+/-0.005 χ^2/NDF:868126.9/20

All: 20.019+/-0.004 χ^2/NDF: 1729162.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

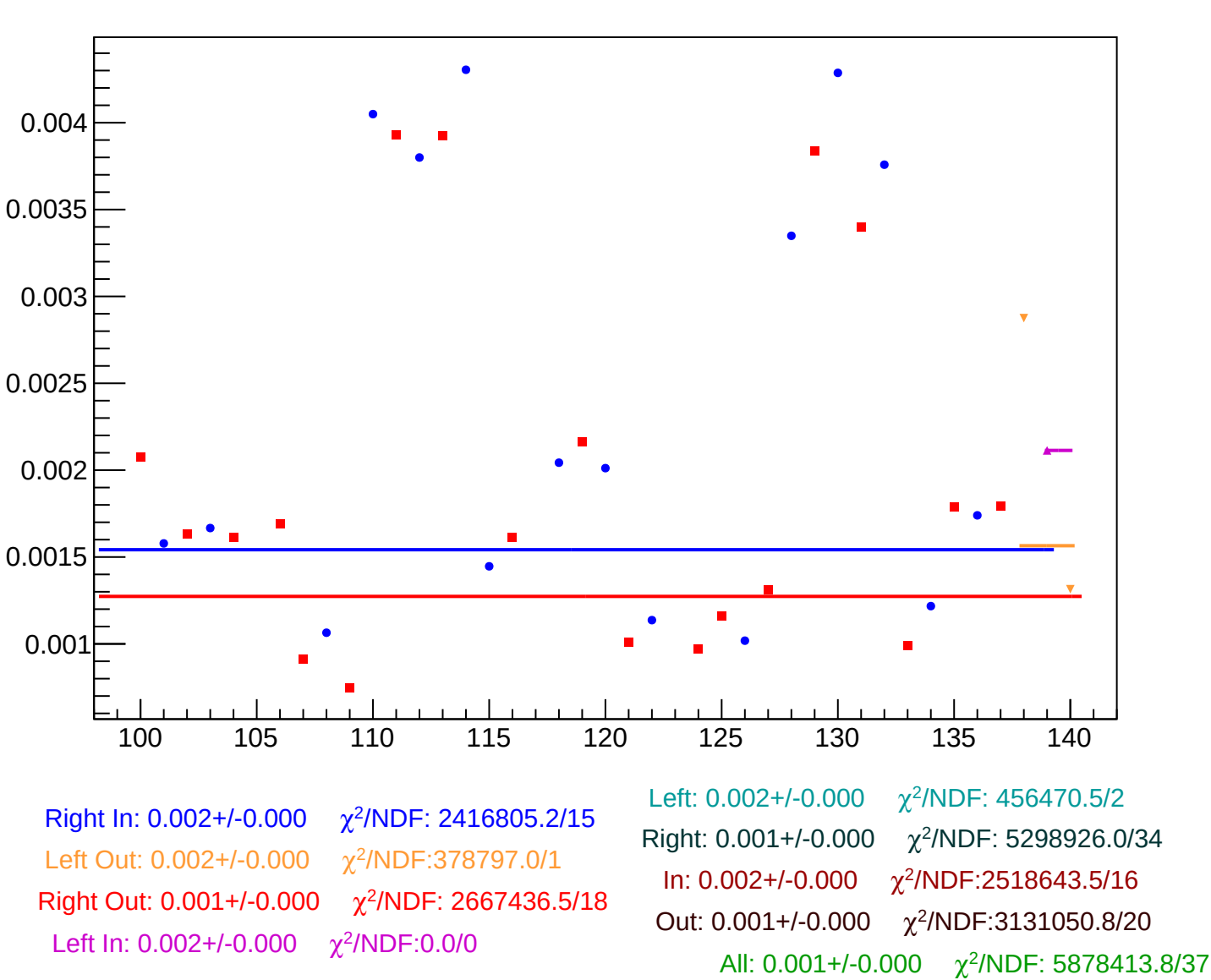
Left: 0.000+/-0.000 χ^2/NDF: 2.1/2

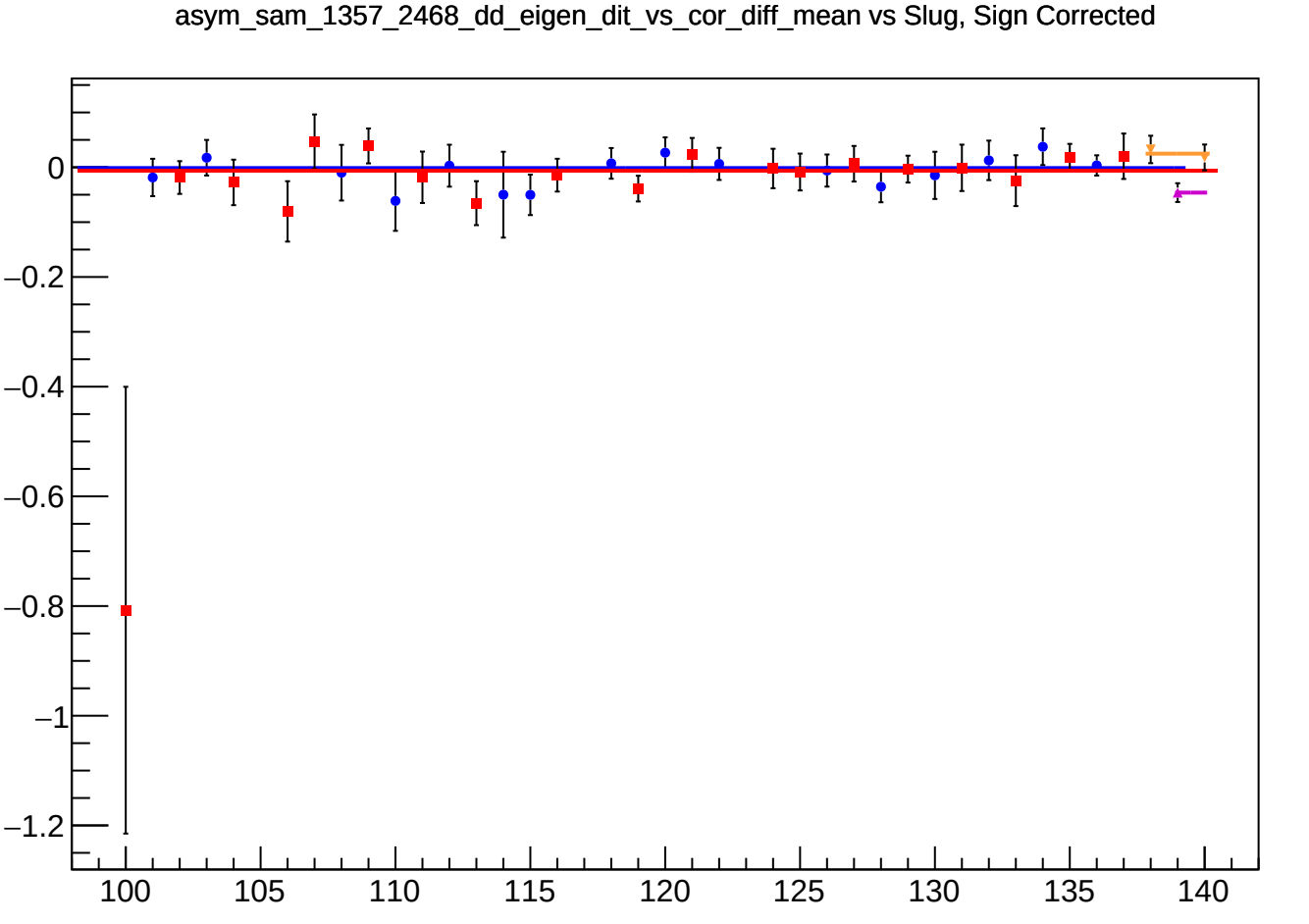
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:22.1/16

Out: -0.000+/-0.000 χ^2/NDF:21.8/20

All: -0.000+/-0.000 χ^2/NDF: 44.5/37


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
105
110
115
120
125
130
135
140
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.002+/-0.000 χ²/NDF:378797.0/1
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.002+/-0.000 χ²/NDF:0.0/0
Left: 0.002+/-0.000 χ²/NDF: 456470.5/2
Right: 0.001+/-0.000 χ²/NDF: 5298926.0/34
In: 0.002+/-0.000 χ²/NDF:2518643.5/16
Out: 0.001+/-0.000 χ²/NDF:3131050.8/20
All: 0.001+/-0.000 χ²/NDF: 5878413.8/37



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.025+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.046+/-0.017 χ^2/NDF:0.0/0

Left: -0.011+/-0.012 χ^2/NDF: 8.8/2

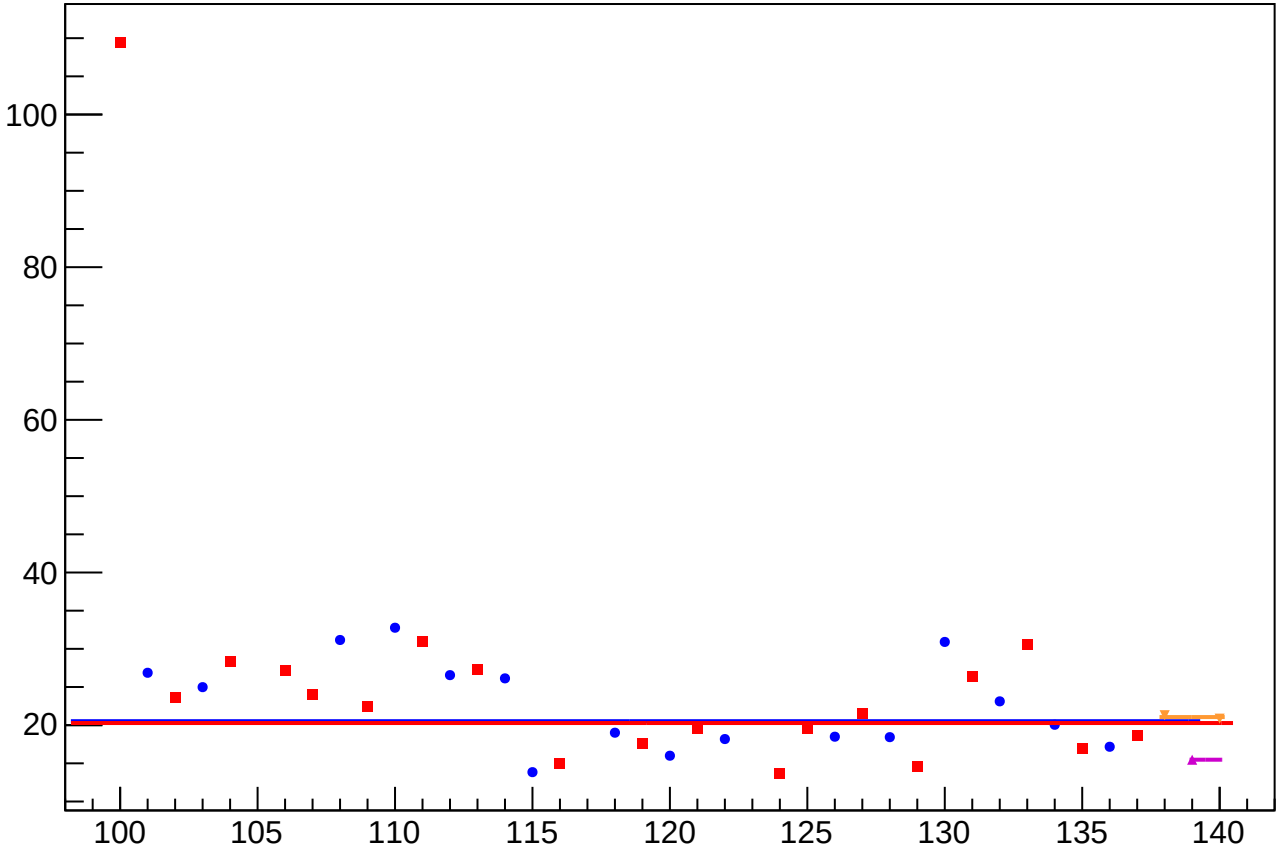
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.010+/-0.007 χ^2/NDF:13.9/16

Out: -0.001+/-0.007 χ^2/NDF:19.1/20

All: -0.005+/-0.005 χ^2/NDF: 33.7/37

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 21.062+/-0.012 χ^2/NDF:346.1/1

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.476+/-0.012 χ^2/NDF:0.0/0

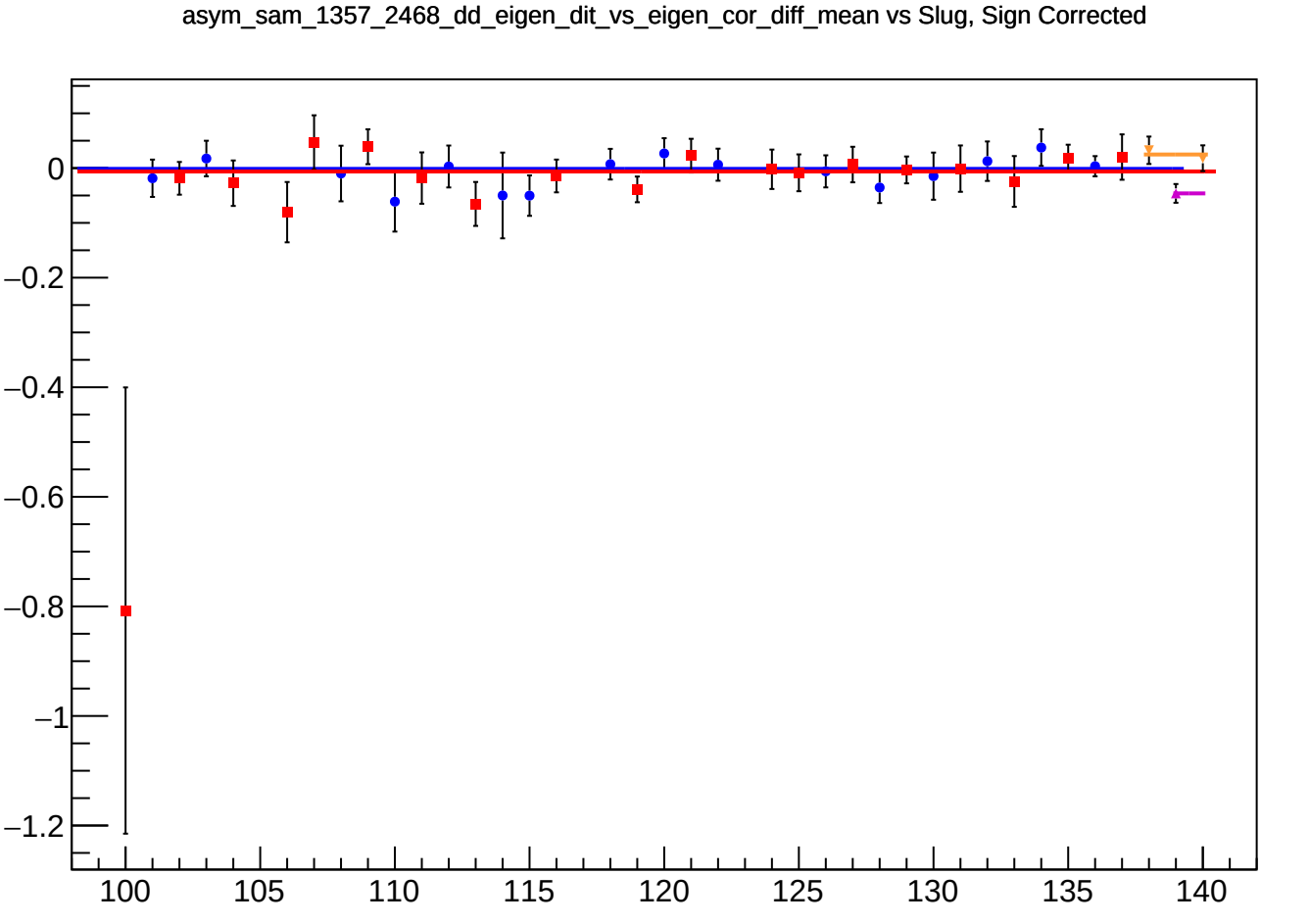
Left: 18.261+/-0.009 χ^2/NDF: 106745.0/2

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 19.604+/-0.005 χ^2/NDF:848300.7/16

Out: 20.417+/-0.005 χ^2/NDF:868136.2/20

All: 20.018+/-0.004 χ^2/NDF: 1729094.3/37



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.025+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.046+/-0.017 χ^2/NDF:0.0/0

Left: -0.011+/-0.012 χ^2/NDF: 8.8/2

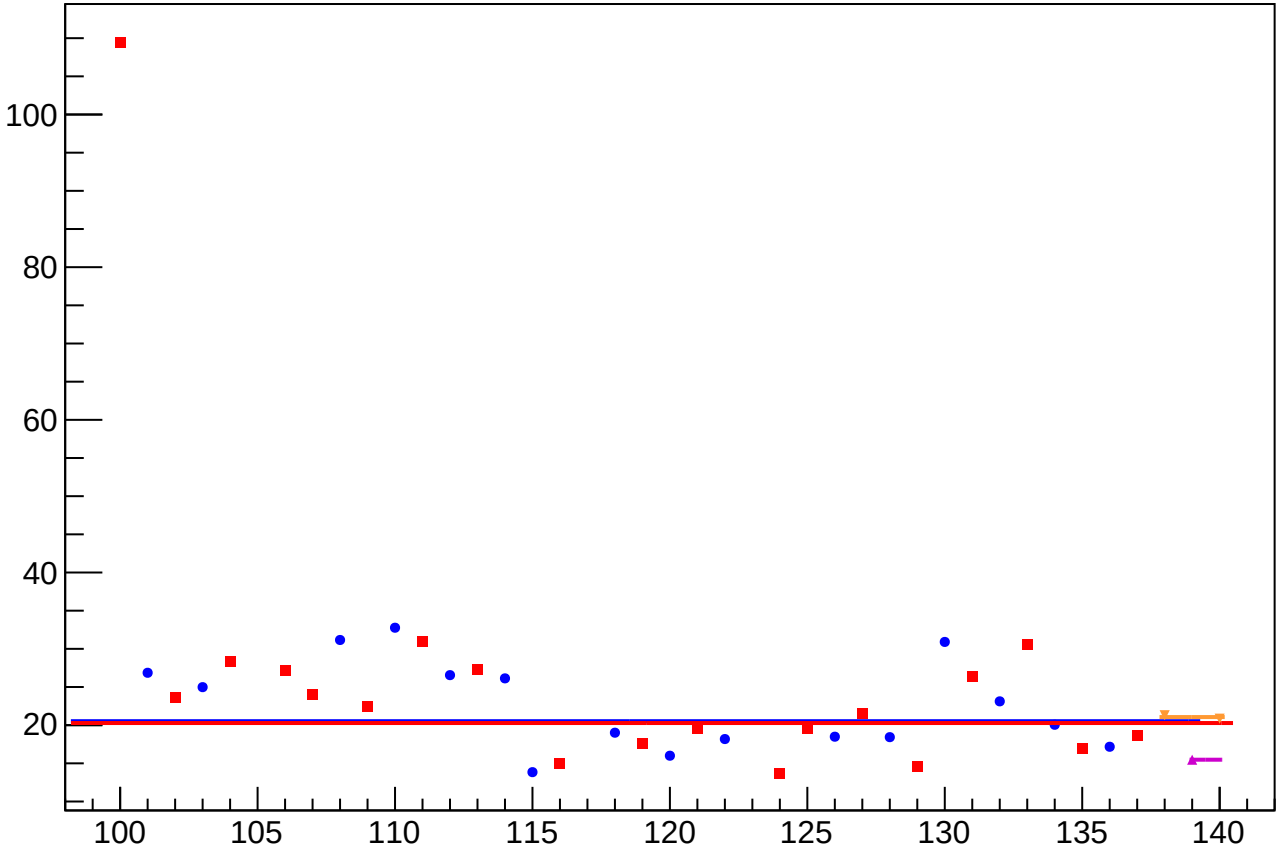
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.010+/-0.007 χ^2/NDF:13.9/16

Out: -0.001+/-0.007 χ^2/NDF:19.1/20

All: -0.005+/-0.005 χ^2/NDF: 33.7/37

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 21.062+/-0.012 χ^2/NDF:346.1/1

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.476+/-0.012 χ^2/NDF:0.0/0

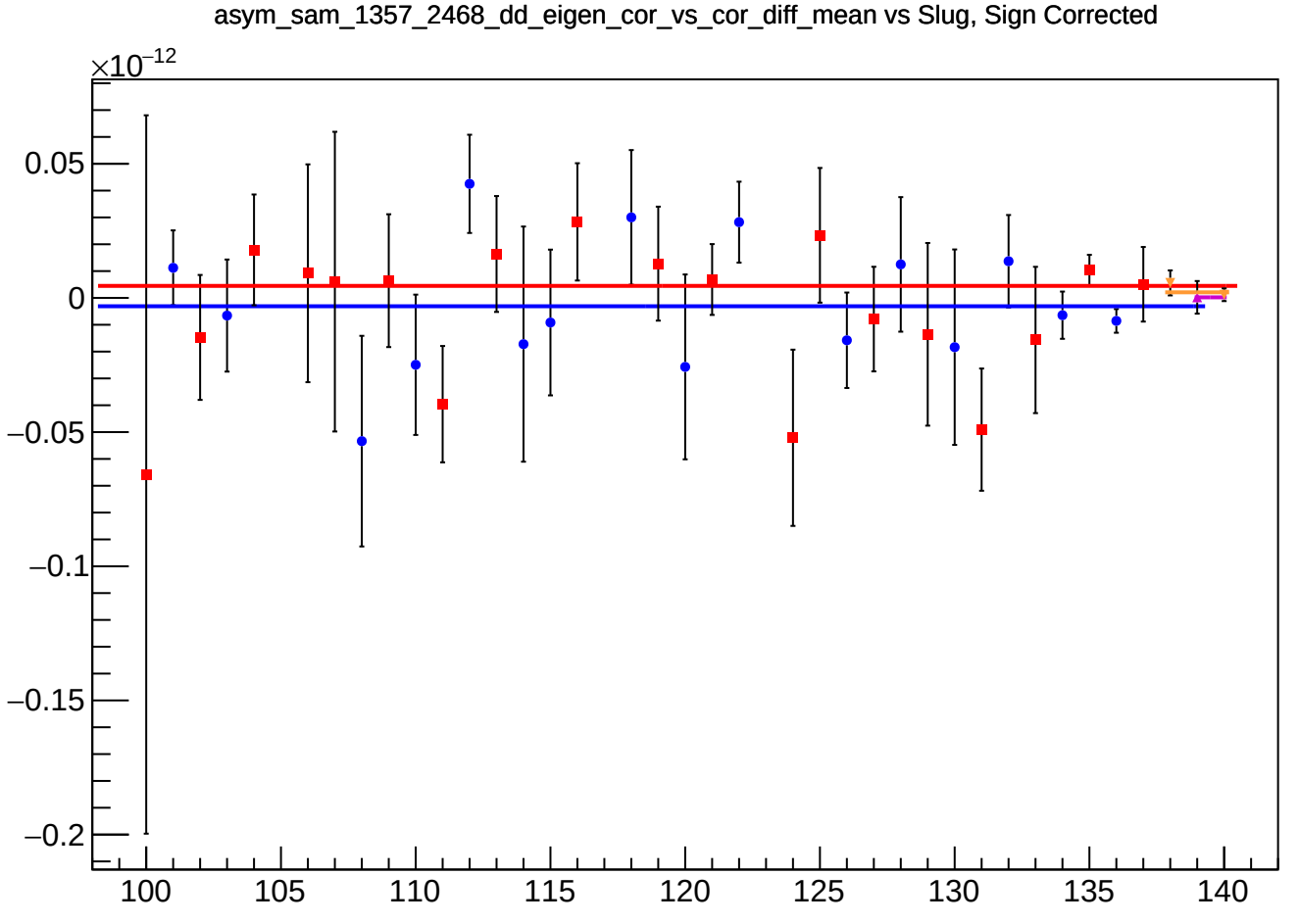
Left: 18.261+/-0.009 χ^2/NDF: 106745.0/2

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 19.604+/-0.005 χ^2/NDF:848300.7/16

Out: 20.417+/-0.005 χ^2/NDF:868136.2/20

All: 20.018+/-0.004 χ^2/NDF: 1729094.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

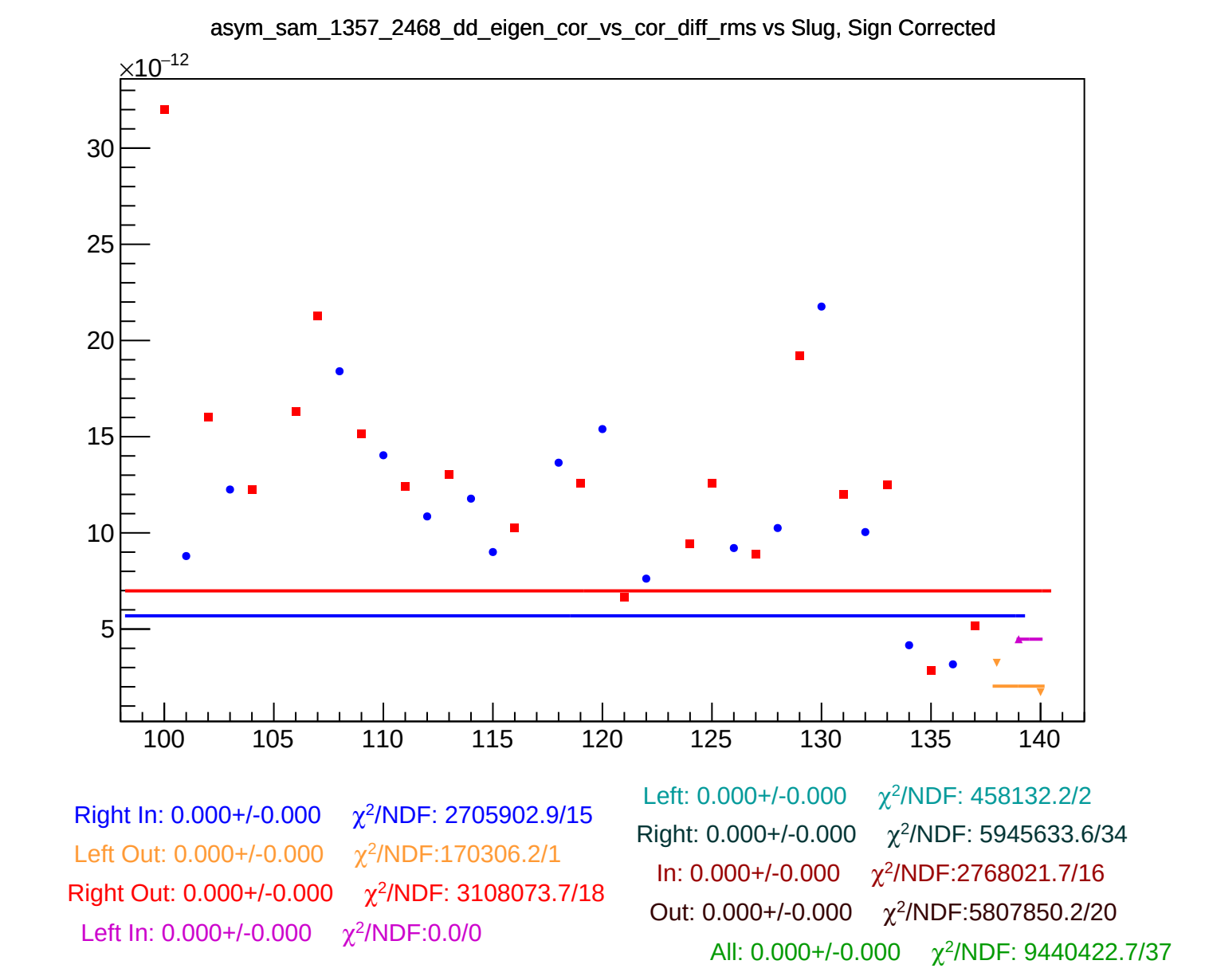
Left: 0.000+/-0.000 χ^2/NDF: 0.8/2

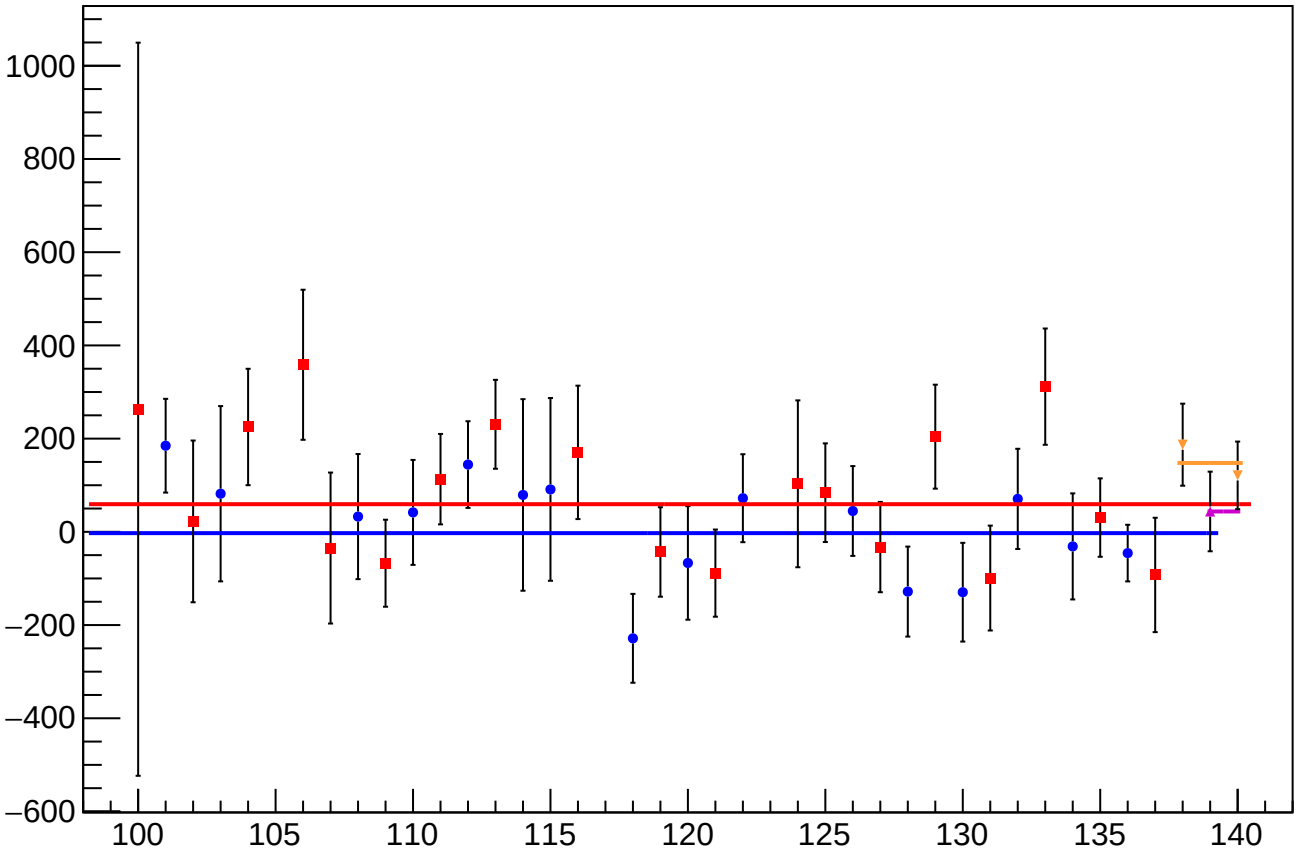
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:20.2/16

Out: 0.000+/-0.000 χ^2/NDF:19.6/20

All: 0.000+/-0.000 χ^2/NDF: 42.0/37


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:170306.2/1
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 458132.2/2
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:2768021.7/16
Out: 0.000+/-0.000 χ²/NDF:5807850.2/20
All: 0.000+/-0.000 χ²/NDF: 9440422.7/37



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 147.805+/-55.955 χ^2/NDF:0.3/1

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 43.707+/-85.412 χ^2/NDF:0.0/0

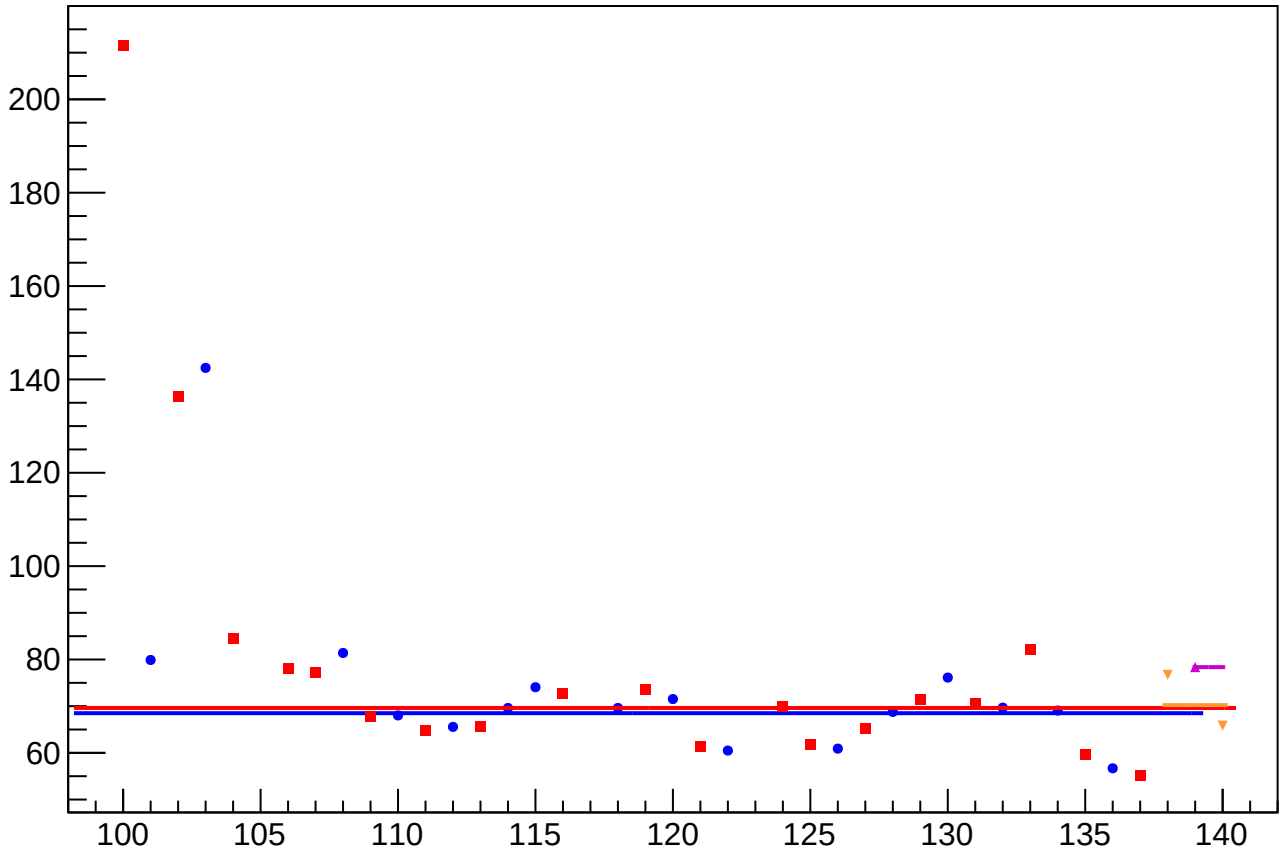
Left: 116.545+/-46.805 χ^2/NDF: 1.4/2

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 1.234+/-25.059 χ^2/NDF:18.0/16

Out: 75.437+/-23.863 χ^2/NDF:28.1/20

All: 40.149+/-17.281 χ^2/NDF: 50.7/37



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 70.229+/-0.040 χ^2/NDF:18184.4/1

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 78.371+/-0.060 χ^2/NDF:0.0/0

Left: 72.674+/-0.033 χ^2/NDF: 30901.4/2

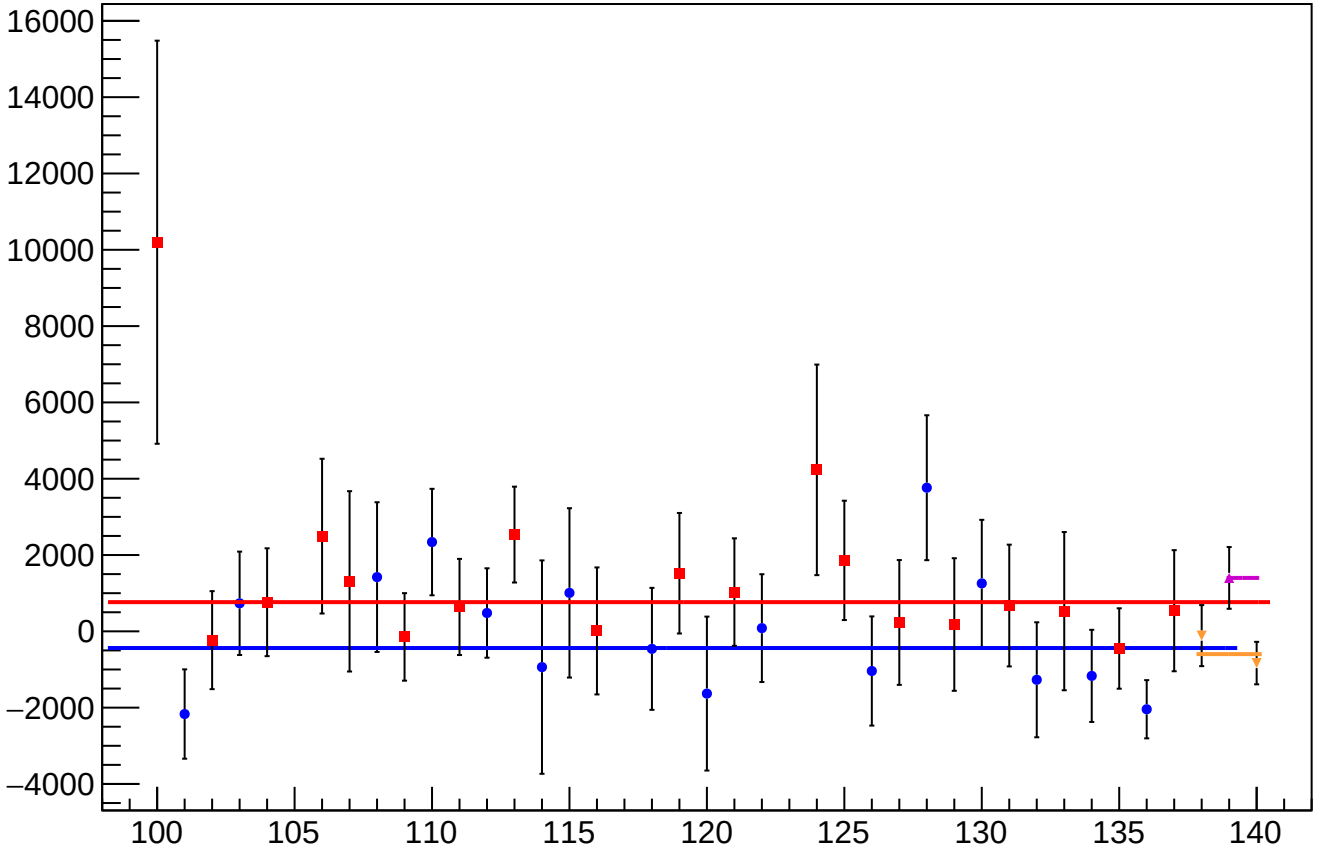
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 69.348+/-0.018 χ^2/NDF:496283.6/16

Out: 69.730+/-0.017 χ^2/NDF:538781.9/20

All: 69.549+/-0.012 χ^2/NDF: 1035309.4/37

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -597.104+/-457.052 χ^2/NDF:0.5/1

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 1400.220+/-809.071 χ^2/NDF:0.0/0

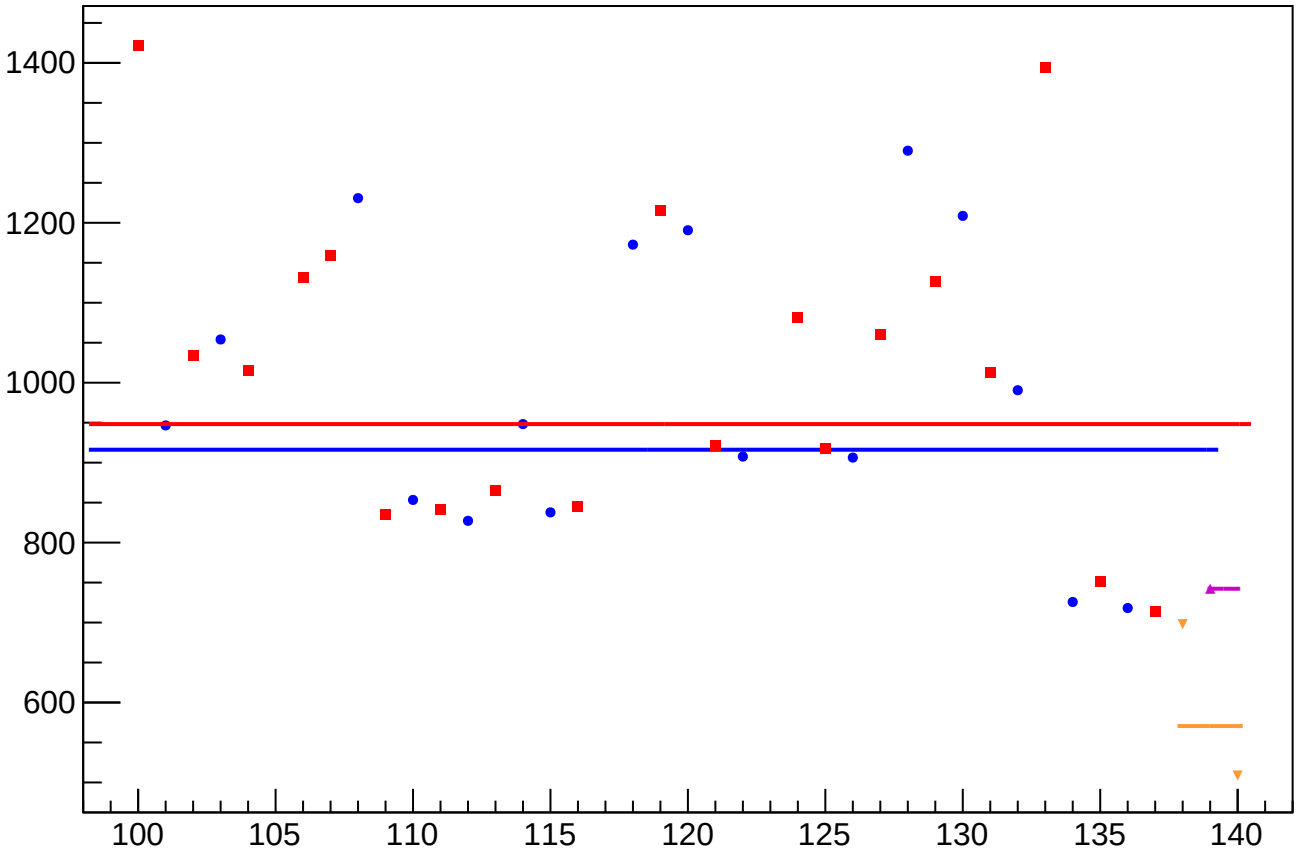
Left: -113.910+/-397.945 χ^2/NDF: 5.2/2

Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: -149.320+/-320.364 χ^2/NDF:24.9/16

Out: 256.191+/-279.402 χ^2/NDF:17.4/20

All: 81.002+/-210.570 χ^2/NDF: 43.2/37



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 570.546+/-0.323 χ^2/NDF:75446.7/1

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 742.311+/-0.572 χ^2/NDF:0.0/0

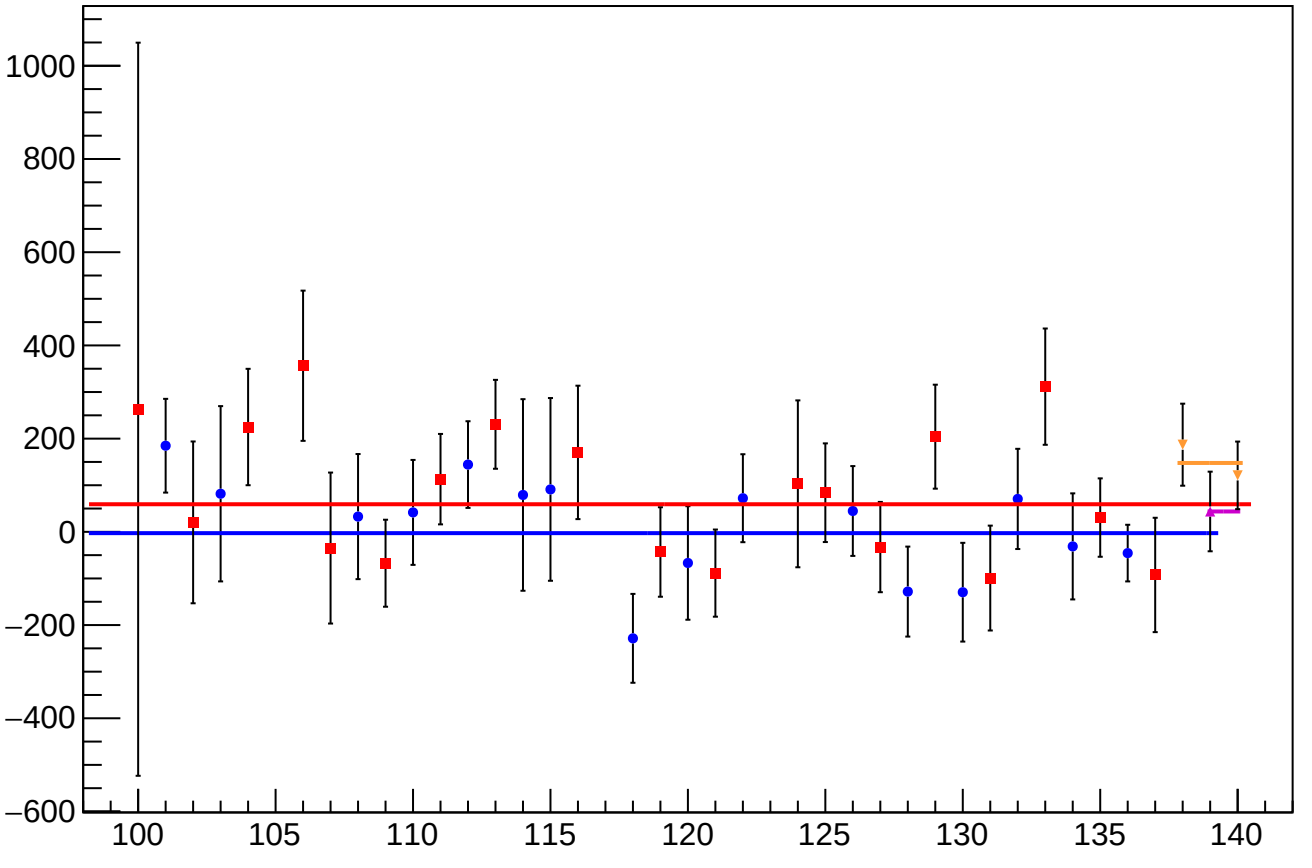
Left: 612.099+/-0.281 χ^2/NDF: 143781.4/2

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 888.911+/-0.227 χ^2/NDF:587000.0/16

Out: 807.092+/-0.198 χ^2/NDF:1345998.6/20

All: 842.439+/-0.149 χ^2/NDF: 2007094.0/37



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 147.816+/-55.955 χ^2/NDF:0.3/1

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 43.715+/-85.412 χ^2/NDF:0.0/0

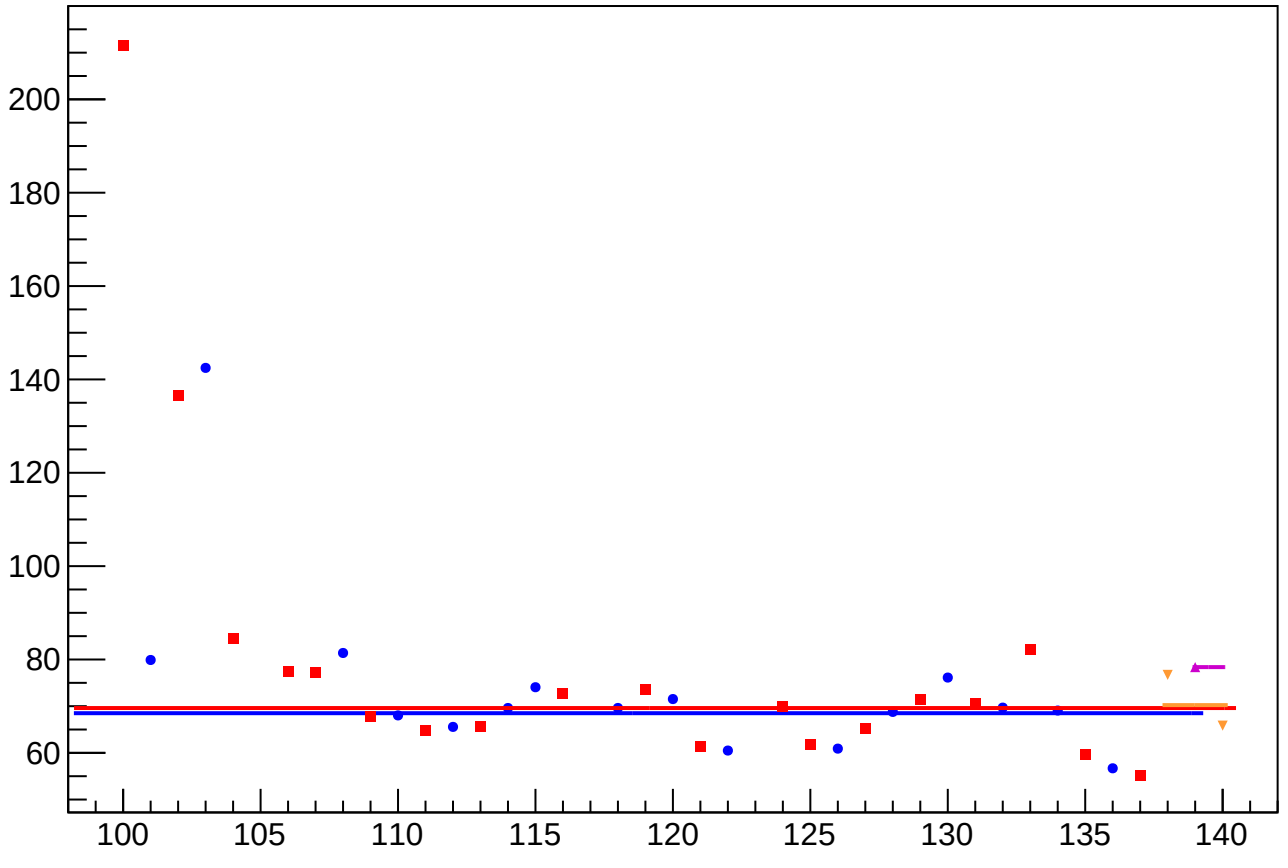
Left: 116.554+/-46.805 χ^2/NDF: 1.4/2

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 1.229+/-25.059 χ^2/NDF:18.0/16

Out: 75.340+/-23.864 χ^2/NDF:28.0/20

All: 40.094+/-17.281 χ^2/NDF: 50.6/37



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 70.229+/-0.040 χ^2/NDF:18184.4/1

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 78.371+/-0.060 χ^2/NDF:0.0/0

Left: 72.674+/-0.033 χ^2/NDF: 30901.4/2

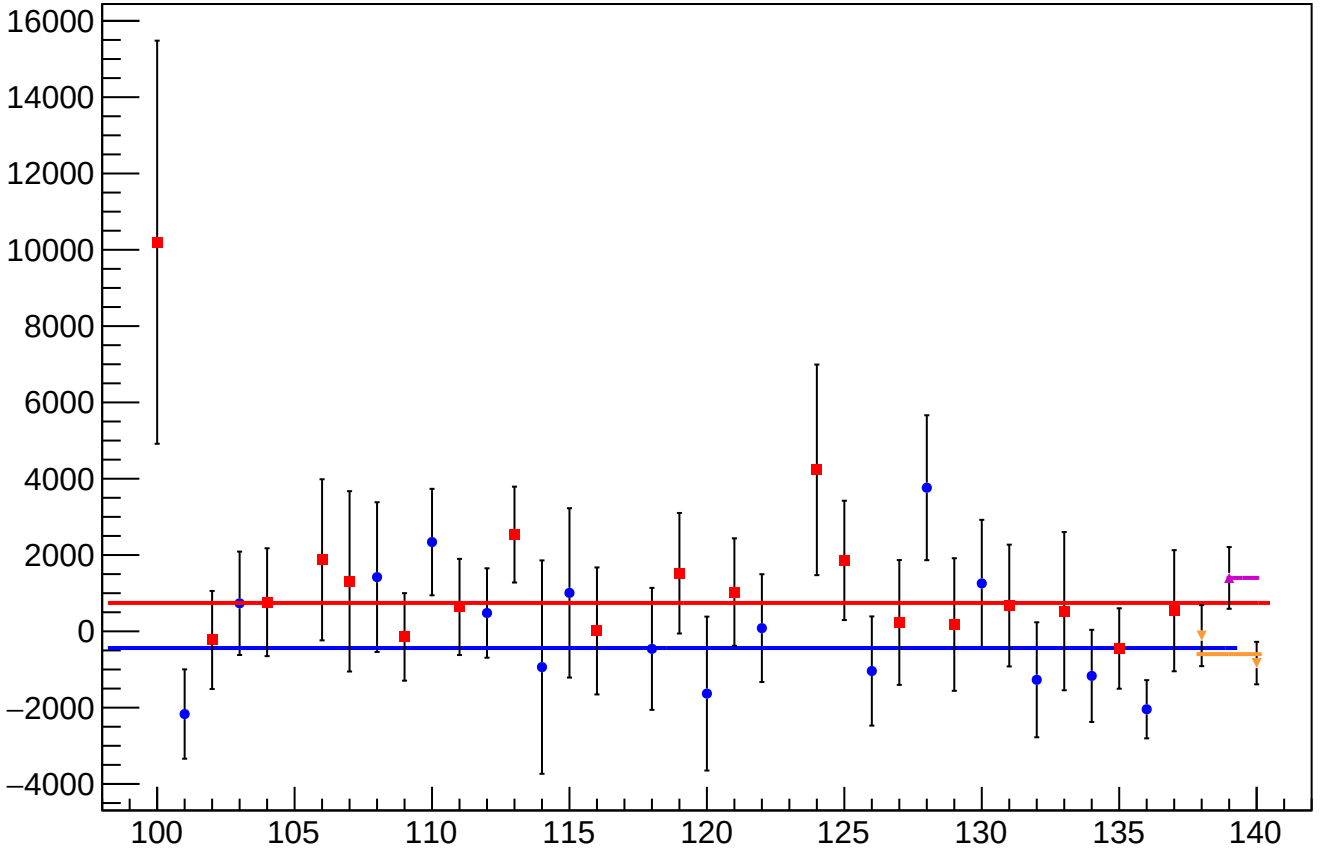
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 69.348+/-0.018 χ^2/NDF:496286.7/16

Out: 69.715+/-0.017 χ^2/NDF:538179.4/20

All: 69.540+/-0.012 χ^2/NDF: 1034690.2/37

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -597.093+/-457.052 χ^2/NDF:0.5/1

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 1400.230+/-809.070 χ^2/NDF:0.0/0

Left: -113.900+/-397.945 χ^2/NDF: 5.2/2

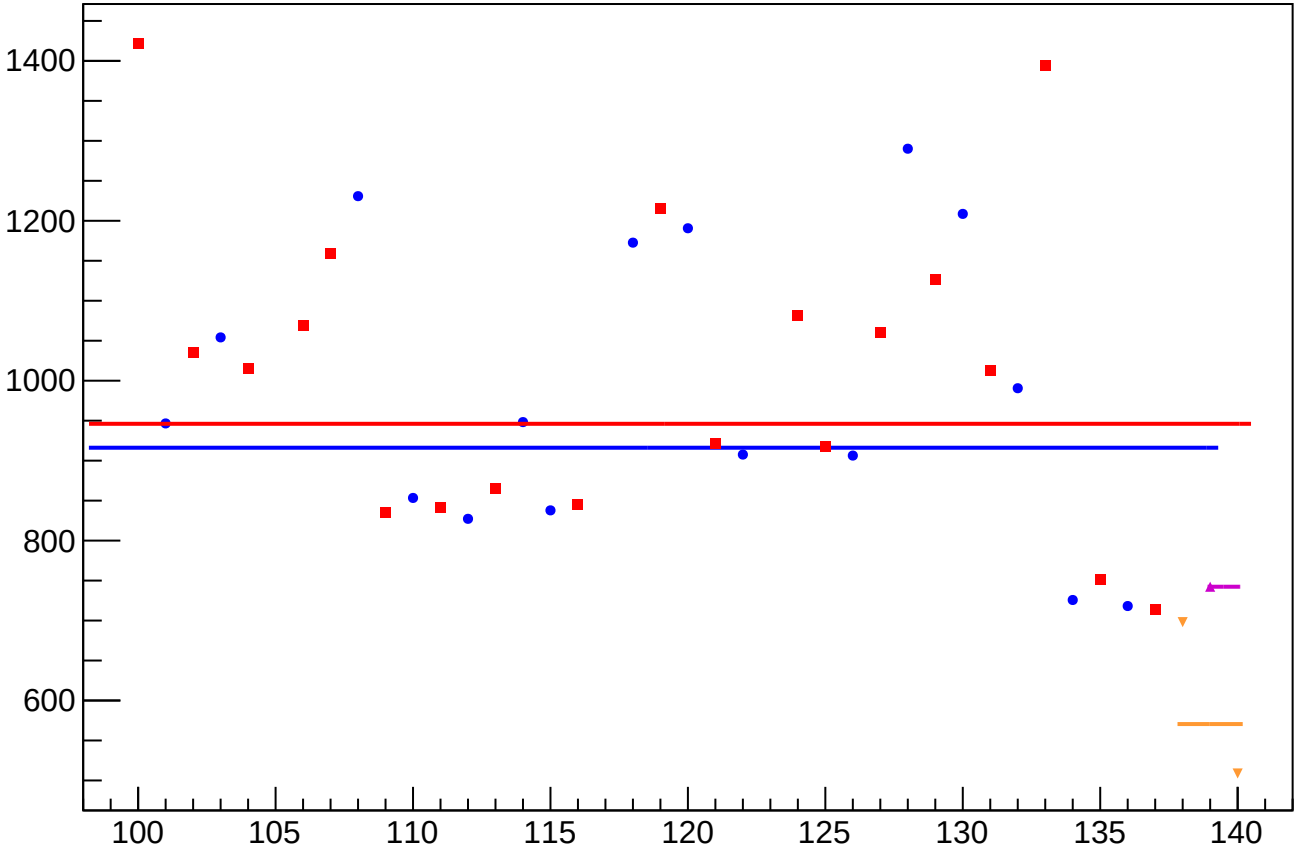
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -149.290+/-320.365 χ^2/NDF:24.9/16

Out: 242.297+/-279.617 χ^2/NDF:16.8/20

All: 72.976+/-210.662 χ^2/NDF: 42.5/37

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: 570.545+/-0.323 χ^2/NDF:75446.7/1

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 742.310+/-0.572 χ^2/NDF:0.0/0

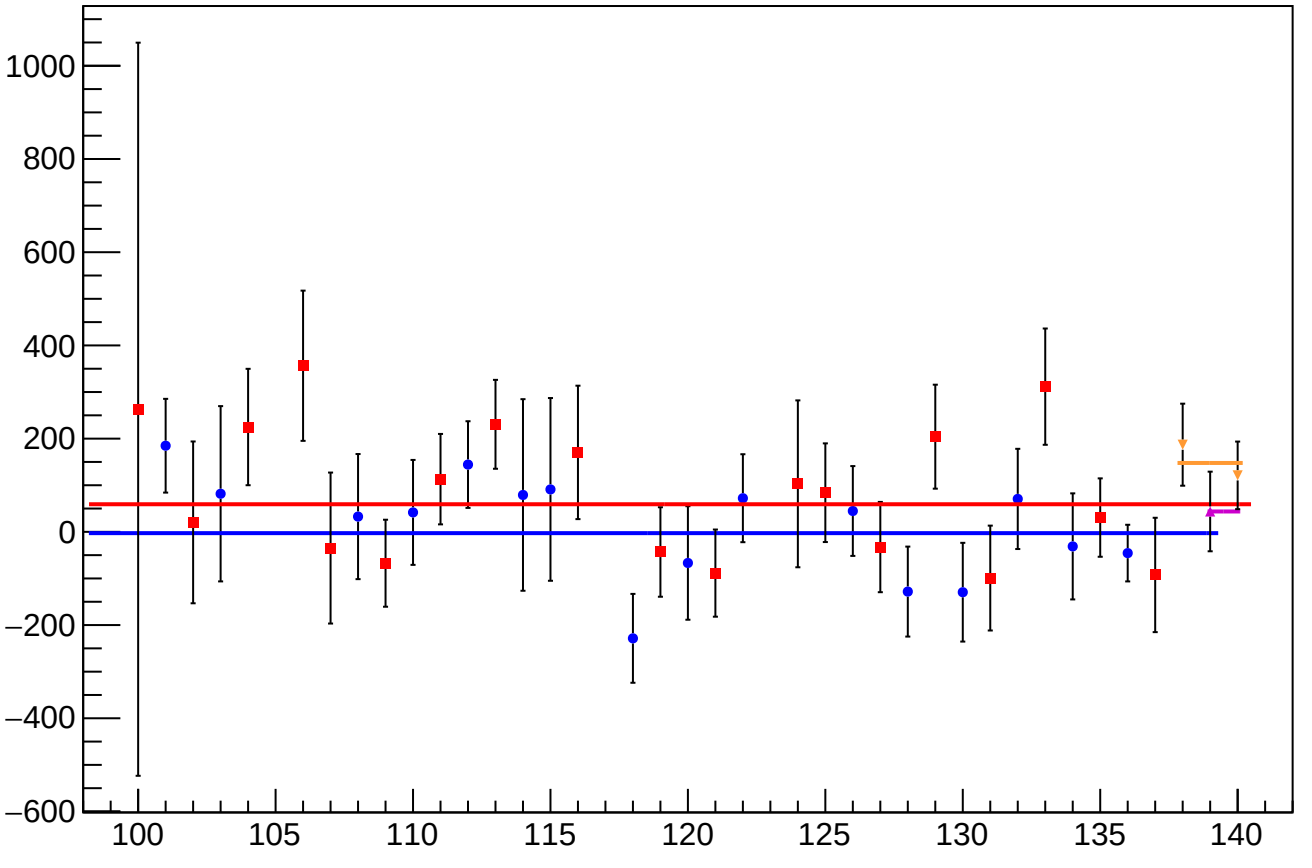
Left: 612.099+/-0.281 χ^2/NDF: 143781.5/2

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 888.914+/-0.227 χ^2/NDF:587026.7/16

Out: 805.532+/-0.198 χ^2/NDF:1325763.1/20

All: 841.586+/-0.149 χ^2/NDF: 1989690.0/37



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 147.816+/-55.955 χ^2/NDF:0.3/1

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 43.715+/-85.412 χ^2/NDF:0.0/0

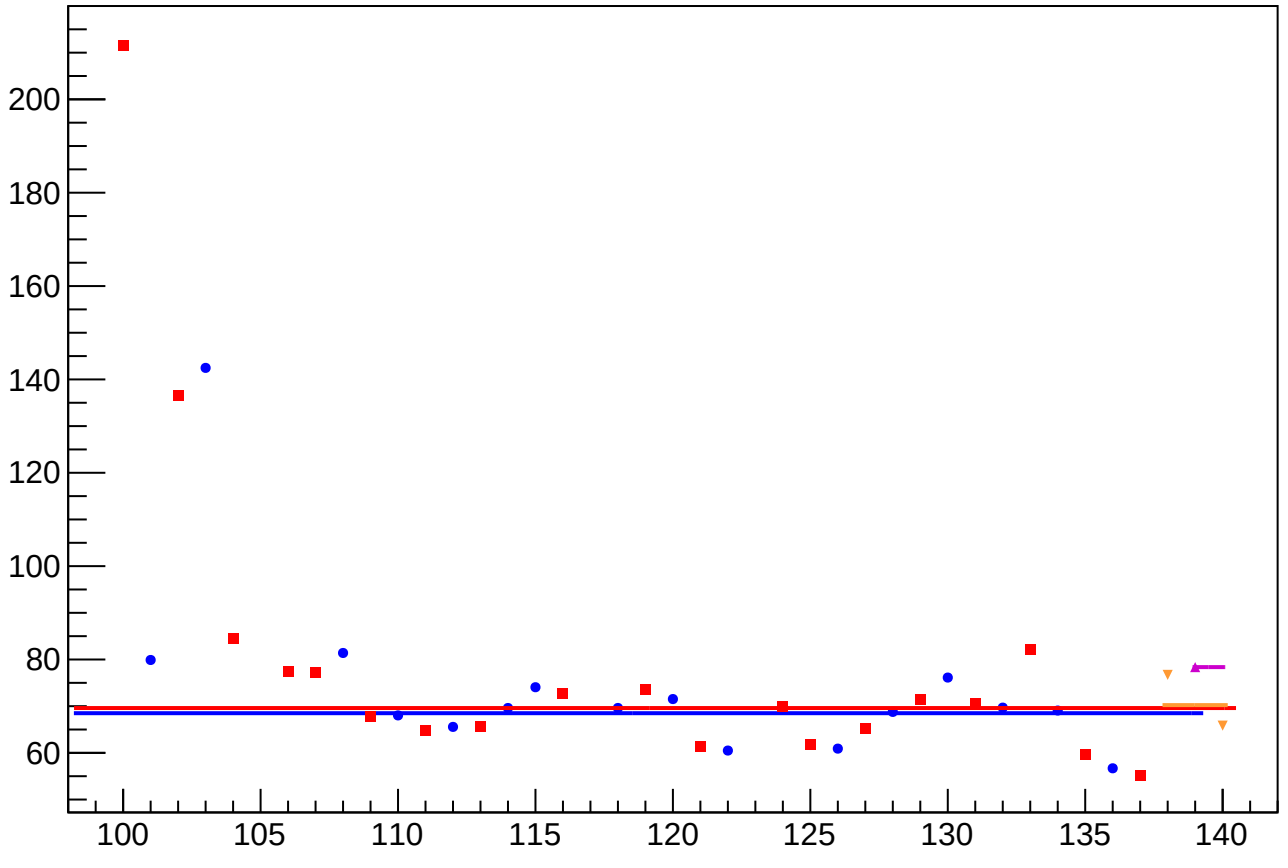
Left: 116.554+/-46.805 χ^2/NDF: 1.4/2

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 1.229+/-25.059 χ^2/NDF:18.0/16

Out: 75.340+/-23.864 χ^2/NDF:28.0/20

All: 40.094+/-17.281 χ^2/NDF: 50.6/37



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 70.229+/-0.040 χ^2/NDF:18184.4/1

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 78.371+/-0.060 χ^2/NDF:0.0/0

Left: 72.674+/-0.033 χ^2/NDF: 30901.4/2

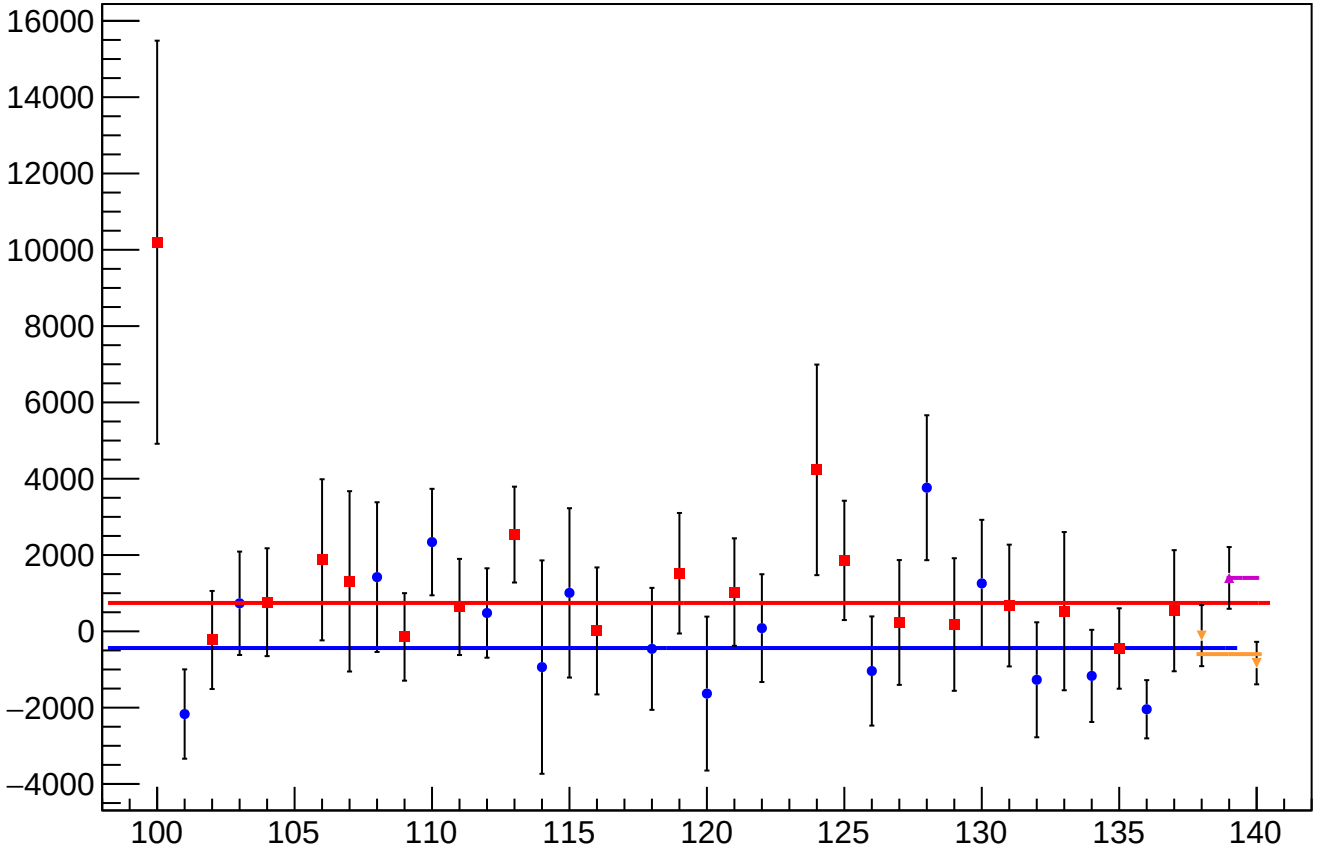
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 69.348+/-0.018 χ^2/NDF:496286.7/16

Out: 69.715+/-0.017 χ^2/NDF:538179.4/20

All: 69.540+/-0.012 χ^2/NDF: 1034690.2/37

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -597.093+/-457.052 χ^2/NDF:0.5/1

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 1400.230+/-809.070 χ^2/NDF:0.0/0

Left: -113.900+/-397.945 χ^2/NDF: 5.2/2

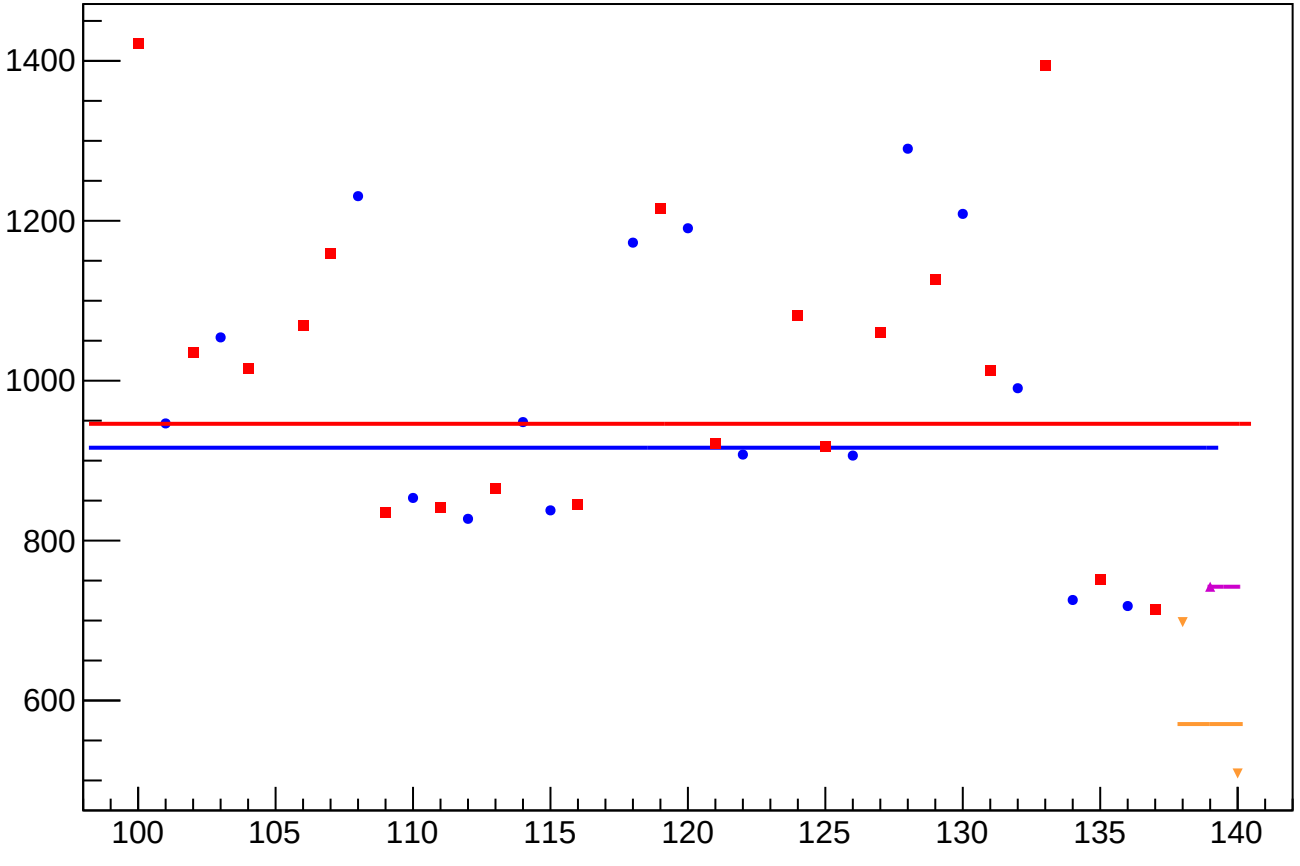
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -149.290+/-320.365 χ^2/NDF:24.9/16

Out: 242.297+/-279.617 χ^2/NDF:16.8/20

All: 72.976+/-210.662 χ^2/NDF: 42.5/37

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 570.545+/-0.323 χ^2/NDF:75446.7/1

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 742.310+/-0.572 χ^2/NDF:0.0/0

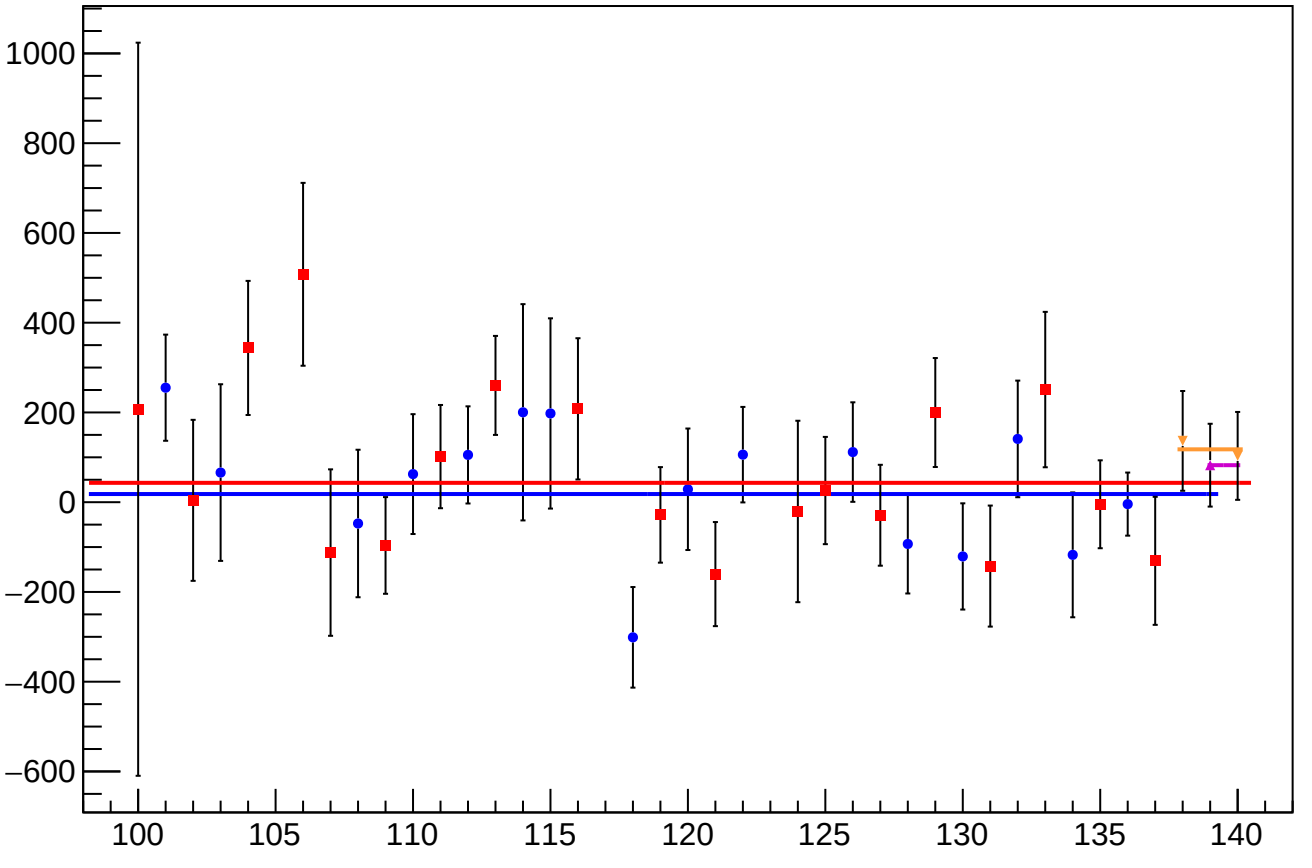
Left: 612.099+/-0.281 χ^2/NDF: 143781.5/2

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 888.914+/-0.227 χ^2/NDF:587026.7/16

Out: 805.532+/-0.198 χ^2/NDF:1325763.1/20

All: 841.586+/-0.149 χ^2/NDF: 1989690.0/37



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 117.794+/-73.478 χ^2/NDF:0.1/1

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 82.477+/-92.270 χ^2/NDF:0.0/0

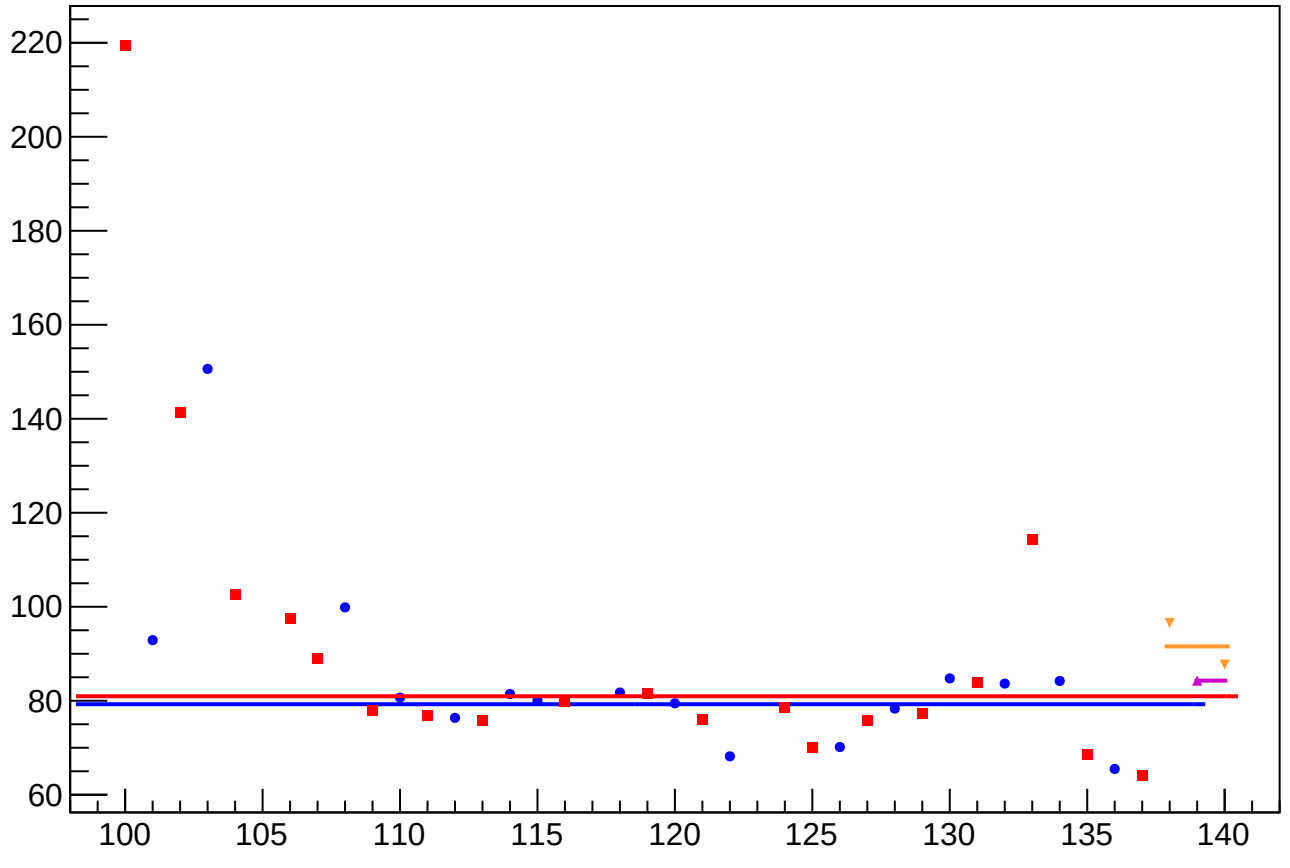
Left: 104.088+/-57.479 χ^2/NDF: 0.1/2

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 24.452+/-28.827 χ^2/NDF:20.6/16

Out: 54.244+/-28.333 χ^2/NDF:28.7/20

All: 39.606+/-20.207 χ^2/NDF: 49.8/37



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 91.564+/-0.052 χ^2/NDF:7147.9/1

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 84.281+/-0.065 χ^2/NDF:0.0/0

Left: 88.738+/-0.041 χ^2/NDF: 14773.2/2

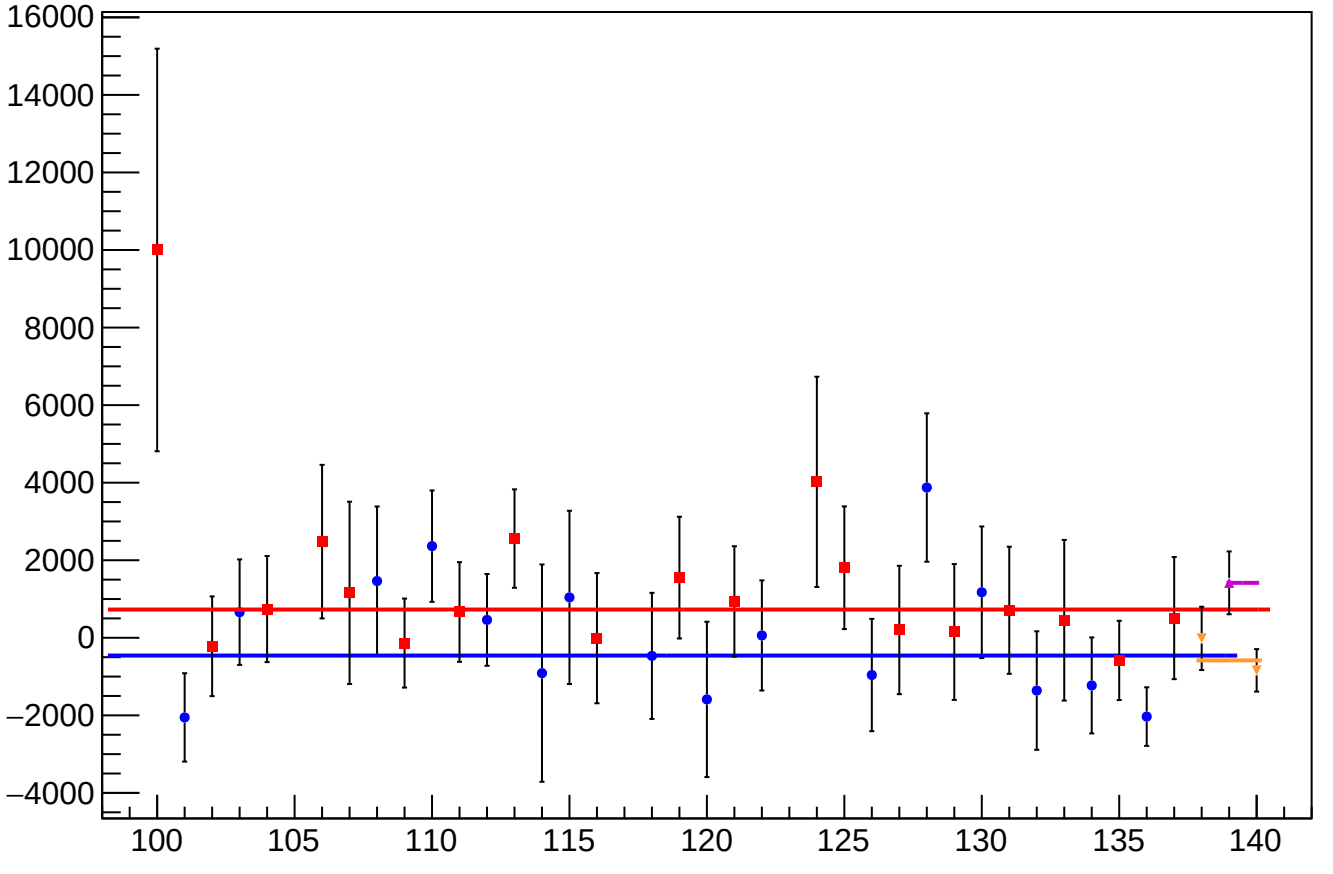
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 79.753+/-0.020 χ^2/NDF:450288.7/16

Out: 82.535+/-0.020 χ^2/NDF:556802.7/20

All: 81.168+/-0.014 χ^2/NDF: 1016568.4/37

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -583.394+/-454.794 χ^2/NDF:0.7/1

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 1417.005+/-809.602 χ^2/NDF:0.0/0

Left: -103.559+/-396.514 χ^2/NDF: 5.3/2

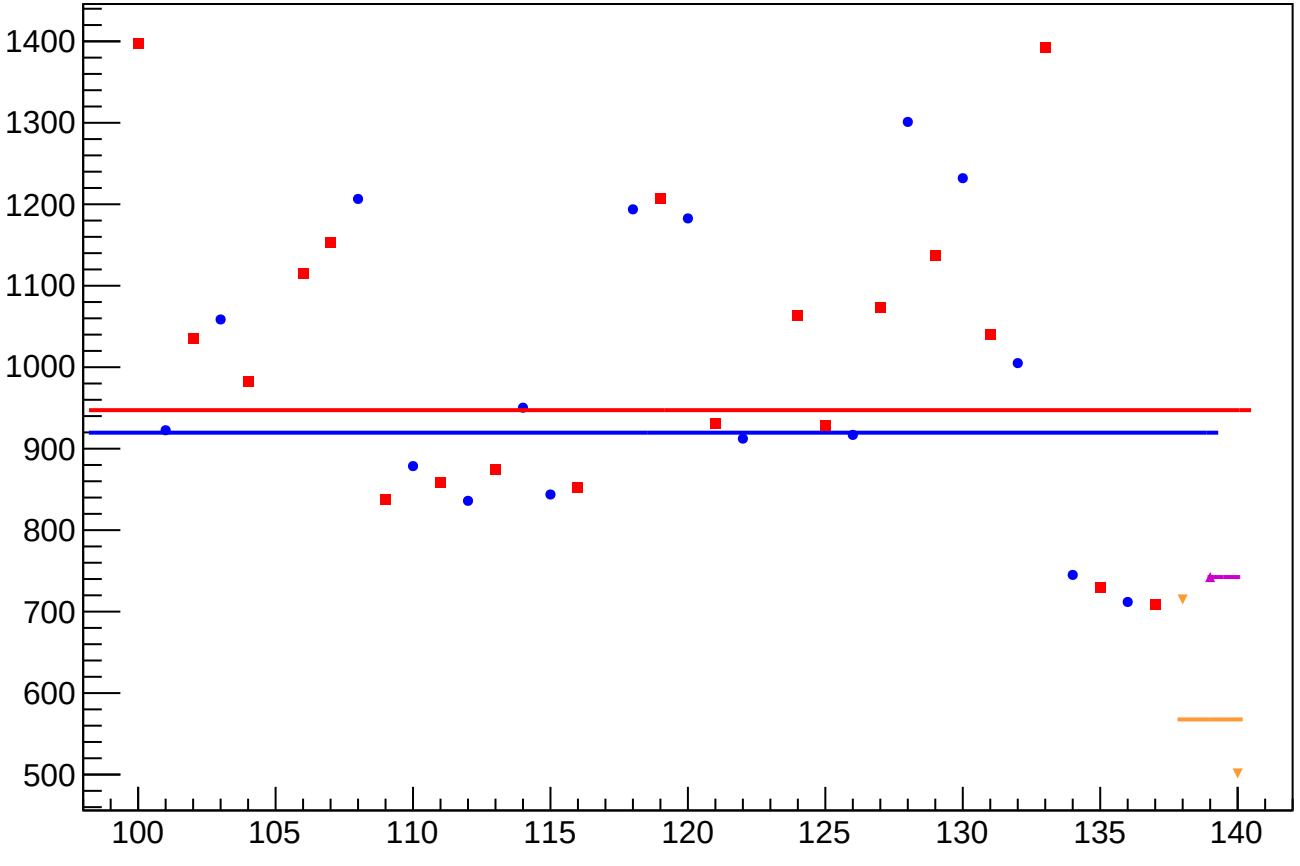
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: -162.738+/-321.322 χ^2/NDF:24.8/16

Out: 236.187+/-278.647 χ^2/NDF:17.4/20

All: 64.956+/-210.516 χ^2/NDF: 43.1/37

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 567.675+/-0.322 χ^2/NDF:94459.3/1

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 742.439+/-0.572 χ^2/NDF:0.0/0

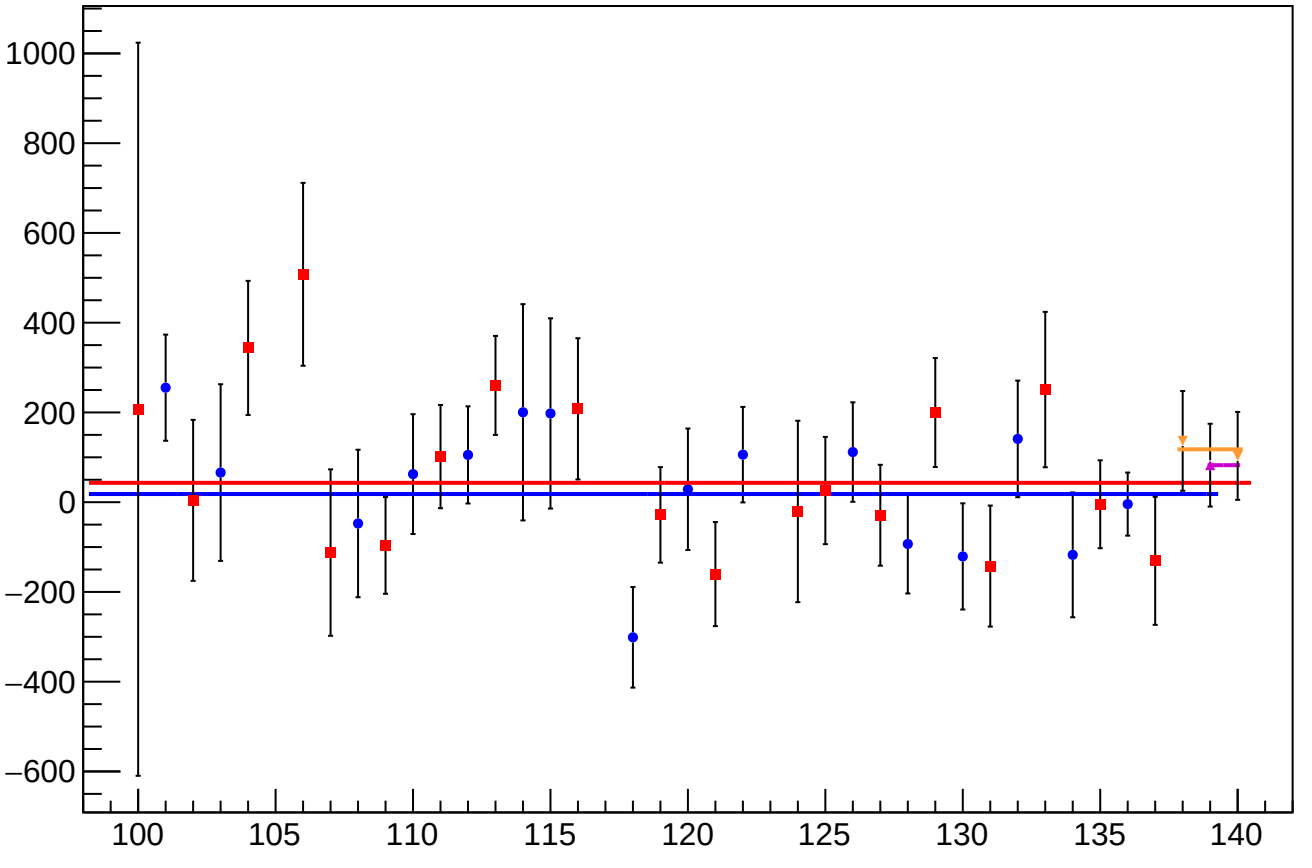
Left: 609.596+/-0.280 χ^2/NDF: 165299.5/2

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 891.726+/-0.227 χ^2/NDF:596161.8/16

Out: 804.776+/-0.197 χ^2/NDF:1390297.5/20

All: 842.097+/-0.149 χ^2/NDF: 2070048.1/37



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 117.794+/-73.479 χ^2/NDF:0.1/1

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 82.475+/-92.270 χ^2/NDF:0.0/0

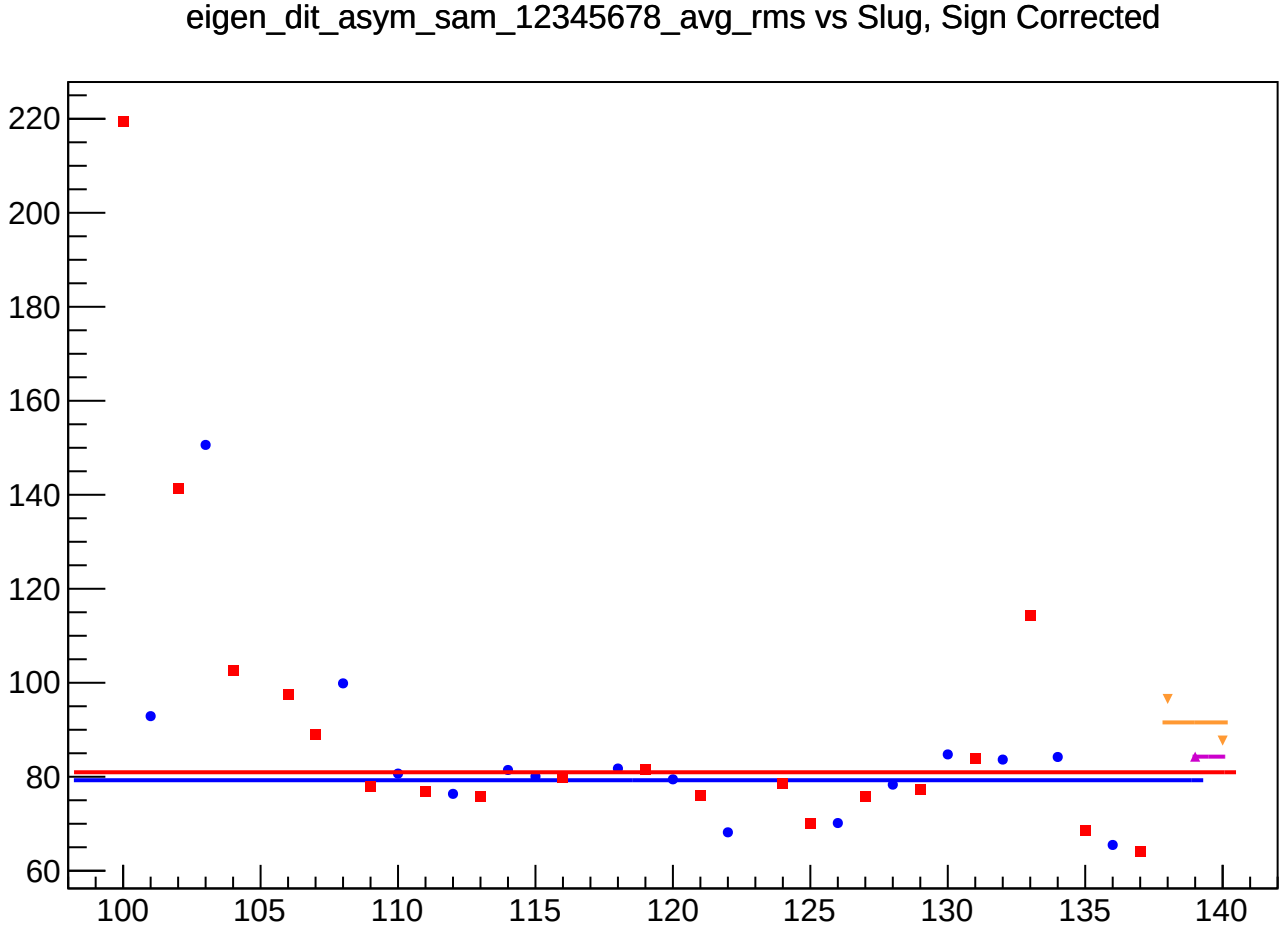
Left: 104.088+/-57.479 χ^2/NDF: 0.1/2

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 24.451+/-28.827 χ^2/NDF:20.6/16

Out: 54.242+/-28.333 χ^2/NDF:28.7/20

All: 39.605+/-20.207 χ^2/NDF: 49.8/37



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 91.564+/-0.052 χ^2/NDF:7146.8/1

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 84.281+/-0.065 χ^2/NDF:0.0/0

Left: 88.738+/-0.041 χ^2/NDF: 14772.2/2

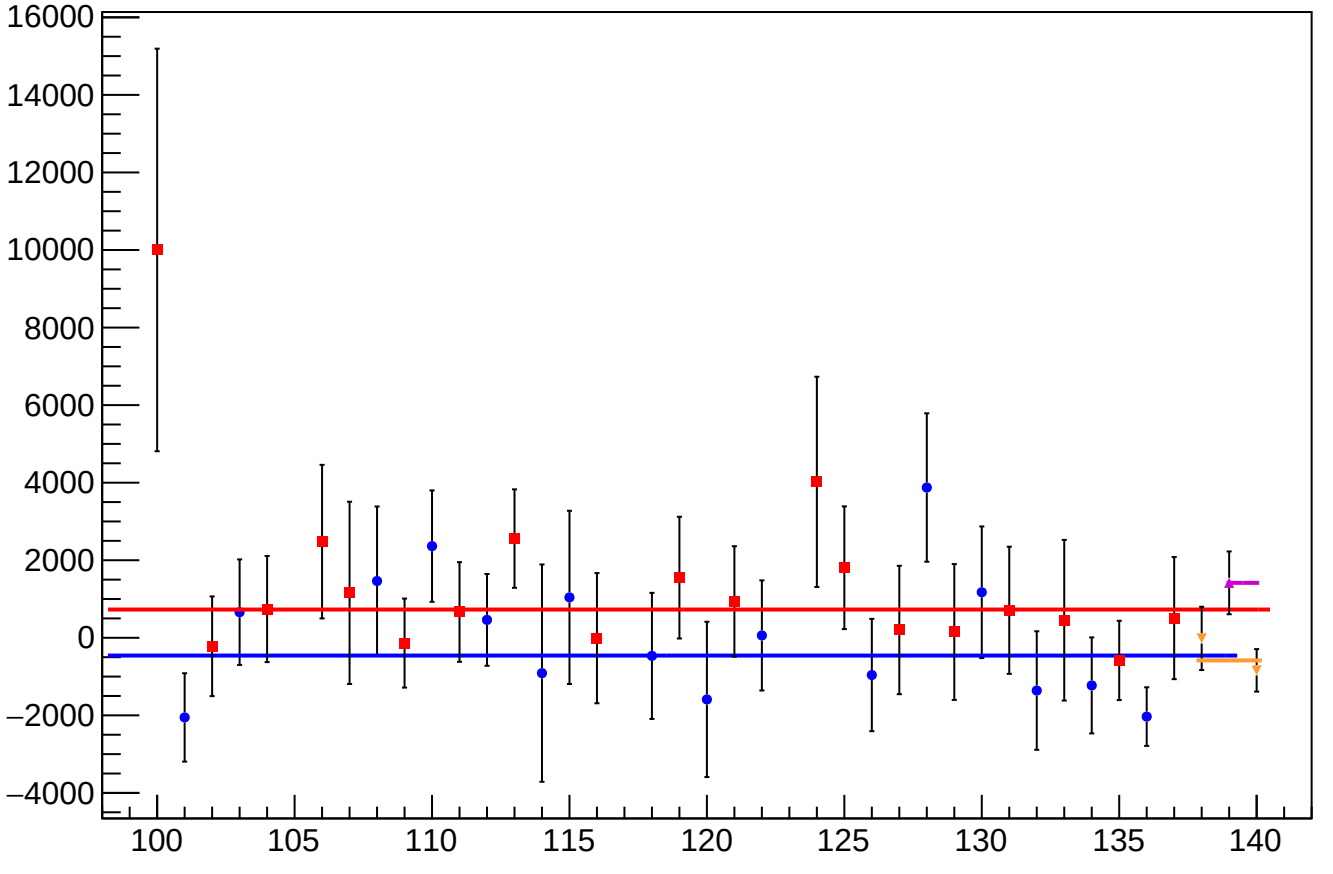
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 79.753+/-0.020 χ^2/NDF:450286.7/16

Out: 82.535+/-0.020 χ^2/NDF:556812.4/20

All: 81.168+/-0.014 χ^2/NDF: 1016576.6/37

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -583.394+/-454.793 χ^2/NDF:0.7/1

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 1417.004+/-809.600 χ^2/NDF:0.0/0

Left: -103.560+/-396.514 χ^2/NDF: 5.3/2

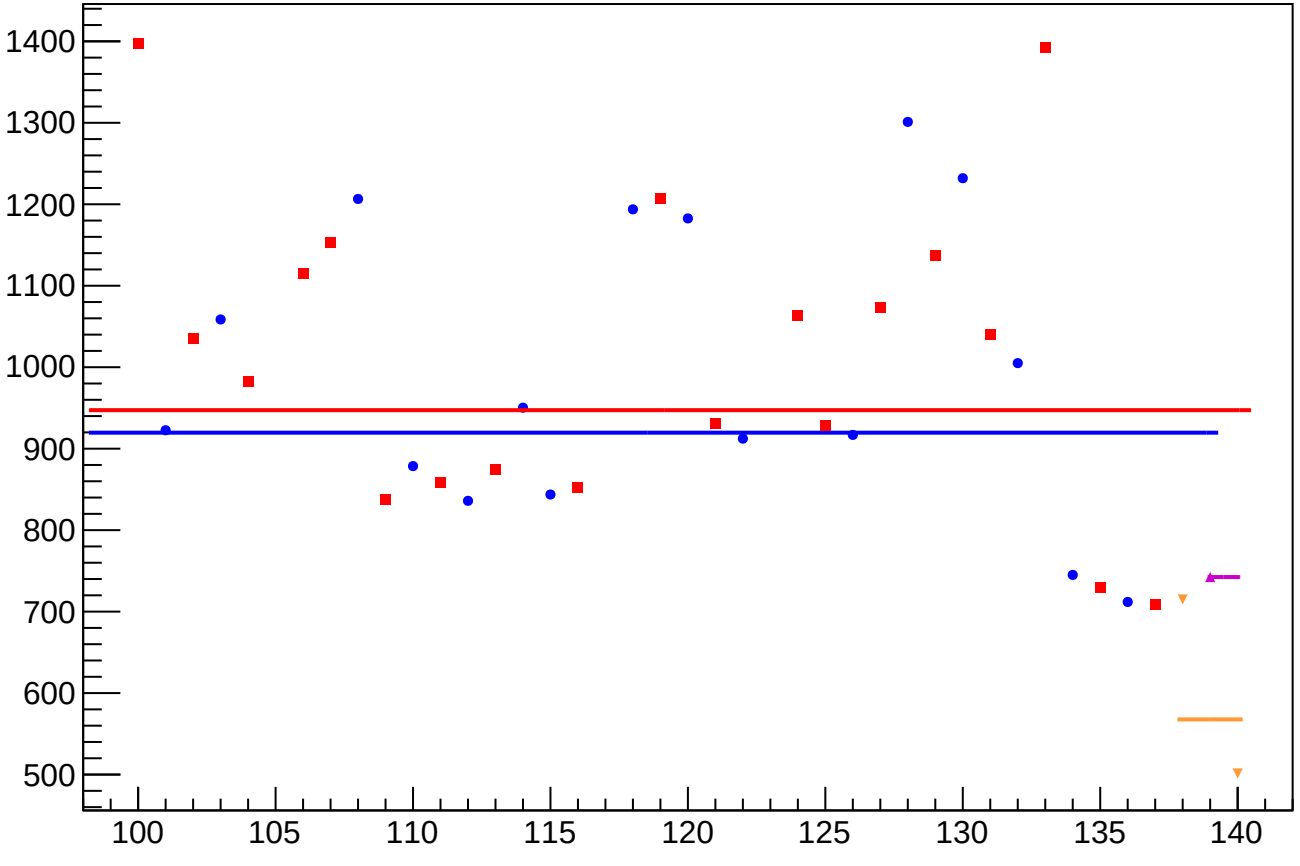
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: -162.736+/-321.321 χ^2/NDF:24.8/16

Out: 236.186+/-278.647 χ^2/NDF:17.4/20

All: 64.957+/-210.516 χ^2/NDF: 43.1/37

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 567.674+/-0.322 χ^2/NDF:94459.0/1

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 742.438+/-0.572 χ^2/NDF:0.0/0

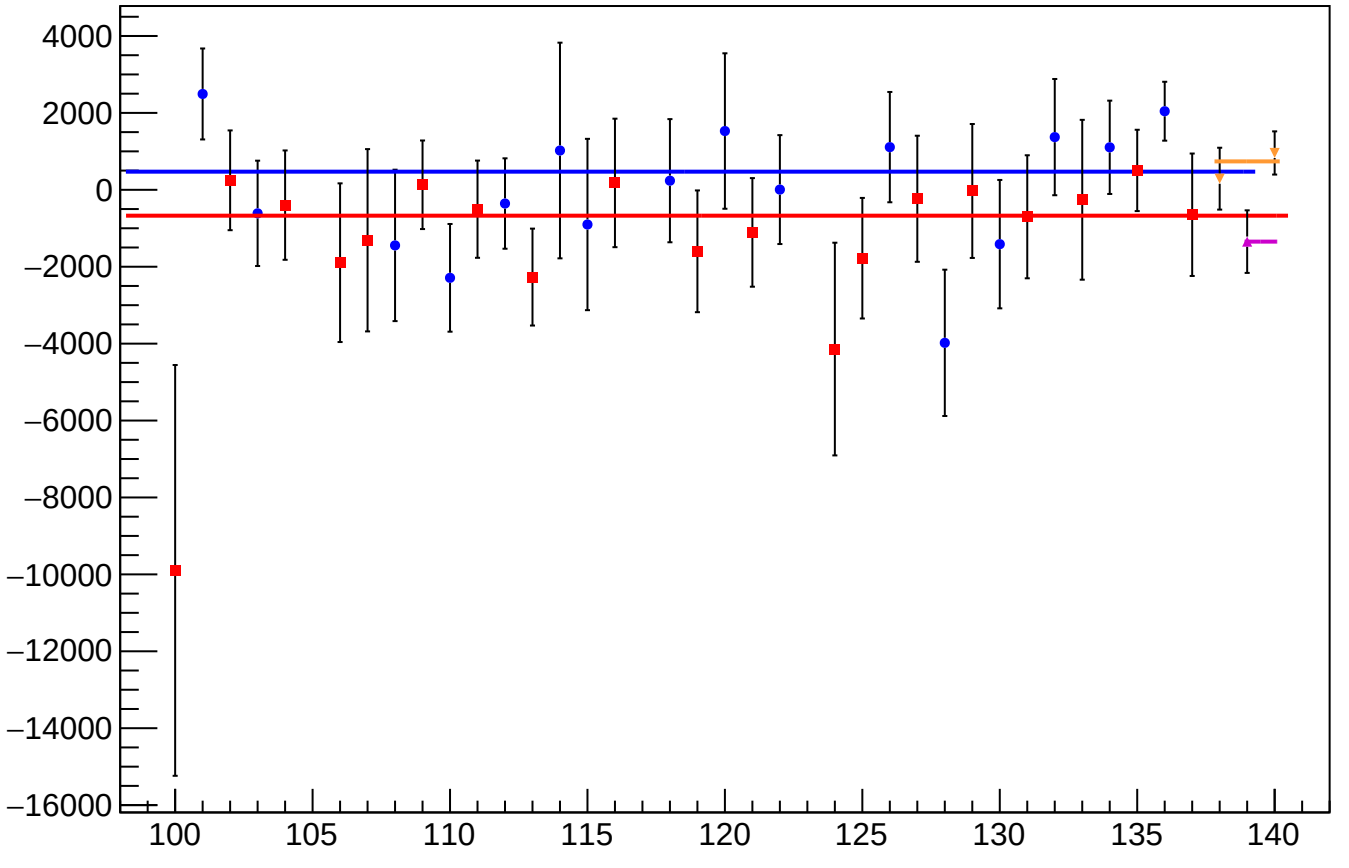
Left: 609.594+/-0.280 χ^2/NDF: 165299.2/2

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 891.724+/-0.227 χ^2/NDF:596161.8/16

Out: 804.774+/-0.197 χ^2/NDF:1390297.6/20

All: 842.096+/-0.149 χ^2/NDF: 2070048.3/37



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 739.136+/-460.665 χ^2/NDF:0.5/1

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -1347.143+/-813.623 χ^2/NDF:0.0/0

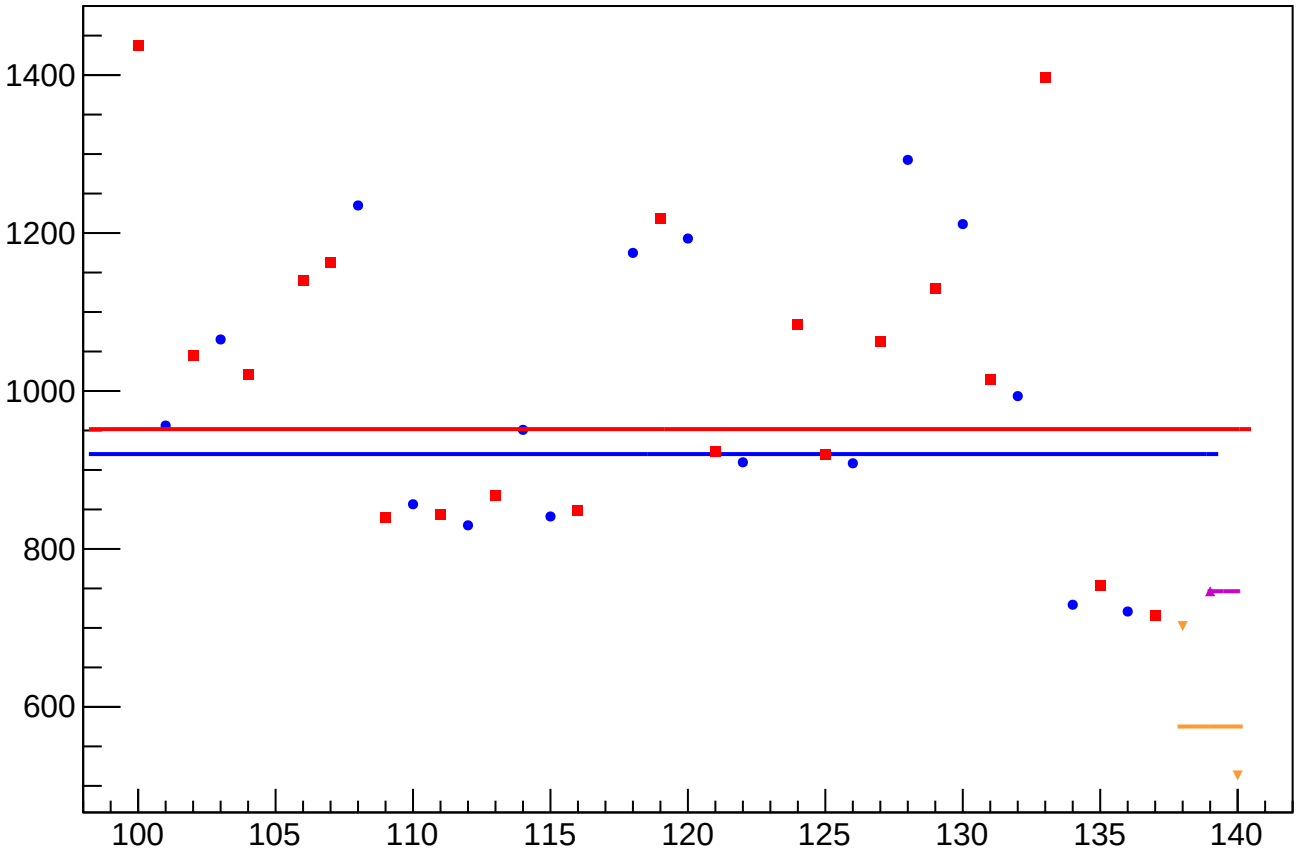
Left: 232.687+/-400.871 χ^2/NDF: 5.4/2

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 187.431+/-321.805 χ^2/NDF:25.7/16

Out: -147.464+/-280.950 χ^2/NDF:16.7/20

All: -2.613+/-211.641 χ^2/NDF: 43.0/37



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 575.160+/-0.326 χ^2/NDF:74293.1/1

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 746.501+/-0.575 χ^2/NDF:0.0/0

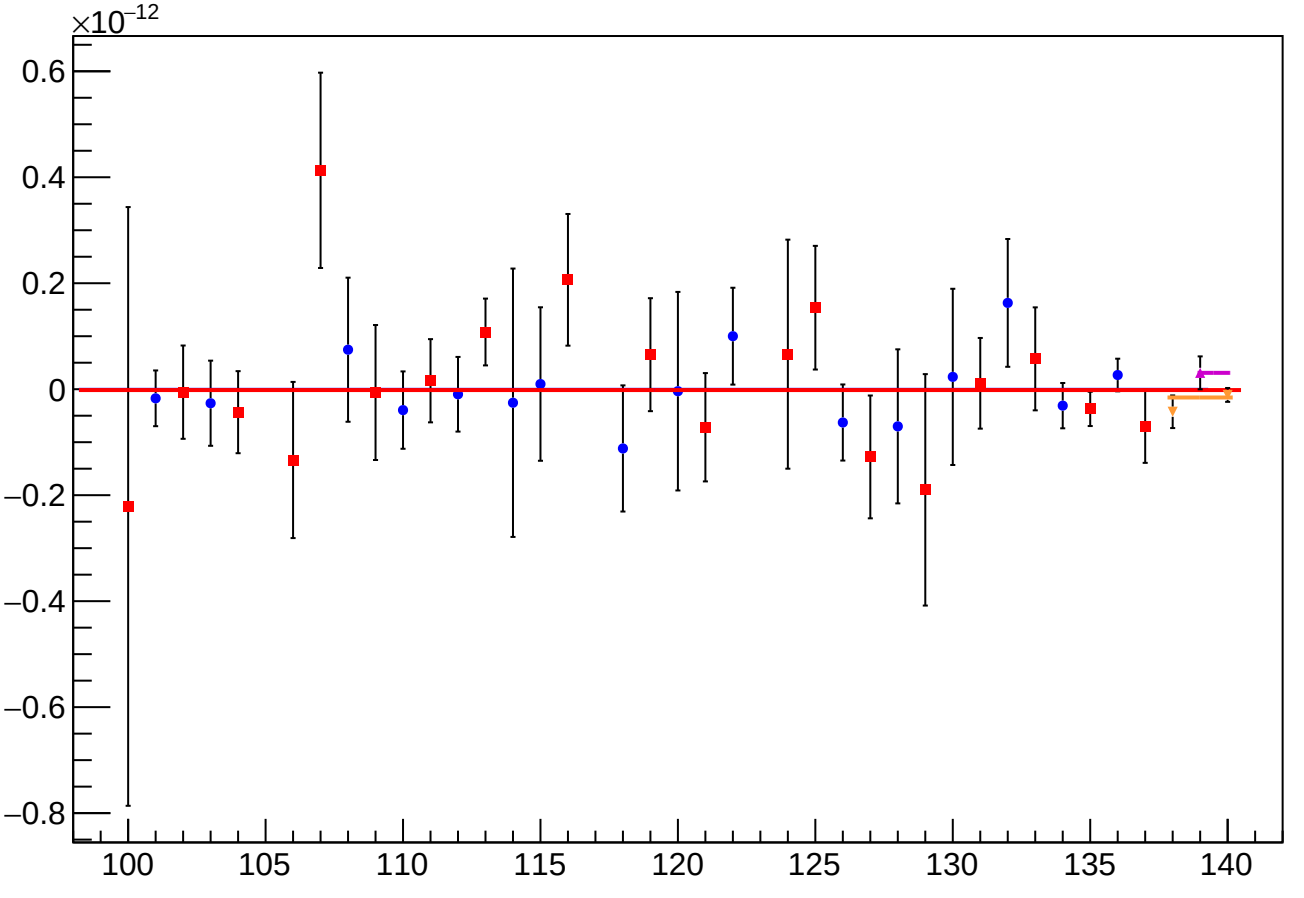
Left: 616.753+/-0.283 χ^2/NDF: 141458.1/2

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 892.964+/-0.228 χ^2/NDF:585507.5/16

Out: 811.662+/-0.199 χ^2/NDF:1329745.4/20

All: 846.828+/-0.150 χ^2/NDF: 1987694.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

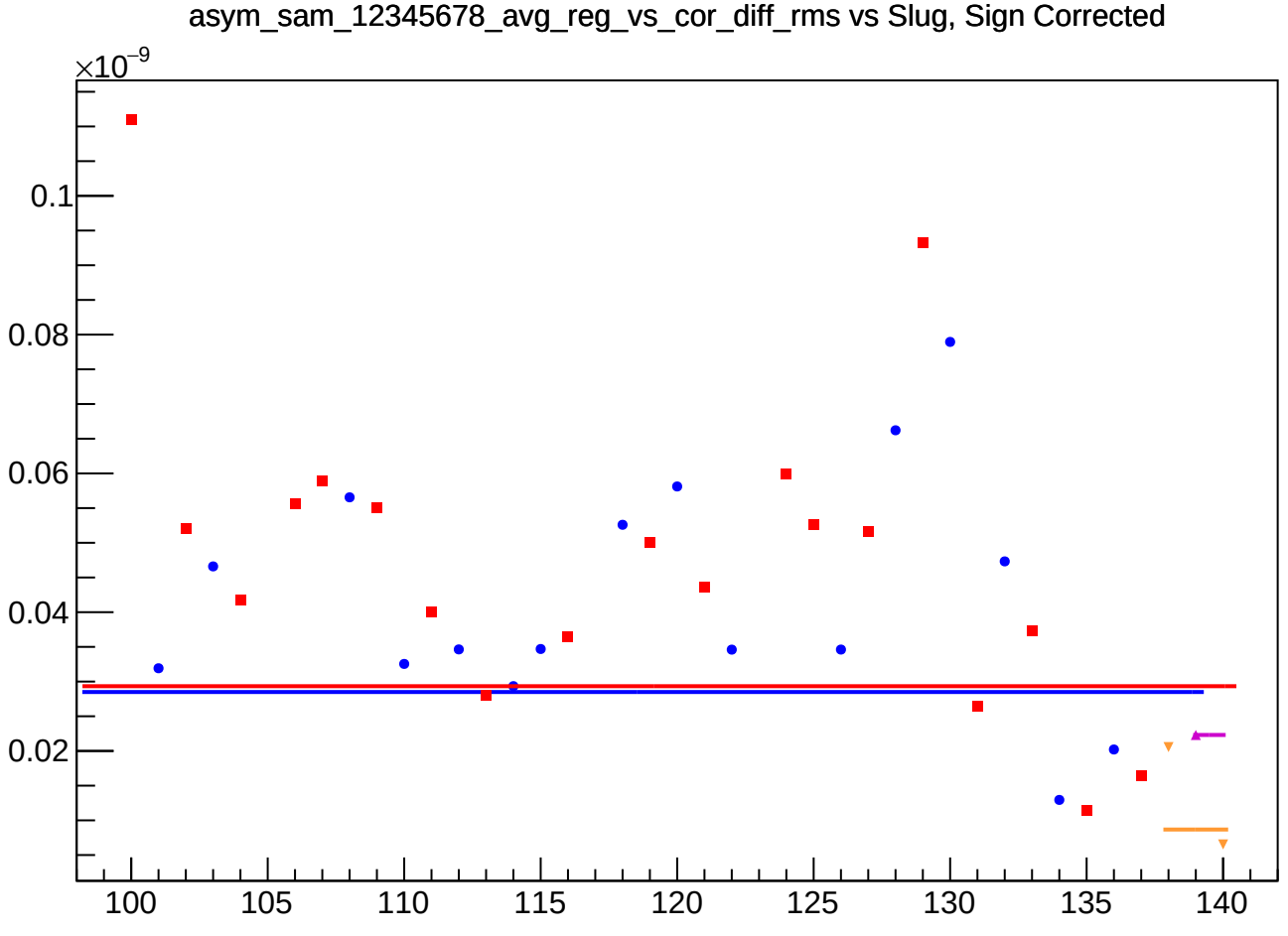
Left: -0.000+/-0.000 χ^2/NDF: 2.8/2

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:7.8/16

Out: -0.000+/-0.000 χ^2/NDF:20.7/20

All: -0.000+/-0.000 χ^2/NDF: 29.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:351148.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 685619.0/2

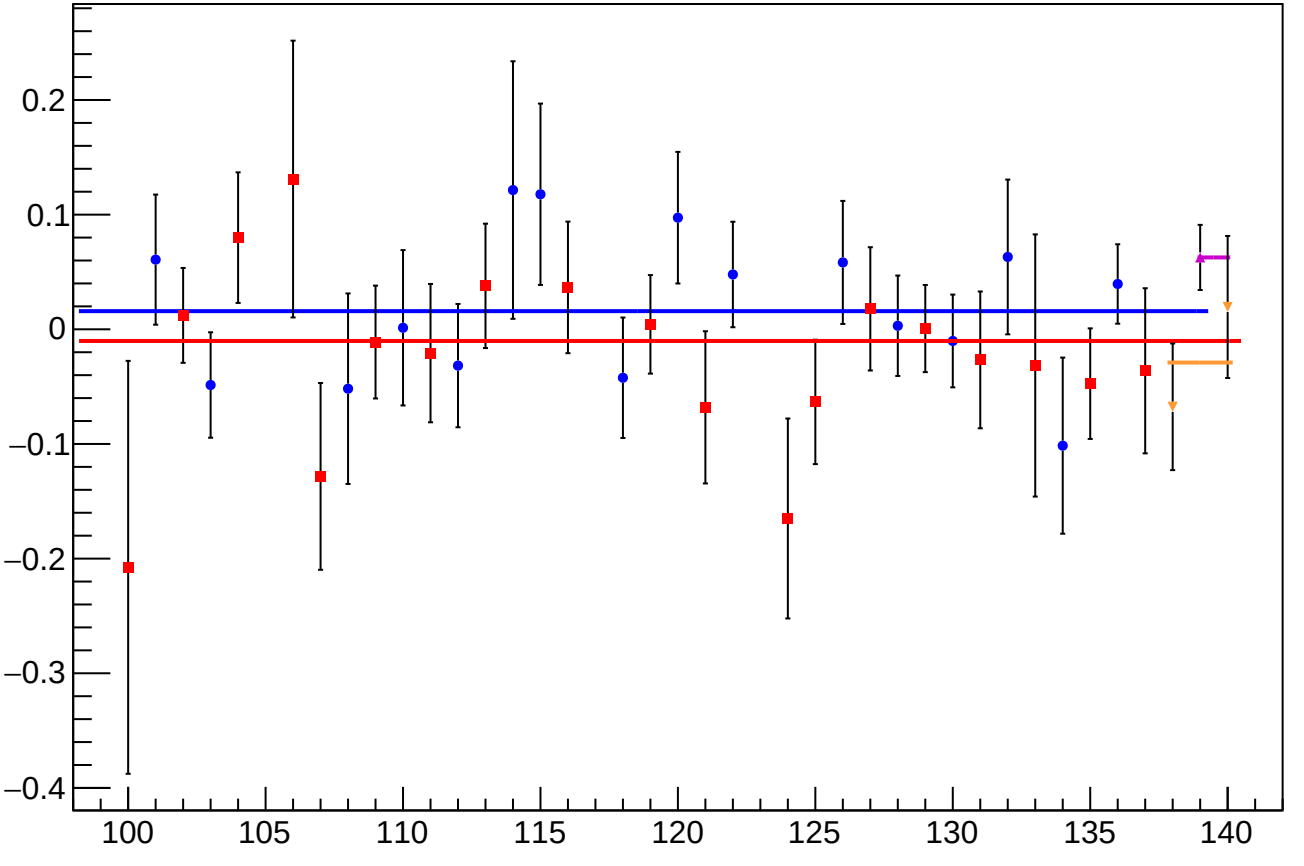
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:1212213.9/16

Out: 0.000+/-0.000 χ^2/NDF:3650565.9/20

All: 0.000+/-0.000 χ^2/NDF: 5777021.9/37

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.029+/-0.041 χ^2/NDF:1.1/1

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.063+/-0.028 χ^2/NDF:0.0/0

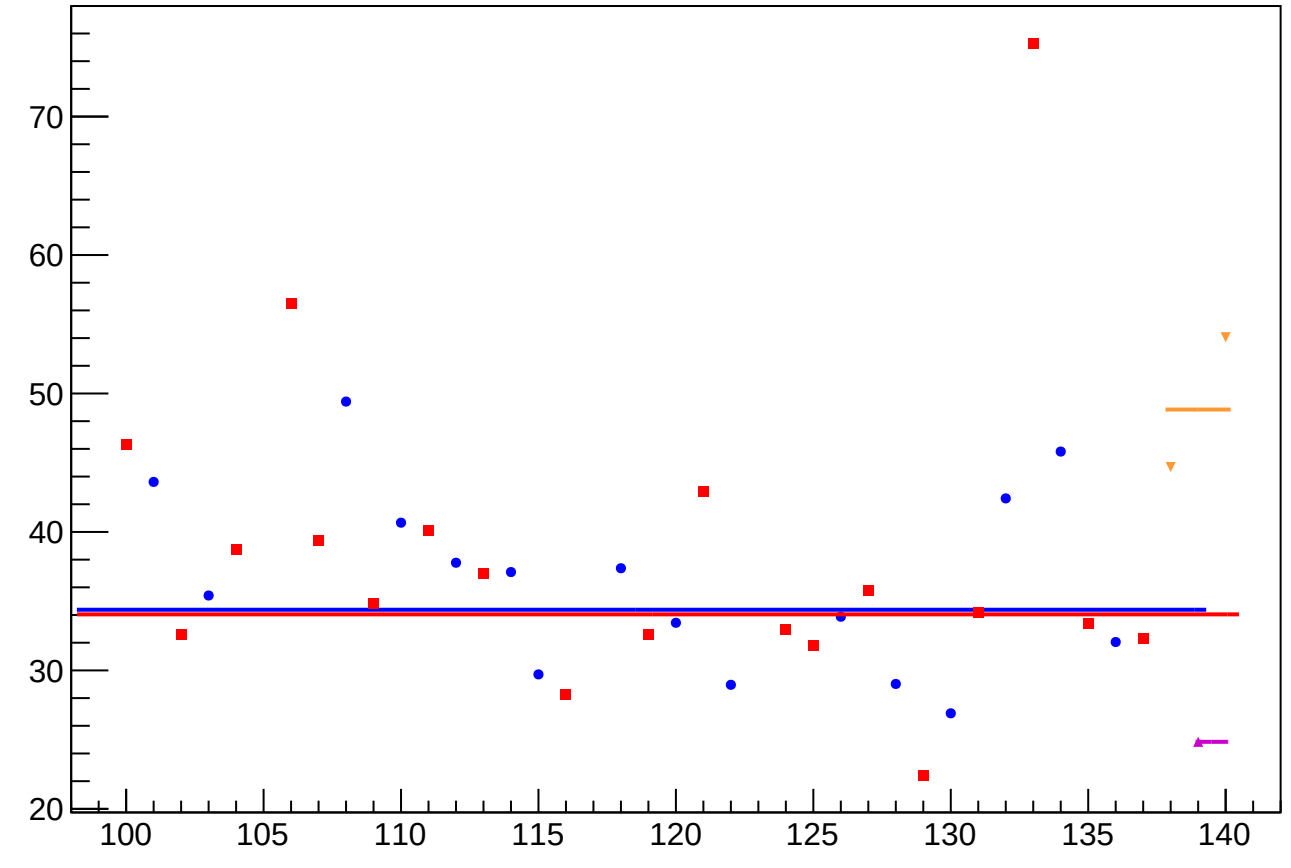
Left: 0.033+/-0.023 χ^2/NDF: 4.5/2

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.024+/-0.012 χ^2/NDF:17.0/16

Out: -0.012+/-0.013 χ^2/NDF:16.4/20

All: 0.007+/-0.009 χ^2/NDF: 37.7/37



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 48.840+/-0.029 χ^2/NDF:25532.9/1

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 24.842+/-0.020 χ^2/NDF:0.0/0

Left: 32.564+/-0.017 χ^2/NDF: 485099.1/2

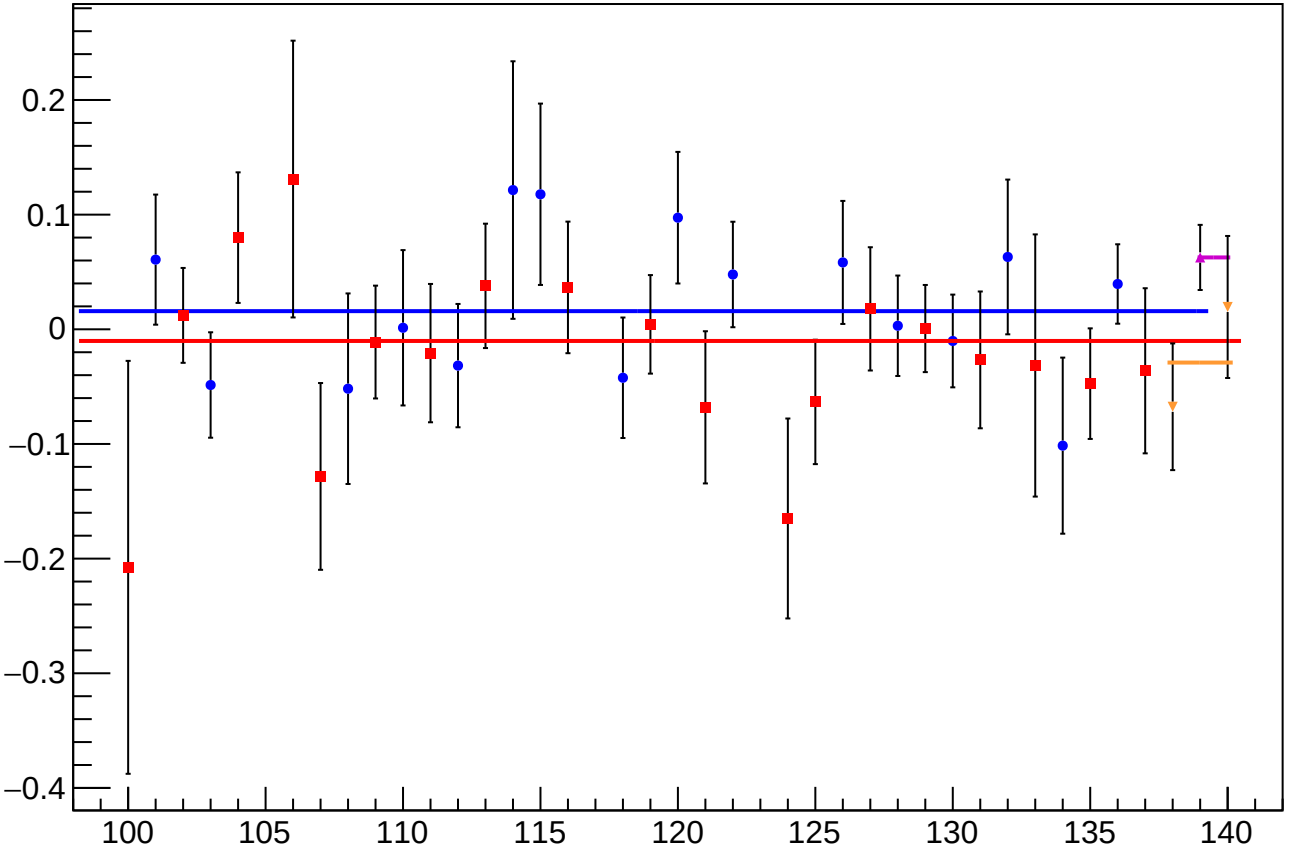
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 32.645+/-0.009 χ^2/NDF:552489.4/16

Out: 35.424+/-0.009 χ^2/NDF:901738.0/20

All: 33.983+/-0.006 χ^2/NDF: 1504858.8/37

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.029+/-0.041 χ^2/NDF:1.1/1

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.063+/-0.028 χ^2/NDF:0.0/0

Left: 0.033+/-0.023 χ^2/NDF: 4.5/2

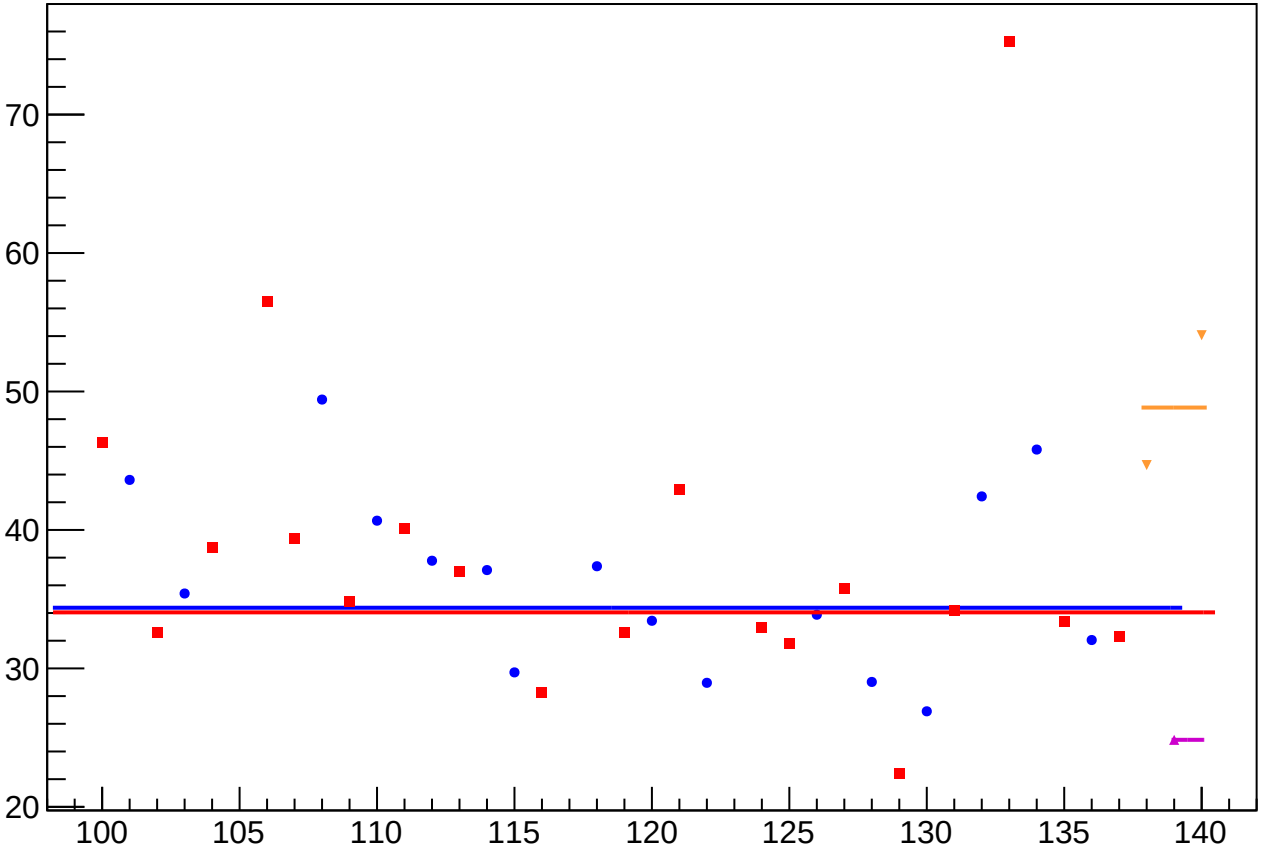
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.024+/-0.012 χ^2/NDF:17.0/16

Out: -0.012+/-0.013 χ^2/NDF:16.4/20

All: 0.007+/-0.009 χ^2/NDF: 37.7/37

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 48.840+/-0.029 χ^2/NDF:25532.9/1

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 24.842+/-0.020 χ^2/NDF:0.0/0

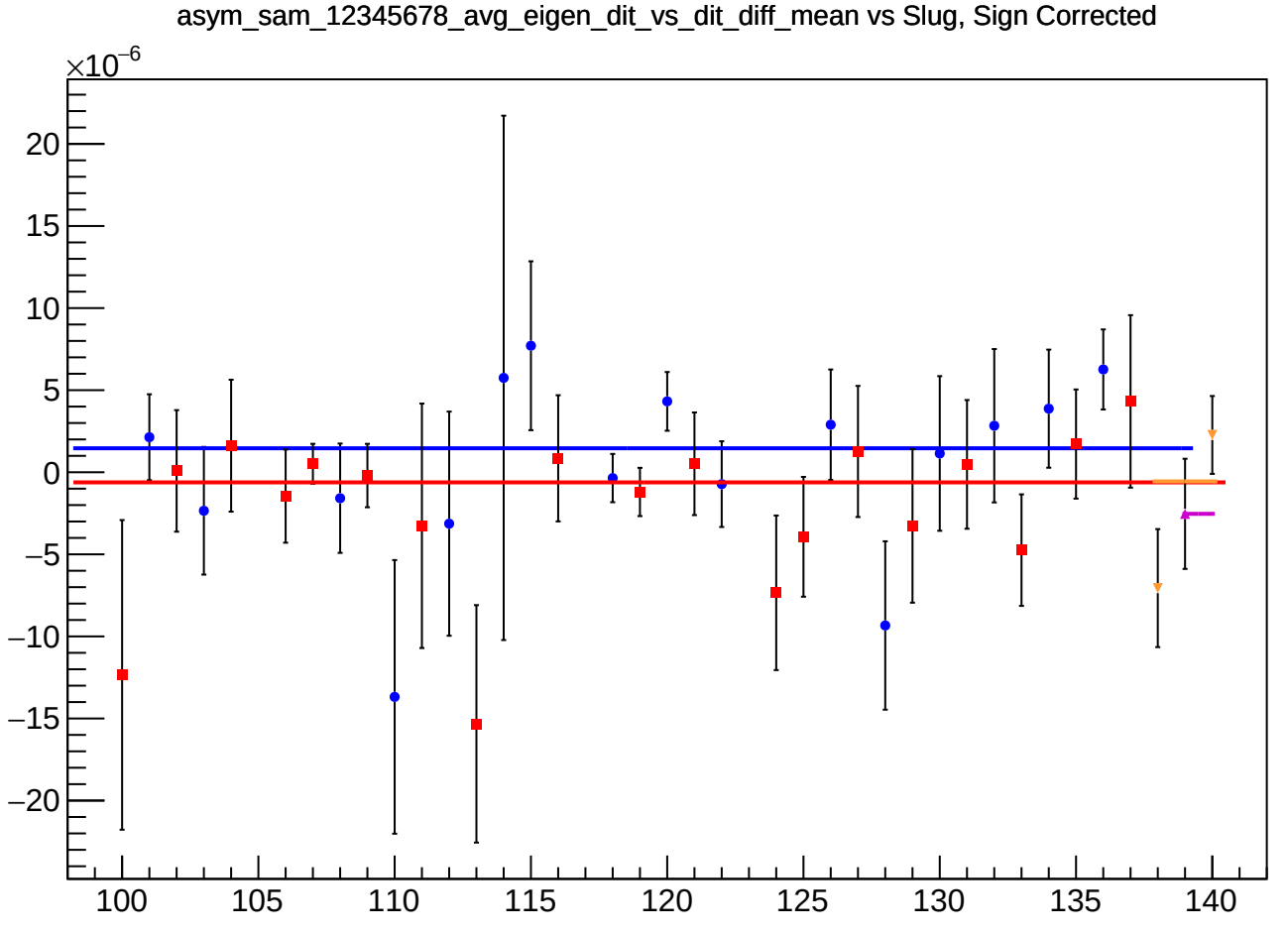
Left: 32.564+/-0.017 χ^2/NDF: 485099.1/2

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 32.645+/-0.009 χ^2/NDF:552489.4/16

Out: 35.424+/-0.009 χ^2/NDF:901738.0/20

All: 33.983+/-0.006 χ^2/NDF: 1504858.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.000+/-0.000 χ^2/NDF: 5.0/2

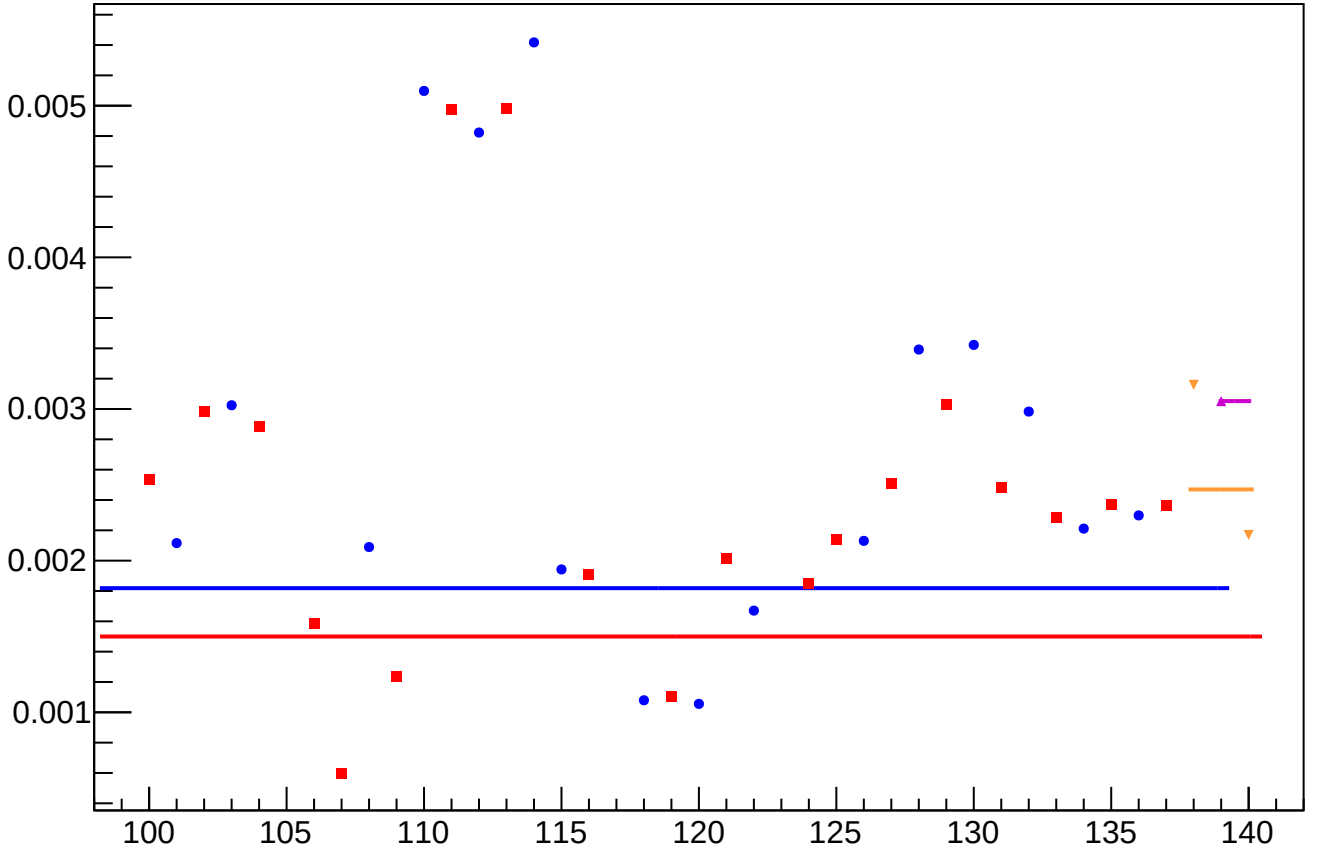
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:22.3/16

Out: -0.000+/-0.000 χ^2/NDF:18.6/20

All: 0.000+/-0.000 χ^2/NDF: 44.8/37

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:105654.9/1

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.003+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 150390.4/2

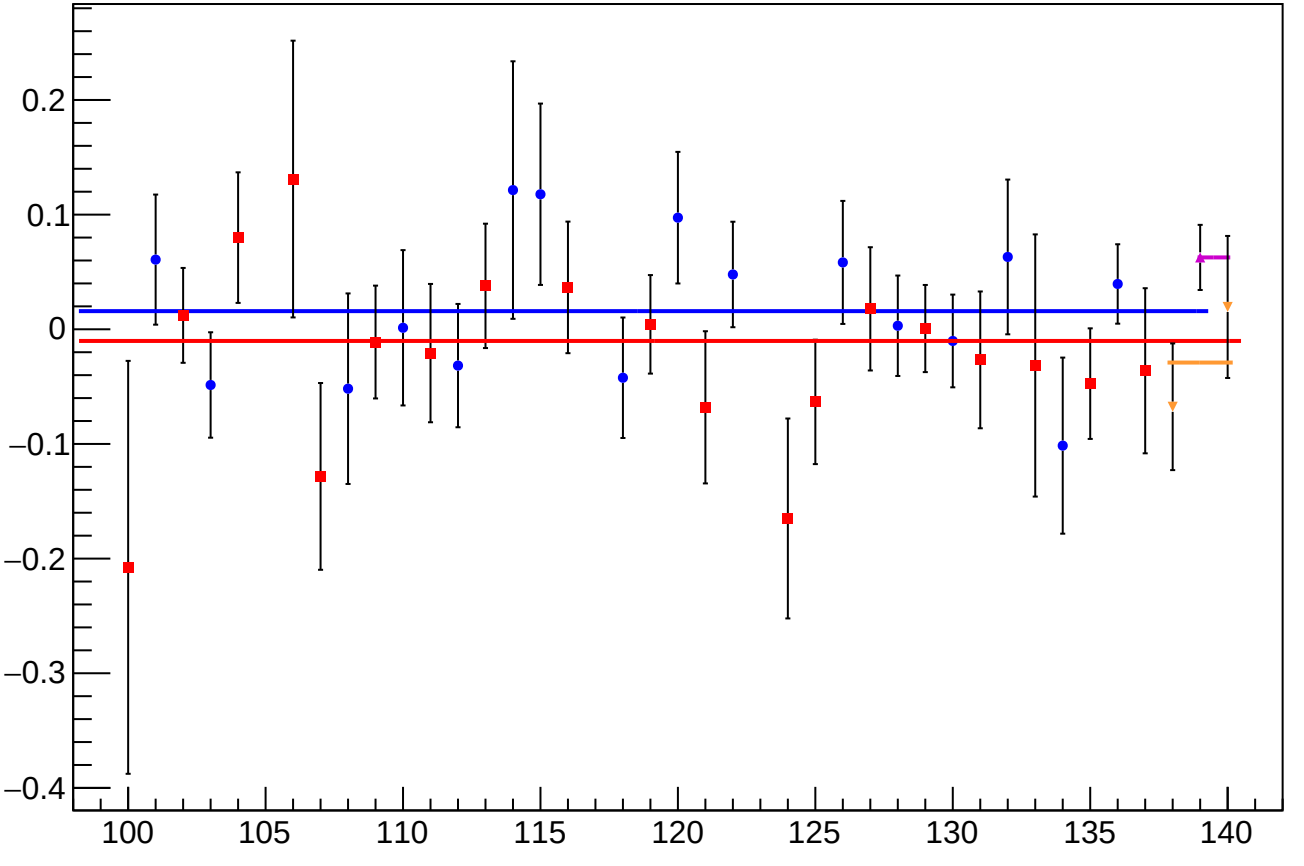
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:2827624.6/16

Out: 0.002+/-0.000 χ^2/NDF:4228881.1/20

All: 0.002+/-0.000 χ^2/NDF: 7233127.1/37

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.029+/-0.041 χ^2/NDF:1.1/1

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.063+/-0.028 χ^2/NDF:0.0/0

Left: 0.033+/-0.023 χ^2/NDF: 4.5/2

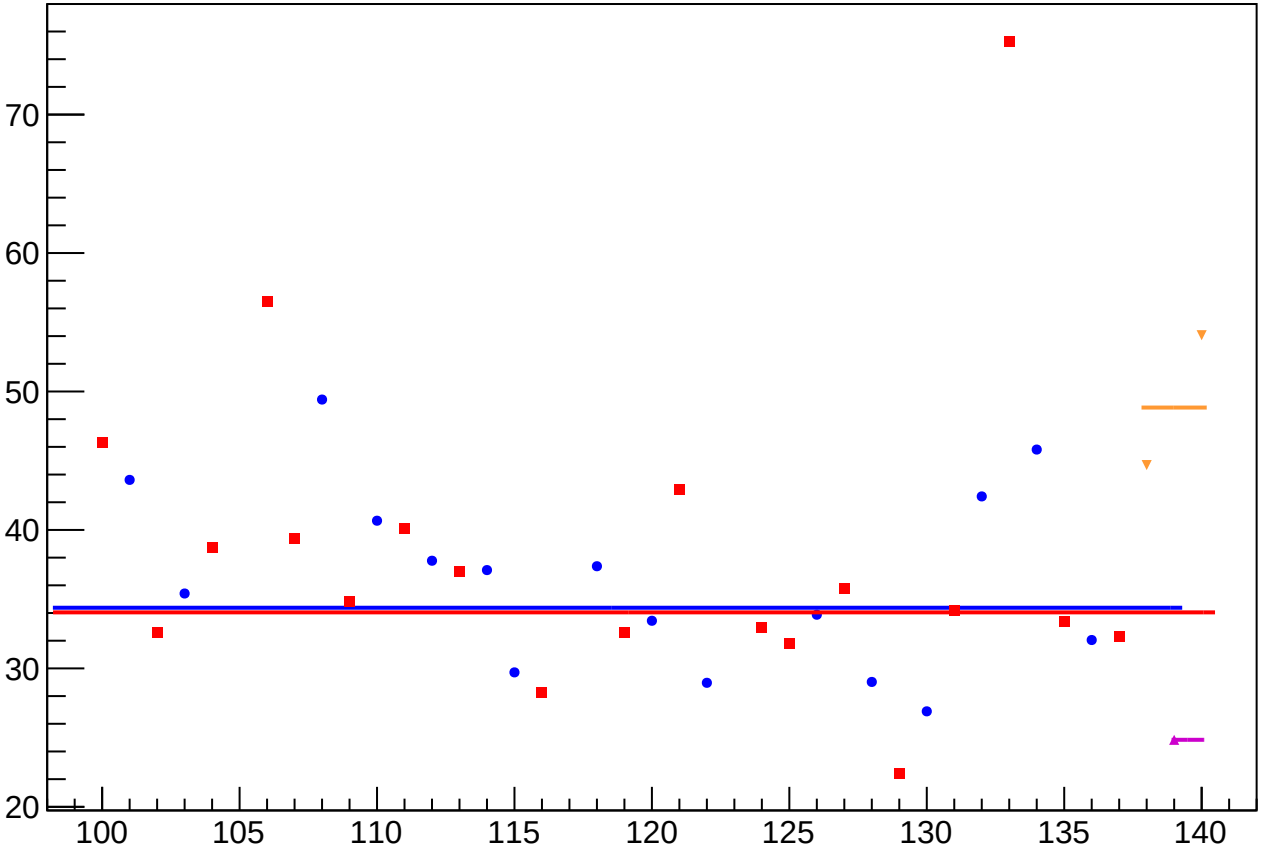
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.024+/-0.012 χ^2/NDF:17.0/16

Out: -0.012+/-0.013 χ^2/NDF:16.4/20

All: 0.007+/-0.009 χ^2/NDF: 37.7/37

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 48.840+/-0.029 χ^2/NDF:25538.2/1

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 24.843+/-0.020 χ^2/NDF:0.0/0

Left: 32.565+/-0.017 χ^2/NDF: 485094.1/2

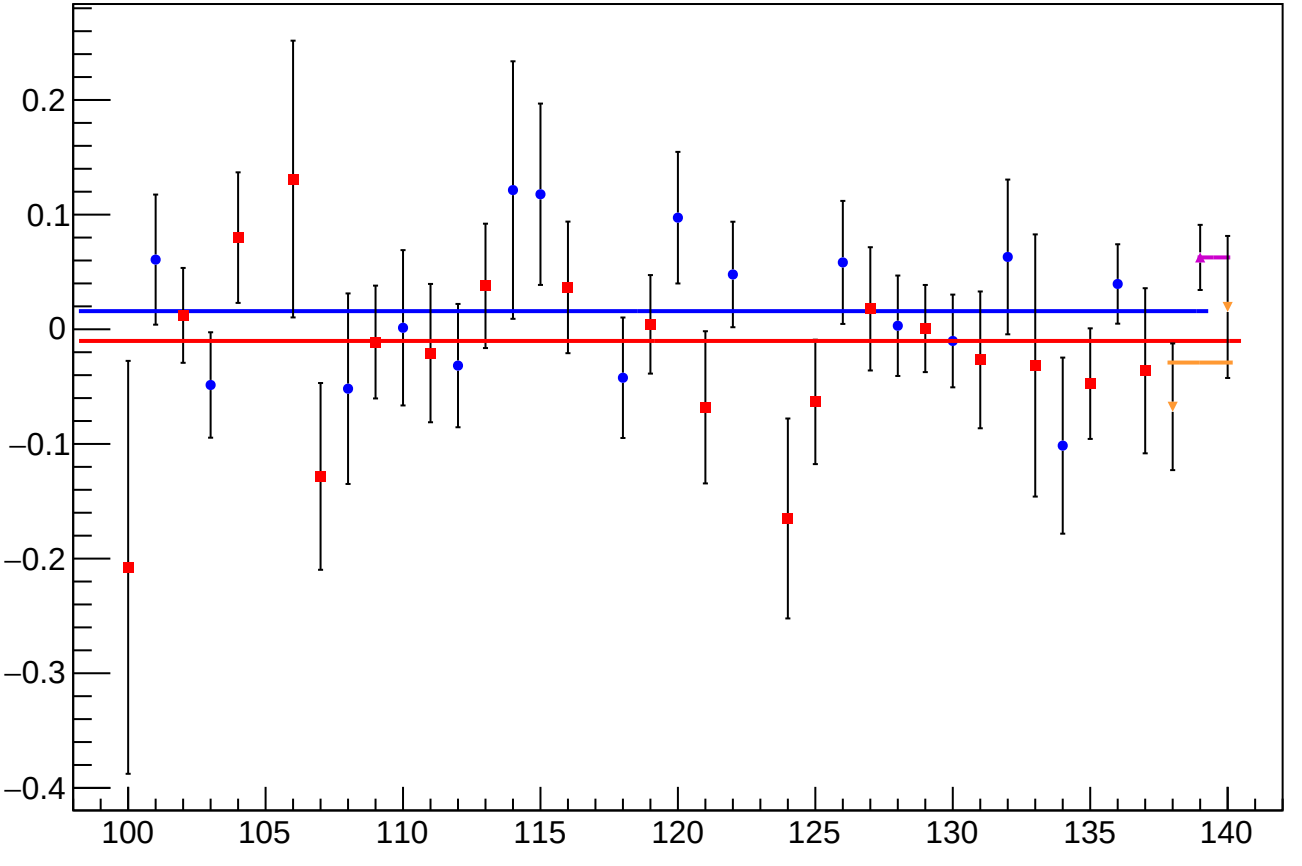
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 32.645+/-0.009 χ^2/NDF:552509.6/16

Out: 35.424+/-0.009 χ^2/NDF:901803.5/20

All: 33.982+/-0.006 χ^2/NDF: 1504945.8/37

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.029+/-0.041 χ^2/NDF:1.1/1

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.063+/-0.028 χ^2/NDF:0.0/0

Left: 0.033+/-0.023 χ^2/NDF: 4.5/2

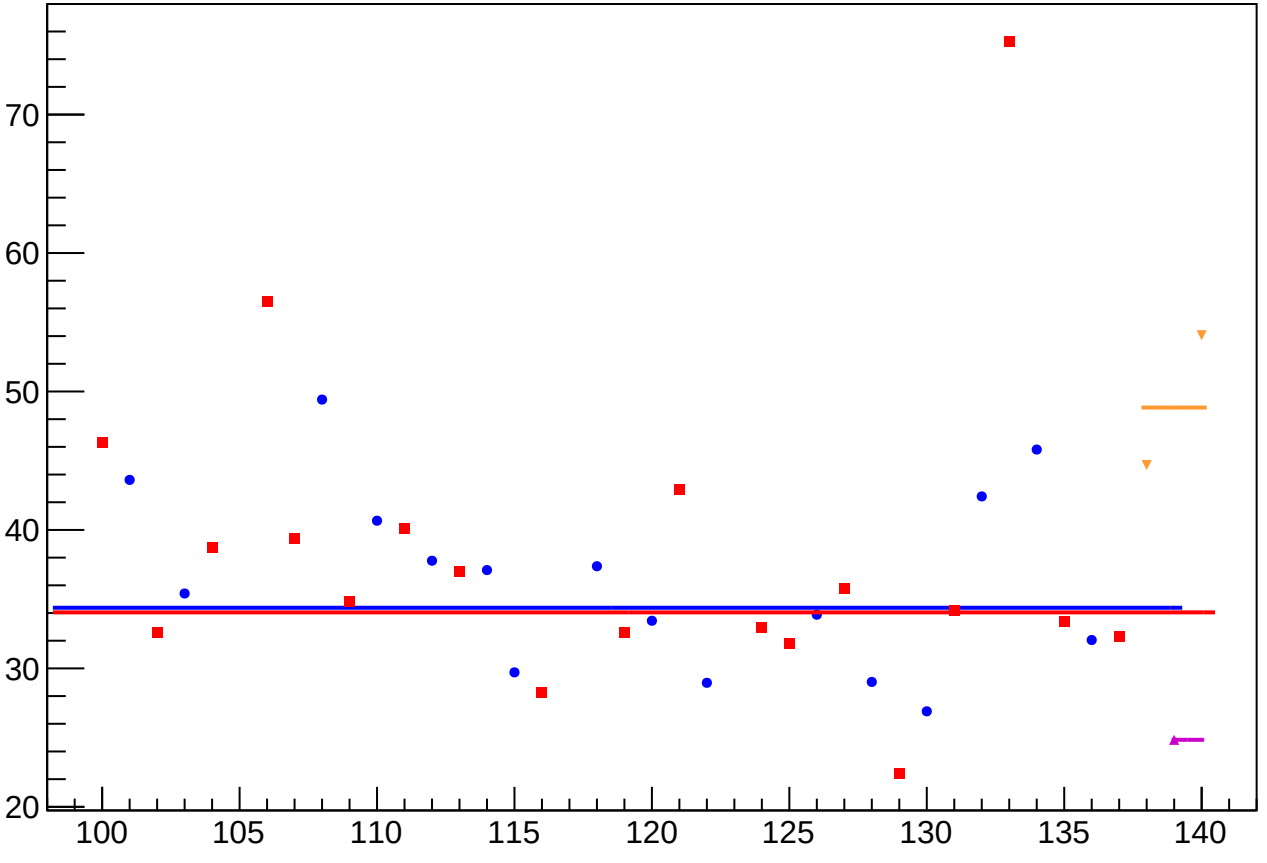
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.024+/-0.012 χ^2/NDF:17.0/16

Out: -0.012+/-0.013 χ^2/NDF:16.4/20

All: 0.007+/-0.009 χ^2/NDF: 37.7/37

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 48.840+/-0.029 χ^2/NDF:25538.2/1

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 24.843+/-0.020 χ^2/NDF:0.0/0

Left: 32.565+/-0.017 χ^2/NDF: 485094.1/2

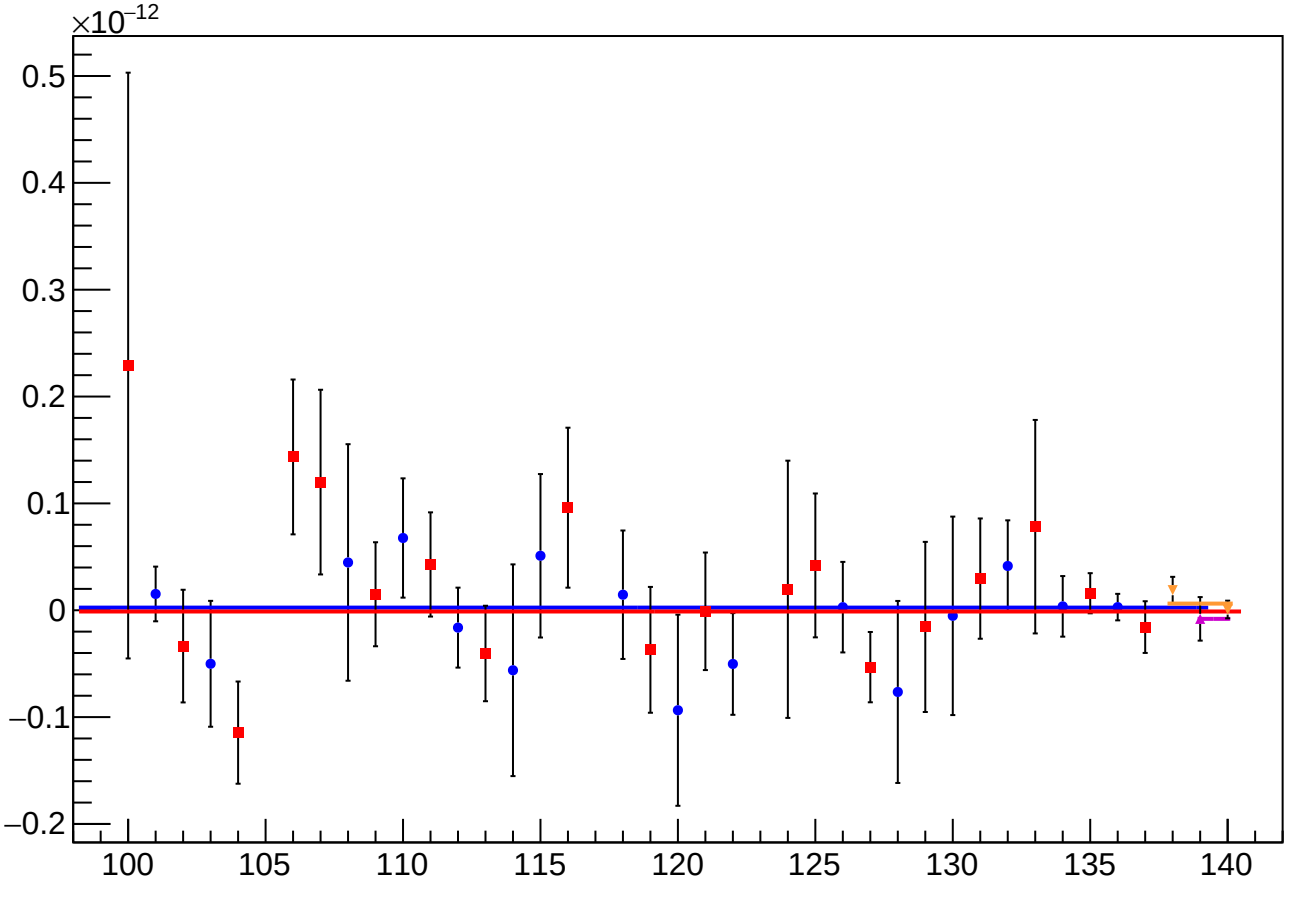
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 32.645+/-0.009 χ^2/NDF:552509.6/16

Out: 35.424+/-0.009 χ^2/NDF:901803.5/20

All: 33.982+/-0.006 χ^2/NDF: 1504945.8/37

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/0

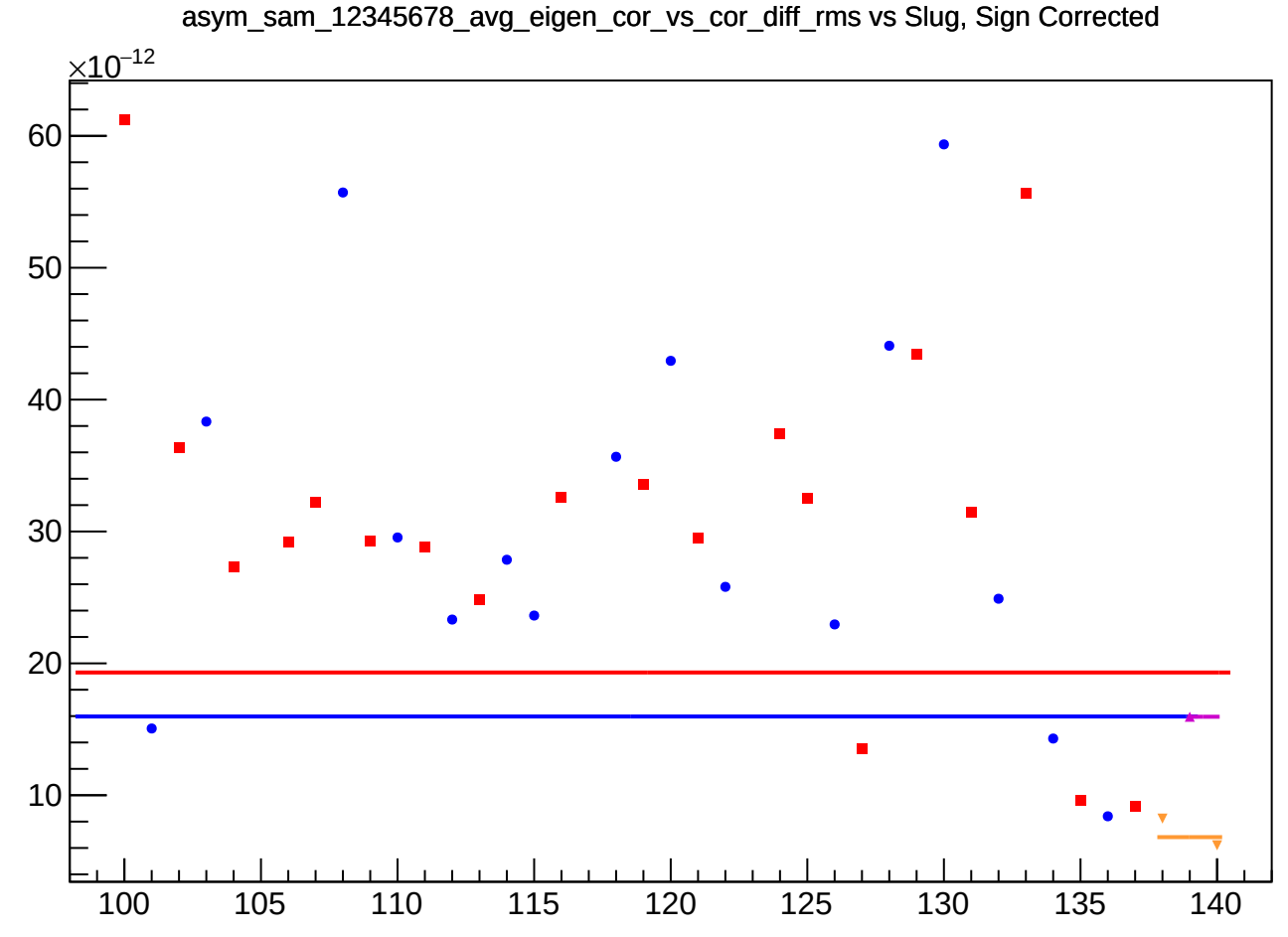
Left: 0.000+/-0.000 χ^2/NDF: 1.9/2

Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:7.9/16

Out: 0.000+/-0.000 χ^2/NDF:23.3/20

All: 0.000+/-0.000 χ^2/NDF: 31.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:36655.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

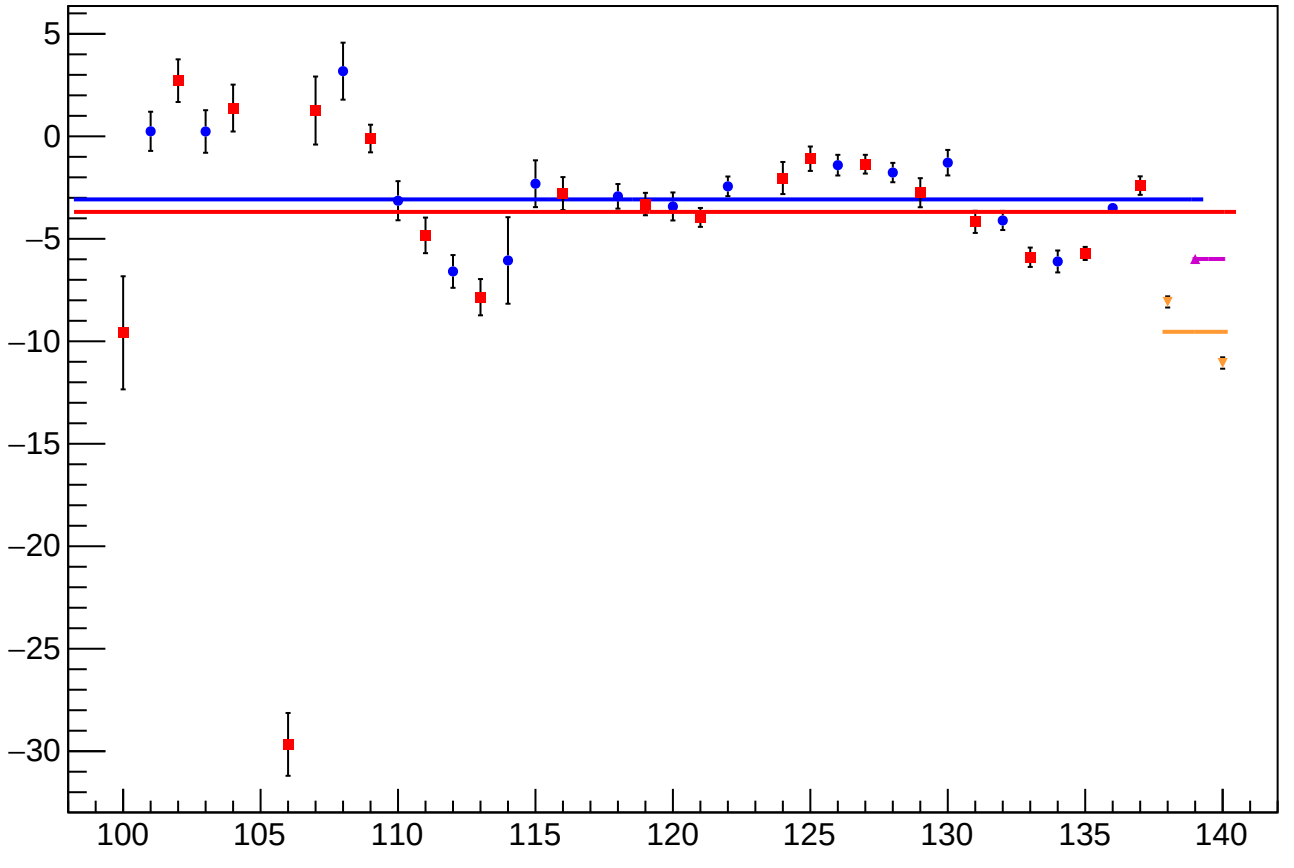
Left: 0.000+/-0.000 χ^2/NDF: 396928.8/2

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:2822280.1/16

Out: 0.000+/-0.000 χ^2/NDF:4532914.8/20

All: 0.000+/-0.000 χ^2/NDF: 7919772.0/37



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -9.537+/-0.194 χ^2/NDF:58.9/1

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -5.984+/-0.240 χ^2/NDF:0.0/0

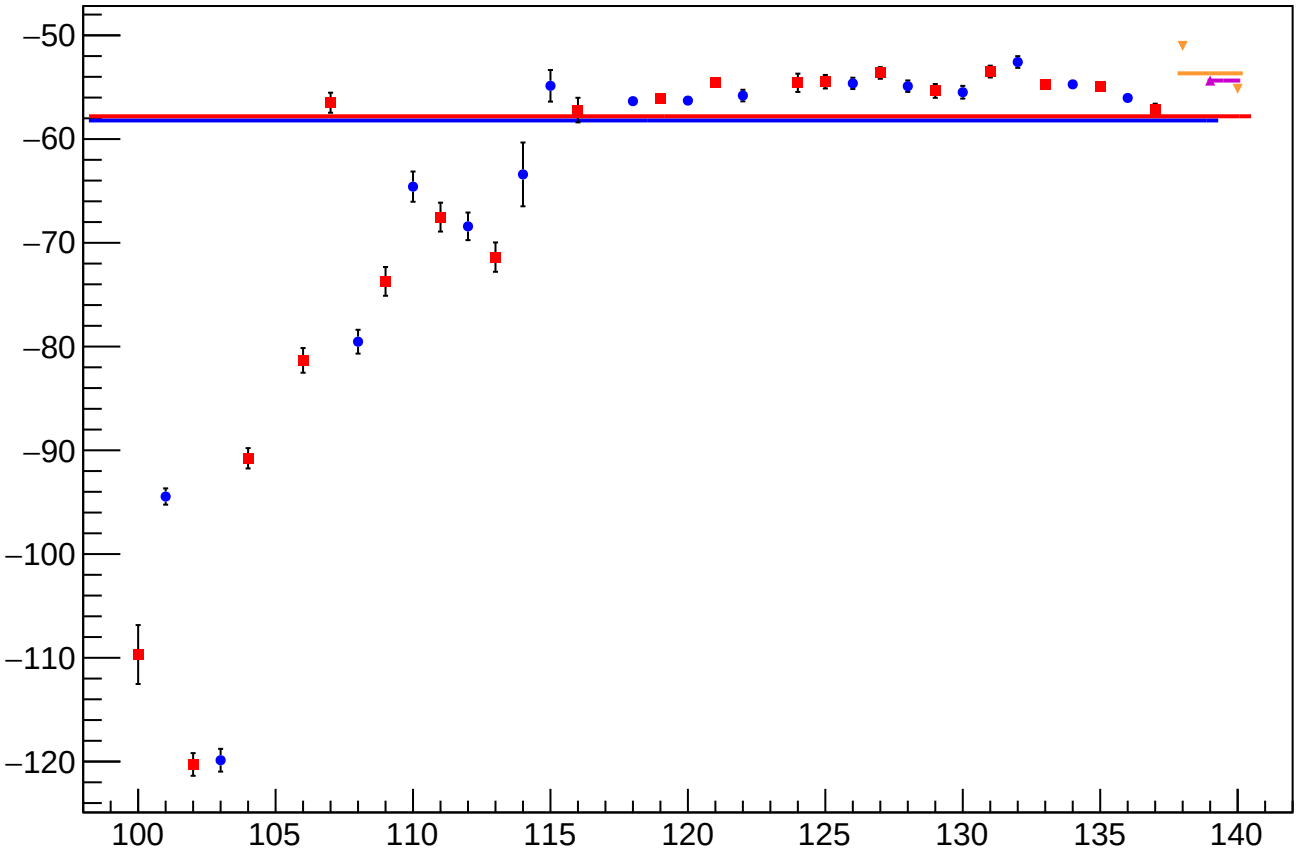
Left: -8.131+/-0.151 χ^2/NDF: 191.4/2

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -3.777+/-0.118 χ^2/NDF:245.1/16

Out: -5.692+/-0.114 χ^2/NDF:1190.3/20

All: -4.769+/-0.082 χ^2/NDF: 1572.2/37



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -53.664+/-0.188 χ^2/NDF:111.5/1

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -54.360+/-0.433 χ^2/NDF:0.0/0

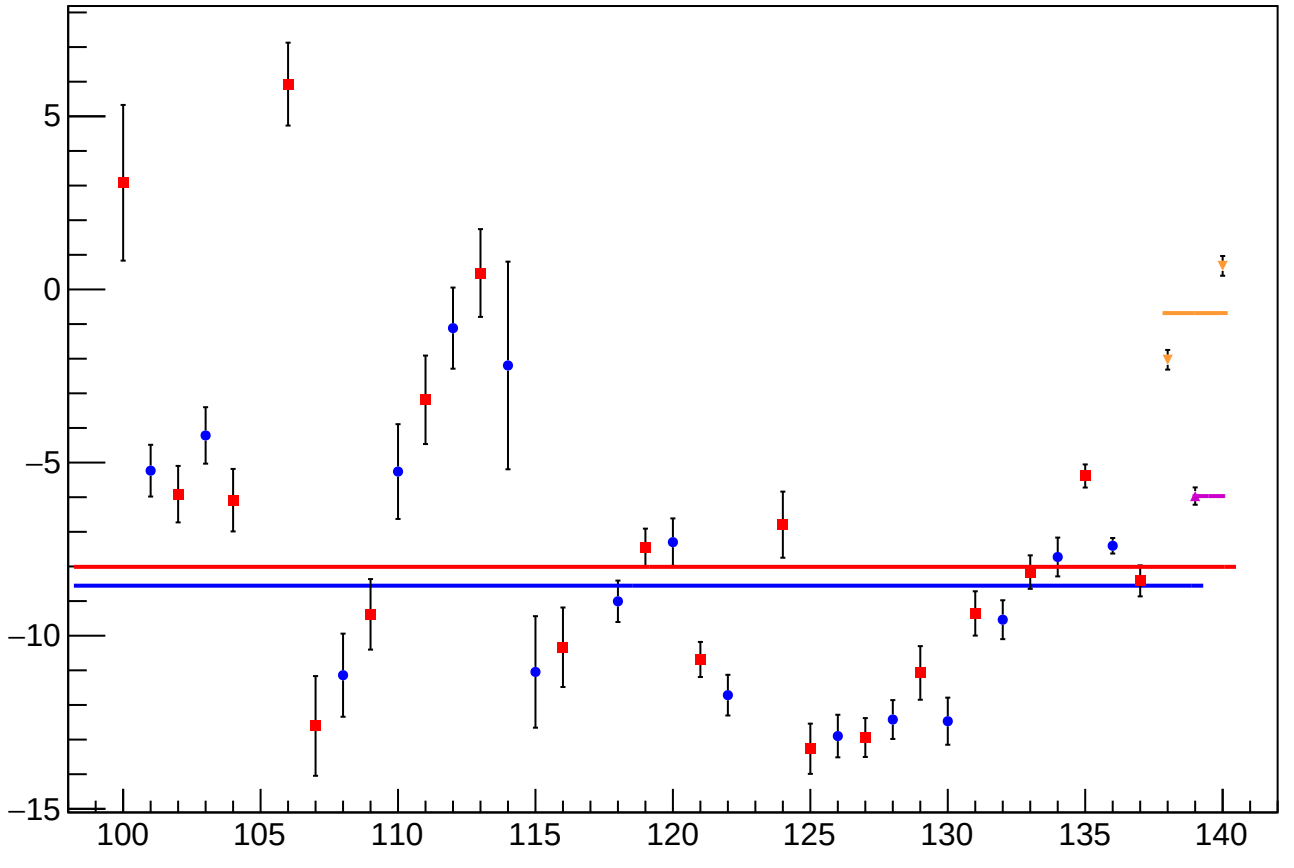
Left: -53.775+/-0.173 χ^2/NDF: 113.7/2

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -57.861+/-0.129 χ^2/NDF:6198.8/16

Out: -56.349+/-0.112 χ^2/NDF:6218.3/20

All: -56.993+/-0.084 χ^2/NDF: 12495.4/37



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -0.682+/-0.201 χ^2/NDF:45.4/1

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -5.967+/-0.250 χ^2/NDF:0.0/0

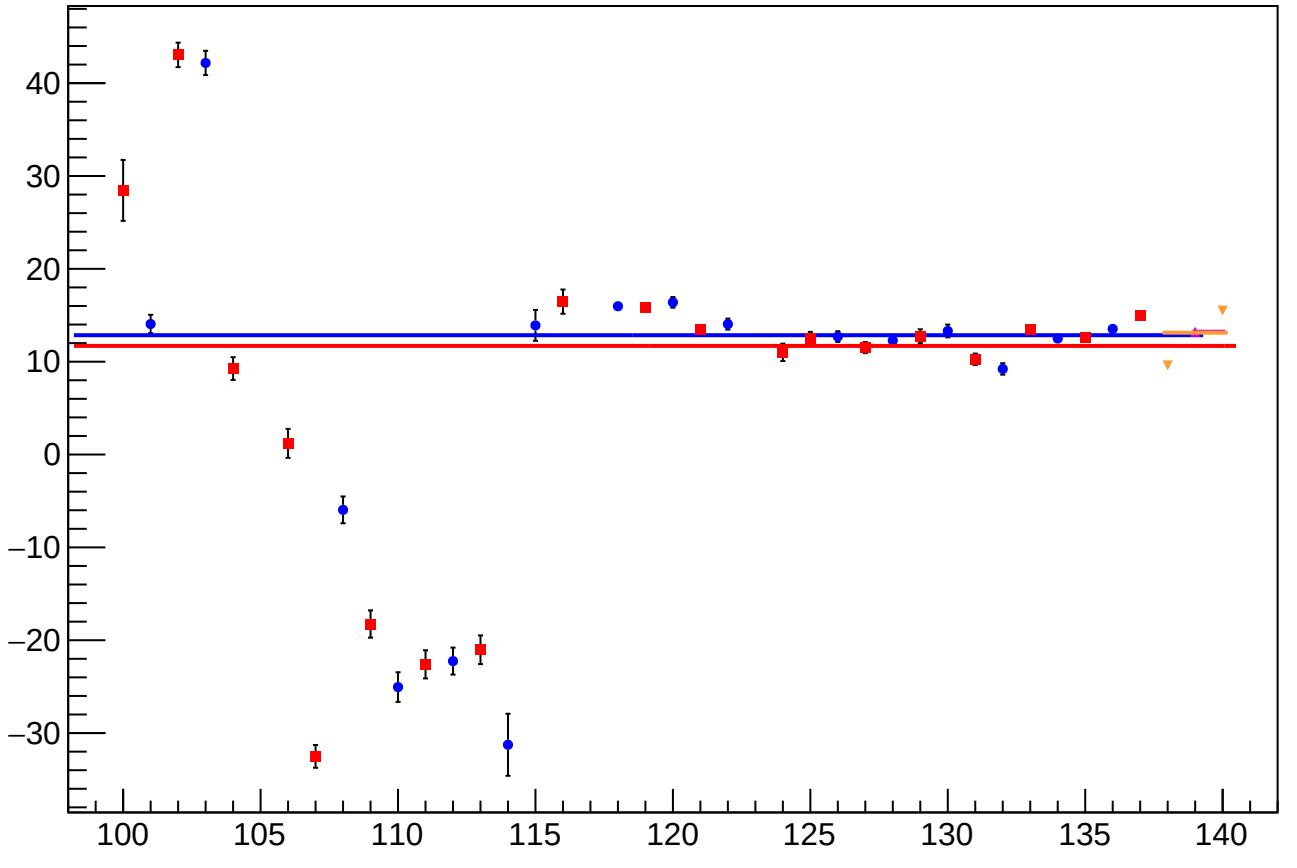
Left: -2.761+/-0.157 χ^2/NDF: 316.3/2

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.906+/-0.125 χ^2/NDF:380.9/16

Out: -5.330+/-0.122 χ^2/NDF:1374.8/20

All: -6.582+/-0.087 χ^2/NDF: 1973.2/37



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.125+/-0.217 χ^2/NDF:176.7/1

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 13.226+/-0.415 χ^2/NDF:0.0/0

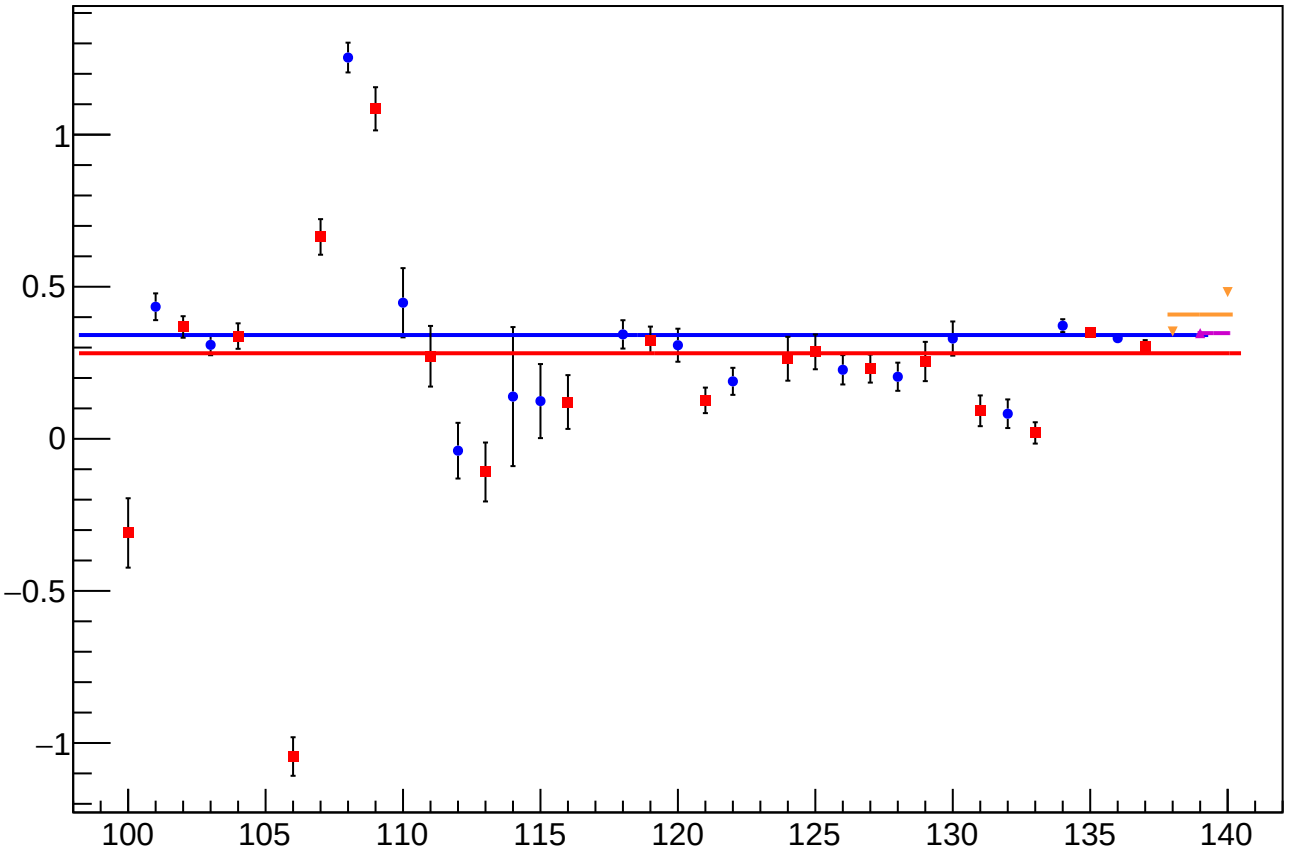
Left: 13.147+/-0.193 χ^2/NDF: 176.7/2

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 12.896+/-0.141 χ^2/NDF:2129.1/16

Out: 12.180+/-0.126 χ^2/NDF:3704.0/20

All: 12.498+/-0.094 χ^2/NDF: 5847.4/37



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.409+/-0.008 χ^2/NDF:60.0/1

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.347+/-0.009 χ^2/NDF:0.0/0

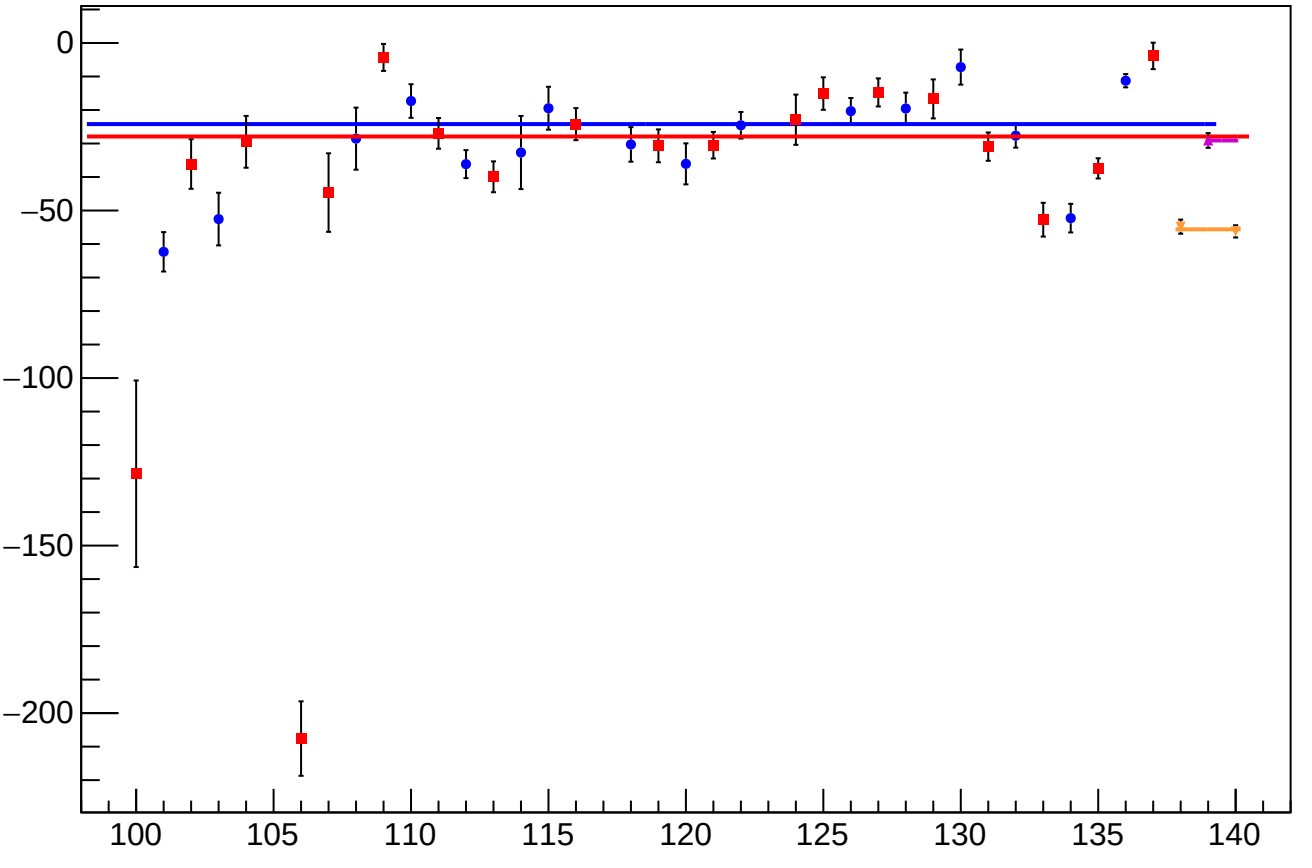
Left: 0.380+/-0.006 χ^2/NDF: 85.3/2

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.344+/-0.006 χ^2/NDF:435.1/16

Out: 0.346+/-0.006 χ^2/NDF:953.1/20

All: 0.345+/-0.004 χ^2/NDF: 1388.3/37



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -55.618+/-1.383 χ^2/NDF:0.3/1

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -29.094+/-2.203 χ^2/NDF:0.0/0

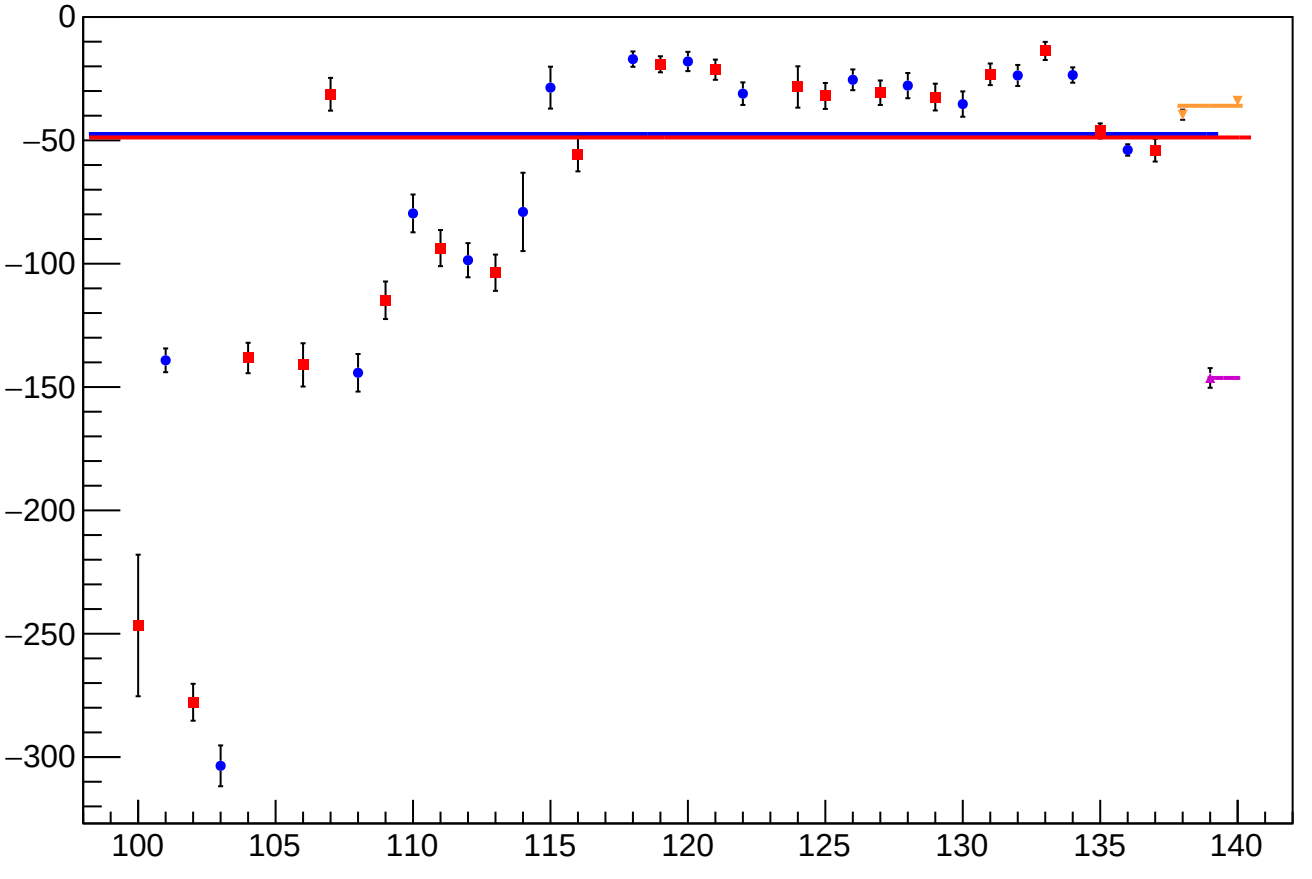
Left: -48.121+/-1.171 χ^2/NDF: 104.2/2

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -25.161+/-0.974 χ^2/NDF:174.7/16

Out: -39.081+/-0.878 χ^2/NDF:653.2/20

All: -32.841+/-0.652 χ^2/NDF: 940.5/37



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -35.976+/-1.222 χ^2/NDF:4.8/1

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -146.312+/-3.985 χ^2/NDF:0.0/0

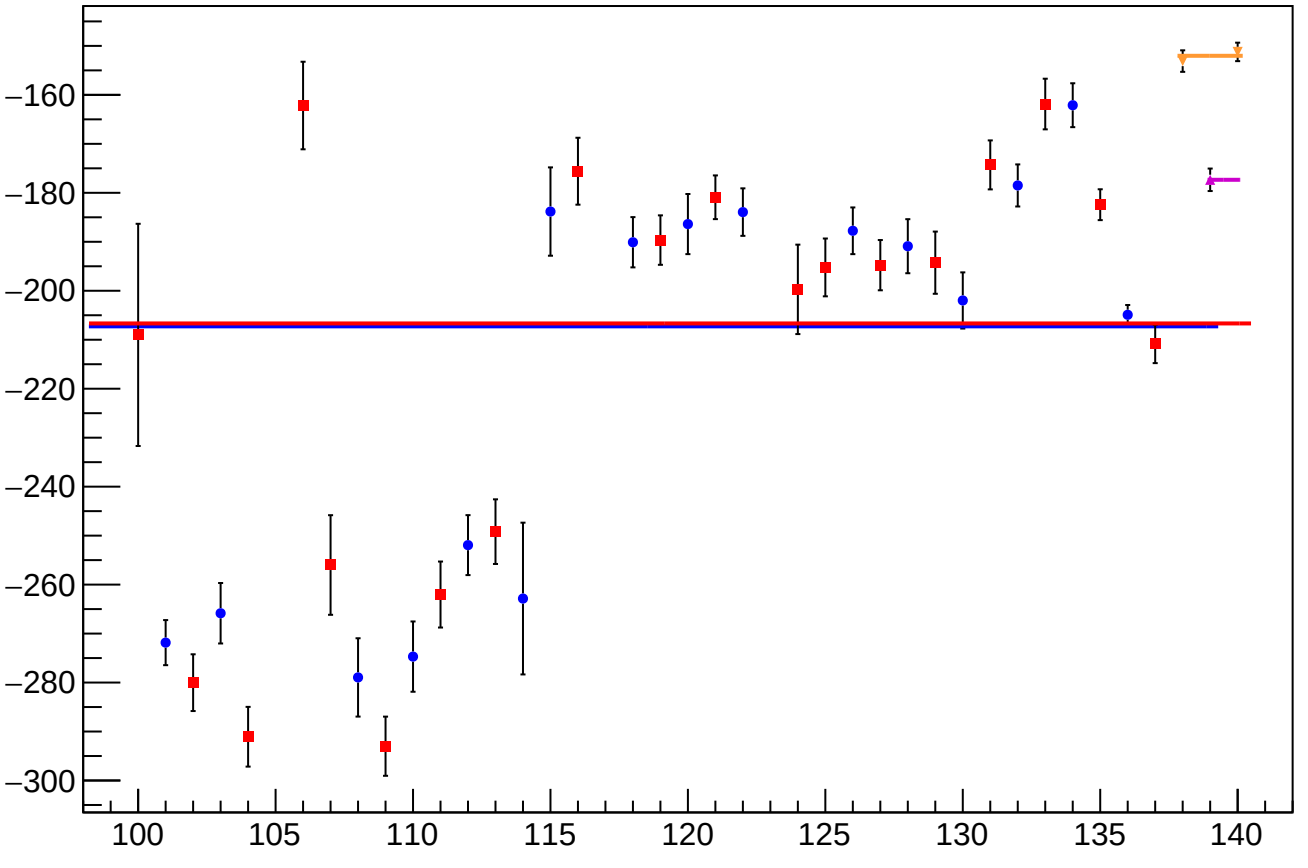
Left: -45.462+/-1.169 χ^2/NDF: 705.4/2

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -54.432+/-1.061 χ^2/NDF:2445.5/16

Out: -42.617+/-0.850 χ^2/NDF:1836.6/20

All: -47.234+/-0.663 χ^2/NDF: 4357.6/37



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -152.023+/-1.431 χ^2/NDF:0.4/1

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -177.342+/-2.295 χ^2/NDF:0.0/0

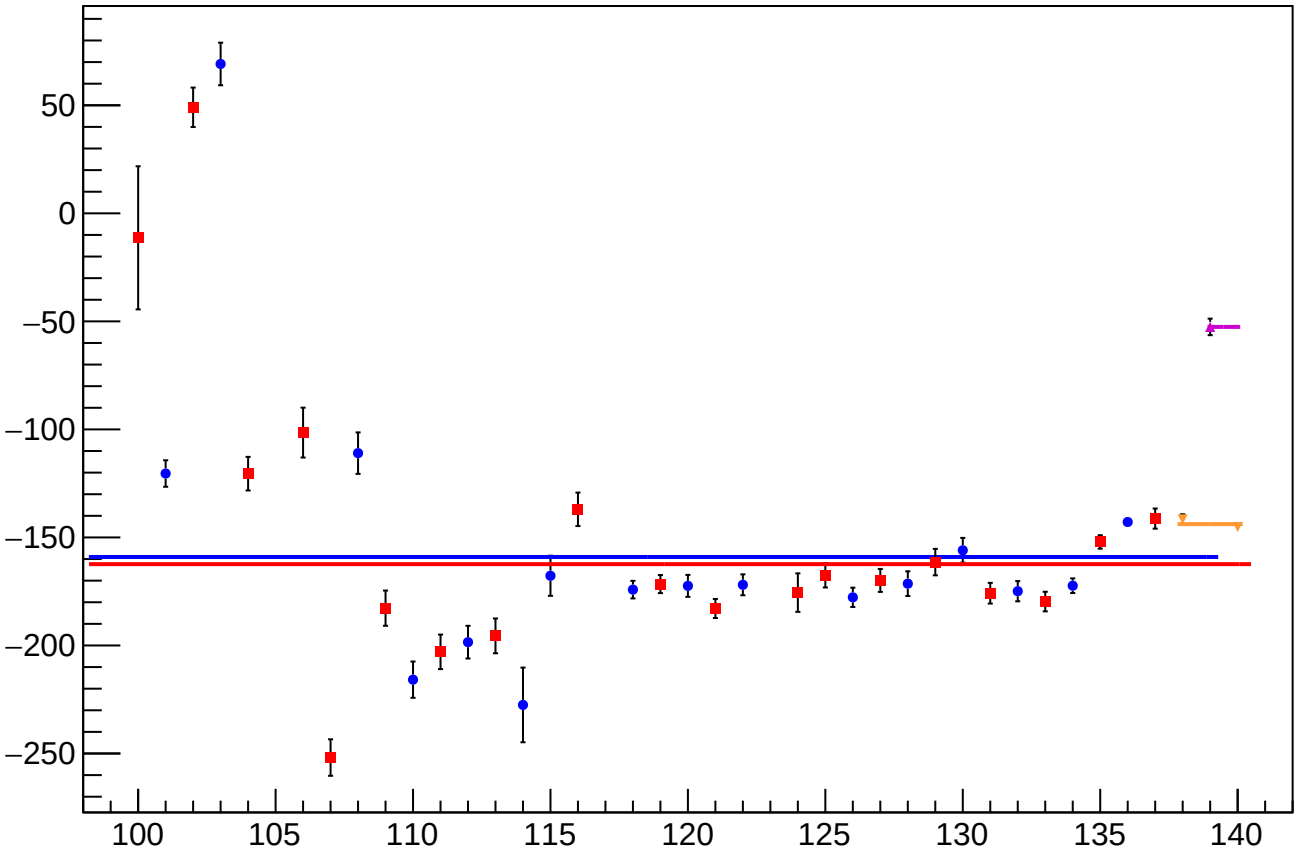
Left: -159.110+/-1.214 χ^2/NDF: 88.0/2

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -201.025+/-1.048 χ^2/NDF:883.0/16

Out: -182.396+/-0.954 χ^2/NDF:1780.3/20

All: -190.834+/-0.705 χ^2/NDF: 2836.0/37



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -143.839+/-1.446 χ^2/NDF:1.4/1

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -52.567+/-3.823 χ^2/NDF:0.0/0

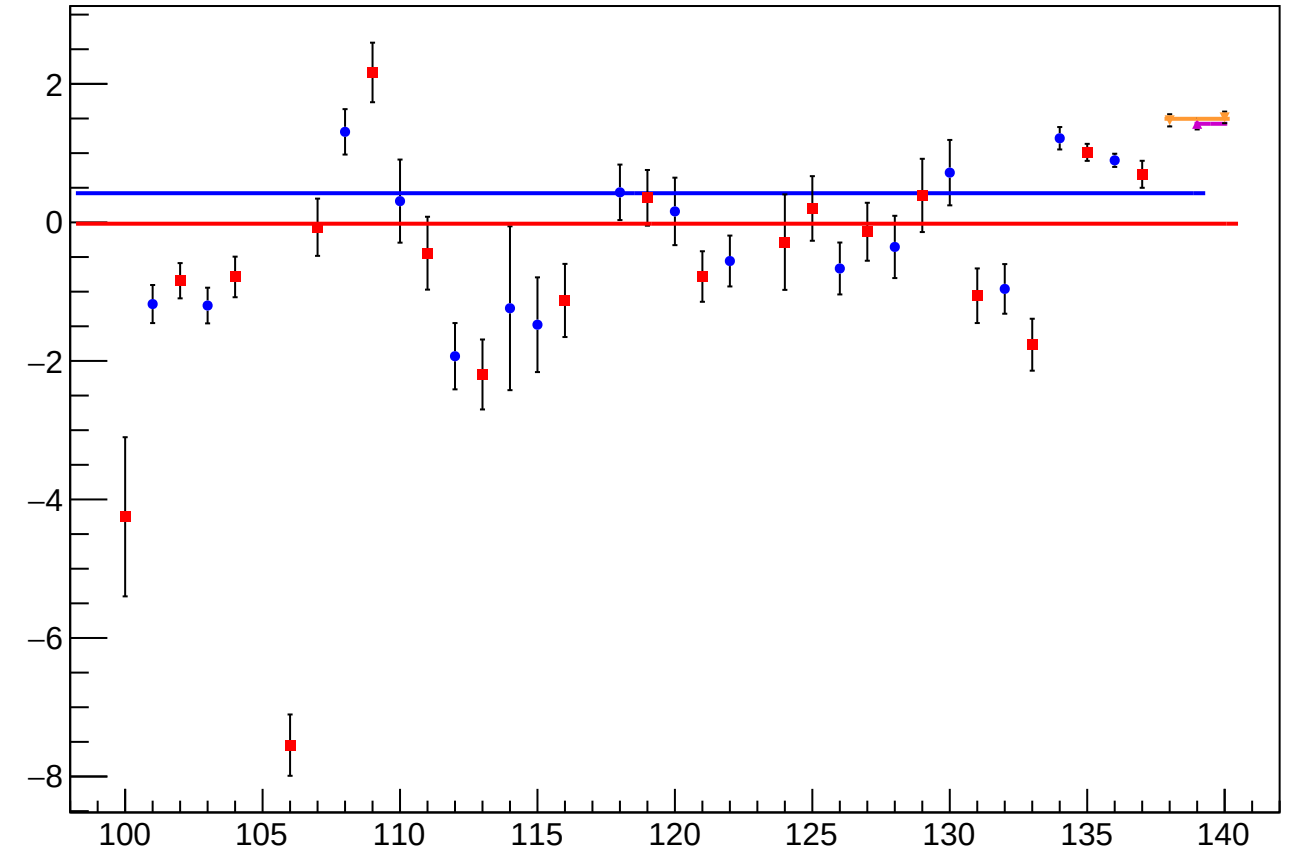
Left: -132.416+/-1.352 χ^2/NDF: 500.1/2

Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -149.127+/-1.167 χ^2/NDF:1519.2/16

Out: -153.918+/-0.977 χ^2/NDF:963.3/20

All: -151.945+/-0.749 χ^2/NDF: 2492.5/37



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.496+/-0.061 χ^2/NDF:0.1/1

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.424+/-0.082 χ^2/NDF:0.0/0

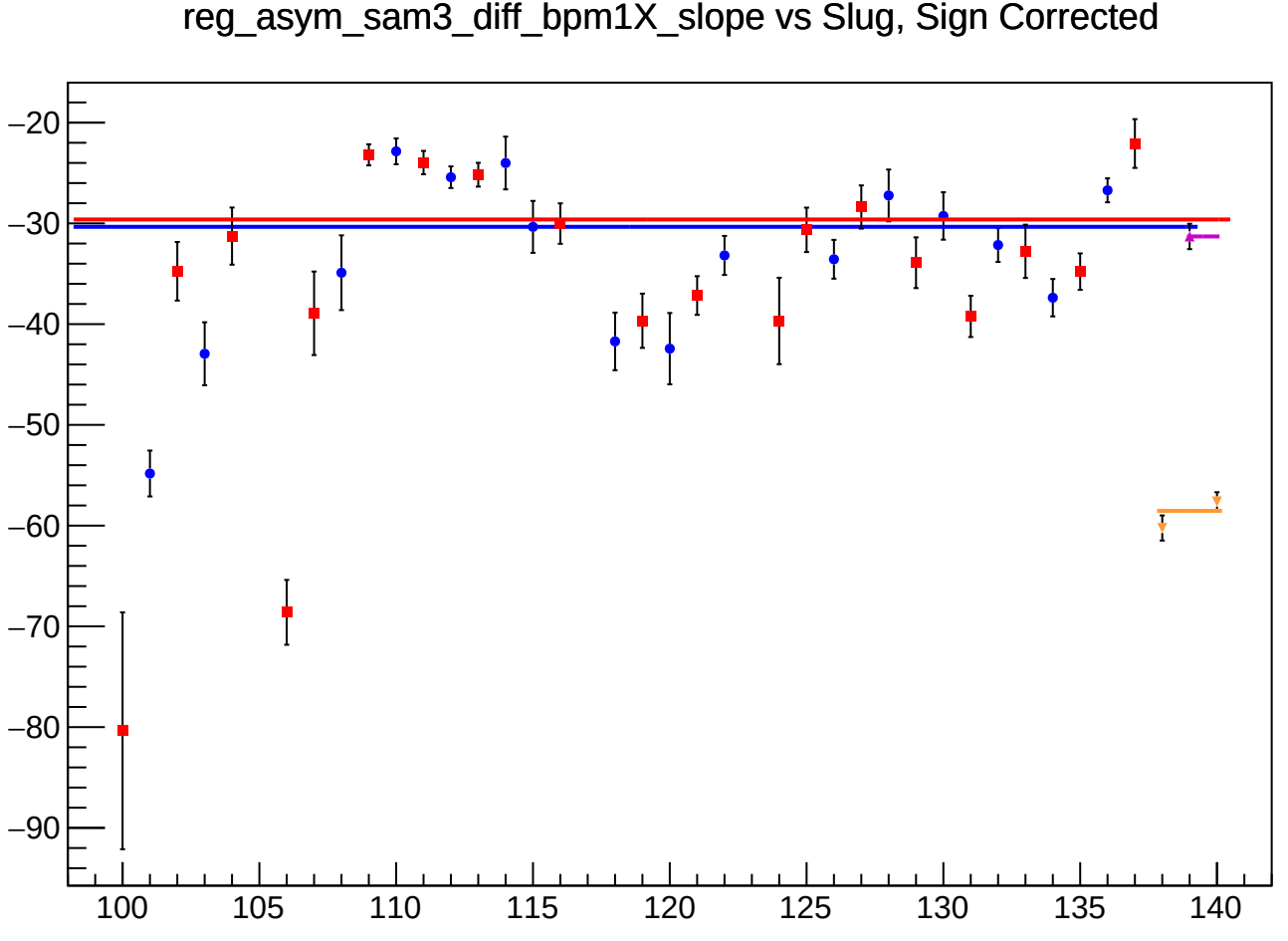
Left: 1.470+/-0.049 χ^2/NDF: 0.6/2

Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 0.807+/-0.051 χ^2/NDF:289.5/16

Out: 0.869+/-0.047 χ^2/NDF:745.5/20

All: 0.841+/-0.034 χ^2/NDF: 1035.8/37



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -58.533+/-0.741 χ^2/NDF:2.9/1

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -31.297+/-1.259 χ^2/NDF:0.0/0

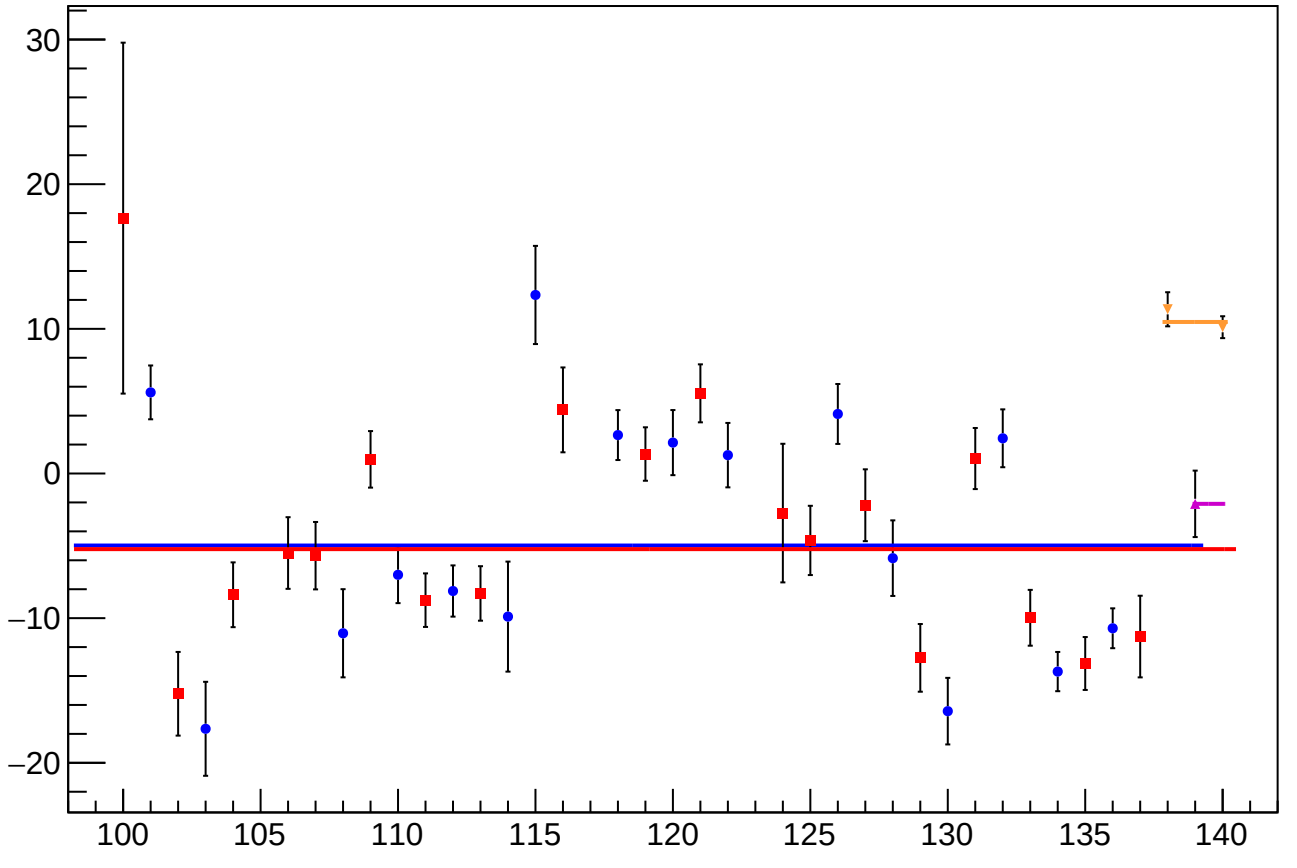
Left: -51.524+/-0.639 χ^2/NDF: 350.6/2

Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

In: -30.457+/-0.439 χ^2/NDF:254.1/16

Out: -37.417+/-0.385 χ^2/NDF:1444.3/20

All: -34.388+/-0.289 χ^2/NDF: 1840.7/37



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: 10.475+/-0.637 χ^2/NDF:0.8/1

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -2.098+/-2.297 χ^2/NDF:0.0/0

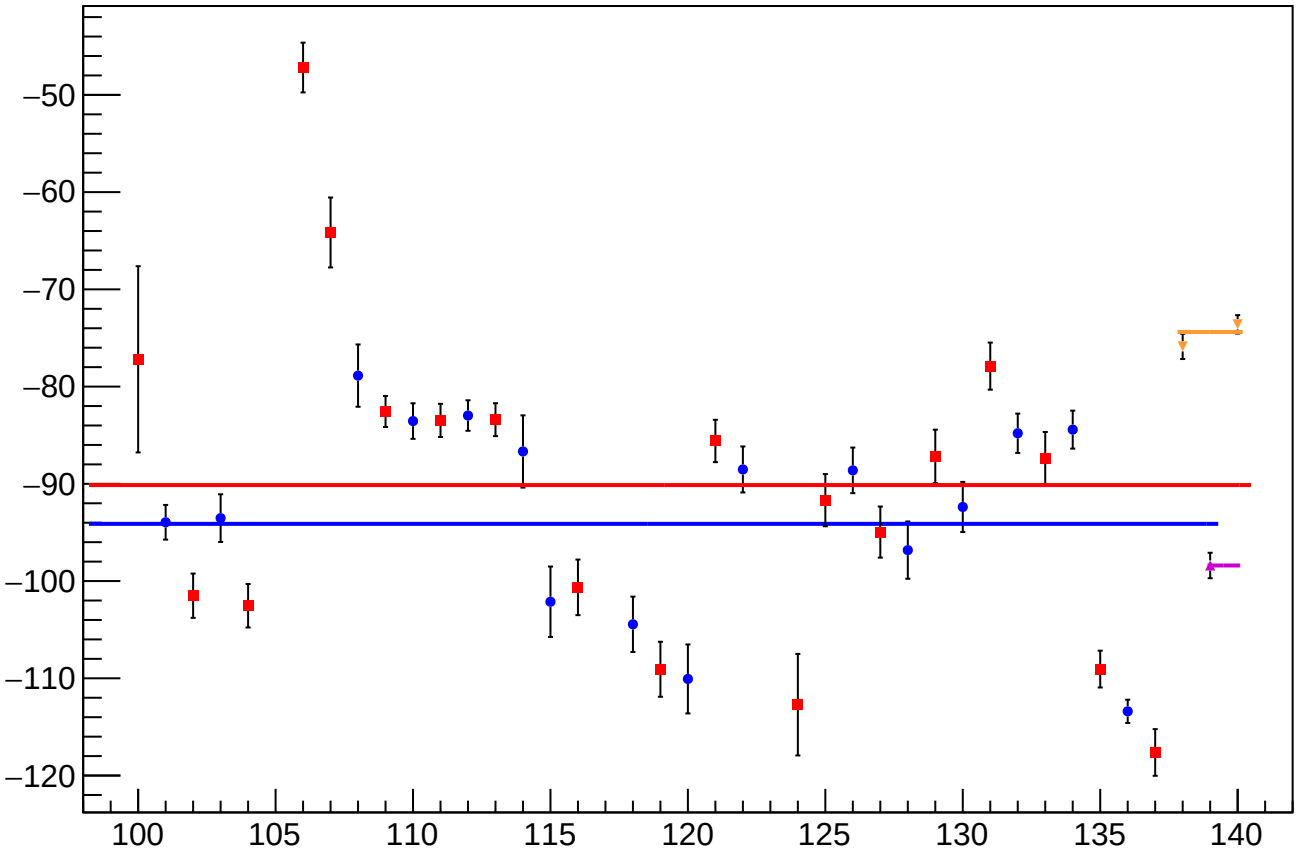
Left: 9.578+/-0.614 χ^2/NDF: 28.6/2

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -4.844+/-0.497 χ^2/NDF:238.8/16

Out: 1.107+/-0.404 χ^2/NDF:500.1/20

All: -1.261+/-0.314 χ^2/NDF: 825.0/37



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -74.383+/-0.766 χ^2/NDF:2.0/1

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -98.397+/-1.310 χ^2/NDF:0.0/0

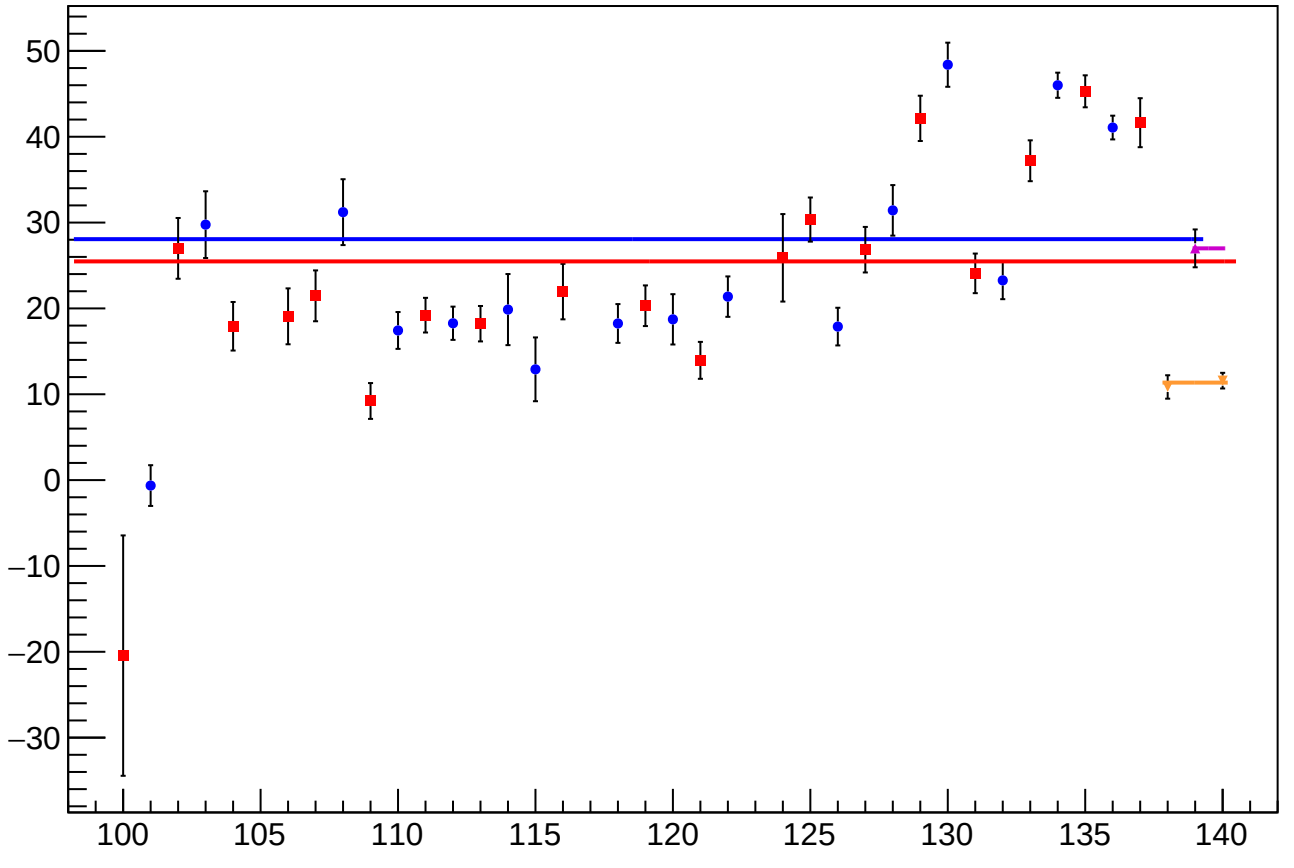
Left: -80.500+/-0.661 χ^2/NDF: 252.6/2

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -94.732+/-0.497 χ^2/NDF:476.0/16

Out: -84.859+/-0.443 χ^2/NDF:1072.7/20

All: -89.230+/-0.331 χ^2/NDF: 1768.7/37



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 11.358+/-0.758 χ^2/NDF:0.2/1

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 26.996+/-2.205 χ^2/NDF:0.0/0

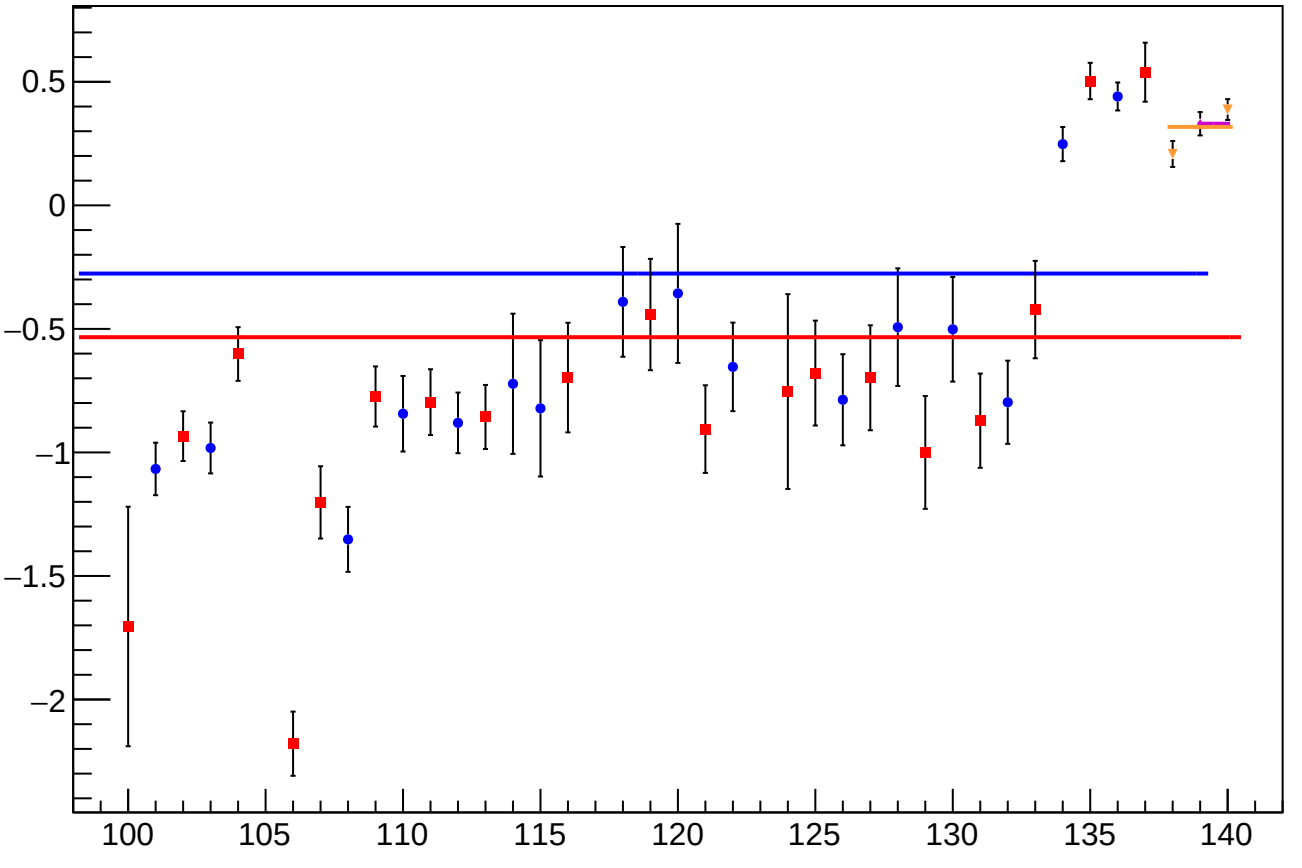
Left: 13.012+/-0.717 χ^2/NDF: 45.2/2

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 28.001+/-0.551 χ^2/NDF:583.3/16

Out: 20.148+/-0.466 χ^2/NDF:570.7/20

All: 23.422+/-0.356 χ^2/NDF: 1272.5/37



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.318+/-0.033 χ^2/NDF:7.1/1

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.330+/-0.047 χ^2/NDF:0.0/0

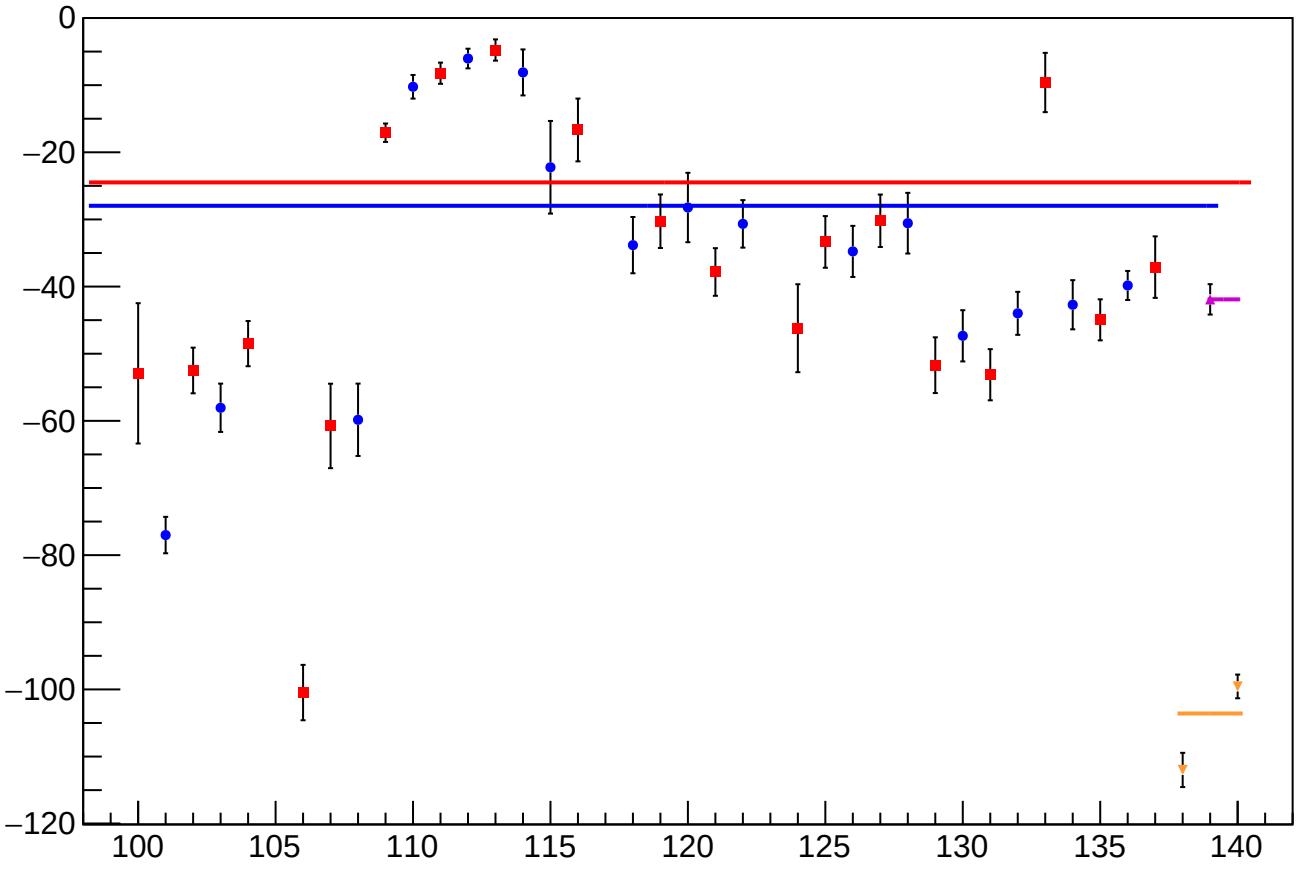
Left: 0.322+/-0.027 χ^2/NDF: 7.2/2

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: -0.097+/-0.026 χ^2/NDF:571.6/16

Out: -0.108+/-0.023 χ^2/NDF:852.7/20

All: -0.103+/-0.017 χ^2/NDF: 1424.4/37



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -103.587+/-1.452 χ^2/NDF:16.1/1

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -41.906+/-2.264 χ^2/NDF:0.0/0

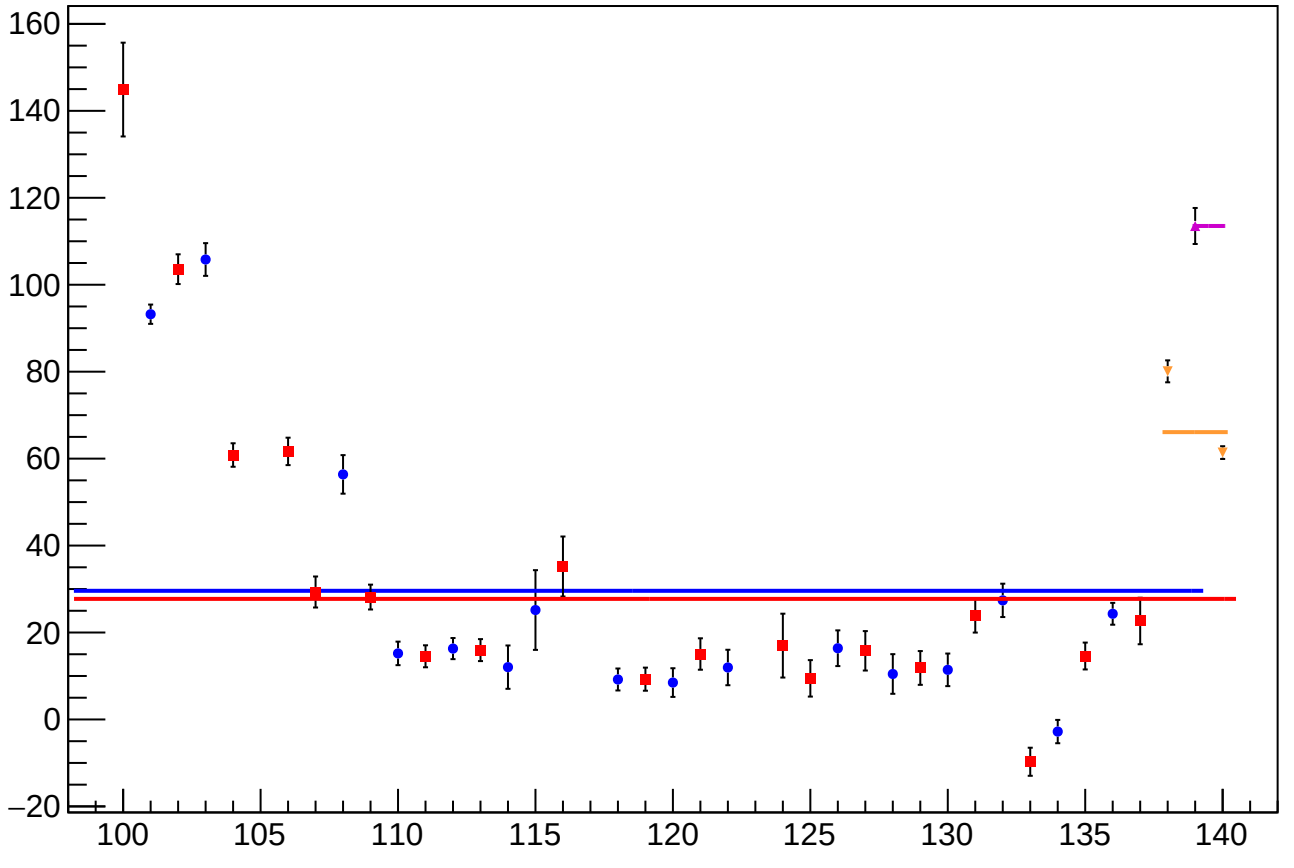
Left: -85.615+/-1.222 χ^2/NDF: 542.1/2

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -29.272+/-0.693 χ^2/NDF:929.0/16

Out: -38.132+/-0.603 χ^2/NDF:3462.8/20

All: -34.313+/-0.455 χ^2/NDF: 4484.8/37



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 66.096+/-1.268 χ^2/NDF:41.0/1

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 113.516+/-4.143 χ^2/NDF:0.0/0

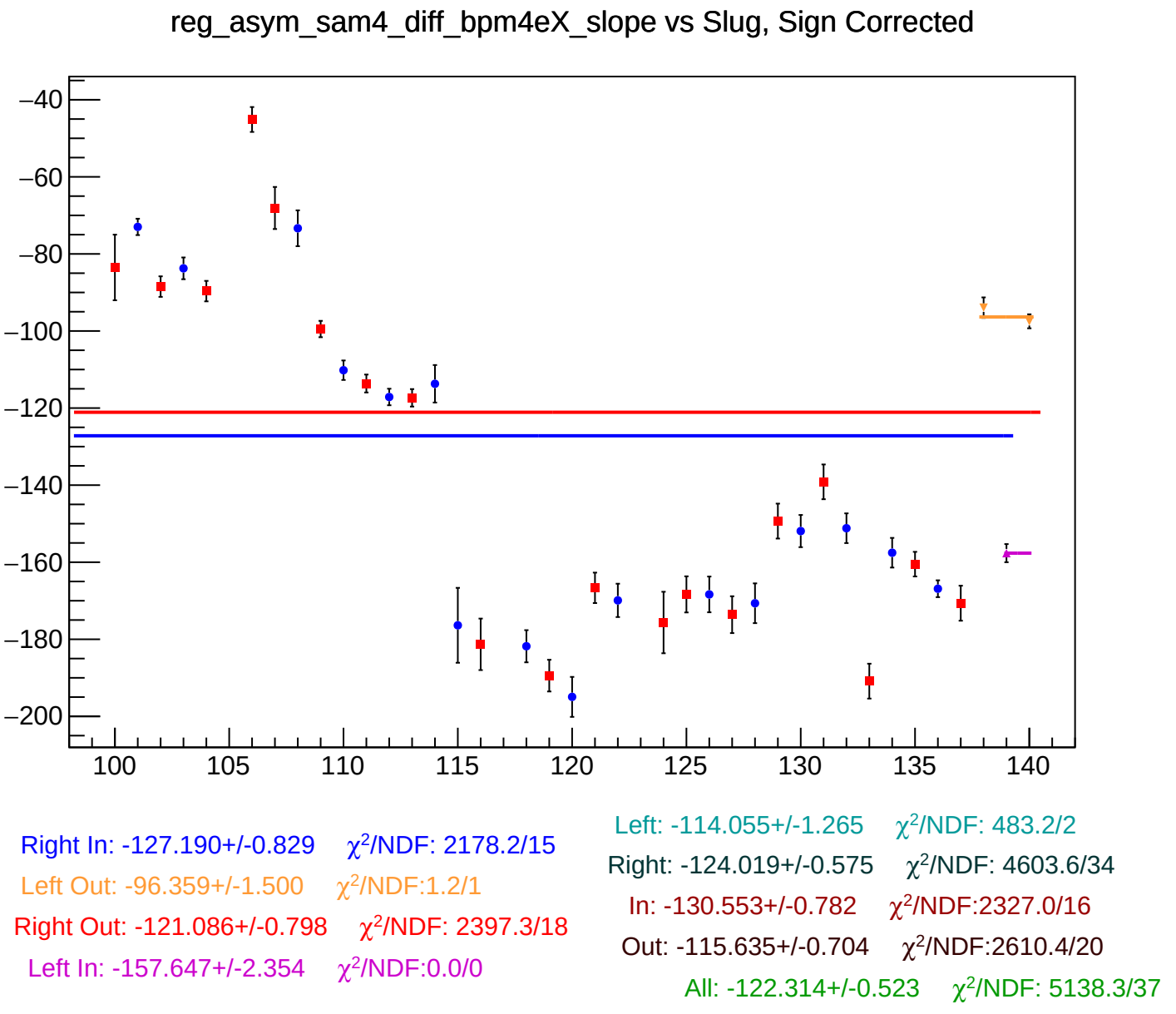
Left: 70.158+/-1.213 χ^2/NDF: 160.7/2

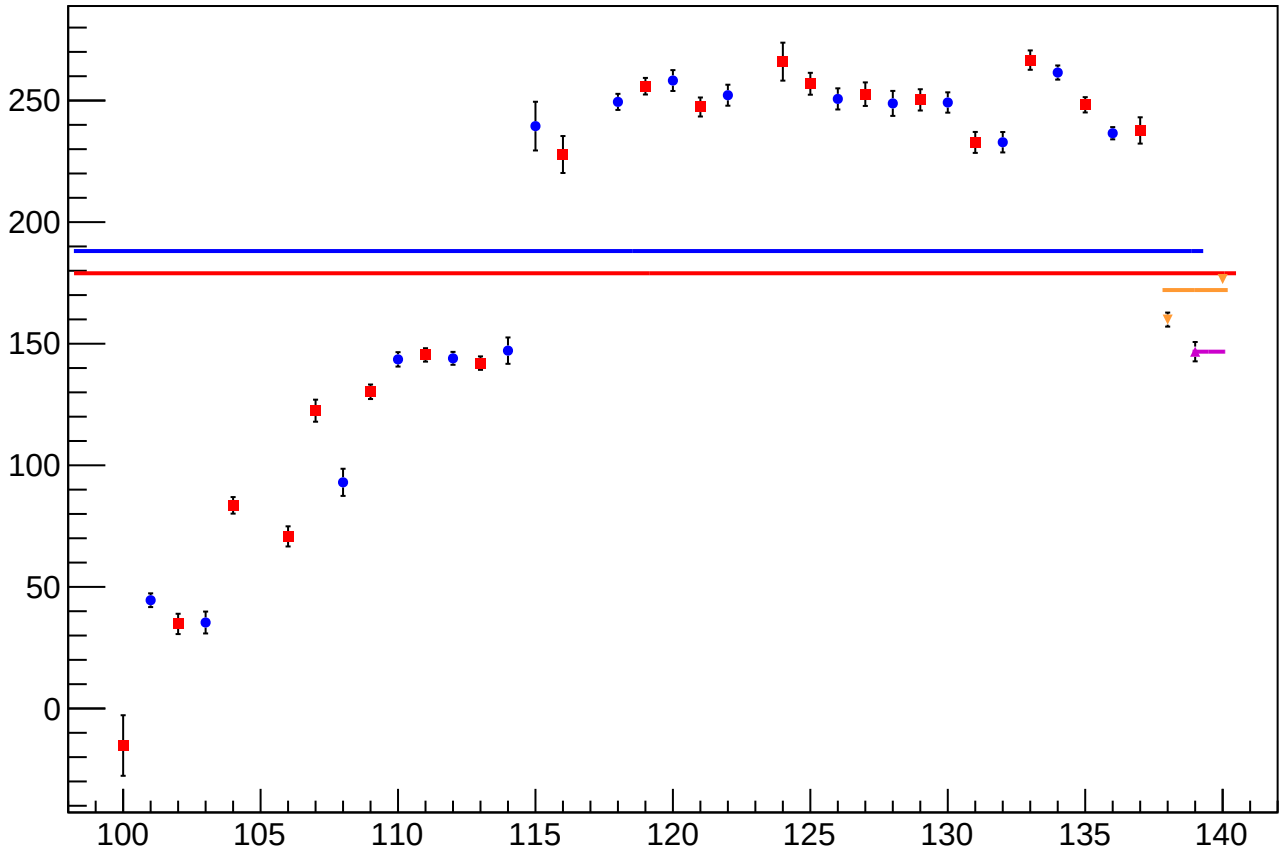
Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 32.663+/-0.792 χ^2/NDF:2061.0/16

Out: 38.597+/-0.675 χ^2/NDF:1882.0/20

All: 36.102+/-0.514 χ^2/NDF: 3975.5/37


reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−60
−80
−100
−120
−140
−160
−180
−200
100
105
110
115
120
125
130
135
140
Right In: -127.190+/-0.829 χ²/NDF: 2178.2/15
Left Out: -96.359+/-1.500 χ²/NDF:1.2/1
Right Out: -121.086+/-0.798 χ²/NDF: 2397.3/18
Left In: -157.647+/-2.354 χ²/NDF:0.0/0
Left: -114.055+/-1.265 χ²/NDF: 483.2/2
Right: -124.019+/-0.575 χ²/NDF: 4603.6/34
In: -130.553+/-0.782 χ²/NDF:2327.0/16
Out: -115.635+/-0.704 χ²/NDF:2610.4/20
All: -122.314+/-0.523 χ²/NDF: 5138.3/37



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 172.067+/-1.504 χ^2/NDF:24.3/1

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 146.729+/-3.978 χ^2/NDF:0.0/0

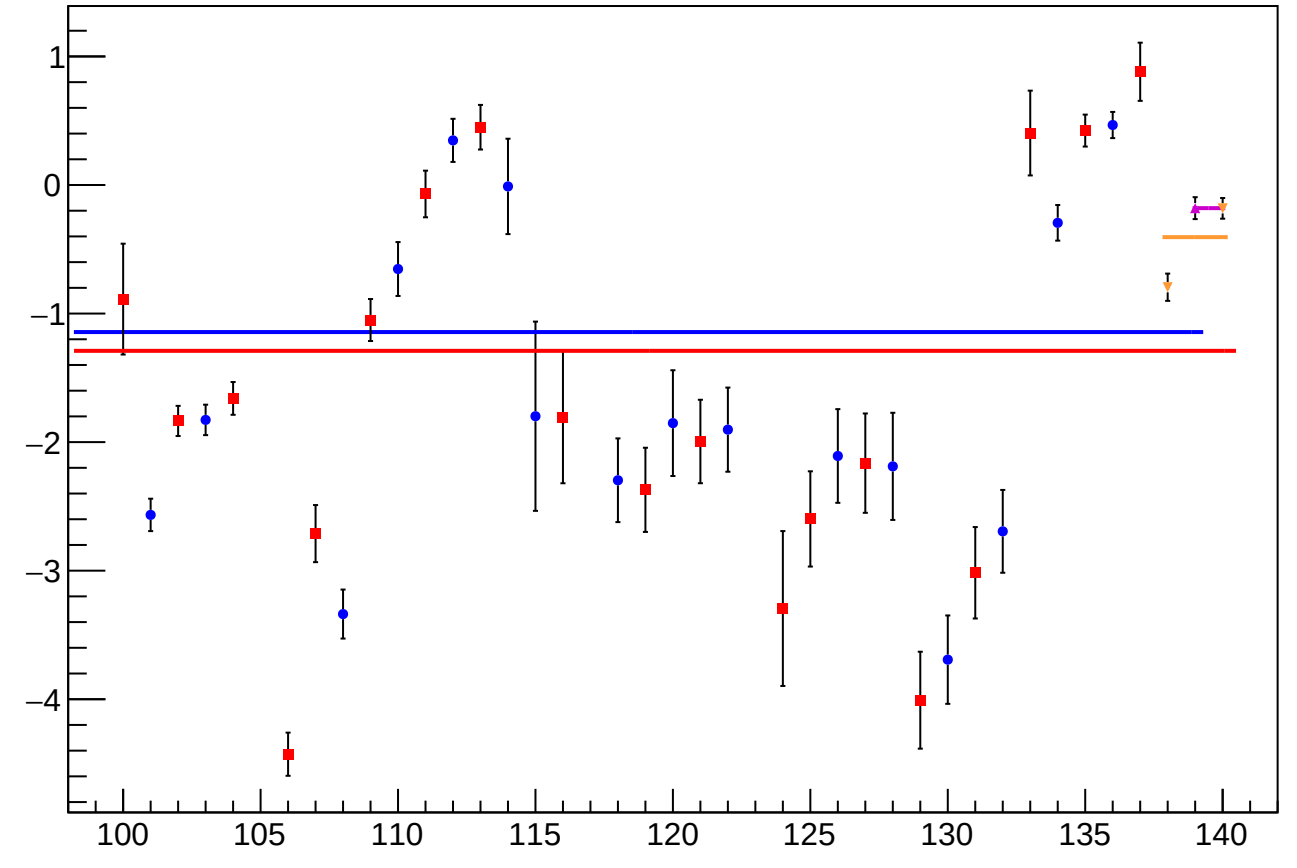
Left: 168.897+/-1.407 χ^2/NDF: 59.8/2

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 186.015+/-0.895 χ^2/NDF:7221.3/16

Out: 177.127+/-0.777 χ^2/NDF:6708.6/20

All: 180.951+/-0.587 χ^2/NDF: 13986.1/37



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.406+/-0.064 χ^2/NDF:21.3/1

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.180+/-0.085 χ^2/NDF:0.0/0

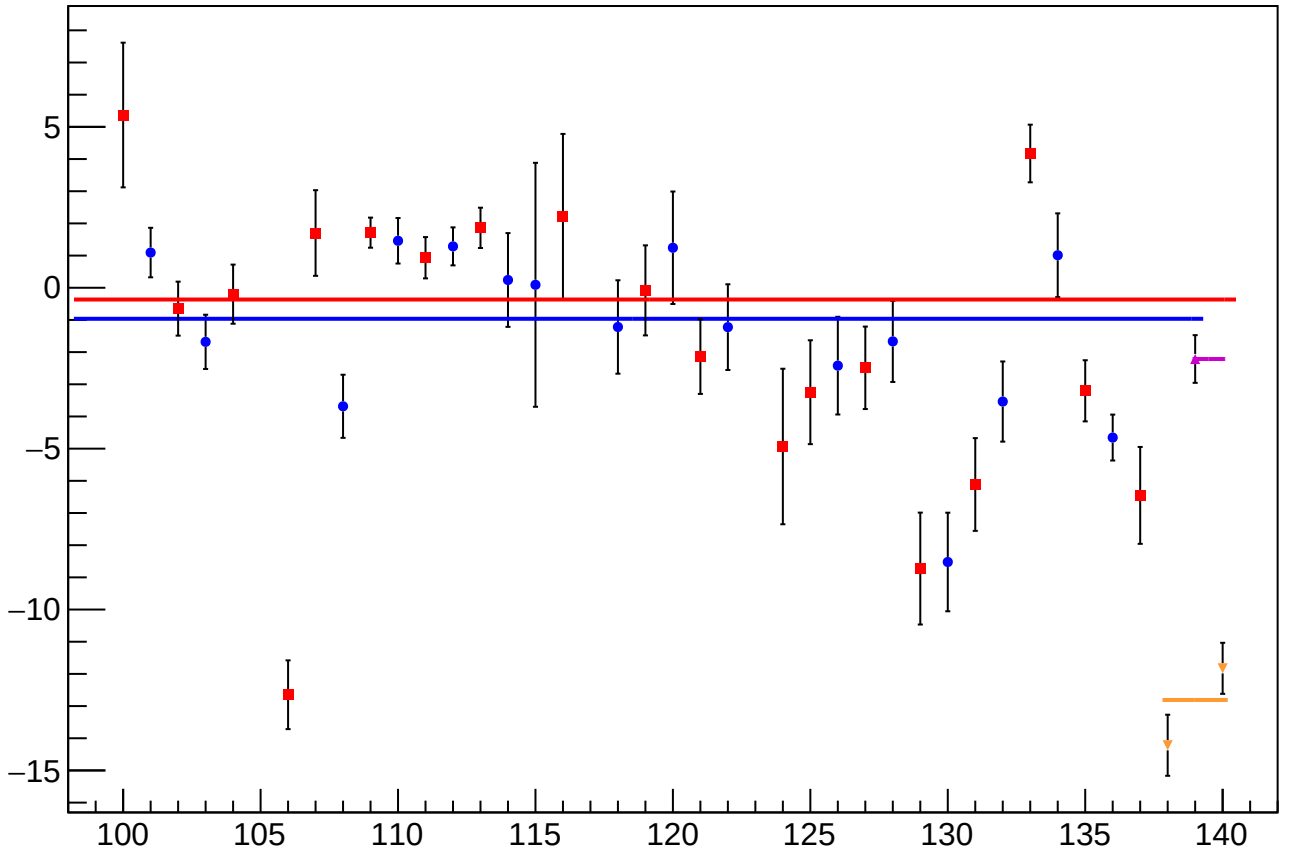
Left: -0.324+/-0.051 χ^2/NDF: 25.7/2

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.912+/-0.042 χ^2/NDF:884.4/16

Out: -0.977+/-0.038 χ^2/NDF:1142.6/20

All: -0.947+/-0.028 χ^2/NDF: 2028.3/37



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -12.810+/-0.609 χ^2/NDF:3.7/1

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -2.214+/-0.741 χ^2/NDF:0.0/0

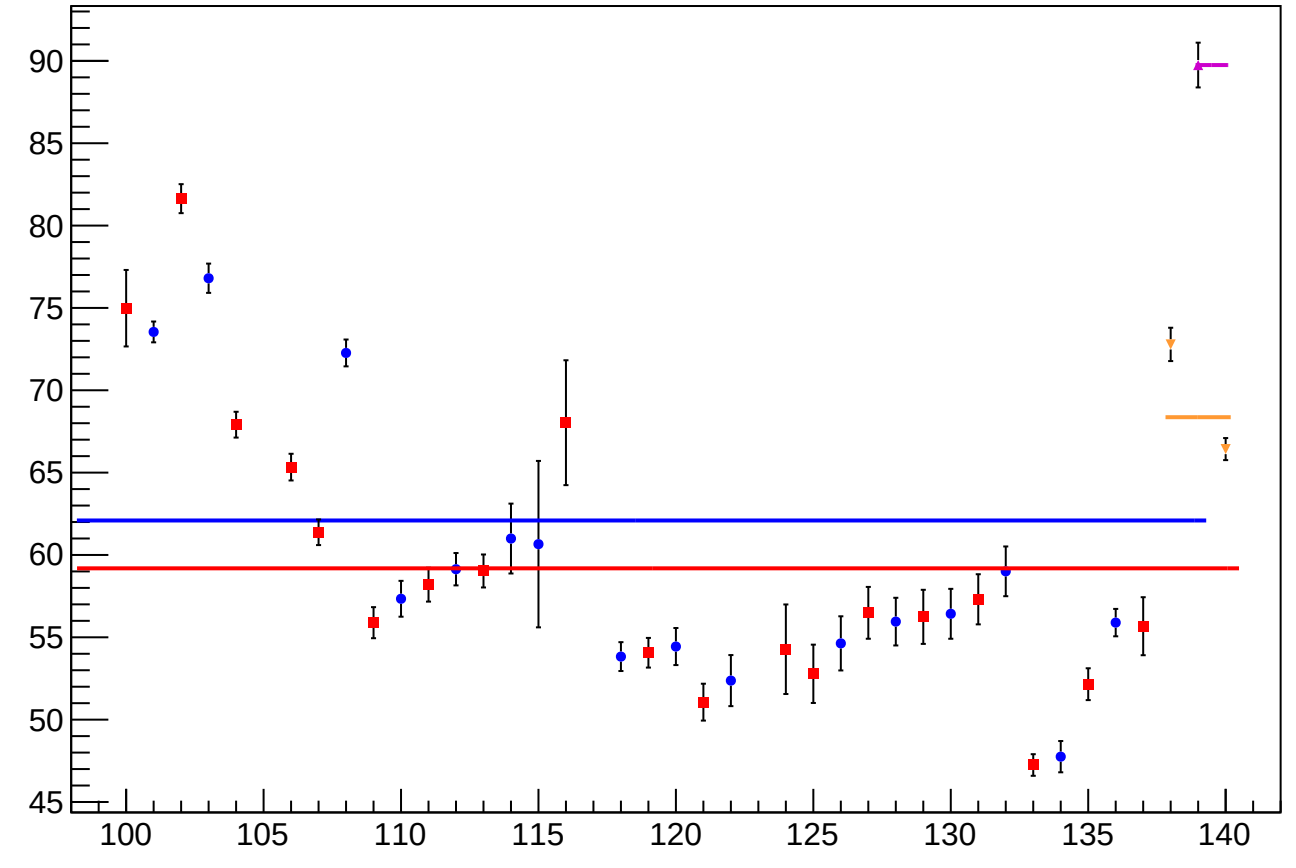
Left: -8.541+/-0.470 χ^2/NDF: 125.9/2

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -1.095+/-0.240 χ^2/NDF:105.7/16

Out: -1.847+/-0.210 χ^2/NDF:652.7/20

All: -1.520+/-0.158 χ^2/NDF: 764.0/37



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 68.365+/-0.558 χ^2/NDF:27.4/1

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 89.748+/-1.359 χ^2/NDF:0.0/0

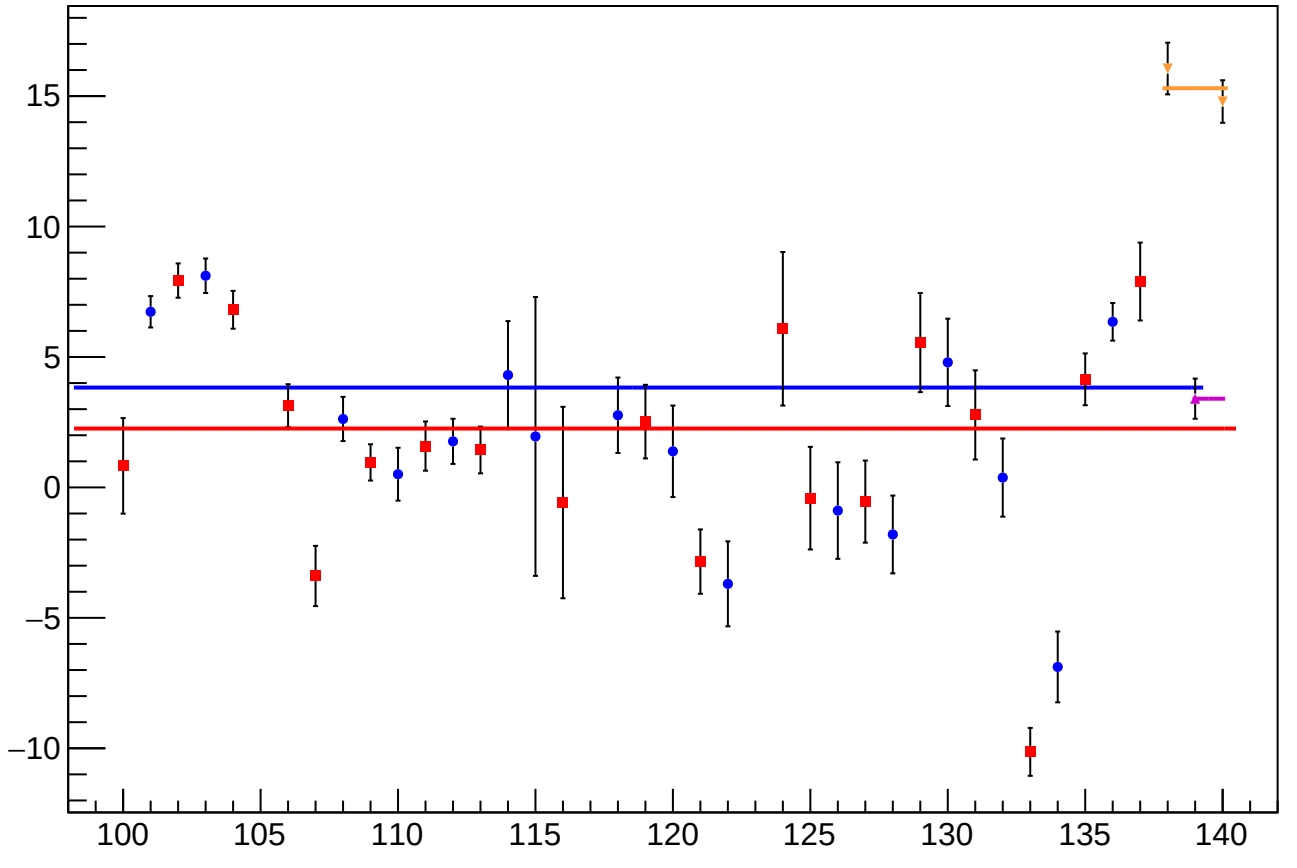
Left: 71.454+/-0.517 χ^2/NDF: 239.2/2

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 63.109+/-0.260 χ^2/NDF:1700.2/16

Out: 60.657+/-0.223 χ^2/NDF:1656.4/20

All: 61.696+/-0.170 χ^2/NDF: 3407.6/37



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 15.303+/-0.630 χ^2/NDF:1.0/1

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 3.401+/-0.770 χ^2/NDF:0.0/0

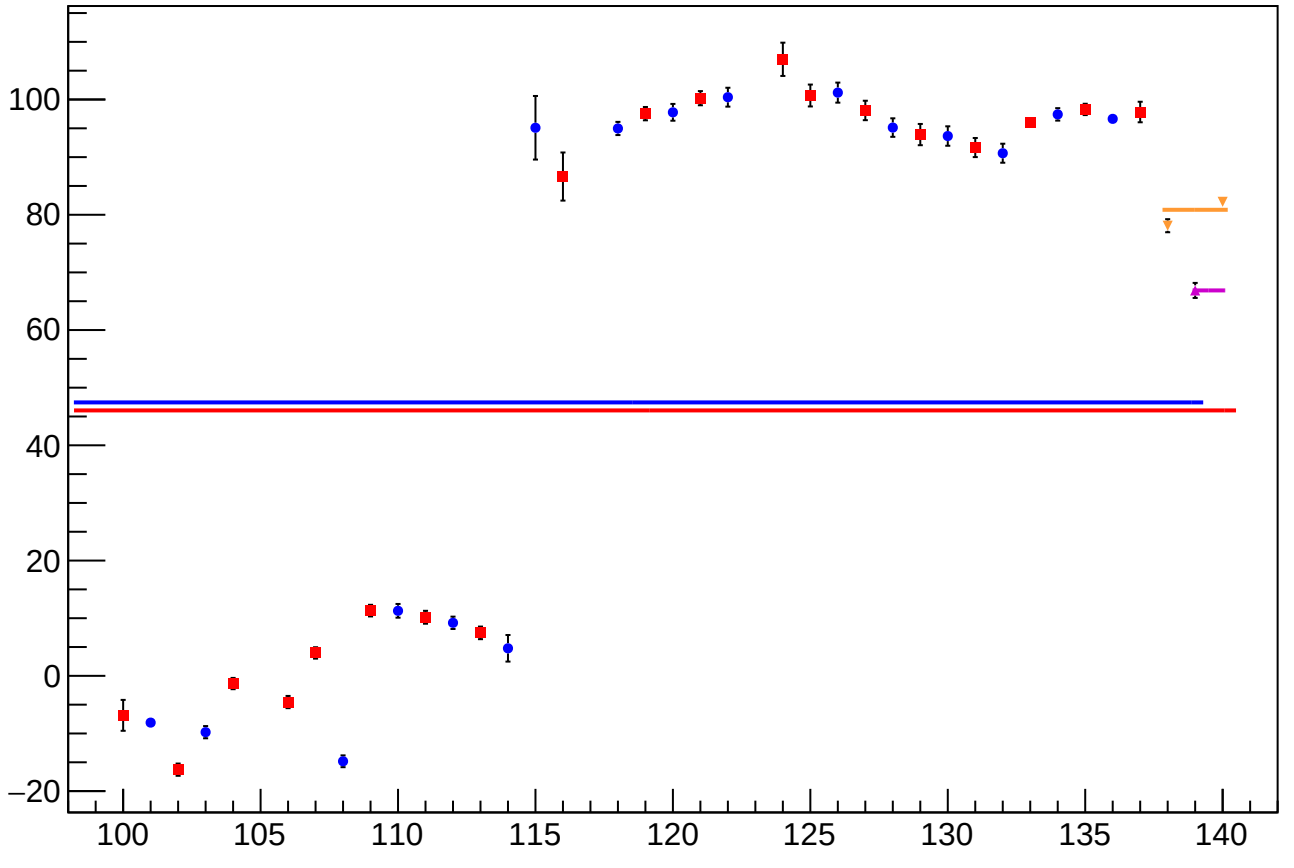
Left: 10.532+/-0.488 χ^2/NDF: 144.1/2

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 3.783+/-0.251 χ^2/NDF:208.9/16

Out: 3.989+/-0.230 χ^2/NDF:744.9/20

All: 3.895+/-0.169 χ^2/NDF: 954.2/37



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 80.862+/-0.655 χ^2/NDF:8.9/1

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 66.873+/-1.305 χ^2/NDF:0.0/0

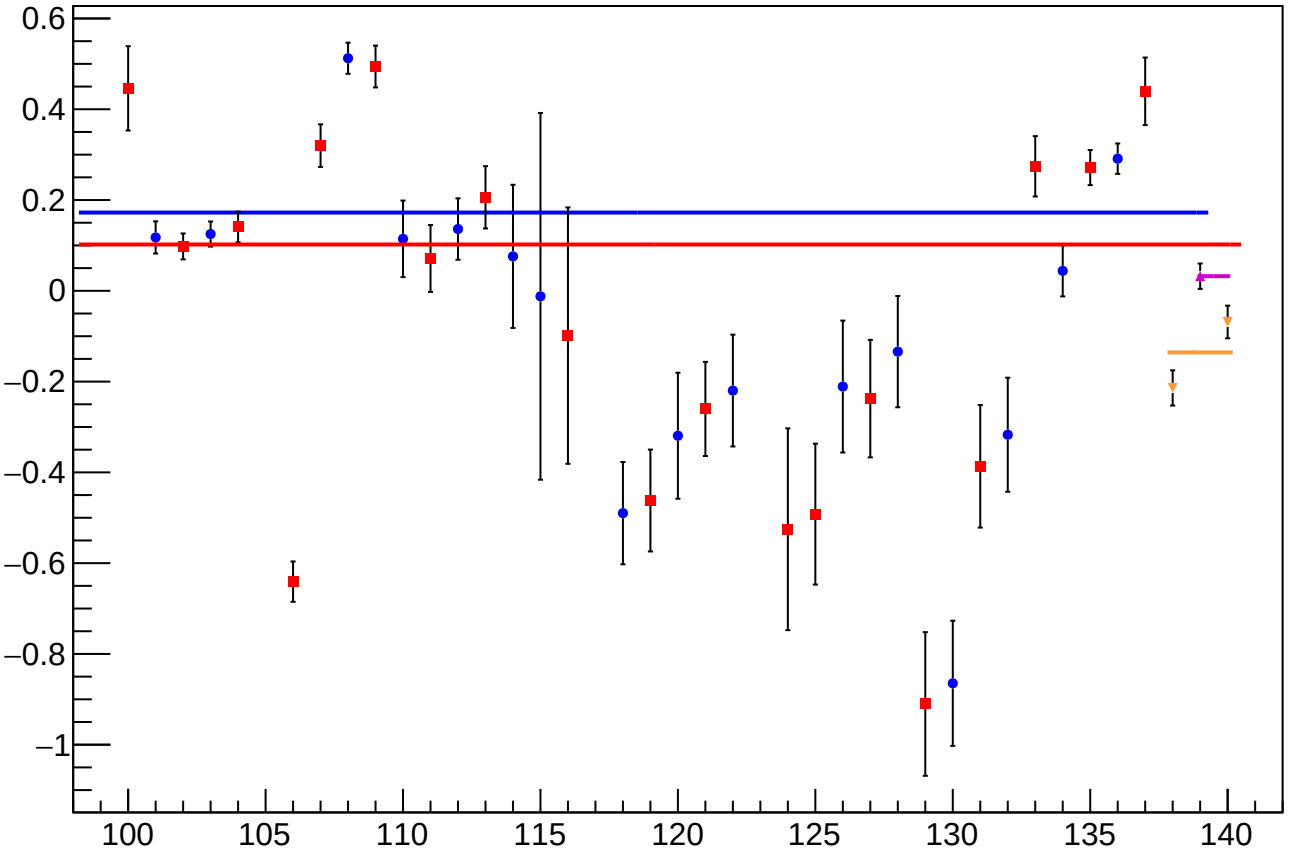
Left: 78.051+/-0.585 χ^2/NDF: 100.7/2

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 48.468+/-0.300 χ^2/NDF:27096.8/16

Out: 51.580+/-0.261 χ^2/NDF:31285.0/20

All: 50.239+/-0.197 χ^2/NDF: 58443.1/37



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.136+/-0.026 χ^2/NDF:7.6/1

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: 0.032+/-0.028 χ^2/NDF:0.0/0

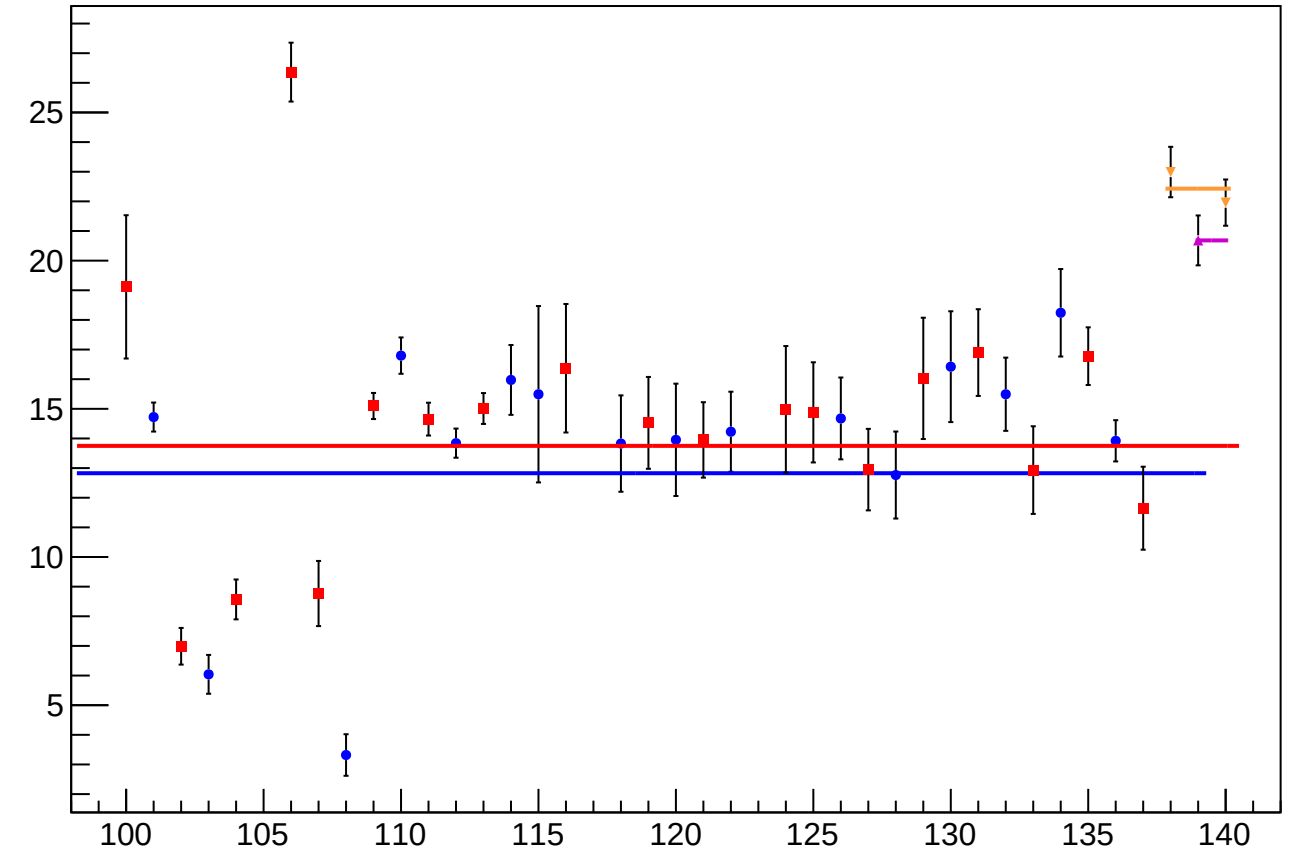
Left: -0.057+/-0.019 χ^2/NDF: 26.7/2

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: 0.144+/-0.013 χ^2/NDF:285.0/16

Out: 0.053+/-0.012 χ^2/NDF:630.9/20

All: 0.096+/-0.009 χ^2/NDF: 943.1/37



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.429+/-0.575 χ^2/NDF:0.8/1

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 20.683+/-0.842 χ^2/NDF:0.0/0

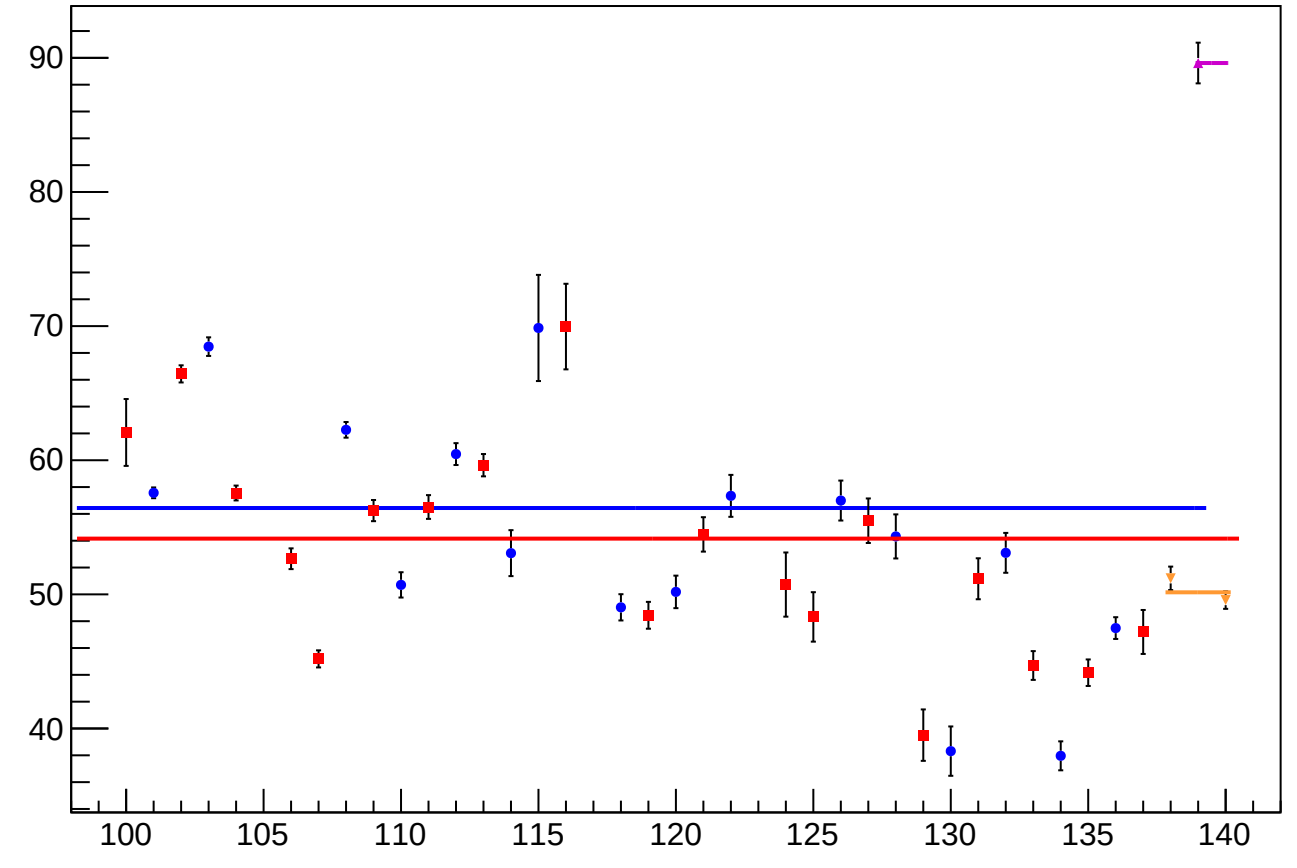
Left: 21.874+/-0.475 χ^2/NDF: 3.7/2

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 13.304+/-0.207 χ^2/NDF:469.8/16

Out: 14.722+/-0.192 χ^2/NDF:607.2/20

All: 14.067+/-0.141 χ^2/NDF: 1102.1/37



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 50.153+/-0.523 χ^2/NDF:2.2/1

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 89.615+/-1.517 χ^2/NDF:0.0/0

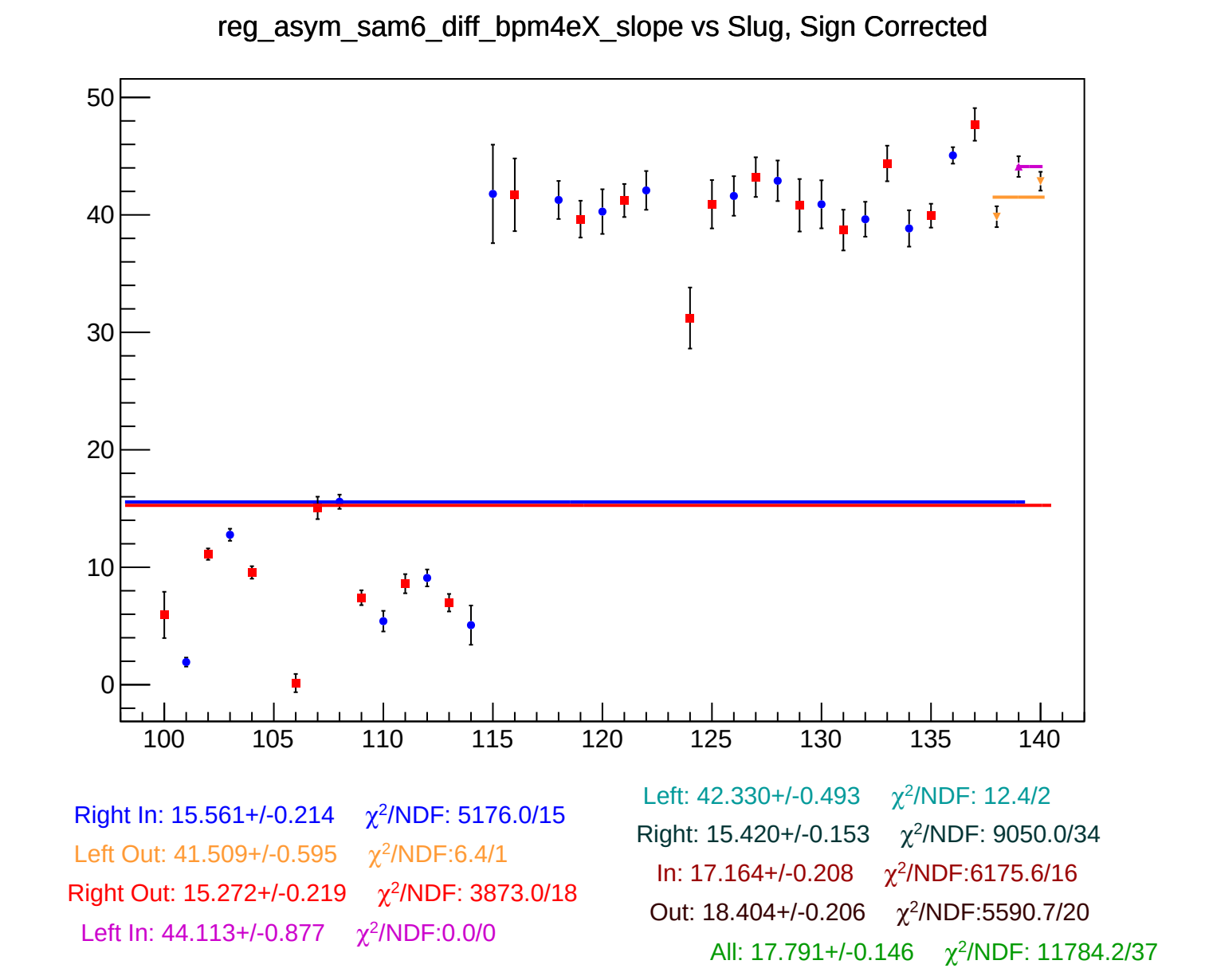
Left: 54.343+/-0.494 χ^2/NDF: 607.0/2

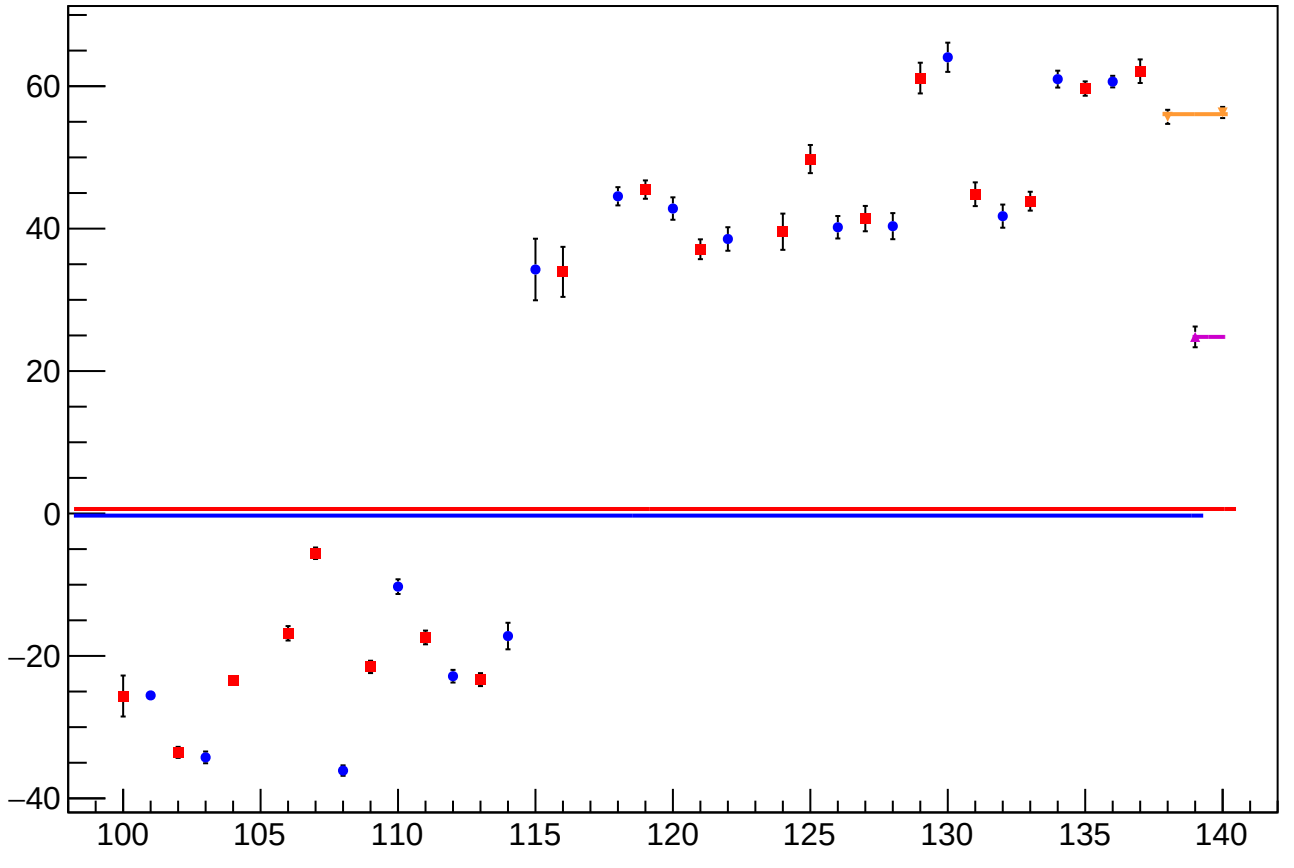
Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 57.133+/-0.219 χ^2/NDF:1556.2/16

Out: 53.533+/-0.206 χ^2/NDF:1058.3/20

All: 55.222+/-0.150 χ^2/NDF: 2757.3/37


reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
Right In: 15.561+/-0.214 χ2/NDF: 5176.0/15
Left Out: 41.509+/-0.595 χ2/NDF:6.4/1
Right Out: 15.272+/-0.219 χ2/NDF: 3873.0/18
Left In: 44.113+/-0.877 χ2/NDF:0.0/0
Left: 42.330+/-0.493 χ2/NDF: 12.4/2
Right: 15.420+/-0.153 χ2/NDF: 9050.0/34
In: 17.164+/-0.208 χ2/NDF:6175.6/16
Out: 18.404+/-0.206 χ2/NDF:5590.7/20
All: 17.791+/-0.146 χ2/NDF: 11784.2/37



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 56.072+/-0.614 χ^2/NDF:0.2/1

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 24.798+/-1.455 χ^2/NDF:0.0/0

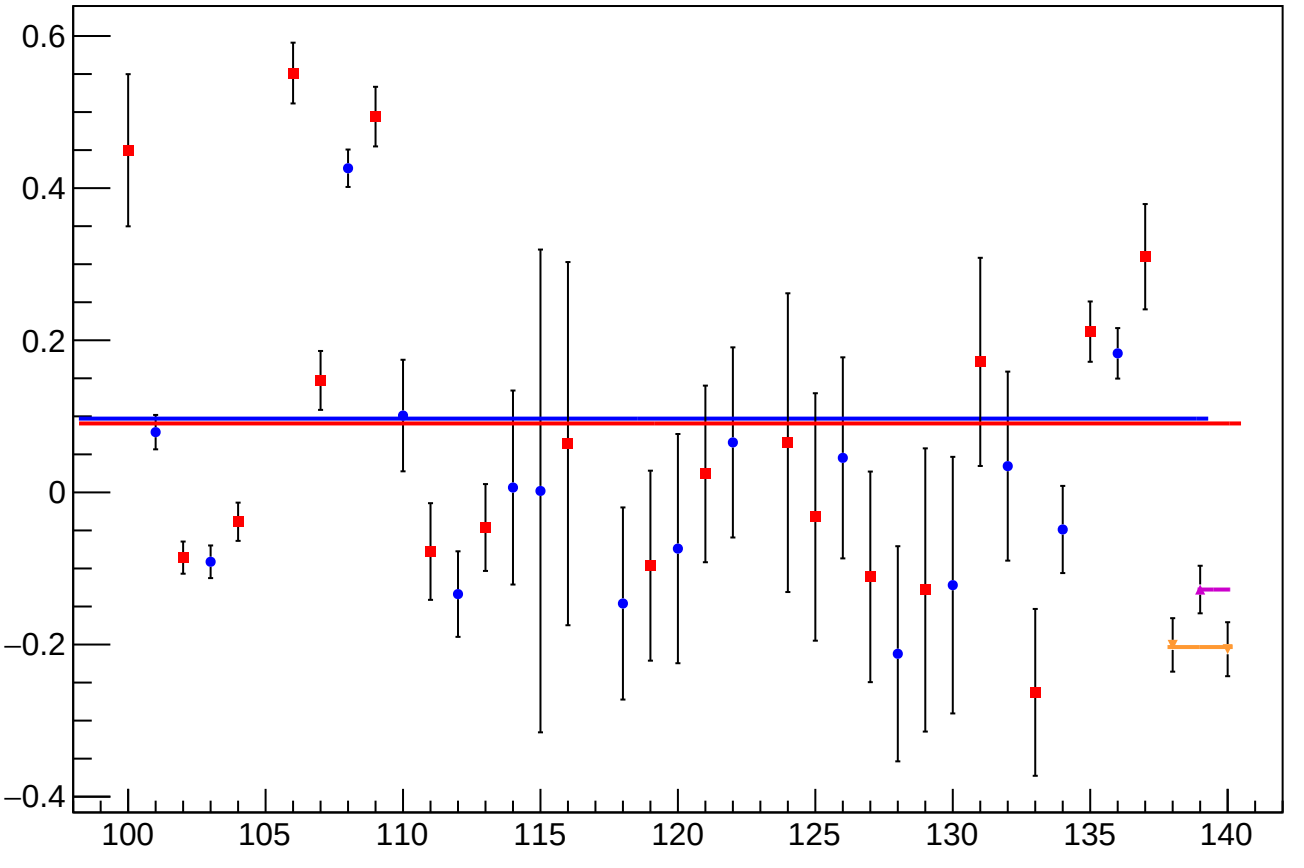
Left: 51.343+/-0.566 χ^2/NDF: 392.4/2

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 0.489+/-0.257 χ^2/NDF:21319.1/16

Out: 9.258+/-0.242 χ^2/NDF:22909.7/20

All: 5.137+/-0.176 χ^2/NDF: 44844.6/37



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.203+/-0.025 χ^2/NDF:0.0/1

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.128+/-0.031 χ^2/NDF:0.0/0

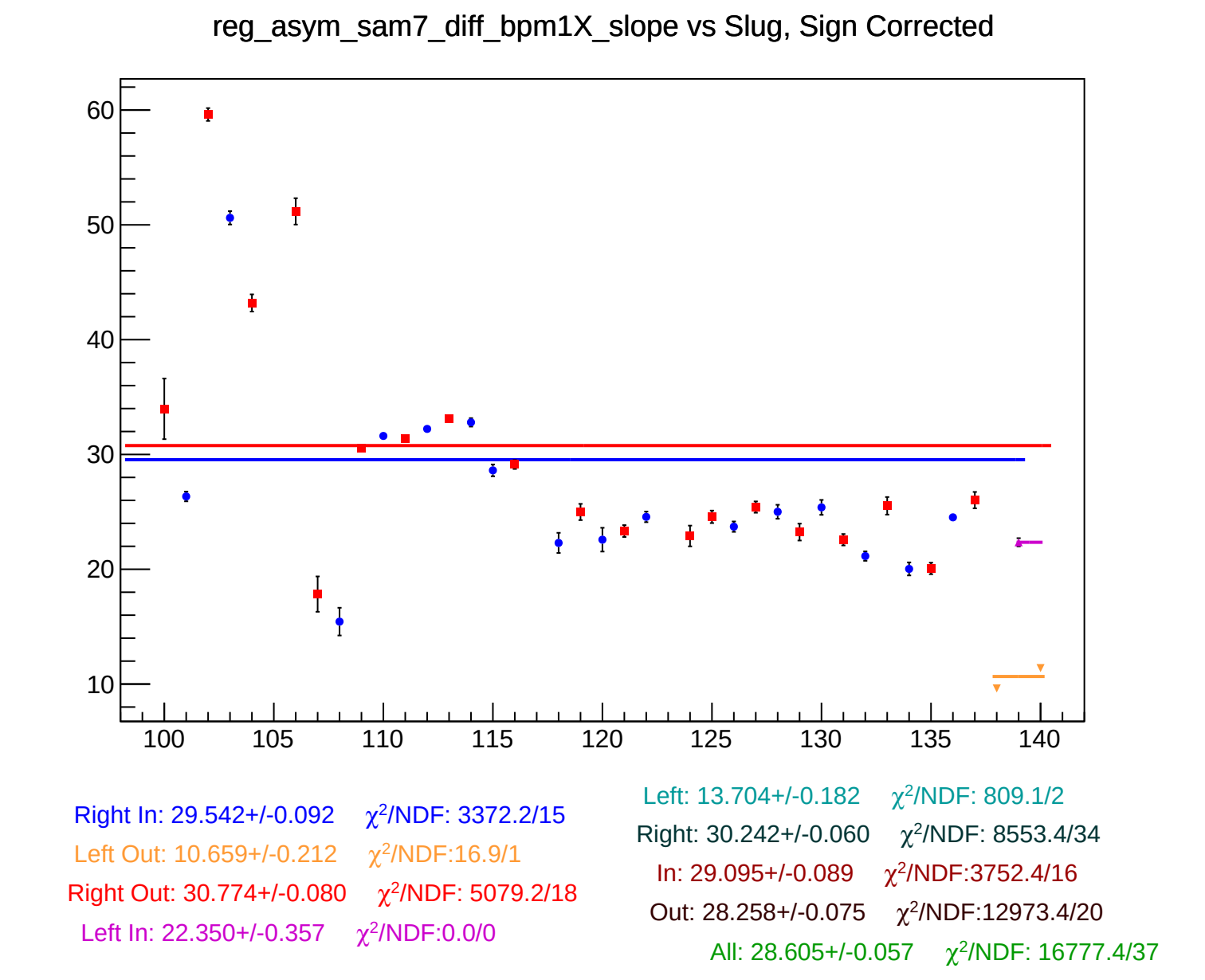
Left: -0.174+/-0.020 χ^2/NDF: 3.6/2

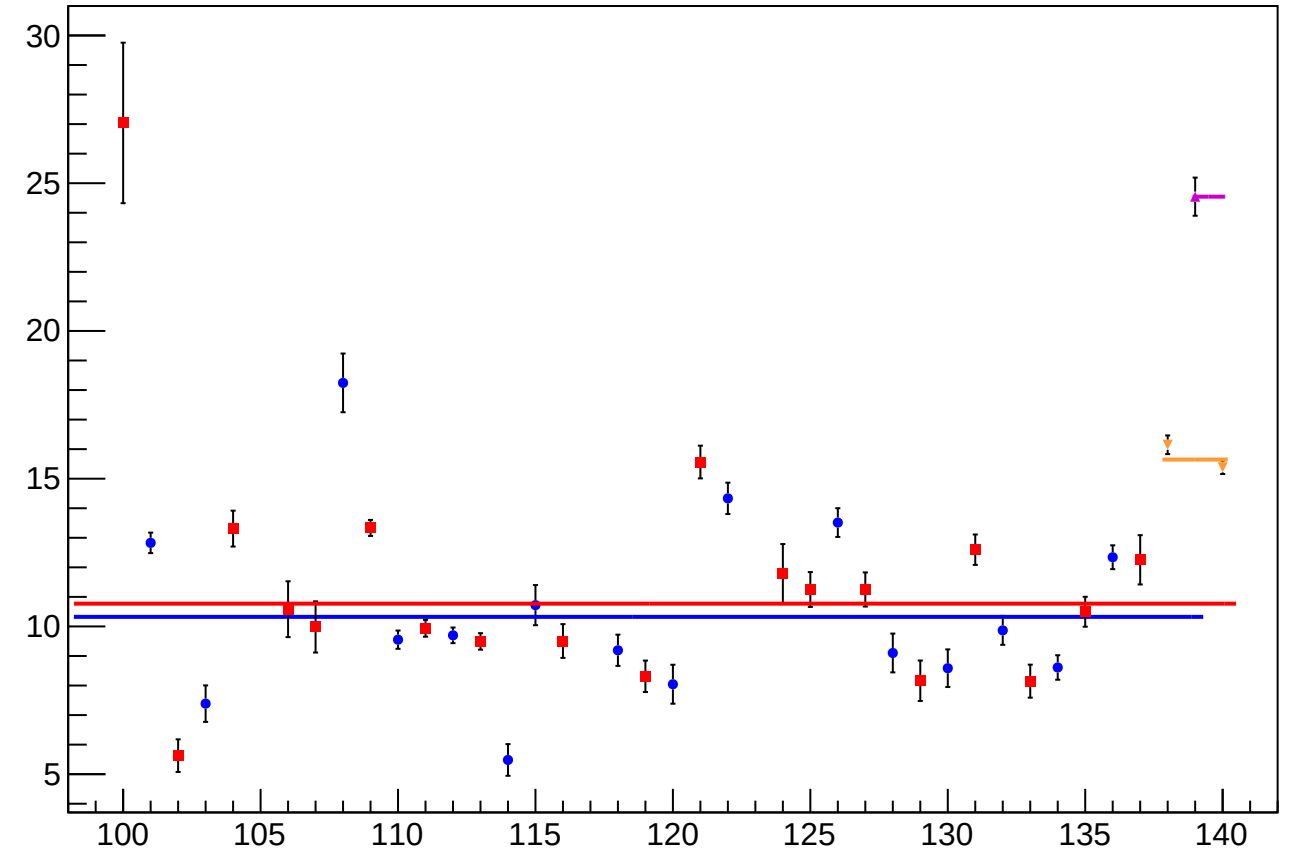
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: 0.071+/-0.011 χ^2/NDF:344.9/16

Out: 0.040+/-0.010 χ^2/NDF:514.1/20

All: 0.055+/-0.007 χ^2/NDF: 863.5/37


reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 29.542+/-0.092 χ2/NDF: 3372.2/15
Left Out: 10.659+/-0.212 χ2/NDF:16.9/1
Right Out: 30.774+/-0.080 χ2/NDF: 5079.2/18
Left In: 22.350+/-0.357 χ2/NDF:0.0/0
Left: 13.704+/-0.182 χ2/NDF: 809.1/2
Right: 30.242+/-0.060 χ2/NDF: 8553.4/34
In: 29.095+/-0.089 χ2/NDF:3752.4/16
Out: 28.258+/-0.075 χ2/NDF:12973.4/20
All: 28.605+/-0.057 χ2/NDF: 16777.4/37



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 15.648+/-0.185 χ^2/NDF:3.8/1

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 24.544+/-0.646 χ^2/NDF:0.0/0

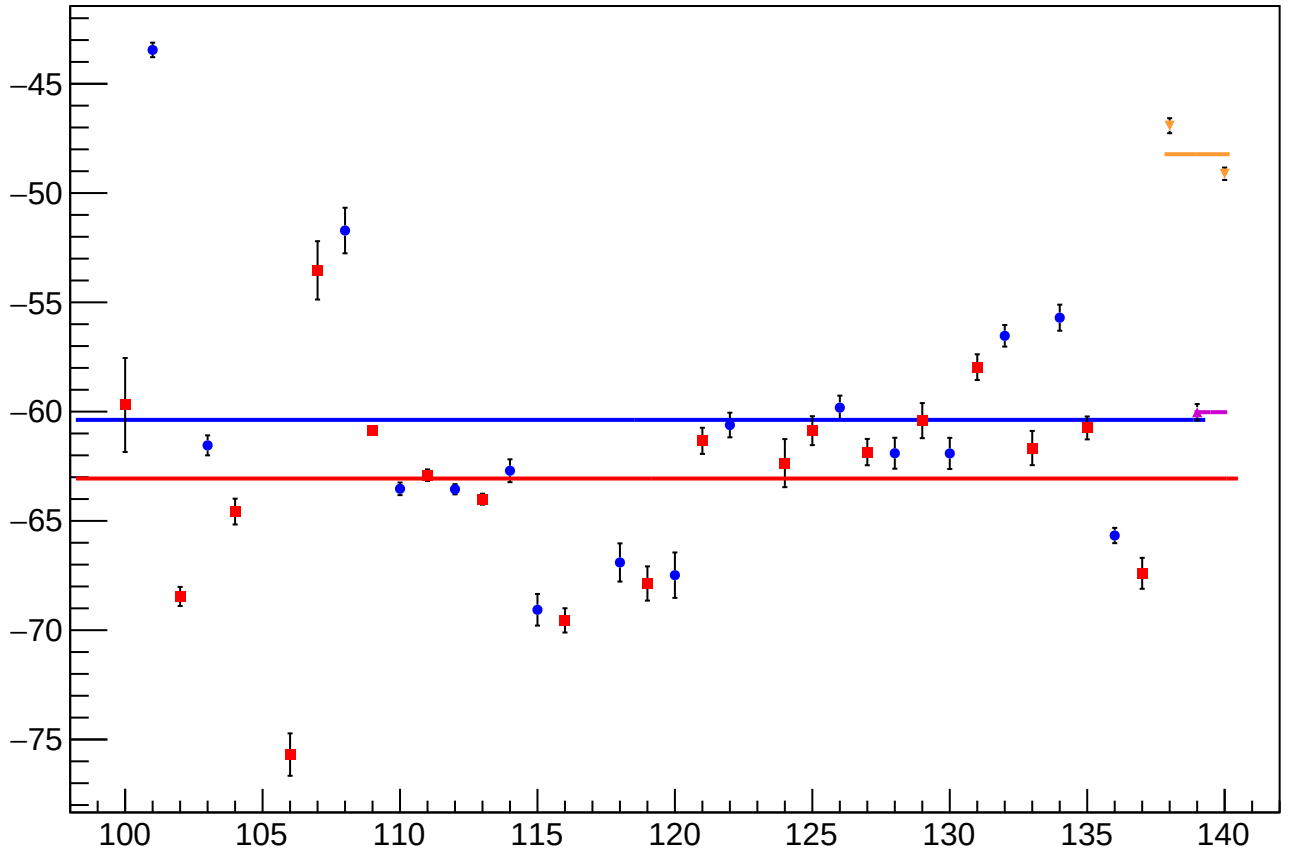
Left: 16.323+/-0.178 χ^2/NDF: 179.3/2

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.754+/-0.112 χ^2/NDF:873.3/16

Out: 12.094+/-0.096 χ^2/NDF:925.9/20

All: 11.525+/-0.073 χ^2/NDF: 1881.3/37



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -48.223+/-0.219 χ^2/NDF:24.3/1

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -60.025+/-0.372 χ^2/NDF:0.0/0

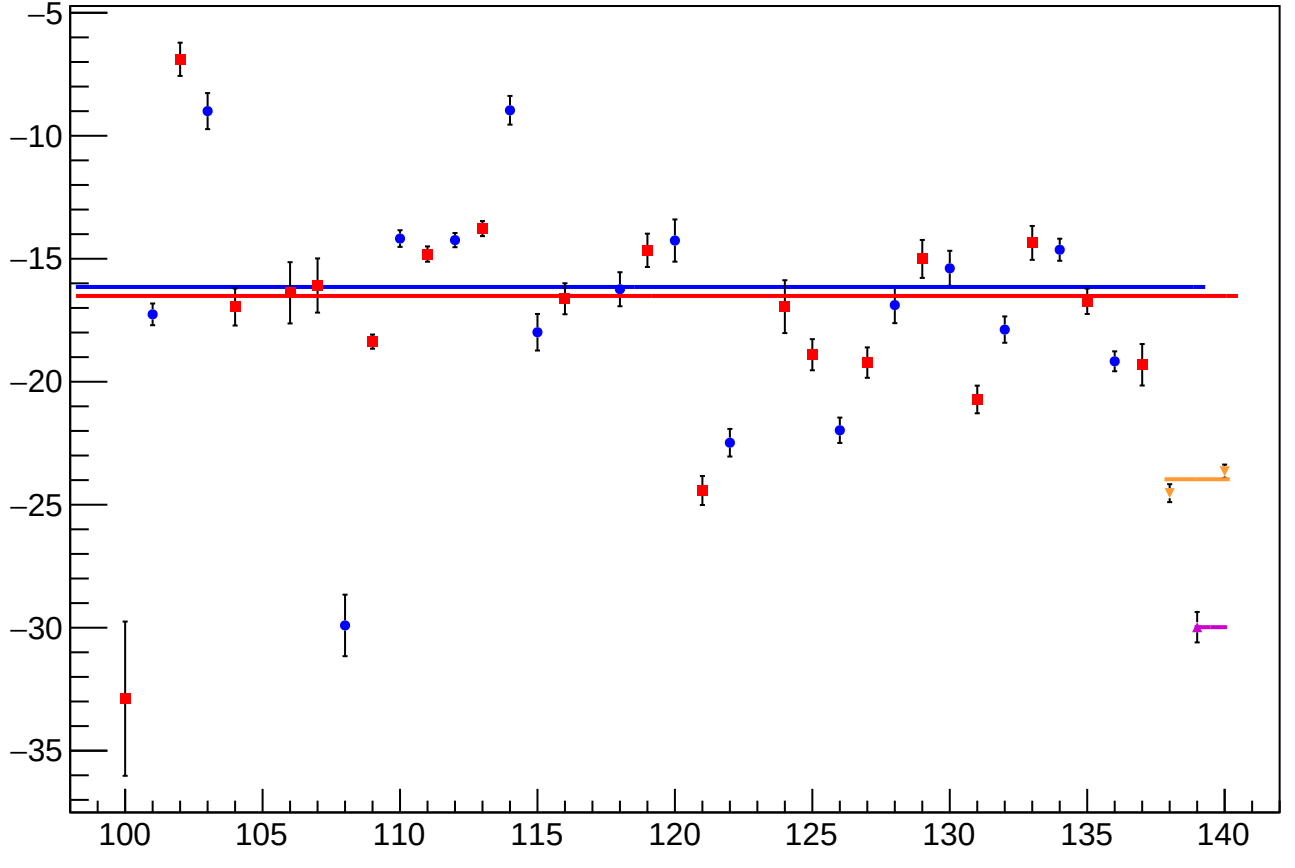
Left: -51.263+/-0.189 χ^2/NDF: 770.7/2

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -60.348+/-0.108 χ^2/NDF:3598.4/16

Out: -60.196+/-0.096 χ^2/NDF:4564.0/20

All: -60.263+/-0.072 χ^2/NDF: 8163.4/37



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -23.964+/-0.219 χ^2/NDF:3.8/1

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -29.978+/-0.619 χ^2/NDF:0.0/0

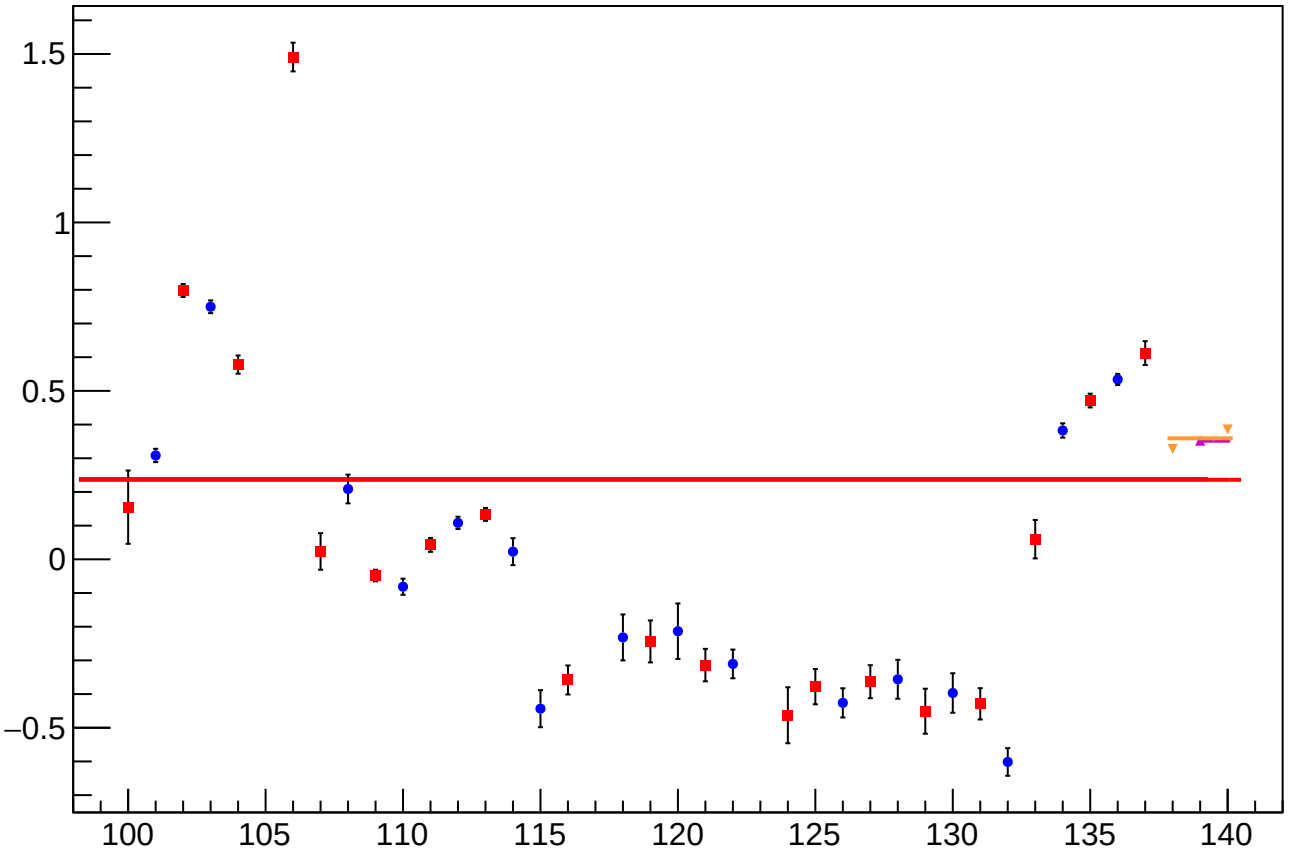
Left: -24.635+/-0.207 χ^2/NDF: 87.6/2

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -16.707+/-0.125 χ^2/NDF:1275.9/16

Out: -18.329+/-0.108 χ^2/NDF:1560.3/20

All: -17.630+/-0.082 χ^2/NDF: 2932.8/37



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.359+/-0.009 χ^2/NDF:9.5/1

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.352+/-0.013 χ^2/NDF:0.0/0

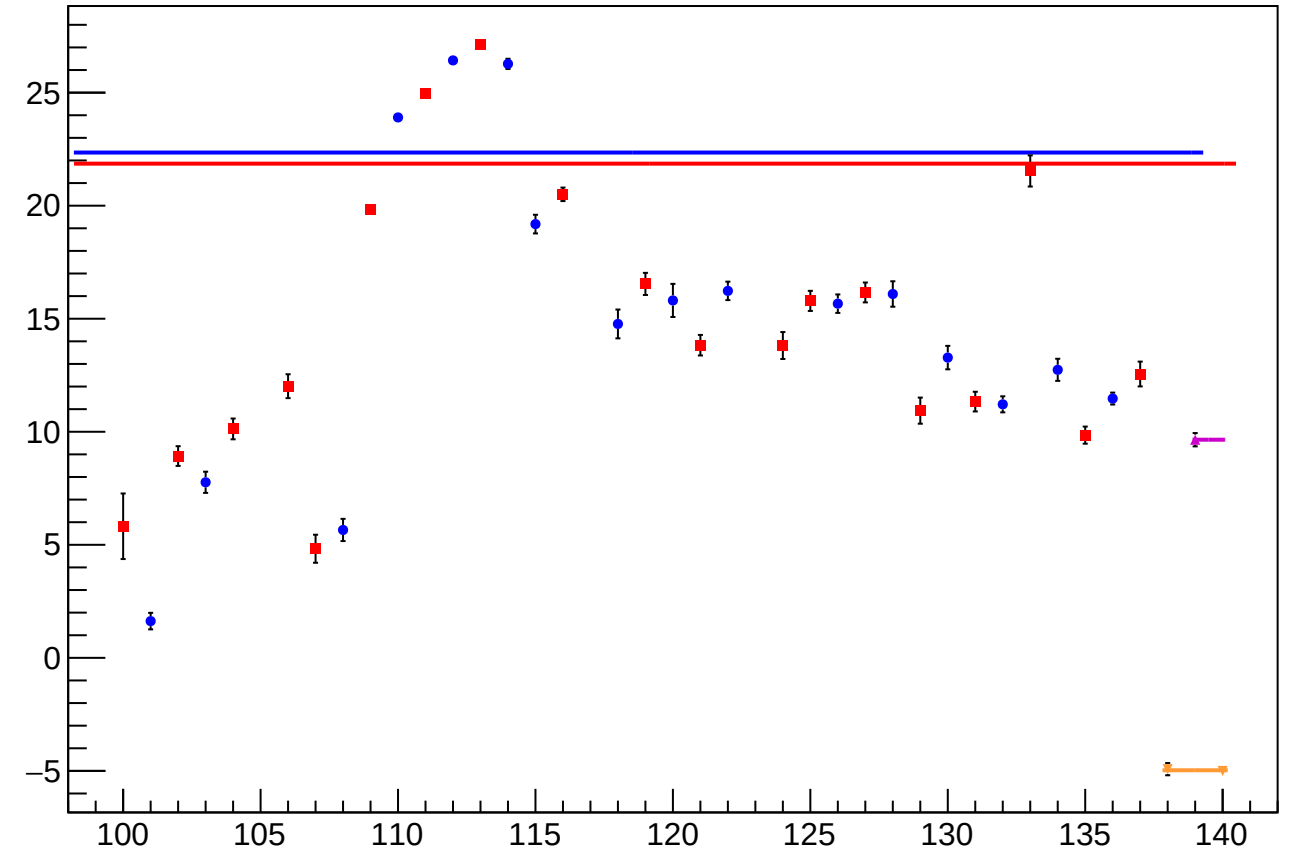
Left: 0.357+/-0.008 χ^2/NDF: 9.7/2

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.263+/-0.006 χ^2/NDF:2690.8/16

Out: 0.281+/-0.006 χ^2/NDF:3714.3/20

All: 0.273+/-0.004 χ^2/NDF: 6409.7/37



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -4.972+/-0.168 χ^2/NDF:0.1/1

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 9.648+/-0.295 χ^2/NDF:0.0/0

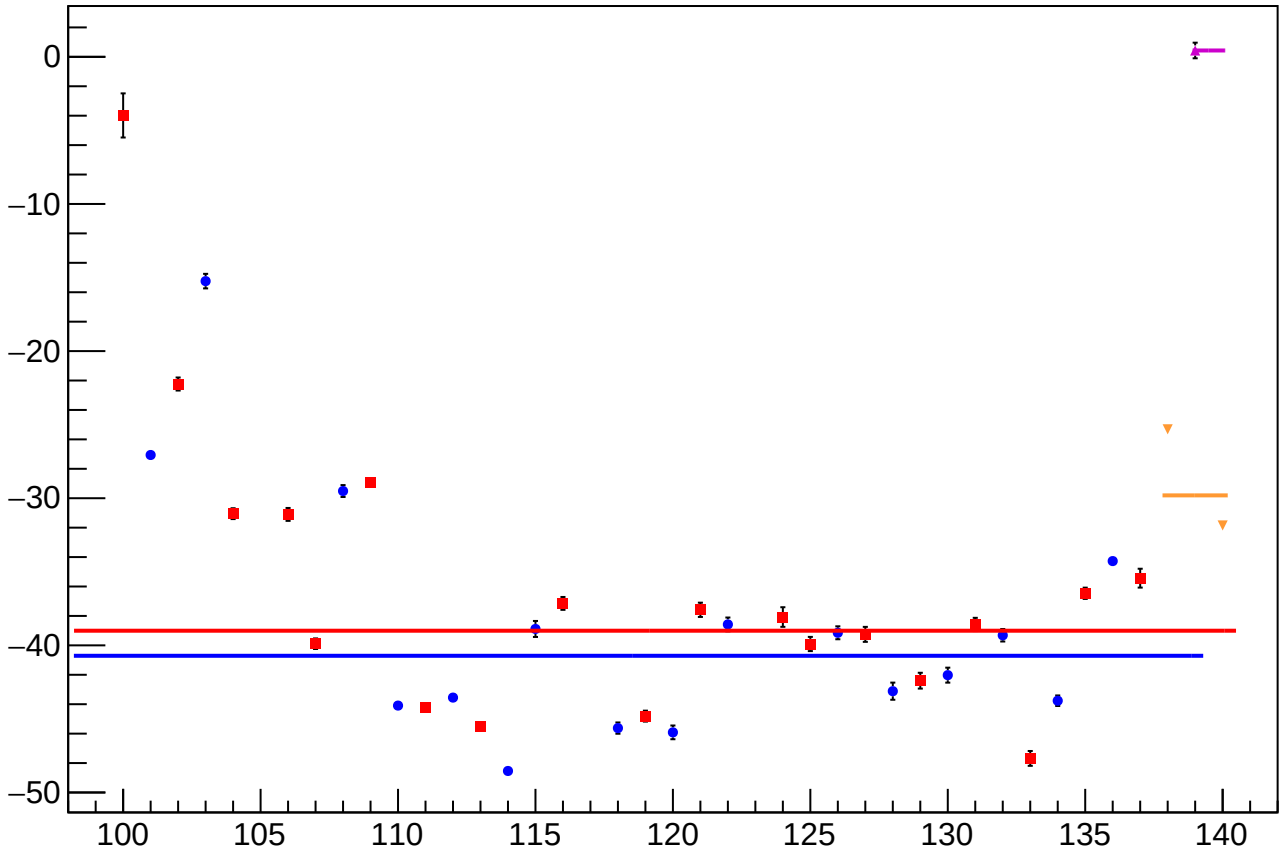
Left: -1.392+/-0.146 χ^2/NDF: 1856.0/2

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 21.900+/-0.056 χ^2/NDF:14126.0/16

Out: 19.965+/-0.045 χ^2/NDF:34416.6/20

All: 20.724+/-0.035 χ^2/NDF: 49279.9/37



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -29.806+/-0.146 χ^2/NDF:427.6/1

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: 0.432+/-0.531 χ^2/NDF:0.0/0

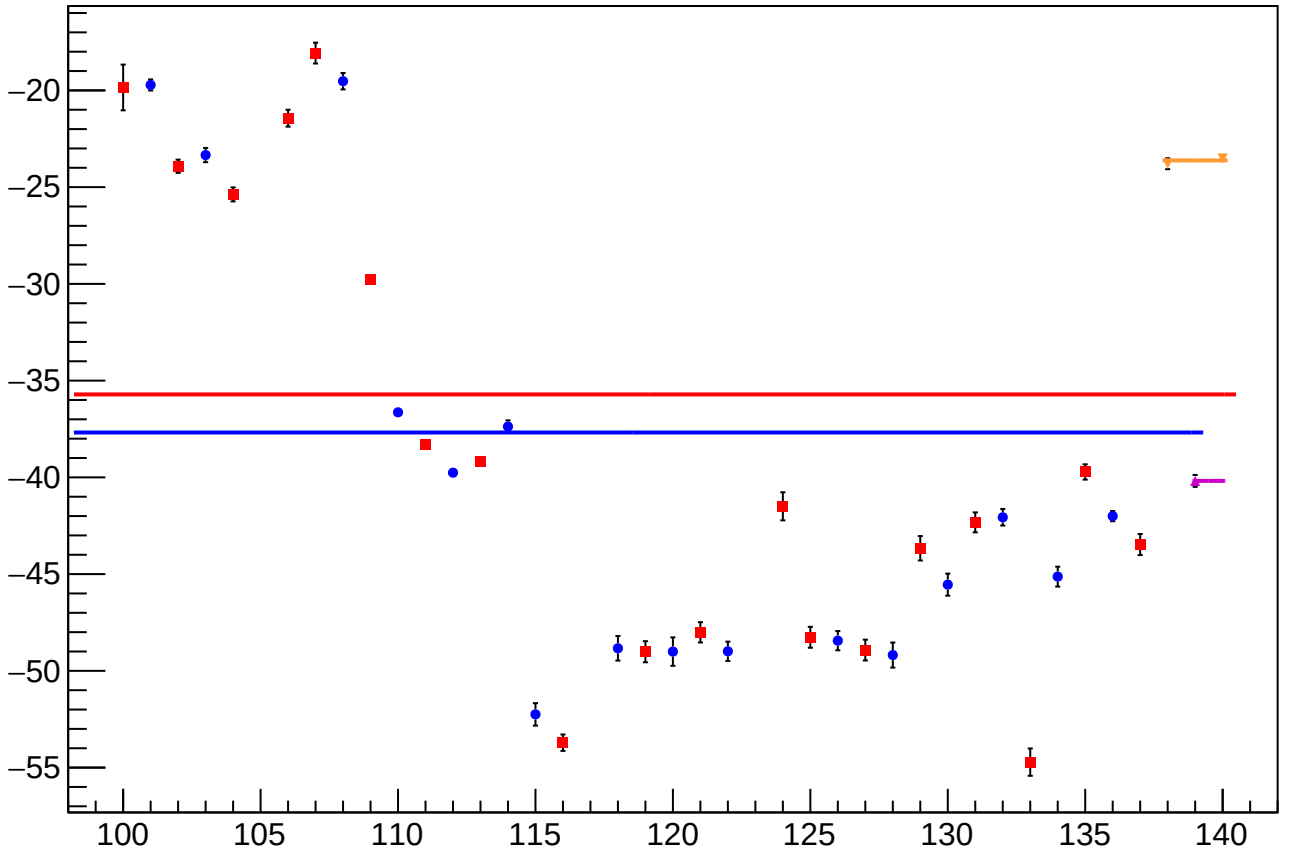
Left: -27.667+/-0.141 χ^2/NDF: 3442.2/2

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -39.872+/-0.076 χ^2/NDF:13663.4/16

Out: -37.254+/-0.064 χ^2/NDF:13721.0/20

All: -38.343+/-0.049 χ^2/NDF: 28082.8/37



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -23.619+/-0.174 χ^2/NDF:0.6/1

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -40.183+/-0.308 χ^2/NDF:0.0/0

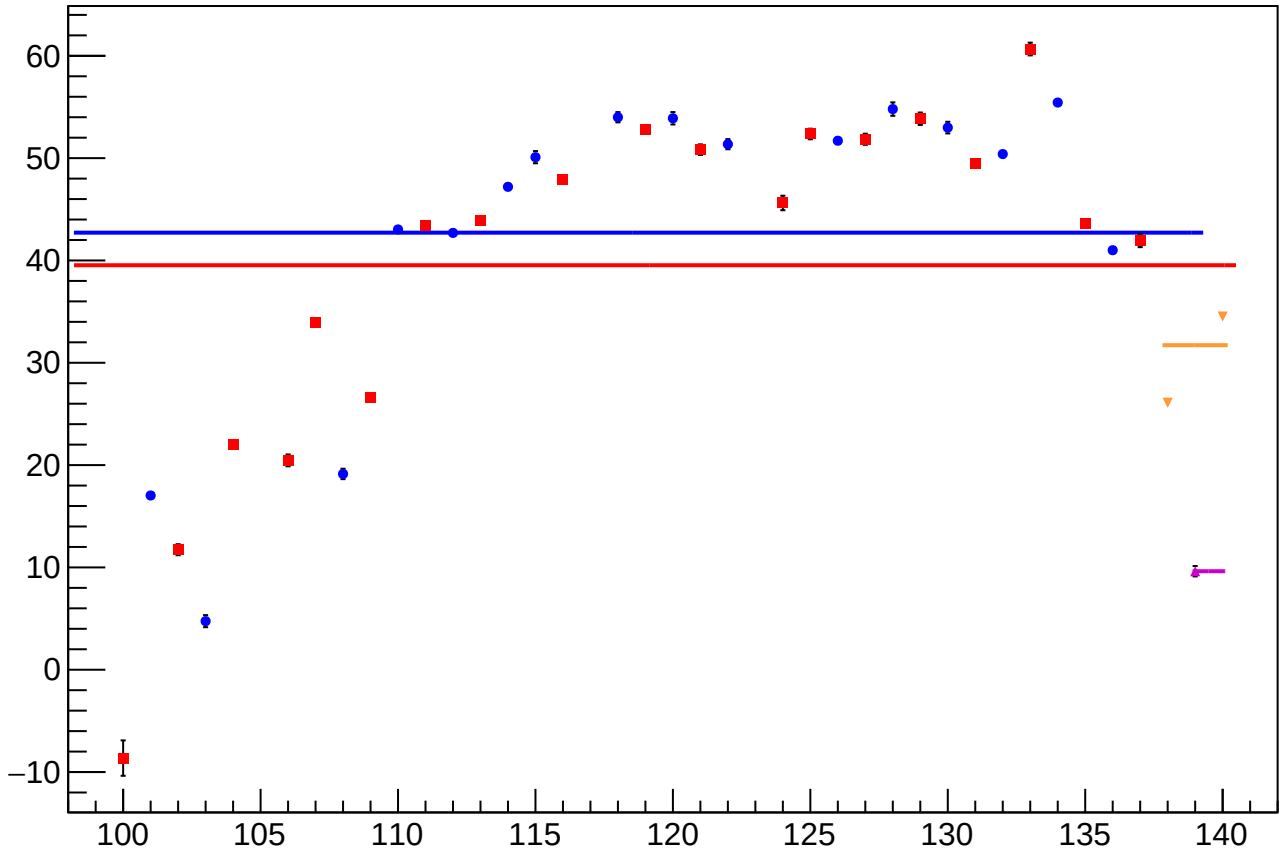
Left: -27.624+/-0.151 χ^2/NDF: 2200.6/2

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -37.817+/-0.072 χ^2/NDF:10916.5/16

Out: -34.254+/-0.060 χ^2/NDF:17541.2/20

All: -35.730+/-0.046 χ^2/NDF: 29903.4/37



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 31.720+/-0.174 χ^2/NDF:521.6/1

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 9.628+/-0.509 χ^2/NDF:0.0/0

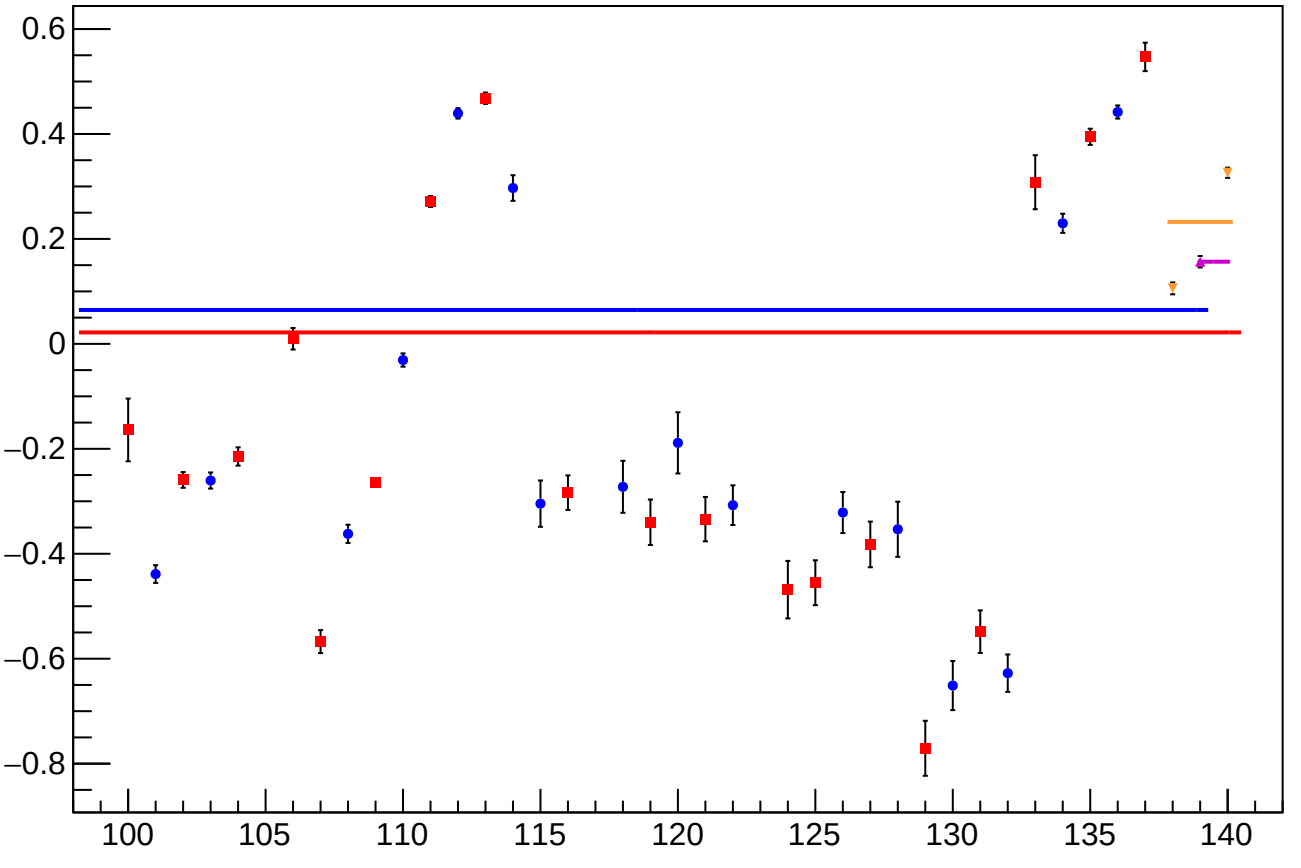
Left: 29.415+/-0.164 χ^2/NDF: 2208.9/2

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.819+/-0.084 χ^2/NDF:18876.6/16

Out: 38.217+/-0.071 χ^2/NDF:20182.7/20

All: 39.727+/-0.054 χ^2/NDF: 40129.9/37



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.232+/-0.007 χ^2/NDF:215.8/1

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.157+/-0.011 χ^2/NDF:0.0/0

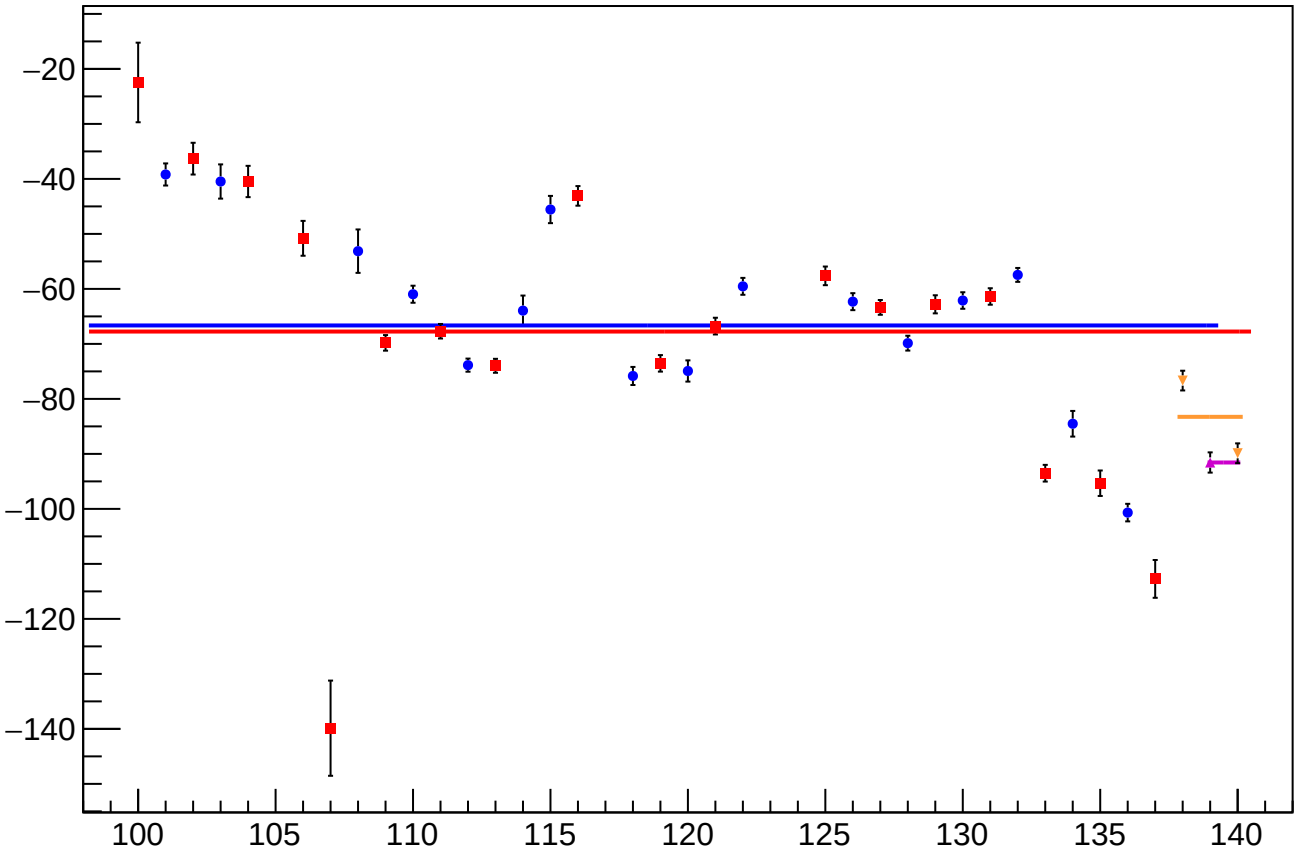
Left: 0.208+/-0.006 χ^2/NDF: 248.8/2

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.080+/-0.004 χ^2/NDF:5556.7/16

Out: 0.076+/-0.004 χ^2/NDF:7218.2/20

All: 0.078+/-0.003 χ^2/NDF: 12775.2/37



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -83.263+/-1.270 χ^2/NDF:27.1/1

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -91.564+/-1.840 χ^2/NDF:0.0/0

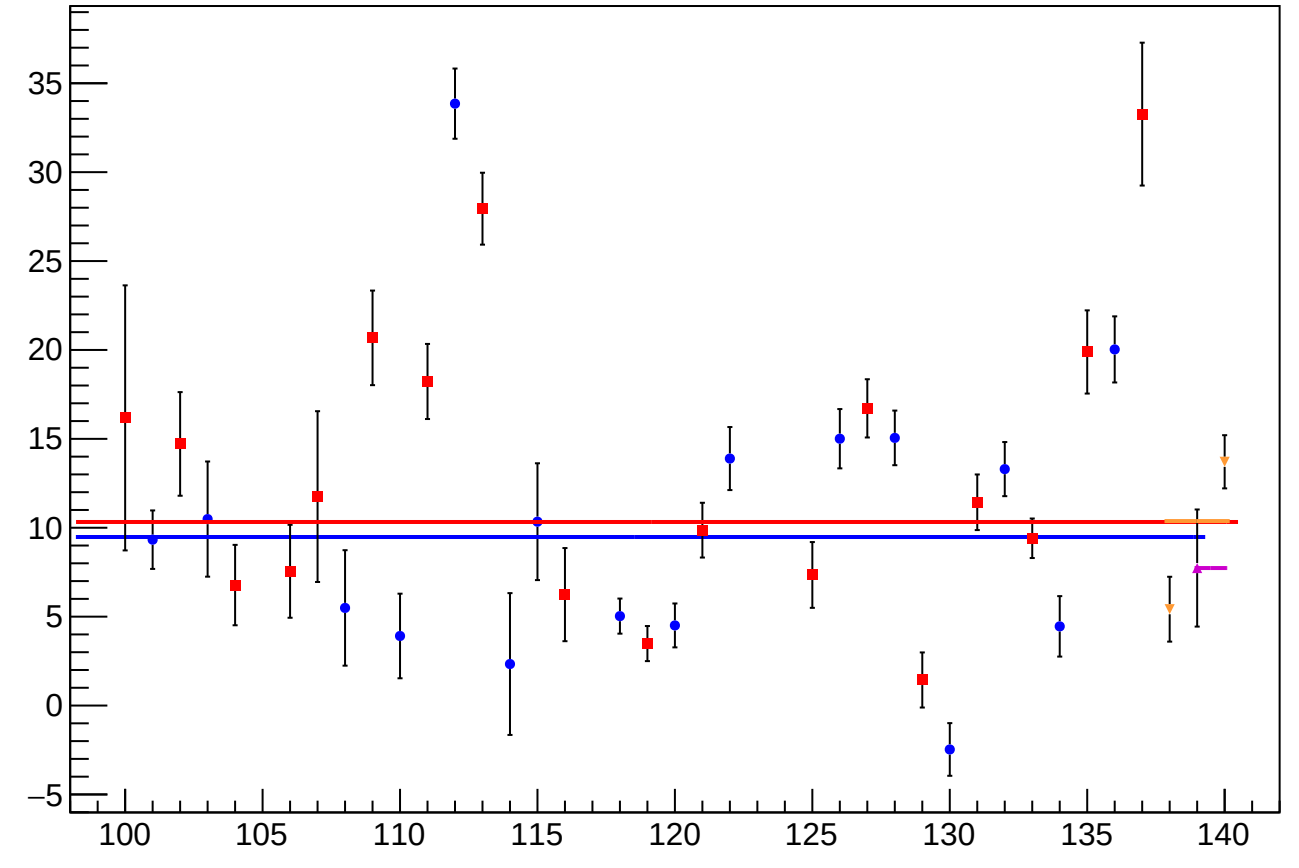
Left: -85.941+/-1.045 χ^2/NDF: 40.9/2

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -67.916+/-0.415 χ^2/NDF:1226.5/16

Out: -69.280+/-0.398 χ^2/NDF:1416.9/19

All: -68.626+/-0.287 χ^2/NDF: 2649.0/36



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 10.376+/-1.157 χ^2/NDF:12.4/1

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 7.734+/-3.294 χ^2/NDF:0.0/0

Left: 10.086+/-1.091 χ^2/NDF: 12.9/2

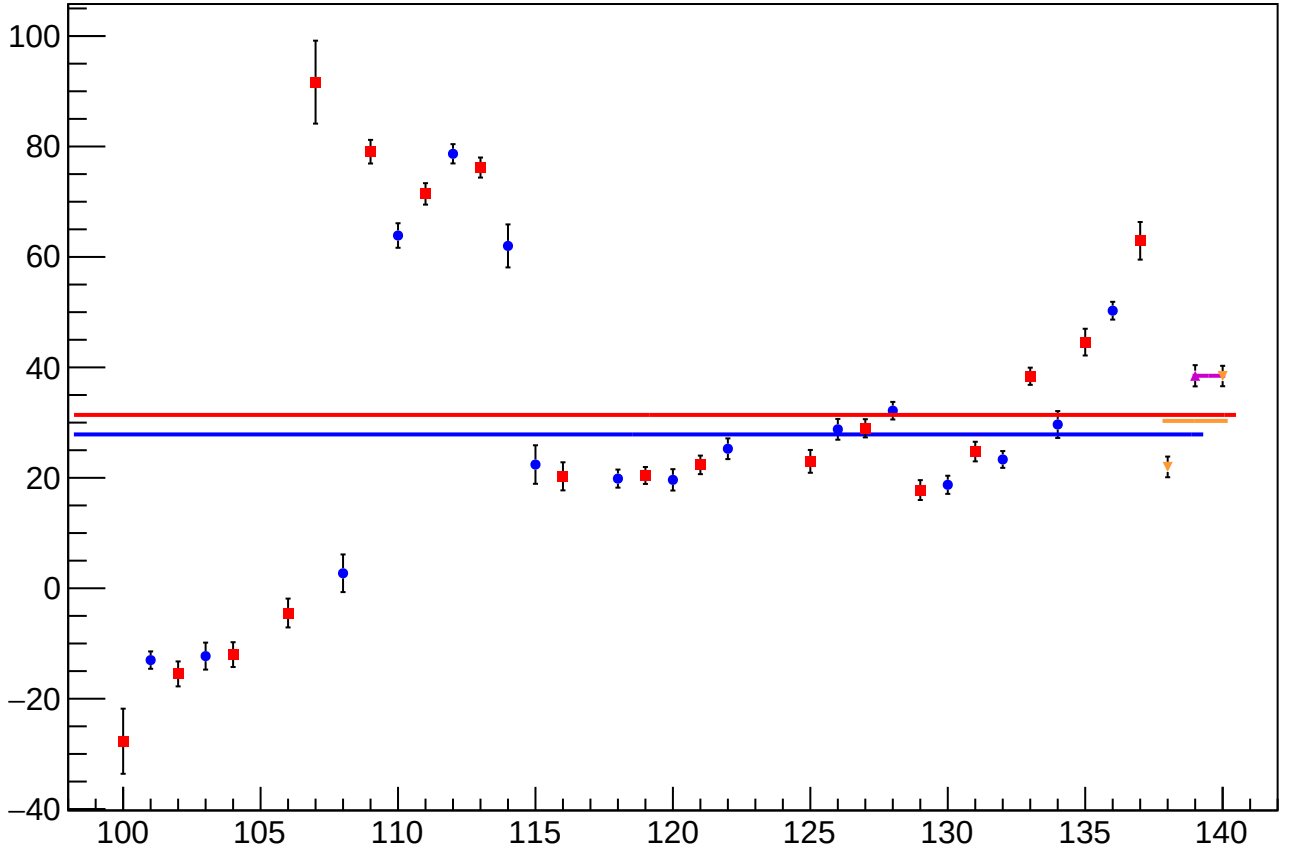
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 9.451+/-0.425 χ^2/NDF:342.2/16

Out: 10.331+/-0.408 χ^2/NDF:275.7/19

All: 9.909+/-0.294 χ^2/NDF: 620.2/36

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 30.308+/-1.316 χ^2/NDF:39.1/1

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 38.483+/-1.920 χ^2/NDF:0.0/0

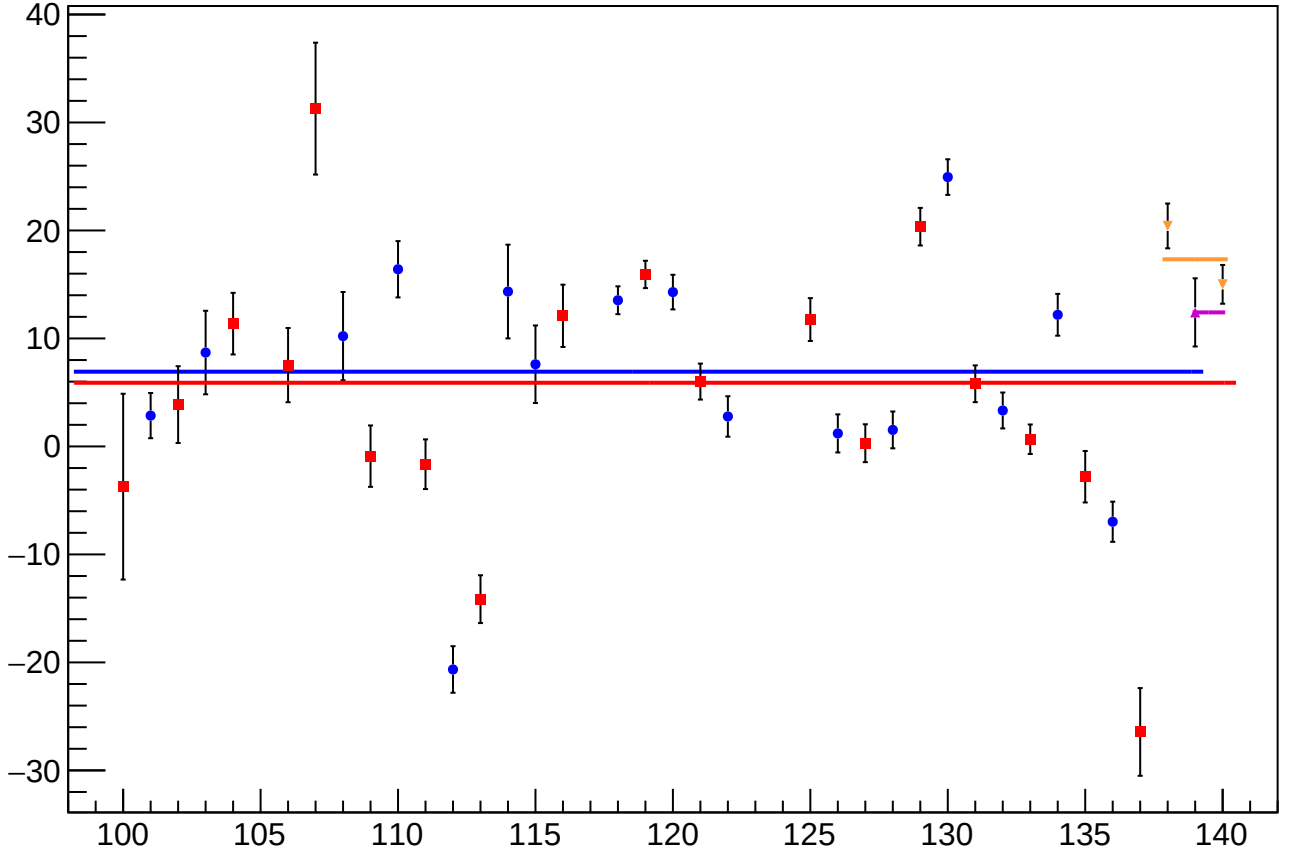
Left: 32.920+/-1.085 χ^2/NDF: 51.5/2

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 28.491+/-0.468 χ^2/NDF:2502.8/16

Out: 31.263+/-0.457 χ^2/NDF:3051.1/19

All: 29.909+/-0.327 χ^2/NDF: 5571.9/36



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 17.329+/-1.358 χ^2/NDF:3.9/1

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 12.412+/-3.156 χ^2/NDF:0.0/0

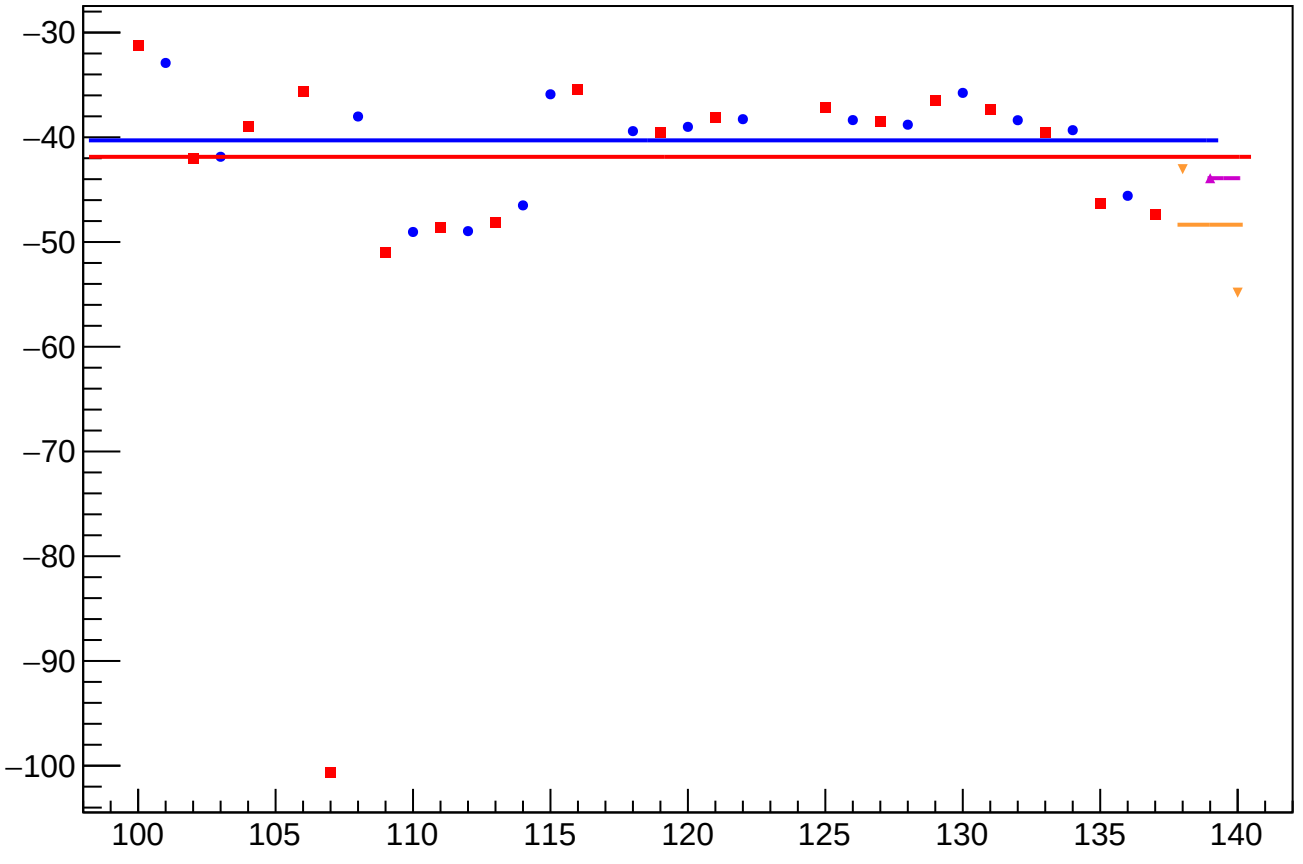
Left: 16.561+/-1.247 χ^2/NDF: 5.9/2

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 7.054+/-0.490 χ^2/NDF:447.3/16

Out: 7.270+/-0.471 χ^2/NDF:433.9/19

All: 7.166+/-0.339 χ^2/NDF: 881.3/36



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -48.347+/-0.055 χ^2/NDF:11269.0/1

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -43.905+/-0.068 χ^2/NDF:0.0/0

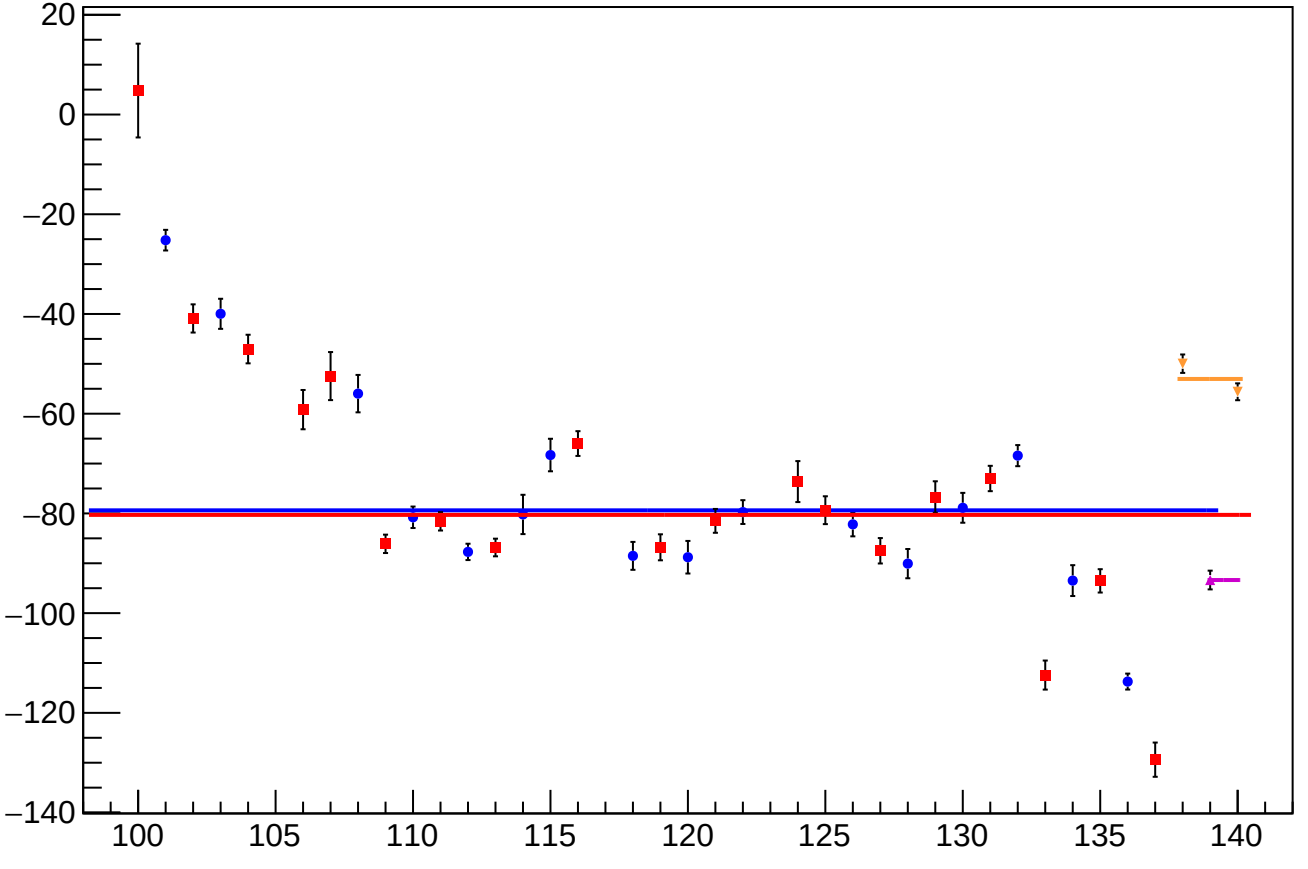
Left: -46.582+/-0.043 χ^2/NDF: 13838.4/2

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -40.928+/-0.029 χ^2/NDF:22987.4/16

Out: -43.503+/-0.028 χ^2/NDF:80290.3/19

All: -42.250+/-0.020 χ^2/NDF: 107468.3/36



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -53.032+/-1.248 χ^2/NDF:5.1/1

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -93.359+/-1.879 χ^2/NDF:0.0/0

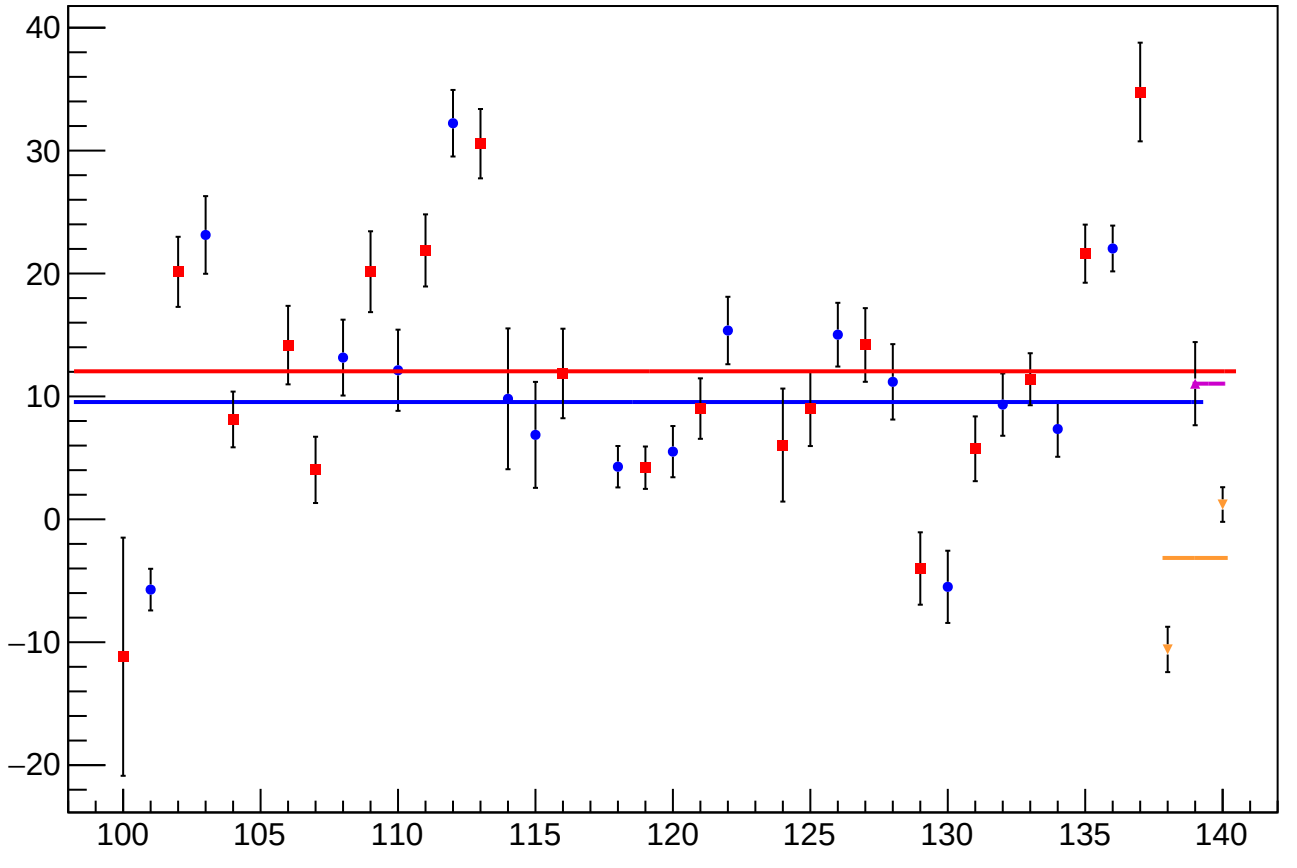
Left: -65.369+/-1.039 χ^2/NDF: 324.7/2

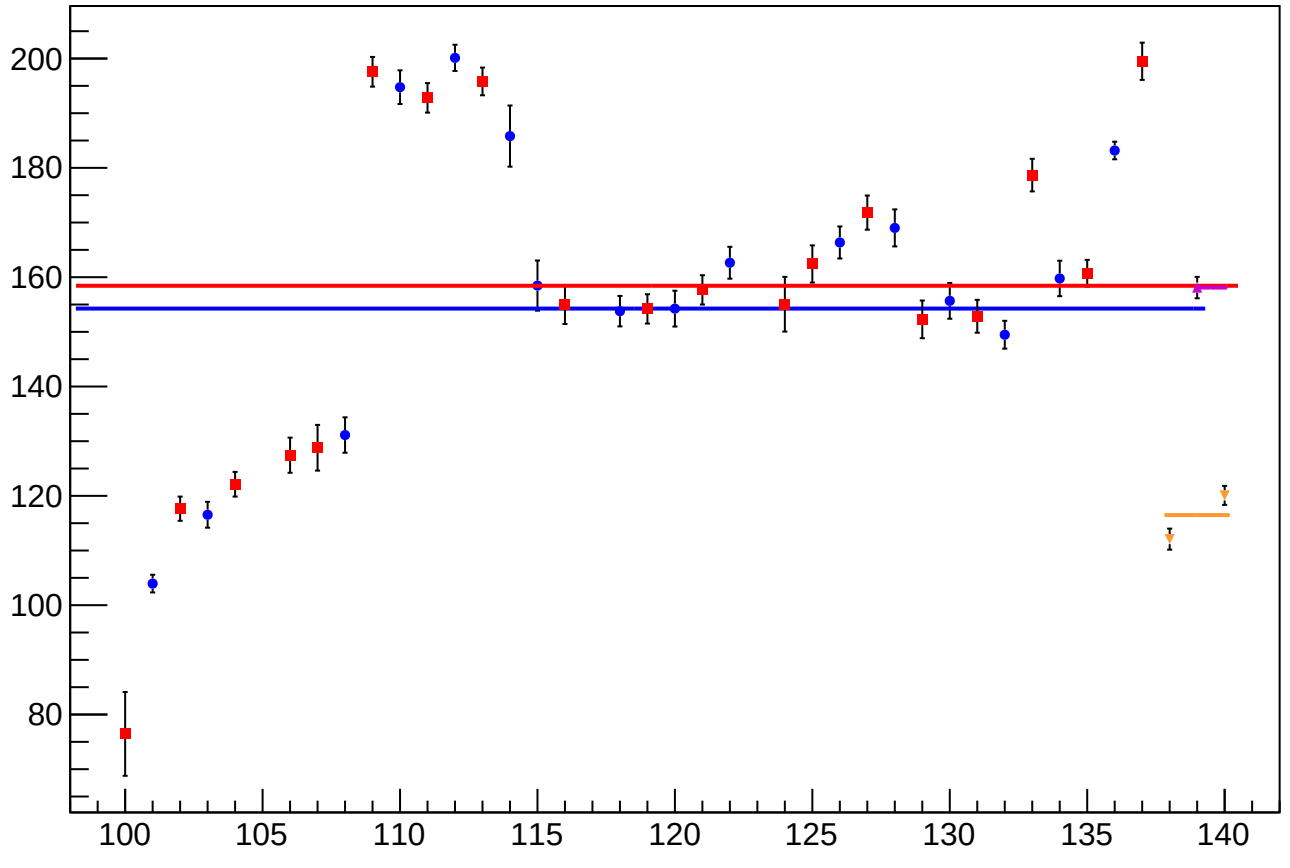
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -80.719+/-0.581 χ^2/NDF:1525.9/16

Out: -75.117+/-0.544 χ^2/NDF:1306.6/20

All: -77.732+/-0.397 χ^2/NDF: 2882.0/37


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
105
110
115
120
125
130
135
140
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: -3.142+/-1.120 χ²/NDF:25.8/1
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 11.038+/-3.383 χ²/NDF:0.0/0
Left: -1.742+/-1.063 χ²/NDF: 41.6/2
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 9.591+/-0.611 χ²/NDF:267.2/16
Out: 8.333+/-0.554 χ²/NDF:360.6/20
All: 8.900+/-0.410 χ²/NDF: 630.1/37



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 116.488+/-1.292 χ^2/NDF:9.5/1

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 158.101+/-1.959 χ^2/NDF:0.0/0

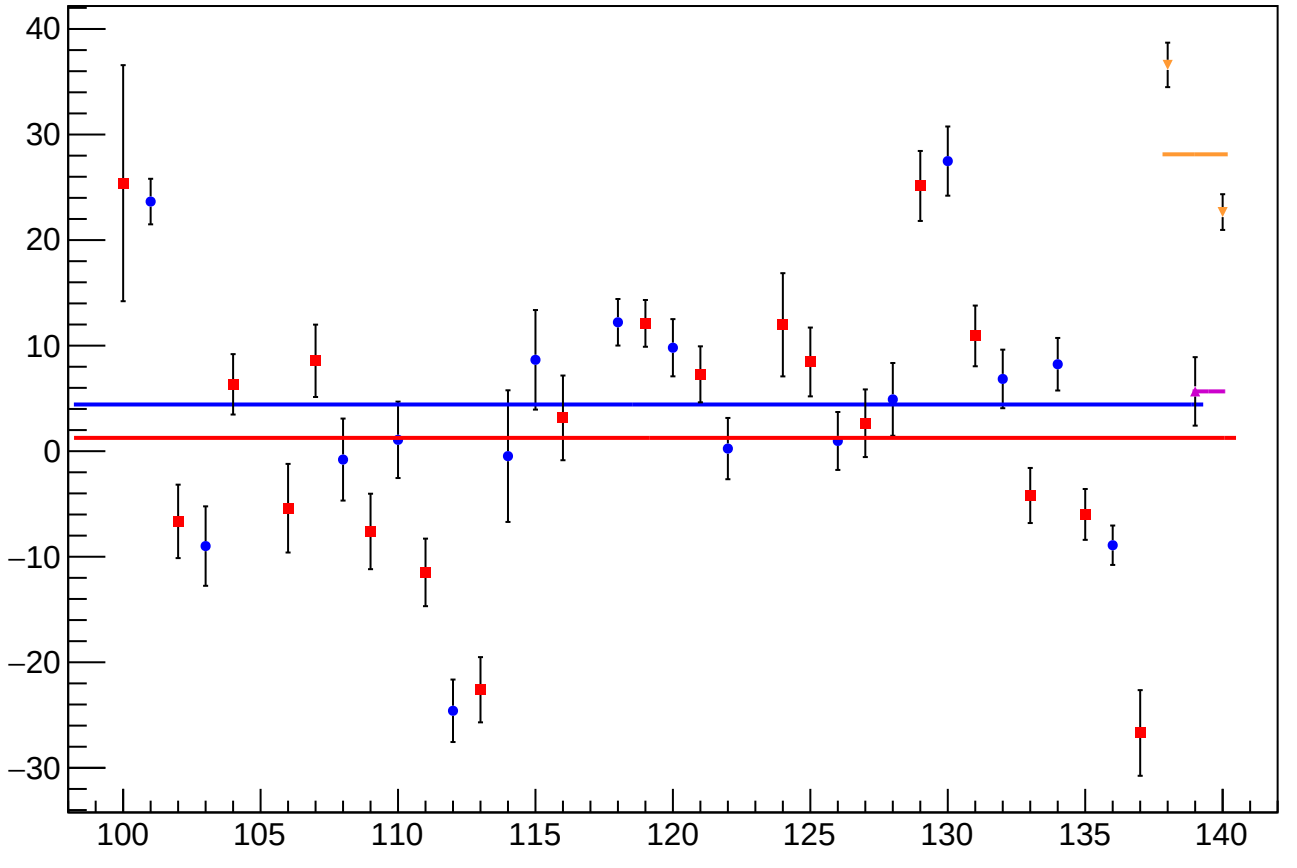
Left: 129.096+/-1.078 χ^2/NDF: 324.0/2

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 154.653+/-0.627 χ^2/NDF:2217.1/16

Out: 149.276+/-0.603 χ^2/NDF:2498.3/20

All: 151.862+/-0.435 χ^2/NDF: 4753.6/37



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 28.125+/-1.319 χ^2/NDF:26.6/1

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 5.665+/-3.244 χ^2/NDF:0.0/0

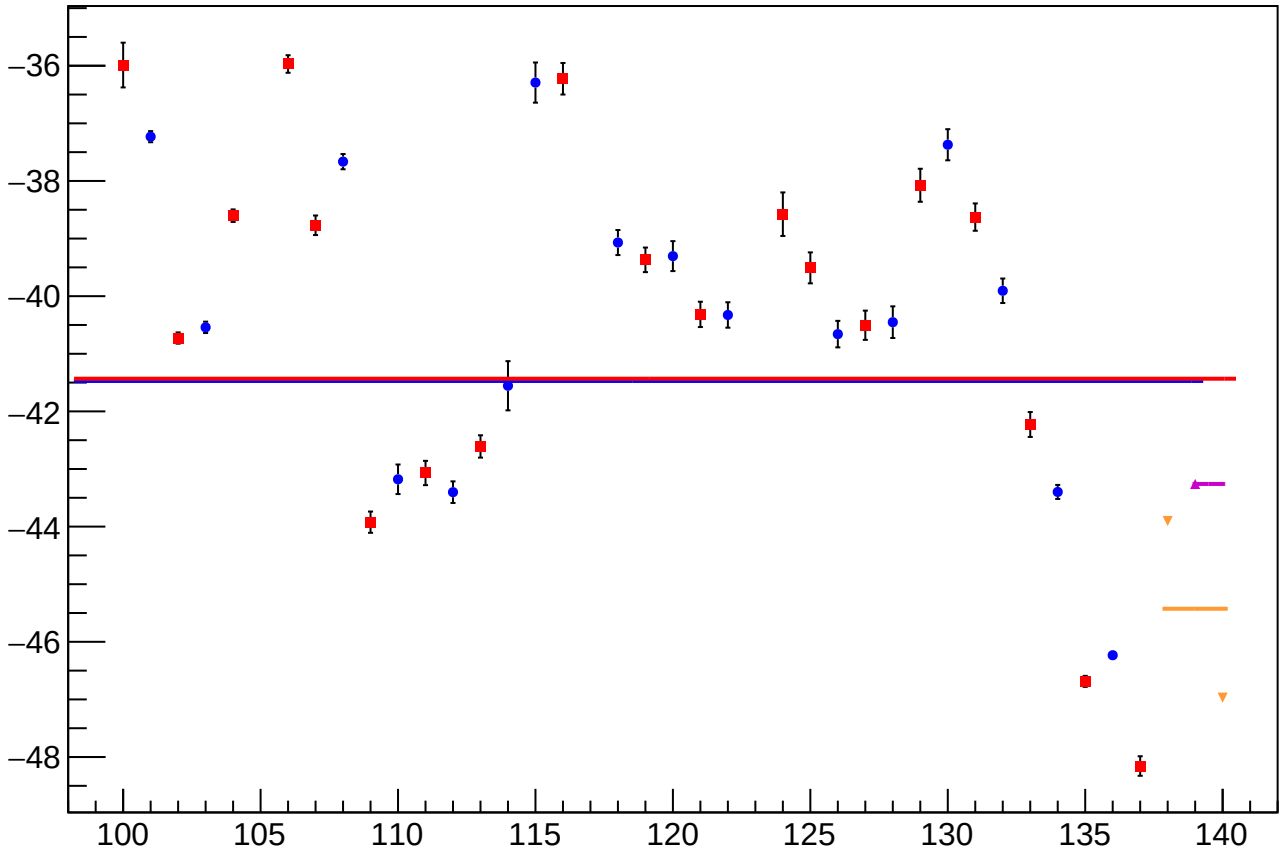
Left: 24.938+/-1.222 χ^2/NDF: 67.8/2

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

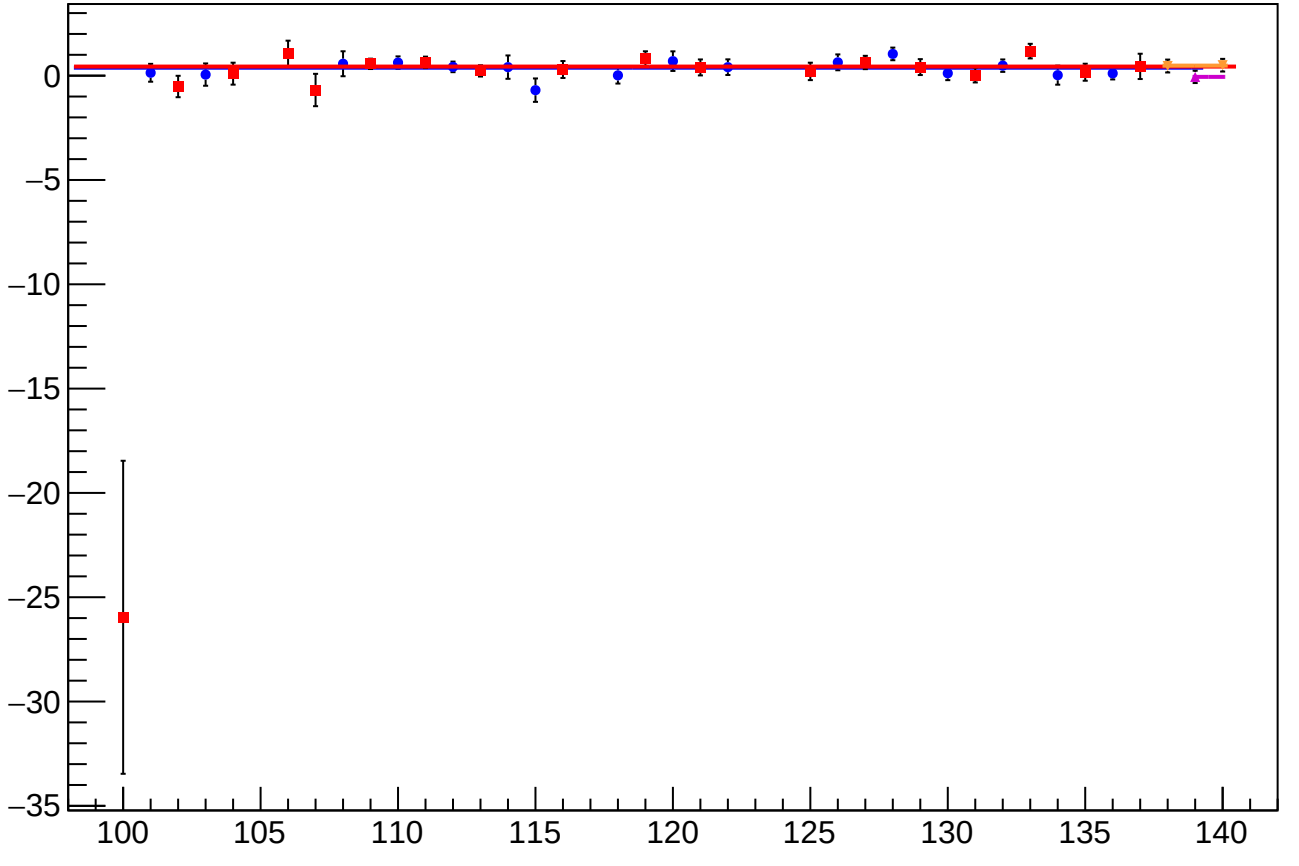
In: 4.481+/-0.697 χ^2/NDF:316.2/16

Out: 7.578+/-0.640 χ^2/NDF:608.6/20

All: 6.163+/-0.471 χ^2/NDF: 935.5/37


reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected
−36
−38
−40
−42
−44
−46
−48
100
105
110
115
120
125
130
135
140
Right In: -41.472+/-0.038 χ²/NDF: 7912.0/15
Left Out: -45.426+/-0.055 χ²/NDF:787.2/1
Right Out: -41.433+/-0.040 χ²/NDF: 8225.4/18
Left In: -43.260+/-0.070 χ²/NDF:0.0/0
Left: -44.604+/-0.043 χ²/NDF: 1383.6/2
Right: -41.453+/-0.027 χ²/NDF: 16137.9/34
In: -41.882+/-0.033 χ²/NDF:8416.6/16
Out: -42.804+/-0.032 χ²/NDF:12519.1/20
All: -42.363+/-0.023 χ²/NDF: 21332.2/37

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.482+/-0.217 χ^2/NDF:0.0/1

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: -0.058+/-0.296 χ^2/NDF:0.0/0

Left: 0.294+/-0.175 χ^2/NDF: 2.2/2

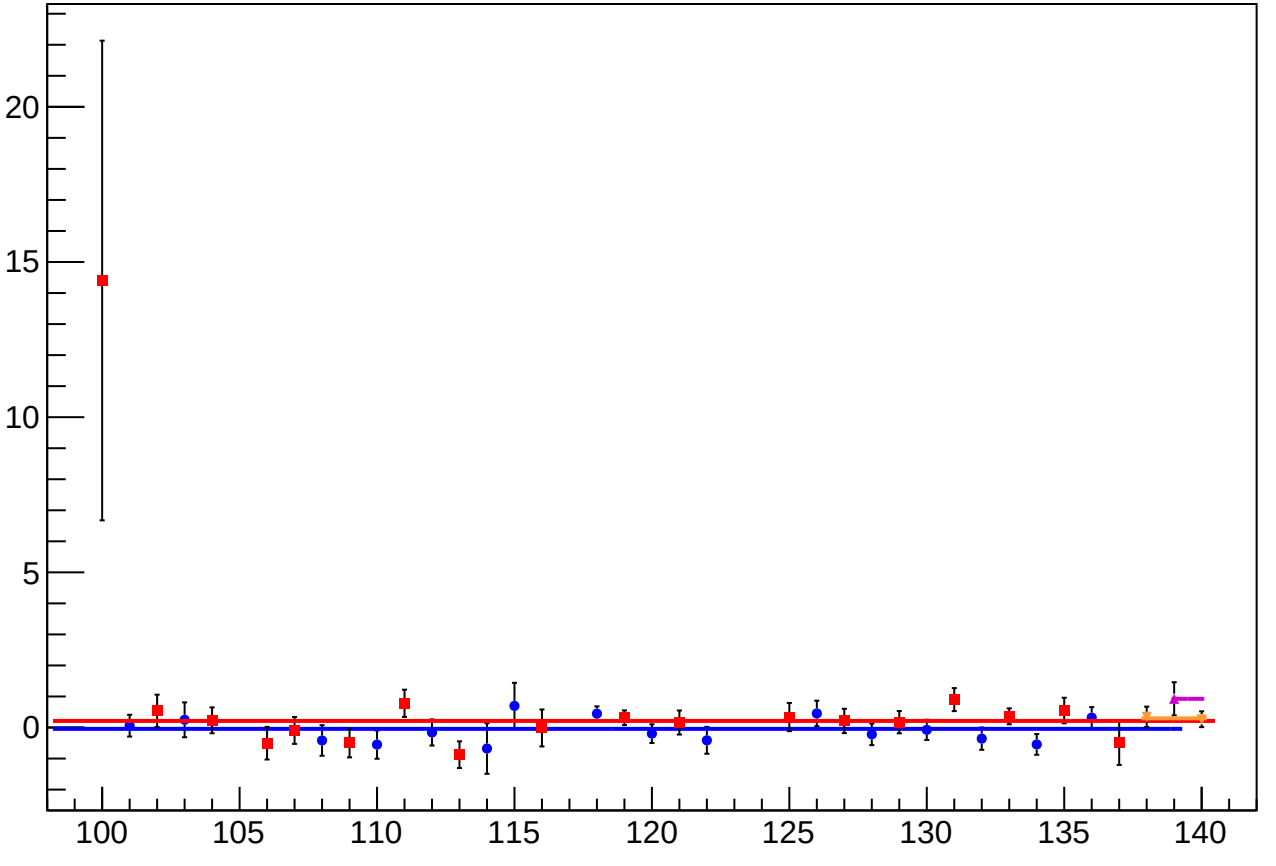
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.343+/-0.088 χ^2/NDF:16.0/16

Out: 0.443+/-0.083 χ^2/NDF:29.0/19

All: 0.396+/-0.060 χ^2/NDF: 45.7/36

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.296+/-0.201 χ^2/NDF:0.0/1

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.925+/-0.534 χ^2/NDF:0.0/0

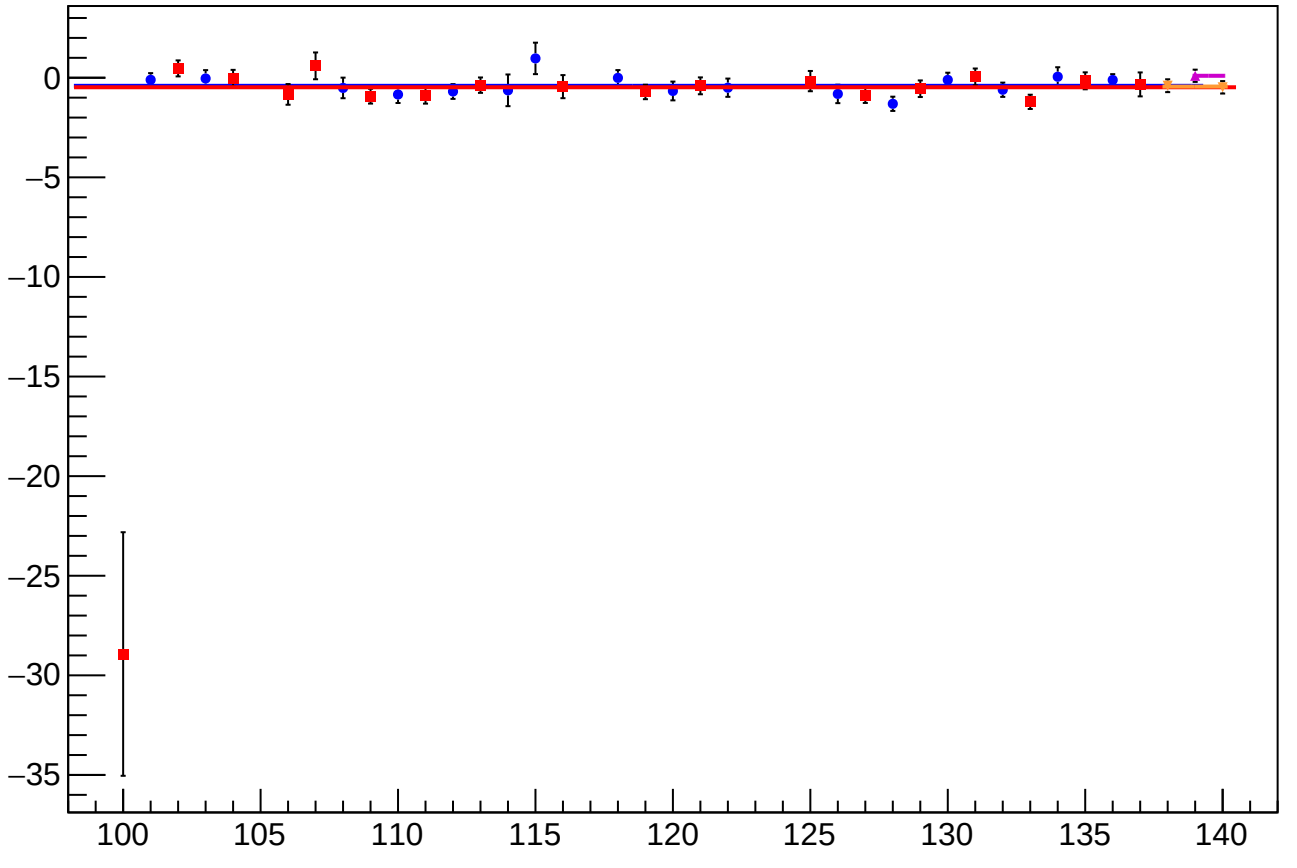
Left: 0.374+/-0.188 χ^2/NDF: 1.2/2

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: -0.013+/-0.093 χ^2/NDF:18.2/16

Out: 0.228+/-0.086 χ^2/NDF:22.6/19

All: 0.116+/-0.063 χ^2/NDF: 44.4/36



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.442+/-0.224 χ^2/NDF:0.0/1

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: 0.098+/-0.308 χ^2/NDF:0.0/0

Left: -0.254+/-0.181 χ^2/NDF: 2.0/2

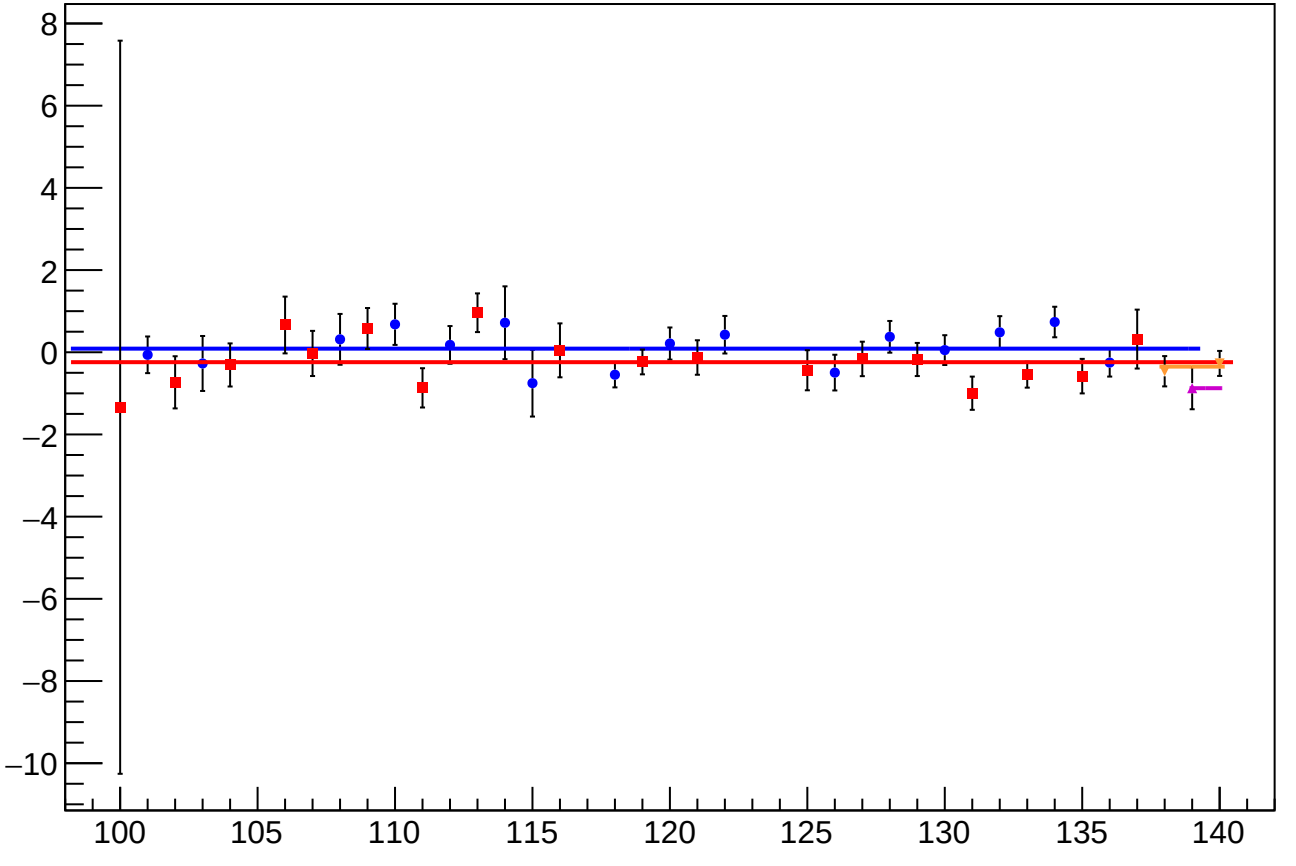
Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.355+/-0.098 χ^2/NDF:20.2/16

Out: -0.471+/-0.095 χ^2/NDF:42.3/19

All: -0.415+/-0.068 χ^2/NDF: 63.2/36

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.349+/-0.235 χ^2/NDF:0.2/1

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.874+/-0.512 χ^2/NDF:0.0/0

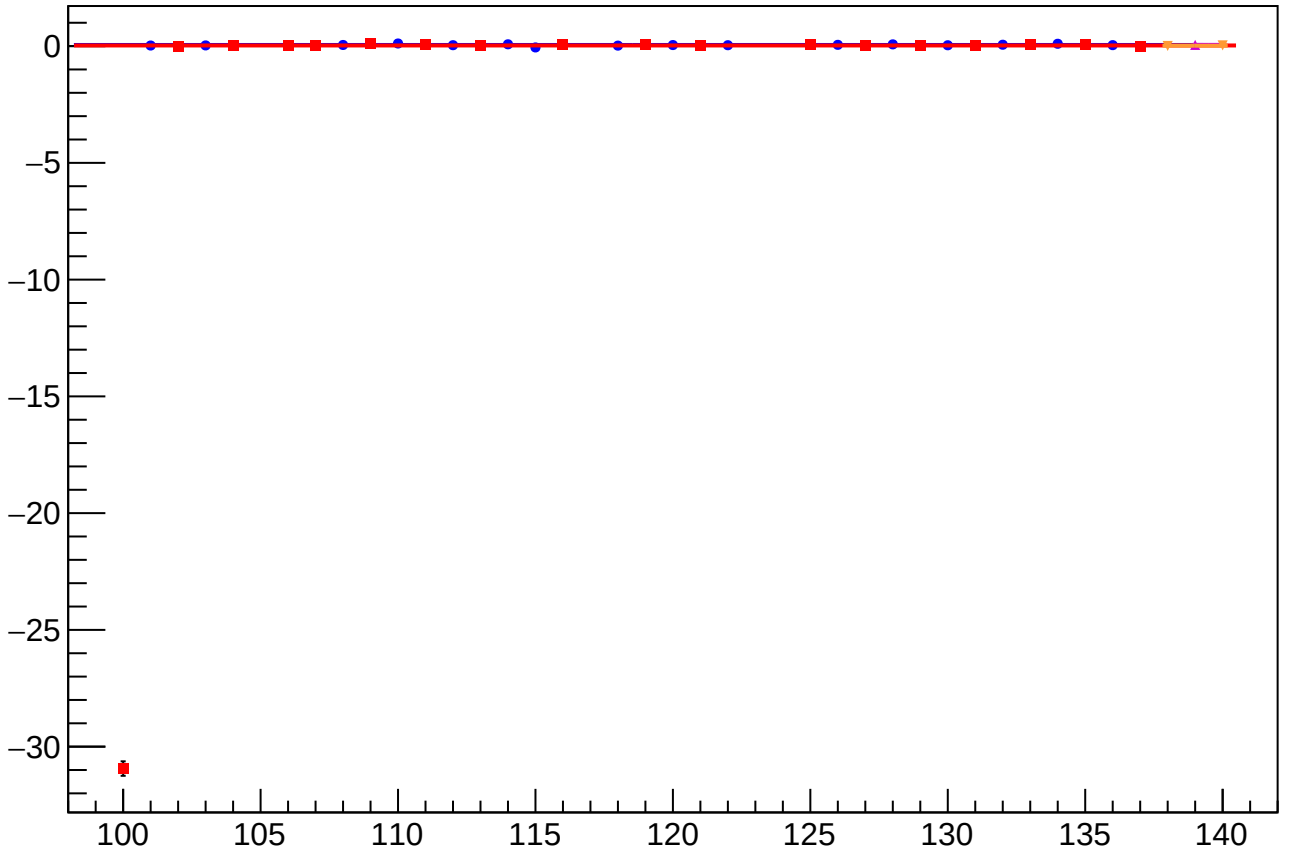
Left: -0.440+/-0.213 χ^2/NDF: 1.0/2

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: 0.047+/-0.106 χ^2/NDF:19.2/16

Out: -0.261+/-0.099 χ^2/NDF:19.9/19

All: -0.117+/-0.072 χ^2/NDF: 43.7/36



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.018+/-0.009 χ^2/NDF:1.7/1

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.052+/-0.011 χ^2/NDF:0.0/0

Left: 0.032+/-0.007 χ^2/NDF: 7.5/2

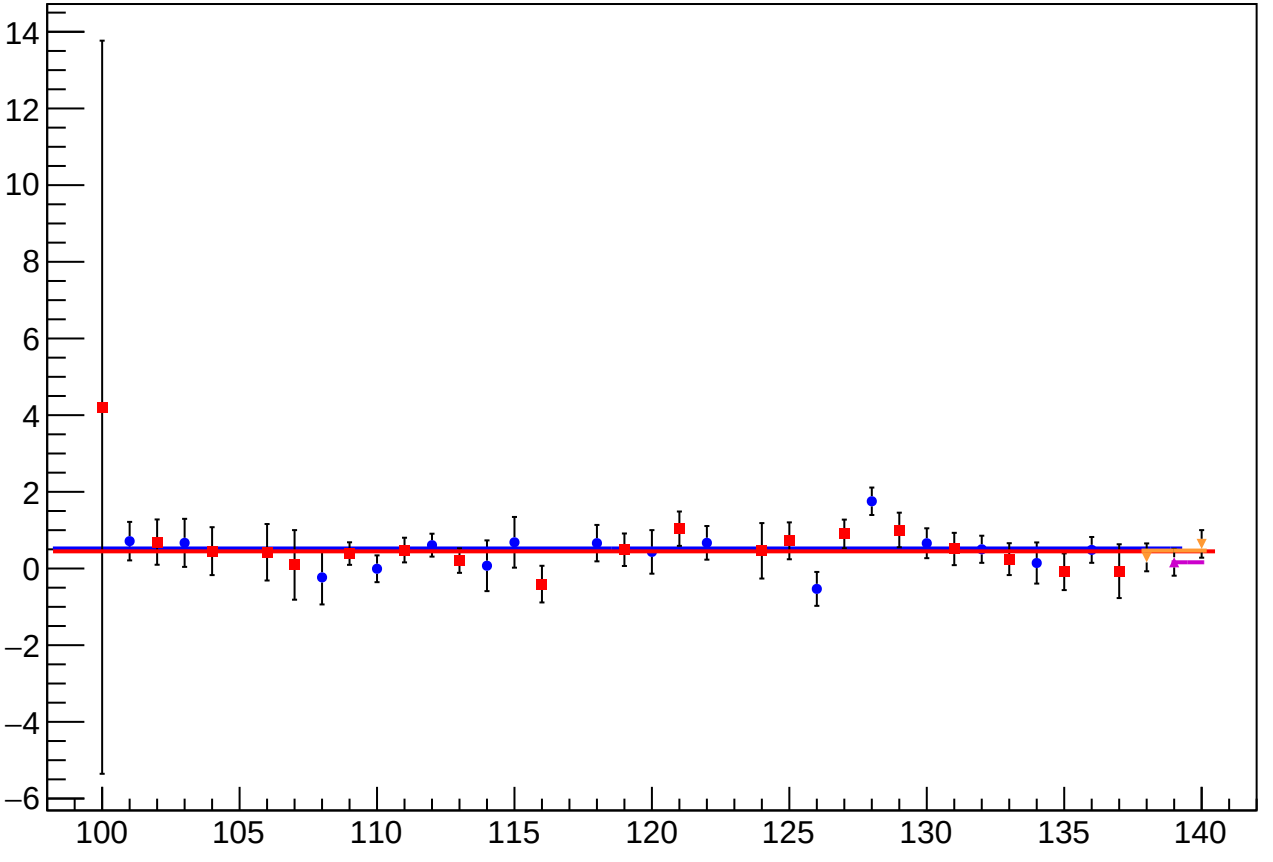
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.049+/-0.005 χ^2/NDF:19.3/16

Out: 0.025+/-0.005 χ^2/NDF:10023.5/19

All: 0.037+/-0.004 χ^2/NDF: 10053.5/36

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.468+/-0.256 χ^2/NDF:0.5/1

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: 0.162+/-0.350 χ^2/NDF:0.0/0

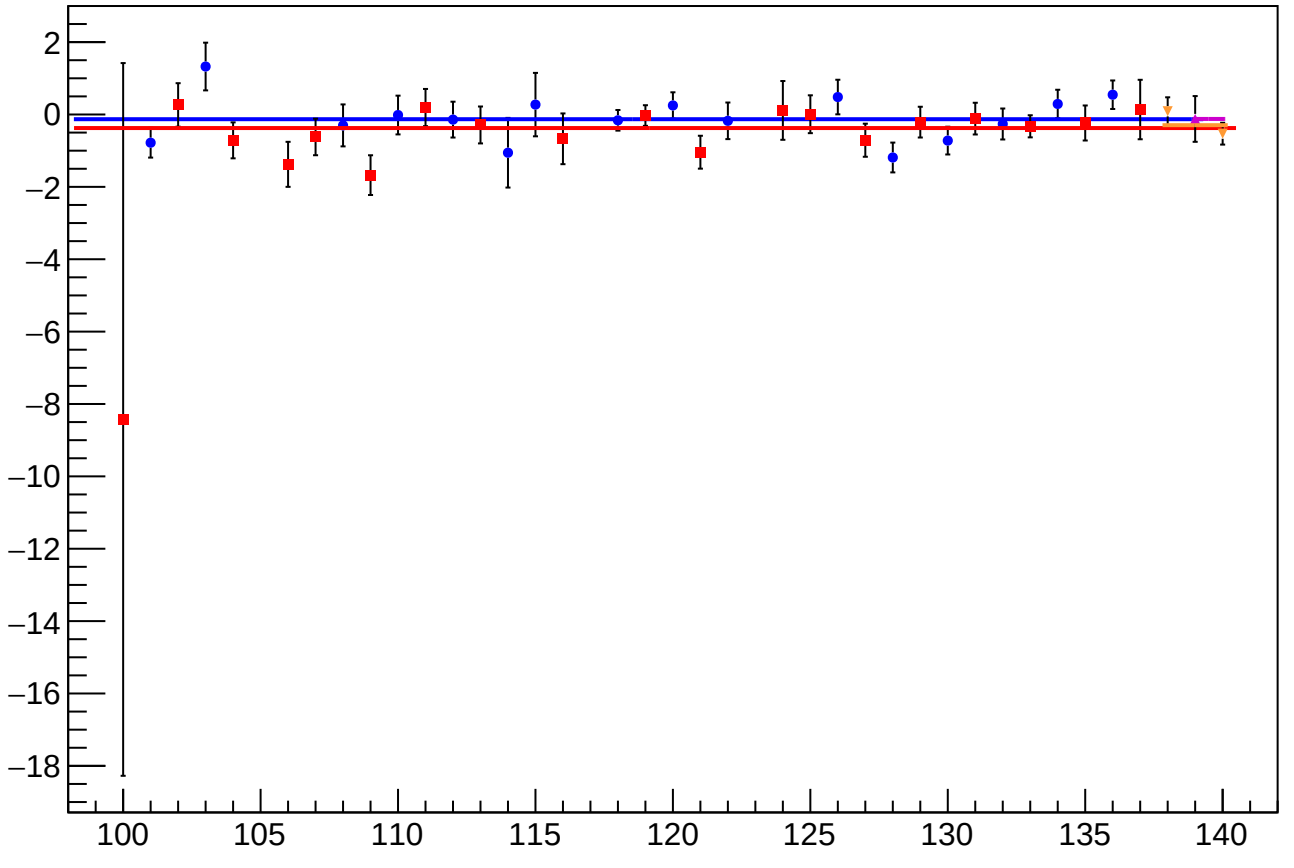
Left: 0.361+/-0.206 χ^2/NDF: 1.0/2

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.491+/-0.104 χ^2/NDF:23.6/16

Out: 0.451+/-0.097 χ^2/NDF:11.9/20

All: 0.469+/-0.071 χ^2/NDF: 35.5/37



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.295+/-0.238 χ^2/NDF:1.6/1

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.123+/-0.632 χ^2/NDF:0.0/0

Left: -0.274+/-0.222 χ^2/NDF: 1.7/2

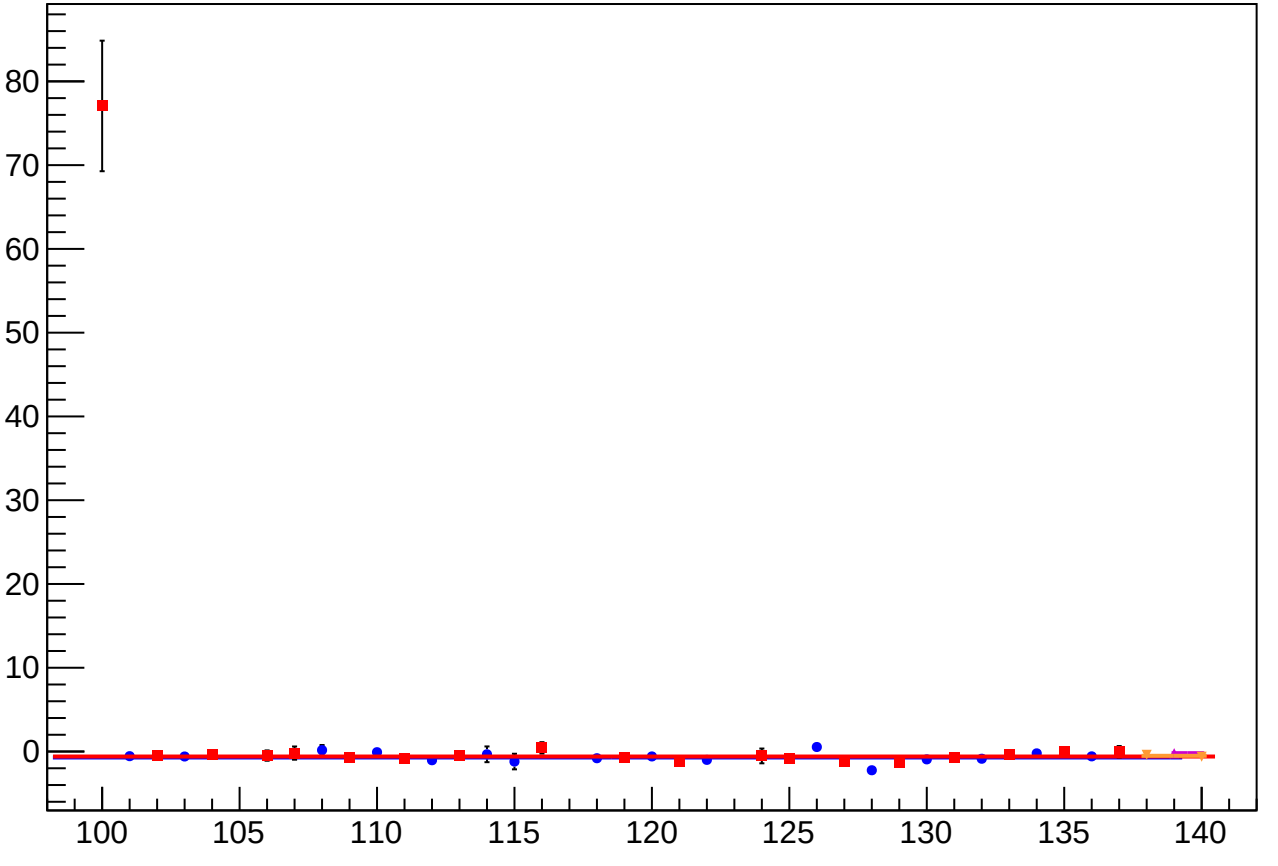
Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.130+/-0.110 χ^2/NDF:24.6/16

Out: -0.361+/-0.101 χ^2/NDF:19.9/20

All: -0.255+/-0.074 χ^2/NDF: 46.9/37

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.511+/-0.265 χ^2/NDF:0.2/1

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: -0.196+/-0.364 χ^2/NDF:0.0/0

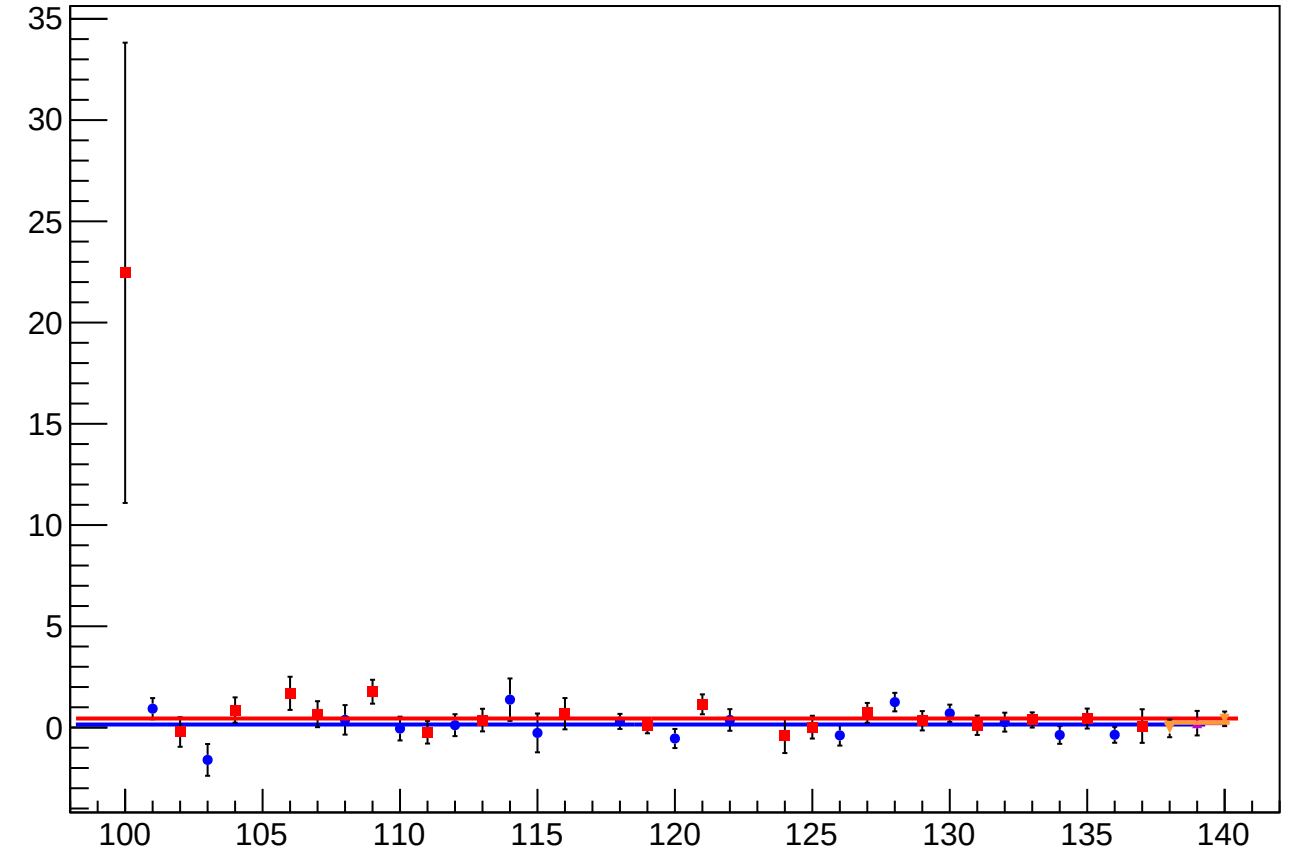
Left: -0.402+/-0.214 χ^2/NDF: 0.7/2

Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.661+/-0.115 χ^2/NDF:26.7/16

Out: -0.582+/-0.111 χ^2/NDF:111.2/20

All: -0.620+/-0.080 χ^2/NDF: 138.2/37



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.234+/-0.277 χ^2/NDF:0.7/1

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.215+/-0.606 χ^2/NDF:0.0/0

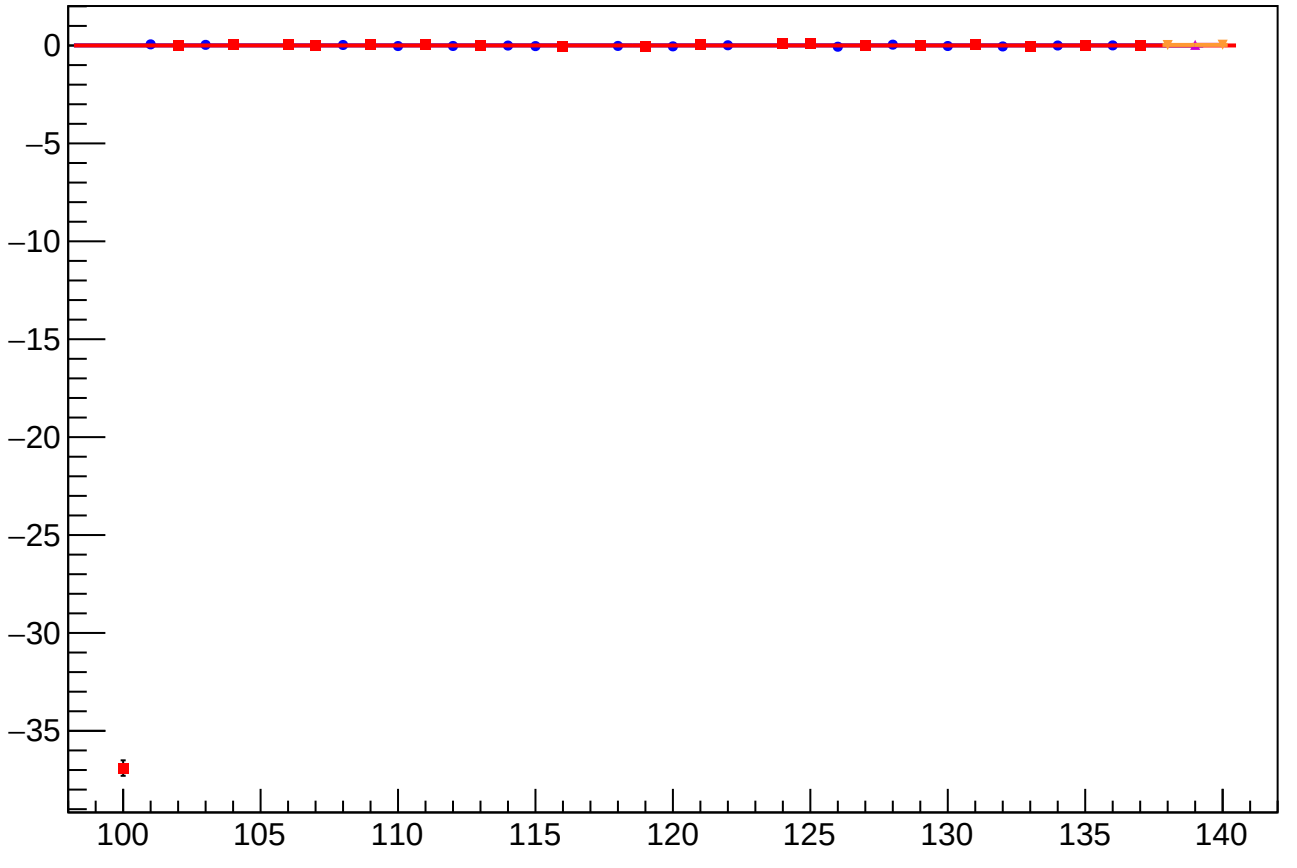
Left: 0.231+/-0.252 χ^2/NDF: 0.7/2

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.151+/-0.125 χ^2/NDF:23.3/16

Out: 0.408+/-0.116 χ^2/NDF:20.9/20

All: 0.289+/-0.085 χ^2/NDF: 46.4/37



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.031+/-0.011 χ^2/NDF:0.5/1

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.033+/-0.013 χ^2/NDF:0.0/0

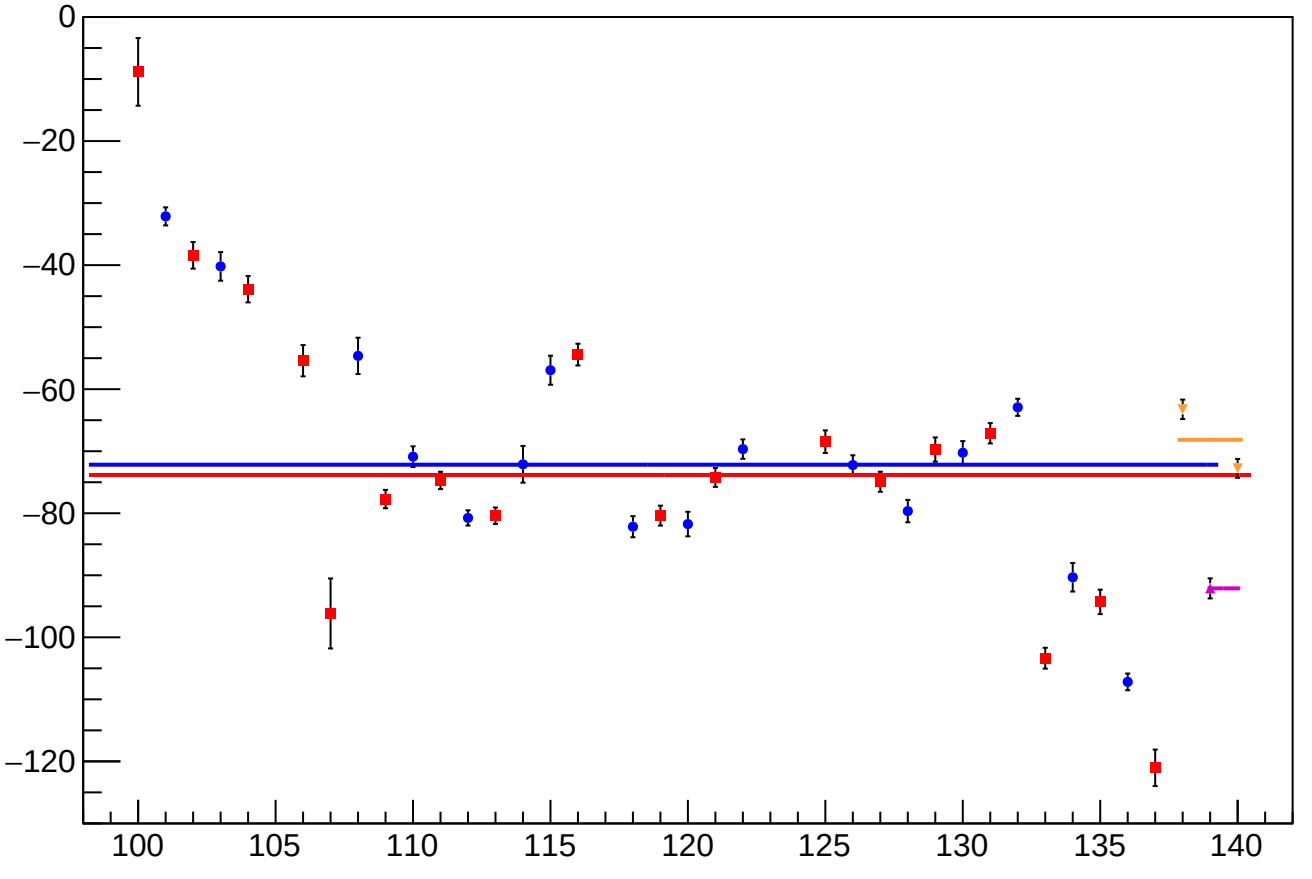
Left: 0.032+/-0.008 χ^2/NDF: 0.5/2

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.013+/-0.006 χ^2/NDF:20.9/16

Out: 0.011+/-0.006 χ^2/NDF:8758.4/20

All: 0.012+/-0.004 χ^2/NDF: 8779.3/37



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -68.158+/-1.092 χ^2/NDF:19.0/1

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -92.111+/-1.618 χ^2/NDF:0.0/0

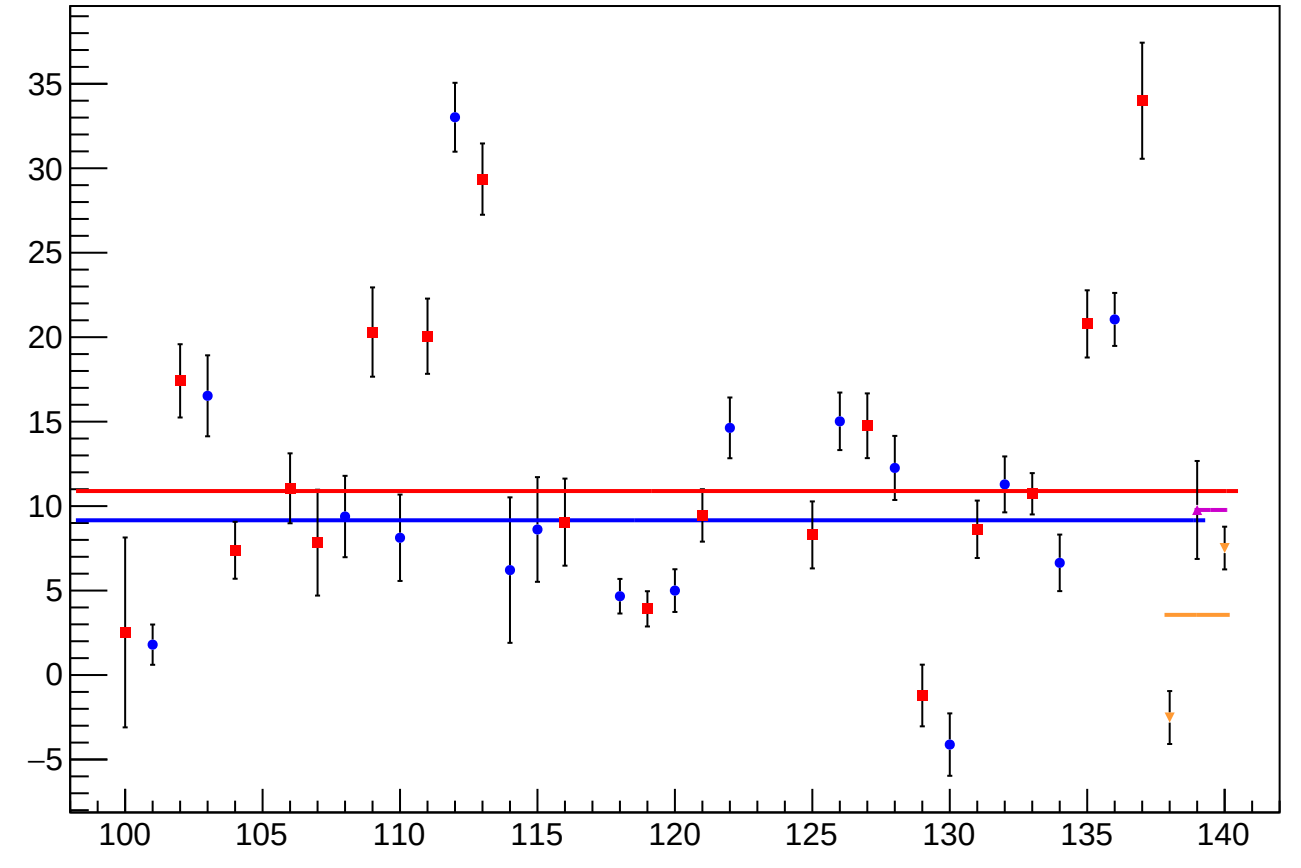
Left: -75.650+/-0.905 χ^2/NDF: 169.6/2

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -73.499+/-0.417 χ^2/NDF:2077.7/16

Out: -73.067+/-0.401 χ^2/NDF:1600.0/19

All: -73.274+/-0.289 χ^2/NDF: 3678.3/36



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 3.562+/-0.984 χ^2/NDF:24.8/1

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 9.772+/-2.900 χ^2/NDF:0.0/0

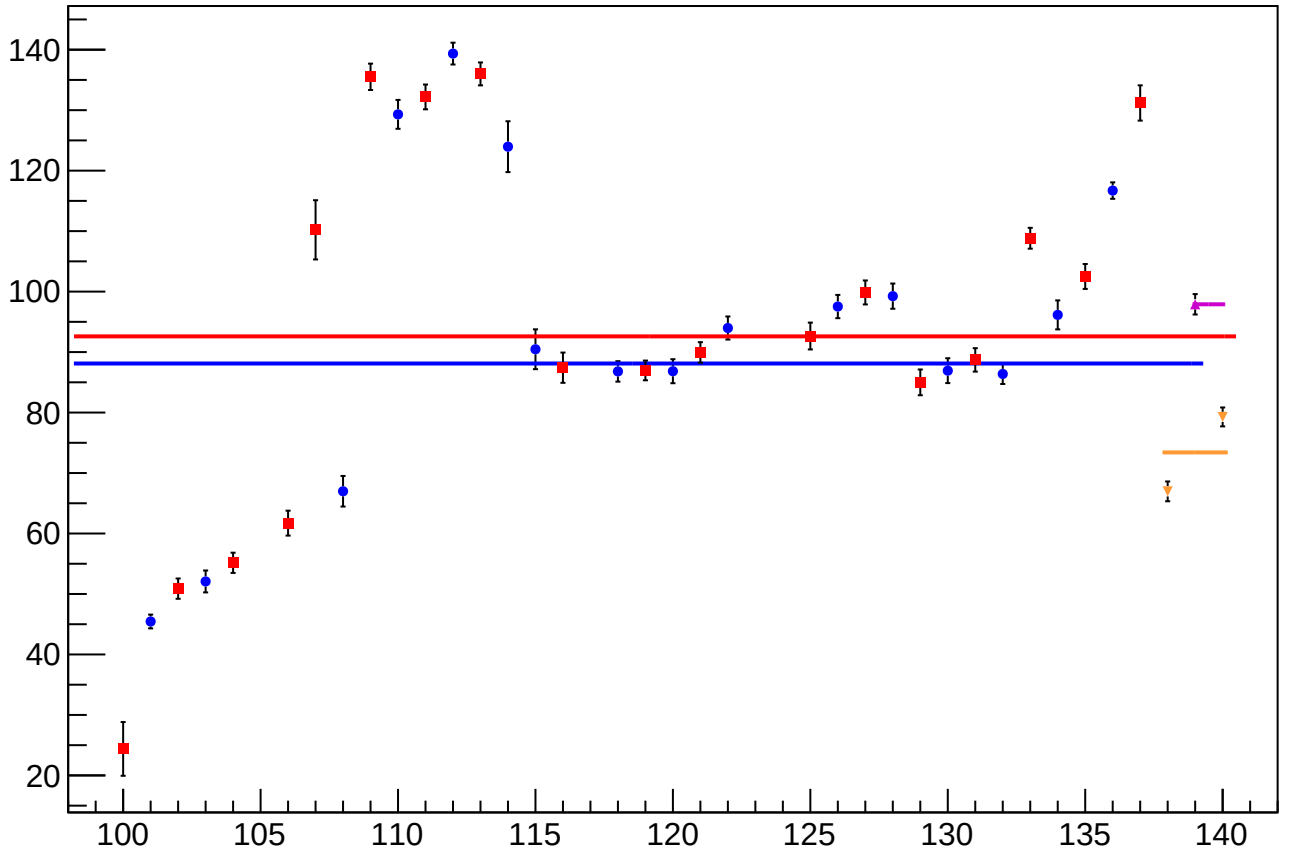
Left: 4.203+/-0.932 χ^2/NDF: 28.9/2

Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 9.174+/-0.421 χ^2/NDF:352.1/16

Out: 9.670+/-0.402 χ^2/NDF:361.3/19

All: 9.433+/-0.291 χ^2/NDF: 714.1/36



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 73.407+/-1.131 χ^2/NDF:29.6/1

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 97.900+/-1.688 χ^2/NDF:0.0/0

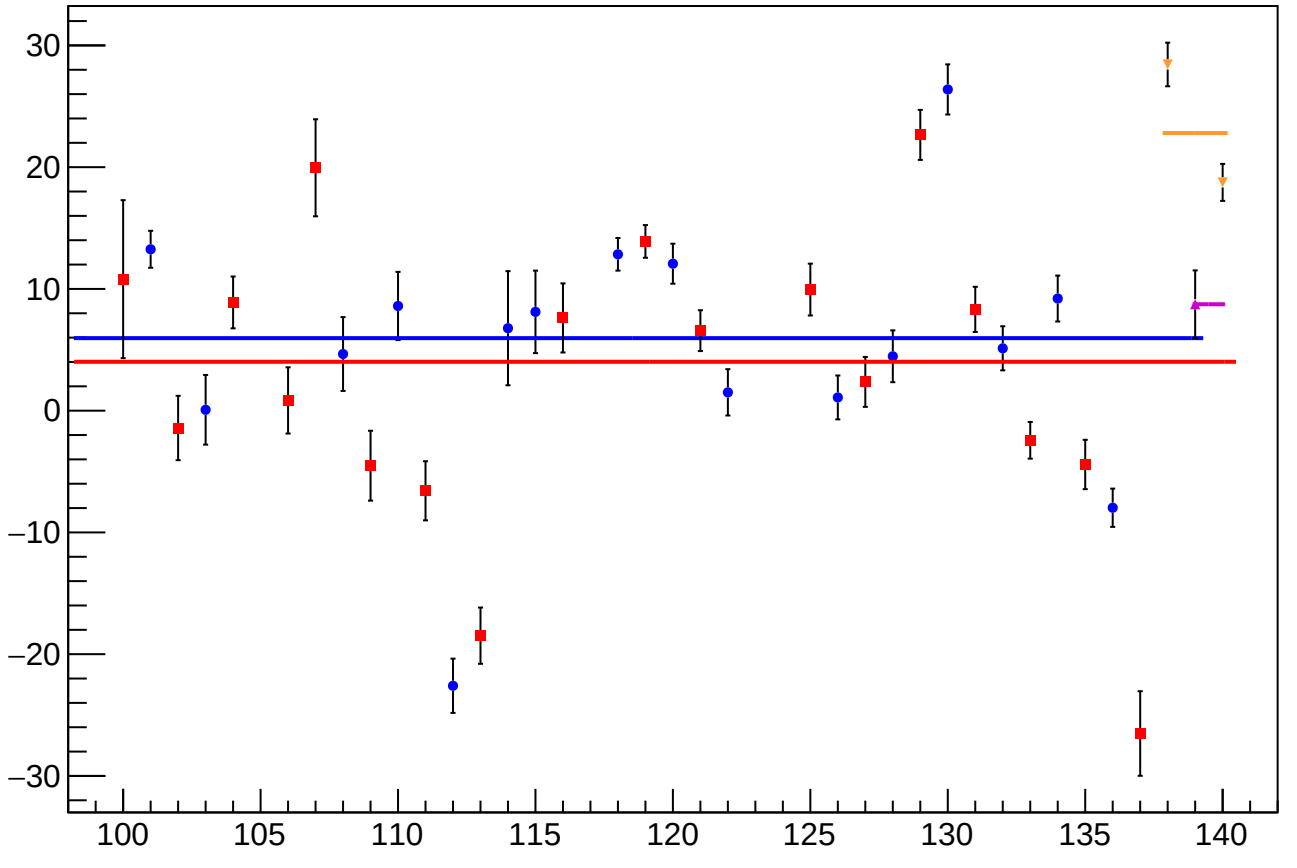
Left: 80.991+/-0.939 χ^2/NDF: 174.9/2

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 88.810+/-0.452 χ^2/NDF:3592.9/16

Out: 89.633+/-0.444 χ^2/NDF:3484.1/19

All: 89.228+/-0.317 χ^2/NDF: 7078.7/36



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 22.803+/-1.158 χ^2/NDF:17.0/1

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 8.742+/-2.780 χ^2/NDF:0.0/0

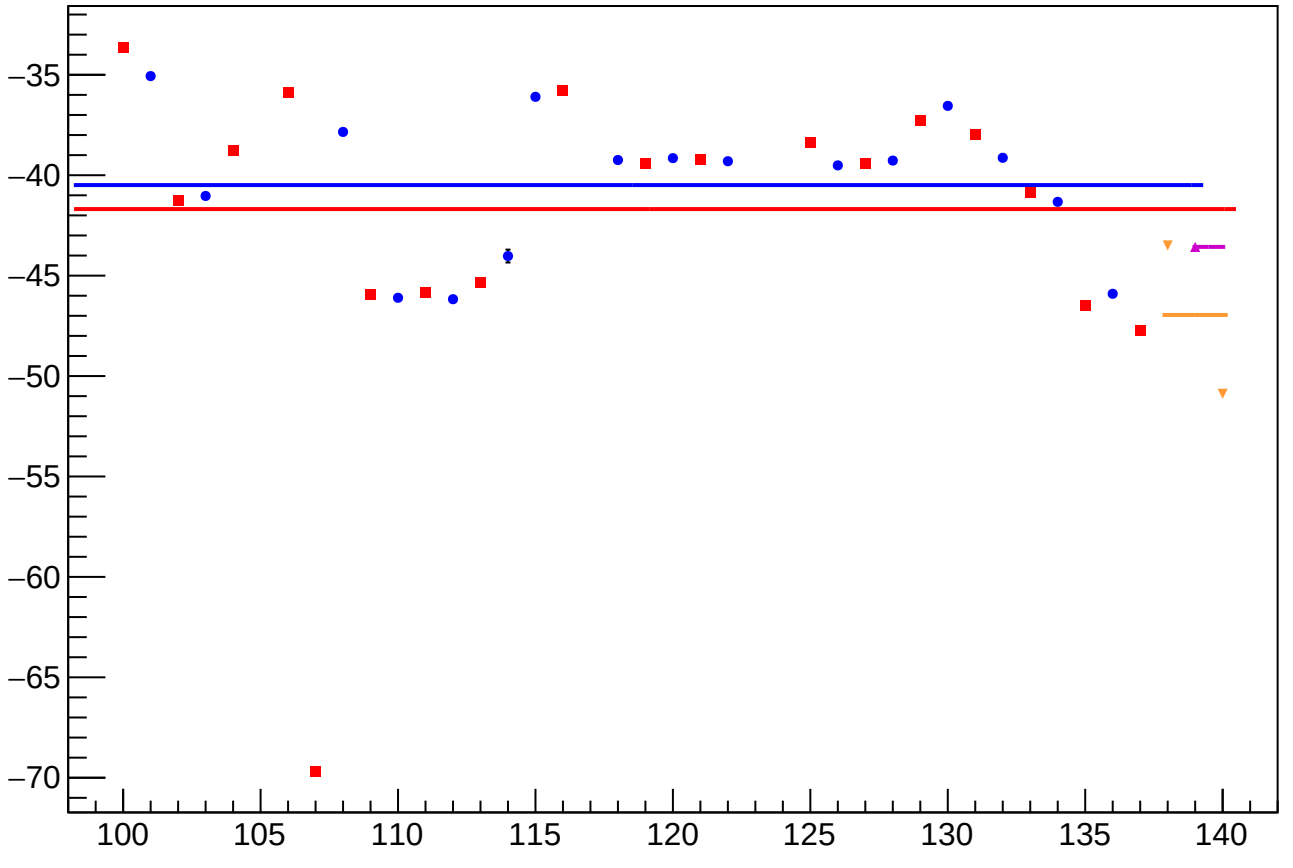
Left: 20.723+/-1.069 χ^2/NDF: 38.8/2

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 6.043+/-0.487 χ^2/NDF:427.8/16

Out: 7.064+/-0.466 χ^2/NDF:655.1/19

All: 6.575+/-0.337 χ^2/NDF: 1085.1/36



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -46.958+/-0.048 χ^2/NDF:5961.6/1

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -43.569+/-0.060 χ^2/NDF:0.0/0

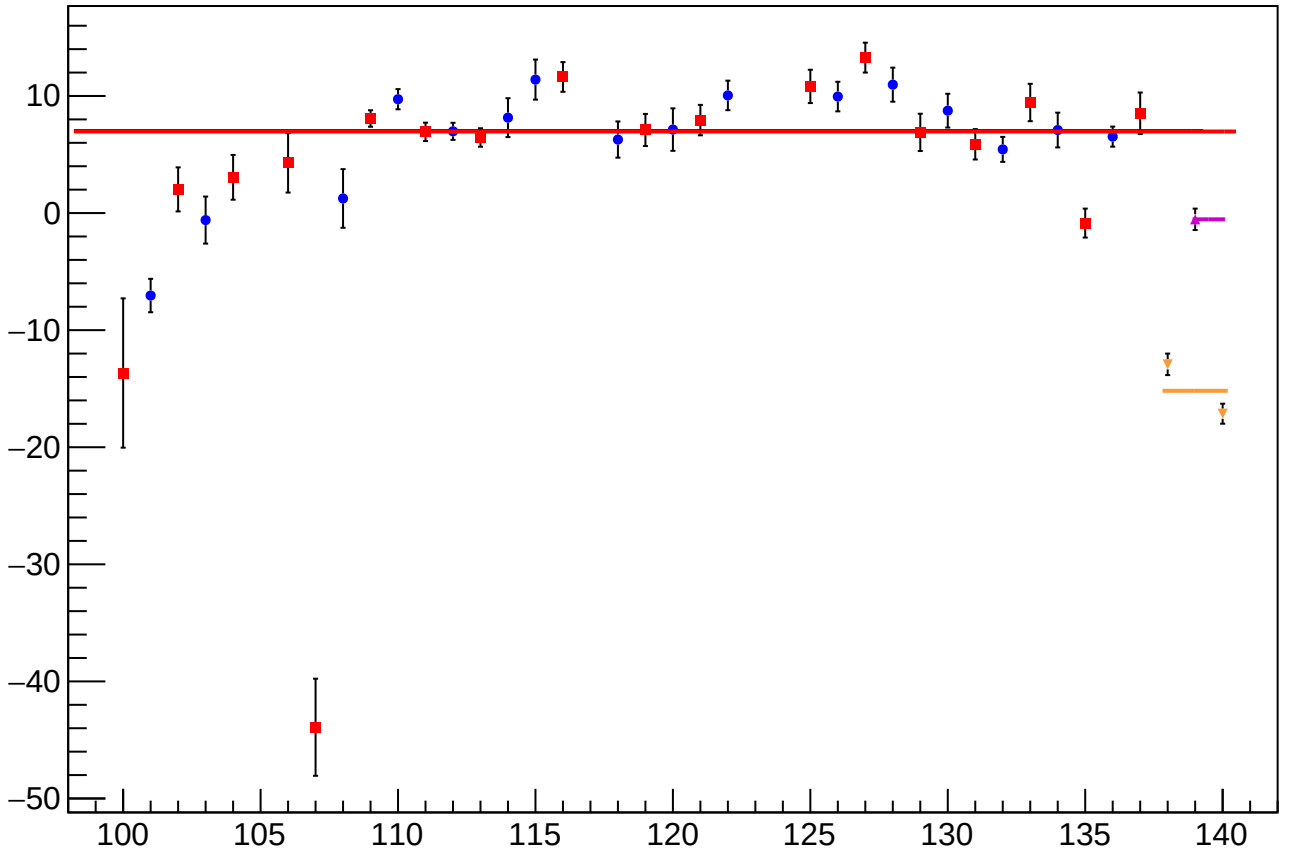
Left: -45.642+/-0.037 χ^2/NDF: 7918.7/2

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -41.053+/-0.026 χ^2/NDF:20282.6/16

Out: -43.125+/-0.025 χ^2/NDF:51668.4/19

All: -42.116+/-0.018 χ^2/NDF: 75313.3/36



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -15.179+/-0.626 χ^2/NDF:11.3/1

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -0.534+/-0.914 χ^2/NDF:0.0/0

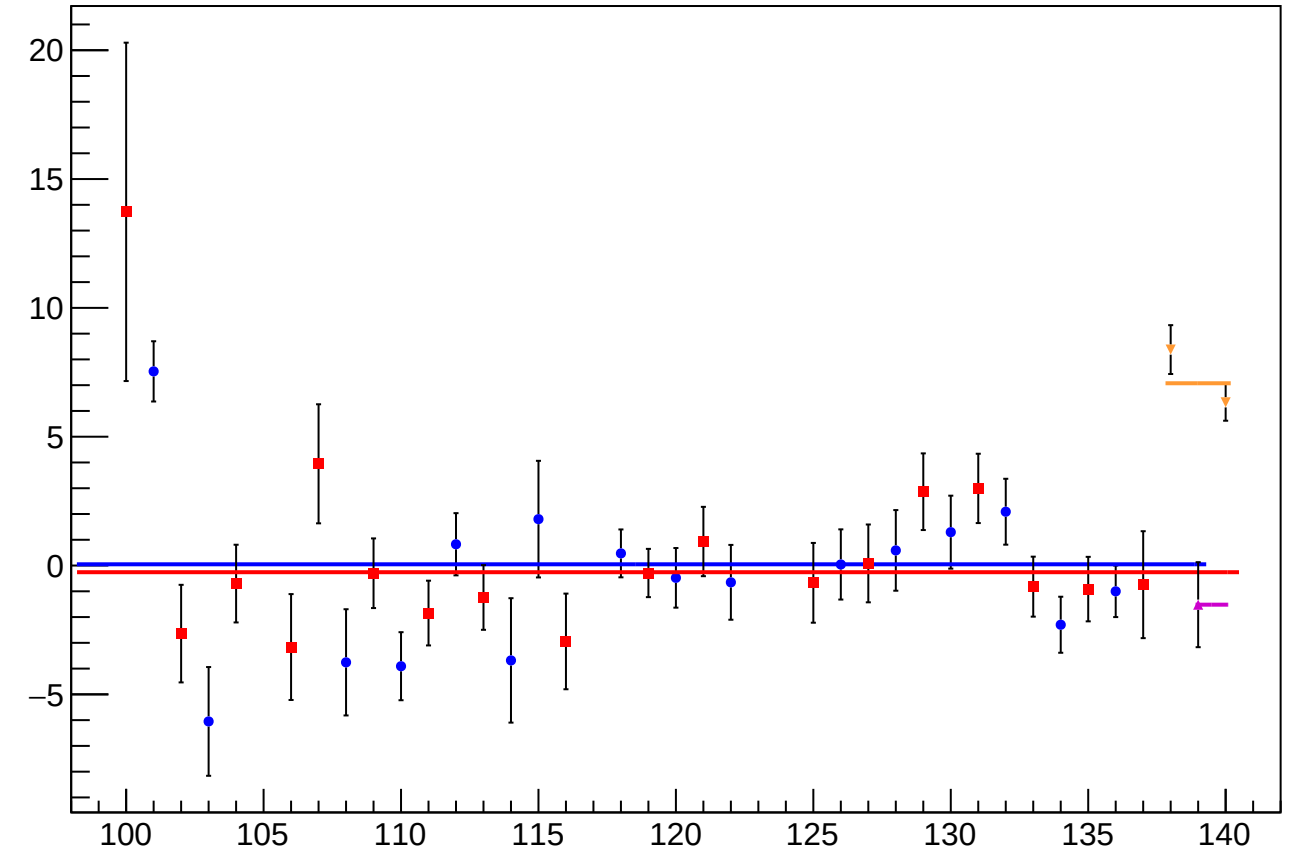
Left: -10.504+/-0.516 χ^2/NDF: 186.2/2

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 6.235+/-0.293 χ^2/NDF:217.5/16

Out: 2.868+/-0.269 χ^2/NDF:1298.3/19

All: 4.409+/-0.198 χ^2/NDF: 1587.4/36



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 7.074+/-0.570 χ^2/NDF:3.0/1

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: -1.519+/-1.650 χ^2/NDF:0.0/0

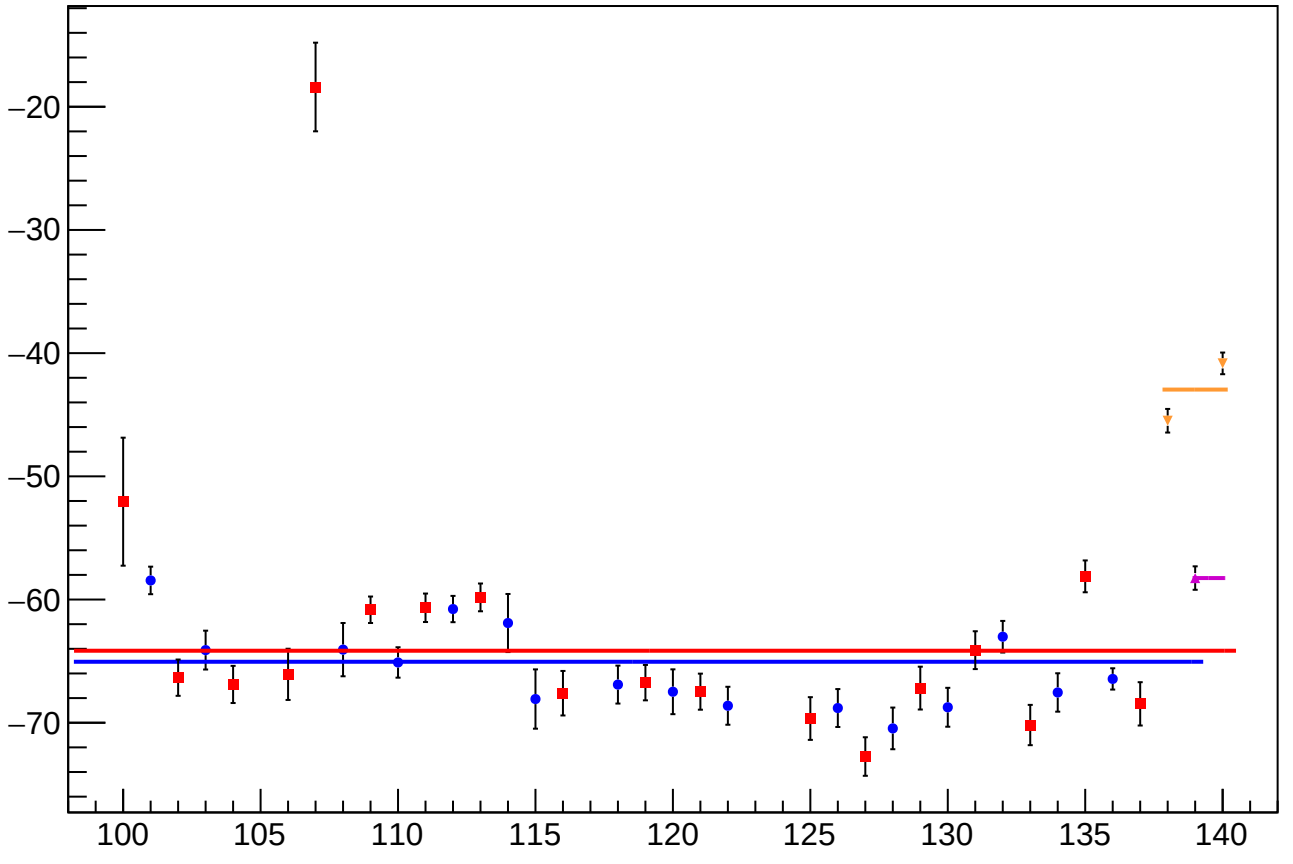
Left: 6.158+/-0.539 χ^2/NDF: 27.2/2

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: -0.013+/-0.325 χ^2/NDF:75.9/16

Out: 1.702+/-0.295 χ^2/NDF:151.7/19

All: 0.928+/-0.218 χ^2/NDF: 242.8/36



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -42.957+/-0.648 χ^2/NDF:12.8/1

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -58.257+/-0.952 χ^2/NDF:0.0/0

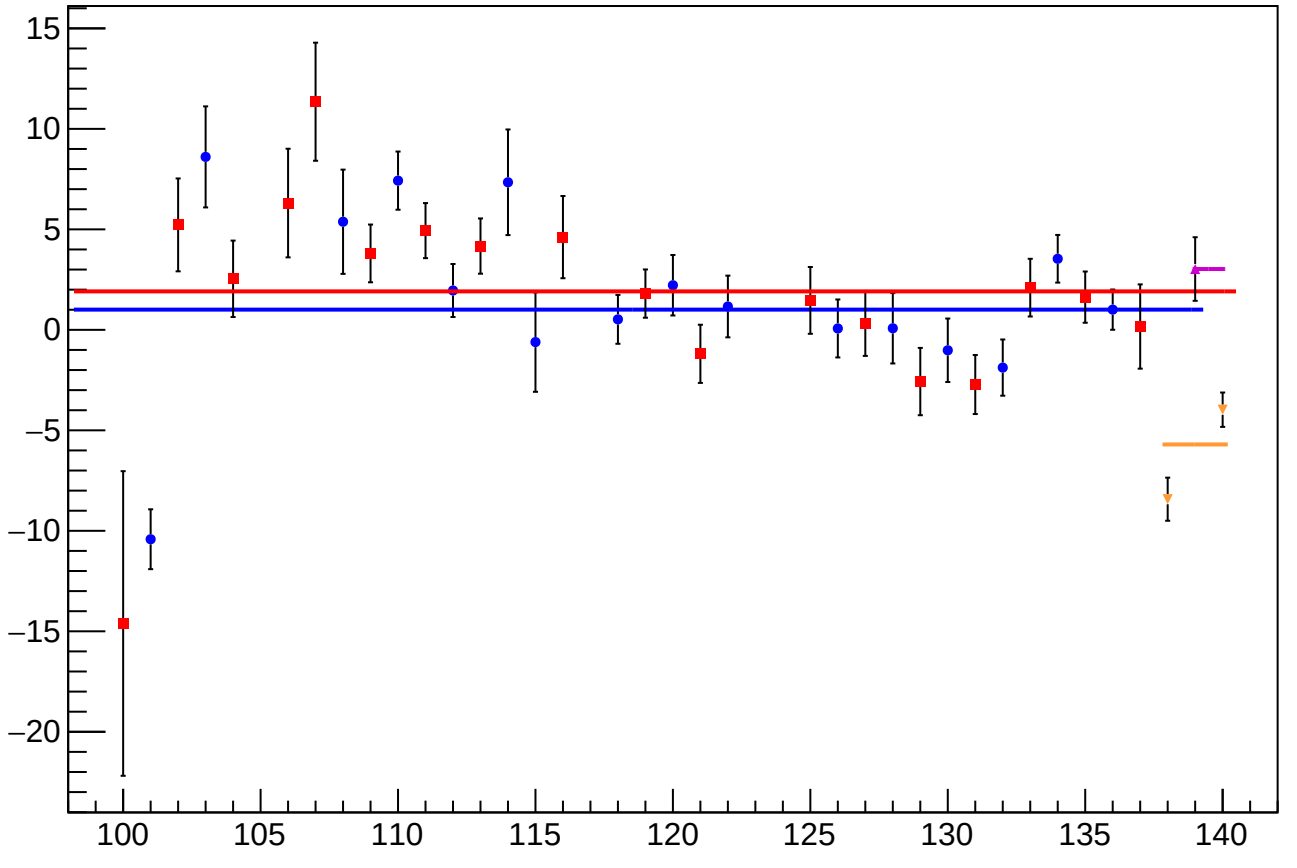
Left: -47.799+/-0.536 χ^2/NDF: 189.3/2

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -64.225+/-0.332 χ^2/NDF:137.6/16

Out: -59.145+/-0.315 χ^2/NDF:1134.1/19

All: -61.553+/-0.228 χ^2/NDF: 1395.0/36



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -5.703+/-0.668 χ^2/NDF:10.5/1

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 3.027+/-1.583 χ^2/NDF:0.0/0

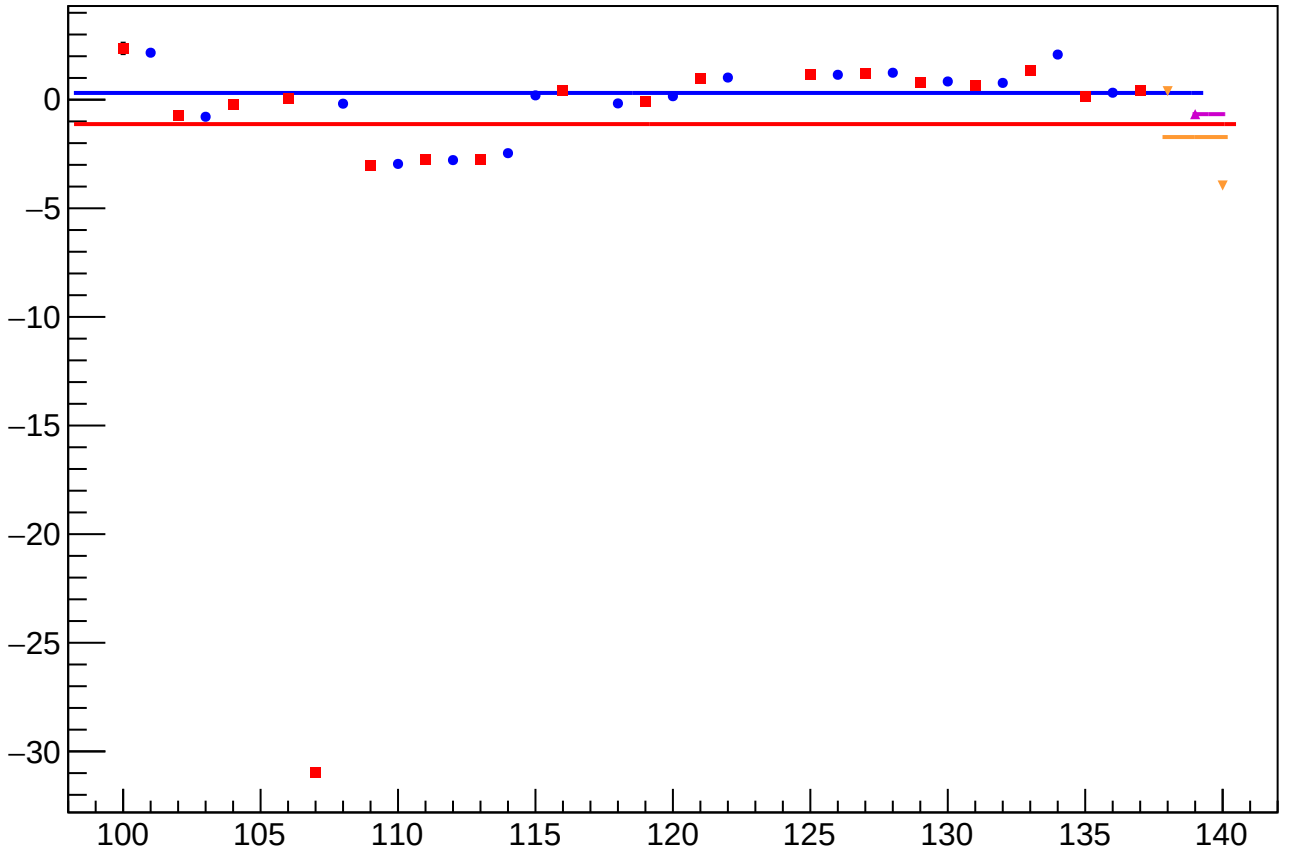
Left: -4.382+/-0.616 χ^2/NDF: 36.4/2

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 1.114+/-0.365 χ^2/NDF:110.8/16

Out: -0.019+/-0.337 χ^2/NDF:161.9/19

All: 0.501+/-0.248 χ^2/NDF: 277.9/36



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.720+/-0.027 χ^2/NDF:6375.5/1

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -0.666+/-0.034 χ^2/NDF:0.0/0

Left: -1.309+/-0.021 χ^2/NDF: 6961.8/2

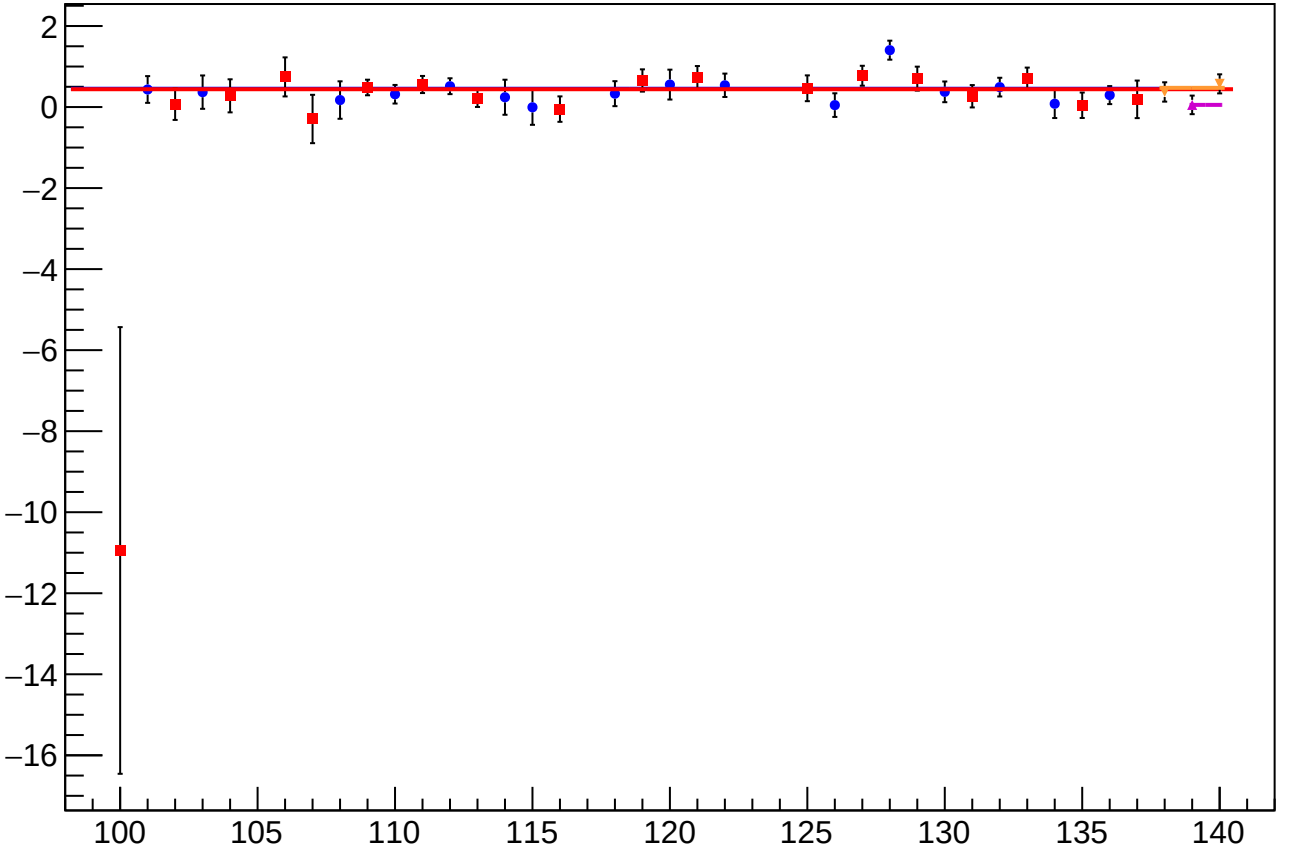
Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: 0.040+/-0.018 χ^2/NDF:5443.8/16

Out: -1.363+/-0.017 χ^2/NDF:53012.1/19

All: -0.690+/-0.012 χ^2/NDF: 61646.3/36

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.474+/-0.168 χ^2/NDF:0.4/1

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.053+/-0.229 χ^2/NDF:0.0/0

Left: 0.327+/-0.135 χ^2/NDF: 2.5/2

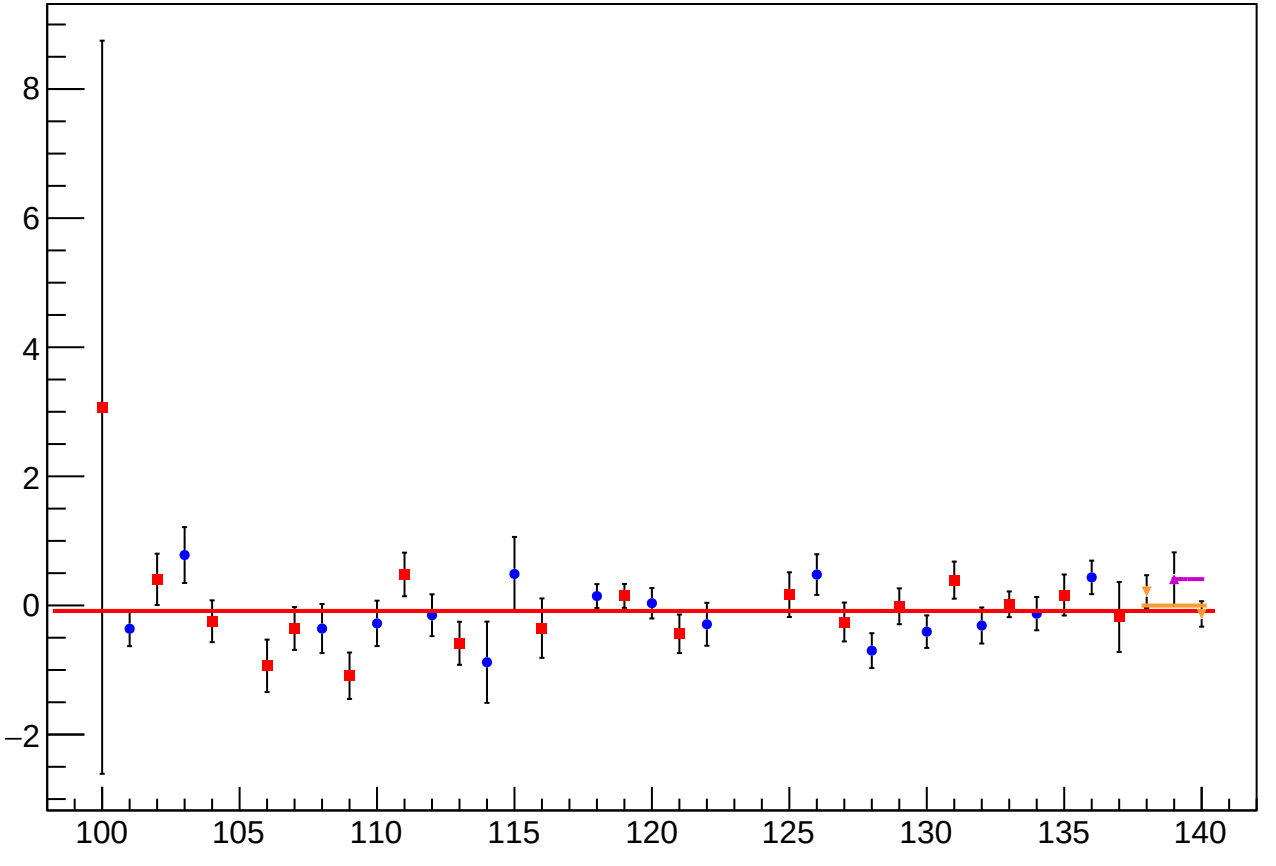
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.417+/-0.068 χ^2/NDF:25.4/16

Out: 0.445+/-0.064 χ^2/NDF:18.9/19

All: 0.432+/-0.047 χ^2/NDF: 44.4/36

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: -0.001+/-0.156 χ^2/NDF:1.2/1

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: 0.408+/-0.414 χ^2/NDF:0.0/0

Left: 0.049+/-0.146 χ^2/NDF: 2.0/2

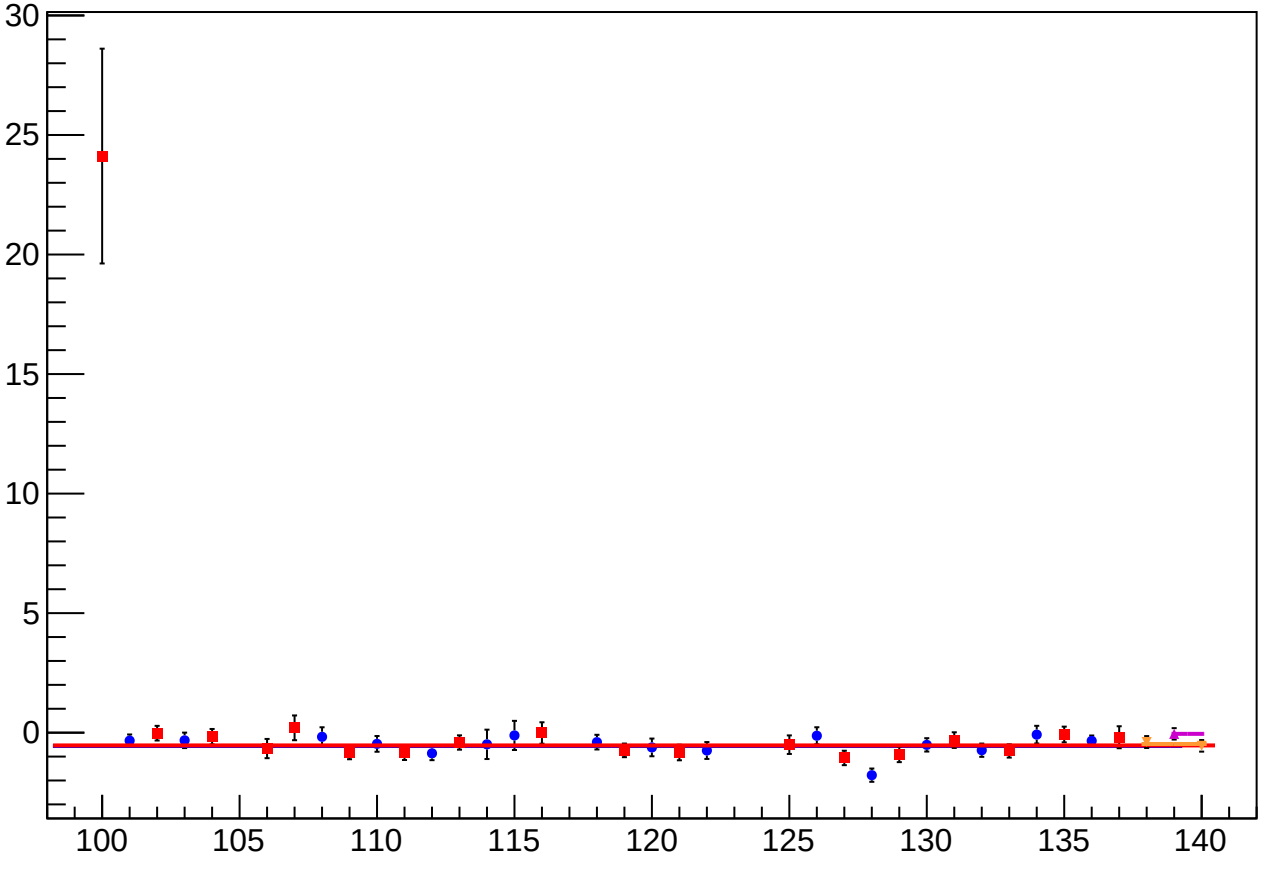
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.071+/-0.072 χ^2/NDF:26.8/16

Out: -0.070+/-0.067 χ^2/NDF:29.3/19

All: -0.071+/-0.049 χ^2/NDF: 56.0/36

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.474+/-0.174 χ^2/NDF:0.2/1

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.050+/-0.239 χ^2/NDF:0.0/0

Left: -0.327+/-0.140 χ^2/NDF: 2.3/2

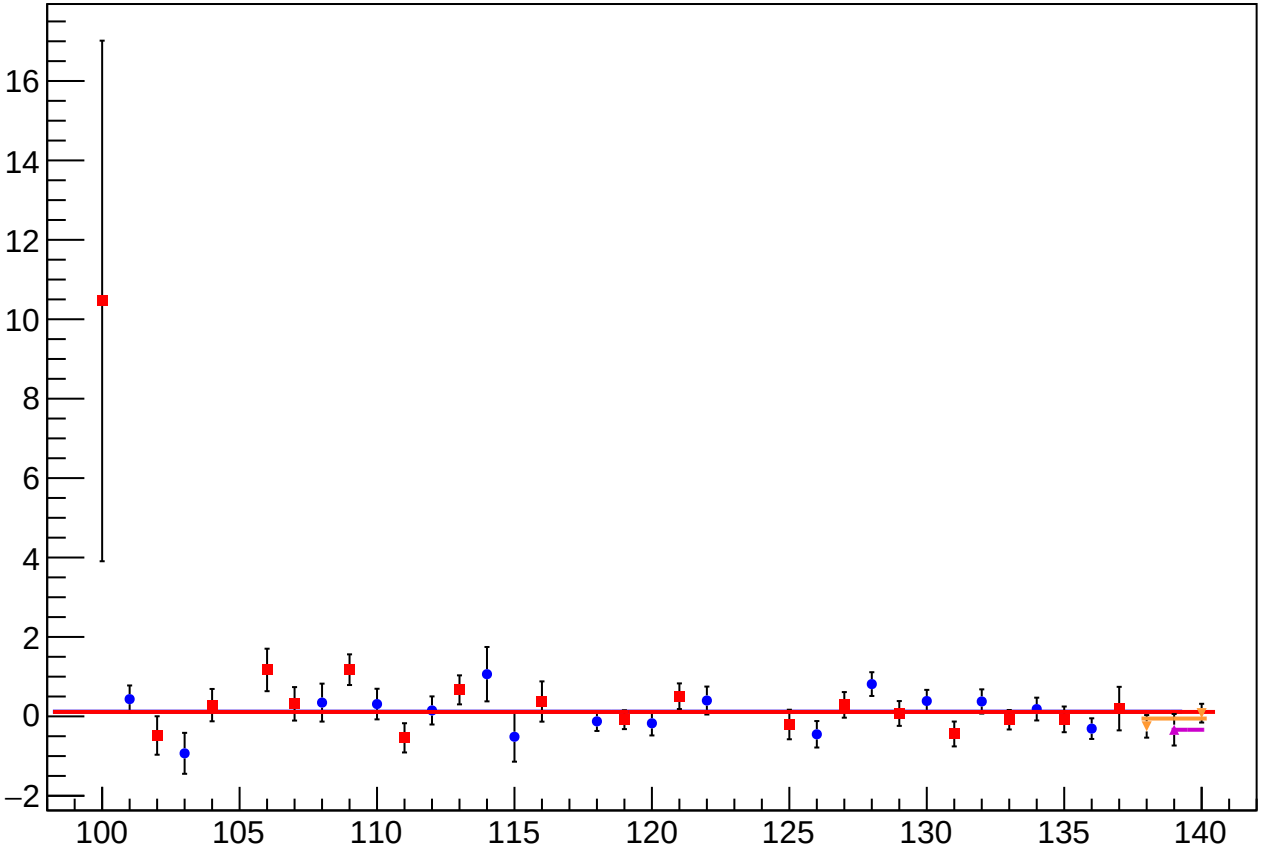
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.507+/-0.076 χ^2/NDF:32.4/16

Out: -0.523+/-0.073 χ^2/NDF:49.5/19

All: -0.515+/-0.053 χ^2/NDF: 81.9/36

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.055+/-0.182 χ^2/NDF:0.8/1

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: -0.337+/-0.397 χ^2/NDF:0.0/0

Left: -0.104+/-0.165 χ^2/NDF: 1.2/2

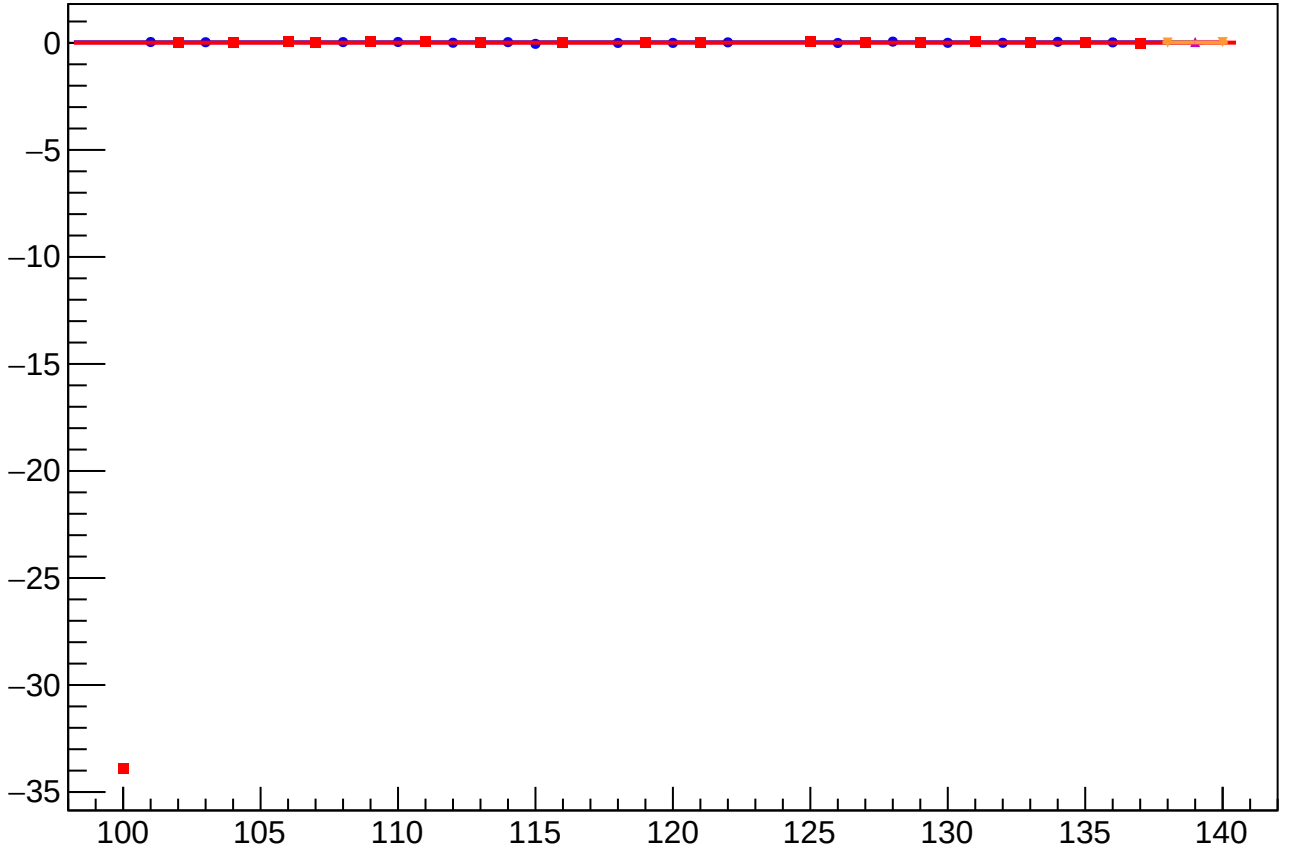
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.098+/-0.082 χ^2/NDF:24.9/16

Out: 0.082+/-0.077 χ^2/NDF:30.5/19

All: 0.089+/-0.056 χ^2/NDF: 55.4/36

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: 0.024+/-0.007 χ^2/NDF:1.9/1

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.043+/-0.009 χ^2/NDF:0.0/0

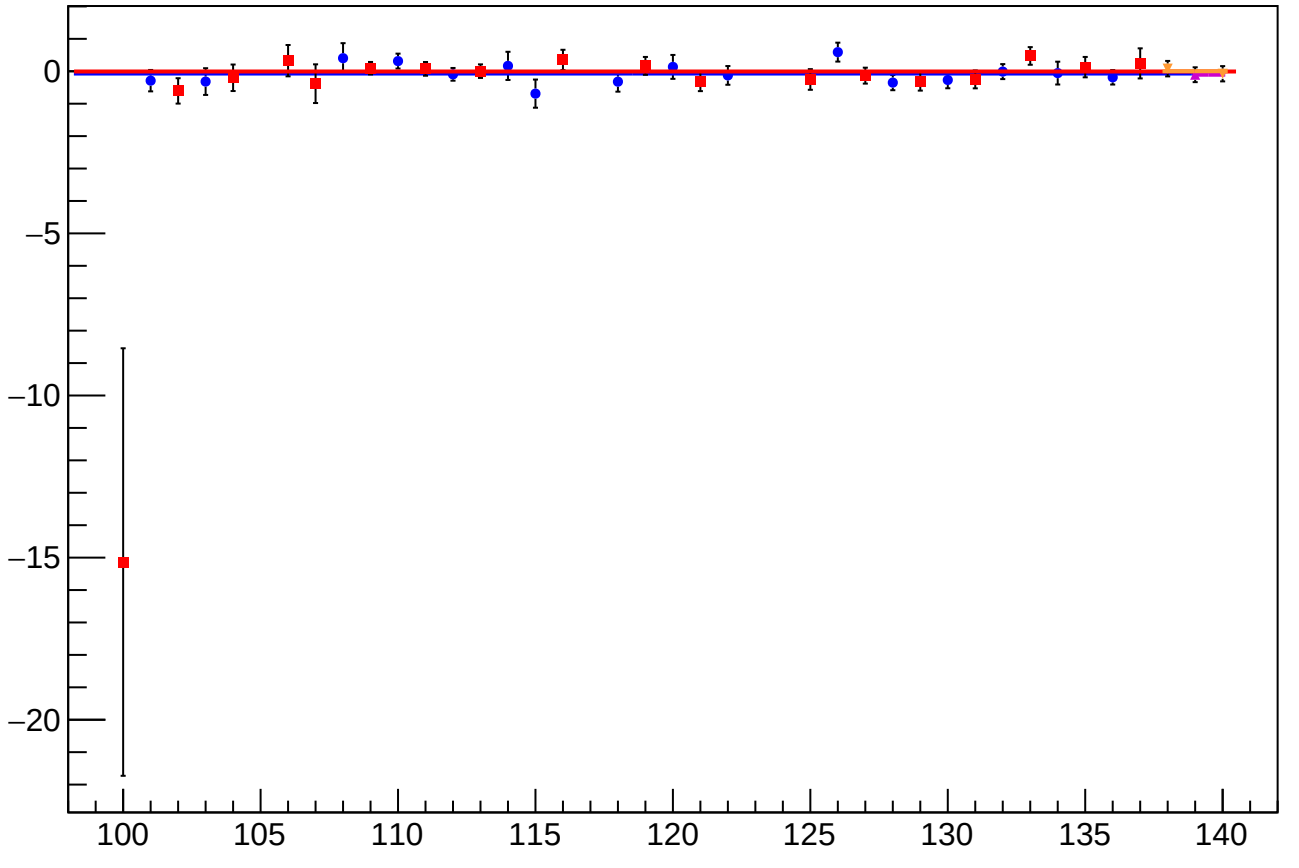
Left: 0.032+/-0.006 χ^2/NDF: 4.6/2

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.031+/-0.004 χ^2/NDF:17.1/16

Out: 0.016+/-0.004 χ^2/NDF:22266.1/19

All: 0.023+/-0.003 χ^2/NDF: 22290.0/36



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.001+/-0.168 χ^2/NDF:0.2/1

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: -0.106+/-0.229 χ^2/NDF:0.0/0

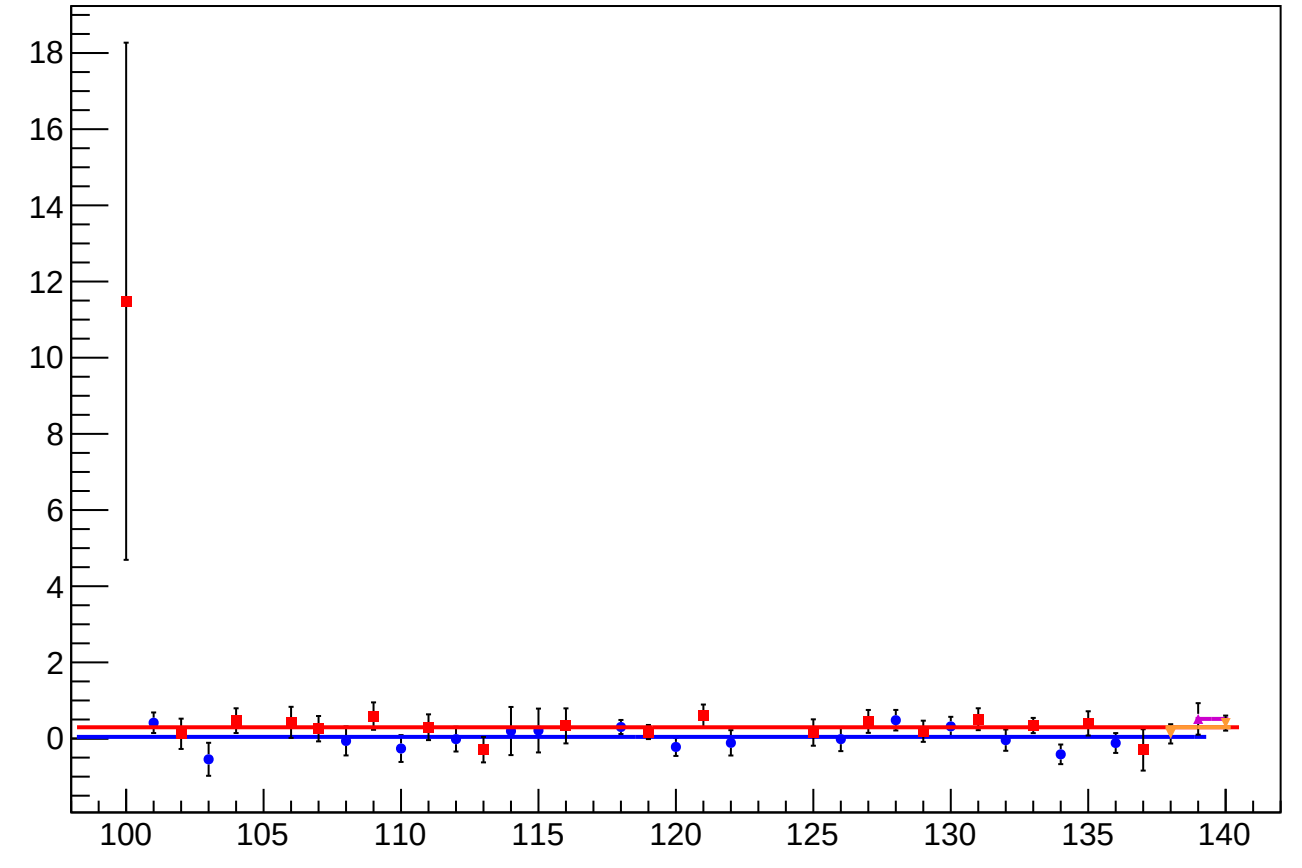
Left: -0.036+/-0.135 χ^2/NDF: 0.4/2

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: -0.073+/-0.068 χ^2/NDF:15.5/16

Out: -0.006+/-0.064 χ^2/NDF:18.4/19

All: -0.038+/-0.047 χ^2/NDF: 34.4/36



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.299+/-0.156 χ^2/NDF:0.8/1

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.516+/-0.414 χ^2/NDF:0.0/0

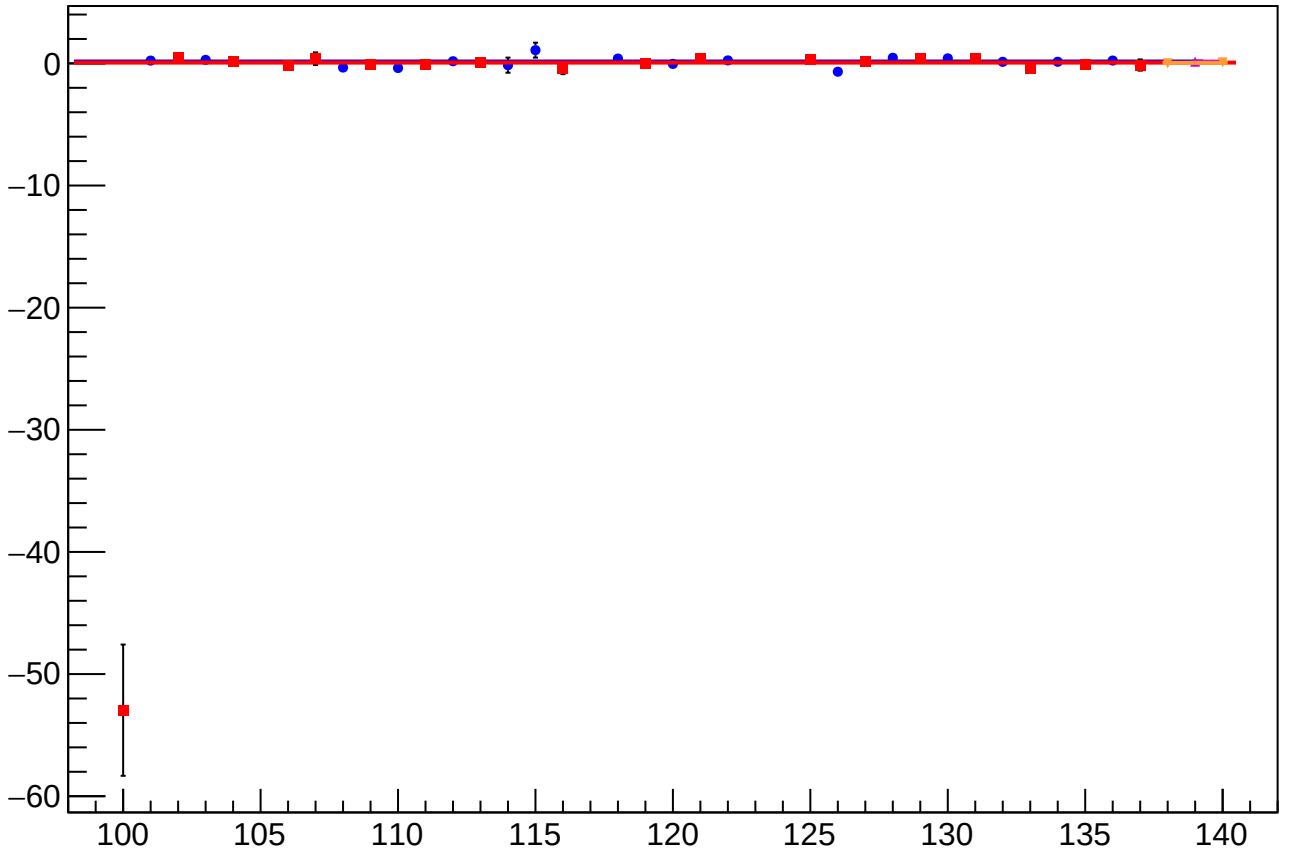
Left: 0.326+/-0.146 χ^2/NDF: 1.0/2

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.058+/-0.072 χ^2/NDF:17.0/16

Out: 0.297+/-0.067 χ^2/NDF:11.8/19

All: 0.187+/-0.049 χ^2/NDF: 34.7/36



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: 0.041+/-0.174 χ^2/NDF:0.0/1

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: 0.143+/-0.238 χ^2/NDF:0.0/0

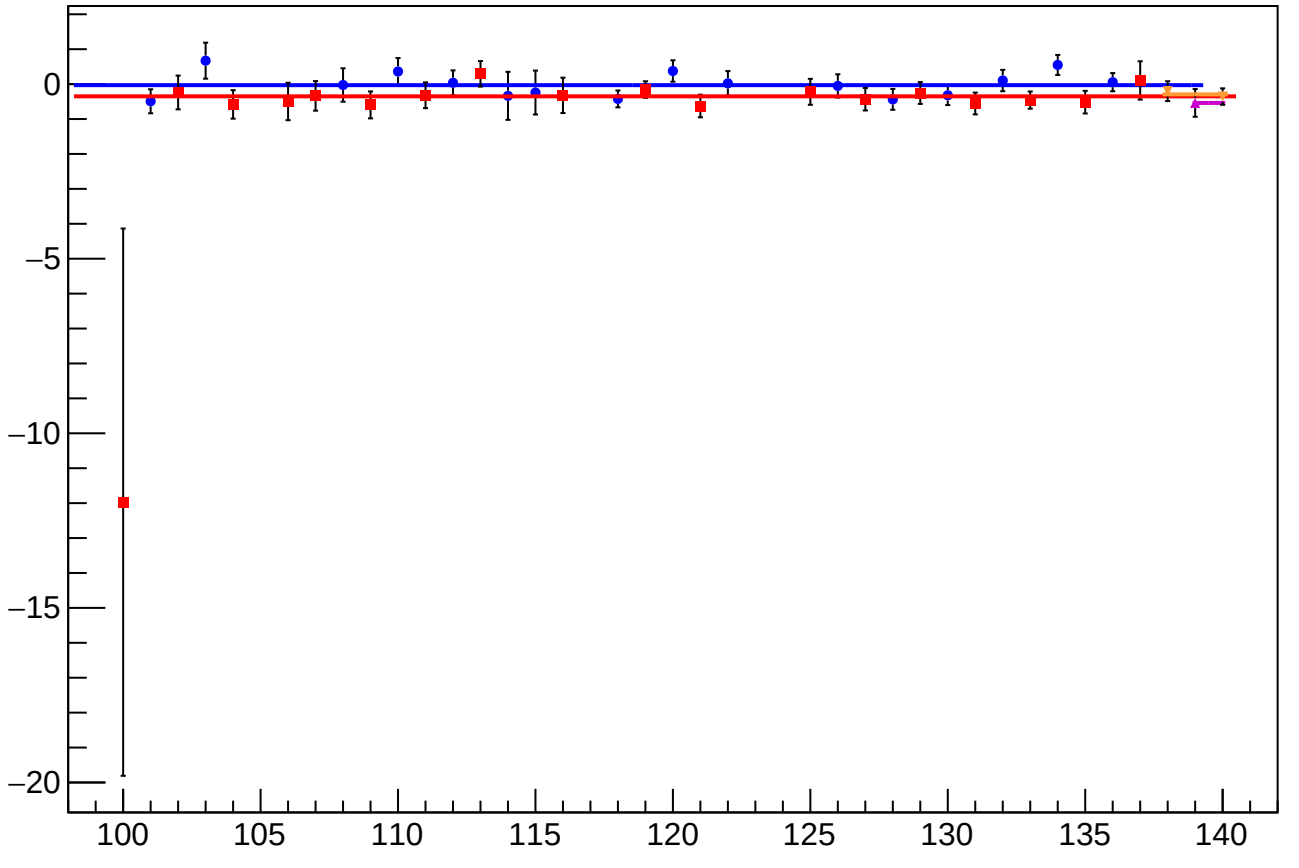
Left: 0.077+/-0.140 χ^2/NDF: 0.2/2

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.153+/-0.076 χ^2/NDF:15.6/16

Out: 0.061+/-0.073 χ^2/NDF:109.4/19

All: 0.105+/-0.053 χ^2/NDF: 125.7/36



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.294+/-0.182 χ^2/NDF:0.2/1

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.539+/-0.397 χ^2/NDF:0.0/0

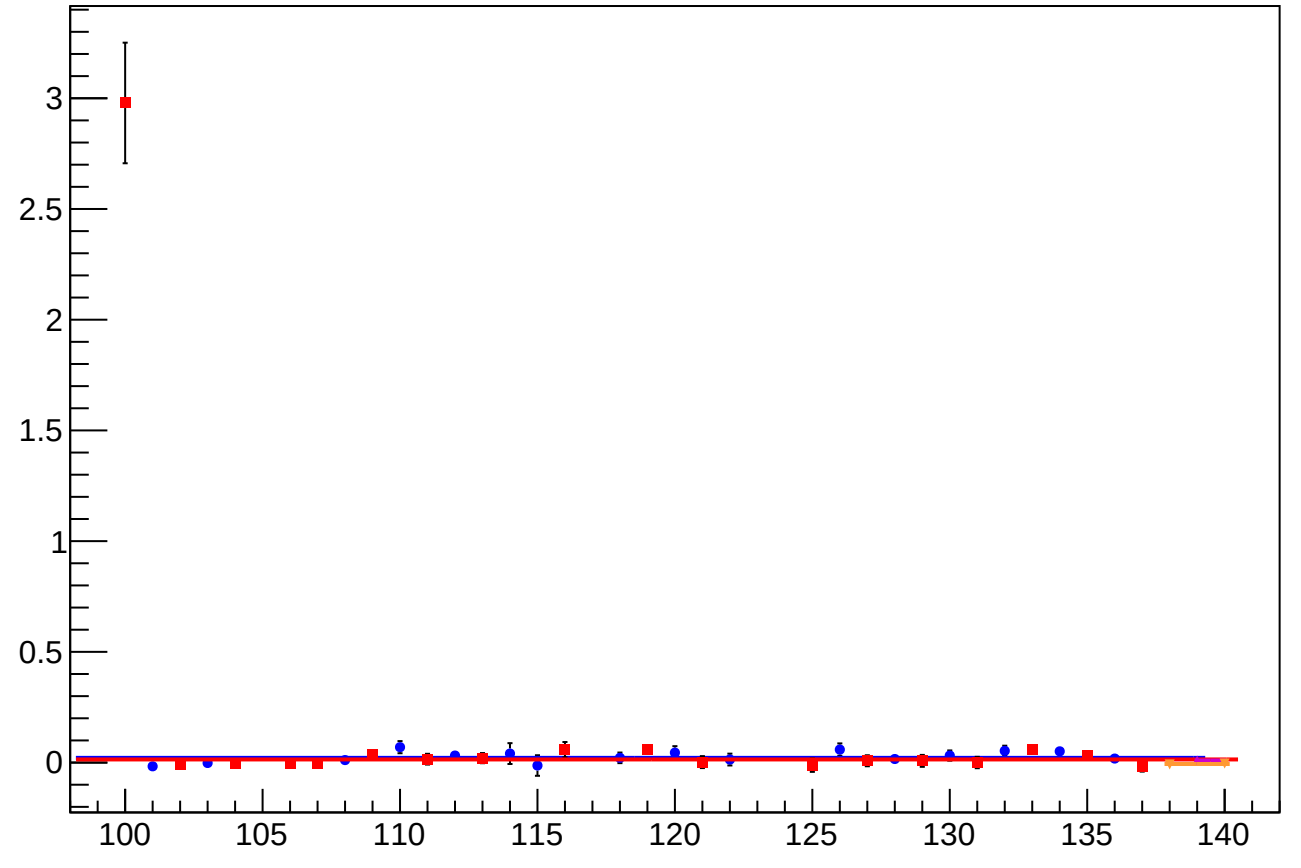
Left: -0.336+/-0.165 χ^2/NDF: 0.5/2

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.052+/-0.082 χ^2/NDF:18.3/16

Out: -0.340+/-0.077 χ^2/NDF:9.7/19

All: -0.205+/-0.056 χ^2/NDF: 34.6/36



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.006+/-0.007 χ^2/NDF:0.1/1

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.009+/-0.009 χ^2/NDF:0.0/0

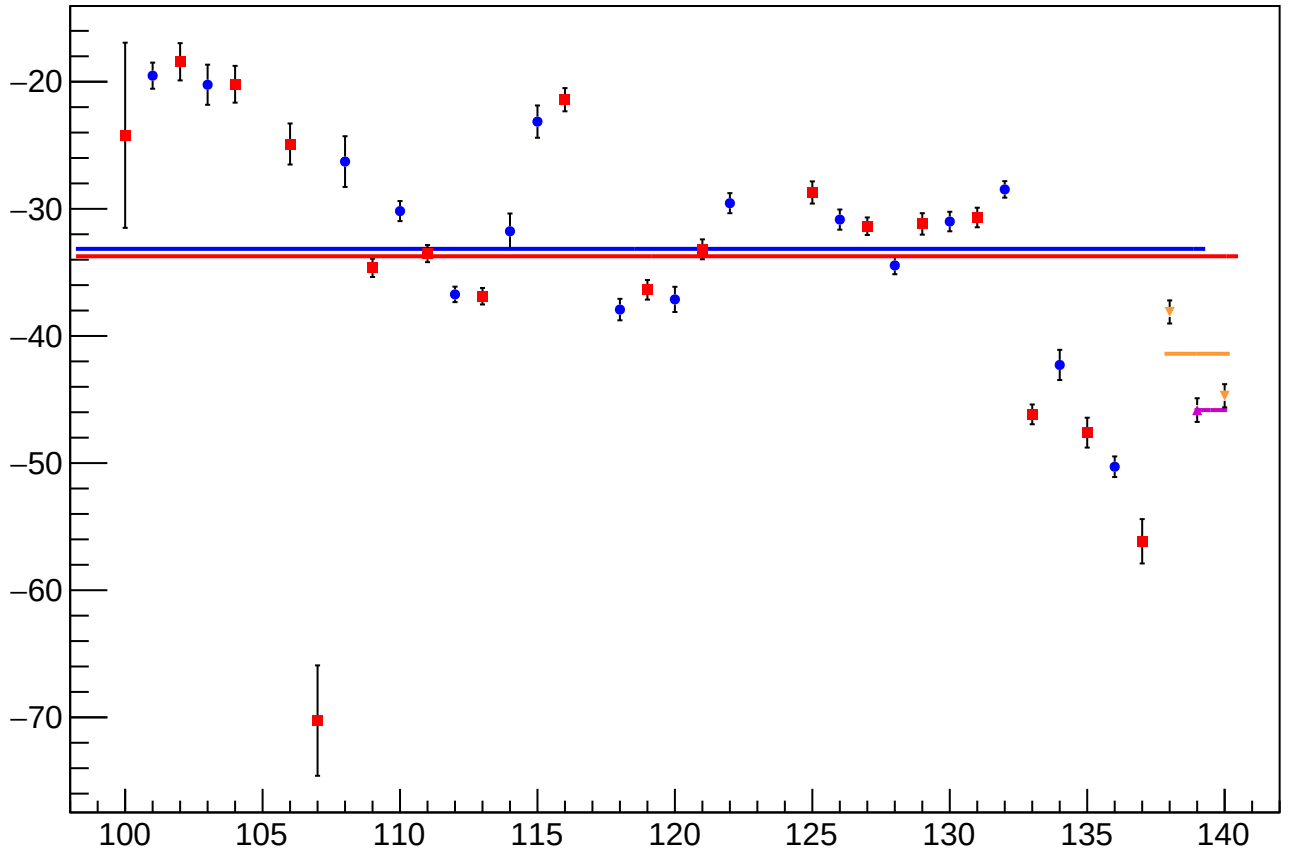
Left: 0.000+/-0.006 χ^2/NDF: 2.0/2

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.018+/-0.004 χ^2/NDF:24.0/16

Out: 0.008+/-0.004 χ^2/NDF:146.5/19

All: 0.013+/-0.003 χ^2/NDF: 174.0/36



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -41.401+/-0.644 χ^2/NDF:26.2/1

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -45.830+/-0.931 χ^2/NDF:0.0/0

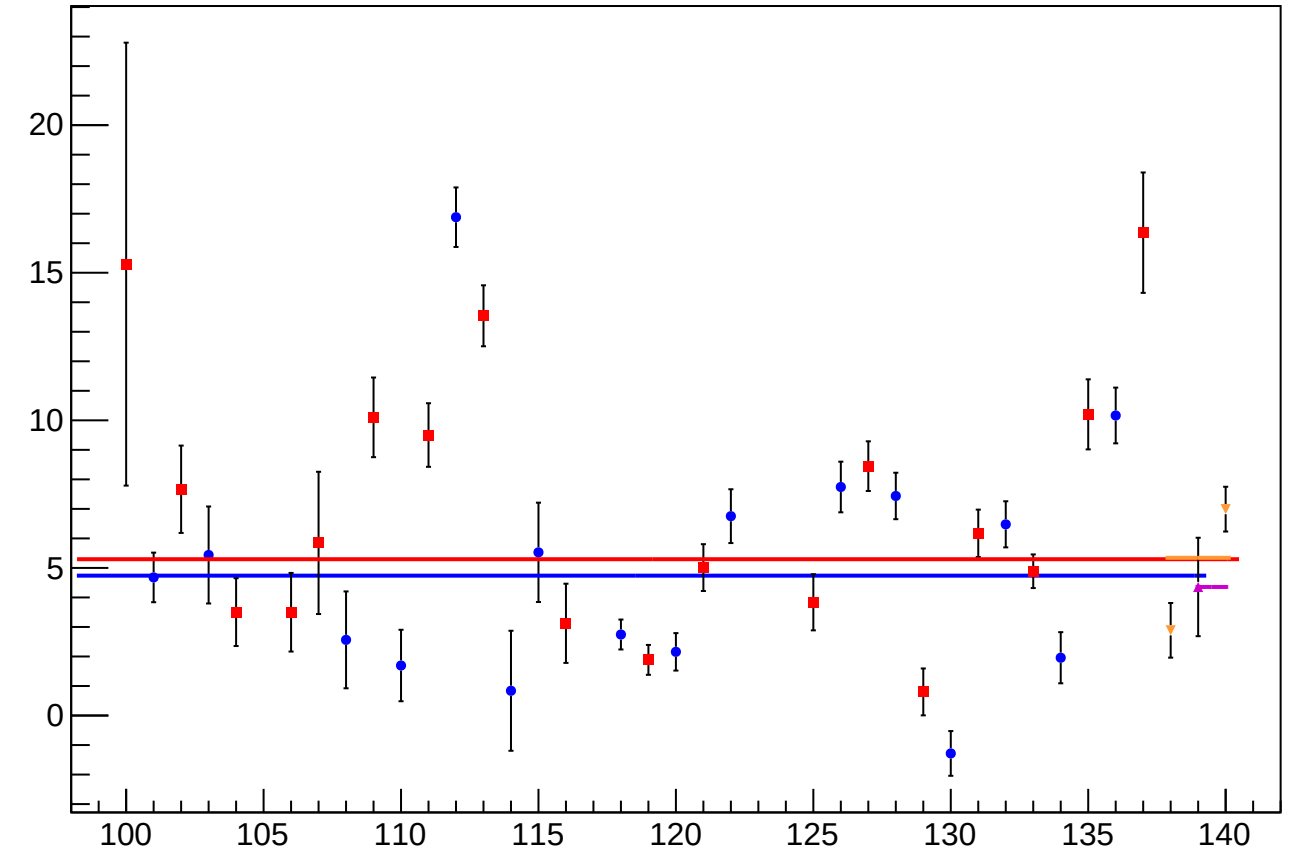
Left: -42.833+/-0.530 χ^2/NDF: 41.5/2

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -33.807+/-0.212 χ^2/NDF:1189.7/16

Out: -34.499+/-0.204 χ^2/NDF:1302.4/19

All: -34.167+/-0.147 χ^2/NDF: 2497.6/36



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 5.343+/-0.587 χ^2/NDF:11.8/1

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 4.355+/-1.667 χ^2/NDF:0.0/0

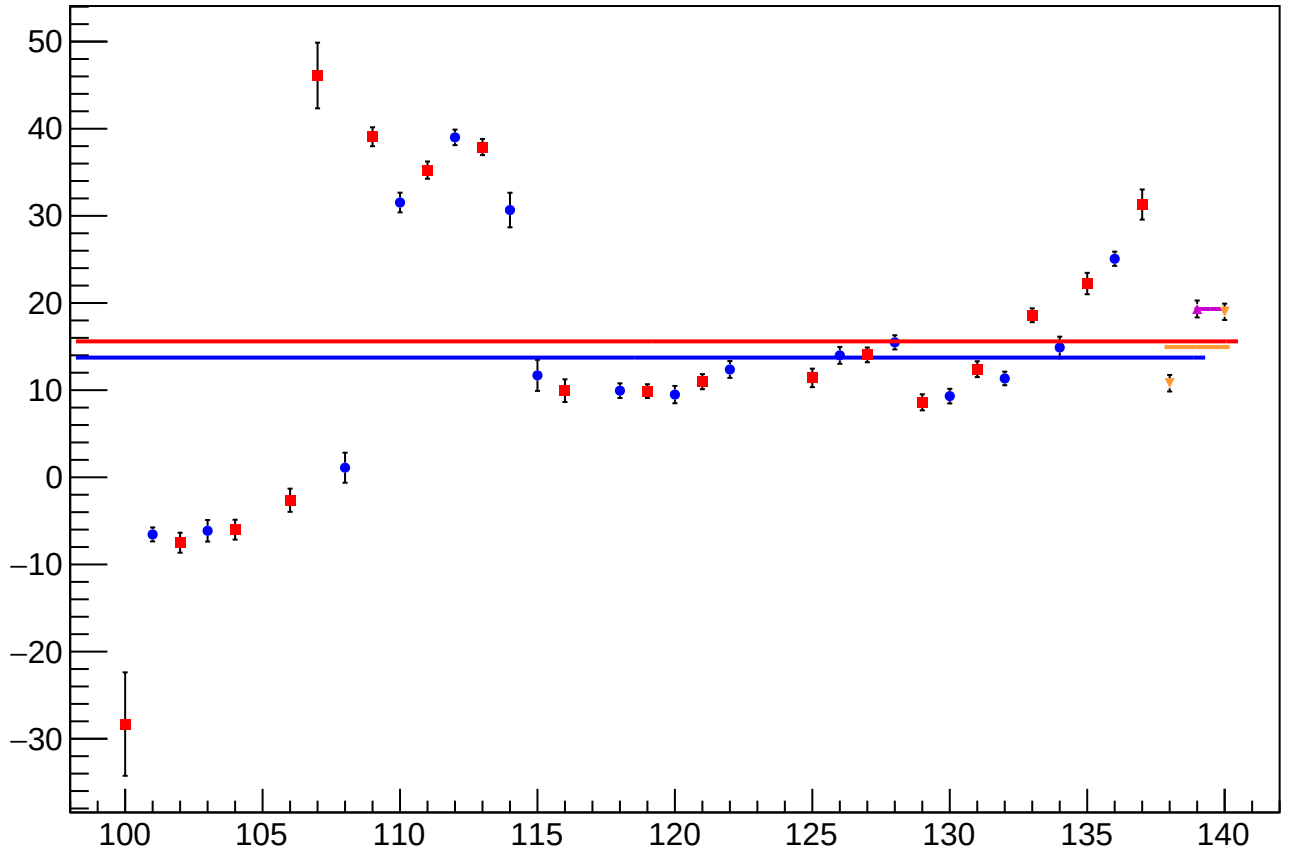
Left: 5.234+/-0.553 χ^2/NDF: 12.1/2

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 4.732+/-0.217 χ^2/NDF:329.6/16

Out: 5.301+/-0.209 χ^2/NDF:256.8/19

All: 5.028+/-0.151 χ^2/NDF: 590.0/36



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 14.947+/-0.667 χ^2/NDF:37.8/1

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 19.316+/-0.972 χ^2/NDF:0.0/0

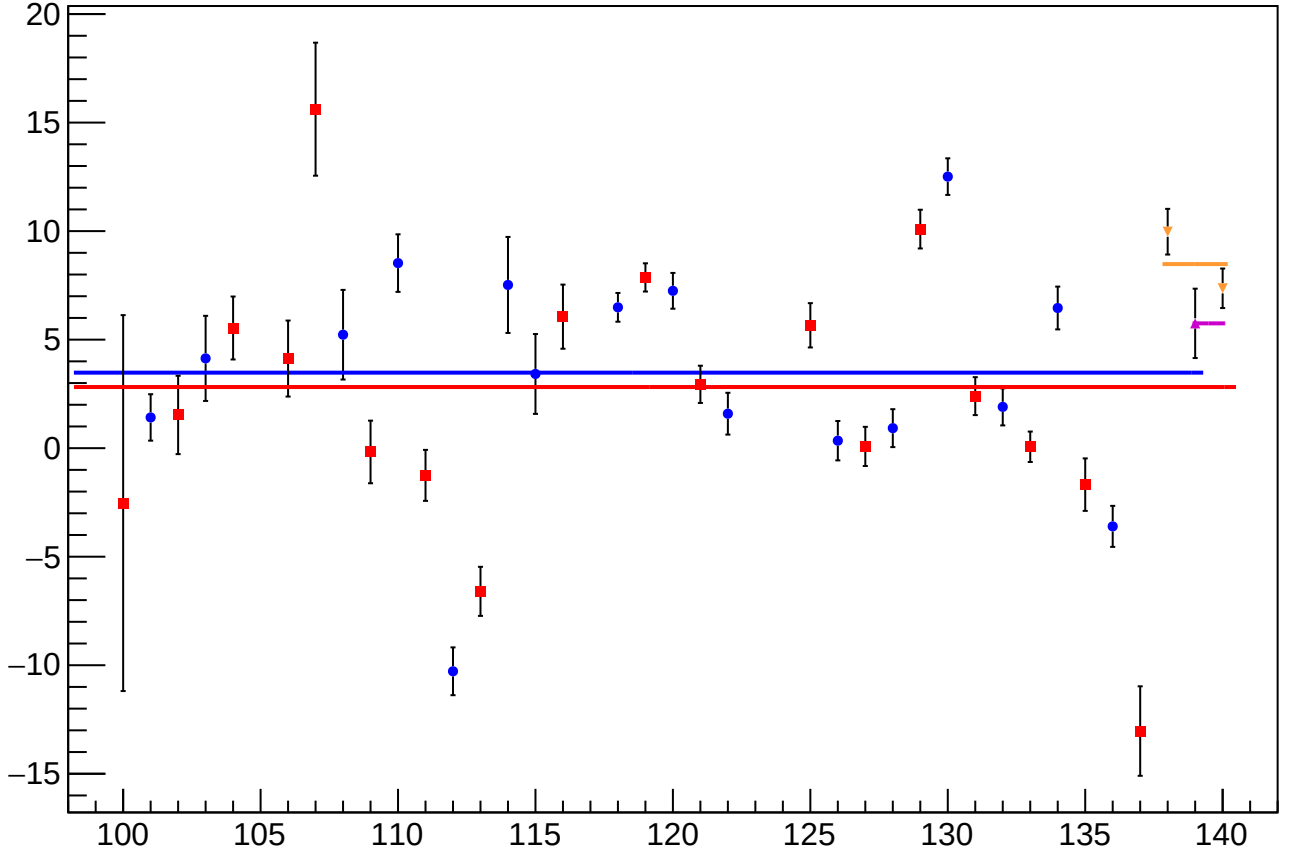
Left: 16.346+/-0.550 χ^2/NDF: 51.5/2

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 14.076+/-0.239 χ^2/NDF:2380.8/16

Out: 15.519+/-0.234 χ^2/NDF:2864.9/19

All: 14.812+/-0.167 χ^2/NDF: 5264.3/36



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.481+/-0.688 χ^2/NDF:3.5/1

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 5.750+/-1.598 χ^2/NDF:0.0/0

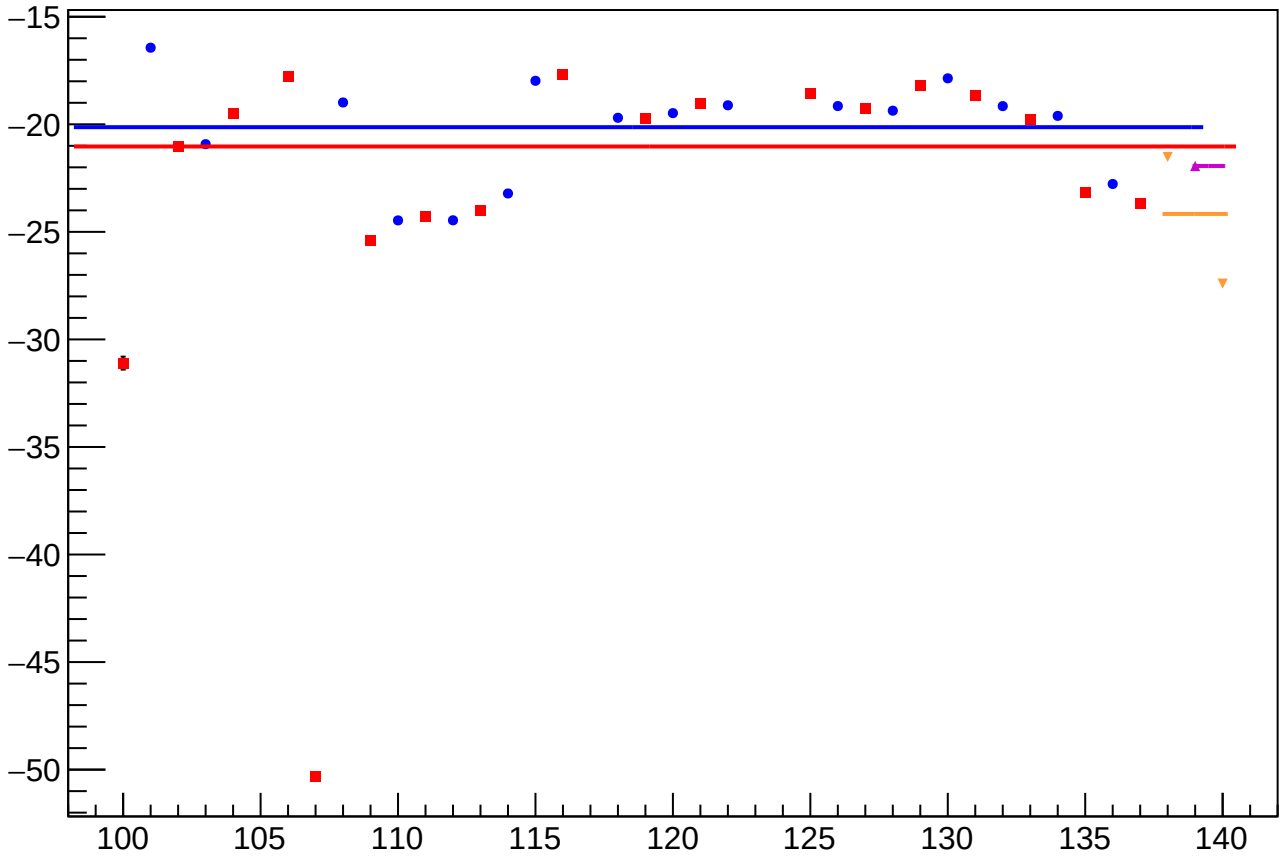
Left: 8.054+/-0.632 χ^2/NDF: 6.0/2

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 3.535+/-0.251 χ^2/NDF:429.6/16

Out: 3.511+/-0.241 χ^2/NDF:408.2/19

All: 3.522+/-0.174 χ^2/NDF: 837.8/36



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -24.166+/-0.028 χ^2/NDF:10945.8/1

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -21.937+/-0.034 χ^2/NDF:0.0/0

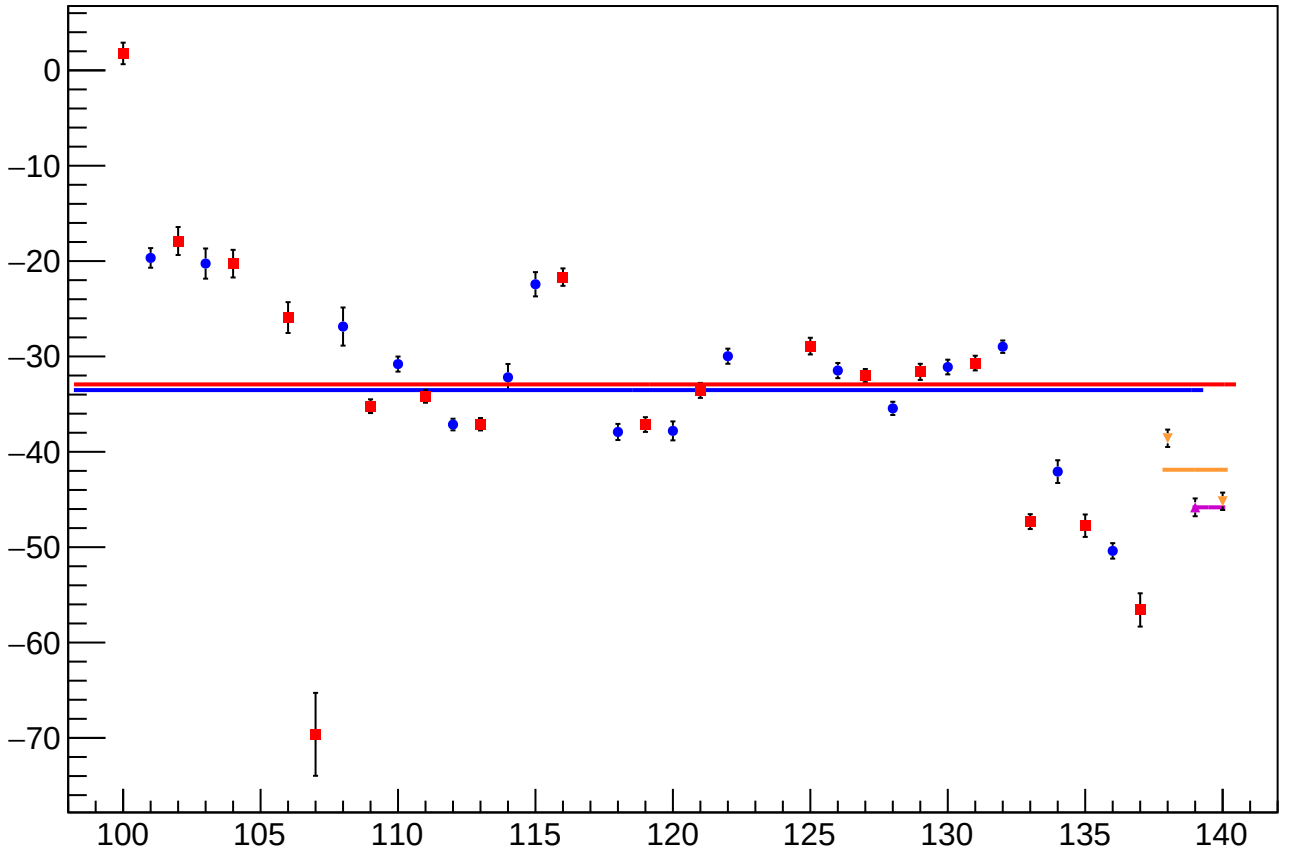
Left: -23.279+/-0.022 χ^2/NDF: 13470.0/2

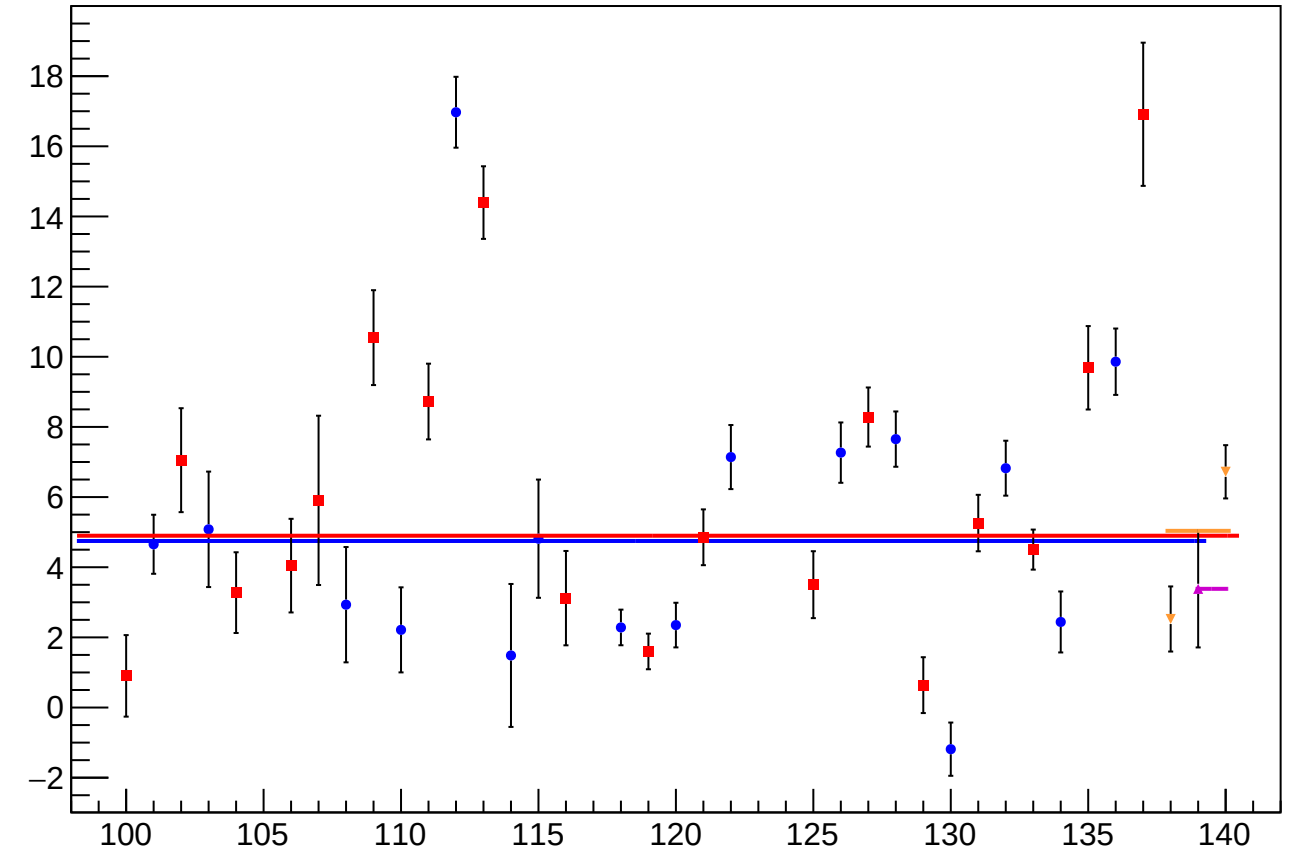
Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.454+/-0.015 χ^2/NDF:22086.5/16

Out: -21.836+/-0.014 χ^2/NDF:77794.3/19

All: -21.161+/-0.010 χ^2/NDF: 104514.6/36


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
105
110
115
120
125
130
135
140
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -41.880+/-0.645 χ²/NDF:26.3/1
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -45.820+/-0.933 χ²/NDF:0.0/0
Left: -43.153+/-0.531 χ²/NDF: 38.3/2
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -34.167+/-0.213 χ²/NDF:1173.1/16
Out: -33.801+/-0.201 χ²/NDF:2370.2/19
All: -33.973+/-0.146 χ²/NDF: 3544.9/36



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 5.037+/-0.588 χ^2/NDF:12.2/1

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 3.384+/-1.671 χ^2/NDF:0.0/0

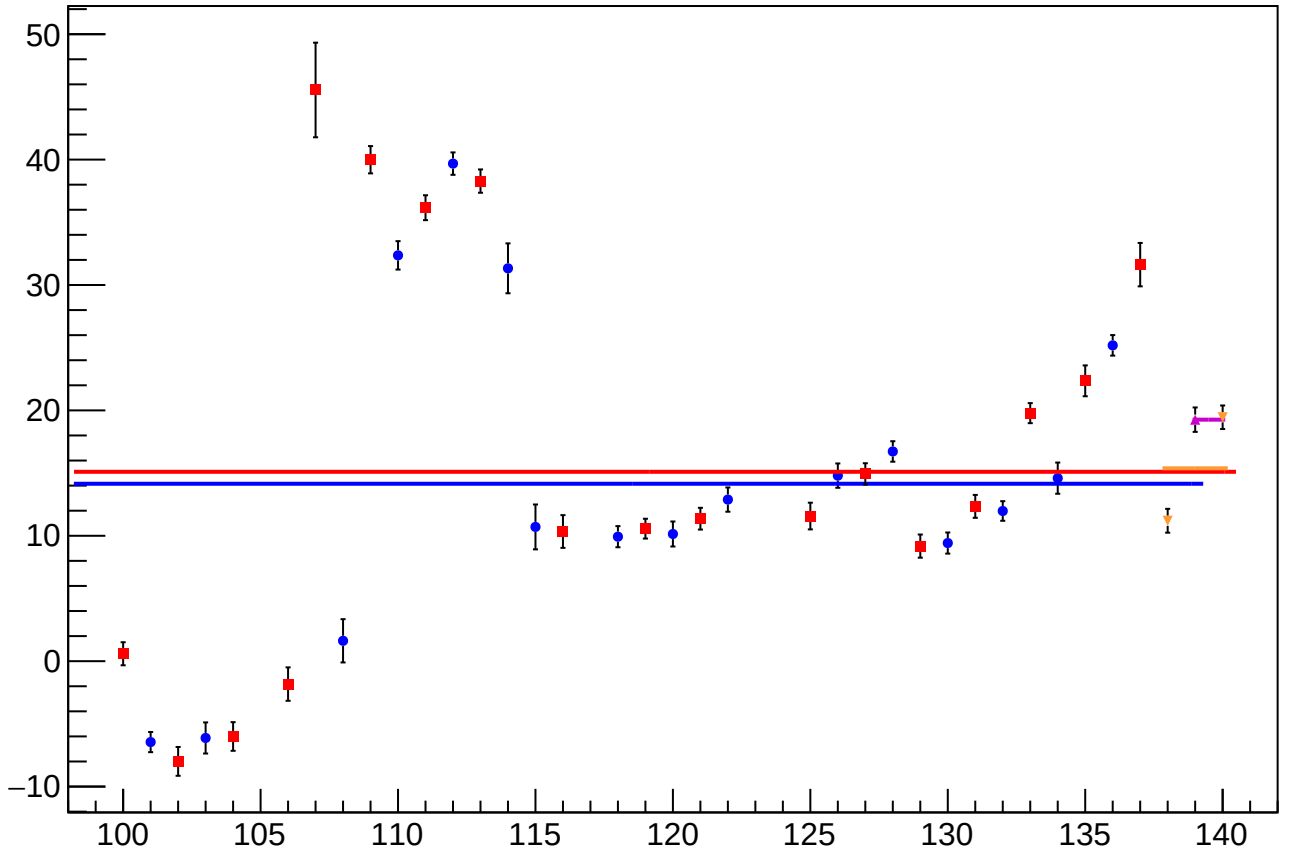
Left: 4.855+/-0.554 χ^2/NDF: 13.1/2

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 4.725+/-0.218 χ^2/NDF:326.4/16

Out: 4.915+/-0.206 χ^2/NDF:285.4/19

All: 4.826+/-0.150 χ^2/NDF: 612.1/36



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 15.380+/-0.668 χ^2/NDF:38.2/1

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 19.260+/-0.974 χ^2/NDF:0.0/0

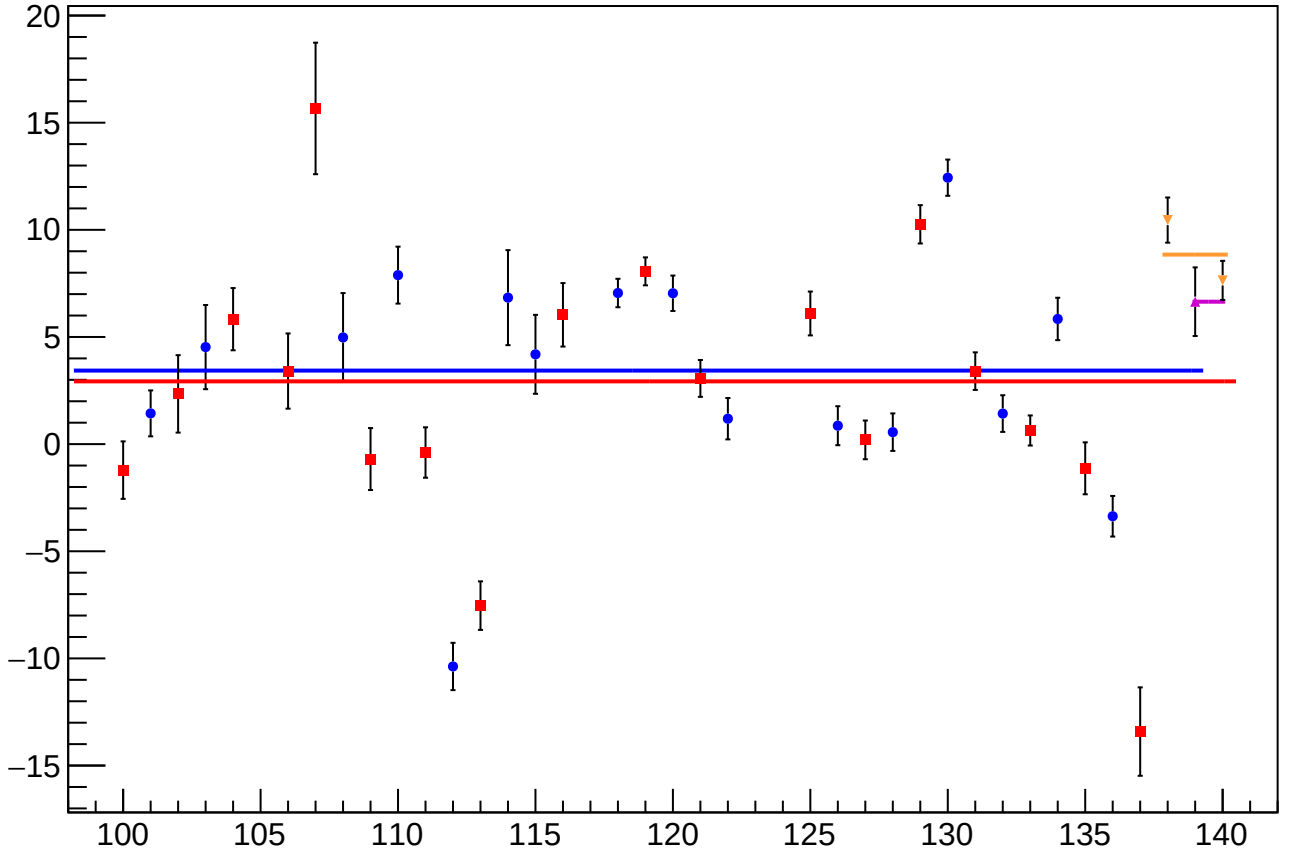
Left: 16.621+/-0.551 χ^2/NDF: 49.0/2

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 14.459+/-0.240 χ^2/NDF:2428.2/16

Out: 15.135+/-0.228 χ^2/NDF:3140.6/19

All: 14.814+/-0.165 χ^2/NDF: 5573.0/36



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 8.844+/-0.690 χ^2/NDF:4.1/1

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 6.646+/-1.601 χ^2/NDF:0.0/0

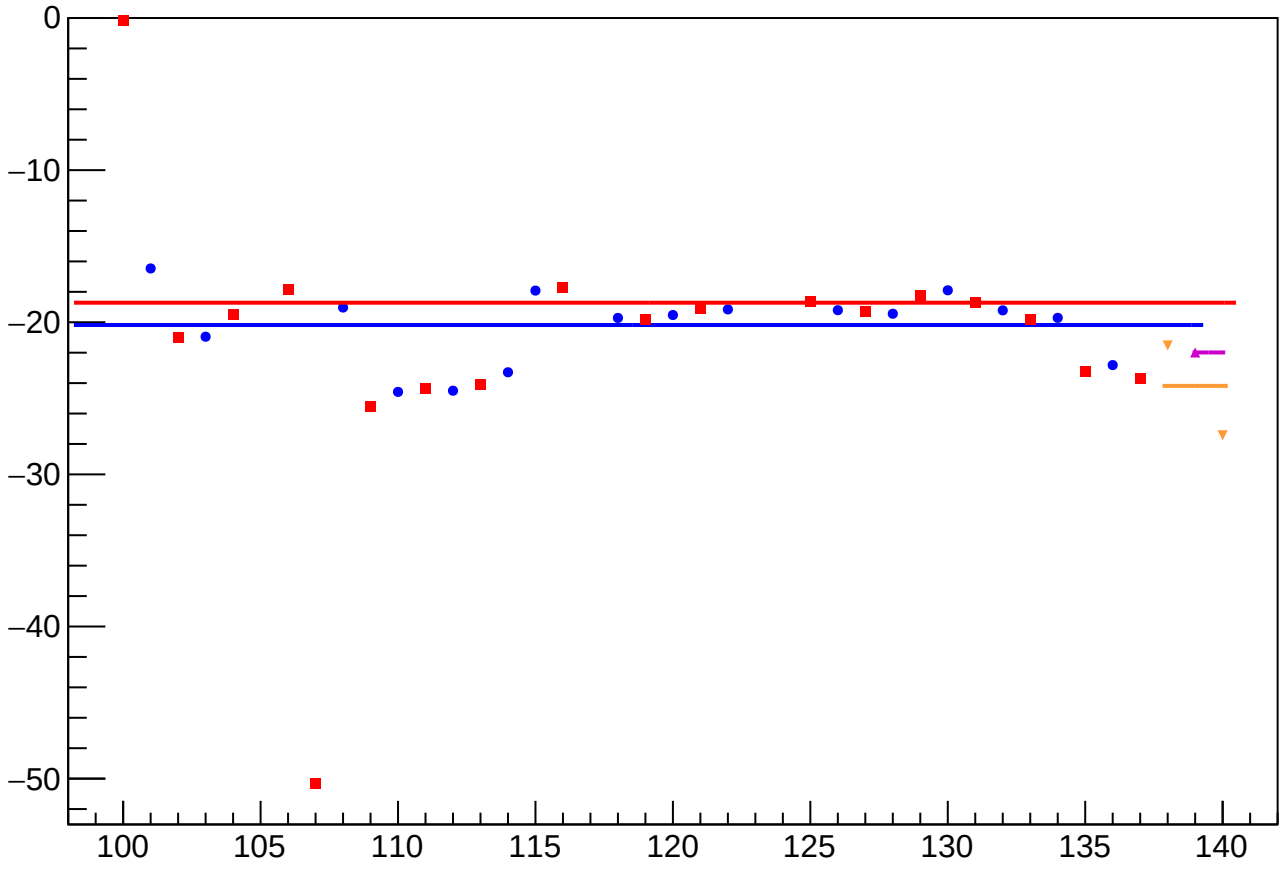
Left: 8.500+/-0.633 χ^2/NDF: 5.7/2

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 3.511+/-0.251 χ^2/NDF:427.9/16

Out: 3.632+/-0.238 χ^2/NDF:436.6/19

All: 3.575+/-0.173 χ^2/NDF: 864.7/36



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -24.183+/-0.028 χ^2/NDF:10976.2/1

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -21.985+/-0.035 χ^2/NDF:0.0/0

Left: -23.309+/-0.022 χ^2/NDF: 13417.5/2

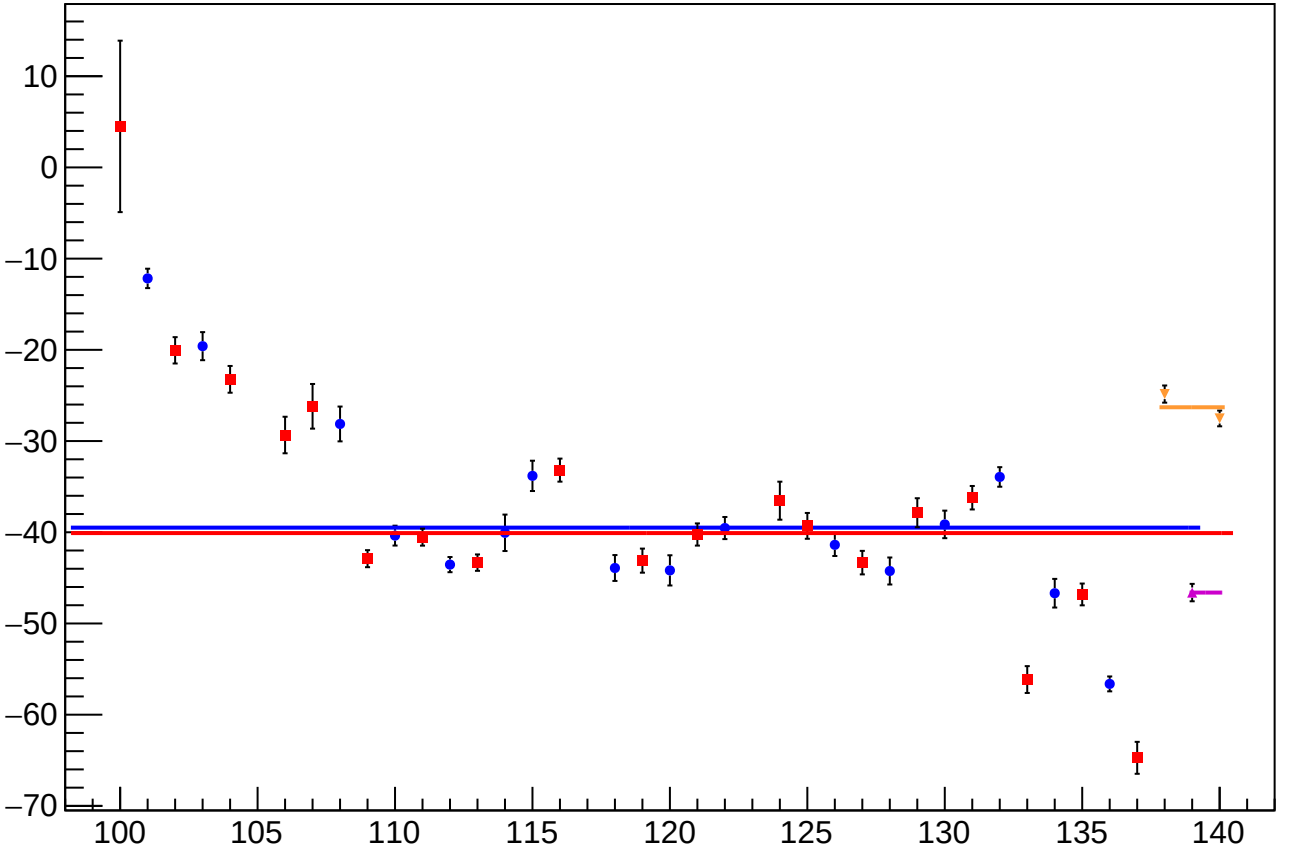
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.501+/-0.015 χ^2/NDF:22105.8/16

Out: -20.002+/-0.014 χ^2/NDF:274713.7/19

All: -20.235+/-0.010 χ^2/NDF: 297447.4/36

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: -26.297+/-0.637 χ^2/NDF:4.4/1

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -46.613+/-0.955 χ^2/NDF:0.0/0

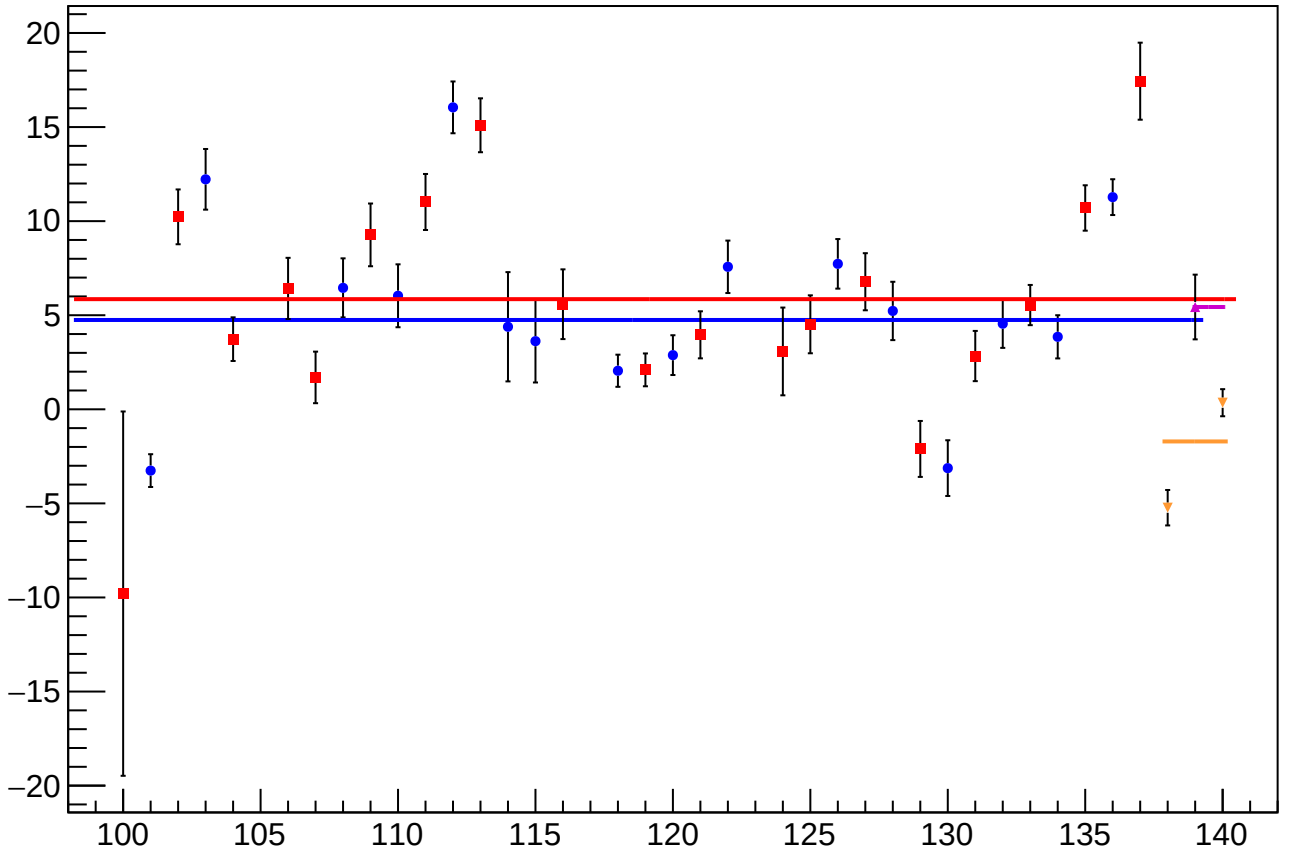
Left: -32.546+/-0.530 χ^2/NDF: 317.7/2

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -40.174+/-0.295 χ^2/NDF:1467.3/16

Out: -37.485+/-0.277 χ^2/NDF:1220.2/20

All: -38.741+/-0.202 χ^2/NDF: 2731.7/37



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: -1.708+/-0.572 χ^2/NDF:22.1/1

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 5.437+/-1.720 χ^2/NDF:0.0/0

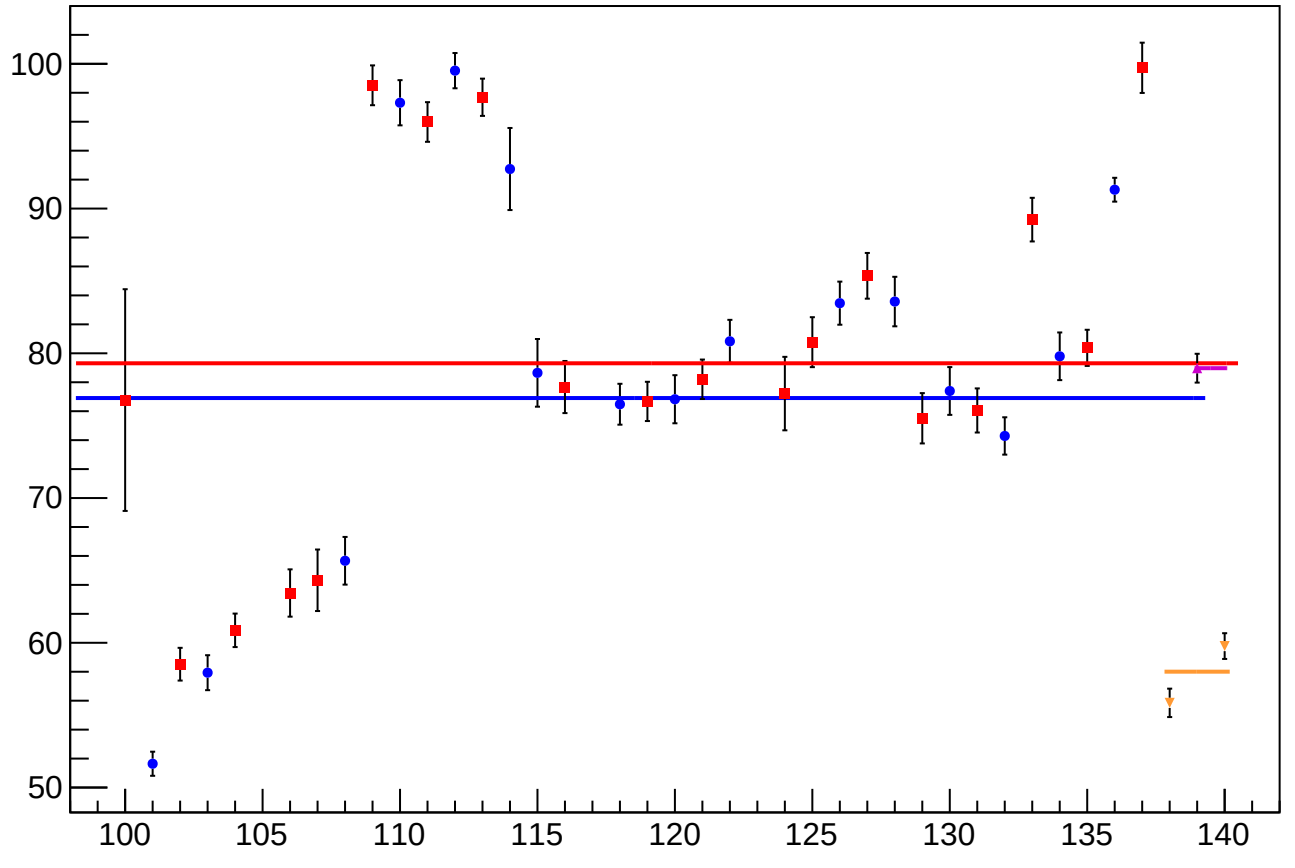
Left: -0.996+/-0.543 χ^2/NDF: 37.7/2

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 4.770+/-0.311 χ^2/NDF:274.0/16

Out: 4.019+/-0.282 χ^2/NDF:342.1/20

All: 4.358+/-0.209 χ^2/NDF: 619.3/37



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 58.004+/-0.659 χ^2/NDF:8.8/1

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 78.971+/-0.995 χ^2/NDF:0.0/0

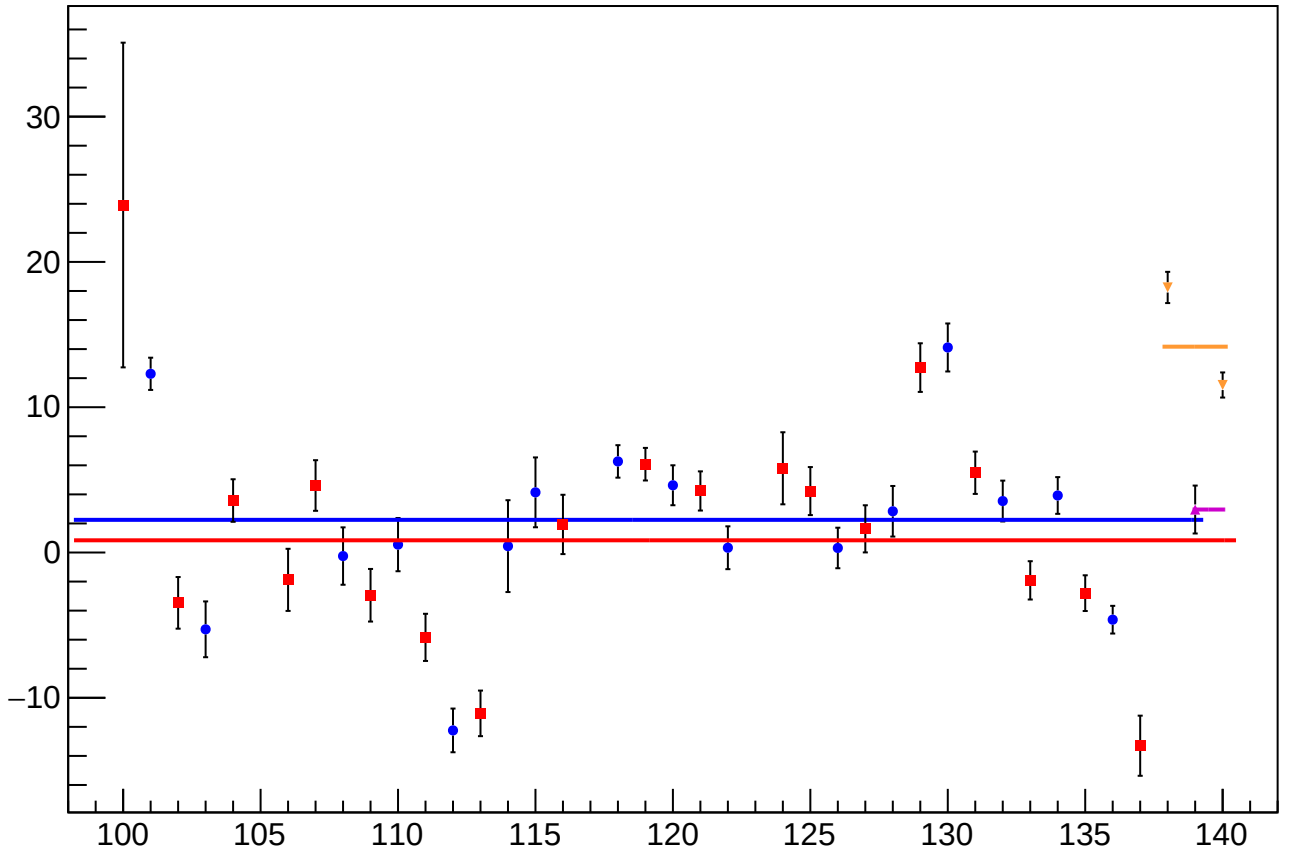
Left: 64.392+/-0.549 χ^2/NDF: 317.2/2

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 77.121+/-0.319 χ^2/NDF:2119.8/16

Out: 74.667+/-0.308 χ^2/NDF:2322.8/20

All: 75.849+/-0.221 χ^2/NDF: 4473.3/37



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 14.167+/-0.674 χ^2/NDF:23.7/1

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 2.958+/-1.649 χ^2/NDF:0.0/0

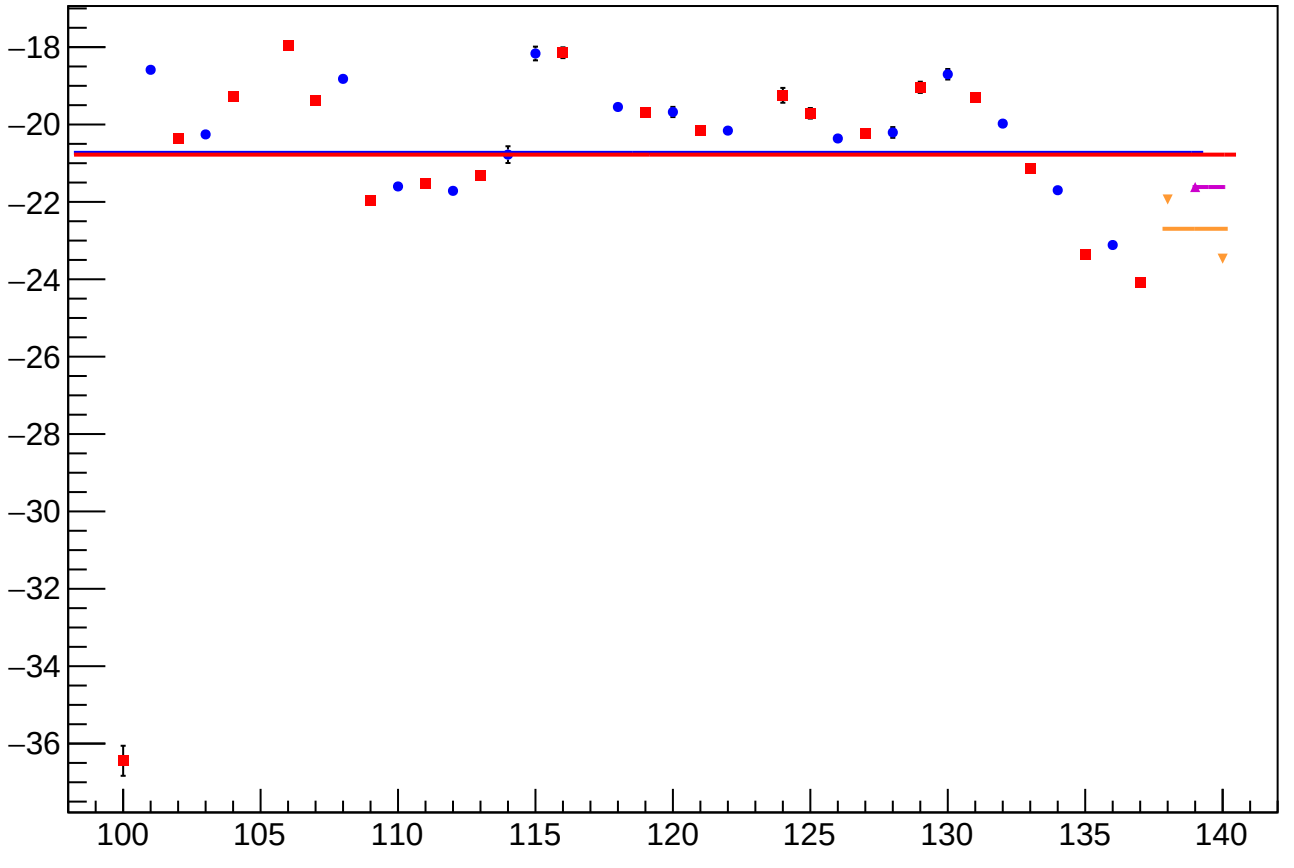
Left: 12.563+/-0.624 χ^2/NDF: 63.3/2

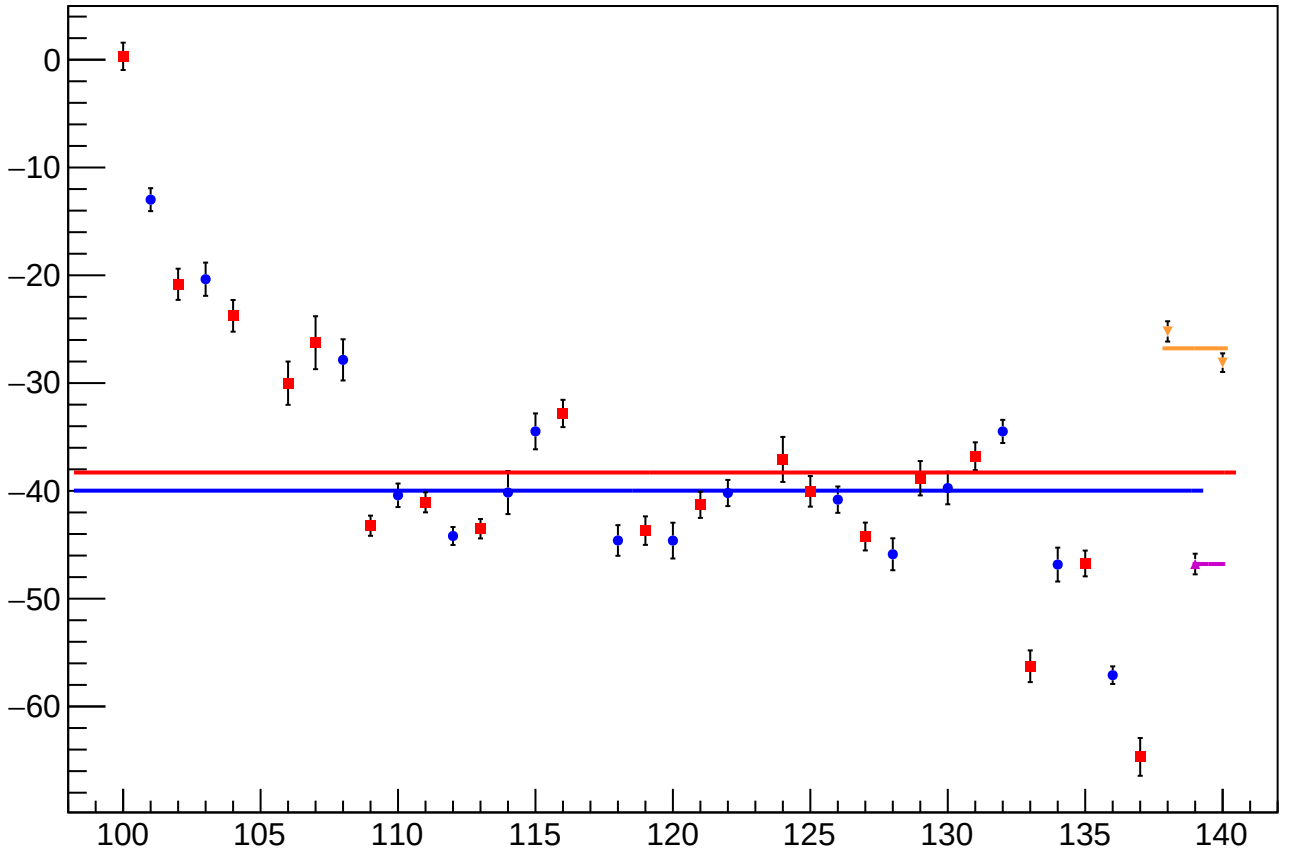
Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 2.281+/-0.355 χ^2/NDF:319.8/16

Out: 3.955+/-0.326 χ^2/NDF:579.7/20

All: 3.189+/-0.240 χ^2/NDF: 911.6/37


reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−18
−20
−22
−24
−26
−28
−30
−32
−34
−36
100
105
110
115
120
125
130
135
140
Right In: -20.732+/-0.019 χ²/NDF: 7634.1/15
Left Out: -22.695+/-0.028 χ²/NDF:753.5/1
Right Out: -20.778+/-0.020 χ²/NDF: 9426.6/18
Left In: -21.616+/-0.036 χ²/NDF:0.0/0
Left: -22.284+/-0.022 χ²/NDF: 1325.3/2
Right: -20.755+/-0.014 χ²/NDF: 17063.4/34
In: -20.936+/-0.017 χ²/NDF:8110.4/16
Out: -21.438+/-0.016 χ²/NDF:13283.5/20
All: -21.198+/-0.012 χ²/NDF: 21846.6/37



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -26.777+/-0.638 χ^2/NDF:5.1/1

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -46.785+/-0.957 χ^2/NDF:0.0/0

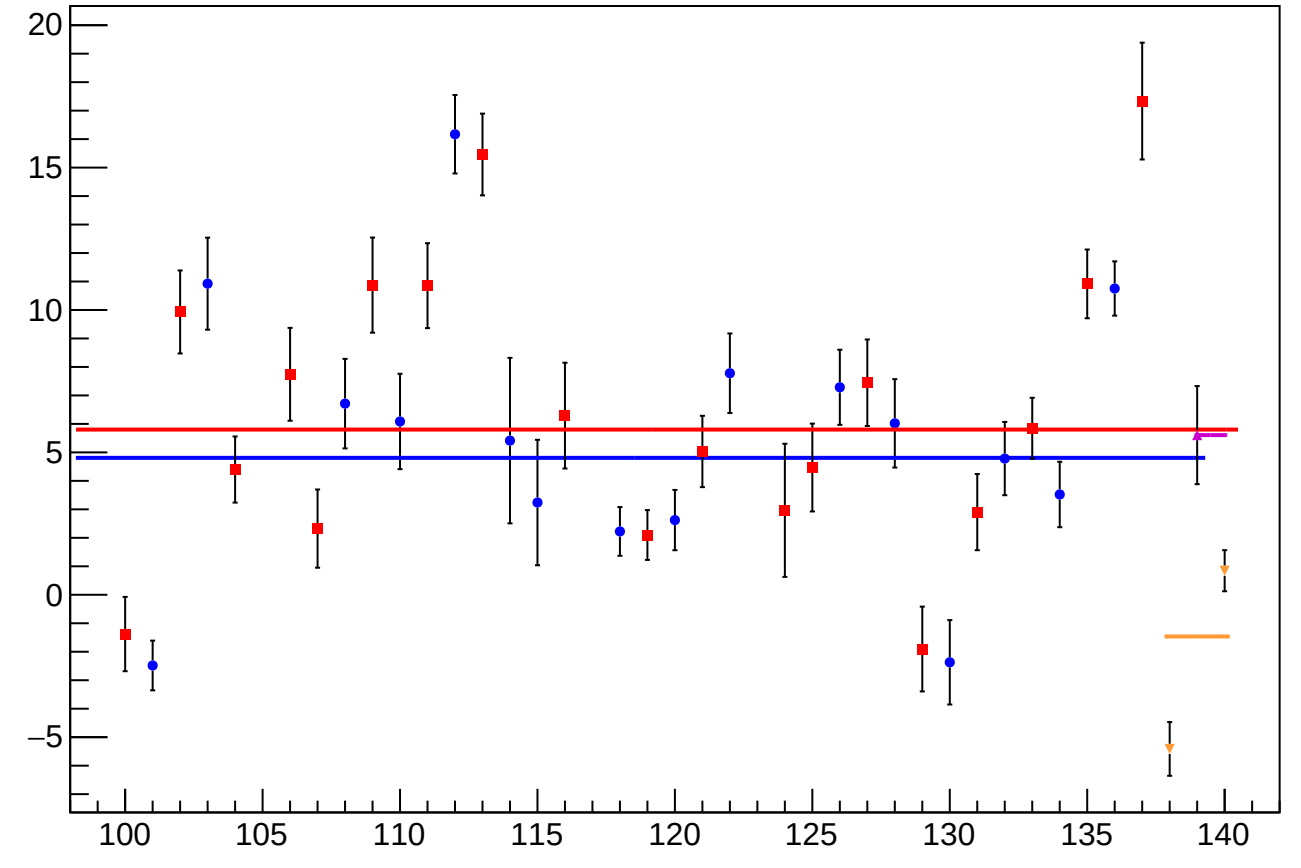
Left: -32.932+/-0.531 χ^2/NDF: 307.9/2

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -40.630+/-0.296 χ^2/NDF:1444.2/16

Out: -36.219+/-0.271 χ^2/NDF:2046.2/20

All: -38.230+/-0.200 χ^2/NDF: 3611.4/37



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: -1.464+/-0.573 χ^2/NDF:27.7/1

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 5.607+/-1.723 χ^2/NDF:0.0/0

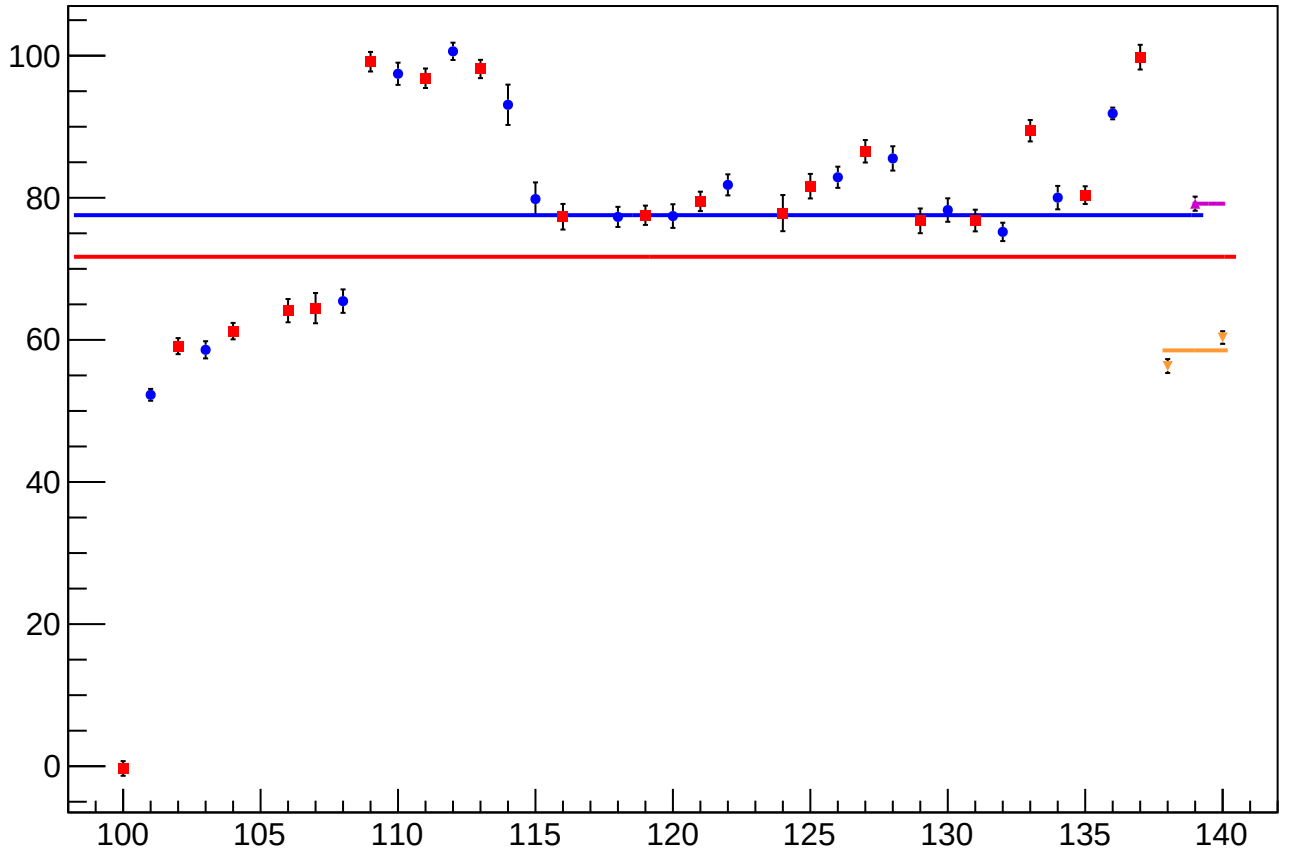
Left: -0.759+/-0.544 χ^2/NDF: 42.9/2

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 4.834+/-0.311 χ^2/NDF:240.7/16

Out: 4.116+/-0.276 χ^2/NDF:367.5/20

All: 4.433+/-0.207 χ^2/NDF: 611.2/37



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 58.522+/-0.660 χ^2/NDF:9.2/1

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 79.171+/-0.997 χ^2/NDF:0.0/0

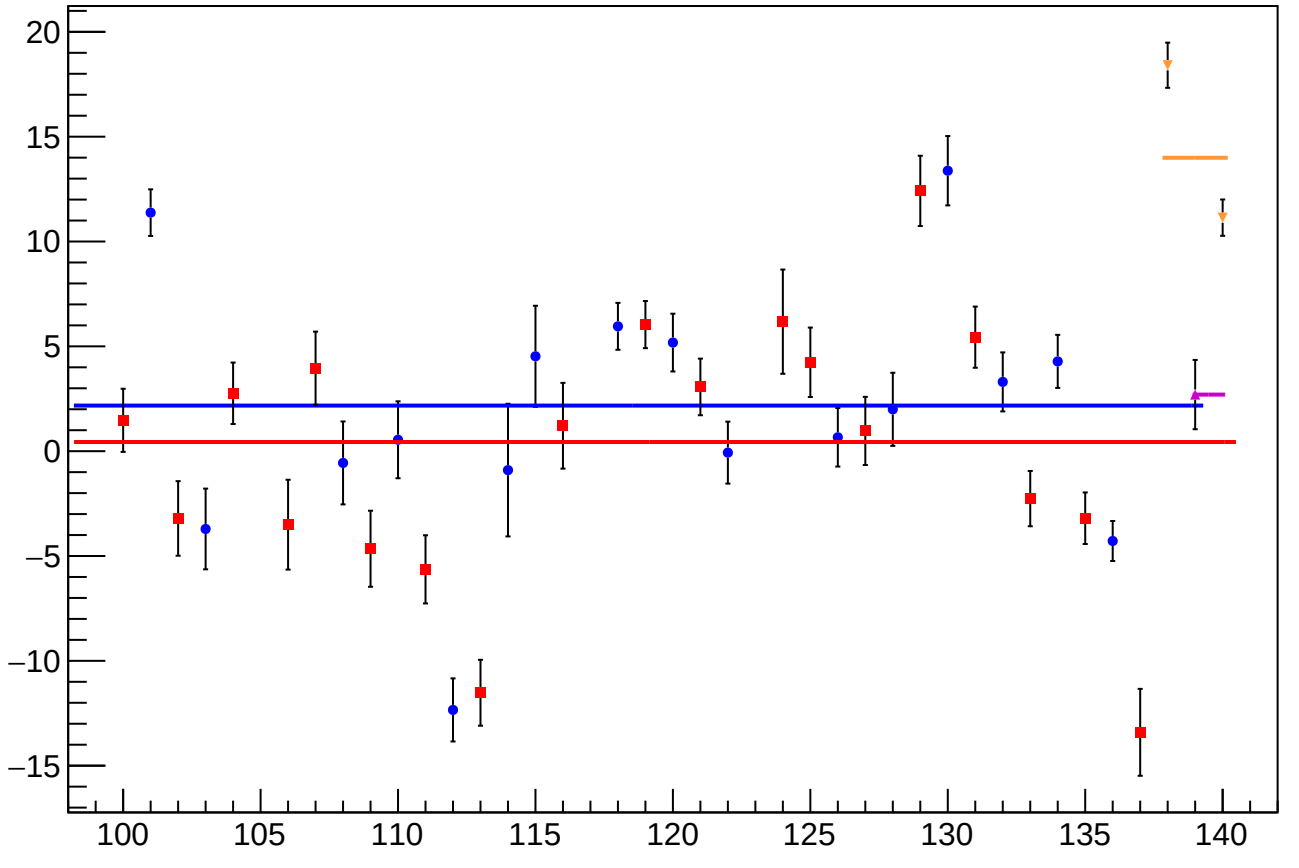
Left: 64.814+/-0.551 χ^2/NDF: 307.2/2

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 77.720+/-0.320 χ^2/NDF:2120.6/16

Out: 69.059+/-0.295 χ^2/NDF:7231.2/20

All: 73.051+/-0.217 χ^2/NDF: 9747.7/37



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 13.995+/-0.675 χ^2/NDF:27.7/1

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 2.699+/-1.652 χ^2/NDF:0.0/0

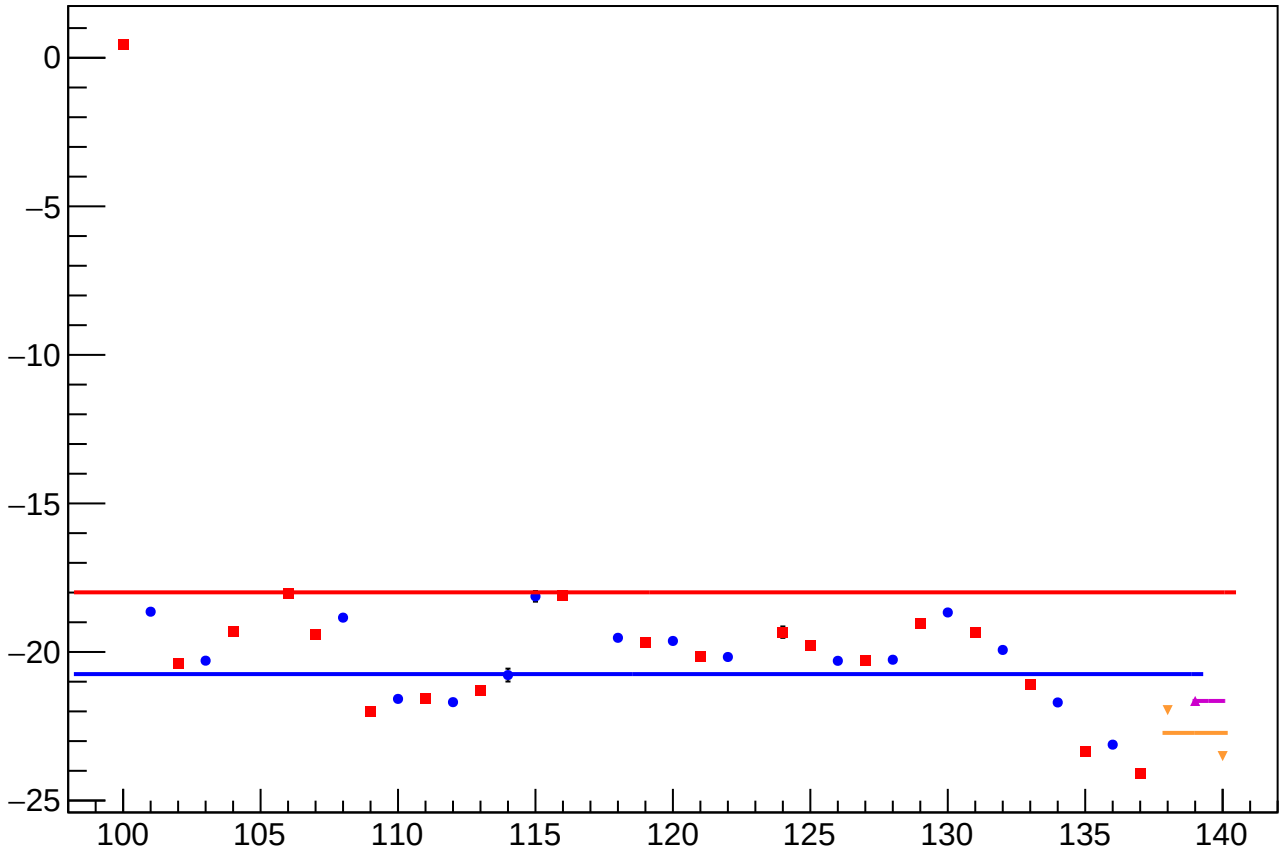
Left: 12.379+/-0.625 χ^2/NDF: 67.7/2

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 2.199+/-0.355 χ^2/NDF:290.4/16

Out: 3.465+/-0.319 χ^2/NDF:595.1/20

All: 2.900+/-0.237 χ^2/NDF: 892.5/37



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -22.723+/-0.028 χ^2/NDF:767.1/1

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -21.648+/-0.036 χ^2/NDF:0.0/0

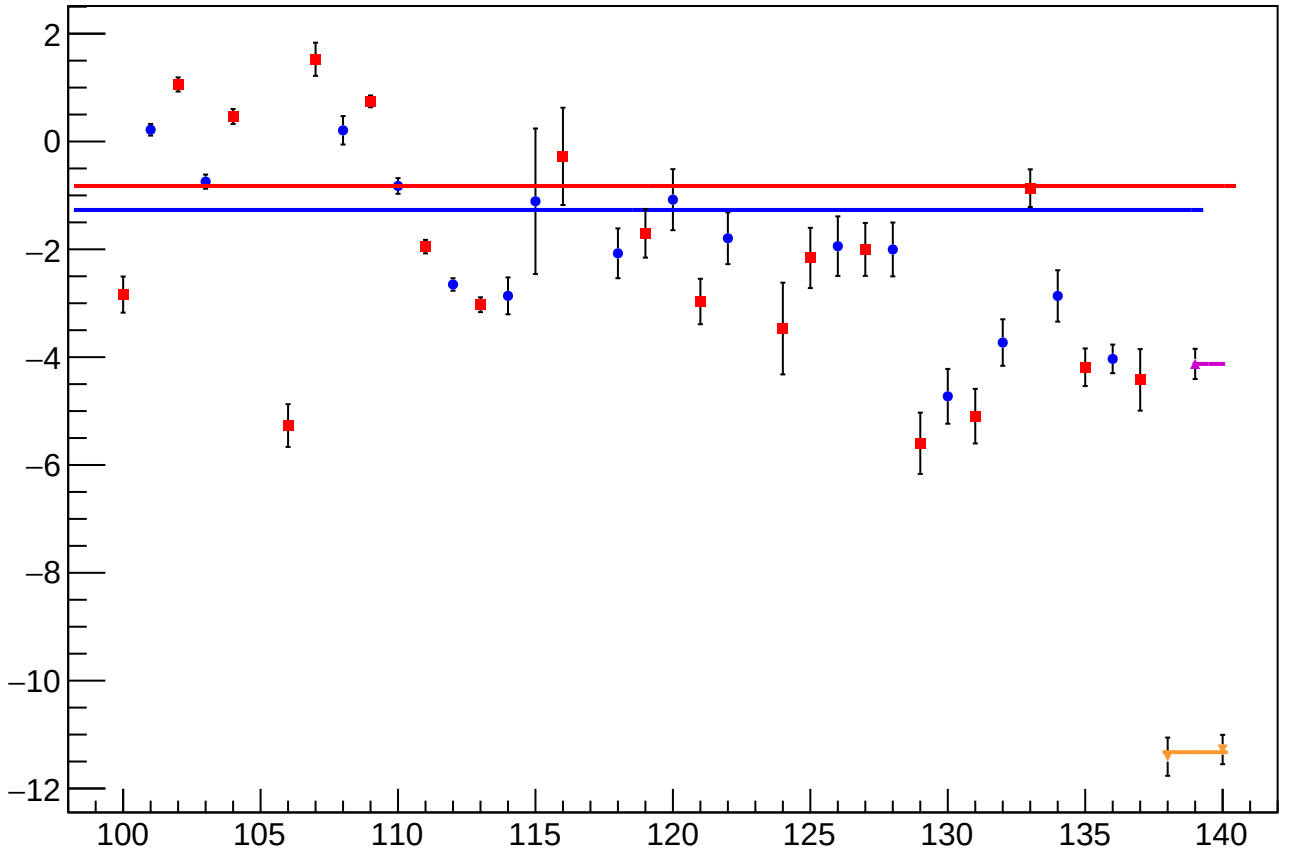
Left: -22.314+/-0.022 χ^2/NDF: 1332.6/2

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -20.953+/-0.017 χ^2/NDF:8010.2/16

Out: -19.478+/-0.016 χ^2/NDF:171052.0/20

All: -20.151+/-0.012 χ^2/NDF: 183122.3/37



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -11.327+/-0.216 χ^2/NDF:0.1/1

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -4.125+/-0.281 χ^2/NDF:0.0/0

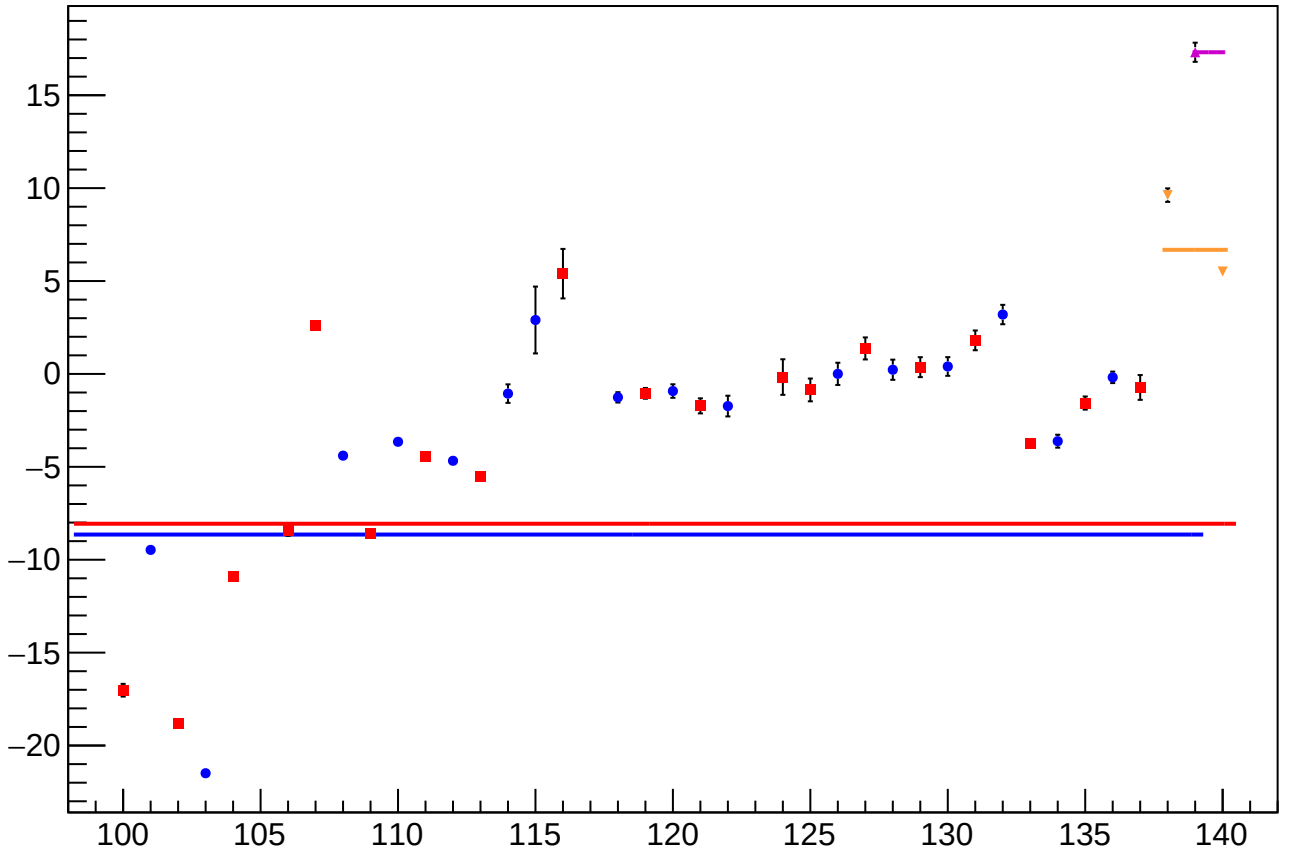
Left: -8.644+/-0.171 χ^2/NDF: 413.6/2

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.374+/-0.054 χ^2/NDF:716.3/16

Out: -1.379+/-0.050 χ^2/NDF:3620.0/20

All: -1.377+/-0.036 χ^2/NDF: 4336.3/37



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 6.680+/-0.194 χ^2/NDF:91.3/1

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 17.313+/-0.515 χ^2/NDF:0.0/0

Left: 8.001+/-0.182 χ^2/NDF: 464.3/2

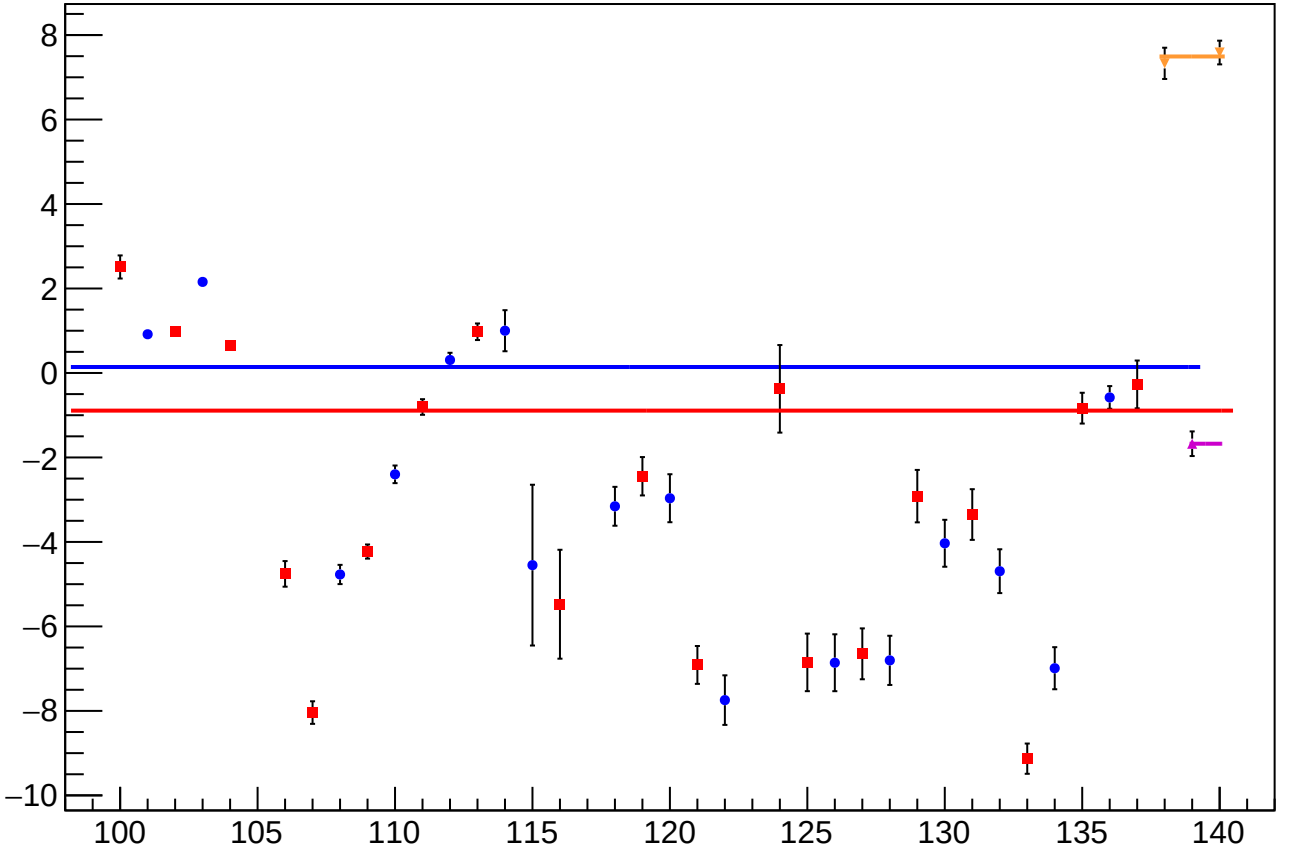
Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -8.332+/-0.057 χ^2/NDF:16335.4/16

Out: -6.873+/-0.055 χ^2/NDF:19825.8/20

All: -7.583+/-0.039 χ^2/NDF: 36502.2/37

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 7.493+/-0.224 χ^2/NDF:0.3/1

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: -1.675+/-0.292 χ^2/NDF:0.0/0

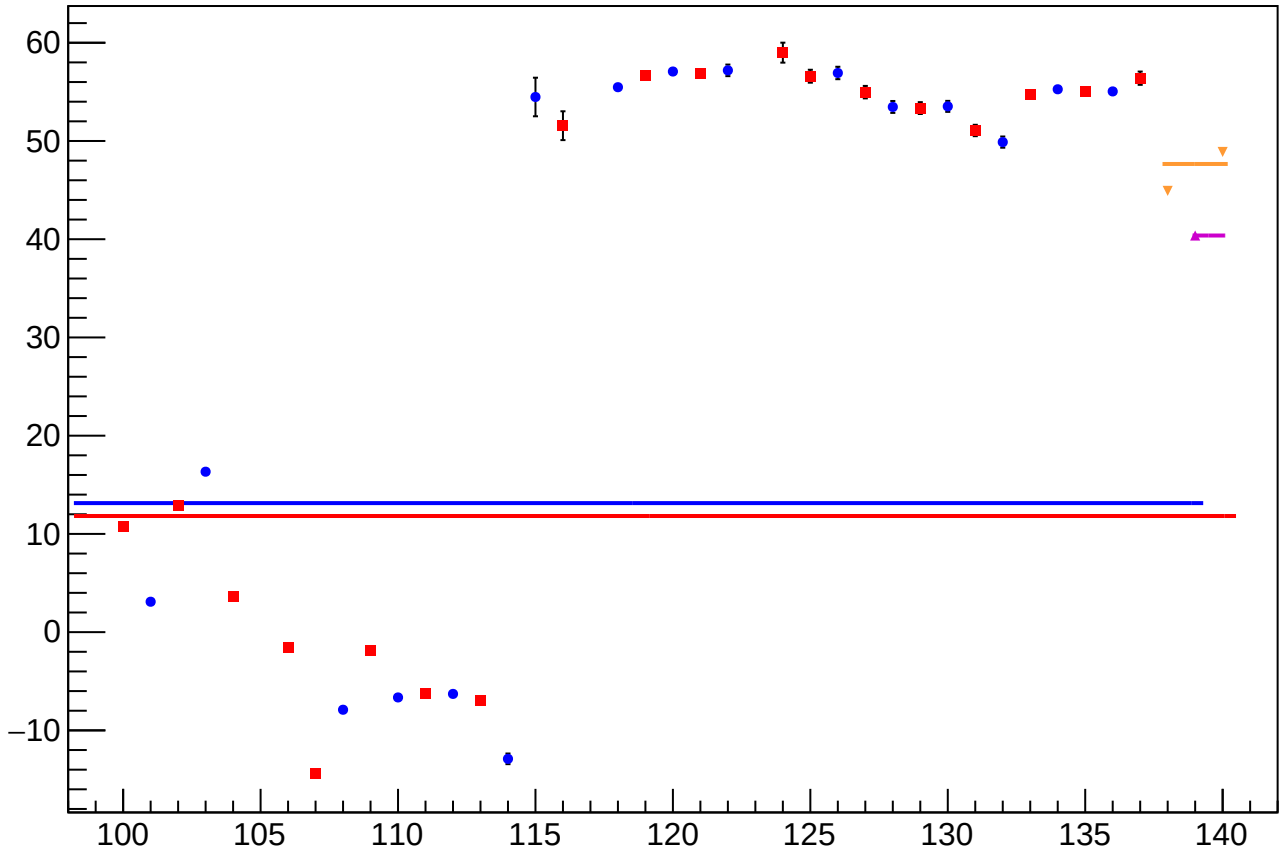
Left: 4.097+/-0.177 χ^2/NDF: 623.0/2

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.083+/-0.052 χ^2/NDF:1997.3/16

Out: -0.435+/-0.052 χ^2/NDF:4315.5/20

All: -0.176+/-0.037 χ^2/NDF: 6362.4/37



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 47.659+/-0.229 χ^2/NDF:64.0/1

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 40.376+/-0.495 χ^2/NDF:0.0/0

Left: 46.377+/-0.208 χ^2/NDF: 242.4/2

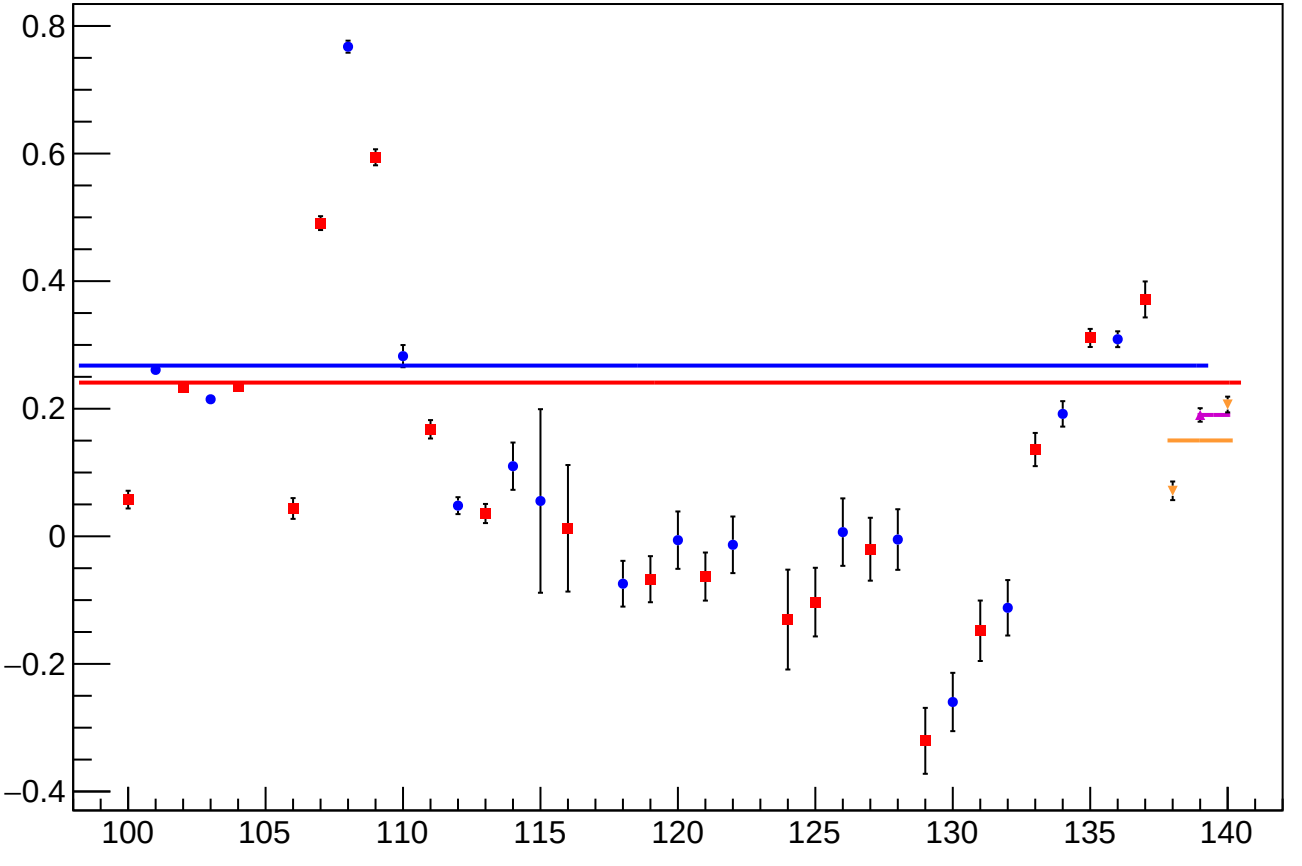
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 13.640+/-0.067 χ^2/NDF:111547.6/16

Out: 14.719+/-0.065 χ^2/NDF:140784.8/20

All: 14.198+/-0.047 χ^2/NDF: 252465.3/37

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.150+/-0.009 χ^2/NDF:50.2/1

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.190+/-0.011 χ^2/NDF:0.0/0

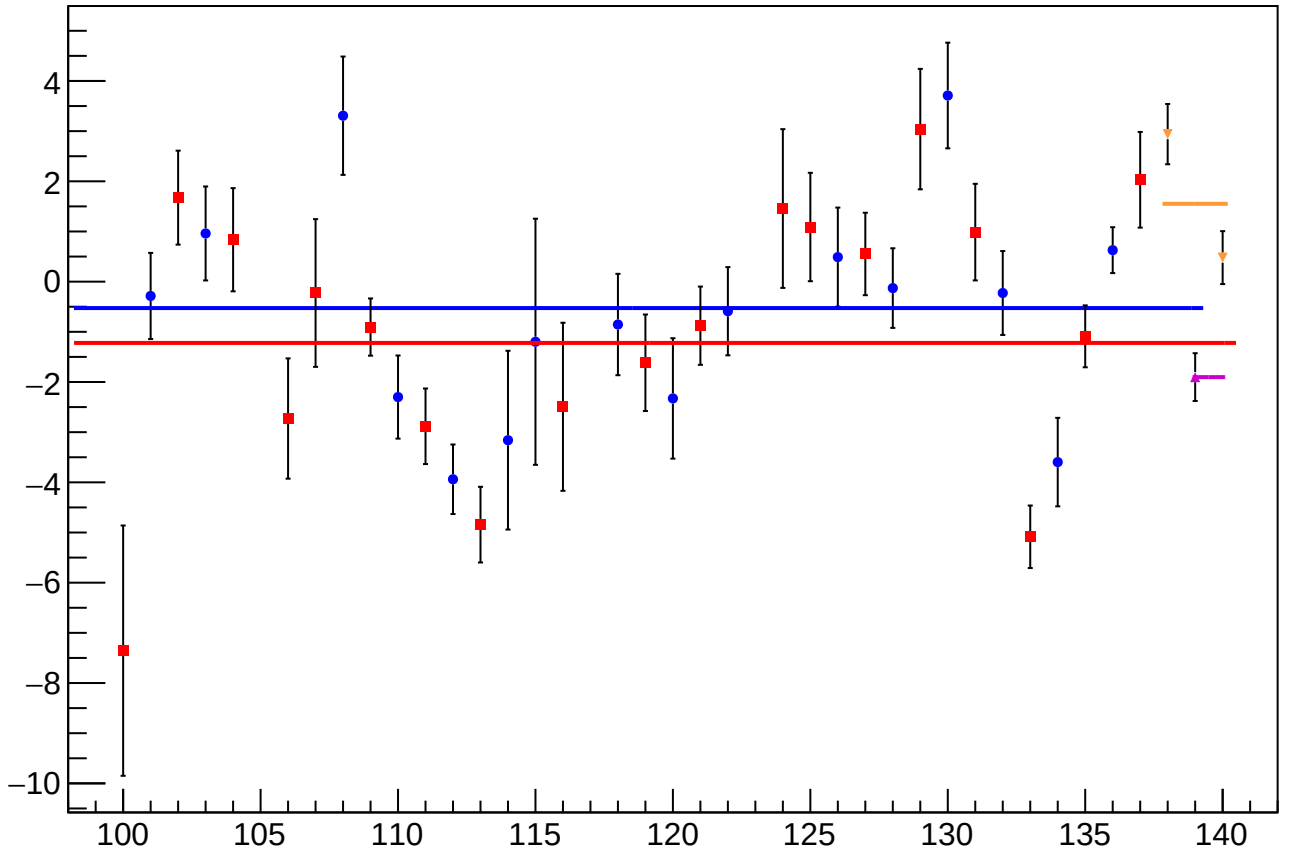
Left: 0.168+/-0.007 χ^2/NDF: 58.1/2

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.263+/-0.003 χ^2/NDF:3770.3/16

Out: 0.234+/-0.003 χ^2/NDF:2474.8/20

All: 0.248+/-0.002 χ^2/NDF: 6303.1/37



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 1.551+/-0.396 χ^2/NDF:9.5/1

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.903+/-0.476 χ^2/NDF:0.0/0

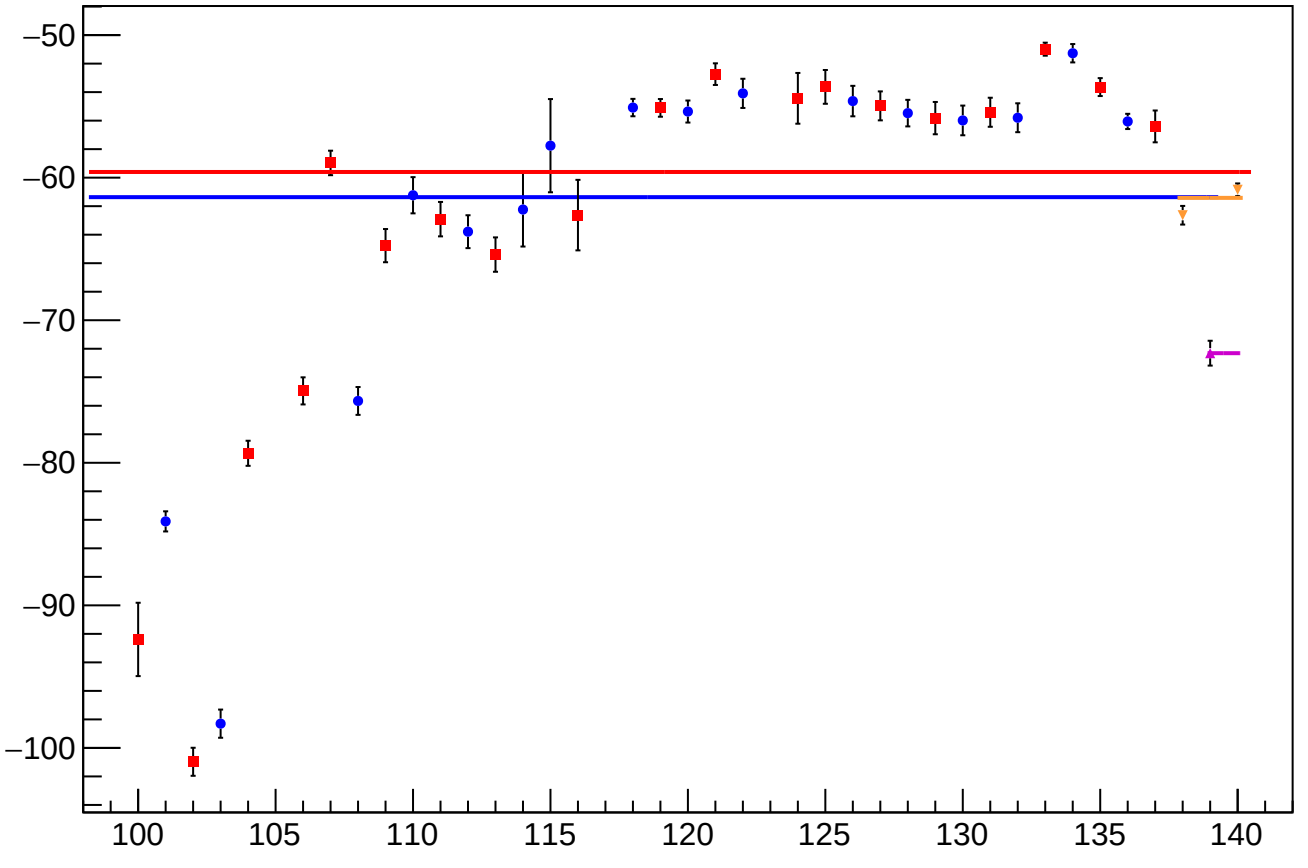
Left: 0.138+/-0.305 χ^2/NDF: 40.5/2

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.763+/-0.198 χ^2/NDF:89.6/16

Out: -0.638+/-0.182 χ^2/NDF:179.0/20

All: -0.695+/-0.134 χ^2/NDF: 268.9/37



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -61.418+/-0.369 χ^2/NDF:5.1/1

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -72.311+/-0.871 χ^2/NDF:0.0/0

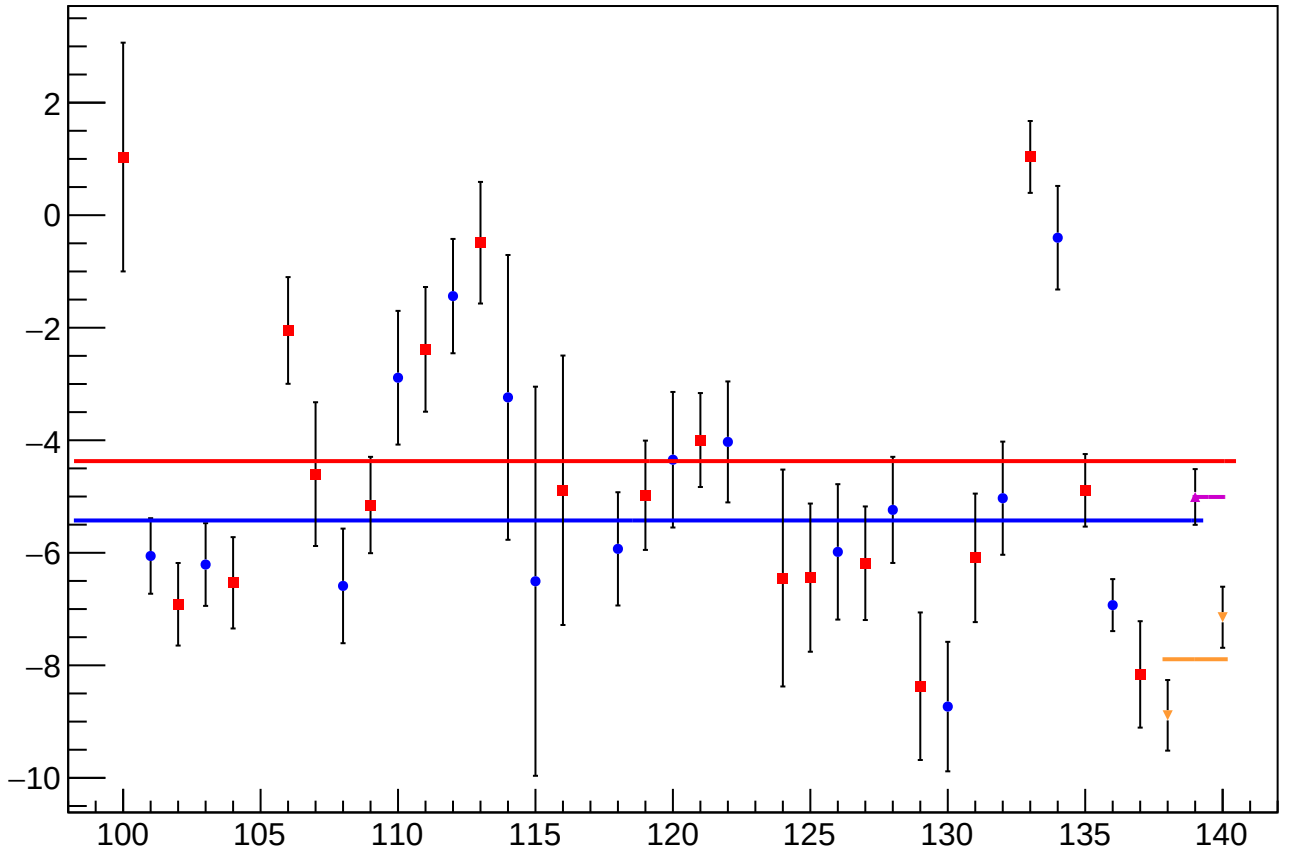
Left: -63.073+/-0.340 χ^2/NDF: 137.7/2

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -62.017+/-0.212 χ^2/NDF:3499.7/16

Out: -60.035+/-0.180 χ^2/NDF:3444.9/20

All: -60.865+/-0.137 χ^2/NDF: 6995.2/37



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -7.892+/-0.411 χ^2/NDF:4.4/1

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -5.008+/-0.495 χ^2/NDF:0.0/0

Left: -6.717+/-0.316 χ^2/NDF: 24.5/2

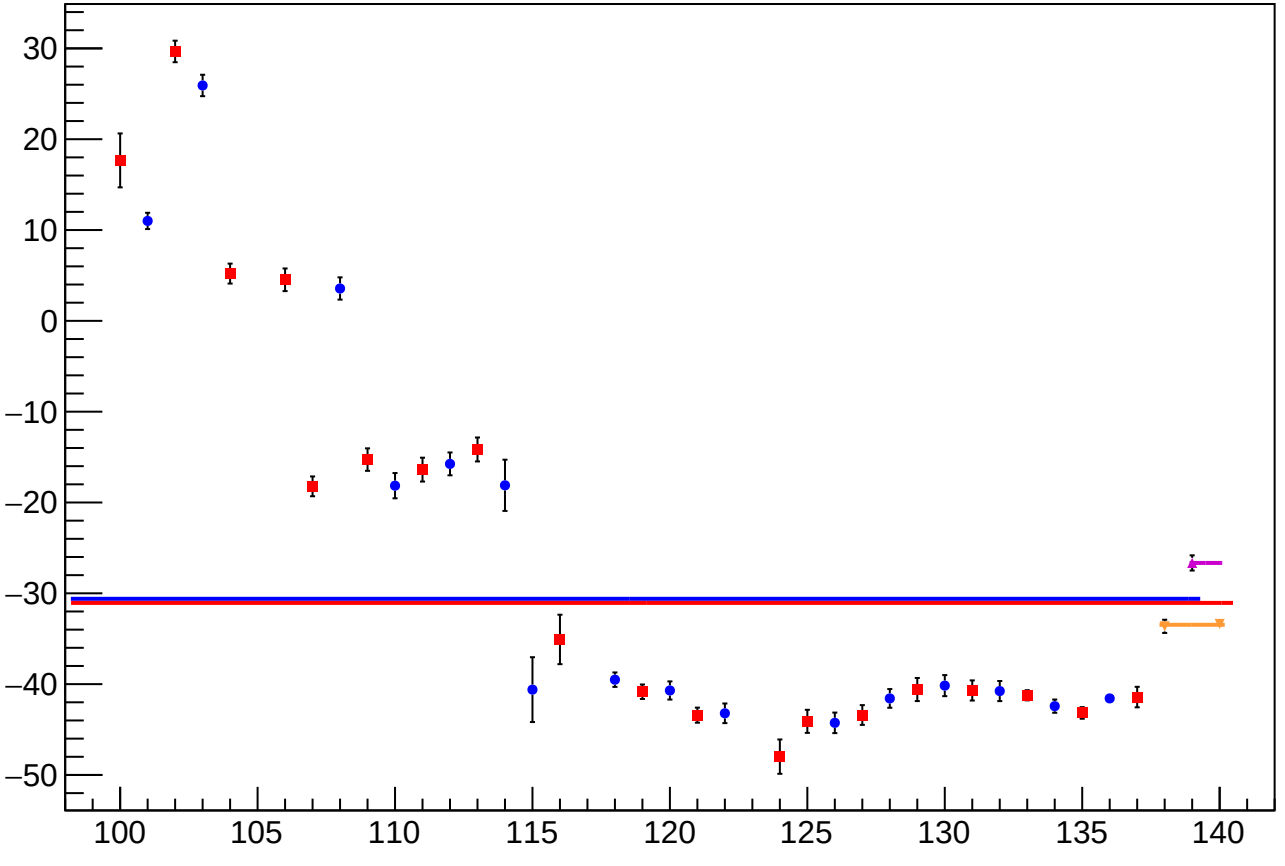
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -5.351+/-0.209 χ^2/NDF:76.5/16

Out: -5.170+/-0.196 χ^2/NDF:217.9/20

All: -5.255+/-0.143 χ^2/NDF: 294.8/37

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -33.465+/-0.431 χ^2/NDF:0.1/1

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -26.655+/-0.837 χ^2/NDF:0.0/0

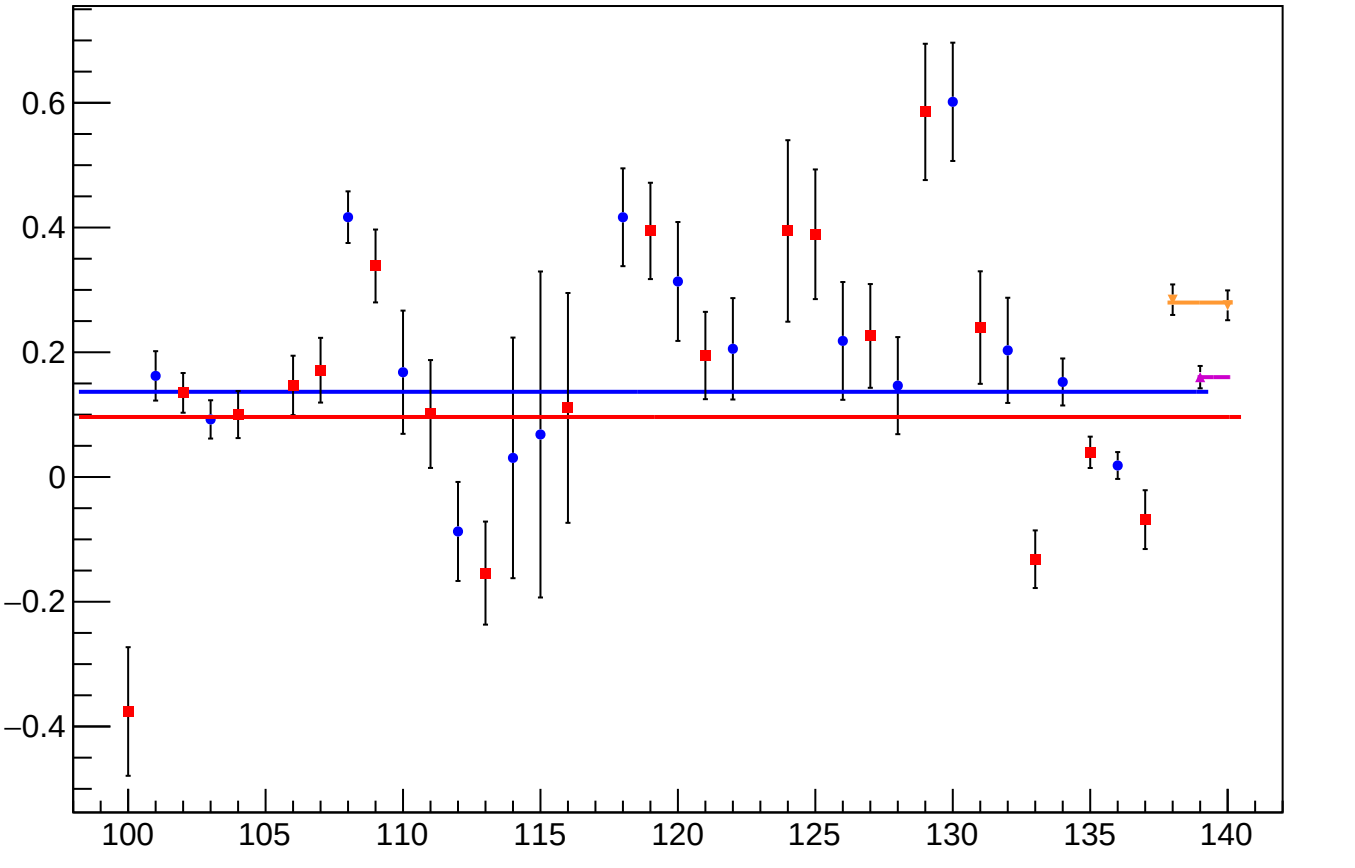
Left: -32.038+/-0.383 χ^2/NDF: 52.5/2

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -30.282+/-0.239 χ^2/NDF:6958.5/16

Out: -31.619+/-0.208 χ^2/NDF:7000.5/20

All: -31.042+/-0.157 χ^2/NDF: 13976.8/37



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.280+/-0.017 χ^2/NDF:0.1/1

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.160+/-0.018 χ^2/NDF:0.0/0

Left: 0.223+/-0.012 χ^2/NDF: 23.4/2

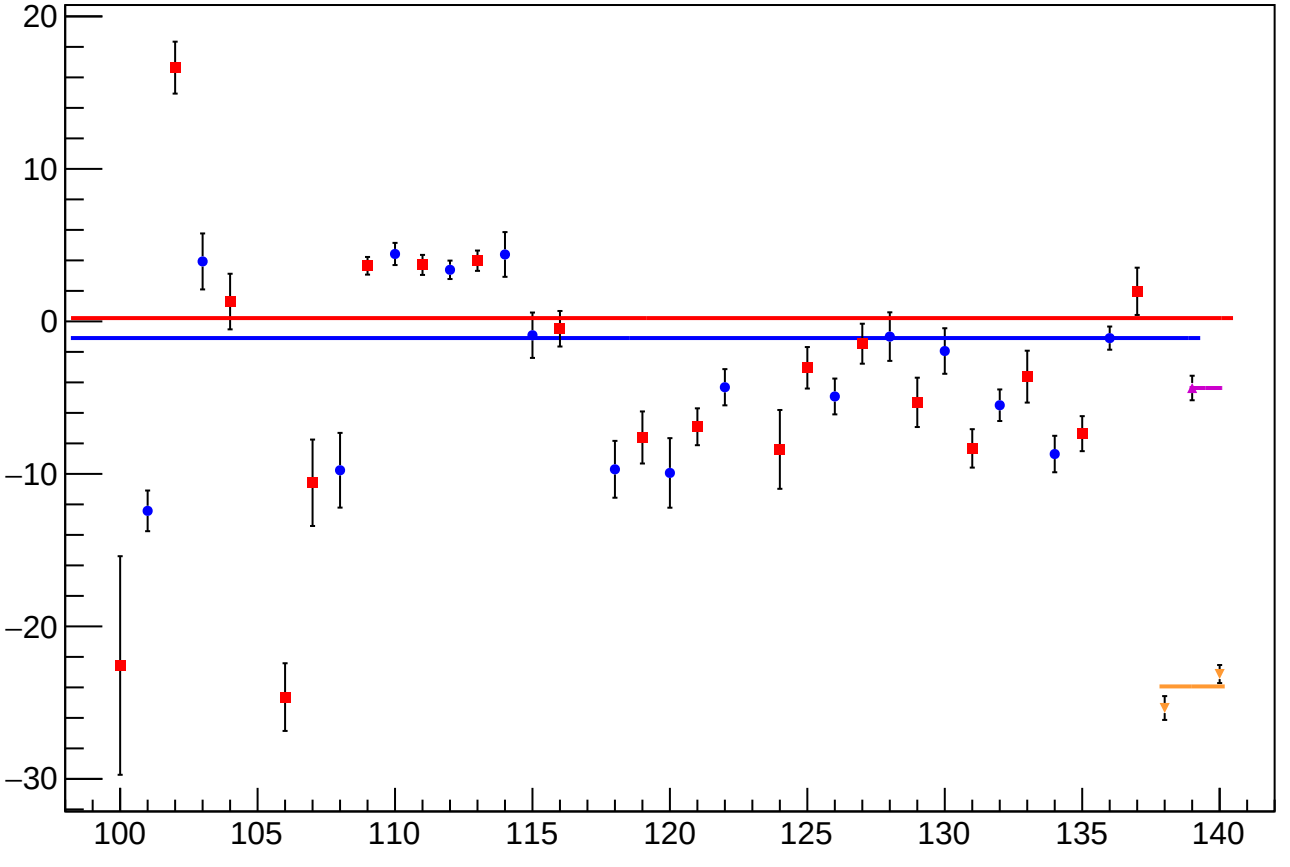
Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.144+/-0.010 χ^2/NDF:130.4/16

Out: 0.159+/-0.010 χ^2/NDF:223.5/20

All: 0.152+/-0.007 χ^2/NDF: 354.9/37

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -23.937+/-0.472 χ^2/NDF:5.2/1

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -4.368+/-0.804 χ^2/NDF:0.0/0

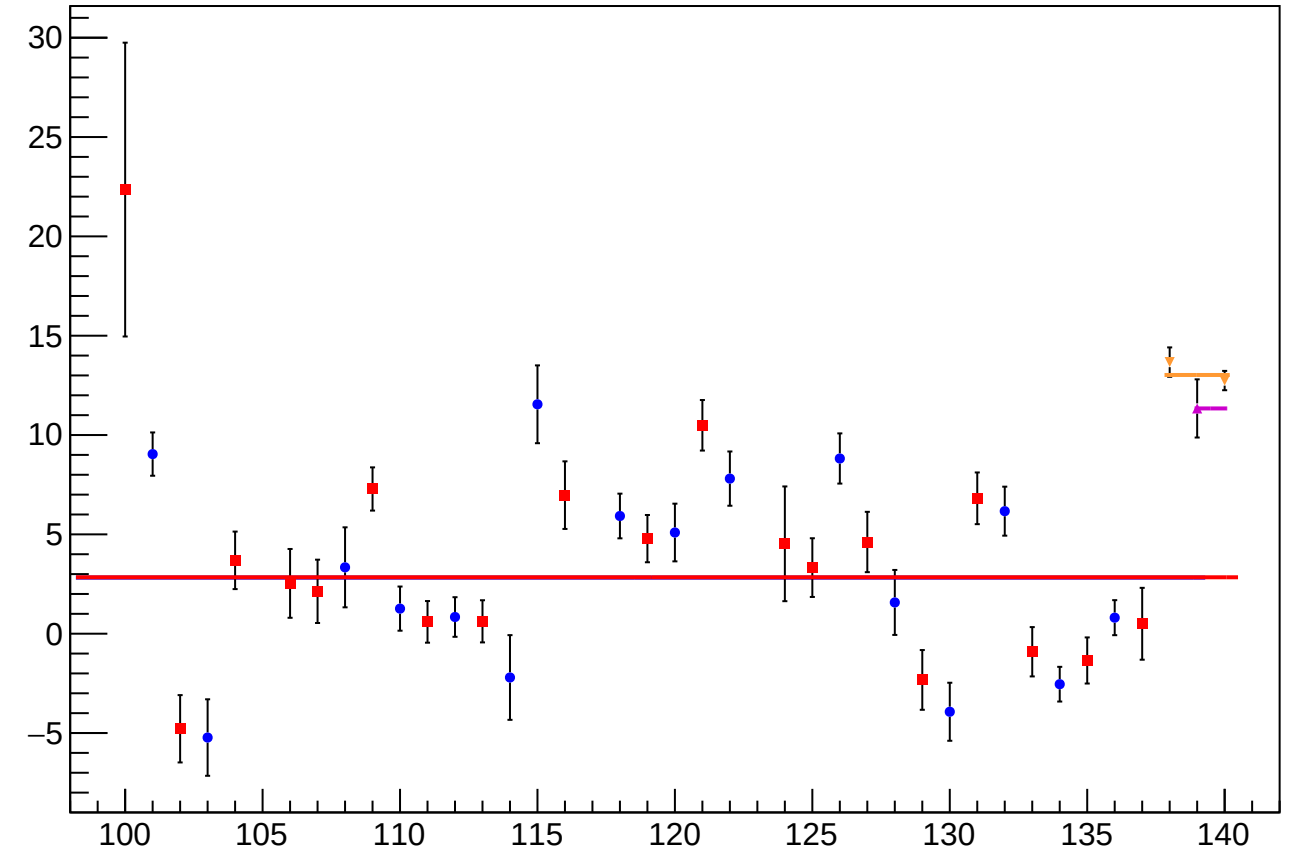
Left: -18.925+/-0.407 χ^2/NDF: 445.7/2

Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -1.448+/-0.265 χ^2/NDF:346.8/16

Out: -5.615+/-0.232 χ^2/NDF:2513.8/20

All: -3.808+/-0.174 χ^2/NDF: 3000.7/37



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 13.023+/-0.406 χ^2/NDF:1.1/1

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 11.339+/-1.464 χ^2/NDF:0.0/0

Left: 12.903+/-0.392 χ^2/NDF: 2.3/2

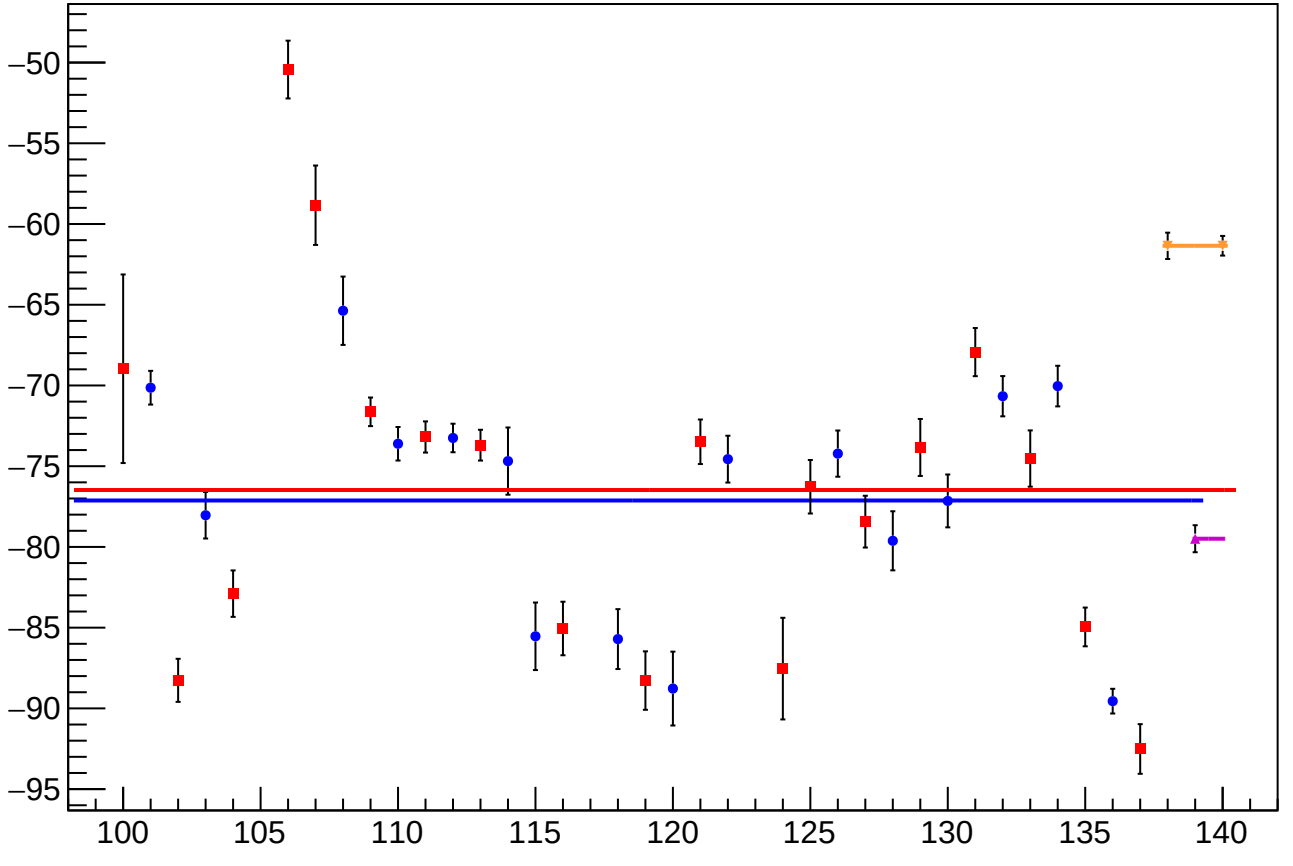
Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 3.197+/-0.306 χ^2/NDF:231.9/16

Out: 6.771+/-0.253 χ^2/NDF:531.4/20

All: 5.325+/-0.195 χ^2/NDF: 844.4/37

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -61.348+/-0.488 χ^2/NDF:0.0/1

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -79.492+/-0.837 χ^2/NDF:0.0/0

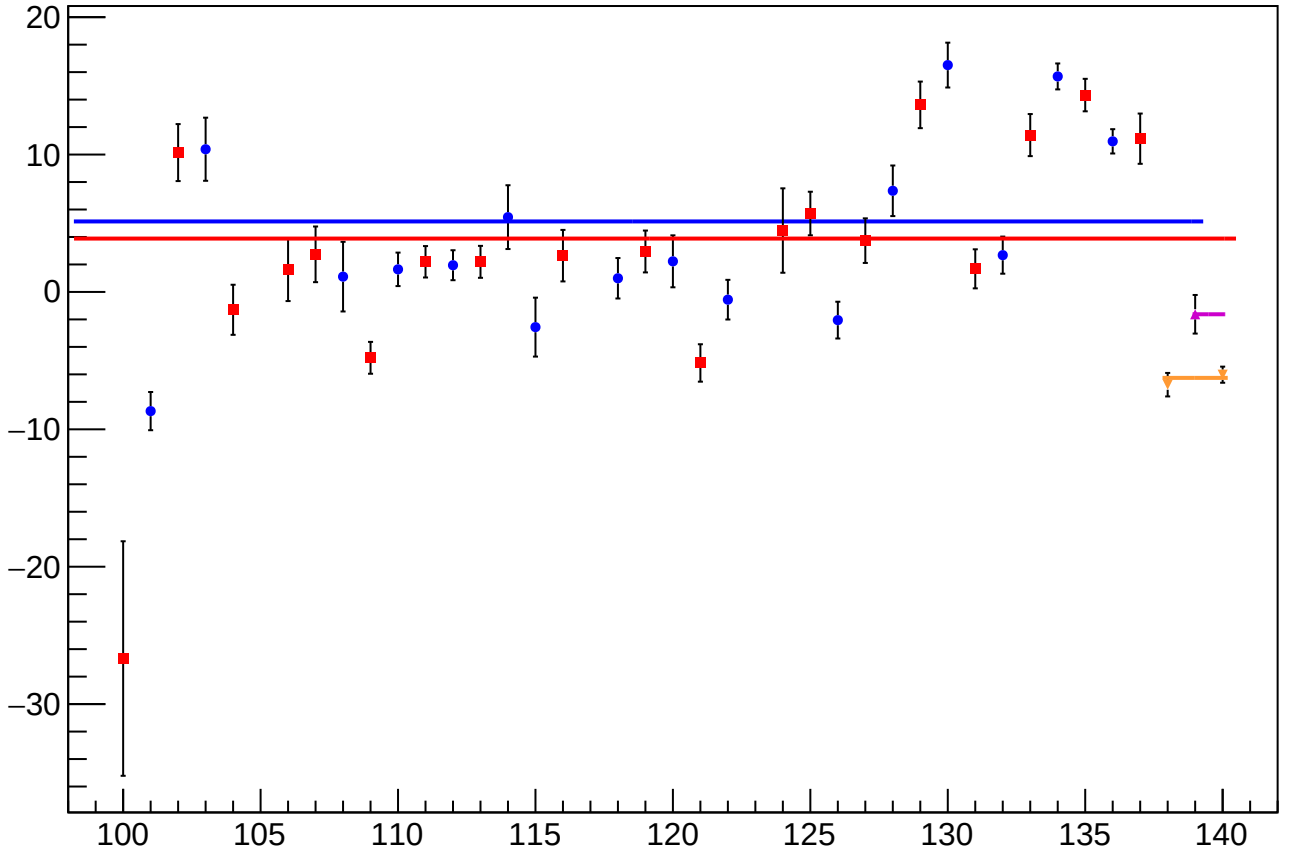
Left: -65.946+/-0.421 χ^2/NDF: 350.9/2

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -77.436+/-0.304 χ^2/NDF:510.2/16

Out: -71.753+/-0.272 χ^2/NDF:1357.8/20

All: -74.284+/-0.203 χ^2/NDF: 2061.8/37



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: -6.256+/-0.484 χ^2/NDF:0.5/1

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: -1.625+/-1.405 χ^2/NDF:0.0/0

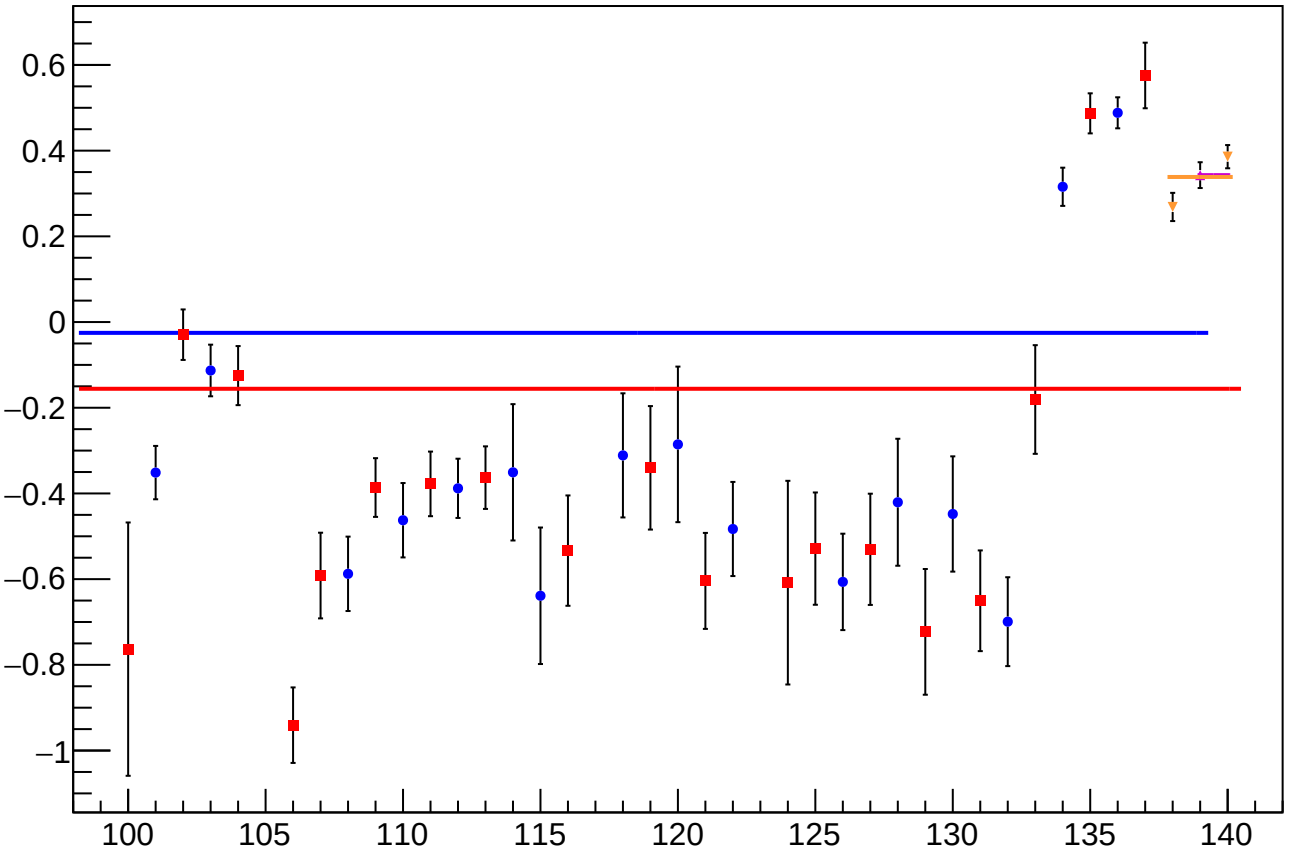
Left: -5.765+/-0.457 χ^2/NDF: 10.2/2

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 4.738+/-0.339 χ^2/NDF:434.1/16

Out: 0.251+/-0.290 χ^2/NDF:574.0/20

All: 2.141+/-0.220 χ^2/NDF: 1109.3/37



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.339+/-0.021 χ^2/NDF:7.6/1

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.343+/-0.030 χ^2/NDF:0.0/0

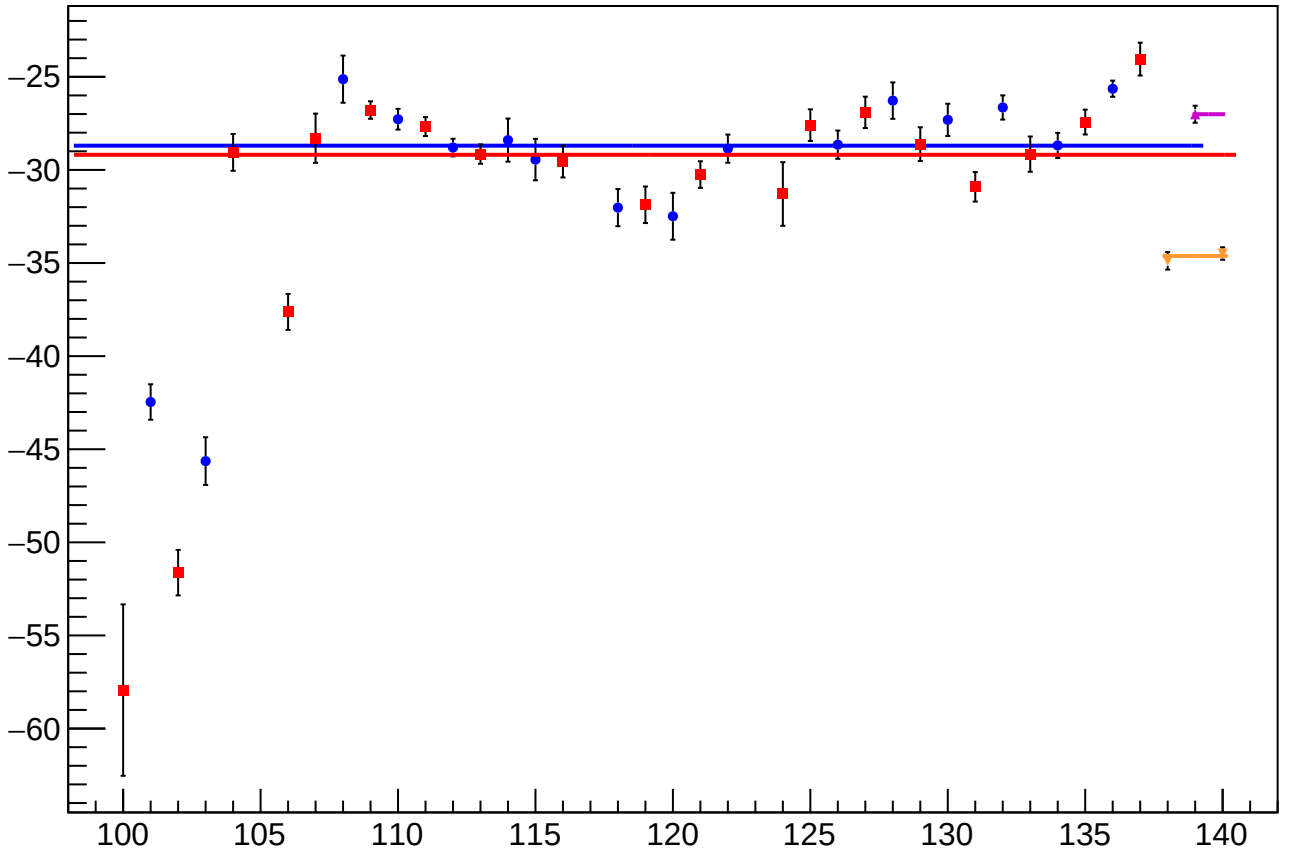
Left: 0.340+/-0.017 χ^2/NDF: 7.6/2

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.079+/-0.016 χ^2/NDF:619.5/16

Out: 0.083+/-0.015 χ^2/NDF:791.2/20

All: 0.081+/-0.011 χ^2/NDF: 1410.7/37



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -34.622+/-0.273 χ^2/NDF:0.5/1

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -27.010+/-0.458 χ^2/NDF:0.0/0

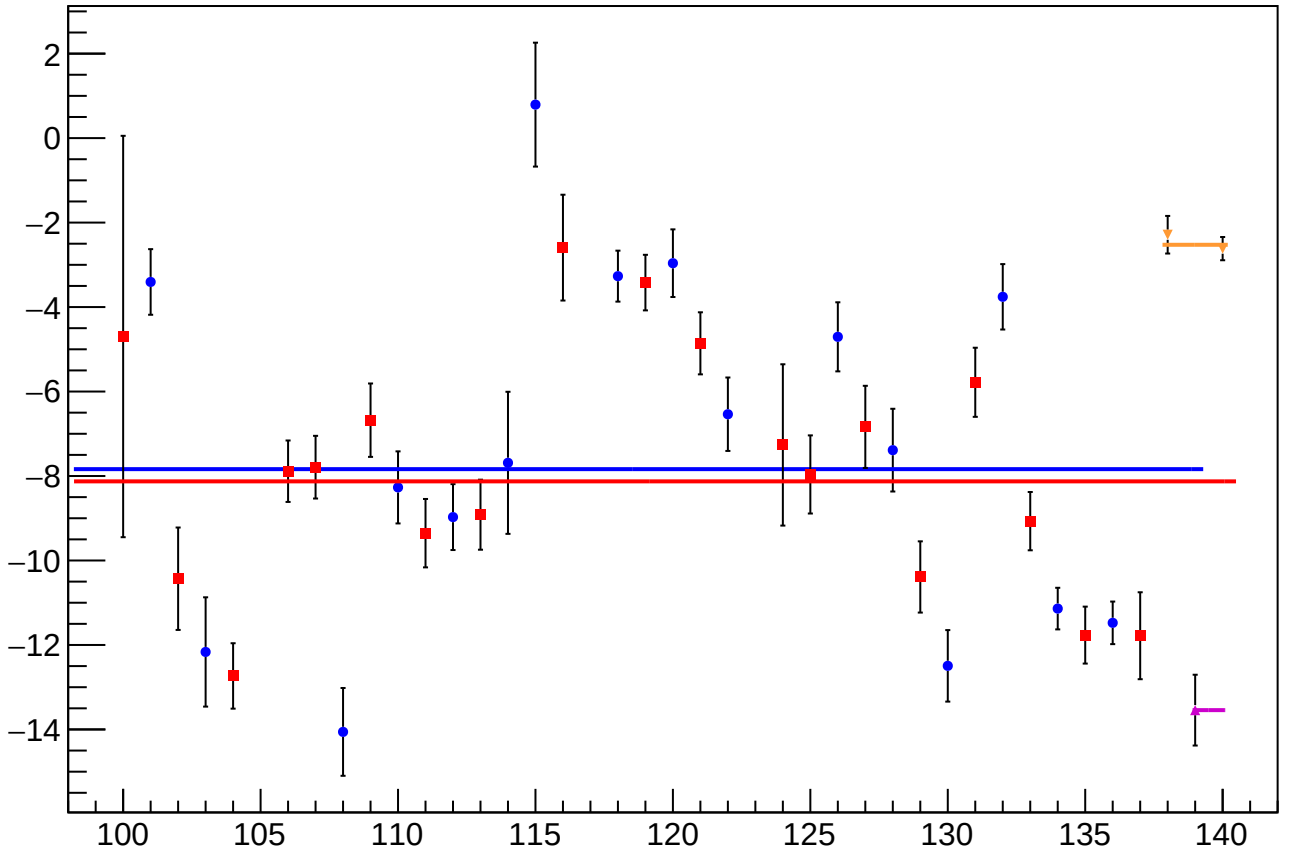
Left: -32.624+/-0.234 χ^2/NDF: 204.5/2

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -28.459+/-0.172 χ^2/NDF:499.0/16

Out: -30.850+/-0.151 χ^2/NDF:832.7/20

All: -29.811+/-0.114 χ^2/NDF: 1440.7/37



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -2.526+/-0.234 χ^2/NDF:0.4/1

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -13.543+/-0.838 χ^2/NDF:0.0/0

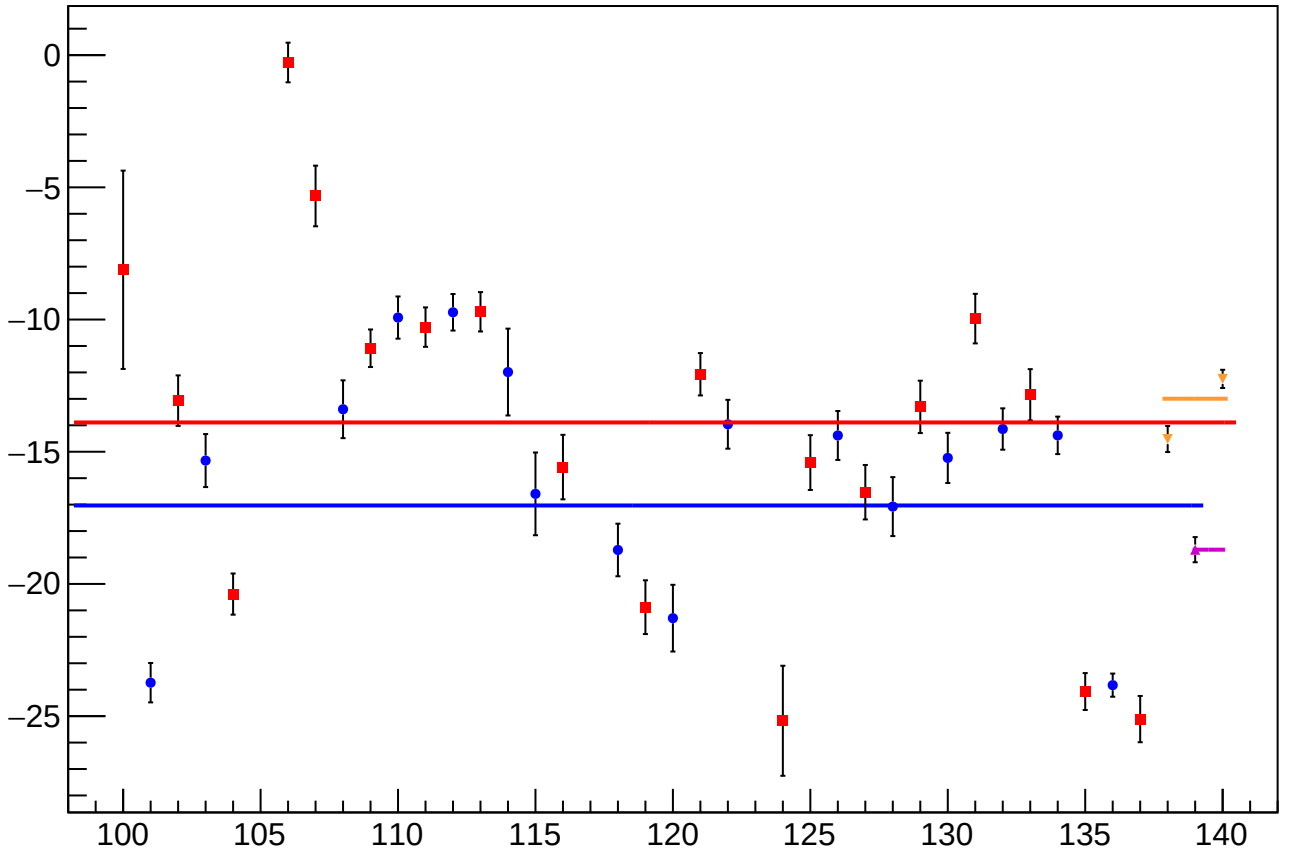
Left: -3.322+/-0.225 χ^2/NDF: 160.7/2

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -8.130+/-0.190 χ^2/NDF:427.2/16

Out: -5.808+/-0.151 χ^2/NDF:533.5/20

All: -6.704+/-0.118 χ^2/NDF: 1052.6/37



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -12.994+/-0.282 χ^2/NDF:14.4/1

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -18.704+/-0.476 χ^2/NDF:0.0/0

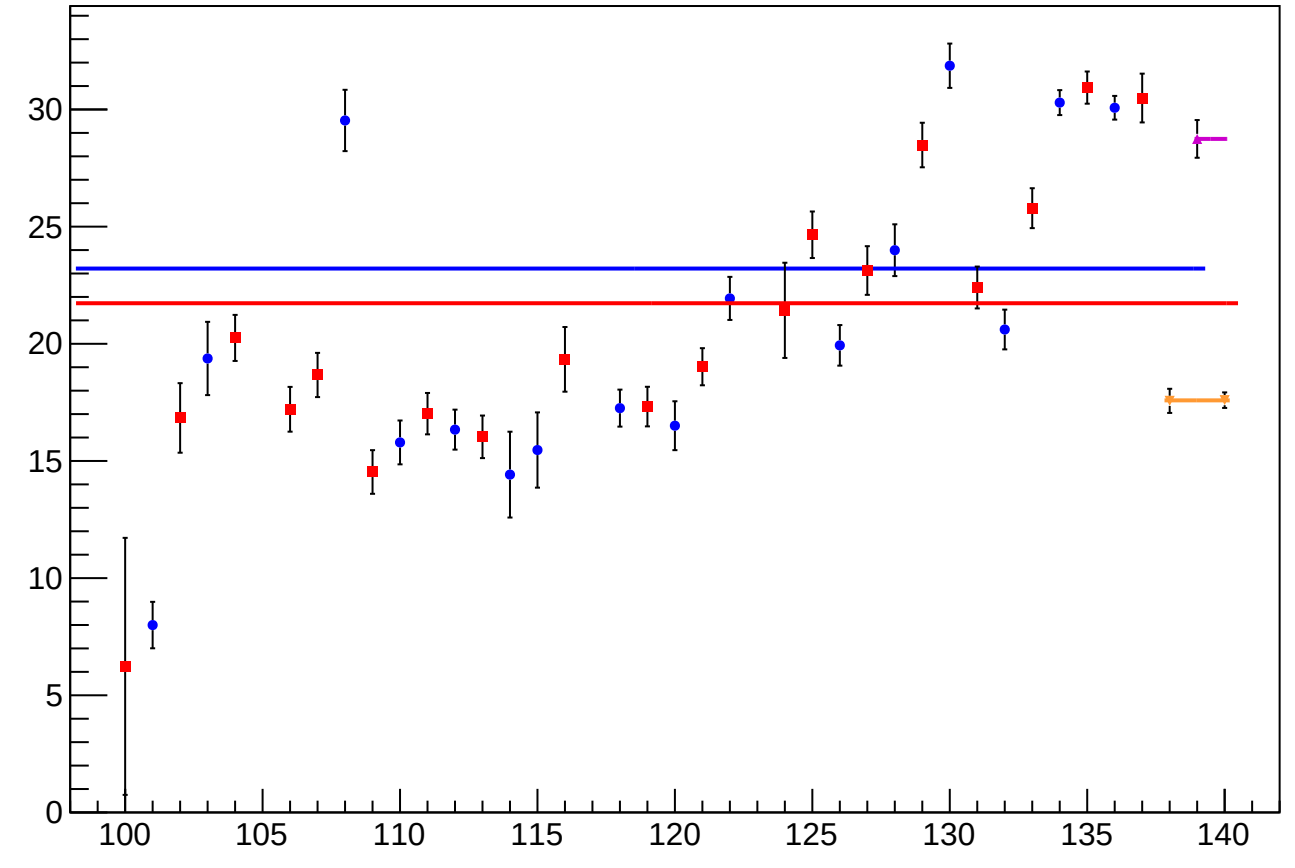
Left: -14.478+/-0.243 χ^2/NDF: 120.9/2

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -17.304+/-0.192 χ^2/NDF:611.5/16

Out: -13.573+/-0.168 χ^2/NDF:1038.3/20

All: -15.195+/-0.126 χ^2/NDF: 1864.1/37



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 17.586+/-0.279 χ^2/NDF:0.0/1

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 28.744+/-0.805 χ^2/NDF:0.0/0

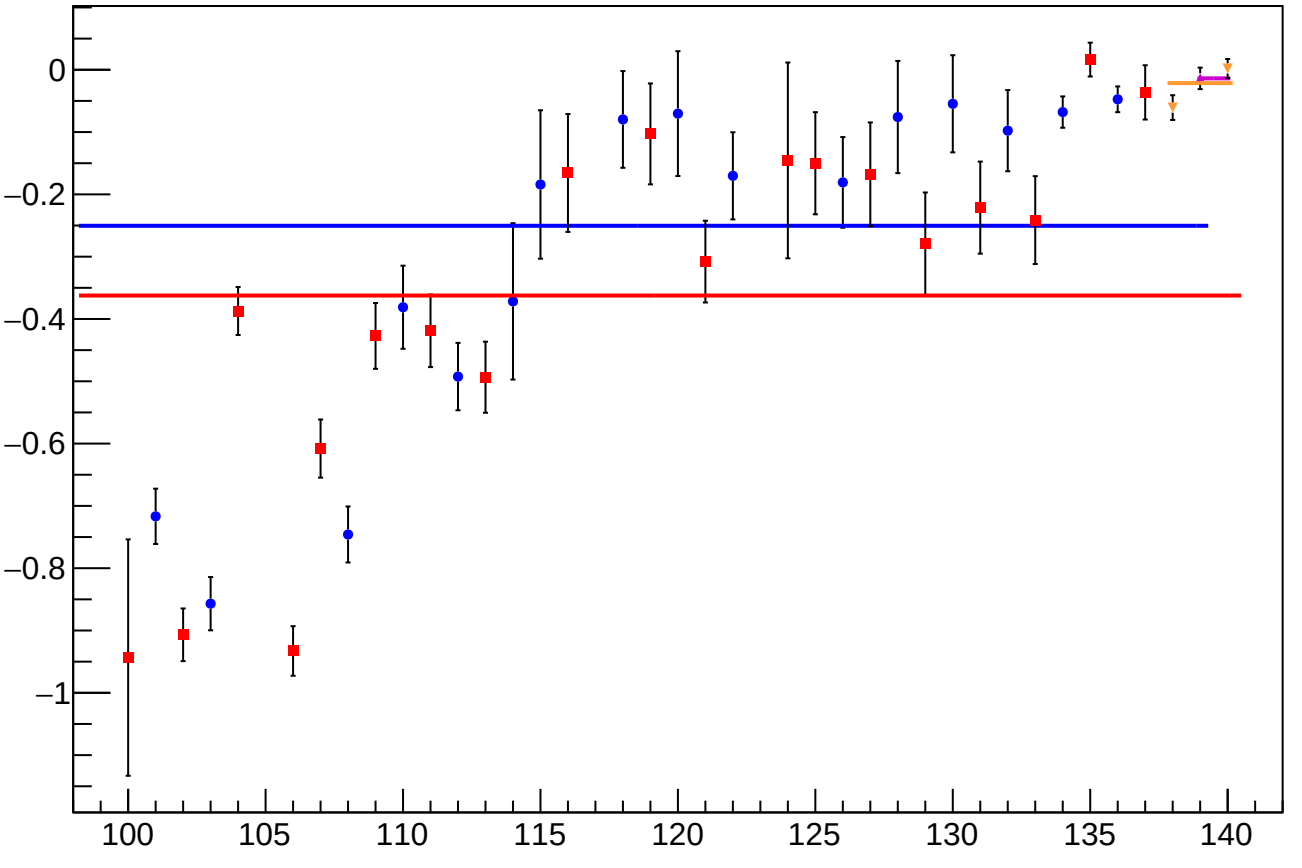
Left: 18.781+/-0.263 χ^2/NDF: 171.6/2

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.590+/-0.211 χ^2/NDF:1052.2/16

Out: 20.102+/-0.175 χ^2/NDF:692.4/20

All: 21.525+/-0.134 χ^2/NDF: 1907.1/37



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.021+/-0.012 χ^2/NDF:6.3/1

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.014+/-0.017 χ^2/NDF:0.0/0

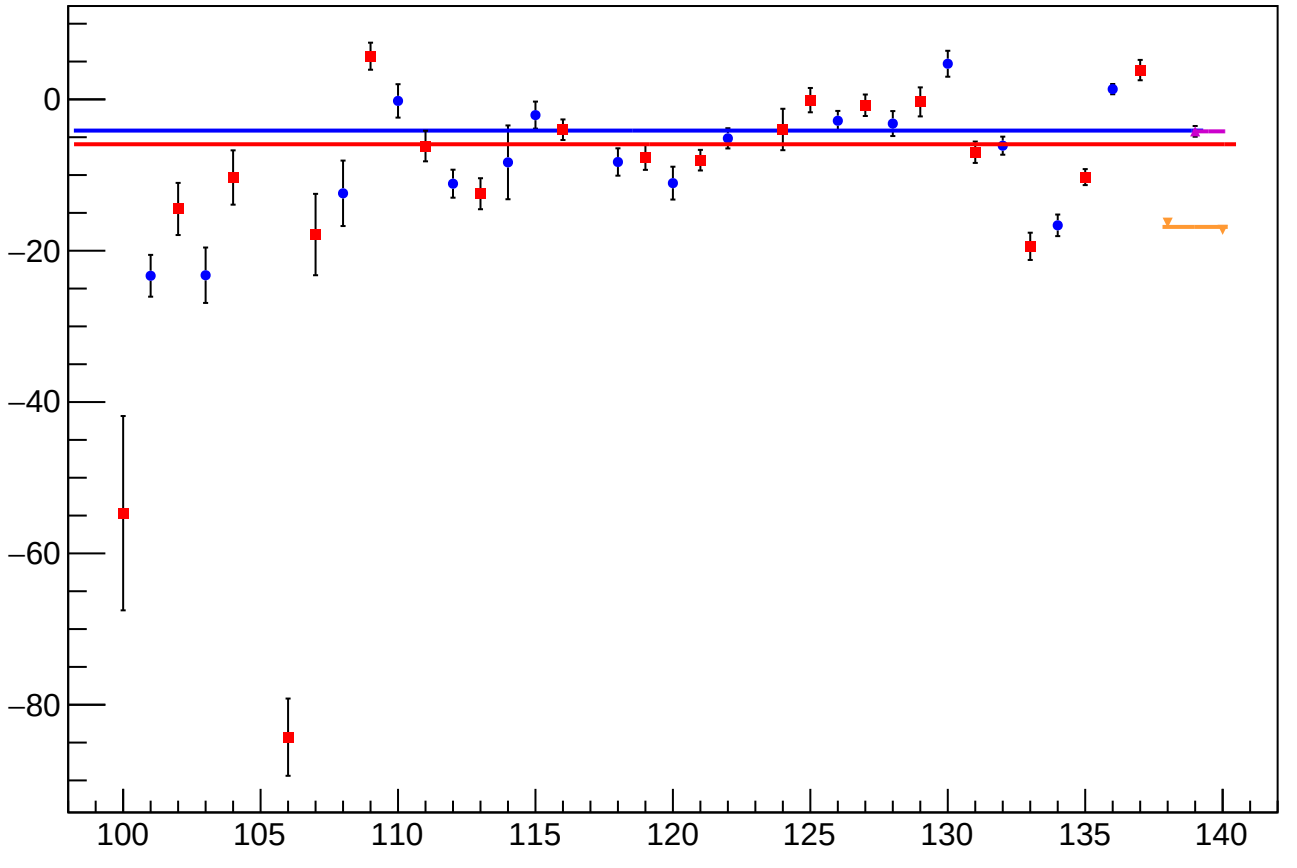
Left: -0.019+/-0.010 χ^2/NDF: 6.4/2

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.176+/-0.010 χ^2/NDF:762.8/16

Out: -0.189+/-0.009 χ^2/NDF:1098.7/20

All: -0.183+/-0.006 χ^2/NDF: 1862.4/37



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -16.854+/-0.428 χ^2/NDF:1.2/1

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -4.225+/-0.709 χ^2/NDF:0.0/0

Left: -13.482+/-0.366 χ^2/NDF: 234.1/2

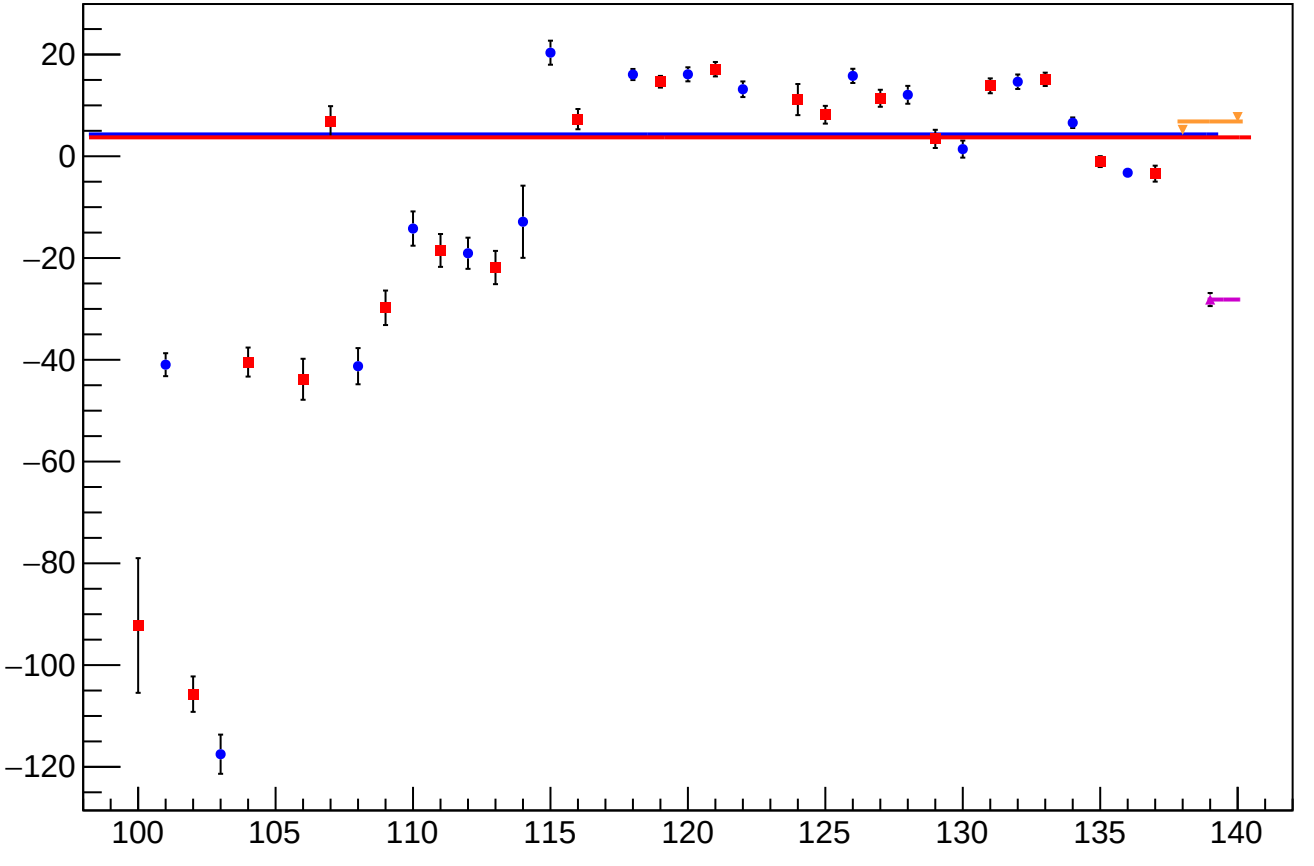
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -4.147+/-0.336 χ^2/NDF:287.9/16

Out: -11.133+/-0.295 χ^2/NDF:825.7/20

All: -8.092+/-0.222 χ^2/NDF: 1357.6/37

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: 6.841+/-0.372 χ^2/NDF:10.3/1

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: -28.157+/-1.286 χ^2/NDF:0.0/0

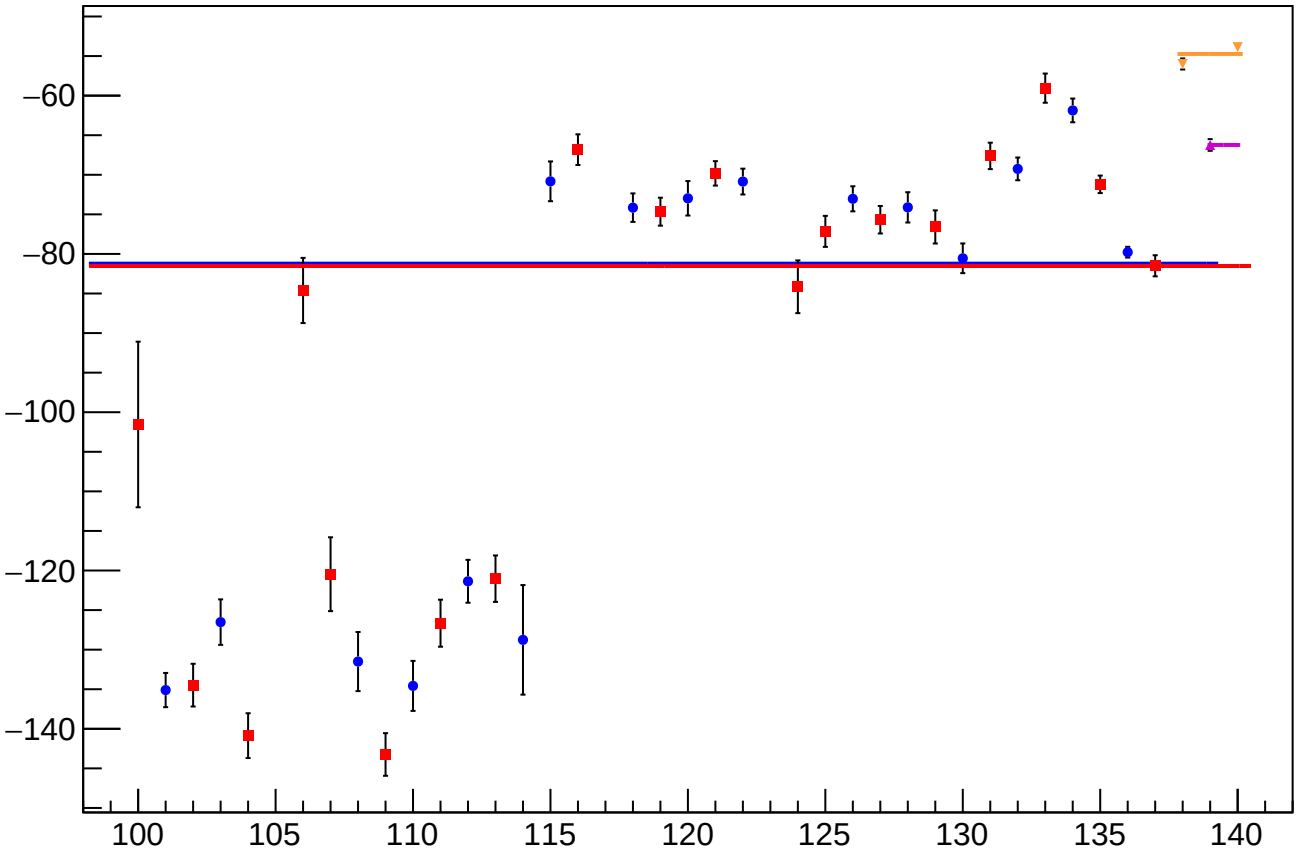
Left: 4.135+/-0.358 χ^2/NDF: 693.8/2

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 1.622+/-0.369 χ^2/NDF:2753.5/16

Out: 5.476+/-0.279 χ^2/NDF:2048.3/20

All: 4.071+/-0.223 χ^2/NDF: 4871.2/37



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -54.733+/-0.442 χ^2/NDF:5.5/1

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -66.232+/-0.738 χ^2/NDF:0.0/0

Left: -57.772+/-0.379 χ^2/NDF: 184.3/2

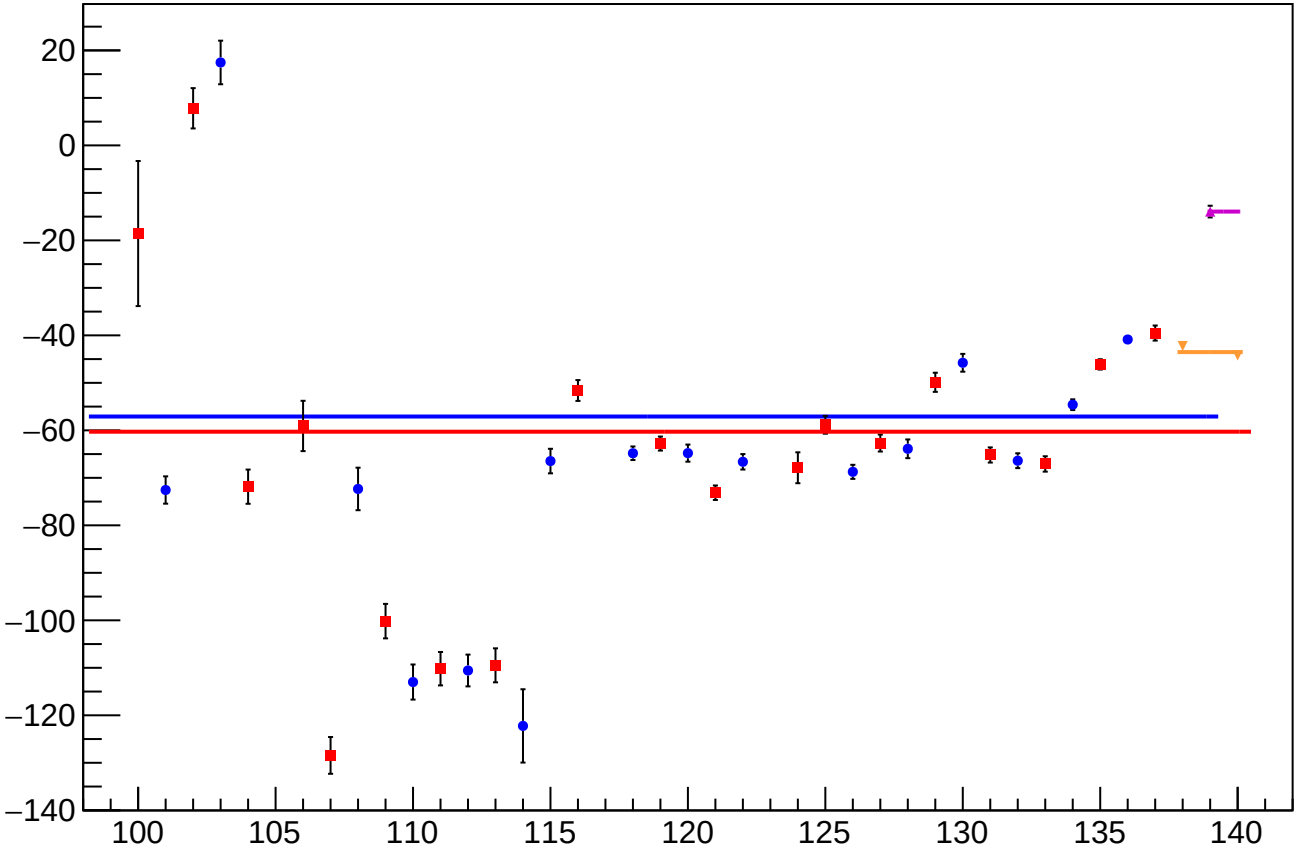
Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -77.602+/-0.363 χ^2/NDF:2284.4/16

Out: -67.552+/-0.319 χ^2/NDF:4055.2/20

All: -71.937+/-0.240 χ^2/NDF: 6771.9/37

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: -43.521+/-0.442 χ^2/NDF:4.7/1

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -13.937+/-1.234 χ^2/NDF:0.0/0

Left: -40.156+/-0.416 χ^2/NDF: 514.3/2

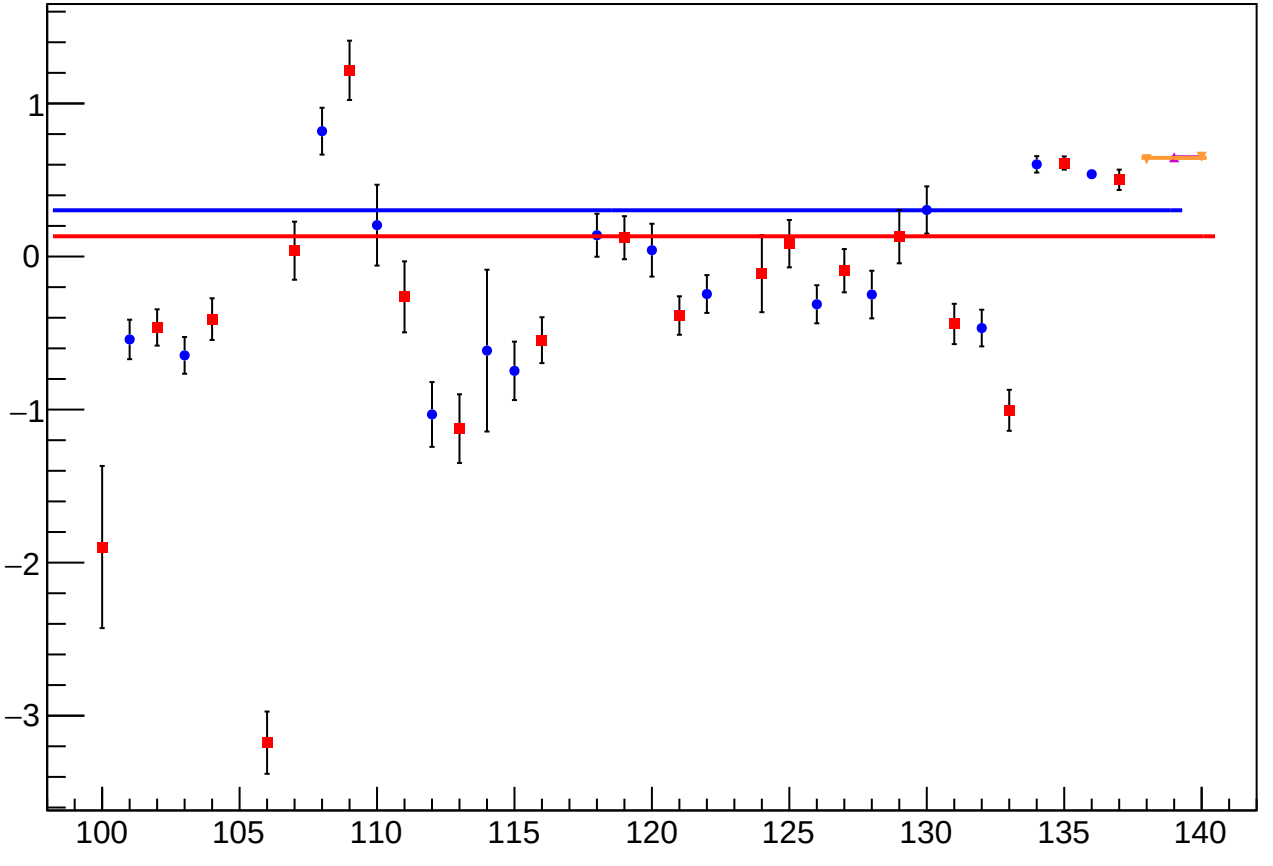
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -52.498+/-0.402 χ^2/NDF:2619.8/16

Out: -51.390+/-0.322 χ^2/NDF:2267.8/20

All: -51.822+/-0.251 χ^2/NDF: 4892.3/37

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.645+/-0.019 χ^2/NDF:0.2/1

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.649+/-0.026 χ^2/NDF:0.0/0

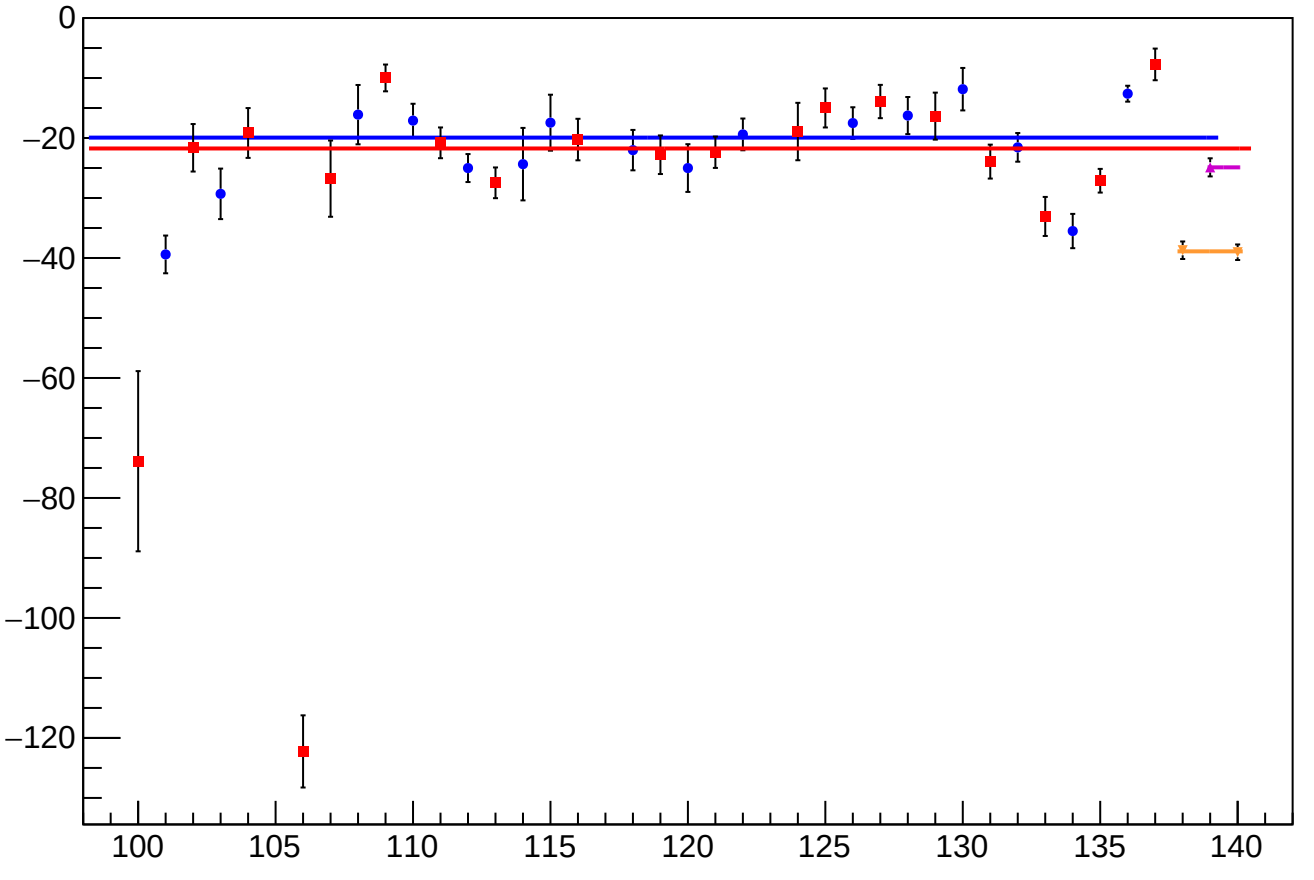
Left: 0.646+/-0.015 χ^2/NDF: 0.2/2

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.451+/-0.017 χ^2/NDF:472.8/16

Out: 0.472+/-0.015 χ^2/NDF:920.4/20

All: 0.463+/-0.012 χ^2/NDF: 1394.0/37



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -38.894+/-0.969 χ^2/NDF:0.0/1

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -24.892+/-1.509 χ^2/NDF:0.0/0

Left: -34.806+/-0.816 χ^2/NDF: 61.0/2

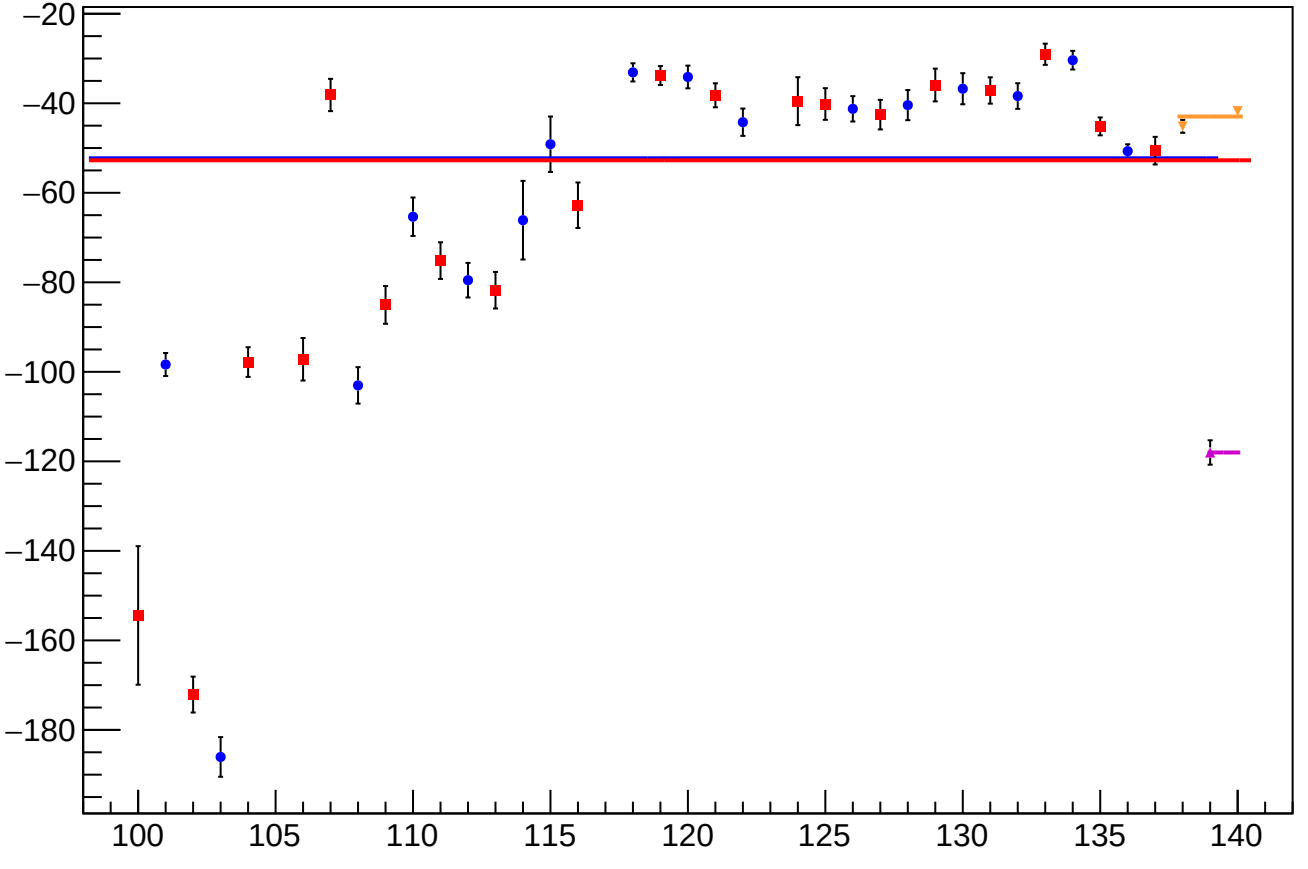
Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -20.802+/-0.631 χ^2/NDF:129.5/16

Out: -27.775+/-0.575 χ^2/NDF:591.3/20

All: -24.614+/-0.425 χ^2/NDF: 787.6/37

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: -42.959+/-0.863 χ^2/NDF:3.6/1

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -118.019+/-2.727 χ^2/NDF:0.0/0

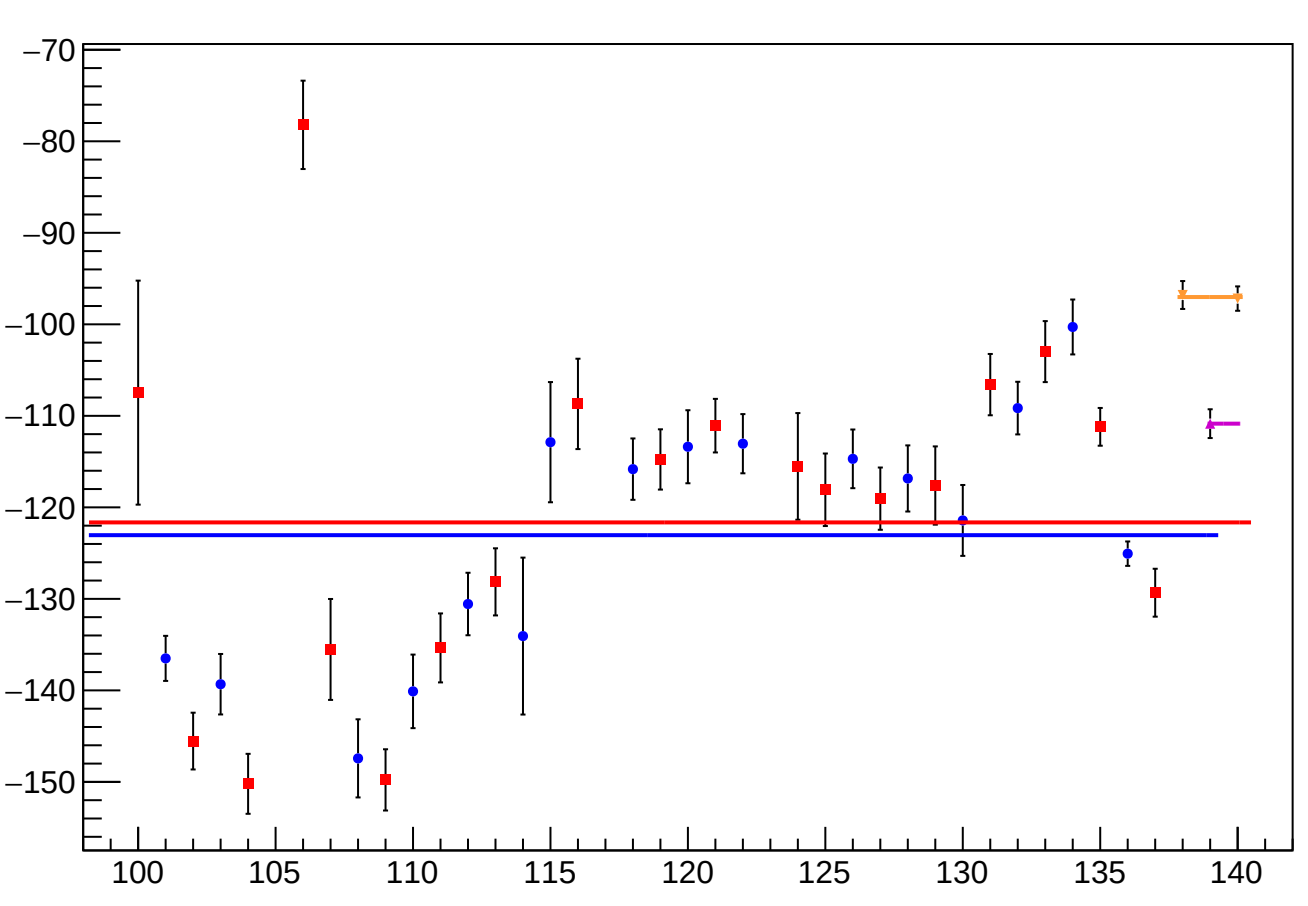
Left: -49.801+/-0.823 χ^2/NDF: 692.4/2

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -56.449+/-0.685 χ^2/NDF:2322.5/16

Out: -48.543+/-0.565 χ^2/NDF:1739.3/20

All: -51.745+/-0.436 χ^2/NDF: 4141.0/37



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -97.018+/-1.003 χ^2/NDF:0.0/1

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -110.855+/-1.573 χ^2/NDF:0.0/0

Left: -101.019+/-0.846 χ^2/NDF: 55.1/2

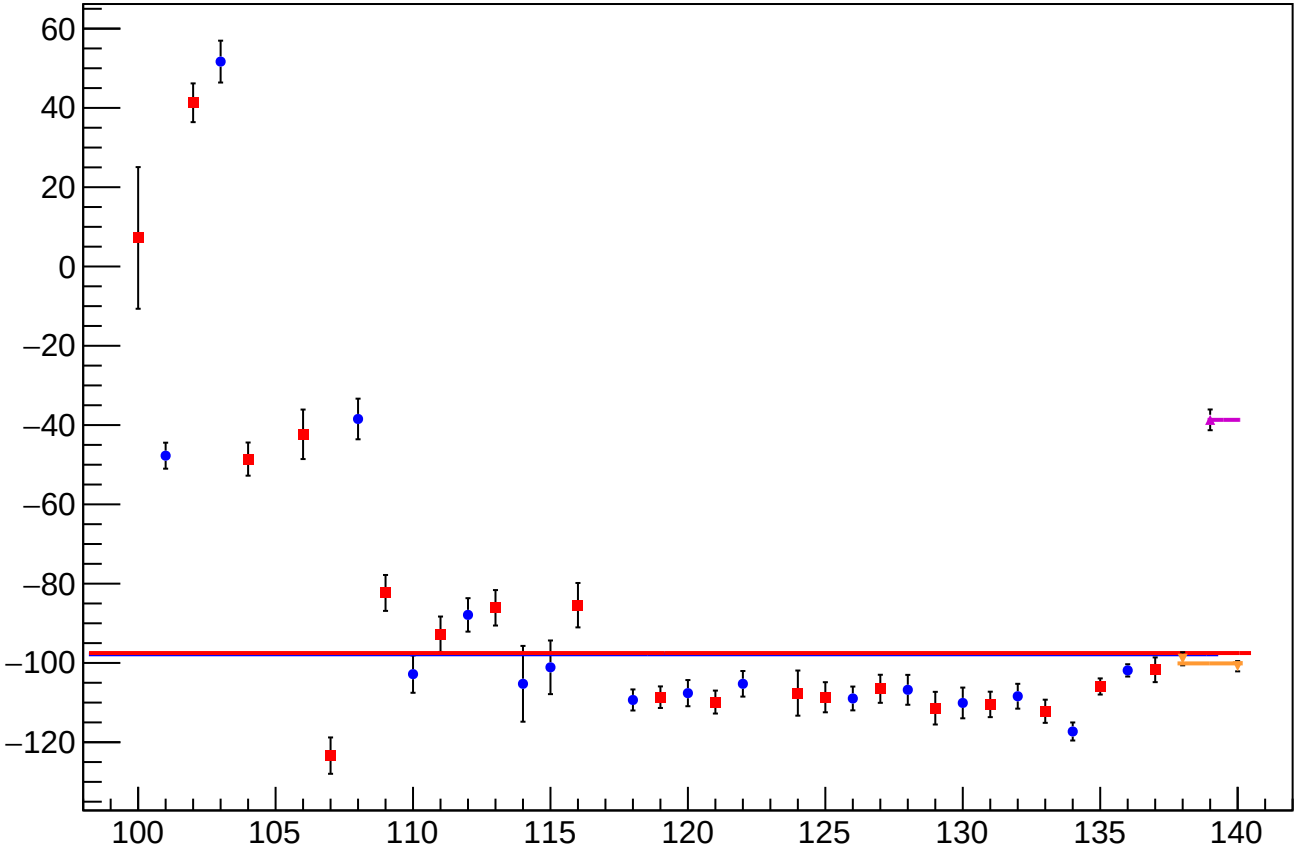
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -120.782+/-0.677 χ^2/NDF:275.7/16

Out: -112.053+/-0.626 χ^2/NDF:792.6/20

All: -116.077+/-0.460 χ^2/NDF: 1157.9/37

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -100.116+/-1.019 χ^2/NDF:0.8/1

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -38.682+/-2.615 χ^2/NDF:0.0/0

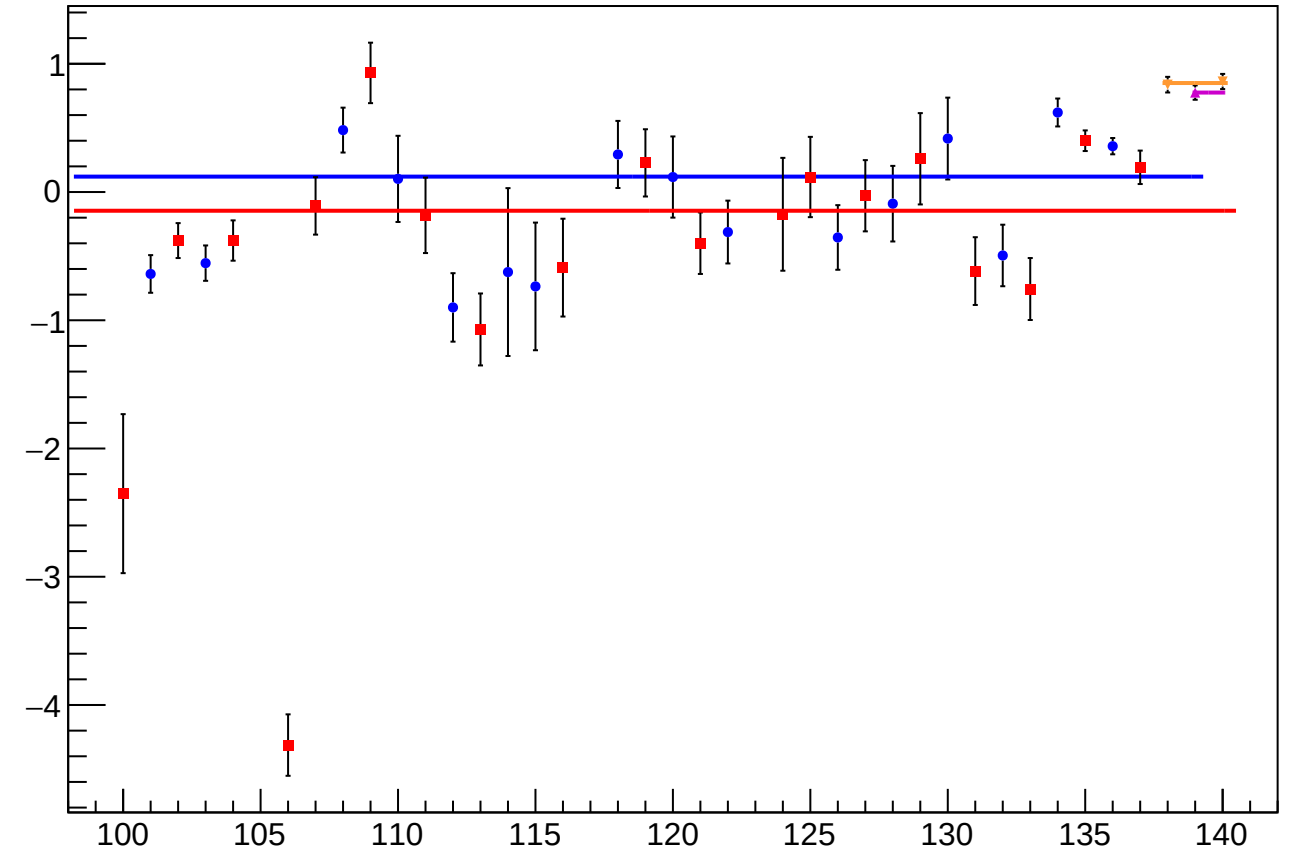
Left: -92.013+/-0.950 χ^2/NDF: 479.8/2

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -92.835+/-0.759 χ^2/NDF:1799.0/16

Out: -98.564+/-0.650 χ^2/NDF:1241.1/20

All: -96.142+/-0.493 χ^2/NDF: 3073.1/37



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.850+/-0.042 χ^2/NDF:0.1/1

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 0.776+/-0.056 χ^2/NDF:0.0/0

Left: 0.823+/-0.034 χ^2/NDF: 1.2/2

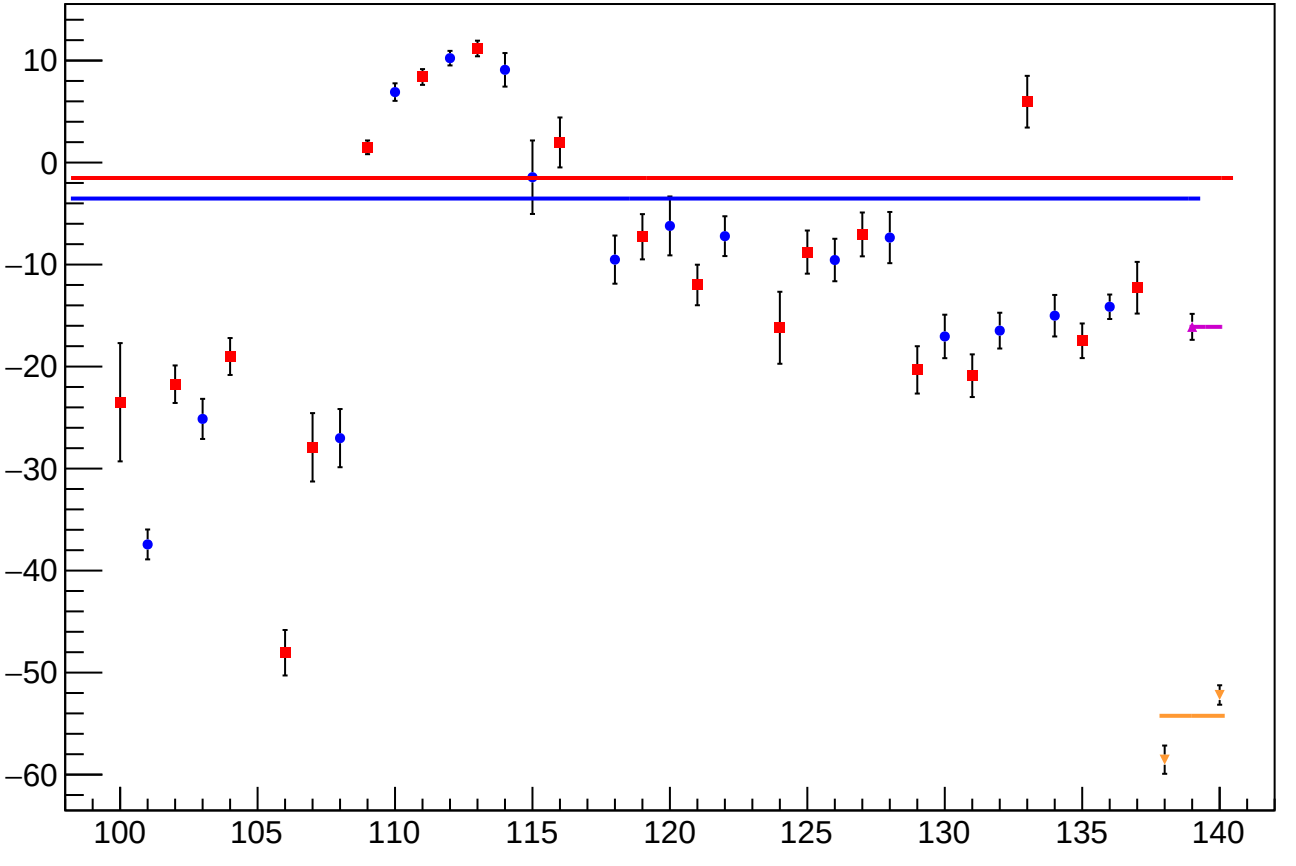
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.350+/-0.033 χ^2/NDF:212.4/16

Out: 0.380+/-0.031 χ^2/NDF:681.0/20

All: 0.366+/-0.023 χ^2/NDF: 893.9/37

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -54.235+/-0.785 χ^2/NDF:14.2/1

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -16.106+/-1.273 χ^2/NDF:0.0/0

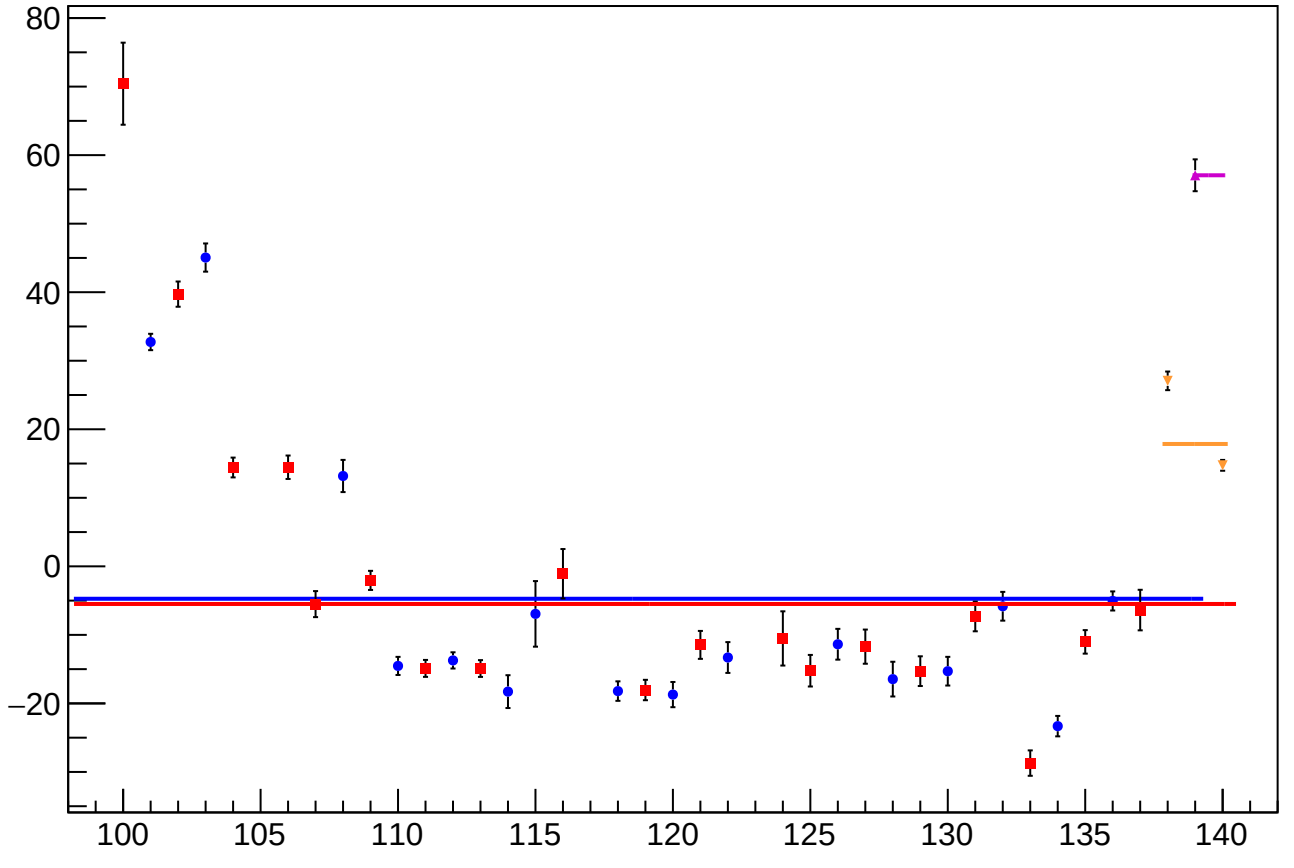
Left: -43.720+/-0.668 χ^2/NDF: 664.3/2

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -4.541+/-0.361 χ^2/NDF:1618.9/16

Out: -9.771+/-0.311 χ^2/NDF:5339.8/20

All: -7.547+/-0.236 χ^2/NDF: 7079.2/37



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: 17.855+/-0.683 χ^2/NDF:61.5/1

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: 57.060+/-2.324 χ^2/NDF:0.0/0

Left: 20.972+/-0.655 χ^2/NDF: 323.4/2

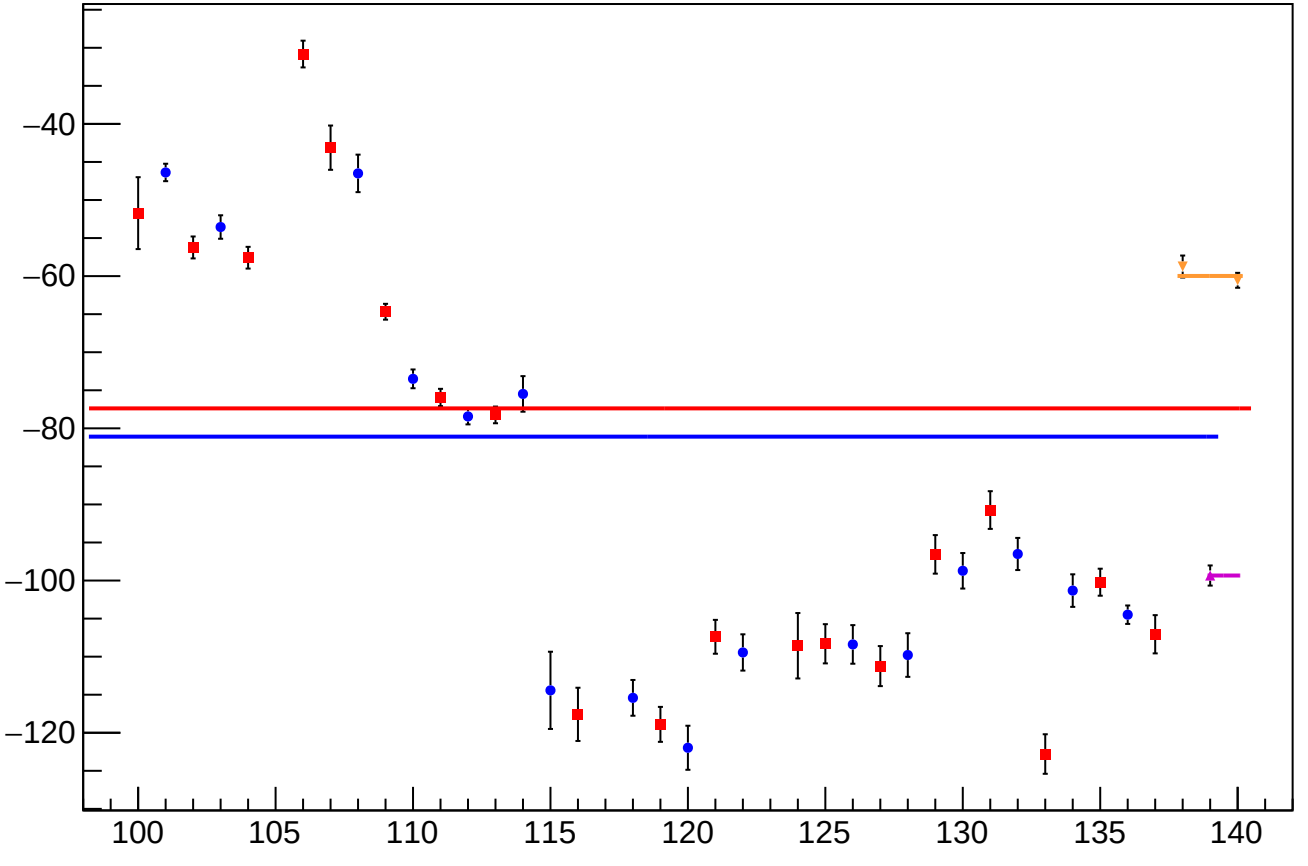
Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -2.677+/-0.424 χ^2/NDF:2831.2/16

Out: 0.960+/-0.359 χ^2/NDF:2415.4/20

All: -0.560+/-0.274 χ^2/NDF: 5289.5/37

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -59.979+/-0.811 χ^2/NDF:1.1/1

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -99.340+/-1.324 χ^2/NDF:0.0/0

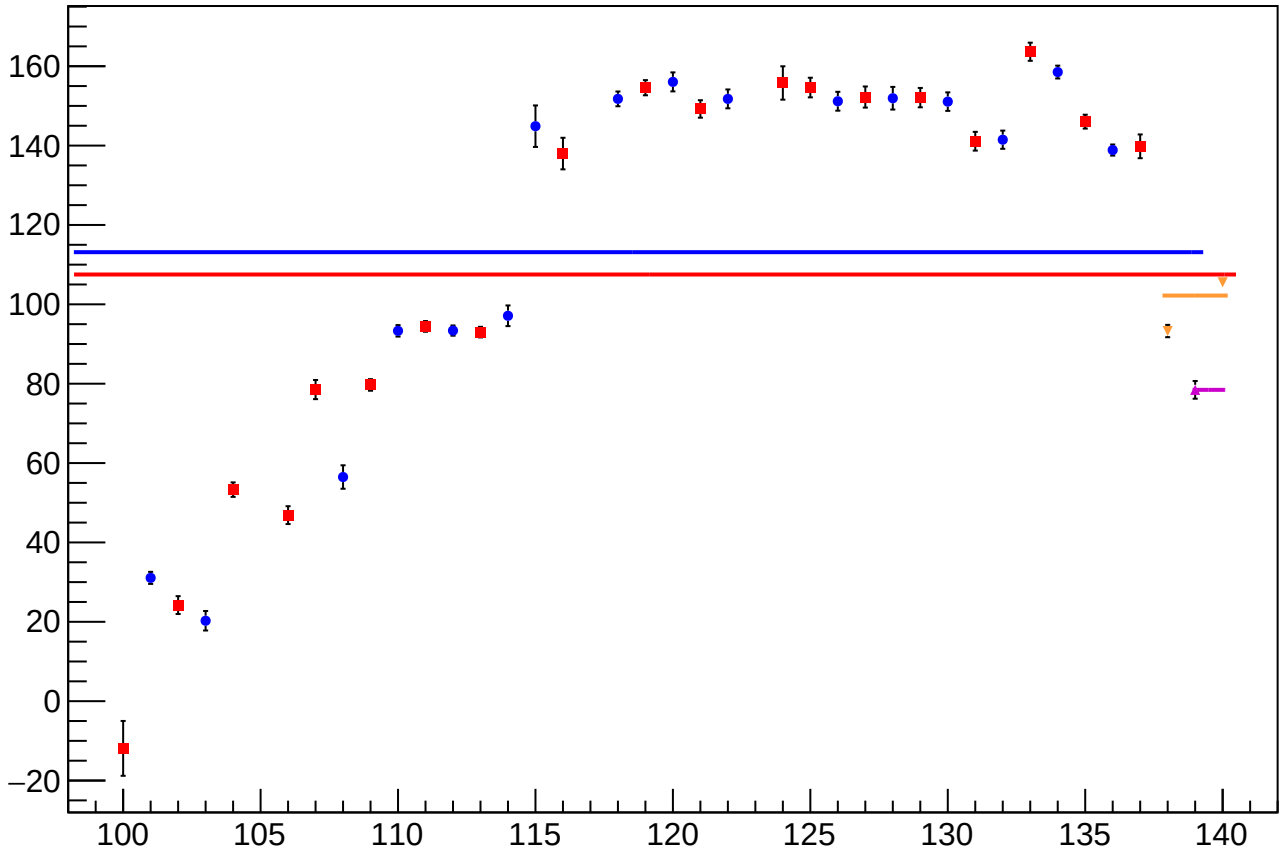
Left: -70.726+/-0.692 χ^2/NDF: 643.6/2

Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -82.894+/-0.416 χ^2/NDF:3041.5/16

Out: -73.746+/-0.371 χ^2/NDF:3494.6/20

All: -77.794+/-0.277 χ^2/NDF: 6805.5/37



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 102.210+/-0.811 χ^2/NDF:45.3/1

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 78.450+/-2.231 χ^2/NDF:0.0/0

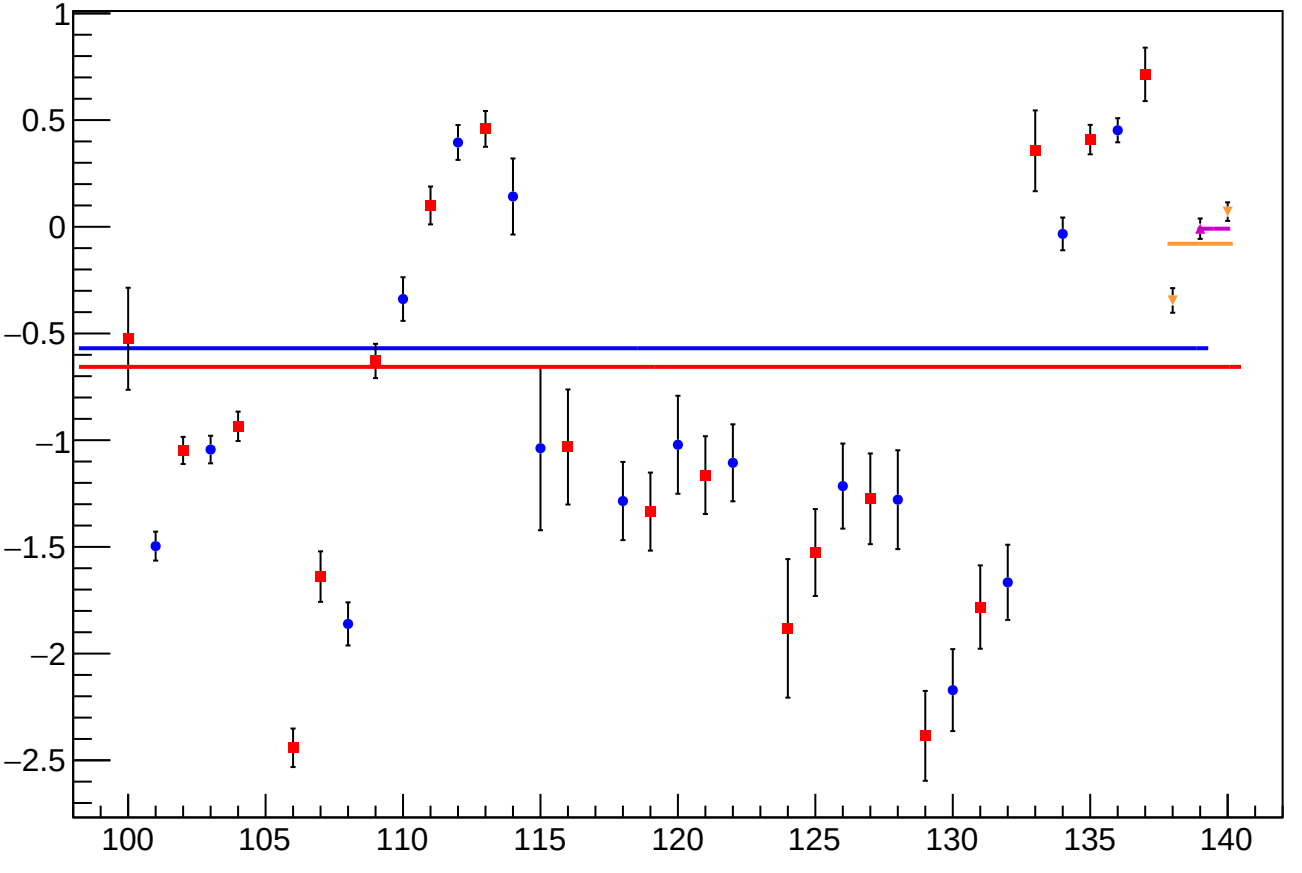
Left: 99.436+/-0.762 χ^2/NDF: 145.5/2

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 111.553+/-0.478 χ^2/NDF:8434.7/16

Out: 106.142+/-0.413 χ^2/NDF:7621.0/20

All: 108.455+/-0.312 χ^2/NDF: 16129.2/37



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.079+/-0.035 χ^2/NDF:33.2/1

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.009+/-0.048 χ^2/NDF:0.0/0

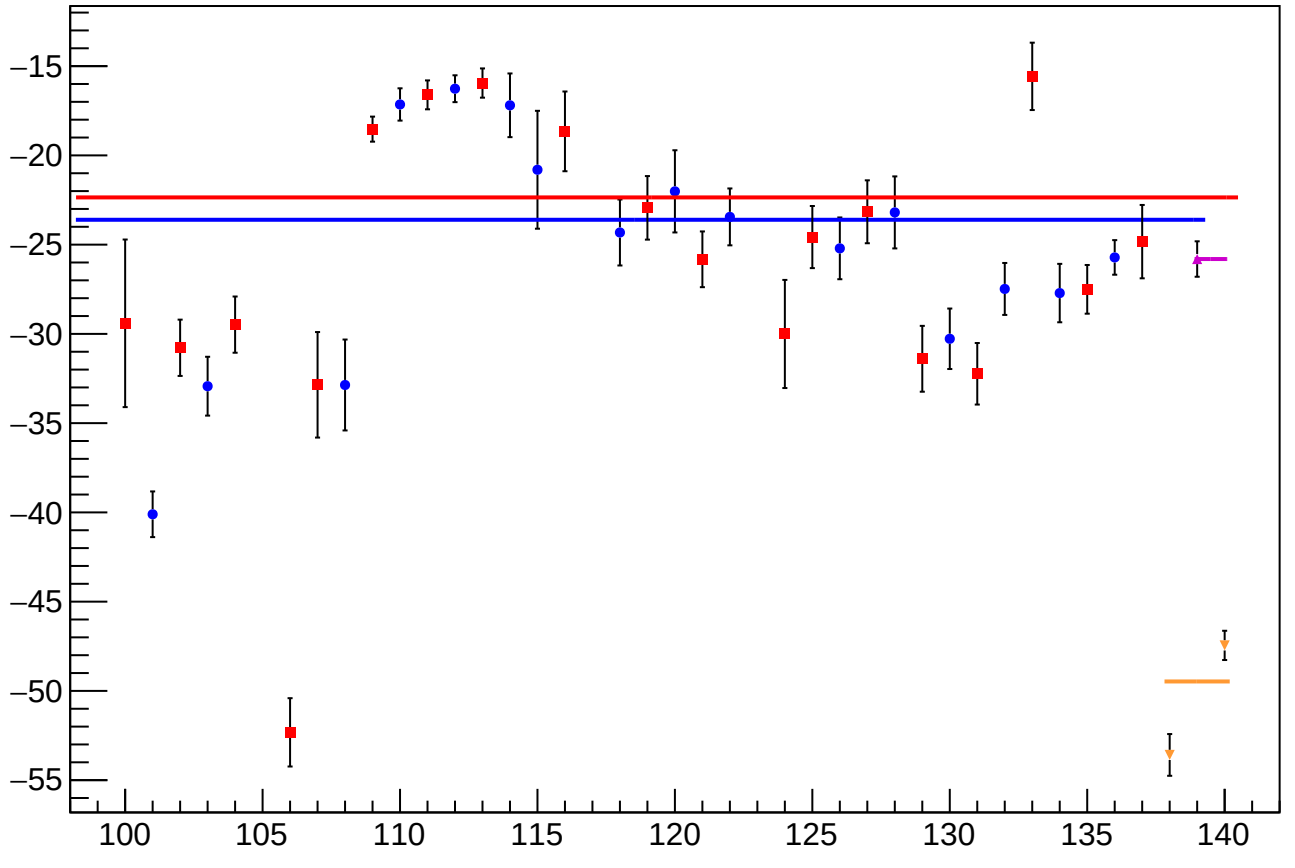
Left: -0.055+/-0.028 χ^2/NDF: 34.6/2

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.443+/-0.023 χ^2/NDF:1203.7/16

Out: -0.457+/-0.020 χ^2/NDF:1529.2/20

All: -0.451+/-0.015 χ^2/NDF: 2733.1/37



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -49.471+/-0.671 χ^2/NDF:18.5/1

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -25.806+/-0.993 χ^2/NDF:0.0/0

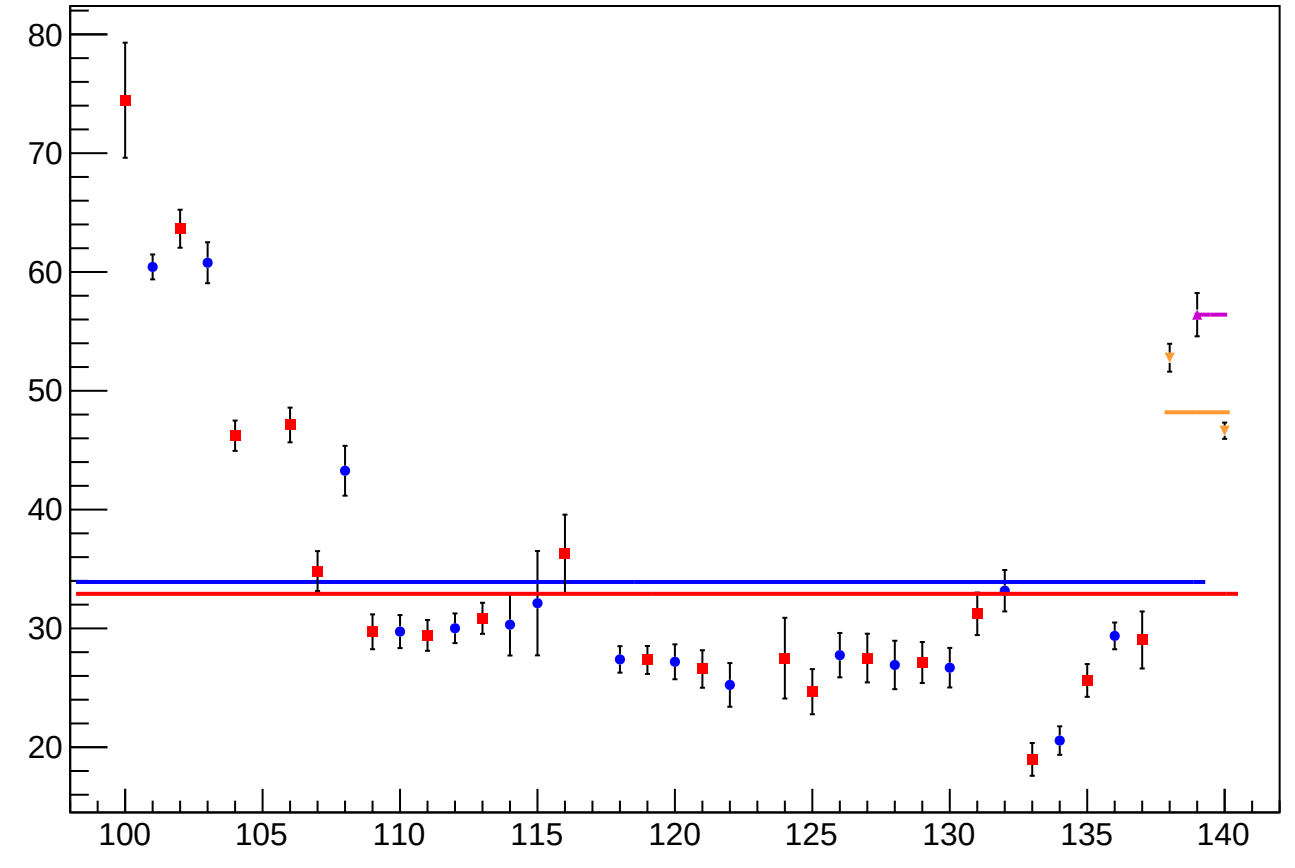
Left: -42.053+/-0.556 χ^2/NDF: 408.4/2

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -23.848+/-0.329 χ^2/NDF:410.8/16

Out: -27.424+/-0.290 χ^2/NDF:1898.1/20

All: -25.858+/-0.218 χ^2/NDF: 2375.4/37



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 48.192+/-0.590 χ^2/NDF:20.5/1

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 56.408+/-1.822 χ^2/NDF:0.0/0

Left: 48.971+/-0.561 χ^2/NDF: 38.9/2

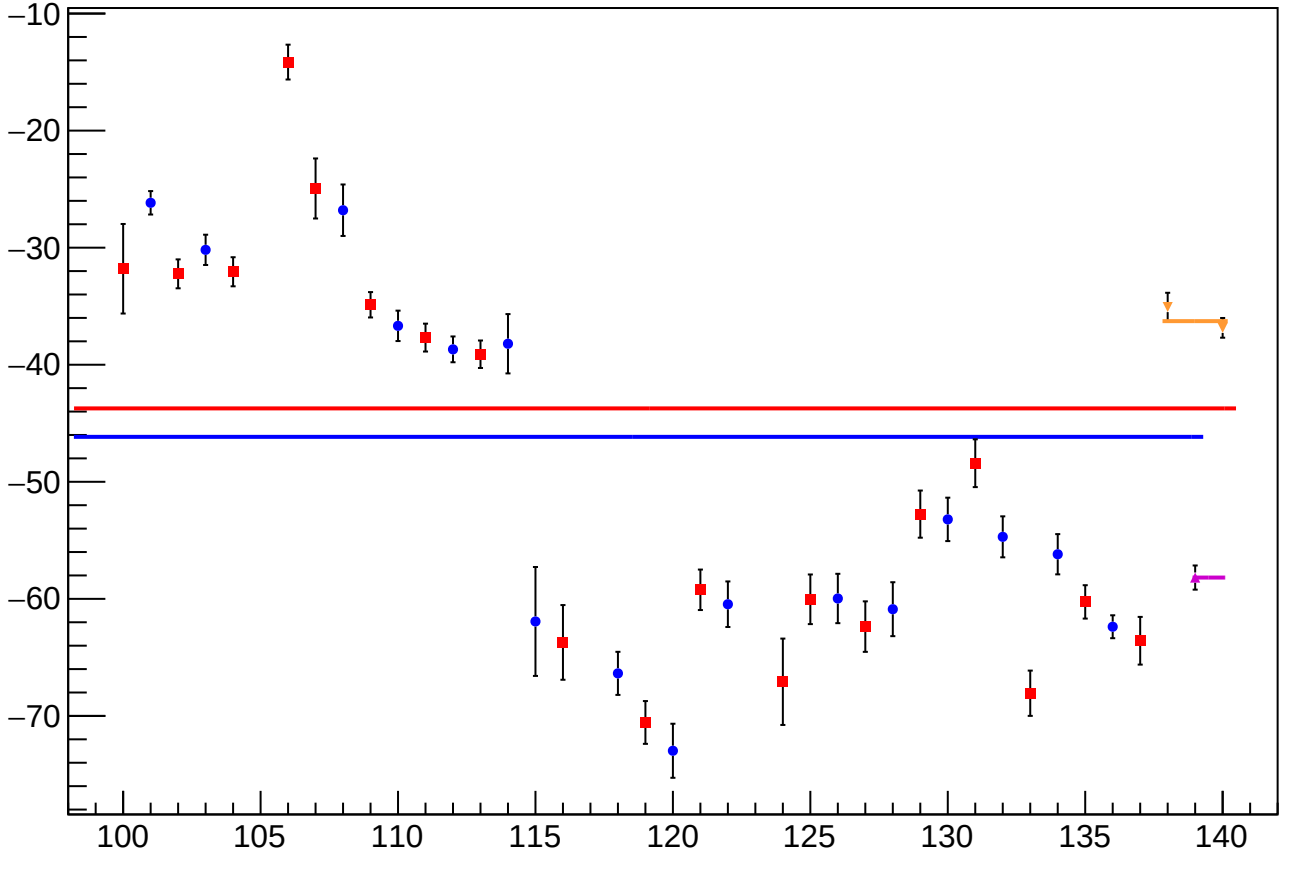
Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 34.825+/-0.368 χ^2/NDF:1330.7/16

Out: 37.271+/-0.315 χ^2/NDF:1375.3/20

All: 36.235+/-0.239 χ^2/NDF: 2731.5/37

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -36.275+/-0.693 χ^2/NDF:1.4/1

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -58.181+/-1.032 χ^2/NDF:0.0/0

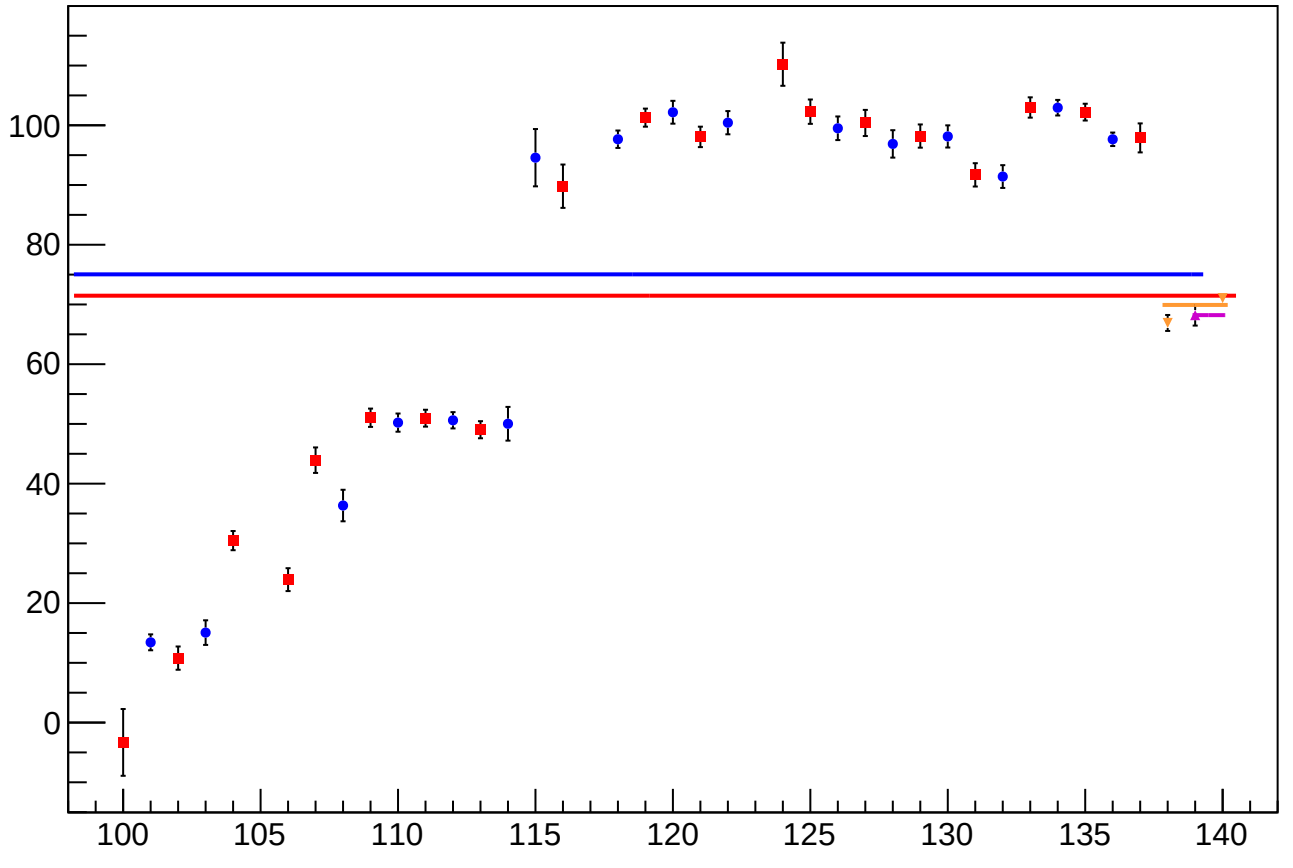
Left: -43.087+/-0.576 χ^2/NDF: 311.7/2

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -47.661+/-0.365 χ^2/NDF:1608.3/16

Out: -42.021+/-0.332 χ^2/NDF:1753.9/20

All: -44.578+/-0.246 χ^2/NDF: 3492.9/37



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 69.921+/-0.698 χ^2/NDF:7.0/1

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 68.215+/-1.750 χ^2/NDF:0.0/0

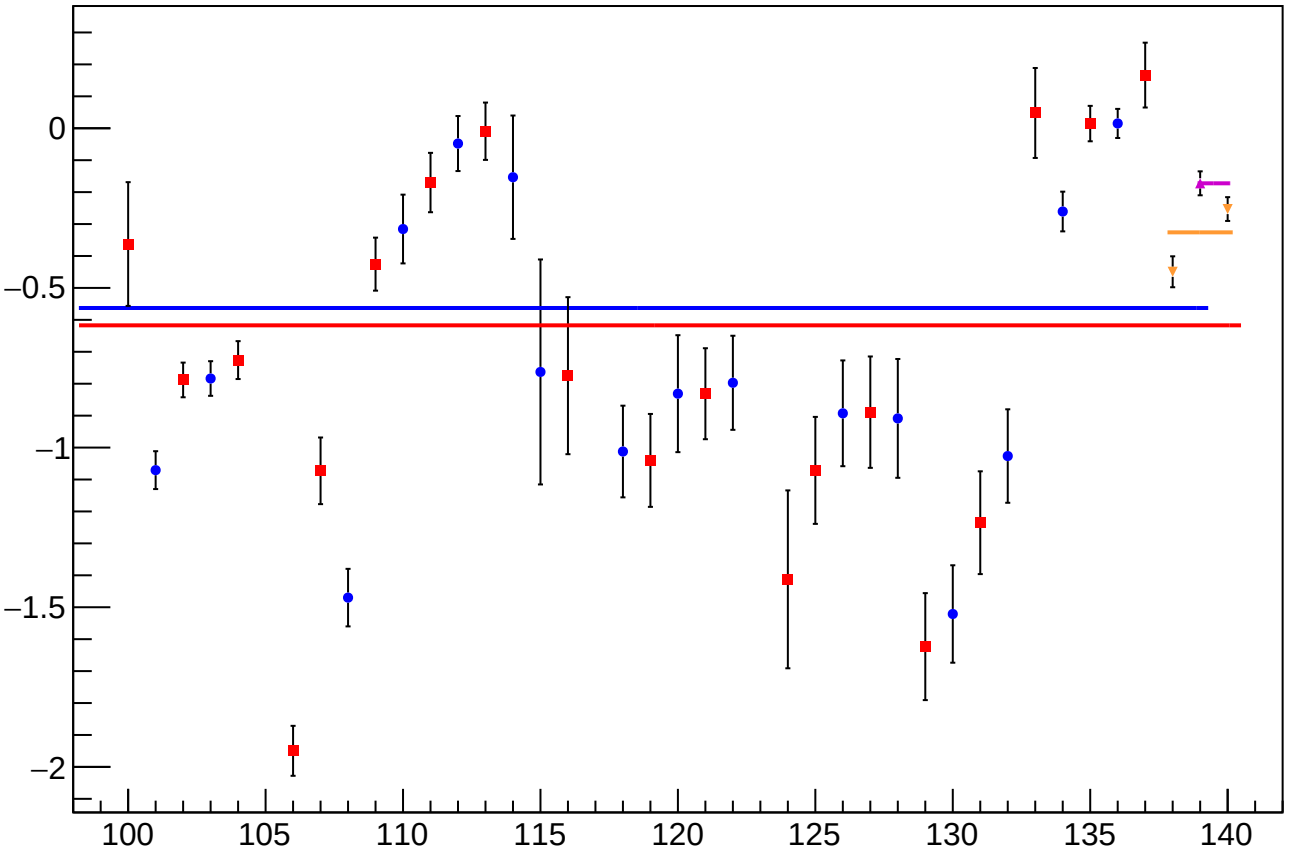
Left: 69.687+/-0.649 χ^2/NDF: 7.8/2

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 74.658+/-0.415 χ^2/NDF:5842.7/16

Out: 71.049+/-0.363 χ^2/NDF:5638.8/20

All: 72.615+/-0.273 χ^2/NDF: 11524.2/37



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.326+/-0.030 χ^2/NDF:10.3/1

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.172+/-0.038 χ^2/NDF:0.0/0

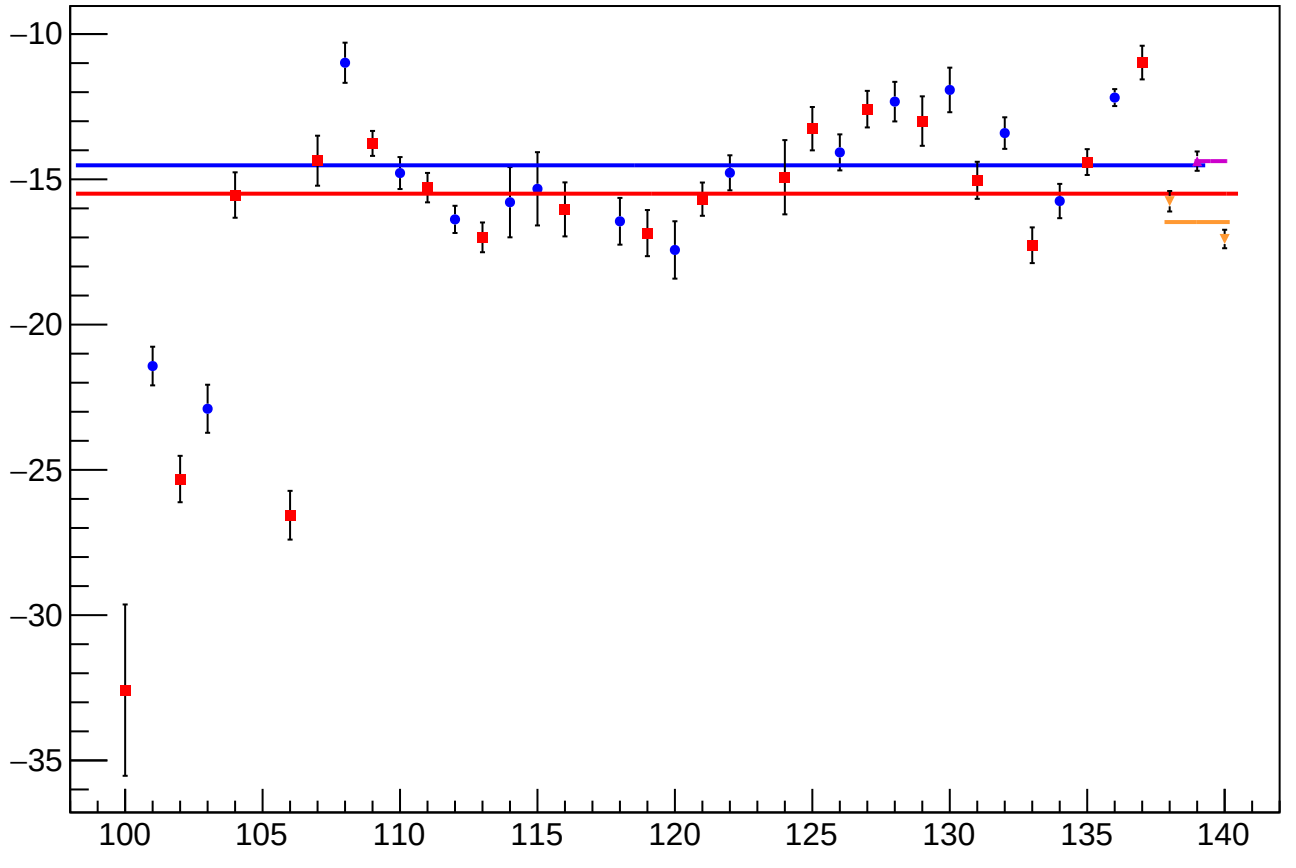
Left: -0.267+/-0.023 χ^2/NDF: 20.7/2

Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.461+/-0.019 χ^2/NDF:573.2/16

Out: -0.512+/-0.018 χ^2/NDF:762.5/20

All: -0.489+/-0.013 χ^2/NDF: 1339.5/37



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -16.471+/-0.236 χ^2/NDF:7.5/1

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.374+/-0.333 χ^2/NDF:0.0/0

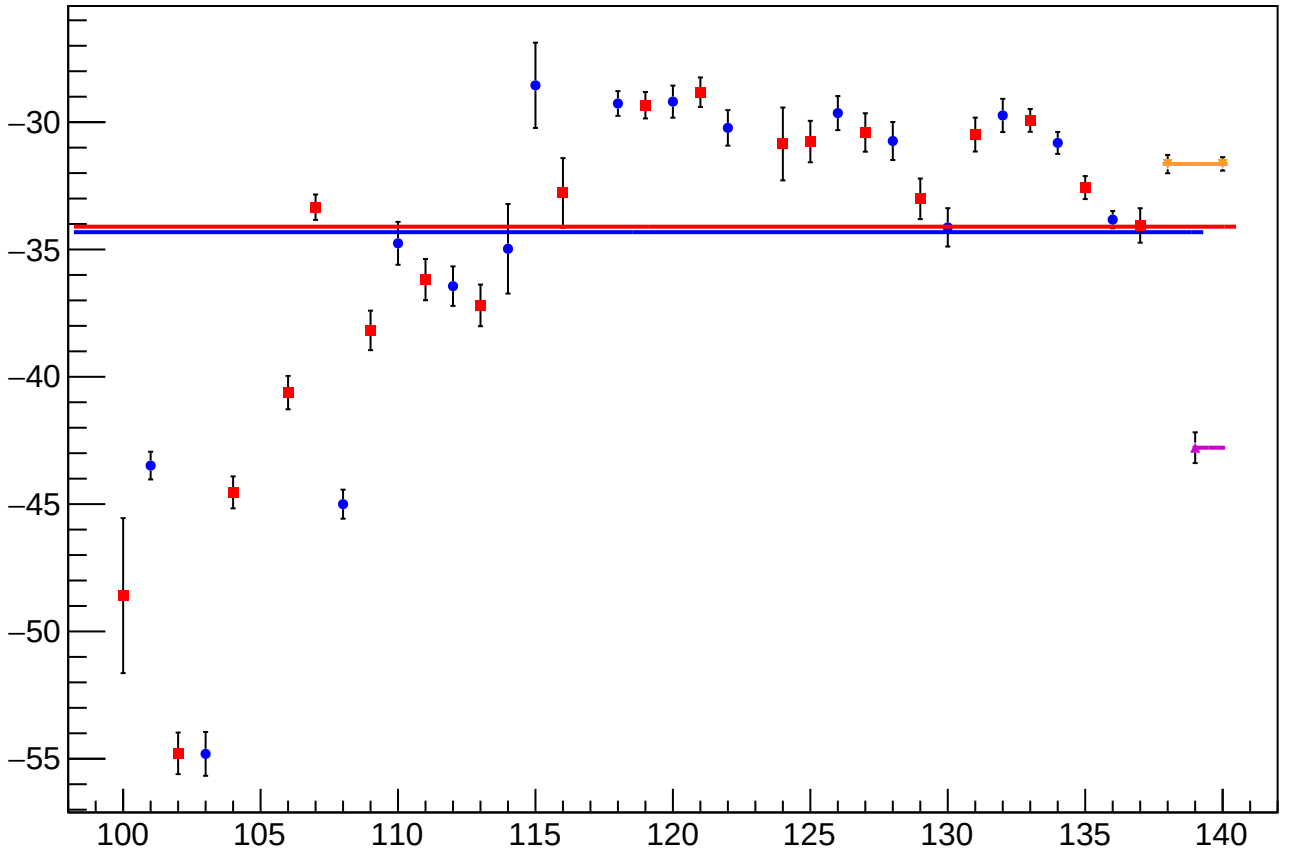
Left: -15.768+/-0.193 χ^2/NDF: 33.9/2

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.493+/-0.136 χ^2/NDF:363.5/16

Out: -15.775+/-0.127 χ^2/NDF:523.5/20

All: -15.182+/-0.093 χ^2/NDF: 934.5/37



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.642+/-0.213 χ^2/NDF:0.0/1

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -42.784+/-0.604 χ^2/NDF:0.0/0

Left: -32.876+/-0.201 χ^2/NDF: 302.3/2

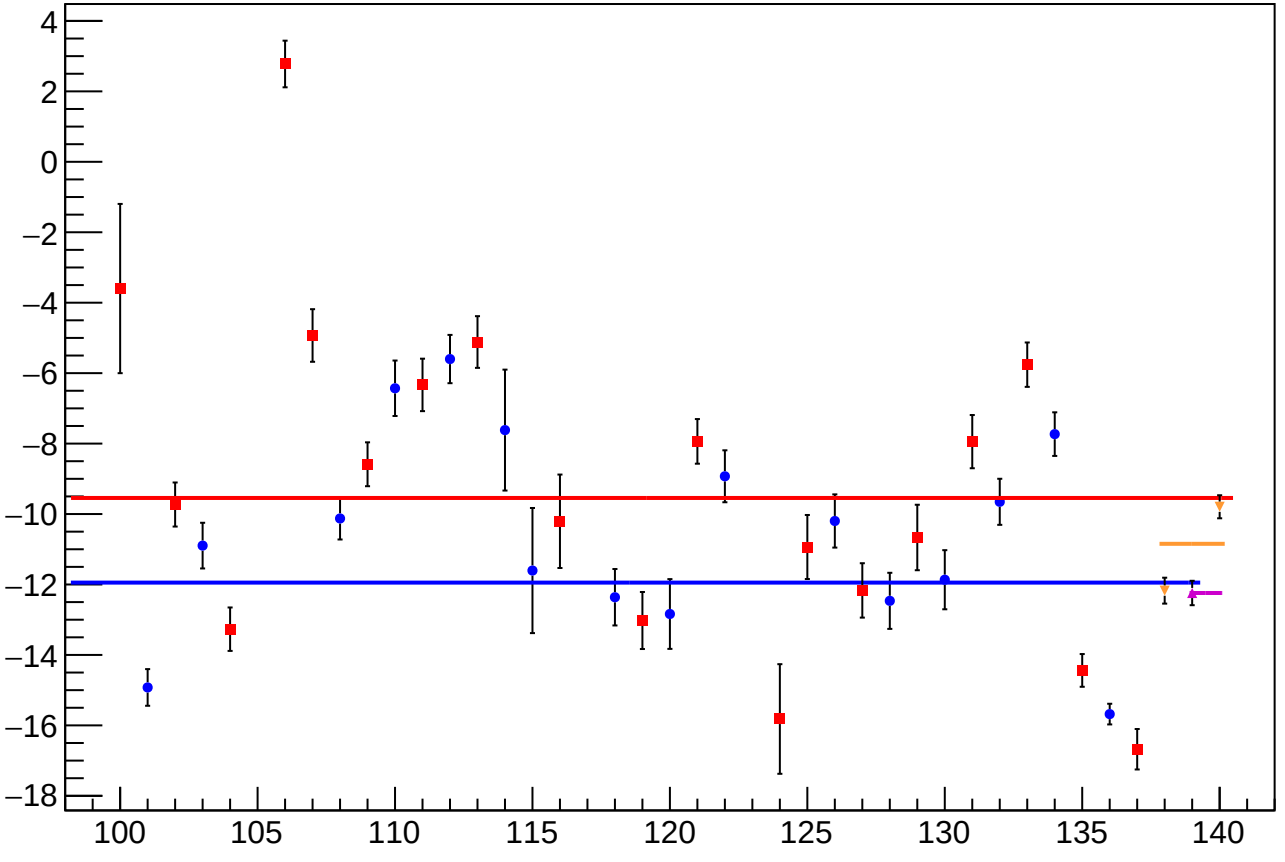
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -34.832+/-0.149 χ^2/NDF:1804.8/16

Out: -33.259+/-0.125 χ^2/NDF:1522.3/20

All: -33.910+/-0.096 χ^2/NDF: 3392.9/37

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -10.845+/-0.244 χ^2/NDF:23.4/1

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -12.241+/-0.346 χ^2/NDF:0.0/0

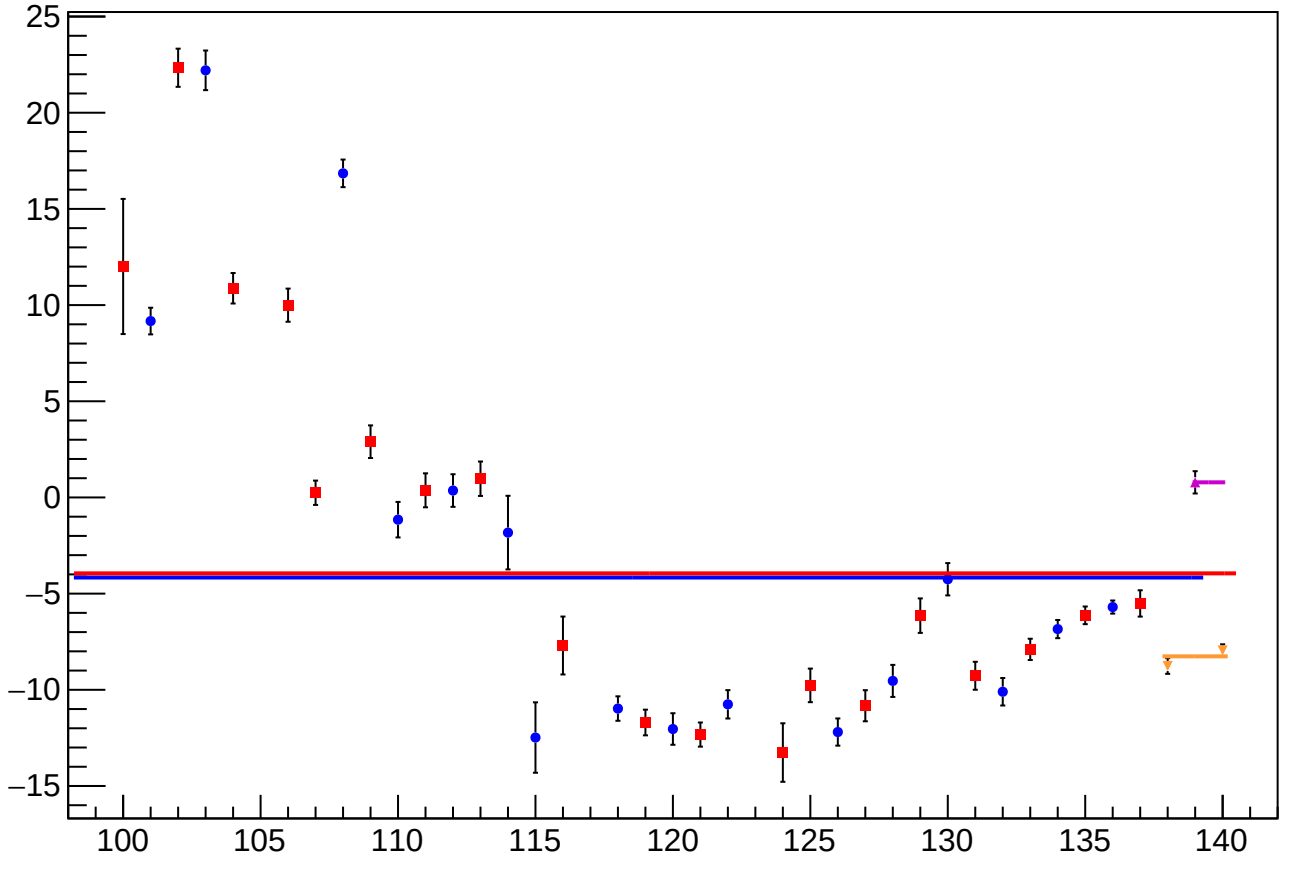
Left: -11.309+/-0.200 χ^2/NDF: 34.3/2

Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -11.998+/-0.145 χ^2/NDF:430.6/16

Out: -9.952+/-0.137 χ^2/NDF:890.0/20

All: -10.914+/-0.100 χ^2/NDF: 1425.7/37



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.261+/-0.251 χ^2/NDF:2.5/1

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: 0.786+/-0.580 χ^2/NDF:0.0/0

Left: -6.836+/-0.230 χ^2/NDF: 207.5/2

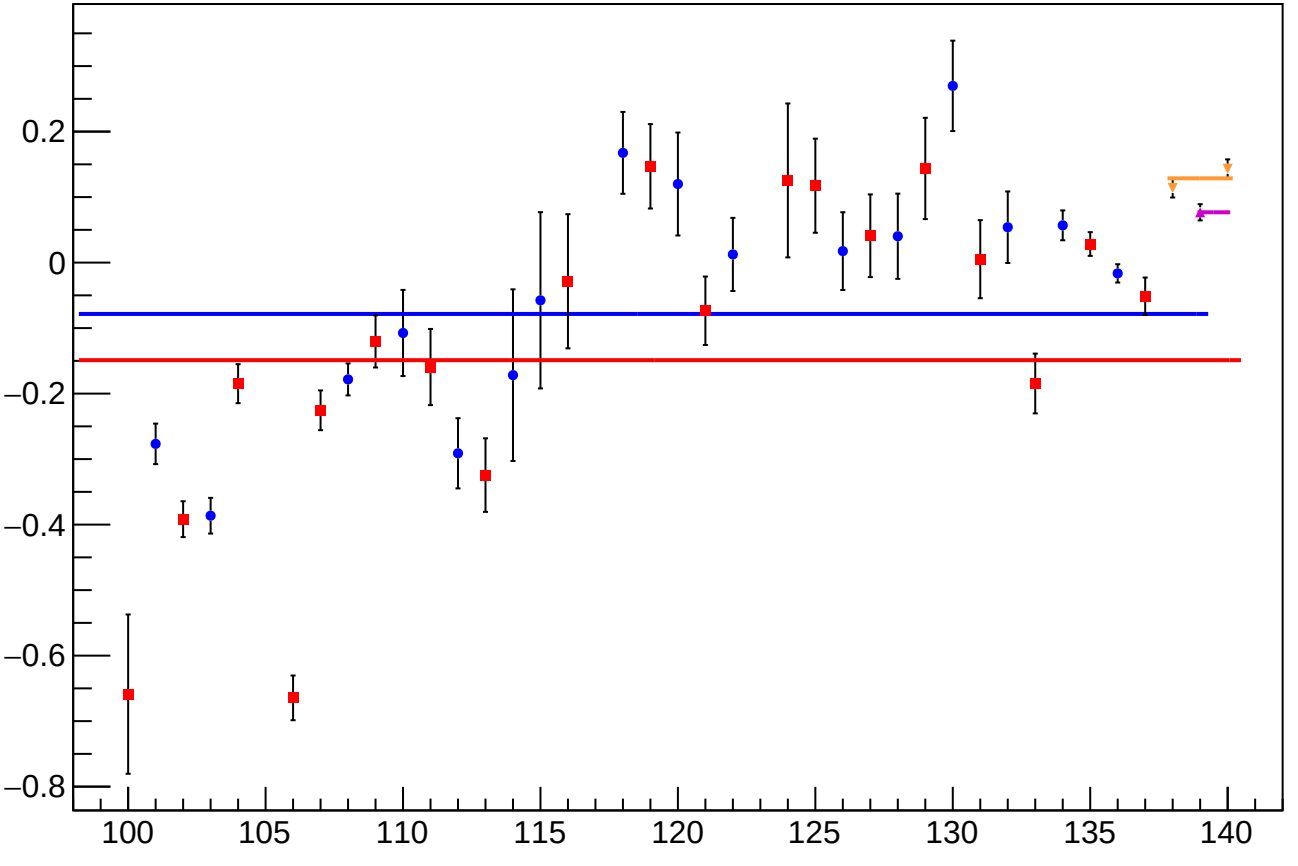
Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -3.763+/-0.165 χ^2/NDF:2591.9/16

Out: -5.371+/-0.144 χ^2/NDF:2311.0/20

All: -4.675+/-0.108 χ^2/NDF: 4956.9/37

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.129+/-0.010 χ^2/NDF:2.0/1

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.077+/-0.012 χ^2/NDF:0.0/0

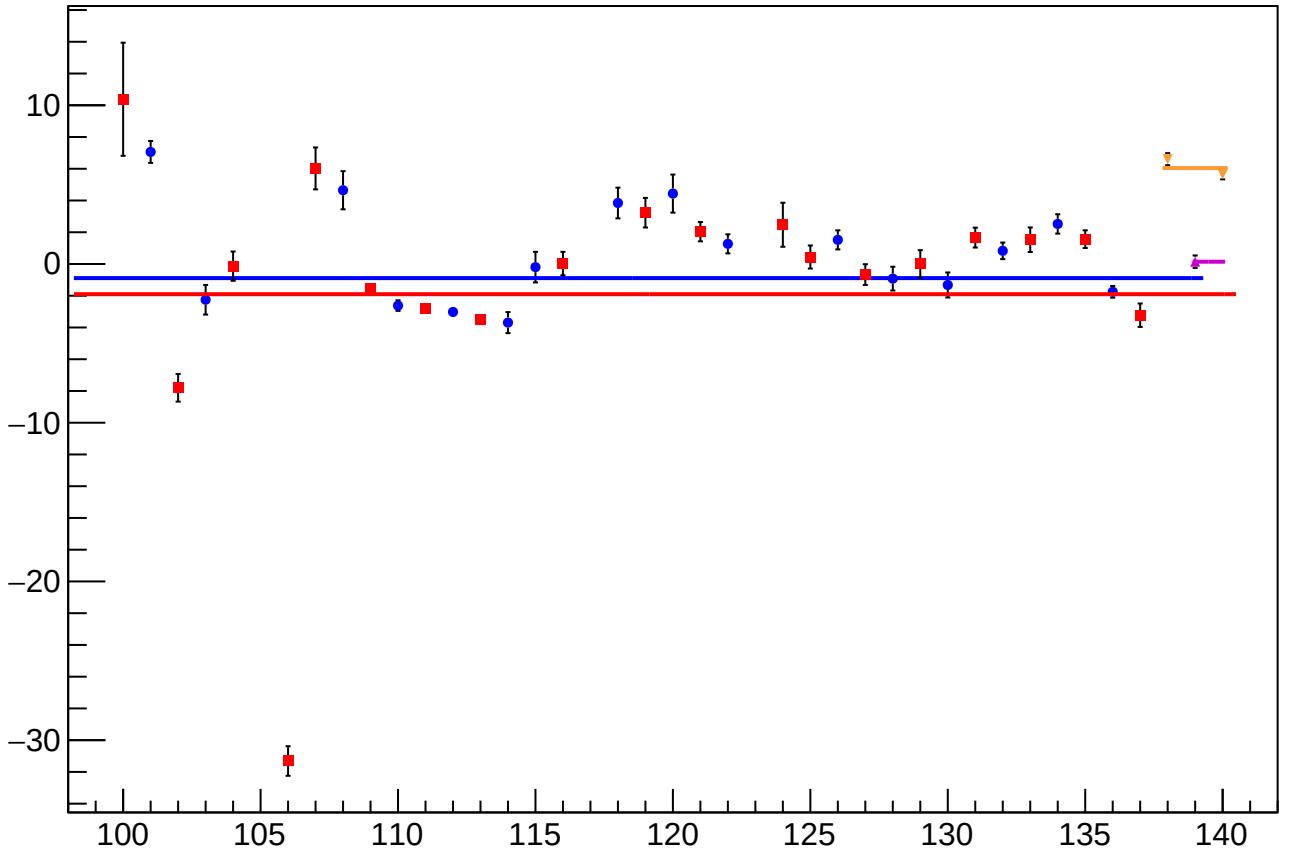
Left: 0.108+/-0.008 χ^2/NDF: 12.4/2

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: -0.028+/-0.007 χ^2/NDF:424.5/16

Out: -0.027+/-0.007 χ^2/NDF:937.6/20

All: -0.028+/-0.005 χ^2/NDF: 1362.1/37



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 6.043+/-0.246 χ^2/NDF:3.6/1

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 0.145+/-0.394 χ^2/NDF:0.0/0

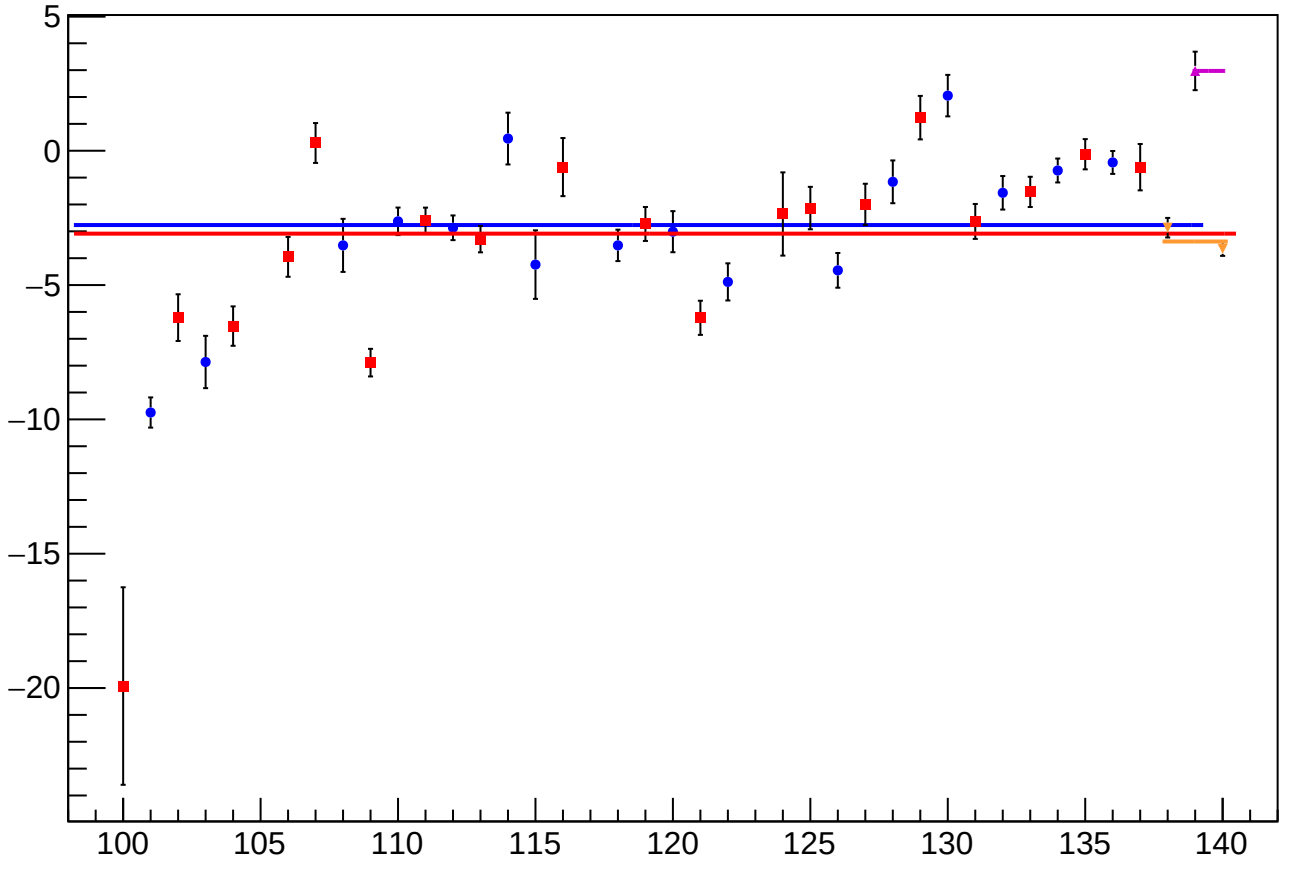
Left: 4.387+/-0.209 χ^2/NDF: 165.1/2

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: -0.778+/-0.129 χ^2/NDF:386.4/16

Out: -0.202+/-0.114 χ^2/NDF:2155.8/20

All: -0.454+/-0.085 χ^2/NDF: 2553.5/37



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -3.379+/-0.214 χ^2/NDF:3.0/1

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: 2.971+/-0.716 χ^2/NDF:0.0/0

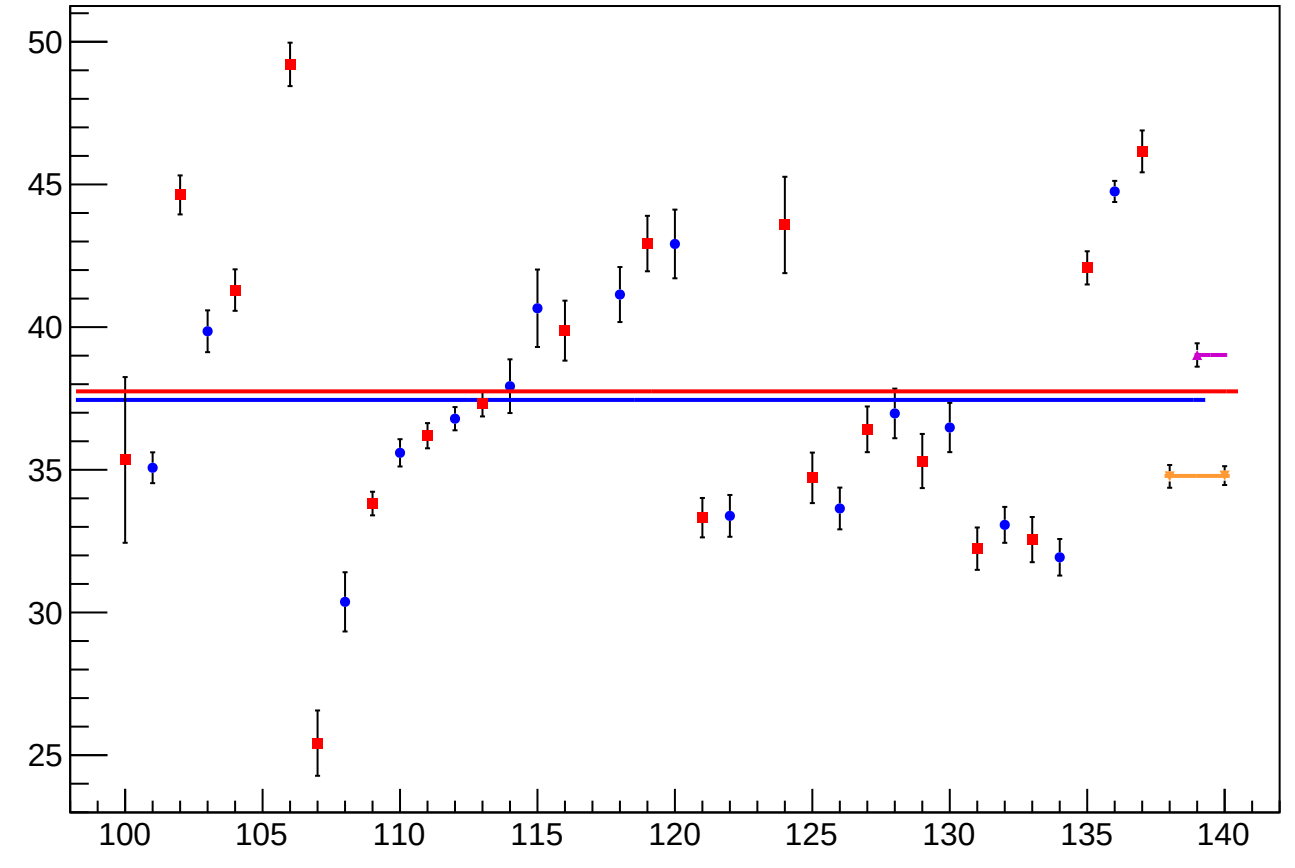
Left: -2.858+/-0.205 χ^2/NDF: 75.2/2

Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -2.505+/-0.153 χ^2/NDF:371.3/16

Out: -3.189+/-0.127 χ^2/NDF:276.7/20

All: -2.910+/-0.098 χ^2/NDF: 659.9/37



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 34.786+/-0.254 χ^2/NDF:0.0/1

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 39.024+/-0.410 χ^2/NDF:0.0/0

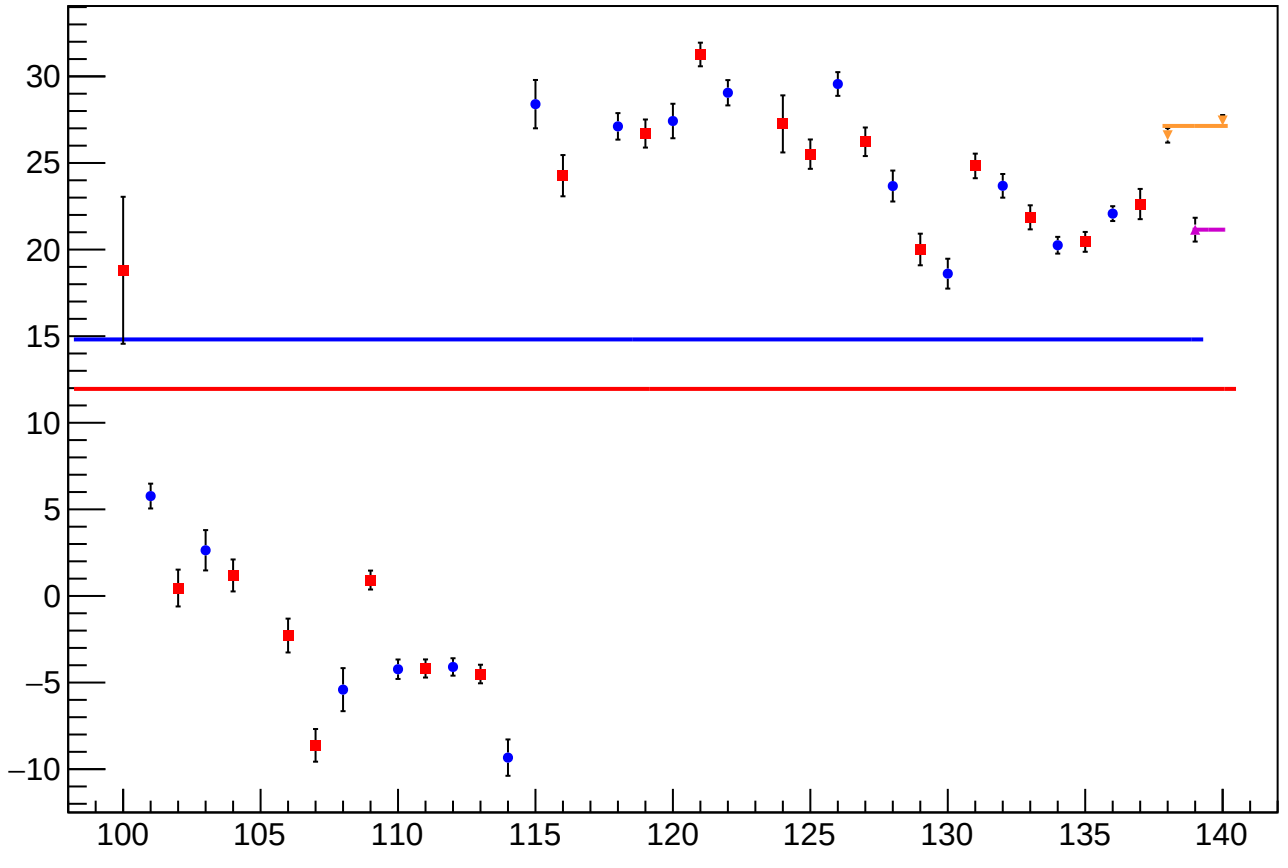
Left: 35.965+/-0.216 χ^2/NDF: 77.2/2

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 37.659+/-0.150 χ^2/NDF:719.8/16

Out: 36.913+/-0.135 χ^2/NDF:1061.0/20

All: 37.248+/-0.100 χ^2/NDF: 1794.5/37



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 27.139+/-0.254 χ^2/NDF:2.6/1

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 21.149+/-0.688 χ^2/NDF:0.0/0

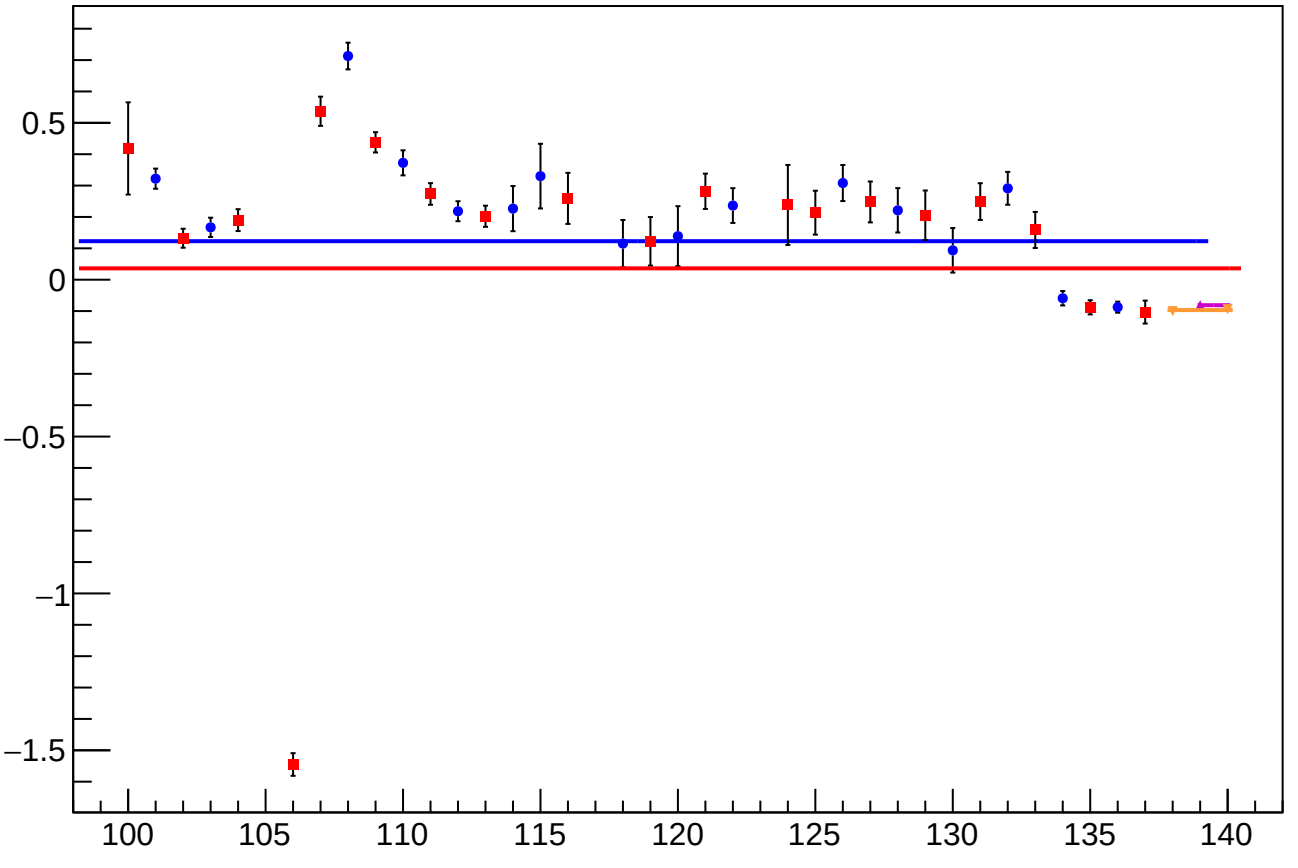
Left: 26.420+/-0.238 χ^2/NDF: 69.4/2

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 15.193+/-0.169 χ^2/NDF:5766.2/16

Out: 16.911+/-0.145 χ^2/NDF:8514.9/20

All: 16.180+/-0.110 χ^2/NDF: 14340.8/37



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.097+/-0.011 χ^2/NDF:0.1/1

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.081+/-0.015 χ^2/NDF:0.0/0

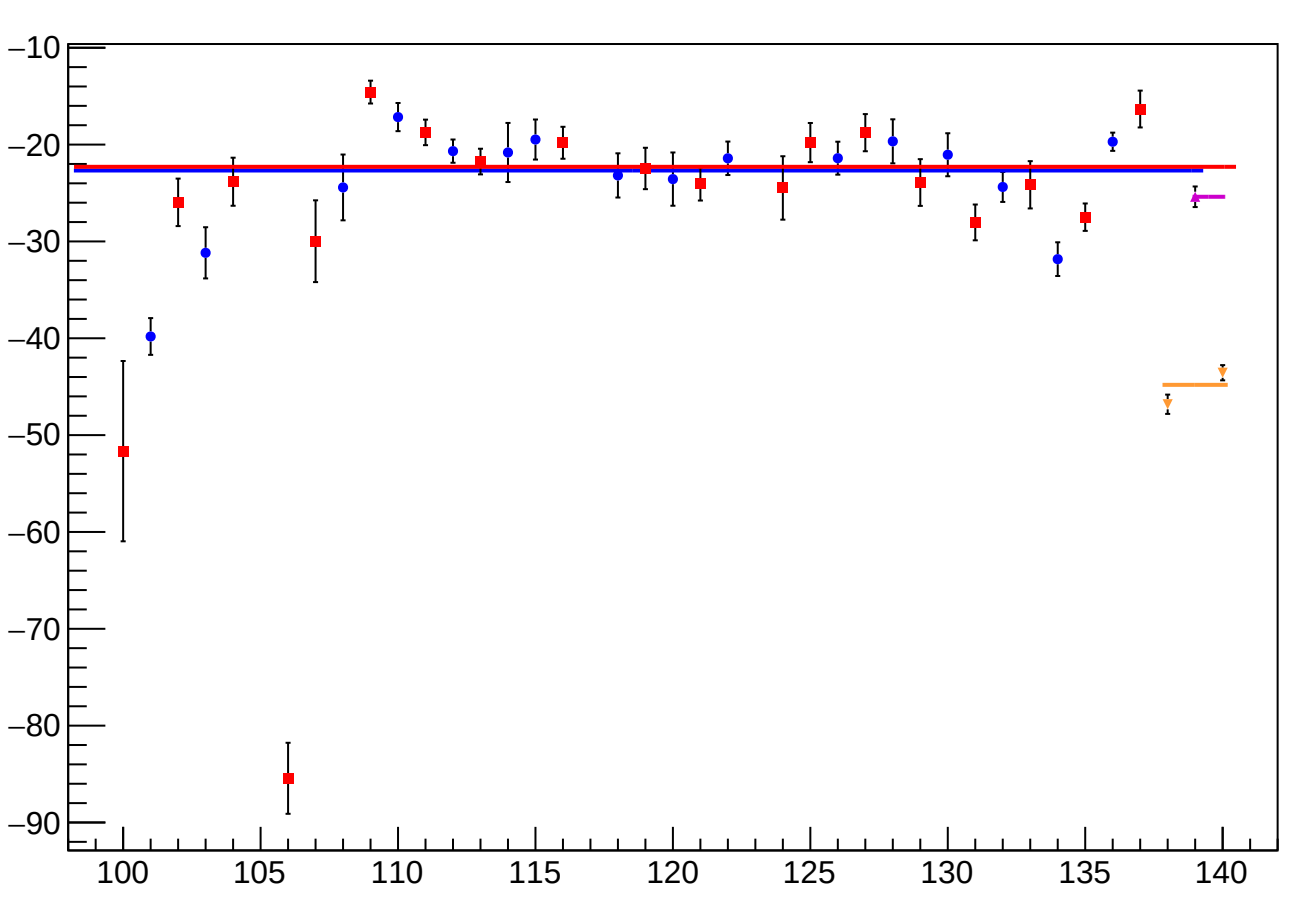
Left: -0.091+/-0.009 χ^2/NDF: 0.8/2

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: 0.064+/-0.008 χ^2/NDF:656.3/16

Out: -0.023+/-0.007 χ^2/NDF:2497.7/20

All: 0.016+/-0.005 χ^2/NDF: 3219.7/37



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -44.809+/-0.617 χ^2/NDF:6.6/1

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -25.388+/-1.063 χ^2/NDF:0.0/0

Left: -39.910+/-0.534 χ^2/NDF: 256.1/2

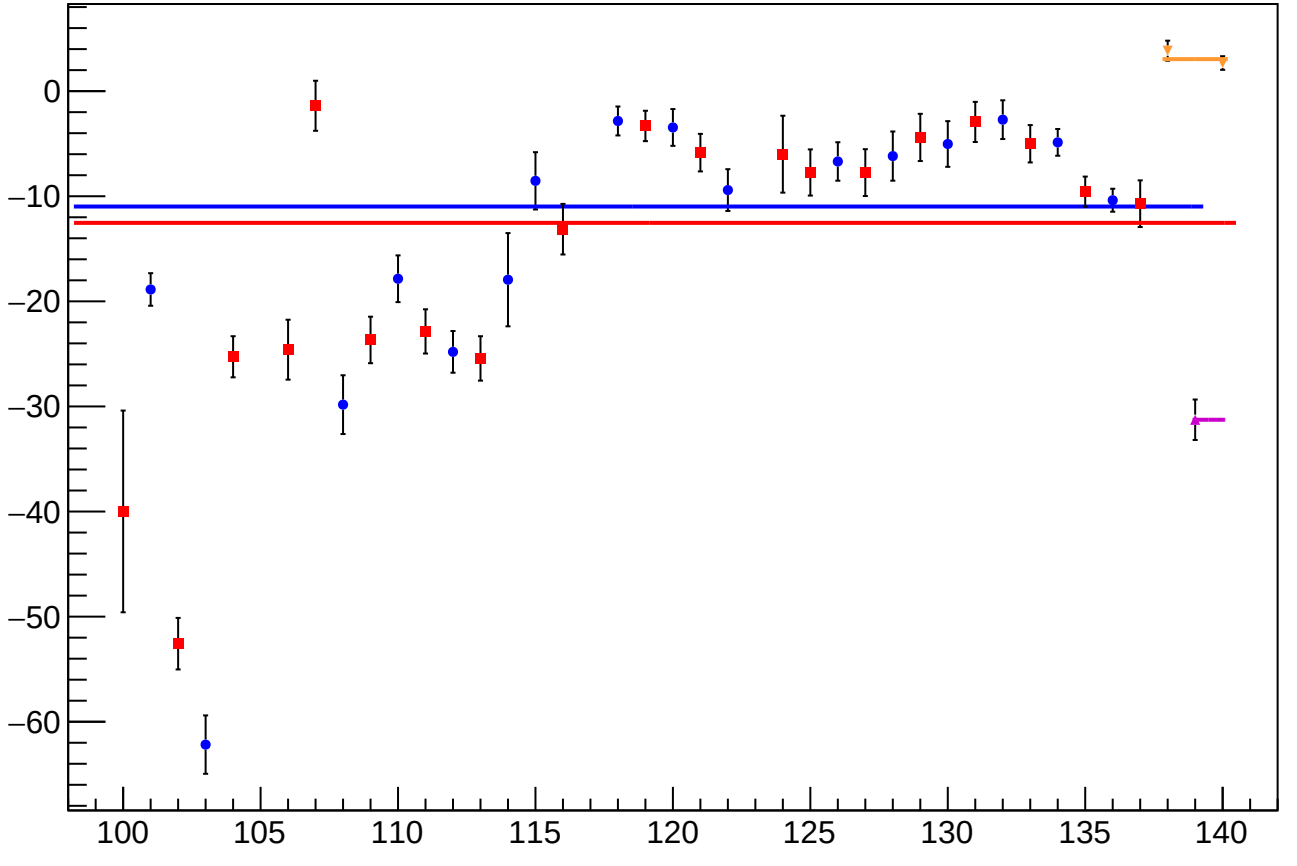
Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -23.063+/-0.402 χ^2/NDF:160.0/16

Out: -29.766+/-0.356 χ^2/NDF:1300.3/20

All: -26.825+/-0.266 χ^2/NDF: 1616.2/37

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: 3.048+/-0.536 χ^2/NDF:1.0/1

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -31.266+/-1.926 χ^2/NDF:0.0/0

Left: 0.582+/-0.516 χ^2/NDF: 295.8/2

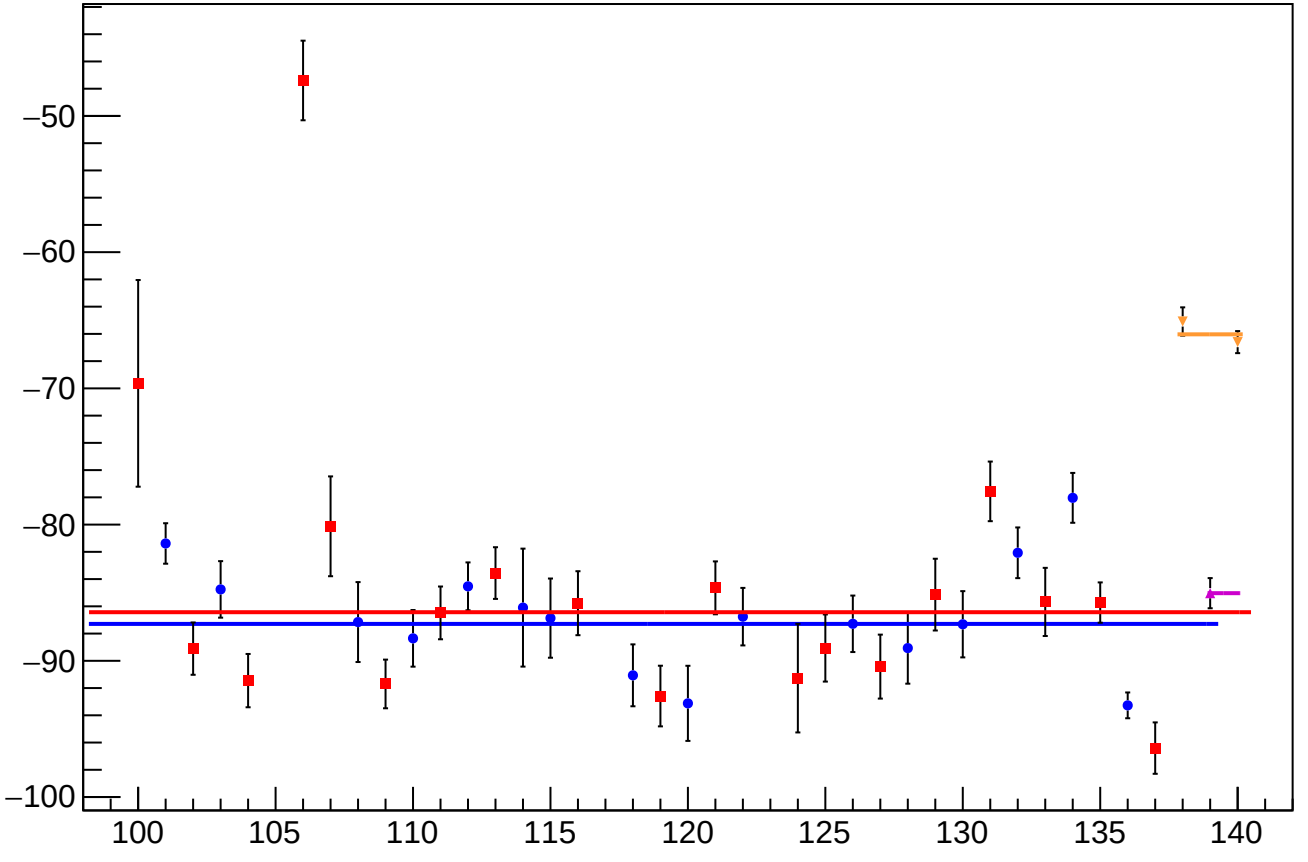
Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -12.043+/-0.441 χ^2/NDF:692.5/16

Out: -5.580+/-0.358 χ^2/NDF:1041.4/20

All: -8.145+/-0.278 χ^2/NDF: 1863.3/37

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -66.032+/-0.638 χ^2/NDF:1.3/1

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -85.034+/-1.107 χ^2/NDF:0.0/0

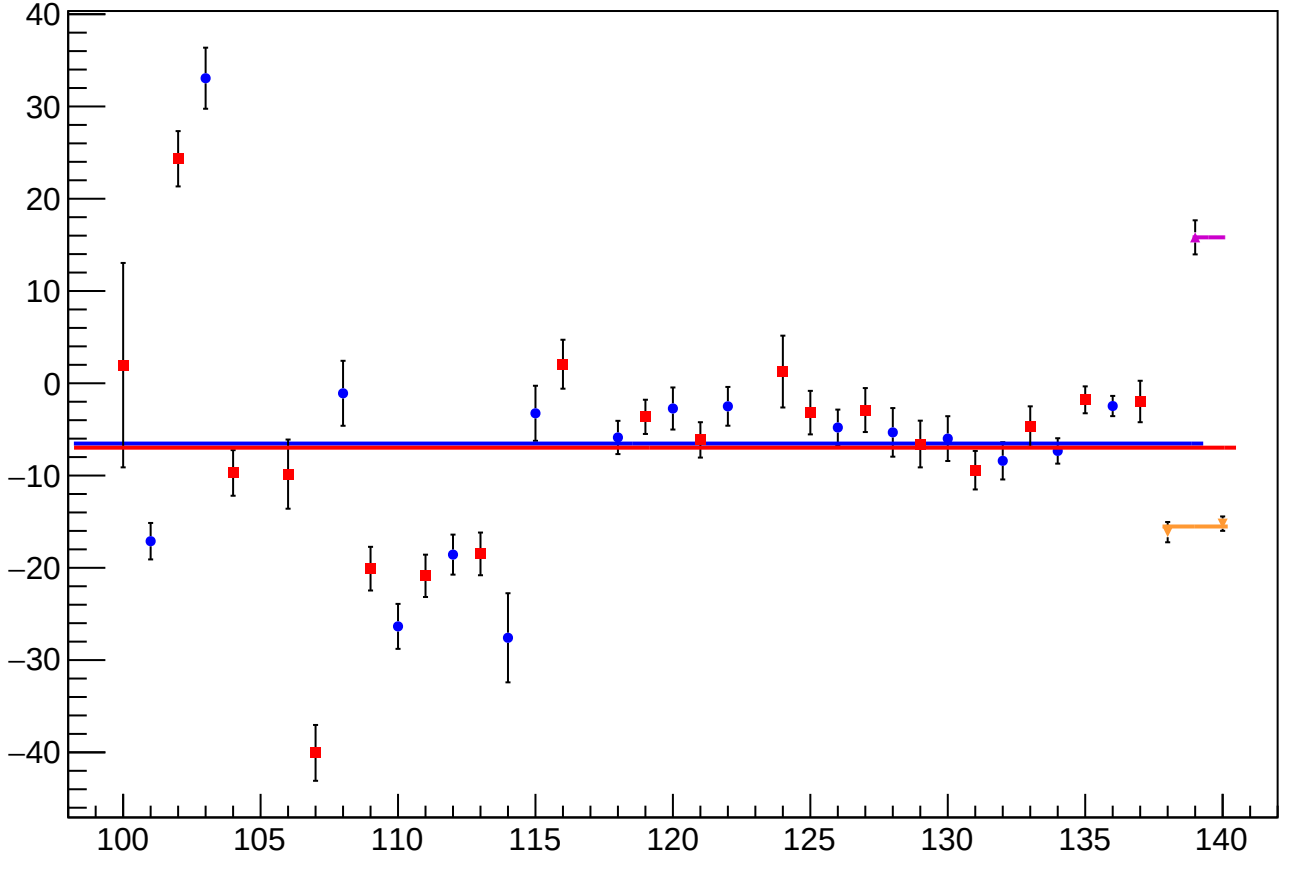
Left: -70.772+/-0.553 χ^2/NDF: 222.3/2

Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -86.933+/-0.441 χ^2/NDF:104.7/16

Out: -78.561+/-0.397 χ^2/NDF:893.4/20

All: -82.305+/-0.295 χ^2/NDF: 1197.4/37



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -15.522+/-0.637 χ^2/NDF:0.5/1

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: 15.815+/-1.847 χ^2/NDF:0.0/0

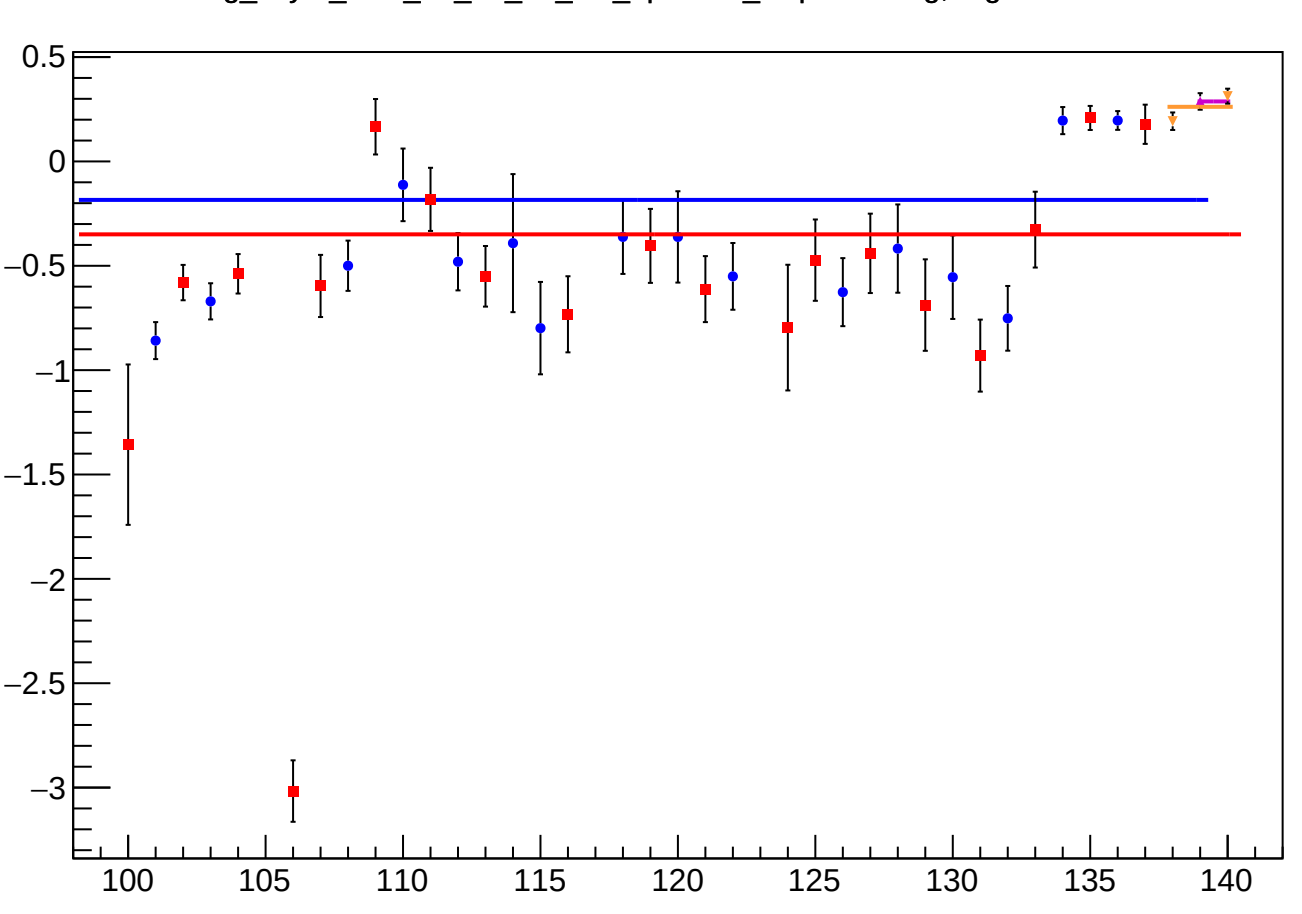
Left: -12.195+/-0.602 χ^2/NDF: 257.7/2

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -4.965+/-0.490 χ^2/NDF:450.0/16

Out: -10.567+/-0.413 χ^2/NDF:473.3/20

All: -8.241+/-0.316 χ^2/NDF: 999.8/37



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.262+/-0.027 χ^2/NDF:4.7/1

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.287+/-0.040 χ^2/NDF:0.0/0

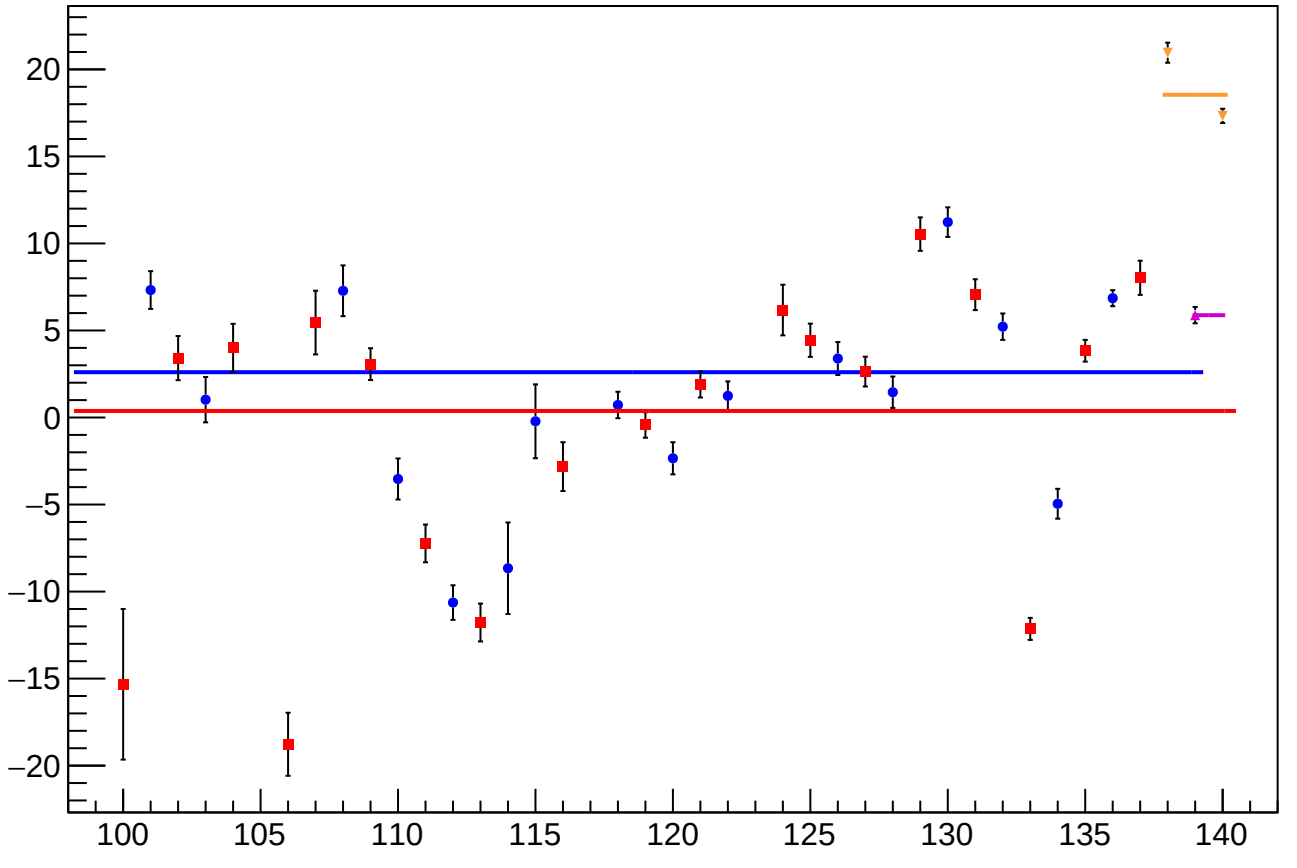
Left: 0.270+/-0.023 χ^2/NDF: 5.0/2

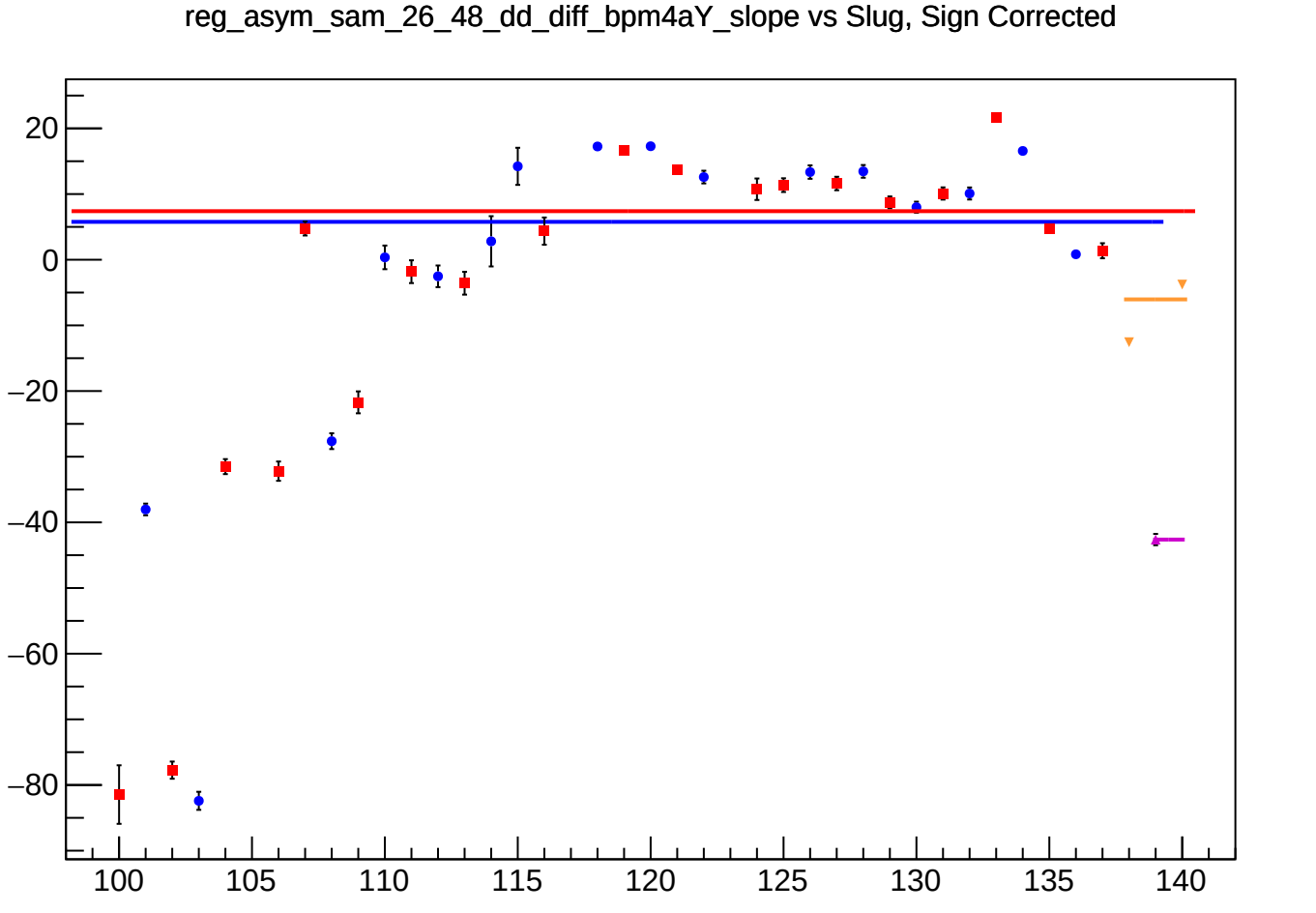
Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: -0.037+/-0.022 χ^2/NDF:344.6/16

Out: -0.023+/-0.020 χ^2/NDF:753.5/20

All: -0.029+/-0.015 χ^2/NDF: 1098.3/37


reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
−20
100
105
110
115
120
125
130
135
140
Right In: 2.604+/-0.224 χ²/NDF: 573.1/15
Left Out: 18.542+/-0.333 χ²/NDF:26.4/1
Right Out: 0.377+/-0.222 χ²/NDF: 1030.9/18
Left In: 5.879+/-0.467 χ²/NDF:0.0/0
Left: 14.270+/-0.271 χ²/NDF: 513.6/2
Right: 1.481+/-0.158 χ²/NDF: 1653.8/34
In: 3.217+/-0.202 χ²/NDF:613.1/16
Out: 5.969+/-0.185 χ²/NDF:3114.0/20
All: 4.715+/-0.136 χ²/NDF: 3828.0/37



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: -6.043+/-0.295 χ^2/NDF:169.0/1

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: -42.620+/-0.859 χ^2/NDF:0.0/0

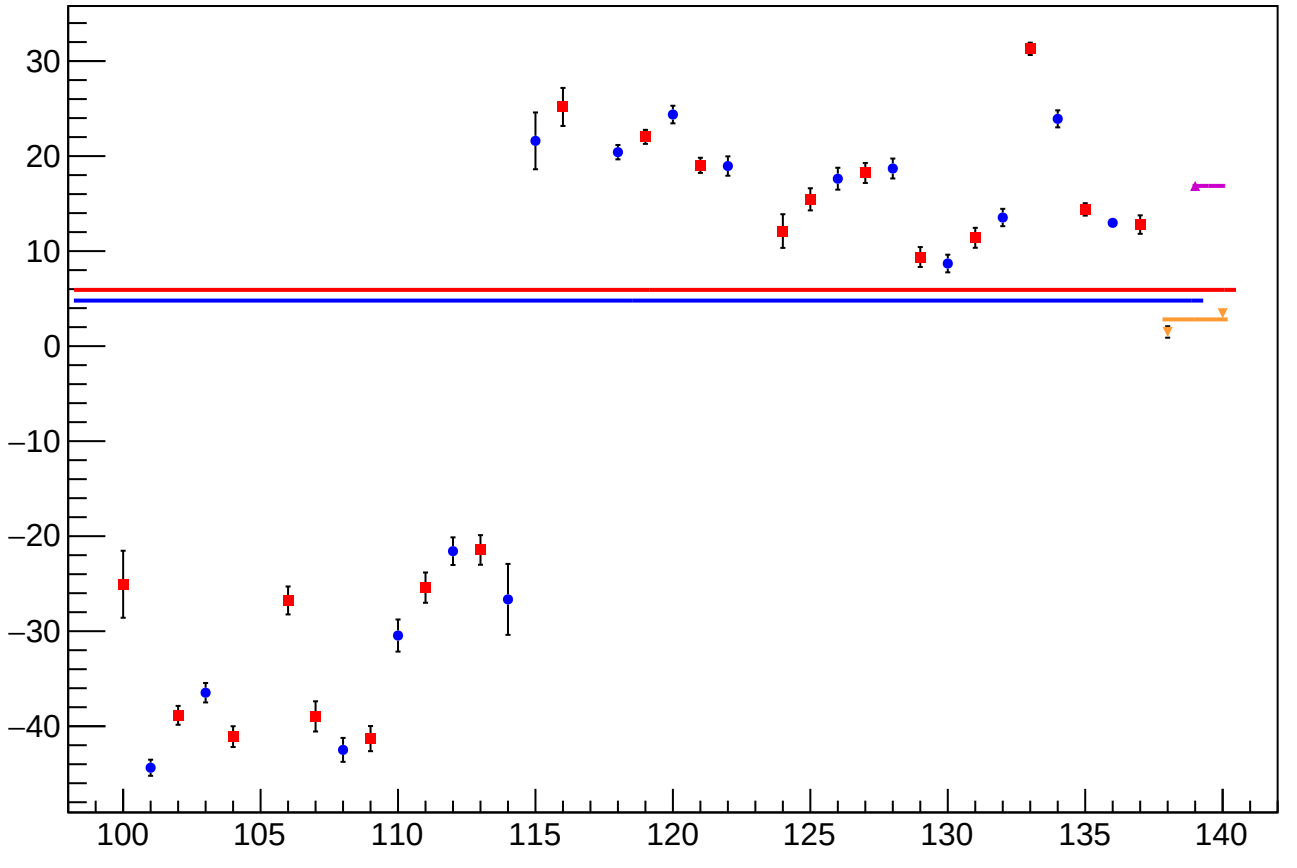
Left: -9.908+/-0.279 χ^2/NDF: 1792.4/2

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 3.042+/-0.204 χ^2/NDF:11931.5/16

Out: 2.912+/-0.170 χ^2/NDF:9941.2/20

All: 2.965+/-0.131 χ^2/NDF: 21873.0/37



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 2.813+/-0.344 χ^2/NDF:7.2/1

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 16.863+/-0.485 χ^2/NDF:0.0/0

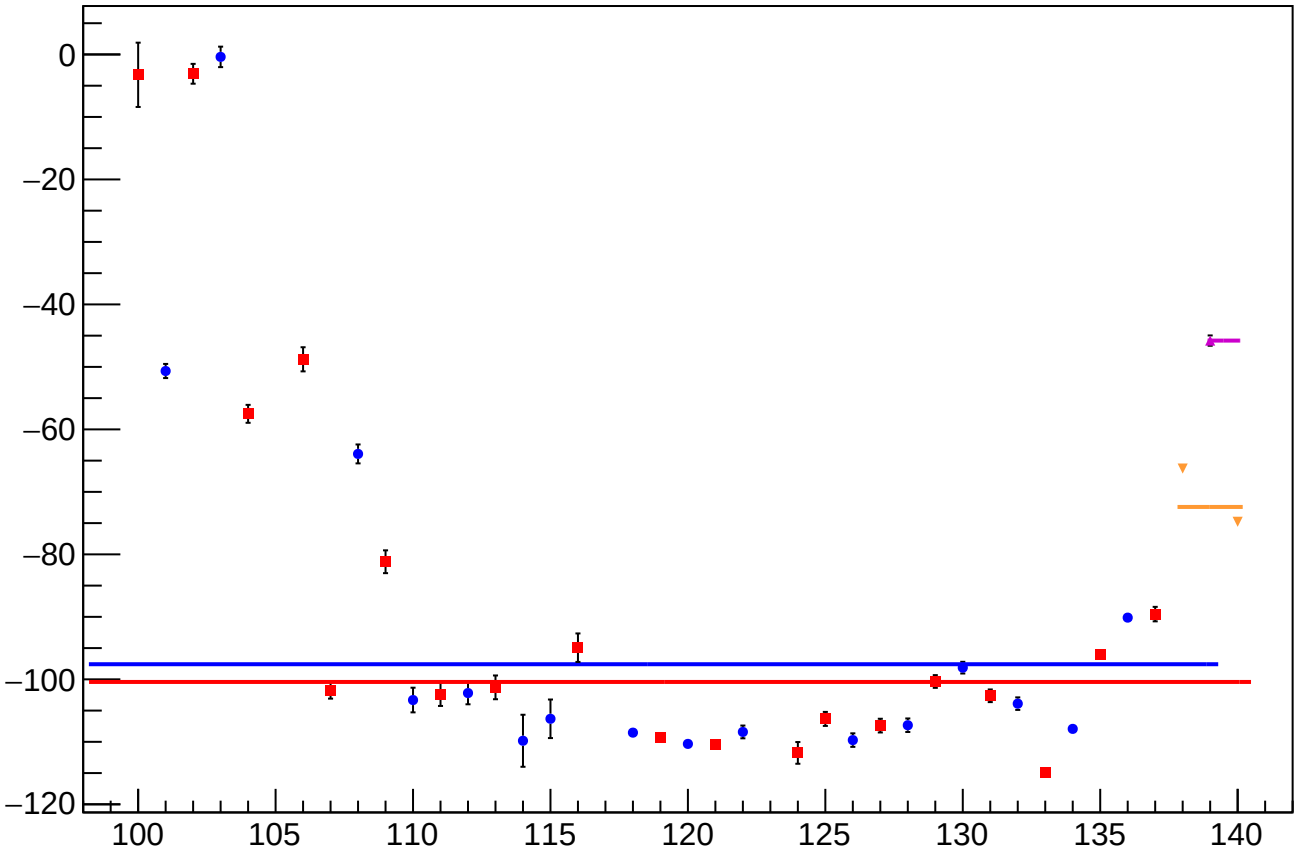
Left: 7.521+/-0.281 χ^2/NDF: 564.6/2

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 7.125+/-0.213 χ^2/NDF:9996.0/16

Out: 4.906+/-0.197 χ^2/NDF:10121.3/20

All: 5.927+/-0.145 χ^2/NDF: 20175.8/37



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -72.412+/-0.349 χ^2/NDF:119.5/1

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -45.790+/-0.825 χ^2/NDF:0.0/0

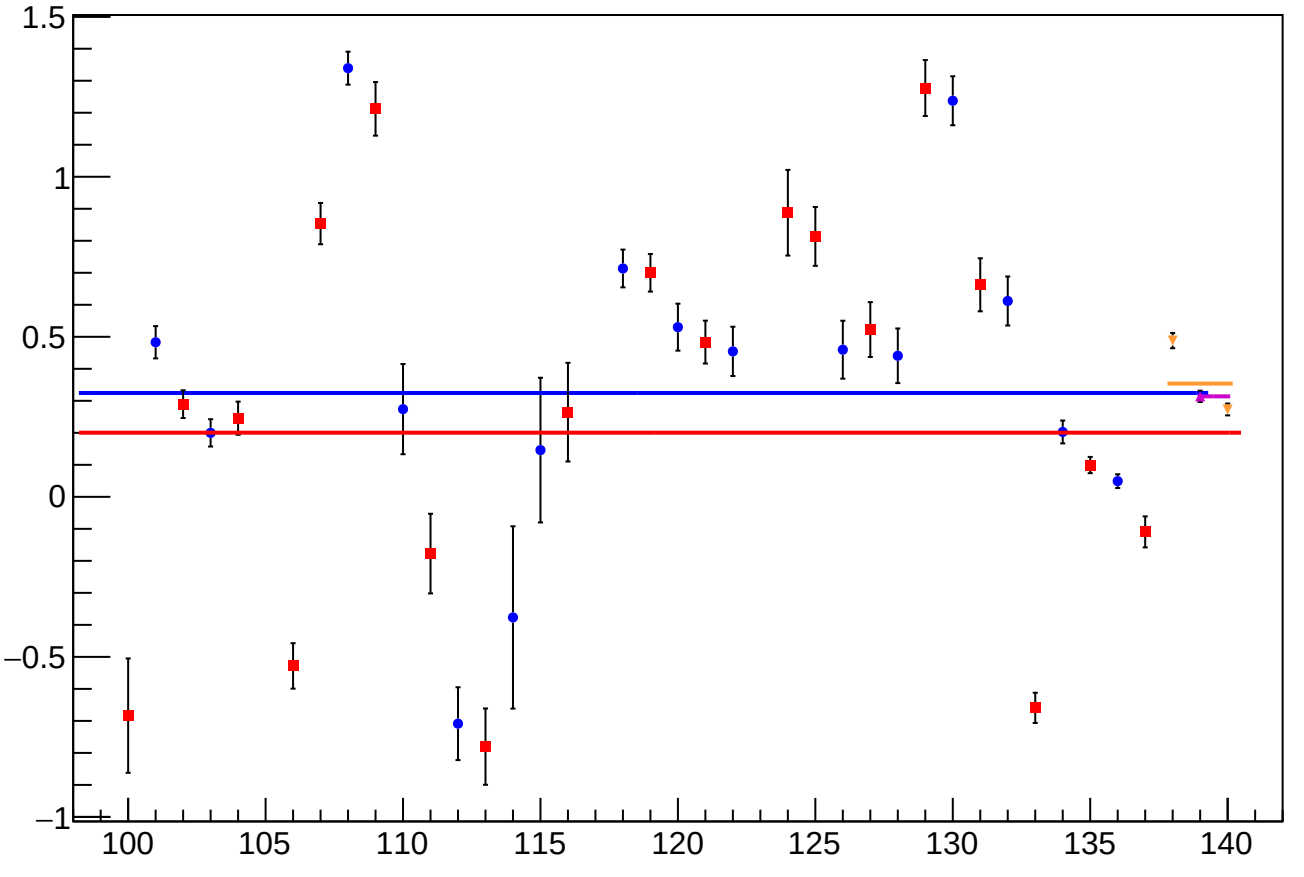
Left: -68.363+/-0.322 χ^2/NDF: 1002.9/2

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -93.486+/-0.232 χ^2/NDF:10775.5/16

Out: -91.388+/-0.198 χ^2/NDF:11590.1/20

All: -92.274+/-0.151 χ^2/NDF: 22412.8/37



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.354+/-0.015 χ^2/NDF:50.7/1

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.314+/-0.018 χ^2/NDF:0.0/0

Left: 0.338+/-0.011 χ^2/NDF: 53.8/2

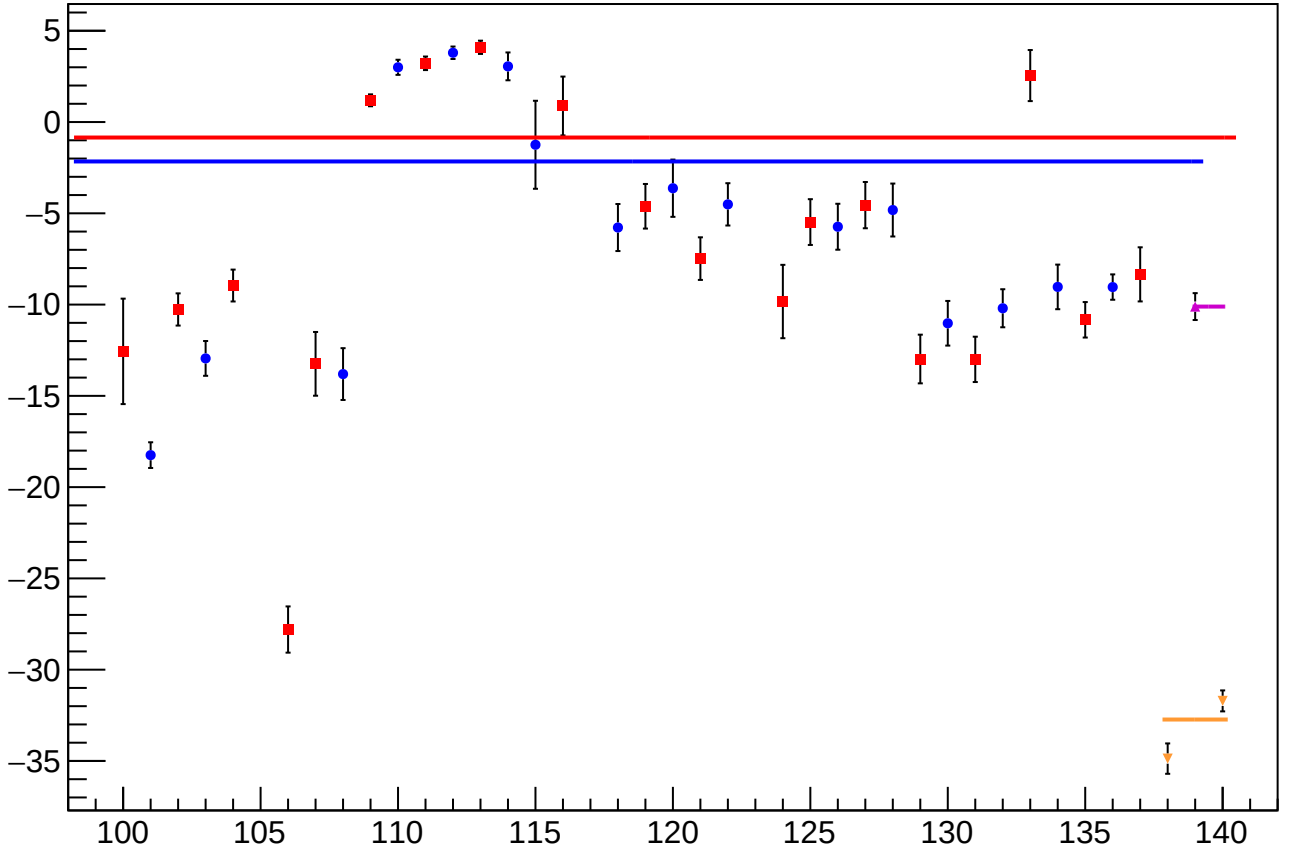
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.321+/-0.011 χ^2/NDF:886.7/16

Out: 0.273+/-0.010 χ^2/NDF:1315.0/20

All: 0.295+/-0.007 χ^2/NDF: 2212.4/37

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -32.731+/-0.473 χ^2/NDF:9.8/1

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -10.109+/-0.736 χ^2/NDF:0.0/0

Left: -26.128+/-0.398 χ^2/NDF: 678.7/2

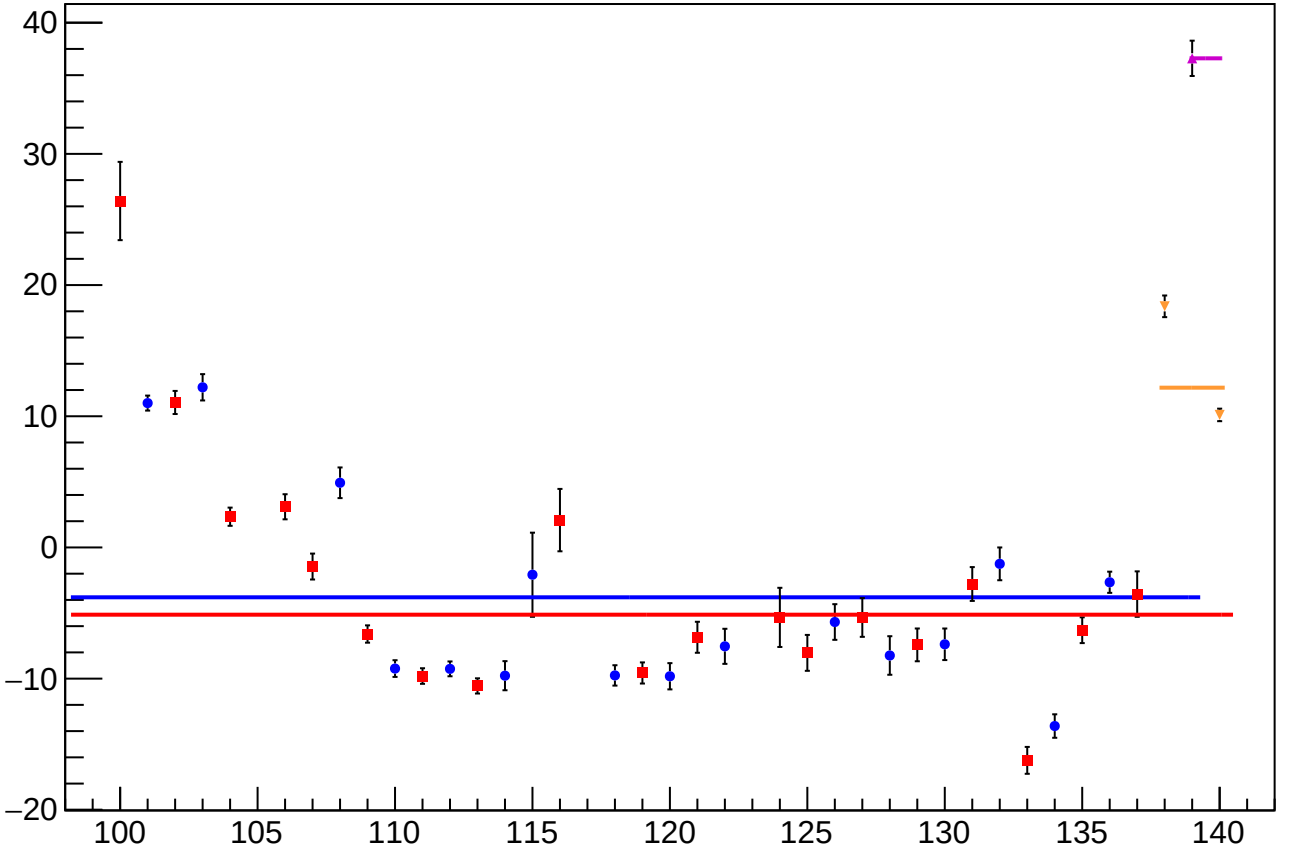
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -2.666+/-0.186 χ^2/NDF:1600.2/16

Out: -4.517+/-0.160 χ^2/NDF:5503.5/20

All: -3.727+/-0.121 χ^2/NDF: 7160.6/37

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: 12.179+/-0.413 χ^2/NDF:75.4/1

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: 37.283+/-1.346 χ^2/NDF:0.0/0

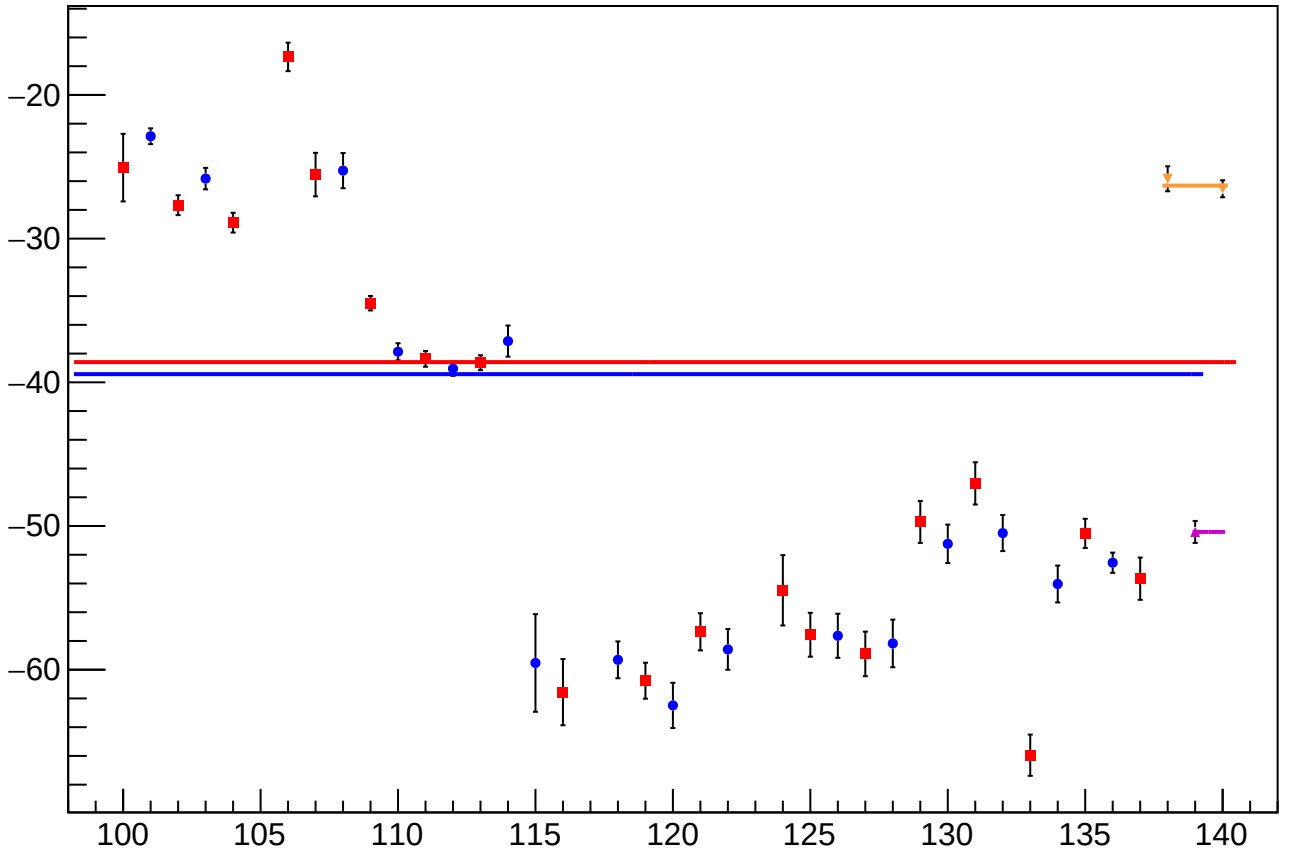
Left: 14.342+/-0.395 χ^2/NDF: 393.2/2

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -2.677+/-0.223 χ^2/NDF:2331.6/16

Out: -1.341+/-0.193 χ^2/NDF:2425.0/20

All: -1.915+/-0.146 χ^2/NDF: 4777.2/37



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -26.311+/-0.488 χ^2/NDF:0.4/1

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -50.411+/-0.765 χ^2/NDF:0.0/0

Left: -33.281+/-0.412 χ^2/NDF: 704.9/2

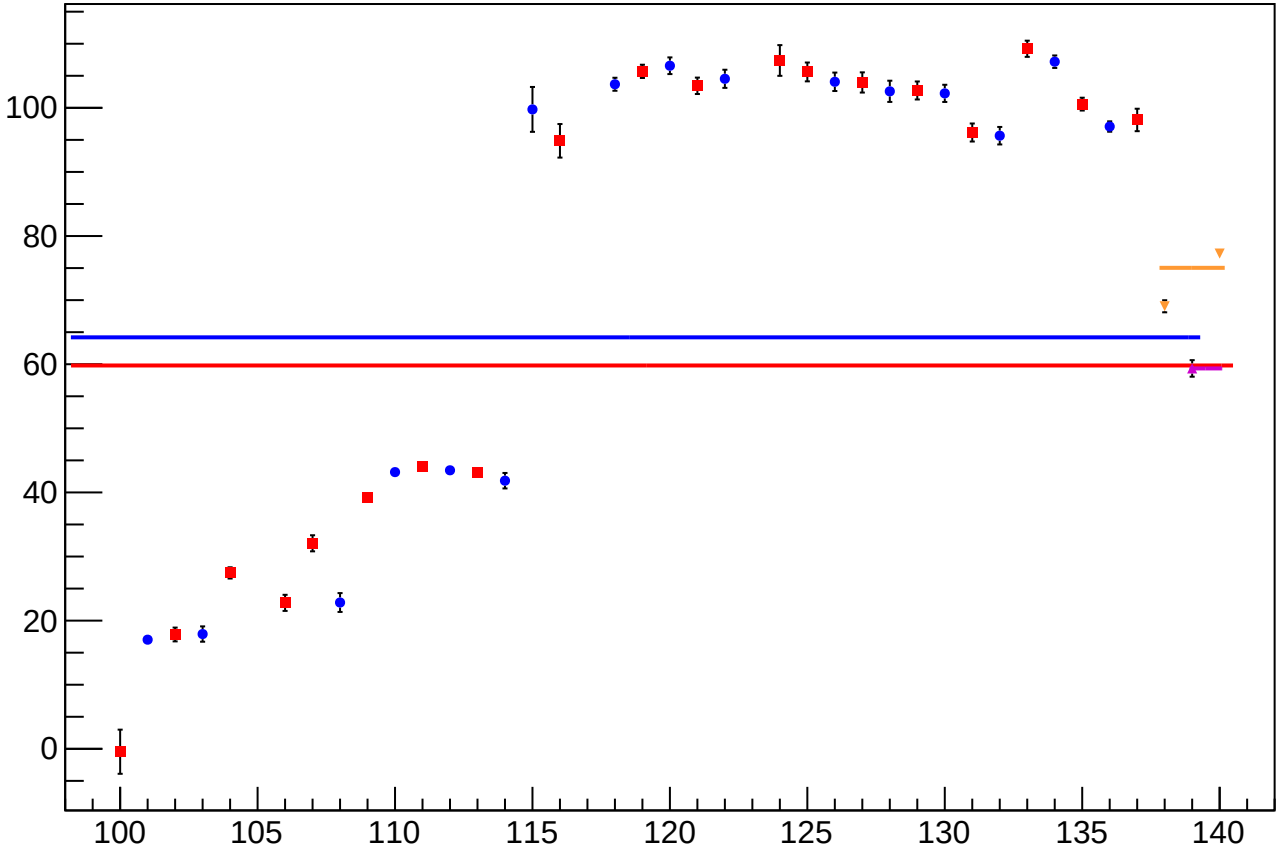
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -40.308+/-0.216 χ^2/NDF:3147.4/16

Out: -36.636+/-0.195 χ^2/NDF:3304.4/20

All: -38.282+/-0.145 χ^2/NDF: 6610.9/37

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: 75.039+/-0.490 χ^2/NDF:55.5/1

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 59.346+/-1.292 χ^2/NDF:0.0/0

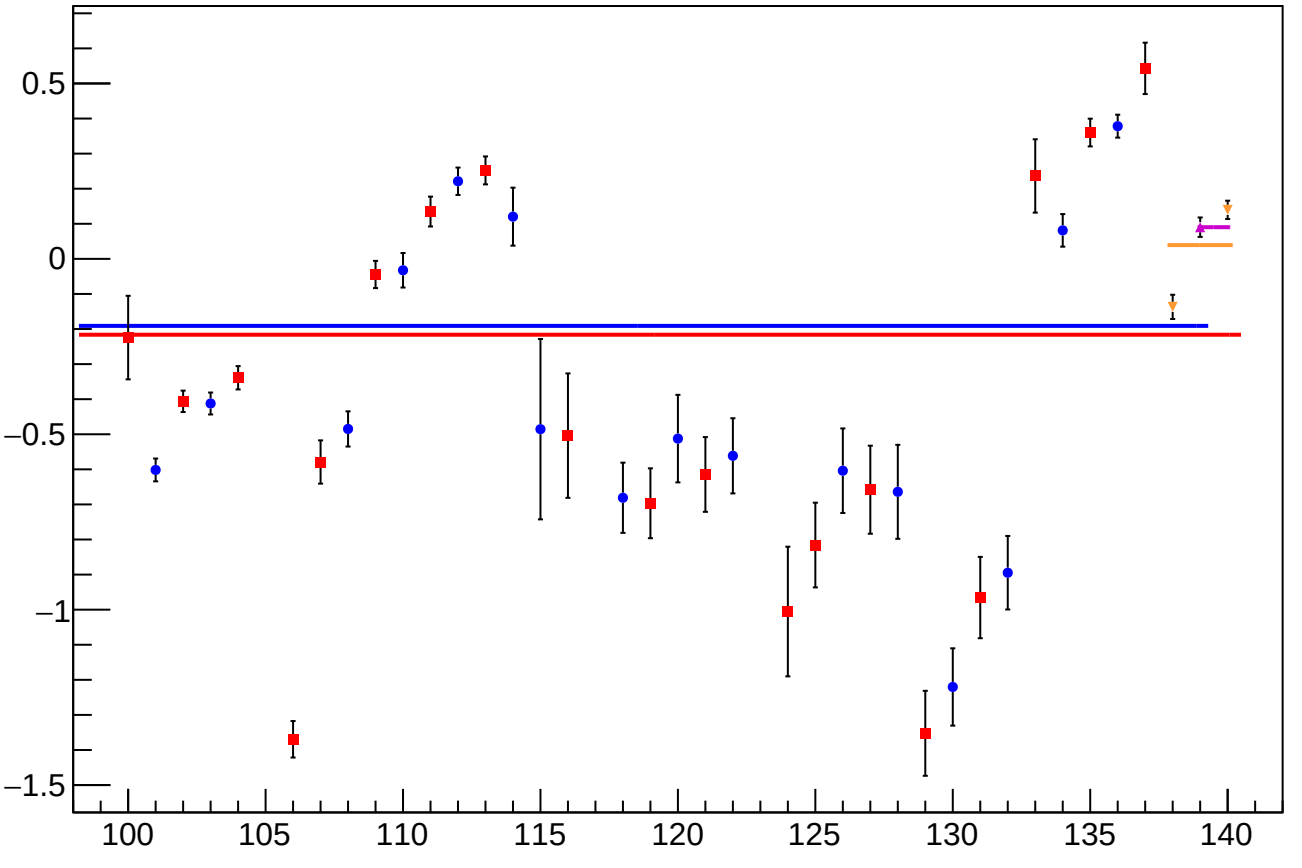
Left: 73.065+/-0.458 χ^2/NDF: 184.4/2

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 64.010+/-0.253 χ^2/NDF:18610.0/16

Out: 62.923+/-0.222 χ^2/NDF:18254.4/20

All: 63.397+/-0.167 χ^2/NDF: 36874.8/37



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.039+/-0.021 χ^2/NDF:40.8/1

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: 0.090+/-0.028 χ^2/NDF:0.0/0

Left: 0.058+/-0.017 χ^2/NDF: 42.9/2

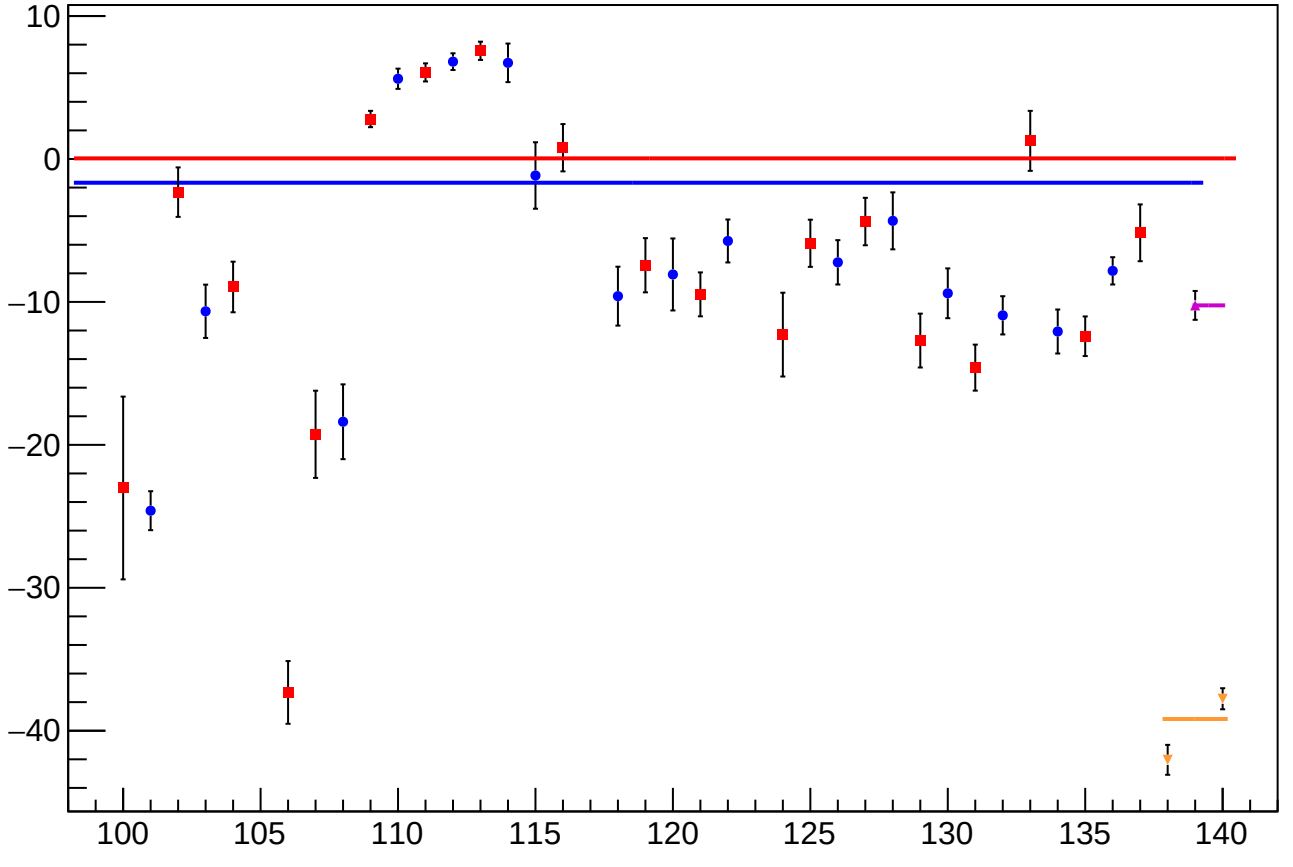
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.138+/-0.012 χ^2/NDF:1001.8/16

Out: -0.145+/-0.011 χ^2/NDF:1517.5/20

All: -0.142+/-0.008 χ^2/NDF: 2519.5/37

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -39.178+/-0.602 χ^2/NDF:11.1/1

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -10.242+/-1.010 χ^2/NDF:0.0/0

Left: -31.589+/-0.517 χ^2/NDF: 616.1/2

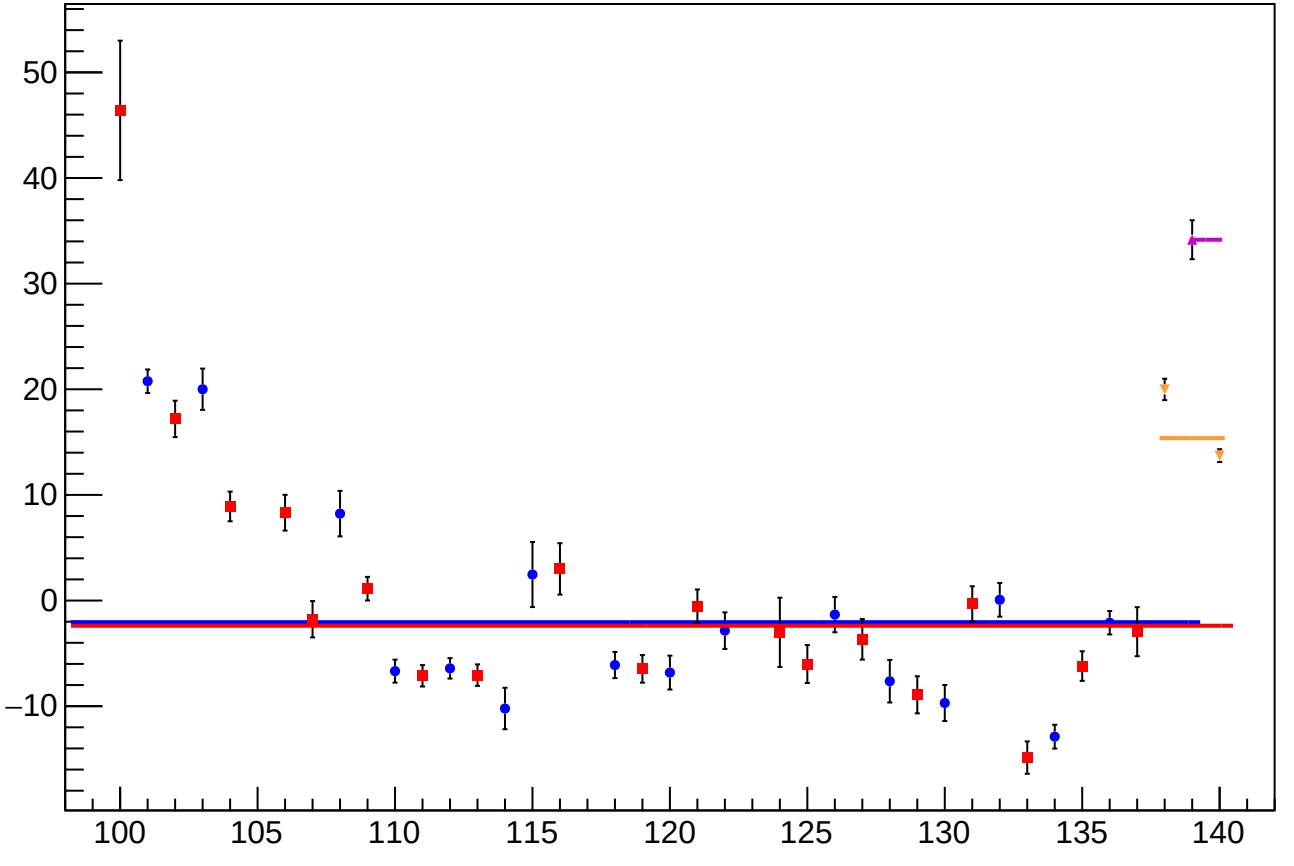
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -2.391+/-0.295 χ^2/NDF:966.3/16

Out: -7.003+/-0.255 χ^2/NDF:4418.9/20

All: -5.025+/-0.193 χ^2/NDF: 5525.2/37

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 15.380+/-0.521 χ^2/NDF:28.2/1

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 34.158+/-1.843 χ^2/NDF:0.0/0

Left: 16.770+/-0.501 χ^2/NDF: 124.4/2

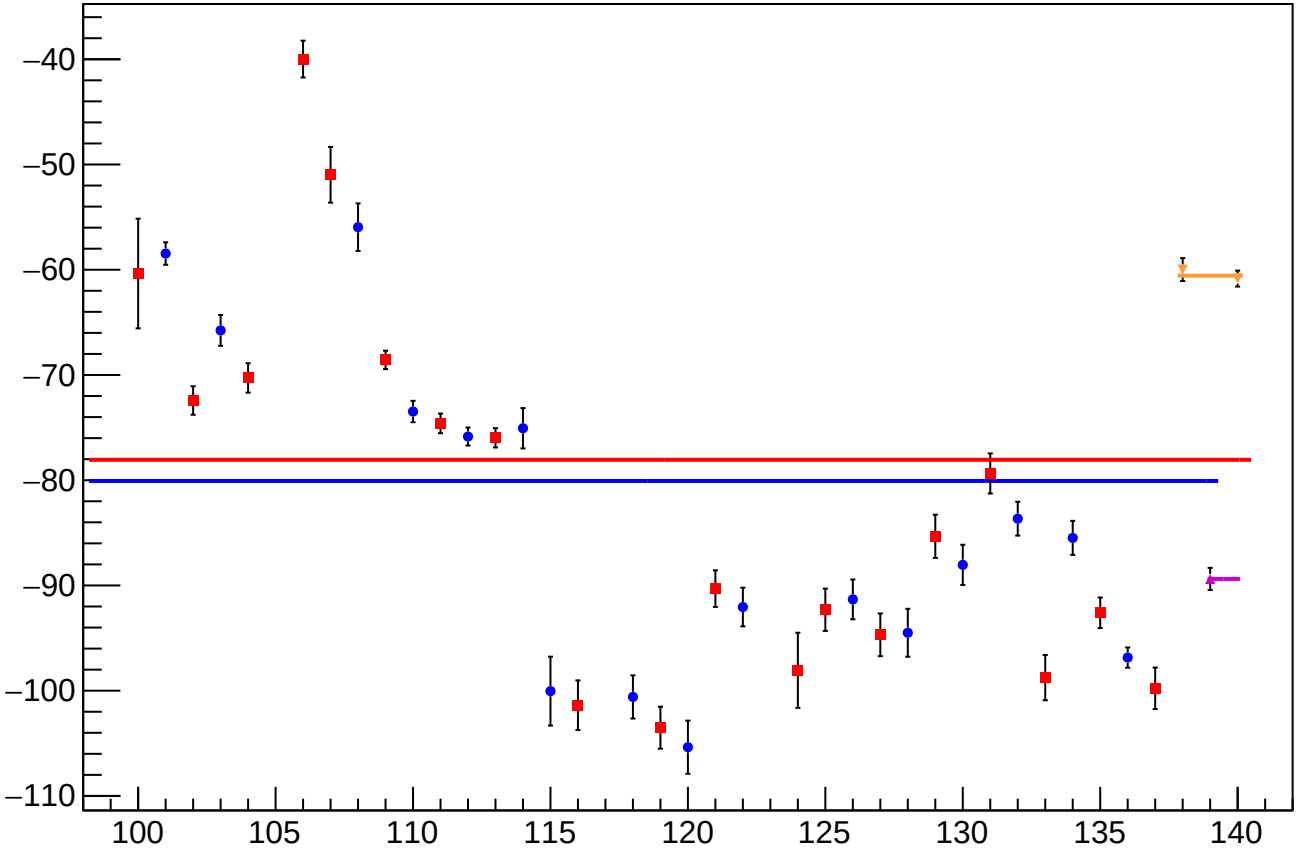
Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -0.746+/-0.350 χ^2/NDF:1144.2/16

Out: 3.252+/-0.294 χ^2/NDF:1272.6/20

All: 1.600+/-0.225 χ^2/NDF: 2493.5/37

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -60.563+/-0.622 χ^2/NDF:0.4/1

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -89.379+/-1.051 χ^2/NDF:0.0/0

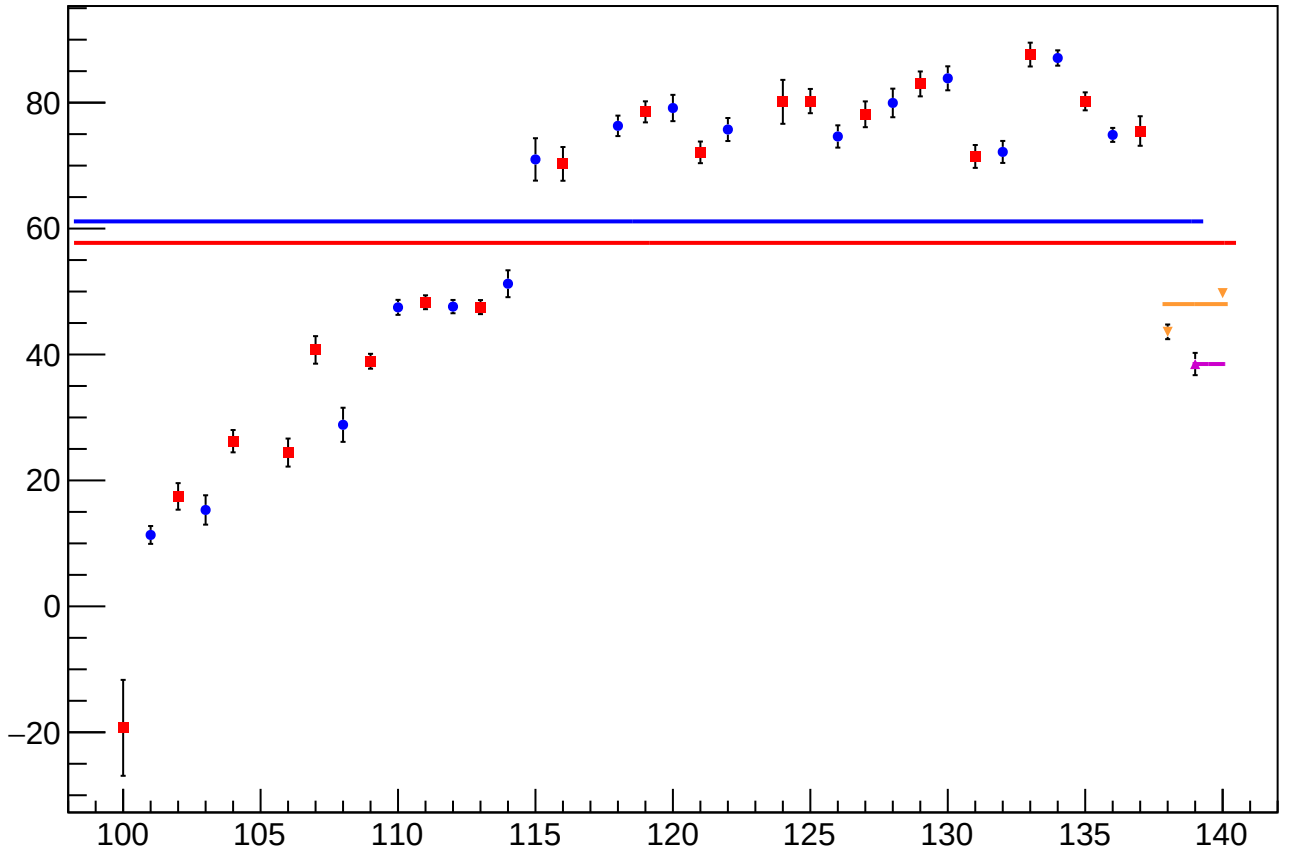
Left: -68.041+/-0.536 χ^2/NDF: 556.7/2

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -81.067+/-0.344 χ^2/NDF:1457.2/16

Out: -73.792+/-0.307 χ^2/NDF:2159.0/20

All: -77.019+/-0.229 χ^2/NDF: 3864.7/37



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 48.005+/-0.620 χ^2/NDF:20.0/1

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 38.487+/-1.769 χ^2/NDF:0.0/0

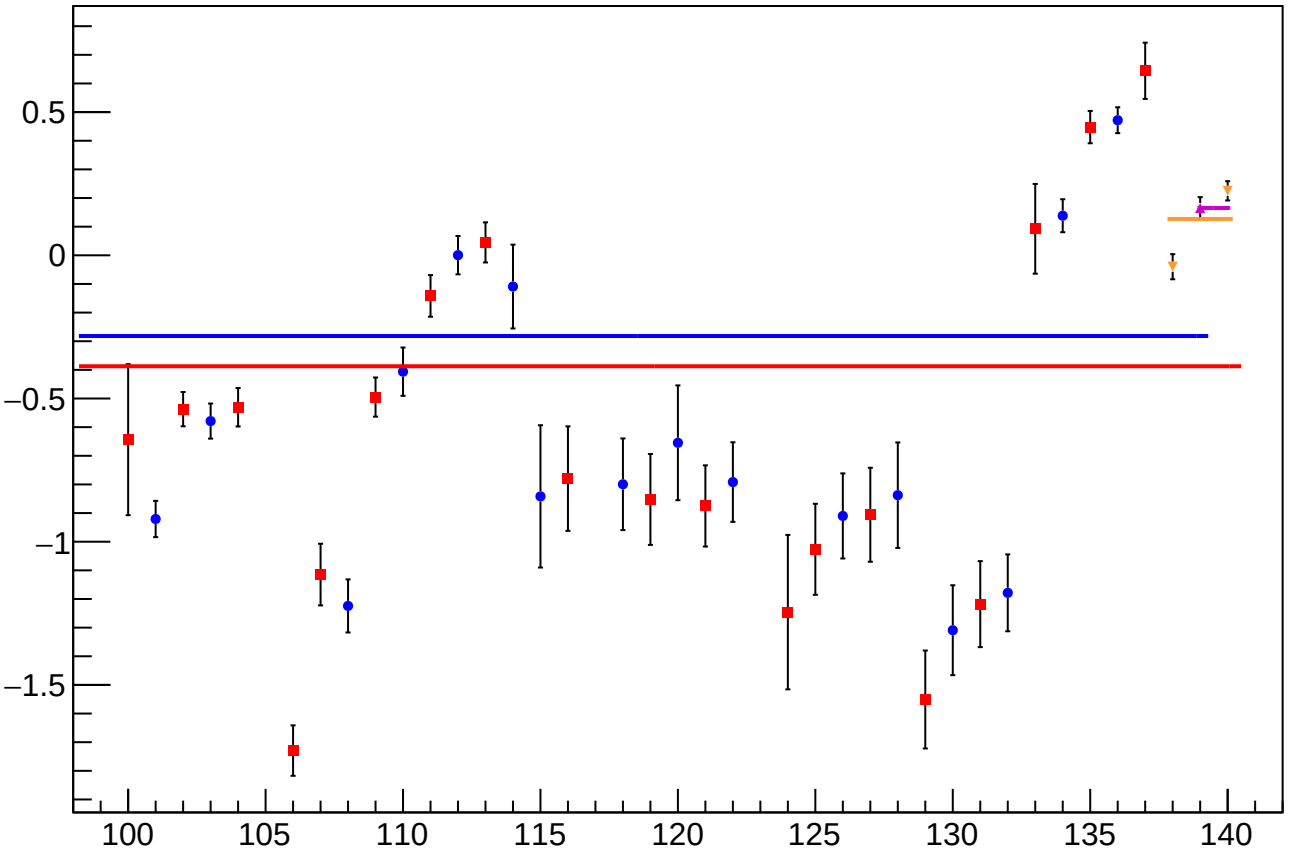
Left: 46.965+/-0.585 χ^2/NDF: 45.8/2

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 60.034+/-0.391 χ^2/NDF:3385.3/16

Out: 54.867+/-0.336 χ^2/NDF:2969.4/20

All: 57.064+/-0.255 χ^2/NDF: 6455.3/37



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.127+/-0.027 χ^2/NDF:23.0/1

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.165+/-0.038 χ^2/NDF:0.0/0

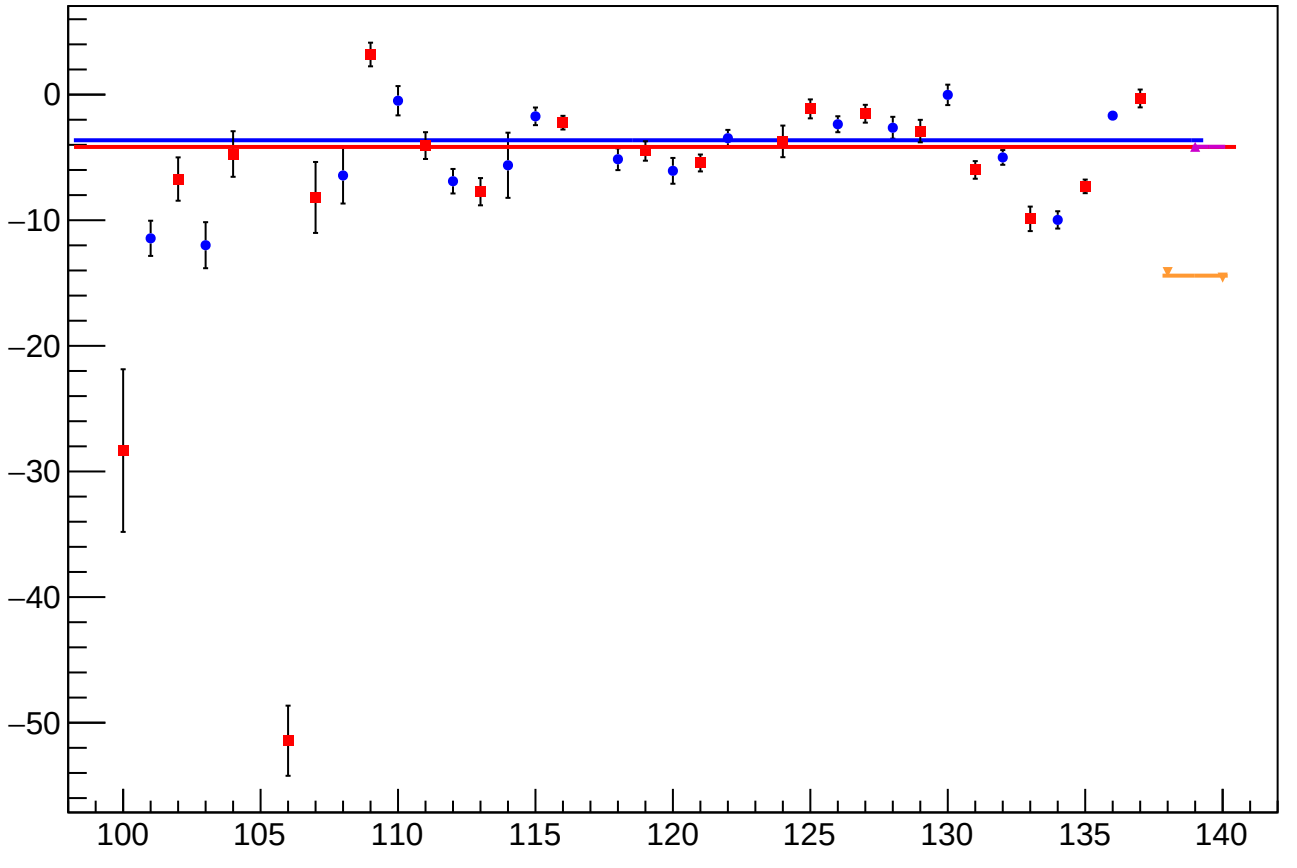
Left: 0.140+/-0.022 χ^2/NDF: 23.6/2

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.172+/-0.019 χ^2/NDF:833.0/16

Out: -0.180+/-0.017 χ^2/NDF:1063.5/20

All: -0.177+/-0.013 χ^2/NDF: 1896.6/37



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -14.411+/-0.213 χ^2/NDF:1.0/1

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -4.153+/-0.369 χ^2/NDF:0.0/0

Left: -11.846+/-0.184 χ^2/NDF: 581.7/2

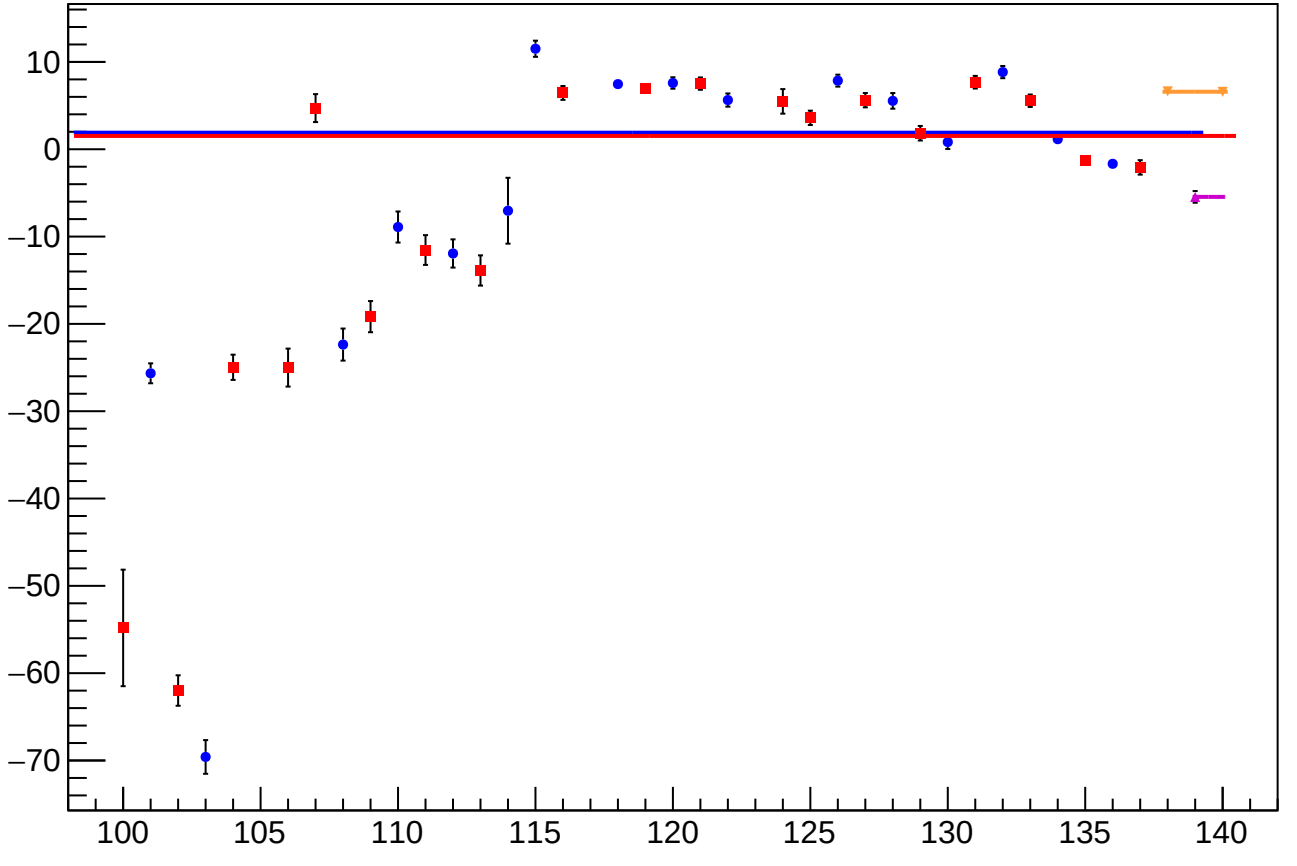
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -3.742+/-0.168 χ^2/NDF:236.3/16

Out: -8.956+/-0.146 χ^2/NDF:1763.9/20

All: -6.723+/-0.110 χ^2/NDF: 2549.7/37

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 6.588+/-0.184 χ^2/NDF:0.0/1

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: -5.455+/-0.669 χ^2/NDF:0.0/0

Left: 5.741+/-0.177 χ^2/NDF: 301.0/2

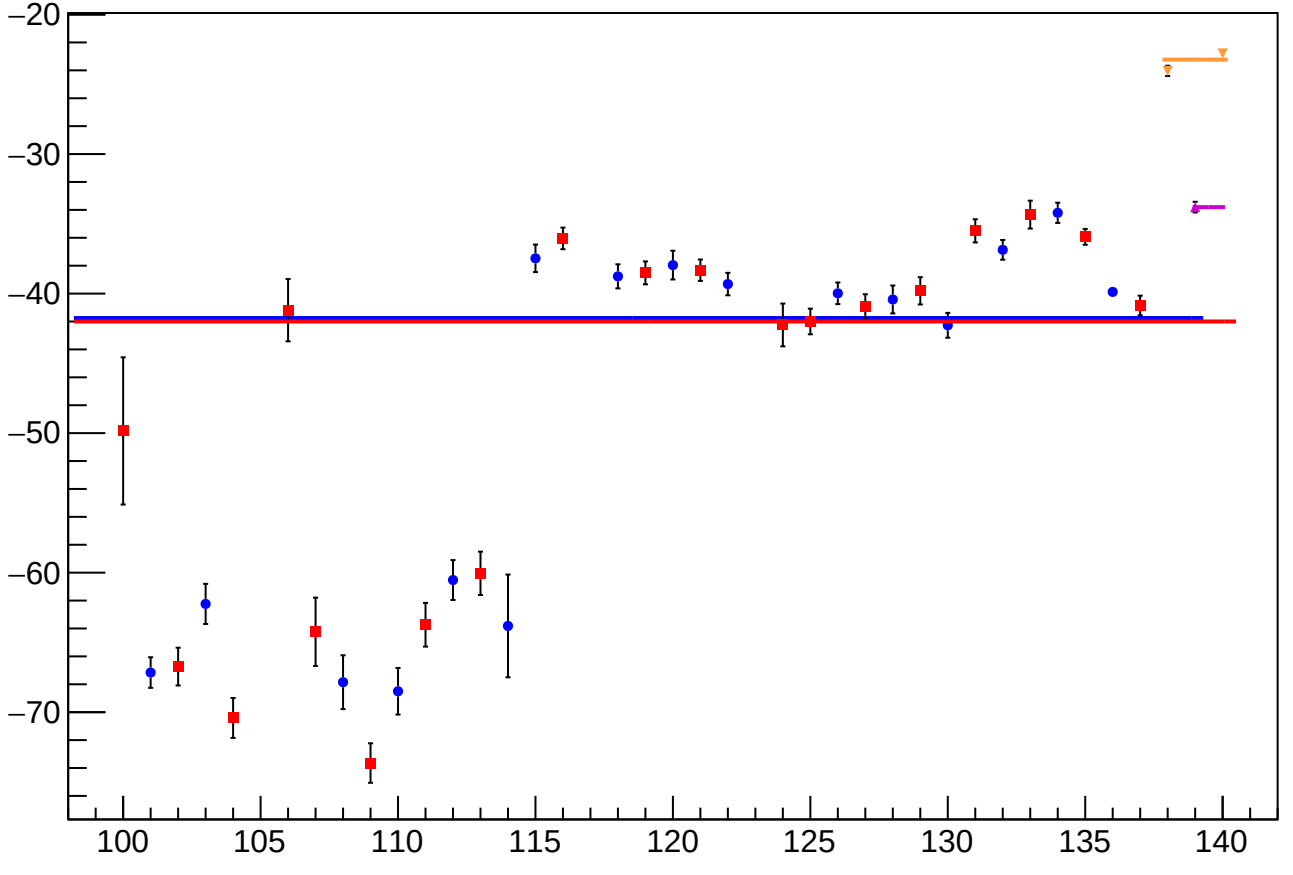
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 1.355+/-0.182 χ^2/NDF:2950.0/16

Out: 4.368+/-0.138 χ^2/NDF:2891.6/20

All: 3.269+/-0.110 χ^2/NDF: 6015.9/37

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: -23.233+/-0.220 χ^2/NDF:7.3/1

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -33.803+/-0.384 χ^2/NDF:0.0/0

Left: -25.846+/-0.191 χ^2/NDF: 578.2/2

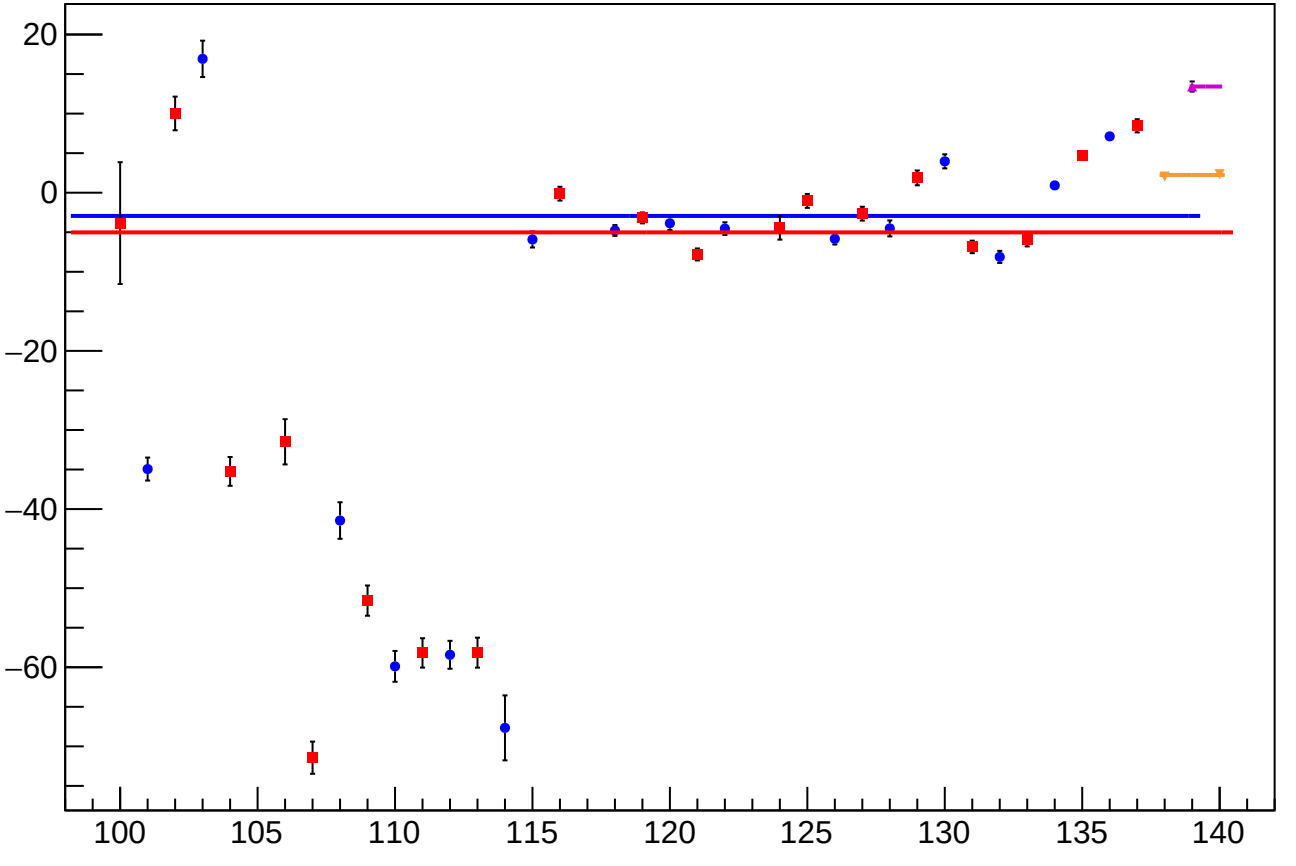
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -39.952+/-0.183 χ^2/NDF:1965.6/16

Out: -32.270+/-0.158 χ^2/NDF:5496.6/20

All: -35.568+/-0.120 χ^2/NDF: 8472.1/37

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 2.239+/-0.219 χ^2/NDF:0.4/1

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 13.424+/-0.642 χ^2/NDF:0.0/0

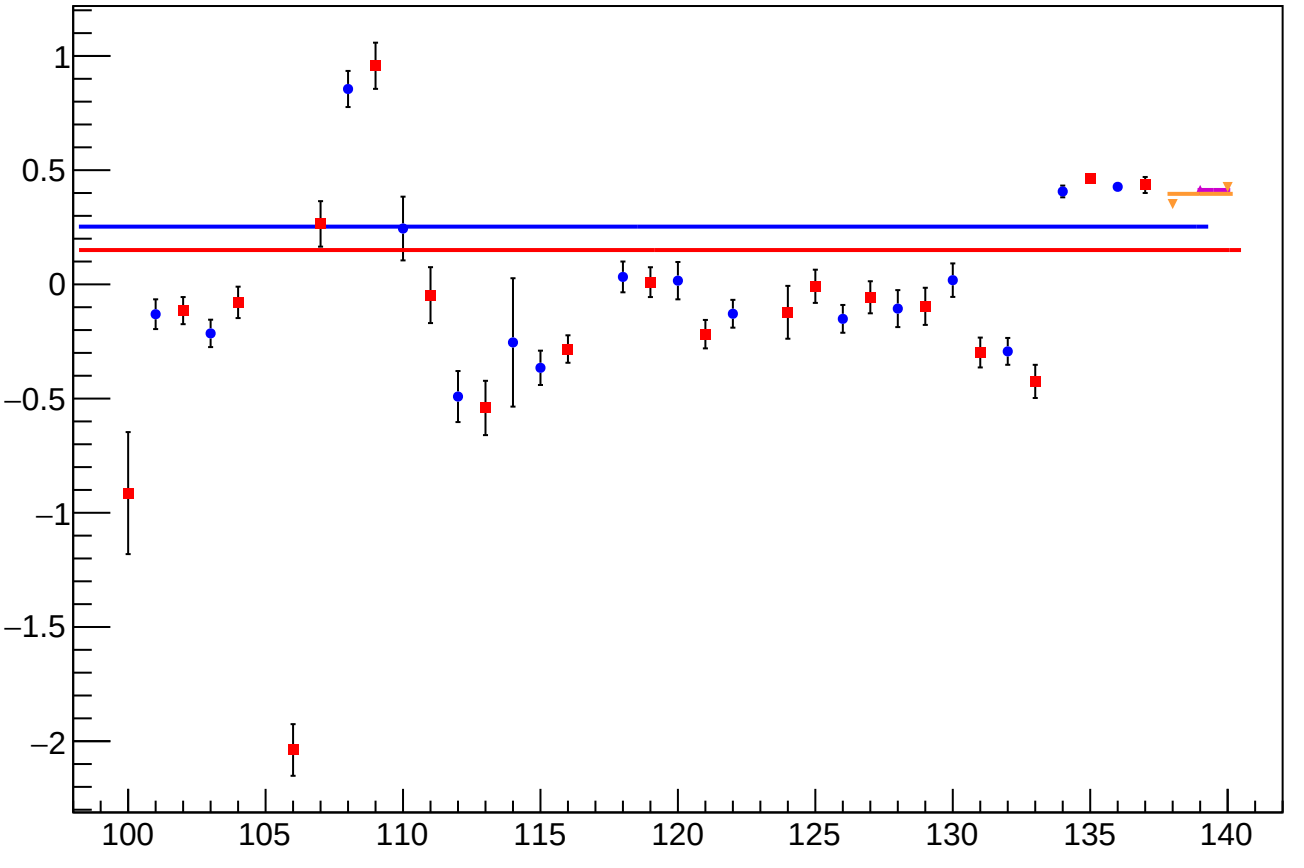
Left: 3.403+/-0.207 χ^2/NDF: 272.2/2

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: -1.360+/-0.199 χ^2/NDF:4312.1/16

Out: -1.180+/-0.159 χ^2/NDF:4896.0/20

All: -1.250+/-0.124 χ^2/NDF: 9208.5/37



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.396+/-0.009 χ^2/NDF:15.0/1

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.413+/-0.014 χ^2/NDF:0.0/0

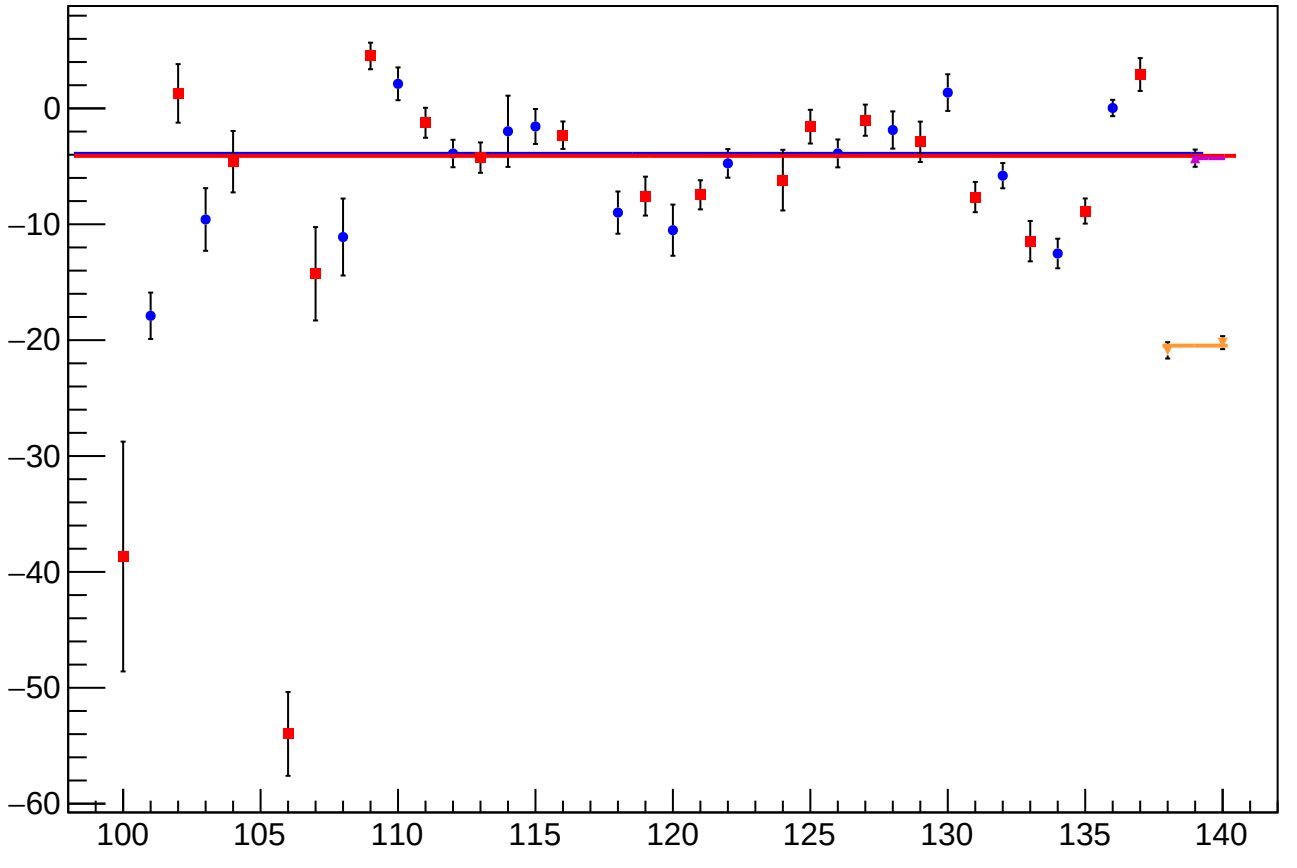
Left: 0.402+/-0.008 χ^2/NDF: 16.0/2

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.319+/-0.009 χ^2/NDF:711.1/16

Out: 0.314+/-0.008 χ^2/NDF:1259.3/20

All: 0.316+/-0.006 χ^2/NDF: 1970.6/37



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -20.472+/-0.439 χ^2/NDF:0.5/1

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -4.296+/-0.745 χ^2/NDF:0.0/0

Left: -16.297+/-0.378 χ^2/NDF: 350.7/2

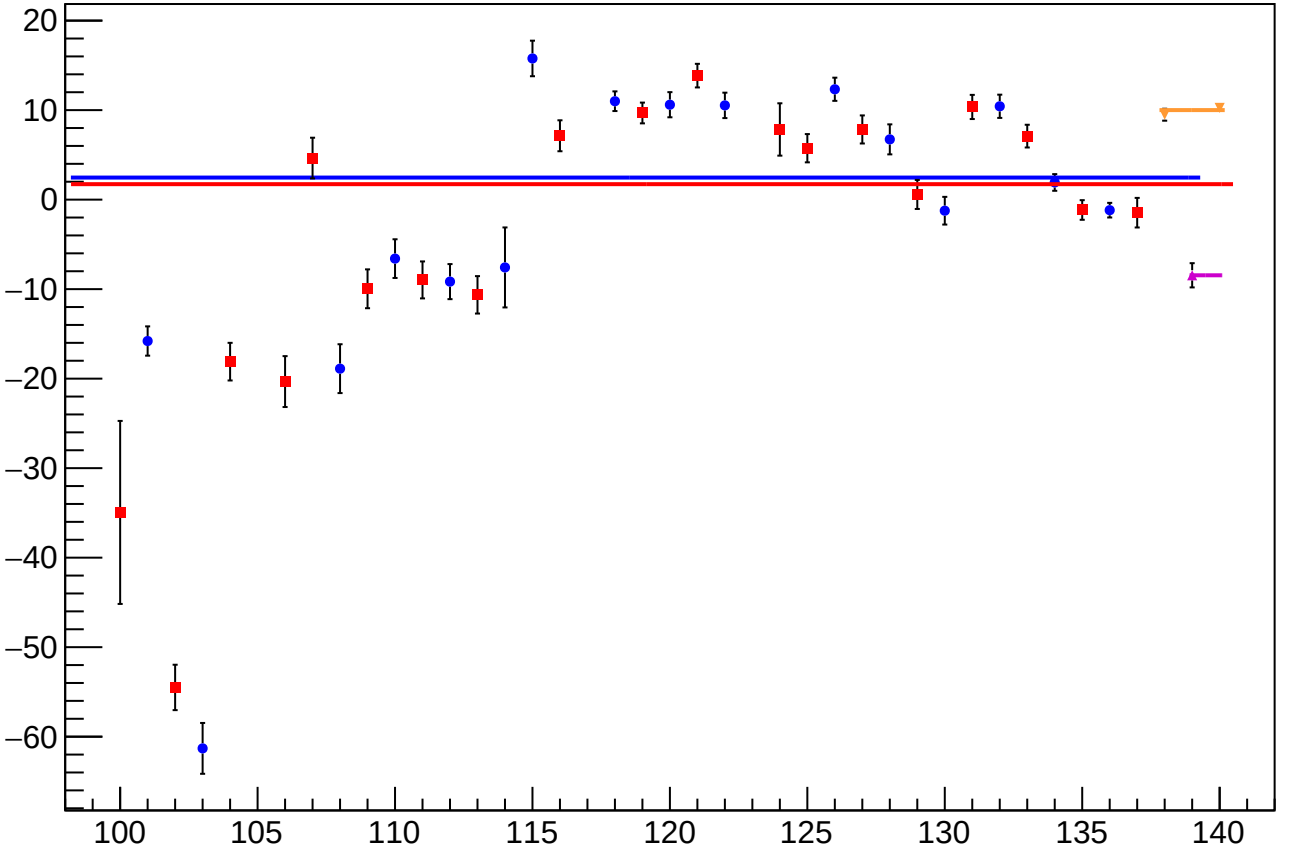
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -3.990+/-0.314 χ^2/NDF:189.0/16

Out: -10.608+/-0.277 χ^2/NDF:1204.9/20

All: -7.710+/-0.208 χ^2/NDF: 1643.9/37

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 10.003+/-0.380 χ^2/NDF:0.9/1

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: -8.453+/-1.353 χ^2/NDF:0.0/0

Left: 8.657+/-0.366 χ^2/NDF: 173.3/2

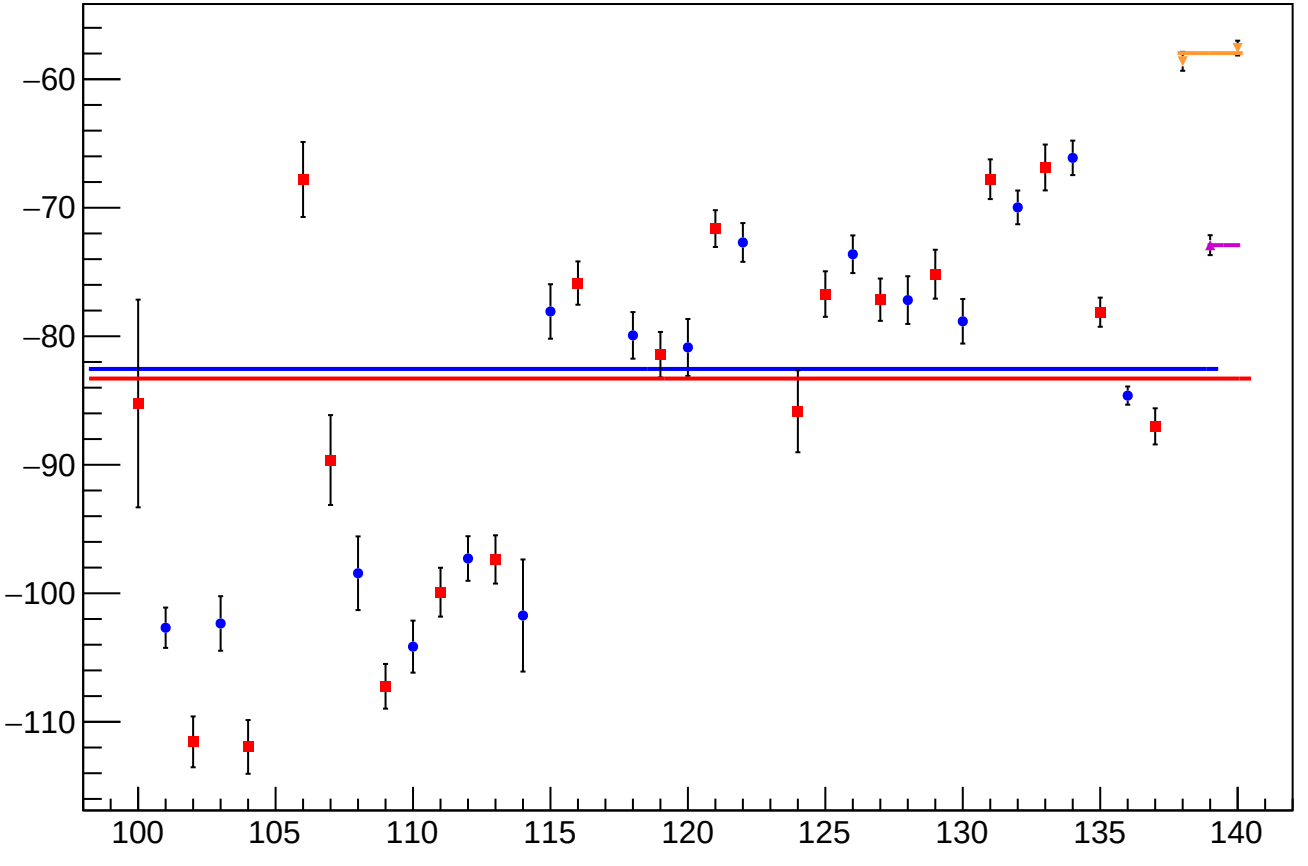
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 1.756+/-0.345 χ^2/NDF:1107.6/16

Out: 5.935+/-0.271 χ^2/NDF:1217.5/20

All: 4.342+/-0.213 χ^2/NDF: 2416.0/37

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -57.967+/-0.454 χ^2/NDF:1.2/1

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -72.911+/-0.775 χ^2/NDF:0.0/0

Left: -61.784+/-0.392 χ^2/NDF: 277.9/2

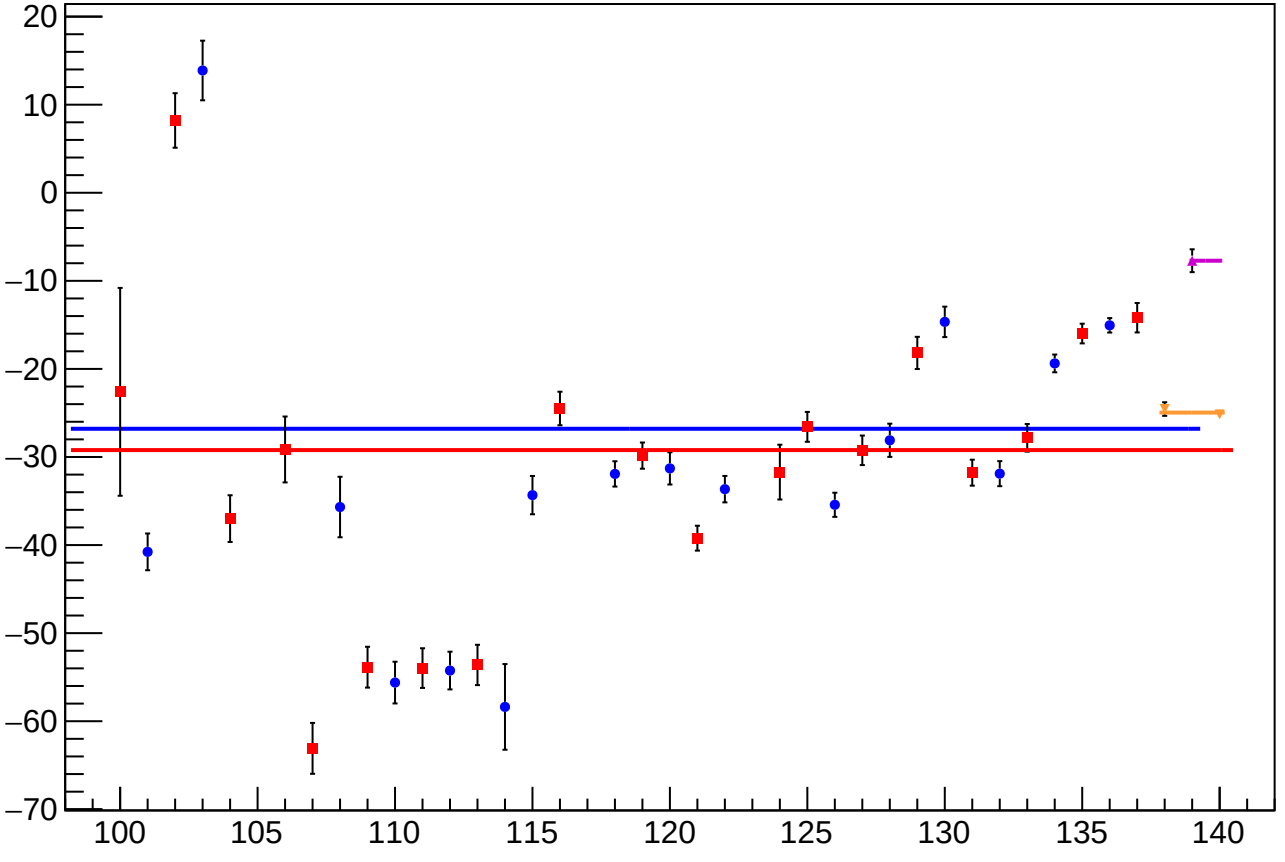
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -80.642+/-0.344 χ^2/NDF:962.7/16

Out: -71.786+/-0.306 χ^2/NDF:2791.3/20

All: -75.694+/-0.229 χ^2/NDF: 4123.6/37

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -24.959+/-0.451 χ^2/NDF:0.4/1

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -7.716+/-1.299 χ^2/NDF:0.0/0

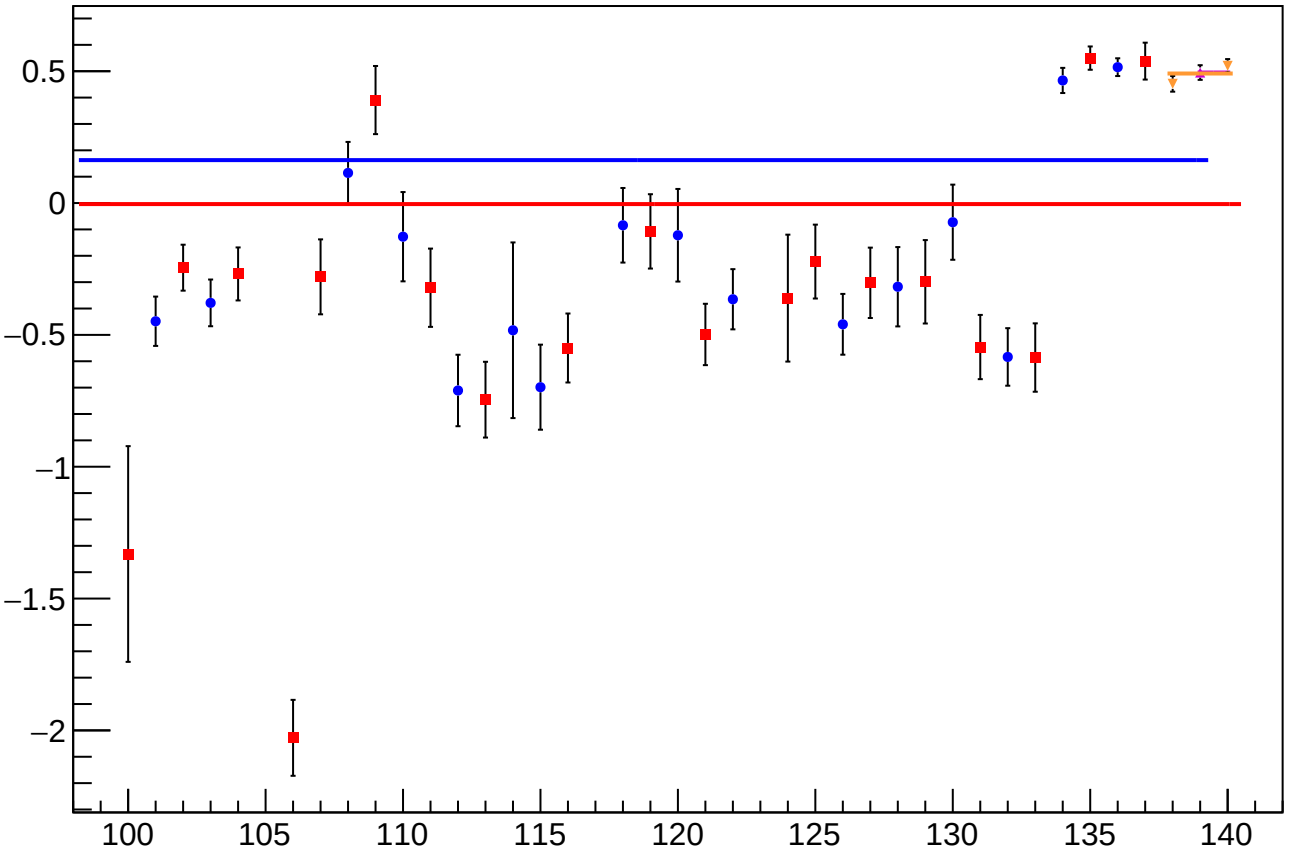
Left: -23.100+/-0.426 χ^2/NDF: 157.7/2

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -25.176+/-0.378 χ^2/NDF:1161.0/16

Out: -27.186+/-0.312 χ^2/NDF:1007.6/20

All: -26.373+/-0.241 χ^2/NDF: 2185.4/37



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.491+/-0.019 χ^2/NDF:3.0/1

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.495+/-0.028 χ^2/NDF:0.0/0

Left: 0.493+/-0.016 χ^2/NDF: 3.0/2

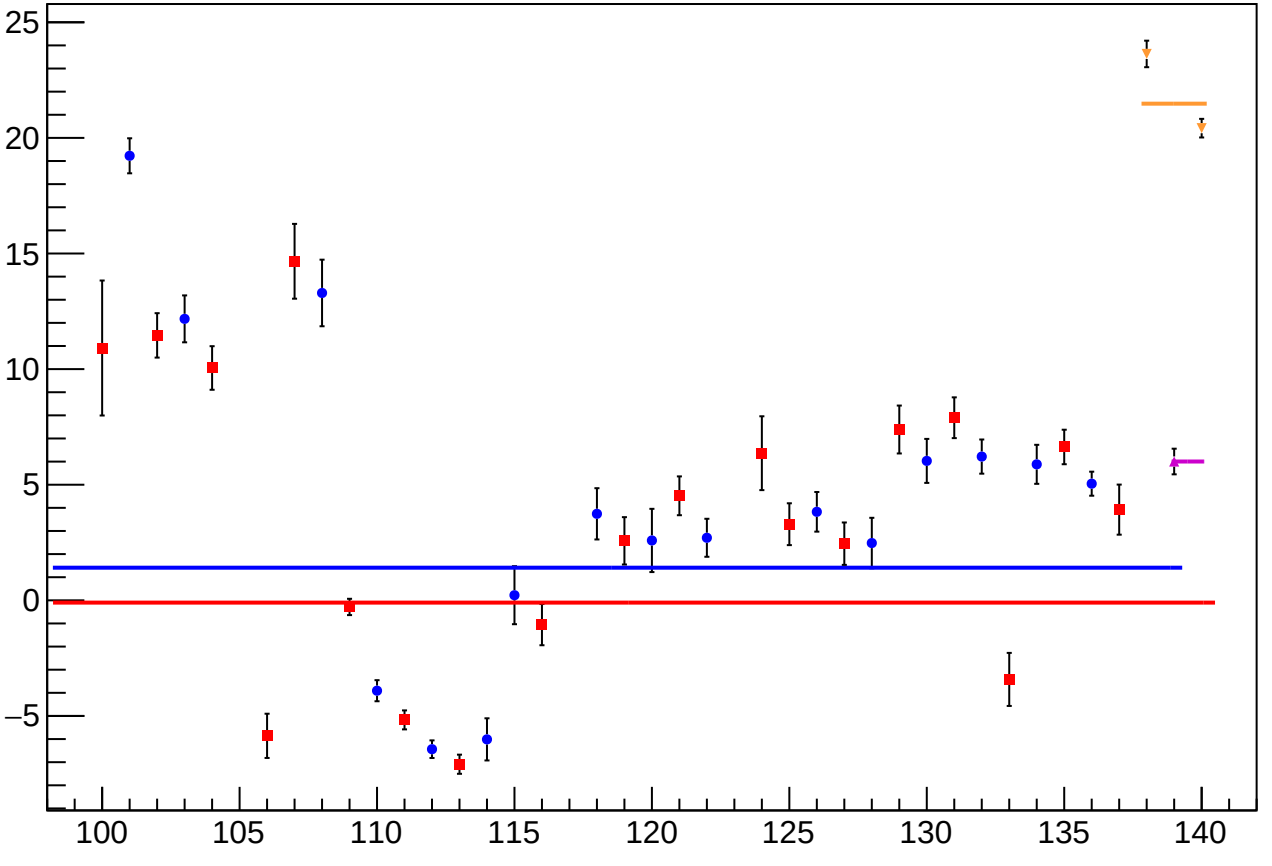
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.286+/-0.017 χ^2/NDF:512.1/16

Out: 0.299+/-0.015 χ^2/NDF:828.0/20

All: 0.293+/-0.011 χ^2/NDF: 1340.4/37

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 21.480+/-0.330 χ^2/NDF:21.0/1

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 6.004+/-0.555 χ^2/NDF:0.0/0

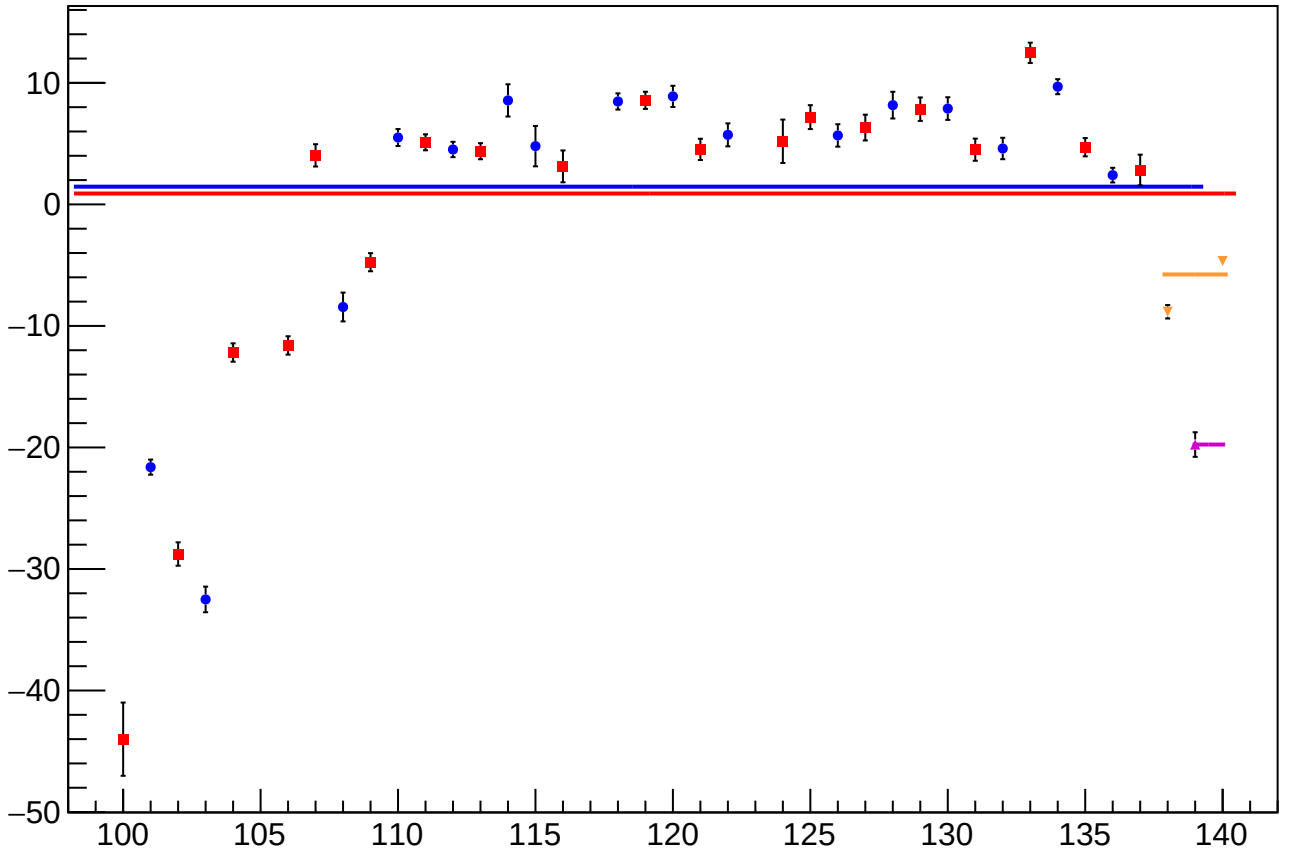
Left: 17.441+/-0.283 χ^2/NDF: 596.6/2

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 1.863+/-0.174 χ^2/NDF:1583.9/16

Out: 4.327+/-0.149 χ^2/NDF:4576.3/20

All: 3.282+/-0.113 χ^2/NDF: 6275.9/37



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: -5.764+/-0.285 χ^2/NDF:41.7/1

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: -19.760+/-1.011 χ^2/NDF:0.0/0

Left: -6.794+/-0.274 χ^2/NDF: 219.2/2

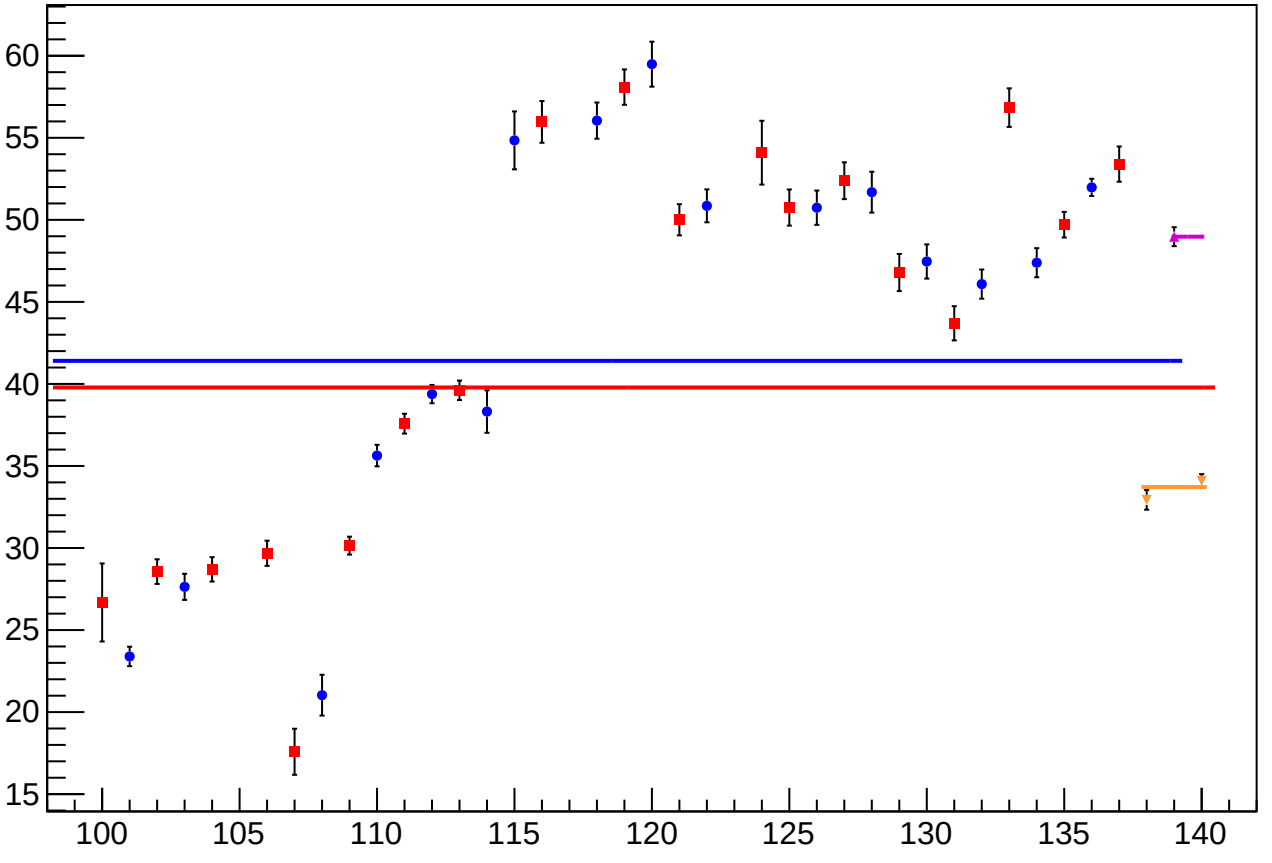
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 0.633+/-0.199 χ^2/NDF:3503.6/16

Out: -1.331+/-0.165 χ^2/NDF:2782.2/20

All: -0.534+/-0.127 χ^2/NDF: 6343.5/37

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 33.715+/-0.340 χ^2/NDF:2.5/1

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 48.974+/-0.577 χ^2/NDF:0.0/0

Left: 37.656+/-0.293 χ^2/NDF: 521.2/2

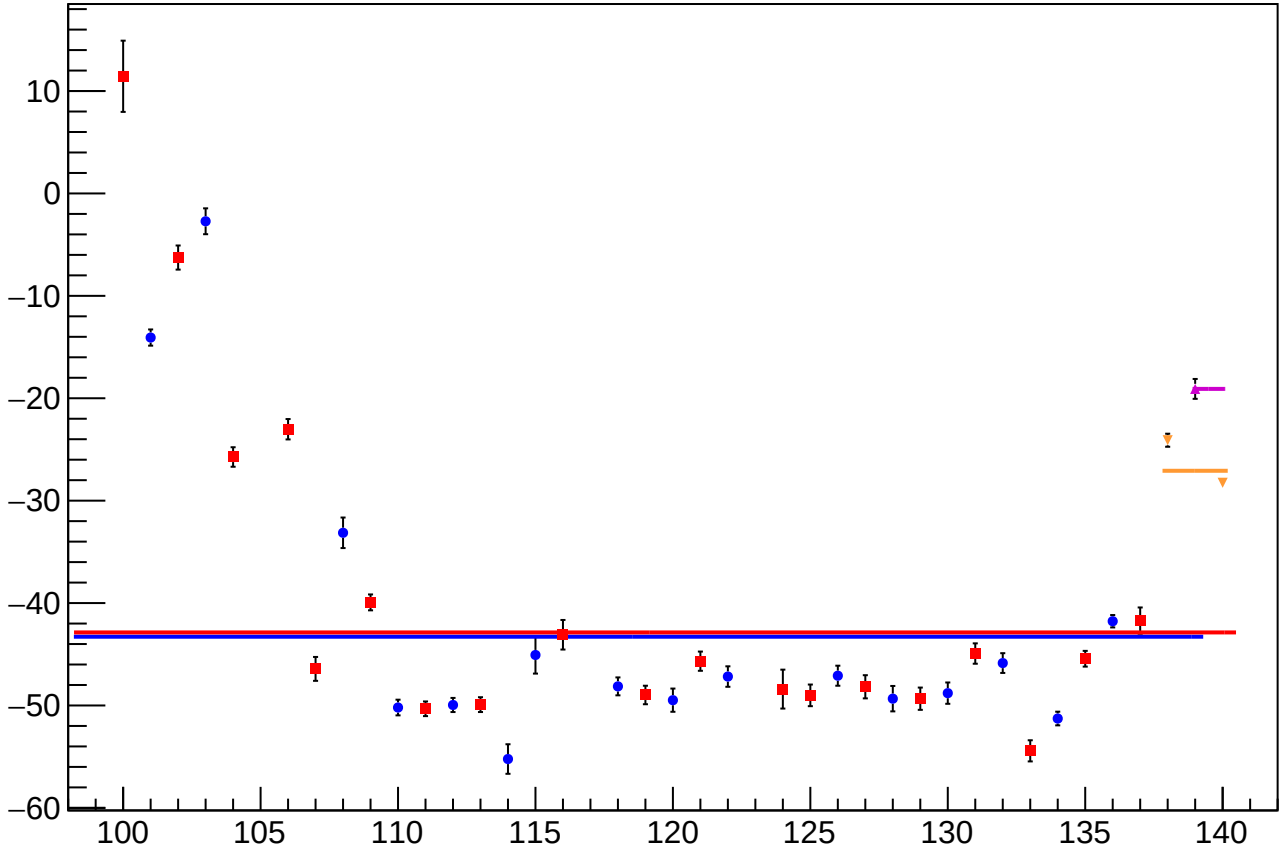
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 42.297+/-0.198 χ^2/NDF:2897.8/16

Out: 38.194+/-0.174 χ^2/NDF:2890.8/20

All: 39.986+/-0.131 χ^2/NDF: 6030.7/37

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -27.082+/-0.339 χ^2/NDF:30.4/1

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -19.086+/-0.970 χ^2/NDF:0.0/0

Left: -26.213+/-0.320 χ^2/NDF: 90.9/2

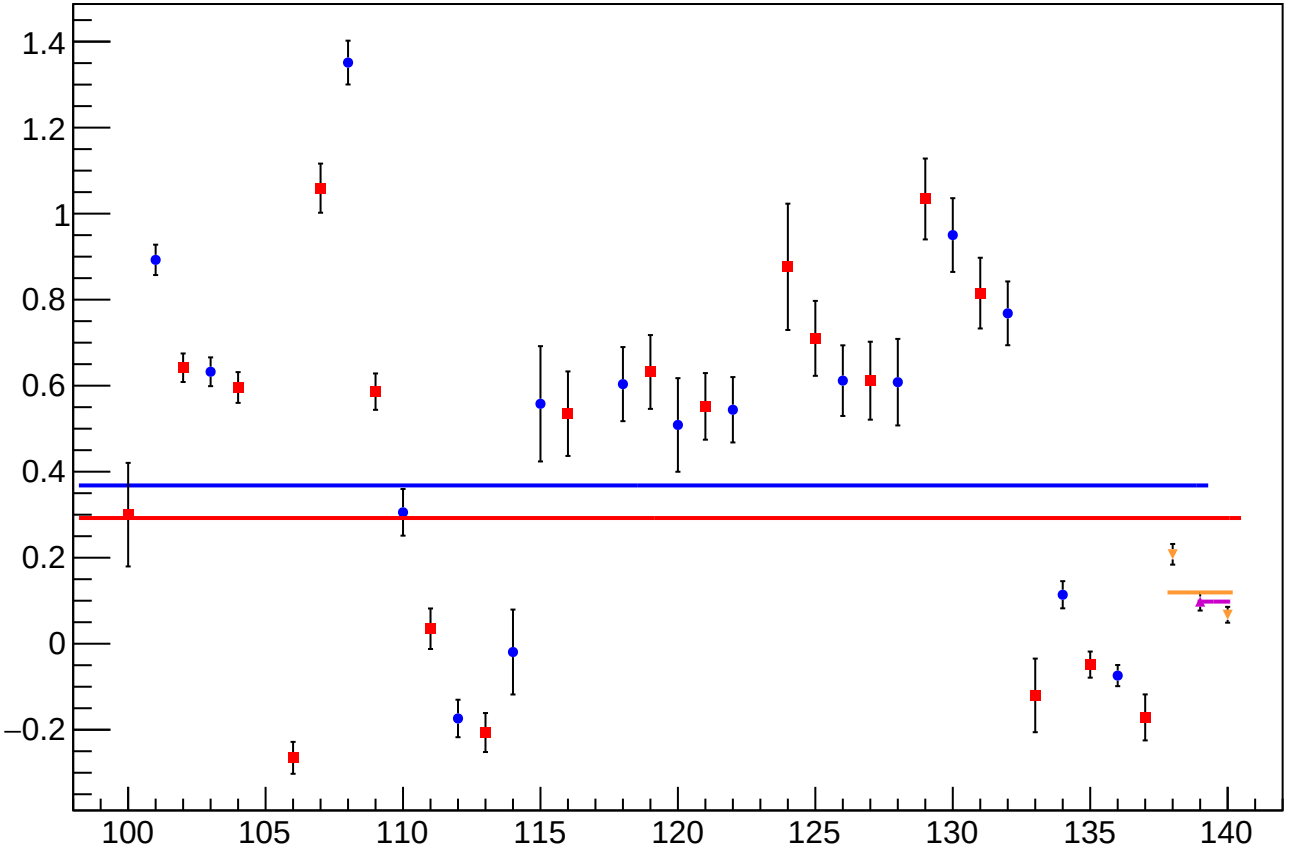
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -42.005+/-0.223 χ^2/NDF:3574.1/16

Out: -37.917+/-0.190 χ^2/NDF:3974.2/20

All: -39.633+/-0.145 χ^2/NDF: 7743.0/37

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.119+/-0.015 χ^2/NDF:21.6/1

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.098+/-0.021 χ^2/NDF:0.0/0

Left: 0.112+/-0.012 χ^2/NDF: 22.3/2

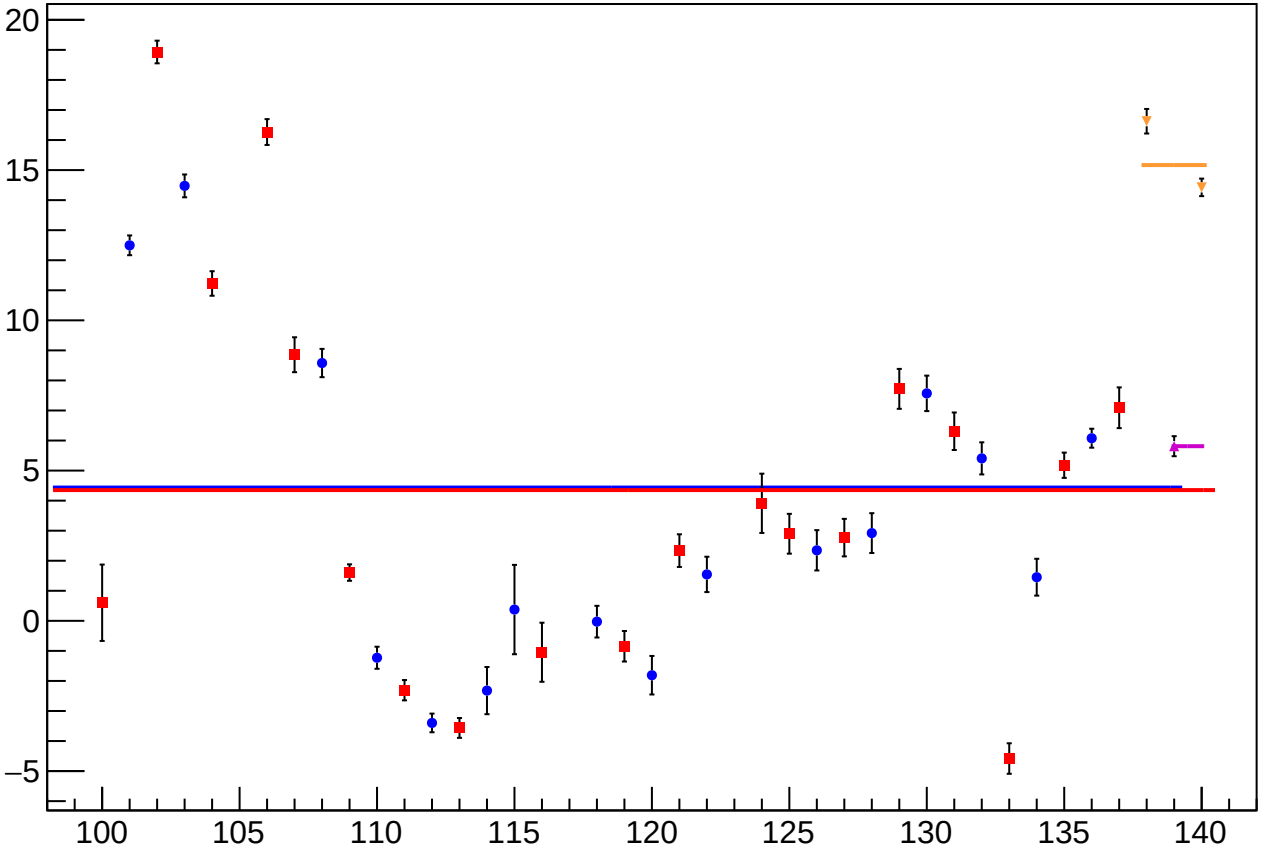
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.299+/-0.011 χ^2/NDF:1446.3/16

Out: 0.222+/-0.009 χ^2/NDF:1304.0/20

All: 0.256+/-0.007 χ^2/NDF: 2780.3/37

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: 15.167+/-0.237 χ^2/NDF:19.2/1

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 5.812+/-0.333 χ^2/NDF:0.0/0

Left: 12.020+/-0.193 χ^2/NDF: 541.9/2

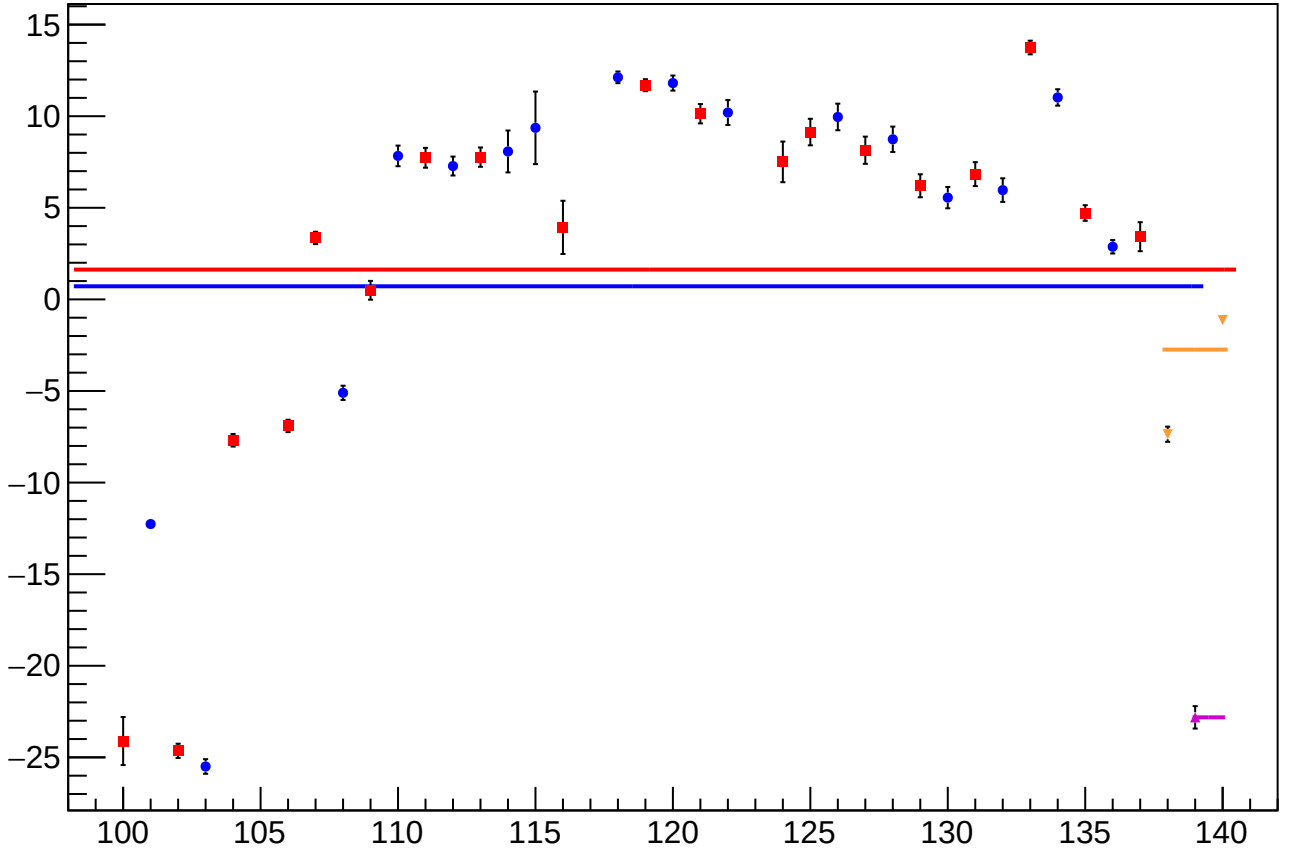
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 4.586+/-0.110 χ^2/NDF:2637.2/16

Out: 6.238+/-0.099 χ^2/NDF:5939.2/20

All: 5.500+/-0.074 χ^2/NDF: 8700.4/37

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: -2.741+/-0.211 χ^2/NDF:168.0/1

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: -22.816+/-0.612 χ^2/NDF:0.0/0

Left: -4.866+/-0.199 χ^2/NDF: 1130.6/2

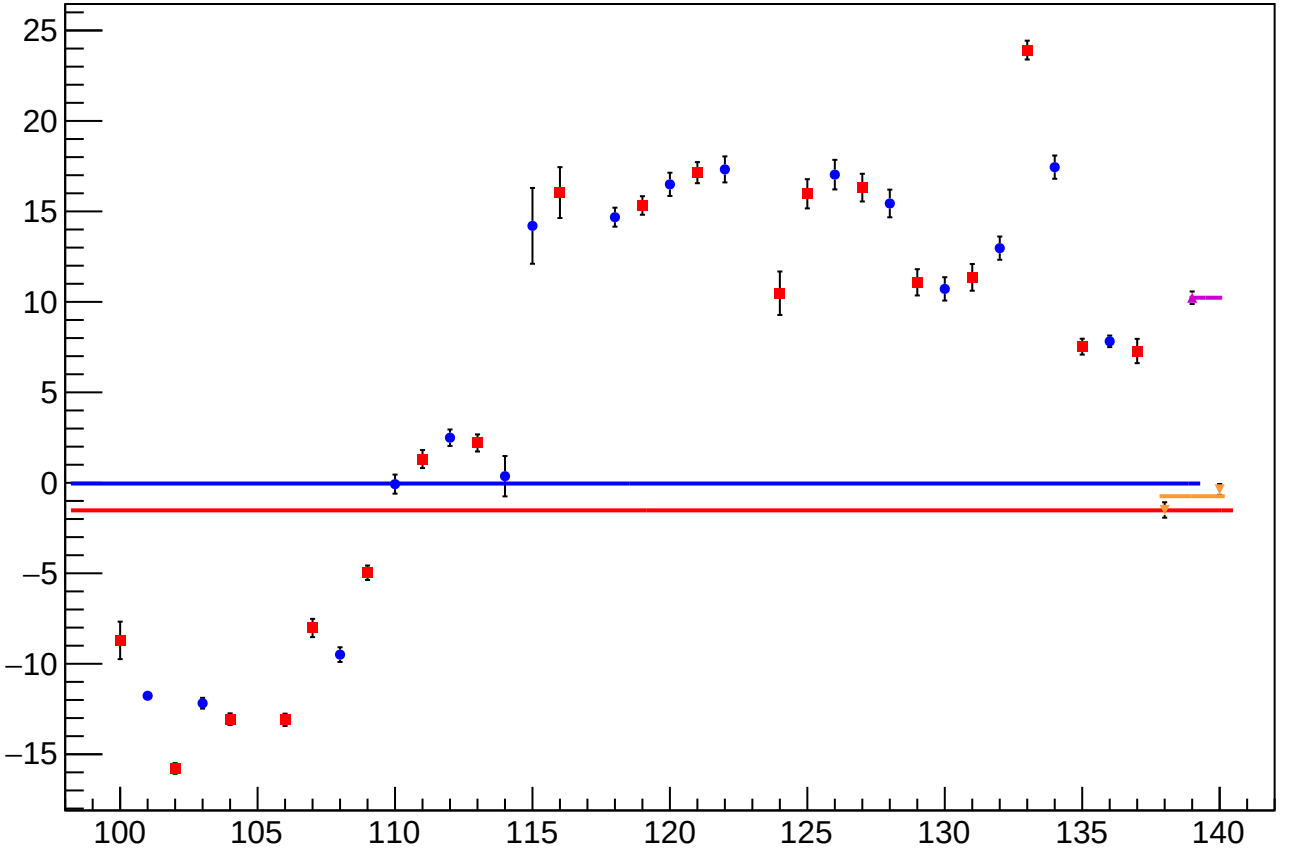
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: -0.101+/-0.114 χ^2/NDF:11881.8/16

Out: 0.676+/-0.098 χ^2/NDF:9760.3/20

All: 0.345+/-0.074 χ^2/NDF: 21668.8/37

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: -0.739+/-0.245 χ^2/NDF:4.8/1

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 10.230+/-0.346 χ^2/NDF:0.0/0

Left: 2.924+/-0.200 χ^2/NDF: 672.3/2

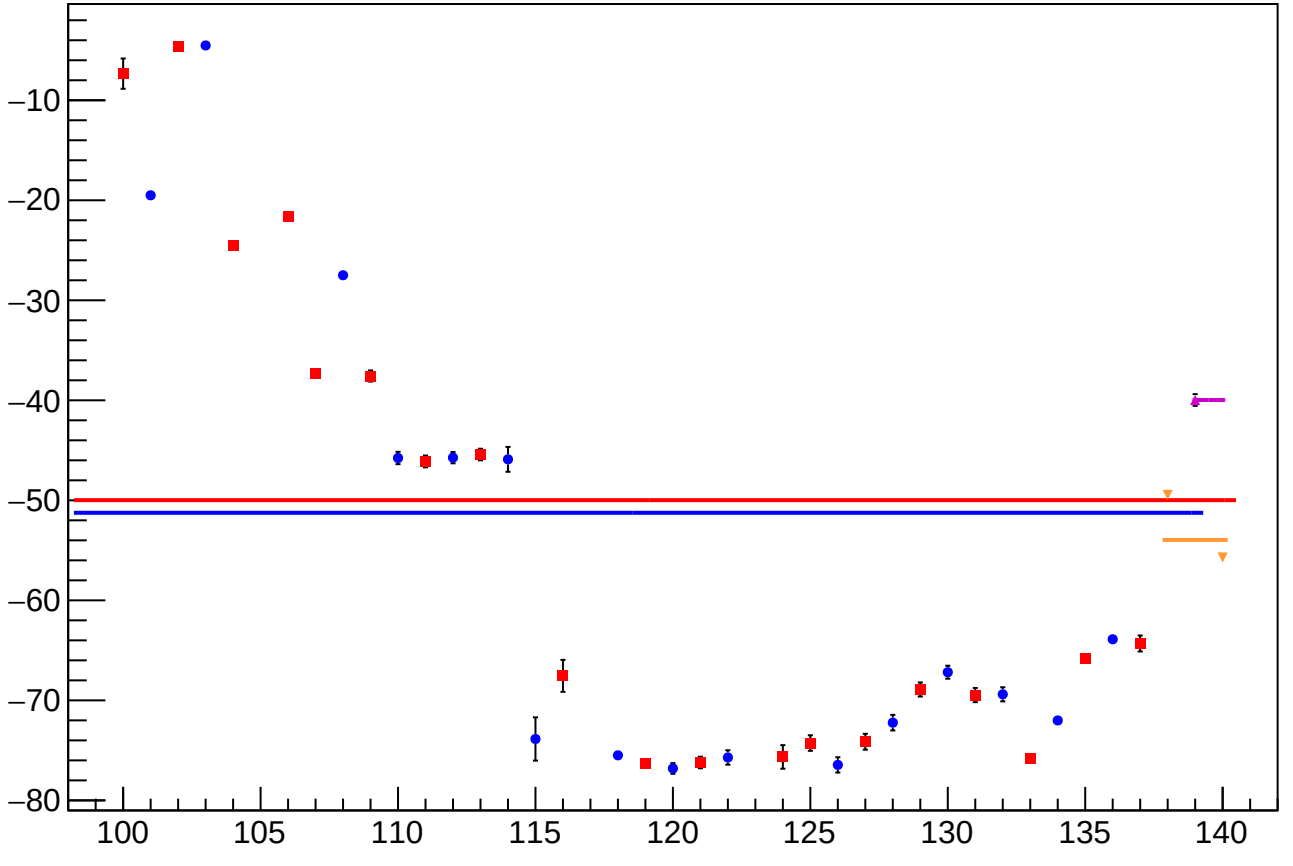
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 1.051+/-0.113 χ^2/NDF:10059.4/16

Out: -1.380+/-0.104 χ^2/NDF:12143.3/20

All: -0.261+/-0.077 χ^2/NDF: 22453.3/37

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -53.959+/-0.249 χ^2/NDF:127.5/1

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -39.970+/-0.588 χ^2/NDF:0.0/0

Left: -51.828+/-0.229 χ^2/NDF: 607.8/2

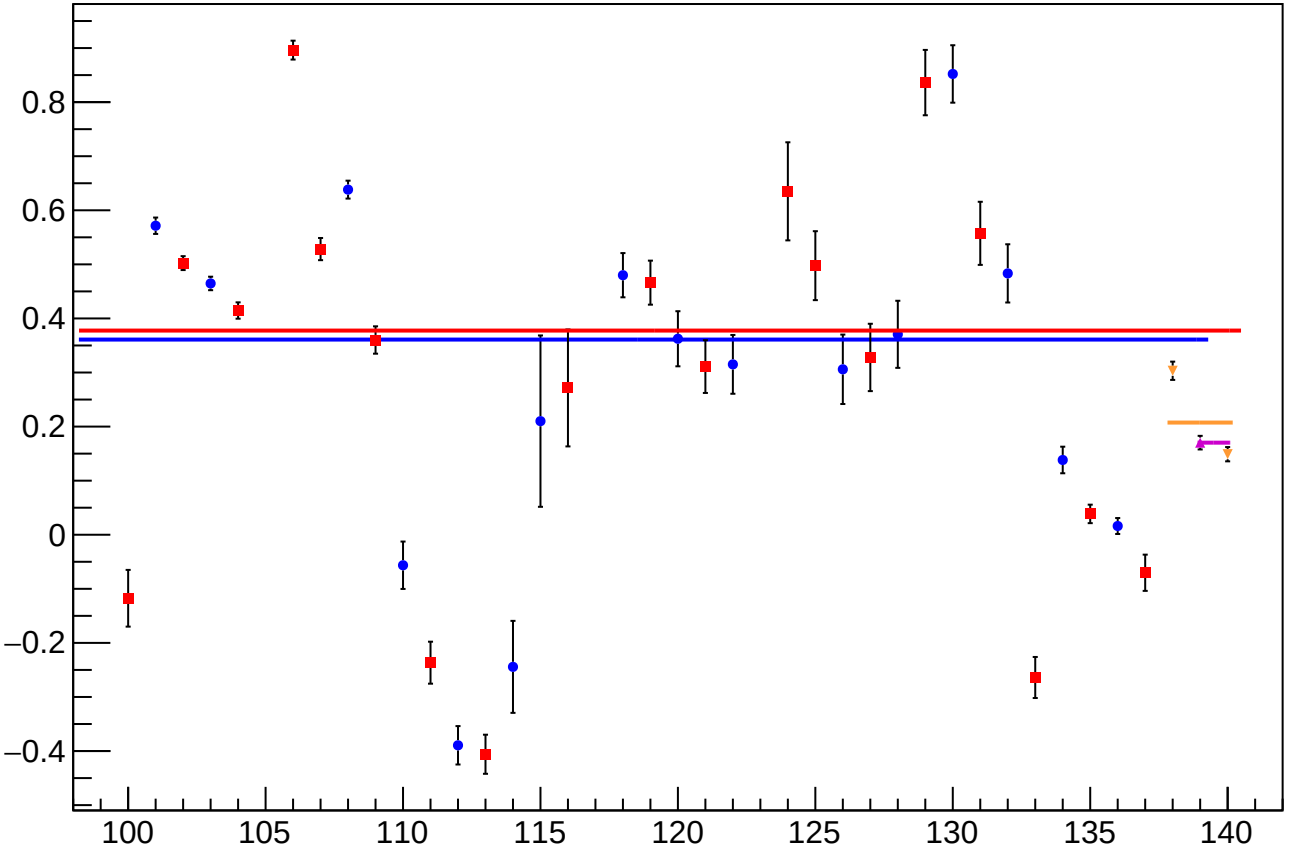
Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -50.675+/-0.132 χ^2/NDF:34114.7/16

Out: -50.841+/-0.116 χ^2/NDF:34219.7/20

All: -50.769+/-0.087 χ^2/NDF: 68335.4/37

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.207+/-0.010 χ^2/NDF:51.7/1

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.170+/-0.013 χ^2/NDF:0.0/0

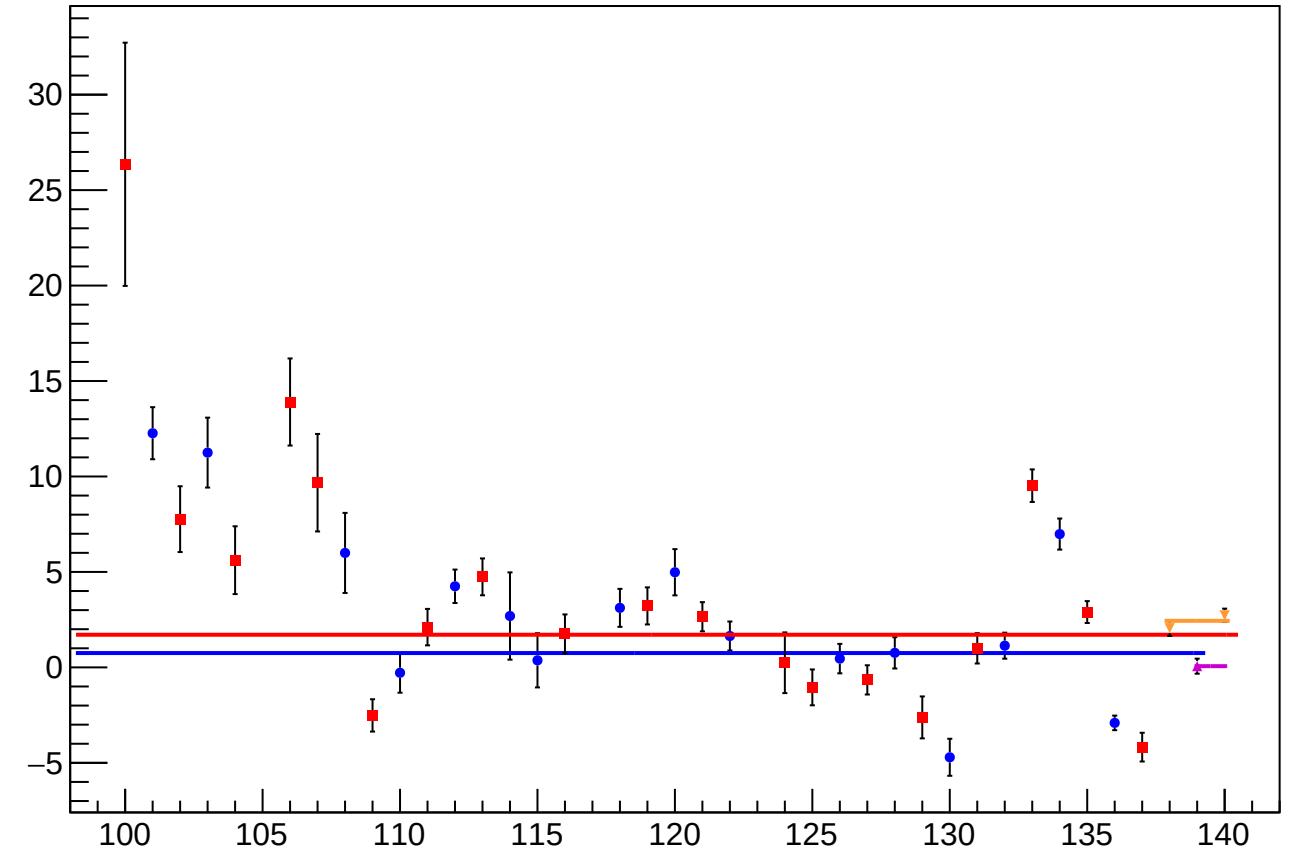
Left: 0.192+/-0.008 χ^2/NDF: 56.9/2

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.322+/-0.006 χ^2/NDF:2042.7/16

Out: 0.334+/-0.005 χ^2/NDF:3040.8/20

All: 0.328+/-0.004 χ^2/NDF: 5085.8/37



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 2.439+/-0.265 χ^2/NDF:1.6/1

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 0.064+/-0.395 χ^2/NDF:0.0/0

Left: 1.702+/-0.220 χ^2/NDF: 26.6/2

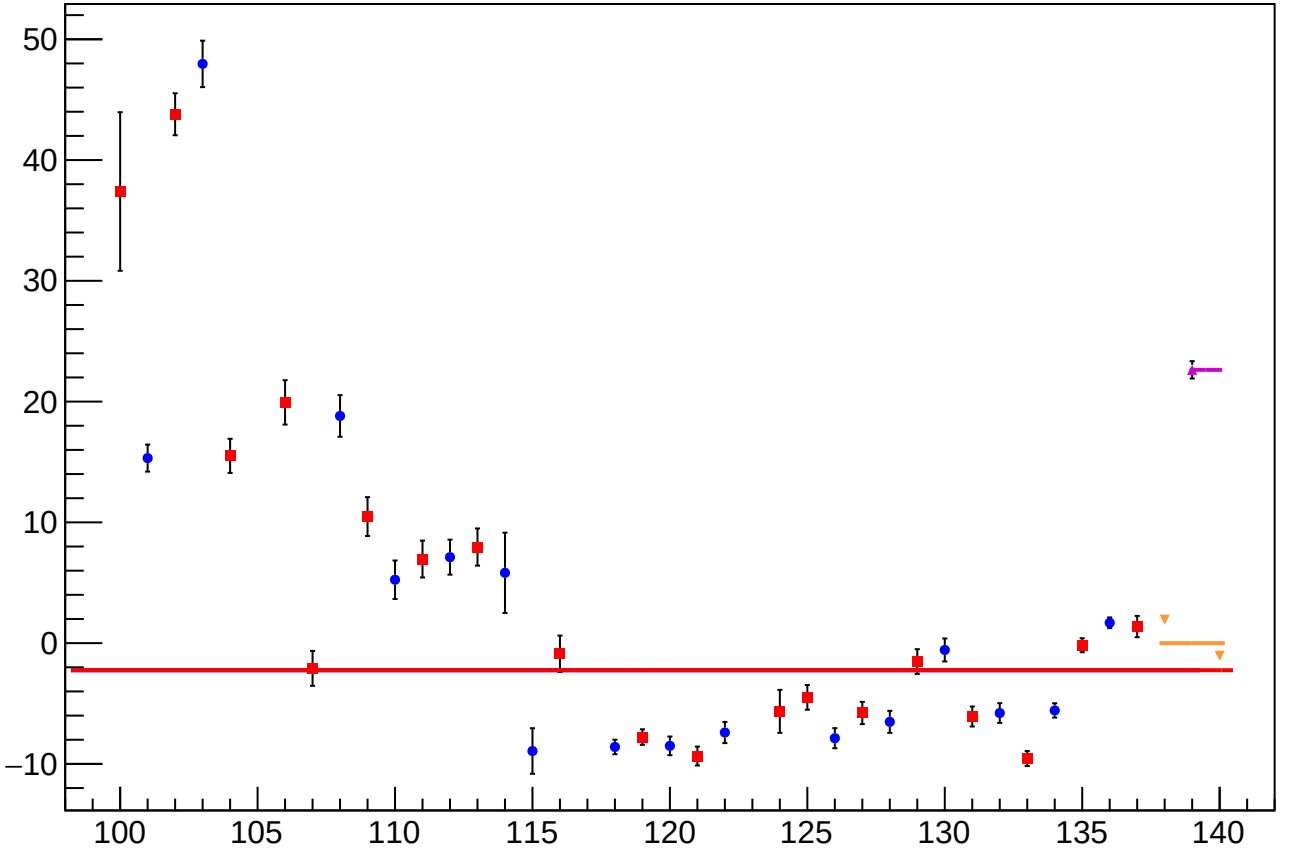
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 0.597+/-0.187 χ^2/NDF:332.4/16

Out: 2.013+/-0.170 χ^2/NDF:299.9/20

All: 1.370+/-0.126 χ^2/NDF: 663.6/37

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: 0.001+/-0.234 χ^2/NDF:37.0/1

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: 22.629+/-0.718 χ^2/NDF:0.0/0

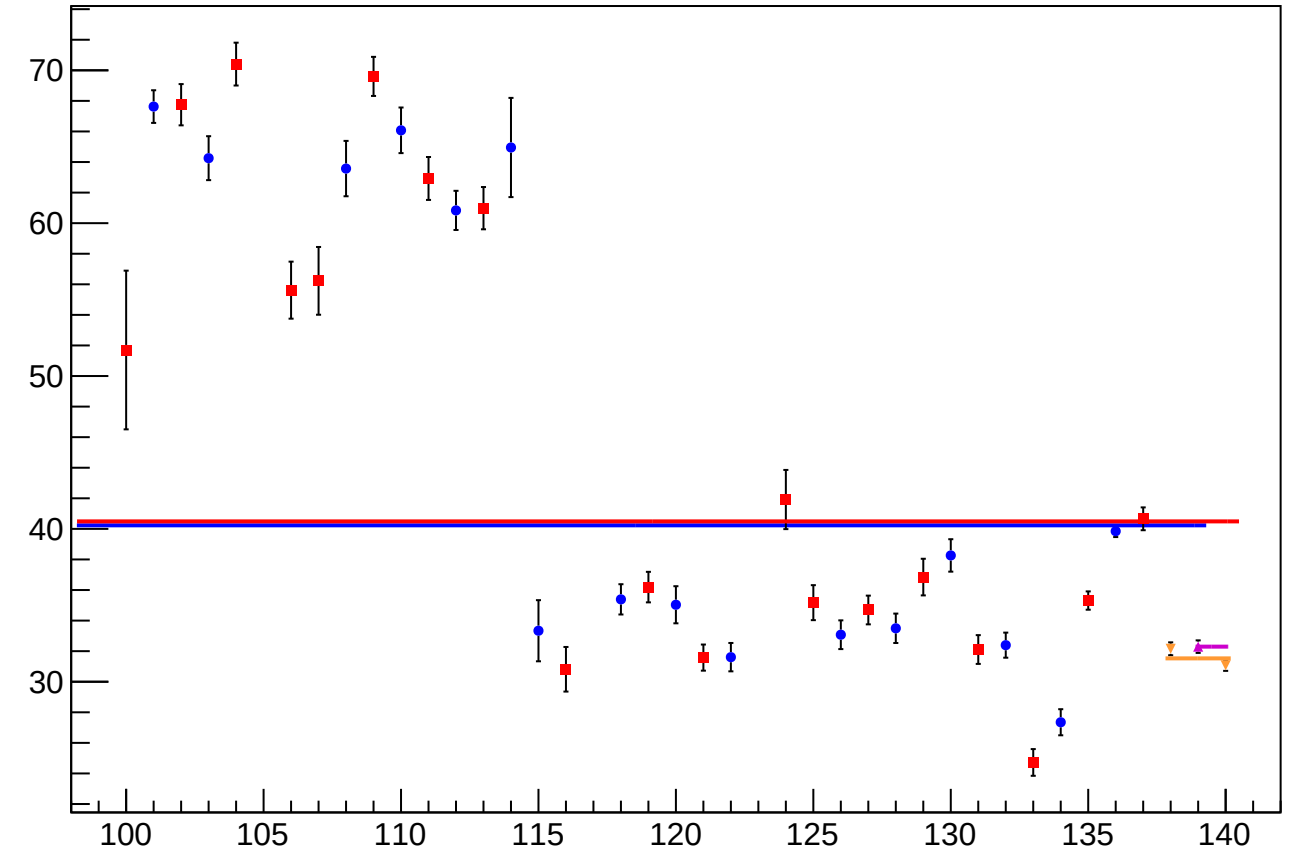
Left: 2.177+/-0.223 χ^2/NDF: 934.7/2

Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -0.193+/-0.206 χ^2/NDF:2673.7/16

Out: -1.146+/-0.164 χ^2/NDF:1639.5/20

All: -0.778+/-0.128 χ^2/NDF: 4326.3/37



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 31.528+/-0.274 χ^2/NDF:3.8/1

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 32.296+/-0.411 χ^2/NDF:0.0/0

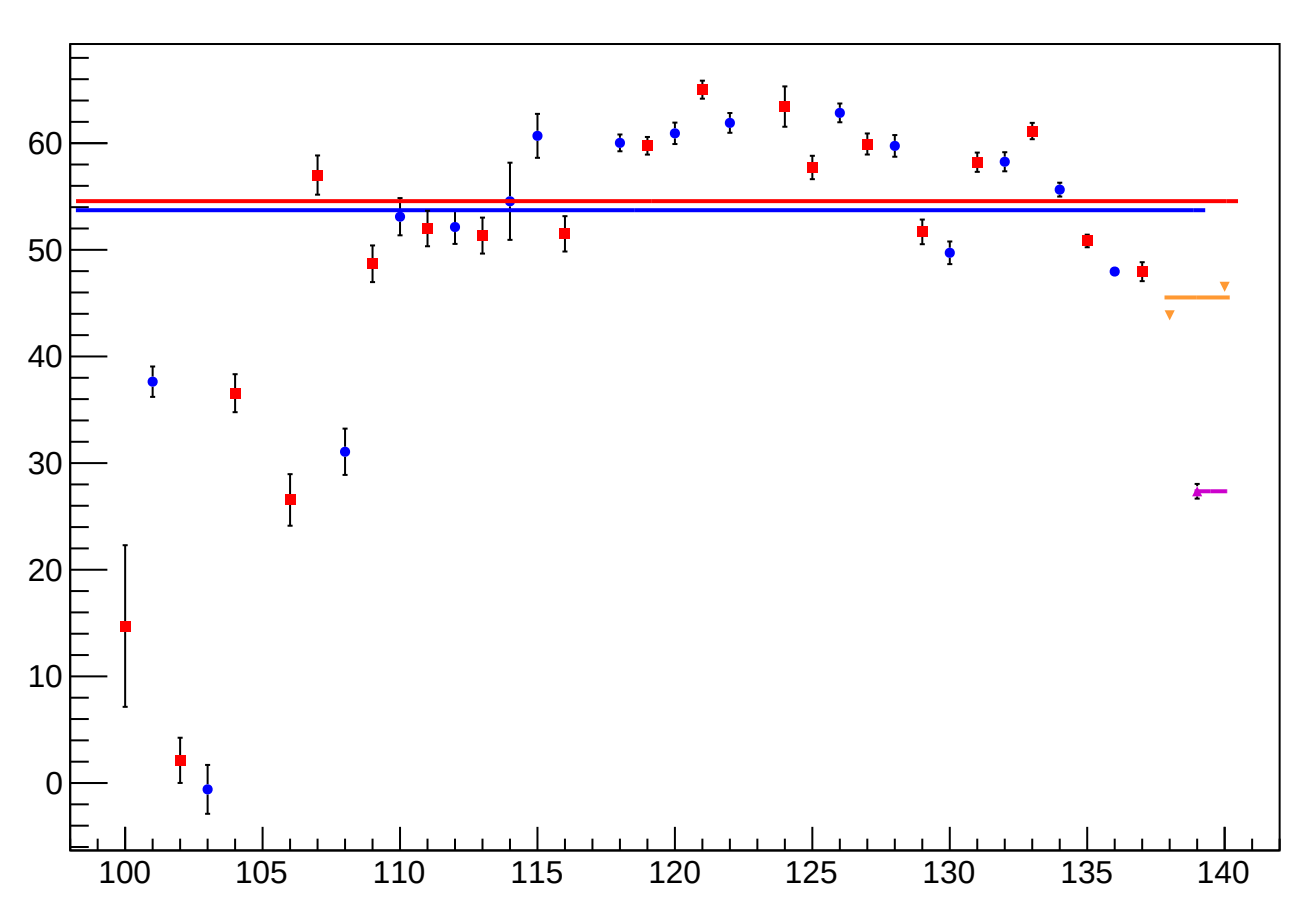
Left: 31.764+/-0.228 χ^2/NDF: 6.2/2

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 38.319+/-0.202 χ^2/NDF:2574.6/16

Out: 36.409+/-0.185 χ^2/NDF:3285.0/20

All: 37.281+/-0.136 χ^2/NDF: 5908.3/37



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 45.533+/-0.277 χ^2/NDF:21.8/1

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 27.358+/-0.689 χ^2/NDF:0.0/0

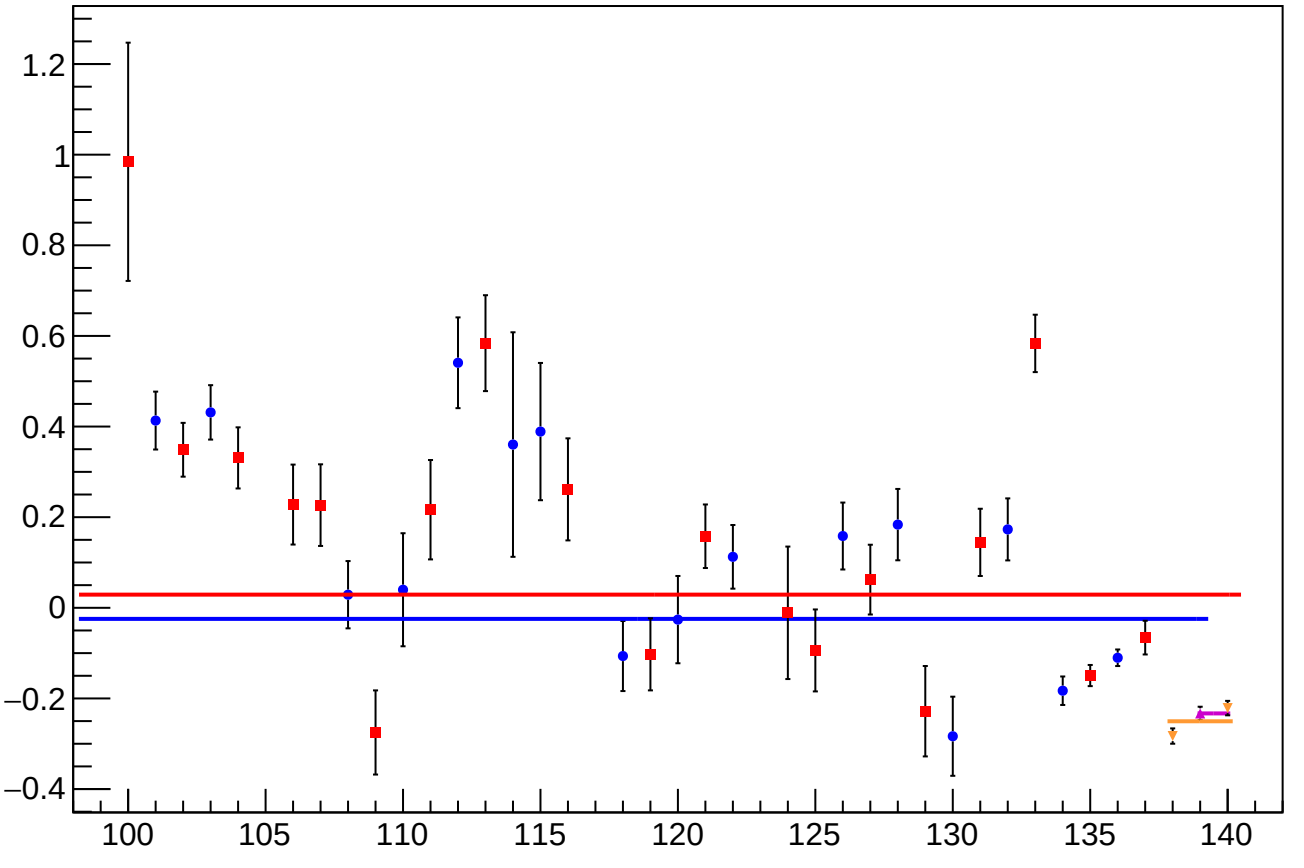
Left: 43.004+/-0.257 χ^2/NDF: 620.6/2

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 50.885+/-0.226 χ^2/NDF:2668.3/16

Out: 50.404+/-0.188 χ^2/NDF:1937.3/20

All: 50.601+/-0.145 χ^2/NDF: 4608.3/37



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.250+/-0.012 χ^2/NDF:7.0/1

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.233+/-0.015 χ^2/NDF:0.0/0

Left: -0.244+/-0.009 χ^2/NDF: 7.9/2

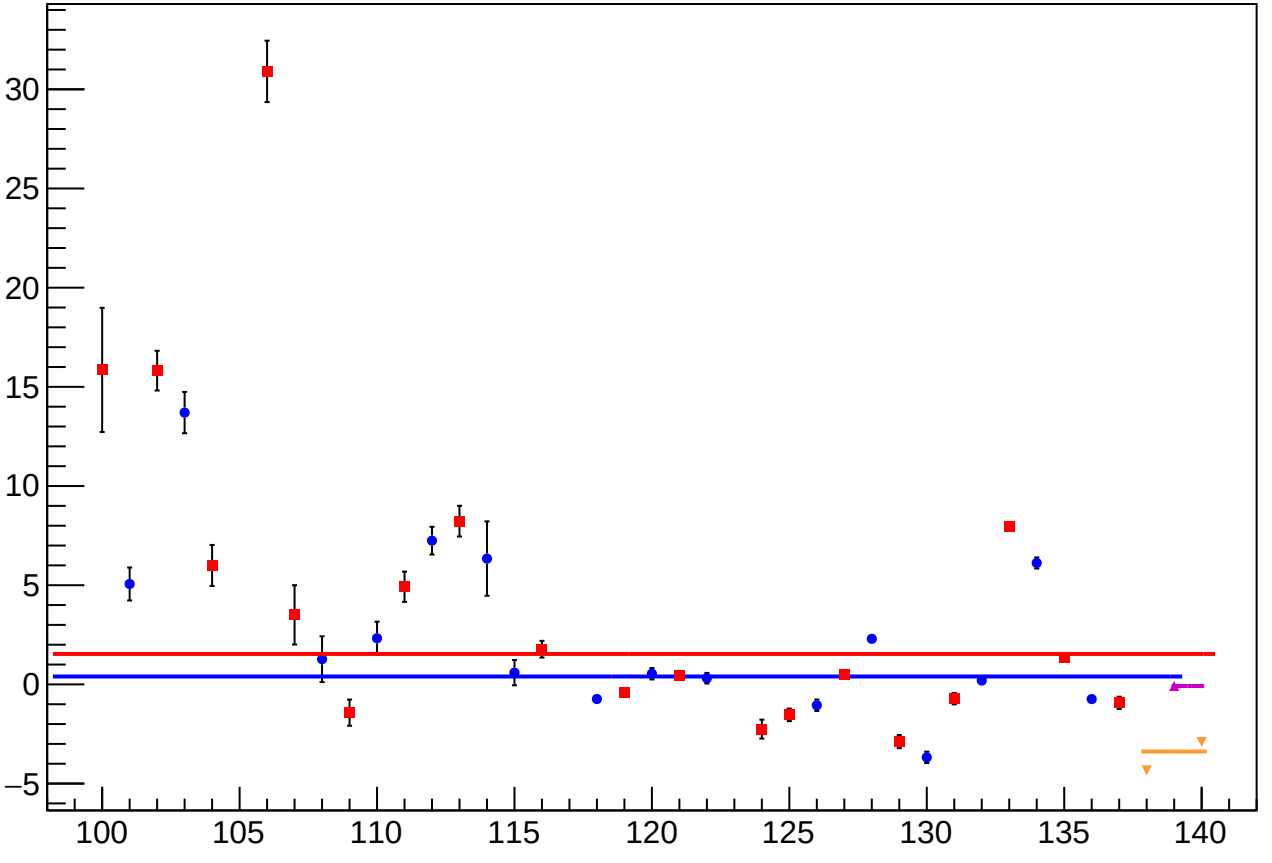
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.114+/-0.010 χ^2/NDF:343.6/16

Out: -0.139+/-0.009 χ^2/NDF:514.8/20

All: -0.127+/-0.007 χ^2/NDF: 862.0/37

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -3.383+/-0.099 χ^2/NDF:46.4/1

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.081+/-0.138 χ^2/NDF:0.0/0

Left: -2.261+/-0.080 χ^2/NDF: 424.8/2

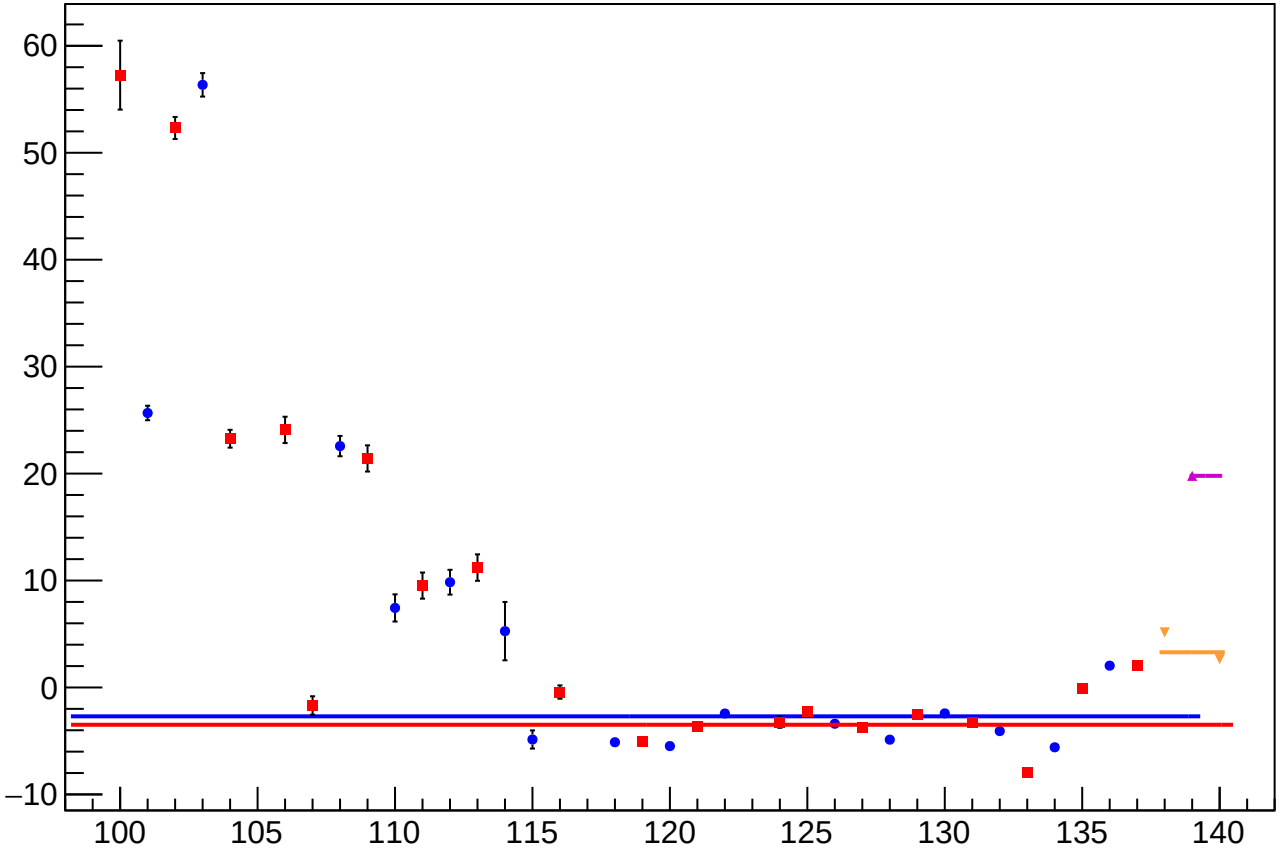
Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.284+/-0.067 χ^2/NDF:1106.5/16

Out: -0.355+/-0.061 χ^2/NDF:3979.0/20

All: -0.065+/-0.045 χ^2/NDF: 5134.9/37

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: 3.295+/-0.087 χ^2/NDF:158.0/1

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: 19.790+/-0.254 χ^2/NDF:0.0/0

Left: 5.034+/-0.083 χ^2/NDF: 3920.5/2

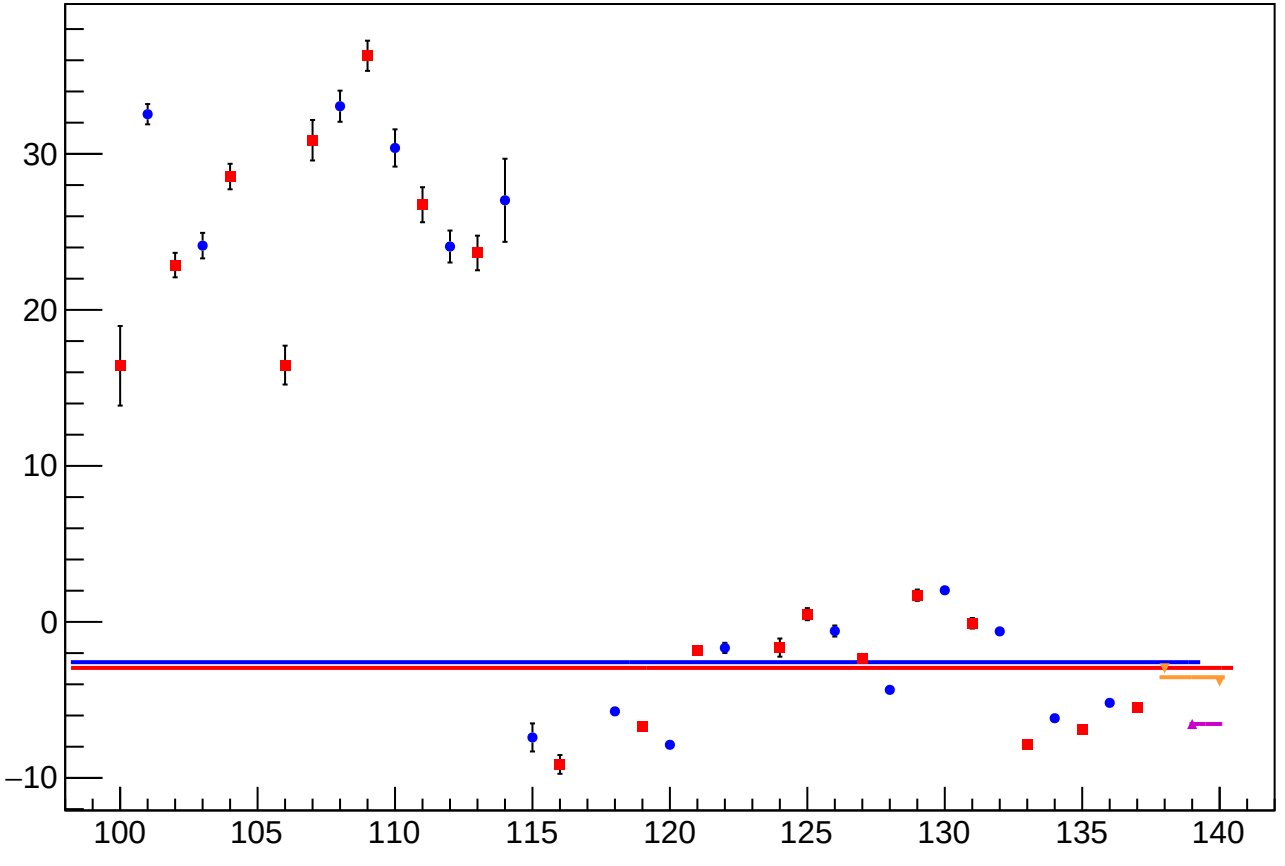
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.085+/-0.068 χ^2/NDF:14360.3/16

Out: -0.793+/-0.055 χ^2/NDF:10953.9/20

All: -0.908+/-0.043 χ^2/NDF: 25325.3/37

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -3.546+/-0.102 χ^2/NDF:15.1/1

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.542+/-0.143 χ^2/NDF:0.0/0

Left: -4.557+/-0.083 χ^2/NDF: 304.6/2

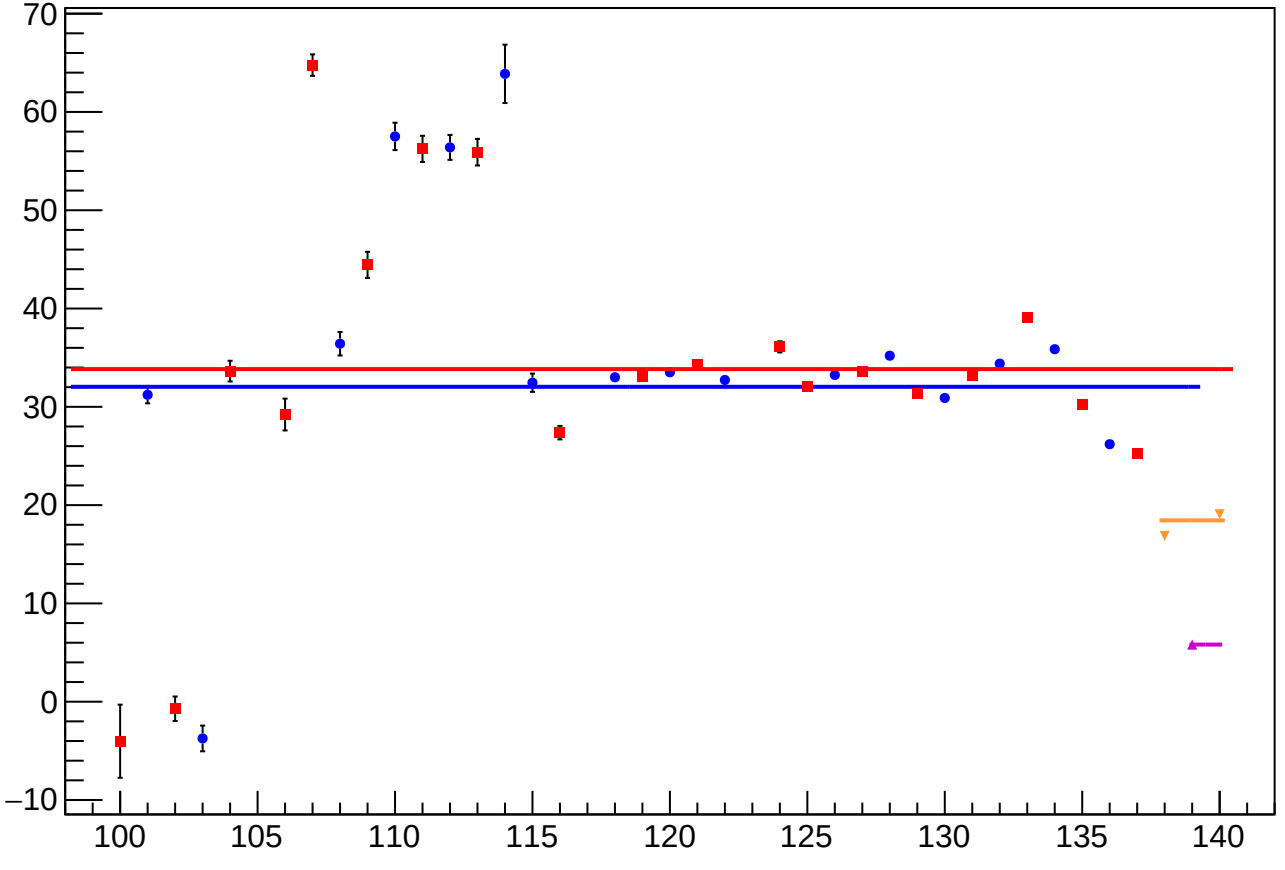
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -3.578+/-0.072 χ^2/NDF:8731.4/16

Out: -3.192+/-0.065 χ^2/NDF:8231.8/20

All: -3.367+/-0.048 χ^2/NDF: 16978.9/37

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 18.448+/-0.103 χ^2/NDF:91.4/1

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 5.811+/-0.244 χ^2/NDF:0.0/0

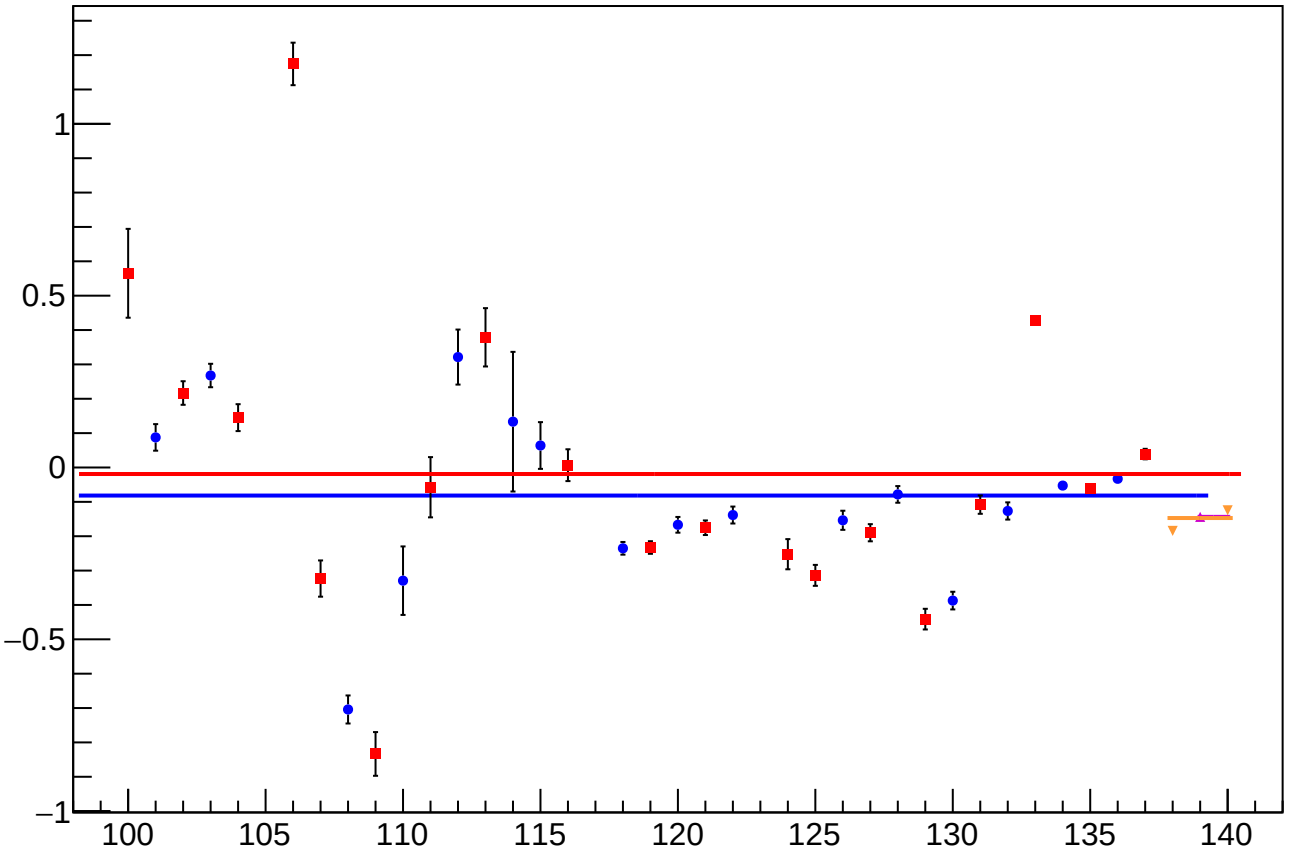
Left: 16.528+/-0.095 χ^2/NDF: 2358.2/2

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 29.426+/-0.077 χ^2/NDF:13622.6/16

Out: 27.933+/-0.064 χ^2/NDF:17968.1/20

All: 28.543+/-0.049 χ^2/NDF: 31812.4/37



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.147+/-0.004 χ^2/NDF:44.3/1

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.144+/-0.005 χ^2/NDF:0.0/0

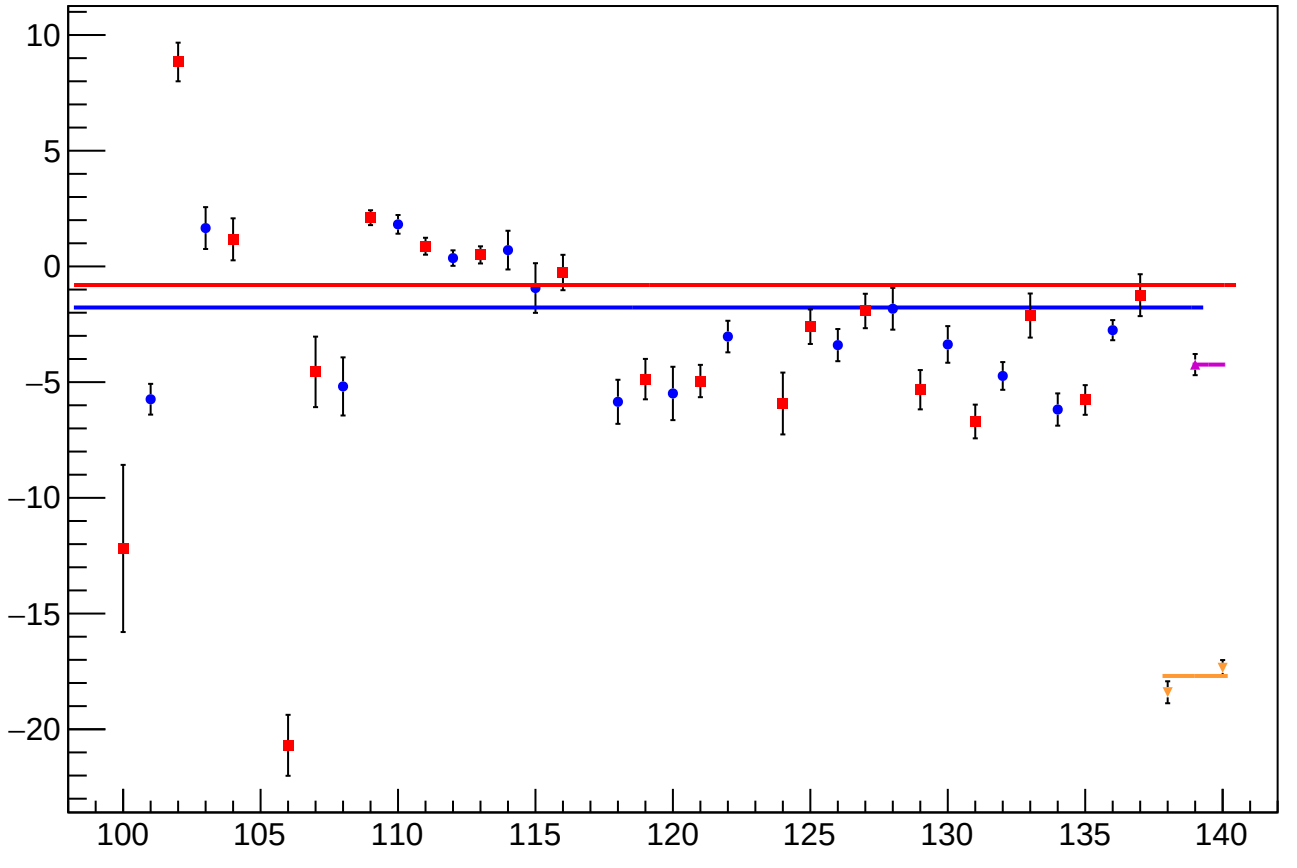
Left: -0.146+/-0.003 χ^2/NDF: 44.6/2

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.110+/-0.004 χ^2/NDF:765.0/16

Out: -0.094+/-0.003 χ^2/NDF:2674.8/20

All: -0.102+/-0.002 χ^2/NDF: 3450.6/37



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -17.696+/-0.274 χ^2/NDF:3.3/1

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -4.242+/-0.457 χ^2/NDF:0.0/0

Left: -14.139+/-0.235 χ^2/NDF: 641.3/2

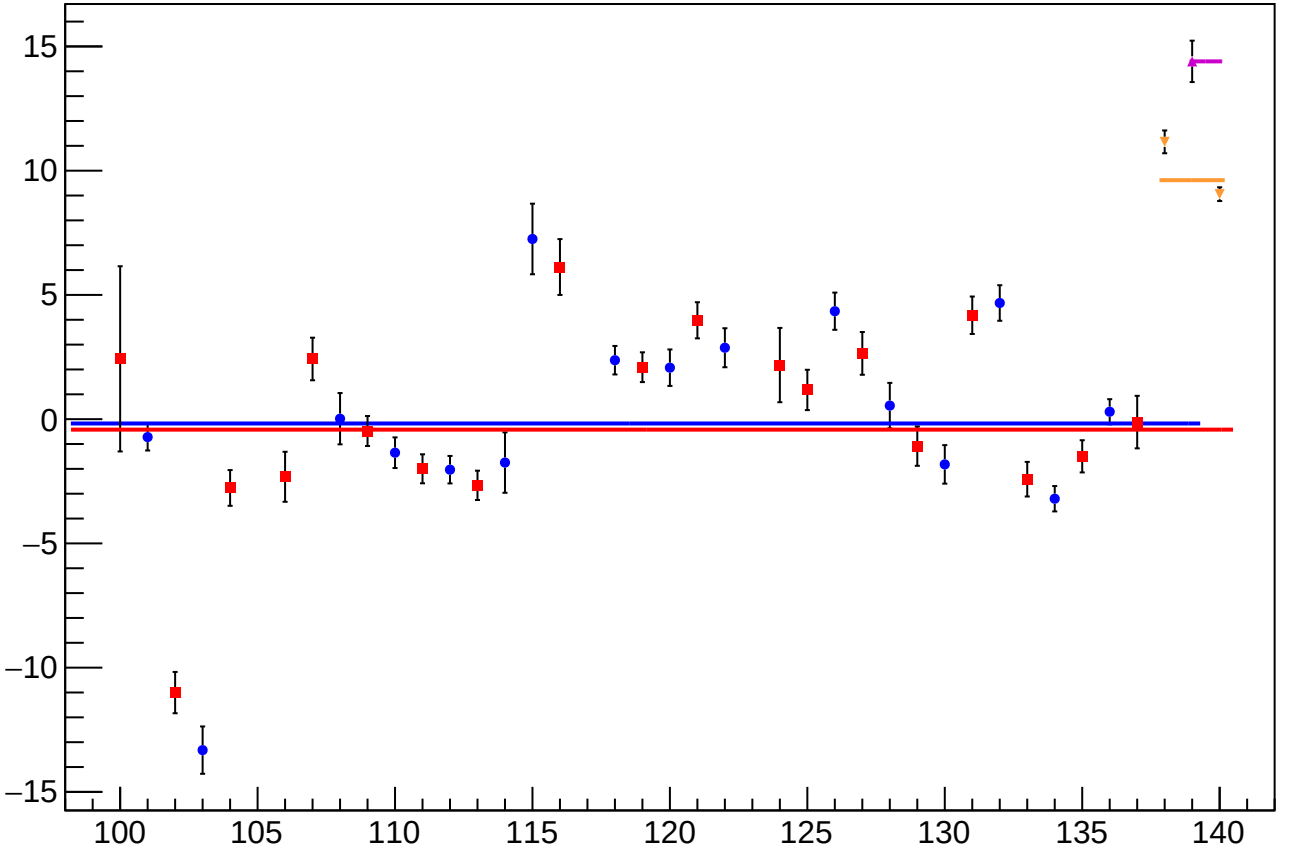
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -2.036+/-0.149 χ^2/NDF:323.8/16

Out: -4.633+/-0.130 χ^2/NDF:3678.4/20

All: -3.503+/-0.098 χ^2/NDF: 4174.8/37

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 9.617+/-0.237 χ^2/NDF:15.4/1

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 14.399+/-0.833 χ^2/NDF:0.0/0

Left: 9.975+/-0.228 χ^2/NDF: 45.9/2

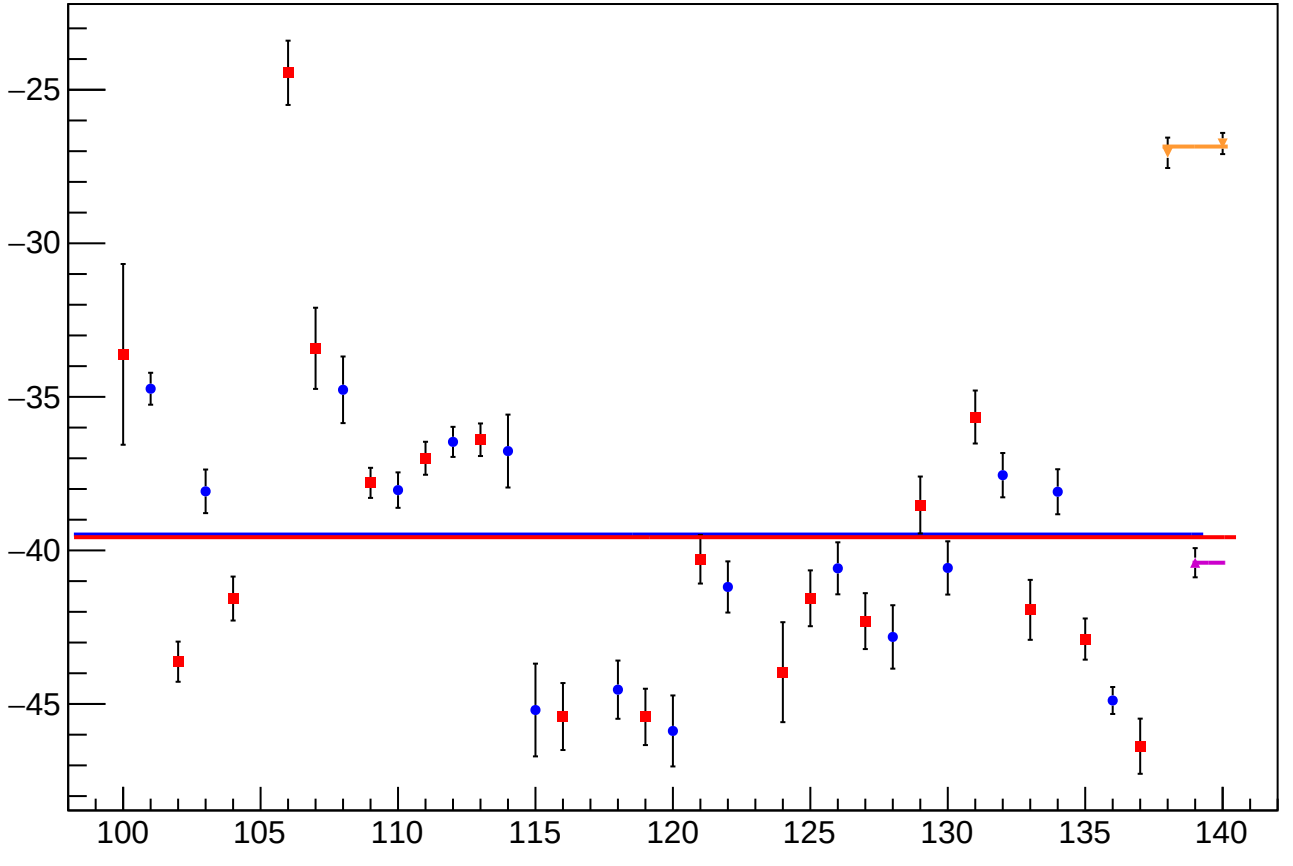
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 0.428+/-0.169 χ^2/NDF:696.3/16

Out: 3.179+/-0.142 χ^2/NDF:1532.5/20

All: 2.045+/-0.109 χ^2/NDF: 2383.8/37

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -26.849+/-0.283 χ^2/NDF:0.3/1

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -40.401+/-0.475 χ^2/NDF:0.0/0

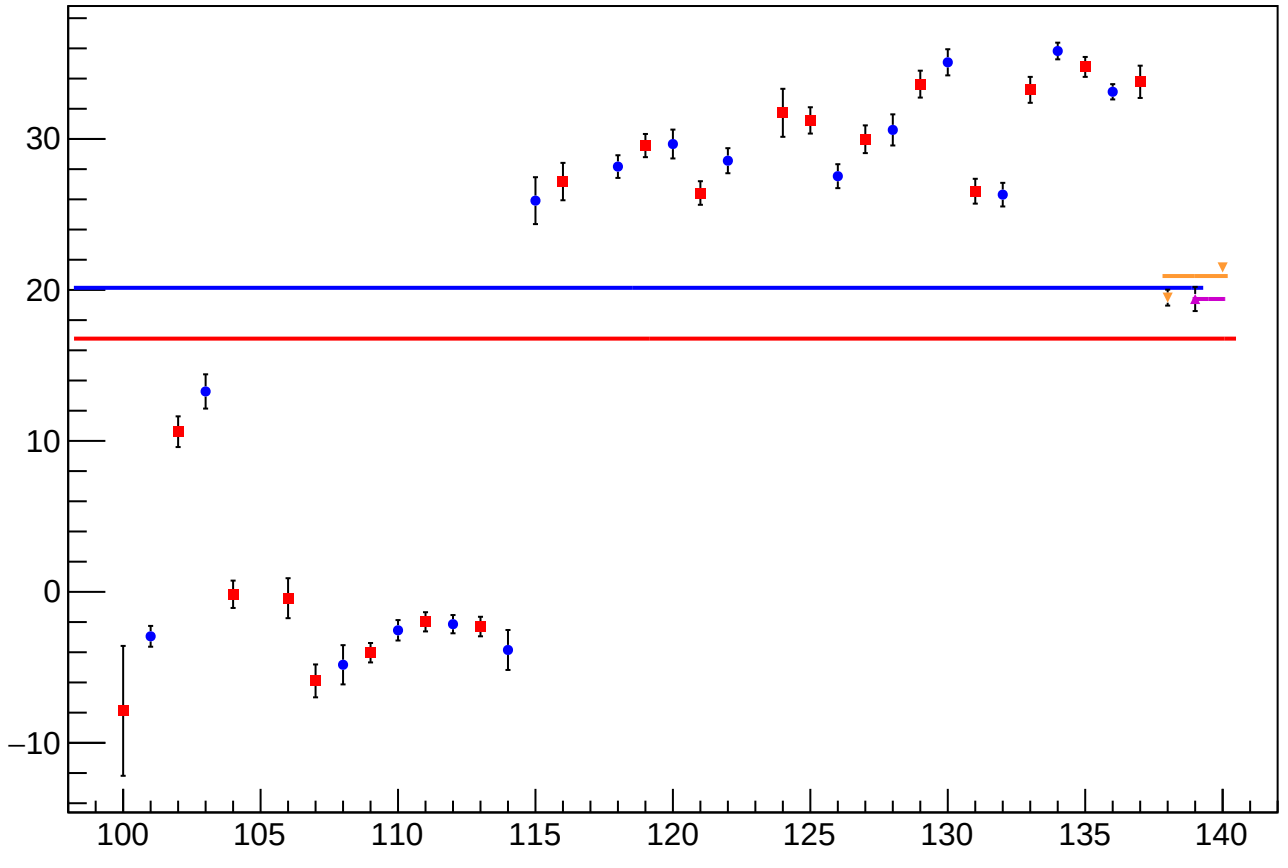
Left: -30.395+/-0.243 χ^2/NDF: 600.3/2

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -39.599+/-0.169 χ^2/NDF:412.5/16

Out: -35.877+/-0.152 χ^2/NDF:1987.8/20

All: -37.553+/-0.113 χ^2/NDF: 2668.4/37



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 20.921+/-0.282 χ^2/NDF:10.3/1

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 19.400+/-0.800 χ^2/NDF:0.0/0

Left: 20.753+/-0.266 χ^2/NDF: 13.5/2

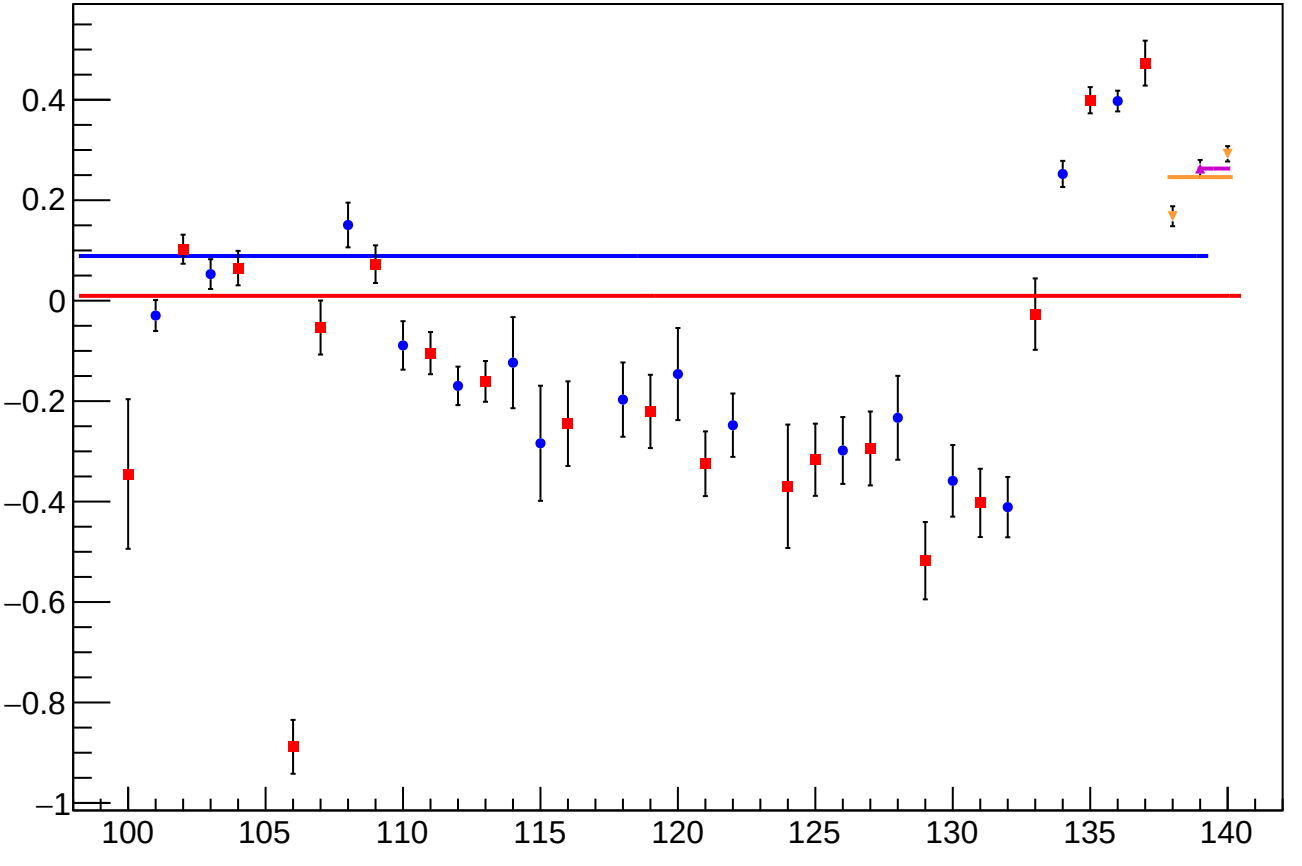
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 20.099+/-0.189 χ^2/NDF:6685.4/16

Out: 18.162+/-0.163 χ^2/NDF:6893.5/20

All: 18.986+/-0.123 χ^2/NDF: 13639.1/37

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: 0.246+/-0.012 χ^2/NDF:24.6/1

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.263+/-0.017 χ^2/NDF:0.0/0

Left: 0.252+/-0.010 χ^2/NDF: 25.2/2

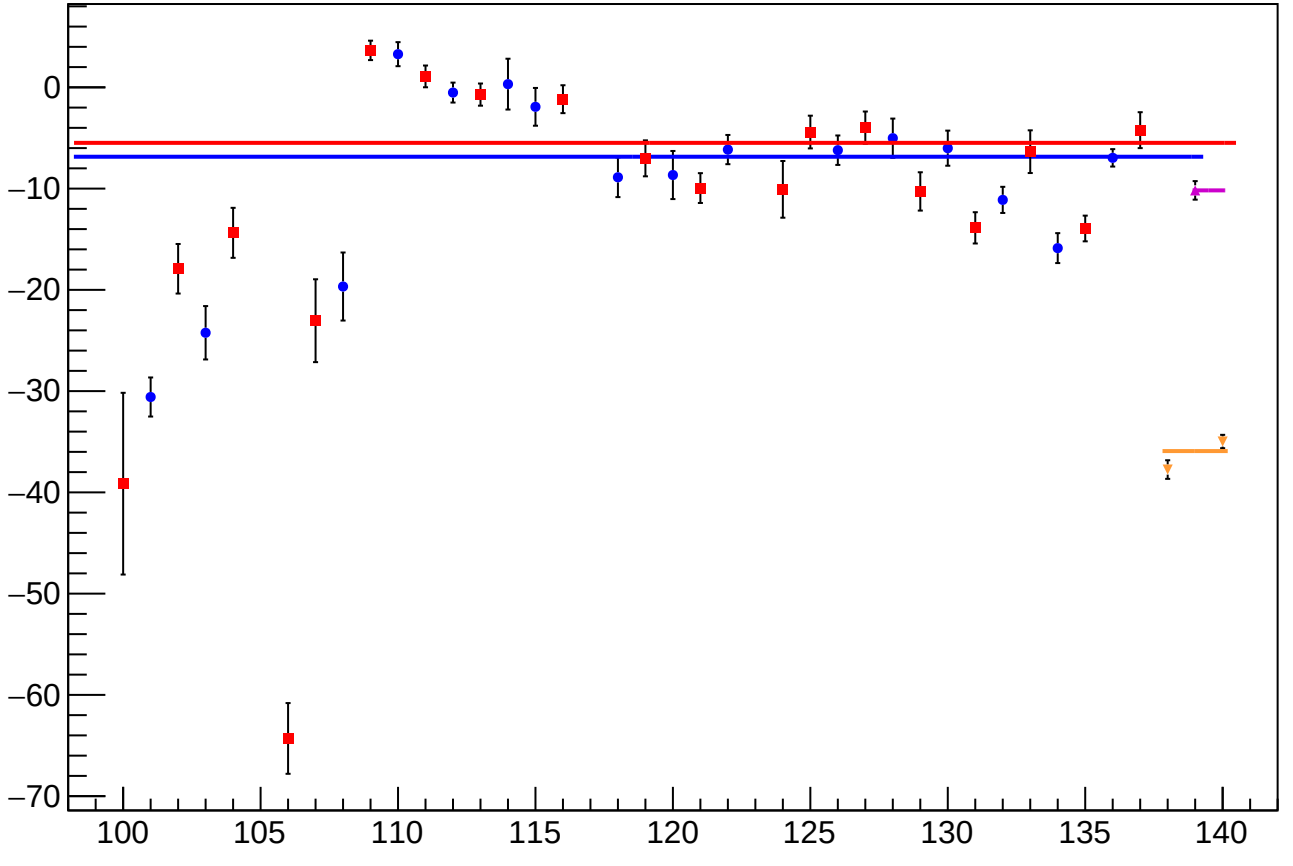
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.136+/-0.009 χ^2/NDF:639.3/16

Out: 0.117+/-0.008 χ^2/NDF:1067.6/20

All: 0.125+/-0.006 χ^2/NDF: 1709.4/37

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -35.921+/-0.536 χ^2/NDF:6.0/1

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -10.176+/-0.916 χ^2/NDF:0.0/0

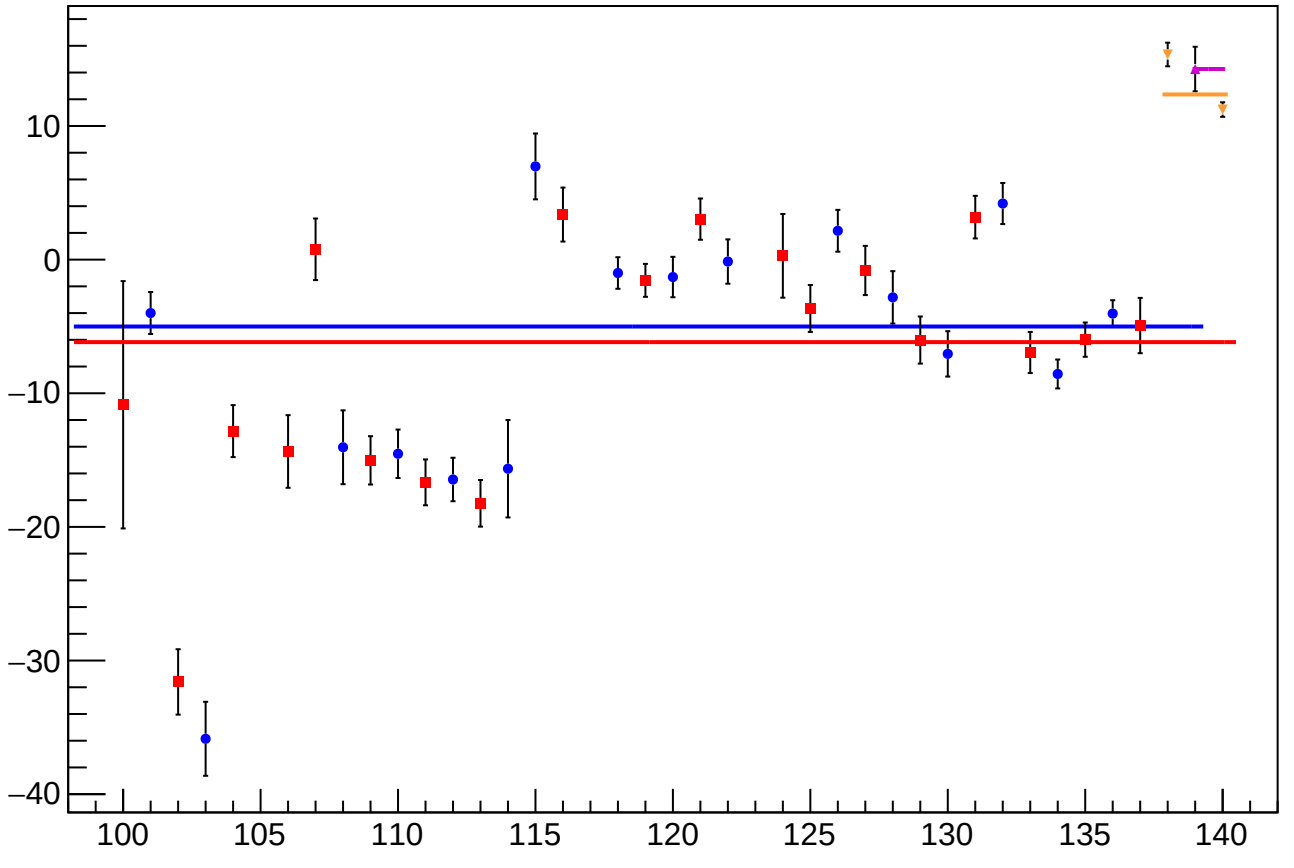
Left: -29.343+/-0.463 χ^2/NDF: 594.5/2

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -7.331+/-0.348 χ^2/NDF:401.3/16

Out: -15.259+/-0.304 χ^2/NDF:2798.1/20

All: -11.822+/-0.229 χ^2/NDF: 3494.2/37



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 12.361+/-0.464 χ^2/NDF:15.7/1

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 14.264+/-1.666 χ^2/NDF:0.0/0

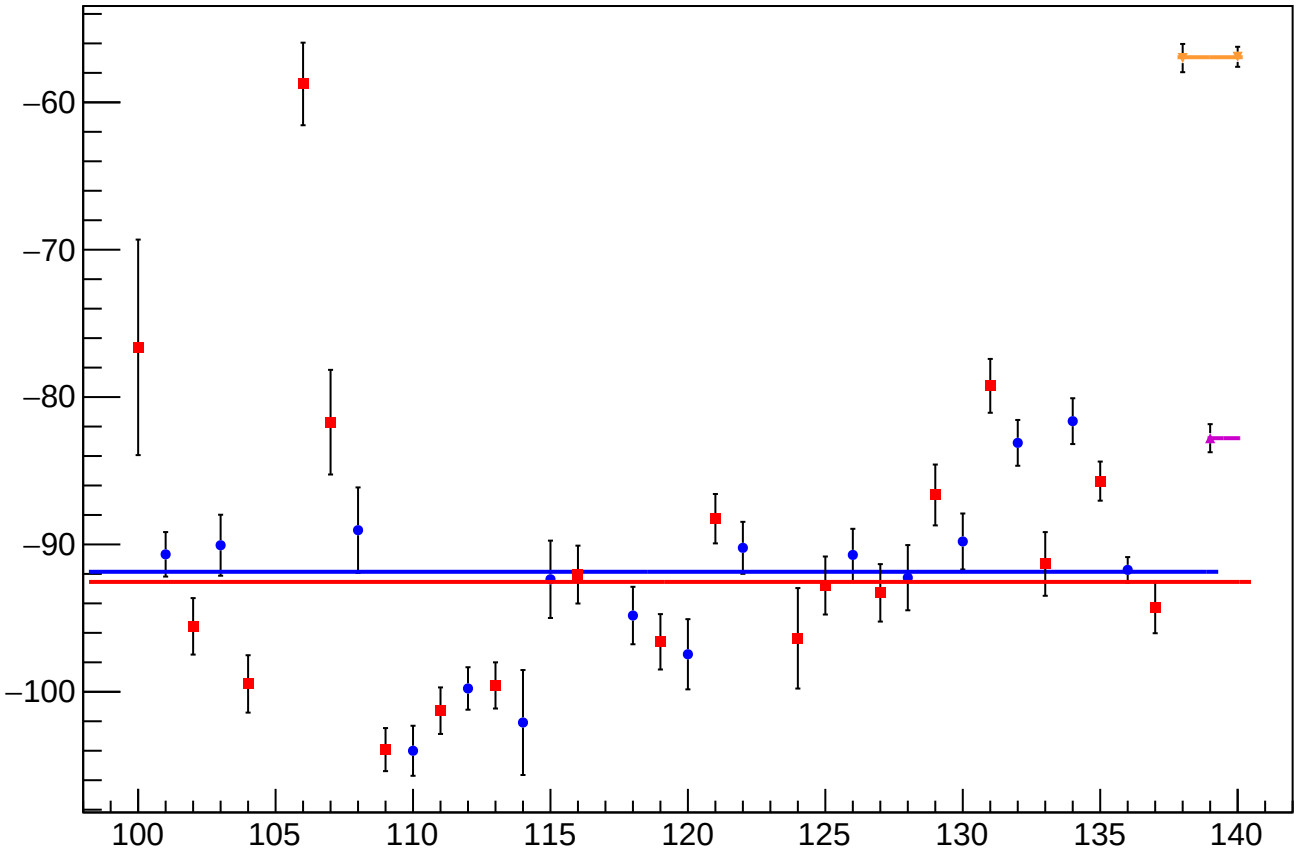
Left: 12.497+/-0.447 χ^2/NDF: 17.0/2

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -3.978+/-0.385 χ^2/NDF:468.3/16

Out: 2.105+/-0.310 χ^2/NDF:1269.1/20

All: -0.289+/-0.241 χ^2/NDF: 1889.1/37



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -56.938+/-0.554 χ^2/NDF:0.0/1

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -82.790+/-0.953 χ^2/NDF:0.0/0

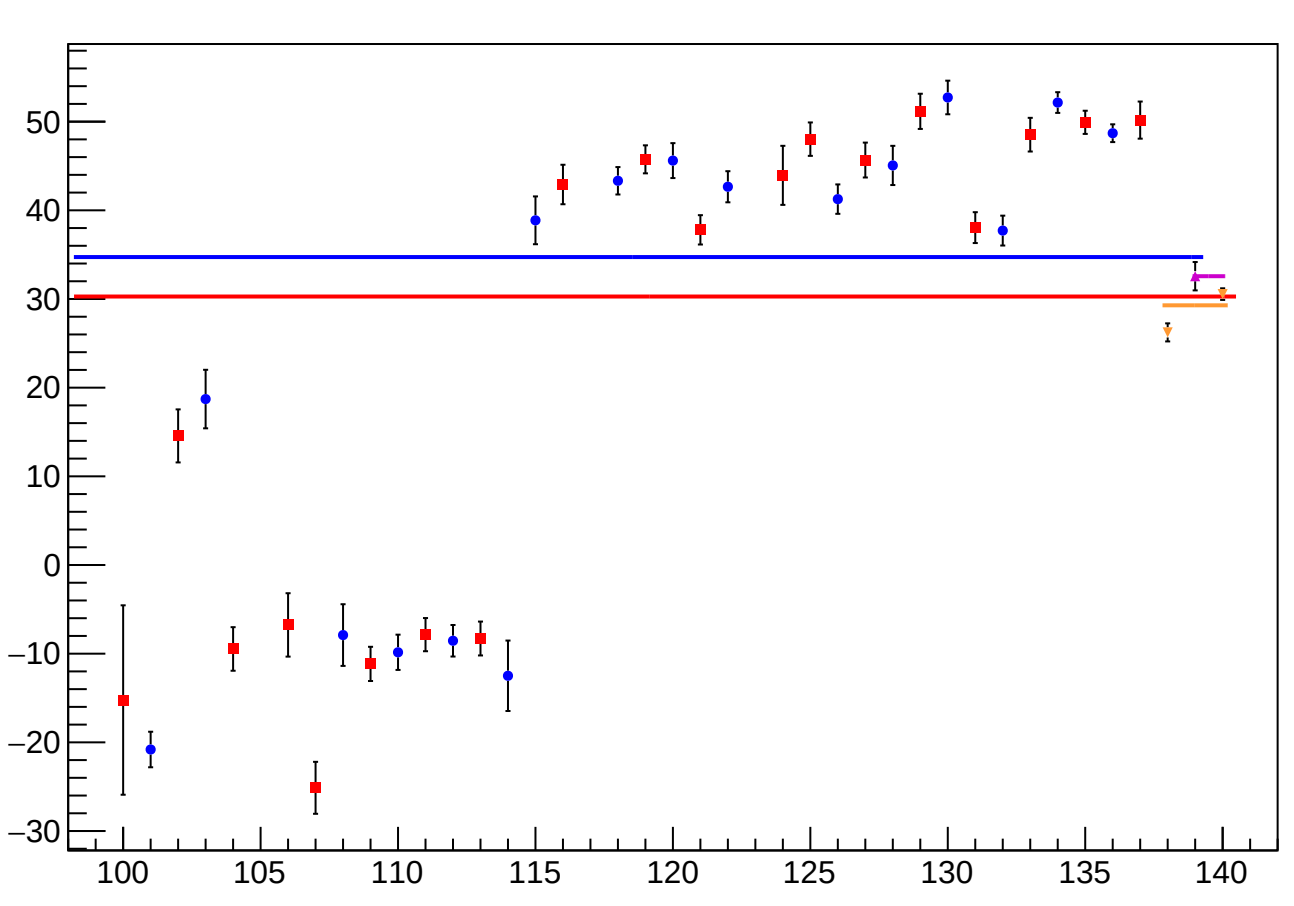
Left: -63.472+/-0.479 χ^2/NDF: 549.8/2

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -90.358+/-0.387 χ^2/NDF:252.8/16

Out: -78.809+/-0.344 χ^2/NDF:2922.5/20

All: -83.904+/-0.257 χ^2/NDF: 3671.9/37



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 29.286+/-0.551 χ^2/NDF:12.7/1

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 32.569+/-1.599 χ^2/NDF:0.0/0

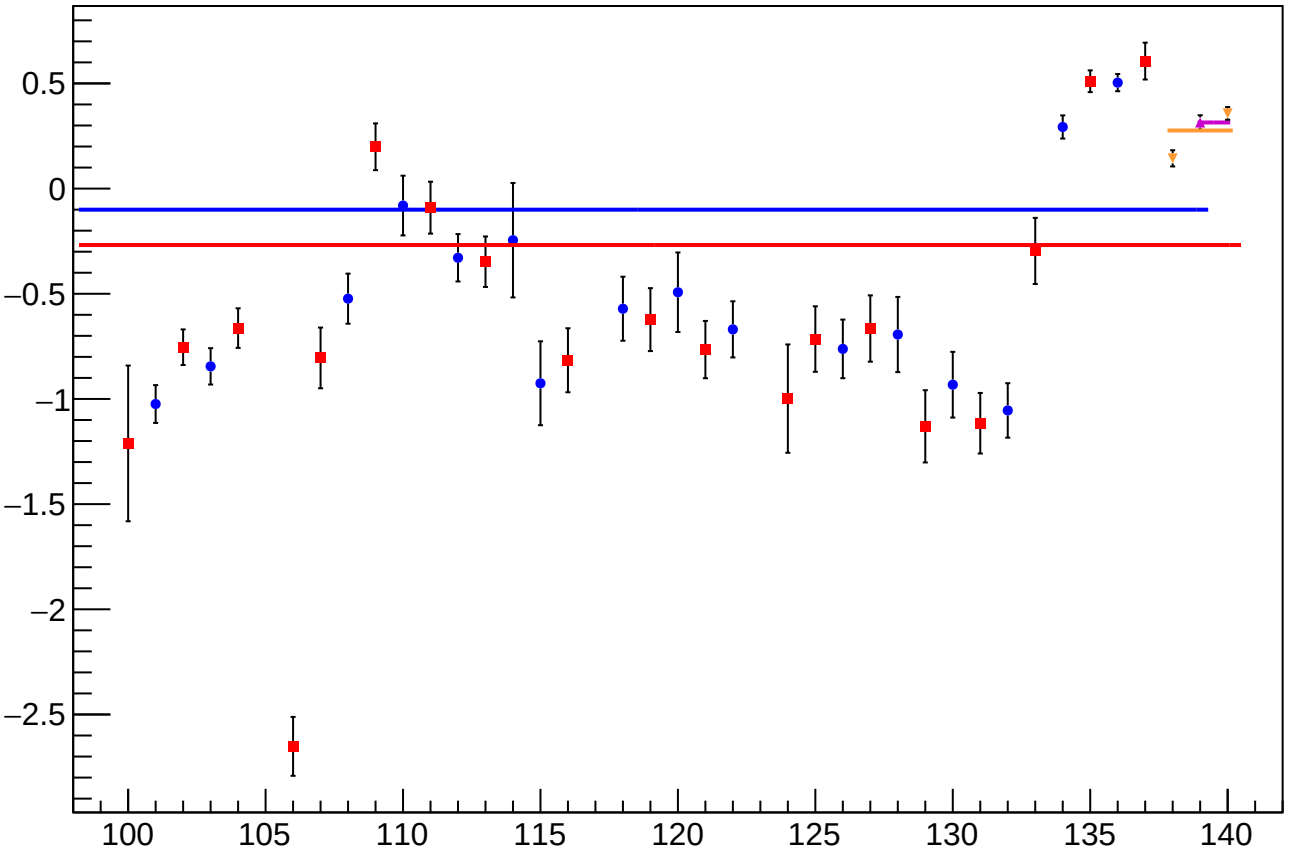
Left: 29.635+/-0.521 χ^2/NDF: 16.5/2

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 34.576+/-0.426 χ^2/NDF:2810.8/16

Out: 29.864+/-0.356 χ^2/NDF:2925.8/20

All: 31.804+/-0.273 χ^2/NDF: 5808.6/37



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.276+/-0.024 χ^2/NDF:19.0/1

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.314+/-0.034 χ^2/NDF:0.0/0

Left: 0.289+/-0.020 χ^2/NDF: 19.9/2

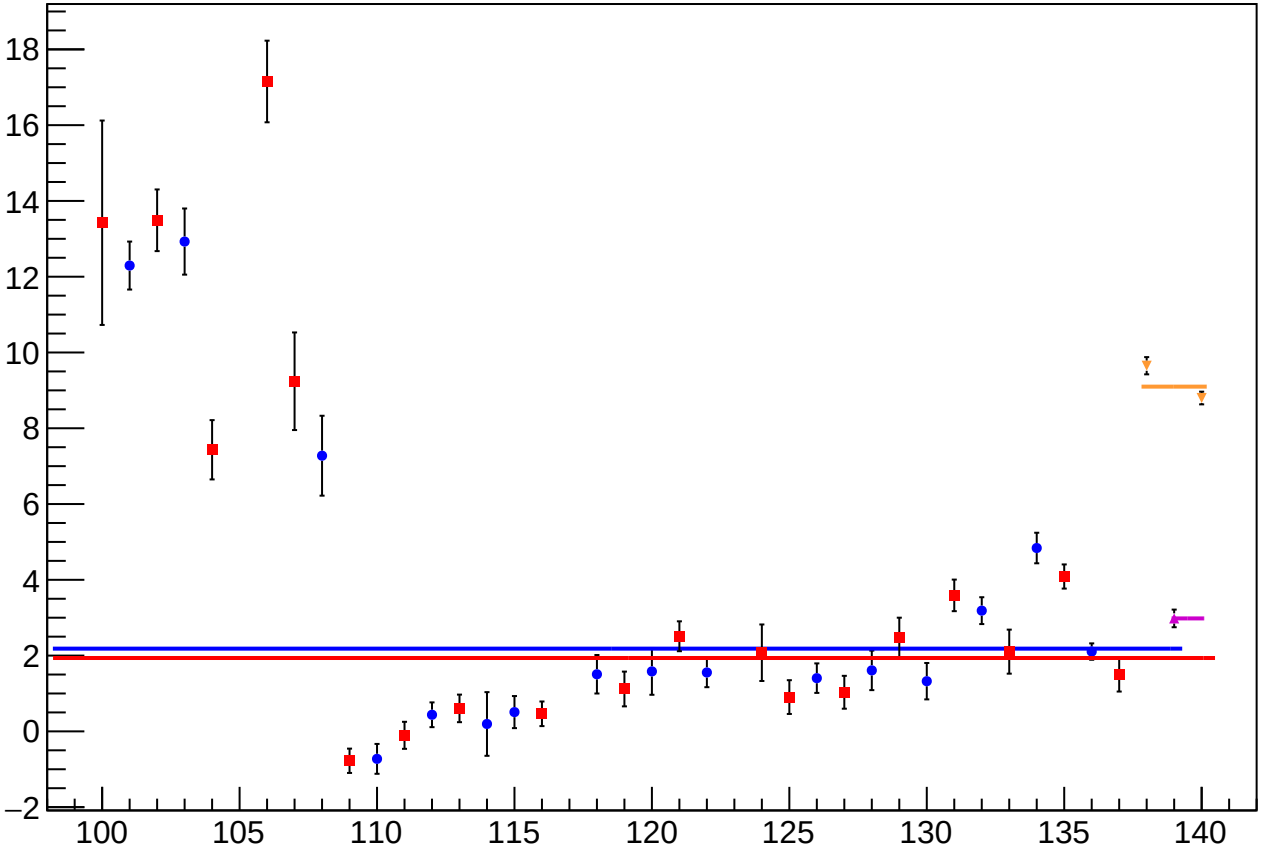
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.036+/-0.020 χ^2/NDF:729.5/16

Out: 0.032+/-0.018 χ^2/NDF:1076.8/20

All: 0.034+/-0.013 χ^2/NDF: 1806.2/37

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 9.099+/-0.135 χ^2/NDF:9.1/1

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 2.981+/-0.233 χ^2/NDF:0.0/0

Left: 7.559+/-0.117 χ^2/NDF: 525.9/2

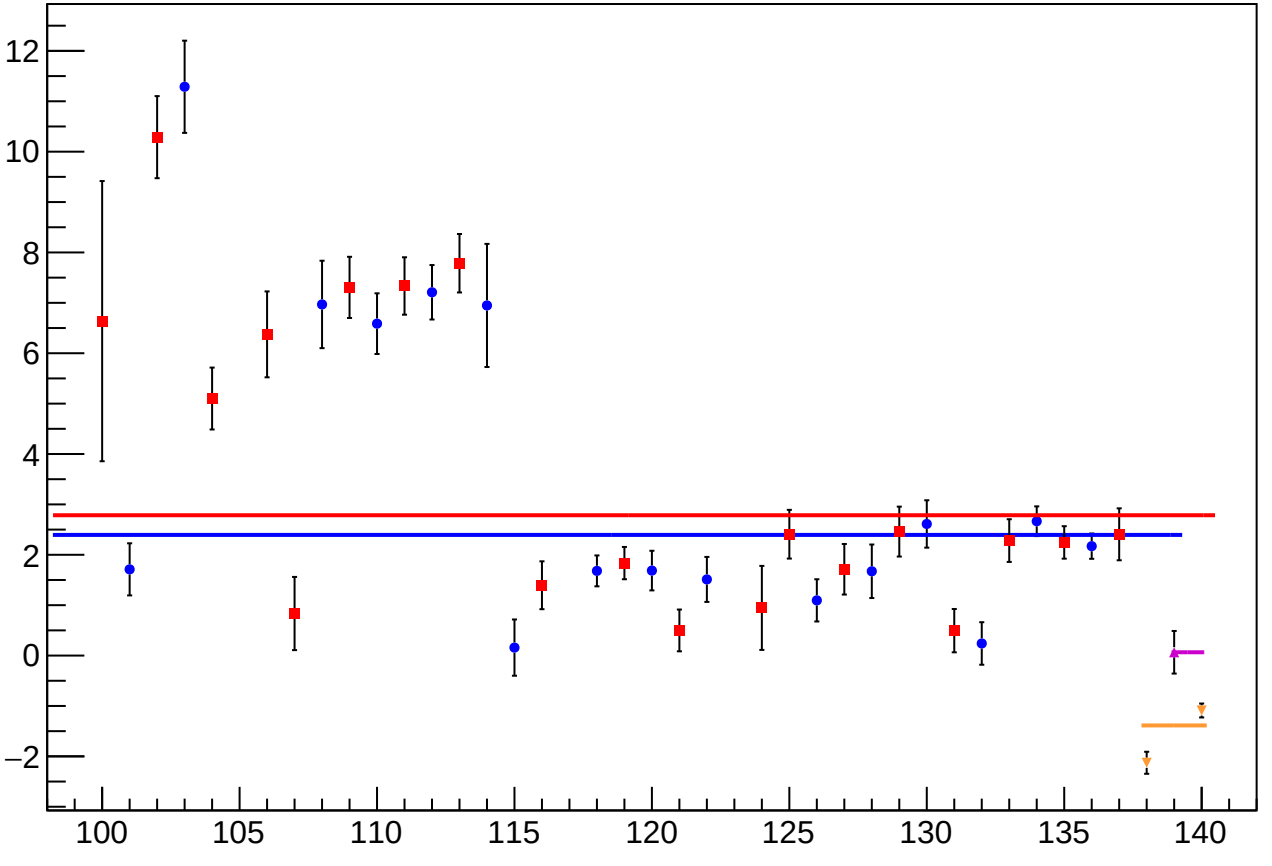
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 2.318+/-0.096 χ^2/NDF:609.0/16

Out: 4.651+/-0.083 χ^2/NDF:2473.6/20

All: 3.648+/-0.063 χ^2/NDF: 3421.2/37

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: -1.386+/-0.117 χ^2/NDF:16.1/1

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 0.066+/-0.423 χ^2/NDF:0.0/0

Left: -1.283+/-0.113 χ^2/NDF: 27.0/2

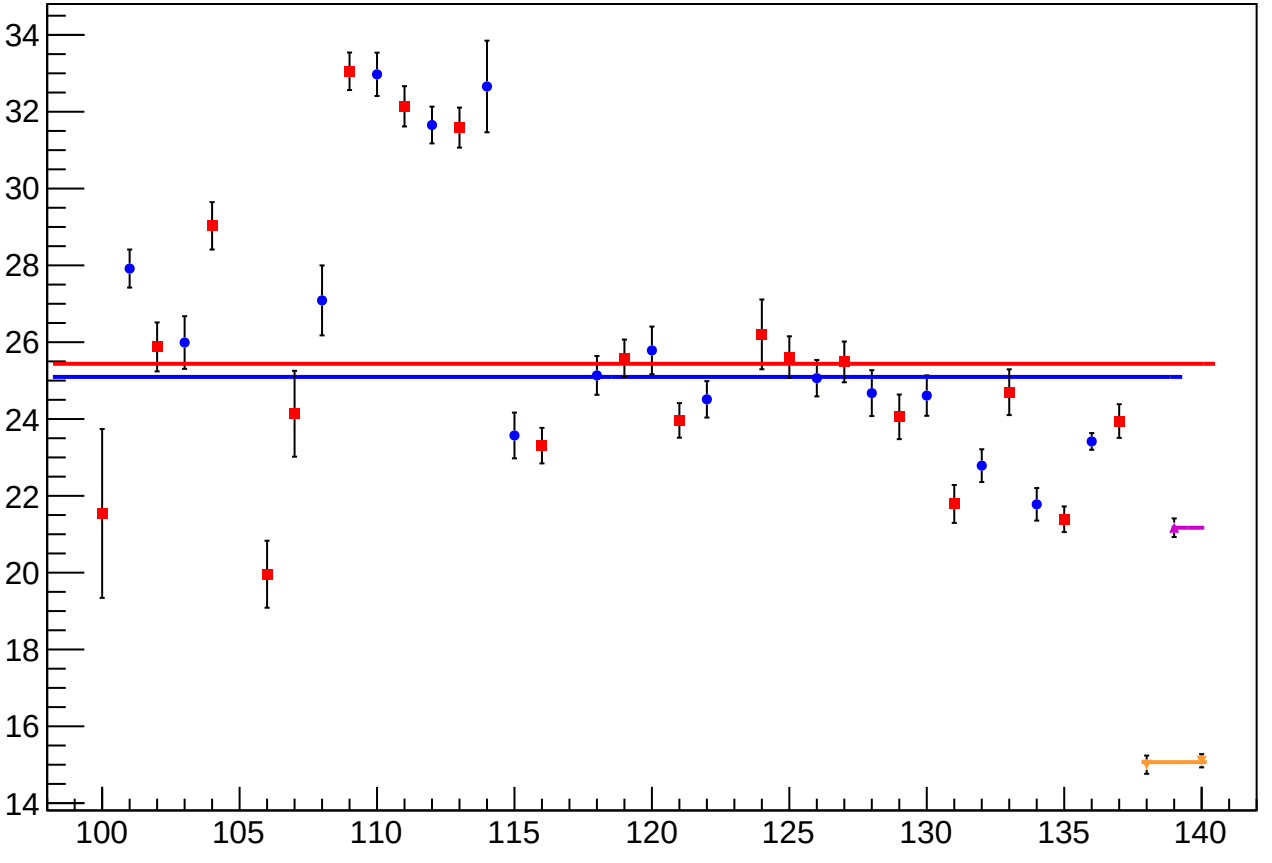
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 2.251+/-0.105 χ^2/NDF:362.4/16

Out: 0.716+/-0.082 χ^2/NDF:1069.5/20

All: 1.300+/-0.065 χ^2/NDF: 1564.3/37

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 15.068+/-0.140 χ^2/NDF:0.1/1

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 21.170+/-0.242 χ^2/NDF:0.0/0

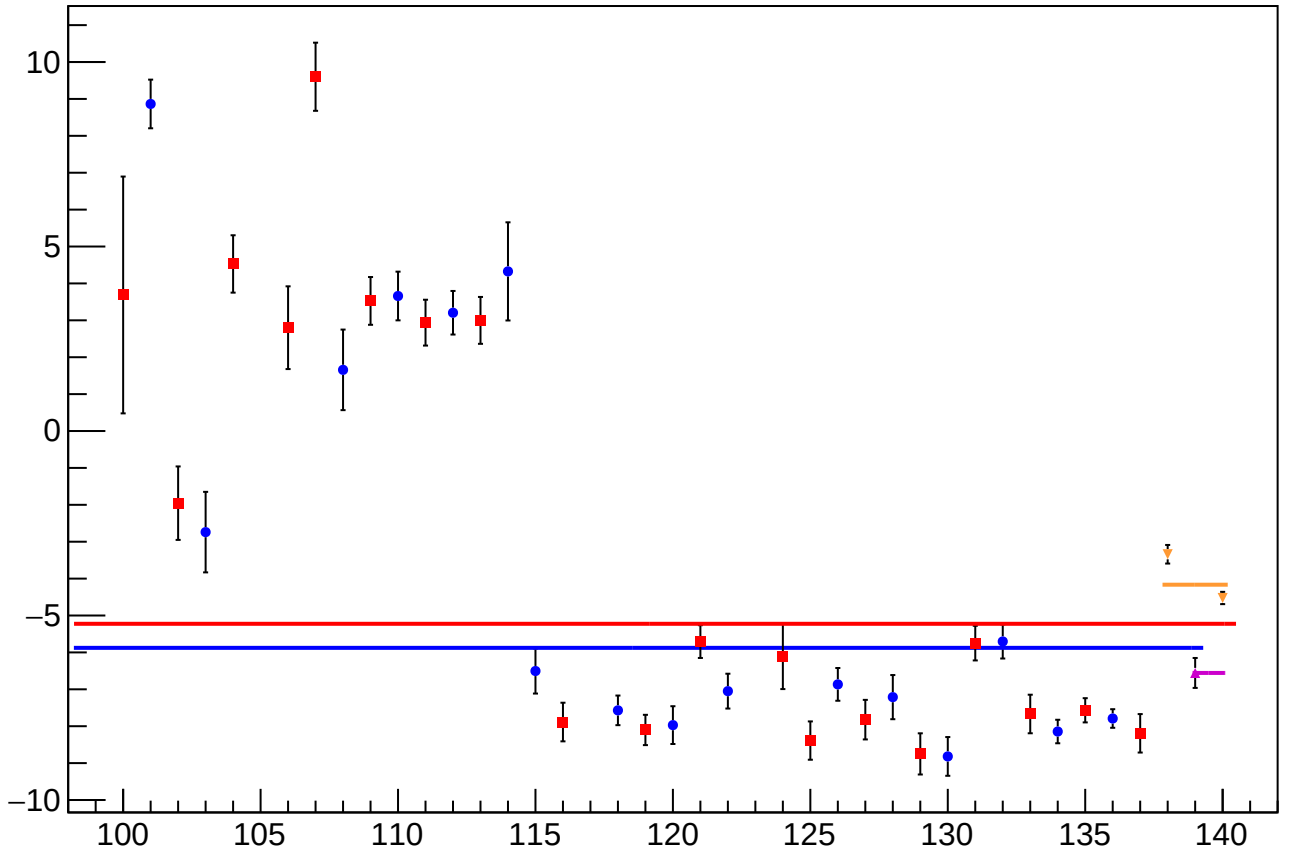
Left: 16.587+/-0.121 χ^2/NDF: 476.2/2

Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 24.349+/-0.106 χ^2/NDF:835.4/16

Out: 20.861+/-0.093 χ^2/NDF:3963.7/20

All: 22.376+/-0.070 χ^2/NDF: 5414.2/37



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -4.165+/-0.139 χ^2/NDF:15.4/1

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.556+/-0.406 χ^2/NDF:0.0/0

Left: -4.416+/-0.131 χ^2/NDF: 46.5/2

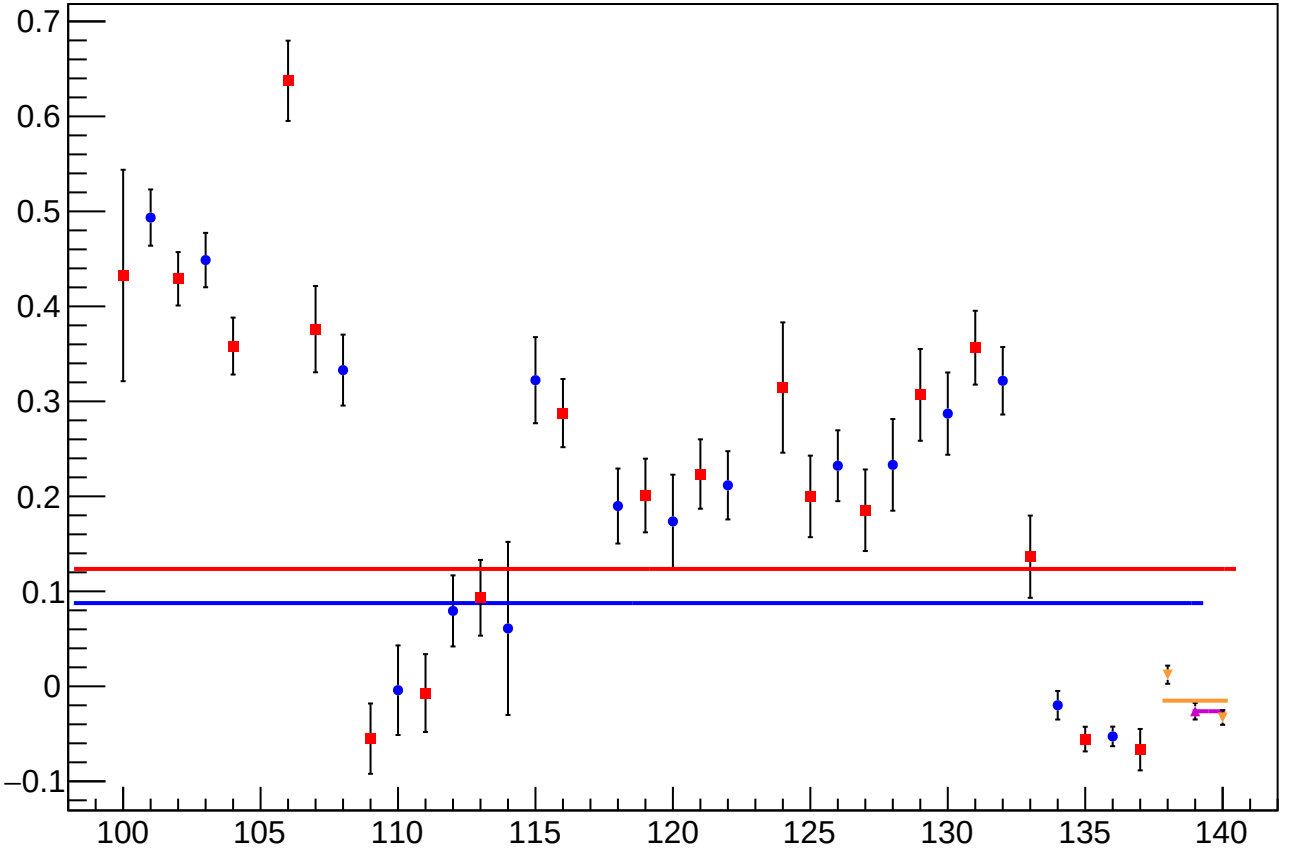
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -5.932+/-0.116 χ^2/NDF:1254.0/16

Out: -4.732+/-0.095 χ^2/NDF:1338.5/20

All: -5.213+/-0.073 χ^2/NDF: 2656.9/37

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.015+/-0.006 χ^2/NDF:13.5/1

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.026+/-0.009 χ^2/NDF:0.0/0

Left: -0.019+/-0.005 χ^2/NDF: 14.6/2

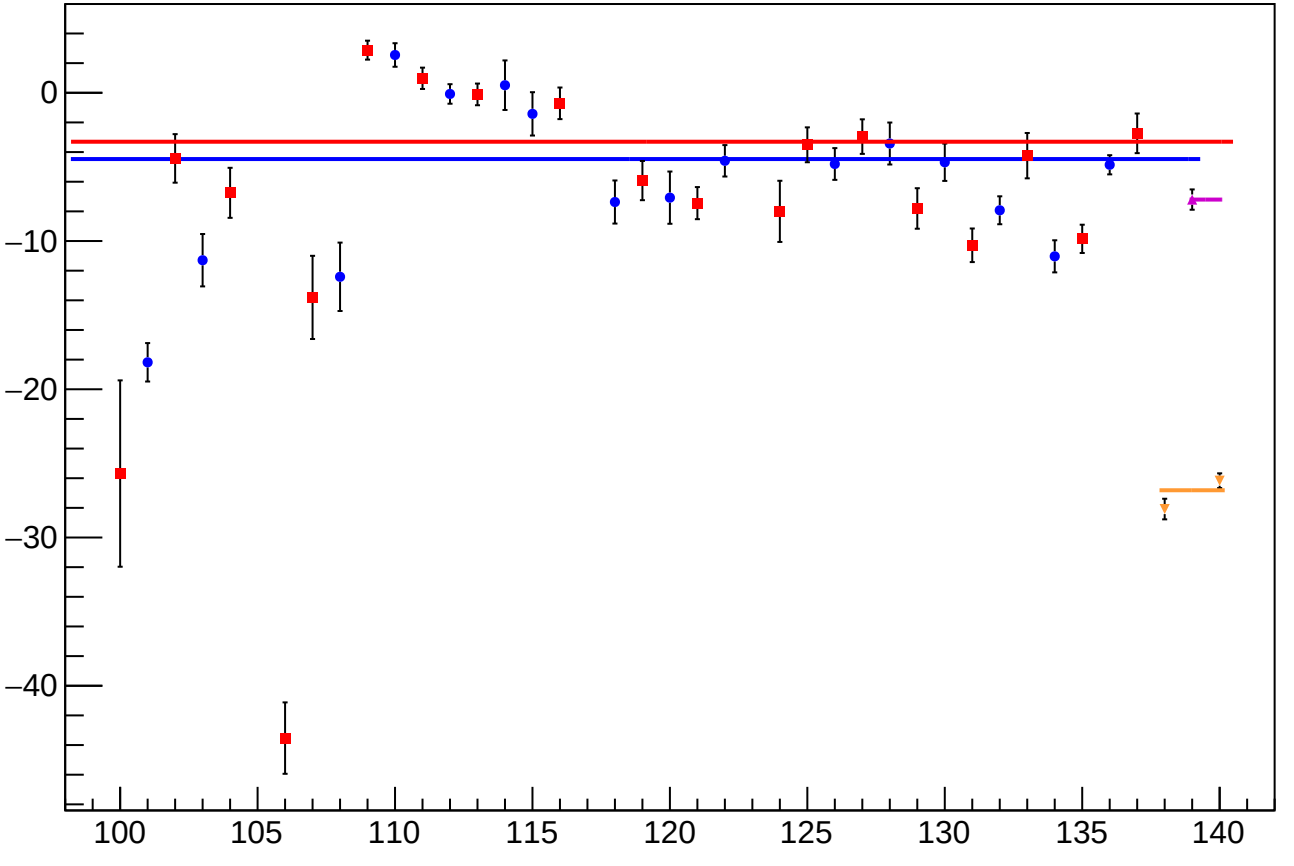
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.046+/-0.005 χ^2/NDF:876.8/16

Out: 0.040+/-0.005 χ^2/NDF:990.5/20

All: 0.043+/-0.003 χ^2/NDF: 1868.0/37

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -26.813+/-0.404 χ^2/NDF:5.0/1

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -7.204+/-0.685 χ^2/NDF:0.0/0

Left: -21.755+/-0.348 χ^2/NDF: 612.9/2

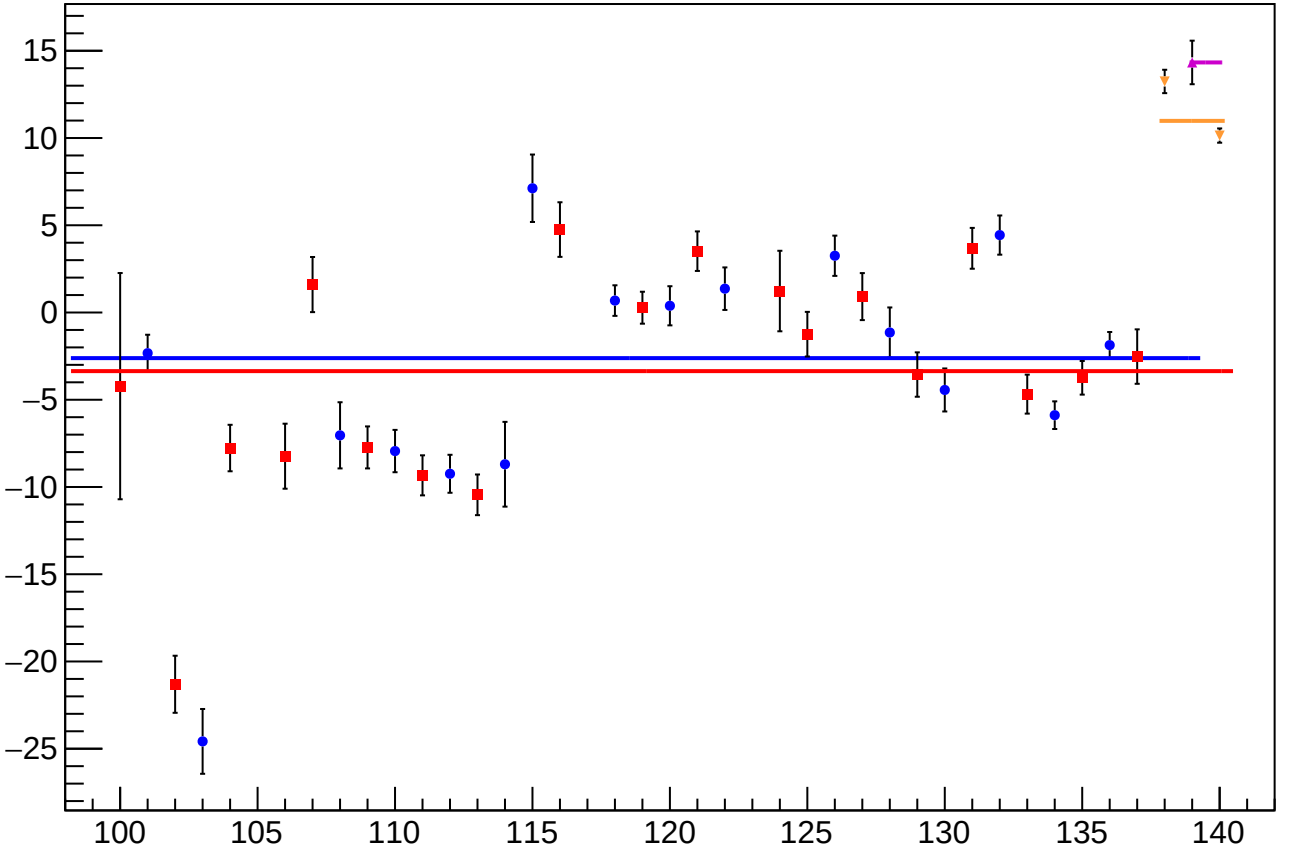
Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -4.834+/-0.250 χ^2/NDF:345.6/16

Out: -10.220+/-0.219 χ^2/NDF:2980.5/20

All: -7.879+/-0.165 χ^2/NDF: 3588.6/37

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 10.982+/-0.349 χ^2/NDF:15.6/1

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 14.331+/-1.248 χ^2/NDF:0.0/0

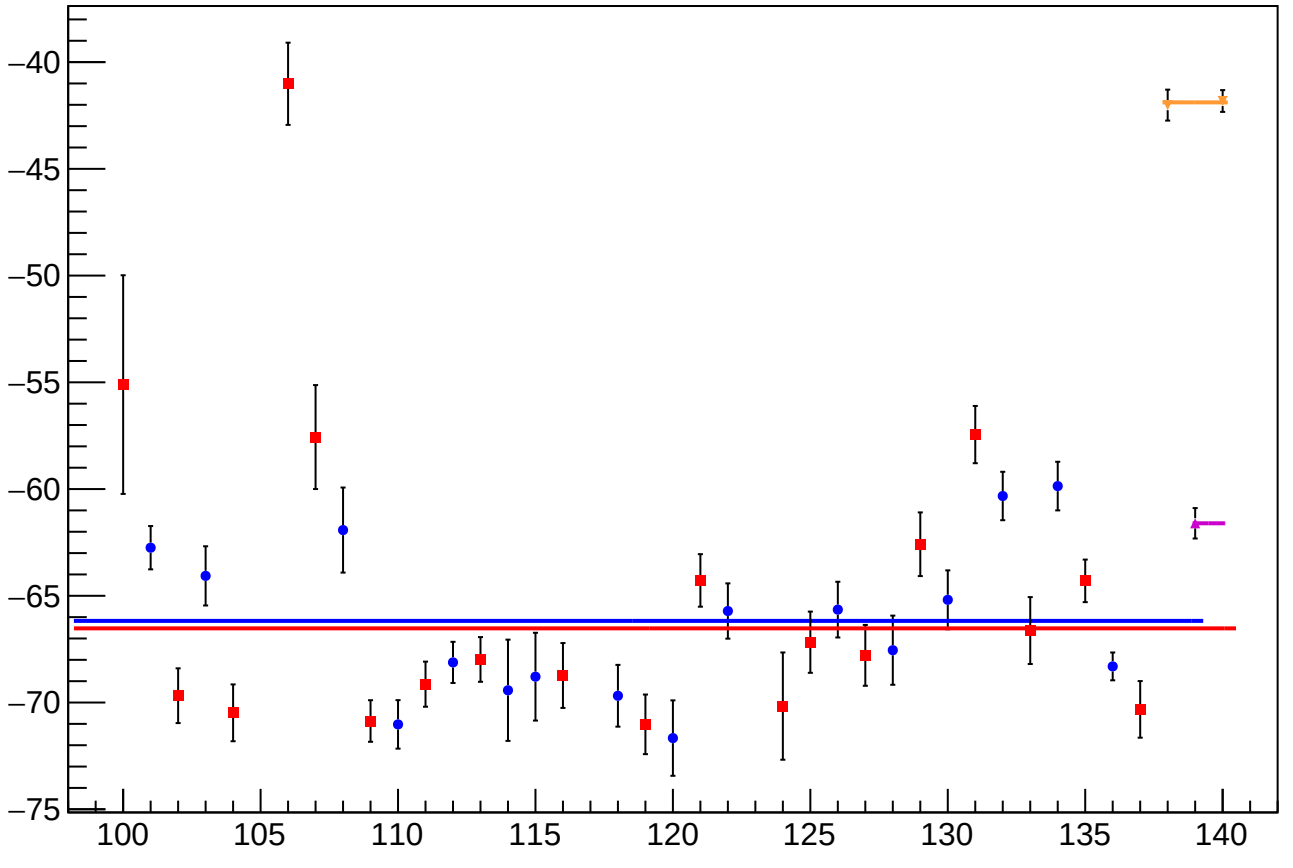
Left: 11.226+/-0.336 χ^2/NDF: 22.3/2

Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -1.770+/-0.278 χ^2/NDF:527.2/16

Out: 2.703+/-0.227 χ^2/NDF:1349.3/20

All: 0.917+/-0.176 χ^2/NDF: 2031.5/37



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -41.886+/-0.417 χ^2/NDF:0.0/1

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -61.604+/-0.713 χ^2/NDF:0.0/0

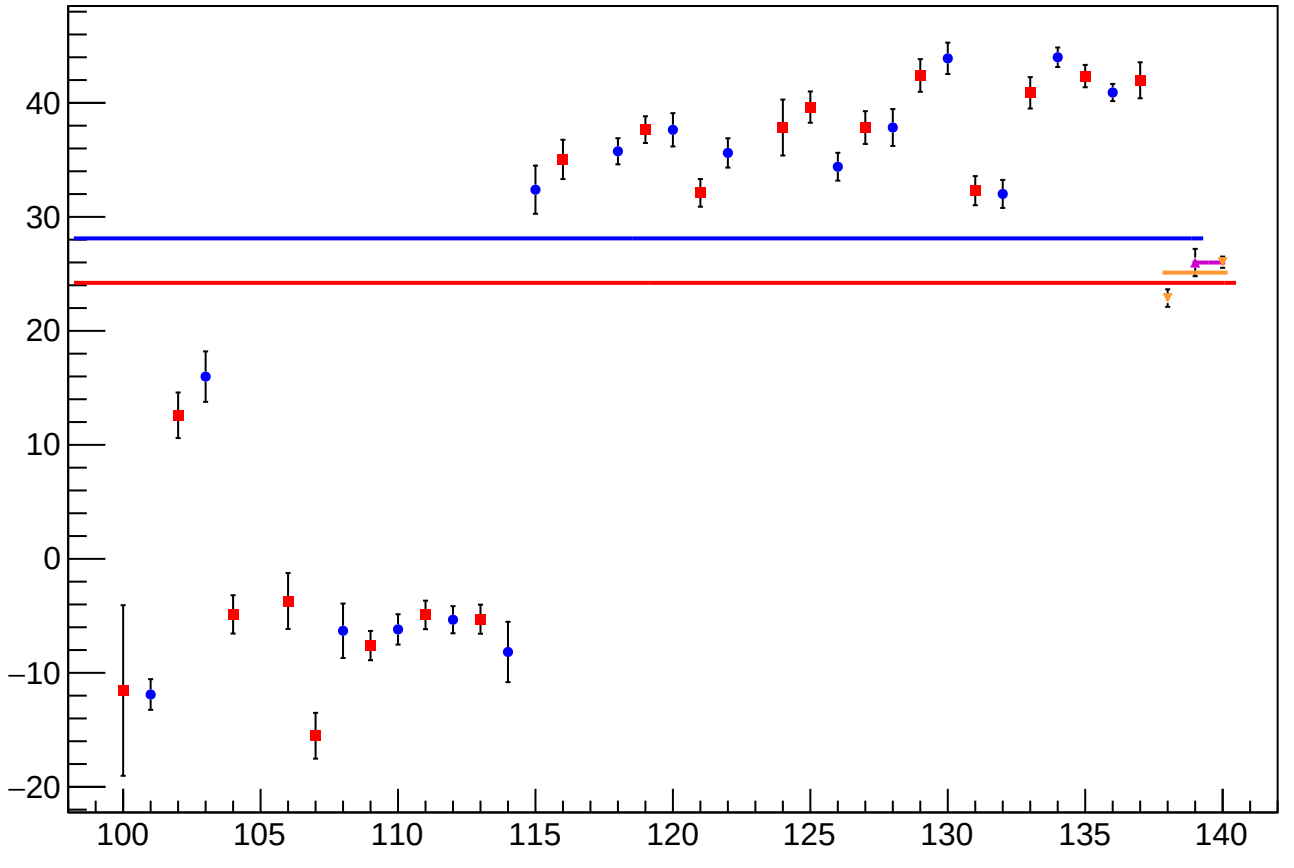
Left: -46.917+/-0.360 χ^2/NDF: 569.6/2

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -65.471+/-0.280 χ^2/NDF:164.0/16

Out: -57.676+/-0.250 χ^2/NDF:2555.3/20

All: -61.137+/-0.187 χ^2/NDF: 3150.6/37



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 25.111+/-0.415 χ^2/NDF:11.8/1

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 25.994+/-1.198 χ^2/NDF:0.0/0

Left: 25.205+/-0.392 χ^2/NDF: 12.3/2

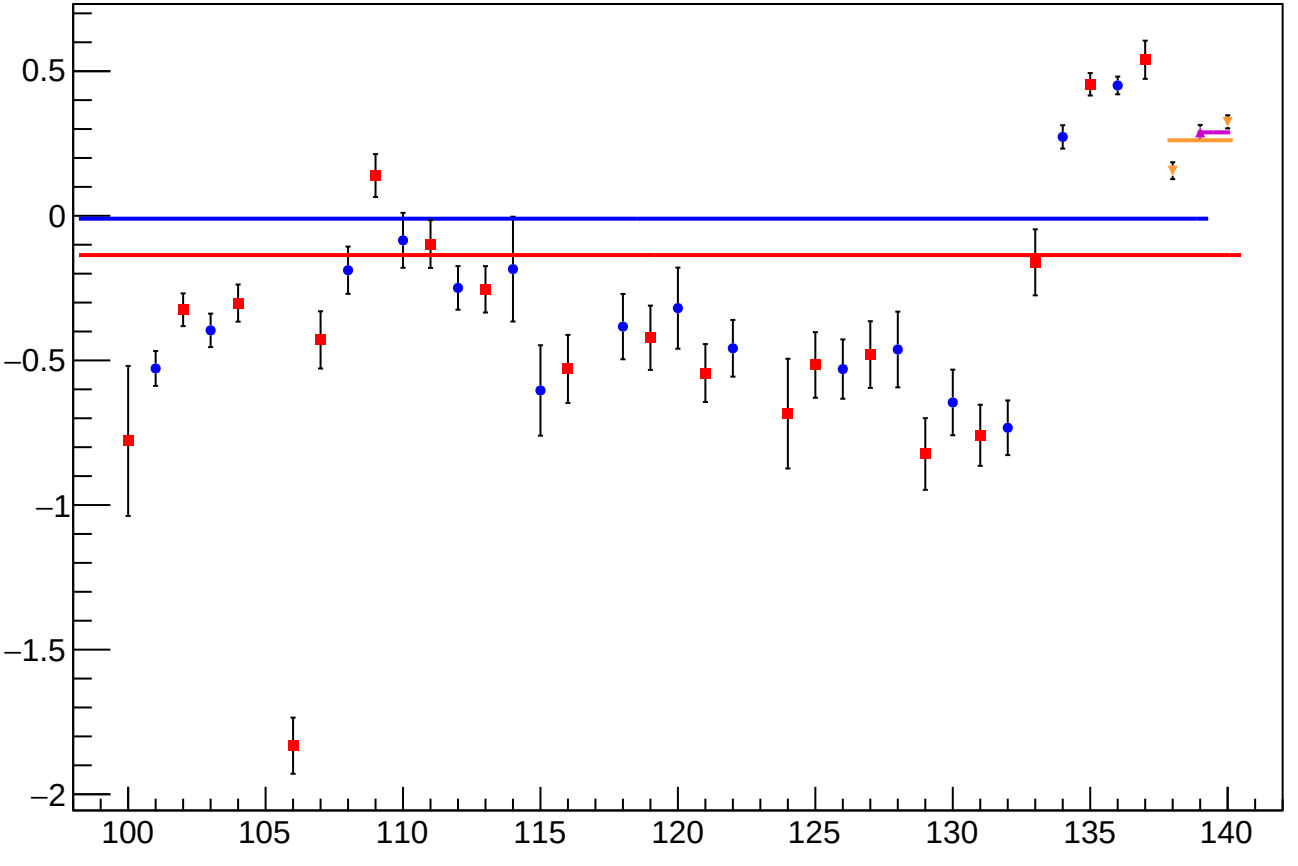
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 27.971+/-0.309 χ^2/NDF:3730.6/16

Out: 24.567+/-0.261 χ^2/NDF:3856.3/20

All: 25.984+/-0.199 χ^2/NDF: 7657.7/37

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.261+/-0.018 χ^2/NDF:20.9/1

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.289+/-0.026 χ^2/NDF:0.0/0

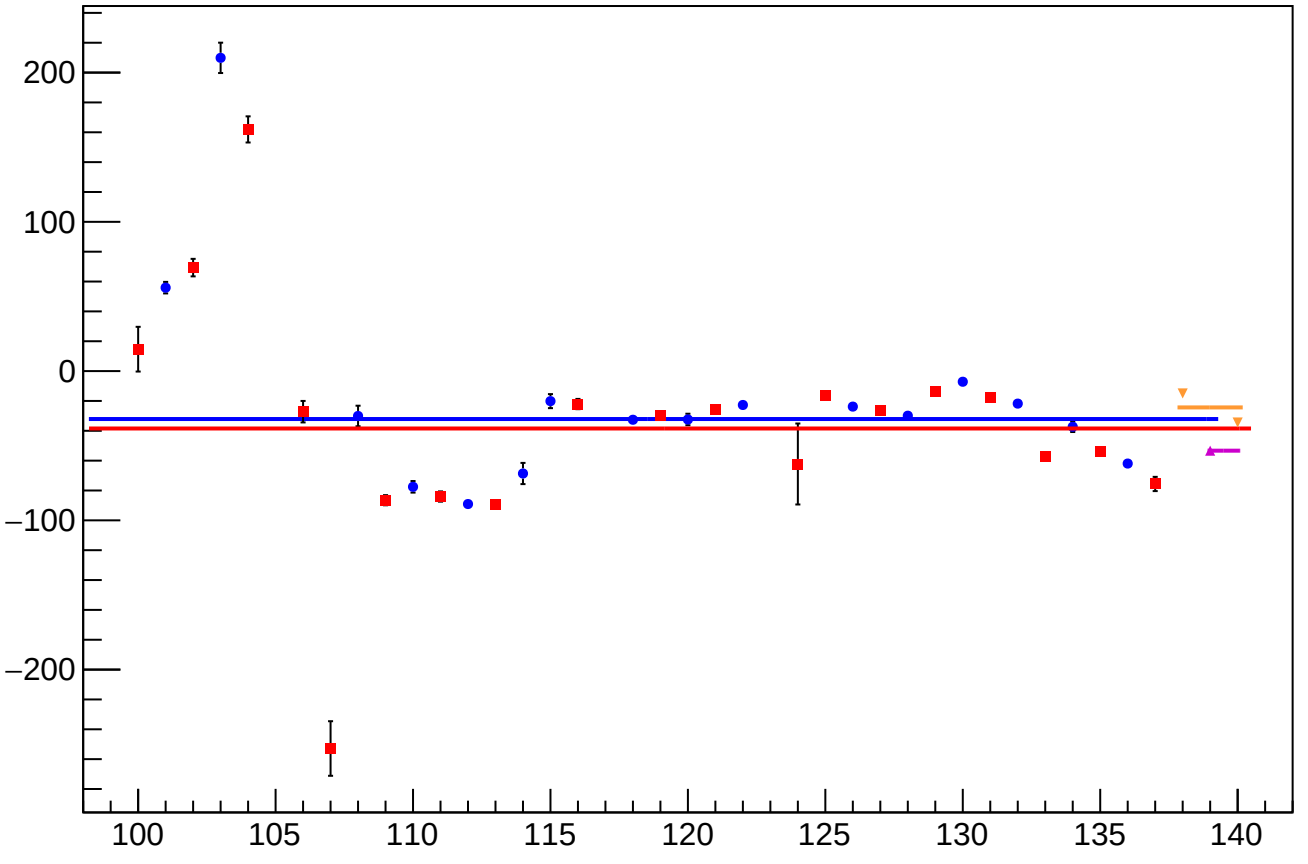
Left: 0.270+/-0.015 χ^2/NDF: 21.7/2

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.083+/-0.014 χ^2/NDF:680.2/16

Out: 0.073+/-0.013 χ^2/NDF:1072.7/20

All: 0.078+/-0.010 χ^2/NDF: 1753.2/37



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -24.342+/-1.757 χ^2/NDF:30.7/1

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -53.322+/-2.428 χ^2/NDF:0.0/0

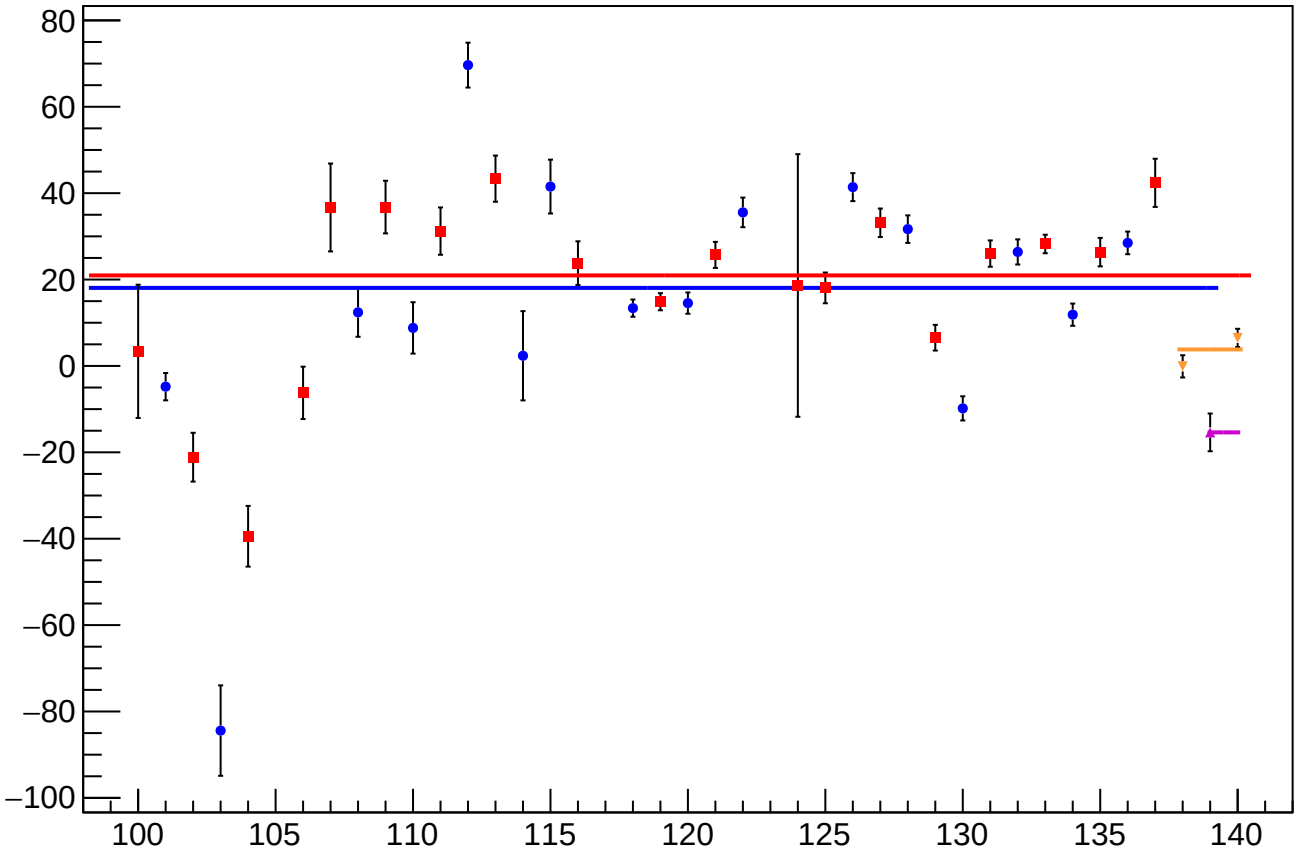
Left: -34.303+/-1.424 χ^2/NDF: 124.2/2

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -34.396+/-0.796 χ^2/NDF:1945.5/16

Out: -35.711+/-0.776 χ^2/NDF:2055.2/20

All: -35.071+/-0.556 χ^2/NDF: 4002.1/37



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 3.819+/-1.636 χ^2/NDF:3.9/1

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: -15.384+/-4.368 χ^2/NDF:0.0/0

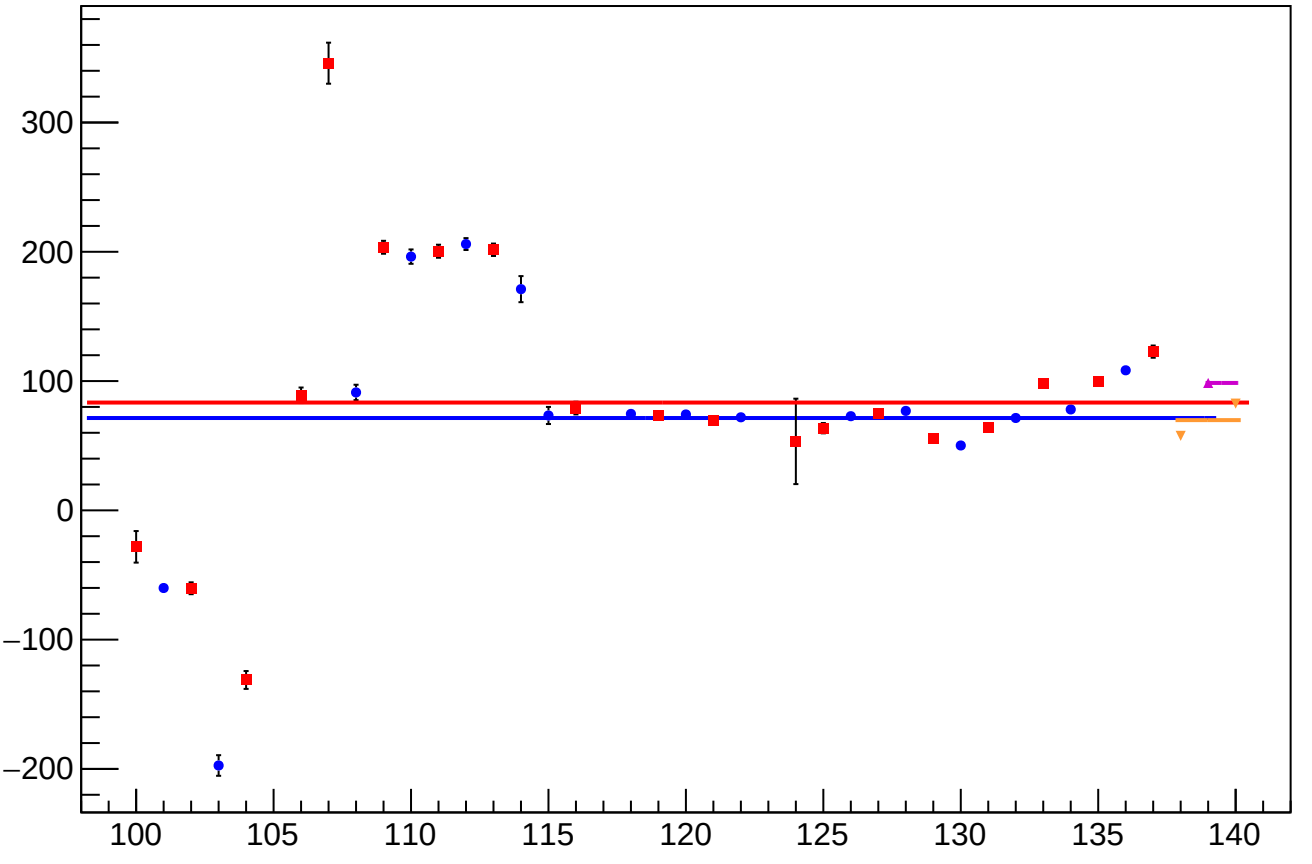
Left: 1.456+/-1.532 χ^2/NDF: 20.8/2

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 16.922+/-0.808 χ^2/NDF:556.2/16

Out: 17.190+/-0.767 χ^2/NDF:352.2/20

All: 17.063+/-0.556 χ^2/NDF: 908.5/37



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 69.797+/-1.822 χ^2/NDF:46.8/1

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 98.554+/-2.532 χ^2/NDF:0.0/0

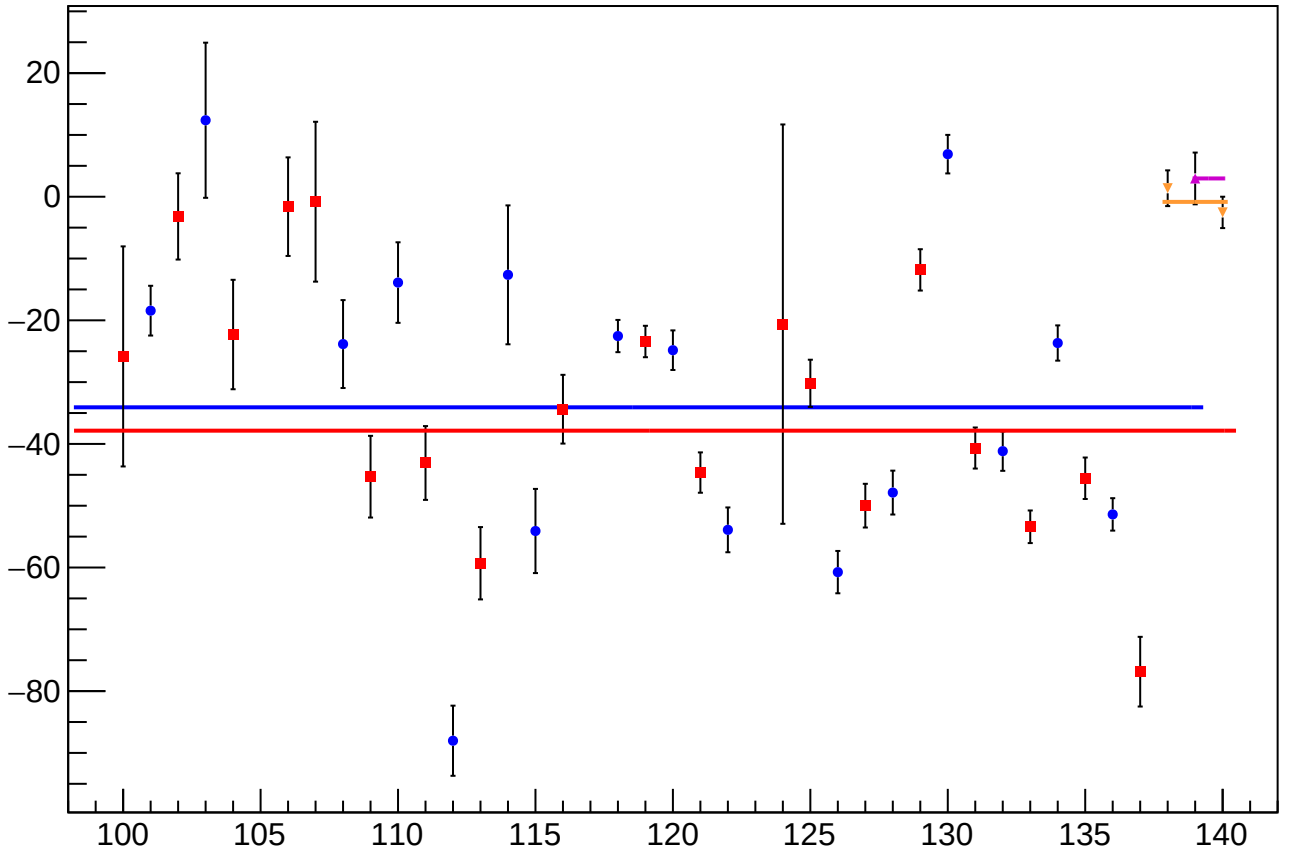
Left: 79.606+/-1.479 χ^2/NDF: 131.8/2

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 74.654+/-0.874 χ^2/NDF:4920.7/16

Out: 80.310+/-0.867 χ^2/NDF:4387.2/20

All: 77.506+/-0.615 χ^2/NDF: 9329.1/37



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -0.834+/-1.908 χ^2/NDF:1.0/1

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: 2.958+/-4.188 χ^2/NDF:0.0/0

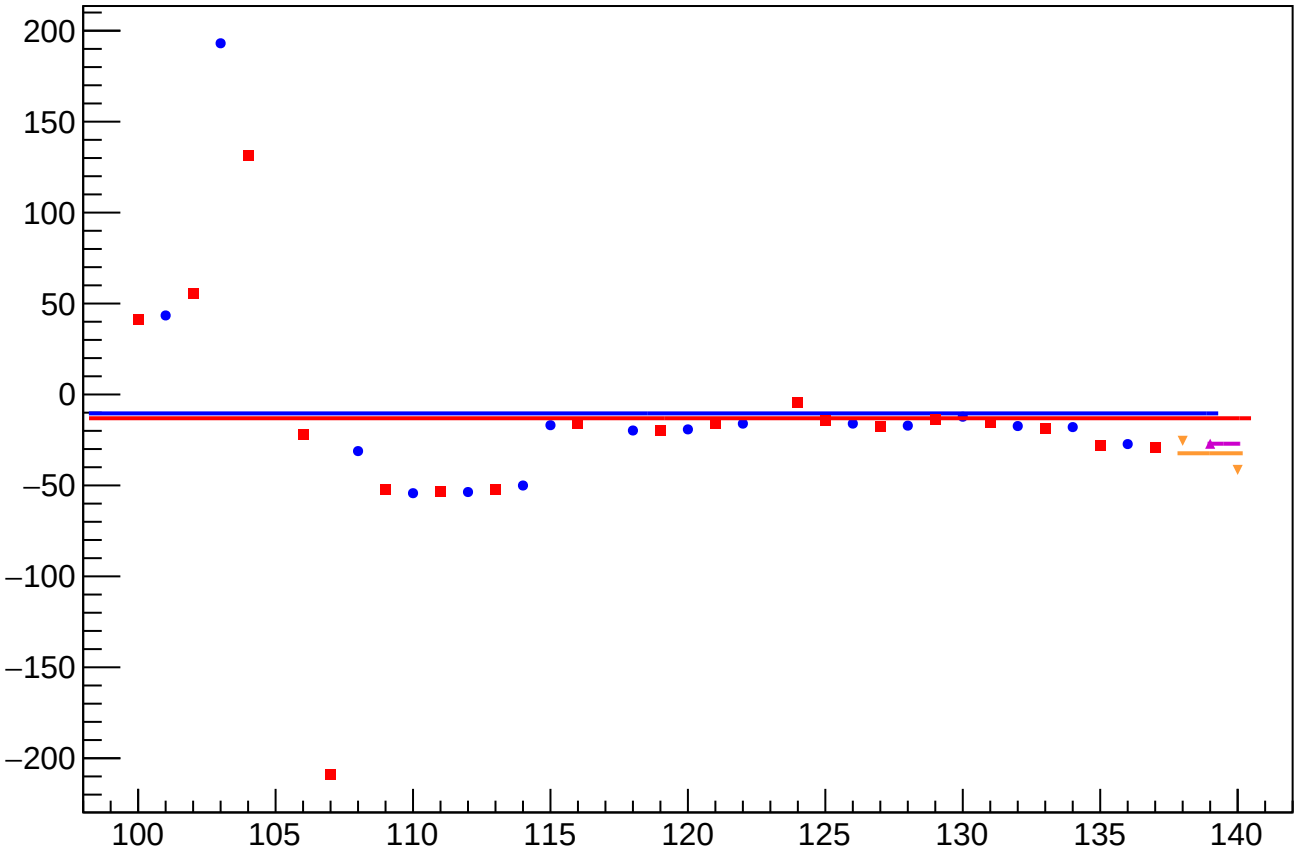
Left: -0.182+/-1.736 χ^2/NDF: 1.7/2

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -32.292+/-0.919 χ^2/NDF:585.6/16

Out: -29.954+/-0.881 χ^2/NDF:571.8/20

All: -31.074+/-0.636 χ^2/NDF: 1160.8/37



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -32.329+/-0.076 χ^2/NDF:10915.1/1

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -27.073+/-0.090 χ^2/NDF:0.0/0

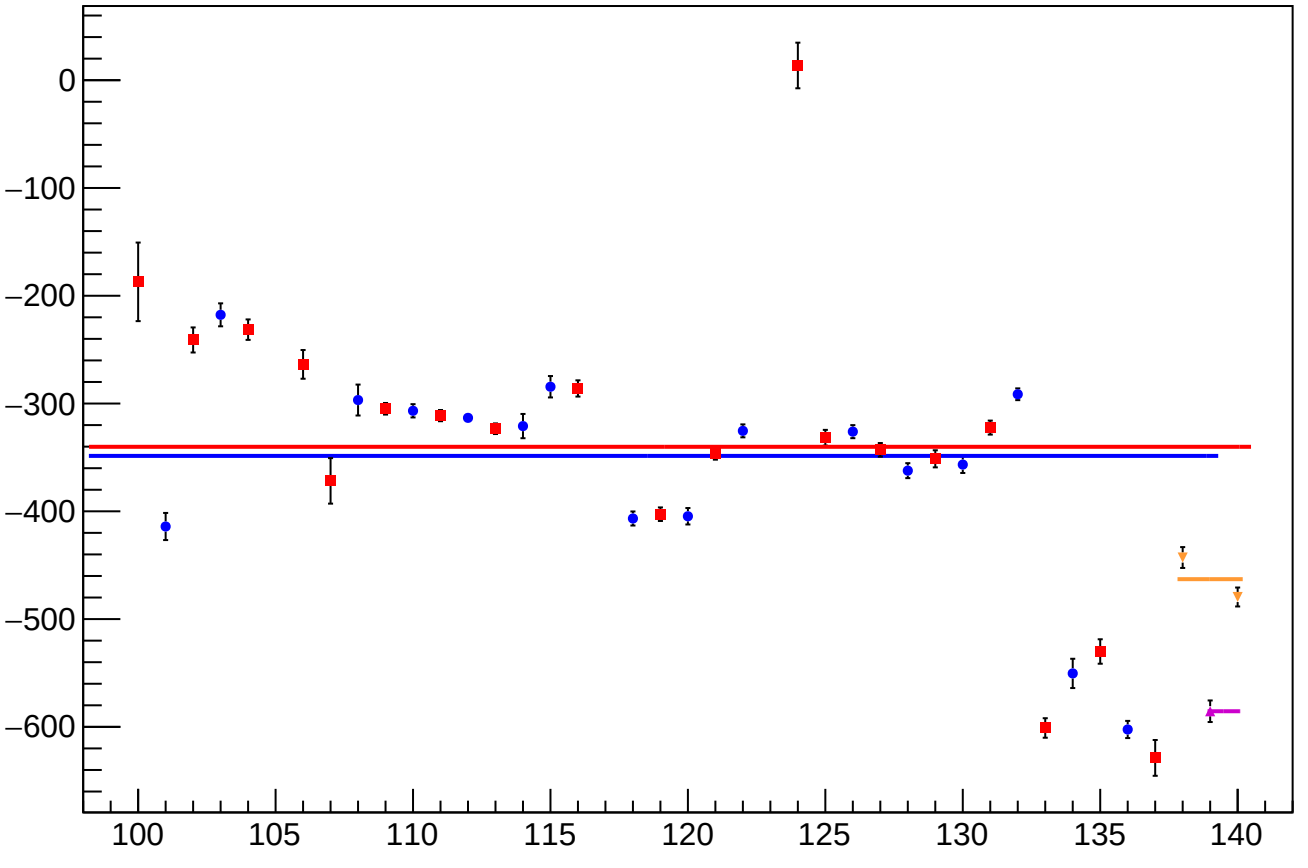
Left: -30.152+/-0.058 χ^2/NDF: 12908.3/2

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -15.142+/-0.048 χ^2/NDF:546825.5/16

Out: -20.889+/-0.048 χ^2/NDF:498901.2/20

All: -18.003+/-0.034 χ^2/NDF: 1052843.4/37



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -462.960+/-6.506 χ^2/NDF:7.8/1

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -585.502+/-10.005 χ^2/NDF:0.0/0

Left: -499.375+/-5.454 χ^2/NDF: 113.3/2

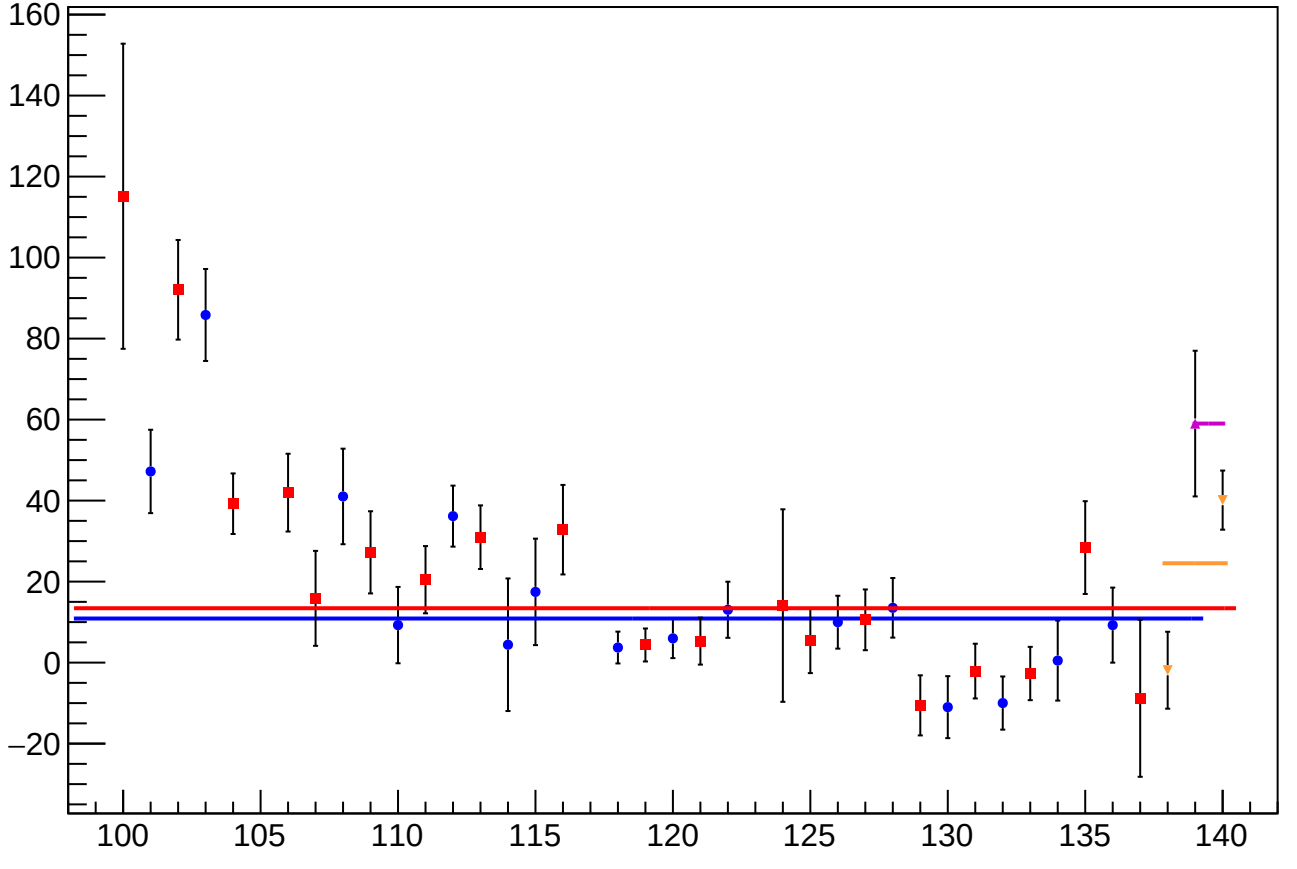
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -356.212+/-1.795 χ^2/NDF:2400.9/16

Out: -348.514+/-1.698 χ^2/NDF:2537.0/20

All: -352.150+/-1.234 χ^2/NDF: 4947.6/37

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 24.527+/-5.787 χ^2/NDF:12.3/1

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 59.016+/-17.981 χ^2/NDF:0.0/0

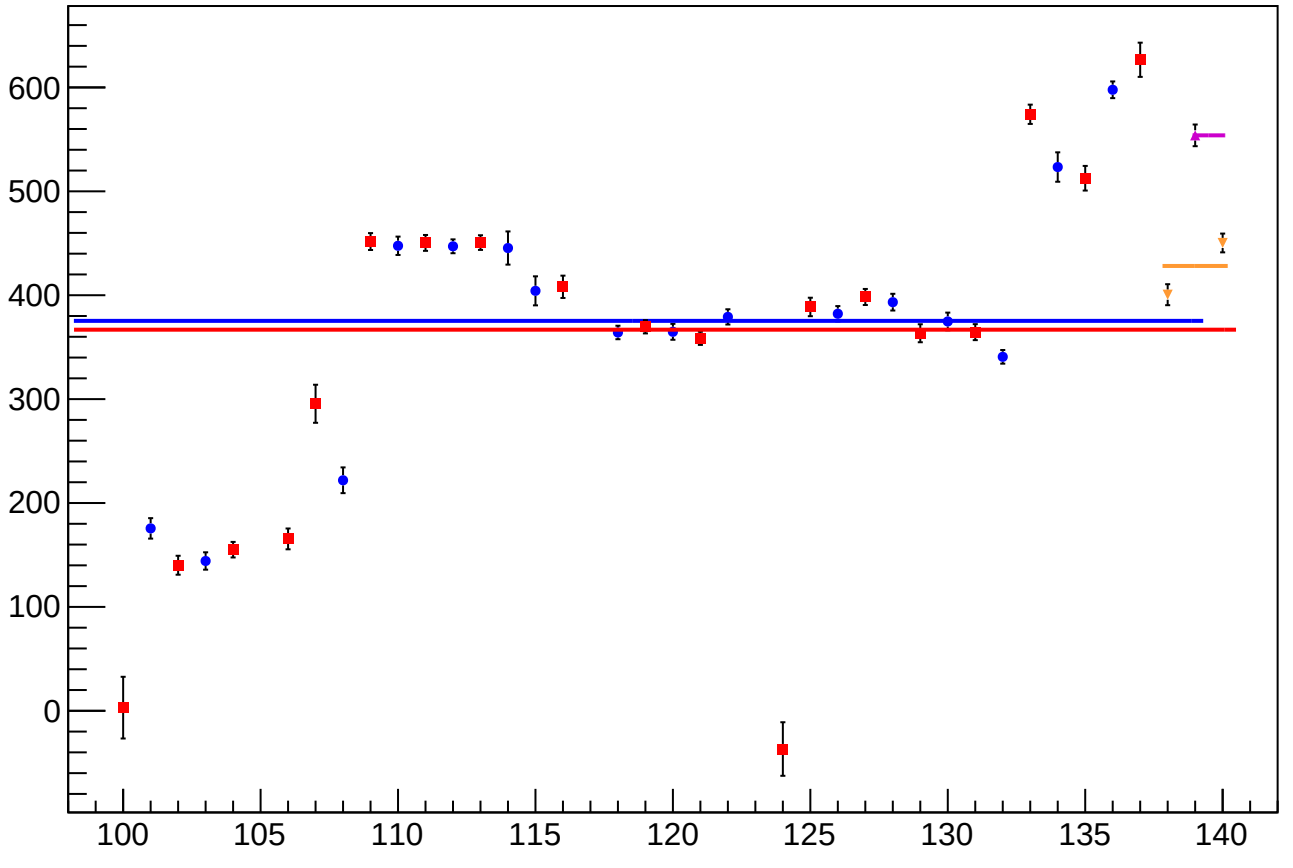
Left: 27.764+/-5.509 χ^2/NDF: 15.6/2

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 11.388+/-1.833 χ^2/NDF:105.3/16

Out: 14.461+/-1.766 χ^2/NDF:128.0/20

All: 12.982+/-1.272 χ^2/NDF: 234.8/37



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 428.166+/-6.733 χ^2/NDF:13.5/1

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 553.881+/-10.433 χ^2/NDF:0.0/0

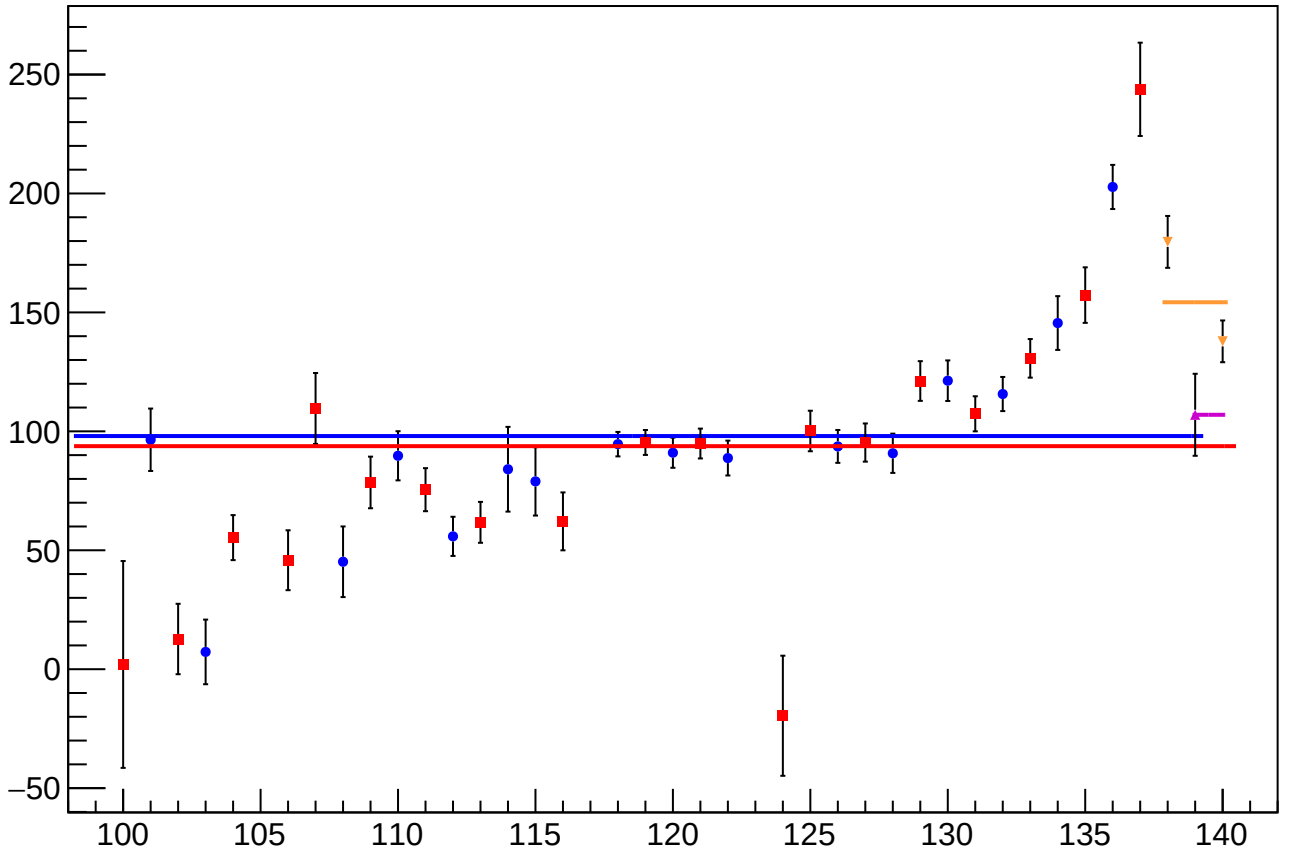
Left: 465.128+/-5.657 χ^2/NDF: 116.0/2

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 382.291+/-2.061 χ^2/NDF:2730.9/16

Out: 372.031+/-1.961 χ^2/NDF:3630.6/20

All: 376.904+/-1.421 χ^2/NDF: 6374.5/37



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 154.268+/-6.836 χ^2/NDF:8.9/1

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 106.958+/-17.237 χ^2/NDF:0.0/0

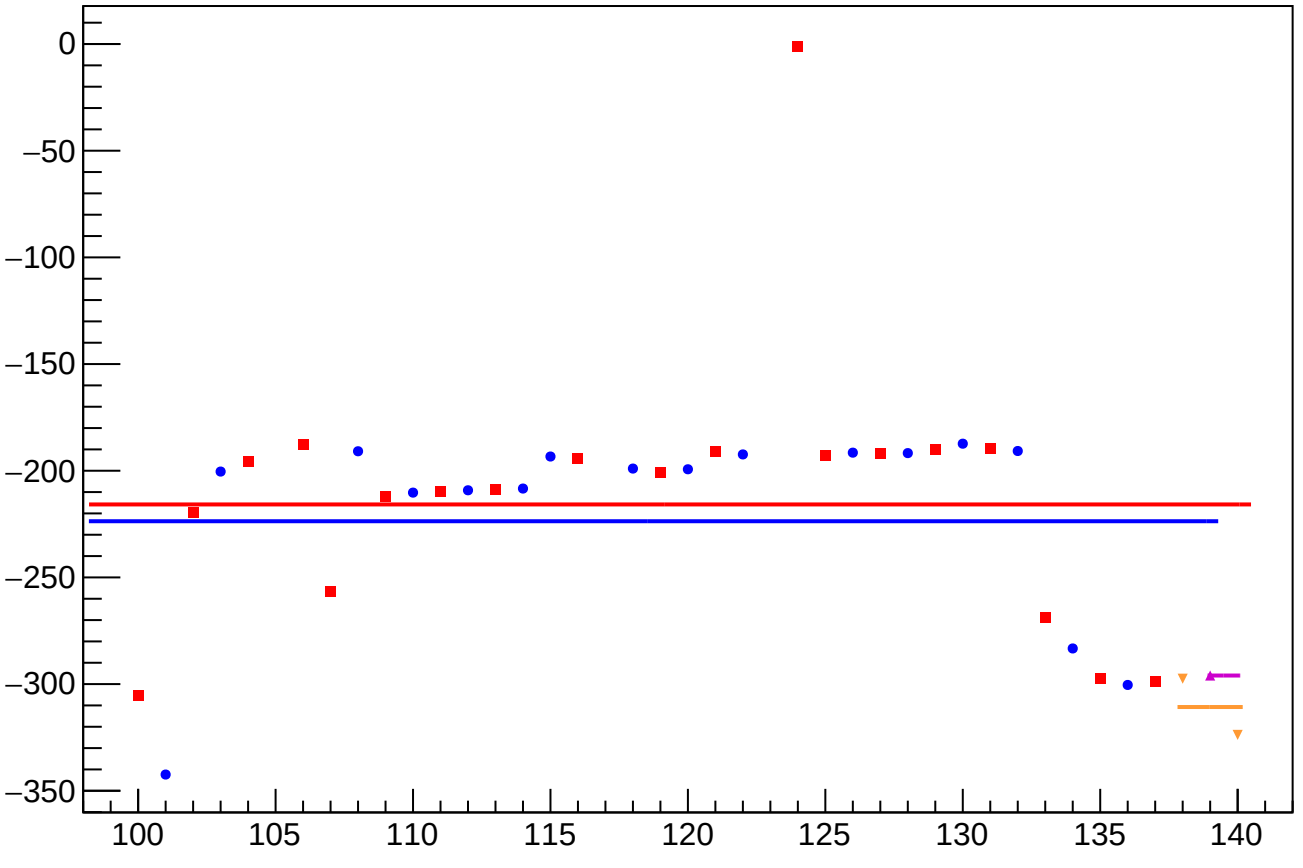
Left: 147.837+/-6.355 χ^2/NDF: 15.4/2

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 98.157+/-2.128 χ^2/NDF:249.7/16

Out: 99.163+/-2.041 χ^2/NDF:317.4/20

All: 98.681+/-1.473 χ^2/NDF: 567.2/37



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -310.748+/-0.286 χ^2/NDF:2116.7/1

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -295.987+/-0.371 χ^2/NDF:0.0/0

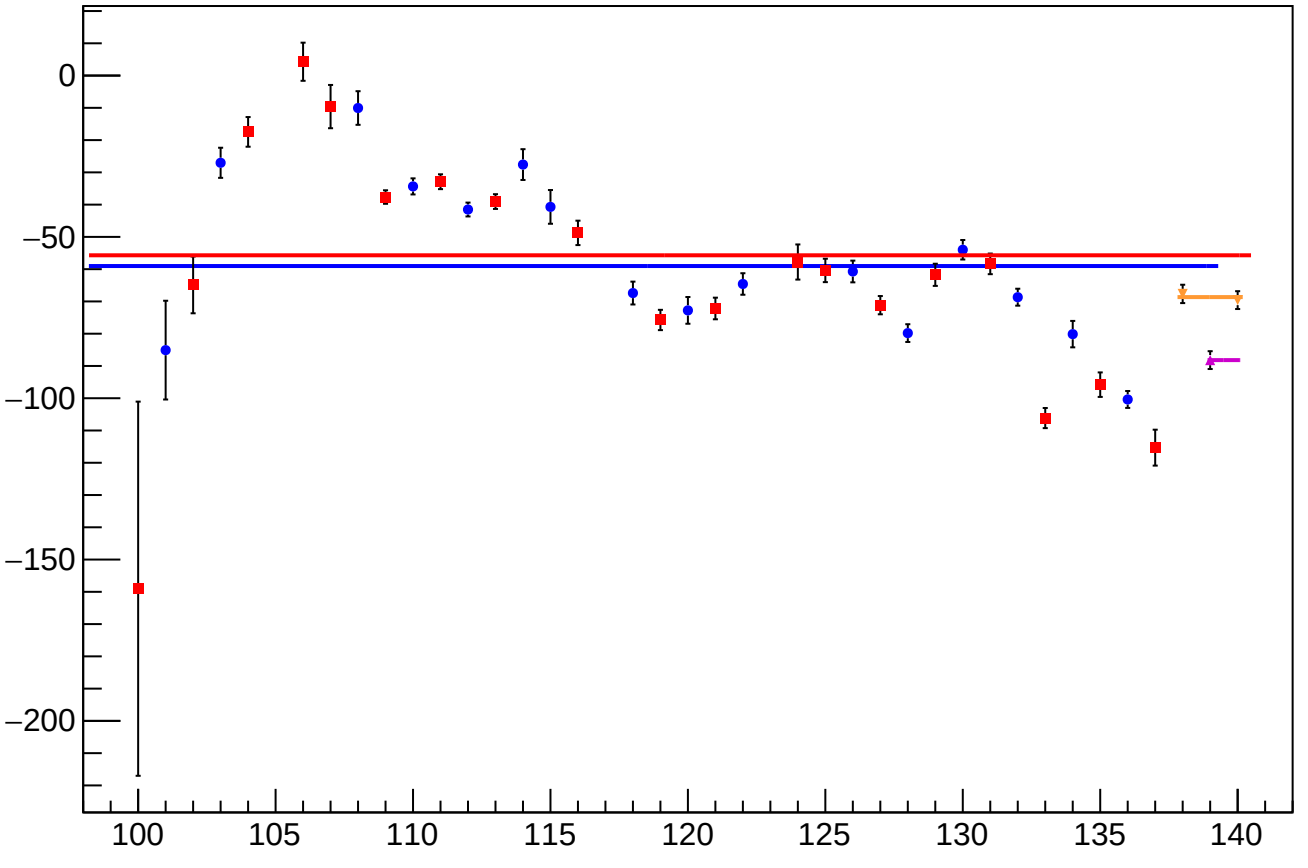
Left: -305.250+/-0.227 χ^2/NDF: 3107.5/2

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -232.468+/-0.130 χ^2/NDF:154815.8/16

Out: -232.932+/-0.122 χ^2/NDF:173840.3/20

All: -232.715+/-0.089 χ^2/NDF: 328662.9/37



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -68.657+/-1.982 χ^2/NDF:0.2/1

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -88.184+/-2.762 χ^2/NDF:0.0/0

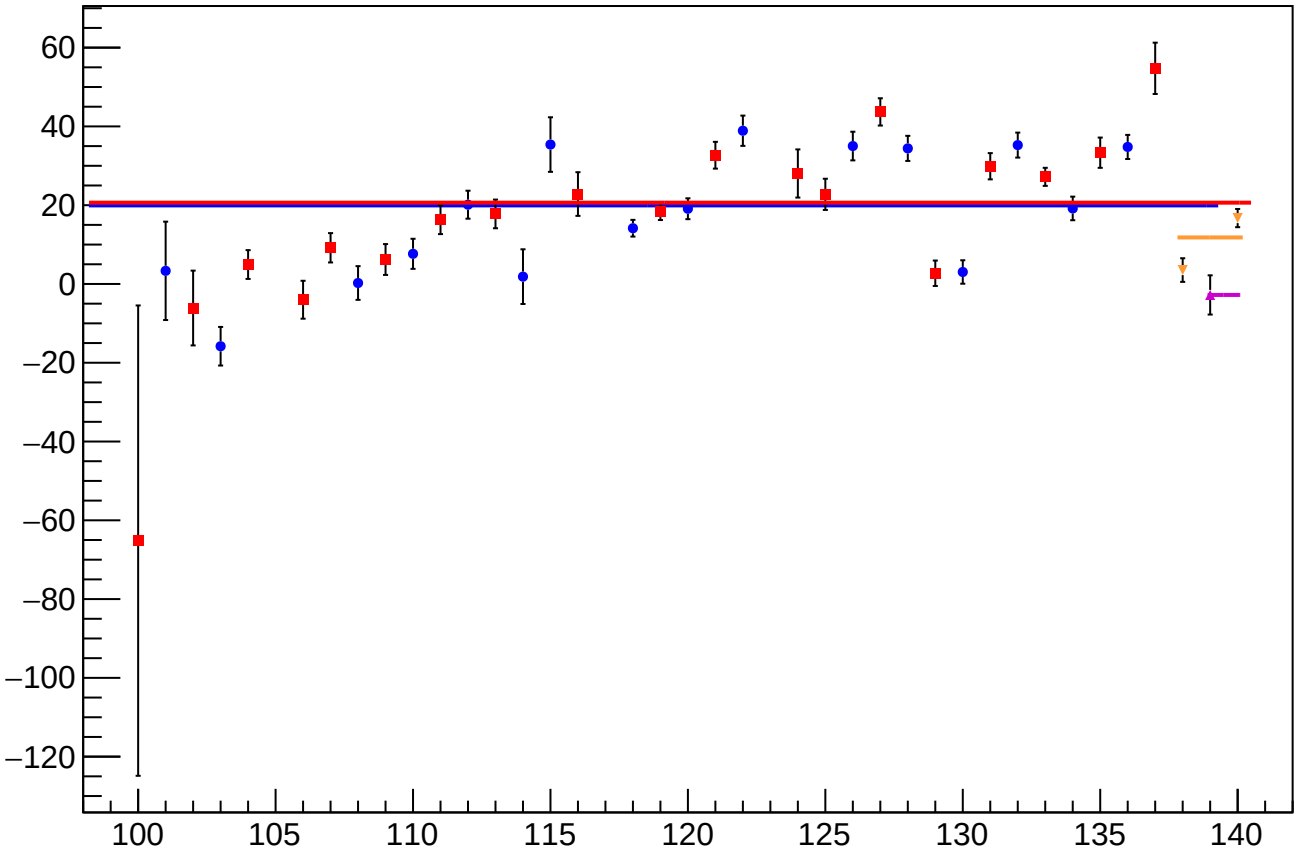
Left: -75.292+/-1.610 χ^2/NDF: 33.2/2

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -61.440+/-0.794 χ^2/NDF:829.5/16

Out: -57.477+/-0.734 χ^2/NDF:1078.3/20

All: -59.302+/-0.539 χ^2/NDF: 1921.2/37



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 11.810+/-1.831 χ^2/NDF:12.1/1

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: -2.786+/-4.979 χ^2/NDF:0.0/0

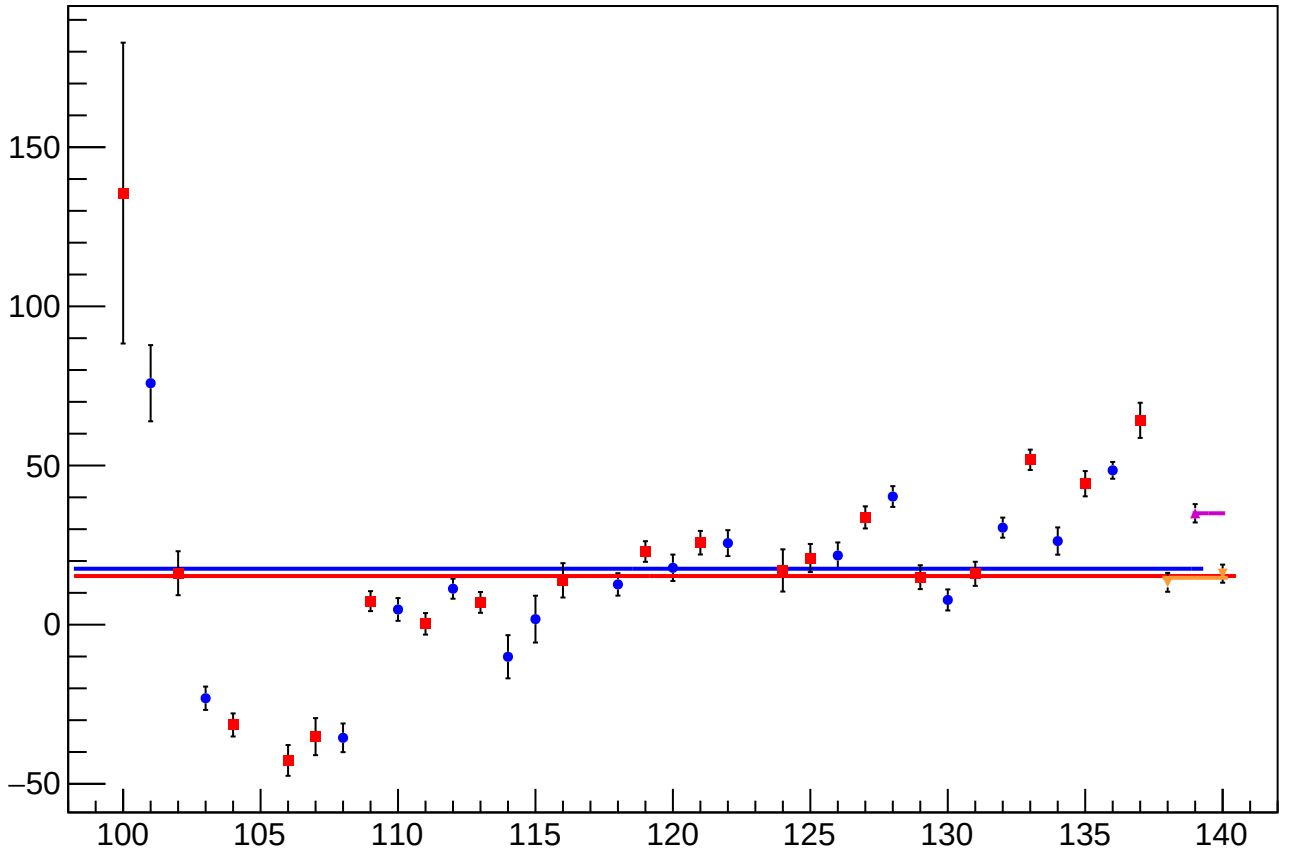
Left: 10.072+/-1.718 χ^2/NDF: 19.7/2

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 19.276+/-0.854 χ^2/NDF:267.4/16

Out: 19.096+/-0.766 χ^2/NDF:256.1/20

All: 19.176+/-0.571 χ^2/NDF: 523.5/37



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 14.725+/-2.053 χ^2/NDF:0.4/1

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 34.992+/-2.879 χ^2/NDF:0.0/0

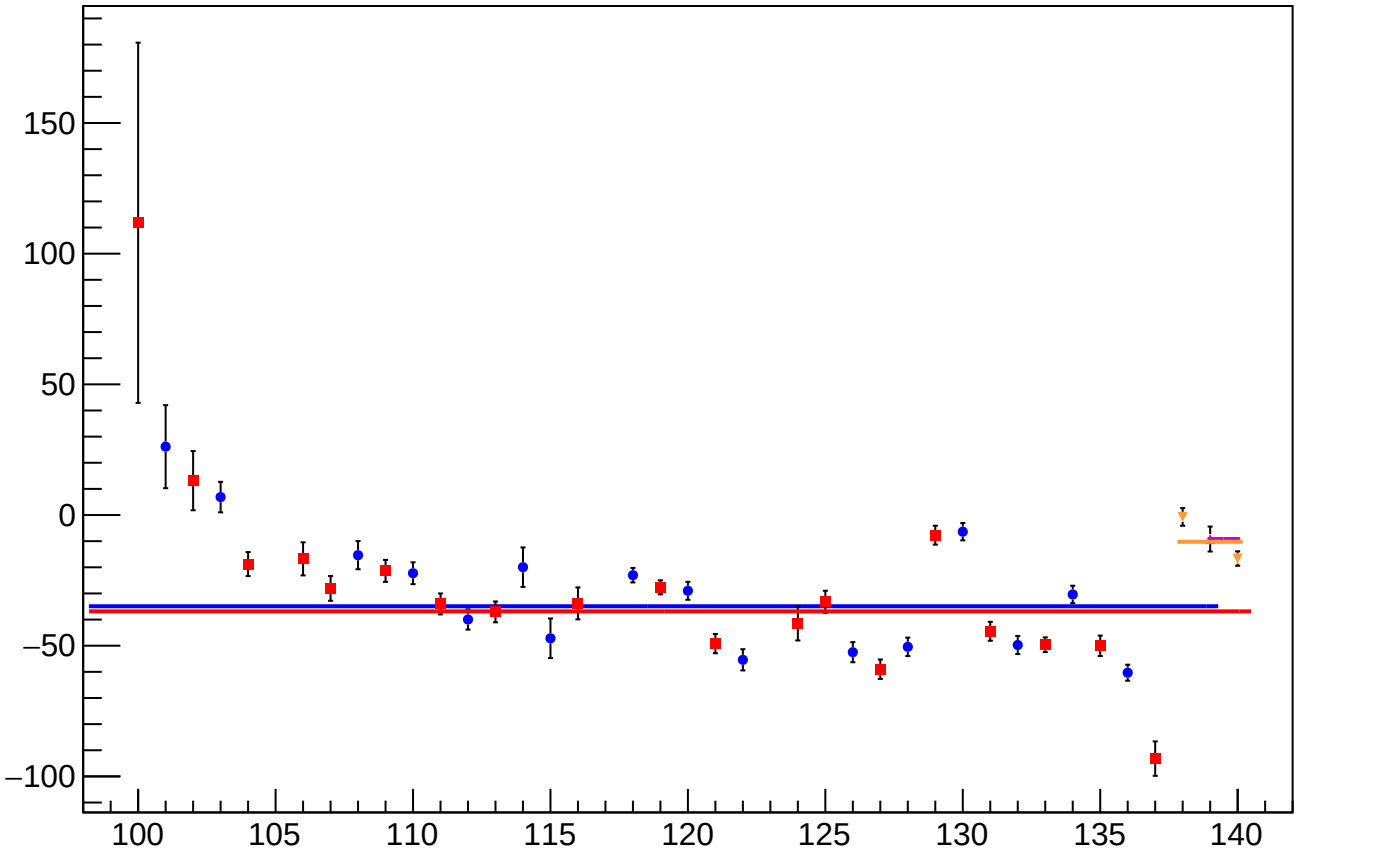
Left: 21.557+/-1.672 χ^2/NDF: 33.3/2

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 19.306+/-0.908 χ^2/NDF:579.1/16

Out: 15.187+/-0.850 χ^2/NDF:730.5/20

All: 17.112+/-0.621 χ^2/NDF: 1320.6/37



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -10.240+/-2.139 χ^2/NDF:13.3/1

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -9.182+/-4.775 χ^2/NDF:0.0/0

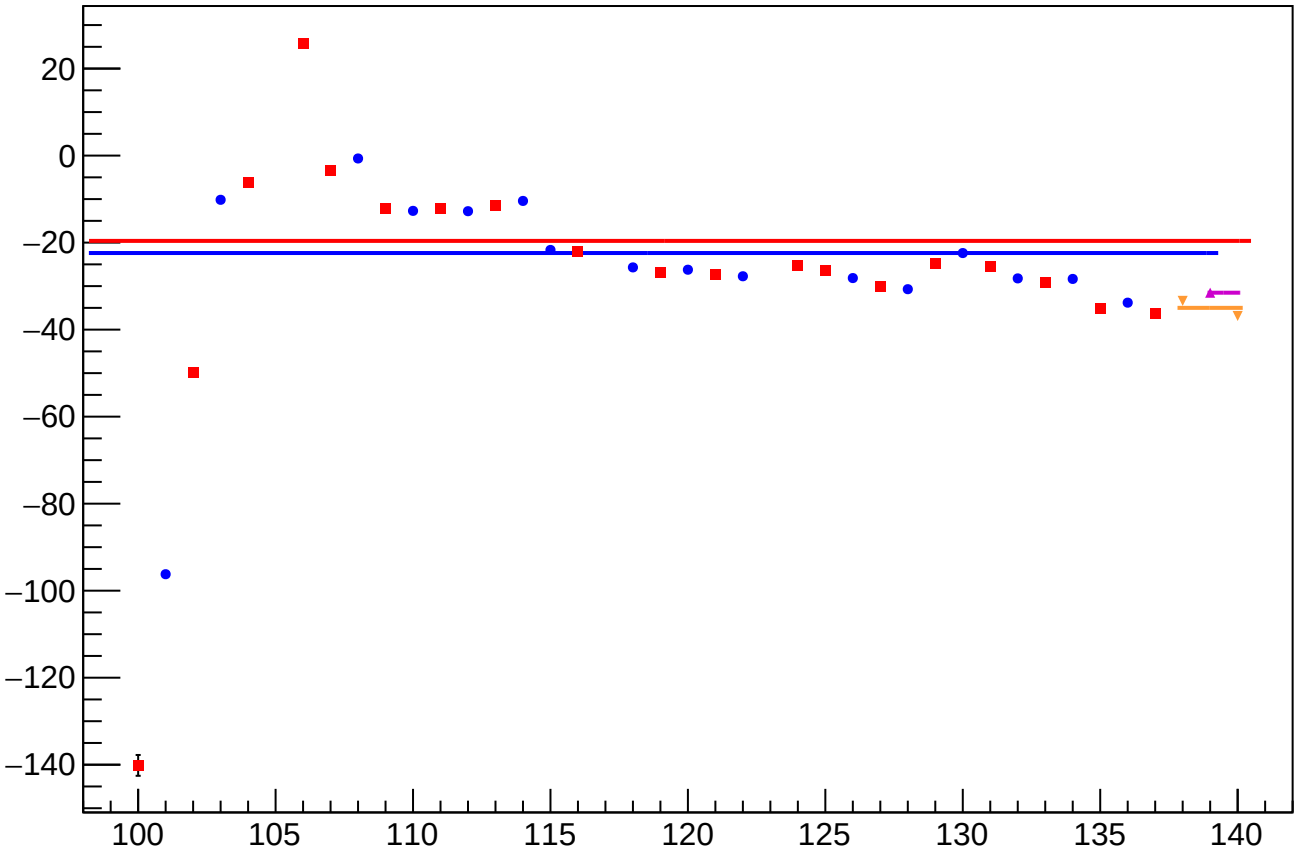
Left: -10.063+/-1.952 χ^2/NDF: 13.4/2

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -33.839+/-0.970 χ^2/NDF:374.4/16

Out: -32.319+/-0.883 χ^2/NDF:443.1/20

All: -33.008+/-0.653 χ^2/NDF: 818.9/37



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -34.997+/-0.086 χ^2/NDF:407.7/1

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -31.513+/-0.103 χ^2/NDF:0.0/0

Left: -33.567+/-0.066 χ^2/NDF: 1085.8/2

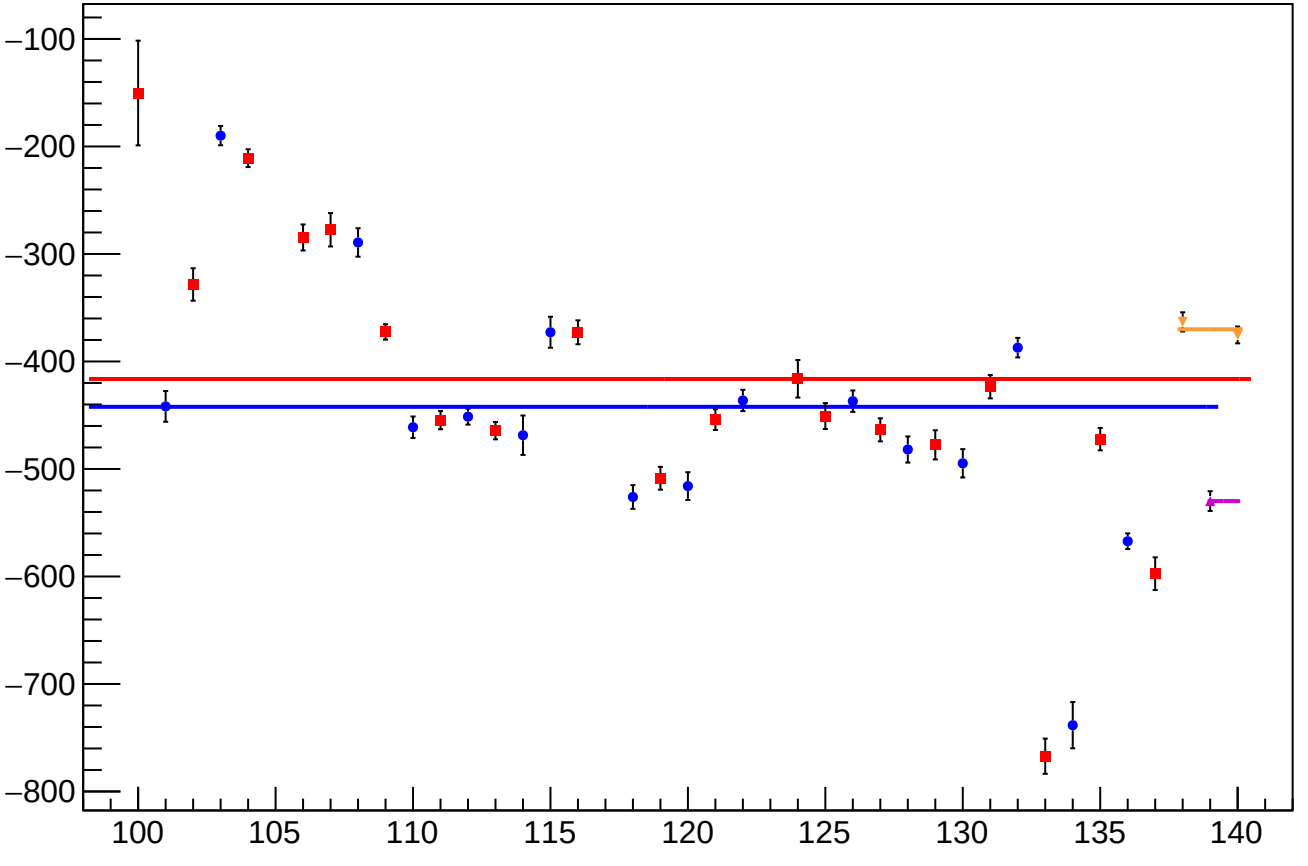
Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -24.615+/-0.051 χ^2/NDF:52481.9/16

Out: -24.607+/-0.049 χ^2/NDF:106055.1/20

All: -24.611+/-0.035 χ^2/NDF: 158537.0/37

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -370.050+/-5.885 χ^2/NDF:1.1/1

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -529.858+/-9.173 χ^2/NDF:0.0/0

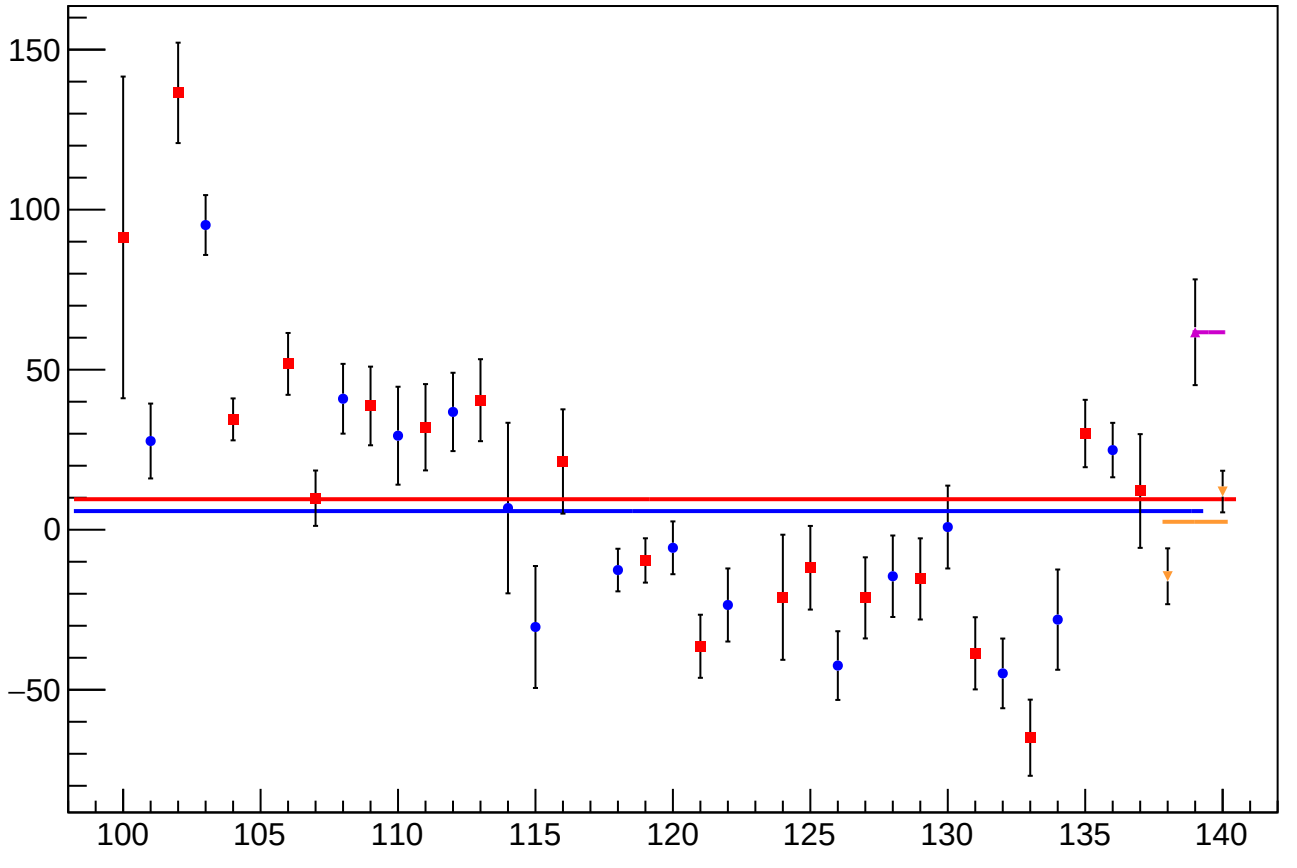
Left: -416.639+/-4.953 χ^2/NDF: 216.1/2

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -449.085+/-2.574 χ^2/NDF:1673.2/16

Out: -409.086+/-2.318 χ^2/NDF:1807.0/20

All: -427.003+/-1.723 χ^2/NDF: 3613.5/37



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 2.484+/-5.213 χ^2/NDF:5.9/1

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 61.701+/-16.521 χ^2/NDF:0.0/0

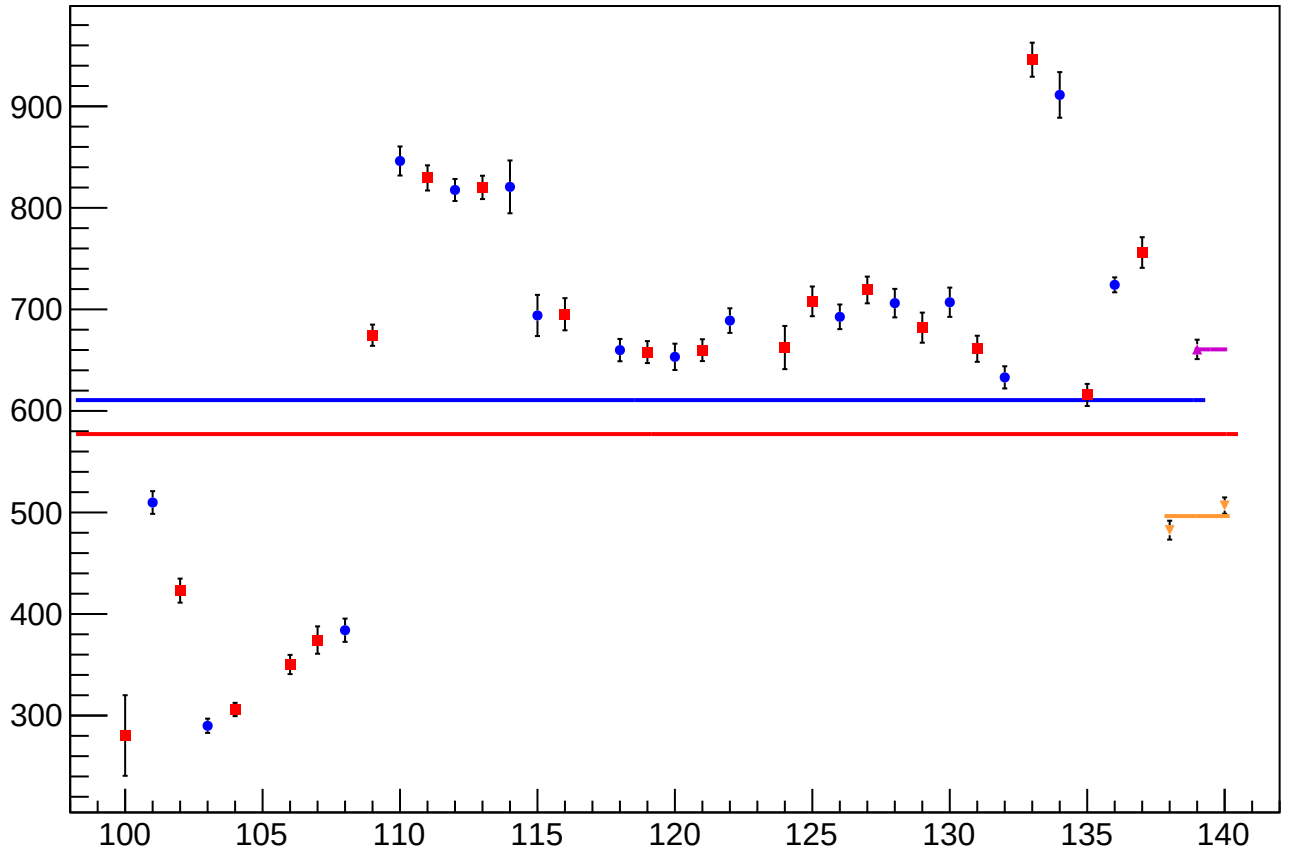
Left: 7.846+/-4.971 χ^2/NDF: 17.6/2

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 7.307+/-2.692 χ^2/NDF:199.3/16

Out: 8.169+/-2.295 χ^2/NDF:229.5/20

All: 7.806+/-1.746 χ^2/NDF: 428.9/37



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 496.442+/-6.088 χ^2/NDF:3.9/1

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 660.611+/-9.562 χ^2/NDF:0.0/0

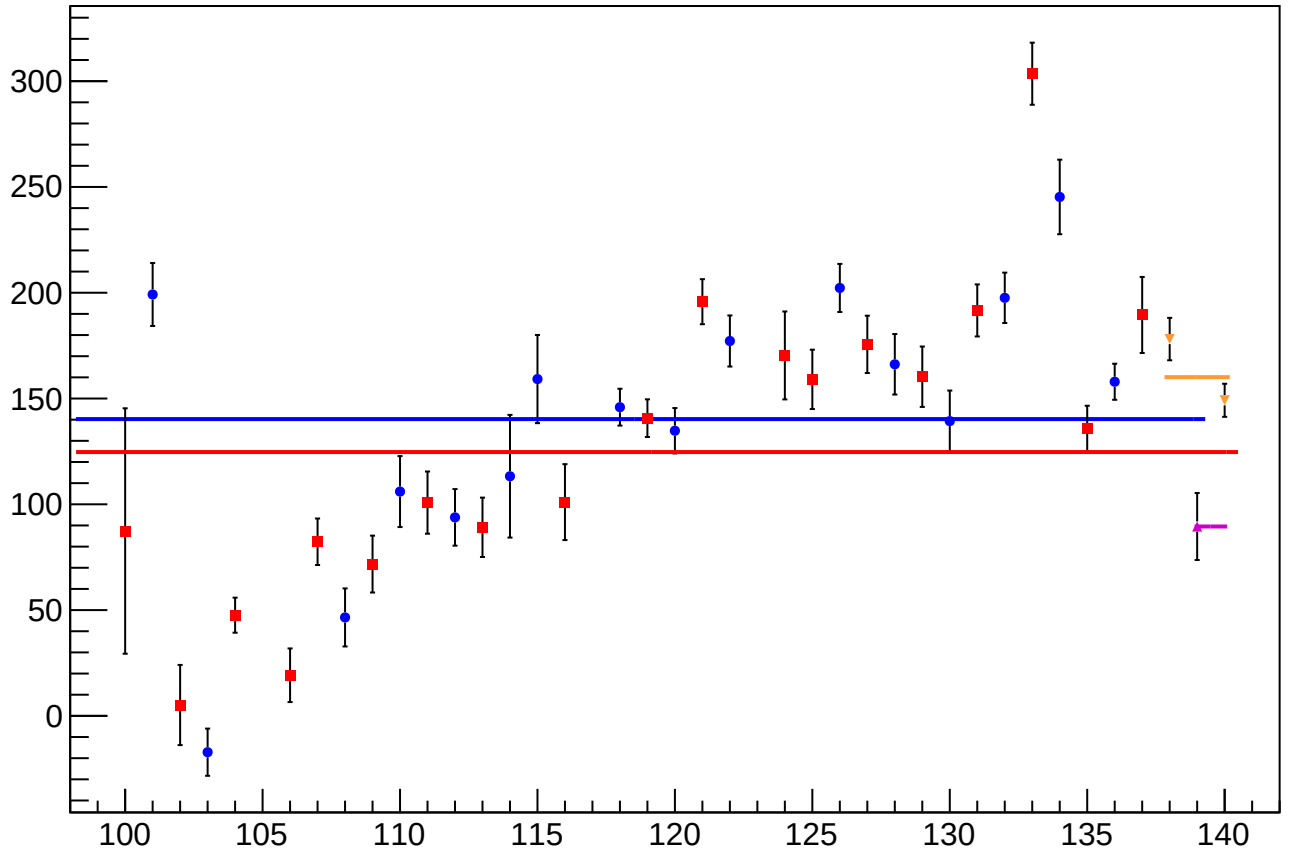
Left: 543.800+/-5.136 χ^2/NDF: 213.6/2

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 614.852+/-2.768 χ^2/NDF:3917.6/16

Out: 563.479+/-2.510 χ^2/NDF:4950.2/20

All: 586.656+/-1.860 χ^2/NDF: 9056.8/37



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 160.100+/-6.165 χ^2/NDF:5.2/1

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 89.509+/-15.841 χ^2/NDF:0.0/0

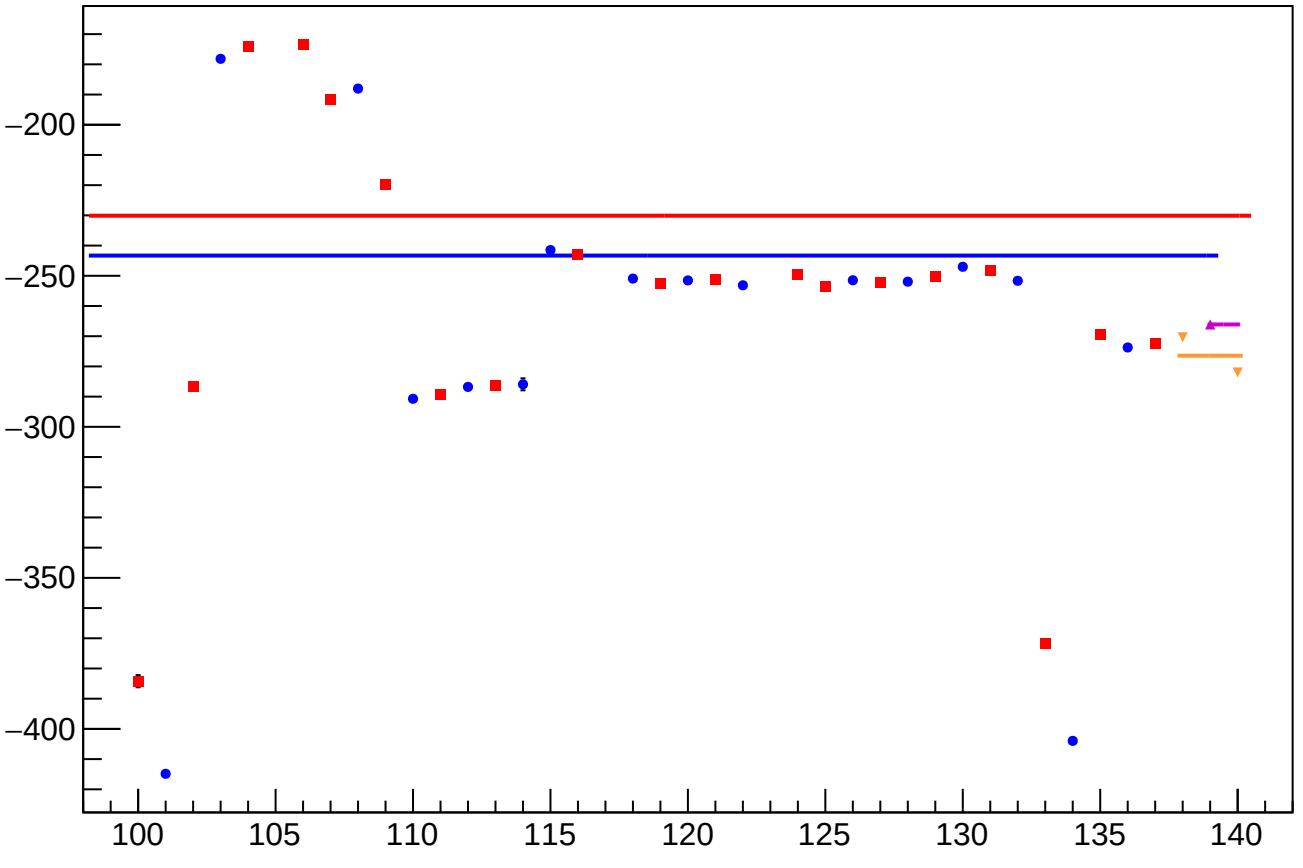
Left: 150.814+/-5.745 χ^2/NDF: 22.4/2

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 138.346+/-3.091 χ^2/NDF:395.3/16

Out: 131.397+/-2.682 χ^2/NDF:540.5/20

All: 134.382+/-2.026 χ^2/NDF: 938.6/37



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -276.453+/-0.259 χ^2/NDF:501.4/1

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -266.110+/-0.341 χ^2/NDF:0.0/0

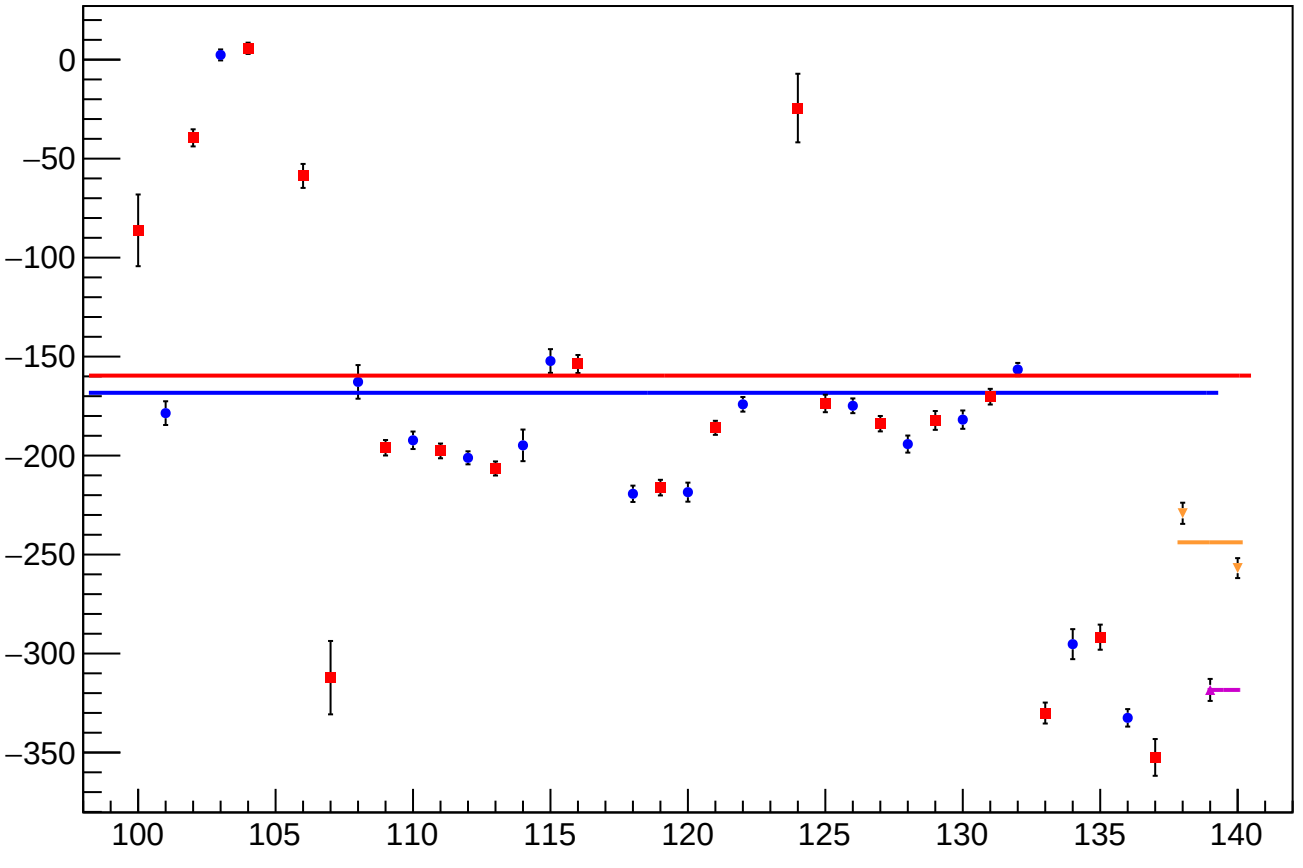
Left: -272.666+/-0.207 χ^2/NDF: 1083.4/2

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -247.522+/-0.147 χ^2/NDF:177125.8/16

Out: -242.575+/-0.135 χ^2/NDF:126281.7/20

All: -244.835+/-0.099 χ^2/NDF: 304024.8/37



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -243.822+/-3.666 χ^2/NDF:14.2/1

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -318.382+/-5.558 χ^2/NDF:0.0/0

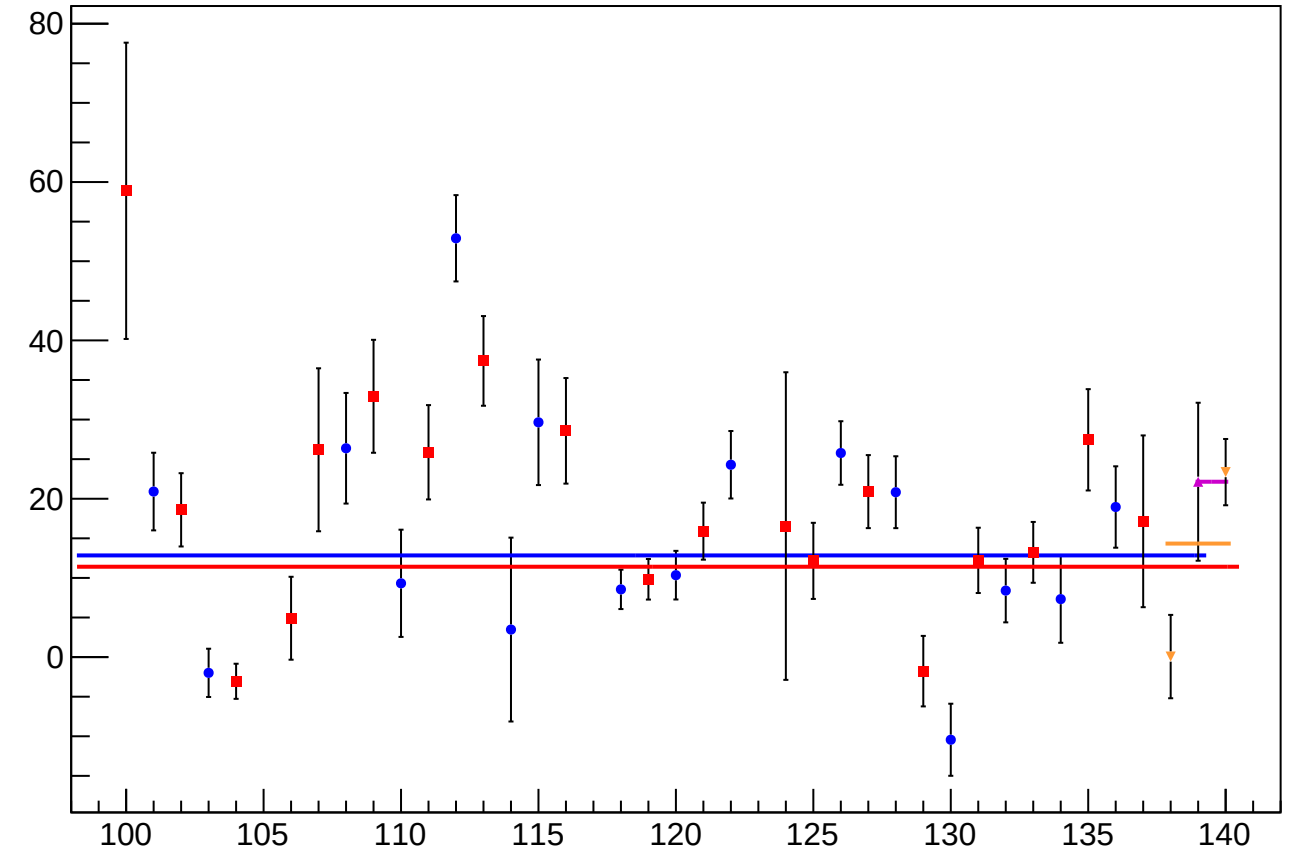
Left: -266.425+/-3.060 χ^2/NDF: 139.6/2

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -173.711+/-1.056 χ^2/NDF:6610.5/16

Out: -165.901+/-1.003 χ^2/NDF:7700.4/20

All: -169.603+/-0.727 χ^2/NDF: 14339.6/37



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 14.339+/-3.276 χ^2/NDF:12.0/1

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 22.149+/-9.976 χ^2/NDF:0.0/0

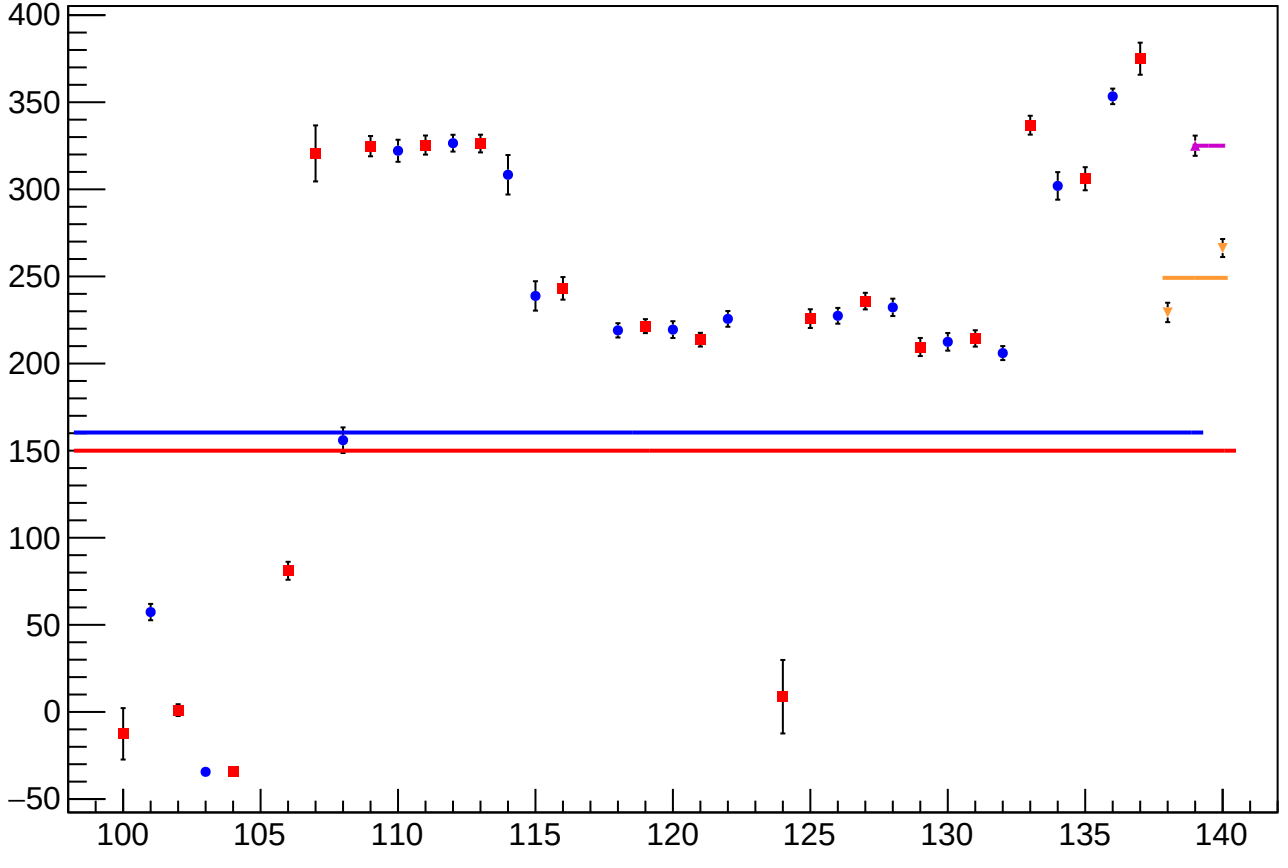
Left: 15.099+/-3.113 χ^2/NDF: 12.6/2

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 12.949+/-1.070 χ^2/NDF:144.6/16

Out: 11.679+/-0.987 χ^2/NDF:132.3/20

All: 12.263+/-0.726 χ^2/NDF: 277.6/37



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 249.188+/-3.795 χ^2/NDF:23.6/1

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 325.046+/-5.797 χ^2/NDF:0.0/0

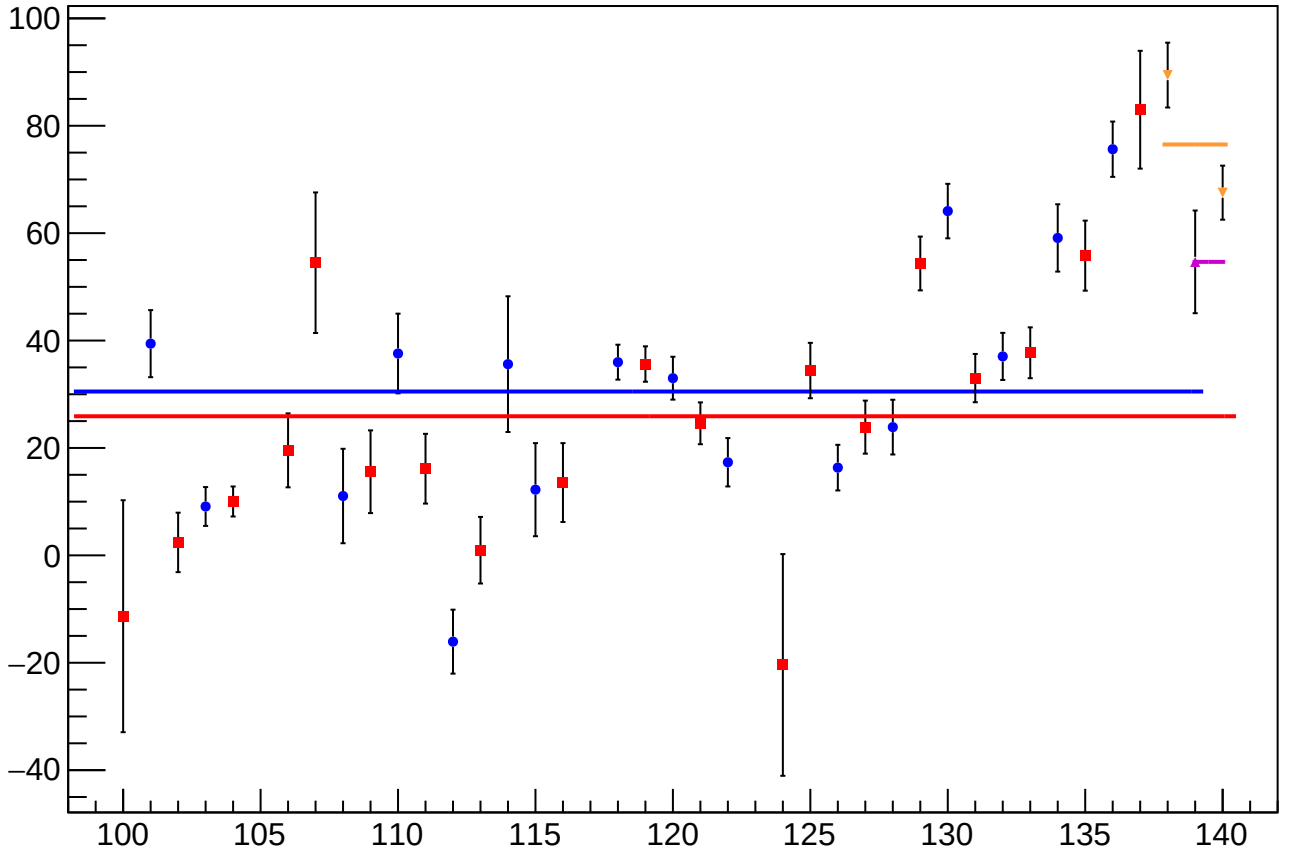
Left: 271.946+/-3.175 χ^2/NDF: 143.5/2

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 166.527+/-1.118 χ^2/NDF:14726.5/16

Out: 157.751+/-1.062 χ^2/NDF:16918.7/20

All: 161.917+/-0.770 χ^2/NDF: 31677.5/37



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 76.516+/-3.865 χ^2/NDF:7.8/1

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 54.653+/-9.562 χ^2/NDF:0.0/0

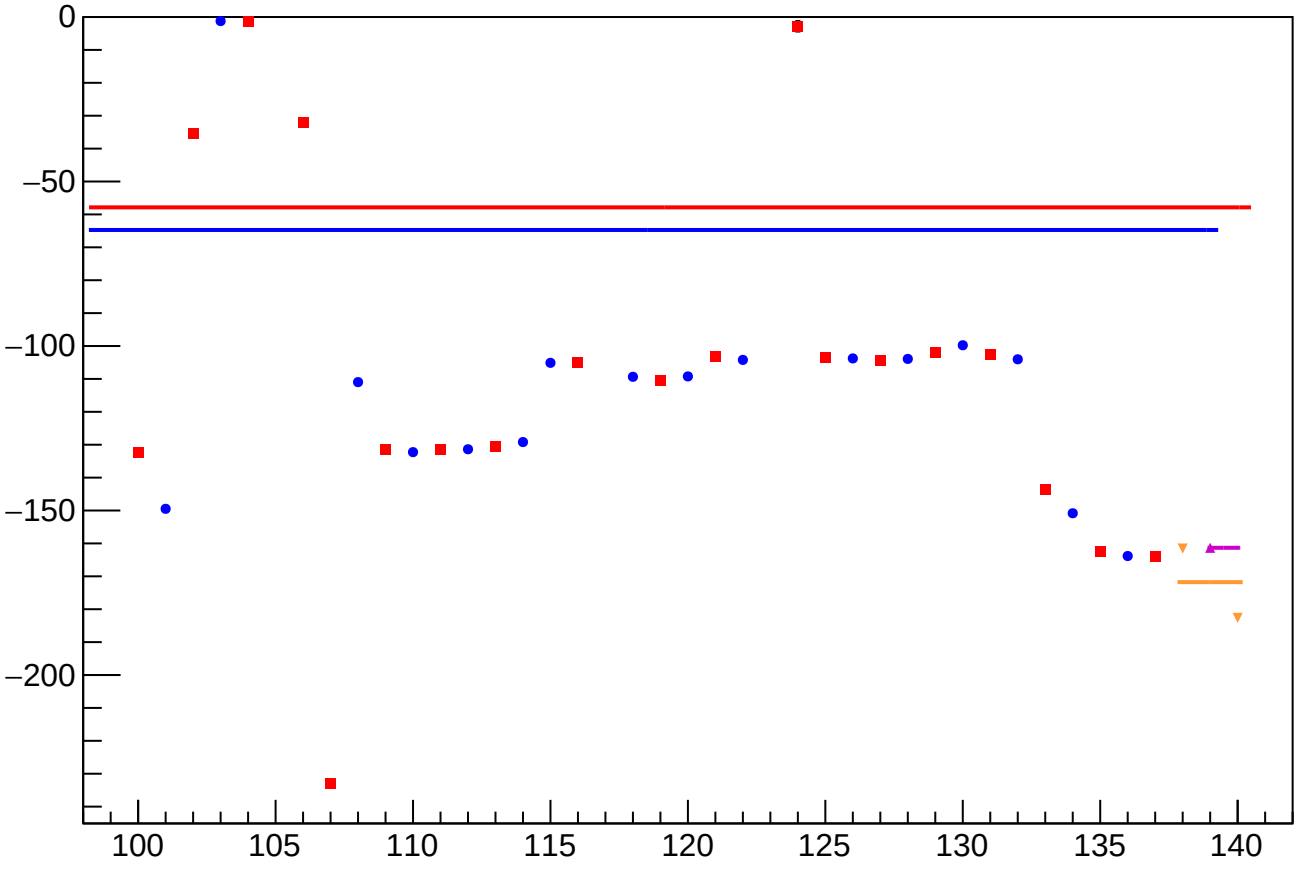
Left: 73.445+/-3.583 χ^2/NDF: 12.3/2

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 30.919+/-1.244 χ^2/NDF:283.2/16

Out: 30.441+/-1.157 χ^2/NDF:351.6/20

All: 30.663+/-0.847 χ^2/NDF: 634.9/37



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -171.765+/-0.161 χ^2/NDF:4283.7/1

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -161.326+/-0.206 χ^2/NDF:0.0/0

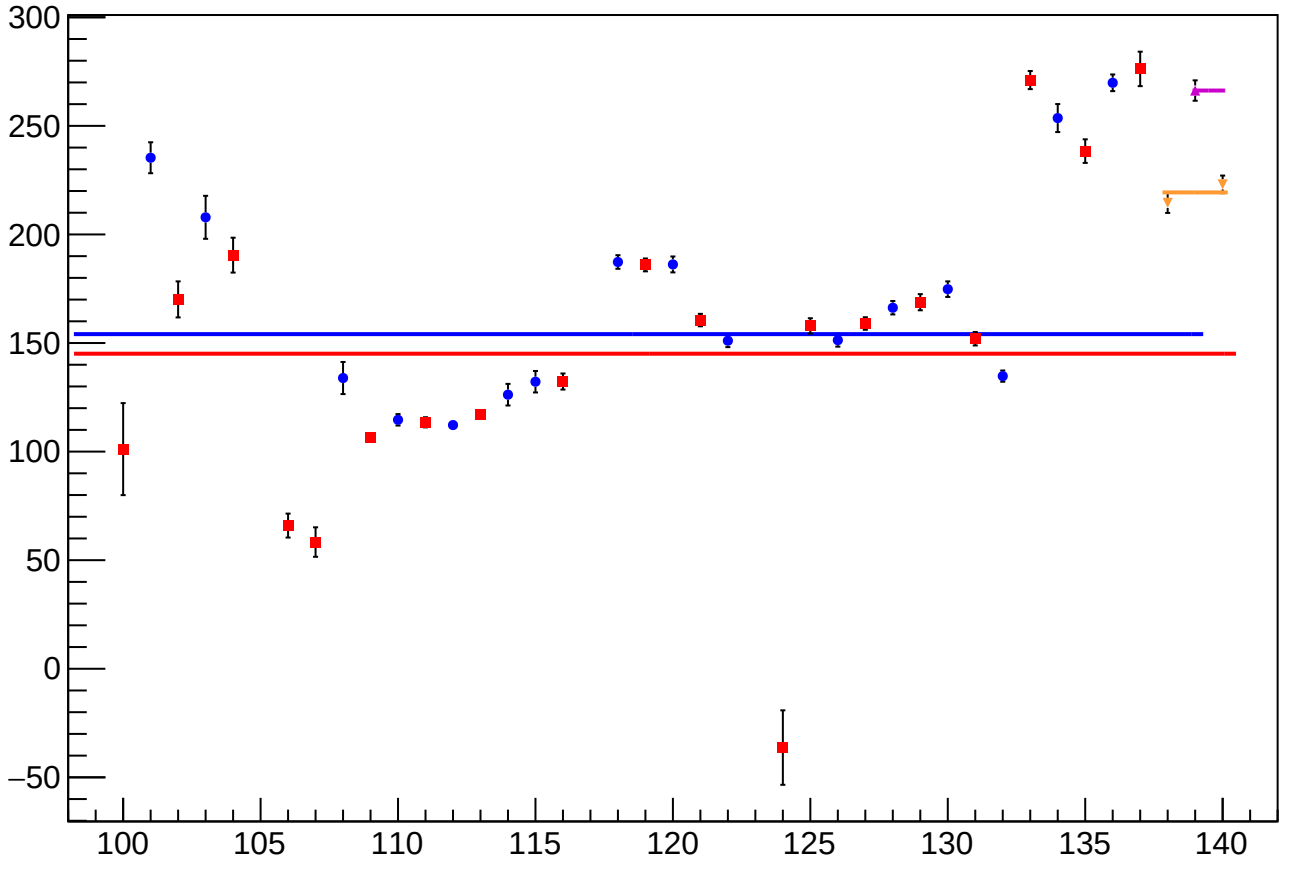
Left: -167.812+/-0.127 χ^2/NDF: 5877.7/2

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -73.172+/-0.061 χ^2/NDF:1244913.1/16

Out: -72.644+/-0.058 χ^2/NDF:1316220.8/20

All: -72.895+/-0.042 χ^2/NDF: 2561173.3/37



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 219.352+/-3.050 χ^2/NDF:1.9/1

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 266.267+/-4.697 χ^2/NDF:0.0/0

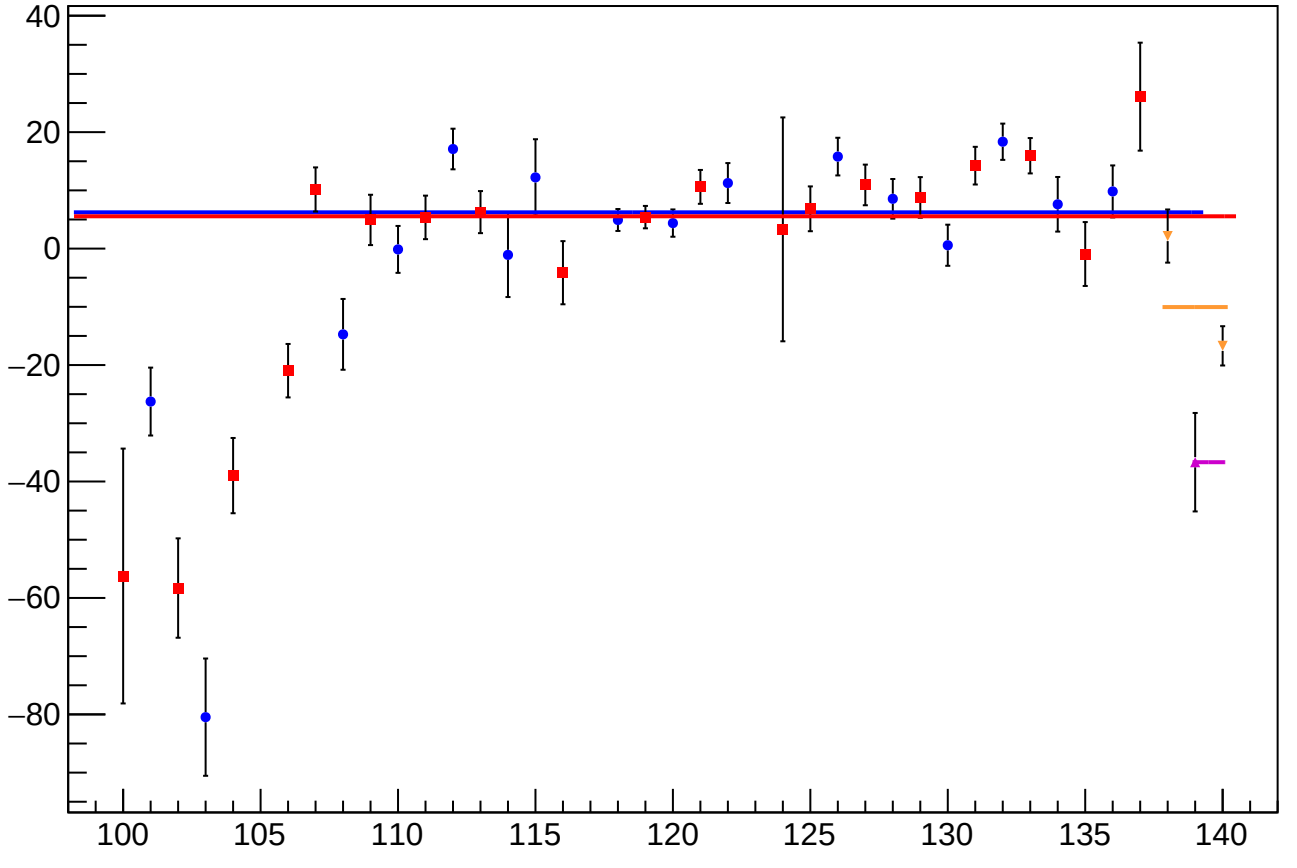
Left: 233.272+/-2.558 χ^2/NDF: 72.1/2

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 157.810+/-0.855 χ^2/NDF:2832.7/16

Out: 150.157+/-0.797 χ^2/NDF:3512.6/20

All: 153.718+/-0.583 χ^2/NDF: 6388.1/37



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -10.043+/-2.713 χ^2/NDF:11.0/1

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

Left In: -36.685+/-8.457 χ^2/NDF:0.0/0

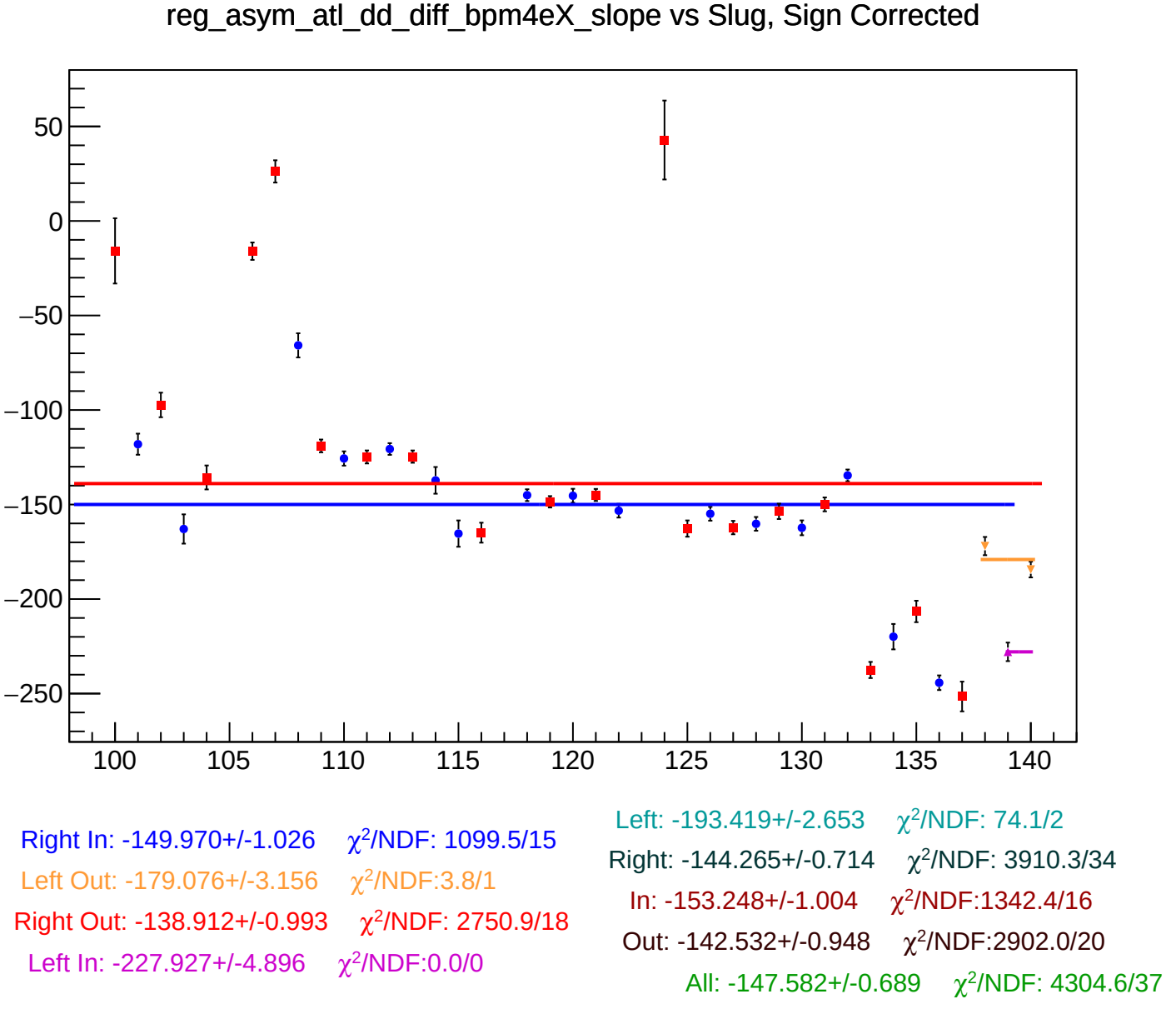
Left: -12.529+/-2.583 χ^2/NDF: 20.0/2

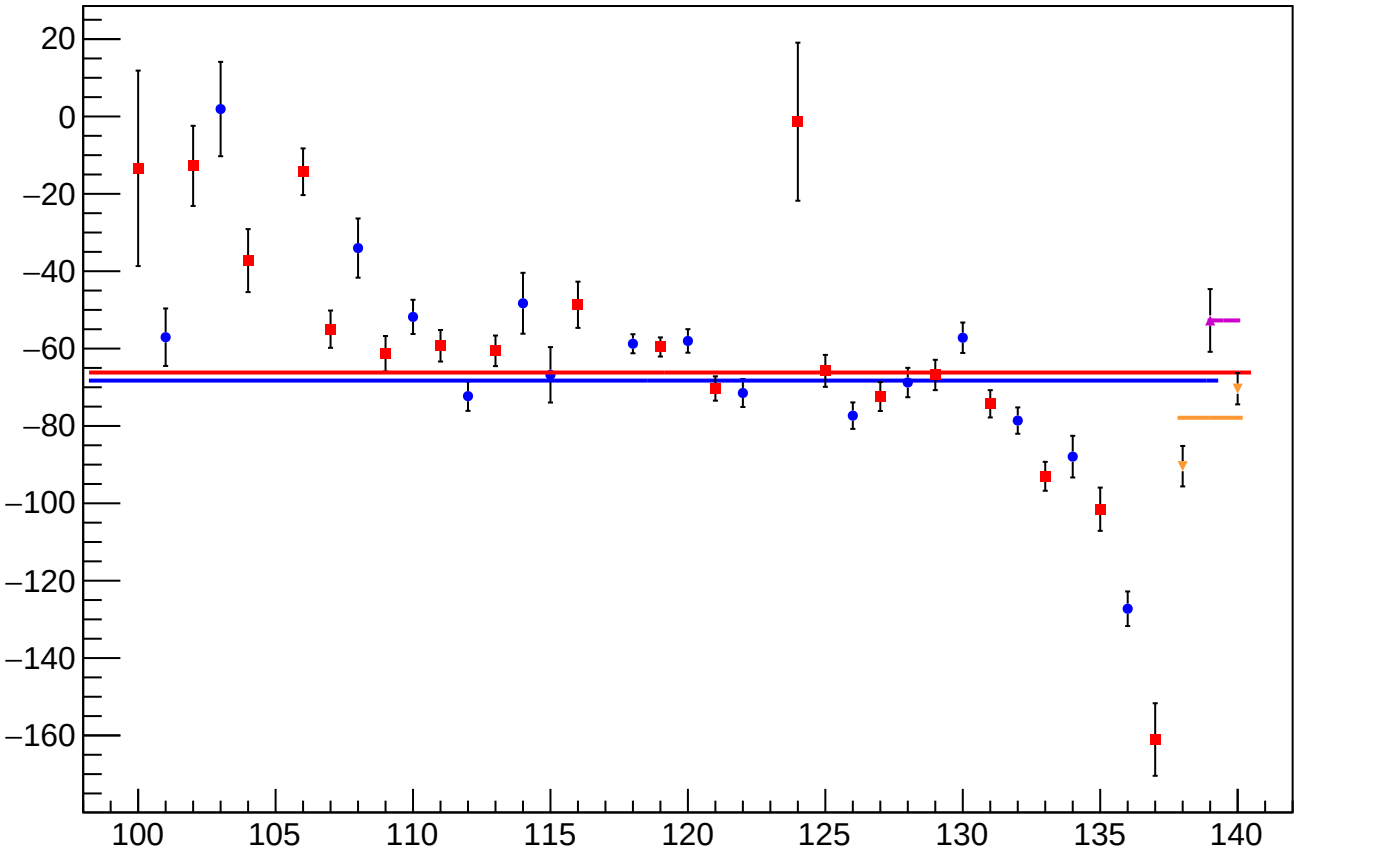
Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 5.759+/-0.885 χ^2/NDF:187.5/16

Out: 4.035+/-0.845 χ^2/NDF:222.0/20

All: 4.857+/-0.611 χ^2/NDF: 411.5/37


reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
105
110
115
120
125
130
135
140
Right In: -149.970+/-1.026 χ²/NDF: 1099.5/15
Left Out: -179.076+/-3.156 χ²/NDF:3.8/1
Right Out: -138.912+/-0.993 χ²/NDF: 2750.9/18
Left In: -227.927+/-4.896 χ²/NDF:0.0/0
Left: -193.419+/-2.653 χ²/NDF: 74.1/2
Right: -144.265+/-0.714 χ²/NDF: 3910.3/34
In: -153.248+/-1.004 χ²/NDF:1342.4/16
Out: -142.532+/-0.948 χ²/NDF:2902.0/20
All: -147.582+/-0.689 χ²/NDF: 4304.6/37



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -77.883+/-3.205 χ^2/NDF:9.2/1

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -52.726+/-8.108 χ^2/NDF:0.0/0

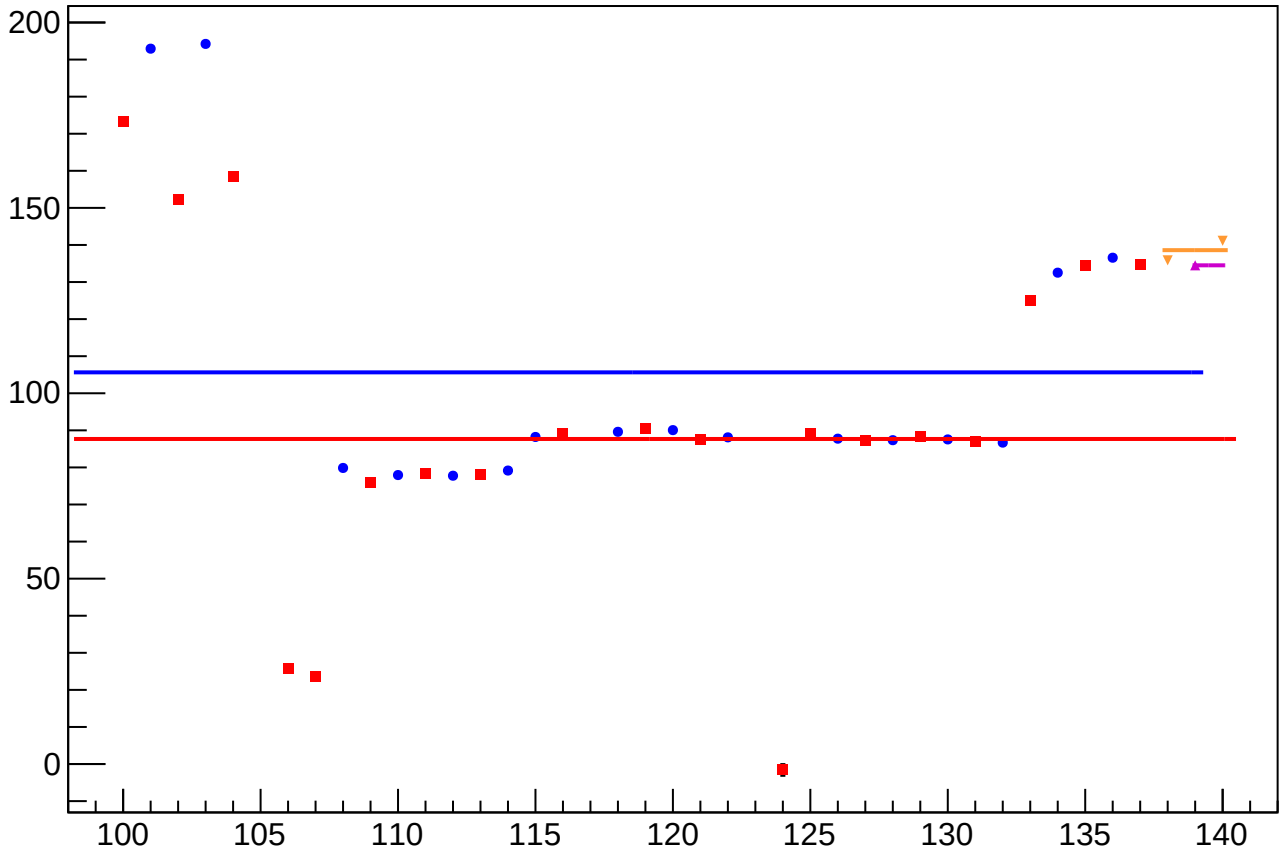
Left: -74.484+/-2.980 χ^2/NDF: 17.5/2

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -68.023+/-1.025 χ^2/NDF:319.0/16

Out: -67.269+/-0.975 χ^2/NDF:379.6/20

All: -67.628+/-0.707 χ^2/NDF: 698.9/37



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 138.598+/-0.134 χ^2/NDF:385.6/1

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 134.510+/-0.175 χ^2/NDF:0.0/0

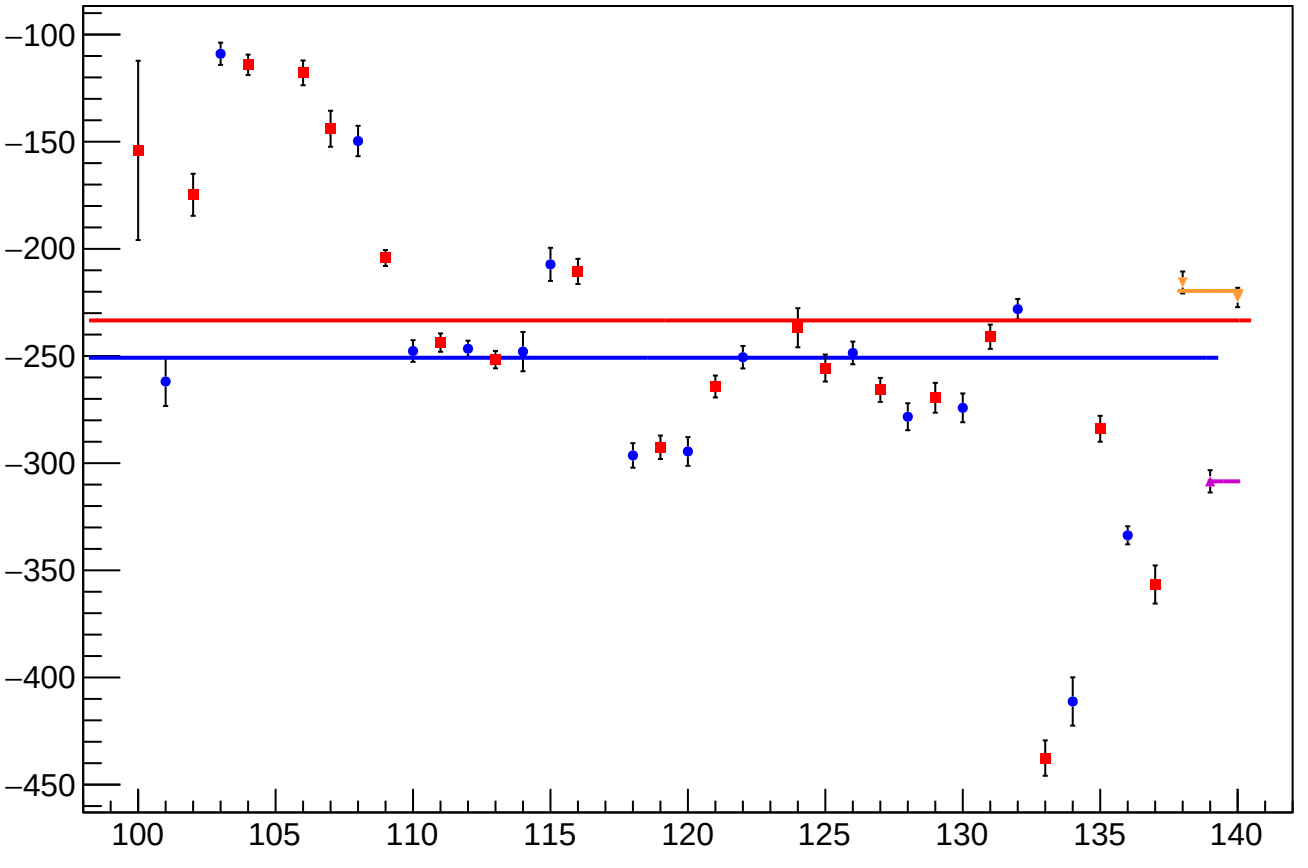
Left: 137.081+/-0.106 χ^2/NDF: 730.1/2

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 109.716+/-0.066 χ^2/NDF:263069.5/16

Out: 97.501+/-0.059 χ^2/NDF:491045.1/20

All: 102.955+/-0.044 χ^2/NDF: 773282.4/37



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -219.612+/-3.386 χ^2/NDF:1.1/1

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -308.479+/-5.204 χ^2/NDF:0.0/0

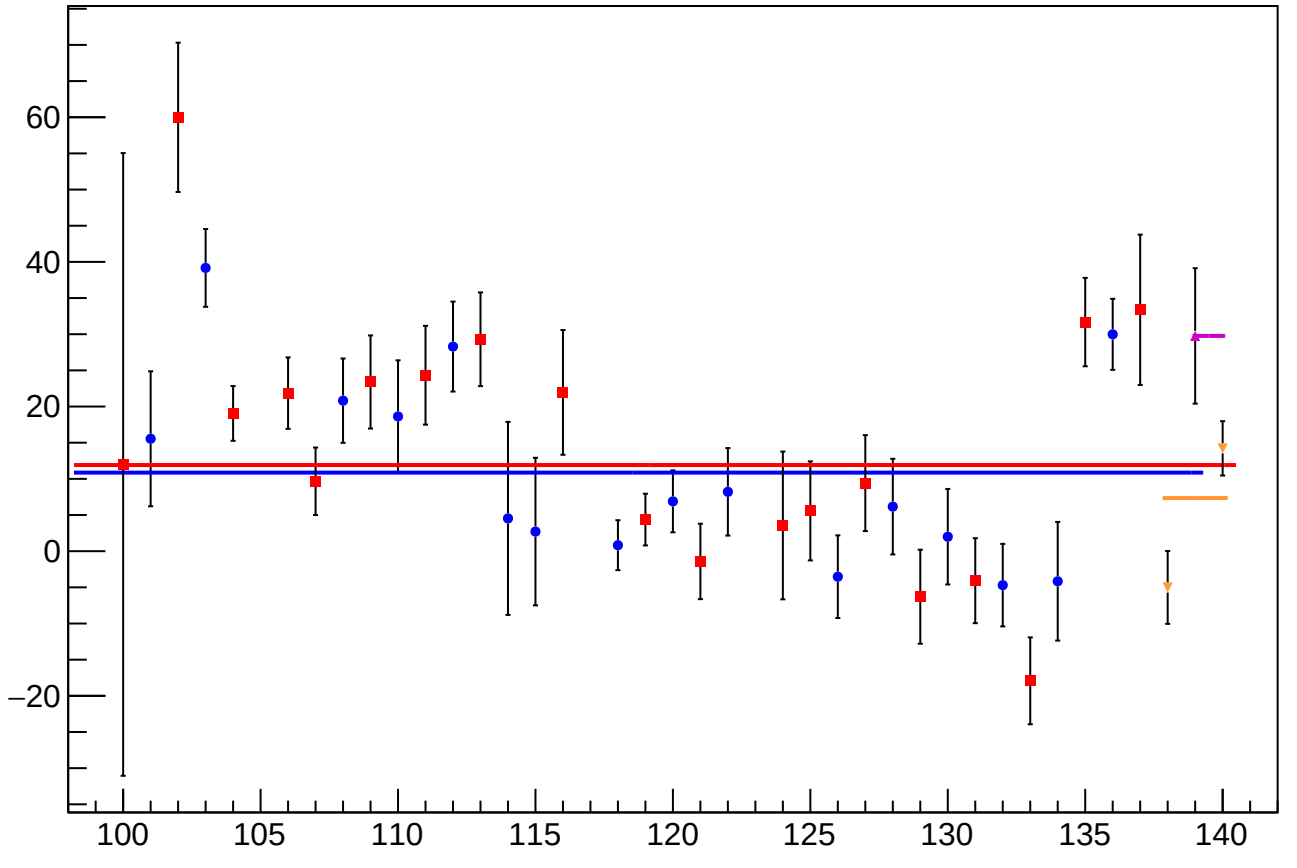
Left: -246.038+/-2.838 χ^2/NDF: 205.9/2

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -254.904+/-1.386 χ^2/NDF:1849.8/16

Out: -231.545+/-1.241 χ^2/NDF:2393.9/20

All: -241.933+/-0.924 χ^2/NDF: 4401.3/37



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 7.345+/-3.011 χ^2/NDF:9.4/1

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 29.767+/-9.365 χ^2/NDF:0.0/0

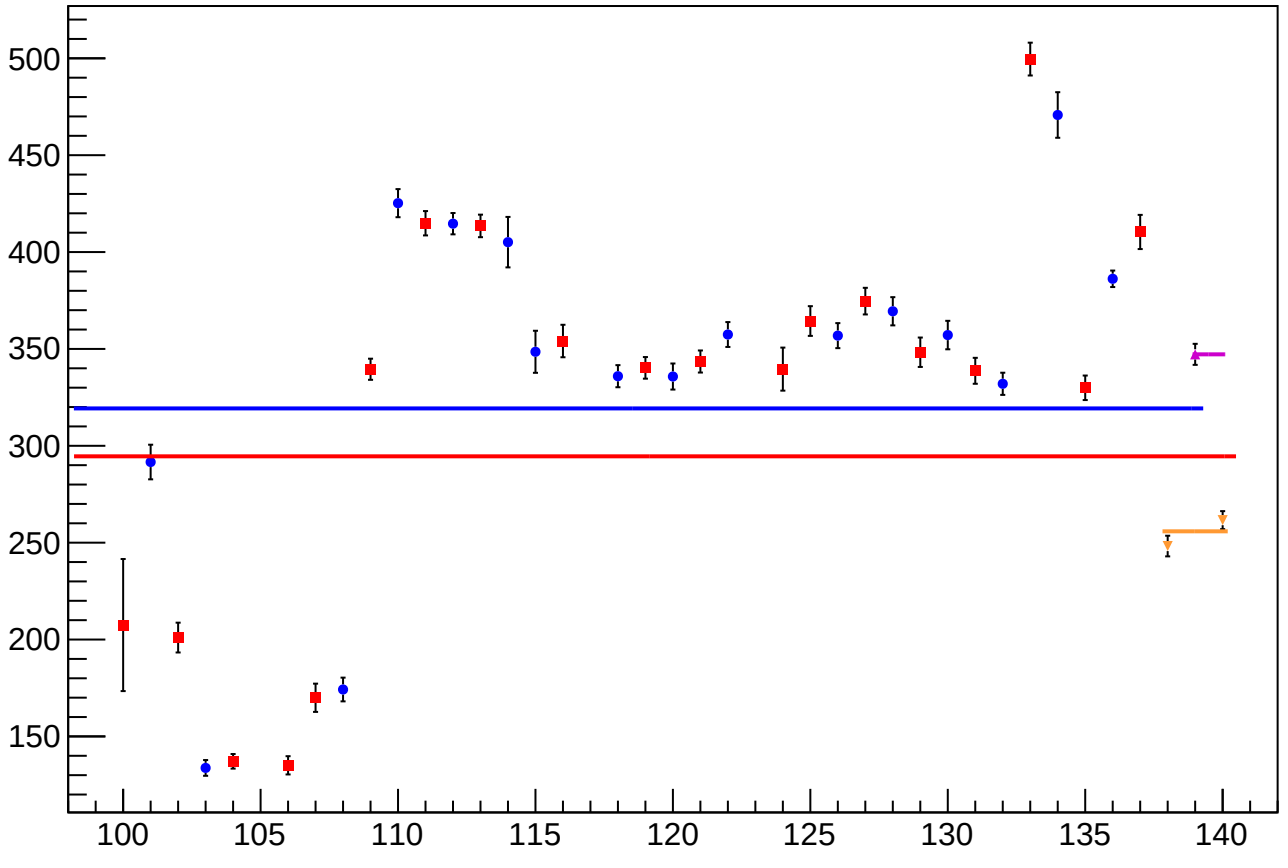
Left: 9.446+/-2.867 χ^2/NDF: 14.6/2

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 11.319+/-1.453 χ^2/NDF:88.6/16

Out: 11.131+/-1.245 χ^2/NDF:123.2/20

All: 11.211+/-0.945 χ^2/NDF: 211.8/37



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 255.857+/-3.503 χ^2/NDF:3.6/1

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 347.207+/-5.425 χ^2/NDF:0.0/0

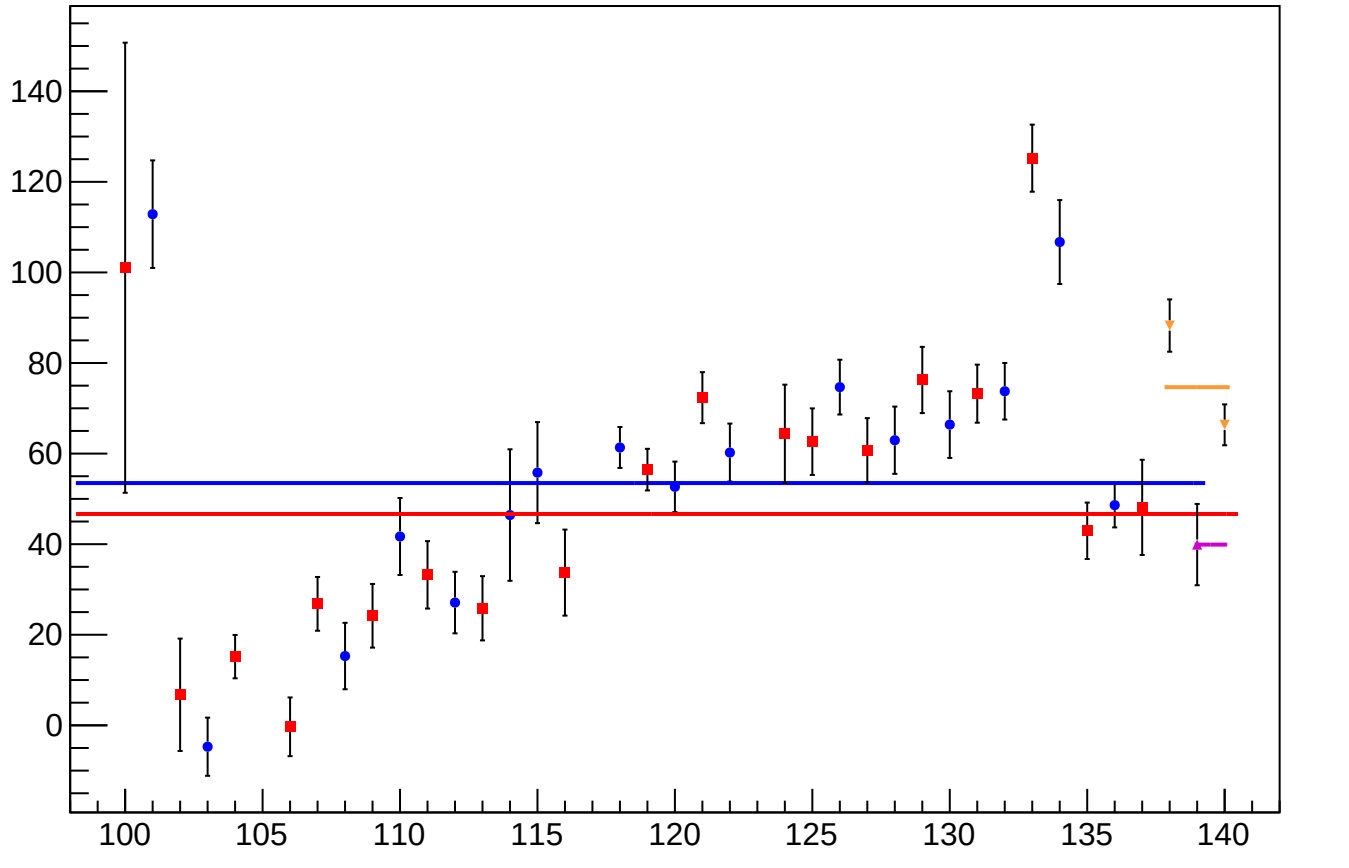
Left: 282.738+/-2.943 χ^2/NDF: 203.7/2

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 321.491+/-1.522 χ^2/NDF:3817.3/16

Out: 288.695+/-1.364 χ^2/NDF:5610.3/20

All: 303.305+/-1.016 χ^2/NDF: 9685.0/37



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 74.668+/-3.557 χ^2/NDF:8.9/1

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 39.907+/-8.979 χ^2/NDF:0.0/0

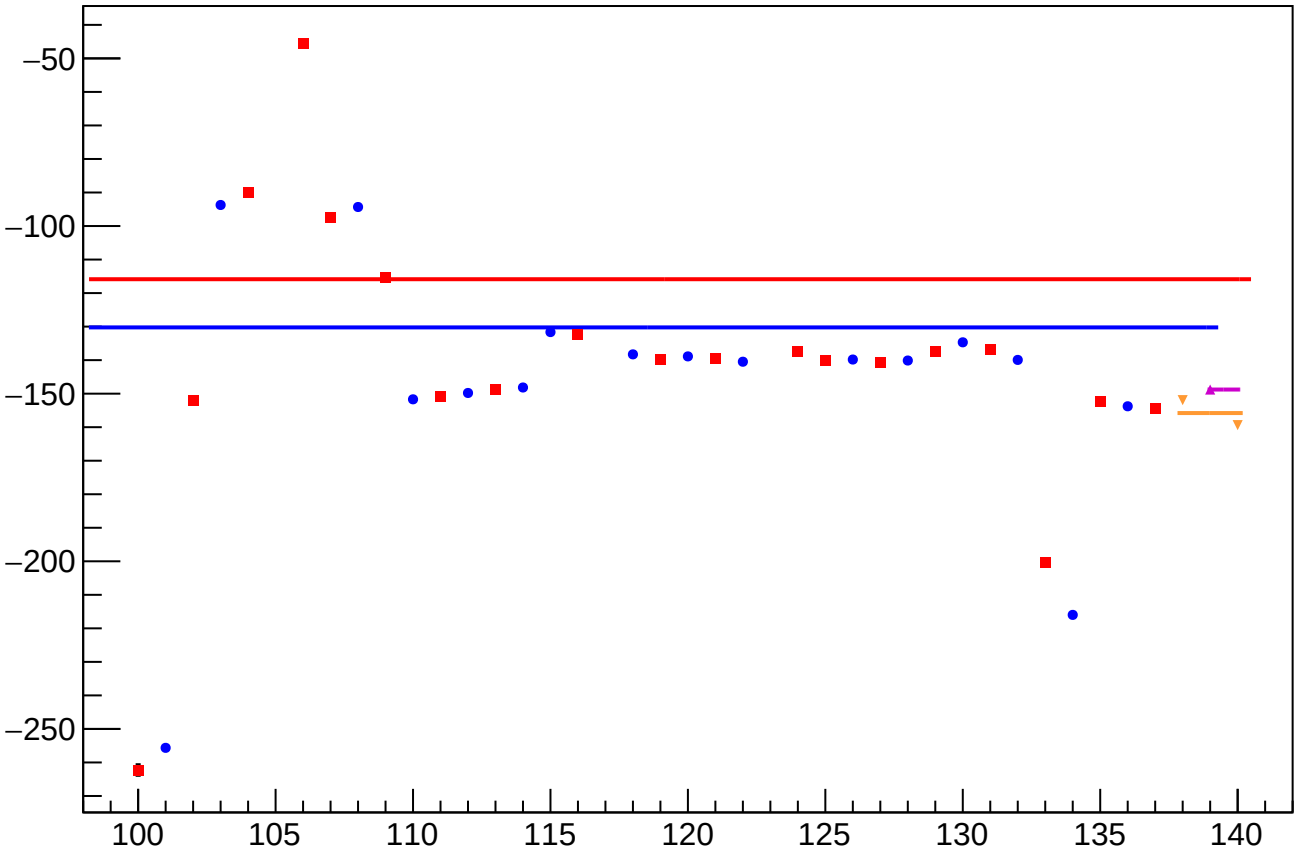
Left: 69.953+/-3.307 χ^2/NDF: 21.9/2

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 53.024+/-1.669 χ^2/NDF:219.4/16

Out: 51.346+/-1.454 χ^2/NDF:386.2/20

All: 52.070+/-1.096 χ^2/NDF: 606.2/37



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -155.784+/-0.149 χ^2/NDF:624.7/1

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -148.771+/-0.193 χ^2/NDF:0.0/0

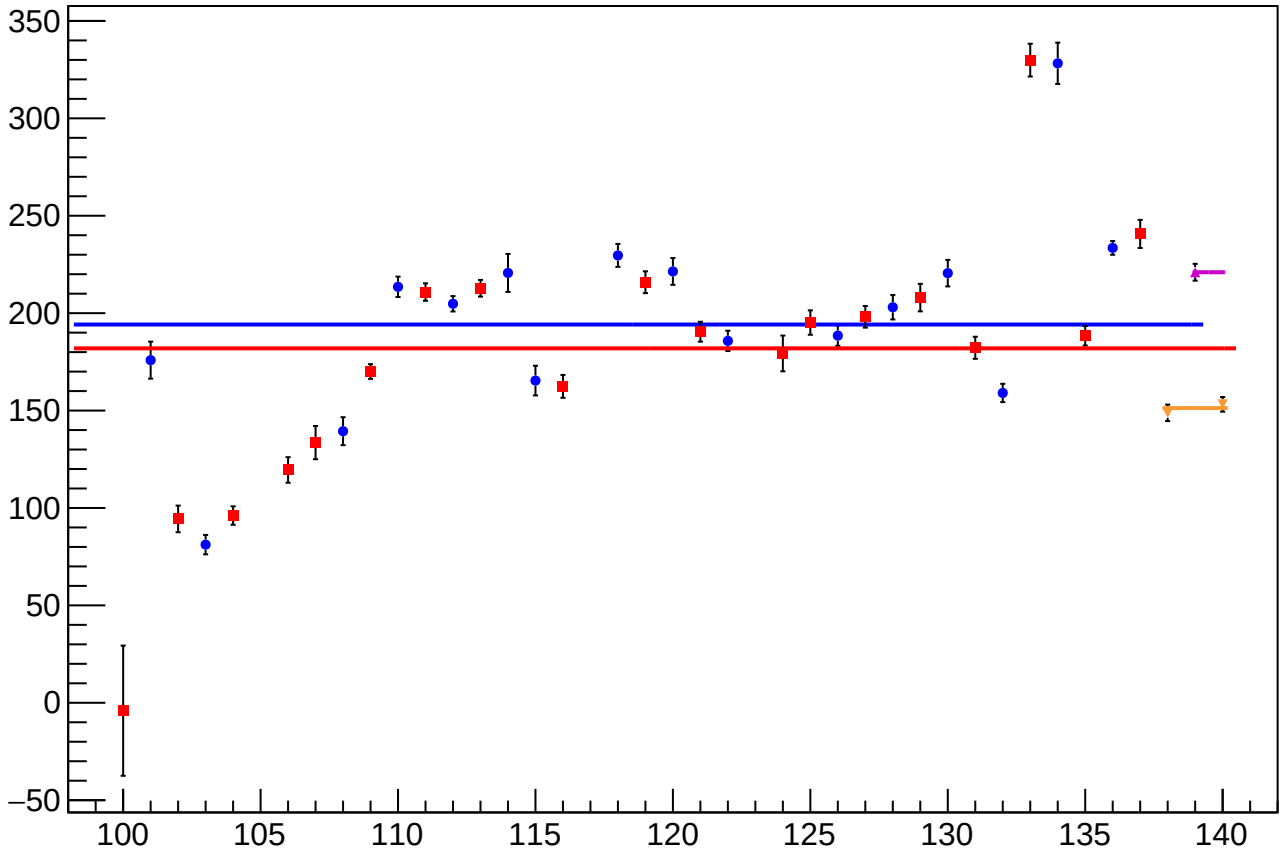
Left: -153.173+/-0.118 χ^2/NDF: 1449.5/2

Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -133.599+/-0.082 χ^2/NDF:181720.9/16

Out: -125.792+/-0.074 χ^2/NDF:260455.4/20

All: -129.293+/-0.055 χ^2/NDF: 447126.9/37



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 151.278+/-2.808 χ^2/NDF:0.6/1

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 220.999+/-4.334 χ^2/NDF:0.0/0

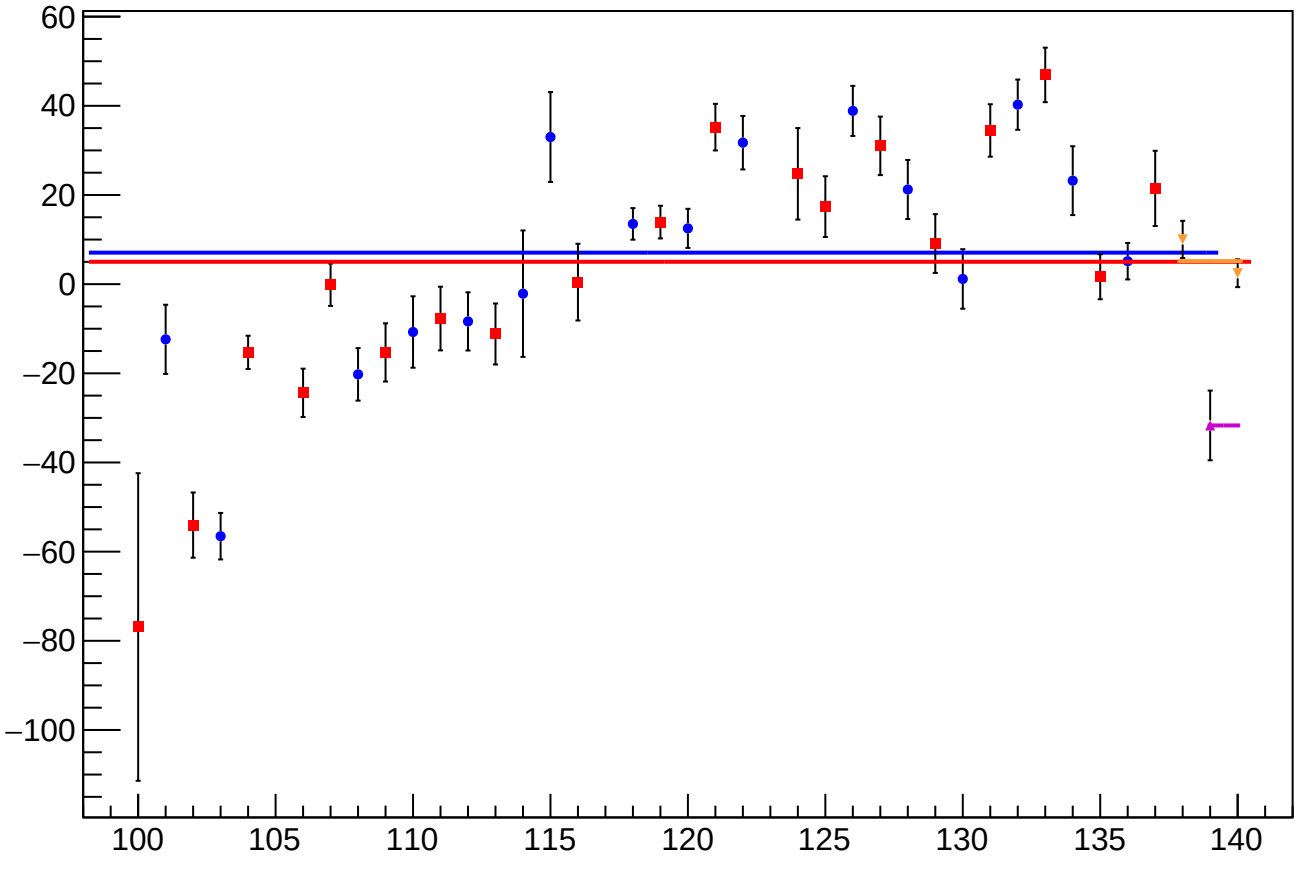
Left: 171.892+/-2.357 χ^2/NDF: 182.8/2

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 196.721+/-1.338 χ^2/NDF:1069.9/16

Out: 176.369+/-1.196 χ^2/NDF:1302.9/20

All: 185.408+/-0.892 χ^2/NDF: 2501.4/37



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 5.167+/-2.496 χ^2/NDF:2.1/1

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -31.693+/-7.817 χ^2/NDF:0.0/0

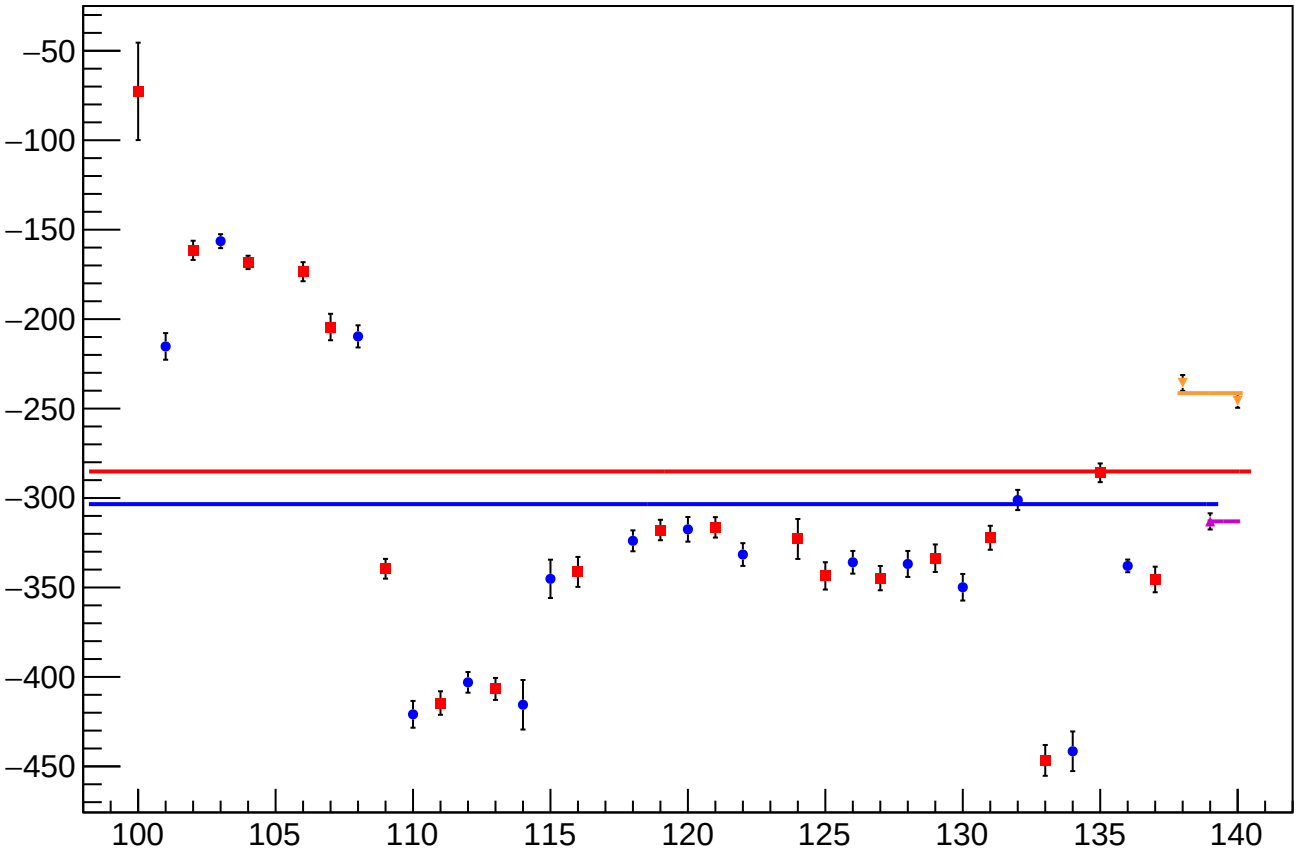
Left: 1.756+/-2.378 χ^2/NDF: 22.3/2

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 5.789+/-1.419 χ^2/NDF:316.3/16

Out: 5.050+/-1.191 χ^2/NDF:290.7/20

All: 5.355+/-0.912 χ^2/NDF: 607.2/37



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -241.366+/-2.906 χ^2/NDF:2.9/1

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -313.055+/-4.517 χ^2/NDF:0.0/0

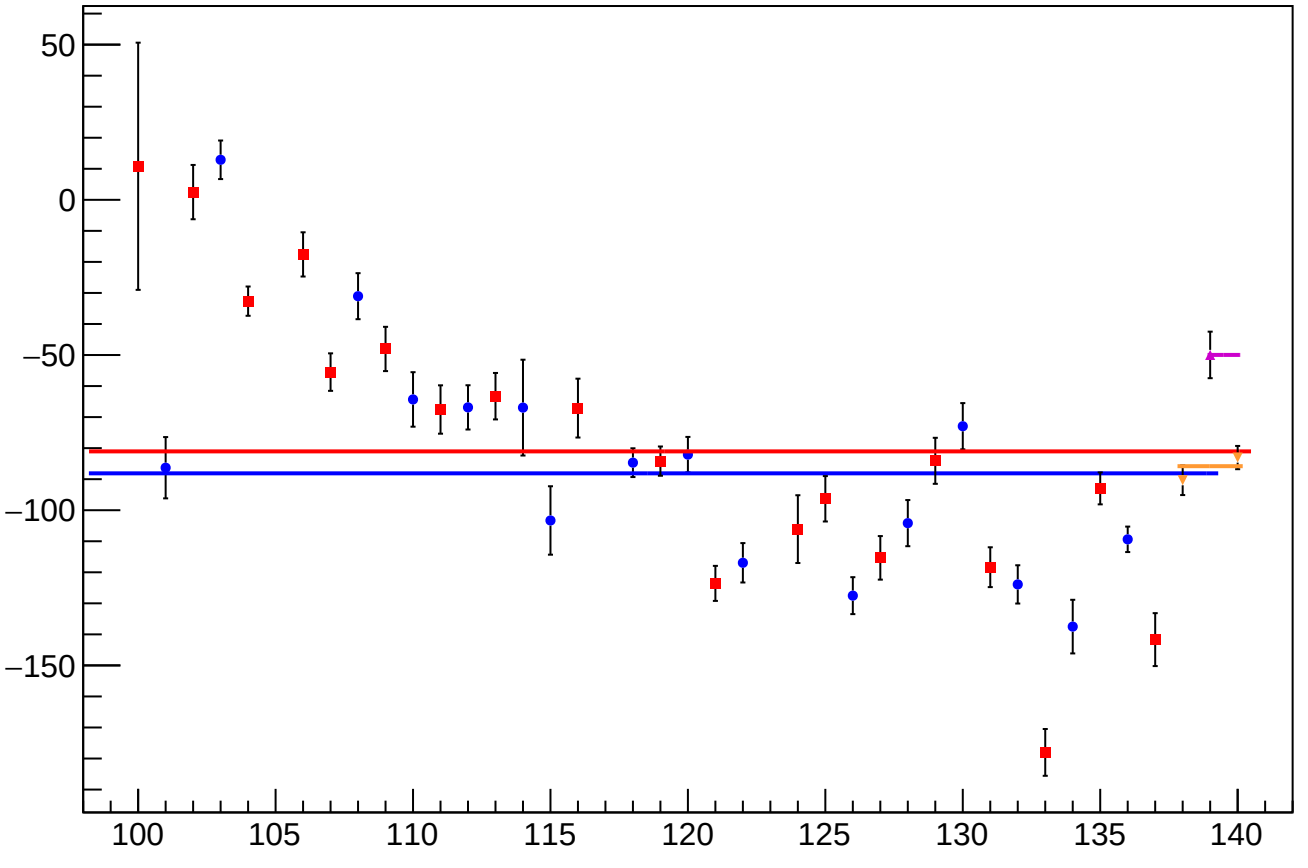
Left: -262.351+/-2.444 χ^2/NDF: 181.1/2

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -304.401+/-1.449 χ^2/NDF:2789.6/16

Out: -276.411+/-1.298 χ^2/NDF:3939.5/20

All: -288.872+/-0.967 χ^2/NDF: 6936.0/37



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -85.813+/-2.949 χ^2/NDF:1.4/1

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -49.967+/-7.496 χ^2/NDF:0.0/0

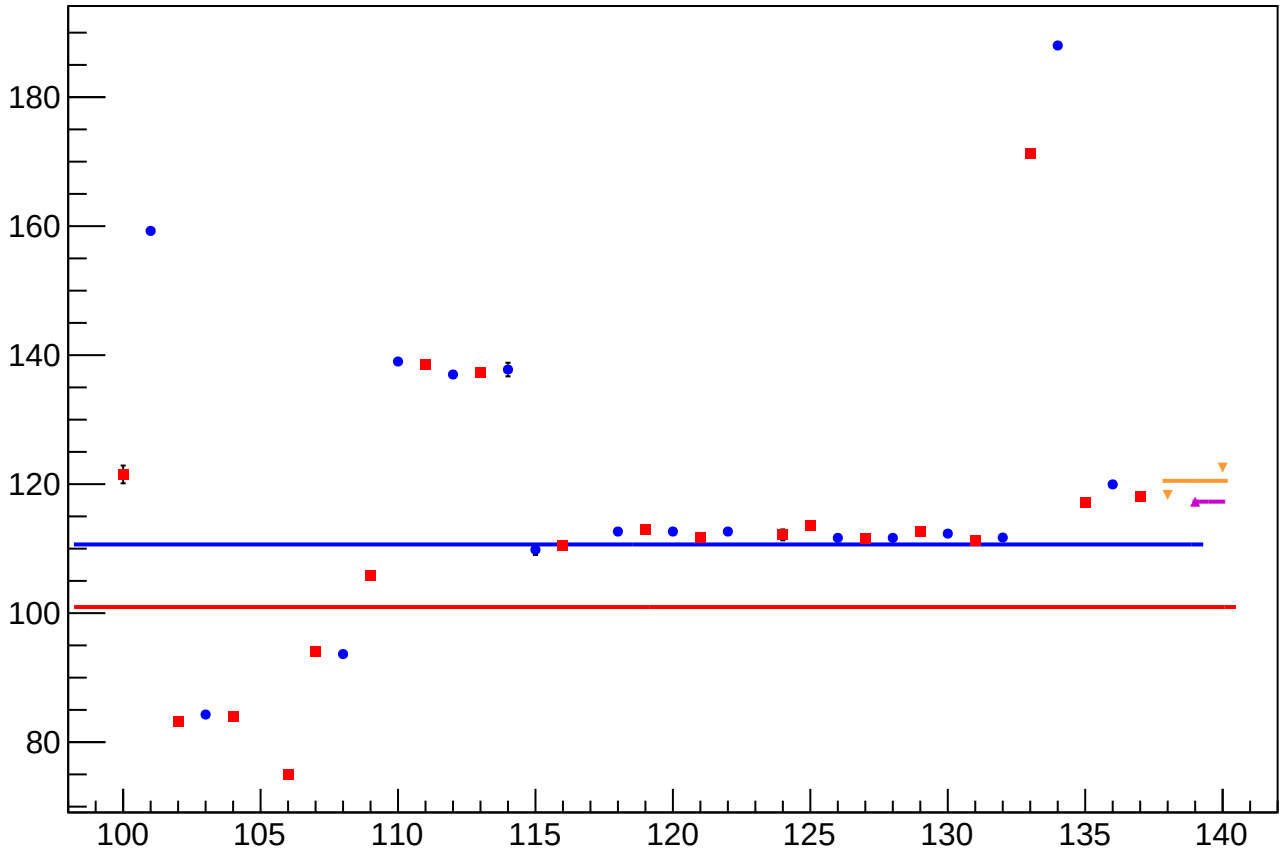
Left: -81.009+/-2.744 χ^2/NDF: 21.2/2

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -86.346+/-1.616 χ^2/NDF:536.6/16

Out: -82.098+/-1.385 χ^2/NDF:681.0/20

All: -83.897+/-1.052 χ^2/NDF: 1221.6/37



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 120.513+/-0.124 χ^2/NDF:292.9/1

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.287+/-0.161 χ^2/NDF:0.0/0

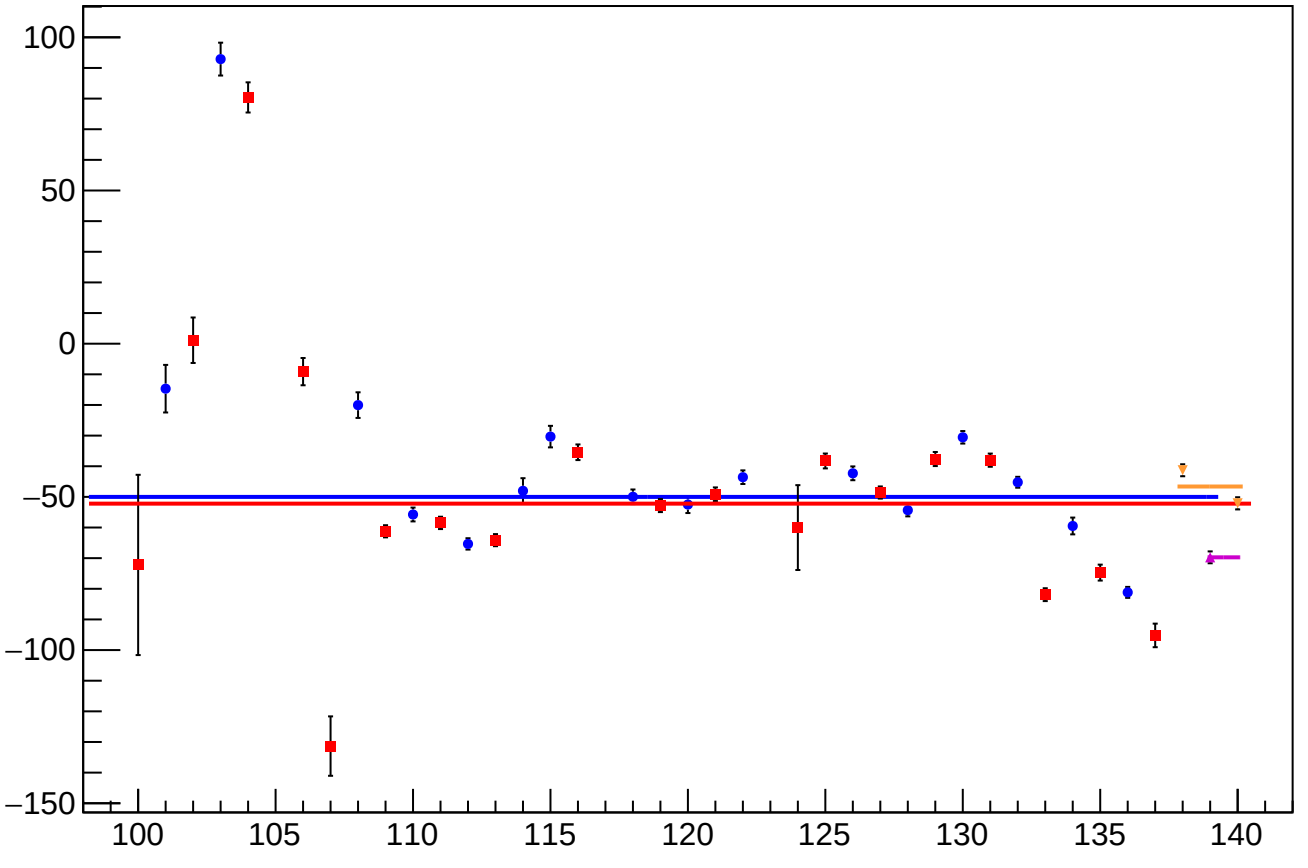
Left: 119.322+/-0.098 χ^2/NDF: 544.7/2

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 112.113+/-0.076 χ^2/NDF:84838.6/16

Out: 106.828+/-0.068 χ^2/NDF:79838.6/20

All: 109.175+/-0.050 χ^2/NDF: 167380.6/37



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -46.615+/-1.394 χ^2/NDF:15.0/1

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -69.732+/-1.941 χ^2/NDF:0.0/0

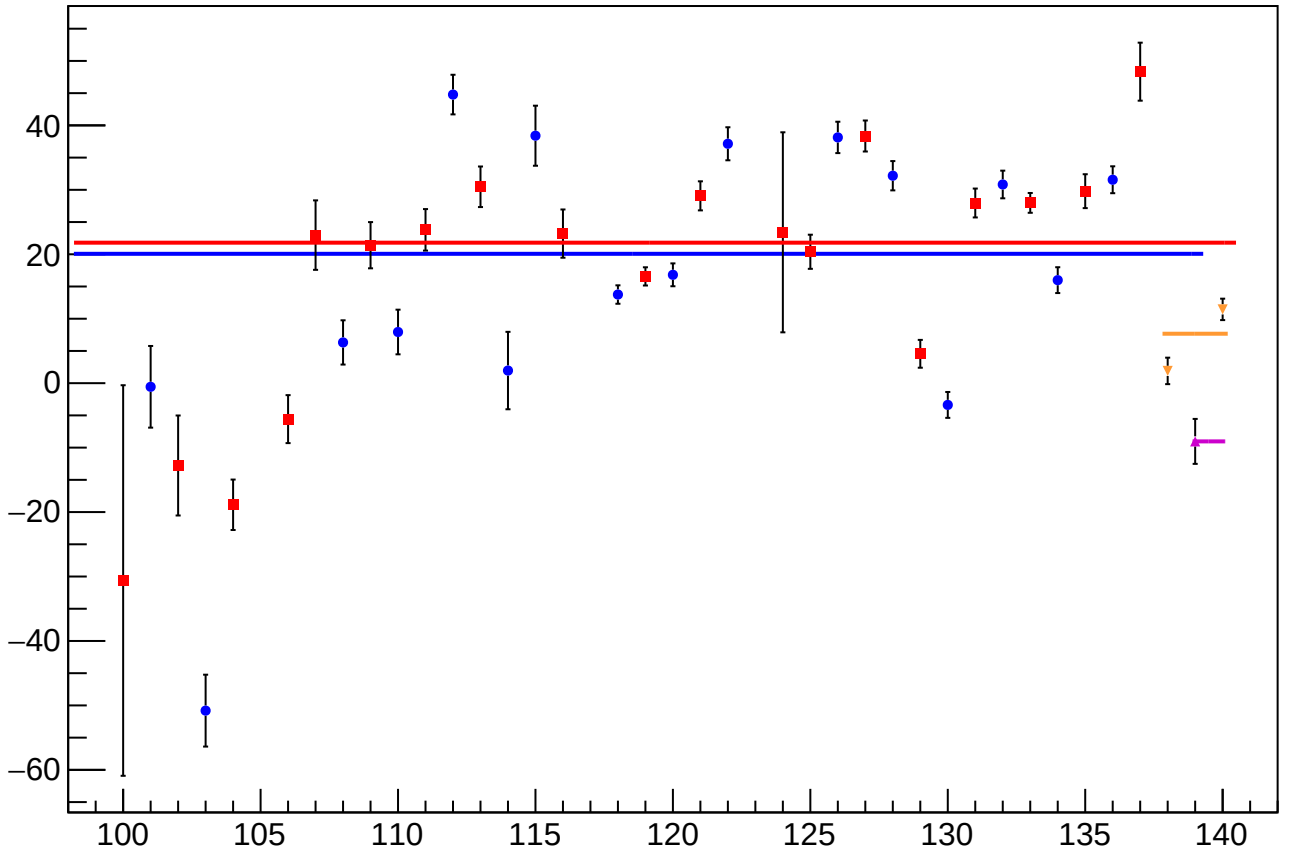
Left: -54.485+/-1.132 χ^2/NDF: 108.5/2

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -51.780+/-0.582 χ^2/NDF:1421.4/16

Out: -51.321+/-0.555 χ^2/NDF:1598.8/20

All: -51.540+/-0.402 χ^2/NDF: 3020.5/37



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 7.672+/-1.292 χ^2/NDF:13.1/1

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: -9.033+/-3.488 χ^2/NDF:0.0/0

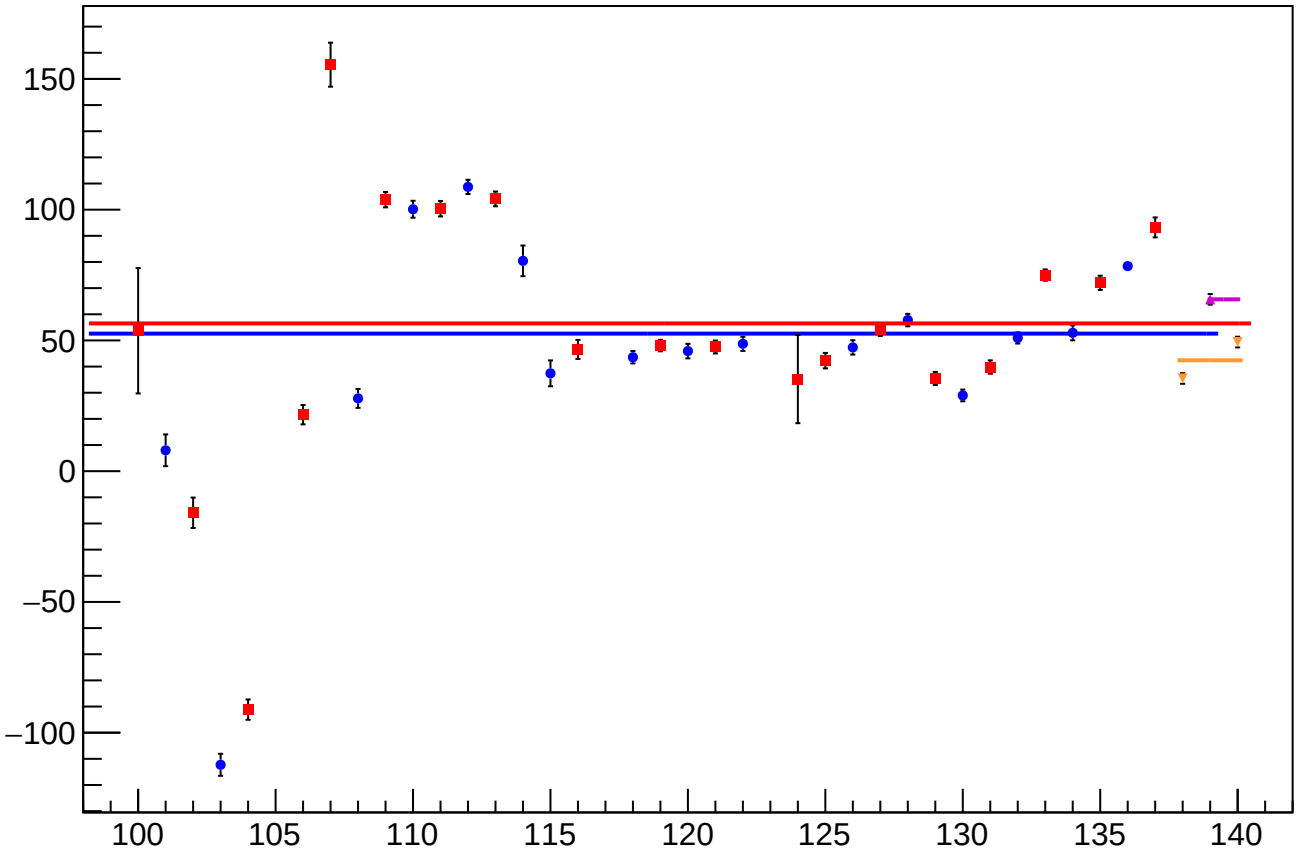
Left: 5.656+/-1.212 χ^2/NDF: 33.2/2

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 19.202+/-0.603 χ^2/NDF:703.8/16

Out: 19.142+/-0.560 χ^2/NDF:506.5/20

All: 19.170+/-0.410 χ^2/NDF: 1210.3/37



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 42.400+/-1.445 χ^2/NDF:23.2/1

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 65.709+/-2.024 χ^2/NDF:0.0/0

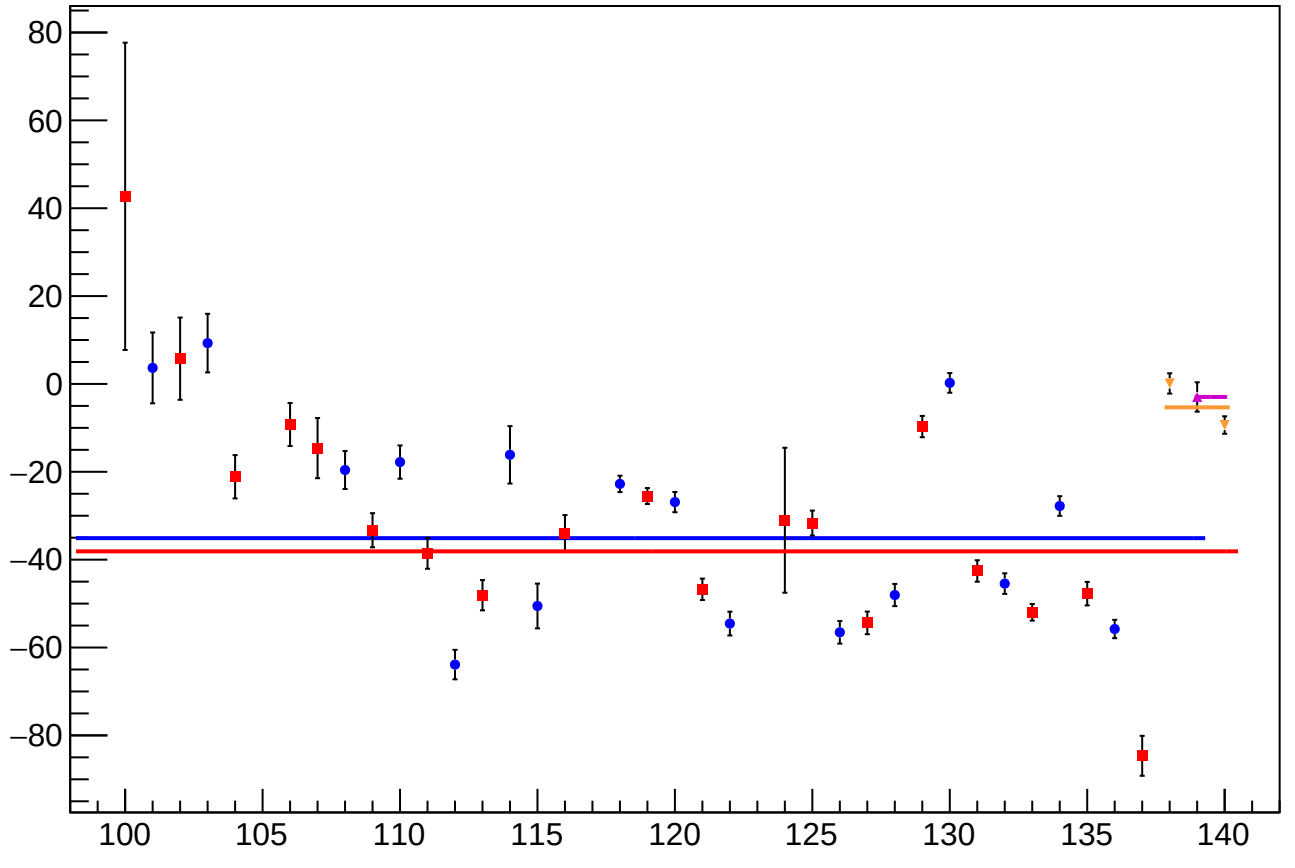
Left: 50.270+/-1.176 χ^2/NDF: 111.0/2

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 53.992+/-0.658 χ^2/NDF:2696.9/16

Out: 53.786+/-0.634 χ^2/NDF:3065.6/20

All: 53.885+/-0.457 χ^2/NDF: 5762.5/37



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -5.325+/-1.509 χ^2/NDF:9.6/1

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -2.965+/-3.344 χ^2/NDF:0.0/0

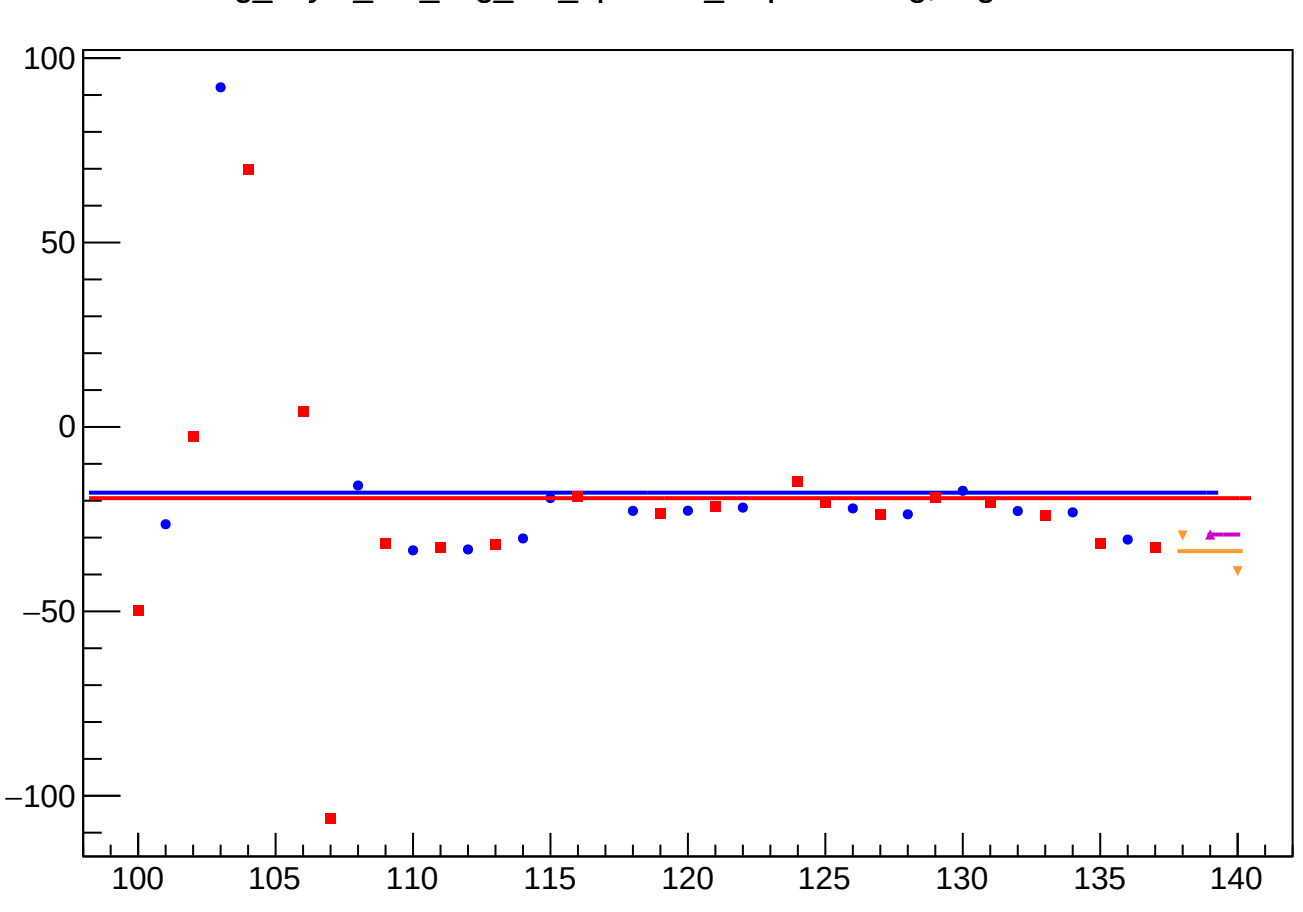
Left: -4.925+/-1.375 χ^2/NDF: 10.0/2

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -33.754+/-0.685 χ^2/NDF:861.7/16

Out: -32.114+/-0.645 χ^2/NDF:909.9/20

All: -32.885+/-0.470 χ^2/NDF: 1774.6/37



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -33.669+/-0.060 χ^2/NDF:6332.0/1

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -29.166+/-0.072 χ^2/NDF:0.0/0

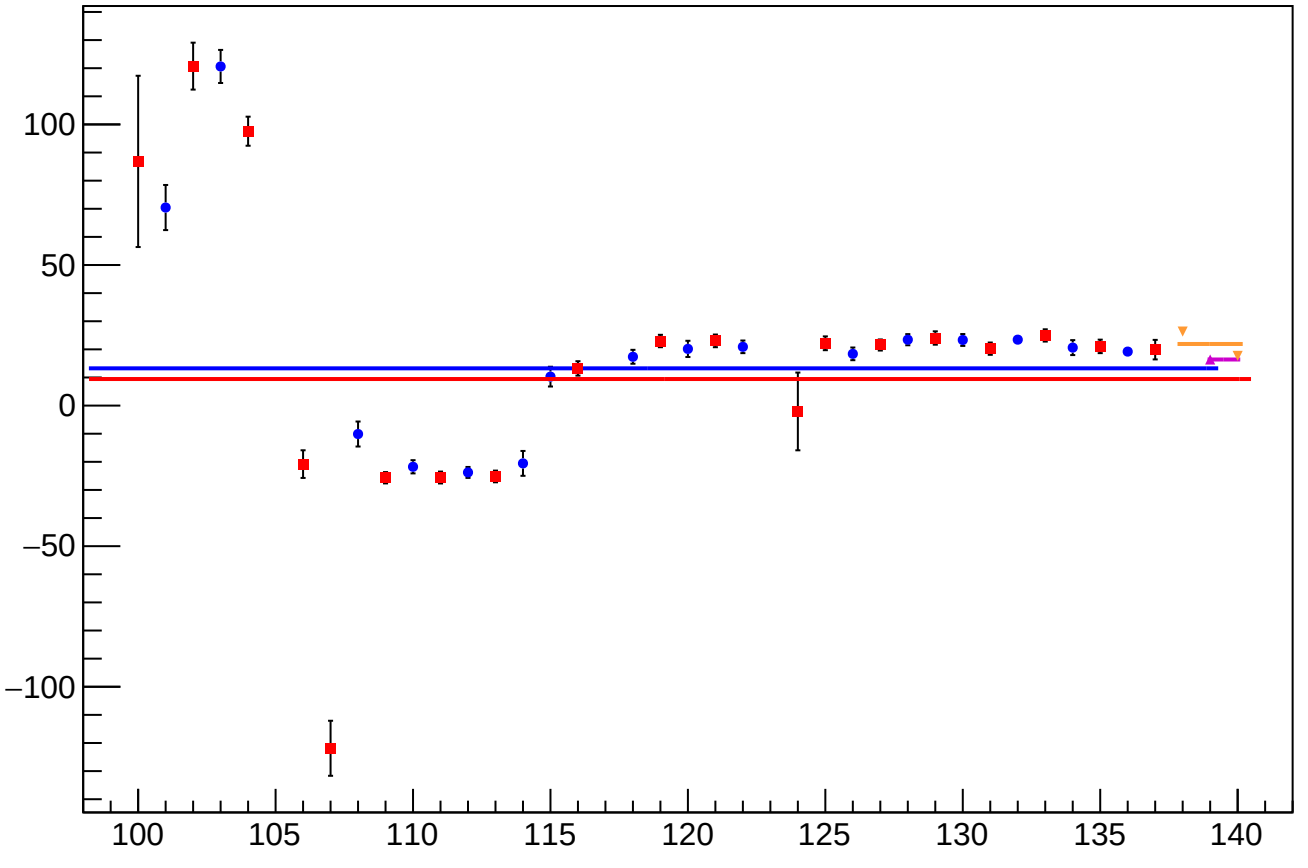
Left: -31.814+/-0.046 χ^2/NDF: 8634.0/2

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -20.826+/-0.037 χ^2/NDF:444376.7/16

Out: -24.612+/-0.037 χ^2/NDF:386793.7/20

All: -22.743+/-0.026 χ^2/NDF: 836453.6/37



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 21.914+/-1.250 χ^2/NDF:12.0/1

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 16.393+/-1.724 χ^2/NDF:0.0/0

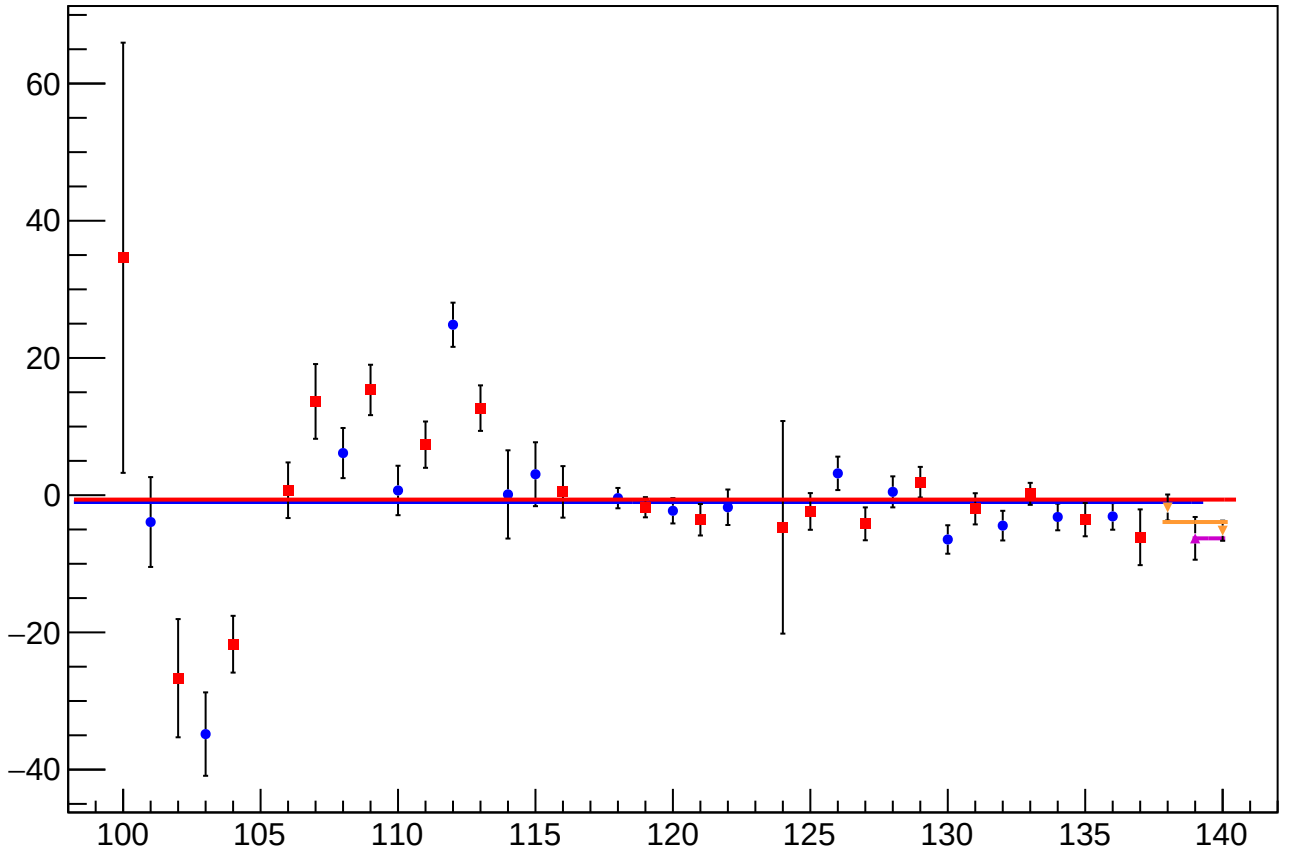
Left: 20.011+/-1.012 χ^2/NDF: 18.7/2

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 13.605+/-0.579 χ^2/NDF:1185.4/16

Out: 11.879+/-0.552 χ^2/NDF:1928.6/20

All: 12.701+/-0.399 χ^2/NDF: 3118.7/37



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -3.913+/-1.159 χ^2/NDF:2.0/1

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -6.294+/-3.115 χ^2/NDF:0.0/0

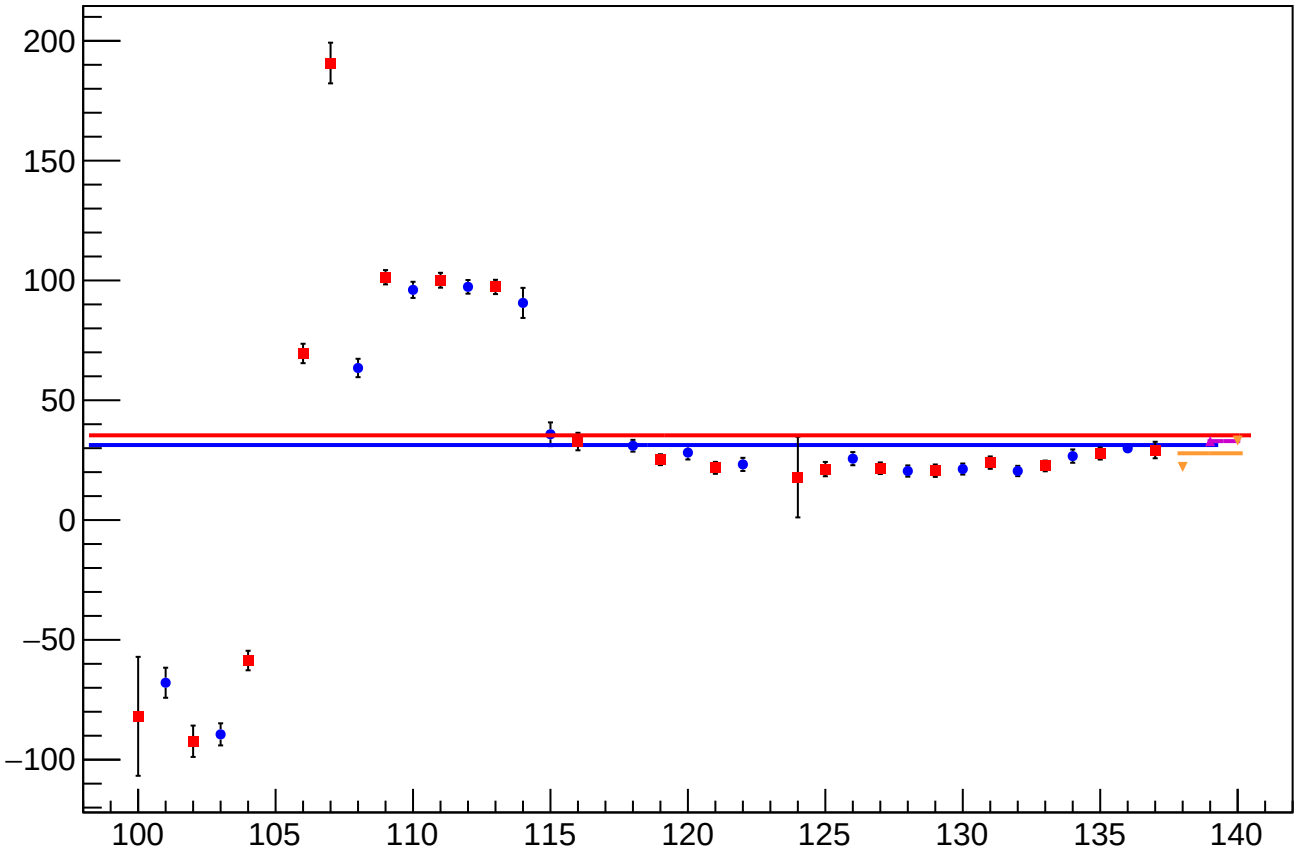
Left: -4.203+/-1.086 χ^2/NDF: 2.5/2

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -1.195+/-0.607 χ^2/NDF:119.1/16

Out: -1.400+/-0.557 χ^2/NDF:102.3/20

All: -1.306+/-0.411 χ^2/NDF: 221.5/37



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 27.869+/-1.295 χ^2/NDF:18.0/1

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 32.955+/-1.796 χ^2/NDF:0.0/0

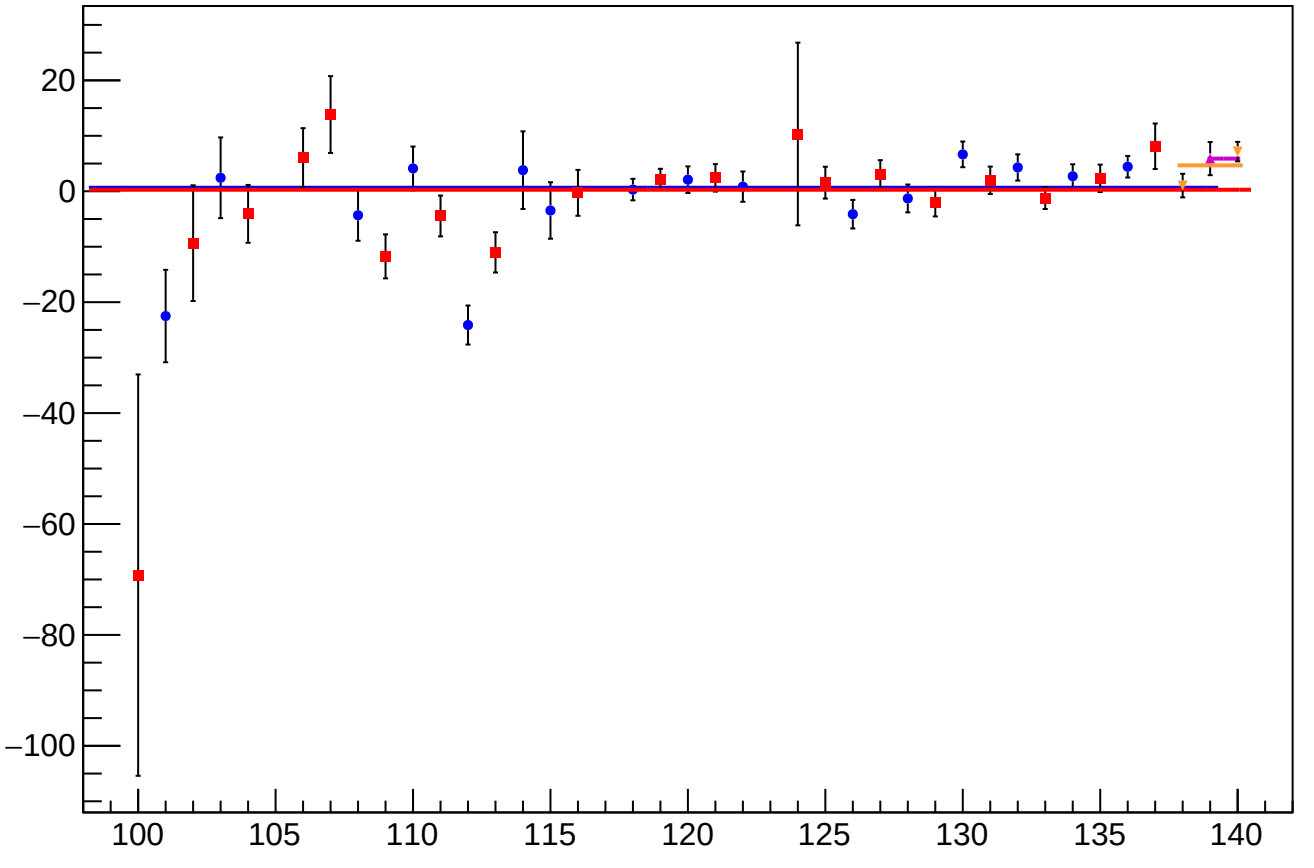
Left: 29.609+/-1.051 χ^2/NDF: 23.3/2

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 31.527+/-0.652 χ^2/NDF:2086.6/16

Out: 33.607+/-0.627 χ^2/NDF:2941.3/20

All: 32.607+/-0.452 χ^2/NDF: 5033.2/37



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 4.672+/-1.353 χ^2/NDF:4.9/1

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 5.890+/-2.988 χ^2/NDF:0.0/0

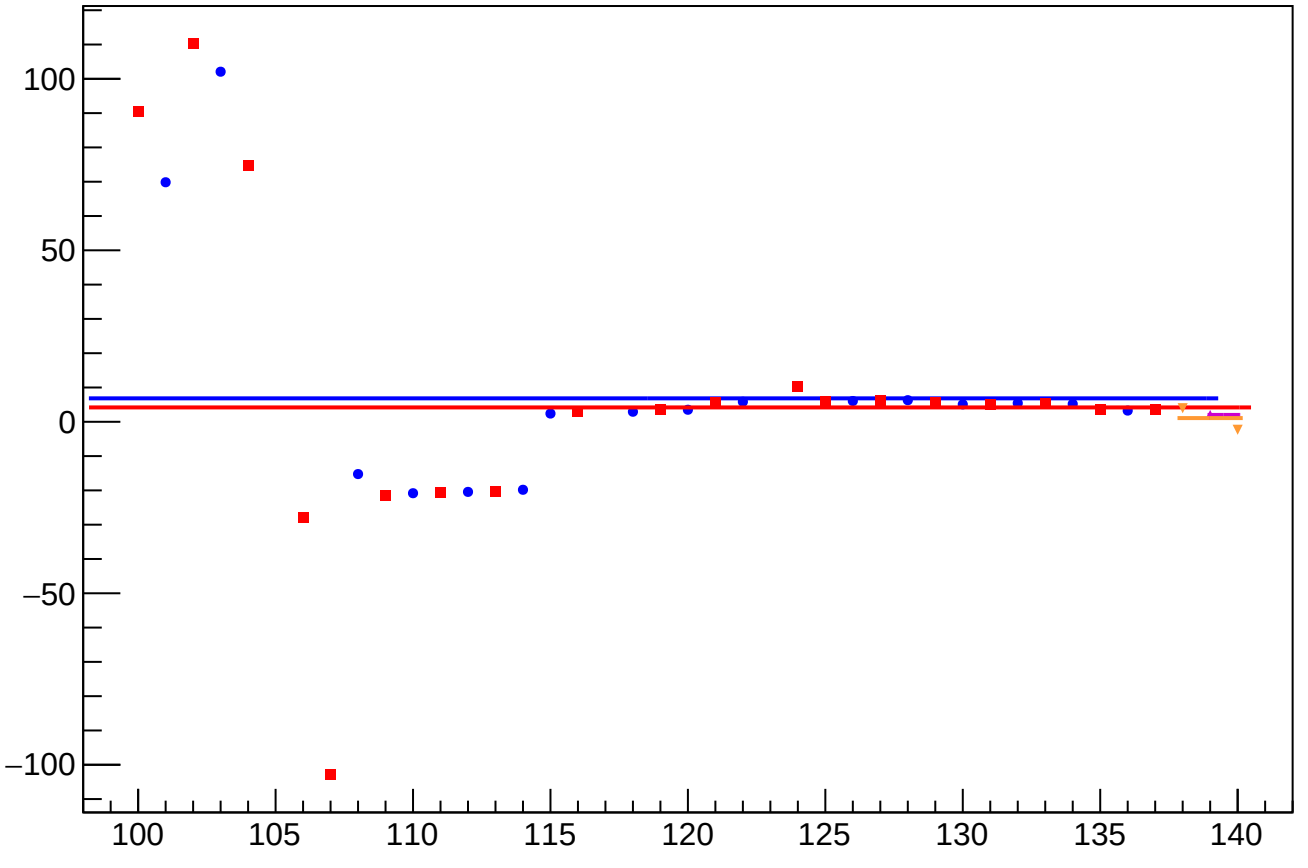
Left: 4.879+/-1.233 χ^2/NDF: 5.1/2

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 0.909+/-0.686 χ^2/NDF:81.4/16

Out: 1.257+/-0.640 χ^2/NDF:53.6/20

All: 1.096+/-0.468 χ^2/NDF: 135.1/37



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 1.082+/-0.054 χ^2/NDF:3370.5/1

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: 2.000+/-0.064 χ^2/NDF:0.0/0

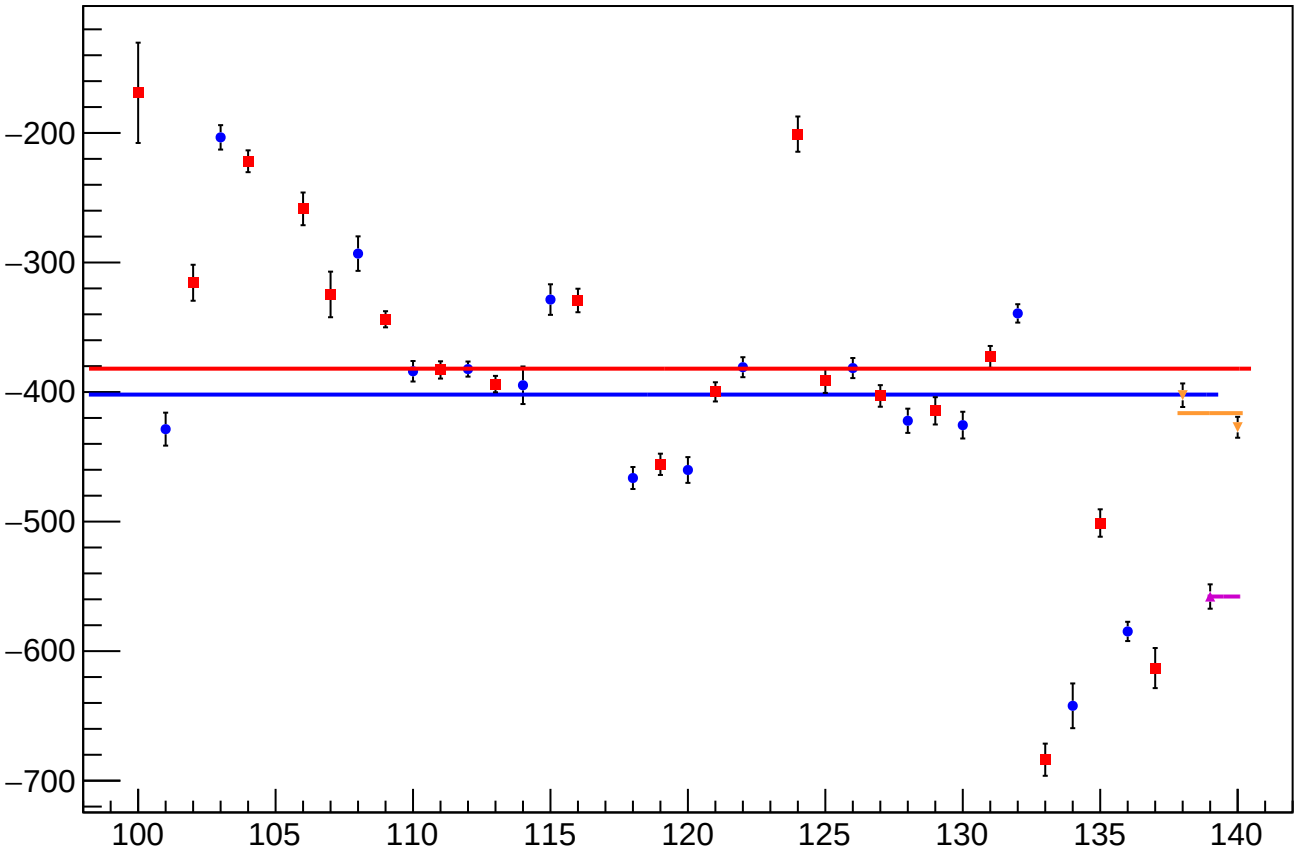
Left: 1.462+/-0.041 χ^2/NDF: 3490.2/2

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 5.348+/-0.036 χ^2/NDF:324881.8/16

Out: 2.872+/-0.035 χ^2/NDF:439828.9/20

All: 4.092+/-0.025 χ^2/NDF: 767158.0/37



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -416.277+/-6.040 χ^2/NDF:4.1/1

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -557.845+/-9.405 χ^2/NDF:0.0/0

Left: -457.616+/-5.082 χ^2/NDF: 164.5/2

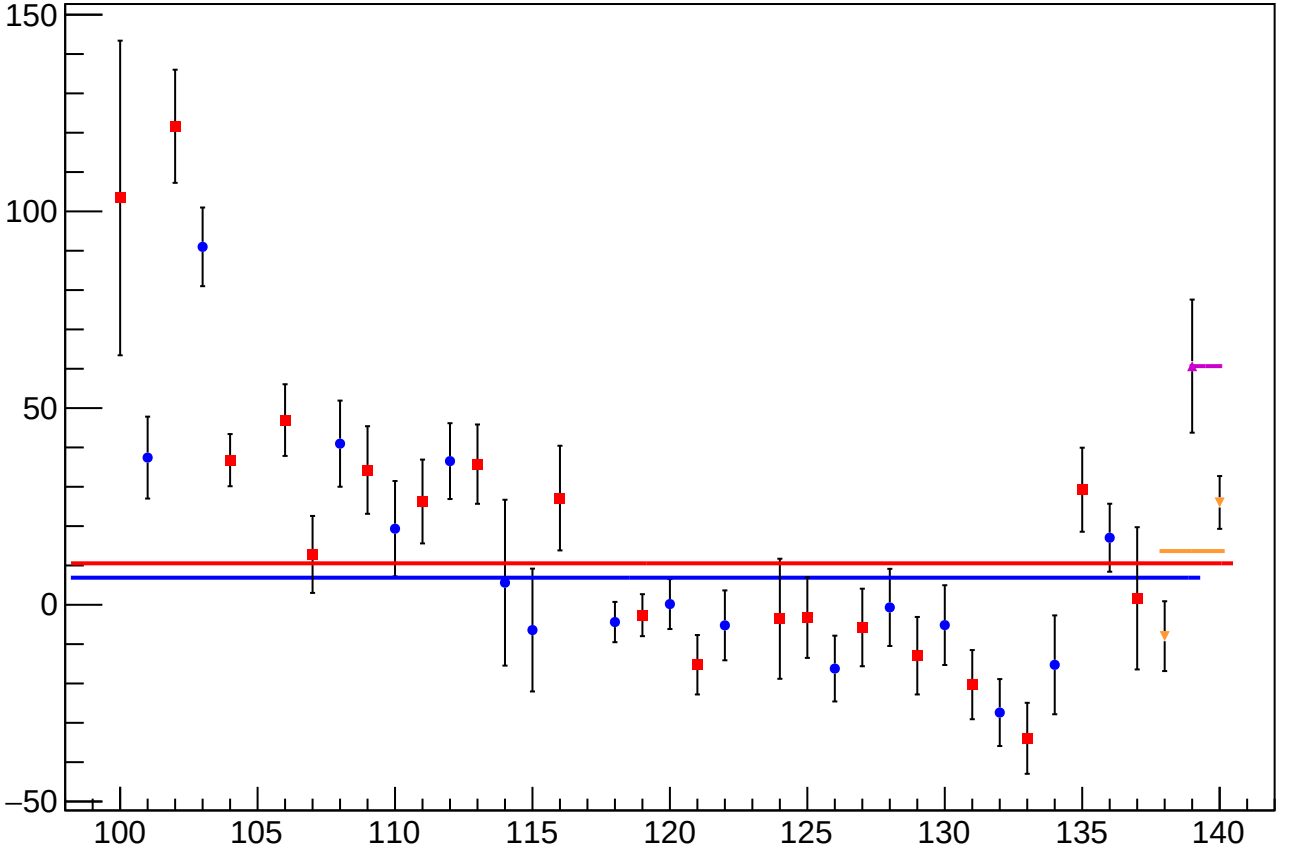
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -410.301+/-2.175 χ^2/NDF:1823.3/16

Out: -385.728+/-2.004 χ^2/NDF:1850.3/20

All: -397.008+/-1.474 χ^2/NDF: 3742.6/37

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 13.657+/-5.352 χ^2/NDF:9.3/1

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 60.668+/-16.917 χ^2/NDF:0.0/0

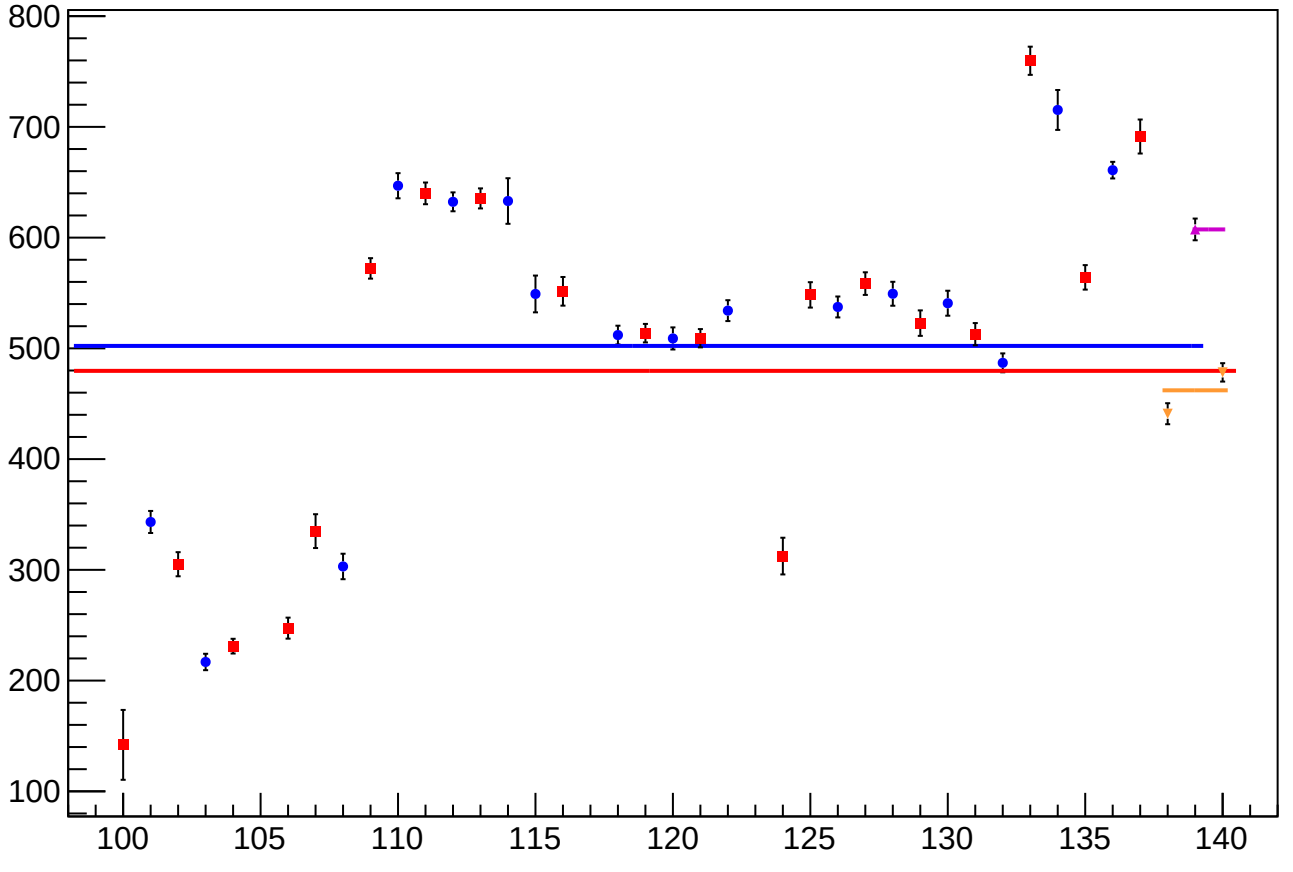
Left: 17.935+/-5.103 χ^2/NDF: 16.3/2

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 7.836+/-2.244 χ^2/NDF:148.4/16

Out: 10.993+/-2.032 χ^2/NDF:189.7/20

All: 9.570+/-1.506 χ^2/NDF: 339.1/37



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 462.111+/-6.250 χ^2/NDF:8.8/1

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 607.401+/-9.806 χ^2/NDF:0.0/0

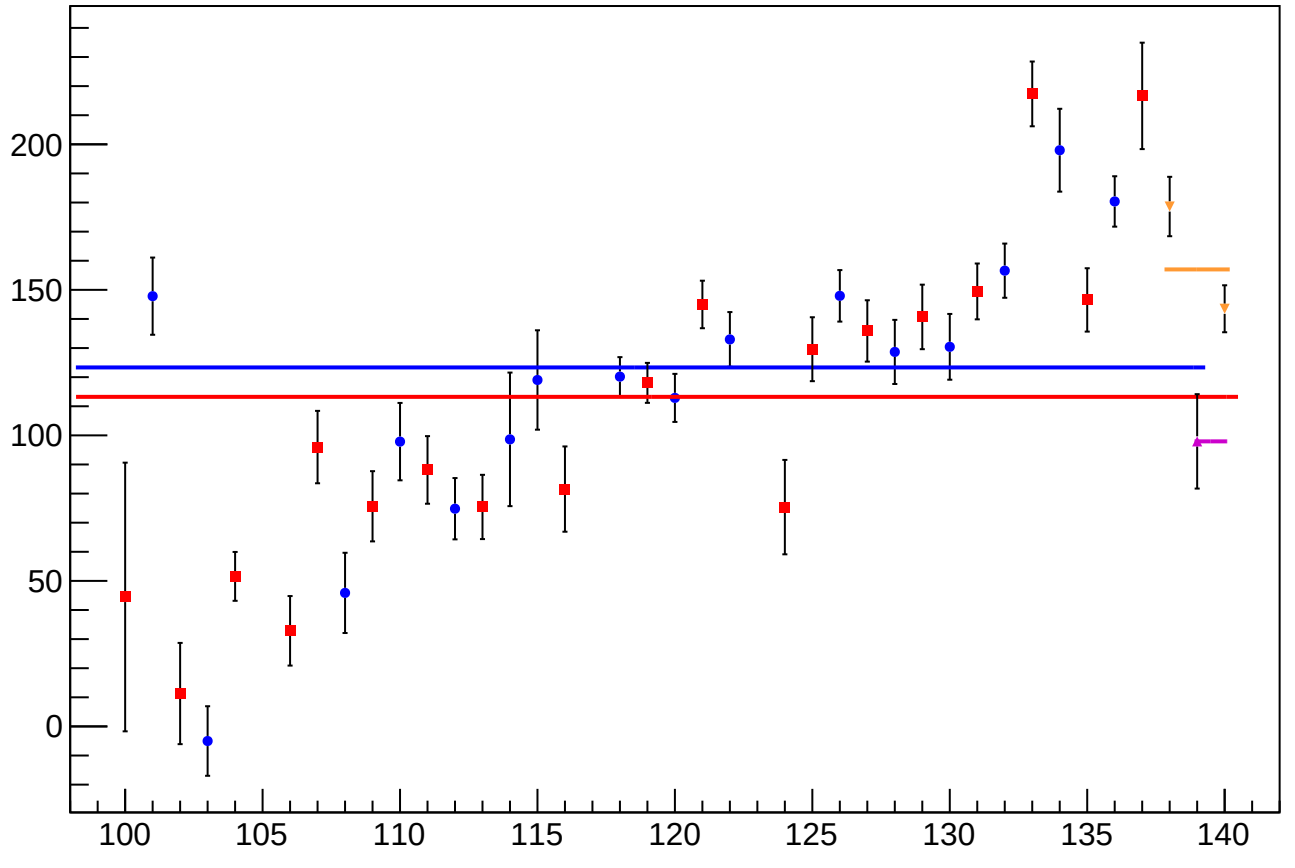
Left: 504.084+/-5.270 χ^2/NDF: 164.9/2

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 508.599+/-2.416 χ^2/NDF:3243.3/16

Out: 477.422+/-2.240 χ^2/NDF:4154.2/20

All: 491.833+/-1.643 χ^2/NDF: 7487.0/37



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 157.018+/-6.330 χ^2/NDF:7.3/1

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 97.939+/-16.219 χ^2/NDF:0.0/0

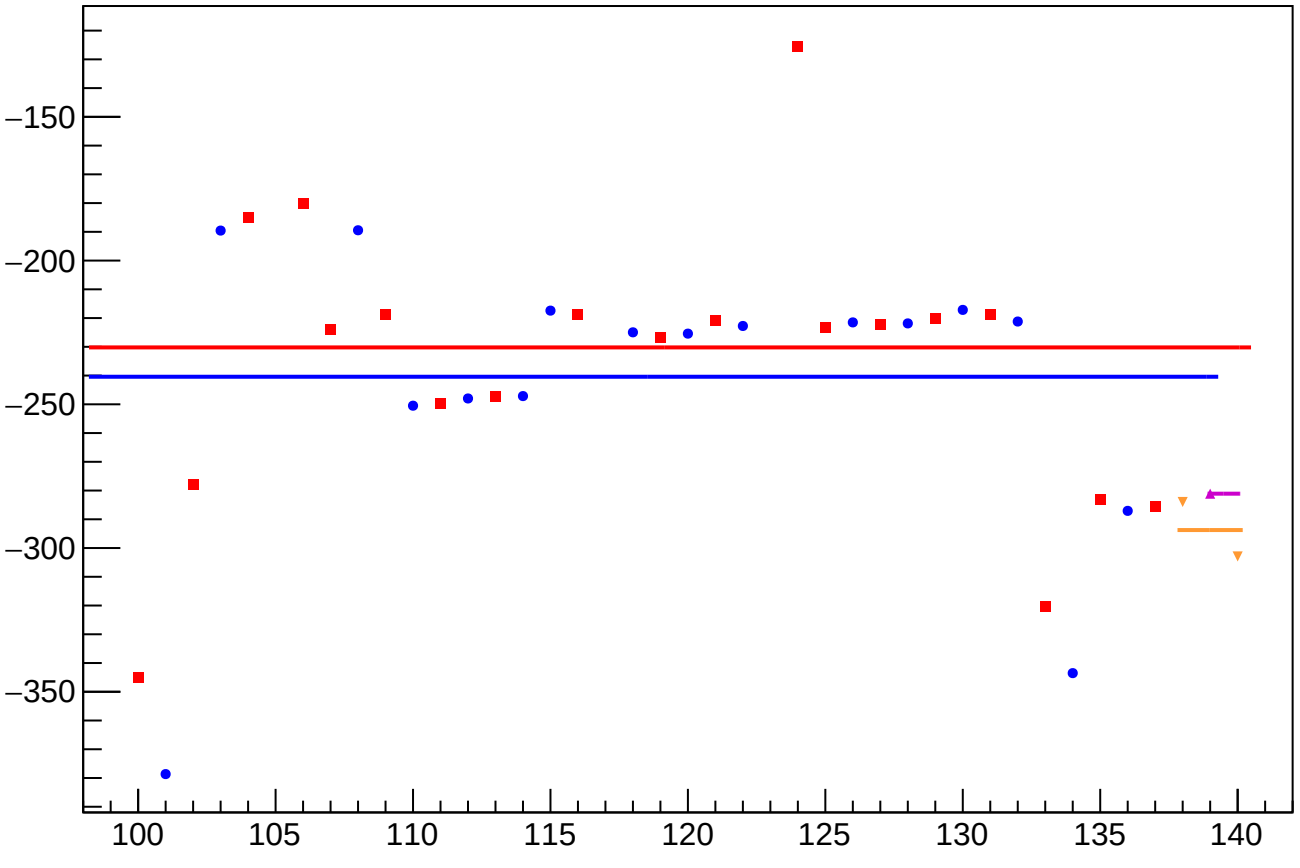
Left: 149.209+/-5.897 χ^2/NDF: 18.8/2

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 122.694+/-2.593 χ^2/NDF:273.8/16

Out: 119.327+/-2.361 χ^2/NDF:394.2/20

All: 120.853+/-1.746 χ^2/NDF: 668.9/37



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -293.744+/-0.266 χ^2/NDF:1264.6/1

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -281.092+/-0.350 χ^2/NDF:0.0/0

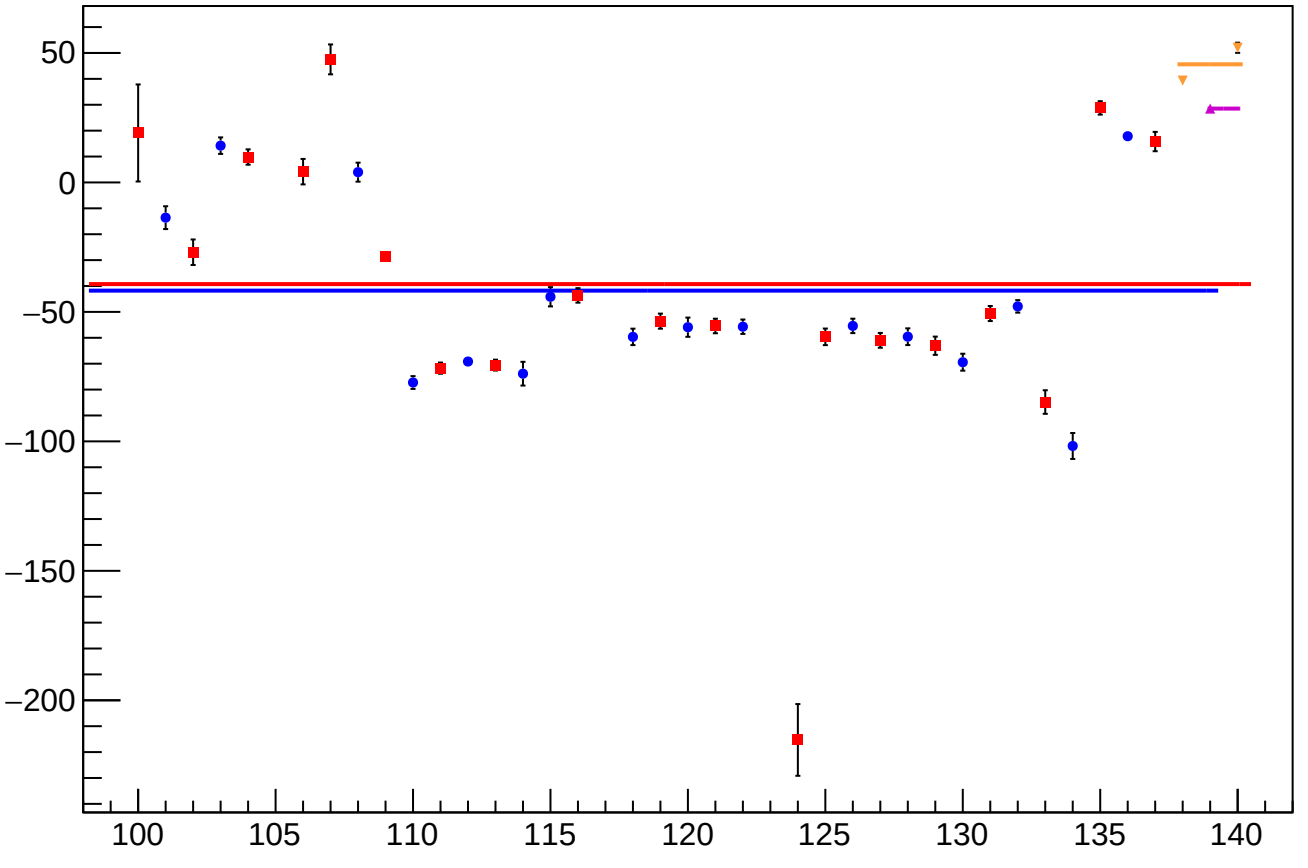
Left: -289.099+/-0.212 χ^2/NDF: 2093.8/2

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -246.782+/-0.138 χ^2/NDF:145576.2/16

Out: -244.973+/-0.128 χ^2/NDF:128412.1/20

All: -245.810+/-0.094 χ^2/NDF: 274080.2/37



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 45.623+/-1.384 χ^2/NDF:21.0/1

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 28.521+/-1.925 χ^2/NDF:0.0/0

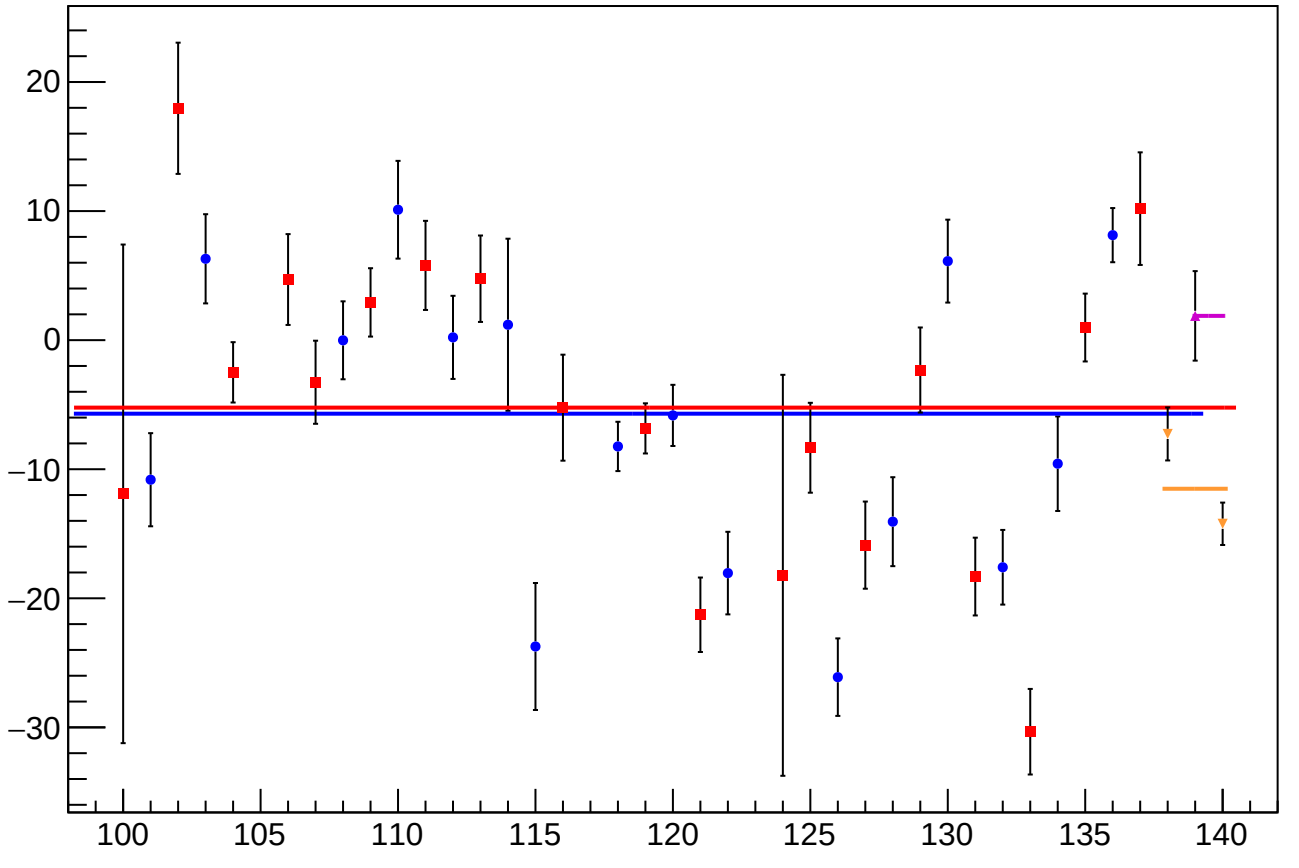
Left: 39.798+/-1.124 χ^2/NDF: 73.1/2

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -33.095+/-0.677 χ^2/NDF:3574.3/16

Out: -22.765+/-0.610 χ^2/NDF:5531.1/20

All: -27.394+/-0.453 χ^2/NDF: 9233.9/37



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -11.513+/-1.282 χ^2/NDF:7.0/1

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: 1.881+/-3.468 χ^2/NDF:0.0/0

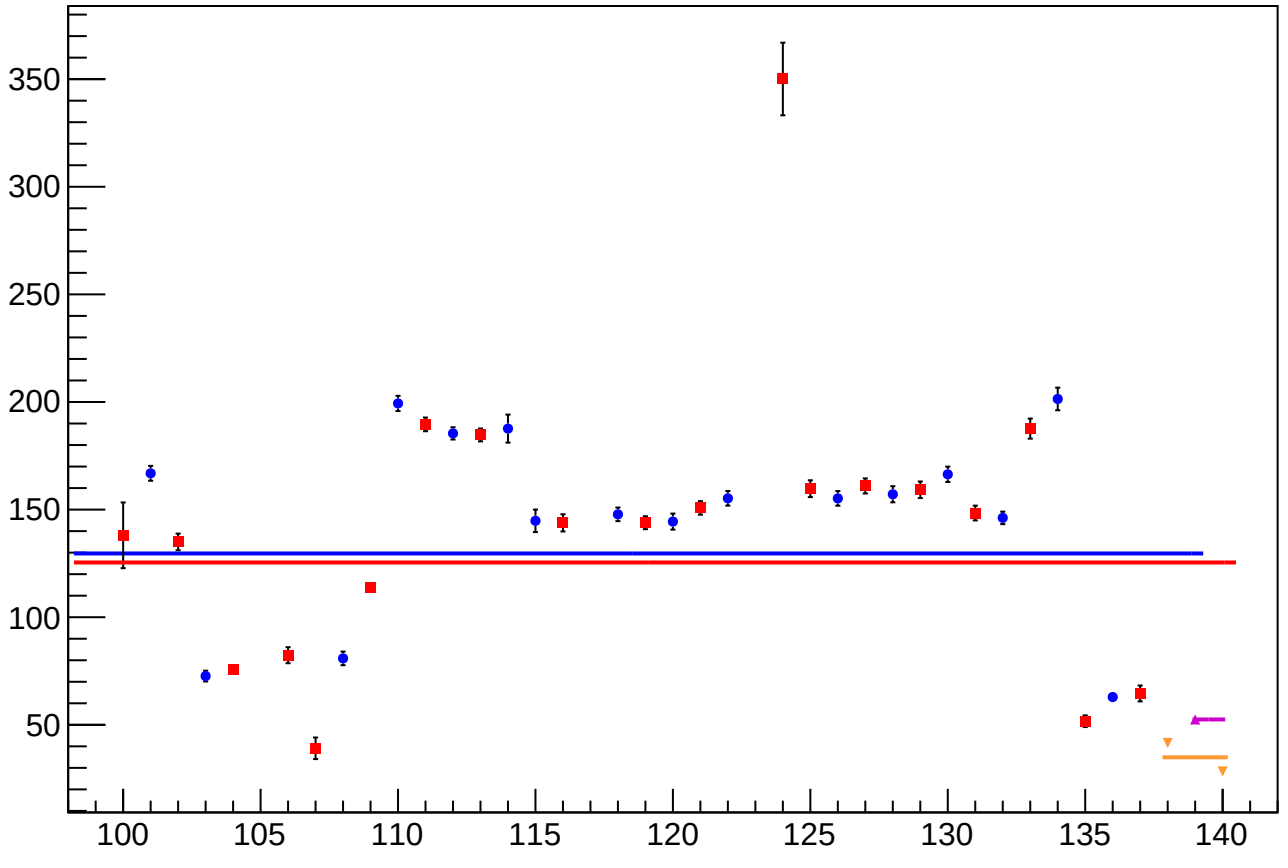
Left: -9.902+/-1.203 χ^2/NDF: 20.1/2

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -5.356+/-0.736 χ^2/NDF:201.3/16

Out: -6.797+/-0.641 χ^2/NDF:222.4/20

All: -6.175+/-0.483 χ^2/NDF: 425.8/37



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 34.909+/-1.434 χ^2/NDF:21.4/1

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 52.492+/-2.007 χ^2/NDF:0.0/0

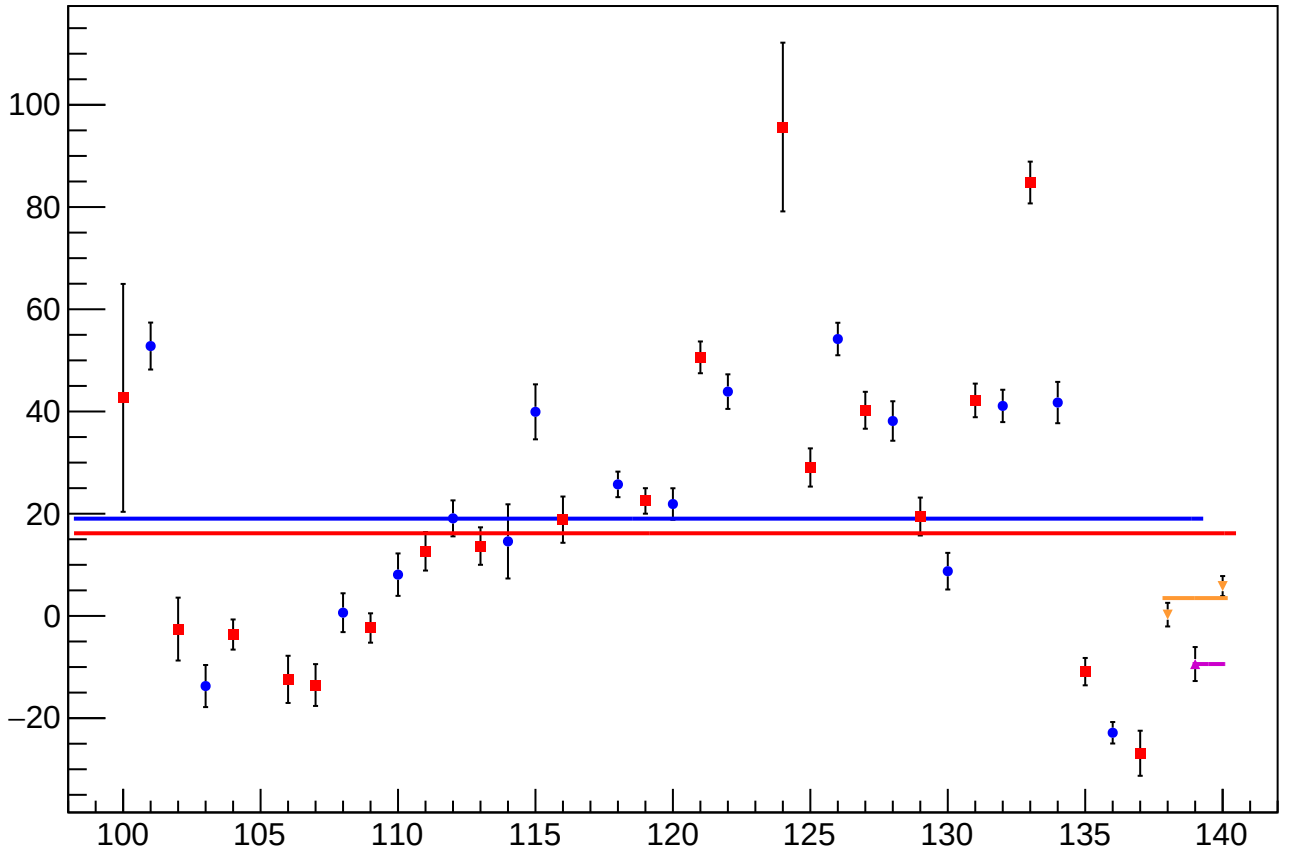
Left: 40.852+/-1.167 χ^2/NDF: 72.2/2

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 119.031+/-0.744 χ^2/NDF:4898.7/16

Out: 104.364+/-0.692 χ^2/NDF:6582.5/20

All: 111.168+/-0.507 χ^2/NDF: 11689.7/37



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: 3.492+/-1.497 χ^2/NDF:3.4/1

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -9.411+/-3.325 χ^2/NDF:0.0/0

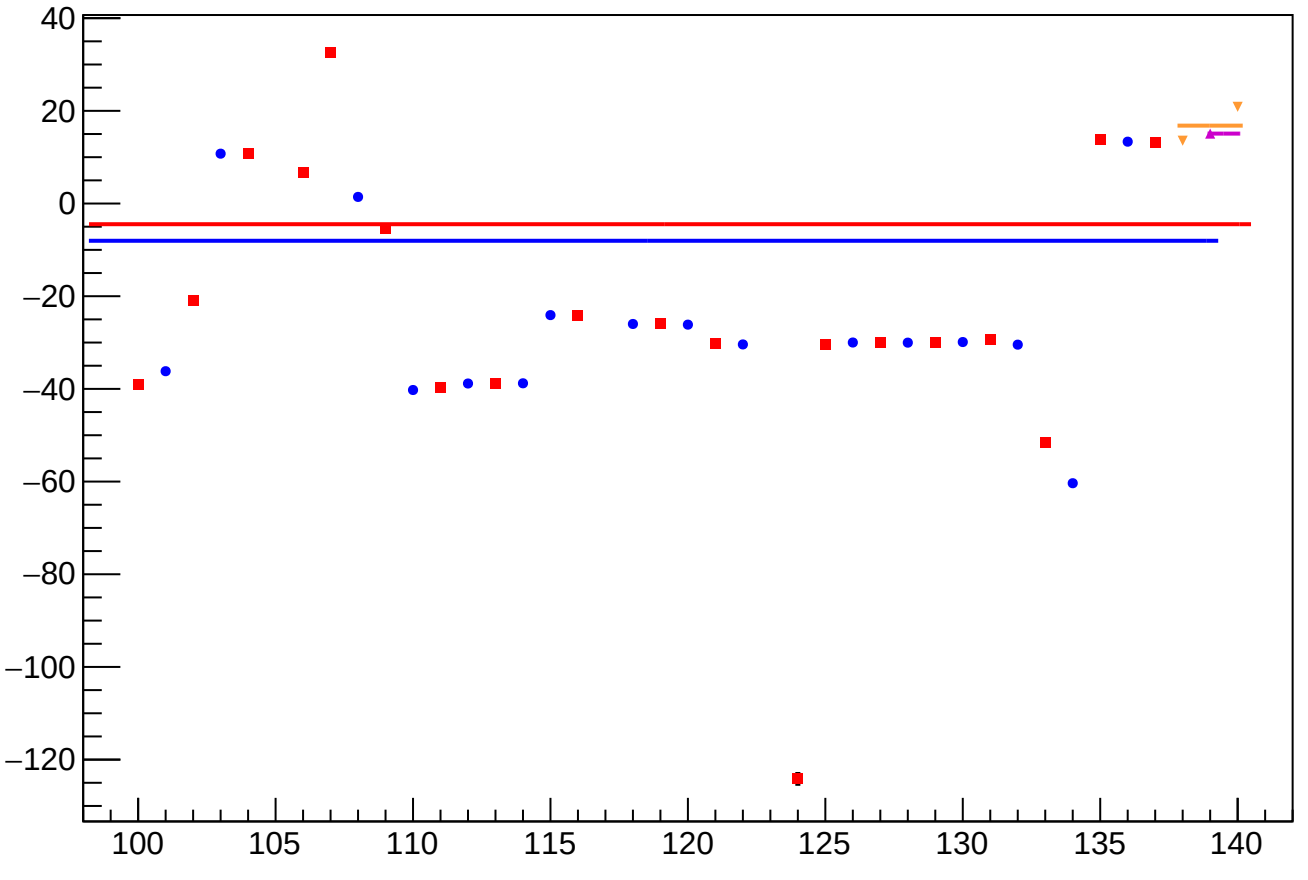
Left: 1.317+/-1.365 χ^2/NDF: 15.9/2

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 17.252+/-0.832 χ^2/NDF:926.6/16

Out: 13.104+/-0.736 χ^2/NDF:999.0/20

All: 14.925+/-0.552 χ^2/NDF: 1939.6/37



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 16.810+/-0.060 χ^2/NDF:3709.1/1

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 15.089+/-0.072 χ^2/NDF:0.0/0

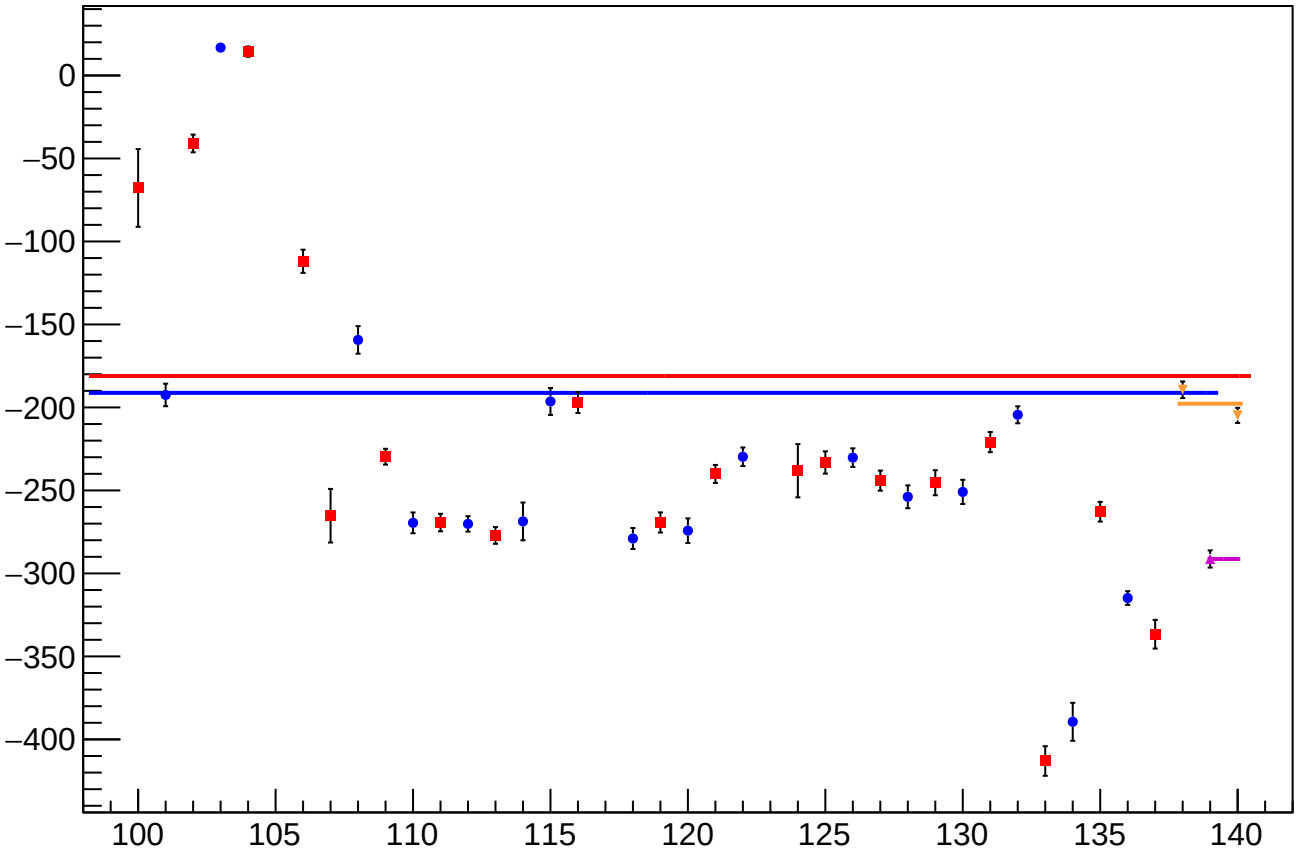
Left: 16.104+/-0.046 χ^2/NDF: 4050.5/2

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: -1.308+/-0.039 χ^2/NDF:341993.6/16

Out: 3.639+/-0.037 χ^2/NDF:310798.4/20

All: 1.281+/-0.027 χ^2/NDF: 661391.3/37



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -197.743+/-3.378 χ^2/NDF:5.2/1

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -291.300+/-5.179 χ^2/NDF:0.0/0

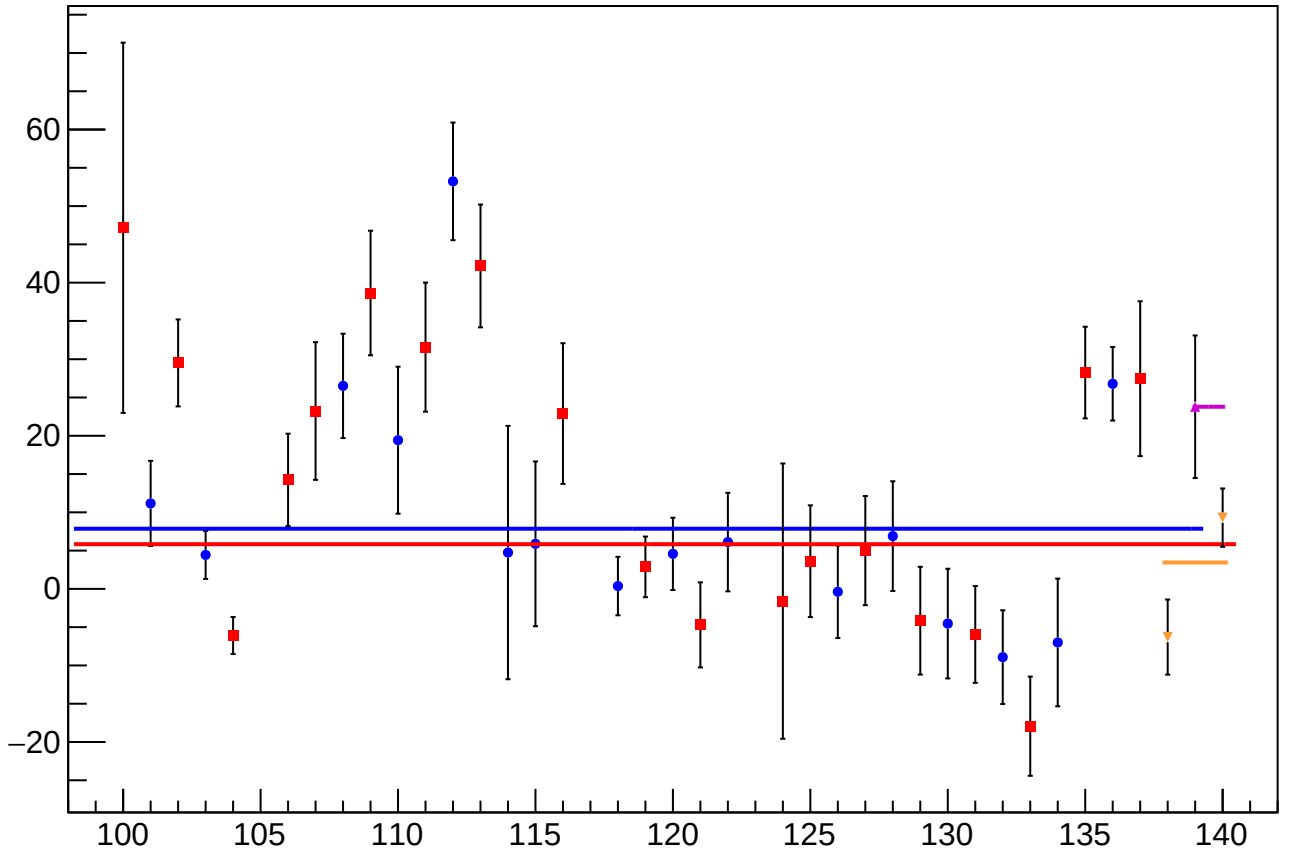
Left: -225.667+/-2.829 χ^2/NDF: 234.1/2

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -198.210+/-1.368 χ^2/NDF:7572.0/16

Out: -183.471+/-1.280 χ^2/NDF:7400.0/20

All: -190.347+/-0.935 χ^2/NDF: 15033.9/37



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 3.445+/-3.008 χ^2/NDF:6.3/1

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 23.789+/-9.312 χ^2/NDF:0.0/0

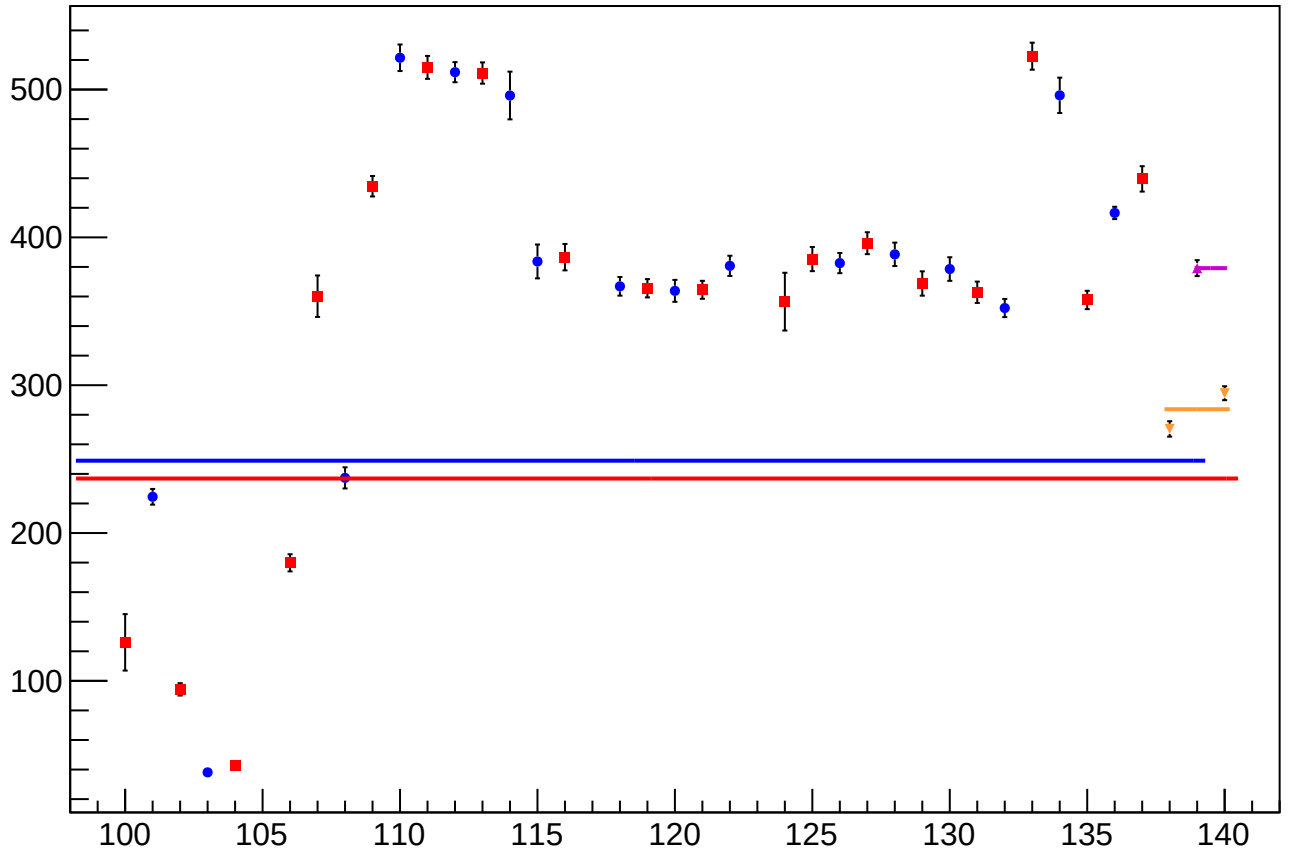
Left: 5.368+/-2.863 χ^2/NDF: 10.6/2

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 8.230+/-1.421 χ^2/NDF:83.8/16

Out: 5.435+/-1.236 χ^2/NDF:148.7/20

All: 6.638+/-0.933 χ^2/NDF: 234.7/37



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 283.729+/-3.496 χ^2/NDF:11.8/1

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 379.193+/-5.400 χ^2/NDF:0.0/0

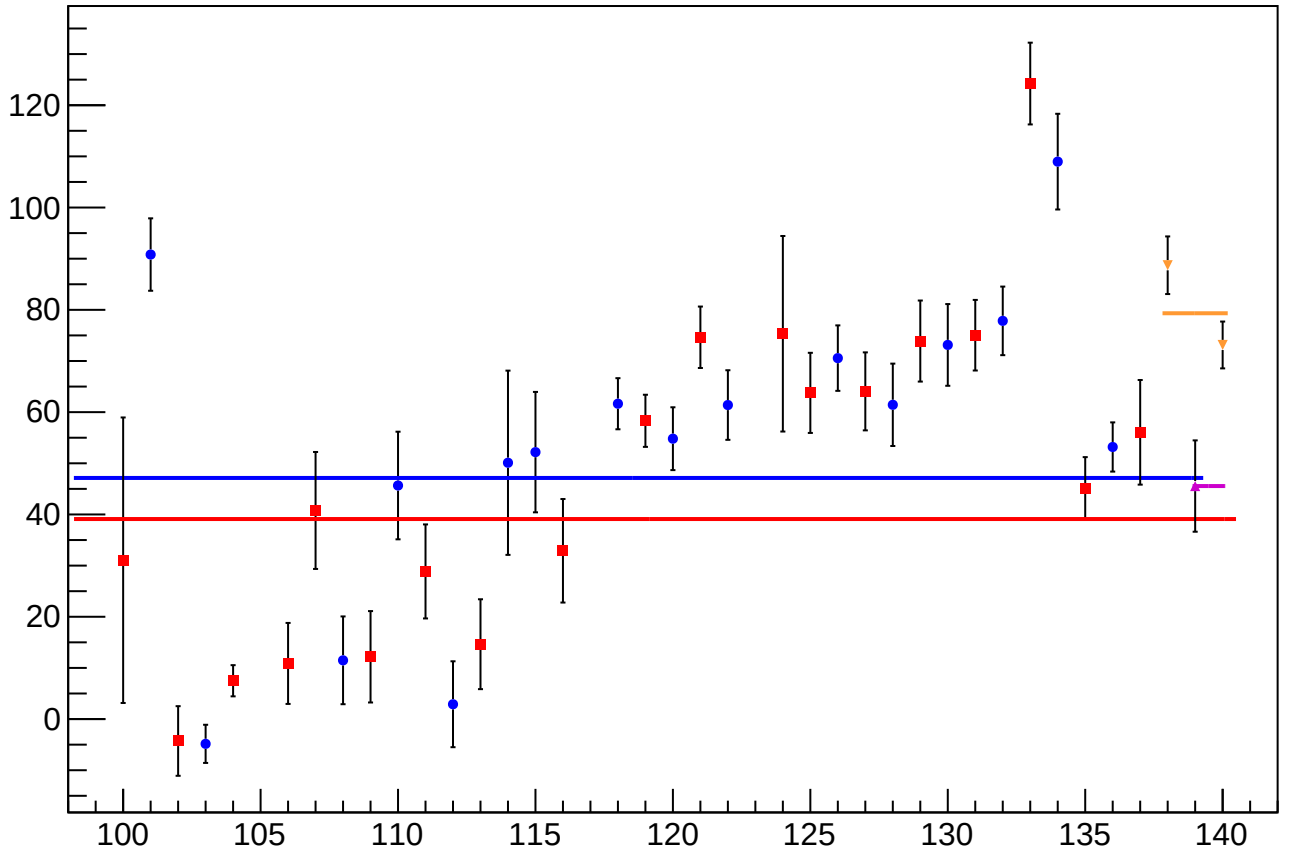
Left: 311.929+/-2.935 χ^2/NDF: 232.1/2

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 257.377+/-1.375 χ^2/NDF:15846.5/16

Out: 243.400+/-1.305 χ^2/NDF:15823.8/20

All: 250.025+/-0.947 χ^2/NDF: 31724.6/37



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 79.332+/-3.553 χ^2/NDF:4.6/1

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 45.553+/-8.928 χ^2/NDF:0.0/0

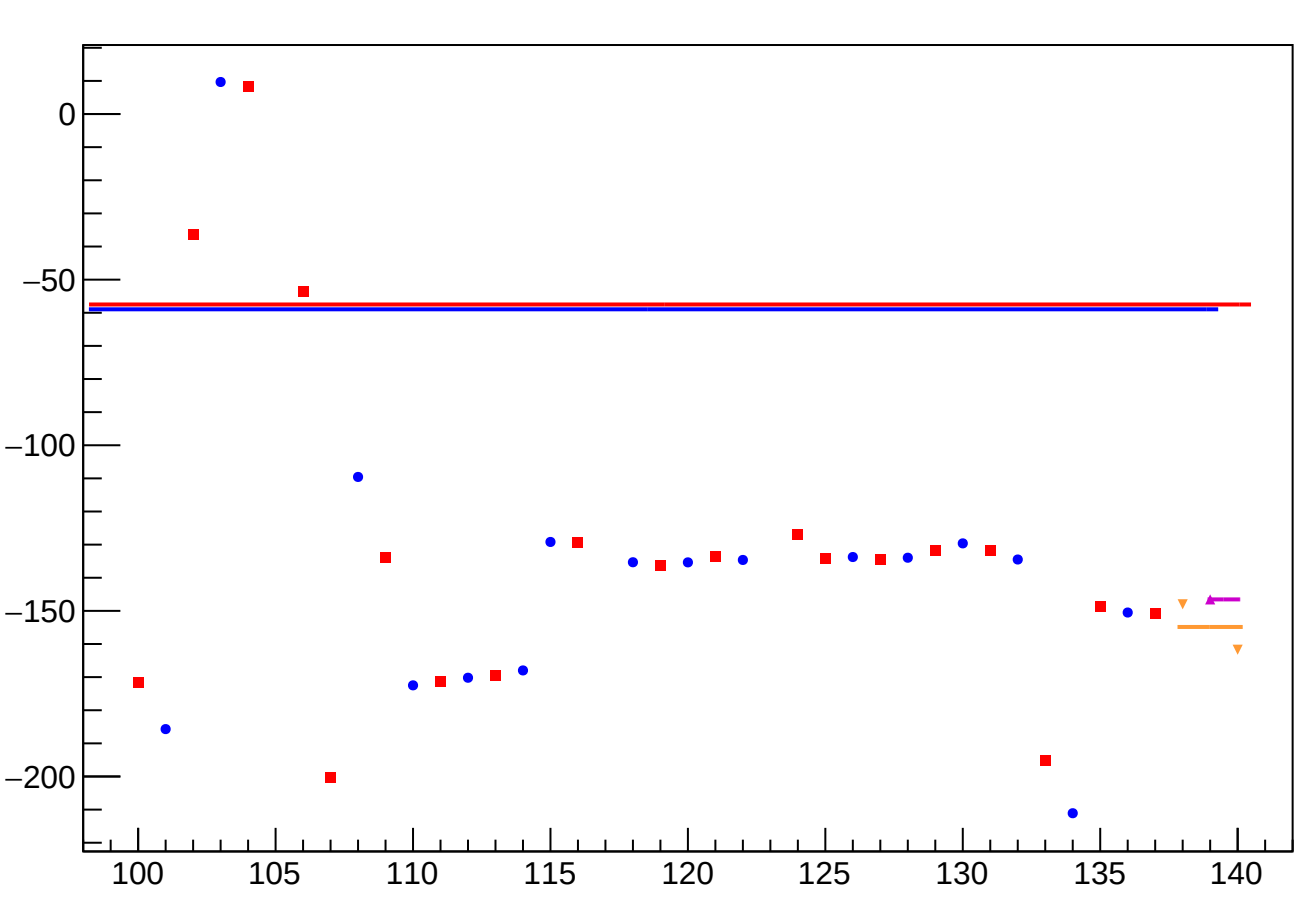
Left: 74.714+/-3.301 χ^2/NDF: 17.0/2

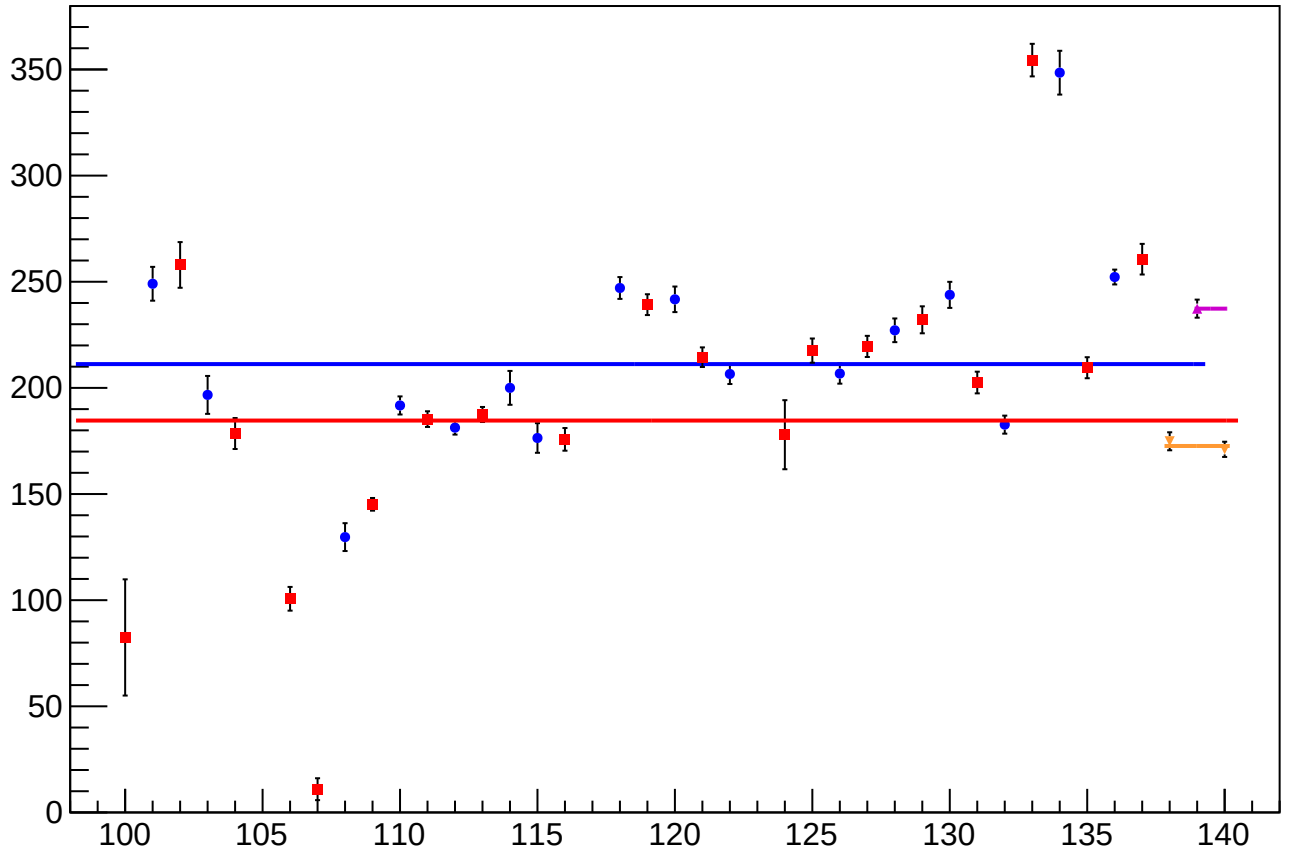
Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 47.083+/-1.639 χ^2/NDF:385.4/16

Out: 45.859+/-1.456 χ^2/NDF:527.7/20

All: 46.399+/-1.089 χ^2/NDF: 913.4/37


reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
105
110
115
120
125
130
135
140
Right In: -58.956+/-0.073 χ²/NDF: 1227079.0/15
Left Out: -154.858+/-0.149 χ²/NDF:2131.7/1
Right Out: -57.497+/-0.074 χ²/NDF: 871305.9/18
Left In: -146.539+/-0.192 χ²/NDF:0.0/0
Left: -151.751+/-0.118 χ²/NDF: 3303.4/2
Right: -58.243+/-0.052 χ²/NDF: 2098582.3/34
In: -69.875+/-0.068 χ²/NDF:1408491.3/16
Out: -76.969+/-0.066 χ²/NDF:1217221.5/20
All: -73.502+/-0.047 χ²/NDF: 2631288.2/37



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 172.635+/-2.738 χ^2/NDF:0.5/1

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 237.330+/-4.258 χ^2/NDF:0.0/0

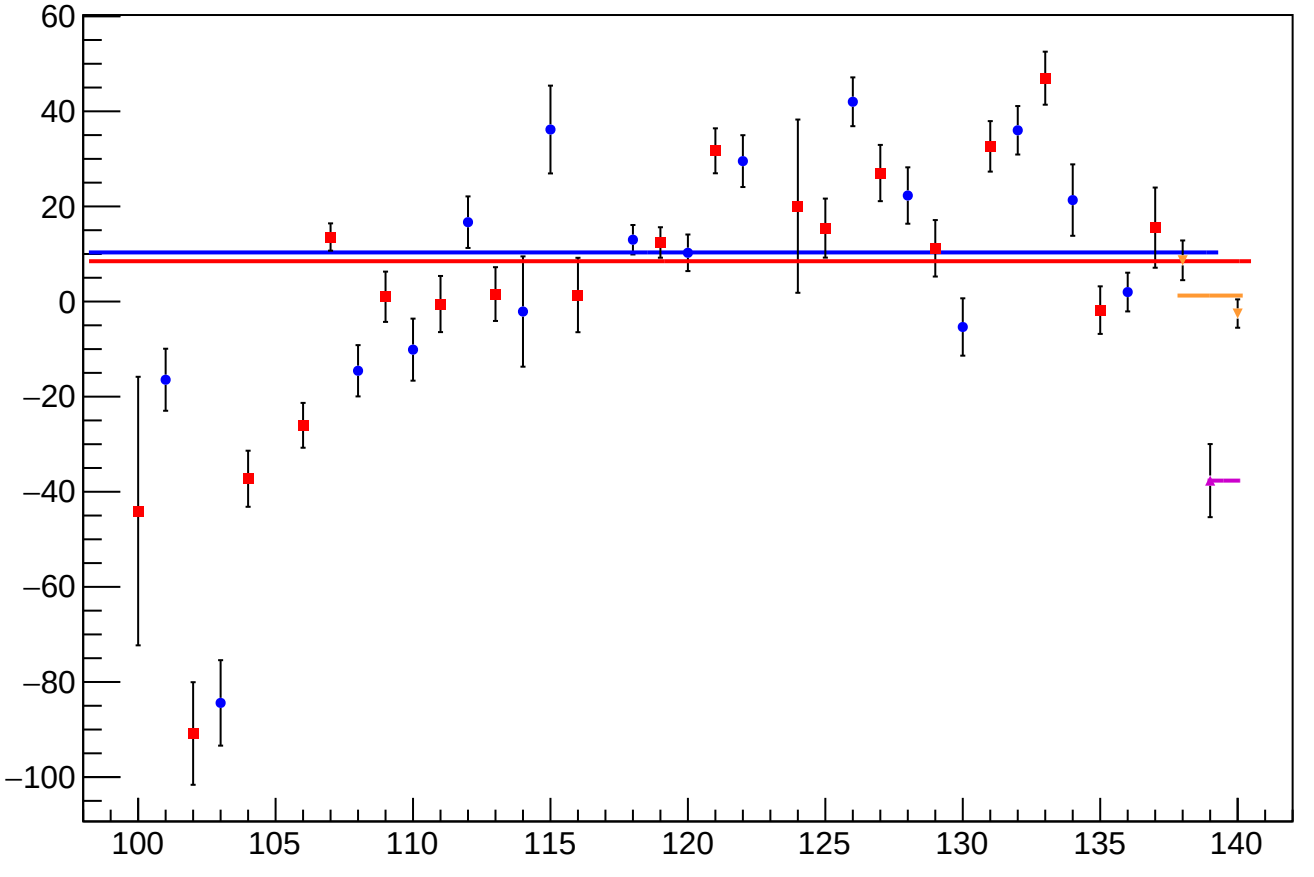
Left: 191.560+/-2.303 χ^2/NDF: 163.7/2

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 213.423+/-1.240 χ^2/NDF:817.4/16

Out: 182.701+/-1.094 χ^2/NDF:2556.9/20

All: 196.157+/-0.820 χ^2/NDF: 3719.5/37



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: 1.257+/-2.427 χ^2/NDF:4.8/1

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -37.656+/-7.687 χ^2/NDF:0.0/0

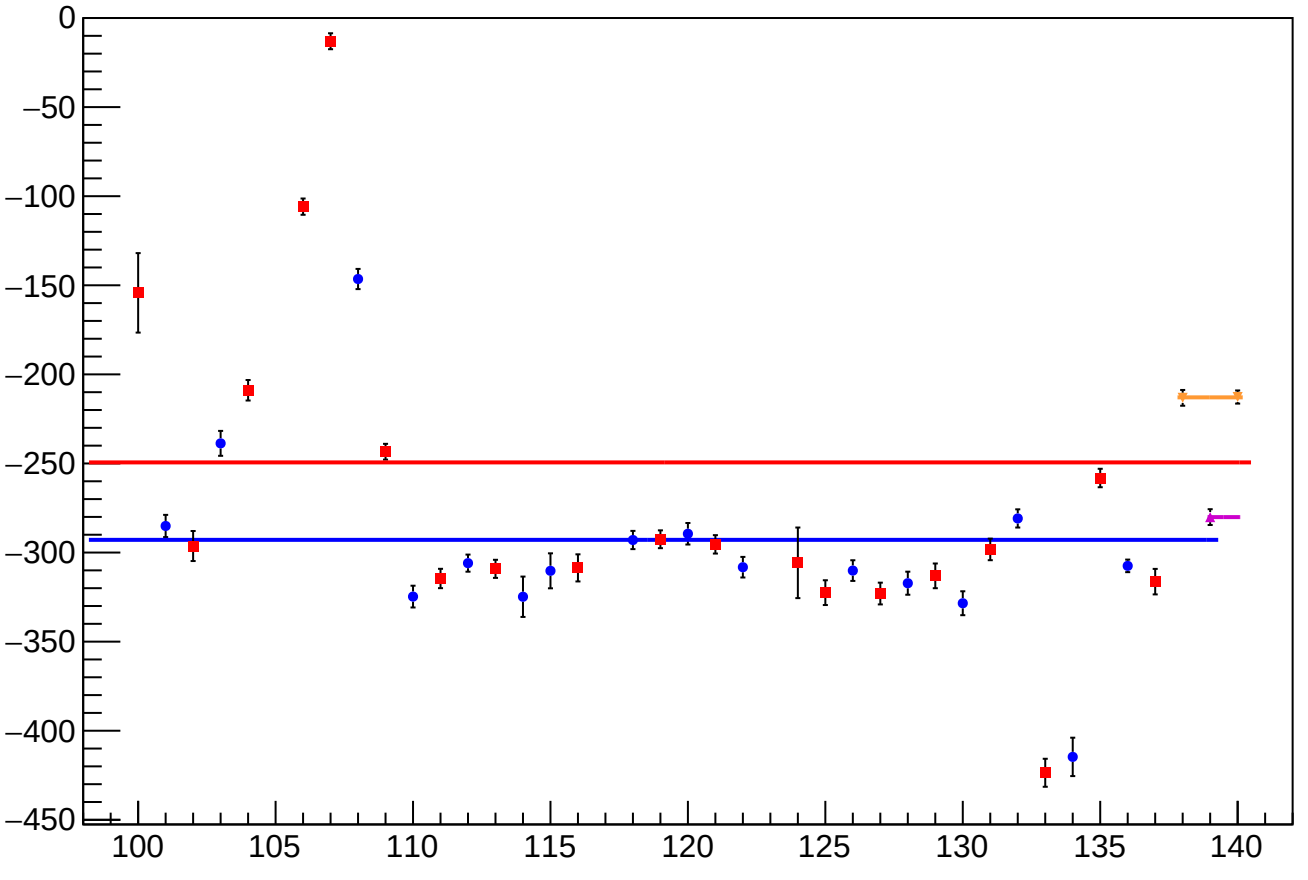
Left: -2.270+/-2.314 χ^2/NDF: 28.1/2

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 8.929+/-1.313 χ^2/NDF:301.1/16

Out: 7.014+/-1.093 χ^2/NDF:334.2/20

All: 7.798+/-0.840 χ^2/NDF: 636.5/37



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -212.903+/-2.833 χ^2/NDF:0.0/1

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -280.105+/-4.437 χ^2/NDF:0.0/0

Left: -232.361+/-2.388 χ^2/NDF: 163.0/2

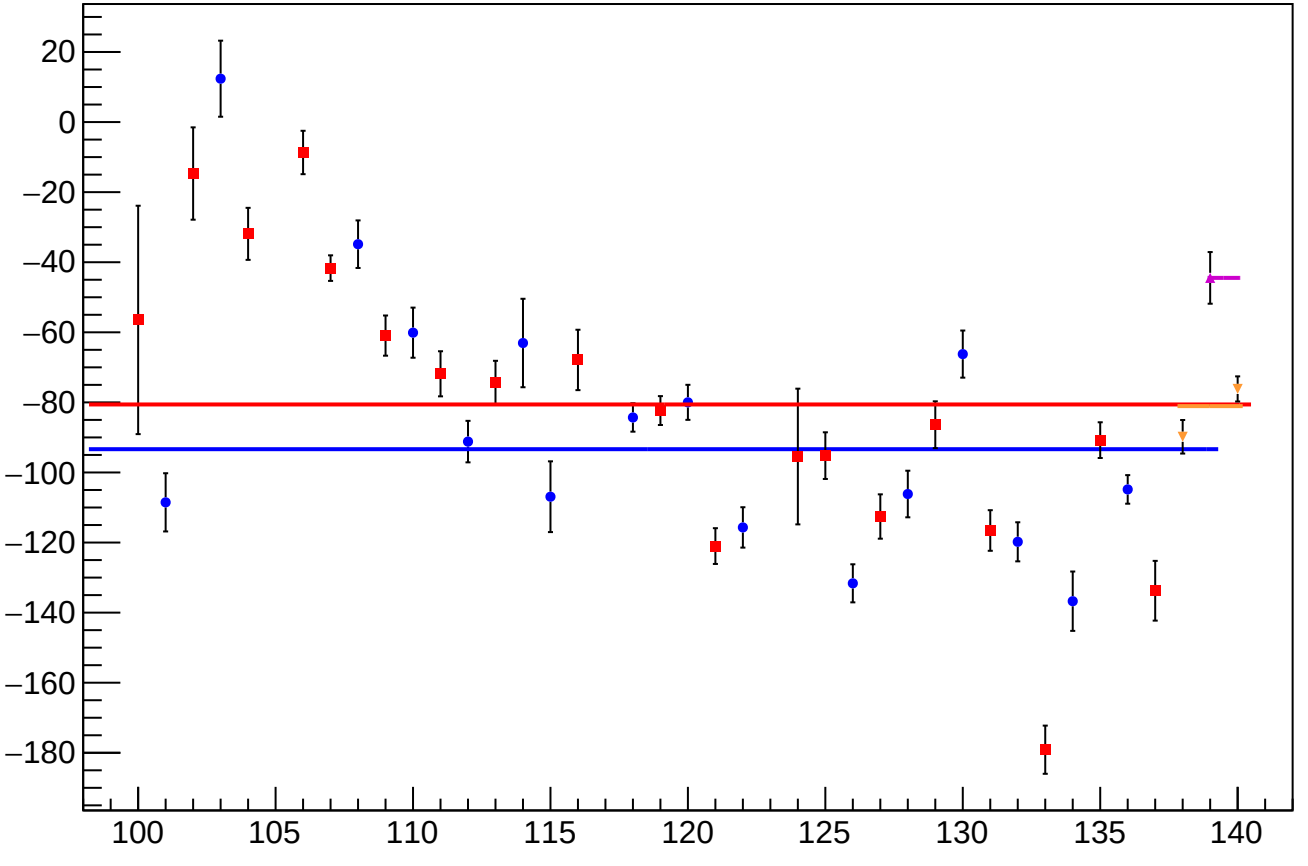
Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -291.613+/-1.393 χ^2/NDF:991.0/16

Out: -242.498+/-1.232 χ^2/NDF:5503.1/20

All: -264.057+/-0.923 χ^2/NDF: 7191.3/37

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -81.065+/-2.869 χ^2/NDF:5.2/1

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -44.468+/-7.372 χ^2/NDF:0.0/0

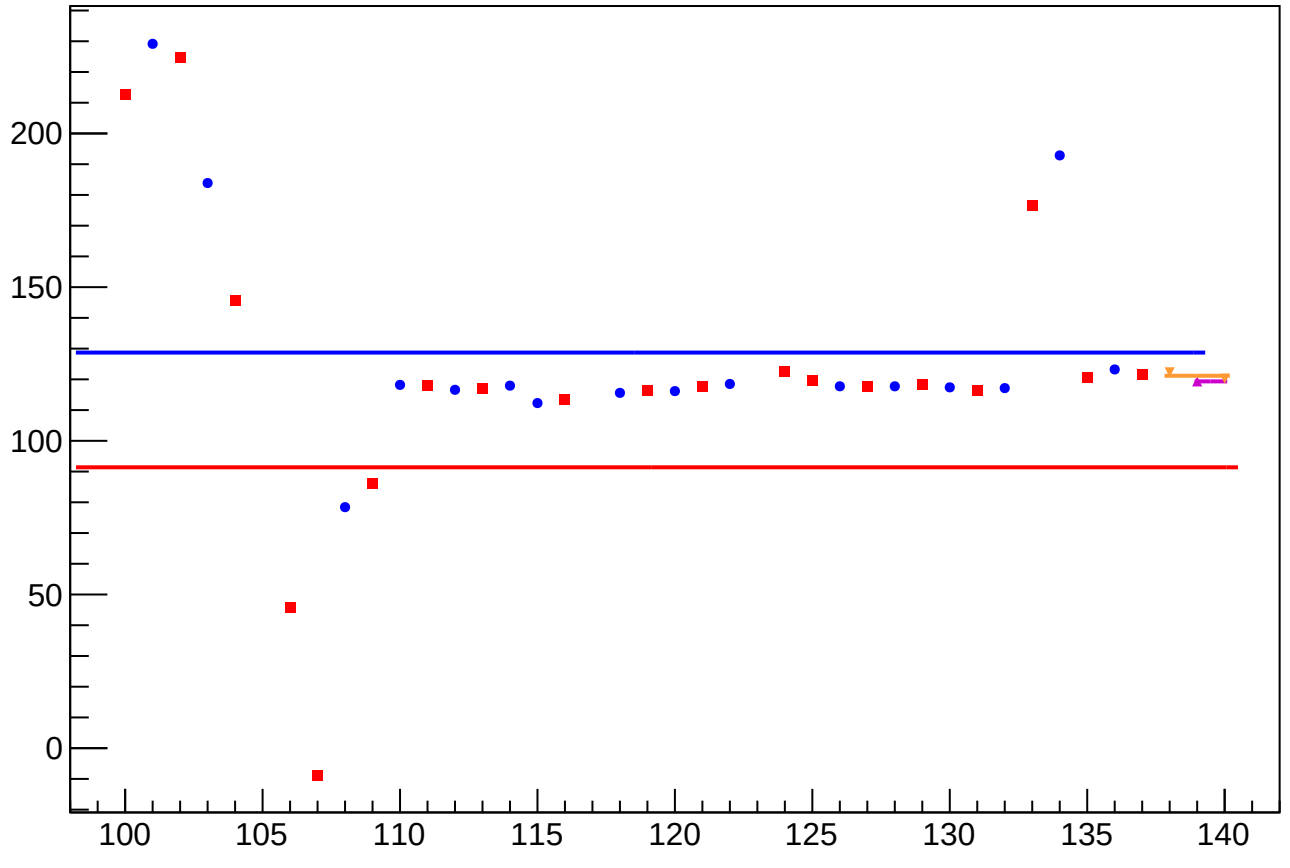
Left: -76.251+/-2.674 χ^2/NDF: 26.6/2

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -91.327+/-1.502 χ^2/NDF:397.5/16

Out: -80.685+/-1.275 χ^2/NDF:720.6/20

All: -85.143+/-0.972 χ^2/NDF: 1147.2/37



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 121.169+/-0.121 χ^2/NDF:72.7/1

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 119.337+/-0.159 χ^2/NDF:0.0/0

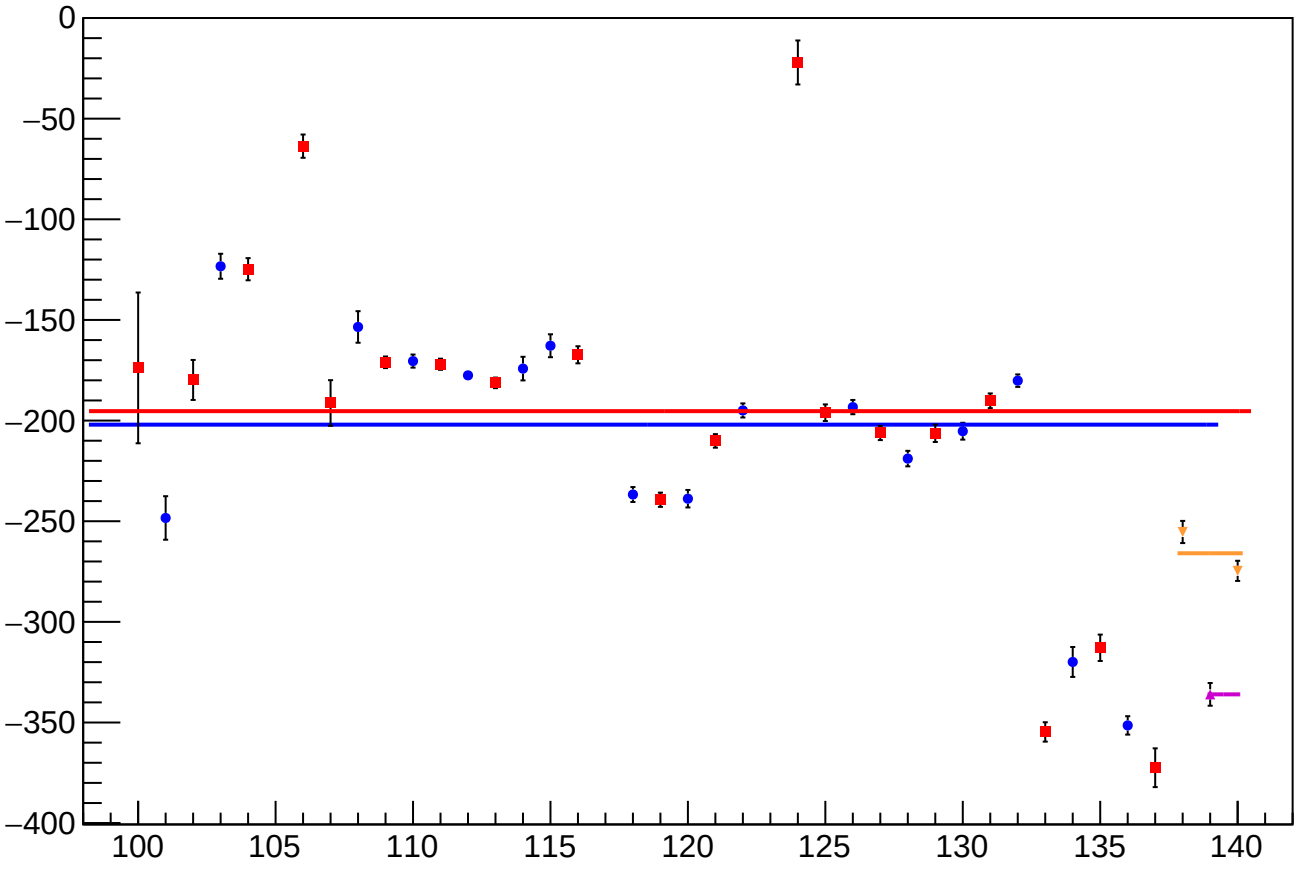
Left: 120.498+/-0.096 χ^2/NDF: 157.1/2

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 126.468+/-0.078 χ^2/NDF:186175.1/16

Out: 100.328+/-0.066 χ^2/NDF:647597.9/20

All: 111.305+/-0.050 χ^2/NDF: 899379.6/37



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -265.915+/-3.705 χ^2/NDF:6.7/1

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -336.015+/-5.647 χ^2/NDF:0.0/0

Left: -287.007+/-3.098 χ^2/NDF: 114.5/2

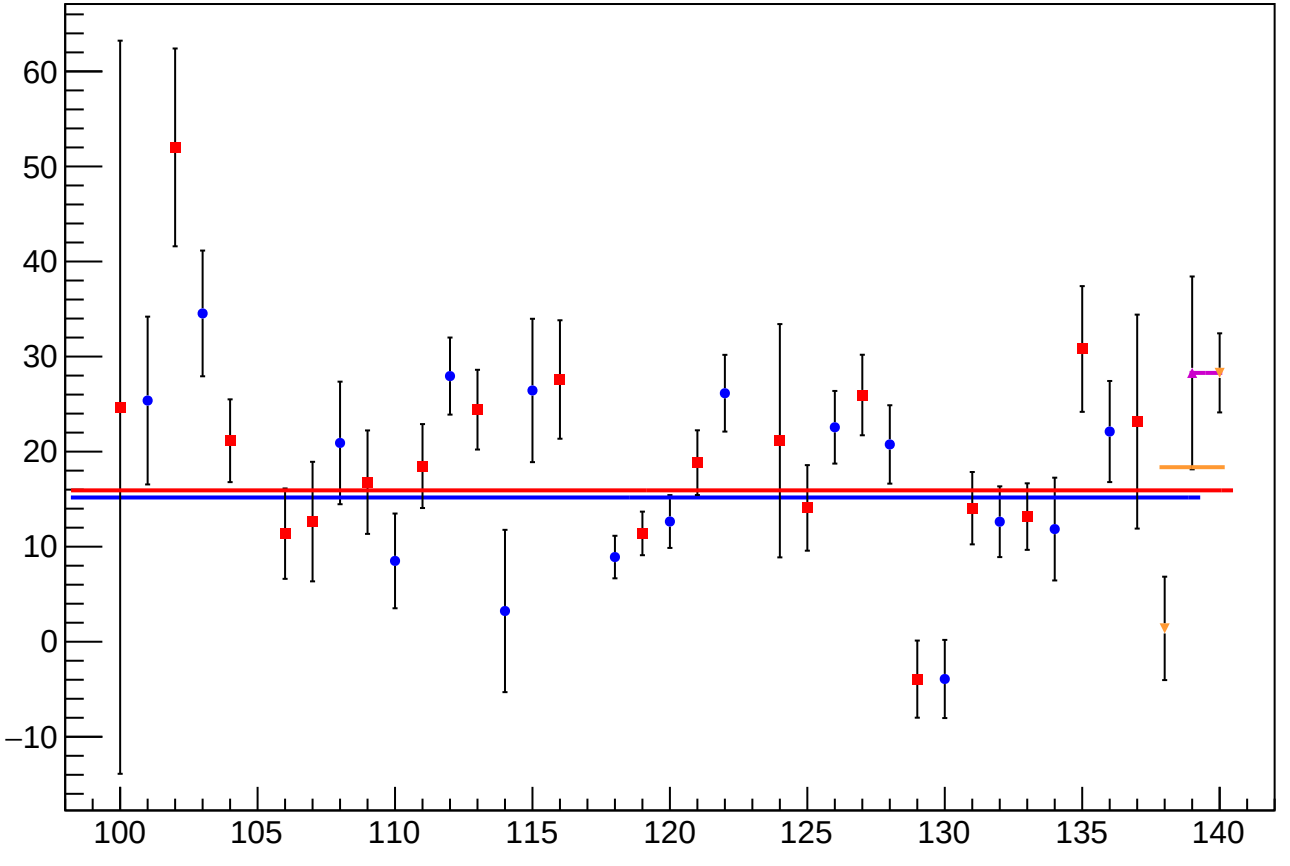
Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -206.286+/-1.008 χ^2/NDF:2585.4/16

Out: -199.876+/-0.942 χ^2/NDF:3447.1/20

All: -202.866+/-0.688 χ^2/NDF: 6054.1/37

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 18.361+/-3.304 χ^2/NDF:15.4/1

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 28.280+/-10.145 χ^2/NDF:0.0/0

Left: 19.313+/-3.142 χ^2/NDF: 16.3/2

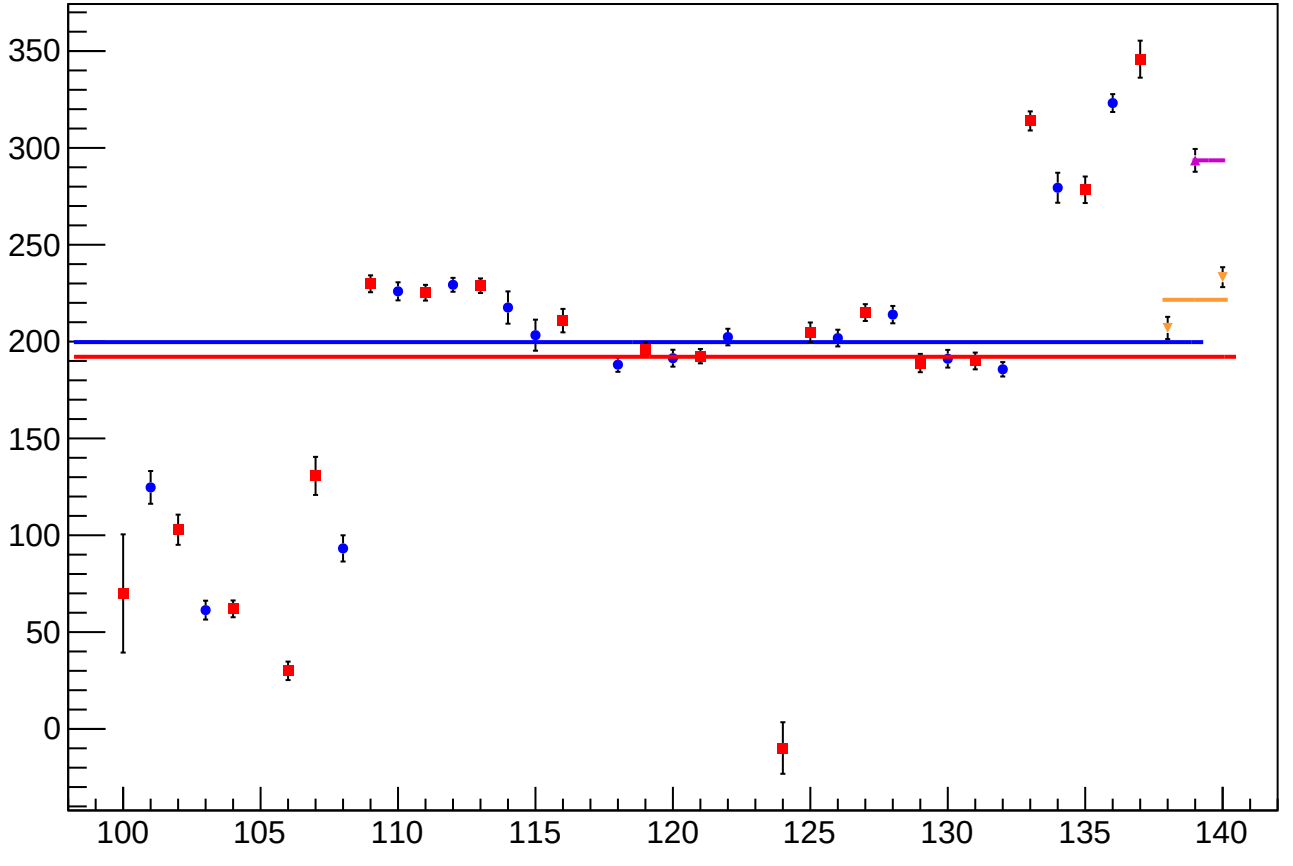
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 15.313+/-1.042 χ^2/NDF:74.0/16

Out: 16.143+/-0.989 χ^2/NDF:79.5/20

All: 15.750+/-0.717 χ^2/NDF: 153.8/37

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 221.581+/-3.834 χ^2/NDF:11.6/1

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 293.579+/-5.889 χ^2/NDF:0.0/0

Left: 243.016+/-3.213 χ^2/NDF: 116.5/2

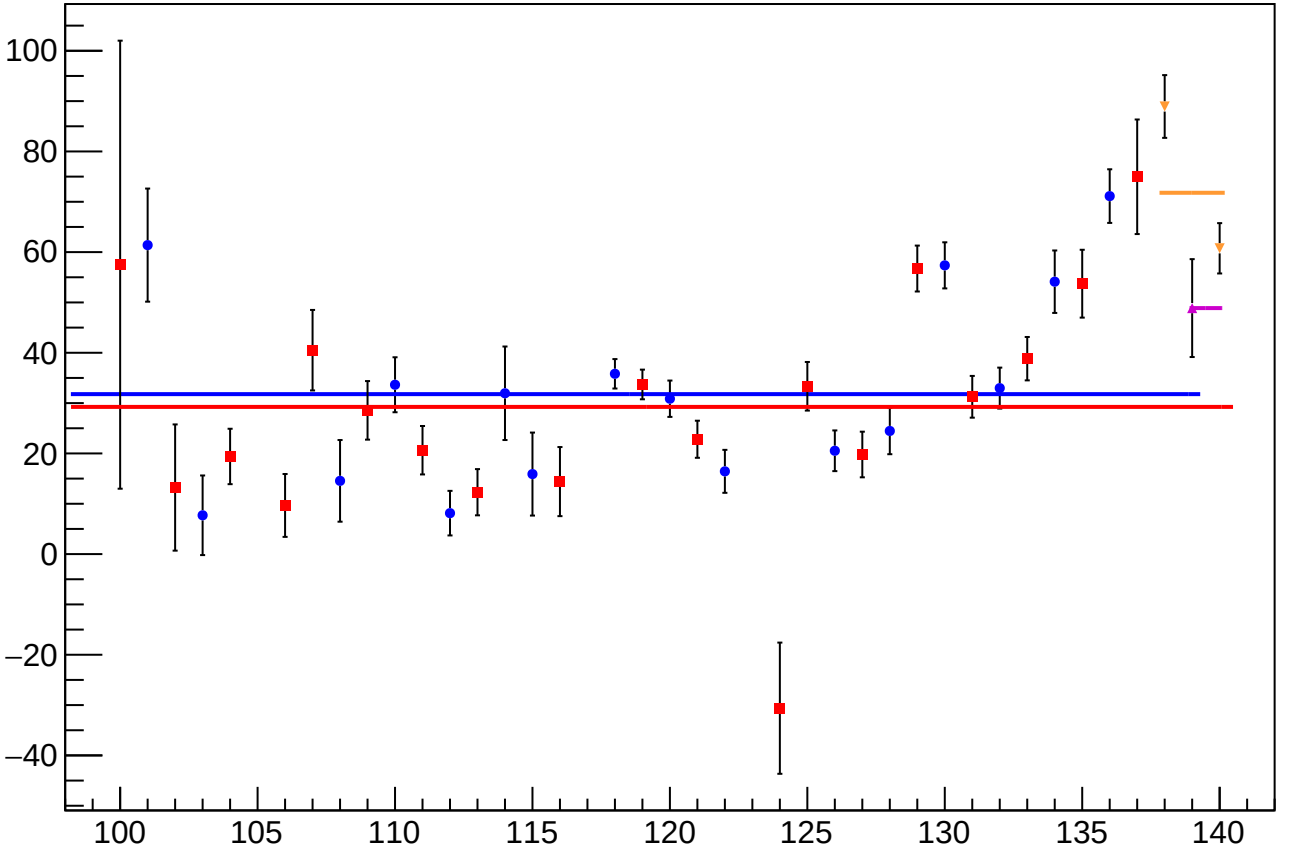
Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 203.438+/-1.172 χ^2/NDF:2345.6/16

Out: 194.586+/-1.102 χ^2/NDF:3842.7/20

All: 198.740+/-0.803 χ^2/NDF: 6218.6/37

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 71.790+/-3.901 χ^2/NDF:12.4/1

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 48.877+/-9.725 χ^2/NDF:0.0/0

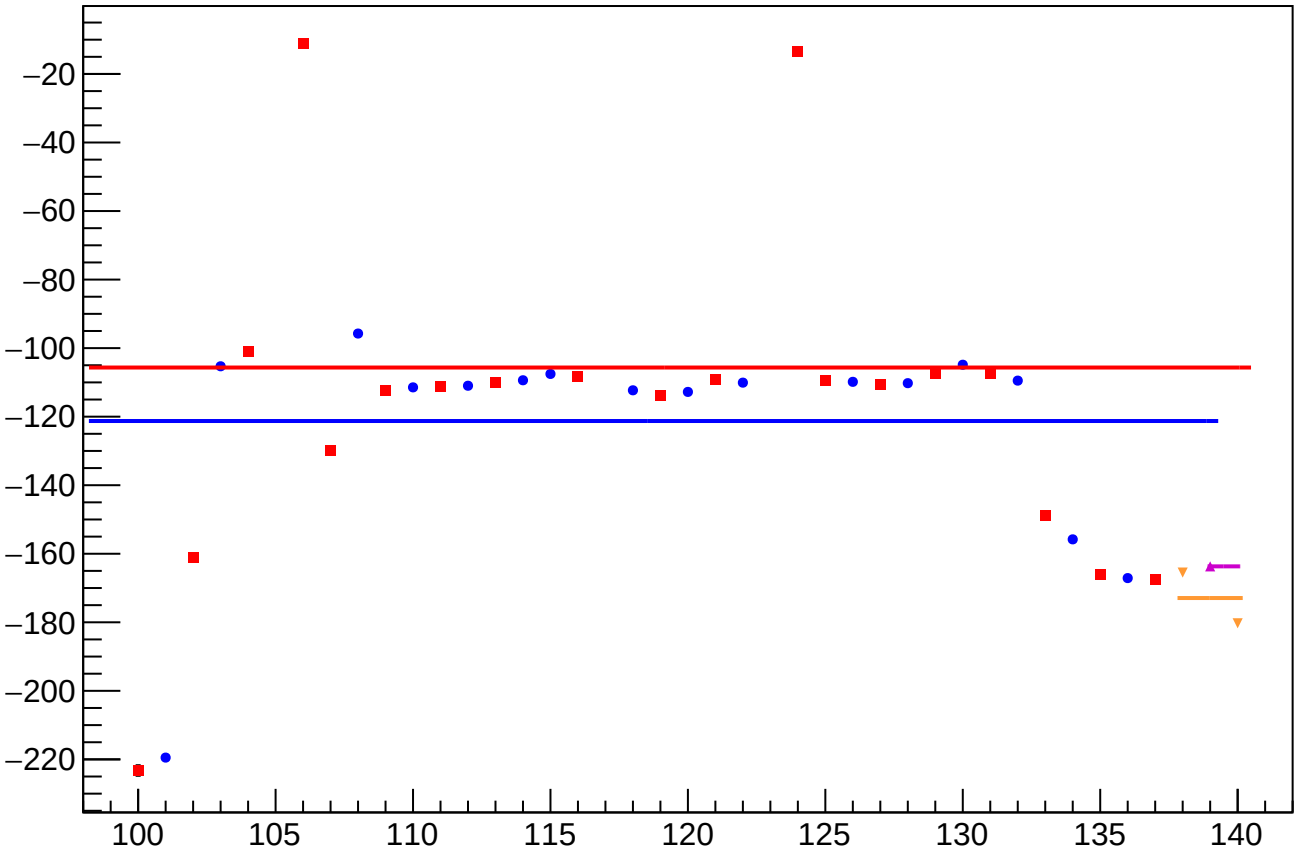
Left: 68.614+/-3.620 χ^2/NDF: 17.2/2

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 32.046+/-1.207 χ^2/NDF:180.0/16

Out: 32.904+/-1.144 χ^2/NDF:262.1/20

All: 32.498+/-0.830 χ^2/NDF: 442.4/37



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -172.920+/-0.163 χ^2/NDF:2067.2/1

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -163.681+/-0.210 χ^2/NDF:0.0/0

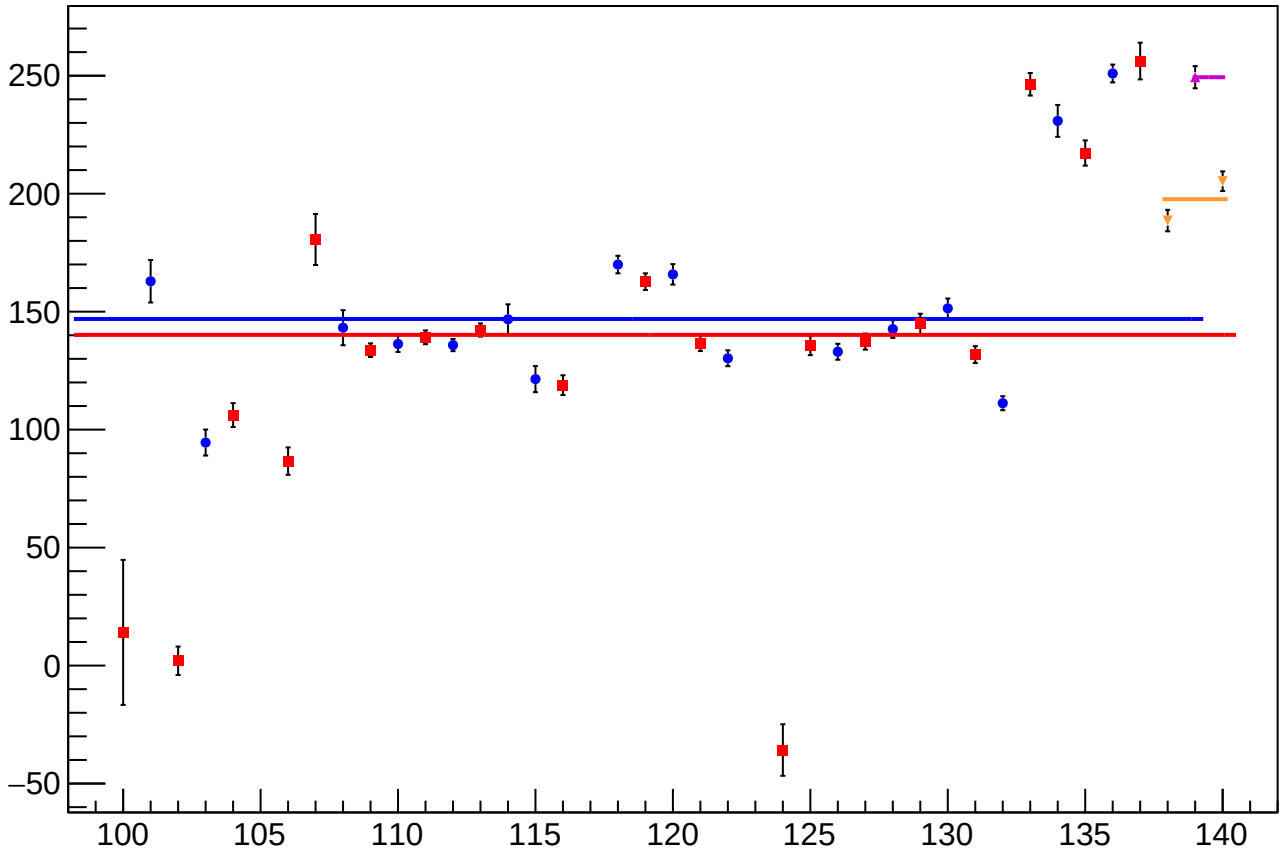
Left: -169.443+/-0.129 χ^2/NDF: 3279.4/2

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -126.571+/-0.074 χ^2/NDF:155235.4/16

Out: -117.360+/-0.068 χ^2/NDF:498174.1/20

All: -121.564+/-0.050 χ^2/NDF: 661808.6/37



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 197.678+/-3.076 χ^2/NDF:7.3/1

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 249.363+/-4.689 χ^2/NDF:0.0/0

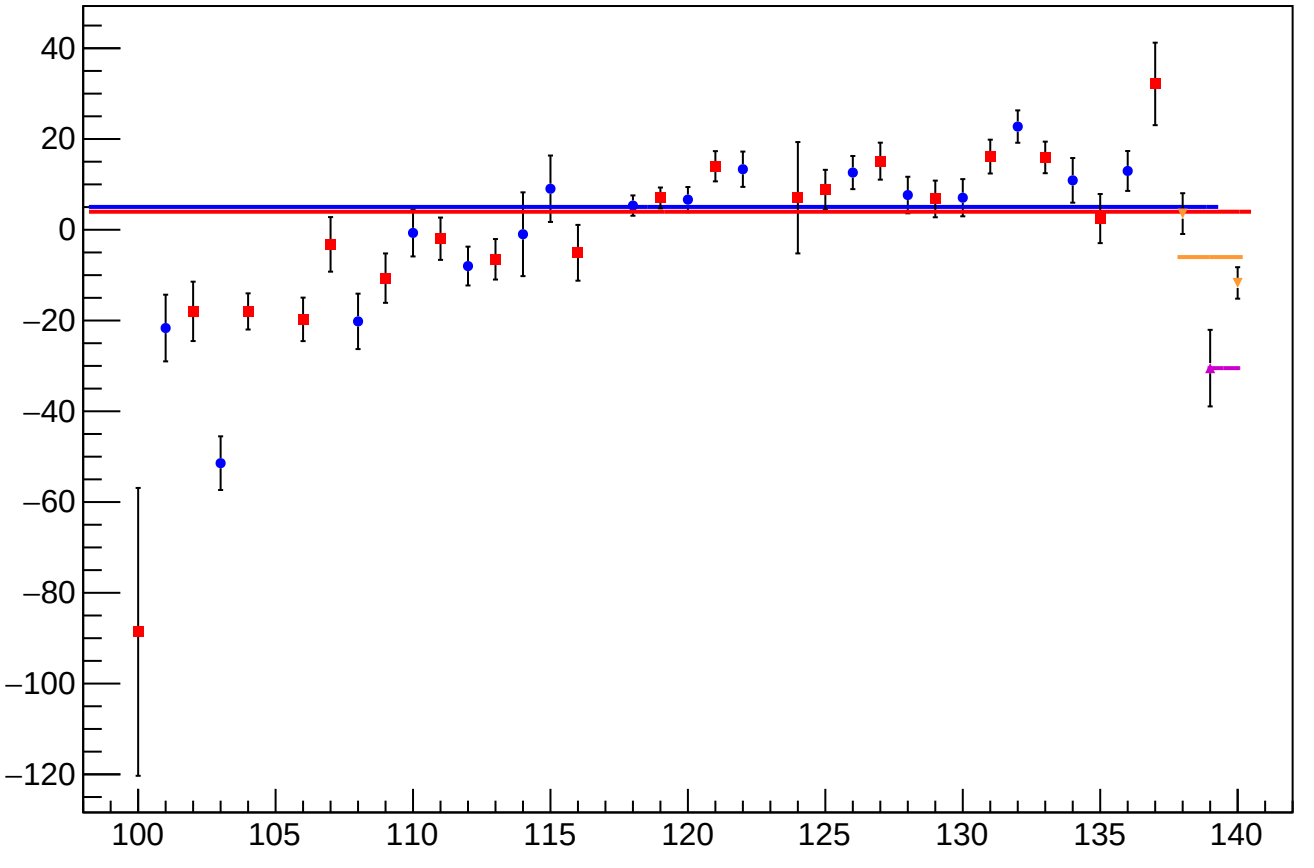
Left: 213.227+/-2.572 χ^2/NDF: 92.2/2

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 151.391+/-0.981 χ^2/NDF:1758.5/16

Out: 145.260+/-0.916 χ^2/NDF:2276.6/20

All: 148.116+/-0.670 χ^2/NDF: 4056.0/37



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -6.015+/-2.745 χ^2/NDF:7.2/1

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -30.490+/-8.436 χ^2/NDF:0.0/0

Left: -8.358+/-2.611 χ^2/NDF: 14.9/2

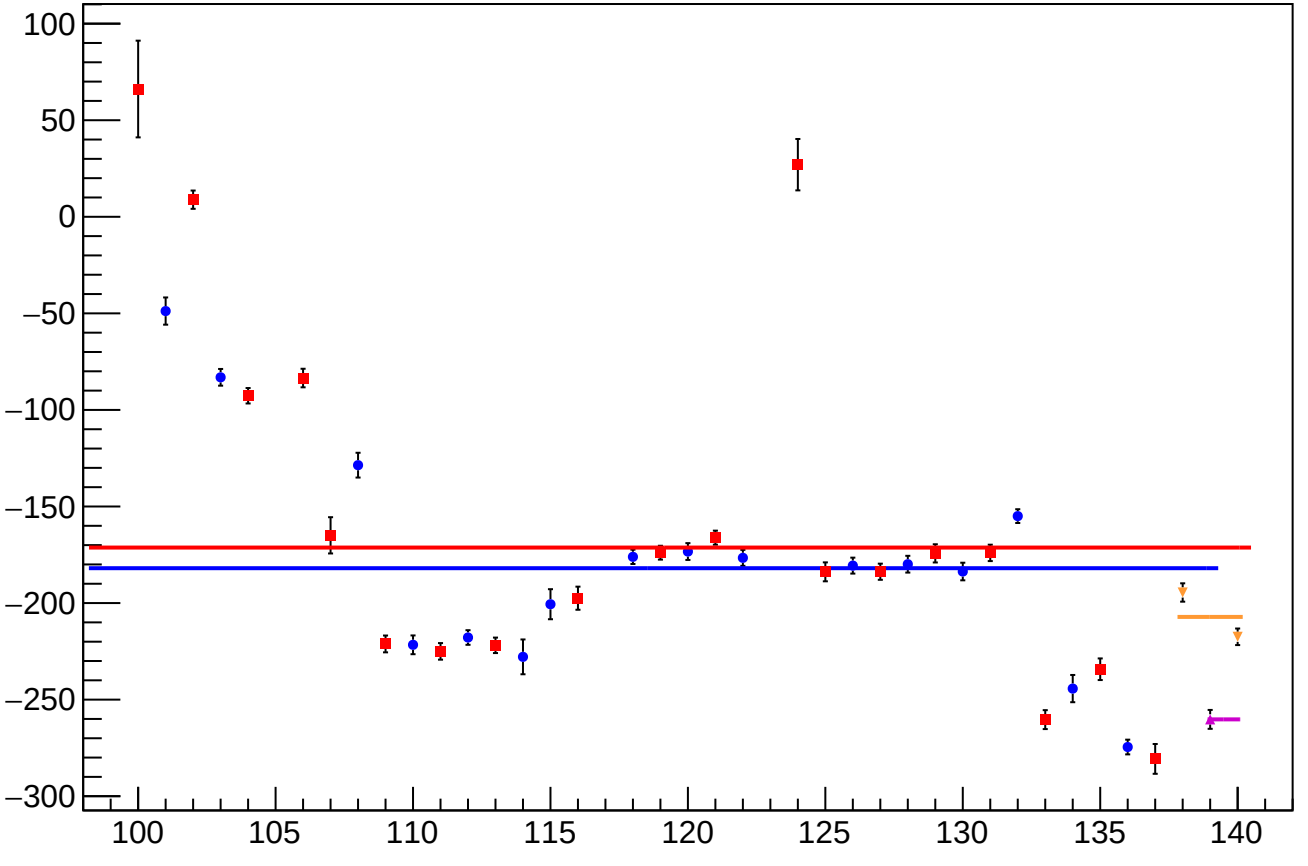
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 4.524+/-1.013 χ^2/NDF:189.3/16

Out: 2.779+/-0.949 χ^2/NDF:163.8/20

All: 3.595+/-0.693 χ^2/NDF: 354.7/37

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -207.174+/-3.184 χ^2/NDF:12.8/1

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -260.225+/-4.889 χ^2/NDF:0.0/0

Left: -222.973+/-2.668 χ^2/NDF: 95.5/2

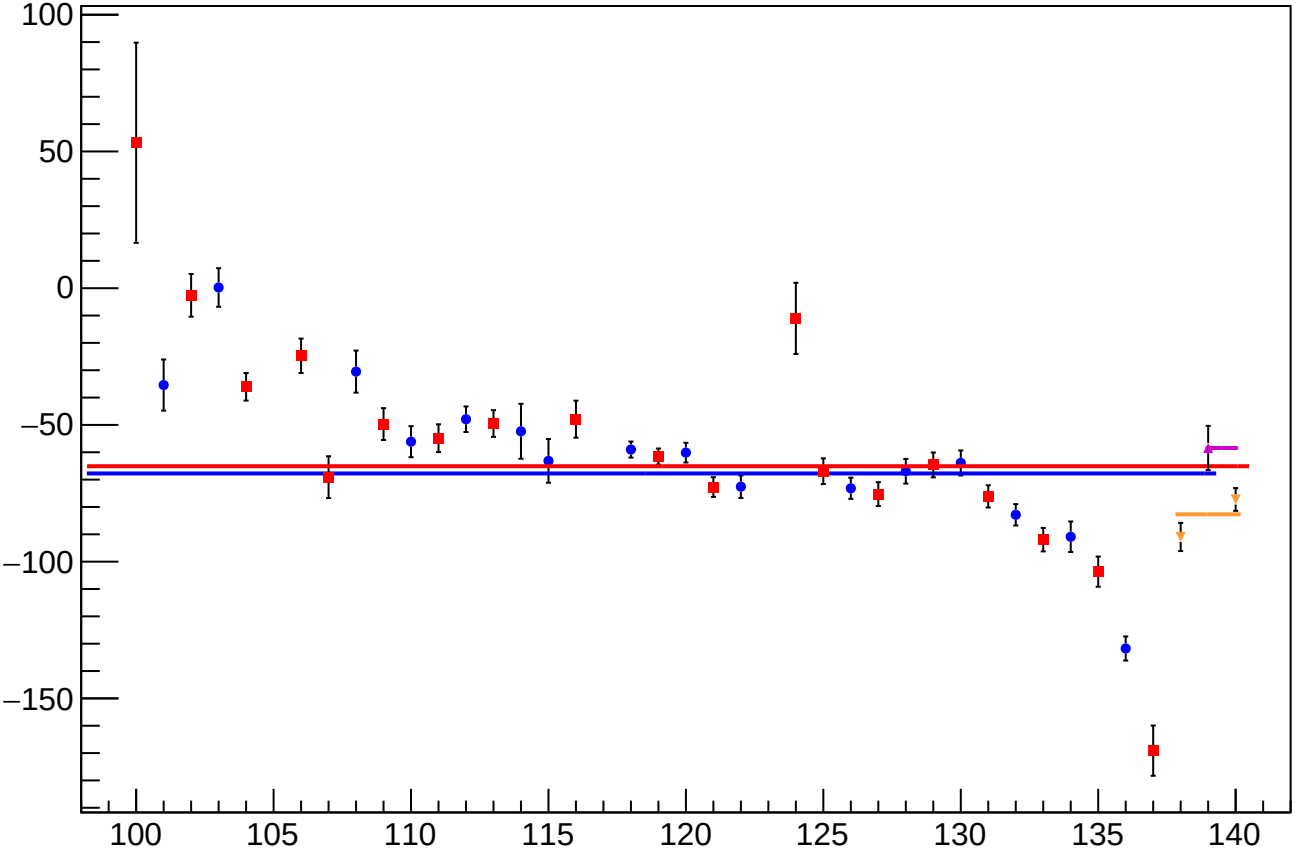
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -186.078+/-1.123 χ^2/NDF:2113.3/16

Out: -175.161+/-1.049 χ^2/NDF:3754.4/20

All: -180.248+/-0.767 χ^2/NDF: 5918.2/37

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -82.682+/-3.240 χ^2/NDF:4.3/1

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -58.440+/-8.088 χ^2/NDF:0.0/0

Left: -79.330+/-3.007 χ^2/NDF: 12.0/2

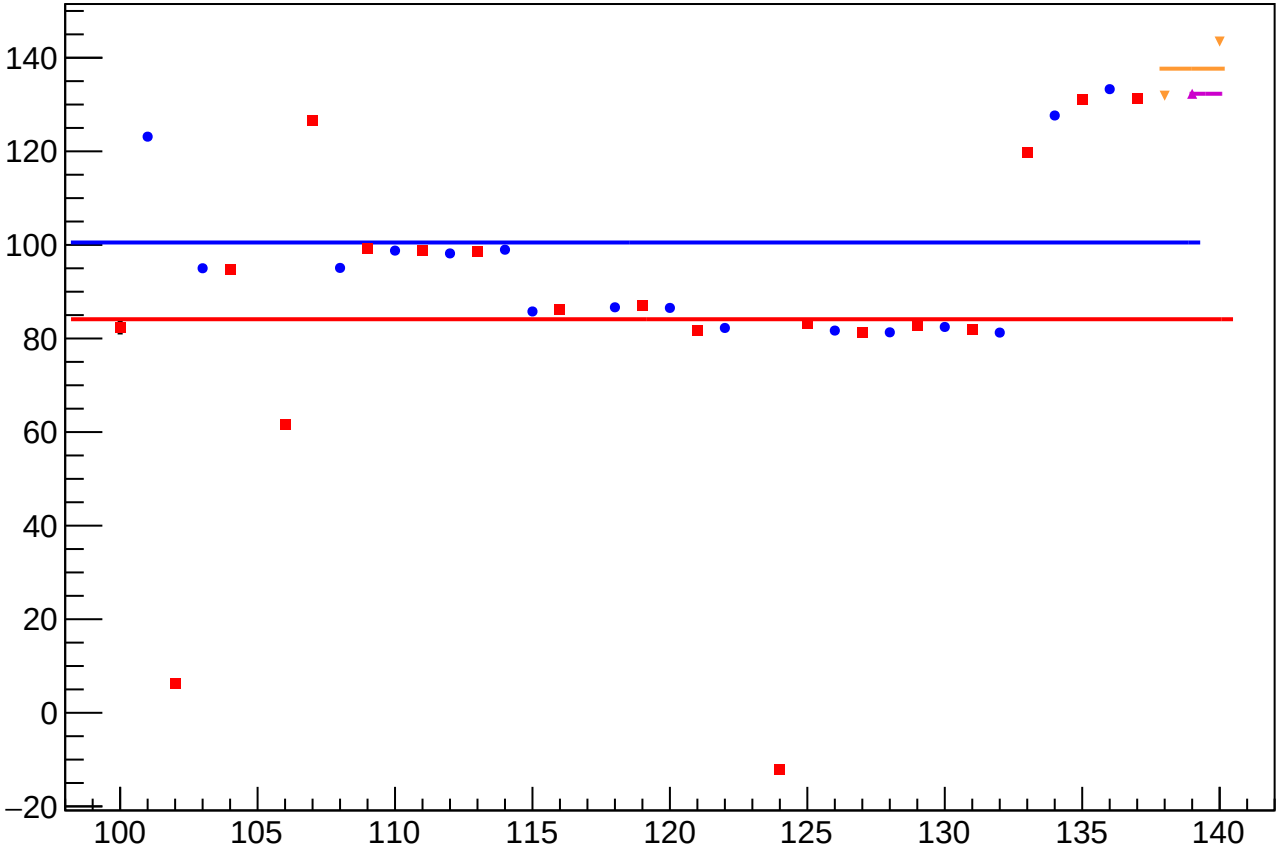
Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -67.551+/-1.169 χ^2/NDF:415.3/16

Out: -67.122+/-1.098 χ^2/NDF:459.4/20

All: -67.323+/-0.800 χ^2/NDF: 874.8/37

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 137.667+/-0.135 χ^2/NDF:1835.2/1

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 132.304+/-0.174 χ^2/NDF:0.0/0

Left: 135.655+/-0.107 χ^2/NDF: 2426.8/2

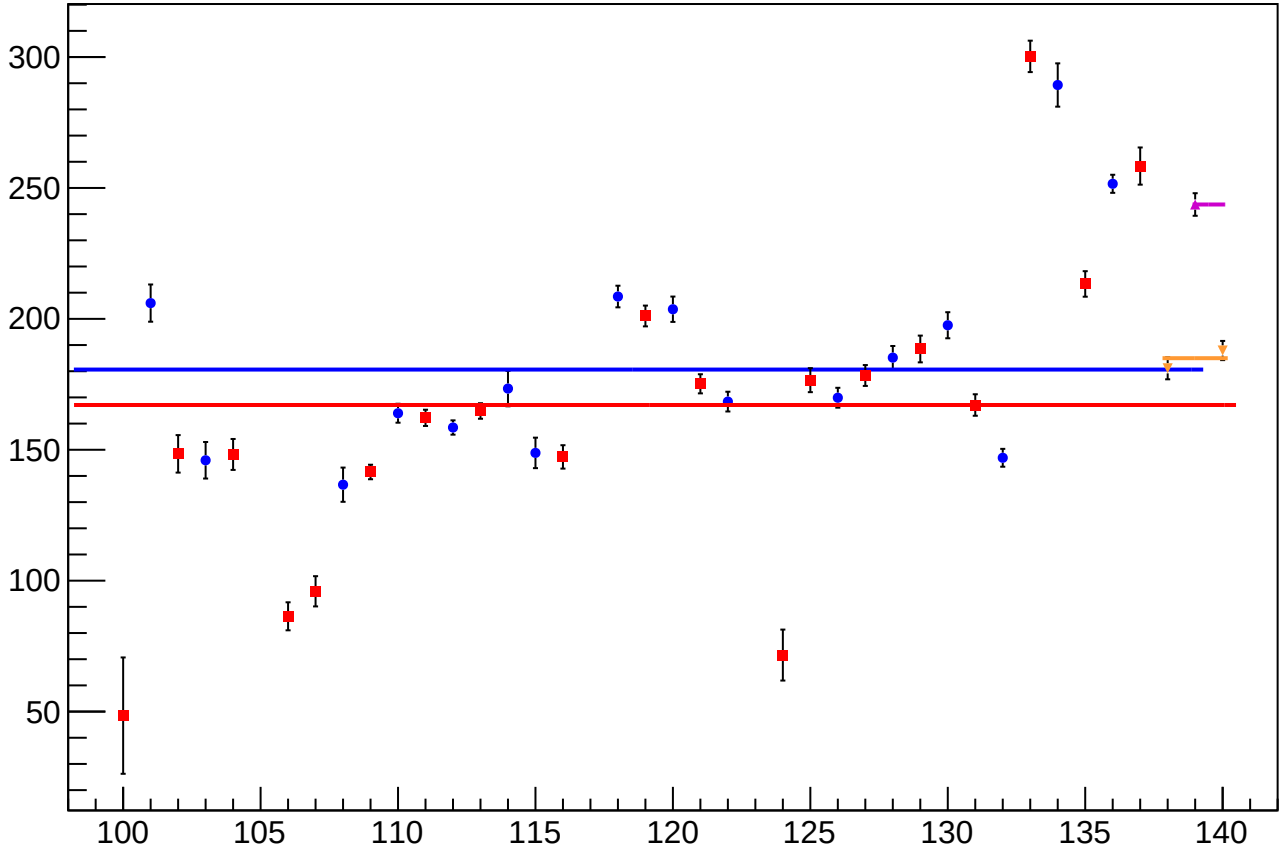
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 105.368+/-0.068 χ^2/NDF:95655.3/16

Out: 95.253+/-0.062 χ^2/NDF:390147.6/20

All: 99.805+/-0.046 χ^2/NDF: 497941.6/37

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 184.978+/-2.763 χ^2/NDF:1.5/1

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 243.683+/-4.310 χ^2/NDF:0.0/0

Left: 202.077+/-2.326 χ^2/NDF: 133.0/2

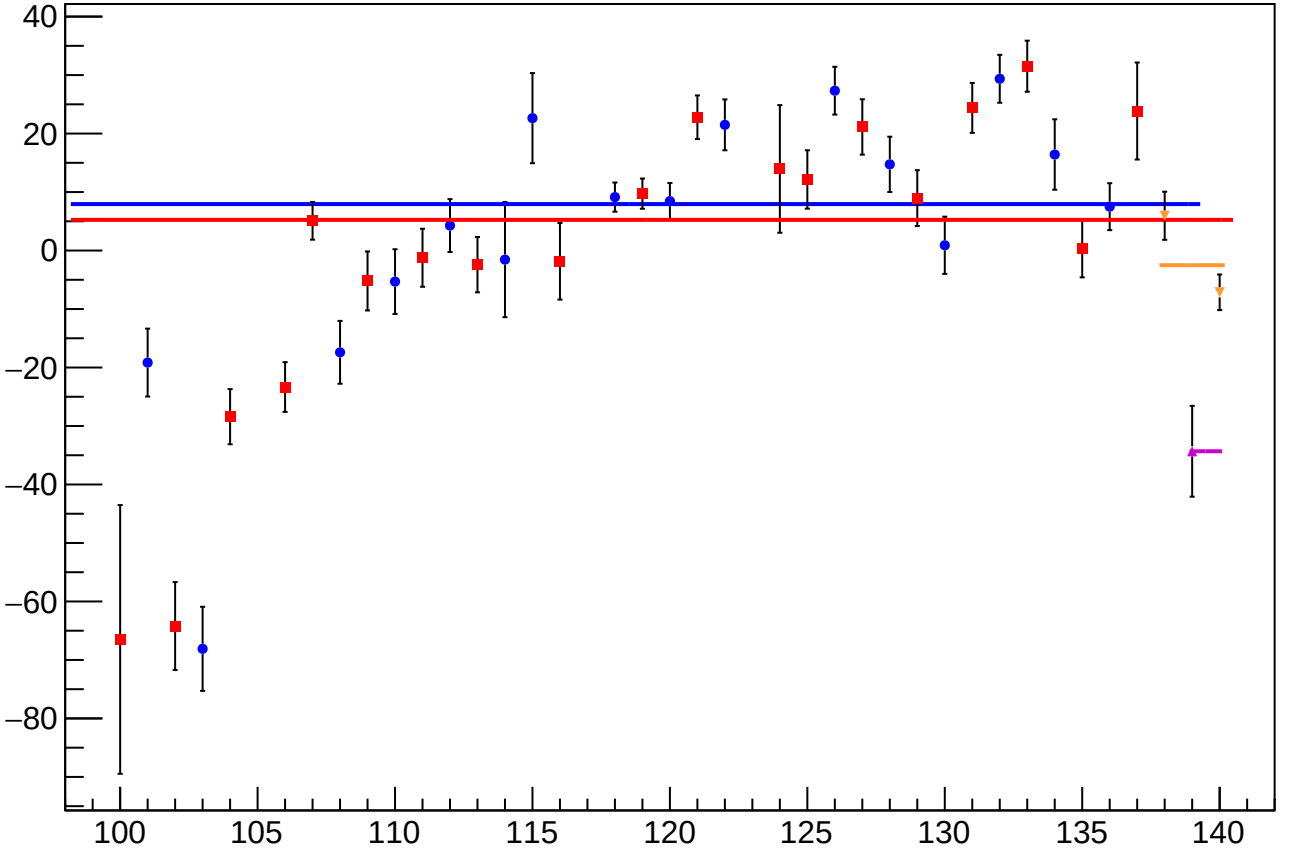
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 184.422+/-1.056 χ^2/NDF:1194.5/16

Out: 169.248+/-0.958 χ^2/NDF:1522.9/20

All: 176.092+/-0.709 χ^2/NDF: 2830.7/37

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.506+/-2.448 χ^2/NDF:6.5/1

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -34.319+/-7.765 χ^2/NDF:0.0/0

Left: -5.382+/-2.335 χ^2/NDF: 21.8/2

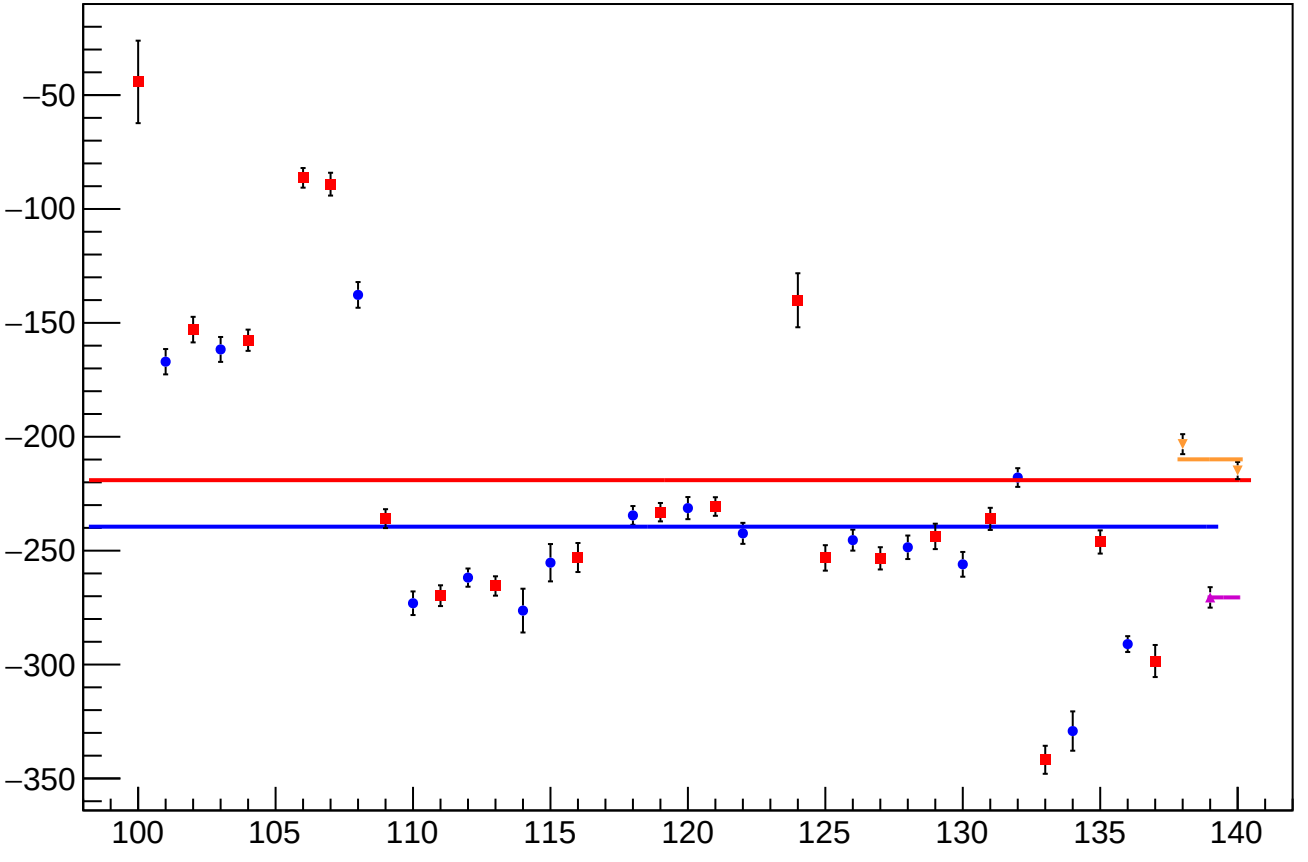
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 7.091+/-1.102 χ^2/NDF:261.9/16

Out: 4.016+/-0.974 χ^2/NDF:317.9/20

All: 5.365+/-0.730 χ^2/NDF: 584.2/37

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -209.912+/-2.859 χ^2/NDF:4.0/1

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -270.522+/-4.493 χ^2/NDF:0.0/0

Left: -227.382+/-2.412 χ^2/NDF: 133.6/2

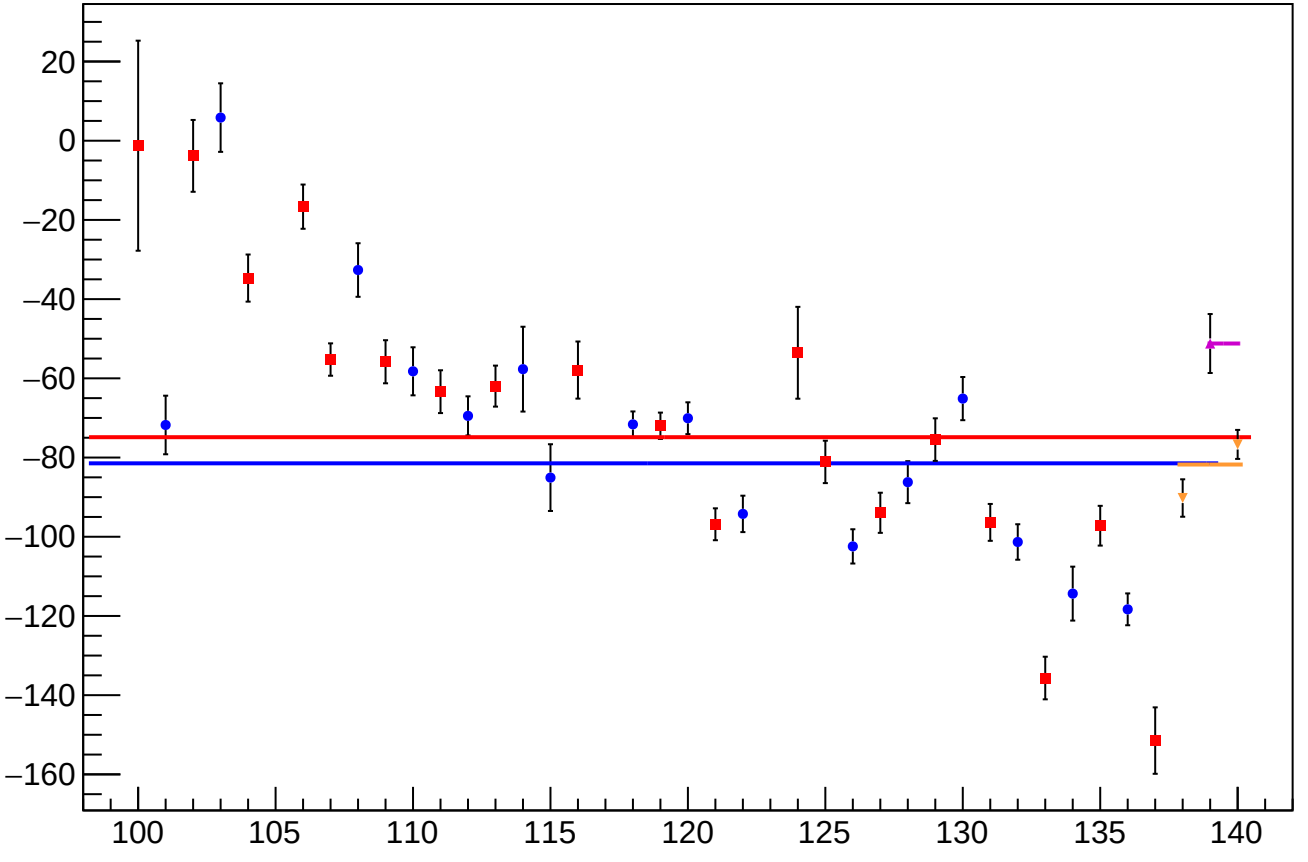
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.685+/-1.200 χ^2/NDF:1206.6/16

Out: -217.729+/-1.088 χ^2/NDF:3062.0/20

All: -228.534+/-0.806 χ^2/NDF: 4487.4/37

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -81.762+/-2.895 χ^2/NDF:5.1/1

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -51.209+/-7.446 χ^2/NDF:0.0/0

Left: -77.750+/-2.698 χ^2/NDF: 19.8/2

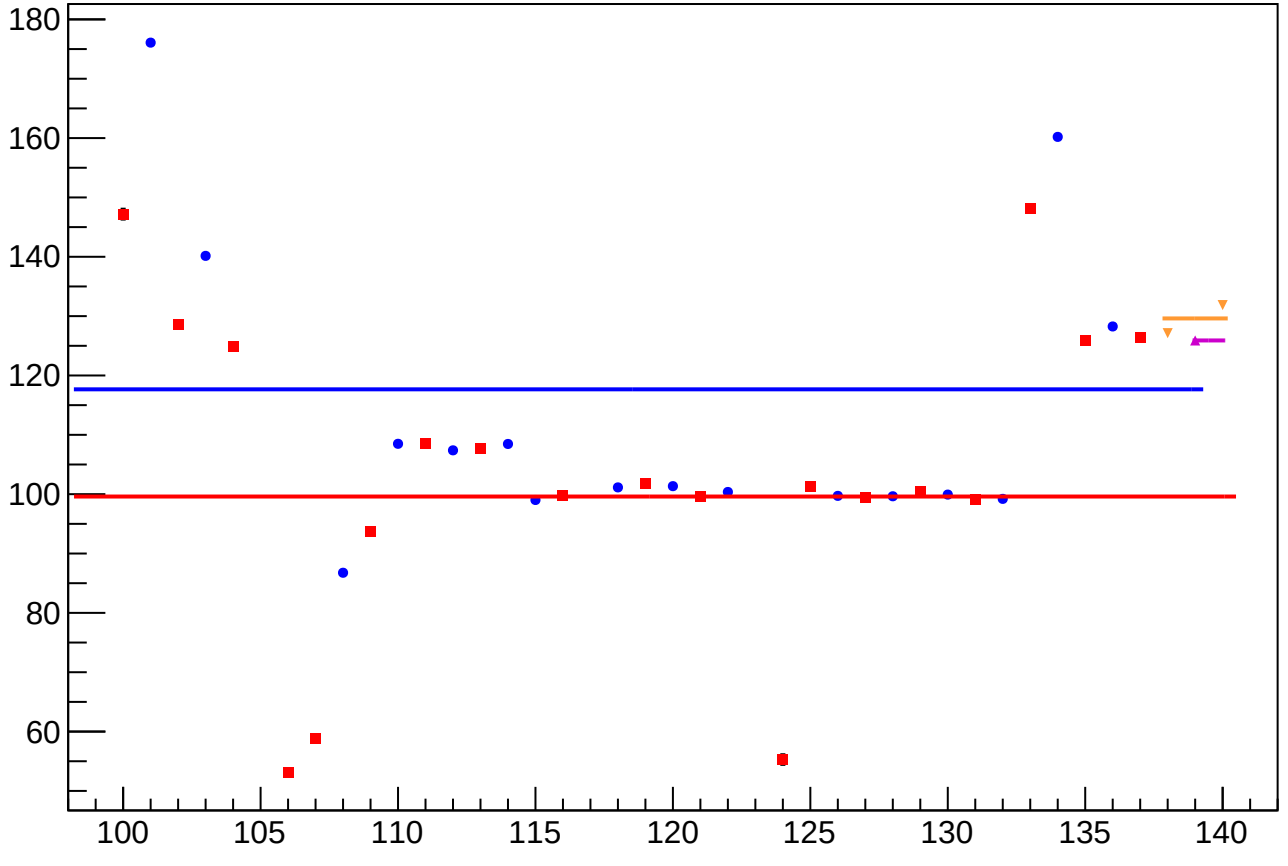
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -80.584+/-1.268 χ^2/NDF:382.5/16

Out: -75.916+/-1.132 χ^2/NDF:586.6/20

All: -77.987+/-0.845 χ^2/NDF: 976.6/37

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 129.612+/-0.122 χ^2/NDF:376.1/1

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.902+/-0.160 χ^2/NDF:0.0/0

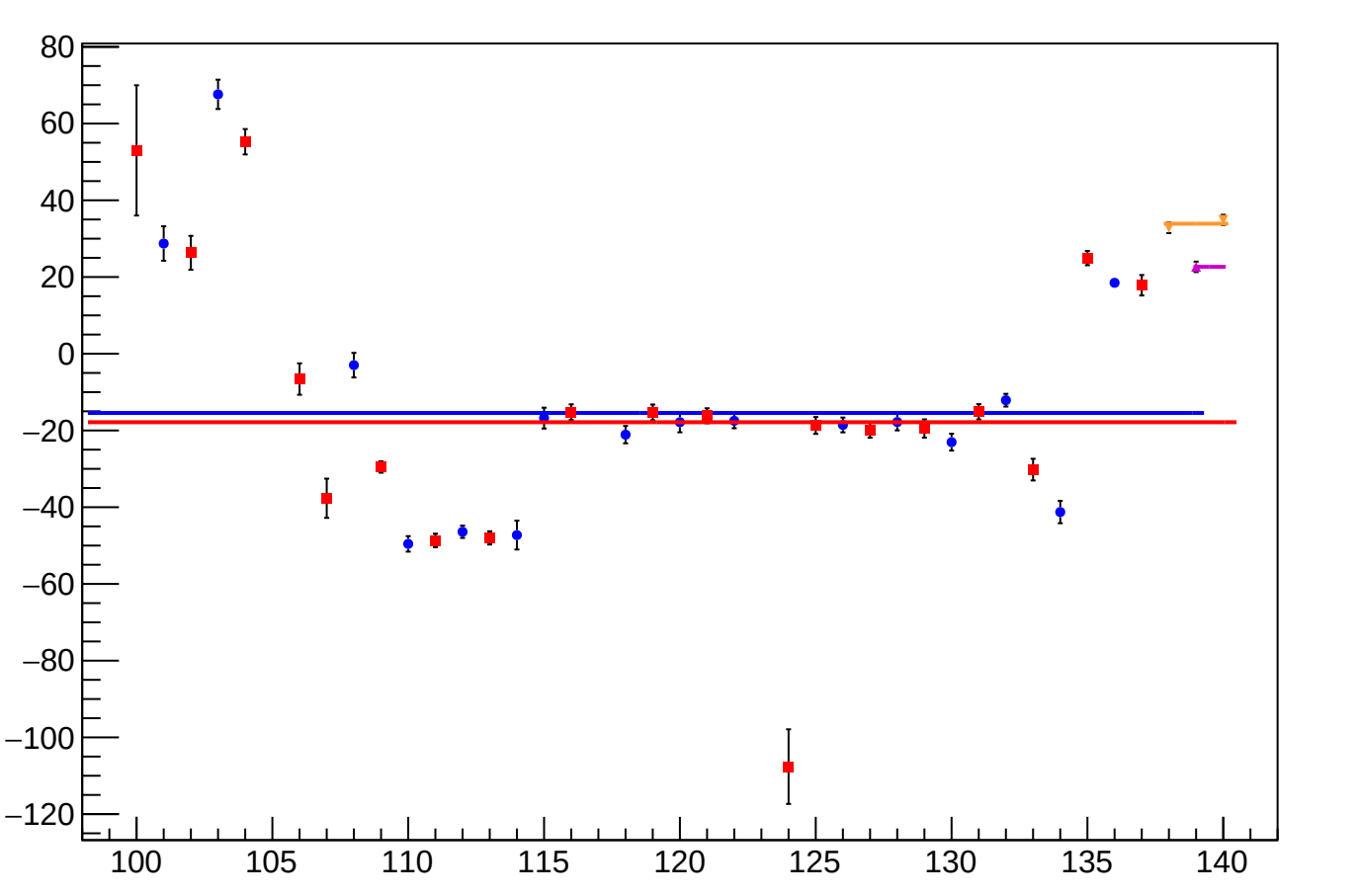
Left: 128.256+/-0.097 χ^2/NDF: 715.2/2

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 119.249+/-0.070 χ^2/NDF:97526.2/16

Out: 107.103+/-0.061 χ^2/NDF:212140.9/20

All: 112.306+/-0.046 χ^2/NDF: 326712.8/37



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 33.898+/-0.963 χ^2/NDF:1.1/1

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 22.656+/-1.357 χ^2/NDF:0.0/0

Left: 30.130+/-0.786 χ^2/NDF: 46.8/2

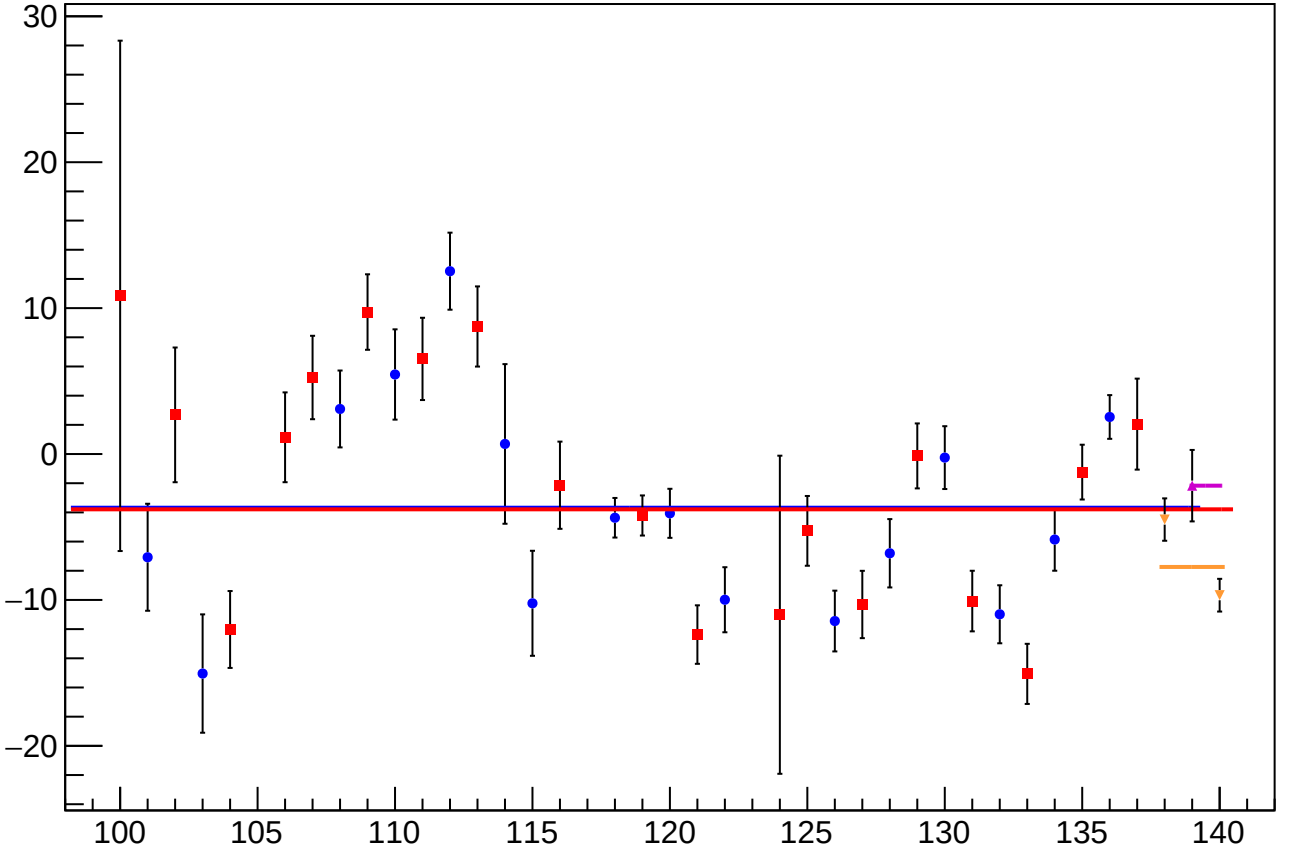
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: -10.246+/-0.501 χ^2/NDF:2804.9/16

Out: -5.840+/-0.464 χ^2/NDF:4341.4/20

All: -7.875+/-0.340 χ^2/NDF: 7187.9/37

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -7.739+/-0.888 χ^2/NDF:8.0/1

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -2.168+/-2.449 χ^2/NDF:0.0/0

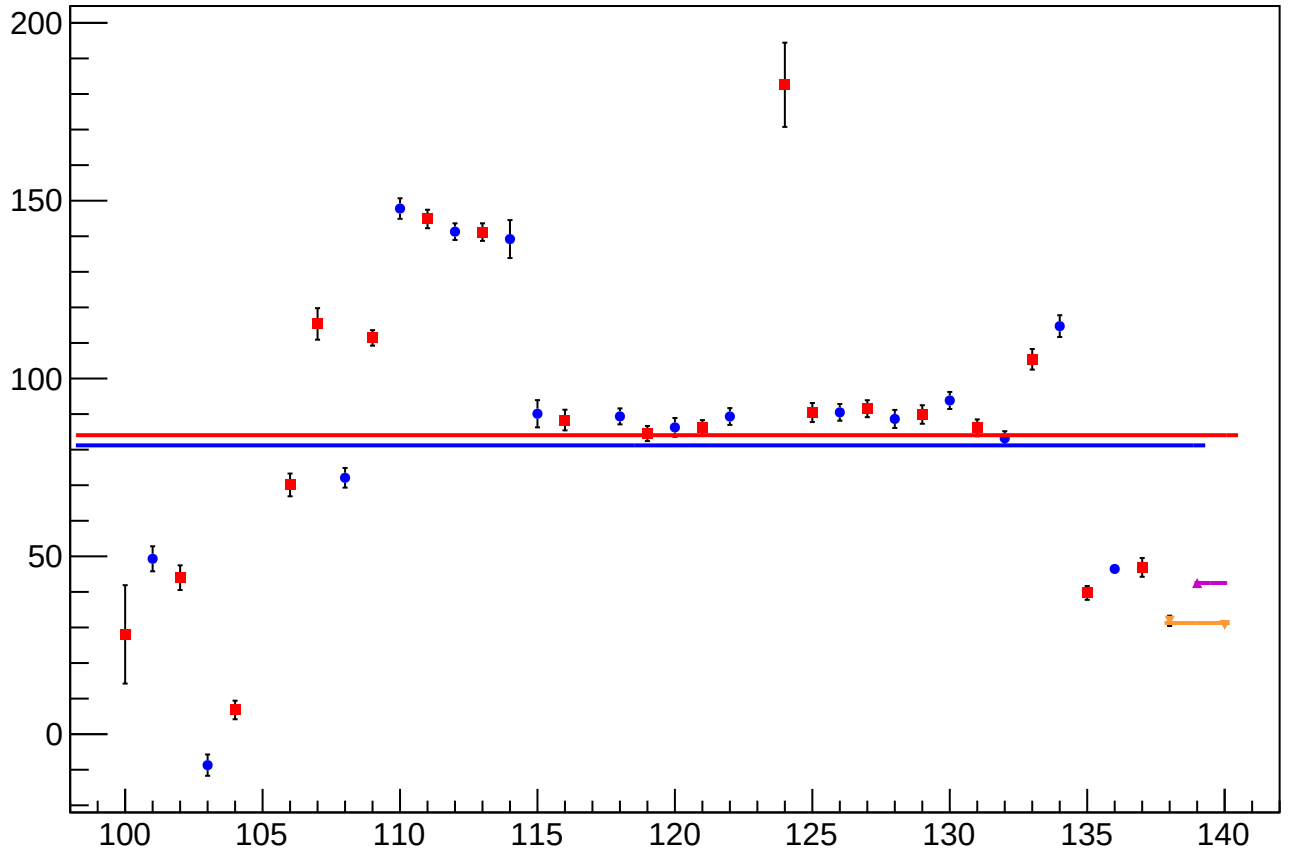
Left: -7.093+/-0.834 χ^2/NDF: 12.6/2

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.606+/-0.538 χ^2/NDF:124.3/16

Out: -4.925+/-0.476 χ^2/NDF:183.3/20

All: -4.347+/-0.357 χ^2/NDF: 311.0/37



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 31.259+/-0.998 χ^2/NDF:0.3/1

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 42.505+/-1.414 χ^2/NDF:0.0/0

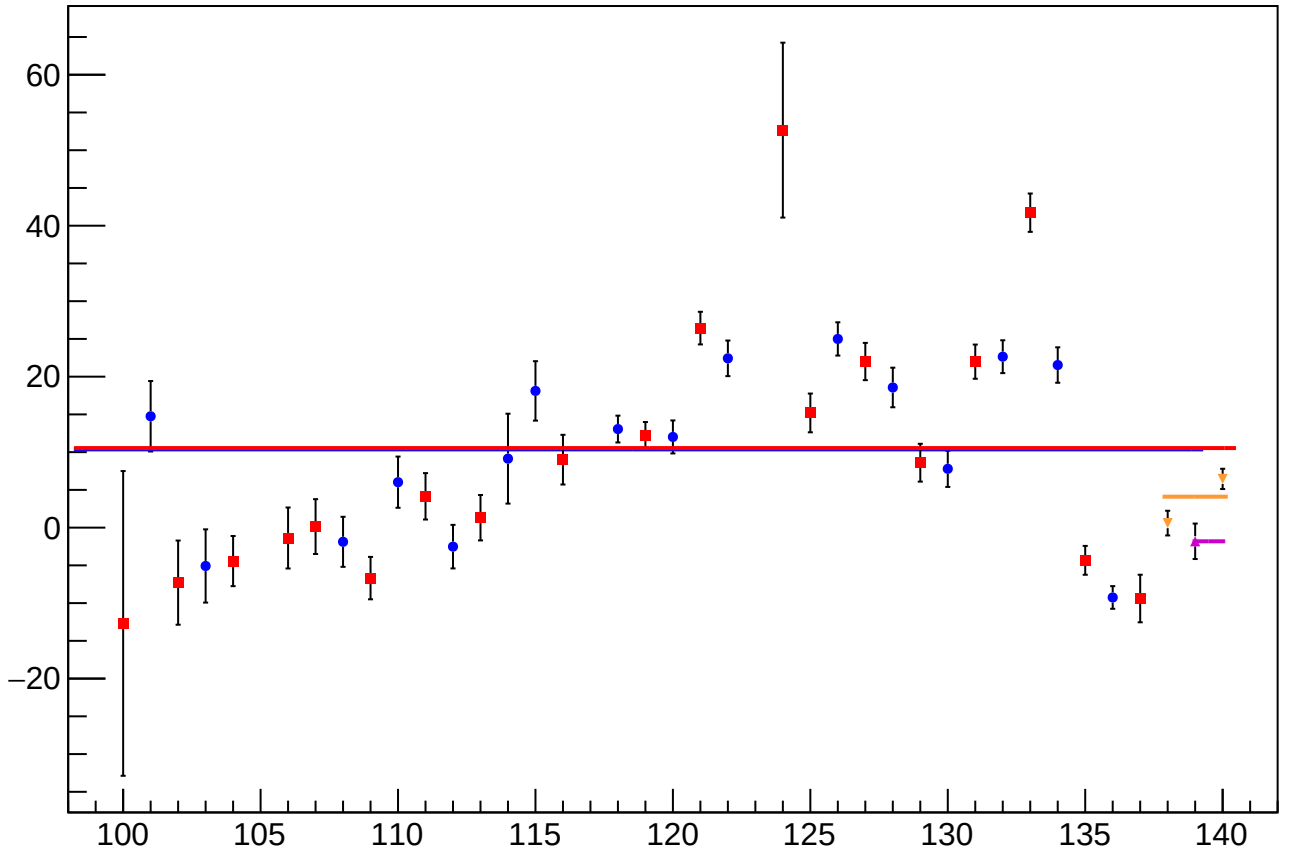
Left: 34.998+/-0.815 χ^2/NDF: 42.6/2

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 75.181+/-0.558 χ^2/NDF:3862.9/16

Out: 69.490+/-0.524 χ^2/NDF:5233.4/20

All: 72.160+/-0.382 χ^2/NDF: 9151.5/37



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 4.100+/-1.038 χ^2/NDF:7.7/1

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -1.811+/-2.348 χ^2/NDF:0.0/0

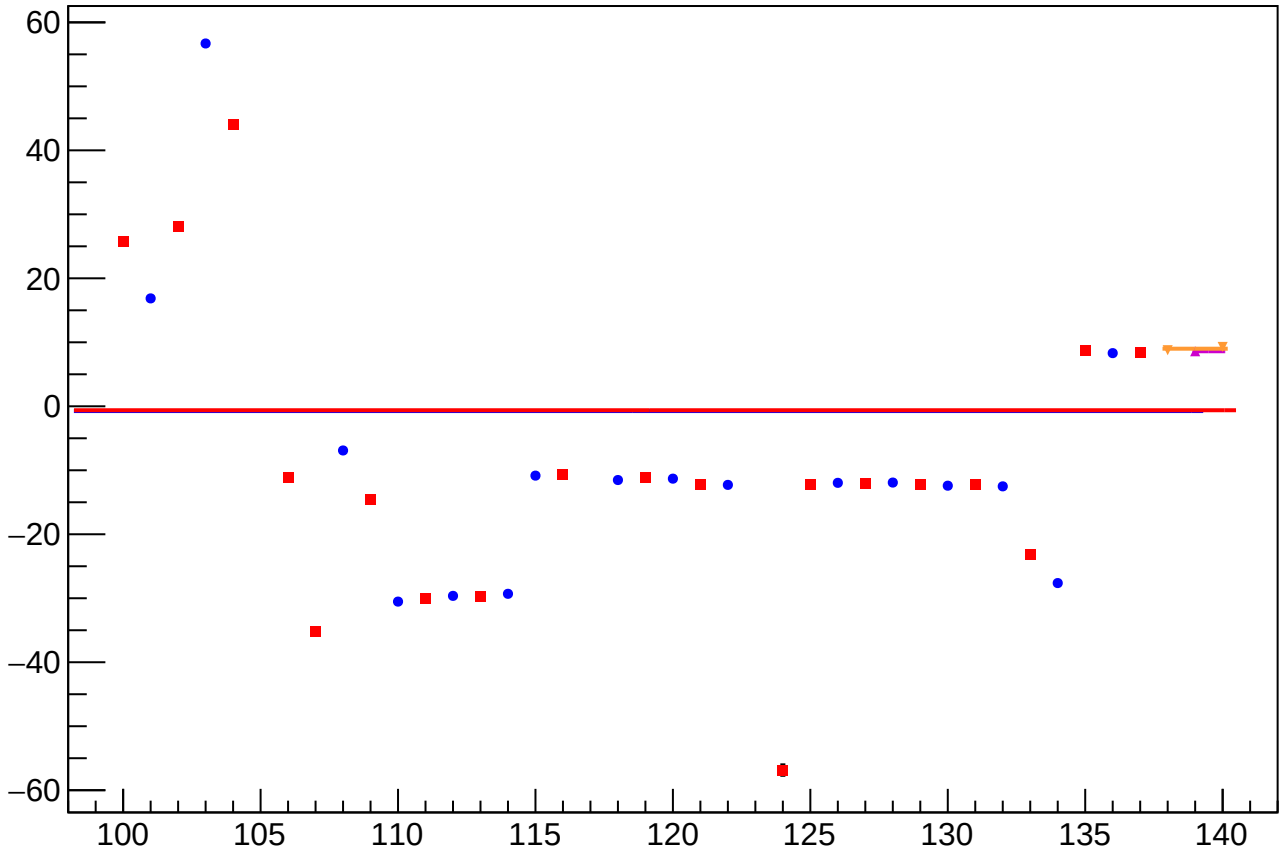
Left: 3.135+/-0.949 χ^2/NDF: 13.0/2

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 9.558+/-0.605 χ^2/NDF:384.9/16

Out: 8.764+/-0.545 χ^2/NDF:506.3/20

All: 9.119+/-0.405 χ^2/NDF: 892.1/37



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 9.000+/-0.042 χ^2/NDF:37.6/1

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.603+/-0.050 χ^2/NDF:0.0/0

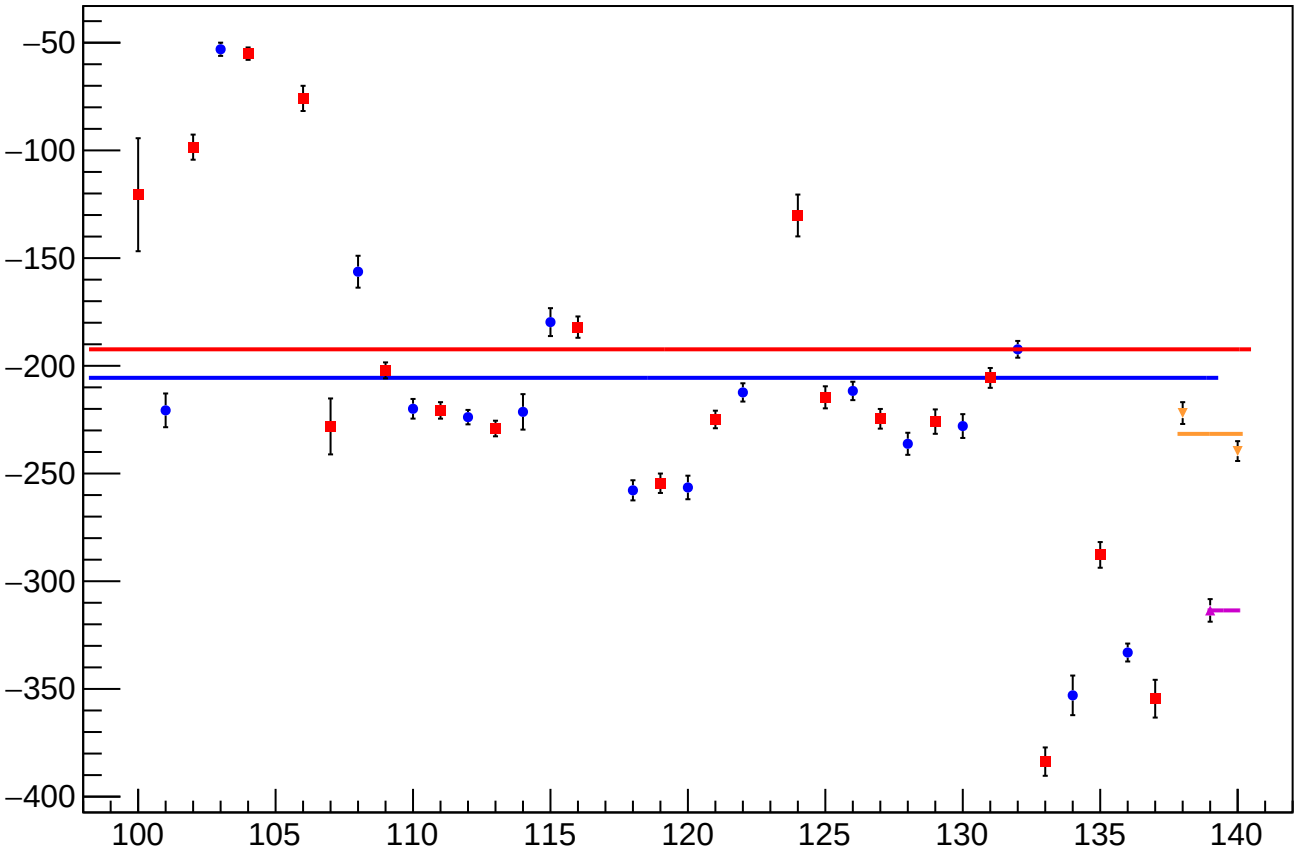
Left: 8.839+/-0.032 χ^2/NDF: 74.4/2

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 2.391+/-0.029 χ^2/NDF:390768.0/16

Out: 3.664+/-0.028 χ^2/NDF:346085.4/20

All: 3.060+/-0.020 χ^2/NDF: 737848.7/37



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -231.596+/-3.407 χ^2/NDF:6.6/1

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -313.544+/-5.244 χ^2/NDF:0.0/0

Left: -255.927+/-2.857 χ^2/NDF: 178.4/2

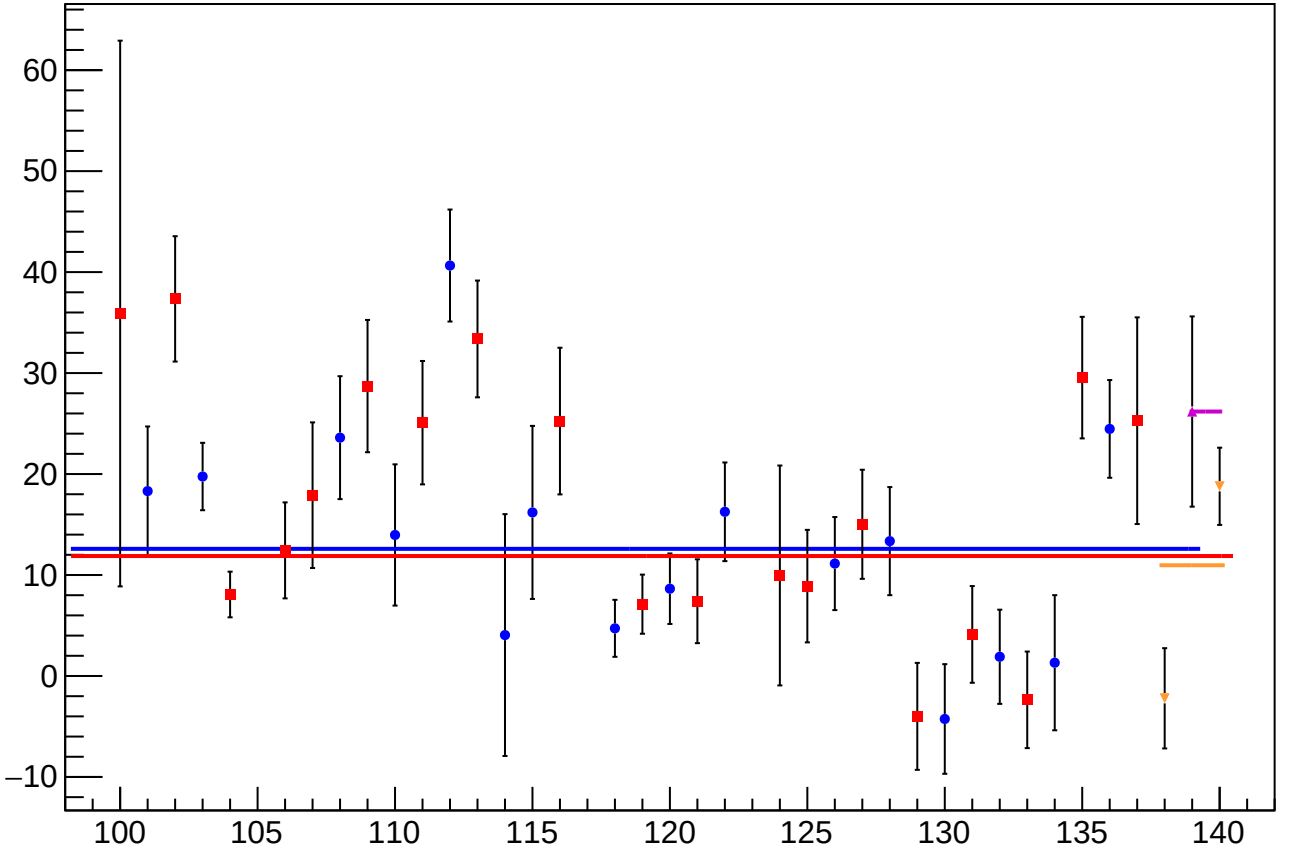
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -210.821+/-1.156 χ^2/NDF:4459.4/16

Out: -196.188+/-1.066 χ^2/NDF:5096.2/20

All: -202.916+/-0.784 χ^2/NDF: 9642.2/37

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 10.967+/-3.030 χ^2/NDF:11.2/1

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 26.190+/-9.421 χ^2/NDF:0.0/0

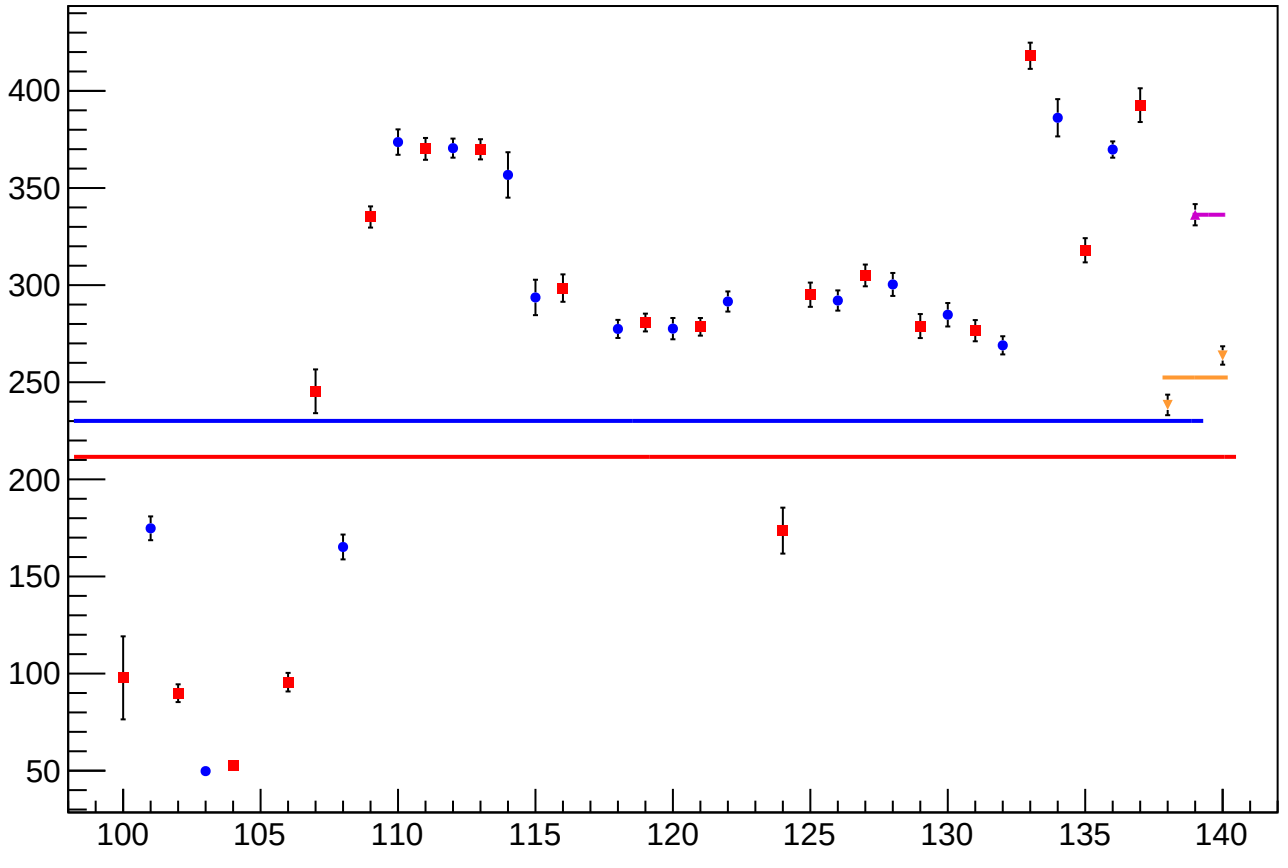
Left: 12.394+/-2.884 χ^2/NDF: 13.6/2

Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 12.811+/-1.193 χ^2/NDF:70.5/16

Out: 11.770+/-1.052 χ^2/NDF:96.2/20

All: 12.225+/-0.789 χ^2/NDF: 167.2/37



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 252.447+/-3.526 χ^2/NDF:12.9/1

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 336.245+/-5.468 χ^2/NDF:0.0/0

Left: 277.063+/-2.964 χ^2/NDF: 178.7/2

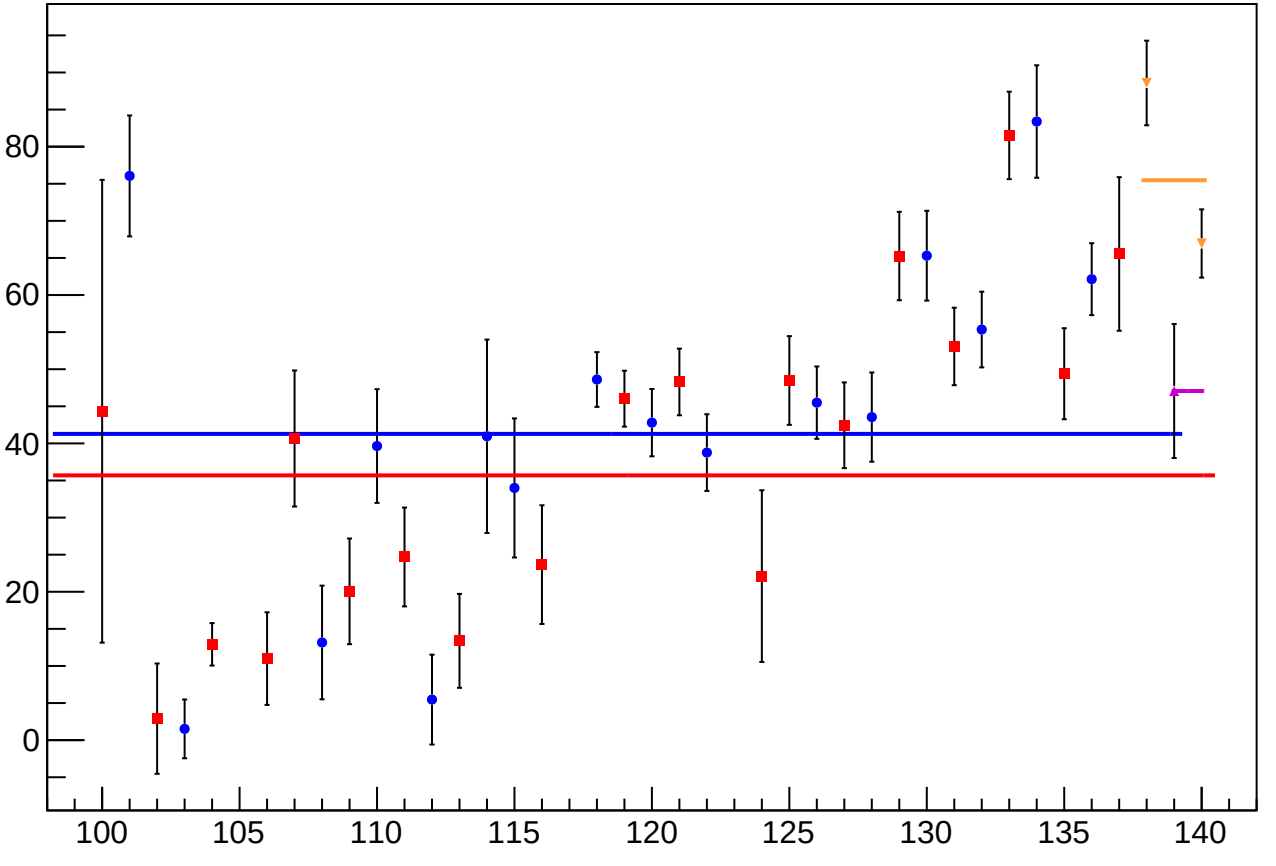
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 235.444+/-1.227 χ^2/NDF:9733.5/16

Out: 215.799+/-1.132 χ^2/NDF:11605.4/20

All: 224.828+/-0.832 χ^2/NDF: 21477.4/37

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 75.478+/-3.580 χ^2/NDF:8.7/1

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 47.064+/-9.032 χ^2/NDF:0.0/0

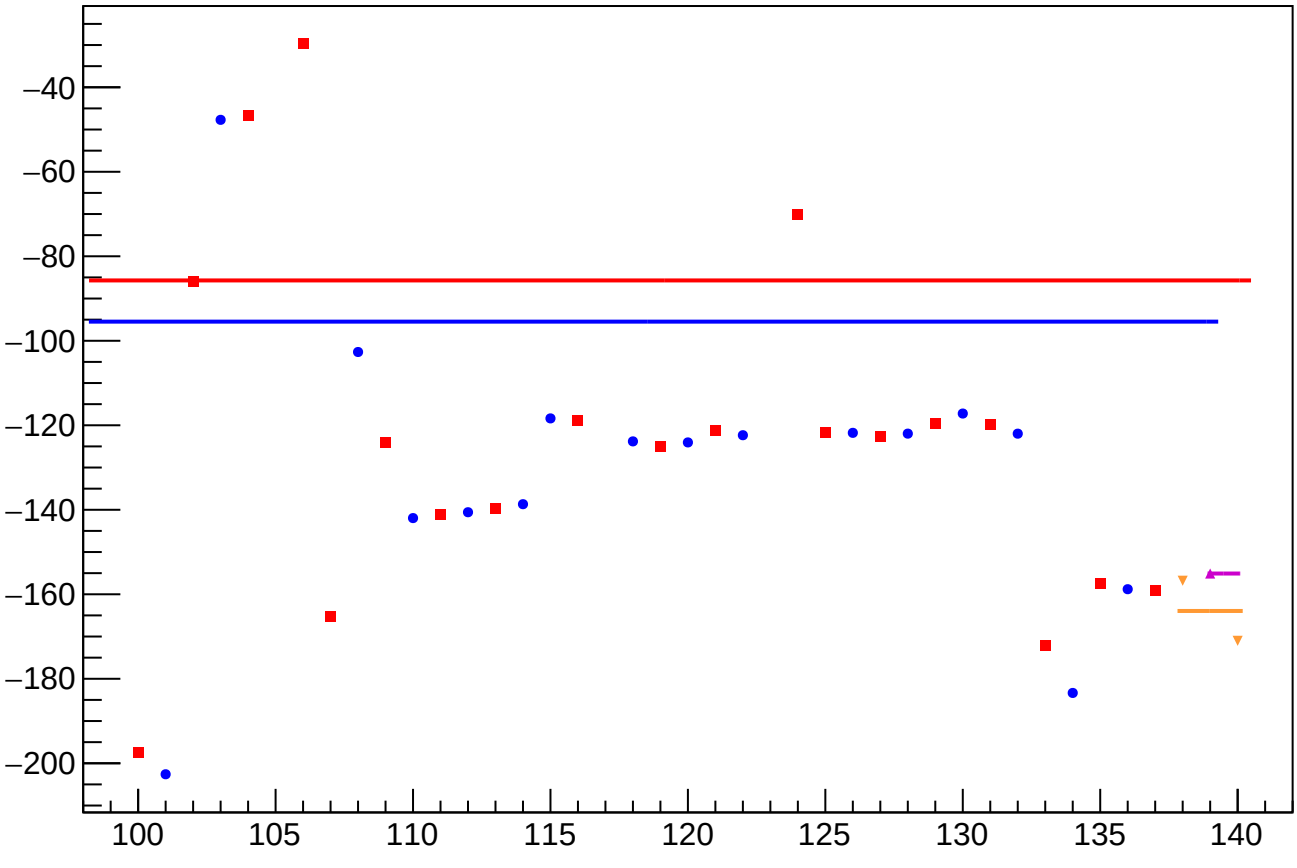
Left: 71.620+/-3.328 χ^2/NDF: 17.3/2

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 41.417+/-1.381 χ^2/NDF:246.2/16

Out: 40.435+/-1.236 χ^2/NDF:370.7/20

All: 40.872+/-0.921 χ^2/NDF: 617.2/37



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -163.949+/-0.150 χ^2/NDF:2248.2/1

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -155.090+/-0.195 χ^2/NDF:0.0/0

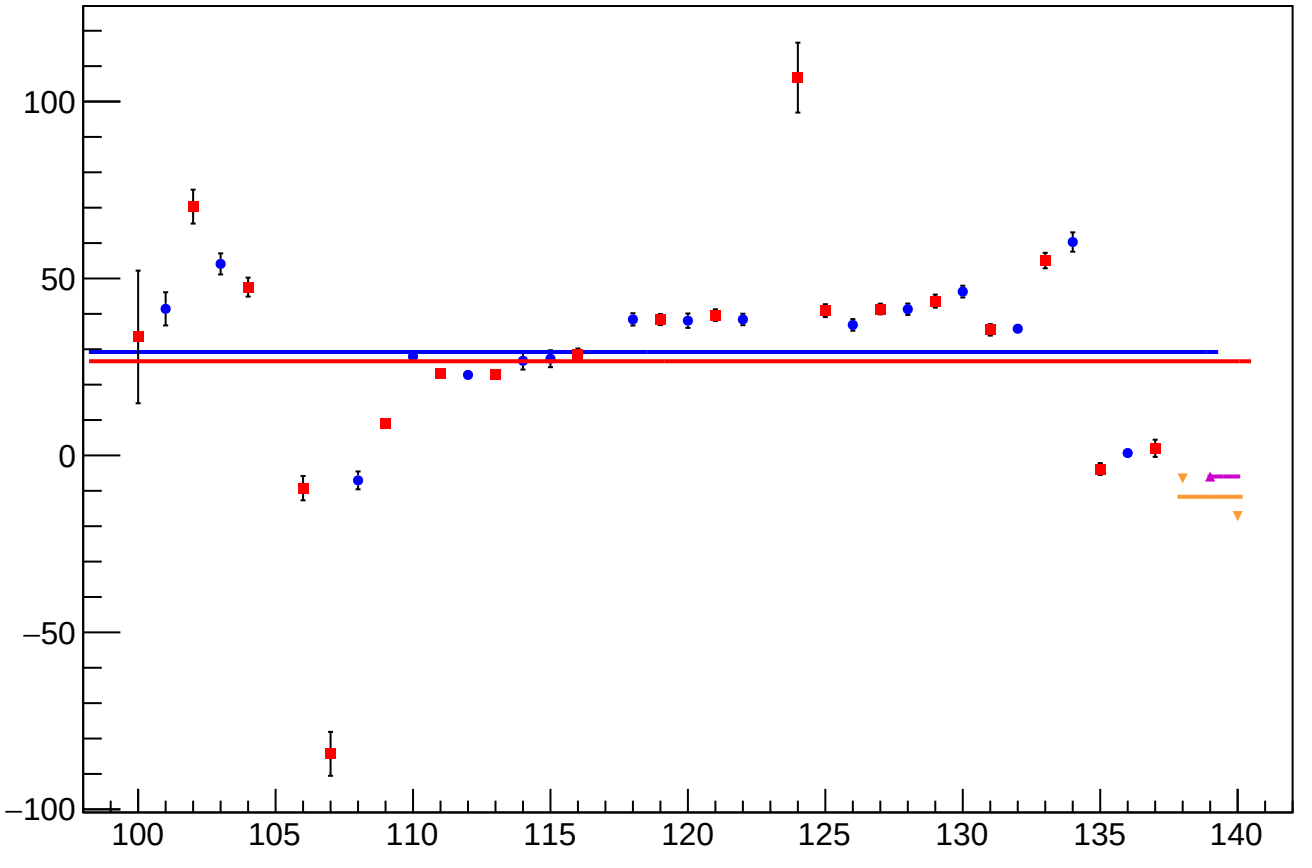
Left: -160.650+/-0.119 χ^2/NDF: 3548.1/2

Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -102.201+/-0.065 χ^2/NDF:603179.6/16

Out: -98.719+/-0.061 χ^2/NDF:711800.2/20

All: -100.342+/-0.045 χ^2/NDF: 1316492.6/37



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.694+/-0.899 χ^2/NDF:34.9/1

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -5.958+/-1.226 χ^2/NDF:0.0/0

Left: -9.686+/-0.725 χ^2/NDF: 49.2/2

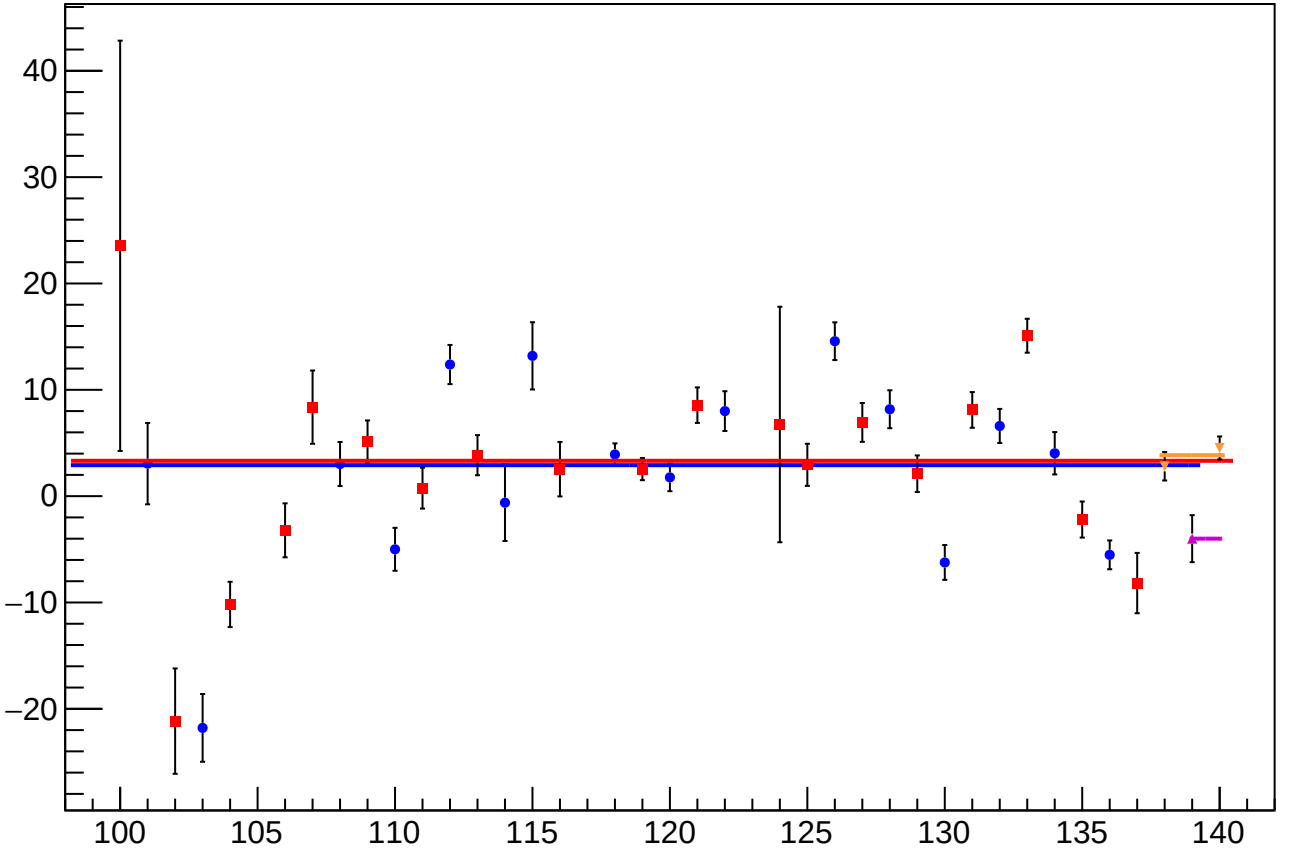
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 25.463+/-0.401 χ^2/NDF:2079.0/16

Out: 19.910+/-0.376 χ^2/NDF:3451.8/20

All: 22.510+/-0.274 χ^2/NDF: 5632.9/37

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 3.852+/-0.840 χ^2/NDF:1.0/1

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: -3.998+/-2.209 χ^2/NDF:0.0/0

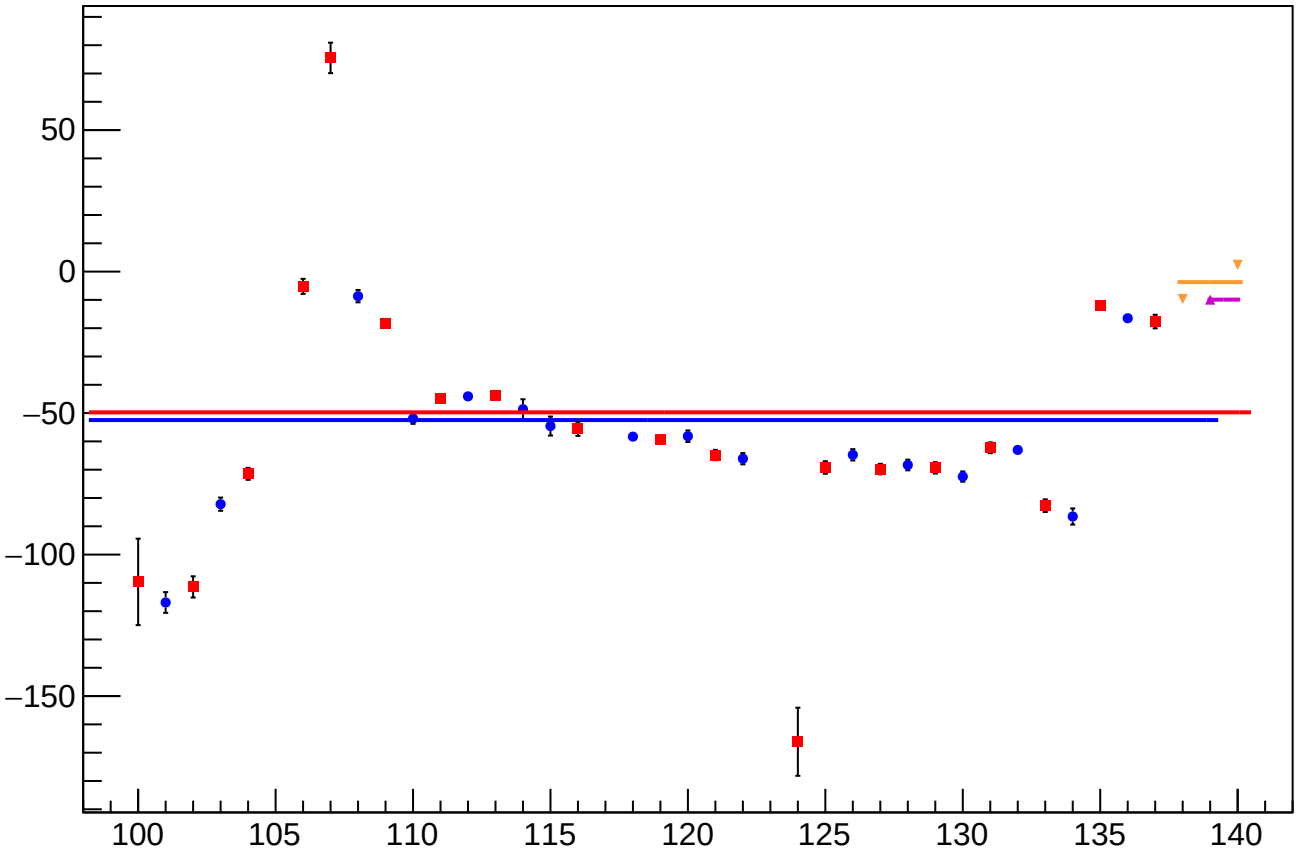
Left: 2.860+/-0.785 χ^2/NDF: 12.0/2

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.646+/-0.434 χ^2/NDF:259.4/16

Out: 3.444+/-0.399 χ^2/NDF:183.1/20

All: 3.078+/-0.294 χ^2/NDF: 444.3/37



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -3.713+/-0.932 χ^2/NDF:42.0/1

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -9.901+/-1.277 χ^2/NDF:0.0/0

Left: -5.863+/-0.753 χ^2/NDF: 57.3/2

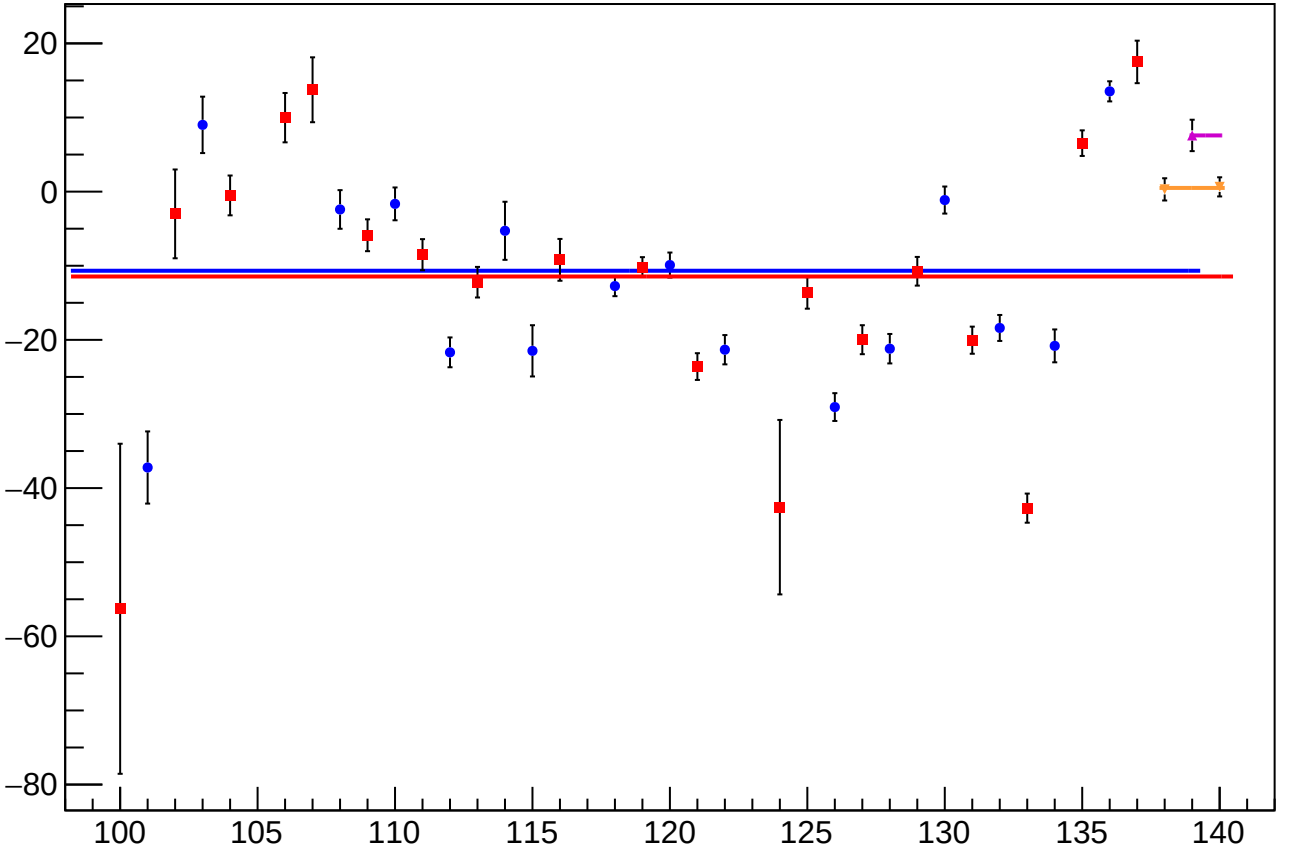
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -47.050+/-0.456 χ^2/NDF:3299.4/16

Out: -39.644+/-0.437 χ^2/NDF:4954.2/20

All: -43.188+/-0.315 χ^2/NDF: 8391.3/37

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.499+/-0.979 χ^2/NDF:0.0/1

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 7.583+/-2.118 χ^2/NDF:0.0/0

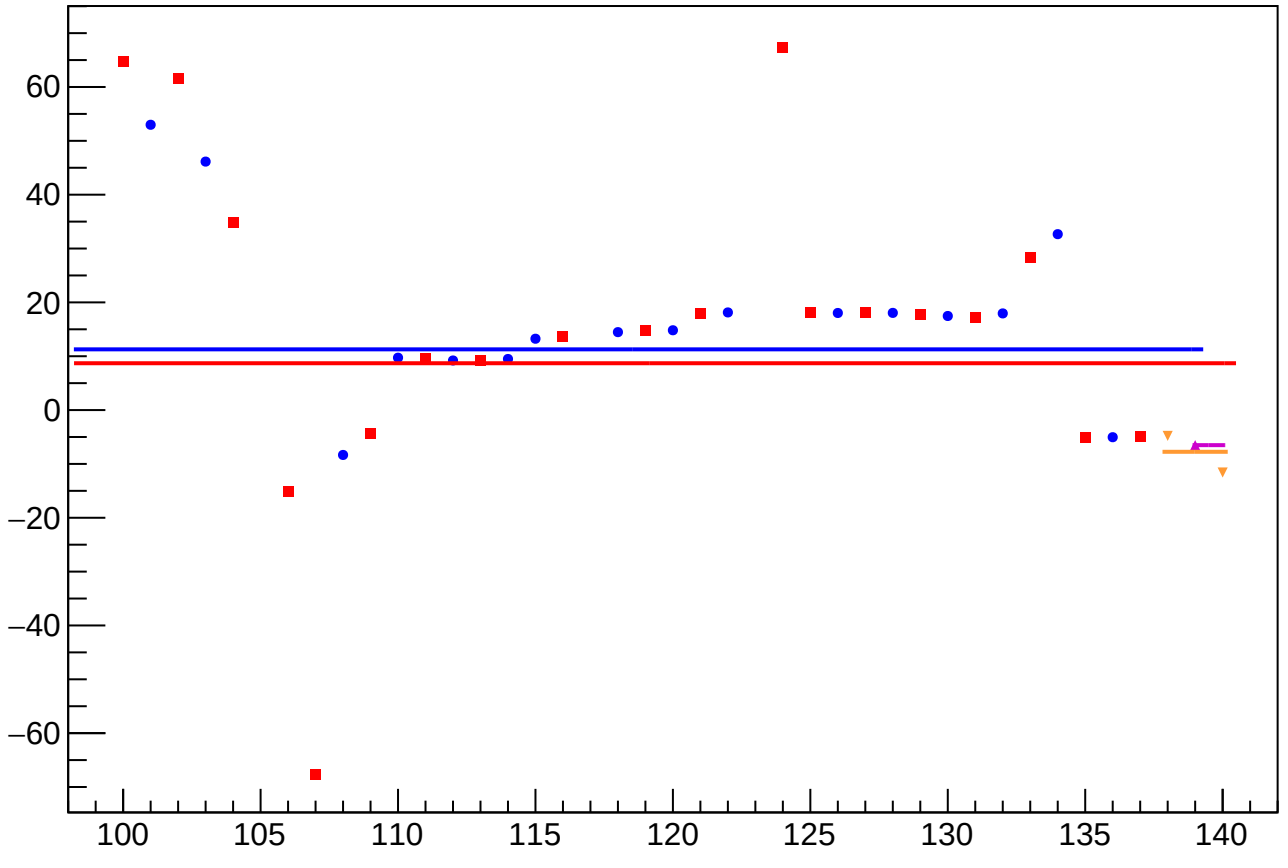
Left: 1.745+/-0.889 χ^2/NDF: 9.2/2

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -9.692+/-0.492 χ^2/NDF:736.7/16

Out: -8.851+/-0.457 χ^2/NDF:782.4/20

All: -9.240+/-0.335 χ^2/NDF: 1520.6/37



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.749+/-0.039 χ^2/NDF:7587.5/1

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.514+/-0.046 χ^2/NDF:0.0/0

Left: -7.232+/-0.029 χ^2/NDF: 8014.4/2

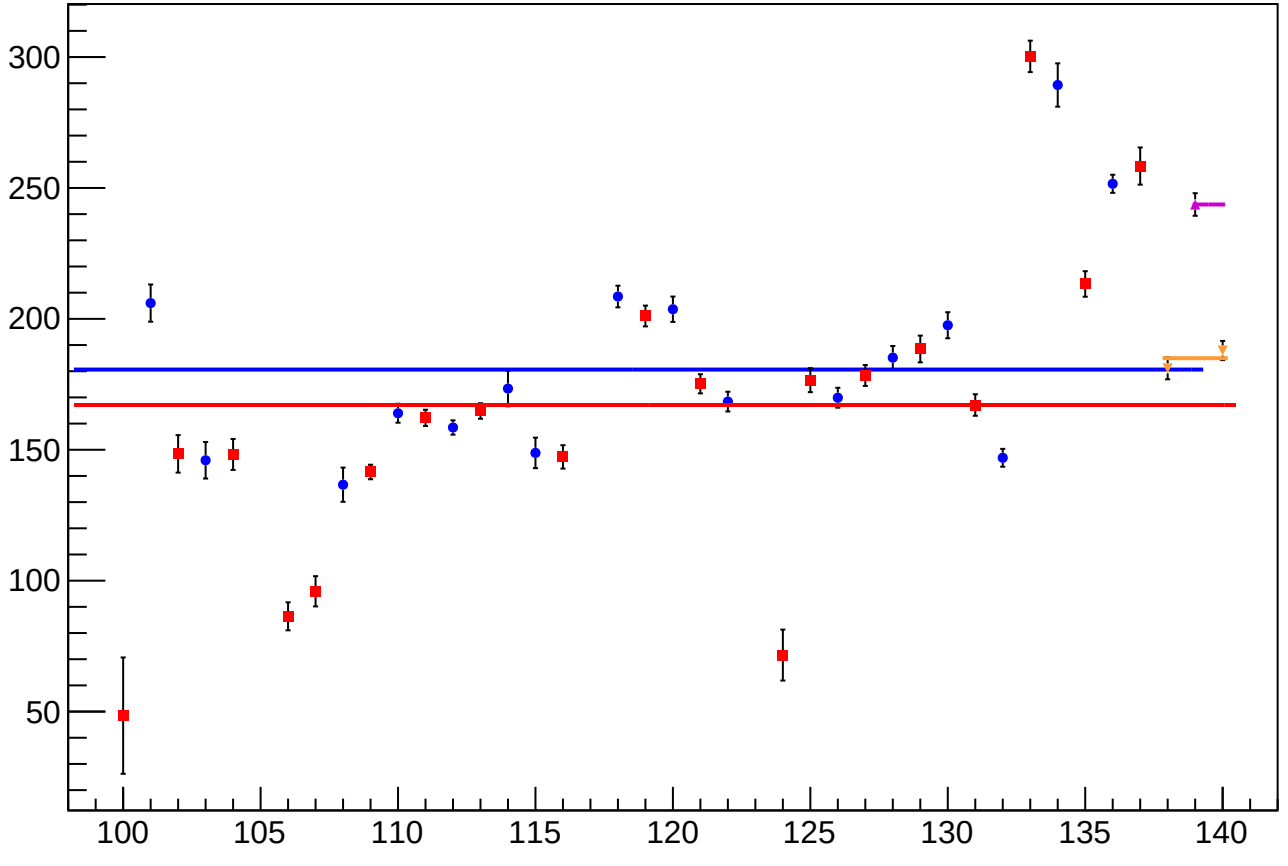
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: 5.917+/-0.025 χ^2/NDF:455843.8/16

Out: 2.161+/-0.024 χ^2/NDF:552640.1/20

All: 3.992+/-0.017 χ^2/NDF: 1020045.0/37

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 184.978+/-2.763 χ^2/NDF:1.5/1

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 243.683+/-4.310 χ^2/NDF:0.0/0

Left: 202.077+/-2.326 χ^2/NDF: 133.0/2

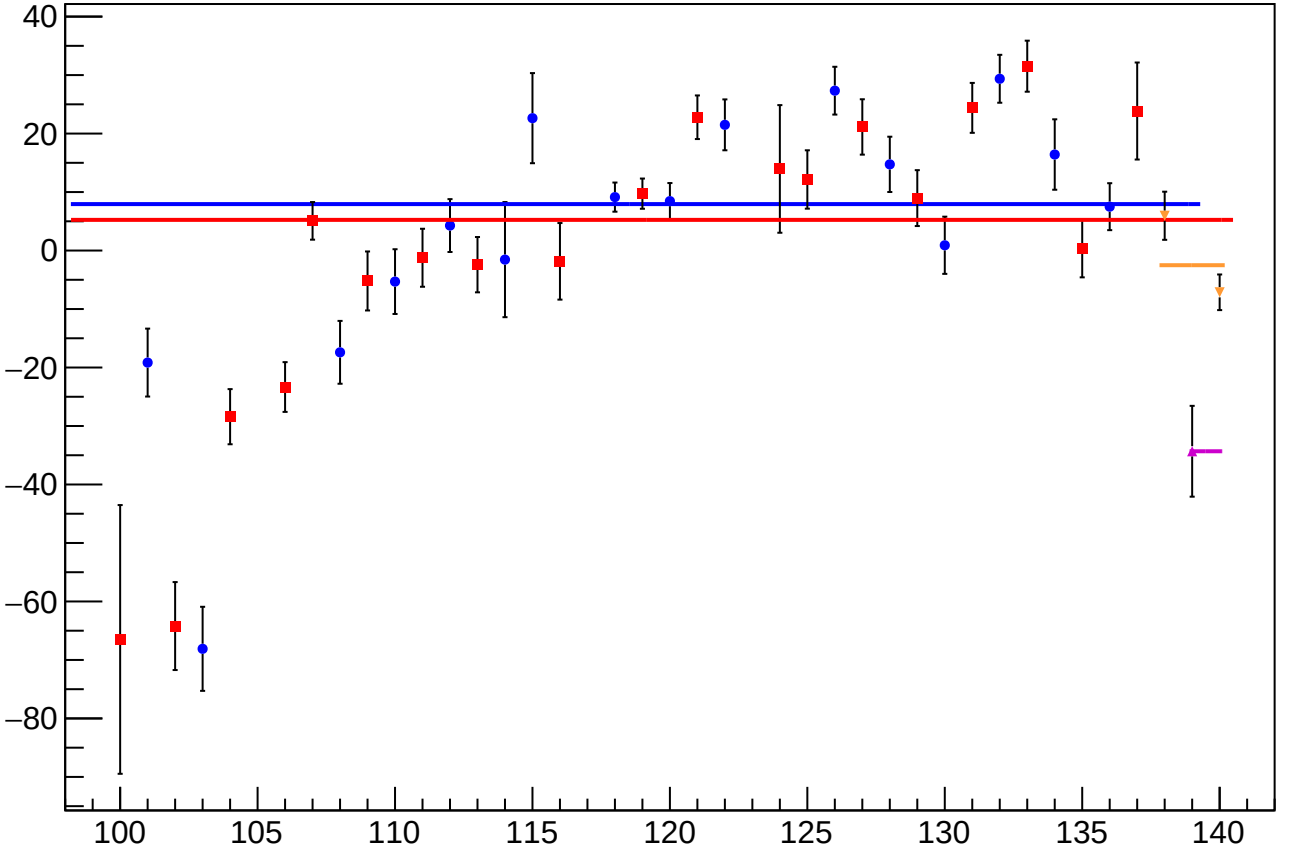
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 184.422+/-1.056 χ^2/NDF:1194.5/16

Out: 169.248+/-0.958 χ^2/NDF:1522.9/20

All: 176.092+/-0.709 χ^2/NDF: 2830.7/37

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.506+/-2.448 χ^2/NDF:6.5/1

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -34.319+/-7.765 χ^2/NDF:0.0/0

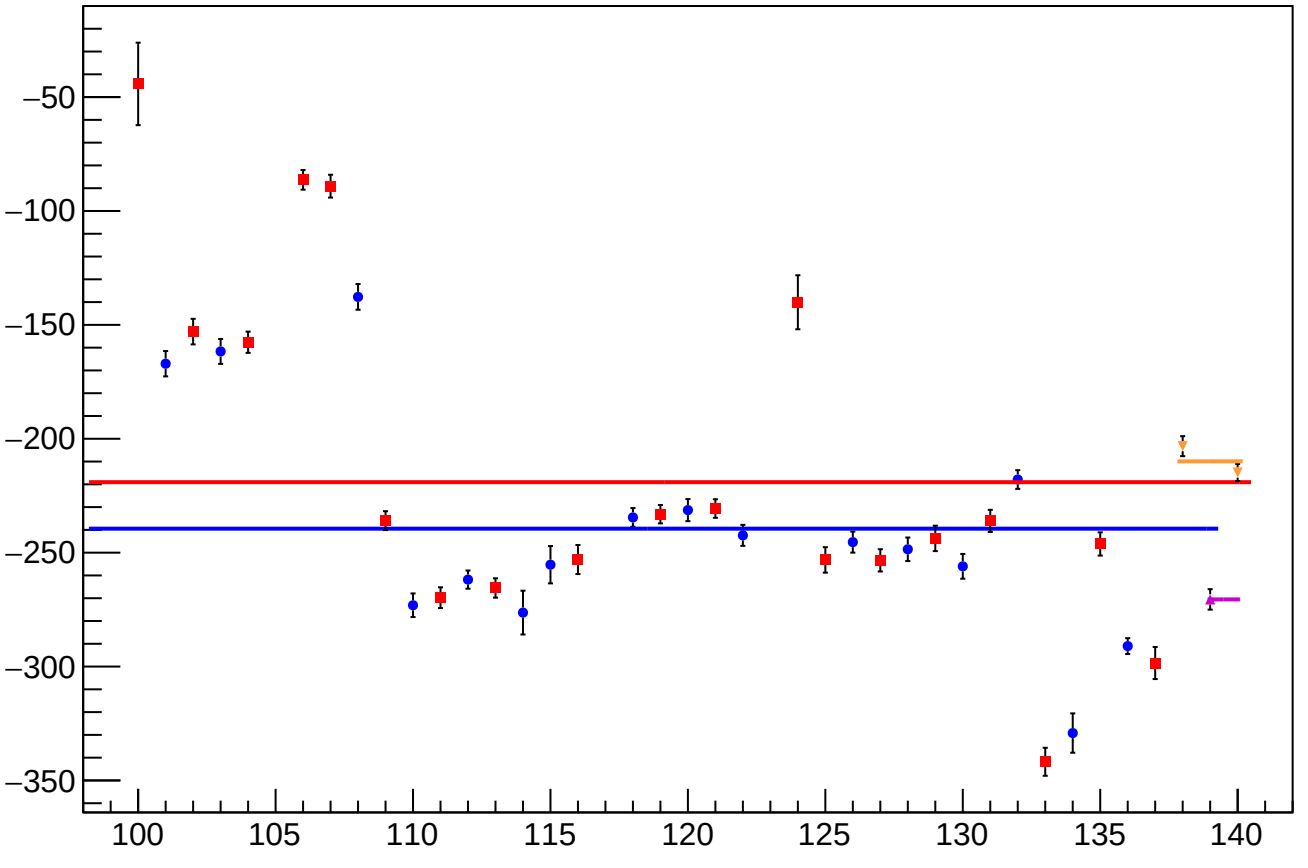
Left: -5.382+/-2.335 χ^2/NDF: 21.8/2

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 7.091+/-1.102 χ^2/NDF:261.9/16

Out: 4.016+/-0.974 χ^2/NDF:317.9/20

All: 5.365+/-0.730 χ^2/NDF: 584.2/37



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -209.912+/-2.859 χ^2/NDF:4.0/1

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -270.522+/-4.493 χ^2/NDF:0.0/0

Left: -227.382+/-2.412 χ^2/NDF: 133.6/2

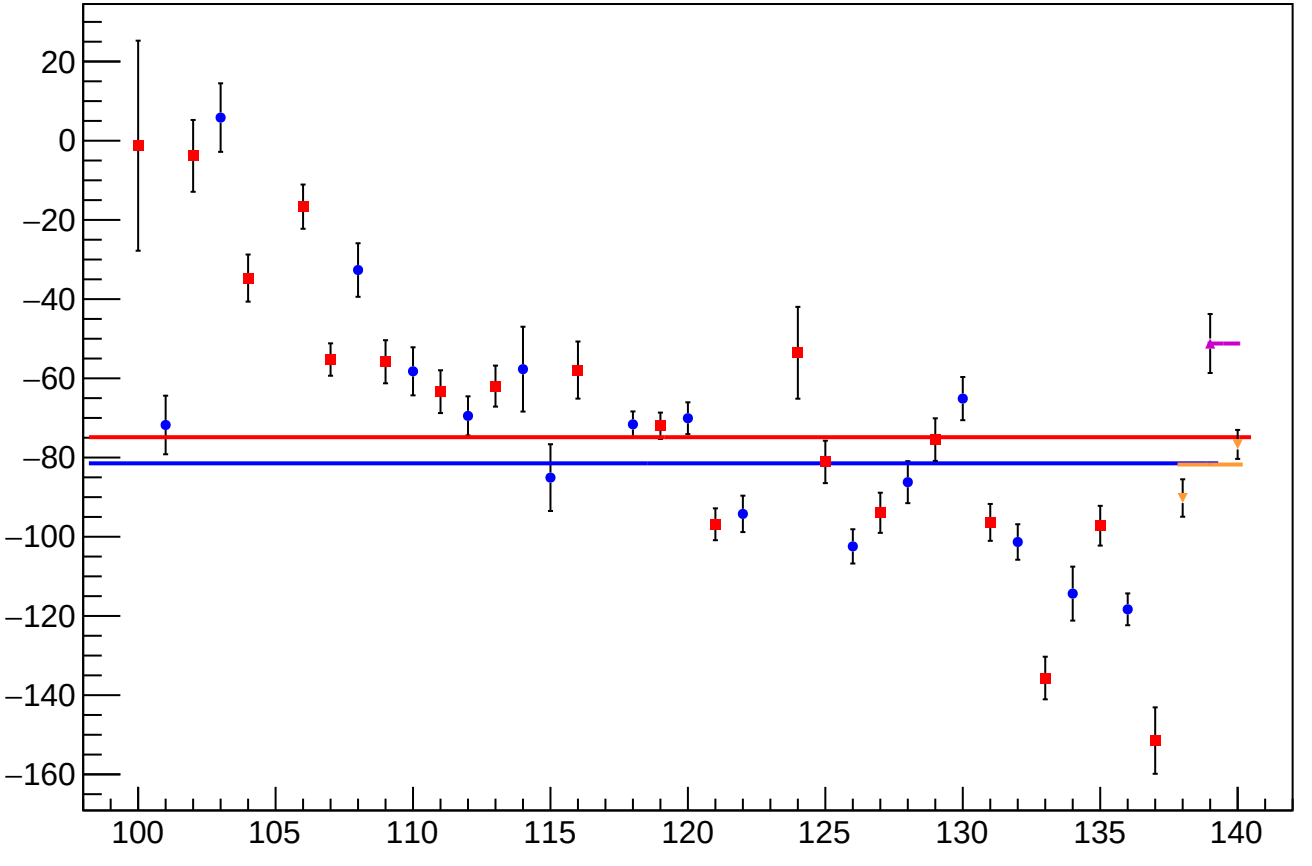
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.685+/-1.200 χ^2/NDF:1206.6/16

Out: -217.729+/-1.088 χ^2/NDF:3062.0/20

All: -228.534+/-0.806 χ^2/NDF: 4487.4/37

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -81.762+/-2.895 χ^2/NDF:5.1/1

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -51.209+/-7.446 χ^2/NDF:0.0/0

Left: -77.750+/-2.698 χ^2/NDF: 19.8/2

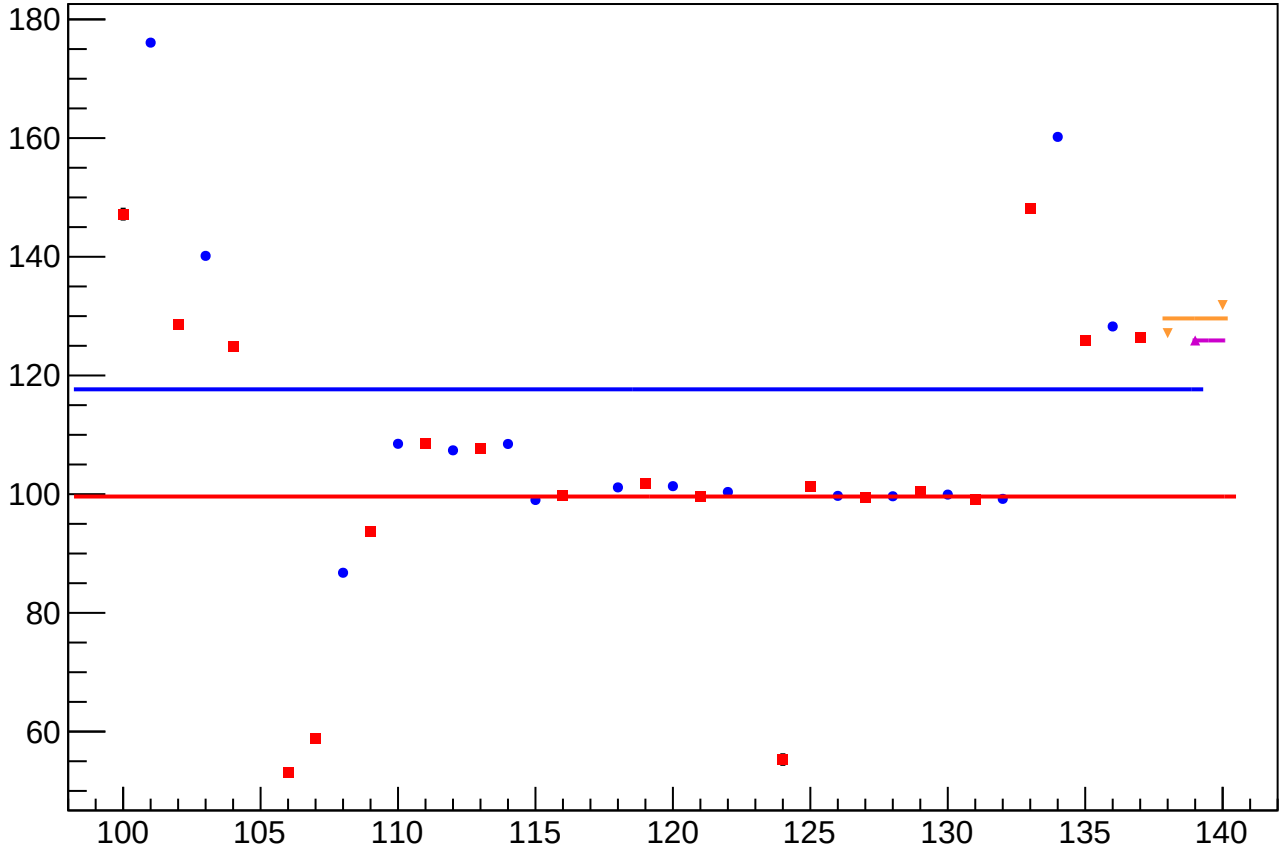
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -80.584+/-1.268 χ^2/NDF:382.5/16

Out: -75.916+/-1.132 χ^2/NDF:586.6/20

All: -77.987+/-0.845 χ^2/NDF: 976.6/37

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 129.612+/-0.122 χ^2/NDF:376.1/1

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.902+/-0.160 χ^2/NDF:0.0/0

Left: 128.256+/-0.097 χ^2/NDF: 715.2/2

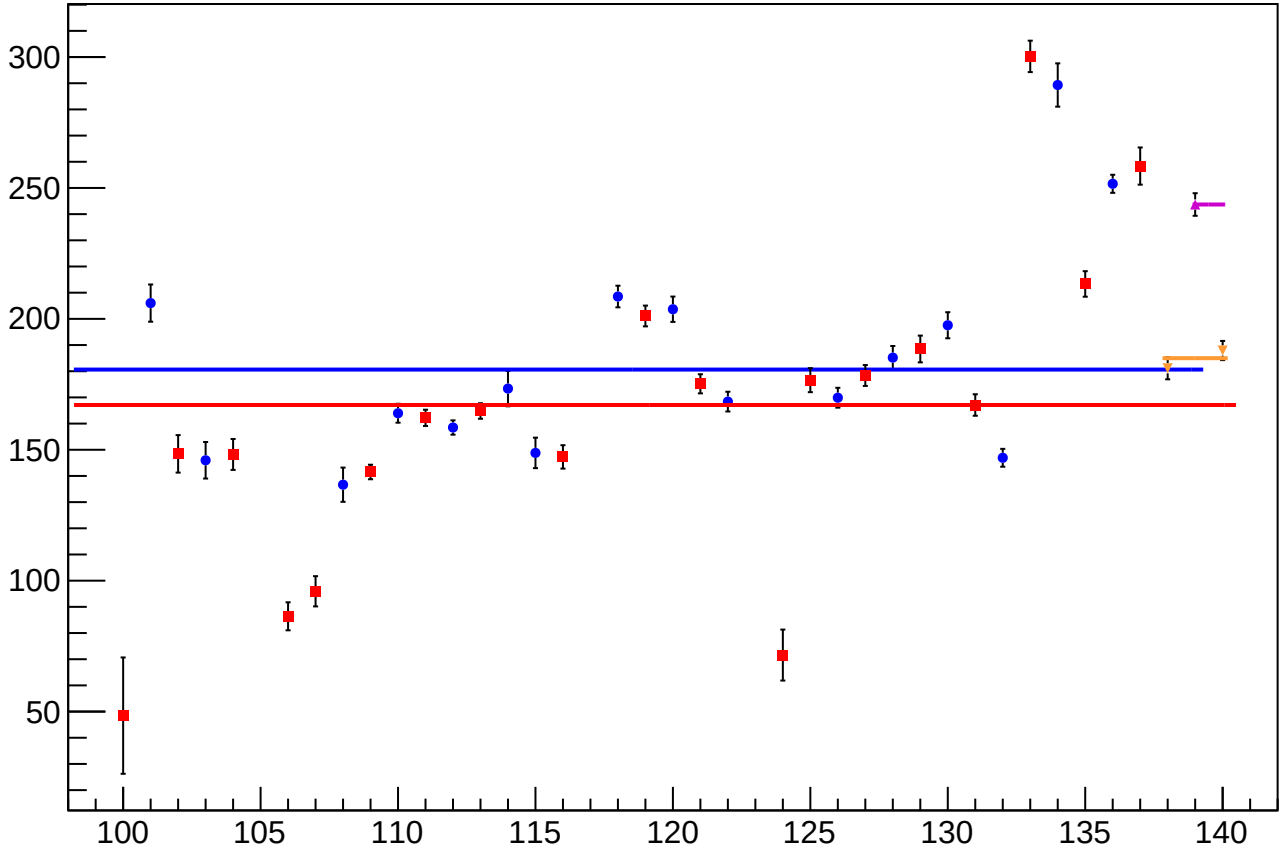
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 119.249+/-0.070 χ^2/NDF:97526.2/16

Out: 107.103+/-0.061 χ^2/NDF:212140.9/20

All: 112.306+/-0.046 χ^2/NDF: 326712.8/37

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 184.978+/-2.763 χ^2/NDF:1.5/1

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 243.683+/-4.310 χ^2/NDF:0.0/0

Left: 202.077+/-2.326 χ^2/NDF: 133.0/2

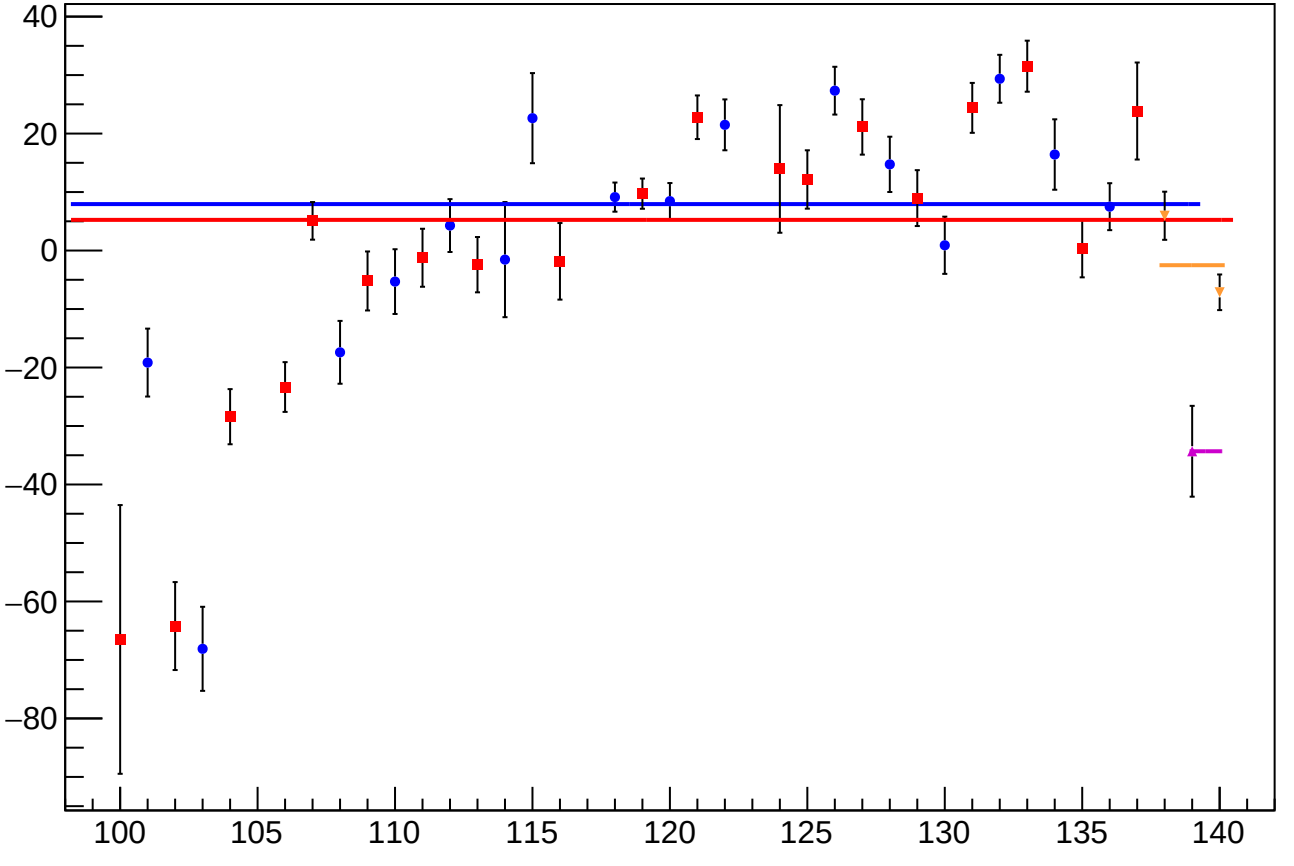
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 184.422+/-1.056 χ^2/NDF:1194.5/16

Out: 169.248+/-0.958 χ^2/NDF:1522.9/20

All: 176.092+/-0.709 χ^2/NDF: 2830.7/37

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: -2.506+/-2.448 χ^2/NDF:6.5/1

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -34.319+/-7.765 χ^2/NDF:0.0/0

Left: -5.382+/-2.335 χ^2/NDF: 21.8/2

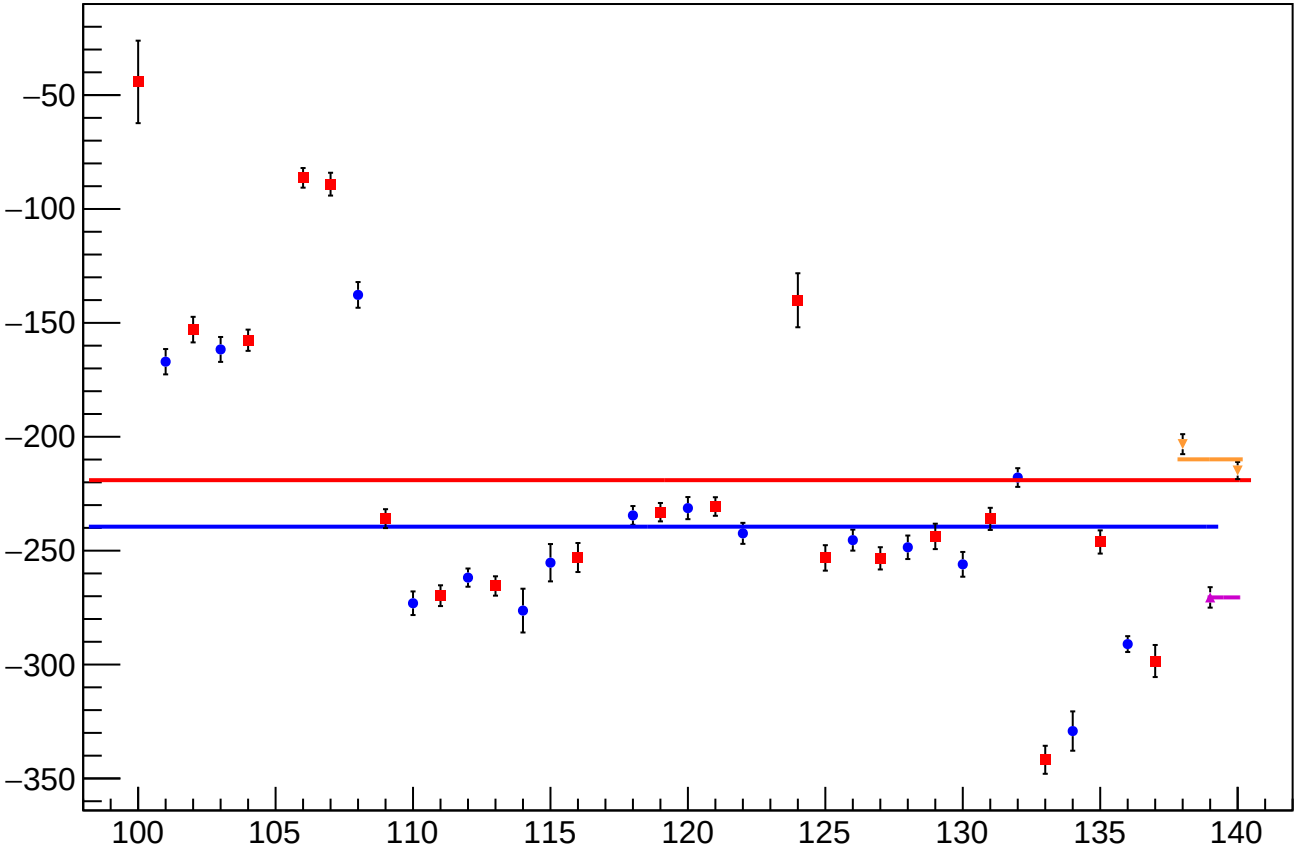
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 7.091+/-1.102 χ^2/NDF:261.9/16

Out: 4.016+/-0.974 χ^2/NDF:317.9/20

All: 5.365+/-0.730 χ^2/NDF: 584.2/37

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -209.912+/-2.859 χ^2/NDF:4.0/1

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -270.522+/-4.493 χ^2/NDF:0.0/0

Left: -227.382+/-2.412 χ^2/NDF: 133.6/2

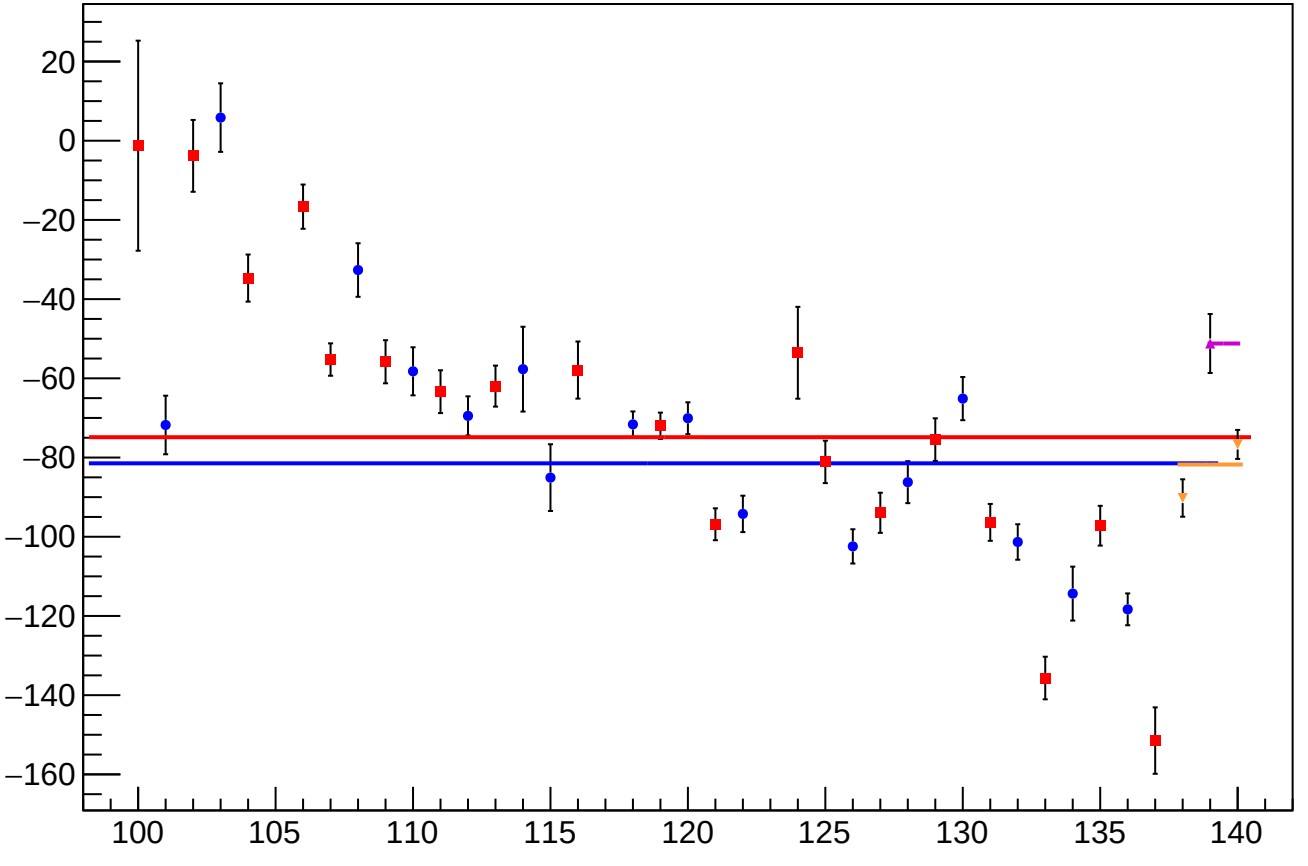
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.685+/-1.200 χ^2/NDF:1206.6/16

Out: -217.729+/-1.088 χ^2/NDF:3062.0/20

All: -228.534+/-0.806 χ^2/NDF: 4487.4/37

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -81.762+/-2.895 χ^2/NDF:5.1/1

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -51.209+/-7.446 χ^2/NDF:0.0/0

Left: -77.750+/-2.698 χ^2/NDF: 19.8/2

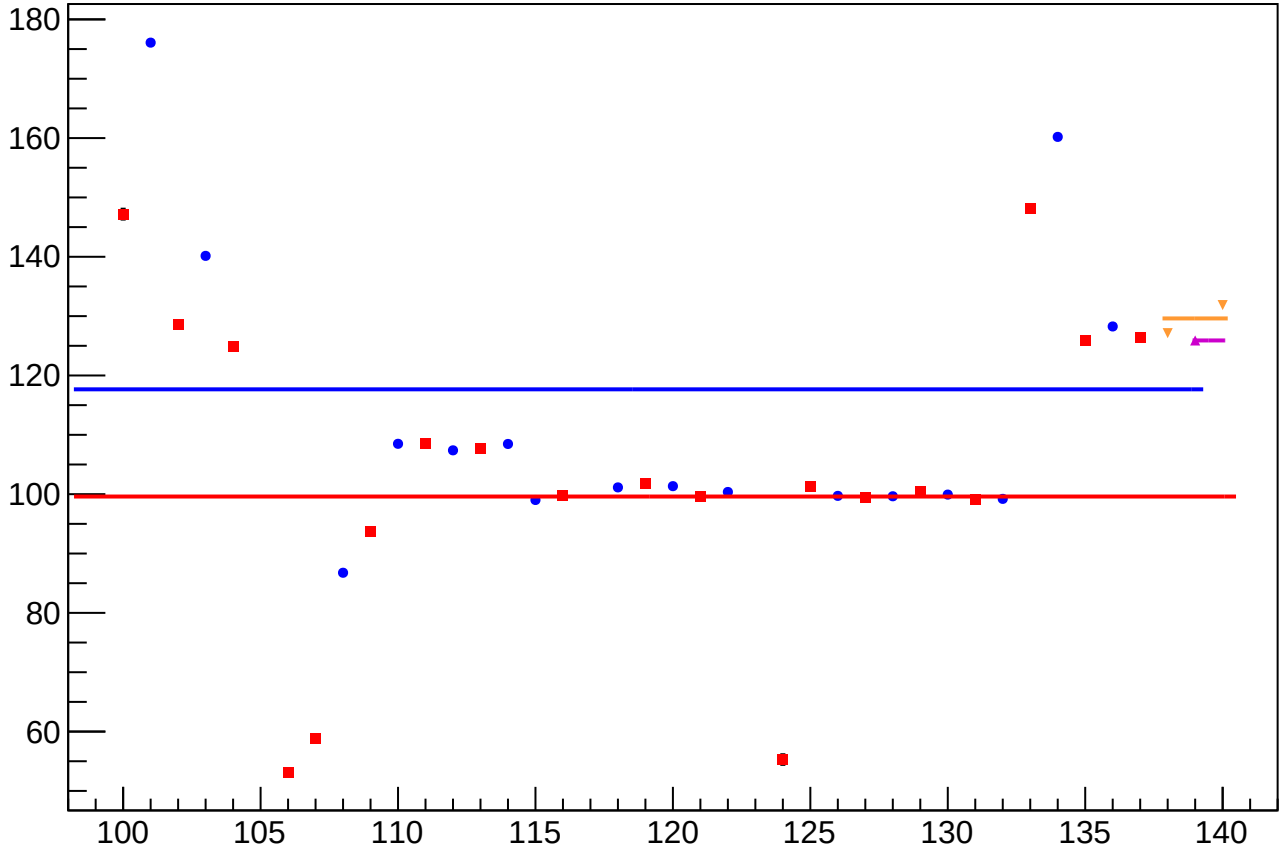
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -80.584+/-1.268 χ^2/NDF:382.5/16

Out: -75.916+/-1.132 χ^2/NDF:586.6/20

All: -77.987+/-0.845 χ^2/NDF: 976.6/37

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 129.612+/-0.122 χ^2/NDF:376.1/1

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.902+/-0.160 χ^2/NDF:0.0/0

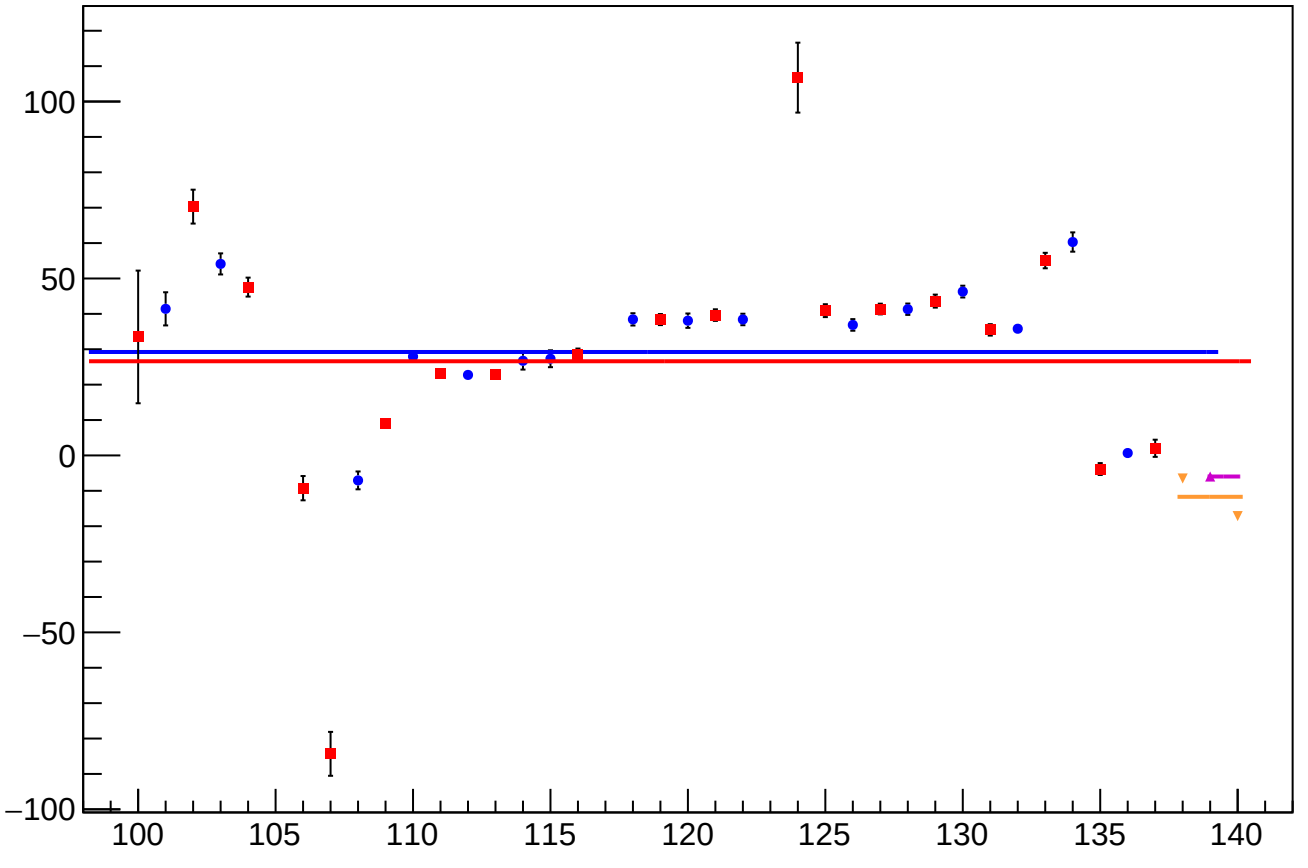
Left: 128.256+/-0.097 χ^2/NDF: 715.2/2

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 119.249+/-0.070 χ^2/NDF:97526.2/16

Out: 107.103+/-0.061 χ^2/NDF:212140.9/20

All: 112.306+/-0.046 χ^2/NDF: 326712.8/37



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.694+/-0.899 χ^2/NDF:34.9/1

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -5.958+/-1.226 χ^2/NDF:0.0/0

Left: -9.686+/-0.725 χ^2/NDF: 49.2/2

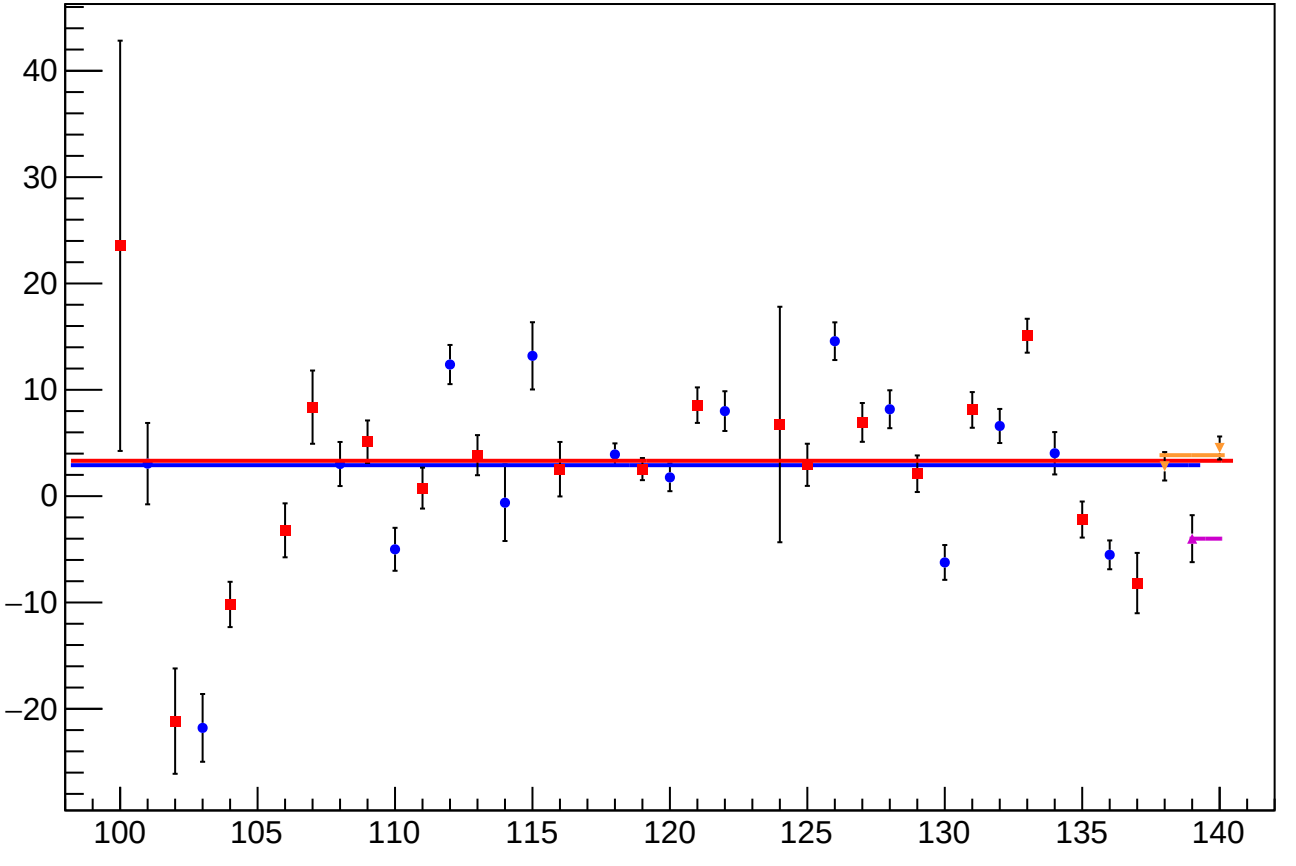
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 25.463+/-0.401 χ^2/NDF:2079.0/16

Out: 19.910+/-0.376 χ^2/NDF:3451.8/20

All: 22.510+/-0.274 χ^2/NDF: 5632.9/37

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 3.852+/-0.840 χ^2/NDF:1.0/1

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: -3.998+/-2.209 χ^2/NDF:0.0/0

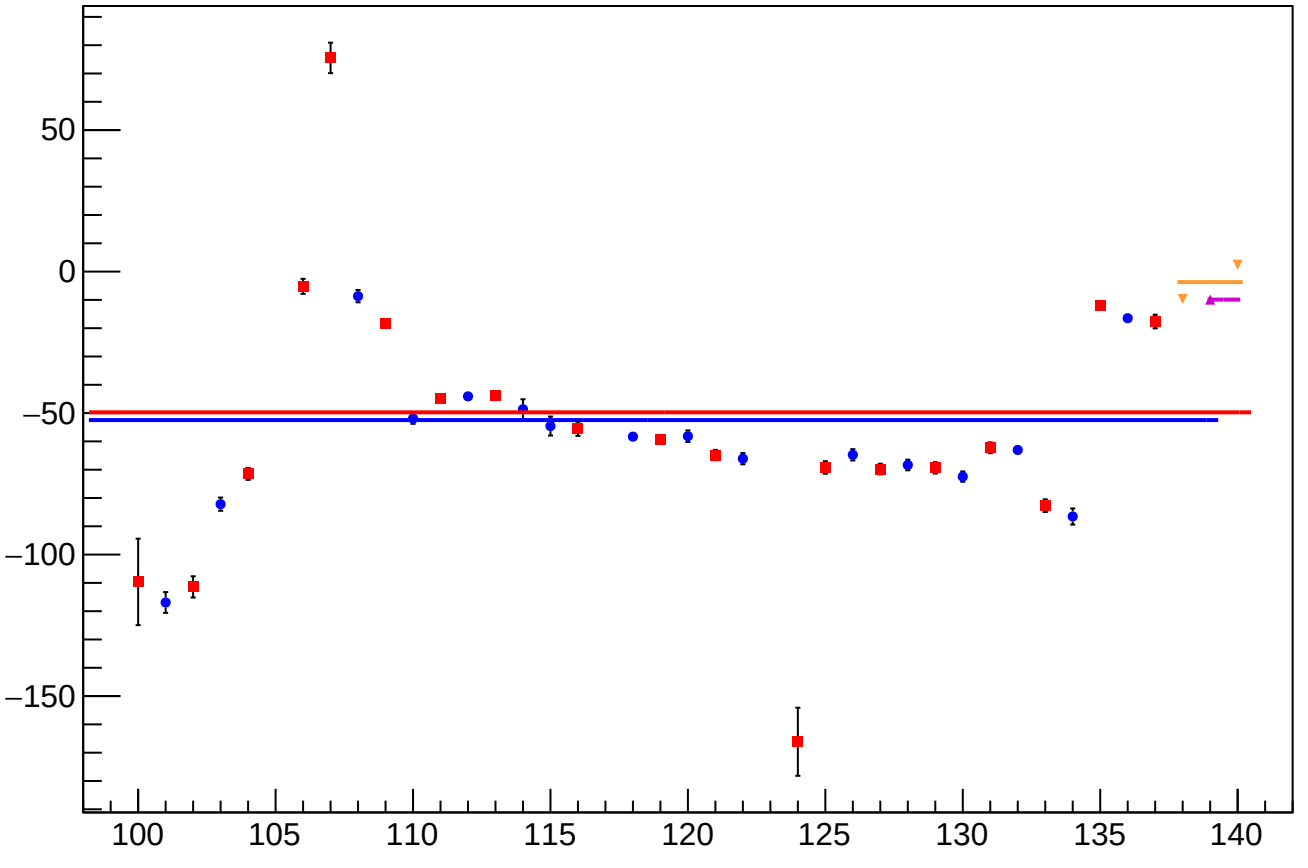
Left: 2.860+/-0.785 χ^2/NDF: 12.0/2

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.646+/-0.434 χ^2/NDF:259.4/16

Out: 3.444+/-0.399 χ^2/NDF:183.1/20

All: 3.078+/-0.294 χ^2/NDF: 444.3/37



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -3.713+/-0.932 χ^2/NDF:42.0/1

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -9.901+/-1.277 χ^2/NDF:0.0/0

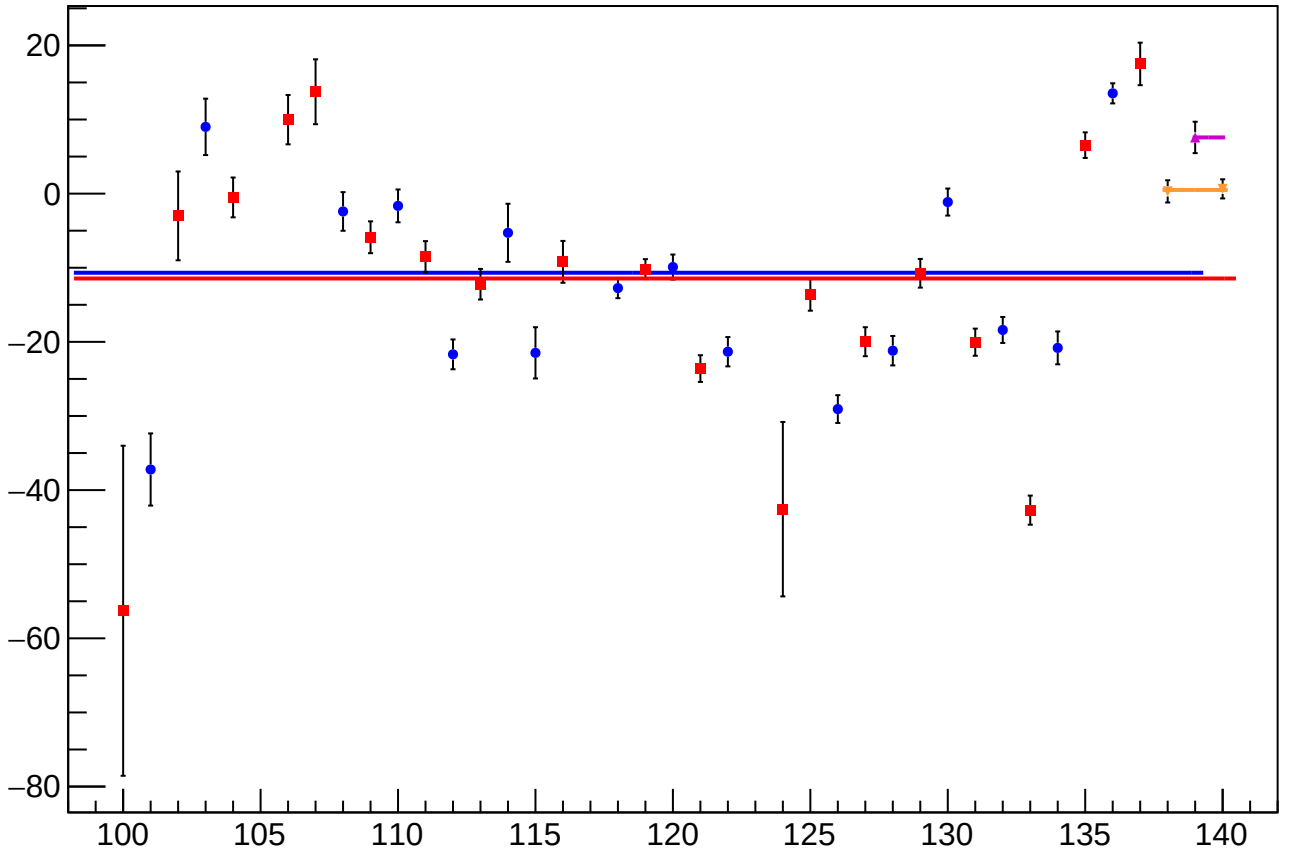
Left: -5.863+/-0.753 χ^2/NDF: 57.3/2

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -47.050+/-0.456 χ^2/NDF:3299.4/16

Out: -39.644+/-0.437 χ^2/NDF:4954.2/20

All: -43.188+/-0.315 χ^2/NDF: 8391.3/37



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.499+/-0.979 χ^2/NDF:0.0/1

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 7.583+/-2.118 χ^2/NDF:0.0/0

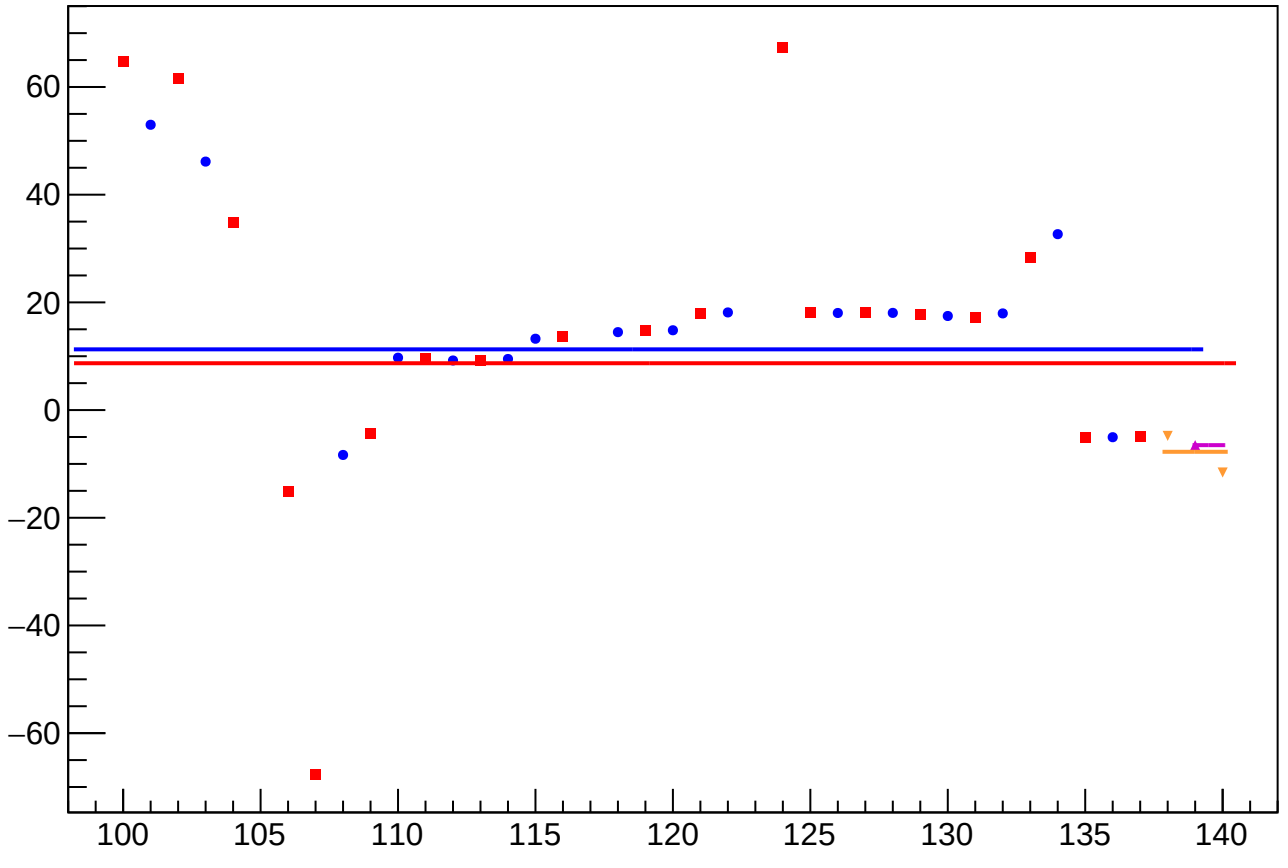
Left: 1.745+/-0.889 χ^2/NDF: 9.2/2

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -9.692+/-0.492 χ^2/NDF:736.7/16

Out: -8.851+/-0.457 χ^2/NDF:782.4/20

All: -9.240+/-0.335 χ^2/NDF: 1520.6/37



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.749+/-0.039 χ^2/NDF:7587.5/1

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.514+/-0.046 χ^2/NDF:0.0/0

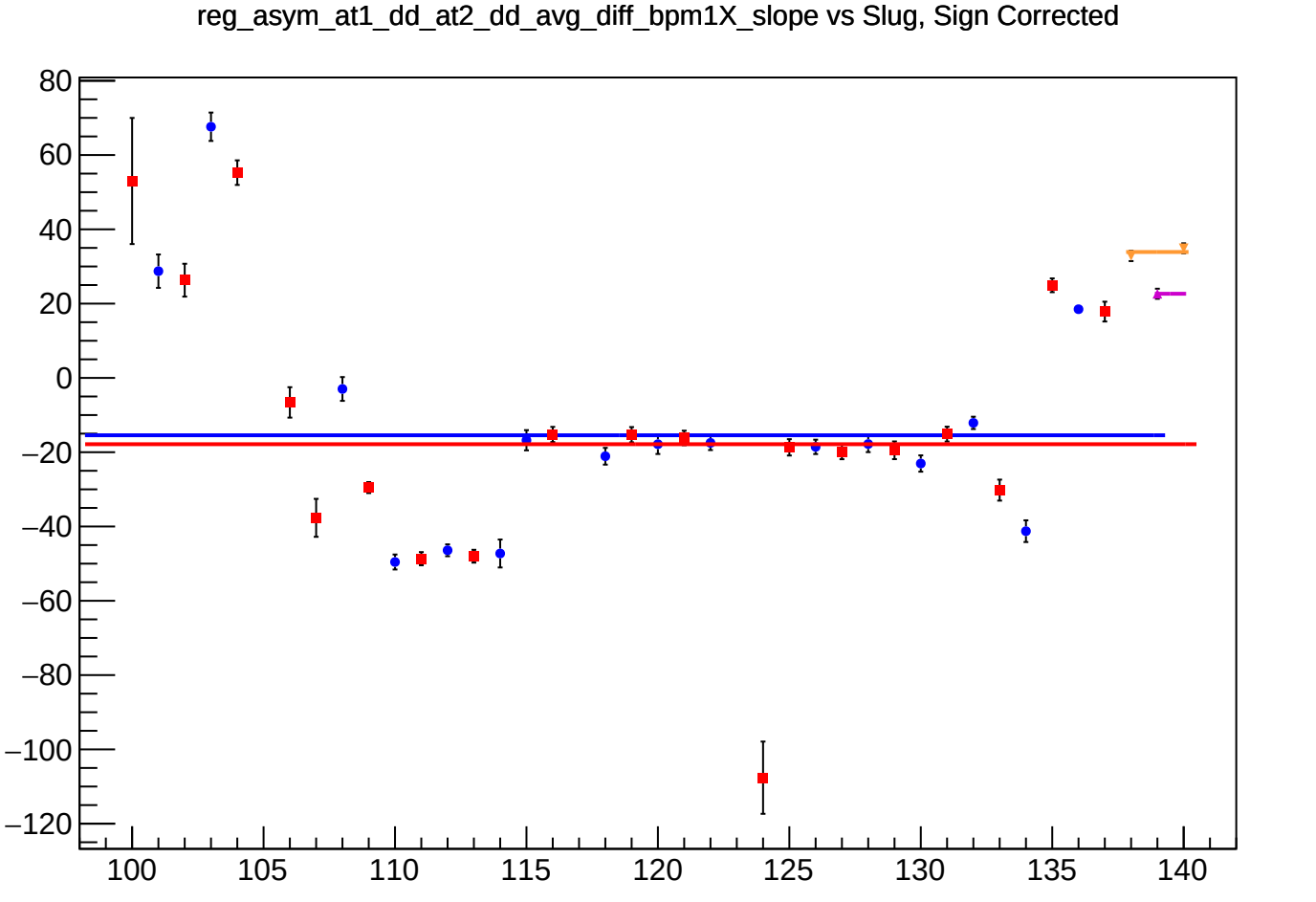
Left: -7.232+/-0.029 χ^2/NDF: 8014.4/2

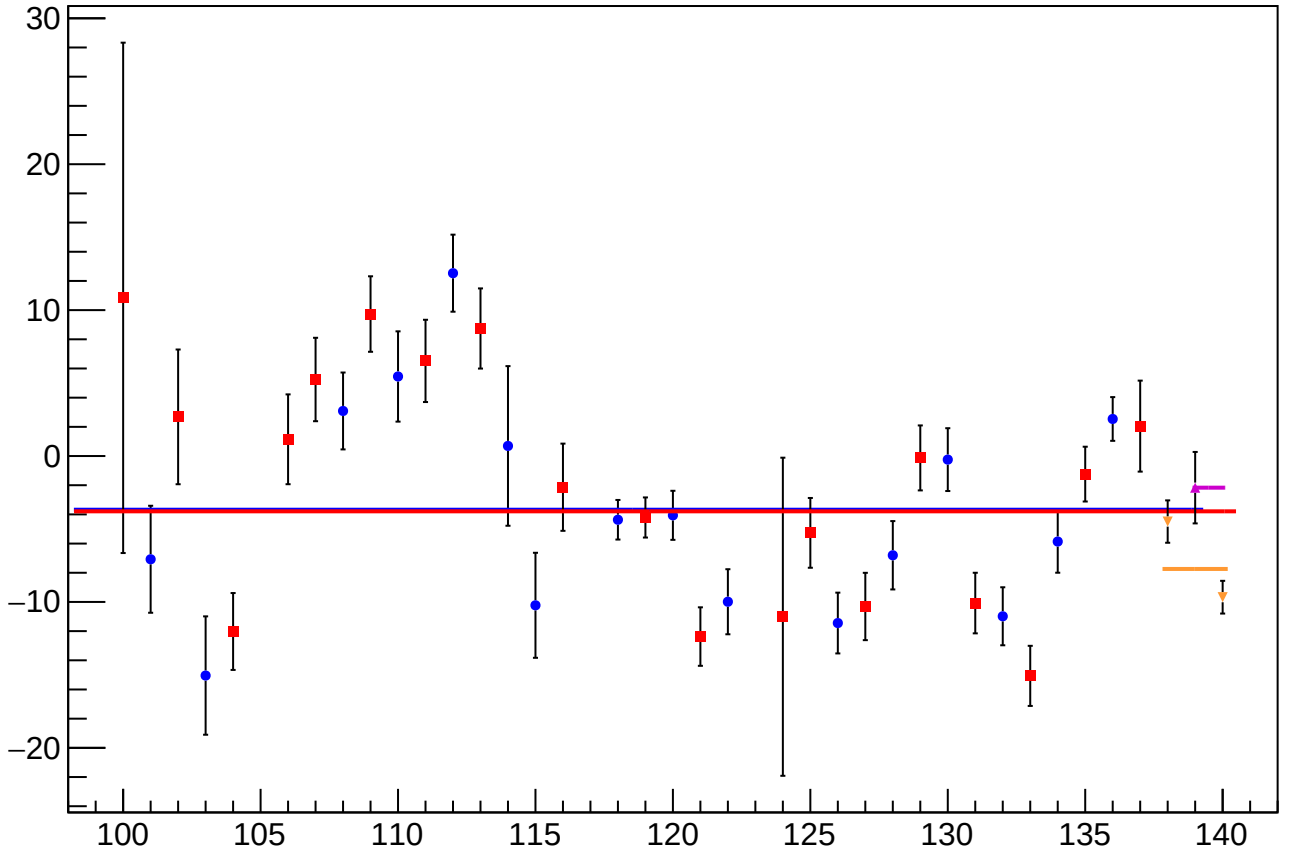
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: 5.917+/-0.025 χ^2/NDF:455843.8/16

Out: 2.161+/-0.024 χ^2/NDF:552640.1/20

All: 3.992+/-0.017 χ^2/NDF: 1020045.0/37


reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
105
110
115
120
125
130
135
140
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 33.898+/-0.963 χ²/NDF:1.1/1
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 22.656+/-1.357 χ²/NDF:0.0/0
Left: 30.130+/-0.786 χ²/NDF: 46.8/2
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: -10.246+/-0.501 χ²/NDF:2804.9/16
Out: -5.840+/-0.464 χ²/NDF:4341.4/20
All: -7.875+/-0.340 χ²/NDF: 7187.9/37



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -7.739+/-0.888 χ^2/NDF:8.0/1

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -2.168+/-2.449 χ^2/NDF:0.0/0

Left: -7.093+/-0.834 χ^2/NDF: 12.6/2

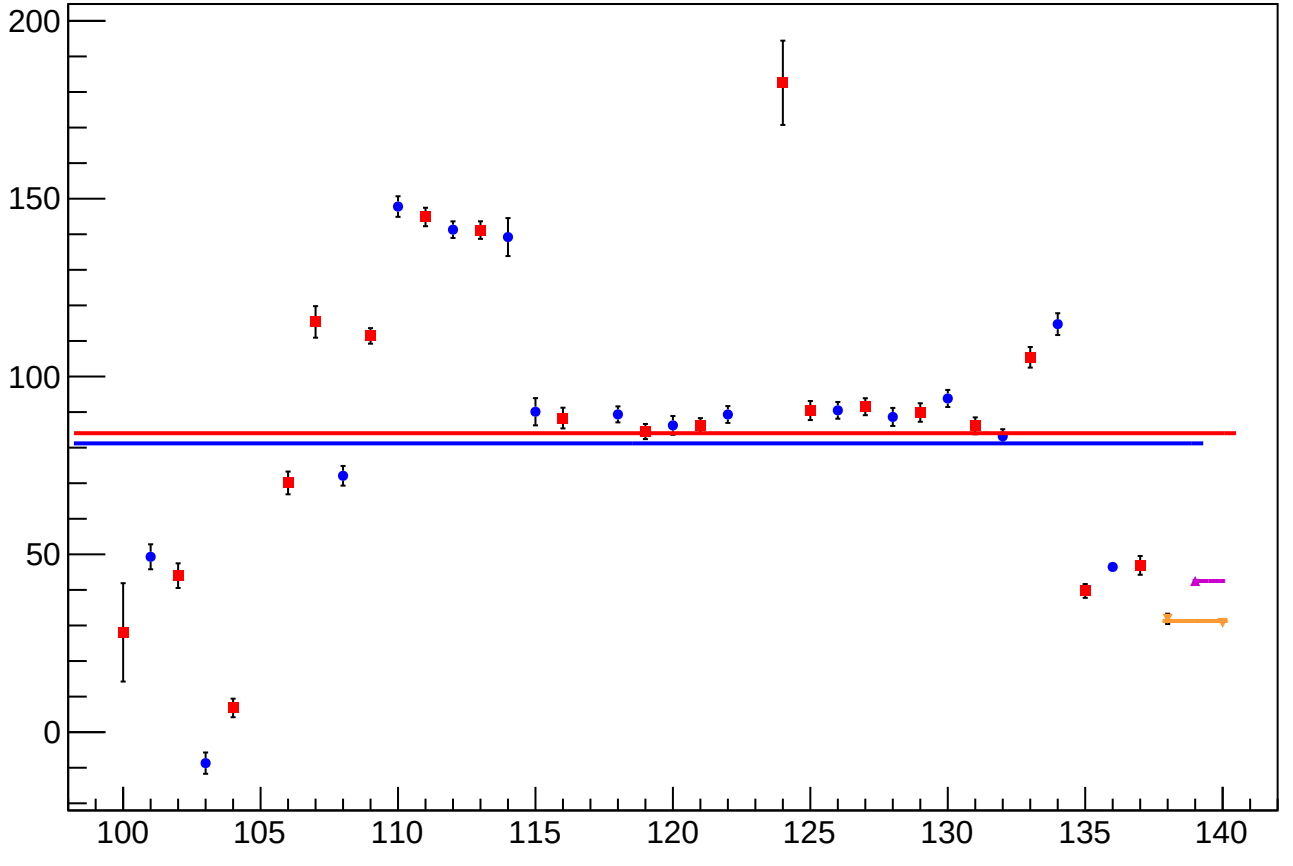
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.606+/-0.538 χ^2/NDF:124.3/16

Out: -4.925+/-0.476 χ^2/NDF:183.3/20

All: -4.347+/-0.357 χ^2/NDF: 311.0/37

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: 31.259+/-0.998 χ^2/NDF:0.3/1

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 42.505+/-1.414 χ^2/NDF:0.0/0

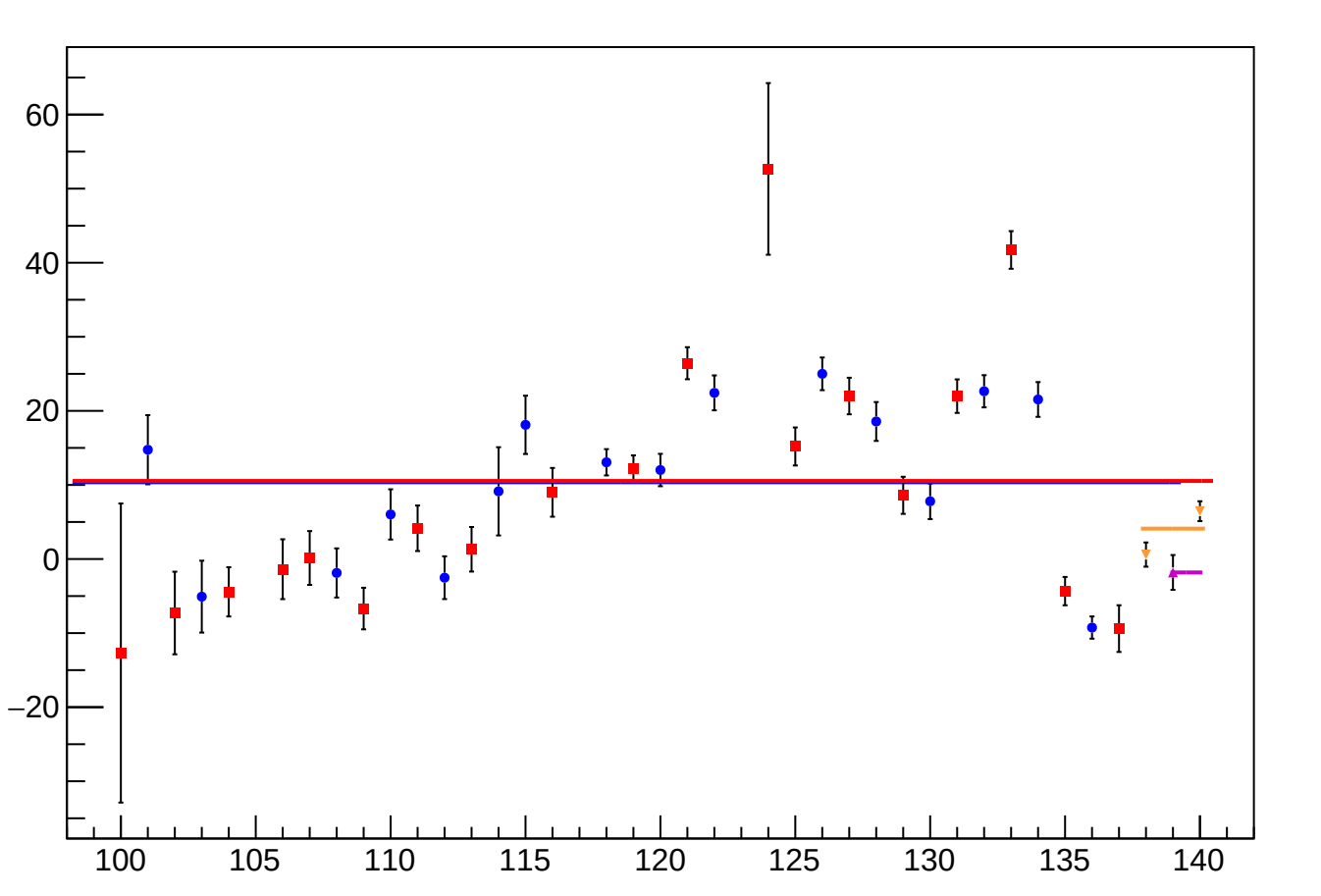
Left: 34.998+/-0.815 χ^2/NDF: 42.6/2

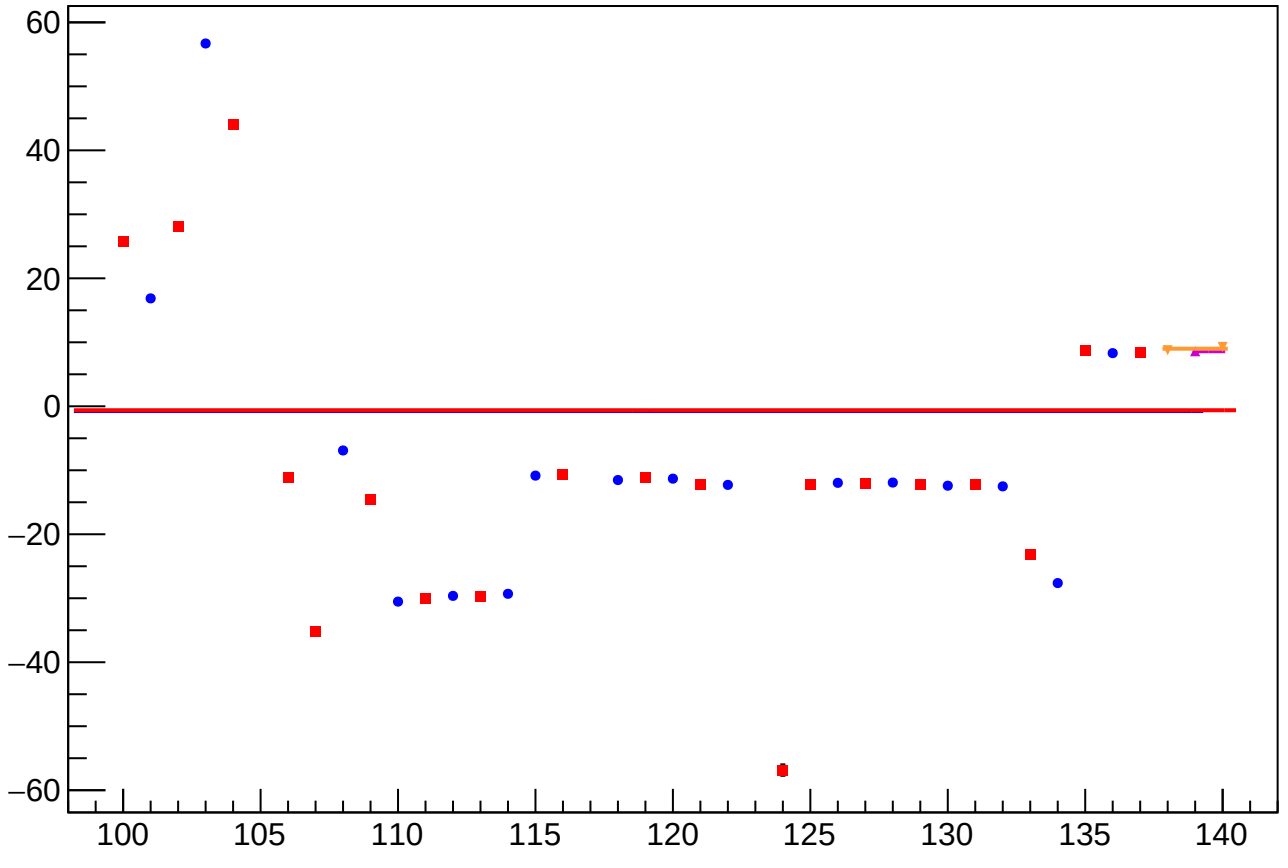
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 75.181+/-0.558 χ^2/NDF:3862.9/16

Out: 69.490+/-0.524 χ^2/NDF:5233.4/20

All: 72.160+/-0.382 χ^2/NDF: 9151.5/37


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
105
110
115
120
125
130
135
140
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 4.100+/-1.038 χ²/NDF:7.7/1
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -1.811+/-2.348 χ²/NDF:0.0/0
Left: 3.135+/-0.949 χ²/NDF: 13.0/2
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 9.558+/-0.605 χ²/NDF:384.9/16
Out: 8.764+/-0.545 χ²/NDF:506.3/20
All: 9.119+/-0.405 χ²/NDF: 892.1/37



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 9.000+/-0.042 χ^2/NDF:37.6/1

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.603+/-0.050 χ^2/NDF:0.0/0

Left: 8.839+/-0.032 χ^2/NDF: 74.4/2

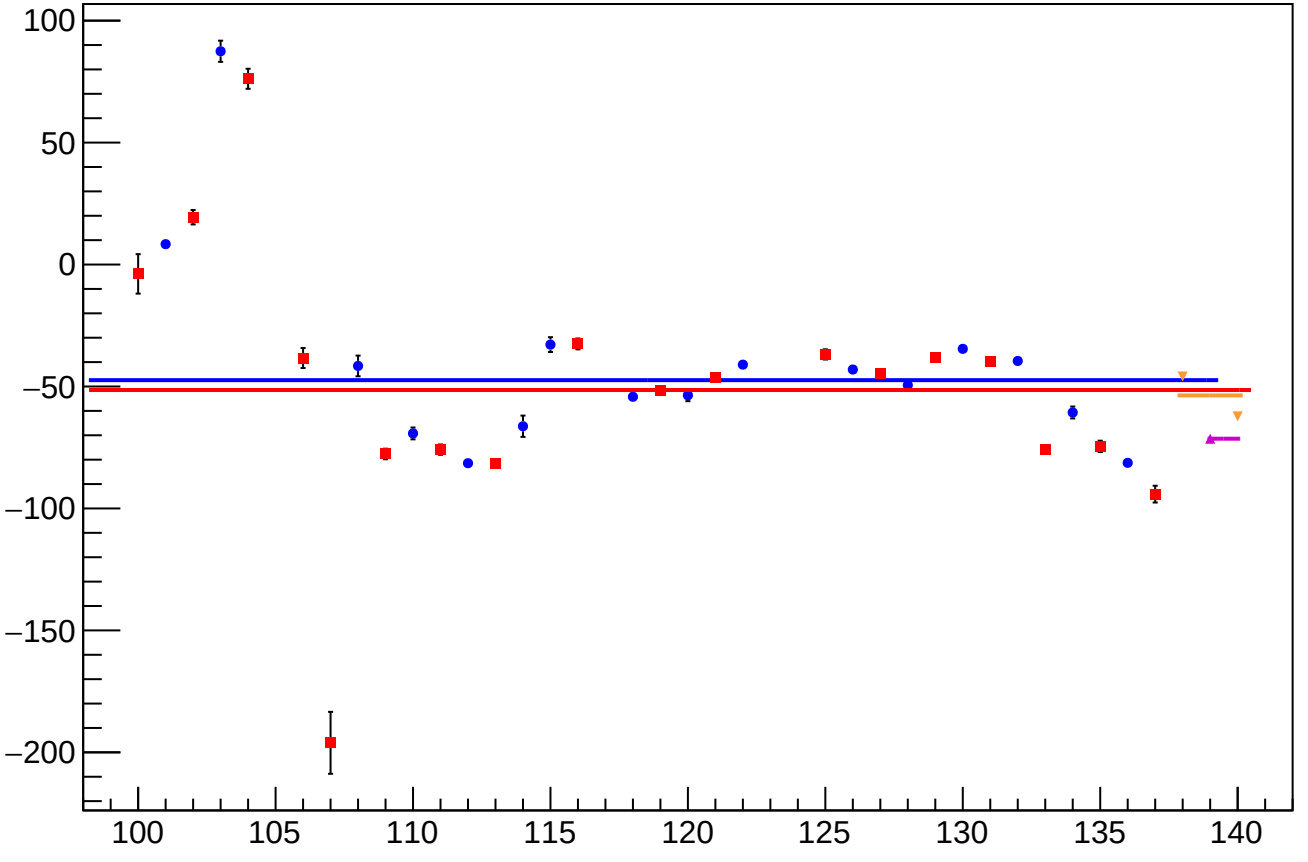
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 2.391+/-0.029 χ^2/NDF:390768.0/16

Out: 3.664+/-0.028 χ^2/NDF:346085.4/20

All: 3.060+/-0.020 χ^2/NDF: 737848.7/37

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -53.651+/-1.289 χ^2/NDF:40.1/1

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -71.401+/-1.808 χ^2/NDF:0.0/0

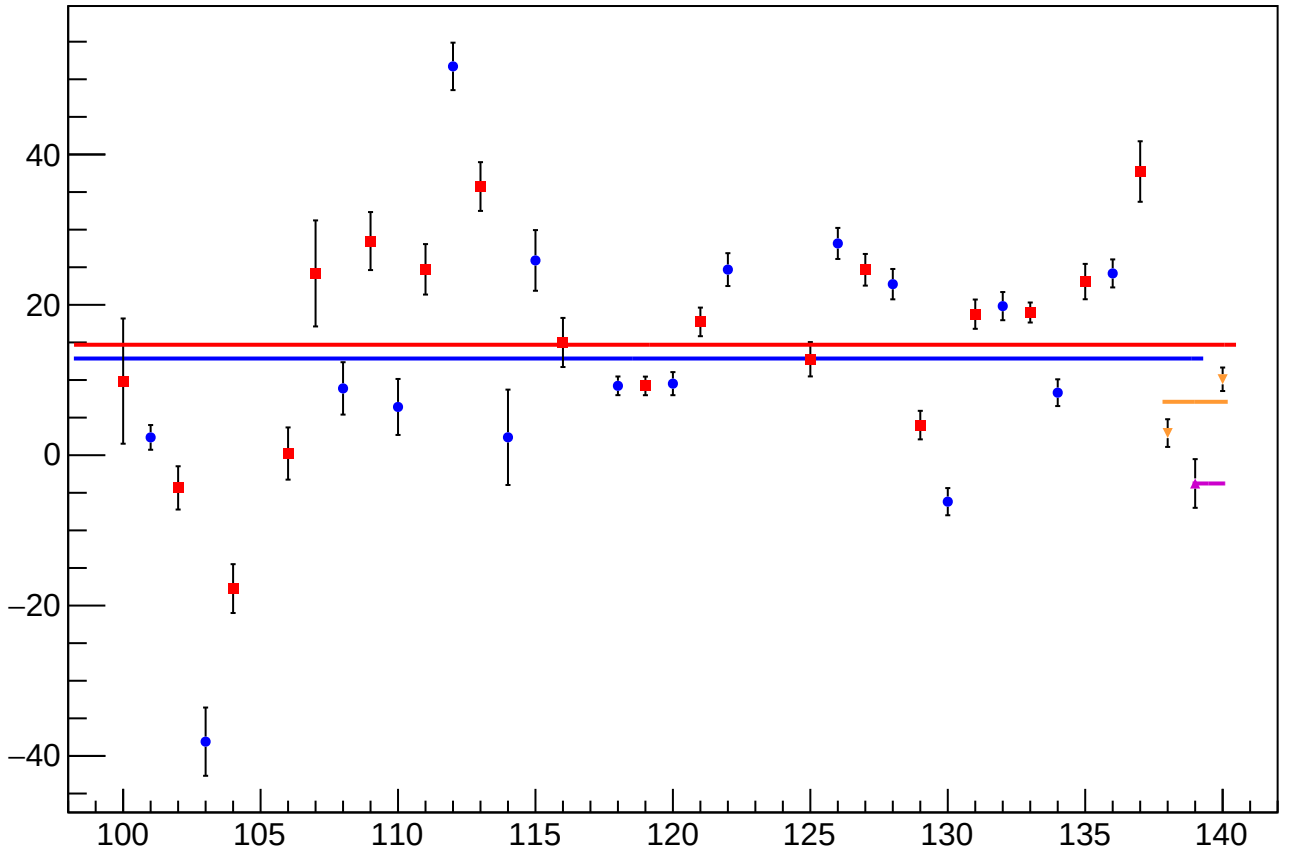
Left: -59.634+/-1.050 χ^2/NDF: 104.0/2

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -49.332+/-0.513 χ^2/NDF:2931.1/16

Out: -51.777+/-0.502 χ^2/NDF:2915.4/19

All: -50.581+/-0.359 χ^2/NDF: 5858.1/36



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 7.103+/-1.192 χ^2/NDF:8.8/1

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: -3.761+/-3.239 χ^2/NDF:0.0/0

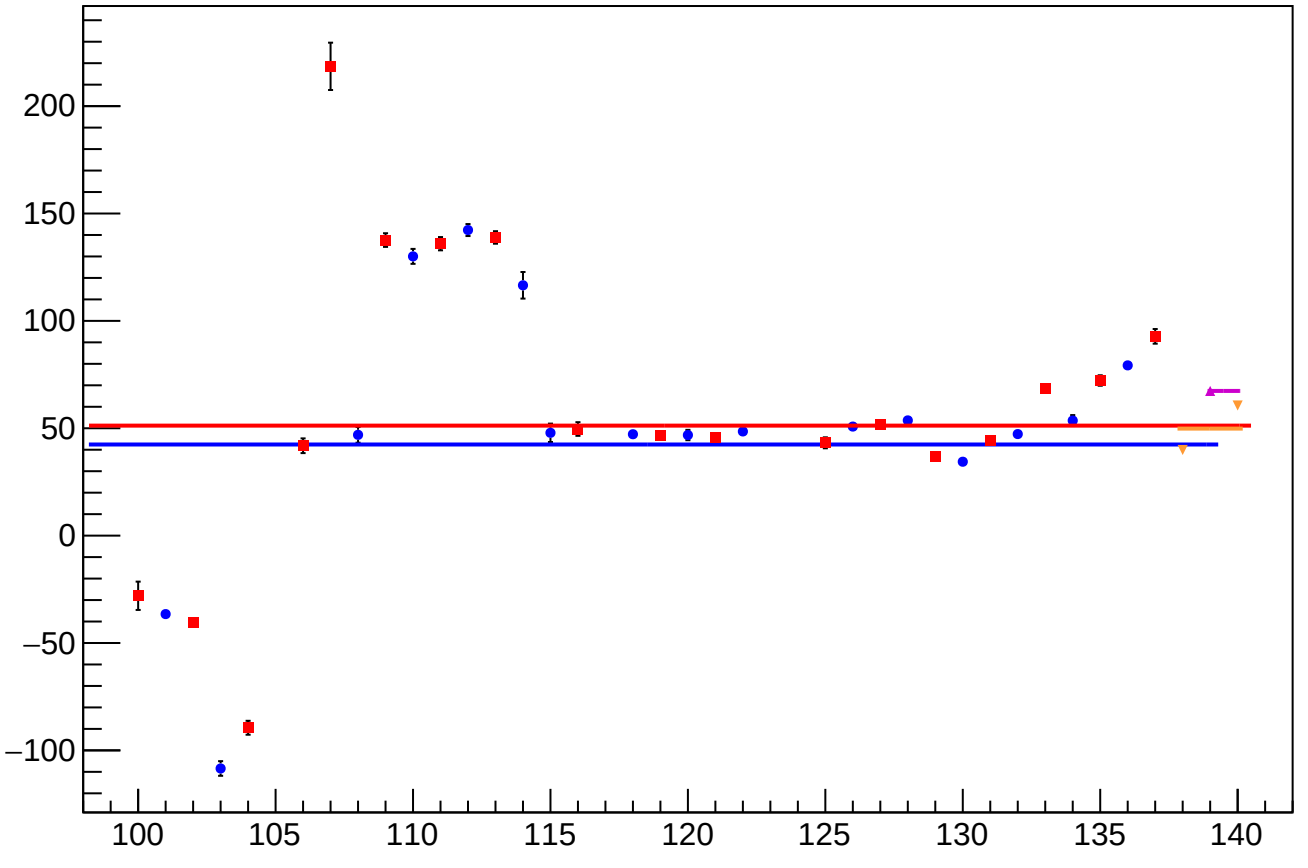
Left: 5.807+/-1.119 χ^2/NDF: 18.7/2

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 12.444+/-0.512 χ^2/NDF:651.2/16

Out: 13.382+/-0.495 χ^2/NDF:406.4/19

All: 12.929+/-0.356 χ^2/NDF: 1059.3/36



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 49.839+/-1.336 χ^2/NDF:60.0/1

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 67.382+/-1.886 χ^2/NDF:0.0/0

Left: 55.701+/-1.090 χ^2/NDF: 117.6/2

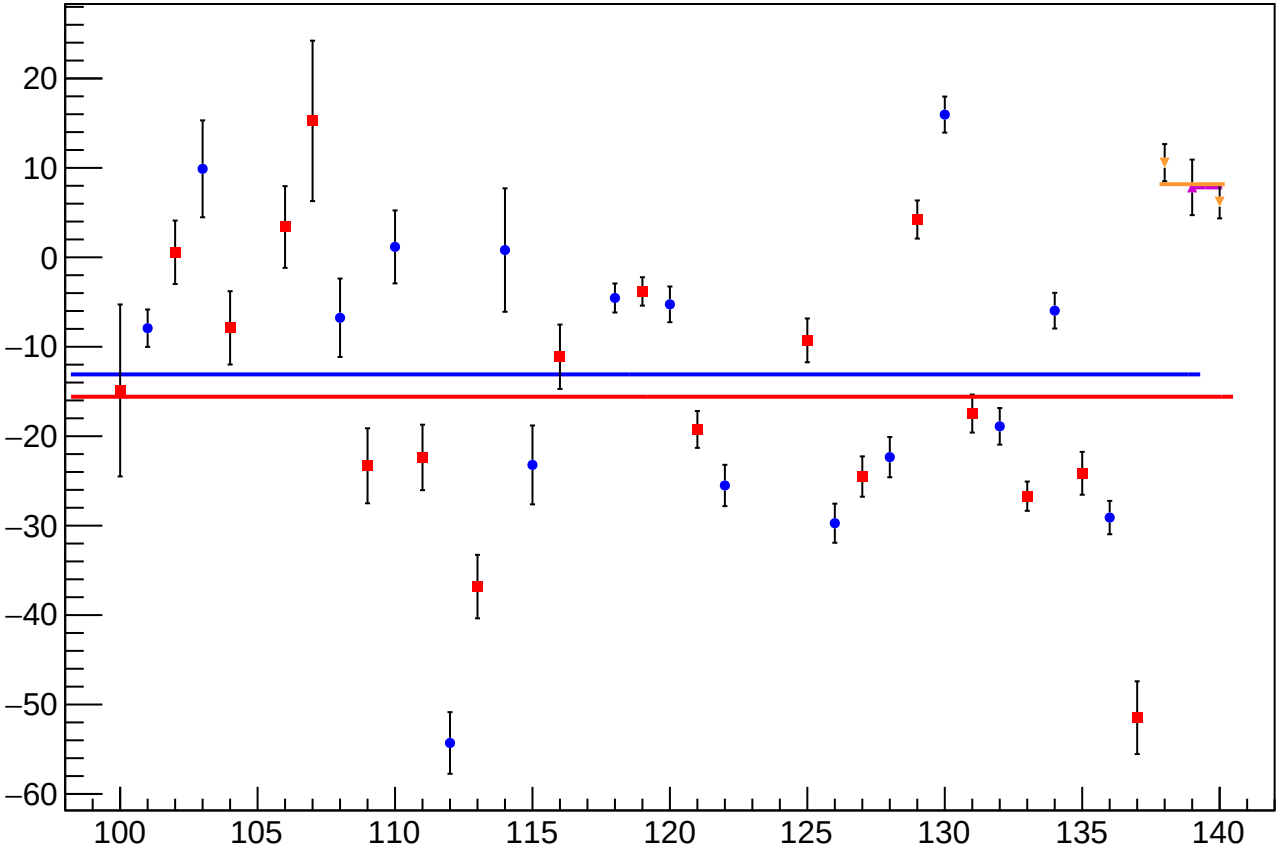
Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 44.621+/-0.558 χ^2/NDF:7328.5/16

Out: 50.983+/-0.558 χ^2/NDF:6672.2/19

All: 47.800+/-0.395 χ^2/NDF: 14065.6/36

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 8.177+/-1.393 χ^2/NDF:2.4/1

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 7.822+/-3.104 χ^2/NDF:0.0/0

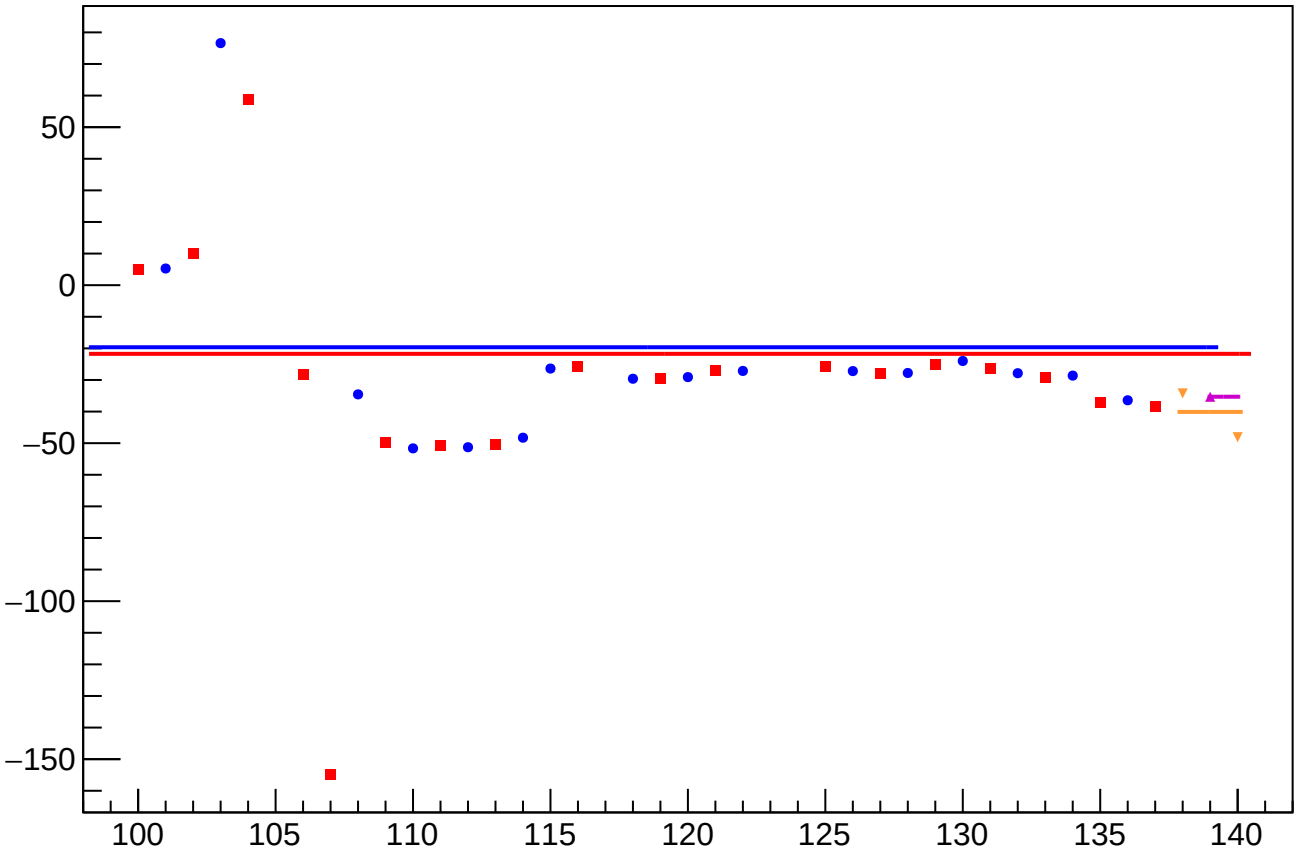
Left: 8.117+/-1.271 χ^2/NDF: 2.4/2

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -12.338+/-0.589 χ^2/NDF:683.6/16

Out: -11.589+/-0.572 χ^2/NDF:646.2/19

All: -11.952+/-0.410 χ^2/NDF: 1330.7/36



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -40.101+/-0.056 χ^2/NDF:15088.6/1

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -35.301+/-0.067 χ^2/NDF:0.0/0

Left: -38.134+/-0.043 χ^2/NDF: 18130.5/2

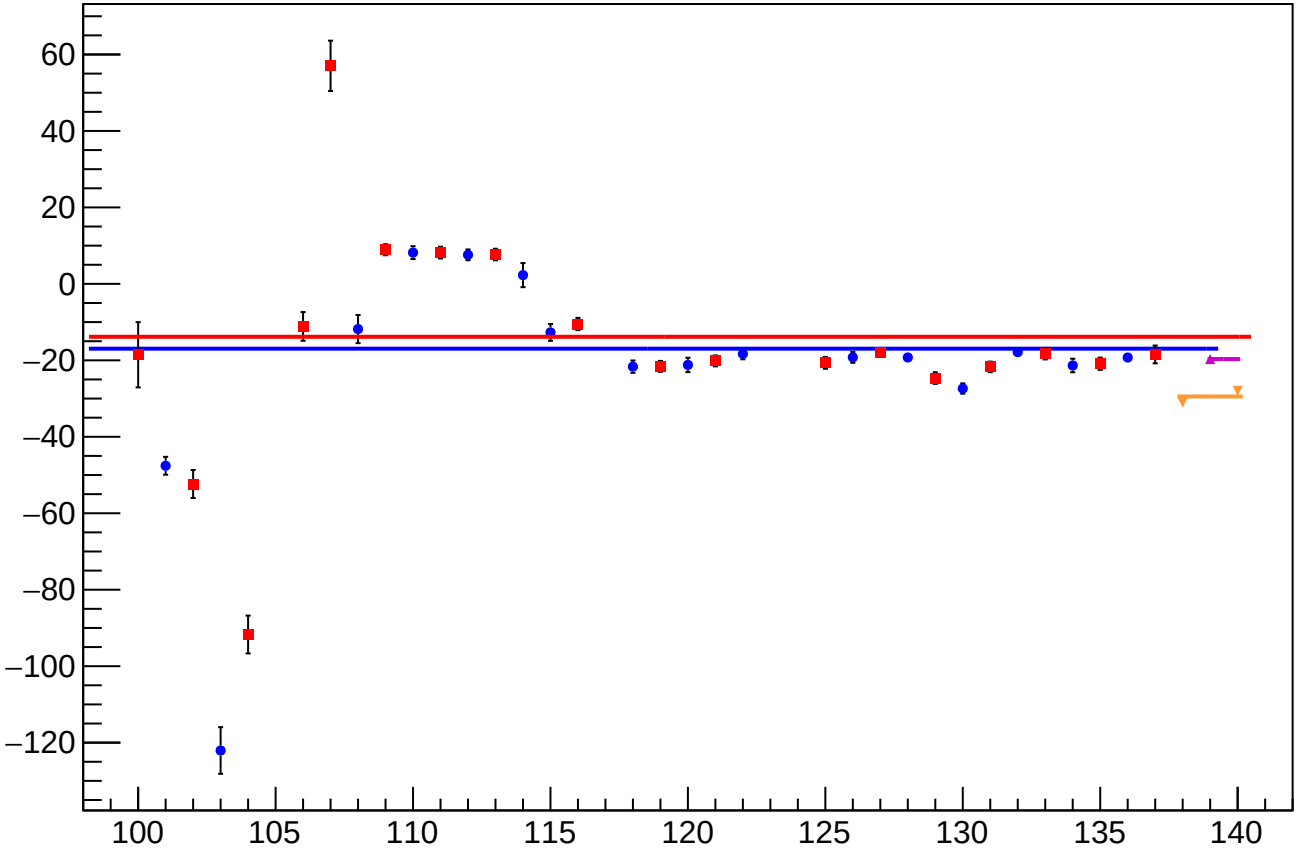
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -23.179+/-0.032 χ^2/NDF:689363.9/16

Out: -27.747+/-0.032 χ^2/NDF:634842.1/19

All: -25.454+/-0.023 χ^2/NDF: 1334501.9/36

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -29.452+/-0.829 χ^2/NDF:3.5/1

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -19.655+/-1.166 χ^2/NDF:0.0/0

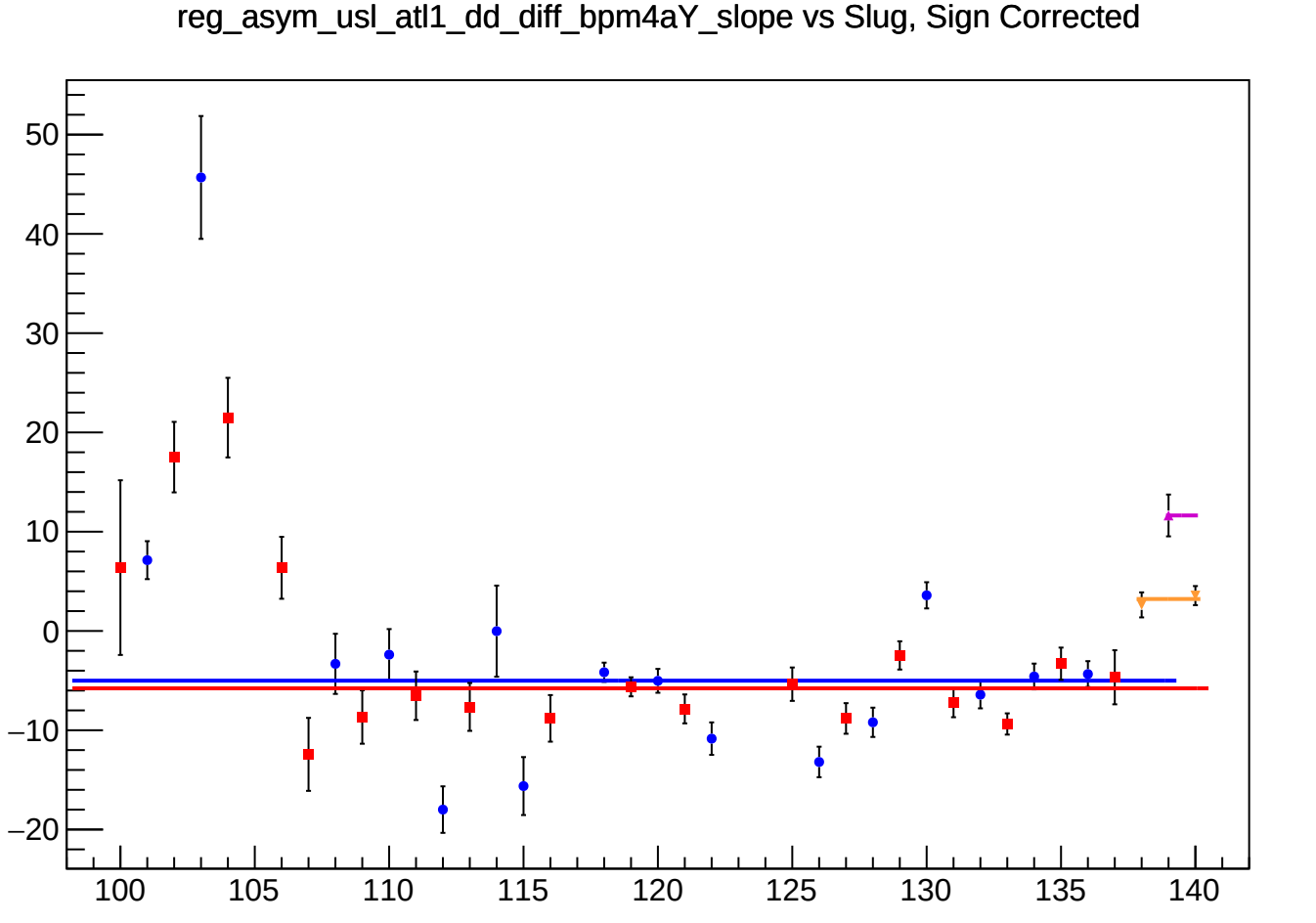
Left: -26.162+/-0.676 χ^2/NDF: 50.3/2

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -17.239+/-0.382 χ^2/NDF:1133.0/16

Out: -16.895+/-0.367 χ^2/NDF:1621.8/19

All: -17.060+/-0.265 χ^2/NDF: 2755.3/36



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: 3.220+/-0.763 χ^2/NDF:0.3/1

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: 11.635+/-2.106 χ^2/NDF:0.0/0

Left: 4.198+/-0.718 χ^2/NDF: 14.5/2

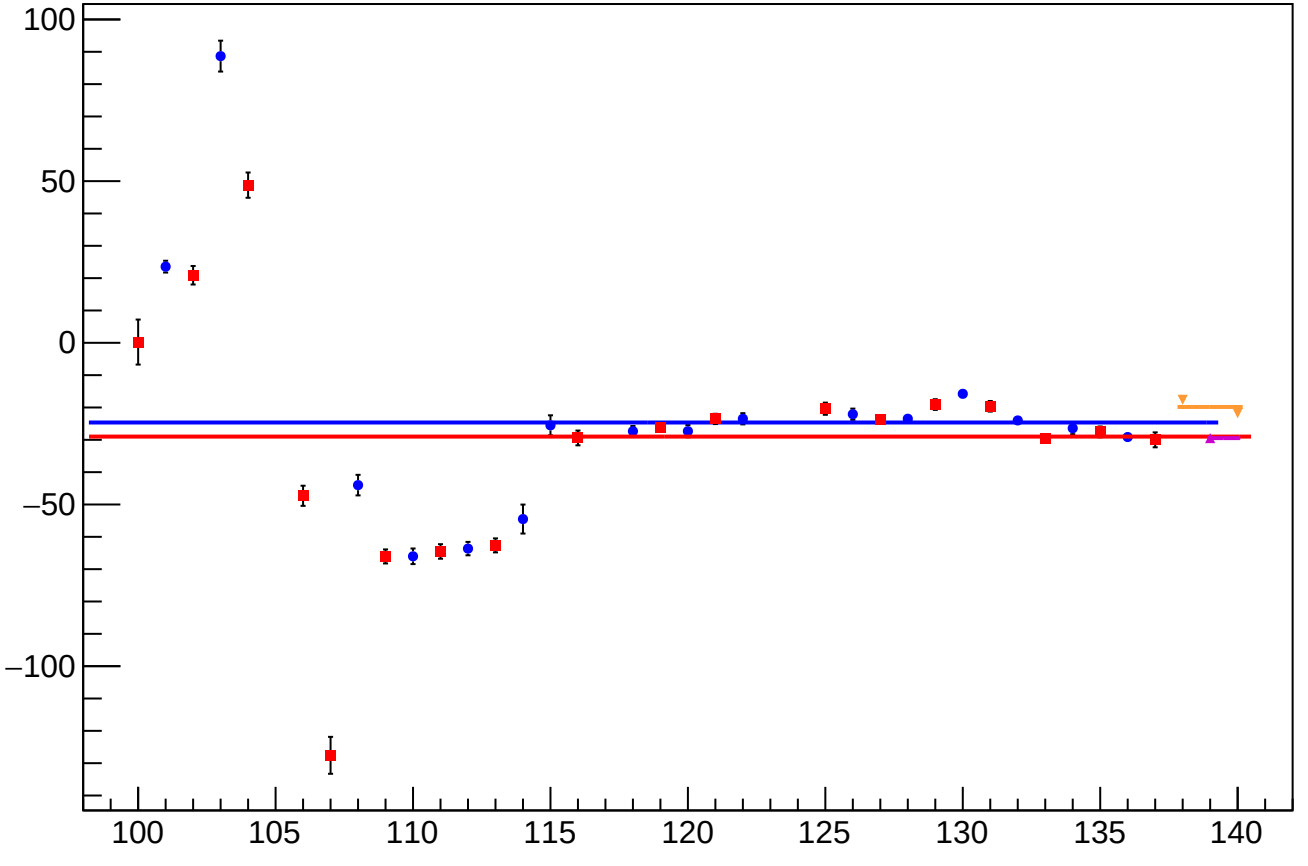
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -4.422+/-0.394 χ^2/NDF:308.0/16

Out: -3.693+/-0.368 χ^2/NDF:246.4/19

All: -4.032+/-0.269 χ^2/NDF: 556.3/36

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -19.837+/-0.859 χ^2/NDF:5.8/1

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -29.467+/-1.215 χ^2/NDF:0.0/0

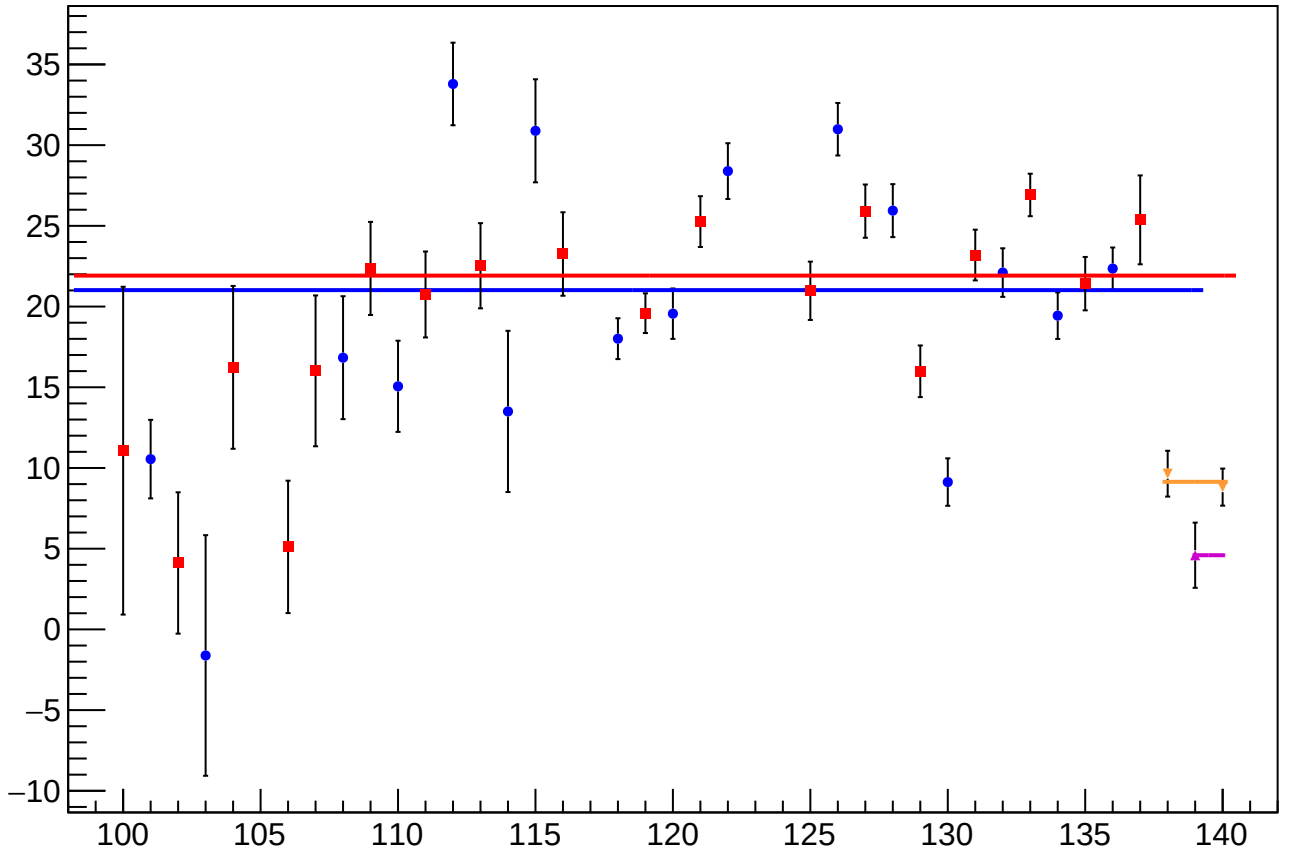
Left: -23.046+/-0.701 χ^2/NDF: 47.7/2

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -25.234+/-0.426 χ^2/NDF:2065.7/16

Out: -26.854+/-0.416 χ^2/NDF:2045.3/19

All: -26.064+/-0.298 χ^2/NDF: 4118.4/36



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 9.143+/-0.893 χ^2/NDF:0.2/1

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 4.595+/-2.020 χ^2/NDF:0.0/0

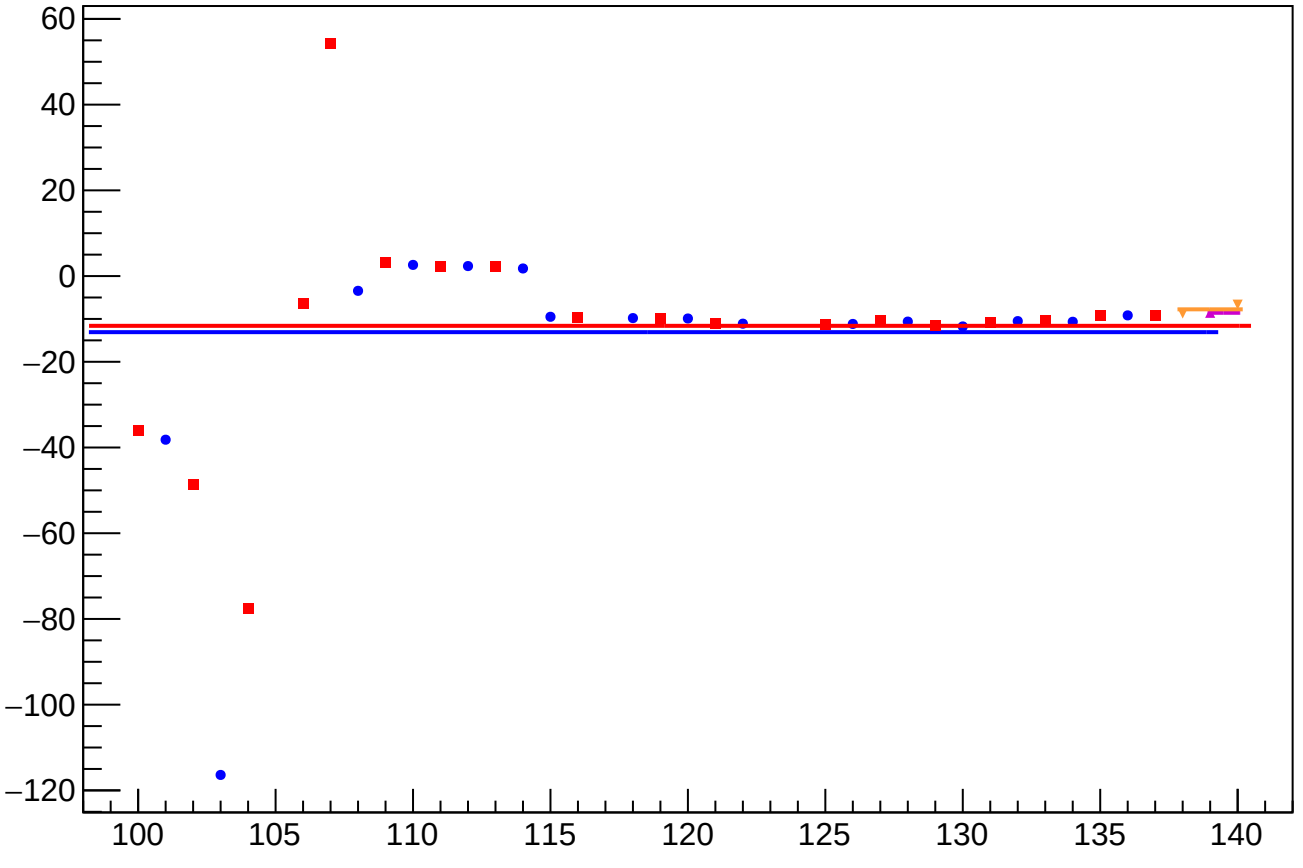
Left: 8.400+/-0.817 χ^2/NDF: 4.5/2

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 20.215+/-0.447 χ^2/NDF:272.5/16

Out: 19.068+/-0.422 χ^2/NDF:241.8/19

All: 19.608+/-0.307 χ^2/NDF: 517.8/36



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -7.761+/-0.036 χ^2/NDF:830.3/1

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -8.567+/-0.043 χ^2/NDF:0.0/0

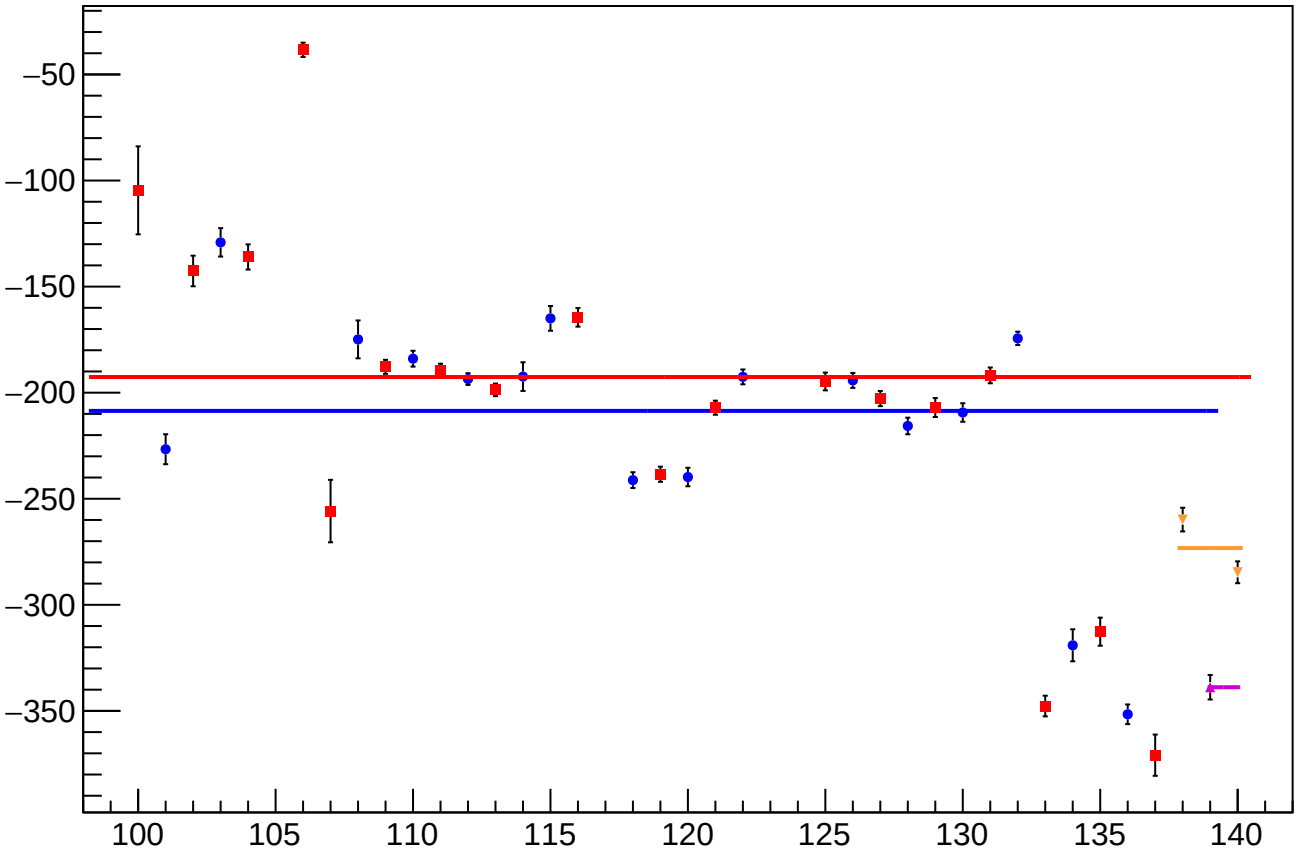
Left: -8.088+/-0.028 χ^2/NDF: 1034.6/2

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -11.732+/-0.024 χ^2/NDF:352524.0/16

Out: -9.972+/-0.023 χ^2/NDF:321618.9/19

All: -10.839+/-0.017 χ^2/NDF: 676922.9/36



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -273.242+/-3.785 χ^2/NDF:10.7/1

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -338.846+/-5.779 χ^2/NDF:0.0/0

Left: -292.937+/-3.166 χ^2/NDF: 100.9/2

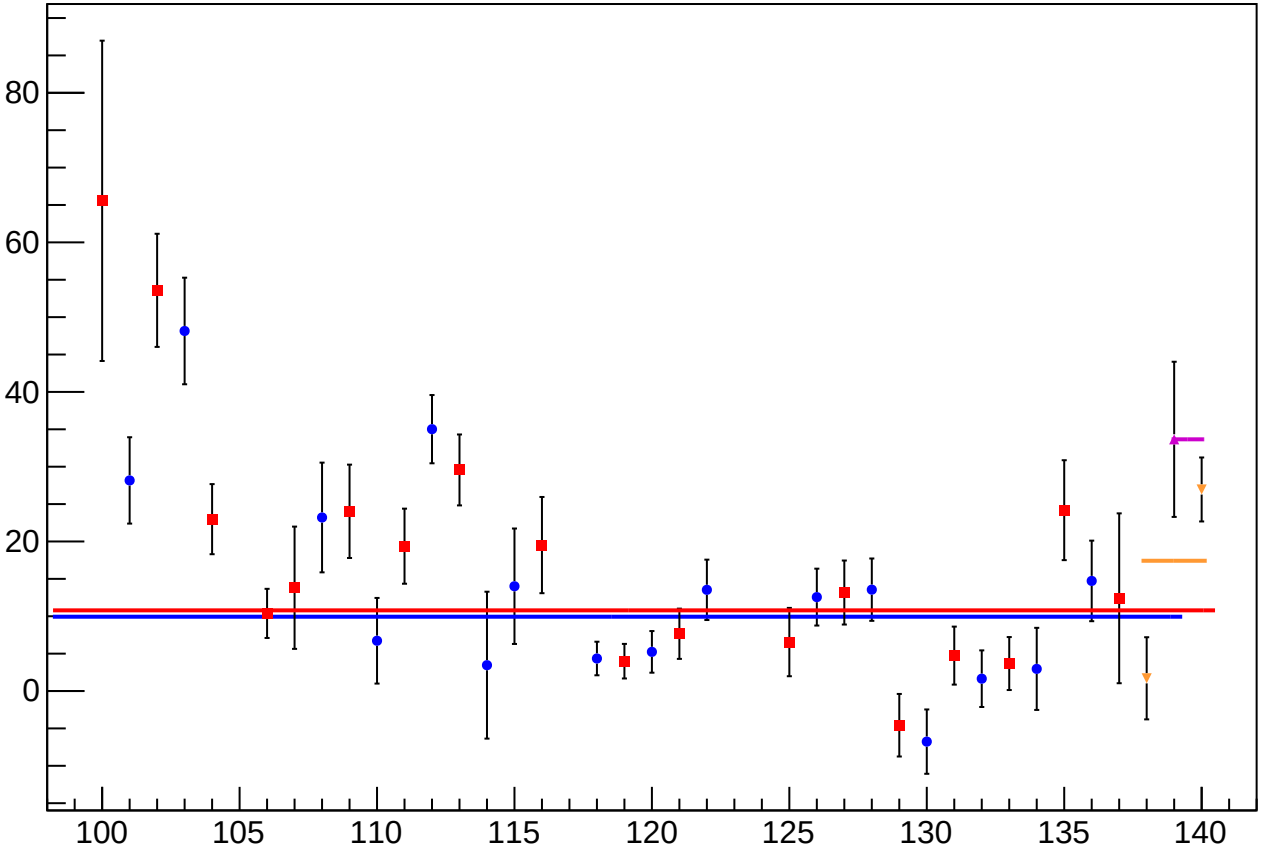
Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -212.876+/-1.049 χ^2/NDF:2242.5/16

Out: -197.866+/-0.966 χ^2/NDF:4642.0/19

All: -204.754+/-0.710 χ^2/NDF: 6995.3/36

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 17.420+/-3.375 χ^2/NDF:13.2/1

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 33.660+/-10.375 χ^2/NDF:0.0/0

Left: 18.974+/-3.210 χ^2/NDF: 15.4/2

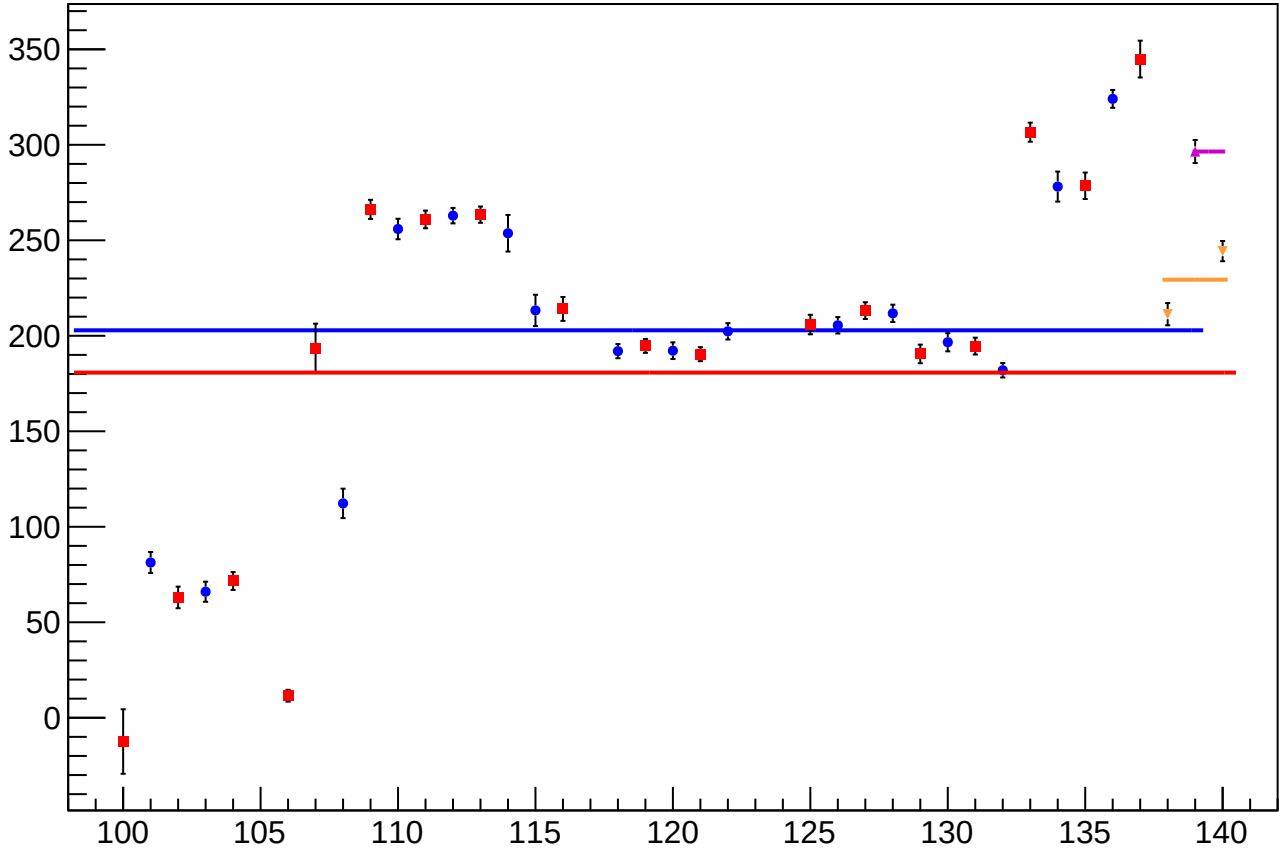
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 10.185+/-1.060 χ^2/NDF:111.7/16

Out: 11.367+/-0.997 χ^2/NDF:121.8/19

All: 10.812+/-0.726 χ^2/NDF: 234.2/36

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 229.387+/-3.918 χ^2/NDF:17.6/1

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 296.477+/-6.027 χ^2/NDF:0.0/0

Left: 249.315+/-3.285 χ^2/NDF: 104.7/2

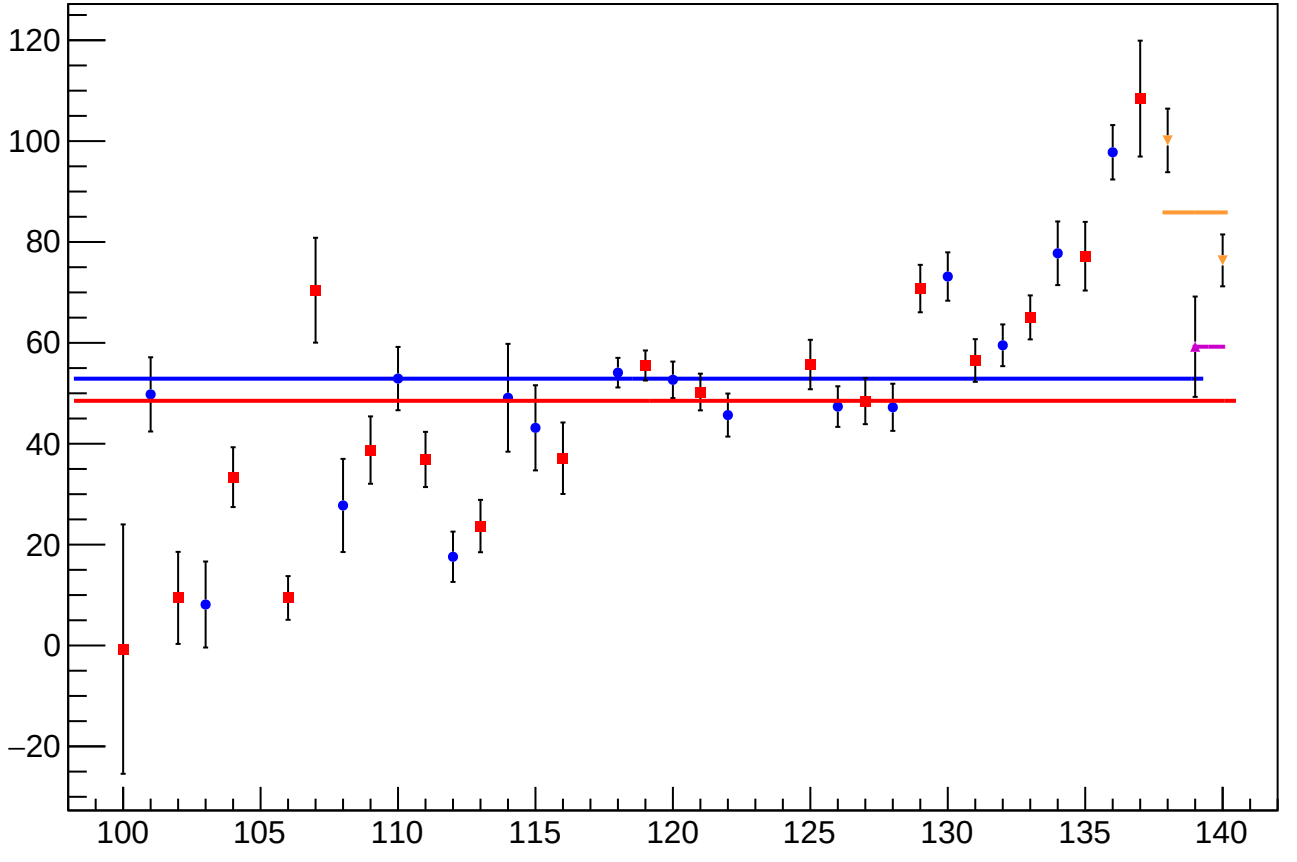
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 206.591+/-1.201 χ^2/NDF:2695.8/16

Out: 184.551+/-1.098 χ^2/NDF:6507.6/19

All: 194.583+/-0.810 χ^2/NDF: 9386.9/36

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 85.860+/-3.985 χ^2/NDF:8.6/1

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 59.236+/-9.945 χ^2/NDF:0.0/0

Left: 82.177+/-3.699 χ^2/NDF: 14.7/2

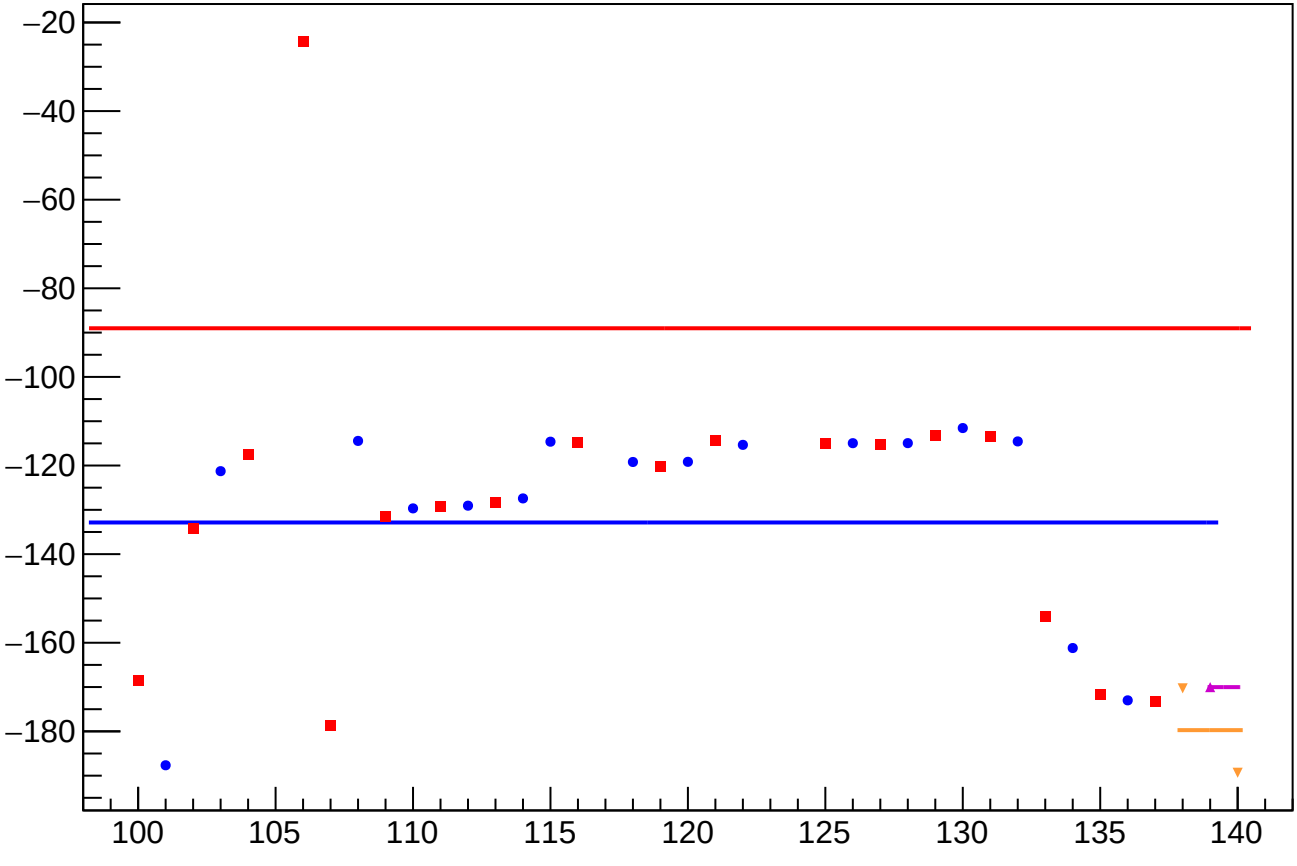
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 52.996+/-1.232 χ^2/NDF:198.7/16

Out: 51.684+/-1.162 χ^2/NDF:329.0/19

All: 52.302+/-0.845 χ^2/NDF: 528.3/36

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: -179.725+/-0.166 χ^2/NDF:3280.6/1

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -170.016+/-0.214 χ^2/NDF:0.0/0

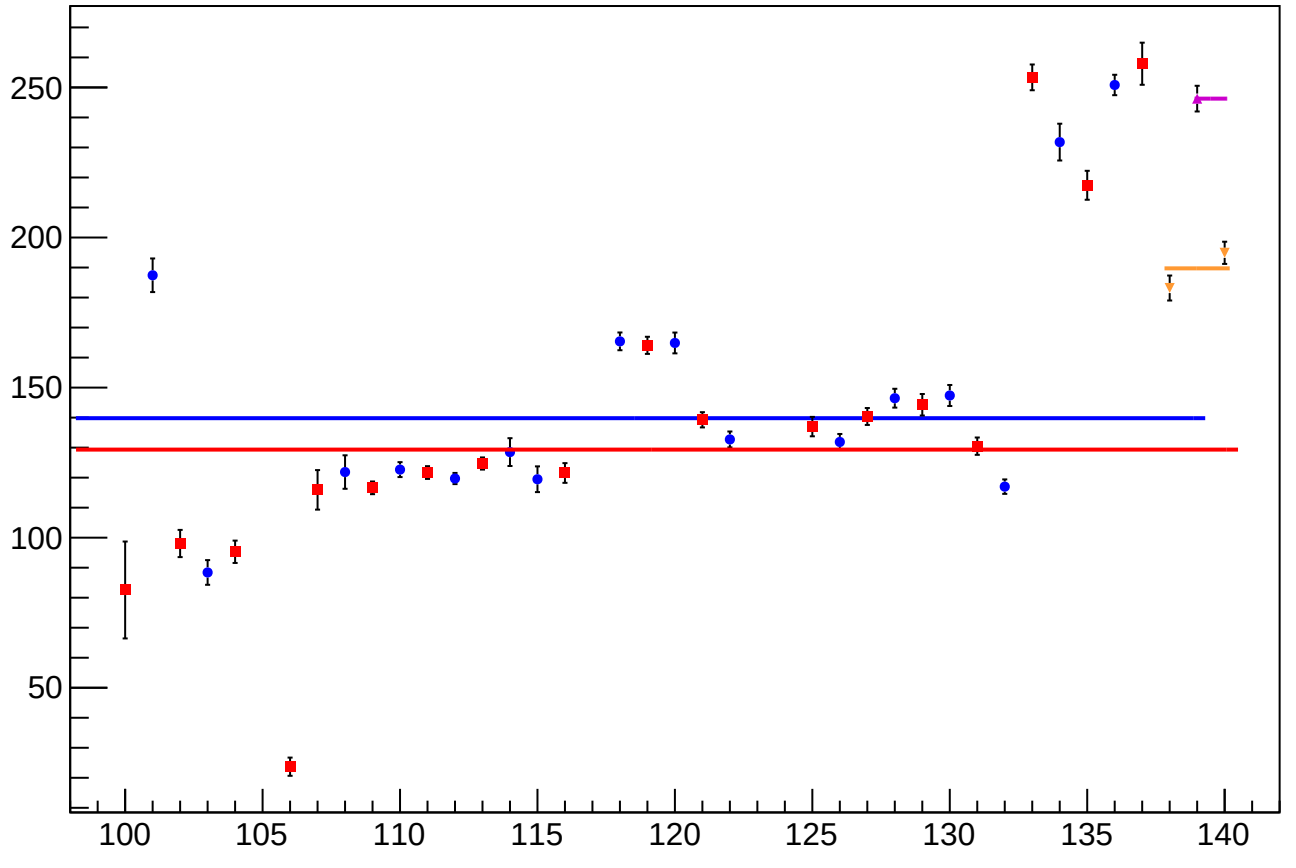
Left: -176.076+/-0.131 χ^2/NDF: 4561.2/2

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -137.534+/-0.076 χ^2/NDF:119764.9/16

Out: -100.772+/-0.060 χ^2/NDF:990280.6/19

All: -114.835+/-0.047 χ^2/NDF: 1254287.7/36



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 189.725+/-2.765 χ^2/NDF:4.4/1

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 246.274+/-4.281 χ^2/NDF:0.0/0

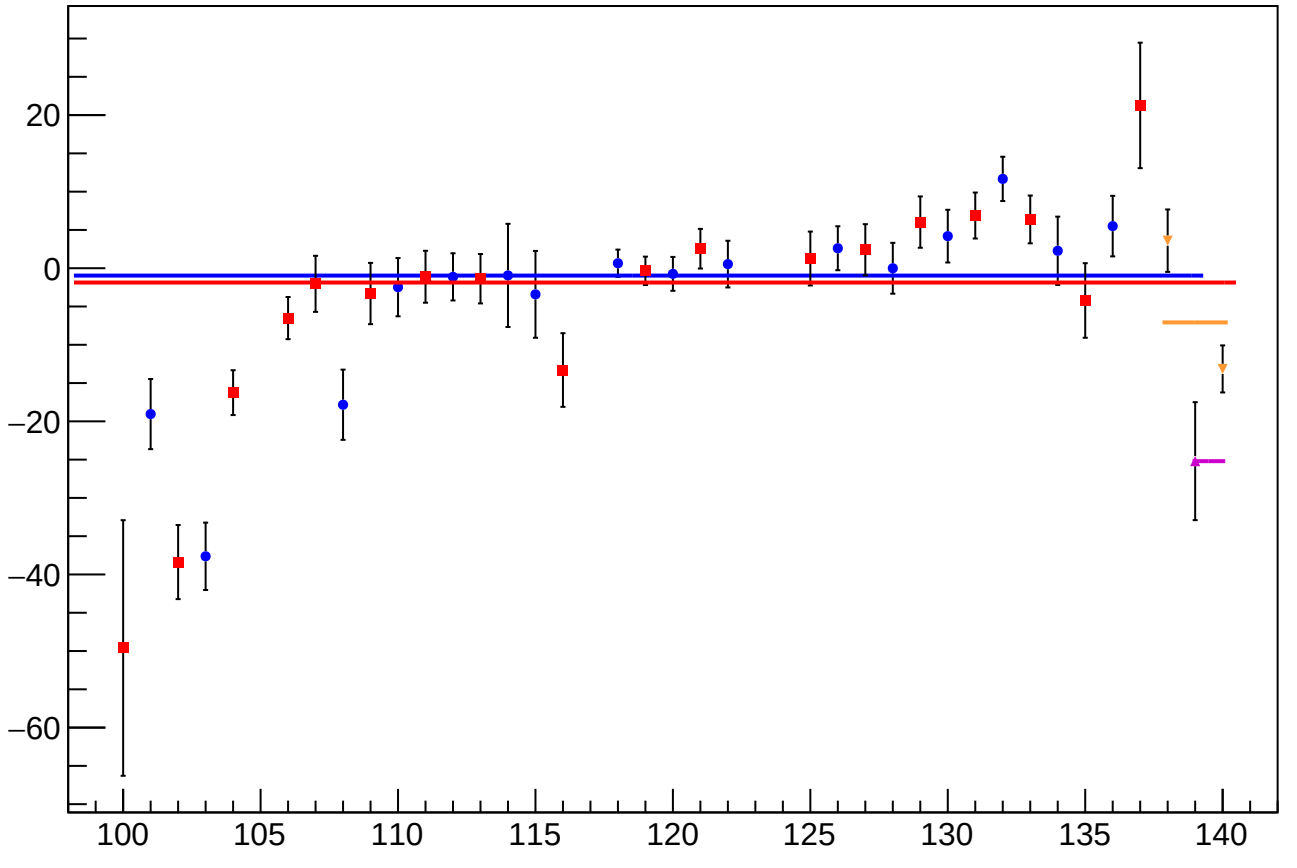
Left: 206.372+/-2.323 χ^2/NDF: 127.5/2

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 143.269+/-0.772 χ^2/NDF:2563.3/16

Out: 133.321+/-0.710 χ^2/NDF:3573.3/19

All: 137.879+/-0.522 χ^2/NDF: 6226.7/36



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -7.079+/-2.454 χ^2/NDF:10.8/1

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -25.200+/-7.705 χ^2/NDF:0.0/0

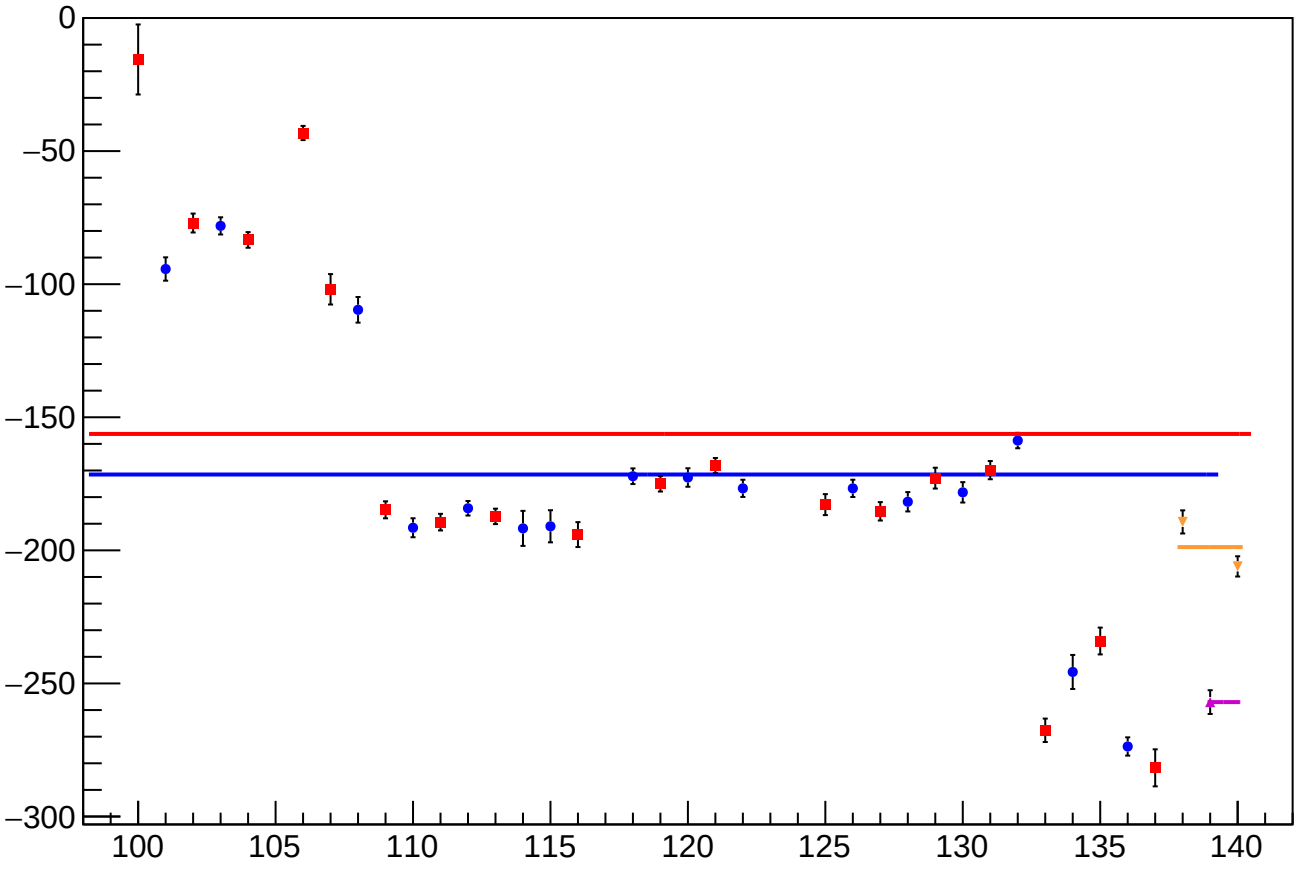
Left: -8.749+/-2.339 χ^2/NDF: 15.8/2

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -1.227+/-0.804 χ^2/NDF:135.9/16

Out: -2.351+/-0.746 χ^2/NDF:148.0/19

All: -1.830+/-0.547 χ^2/NDF: 284.9/36



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -198.769+/-2.861 χ^2/NDF:8.4/1

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -257.011+/-4.463 χ^2/NDF:0.0/0

Left: -215.735+/-2.409 χ^2/NDF: 129.1/2

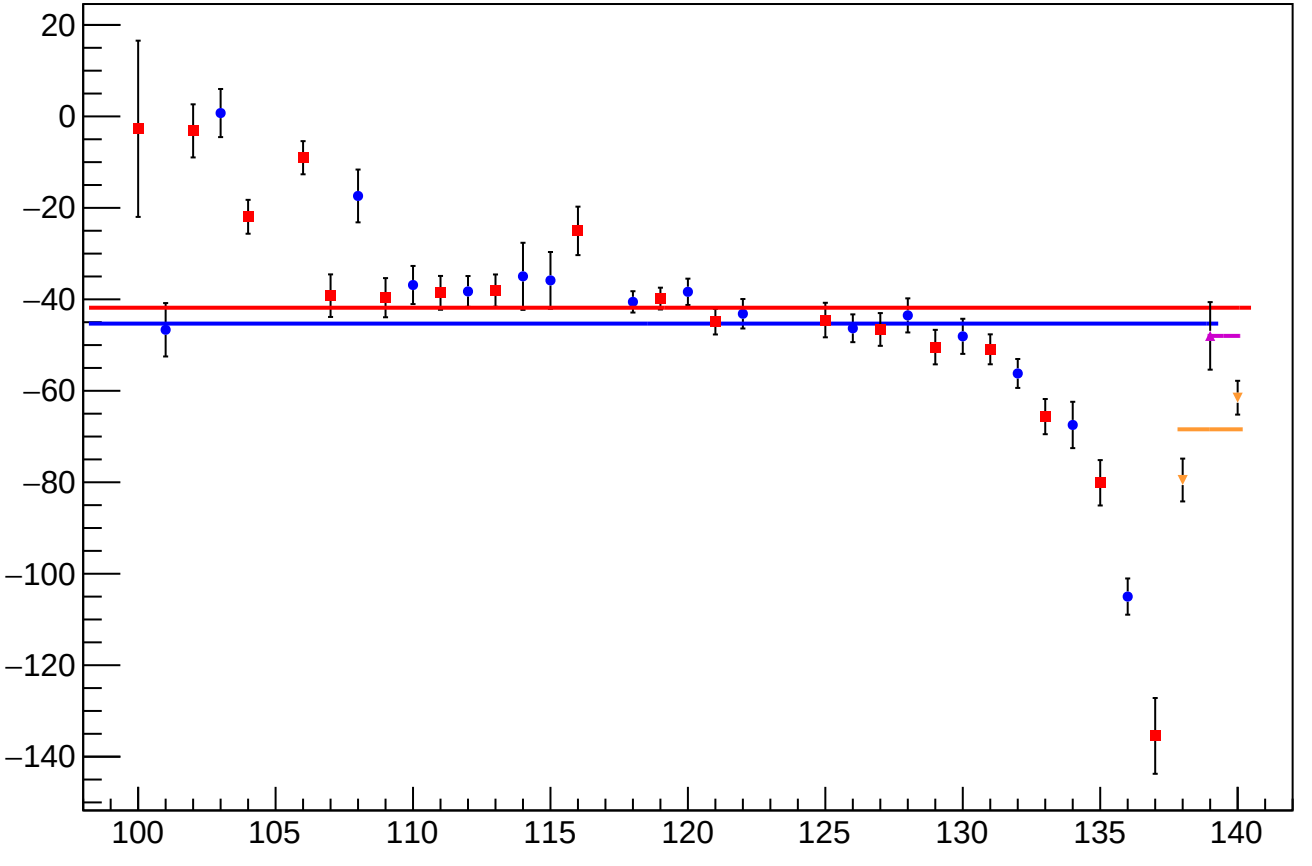
Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -174.896+/-0.889 χ^2/NDF:2795.3/16

Out: -159.687+/-0.812 χ^2/NDF:5115.6/19

All: -166.612+/-0.600 χ^2/NDF: 8070.5/36

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -68.420+/-2.901 χ^2/NDF:9.1/1

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -47.991+/-7.387 χ^2/NDF:0.0/0

Left: -65.690+/-2.700 χ^2/NDF: 15.7/2

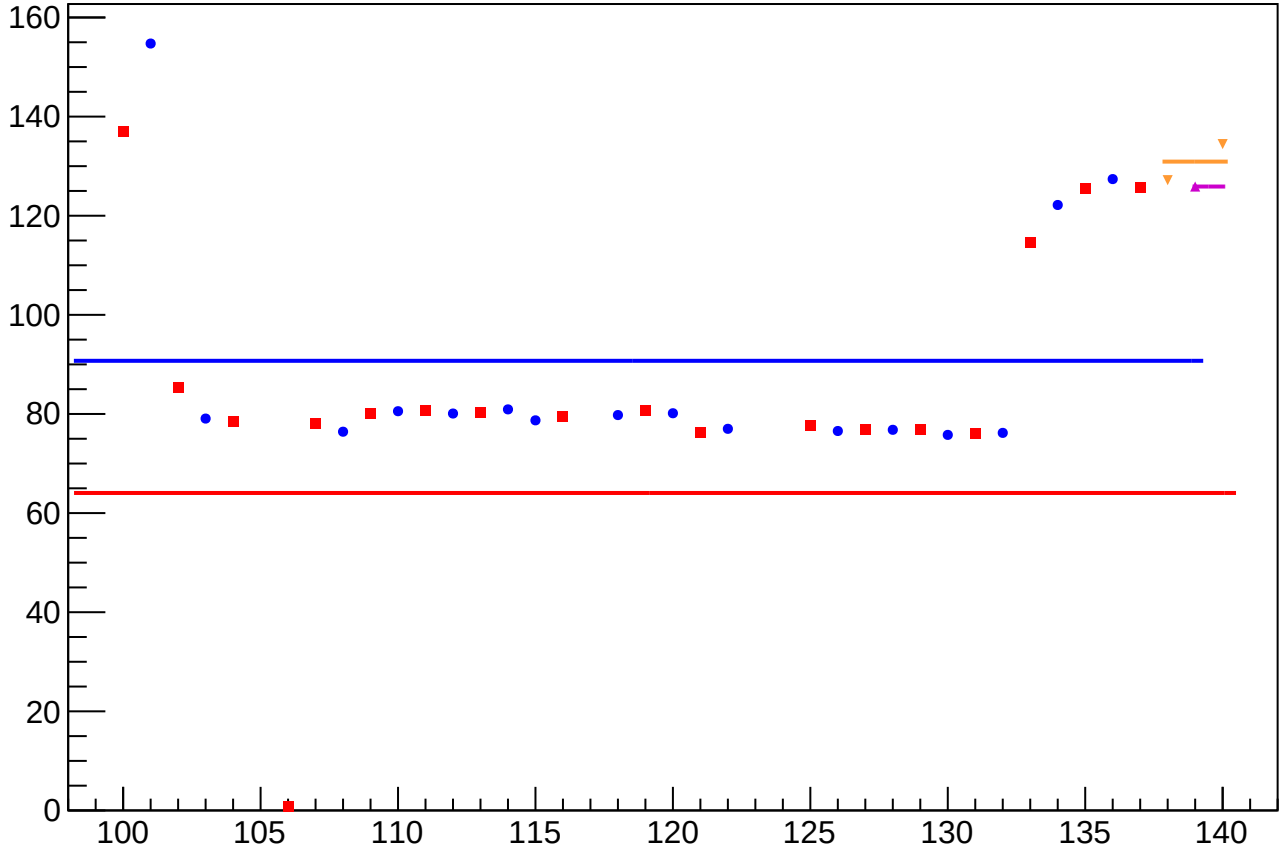
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -45.347+/-0.930 χ^2/NDF:382.2/16

Out: -44.211+/-0.868 χ^2/NDF:499.8/19

All: -44.739+/-0.634 χ^2/NDF: 882.8/36

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 130.919+/-0.122 χ^2/NDF:893.2/1

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 125.890+/-0.159 χ^2/NDF:0.0/0

Left: 129.062+/-0.097 χ^2/NDF: 1522.8/2

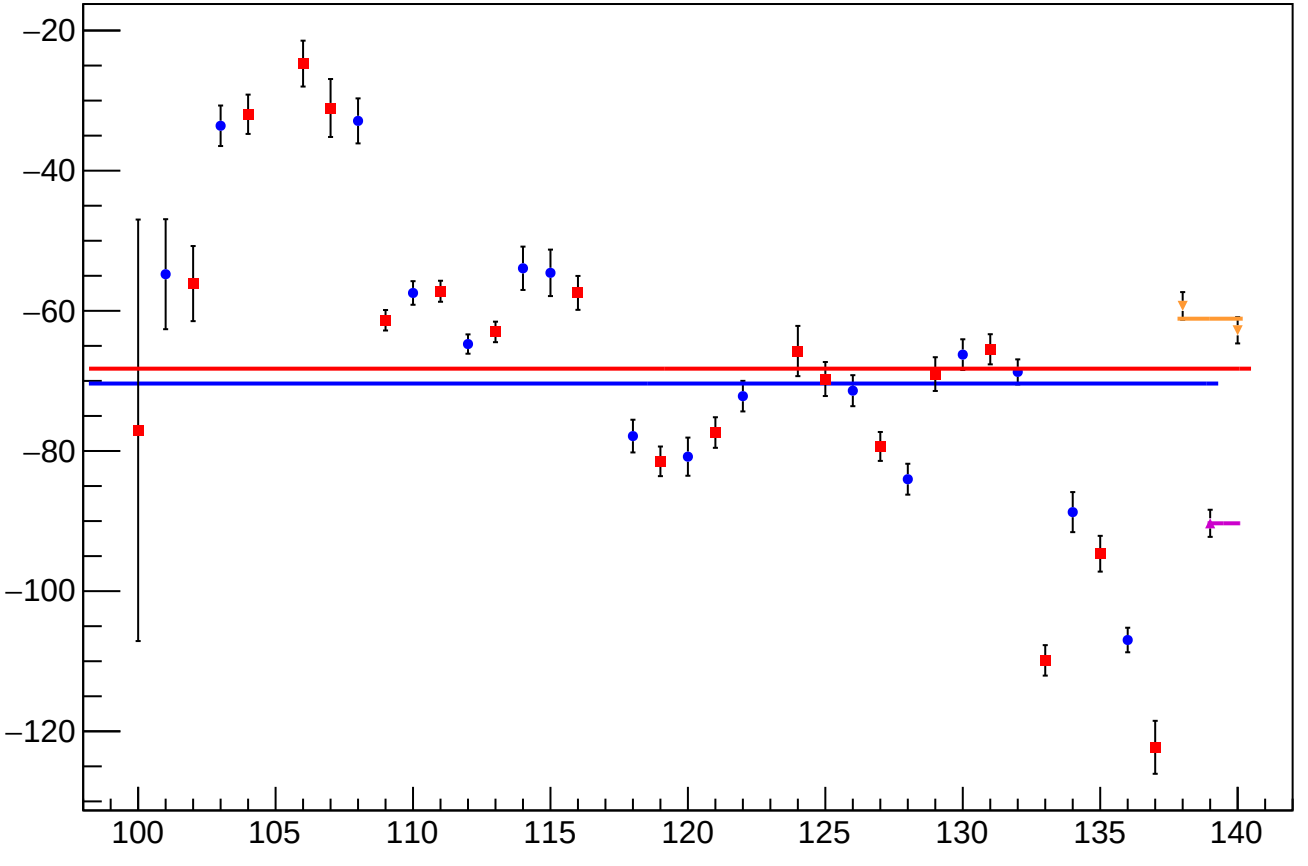
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 94.908+/-0.055 χ^2/NDF:204152.0/16

Out: 73.474+/-0.046 χ^2/NDF:920862.0/19

All: 82.246+/-0.035 χ^2/NDF: 1215074.1/36

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: -61.122+/-1.356 χ^2/NDF:1.6/1

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -90.320+/-1.935 χ^2/NDF:0.0/0

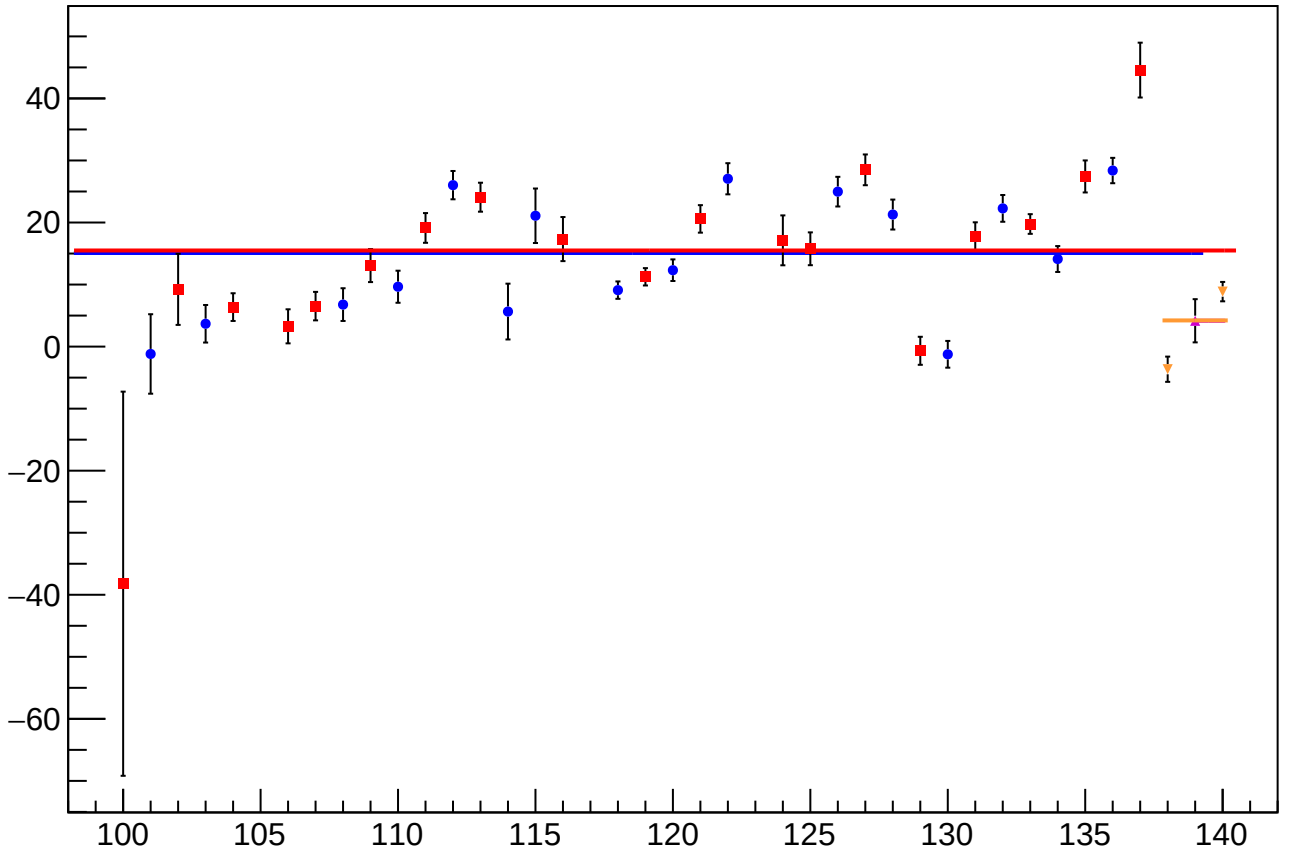
Left: -70.737+/-1.110 χ^2/NDF: 154.4/2

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -71.905+/-0.536 χ^2/NDF:1073.0/16

Out: -67.317+/-0.491 χ^2/NDF:1331.6/20

All: -69.410+/-0.362 χ^2/NDF: 2444.5/37



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 4.219+/-1.239 χ^2/NDF:23.8/1

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 4.163+/-3.482 χ^2/NDF:0.0/0

Left: 4.213+/-1.167 χ^2/NDF: 23.8/2

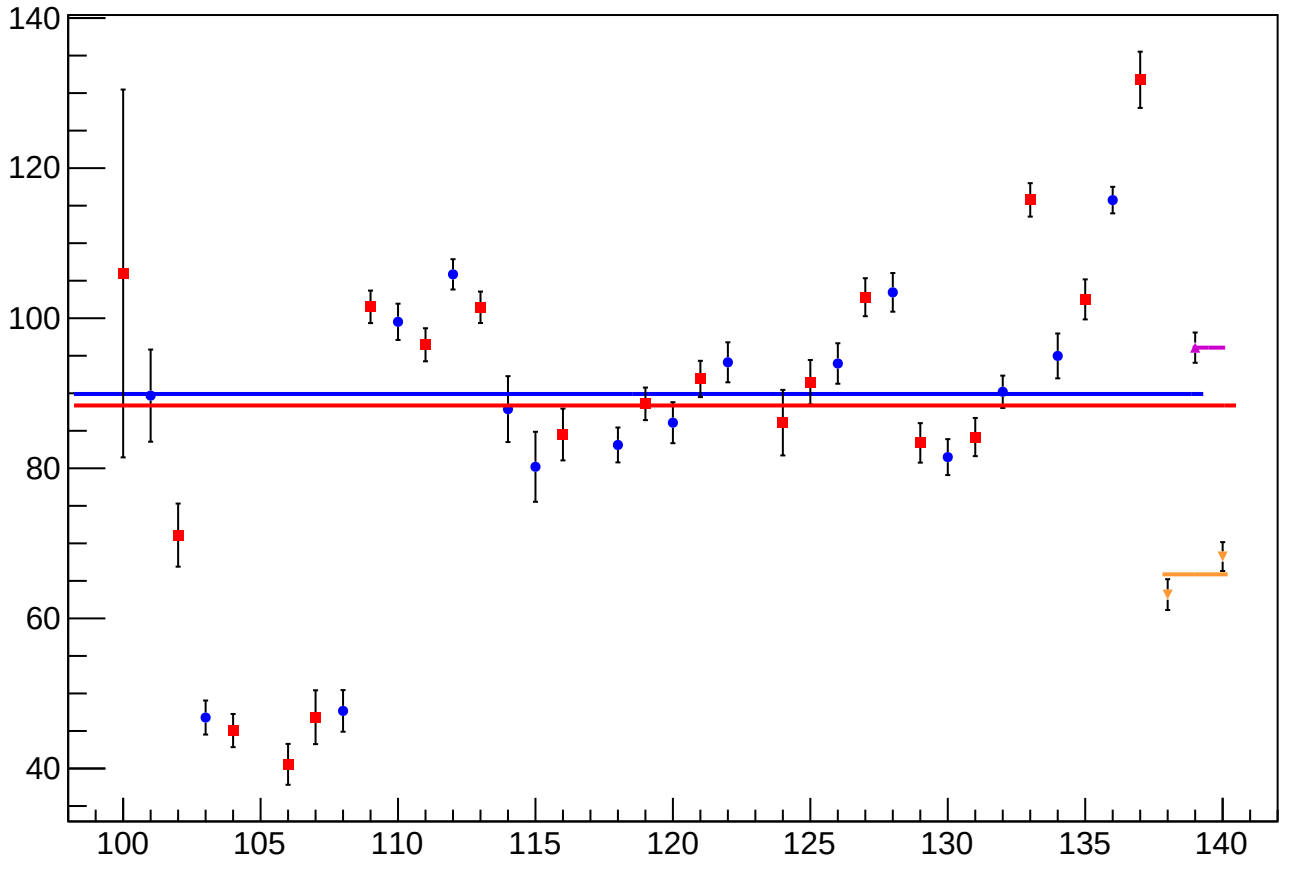
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 14.796+/-0.573 χ^2/NDF:252.0/16

Out: 13.589+/-0.509 χ^2/NDF:331.9/20

All: 14.121+/-0.381 χ^2/NDF: 586.4/37

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: 65.872+/-1.404 χ^2/NDF:3.2/1

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 96.082+/-2.017 χ^2/NDF:0.0/0

Left: 75.733+/-1.152 χ^2/NDF: 154.4/2

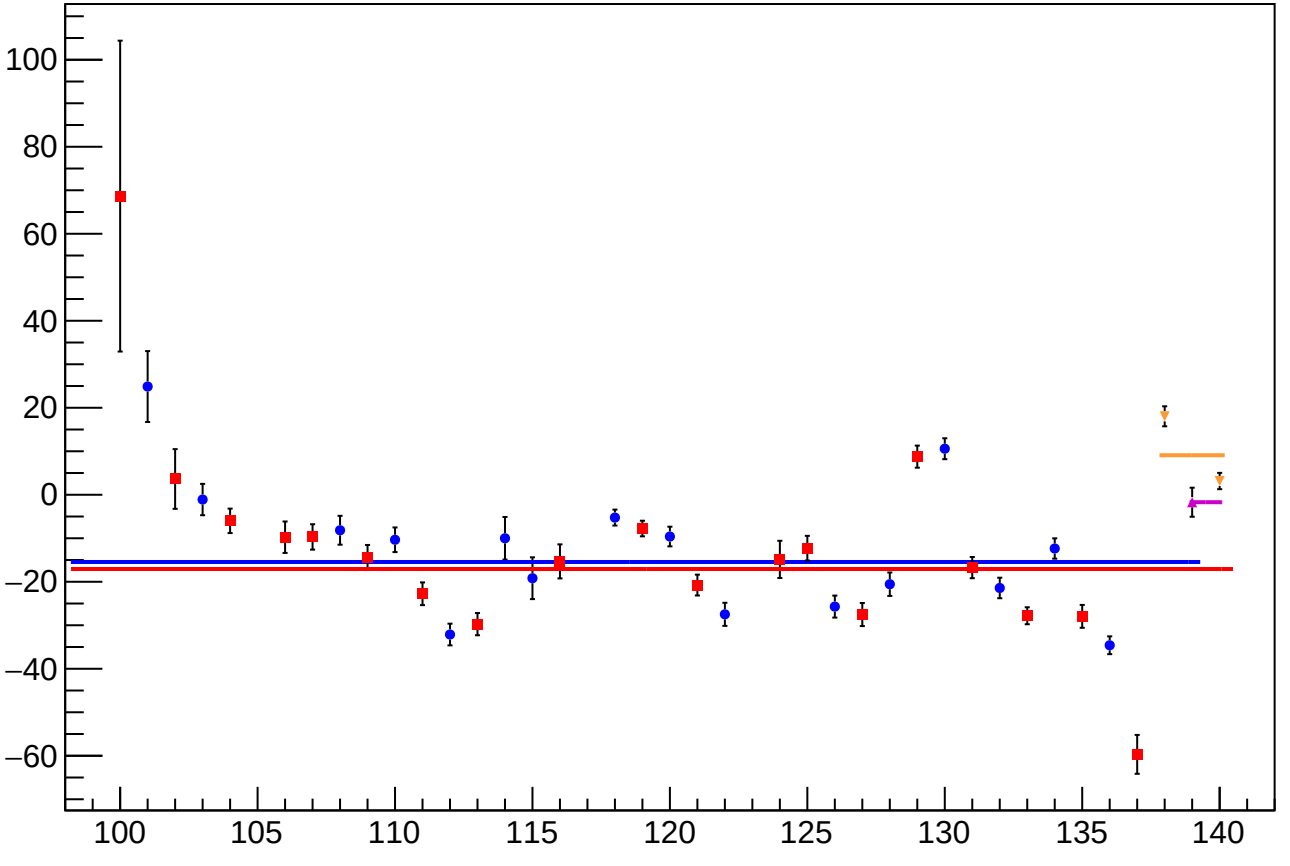
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 90.473+/-0.611 χ^2/NDF:956.2/16

Out: 84.728+/-0.565 χ^2/NDF:1507.4/20

All: 87.379+/-0.415 χ^2/NDF: 2511.3/37

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: 9.087+/-1.452 χ^2/NDF:25.2/1

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -1.713+/-3.338 χ^2/NDF:0.0/0

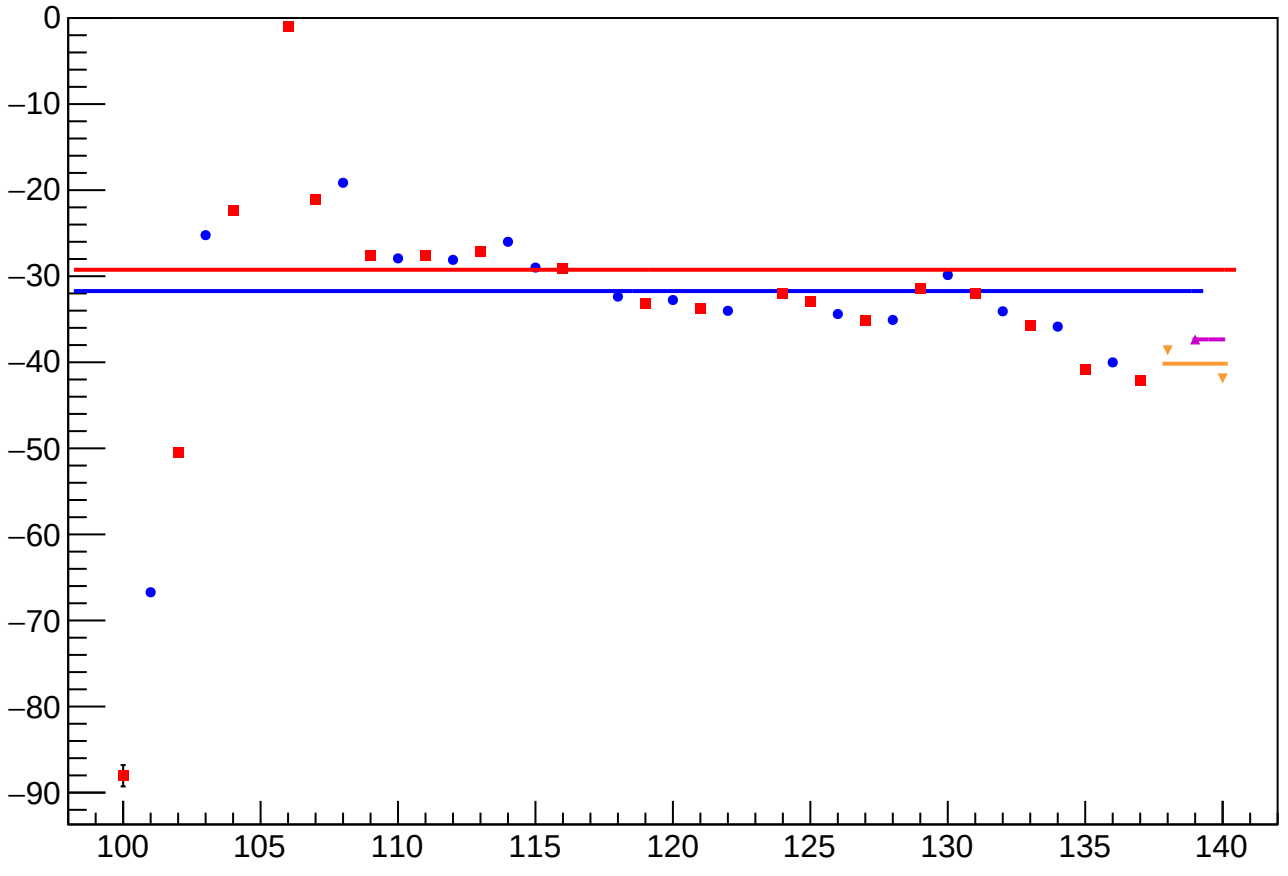
Left: 7.369+/-1.332 χ^2/NDF: 34.0/2

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -14.929+/-0.653 χ^2/NDF:402.8/16

Out: -12.772+/-0.588 χ^2/NDF:657.3/20

All: -13.739+/-0.437 χ^2/NDF: 1066.1/37



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -40.162+/-0.059 χ^2/NDF:761.5/1

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -37.342+/-0.072 χ^2/NDF:0.0/0

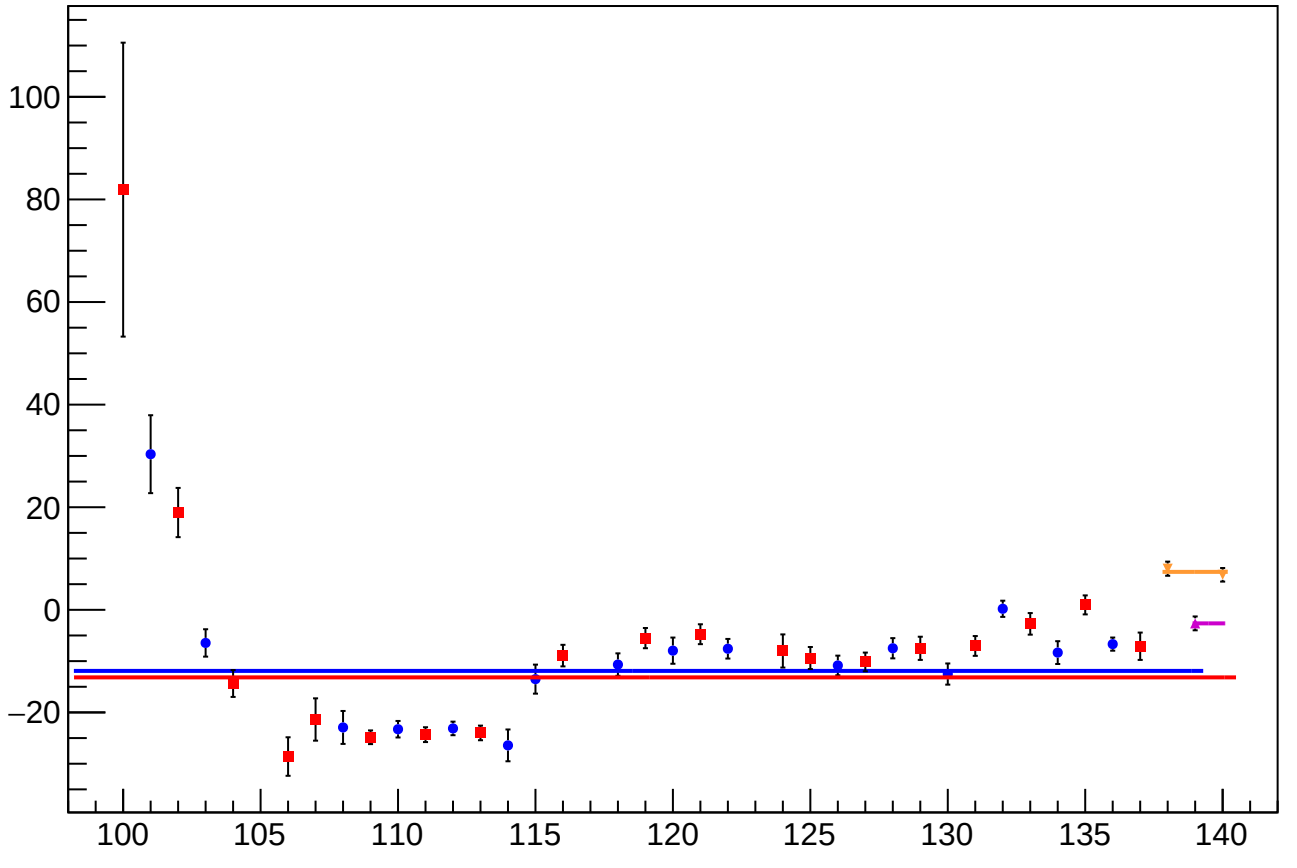
Left: -39.029+/-0.046 χ^2/NDF: 1682.6/2

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -32.978+/-0.034 χ^2/NDF:44381.6/16

Out: -32.507+/-0.032 χ^2/NDF:120067.7/20

All: -32.730+/-0.023 χ^2/NDF: 164550.7/37



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 7.397+/-0.955 χ^2/NDF:0.4/1

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -2.642+/-1.352 χ^2/NDF:0.0/0

Left: 4.053+/-0.780 χ^2/NDF: 37.2/2

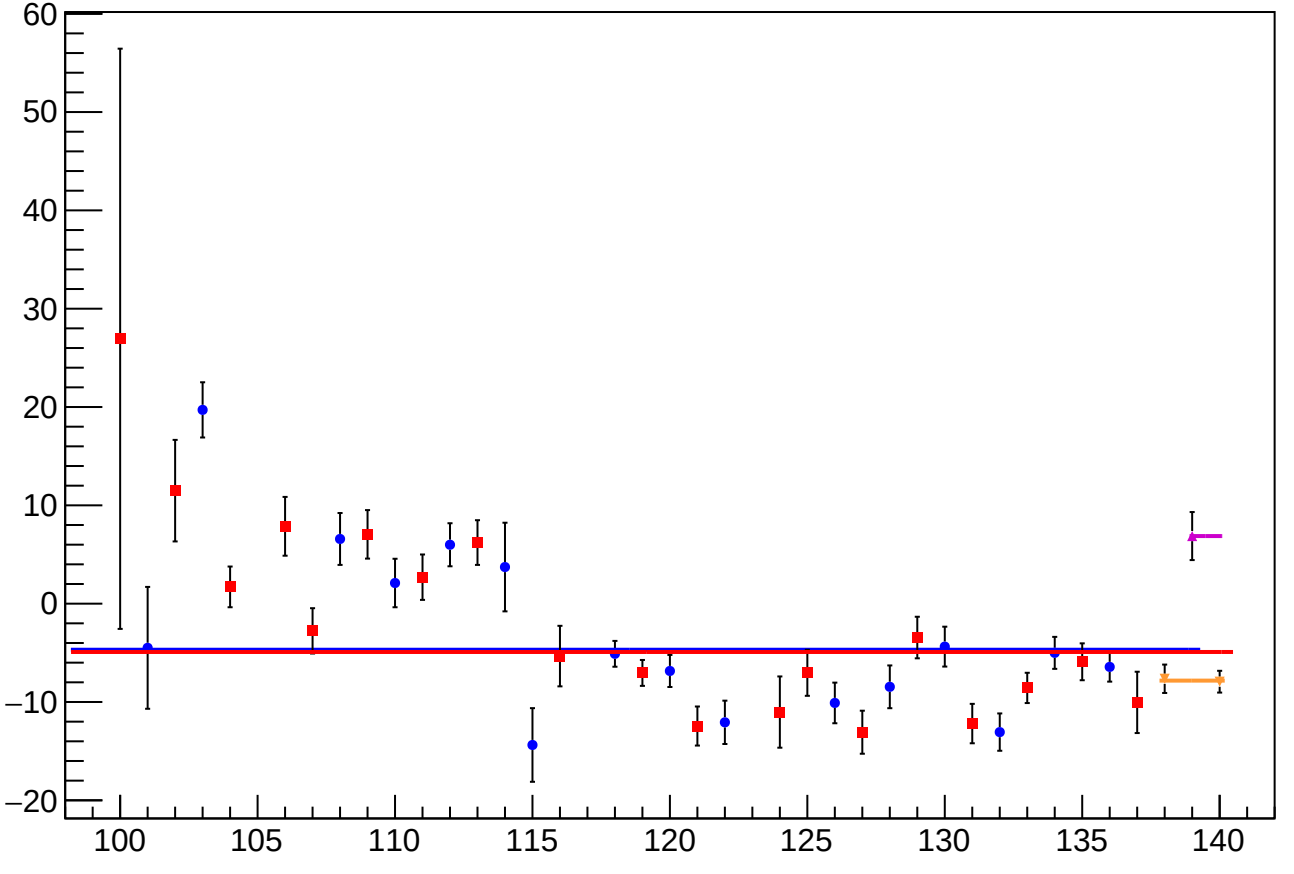
Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -10.804+/-0.466 χ^2/NDF:323.5/16

Out: -9.021+/-0.429 χ^2/NDF:792.0/20

All: -9.838+/-0.316 χ^2/NDF: 1123.4/37

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -7.826+/-0.879 χ^2/NDF:0.0/1

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: 6.875+/-2.443 χ^2/NDF:0.0/0

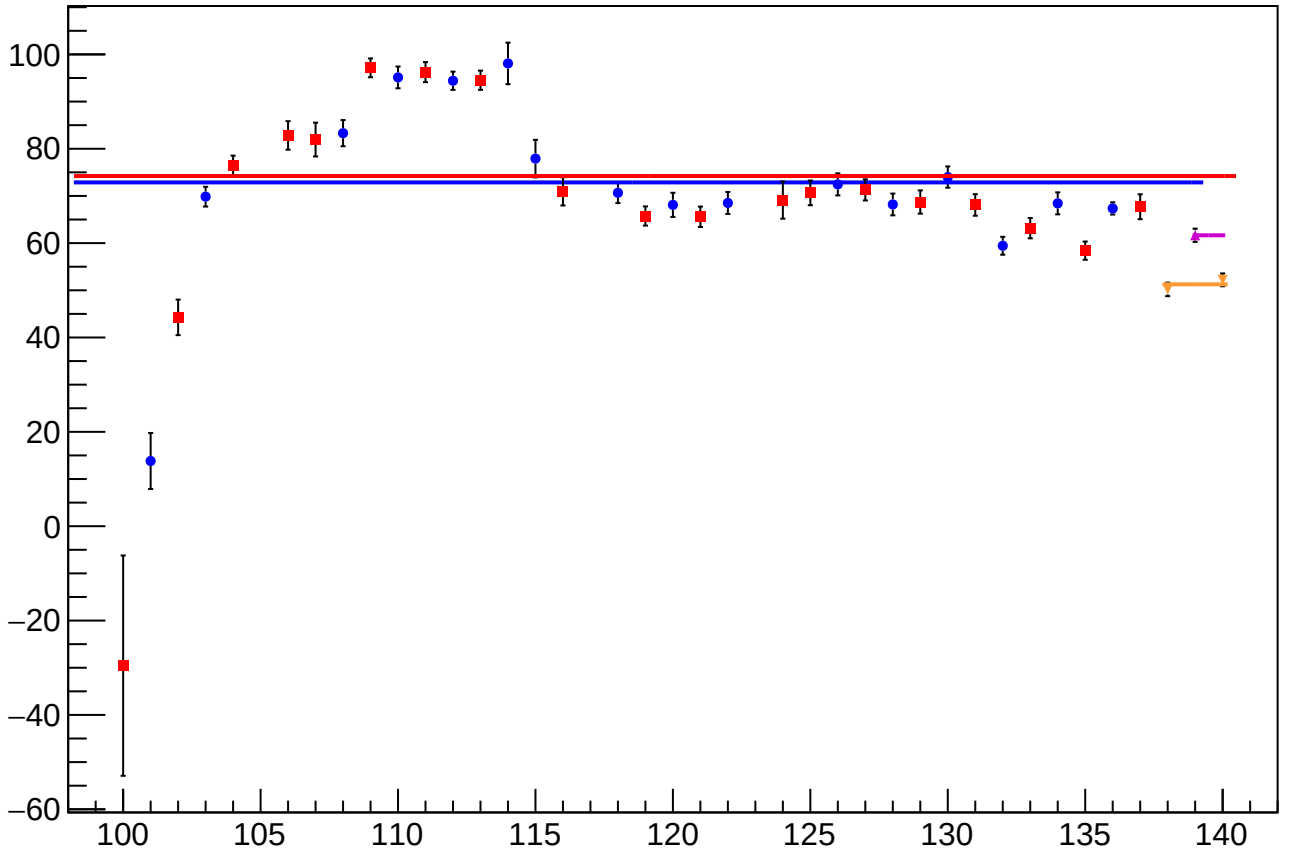
Left: -6.141+/-0.827 χ^2/NDF: 32.1/2

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.190+/-0.506 χ^2/NDF:200.5/16

Out: -5.653+/-0.443 χ^2/NDF:164.1/20

All: -5.018+/-0.333 χ^2/NDF: 369.3/37



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 51.264+/-0.989 χ^2/NDF:1.0/1

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 61.660+/-1.408 χ^2/NDF:0.0/0

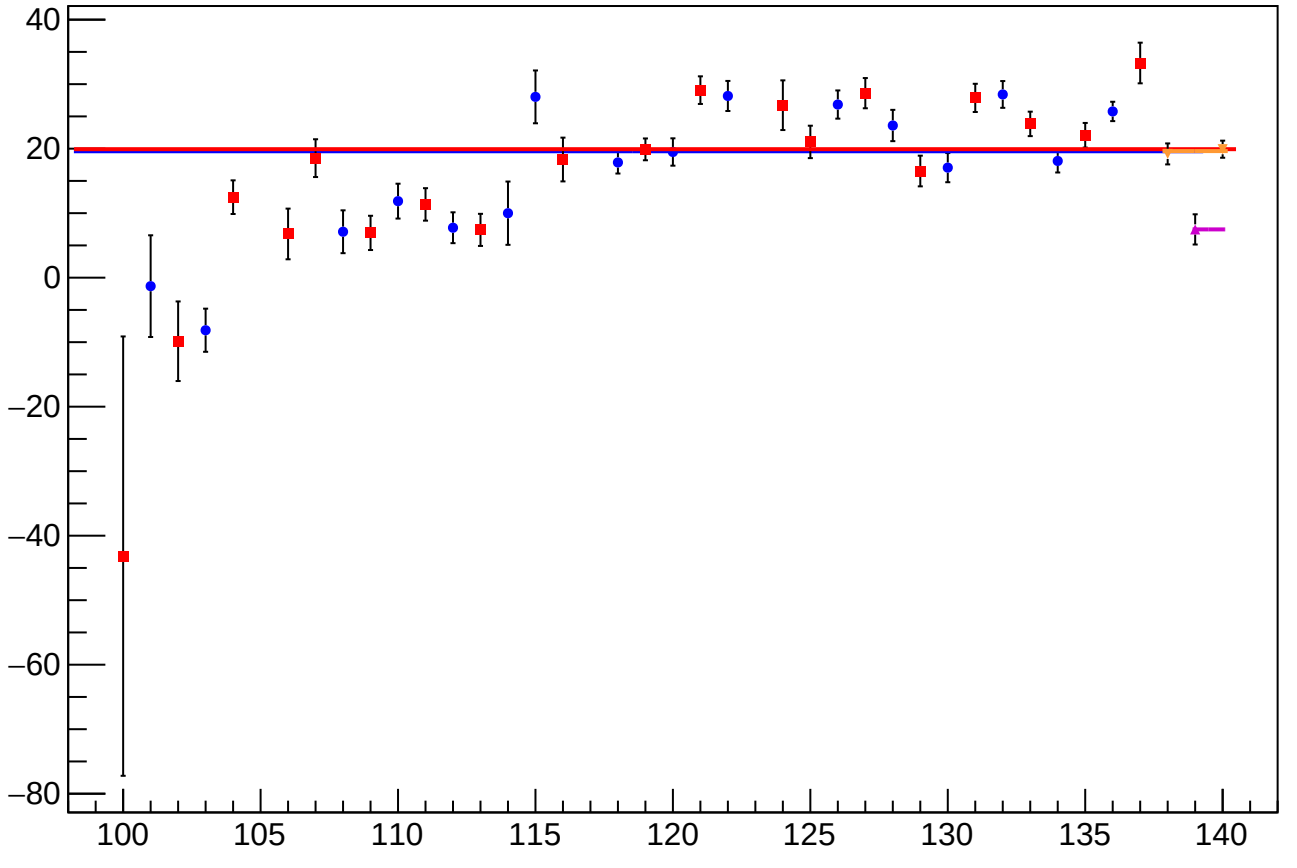
Left: 54.700+/-0.810 χ^2/NDF: 37.5/2

Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

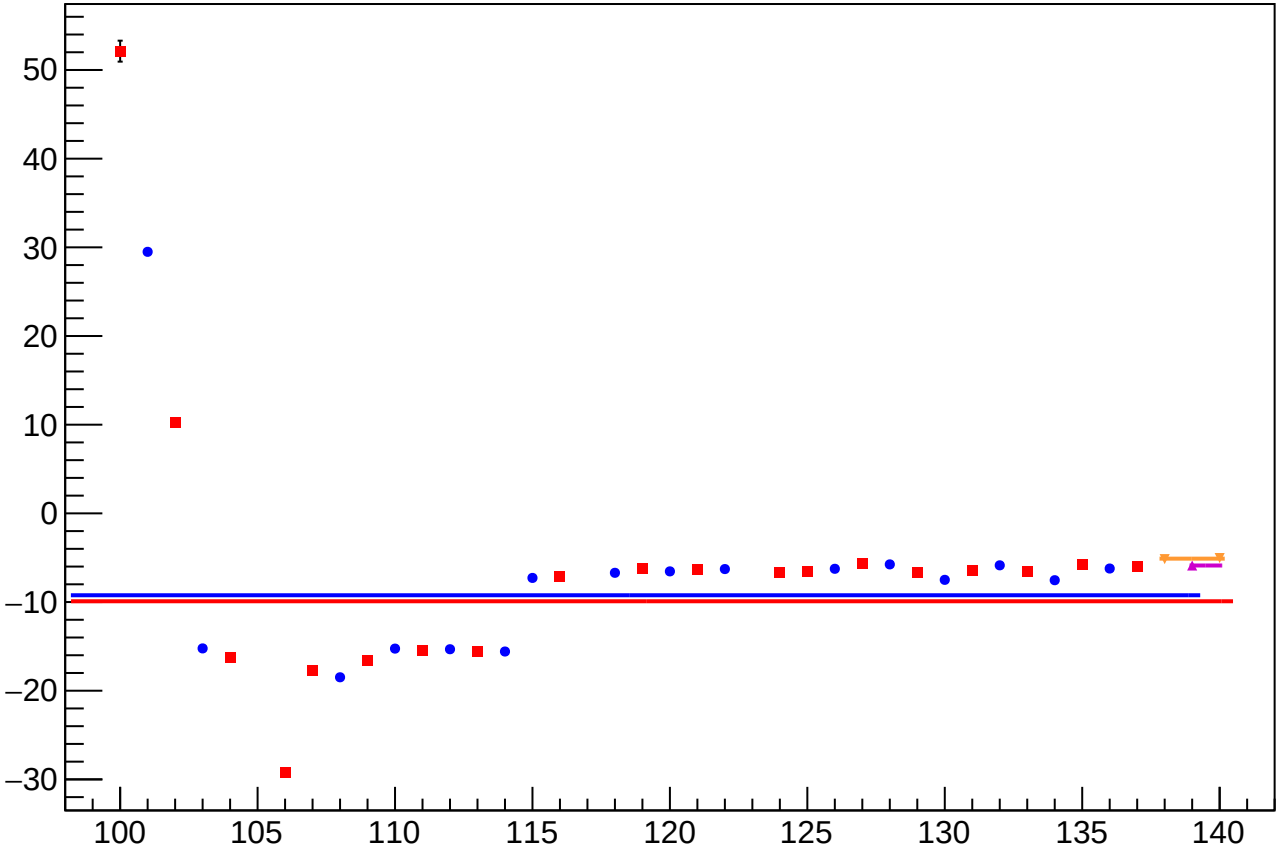
In: 71.311+/-0.525 χ^2/NDF:505.2/16

Out: 68.614+/-0.489 χ^2/NDF:994.0/20

All: 69.867+/-0.358 χ^2/NDF: 1513.4/37


reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
105
110
115
120
125
130
135
140
Right In: 19.598+/-0.585 χ²/NDF: 196.0/15
Left Out: 19.624+/-1.028 χ²/NDF:0.1/1
Right Out: 19.919+/-0.585 χ²/NDF: 181.3/18
Left In: 7.482+/-2.343 χ²/NDF:0.0/0
Left: 17.665+/-0.941 χ²/NDF: 22.6/2
Right: 19.759+/-0.414 χ²/NDF: 377.5/34
In: 18.886+/-0.568 χ²/NDF:221.1/16
Out: 19.847+/-0.509 χ²/NDF:181.5/20
All: 19.419+/-0.379 χ²/NDF: 404.3/37

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -5.107+/-0.041 χ^2/NDF:2.1/1

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -5.879+/-0.050 χ^2/NDF:0.0/0

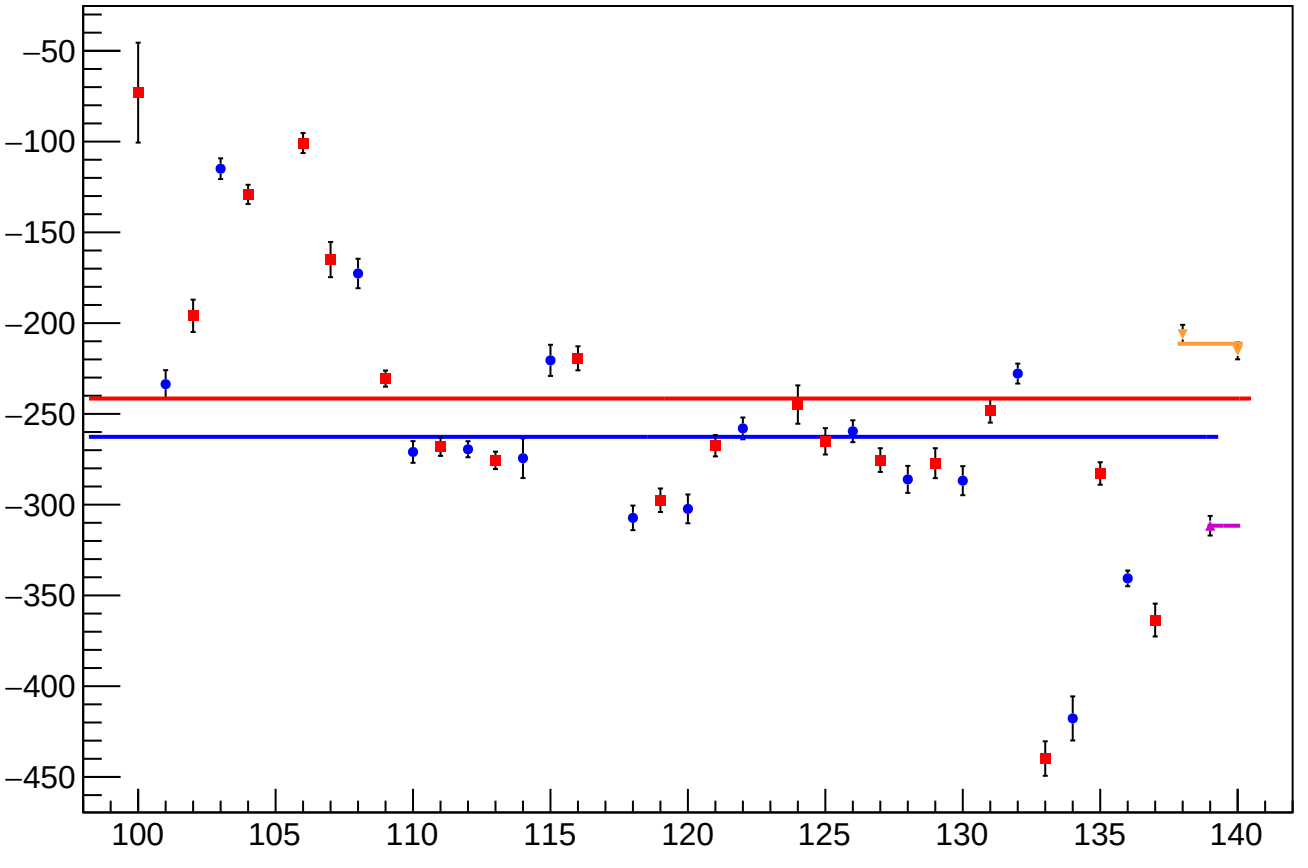
Left: -5.418+/-0.032 χ^2/NDF: 142.7/2

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -8.233+/-0.028 χ^2/NDF:34274.6/16

Out: -7.944+/-0.026 χ^2/NDF:61847.3/20

All: -8.083+/-0.019 χ^2/NDF: 96179.6/37



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -211.339+/-3.465 χ^2/NDF:1.7/1

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -311.605+/-5.400 χ^2/NDF:0.0/0

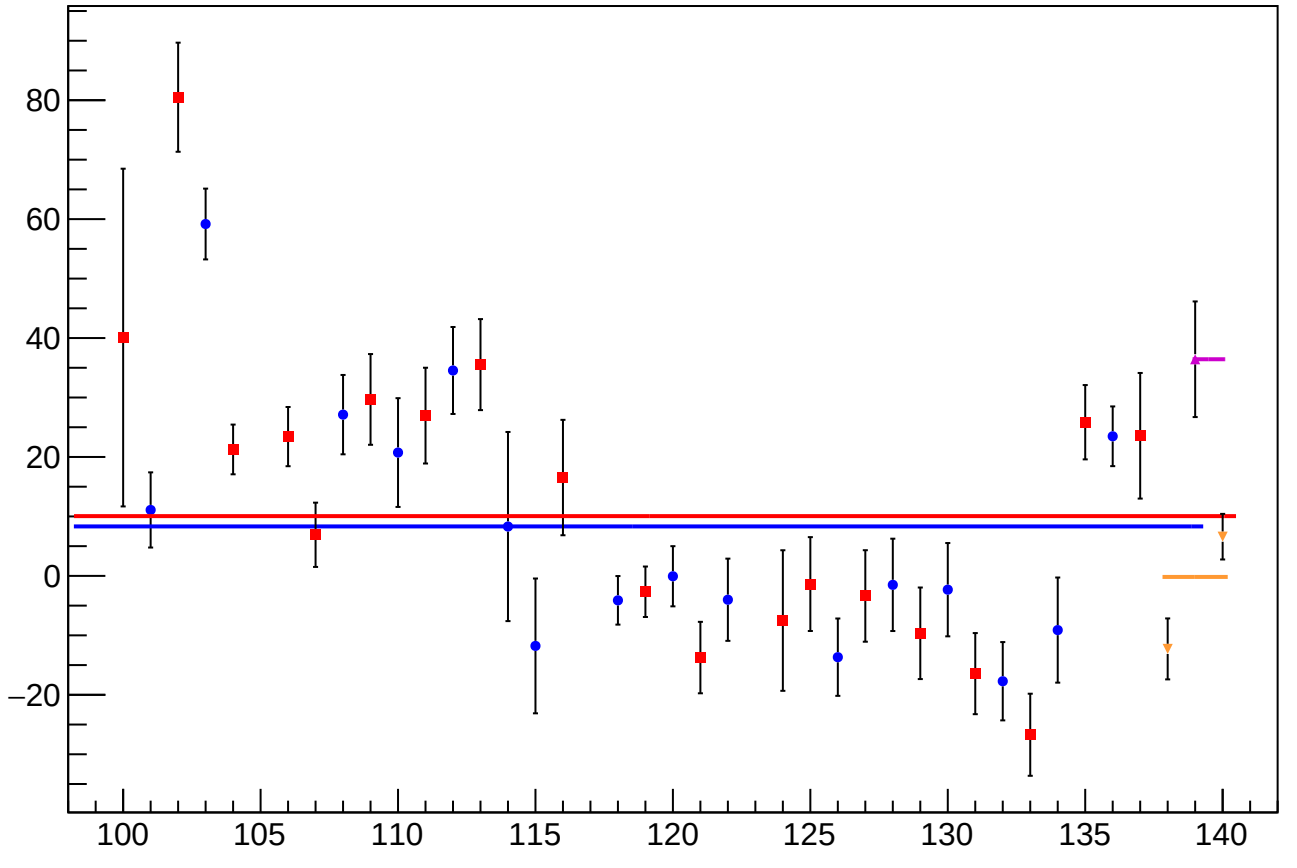
Left: -240.578+/-2.916 χ^2/NDF: 245.9/2

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -266.657+/-1.546 χ^2/NDF:1529.8/16

Out: -236.748+/-1.381 χ^2/NDF:2204.2/20

All: -250.022+/-1.030 χ^2/NDF: 3942.1/37



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: -0.175+/-3.071 χ^2/NDF:8.7/1

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 36.434+/-9.724 χ^2/NDF:0.0/0

Left: 3.144+/-2.928 χ^2/NDF: 21.6/2

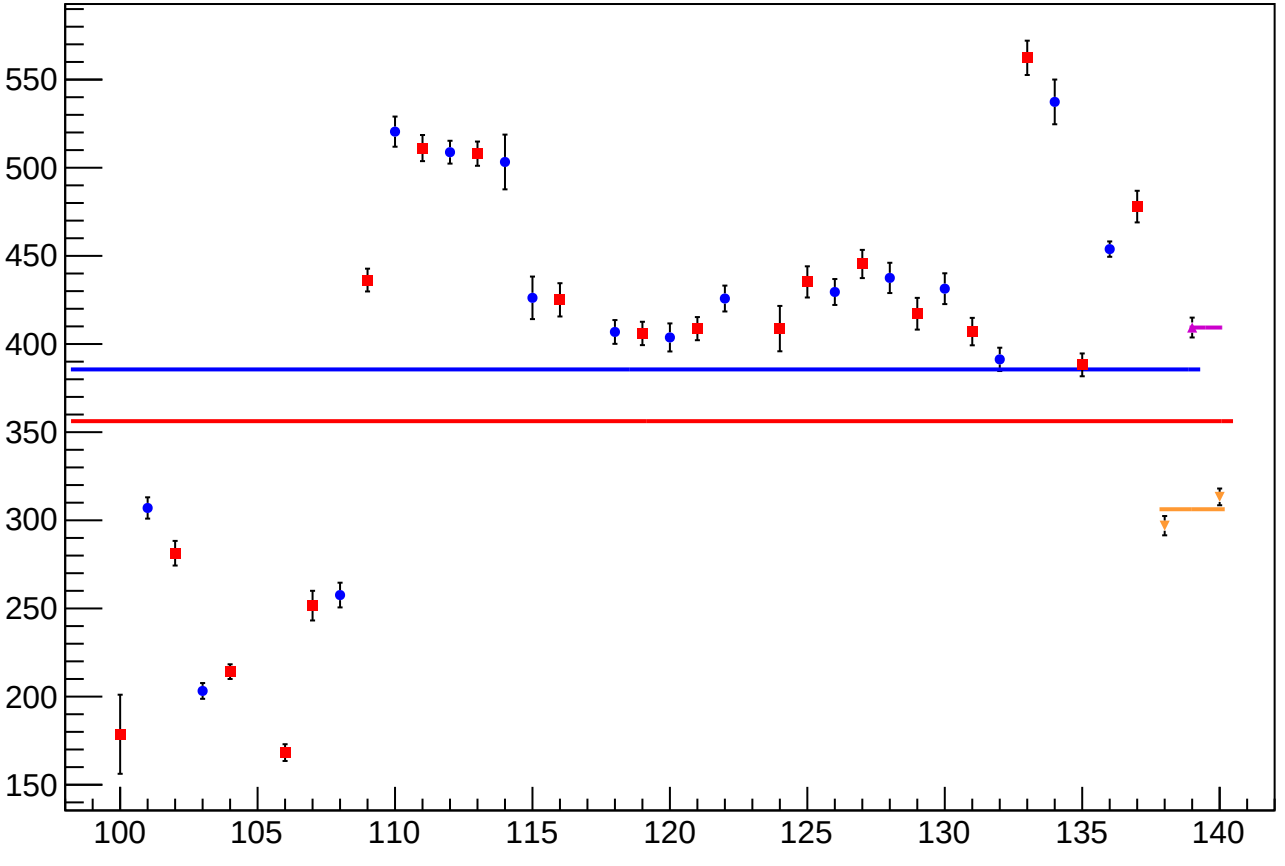
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 9.101+/-1.621 χ^2/NDF:165.8/16

Out: 7.999+/-1.376 χ^2/NDF:205.0/20

All: 8.461+/-1.049 χ^2/NDF: 371.0/37

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 306.280+/-3.585 χ^2/NDF:5.1/1

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 409.347+/-5.629 χ^2/NDF:0.0/0

Left: 336.021+/-3.024 χ^2/NDF: 243.6/2

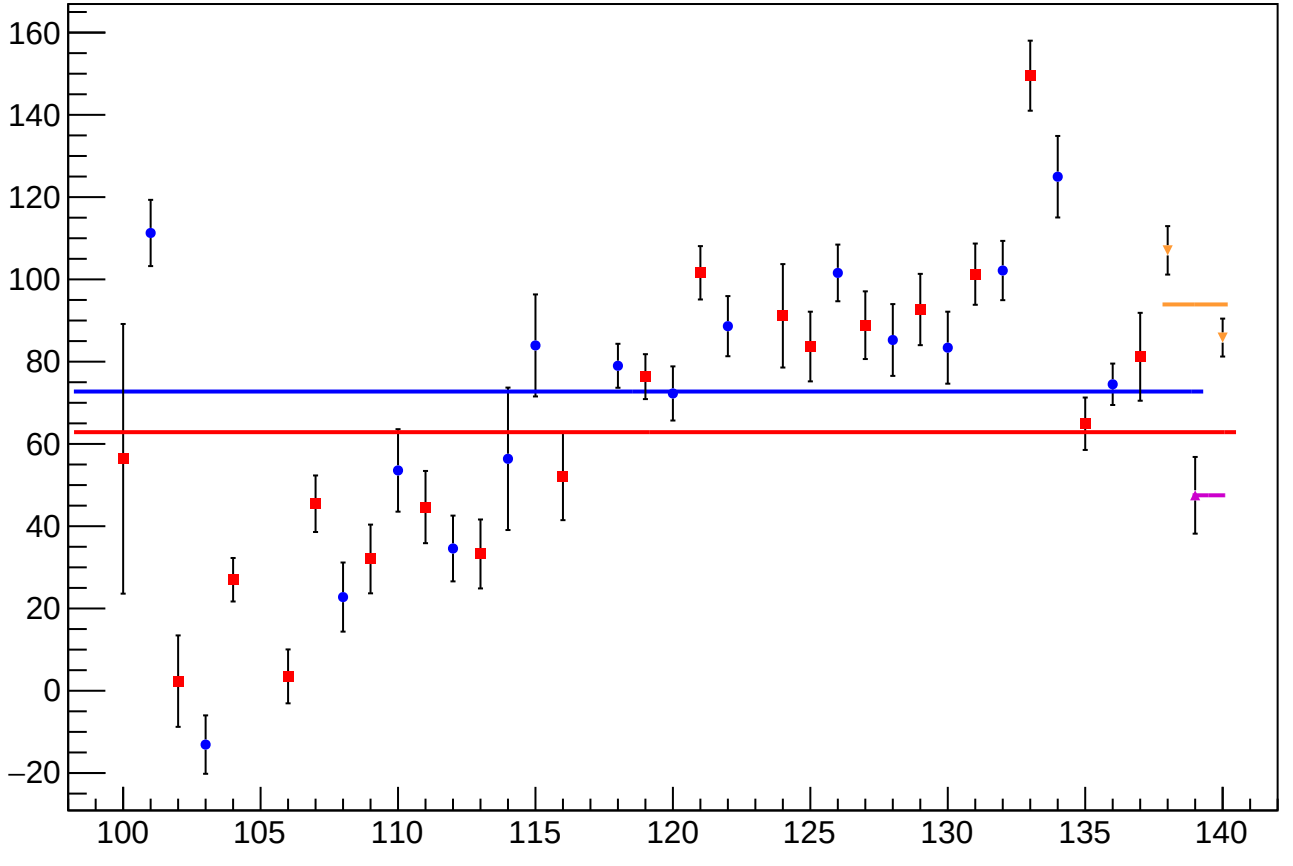
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 387.667+/-1.664 χ^2/NDF:3389.4/16

Out: 347.542+/-1.496 χ^2/NDF:5435.8/20

All: 365.476+/-1.113 χ^2/NDF: 9146.5/37

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 93.910+/-3.631 χ^2/NDF:8.0/1

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 47.513+/-9.323 χ^2/NDF:0.0/0

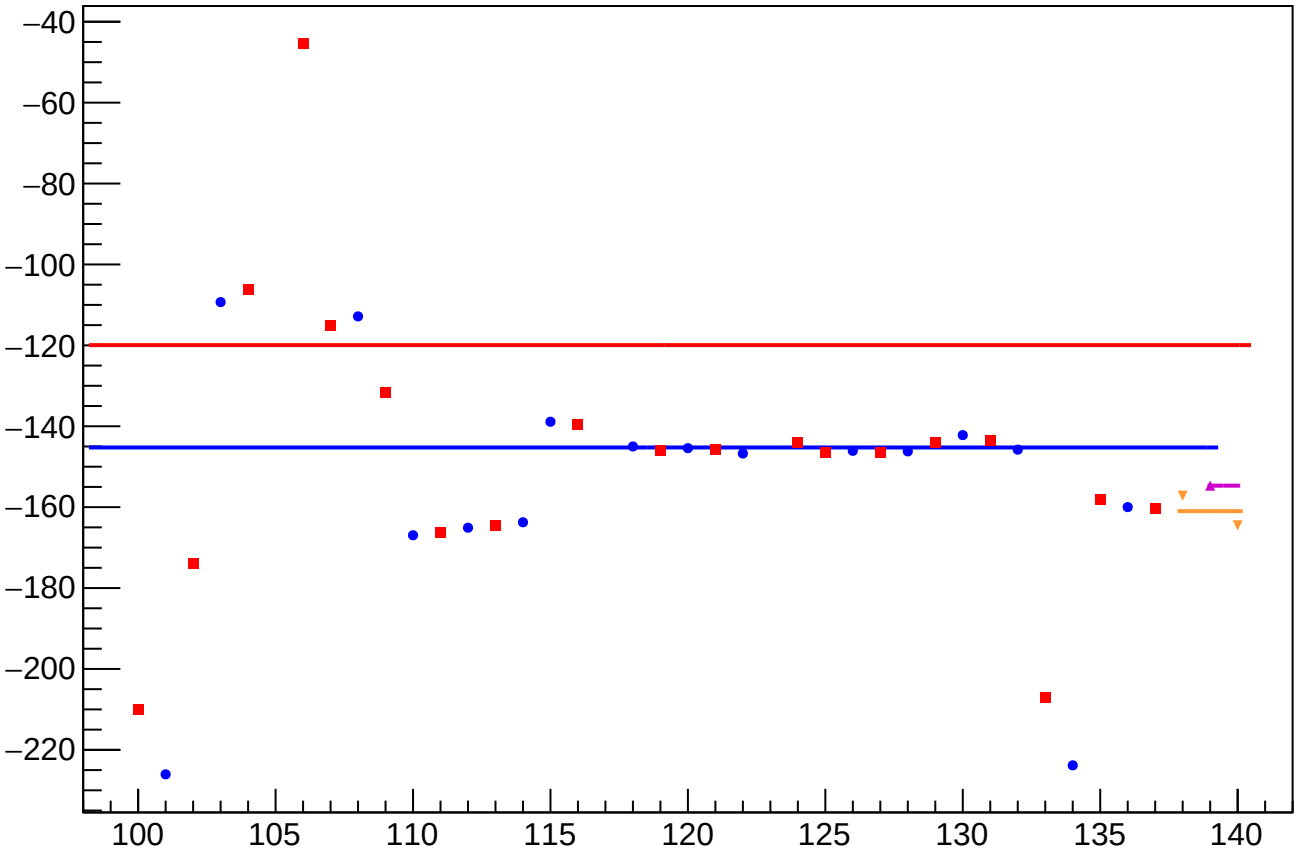
Left: 87.799+/-3.384 χ^2/NDF: 29.5/2

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 71.737+/-1.859 χ^2/NDF:311.3/16

Out: 68.958+/-1.609 χ^2/NDF:470.4/20

All: 70.149+/-1.217 χ^2/NDF: 783.0/37



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -160.984+/-0.153 χ^2/NDF:573.9/1

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -154.687+/-0.201 χ^2/NDF:0.0/0

Left: -158.678+/-0.122 χ^2/NDF: 1196.6/2

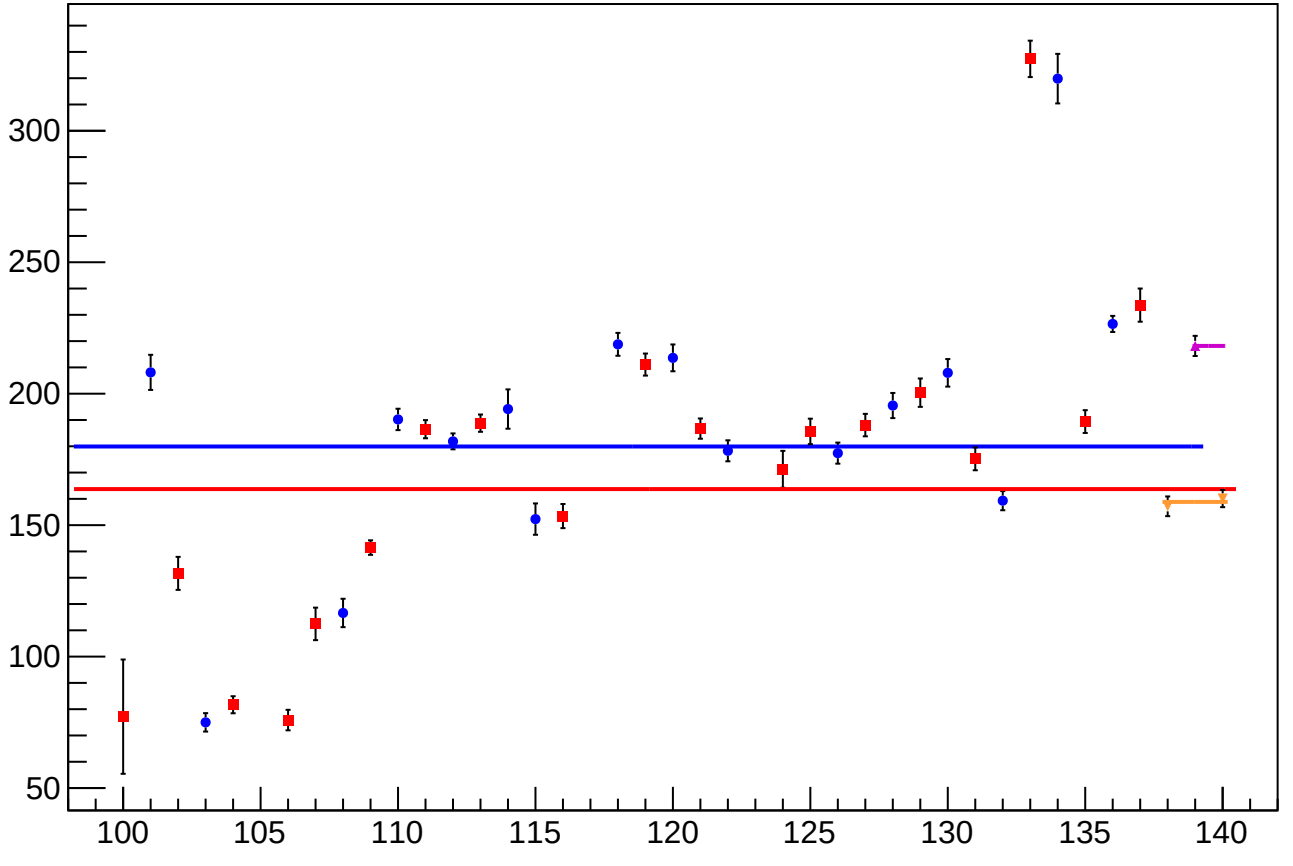
Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -147.071+/-0.088 χ^2/NDF:133838.8/16

Out: -130.345+/-0.077 χ^2/NDF:324835.4/20

All: -137.555+/-0.058 χ^2/NDF: 479078.2/37

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 158.841+/-2.468 χ^2/NDF:0.4/1

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 218.173+/-3.831 χ^2/NDF:0.0/0

Left: 176.240+/-2.075 χ^2/NDF: 169.9/2

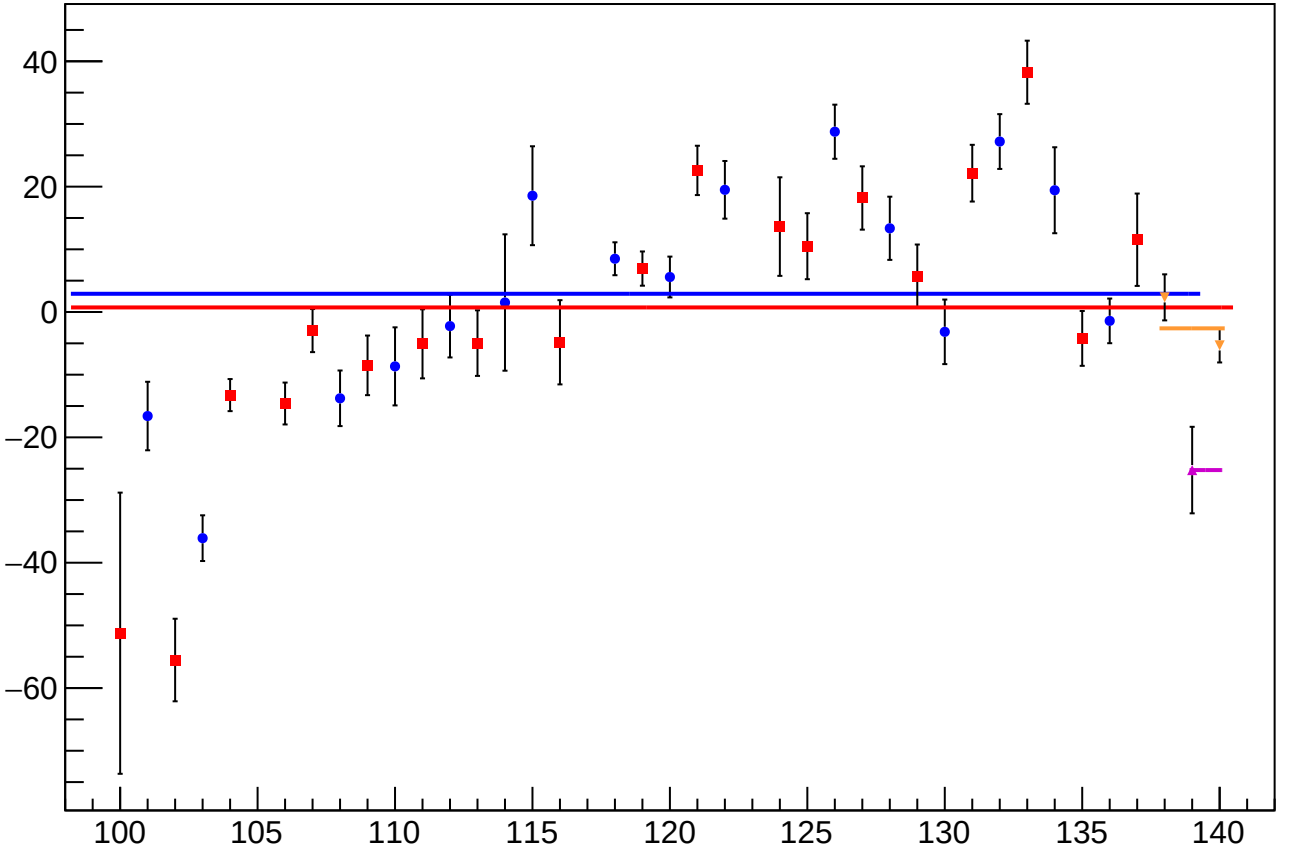
Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 182.776+/-1.047 χ^2/NDF:1824.9/16

Out: 163.029+/-0.927 χ^2/NDF:2420.5/20

All: 171.709+/-0.694 χ^2/NDF: 4444.8/37

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -2.608+/-2.188 χ^2/NDF:2.8/1

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -25.220+/-6.902 χ^2/NDF:0.0/0

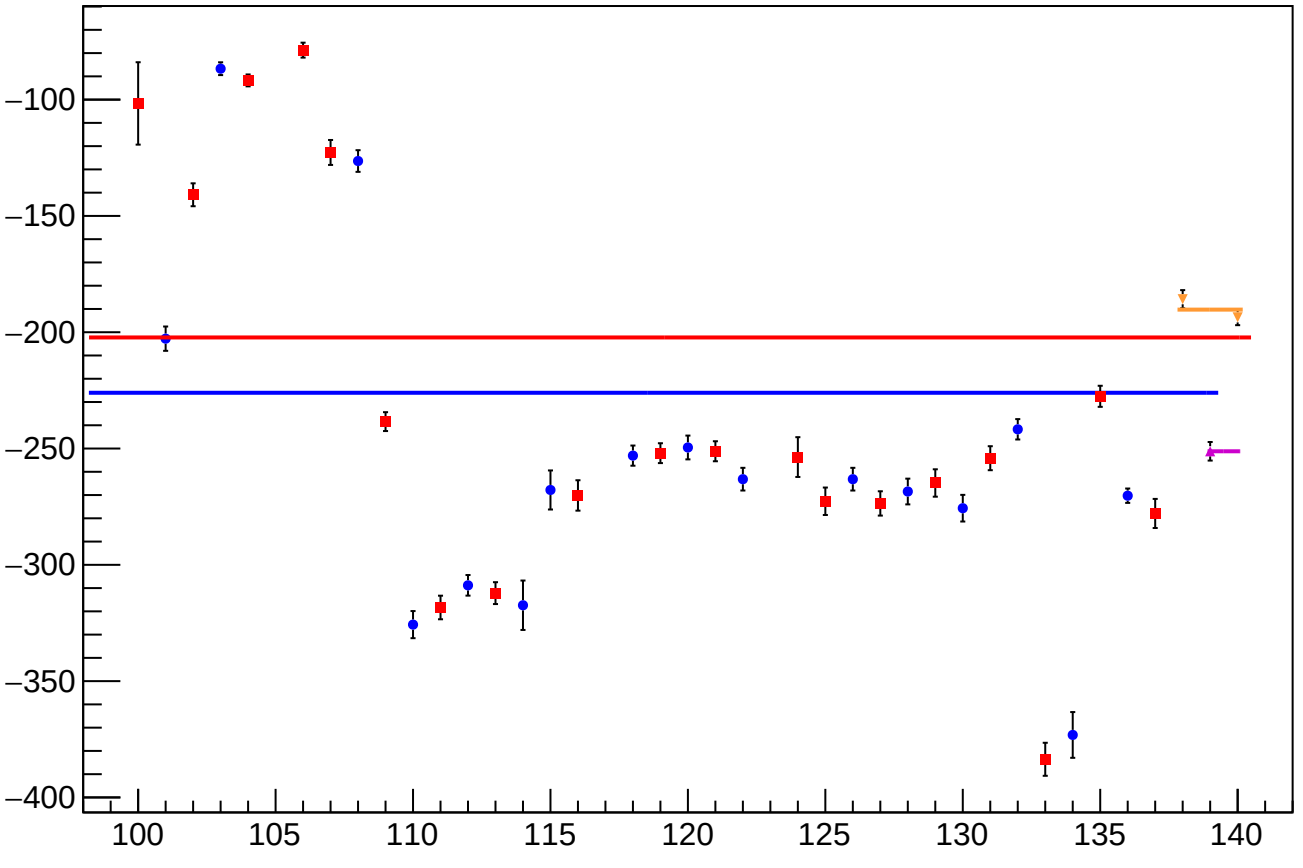
Left: -4.673+/-2.086 χ^2/NDF: 12.6/2

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: 2.205+/-1.091 χ^2/NDF:263.7/16

Out: 0.141+/-0.919 χ^2/NDF:278.3/20

All: 0.997+/-0.703 χ^2/NDF: 544.1/37



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -190.280+/-2.553 χ^2/NDF:2.3/1

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -251.183+/-3.993 χ^2/NDF:0.0/0

Left: -207.954+/-2.151 χ^2/NDF: 167.4/2

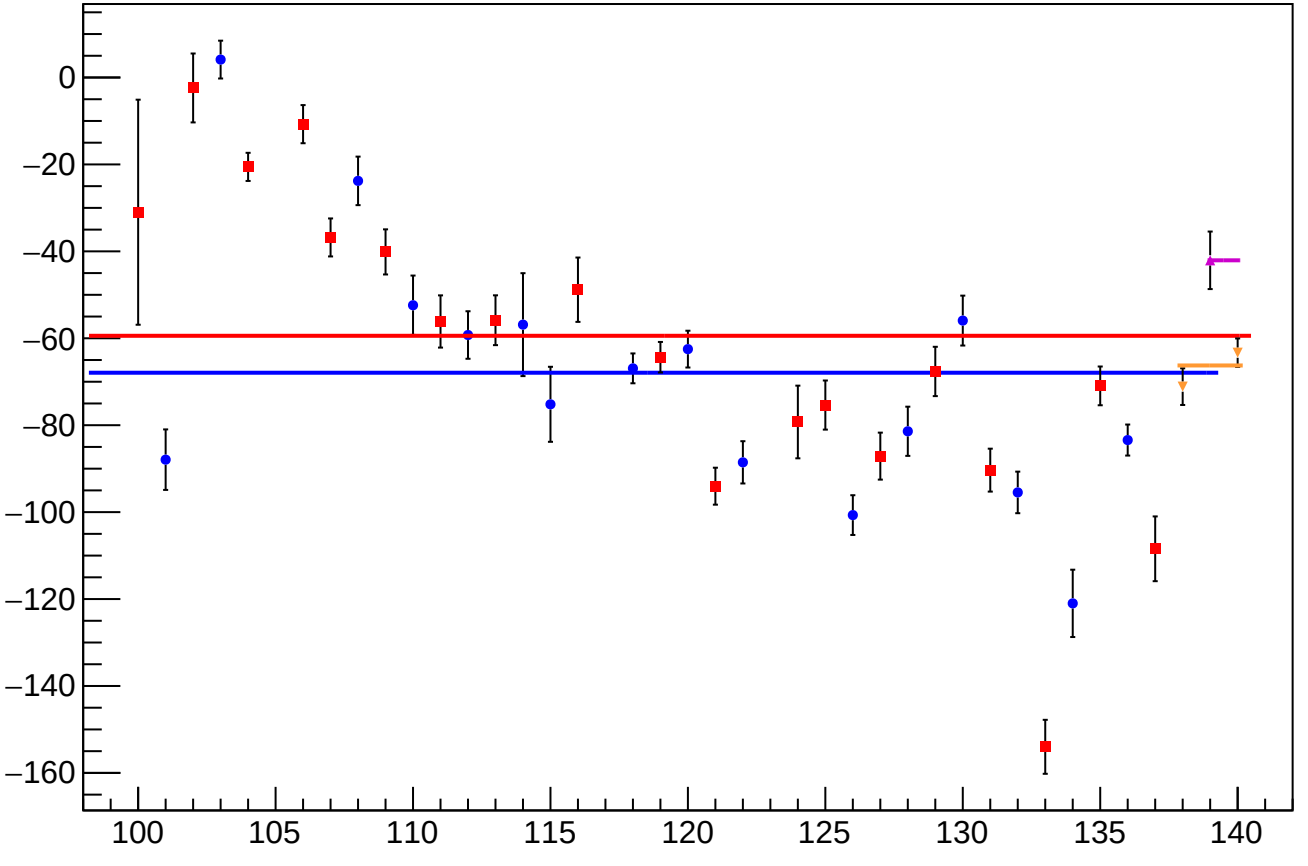
Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -228.032+/-1.127 χ^2/NDF:4575.6/16

Out: -200.411+/-1.000 χ^2/NDF:6711.6/20

All: -212.578+/-0.748 χ^2/NDF: 11623.2/37

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -66.255+/-2.587 χ^2/NDF:2.1/1

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -42.062+/-6.618 χ^2/NDF:0.0/0

Left: -63.048+/-2.409 χ^2/NDF: 13.7/2

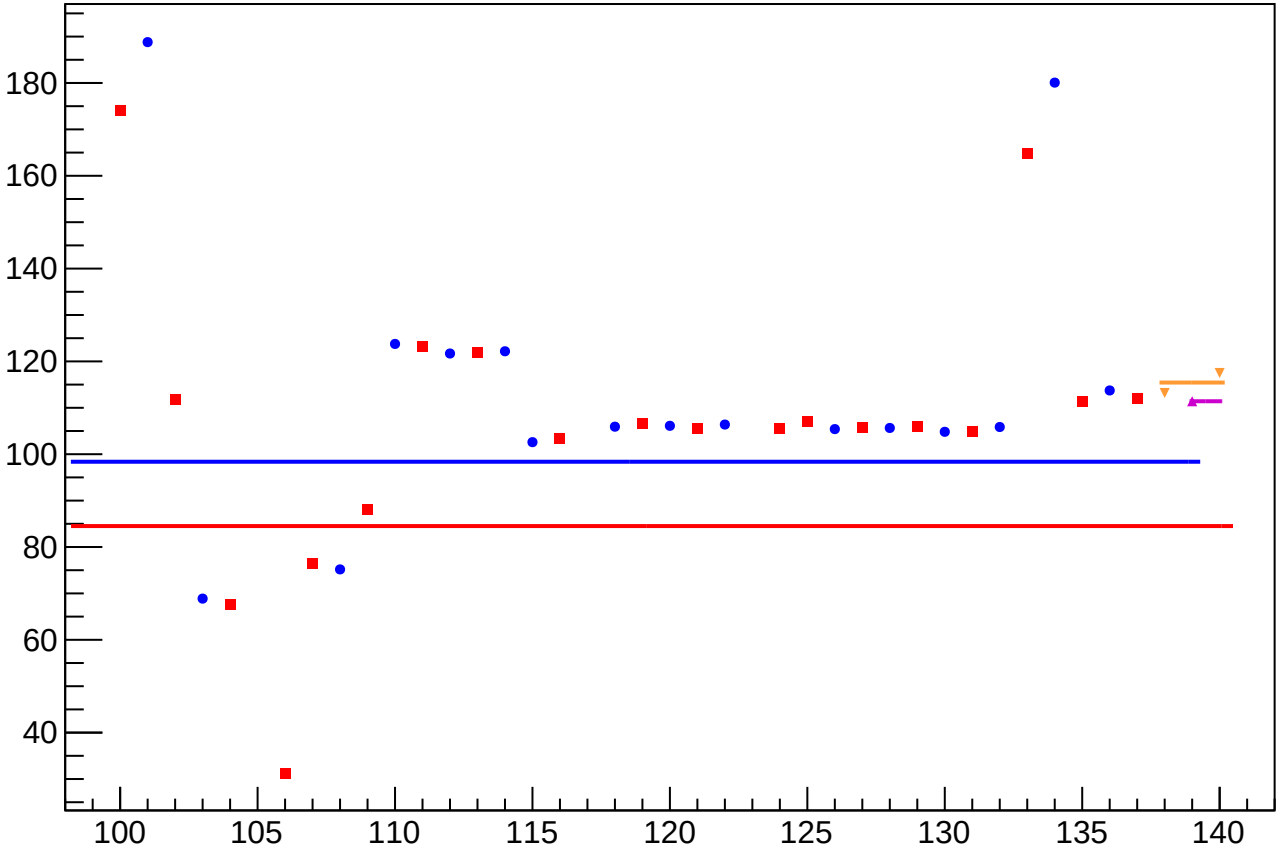
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -66.997+/-1.255 χ^2/NDF:548.8/16

Out: -60.610+/-1.077 χ^2/NDF:802.7/20

All: -63.318+/-0.817 χ^2/NDF: 1366.4/37

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 115.444+/-0.109 χ^2/NDF:391.6/1

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 111.412+/-0.143 χ^2/NDF:0.0/0

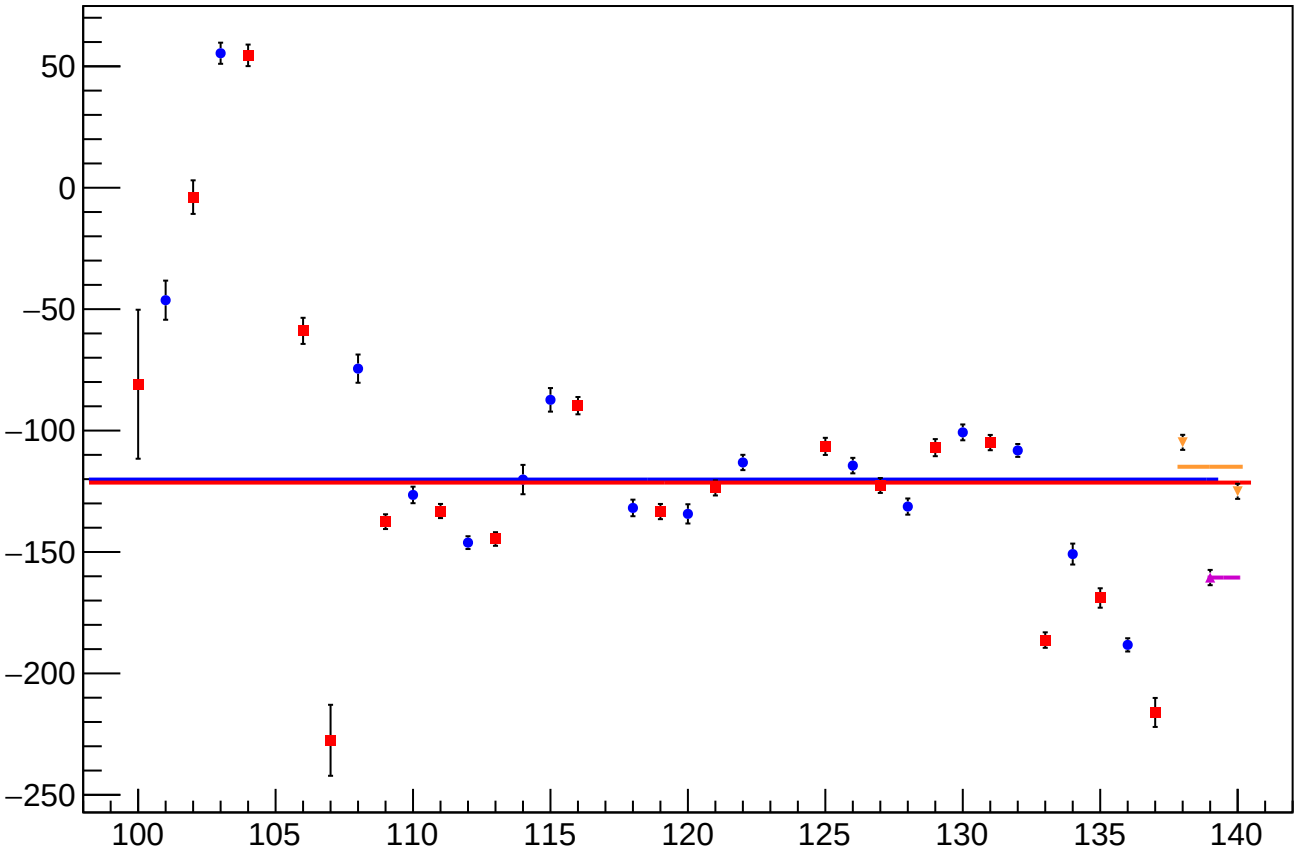
Left: 113.961+/-0.086 χ^2/NDF: 897.1/2

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 100.679+/-0.060 χ^2/NDF:235299.2/16

Out: 91.847+/-0.053 χ^2/NDF:331024.2/20

All: 95.720+/-0.040 χ^2/NDF: 578520.3/37



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -114.895+/-2.197 χ^2/NDF:21.1/1

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -160.525+/-3.150 χ^2/NDF:0.0/0

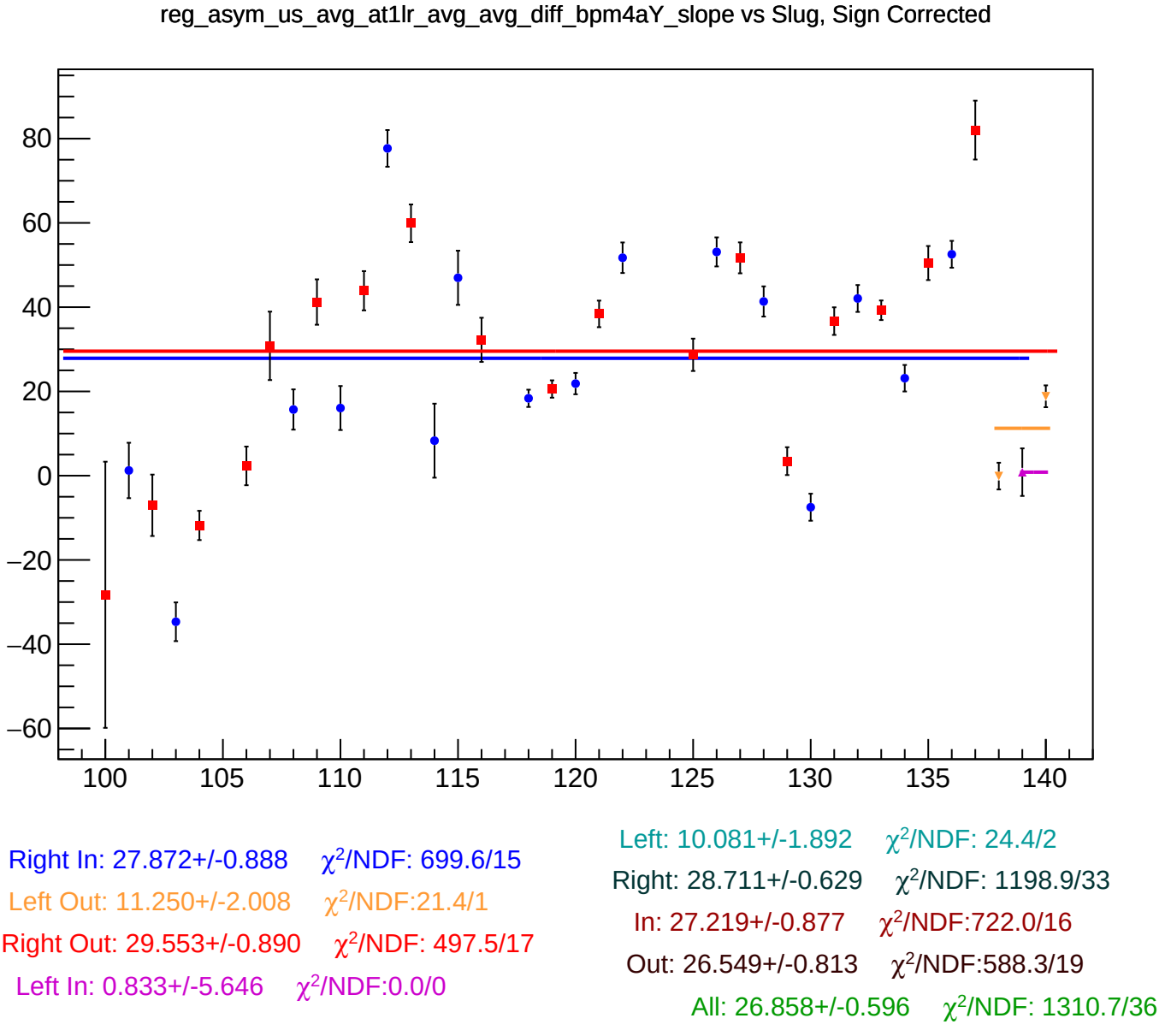
Left: -129.829+/-1.802 χ^2/NDF: 162.2/2

Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

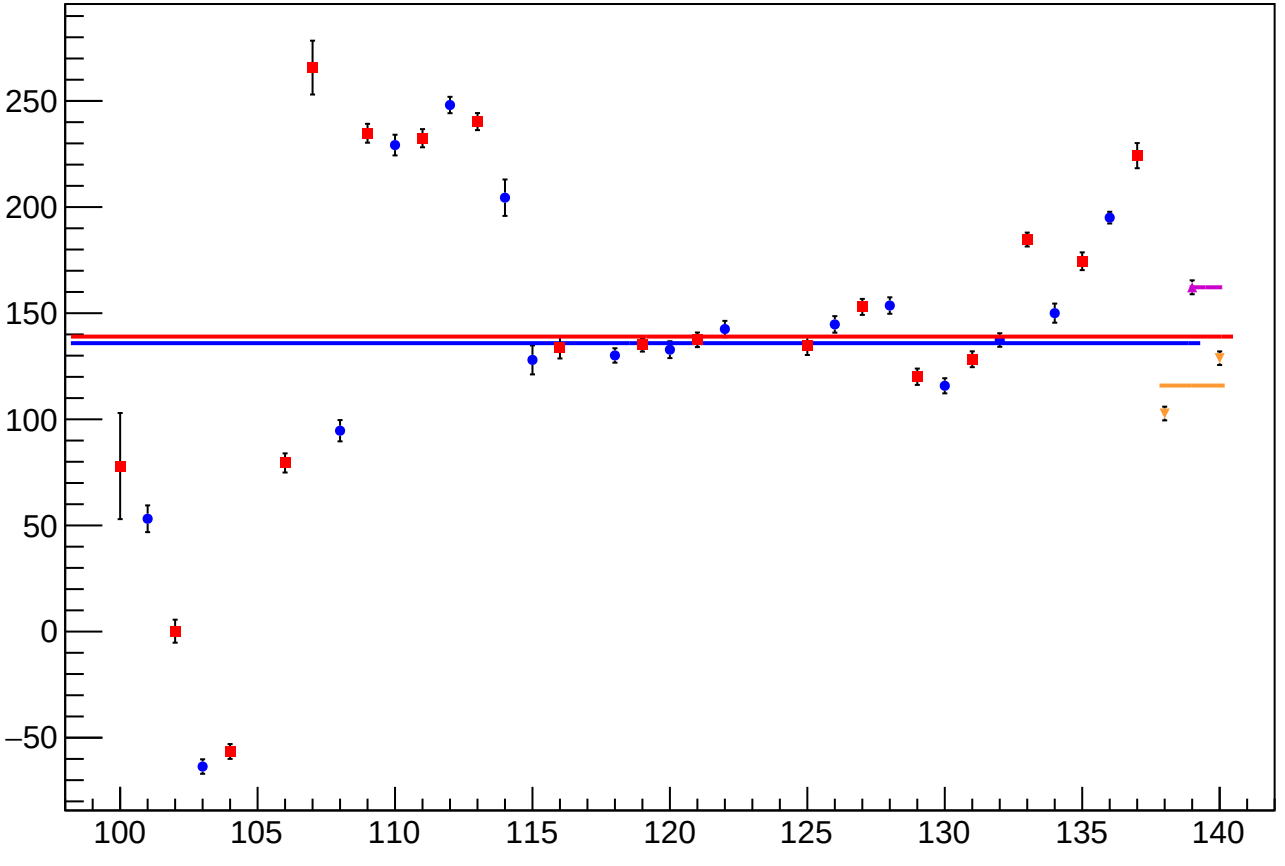
In: -123.163+/-0.857 χ^2/NDF:2843.1/16

Out: -120.525+/-0.813 χ^2/NDF:3155.0/19

All: -121.775+/-0.590 χ^2/NDF: 6003.1/36


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
105
110
115
120
125
130
135
140
Right In: 27.872+/-0.888 χ²/NDF: 699.6/15
Left Out: 11.250+/-2.008 χ²/NDF:21.4/1
Right Out: 29.553+/-0.890 χ²/NDF: 497.5/17
Left In: 0.833+/-5.646 χ²/NDF:0.0/0
Left: 10.081+/-1.892 χ²/NDF: 24.4/2
Right: 28.711+/-0.629 χ²/NDF: 1198.9/33
In: 27.219+/-0.877 χ²/NDF:722.0/16
Out: 26.549+/-0.813 χ²/NDF:588.3/19
All: 26.858+/-0.596 χ²/NDF: 1310.7/36

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: 115.911+/-2.276 χ^2/NDF:32.8/1

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 162.207+/-3.286 χ^2/NDF:0.0/0

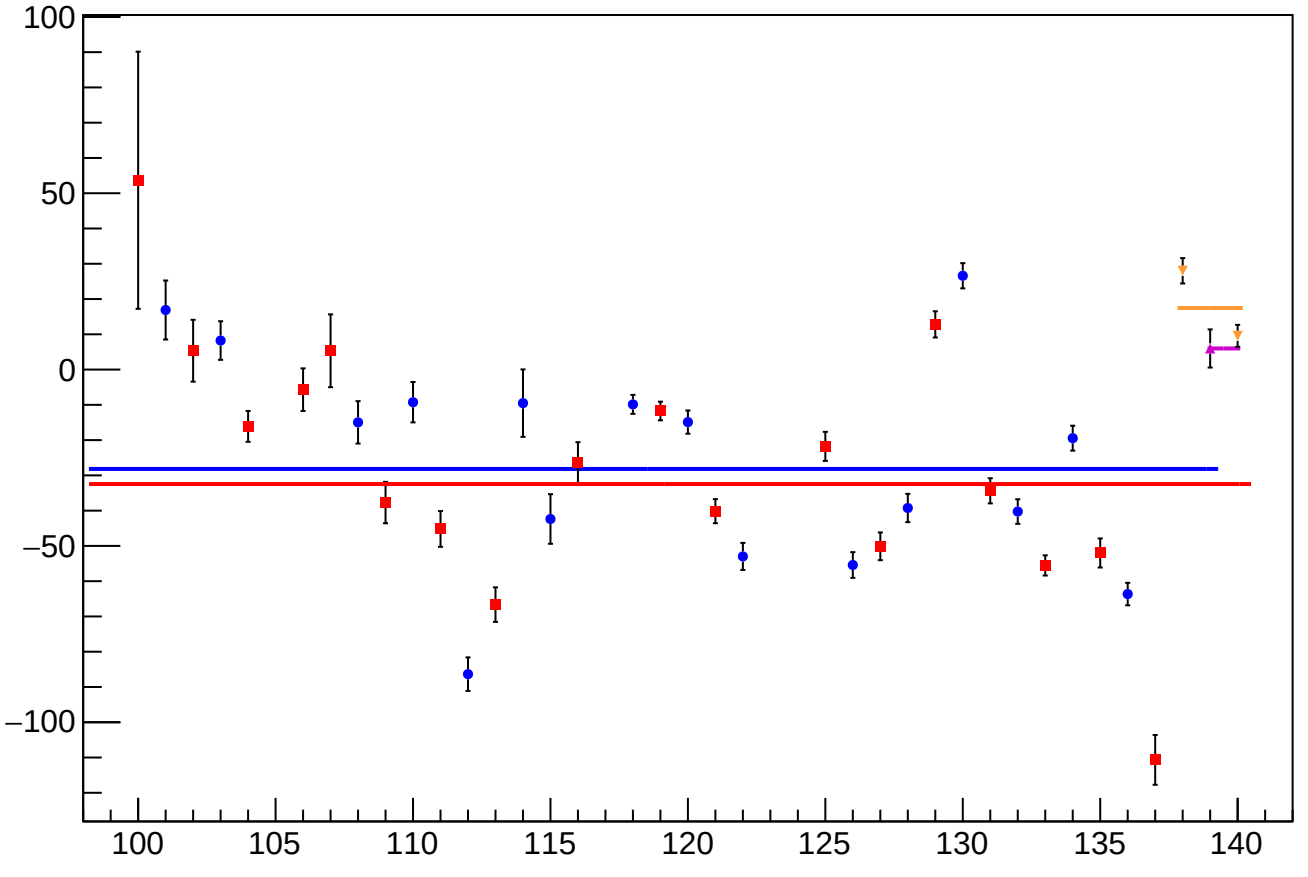
Left: 130.921+/-1.871 χ^2/NDF: 166.9/2

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 138.108+/-0.955 χ^2/NDF:5522.4/16

Out: 135.263+/-0.914 χ^2/NDF:6275.4/19

All: 136.623+/-0.661 χ^2/NDF: 11802.4/36



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 17.458+/-2.354 χ^2/NDF:15.0/1

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 5.985+/-5.411 χ^2/NDF:0.0/0

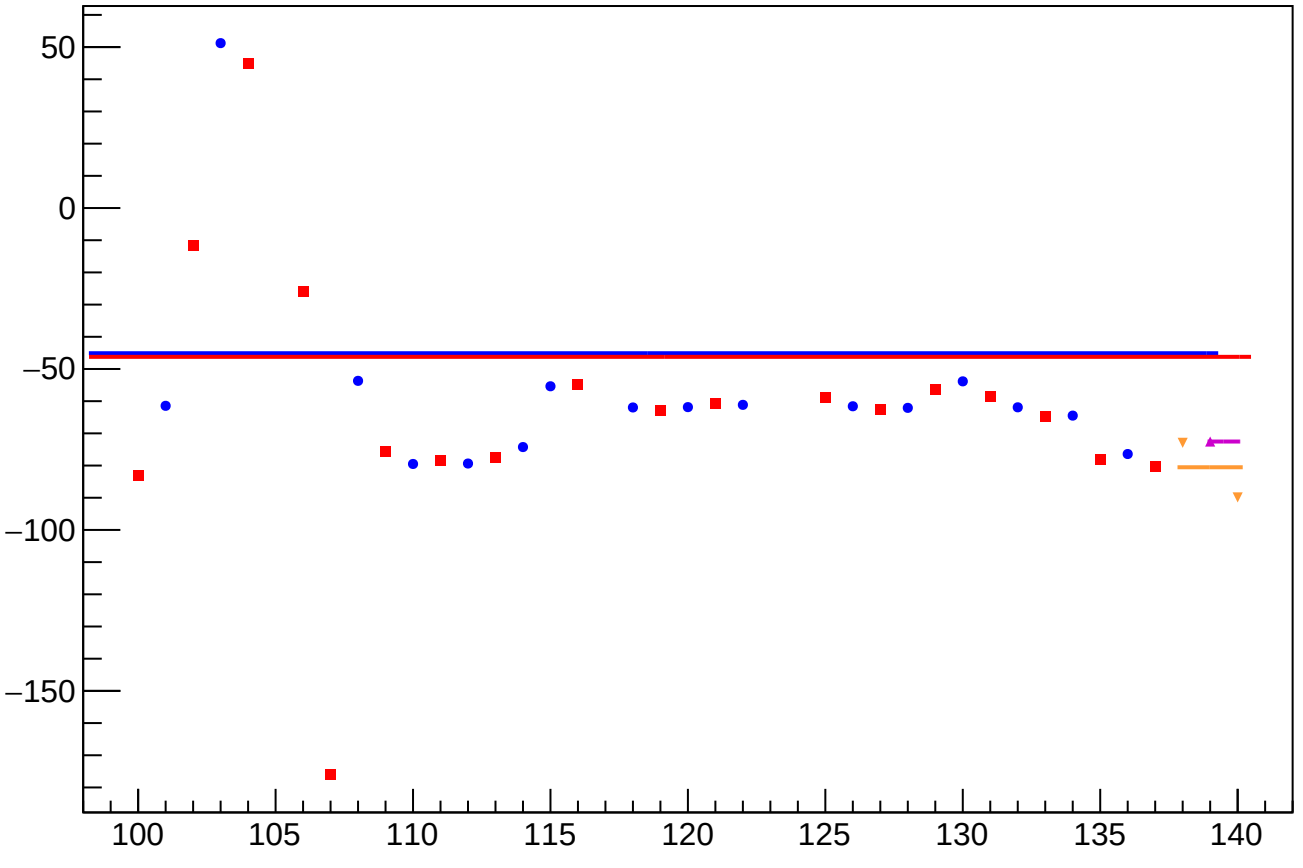
Left: 15.632+/-2.159 χ^2/NDF: 18.8/2

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -26.998+/-1.004 χ^2/NDF:829.7/16

Out: -24.474+/-0.942 χ^2/NDF:973.5/19

All: -25.654+/-0.687 χ^2/NDF: 1806.6/36



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -80.531+/-0.095 χ^2/NDF:7799.5/1

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -72.539+/-0.117 χ^2/NDF:0.0/0

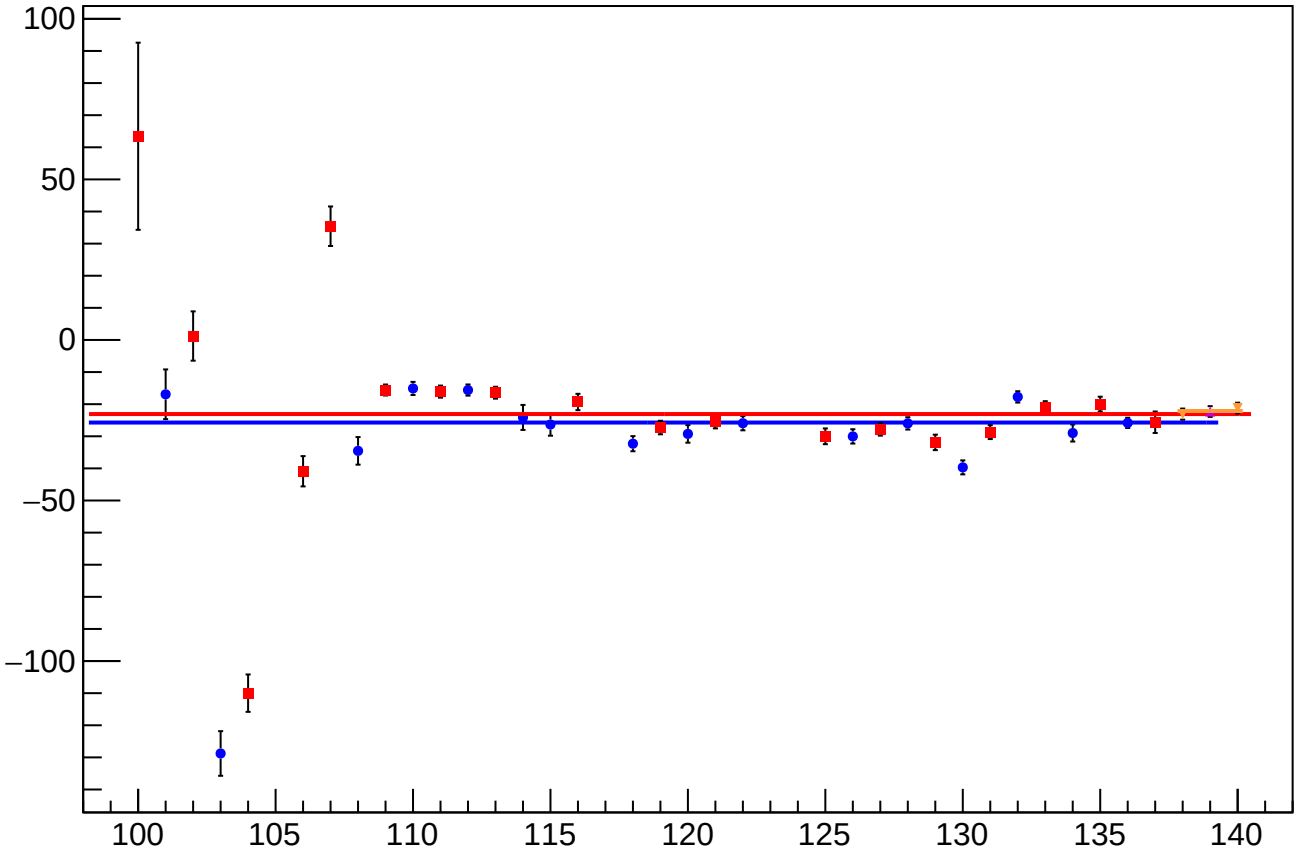
Left: -77.321+/-0.074 χ^2/NDF: 10611.8/2

Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -50.871+/-0.053 χ^2/NDF:618922.5/16

Out: -56.536+/-0.052 χ^2/NDF:591671.1/19

All: -53.762+/-0.037 χ^2/NDF: 1216327.1/36



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -22.131+/-1.206 χ^2/NDF:0.6/1

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -22.291+/-1.670 χ^2/NDF:0.0/0

Left: -22.186+/-0.978 χ^2/NDF: 0.6/2

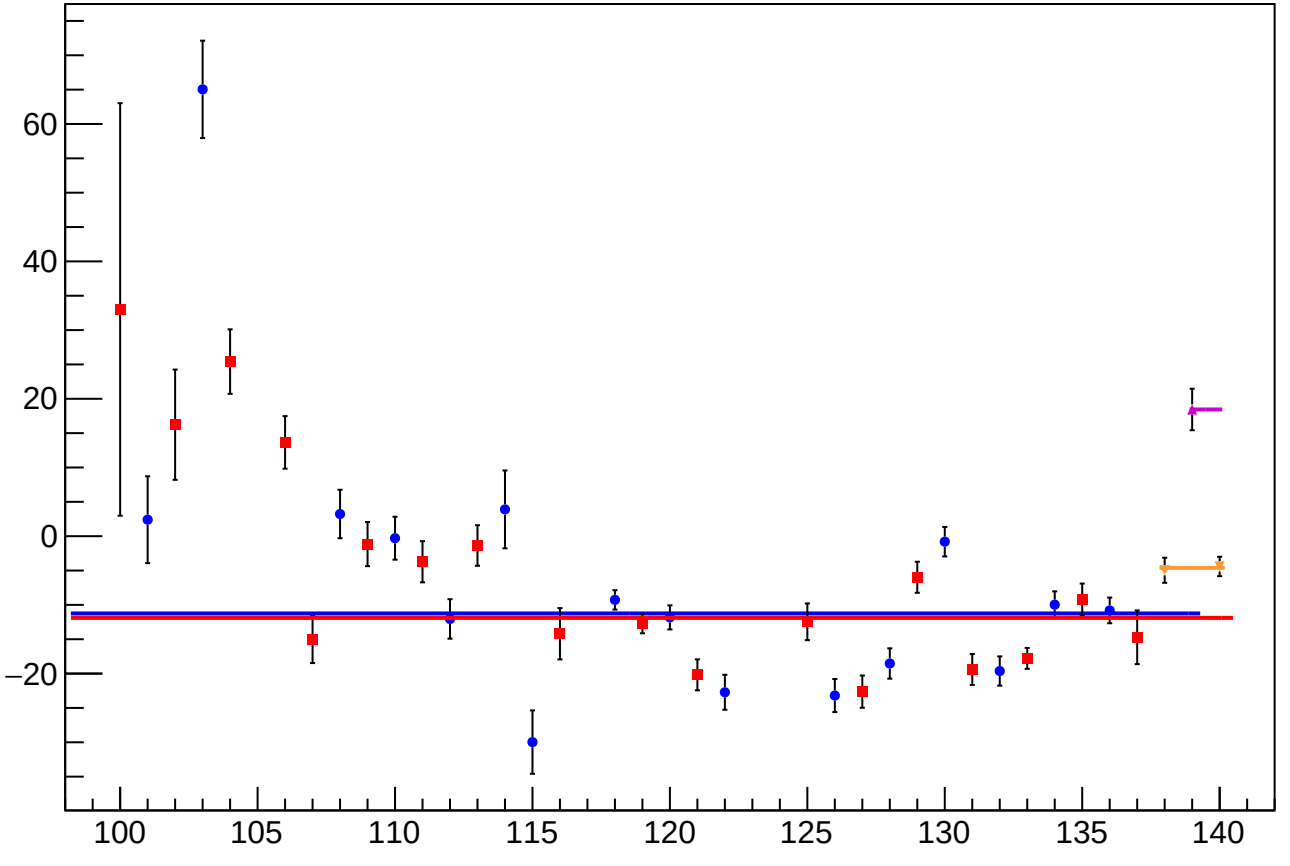
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -25.341+/-0.556 χ^2/NDF:366.7/16

Out: -22.900+/-0.524 χ^2/NDF:438.2/19

All: -24.047+/-0.382 χ^2/NDF: 815.2/36

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -4.612+/-1.116 χ^2/NDF:0.1/1

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: 18.443+/-3.018 χ^2/NDF:0.0/0

Left: -1.839+/-1.047 χ^2/NDF: 51.4/2

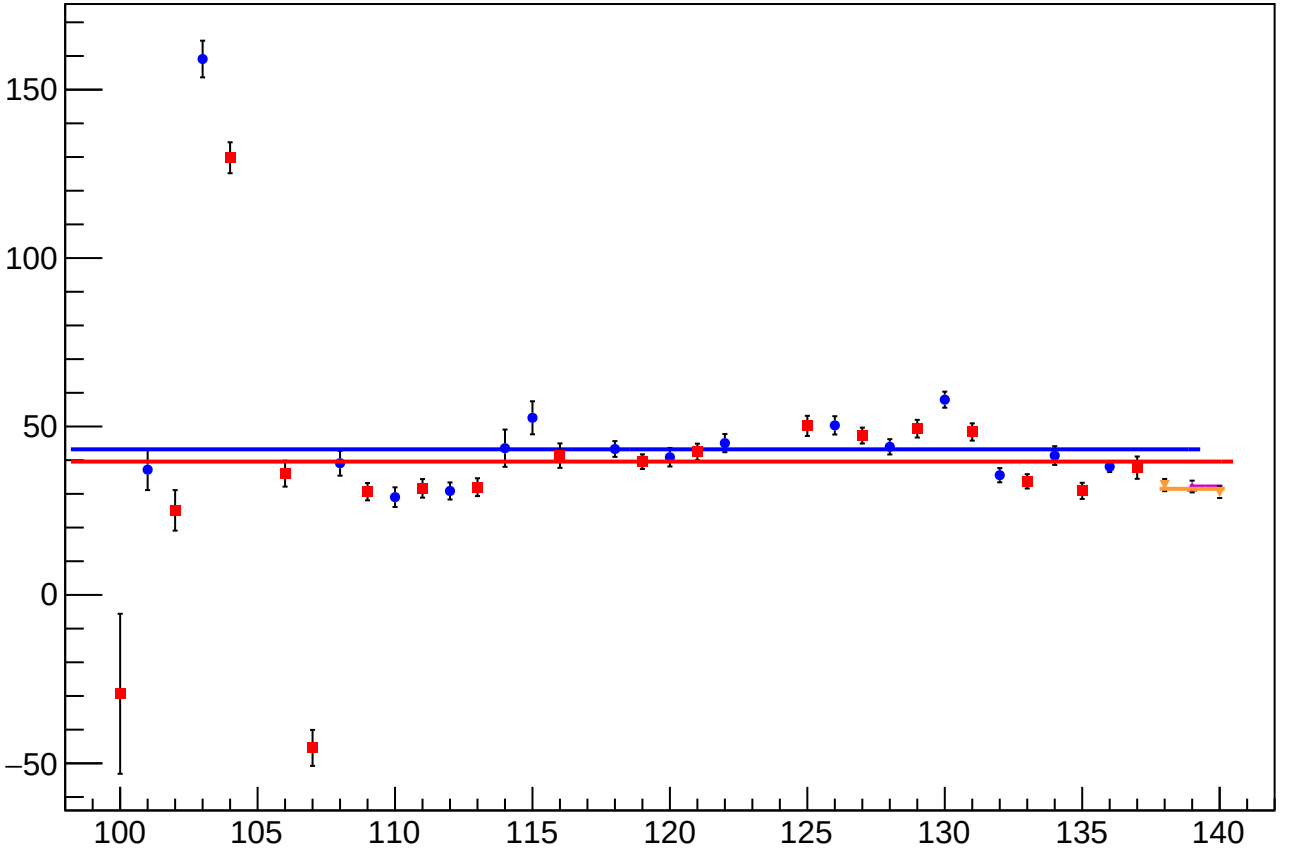
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -10.117+/-0.588 χ^2/NDF:364.2/16

Out: -10.228+/-0.533 χ^2/NDF:257.3/19

All: -10.178+/-0.395 χ^2/NDF: 621.5/36

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: 31.510+/-1.249 χ^2/NDF:0.7/1

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 32.184+/-1.740 χ^2/NDF:0.0/0

Left: 31.739+/-1.015 χ^2/NDF: 0.8/2

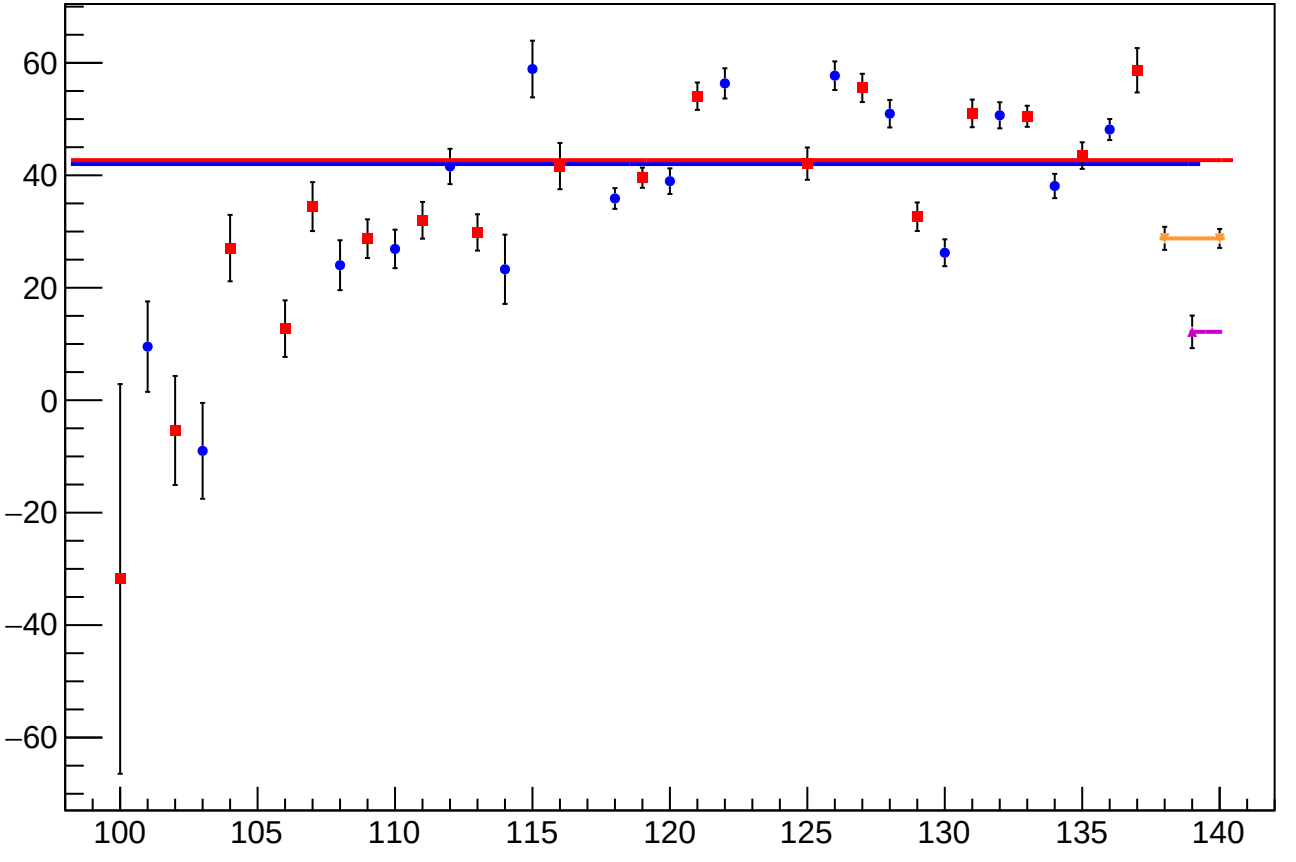
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 41.766+/-0.632 χ^2/NDF:610.9/16

Out: 37.722+/-0.600 χ^2/NDF:786.9/19

All: 39.641+/-0.435 χ^2/NDF: 1419.3/36

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 28.779+/-1.303 χ^2/NDF:0.0/1

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 12.161+/-2.895 χ^2/NDF:0.0/0

Left: 25.980+/-1.188 χ^2/NDF: 27.4/2

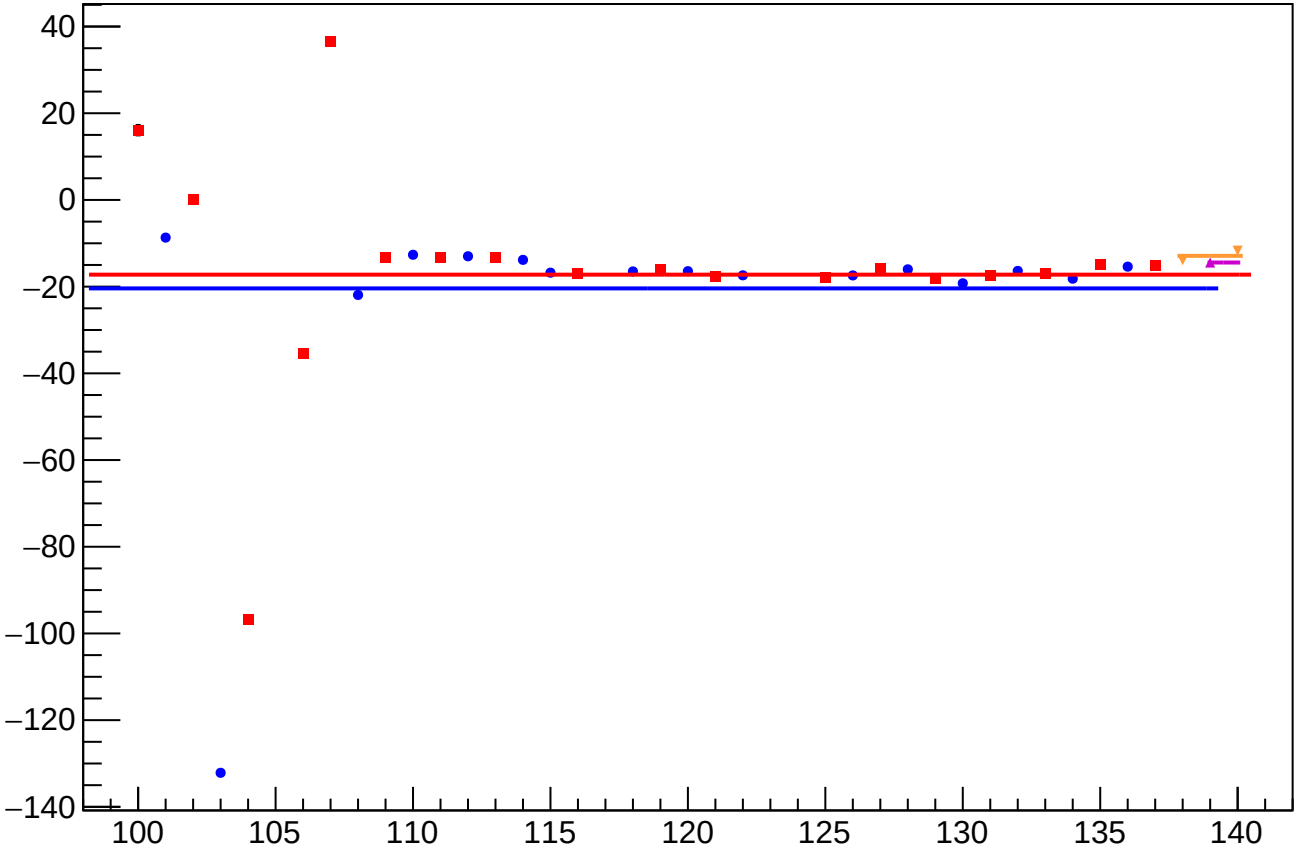
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 40.429+/-0.665 χ^2/NDF:373.4/16

Out: 39.616+/-0.613 χ^2/NDF:319.1/19

All: 39.989+/-0.451 χ^2/NDF: 693.3/36

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -12.891+/-0.052 χ^2/NDF:444.5/1

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -14.435+/-0.062 χ^2/NDF:0.0/0

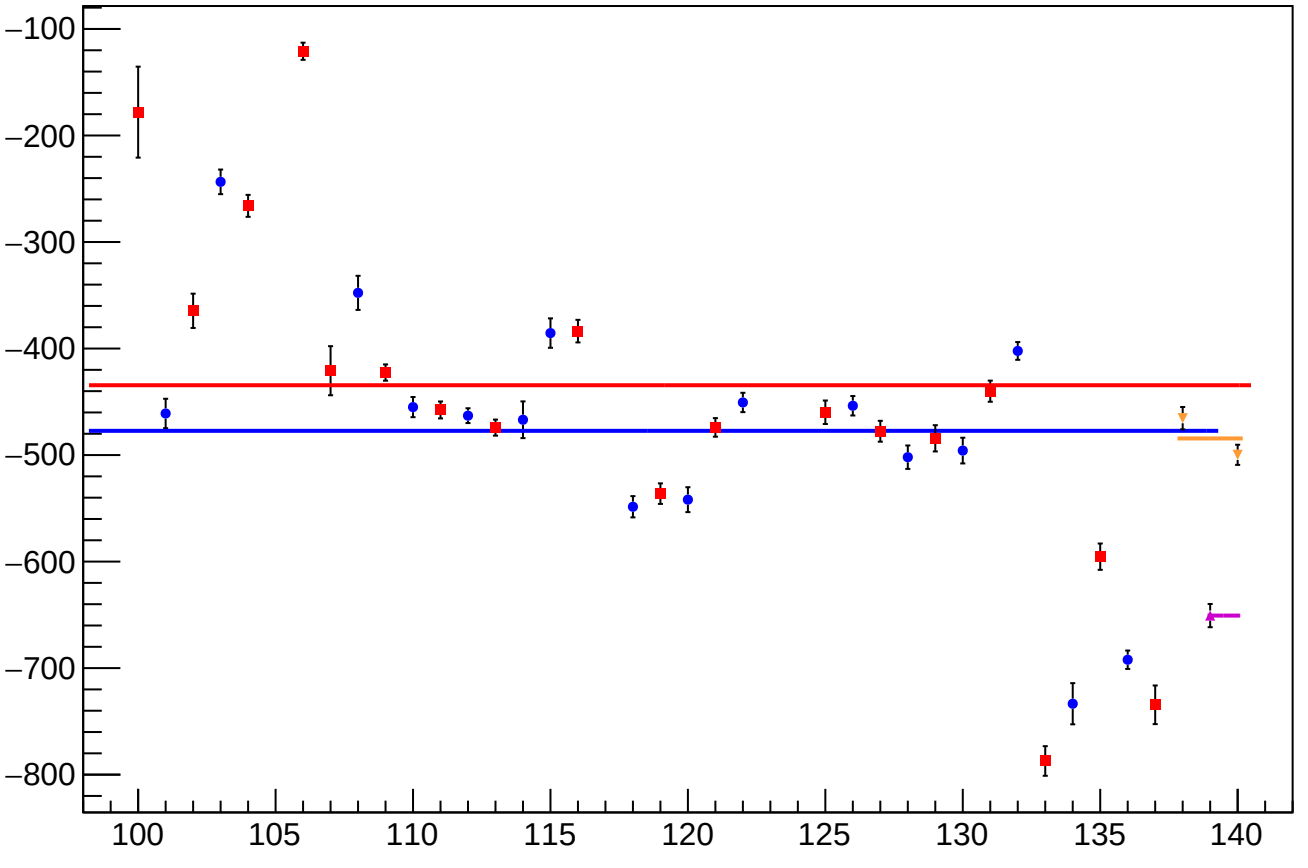
Left: -13.527+/-0.040 χ^2/NDF: 806.2/2

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -18.543+/-0.035 χ^2/NDF:251940.5/16

Out: -15.422+/-0.034 χ^2/NDF:209155.1/19

All: -16.932+/-0.024 χ^2/NDF: 465255.6/36



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -484.403+/-7.032 χ^2/NDF:5.9/1

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -650.691+/-10.901 χ^2/NDF:0.0/0

Left: -533.263+/-5.909 χ^2/NDF: 170.2/2

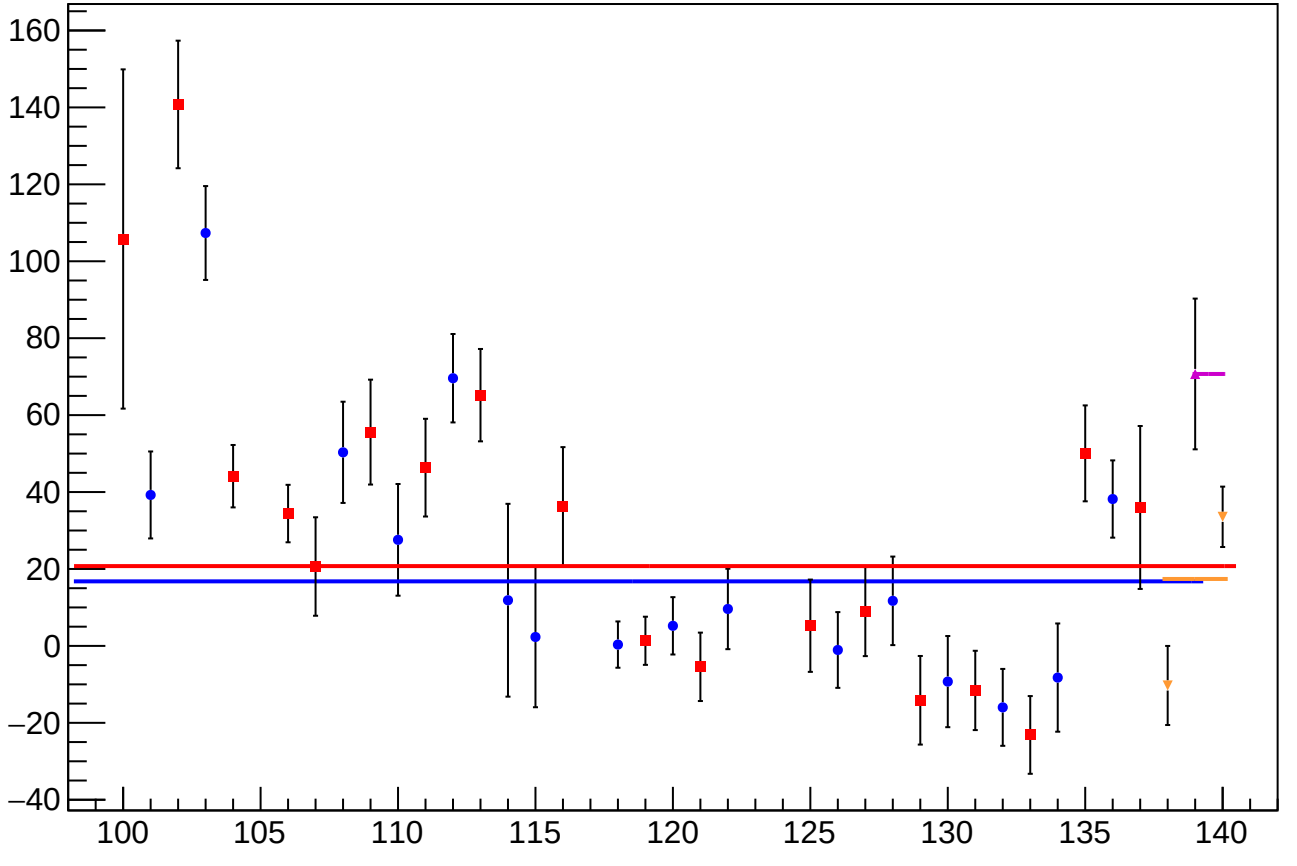
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -486.816+/-2.559 χ^2/NDF:1750.0/16

Out: -439.901+/-2.325 χ^2/NDF:3212.8/19

All: -461.114+/-1.721 χ^2/NDF: 5146.8/36

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 17.402+/-6.239 χ^2/NDF:11.5/1

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 70.699+/-19.595 χ^2/NDF:0.0/0

Left: 22.309+/-5.945 χ^2/NDF: 18.2/2

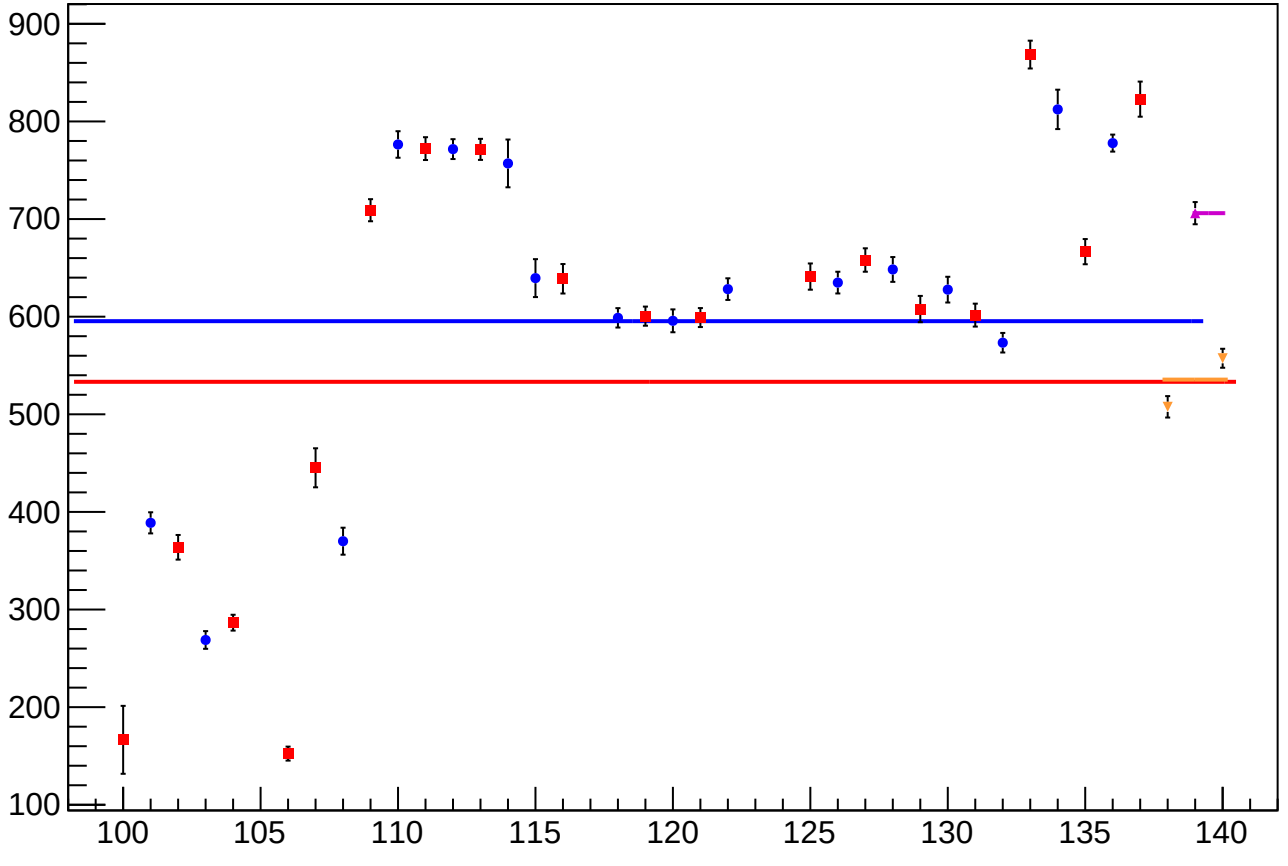
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 17.752+/-2.630 χ^2/NDF:132.4/16

Out: 20.270+/-2.359 χ^2/NDF:169.7/19

All: 19.147+/-1.756 χ^2/NDF: 302.6/36

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 535.529+/-7.277 χ^2/NDF:11.5/1

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 706.045+/-11.367 χ^2/NDF:0.0/0

Left: 585.096+/-6.128 χ^2/NDF: 171.1/2

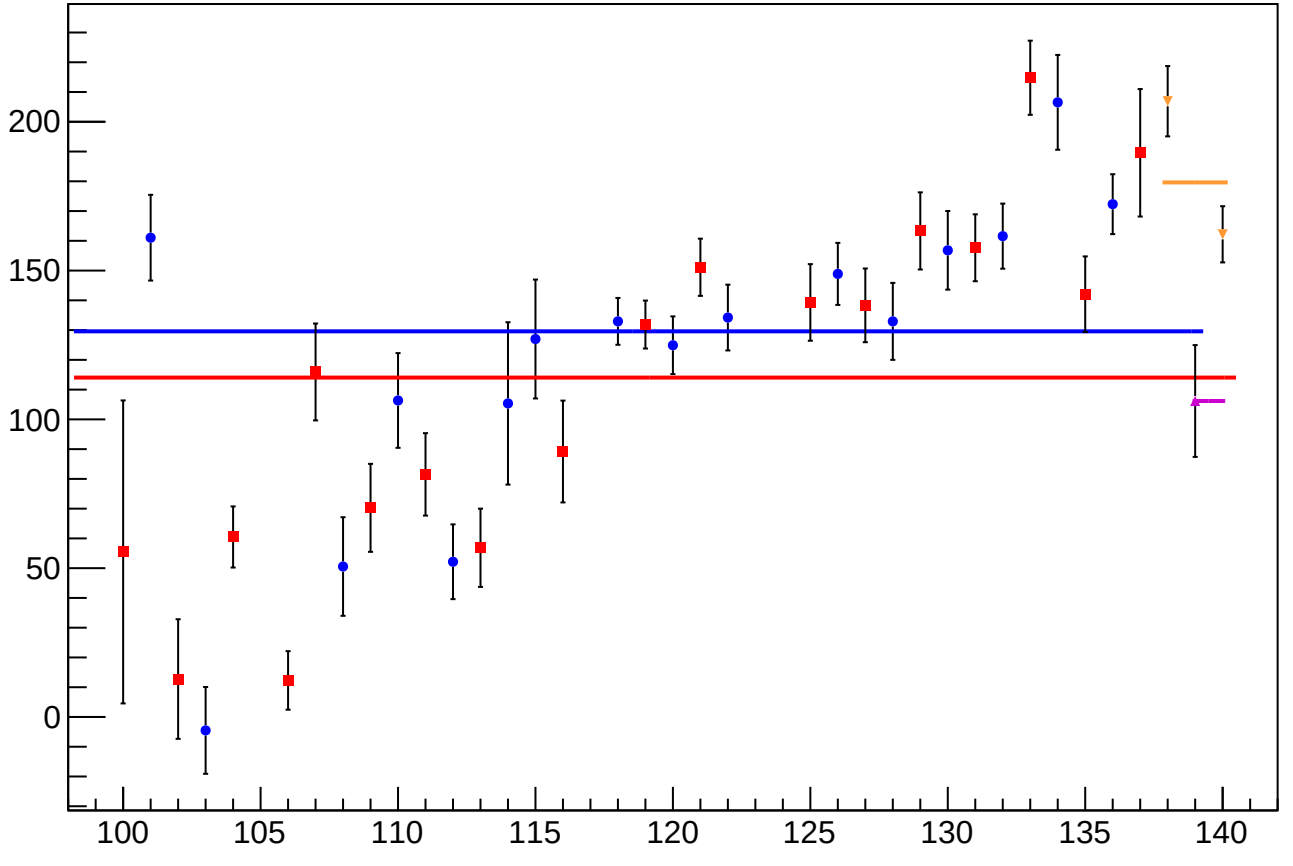
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 602.298+/-2.837 χ^2/NDF:3148.6/16

Out: 533.563+/-2.569 χ^2/NDF:6514.5/19

All: 564.535+/-1.904 χ^2/NDF: 9985.6/36

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: 179.620+/-7.376 χ^2/NDF:8.7/1

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 106.173+/-18.784 χ^2/NDF:0.0/0

Left: 169.808+/-6.866 χ^2/NDF: 22.0/2

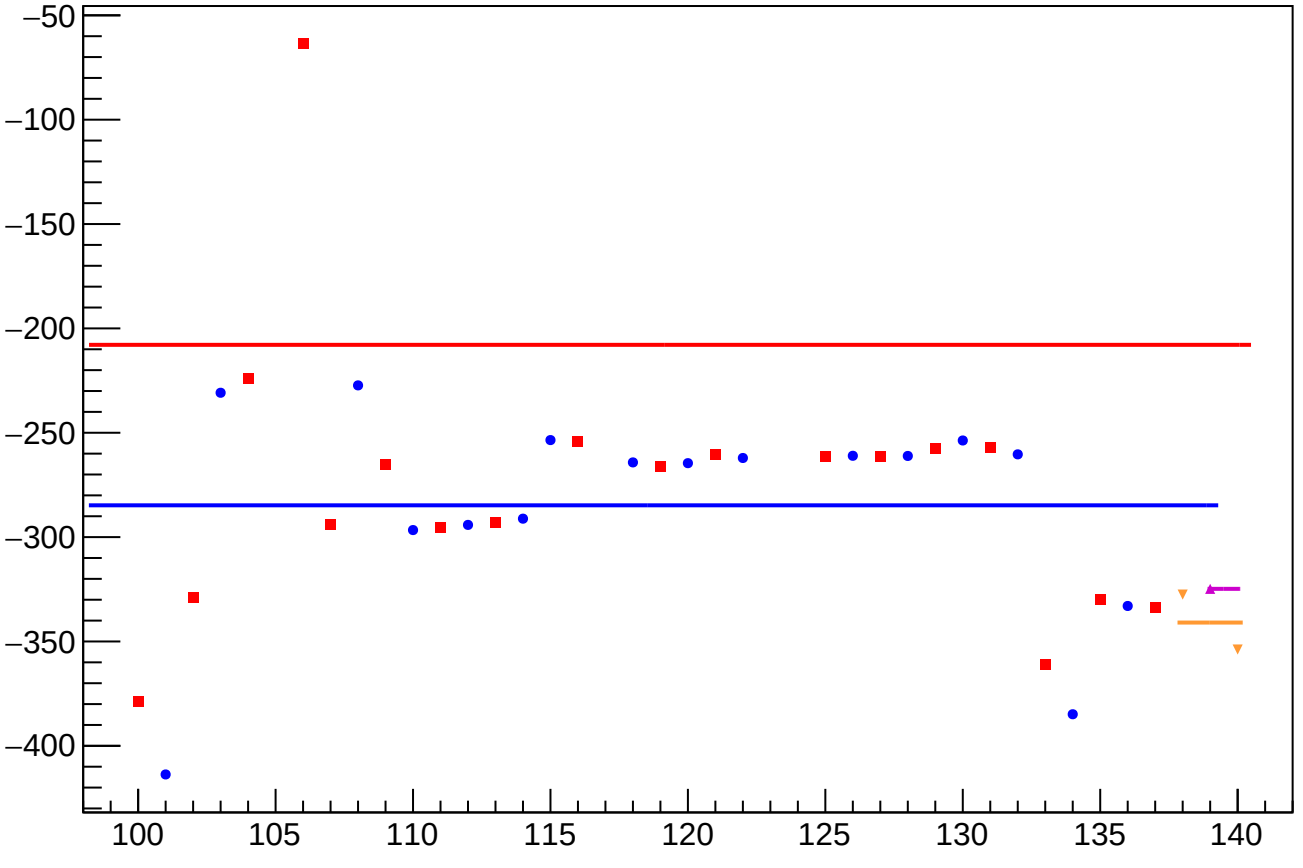
Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 128.973+/-3.040 χ^2/NDF:212.8/16

Out: 123.227+/-2.760 χ^2/NDF:412.6/19

All: 125.823+/-2.043 χ^2/NDF: 627.3/36

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -340.937+/-0.310 χ^2/NDF:1804.8/1

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -324.786+/-0.405 χ^2/NDF:0.0/0

Left: -334.974+/-0.246 χ^2/NDF: 2808.7/2

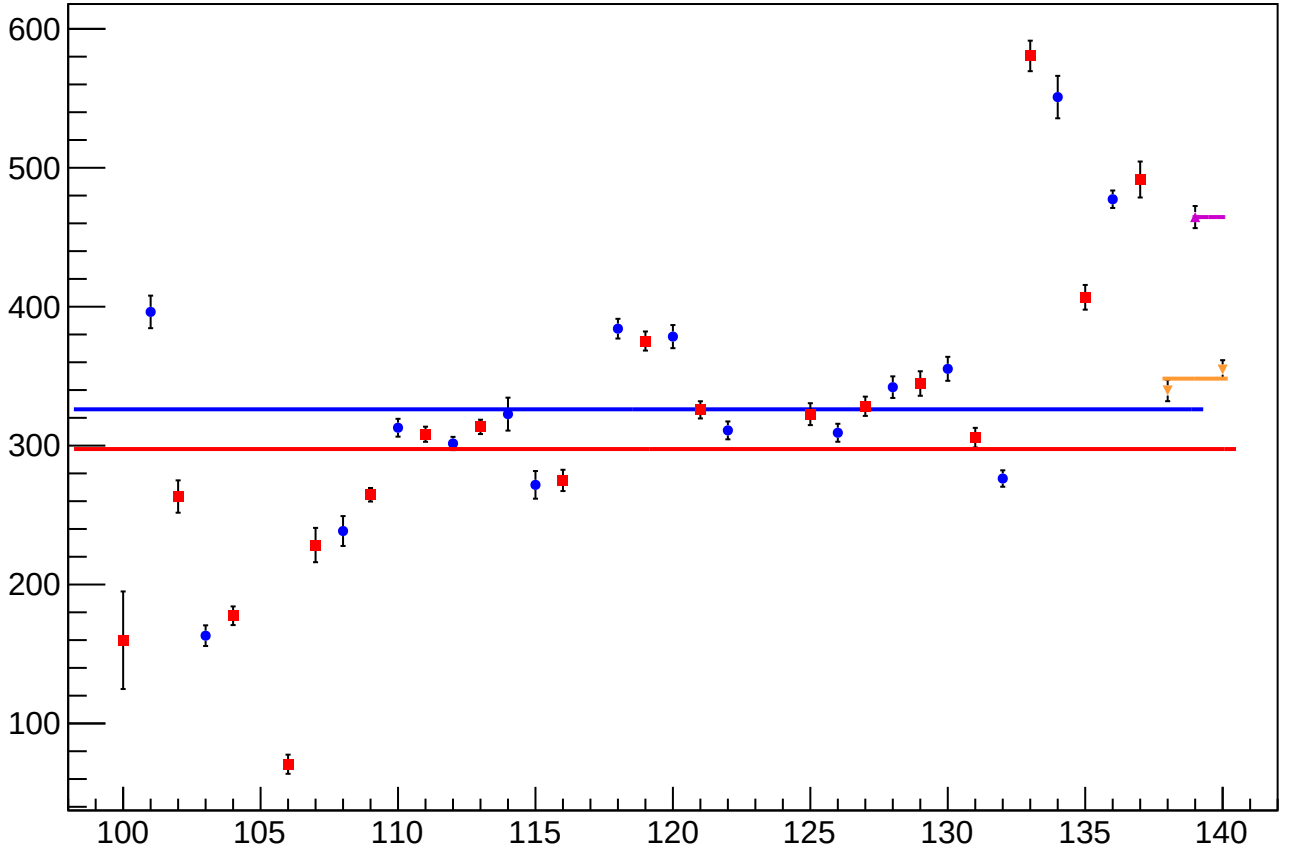
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -291.220+/-0.163 χ^2/NDF:112565.5/16

Out: -232.836+/-0.134 χ^2/NDF:688435.5/19

All: -256.482+/-0.103 χ^2/NDF: 877708.3/36

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 348.216+/-5.091 χ^2/NDF:2.1/1

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 464.520+/-7.956 χ^2/NDF:0.0/0

Left: 382.002+/-4.288 χ^2/NDF: 153.8/2

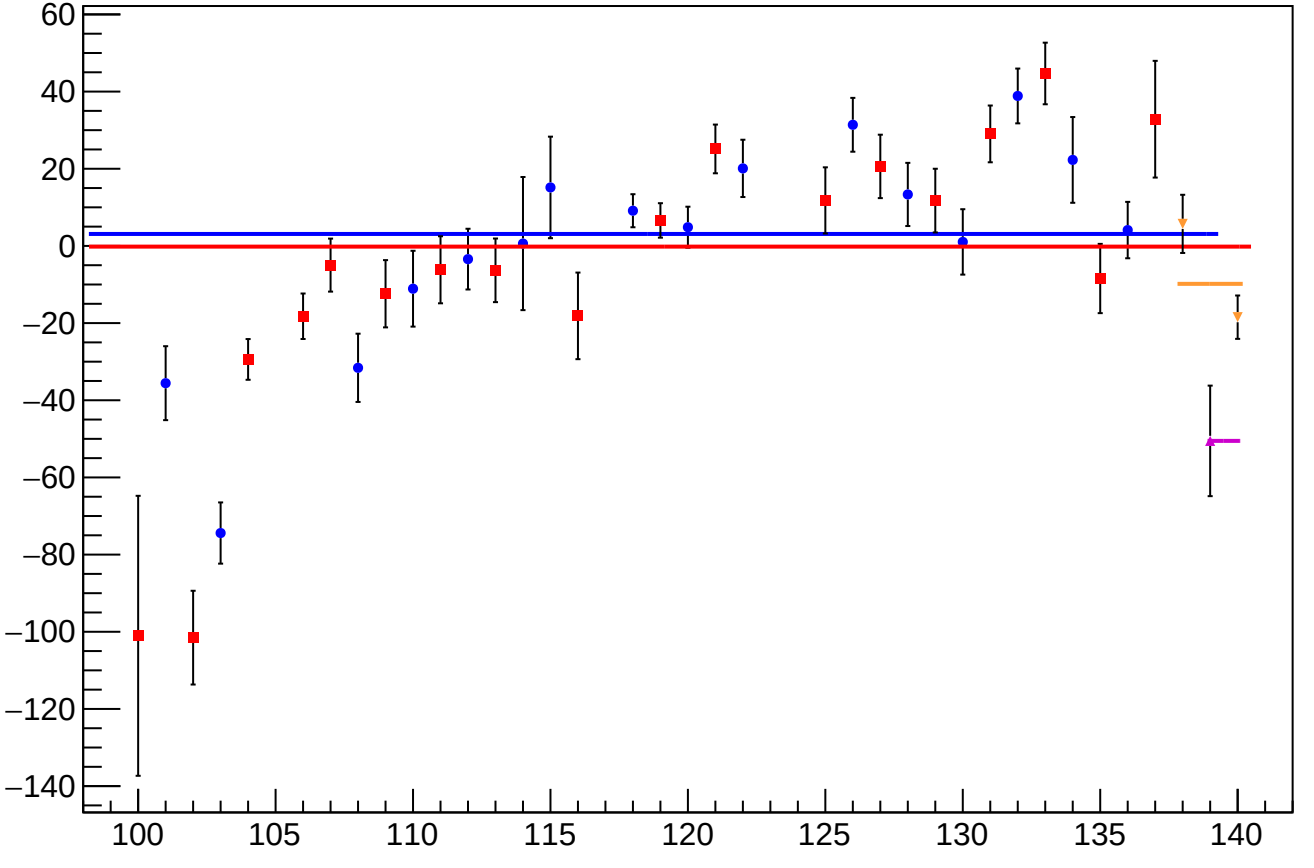
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 333.282+/-1.808 χ^2/NDF:1929.9/16

Out: 302.810+/-1.642 χ^2/NDF:2866.3/19

All: 316.581+/-1.216 χ^2/NDF: 4951.9/36

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -9.831+/-4.506 χ^2/NDF:6.6/1

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -50.529+/-14.324 χ^2/NDF:0.0/0

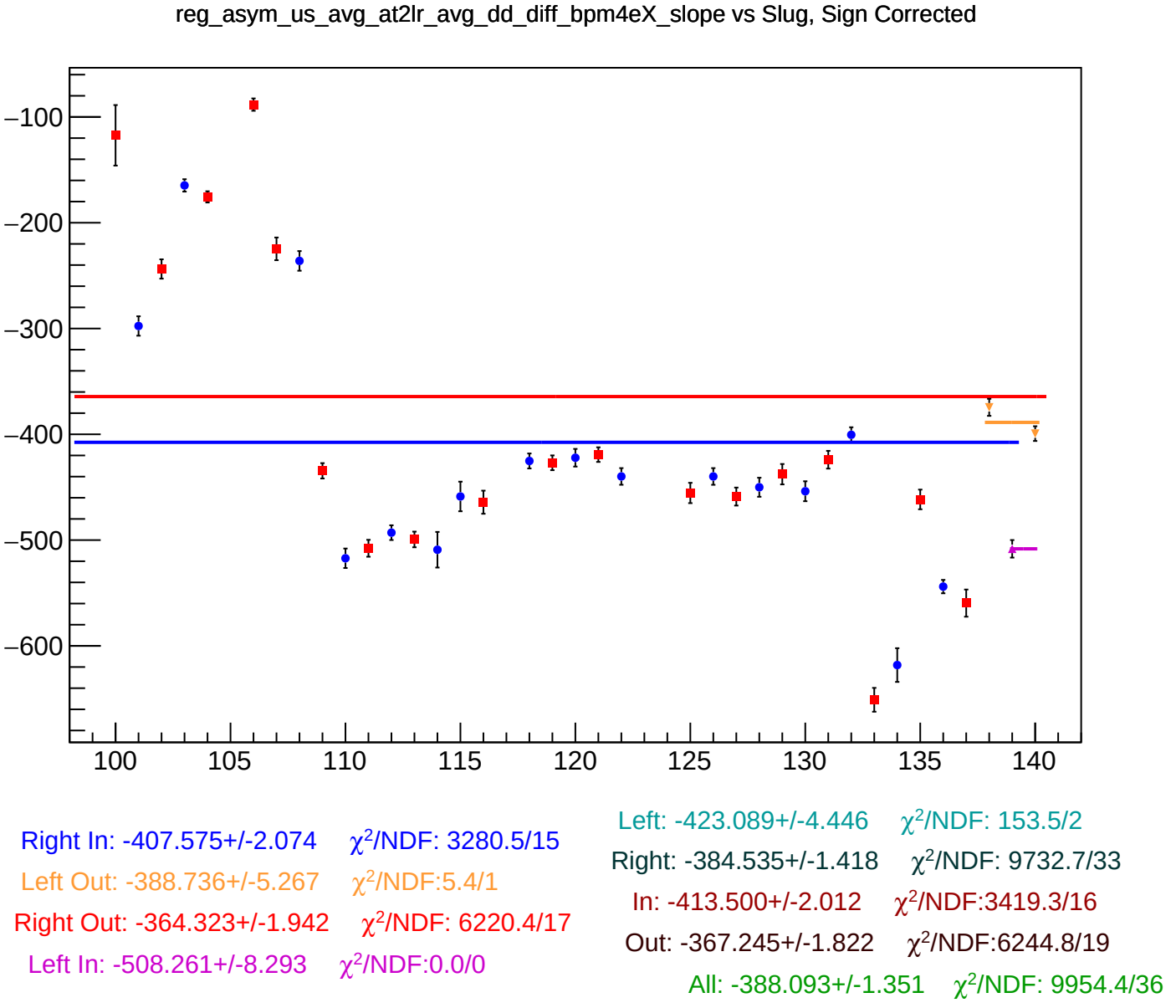
Left: -13.495+/-4.298 χ^2/NDF: 14.0/2

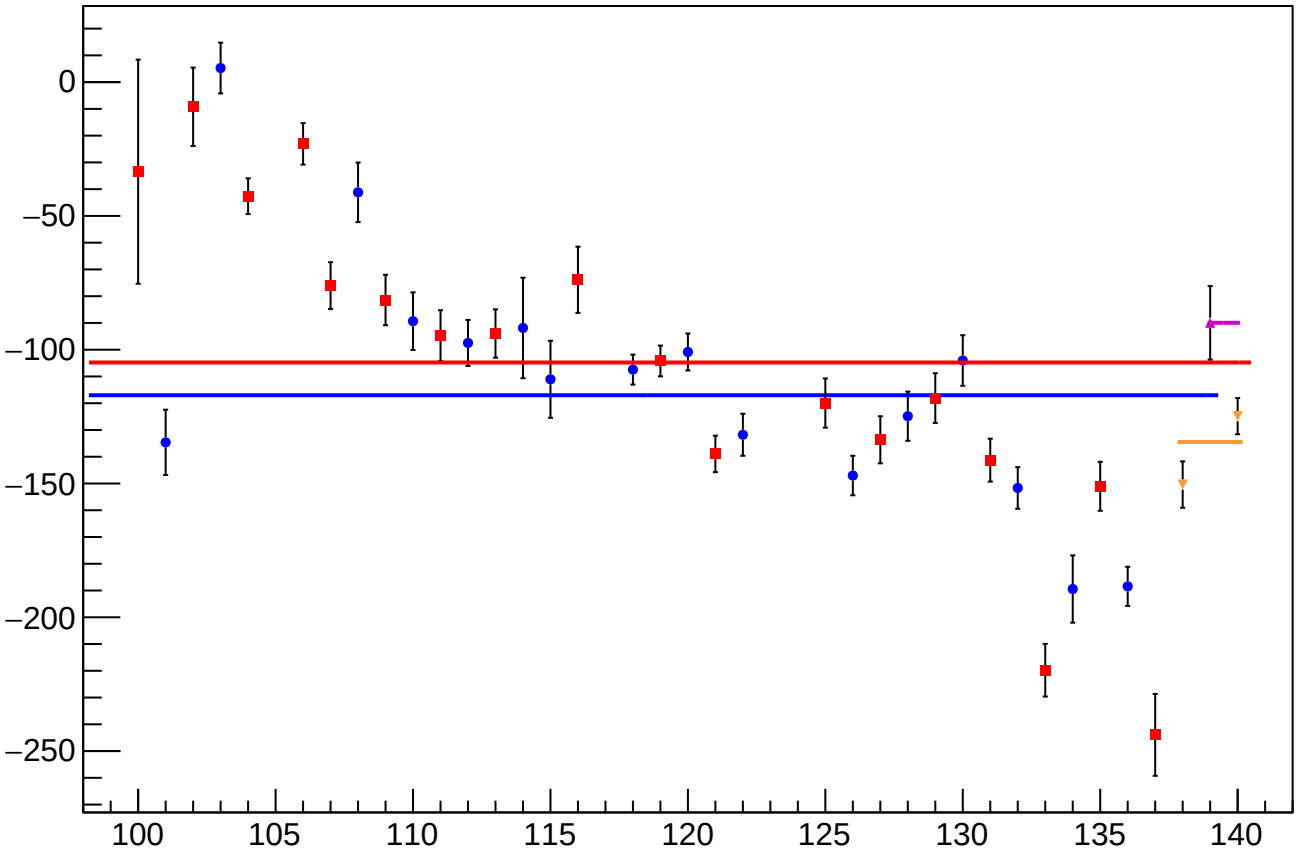
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: 2.181+/-1.876 χ^2/NDF:198.3/16

Out: -1.497+/-1.664 χ^2/NDF:215.8/19

All: 0.123+/-1.245 χ^2/NDF: 416.3/36


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
100
105
110
115
120
125
130
135
140
Right In: -407.575+/-2.074 χ²/NDF: 3280.5/15
Left Out: -388.736+/-5.267 χ²/NDF:5.4/1
Right Out: -364.323+/-1.942 χ²/NDF: 6220.4/17
Left In: -508.261+/-8.293 χ²/NDF:0.0/0
Left: -423.089+/-4.446 χ²/NDF: 153.5/2
Right: -384.535+/-1.418 χ²/NDF: 9732.7/33
In: -413.500+/-2.012 χ²/NDF:3419.3/16
Out: -367.245+/-1.822 χ²/NDF:6244.8/19
All: -388.093+/-1.351 χ²/NDF: 9954.4/36



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -134.503+/-5.330 χ^2/NDF:5.4/1

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -89.945+/-13.734 χ^2/NDF:0.0/0

Left: -128.671+/-4.969 χ^2/NDF: 14.6/2

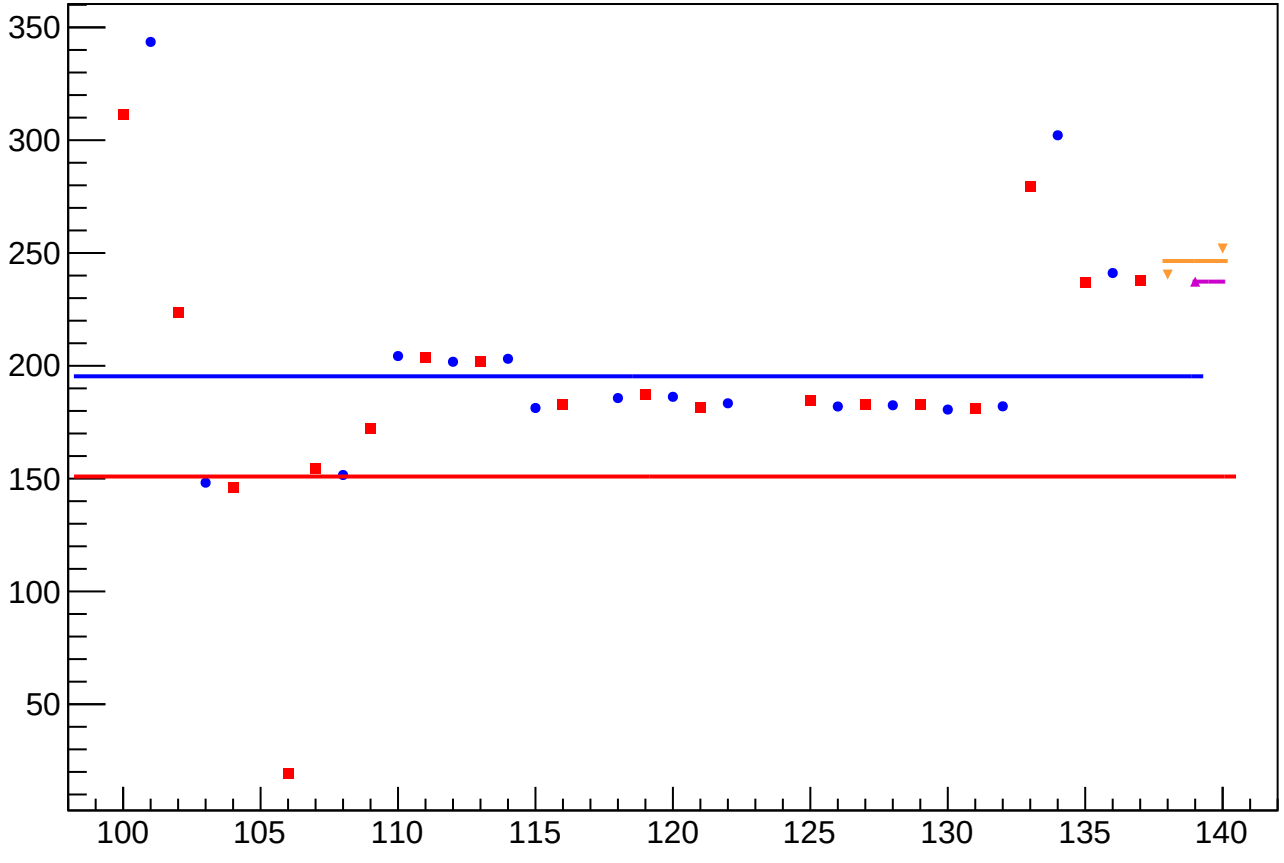
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -116.347+/-2.167 χ^2/NDF:411.6/16

Out: -108.743+/-1.946 χ^2/NDF:607.5/19

All: -112.139+/-1.448 χ^2/NDF: 1025.9/36

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 246.453+/-0.225 χ^2/NDF:661.4/1

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 237.314+/-0.296 χ^2/NDF:0.0/0

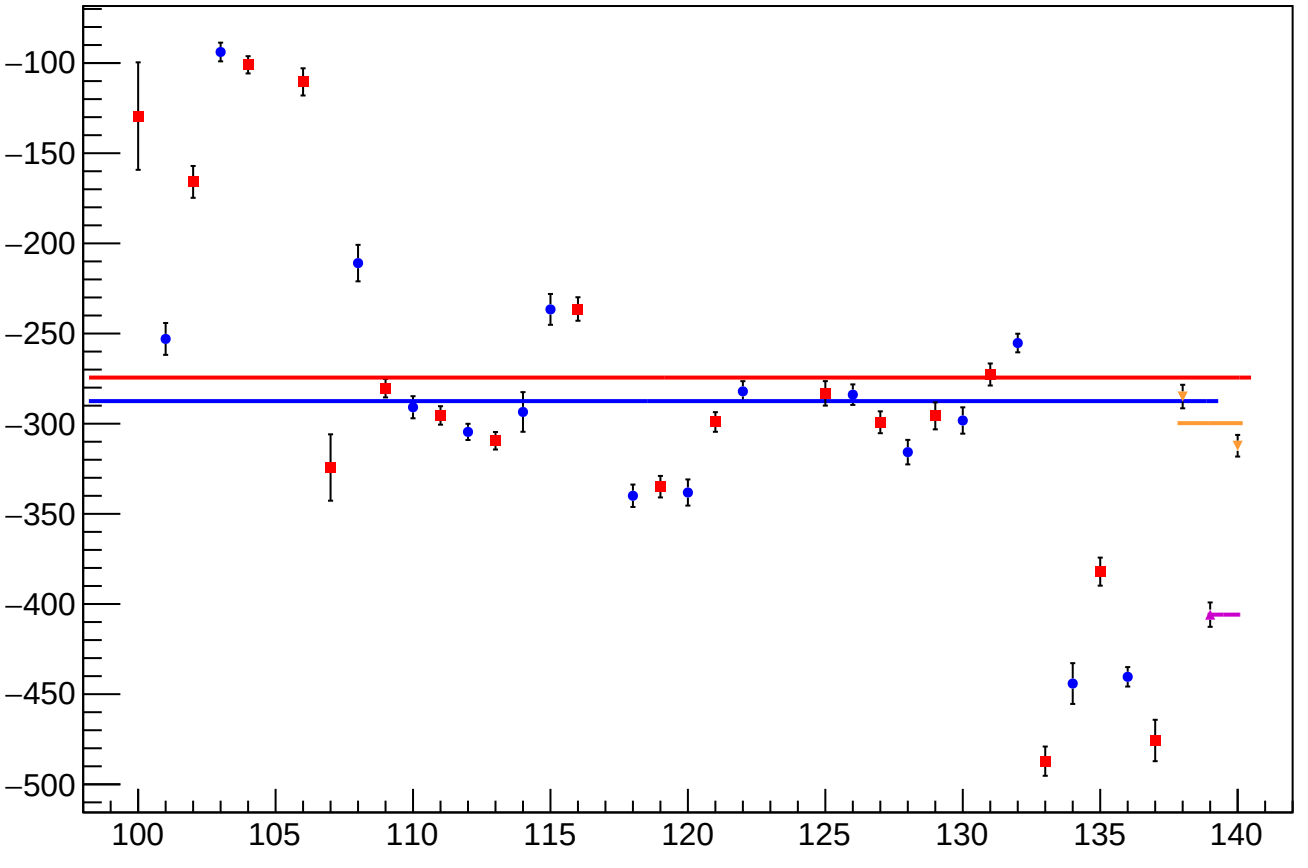
Left: 243.115+/-0.179 χ^2/NDF: 1266.6/2

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 201.672+/-0.115 χ^2/NDF:194052.1/16

Out: 169.469+/-0.099 χ^2/NDF:645779.1/19

All: 183.180+/-0.075 χ^2/NDF: 884970.5/36



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -299.694+/-4.419 χ^2/NDF:9.5/1

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -405.893+/-6.763 χ^2/NDF:0.0/0

Left: -331.470+/-3.699 χ^2/NDF: 182.3/2

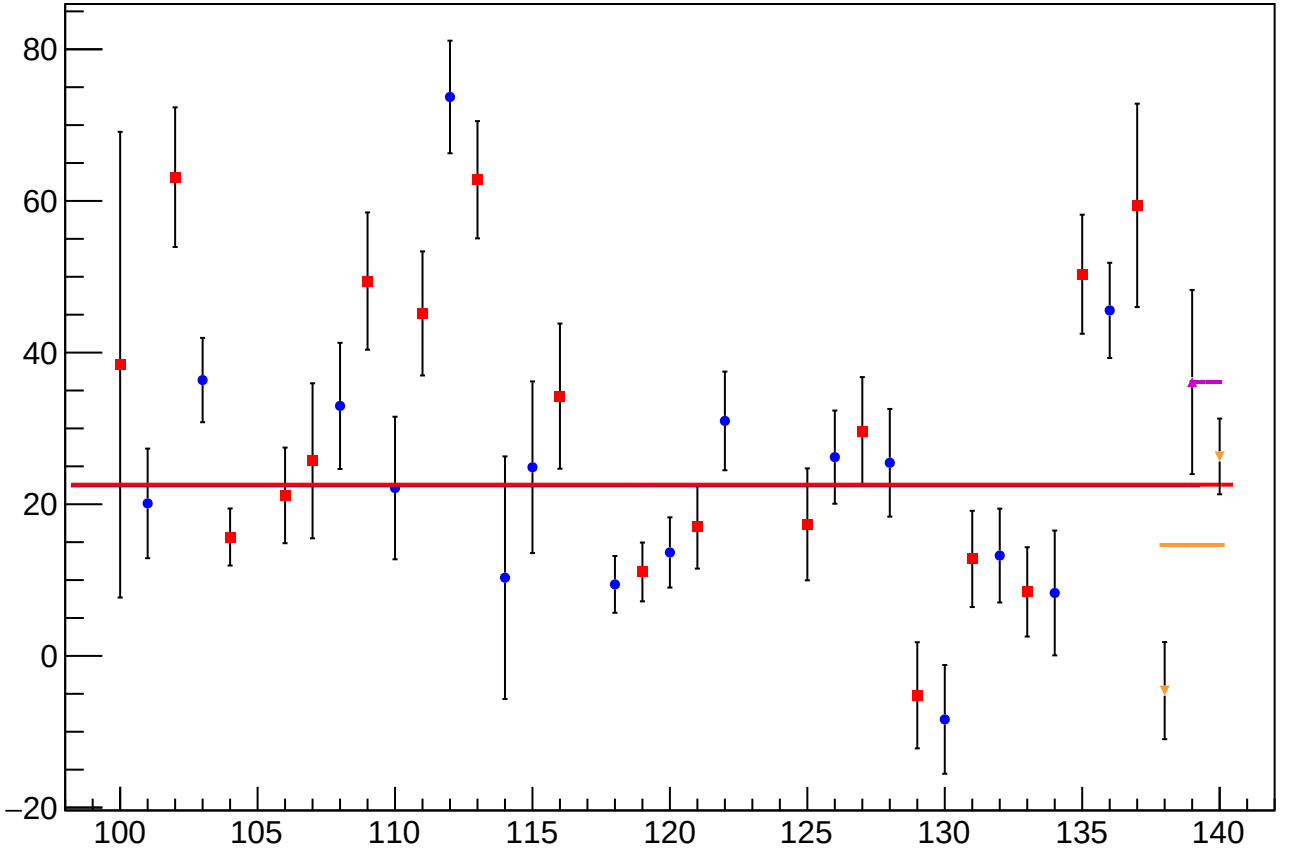
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -293.836+/-1.567 χ^2/NDF:2986.6/16

Out: -277.190+/-1.464 χ^2/NDF:3452.0/19

All: -284.945+/-1.070 χ^2/NDF: 6498.8/36

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 14.629+/-3.937 χ^2/NDF:14.5/1

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 36.119+/-12.142 χ^2/NDF:0.0/0

Left: 16.673+/-3.745 χ^2/NDF: 17.3/2

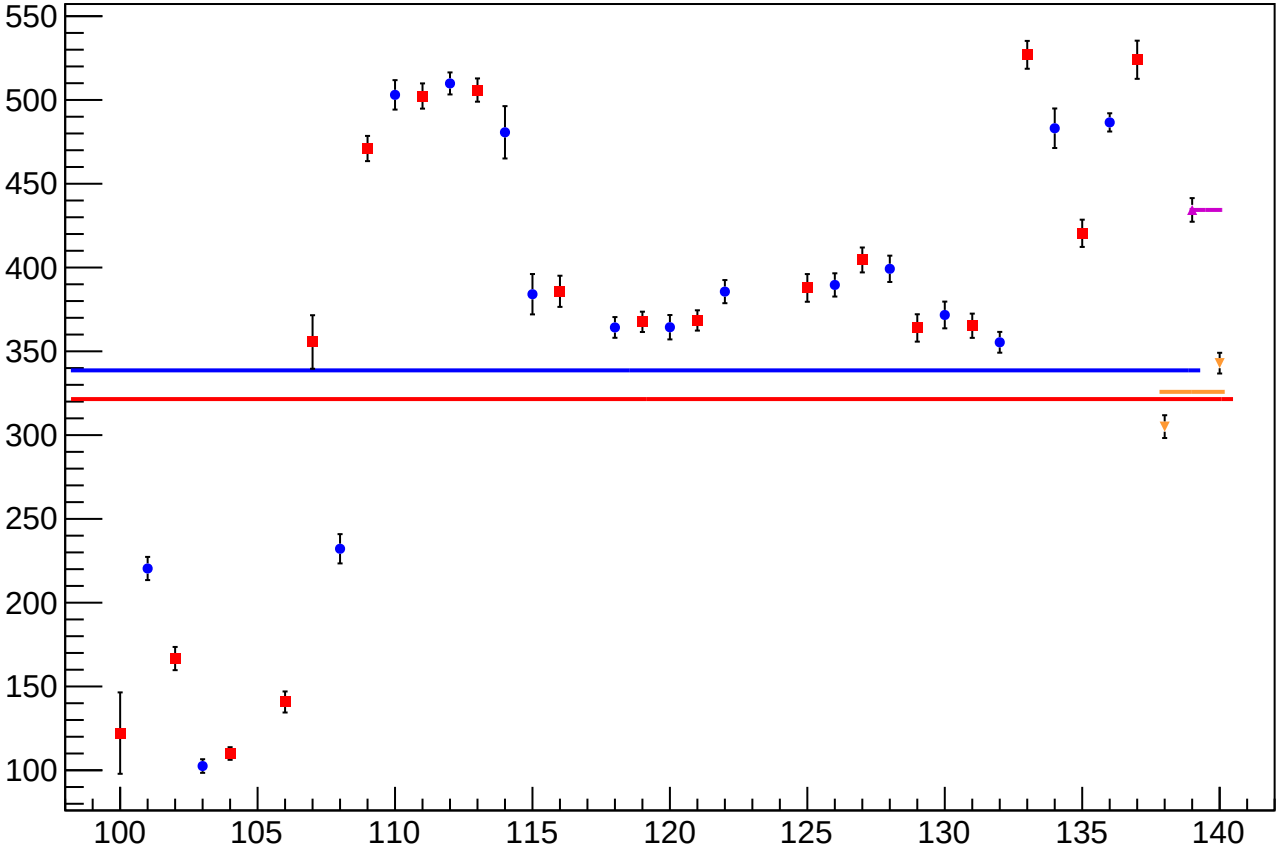
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 22.731+/-1.607 χ^2/NDF:112.7/16

Out: 21.489+/-1.458 χ^2/NDF:141.3/19

All: 22.050+/-1.080 χ^2/NDF: 254.3/36

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: 325.818+/-4.574 χ^2/NDF:17.0/1

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 434.377+/-7.053 χ^2/NDF:0.0/0

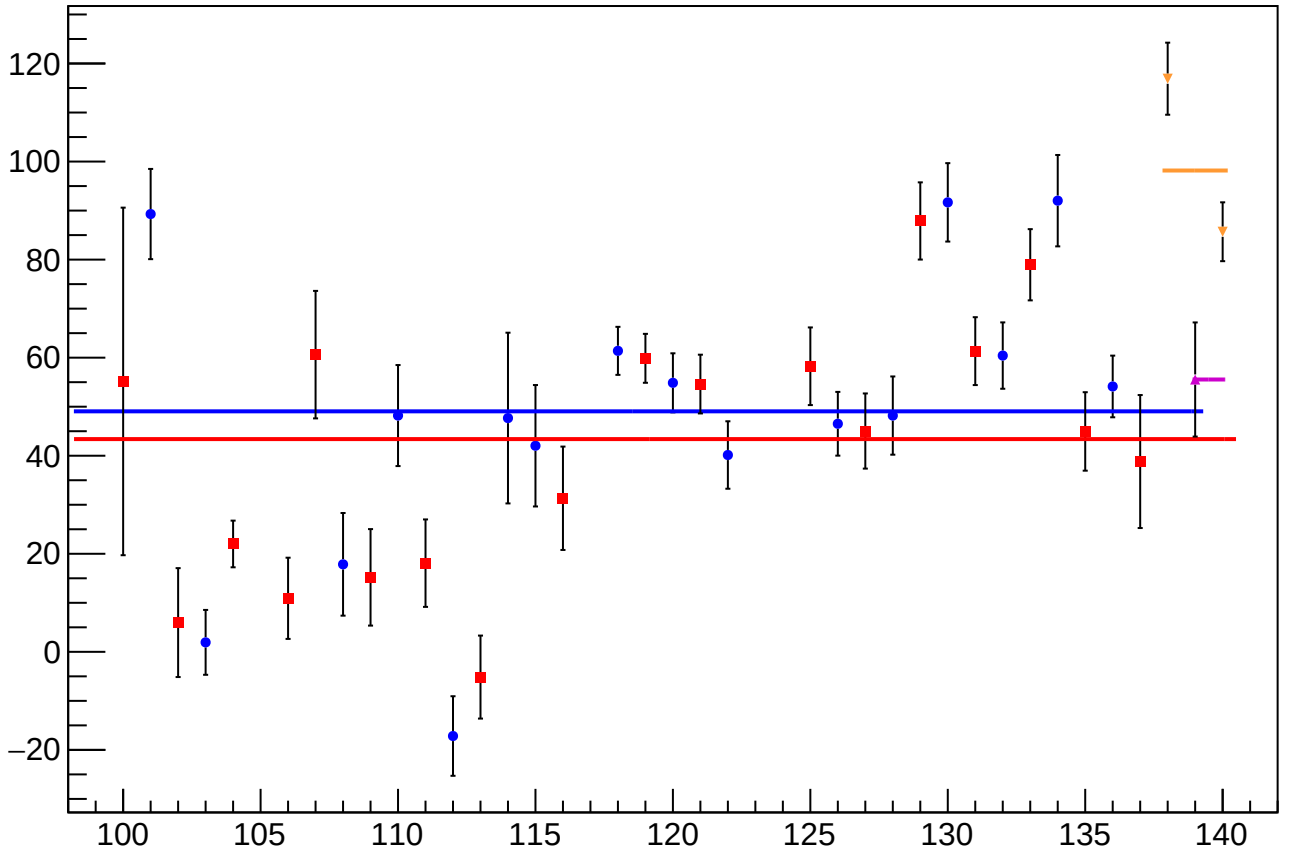
Left: 357.956+/-3.838 χ^2/NDF: 183.7/2

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 344.174+/-1.697 χ^2/NDF:6216.2/16

Out: 322.021+/-1.589 χ^2/NDF:7738.6/19

All: 332.369+/-1.160 χ^2/NDF: 14045.6/36



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 98.173+/-4.649 χ^2/NDF:10.8/1

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 55.546+/-11.639 χ^2/NDF:0.0/0

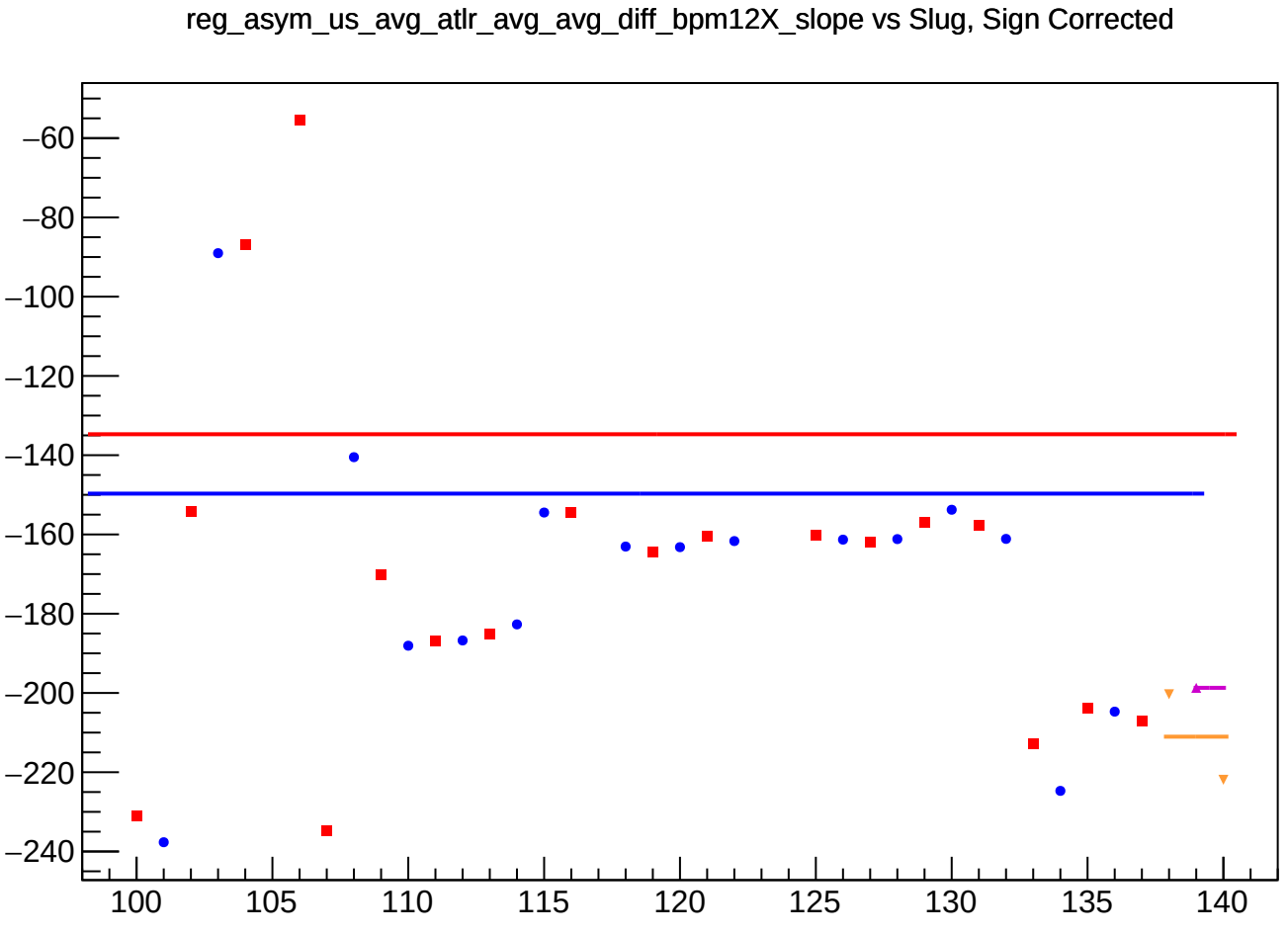
Left: 92.308+/-4.317 χ^2/NDF: 22.4/2

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 49.219+/-1.858 χ^2/NDF:208.2/16

Out: 50.767+/-1.706 χ^2/NDF:311.0/19

All: 50.059+/-1.257 χ^2/NDF: 519.6/36



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -211.030+/-0.194 χ^2/NDF:3085.0/1

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -198.702+/-0.251 χ^2/NDF:0.0/0

Left: -206.408+/-0.154 χ^2/NDF: 4594.5/2

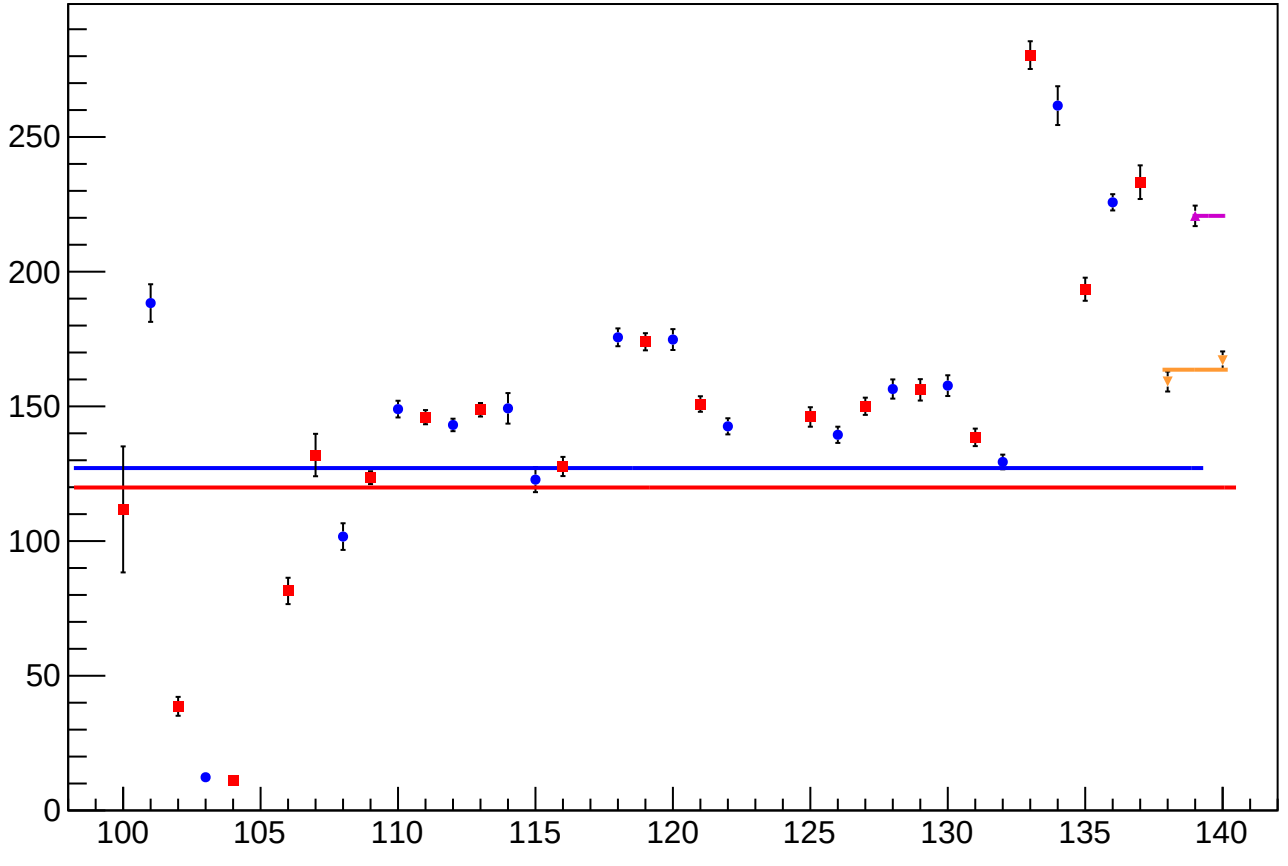
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -156.512+/-0.094 χ^2/NDF:289321.4/16

Out: -149.938+/-0.087 χ^2/NDF:439212.8/19

All: -152.979+/-0.064 χ^2/NDF: 731188.1/36

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 163.615+/-2.466 χ^2/NDF:2.5/1

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 220.724+/-3.804 χ^2/NDF:0.0/0

Left: 180.514+/-2.069 χ^2/NDF: 161.2/2

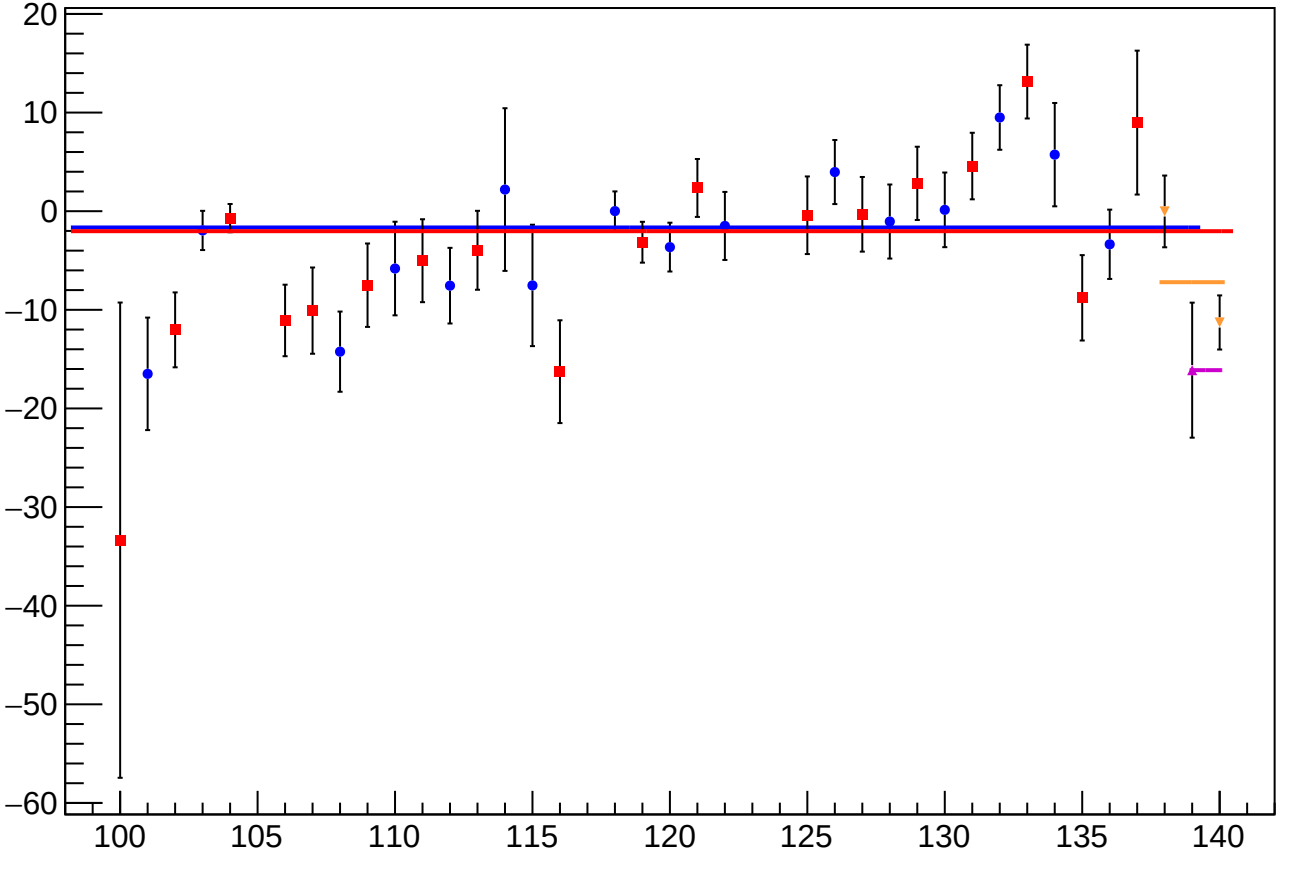
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 131.168+/-0.793 χ^2/NDF:6742.6/16

Out: 123.810+/-0.739 χ^2/NDF:6938.3/19

All: 127.228+/-0.541 χ^2/NDF: 13727.0/36

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -7.198+/-2.191 χ^2/NDF:6.1/1

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -16.118+/-6.846 χ^2/NDF:0.0/0

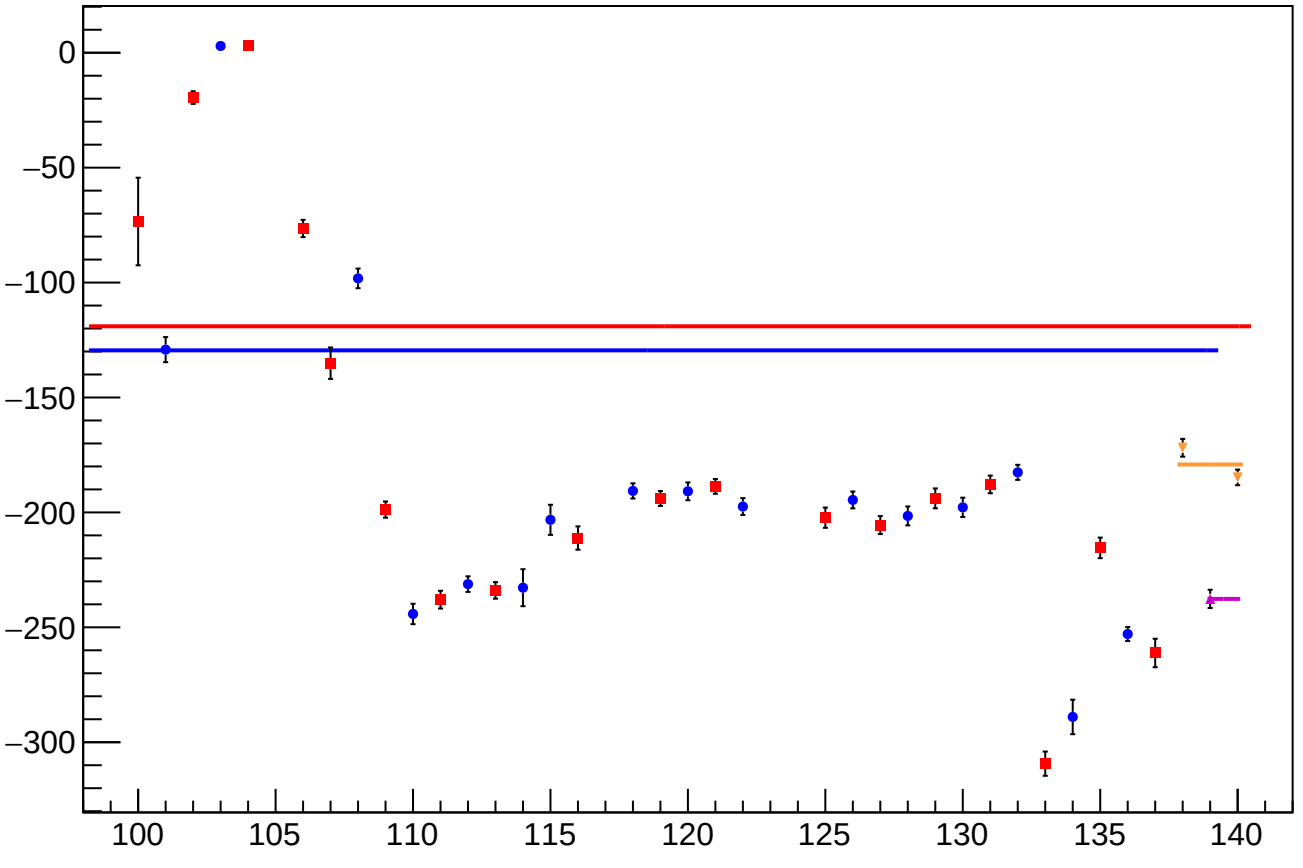
Left: -8.026+/-2.086 χ^2/NDF: 7.6/2

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -1.862+/-0.827 χ^2/NDF:43.5/16

Out: -2.596+/-0.727 χ^2/NDF:69.6/19

All: -2.276+/-0.546 χ^2/NDF: 113.6/36



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -179.165+/-2.552 χ^2/NDF:6.3/1

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -237.630+/-3.966 χ^2/NDF:0.0/0

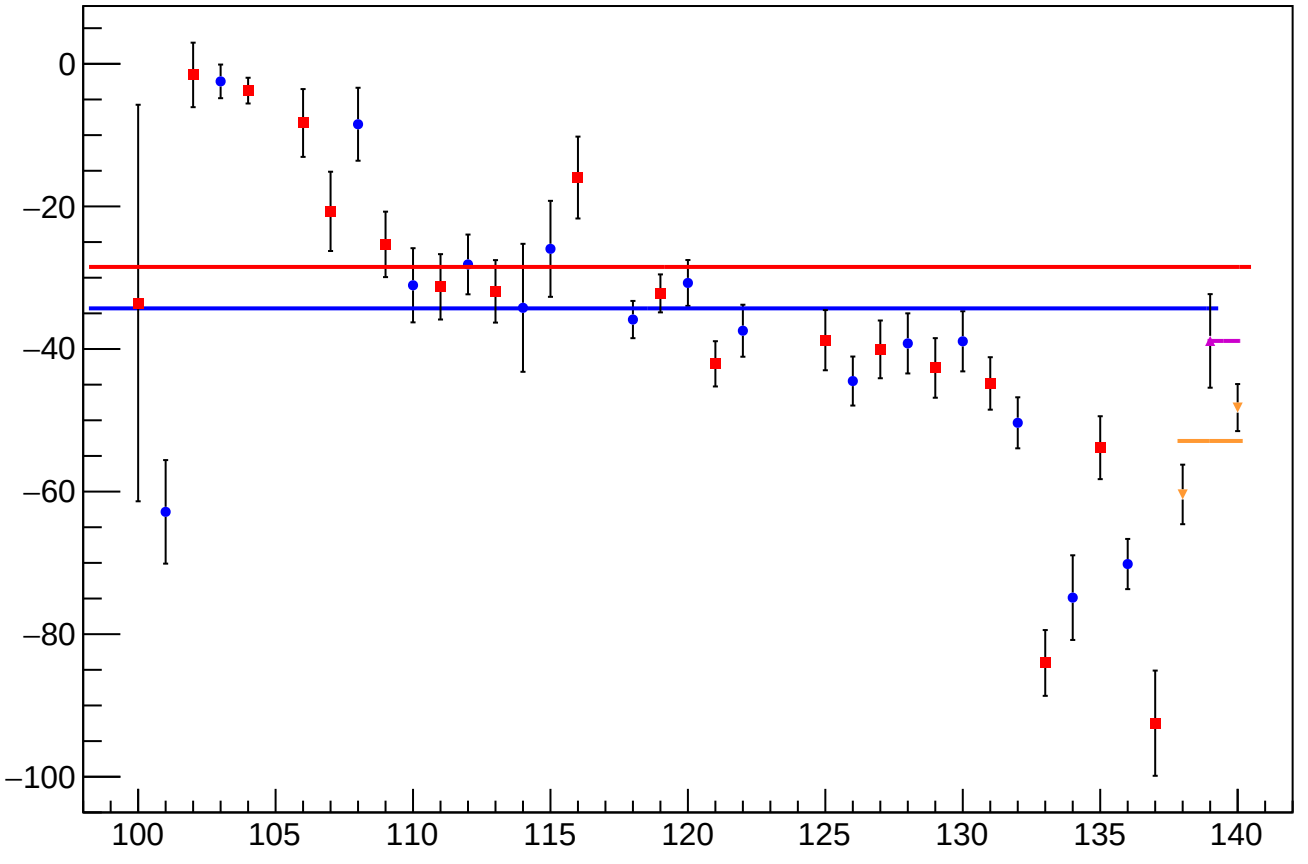
Left: -196.285+/-2.146 χ^2/NDF: 160.0/2

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -134.208+/-0.828 χ^2/NDF:15399.0/16

Out: -124.561+/-0.774 χ^2/NDF:16687.9/19

All: -129.064+/-0.566 χ^2/NDF: 32159.3/36



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -52.898+/-2.589 χ^2/NDF:5.2/1

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -38.866+/-6.564 χ^2/NDF:0.0/0

Left: -51.009+/-2.408 χ^2/NDF: 9.2/2

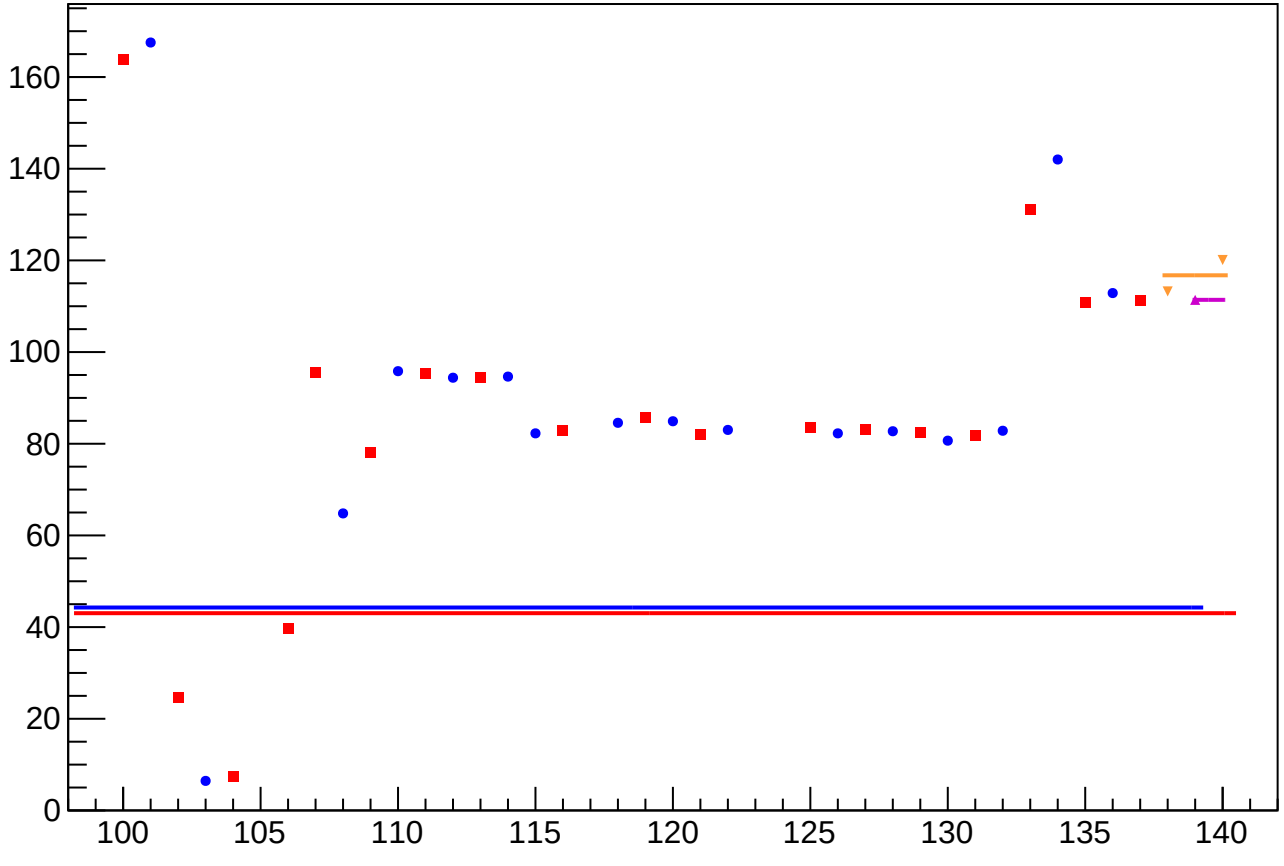
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -34.398+/-0.957 χ^2/NDF:411.8/16

Out: -31.156+/-0.856 χ^2/NDF:652.5/19

All: -32.596+/-0.638 χ^2/NDF: 1070.6/36

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 116.749+/-0.109 χ^2/NDF:996.7/1

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 111.394+/-0.141 χ^2/NDF:0.0/0

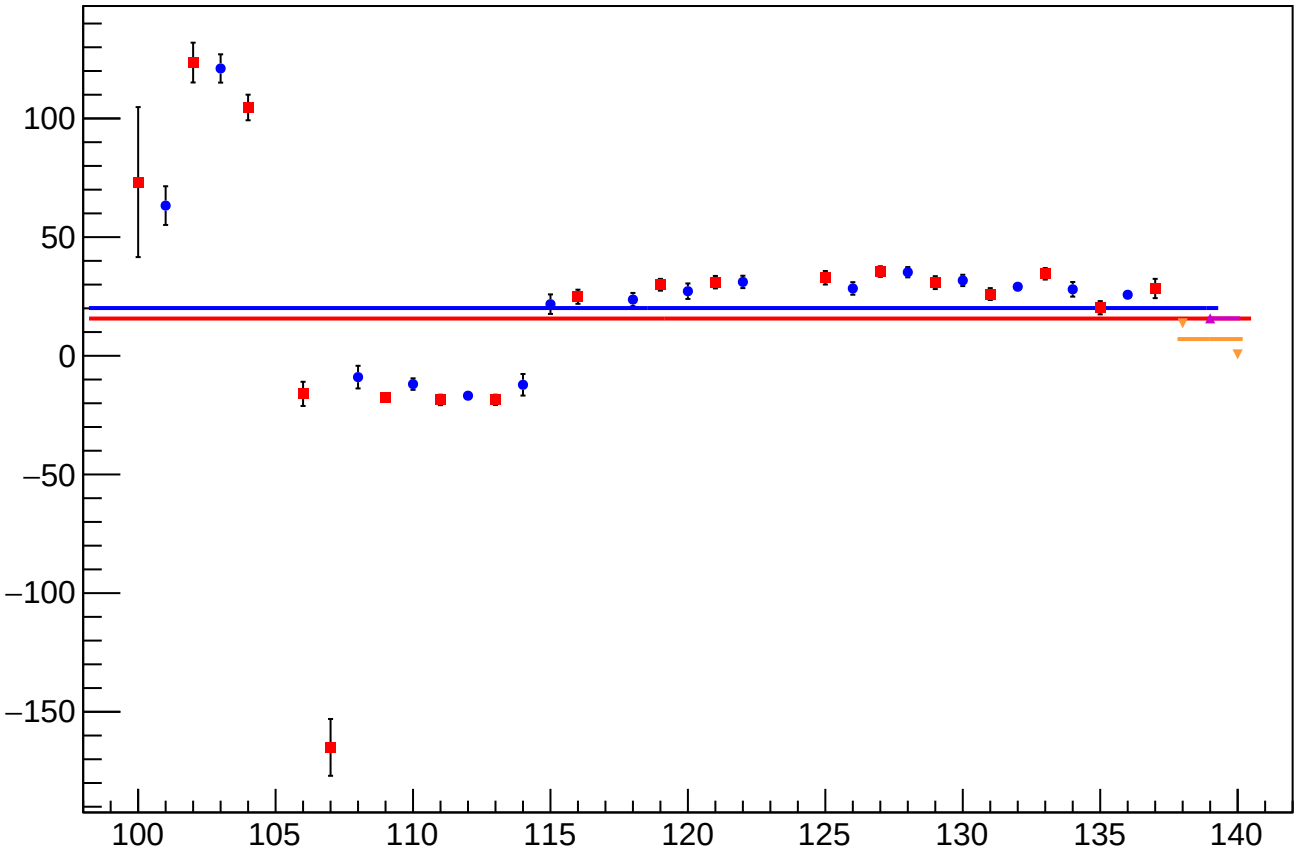
Left: 114.763+/-0.086 χ^2/NDF: 1898.8/2

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 50.431+/-0.043 χ^2/NDF:1289677.2/16

Out: 53.856+/-0.042 χ^2/NDF:1199400.4/19

All: 52.193+/-0.030 χ^2/NDF: 2492368.9/36



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 7.060+/-1.471 χ^2/NDF:19.8/1

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 15.768+/-2.007 χ^2/NDF:0.0/0

Left: 10.102+/-1.187 χ^2/NDF: 32.0/2

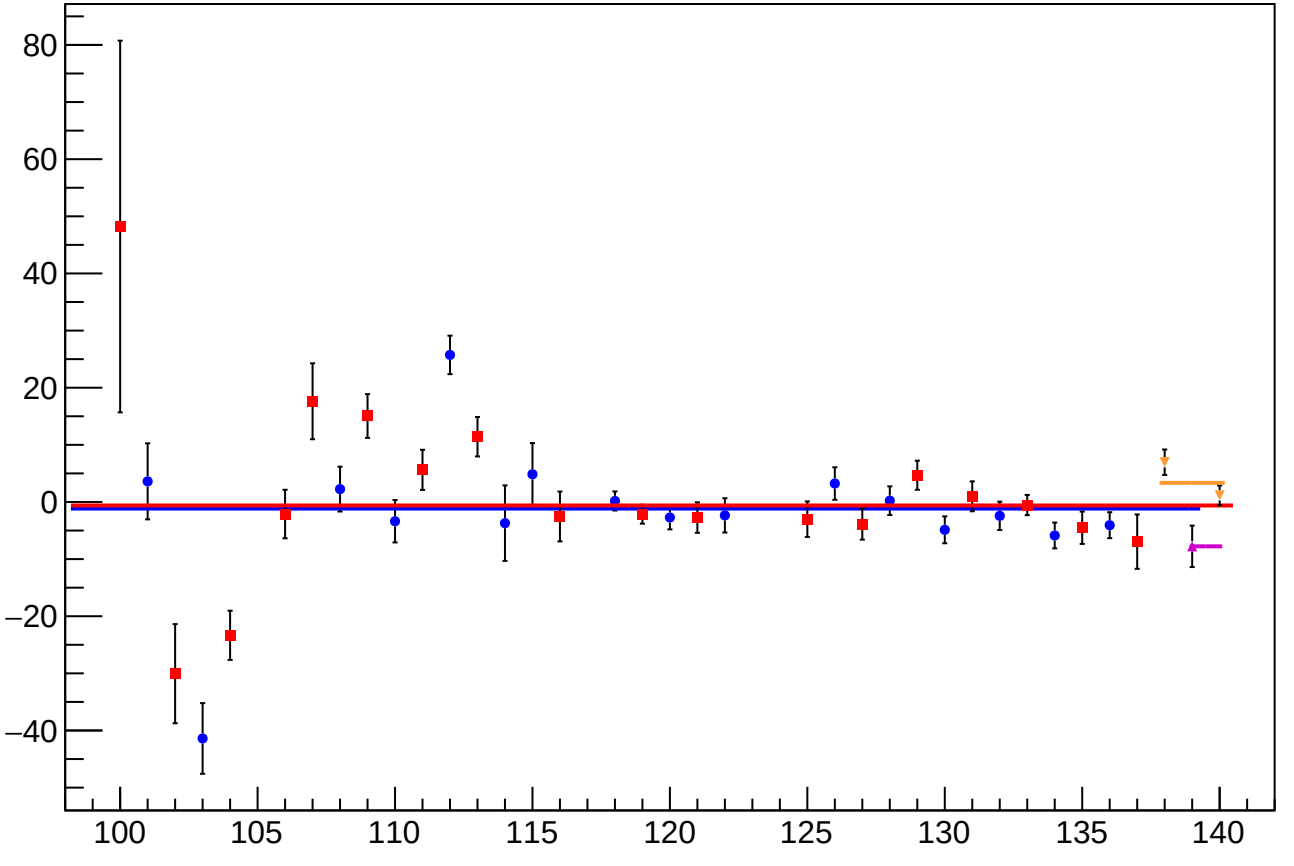
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 19.661+/-0.650 χ^2/NDF:1052.3/16

Out: 14.171+/-0.619 χ^2/NDF:1822.0/19

All: 16.781+/-0.448 χ^2/NDF: 2911.7/36

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 3.344+/-1.369 χ^2/NDF:4.2/1

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -7.765+/-3.627 χ^2/NDF:0.0/0

Left: 1.960+/-1.281 χ^2/NDF: 12.4/2

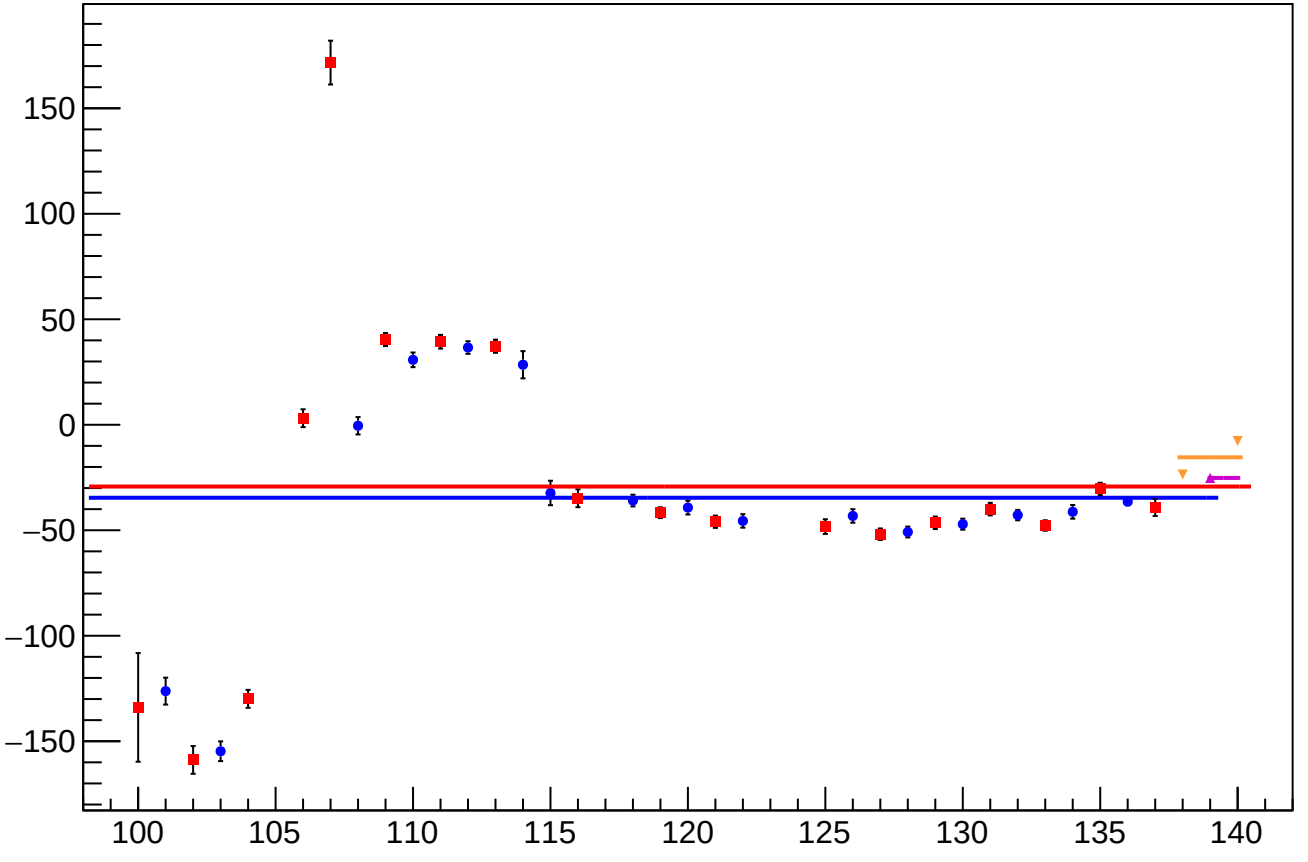
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -1.388+/-0.686 χ^2/NDF:125.1/16

Out: 0.232+/-0.633 χ^2/NDF:104.2/19

All: -0.512+/-0.465 χ^2/NDF: 232.2/36

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -15.439+/-1.524 χ^2/NDF:27.1/1

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -25.203+/-2.091 χ^2/NDF:0.0/0

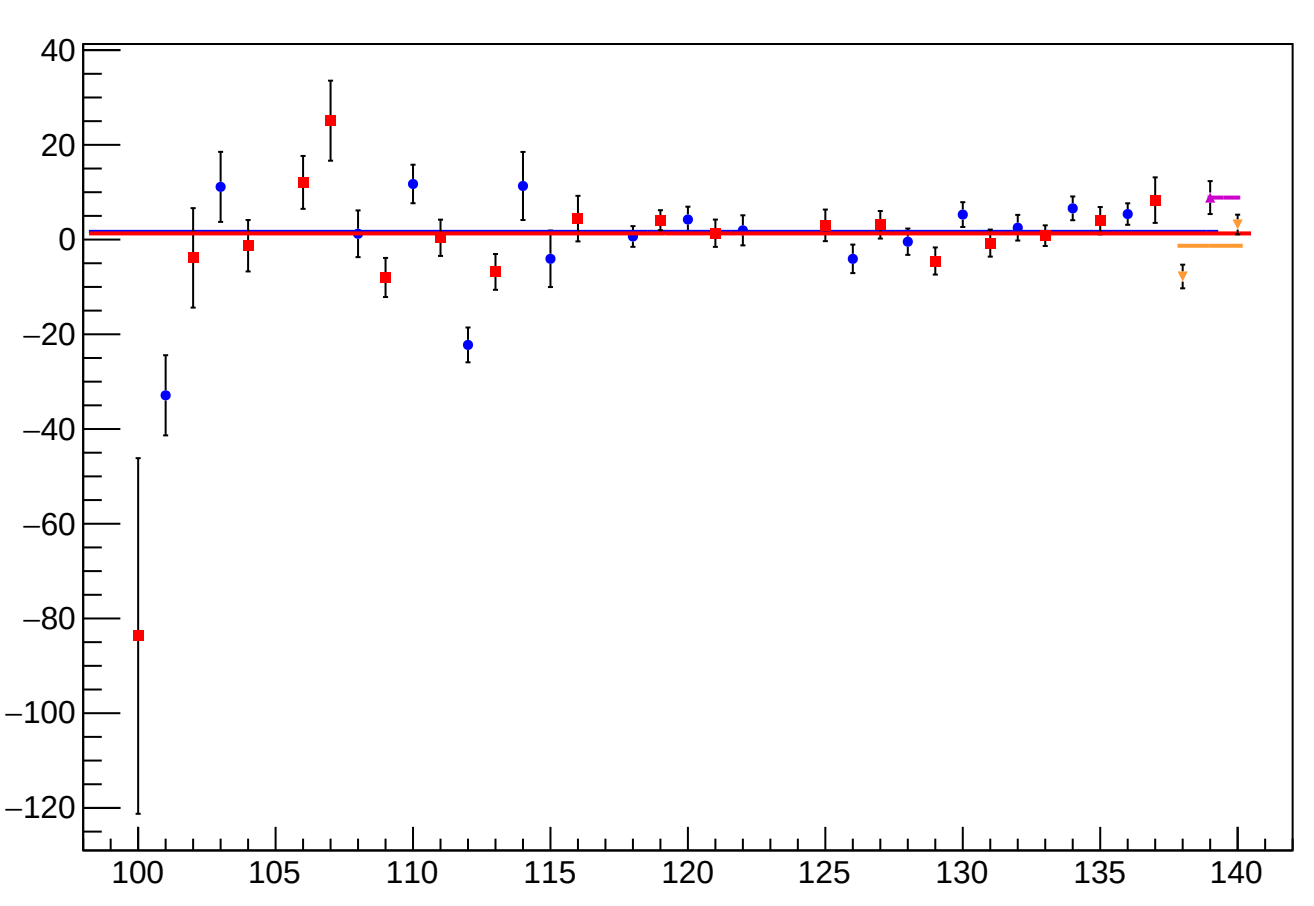
Left: -18.826+/-1.232 χ^2/NDF: 41.3/2

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -33.435+/-0.736 χ^2/NDF:2076.1/16

Out: -26.290+/-0.708 χ^2/NDF:3172.8/19

All: -29.726+/-0.510 χ^2/NDF: 5297.8/36



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: -1.309+/-1.596 χ^2/NDF:11.4/1

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 8.865+/-3.479 χ^2/NDF:0.0/0

Left: 0.460+/-1.451 χ^2/NDF: 18.5/2

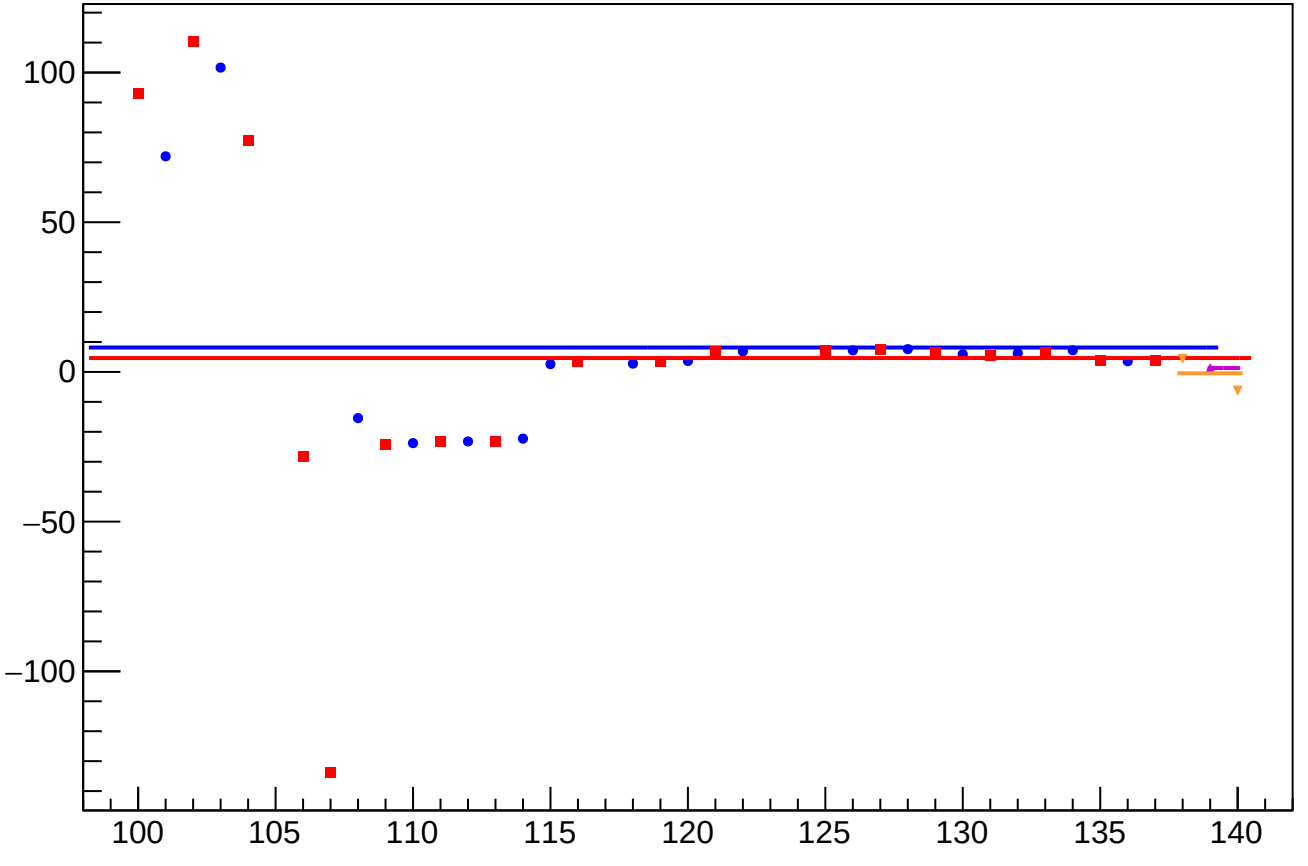
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 1.991+/-0.777 χ^2/NDF:87.4/16

Out: 0.758+/-0.727 χ^2/NDF:51.1/19

All: 1.333+/-0.531 χ^2/NDF: 139.8/36

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -0.453+/-0.063 χ^2/NDF:6951.1/1

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: 1.306+/-0.075 χ^2/NDF:0.0/0

Left: 0.282+/-0.048 χ^2/NDF: 7273.0/2

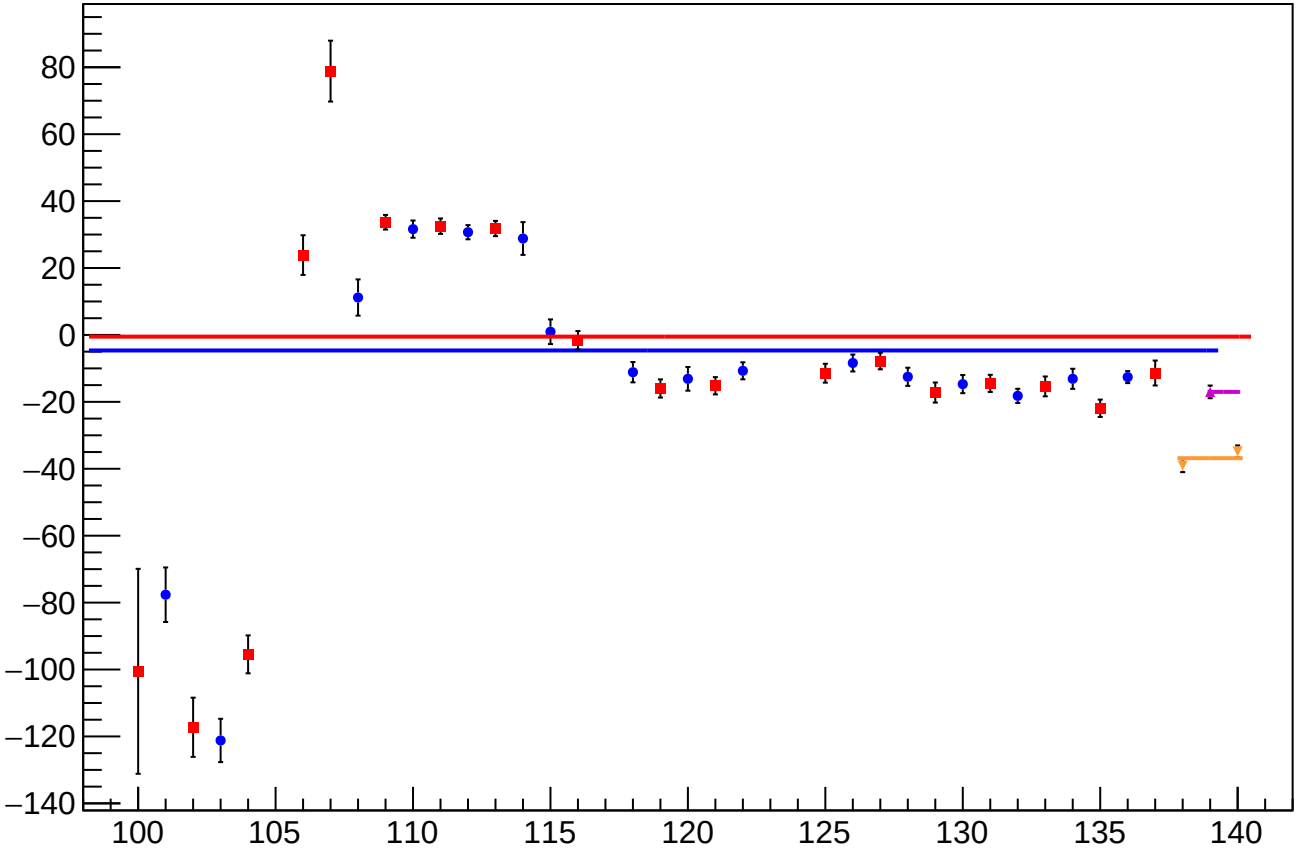
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 6.129+/-0.041 χ^2/NDF:319247.8/16

Out: 2.605+/-0.040 χ^2/NDF:457632.0/19

All: 4.342+/-0.029 χ^2/NDF: 780694.9/36

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: -36.840+/-1.321 χ^2/NDF:2.6/1

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -17.021+/-1.893 χ^2/NDF:0.0/0

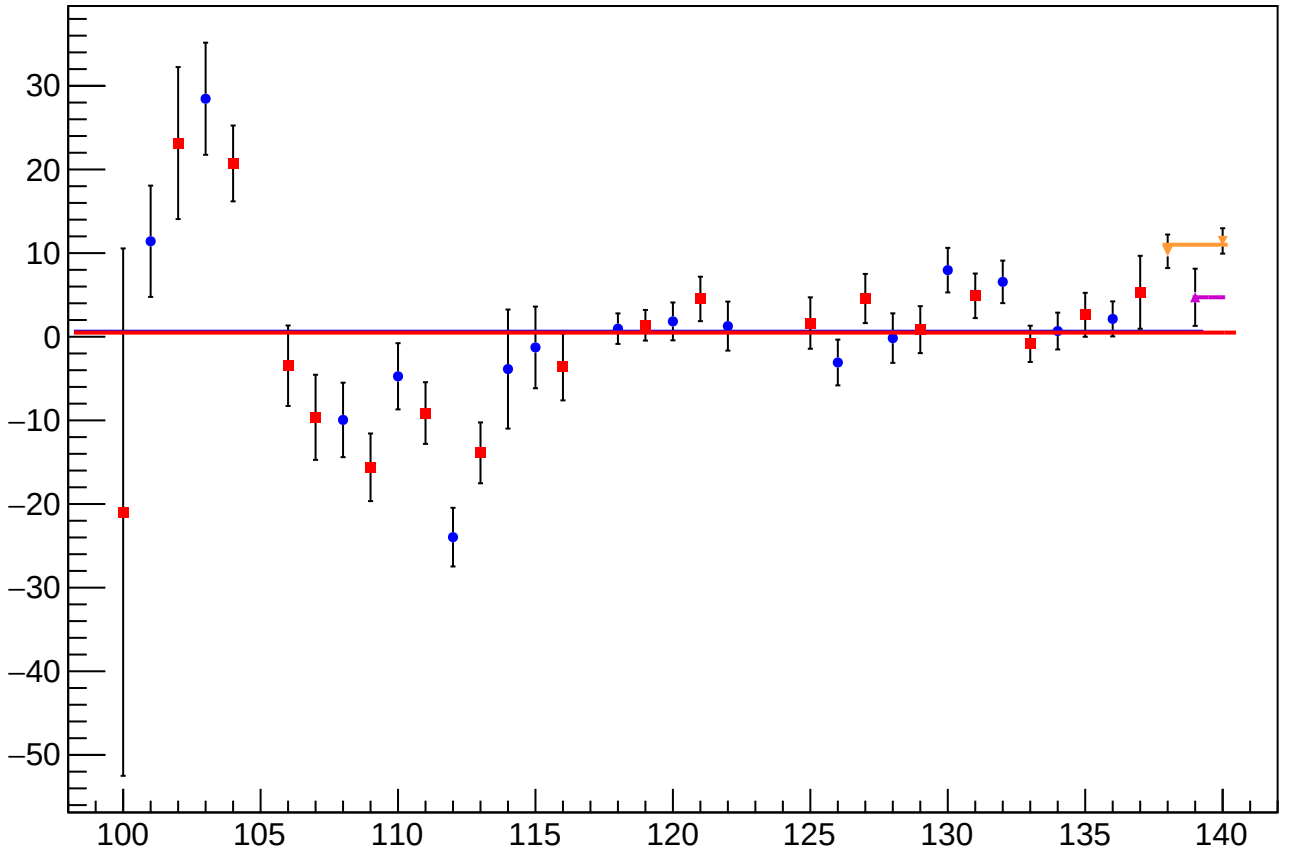
Left: -30.352+/-1.083 χ^2/NDF: 76.3/2

Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -6.173+/-0.666 χ^2/NDF:1083.7/16

Out: -8.668+/-0.626 χ^2/NDF:2047.3/19

All: -7.498+/-0.456 χ^2/NDF: 3138.5/36



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 11.003+/-1.210 χ^2/NDF:0.2/1

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 4.717+/-3.419 χ^2/NDF:0.0/0

Left: 10.303+/-1.141 χ^2/NDF: 3.2/2

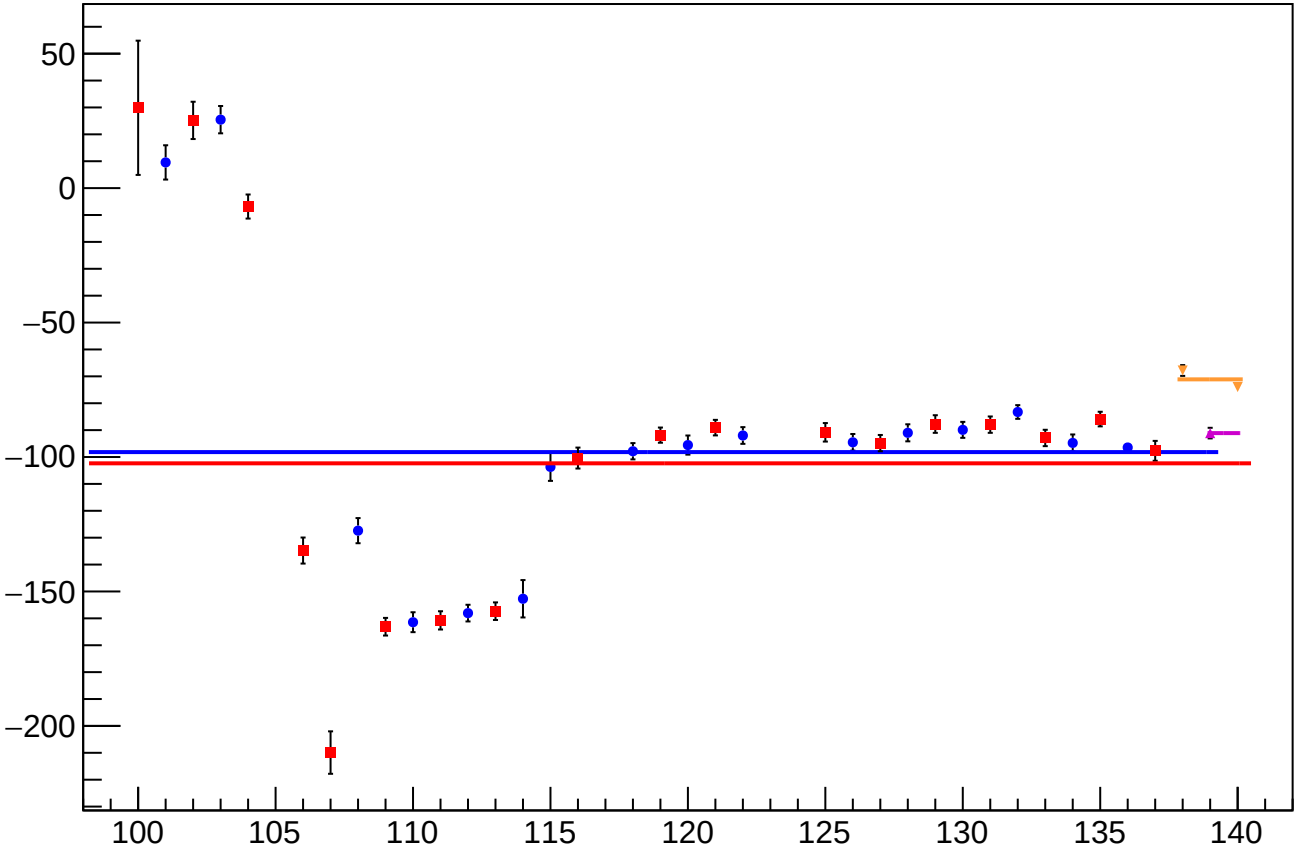
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 0.780+/-0.711 χ^2/NDF:94.3/16

Out: 3.440+/-0.640 χ^2/NDF:134.7/19

All: 2.249+/-0.476 χ^2/NDF: 236.7/36

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: -71.122+/-1.368 χ^2/NDF:5.0/1

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -91.109+/-1.973 χ^2/NDF:0.0/0

Left: -77.611+/-1.124 χ^2/NDF: 74.4/2

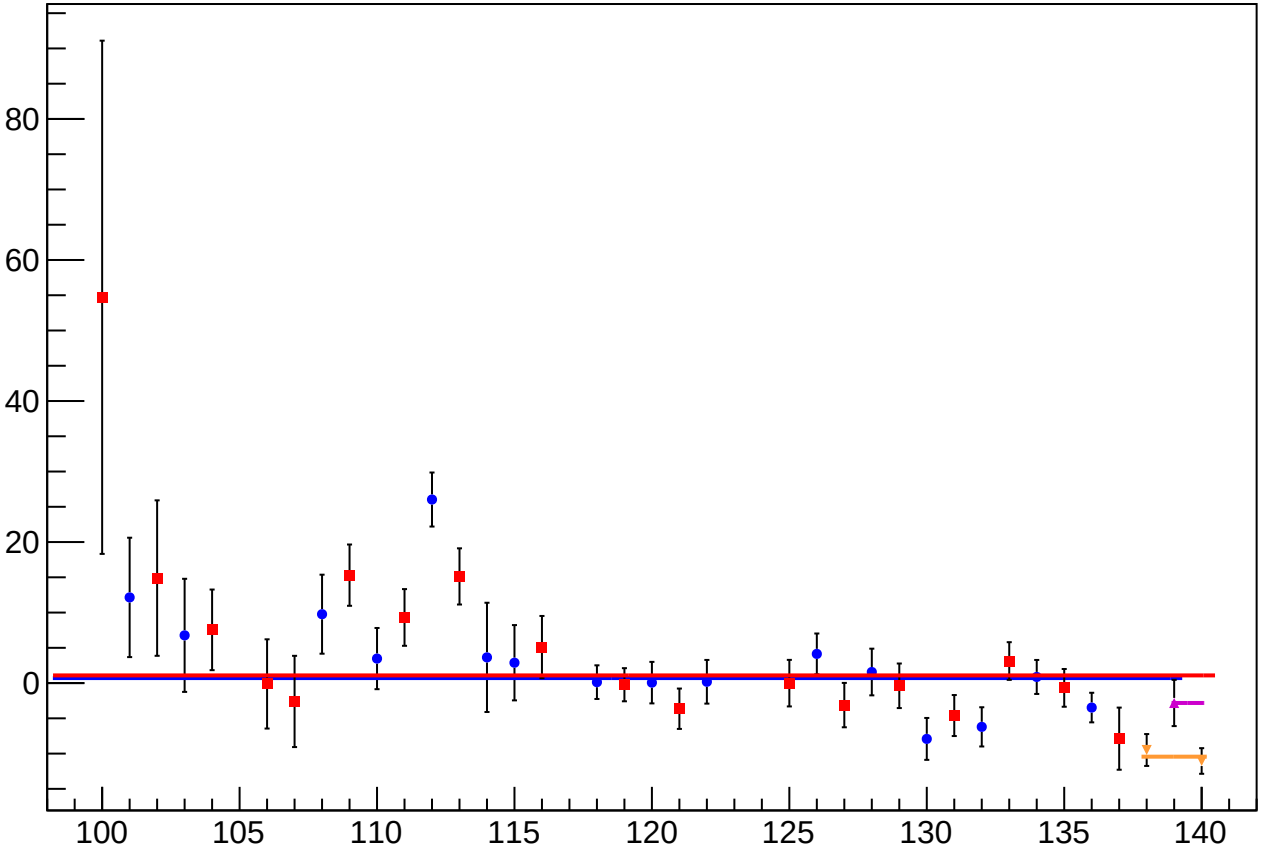
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -97.144+/-0.751 χ^2/NDF:1710.9/16

Out: -93.842+/-0.714 χ^2/NDF:2501.8/19

All: -95.408+/-0.518 χ^2/NDF: 4222.8/36

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -10.435+/-1.417 χ^2/NDF:0.3/1

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -2.820+/-3.280 χ^2/NDF:0.0/0

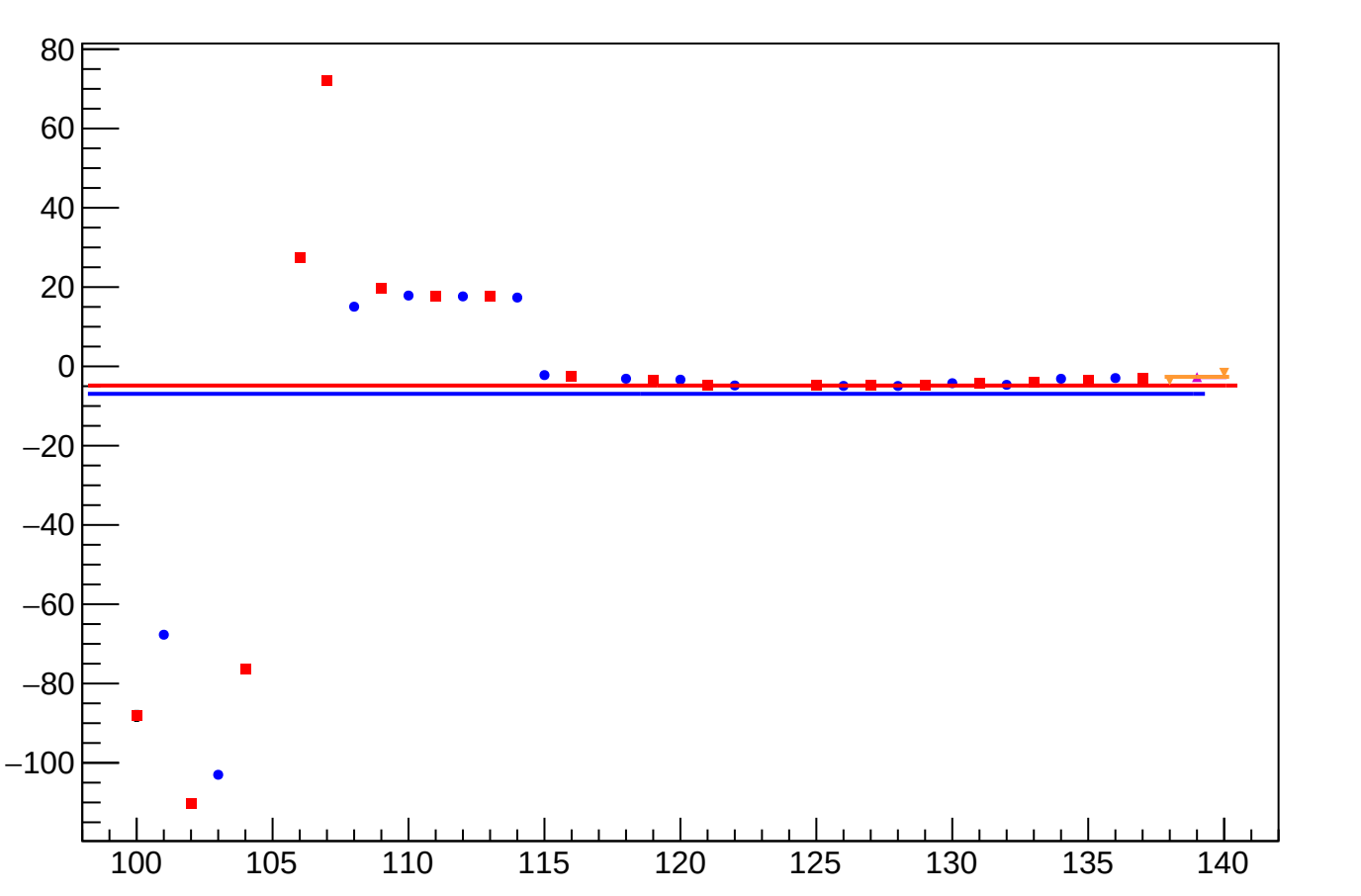
Left: -9.238+/-1.301 χ^2/NDF: 4.8/2

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 0.503+/-0.797 χ^2/NDF:70.7/16

Out: -1.996+/-0.733 χ^2/NDF:96.4/19

All: -0.851+/-0.539 χ^2/NDF: 172.4/36



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -2.639+/-0.057 χ^2/NDF:289.7/1

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -2.690+/-0.070 χ^2/NDF:0.0/0

Left: -2.659+/-0.044 χ^2/NDF: 290.0/2

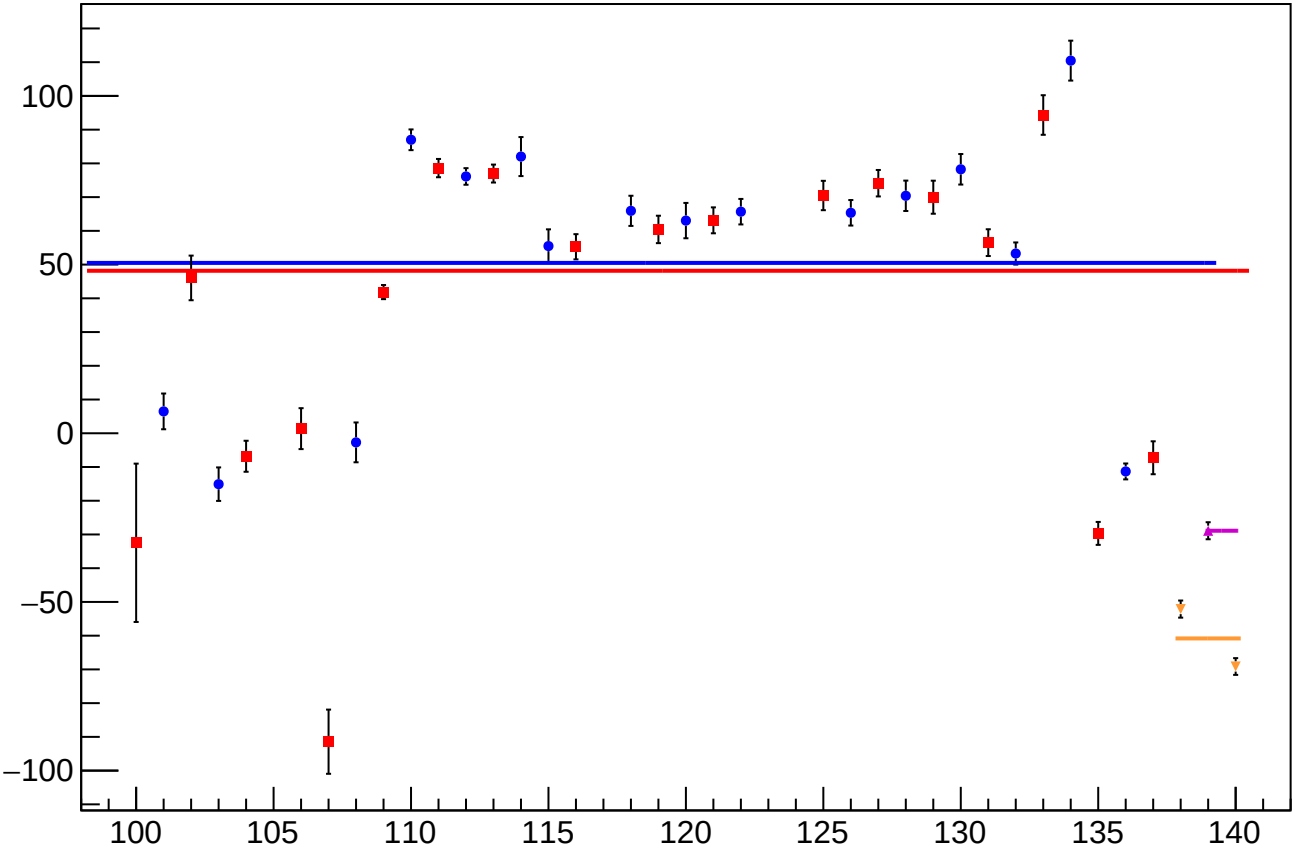
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -5.565+/-0.040 χ^2/NDF:267638.4/16

Out: -3.824+/-0.039 χ^2/NDF:340446.3/19

All: -4.669+/-0.028 χ^2/NDF: 609060.4/36

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: -60.819+/-1.774 χ^2/NDF:23.0/1

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -28.895+/-2.525 χ^2/NDF:0.0/0

Left: -50.271+/-1.451 χ^2/NDF: 130.0/2

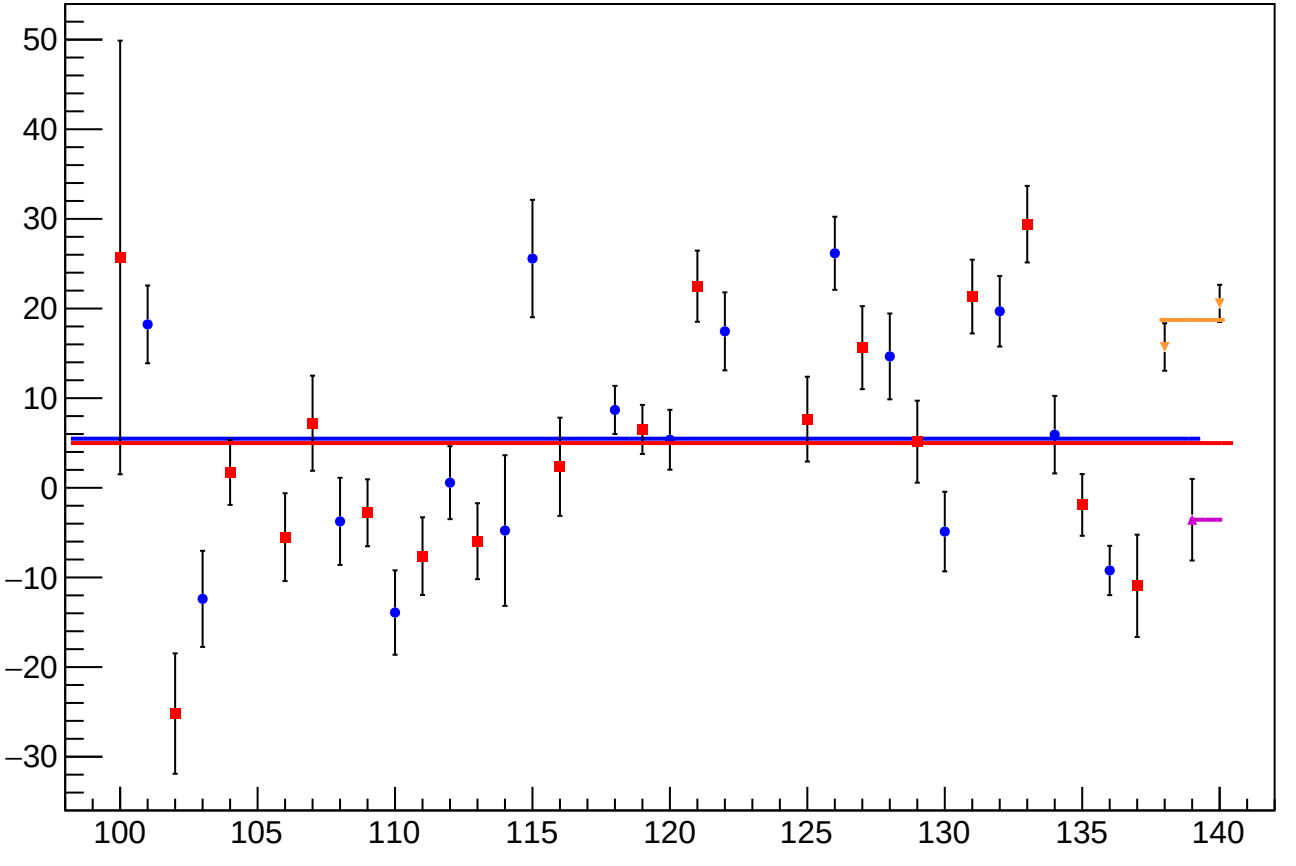
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 40.378+/-0.902 χ^2/NDF:2366.3/16

Out: 25.292+/-0.813 χ^2/NDF:4525.7/19

All: 32.054+/-0.604 χ^2/NDF: 7046.4/36

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 18.725+/-1.632 χ^2/NDF:2.1/1

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -3.559+/-4.550 χ^2/NDF:0.0/0

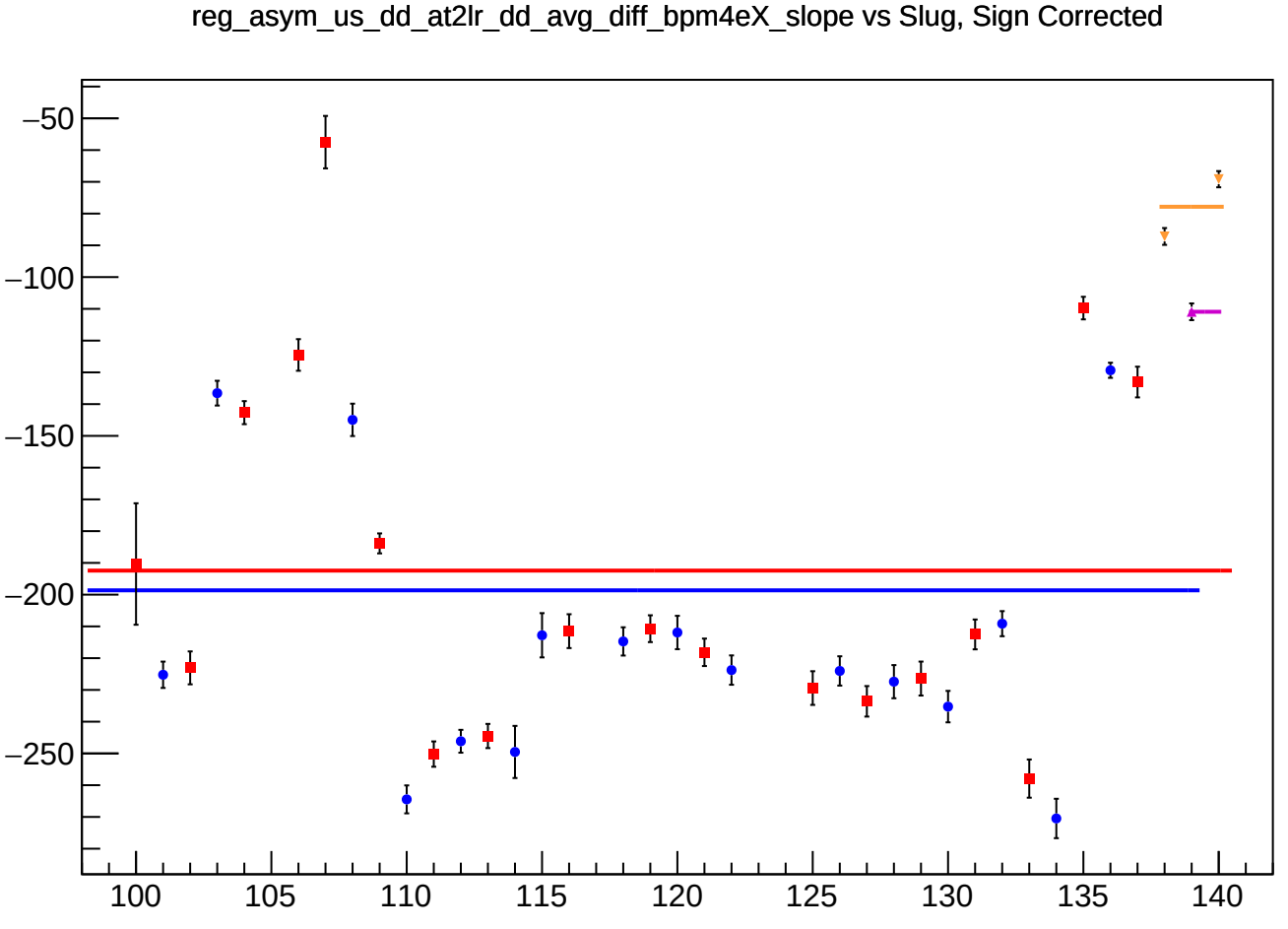
Left: 16.186+/-1.536 χ^2/NDF: 23.3/2

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

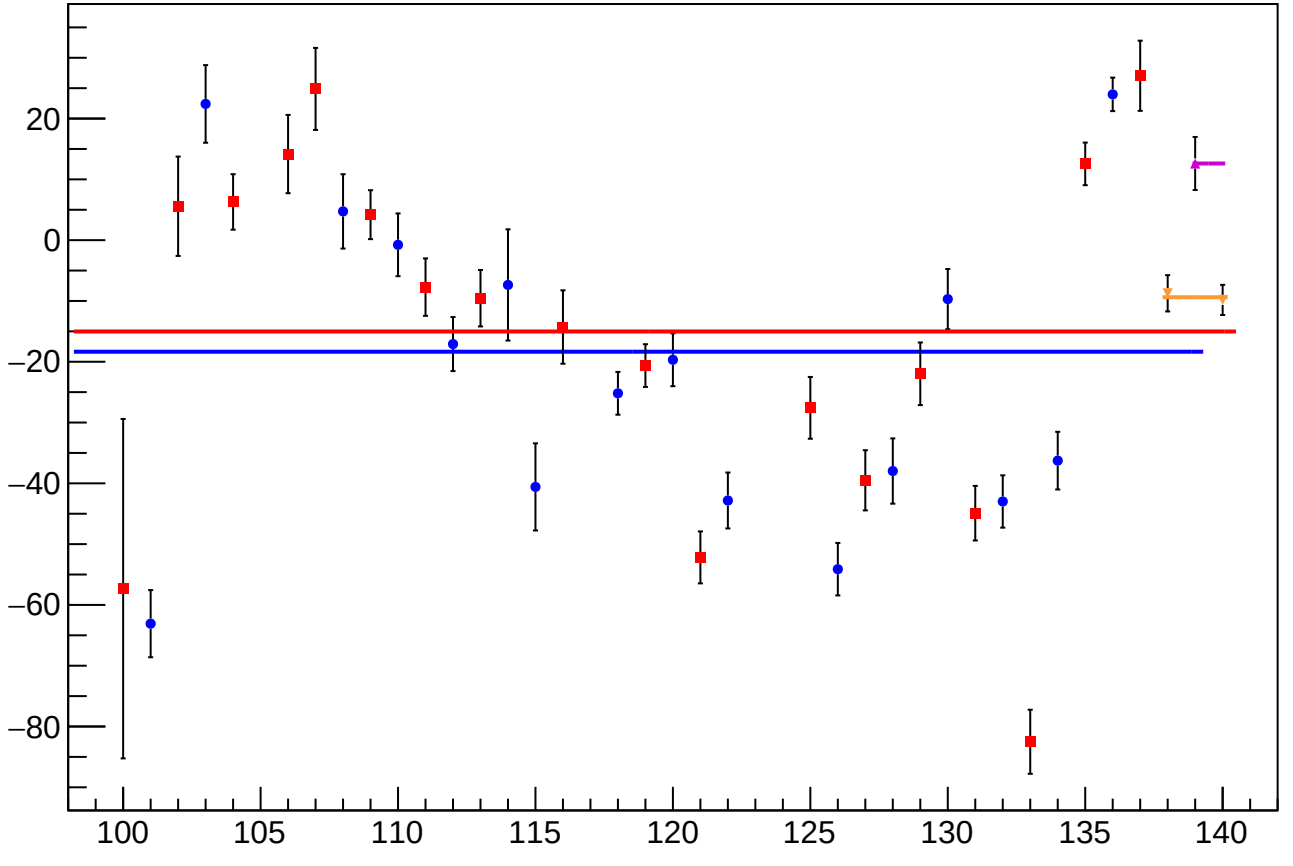
In: 5.047+/-0.996 χ^2/NDF:141.9/16

Out: 8.864+/-0.866 χ^2/NDF:184.8/19

All: 7.220+/-0.654 χ^2/NDF: 335.1/36


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
105
110
115
120
125
130
135
140
Right In: -198.641+/-1.083 χ²/NDF: 2002.3/15
Left Out: -77.851+/-1.838 χ²/NDF:24.0/1
Right Out: -192.426+/-1.080 χ²/NDF: 2139.0/17
Left In: -110.921+/-2.632 χ²/NDF:0.0/0
Left: -88.688+/-1.507 χ²/NDF: 130.2/2
Right: -195.523+/-0.765 χ²/NDF: 4157.8/33
In: -185.931+/-1.002 χ²/NDF:2952.1/16
Out: -163.019+/-0.931 χ²/NDF:5053.1/19
All: -173.636+/-0.682 χ²/NDF: 8285.9/36

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: -9.387+/-1.909 χ^2/NDF:0.1/1

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 12.610+/-4.364 χ^2/NDF:0.0/0

Left: -5.855+/-1.749 χ^2/NDF: 21.4/2

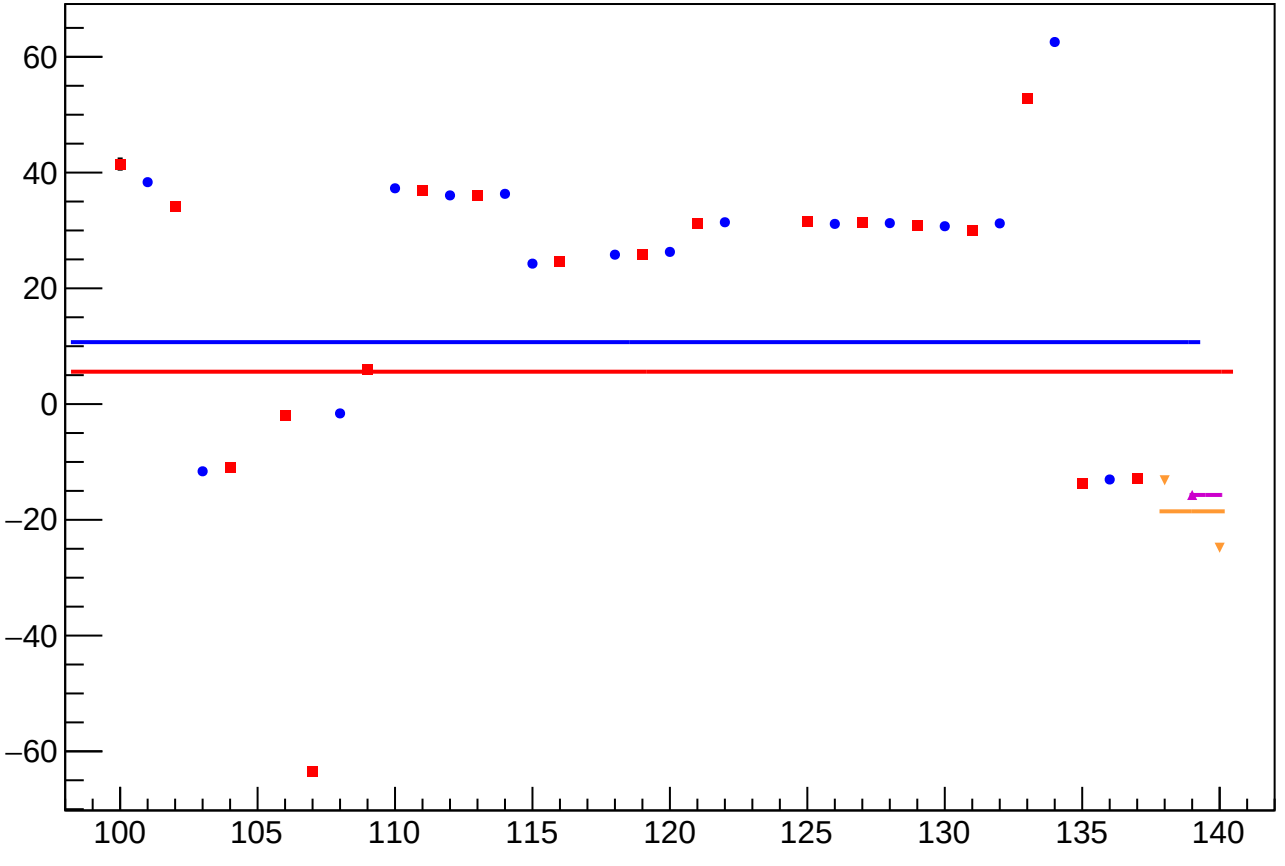
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -16.307+/-1.120 χ^2/NDF:590.9/16

Out: -13.498+/-0.992 χ^2/NDF:552.9/19

All: -14.733+/-0.743 χ^2/NDF: 1147.3/36

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -18.532+/-0.077 χ^2/NDF:5728.1/1

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -15.701+/-0.094 χ^2/NDF:0.0/0

Left: -17.398+/-0.059 χ^2/NDF: 6273.6/2

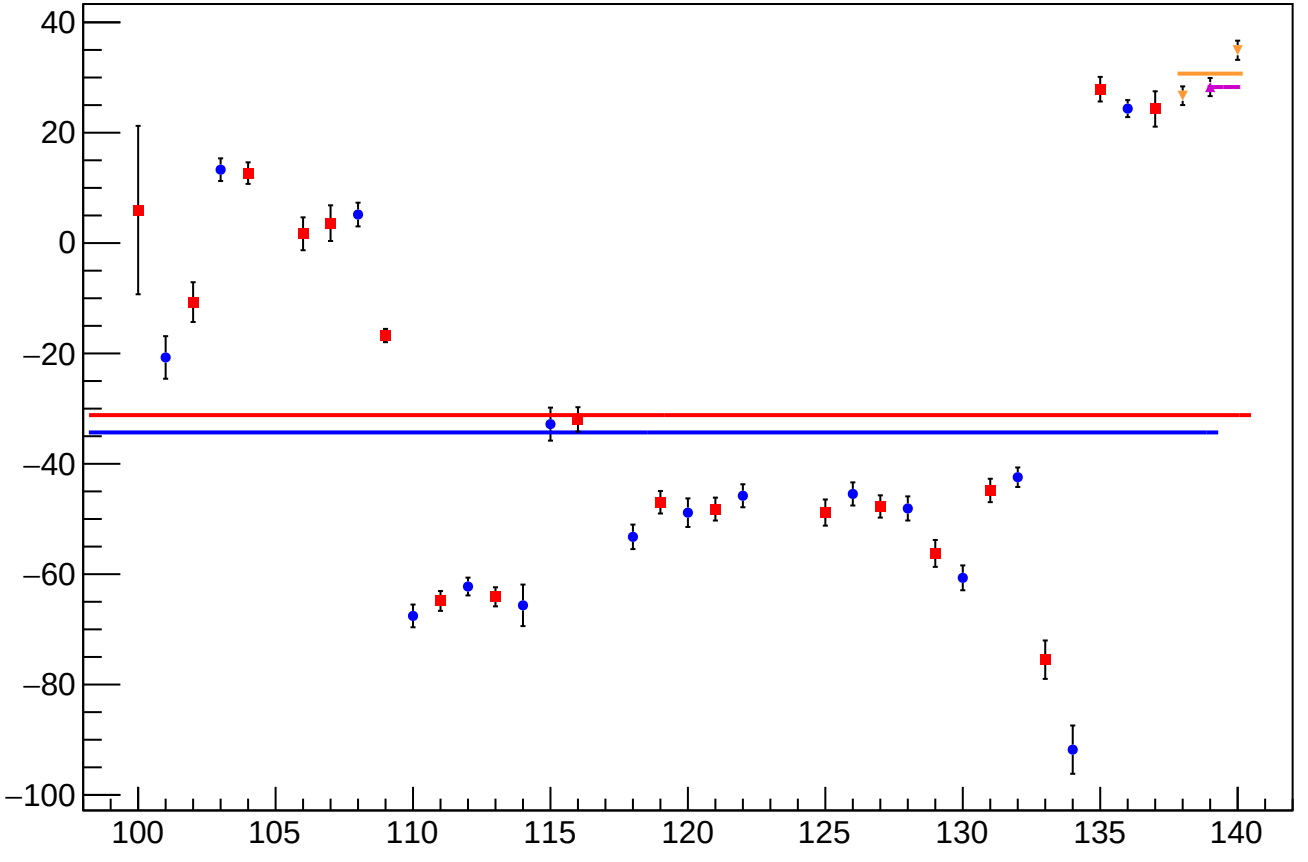
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: 2.518+/-0.052 χ^2/NDF:219485.3/16

Out: -4.235+/-0.049 χ^2/NDF:219297.4/19

All: -1.077+/-0.036 χ^2/NDF: 447675.1/36

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 30.709+/-1.211 χ^2/NDF:11.6/1

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 28.276+/-1.646 χ^2/NDF:0.0/0

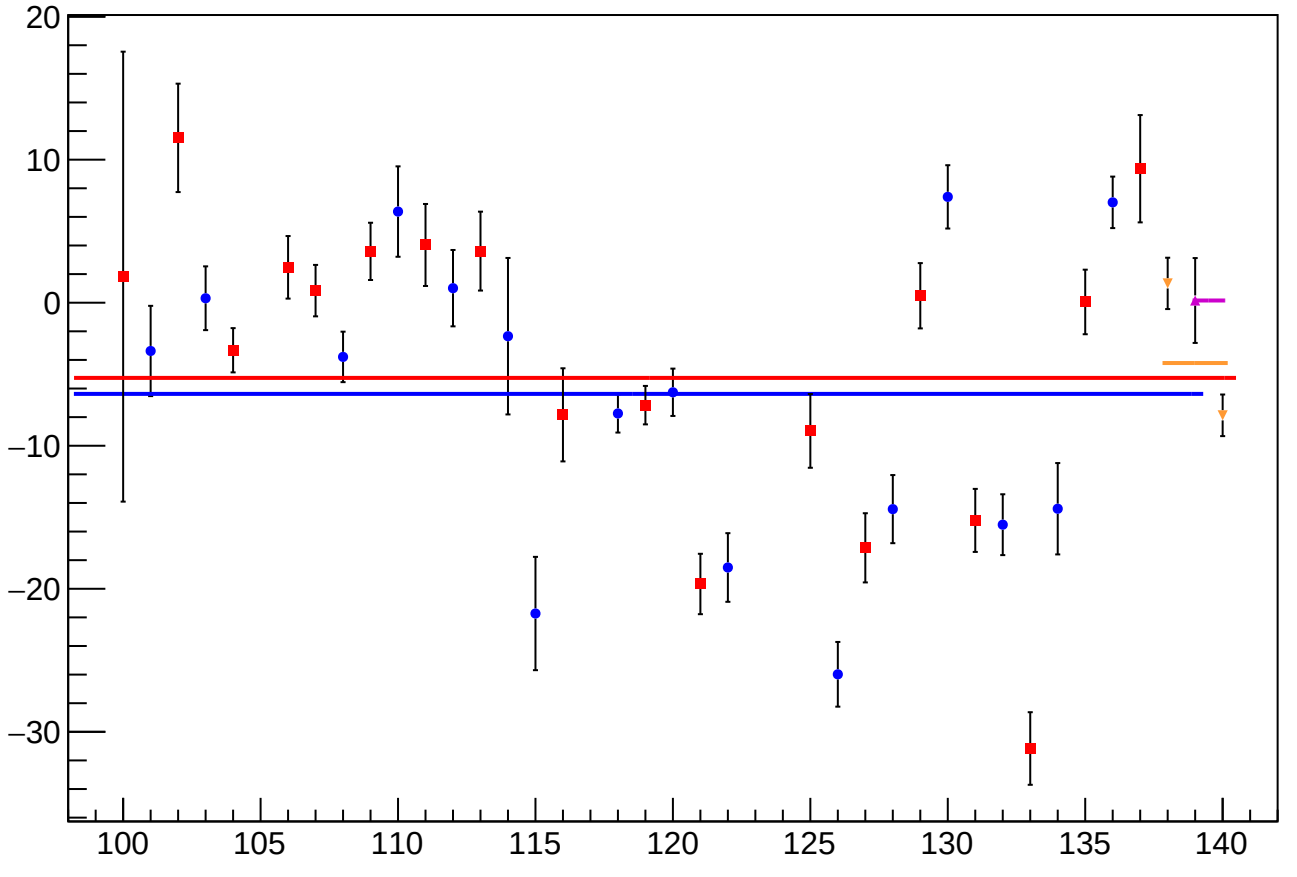
Left: 29.854+/-0.976 χ^2/NDF: 13.0/2

Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -28.075+/-0.520 χ^2/NDF:4801.9/16

Out: -21.679+/-0.475 χ^2/NDF:5421.3/19

All: -24.587+/-0.350 χ^2/NDF: 10305.9/36



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -4.217+/-1.130 χ^2/NDF:15.9/1

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: 0.155+/-2.967 χ^2/NDF:0.0/0

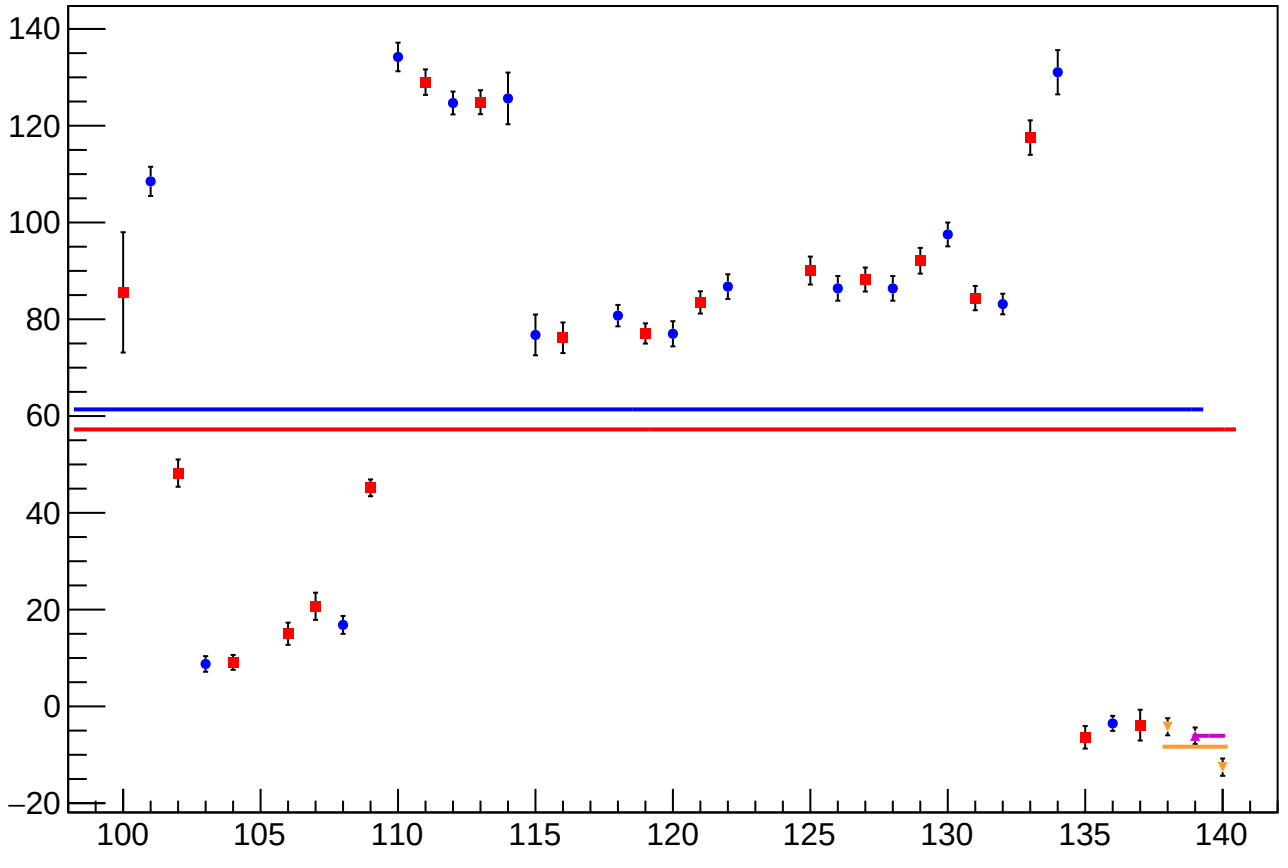
Left: -3.663+/-1.056 χ^2/NDF: 17.8/2

Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -6.155+/-0.544 χ^2/NDF:288.3/16

Out: -5.068+/-0.482 χ^2/NDF:329.6/19

All: -5.545+/-0.361 χ^2/NDF: 620.1/36



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -8.332+/-1.256 χ^2/NDF:11.1/1

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -6.074+/-1.716 χ^2/NDF:0.0/0

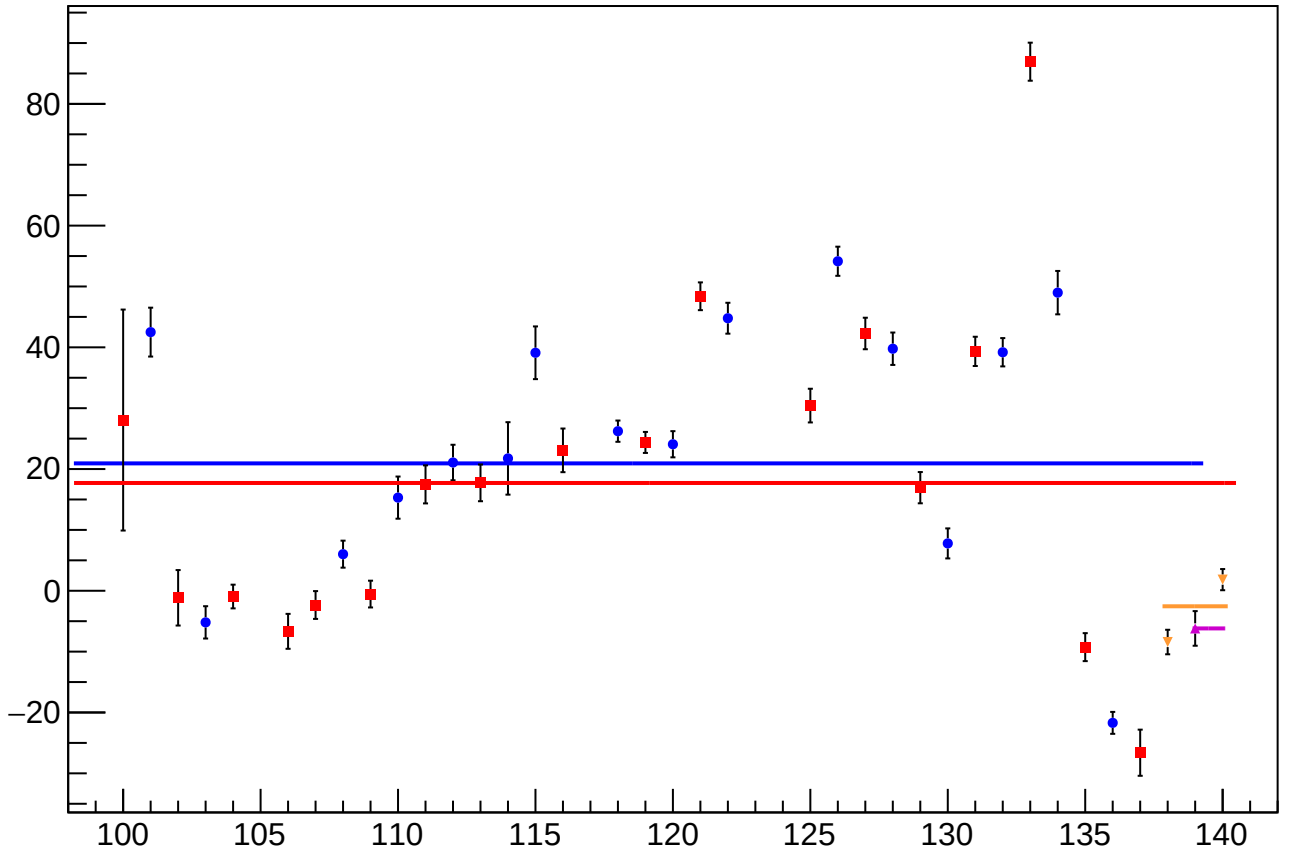
Left: -7.545+/-1.013 χ^2/NDF: 12.2/2

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 54.151+/-0.562 χ^2/NDF:7446.7/16

Out: 45.702+/-0.527 χ^2/NDF:7526.1/19

All: 49.656+/-0.384 χ^2/NDF: 15093.3/36



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -2.551+/-1.317 χ^2/NDF:14.8/1

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -6.188+/-2.845 χ^2/NDF:0.0/0

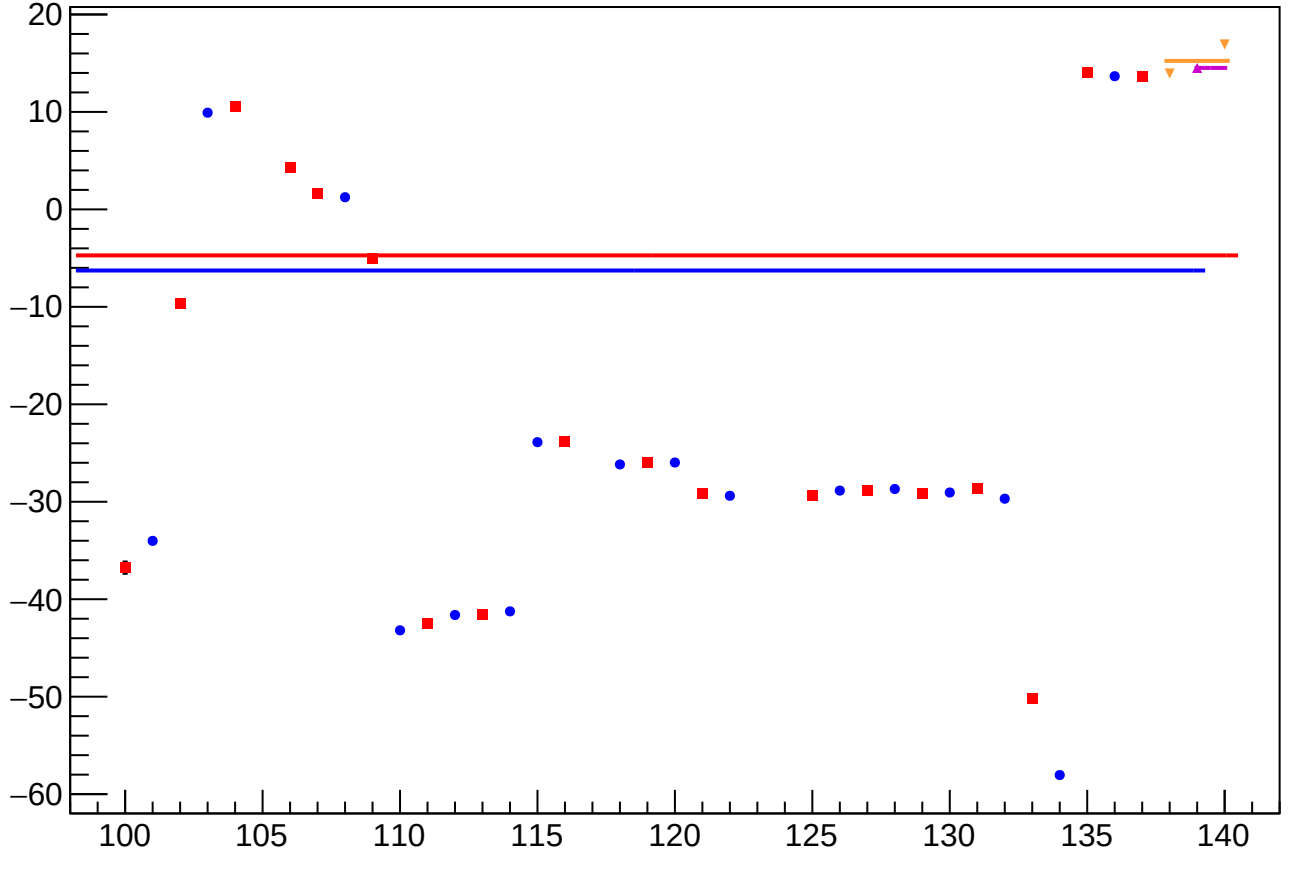
Left: -3.193+/-1.195 χ^2/NDF: 16.2/2

Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 19.624+/-0.625 χ^2/NDF:1331.9/16

Out: 14.053+/-0.560 χ^2/NDF:1690.7/19

All: 16.534+/-0.417 χ^2/NDF: 3066.8/36



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.239+/-0.052 χ^2/NDF:803.5/1

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 14.517+/-0.061 χ^2/NDF:0.0/0

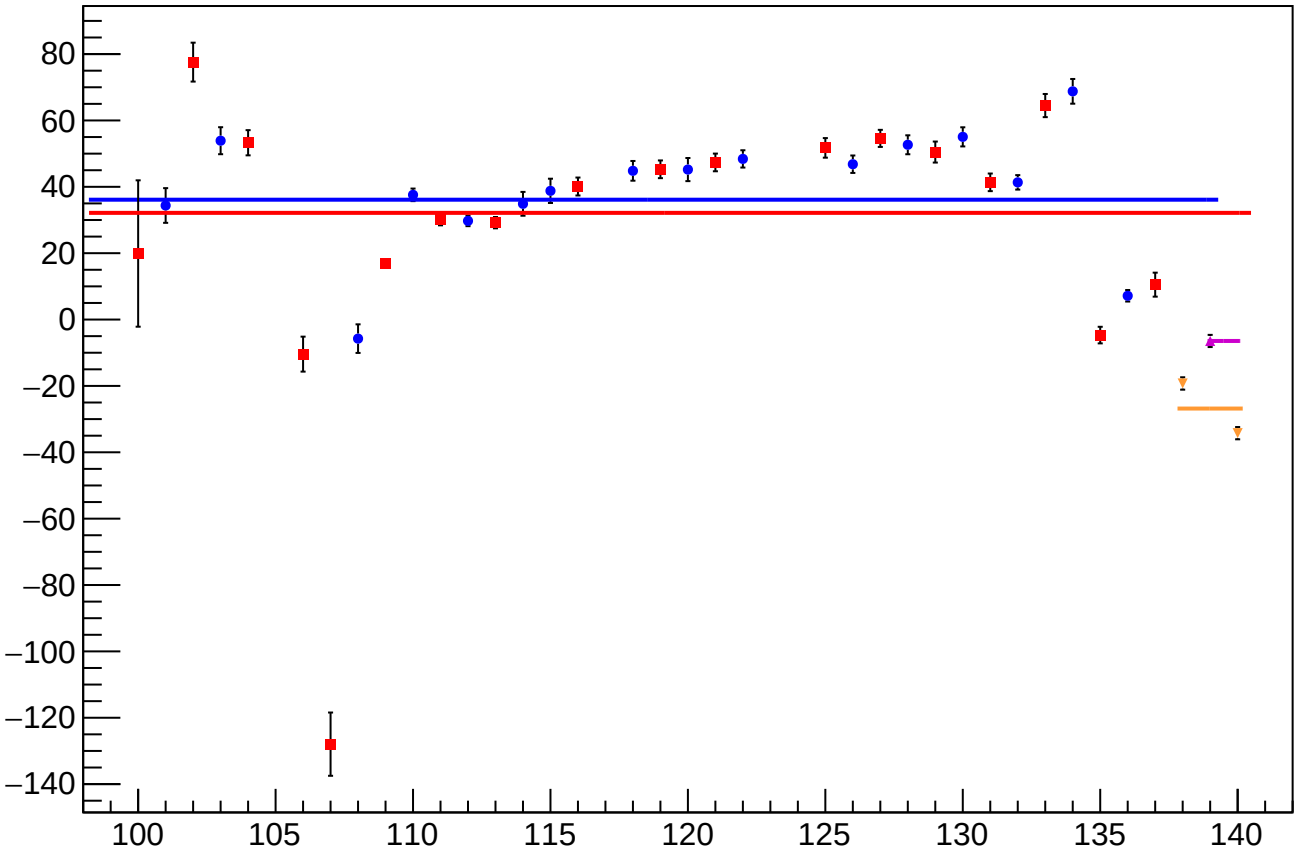
Left: 14.935+/-0.040 χ^2/NDF: 884.1/2

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: -1.497+/-0.029 χ^2/NDF:499344.2/16

Out: 1.161+/-0.028 χ^2/NDF:410896.1/19

All: -0.120+/-0.020 χ^2/NDF: 914494.7/36



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -26.820+/-1.315 χ^2/NDF:32.5/1

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -6.452+/-1.835 χ^2/NDF:0.0/0

Left: -19.911+/-1.069 χ^2/NDF: 113.9/2

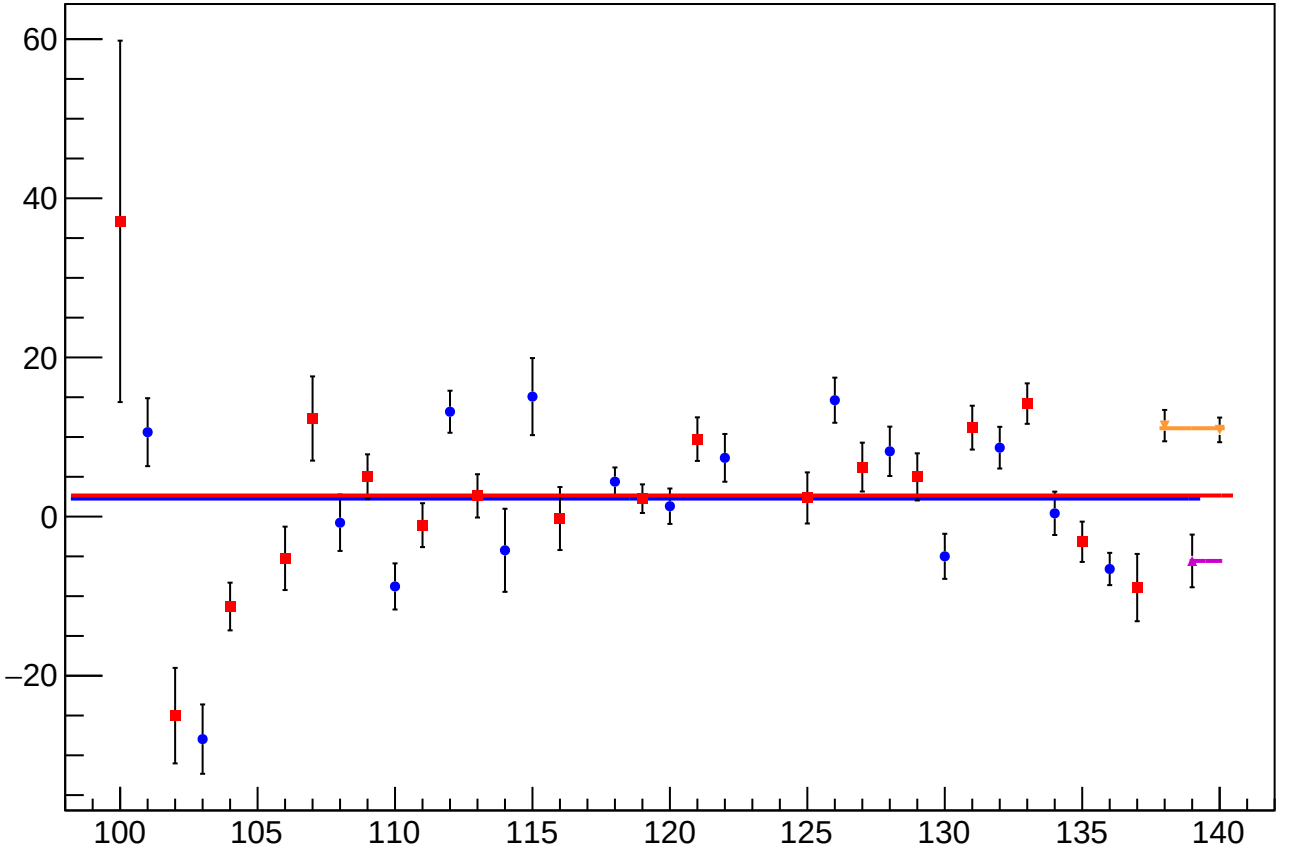
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 31.288+/-0.618 χ^2/NDF:1100.0/16

Out: 21.118+/-0.569 χ^2/NDF:2783.0/19

All: 25.779+/-0.418 χ^2/NDF: 4029.7/36

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 11.101+/-1.217 χ^2/NDF:0.0/1

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: -5.572+/-3.309 χ^2/NDF:0.0/0

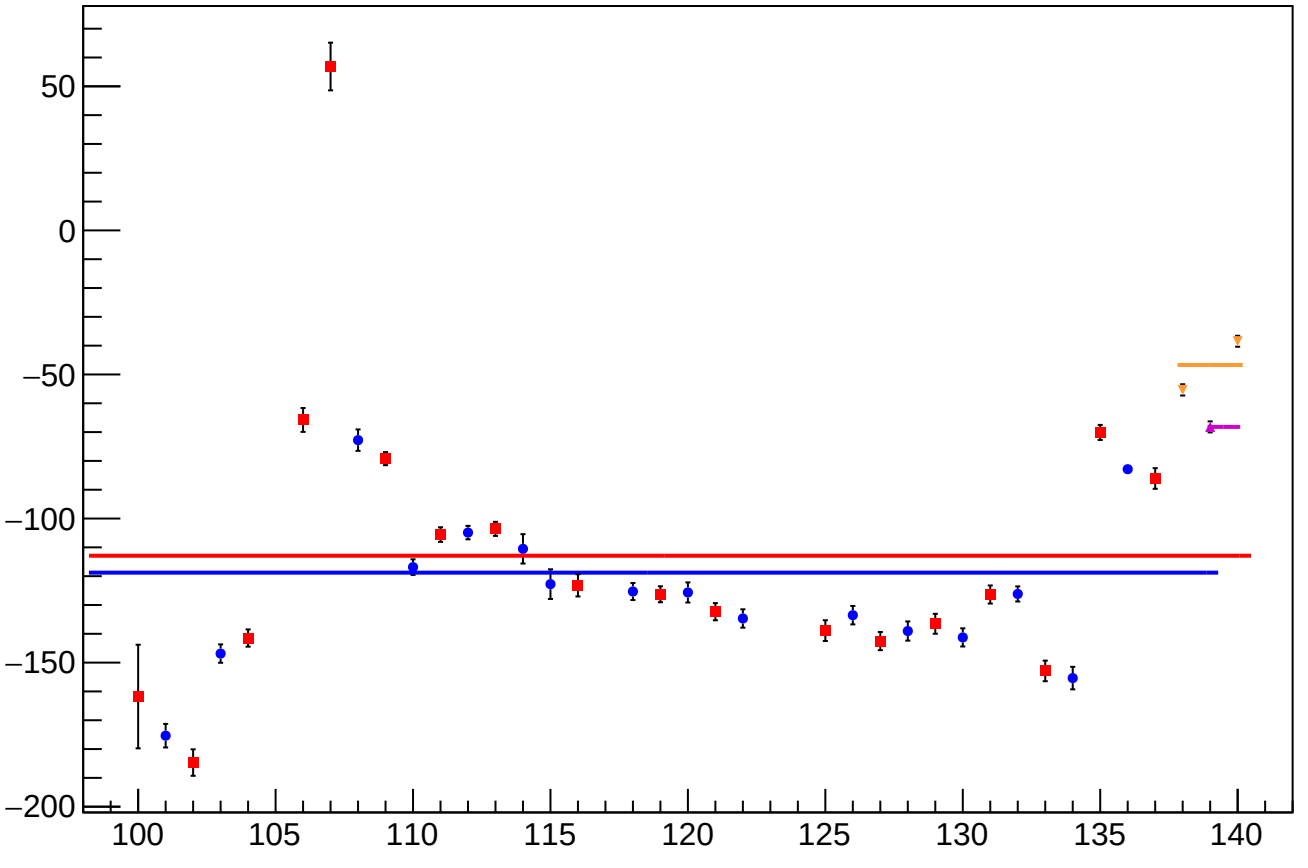
Left: 9.114+/-1.142 χ^2/NDF: 22.4/2

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 1.928+/-0.686 χ^2/NDF:157.4/16

Out: 4.820+/-0.617 χ^2/NDF:143.1/19

All: 3.528+/-0.459 χ^2/NDF: 310.3/36



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -46.711+/-1.362 χ^2/NDF:38.4/1

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -68.196+/-1.912 χ^2/NDF:0.0/0

Left: -53.943+/-1.109 χ^2/NDF: 122.1/2

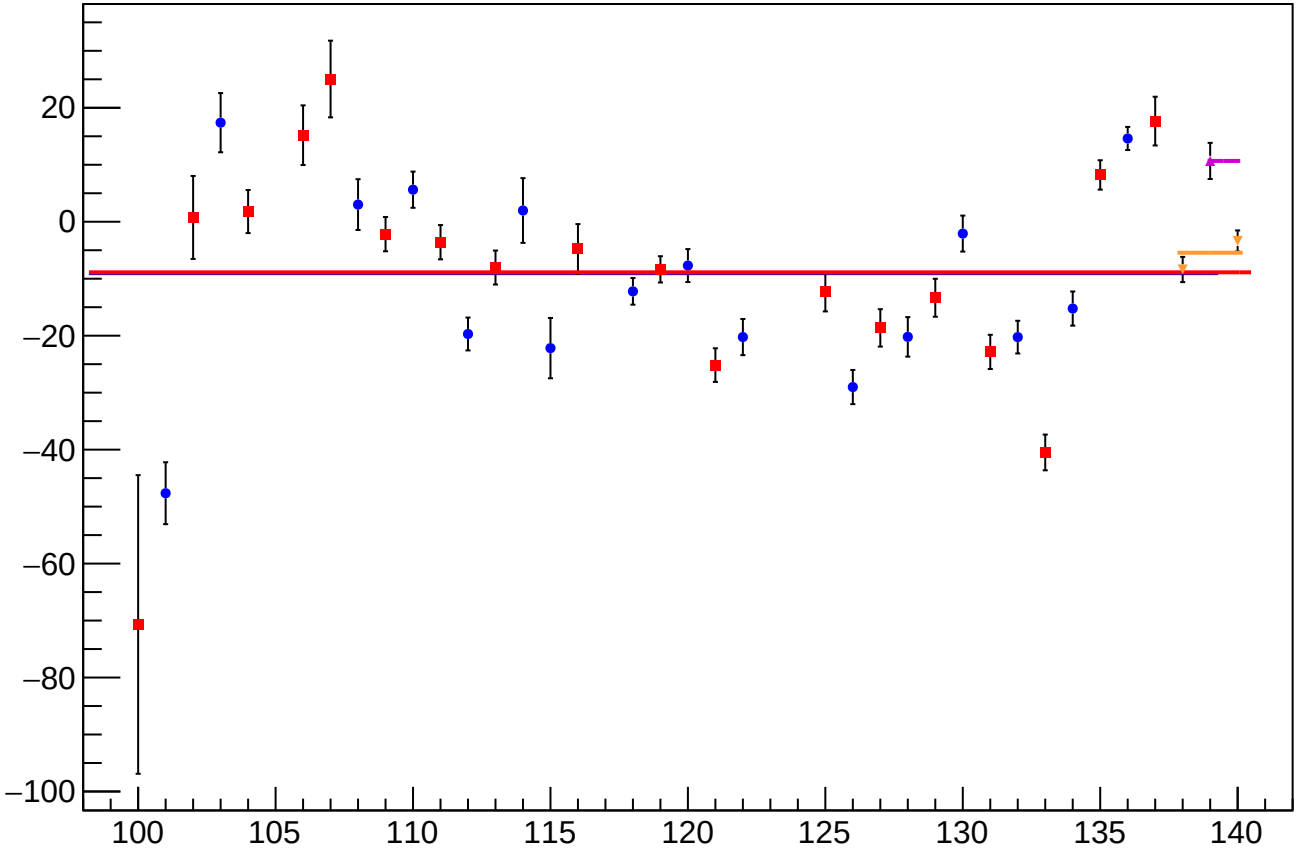
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -111.928+/-0.704 χ^2/NDF:1724.5/16

Out: -97.154+/-0.664 χ^2/NDF:3700.9/19

All: -104.116+/-0.483 χ^2/NDF: 5658.4/36

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: -5.439+/-1.421 χ^2/NDF:3.0/1

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 10.674+/-3.174 χ^2/NDF:0.0/0

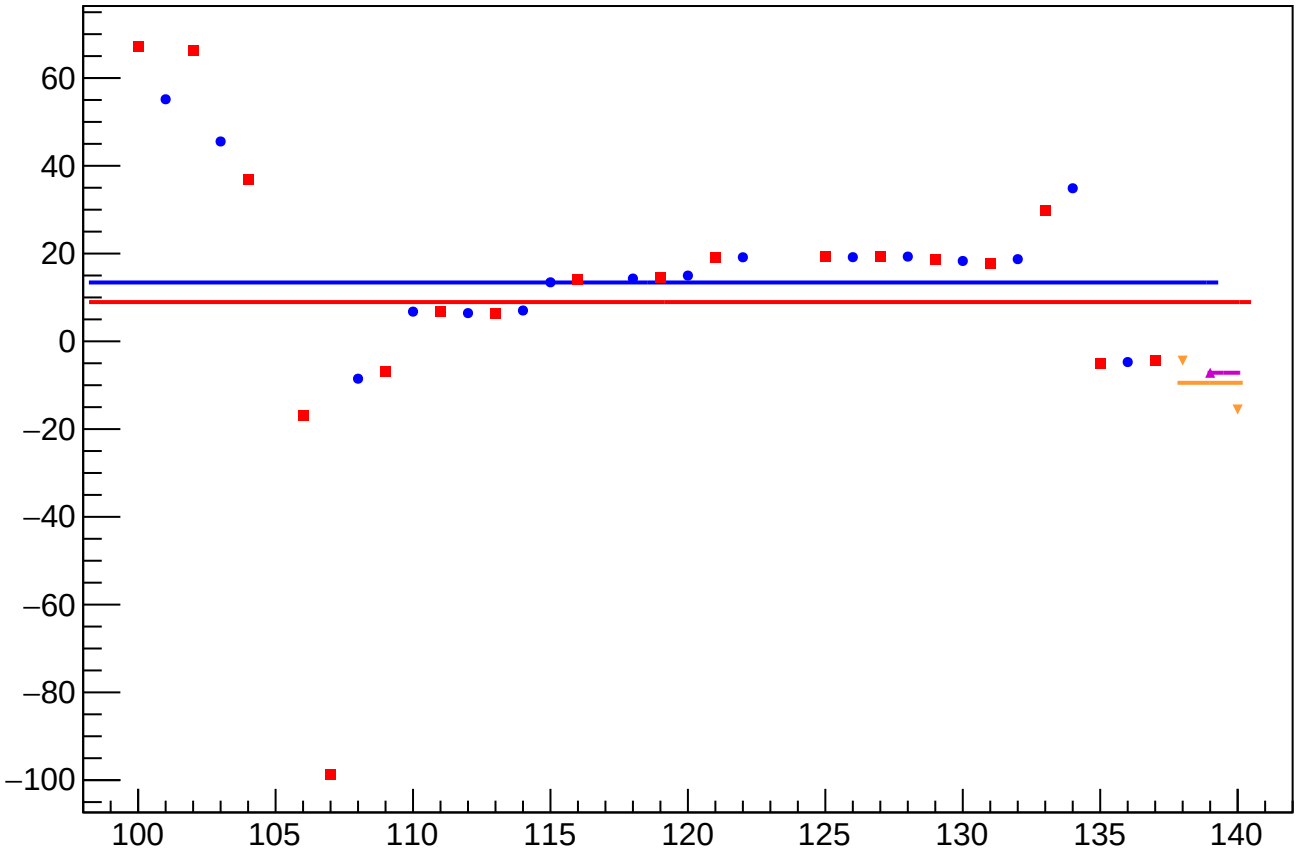
Left: -2.747+/-1.297 χ^2/NDF: 24.5/2

Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: -7.857+/-0.772 χ^2/NDF:394.2/16

Out: -8.034+/-0.704 χ^2/NDF:326.2/19

All: -7.953+/-0.520 χ^2/NDF: 720.4/36



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -9.450+/-0.057 χ^2/NDF:9545.5/1

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -7.160+/-0.068 χ^2/NDF:0.0/0

Left: -8.514+/-0.044 χ^2/NDF: 10211.7/2

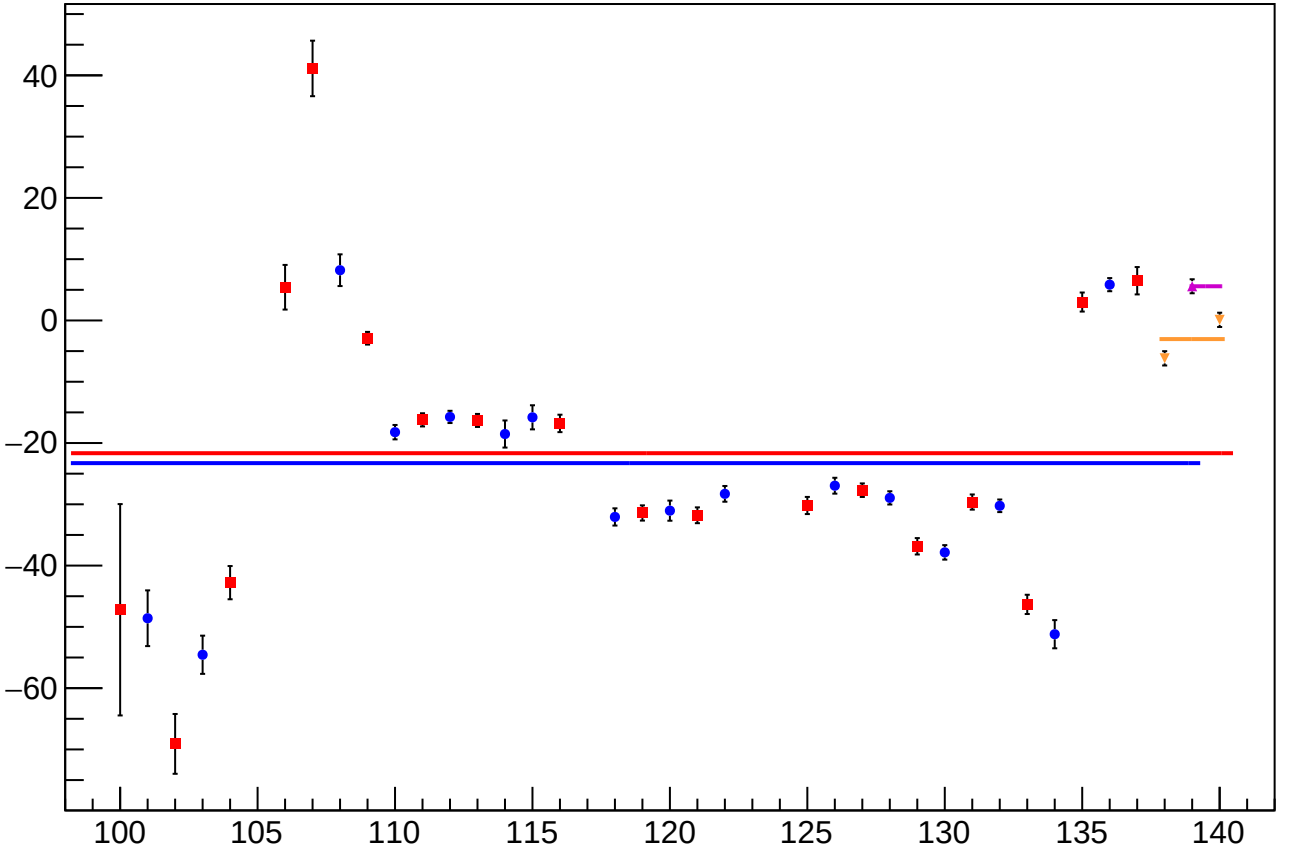
Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: 7.124+/-0.038 χ^2/NDF:246792.7/16

Out: 1.382+/-0.036 χ^2/NDF:362576.3/19

All: 4.148+/-0.026 χ^2/NDF: 621374.2/36

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -3.038+/-0.825 χ^2/NDF:14.5/1

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 5.582+/-1.144 χ^2/NDF:0.0/0

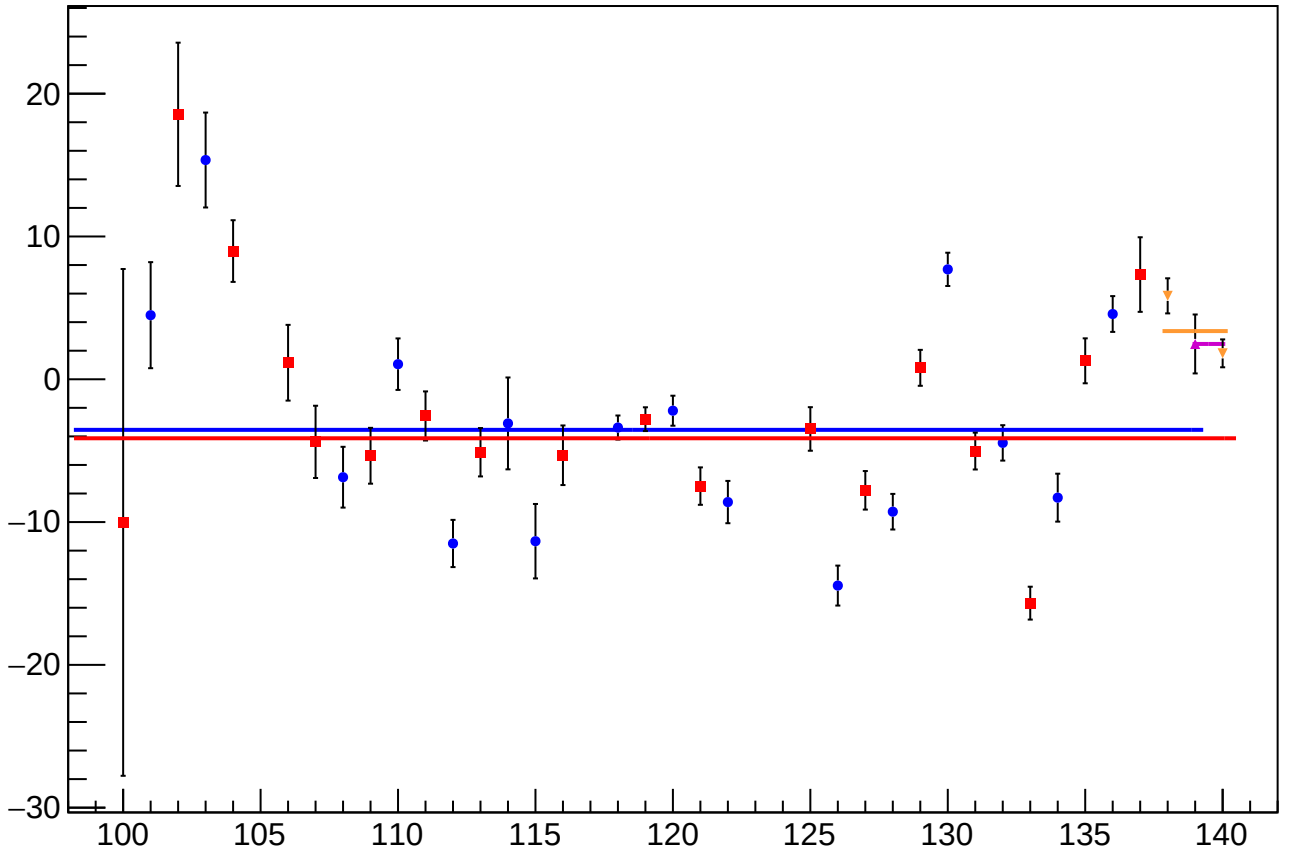
Left: -0.089+/-0.669 χ^2/NDF: 51.8/2

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -20.806+/-0.335 χ^2/NDF:2149.8/16

Out: -18.856+/-0.320 χ^2/NDF:2260.9/19

All: -19.787+/-0.231 χ^2/NDF: 4428.4/36



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 3.375+/-0.764 χ^2/NDF:6.6/1

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 2.473+/-2.064 χ^2/NDF:0.0/0

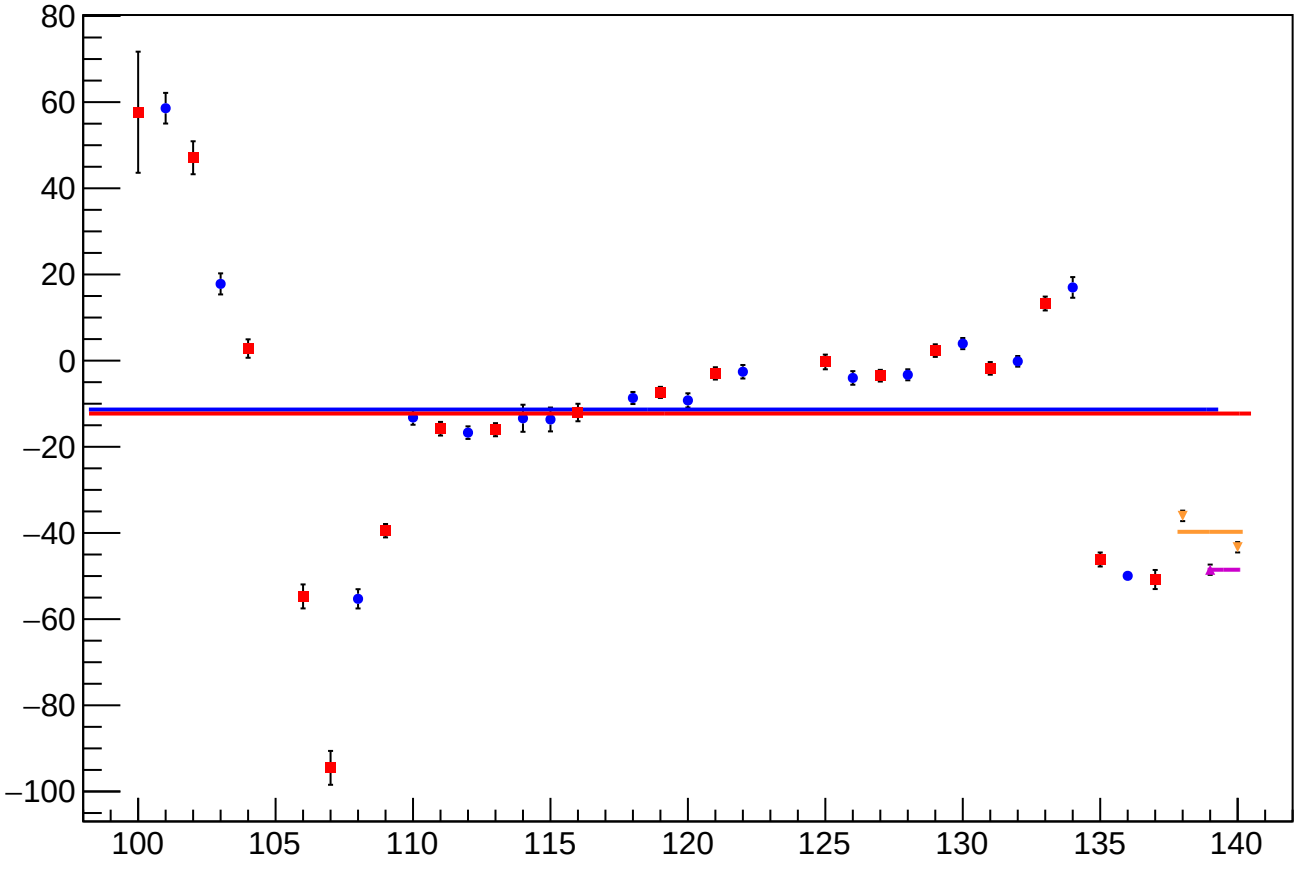
Left: 3.266+/-0.717 χ^2/NDF: 6.8/2

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -3.361+/-0.357 χ^2/NDF:325.0/16

Out: -2.703+/-0.334 χ^2/NDF:312.1/19

All: -3.010+/-0.244 χ^2/NDF: 638.9/36



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -39.731+/-0.855 χ^2/NDF:18.2/1

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -48.533+/-1.192 χ^2/NDF:0.0/0

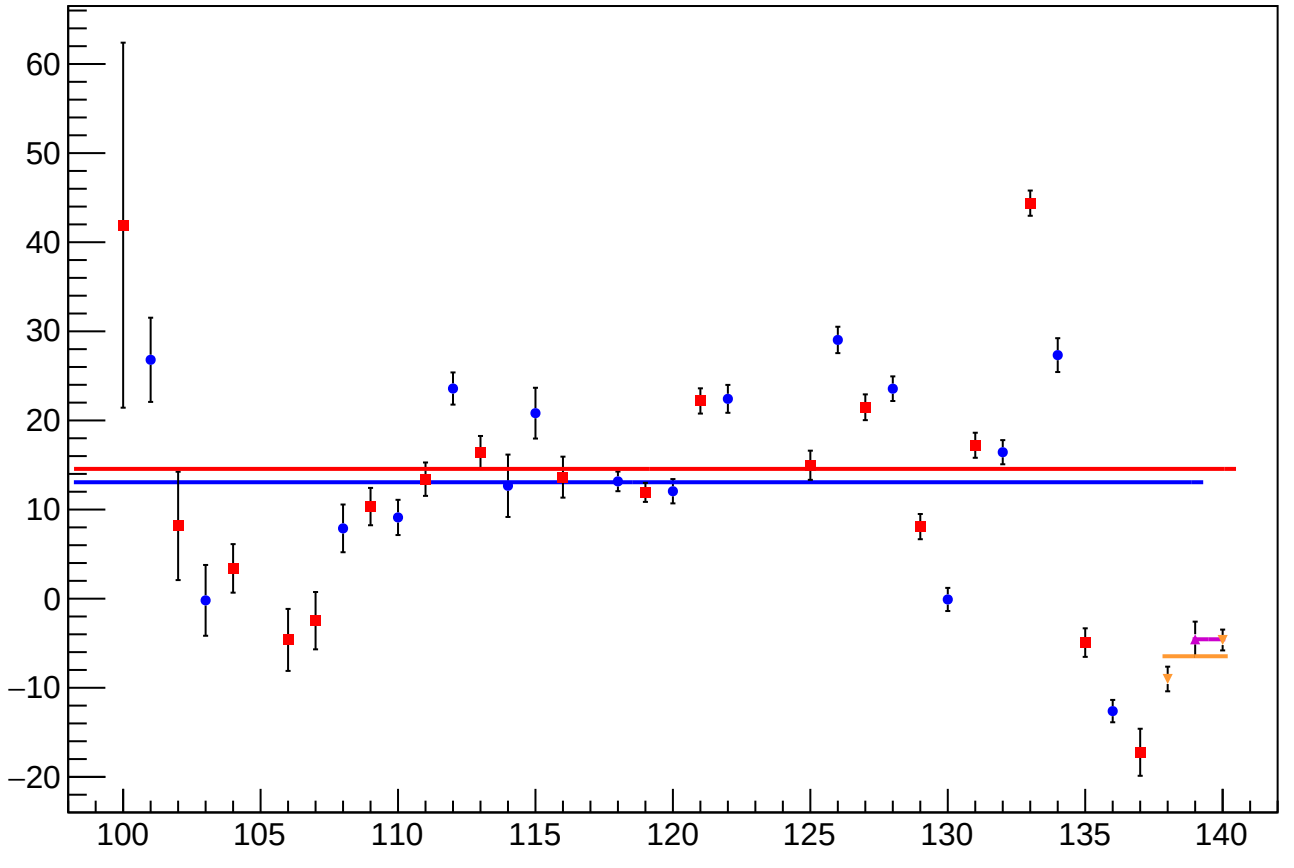
Left: -42.720+/-0.695 χ^2/NDF: 54.1/2

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -15.212+/-0.384 χ^2/NDF:3533.0/16

Out: -17.478+/-0.372 χ^2/NDF:3444.4/19

All: -16.381+/-0.267 χ^2/NDF: 6995.4/36



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -6.462+/-0.892 χ^2/NDF:5.8/1

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -4.557+/-1.979 χ^2/NDF:0.0/0

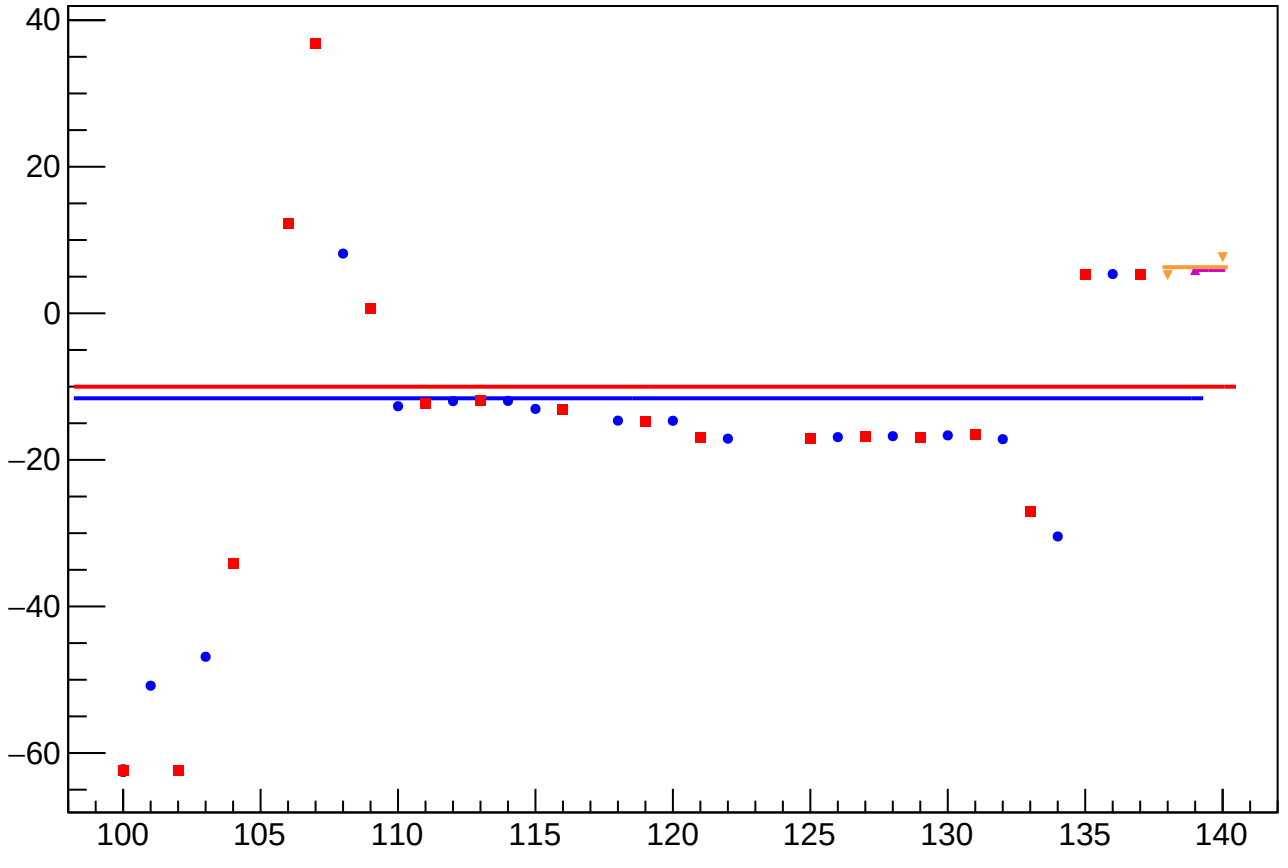
Left: -6.140+/-0.814 χ^2/NDF: 6.6/2

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 12.325+/-0.406 χ^2/NDF:939.3/16

Out: 10.714+/-0.382 χ^2/NDF:1362.4/19

All: 11.470+/-0.278 χ^2/NDF: 2310.1/36



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 6.294+/-0.036 χ^2/NDF:1184.1/1

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 5.915+/-0.043 χ^2/NDF:0.0/0

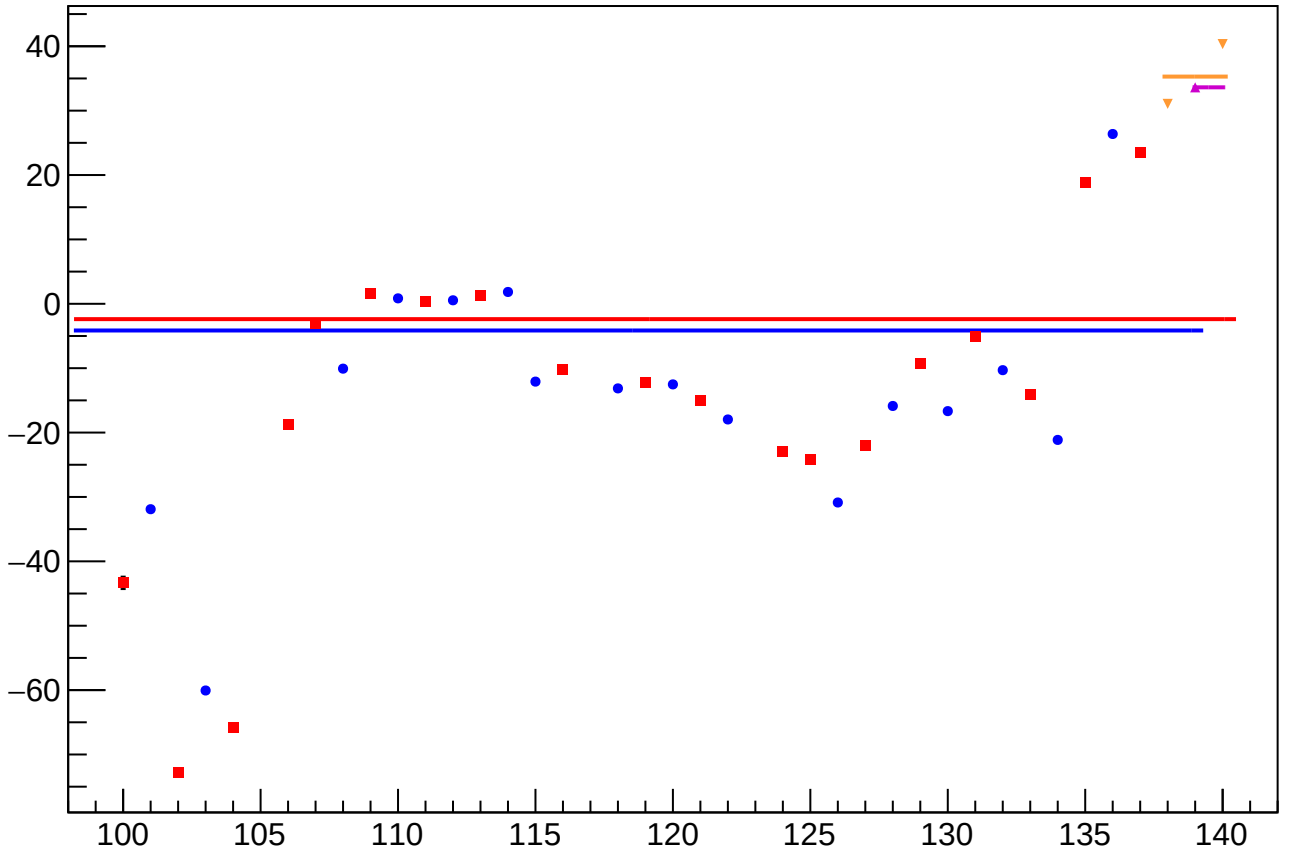
Left: 6.138+/-0.027 χ^2/NDF: 1230.9/2

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: -6.757+/-0.022 χ^2/NDF:482931.0/16

Out: -3.932+/-0.022 χ^2/NDF:529083.7/19

All: -5.303+/-0.016 χ^2/NDF: 1020212.7/36



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 35.290+/-0.149 χ^2/NDF:964.5/1

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 33.621+/-0.197 χ^2/NDF:0.0/0

Left: 34.682+/-0.119 χ^2/NDF: 1010.2/2

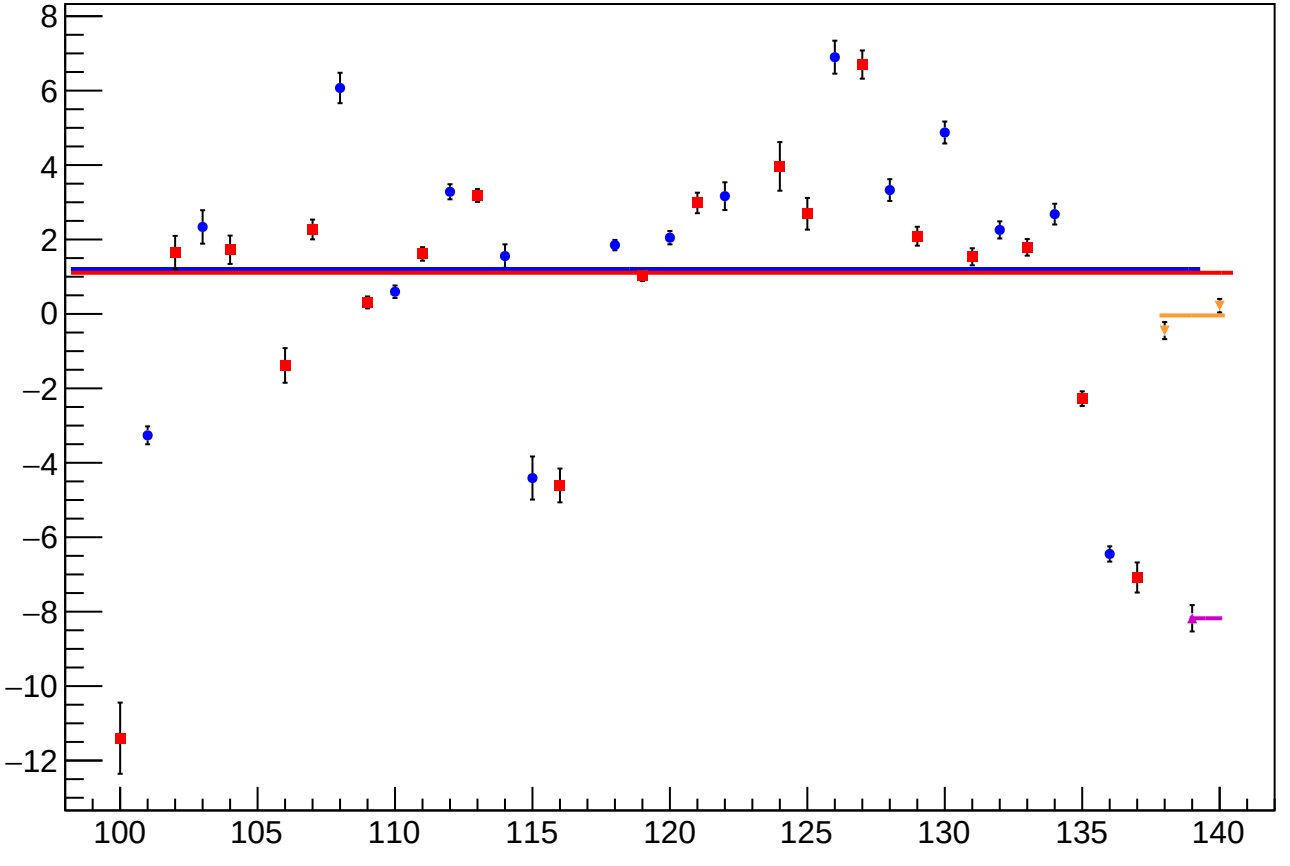
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: -1.437+/-0.053 χ^2/NDF:109469.0/16

Out: 0.917+/-0.044 χ^2/NDF:140091.9/20

All: -0.052+/-0.034 χ^2/NDF: 250735.1/37

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -0.041+/-0.143 χ^2/NDF:5.2/1

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -8.178+/-0.353 χ^2/NDF:0.0/0

Left: -1.188+/-0.133 χ^2/NDF: 460.4/2

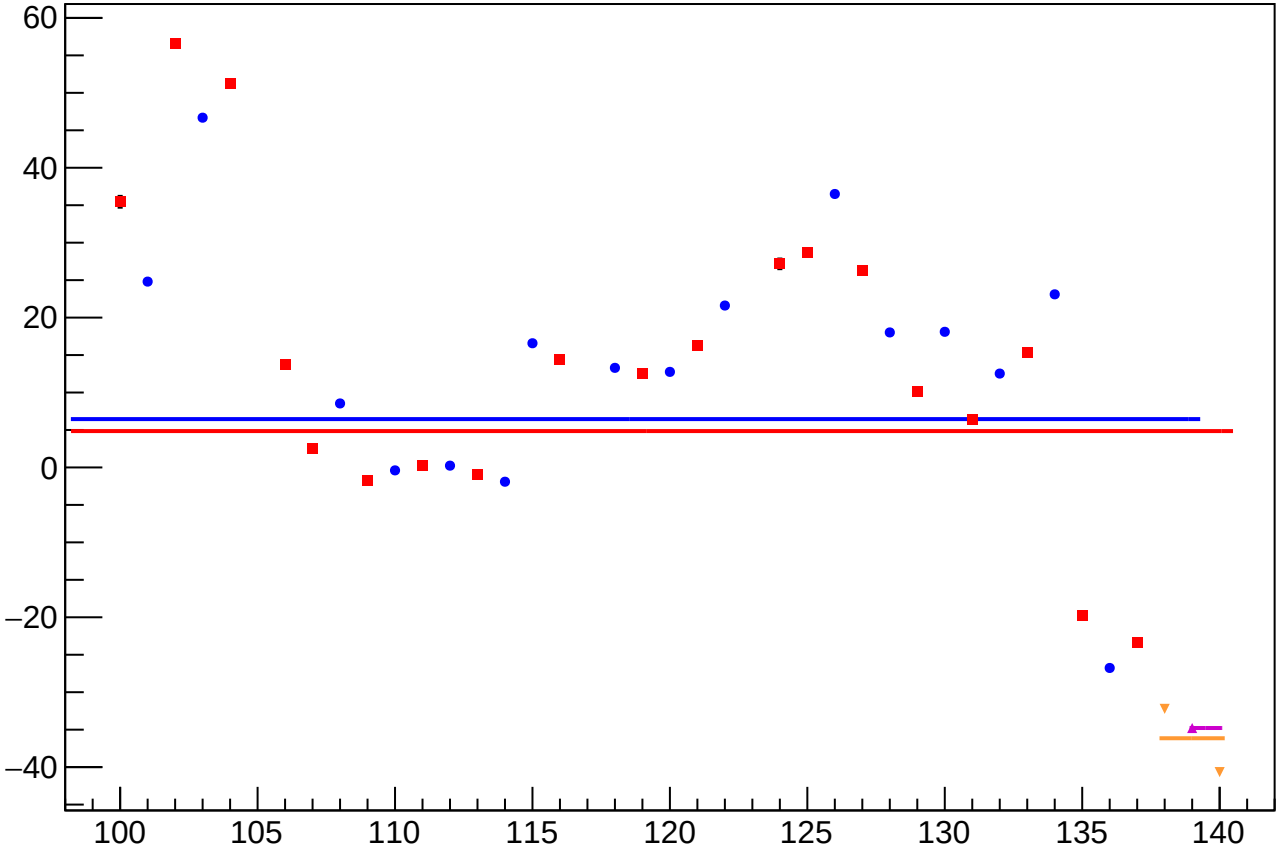
Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.940+/-0.060 χ^2/NDF:3269.2/16

Out: 0.948+/-0.053 χ^2/NDF:1647.6/20

All: 0.944+/-0.040 χ^2/NDF: 4916.9/37

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -36.146+/-0.155 χ^2/NDF:742.1/1

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -34.779+/-0.205 χ^2/NDF:0.0/0

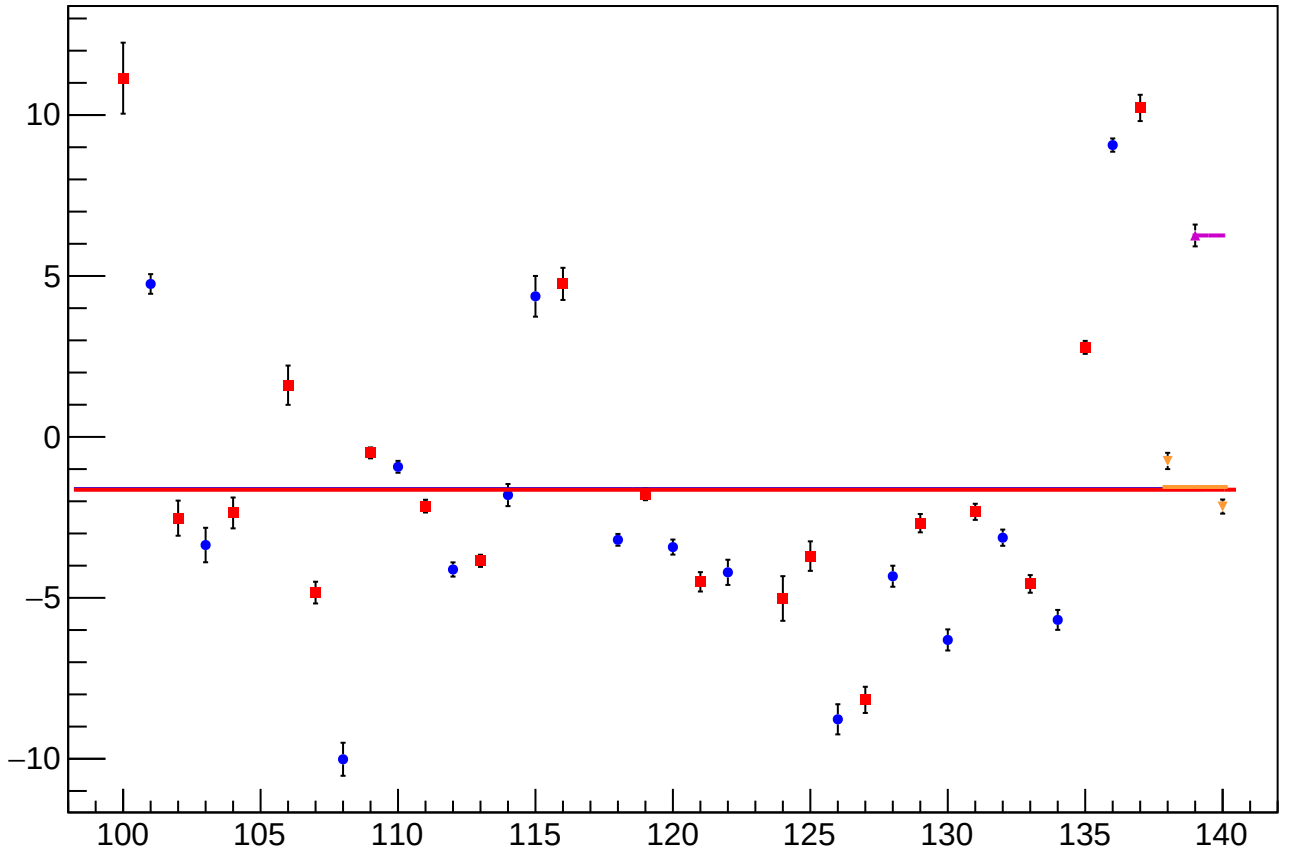
Left: -35.651+/-0.123 χ^2/NDF: 770.5/2

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: 2.664+/-0.062 χ^2/NDF:107407.0/16

Out: -0.387+/-0.055 χ^2/NDF:137415.3/20

All: 0.960+/-0.041 χ^2/NDF: 246168.9/37



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.556+/-0.166 χ^2/NDF:17.9/1

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 6.259+/-0.339 χ^2/NDF:0.0/0

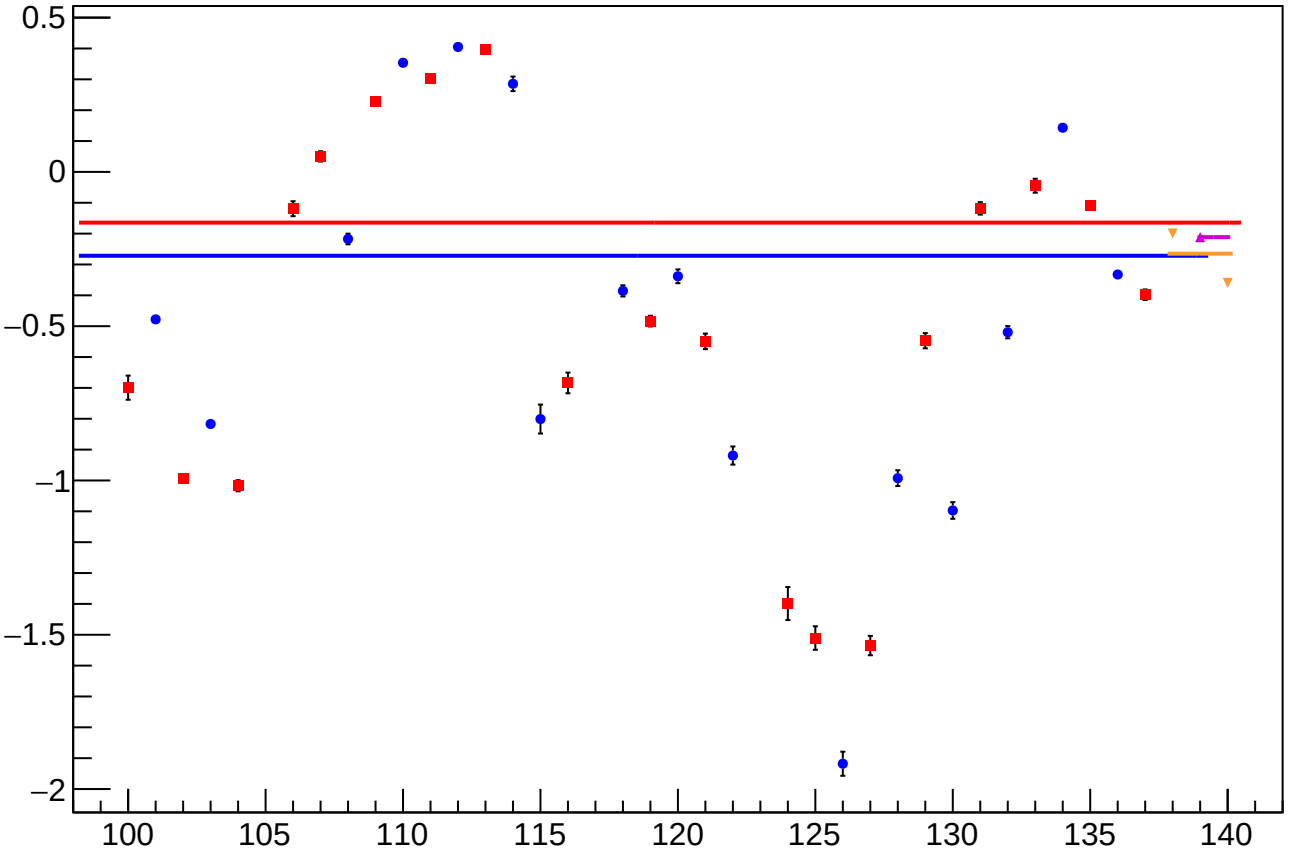
Left: -0.052+/-0.149 χ^2/NDF: 446.6/2

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.303+/-0.068 χ^2/NDF:5043.3/16

Out: -1.629+/-0.060 χ^2/NDF:2480.3/20

All: -1.486+/-0.045 χ^2/NDF: 7536.4/37



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.265+/-0.006 χ^2/NDF:156.2/1

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.211+/-0.007 χ^2/NDF:0.0/0

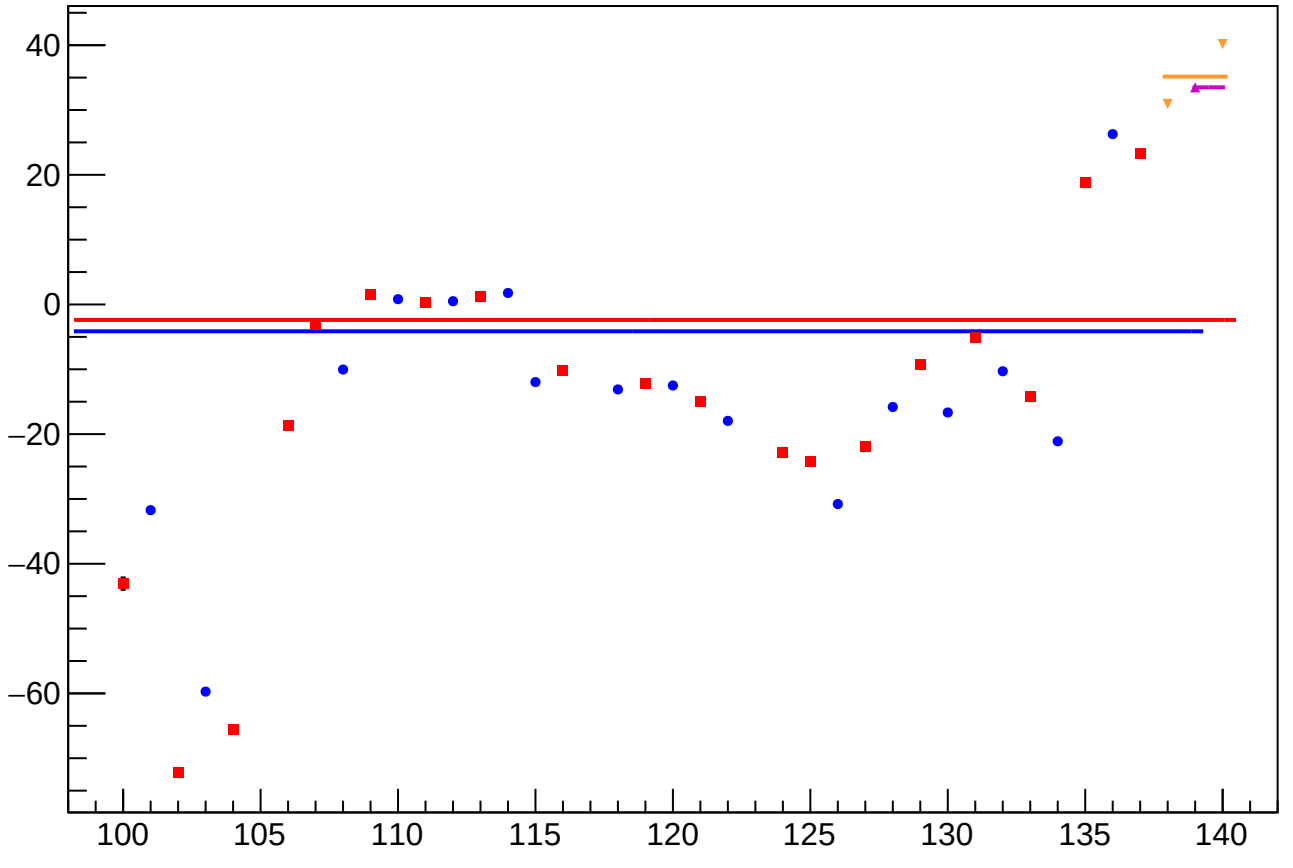
Left: -0.242+/-0.005 χ^2/NDF: 187.2/2

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.257+/-0.004 χ^2/NDF:12099.9/16

Out: -0.191+/-0.003 χ^2/NDF:15841.0/20

All: -0.221+/-0.002 χ^2/NDF: 28123.9/37



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 35.153+/-0.148 χ^2/NDF:959.1/1

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 33.496+/-0.196 χ^2/NDF:0.0/0

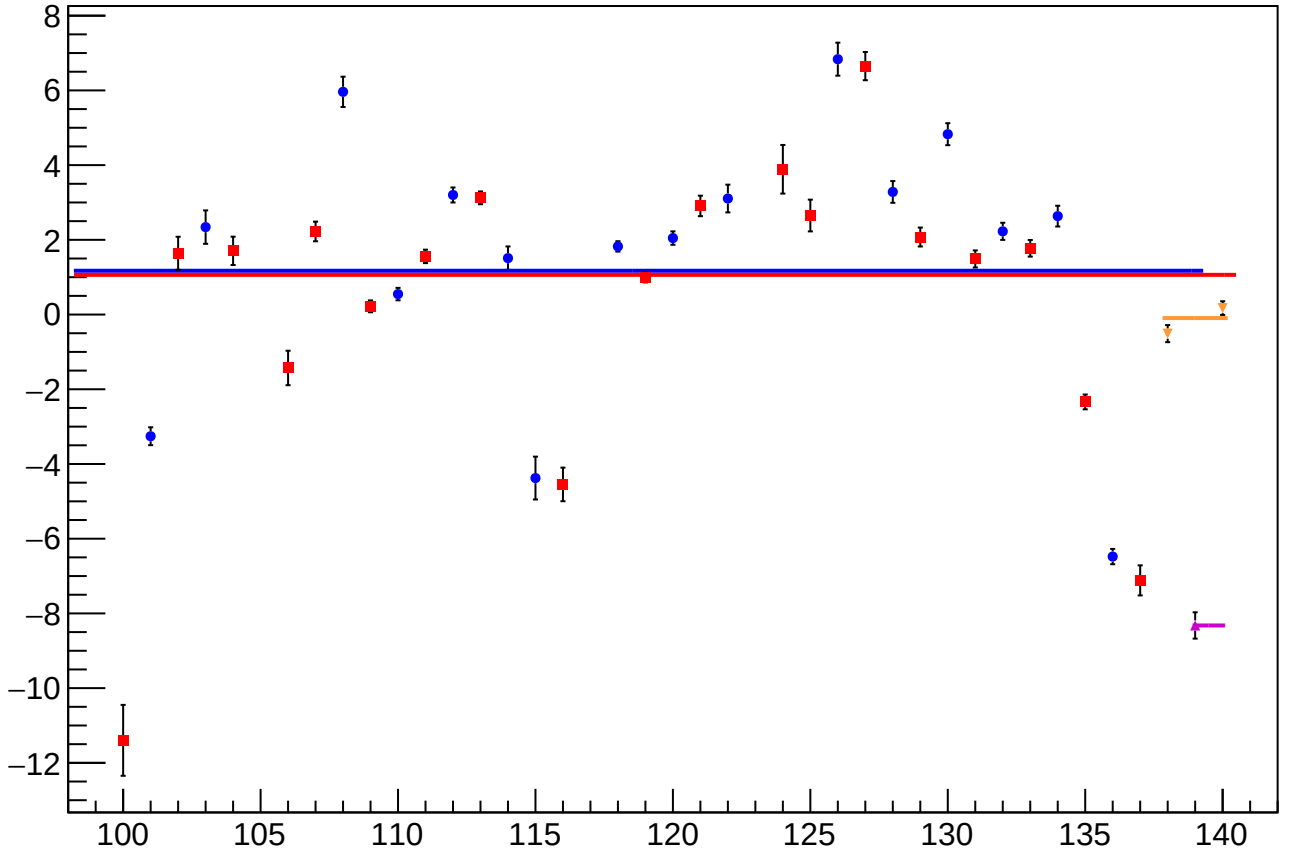
Left: 34.549+/-0.118 χ^2/NDF: 1004.5/2

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: -1.456+/-0.052 χ^2/NDF:109428.7/16

Out: 0.886+/-0.044 χ^2/NDF:139968.6/20

All: -0.078+/-0.034 χ^2/NDF: 250574.3/37



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -0.094+/-0.143 χ^2/NDF:5.5/1

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: -8.323+/-0.352 χ^2/NDF:0.0/0

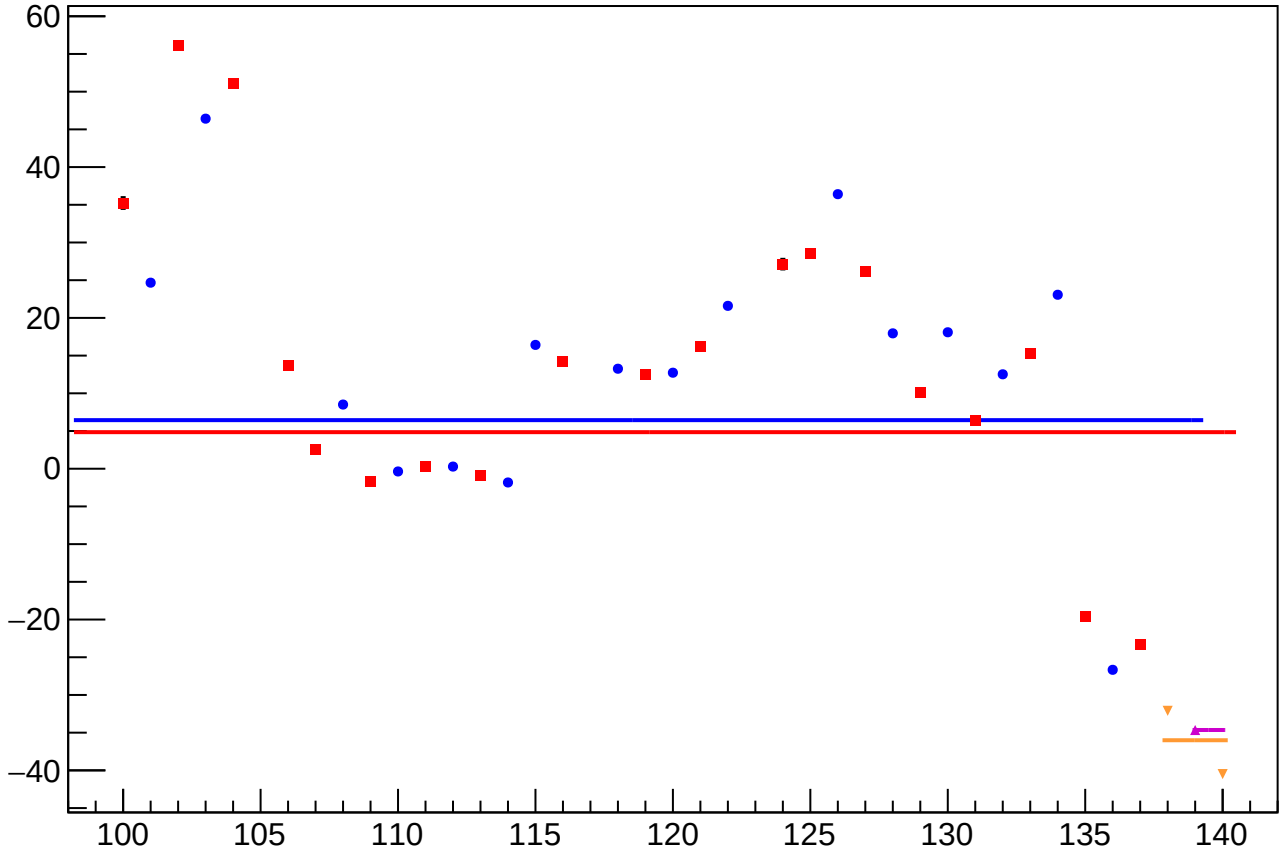
Left: -1.254+/-0.132 χ^2/NDF: 473.8/2

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.904+/-0.059 χ^2/NDF:3289.9/16

Out: 0.904+/-0.053 χ^2/NDF:1658.6/20

All: 0.904+/-0.039 χ^2/NDF: 4948.5/37



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -36.005+/-0.154 χ^2/NDF:738.0/1

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -34.647+/-0.204 χ^2/NDF:0.0/0

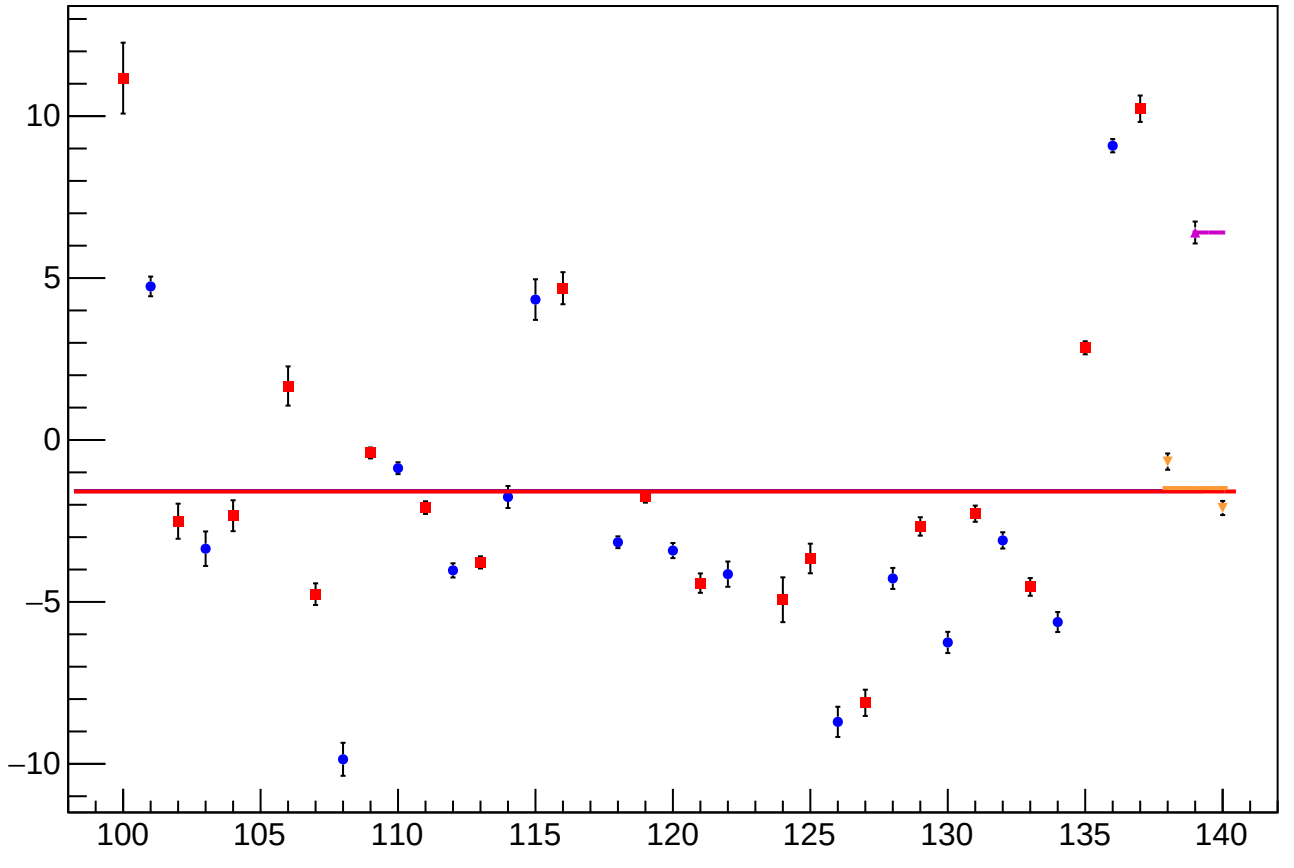
Left: -35.513+/-0.123 χ^2/NDF: 766.2/2

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: 2.683+/-0.062 χ^2/NDF:107347.4/16

Out: -0.351+/-0.055 χ^2/NDF:137283.5/20

All: 0.989+/-0.041 χ^2/NDF: 245976.6/37



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.485+/-0.165 χ^2/NDF:18.4/1

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: 6.406+/-0.338 χ^2/NDF:0.0/0

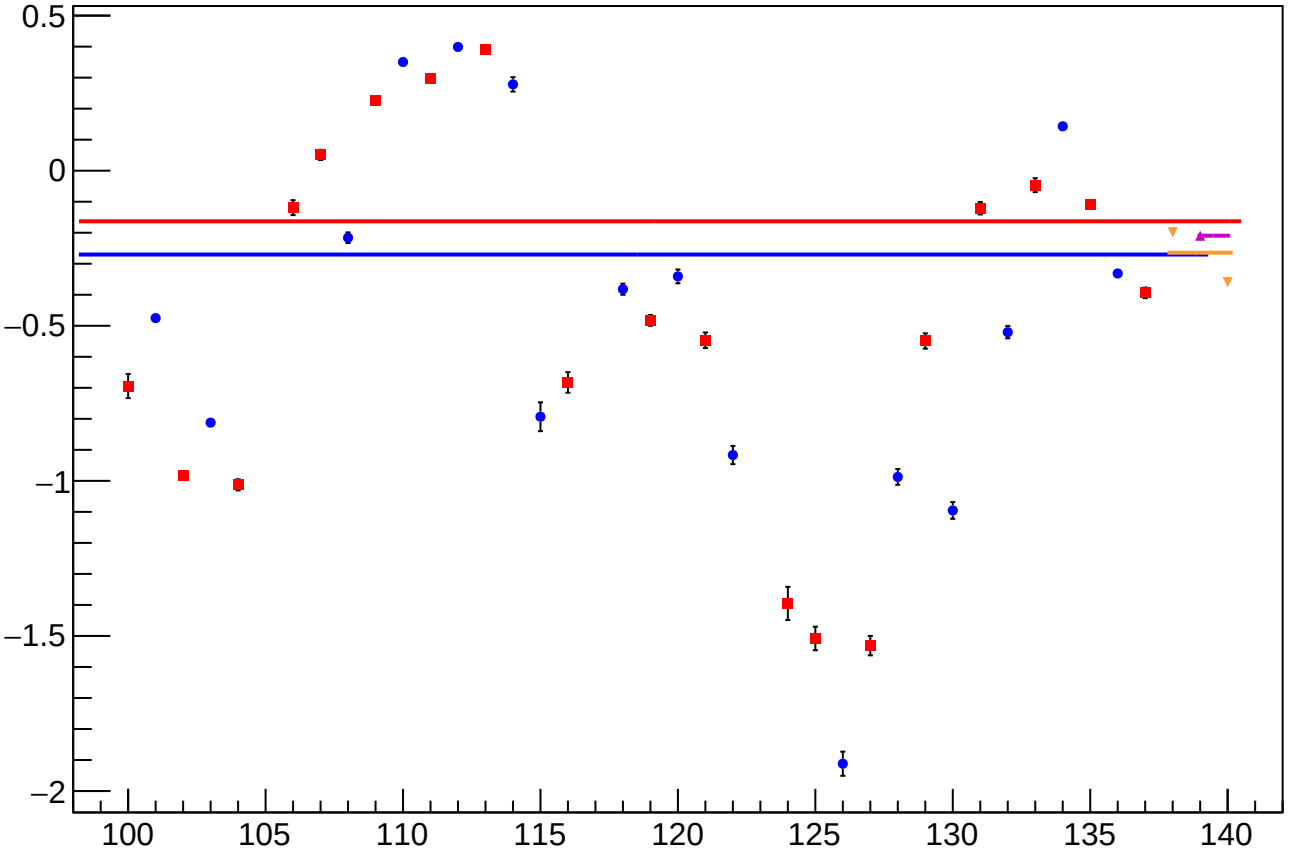
Left: 0.033+/-0.148 χ^2/NDF: 458.2/2

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.259+/-0.068 χ^2/NDF:5059.6/16

Out: -1.576+/-0.060 χ^2/NDF:2491.0/20

All: -1.437+/-0.045 χ^2/NDF: 7562.8/37



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.264+/-0.006 χ^2/NDF:158.7/1

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.210+/-0.007 χ^2/NDF:0.0/0

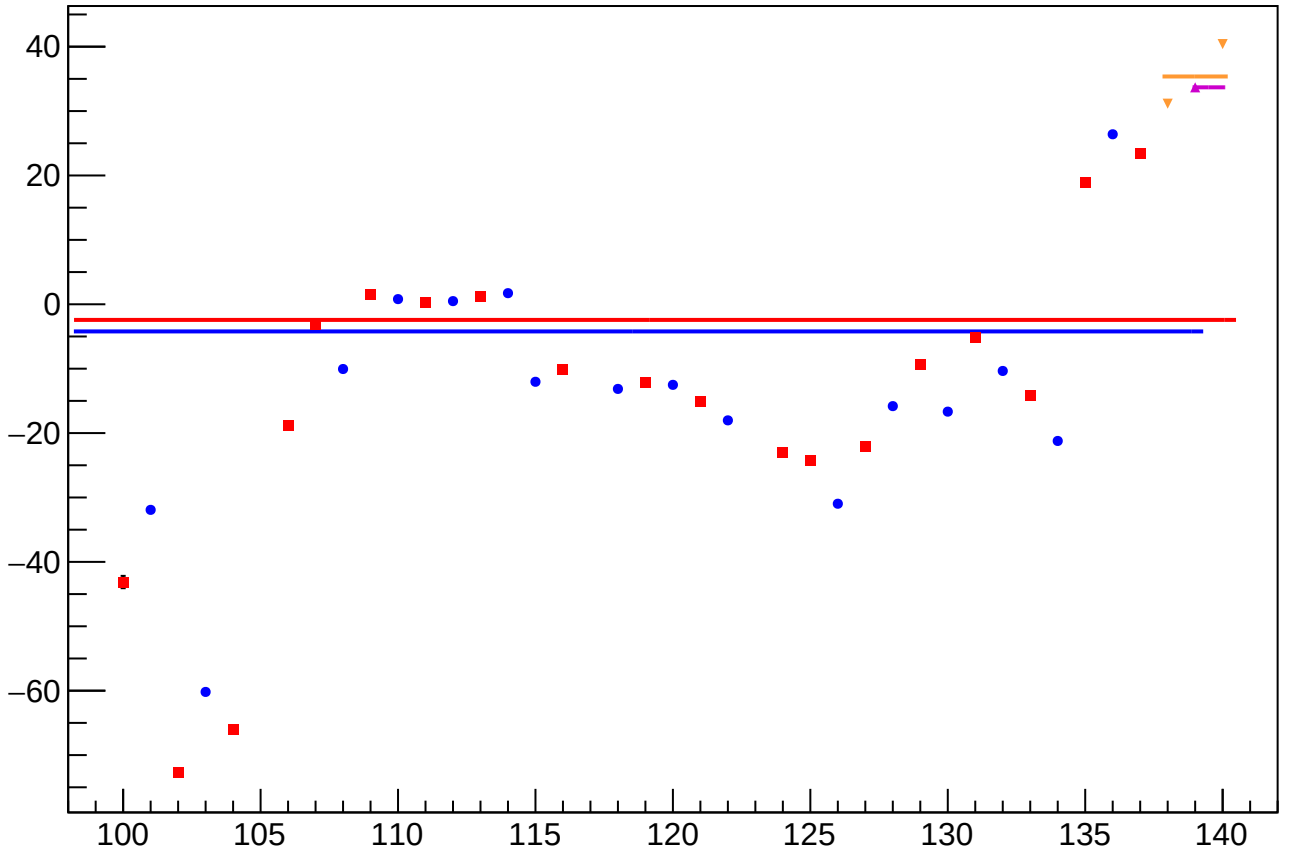
Left: -0.241+/-0.005 χ^2/NDF: 191.3/2

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.255+/-0.004 χ^2/NDF:12089.1/16

Out: -0.190+/-0.003 χ^2/NDF:15859.8/20

All: -0.219+/-0.002 χ^2/NDF: 28131.3/37



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 35.370+/-0.149 χ^2/NDF:954.3/1

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 33.687+/-0.197 χ^2/NDF:0.0/0

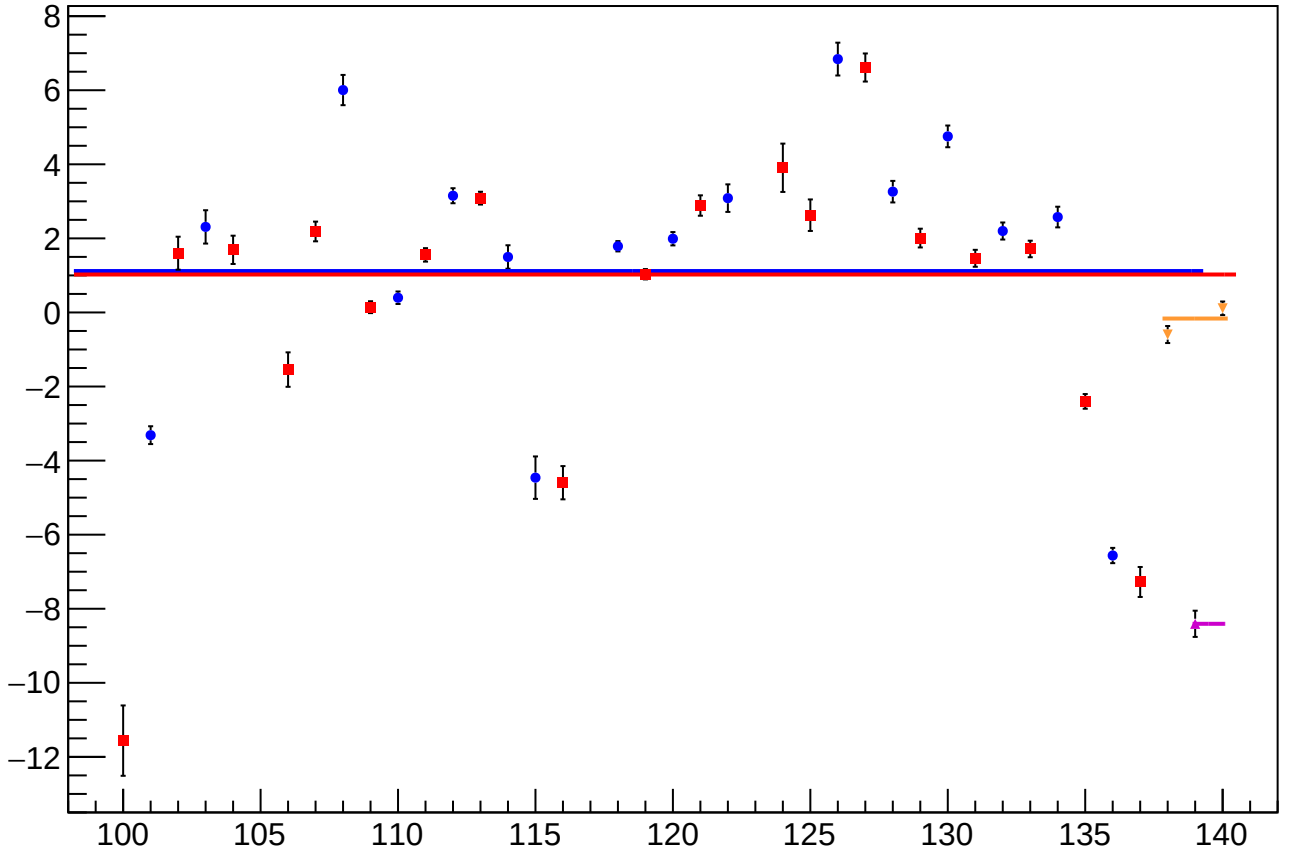
Left: 34.757+/-0.119 χ^2/NDF: 1000.7/2

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: -1.502+/-0.053 χ^2/NDF:109558.3/16

Out: 0.876+/-0.044 χ^2/NDF:140228.1/20

All: -0.104+/-0.034 χ^2/NDF: 250983.5/37



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -0.164+/-0.143 χ^2/NDF:5.8/1

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: -8.407+/-0.354 χ^2/NDF:0.0/0

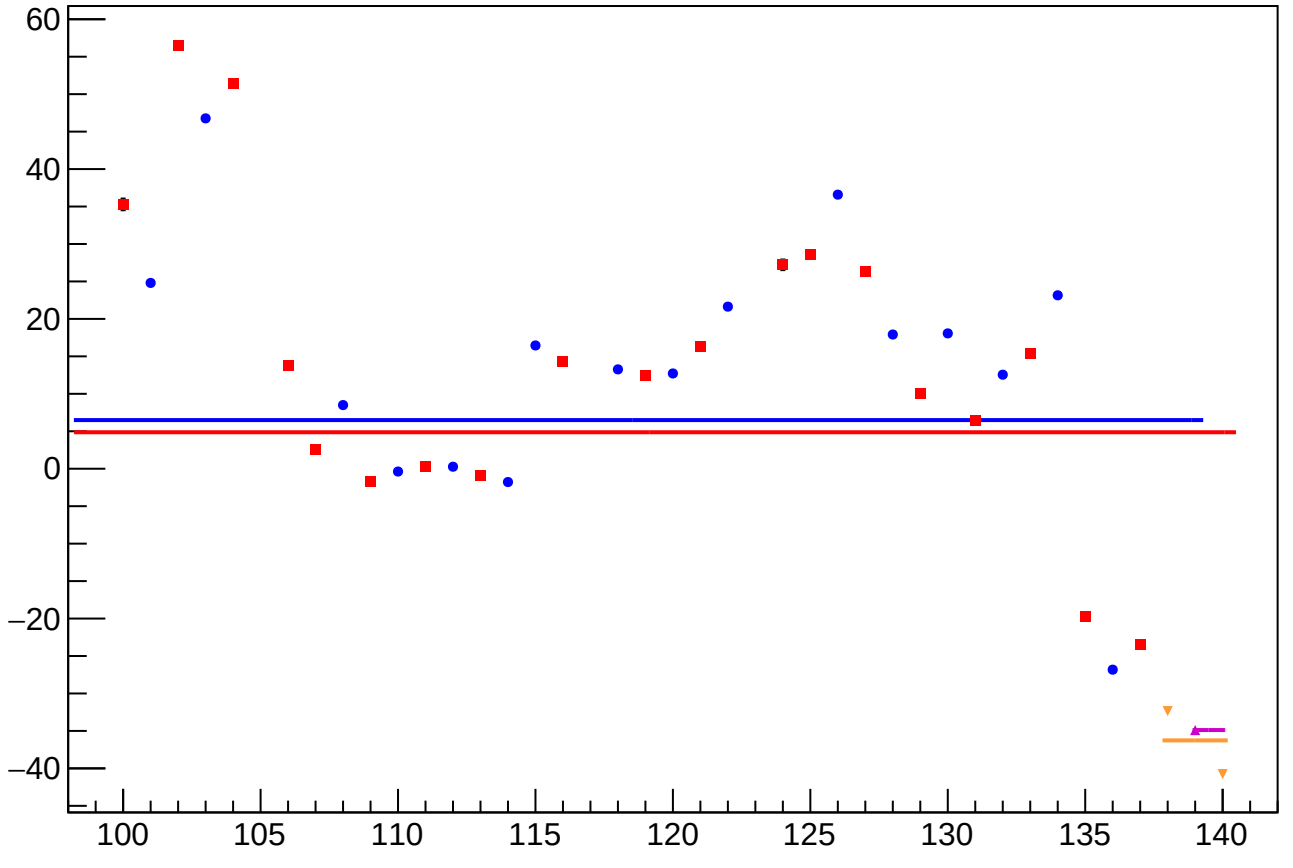
Left: -1.327+/-0.133 χ^2/NDF: 471.4/2

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.849+/-0.060 χ^2/NDF:3295.0/16

Out: 0.861+/-0.053 χ^2/NDF:1677.0/20

All: 0.856+/-0.040 χ^2/NDF: 4972.1/37



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -36.263+/-0.155 χ^2/NDF:733.6/1

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -34.883+/-0.205 χ^2/NDF:0.0/0

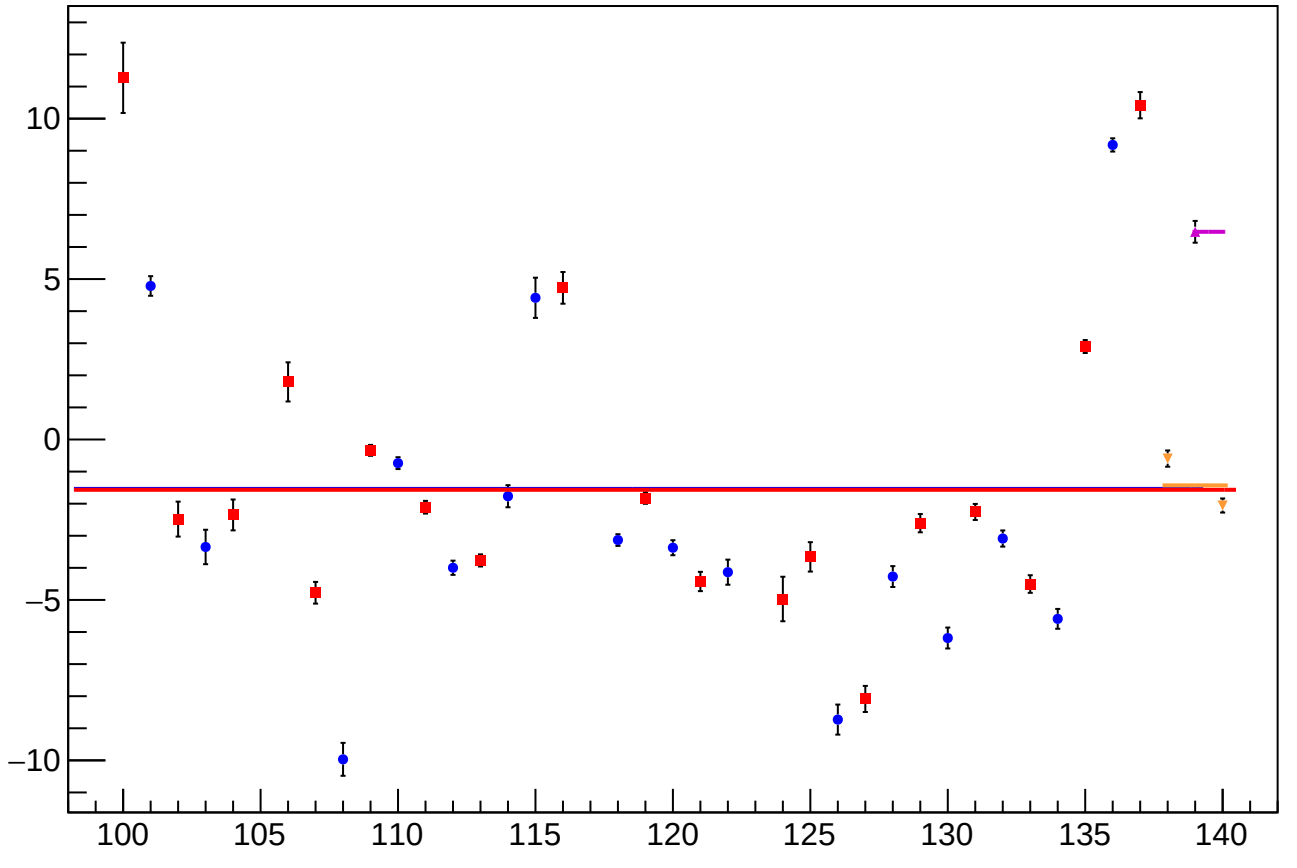
Left: -35.763+/-0.124 χ^2/NDF: 762.4/2

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: 2.700+/-0.062 χ^2/NDF:107501.8/16

Out: -0.377+/-0.055 χ^2/NDF:137578.1/20

All: 0.982+/-0.041 χ^2/NDF: 246448.4/37



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.430+/-0.166 χ^2/NDF:19.0/1

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: 6.473+/-0.340 χ^2/NDF:0.0/0

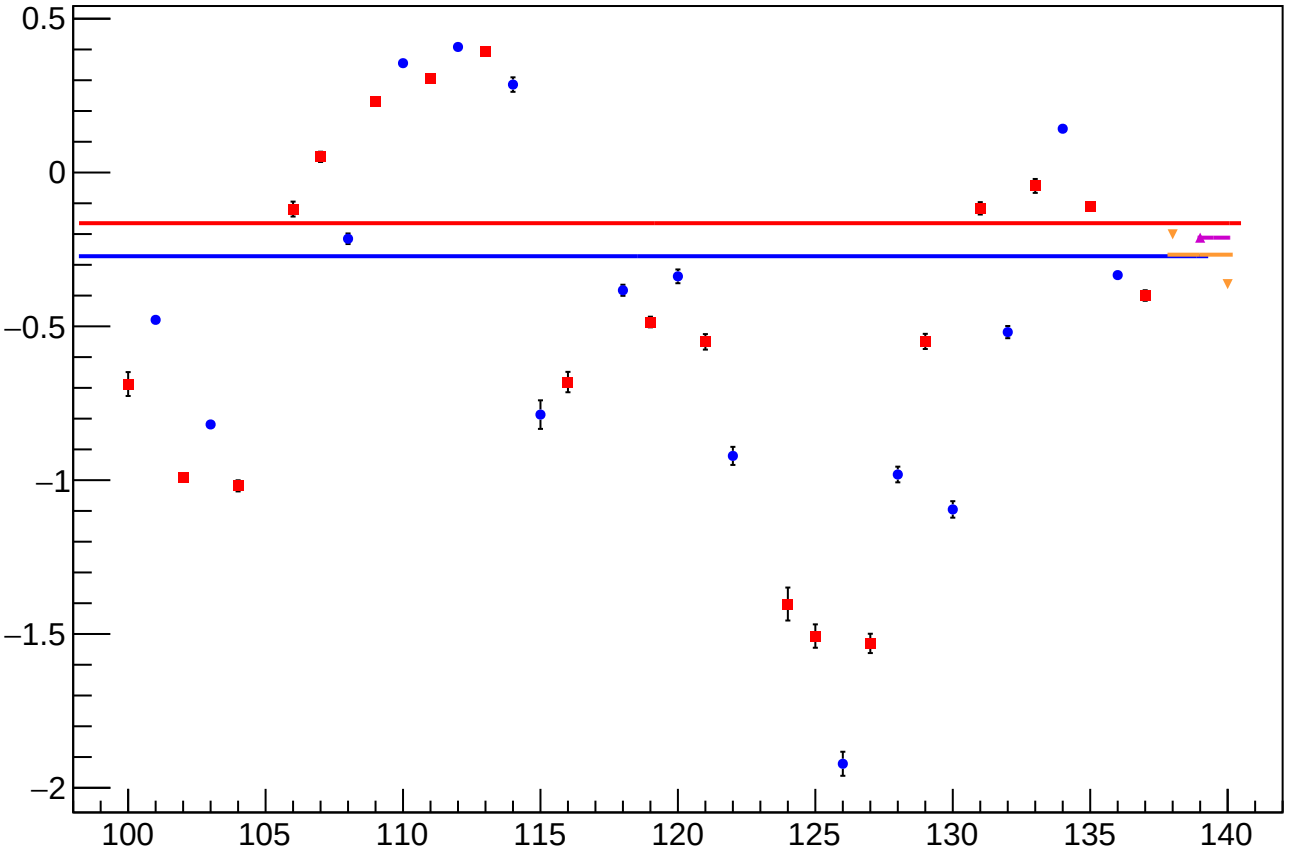
Left: 0.092+/-0.149 χ^2/NDF: 456.0/2

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.217+/-0.068 χ^2/NDF:5069.9/16

Out: -1.549+/-0.060 χ^2/NDF:2516.6/20

All: -1.404+/-0.045 χ^2/NDF: 7599.8/37



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.267+/-0.006 χ^2/NDF:159.4/1

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.212+/-0.007 χ^2/NDF:0.0/0

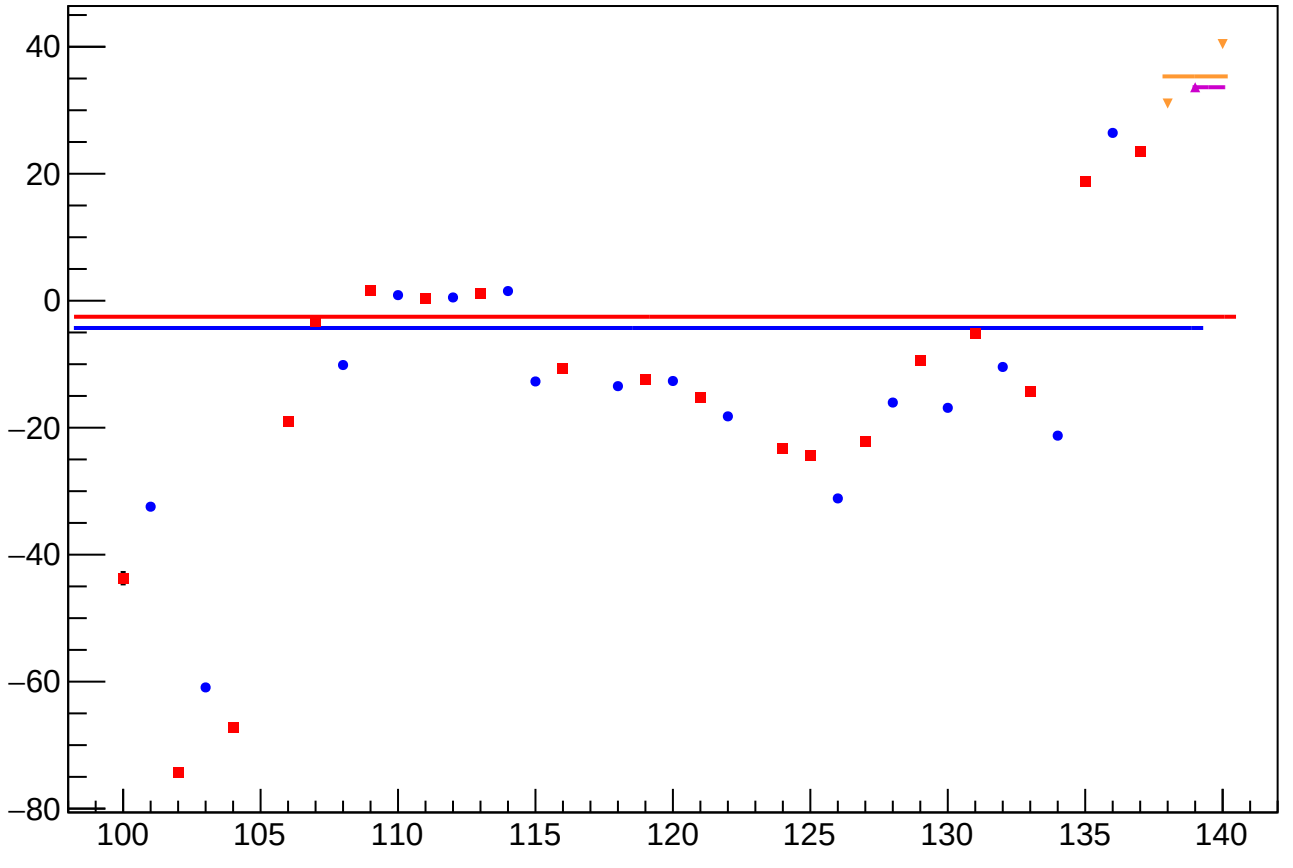
Left: -0.243+/-0.005 χ^2/NDF: 192.3/2

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.257+/-0.004 χ^2/NDF:12115.2/16

Out: -0.192+/-0.003 χ^2/NDF:15843.1/20

All: -0.221+/-0.002 χ^2/NDF: 28138.7/37



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 35.332+/-0.151 χ^2/NDF:960.3/1

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 33.627+/-0.199 χ^2/NDF:0.0/0

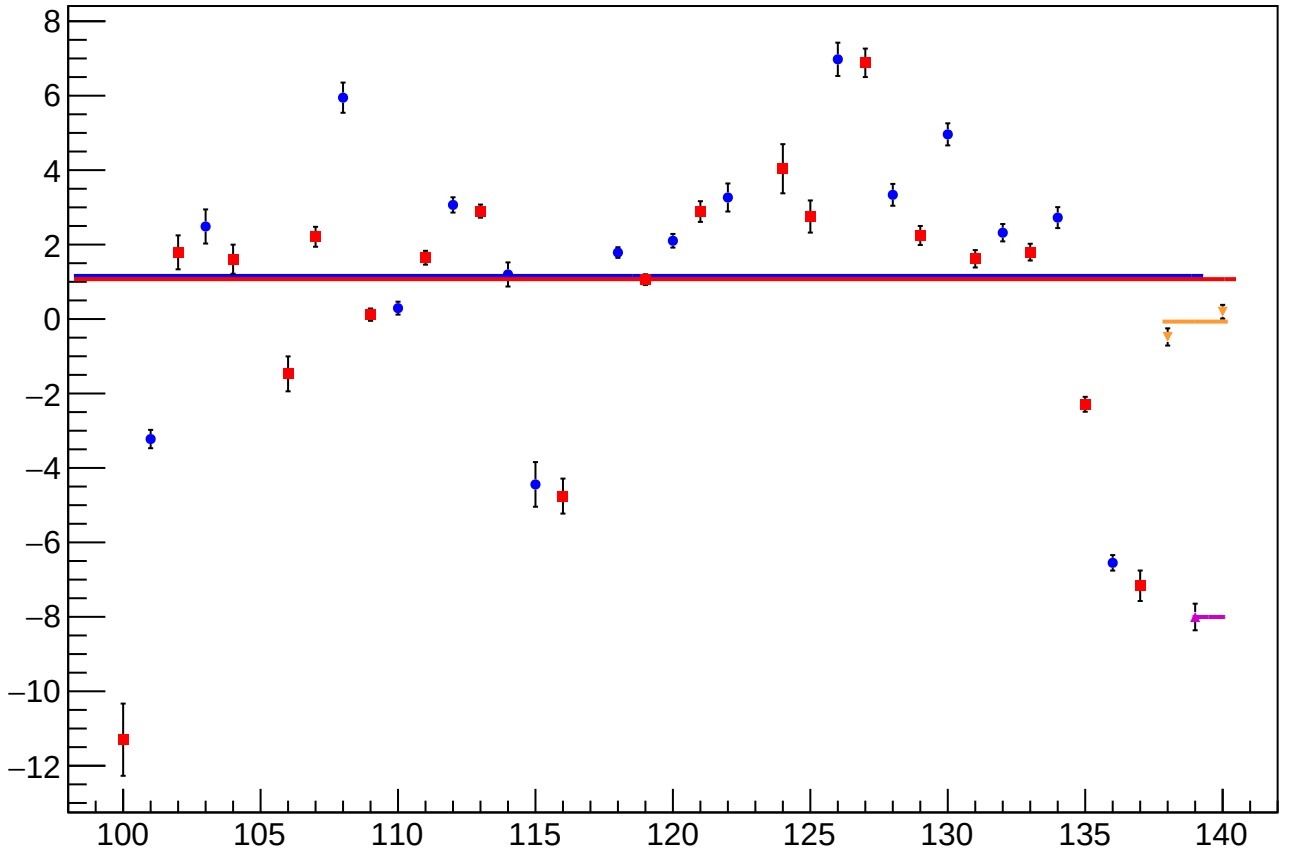
Left: 34.712+/-0.120 χ^2/NDF: 1007.0/2

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: -1.538+/-0.054 χ^2/NDF:107889.8/16

Out: 0.869+/-0.045 χ^2/NDF:138435.3/20

All: -0.126+/-0.035 χ^2/NDF: 247504.4/37



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -0.069+/-0.145 χ^2/NDF:5.2/1

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -8.004+/-0.358 χ^2/NDF:0.0/0

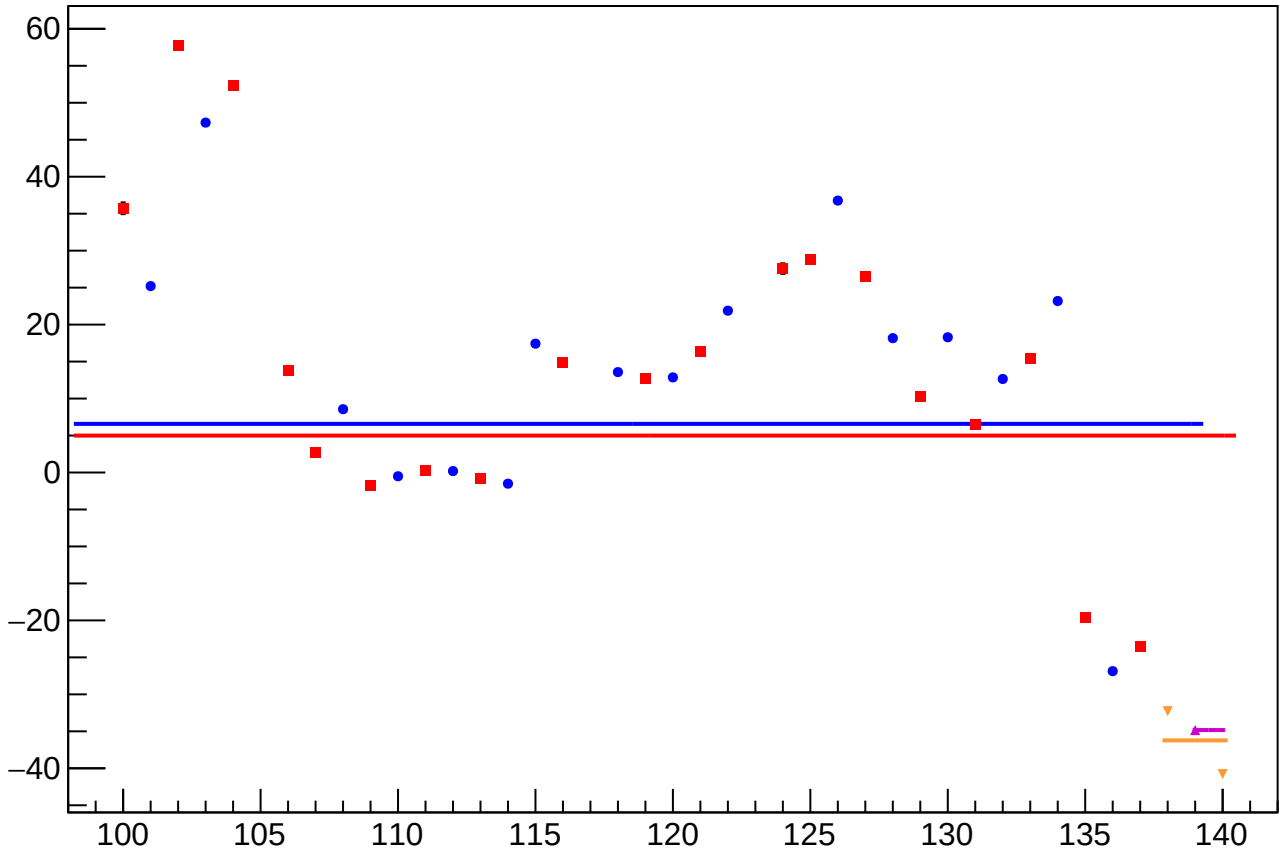
Left: -1.185+/-0.134 χ^2/NDF: 428.4/2

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.894+/-0.061 χ^2/NDF:3187.6/16

Out: 0.913+/-0.054 χ^2/NDF:1610.1/20

All: 0.904+/-0.040 χ^2/NDF: 4797.7/37



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -36.229+/-0.156 χ^2/NDF:738.6/1

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -34.829+/-0.207 χ^2/NDF:0.0/0

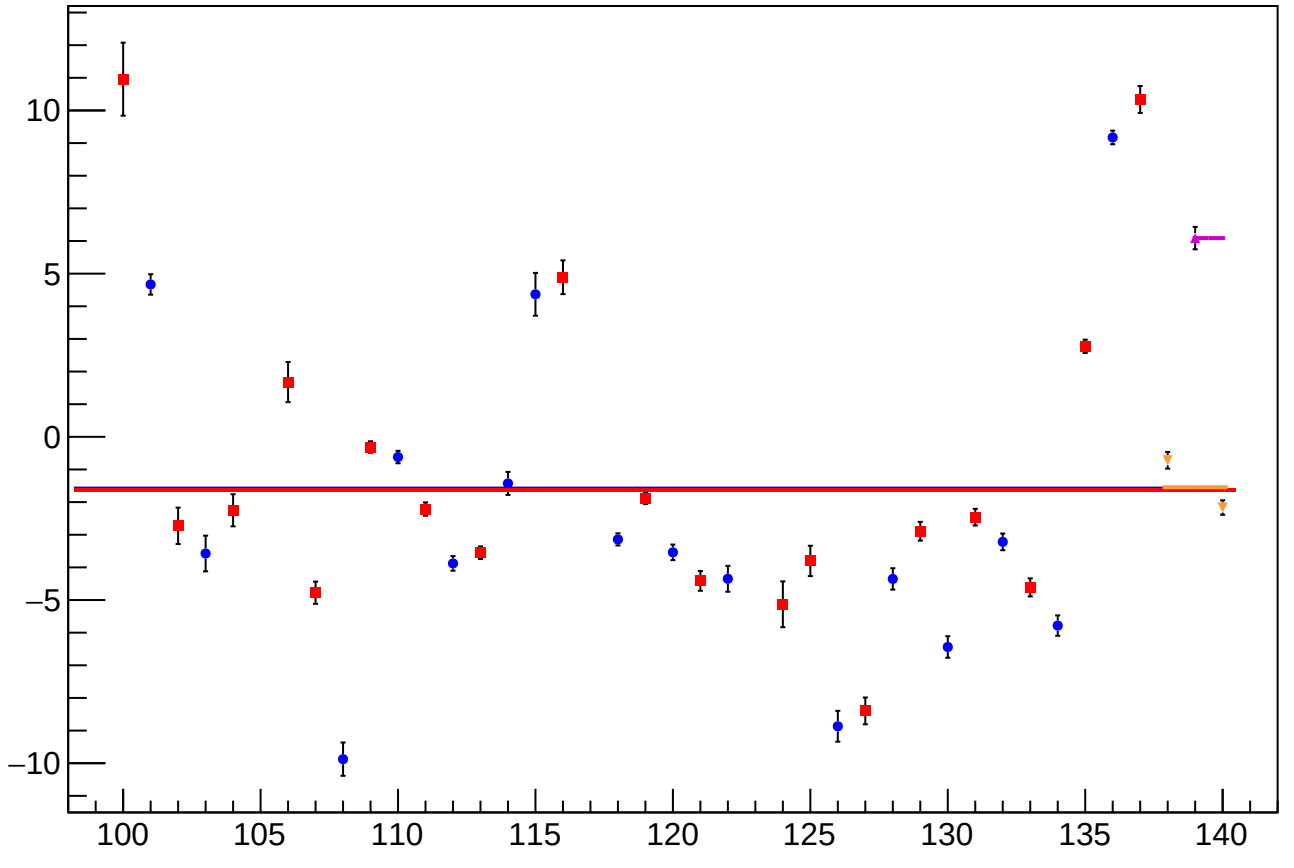
Left: -35.723+/-0.125 χ^2/NDF: 767.7/2

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 2.728+/-0.063 χ^2/NDF:105894.2/16

Out: -0.375+/-0.056 χ^2/NDF:135808.4/20

All: 0.998+/-0.042 χ^2/NDF: 243045.2/37



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.544+/-0.167 χ^2/NDF:18.3/1

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: 6.089+/-0.343 χ^2/NDF:0.0/0

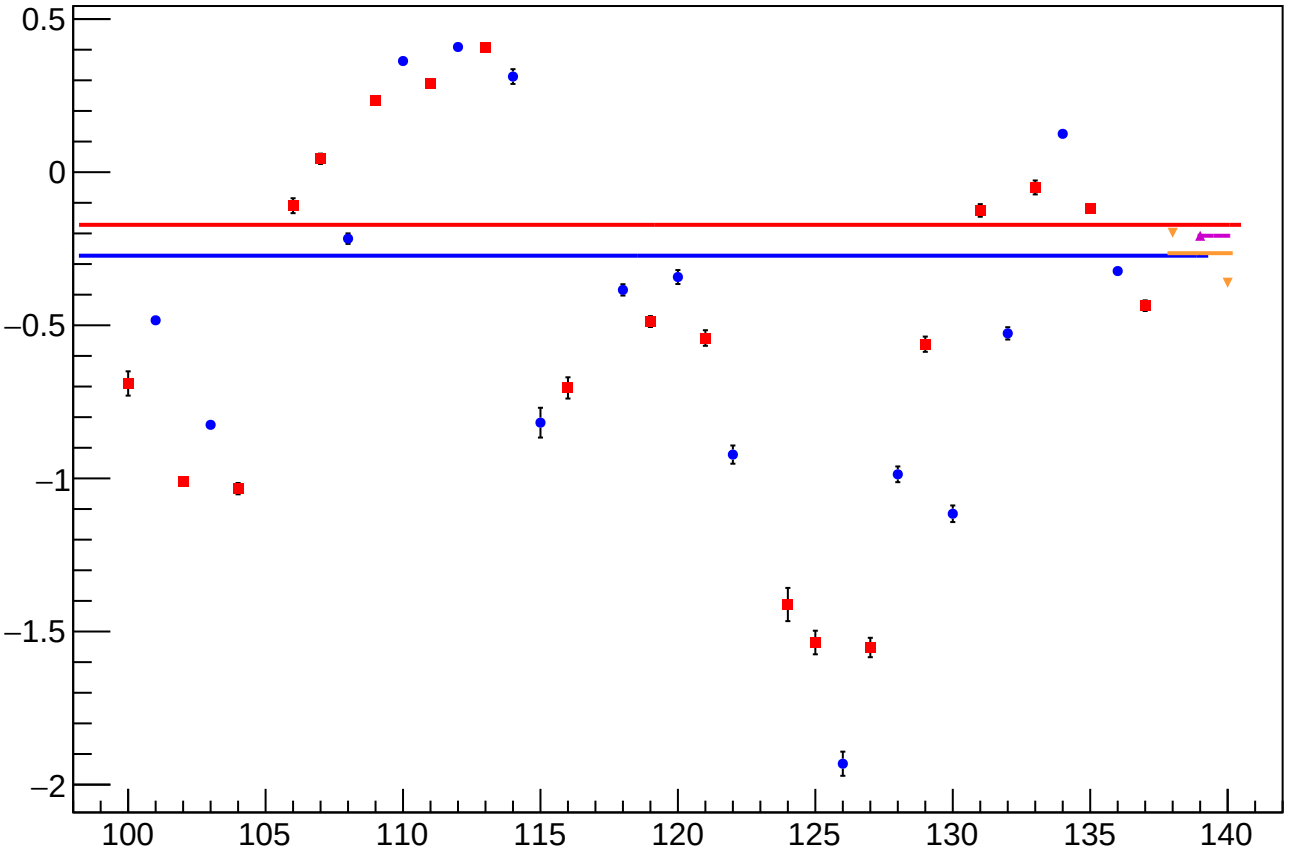
Left: -0.078+/-0.150 χ^2/NDF: 418.3/2

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.272+/-0.069 χ^2/NDF:4952.6/16

Out: -1.617+/-0.061 χ^2/NDF:2440.8/20

All: -1.466+/-0.046 χ^2/NDF: 7407.3/37



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.265+/-0.006 χ^2/NDF:158.8/1

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.208+/-0.007 χ^2/NDF:0.0/0

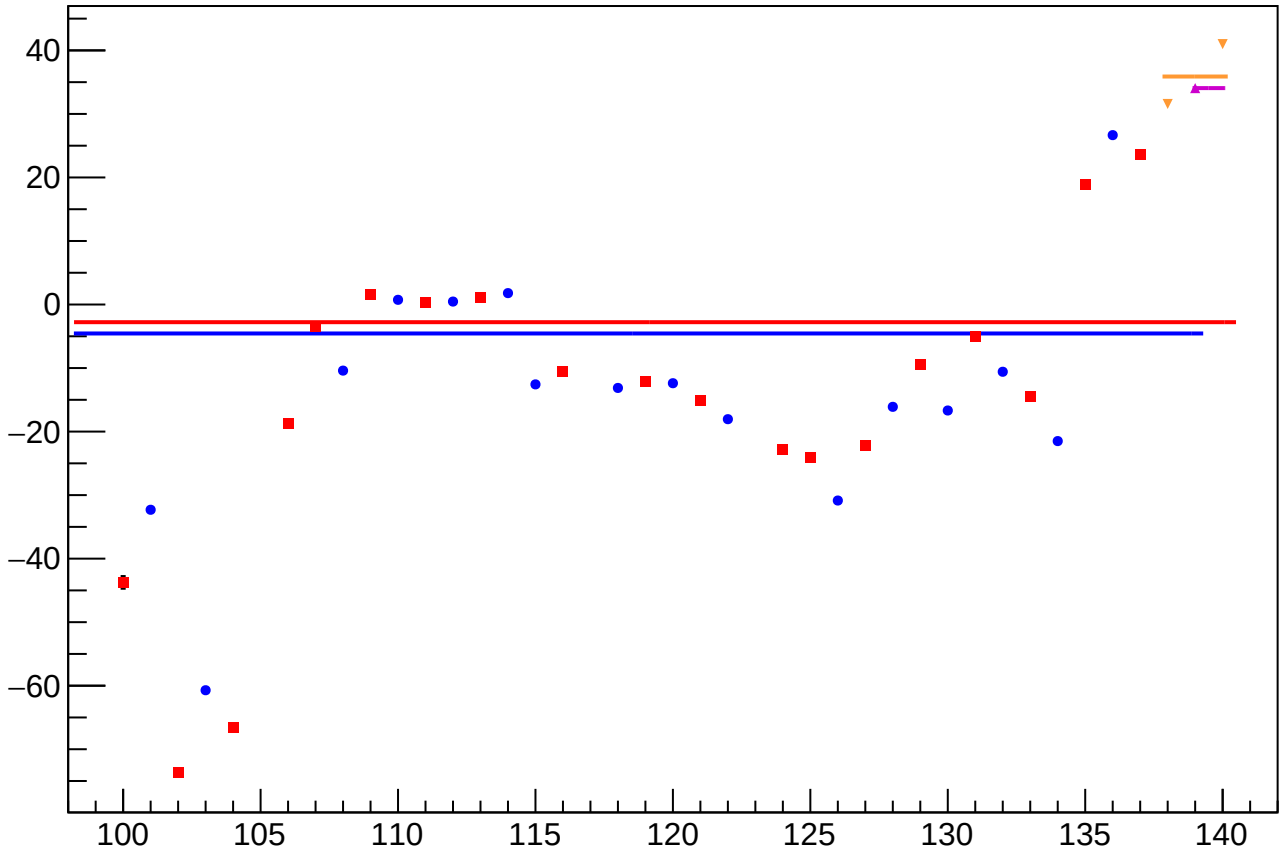
Left: -0.240+/-0.005 χ^2/NDF: 193.0/2

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.257+/-0.004 χ^2/NDF:11915.1/16

Out: -0.197+/-0.003 χ^2/NDF:15635.9/20

All: -0.224+/-0.002 χ^2/NDF: 27697.3/37



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 35.888+/-0.154 χ^2/NDF:925.7/1

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 34.065+/-0.203 χ^2/NDF:0.0/0

Left: 35.222+/-0.123 χ^2/NDF: 976.6/2

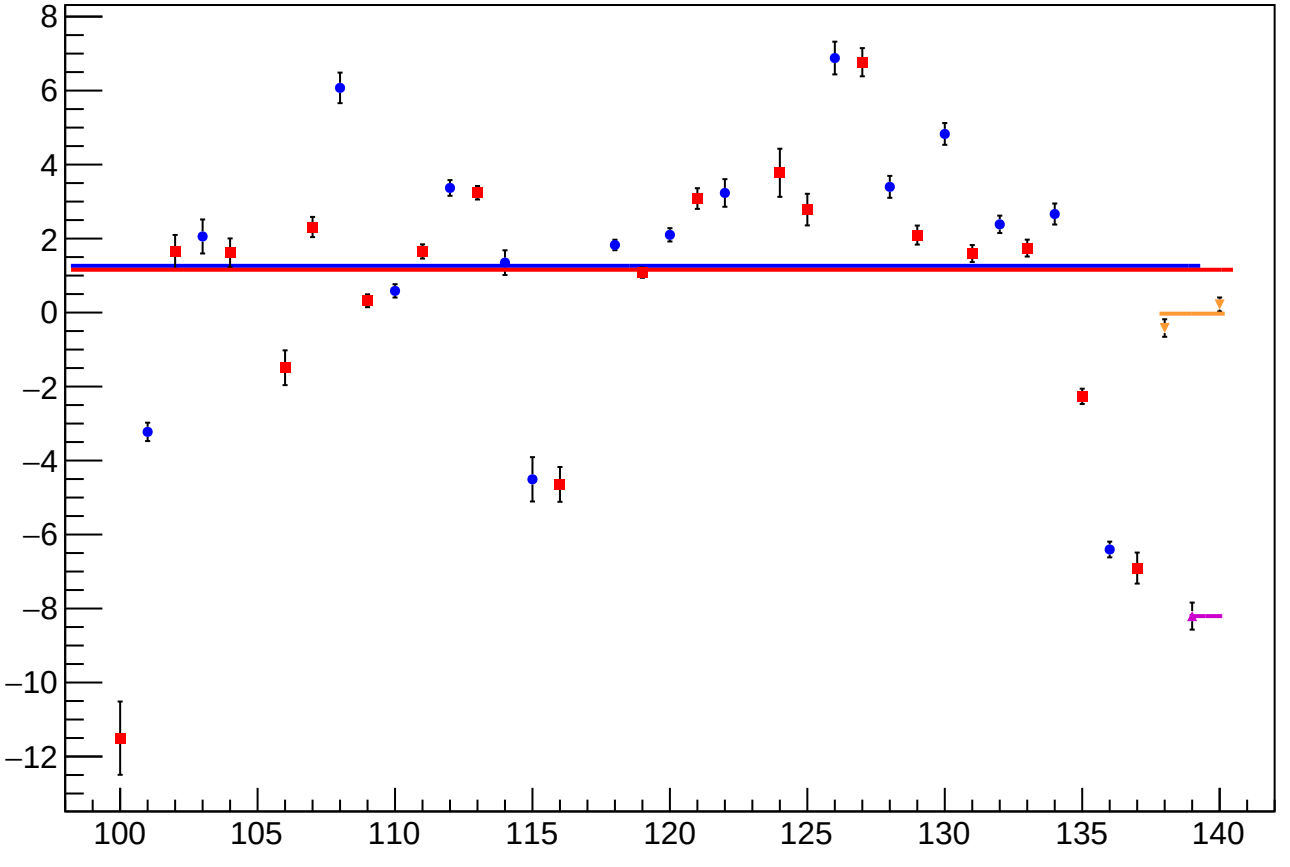
Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: -1.764+/-0.055 χ^2/NDF:106073.4/16

Out: 0.698+/-0.046 χ^2/NDF:135975.4/20

All: -0.329+/-0.035 χ^2/NDF: 243228.8/37

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -0.030+/-0.148 χ^2/NDF:4.4/1

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: -8.205+/-0.365 χ^2/NDF:0.0/0

Left: -1.184+/-0.137 χ^2/NDF: 434.6/2

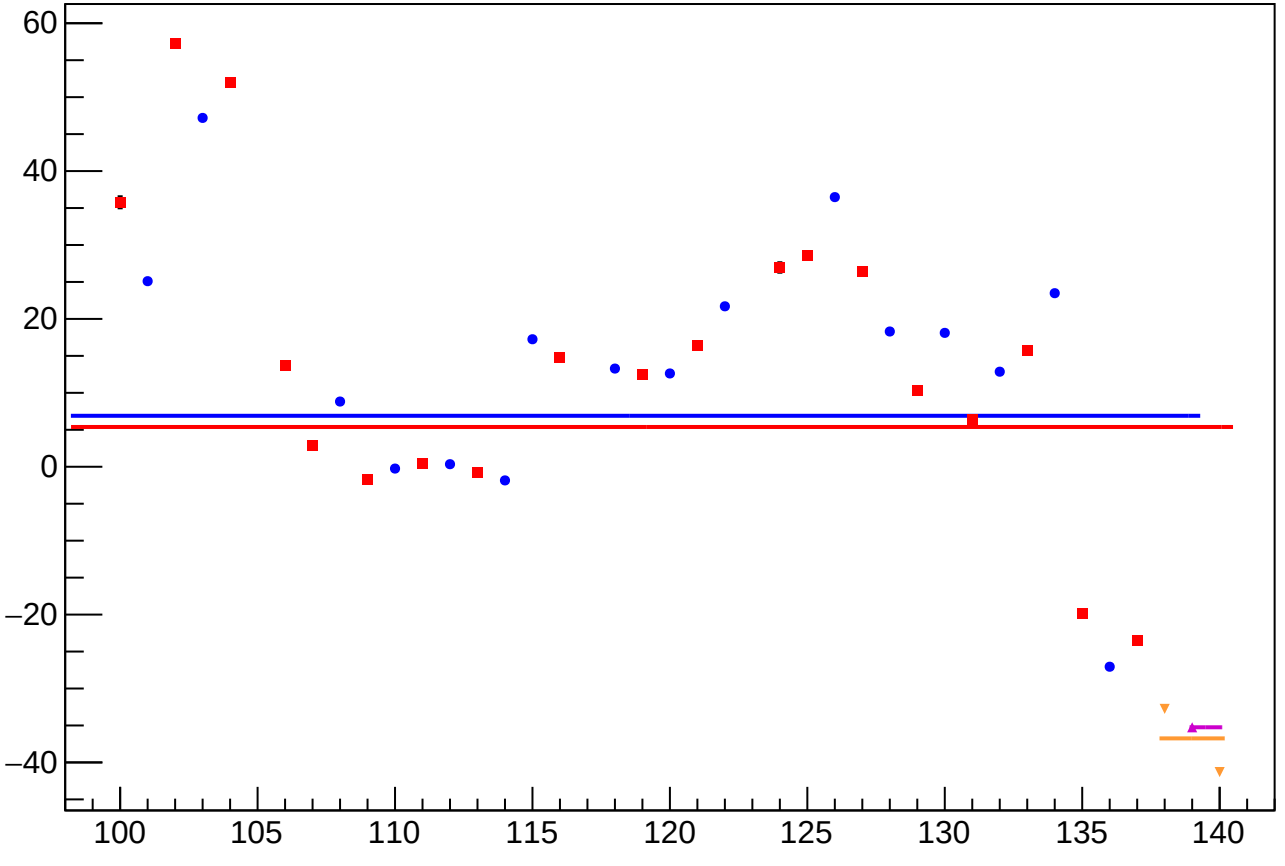
Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.998+/-0.061 χ^2/NDF:3096.8/16

Out: 0.994+/-0.055 χ^2/NDF:1550.3/20

All: 0.996+/-0.041 χ^2/NDF: 4647.1/37

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -36.747+/-0.160 χ^2/NDF:709.3/1

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -35.246+/-0.212 χ^2/NDF:0.0/0

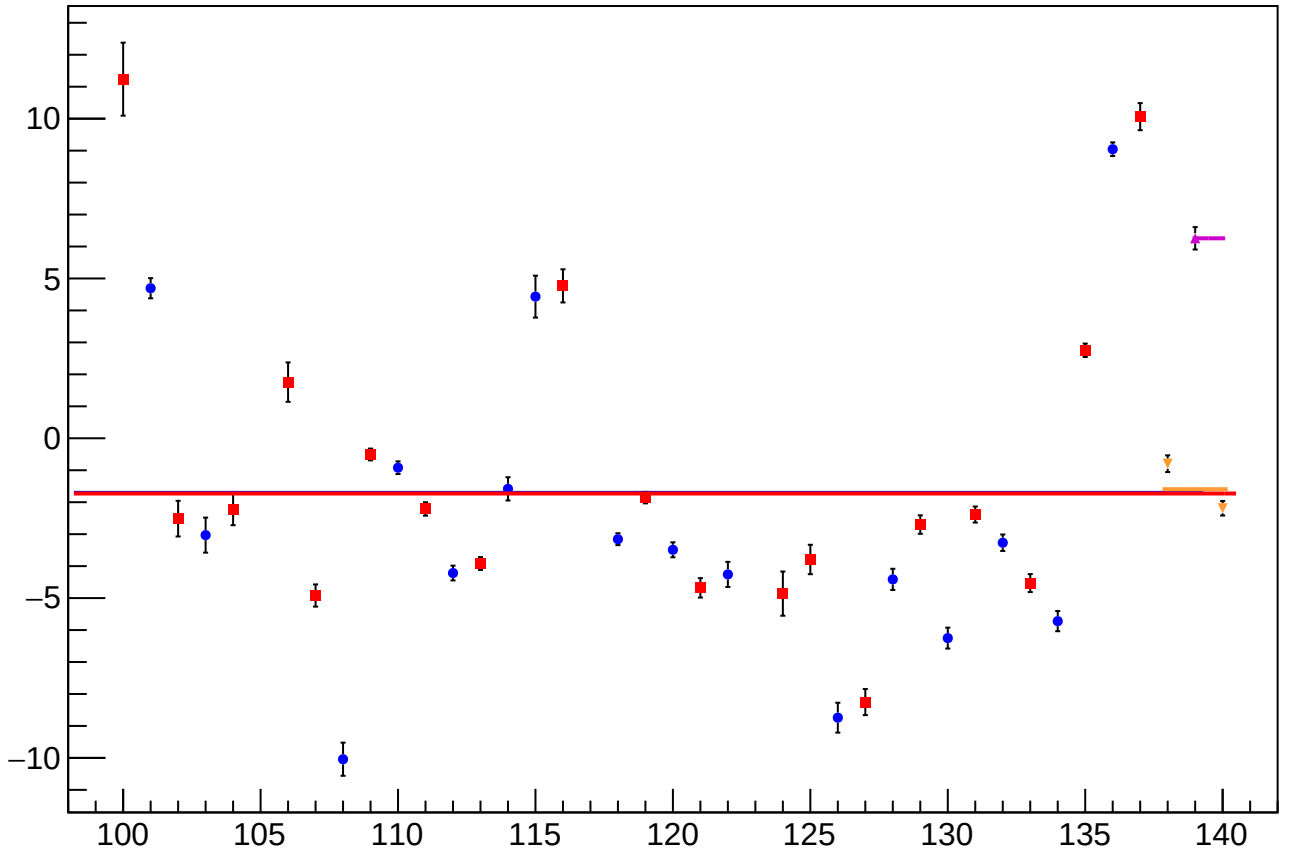
Left: -36.202+/-0.128 χ^2/NDF: 741.3/2

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 3.030+/-0.064 χ^2/NDF:103938.2/16

Out: -0.065+/-0.058 χ^2/NDF:133237.4/20

All: 1.314+/-0.043 χ^2/NDF: 238464.2/37



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.593+/-0.171 χ^2/NDF:16.2/1

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: 6.257+/-0.350 χ^2/NDF:0.0/0

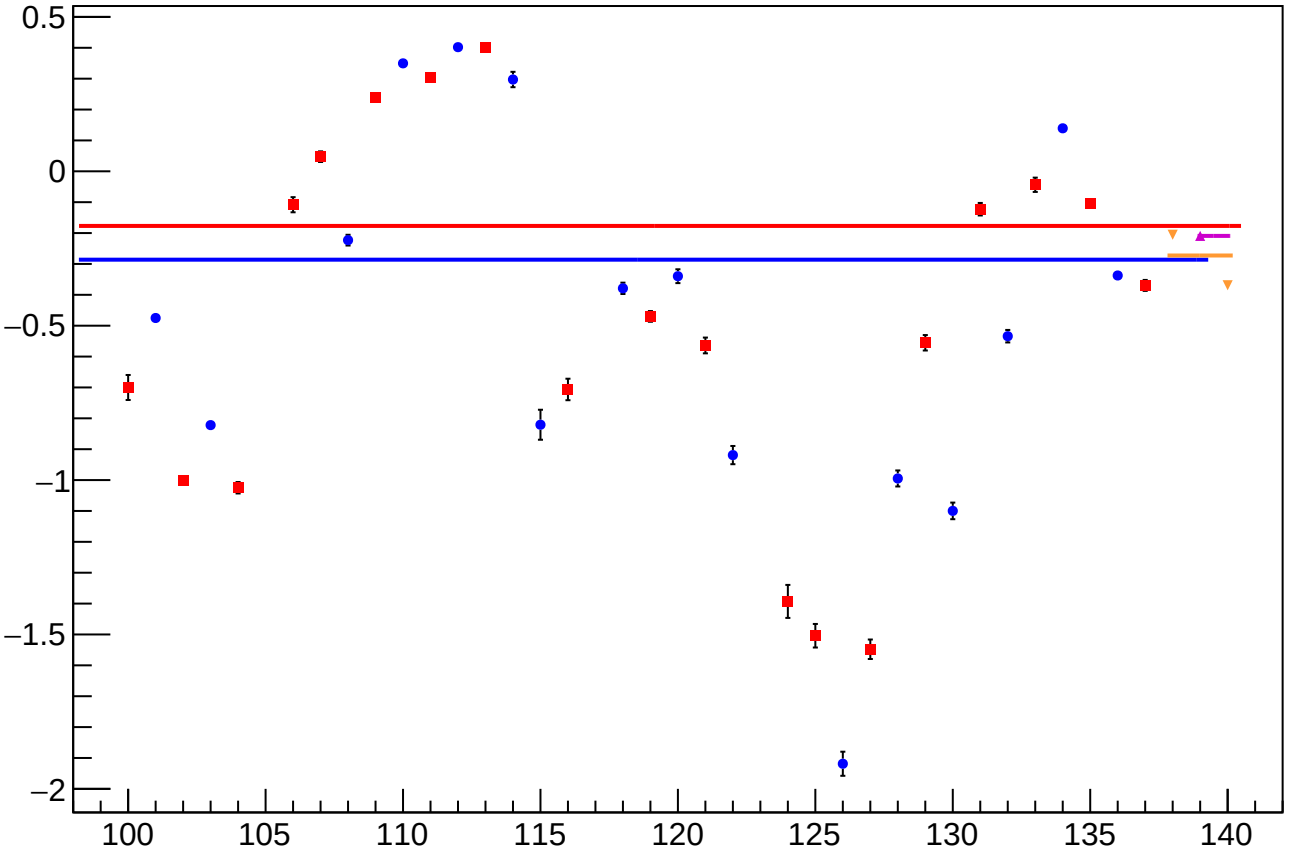
Left: -0.079+/-0.154 χ^2/NDF: 421.1/2

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.389+/-0.070 χ^2/NDF:4785.5/16

Out: -1.710+/-0.062 χ^2/NDF:2326.3/20

All: -1.568+/-0.047 χ^2/NDF: 7123.5/37



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.273+/-0.007 χ^2/NDF:152.1/1

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.209+/-0.008 χ^2/NDF:0.0/0

Left: -0.245+/-0.005 χ^2/NDF: 192.7/2

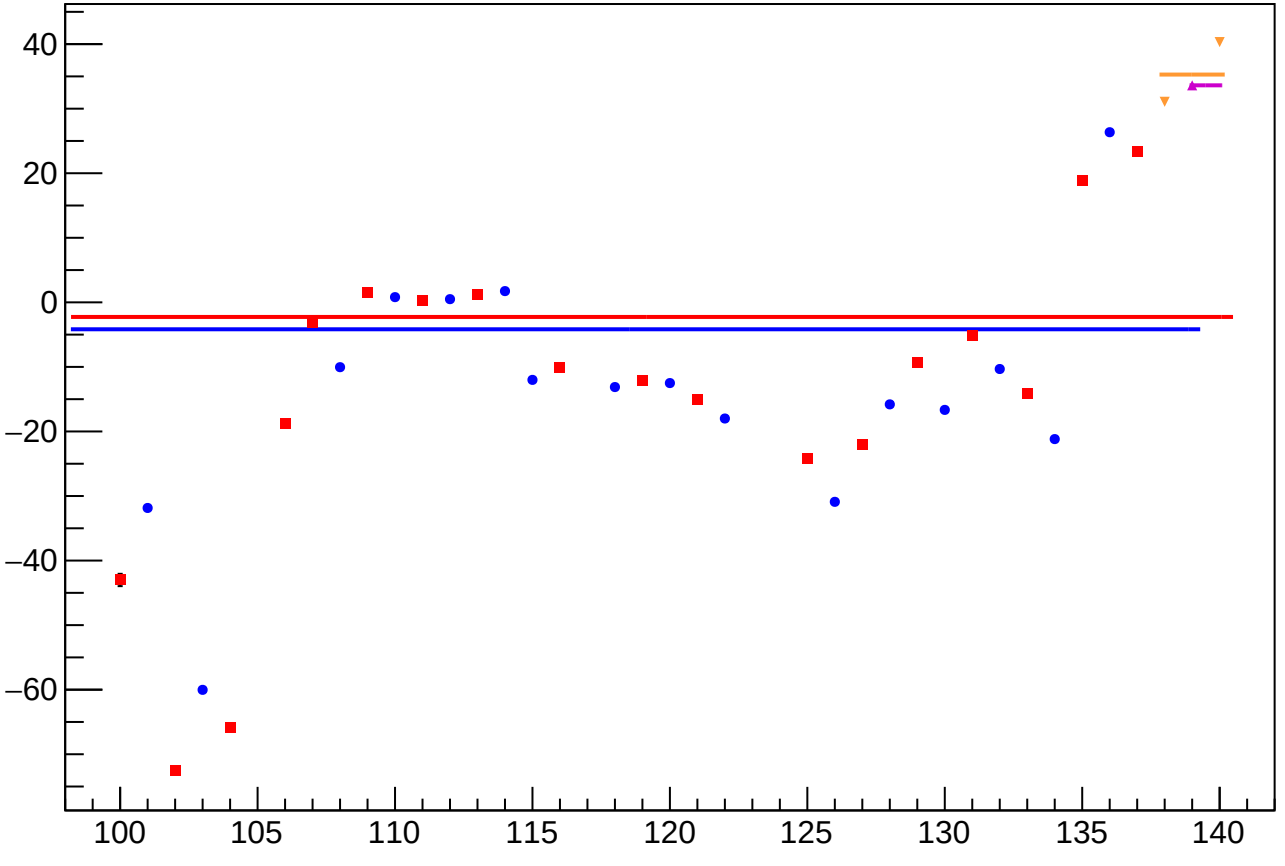
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.267+/-0.004 χ^2/NDF:11440.2/16

Out: -0.203+/-0.003 χ^2/NDF:15077.5/20

All: -0.232+/-0.003 χ^2/NDF: 26683.9/37

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 35.285+/-0.149 χ^2/NDF:959.1/1

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 33.617+/-0.196 χ^2/NDF:0.0/0

Left: 34.677+/-0.119 χ^2/NDF: 1004.9/2

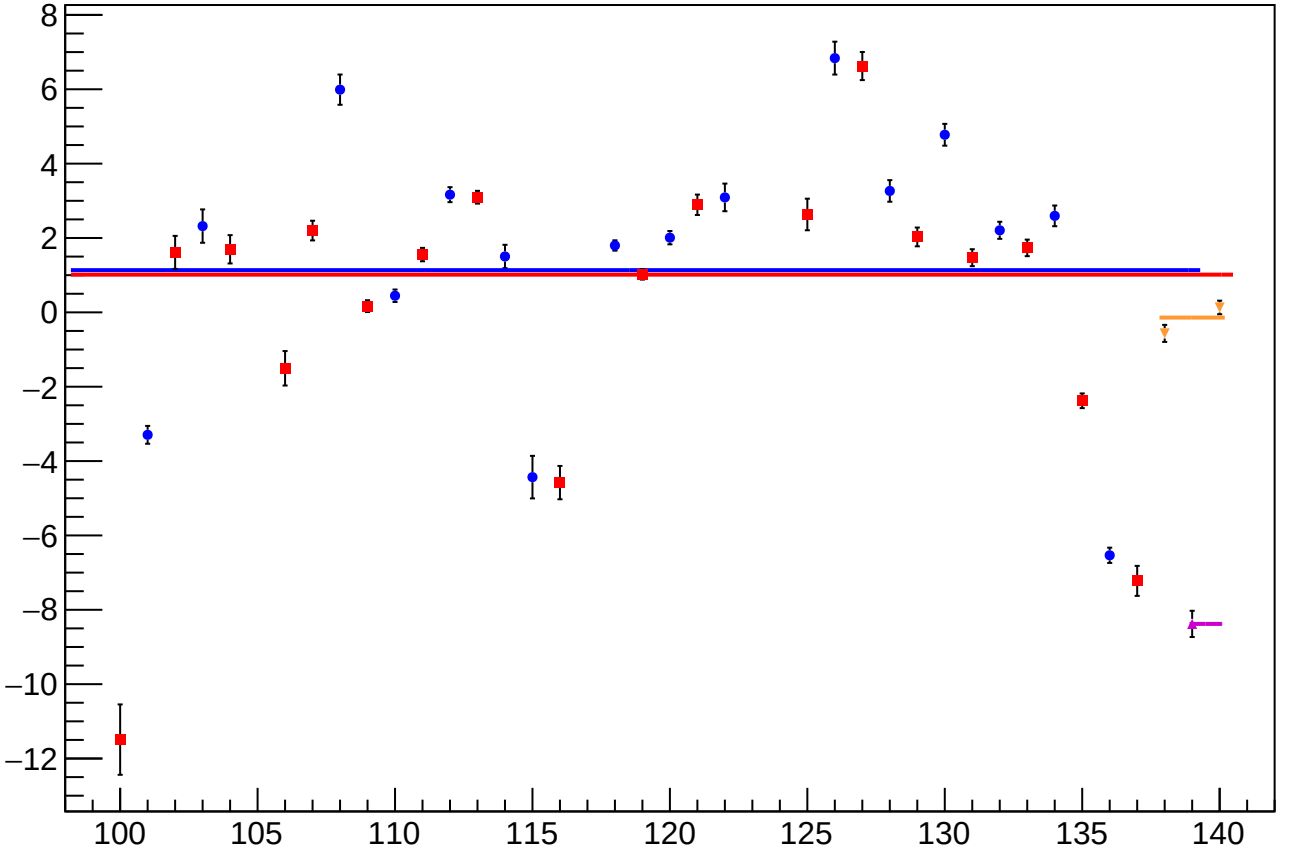
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: -1.477+/-0.052 χ^2/NDF:109756.9/16

Out: 1.021+/-0.044 χ^2/NDF:138733.0/19

All: -0.010+/-0.034 χ^2/NDF: 249821.9/36

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -0.141+/-0.143 χ^2/NDF:5.6/1

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -8.380+/-0.353 χ^2/NDF:0.0/0

Left: -1.303+/-0.133 χ^2/NDF: 473.7/2

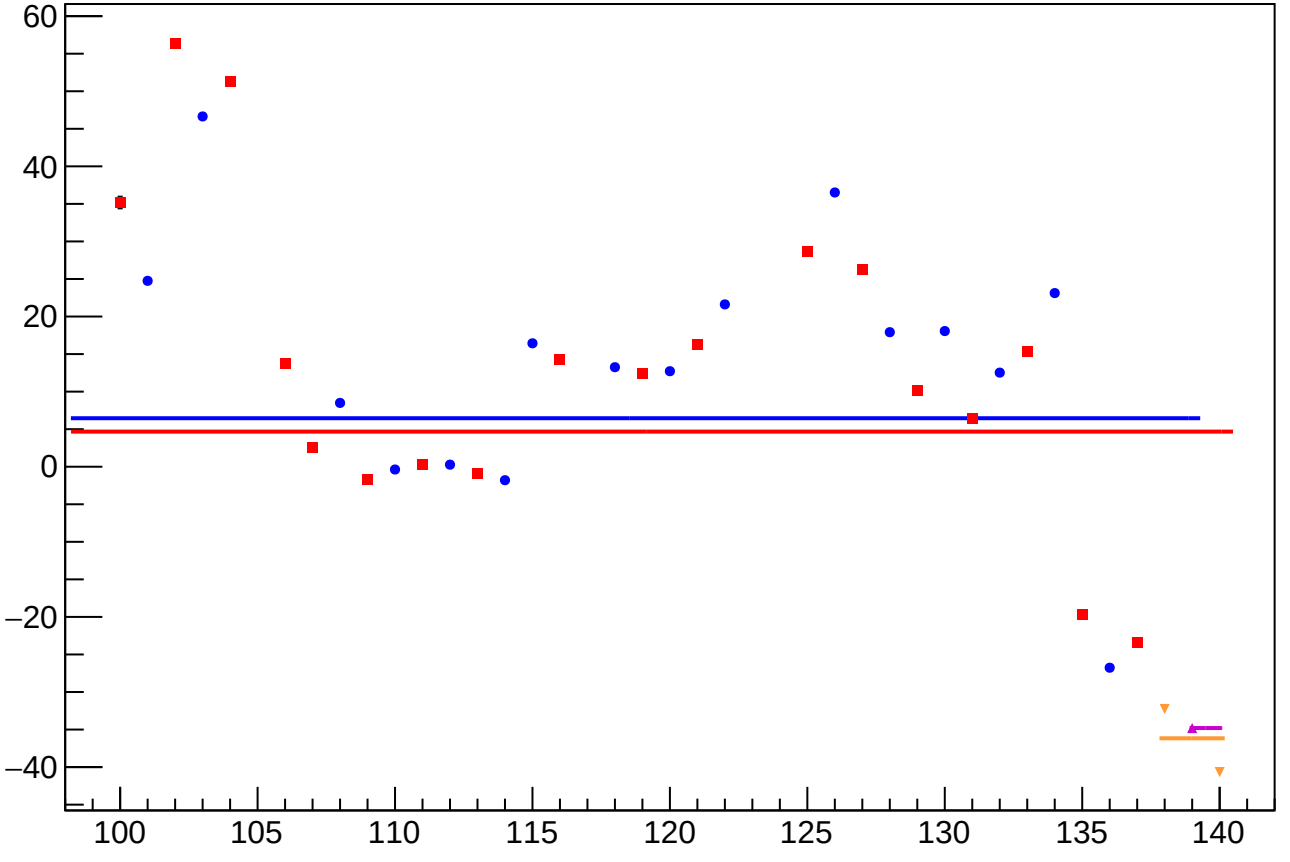
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.866+/-0.059 χ^2/NDF:3301.9/16

Out: 0.855+/-0.053 χ^2/NDF:1654.9/19

All: 0.860+/-0.040 χ^2/NDF: 4956.8/36

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -36.164+/-0.154 χ^2/NDF:737.6/1

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -34.798+/-0.205 χ^2/NDF:0.0/0

Left: -35.669+/-0.123 χ^2/NDF: 766.0/2

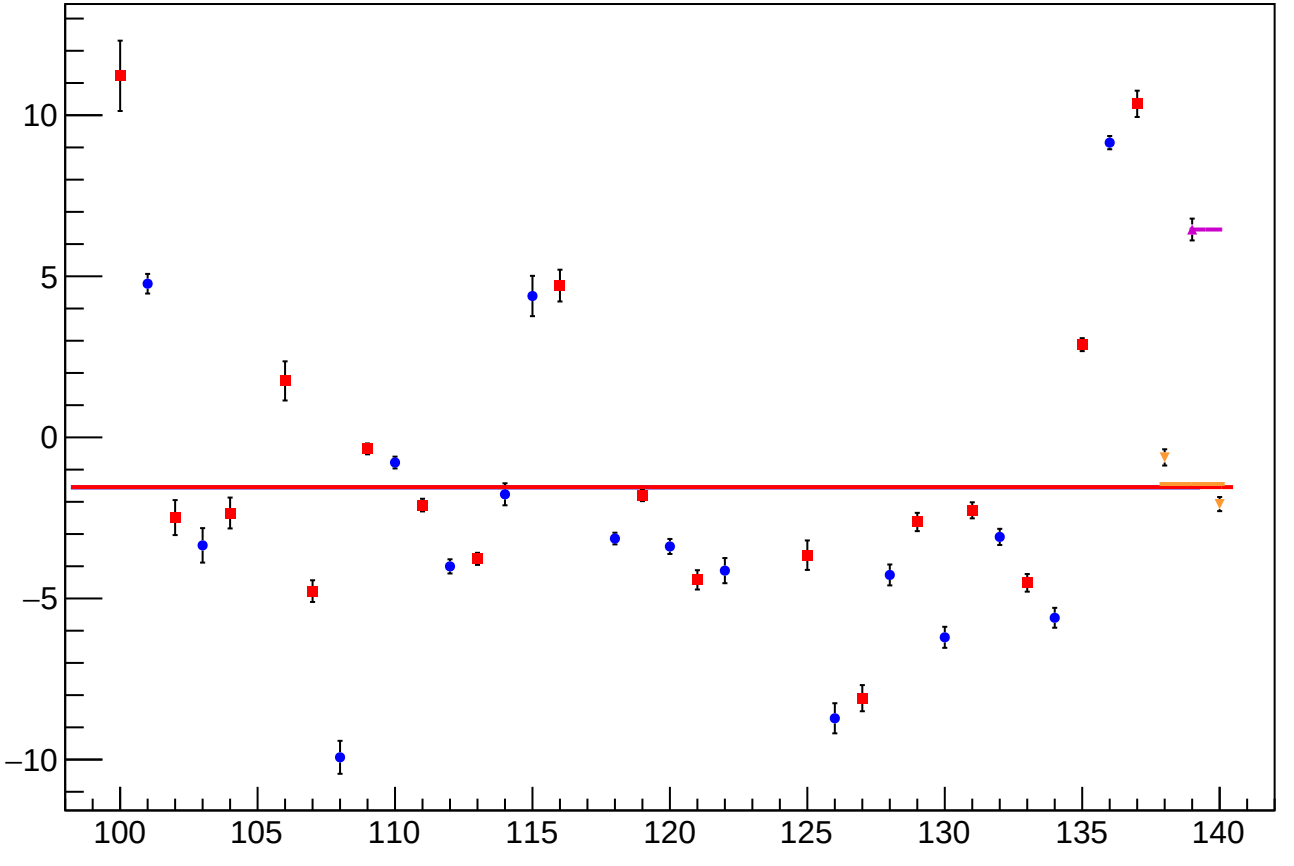
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: 2.683+/-0.062 χ^2/NDF:107692.3/16

Out: -0.545+/-0.055 χ^2/NDF:136239.2/19

All: 0.884+/-0.041 χ^2/NDF: 245447.0/36

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.448+/-0.165 χ^2/NDF:18.8/1

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 6.452+/-0.339 χ^2/NDF:0.0/0

Left: 0.073+/-0.149 χ^2/NDF: 458.2/2

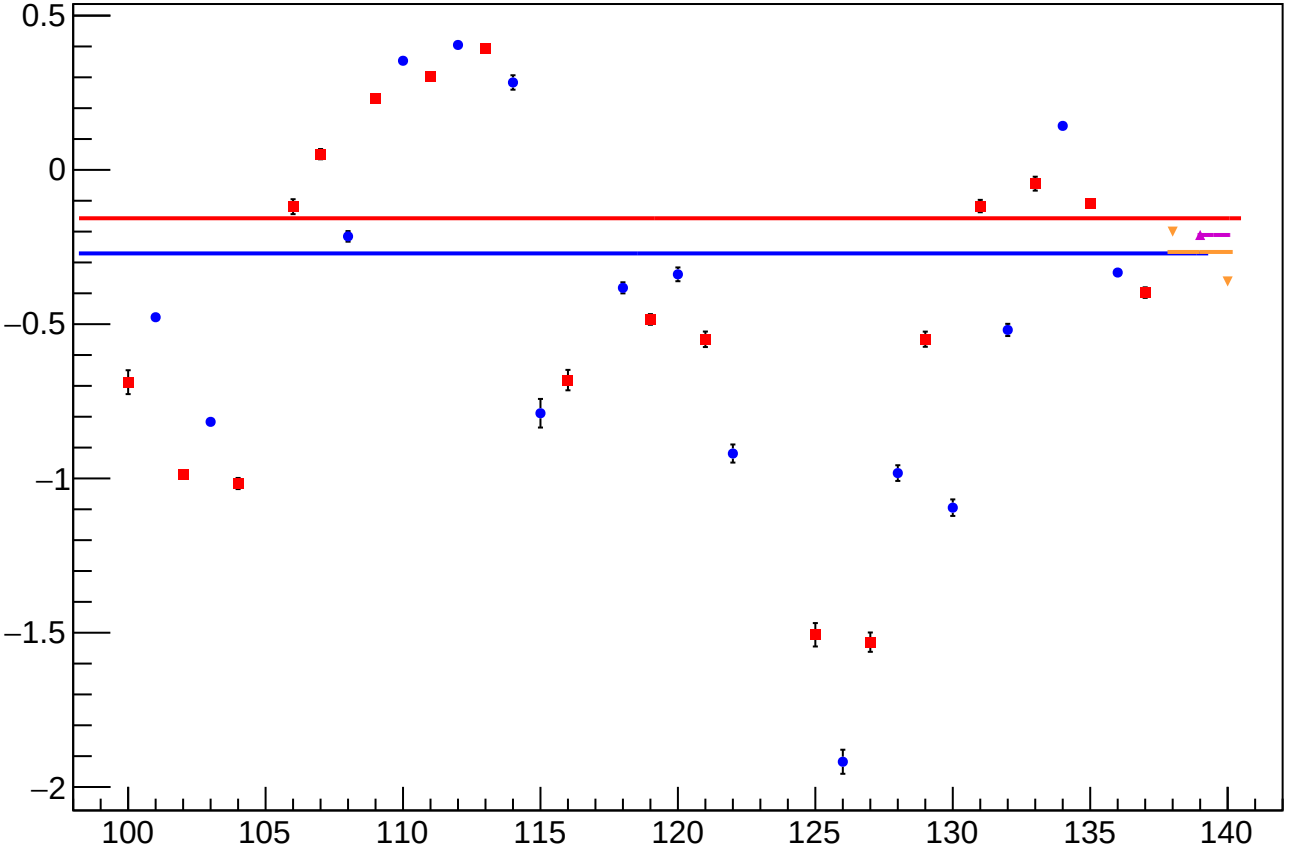
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.230+/-0.068 χ^2/NDF:5079.7/16

Out: -1.530+/-0.060 χ^2/NDF:2492.1/19

All: -1.398+/-0.045 χ^2/NDF: 7582.8/36

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.266+/-0.006 χ^2/NDF:159.6/1

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.211+/-0.007 χ^2/NDF:0.0/0

Left: -0.242+/-0.005 χ^2/NDF: 192.4/2

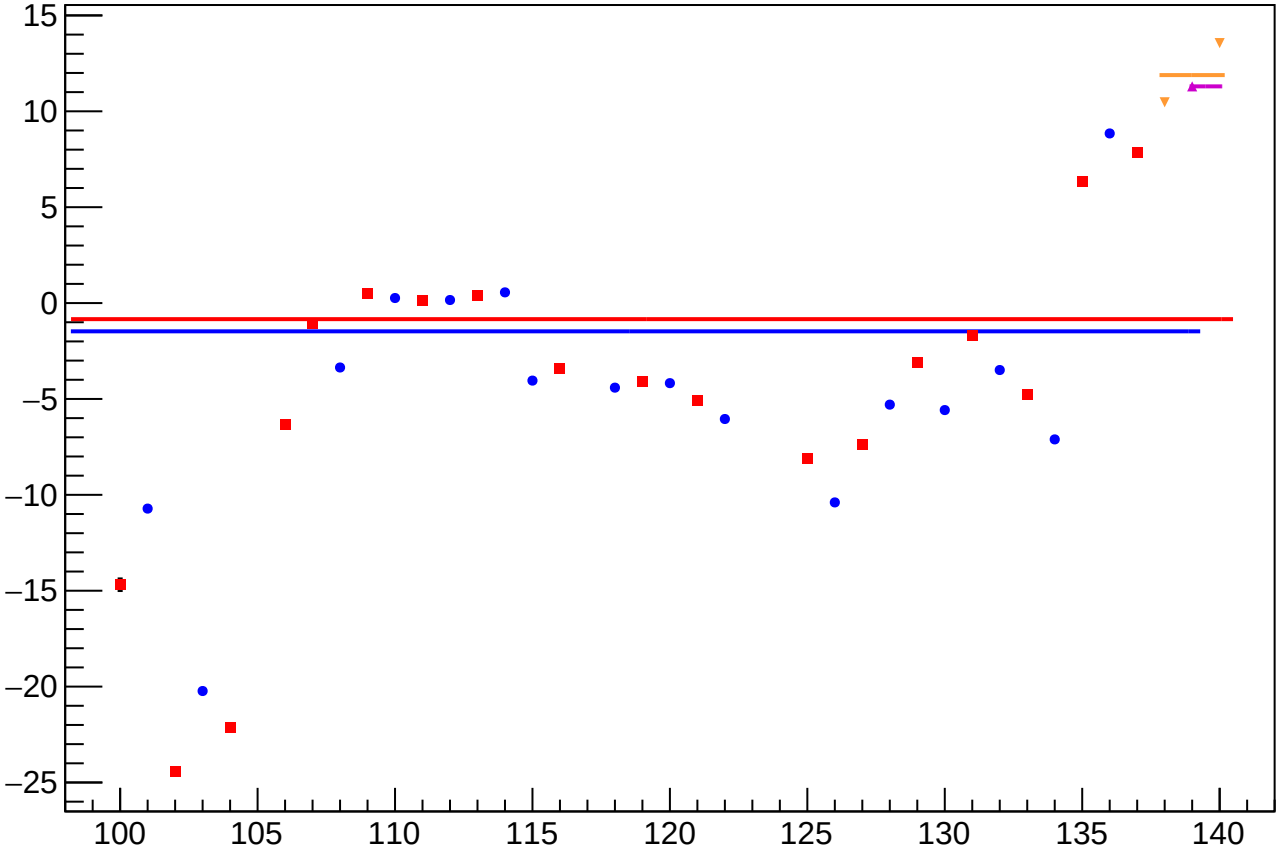
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.256+/-0.004 χ^2/NDF:12147.0/16

Out: -0.186+/-0.003 χ^2/NDF:15400.0/19

All: -0.217+/-0.002 χ^2/NDF: 27756.2/36

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 11.889+/-0.051 χ^2/NDF:922.7/1

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 11.300+/-0.067 χ^2/NDF:0.0/0

Left: 11.674+/-0.040 χ^2/NDF: 971.9/2

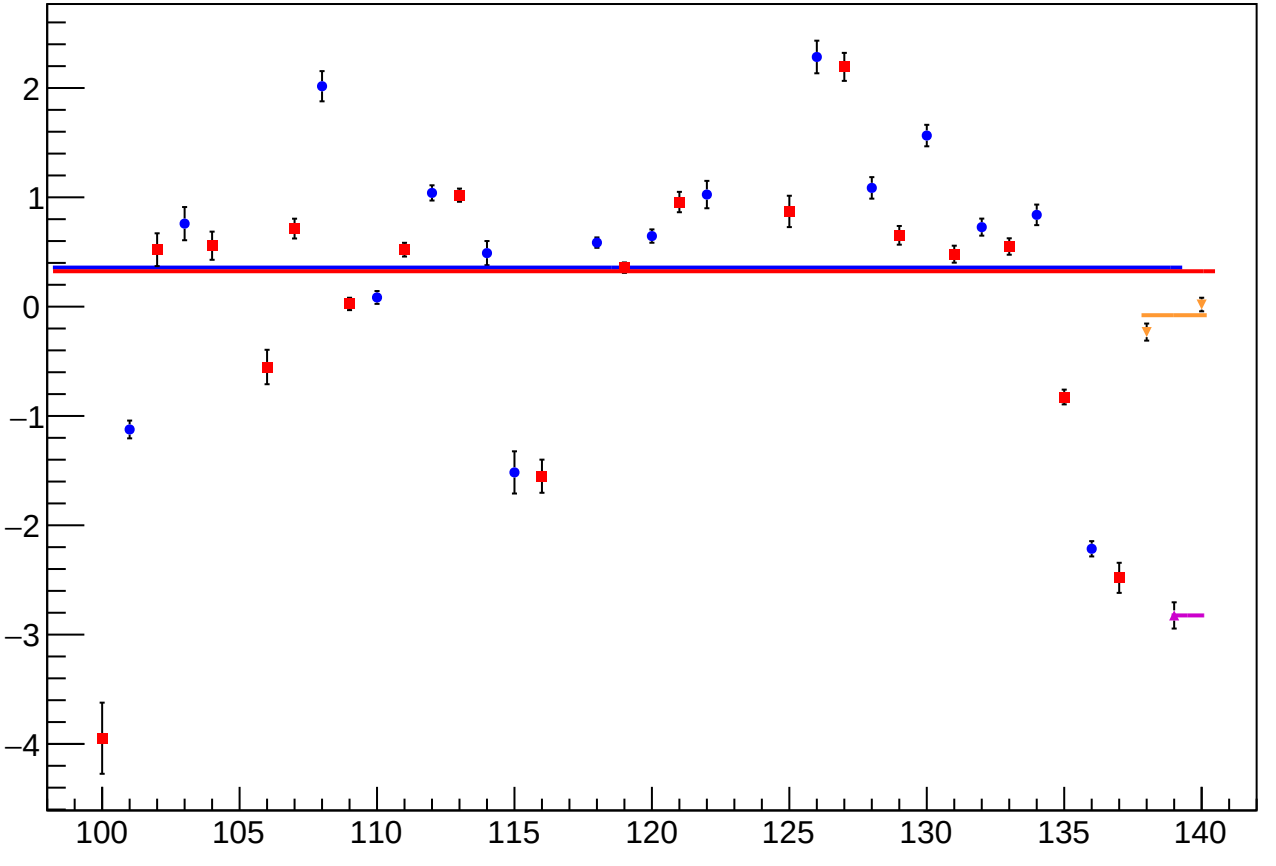
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: -0.543+/-0.018 χ^2/NDF:107592.6/16

Out: 0.321+/-0.015 χ^2/NDF:136345.1/19

All: -0.040+/-0.012 χ^2/NDF: 245271.9/36

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -0.078+/-0.049 χ^2/NDF:6.4/1

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -2.825+/-0.120 χ^2/NDF:0.0/0

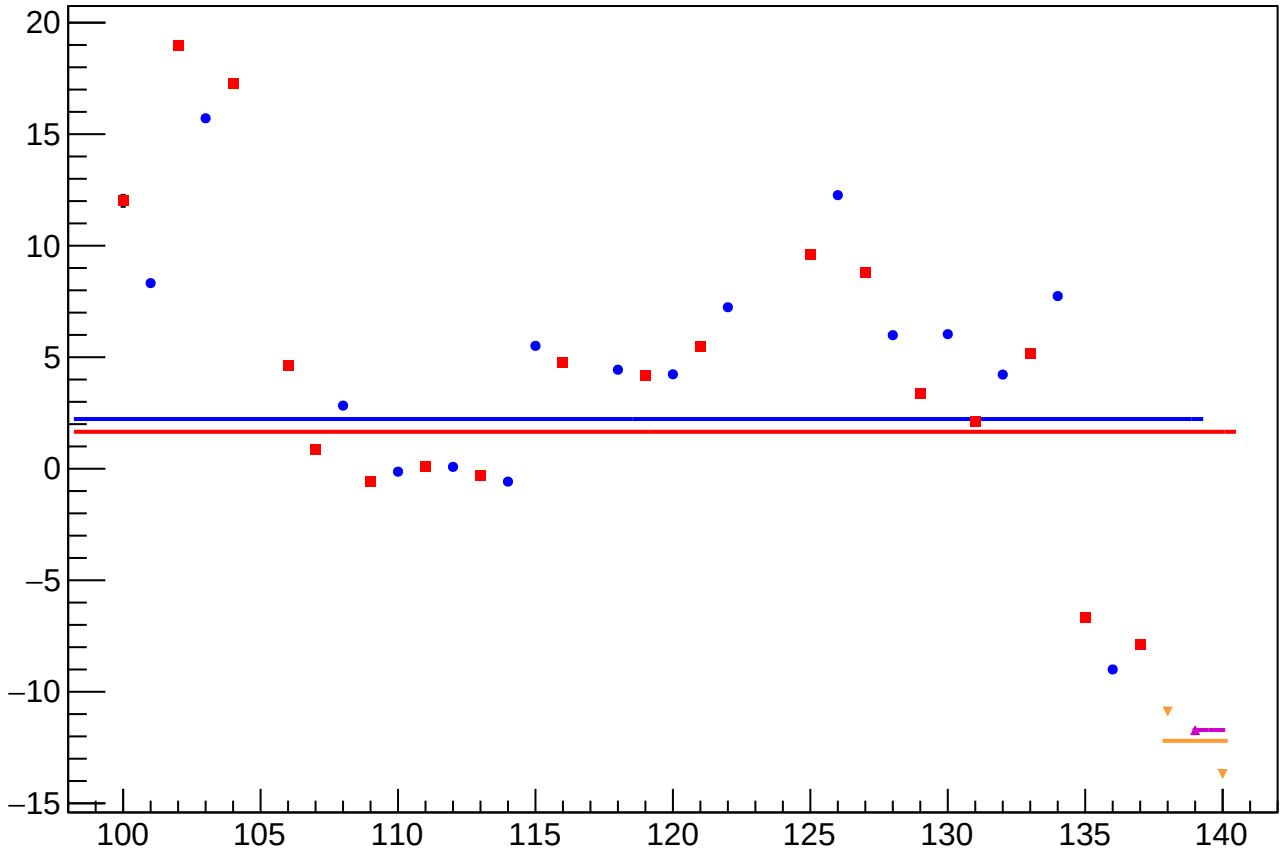
Left: -0.465+/-0.045 χ^2/NDF: 455.9/2

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.266+/-0.020 χ^2/NDF:3225.4/16

Out: 0.267+/-0.018 χ^2/NDF:1624.1/19

All: 0.267+/-0.014 χ^2/NDF: 4849.5/36



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -12.199+/-0.053 χ^2/NDF:707.9/1

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -11.714+/-0.070 χ^2/NDF:0.0/0

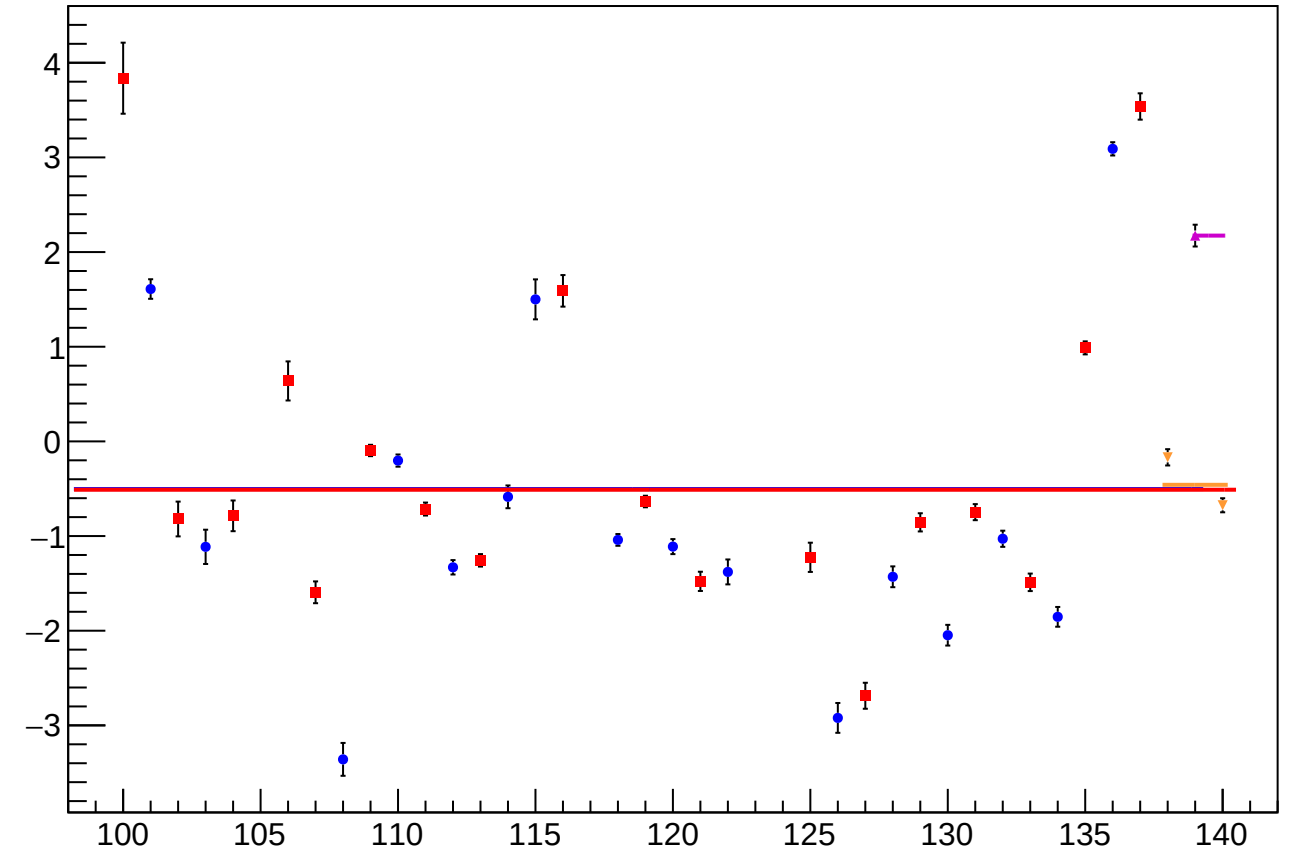
Left: -12.023+/-0.042 χ^2/NDF: 738.8/2

Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: 0.937+/-0.021 χ^2/NDF:105560.0/16

Out: -0.166+/-0.019 χ^2/NDF:133911.2/19

All: 0.327+/-0.014 χ^2/NDF: 240968.2/36



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.459+/-0.056 χ^2/NDF:19.9/1

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 2.174+/-0.115 χ^2/NDF:0.0/0

Left: 0.048+/-0.051 χ^2/NDF: 441.6/2

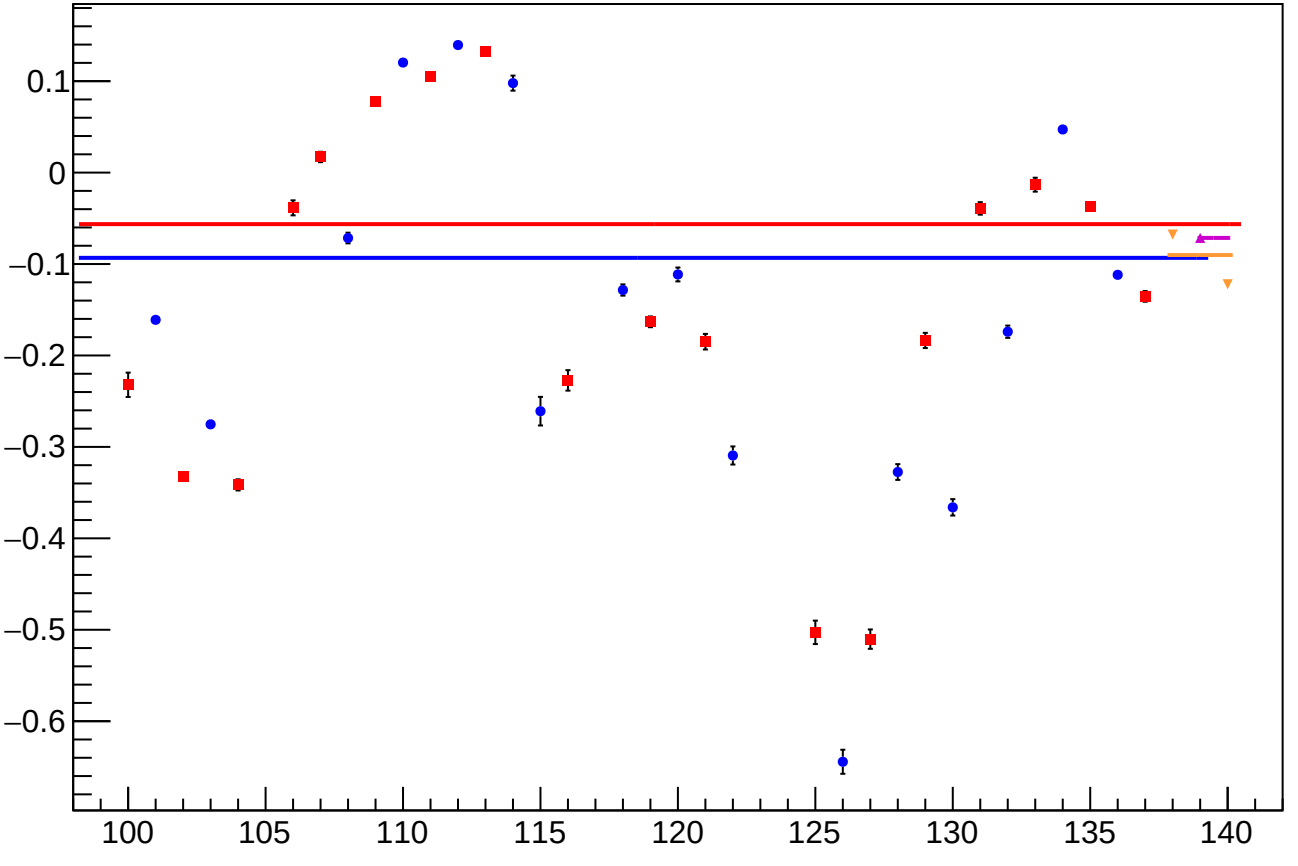
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.395+/-0.023 χ^2/NDF:4965.5/16

Out: -0.504+/-0.021 χ^2/NDF:2444.6/19

All: -0.456+/-0.015 χ^2/NDF: 7422.3/36

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.090+/-0.002 χ^2/NDF:156.3/1

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.071+/-0.002 χ^2/NDF:0.0/0

Left: -0.082+/-0.002 χ^2/NDF: 189.1/2

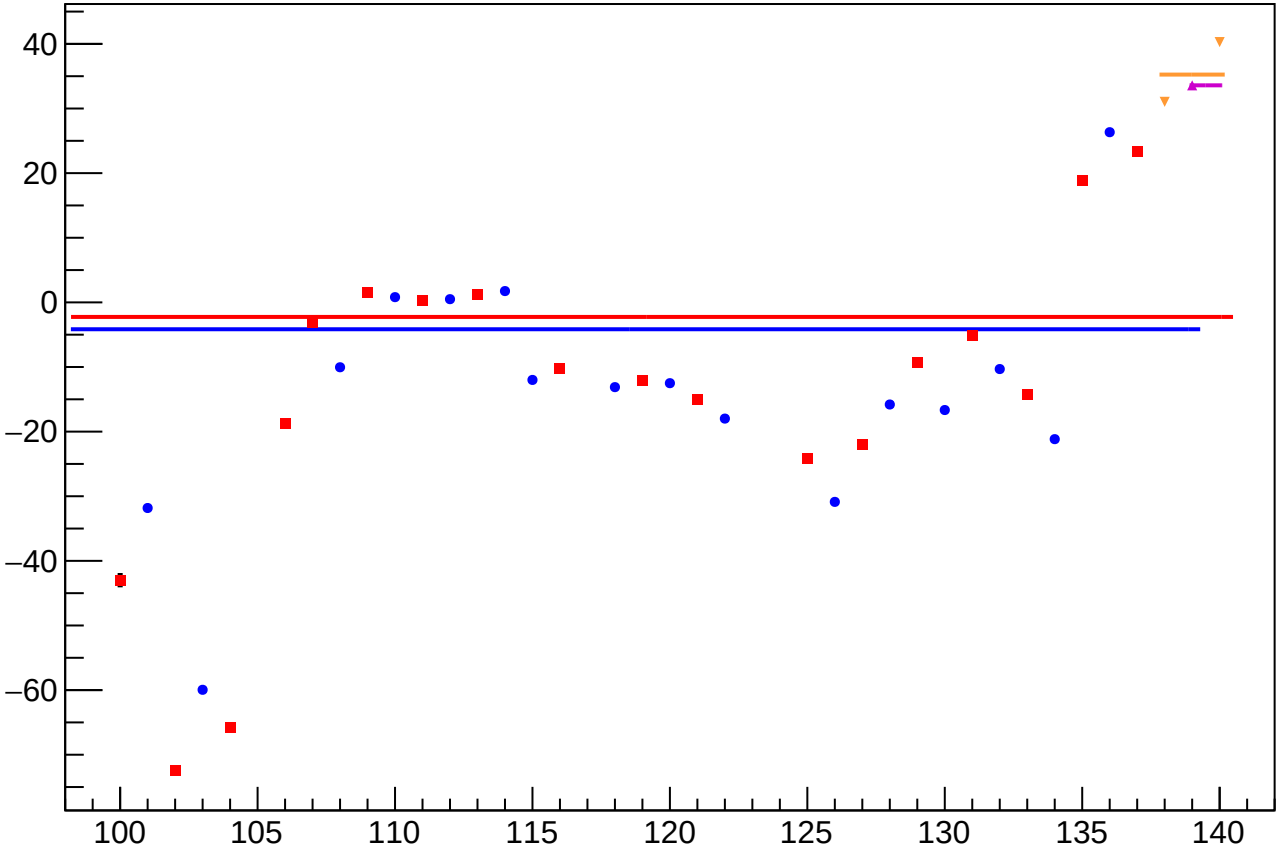
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.088+/-0.001 χ^2/NDF:11800.9/16

Out: -0.066+/-0.001 χ^2/NDF:14795.3/19

All: -0.076+/-0.001 χ^2/NDF: 26777.6/36

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 35.251+/-0.149 χ^2/NDF:960.3/1

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 33.588+/-0.196 χ^2/NDF:0.0/0

Left: 34.645+/-0.118 χ^2/NDF: 1005.9/2

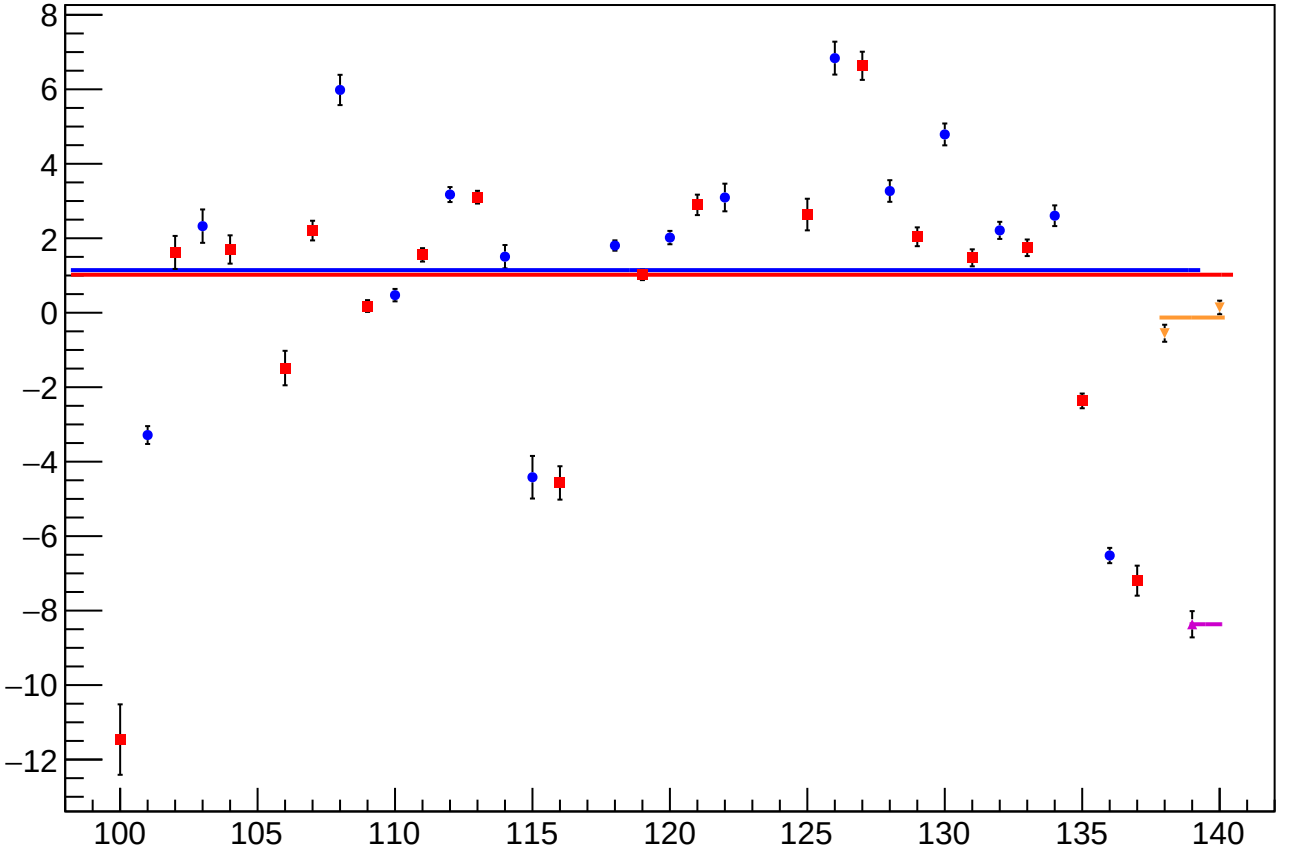
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: -1.468+/-0.052 χ^2/NDF:109766.0/16

Out: 1.024+/-0.044 χ^2/NDF:138726.3/19

All: -0.004+/-0.034 χ^2/NDF: 249820.9/36

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: -0.129+/-0.143 χ^2/NDF:5.6/1

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -8.367+/-0.353 χ^2/NDF:0.0/0

Left: -1.291+/-0.132 χ^2/NDF: 474.3/2

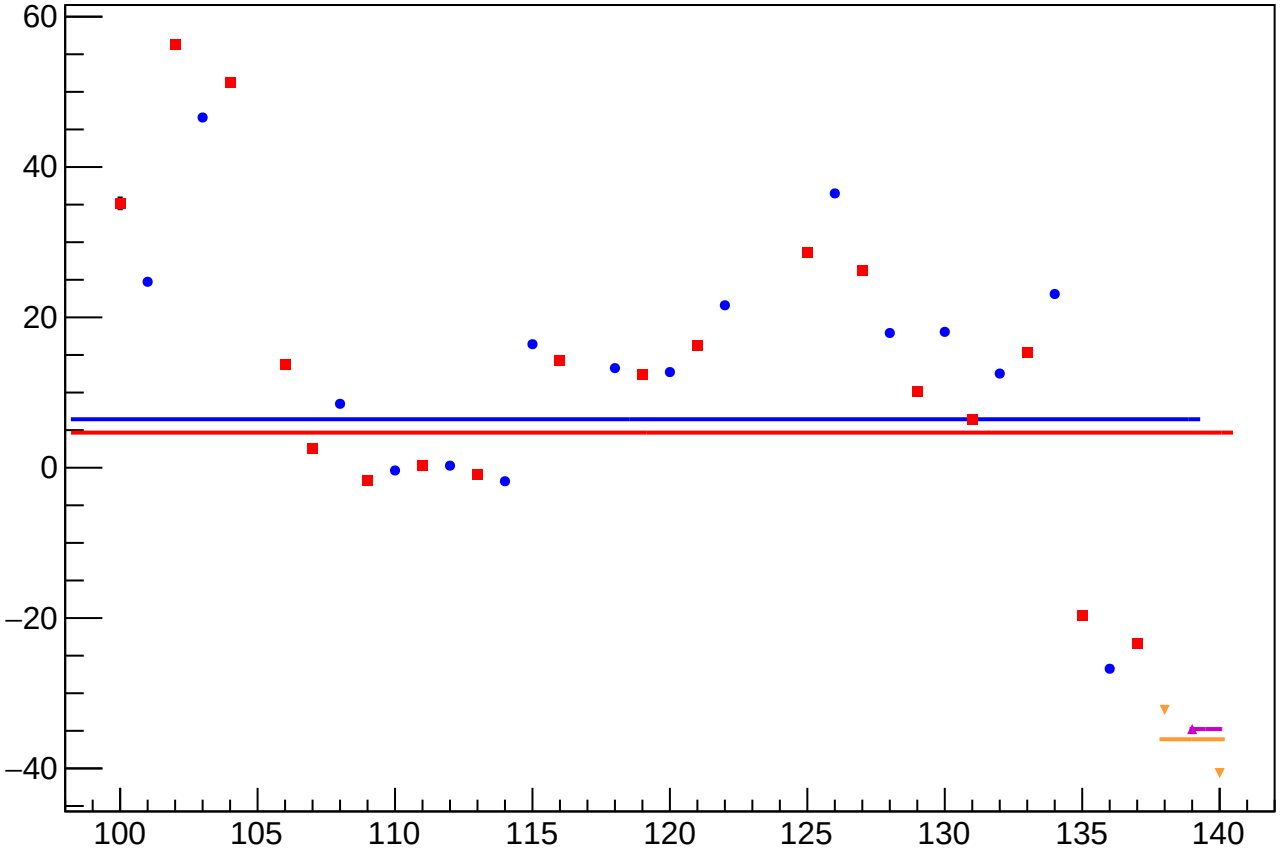
Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.876+/-0.059 χ^2/NDF:3302.2/16

Out: 0.862+/-0.053 χ^2/NDF:1652.6/19

All: 0.868+/-0.040 χ^2/NDF: 4954.8/36

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -36.123+/-0.154 χ^2/NDF:738.7/1

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -34.761+/-0.205 χ^2/NDF:0.0/0

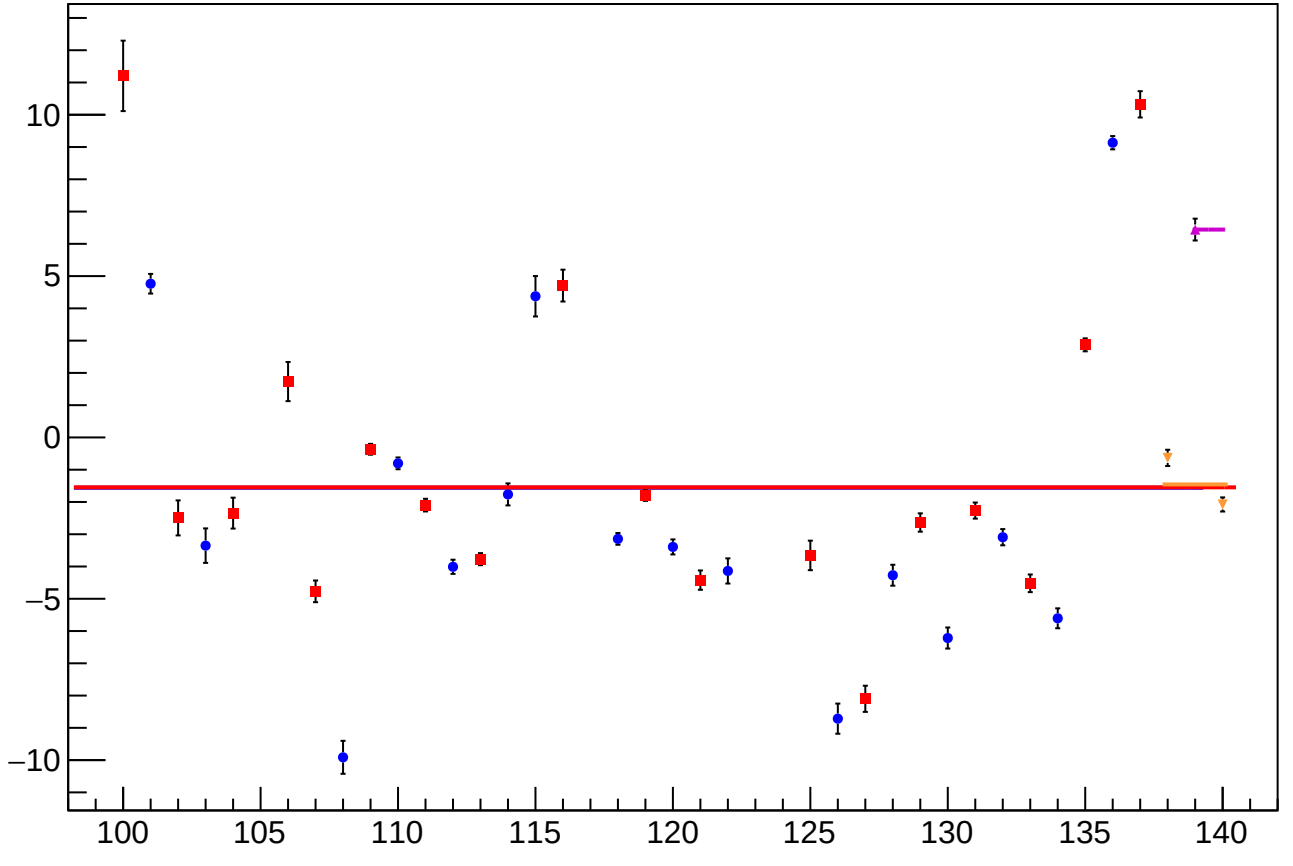
Left: -35.630+/-0.123 χ^2/NDF: 767.0/2

Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: 2.680+/-0.062 χ^2/NDF:107697.2/16

Out: -0.542+/-0.055 χ^2/NDF:136226.4/19

All: 0.884+/-0.041 χ^2/NDF: 245435.7/36



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.457+/-0.165 χ^2/NDF:18.7/1

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 6.442+/-0.338 χ^2/NDF:0.0/0

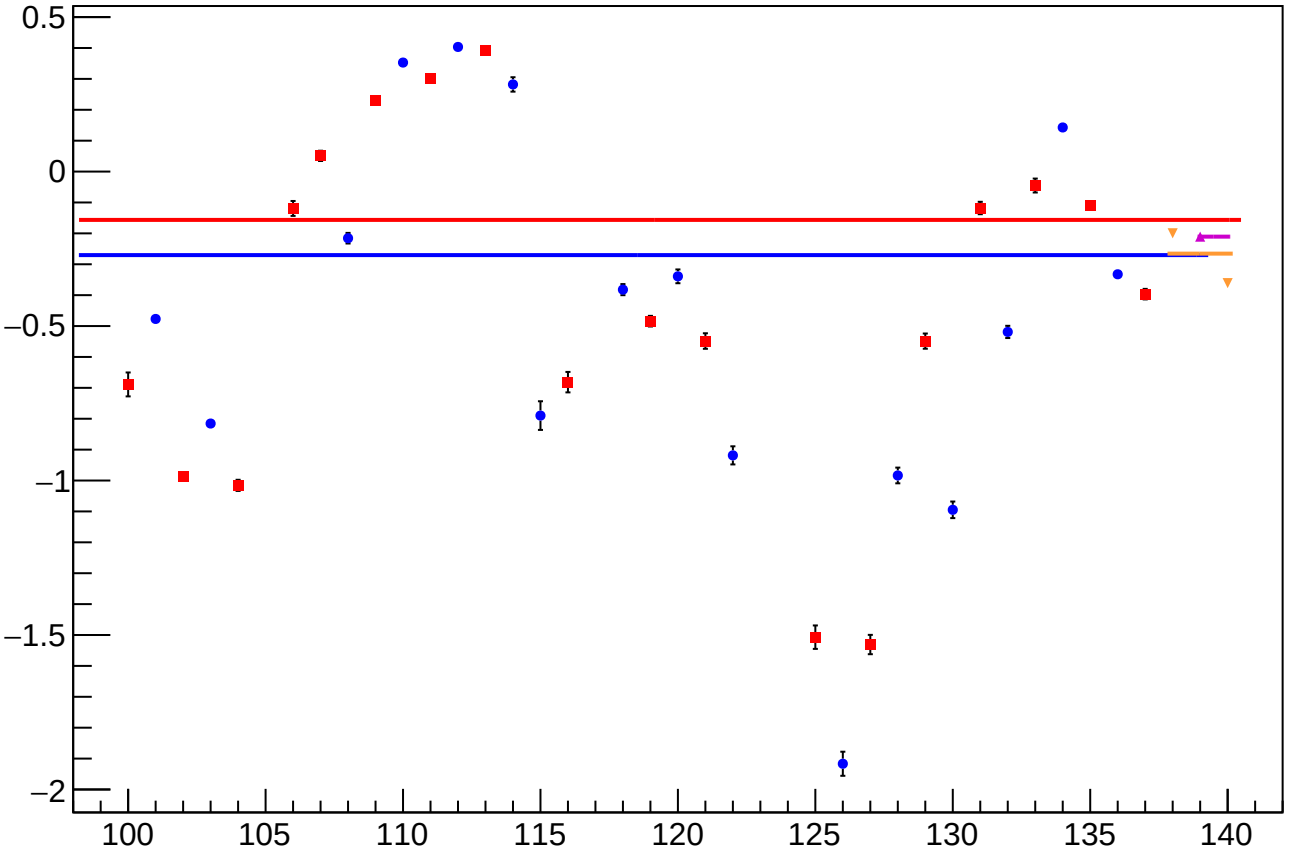
Left: 0.063+/-0.148 χ^2/NDF: 458.7/2

Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.237+/-0.068 χ^2/NDF:5079.6/16

Out: -1.535+/-0.060 χ^2/NDF:2489.0/19

All: -1.404+/-0.045 χ^2/NDF: 7579.5/36



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.266+/-0.006 χ^2/NDF:159.5/1

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.211+/-0.007 χ^2/NDF:0.0/0

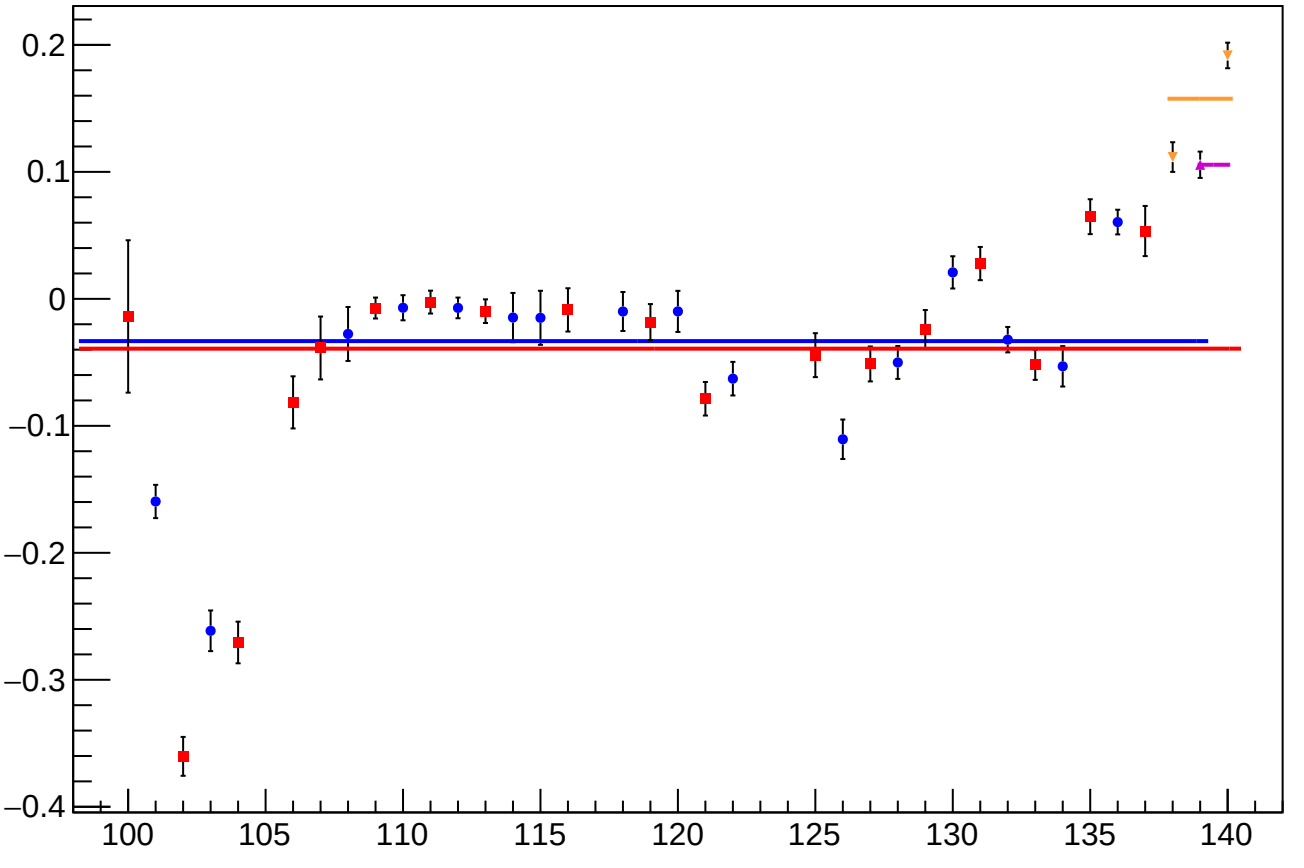
Left: -0.242+/-0.005 χ^2/NDF: 192.3/2

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.256+/-0.004 χ^2/NDF:12147.9/16

Out: -0.186+/-0.003 χ^2/NDF:15411.2/19

All: -0.217+/-0.002 χ^2/NDF: 27769.0/36



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.158+/-0.008 χ^2/NDF:26.9/1

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.106+/-0.010 χ^2/NDF:0.0/0

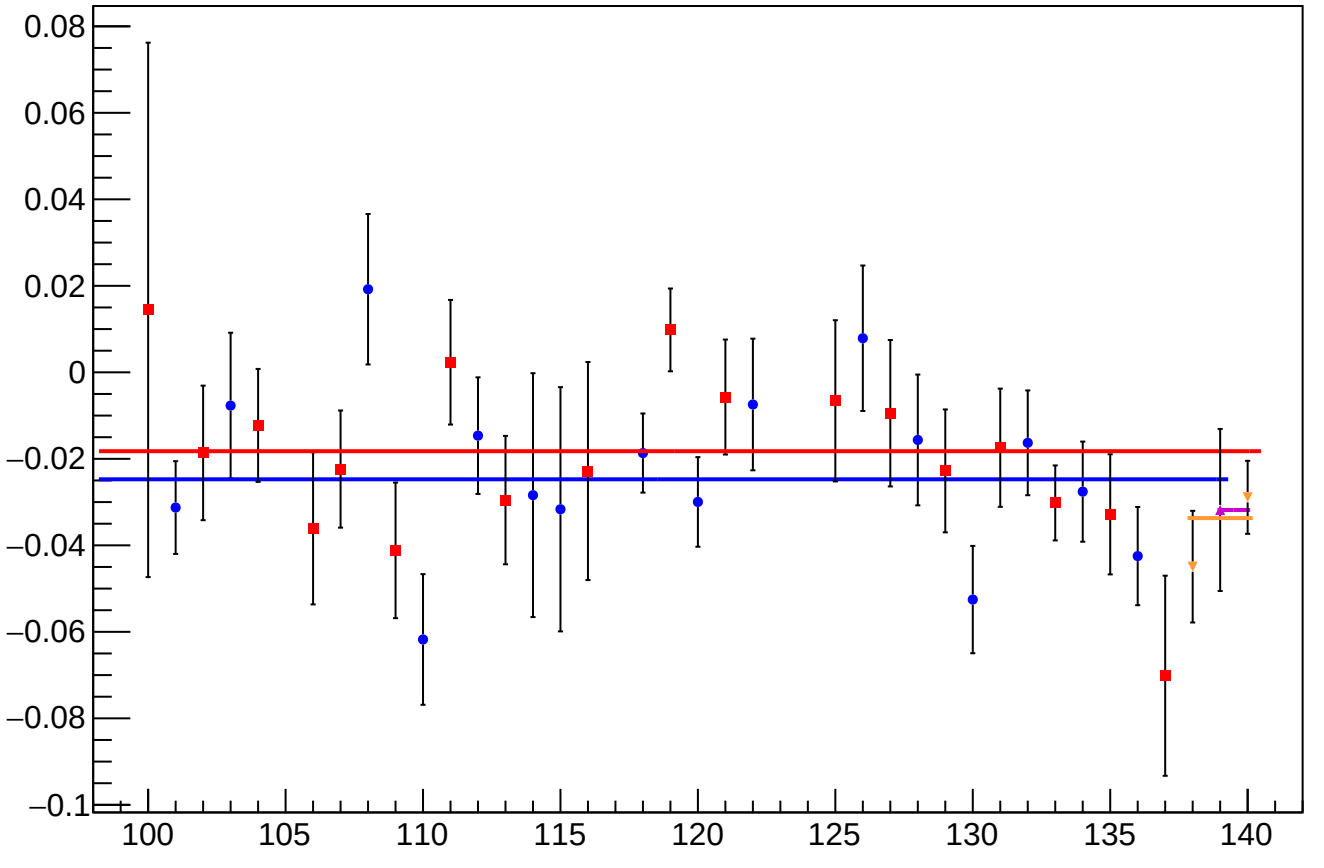
Left: 0.139+/-0.006 χ^2/NDF: 43.3/2

Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.021+/-0.003 χ^2/NDF:627.5/16

Out: -0.010+/-0.003 χ^2/NDF:1401.6/19

All: -0.015+/-0.002 χ^2/NDF: 2035.9/36



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.034+/-0.007 χ^2/NDF:1.1/1

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.032+/-0.019 χ^2/NDF:0.0/0

Left: -0.033+/-0.007 χ^2/NDF: 1.1/2

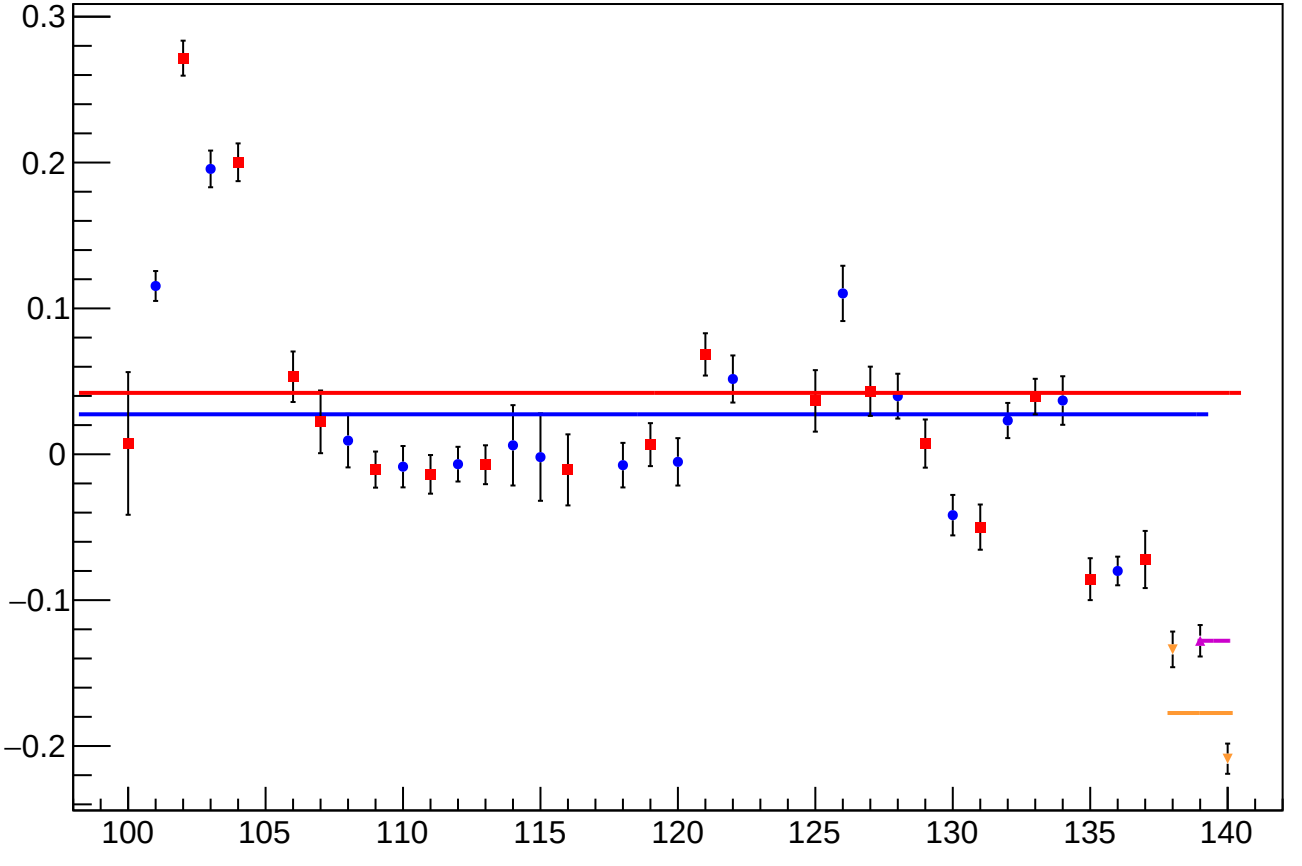
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.025+/-0.003 χ^2/NDF:28.7/16

Out: -0.021+/-0.003 χ^2/NDF:29.7/19

All: -0.023+/-0.002 χ^2/NDF: 59.1/36

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.177+/-0.008 χ^2/NDF:21.9/1

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.128+/-0.011 χ^2/NDF:0.0/0

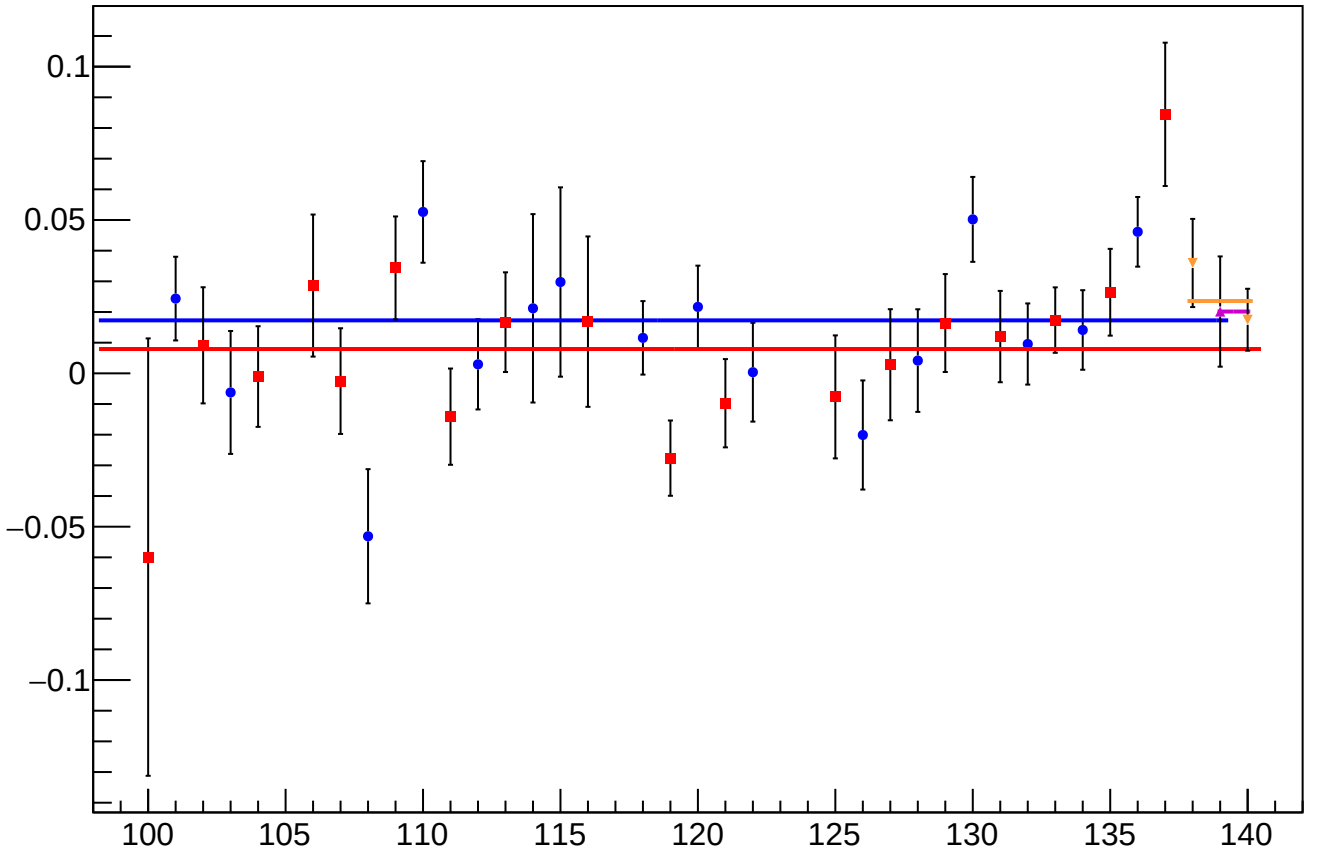
Left: -0.160+/-0.006 χ^2/NDF: 35.6/2

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: 0.012+/-0.003 χ^2/NDF:632.8/16

Out: 0.004+/-0.003 χ^2/NDF:1392.0/19

All: 0.008+/-0.002 χ^2/NDF: 2028.0/36



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.024+/-0.008 χ^2/NDF:1.1/1

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.020+/-0.018 χ^2/NDF:0.0/0

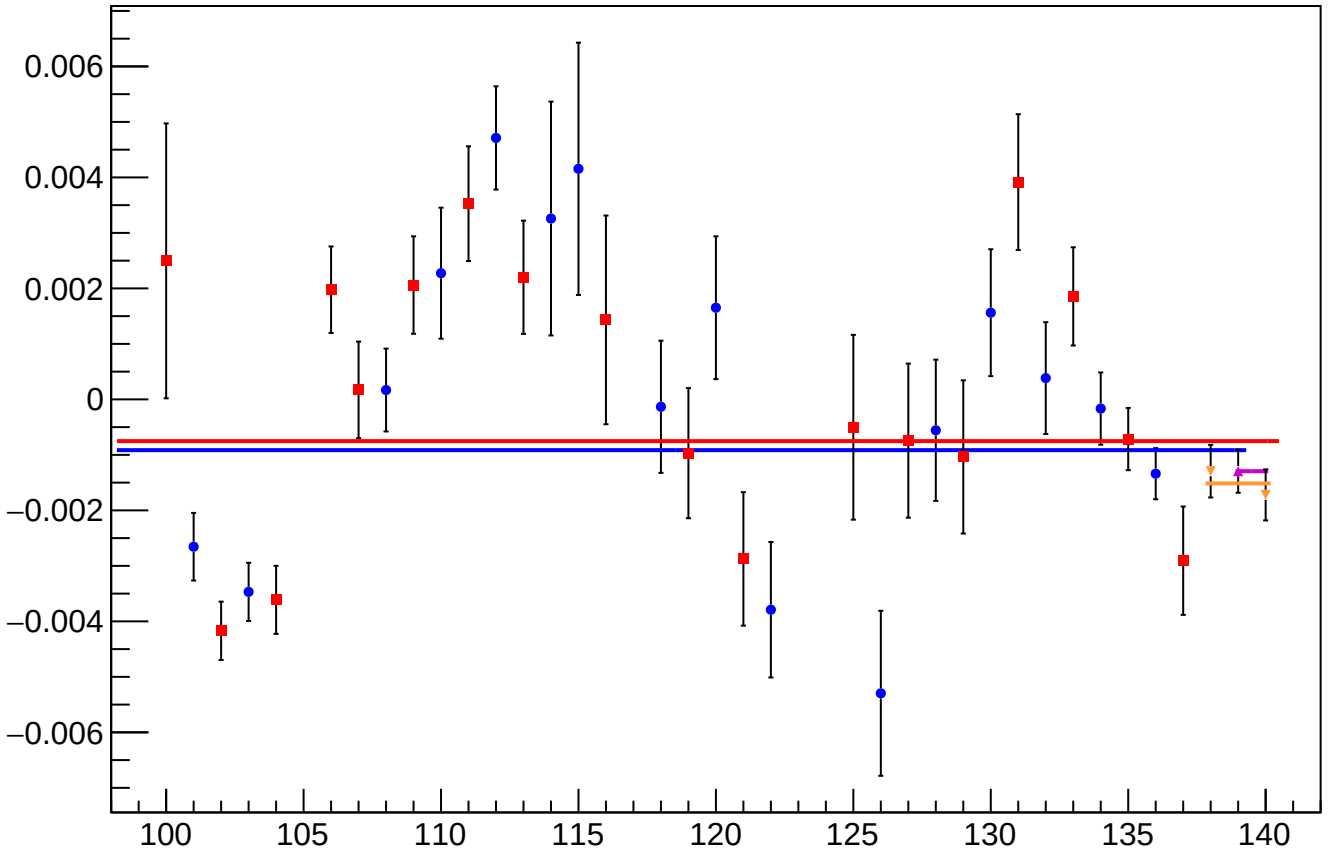
Left: 0.023+/-0.008 χ^2/NDF: 1.1/2

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.017+/-0.004 χ^2/NDF:36.7/16

Out: 0.011+/-0.004 χ^2/NDF:35.4/19

All: 0.014+/-0.003 χ^2/NDF: 73.8/36



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.002+/-0.000 χ^2/NDF:0.4/1

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.001+/-0.000 χ^2/NDF:0.0/0

Left: -0.001+/-0.000 χ^2/NDF: 0.6/2

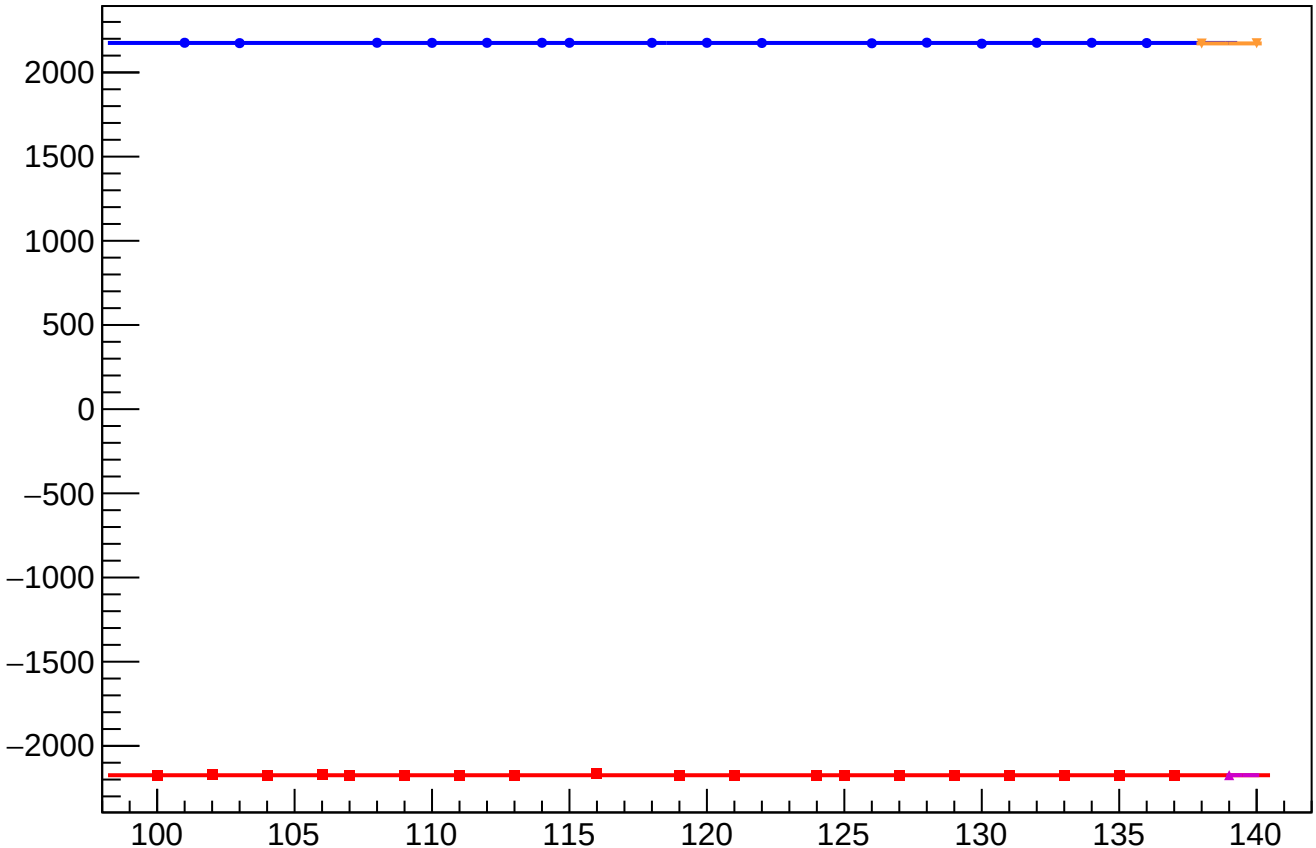
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:114.8/16

Out: -0.001+/-0.000 χ^2/NDF:151.8/19

All: -0.001+/-0.000 χ^2/NDF: 266.6/36

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2172.424+/-0.000 χ^2/NDF:1107588993310133601346520046632 96.0/1

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2173.764+/-0.000 χ^2/NDF:0.0/0

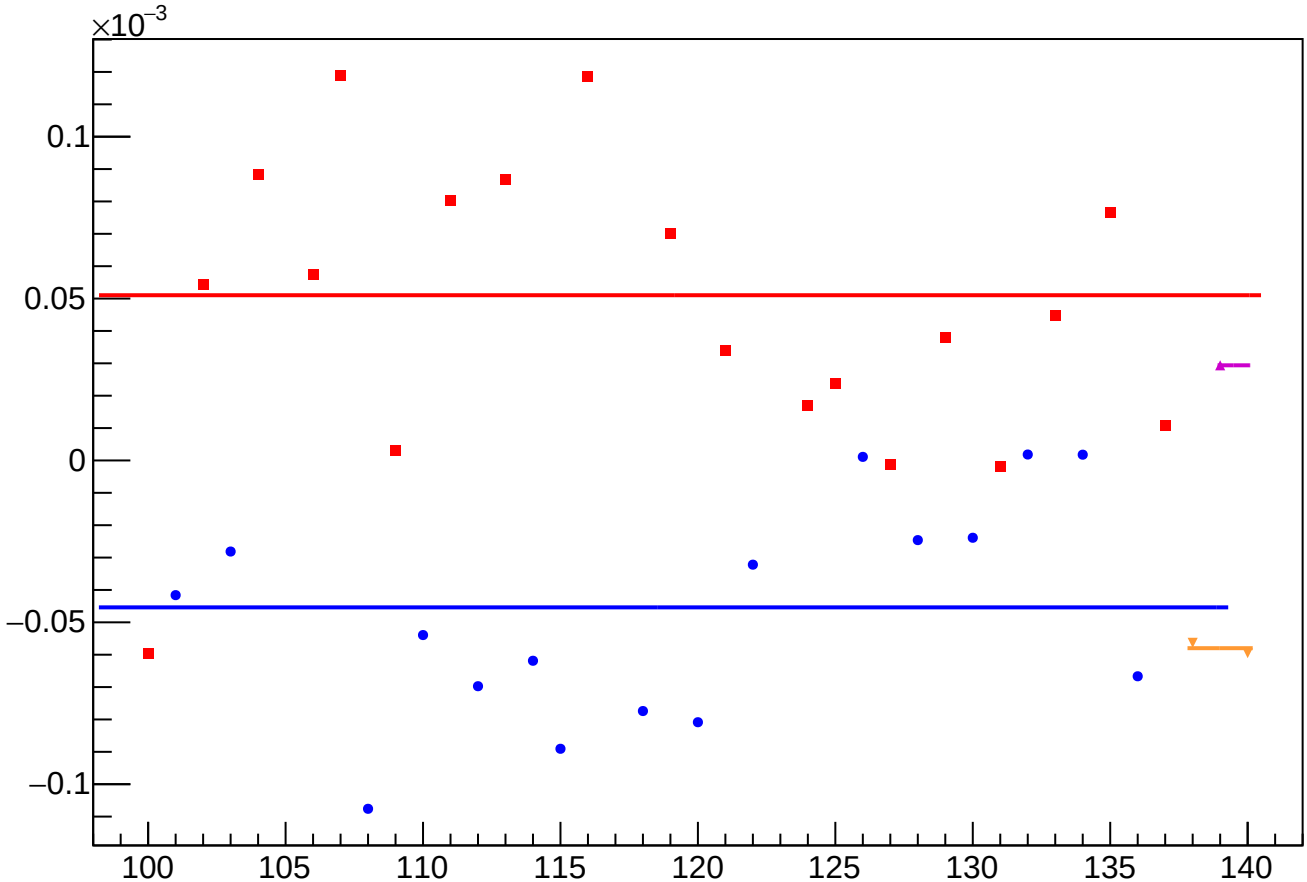
Left: 723.695+/-0.000 χ^2/NDF: 1057804014205484

Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

In: 1732.397+/-0.000 χ^2/NDF:1426973709859610

Out: -1389.948+/-0.000 χ^2/NDF:2601441327563 8

All: 76.985+/-0.000 χ^2/NDF: 8292649091340



Right In: -0.000+/-0.000 χ^2/NDF: 713132081378122377723904.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:427426513688575082496.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 10119559107206471011532800.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.000+/-0.000 χ^2/NDF: 42791598592172469

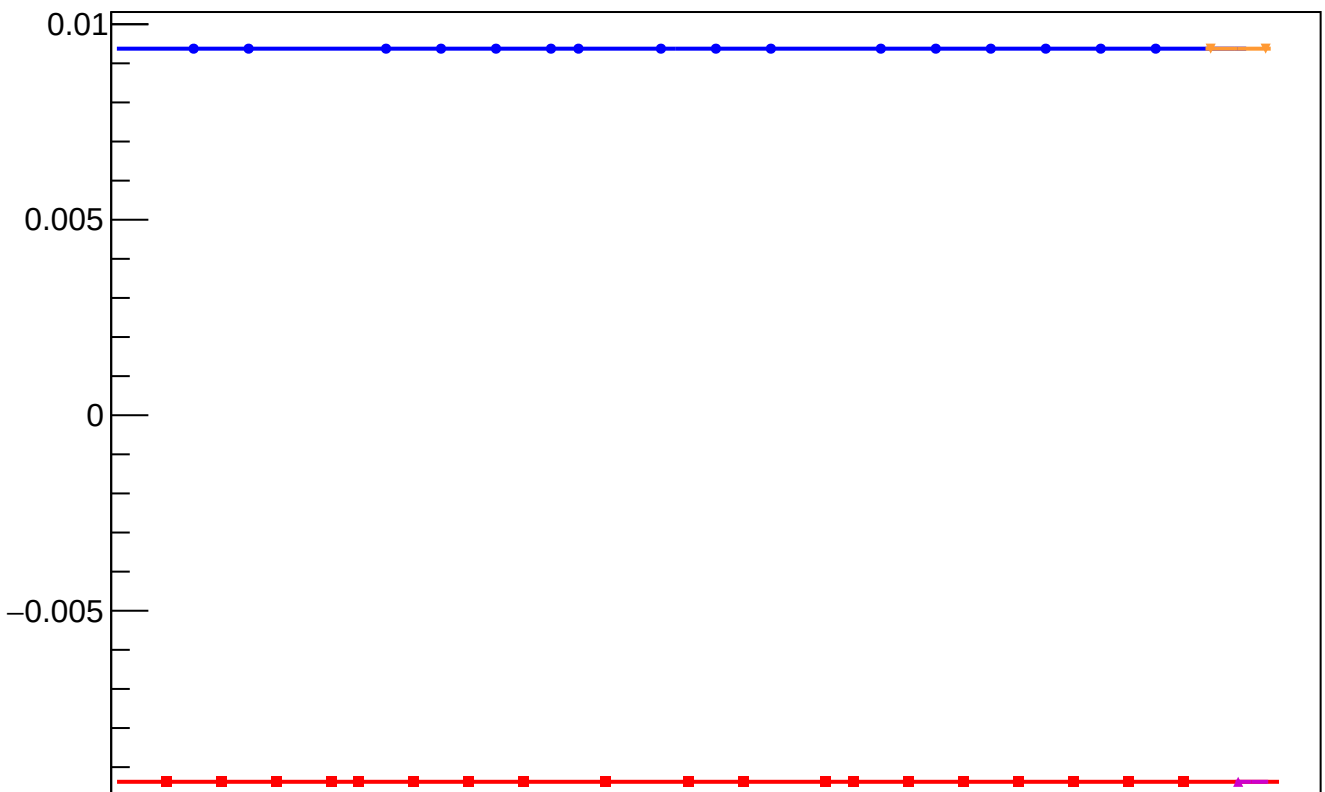
Right: 0.000+/-0.000 χ^2/NDF: 52193568733401849

In: -0.000+/-0.000 χ^2/NDF:113486360440021191

Out: 0.000+/-0.000 χ^2/NDF:264876353005822658

All: -0.000+/-0.000 χ^2/NDF: 5873763723563

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 196874999999999376

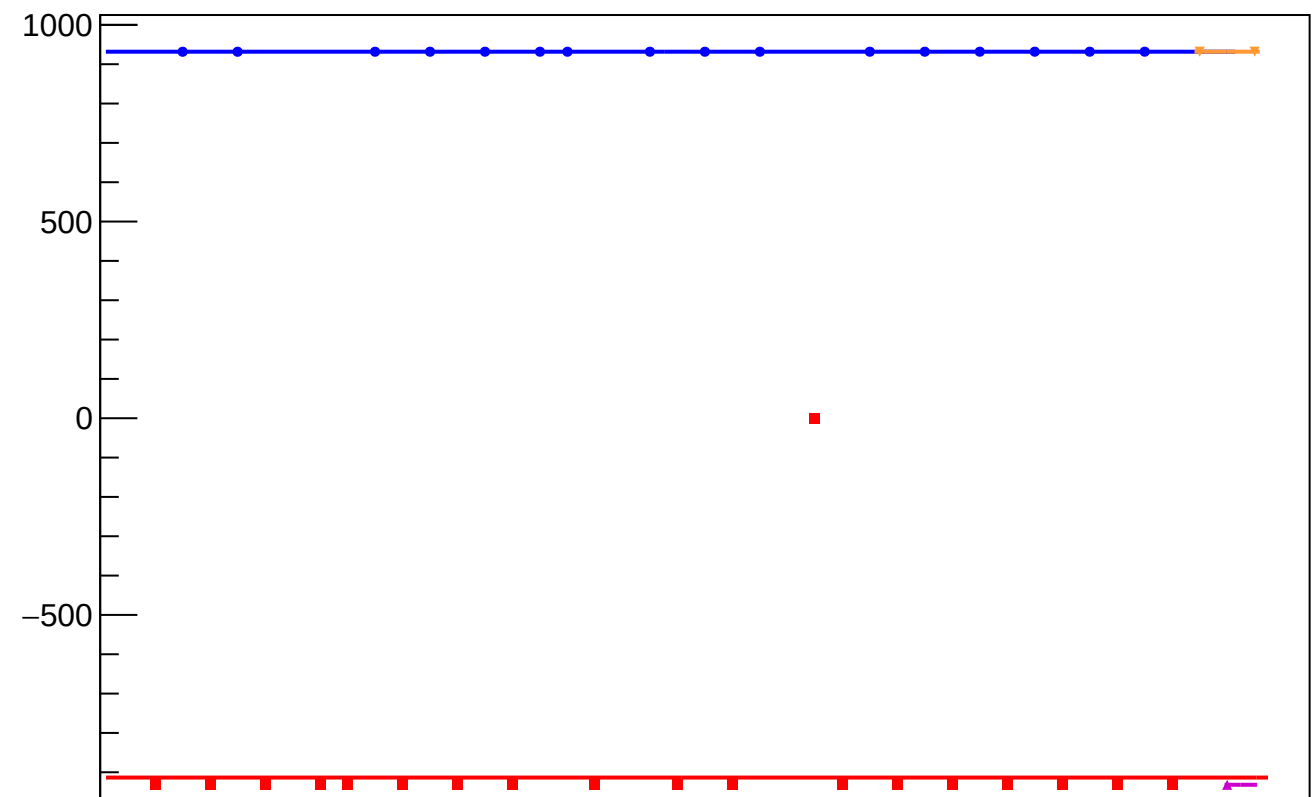
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.007+/-0.000 χ^2/NDF:2652443181818177701

Out: -0.006+/-0.000 χ^2/NDF:48404605263157808

All: 0.000+/-0.000 χ^2/NDF: 15414353911588

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.871+/-0.000 χ^2/NDF:1222796578709424273038822604 8.0/1

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.868+/-0.000 χ^2/NDF:0.0/0

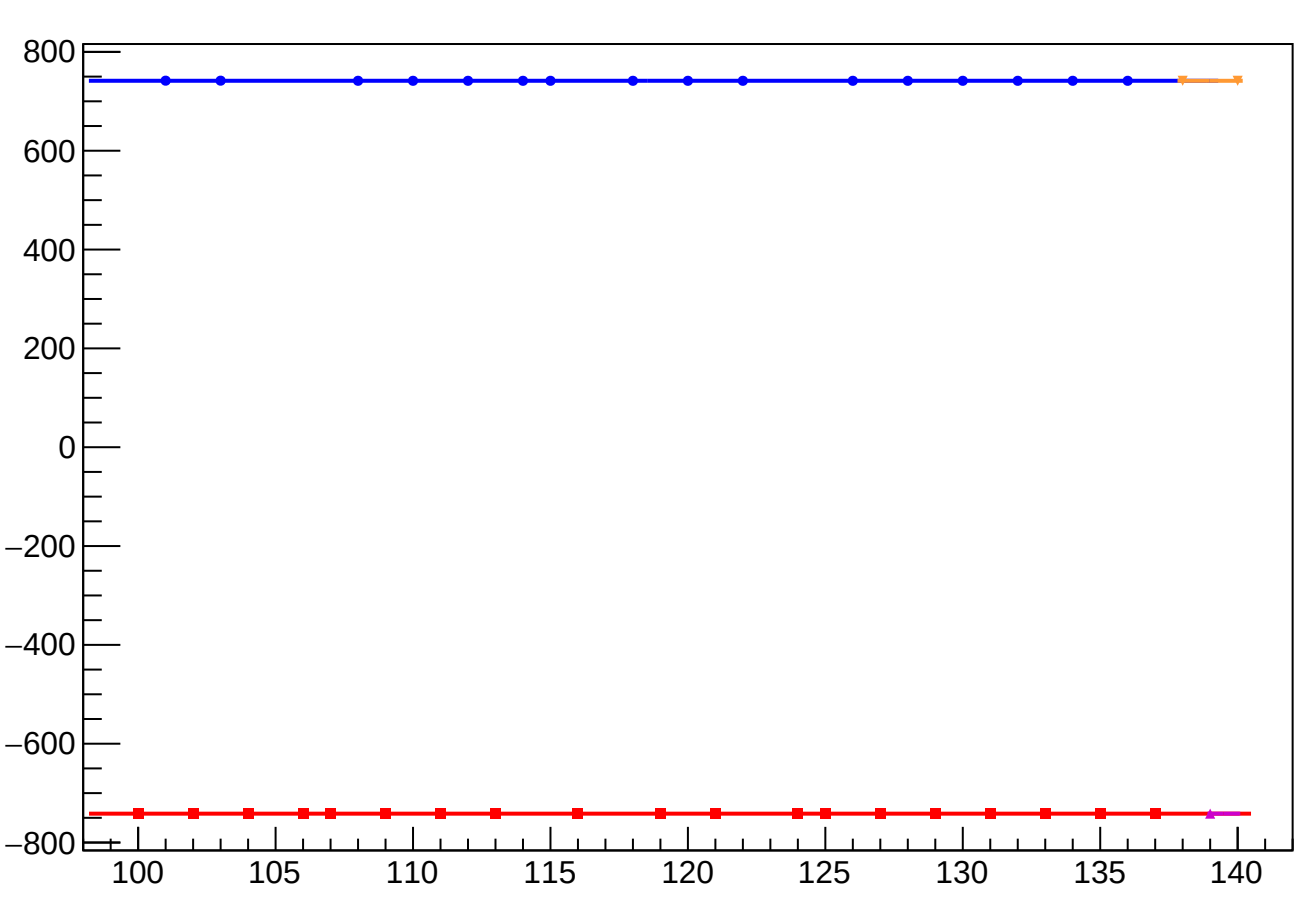
Left: 310.625+/-0.000 χ^2/NDF: 1945173721756893

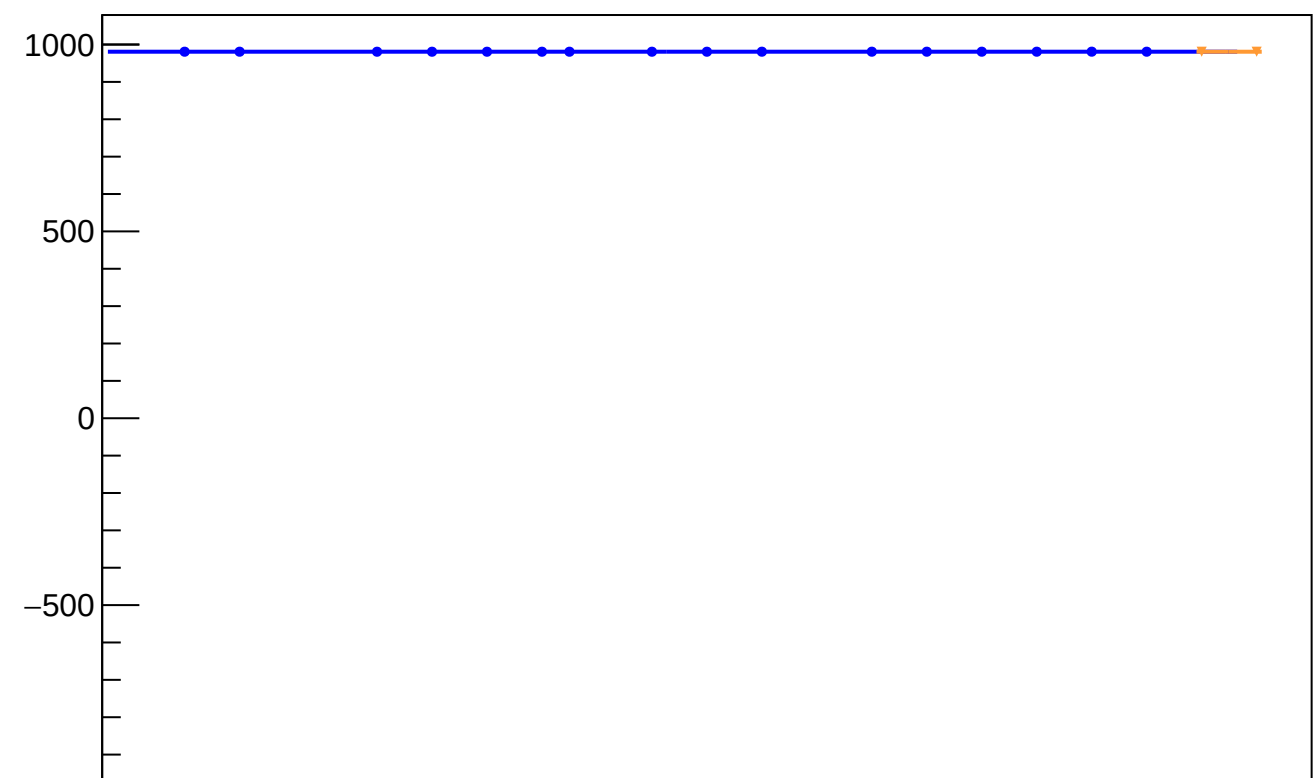
Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: 742.017+/-0.000 χ^2/NDF:2620392462700572

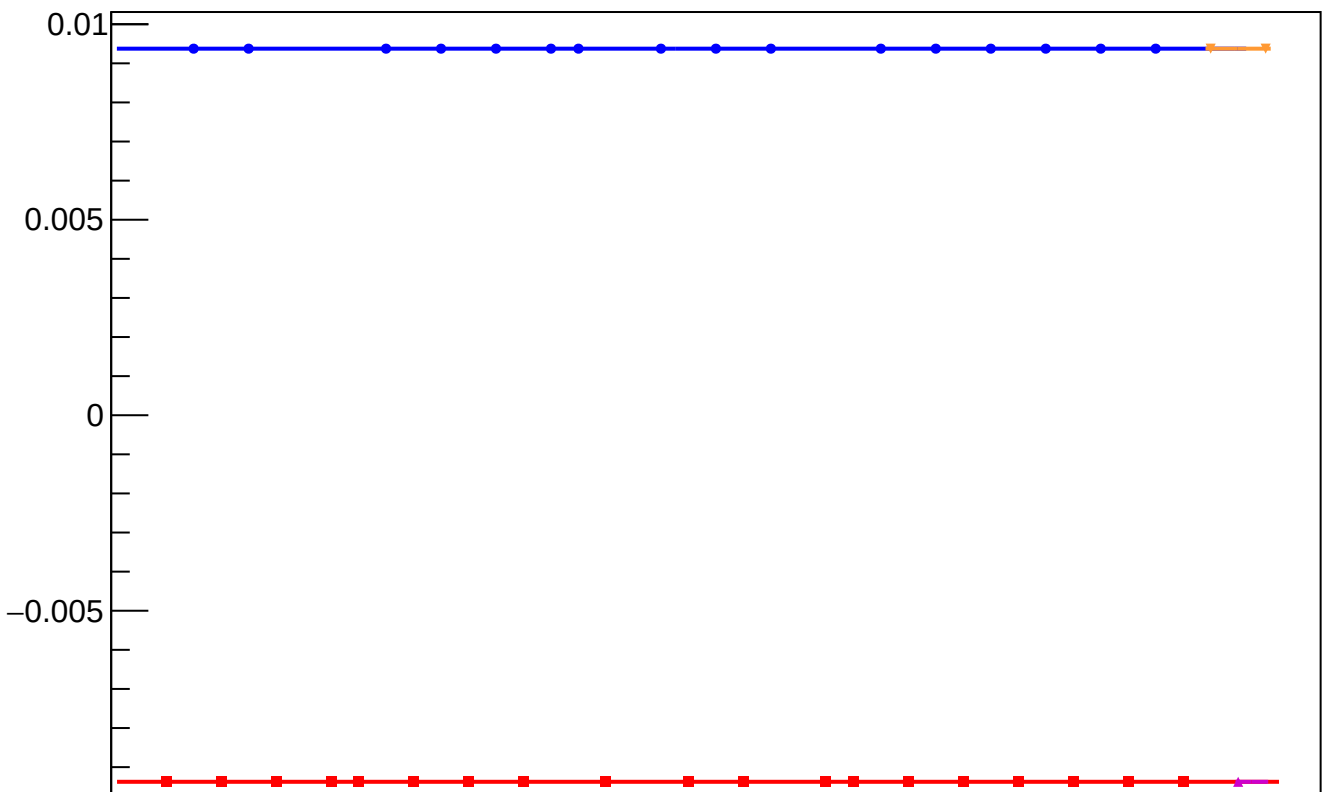
Out: -580.457+/-0.000 χ^2/NDF:481608011744829

All: 40.865+/-0.000 χ^2/NDF: 150863275746


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
105
110
115
120
125
130
135
140
Right In: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Left Out: 741.524+/-0.000 χ²/NDF:308550455613431814854331596 8.0/1
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761561 6.0/18
Left In: -741.523+/-0.000 χ²/NDF:0.0/0
Left: 247.175+/-0.000 χ²/NDF: 1231680076419237
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
In: 590.563+/-0.000 χ²/NDF:1659509947503347
Out: -473.950+/-0.000 χ²/NDF:302848429290958
All: 26.177+/-0.000 χ²/NDF: 964455931988


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
105
110
115
120
125
130
135
140
Right In: 980.804+/-0.000 χ²/NDF: 9333132768848077867742459330560/15
Left Out: 980.761+/-0.000 χ²/NDF:1447455080100060523032215552.0/1
Right Out: -980.725+/-0.000 χ²/NDF: 560402056173583362216628762705920/18
Left In: -980.761+/-0.000 χ²/NDF:0.0/0
Left: 326.921+/-0.000 χ²/NDF: 2154638508924096
Right: -14.307+/-0.000 χ²/NDF: 144638600880856
In: 781.081+/-0.000 χ²/NDF:29030118942460858
Out: -626.772+/-0.000 χ²/NDF:529730028004709
All: 34.662+/-0.000 χ²/NDF: 1686980949171

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 196874999999999376

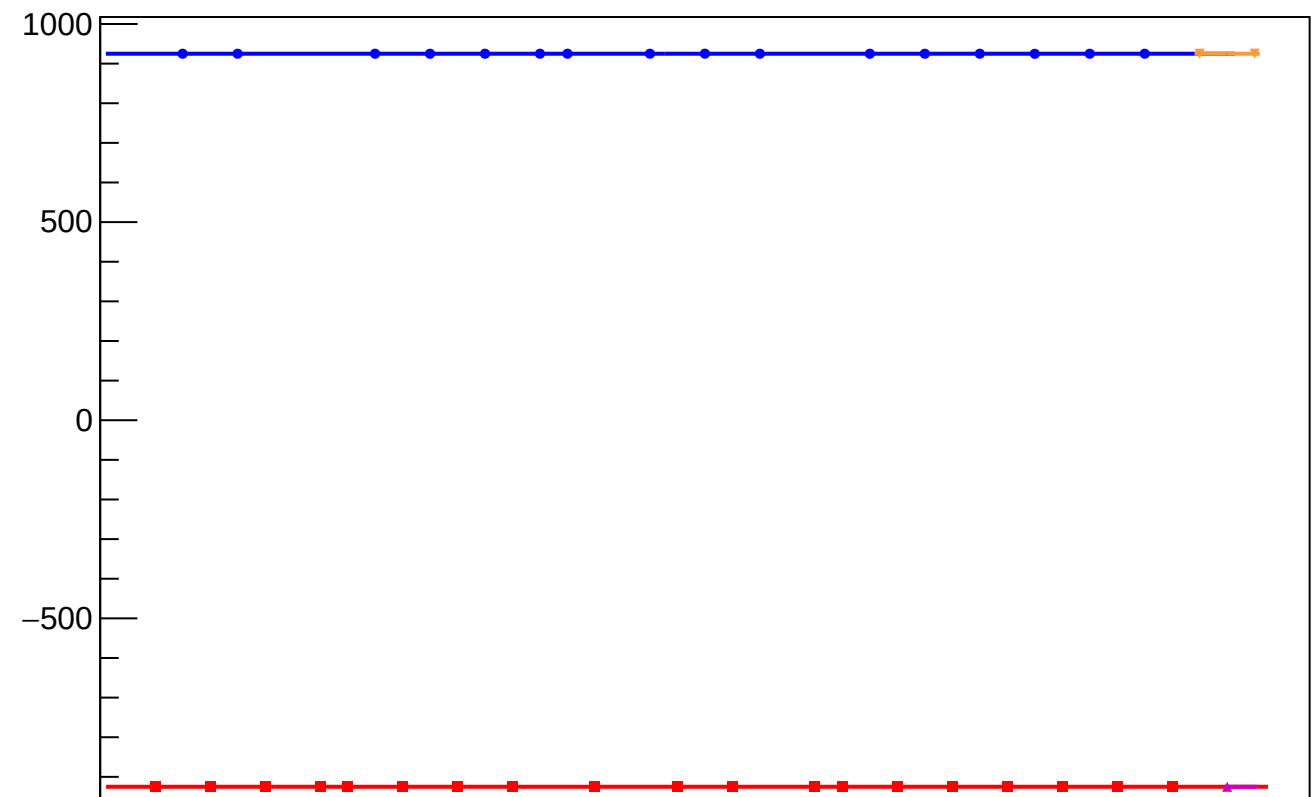
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.007+/-0.000 χ^2/NDF:2652443181818177701

Out: -0.006+/-0.000 χ^2/NDF:48404605263157808

All: 0.000+/-0.000 χ^2/NDF: 15414353911588

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.977+/-0.000 χ^2/NDF:5679155044776023492626114150 4.0/1

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.982+/-0.000 χ^2/NDF:0.0/0

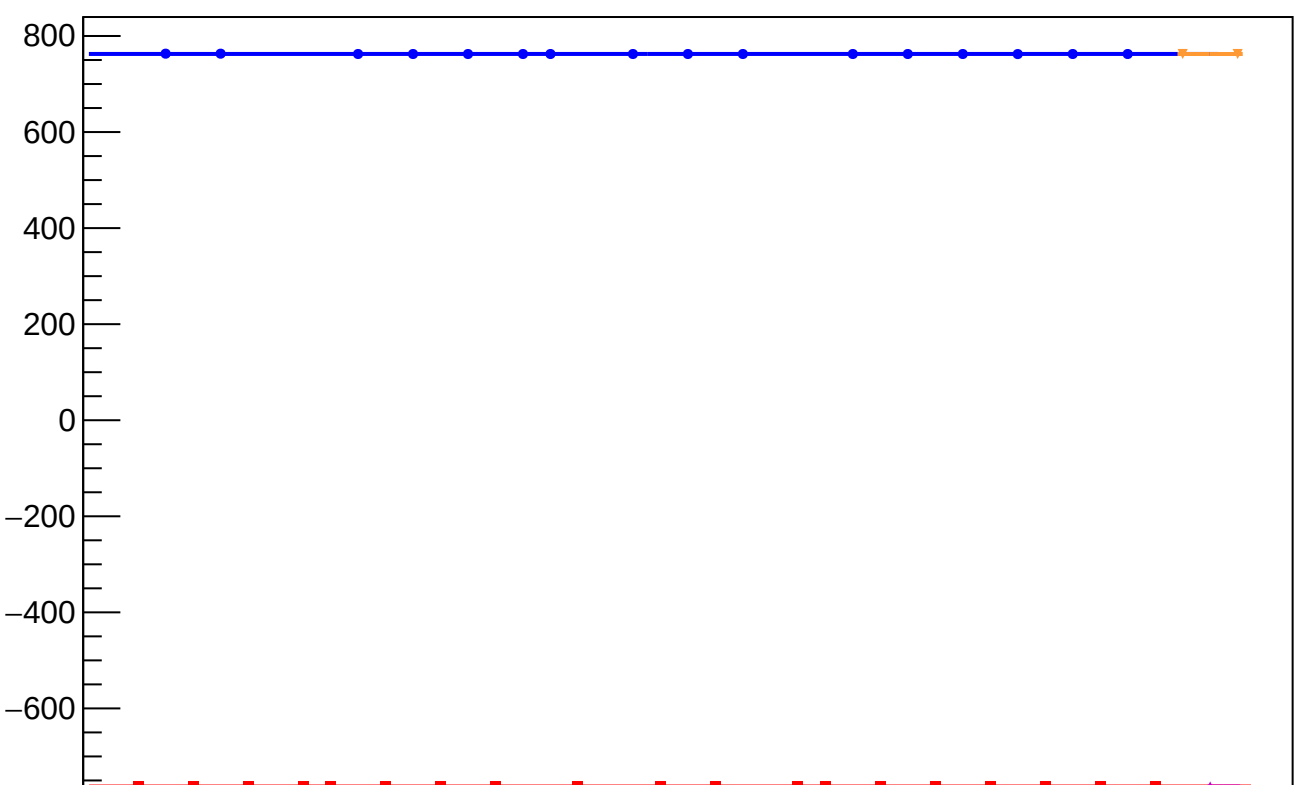
Left: 308.324+/-0.000 χ^2/NDF: 1916513829876784

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: 736.608+/-0.000 χ^2/NDF:2582037900237160

Out: -591.148+/-0.000 χ^2/NDF:471199057690845

All: 32.655+/-0.000 χ^2/NDF: 150051192519



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.493+/-0.000 χ^2/NDF:914886522788884145514741760 0.0/1

Right Out: -762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374886 4.0/18

Left In: -762.497+/-0.000 χ^2/NDF:0.0/0

Left: 254.163+/-0.000 χ^2/NDF: 1302332447951849

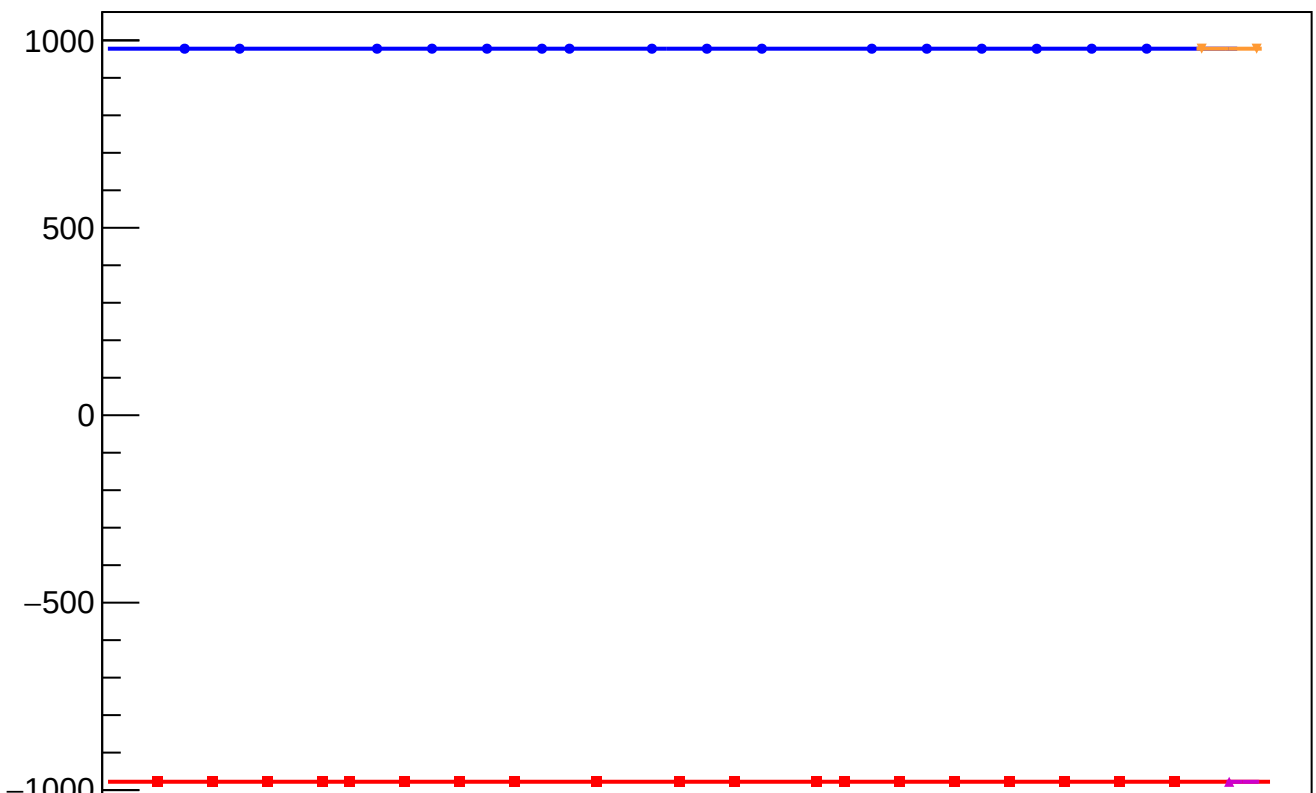
Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

In: 607.327+/-0.000 χ^2/NDF:17548679744828502

Out: -487.410+/-0.000 χ^2/NDF:320248593418241

All: 26.917+/-0.000 χ^2/NDF: 1019937480533

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.781+/-0.000 χ^2/NDF:2558440852014624261612366725120.0/1

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: -977.840+/-0.000 χ^2/NDF:0.0/0

Left: 325.908+/-0.000 χ^2/NDF: 2141695282661304

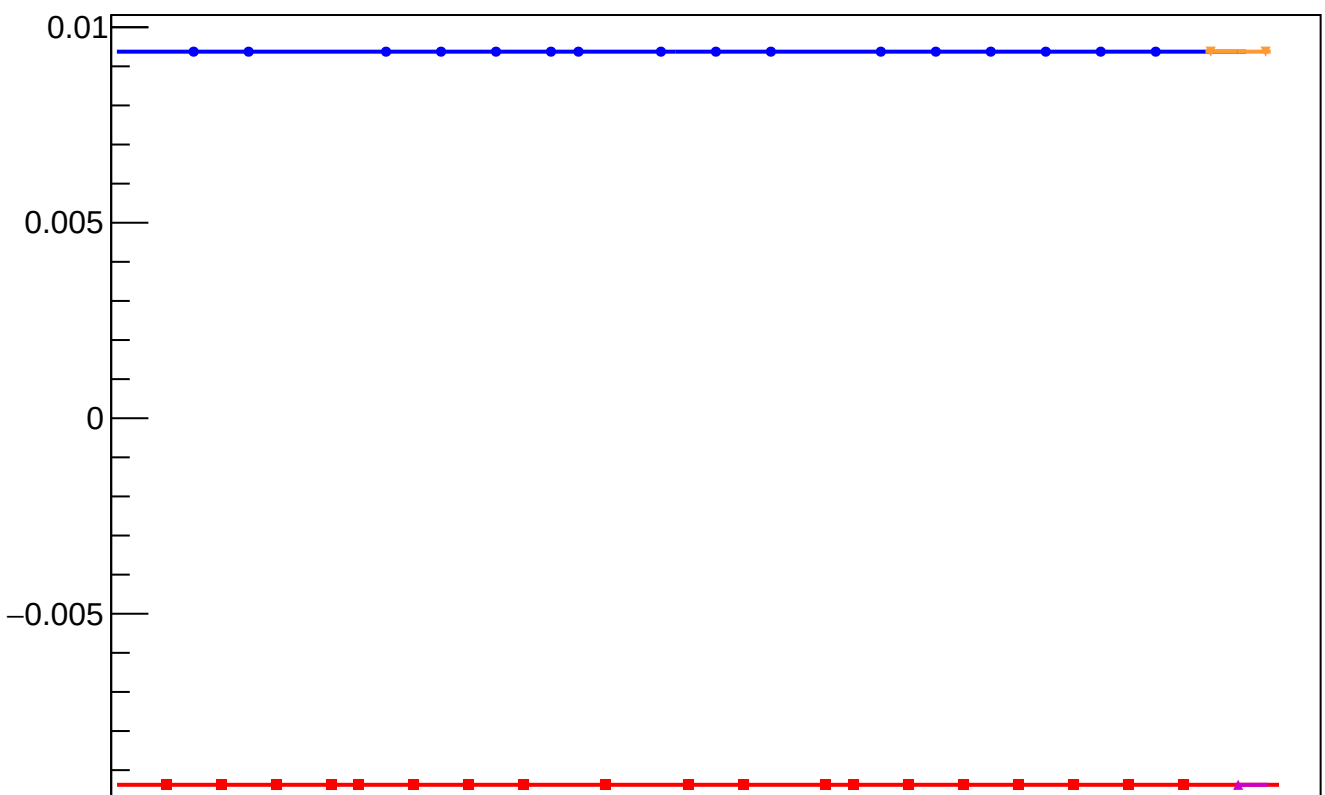
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: 778.635+/-0.000 χ^2/NDF:28853524198606333

Out: -624.870+/-0.000 χ^2/NDF:526517197103014

All: 34.521+/-0.000 χ^2/NDF: 167665460684

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/0

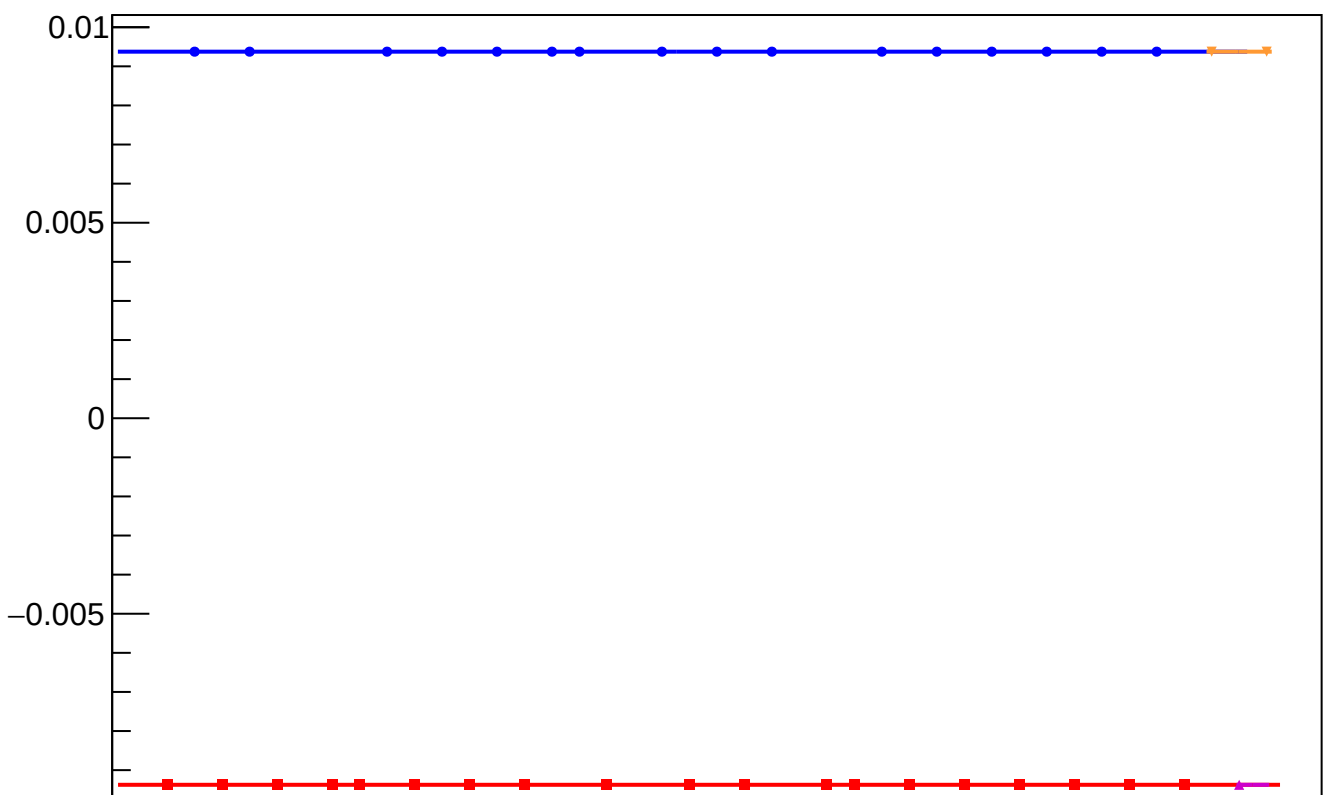
Left: 0.003+/-0.000 χ^2/NDF: 196874999999999376

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.007+/-0.000 χ^2/NDF:2652443181818177701

Out: -0.006+/-0.000 χ^2/NDF:48404605263157808

All: 0.000+/-0.000 χ^2/NDF: 15414353911588



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 196874999999999376

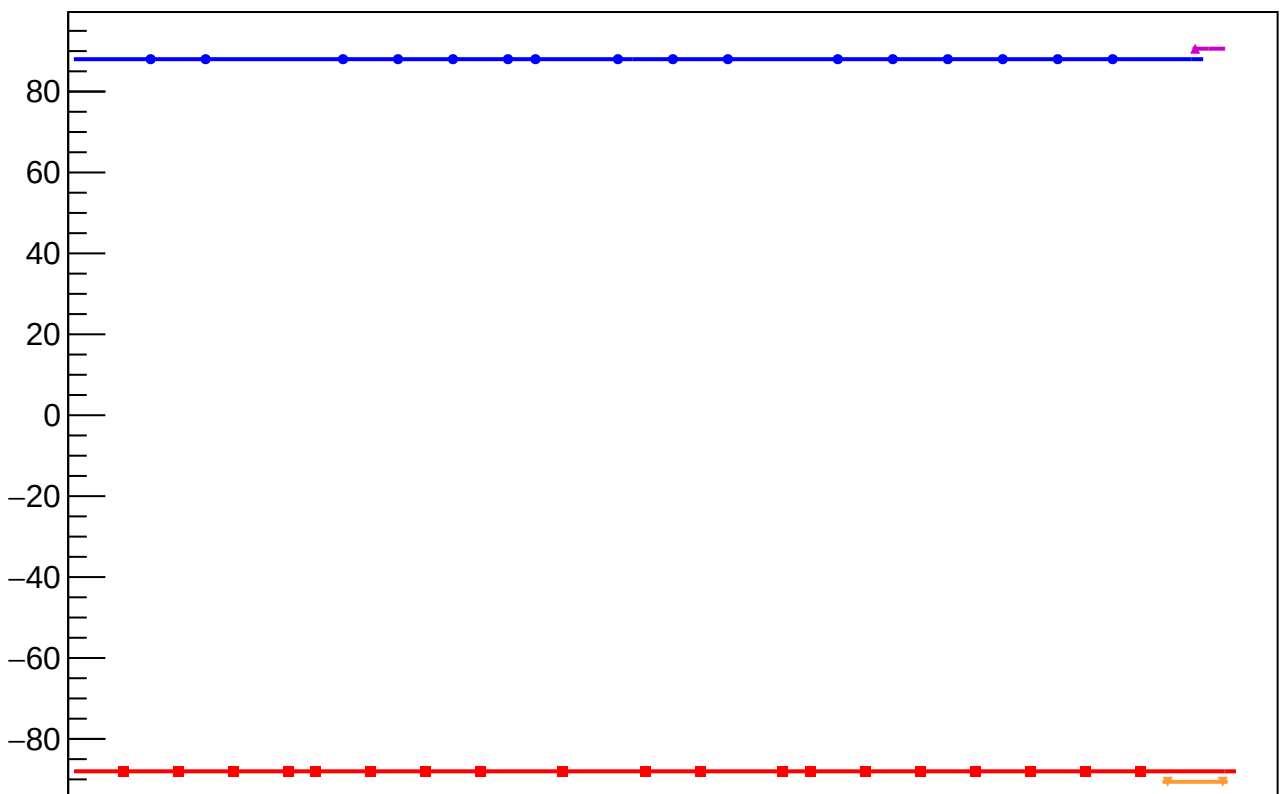
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.007+/-0.000 χ^2/NDF:2652443181818177701

Out: -0.006+/-0.000 χ^2/NDF:48404605263157808

All: 0.000+/-0.000 χ^2/NDF: 15414353911588

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:70278.0/1

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:0.0/0

Left: -30.200+/-0.000 χ^2/NDF: 1838644101110736

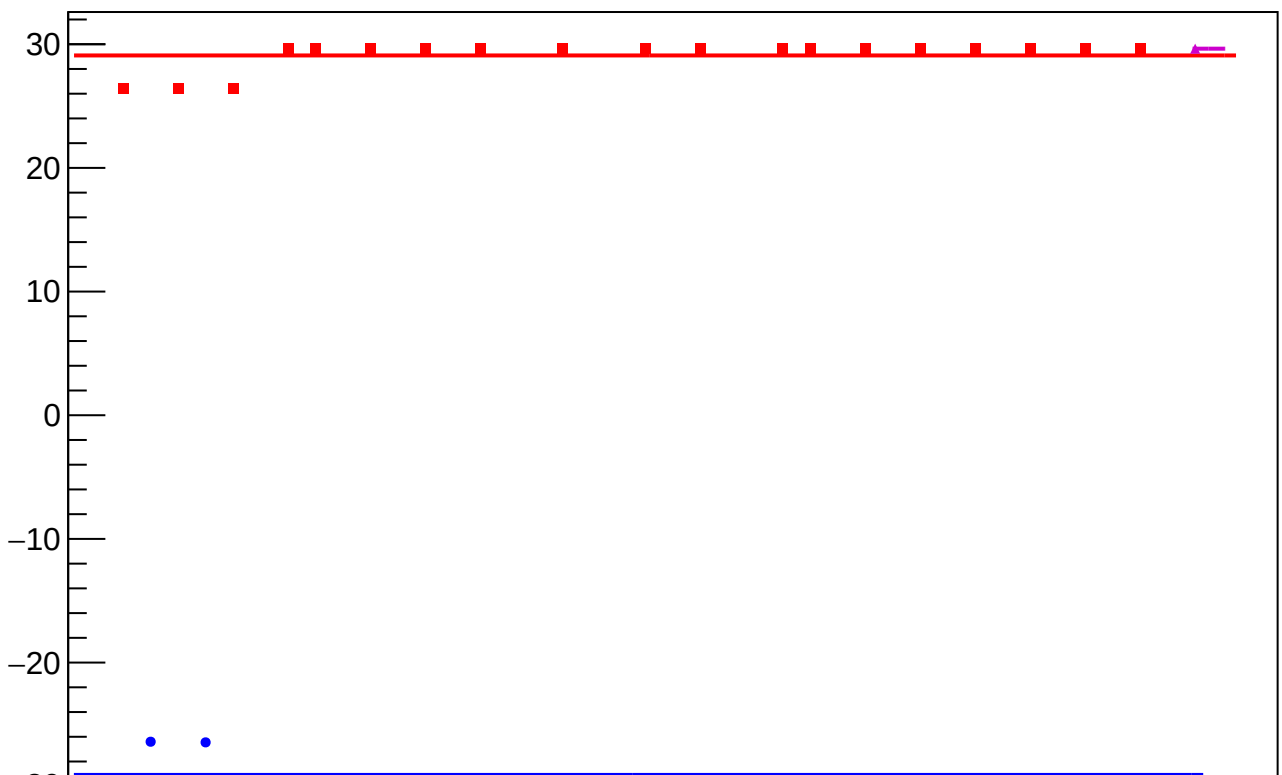
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 88.265+/-0.000 χ^2/NDF:509472004654398019

Out: -88.472+/-0.000 χ^2/NDF:9278783146798677

All: -5.438+/-0.000 χ^2/NDF: 1366407943102

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:2120.5/1

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: 29.641+/-0.000 χ^2/NDF:0.0/0

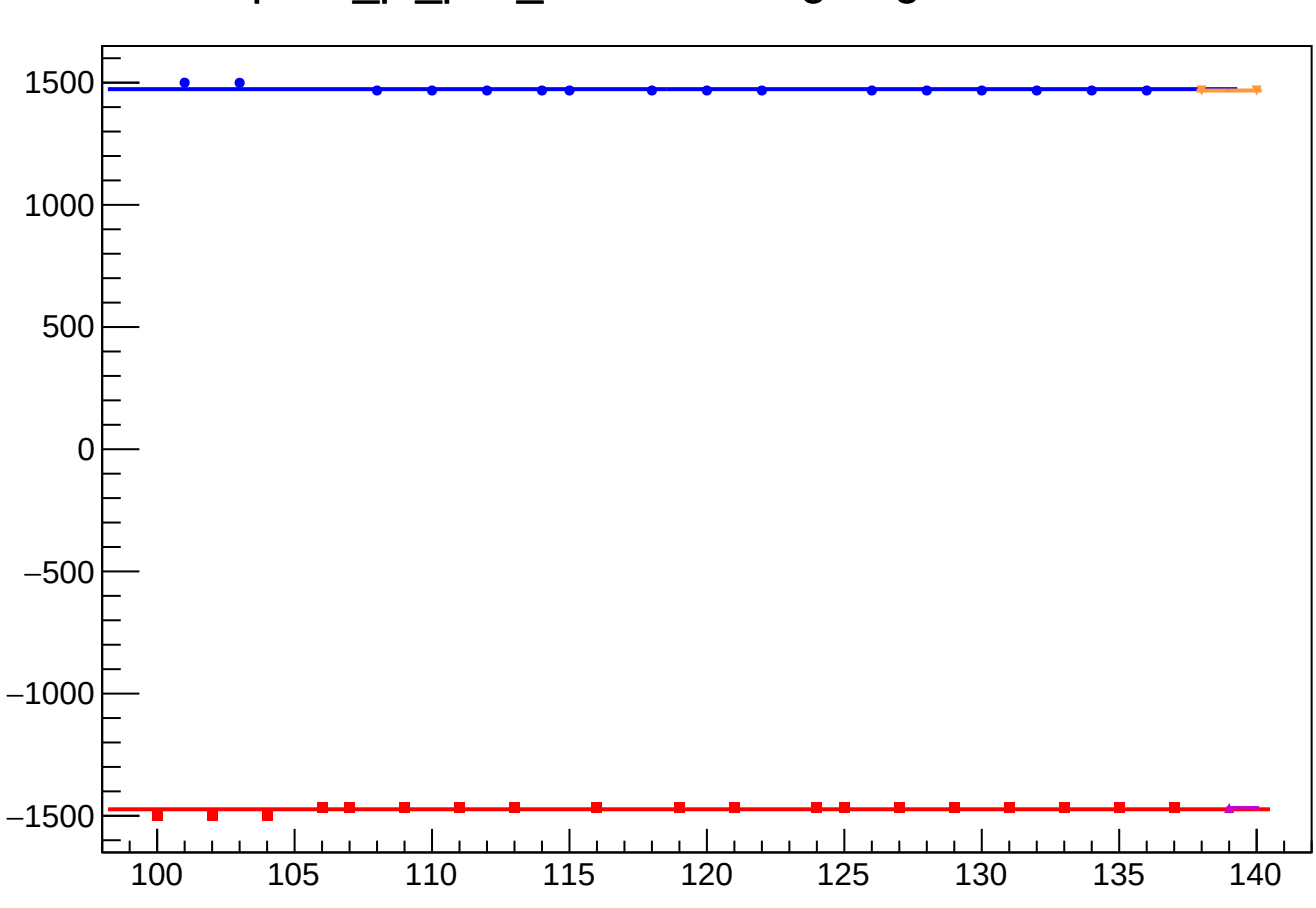
Left: -9.880+/-0.000 χ^2/NDF: 19679996711074139

Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

In: -23.106+/-0.000 χ^2/NDF:26129353654595245

Out: 18.494+/-0.000 χ^2/NDF:47608595833983685

All: -1.050+/-0.000 χ^2/NDF: 1494341018132



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477 1584.0/15

Left Out: 1467.979+/-0.000 χ^2/NDF:55679595.0/1

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.979+/-0.000 χ^2/NDF:0.0/0

Left: 489.326+/-0.000 χ^2/NDF: 4827117603960110

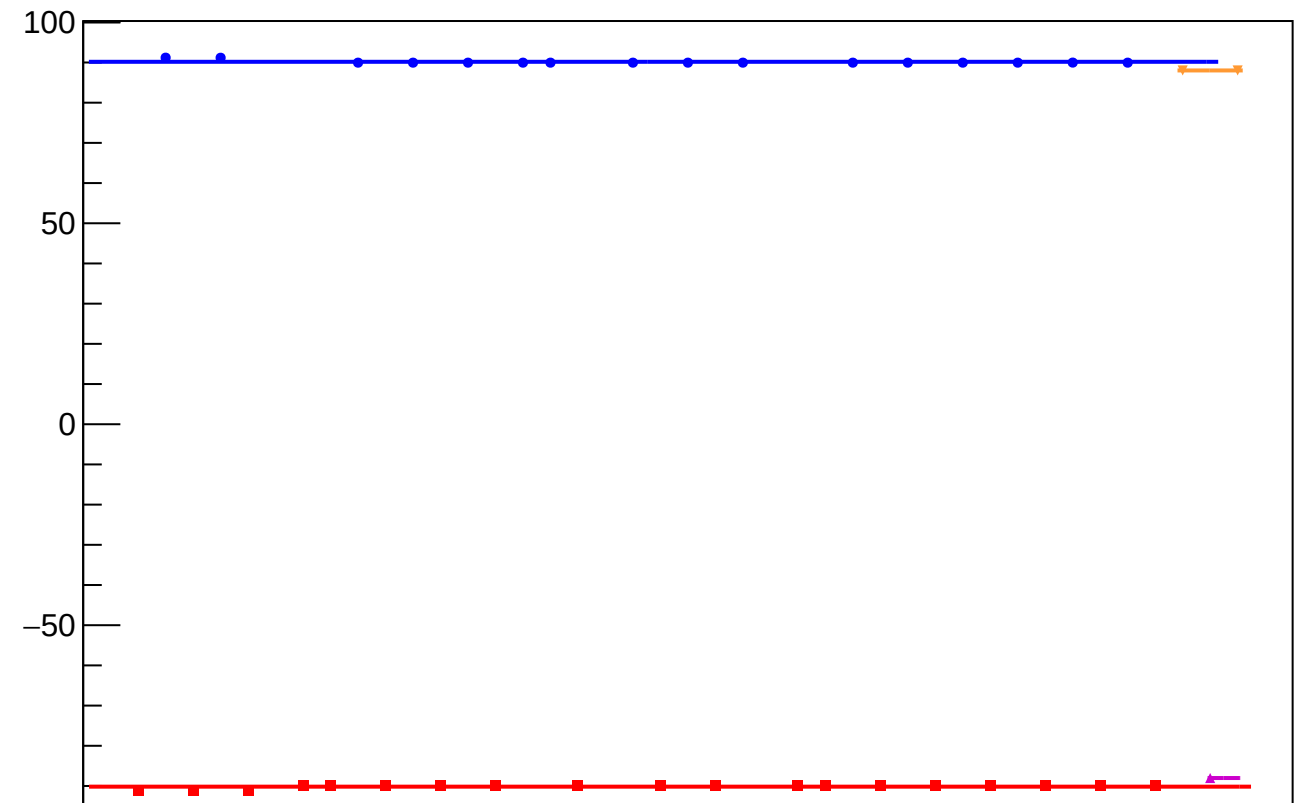
Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

In: 1173.975+/-0.000 χ^2/NDF:6528849172005666

Out: -942.619+/-0.000 χ^2/NDF:119130851177050

All: 51.794+/-0.000 χ^2/NDF: 380373363458

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:33927.3/1

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:0.0/0

Left: 29.340+/-0.000 χ^2/NDF: 17354722960107383

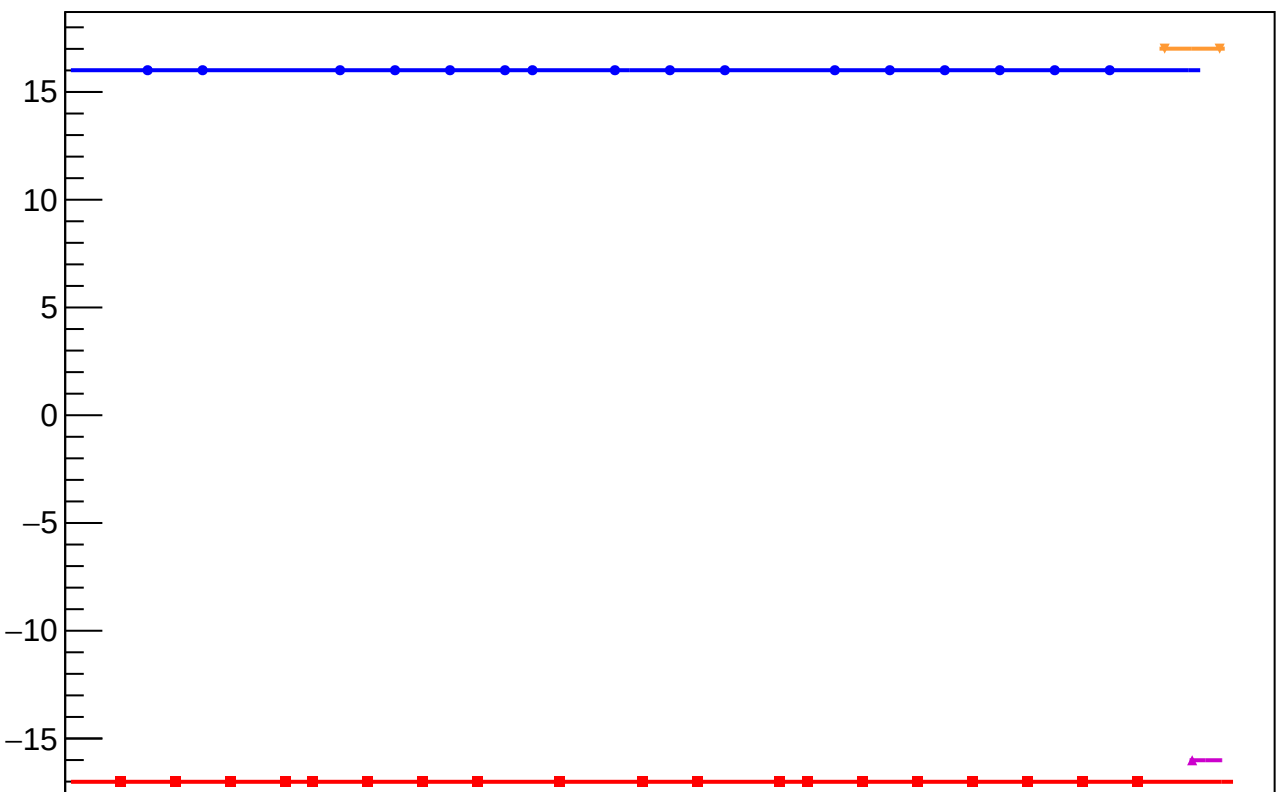
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 72.029+/-0.000 χ^2/NDF:239583041597375906

Out: -58.014+/-0.000 χ^2/NDF:4371851908660789

All: 3.082+/-0.000 χ^2/NDF: 1416473498727

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF:153600859144583202734 08.0/1

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:0.0/0

Left: 5.106+/-0.000 χ^2/NDF: 585634260590651417

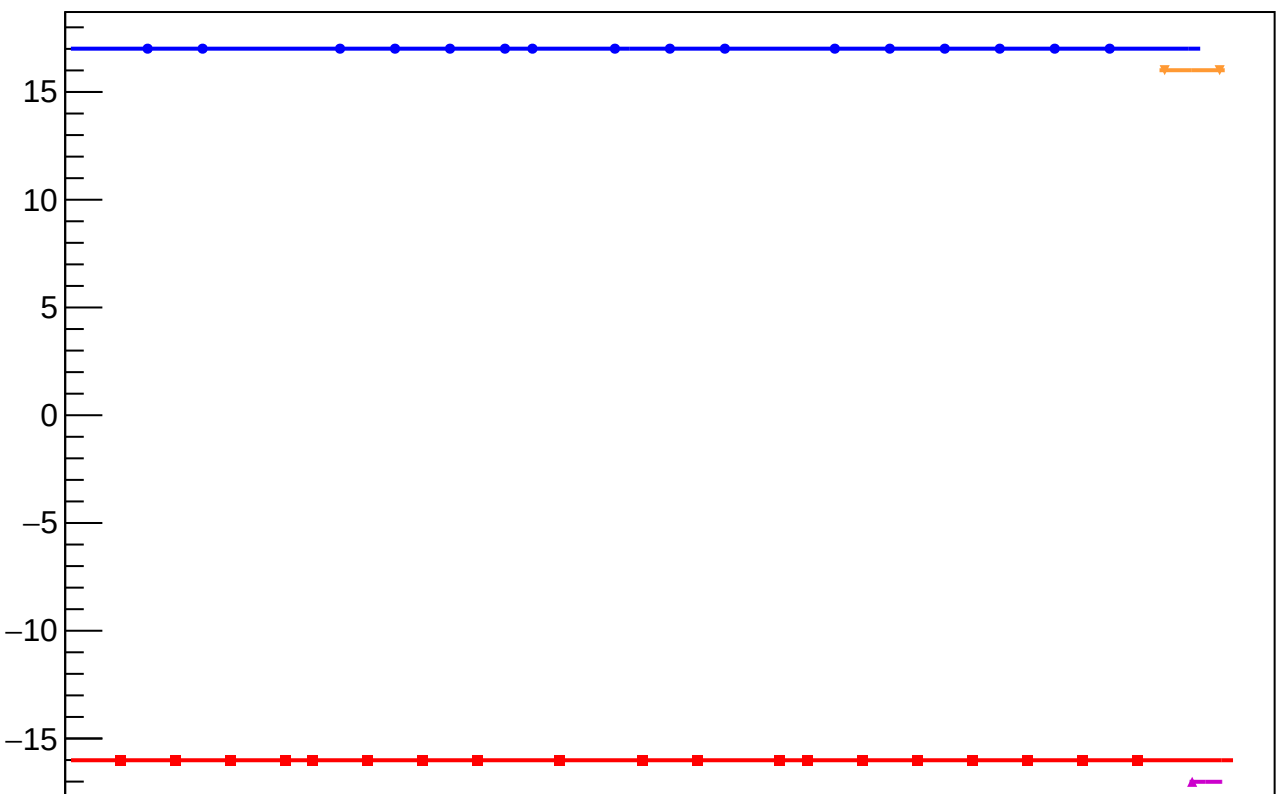
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: 12.588+/-0.000 χ^2/NDF:769135042378341432

Out: -10.989+/-0.000 χ^2/NDF:1419180150189472

All: 0.394+/-0.000 χ^2/NDF: 44803181650417

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:10905.2/1

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:0.0/0

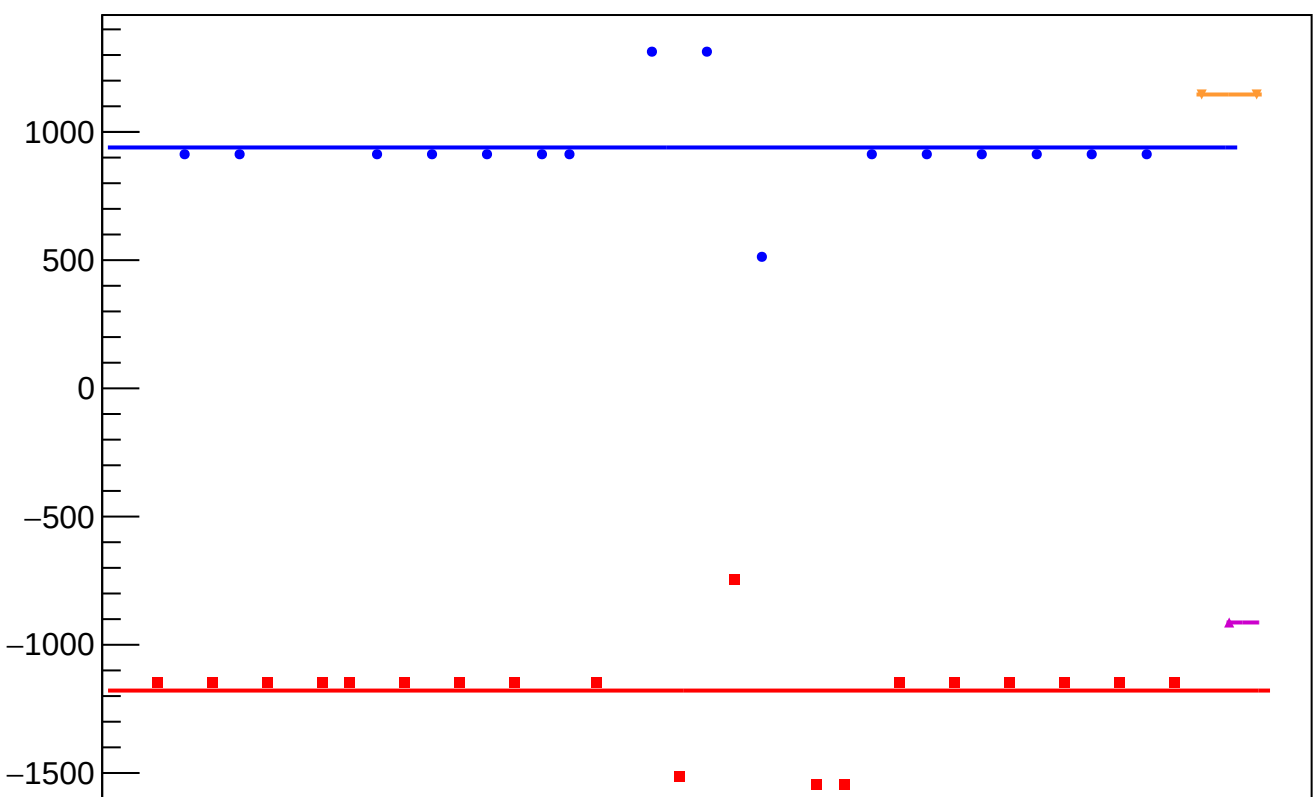
Left: 5.003+/-0.000 χ^2/NDF: 610533196874999827

Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: 13.397+/-0.000 χ^2/NDF:868878237403207824

Out: -10.207+/-0.000 χ^2/NDF:1410197920479371

All: 0.661+/-0.000 χ^2/NDF: 4656911458724



Right In: 939.446+/-0.000 χ^2/NDF: 2108293385609278876355276867318998630 4.0/15

Left Out: 1146.014+/-0.000 χ^2/NDF:3341501579752389817768345 6.0/1

Right Out: -1178.513+/-0.000 χ^2/NDF: 2214025995812327756548110611483774156 8.0/18

Left In: -912.991+/-0.000 χ^2/NDF:0.0/0

Left: 459.679+/-0.000 χ^2/NDF: 2374119559327846

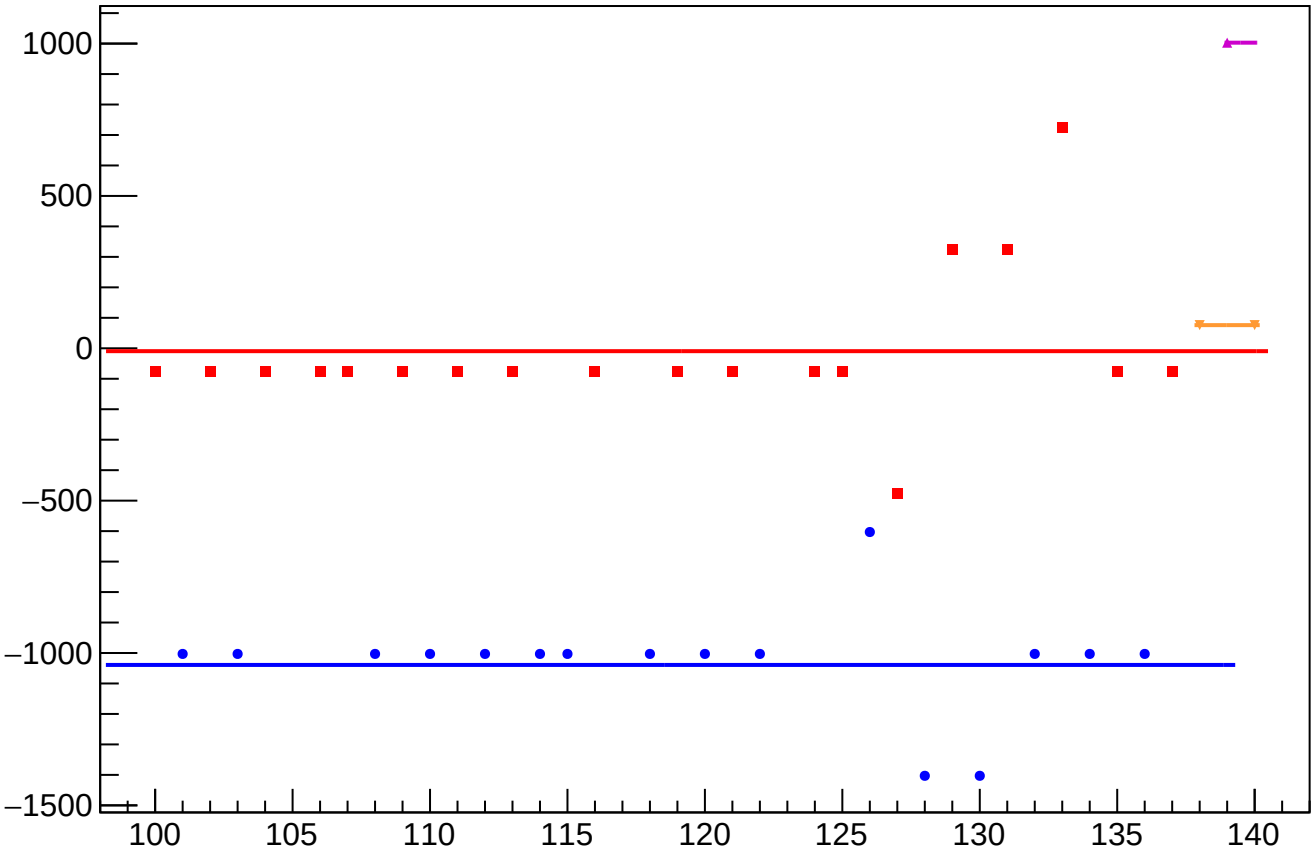
Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

In: 750.834+/-0.000 χ^2/NDF:279981934347087 41

Out: -759.050+/-0.000 χ^2/NDF:766106492910815

All: -49.679+/-0.000 χ^2/NDF: 204325163866

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

Left Out: 76.010+/-0.000 χ^2/NDF:1115257167352722596089036 8.0/1

Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409 92.0/18

Left In: 1002.991+/-0.000 χ^2/NDF:0.0/0

Left: 385.003+/-0.000 χ^2/NDF: 4812050369000117

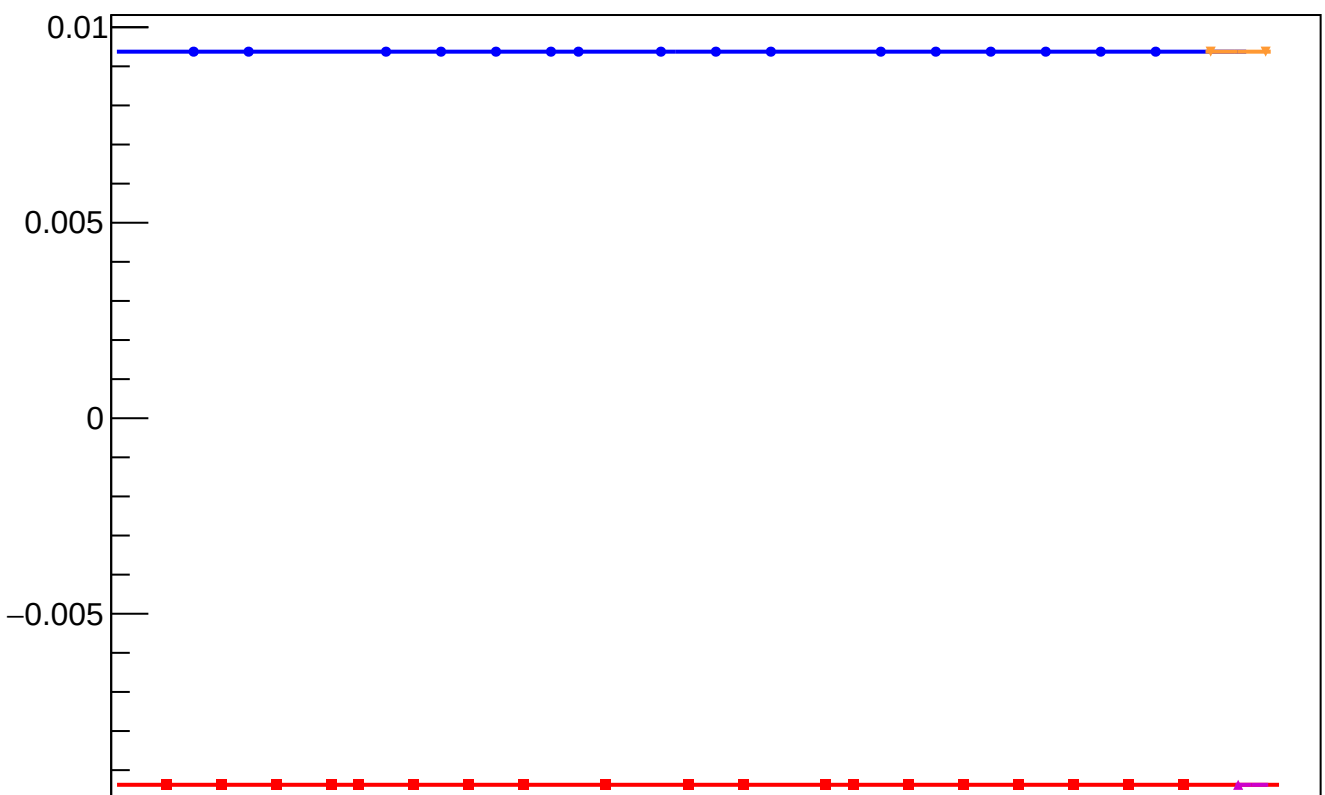
Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

In: -831.229+/-0.000 χ^2/NDF:3375132347199594

Out: 5.988+/-0.000 χ^2/NDF:4706247618658982 38

All: -387.351+/-0.000 χ^2/NDF: 6911635032 2

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/0

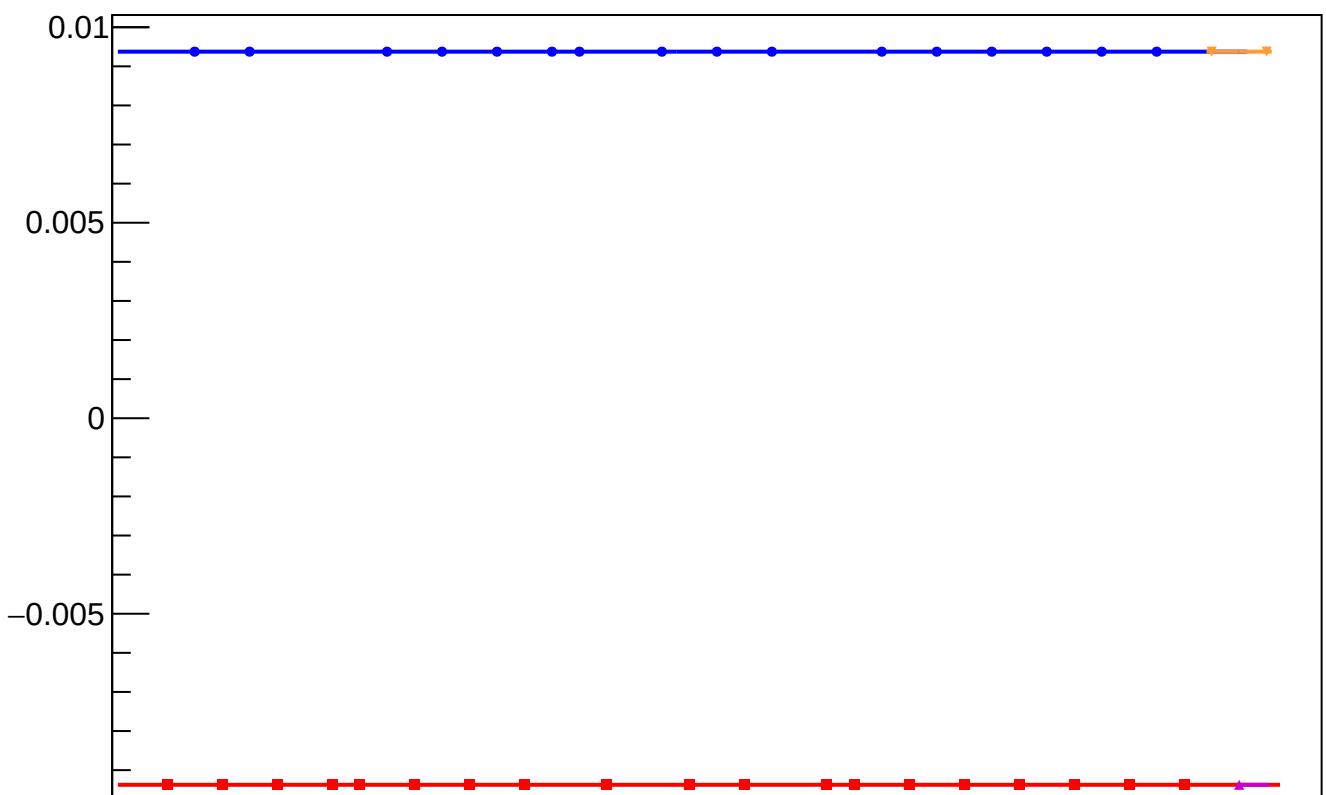
Left: 0.003+/-0.000 χ^2/NDF: 196874999999999376

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.007+/-0.000 χ^2/NDF:2652443181818177701

Out: -0.006+/-0.000 χ^2/NDF:48404605263157808

All: 0.000+/-0.000 χ^2/NDF: 15414353911588



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 196874999999999376

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.007+/-0.000 χ^2/NDF:2652443181818177701

Out: -0.006+/-0.000 χ^2/NDF:48404605263157808

All: 0.000+/-0.000 χ^2/NDF: 15414353911588