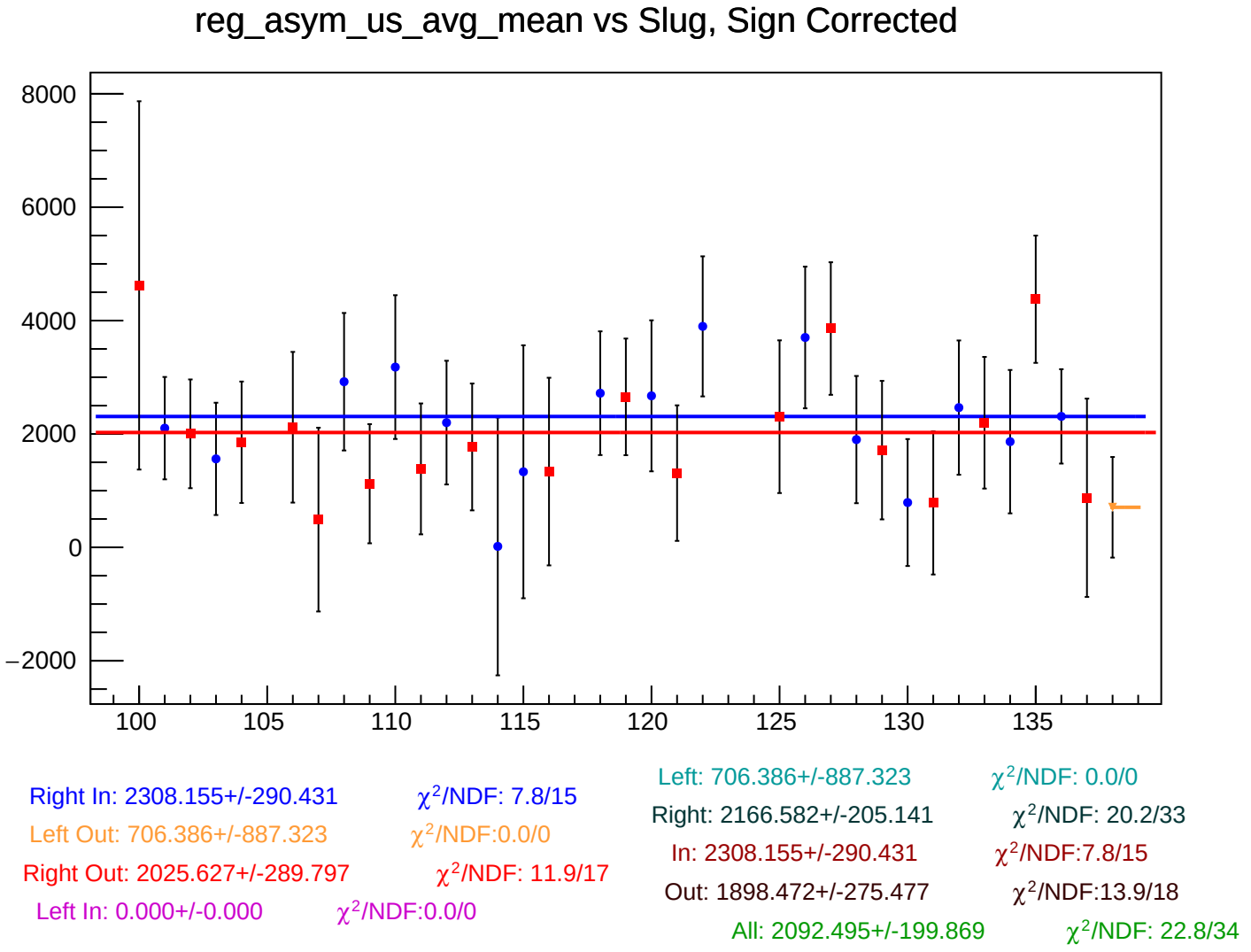
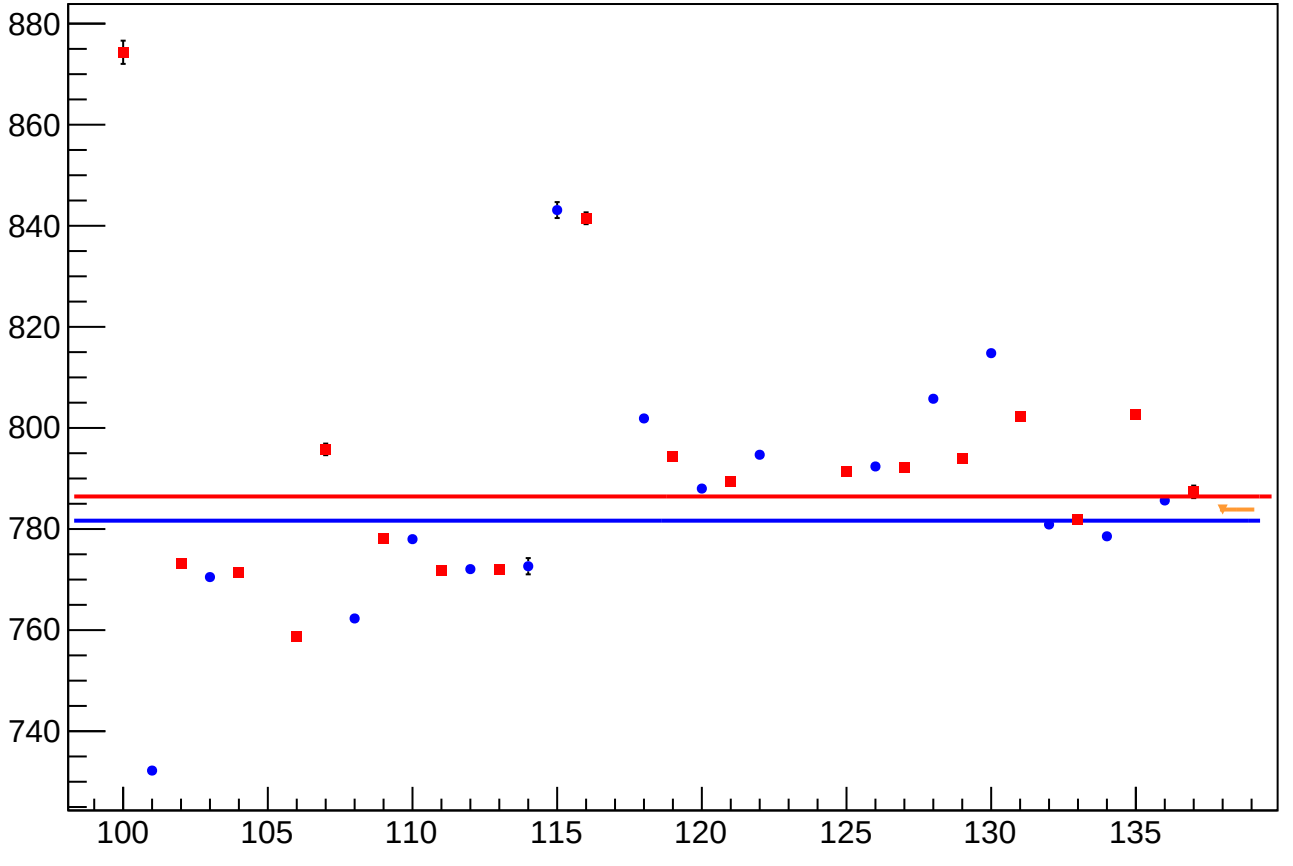

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
105
110
115
120
125
130
135
Right In: 2308.155+/-290.431 χ²/NDF: 7.8/15
Left Out: 706.386+/-887.323 χ²/NDF:0.0/0
Right Out: 2025.627+/-289.797 χ²/NDF: 11.9/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 706.386+/-887.323 χ²/NDF: 0.0/0
Right: 2166.582+/-205.141 χ²/NDF: 20.2/33
In: 2308.155+/-290.431 χ²/NDF:7.8/15
Out: 1898.472+/-275.477 χ²/NDF:13.9/18
All: 2092.495+/-199.869 χ²/NDF: 22.8/34

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 783.858+/-0.627 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

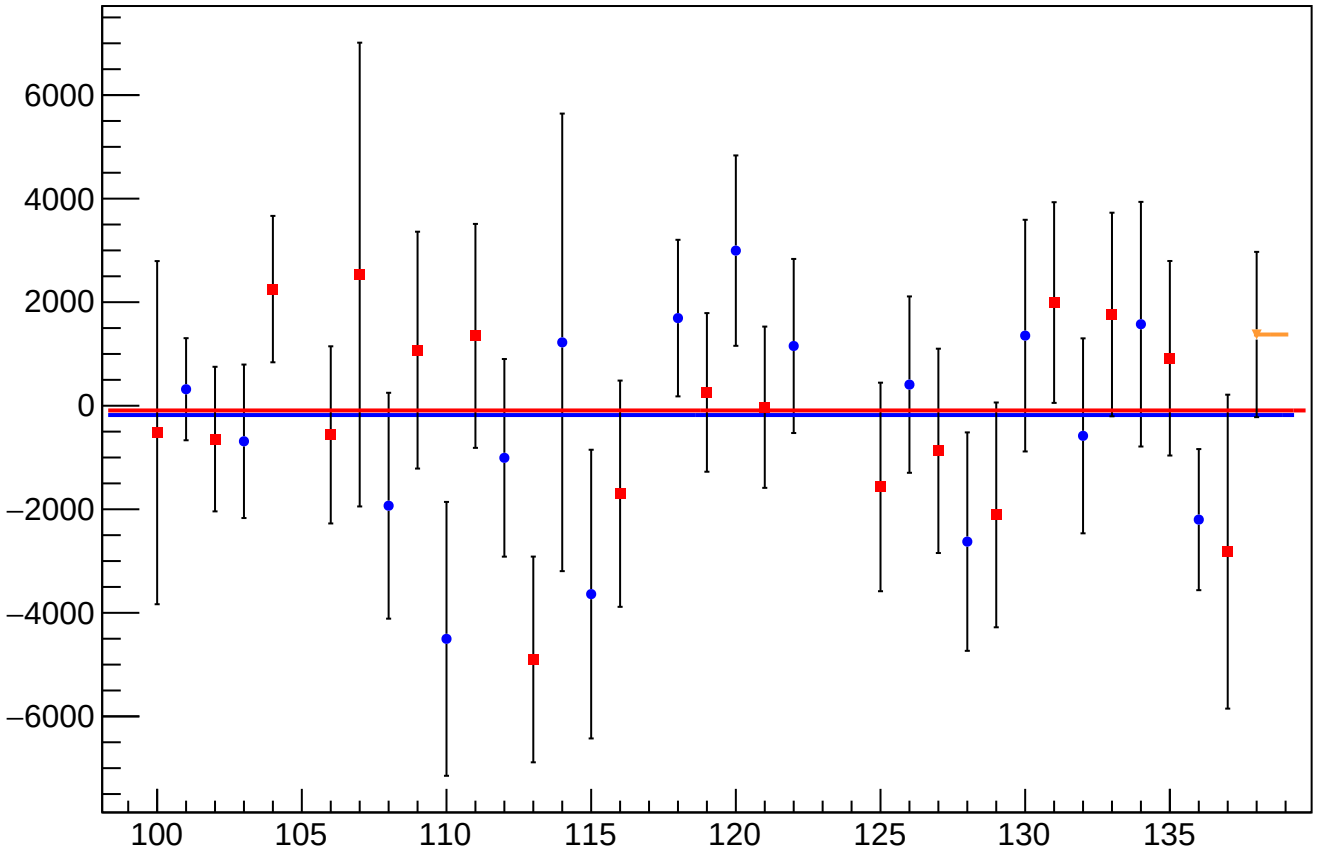
Left: 783.858+/-0.627 χ^2/NDF: 0.0/0

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

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

Out: 786.194+/-0.195 χ^2/NDF:7216.9/18

All: 784.044+/-0.141 χ^2/NDF: 19793.2/34



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

Left Out: 1375.586+/-1596.159 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

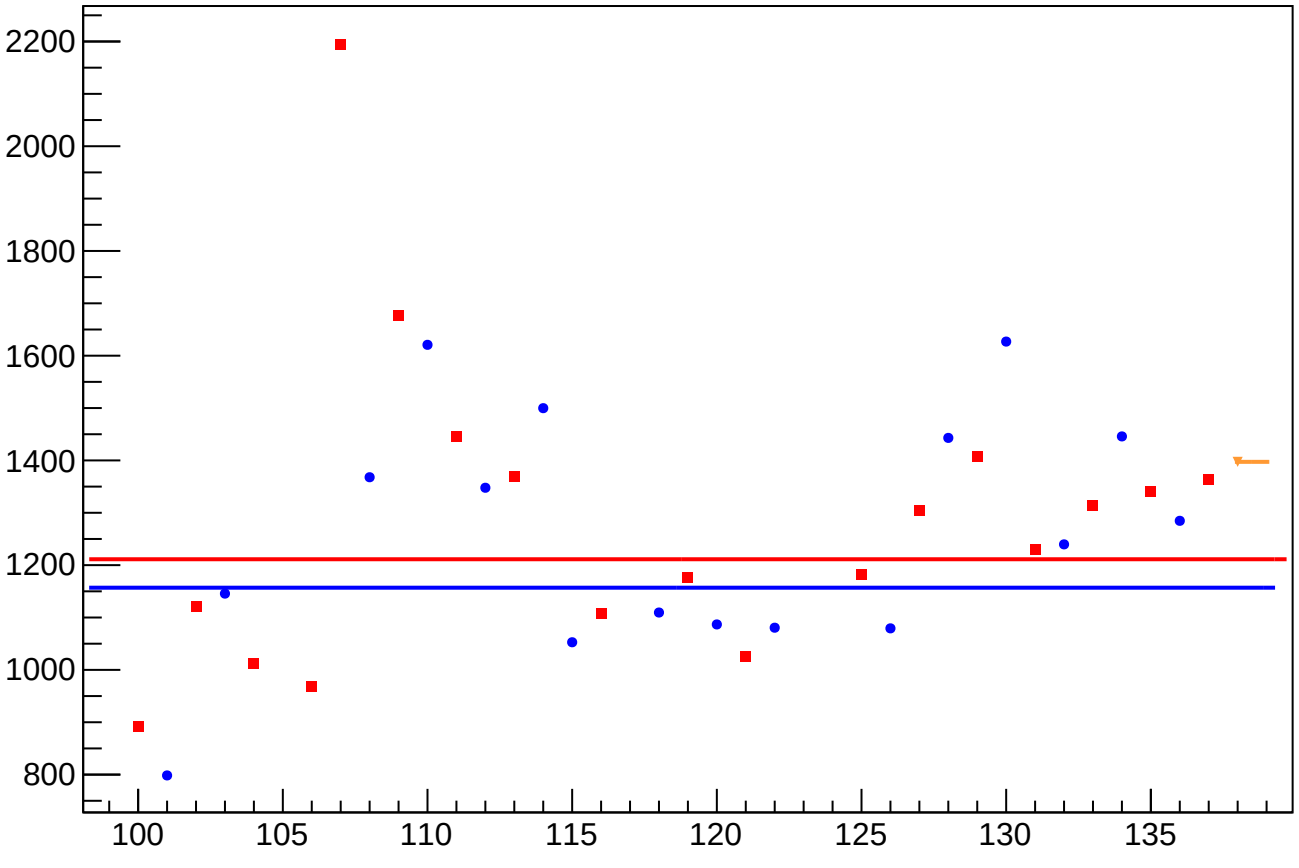
Left: 1375.586+/-1596.159 χ^2/NDF: 0.0/0

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

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

Out: 18.866+/-437.401 χ^2/NDF:16.0/18

All: -79.769+/-310.474 χ^2/NDF: 31.5/34



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

Left Out: 1397.270+/-1.129 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

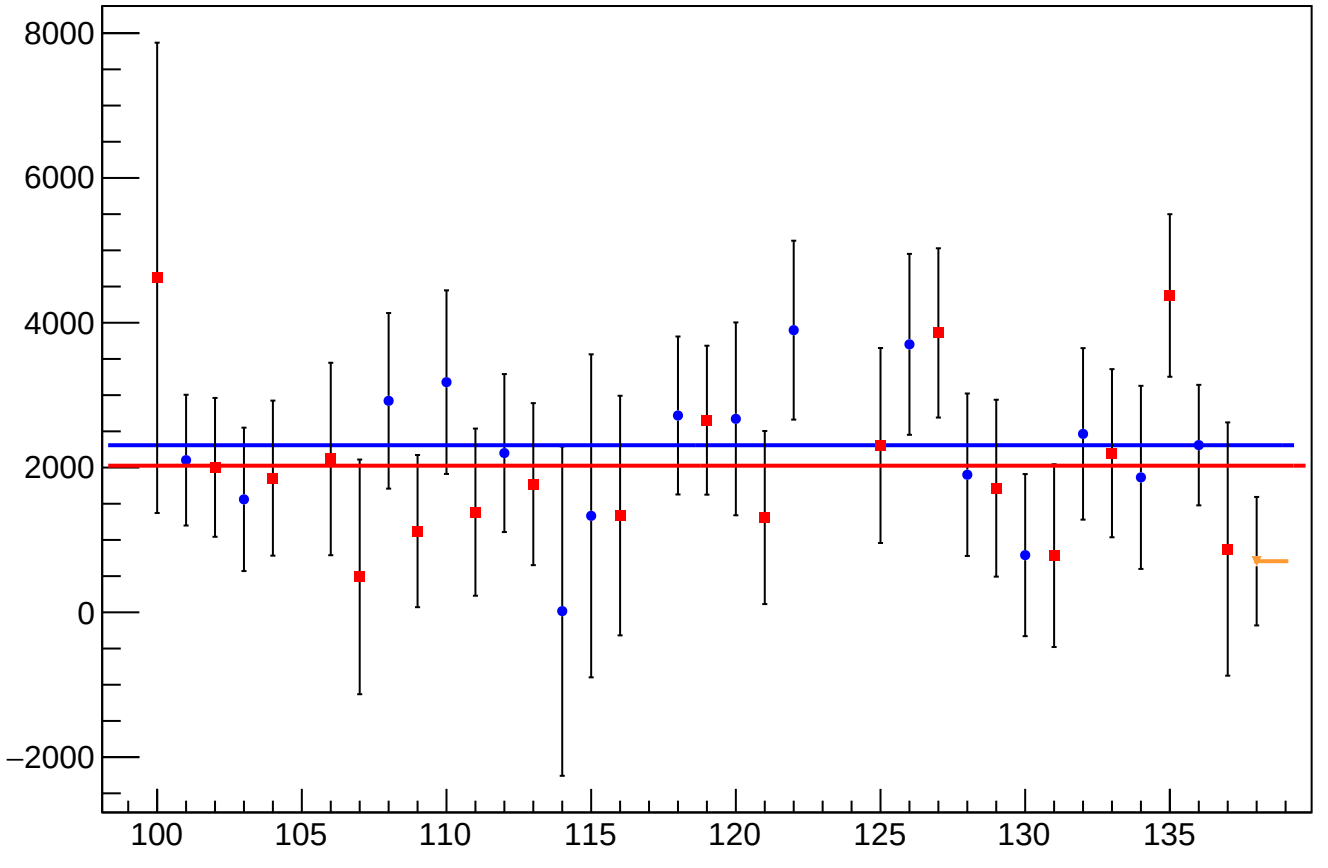
Left: 1397.270+/-1.129 χ^2/NDF: 0.0/0

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

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

Out: 1225.232+/-0.309 χ^2/NDF:422835.2/18

All: 1191.352+/-0.220 χ^2/NDF: 1016139.1/34



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

Left Out: 706.386+/-887.323 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 706.386+/-887.323 χ^2/NDF: 0.0/0

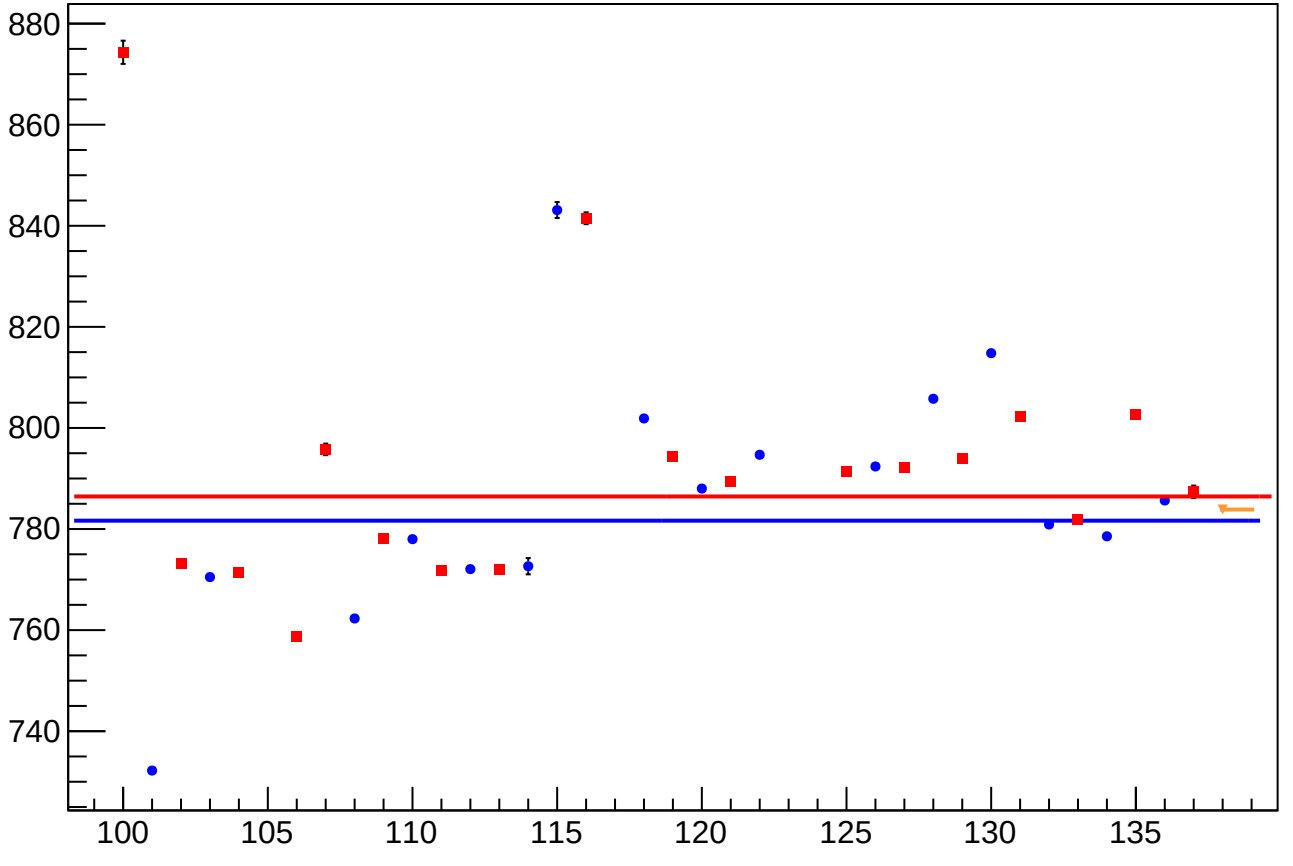
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2308.155+/-290.431 χ^2/NDF:7.8/15

Out: 1898.472+/-275.477 χ^2/NDF:13.9/18

All: 2092.495+/-199.869 χ^2/NDF: 22.8/34

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 783.858+/-0.627 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

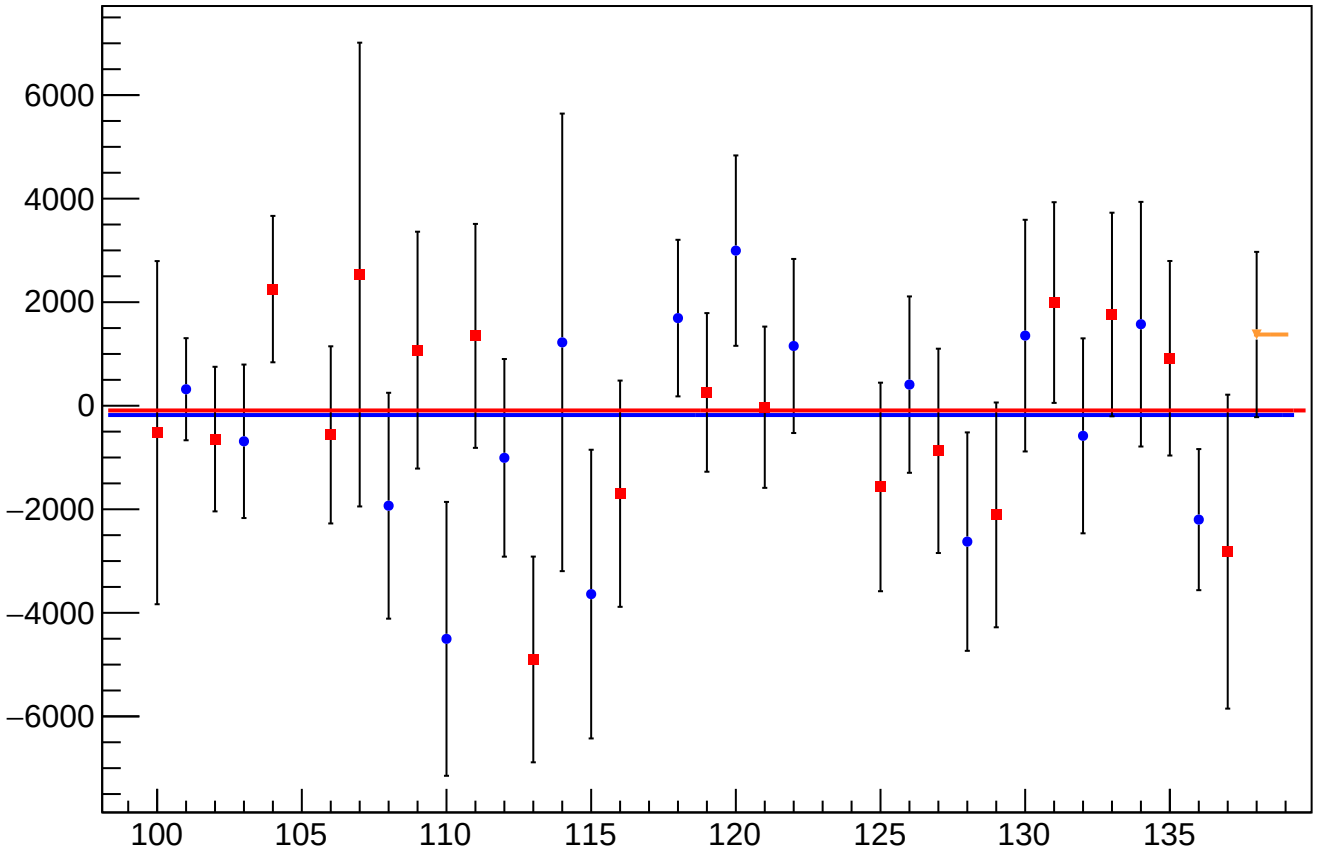
Left: 783.858+/-0.627 χ^2/NDF: 0.0/0

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

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

Out: 786.194+/-0.195 χ^2/NDF:7216.9/18

All: 784.044+/-0.141 χ^2/NDF: 19793.2/34



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

Left Out: 1375.586+/-1596.159 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1375.586+/-1596.159 χ^2/NDF: 0.0/0

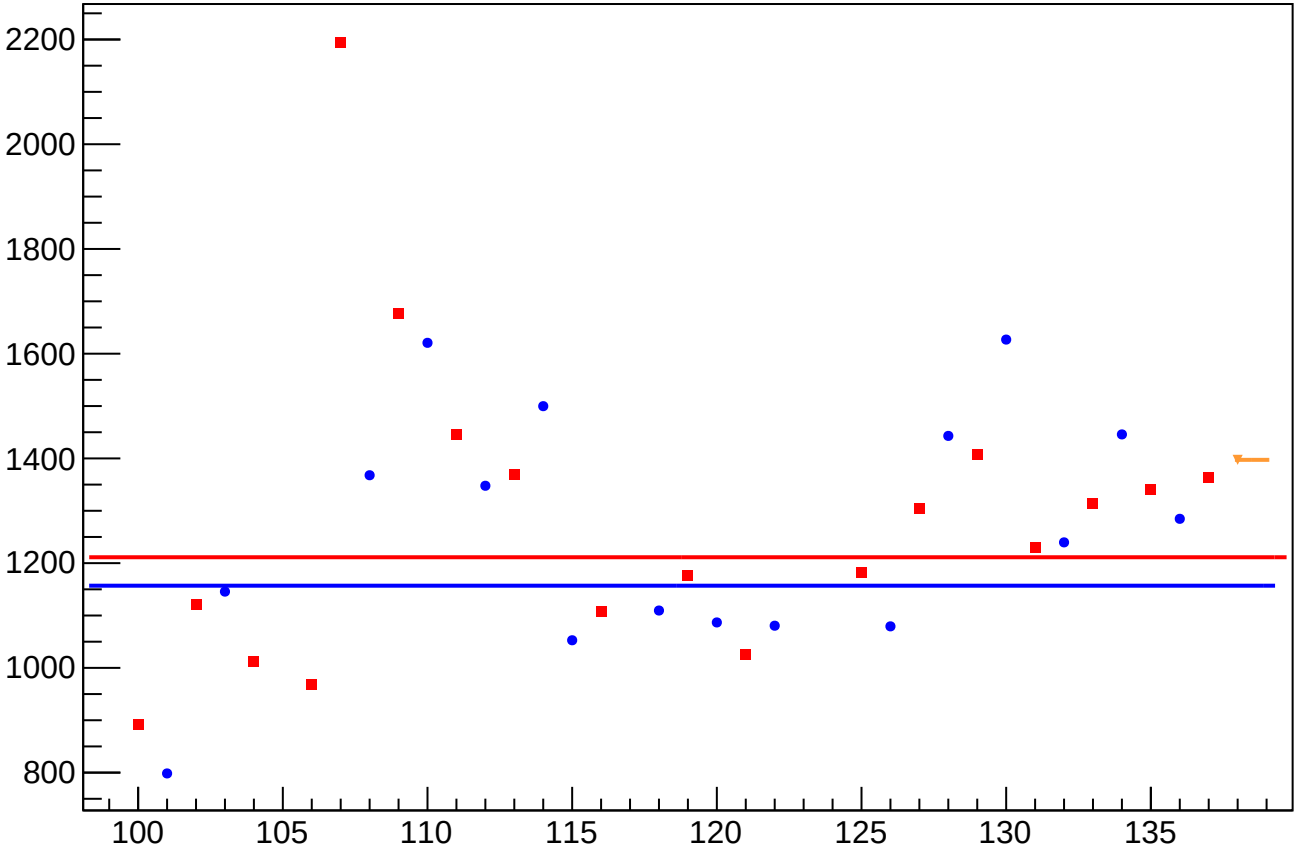
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

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

Out: 18.866+/-437.401 χ^2/NDF:16.0/18

All: -79.769+/-310.474 χ^2/NDF: 31.5/34

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1397.270+/-1.129 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

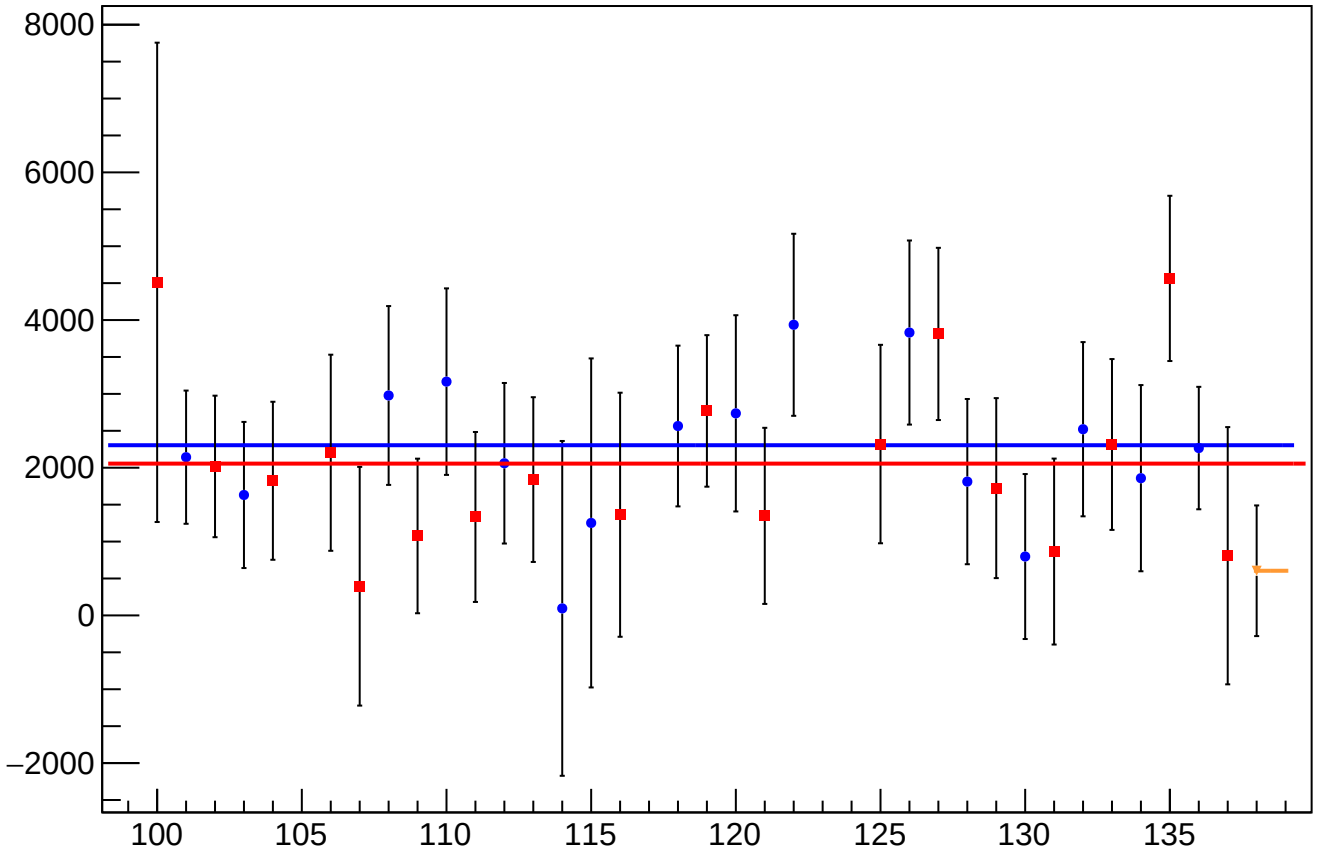
Left: 1397.270+/-1.129 χ^2/NDF: 0.0/0

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

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

Out: 1225.232+/-0.309 χ^2/NDF:422835.2/18

All: 1191.352+/-0.220 χ^2/NDF: 1016139.1/34



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

Left Out: 604.640+/-884.807 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

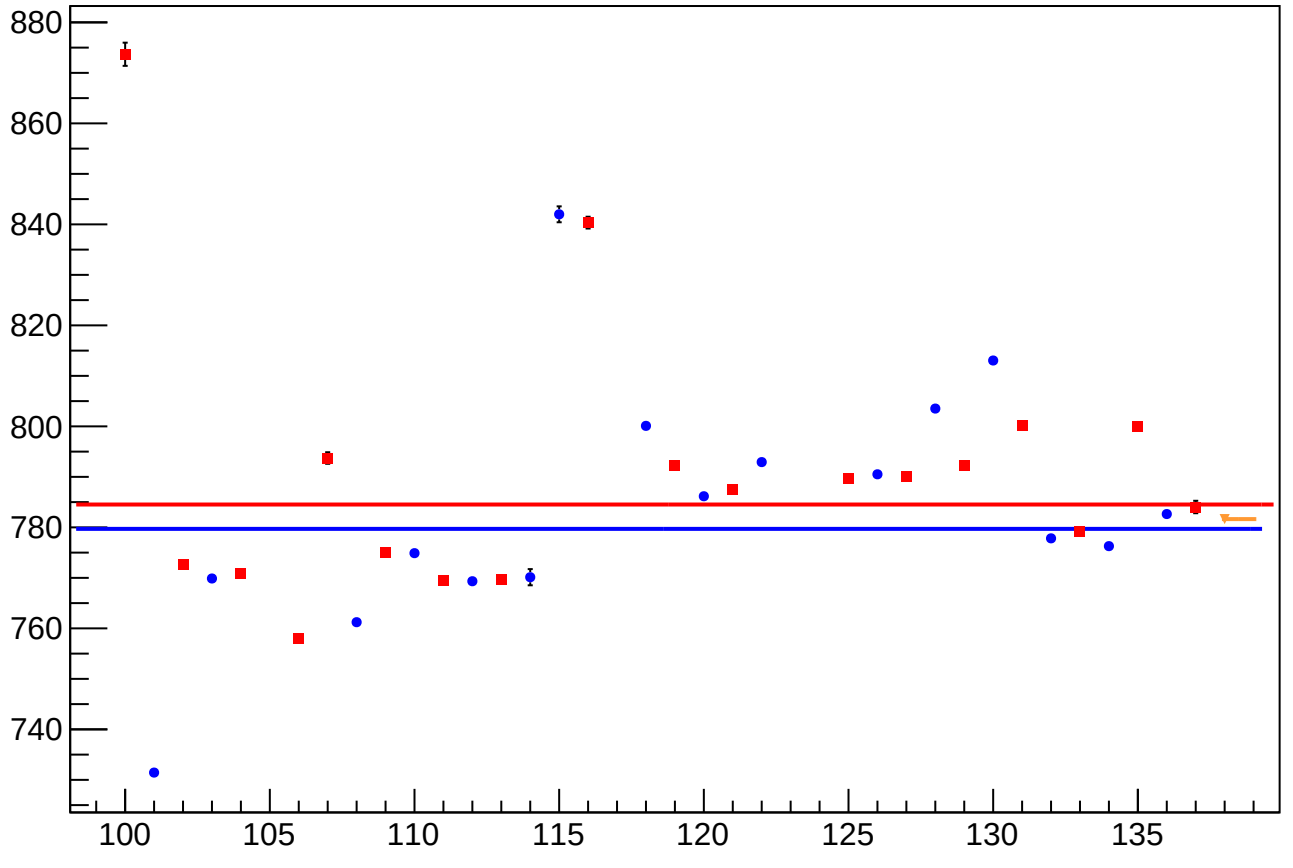
Left: 604.640+/-884.807 χ^2/NDF: 0.0/0

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

In: 2304.852+/-289.704 χ^2/NDF:8.1/15

Out: 1915.710+/-274.794 χ^2/NDF:15.3/18

All: 2100.010+/-199.371 χ^2/NDF: 24.3/34



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

Left Out: 781.637+/-0.626 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 781.637+/-0.626 χ^2/NDF: 0.0/0

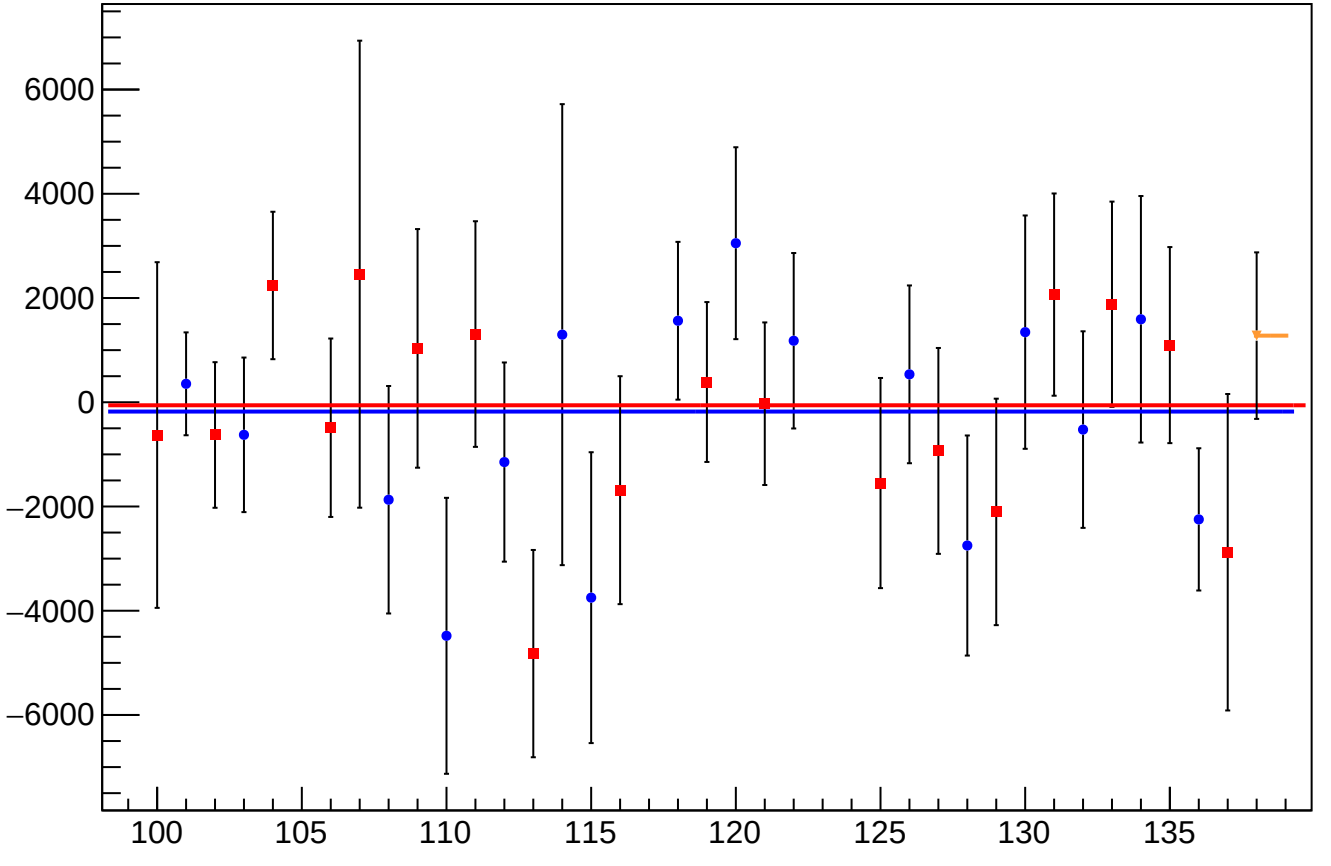
Right: 782.118+/-0.145 χ^2/NDF: 19498.0/33

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

Out: 784.246+/-0.194 χ^2/NDF:7179.3/18

All: 782.094+/-0.141 χ^2/NDF: 19498.5/34

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: 1278.204+/-1597.627 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

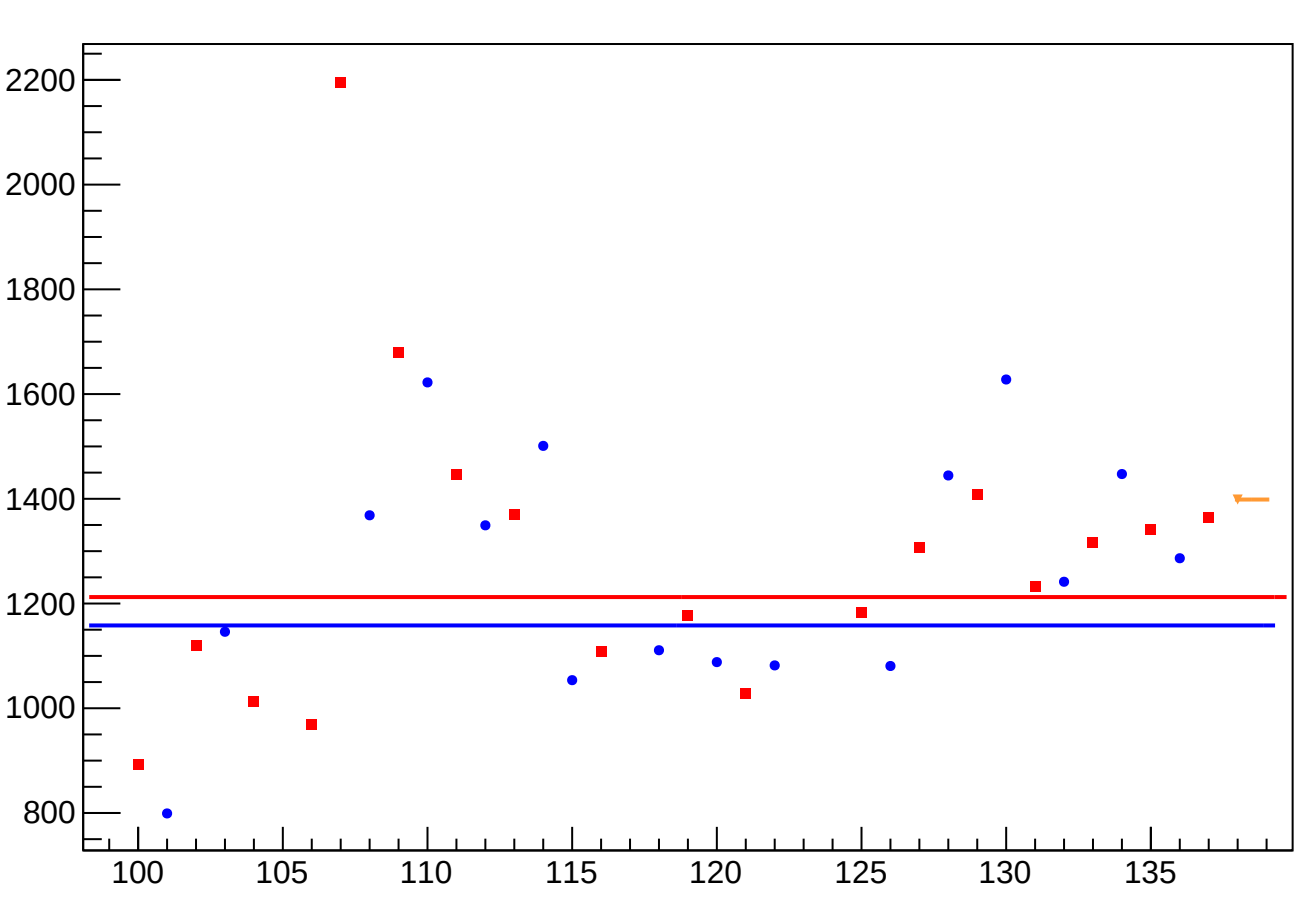
Left: 1278.204+/-1597.627 χ^2/NDF: 0.0/0

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

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

Out: 42.299+/-437.792 χ^2/NDF:15.9/18

All: -67.218+/-310.770 χ^2/NDF: 31.7/34



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

Left Out: 1398.596+/-1.130 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

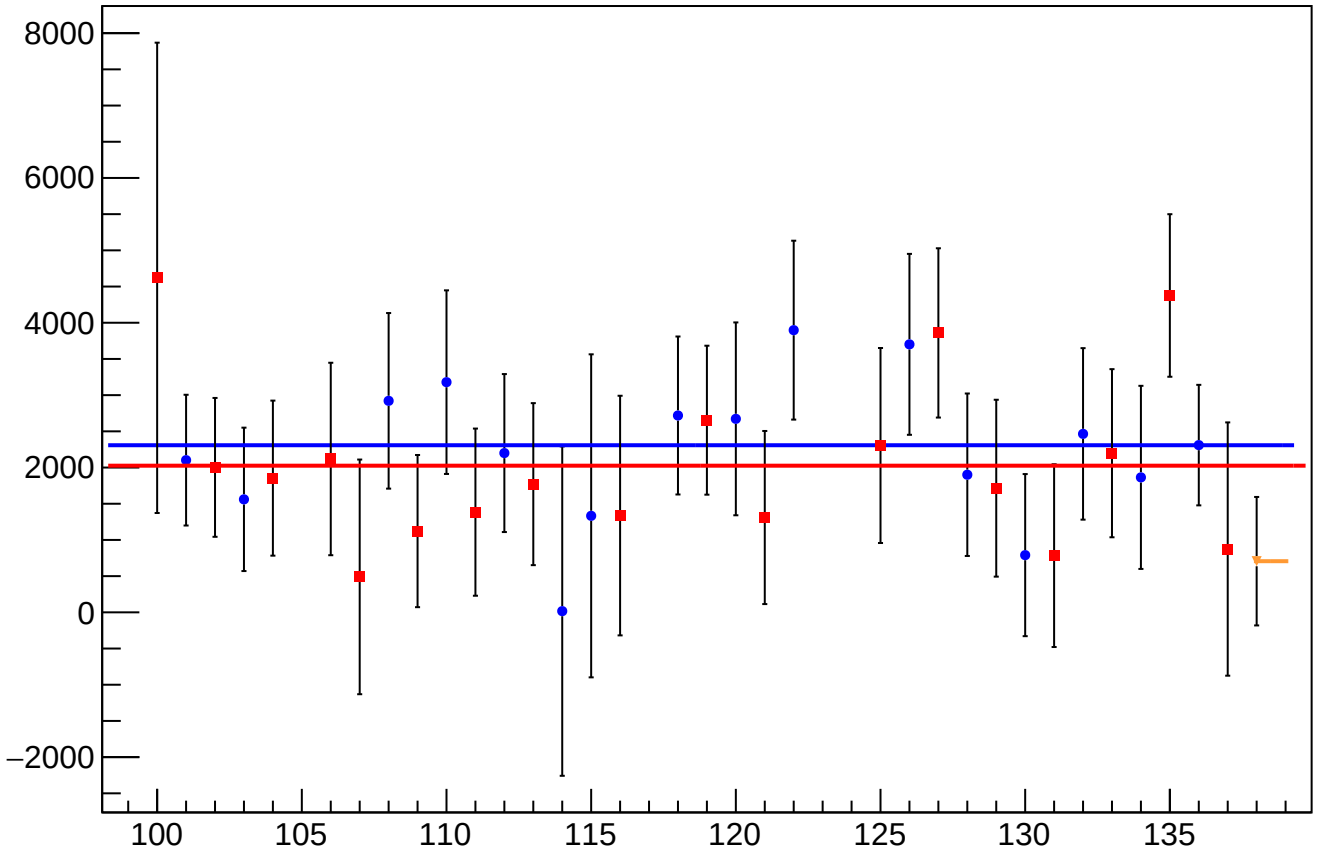
Left: 1398.596+/-1.130 χ^2/NDF: 0.0/0

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

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

Out: 1226.332+/-0.310 χ^2/NDF:423078.3/18

All: 1192.499+/-0.220 χ^2/NDF: 1016301.0/34



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

Left Out: 706.386+/-887.323 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

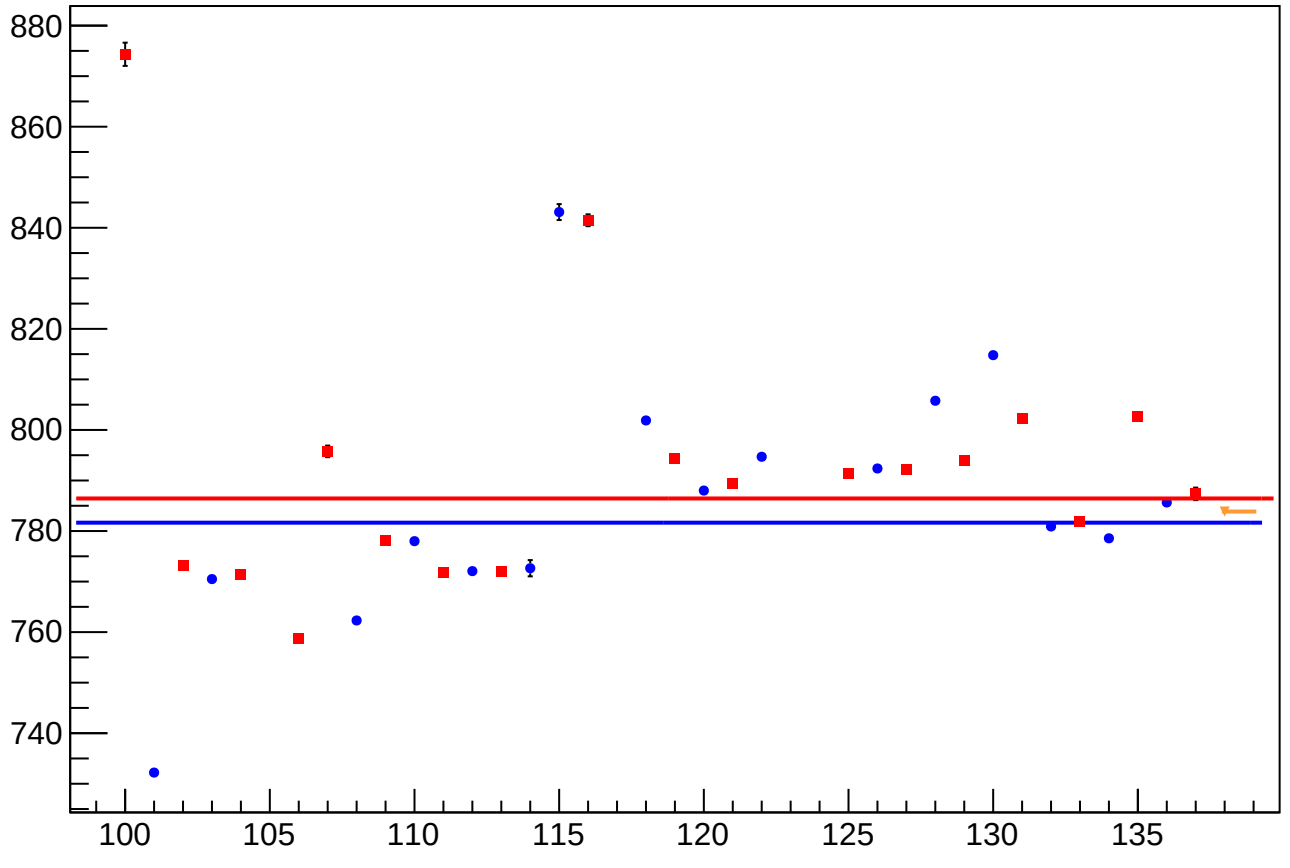
Left: 706.386+/-887.323 χ^2/NDF: 0.0/0

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

In: 2308.155+/-290.431 χ^2/NDF:7.8/15

Out: 1898.472+/-275.477 χ^2/NDF:13.9/18

All: 2092.495+/-199.869 χ^2/NDF: 22.8/34



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

Left Out: 783.858+/-0.627 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

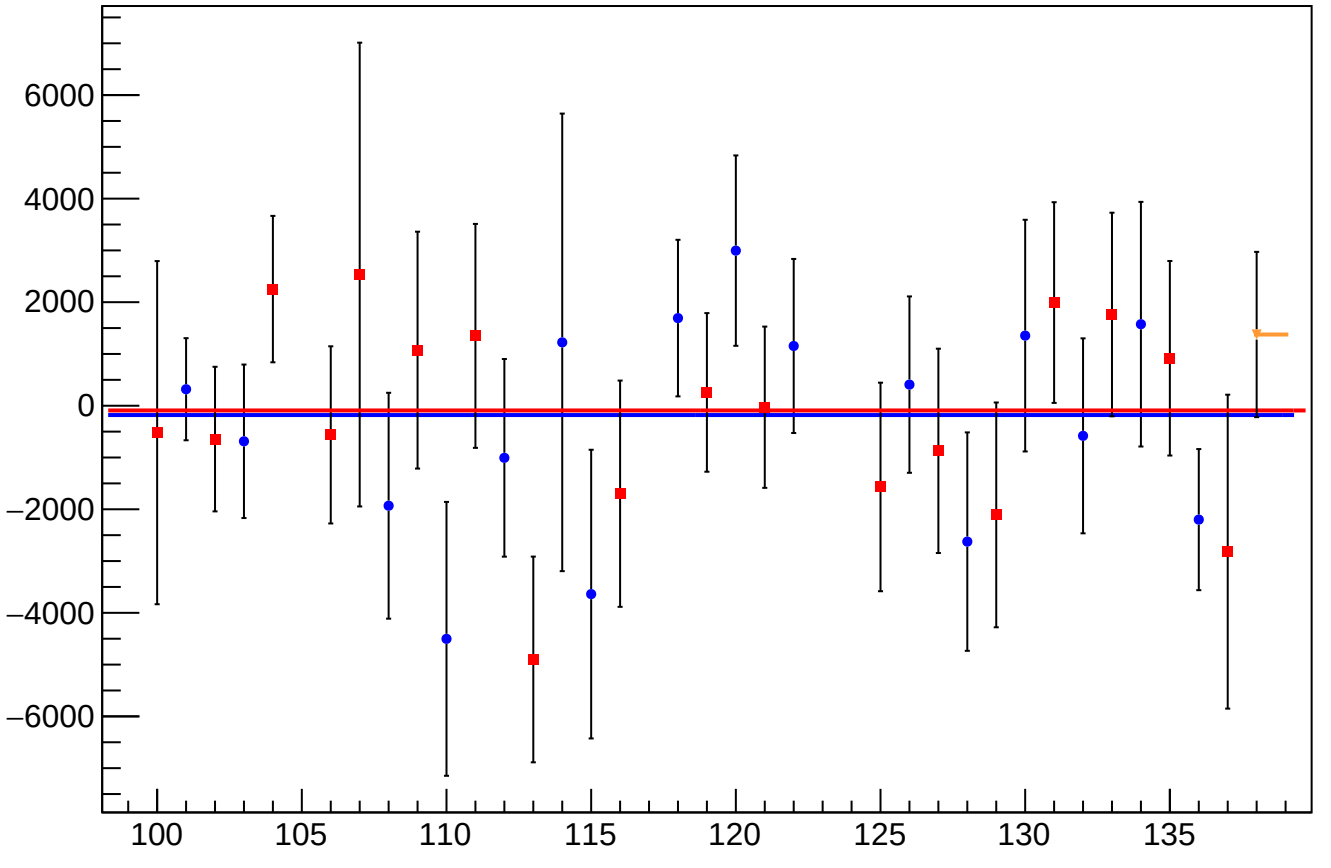
Left: 783.858+/-0.627 χ^2/NDF: 0.0/0

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

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

Out: 786.194+/-0.195 χ^2/NDF:7216.9/18

All: 784.044+/-0.141 χ^2/NDF: 19793.2/34



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

Left Out: 1375.586+/-1596.159 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

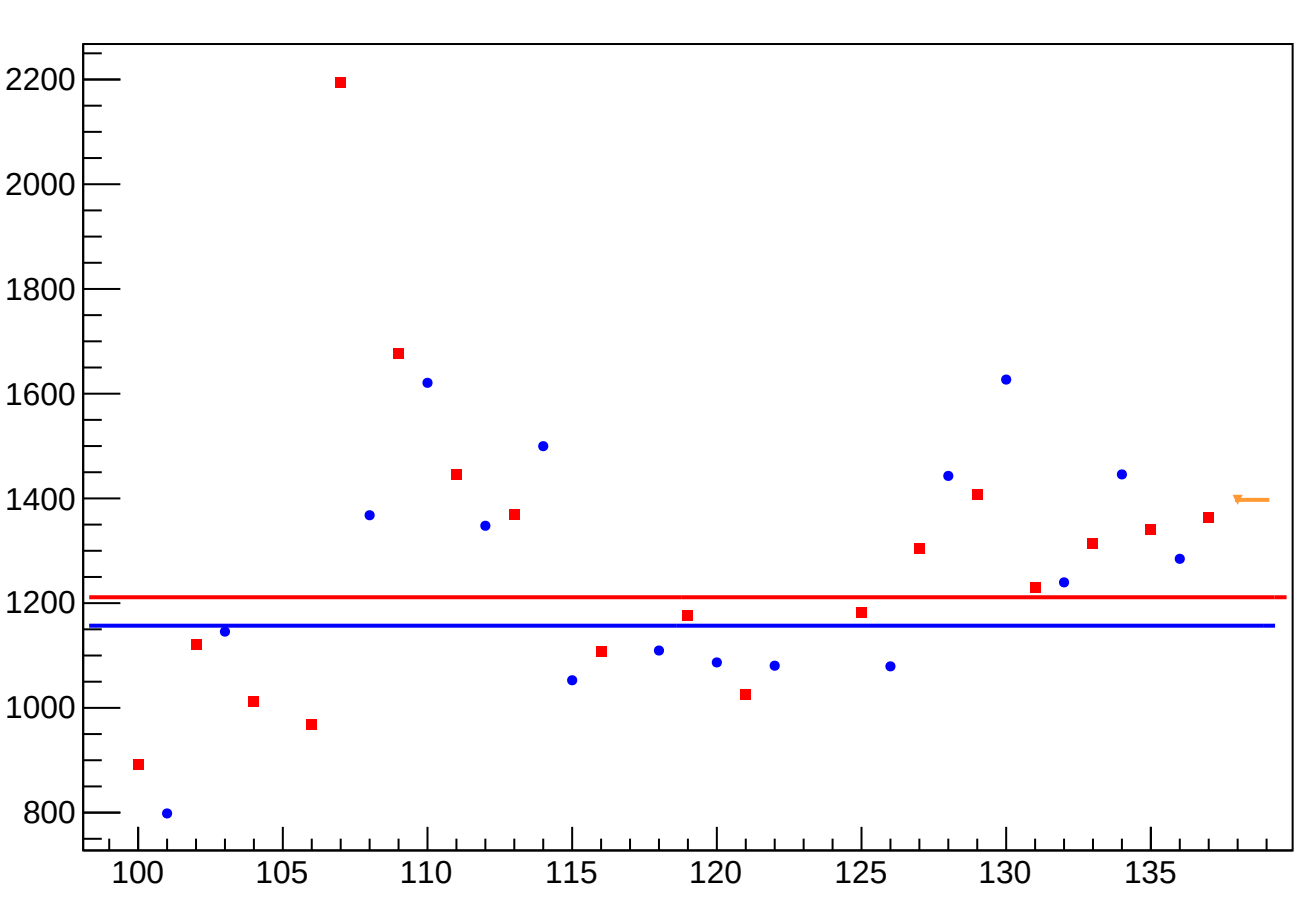
Left: 1375.586+/-1596.159 χ^2/NDF: 0.0/0

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

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

Out: 18.866+/-437.401 χ^2/NDF:16.0/18

All: -79.769+/-310.474 χ^2/NDF: 31.5/34



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

Left Out: 1397.270+/-1.129 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1397.270+/-1.129 χ^2/NDF: 0.0/0

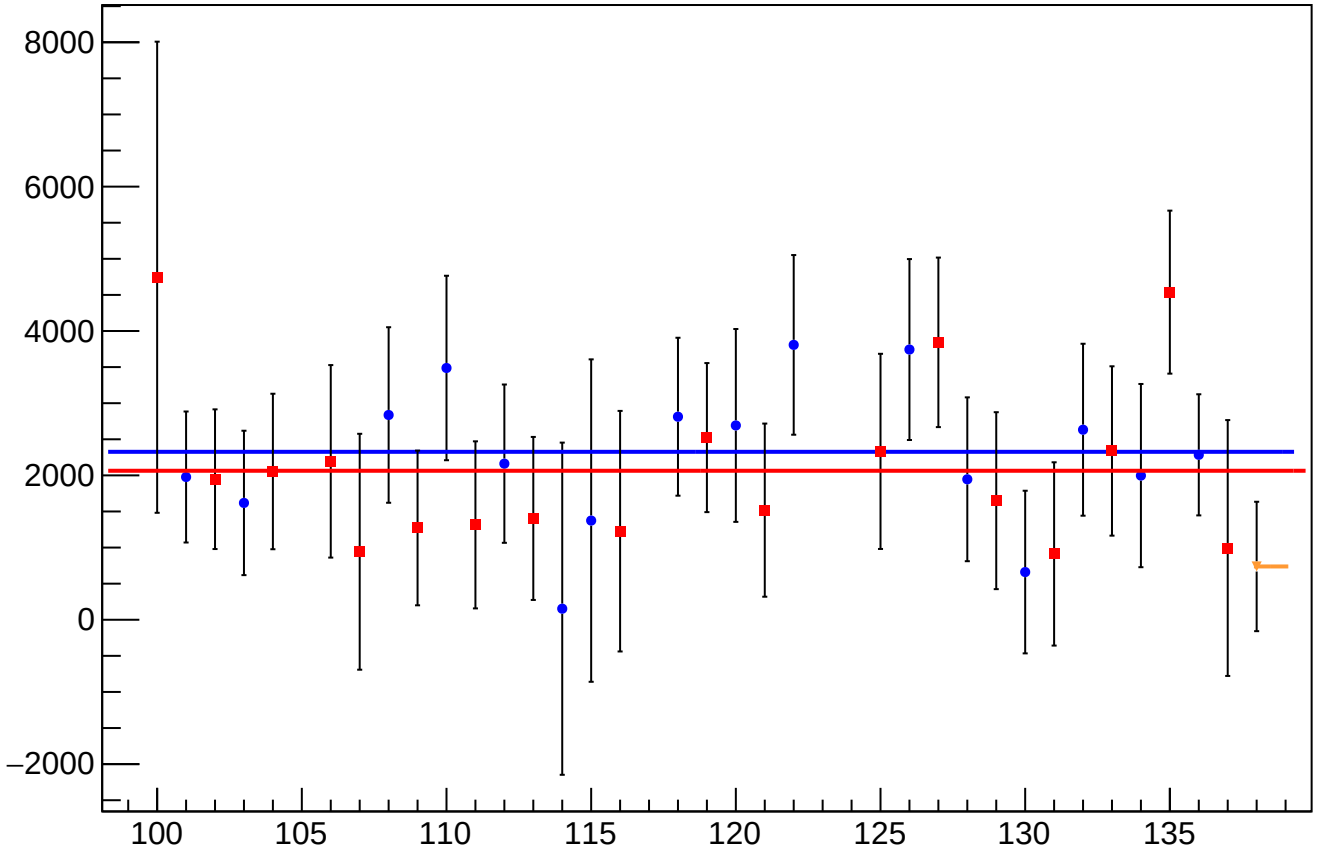
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

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

Out: 1225.232+/-0.309 χ^2/NDF:422835.2/18

All: 1191.352+/-0.220 χ^2/NDF: 1016139.1/34

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 738.222+/-896.273 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 738.222+/-896.273 χ^2/NDF: 0.0/0

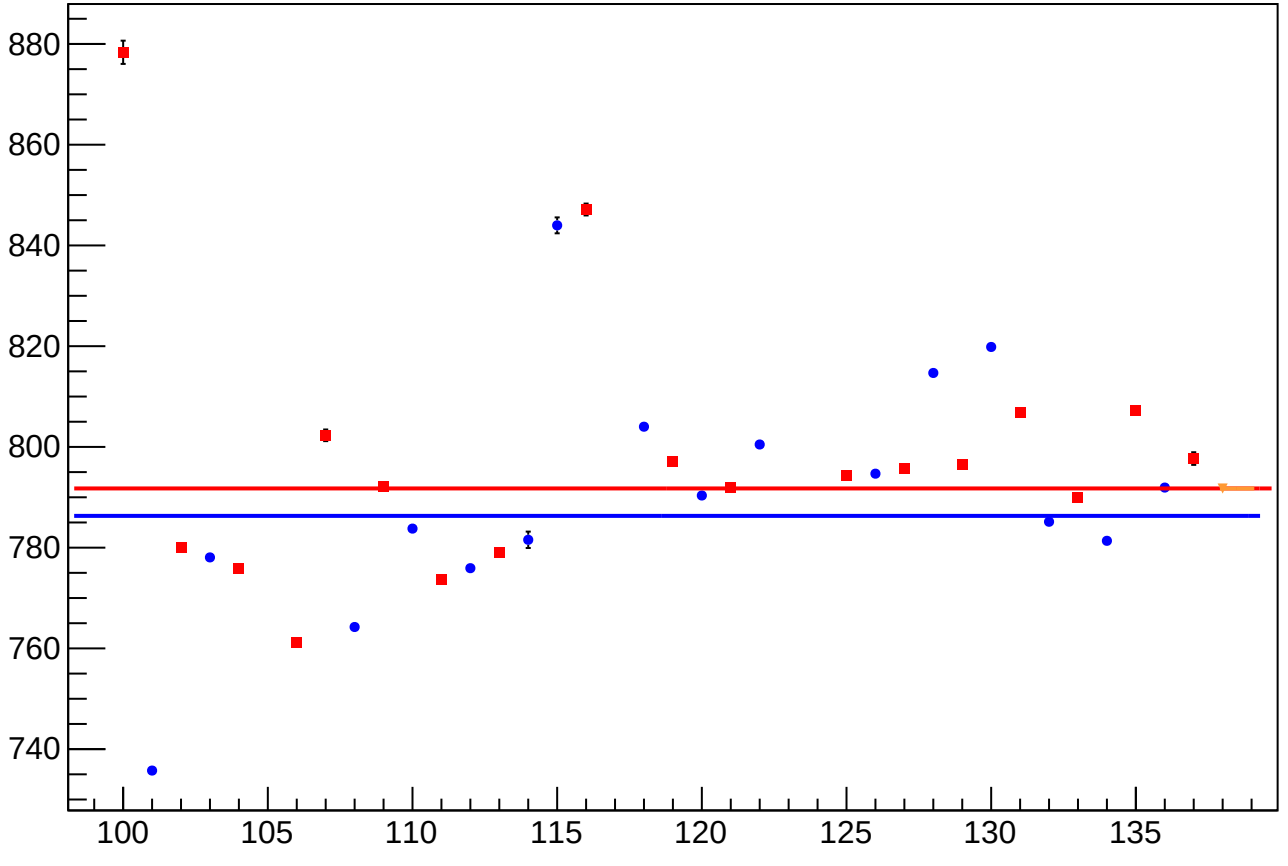
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2326.430+/-292.176 χ^2/NDF:8.1/15

Out: 1936.927+/-277.457 χ^2/NDF:13.6/18

All: 2121.621+/-201.194 χ^2/NDF: 22.7/34

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 791.743+/-0.634 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

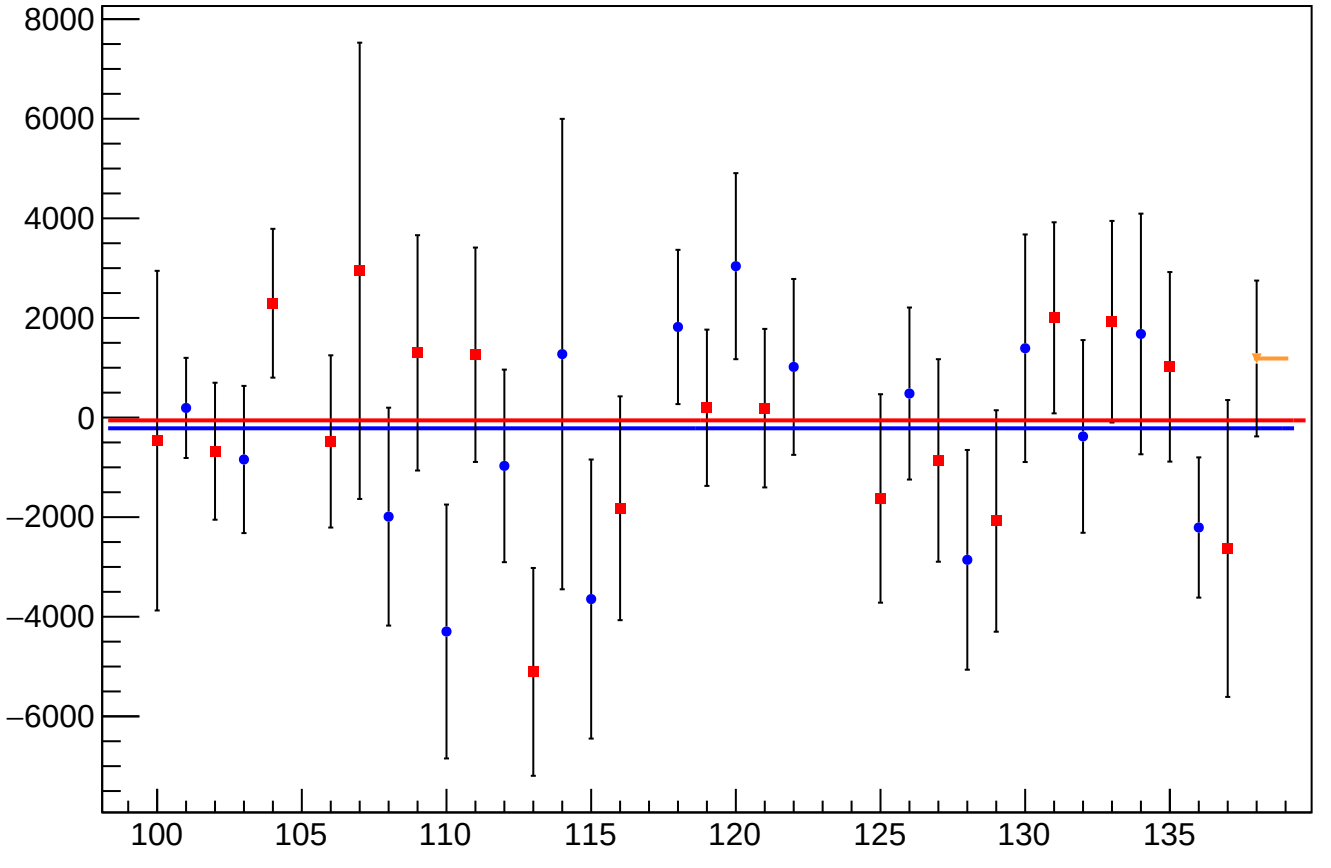
Left: 791.743+/-0.634 χ^2/NDF: 0.0/0

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

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

Out: 791.755+/-0.196 χ^2/NDF:7015.1/18

All: 789.173+/-0.142 χ^2/NDF: 19951.5/34



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

Left Out: 1185.800+/-1564.515 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

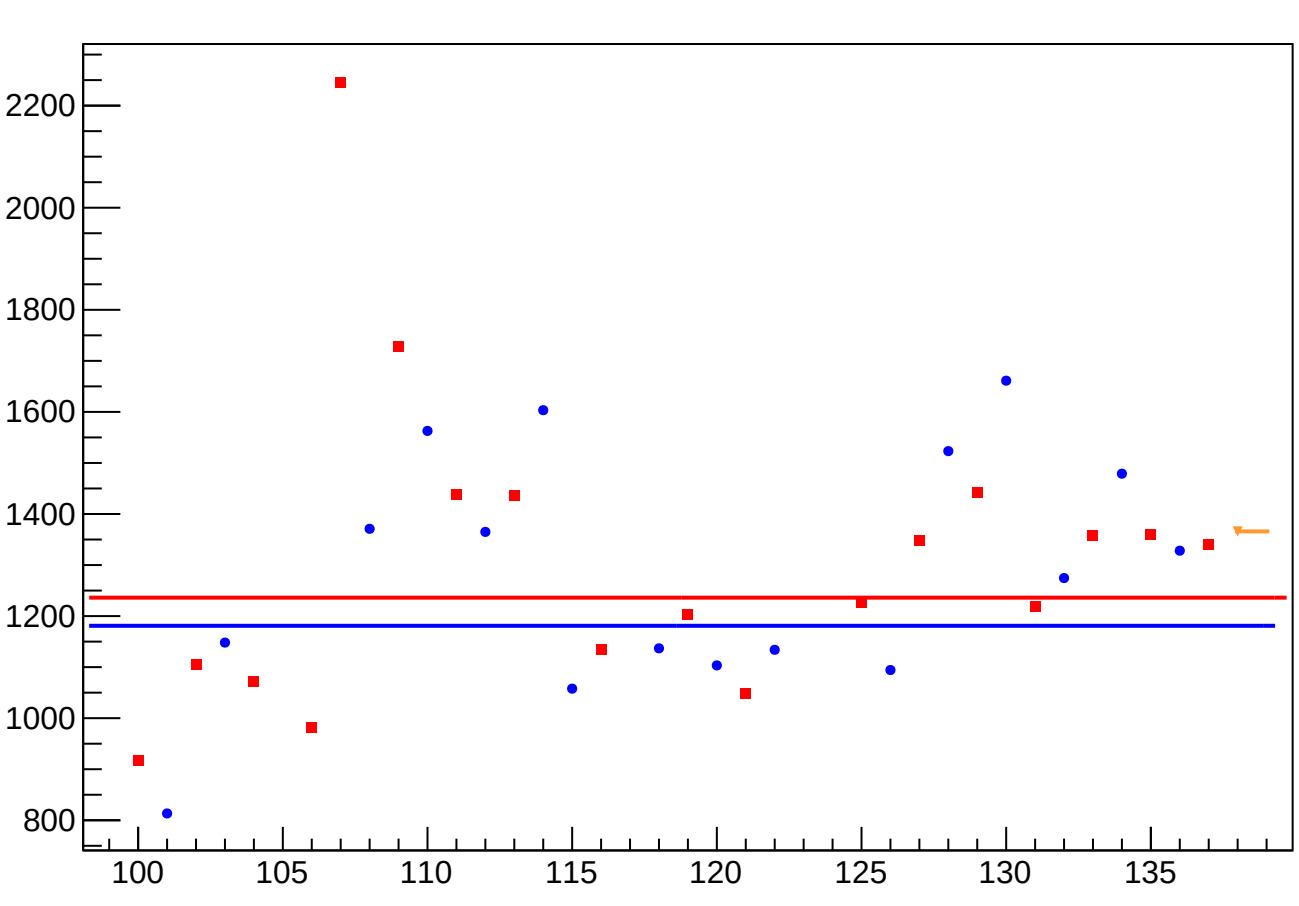
Left: 1185.800+/-1564.515 χ^2/NDF: 0.0/0

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

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

Out: 43.666+/-444.829 χ^2/NDF:15.7/18

All: -84.891+/-316.193 χ^2/NDF: 31.2/34



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

Left Out: 1365.922+/-1.106 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

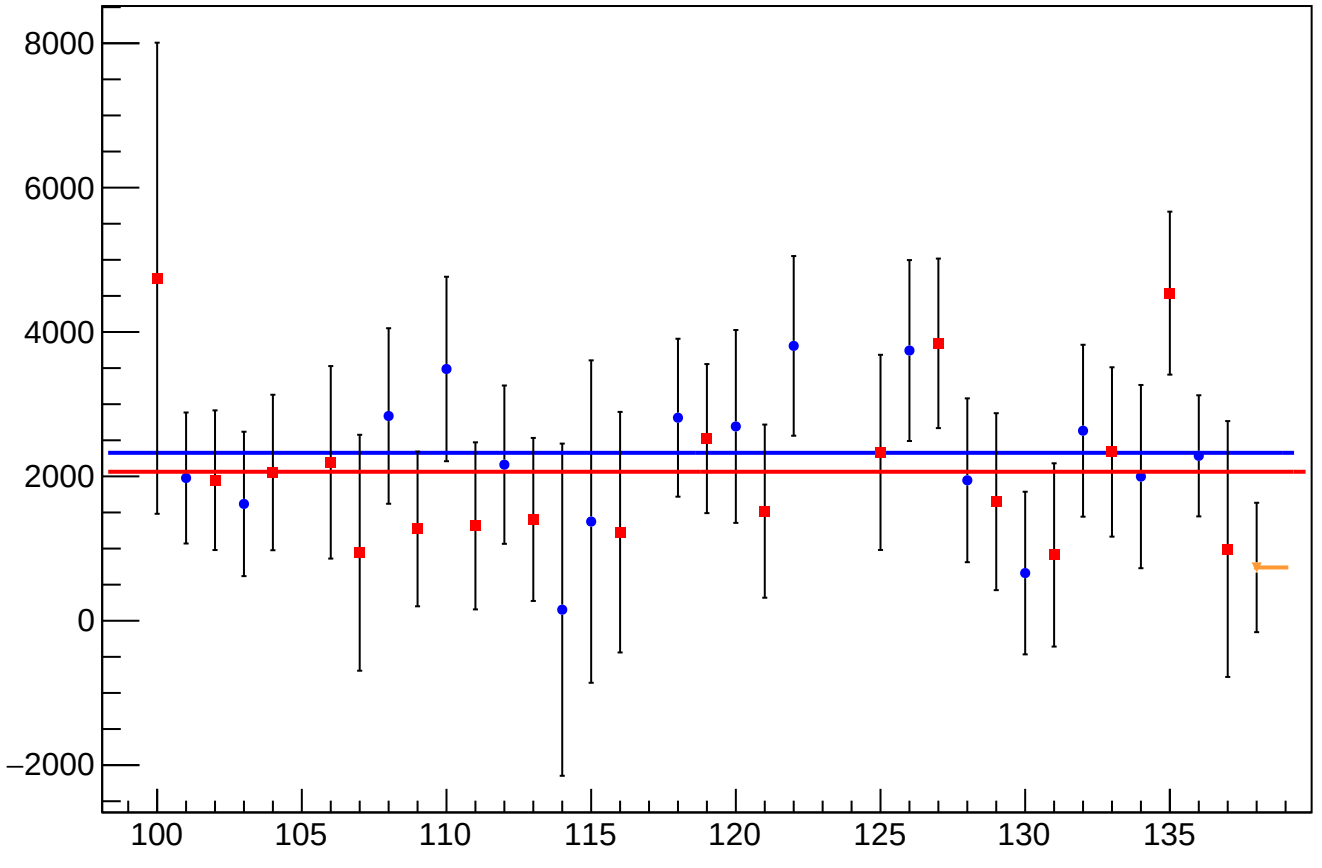
Left: 1365.922+/-1.106 χ^2/NDF: 0.0/0

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

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

Out: 1246.626+/-0.315 χ^2/NDF:409893.4/18

All: 1214.158+/-0.224 χ^2/NDF: 1002539.0/34



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

Left Out: 738.228+/-896.272 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

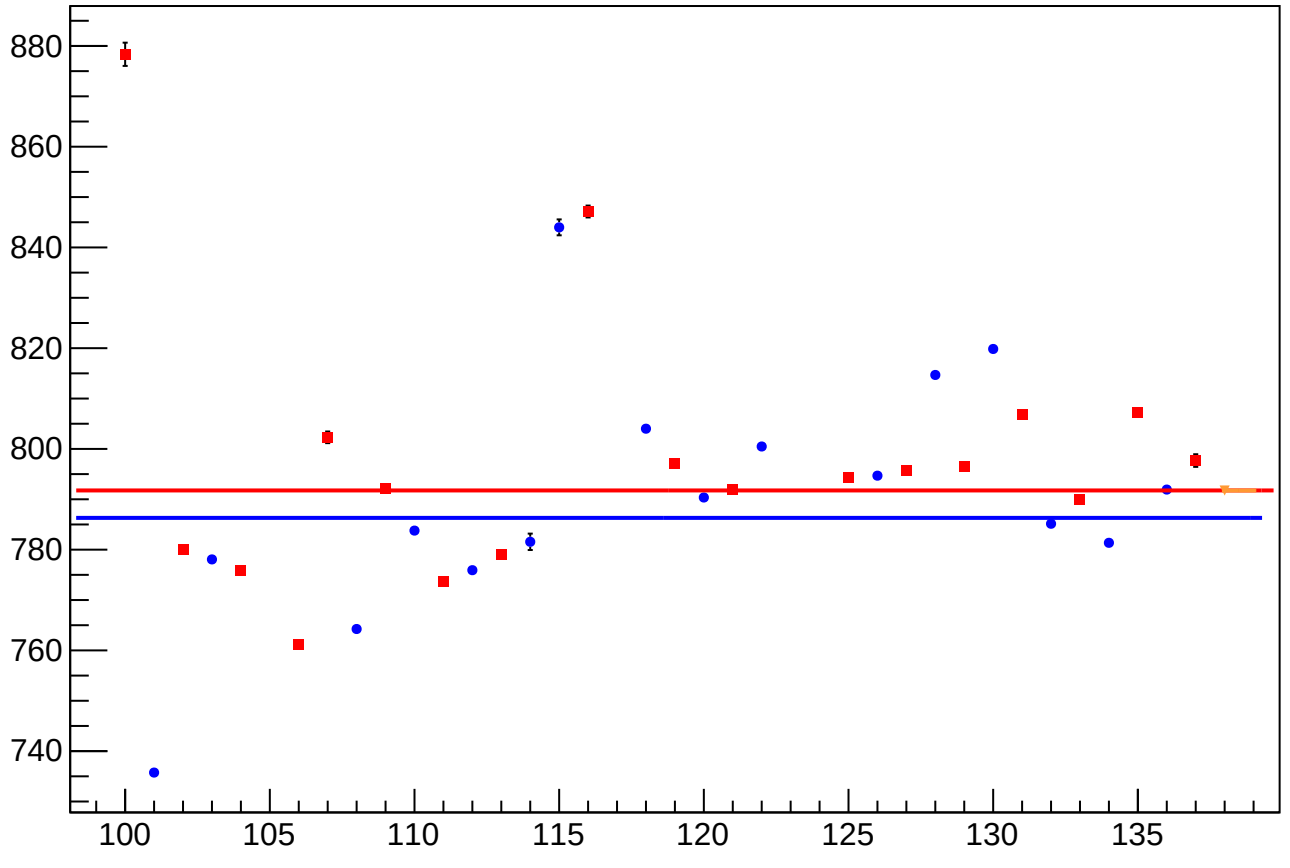
Left: 738.228+/-896.272 χ^2/NDF: 0.0/0

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

In: 2326.429+/-292.176 χ^2/NDF:8.1/15

Out: 1936.926+/-277.457 χ^2/NDF:13.6/18

All: 2121.620+/-201.194 χ^2/NDF: 22.7/34



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

Left Out: 791.743+/-0.634 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

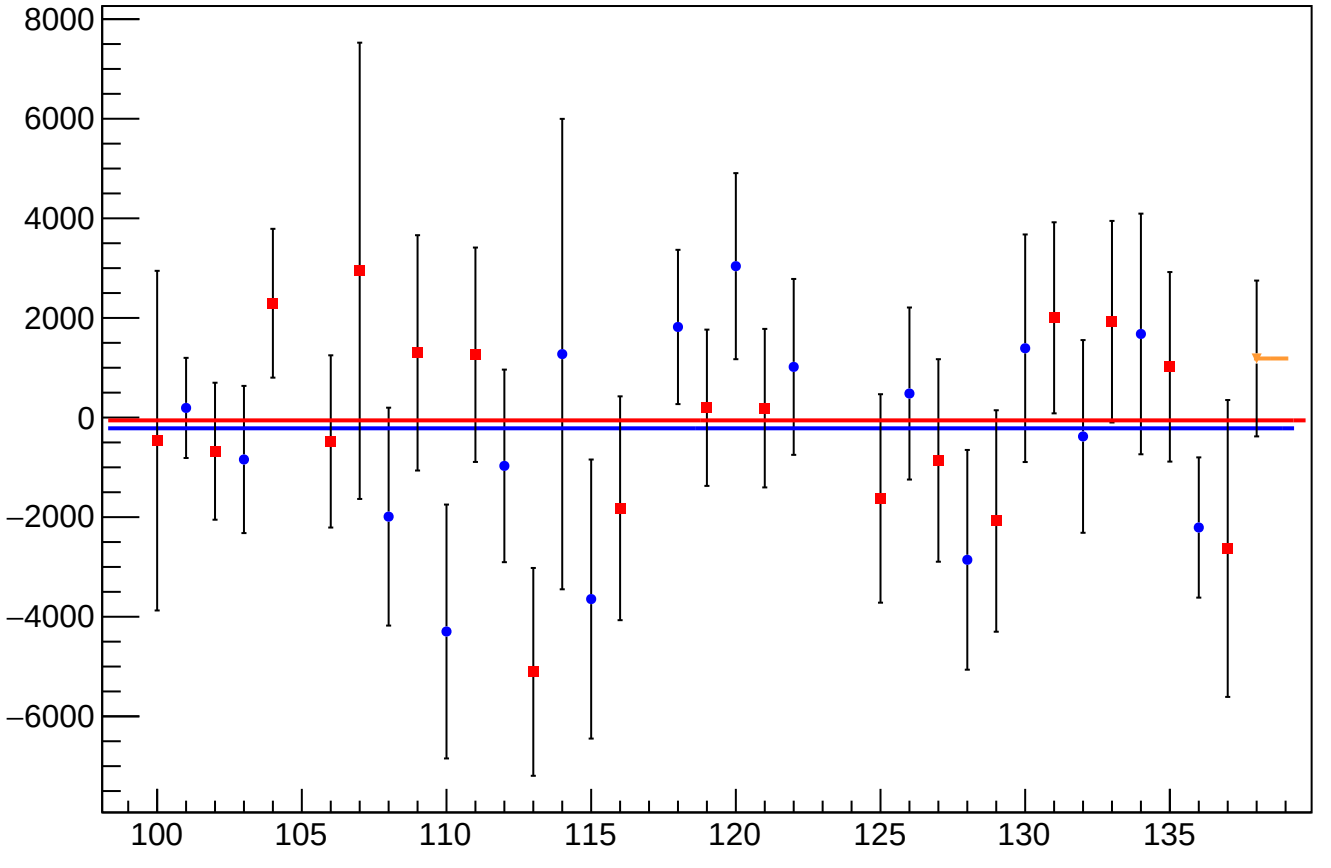
Left: 791.743+/-0.634 χ^2/NDF: 0.0/0

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

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

Out: 791.755+/-0.196 χ^2/NDF:7015.1/18

All: 789.173+/-0.142 χ^2/NDF: 19951.4/34



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

Left Out: 1185.805+/-1564.519 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

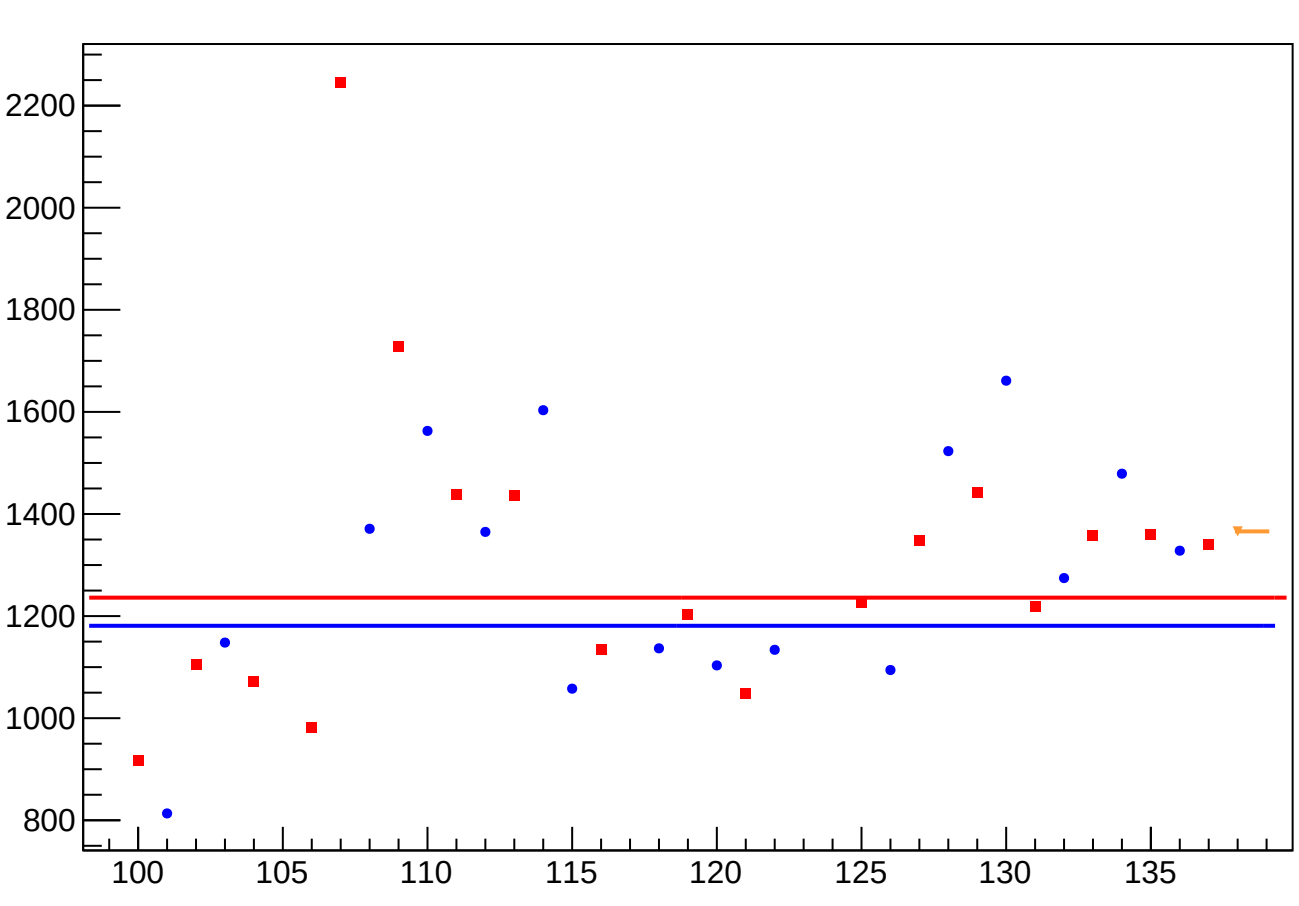
Left: 1185.805+/-1564.519 χ^2/NDF: 0.0/0

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

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

Out: 43.666+/-444.828 χ^2/NDF:15.7/18

All: -84.891+/-316.192 χ^2/NDF: 31.2/34



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

Left Out: 1365.926+/-0.106 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1365.926+/-1.106 χ^2/NDF: 0.0/0

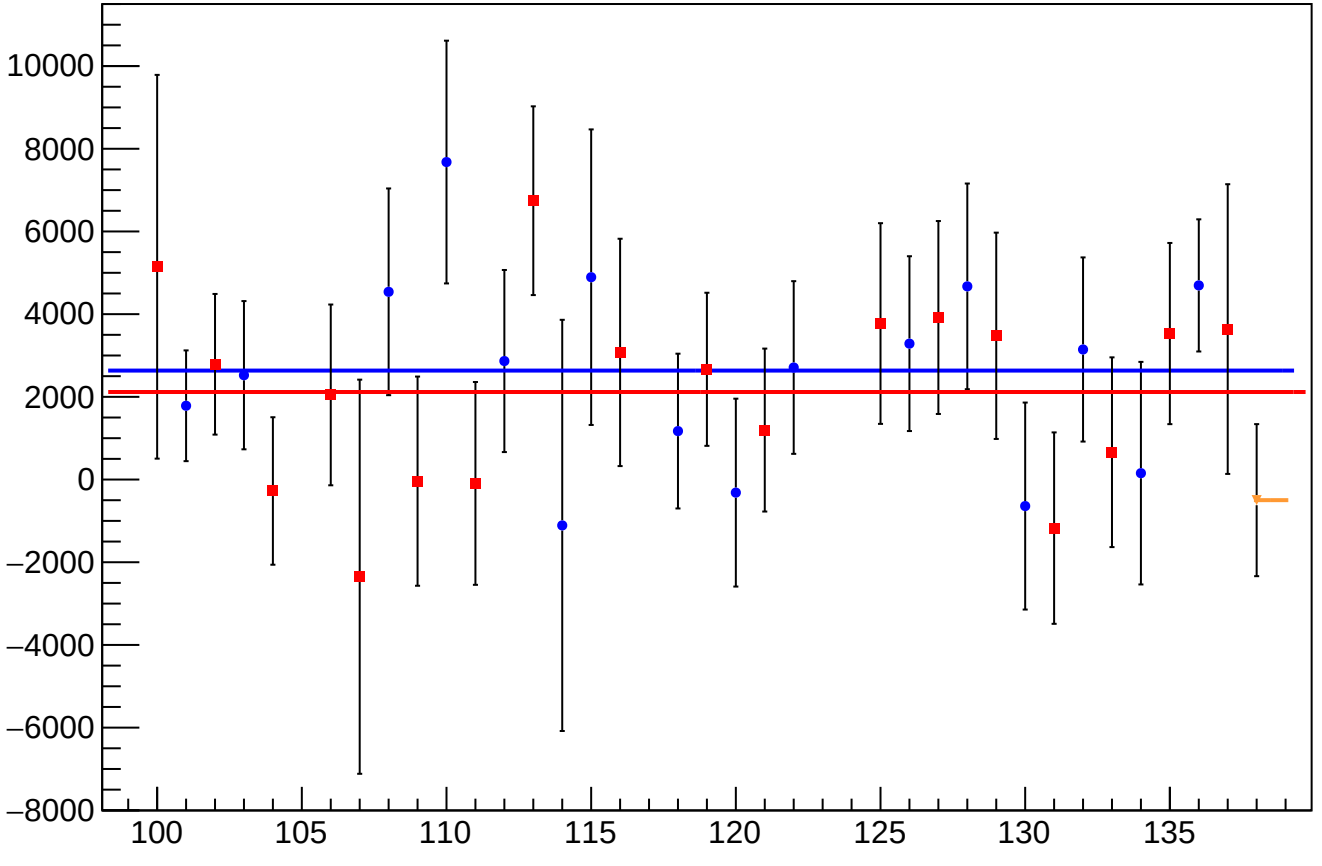
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

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

Out: 1246.623+/-0.315 χ^2/NDF:409893.1/18

All: 1214.155+/-0.224 χ^2/NDF: 1002536.8/34

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: -498.455+/-1838.651 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -498.455+/-1838.651 χ^2/NDF: 0.0/0

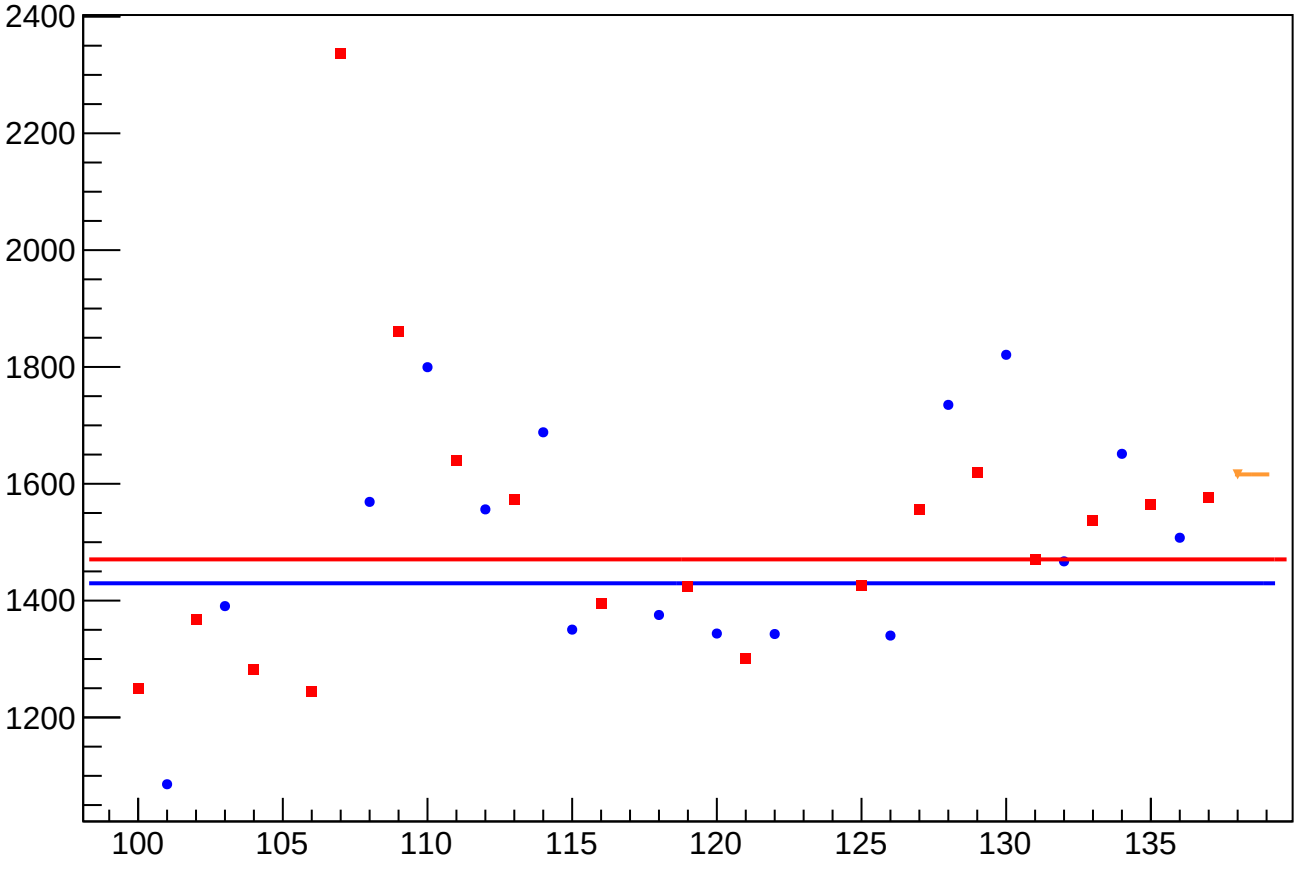
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

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

Out: 1904.140+/-524.716 χ^2/NDF:15.6/18

All: 2260.606+/-375.650 χ^2/NDF: 28.8/34

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1616.064+/-1.300 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

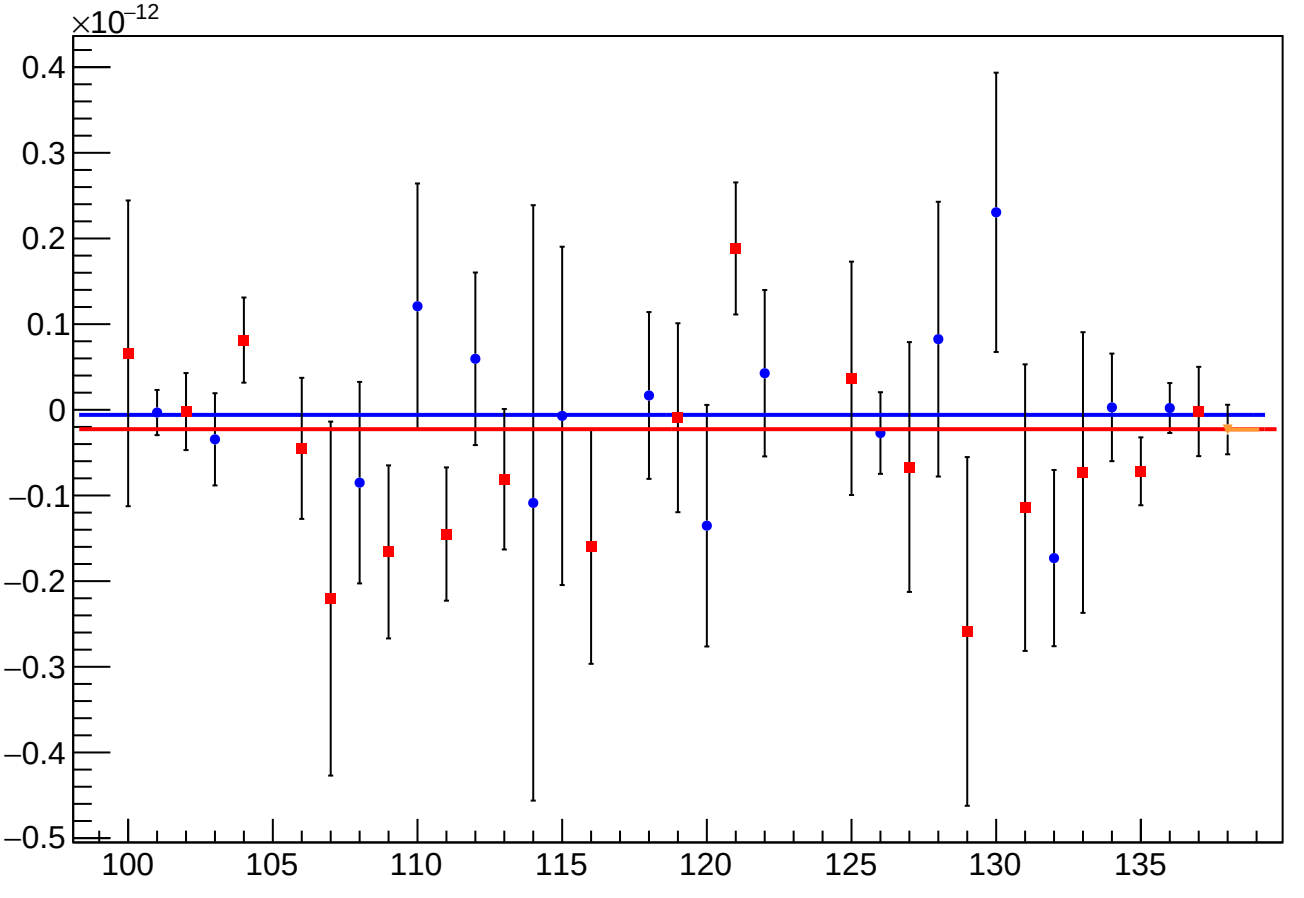
Left: 1616.064+/-1.300 χ^2/NDF: 0.0/0

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

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

Out: 1482.415+/-0.371 χ^2/NDF:229571.8/18

All: 1456.695+/-0.266 χ^2/NDF: 532817.5/34



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

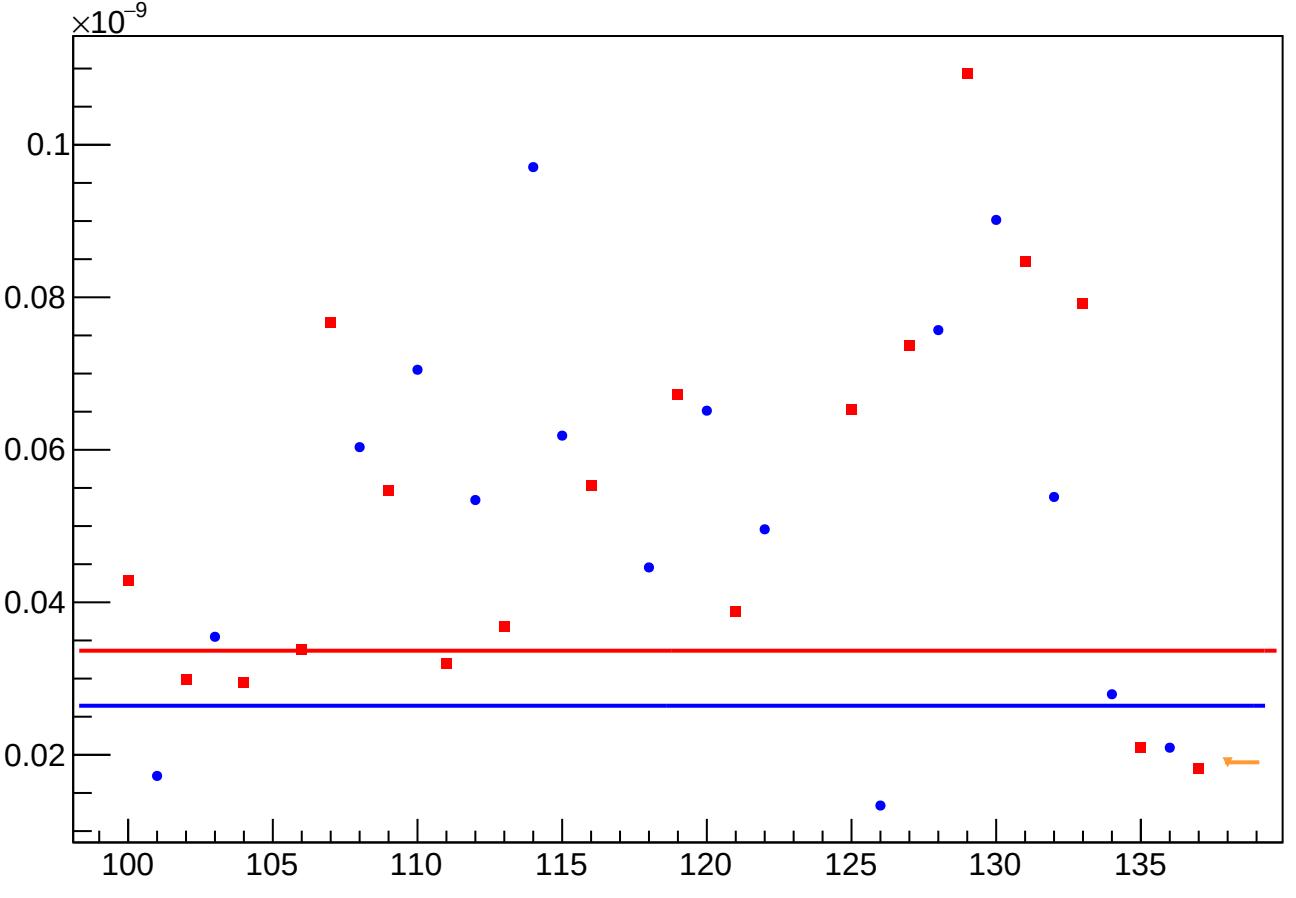
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

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

In: -0.000+/-0.000 χ^2/NDF:8.5/15

Out: -0.000+/-0.000 χ^2/NDF:23.1/18

All: -0.000+/-0.000 χ^2/NDF: 32.2/34



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

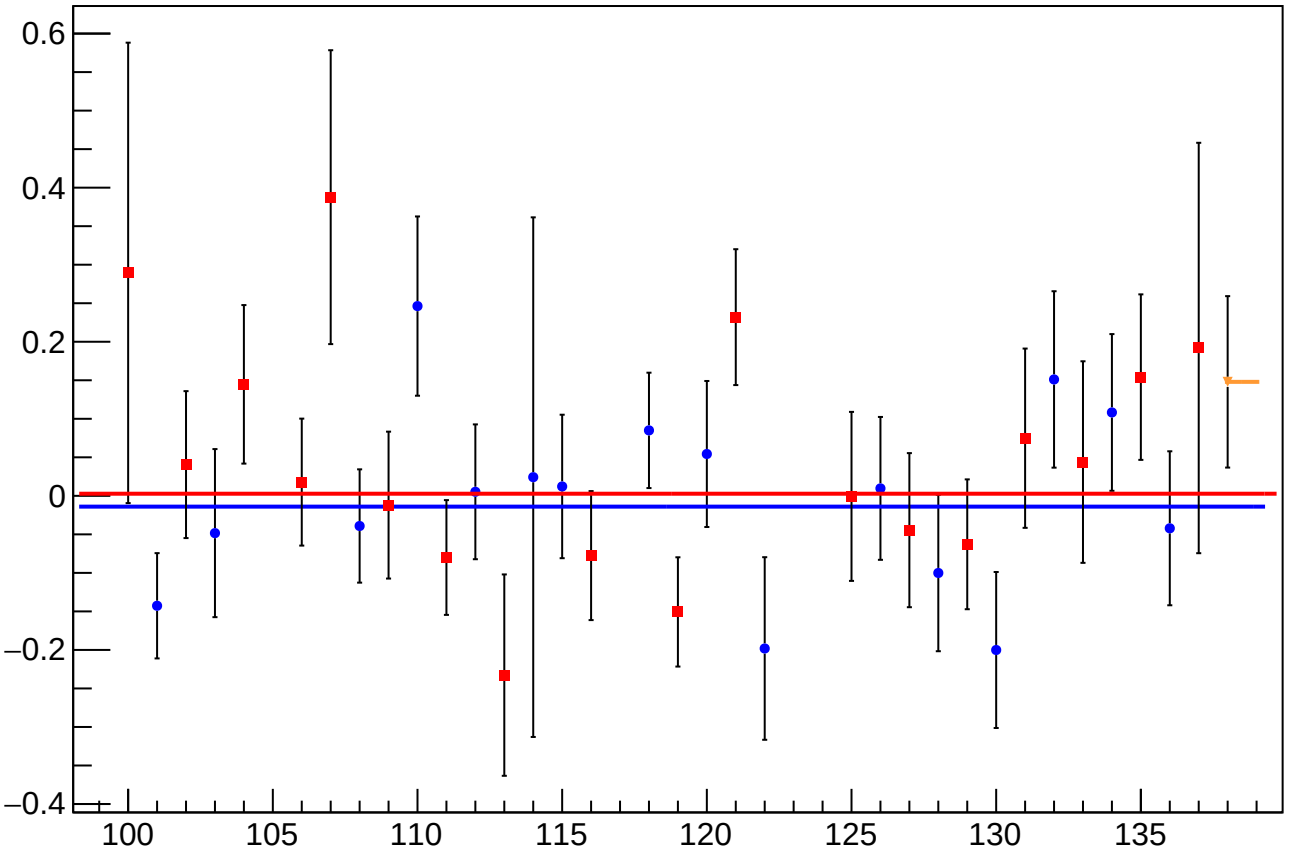
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

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

Out: 0.000+/-0.000 χ^2/NDF:2079066.8/18

All: 0.000+/-0.000 χ^2/NDF: 4257763.7/34



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

Left Out: 0.148+/-0.111 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

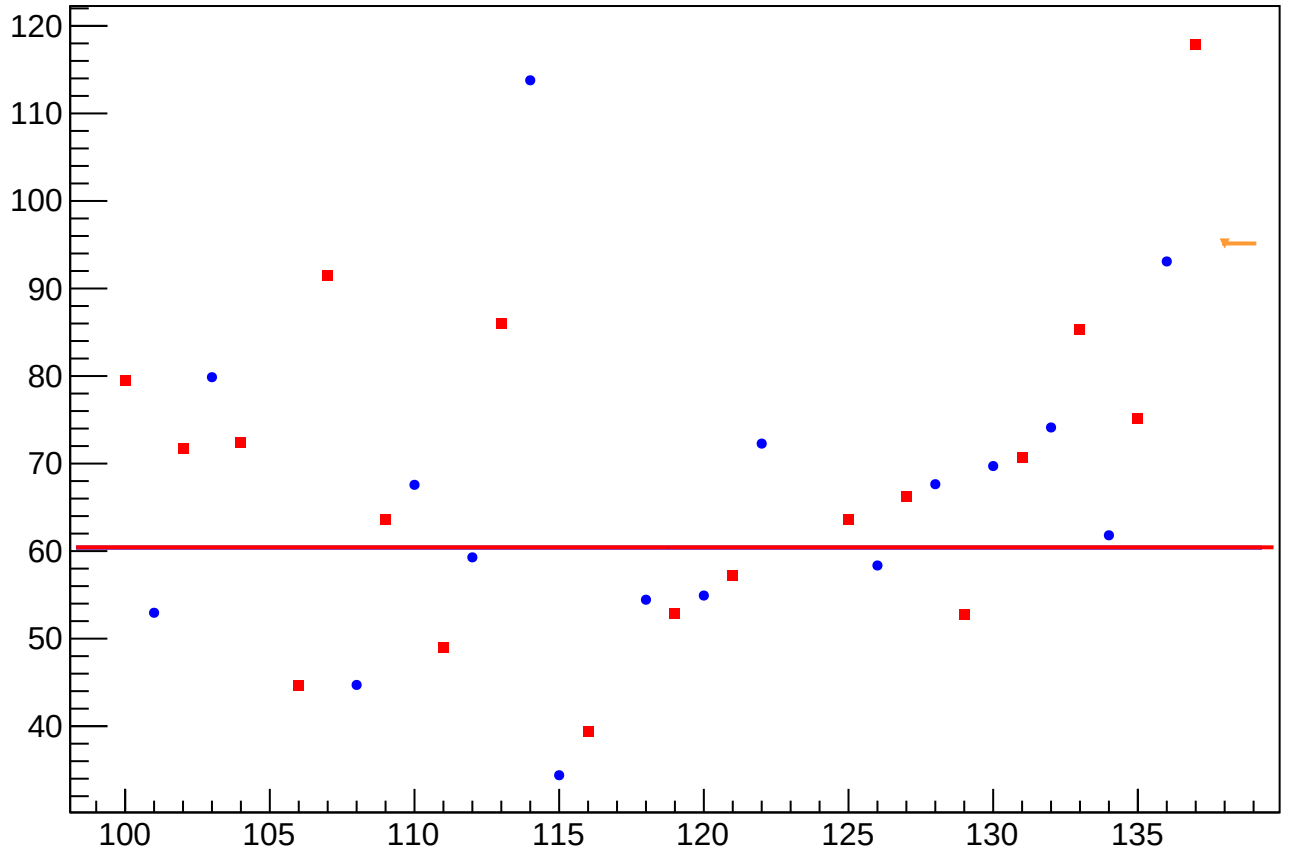
Left: 0.148+/-0.111 χ^2/NDF: 0.0/0

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

In: -0.014+/-0.024 χ^2/NDF:21.4/15

Out: 0.009+/-0.023 χ^2/NDF:29.4/18

All: -0.002+/-0.017 χ^2/NDF: 51.2/34



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

Left Out: 95.144+/-0.079 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

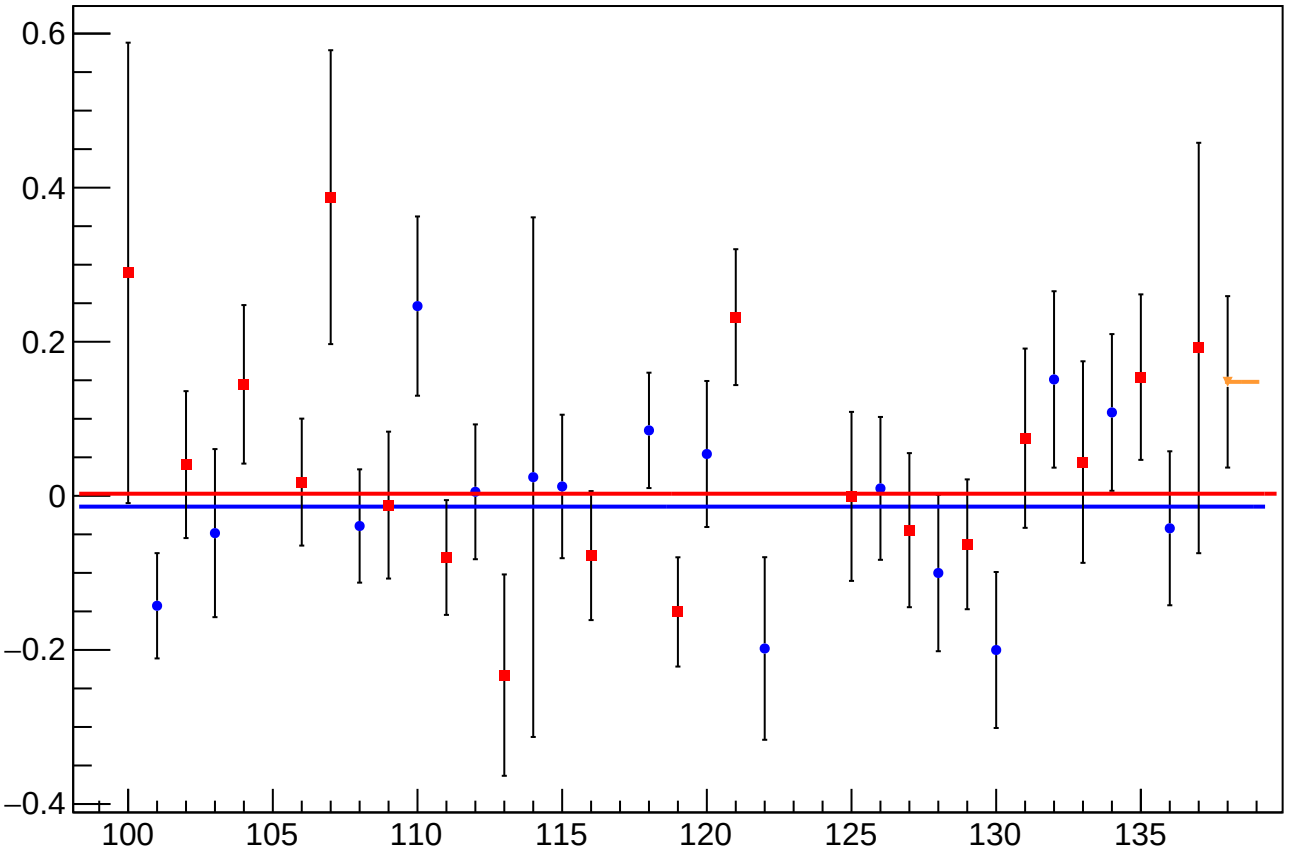
Left: 95.144+/-0.079 χ^2/NDF: 0.0/0

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

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

Out: 61.952+/-0.016 χ^2/NDF:897238.3/18

All: 61.195+/-0.012 χ^2/NDF: 1604736.7/34



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

Left Out: 0.148+/-0.111 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

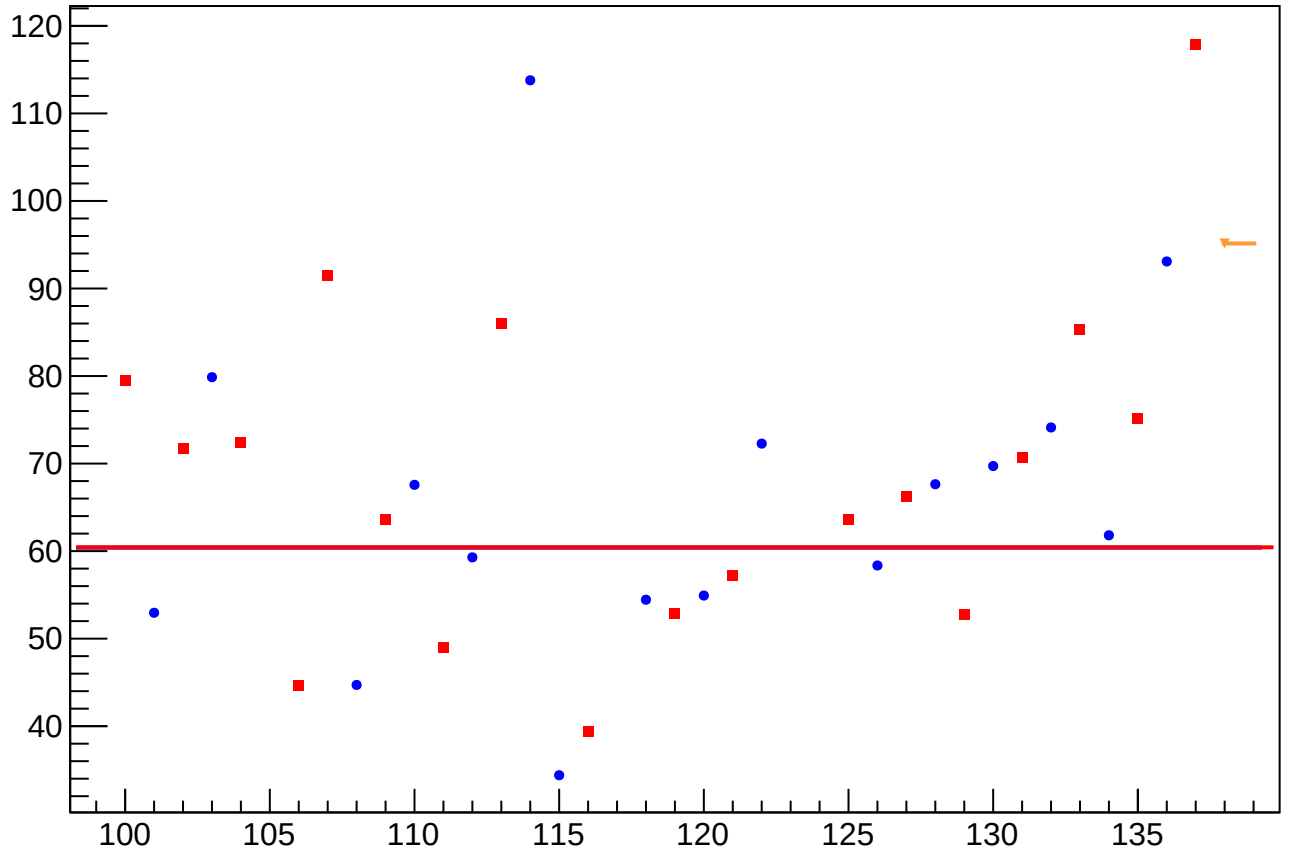
Left: 0.148+/-0.111 χ^2/NDF: 0.0/0

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

In: -0.014+/-0.024 χ^2/NDF:21.4/15

Out: 0.009+/-0.023 χ^2/NDF:29.4/18

All: -0.002+/-0.017 χ^2/NDF: 51.2/34



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

Left Out: 95.144+/-0.079 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

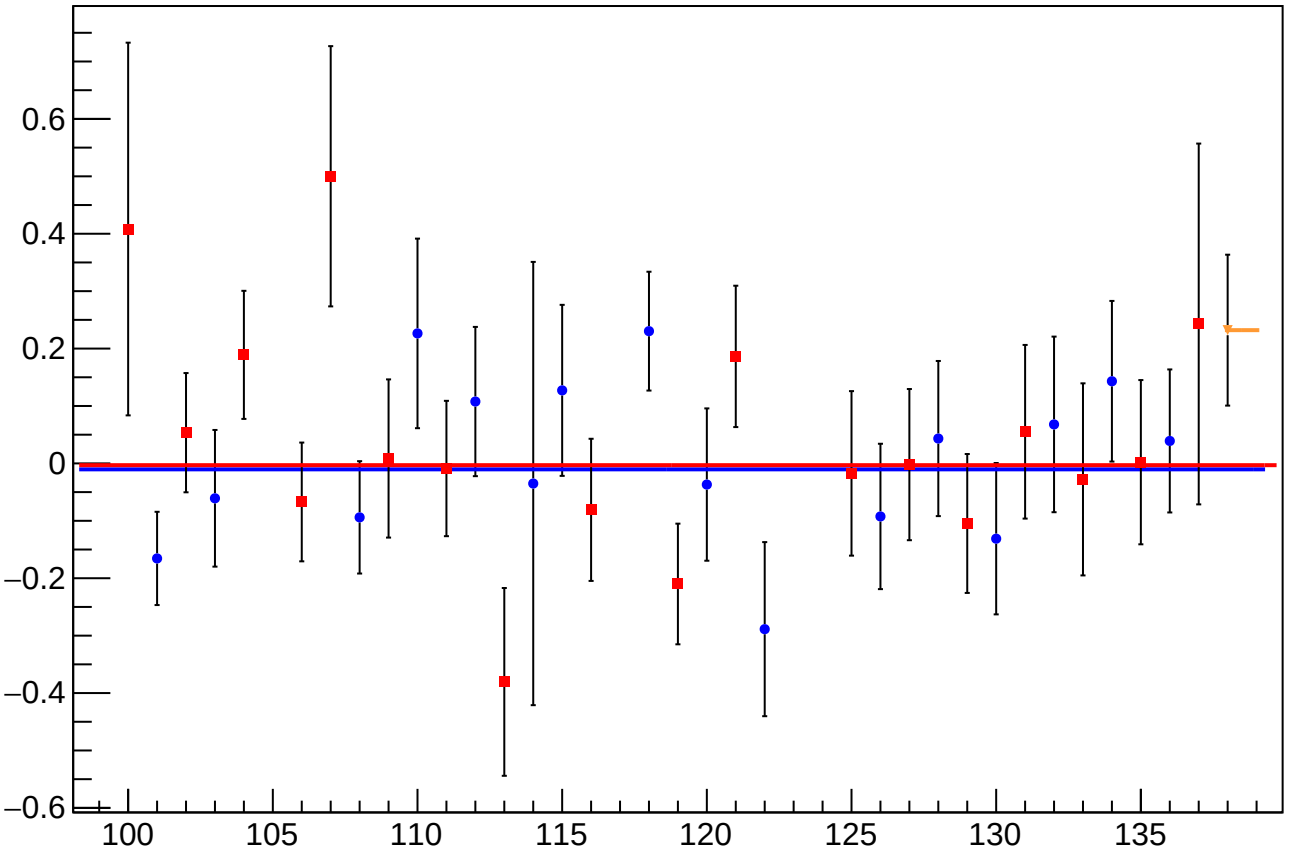
Left: 95.144+/-0.079 χ^2/NDF: 0.0/0

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

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

Out: 61.952+/-0.016 χ^2/NDF:897238.3/18

All: 61.195+/-0.012 χ^2/NDF: 1604736.7/34



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

Left Out: 0.232+/-0.131 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

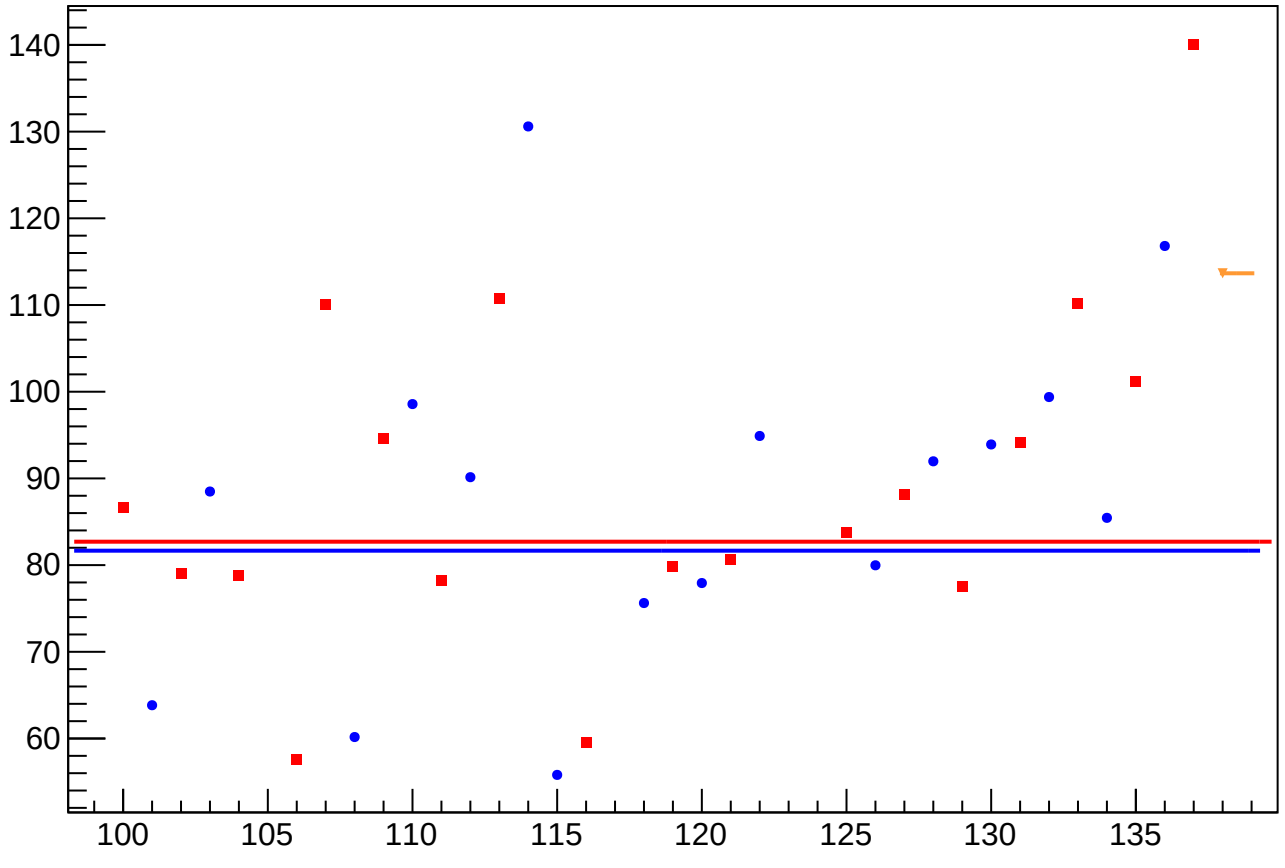
Left: 0.232+/-0.131 χ^2/NDF: 0.0/0

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

In: -0.010+/-0.032 χ^2/NDF:20.2/15

Out: 0.010+/-0.031 χ^2/NDF:26.7/18

All: -0.000+/-0.022 χ^2/NDF: 47.1/34



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

Left Out: 113.659+/-0.093 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

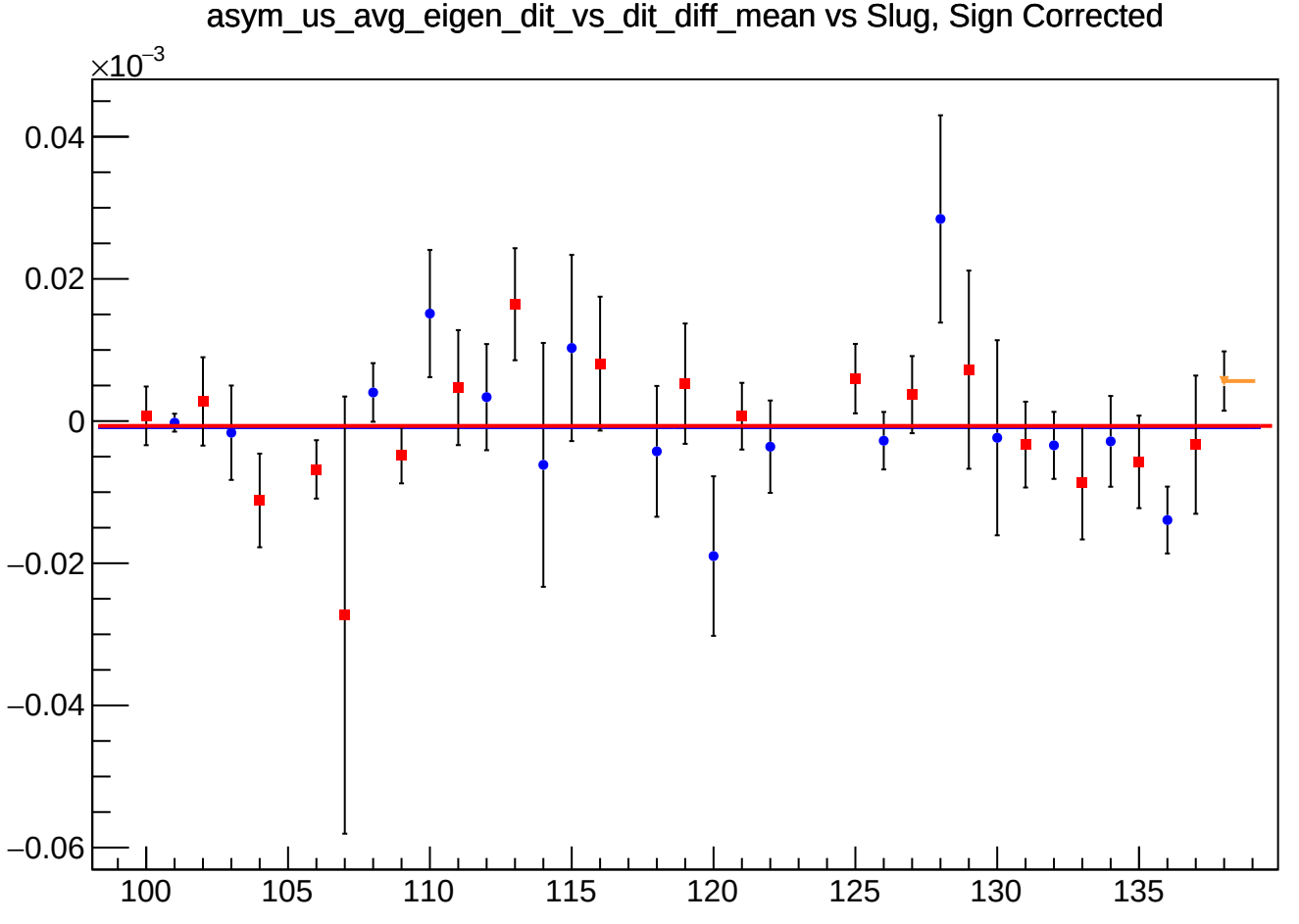
Left: 113.659+/-0.093 χ^2/NDF: 0.0/0

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

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

Out: 84.407+/-0.022 χ^2/NDF:577924.6/18

All: 83.069+/-0.016 χ^2/NDF: 1147490.6/34



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

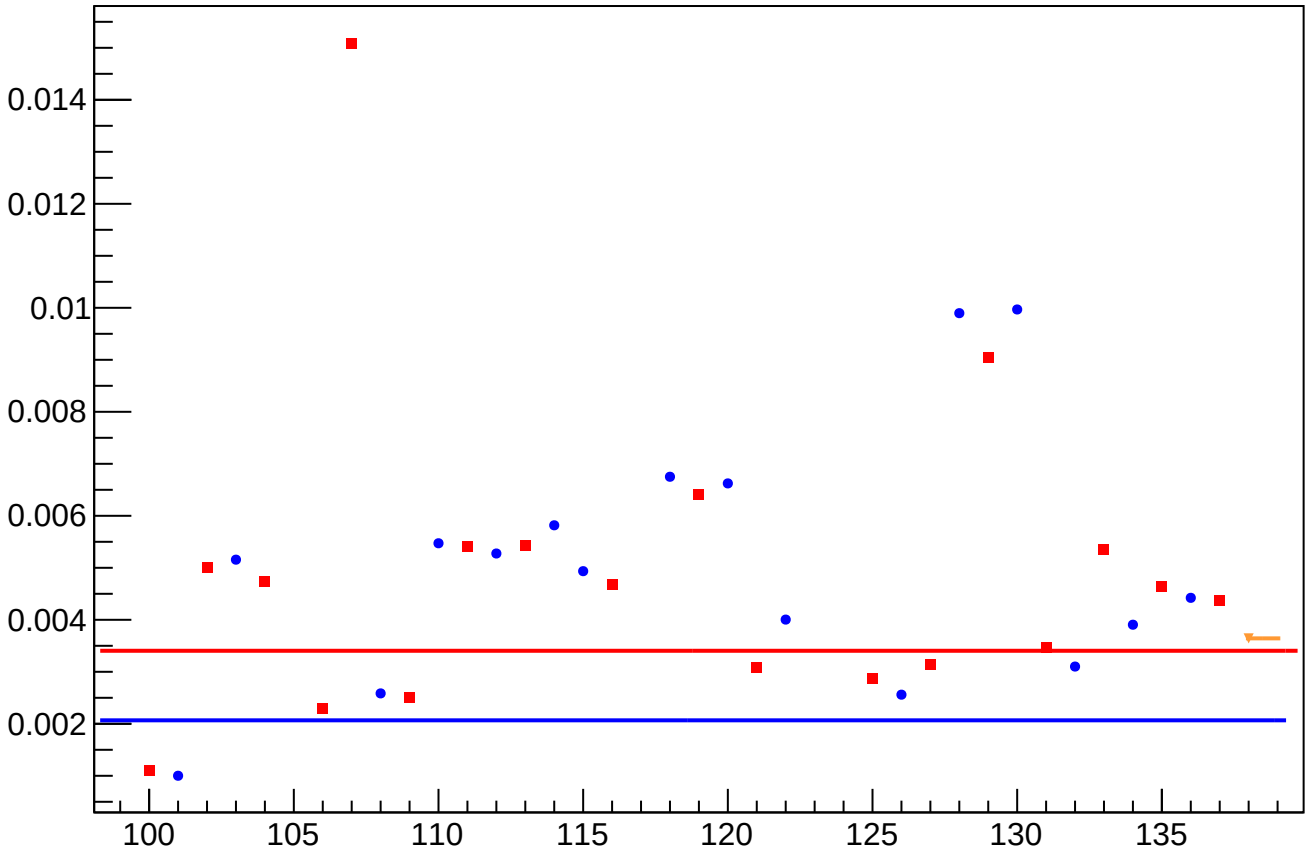
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

In: -0.000+/-0.000 χ^2/NDF:21.3/15

Out: -0.000+/-0.000 χ^2/NDF:20.4/18

All: -0.000+/-0.000 χ^2/NDF: 41.9/34



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

Left Out: 0.004+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

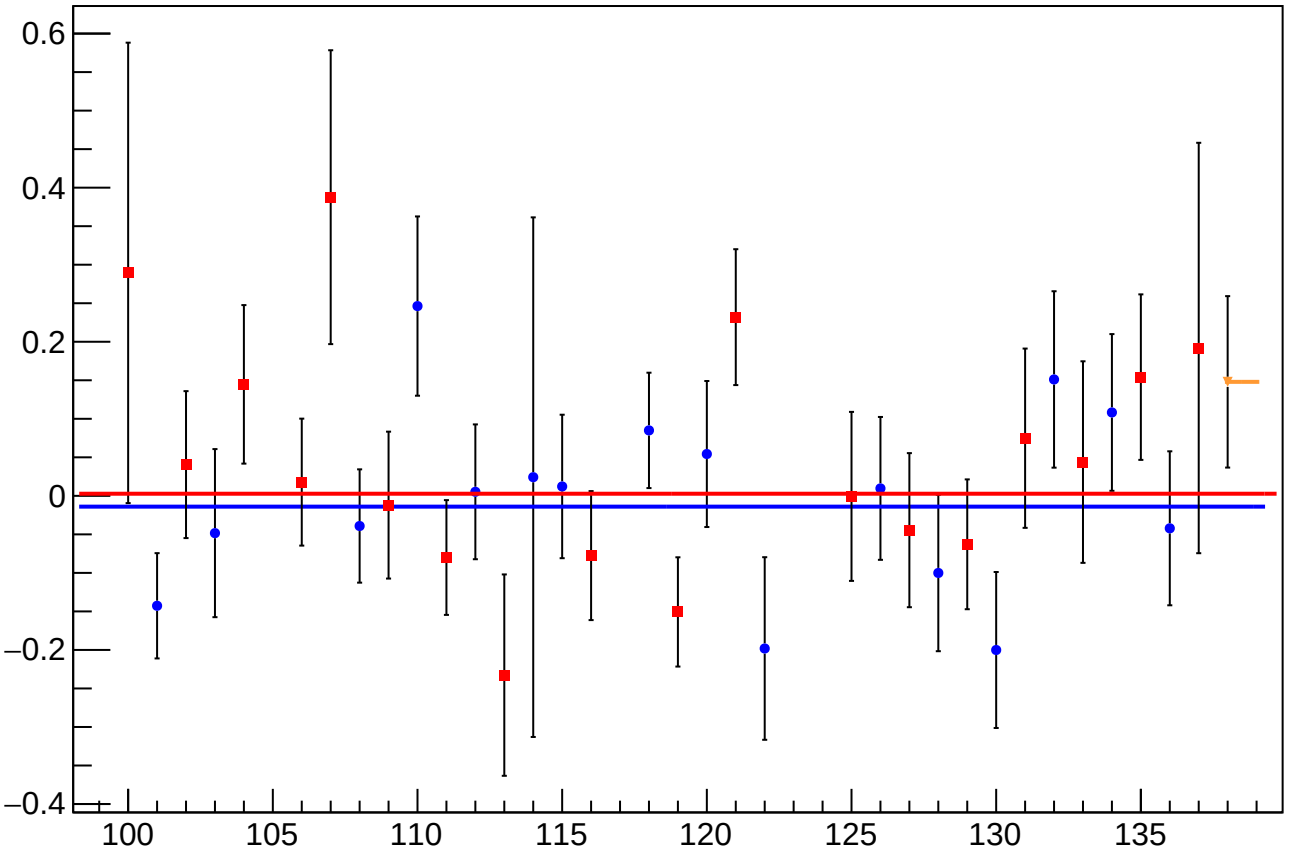
Left: 0.004+/-0.000 χ^2/NDF: 0.0/0

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

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

Out: 0.003+/-0.000 χ^2/NDF:2497159.7/18

All: 0.003+/-0.000 χ^2/NDF: 9620220.7/34



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

Left Out: 0.148+/-0.111 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

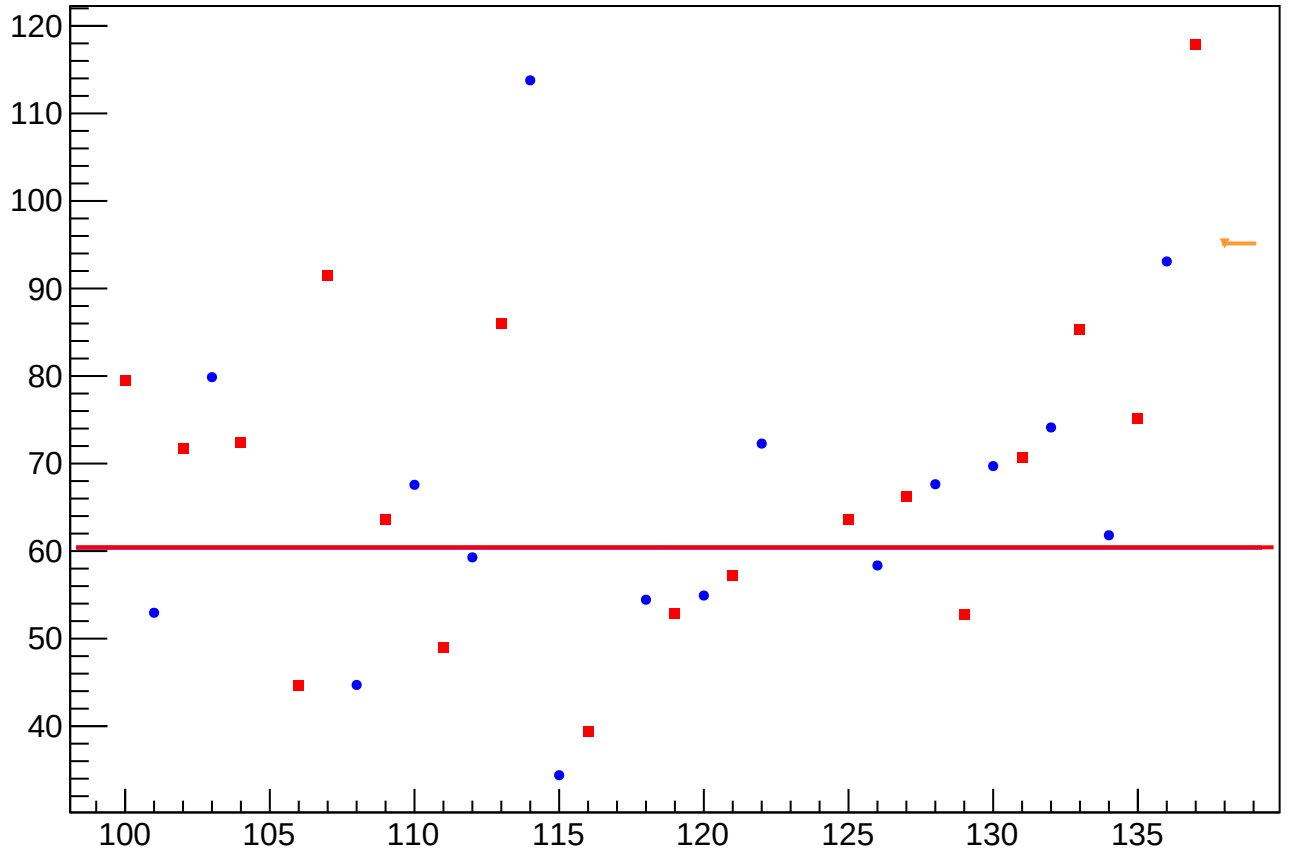
Left: 0.148+/-0.111 χ^2/NDF: 0.0/0

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

In: -0.014+/-0.024 χ^2/NDF:21.4/15

Out: 0.009+/-0.023 χ^2/NDF:29.4/18

All: -0.002+/-0.017 χ^2/NDF: 51.2/34



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

Left Out: 95.145+/-0.079 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 95.145+/-0.079 χ^2/NDF: 0.0/0

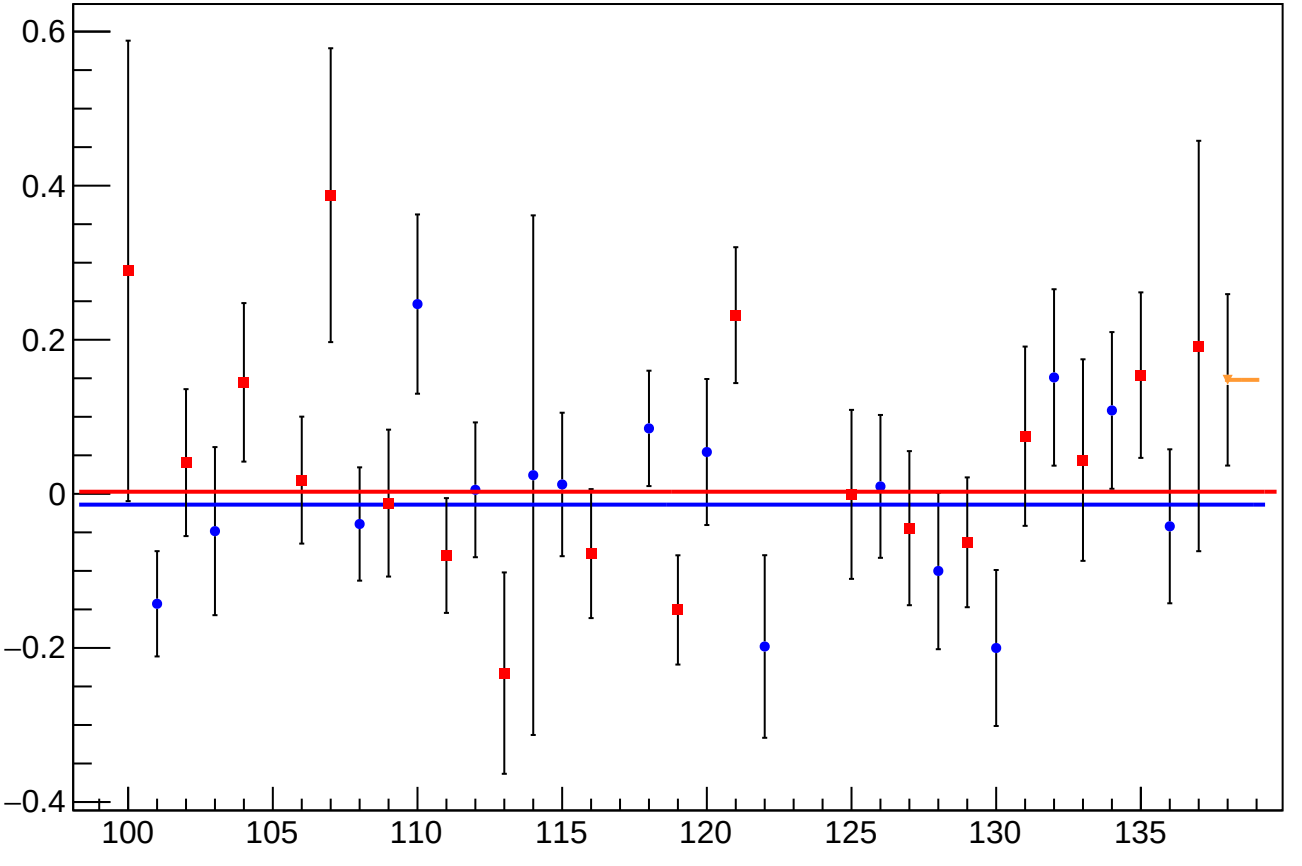
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

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

Out: 61.950+/-0.016 χ^2/NDF:897289.2/18

All: 61.194+/-0.012 χ^2/NDF: 1604798.4/34

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.148+/-0.111 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.148+/-0.111 χ^2/NDF: 0.0/0

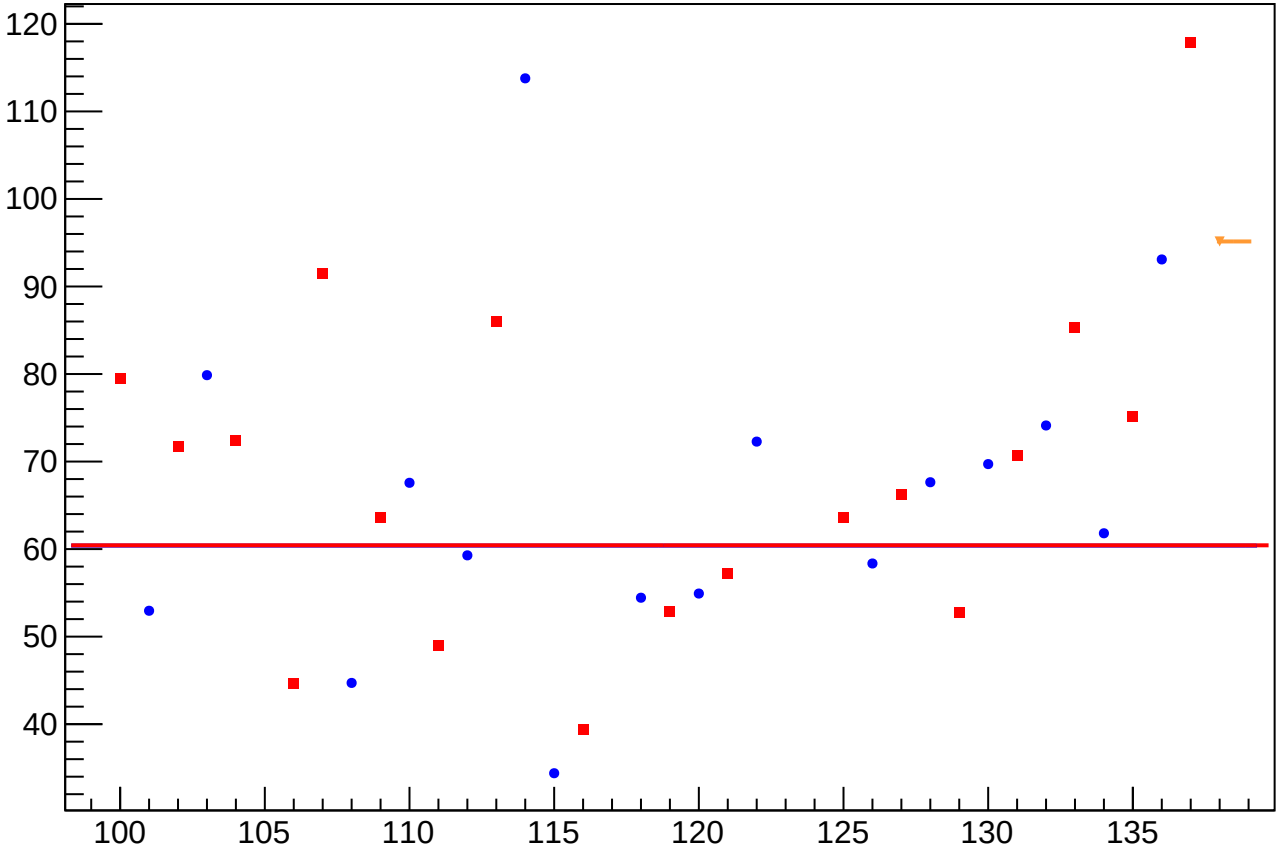
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.014+/-0.024 χ^2/NDF:21.4/15

Out: 0.009+/-0.023 χ^2/NDF:29.4/18

All: -0.002+/-0.017 χ^2/NDF: 51.2/34

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 95.145+/-0.079 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

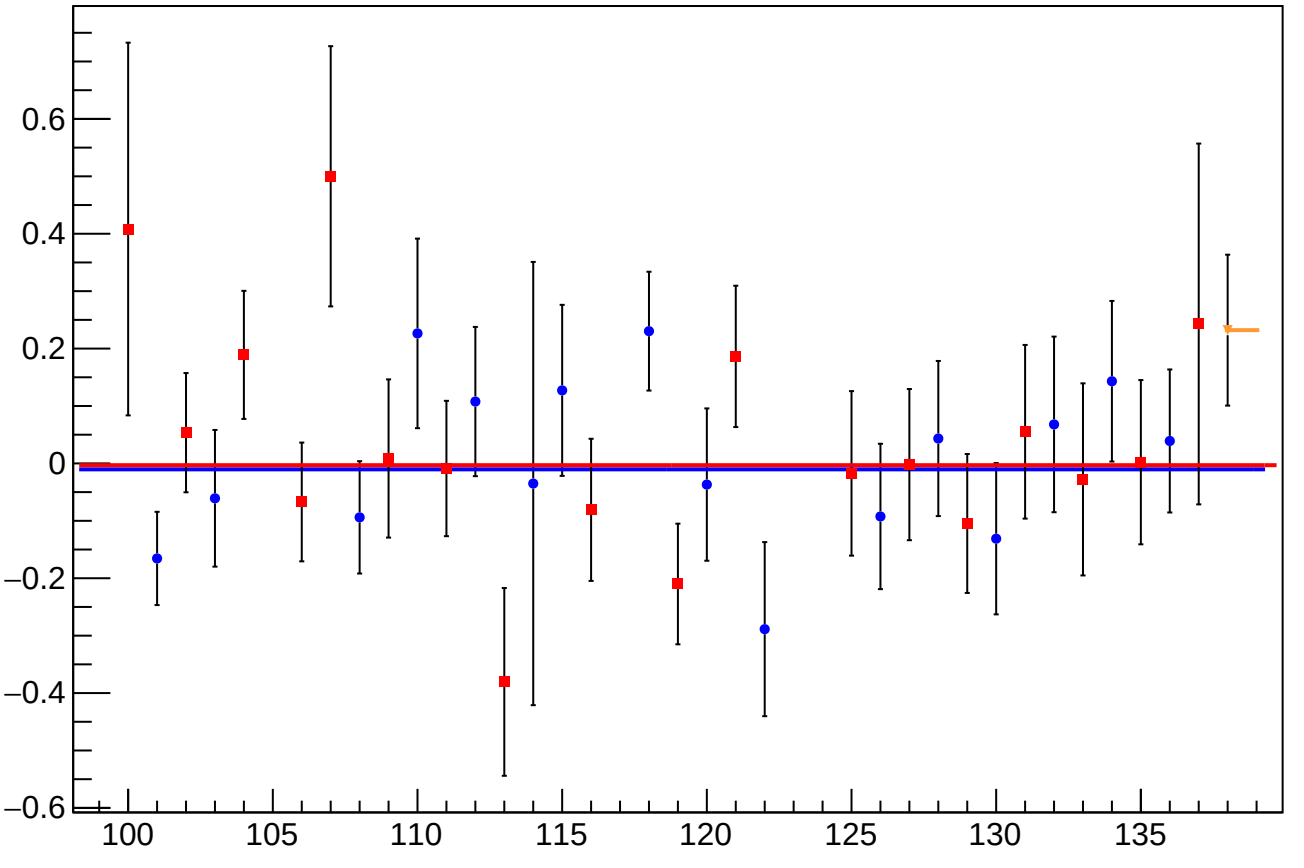
Left: 95.145+/-0.079 χ^2/NDF: 0.0/0

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

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

Out: 61.950+/-0.016 χ^2/NDF:897289.2/18

All: 61.194+/-0.012 χ^2/NDF: 1604798.4/34



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

Left Out: 0.232+/-0.131 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

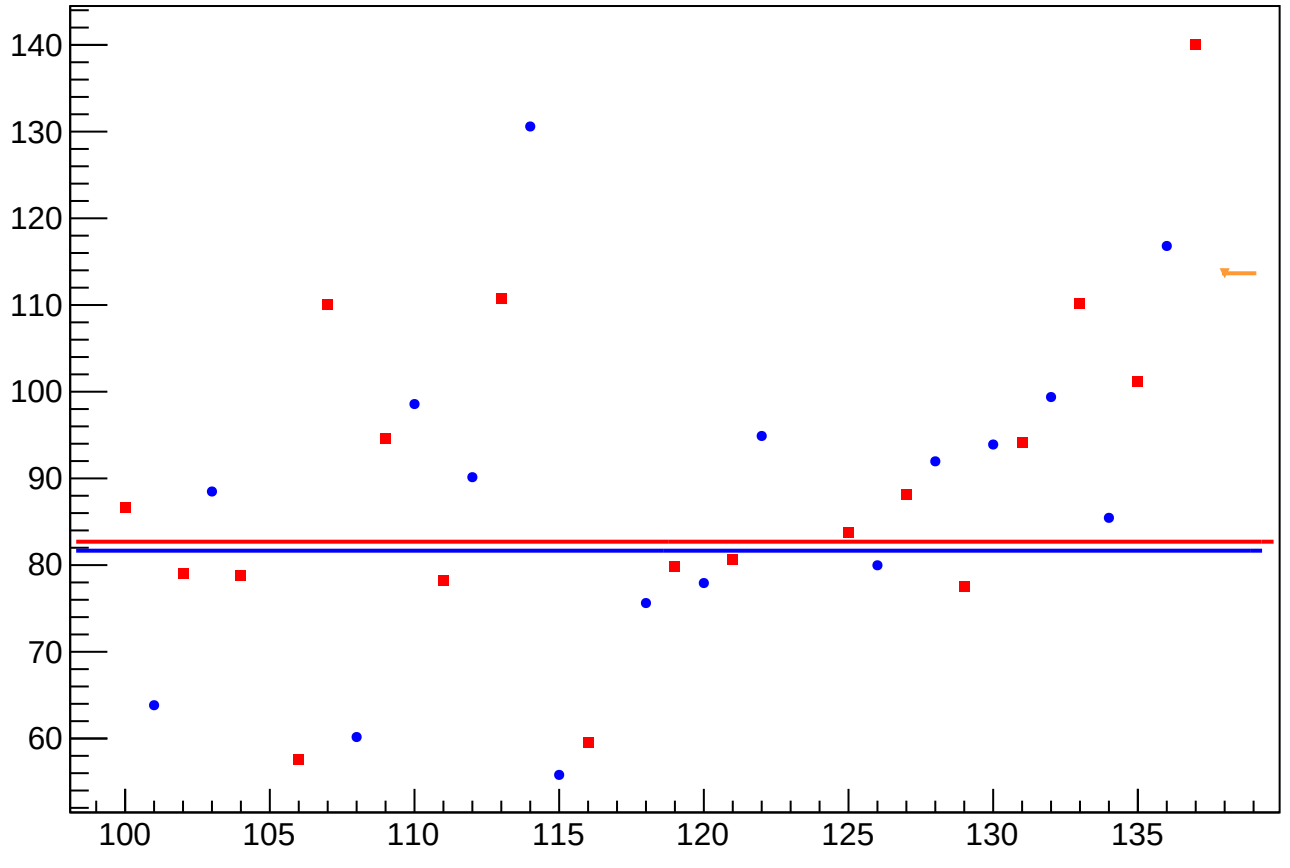
Left: 0.232+/-0.131 χ^2/NDF: 0.0/0

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

In: -0.010+/-0.032 χ^2/NDF:20.2/15

Out: 0.010+/-0.031 χ^2/NDF:26.7/18

All: -0.000+/-0.022 χ^2/NDF: 47.1/34



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

Left Out: 113.659+/-0.093 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

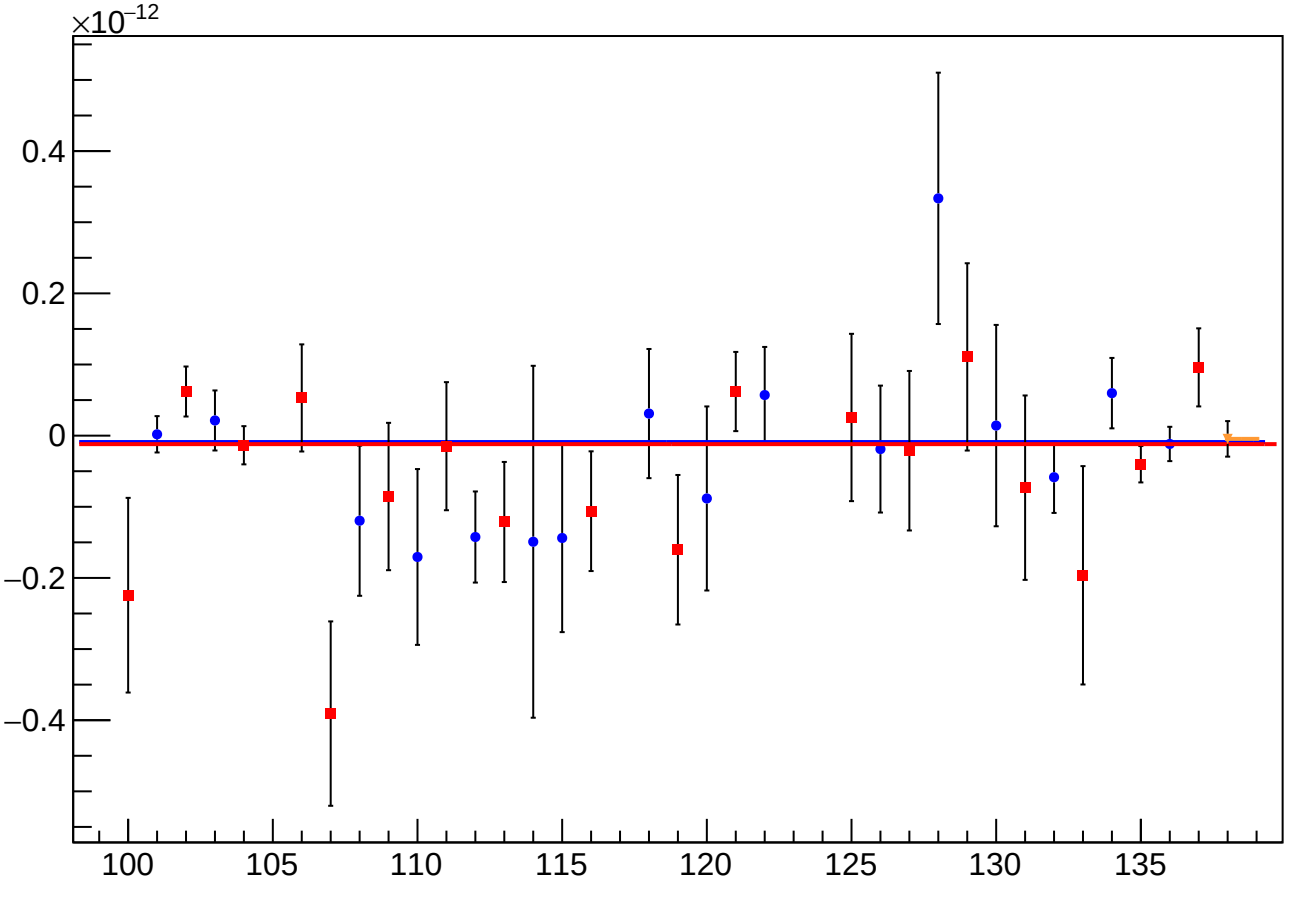
Left: 113.659+/-0.093 χ^2/NDF: 0.0/0

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

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

Out: 84.406+/-0.022 χ^2/NDF:577929.2/18

All: 83.068+/-0.016 χ^2/NDF: 1147481.9/34



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

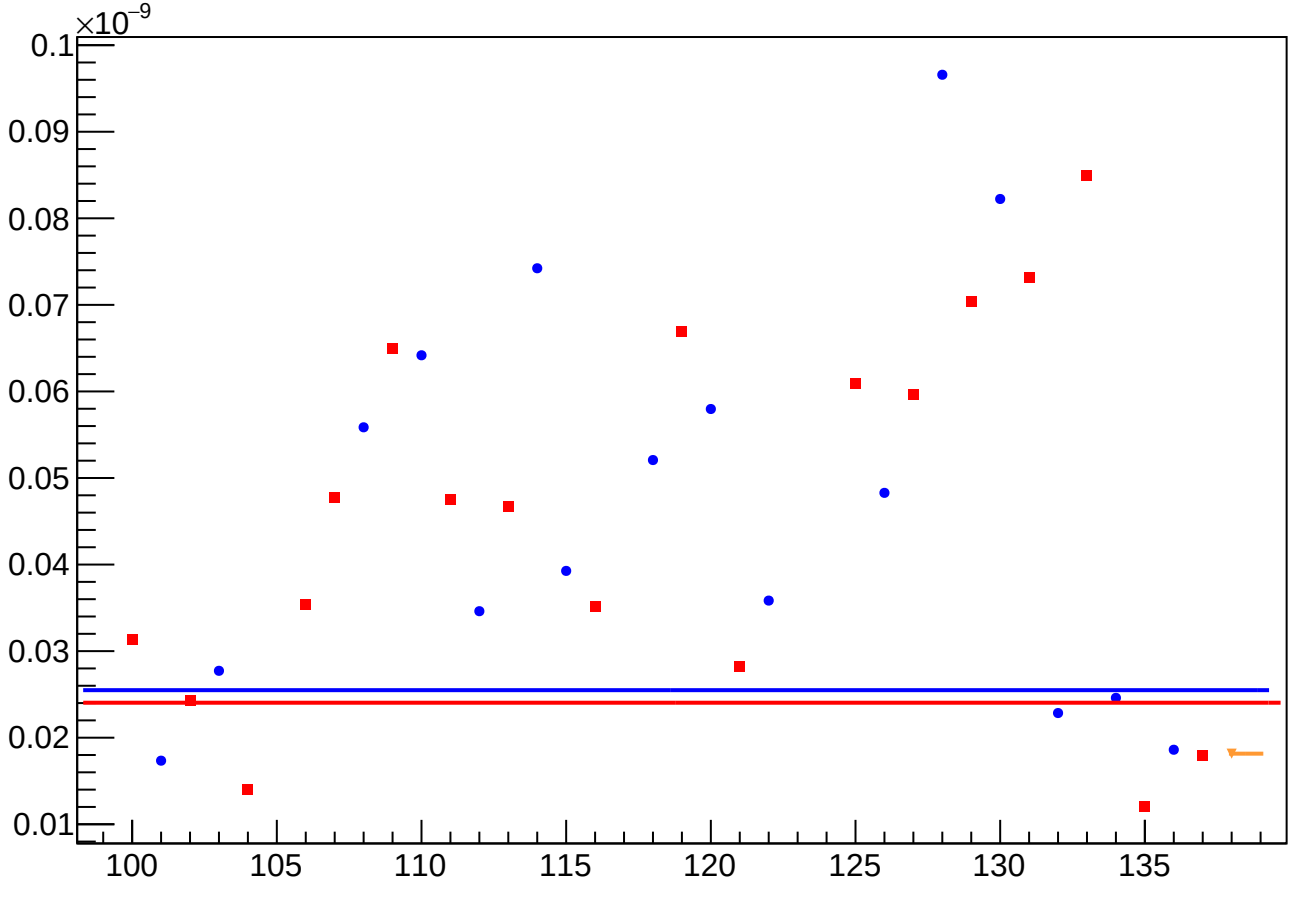
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

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

In: -0.000+/-0.000 χ^2/NDF:17.4/15

Out: -0.000+/-0.000 χ^2/NDF:31.1/18

All: -0.000+/-0.000 χ^2/NDF: 48.6/34



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

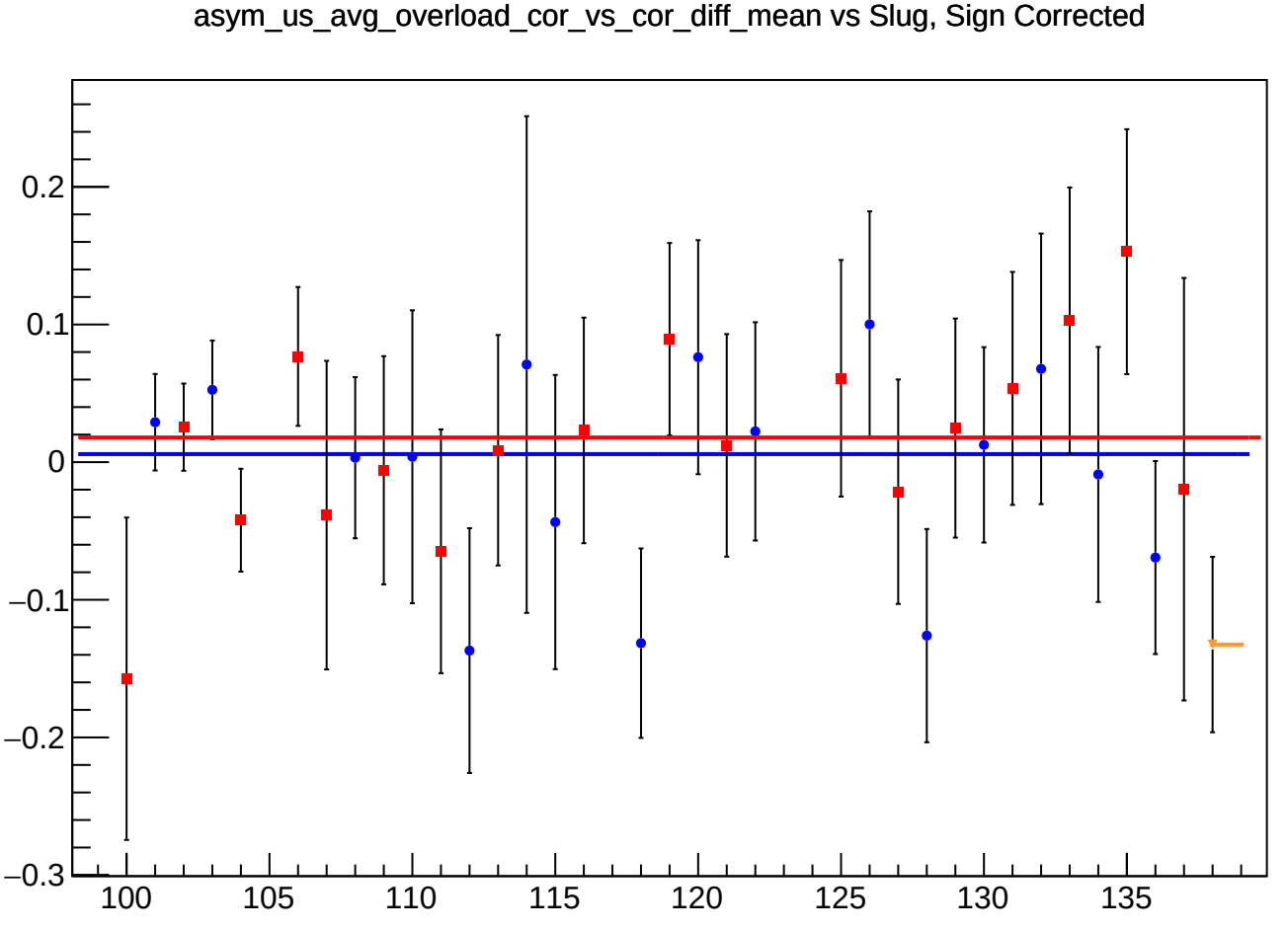
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

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

Out: 0.000+/-0.000 χ^2/NDF:3170756.2/18

All: 0.000+/-0.000 χ^2/NDF: 5219156.6/34



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

Left Out: -0.133+/-0.064 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

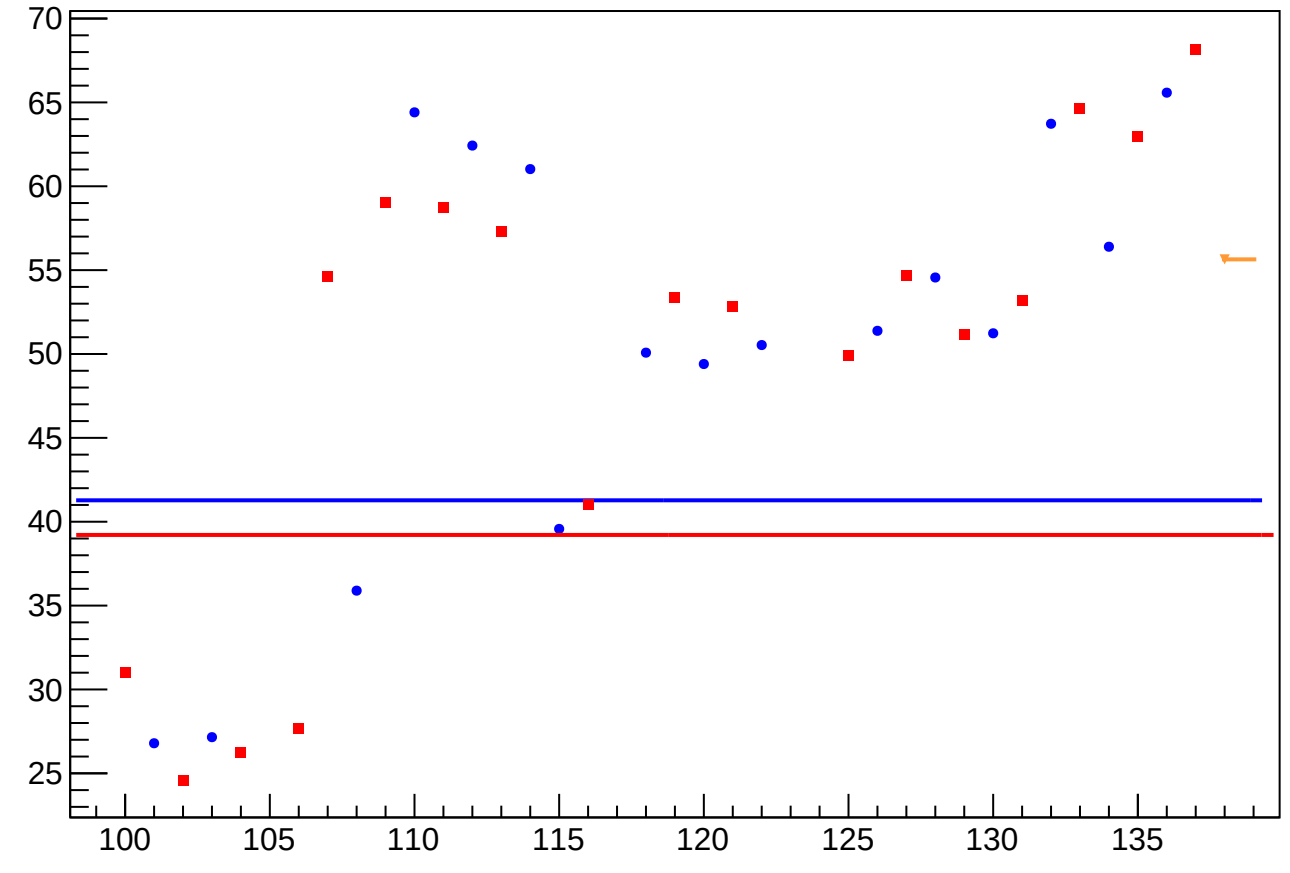
Left: -0.133+/-0.064 χ^2/NDF: 0.0/0

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: 0.006+/-0.017 χ^2/NDF:15.6/15

Out: 0.009+/-0.015 χ^2/NDF:17.6/18

All: 0.008+/-0.011 χ^2/NDF: 33.2/34



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

Left Out: 55.642+/-0.045 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 55.642+/-0.045 χ^2/NDF: 0.0/0

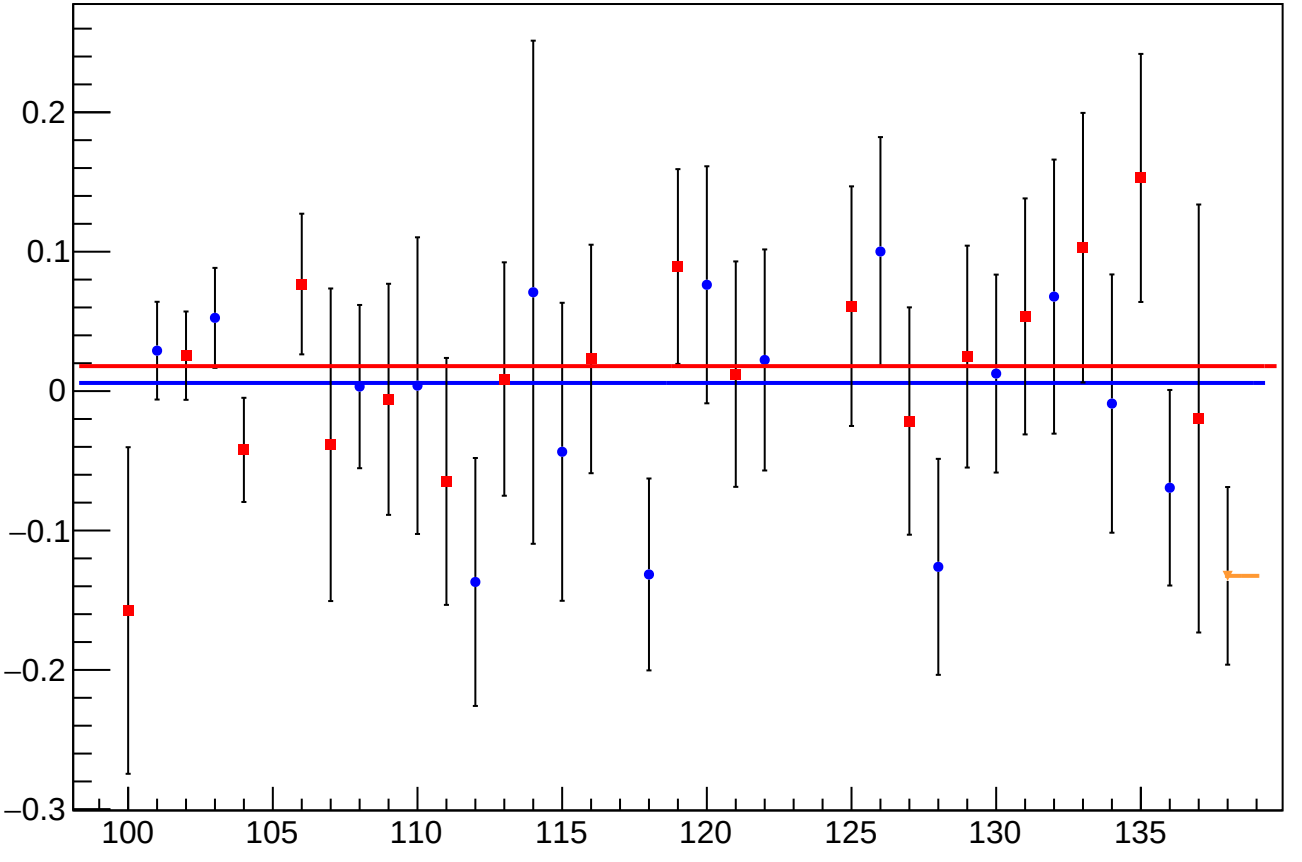
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

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

Out: 40.156+/-0.011 χ^2/NDF:1945254.1/18

All: 40.673+/-0.008 χ^2/NDF: 3455457.9/34

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.133+/-0.064 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

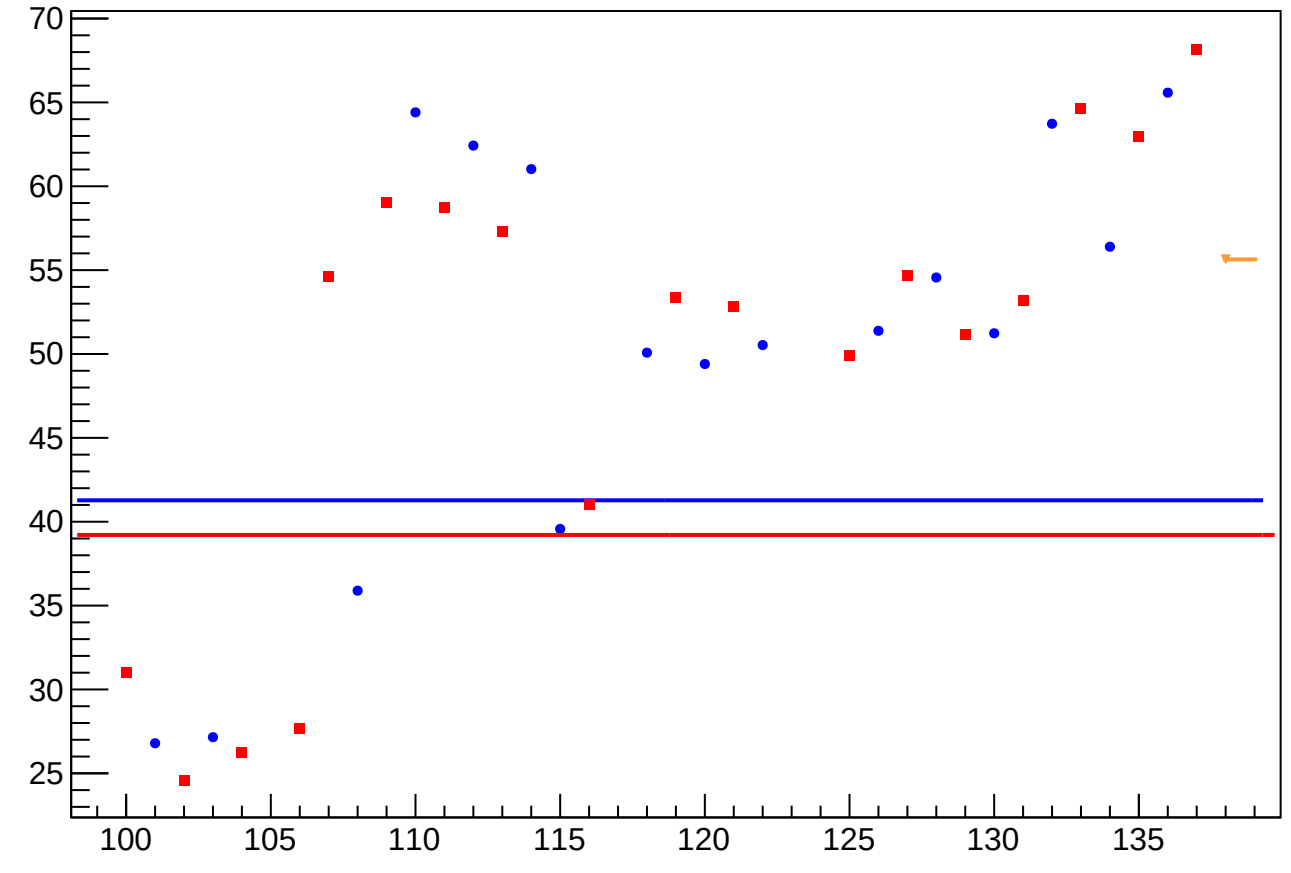
Left: -0.133+/-0.064 χ^2/NDF: 0.0/0

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: 0.006+/-0.017 χ^2/NDF:15.6/15

Out: 0.009+/-0.015 χ^2/NDF:17.6/18

All: 0.008+/-0.011 χ^2/NDF: 33.2/34



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

Left Out: 55.642+/-0.045 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 55.642+/-0.045 χ^2/NDF: 0.0/0

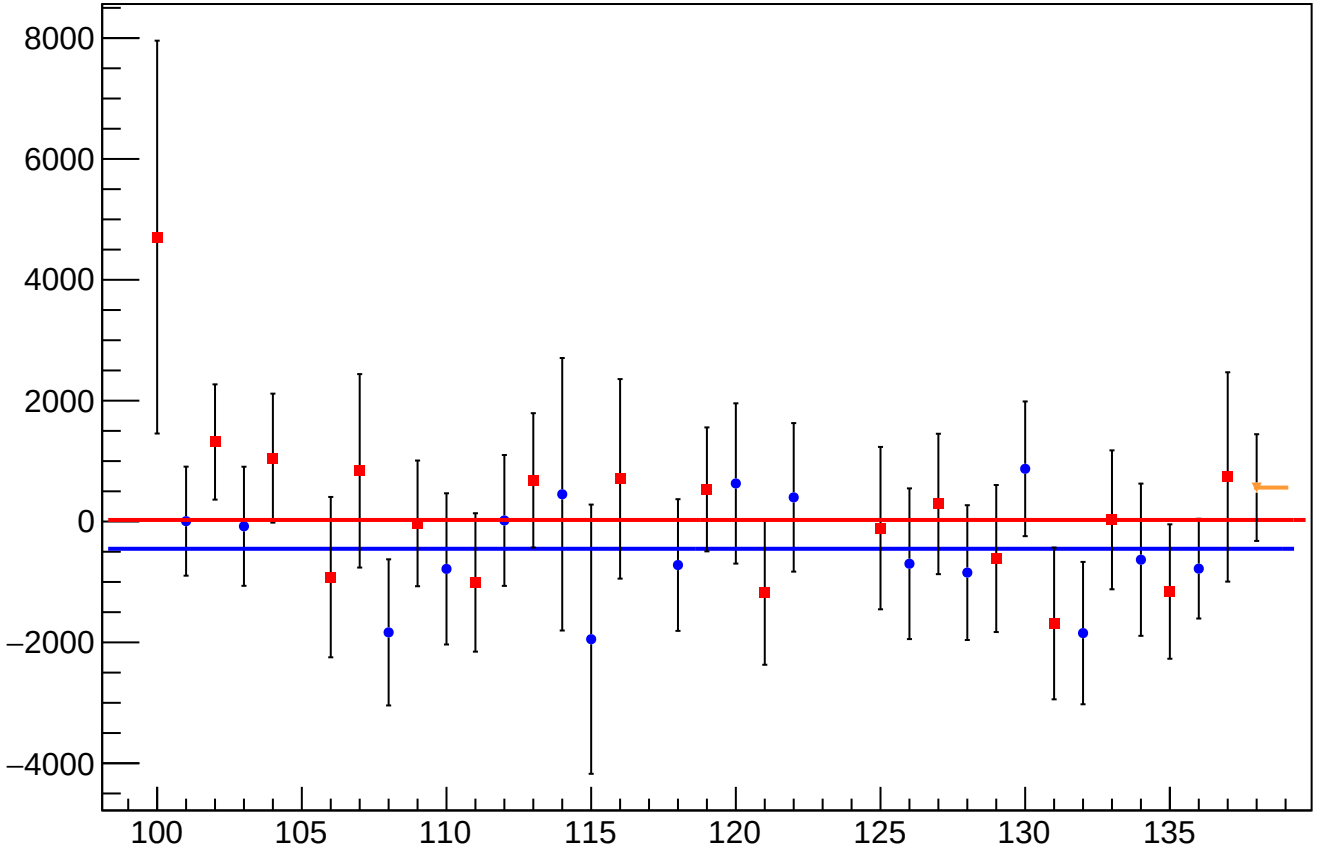
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

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

Out: 40.156+/-0.011 χ^2/NDF:1945254.1/18

All: 40.673+/-0.008 χ^2/NDF: 3455457.9/34

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 561.892+/-882.767 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 561.892+/-882.767 χ^2/NDF: 0.0/0

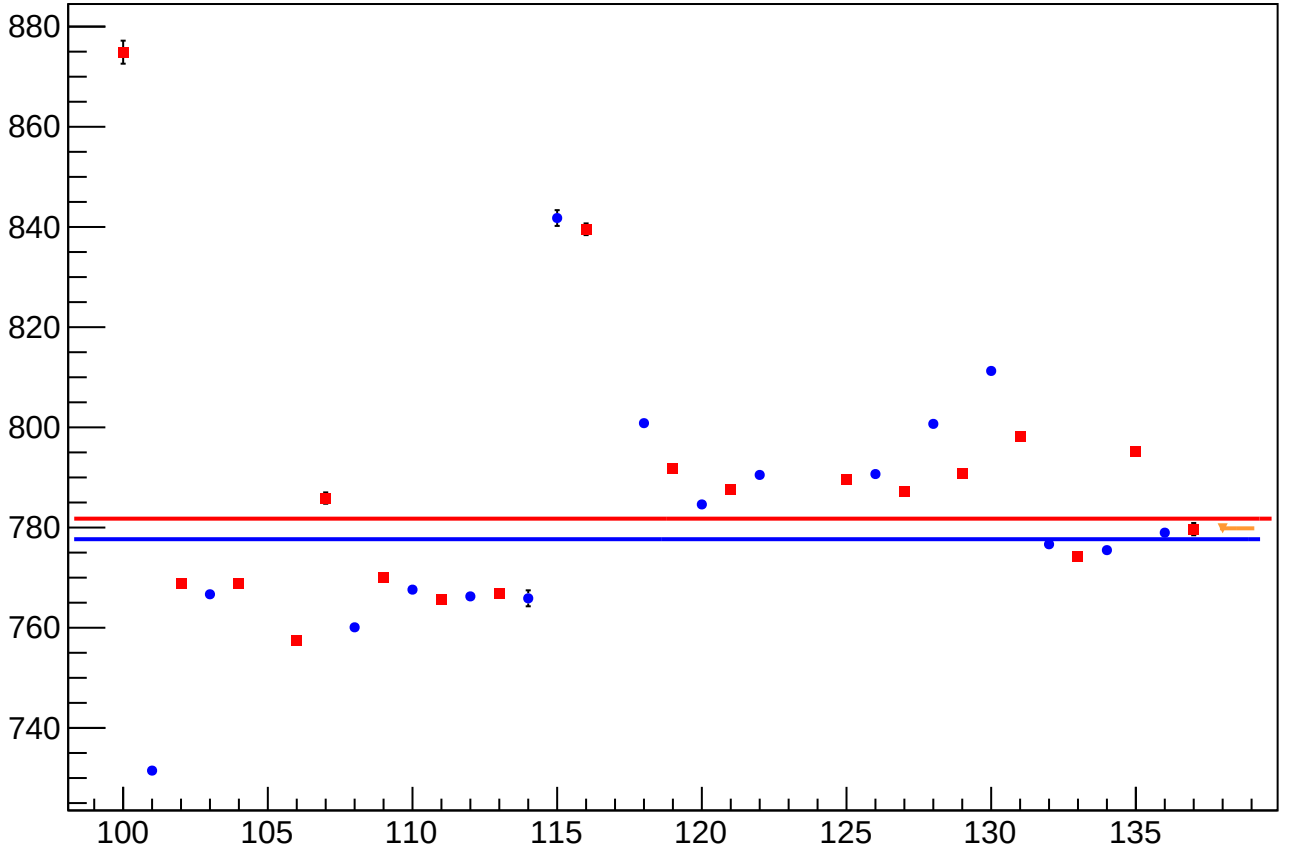
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -450.953+/-288.950 χ^2/NDF:6.9/15

Out: 77.667+/-273.866 χ^2/NDF:12.0/18

All: -172.485+/-198.771 χ^2/NDF: 20.7/34

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 779.843+/-0.624 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

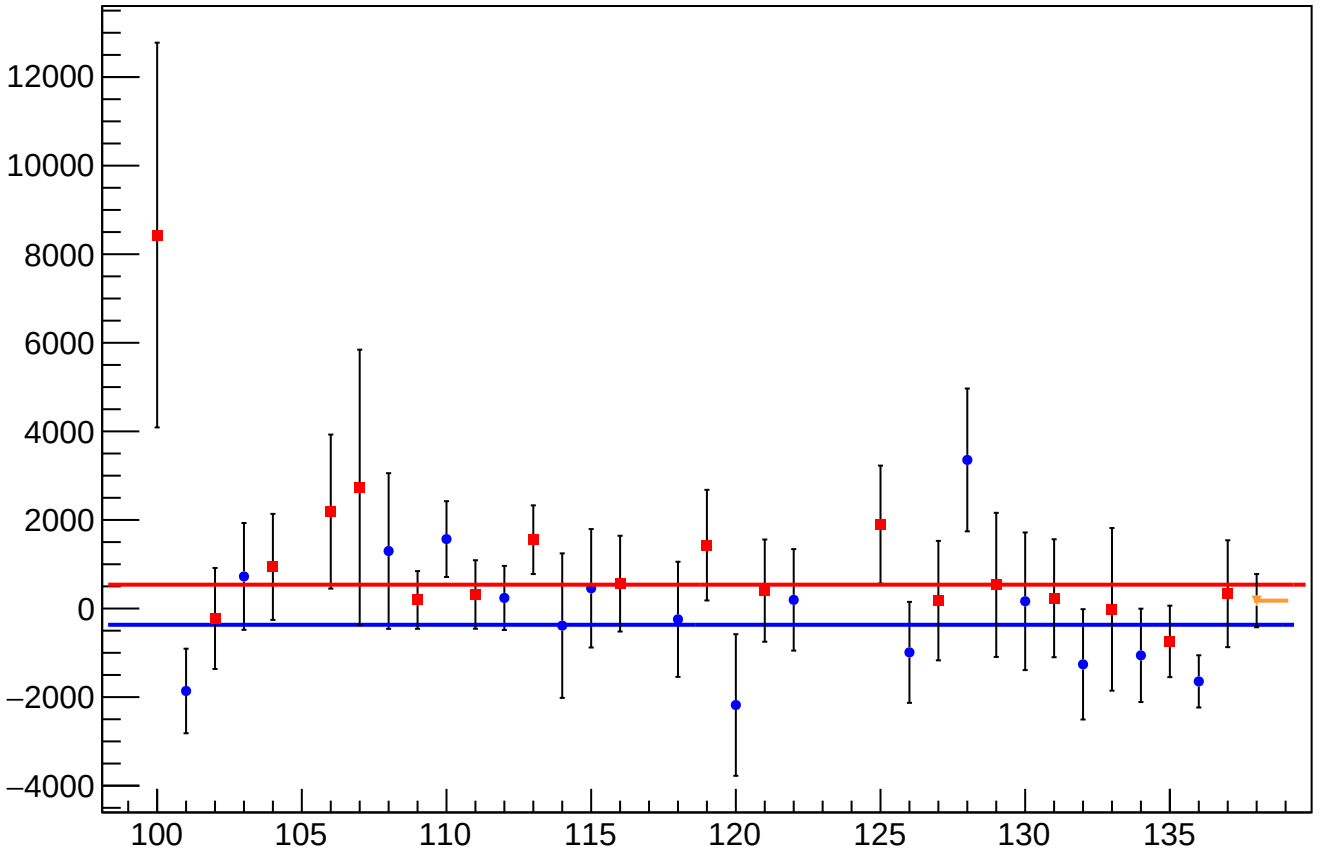
Left: 779.843+/-0.624 χ^2/NDF: 0.0/0

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

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

Out: 781.591+/-0.194 χ^2/NDF:7635.0/18

All: 779.737+/-0.141 χ^2/NDF: 19883.9/34



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

Left Out: 178.444+/-600.693 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

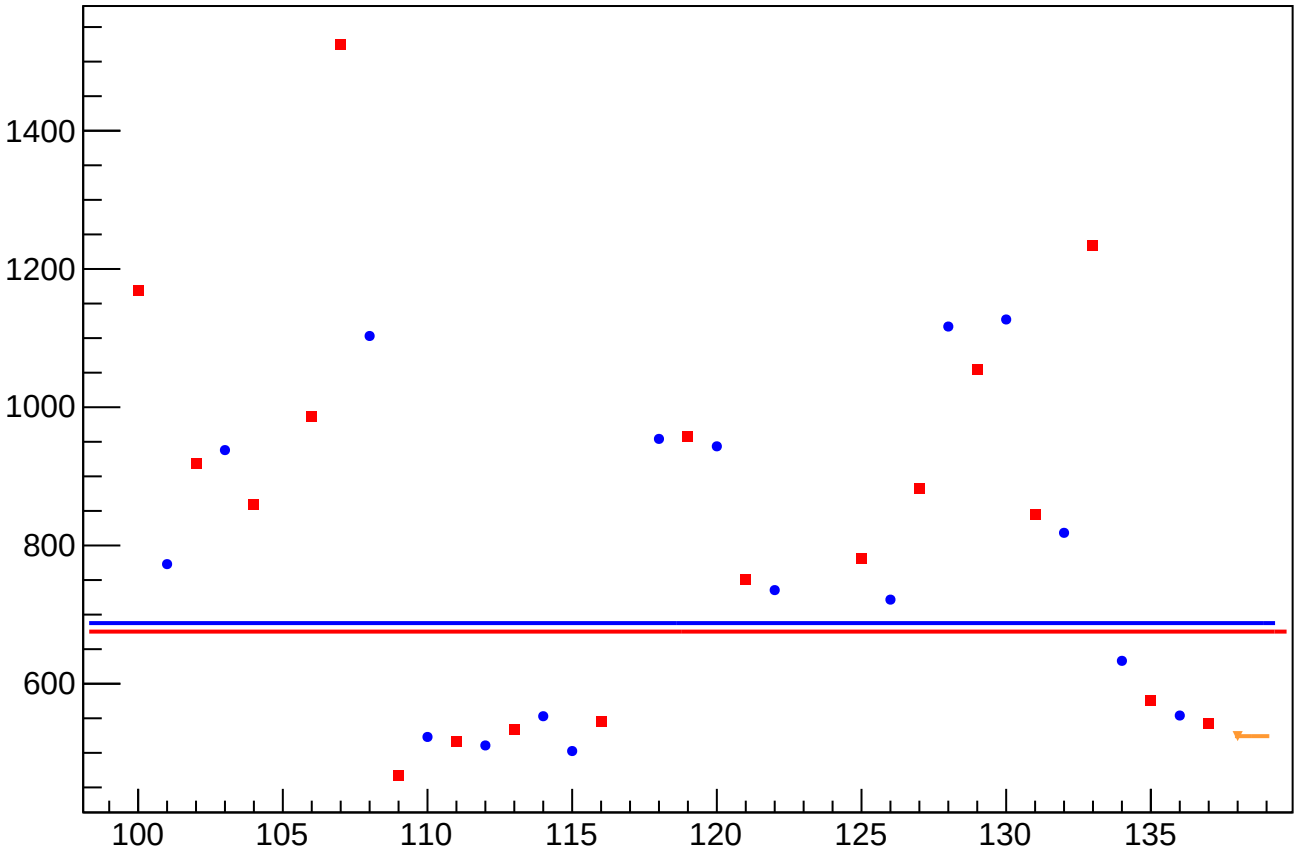
Left: 178.444+/-600.693 χ^2/NDF: 0.0/0

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

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

Out: 480.942+/-240.849 χ^2/NDF:12.0/18

All: 100.041+/-178.748 χ^2/NDF: 40.8/34



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

Left Out: 524.164+/-0.425 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 524.164+/-0.425 χ^2/NDF: 0.0/0

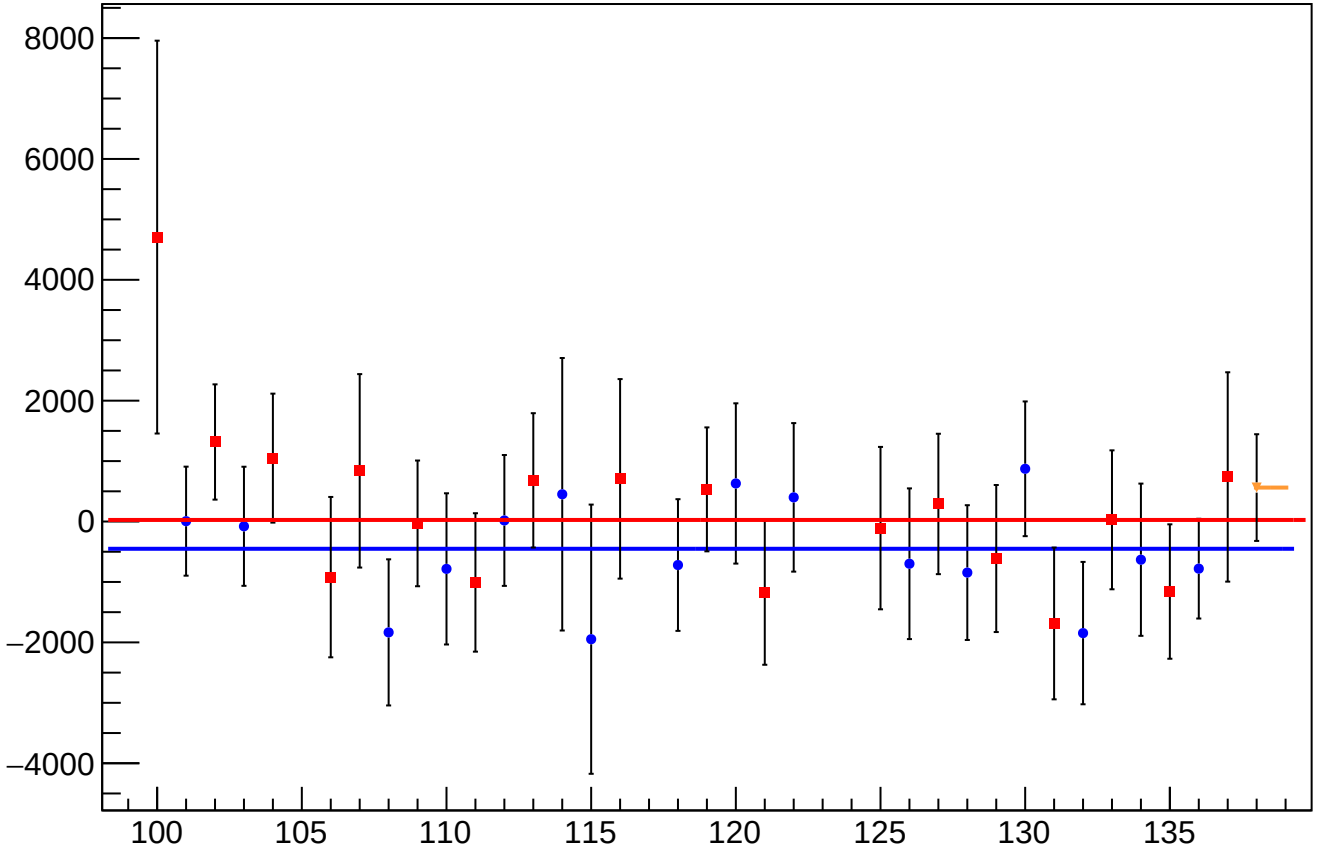
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 651.095+/-0.170 χ^2/NDF:1419413.1/18

All: 667.546+/-0.126 χ^2/NDF: 2472090.9/34

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 561.892+/-882.767 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 561.892+/-882.767 χ^2/NDF: 0.0/0

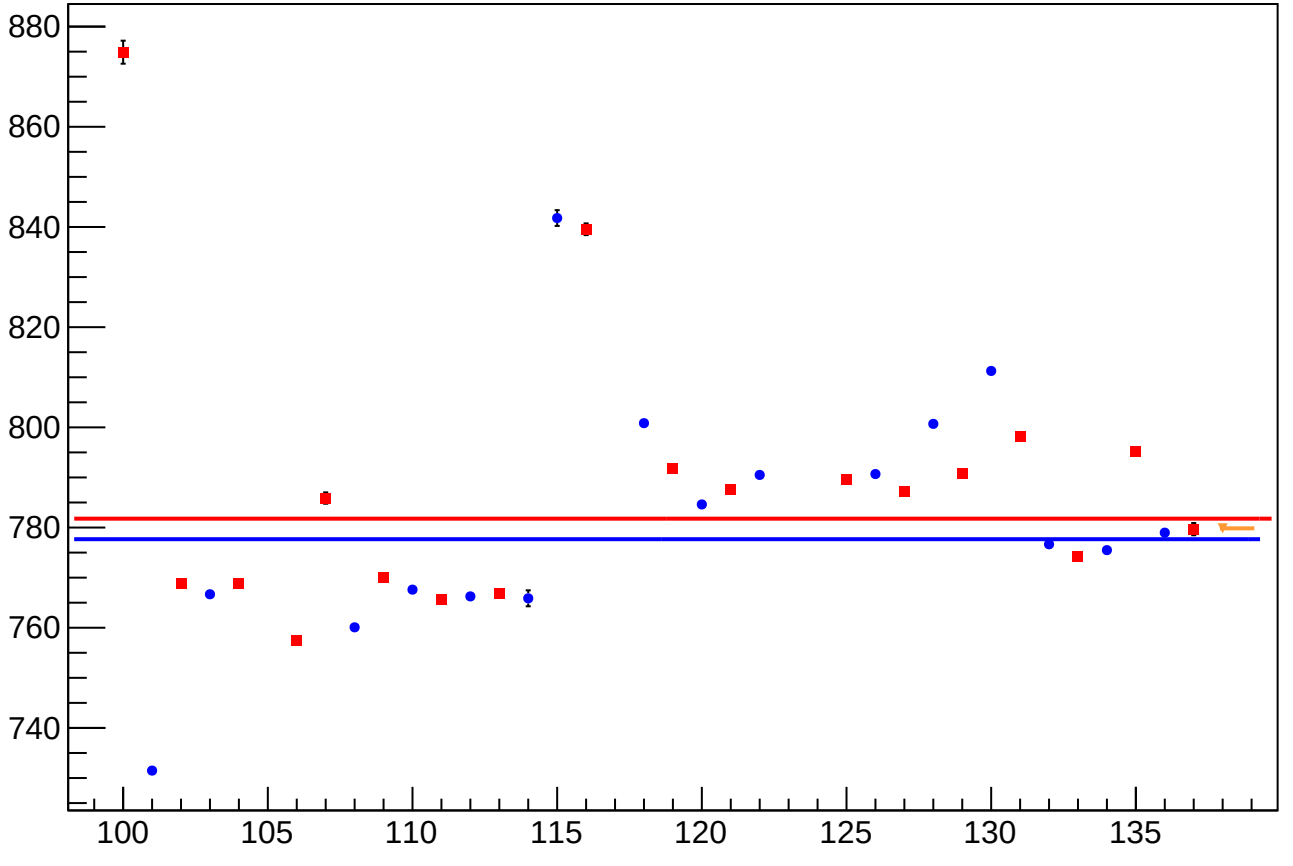
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -450.953+/-288.950 χ^2/NDF:6.9/15

Out: 77.667+/-273.866 χ^2/NDF:12.0/18

All: -172.485+/-198.771 χ^2/NDF: 20.7/34

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 779.843+/-0.624 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

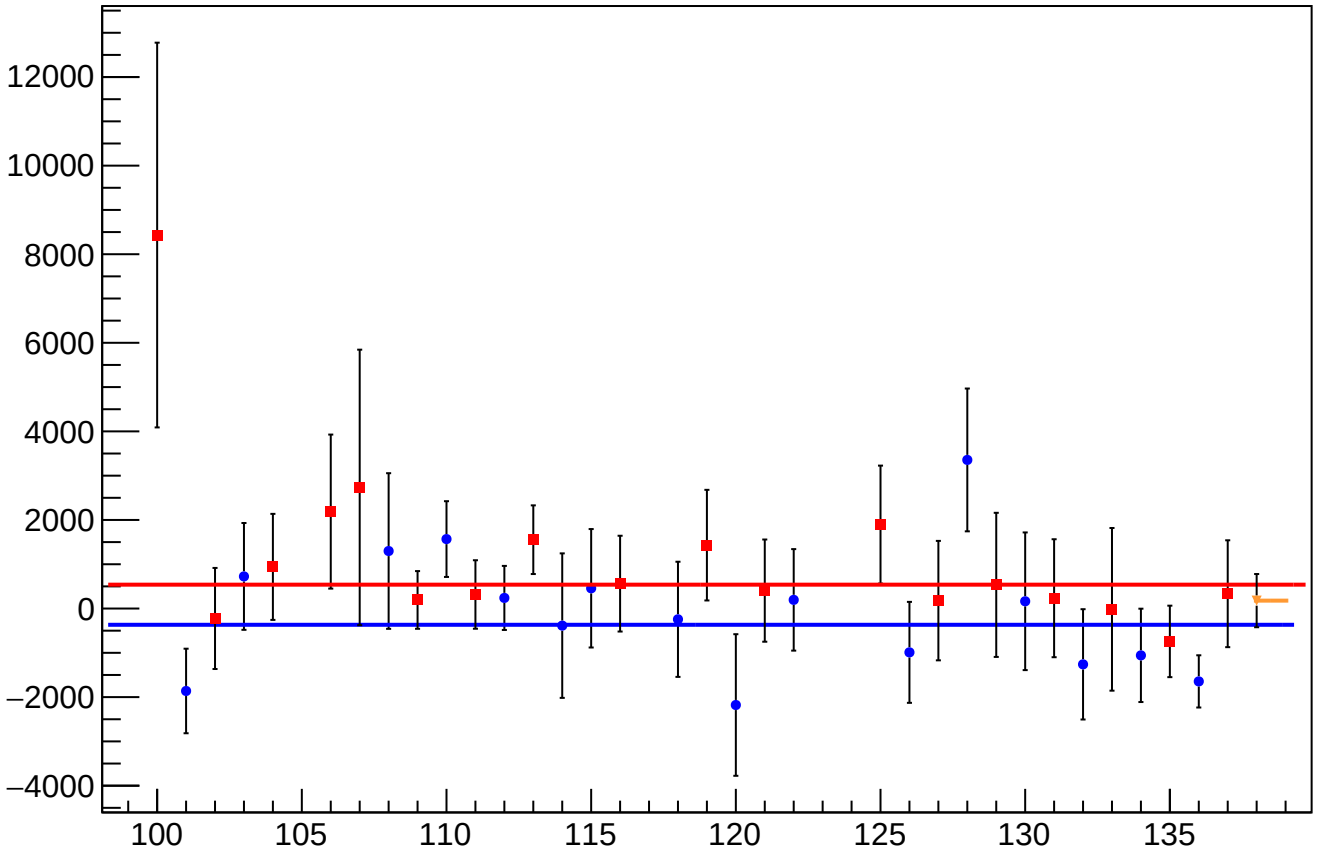
Left: 779.843+/-0.624 χ^2/NDF: 0.0/0

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

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

Out: 781.591+/-0.194 χ^2/NDF:7635.0/18

All: 779.737+/-0.141 χ^2/NDF: 19883.9/34



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

Left Out: 178.444+/-600.693 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

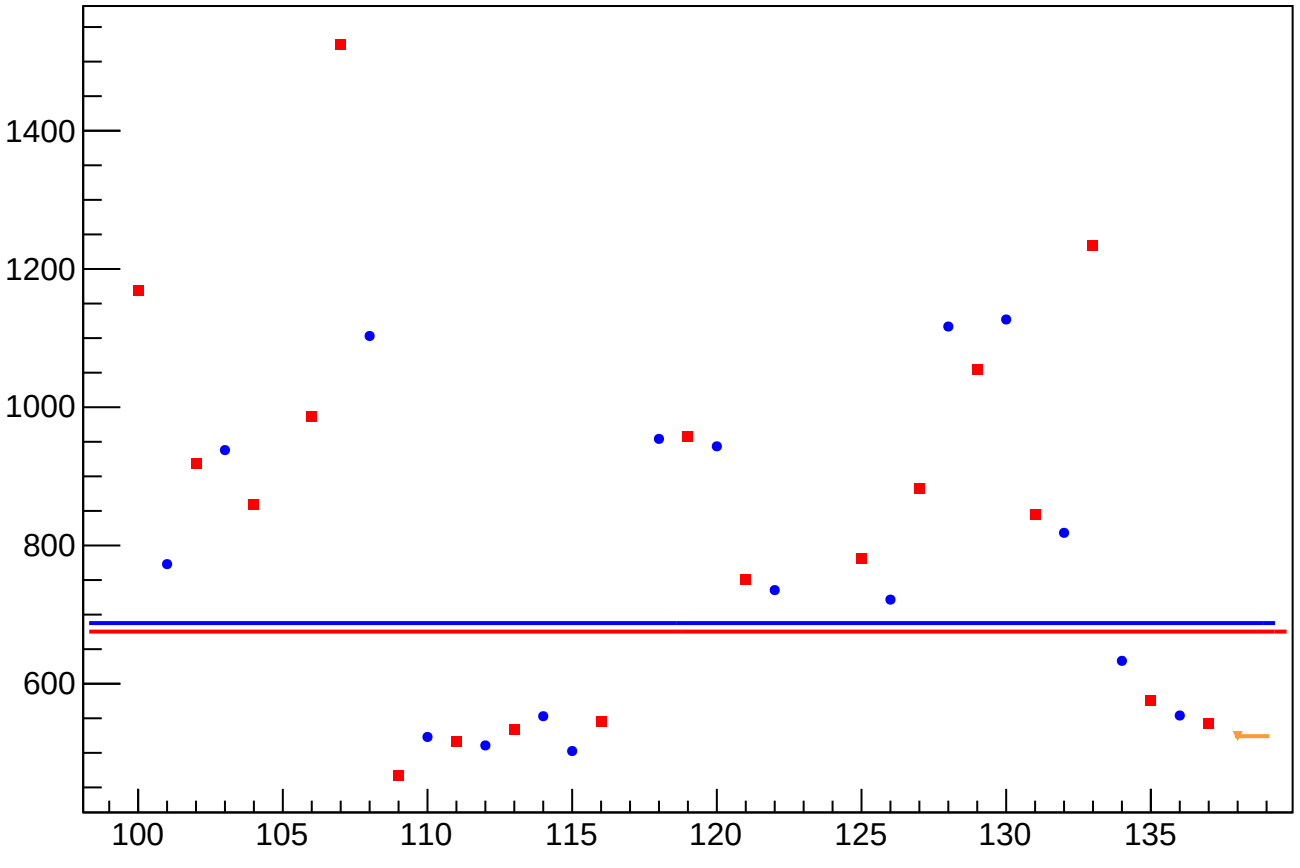
Left: 178.444+/-600.693 χ^2/NDF: 0.0/0

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

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

Out: 480.942+/-240.849 χ^2/NDF:12.0/18

All: 100.041+/-178.748 χ^2/NDF: 40.8/34



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

Left Out: 524.164+/-0.425 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

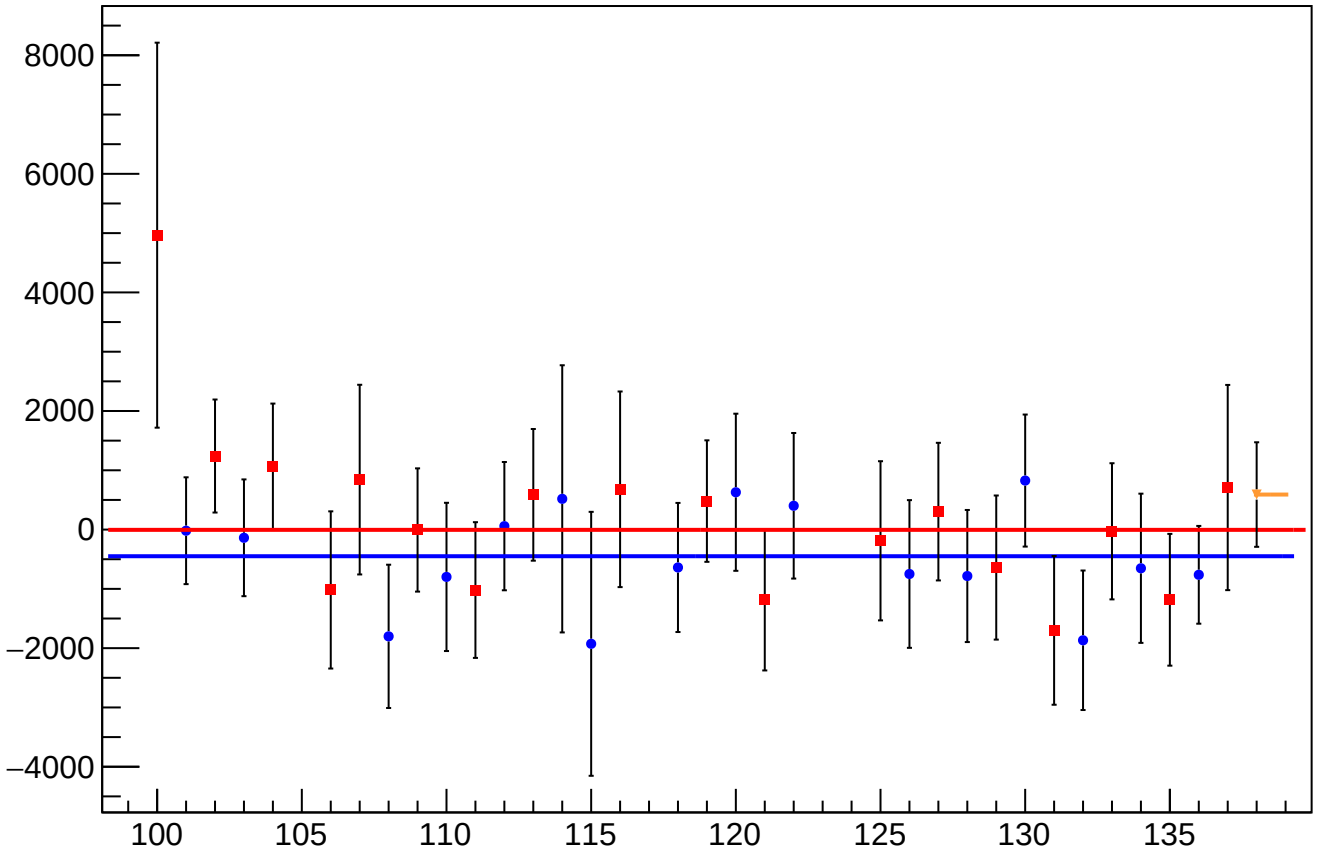
Left: 524.164+/-0.425 χ^2/NDF: 0.0/0

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

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

Out: 651.095+/-0.170 χ^2/NDF:1419413.1/18

All: 667.546+/-0.126 χ^2/NDF: 2472090.9/34



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

Left Out: 590.776+/-881.610 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

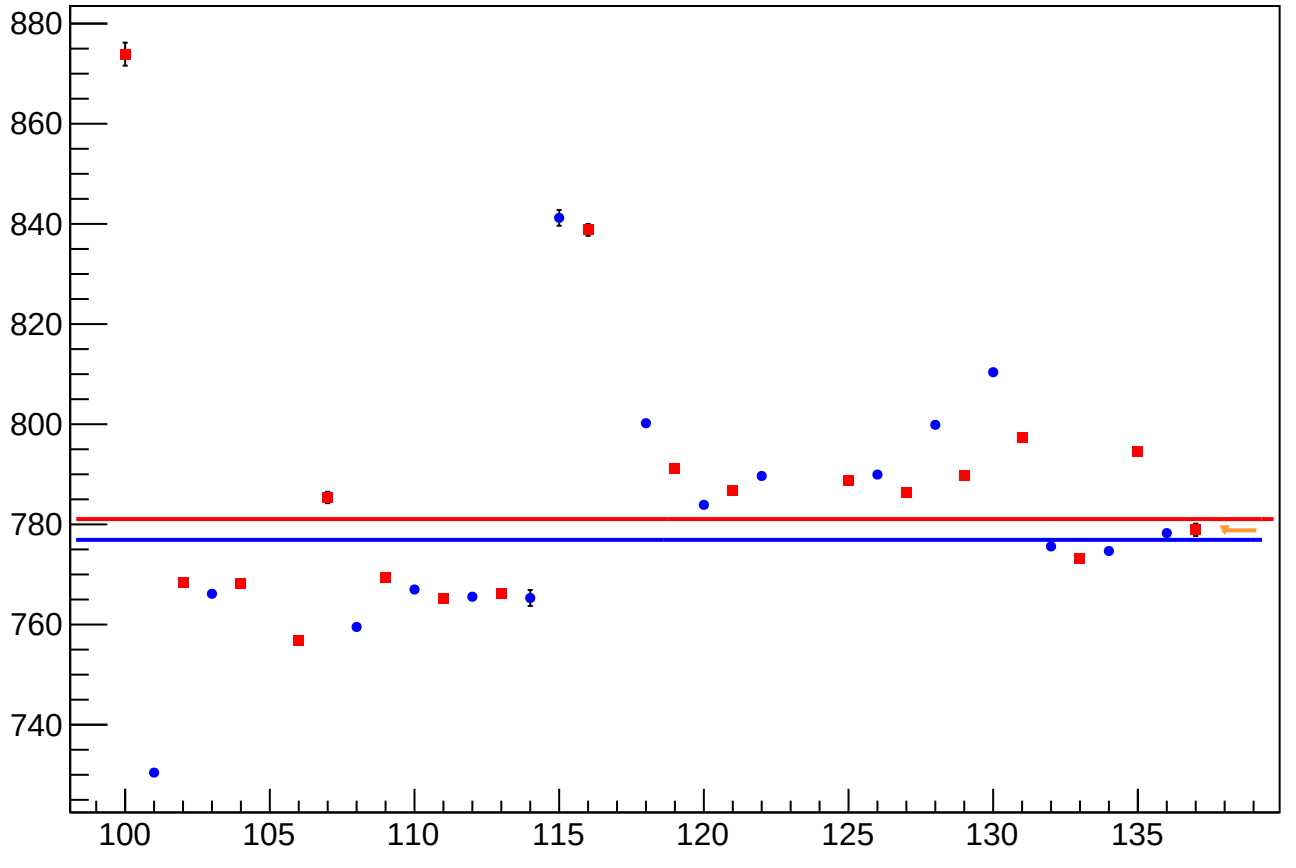
Left: 590.776+/-881.610 χ^2/NDF: 0.0/0

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

In: -449.430+/-288.668 χ^2/NDF:6.8/15

Out: 52.703+/-273.604 χ^2/NDF:12.3/18

All: -184.921+/-198.579 χ^2/NDF: 20.6/34



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

Left Out: 778.821+/-0.623 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 778.821+/-0.623 χ^2/NDF: 0.0/0

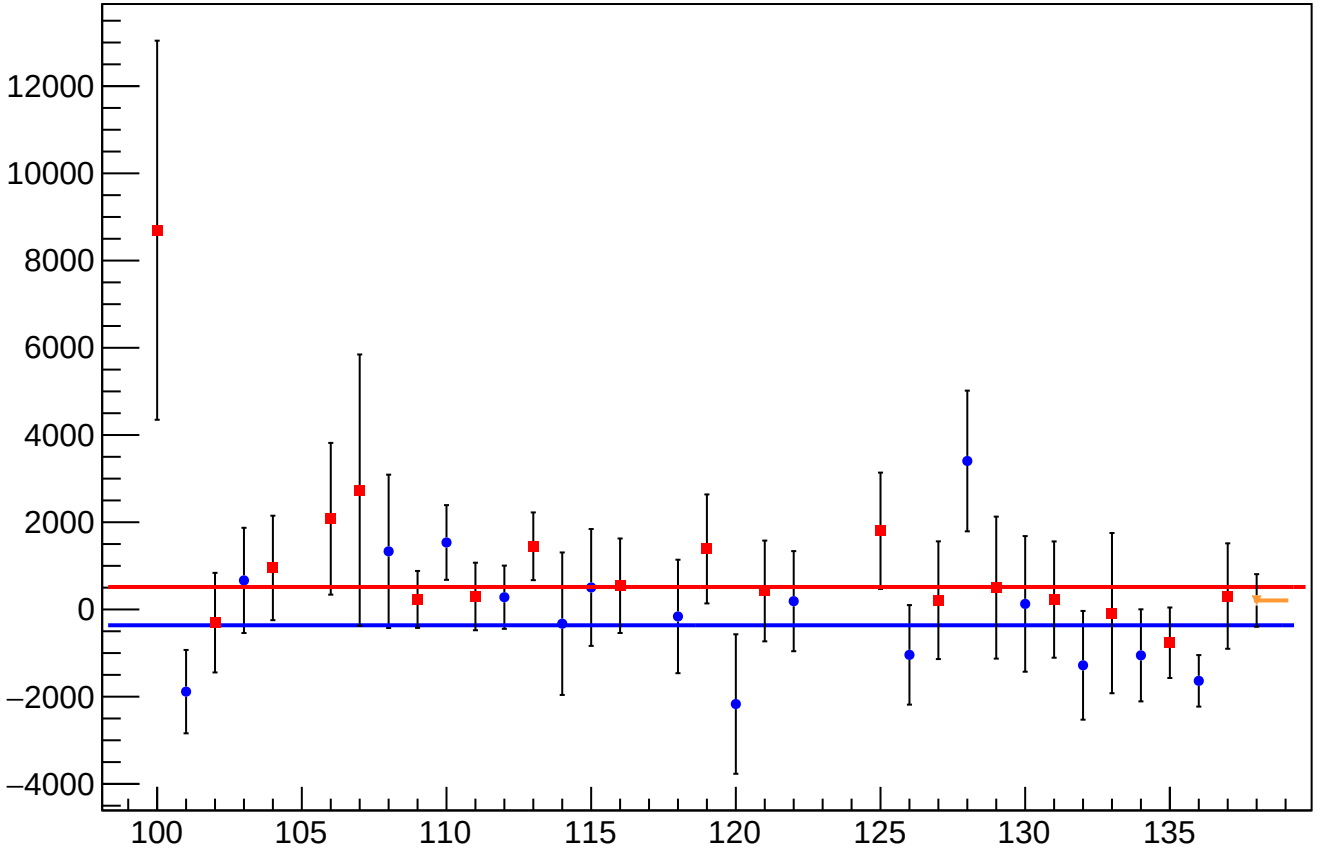
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

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

Out: 780.845+/-0.193 χ^2/NDF:7597.4/18

All: 778.984+/-0.140 χ^2/NDF: 19916.5/34

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: 206.849+/-602.552 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

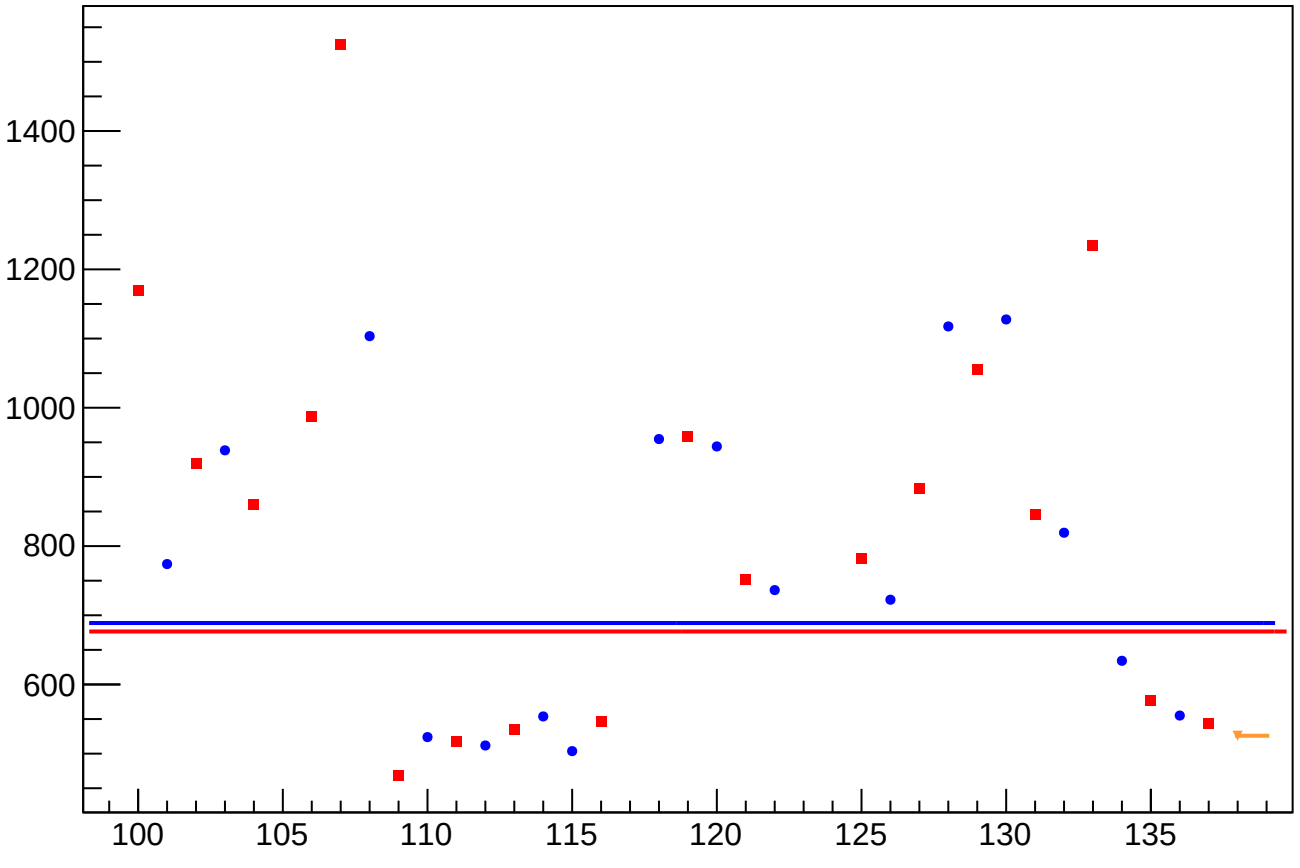
Left: 206.849+/-602.552 χ^2/NDF: 0.0/0

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

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

Out: 465.841+/-241.272 χ^2/NDF:11.6/18

All: 93.484+/-179.038 χ^2/NDF: 40.3/34



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

Left Out: 525.870+/-0.426 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

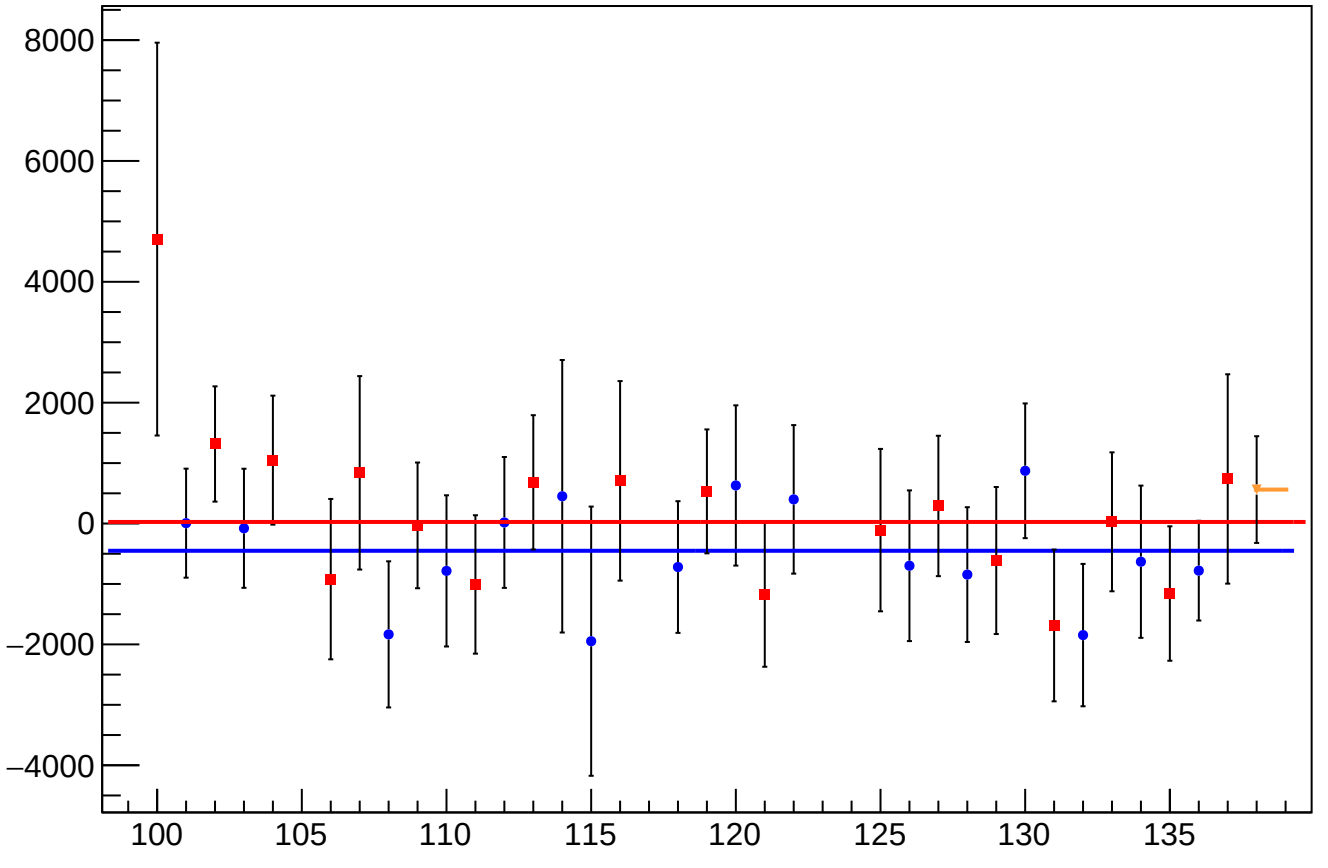
Left: 525.870+/-0.426 χ^2/NDF: 0.0/0

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

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

Out: 652.409+/-0.171 χ^2/NDF:1413083.9/18

All: 668.774+/-0.127 χ^2/NDF: 2461679.2/34



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

Left Out: 561.892+/-882.767 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

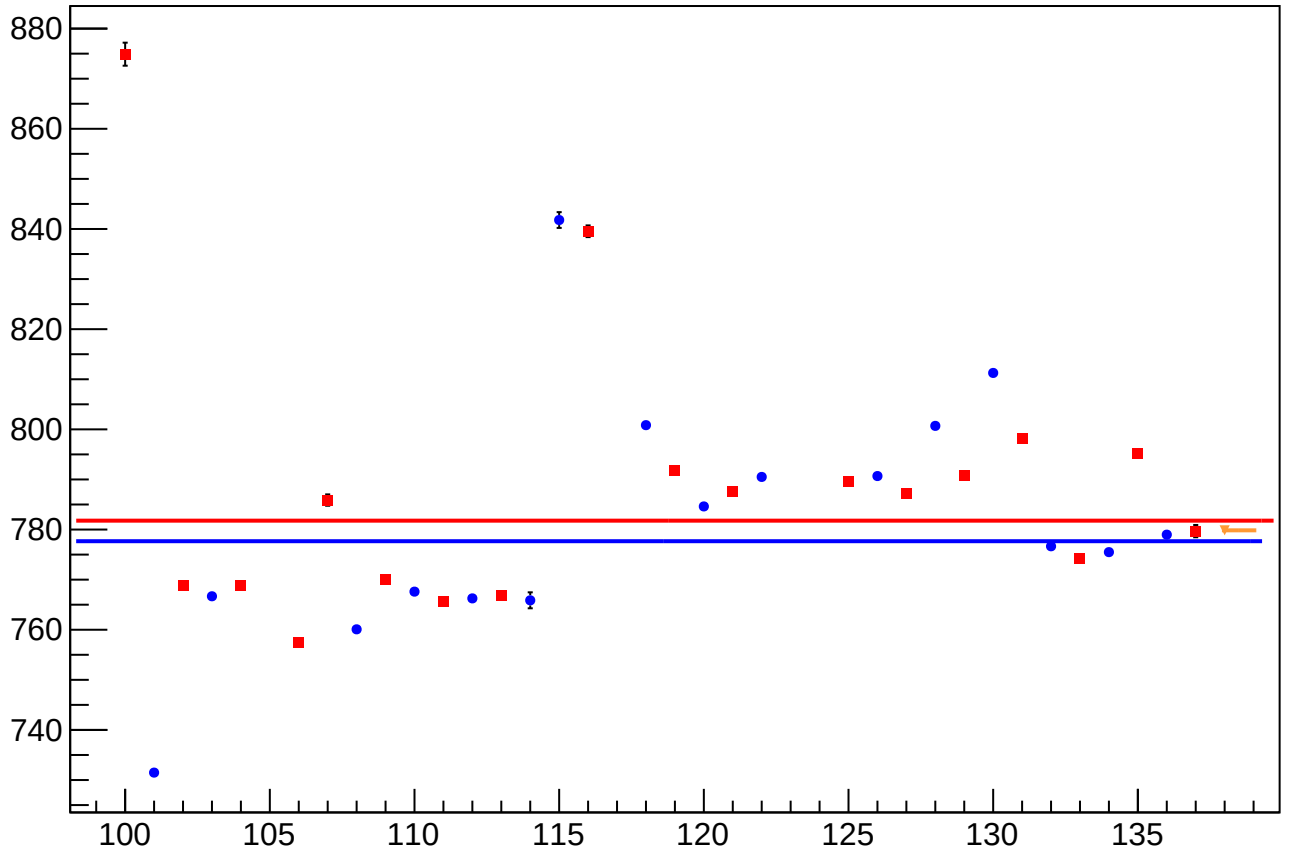
Left: 561.892+/-882.767 χ^2/NDF: 0.0/0

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

In: -450.953+/-288.950 χ^2/NDF:6.9/15

Out: 77.667+/-273.866 χ^2/NDF:12.0/18

All: -172.485+/-198.771 χ^2/NDF: 20.7/34



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

Left Out: 779.843+/-0.624 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 779.843+/-0.624 χ^2/NDF: 0.0/0

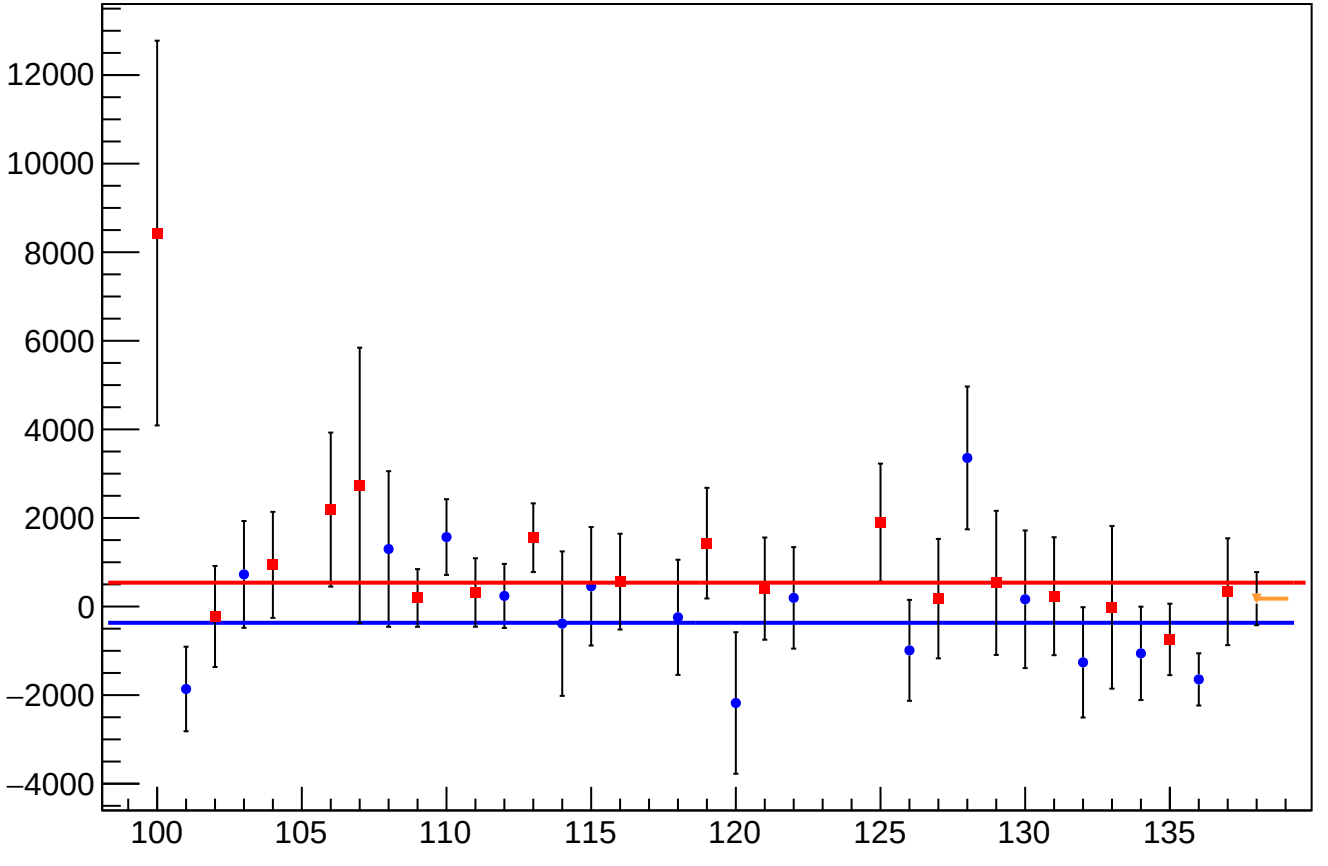
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

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

Out: 781.591+/-0.194 χ^2/NDF:7635.0/18

All: 779.737+/-0.141 χ^2/NDF: 19883.9/34

asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: 178.444+/-600.693 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

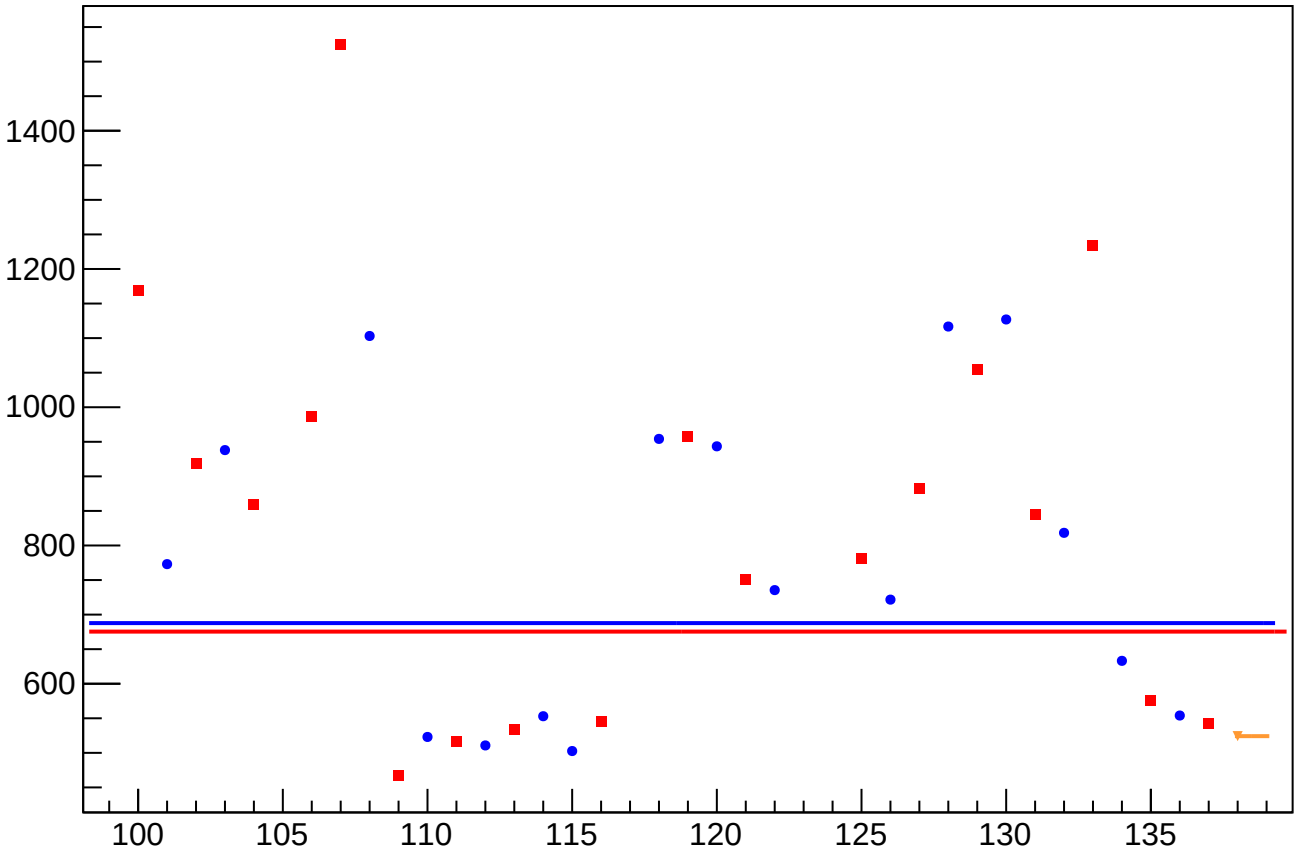
Left: 178.444+/-600.693 χ^2/NDF: 0.0/0

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

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

Out: 480.942+/-240.849 χ^2/NDF:12.0/18

All: 100.041+/-178.748 χ^2/NDF: 40.8/34



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

Left Out: 524.164+/-0.425 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 524.164+/-0.425 χ^2/NDF: 0.0/0

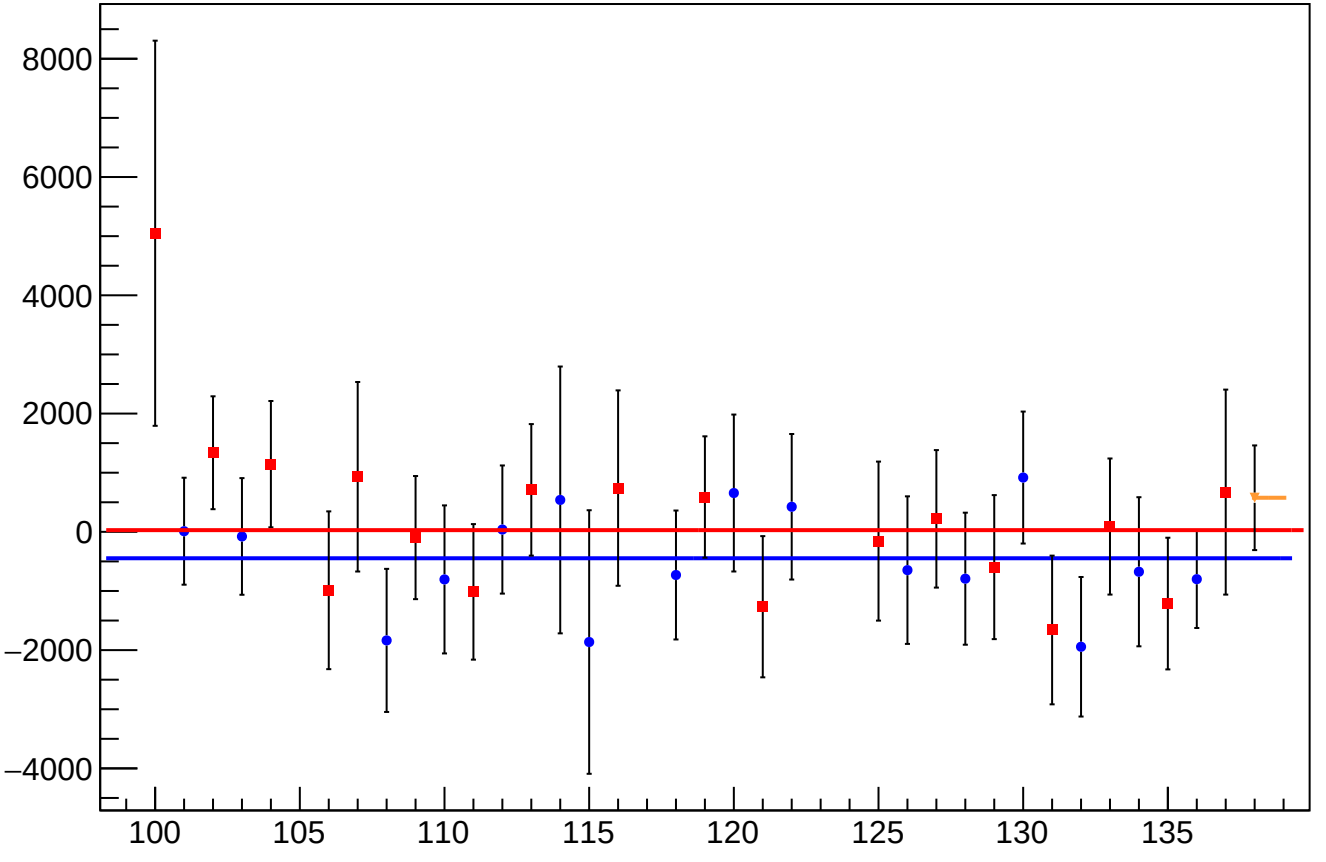
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 651.095+/-0.170 χ^2/NDF:1419413.1/18

All: 667.546+/-0.126 χ^2/NDF: 2472090.9/34

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 576.451+/-884.963 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 576.451+/-884.963 χ^2/NDF: 0.0/0

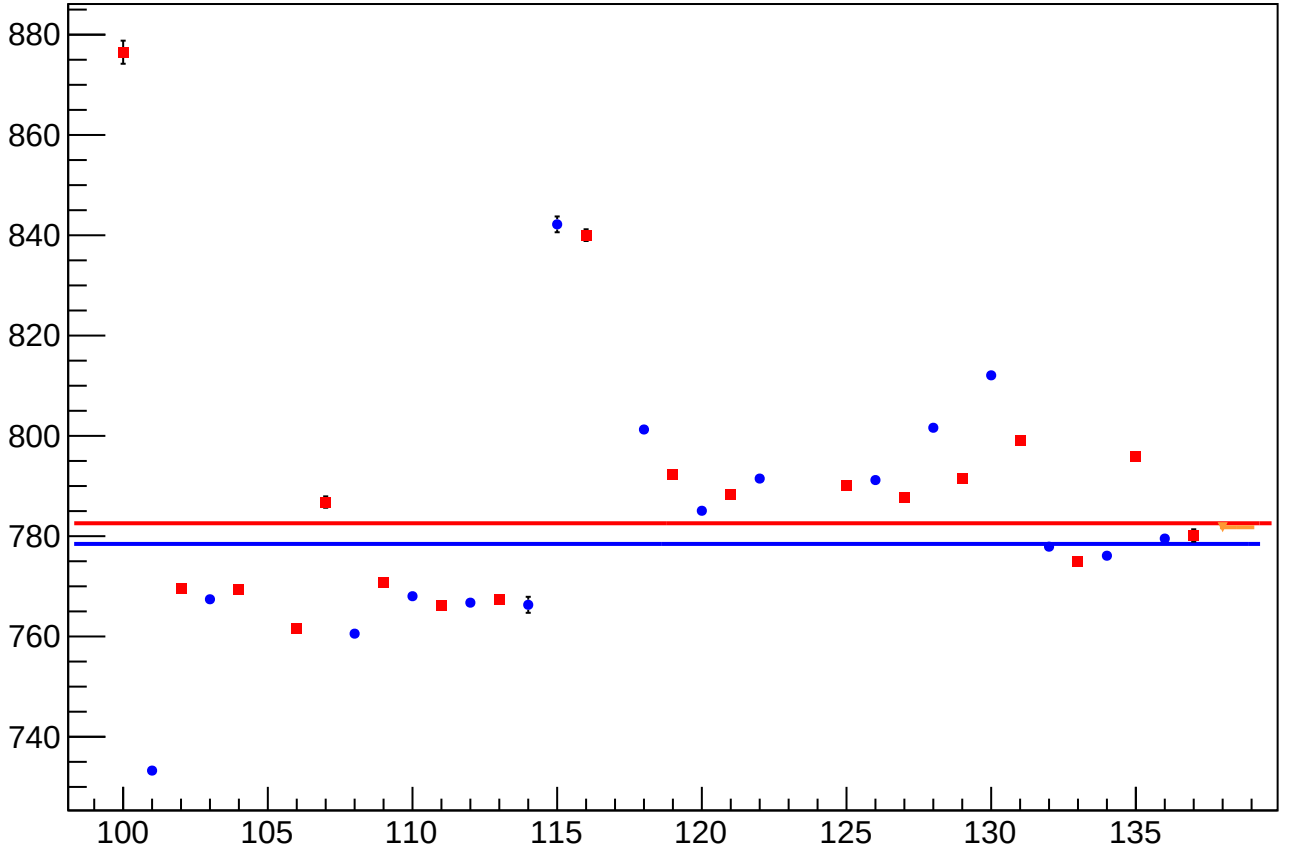
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -446.659+/-289.238 χ^2/NDF:7.3/15

Out: 81.358+/-274.183 χ^2/NDF:13.0/18

All: -168.551+/-198.986 χ^2/NDF: 22.0/34

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 781.780+/-0.626 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

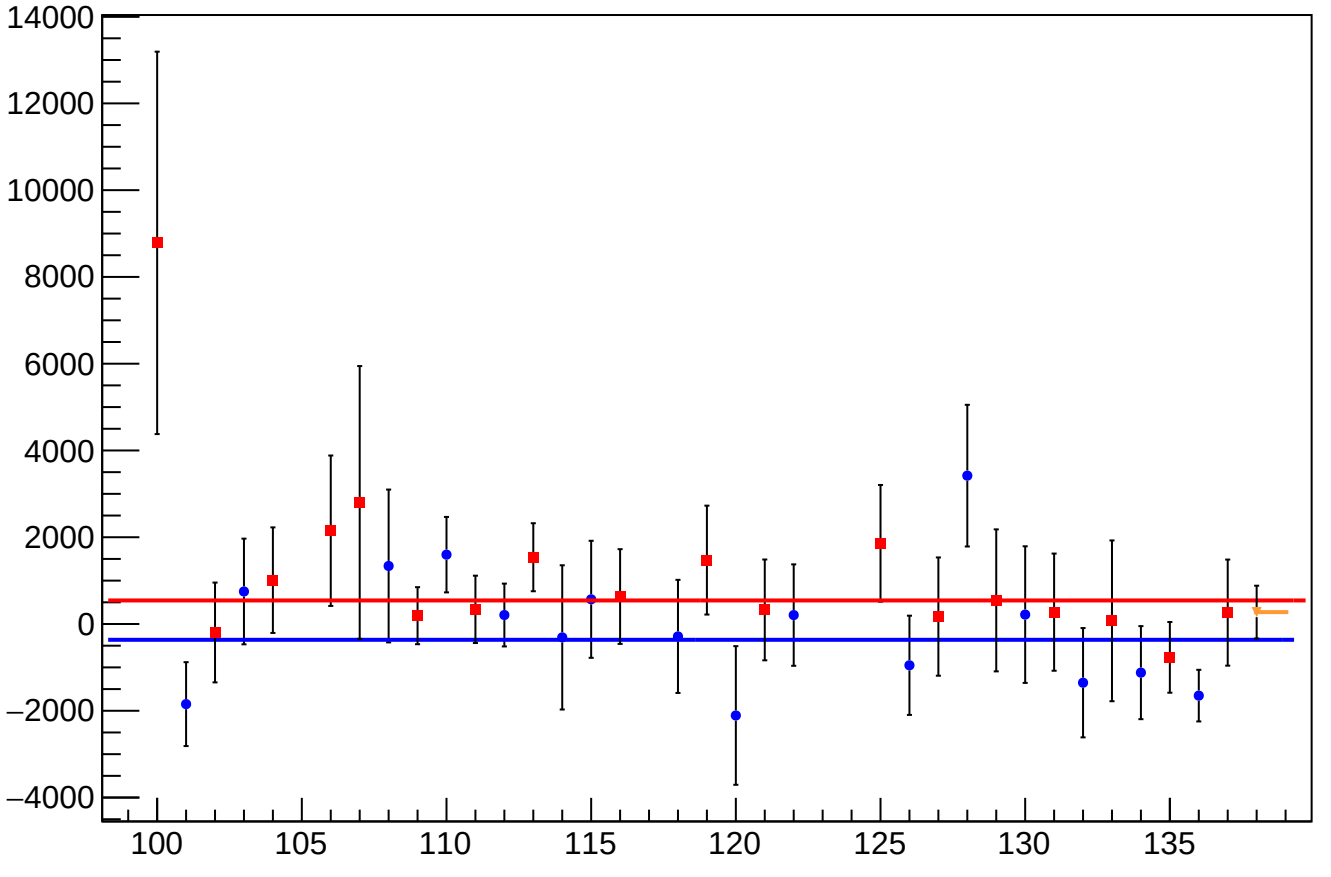
Left: 781.780+/-0.626 χ^2/NDF: 0.0/0

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

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

Out: 782.499+/-0.194 χ^2/NDF:7482.9/18

All: 780.585+/-0.141 χ^2/NDF: 19483.9/34



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

Left Out: 274.445+/-608.445 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

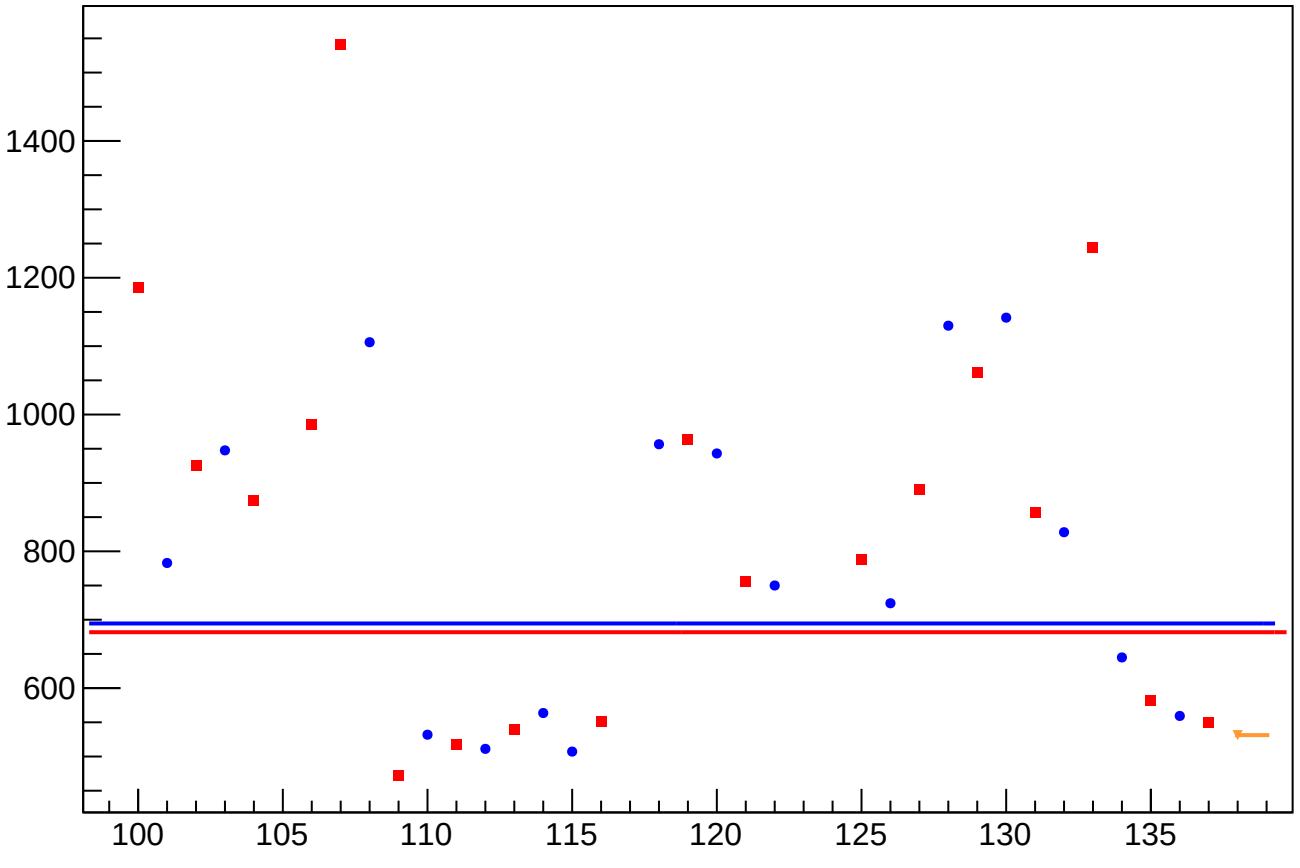
Left: 274.445+/-608.445 χ^2/NDF: 0.0/0

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

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

Out: 500.004+/-243.167 χ^2/NDF:11.9/18

All: 111.982+/-180.483 χ^2/NDF: 40.9/34



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

Left Out: 531.270+/-0.430 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

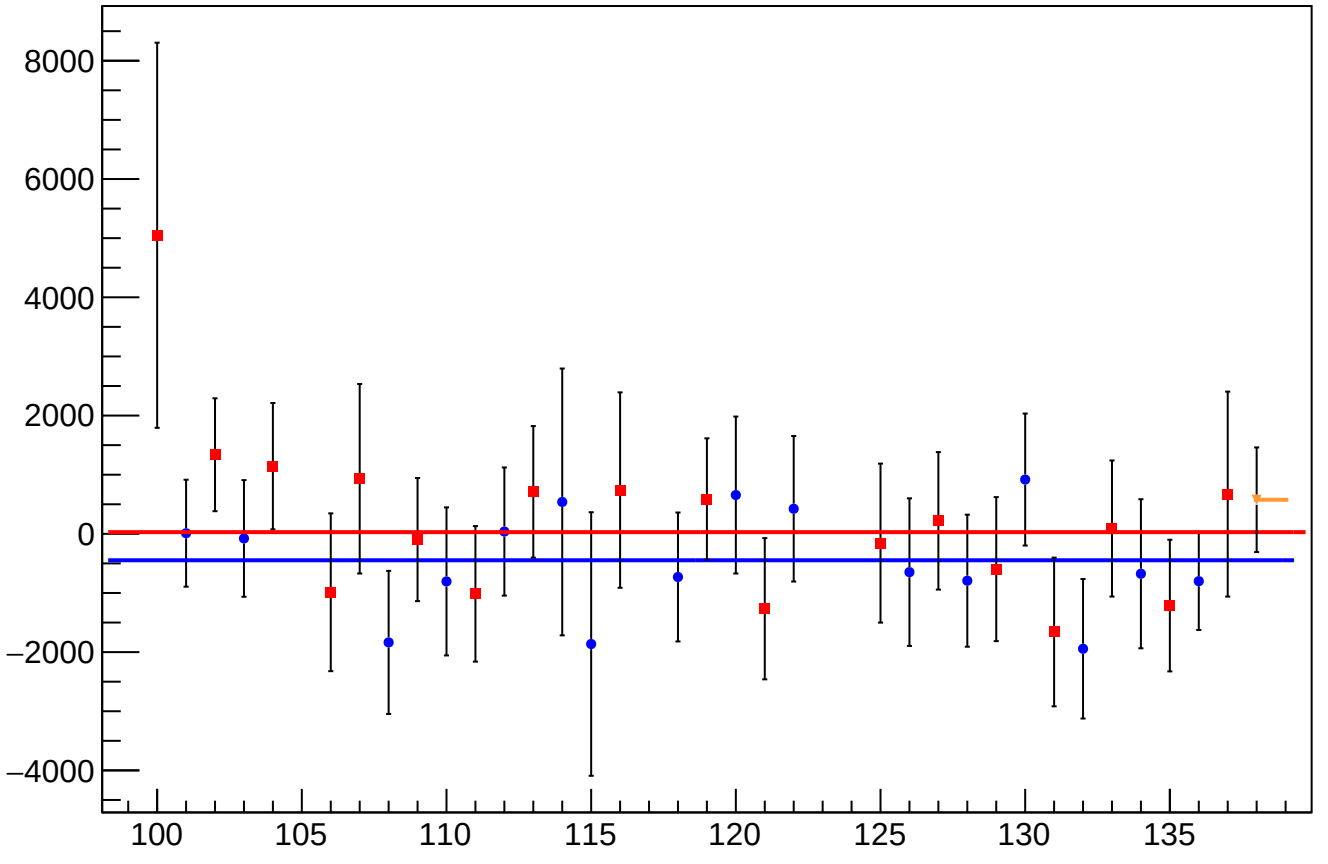
Left: 531.270+/-0.430 χ^2/NDF: 0.0/0

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

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

Out: 657.710+/-0.172 χ^2/NDF:1414108.2/18

All: 674.243+/-0.128 χ^2/NDF: 2464579.1/34



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

Left Out: 576.451+/-884.963 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

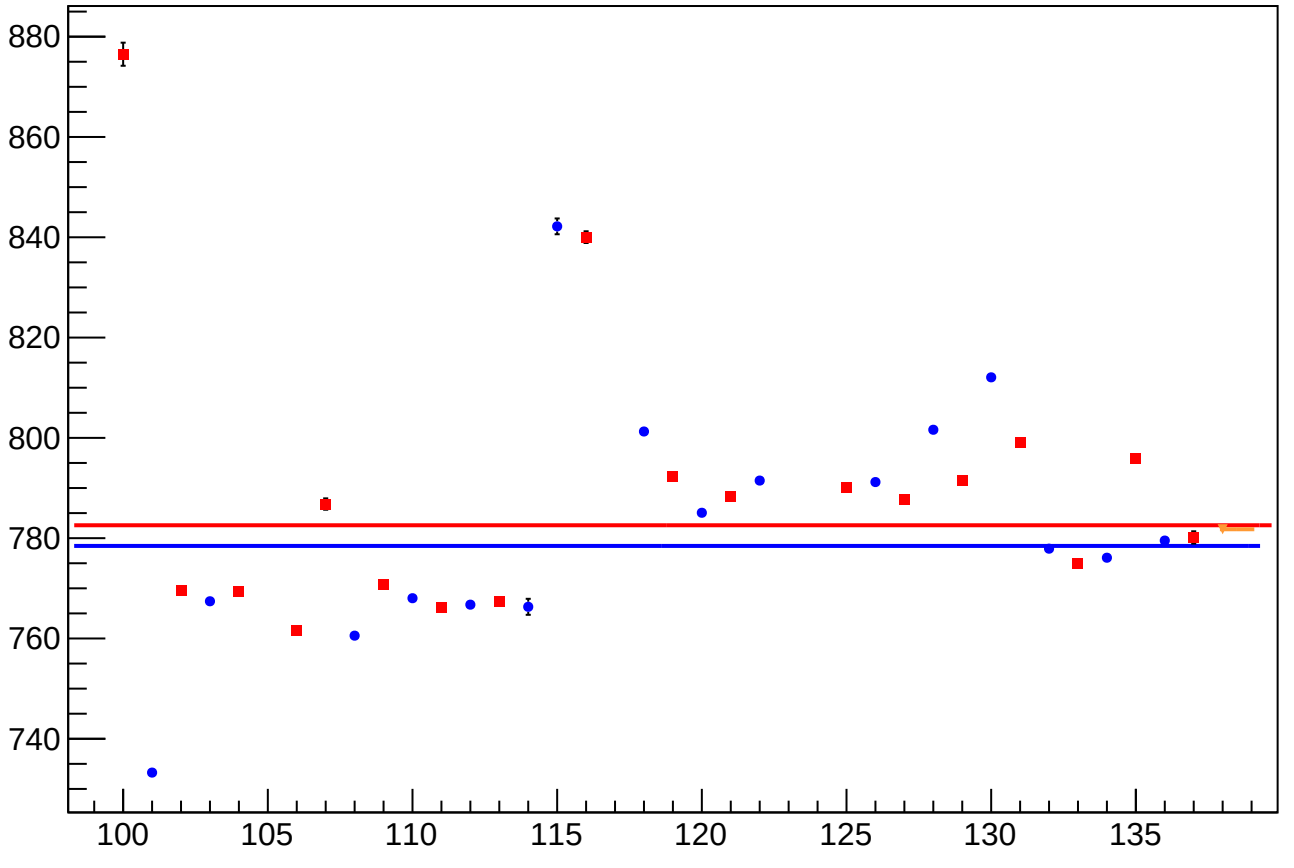
Left: 576.451+/-884.963 χ^2/NDF: 0.0/0

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

In: -446.659+/-289.238 χ^2/NDF:7.3/15

Out: 81.356+/-274.183 χ^2/NDF:13.0/18

All: -168.551+/-198.986 χ^2/NDF: 22.0/34



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

Left Out: 781.780+/-0.626 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 781.780+/-0.626 χ^2/NDF: 0.0/0

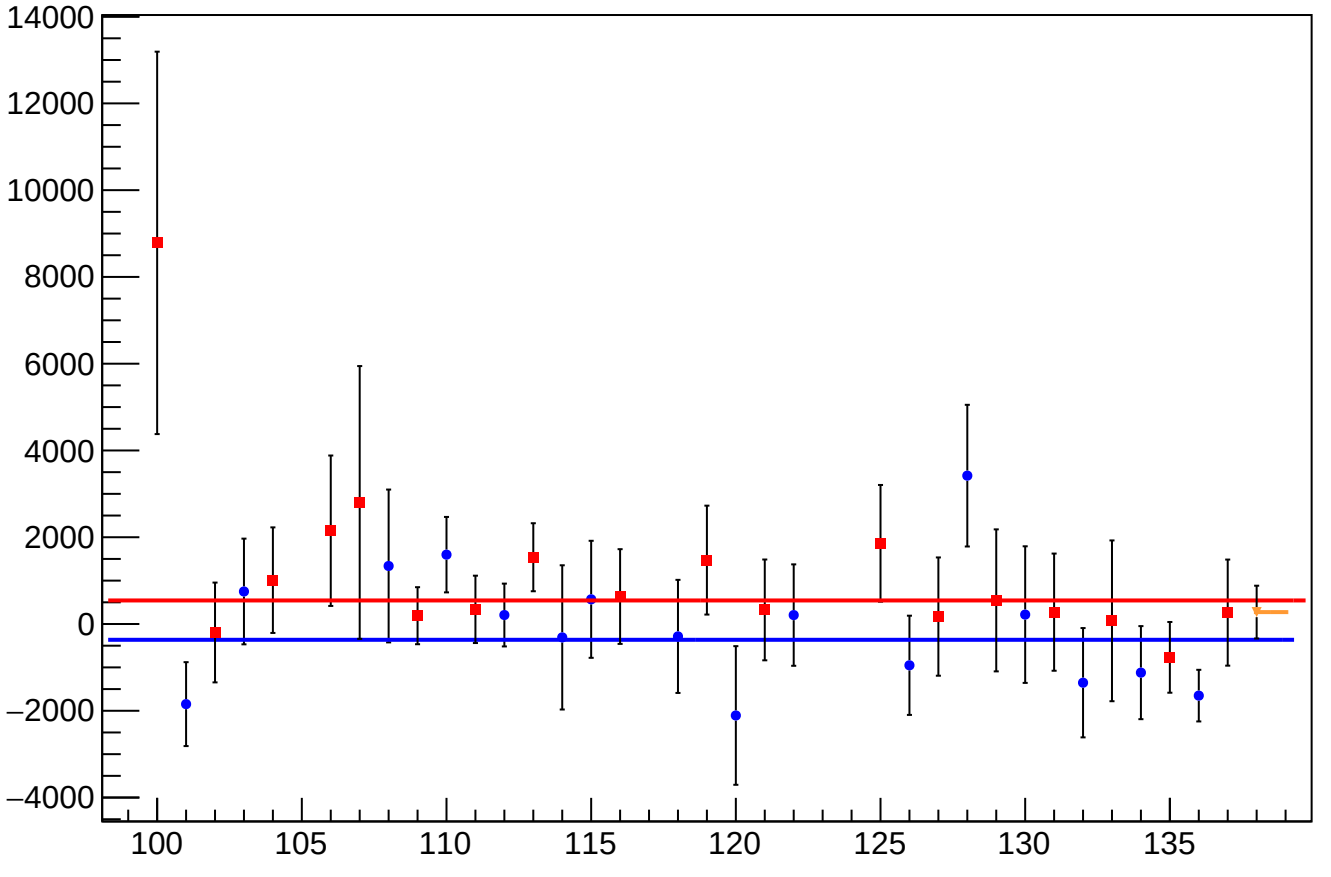
Right: 780.522+/-0.144 χ^2/NDF: 19480.0/33

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

Out: 782.499+/-0.194 χ^2/NDF:7482.9/18

All: 780.585+/-0.141 χ^2/NDF: 19483.9/34

asym_us_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: 274.443+/-608.450 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

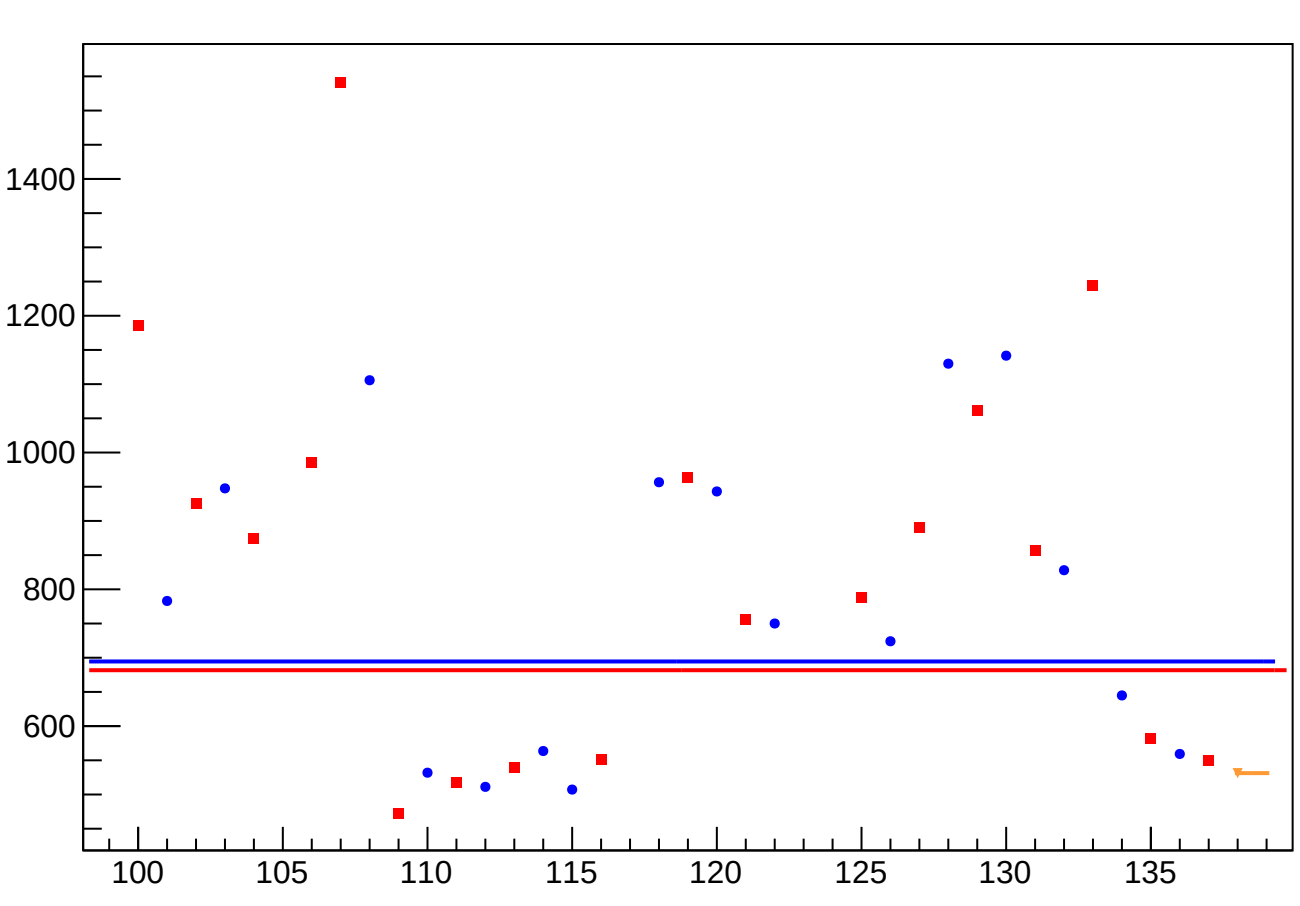
Left: 274.443+/-608.450 χ^2/NDF: 0.0/0

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

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

Out: 500.003+/-243.166 χ^2/NDF:11.9/18

All: 111.983+/-180.483 χ^2/NDF: 40.9/34



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

Left Out: 531.274+/-0.430 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

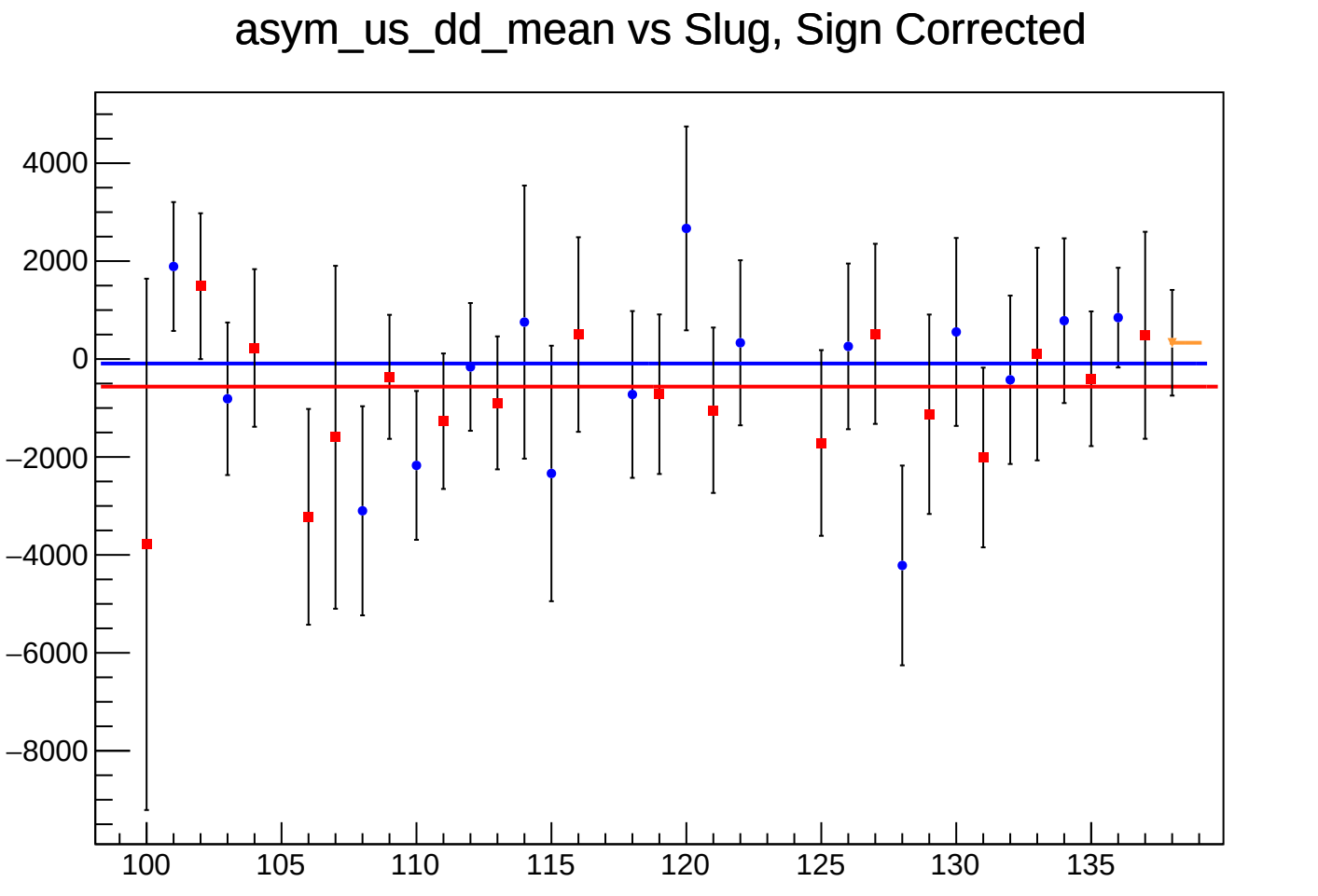
Left: 531.274+/-0.430 χ^2/NDF: 0.0/0

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

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

Out: 657.708+/-0.172 χ^2/NDF:1414116.3/18

All: 674.240+/-0.128 χ^2/NDF: 2464597.2/34



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

Left Out: 332.594+/-1078.948 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 332.594+/-1078.948 χ^2/NDF: 0.0/0

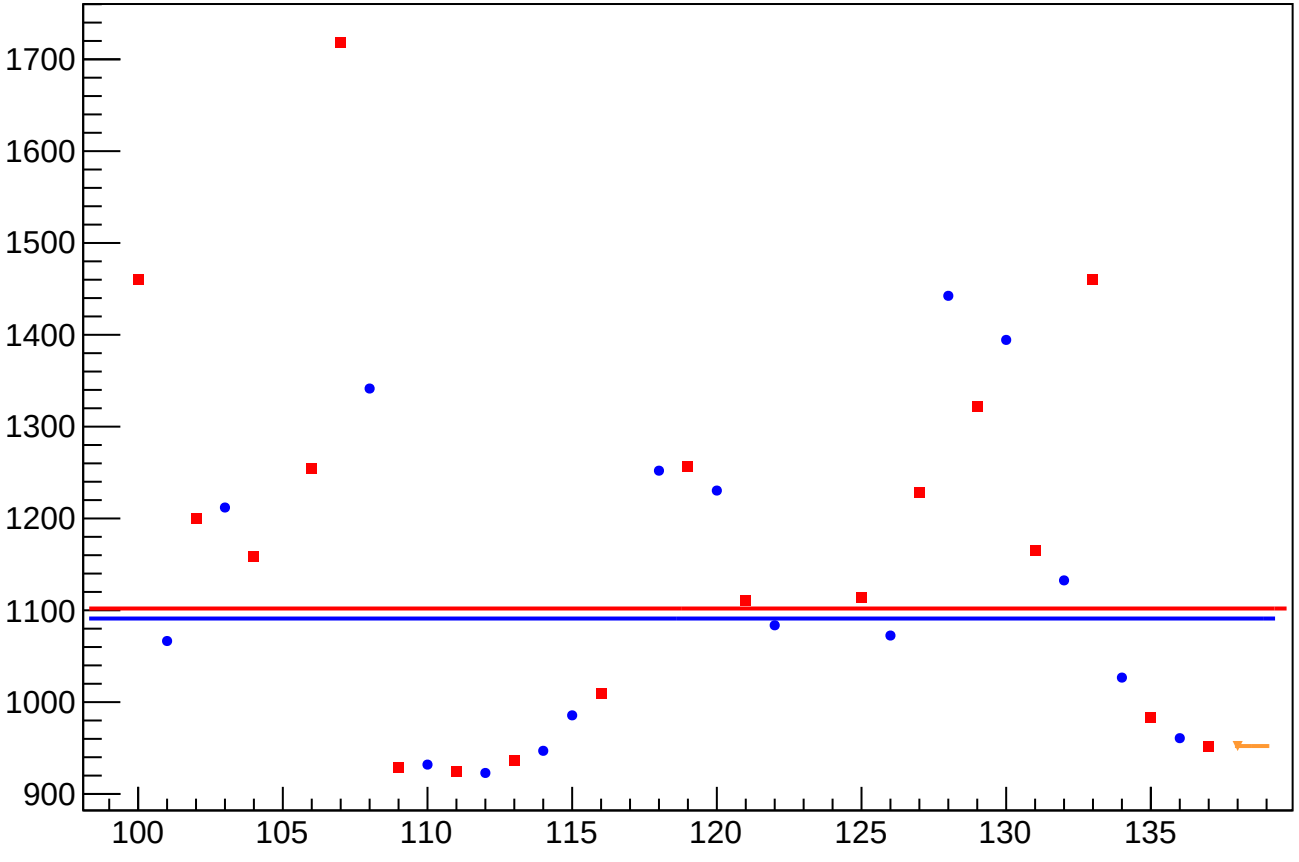
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -91.305+/-409.957 χ^2/NDF:14.5/15

Out: -449.495+/-384.539 χ^2/NDF:7.1/18

All: -281.848+/-280.465 χ^2/NDF: 22.1/34

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 952.176+/-0.763 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

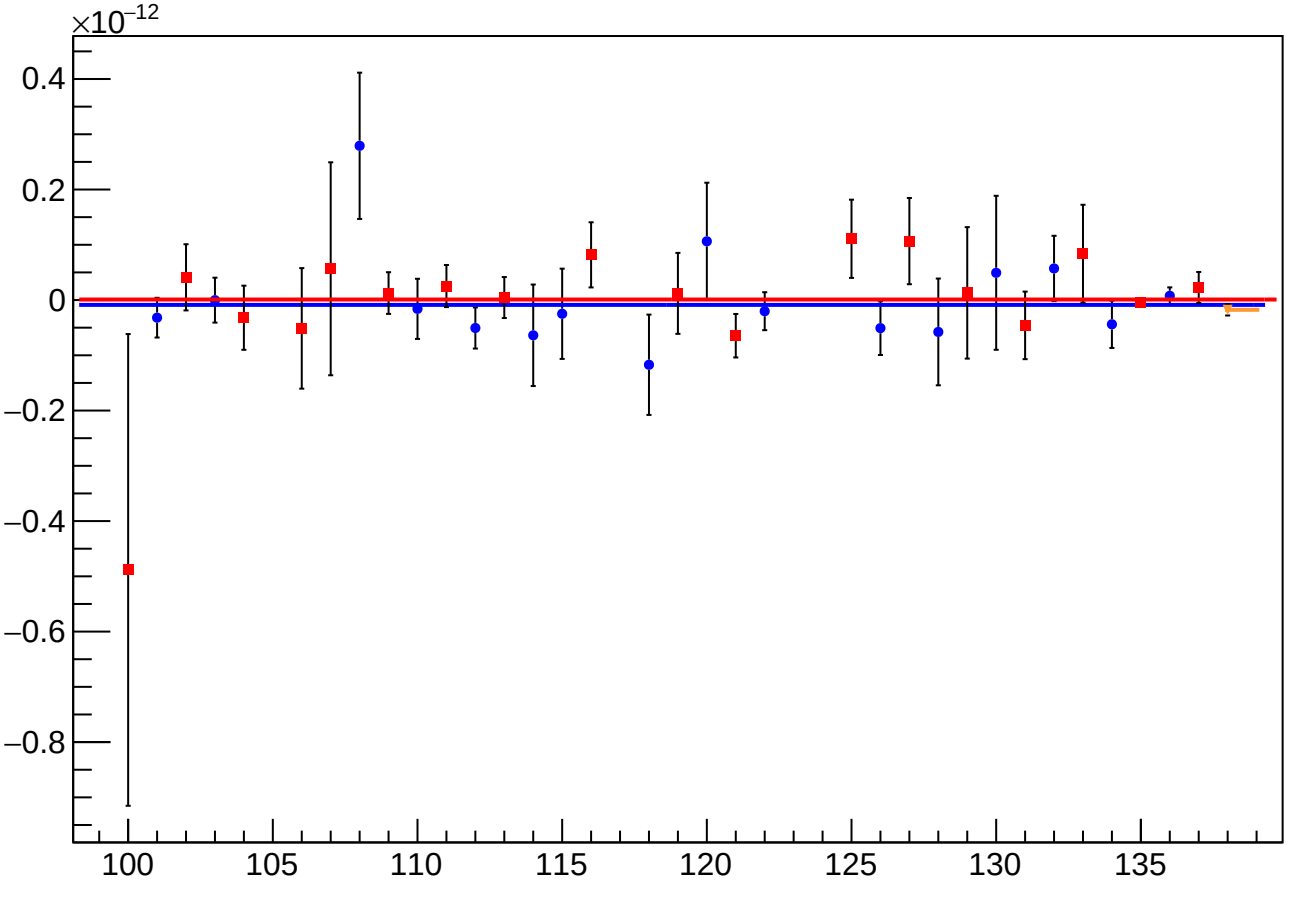
Left: 952.176+/-0.763 χ^2/NDF: 0.0/0

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

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

Out: 1082.928+/-0.272 χ^2/NDF:361752.9/18

All: 1086.725+/-0.198 χ^2/NDF: 639474.5/34



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

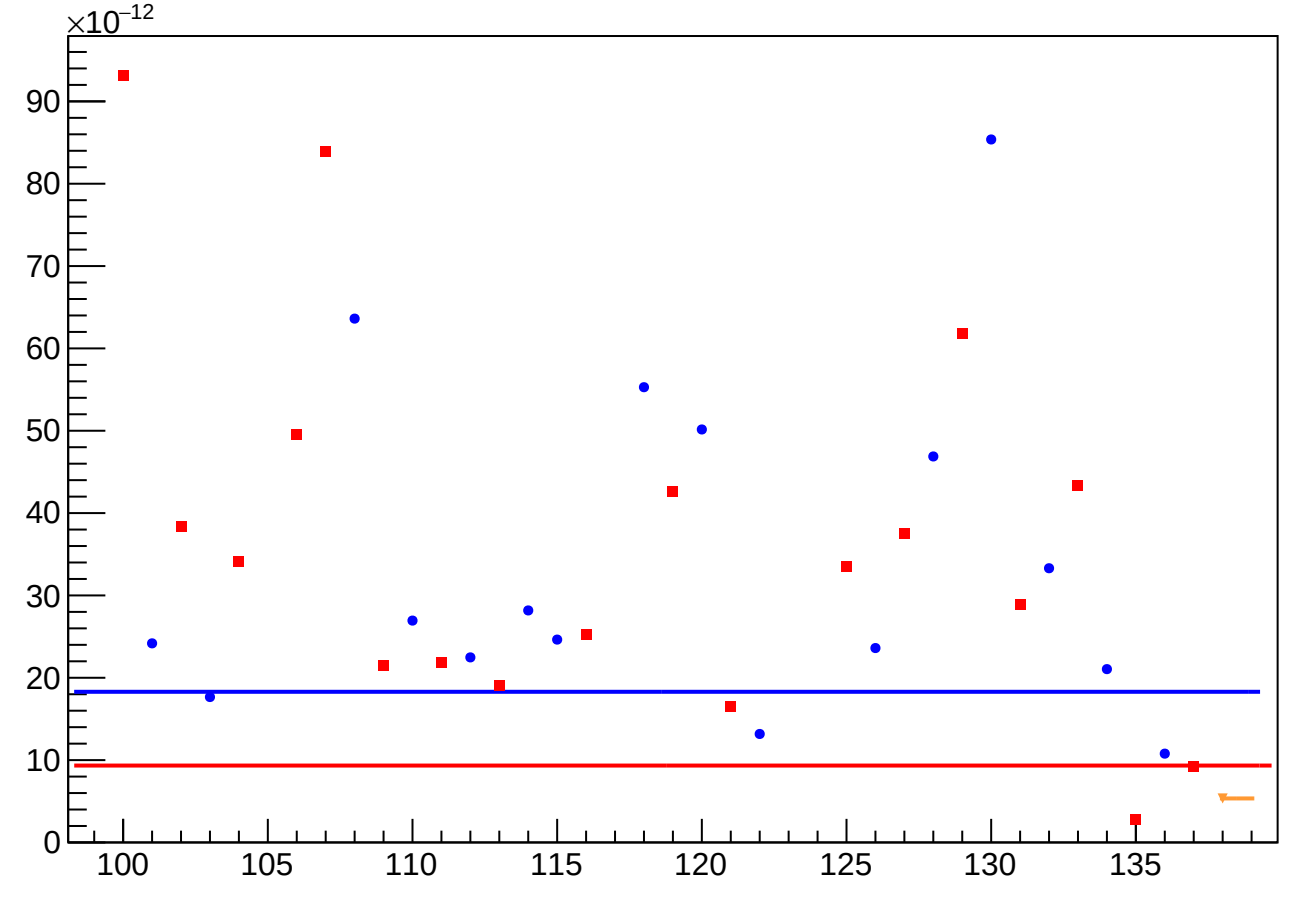
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

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

In: -0.000+/-0.000 χ^2/NDF:13.8/15

Out: -0.000+/-0.000 χ^2/NDF:16.5/18

All: -0.000+/-0.000 χ^2/NDF: 30.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 2242543.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 5140446.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

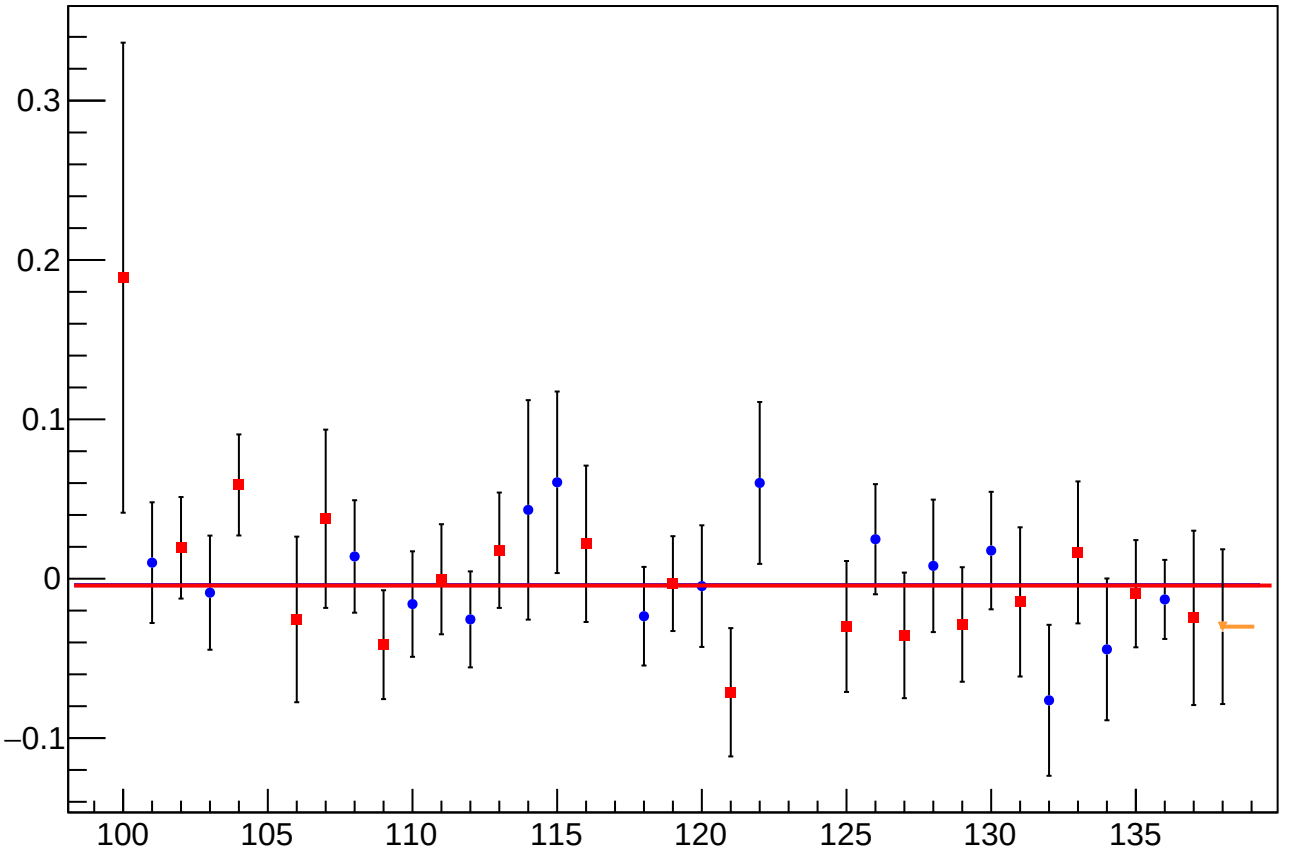
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 8399783.6/33

In: 0.000+/-0.000 χ^2/NDF:2242543.6/15

Out: 0.000+/-0.000 χ^2/NDF:5341261.6/18

All: 0.000+/-0.000 χ^2/NDF: 9095759.0/34



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

Left Out: -0.030+/-0.049 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

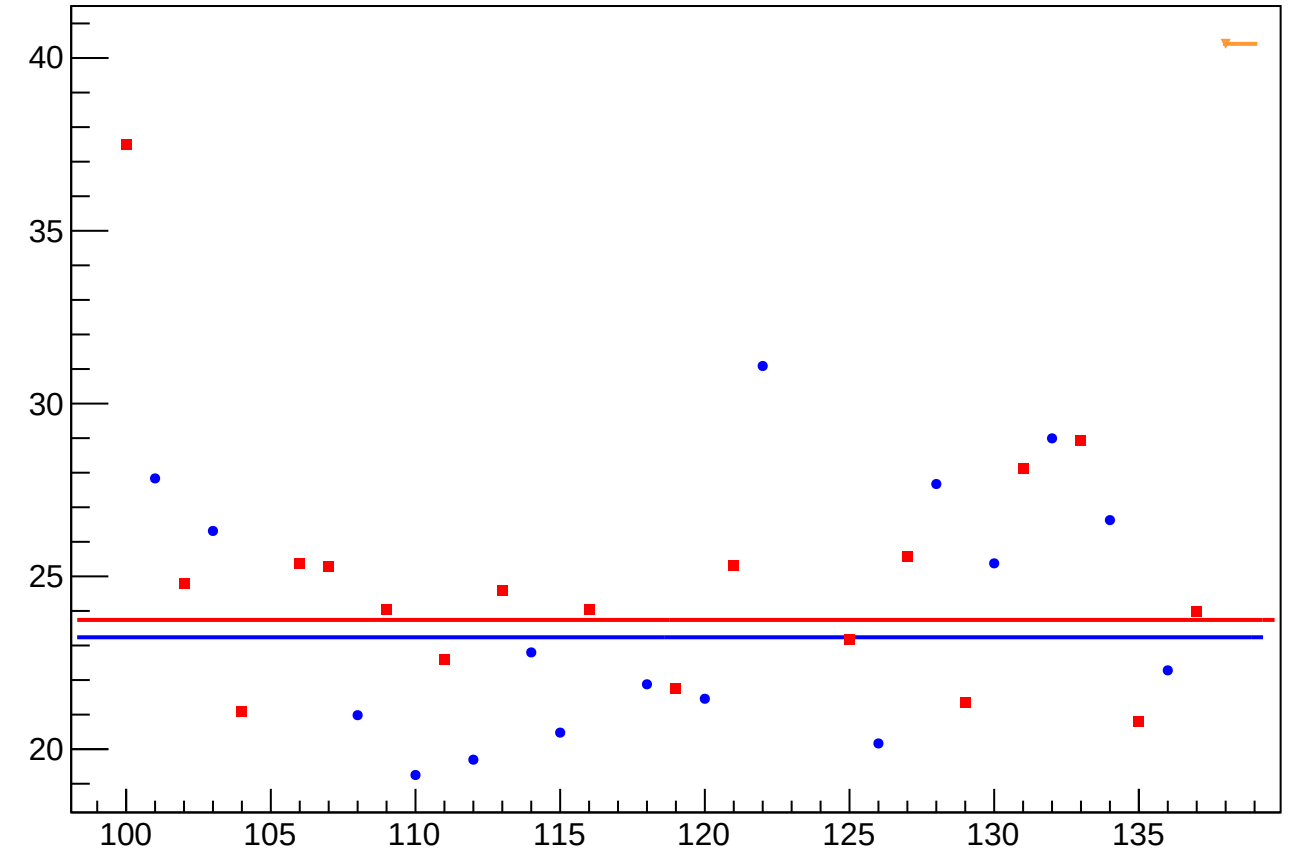
Left: -0.030+/-0.049 χ^2/NDF: 0.0/0

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

In: -0.004+/-0.009 χ^2/NDF:9.2/15

Out: -0.005+/-0.009 χ^2/NDF:13.8/18

All: -0.005+/-0.007 χ^2/NDF: 23.0/34



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

Left Out: 40.409+/-0.034 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

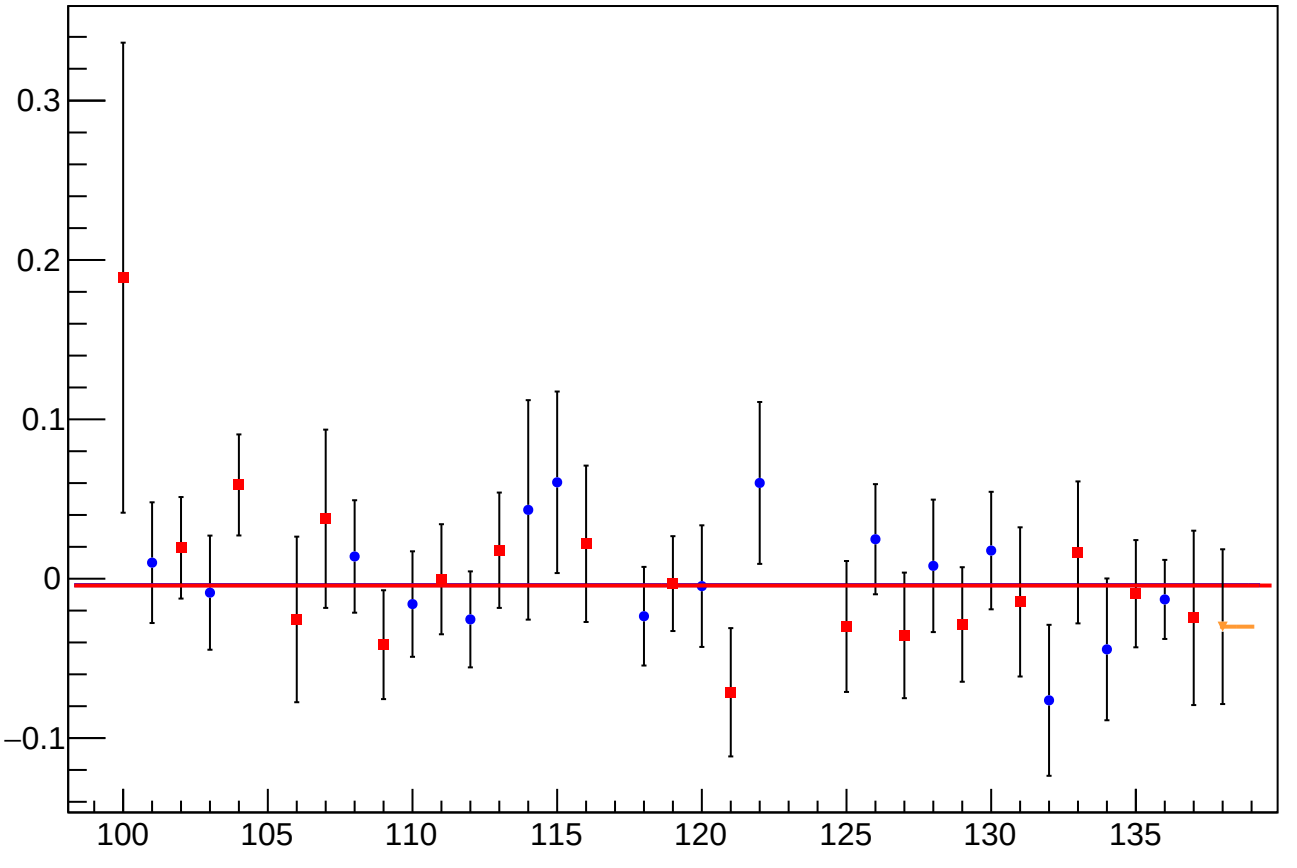
Left: 40.409+/-0.034 χ^2/NDF: 0.0/0

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

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

Out: 24.332+/-0.006 χ^2/NDF:353481.3/18

All: 23.792+/-0.005 χ^2/NDF: 626839.5/34



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

Left Out: -0.030+/-0.049 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

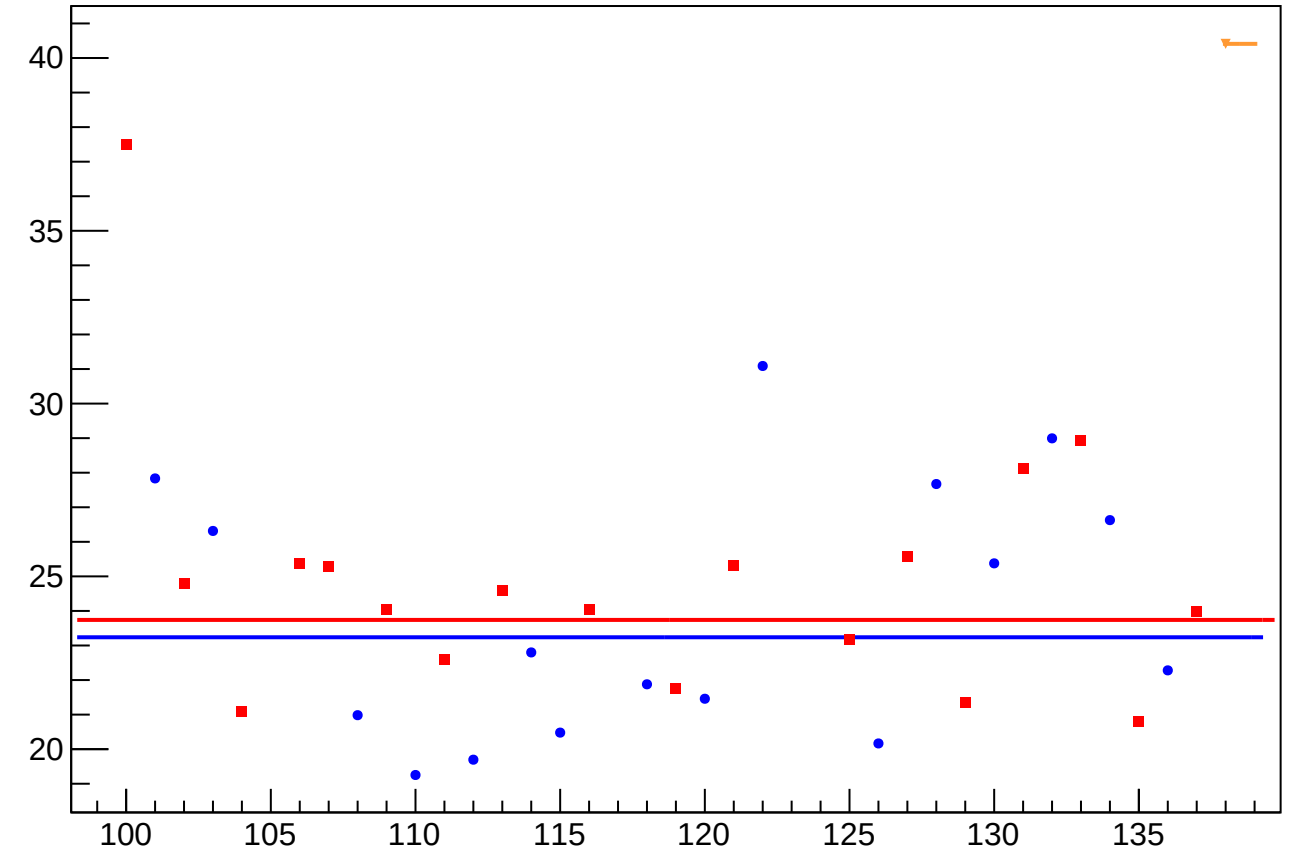
Left: -0.030+/-0.049 χ^2/NDF: 0.0/0

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

In: -0.004+/-0.009 χ^2/NDF:9.2/15

Out: -0.005+/-0.009 χ^2/NDF:13.8/18

All: -0.005+/-0.007 χ^2/NDF: 23.0/34



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

Left Out: 40.409+/-0.034 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

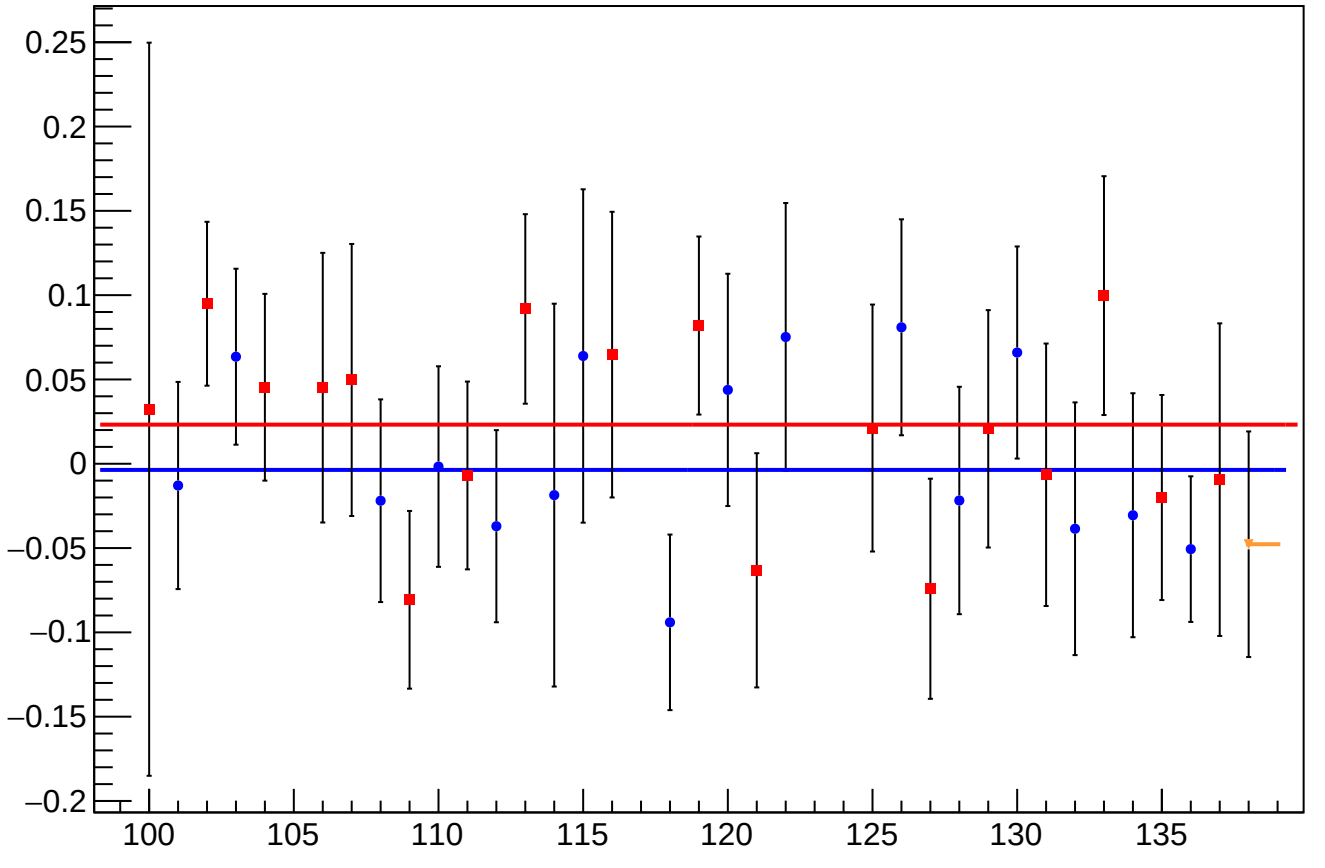
Left: 40.409+/-0.034 χ^2/NDF: 0.0/0

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

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

Out: 24.332+/-0.006 χ^2/NDF:353481.3/18

All: 23.792+/-0.005 χ^2/NDF: 626839.5/34



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

Left Out: -0.048+/-0.067 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

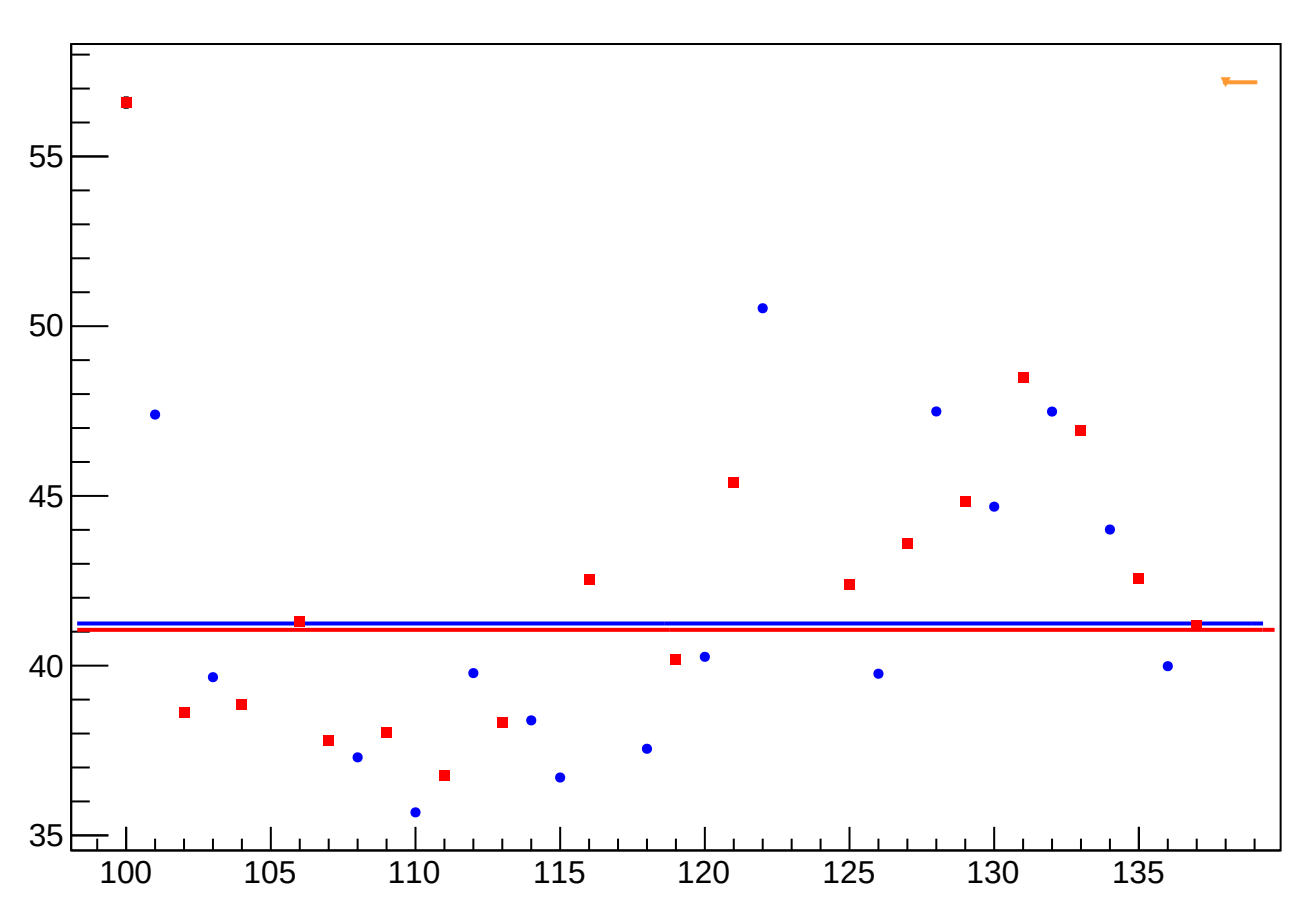
Left: -0.048+/-0.067 χ^2/NDF: 0.0/0

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.004+/-0.016 χ^2/NDF:11.7/15

Out: 0.020+/-0.015 χ^2/NDF:16.5/18

All: 0.008+/-0.011 χ^2/NDF: 29.2/34



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

Left Out: 57.185+/-0.047 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

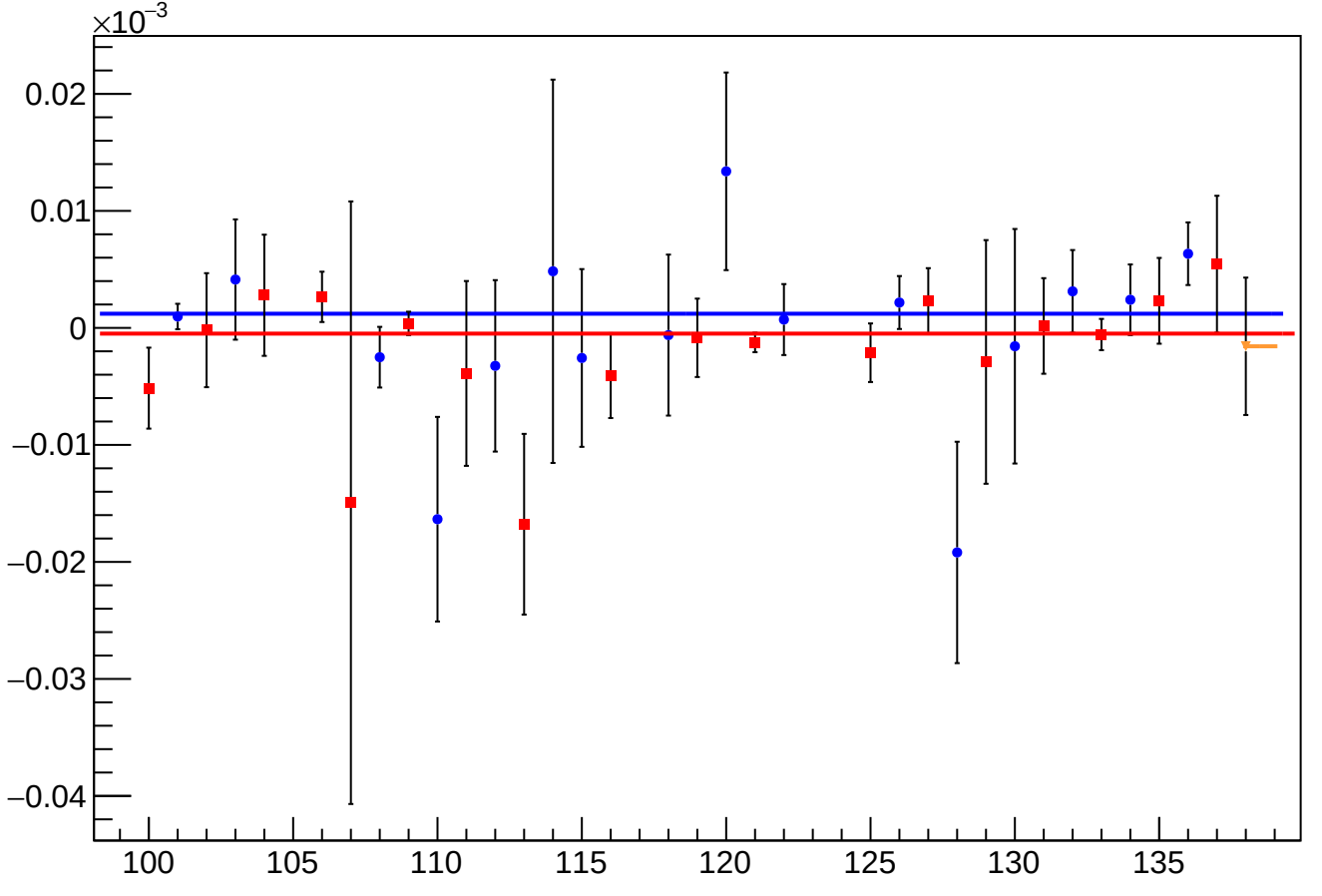
Left: 57.185+/-0.047 χ^2/NDF: 0.0/0

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

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

Out: 41.877+/-0.011 χ^2/NDF:206878.8/18

All: 41.572+/-0.008 χ^2/NDF: 343854.9/34



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

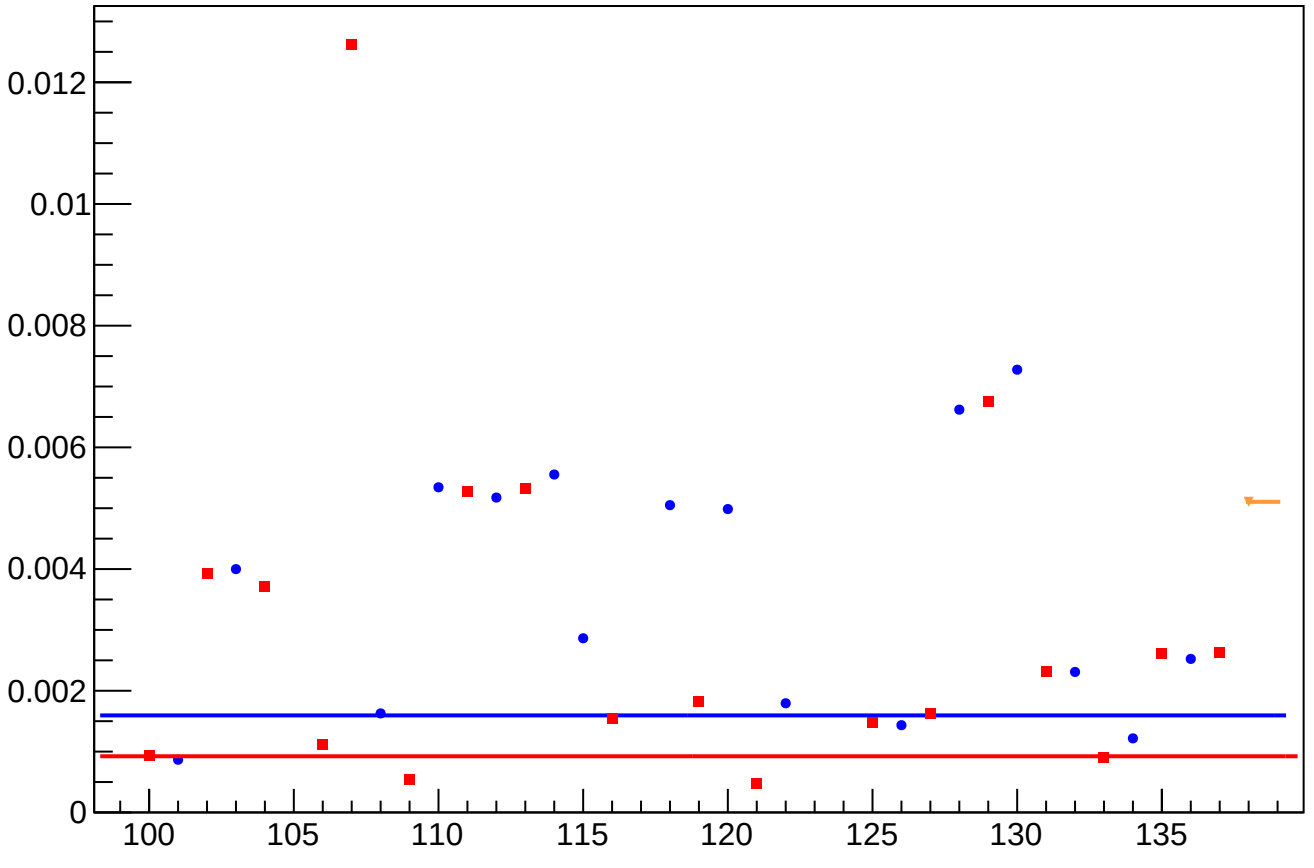
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:18.3/15

Out: -0.000+/-0.000 χ^2/NDF:15.0/18

All: 0.000+/-0.000 χ^2/NDF: 36.9/34



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

Left Out: 0.005+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

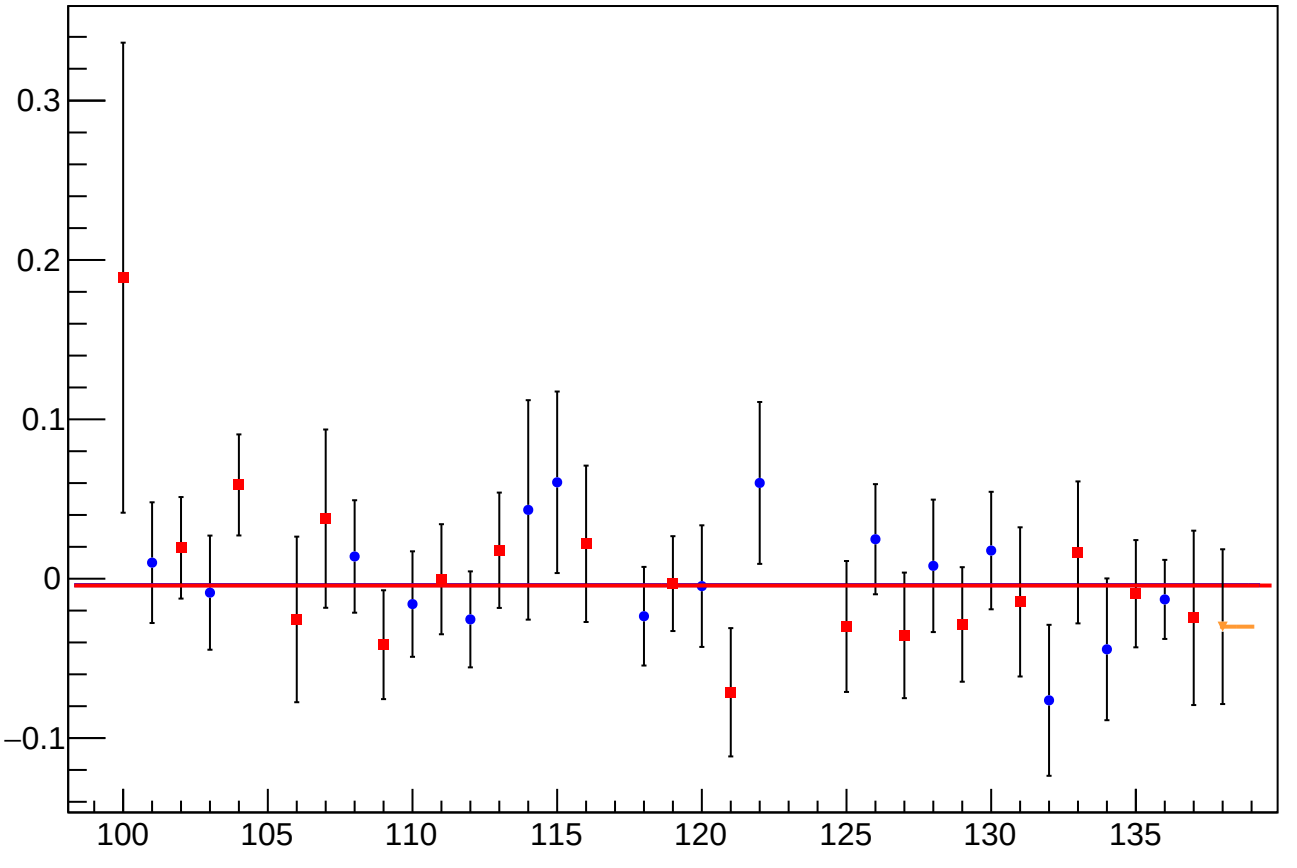
Left: 0.005+/-0.000 χ^2/NDF: 0.0/0

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

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

Out: 0.001+/-0.000 χ^2/NDF:6787797.6/18

All: 0.001+/-0.000 χ^2/NDF: 12568323.6/34



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

Left Out: -0.030+/-0.049 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.049 χ^2/NDF: 0.0/0

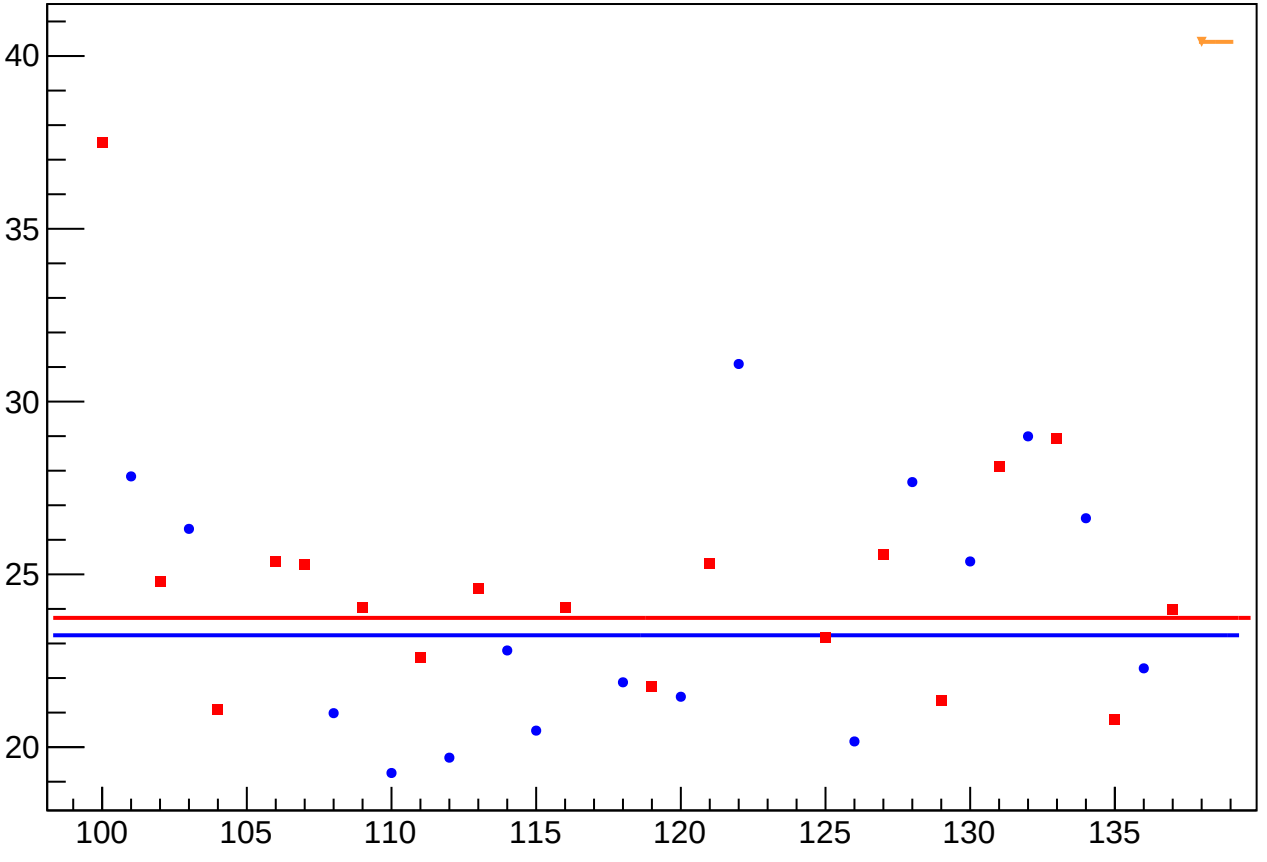
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.004+/-0.009 χ^2/NDF:9.2/15

Out: -0.005+/-0.009 χ^2/NDF:13.8/18

All: -0.005+/-0.007 χ^2/NDF: 23.0/34

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 40.410+/-0.034 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 40.410+/-0.034 χ^2/NDF: 0.0/0

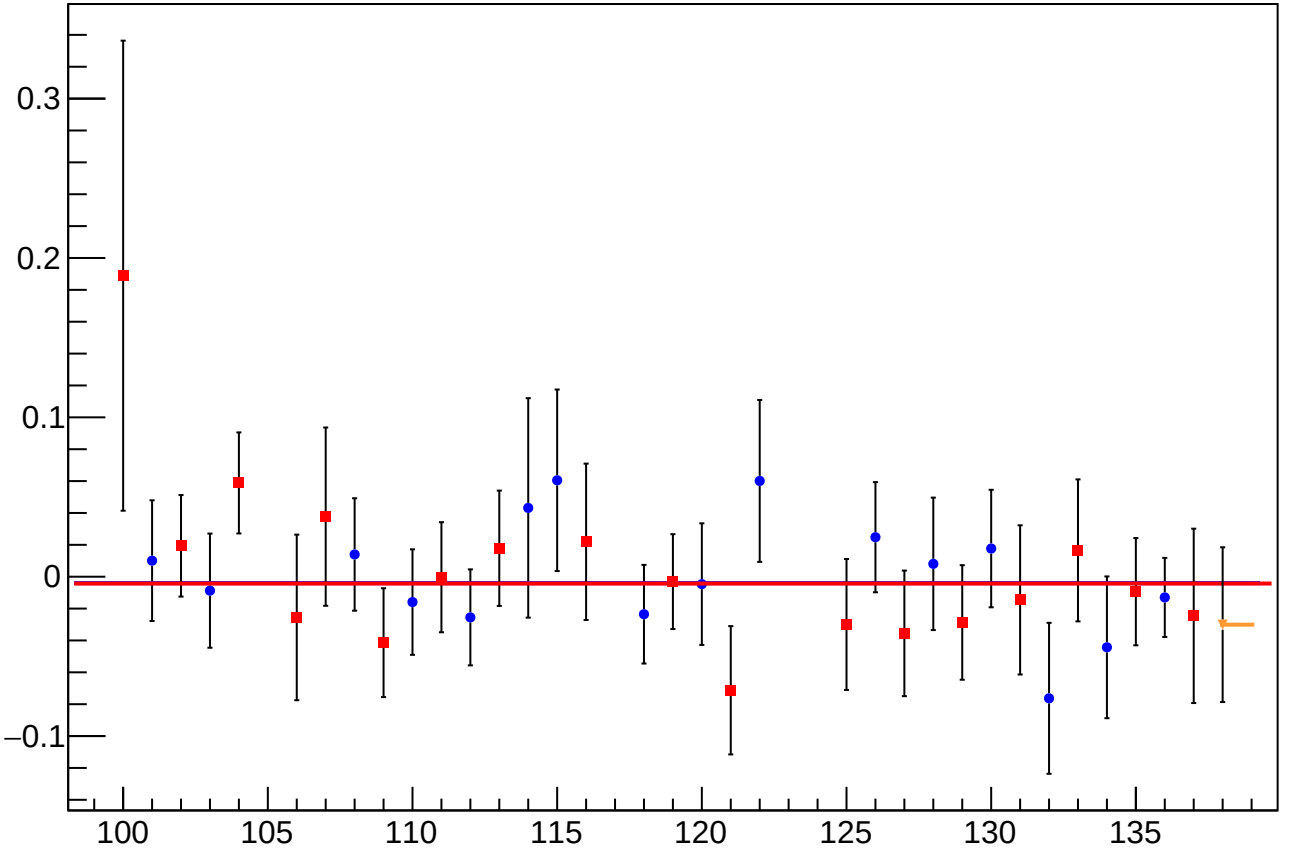
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

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

Out: 24.332+/-0.006 χ^2/NDF:353431.8/18

All: 23.791+/-0.005 χ^2/NDF: 626802.2/34

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.030+/-0.049 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.049 χ^2/NDF: 0.0/0

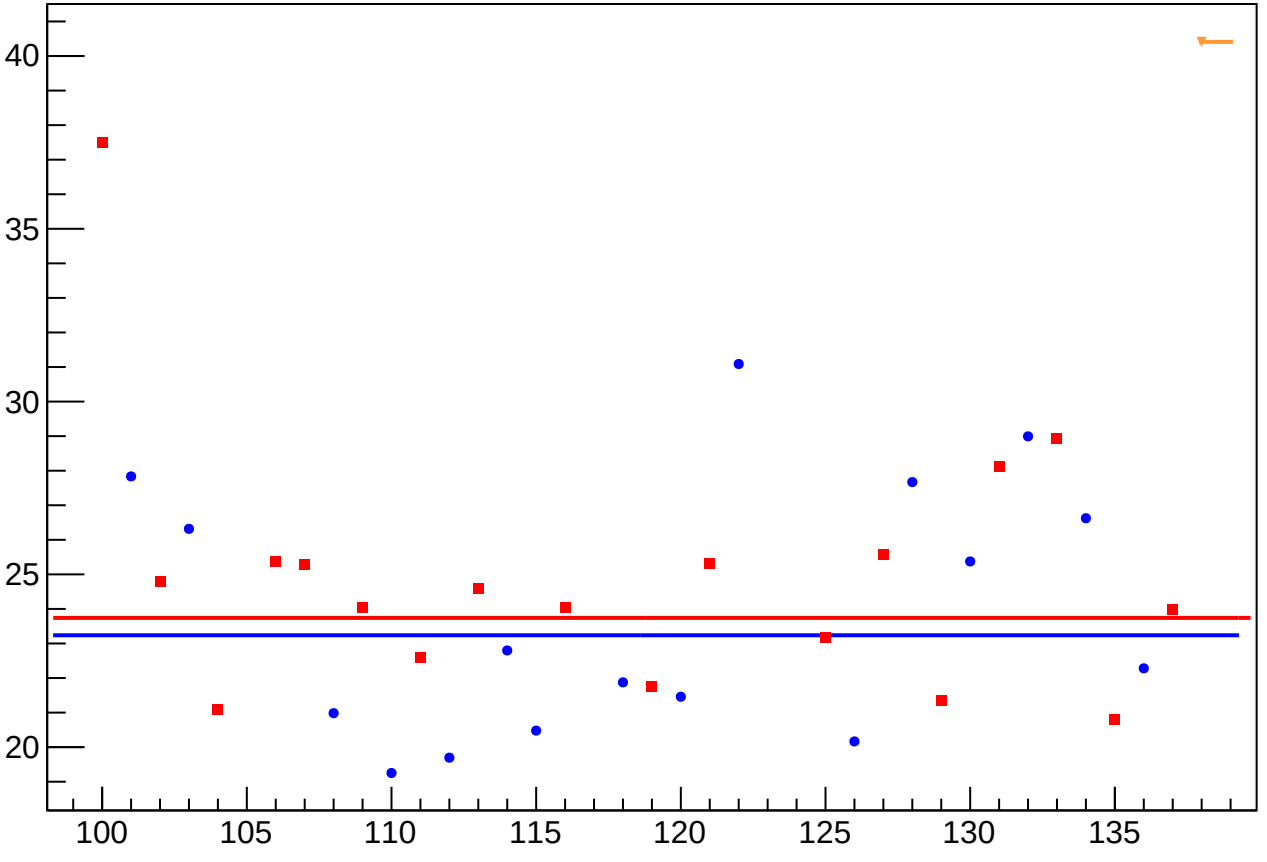
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.004+/-0.009 χ^2/NDF:9.2/15

Out: -0.005+/-0.009 χ^2/NDF:13.8/18

All: -0.005+/-0.007 χ^2/NDF: 23.0/34

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 40.410+/-0.034 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 40.410+/-0.034 χ^2/NDF: 0.0/0

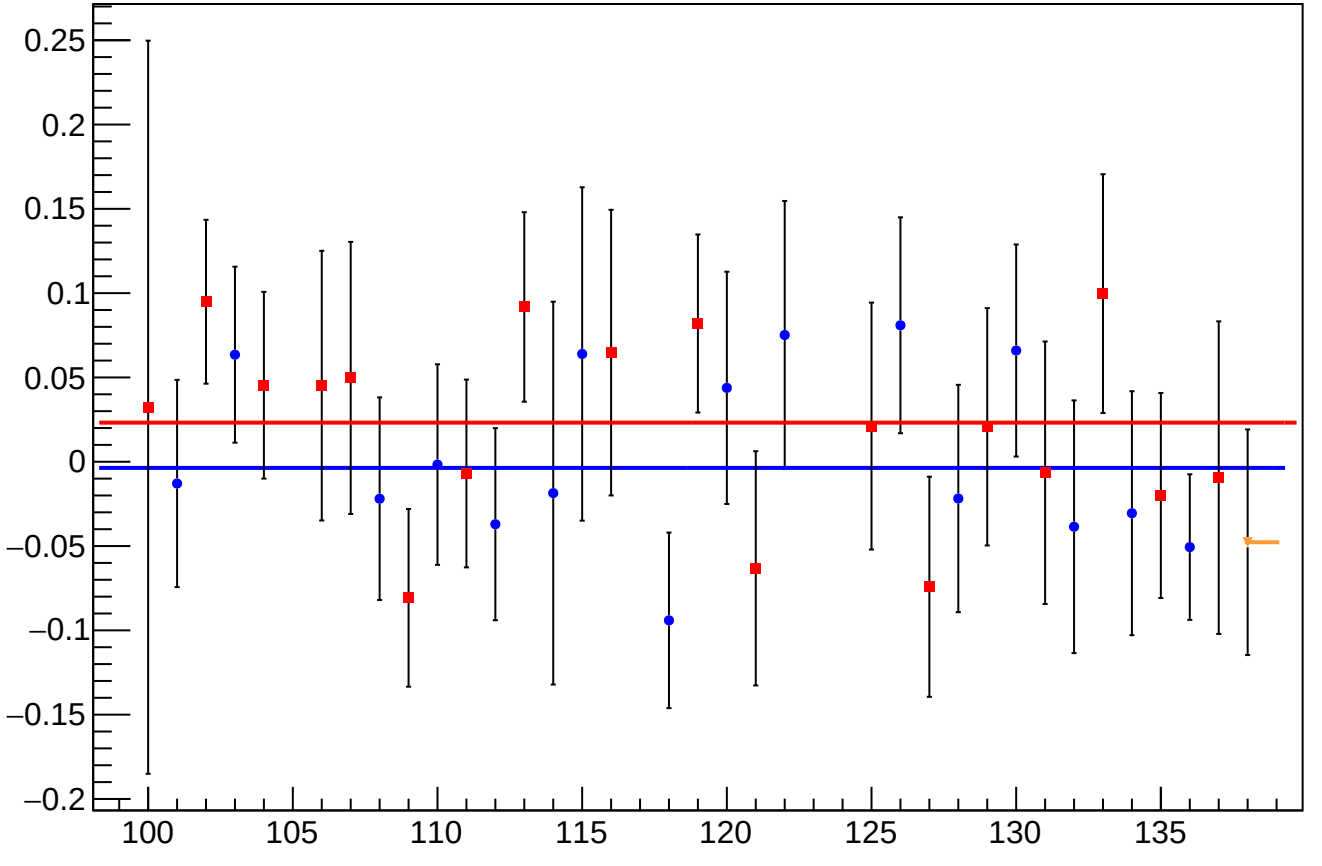
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

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

Out: 24.332+/-0.006 χ^2/NDF:353431.8/18

All: 23.791+/-0.005 χ^2/NDF: 626802.2/34

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.048+/-0.067 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.048+/-0.067 χ^2/NDF: 0.0/0

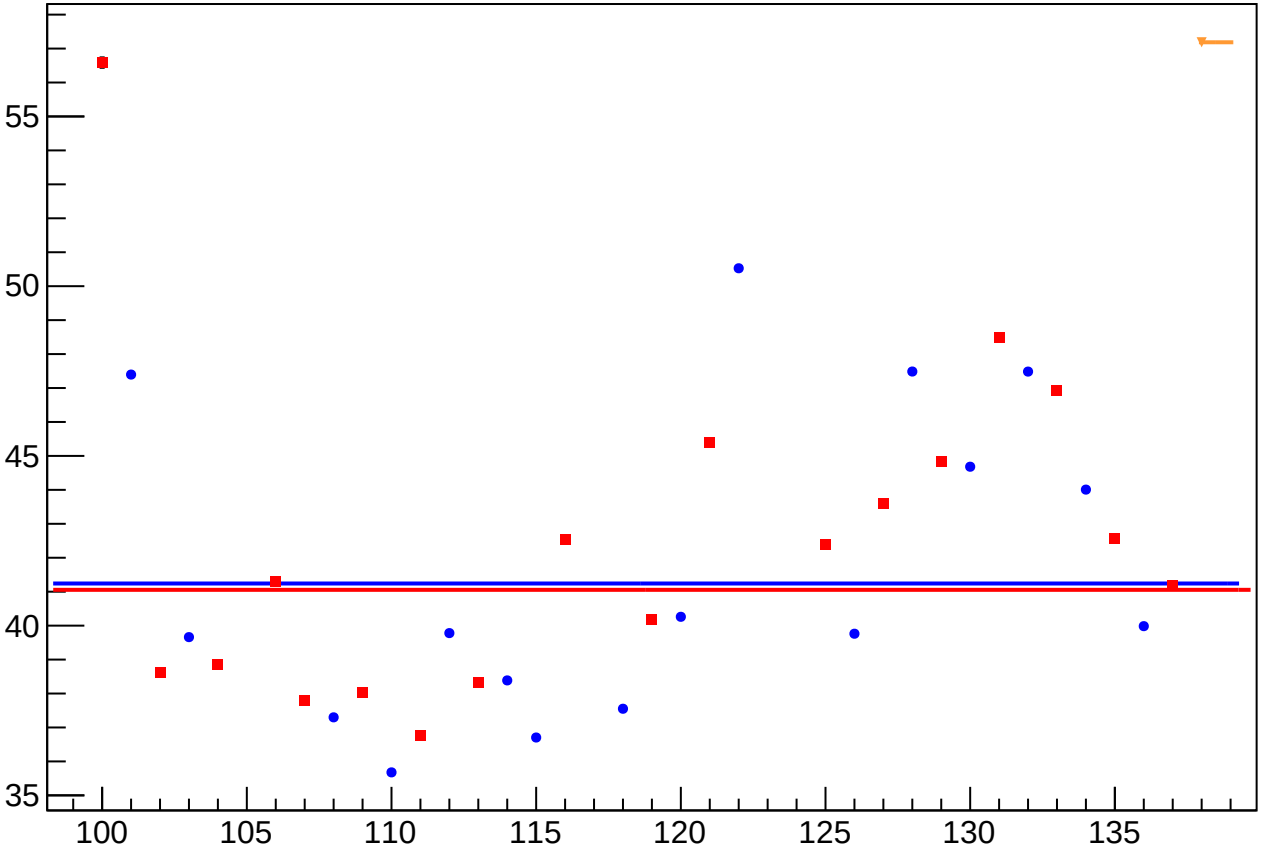
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.004+/-0.016 χ^2/NDF:11.7/15

Out: 0.020+/-0.015 χ^2/NDF:16.5/18

All: 0.008+/-0.011 χ^2/NDF: 29.2/34

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: 57.185+/-0.047 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

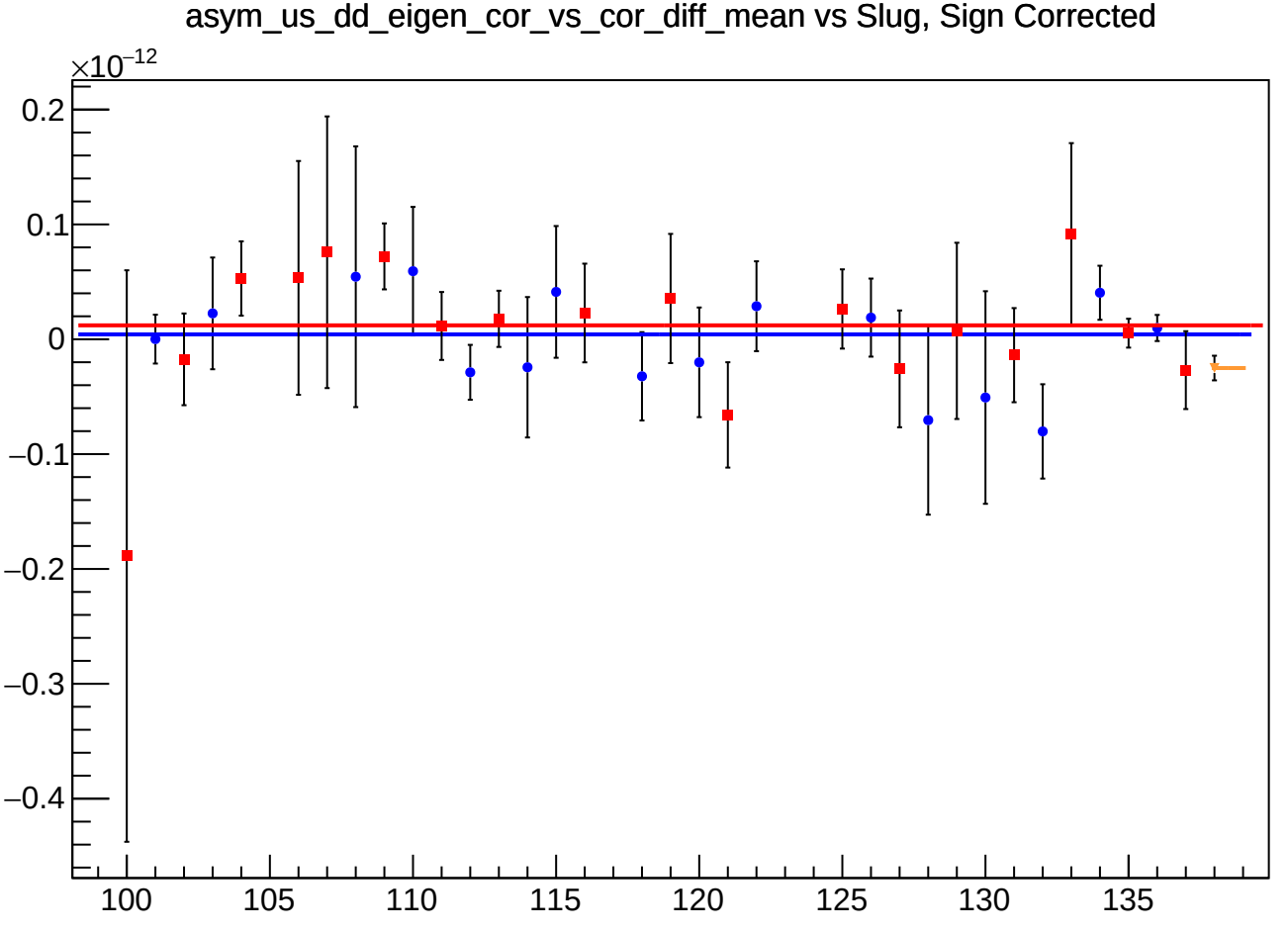
Left: 57.185+/-0.047 χ^2/NDF: 0.0/0

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

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

Out: 41.877+/-0.011 χ^2/NDF:206871.3/18

All: 41.572+/-0.008 χ^2/NDF: 343826.4/34



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

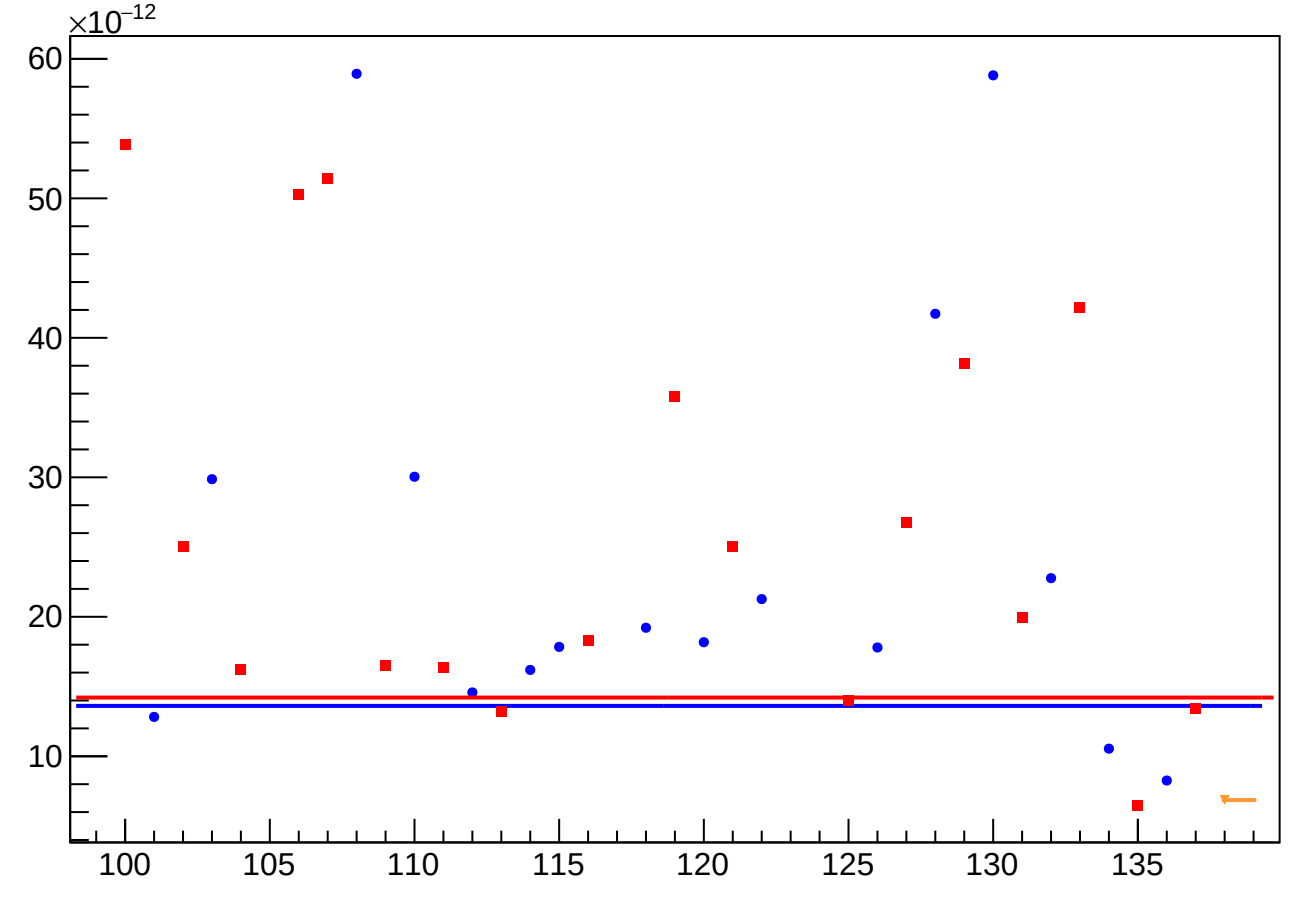
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:13.6/15

Out: -0.000+/-0.000 χ^2/NDF:22.4/18

All: 0.000+/-0.000 χ^2/NDF: 36.3/34



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

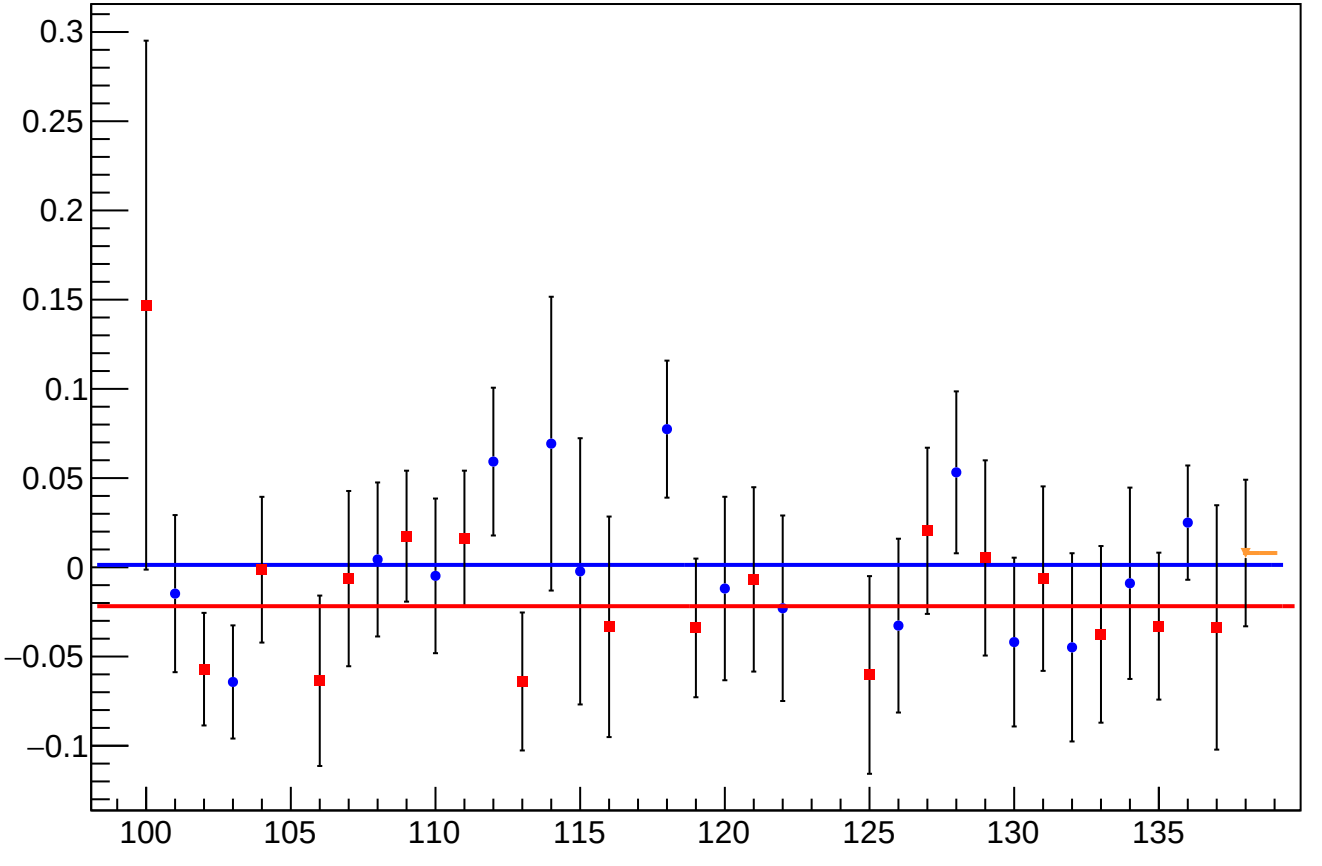
Right: 0.000+/-0.000 χ^2/NDF: 4666493.6/33

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

Out: 0.000+/-0.000 χ^2/NDF:3085642.6/18

All: 0.000+/-0.000 χ^2/NDF: 5354000.5/34

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.008+/-0.041 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.008+/-0.041 χ^2/NDF: 0.0/0

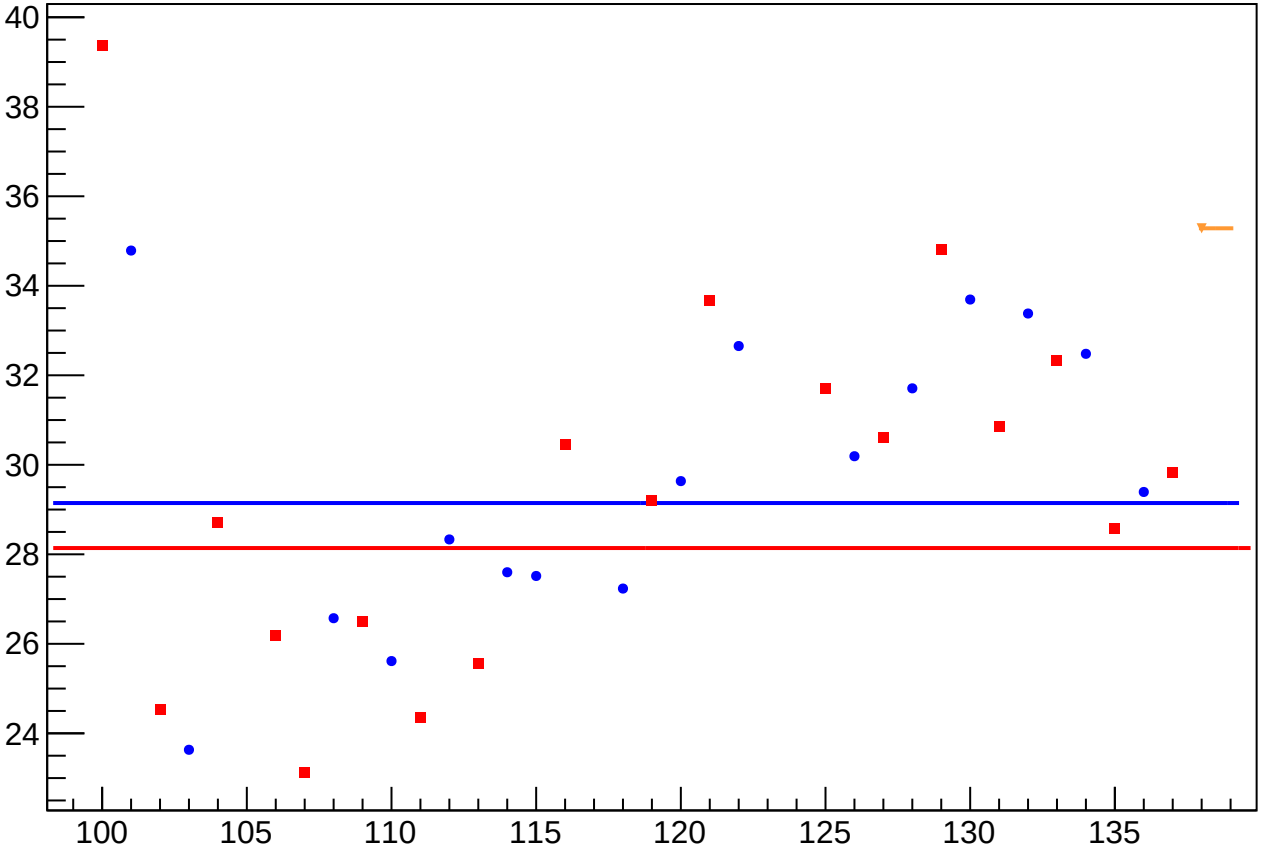
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.001+/-0.011 χ^2/NDF:15.3/15

Out: -0.020+/-0.010 χ^2/NDF:9.5/18

All: -0.010+/-0.008 χ^2/NDF: 26.7/34

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: 35.284+/-0.029 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 35.284+/-0.029 χ^2/NDF: 0.0/0

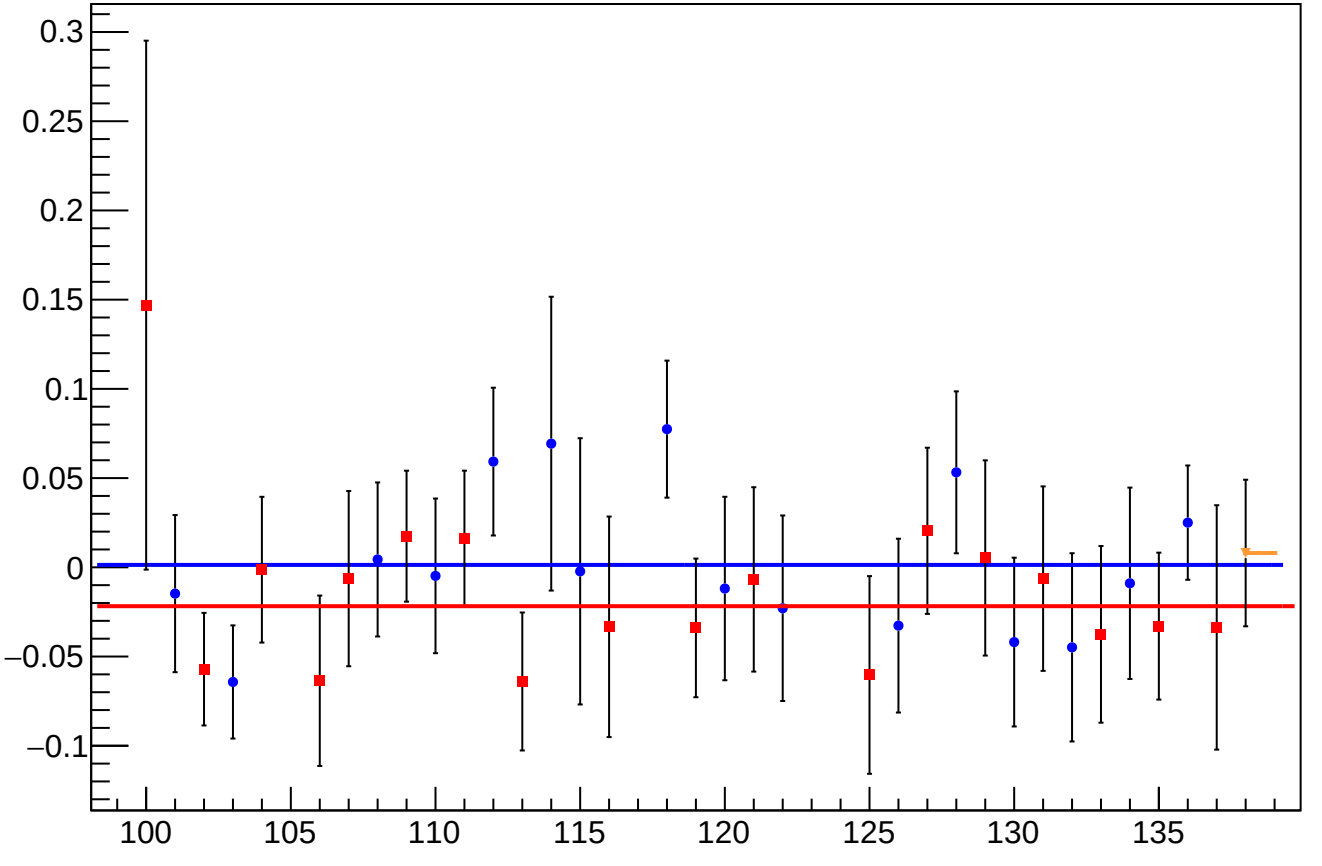
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

Out: 28.601+/-0.007 χ^2/NDF:243719.5/18

All: 28.853+/-0.005 χ^2/NDF: 423144.2/34

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: 0.008+/-0.041 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.008+/-0.041 χ^2/NDF: 0.0/0

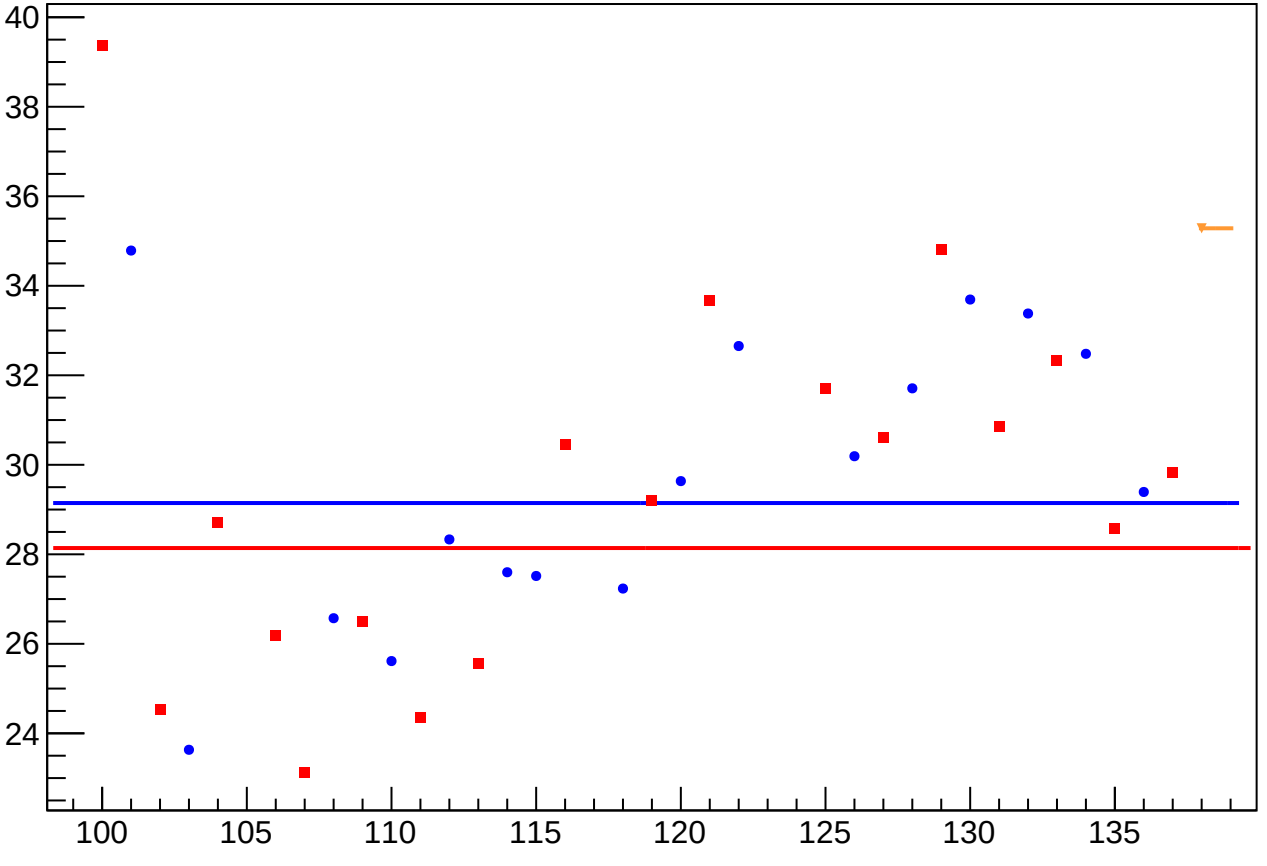
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.001+/-0.011 χ^2/NDF:15.3/15

Out: -0.020+/-0.010 χ^2/NDF:9.5/18

All: -0.010+/-0.008 χ^2/NDF: 26.7/34

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: 35.284+/-0.029 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 35.284+/-0.029 χ^2/NDF: 0.0/0

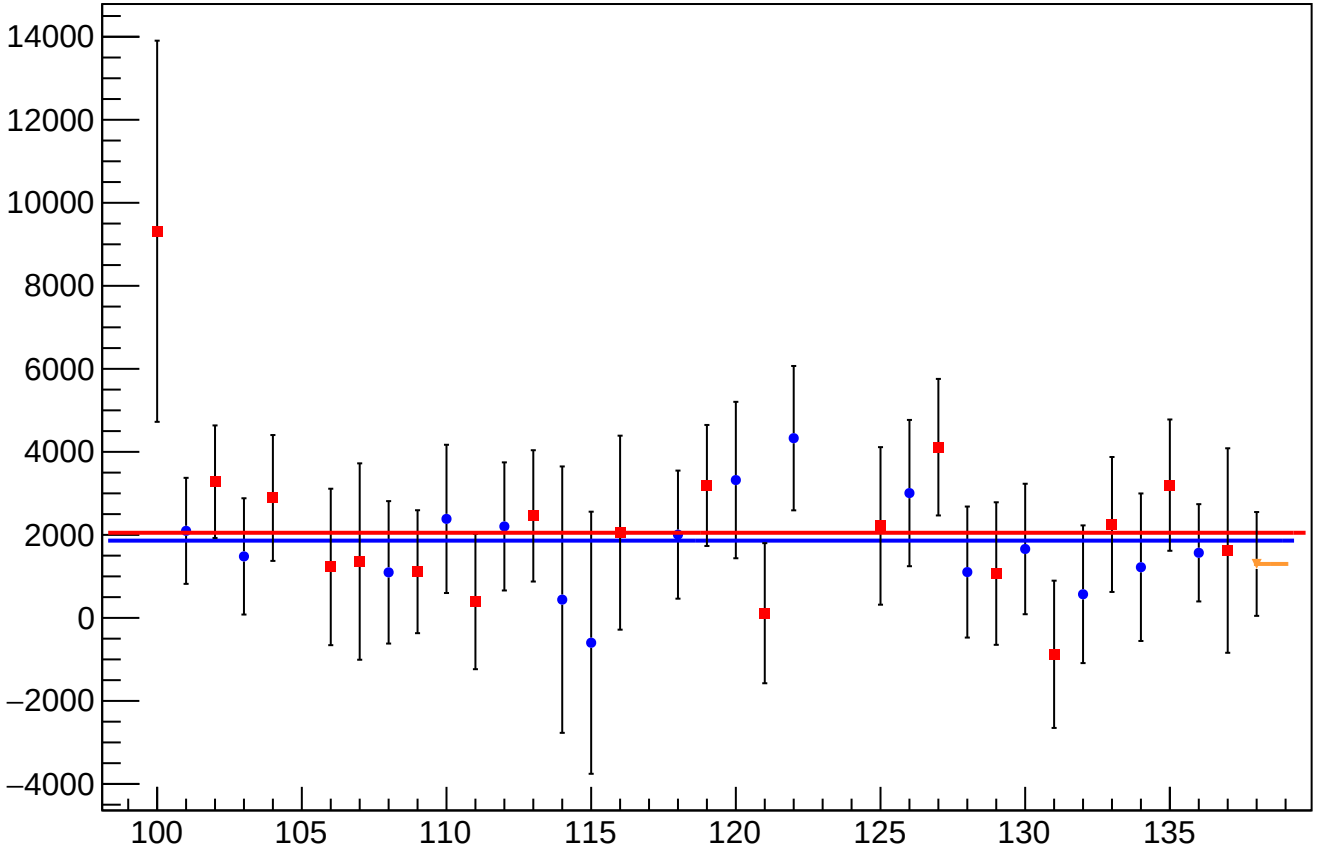
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

Out: 28.601+/-0.007 χ^2/NDF:243719.5/18

All: 28.853+/-0.005 χ^2/NDF: 423144.2/34

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1299.810+/-1250.792 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1299.810+/-1250.792 χ^2/NDF: 0.0/0

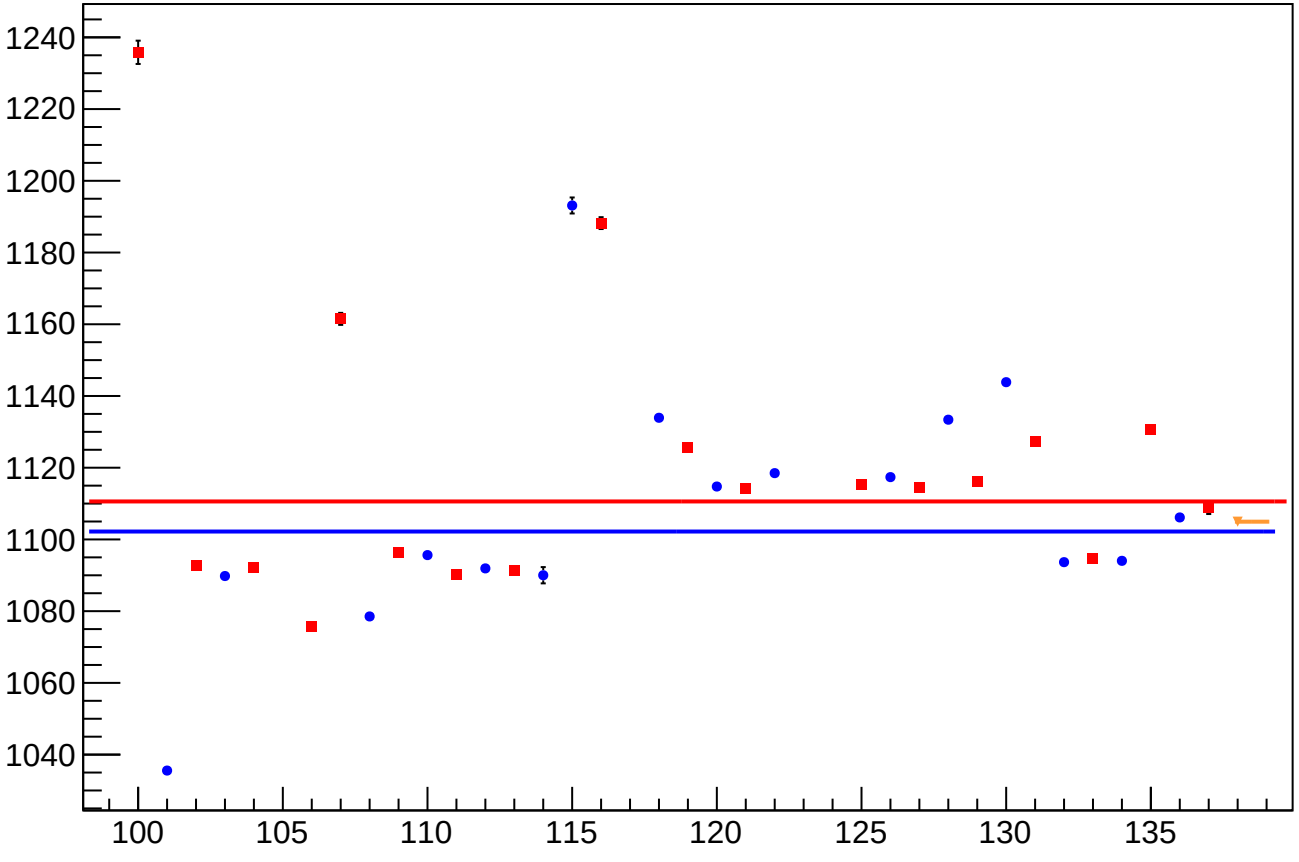
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1861.525+/-409.524 χ^2/NDF:5.3/15

Out: 1978.215+/-388.958 χ^2/NDF:12.9/18

All: 1922.874+/-282.025 χ^2/NDF: 18.2/34

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1104.953+/-0.884 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

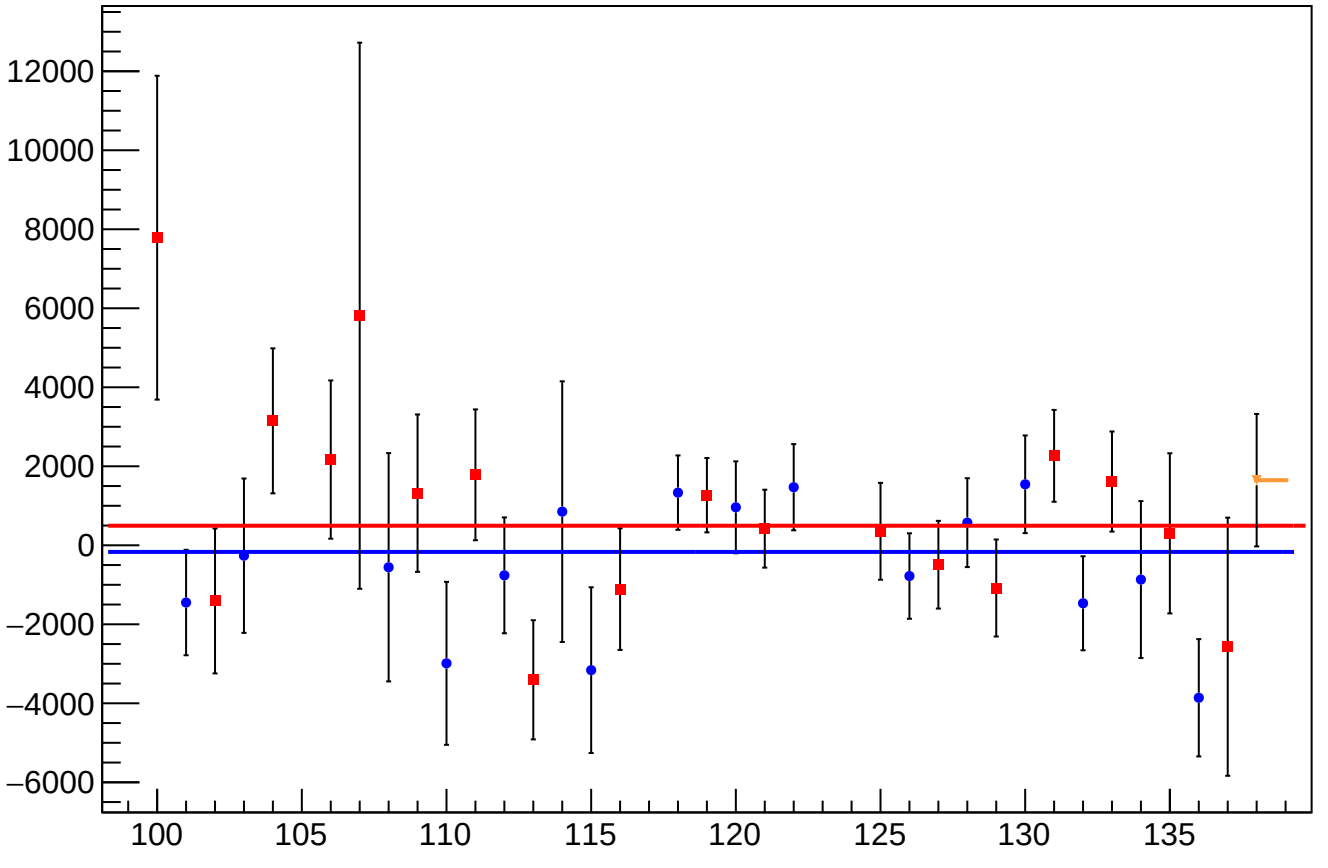
Left: 1104.953+/-0.884 χ^2/NDF: 0.0/0

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

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

Out: 1110.046+/-0.275 χ^2/NDF:7732.8/18

All: 1106.328+/-0.199 χ^2/NDF: 19467.2/34



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

Left Out: 1648.265+/-1676.306 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1648.265+/-1676.306 χ^2/NDF: 0.0/0

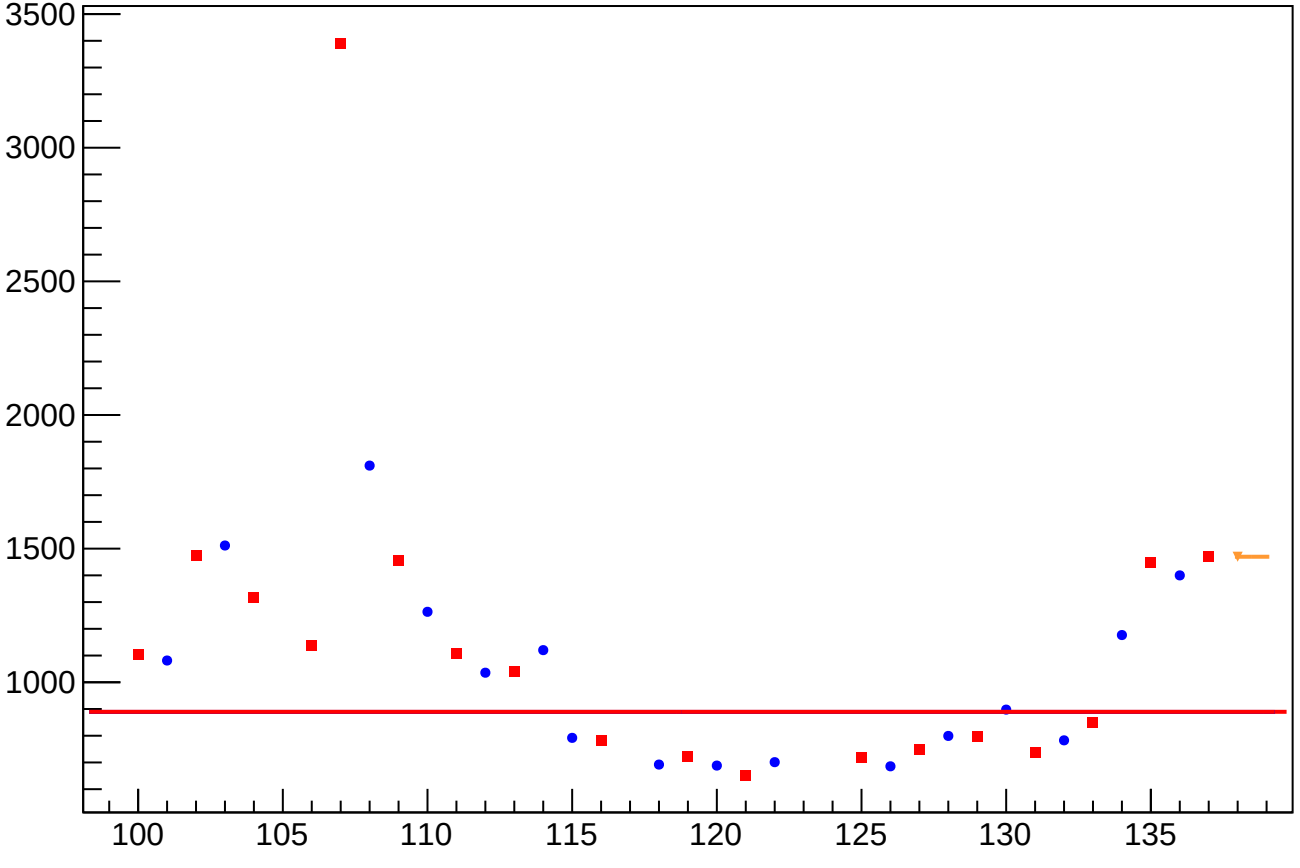
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

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

Out: 542.044+/-337.968 χ^2/NDF:23.7/18

All: 194.838+/-241.578 χ^2/NDF: 46.9/34

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1469.670+/-1.185 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1469.670+/-1.185 χ^2/NDF: 0.0/0

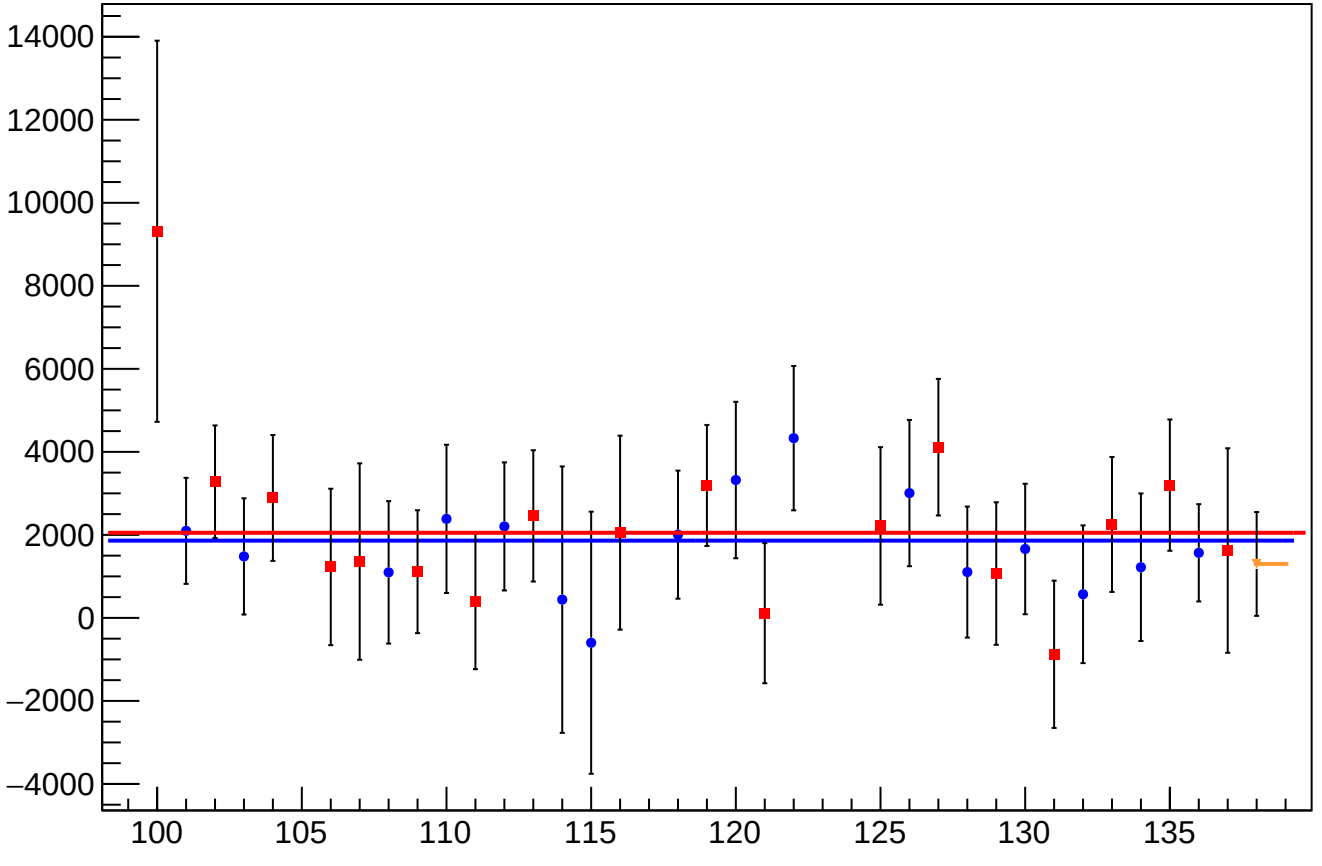
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 913.062+/-0.239 χ^2/NDF:1575600.3/18

All: 901.273+/-0.171 χ^2/NDF: 2713342.8/34

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1299.810+/-1250.792 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1299.810+/-1250.792 χ^2/NDF: 0.0/0

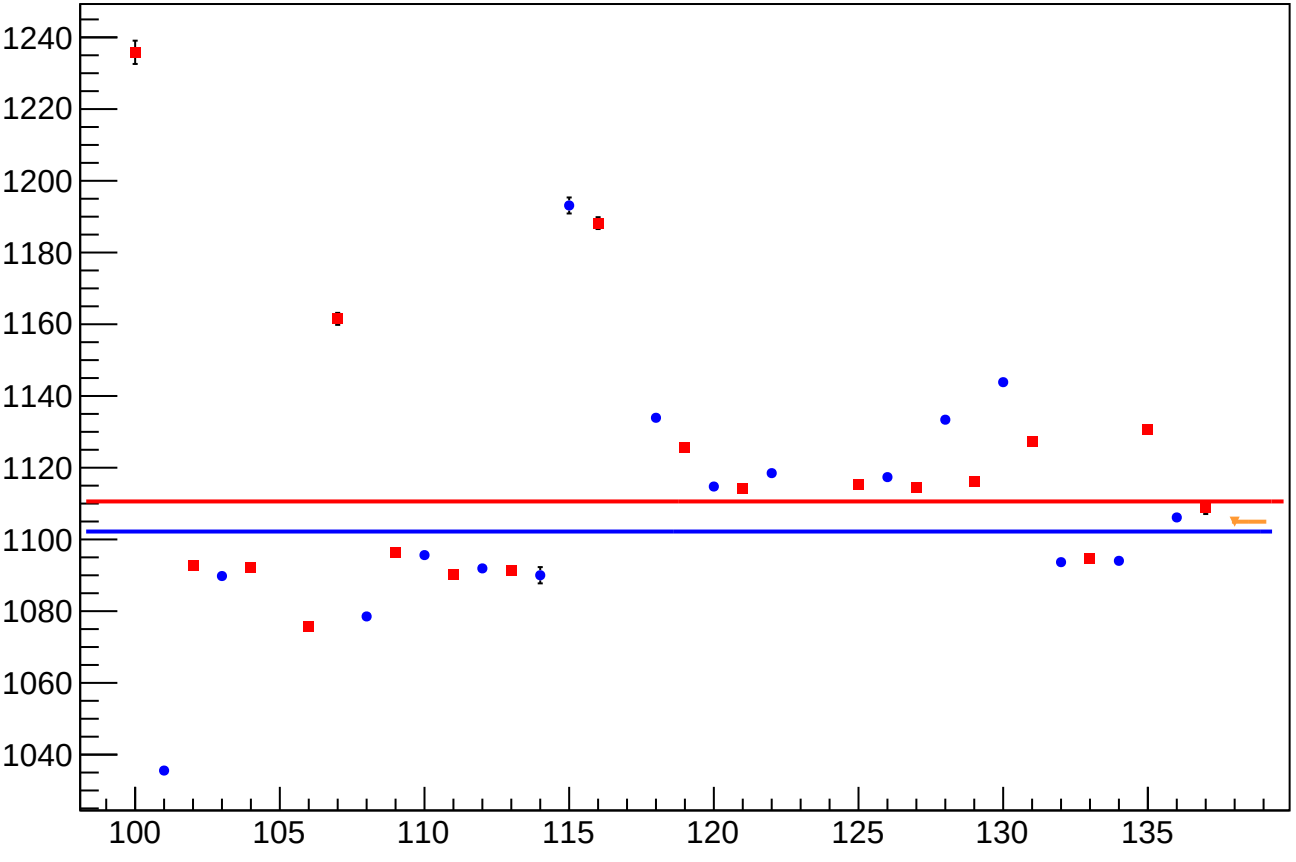
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1861.525+/-409.524 χ^2/NDF:5.3/15

Out: 1978.215+/-388.958 χ^2/NDF:12.9/18

All: 1922.874+/-282.025 χ^2/NDF: 18.2/34

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1104.953+/-0.884 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

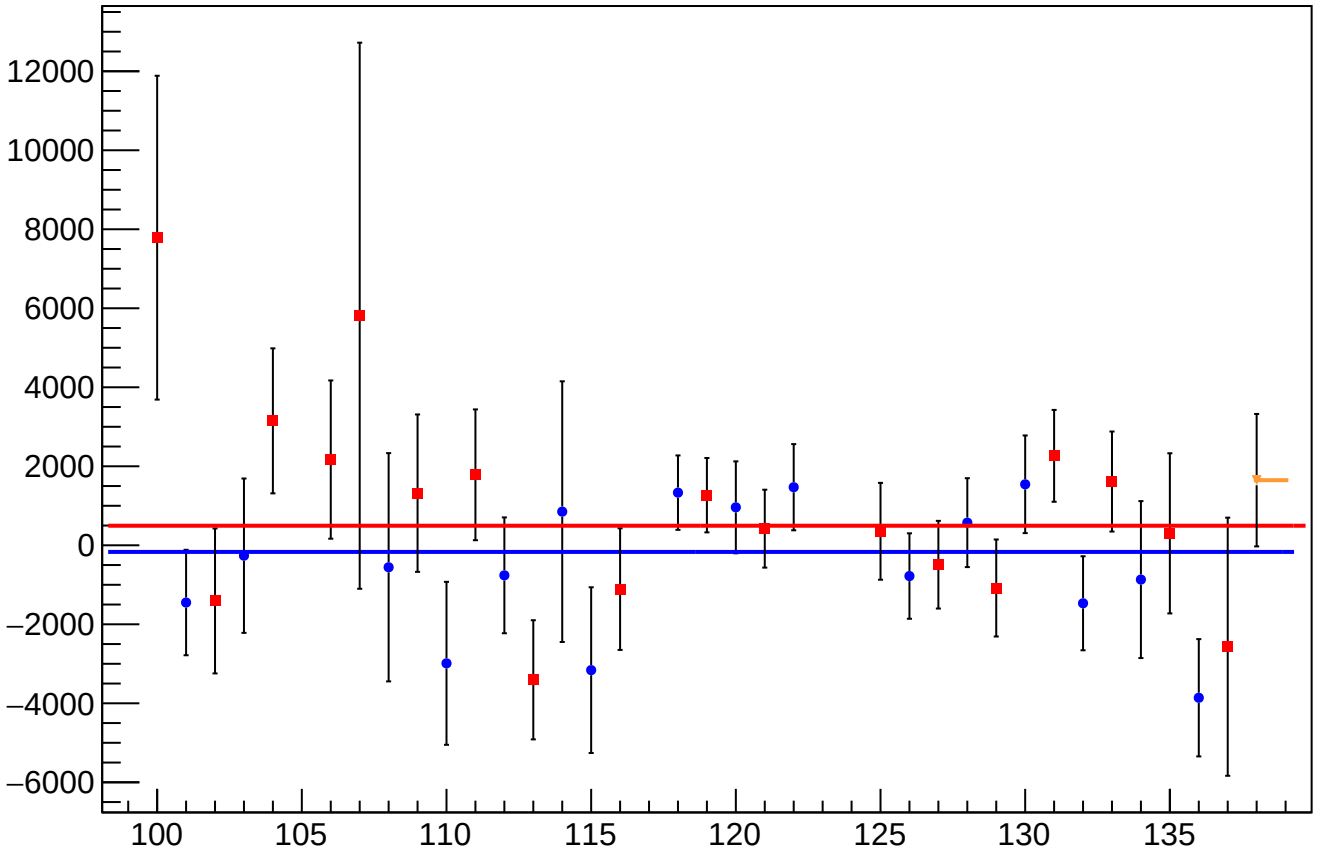
Left: 1104.953+/-0.884 χ^2/NDF: 0.0/0

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

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

Out: 1110.046+/-0.275 χ^2/NDF:7732.8/18

All: 1106.328+/-0.199 χ^2/NDF: 19467.2/34



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

Left Out: 1648.265+/-1676.306 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1648.265+/-1676.306 χ^2/NDF: 0.0/0

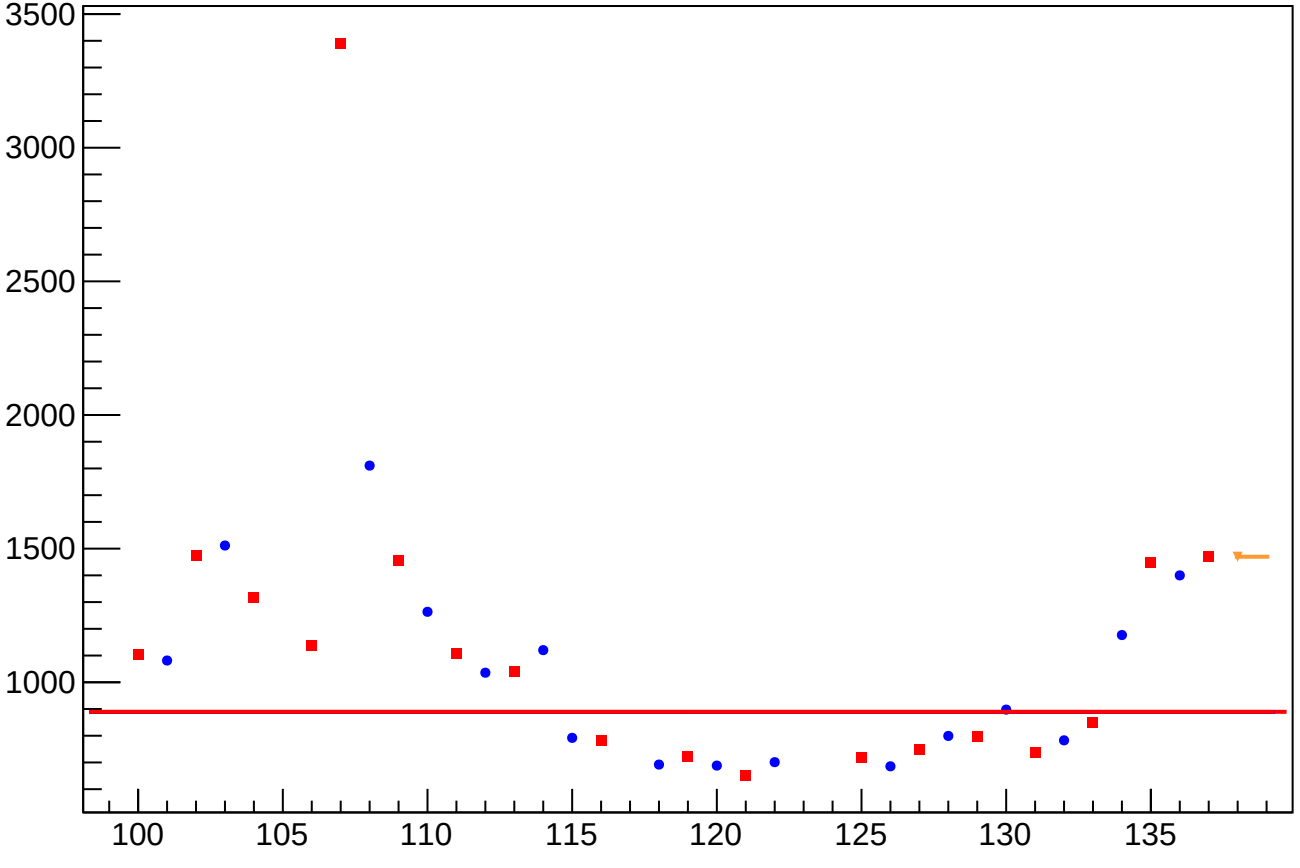
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

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

Out: 542.044+/-337.968 χ^2/NDF:23.7/18

All: 194.838+/-241.578 χ^2/NDF: 46.9/34

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1469.670+/-1.185 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

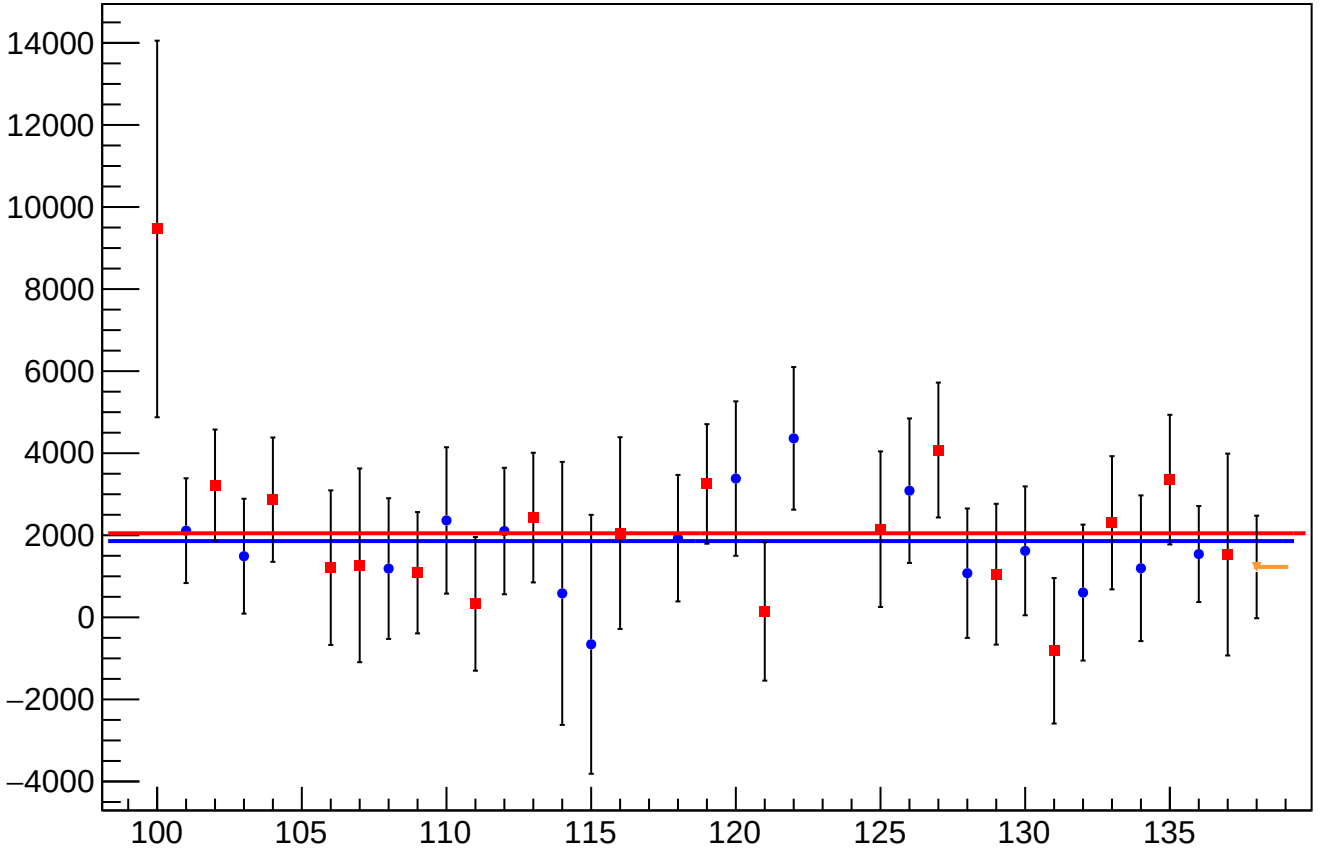
Left: 1469.670+/-1.185 χ^2/NDF: 0.0/0

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

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

Out: 913.062+/-0.239 χ^2/NDF:1575600.3/18

All: 901.273+/-0.171 χ^2/NDF: 2713342.8/34



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

Left Out: 1228.245+/-1249.770 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1228.245+/-1249.770 χ^2/NDF: 0.0/0

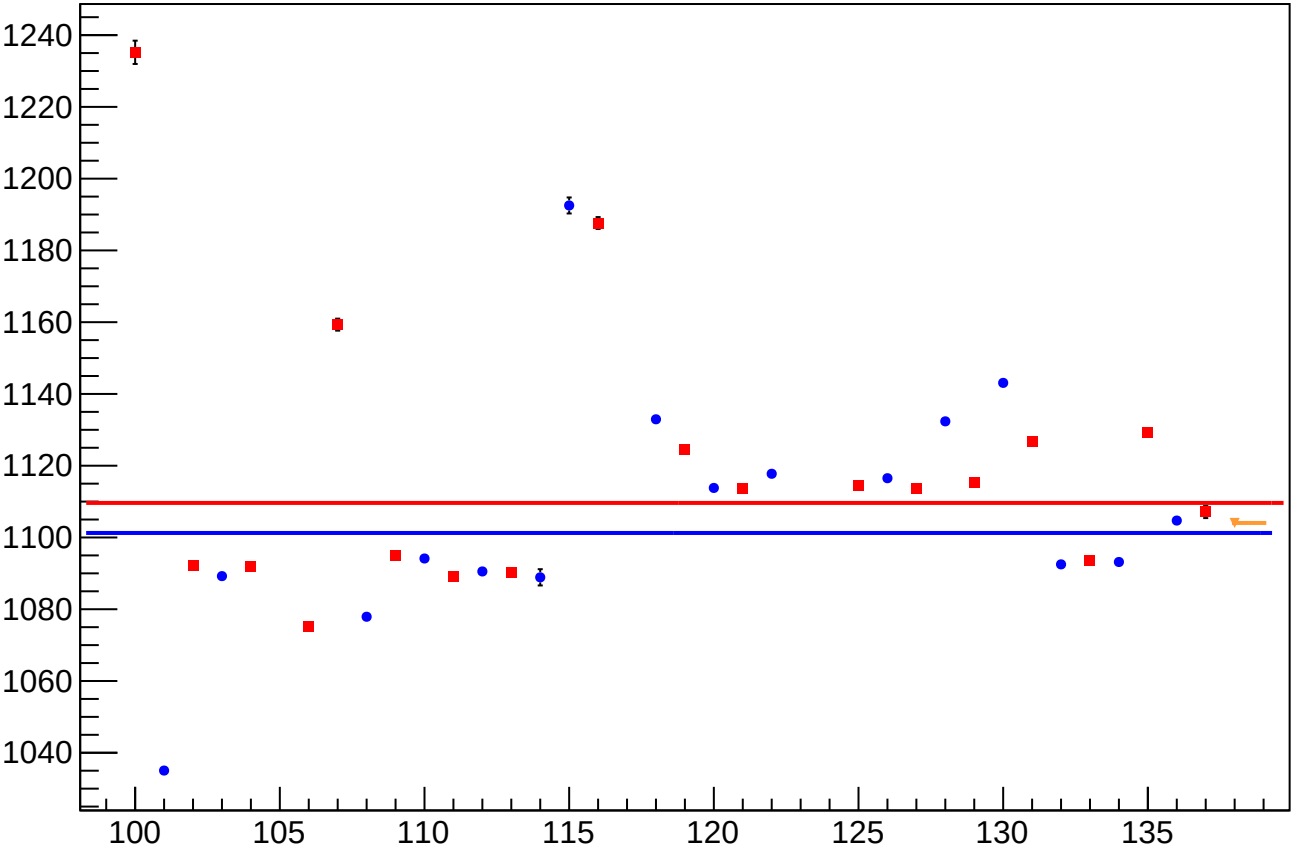
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1858.683+/-409.170 χ^2/NDF:5.4/15

Out: 1969.344+/-388.622 χ^2/NDF:13.1/18

All: 1916.862+/-281.782 χ^2/NDF: 18.6/34

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1104.049+/-0.884 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

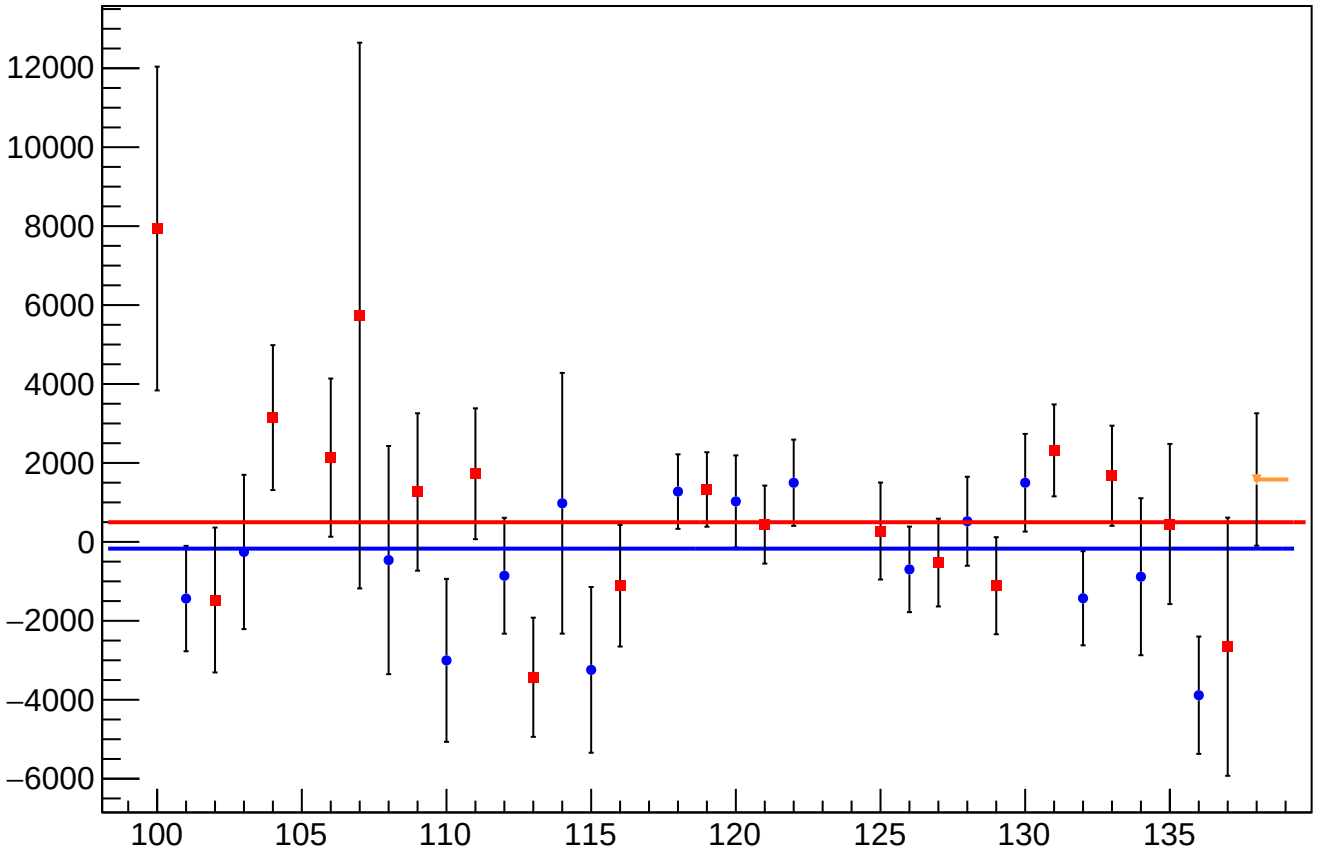
Left: 1104.049+/-0.884 χ^2/NDF: 0.0/0

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

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

Out: 1109.089+/-0.275 χ^2/NDF:7709.1/18

All: 1105.373+/-0.199 χ^2/NDF: 19402.8/34



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

Left Out: 1581.081+/-1677.169 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1581.081+/-1677.169 χ^2/NDF: 0.0/0

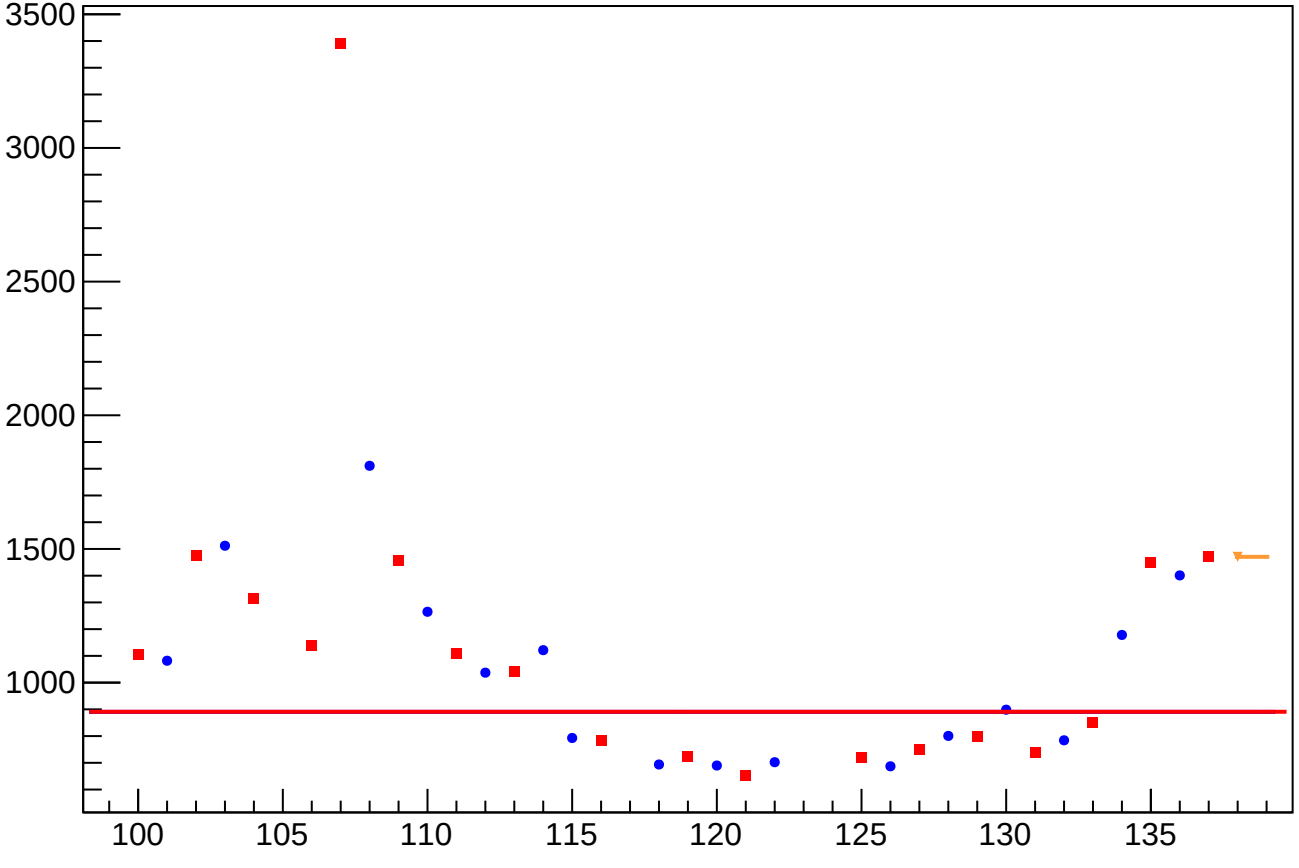
Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

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

Out: 542.066+/-338.456 χ^2/NDF:24.3/18

All: 193.406+/-241.941 χ^2/NDF: 47.4/34

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1470.466+/-1.186 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1470.466+/-1.186 χ^2/NDF: 0.0/0

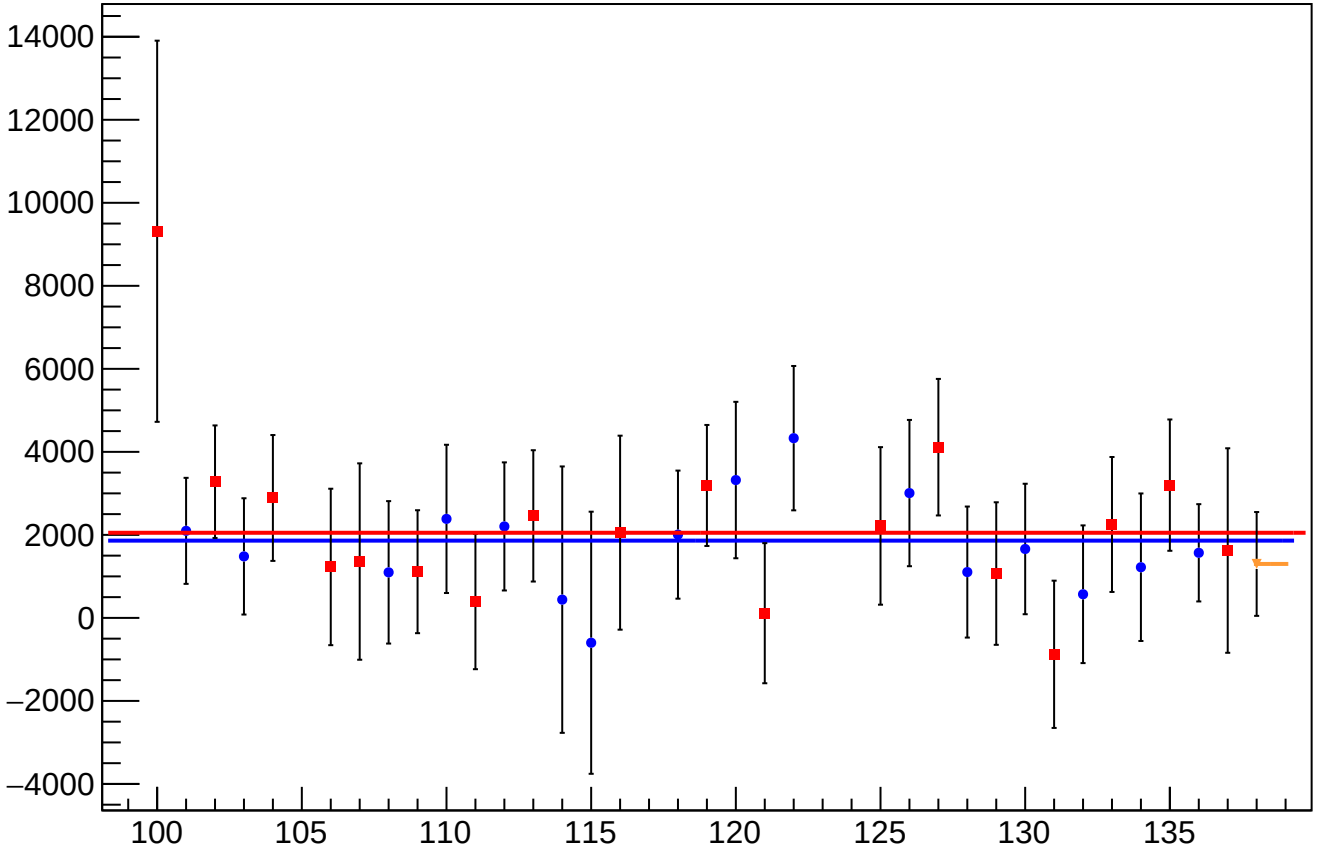
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

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

Out: 914.539+/-0.239 χ^2/NDF:1570873.7/18

All: 902.781+/-0.171 χ^2/NDF: 2704549.0/34

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1299.810+/-1250.792 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1299.810+/-1250.792 χ^2/NDF: 0.0/0

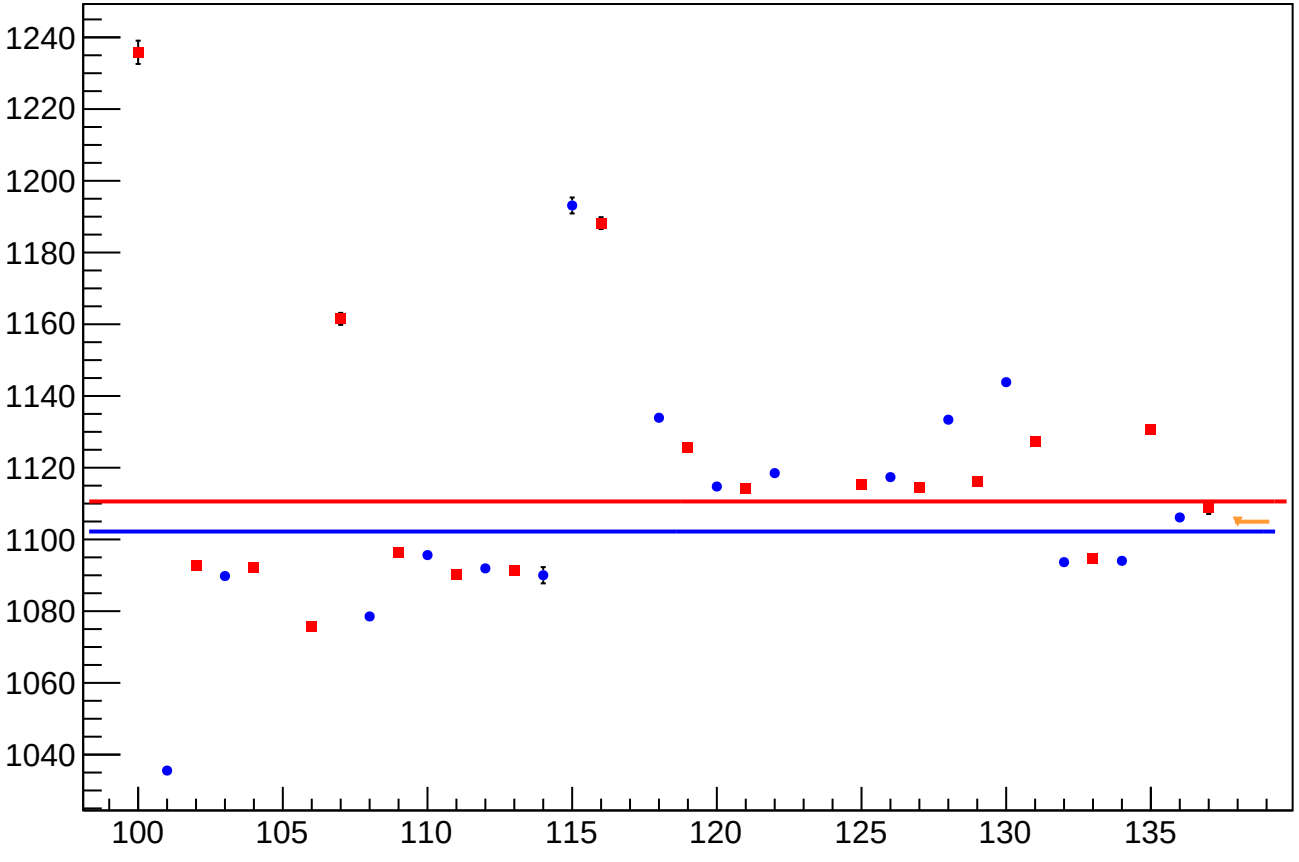
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1861.525+/-409.524 χ^2/NDF:5.3/15

Out: 1978.215+/-388.958 χ^2/NDF:12.9/18

All: 1922.874+/-282.025 χ^2/NDF: 18.2/34

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1104.953+/-0.884 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

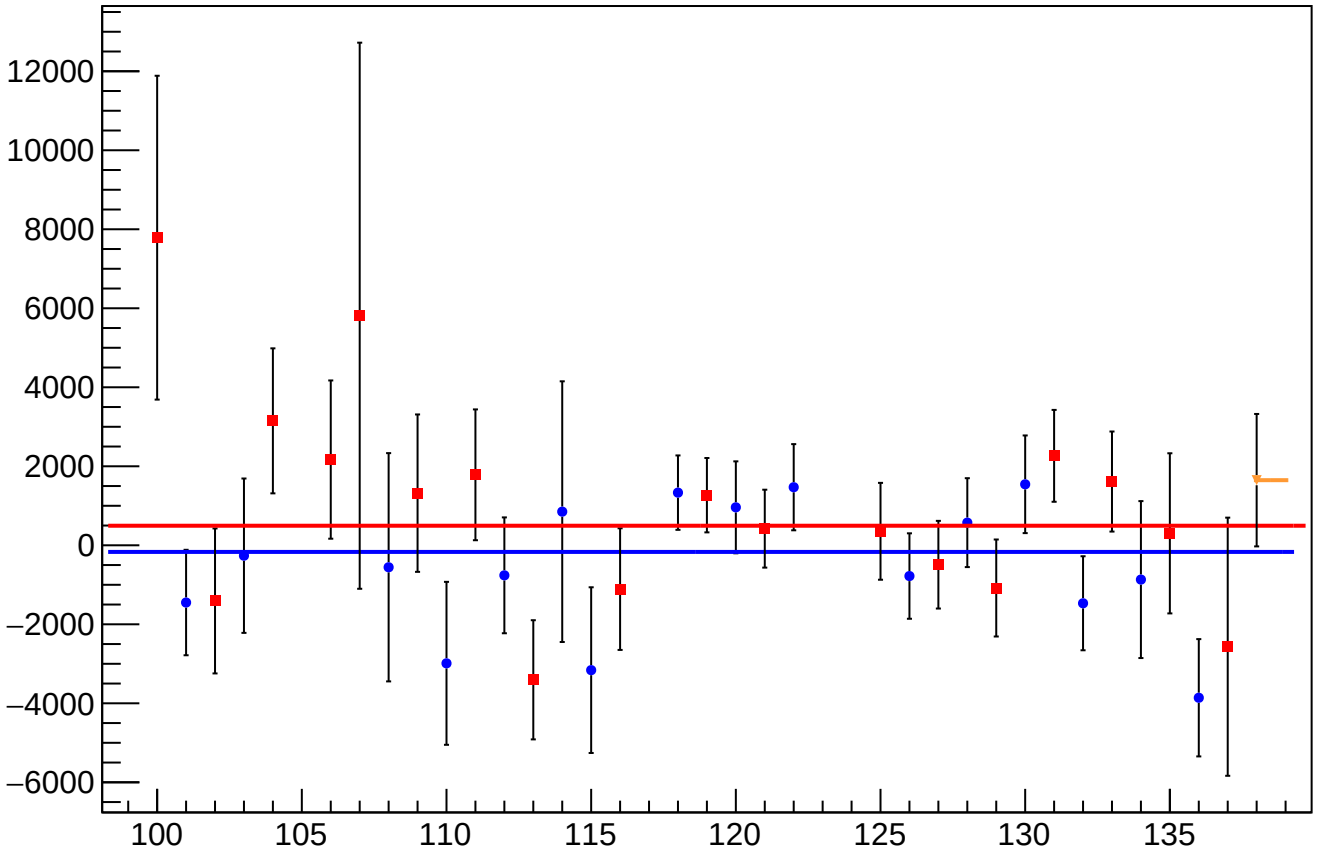
Left: 1104.953+/-0.884 χ^2/NDF: 0.0/0

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

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

Out: 1110.046+/-0.275 χ^2/NDF:7732.8/18

All: 1106.328+/-0.199 χ^2/NDF: 19467.2/34



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

Left Out: 1648.265+/-1676.306 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

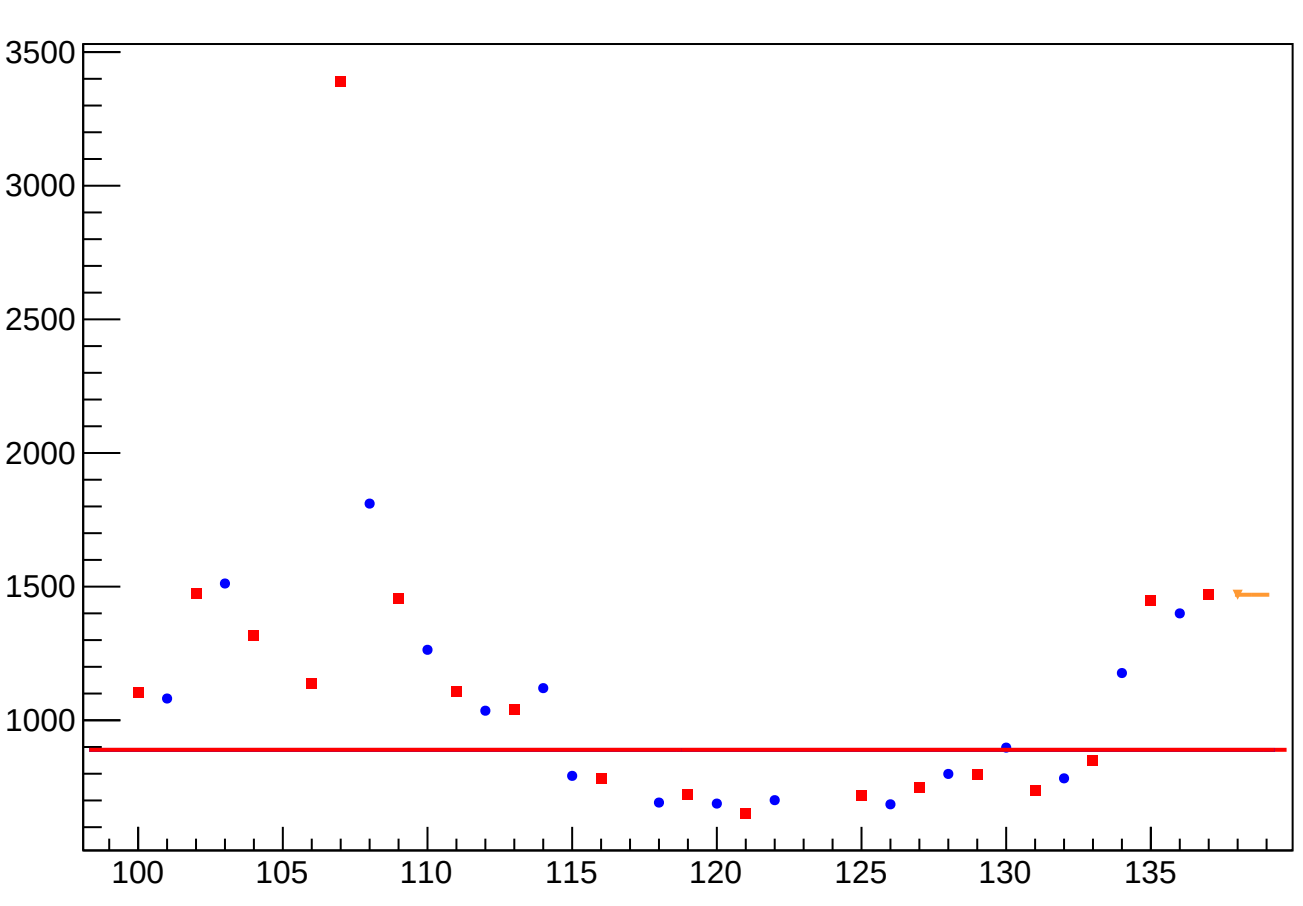
Left: 1648.265+/-1676.306 χ^2/NDF: 0.0/0

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

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

Out: 542.044+/-337.968 χ^2/NDF:23.7/18

All: 194.838+/-241.578 χ^2/NDF: 46.9/34



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

Left Out: 1469.670+/-1.185 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

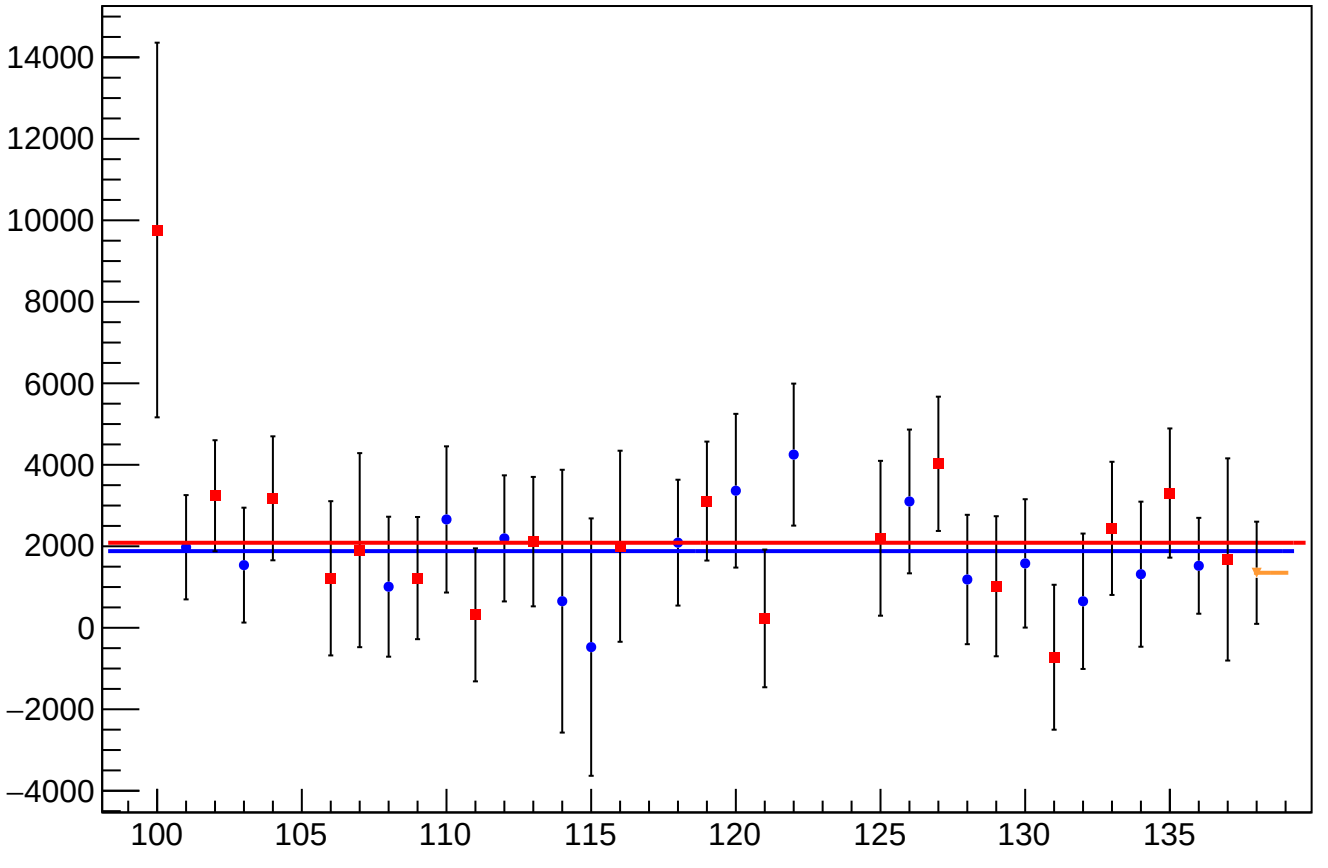
Left: 1469.670+/-1.185 χ^2/NDF: 0.0/0

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

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

Out: 913.062+/-0.239 χ^2/NDF:1575600.3/18

All: 901.273+/-0.171 χ^2/NDF: 2713342.8/34



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

Left Out: 1350.233+/-1253.811 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1350.233+/-1253.811 χ^2/NDF: 0.0/0

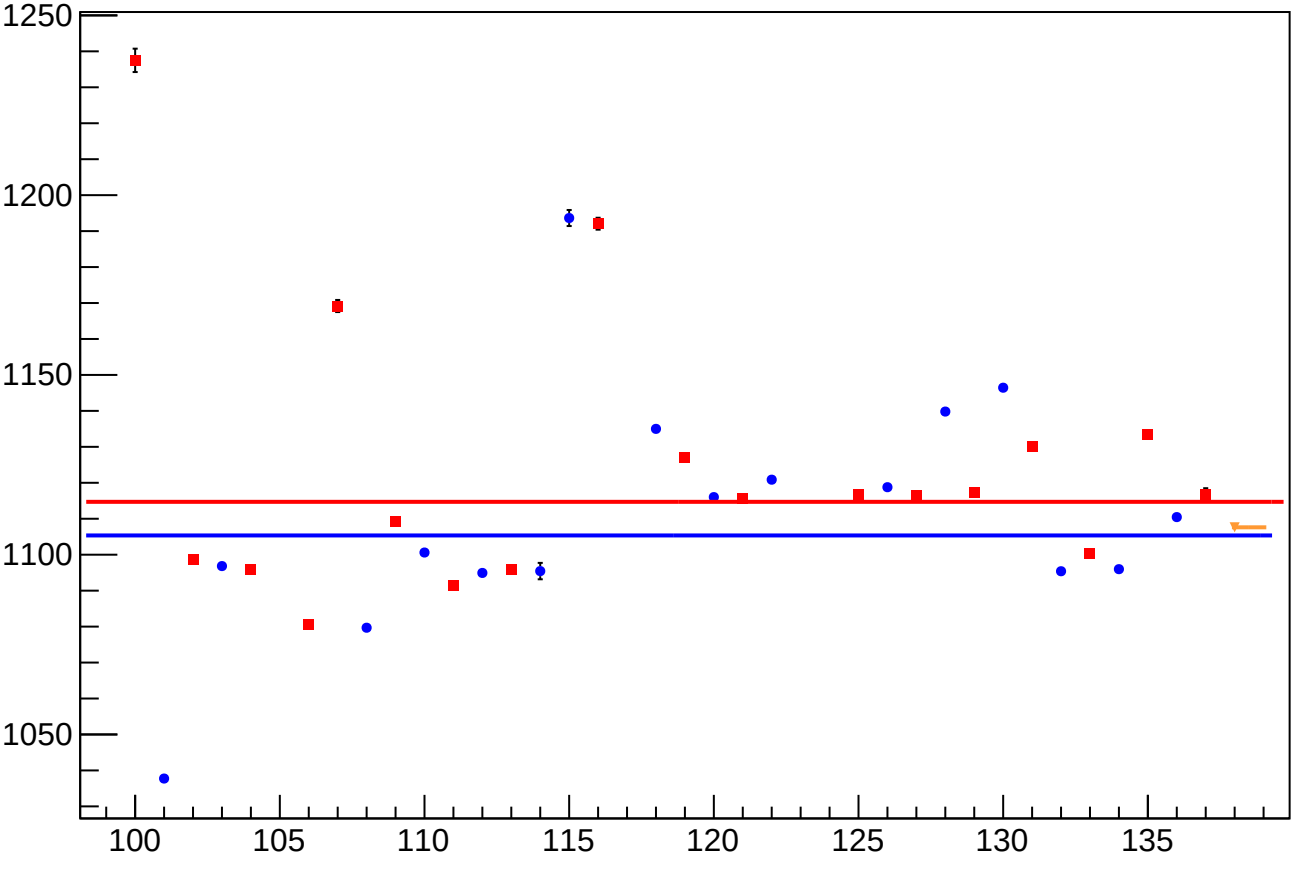
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1881.524+/-410.700 χ^2/NDF:5.2/15

Out: 2015.478+/-390.368 χ^2/NDF:12.7/18

All: 1951.899+/-282.947 χ^2/NDF: 17.9/34

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1107.616+/-0.887 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

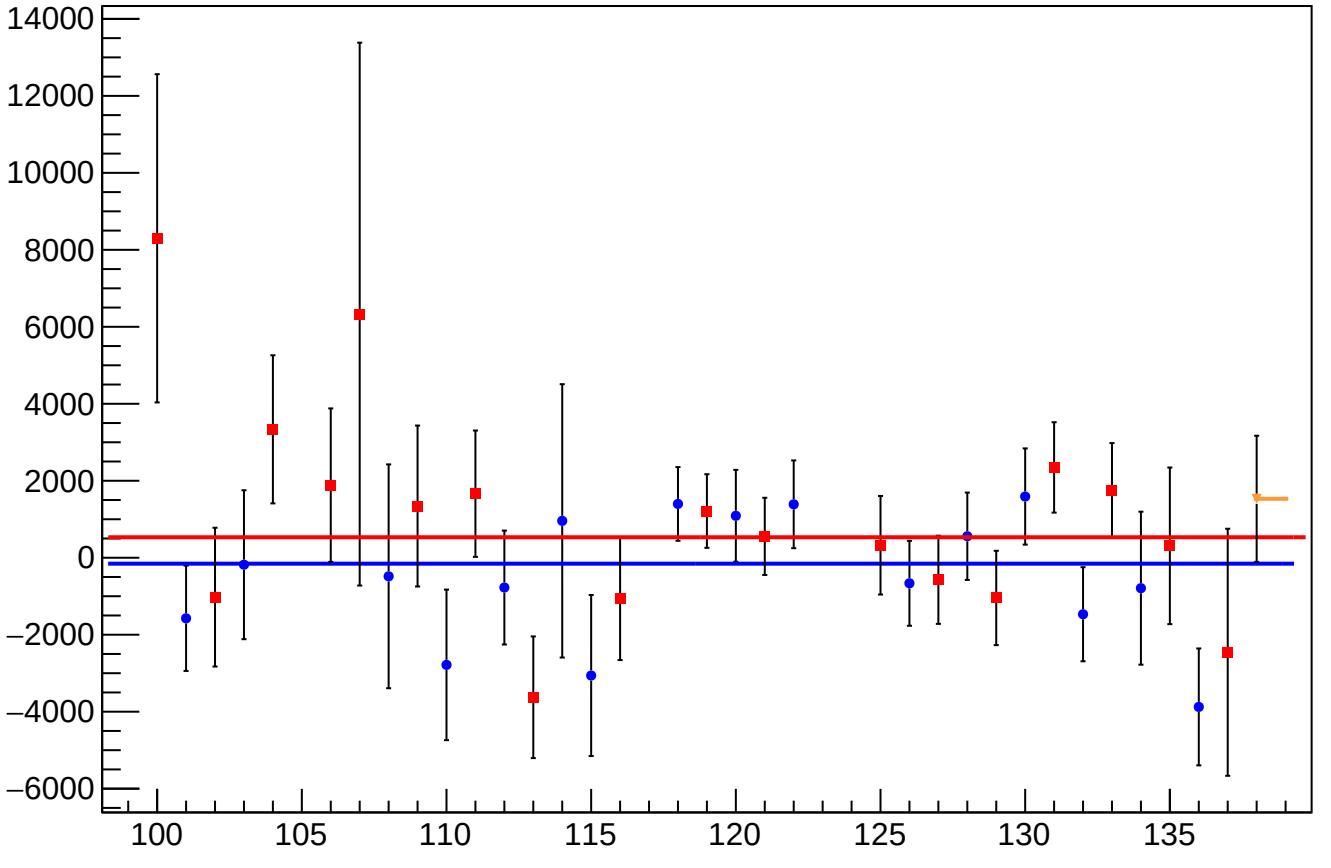
Left: 1107.616+/-0.887 χ^2/NDF: 0.0/0

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

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

Out: 1114.018+/-0.276 χ^2/NDF:7388.0/18

All: 1109.906+/-0.200 χ^2/NDF: 19186.4/34



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

Left Out: 1531.290+/-1638.928 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1531.290+/-1638.928 χ^2/NDF: 0.0/0

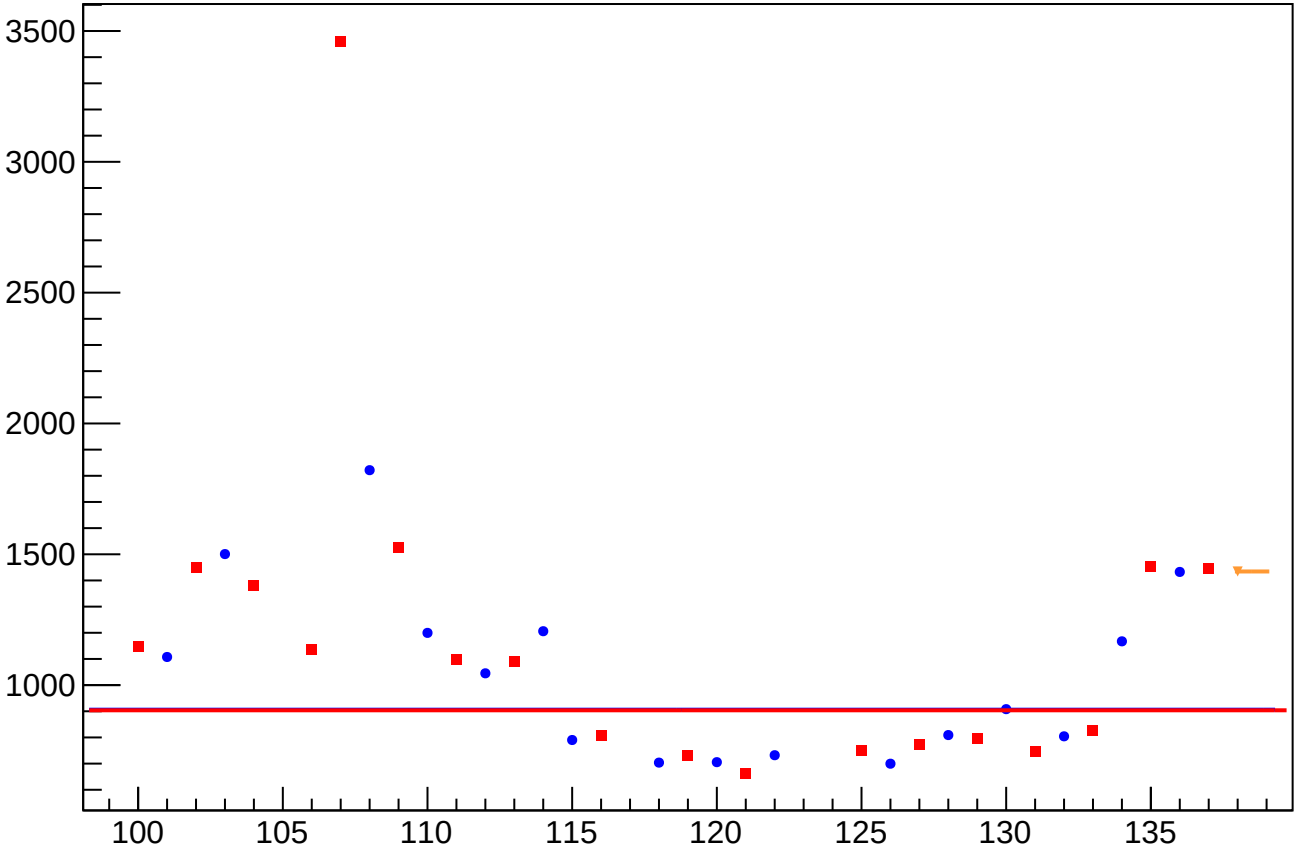
Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

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

Out: 575.831+/-342.663 χ^2/NDF:23.6/18

All: 220.016+/-245.302 χ^2/NDF: 46.3/34

asym_usl_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1434.329+/-1.159 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

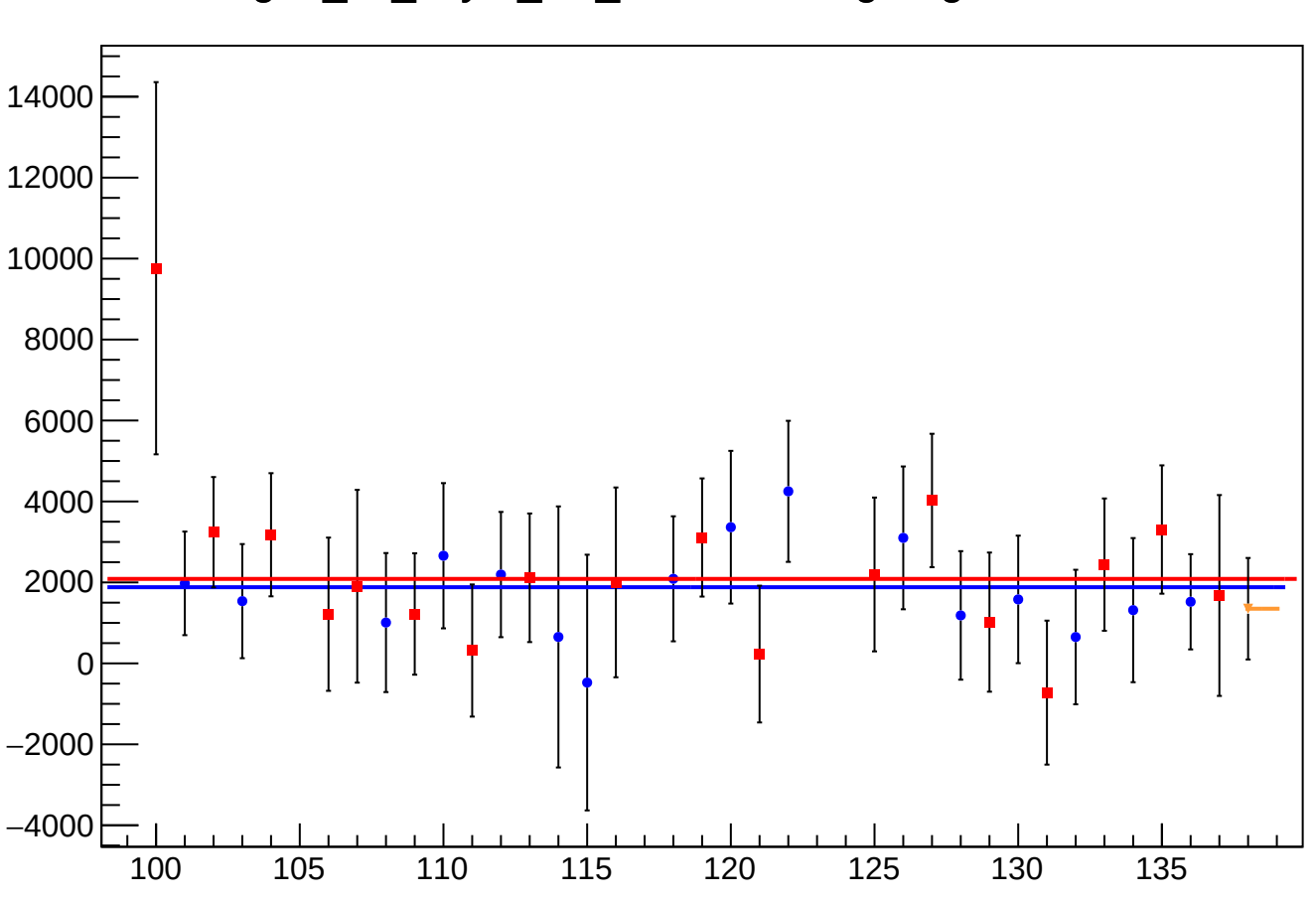
Left: 1434.329+/-1.159 χ^2/NDF: 0.0/0

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

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

Out: 926.946+/-0.242 χ^2/NDF:1540426.0/18

All: 916.752+/-0.173 χ^2/NDF: 2623492.2/34



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

Left Out: 1350.239+/-1253.811 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

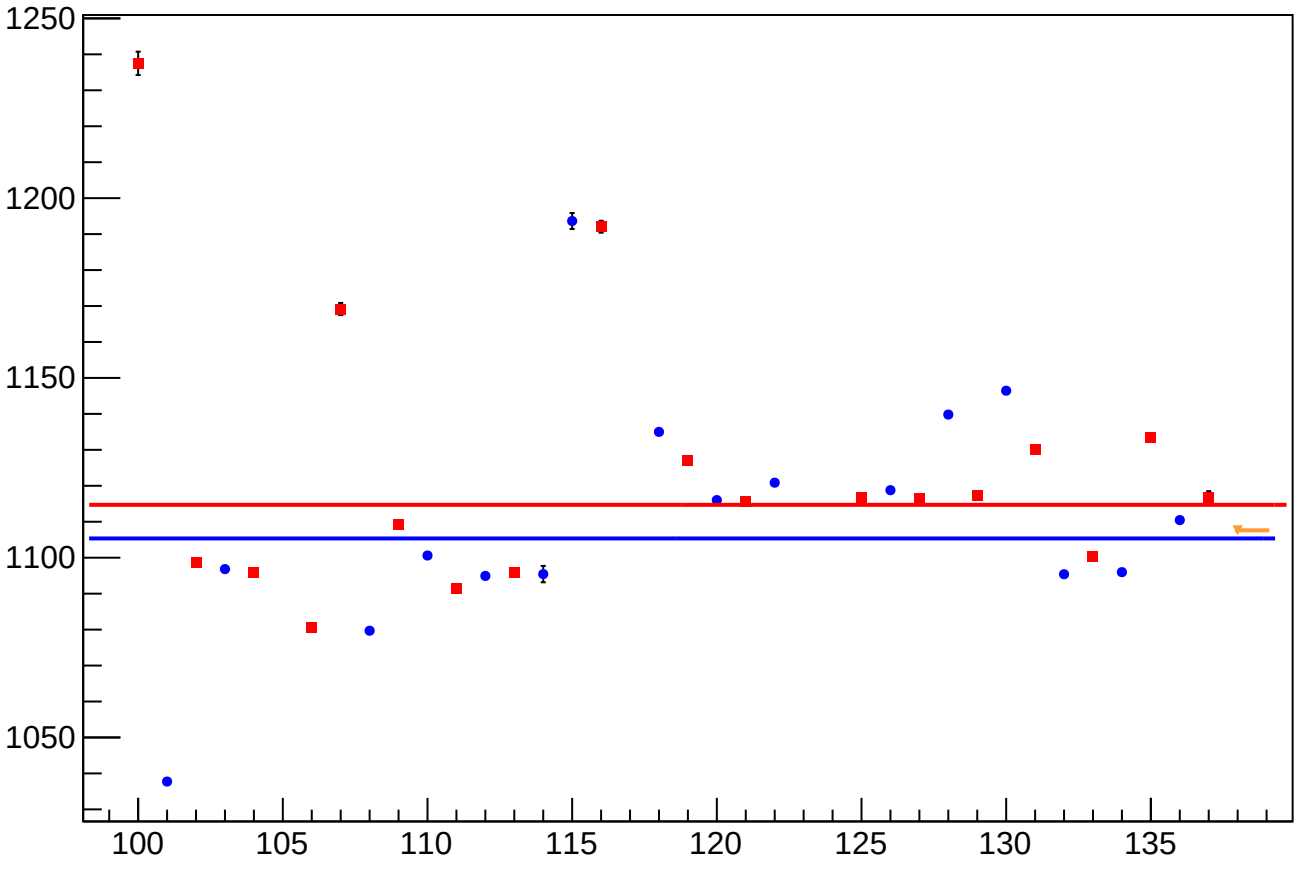
Left: 1350.239+/-1253.811 χ^2/NDF: 0.0/0

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

In: 1881.523+/-410.700 χ^2/NDF:5.2/15

Out: 2015.476+/-390.368 χ^2/NDF:12.7/18

All: 1951.898+/-282.947 χ^2/NDF: 17.9/34



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

Left Out: 1107.616+/-0.887 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

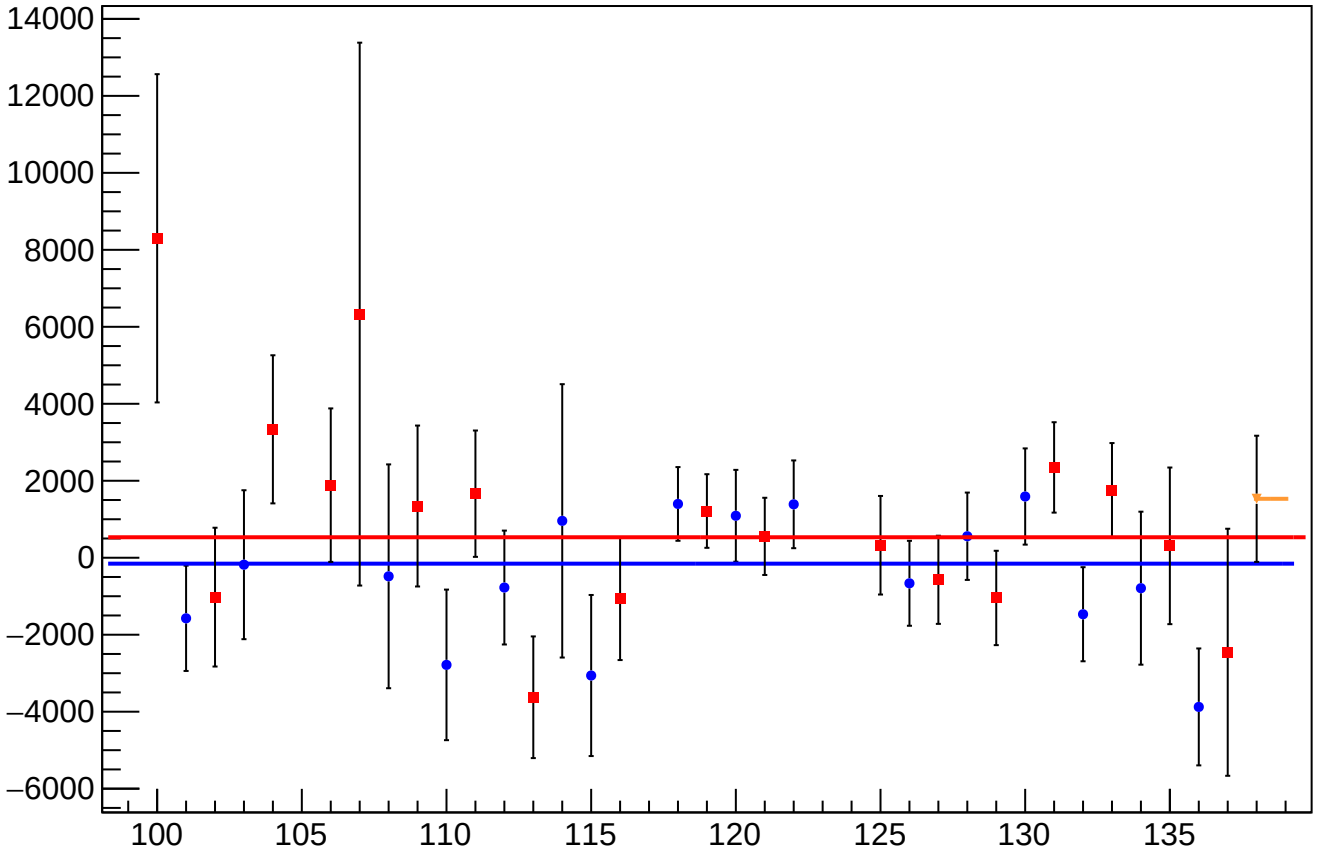
Left: 1107.616+/-0.887 χ^2/NDF: 0.0/0

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

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

Out: 1114.018+/-0.276 χ^2/NDF:7388.0/18

All: 1109.906+/-0.200 χ^2/NDF: 19186.3/34



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

Left Out: 1531.295+/-1638.931 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

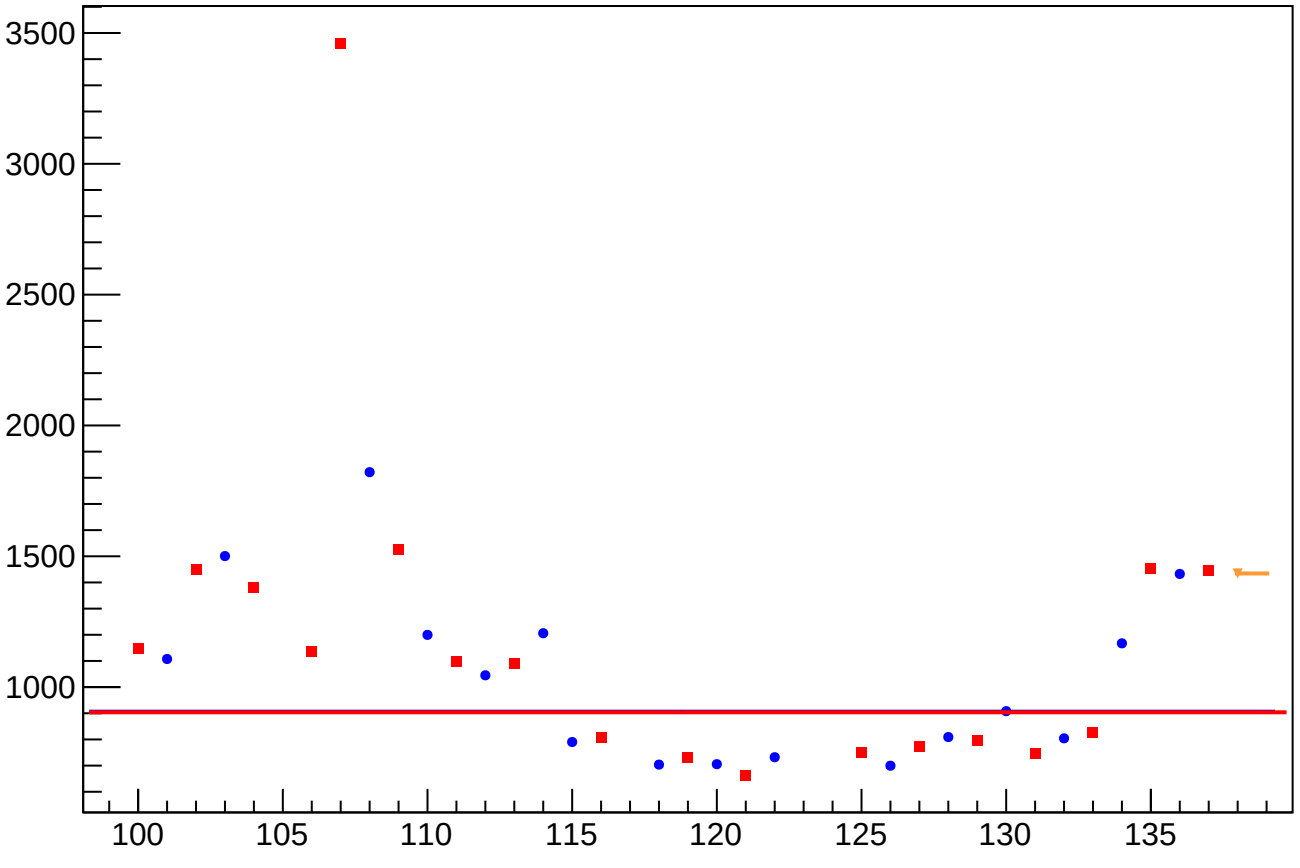
Left: 1531.295+/-1638.931 χ^2/NDF: 0.0/0

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

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

Out: 575.830+/-342.662 χ^2/NDF:23.6/18

All: 220.017+/-245.301 χ^2/NDF: 46.3/34



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

Left Out: 1434.331+/-1.159 χ^2/NDF:0.0/0

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

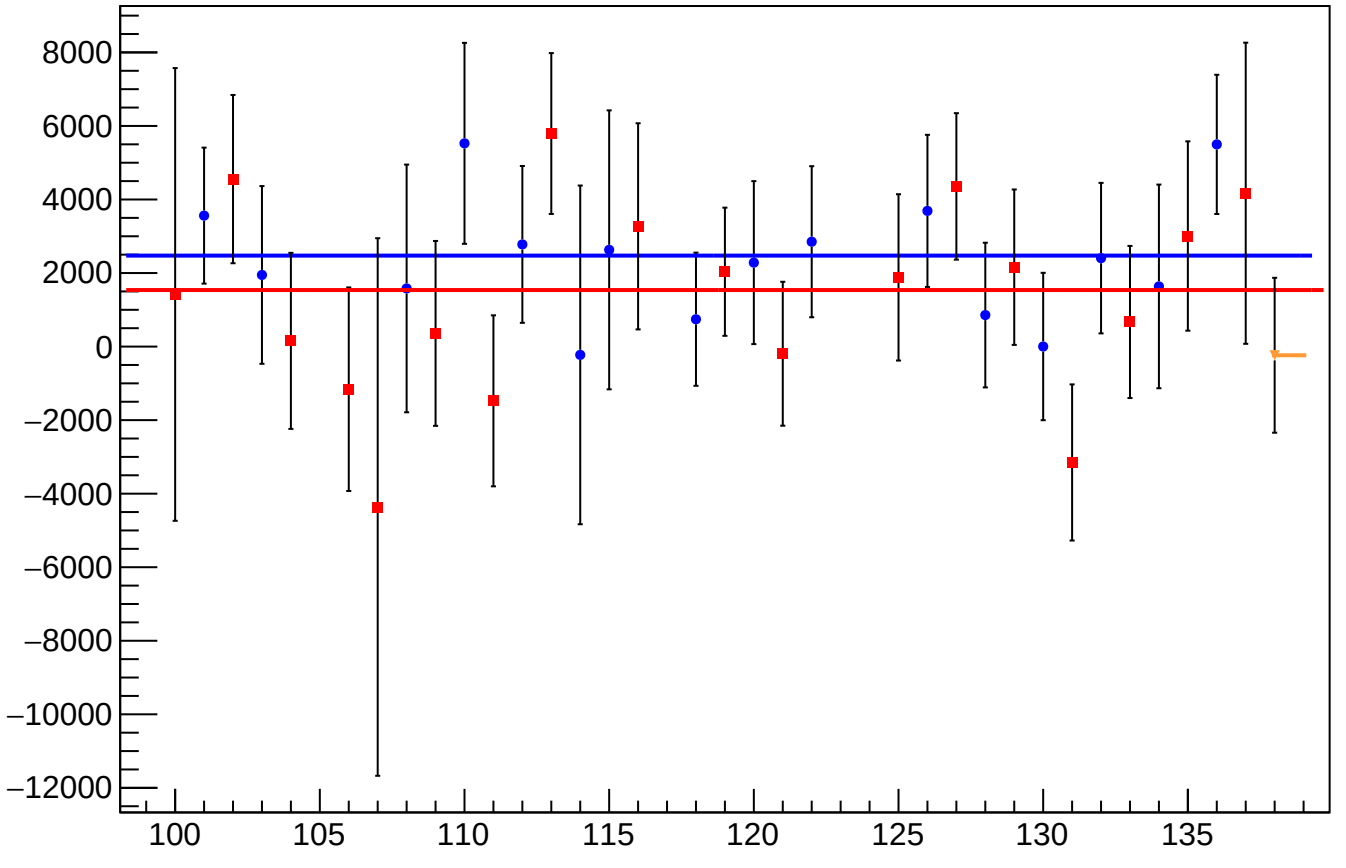
Left: 1434.331+/-1.159 χ^2/NDF: 0.0/0

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

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

Out: 926.944+/-0.242 χ^2/NDF:1540432.1/18

All: 916.750+/-0.173 χ^2/NDF: 2623503.2/34



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

Left Out: -235.914+/-2106.259 χ^2/NDF:0.0/0

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -235.914+/-2106.259 χ^2/NDF: 0.0/0

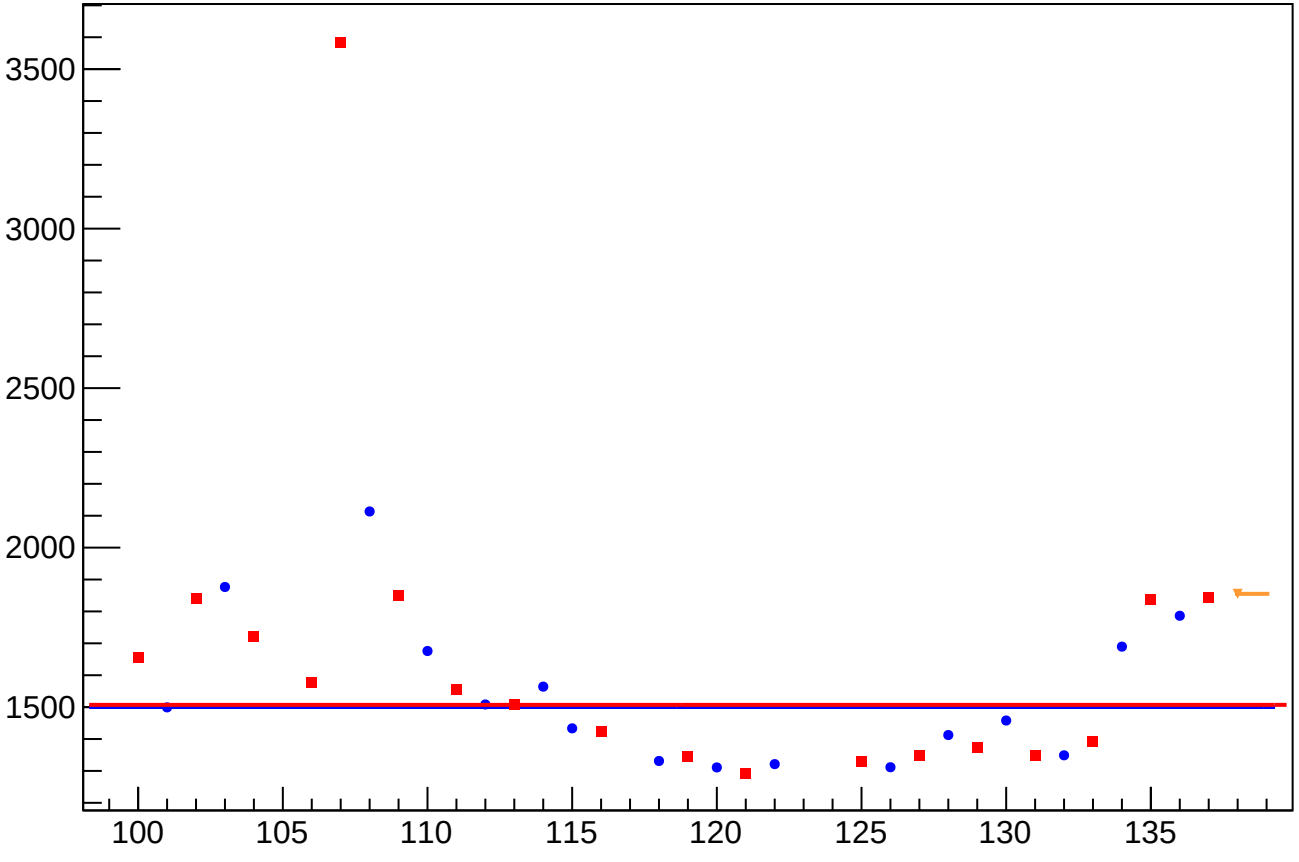
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 2474.066+/-562.796 χ^2/NDF:8.2/15

Out: 1418.963+/-544.406 χ^2/NDF:19.2/18

All: 1928.995+/-391.293 χ^2/NDF: 29.2/34

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1855.118+/-1.489 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

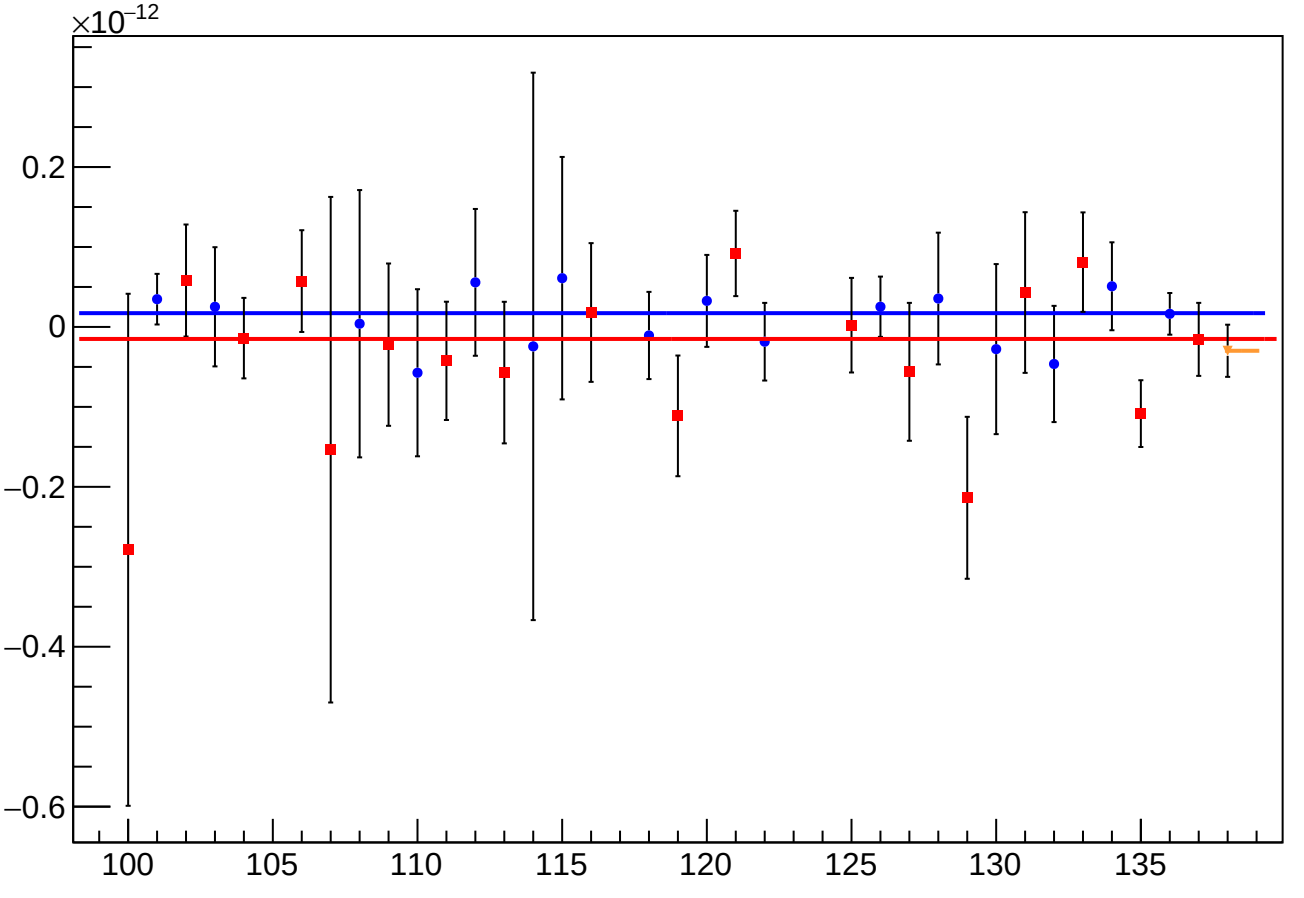
Left: 1855.118+/-1.489 χ^2/NDF: 0.0/0

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

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

Out: 1530.348+/-0.385 χ^2/NDF:452182.8/18

All: 1515.860+/-0.277 χ^2/NDF: 713905.7/34



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

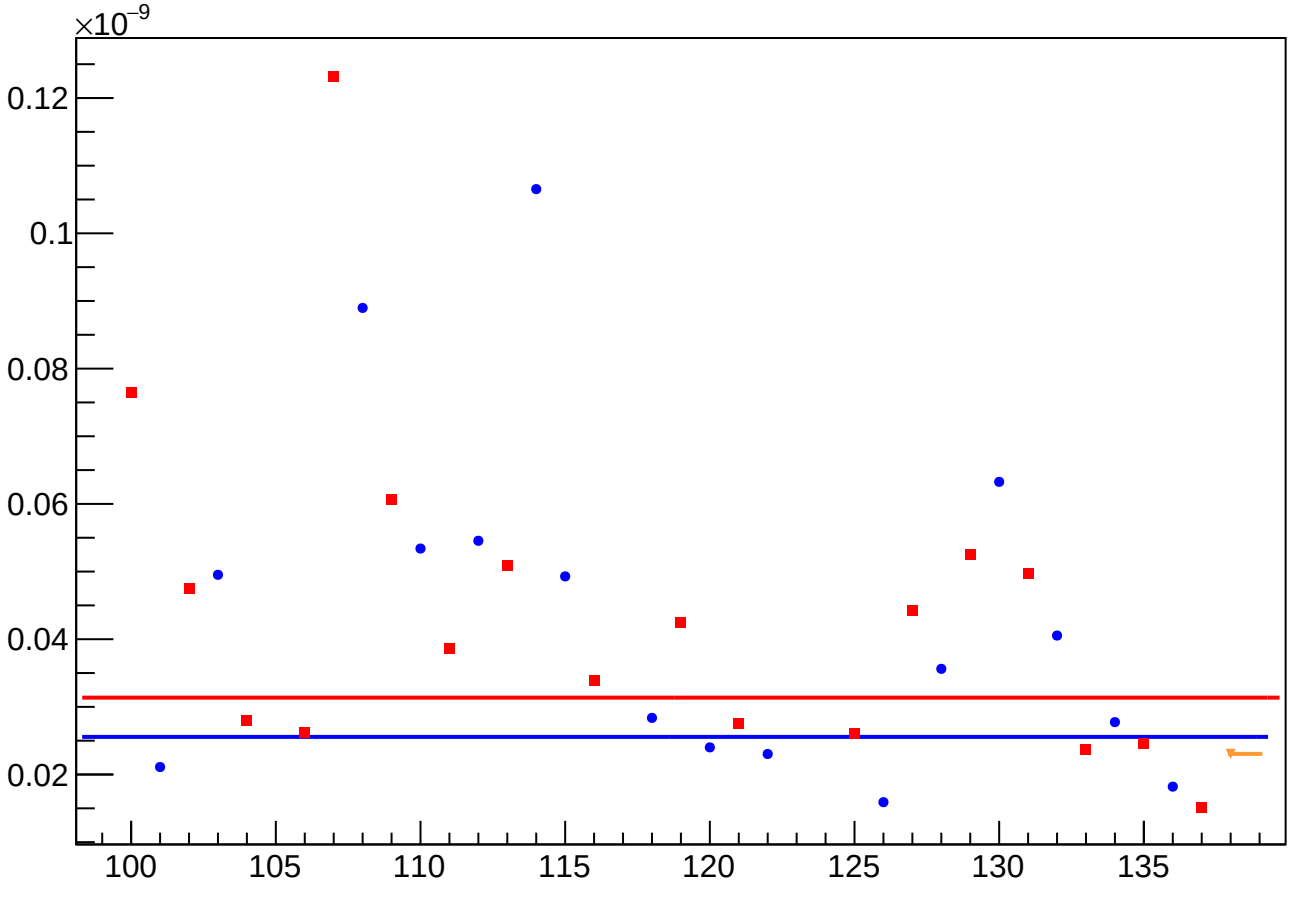
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:3.4/15

Out: -0.000+/-0.000 χ^2/NDF:21.5/18

All: 0.000+/-0.000 χ^2/NDF: 28.0/34



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

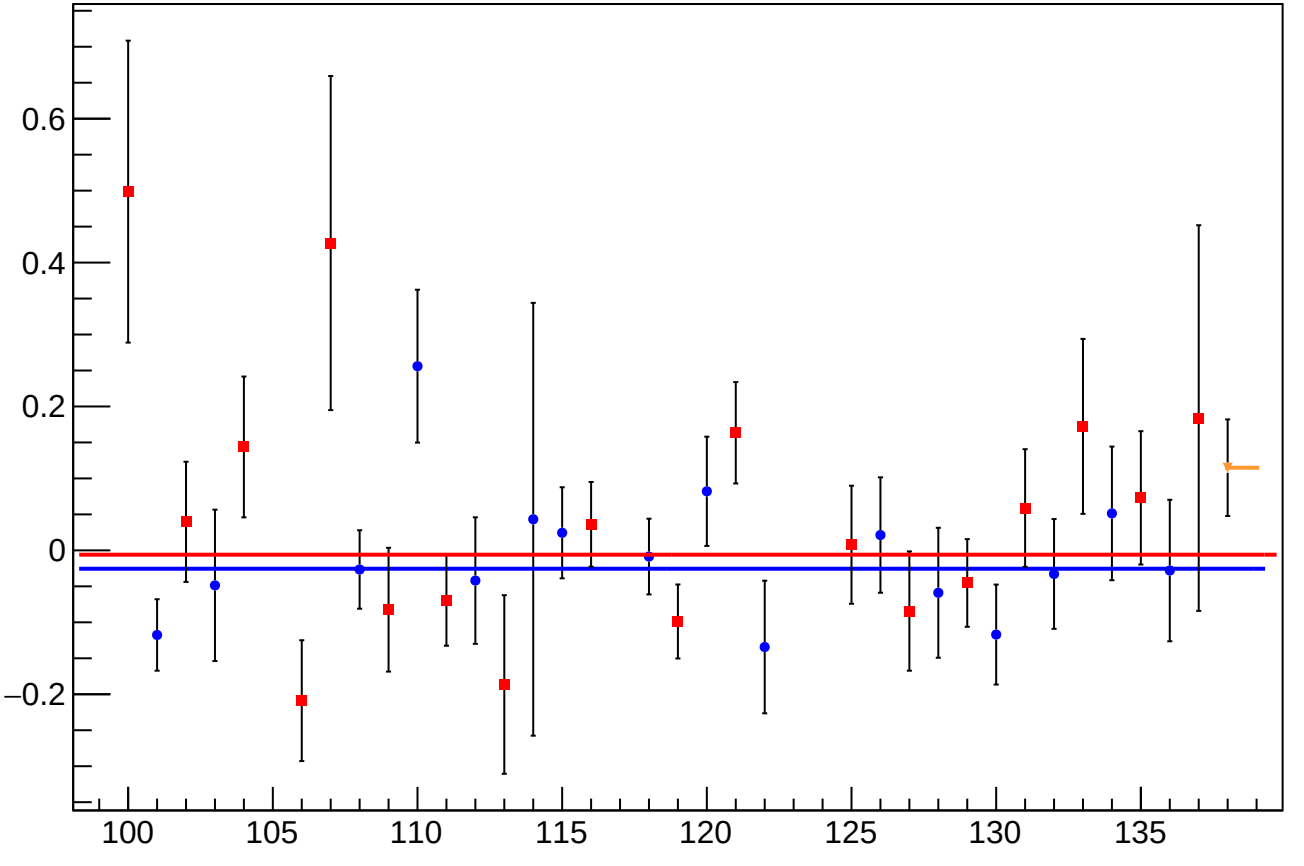
Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

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

Out: 0.000+/-0.000 χ^2/NDF:1332530.2/18

All: 0.000+/-0.000 χ^2/NDF: 3129378.1/34

asym_usl_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.115+/-0.067 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

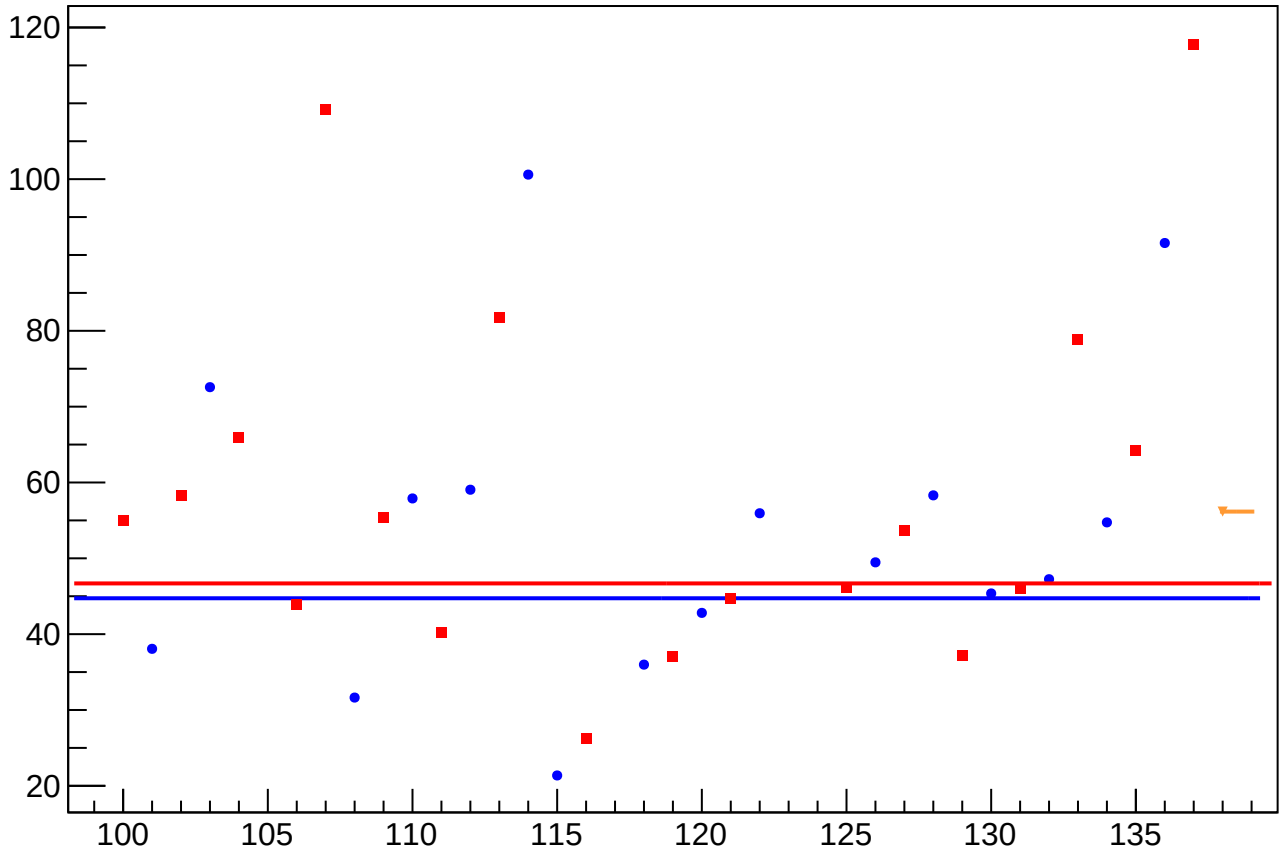
Left: 0.115+/-0.067 χ^2/NDF: 0.0/0

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.026+/-0.019 χ^2/NDF:17.6/15

Out: 0.003+/-0.019 χ^2/NDF:39.5/18

All: -0.011+/-0.013 χ^2/NDF: 58.4/34



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 56.163+/-0.047 χ^2/NDF:0.0/0

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

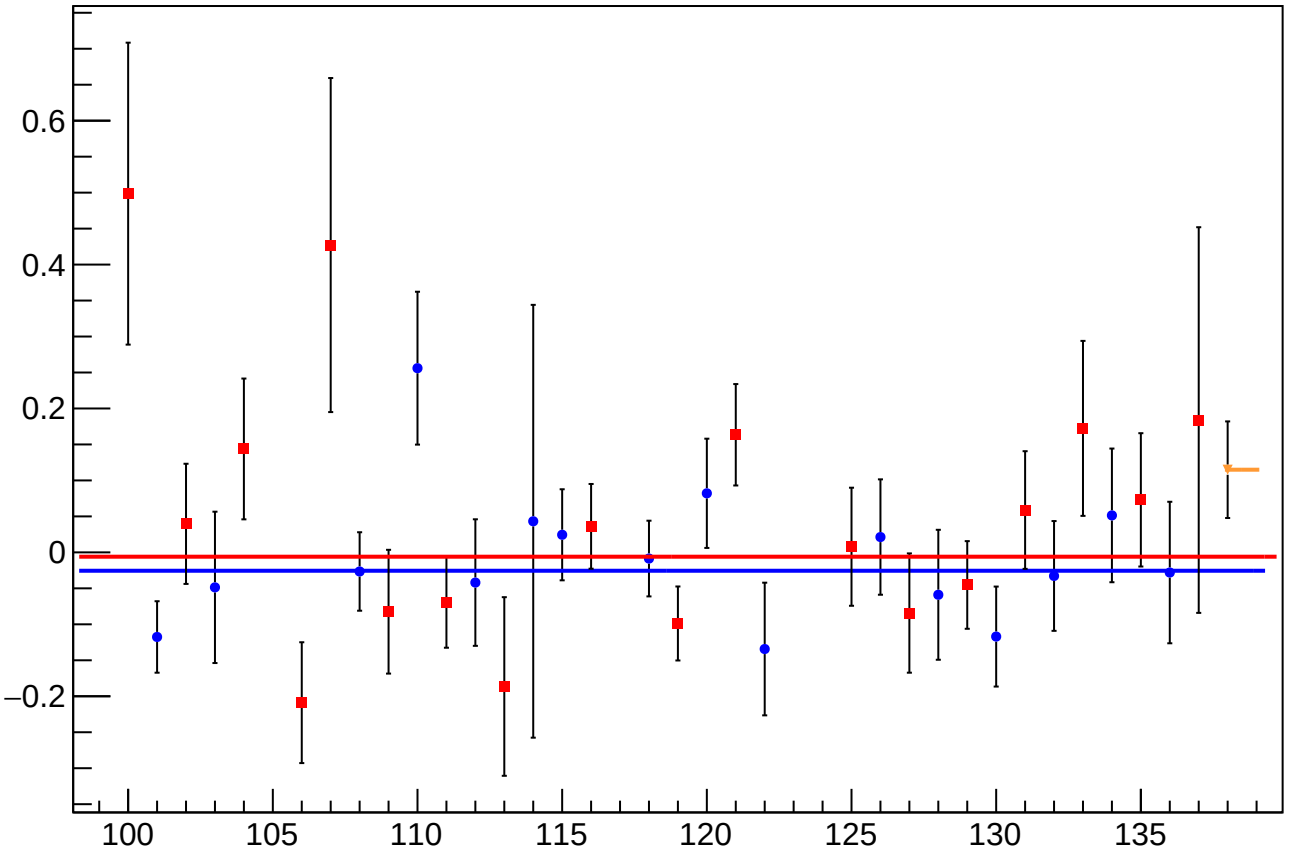
Left: 56.163+/-0.047 χ^2/NDF: 0.0/0

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.733+/-0.013 χ^2/NDF:1334541.9/15

Out: 47.420+/-0.013 χ^2/NDF:1232208.0/18

All: 46.086+/-0.009 χ^2/NDF: 2587396.7/34



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

Left Out: 0.115+/-0.067 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

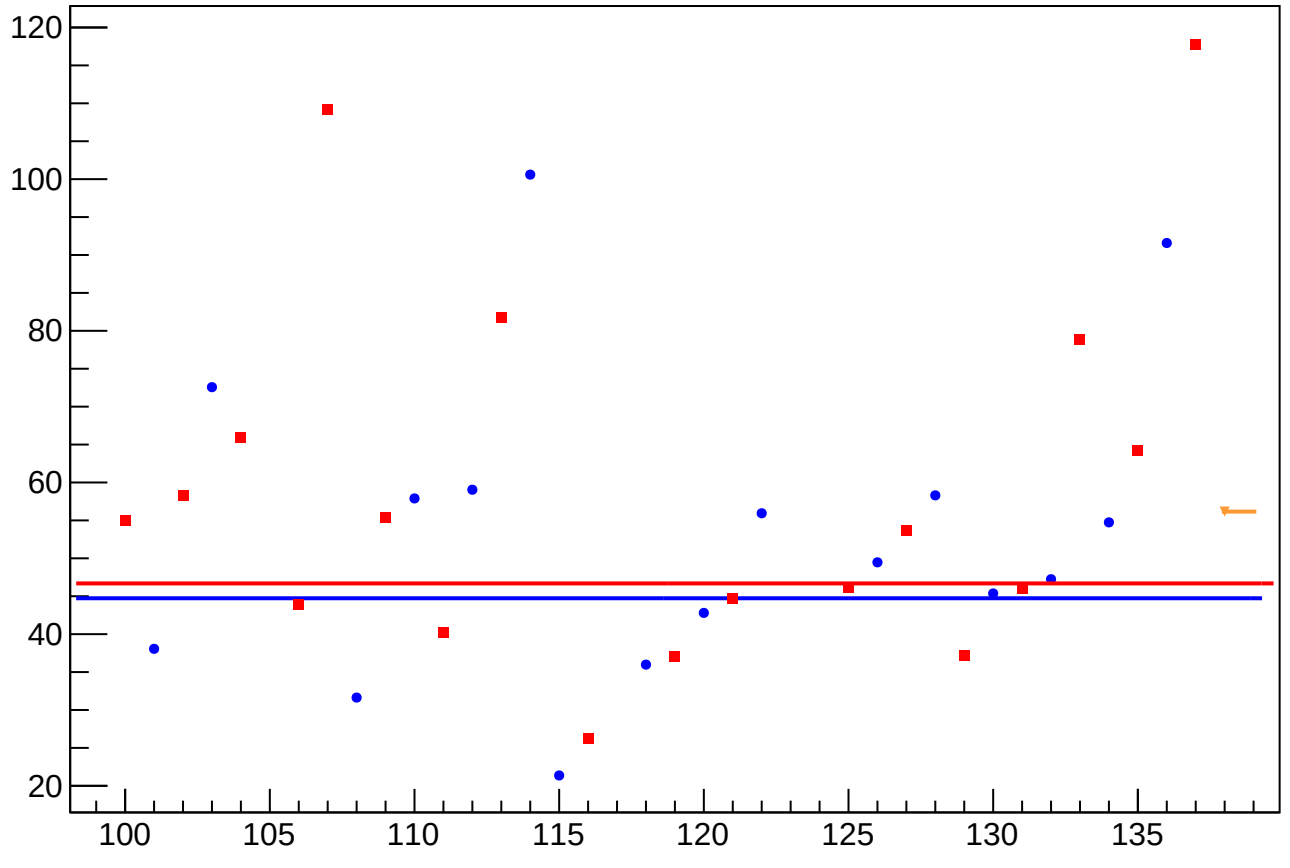
Left: 0.115+/-0.067 χ^2/NDF: 0.0/0

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.026+/-0.019 χ^2/NDF:17.6/15

Out: 0.003+/-0.019 χ^2/NDF:39.5/18

All: -0.011+/-0.013 χ^2/NDF: 58.4/34



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 56.163+/-0.047 χ^2/NDF:0.0/0

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

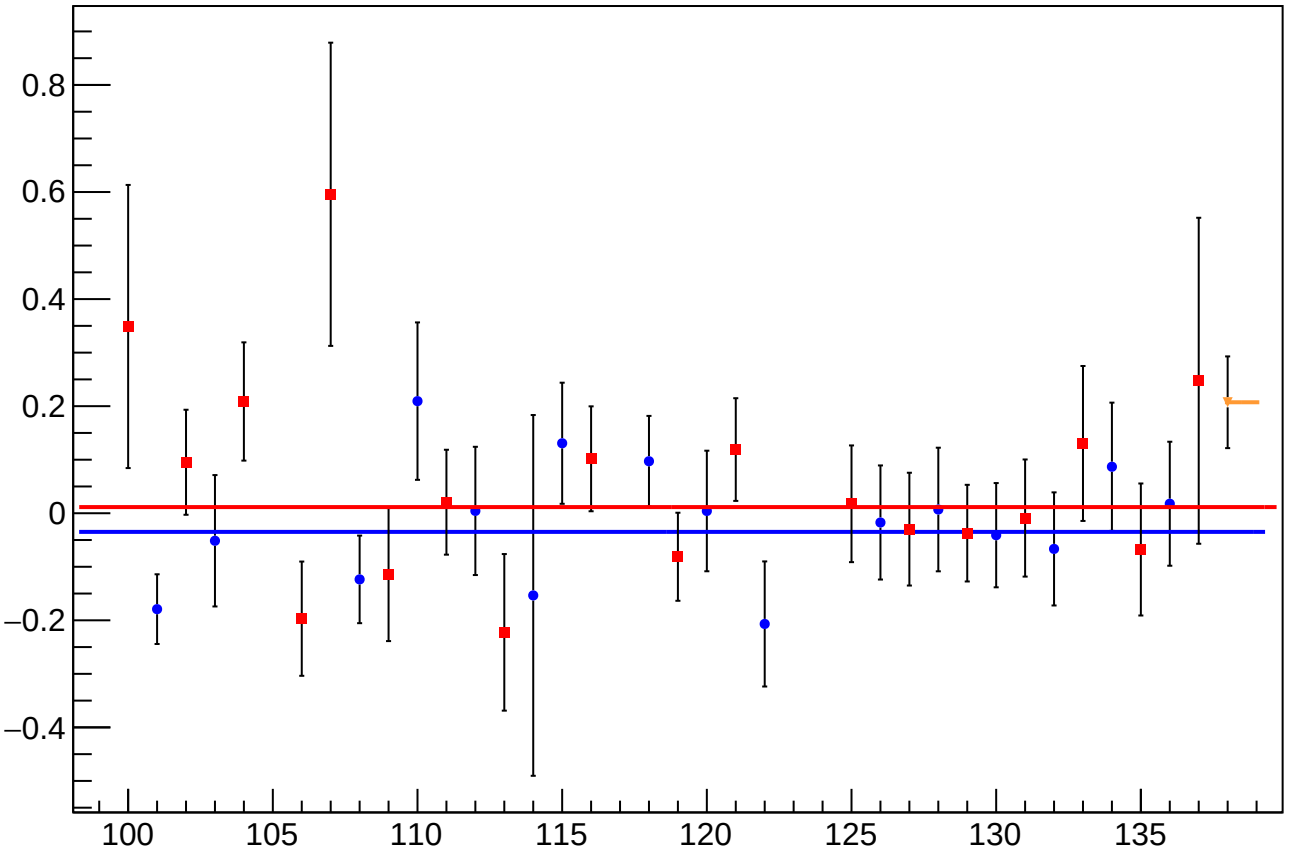
Left: 56.163+/-0.047 χ^2/NDF: 0.0/0

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.733+/-0.013 χ^2/NDF:1334541.9/15

Out: 47.420+/-0.013 χ^2/NDF:1232208.0/18

All: 46.086+/-0.009 χ^2/NDF: 2587396.7/34



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: 0.207+/-0.086 χ^2/NDF:0.0/0

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

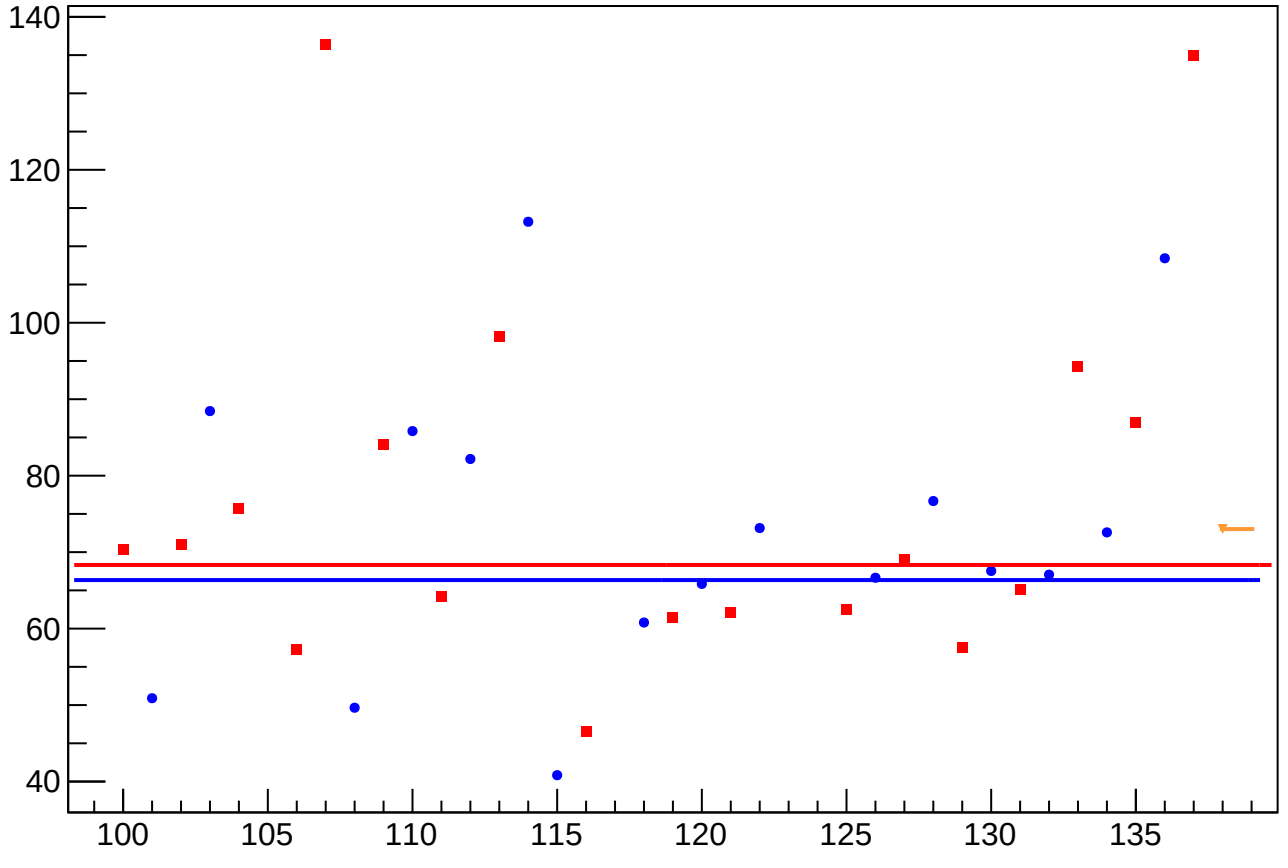
Left: 0.207+/-0.086 χ^2/NDF: 0.0/0

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.035+/-0.026 χ^2/NDF:17.4/15

Out: 0.029+/-0.026 χ^2/NDF:27.5/18

All: -0.002+/-0.018 χ^2/NDF: 48.0/34



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 73.018+/-0.061 χ^2/NDF:0.0/0

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

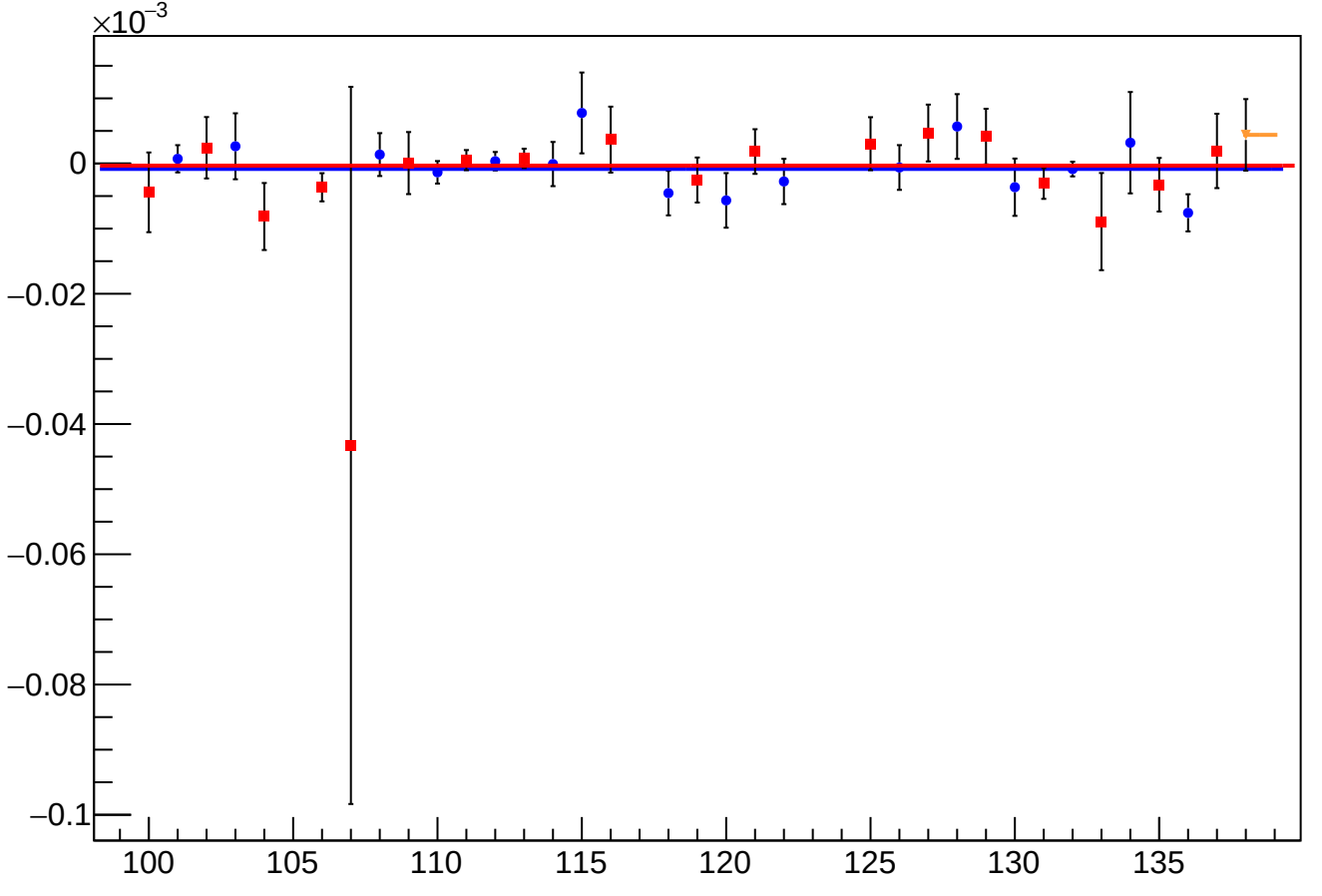
Left: 73.018+/-0.061 χ^2/NDF: 0.0/0

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 66.348+/-0.019 χ^2/NDF:772653.3/15

Out: 68.744+/-0.018 χ^2/NDF:635141.5/18

All: 67.574+/-0.013 χ^2/NDF: 1416300.8/34



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

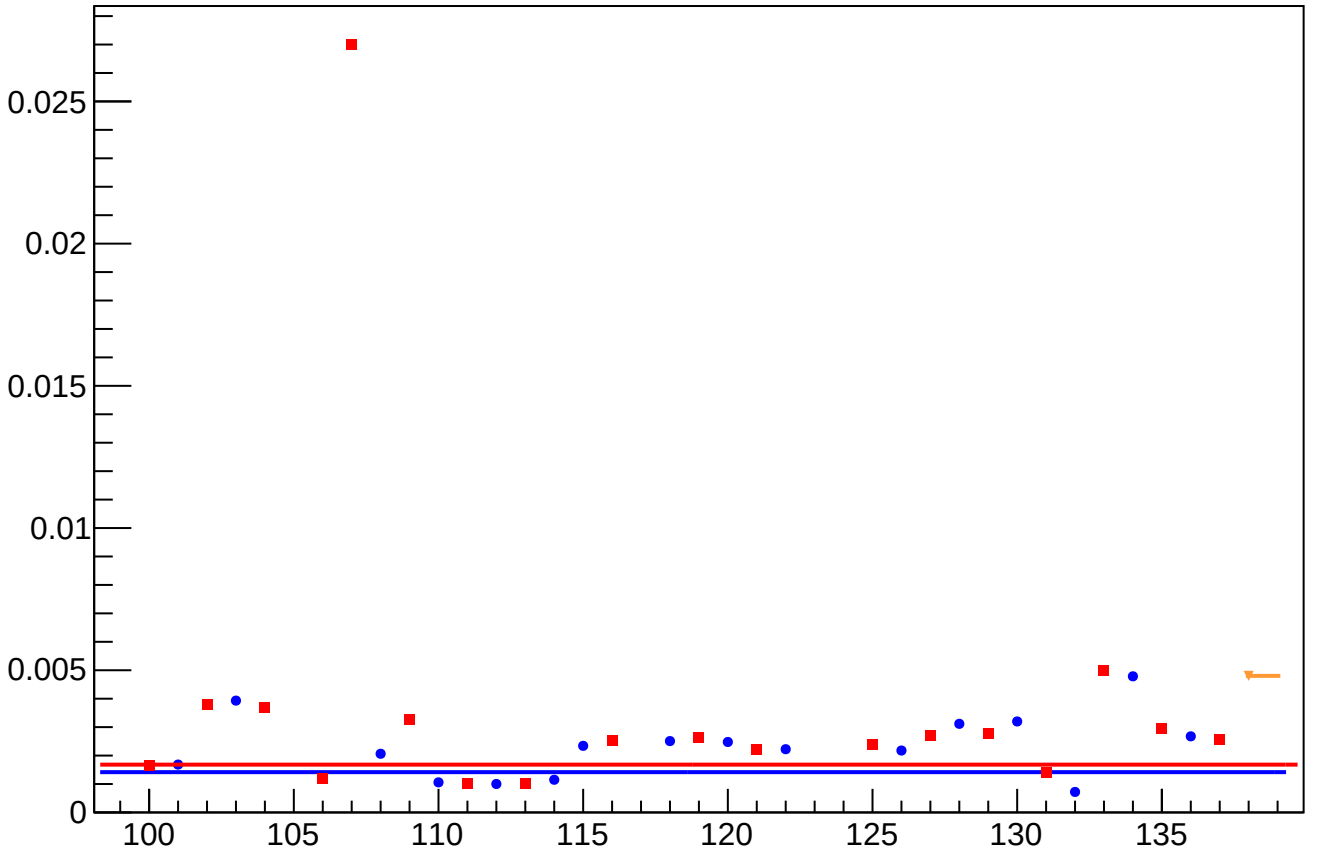
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:15.0/15

Out: -0.000+/-0.000 χ^2/NDF:15.5/18

All: -0.000+/-0.000 χ^2/NDF: 30.9/34



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.005+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

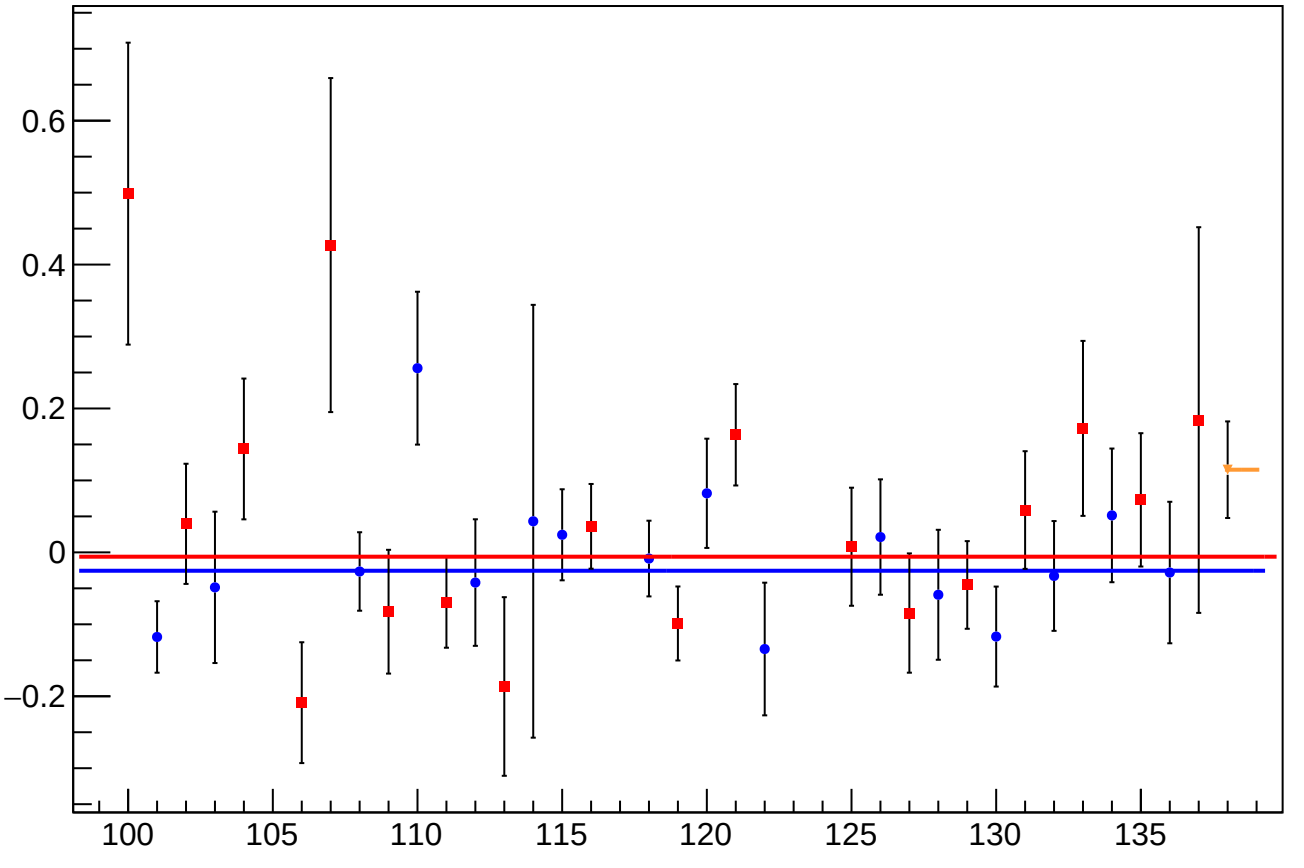
Left: 0.005+/-0.000 χ^2/NDF: 0.0/0

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.001+/-0.000 χ^2/NDF:3547259.2/15

Out: 0.002+/-0.000 χ^2/NDF:4062072.0/18

All: 0.002+/-0.000 χ^2/NDF: 7834563.2/34



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

Left Out: 0.115+/-0.067 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

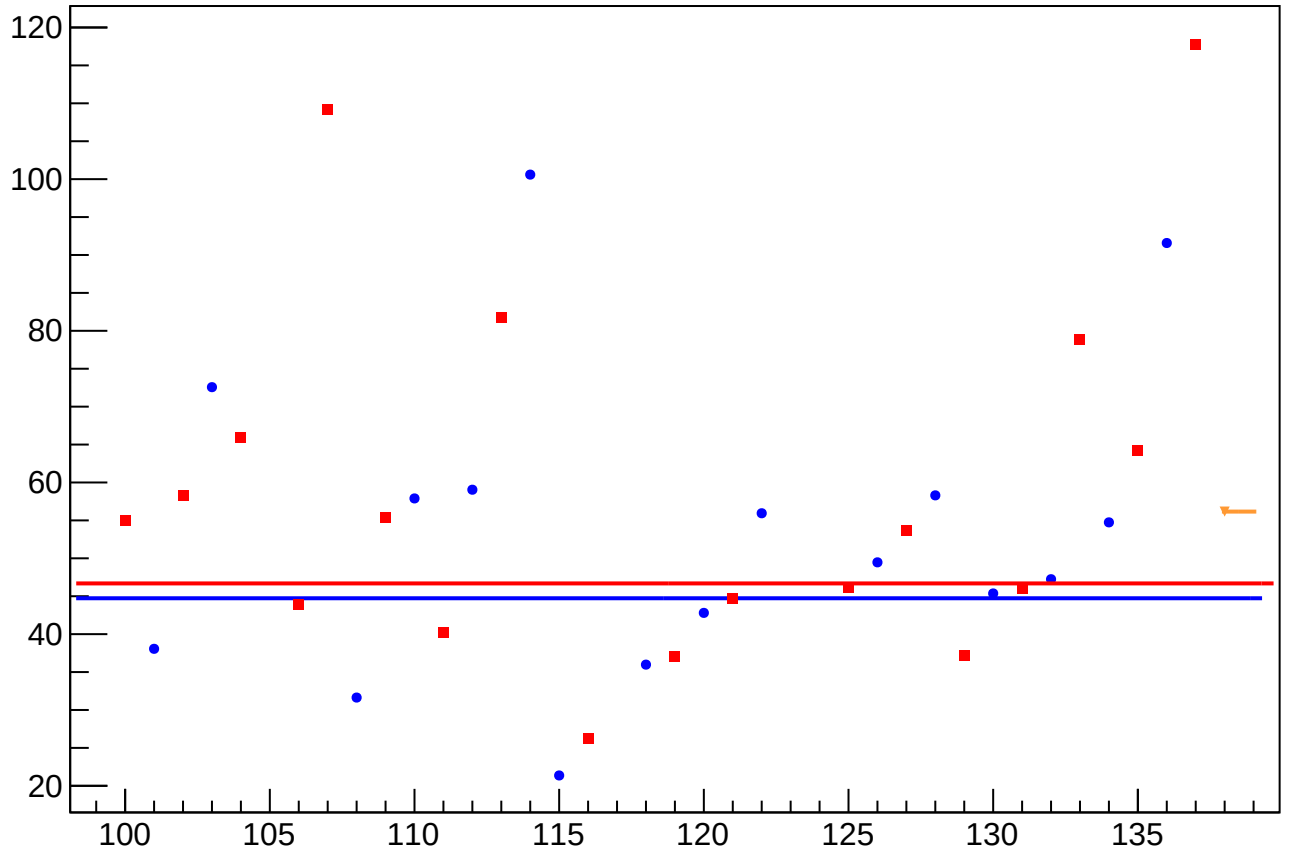
Left: 0.115+/-0.067 χ^2/NDF: 0.0/0

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.026+/-0.019 χ^2/NDF:17.6/15

Out: 0.003+/-0.019 χ^2/NDF:39.5/18

All: -0.011+/-0.013 χ^2/NDF: 58.4/34



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 56.162+/-0.047 χ^2/NDF:0.0/0

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

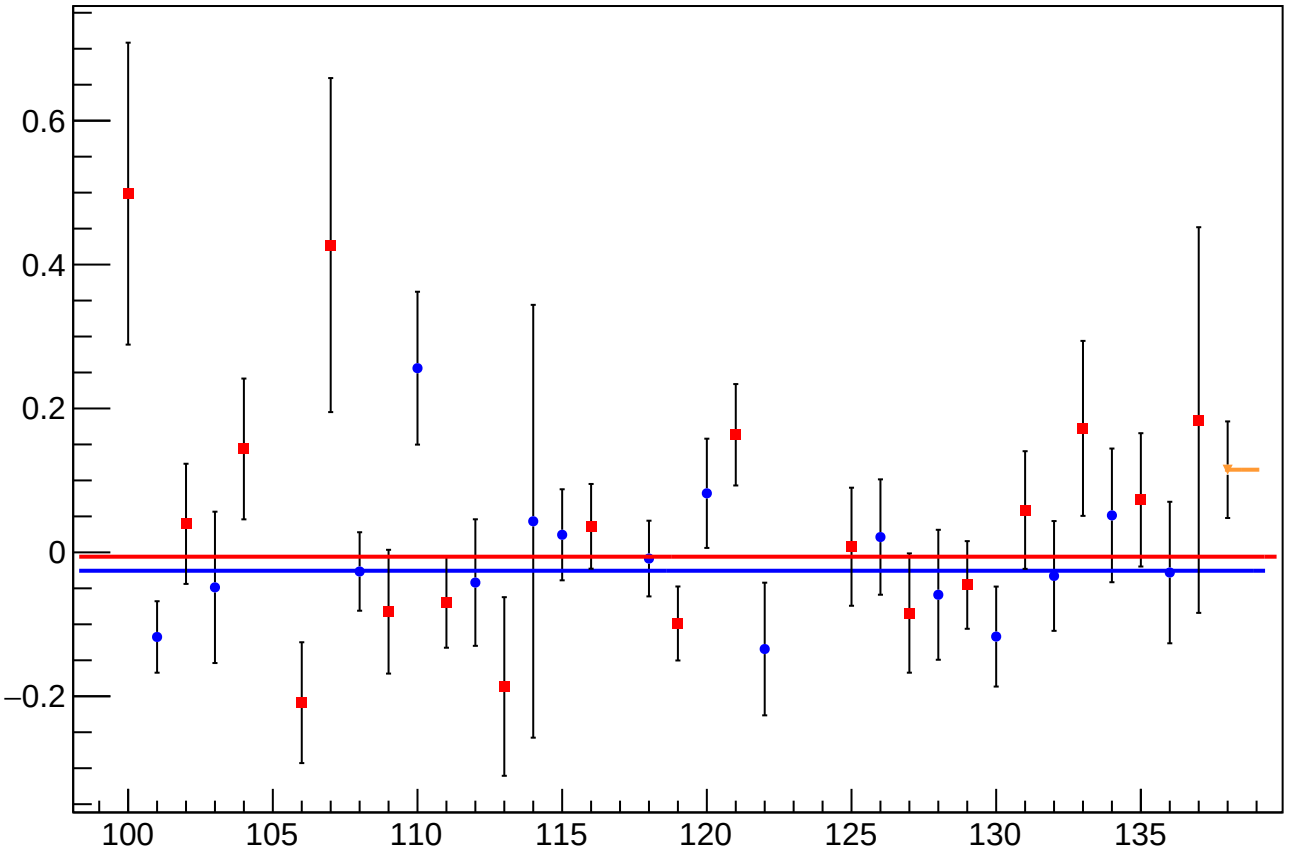
Left: 56.162+/-0.047 χ^2/NDF: 0.0/0

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.732+/-0.013 χ^2/NDF:1334604.0/15

Out: 47.419+/-0.013 χ^2/NDF:1232250.5/18

All: 46.085+/-0.009 χ^2/NDF: 2587502.0/34



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

Left Out: 0.115+/-0.067 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

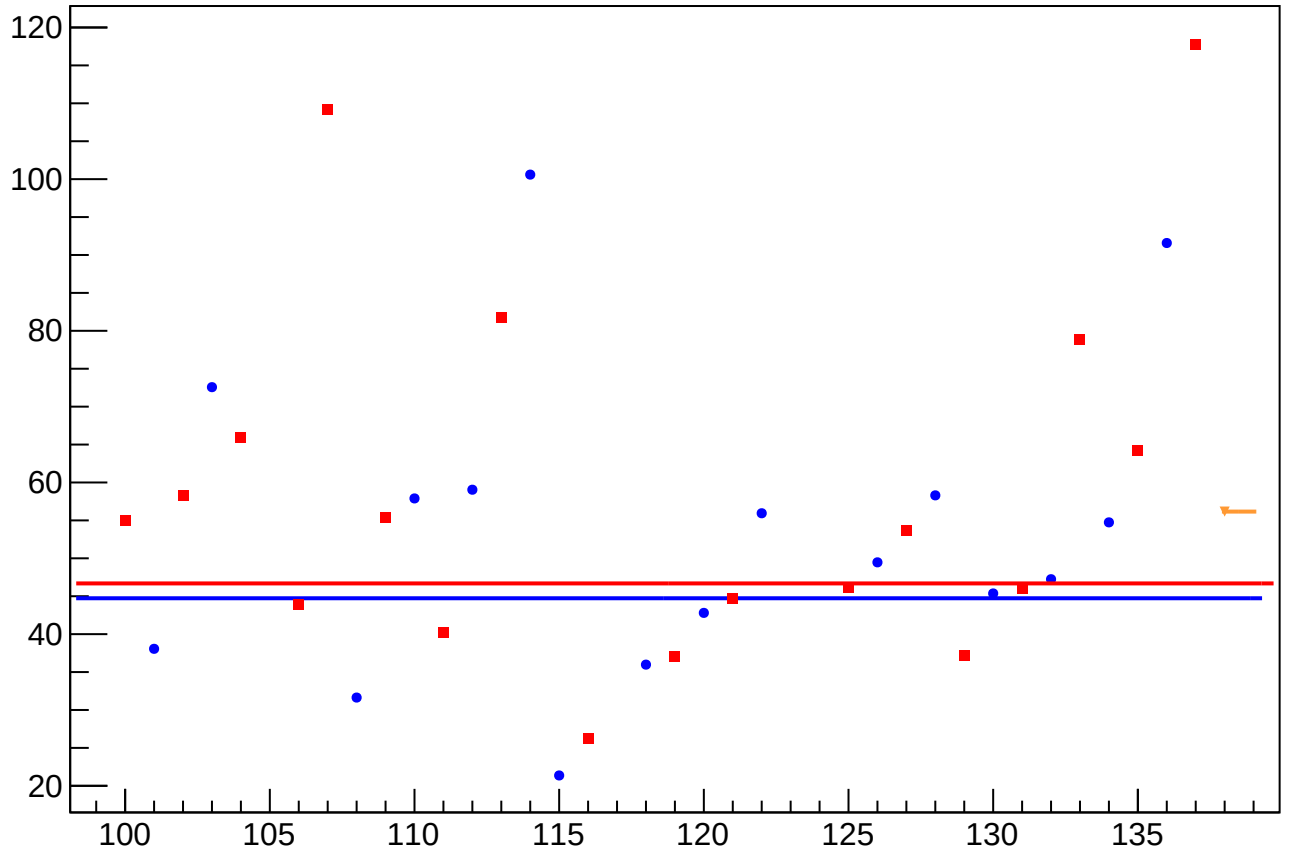
Left: 0.115+/-0.067 χ^2/NDF: 0.0/0

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.026+/-0.019 χ^2/NDF:17.6/15

Out: 0.003+/-0.019 χ^2/NDF:39.5/18

All: -0.011+/-0.013 χ^2/NDF: 58.4/34



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 56.162+/-0.047 χ^2/NDF:0.0/0

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

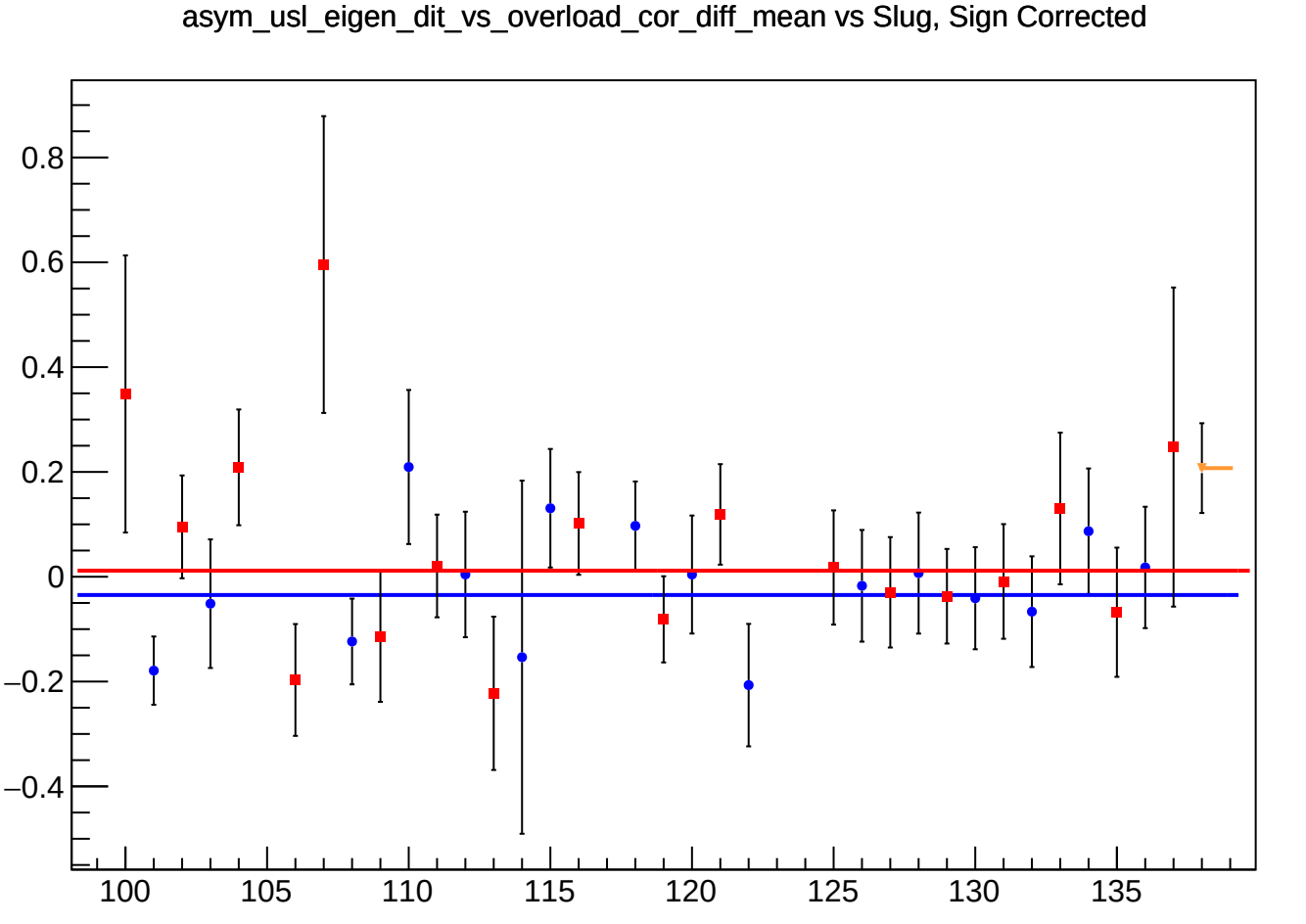
Left: 56.162+/-0.047 χ^2/NDF: 0.0/0

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.732+/-0.013 χ^2/NDF:1334604.0/15

Out: 47.419+/-0.013 χ^2/NDF:1232250.5/18

All: 46.085+/-0.009 χ^2/NDF: 2587502.0/34



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: 0.207+/-0.086 χ^2/NDF:0.0/0

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

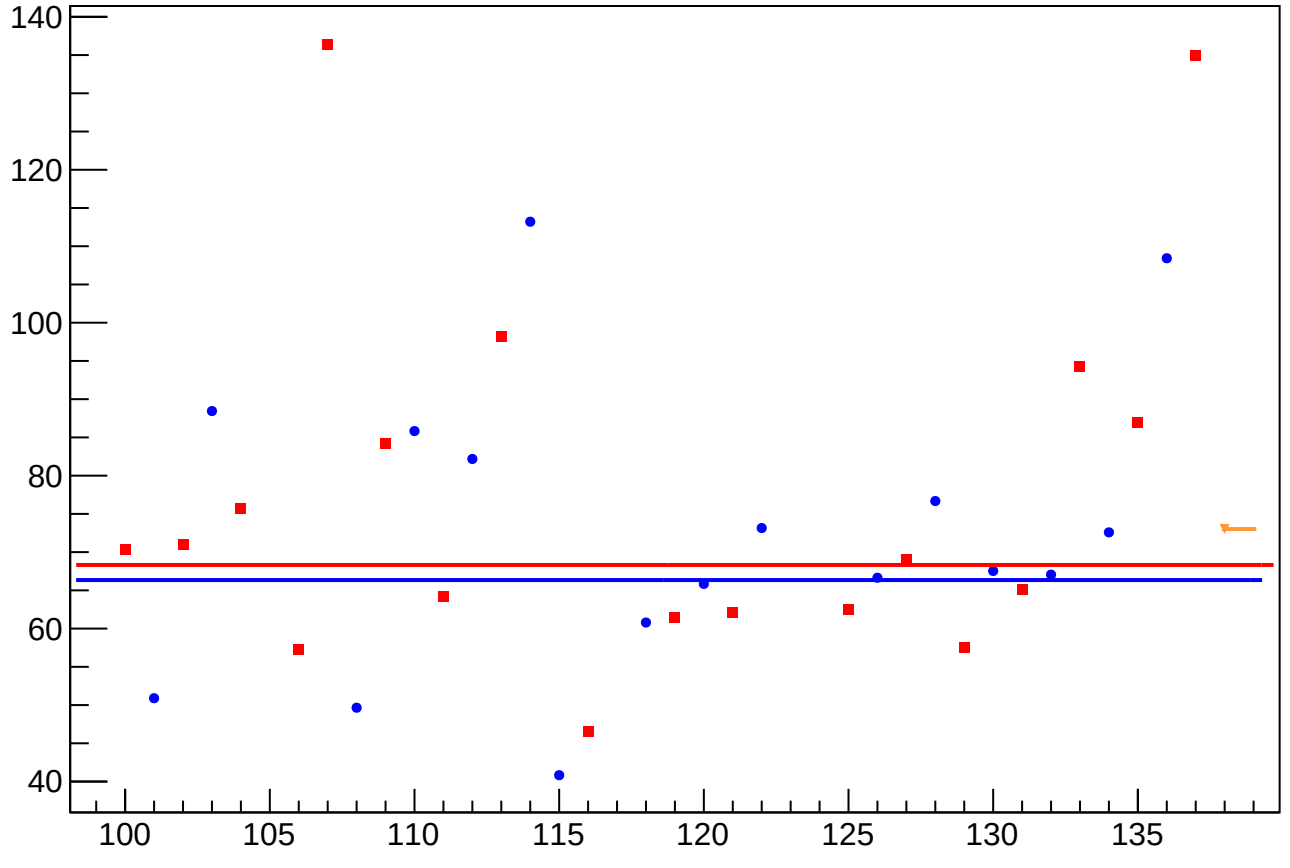
Left: 0.207+/-0.086 χ^2/NDF: 0.0/0

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.035+/-0.026 χ^2/NDF:17.4/15

Out: 0.029+/-0.026 χ^2/NDF:27.5/18

All: -0.002+/-0.018 χ^2/NDF: 48.0/34



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 73.018+/-0.061 χ^2/NDF:0.0/0

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

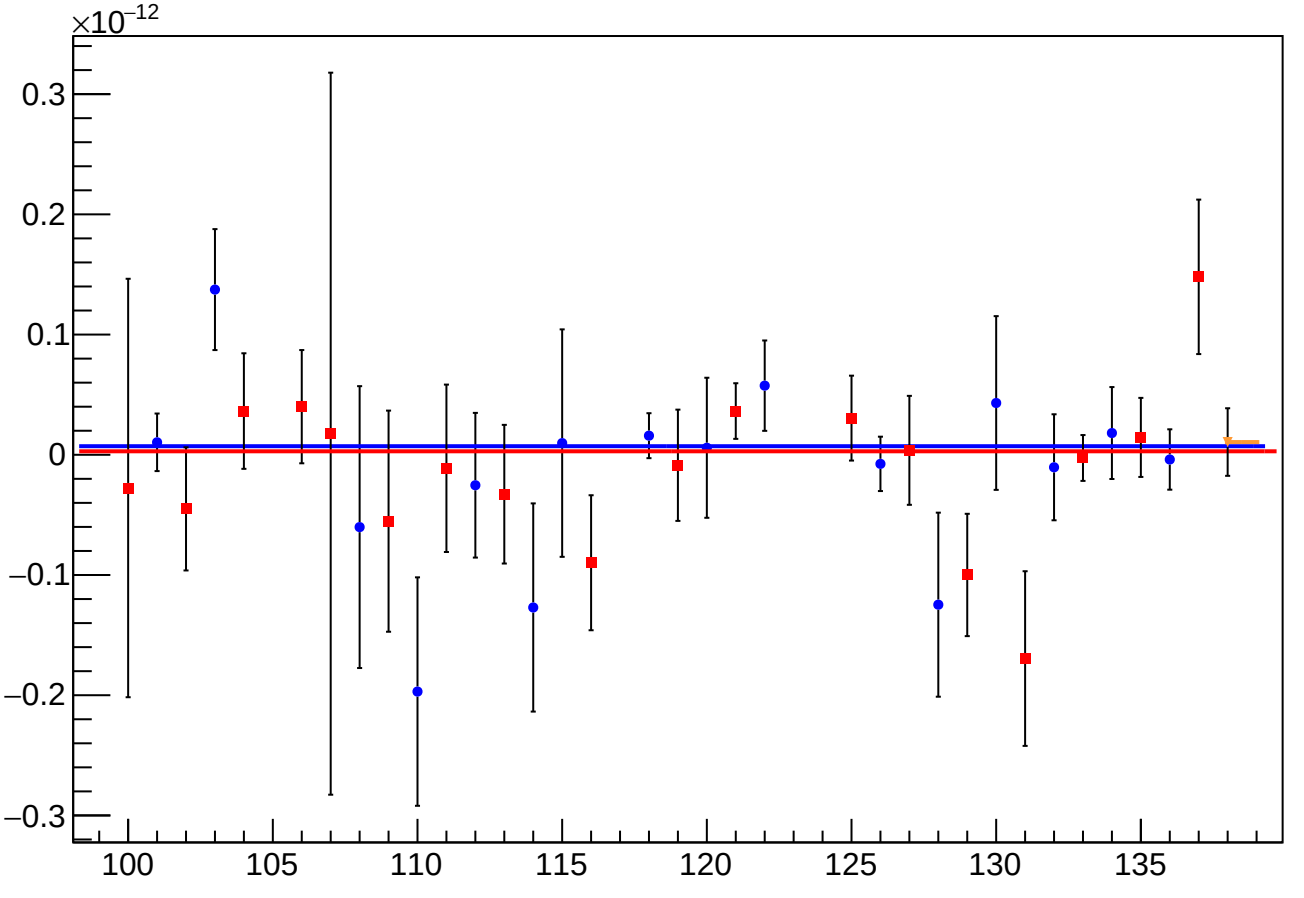
Left: 73.018+/-0.061 χ^2/NDF: 0.0/0

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 66.348+/-0.019 χ^2/NDF:772660.4/15

Out: 68.743+/-0.018 χ^2/NDF:635137.9/18

All: 67.573+/-0.013 χ^2/NDF: 1416303.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

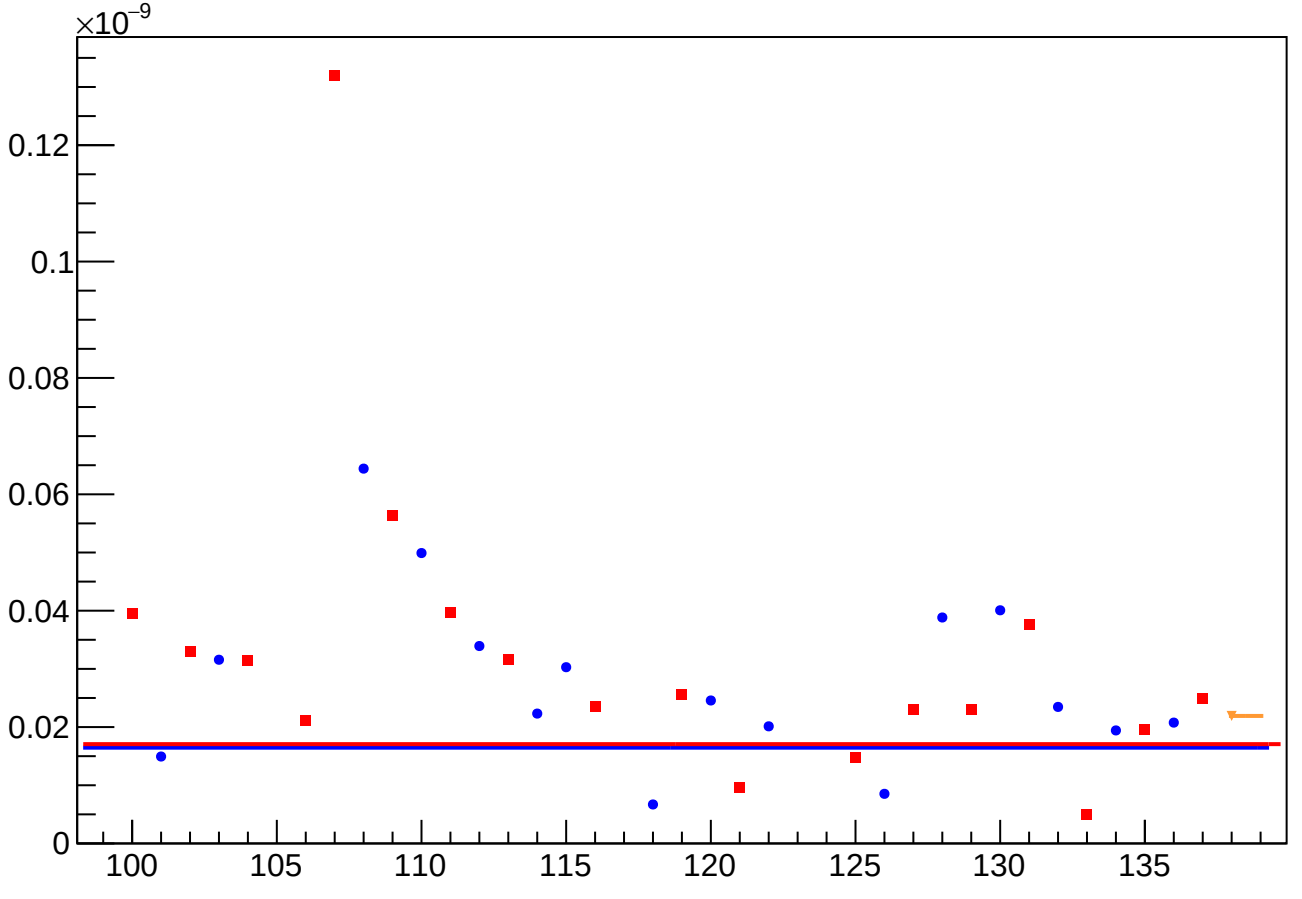
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:20.4/15

Out: 0.000+/-0.000 χ^2/NDF:23.4/18

All: 0.000+/-0.000 χ^2/NDF: 43.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

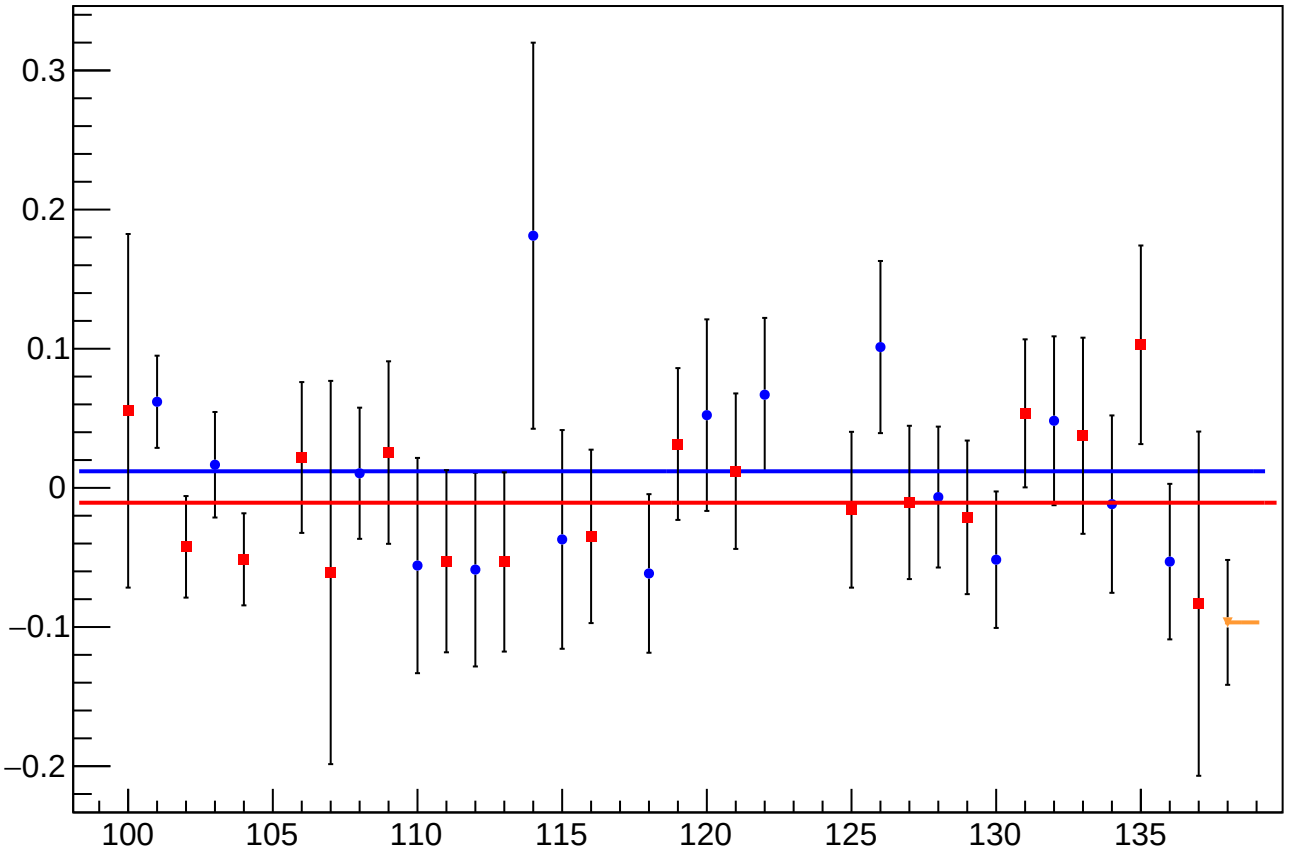
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:2345888.5/15

Out: 0.000+/-0.000 χ^2/NDF:2844315.3/18

All: 0.000+/-0.000 χ^2/NDF: 5205272.8/34



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.097+/-0.045 χ^2/NDF:0.0/0

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

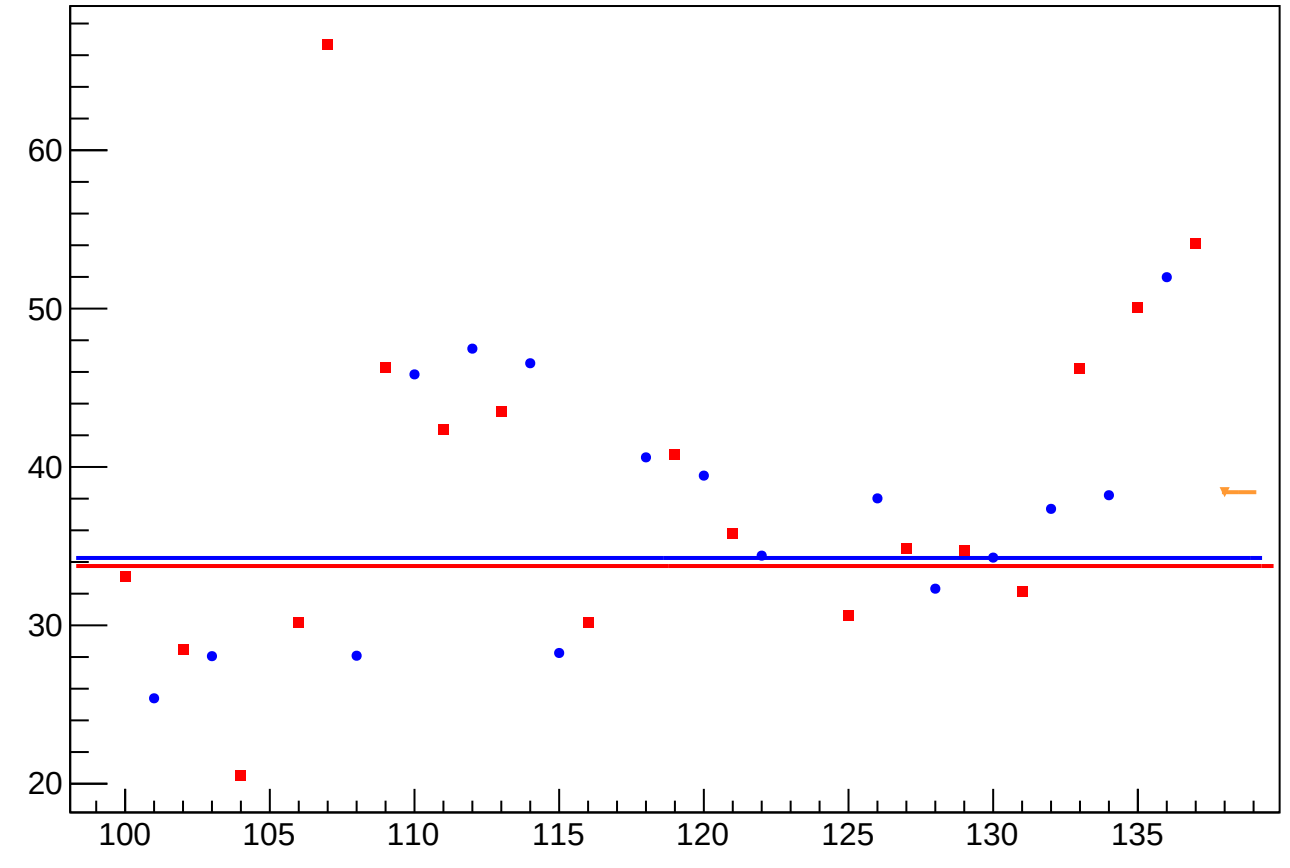
Left: -0.097+/-0.045 χ^2/NDF: 0.0/0

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.012+/-0.014 χ^2/NDF:14.7/15

Out: -0.018+/-0.013 χ^2/NDF:13.3/18

All: -0.004+/-0.009 χ^2/NDF: 30.5/34



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 38.407+/-0.032 χ^2/NDF:0.0/0

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

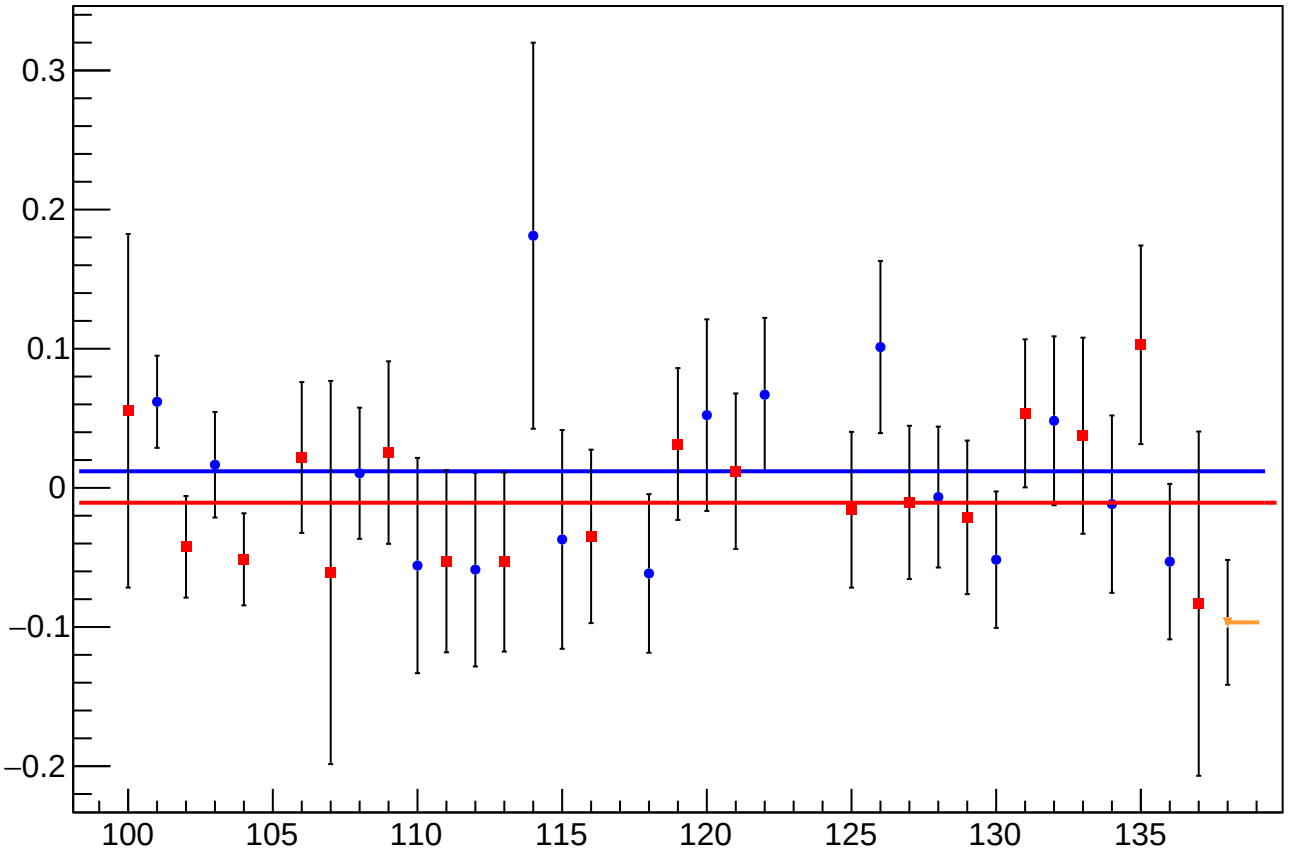
Left: 38.407+/-0.032 χ^2/NDF: 0.0/0

Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 34.254+/-0.010 χ^2/NDF:636017.1/15

Out: 34.130+/-0.009 χ^2/NDF:931744.9/18

All: 34.189+/-0.007 χ^2/NDF: 1567850.5/34



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.097+/-0.045 χ^2/NDF:0.0/0

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

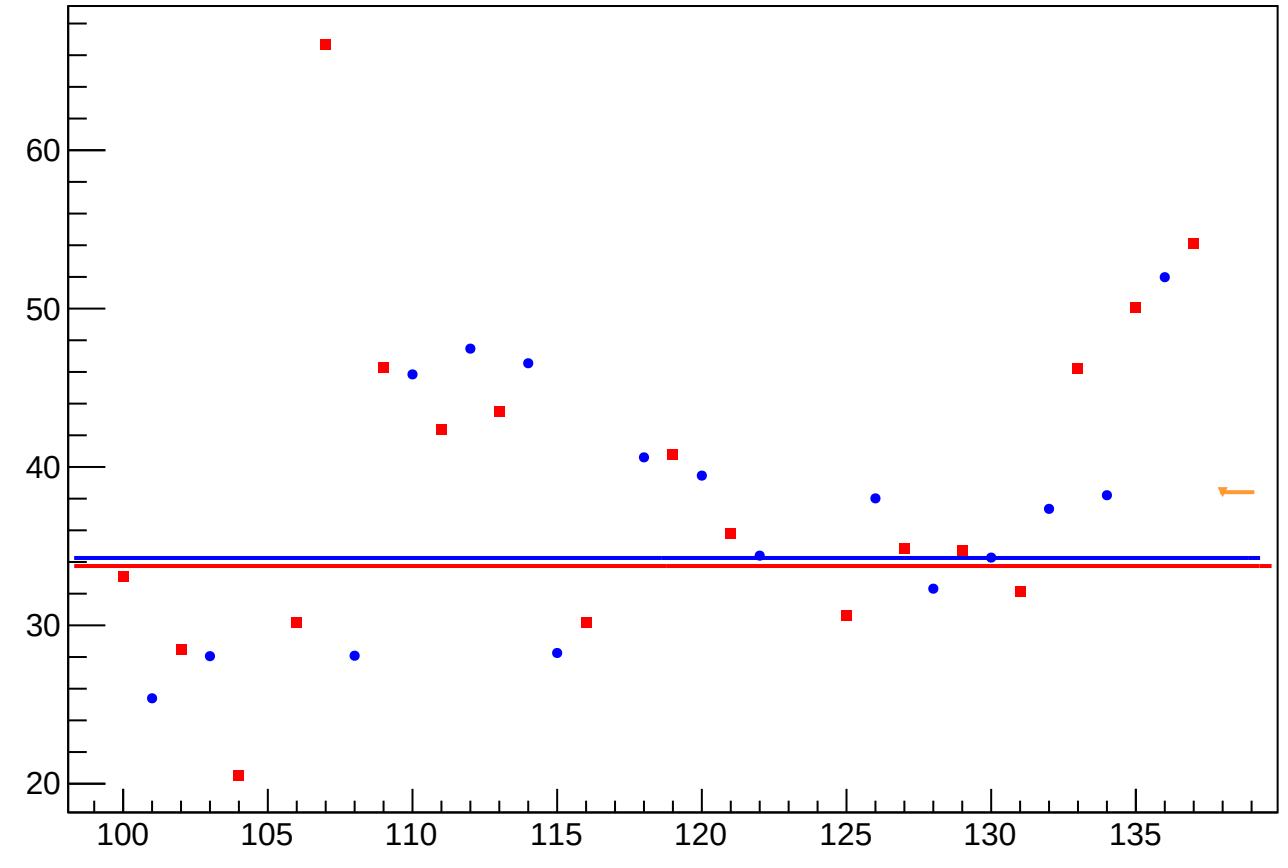
Left: -0.097+/-0.045 χ^2/NDF: 0.0/0

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.012+/-0.014 χ^2/NDF:14.7/15

Out: -0.018+/-0.013 χ^2/NDF:13.3/18

All: -0.004+/-0.009 χ^2/NDF: 30.5/34



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 38.407+/-0.032 χ^2/NDF:0.0/0

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 38.407+/-0.032 χ^2/NDF: 0.0/0

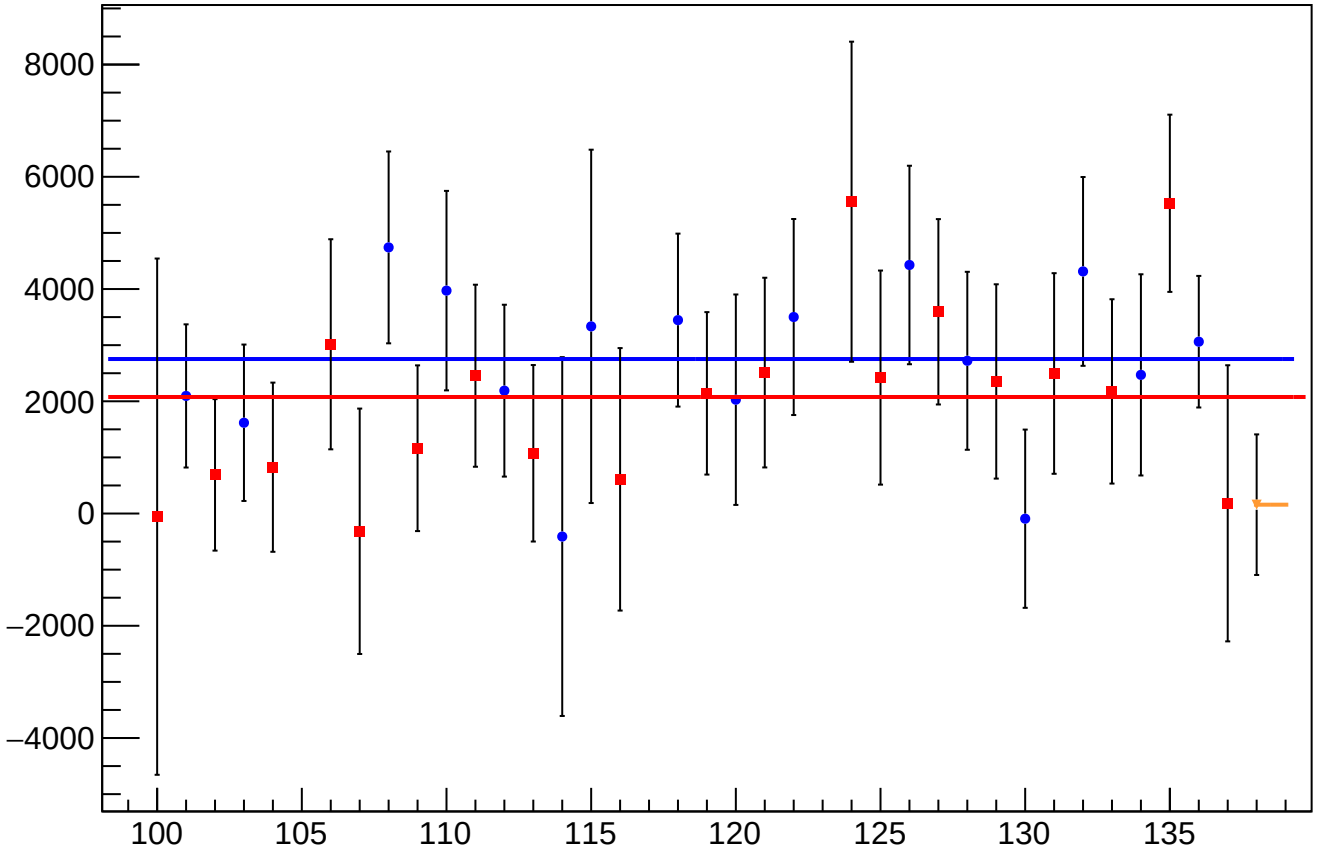
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 34.254+/-0.010 χ^2/NDF:636017.1/15

Out: 34.130+/-0.009 χ^2/NDF:931744.9/18

All: 34.189+/-0.007 χ^2/NDF: 1567850.5/34

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 157.600+/-1252.509 χ^2/NDF:0.0/0

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 157.600+/-1252.509 χ^2/NDF: 0.0/0

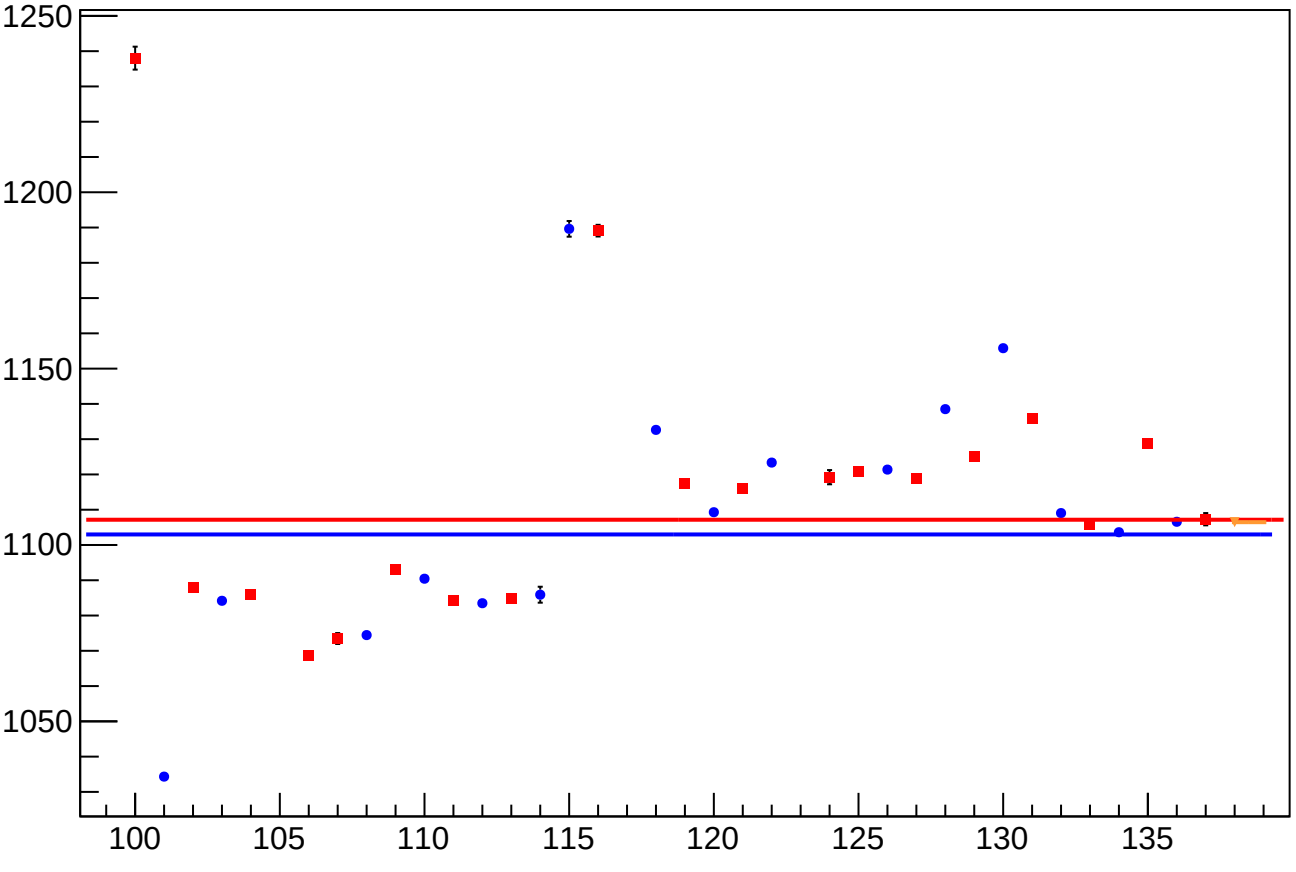
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2753.123+/-409.837 χ^2/NDF:9.5/15

Out: 1895.811+/-384.317 χ^2/NDF:14.7/19

All: 2296.945+/-280.341 χ^2/NDF: 26.5/35

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1106.470+/-0.886 χ^2/NDF:0.0/0

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

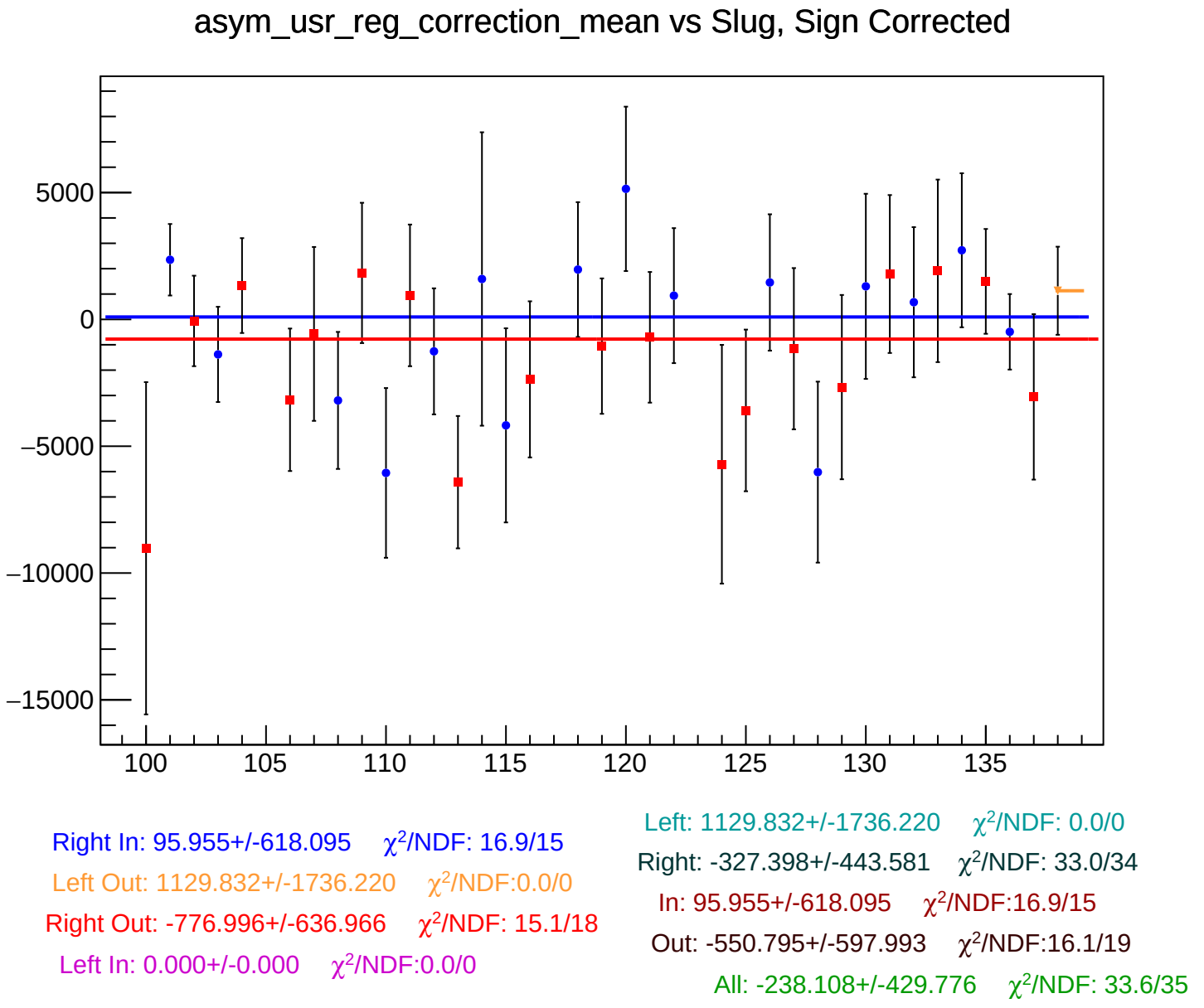
Left: 1106.470+/-0.886 χ^2/NDF: 0.0/0

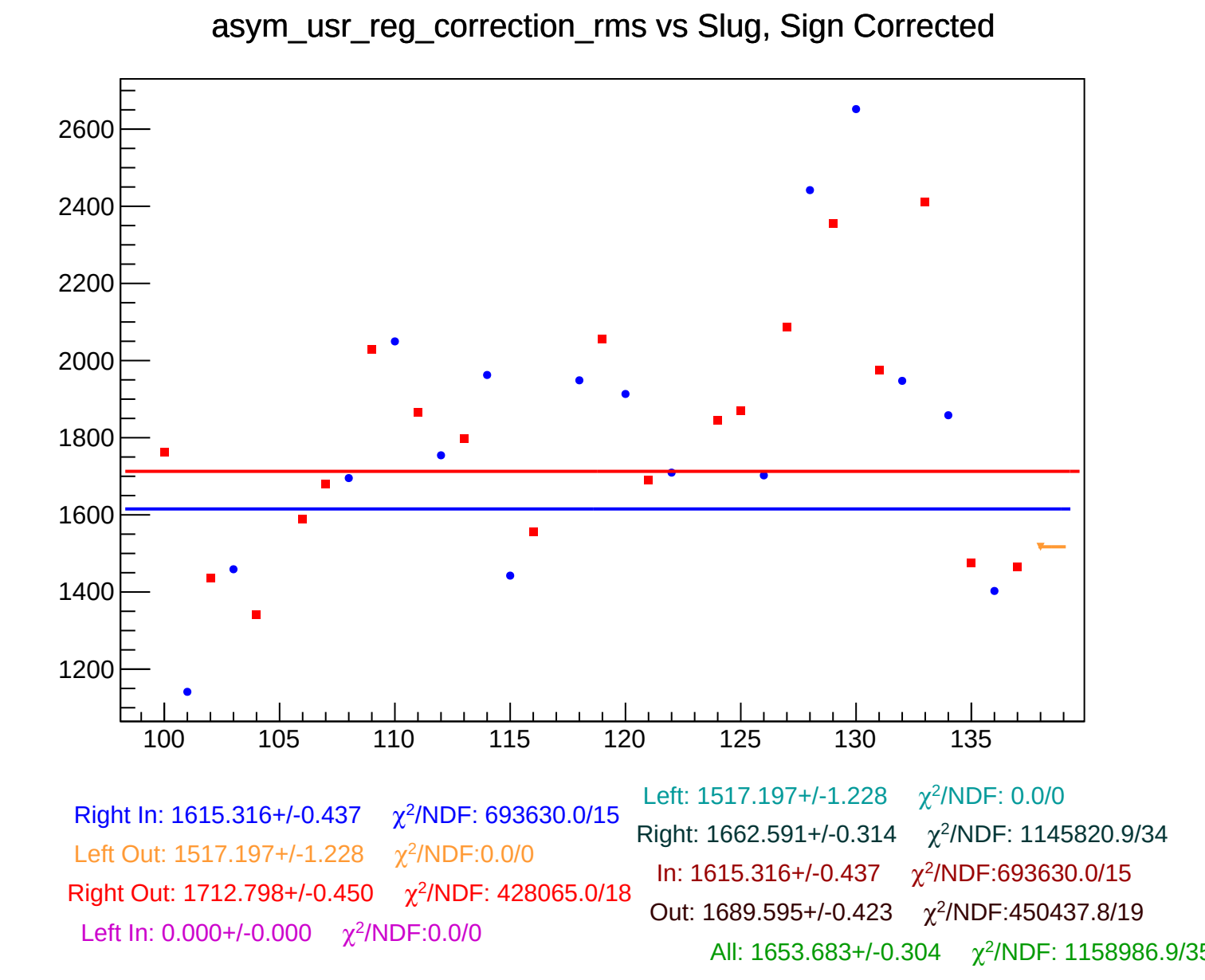
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1102.988+/-0.290 χ^2/NDF:13223.8/15

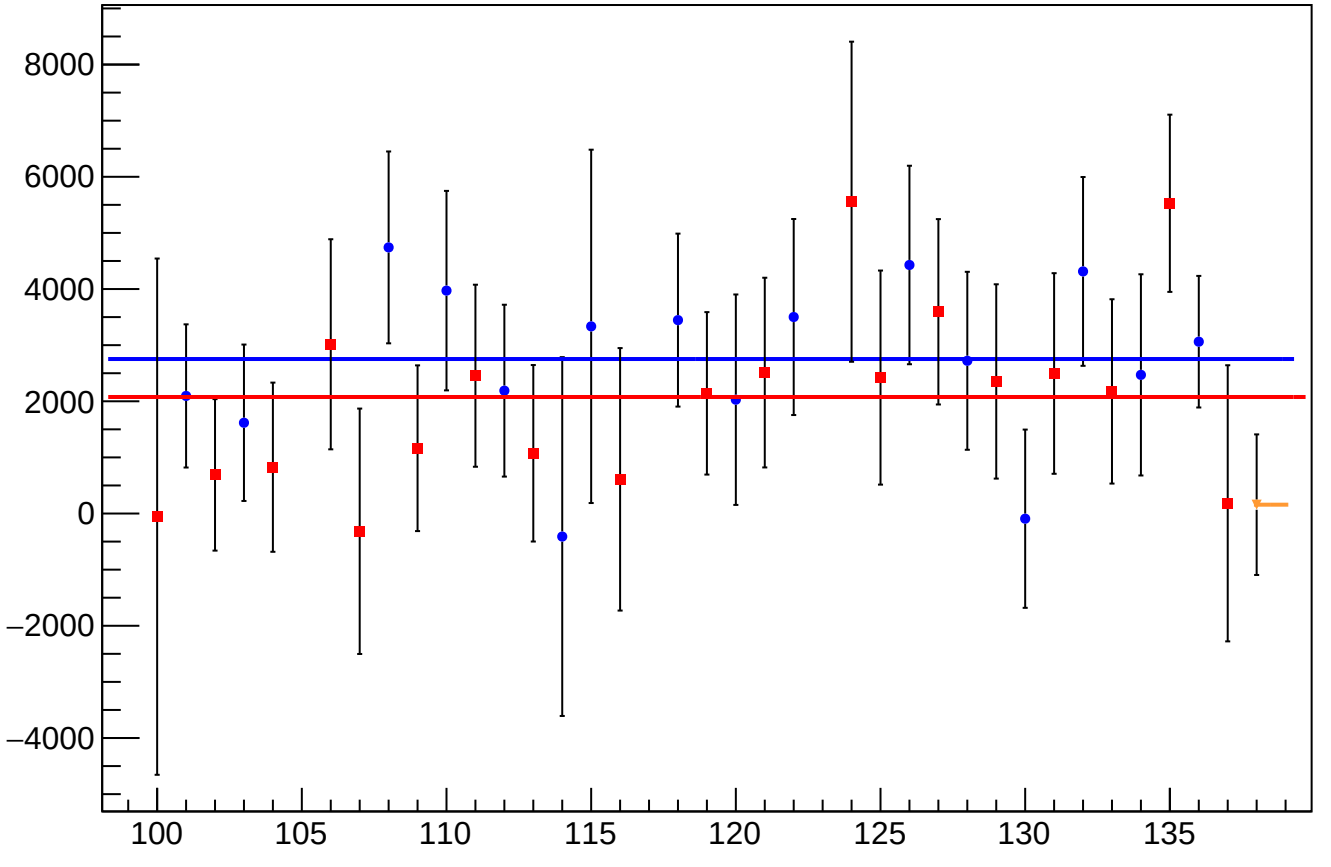
Out: 1107.094+/-0.272 χ^2/NDF:8683.9/19

All: 1105.173+/-0.198 χ^2/NDF: 22014.6/35


asym_usr_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 1129.832+/-1736.220 χ²/NDF:0.0/0
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1129.832+/-1736.220 χ²/NDF: 0.0/0
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 95.955+/-618.095 χ²/NDF:16.9/15
Out: -550.795+/-597.993 χ²/NDF:16.1/19
All: -238.108+/-429.776 χ²/NDF: 33.6/35


asym_usr_reg_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
100
105
110
115
120
125
130
135
Right In: 1615.316+/-0.437 χ²/NDF: 693630.0/15
Left Out: 1517.197+/-1.228 χ²/NDF:0.0/0
Right Out: 1712.798+/-0.450 χ²/NDF: 428065.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1517.197+/-1.228 χ²/NDF: 0.0/0
Right: 1662.591+/-0.314 χ²/NDF: 1145820.9/34
In: 1615.316+/-0.437 χ²/NDF:693630.0/15
Out: 1689.595+/-0.423 χ²/NDF:450437.8/19
All: 1653.683+/-0.304 χ²/NDF: 1158986.9/35

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 157.600+/-1252.509 χ^2/NDF:0.0/0

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 157.600+/-1252.509 χ^2/NDF: 0.0/0

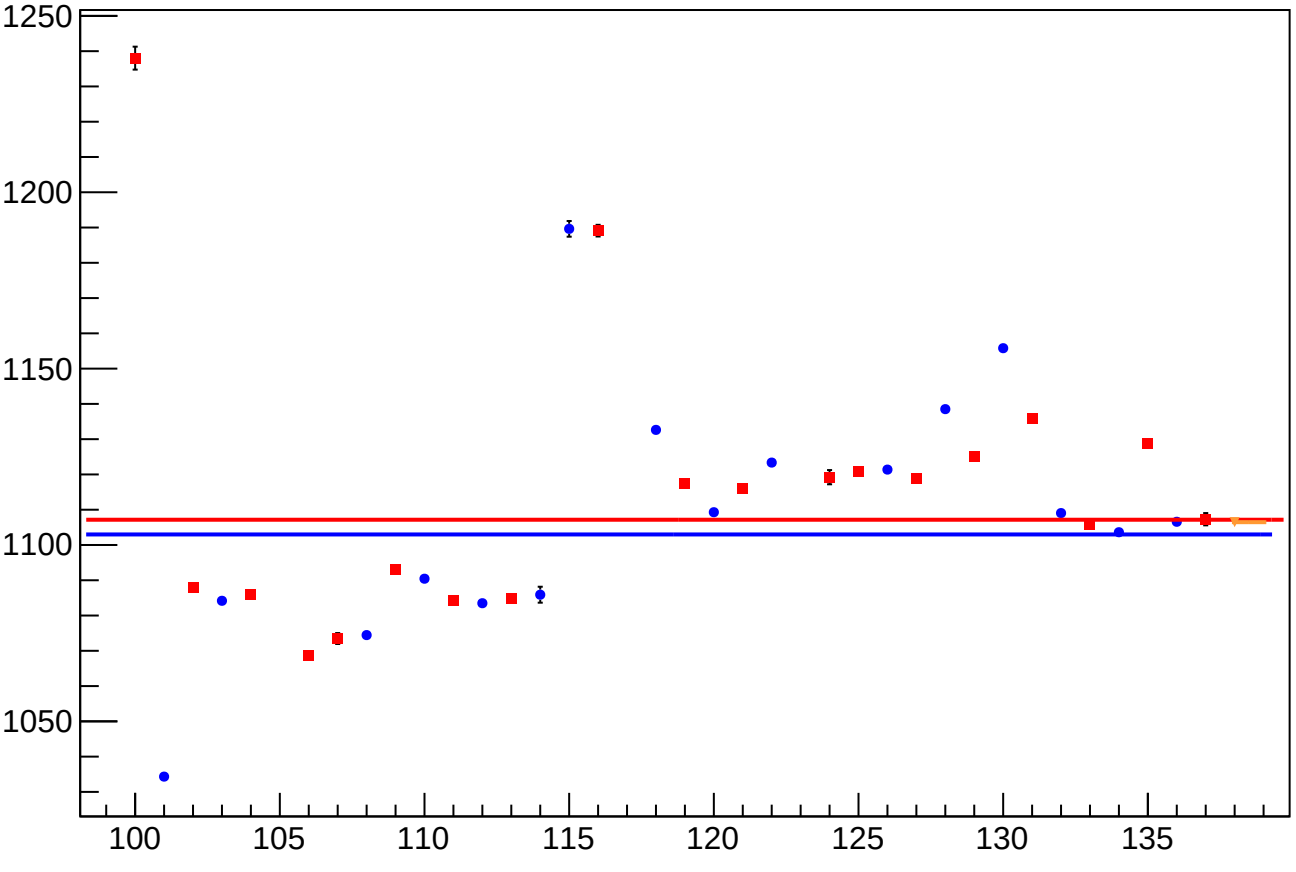
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2753.123+/-409.837 χ^2/NDF:9.5/15

Out: 1895.811+/-384.317 χ^2/NDF:14.7/19

All: 2296.945+/-280.341 χ^2/NDF: 26.5/35

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1106.470+/-0.886 χ^2/NDF:0.0/0

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

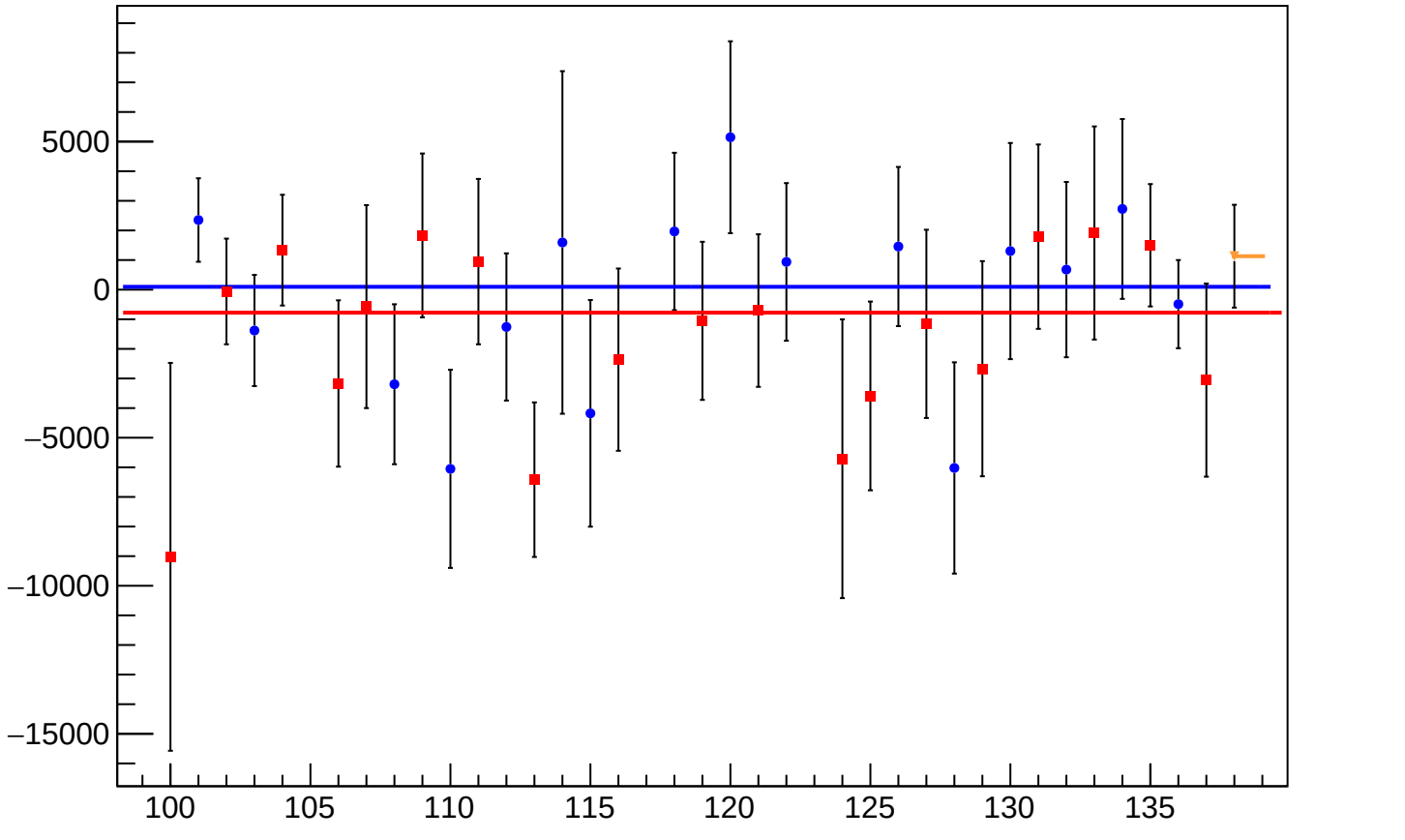
Left: 1106.470+/-0.886 χ^2/NDF: 0.0/0

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1102.988+/-0.290 χ^2/NDF:13223.8/15

Out: 1107.094+/-0.272 χ^2/NDF:8683.9/19

All: 1105.173+/-0.198 χ^2/NDF: 22014.6/35



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1129.832+/-1736.220 χ^2/NDF:0.0/0

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

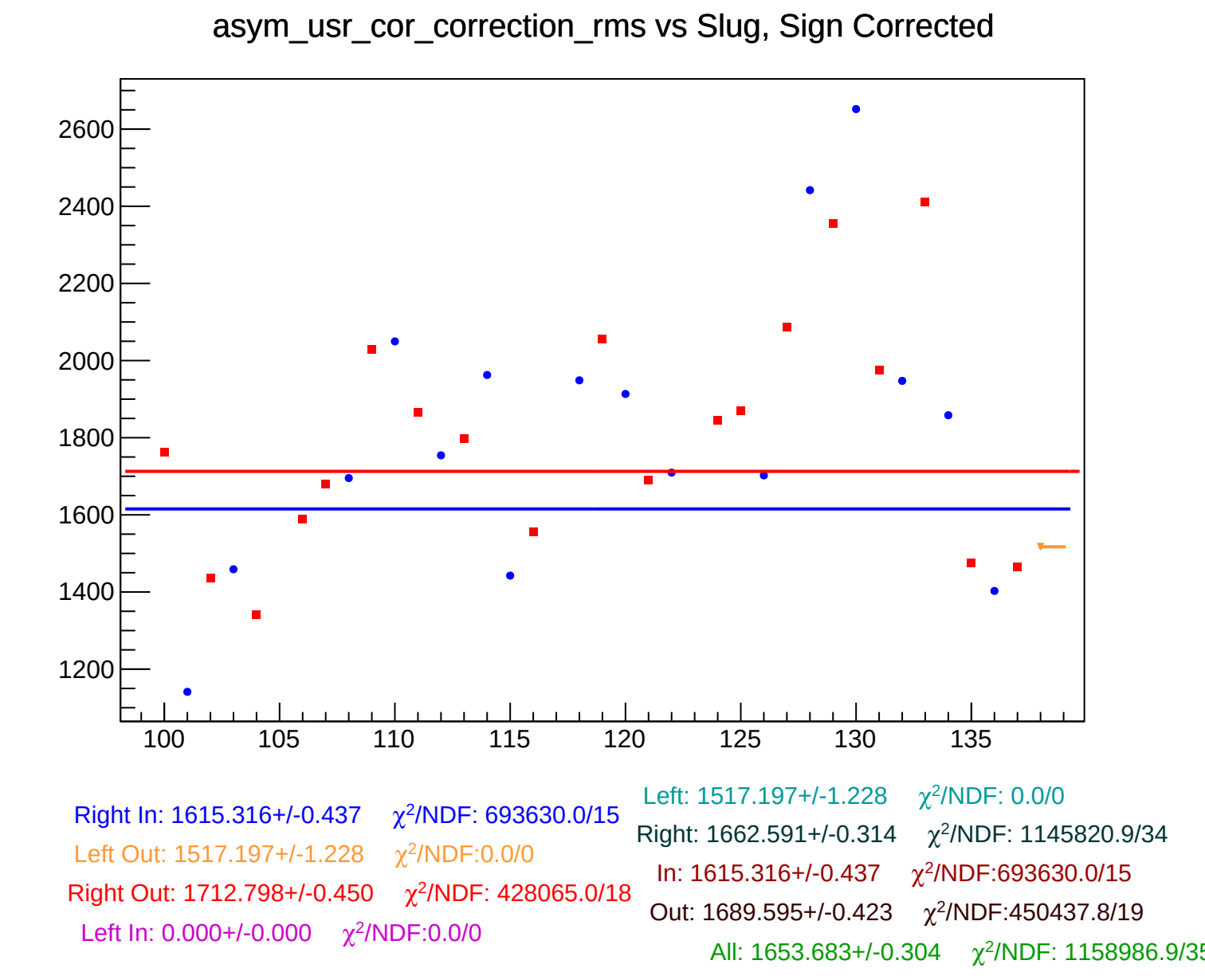
Left: 1129.832+/-1736.220 χ^2/NDF: 0.0/0

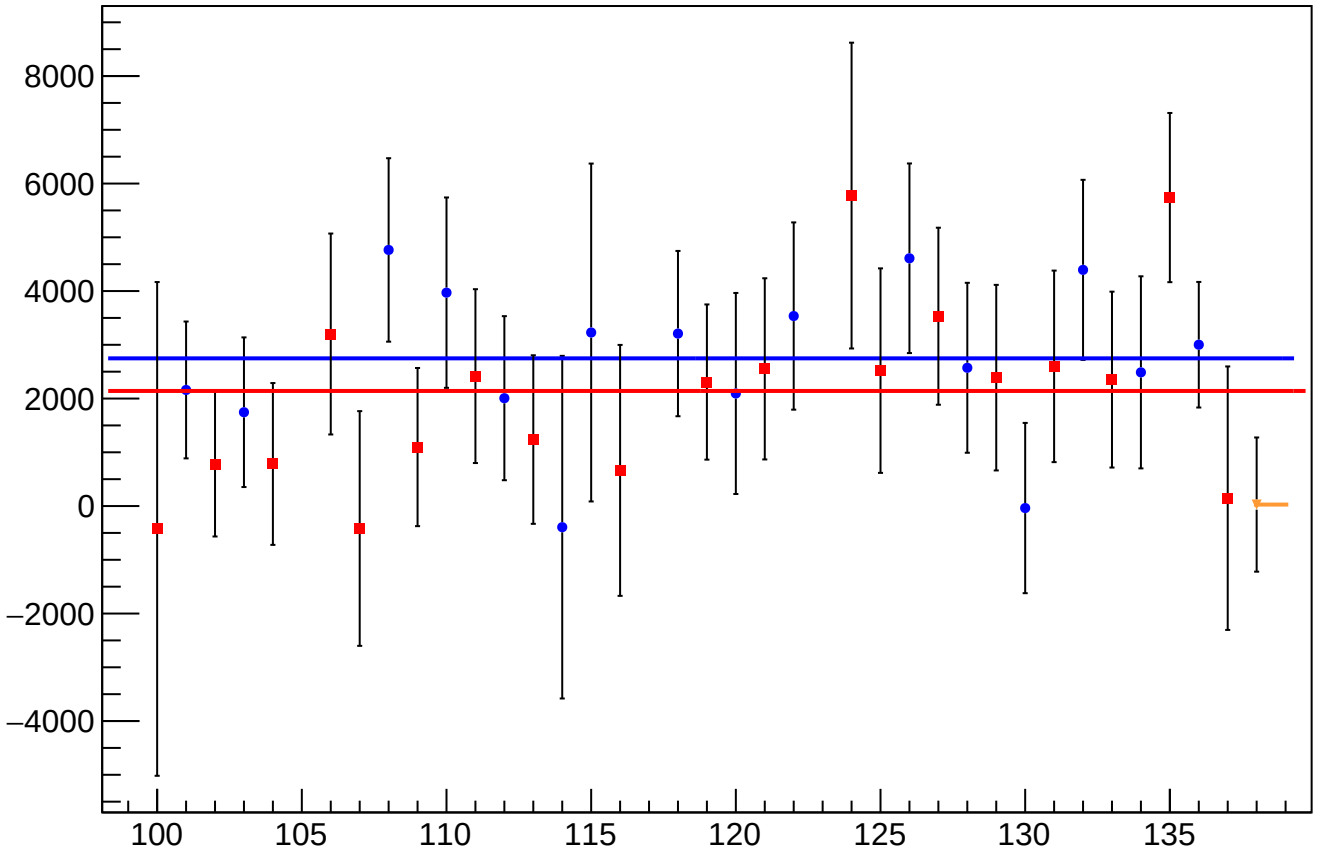
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 95.955+/-618.095 χ^2/NDF:16.9/15

Out: -550.795+/-597.993 χ^2/NDF:16.1/19

All: -238.108+/-429.776 χ^2/NDF: 33.6/35


asym_usr_cor_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
100
105
110
115
120
125
130
135
Right In: 1615.316+/-0.437 χ²/NDF: 693630.0/15
Left Out: 1517.197+/-1.228 χ²/NDF:0.0/0
Right Out: 1712.798+/-0.450 χ²/NDF: 428065.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1517.197+/-1.228 χ²/NDF: 0.0/0
Right: 1662.591+/-0.314 χ²/NDF: 1145820.9/34
In: 1615.316+/-0.437 χ²/NDF:693630.0/15
Out: 1689.595+/-0.423 χ²/NDF:450437.8/19
All: 1653.683+/-0.304 χ²/NDF: 1158986.9/35



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 27.489+/-1248.326 χ^2/NDF:0.0/0

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 27.489+/-1248.326 χ^2/NDF: 0.0/0

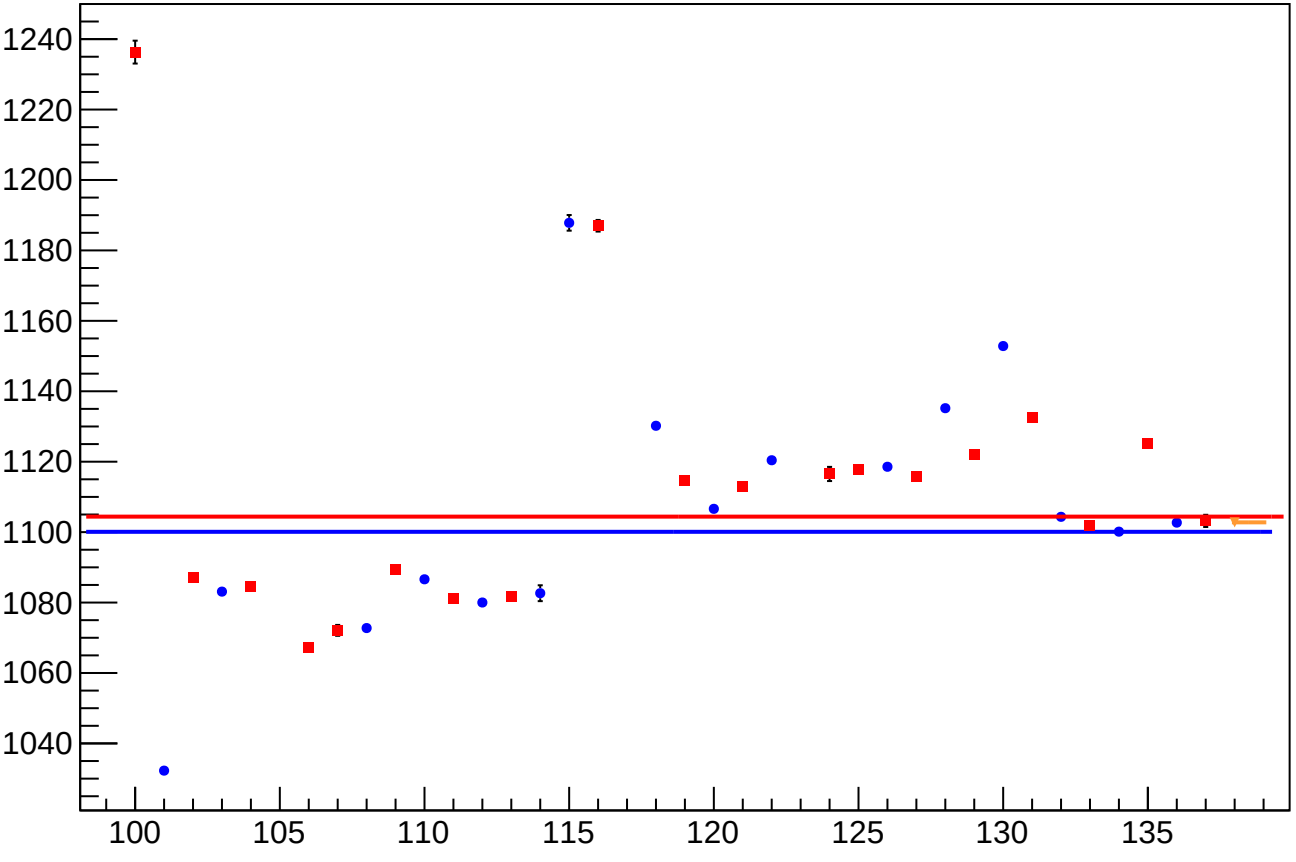
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2747.939+/-408.759 χ^2/NDF:9.5/15

Out: 1941.861+/-383.328 χ^2/NDF:16.1/19

All: 2319.046+/-279.612 χ^2/NDF: 27.7/35

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1102.775+/-0.883 χ^2/NDF:0.0/0

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

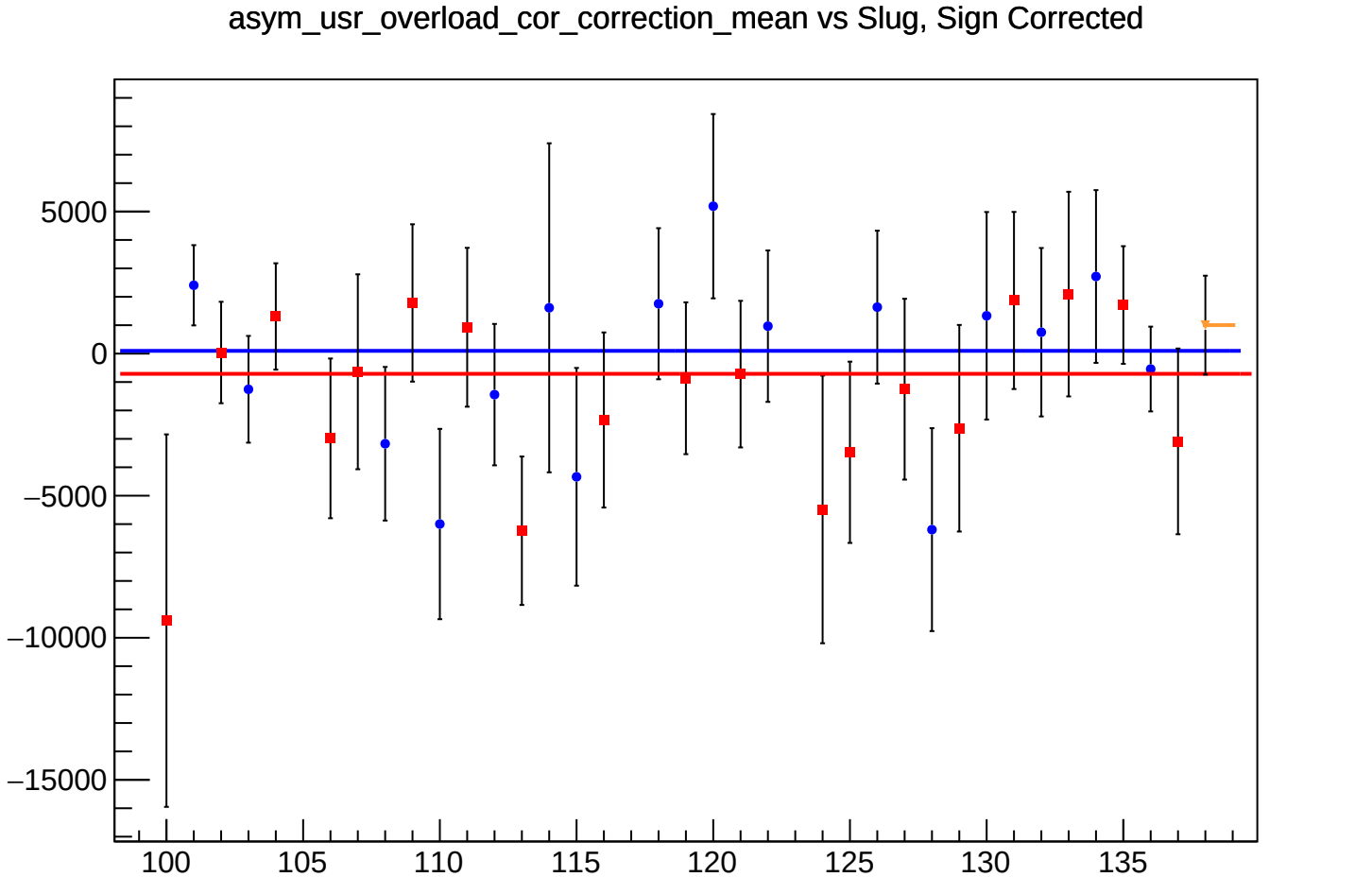
Left: 1102.775+/-0.883 χ^2/NDF: 0.0/0

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1100.090+/-0.289 χ^2/NDF:13077.1/15

Out: 1104.249+/-0.271 χ^2/NDF:8546.6/19

All: 1102.303+/-0.198 χ^2/NDF: 21733.9/35



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1003.116+/-1739.366 χ^2/NDF:0.0/0

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

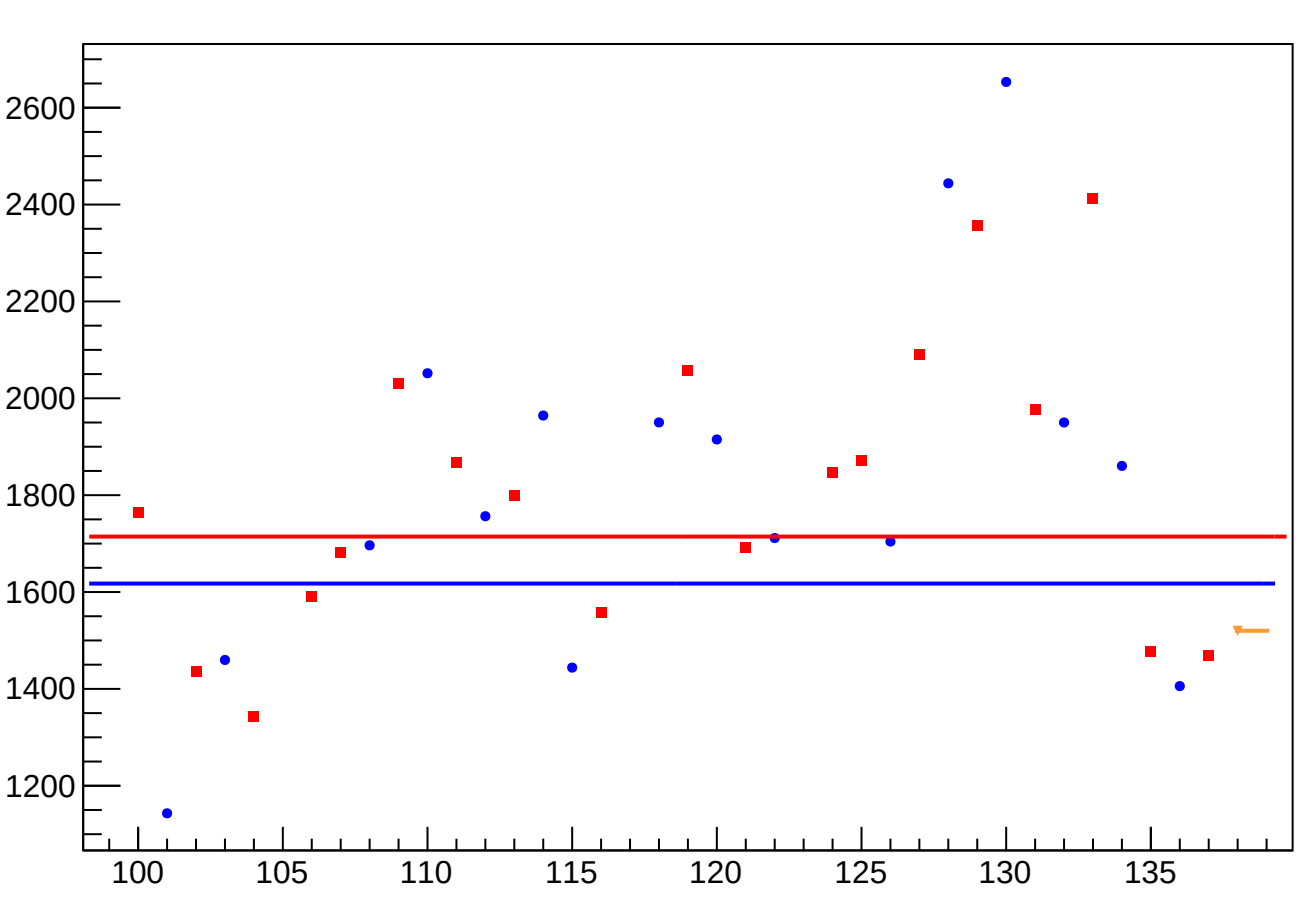
Left: 1003.116+/-1739.366 χ^2/NDF: 0.0/0

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 97.435+/-618.876 χ^2/NDF:17.2/15

Out: -508.212+/-598.635 χ^2/NDF:15.8/19

All: -215.454+/-430.277 χ^2/NDF: 33.5/35



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1520.040+/-1.230 χ^2/NDF:0.0/0

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

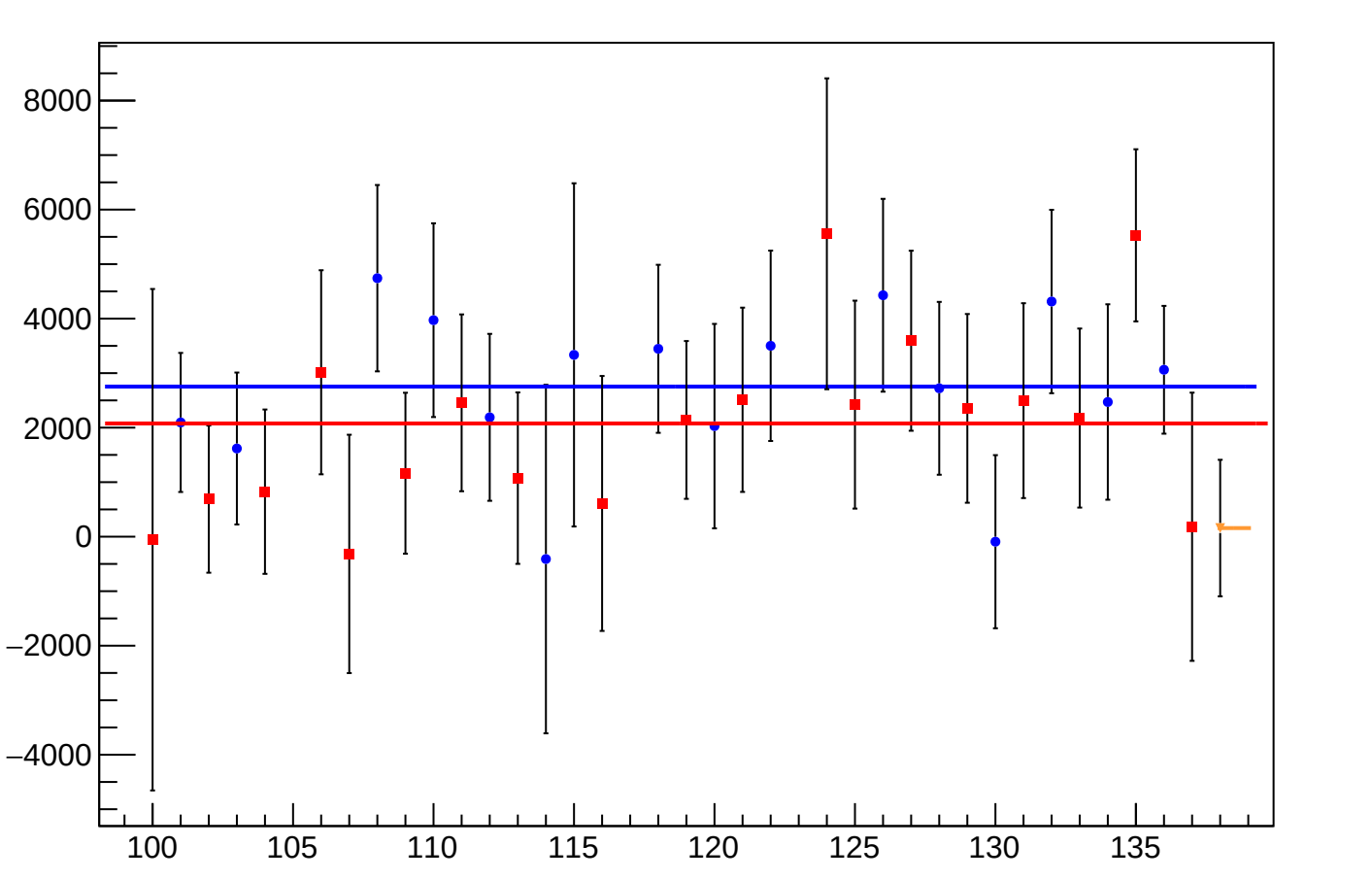
Left: 1520.040+/-1.230 χ^2/NDF: 0.0/0

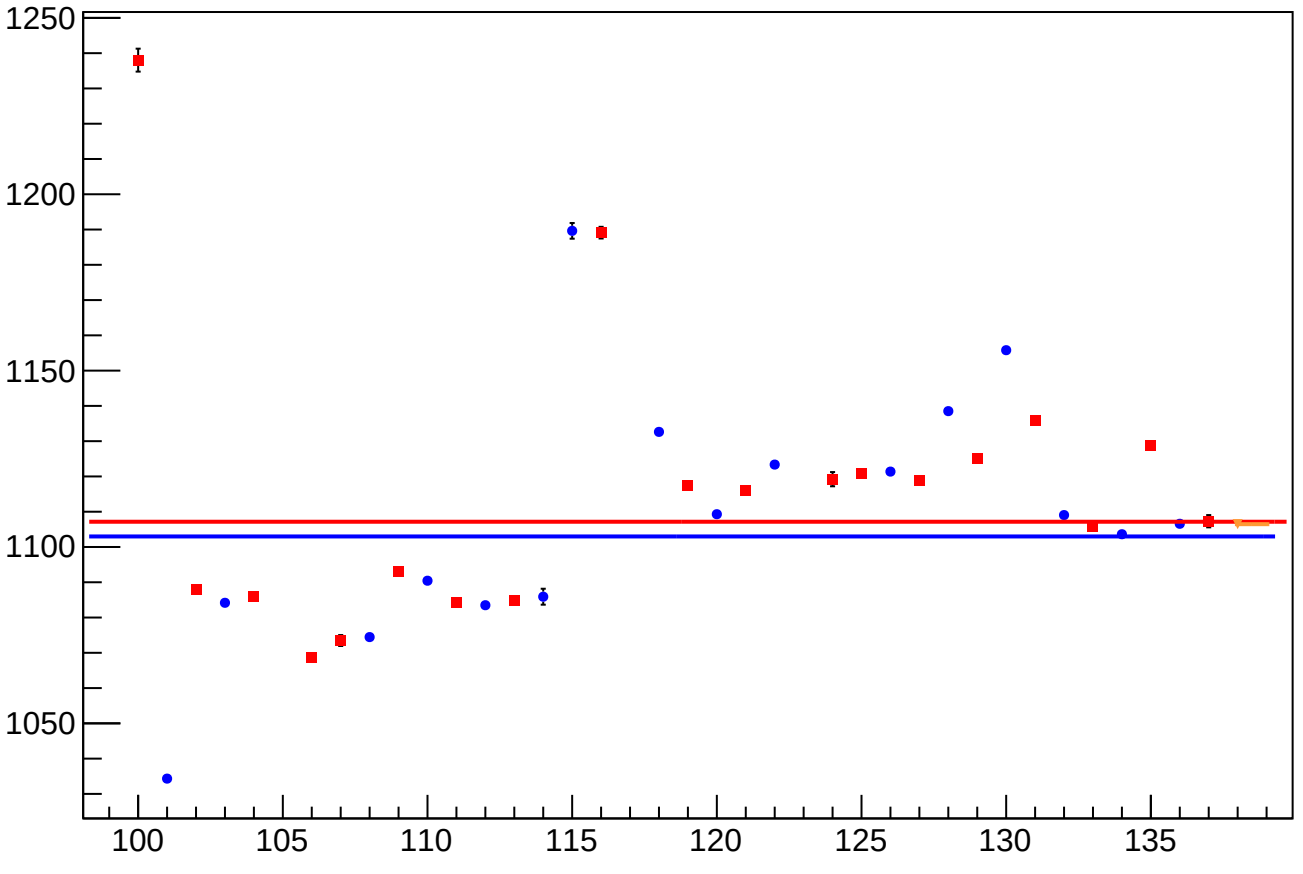
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1617.491+/-0.438 χ^2/NDF:691725.3/15

Out: 1691.472+/-0.423 χ^2/NDF:449748.7/19

All: 1655.711+/-0.304 χ^2/NDF: 1156239.2/35


eigen_cor_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
105
110
115
120
125
130
135
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 157.600+/-1252.509 χ²/NDF:0.0/0
Right Out: 2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 157.600+/-1252.509 χ²/NDF: 0.0/0
Right: 2409.773+/-287.639 χ²/NDF: 23.4/34
In: 2753.123+/-409.837 χ²/NDF:9.5/15
Out: 1895.811+/-384.317 χ²/NDF:14.7/19
All: 2296.945+/-280.341 χ²/NDF: 26.5/35



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1106.470+/-0.886 χ^2/NDF:0.0/0

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

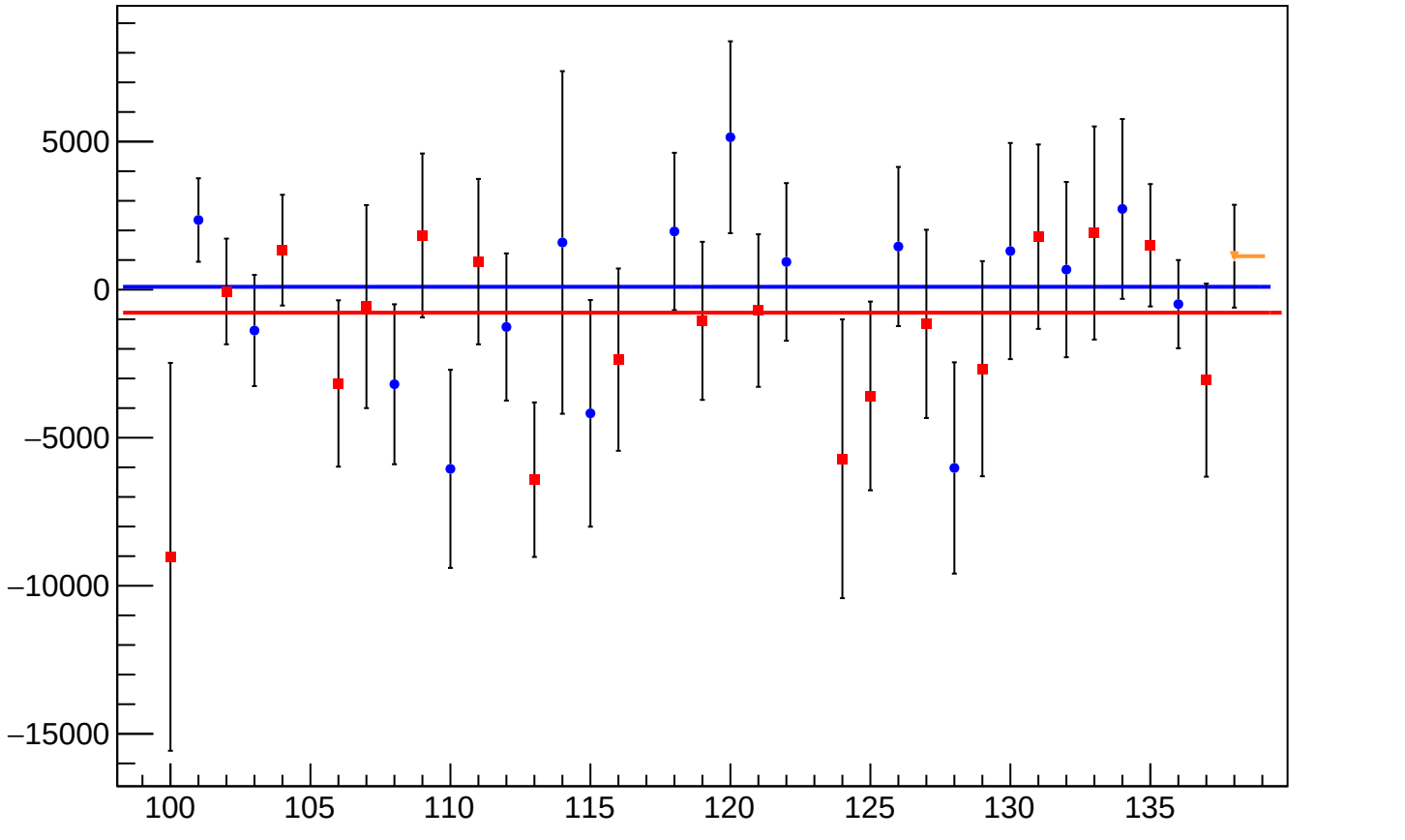
Left: 1106.470+/-0.886 χ^2/NDF: 0.0/0

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1102.988+/-0.290 χ^2/NDF:13223.8/15

Out: 1107.094+/-0.272 χ^2/NDF:8683.9/19

All: 1105.173+/-0.198 χ^2/NDF: 22014.6/35



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1129.832+/-1736.220 χ^2/NDF:0.0/0

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

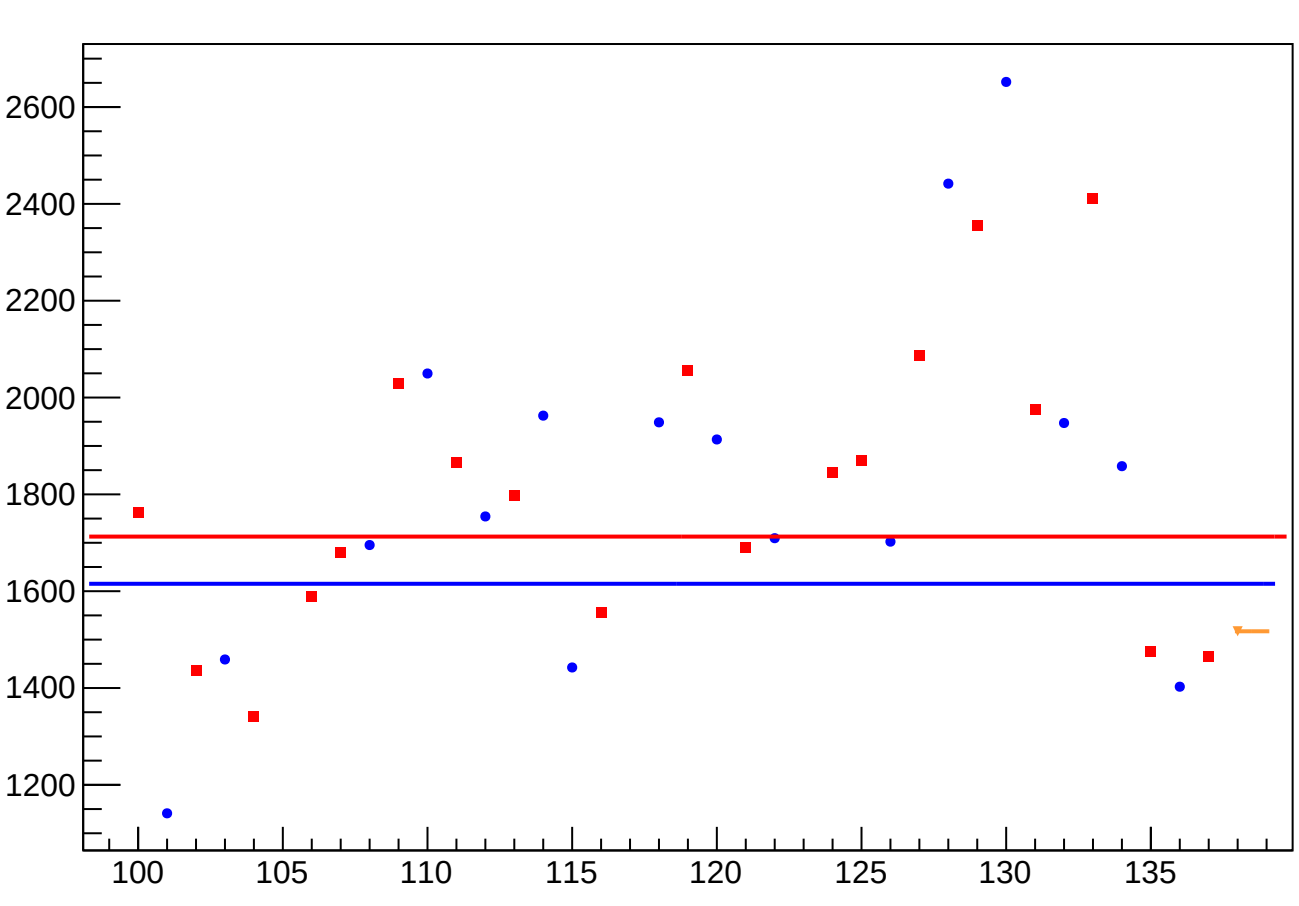
Left: 1129.832+/-1736.220 χ^2/NDF: 0.0/0

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 95.955+/-618.095 χ^2/NDF:16.9/15

Out: -550.795+/-597.993 χ^2/NDF:16.1/19

All: -238.108+/-429.776 χ^2/NDF: 33.6/35



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1517.197+/-1.228 χ^2/NDF:0.0/0

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

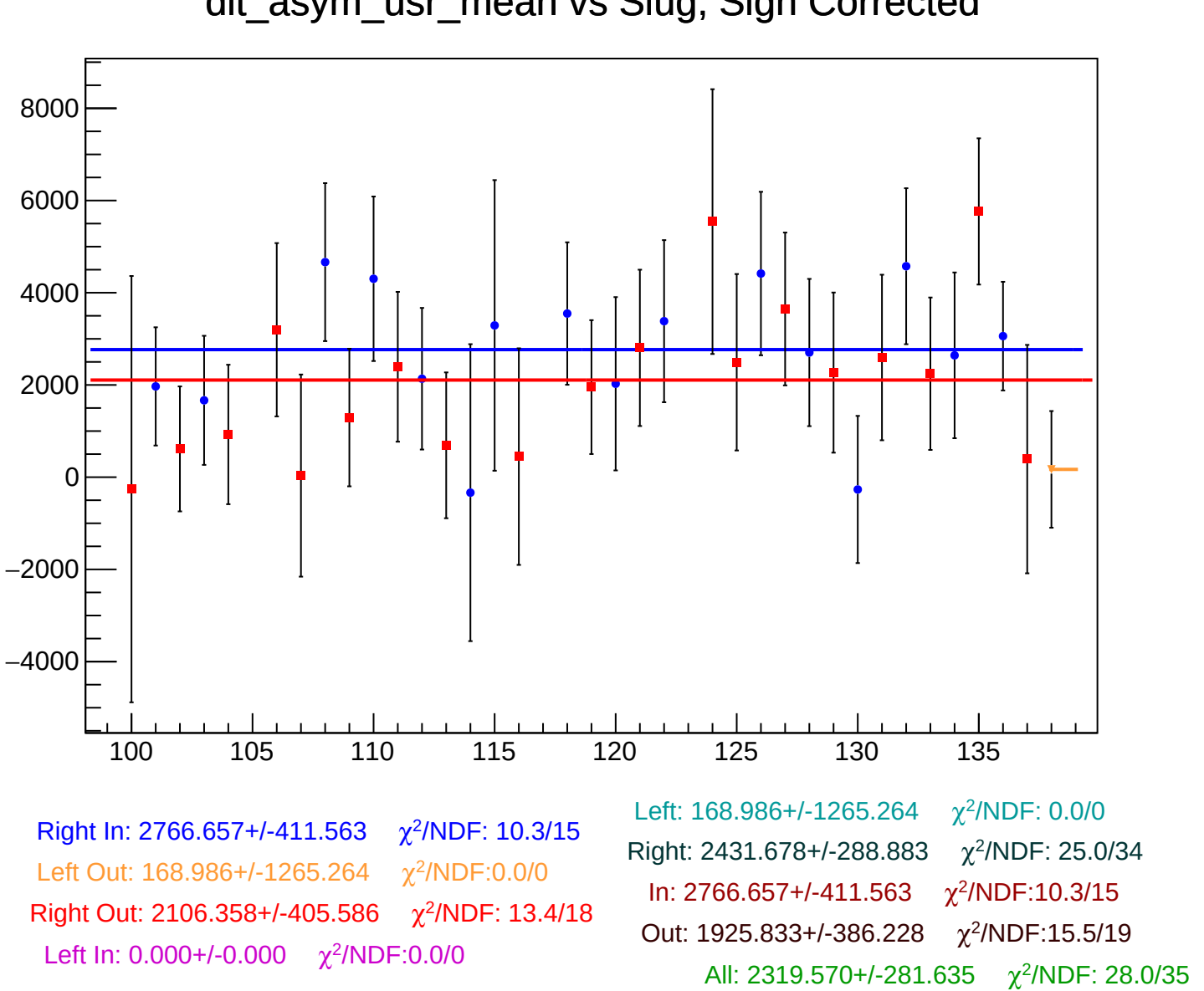
Left: 1517.197+/-1.228 χ^2/NDF: 0.0/0

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

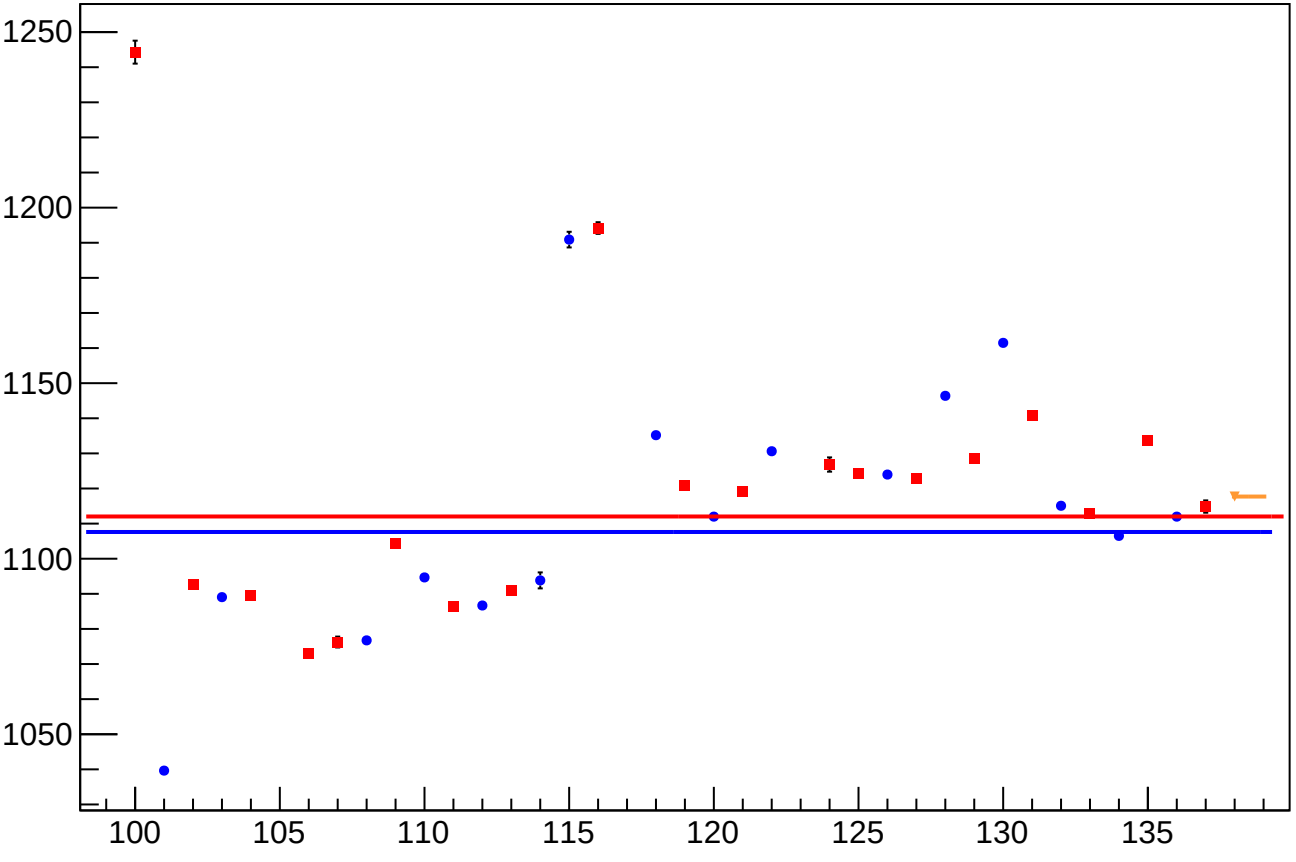
In: 1615.316+/-0.437 χ^2/NDF:693630.0/15

Out: 1689.595+/-0.423 χ^2/NDF:450437.8/19

All: 1653.683+/-0.304 χ^2/NDF: 1158986.9/35


dit_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
105
110
115
120
125
130
135
Right In: 2766.657+/-411.563 χ²/NDF: 10.3/15
Left Out: 168.986+/-1265.264 χ²/NDF:0.0/0
Right Out: 2106.358+/-405.586 χ²/NDF: 13.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 168.986+/-1265.264 χ²/NDF: 0.0/0
Right: 2431.678+/-288.883 χ²/NDF: 25.0/34
In: 2766.657+/-411.563 χ²/NDF:10.3/15
Out: 1925.833+/-386.228 χ²/NDF:15.5/19
All: 2319.570+/-281.635 χ²/NDF: 28.0/35

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1117.707+/-0.895 χ^2/NDF:0.0/0

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

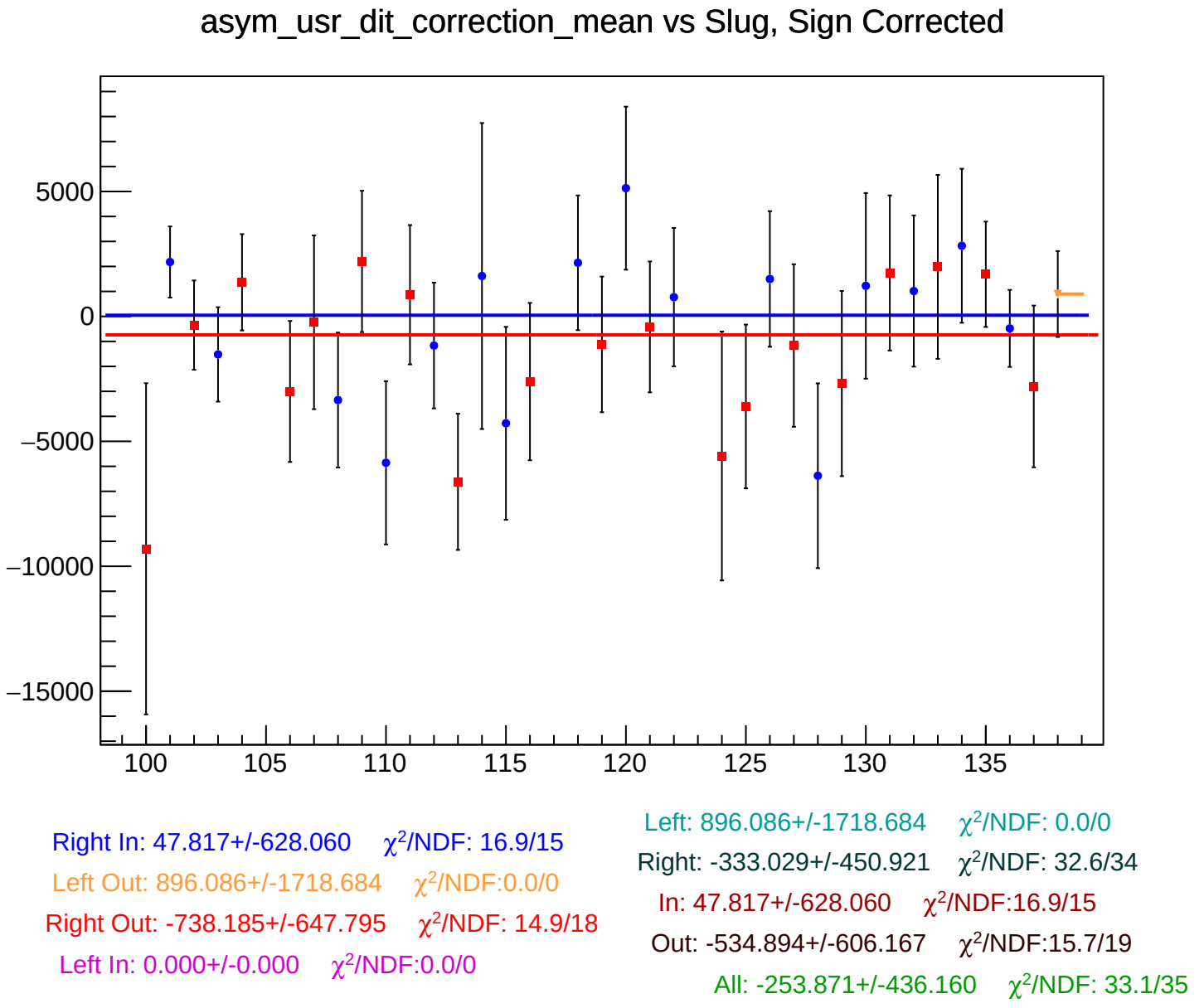
Left: 1117.707+/-0.895 χ^2/NDF: 0.0/0

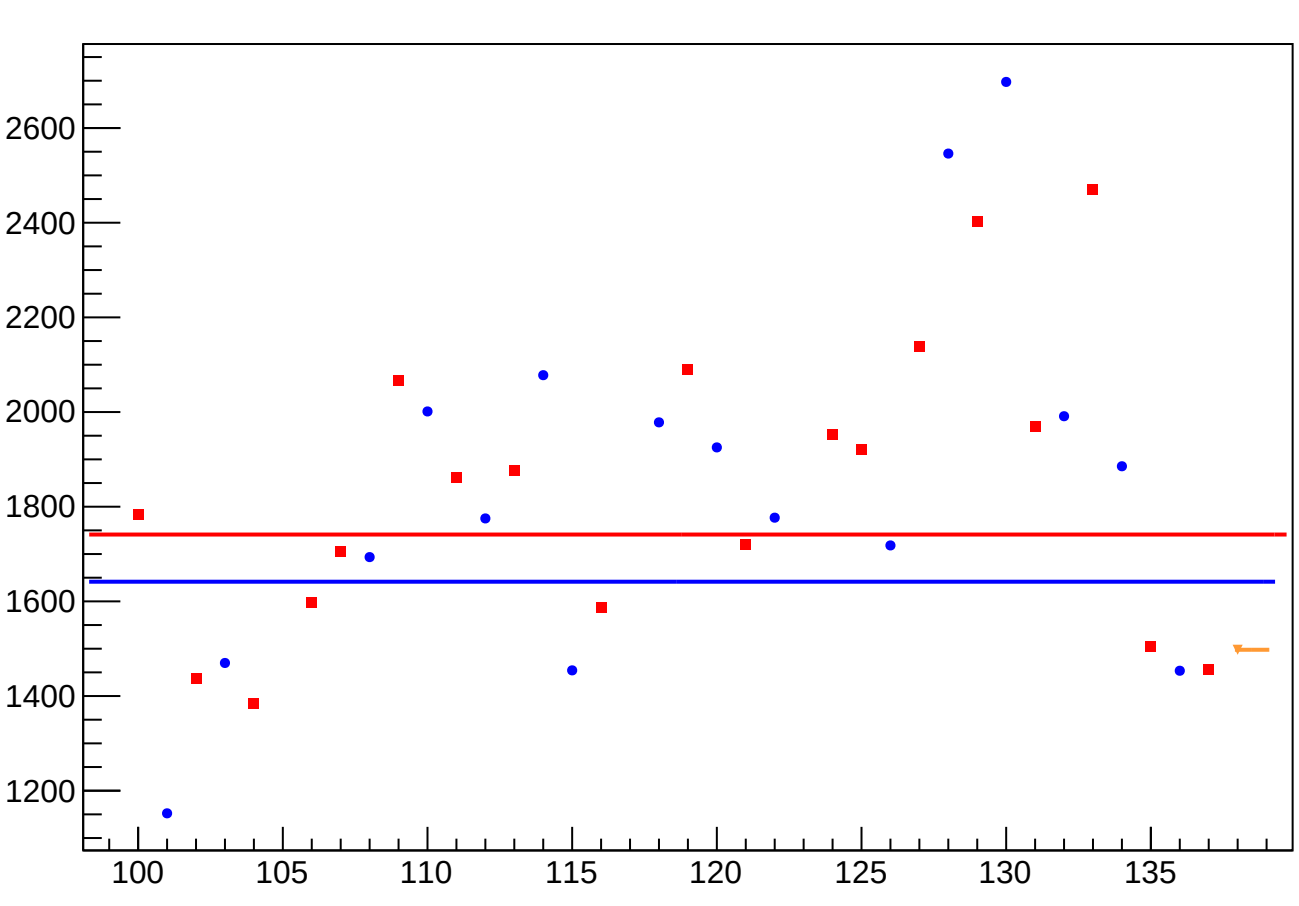
Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1107.613+/-0.291 χ^2/NDF:13220.8/15

Out: 1112.558+/-0.273 χ^2/NDF:8690.0/19

All: 1110.243+/-0.199 χ^2/NDF: 22064.3/35


asym_usr_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
Right In: 47.817+/-628.060 χ²/NDF: 16.9/15
Left Out: 896.086+/-1718.684 χ²/NDF:0.0/0
Right Out: -738.185+/-647.795 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 896.086+/-1718.684 χ²/NDF: 0.0/0
Right: -333.029+/-450.921 χ²/NDF: 32.6/34
In: 47.817+/-628.060 χ²/NDF:16.9/15
Out: -534.894+/-606.167 χ²/NDF:15.7/19
All: -253.871+/-436.160 χ²/NDF: 33.1/35



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1497.751+/-1.215 χ^2/NDF:0.0/0

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

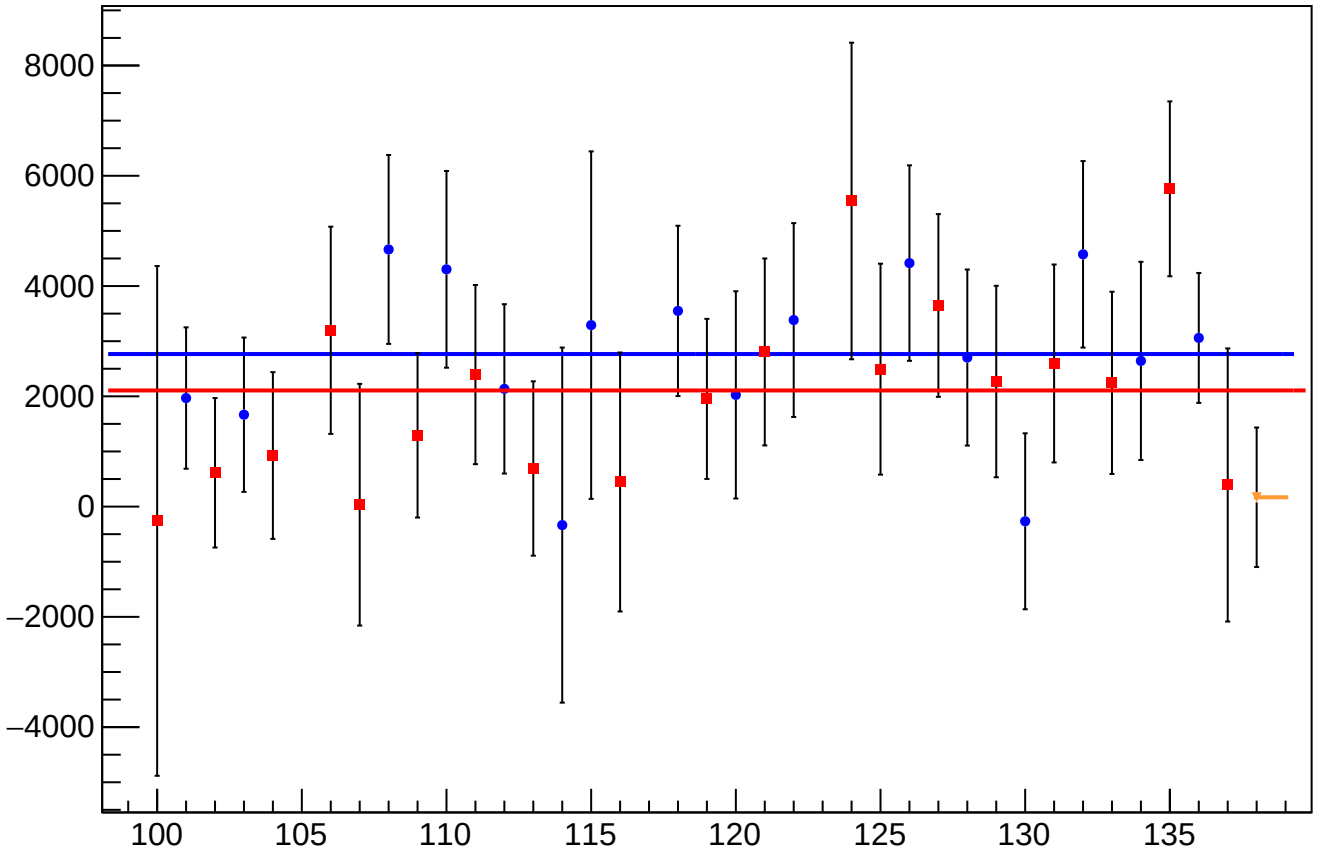
Left: 1497.751+/-1.215 χ^2/NDF: 0.0/0

Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1641.538+/-0.444 χ^2/NDF:701311.4/15

Out: 1710.917+/-0.429 χ^2/NDF:473473.4/19

All: 1677.458+/-0.308 χ^2/NDF: 1187420.2/35



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 168.992+/-1265.264 χ^2/NDF:0.0/0

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

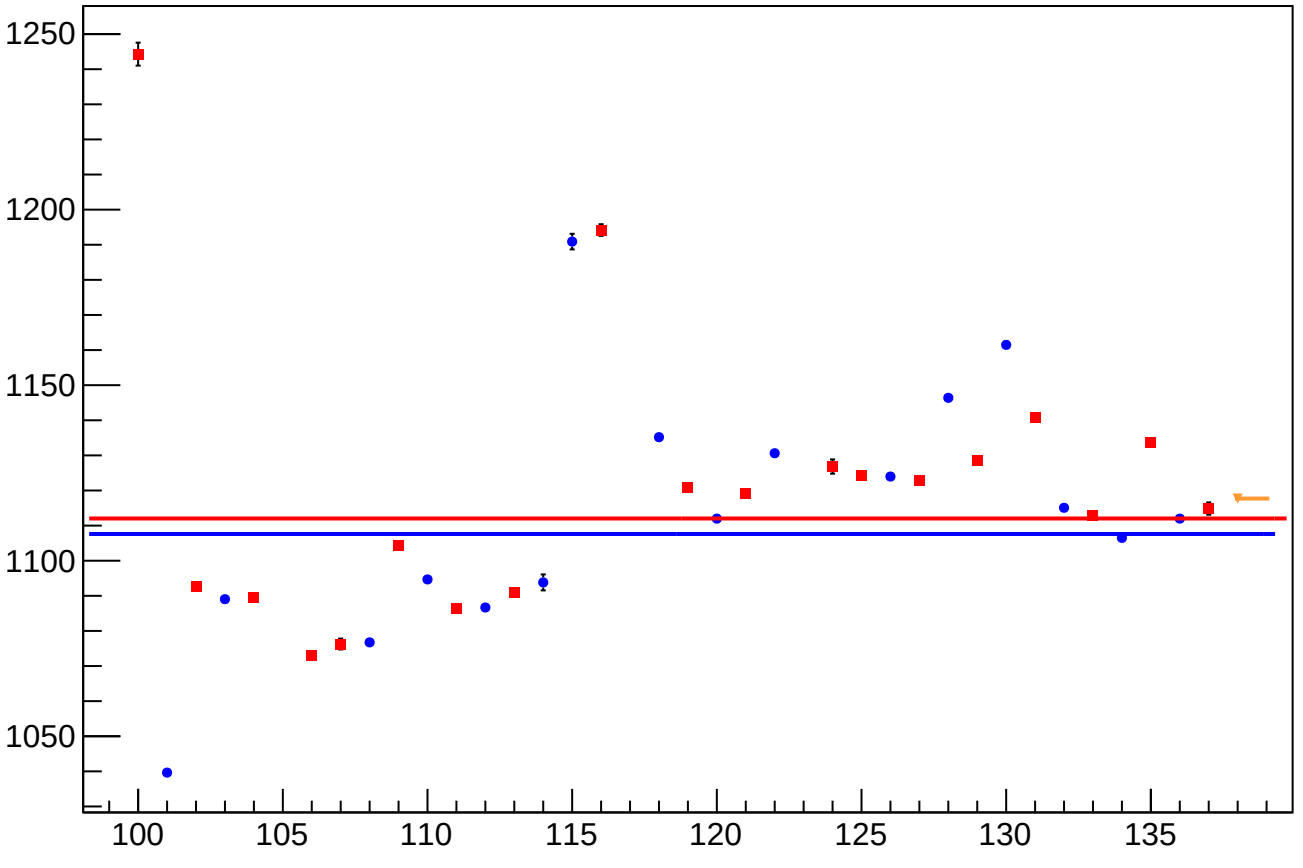
Left: 168.992+/-1265.264 χ^2/NDF: 0.0/0

Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2766.656+/-411.563 χ^2/NDF:10.3/15

Out: 1925.835+/-386.228 χ^2/NDF:15.5/19

All: 2319.571+/-281.635 χ^2/NDF: 28.0/35



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1117.707+/-0.895 χ^2/NDF:0.0/0

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

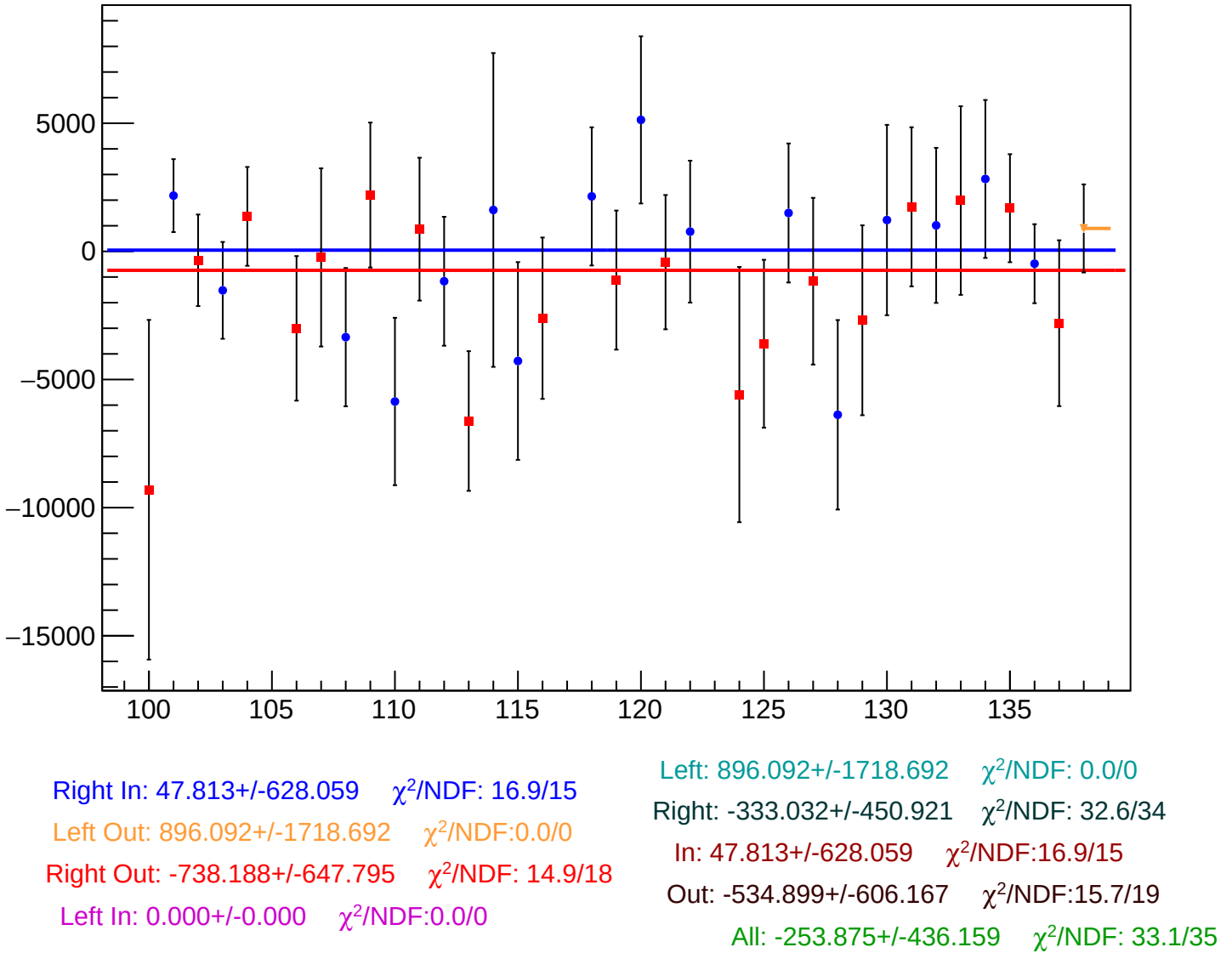
Left: 1117.707+/-0.895 χ^2/NDF: 0.0/0

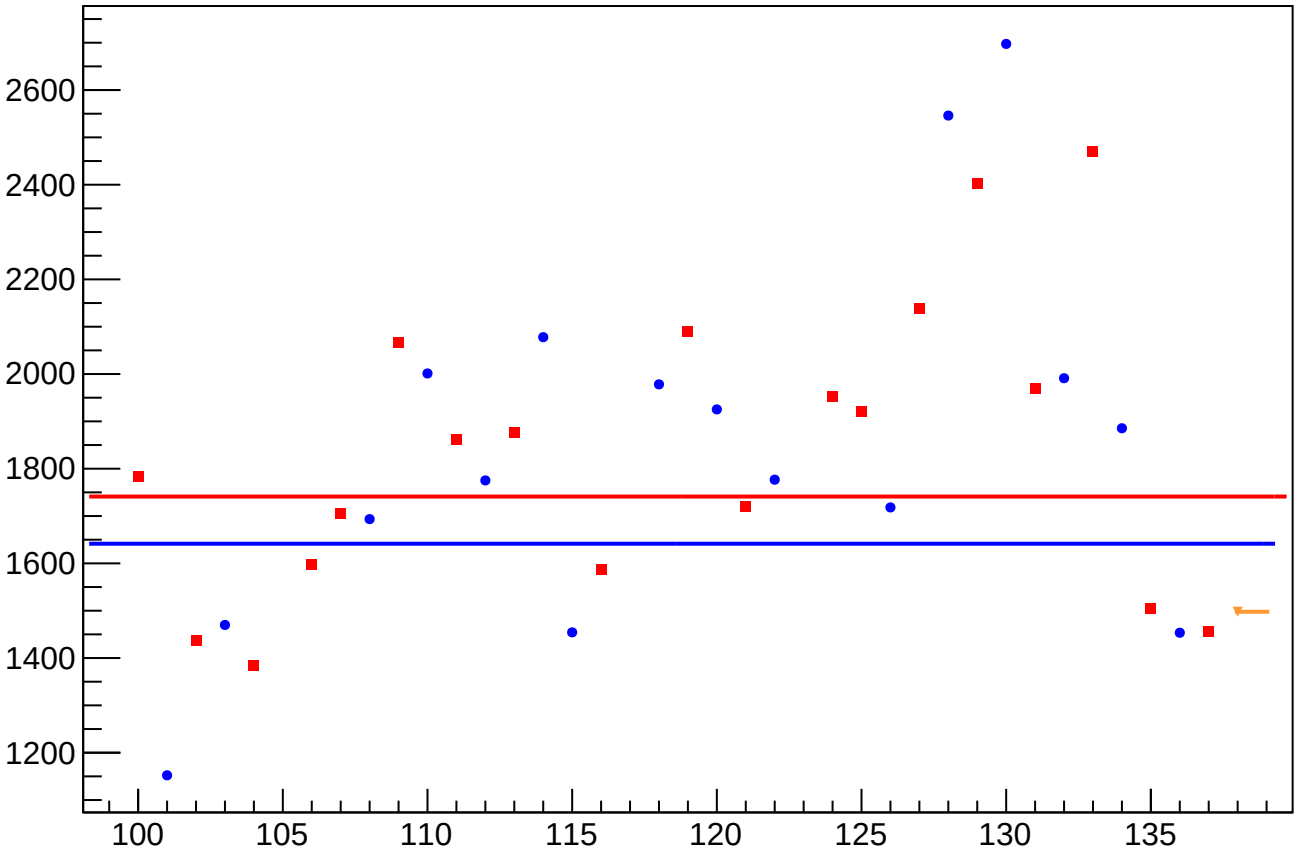
Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1107.613+/-0.291 χ^2/NDF:13220.7/15

Out: 1112.558+/-0.273 χ^2/NDF:8690.0/19

All: 1110.243+/-0.199 χ^2/NDF: 22064.2/35


asym_usr_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
Right In: 47.813+/-628.059 χ²/NDF: 16.9/15
Left Out: 896.092+/-1718.692 χ²/NDF:0.0/0
Right Out: -738.188+/-647.795 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 896.092+/-1718.692 χ²/NDF: 0.0/0
Right: -333.032+/-450.921 χ²/NDF: 32.6/34
In: 47.813+/-628.059 χ²/NDF:16.9/15
Out: -534.899+/-606.167 χ²/NDF:15.7/19
All: -253.875+/-436.159 χ²/NDF: 33.1/35



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1497.758+/-1.215 χ^2/NDF:0.0/0

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

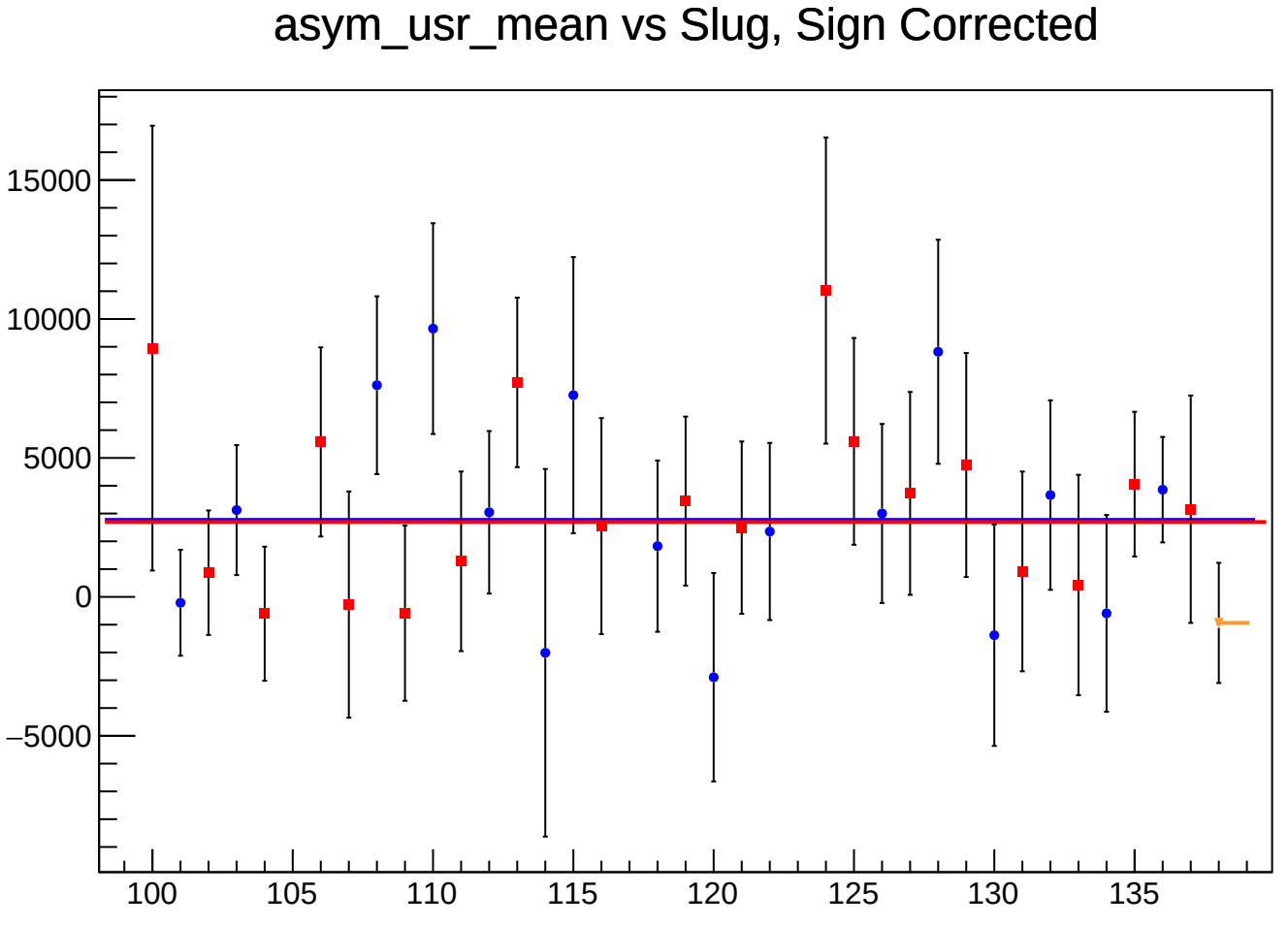
Left: 1497.758+/-1.215 χ^2/NDF: 0.0/0

Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1641.536+/-0.444 χ^2/NDF:701299.1/15

Out: 1710.917+/-0.429 χ^2/NDF:473458.3/19

All: 1677.457+/-0.308 χ^2/NDF: 1187393.6/35



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: -936.623+/-2162.578 χ^2/NDF:0.0/0

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -936.623+/-2162.578 χ^2/NDF: 0.0/0

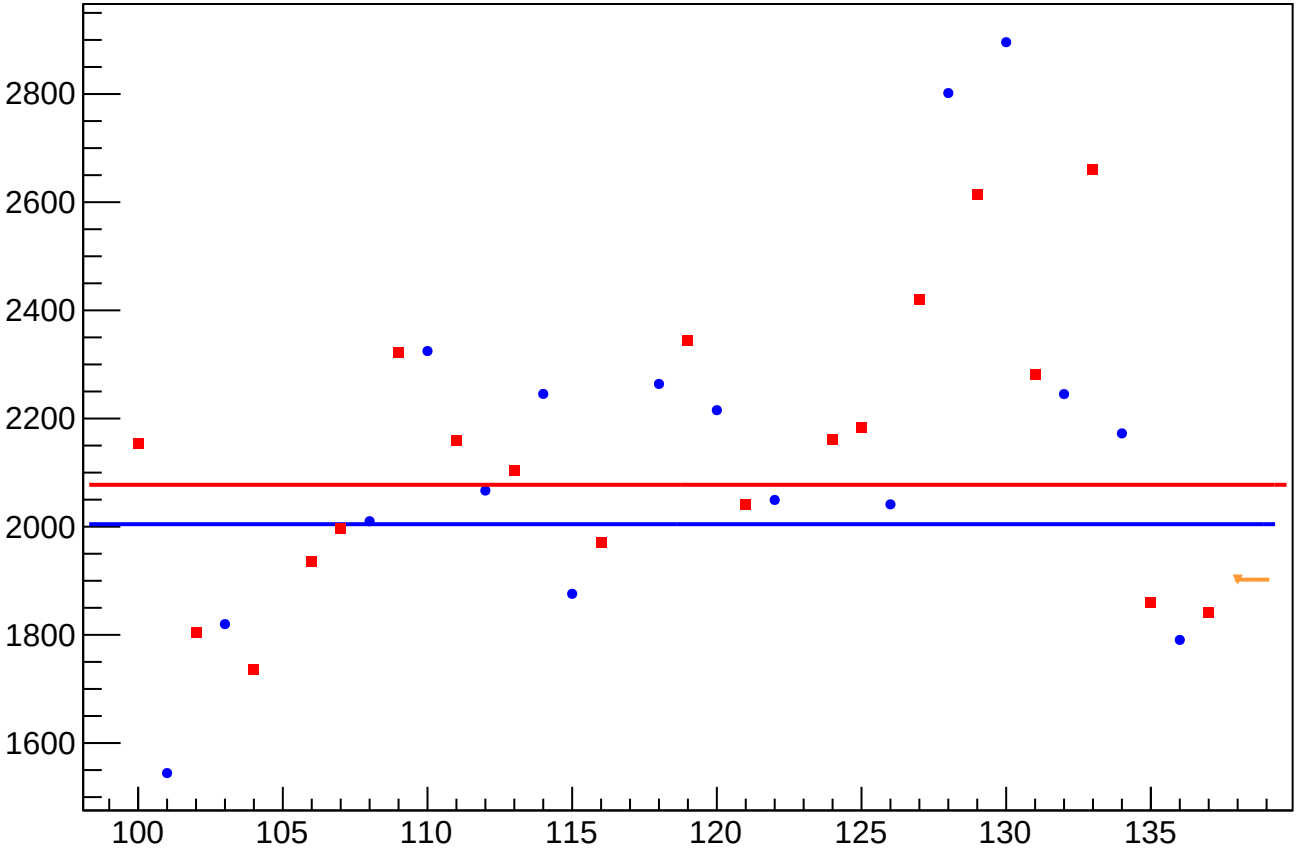
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2769.952+/-757.109 χ^2/NDF:16.4/15

Out: 2288.281+/-721.837 χ^2/NDF:15.0/19

All: 2517.635+/-522.441 χ^2/NDF: 31.7/35

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1902.135+/-1.529 χ^2/NDF:0.0/0

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

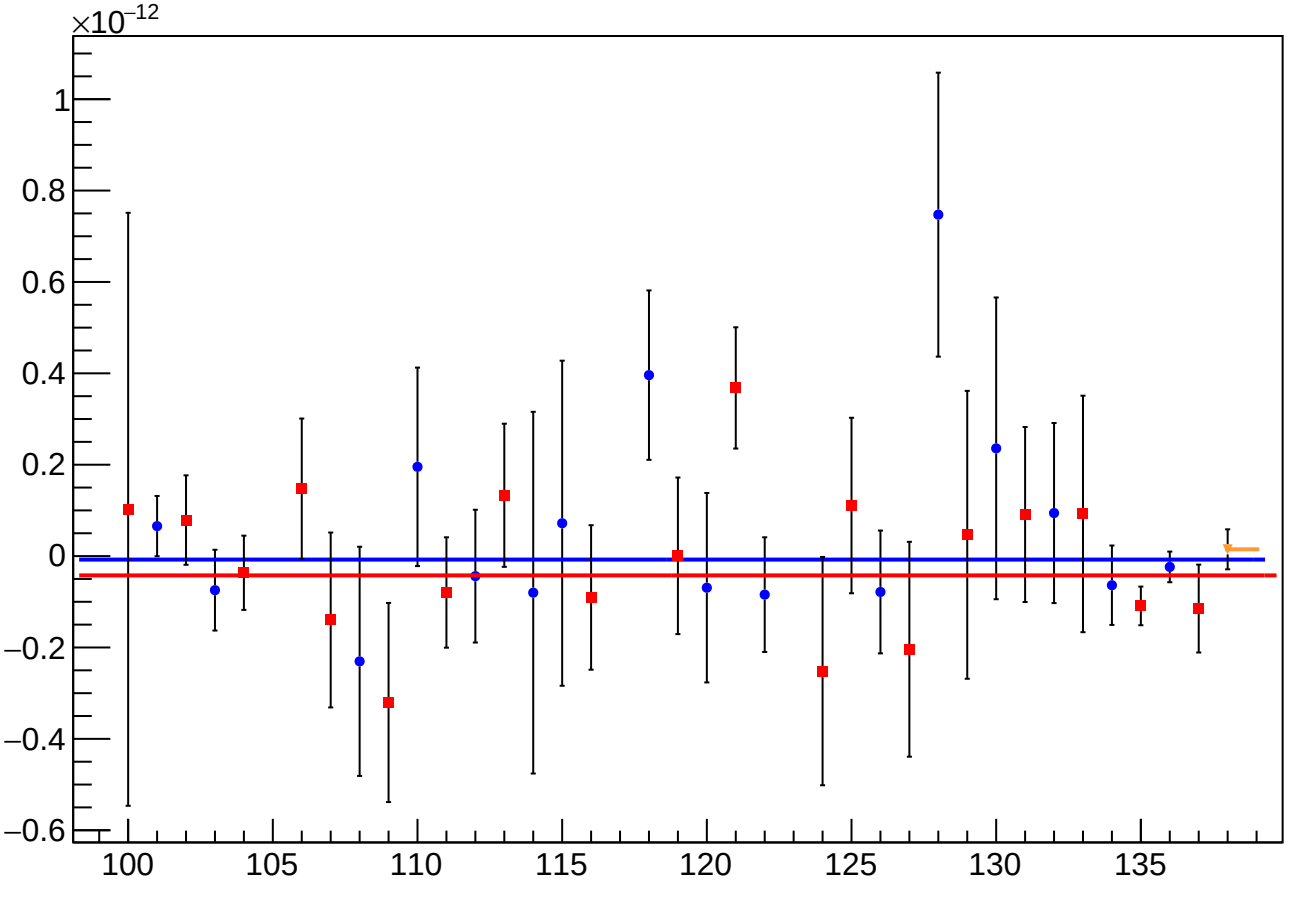
Left: 1902.135+/-1.529 χ^2/NDF: 0.0/0

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 2004.635+/-0.535 χ^2/NDF:387567.3/15

Out: 2057.962+/-0.510 χ^2/NDF:242168.2/19

All: 2032.570+/-0.369 χ^2/NDF: 634933.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

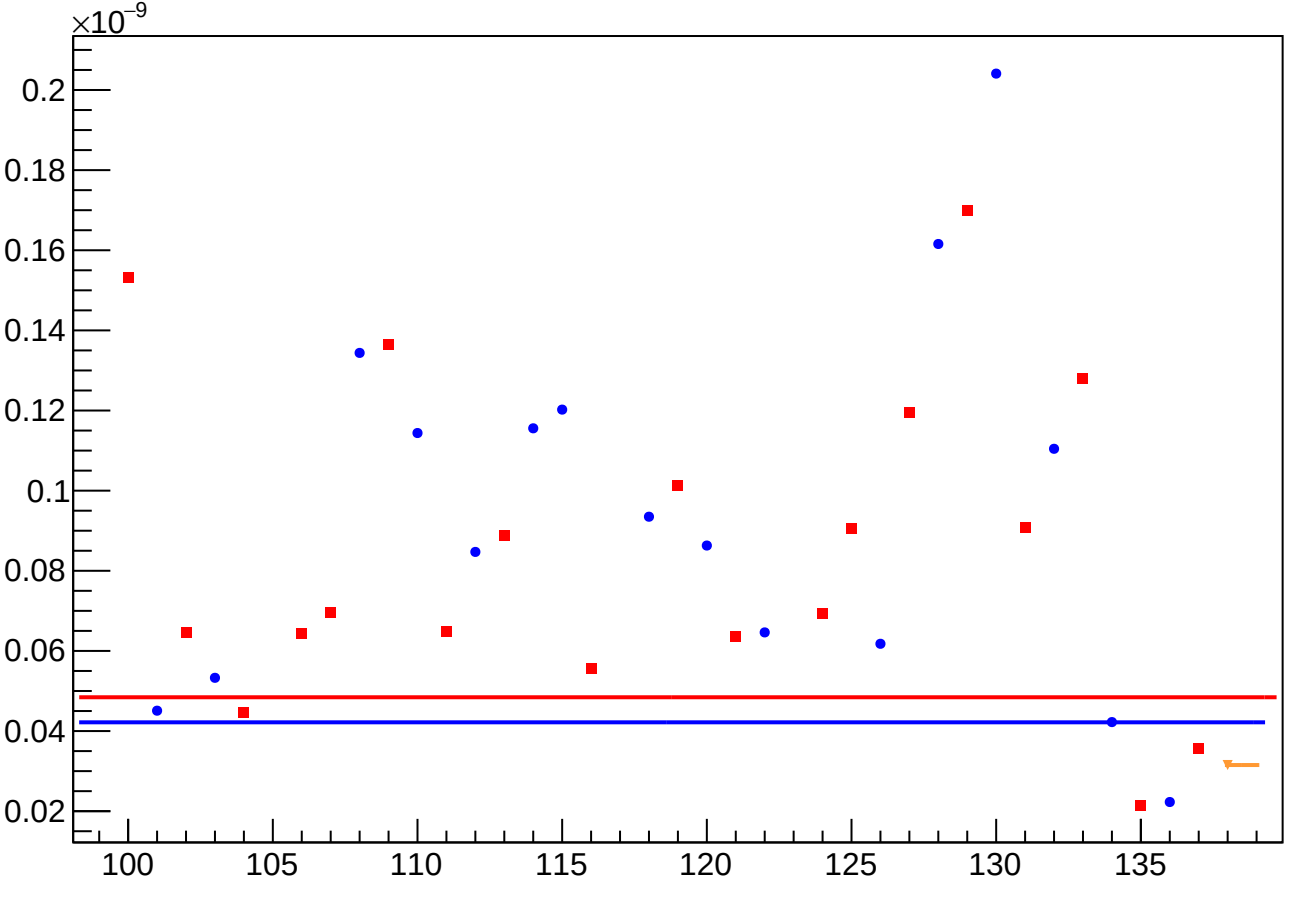
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:16.5/15

Out: -0.000+/-0.000 χ^2/NDF:23.0/19

All: -0.000+/-0.000 χ^2/NDF: 39.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

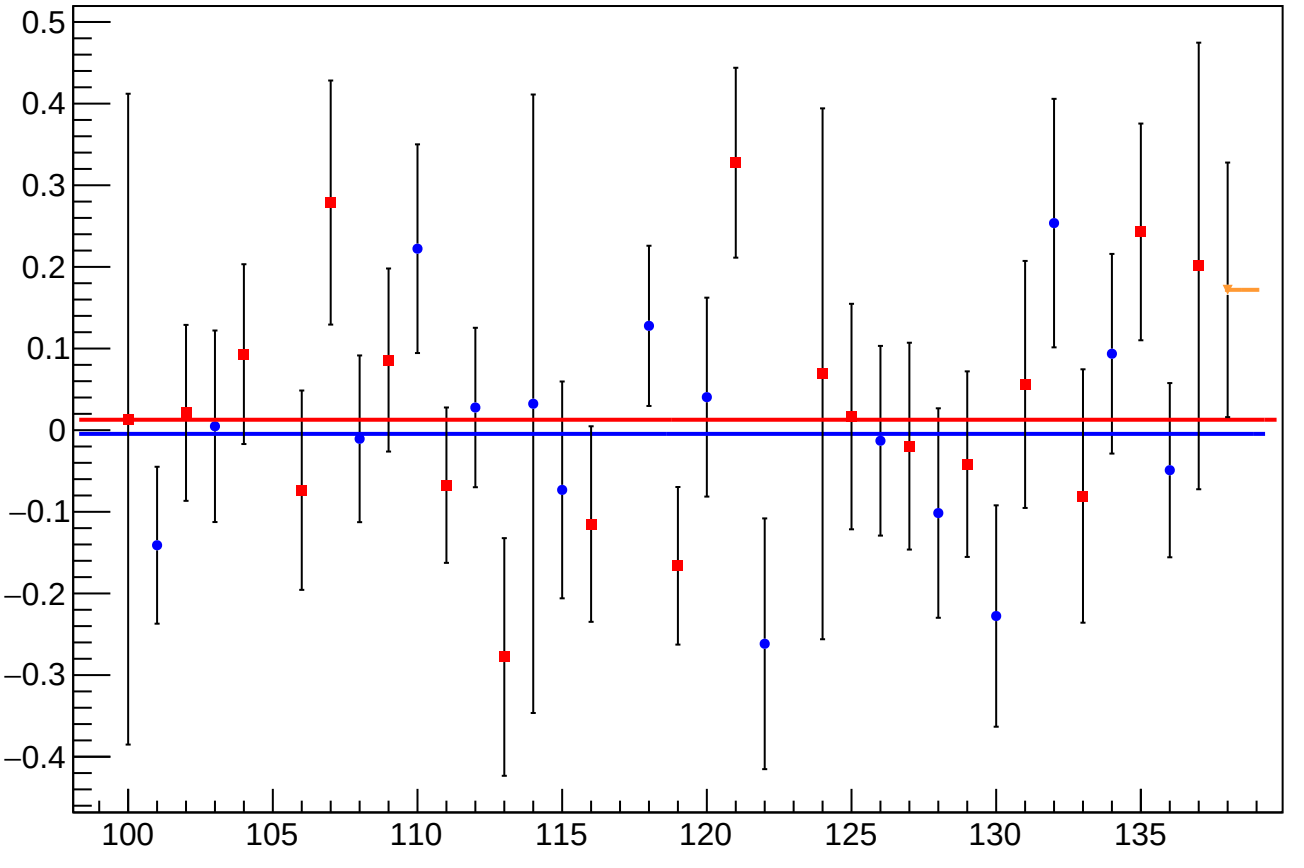
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:2933545.5/15

Out: 0.000+/-0.000 χ^2/NDF:2820887.9/19

All: 0.000+/-0.000 χ^2/NDF: 5758920.2/35



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.172+/-0.156 χ^2/NDF:0.0/0

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

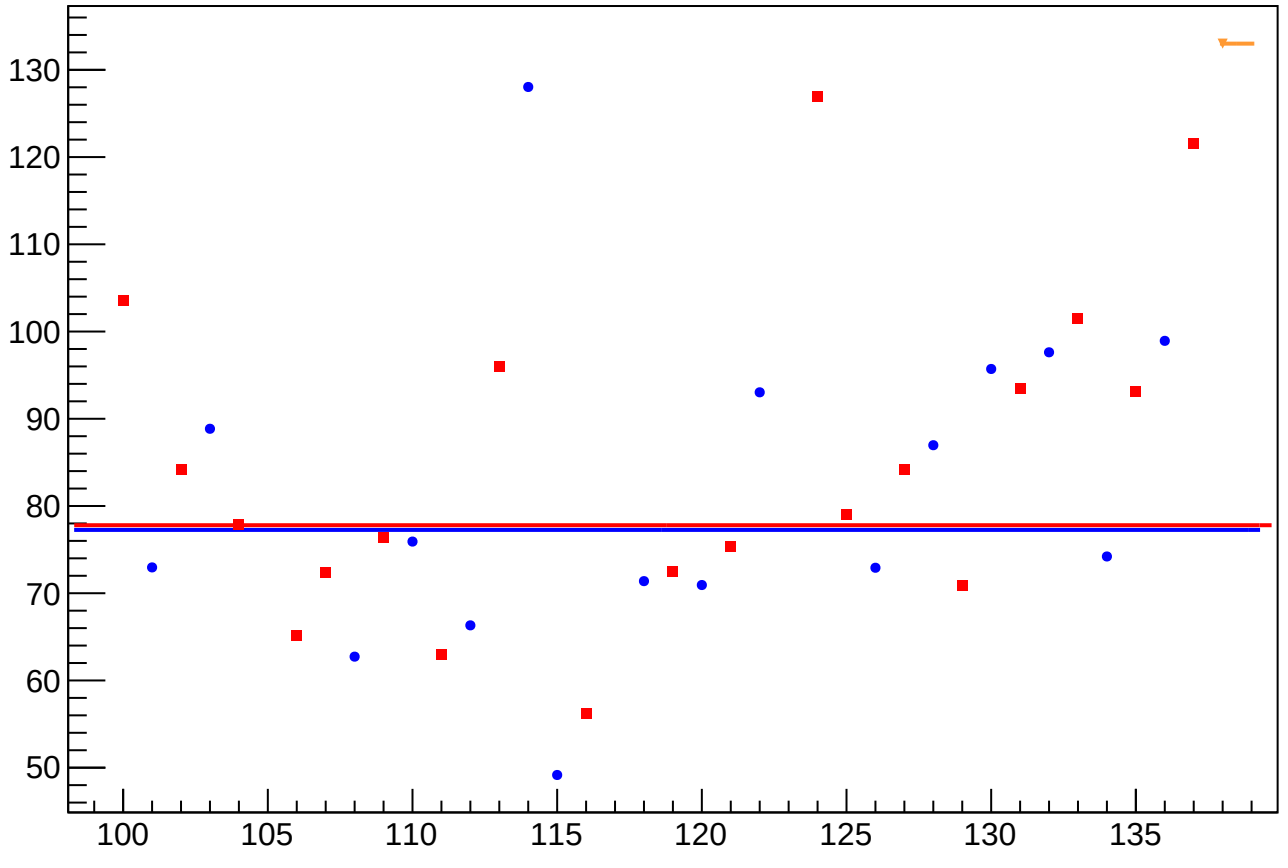
Left: 0.172+/-0.156 χ^2/NDF: 0.0/0

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.005+/-0.030 χ^2/NDF:17.3/15

Out: 0.018+/-0.029 χ^2/NDF:26.5/19

All: 0.007+/-0.021 χ^2/NDF: 44.1/35



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 133.005+/-0.110 χ^2/NDF:0.0/0

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

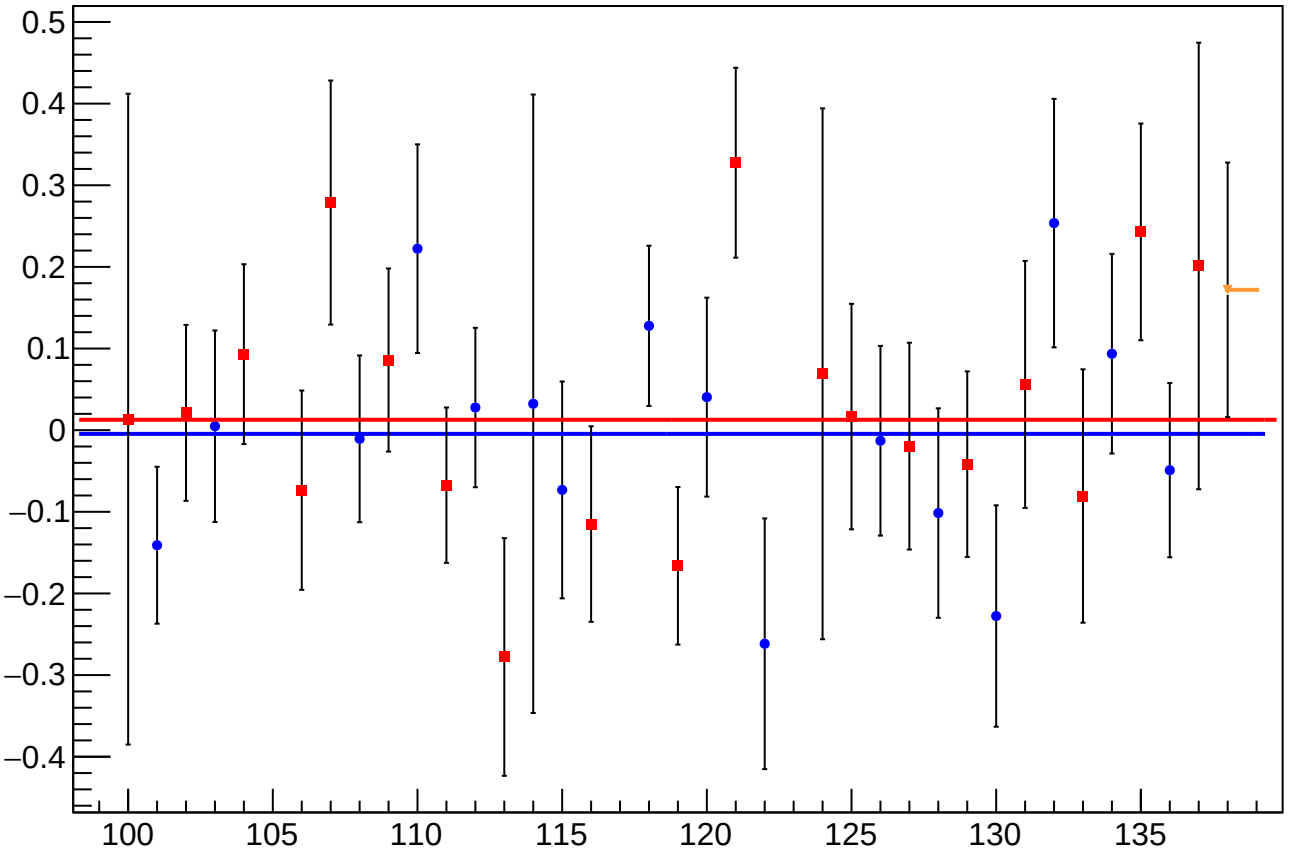
Left: 133.005+/-0.110 χ^2/NDF: 0.0/0

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 77.259+/-0.021 χ^2/NDF:419290.2/15

Out: 79.733+/-0.021 χ^2/NDF:638495.4/19

All: 78.531+/-0.015 χ^2/NDF: 1064758.9/35



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.172+/-0.156 χ^2/NDF:0.0/0

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

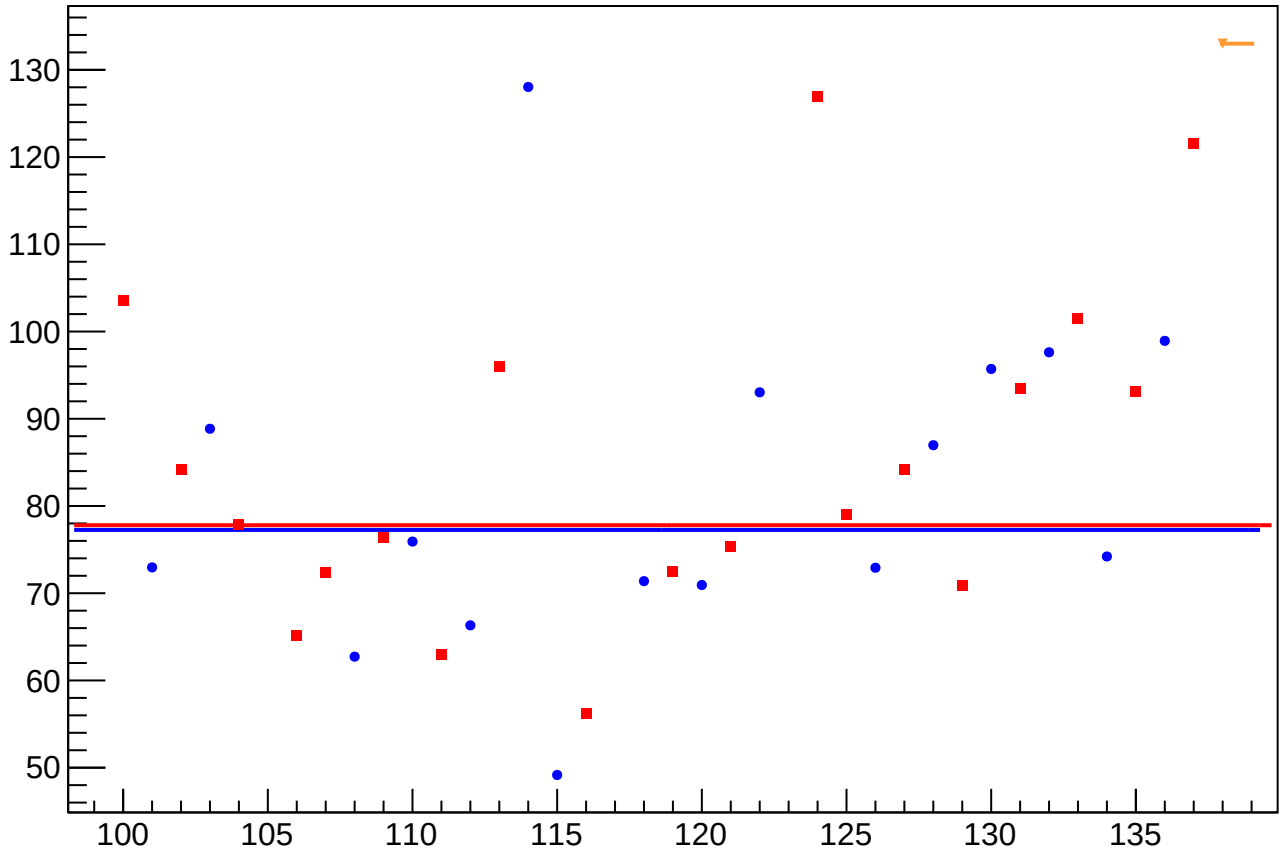
Left: 0.172+/-0.156 χ^2/NDF: 0.0/0

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.005+/-0.030 χ^2/NDF:17.3/15

Out: 0.018+/-0.029 χ^2/NDF:26.5/19

All: 0.007+/-0.021 χ^2/NDF: 44.1/35



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 133.005+/-0.110 χ^2/NDF:0.0/0

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

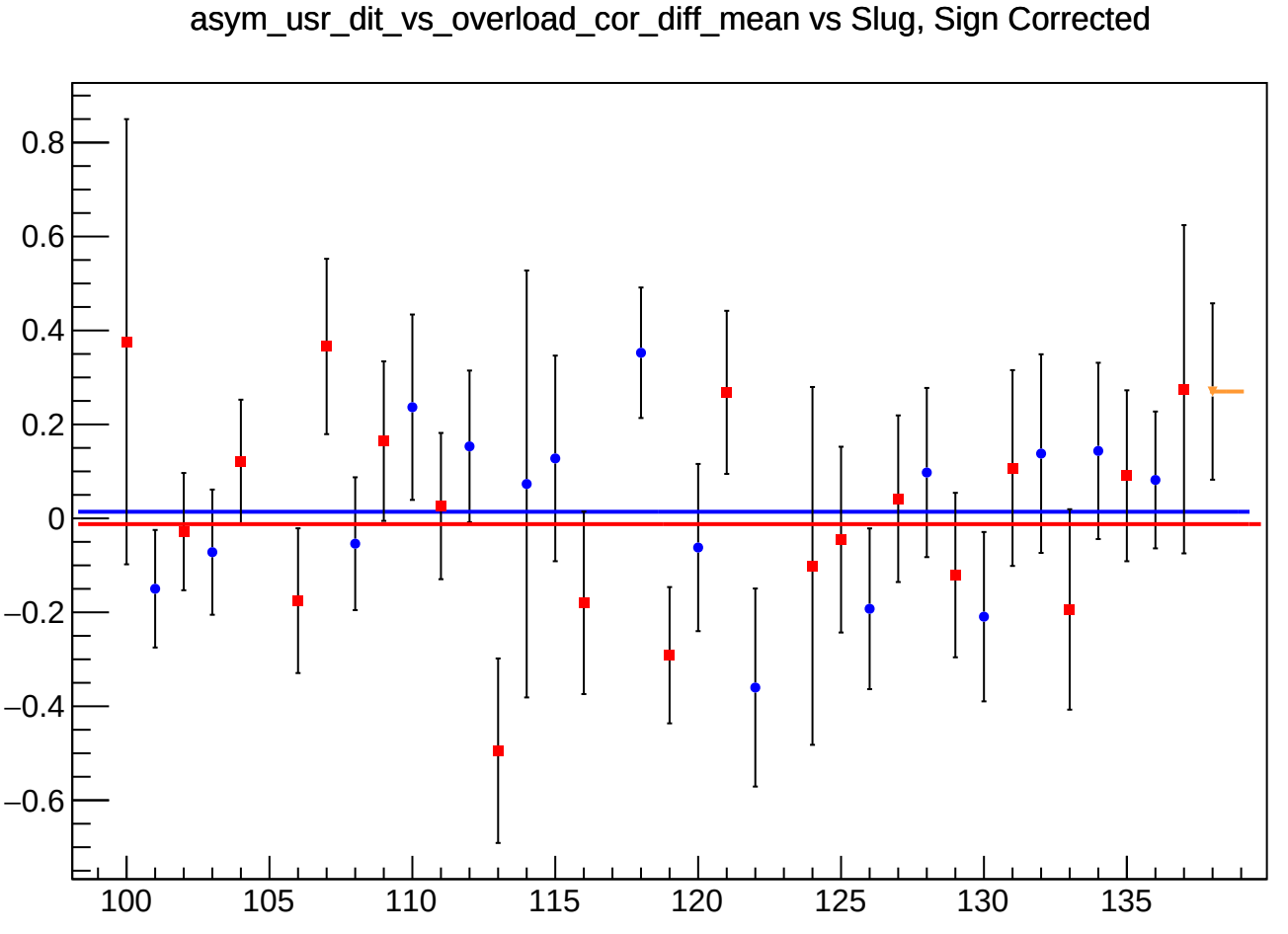
Left: 133.005+/-0.110 χ^2/NDF: 0.0/0

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 77.259+/-0.021 χ^2/NDF:419290.2/15

Out: 79.733+/-0.021 χ^2/NDF:638495.4/19

All: 78.531+/-0.015 χ^2/NDF: 1064758.9/35



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.270+/-0.188 χ^2/NDF:0.0/0

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

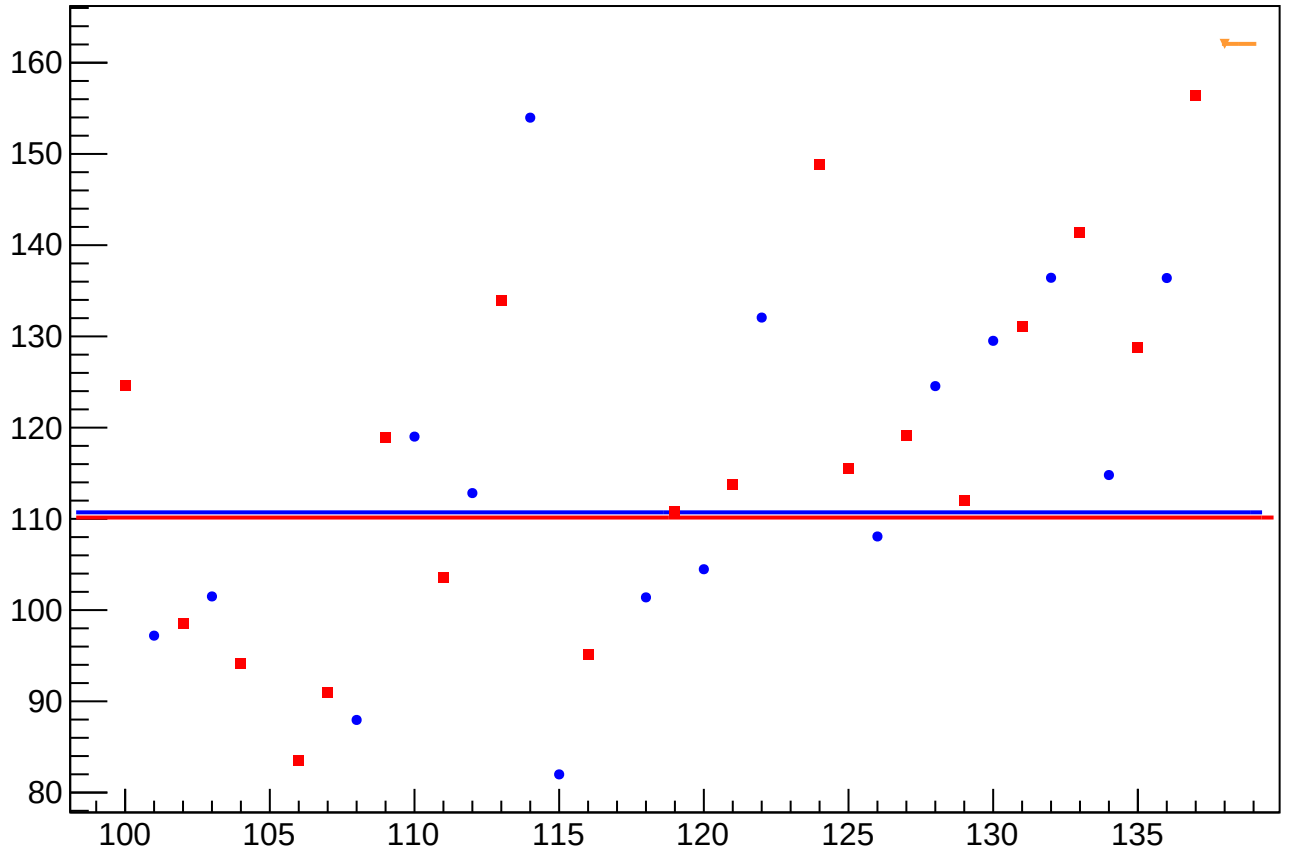
Left: 0.270+/-0.188 χ^2/NDF: 0.0/0

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.014+/-0.042 χ^2/NDF:18.2/15

Out: 0.001+/-0.040 χ^2/NDF:25.9/19

All: 0.007+/-0.029 χ^2/NDF: 44.1/35



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 162.064+/-0.133 χ^2/NDF:0.0/0

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

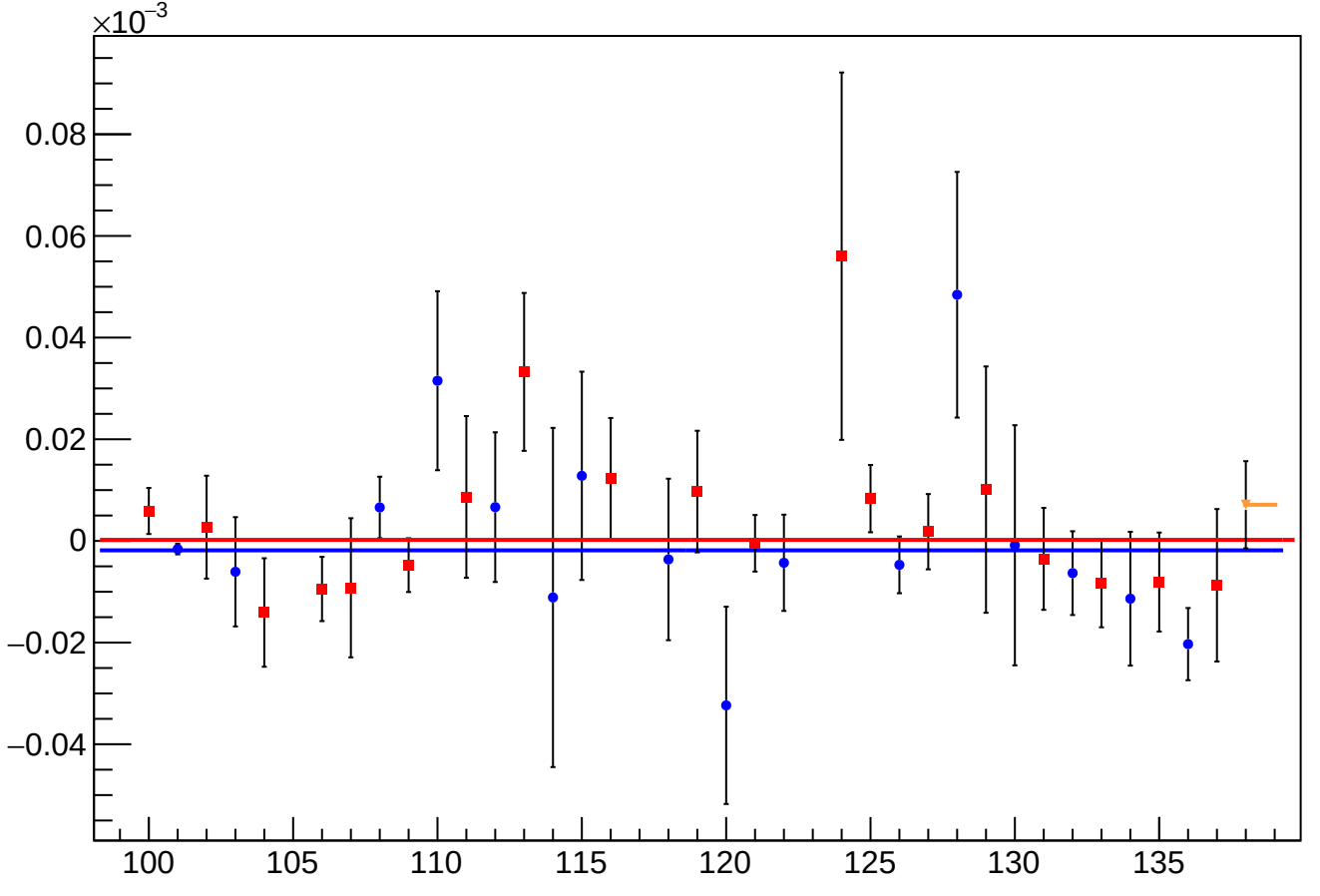
Left: 162.064+/-0.133 χ^2/NDF: 0.0/0

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 110.714+/-0.030 χ^2/NDF:299972.8/15

Out: 112.543+/-0.029 χ^2/NDF:472639.2/19

All: 111.671+/-0.021 χ^2/NDF: 774570.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

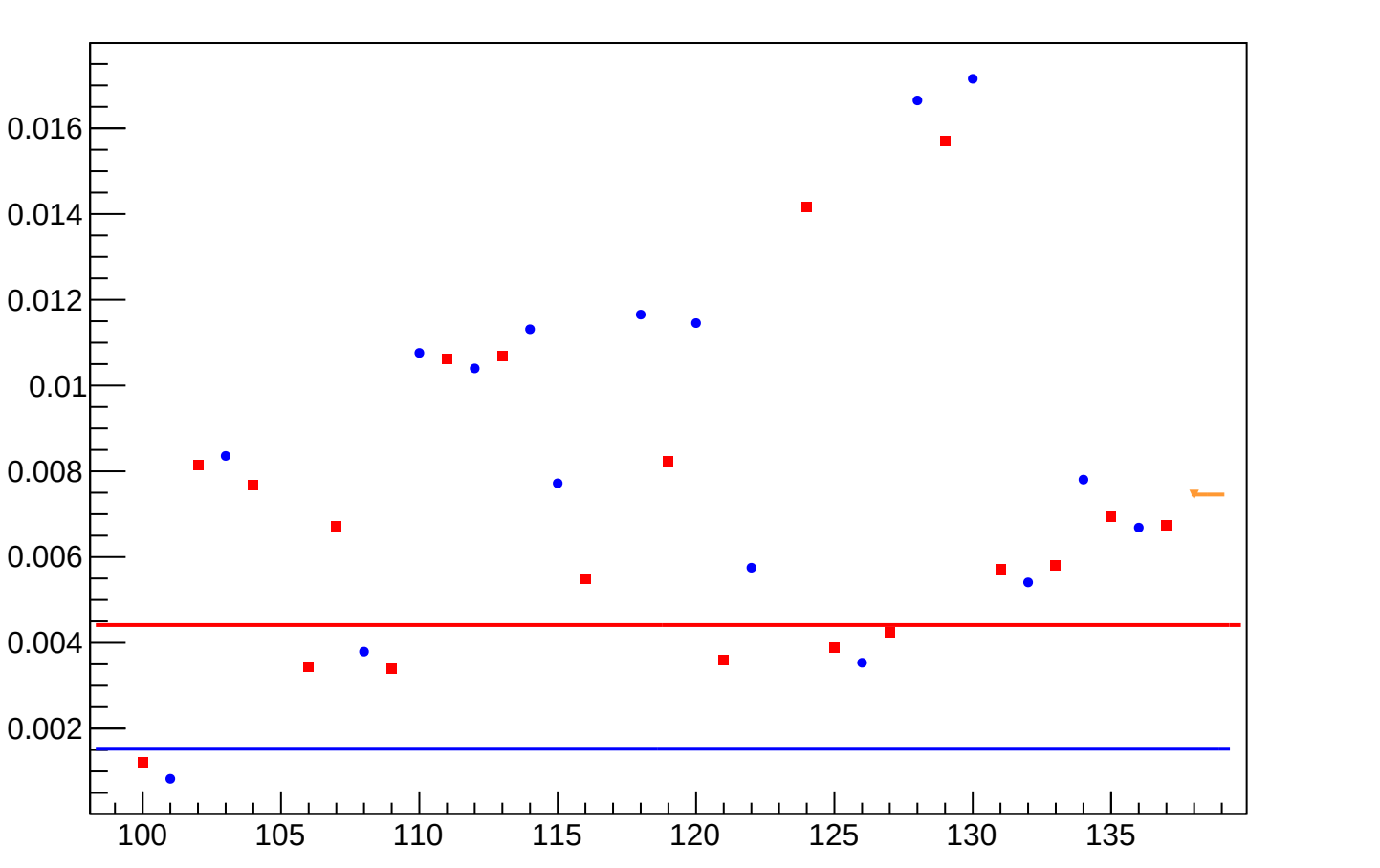
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

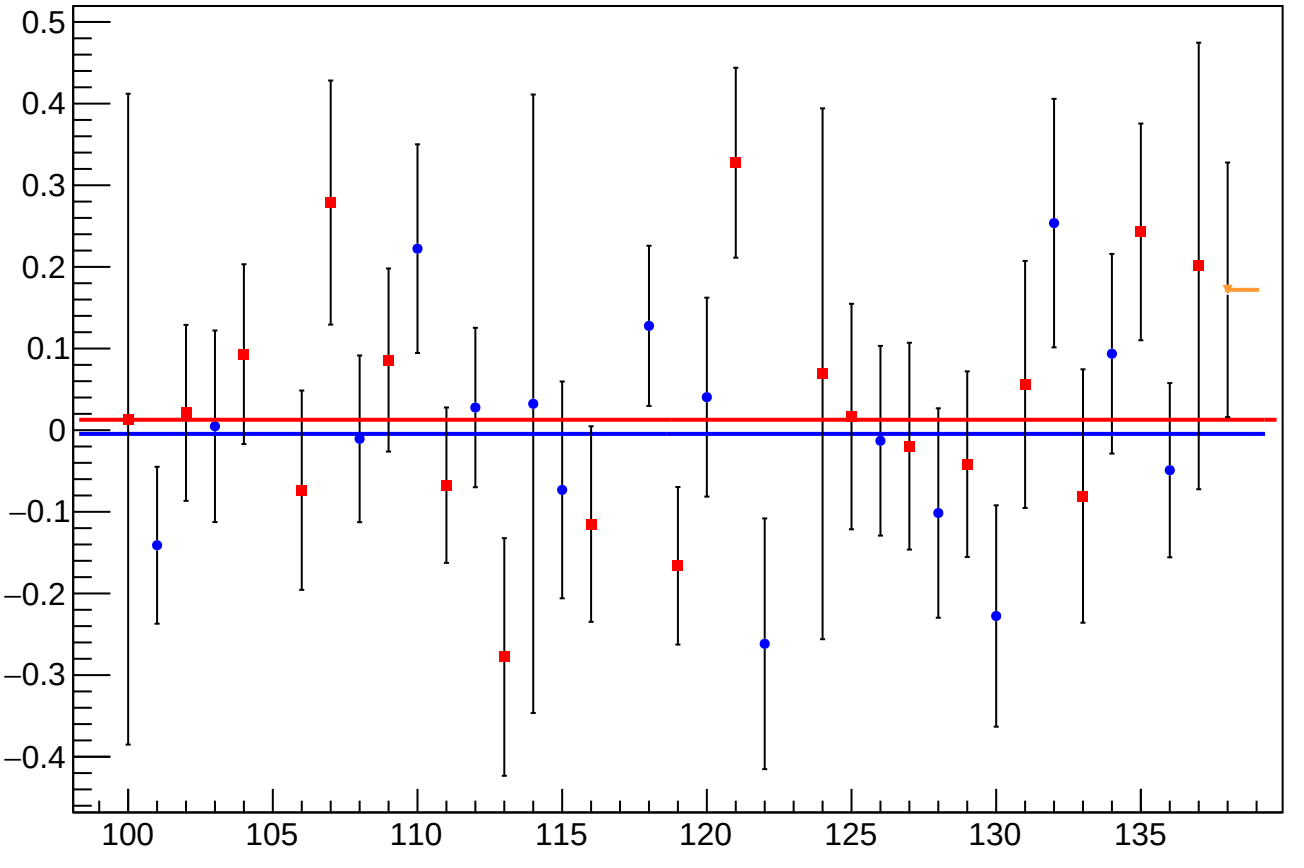
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:21.4/15

Out: 0.000+/-0.000 χ^2/NDF:20.5/19

All: -0.000+/-0.000 χ^2/NDF: 43.2/35


asym_usr_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
Right In: 0.002+/-0.000 χ²/NDF: 9222940.9/15
Left Out: 0.007+/-0.000 χ²/NDF:0.0/0
Right Out: 0.004+/-0.000 χ²/NDF: 3388069.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.007+/-0.000 χ²/NDF: 0.0/0
Right: 0.002+/-0.000 χ²/NDF: 16183584.5/34
In: 0.002+/-0.000 χ²/NDF:9222940.9/15
Out: 0.005+/-0.000 χ²/NDF:3627847.1/19
All: 0.002+/-0.000 χ²/NDF: 16951214.9/35



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.172+/-0.156 χ^2/NDF:0.0/0

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

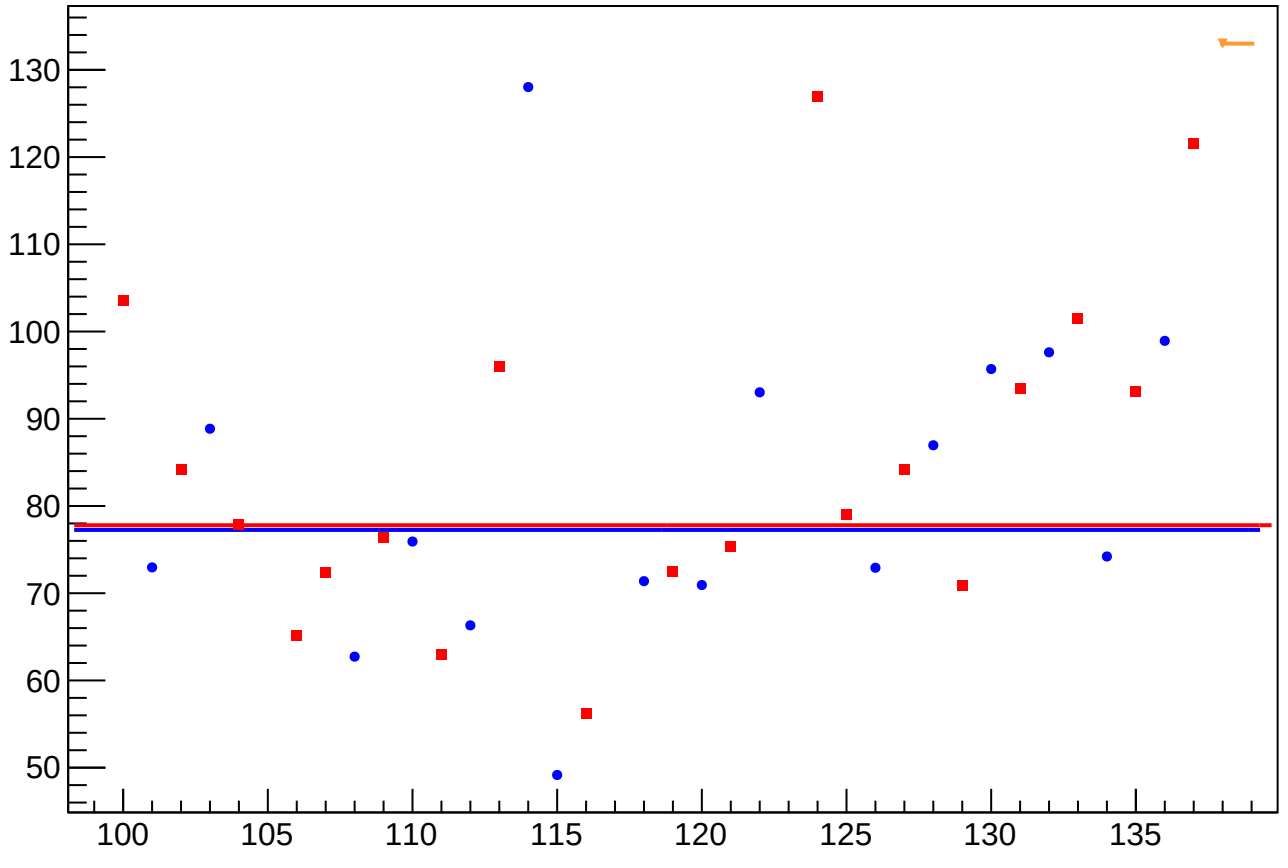
Left: 0.172+/-0.156 χ^2/NDF: 0.0/0

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.005+/-0.030 χ^2/NDF:17.3/15

Out: 0.018+/-0.029 χ^2/NDF:26.5/19

All: 0.007+/-0.021 χ^2/NDF: 44.1/35



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 133.006+/-0.110 χ^2/NDF:0.0/0

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 133.006+/-0.110 χ^2/NDF: 0.0/0

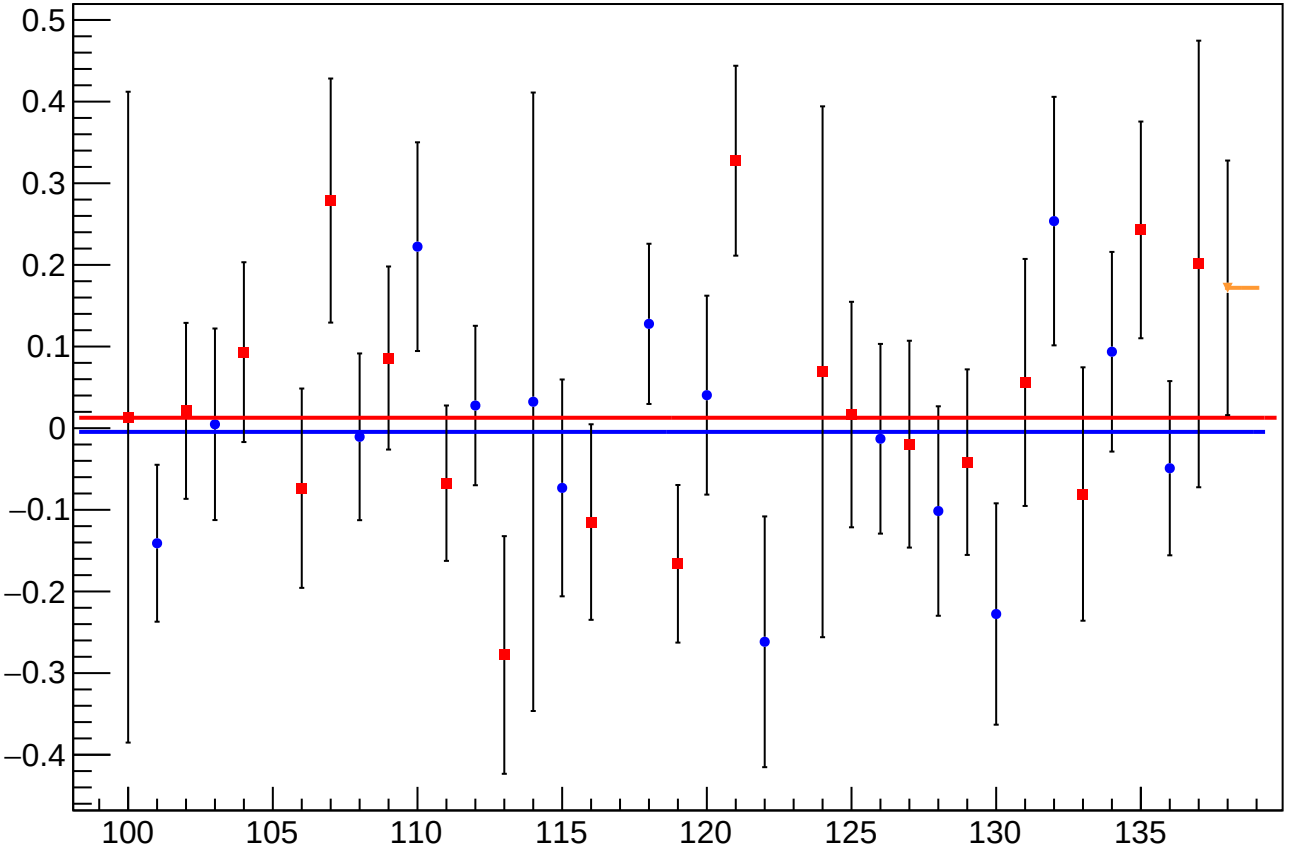
Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 77.257+/-0.021 χ^2/NDF:419276.8/15

Out: 79.731+/-0.021 χ^2/NDF:638510.7/19

All: 78.530+/-0.015 χ^2/NDF: 1064760.8/35

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: 0.172+/-0.156 χ^2/NDF:0.0/0

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

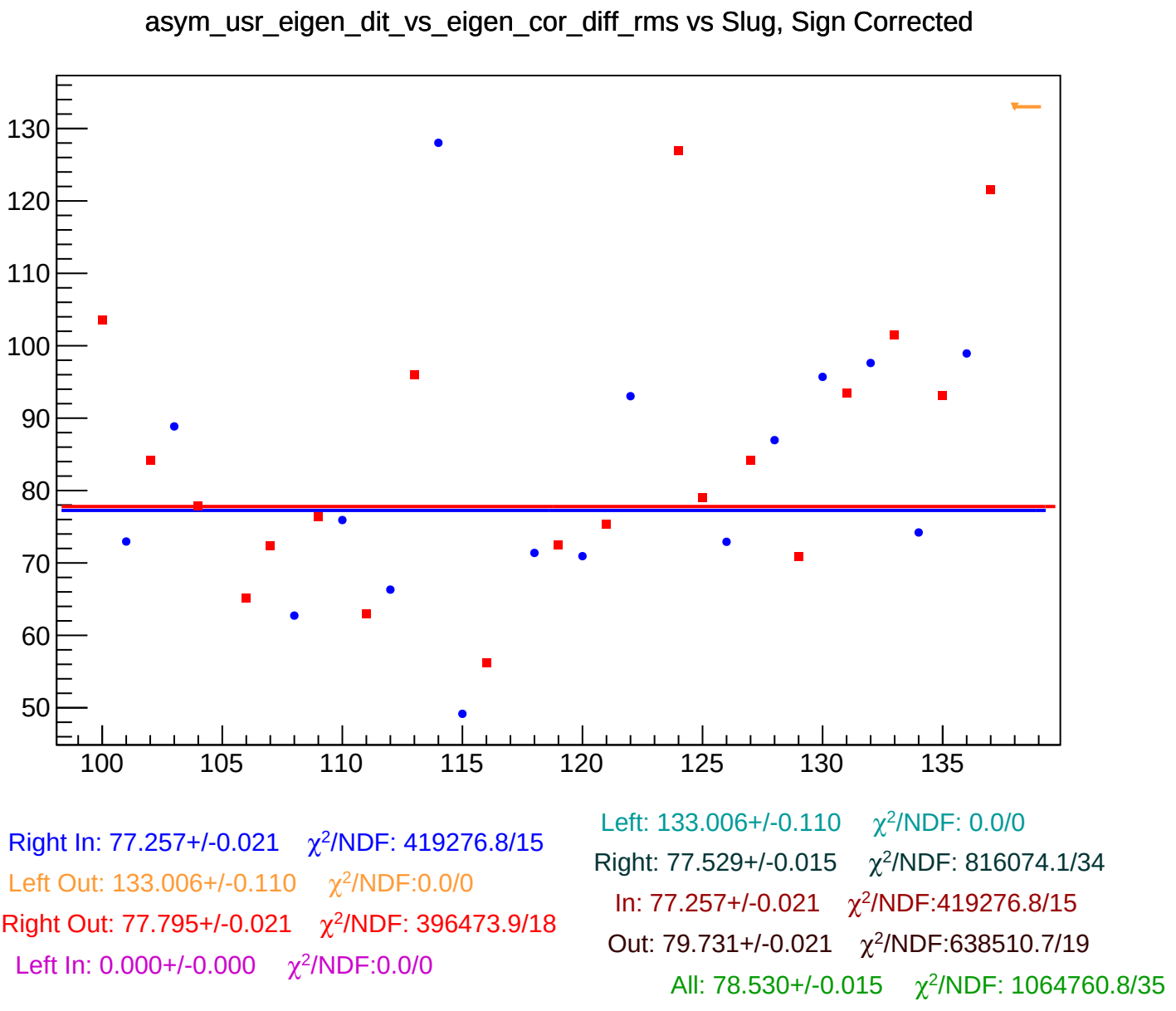
Left: 0.172+/-0.156 χ^2/NDF: 0.0/0

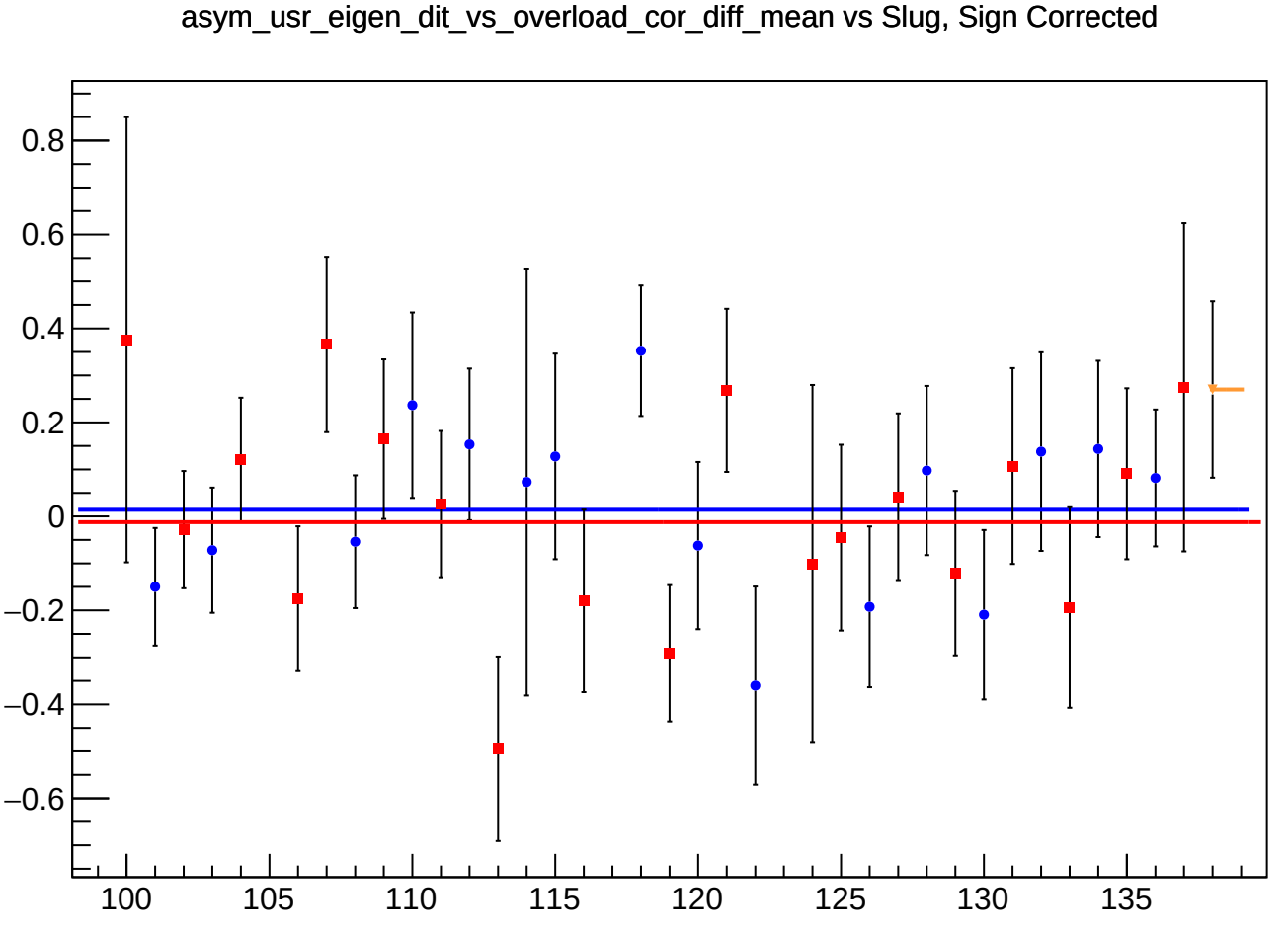
Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.005+/-0.030 χ^2/NDF:17.3/15

Out: 0.018+/-0.029 χ^2/NDF:26.5/19

All: 0.007+/-0.021 χ^2/NDF: 44.1/35


asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
130
120
110
100
90
80
70
60
50
100
105
110
115
120
125
130
135
Right In: 77.257+/-0.021 χ²/NDF: 419276.8/15
Left Out: 133.006+/-0.110 χ²/NDF:0.0/0
Right Out: 77.795+/-0.021 χ²/NDF: 396473.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 133.006+/-0.110 χ²/NDF: 0.0/0
Right: 77.529+/-0.015 χ²/NDF: 816074.1/34
In: 77.257+/-0.021 χ²/NDF:419276.8/15
Out: 79.731+/-0.021 χ²/NDF:638510.7/19
All: 78.530+/-0.015 χ²/NDF: 1064760.8/35



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.270+/-0.188 χ^2/NDF:0.0/0

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

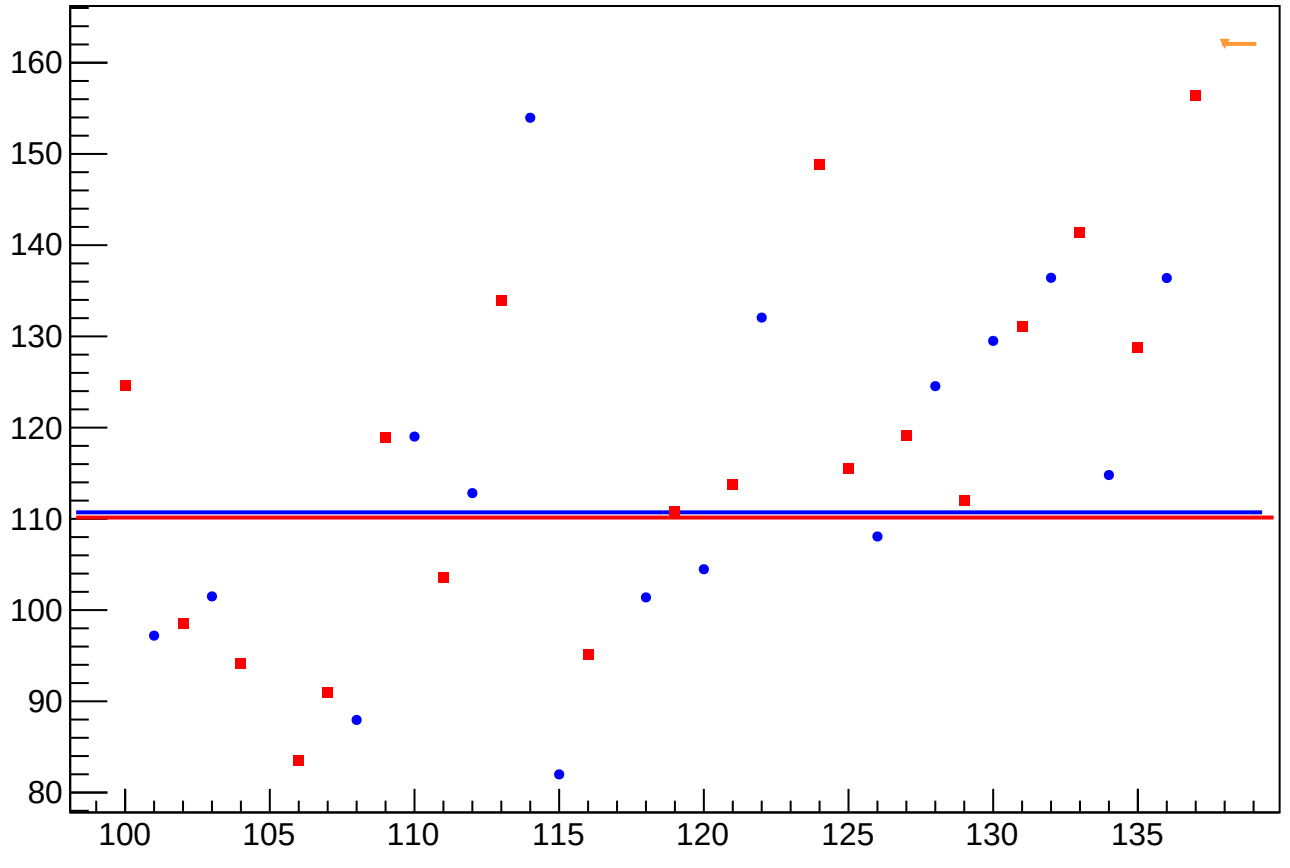
Left: 0.270+/-0.188 χ^2/NDF: 0.0/0

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.014+/-0.042 χ^2/NDF:18.2/15

Out: 0.001+/-0.040 χ^2/NDF:25.9/19

All: 0.007+/-0.029 χ^2/NDF: 44.1/35



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 162.064+/-0.133 χ^2/NDF:0.0/0

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 162.064+/-0.133 χ^2/NDF: 0.0/0

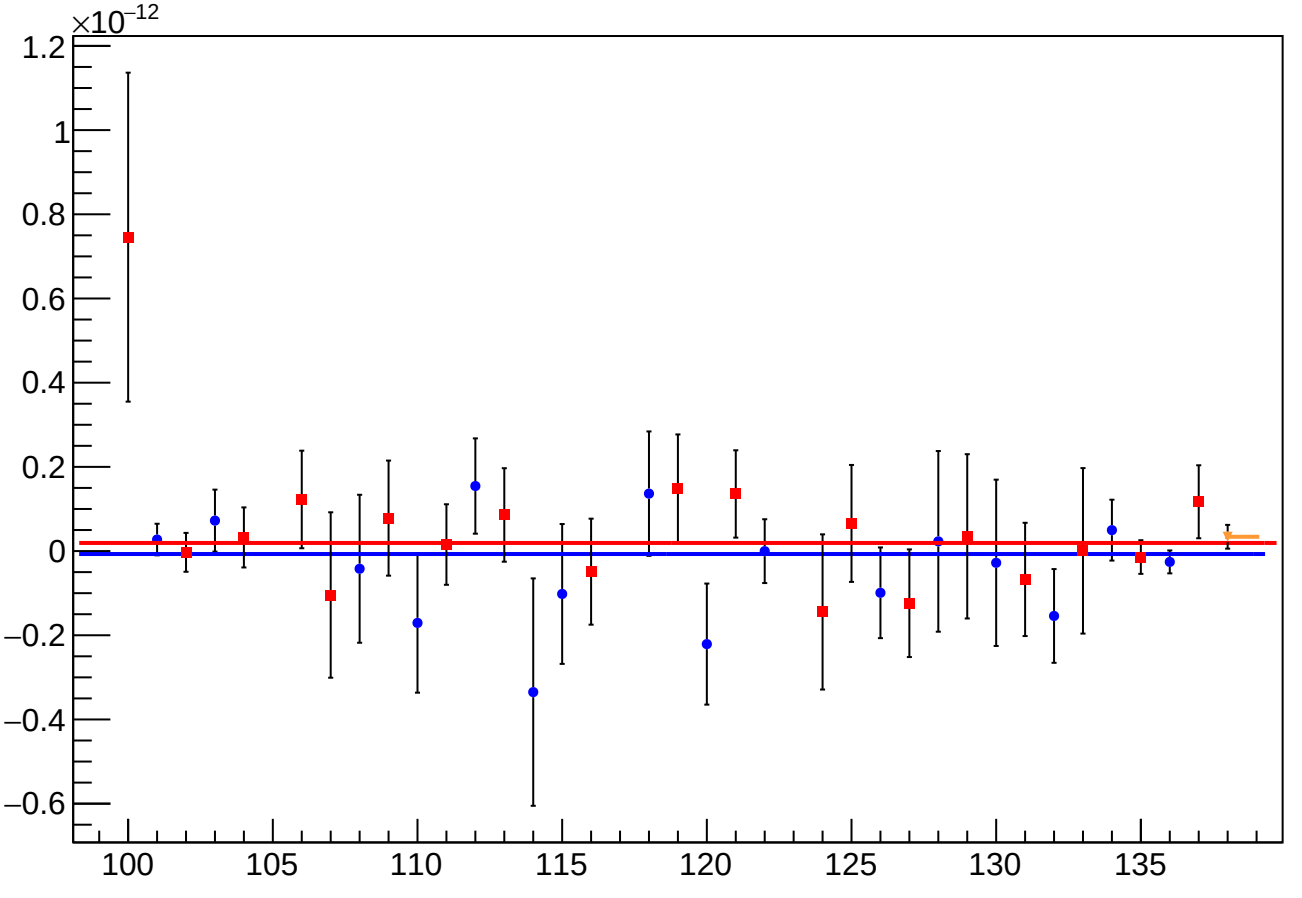
Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 110.714+/-0.030 χ^2/NDF:299948.2/15

Out: 112.542+/-0.029 χ^2/NDF:472614.6/19

All: 111.670+/-0.021 χ^2/NDF: 774521.3/35

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

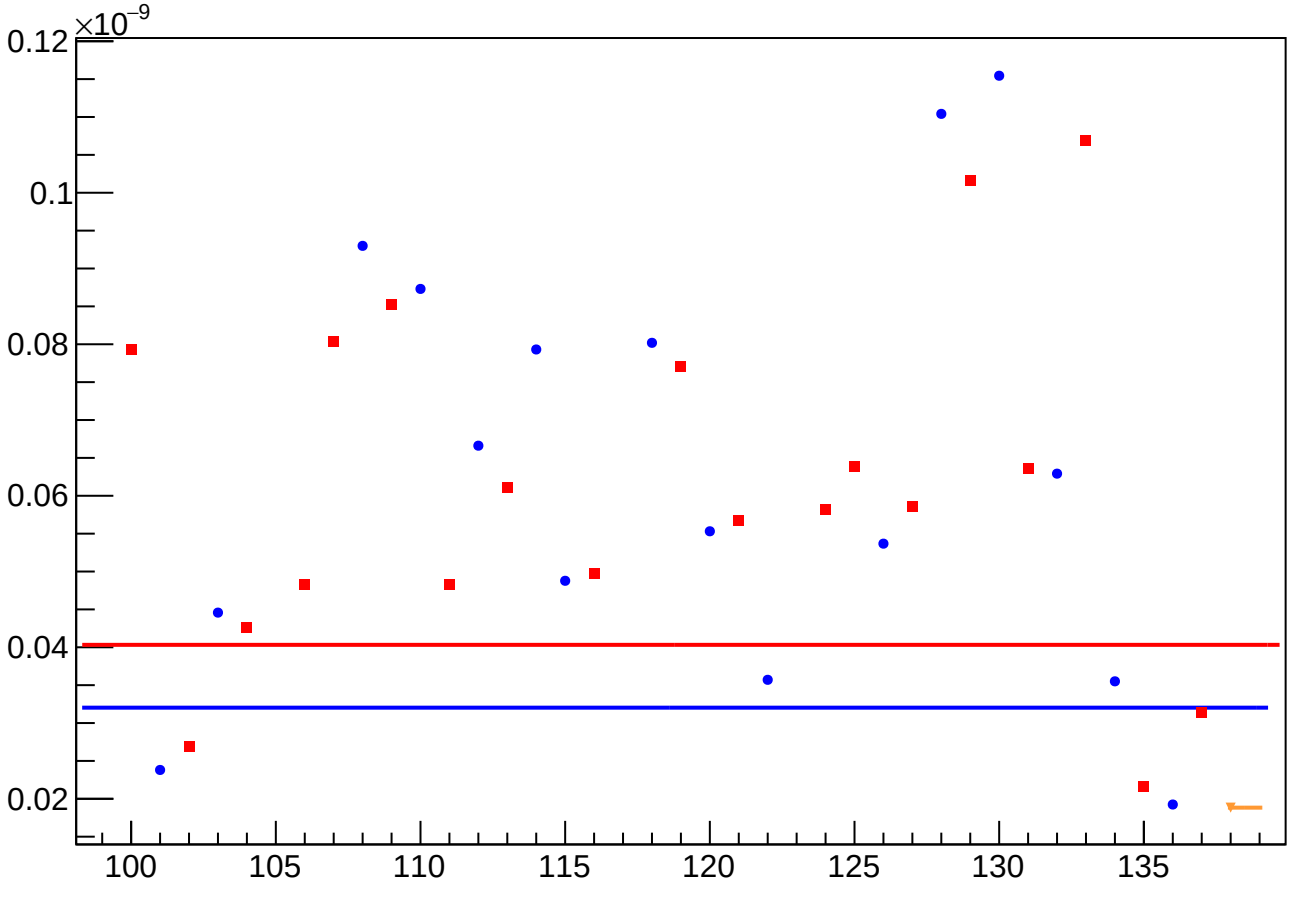
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:13.6/15

Out: 0.000+/-0.000 χ^2/NDF:12.8/19

All: 0.000+/-0.000 χ^2/NDF: 28.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

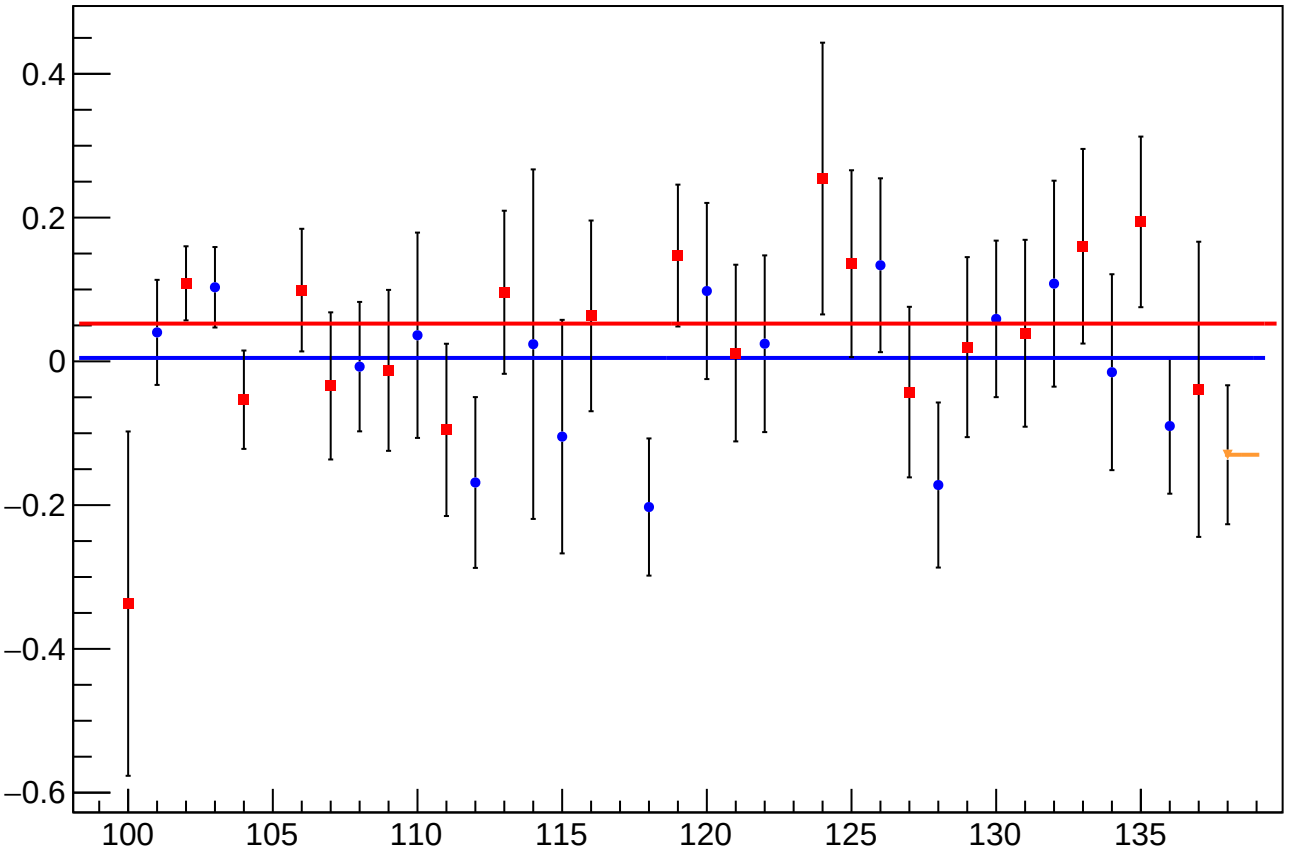
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:2459312.1/15

Out: 0.000+/-0.000 χ^2/NDF:2609448.9/19

All: 0.000+/-0.000 χ^2/NDF: 5069872.0/35



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.130+/-0.097 χ^2/NDF:0.0/0

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

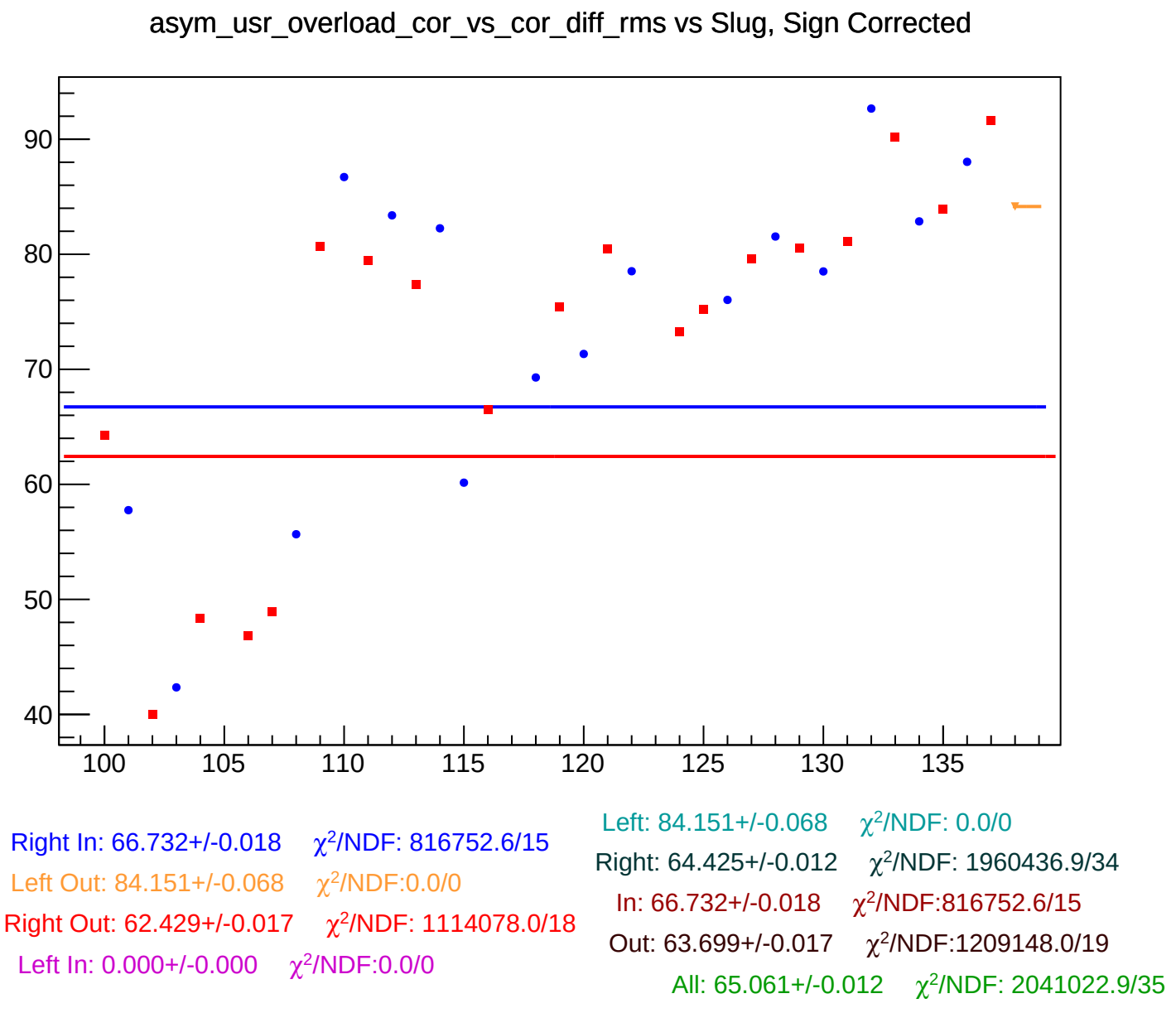
Left: -0.130+/-0.097 χ^2/NDF: 0.0/0

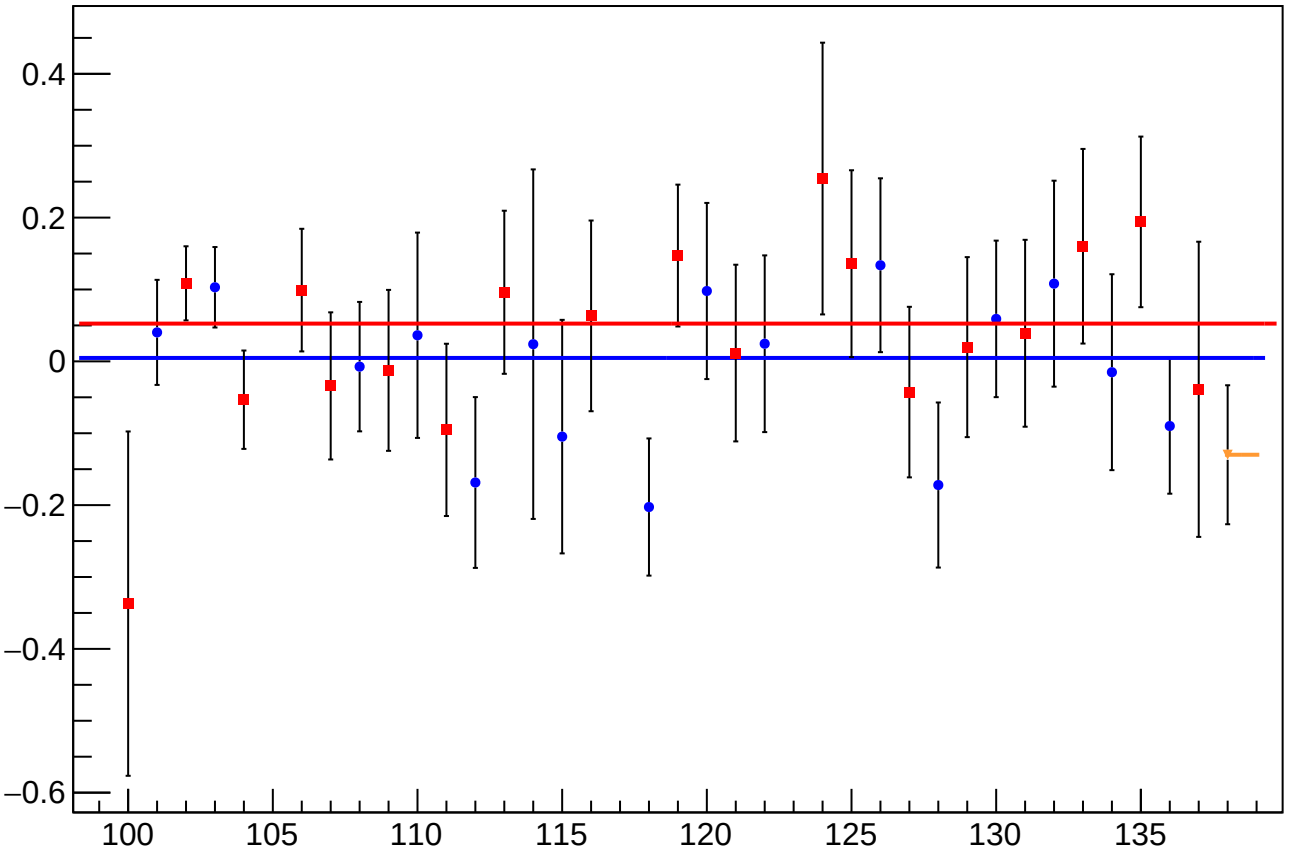
Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: 0.005+/-0.026 χ^2/NDF:16.6/15

Out: 0.042+/-0.023 χ^2/NDF:18.2/19

All: 0.025+/-0.017 χ^2/NDF: 35.9/35


asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
100
105
110
115
120
125
130
135
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 84.151+/-0.068 χ²/NDF:0.0/0
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 84.151+/-0.068 χ²/NDF: 0.0/0
Right: 64.425+/-0.012 χ²/NDF: 1960436.9/34
In: 66.732+/-0.018 χ²/NDF:816752.6/15
Out: 63.699+/-0.017 χ²/NDF:1209148.0/19
All: 65.061+/-0.012 χ²/NDF: 2041022.9/35



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.130+/-0.097 χ^2/NDF:0.0/0

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

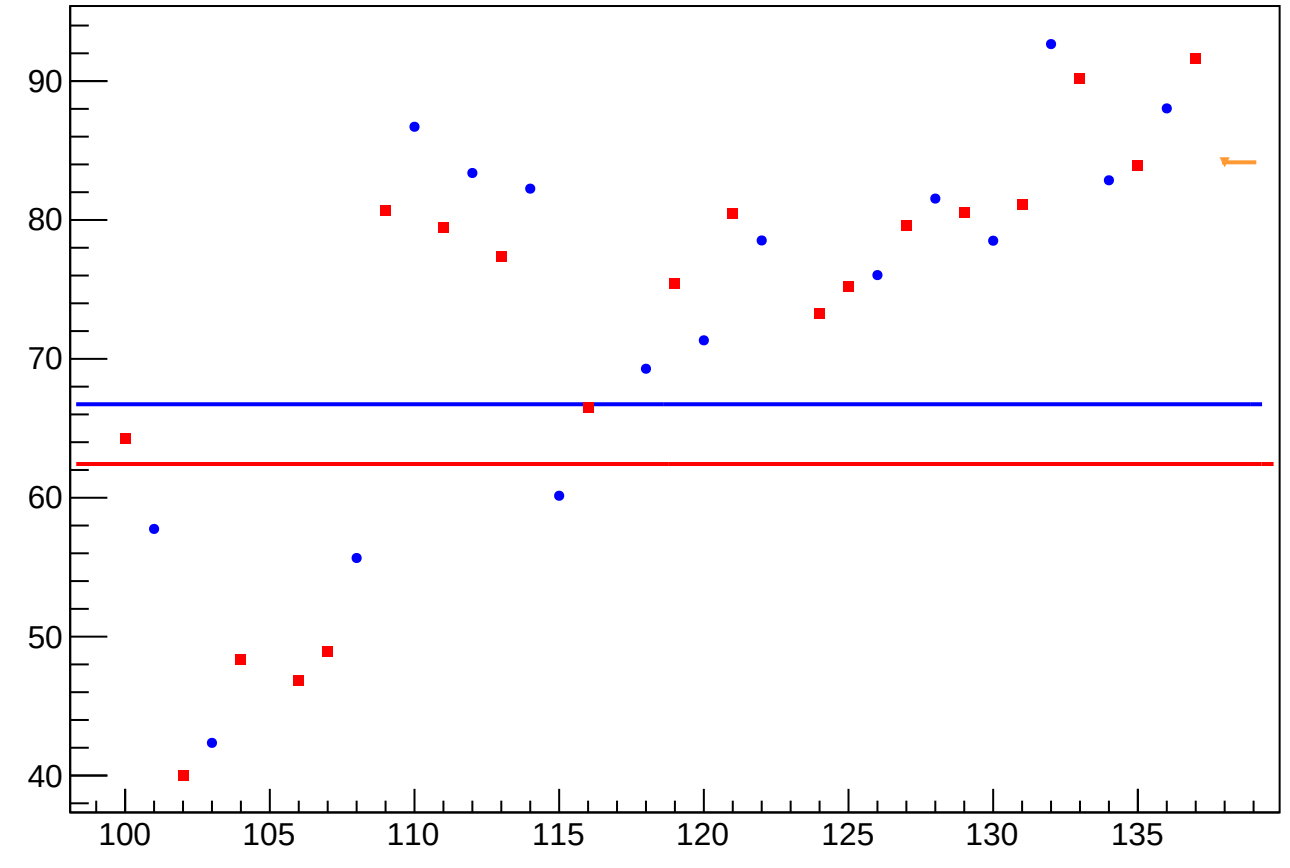
Left: -0.130+/-0.097 χ^2/NDF: 0.0/0

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: 0.005+/-0.026 χ^2/NDF:16.6/15

Out: 0.042+/-0.023 χ^2/NDF:18.2/19

All: 0.025+/-0.017 χ^2/NDF: 35.9/35



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 84.151+/-0.068 χ^2/NDF:0.0/0

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

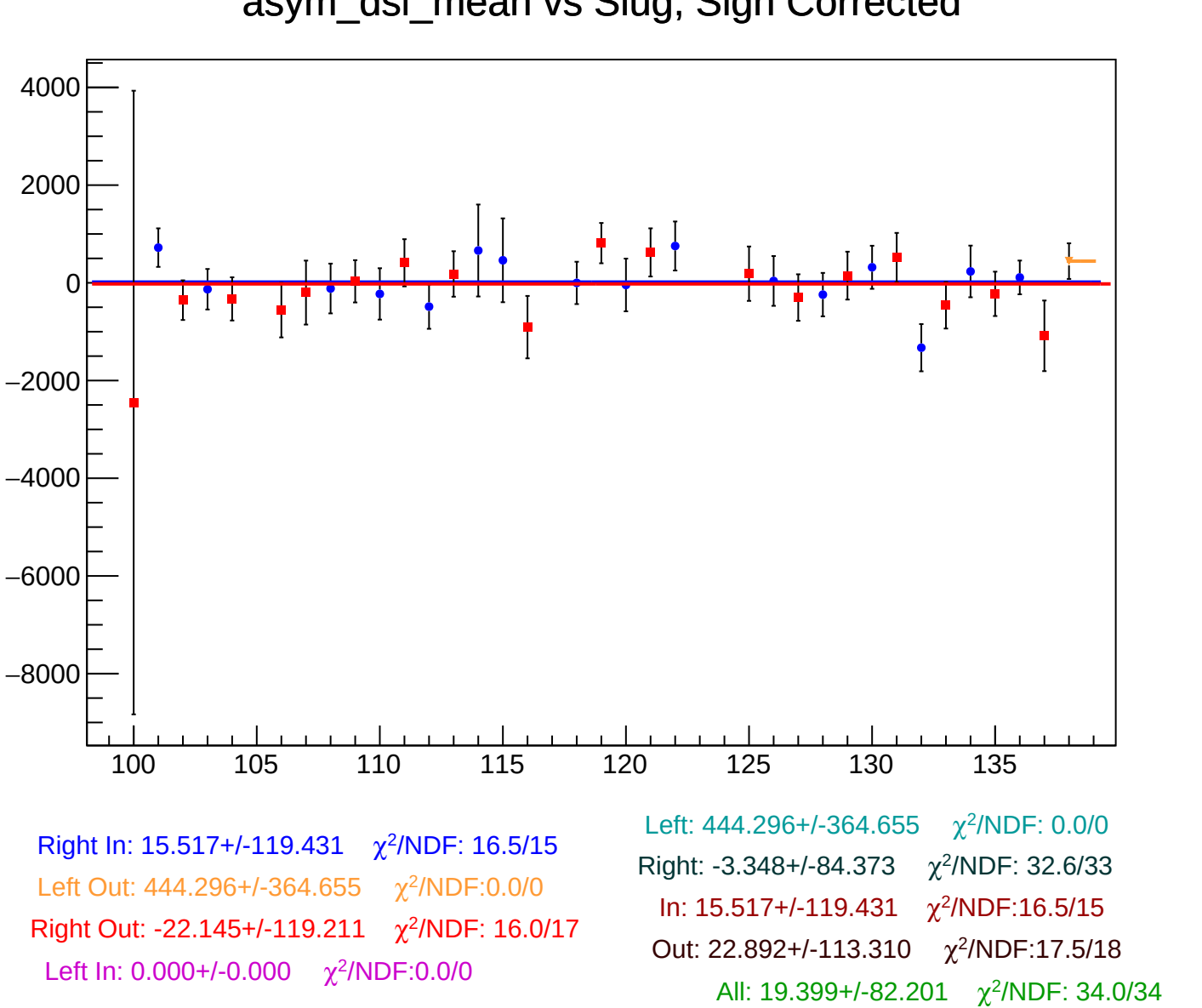
Left: 84.151+/-0.068 χ^2/NDF: 0.0/0

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

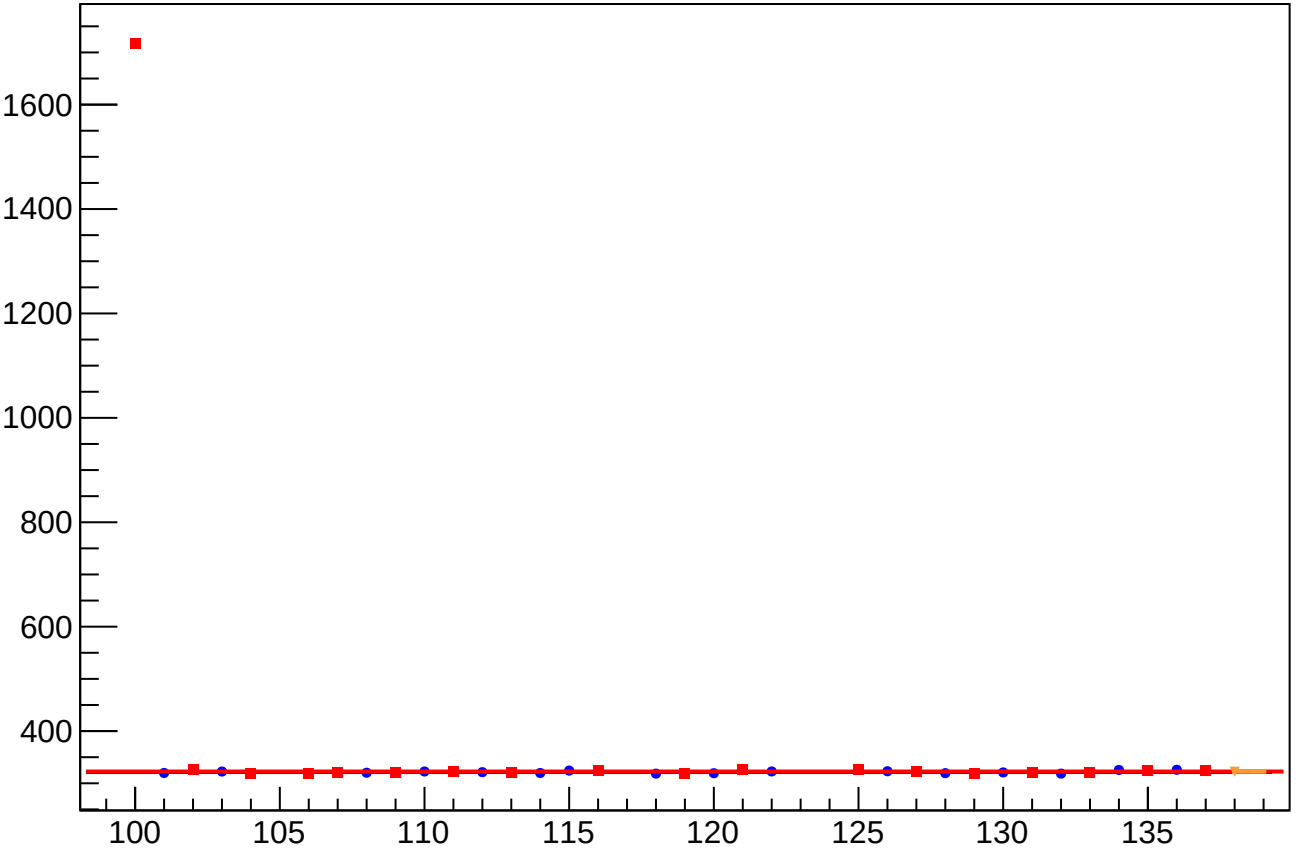
In: 66.732+/-0.018 χ^2/NDF:816752.6/15

Out: 63.699+/-0.017 χ^2/NDF:1209148.0/19

All: 65.061+/-0.012 χ^2/NDF: 2041022.9/35


asym_dsl_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
Right In: 15.517+/-119.431 χ²/NDF: 16.5/15
Left Out: 444.296+/-364.655 χ²/NDF:0.0/0
Right Out: -22.145+/-119.211 χ²/NDF: 16.0/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 444.296+/-364.655 χ²/NDF: 0.0/0
Right: -3.348+/-84.373 χ²/NDF: 32.6/33
In: 15.517+/-119.431 χ²/NDF:16.5/15
Out: 22.892+/-113.310 χ²/NDF:17.5/18
All: 19.399+/-82.201 χ²/NDF: 34.0/34

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 322.136+/-0.258 χ^2/NDF:0.0/0

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 322.136+/-0.258 χ^2/NDF: 0.0/0

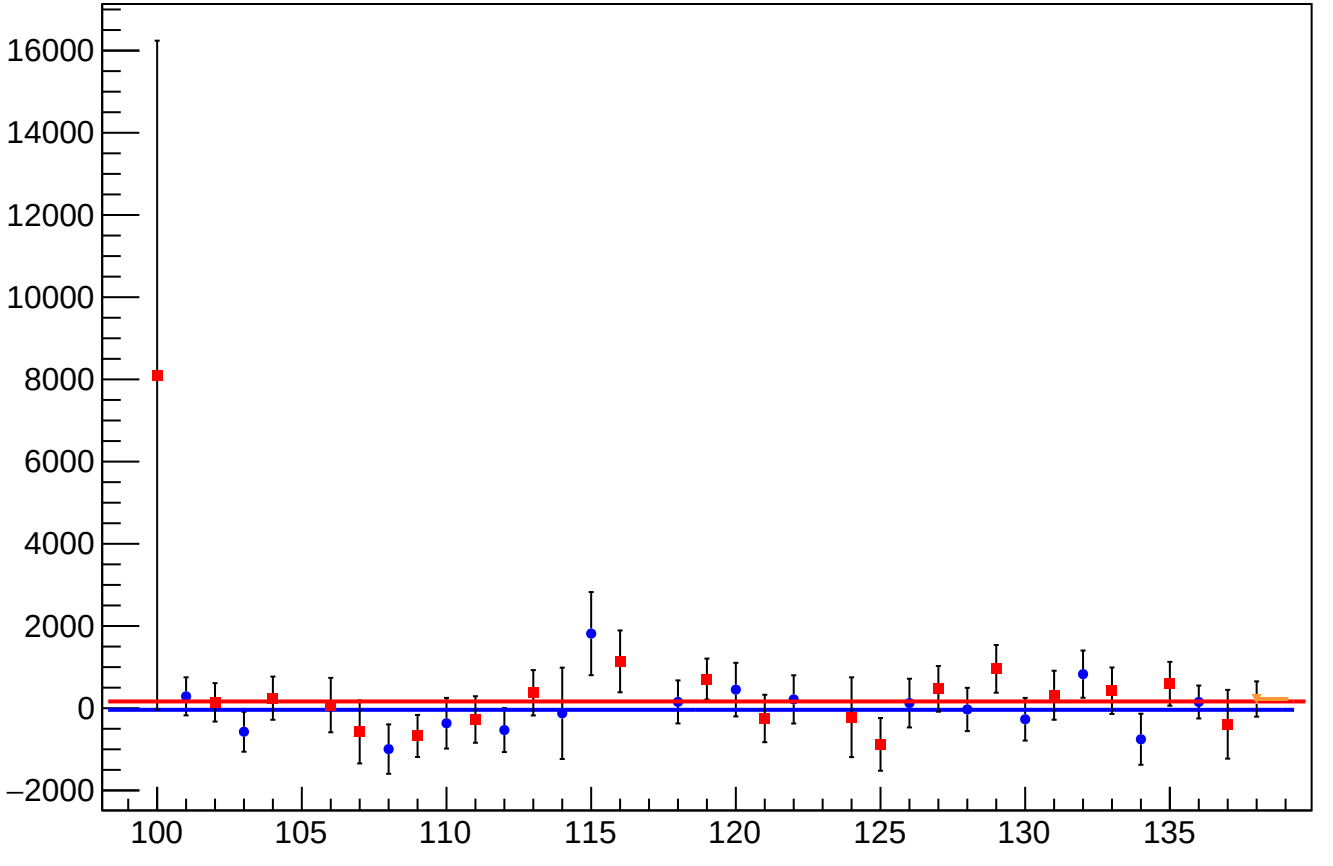
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 321.604+/-0.084 χ^2/NDF:822.9/15

Out: 322.513+/-0.080 χ^2/NDF:96894.2/18

All: 322.082+/-0.058 χ^2/NDF: 97778.1/34

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 224.052+/-428.857 χ^2/NDF:0.0/0

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 224.052+/-428.857 χ^2/NDF: 0.0/0

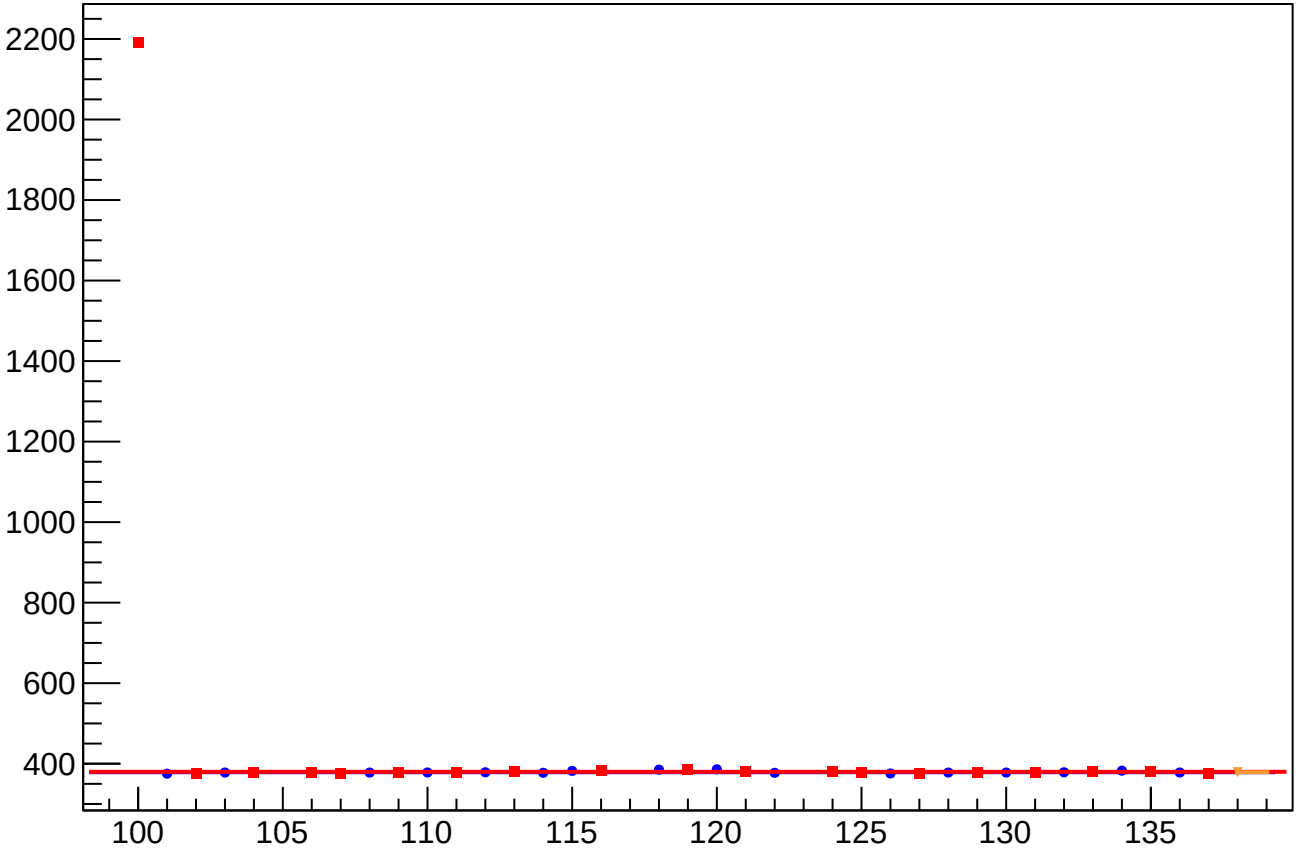
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -38.914+/-140.720 χ^2/NDF:13.7/15

Out: 170.285+/-132.196 χ^2/NDF:15.1/19

All: 72.213+/-96.349 χ^2/NDF: 30.0/35

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.835+/-0.303 χ^2/NDF:0.0/0

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 378.835+/-0.303 χ^2/NDF: 0.0/0

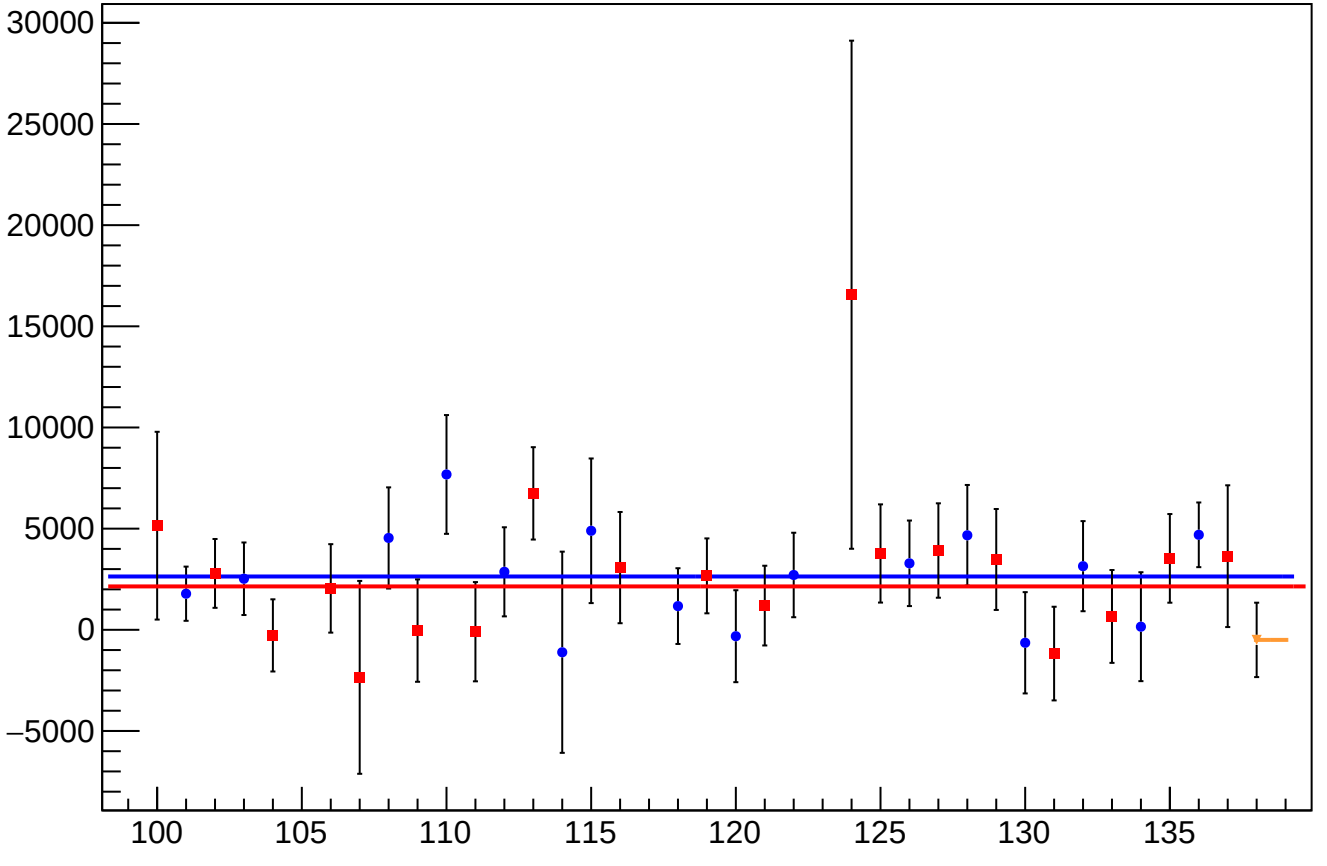
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.910+/-0.100 χ^2/NDF:851.2/15

Out: 379.779+/-0.093 χ^2/NDF:99632.2/19

All: 379.371+/-0.068 χ^2/NDF: 100523.9/35

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: -498.455+/-1838.651 χ^2/NDF:0.0/0

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -498.455+/-1838.651 χ^2/NDF: 0.0/0

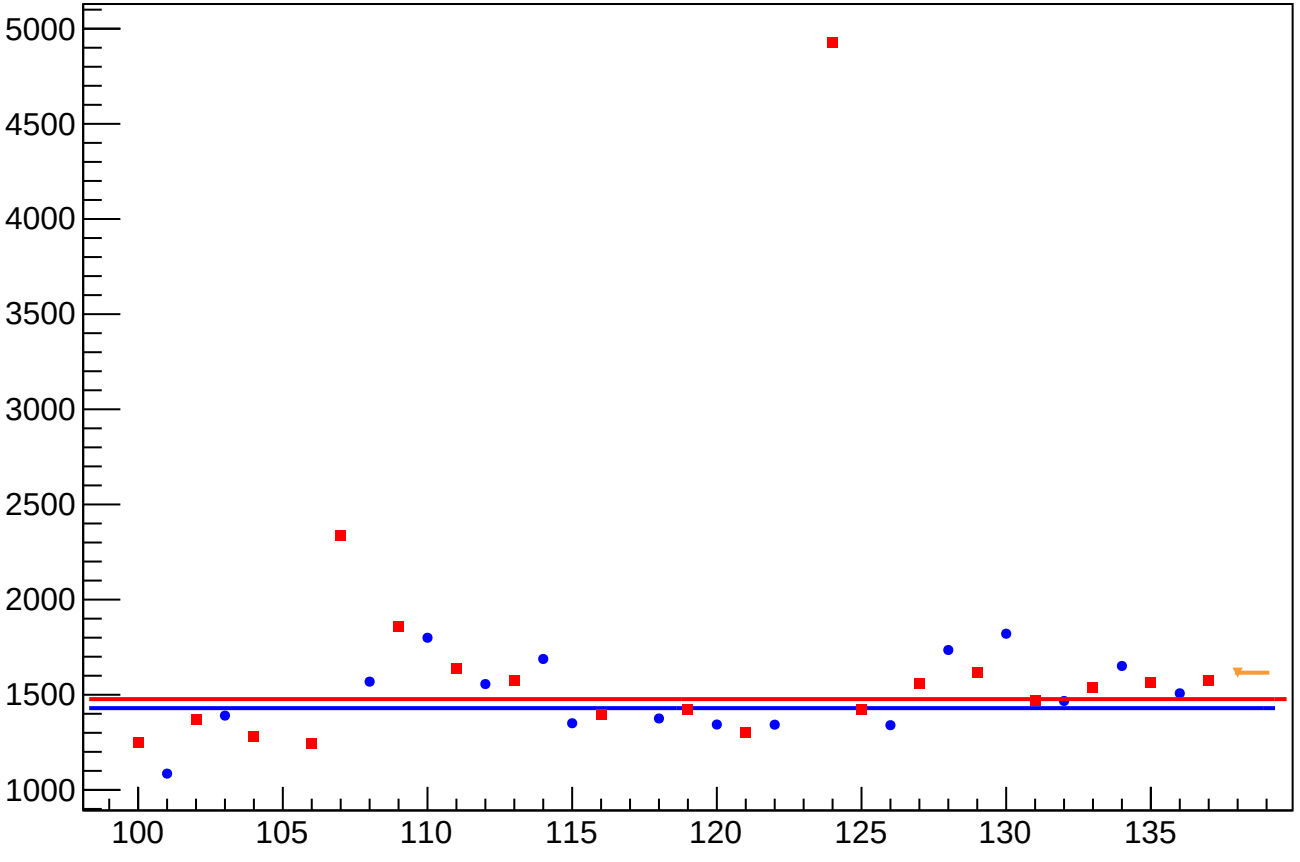
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

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

Out: 1929.691+/-524.258 χ^2/NDF:16.9/19

All: 2273.393+/-375.482 χ^2/NDF: 30.1/35

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1616.064+/-1.300 χ^2/NDF:0.0/0

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

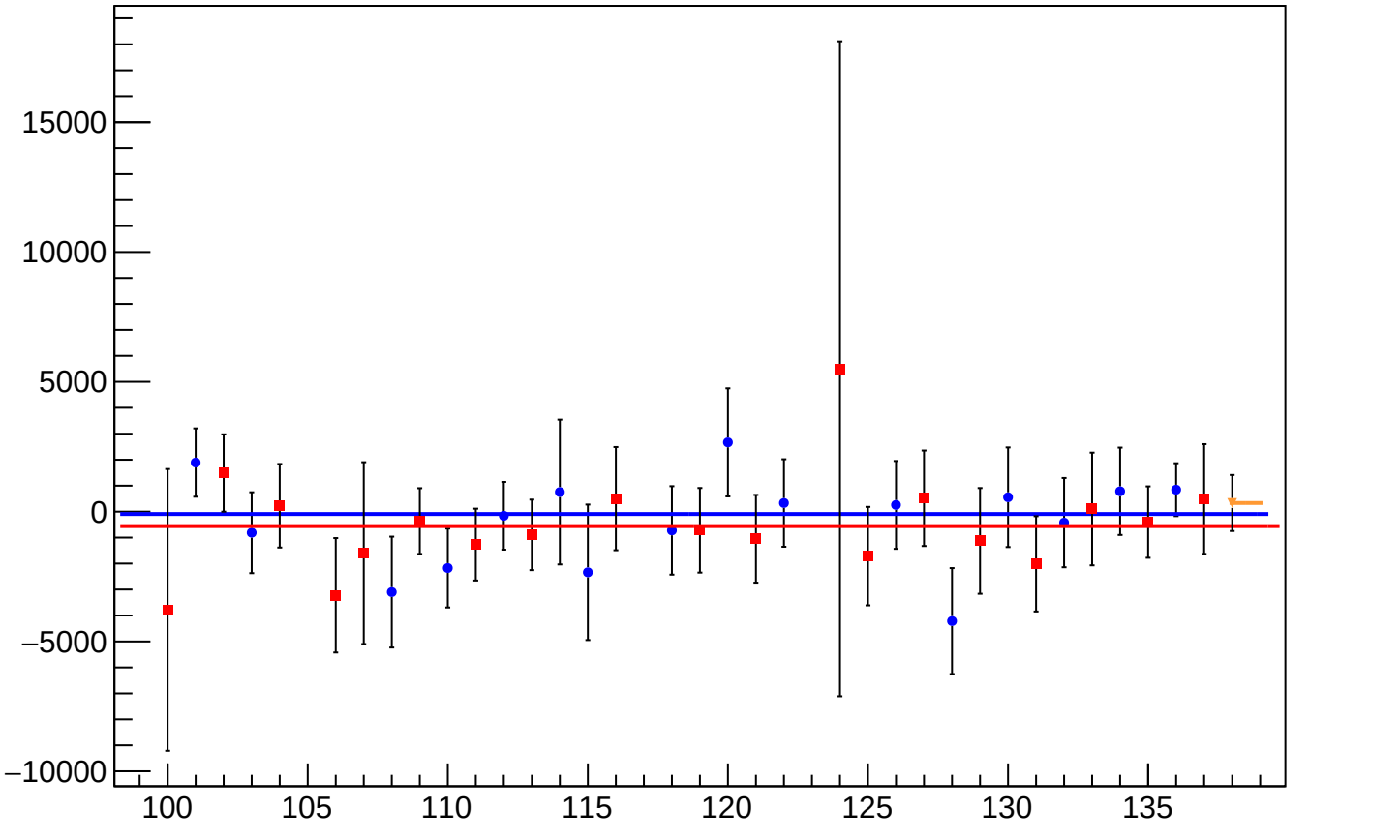
Left: 1616.064+/-1.300 χ^2/NDF: 0.0/0

Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

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

Out: 1488.421+/-0.371 χ^2/NDF:379922.4/19

All: 1459.800+/-0.266 χ^2/NDF: 685550.7/35



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

Left Out: 332.594+/-1078.948 χ^2/NDF:0.0/0

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 332.594+/-1078.948 χ^2/NDF: 0.0/0

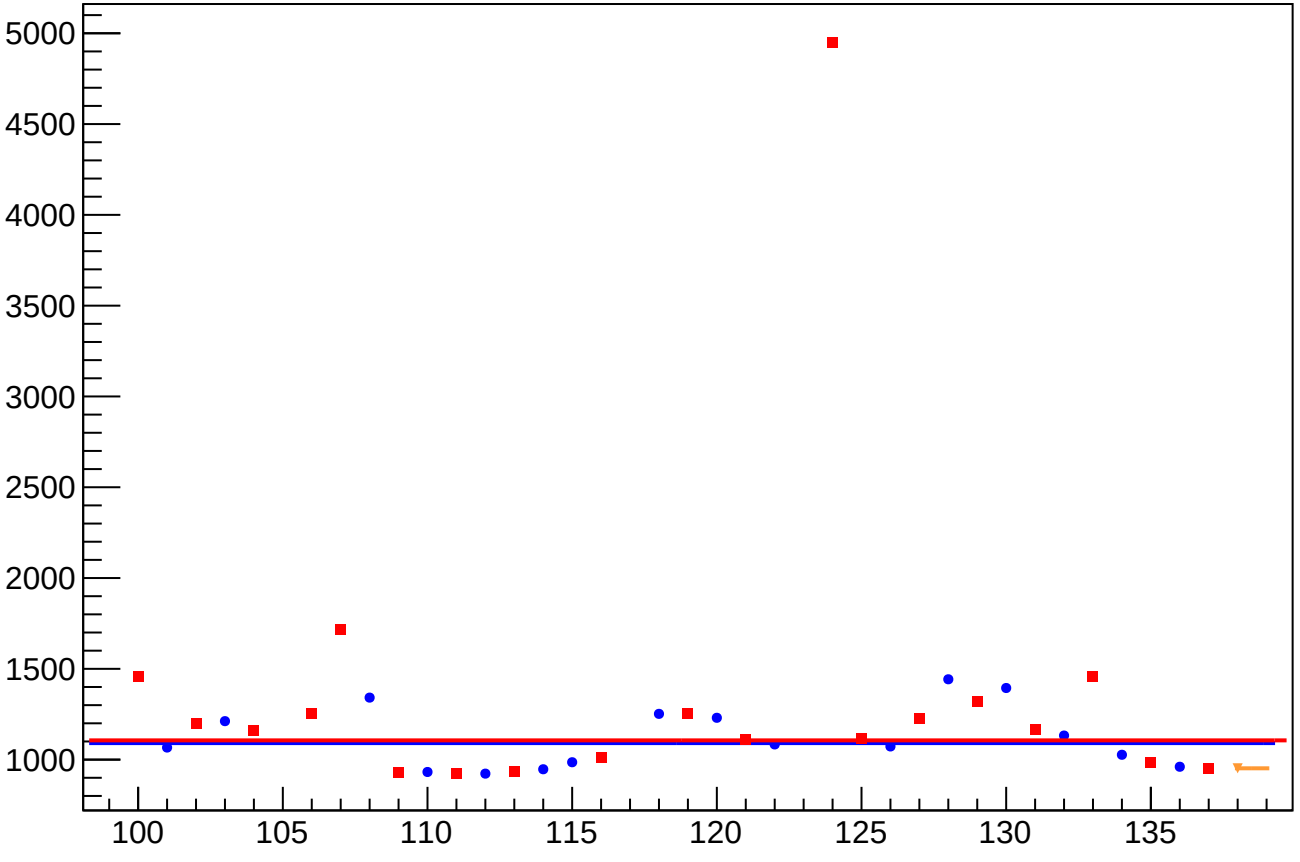
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -91.305+/-409.957 χ^2/NDF:14.5/15

Out: -443.968+/-384.360 χ^2/NDF:7.3/19

All: -278.989+/-280.396 χ^2/NDF: 22.3/35

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 952.176+/-0.763 χ^2/NDF:0.0/0

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 952.176+/-0.763 χ^2/NDF: 0.0/0

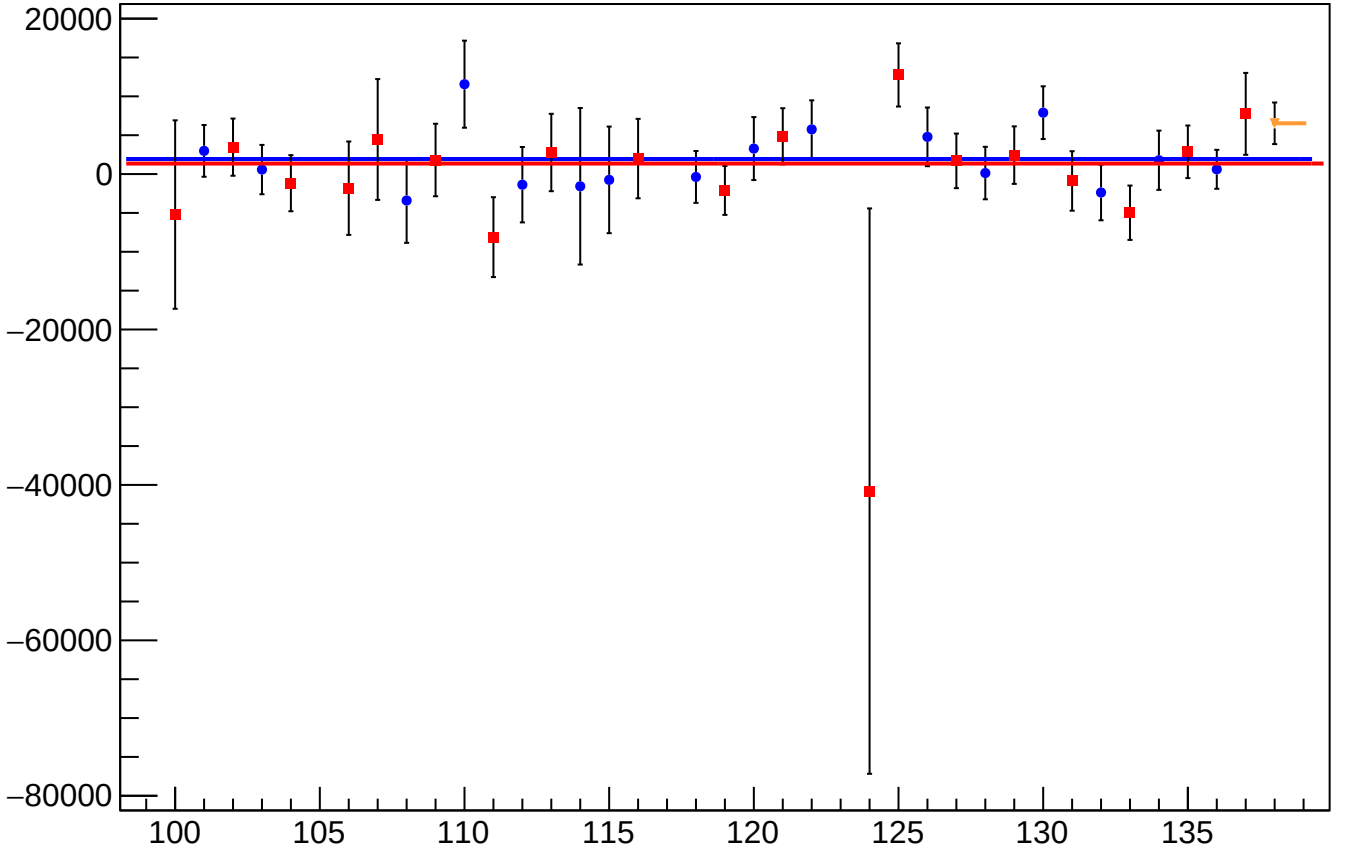
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

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

Out: 1086.519+/-0.272 χ^2/NDF:549612.0/19

All: 1088.635+/-0.198 χ^2/NDF: 827046.4/35

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 6532.131+/-2676.107 χ^2/NDF:0.0/0

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6532.131+/-2676.107 χ^2/NDF: 0.0/0

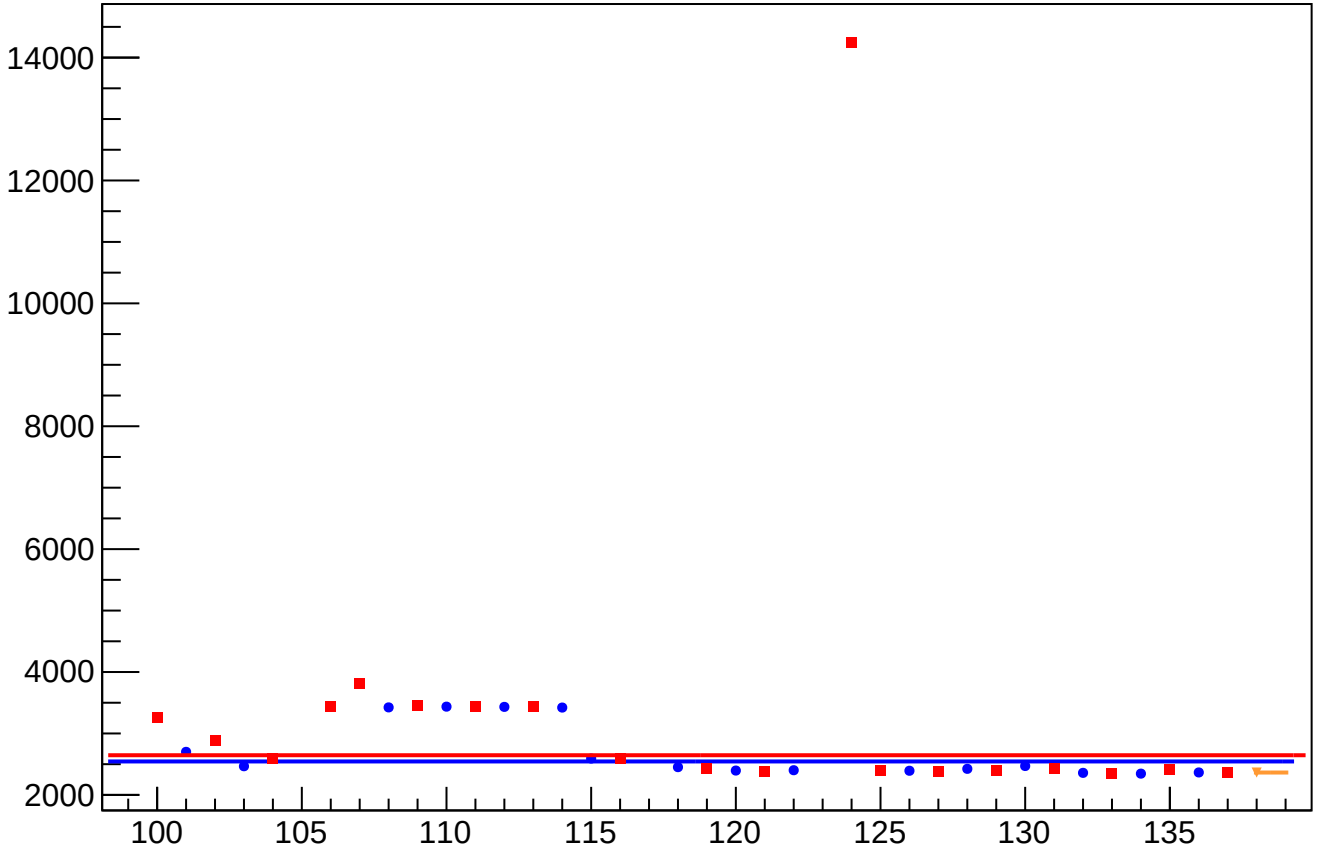
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1939.656+/-952.537 χ^2/NDF:12.2/15

Out: 1971.446+/-924.471 χ^2/NDF:25.1/19

All: 1956.026+/-663.400 χ^2/NDF: 37.3/35

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2364.098+/-0.892 χ^2/NDF:0.0/0

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

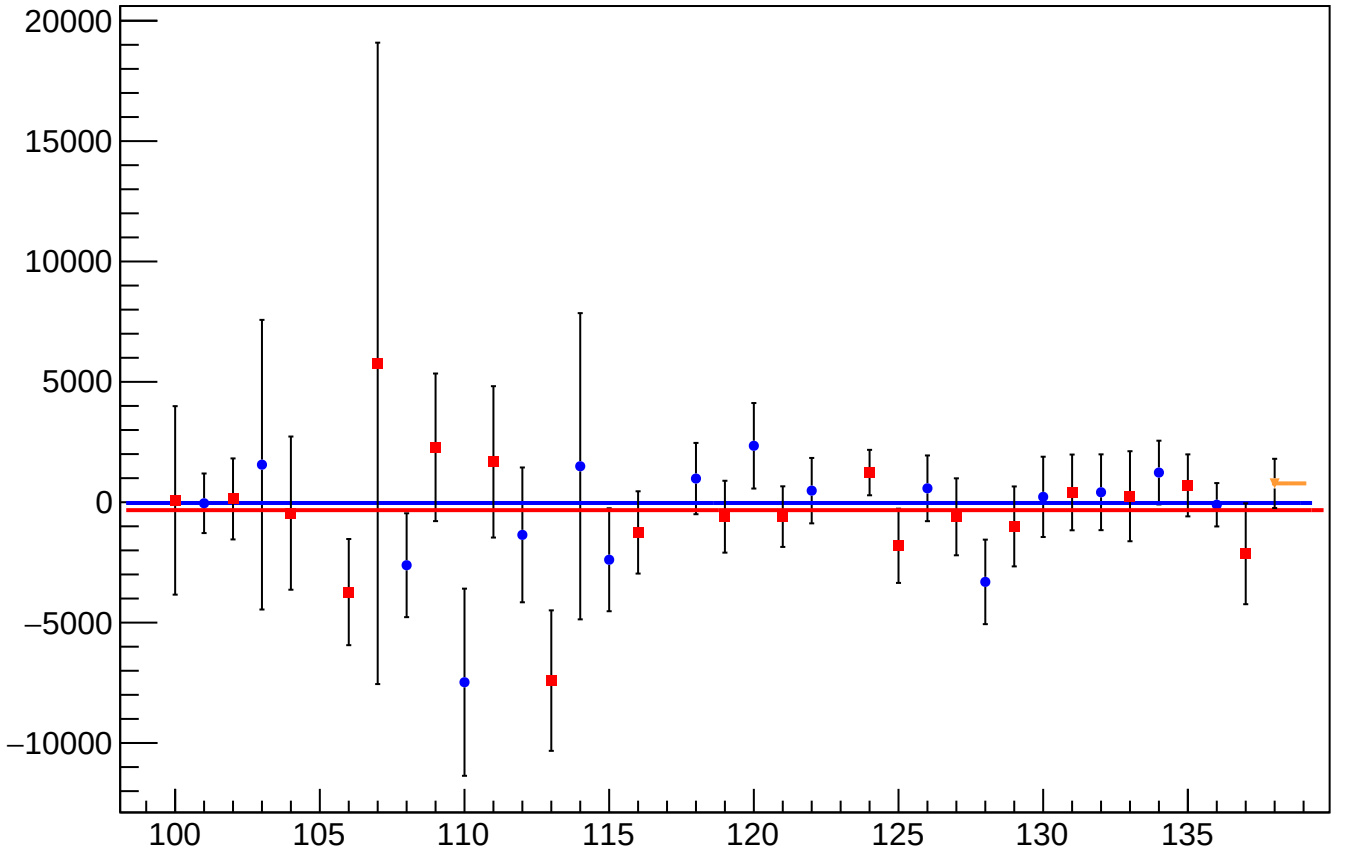
Left: 2364.098+/-1.892 χ^2/NDF: 0.0/0

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2544.416+/-0.674 χ^2/NDF:225614.0/15

Out: 2612.047+/-0.654 χ^2/NDF:556460.9/19

All: 2579.243+/-0.469 χ^2/NDF: 787266.8/35



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 782.482+/-1021.673 χ^2/NDF:0.0/0

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

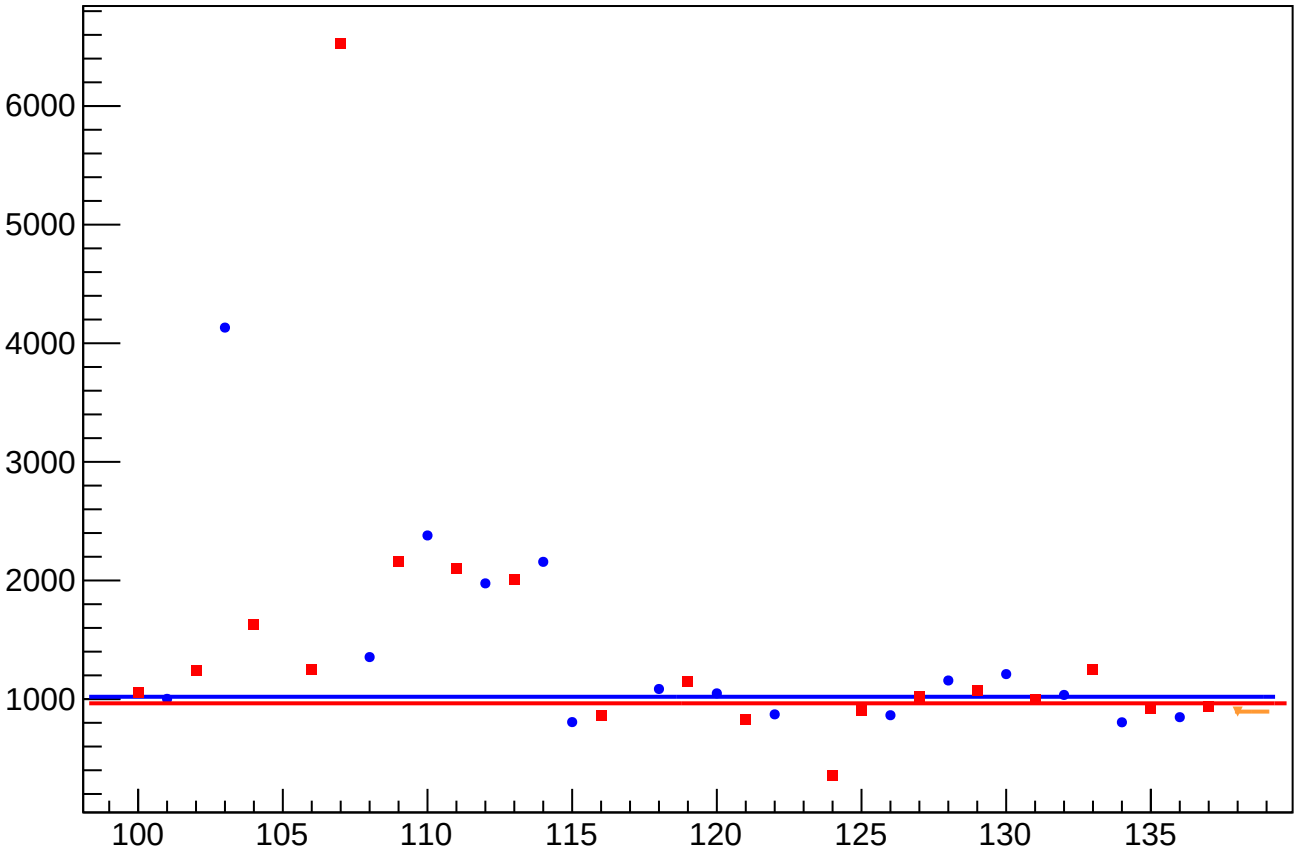
Left: 782.482+/-1021.673 χ^2/NDF: 0.0/0

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -31.191+/-405.726 χ^2/NDF:13.8/15

Out: -181.733+/-371.313 χ^2/NDF:16.7/19

All: -113.116+/-273.918 χ^2/NDF: 30.5/35



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 894.594+/-0.722 χ^2/NDF:0.0/0

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 894.594+/-0.722 χ^2/NDF: 0.0/0

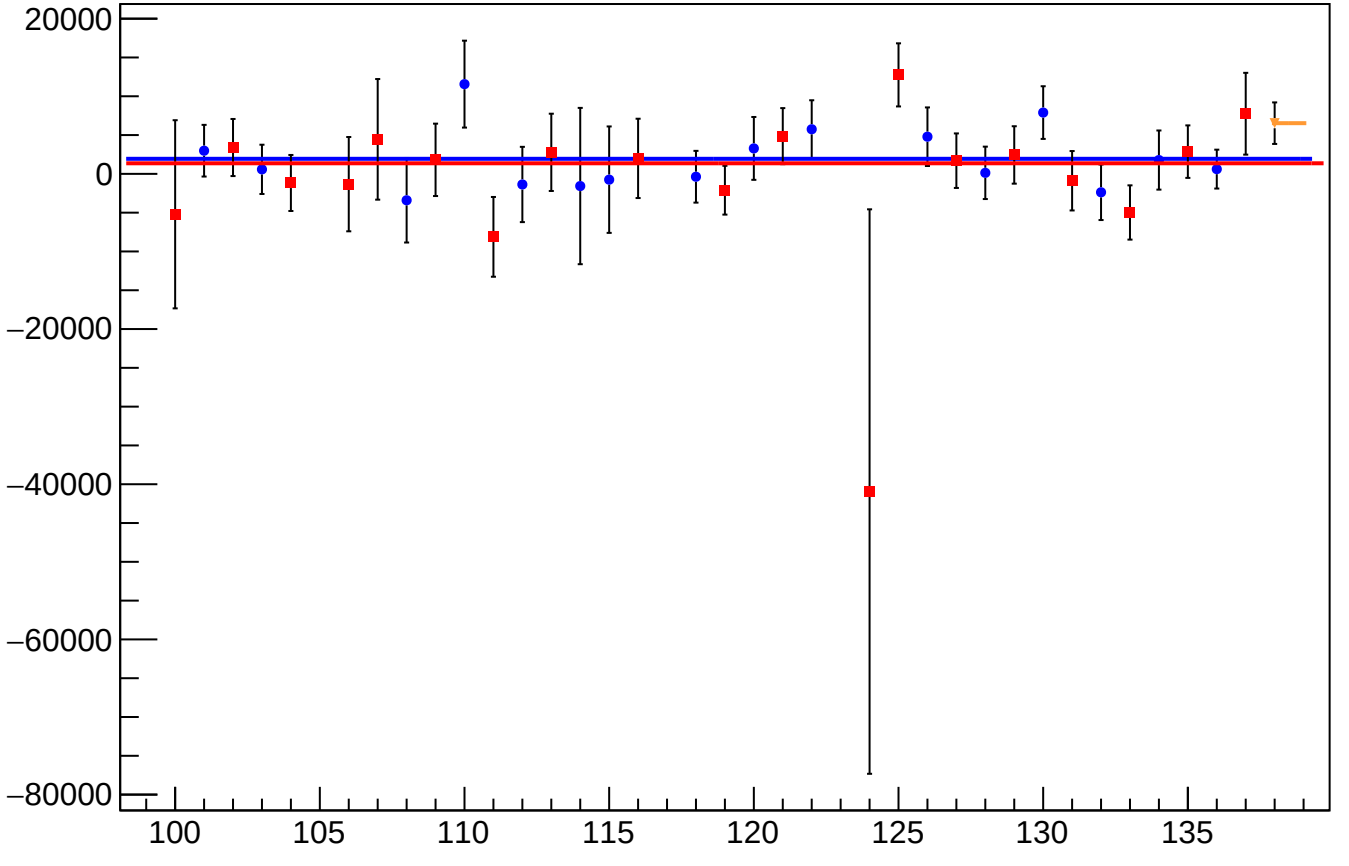
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 1019.523+/-0.287 χ^2/NDF:1364745.9/15

Out: 955.161+/-0.263 χ^2/NDF:2317457.8/19

All: 984.497+/-0.194 χ^2/NDF: 3709592.7/35

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 6532.111+/-2676.107 χ^2/NDF:0.0/0

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6532.111+/-2676.107 χ^2/NDF: 0.0/0

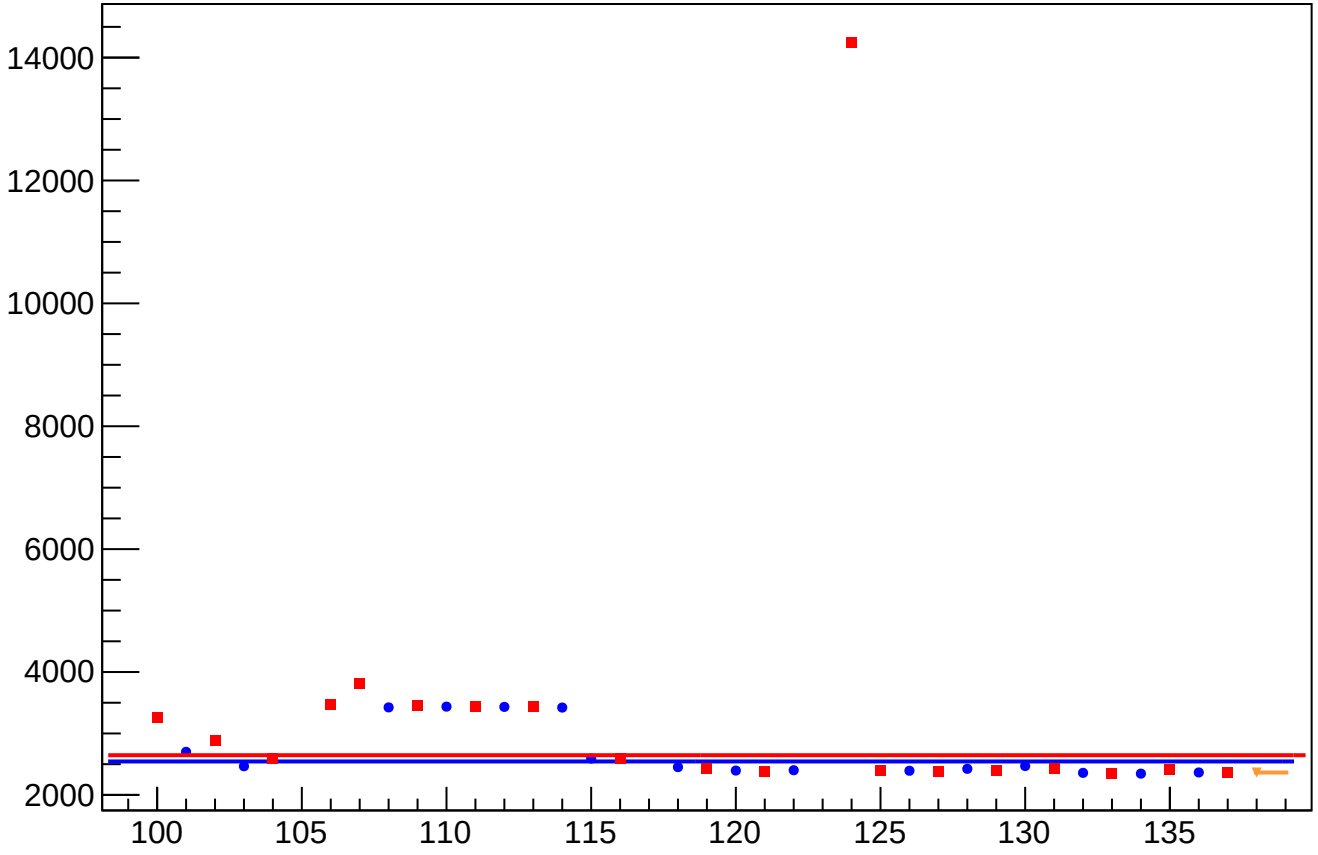
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1940.005+/-952.537 χ^2/NDF:12.2/15

Out: 1980.283+/-924.720 χ^2/NDF:25.0/19

All: 1960.741+/-663.492 χ^2/NDF: 37.2/35

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2364.098+/-0.892 χ^2/NDF:0.0/0

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

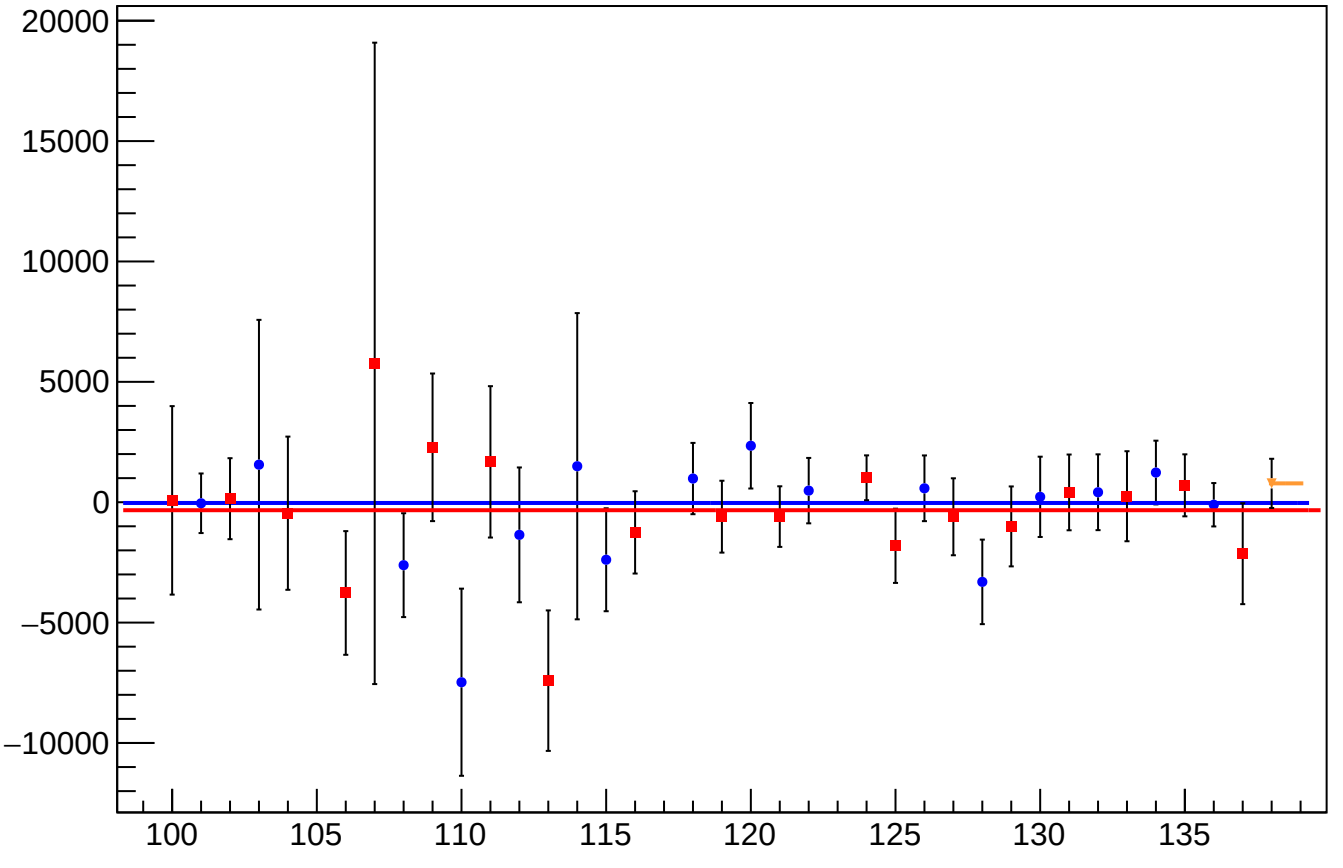
Left: 2364.098+/-1.892 χ^2/NDF: 0.0/0

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2544.416+/-0.674 χ^2/NDF:225614.0/15

Out: 2612.519+/-0.654 χ^2/NDF:559118.2/19

All: 2579.476+/-0.469 χ^2/NDF: 789995.4/35



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 782.487+/-1021.683 χ^2/NDF:0.0/0

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

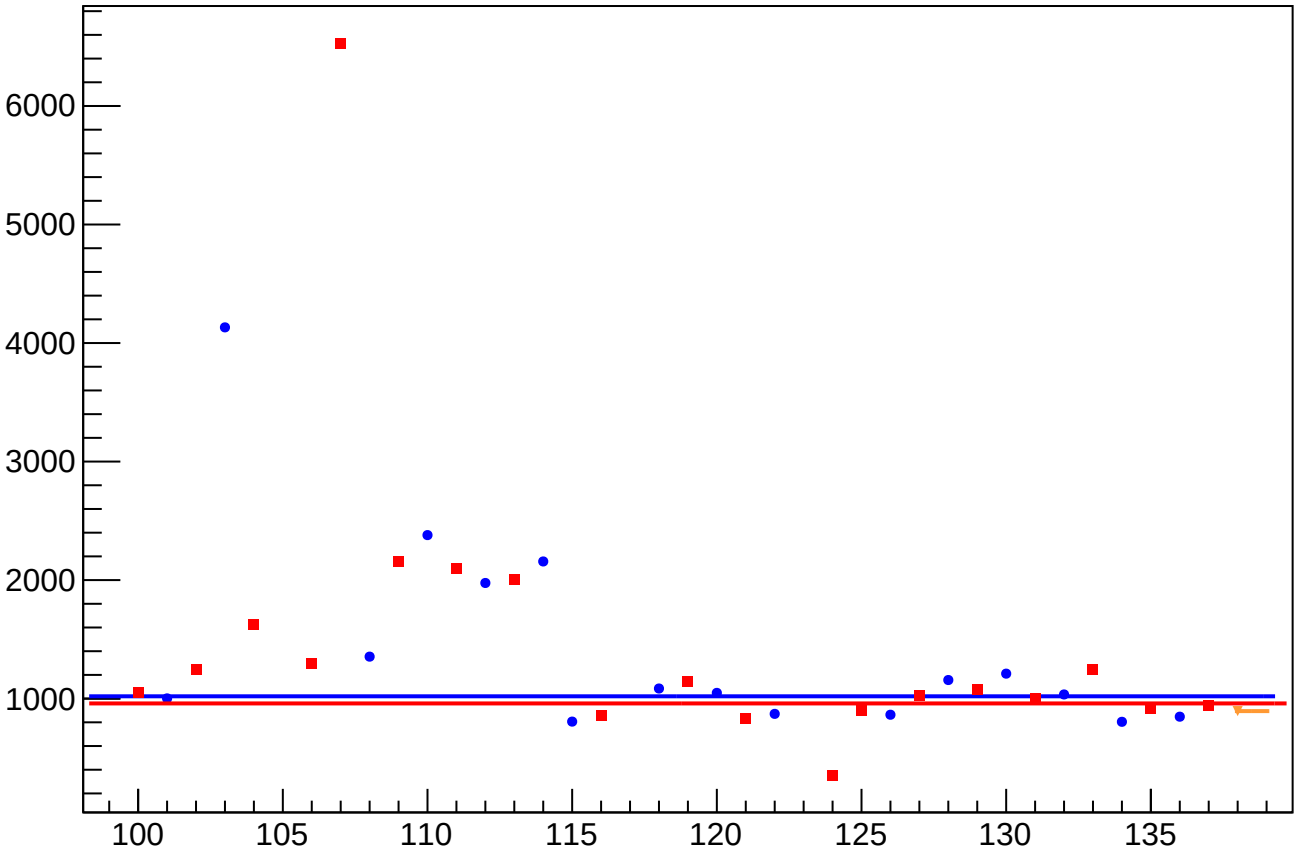
Left: 782.487+/-1021.683 χ^2/NDF: 0.0/0

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -31.253+/-405.723 χ^2/NDF:13.8/15

Out: -184.270+/-371.933 χ^2/NDF:15.4/19

All: -114.398+/-274.165 χ^2/NDF: 29.3/35



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 894.605+/-0.722 χ^2/NDF:0.0/0

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

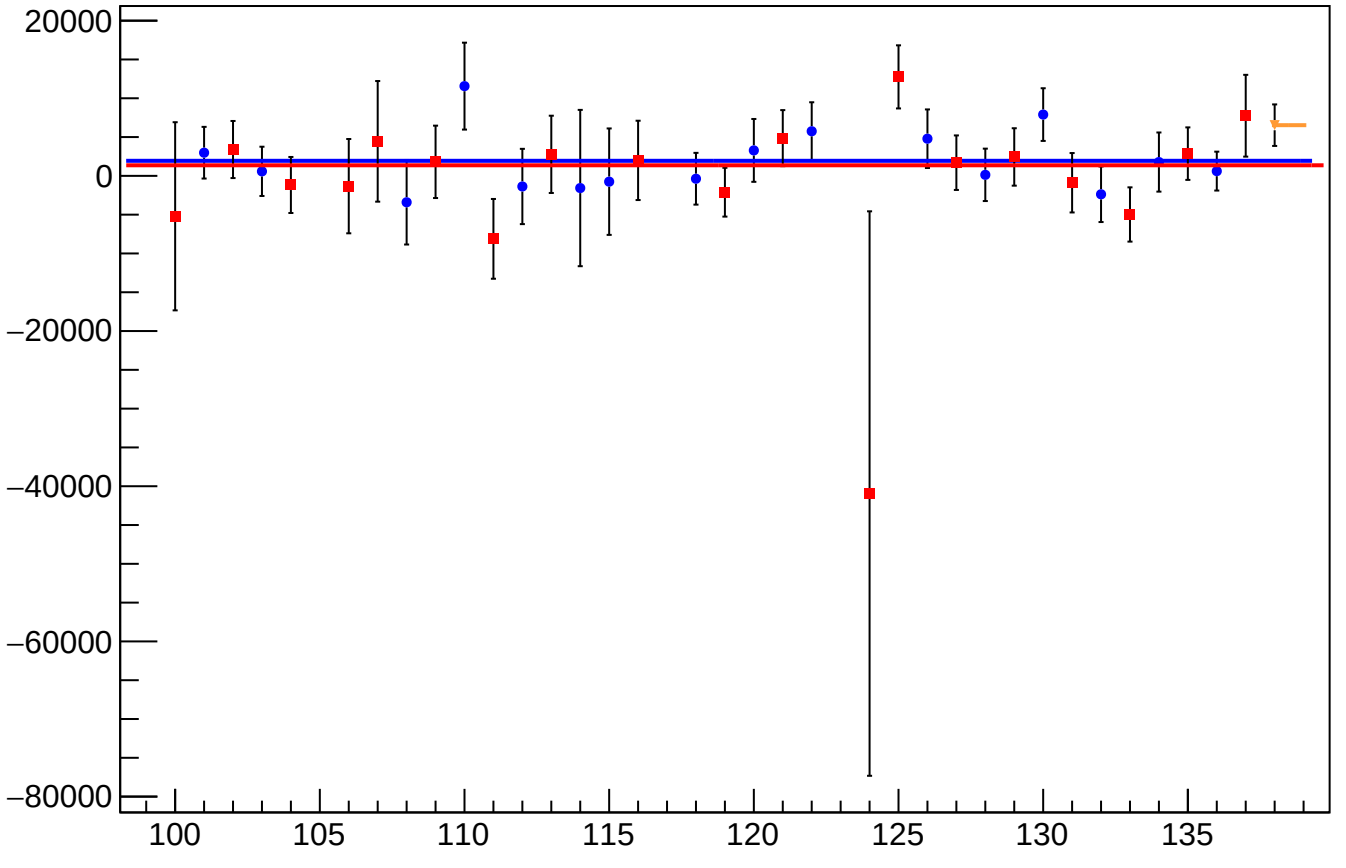
Left: 894.605+/-0.722 χ^2/NDF: 0.0/0

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 1019.514+/-0.287 χ^2/NDF:1364741.0/15

Out: 950.764+/-0.263 χ^2/NDF:2351400.9/19

All: 982.158+/-0.194 χ^2/NDF: 3747345.6/35



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 6532.111+/-2676.107 χ^2/NDF:0.0/0

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6532.111+/-2676.107 χ^2/NDF: 0.0/0

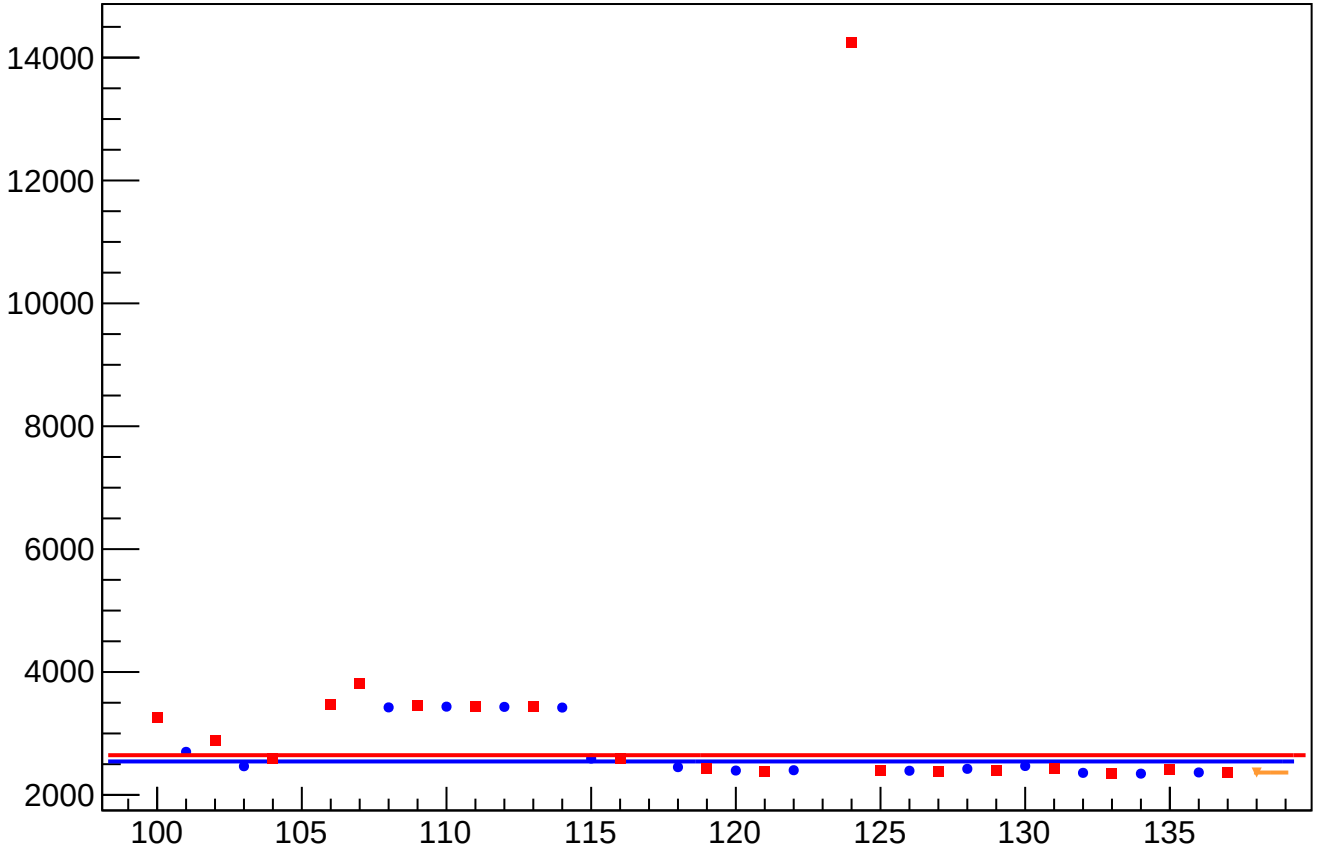
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1940.005+/-952.537 χ^2/NDF:12.2/15

Out: 1980.283+/-924.720 χ^2/NDF:25.0/19

All: 1960.741+/-663.492 χ^2/NDF: 37.2/35

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2364.098+/-0.892 χ^2/NDF:0.0/0

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

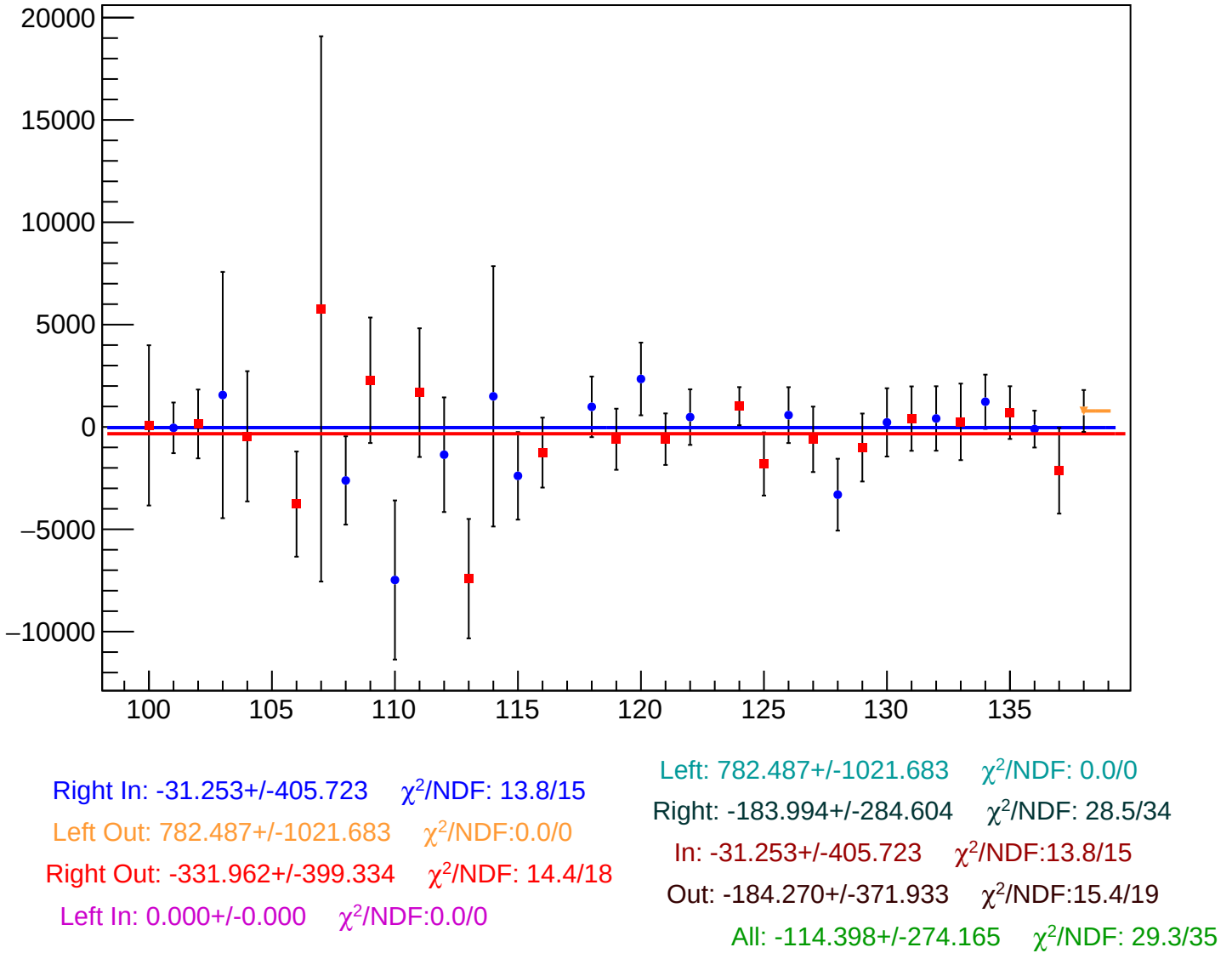
Left: 2364.098+/-1.892 χ^2/NDF: 0.0/0

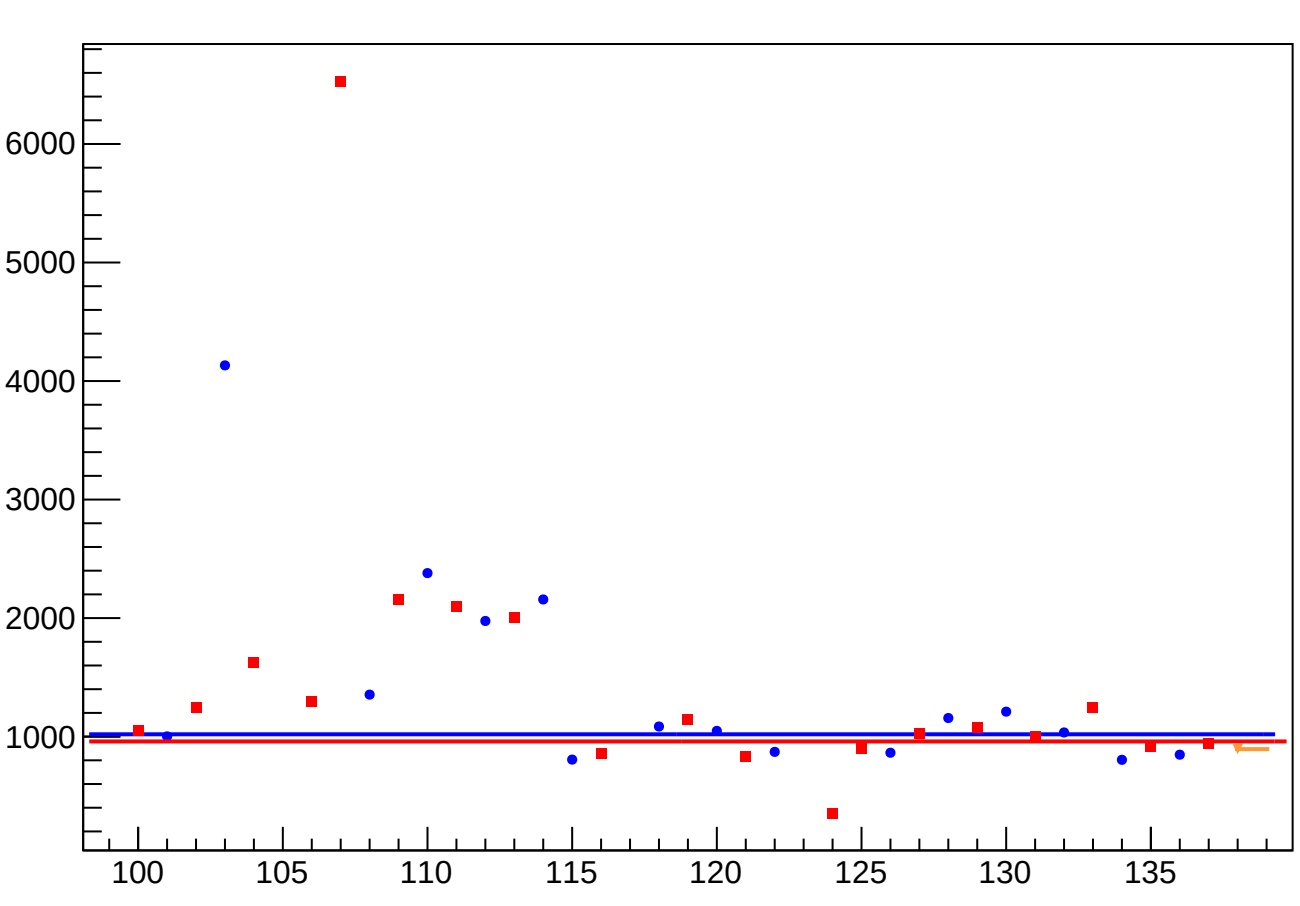
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2544.416+/-0.674 χ^2/NDF:225614.0/15

Out: 2612.519+/-0.654 χ^2/NDF:559118.2/19

All: 2579.476+/-0.469 χ^2/NDF: 789995.4/35


asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
Right In: -31.253+/-405.723 χ²/NDF: 13.8/15
Left Out: 782.487+/-1021.683 χ²/NDF:0.0/0
Right Out: -331.962+/-399.334 χ²/NDF: 14.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 782.487+/-1021.683 χ²/NDF: 0.0/0
Right: -183.994+/-284.604 χ²/NDF: 28.5/34
In: -31.253+/-405.723 χ²/NDF:13.8/15
Out: -184.270+/-371.933 χ²/NDF:15.4/19
All: -114.398+/-274.165 χ²/NDF: 29.3/35



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 894.605+/-0.722 χ^2/NDF:0.0/0

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

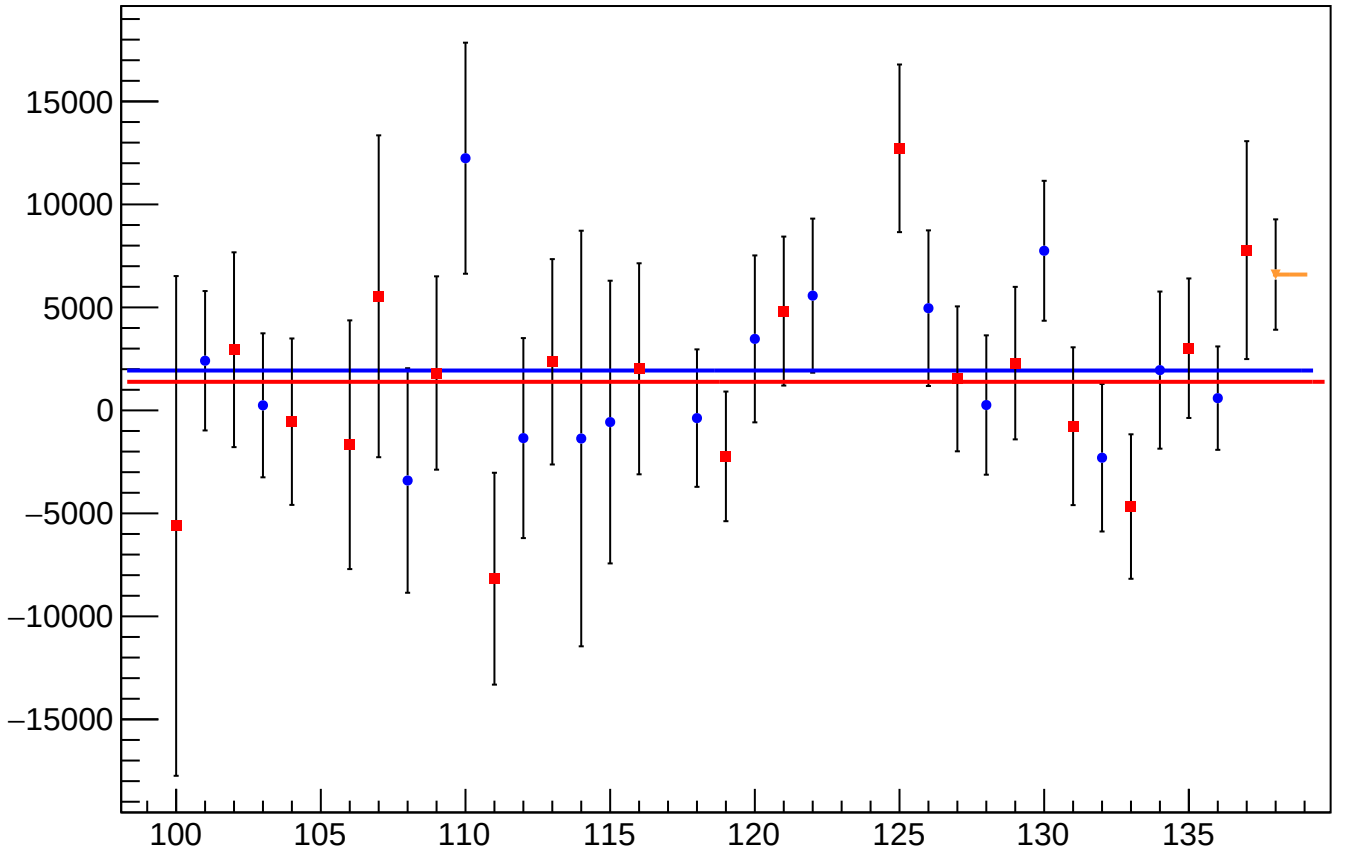
Left: 894.605+/-0.722 χ^2/NDF: 0.0/0

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 1019.514+/-0.287 χ^2/NDF:1364741.0/15

Out: 950.764+/-0.263 χ^2/NDF:2351400.9/19

All: 982.158+/-0.194 χ^2/NDF: 3747345.6/35



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 6595.237+/-2679.679 χ^2/NDF:0.0/0

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6595.237+/-2679.679 χ^2/NDF: 0.0/0

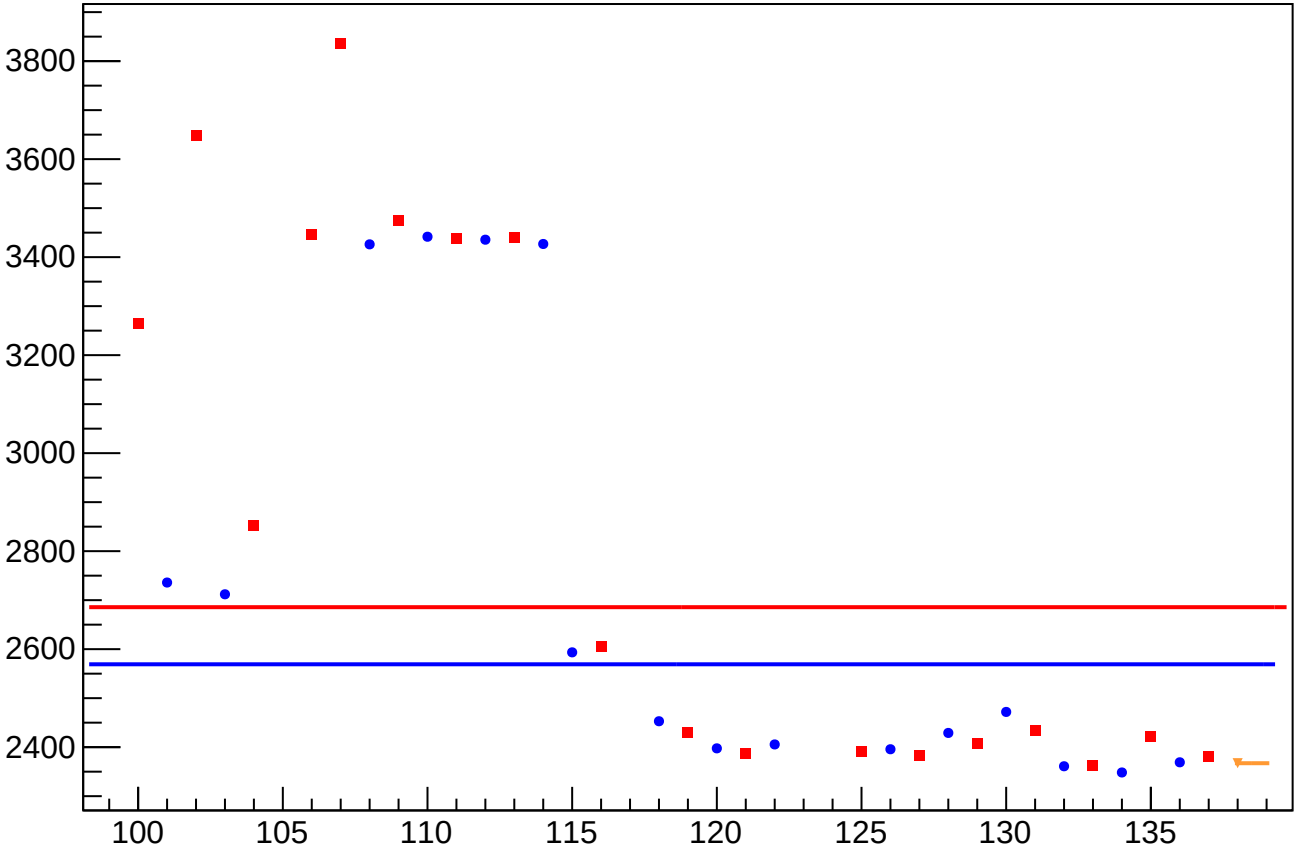
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1935.992+/-962.322 χ^2/NDF:12.4/15

Out: 2034.330+/-944.364 χ^2/NDF:23.1/18

All: 1986.087+/-674.026 χ^2/NDF: 35.4/34

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2367.251+/-0.895 χ^2/NDF:0.0/0

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

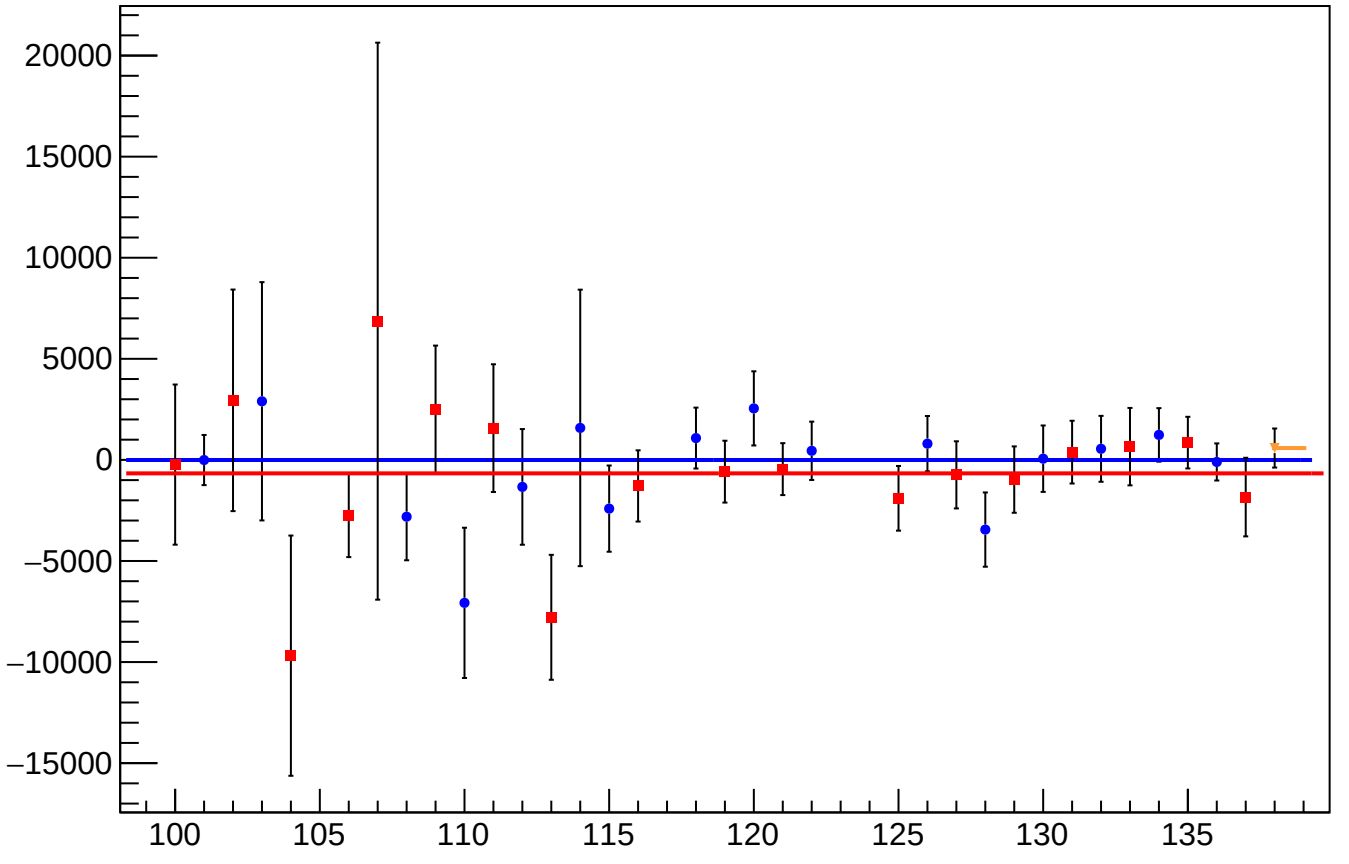
Left: 2367.251+/-1.895 χ^2/NDF: 0.0/0

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2569.130+/-0.680 χ^2/NDF:229487.5/15

Out: 2646.127+/-0.668 χ^2/NDF:443998.0/18

All: 2608.354+/-0.477 χ^2/NDF: 680008.0/34



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 586.370+/-966.152 χ^2/NDF:0.0/0

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

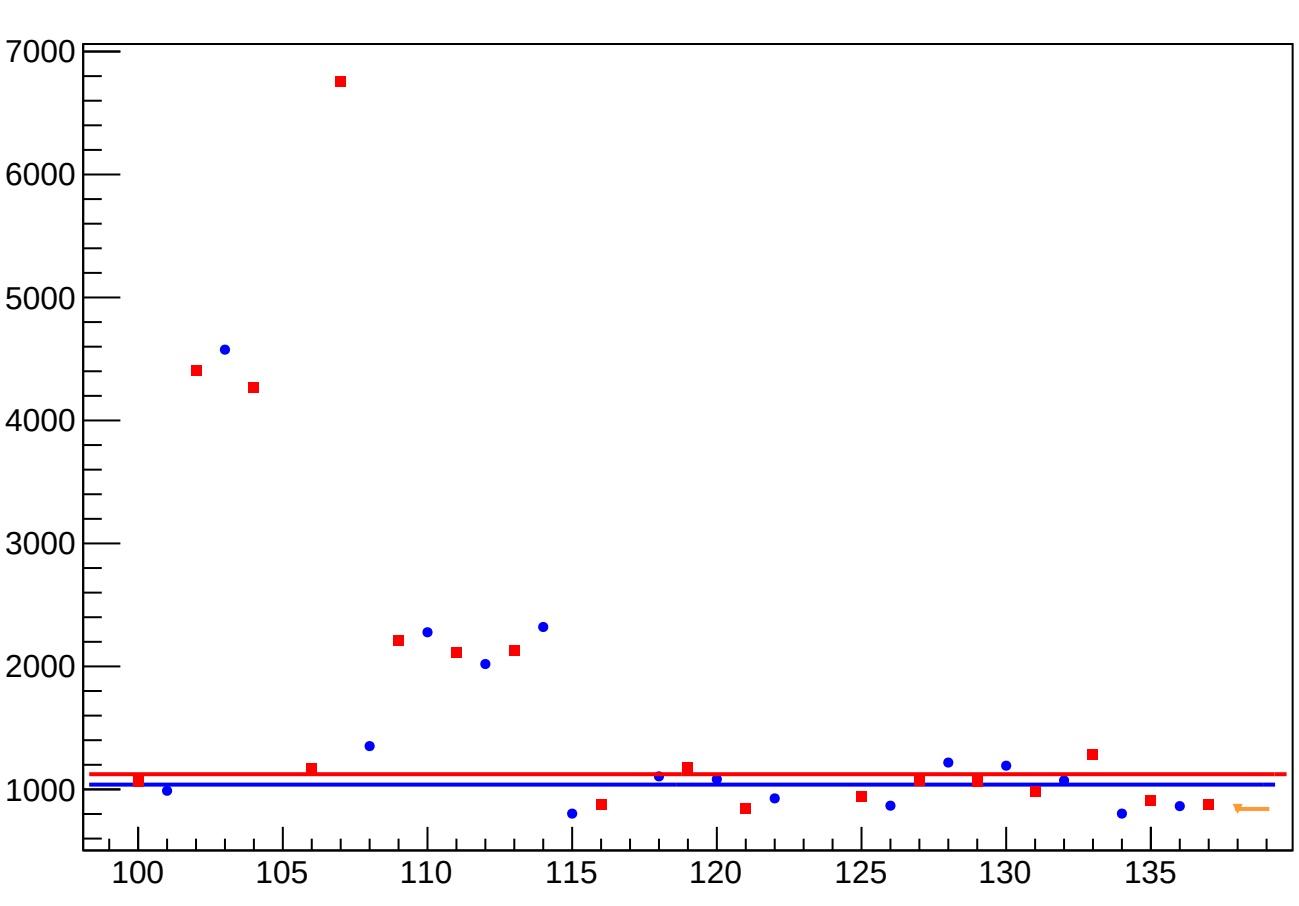
Left: 586.370+/-966.152 χ^2/NDF: 0.0/0

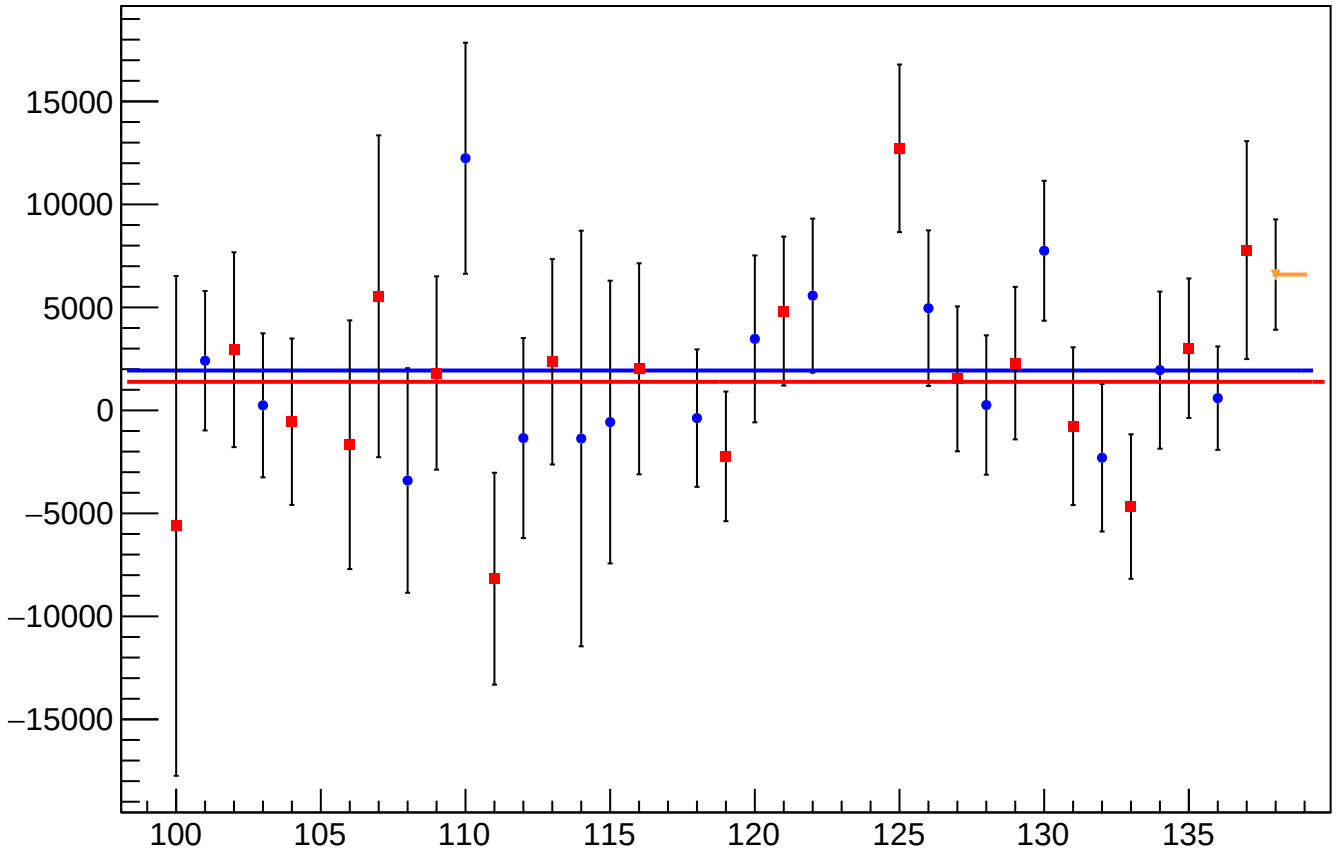
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -5.169+/-412.248 χ^2/NDF:14.5/15

Out: -434.109+/-415.705 χ^2/NDF:15.7/18

All: -217.848+/-292.718 χ^2/NDF: 30.8/34


asym_atl1_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
105
110
115
120
125
130
135
Right In: 1038.803+/-0.292 χ²/NDF: 1539731.1/15
Left Out: 840.934+/-0.683 χ²/NDF:0.0/0
Right Out: 1123.474+/-0.326 χ²/NDF: 2535511.7/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 840.934+/-0.683 χ²/NDF: 0.0/0
Right: 1076.470+/-0.217 χ²/NDF: 4112776.2/33
In: 1038.803+/-0.292 χ²/NDF:1539731.1/15
Out: 1071.167+/-0.294 χ²/NDF:2674887.4/18
All: 1054.850+/-0.207 χ²/NDF: 4220730.4/34



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 6595.241+/-2679.679 χ^2/NDF:0.0/0

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6595.241+/-2679.679 χ^2/NDF: 0.0/0

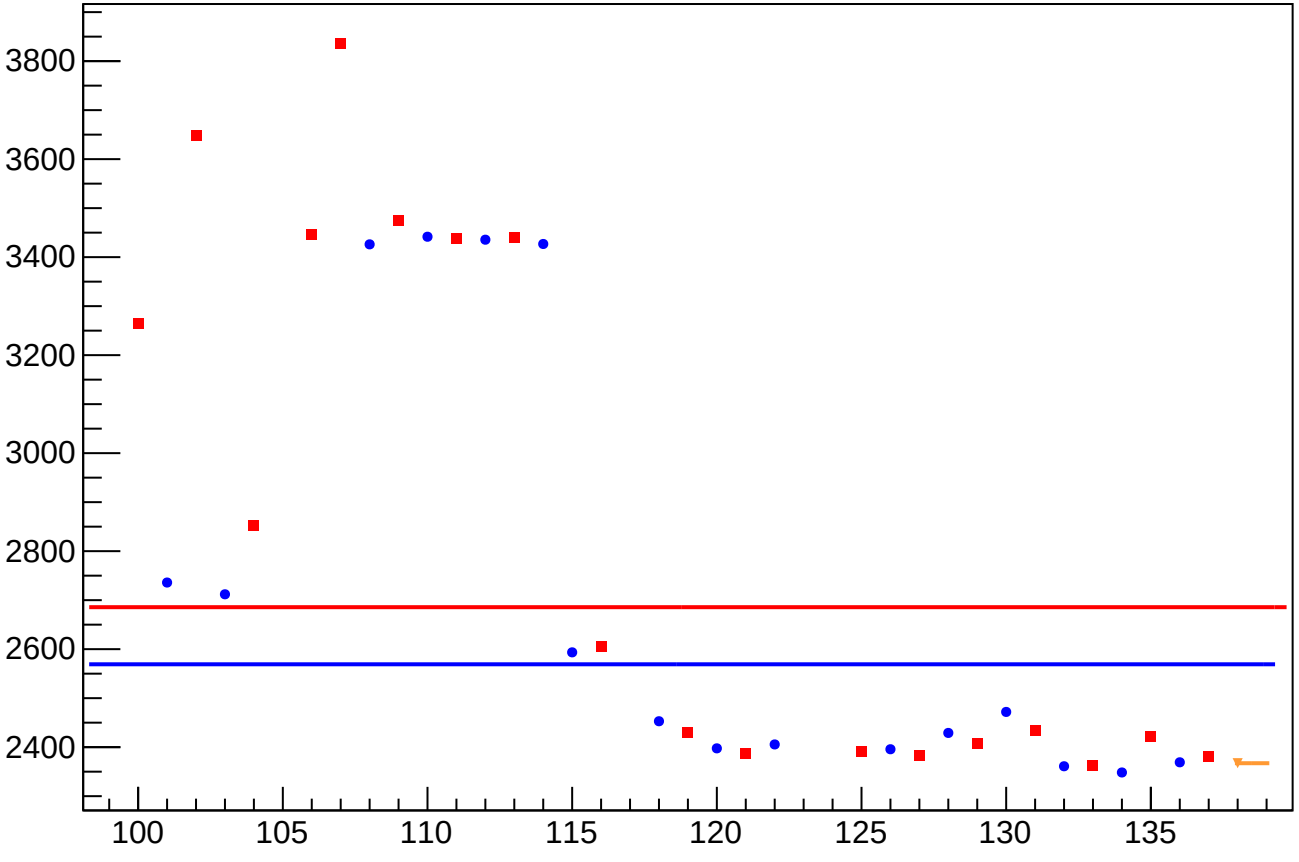
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1935.988+/-962.322 χ^2/NDF:12.4/15

Out: 2034.328+/-944.364 χ^2/NDF:23.1/18

All: 1986.085+/-674.025 χ^2/NDF: 35.4/34

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2367.251+/-0.895 χ^2/NDF:0.0/0

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

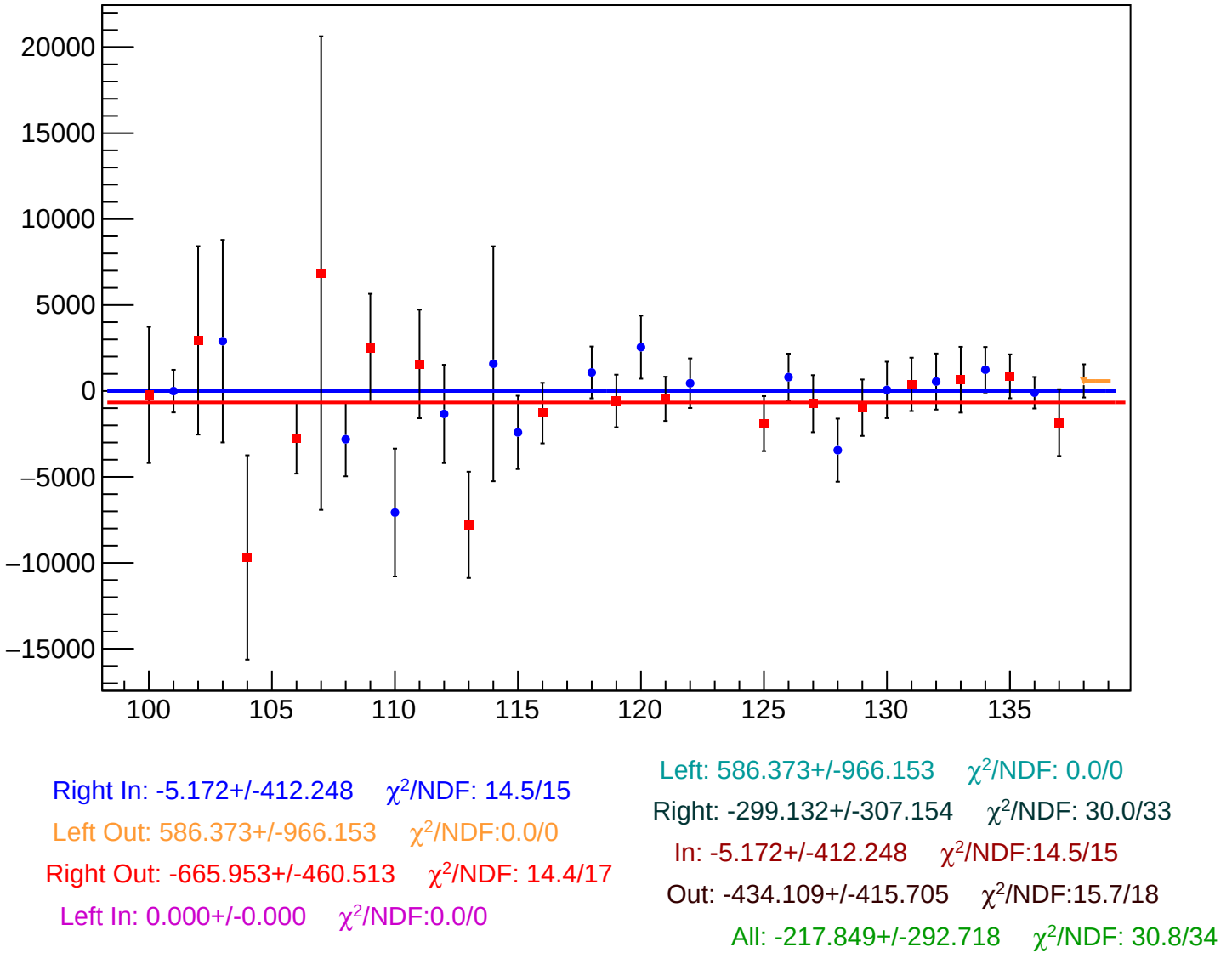
Left: 2367.251+/-1.895 χ^2/NDF: 0.0/0

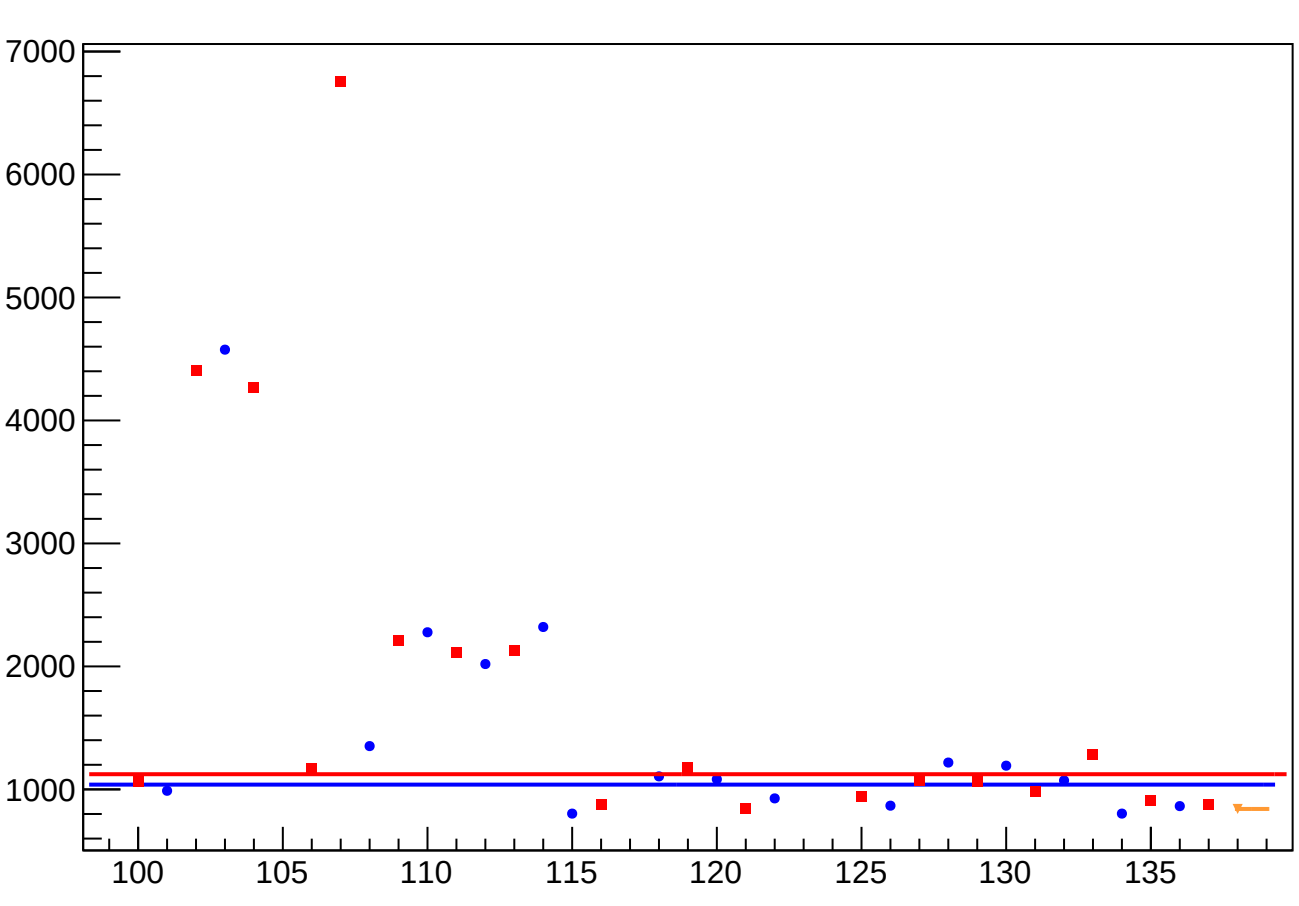
Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2569.130+/-0.680 χ^2/NDF:229487.3/15

Out: 2646.127+/-0.668 χ^2/NDF:443997.3/18

All: 2608.353+/-0.477 χ^2/NDF: 680007.1/34


asym_atl1_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
Right In: -5.172+/-412.248 χ²/NDF: 14.5/15
Left Out: 586.373+/-966.153 χ²/NDF:0.0/0
Right Out: -665.953+/-460.513 χ²/NDF: 14.4/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 586.373+/-966.153 χ²/NDF: 0.0/0
Right: -299.132+/-307.154 χ²/NDF: 30.0/33
In: -5.172+/-412.248 χ²/NDF:14.5/15
Out: -434.109+/-415.705 χ²/NDF:15.7/18
All: -217.849+/-292.718 χ²/NDF: 30.8/34



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 840.934+/-0.683 χ^2/NDF:0.0/0

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

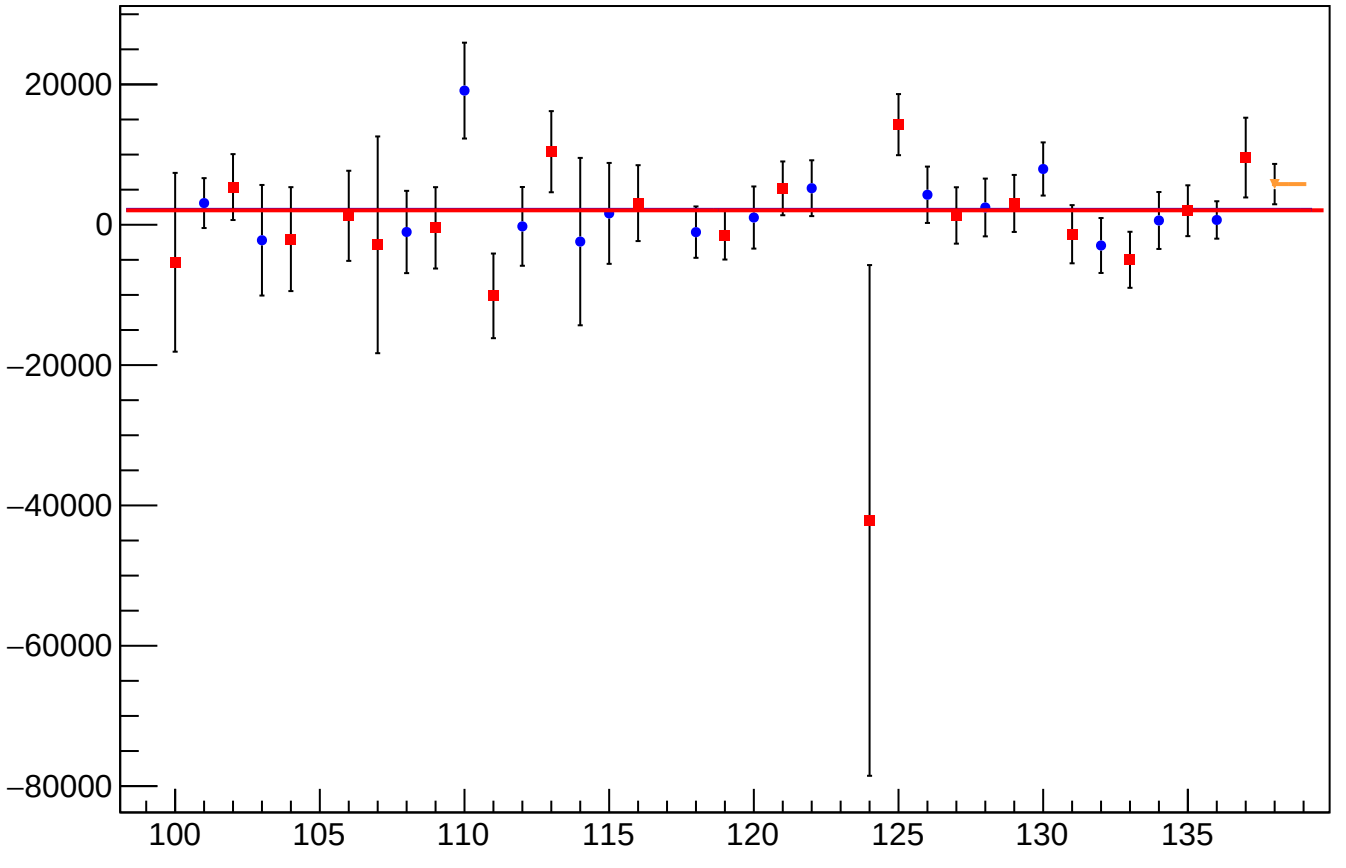
Left: 840.934+/-0.683 χ^2/NDF: 0.0/0

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 1038.804+/-0.292 χ^2/NDF:1539724.8/15

Out: 1071.167+/-0.294 χ^2/NDF:2674885.4/18

All: 1054.850+/-0.207 χ^2/NDF: 4220721.8/34



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 5794.621+/-2875.634 χ^2/NDF:0.0/0

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 5794.621+/-2875.634 χ^2/NDF: 0.0/0

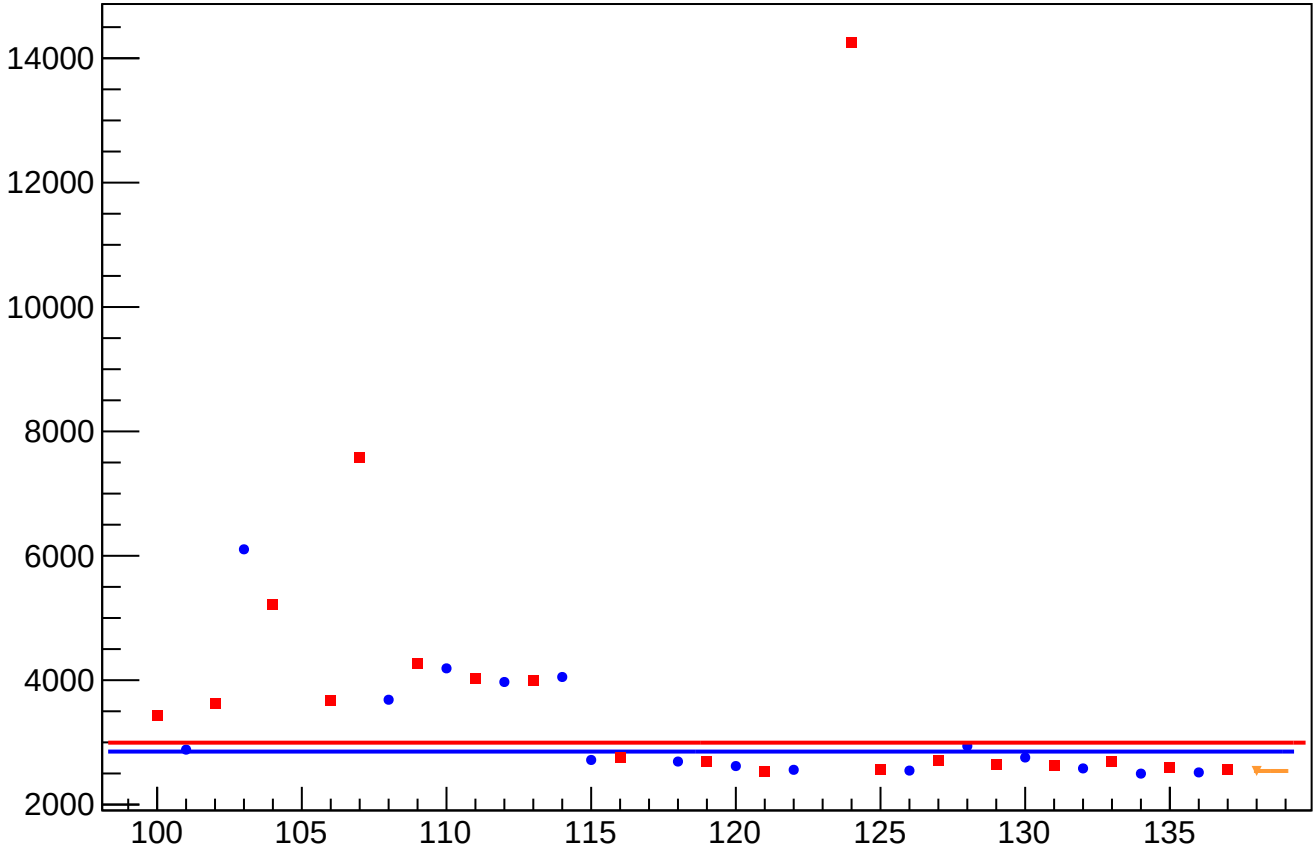
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 2121.991+/-1084.700 χ^2/NDF:13.4/15

Out: 2564.542+/-1057.195 χ^2/NDF:25.8/19

All: 2348.948+/-757.087 χ^2/NDF: 39.2/35

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2540.064+/-2.033 χ^2/NDF:0.0/0

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

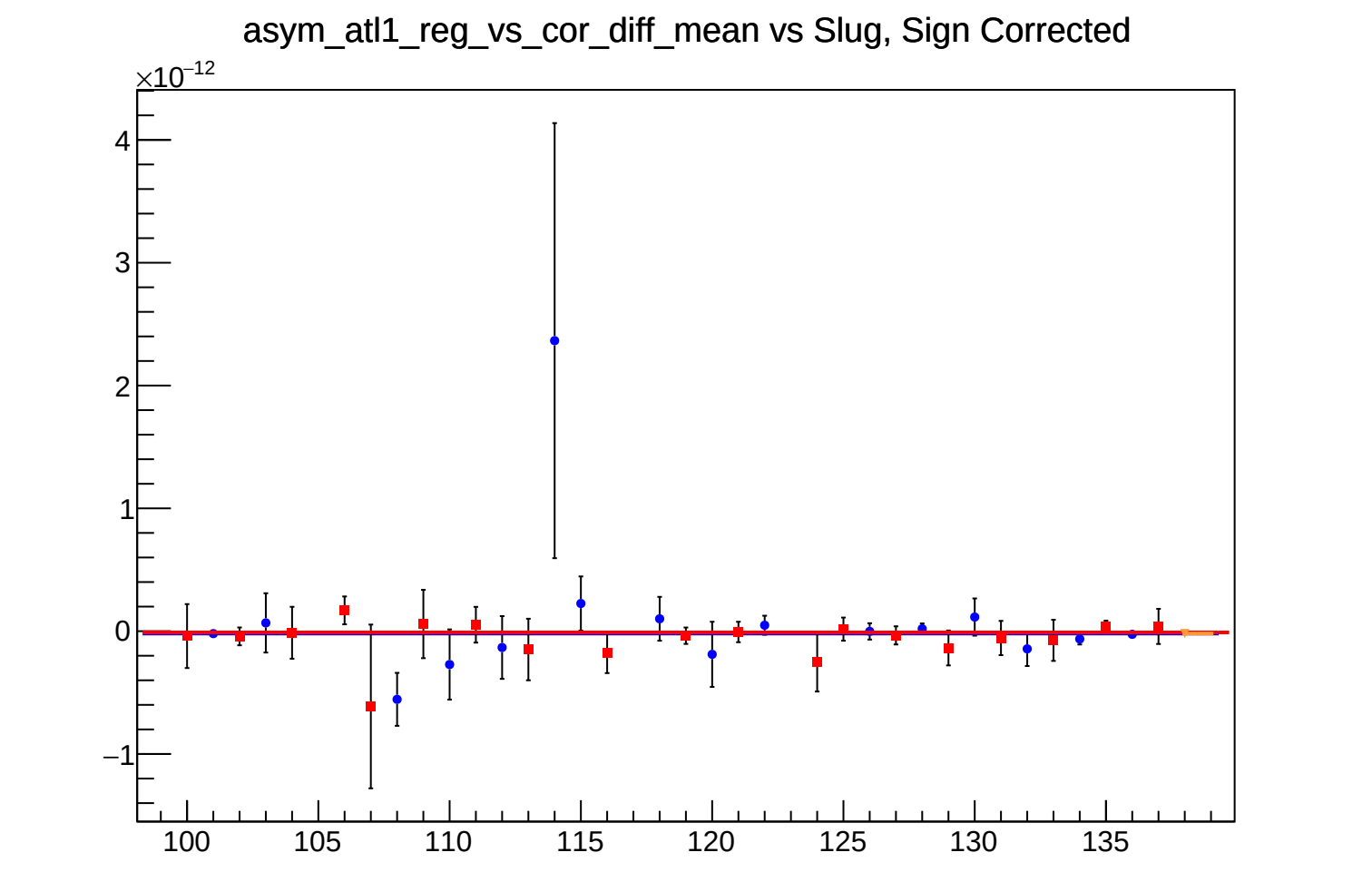
Left: 2540.064+/-2.033 χ^2/NDF: 0.0/0

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2852.206+/-0.767 χ^2/NDF:648715.2/15

Out: 2933.966+/-0.748 χ^2/NDF:1022559.8/19

All: 2894.136+/-0.535 χ^2/NDF: 1677102.5/35



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

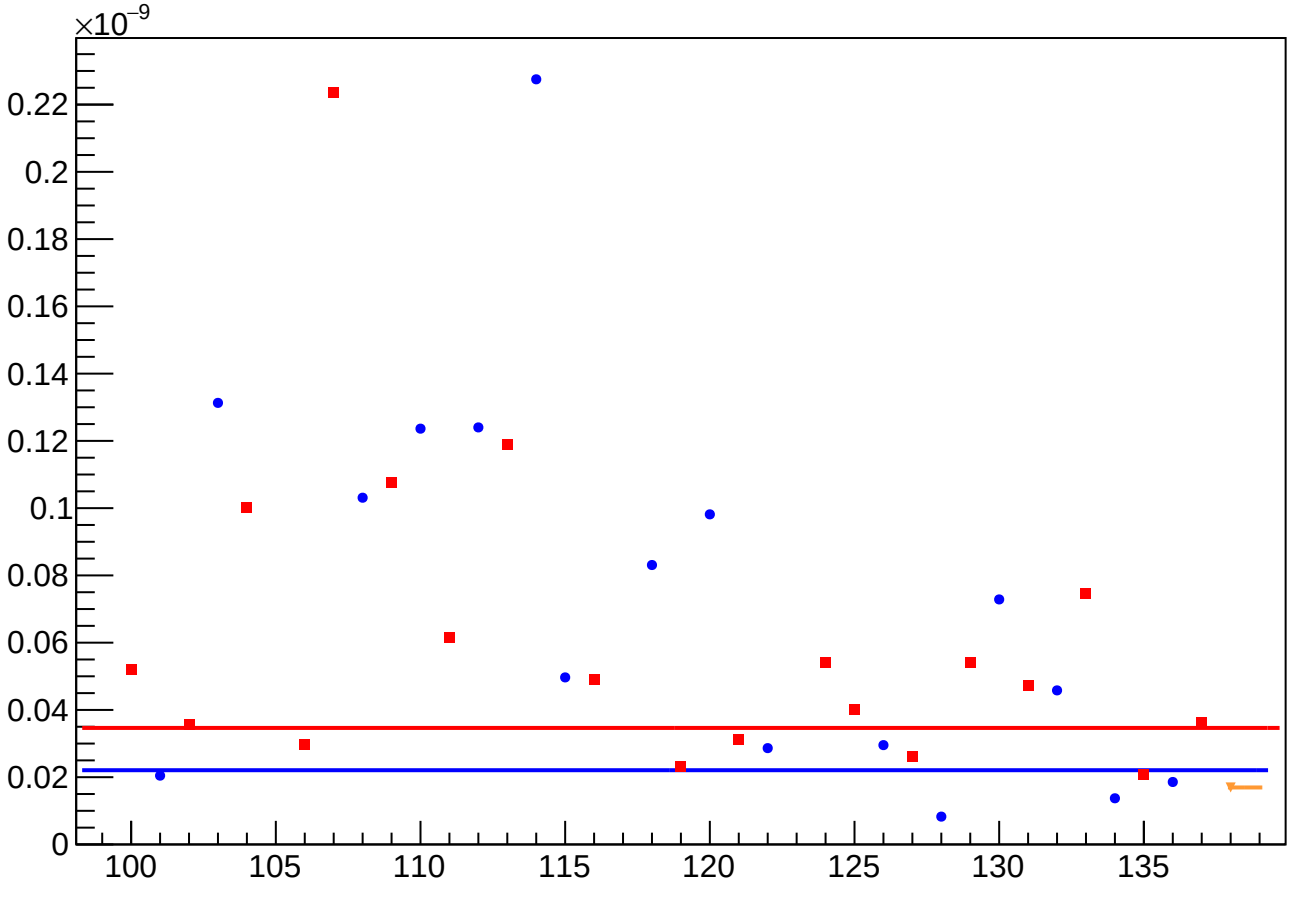
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:15.4/15

Out: -0.000+/-0.000 χ^2/NDF:8.4/19

All: -0.000+/-0.000 χ^2/NDF: 23.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

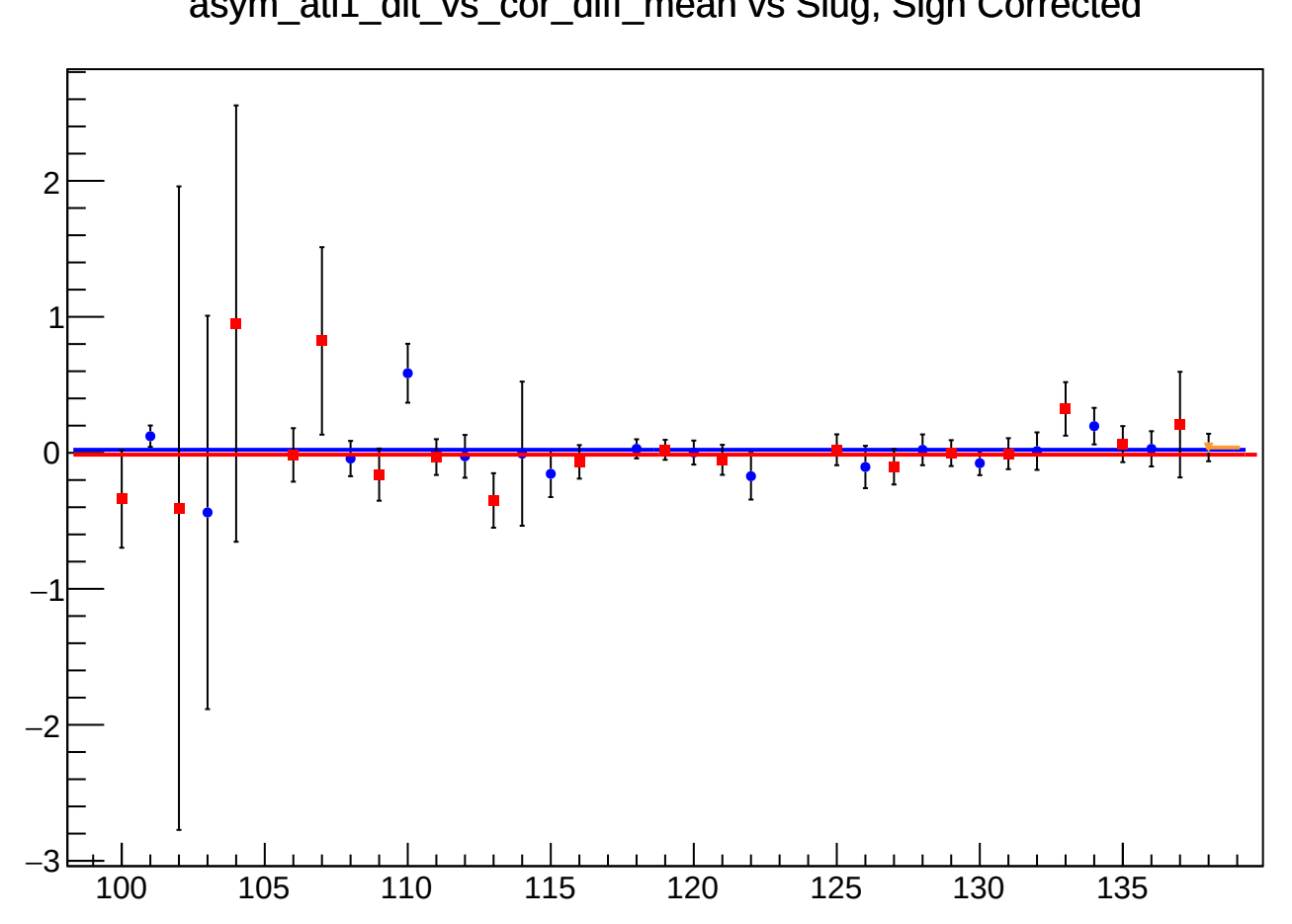
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:2344133.8/15

Out: 0.000+/-0.000 χ^2/NDF:1731731.3/19

All: 0.000+/-0.000 χ^2/NDF: 4137193.7/35



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.039+/-0.101 χ^2/NDF:0.0/0

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

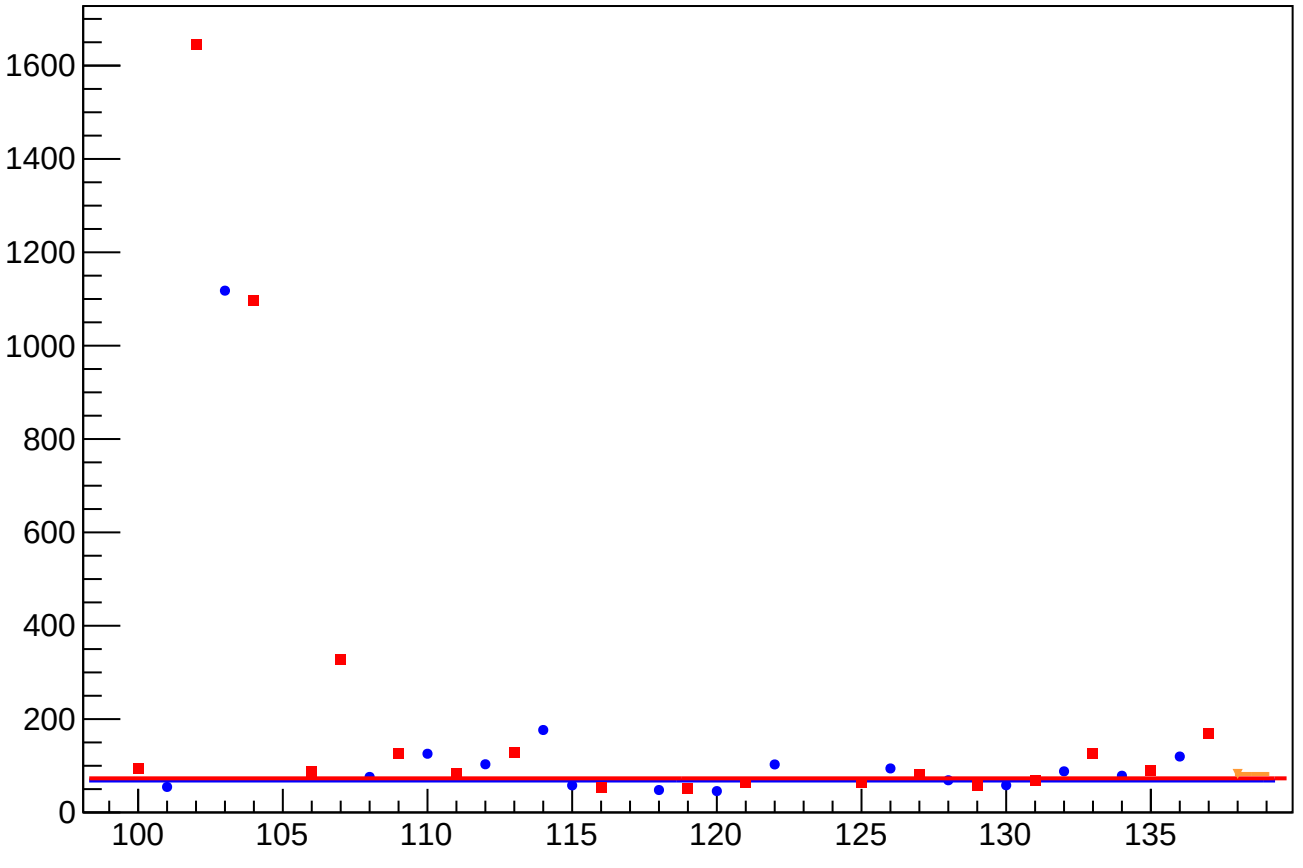
Left: 0.039+/-0.101 χ^2/NDF: 0.0/0

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.022+/-0.030 χ^2/NDF:14.8/15

Out: -0.008+/-0.032 χ^2/NDF:11.1/18

All: 0.008+/-0.022 χ^2/NDF: 26.4/34



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 82.449+/-0.072 χ^2/NDF:0.0/0

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

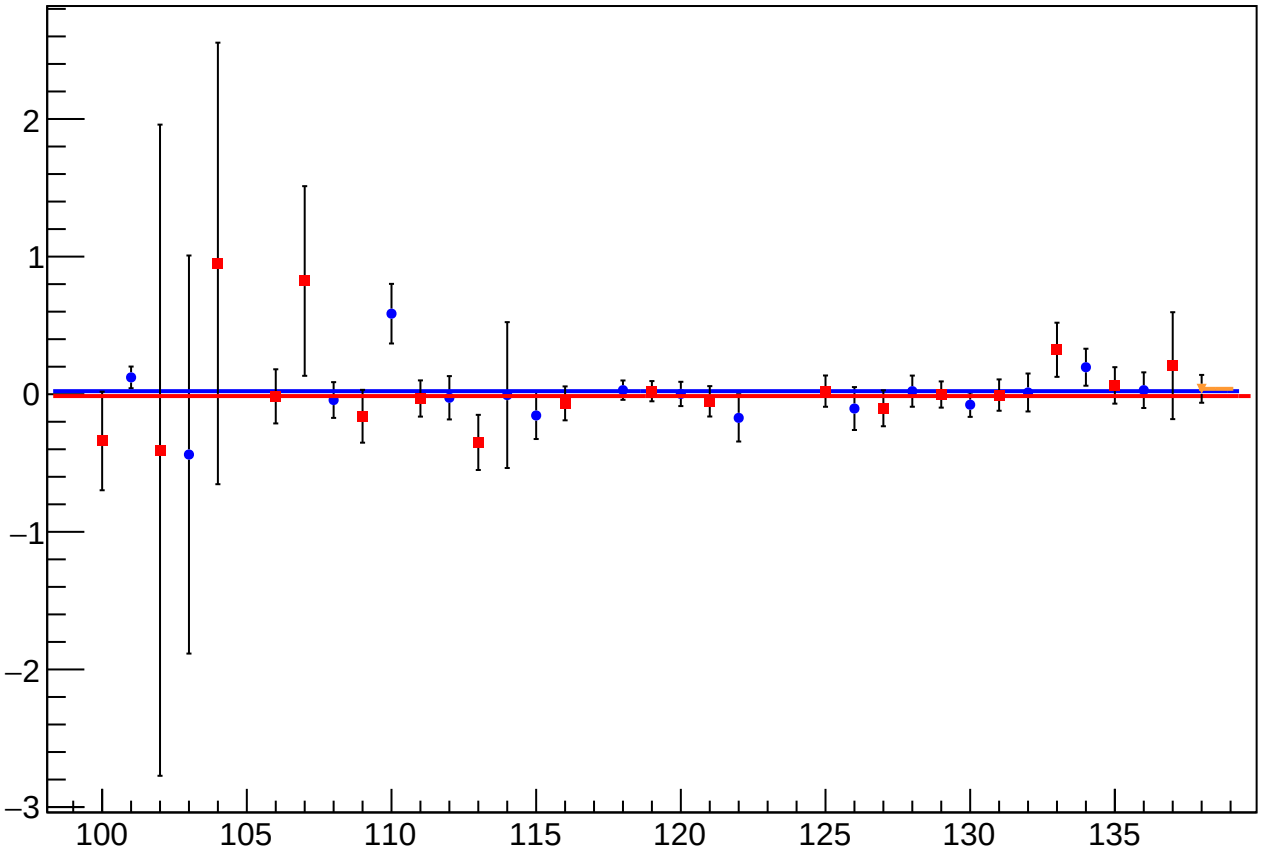
Left: 82.449+/-0.072 χ^2/NDF: 0.0/0

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 68.429+/-0.021 χ^2/NDF:2278083.9/15

Out: 73.998+/-0.022 χ^2/NDF:2928634.9/18

All: 71.067+/-0.015 χ^2/NDF: 5239031.8/34



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.039+/-0.101 χ^2/NDF:0.0/0

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

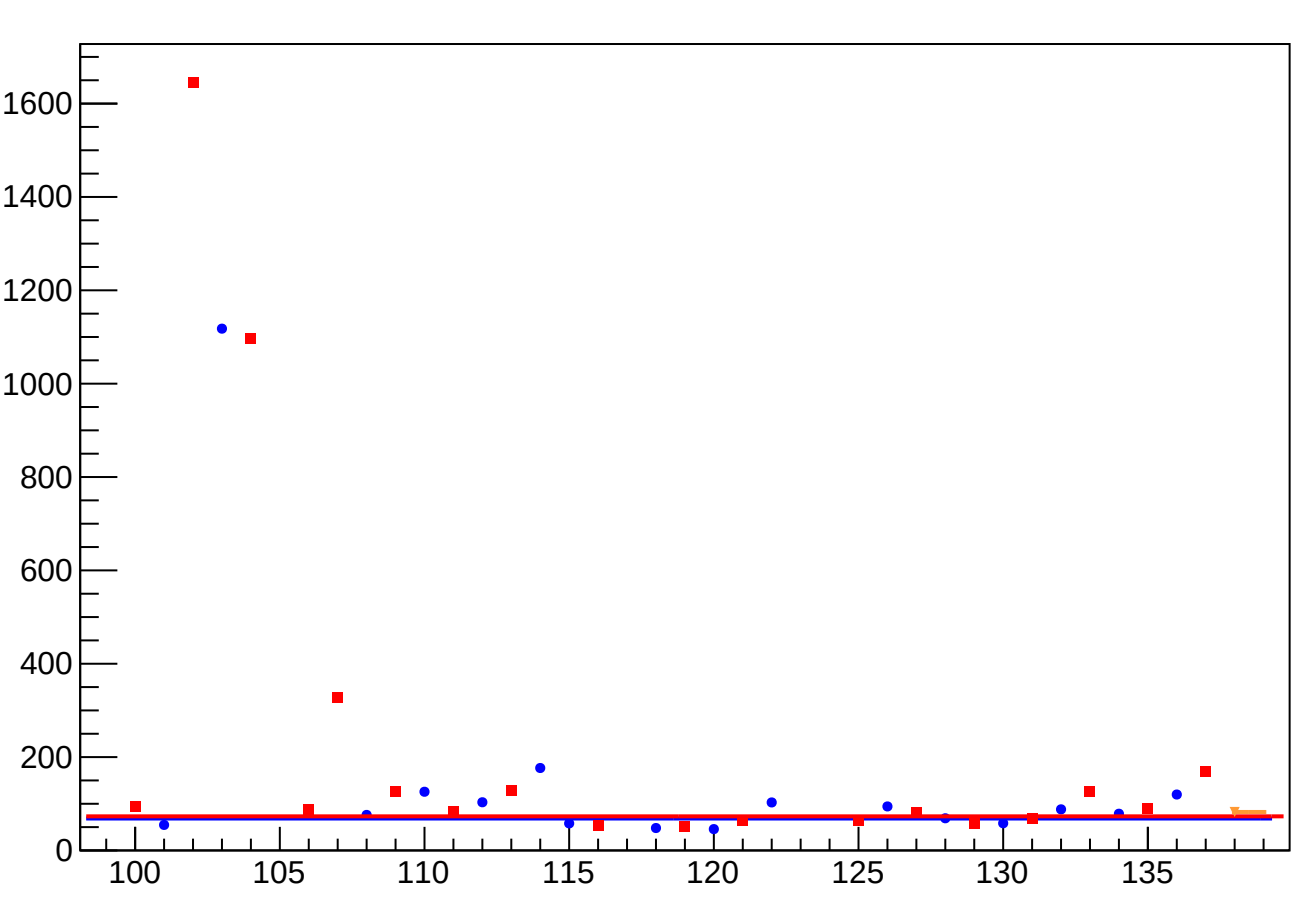
Left: 0.039+/-0.101 χ^2/NDF: 0.0/0

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.022+/-0.030 χ^2/NDF:14.8/15

Out: -0.008+/-0.032 χ^2/NDF:11.1/18

All: 0.008+/-0.022 χ^2/NDF: 26.4/34



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 82.449+/-0.072 χ^2/NDF:0.0/0

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

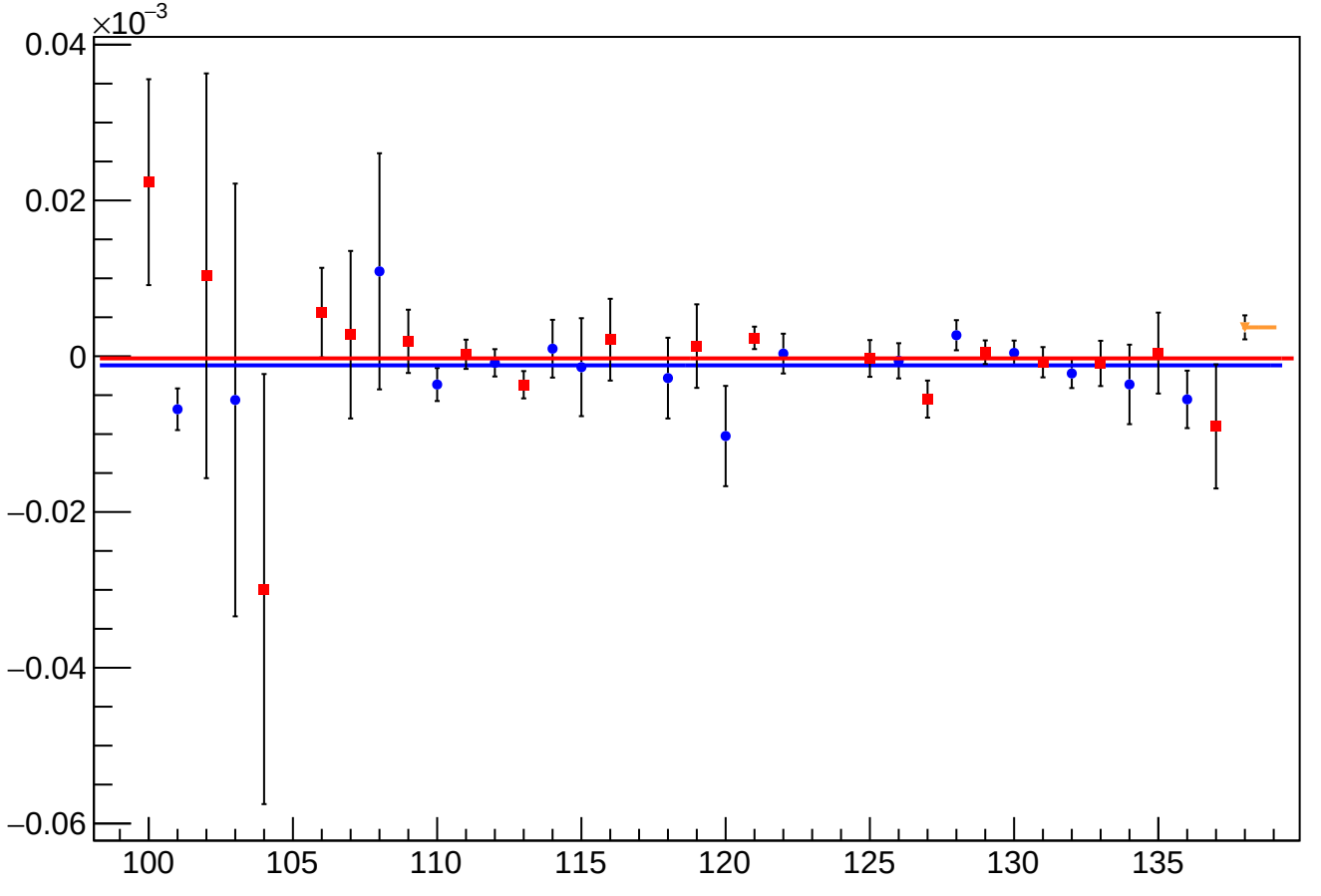
Left: 82.449+/-0.072 χ^2/NDF: 0.0/0

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 68.429+/-0.021 χ^2/NDF:2278083.9/15

Out: 73.998+/-0.022 χ^2/NDF:2928634.9/18

All: 71.067+/-0.015 χ^2/NDF: 5239031.8/34



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

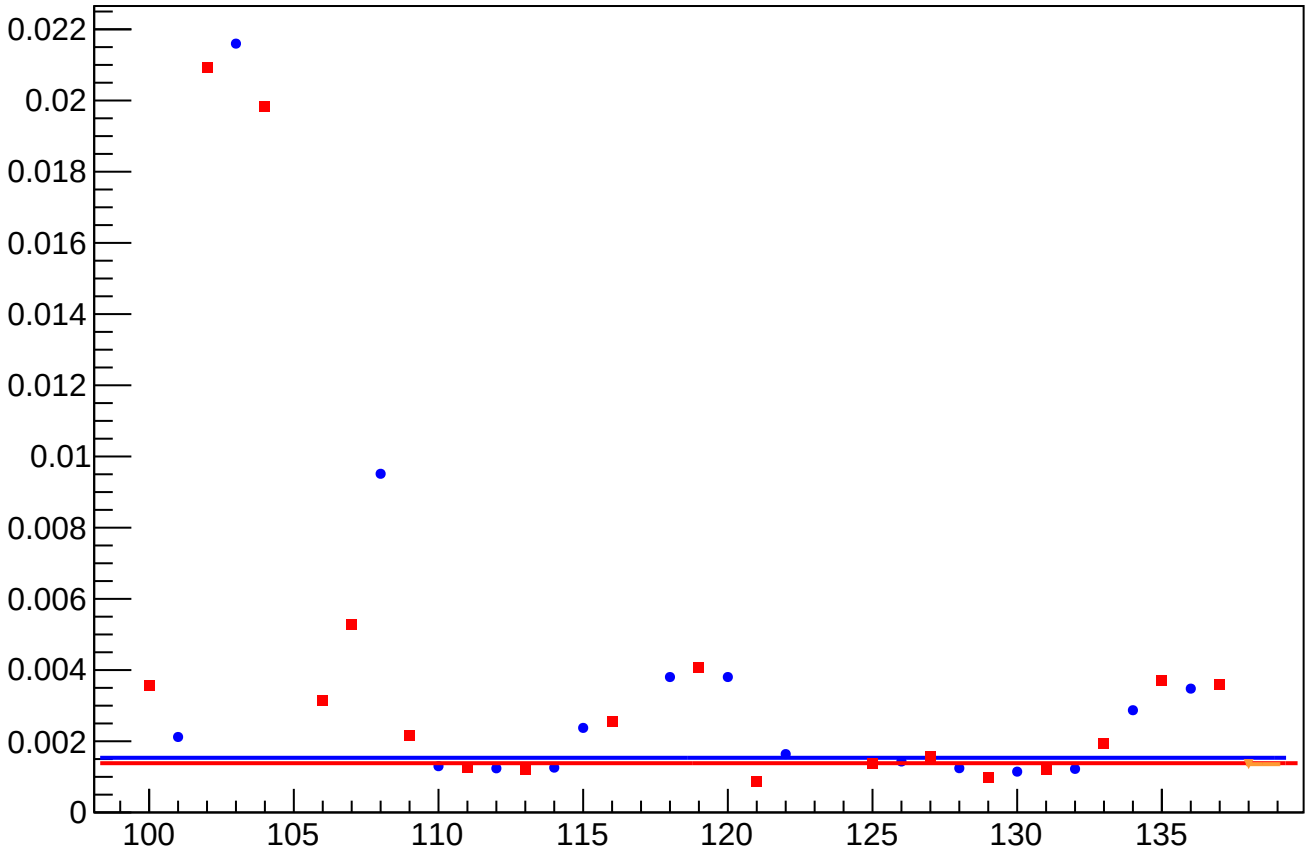
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:16.3/15

Out: 0.000+/-0.000 χ^2/NDF:25.3/18

All: -0.000+/-0.000 χ^2/NDF: 44.3/34



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

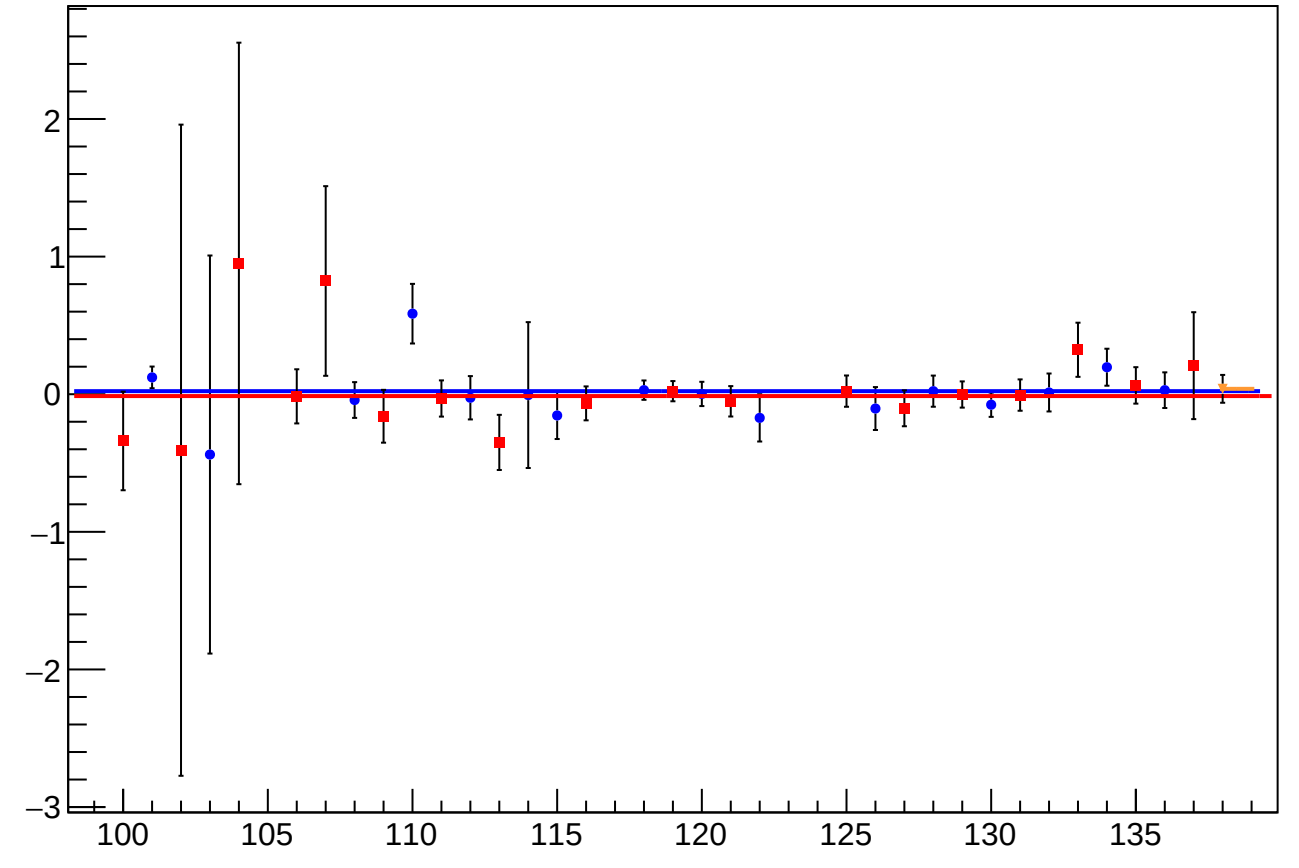
Left: 0.001+/-0.000 χ^2/NDF: 0.0/0

Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:3373907.9/15

Out: 0.001+/-0.000 χ^2/NDF:4269611.2/18

All: 0.001+/-0.000 χ^2/NDF: 7705548.7/34



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.039+/-0.101 χ^2/NDF:0.0/0

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

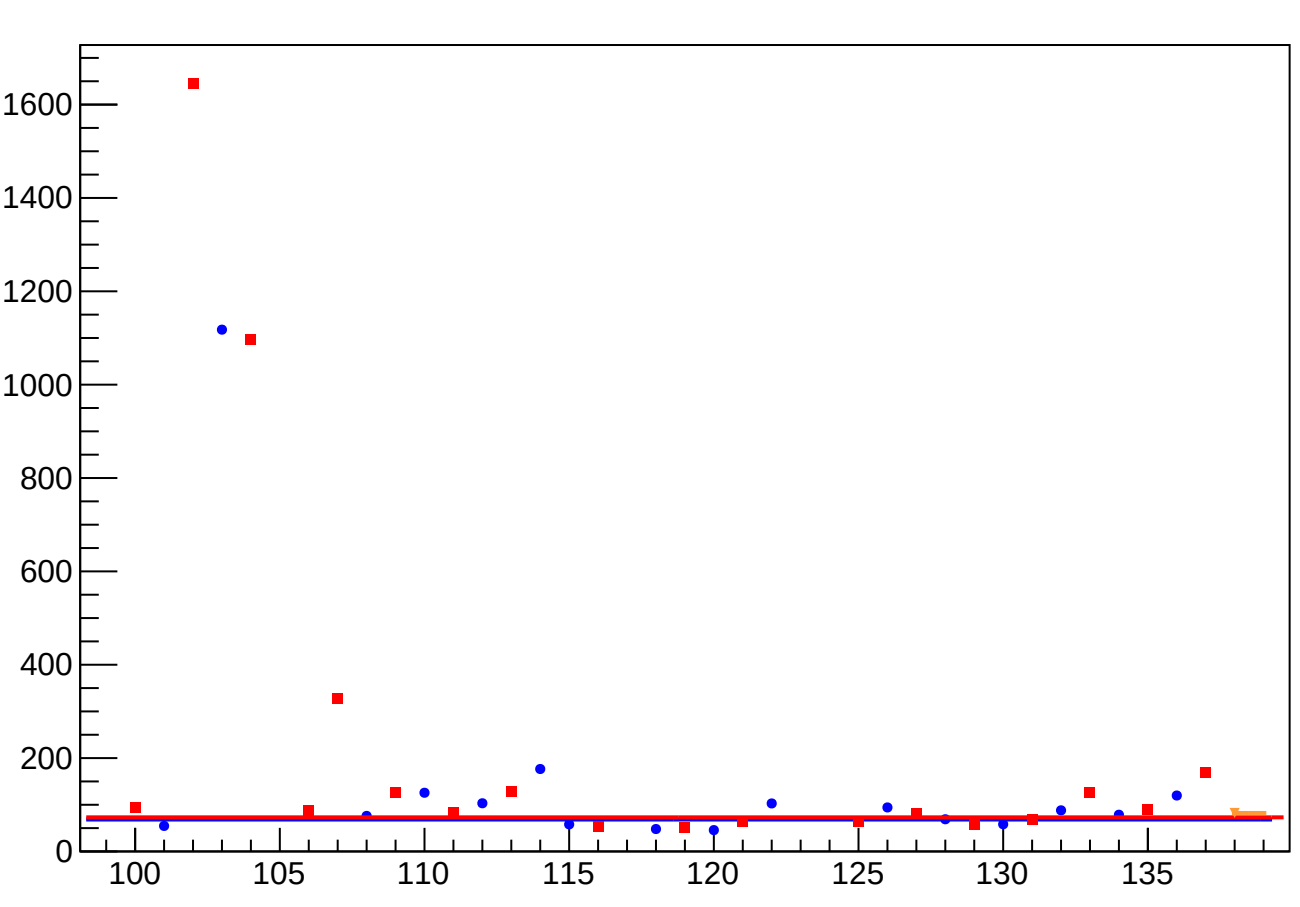
Left: 0.039+/-0.101 χ^2/NDF: 0.0/0

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.022+/-0.030 χ^2/NDF:14.8/15

Out: -0.008+/-0.032 χ^2/NDF:11.1/18

All: 0.008+/-0.022 χ^2/NDF: 26.4/34



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 82.449+/-0.072 χ^2/NDF:0.0/0

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

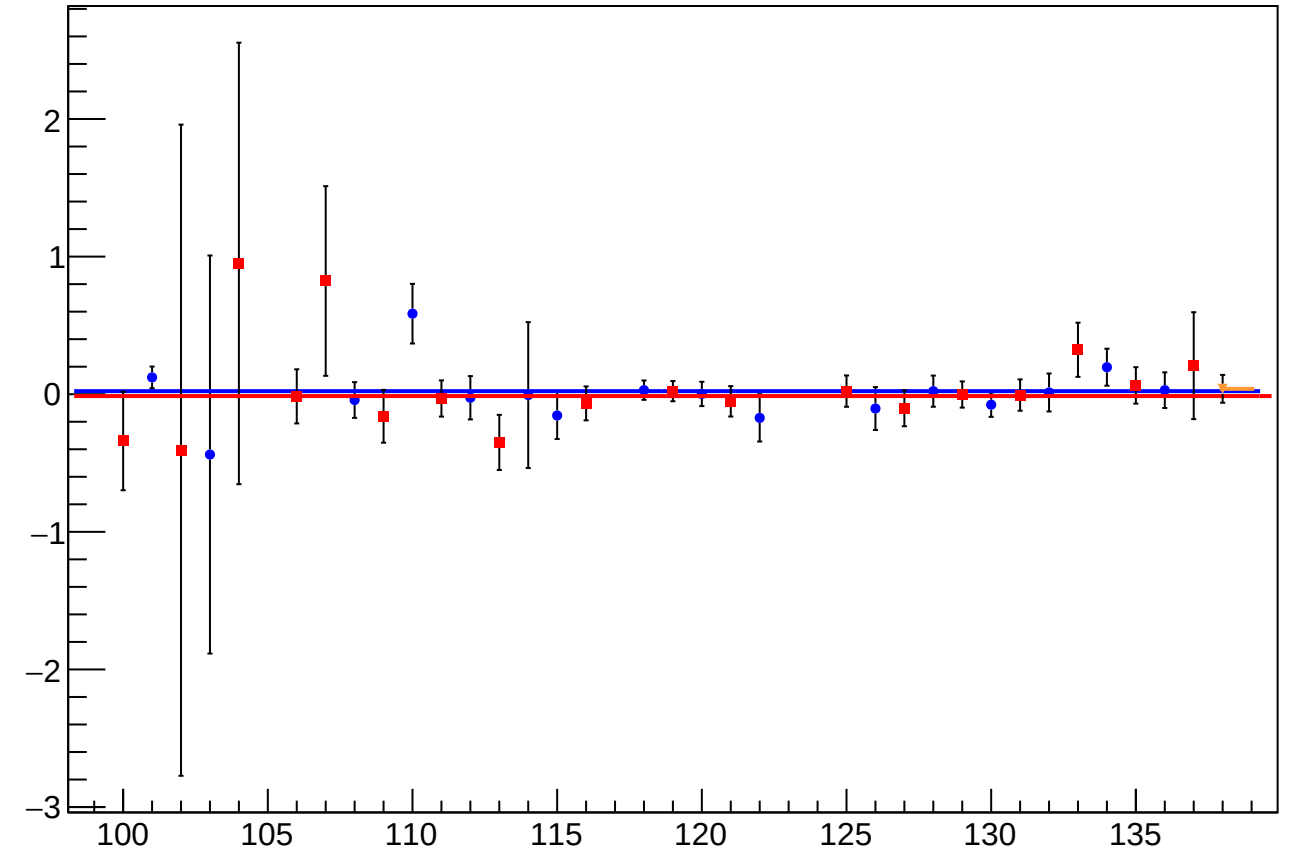
Left: 82.449+/-0.072 χ^2/NDF: 0.0/0

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 68.428+/-0.021 χ^2/NDF:2278168.9/15

Out: 73.997+/-0.022 χ^2/NDF:2928651.7/18

All: 71.066+/-0.015 χ^2/NDF: 5239139.7/34



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.039+/-0.101 χ^2/NDF:0.0/0

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.039+/-0.101 χ^2/NDF: 0.0/0

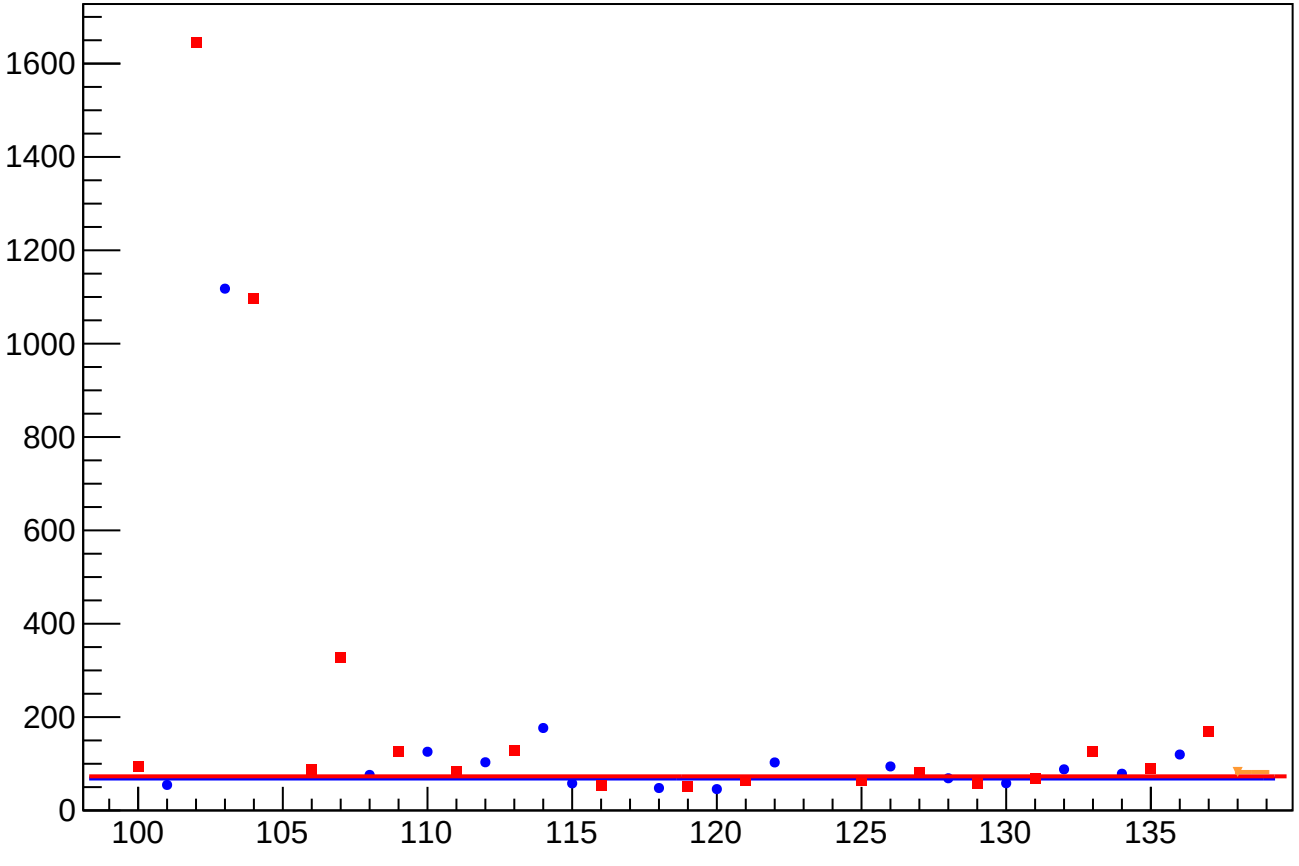
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.022+/-0.030 χ^2/NDF:14.8/15

Out: -0.008+/-0.032 χ^2/NDF:11.1/18

All: 0.008+/-0.022 χ^2/NDF: 26.4/34

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: 82.449+/-0.072 χ^2/NDF:0.0/0

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

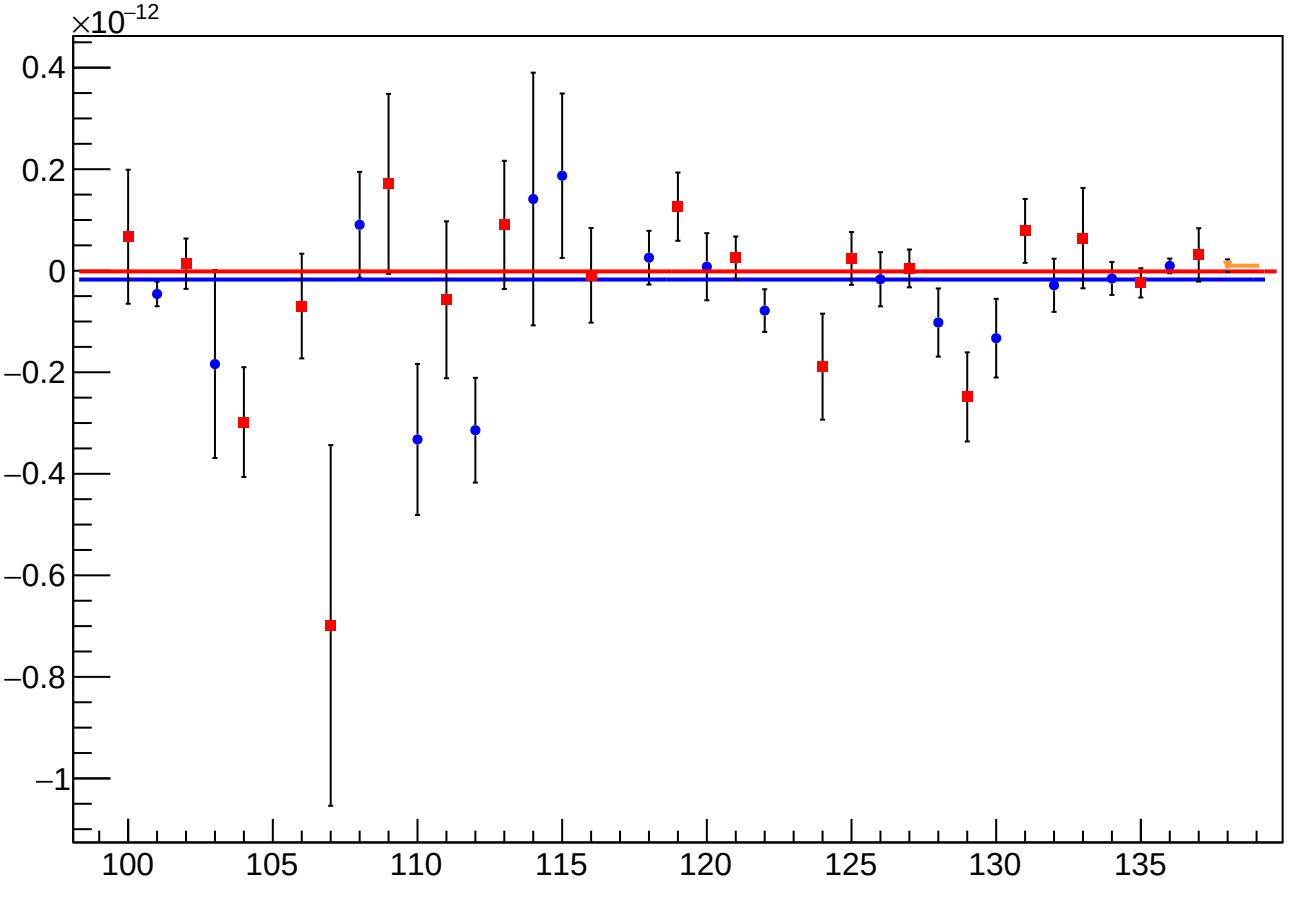
Left: 82.449+/-0.072 χ^2/NDF: 0.0/0

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 68.428+/-0.021 χ^2/NDF:2278168.9/15

Out: 73.997+/-0.022 χ^2/NDF:2928651.7/18

All: 71.066+/-0.015 χ^2/NDF: 5239139.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

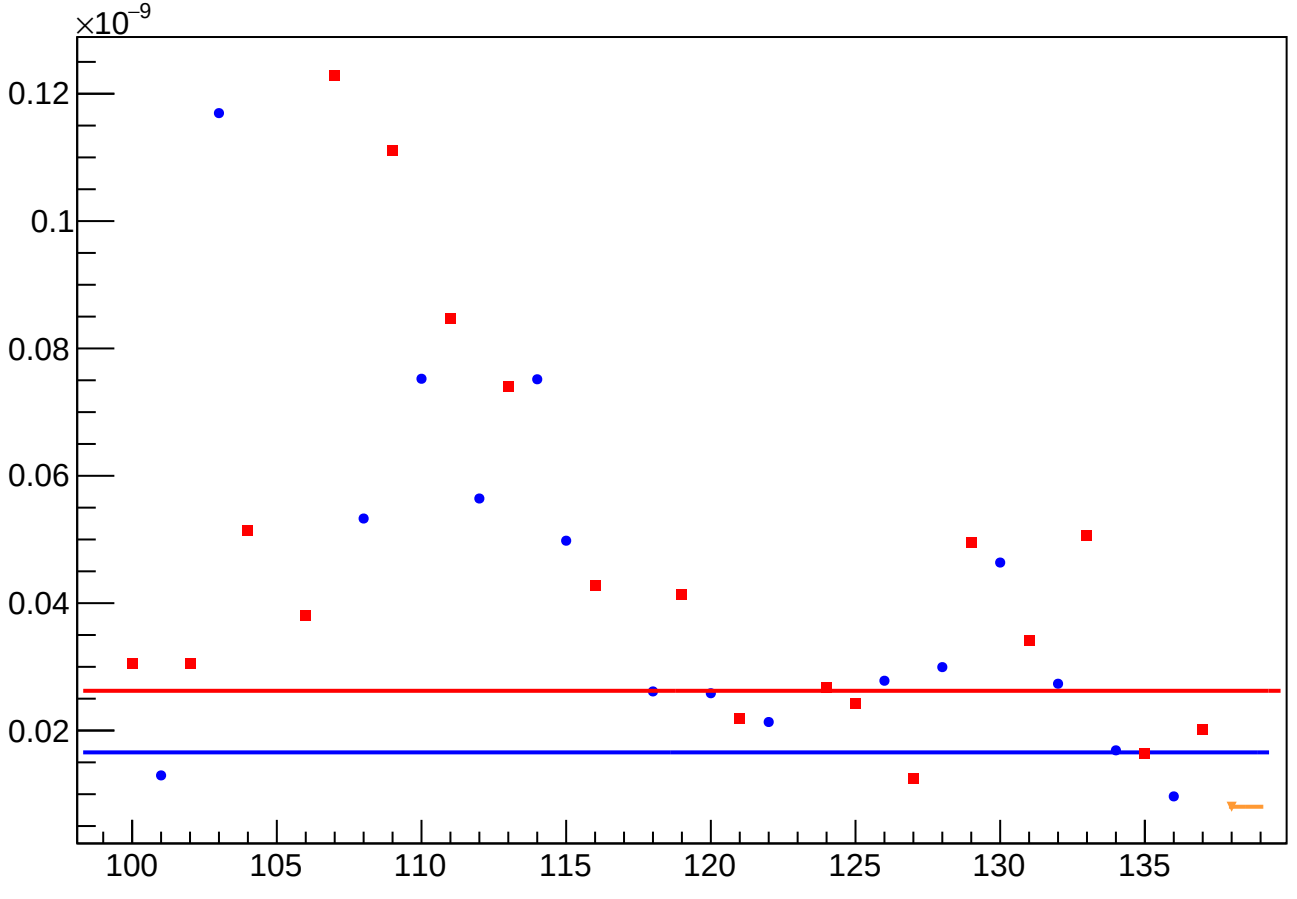
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:28.3/15

Out: 0.000+/-0.000 χ^2/NDF:32.6/19

All: -0.000+/-0.000 χ^2/NDF: 63.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

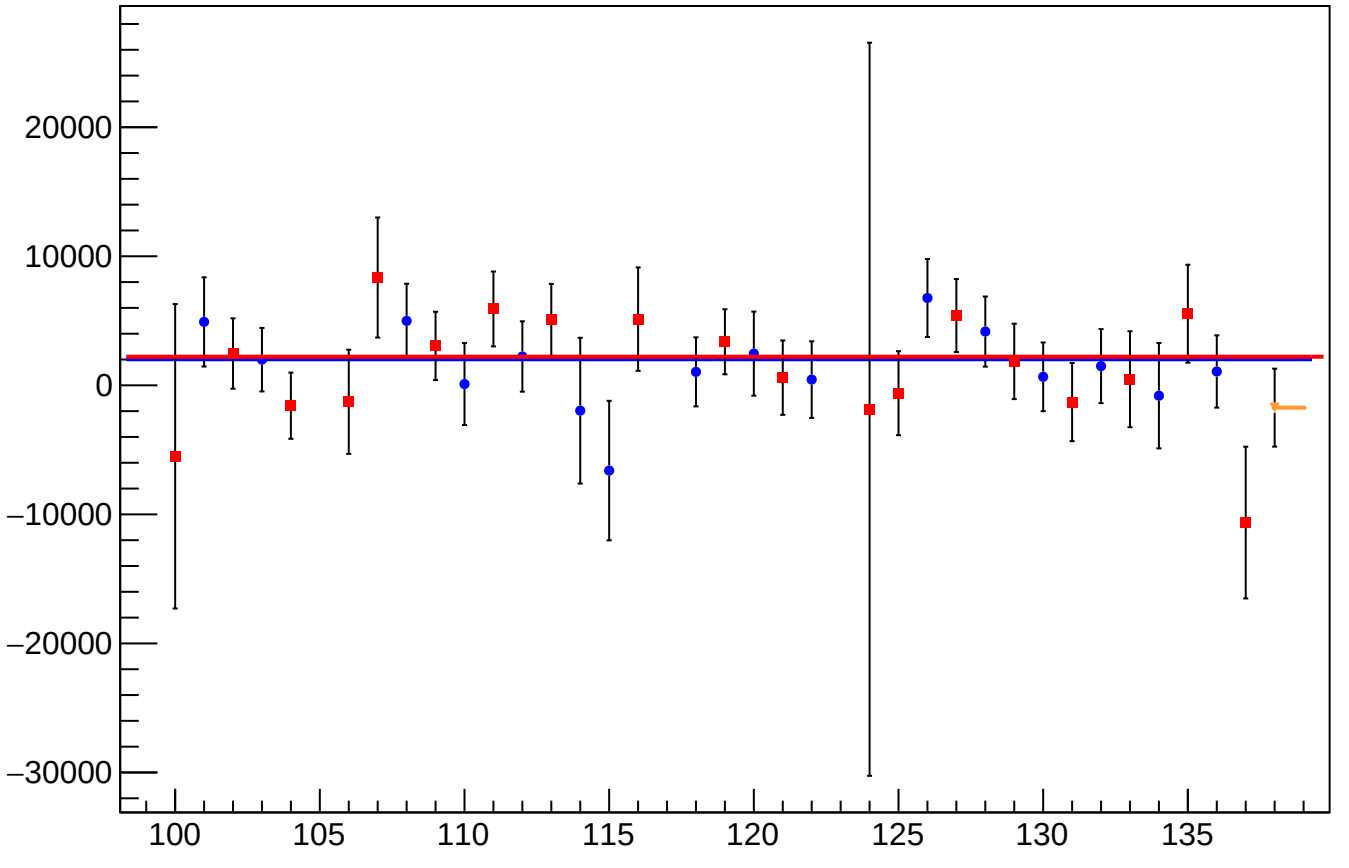
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:2823424.8/15

Out: 0.000+/-0.000 χ^2/NDF:4189448.7/19

All: 0.000+/-0.000 χ^2/NDF: 7016938.6/35



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: -1728.643+/-3021.087 χ^2/NDF:0.0/0

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1728.643+/-3021.087 χ^2/NDF: 0.0/0

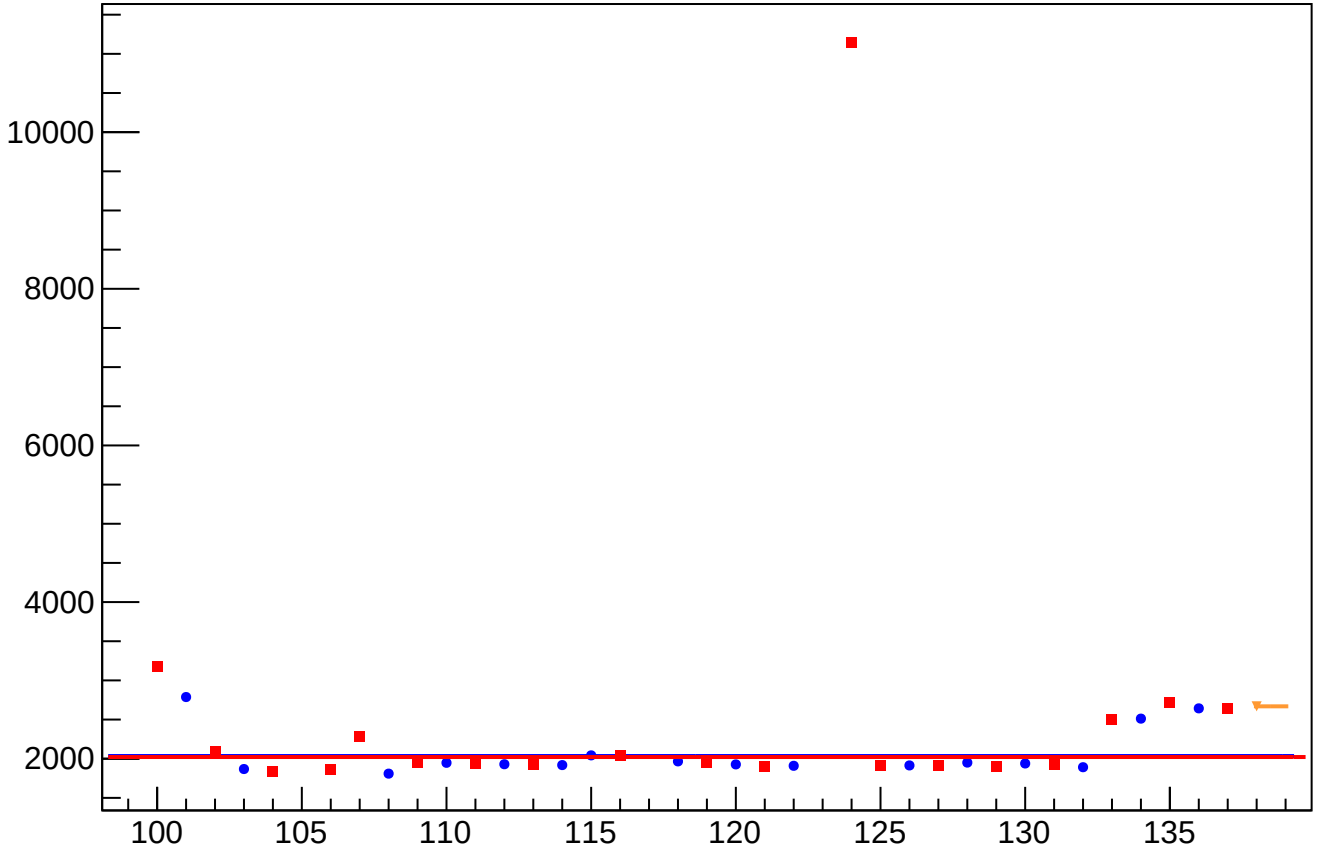
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2022.690+/-764.357 χ^2/NDF:9.6/15

Out: 1984.647+/-733.513 χ^2/NDF:19.7/19

All: 2002.885+/-529.240 χ^2/NDF: 29.3/35

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2668.796+/-2.136 χ^2/NDF:0.0/0

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

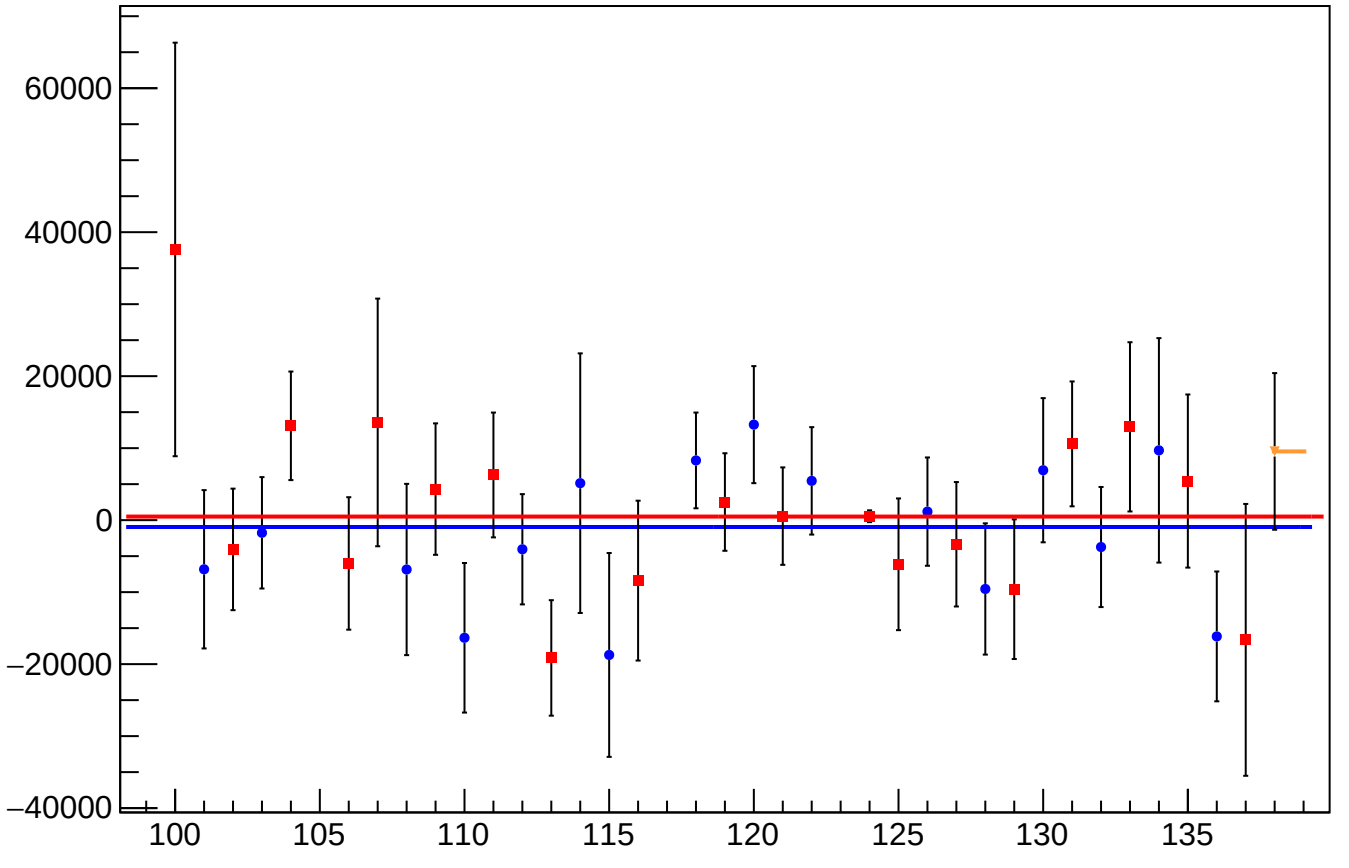
Left: 2668.796+/-2.136 χ^2/NDF: 0.0/0

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2034.159+/-0.540 χ^2/NDF:262960.7/15

Out: 2059.701+/-0.519 χ^2/NDF:476710.9/19

All: 2047.456+/-0.374 χ^2/NDF: 740834.2/35



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: 9546.041+/-10878.703 χ^2/NDF:0.0/0

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9546.041+/-10878.703 χ^2/NDF: 0.0/0

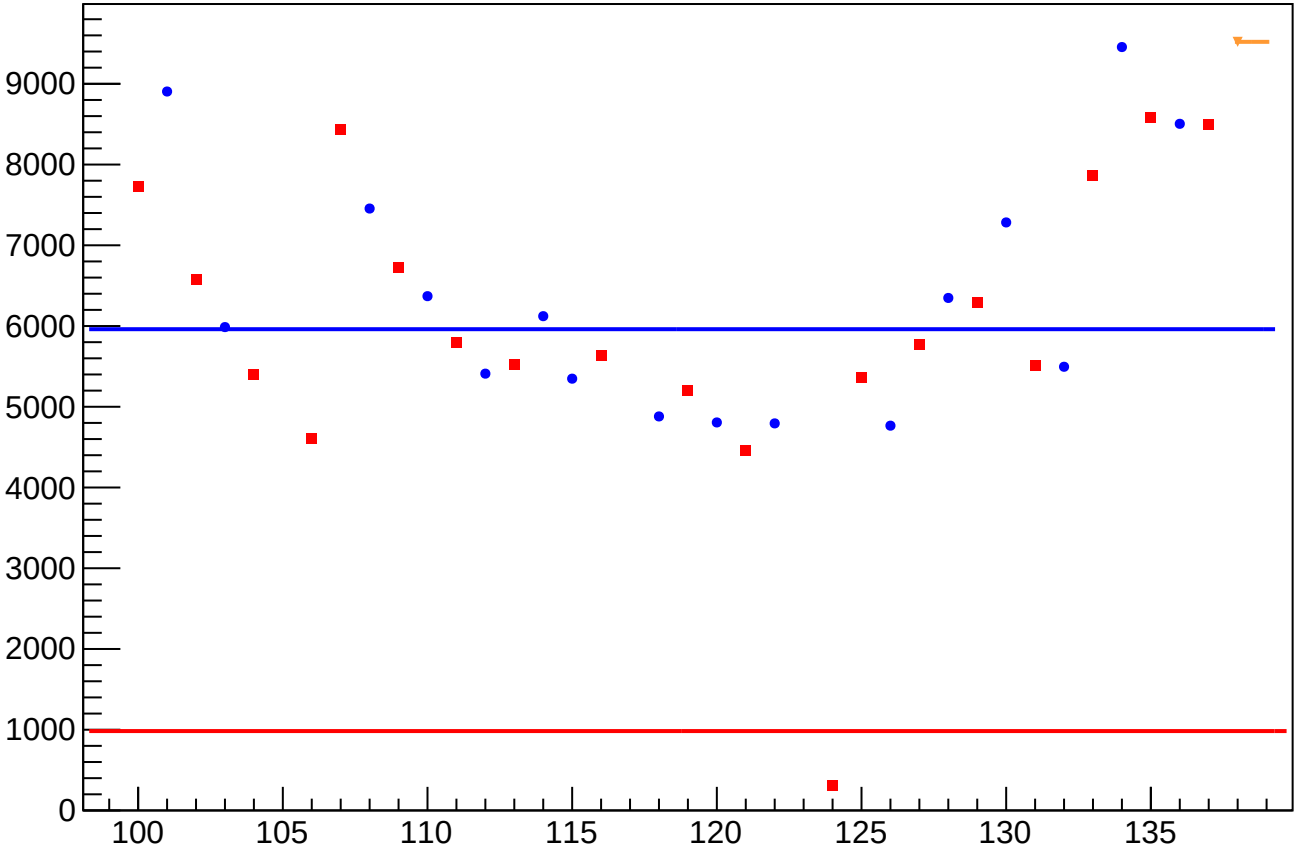
Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -950.519+/-2278.532 χ^2/NDF:15.3/15

Out: 542.253+/-766.378 χ^2/NDF:19.1/19

All: 390.540+/-726.390 χ^2/NDF: 34.9/35

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 9519.962+/-7.692 χ^2/NDF:0.0/0

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

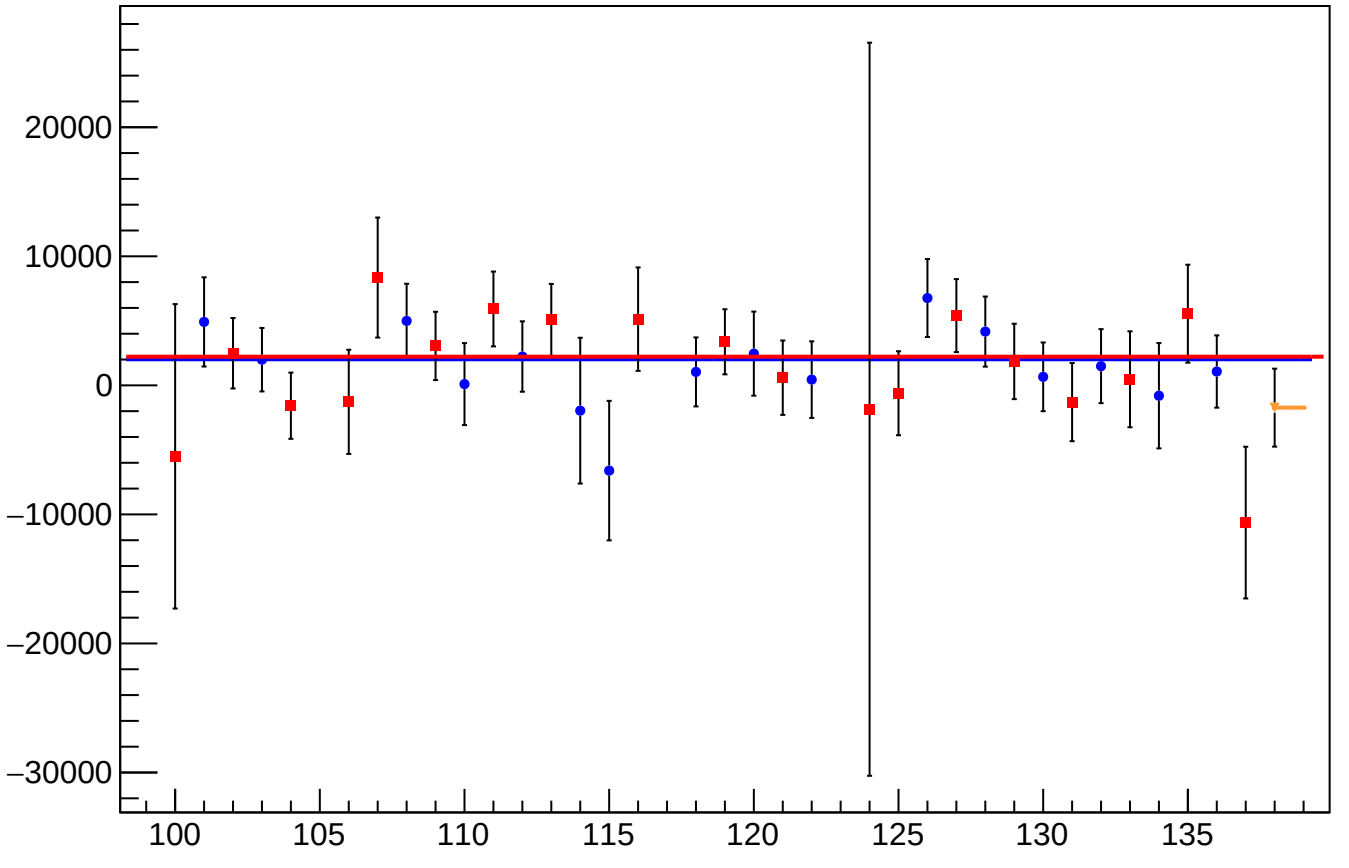
Left: 9519.962+/-7.692 χ^2/NDF: 0.0/0

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 5960.802+/-1.611 χ^2/NDF:689267.6/15

Out: 1025.682+/-0.542 χ^2/NDF:12642122.9/19

All: 1527.248+/-0.514 χ^2/NDF: 21760263.0/3



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -1728.360+/-3021.087 χ^2/NDF:0.0/0

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1728.360+/-3021.087 χ^2/NDF: 0.0/0

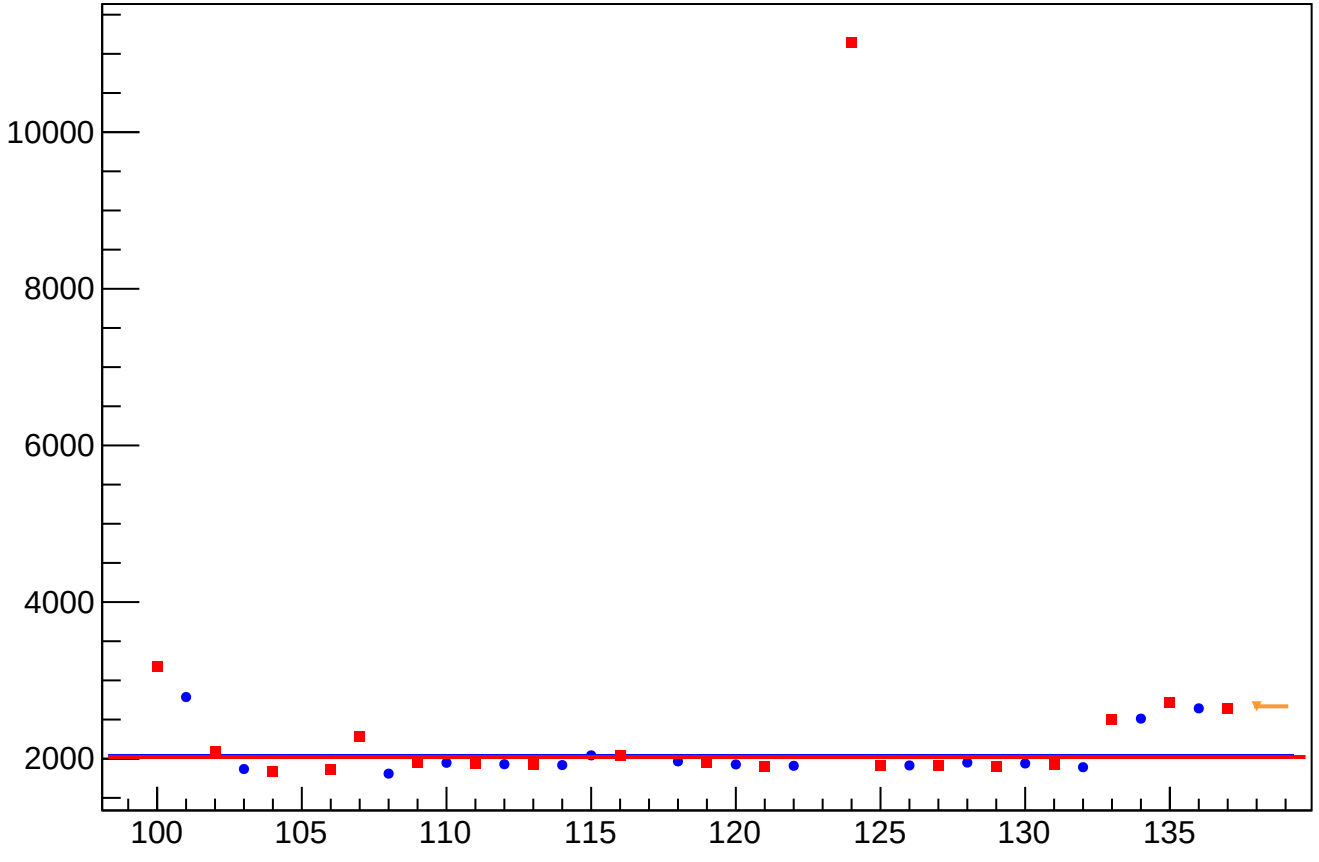
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2022.816+/-764.357 χ^2/NDF:9.6/15

Out: 1986.389+/-733.520 χ^2/NDF:19.7/19

All: 2003.853+/-529.243 χ^2/NDF: 29.3/35

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2668.796+/-2.136 χ^2/NDF:0.0/0

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

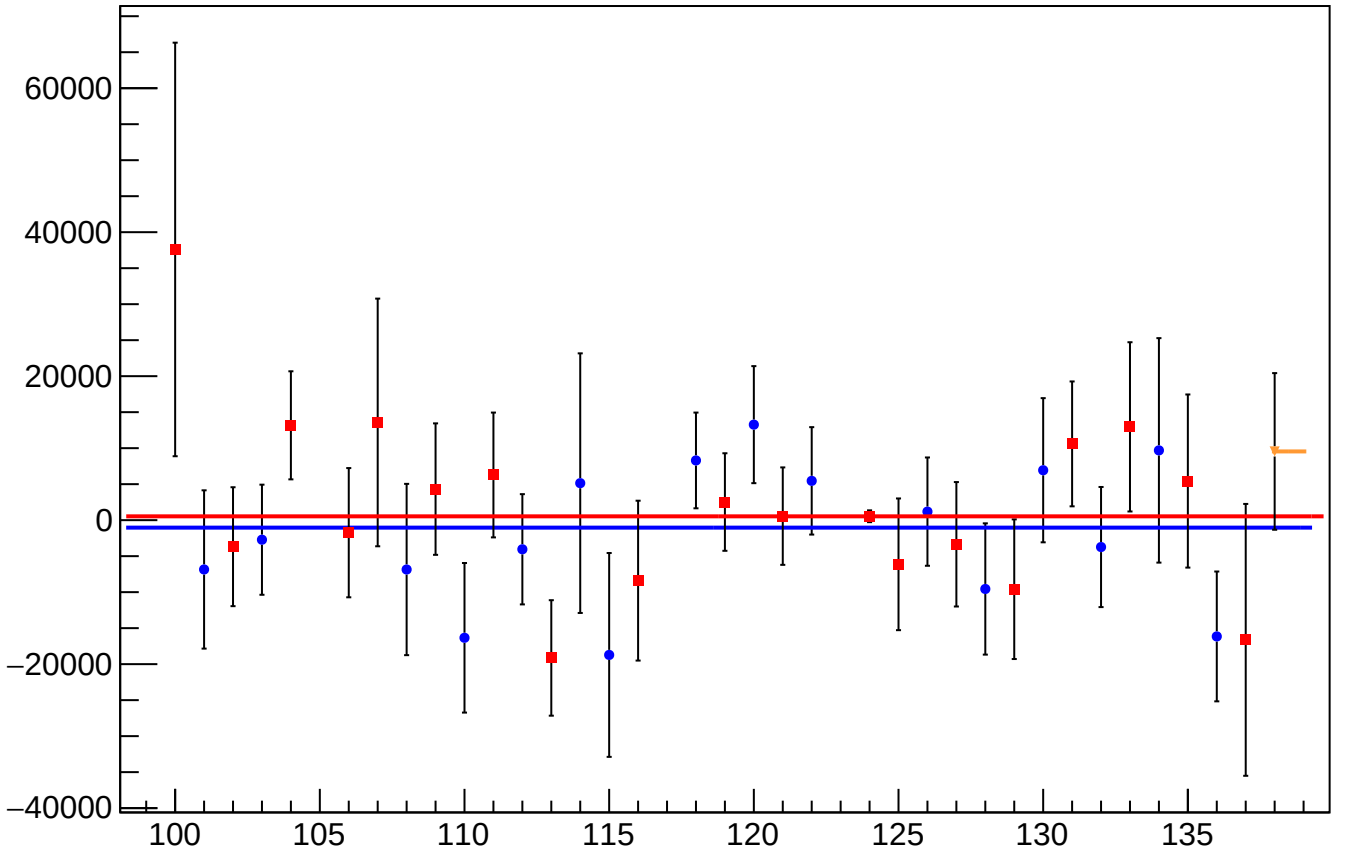
Left: 2668.796+/-2.136 χ^2/NDF: 0.0/0

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2034.159+/-0.540 χ^2/NDF:262960.5/15

Out: 2059.722+/-0.519 χ^2/NDF:476716.7/19

All: 2047.466+/-0.374 χ^2/NDF: 740841.8/35



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: 9546.415+/-10878.705 χ^2/NDF:0.0/0

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

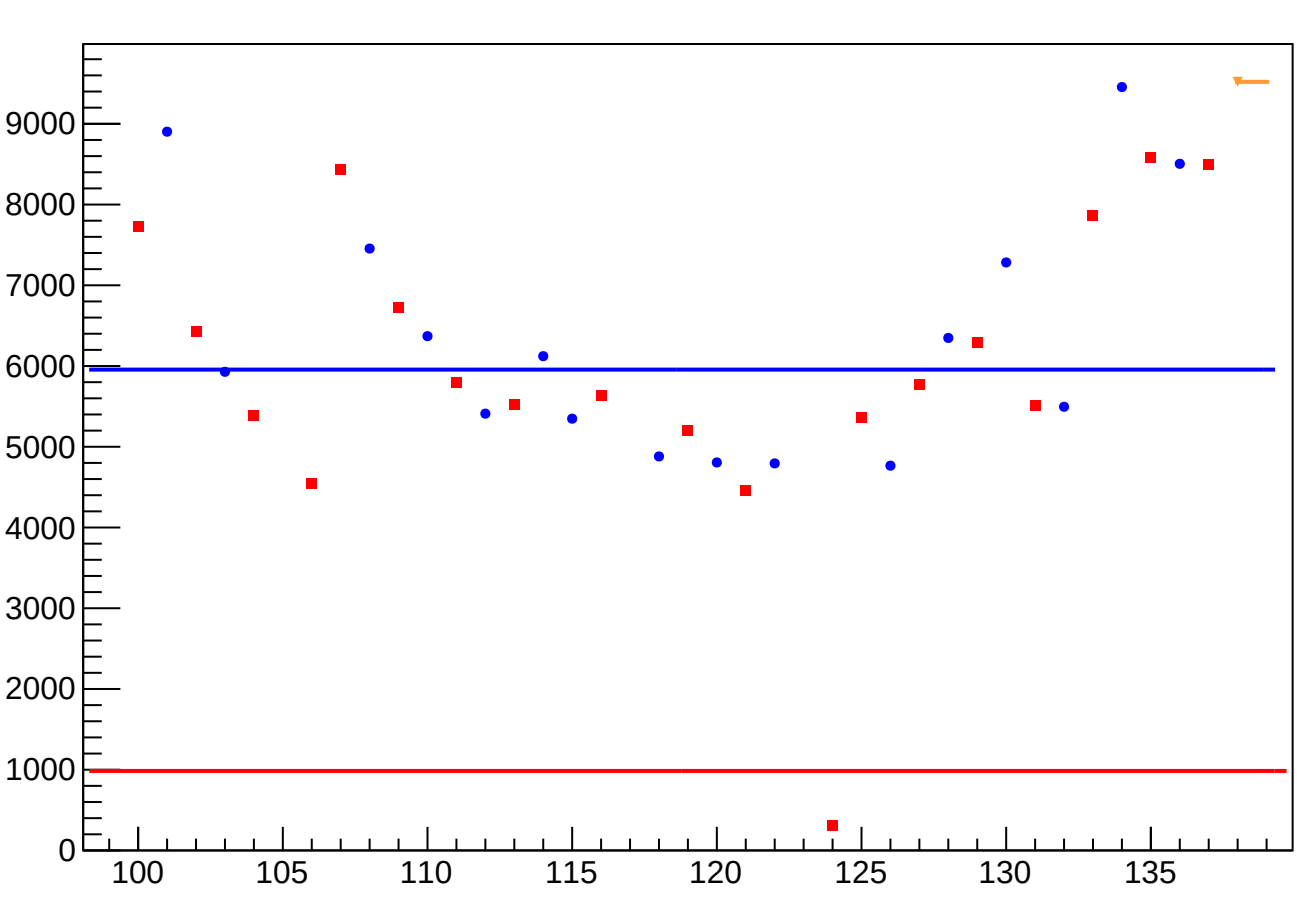
Left: 9546.415+/-10878.705 χ^2/NDF: 0.0/0

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -1037.942+/-2276.180 χ^2/NDF:15.4/15

Out: 575.366+/-766.041 χ^2/NDF:18.7/19

All: 411.228+/-726.027 χ^2/NDF: 34.5/35



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 9519.964+/-7.692 χ^2/NDF:0.0/0

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

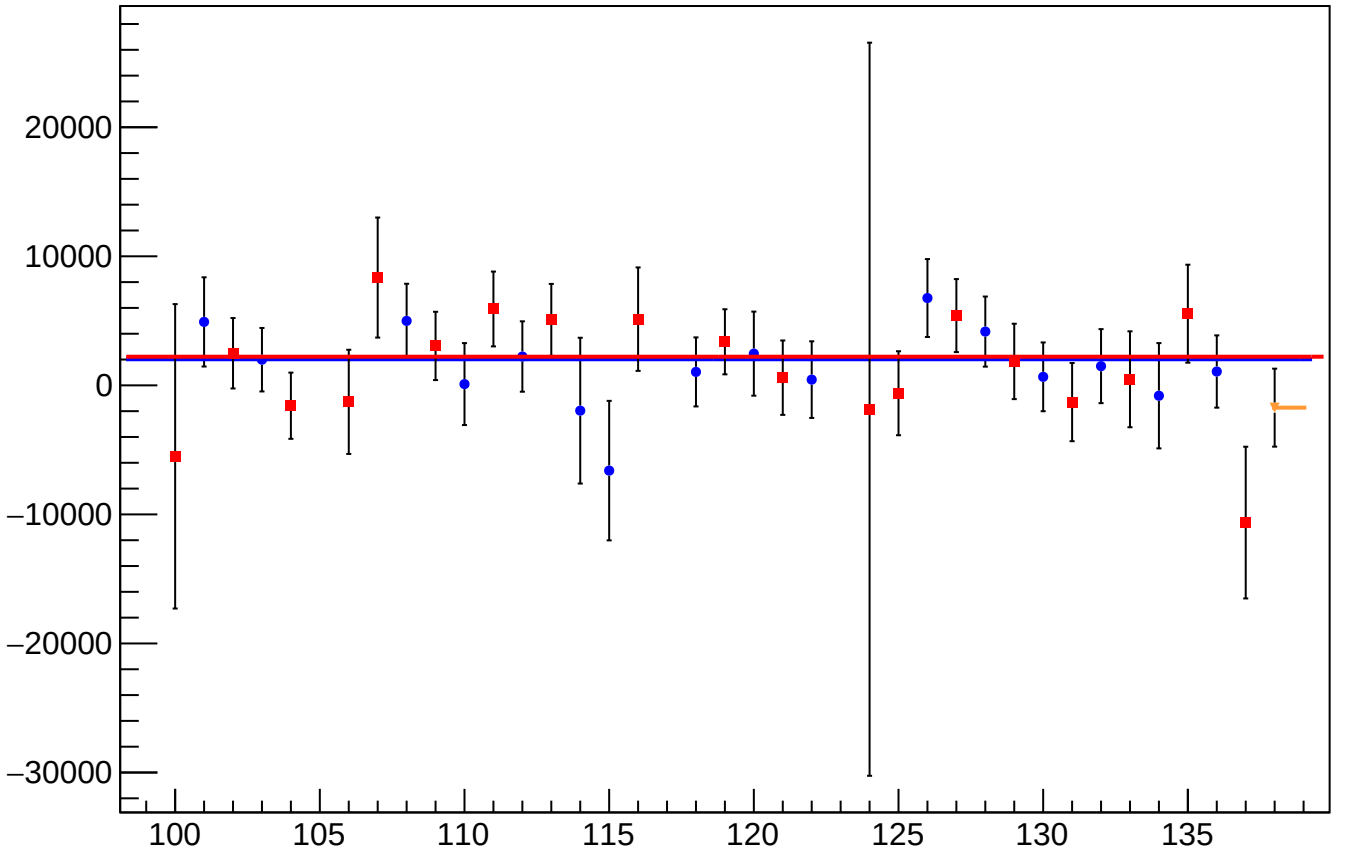
Left: 9519.964+/-7.692 χ^2/NDF: 0.0/0

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 5955.638+/-1.610 χ^2/NDF:689141.5/15

Out: 1027.365+/-0.542 χ^2/NDF:12637785.5/19

All: 1528.768+/-0.513 χ^2/NDF: 21748790.5/3



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -1728.360+/-3021.087 χ^2/NDF:0.0/0

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1728.360+/-3021.087 χ^2/NDF: 0.0/0

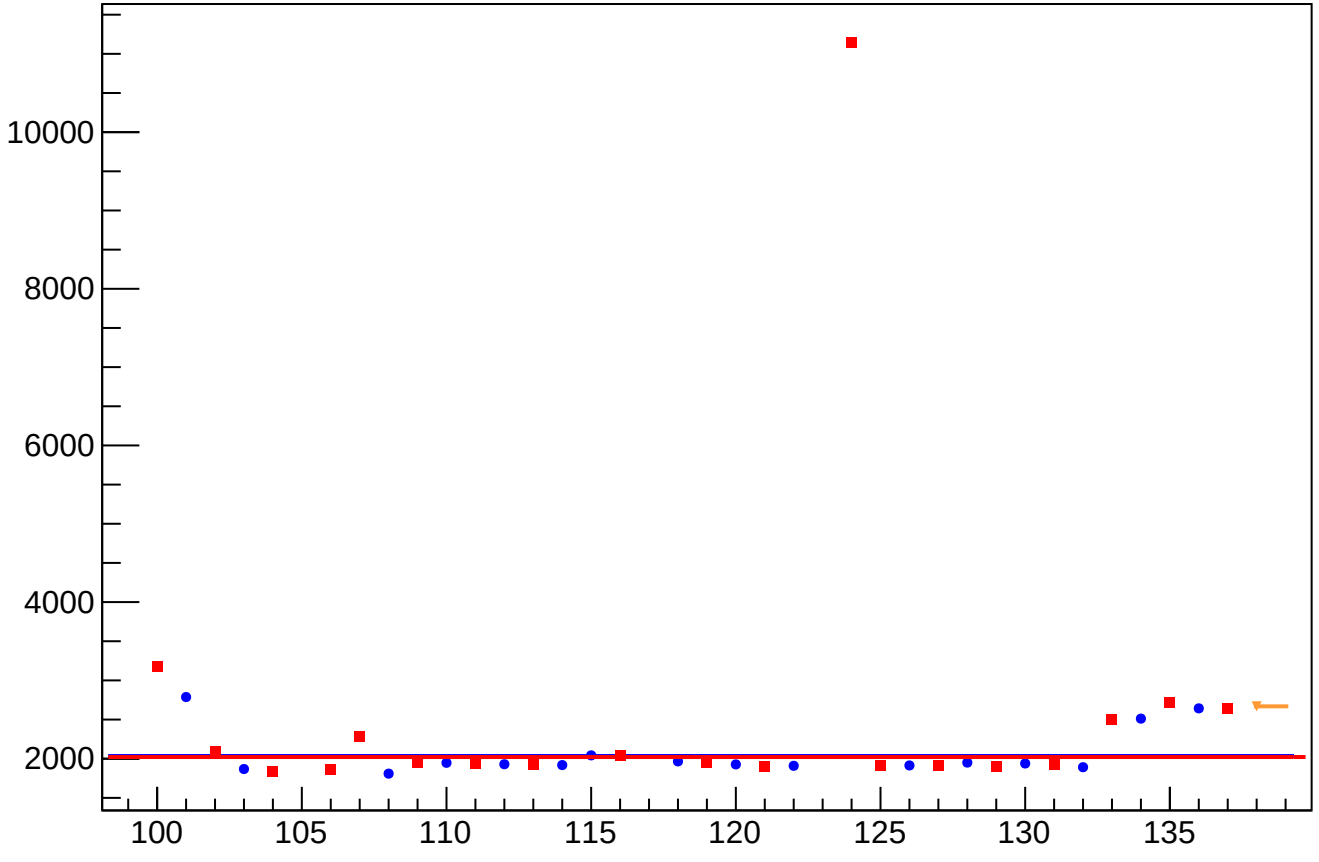
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2022.816+/-764.357 χ^2/NDF:9.6/15

Out: 1986.389+/-733.520 χ^2/NDF:19.7/19

All: 2003.853+/-529.243 χ^2/NDF: 29.3/35

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2668.796+/-2.136 χ^2/NDF:0.0/0

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

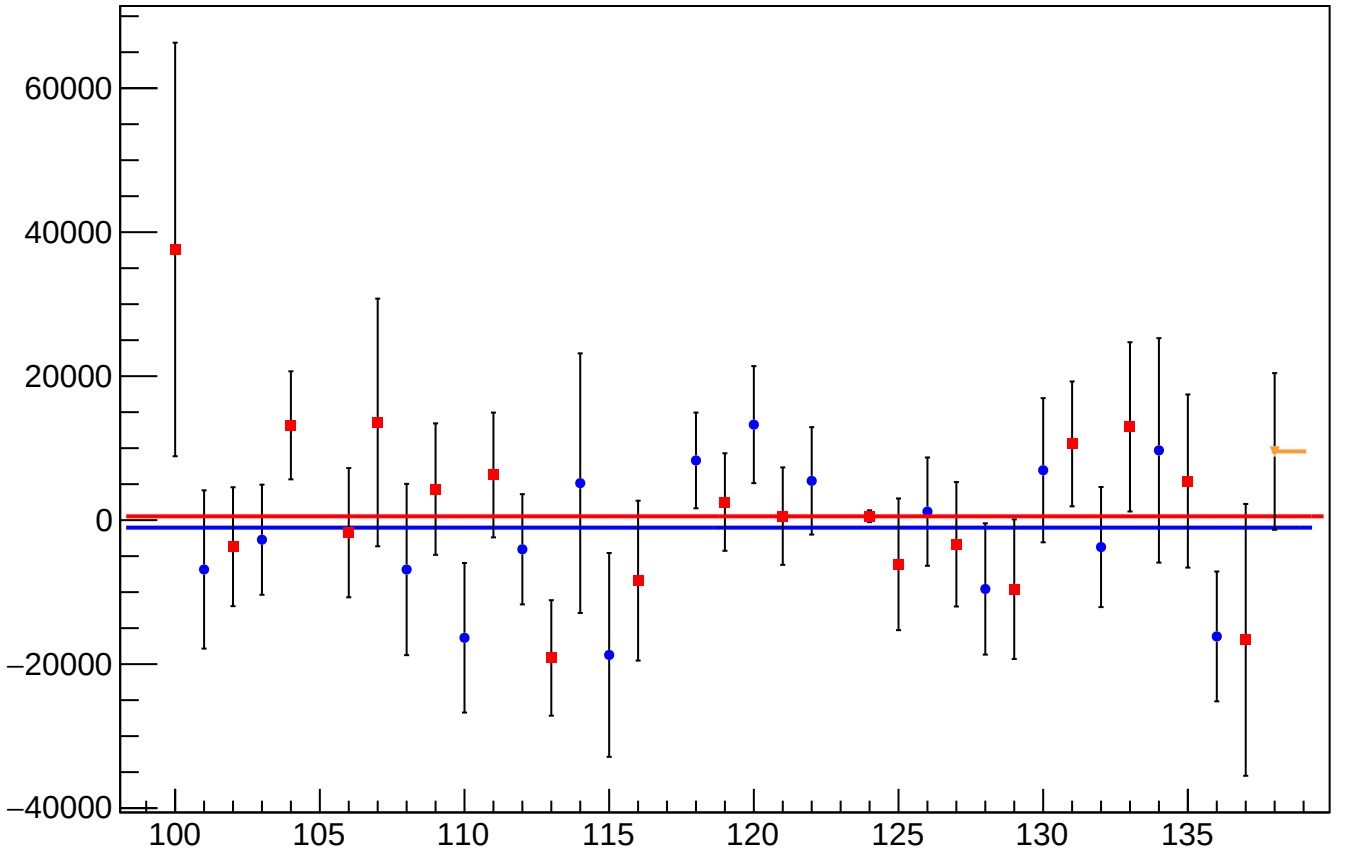
Left: 2668.796+/-2.136 χ^2/NDF: 0.0/0

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2034.159+/-0.540 χ^2/NDF:262960.5/15

Out: 2059.722+/-0.519 χ^2/NDF:476716.7/19

All: 2047.466+/-0.374 χ^2/NDF: 740841.8/35



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: 9546.415+/-10878.705 χ^2/NDF:0.0/0

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

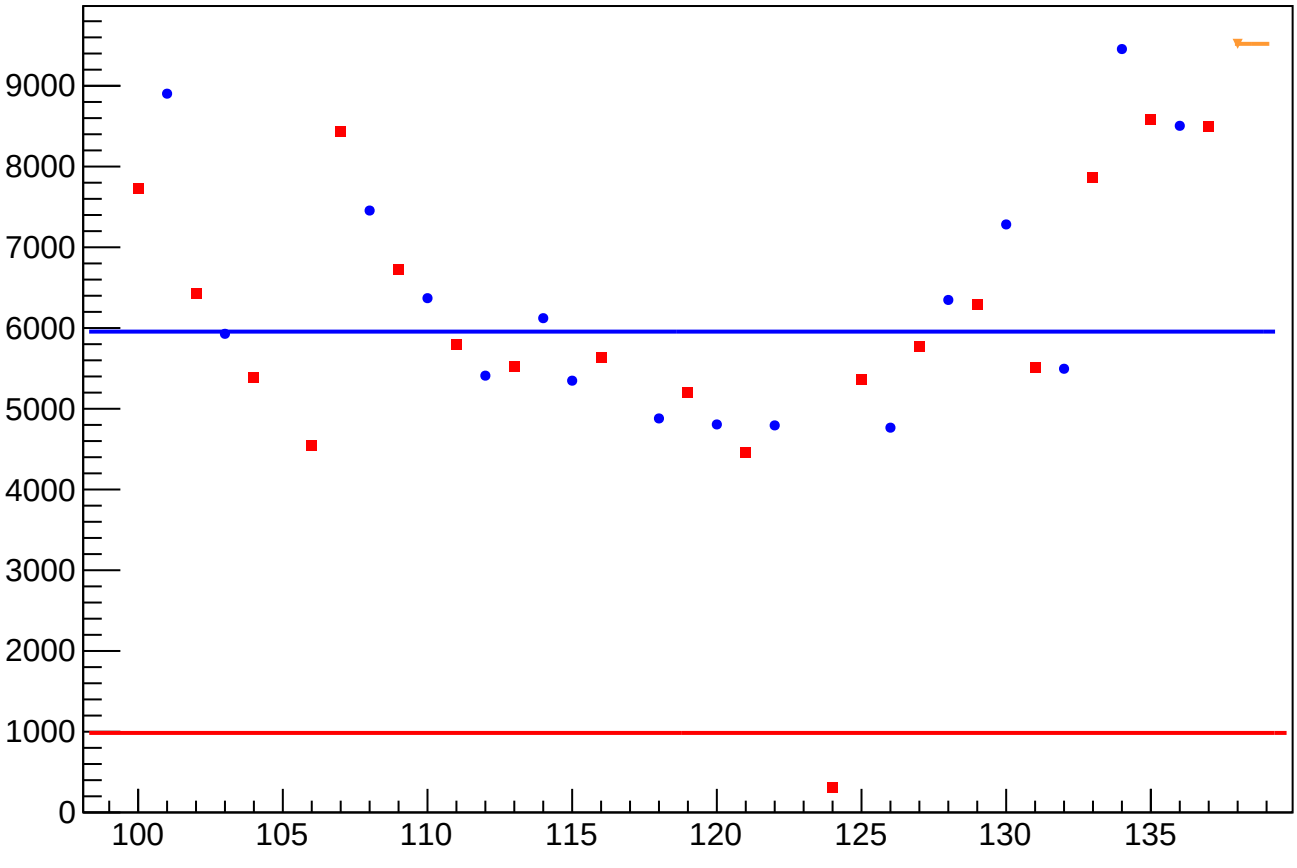
Left: 9546.415+/-10878.705 χ^2/NDF: 0.0/0

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -1037.942+/-2276.180 χ^2/NDF:15.4/15

Out: 575.366+/-766.041 χ^2/NDF:18.7/19

All: 411.228+/-726.027 χ^2/NDF: 34.5/35



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 9519.964+/-7.692 χ^2/NDF:0.0/0

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9519.964+/-7.692 χ^2/NDF: 0.0/0

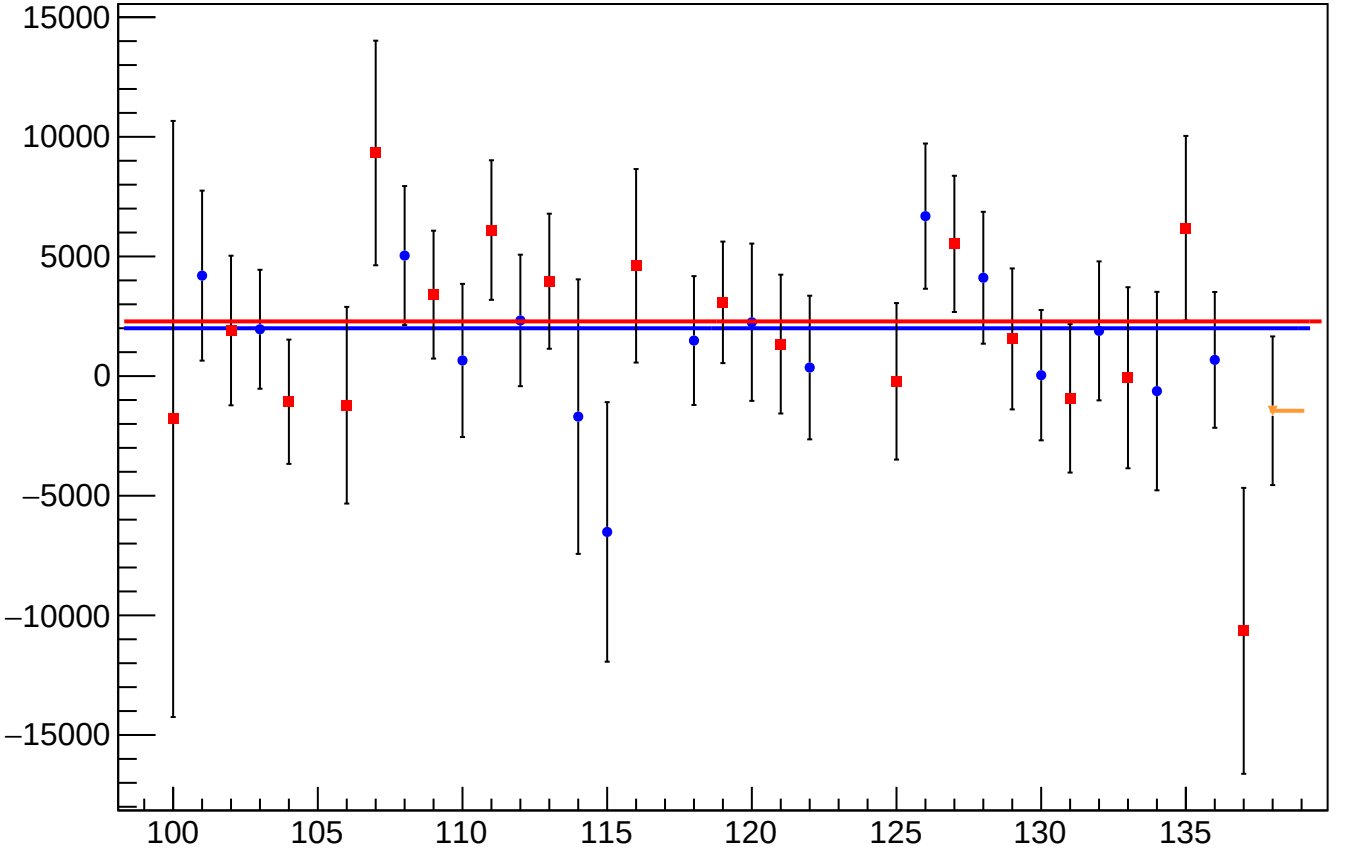
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 5955.638+/-1.610 χ^2/NDF:689141.5/15

Out: 1027.365+/-0.542 χ^2/NDF:12637785.5/19

All: 1528.768+/-0.513 χ^2/NDF: 21748790.5/3

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -1448.778+/-3106.641 χ^2/NDF:0.0/0

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1448.778+/-3106.641 χ^2/NDF: 0.0/0

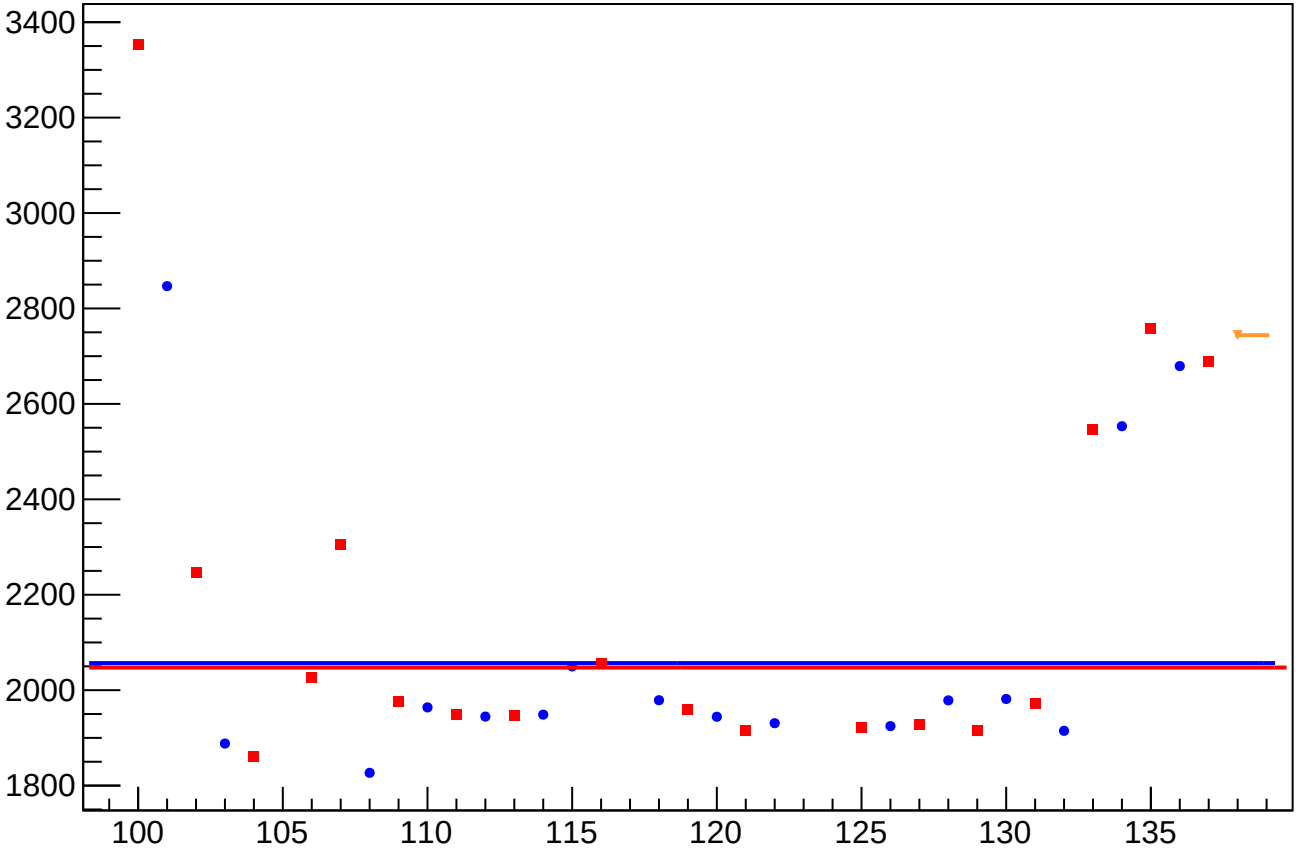
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 1999.214+/-773.538 χ^2/NDF:9.0/15

Out: 2069.060+/-748.573 χ^2/NDF:18.0/18

All: 2035.282+/-537.930 χ^2/NDF: 27.0/34

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2744.016+/-2.197 χ^2/NDF:0.0/0

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

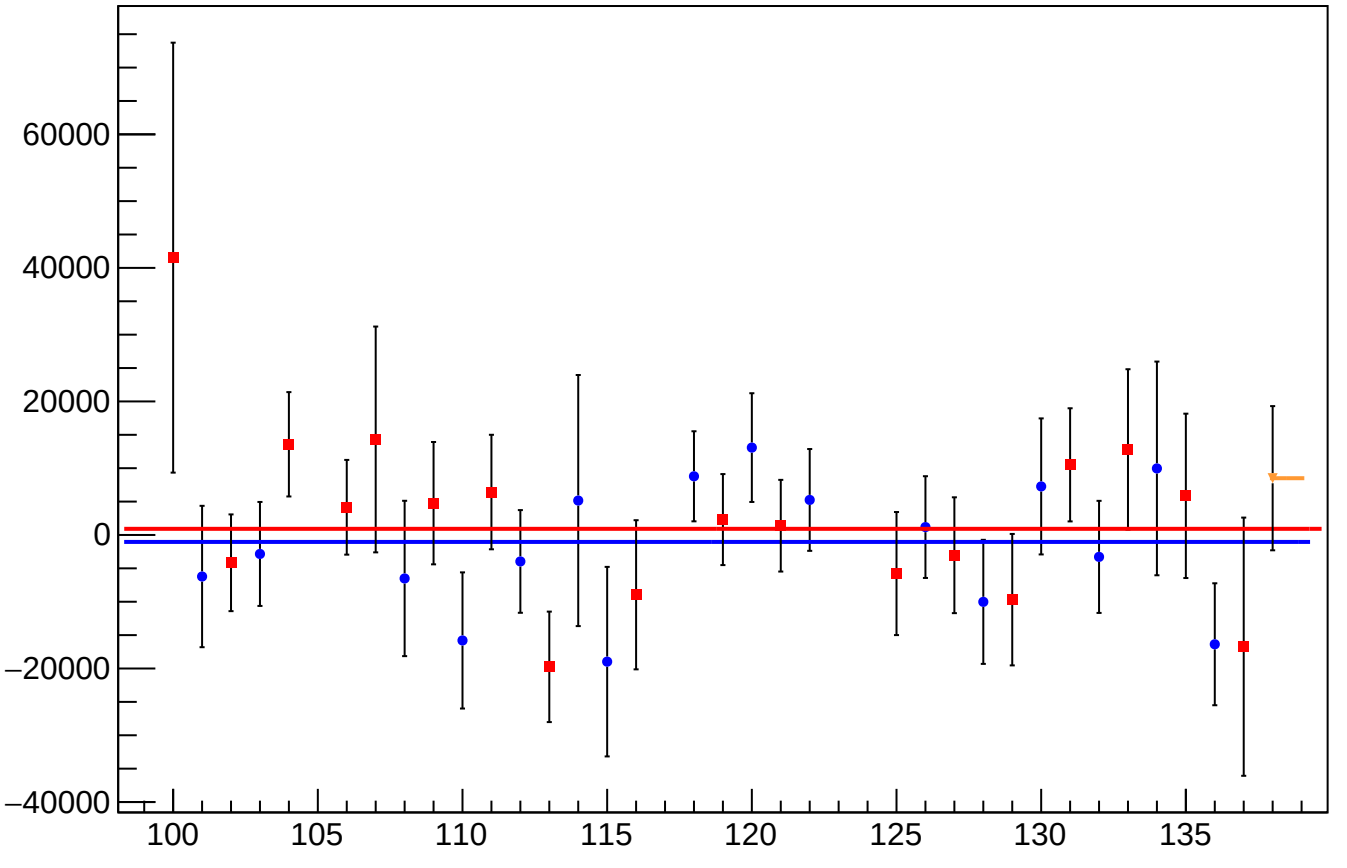
Left: 2744.016+/-2.197 χ^2/NDF: 0.0/0

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2056.796+/-0.547 χ^2/NDF:270454.5/15

Out: 2087.732+/-0.529 χ^2/NDF:291262.9/18

All: 2072.793+/-0.380 χ^2/NDF: 563371.7/34



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 8500.303+/-10798.329 χ^2/NDF:0.0/0

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

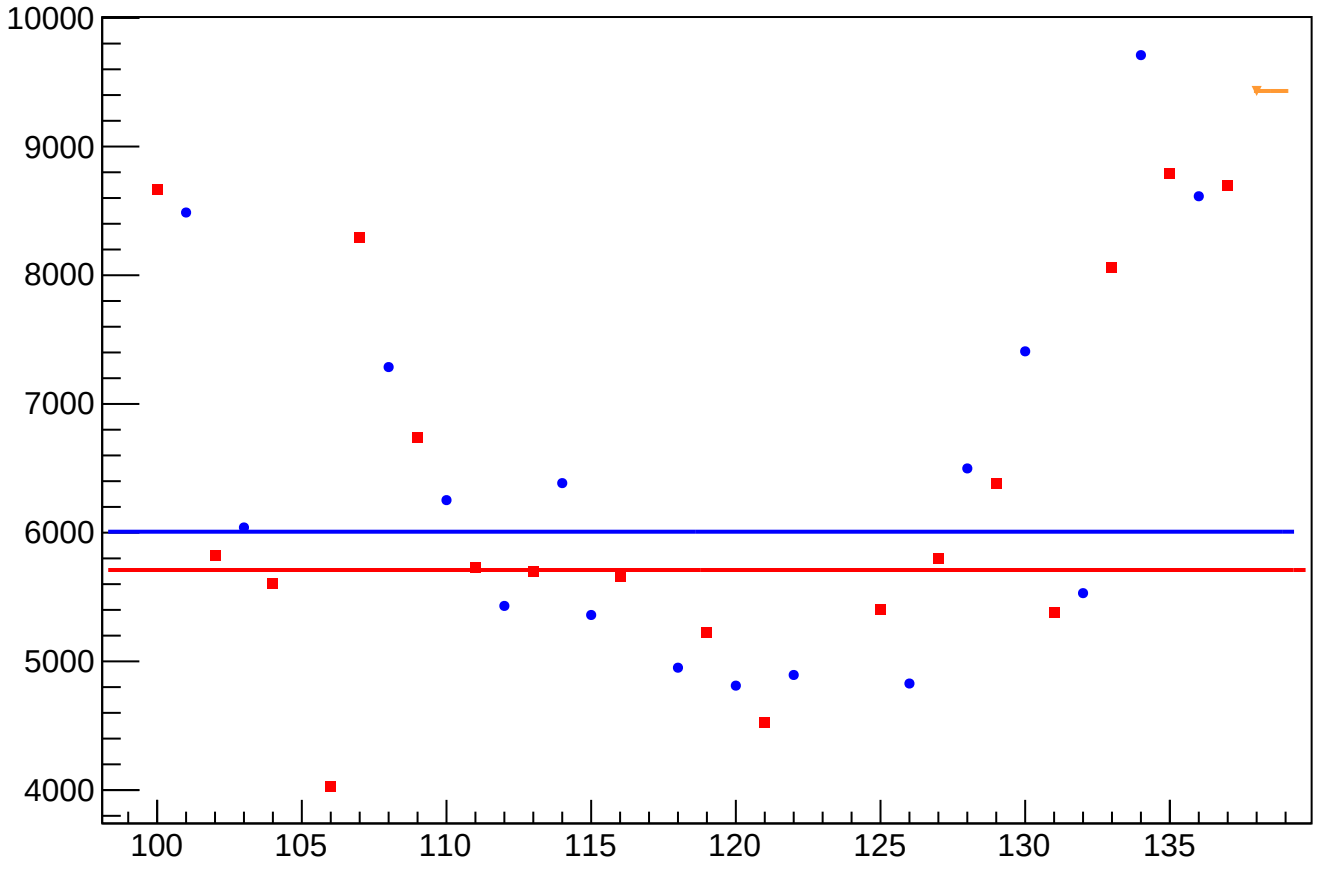
Left: 8500.303+/-10798.329 χ^2/NDF: 0.0/0

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -1042.515+/-2294.607 χ^2/NDF:15.3/15

Out: 1208.952+/-2109.455 χ^2/NDF:18.8/18

All: 177.706+/-1552.947 χ^2/NDF: 34.7/34



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9431.698+/-7.636 χ^2/NDF:0.0/0

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

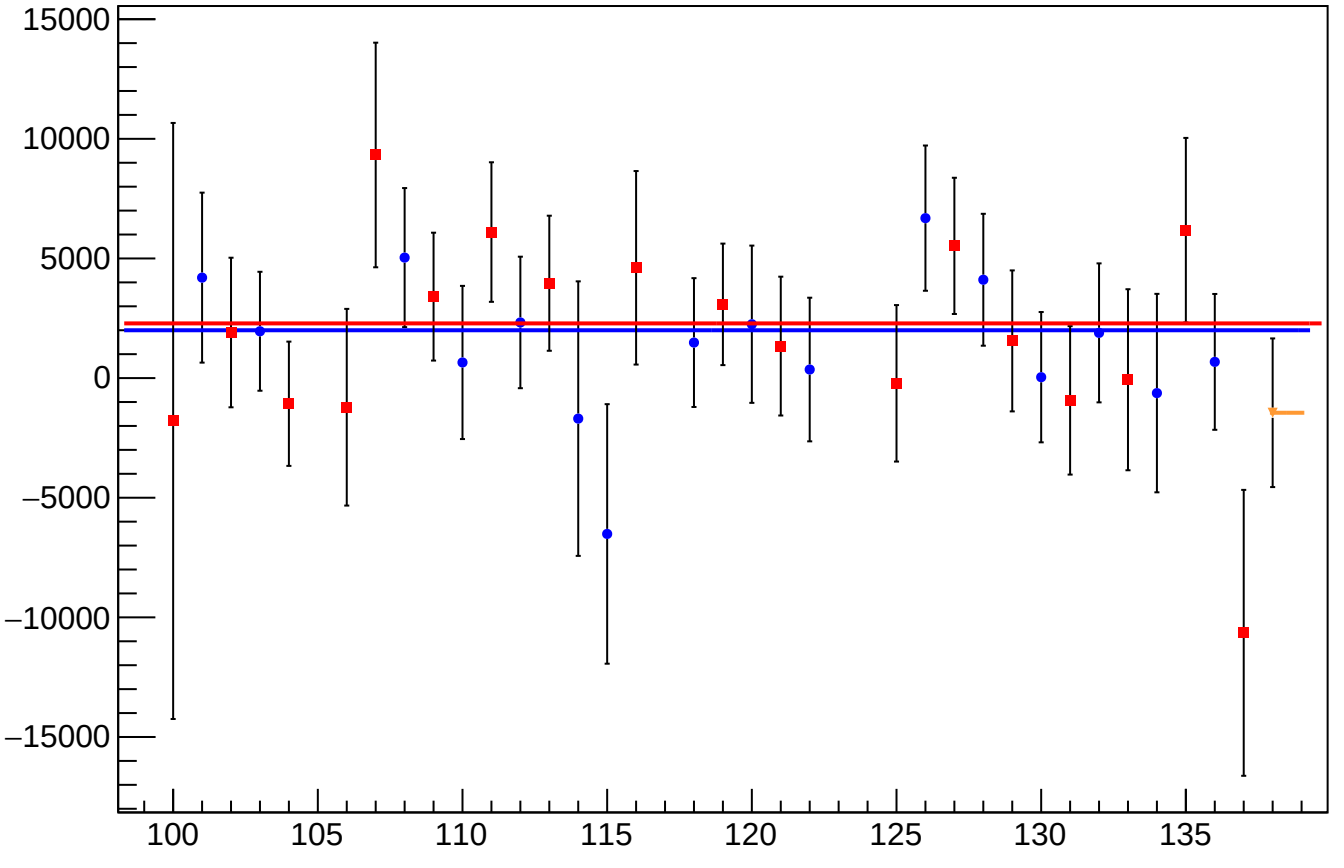
Left: 9431.698+/-7.636 χ^2/NDF: 0.0/0

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 6007.425+/-1.623 χ^2/NDF:653996.7/15

Out: 5851.932+/-1.492 χ^2/NDF:764446.0/18

All: 5923.153+/-1.098 χ^2/NDF: 1423420.1/34



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -1448.711+/-3106.641 χ^2/NDF:0.0/0

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1448.711+/-3106.641 χ^2/NDF: 0.0/0

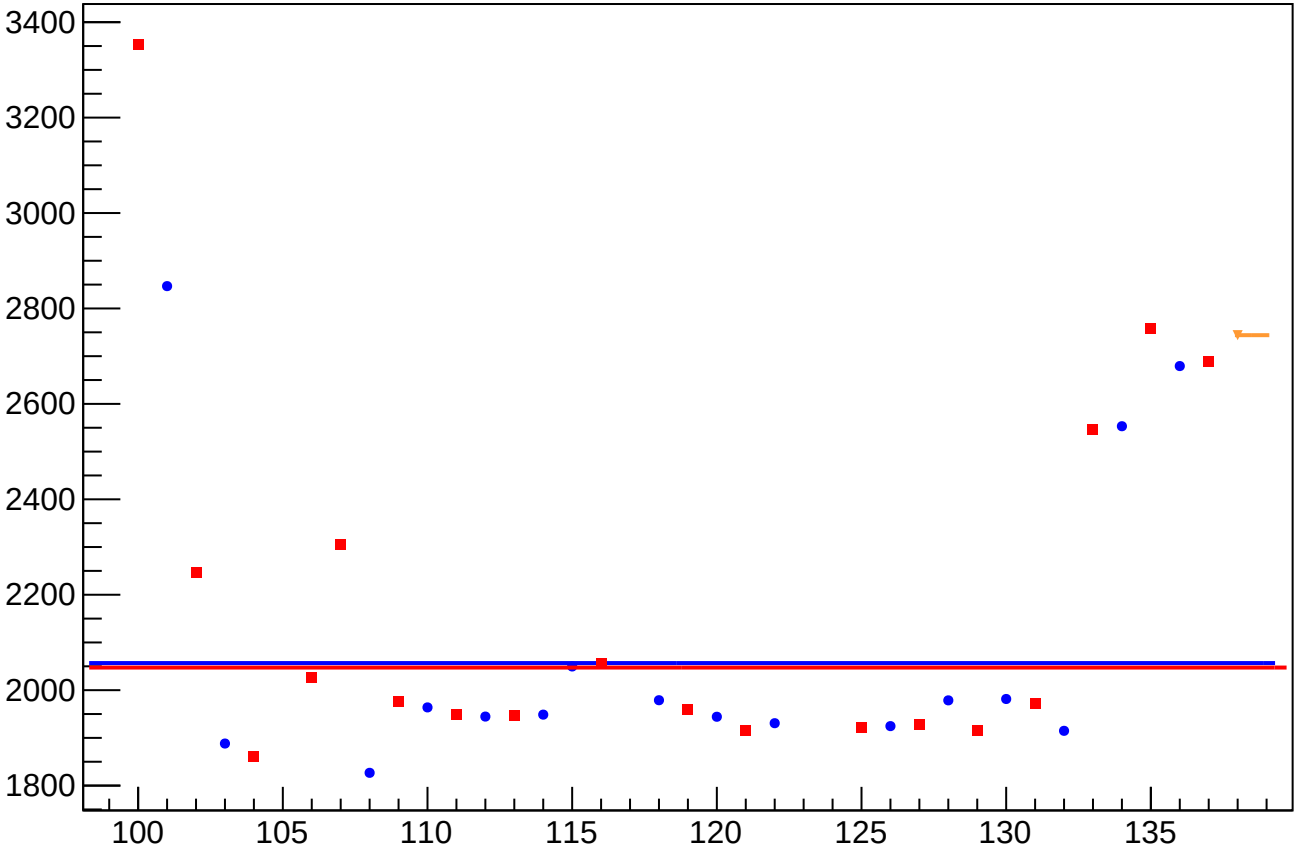
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 1999.218+/-773.538 χ^2/NDF:9.0/15

Out: 2069.067+/-748.573 χ^2/NDF:18.0/18

All: 2035.288+/-537.930 χ^2/NDF: 27.0/34

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2744.016+/-2.197 χ^2/NDF:0.0/0

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

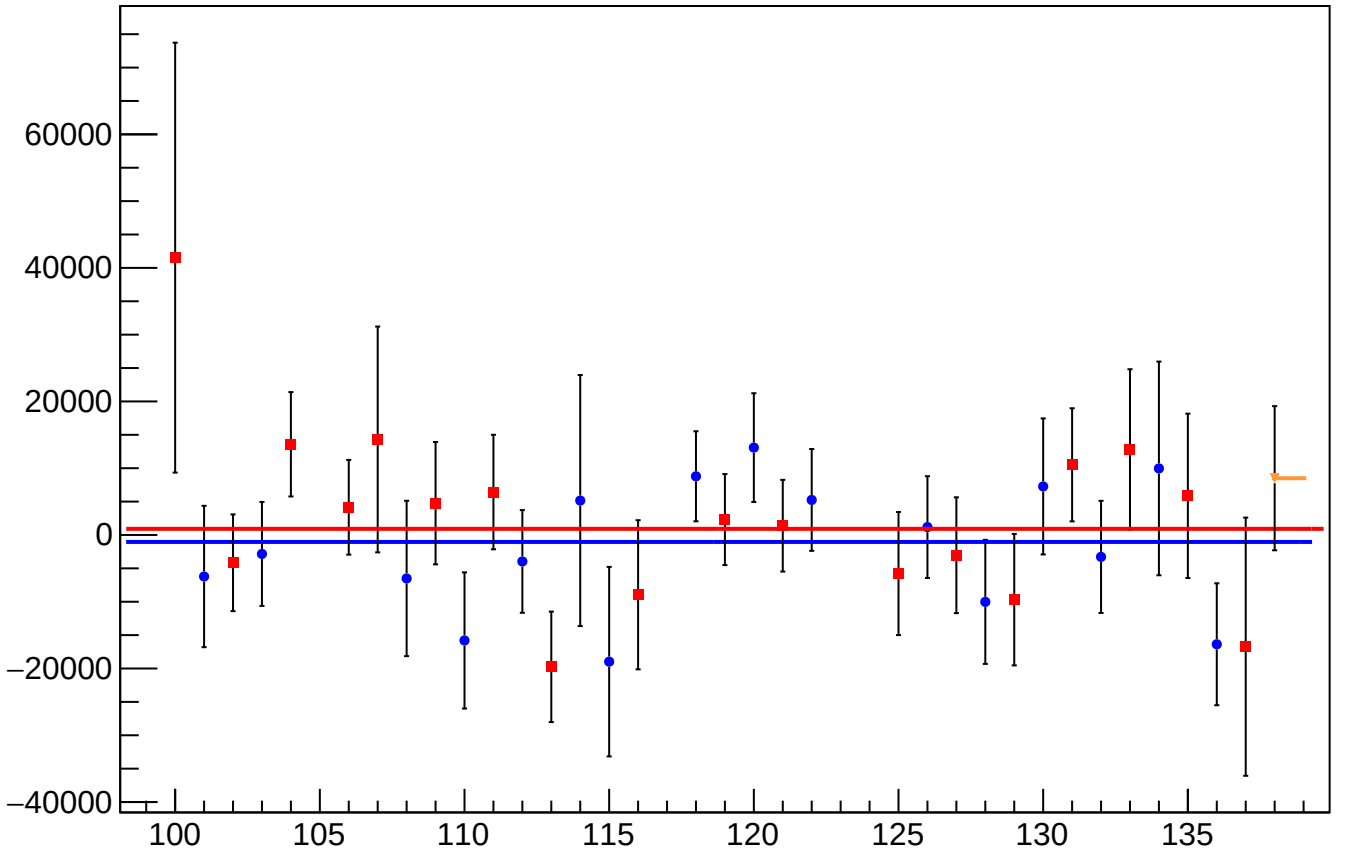
Left: 2744.016+/-2.197 χ^2/NDF: 0.0/0

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2056.796+/-0.547 χ^2/NDF:270454.5/15

Out: 2087.731+/-0.529 χ^2/NDF:291263.2/18

All: 2072.793+/-0.380 χ^2/NDF: 563371.8/34



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 8500.361+/-10798.369 χ^2/NDF:0.0/0

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

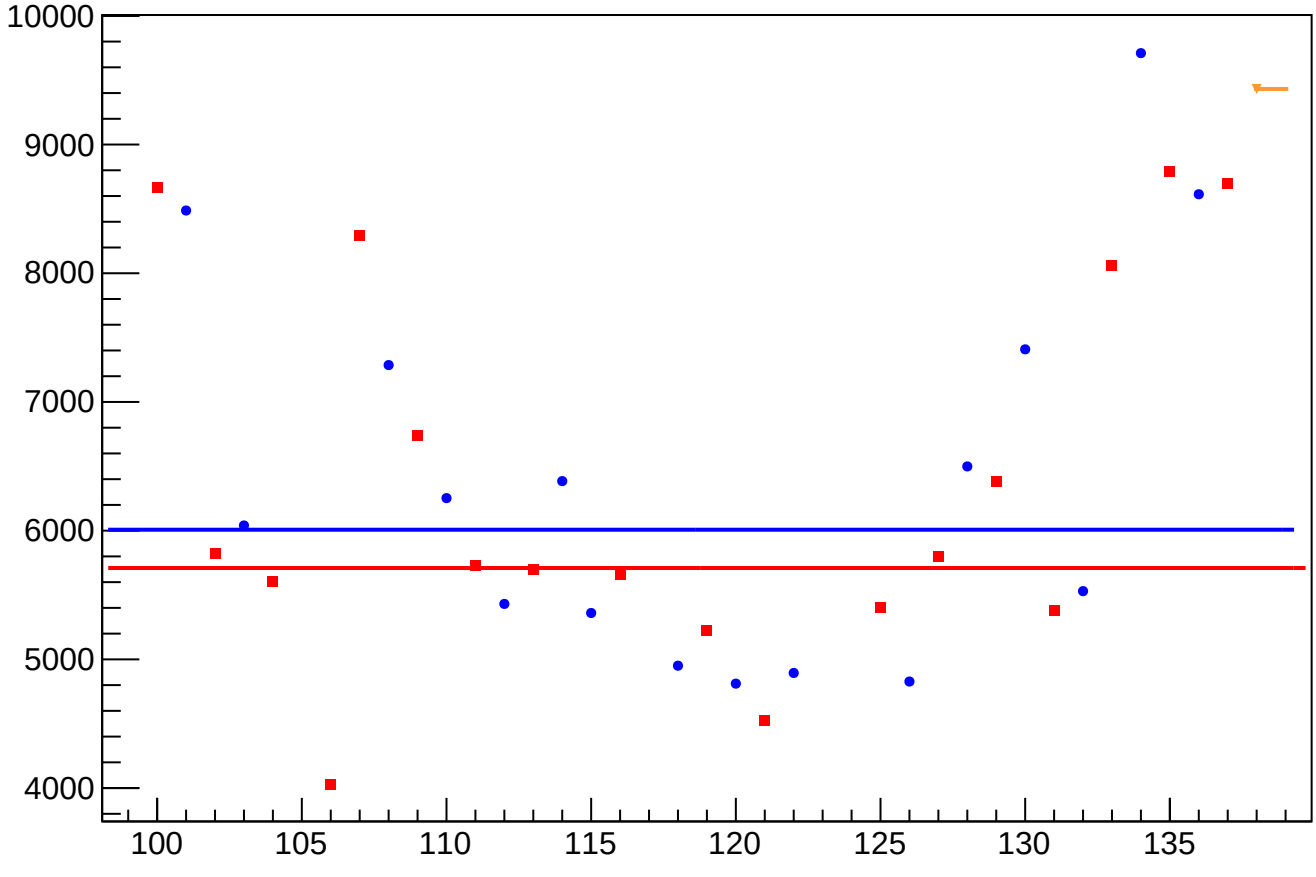
Left: 8500.361+/-10798.369 χ^2/NDF: 0.0/0

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -1042.503+/-2294.600 χ^2/NDF:15.3/15

Out: 1208.955+/-2109.449 χ^2/NDF:18.8/18

All: 177.713+/-1552.943 χ^2/NDF: 34.7/34



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9431.733+/-7.636 χ^2/NDF:0.0/0

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

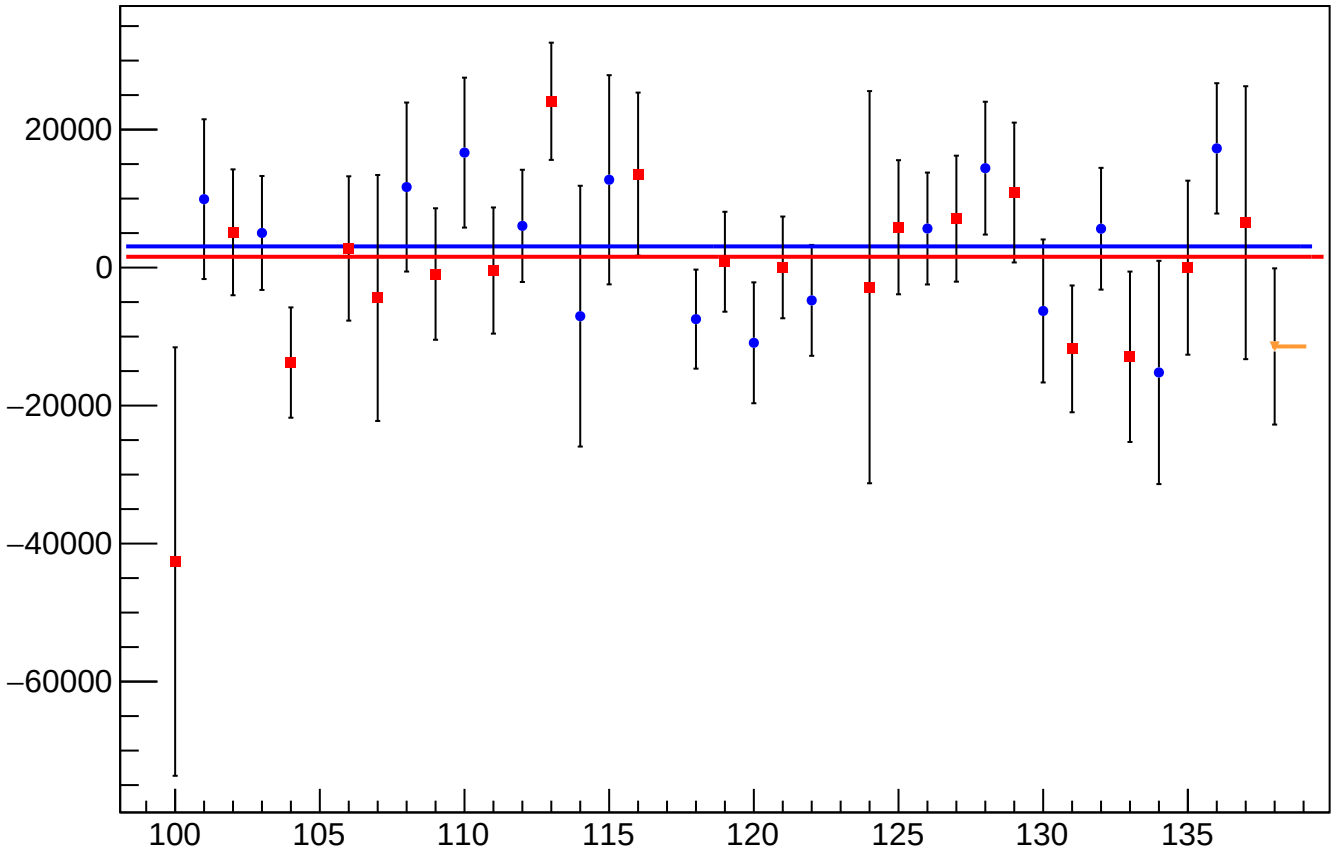
Left: 9431.733+/-7.636 χ^2/NDF: 0.0/0

Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 6007.405+/-1.623 χ^2/NDF:654004.9/15

Out: 5851.916+/-1.492 χ^2/NDF:764454.6/18

All: 5923.135+/-1.098 χ^2/NDF: 1423436.8/34



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -11431.131+/-11321.352 χ^2/NDF:0.0/0

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

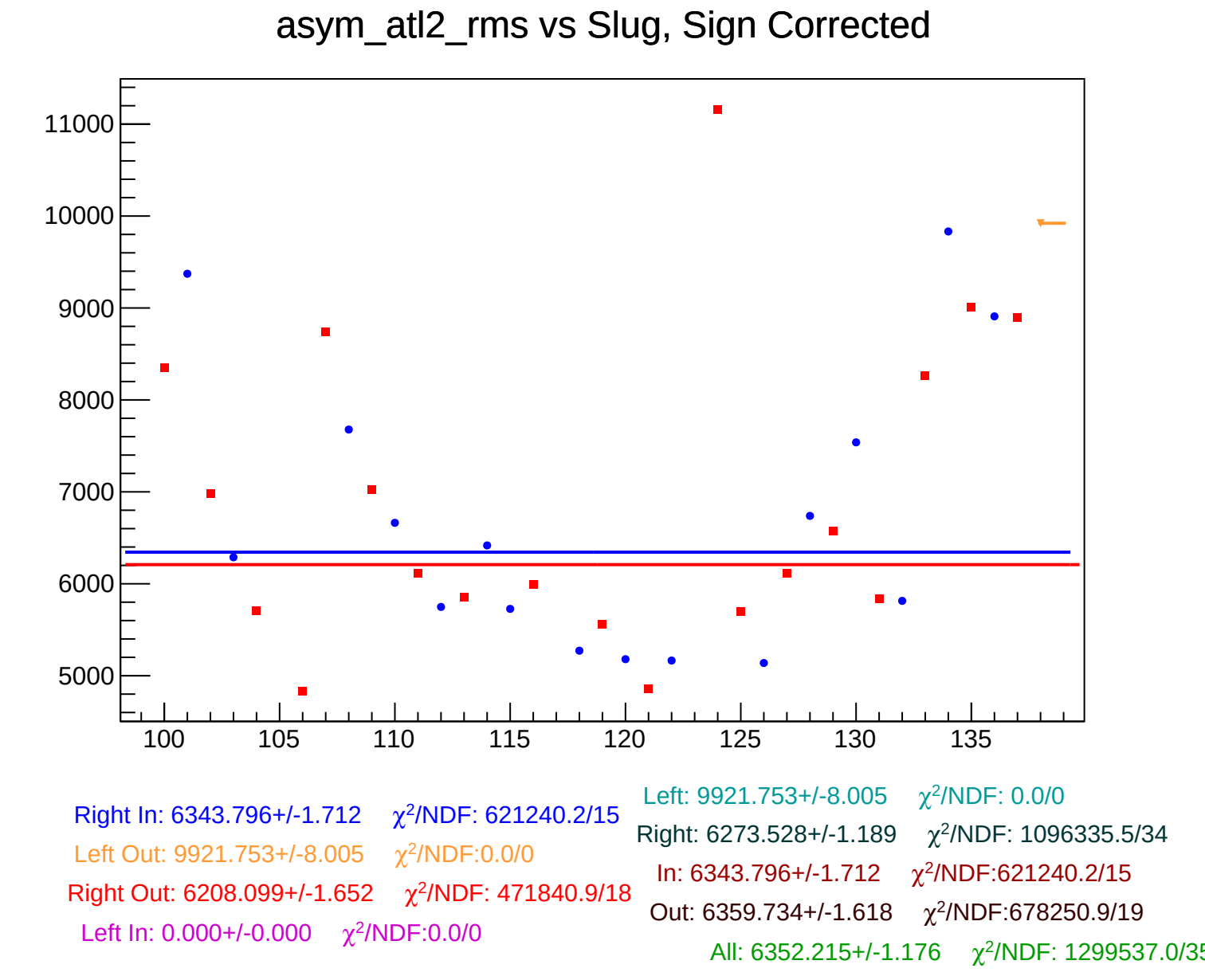
Left: -11431.131+/-11321.352 χ^2/NDF: 0.0/0

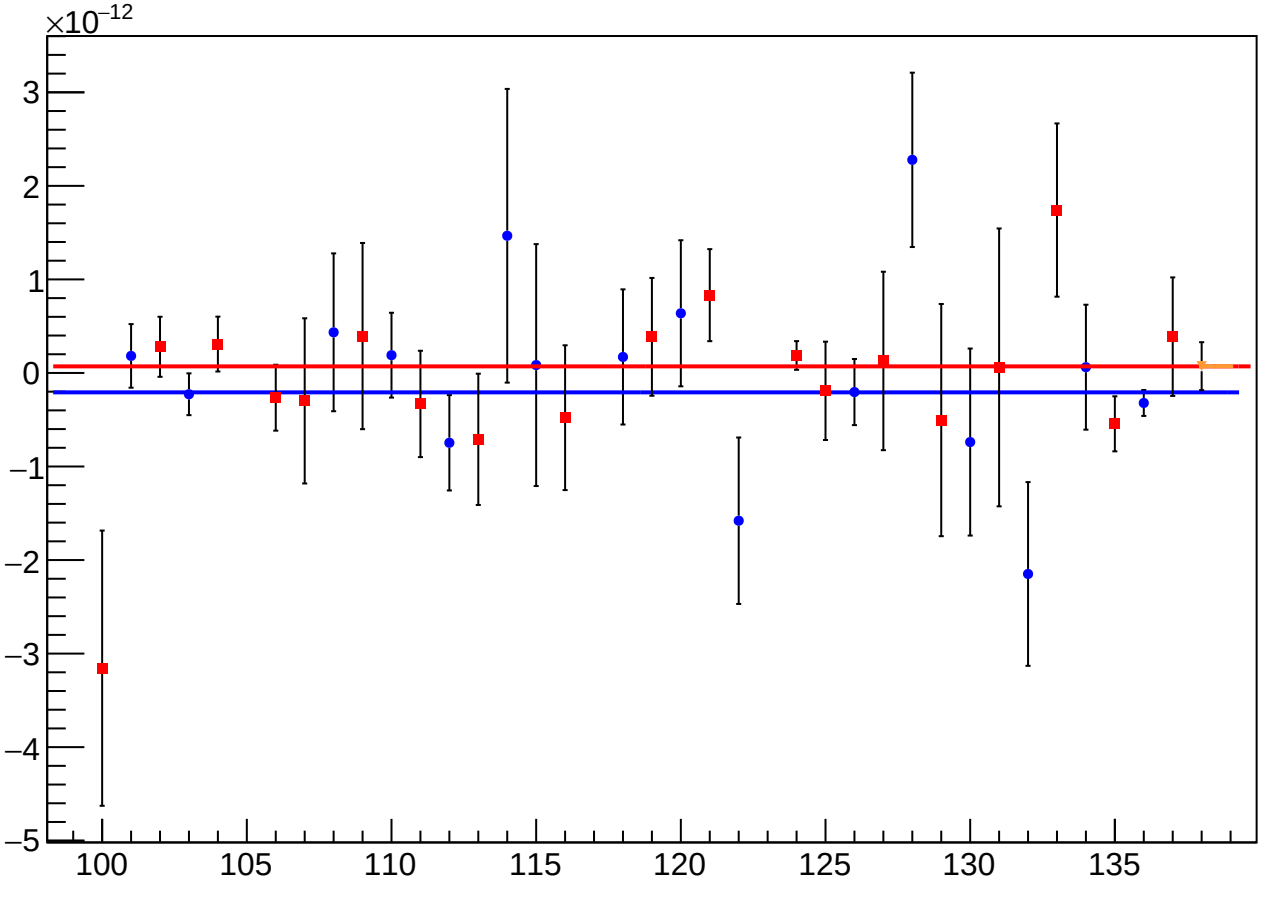
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 3070.293+/-2420.721 χ^2/NDF:14.9/15

Out: 1036.345+/-2287.697 χ^2/NDF:20.5/19

All: 1995.901+/-1662.685 χ^2/NDF: 35.7/35


asym_atl2_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
100
105
110
115
120
125
130
135
Right In: 6343.796+/-1.712 χ²/NDF: 621240.2/15
Left Out: 9921.753+/-8.005 χ²/NDF:0.0/0
Right Out: 6208.099+/-1.652 χ²/NDF: 471840.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 9921.753+/-8.005 χ²/NDF: 0.0/0
Right: 6273.528+/-1.189 χ²/NDF: 1096335.5/34
In: 6343.796+/-1.712 χ²/NDF:621240.2/15
Out: 6359.734+/-1.618 χ²/NDF:678250.9/19
All: 6352.215+/-1.176 χ²/NDF: 1299537.0/35



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

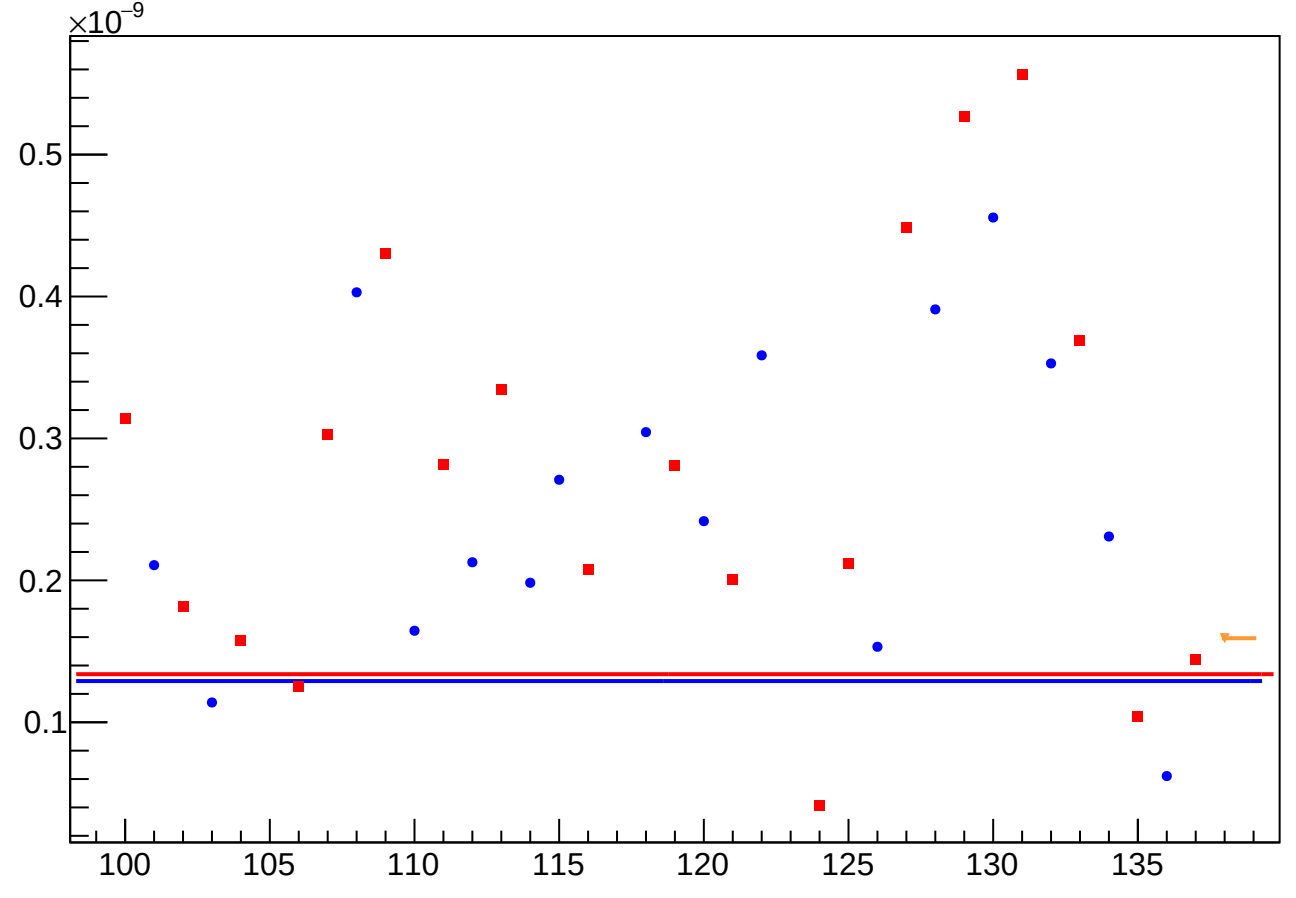
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:20.9/15

Out: 0.000+/-0.000 χ^2/NDF:20.9/19

All: -0.000+/-0.000 χ^2/NDF: 46.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

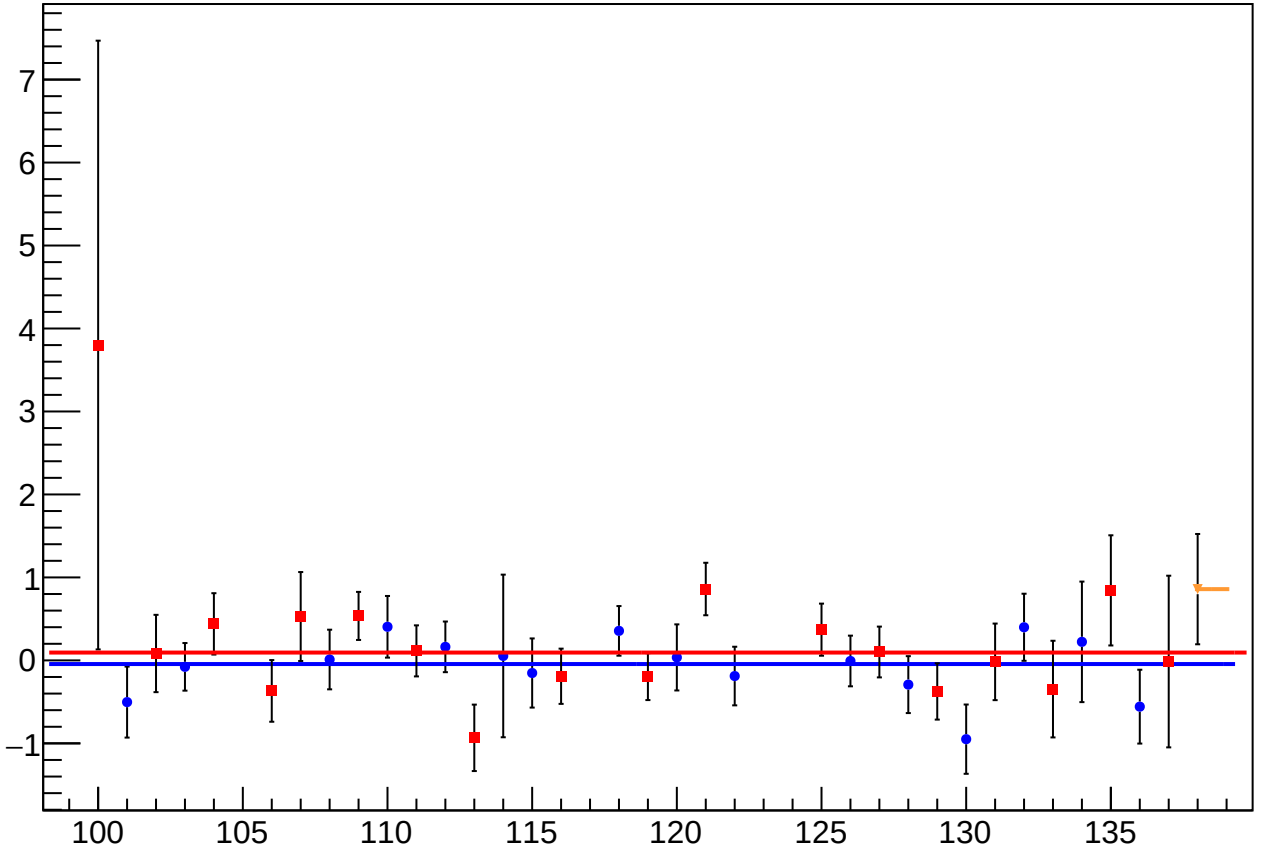
Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:1720321.1/15

Out: 0.000+/-0.000 χ^2/NDF:2321639.7/19

All: 0.000+/-0.000 χ^2/NDF: 4049329.6/35

asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.859+/-0.665 χ^2/NDF:0.0/0

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

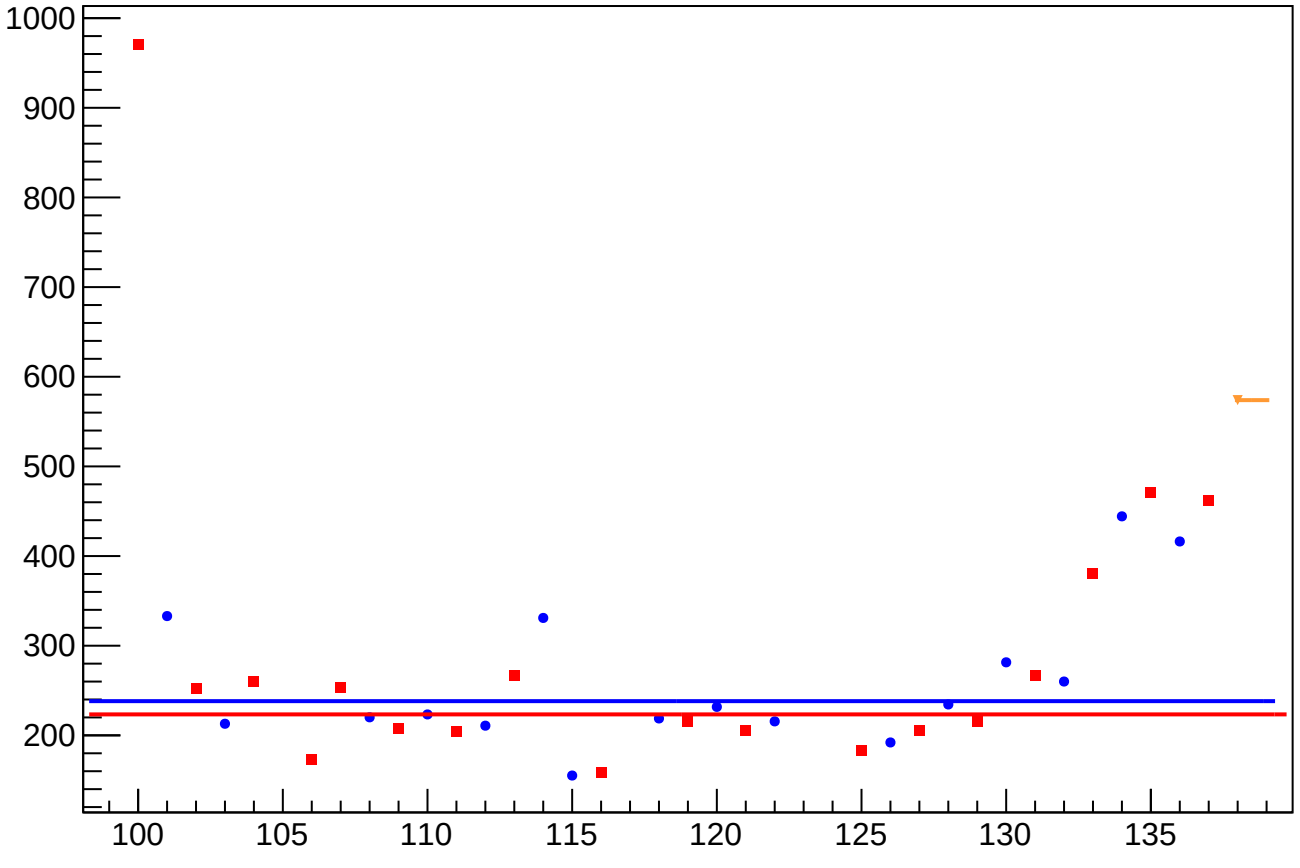
Left: 0.859+/-0.665 χ^2/NDF: 0.0/0

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.044+/-0.094 χ^2/NDF:13.1/15

Out: 0.108+/-0.089 χ^2/NDF:26.6/18

All: 0.036+/-0.065 χ^2/NDF: 41.0/34



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 573.925+/-0.470 χ^2/NDF:0.0/0

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 573.925+/-0.470 χ^2/NDF: 0.0/0

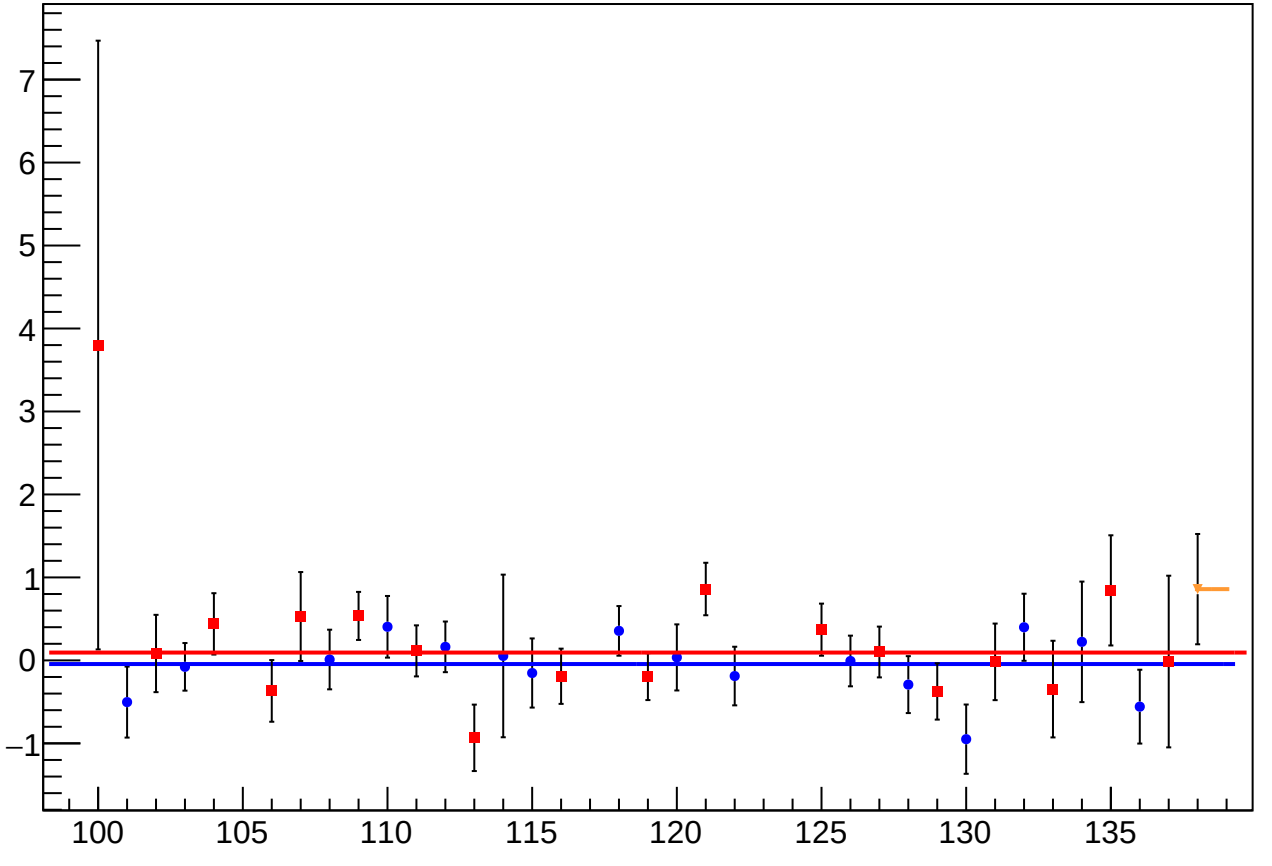
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 238.165+/-0.066 χ^2/NDF:807205.2/15

Out: 229.703+/-0.063 χ^2/NDF:1408617.3/18

All: 233.723+/-0.046 χ^2/NDF: 2224367.0/34

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: 0.859+/-0.665 χ^2/NDF:0.0/0

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

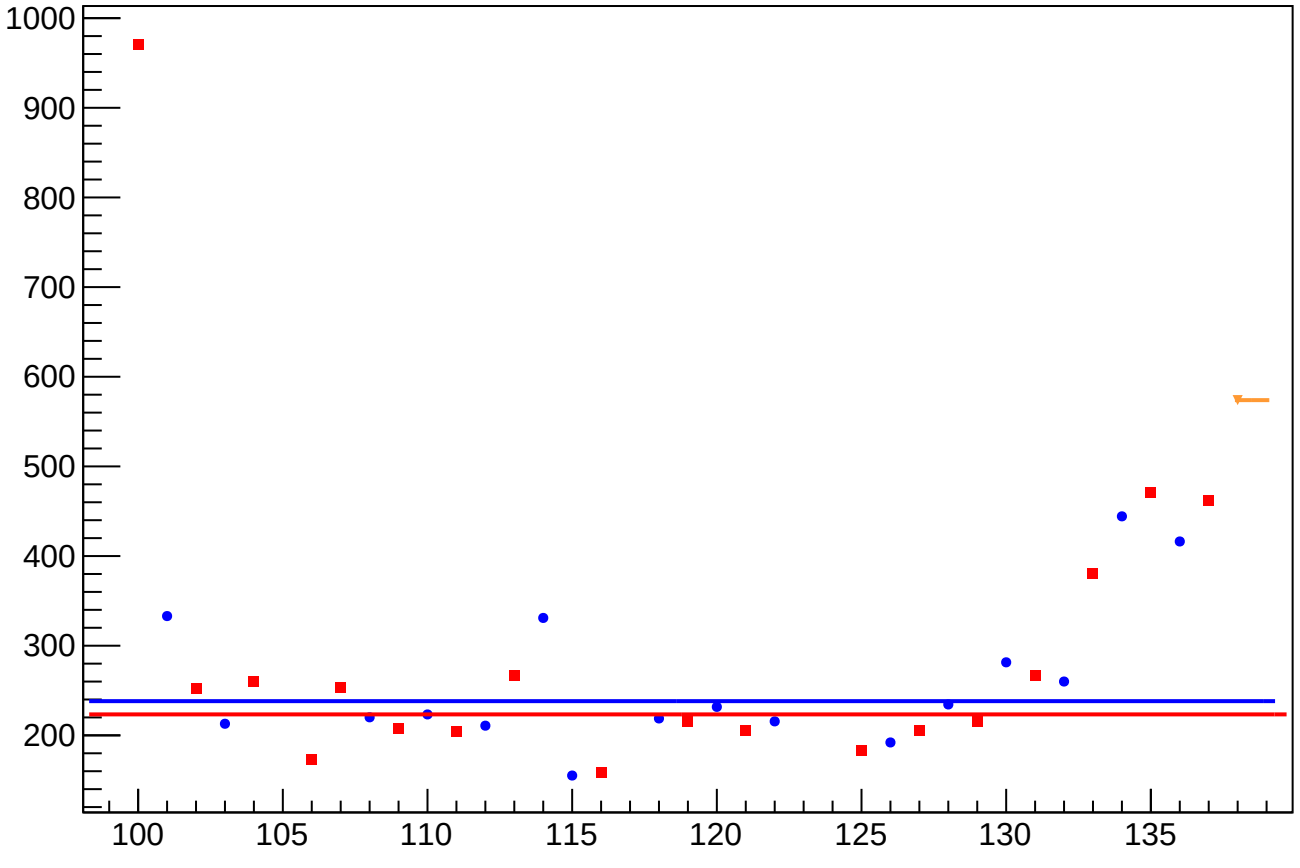
Left: 0.859+/-0.665 χ^2/NDF: 0.0/0

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.044+/-0.094 χ^2/NDF:13.1/15

Out: 0.108+/-0.089 χ^2/NDF:26.6/18

All: 0.036+/-0.065 χ^2/NDF: 41.0/34



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 573.925+/-0.470 χ^2/NDF:0.0/0

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

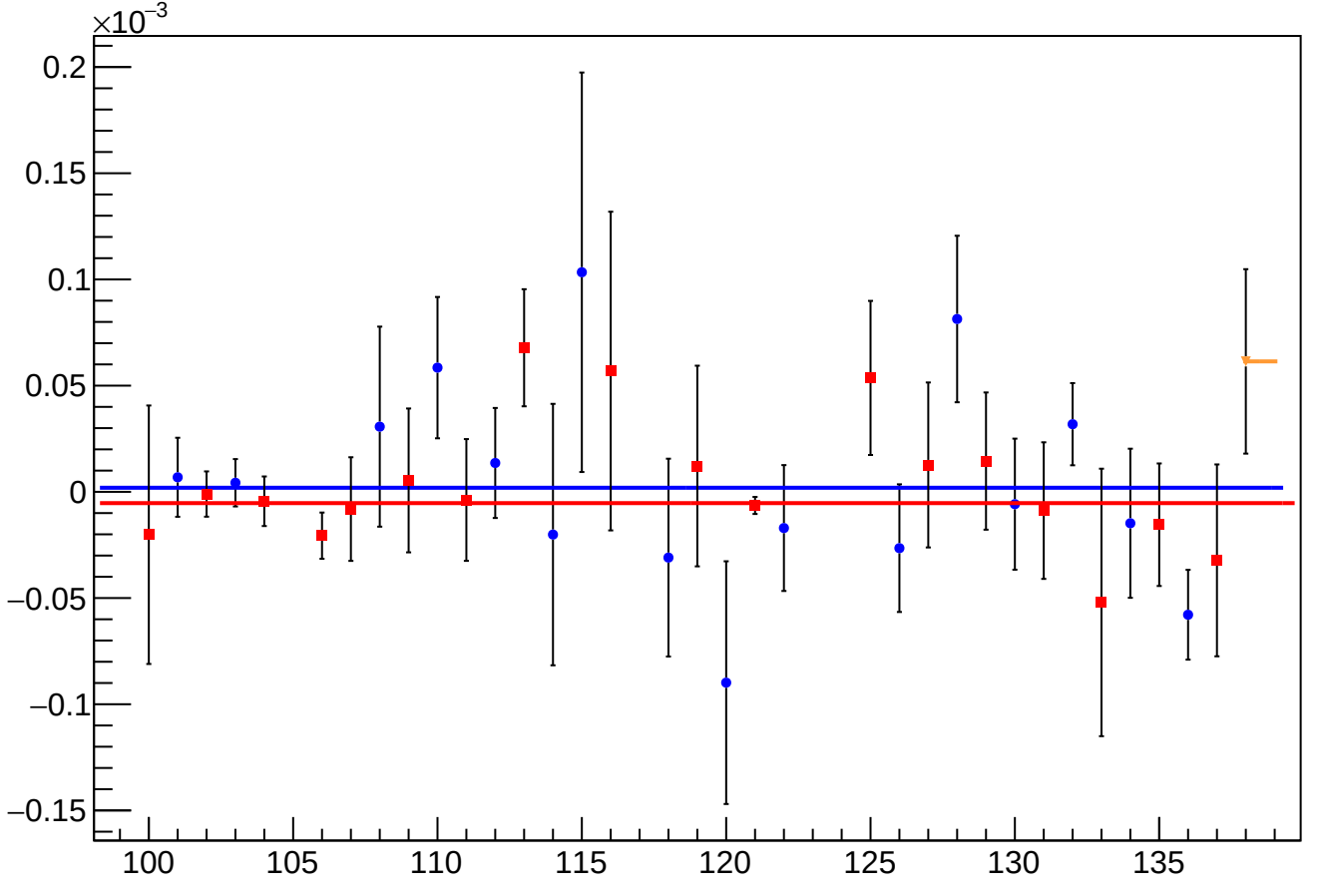
Left: 573.925+/-0.470 χ^2/NDF: 0.0/0

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 238.165+/-0.066 χ^2/NDF:807205.2/15

Out: 229.703+/-0.063 χ^2/NDF:1408617.3/18

All: 233.723+/-0.046 χ^2/NDF: 2224367.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

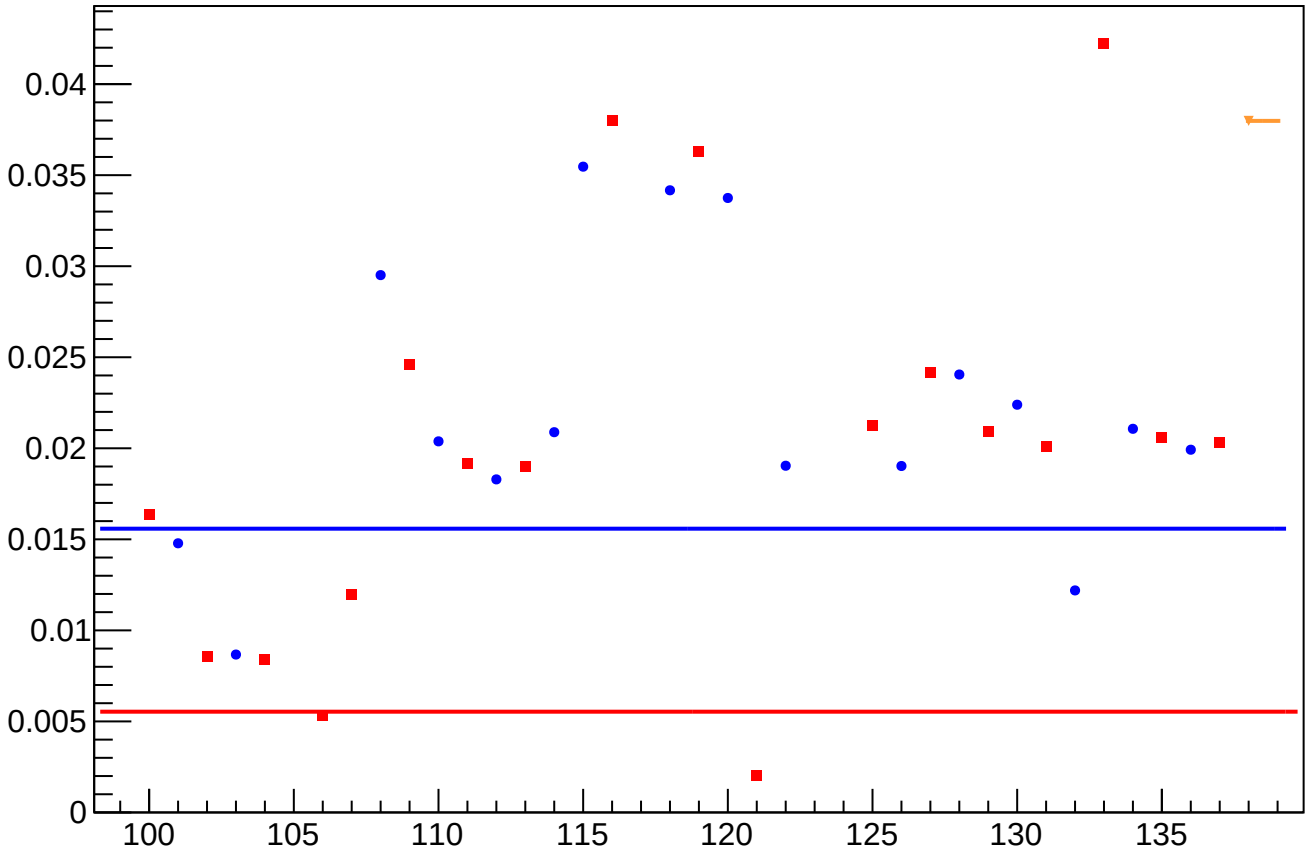
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:24.0/15

Out: -0.000+/-0.000 χ^2/NDF:16.9/18

All: -0.000+/-0.000 χ^2/NDF: 41.9/34



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.038+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.038+/-0.000 χ^2/NDF: 0.0/0

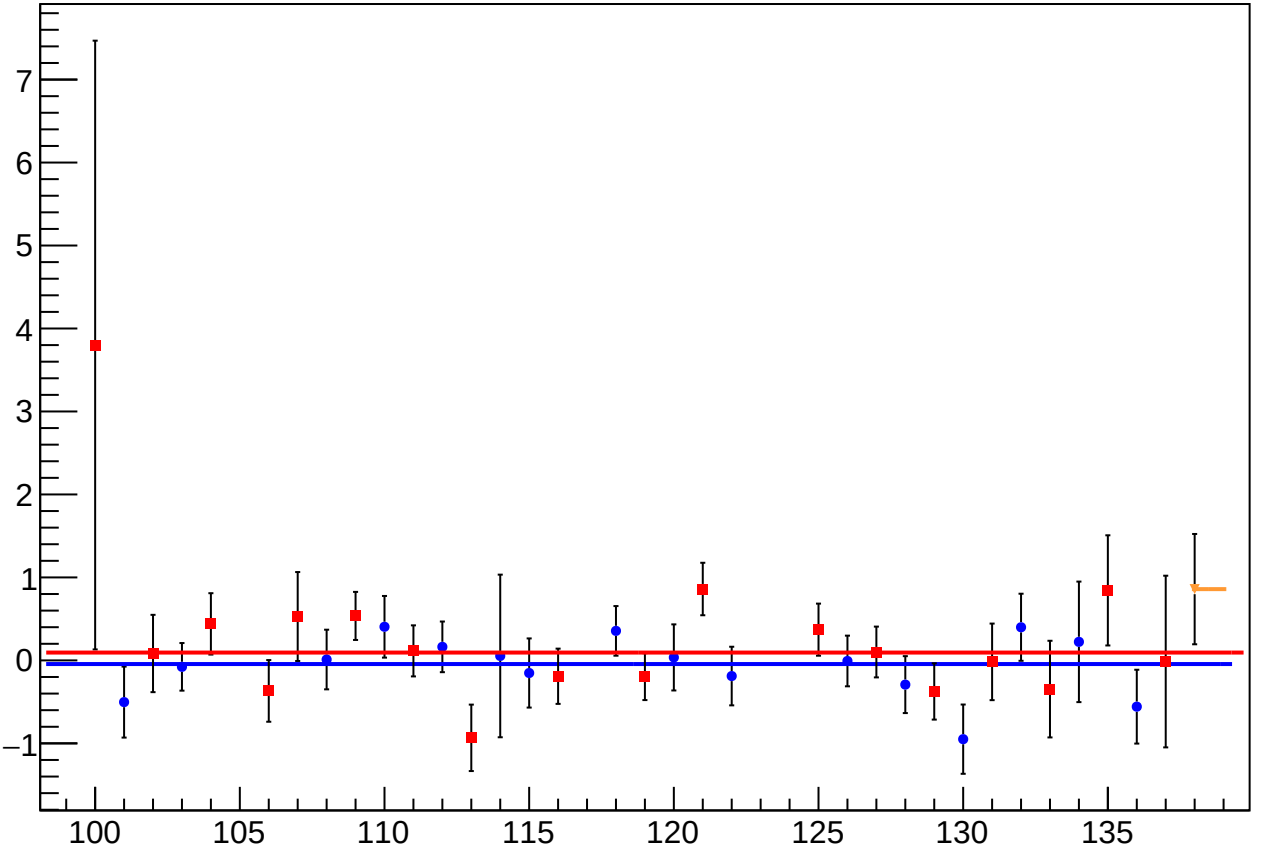
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.016+/-0.000 χ^2/NDF:2074656.7/15

Out: 0.006+/-0.000 χ^2/NDF:9066030.5/18

All: 0.008+/-0.000 χ^2/NDF: 14977675.3/34

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: 0.859+/-0.665 χ^2/NDF:0.0/0

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

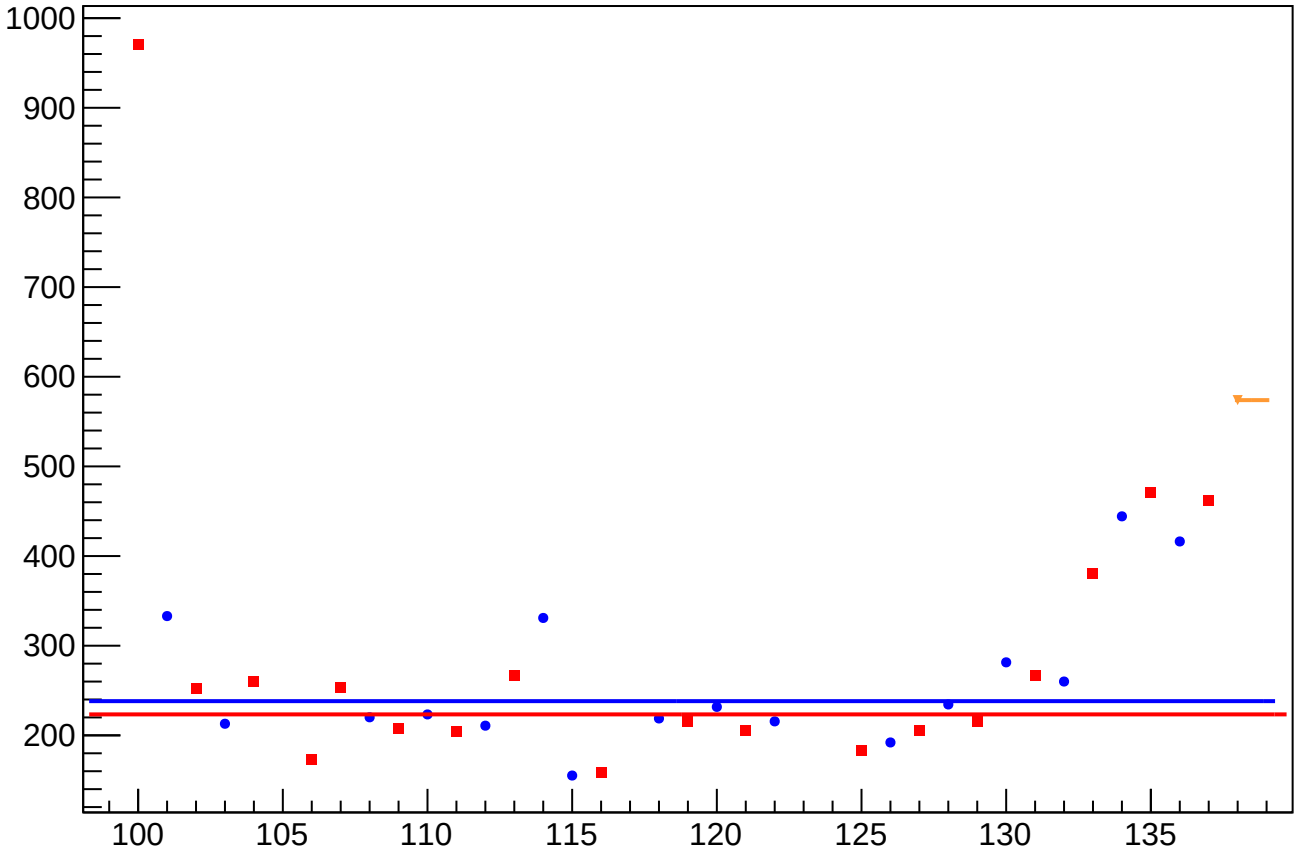
Left: 0.859+/-0.665 χ^2/NDF: 0.0/0

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.044+/-0.094 χ^2/NDF:13.1/15

Out: 0.108+/-0.089 χ^2/NDF:26.6/18

All: 0.036+/-0.065 χ^2/NDF: 41.0/34



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 573.928+/-0.470 χ^2/NDF:0.0/0

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 573.928+/-0.470 χ^2/NDF: 0.0/0

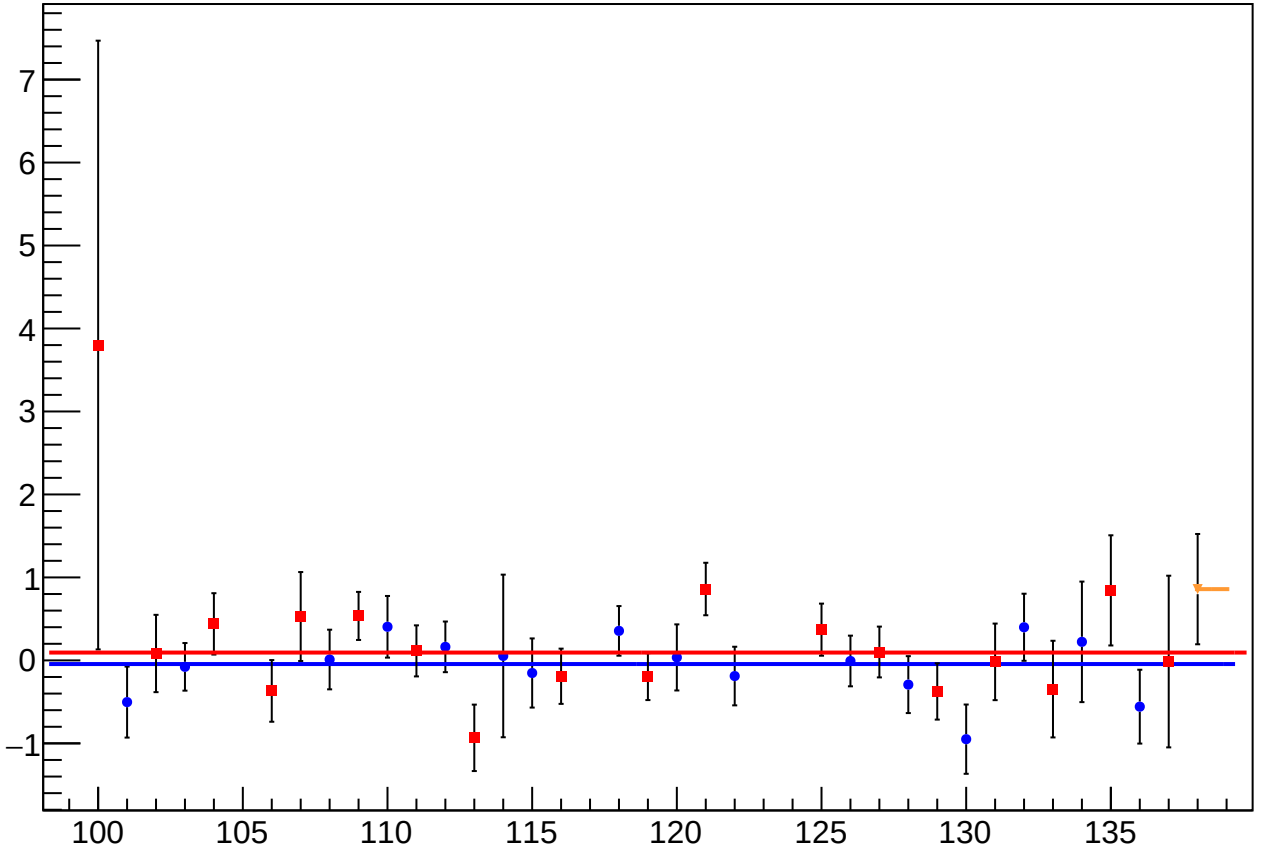
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 238.165+/-0.066 χ^2/NDF:807170.1/15

Out: 229.705+/-0.063 χ^2/NDF:1408560.1/18

All: 233.724+/-0.046 χ^2/NDF: 2224272.9/34

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: 0.859+/-0.665 χ^2/NDF:0.0/0

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.859+/-0.665 χ^2/NDF: 0.0/0

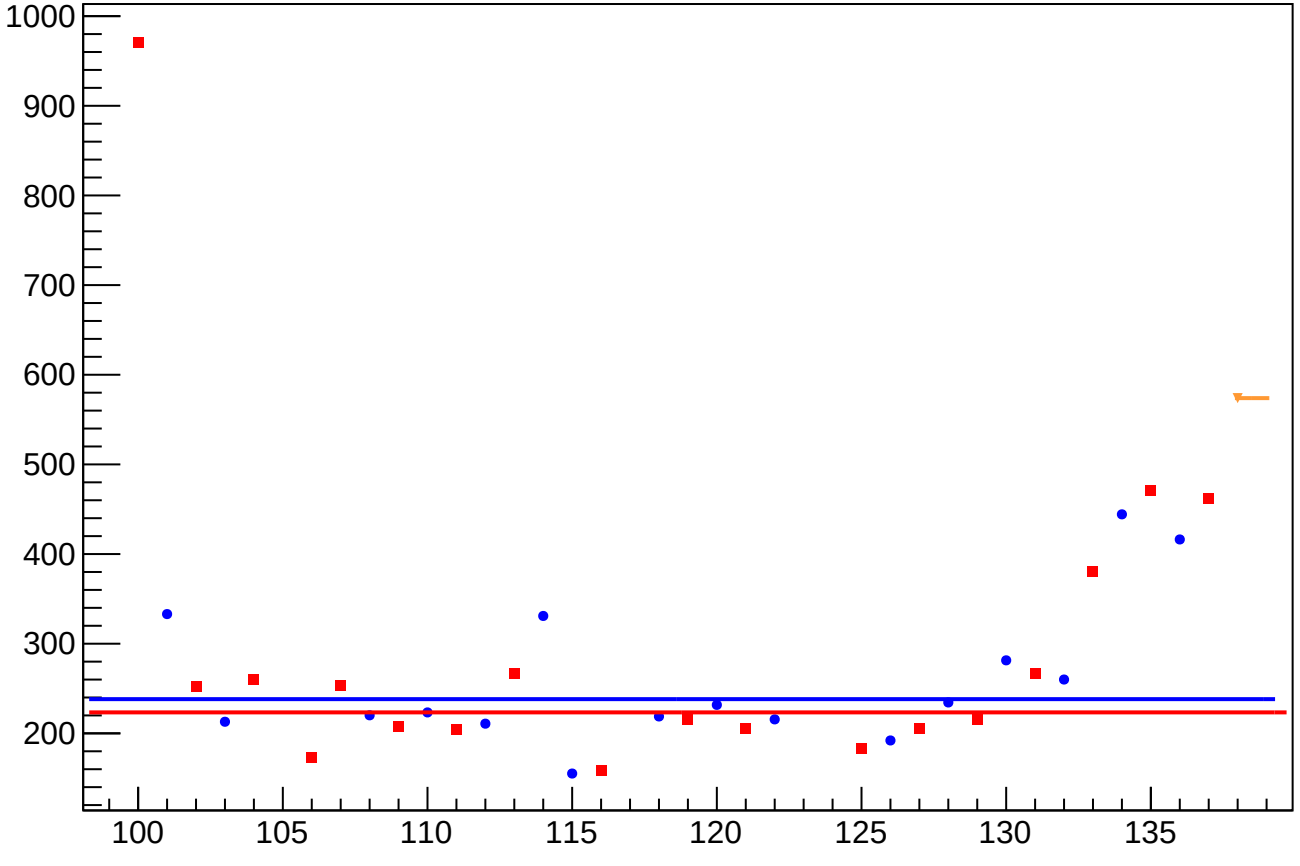
Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.044+/-0.094 χ^2/NDF:13.1/15

Out: 0.108+/-0.089 χ^2/NDF:26.6/18

All: 0.036+/-0.065 χ^2/NDF: 41.0/34

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: 573.928+/-0.470 χ^2/NDF:0.0/0

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

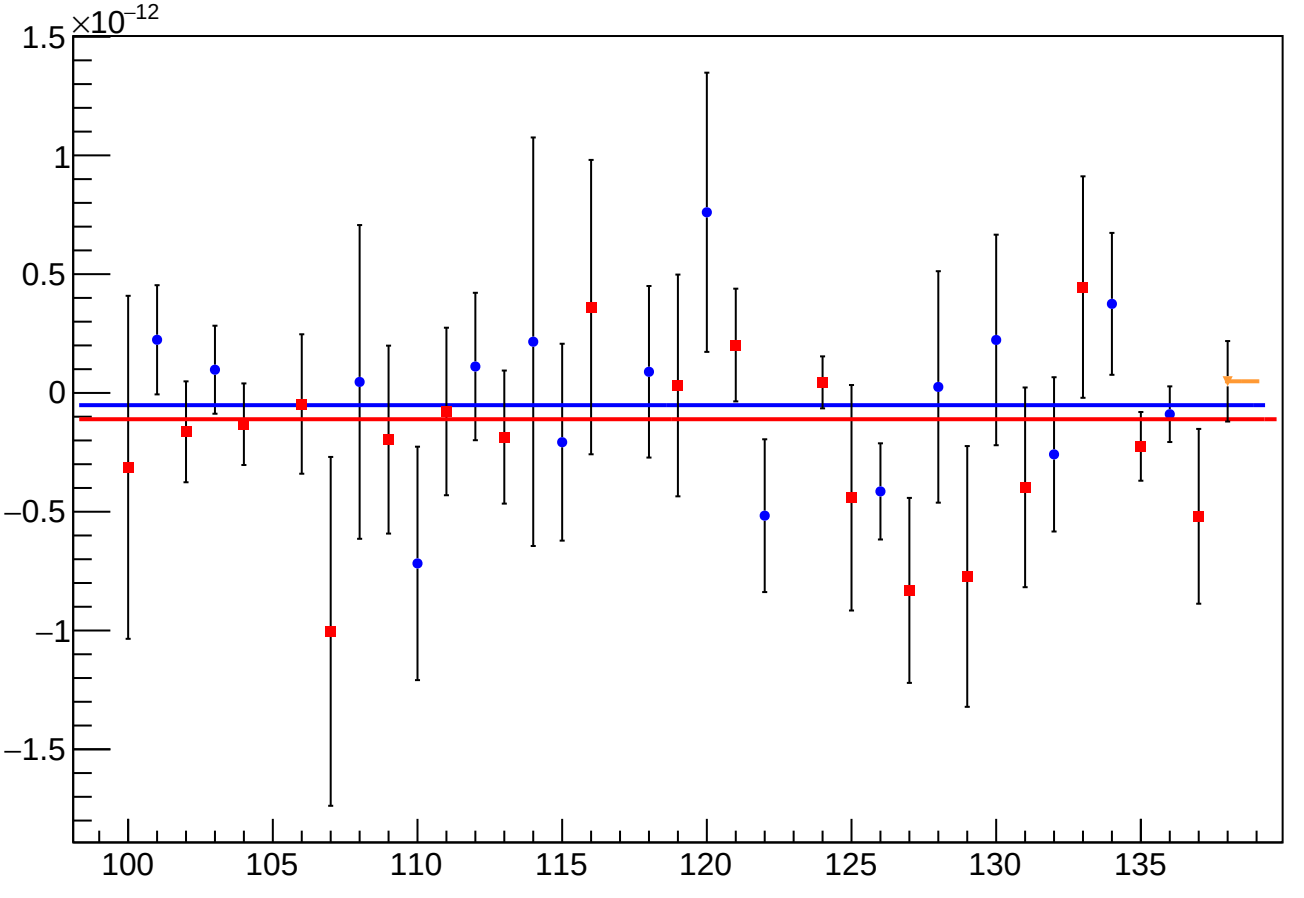
Left: 573.928+/-0.470 χ^2/NDF: 0.0/0

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 238.165+/-0.066 χ^2/NDF:807170.1/15

Out: 229.705+/-0.063 χ^2/NDF:1408560.1/18

All: 233.724+/-0.046 χ^2/NDF: 2224272.9/34



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

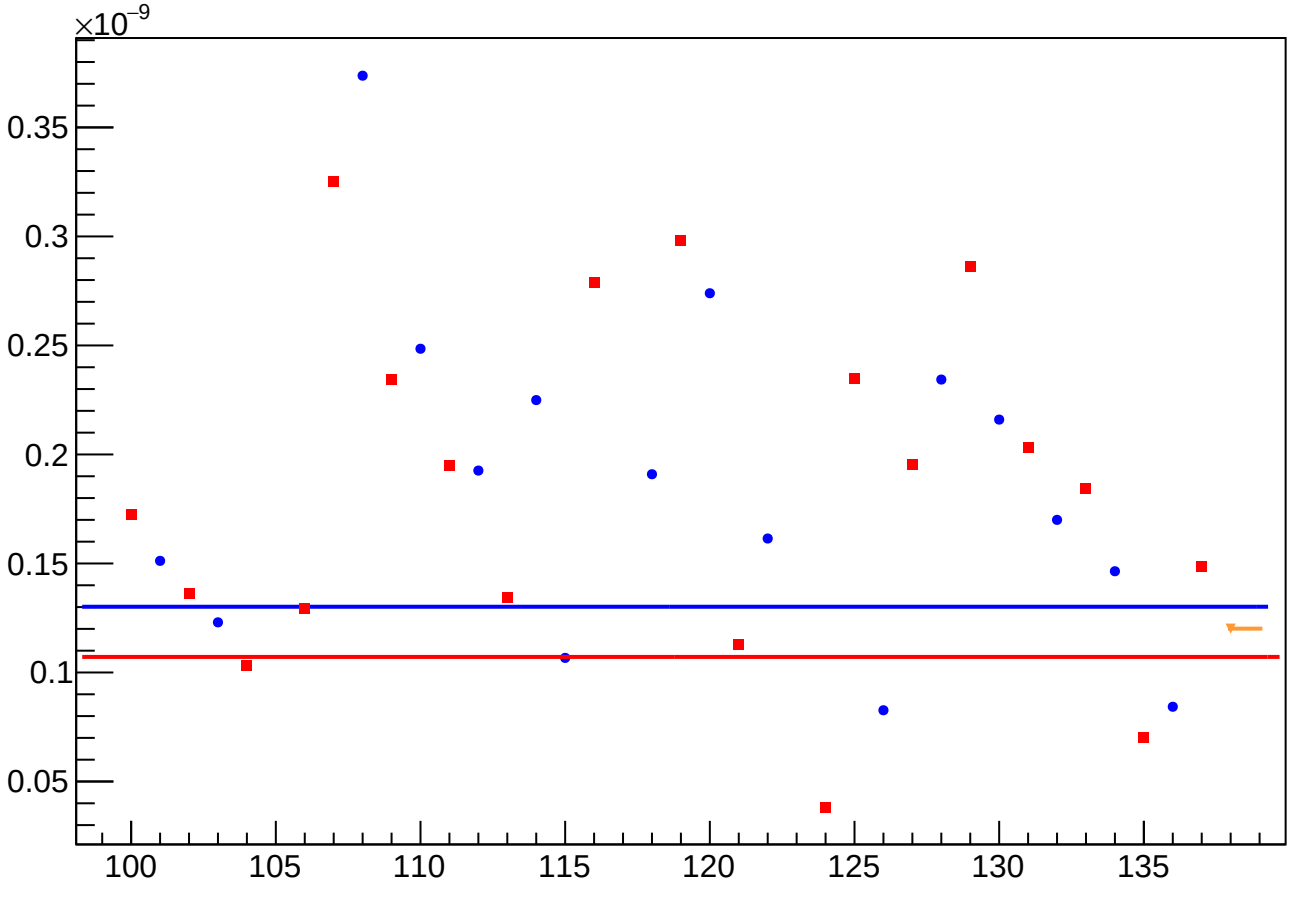
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:14.8/15

Out: -0.000+/-0.000 χ^2/NDF:16.1/19

All: -0.000+/-0.000 χ^2/NDF: 31.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

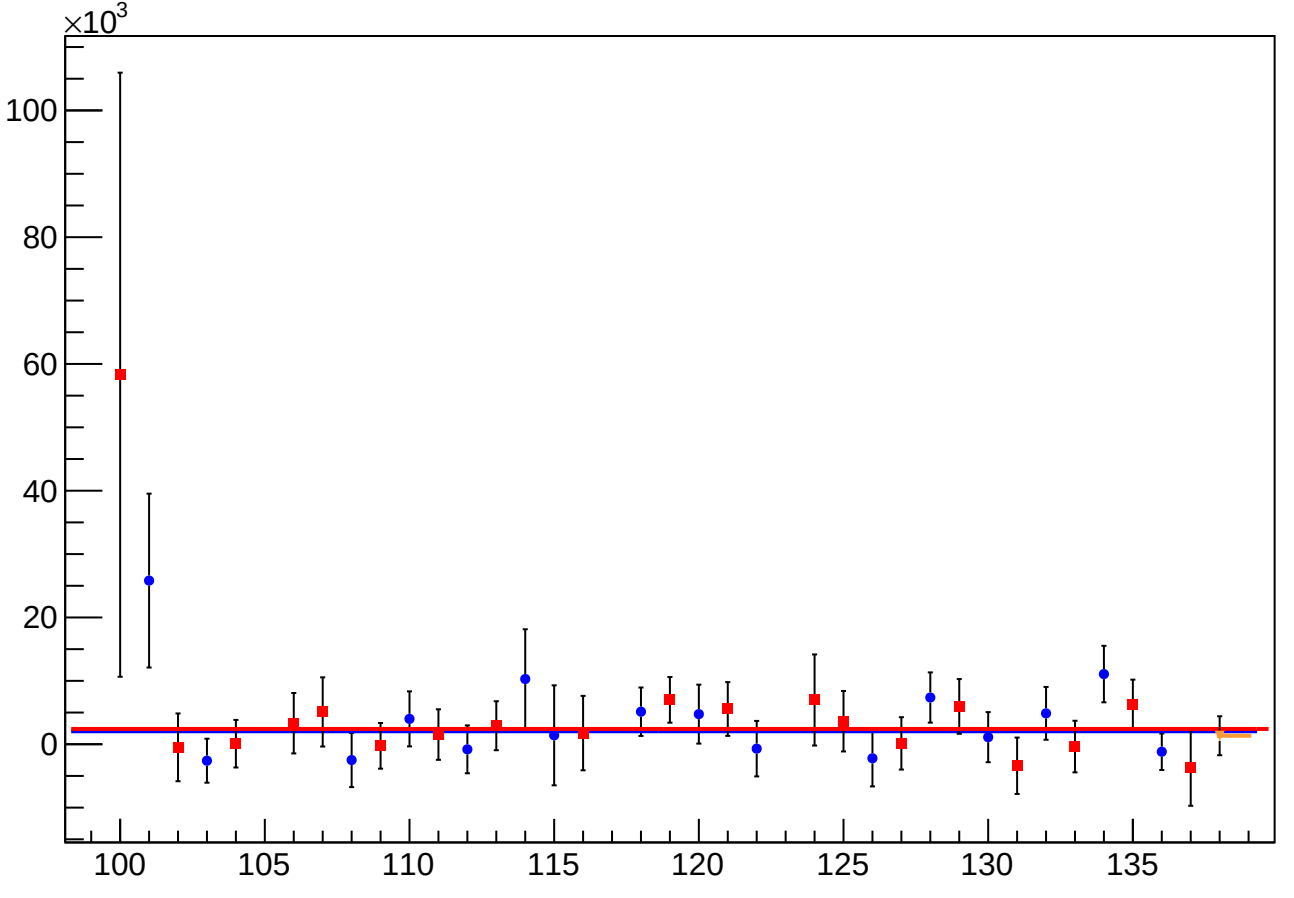
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:1334266.1/15

Out: 0.000+/-0.000 χ^2/NDF:2666628.9/19

All: 0.000+/-0.000 χ^2/NDF: 4122759.8/35

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1339.395+/-3072.706 χ^2/NDF:0.0/0

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1339.395+/-3072.706 χ^2/NDF: 0.0/0

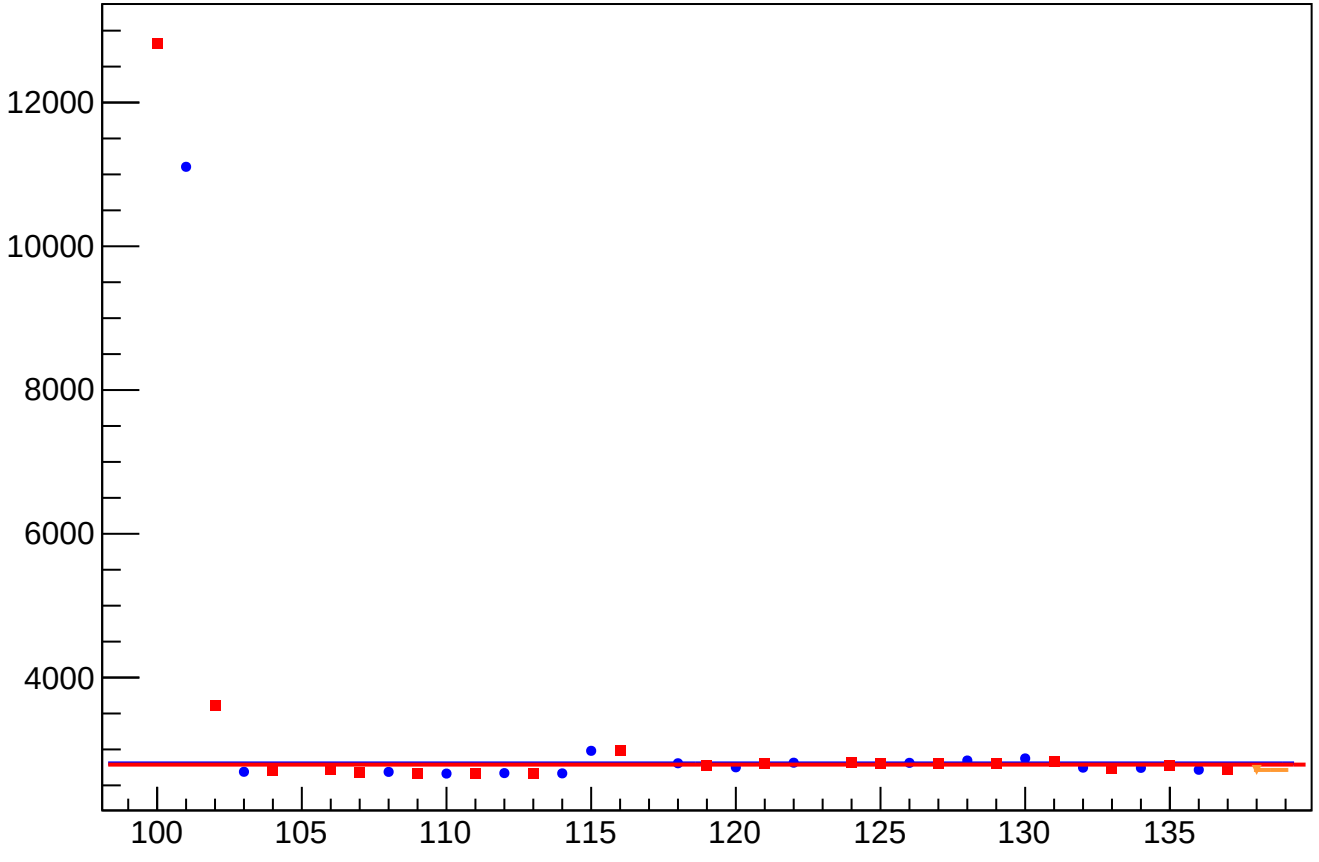
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2049.493+/-1070.395 χ^2/NDF:17.8/15

Out: 2302.488+/-981.252 χ^2/NDF:10.9/19

All: 2186.962+/-723.315 χ^2/NDF: 28.7/35

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2714.429+/-2.173 χ^2/NDF:0.0/0

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

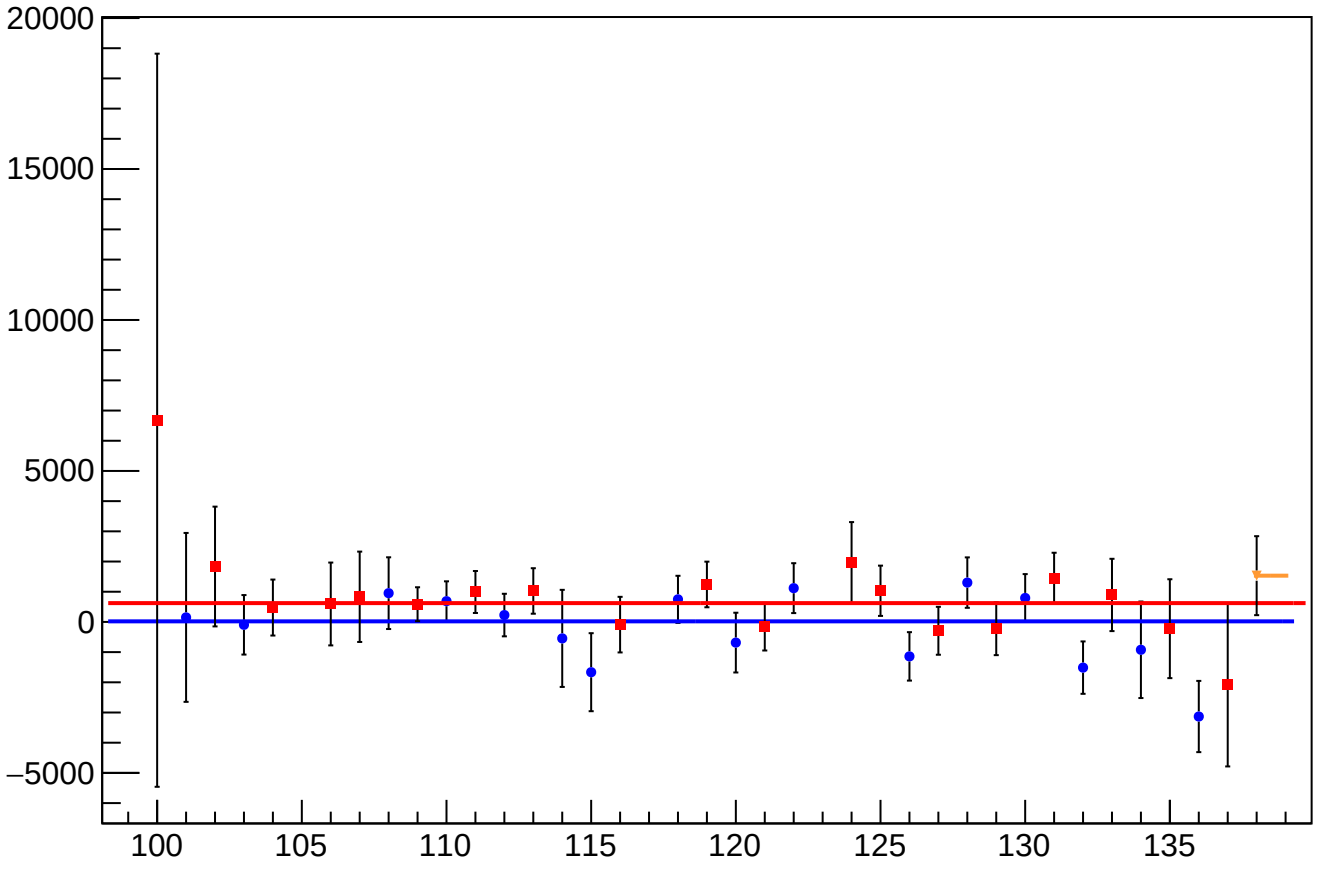
Left: 2714.429+/-2.173 χ^2/NDF: 0.0/0

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2805.446+/-0.757 χ^2/NDF:746240.6/15

Out: 2781.234+/-0.694 χ^2/NDF:148051.1/19

All: 2792.290+/-0.511 χ^2/NDF: 894847.7/35



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: 1531.711+/-1307.884 χ^2/NDF:0.0/0

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

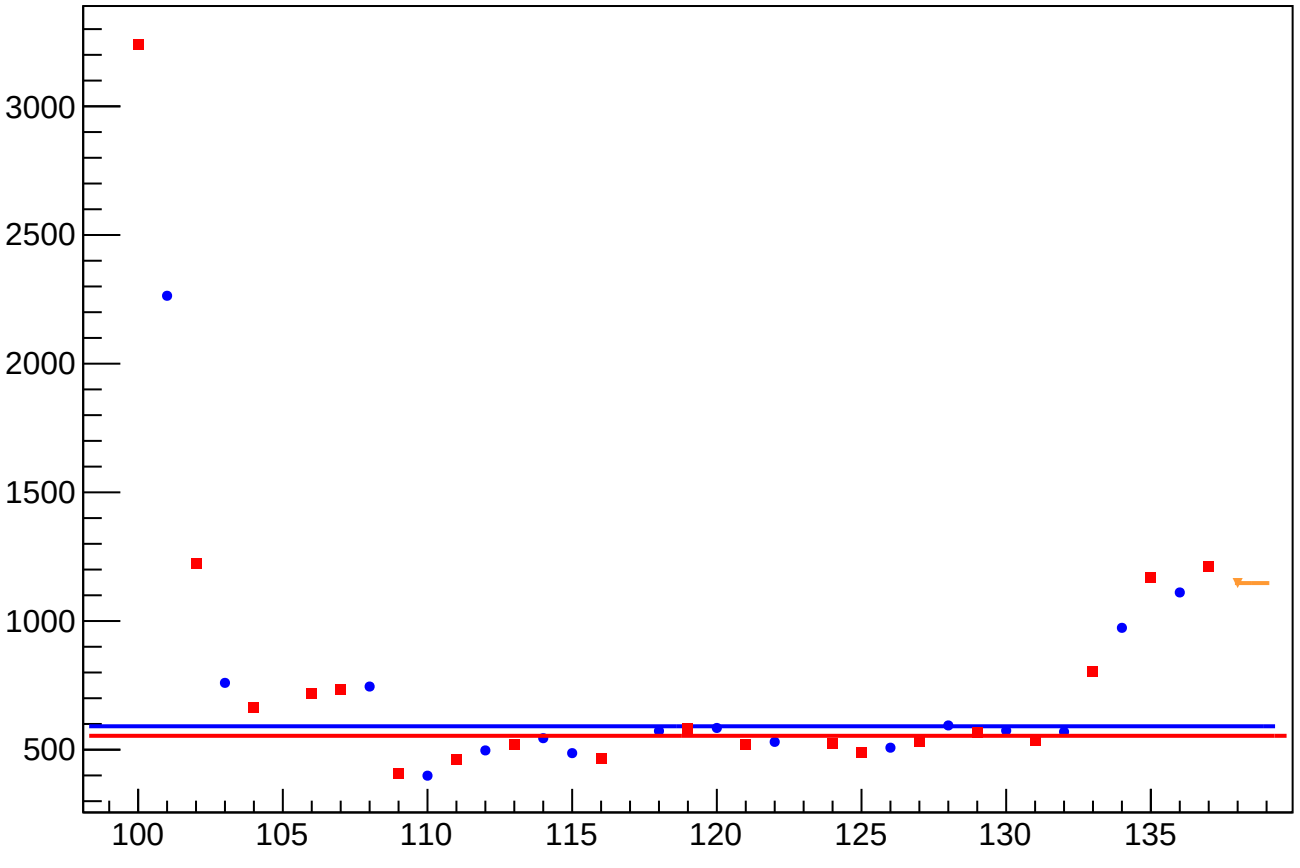
Left: 1531.711+/-1307.884 χ^2/NDF: 0.0/0

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 18.981+/-233.483 χ^2/NDF:22.8/15

Out: 647.220+/-213.063 χ^2/NDF:9.7/19

All: 361.769+/-157.383 χ^2/NDF: 36.5/35



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 1147.476+/-0.925 χ^2/NDF:0.0/0

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1147.476+/-0.925 χ^2/NDF: 0.0/0

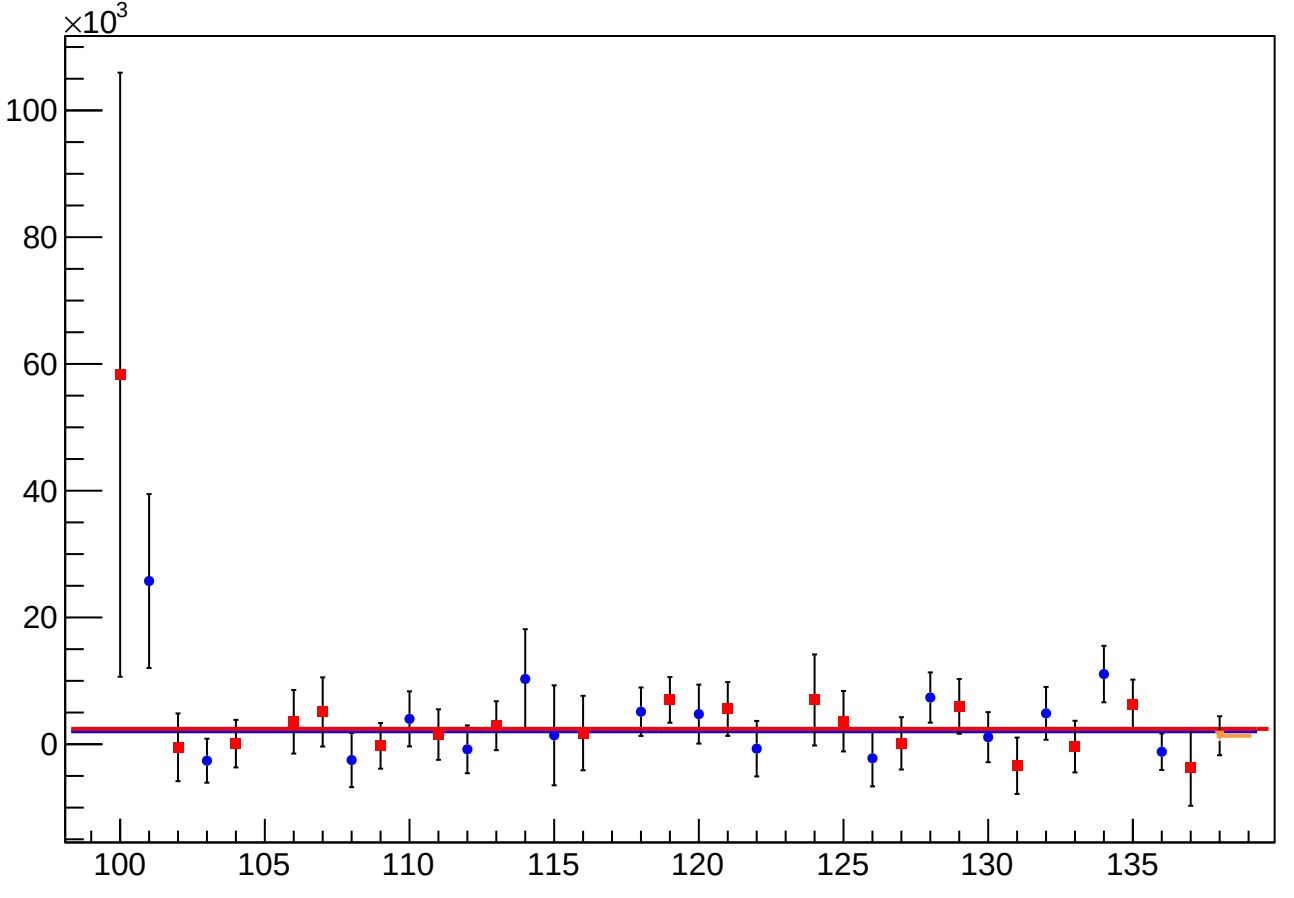
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 591.041+/-0.165 χ^2/NDF:1567663.5/15

Out: 569.732+/-0.151 χ^2/NDF:1517821.5/19

All: 579.414+/-0.111 χ^2/NDF: 3094574.5/35

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1339.444+/-3072.706 χ^2/NDF:0.0/0

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1339.444+/-3072.706 χ^2/NDF: 0.0/0

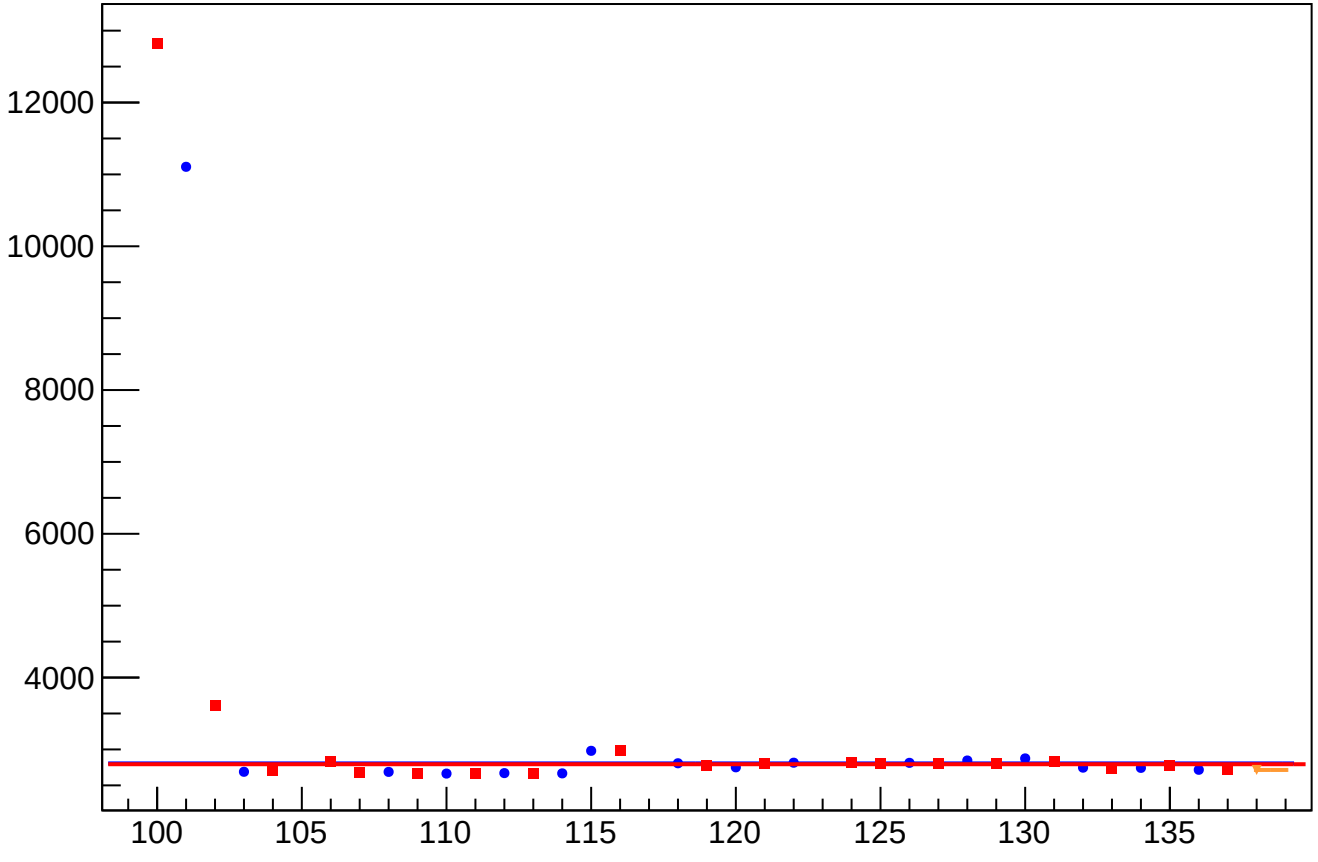
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2048.688+/-1070.395 χ^2/NDF:17.8/15

Out: 2307.471+/-983.281 χ^2/NDF:10.9/19

All: 2189.037+/-724.127 χ^2/NDF: 28.7/35

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2714.429+/-2.173 χ^2/NDF:0.0/0

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

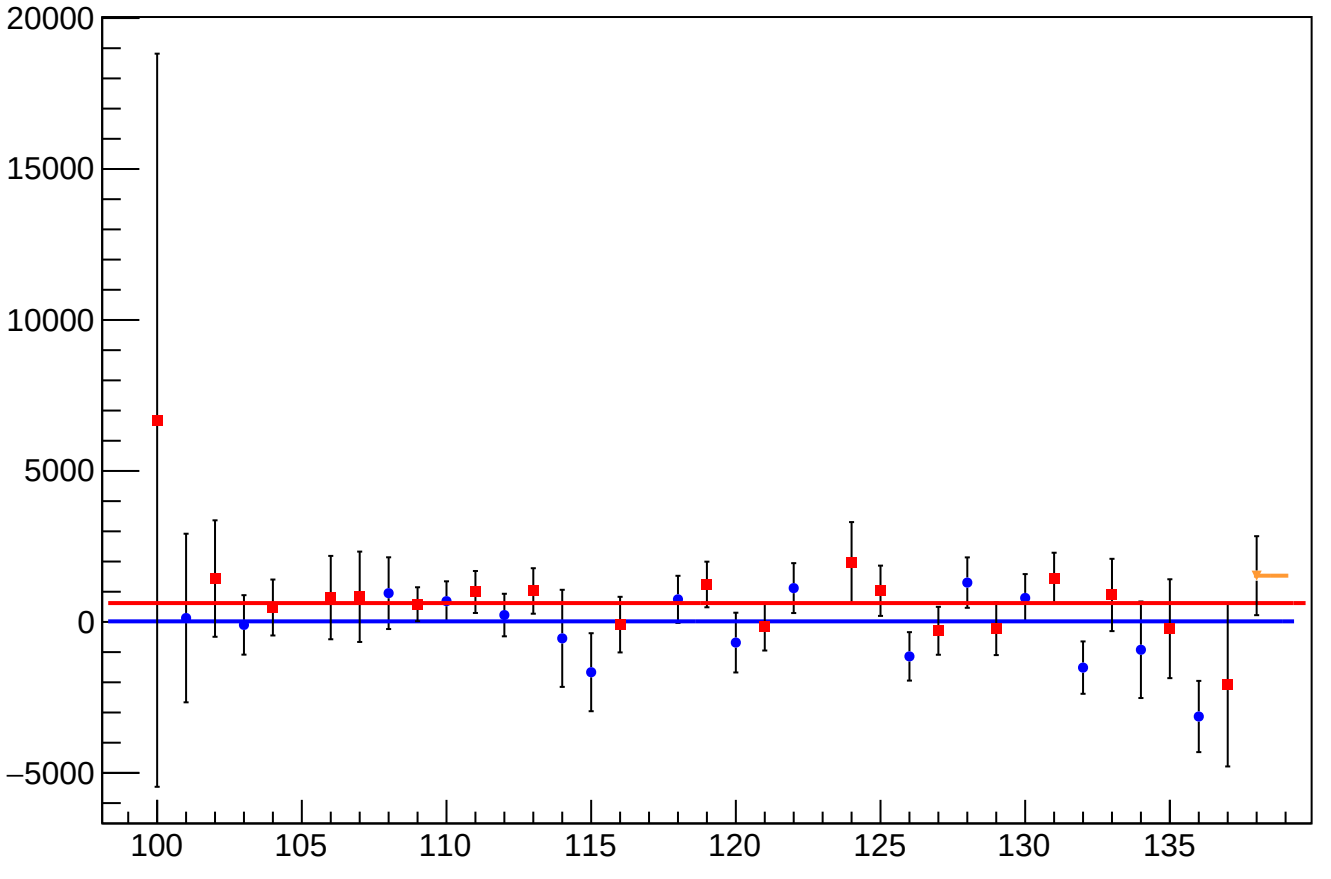
Left: 2714.429+/-2.173 χ^2/NDF: 0.0/0

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2805.446+/-0.757 χ^2/NDF:746239.8/15

Out: 2785.993+/-0.695 χ^2/NDF:147952.9/19

All: 2794.895+/-0.512 χ^2/NDF: 894550.9/35



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 1531.514+/-1307.883 χ^2/NDF:0.0/0

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1531.514+/-1307.883 χ^2/NDF: 0.0/0

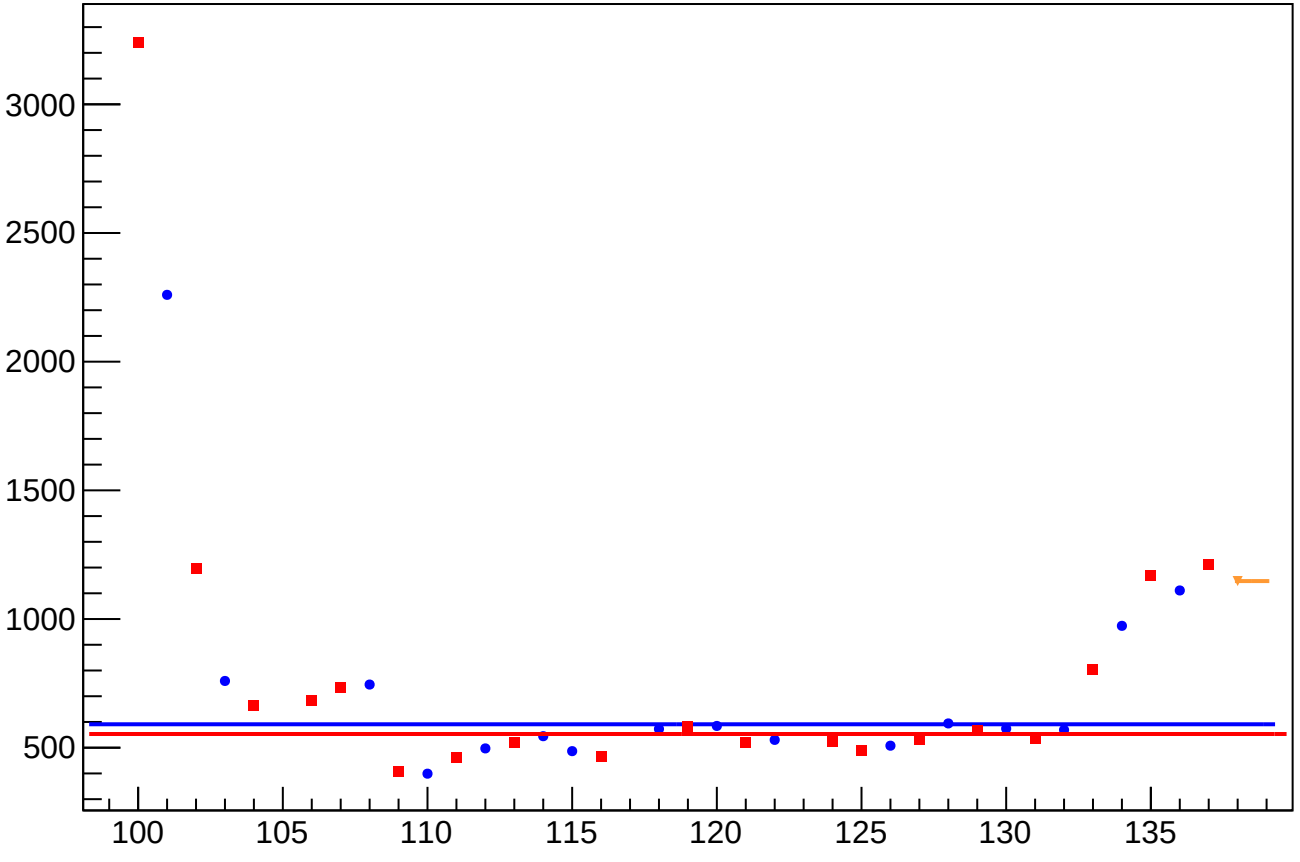
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 18.940+/-233.471 χ^2/NDF:22.8/15

Out: 648.285+/-213.019 χ^2/NDF:9.6/19

All: 362.381+/-157.362 χ^2/NDF: 36.3/35

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1147.472+/-0.925 χ^2/NDF:0.0/0

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

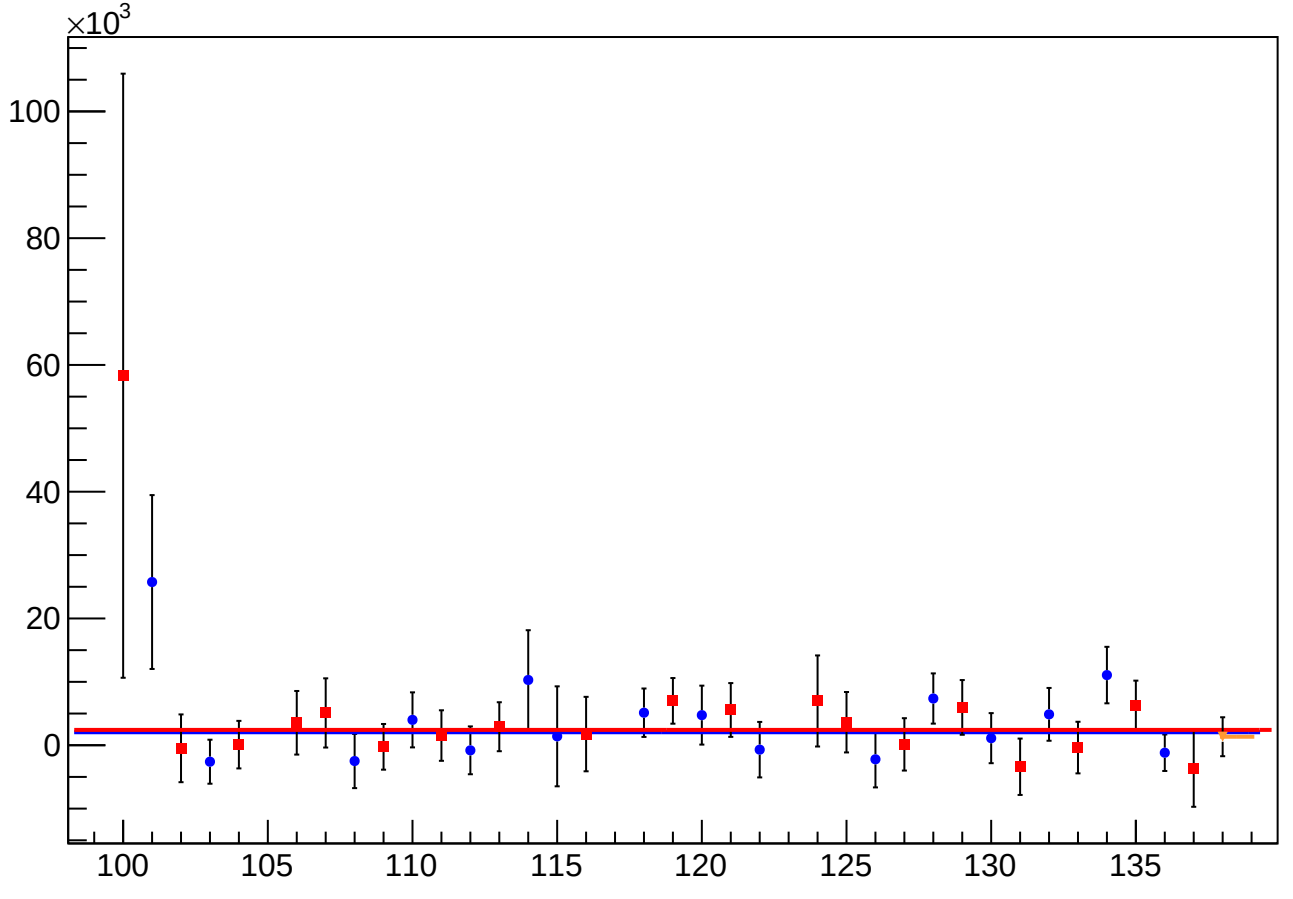
Left: 1147.472+/-0.925 χ^2/NDF: 0.0/0

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 591.039+/-0.165 χ^2/NDF:1566635.0/15

Out: 568.997+/-0.151 χ^2/NDF:1503569.8/19

All: 579.010+/-0.111 χ^2/NDF: 3079933.6/35



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1339.444+/-3072.706 χ^2/NDF:0.0/0

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

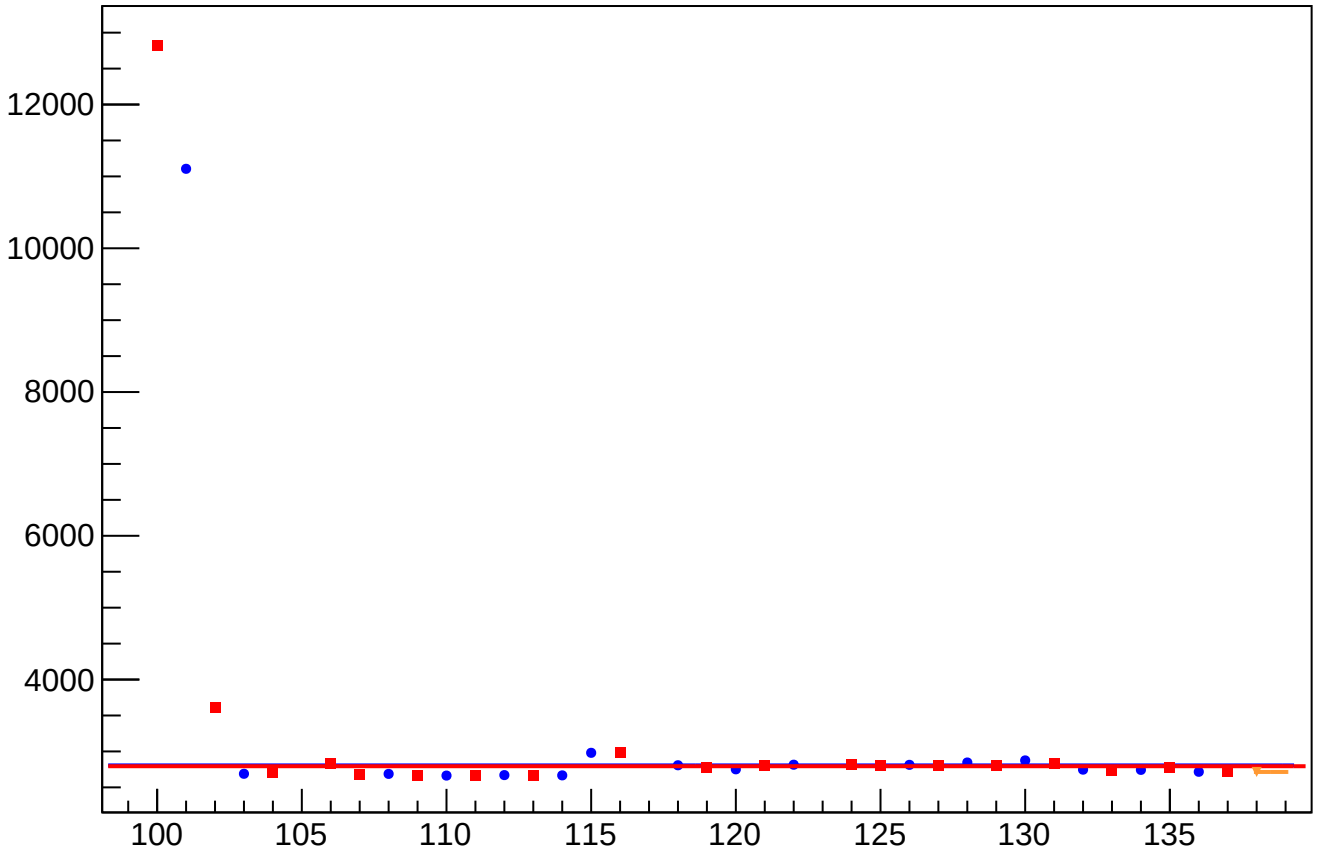
Left: 1339.444+/-3072.706 χ^2/NDF: 0.0/0

Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2048.688+/-1070.395 χ^2/NDF:17.8/15

Out: 2307.471+/-983.281 χ^2/NDF:10.9/19

All: 2189.037+/-724.127 χ^2/NDF: 28.7/35



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2714.429+/-2.173 χ^2/NDF:0.0/0

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

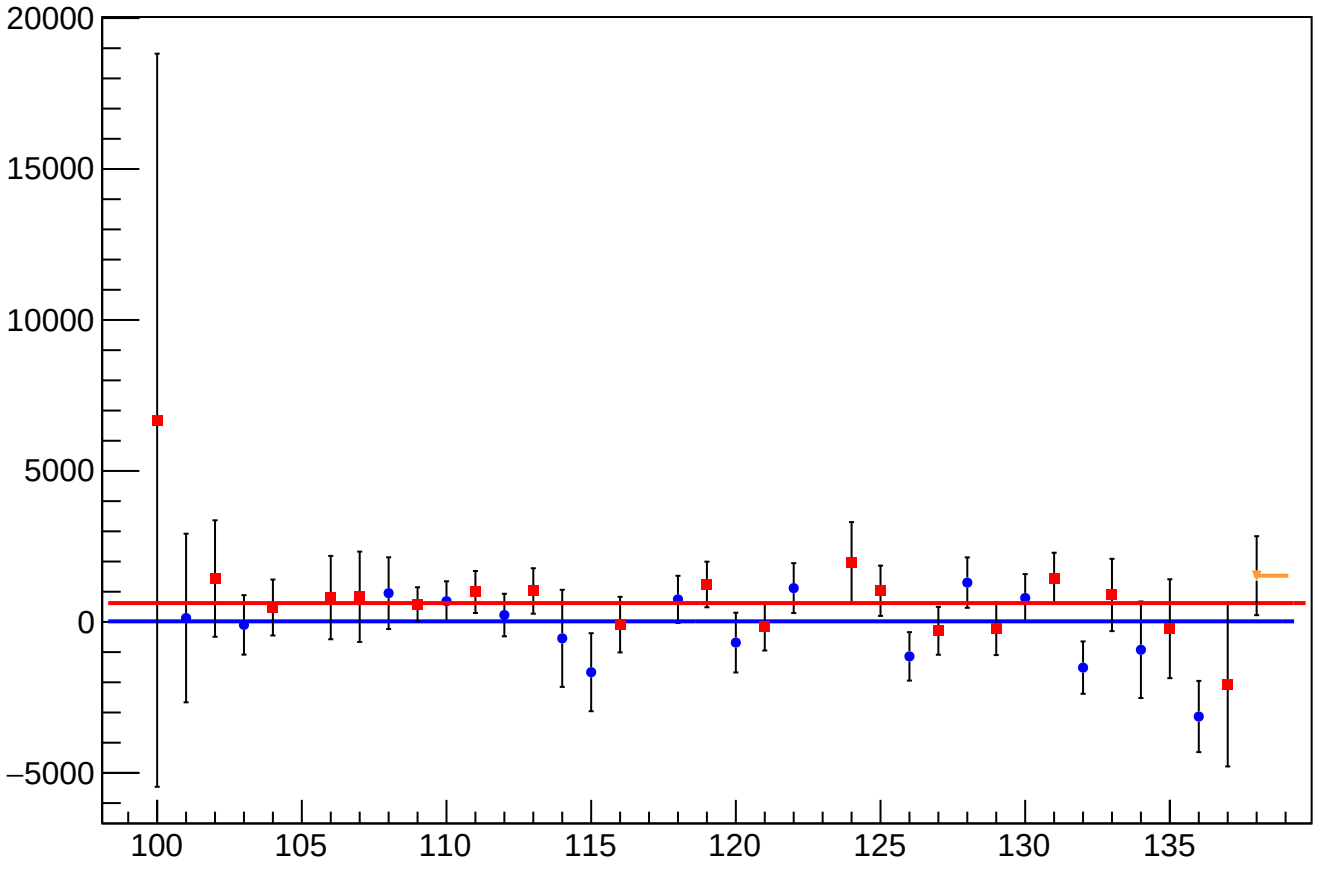
Left: 2714.429+/-2.173 χ^2/NDF: 0.0/0

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2805.446+/-0.757 χ^2/NDF:746239.8/15

Out: 2785.993+/-0.695 χ^2/NDF:147952.9/19

All: 2794.895+/-0.512 χ^2/NDF: 894550.9/35



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 1531.514+/-1307.883 χ^2/NDF:0.0/0

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

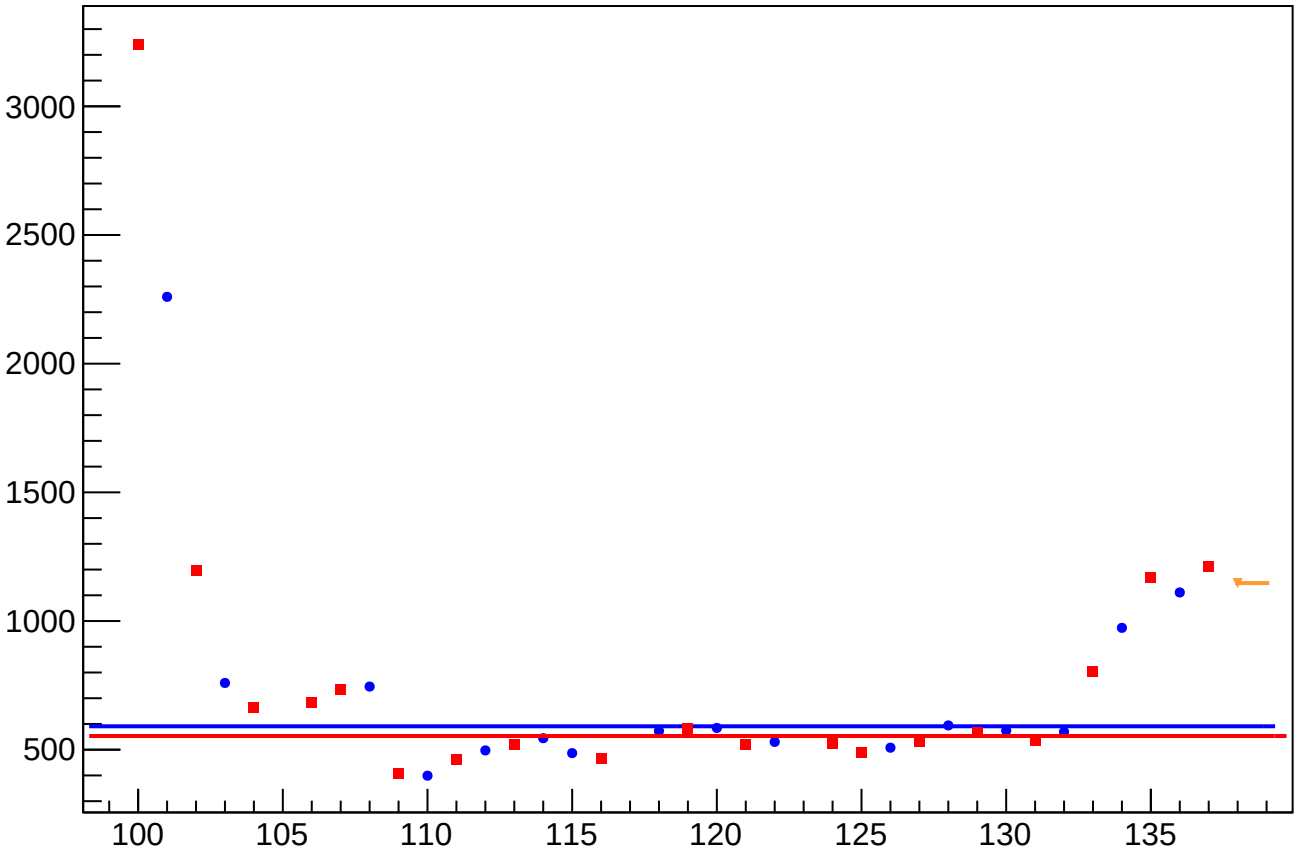
Left: 1531.514+/-1307.883 χ^2/NDF: 0.0/0

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 18.940+/-233.471 χ^2/NDF:22.8/15

Out: 648.285+/-213.019 χ^2/NDF:9.6/19

All: 362.381+/-157.362 χ^2/NDF: 36.3/35



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1147.472+/-0.925 χ^2/NDF:0.0/0

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

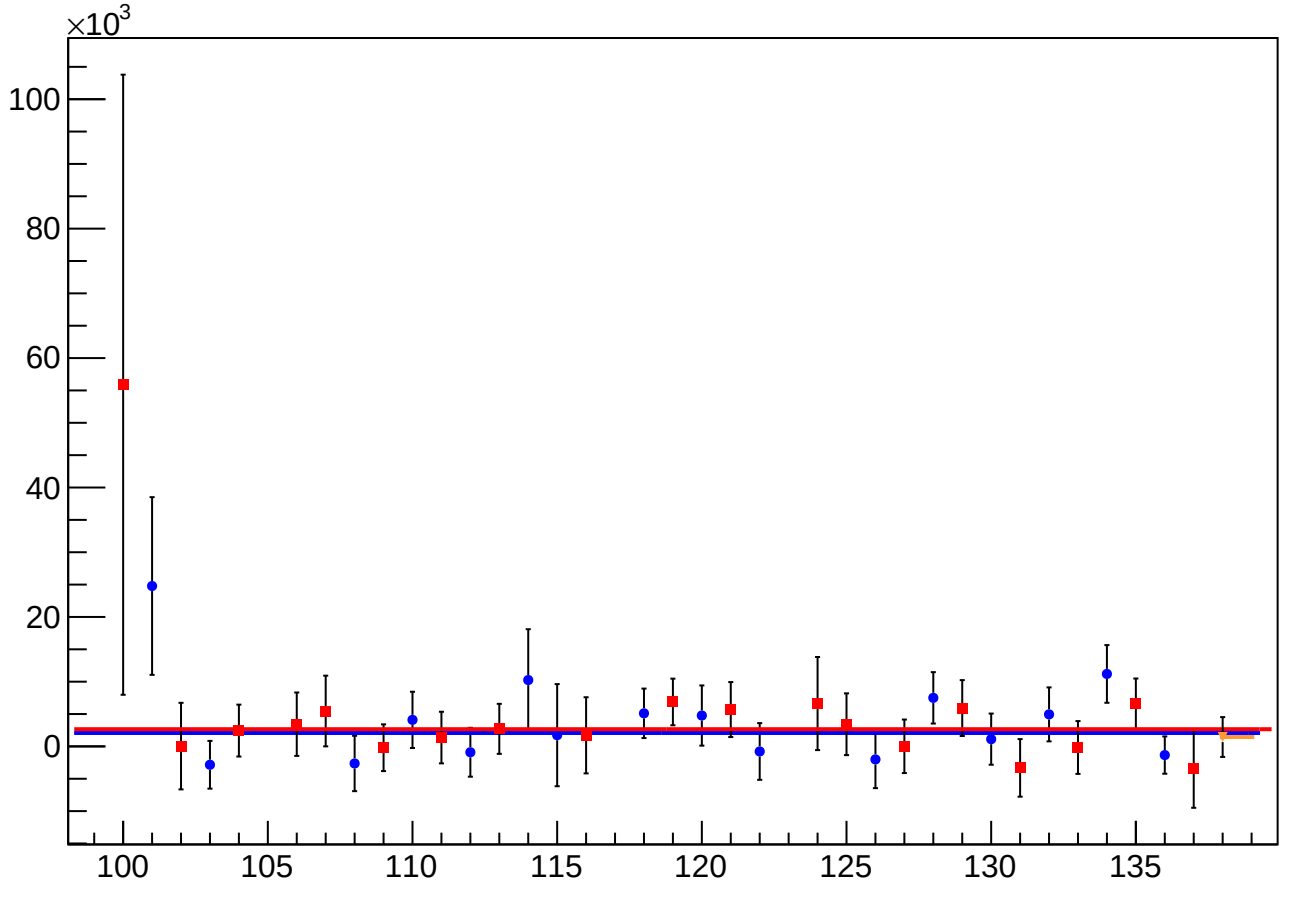
Left: 1147.472+/-0.925 χ^2/NDF: 0.0/0

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 591.039+/-0.165 χ^2/NDF:1566635.0/15

Out: 568.997+/-0.151 χ^2/NDF:1503569.8/19

All: 579.010+/-0.111 χ^2/NDF: 3079933.6/35



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1448.385+/-3075.831 χ^2/NDF:0.0/0

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1448.385+/-3075.831 χ^2/NDF: 0.0/0

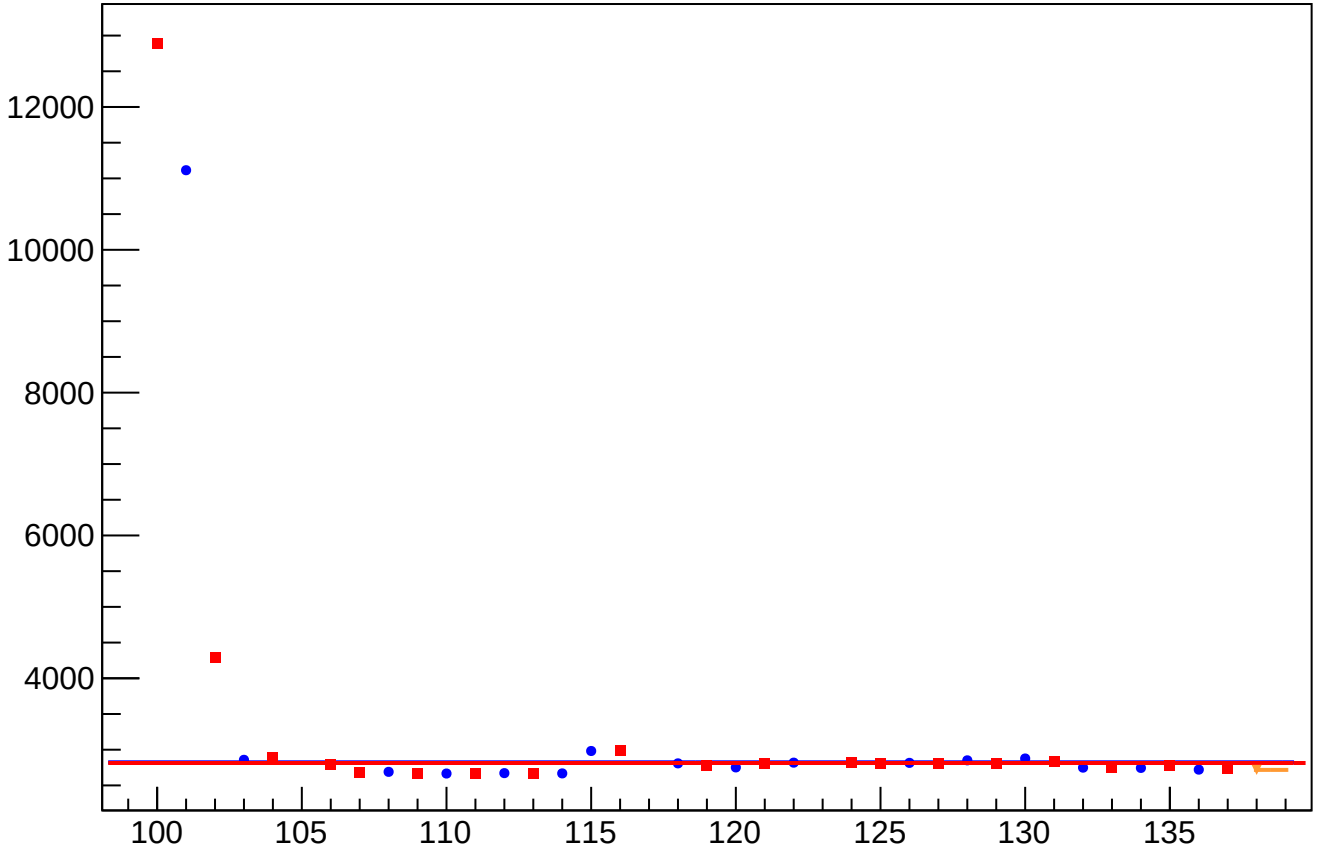
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2074.766+/-1077.182 χ^2/NDF:17.9/15

Out: 2531.154+/-993.584 χ^2/NDF:10.1/19

All: 2321.355+/-730.338 χ^2/NDF: 28.0/35

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2717.187+/-2.175 χ^2/NDF:0.0/0

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2717.187+/-2.175 χ^2/NDF: 0.0/0

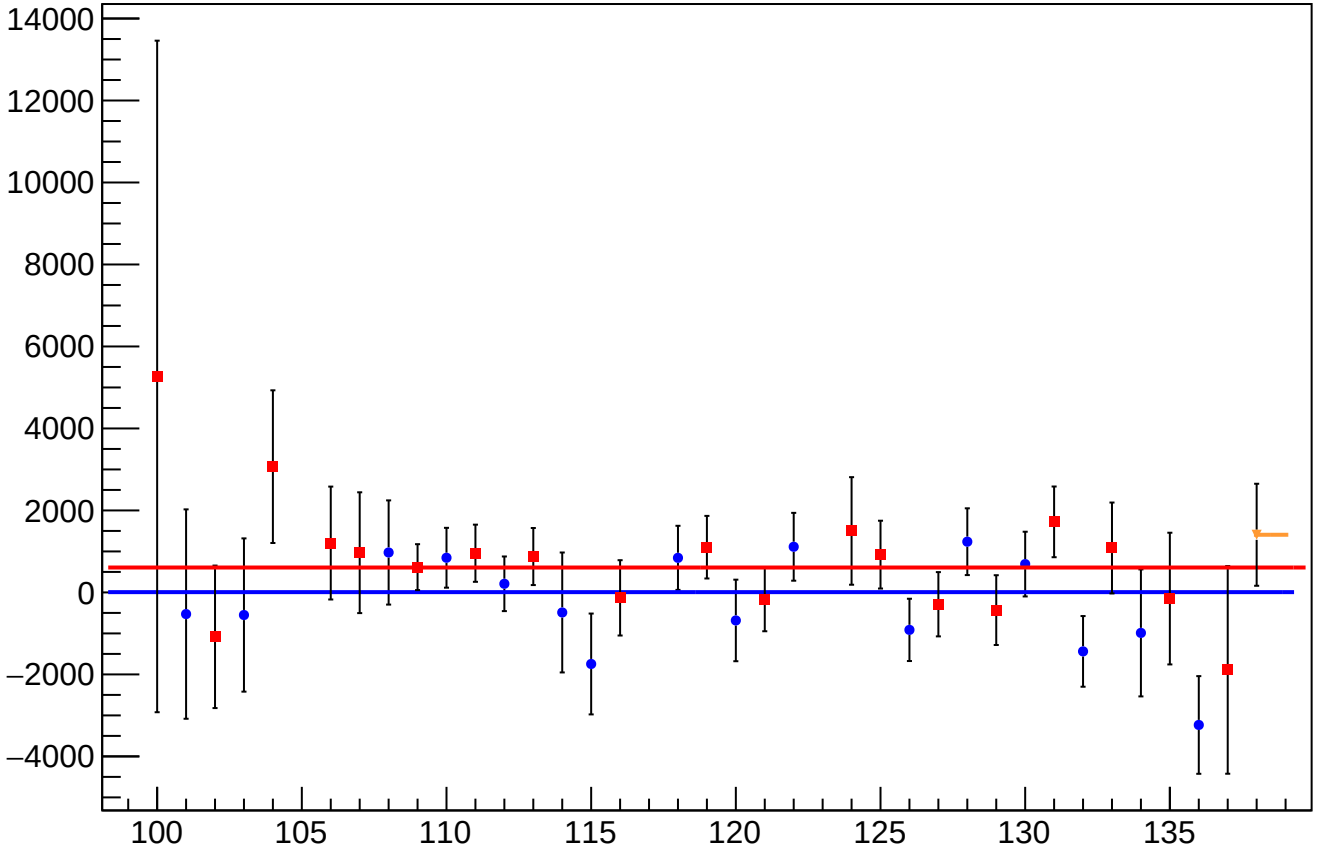
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2823.448+/-0.762 χ^2/NDF:743916.1/15

Out: 2803.738+/-0.703 χ^2/NDF:202280.0/19

All: 2812.798+/-0.516 χ^2/NDF: 946557.9/35

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: 1406.511+/-1244.326 χ^2/NDF:0.0/0

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1406.511+/-1244.326 χ^2/NDF: 0.0/0

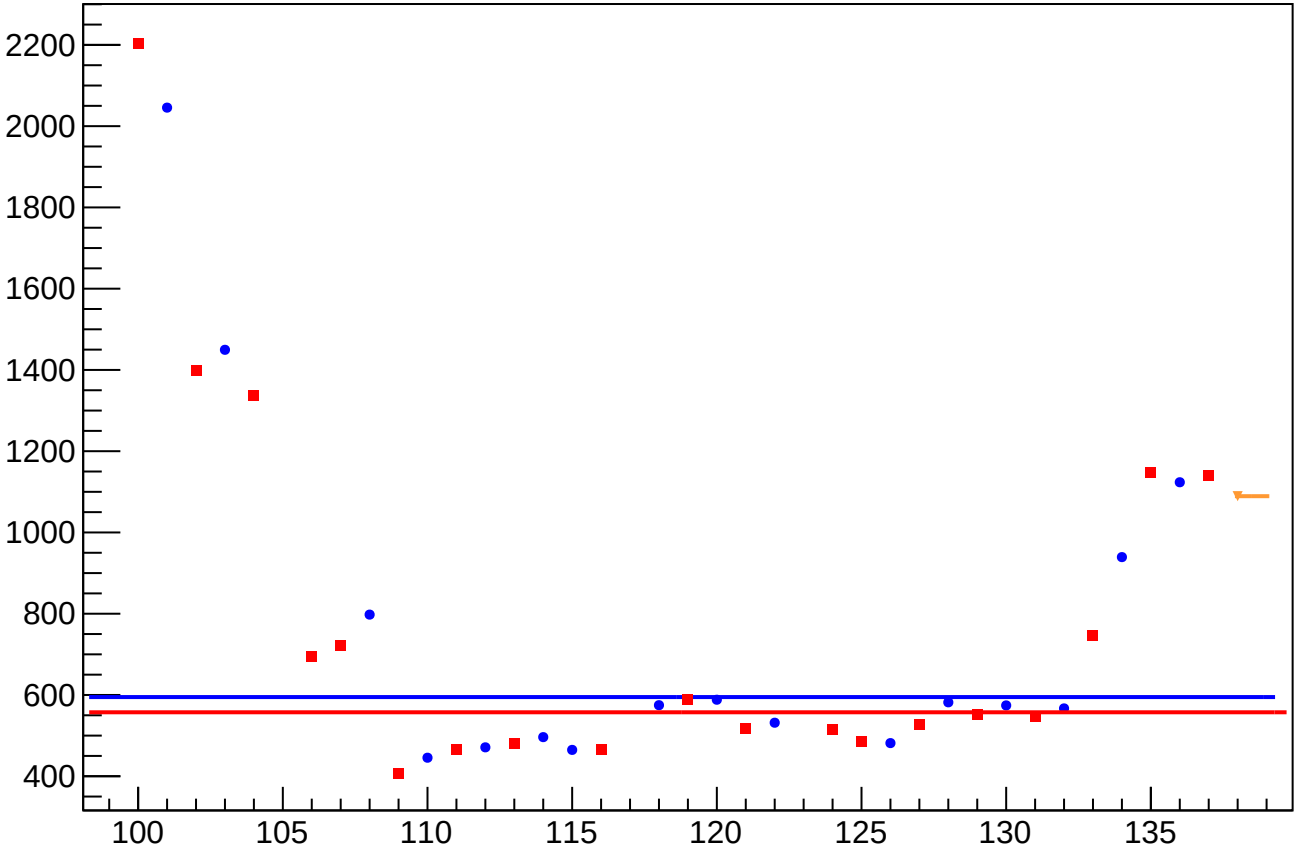
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 7.048+/-237.455 χ^2/NDF:22.8/15

Out: 631.245+/-213.863 χ^2/NDF:12.6/19

All: 351.687+/-158.912 χ^2/NDF: 39.2/35

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 1089.261+/-0.880 χ^2/NDF:0.0/0

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

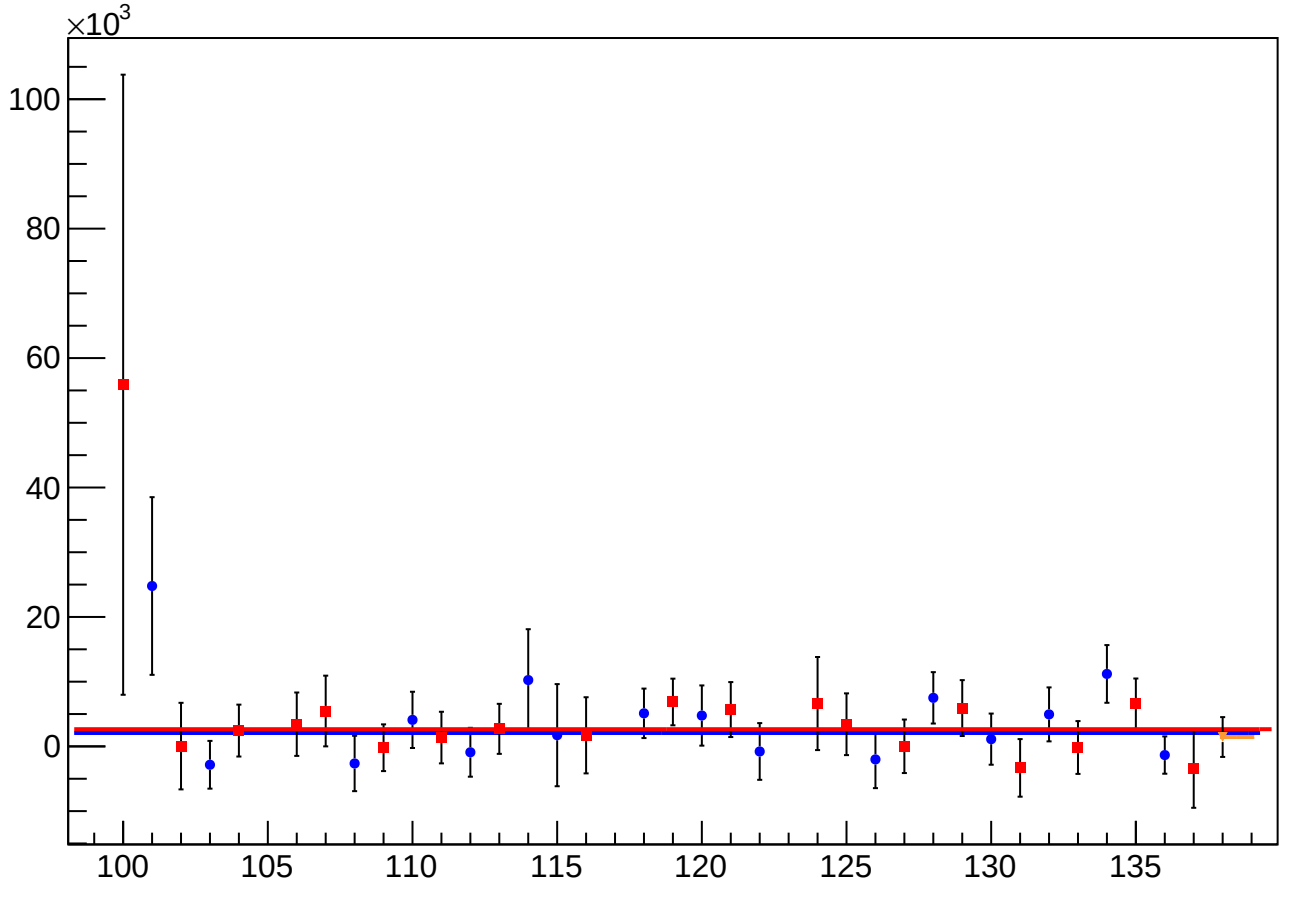
Left: 1089.261+/-0.880 χ^2/NDF: 0.0/0

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 594.858+/-0.168 χ^2/NDF:1852655.3/15

Out: 573.108+/-0.151 χ^2/NDF:1985911.3/19

All: 582.849+/-0.112 χ^2/NDF: 3847830.9/35



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1448.383+/-3075.831 χ^2/NDF:0.0/0

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

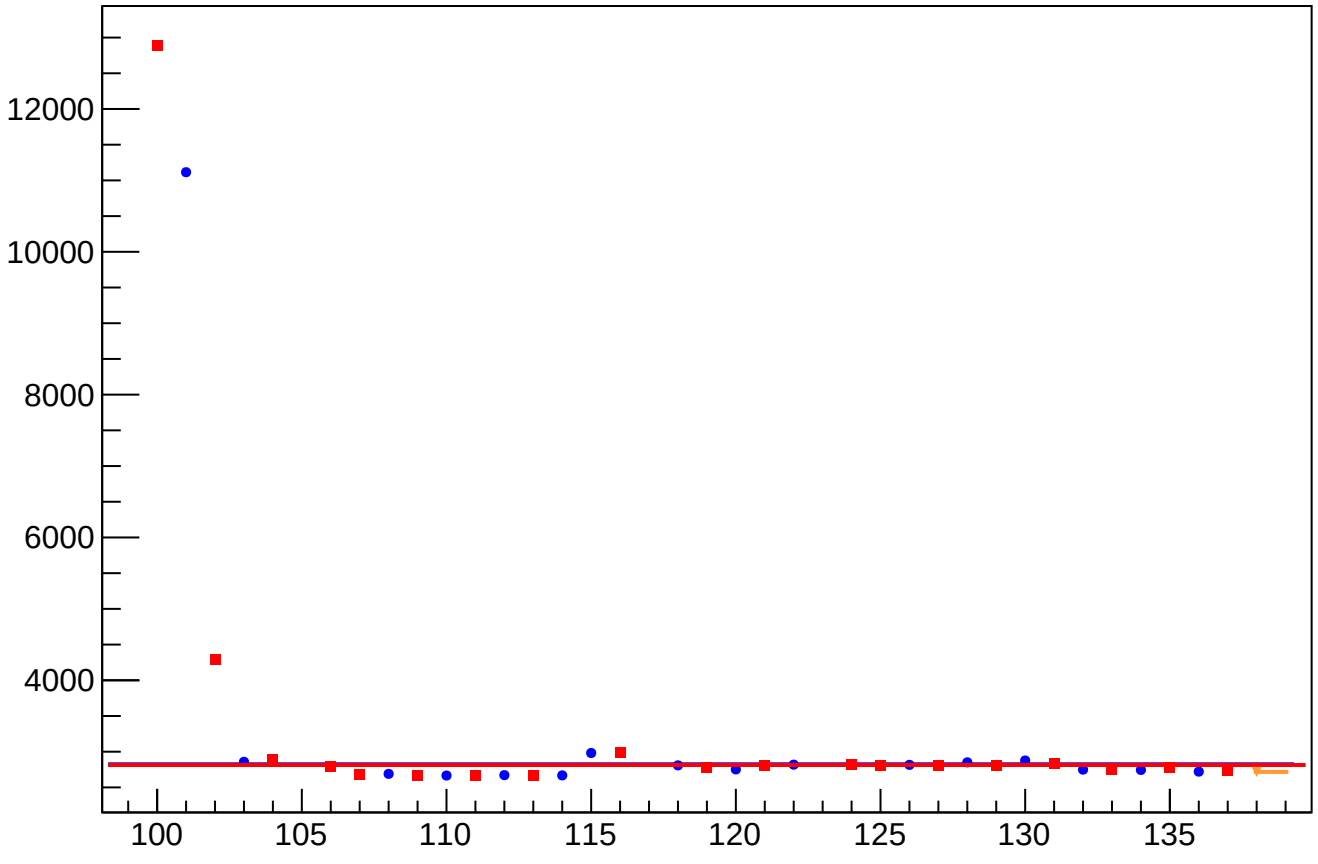
Left: 1448.383+/-3075.831 χ^2/NDF: 0.0/0

Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2074.766+/-1077.182 χ^2/NDF:17.9/15

Out: 2531.152+/-993.584 χ^2/NDF:10.1/19

All: 2321.354+/-730.338 χ^2/NDF: 28.0/35



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2717.187+/-2.175 χ^2/NDF:0.0/0

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2717.187+/-2.175 χ^2/NDF: 0.0/0

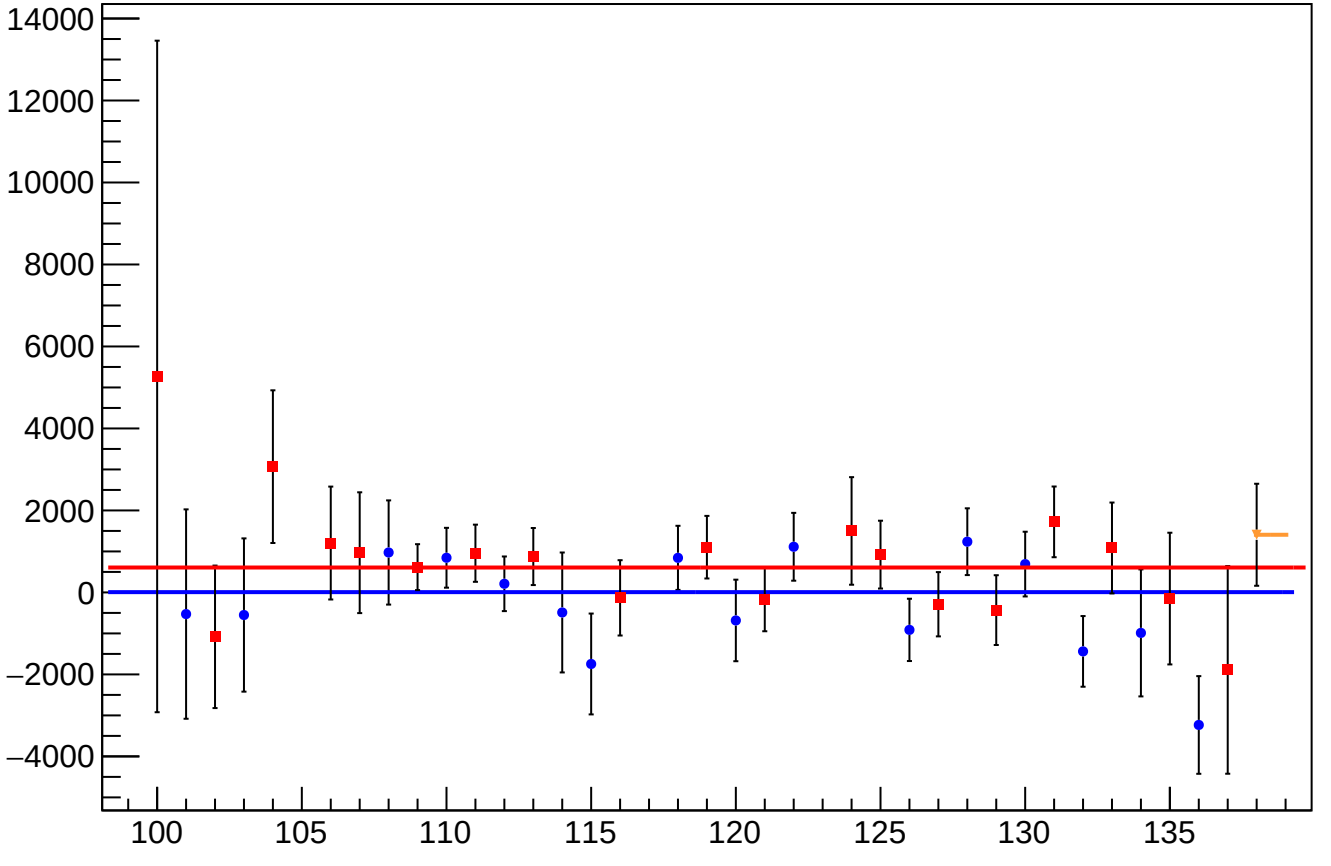
Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2823.448+/-0.762 χ^2/NDF:743916.1/15

Out: 2803.738+/-0.703 χ^2/NDF:202279.8/19

All: 2812.798+/-0.516 χ^2/NDF: 946557.7/35

asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: 1406.510+/-1244.325 χ^2/NDF:0.0/0

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

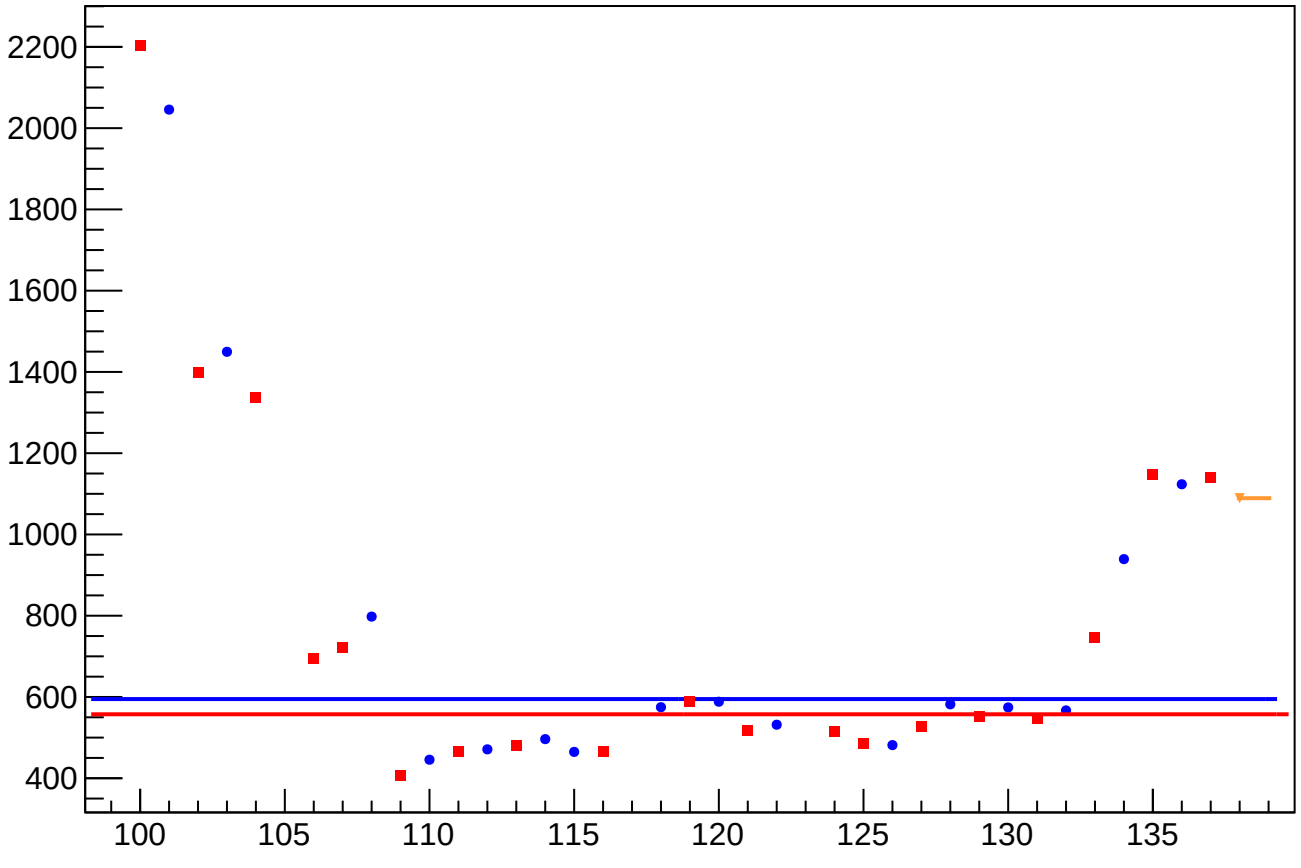
Left: 1406.510+/-1244.325 χ^2/NDF: 0.0/0

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 7.049+/-237.455 χ^2/NDF:22.8/15

Out: 631.245+/-213.863 χ^2/NDF:12.6/19

All: 351.687+/-158.912 χ^2/NDF: 39.2/35



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 1089.260+/-0.880 χ^2/NDF:0.0/0

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1089.260+/-0.880 χ^2/NDF: 0.0/0

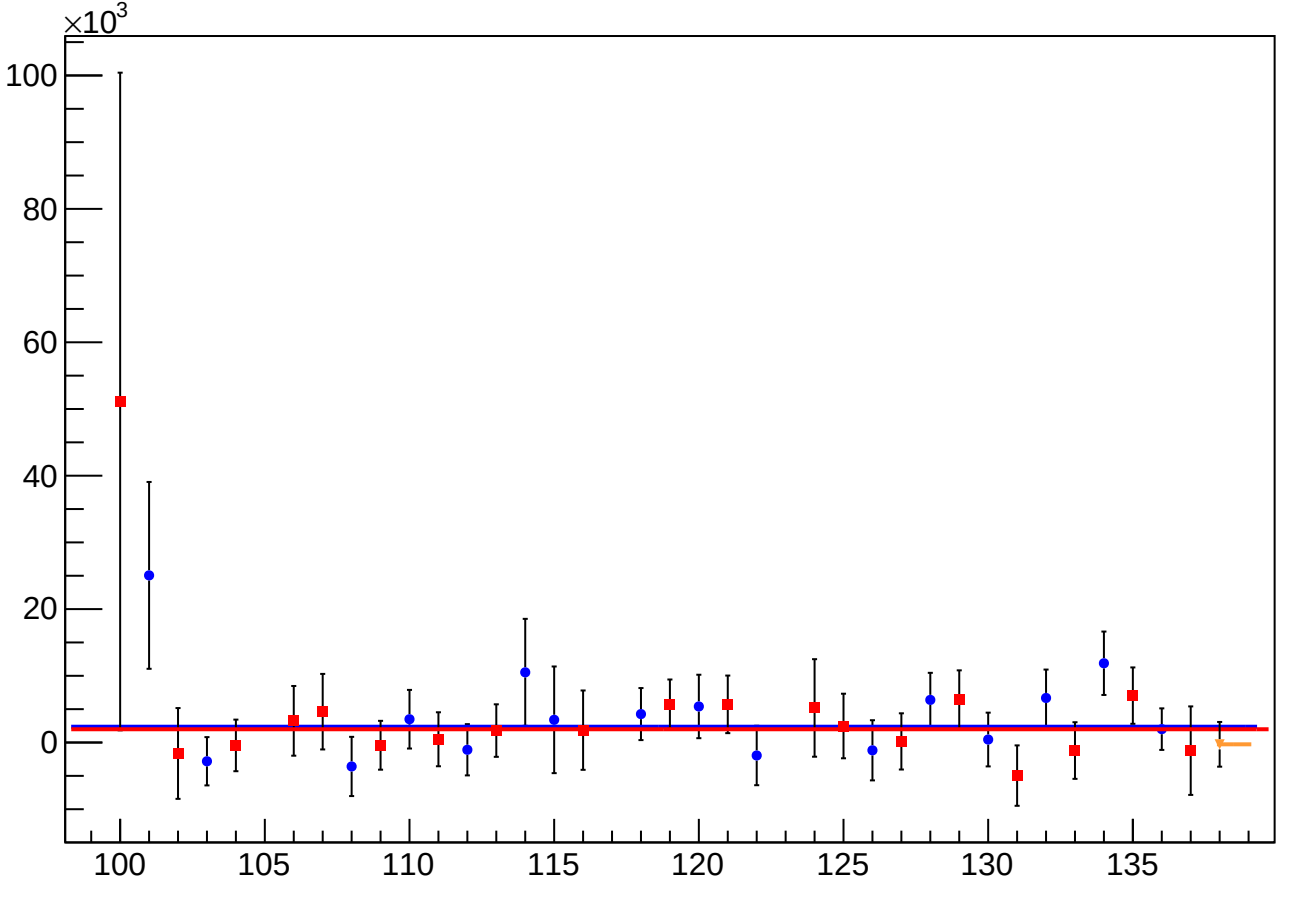
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 594.858+/-0.168 χ^2/NDF:1852649.9/15

Out: 573.108+/-0.151 χ^2/NDF:1985907.7/19

All: 582.849+/-0.112 χ^2/NDF: 3847822.1/35

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: -270.856+/-3351.763 χ^2/NDF:0.0/0

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -270.856+/-3351.763 χ^2/NDF: 0.0/0

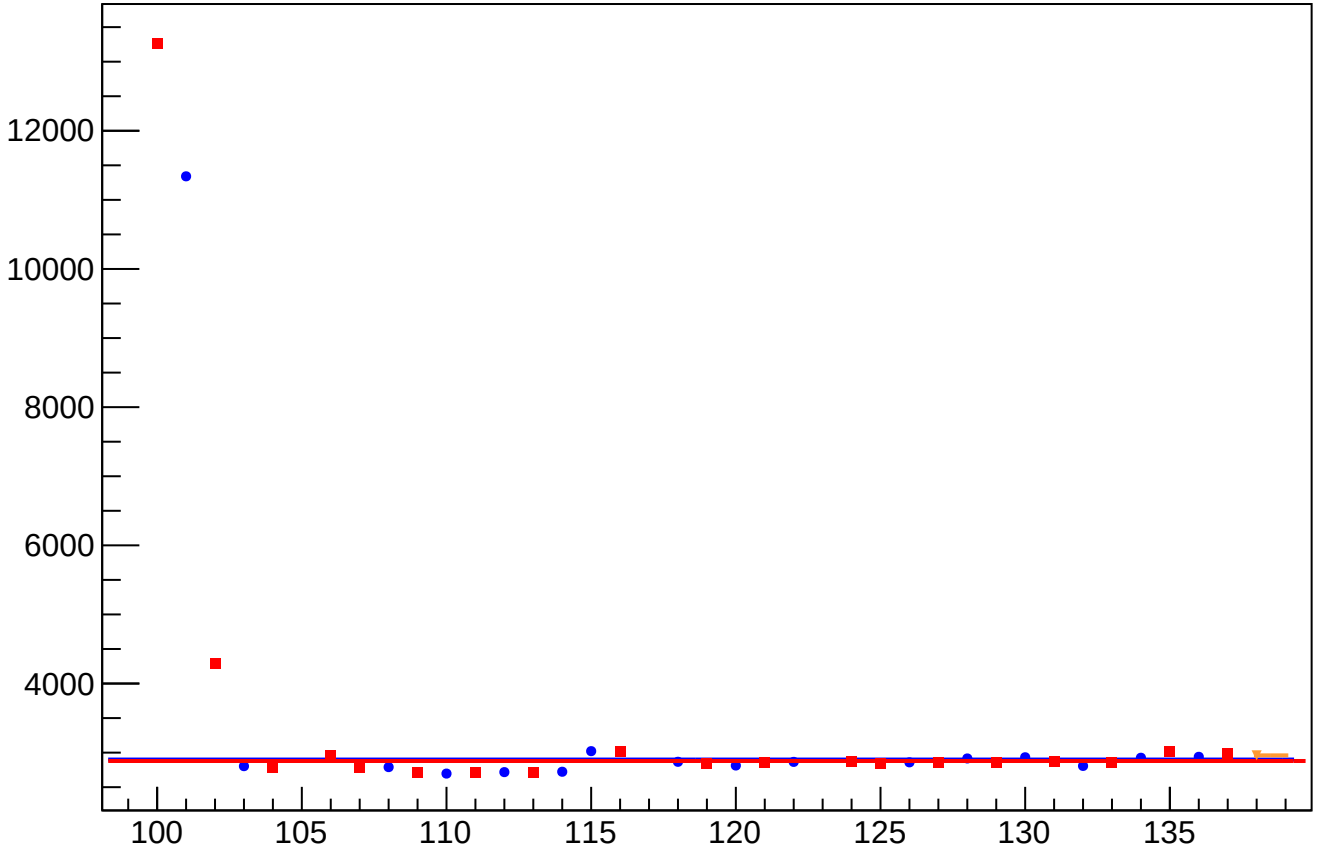
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2367.173+/-1106.203 χ^2/NDF:16.8/15

Out: 1776.332+/-1023.907 χ^2/NDF:10.7/19

All: 2048.960+/-751.423 χ^2/NDF: 27.7/35

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2960.490+/-2.370 χ^2/NDF:0.0/0

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

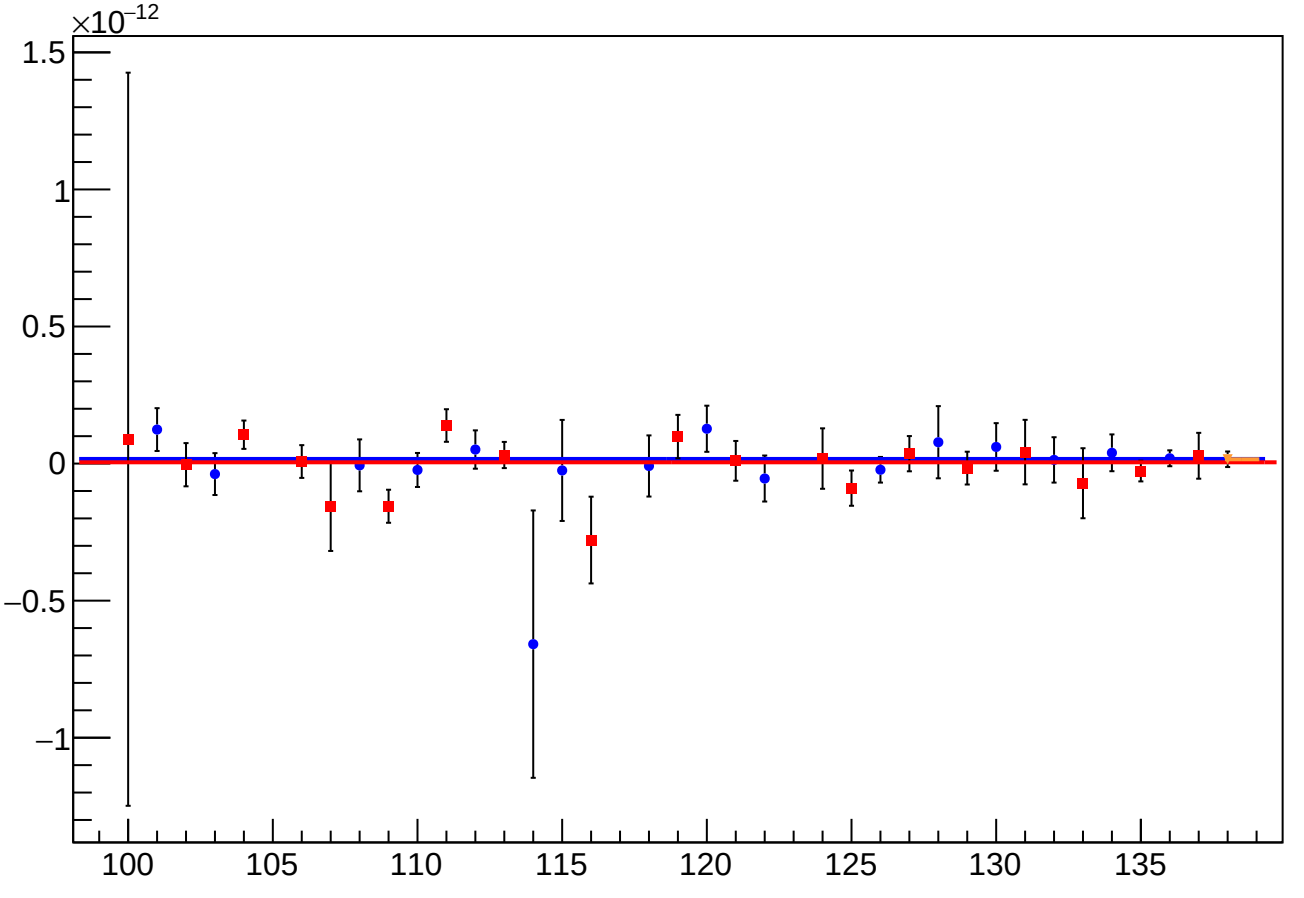
Left: 2960.490+/-2.370 χ^2/NDF: 0.0/0

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2899.827+/-0.782 χ^2/NDF:741818.2/15

Out: 2886.566+/-0.724 χ^2/NDF:194355.5/19

All: 2892.685+/-0.531 χ^2/NDF: 936328.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

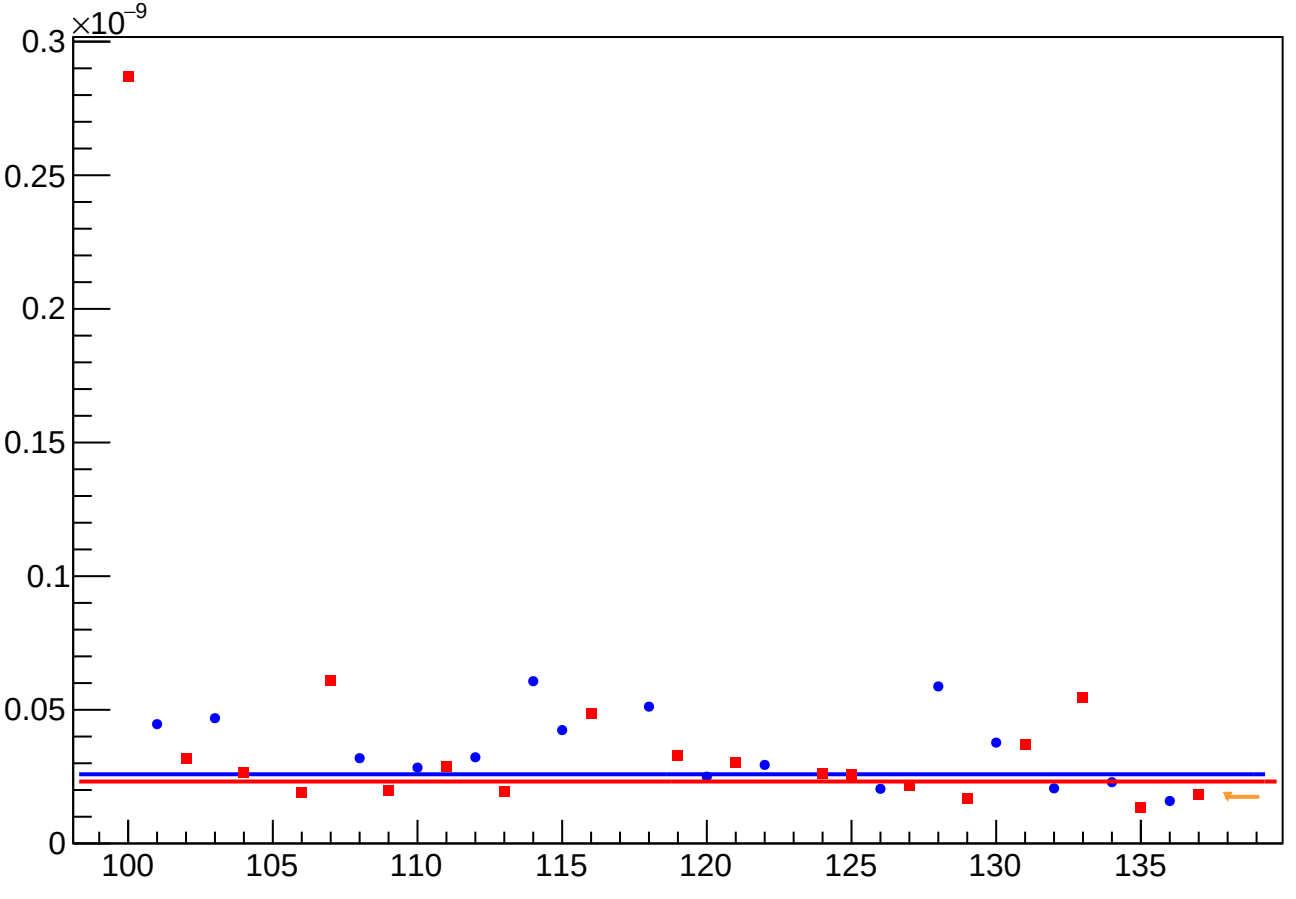
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:8.9/15

Out: 0.000+/-0.000 χ^2/NDF:25.8/19

All: 0.000+/-0.000 χ^2/NDF: 34.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

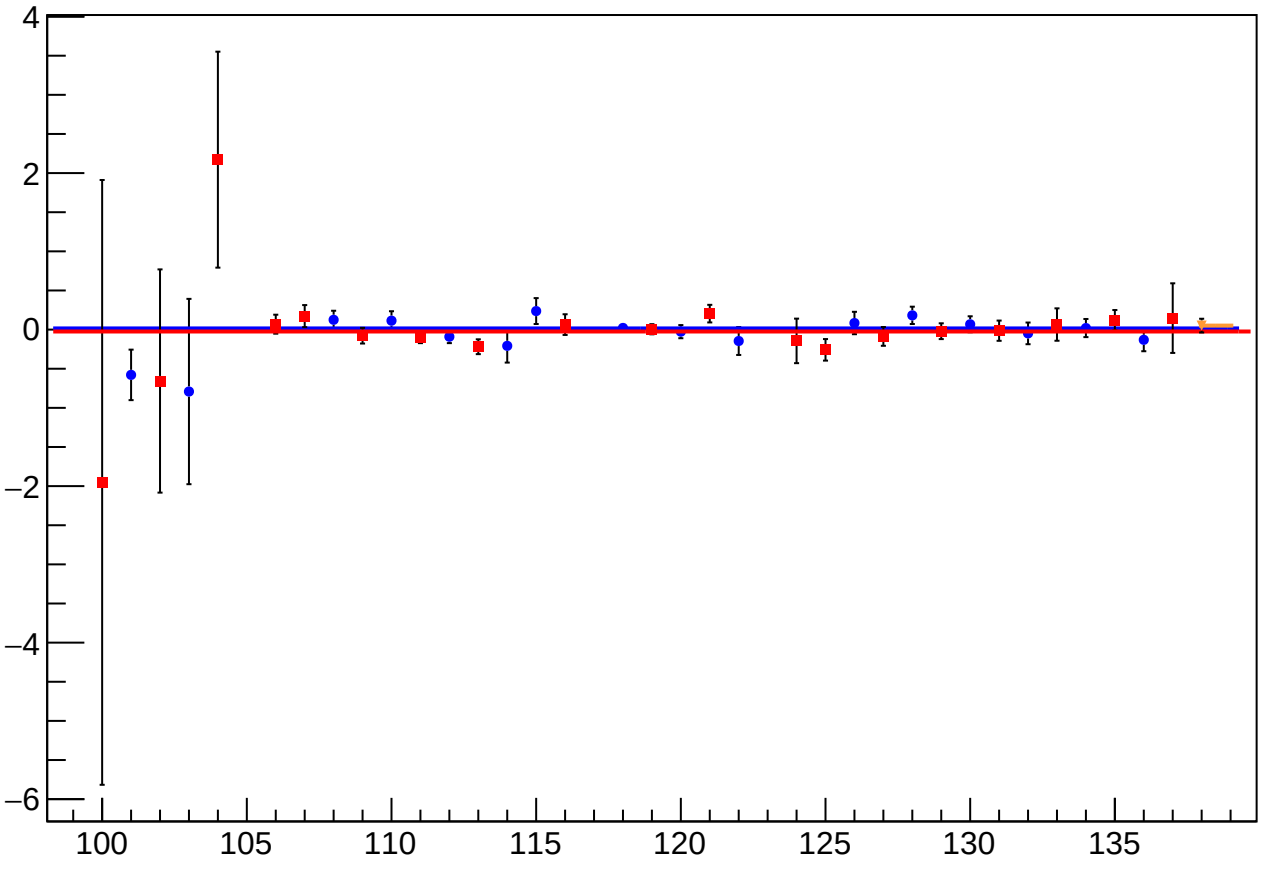
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:865479.7/15

Out: 0.000+/-0.000 χ^2/NDF:751384.5/19

All: 0.000+/-0.000 χ^2/NDF: 1686259.4/35



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.051+/-0.088 χ^2/NDF:0.0/0

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

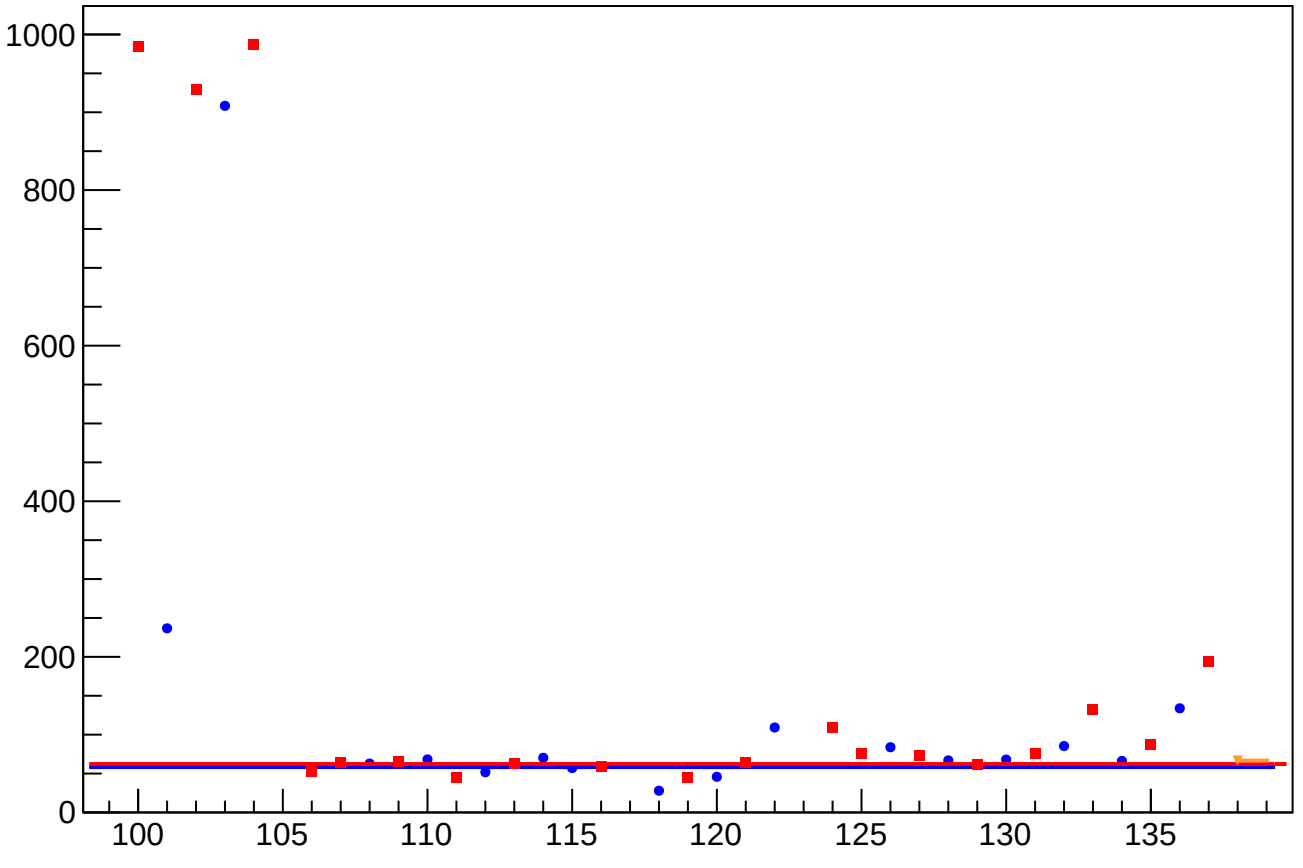
Left: 0.051+/-0.088 χ^2/NDF: 0.0/0

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.028 χ^2/NDF:15.0/15

Out: -0.017+/-0.027 χ^2/NDF:21.5/19

All: -0.002+/-0.019 χ^2/NDF: 37.2/35



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 66.659+/-0.062 χ^2/NDF:0.0/0

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

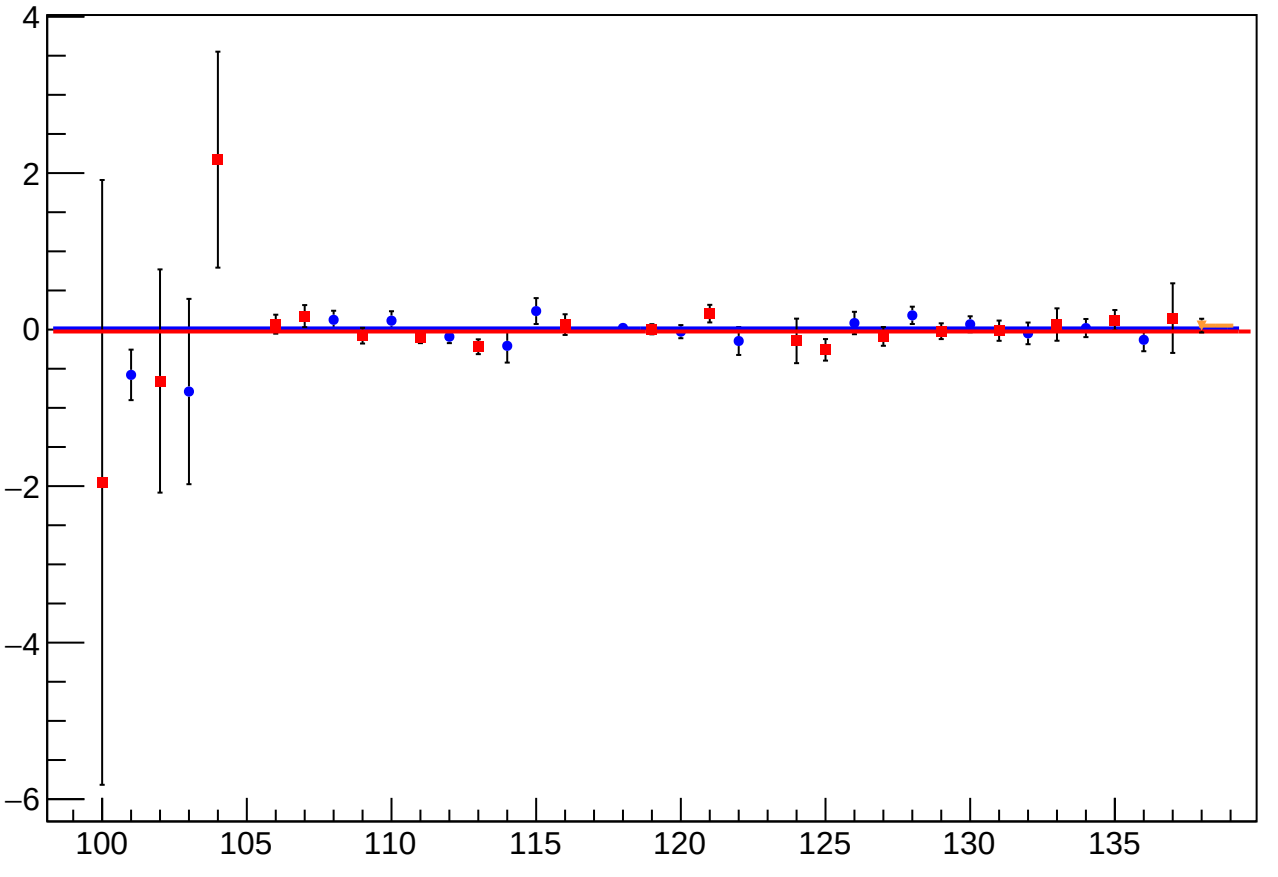
Left: 66.659+/-0.062 χ^2/NDF: 0.0/0

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.313+/-0.020 χ^2/NDF:3260404.3/15

Out: 62.645+/-0.019 χ^2/NDF:2631647.6/19

All: 60.569+/-0.014 χ^2/NDF: 5917293.3/35



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.051+/-0.088 χ^2/NDF:0.0/0

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

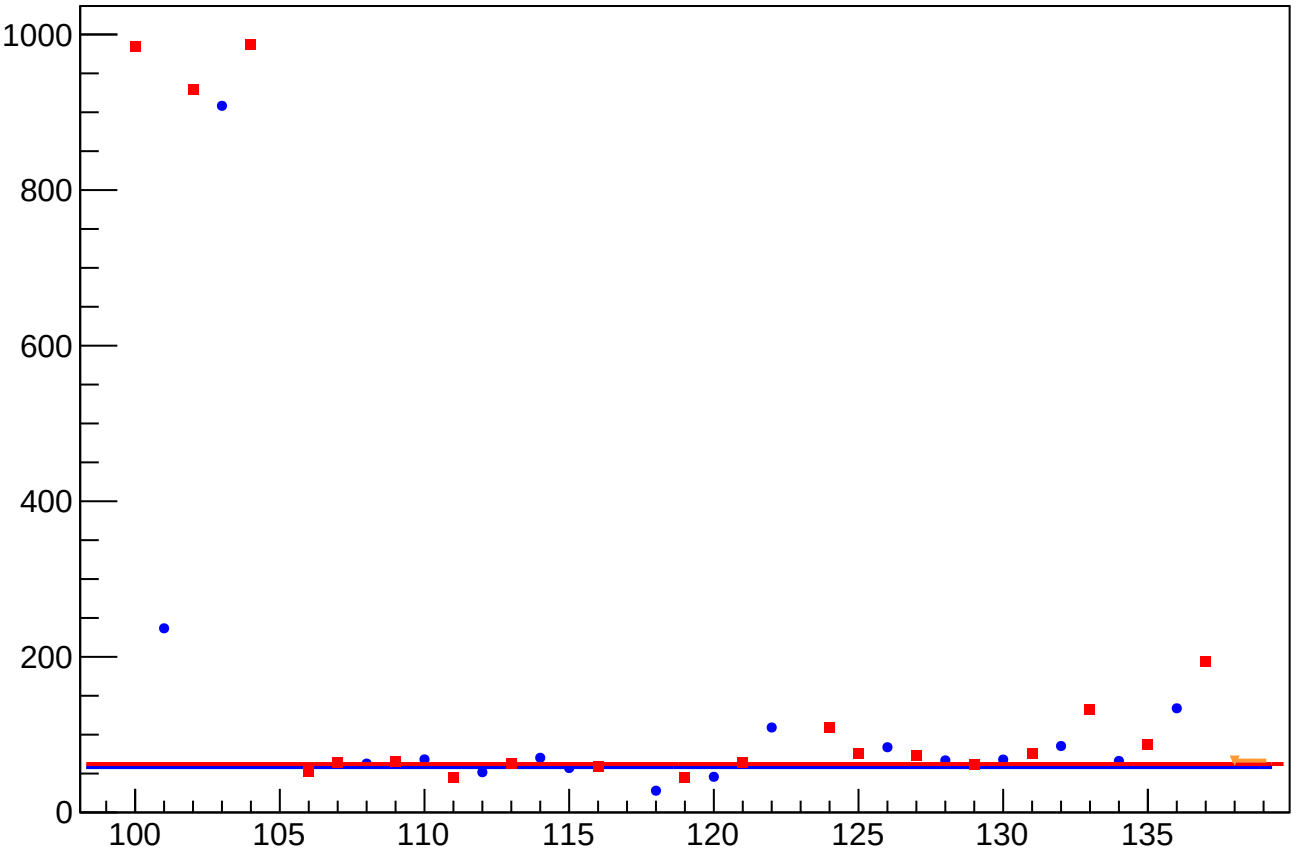
Left: 0.051+/-0.088 χ^2/NDF: 0.0/0

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.028 χ^2/NDF:15.0/15

Out: -0.017+/-0.027 χ^2/NDF:21.5/19

All: -0.002+/-0.019 χ^2/NDF: 37.2/35



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 66.659+/-0.062 χ^2/NDF:0.0/0

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

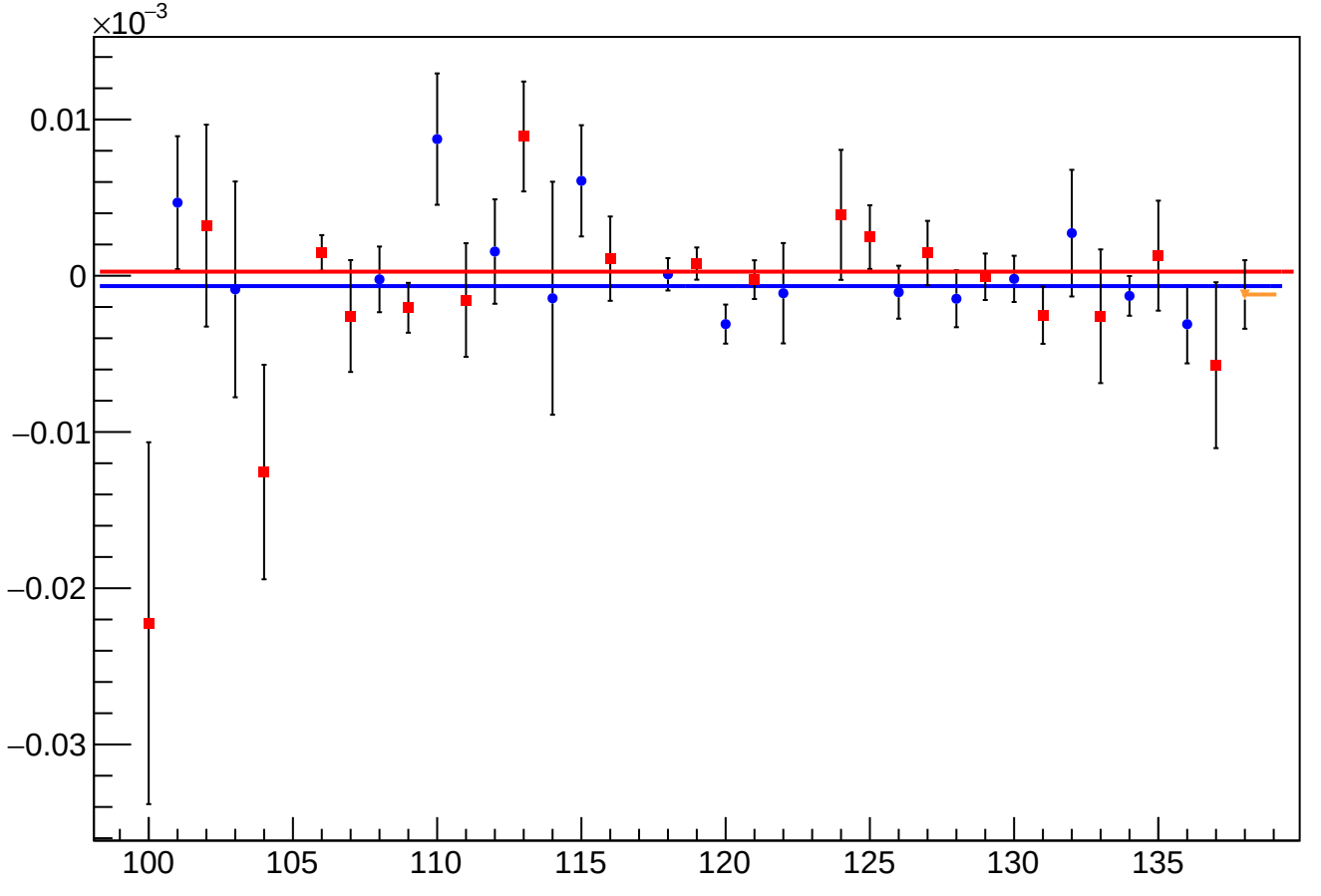
Left: 66.659+/-0.062 χ^2/NDF: 0.0/0

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.313+/-0.020 χ^2/NDF:3260404.3/15

Out: 62.645+/-0.019 χ^2/NDF:2631647.6/19

All: 60.569+/-0.014 χ^2/NDF: 5917293.3/35



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

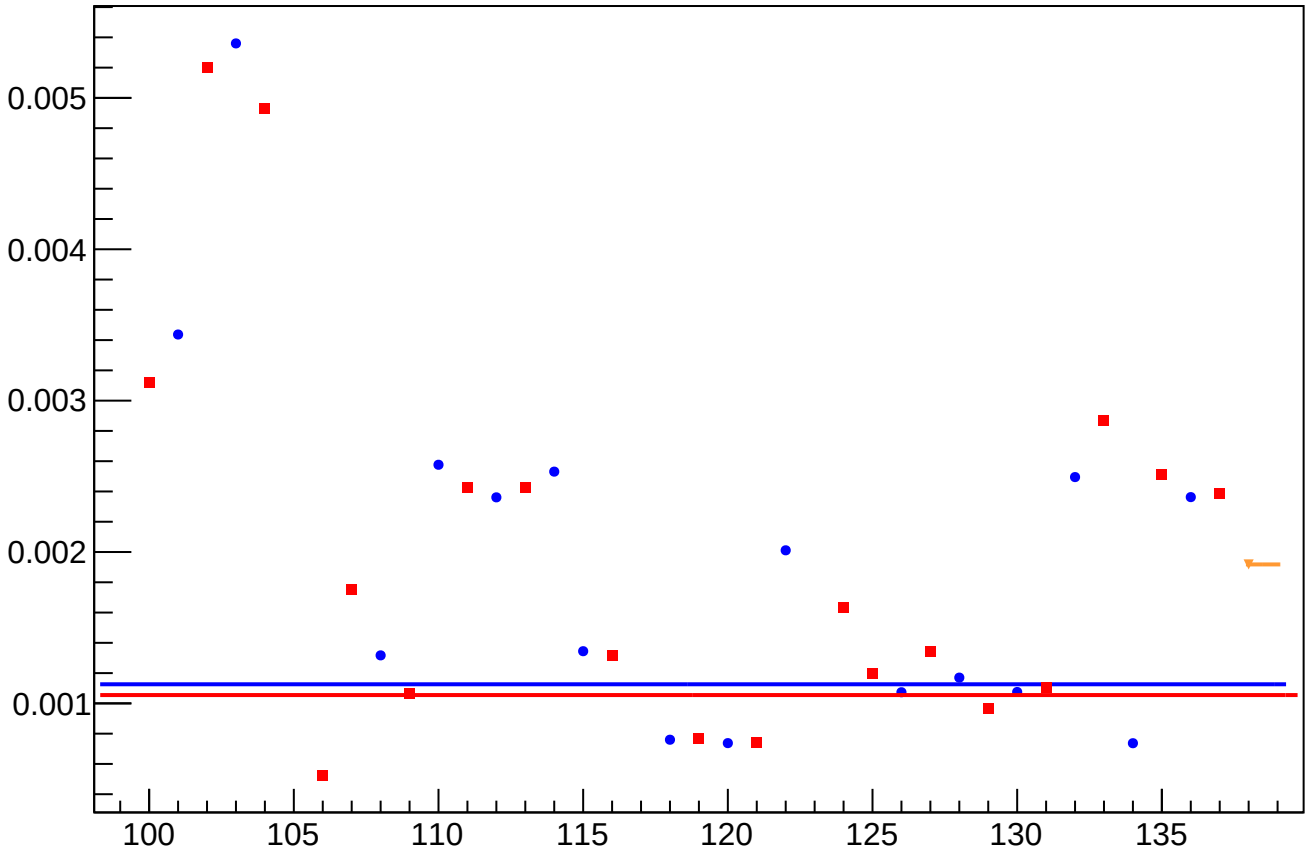
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:17.2/15

Out: 0.000+/-0.000 χ^2/NDF:25.0/19

All: -0.000+/-0.000 χ^2/NDF: 43.9/35



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

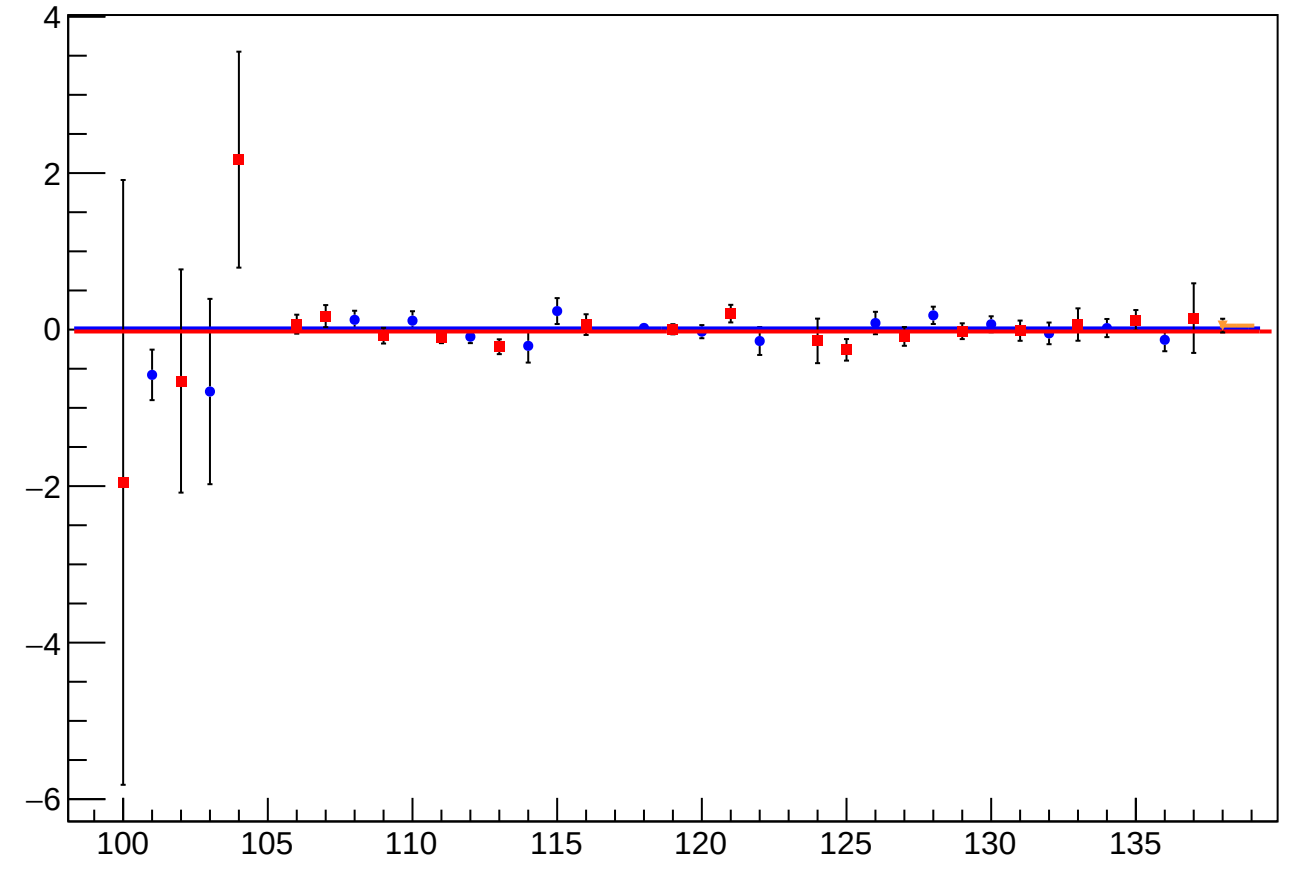
Left: 0.002+/-0.000 χ^2/NDF: 0.0/0

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:3453081.7/15

Out: 0.001+/-0.000 χ^2/NDF:4144564.4/19

All: 0.001+/-0.000 χ^2/NDF: 7602869.9/35



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.051+/-0.088 χ^2/NDF:0.0/0

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

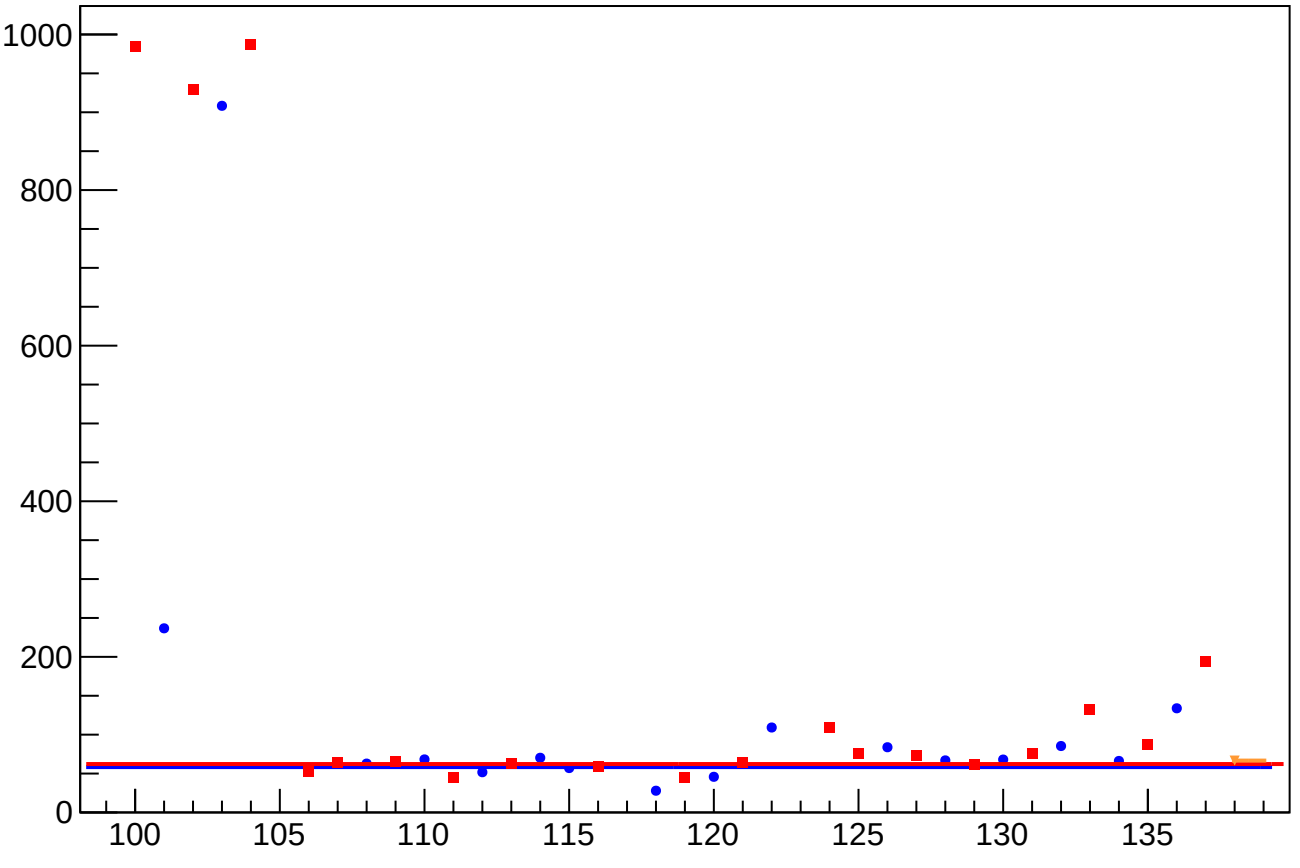
Left: 0.051+/-0.088 χ^2/NDF: 0.0/0

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.028 χ^2/NDF:15.0/15

Out: -0.017+/-0.027 χ^2/NDF:21.5/19

All: -0.002+/-0.019 χ^2/NDF: 37.2/35



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 66.659+/-0.062 χ^2/NDF:0.0/0

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 66.659+/-0.062 χ^2/NDF: 0.0/0

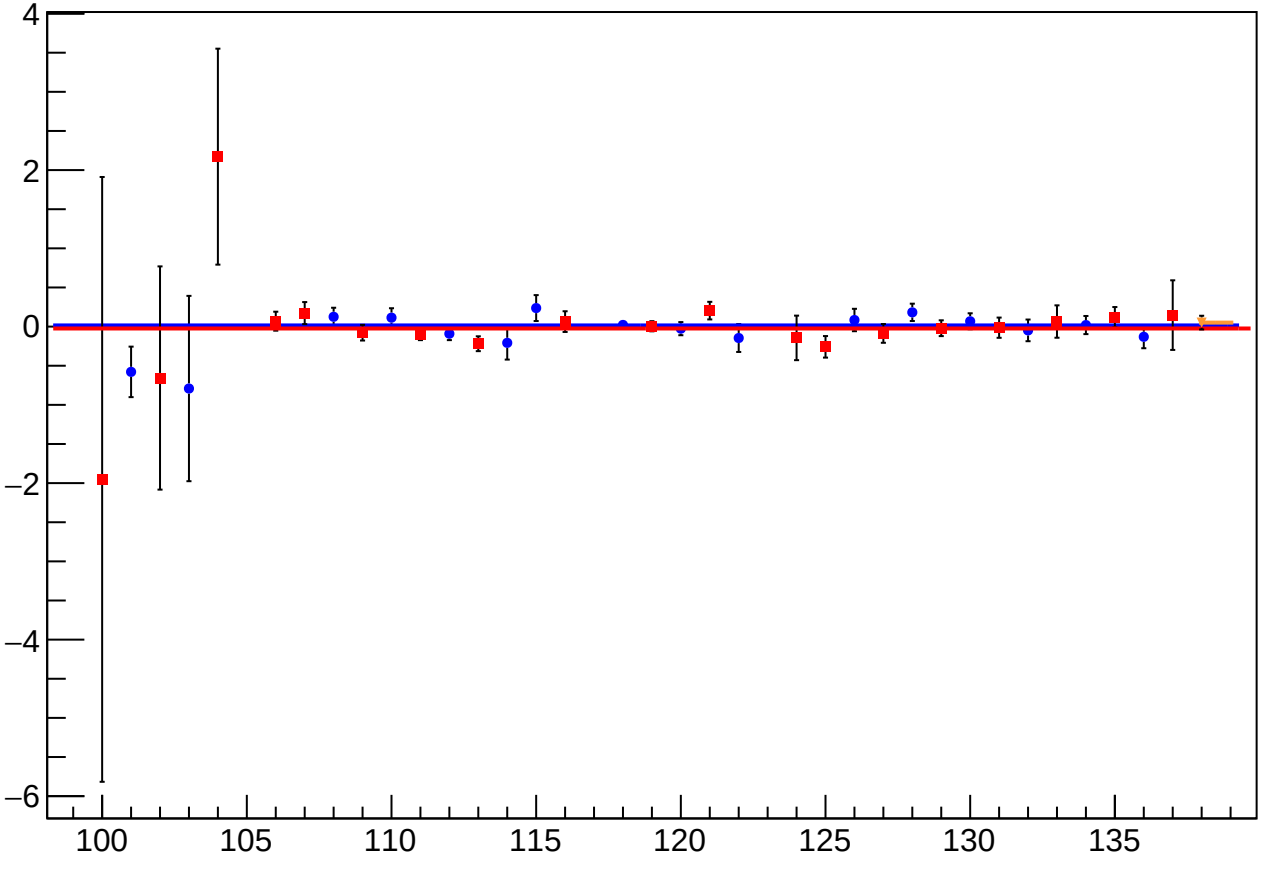
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.312+/-0.020 χ^2/NDF:3260484.2/15

Out: 62.645+/-0.019 χ^2/NDF:2631638.5/19

All: 60.569+/-0.014 χ^2/NDF: 5917371.5/35

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.051+/-0.088 χ^2/NDF:0.0/0

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

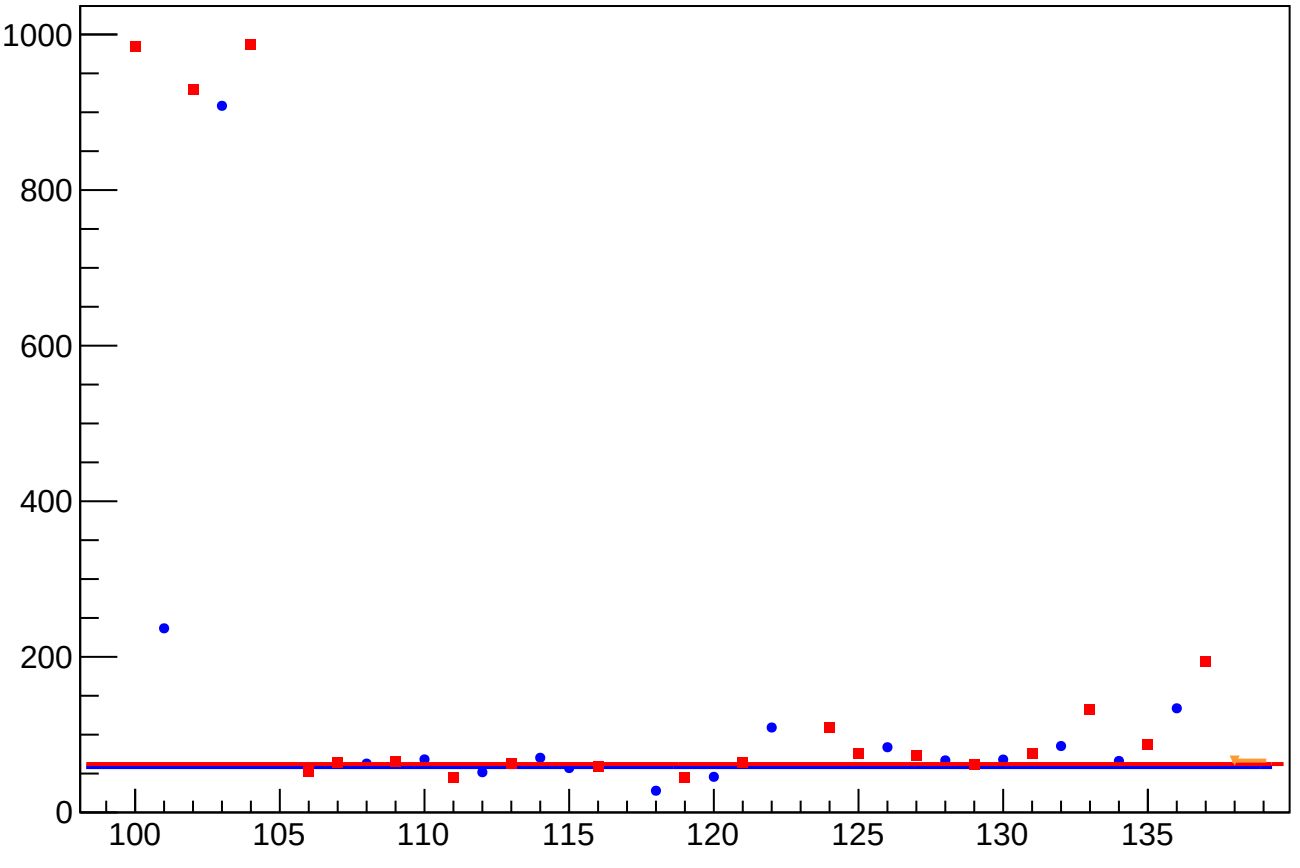
Left: 0.051+/-0.088 χ^2/NDF: 0.0/0

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.028 χ^2/NDF:15.0/15

Out: -0.017+/-0.027 χ^2/NDF:21.5/19

All: -0.002+/-0.019 χ^2/NDF: 37.2/35



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 66.659+/-0.062 χ^2/NDF:0.0/0

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

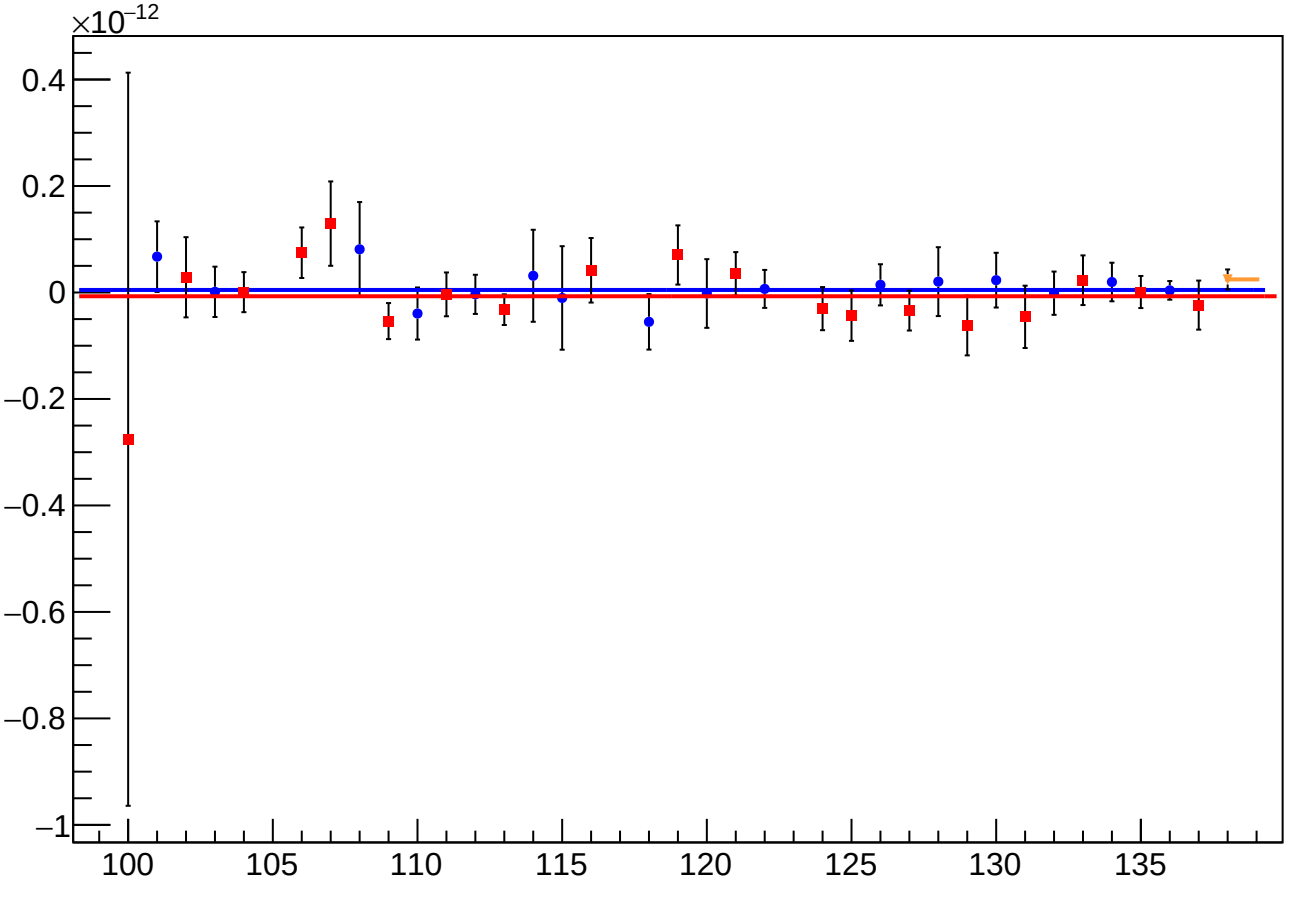
Left: 66.659+/-0.062 χ^2/NDF: 0.0/0

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.312+/-0.020 χ^2/NDF:3260484.2/15

Out: 62.645+/-0.019 χ^2/NDF:2631638.5/19

All: 60.569+/-0.014 χ^2/NDF: 5917371.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

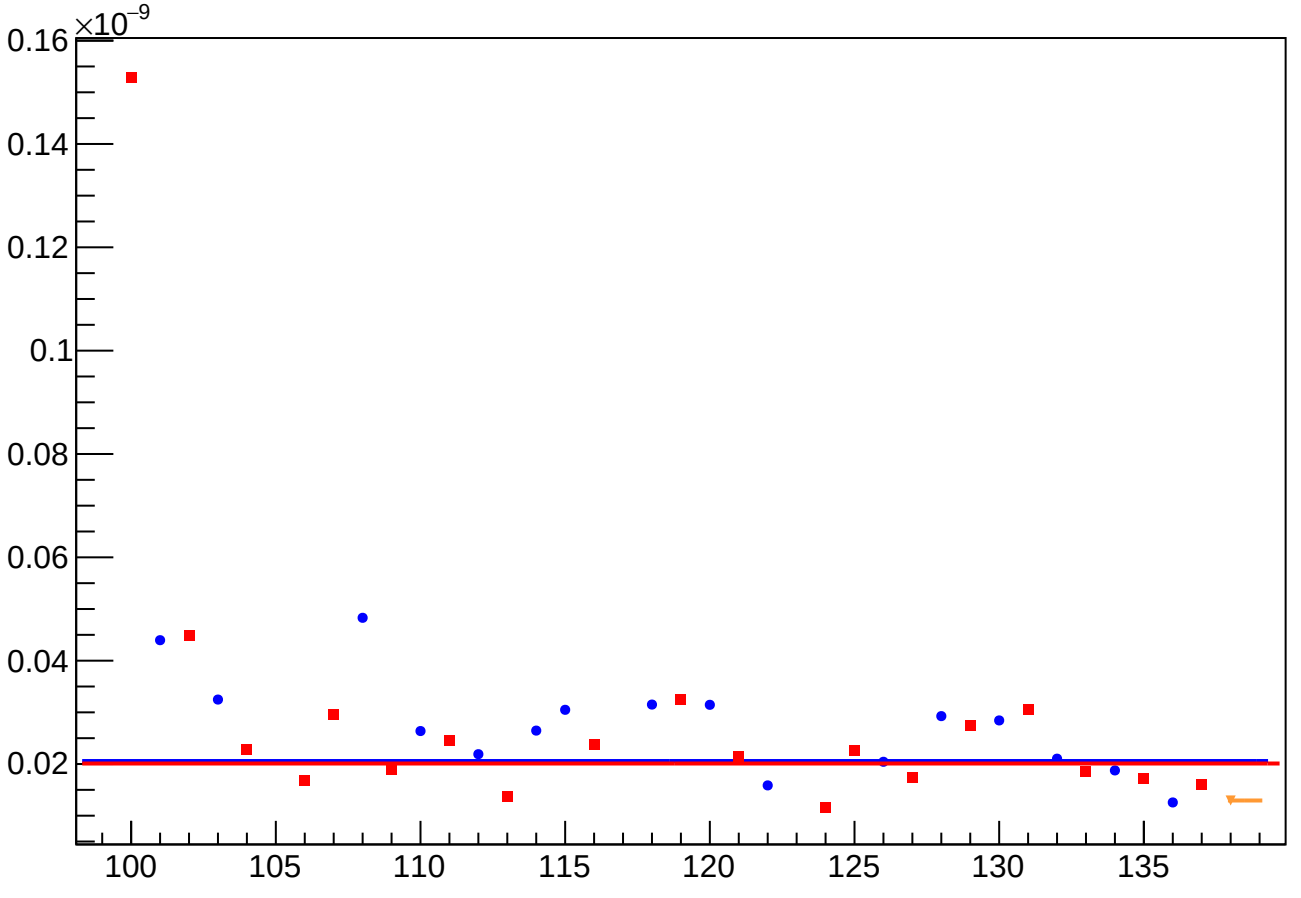
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:4.4/15

Out: 0.000+/-0.000 χ^2/NDF:18.3/19

All: 0.000+/-0.000 χ^2/NDF: 22.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

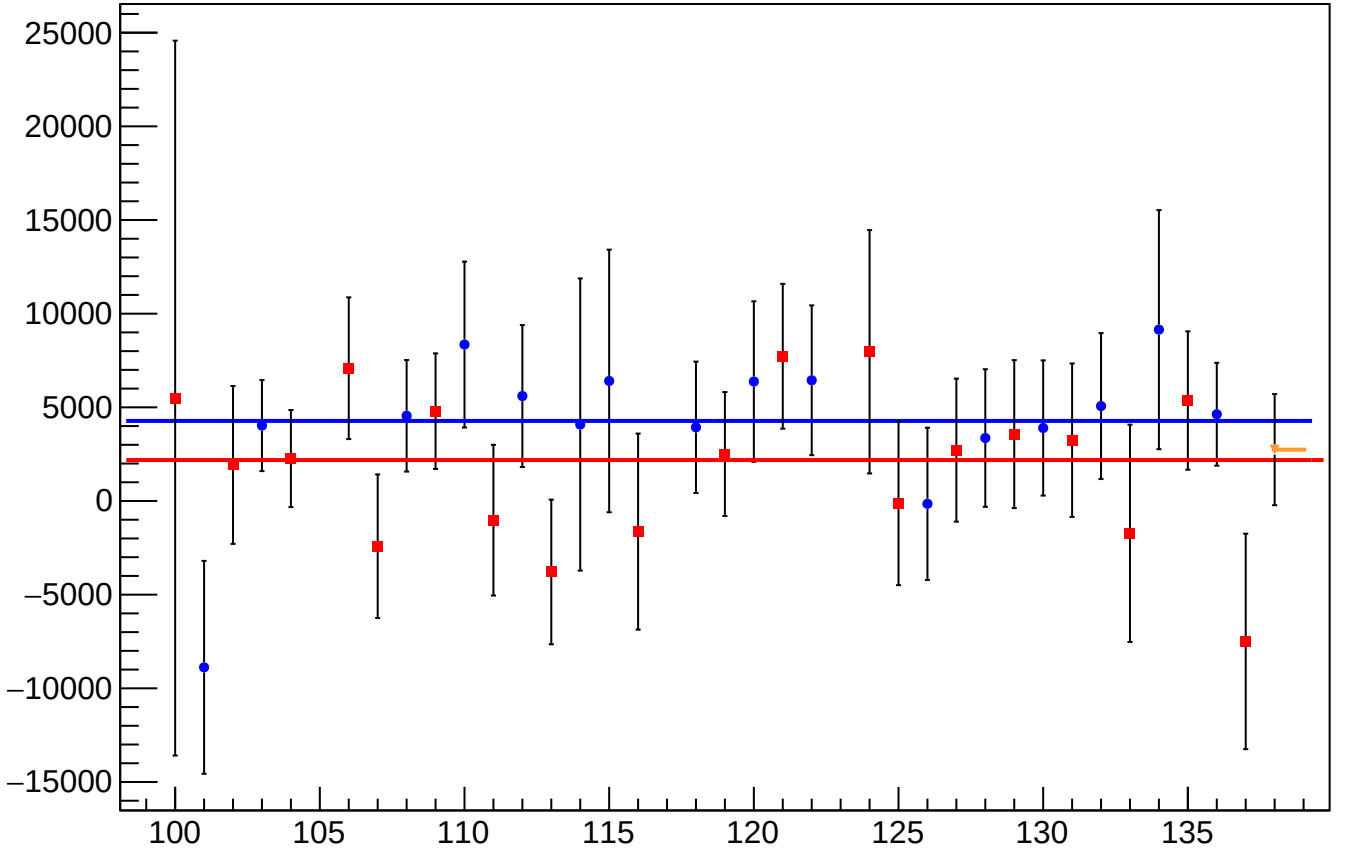
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:1319631.2/15

Out: 0.000+/-0.000 χ^2/NDF:1038892.6/19

All: 0.000+/-0.000 χ^2/NDF: 2406473.9/35

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 2741.049+/-2967.929 χ^2/NDF:0.0/0

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2741.049+/-2967.929 χ^2/NDF: 0.0/0

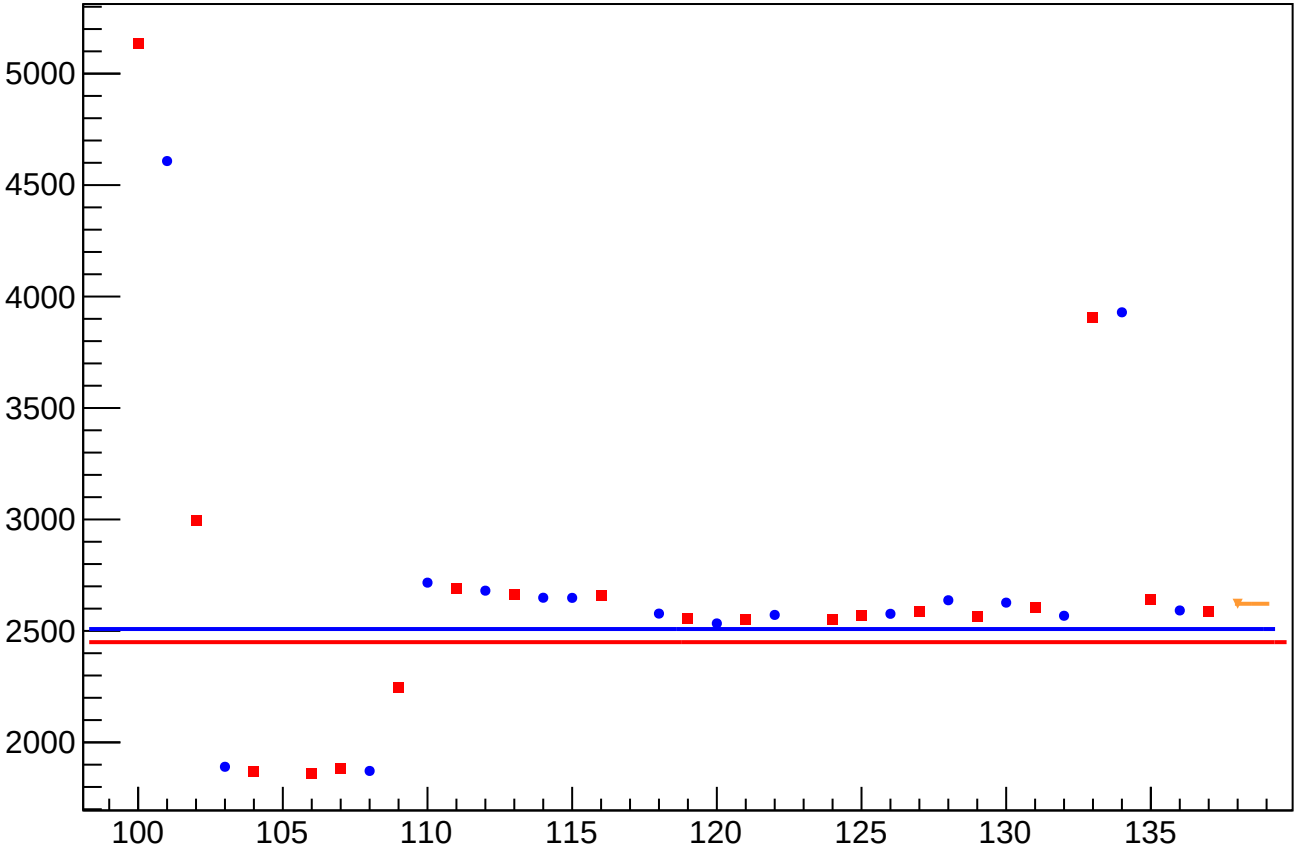
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 4274.393+/-951.956 χ^2/NDF:8.9/15

Out: 2235.102+/-880.582 χ^2/NDF:14.8/19

All: 3175.442+/-646.427 χ^2/NDF: 26.2/35

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2621.833+/-2.099 χ^2/NDF:0.0/0

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

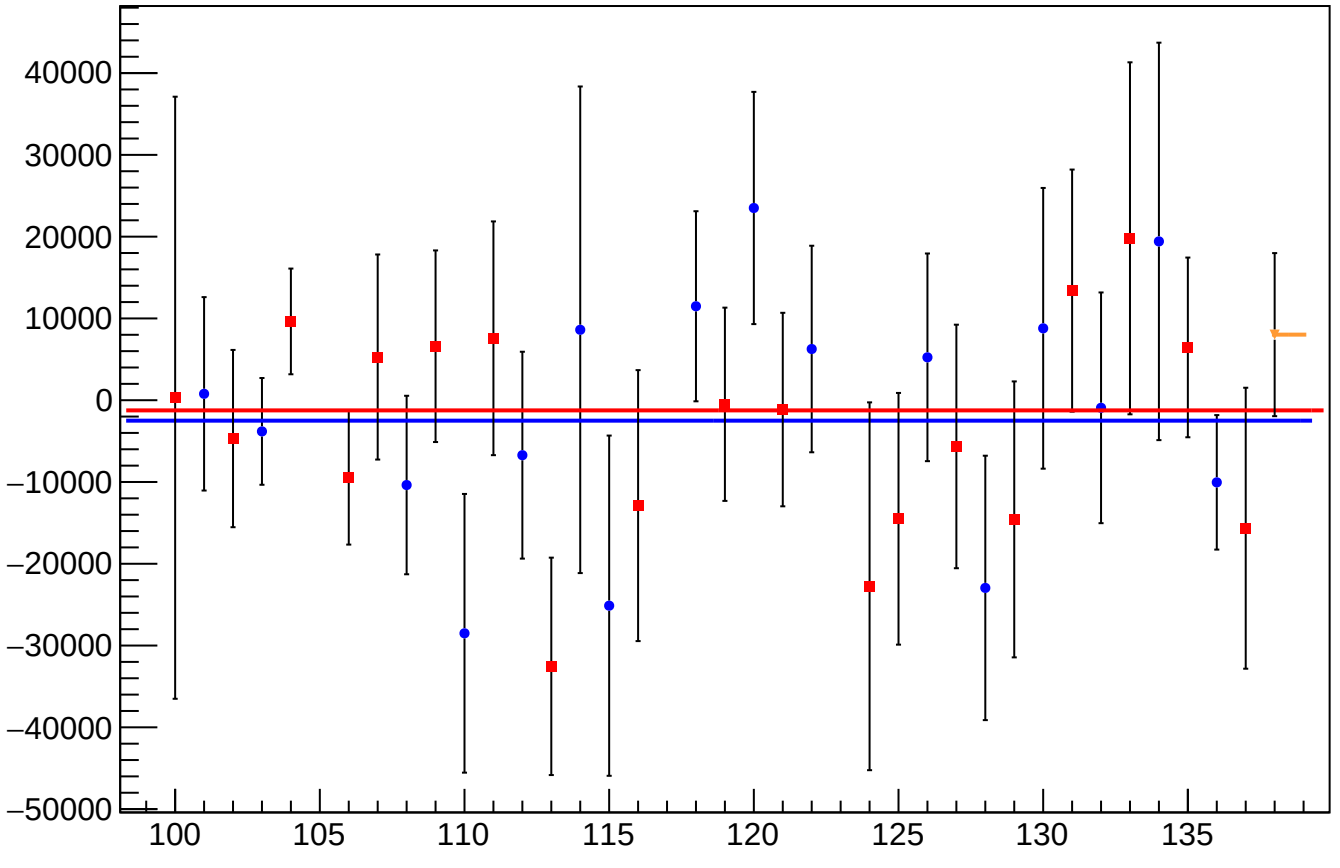
Left: 2621.833+/-2.099 χ^2/NDF: 0.0/0

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2508.466+/-0.673 χ^2/NDF:611589.6/15

Out: 2464.782+/-0.623 χ^2/NDF:443041.8/19

All: 2484.926+/-0.457 χ^2/NDF: 1056901.0/35



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 8018.876+/-9969.517 χ^2/NDF:0.0/0

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

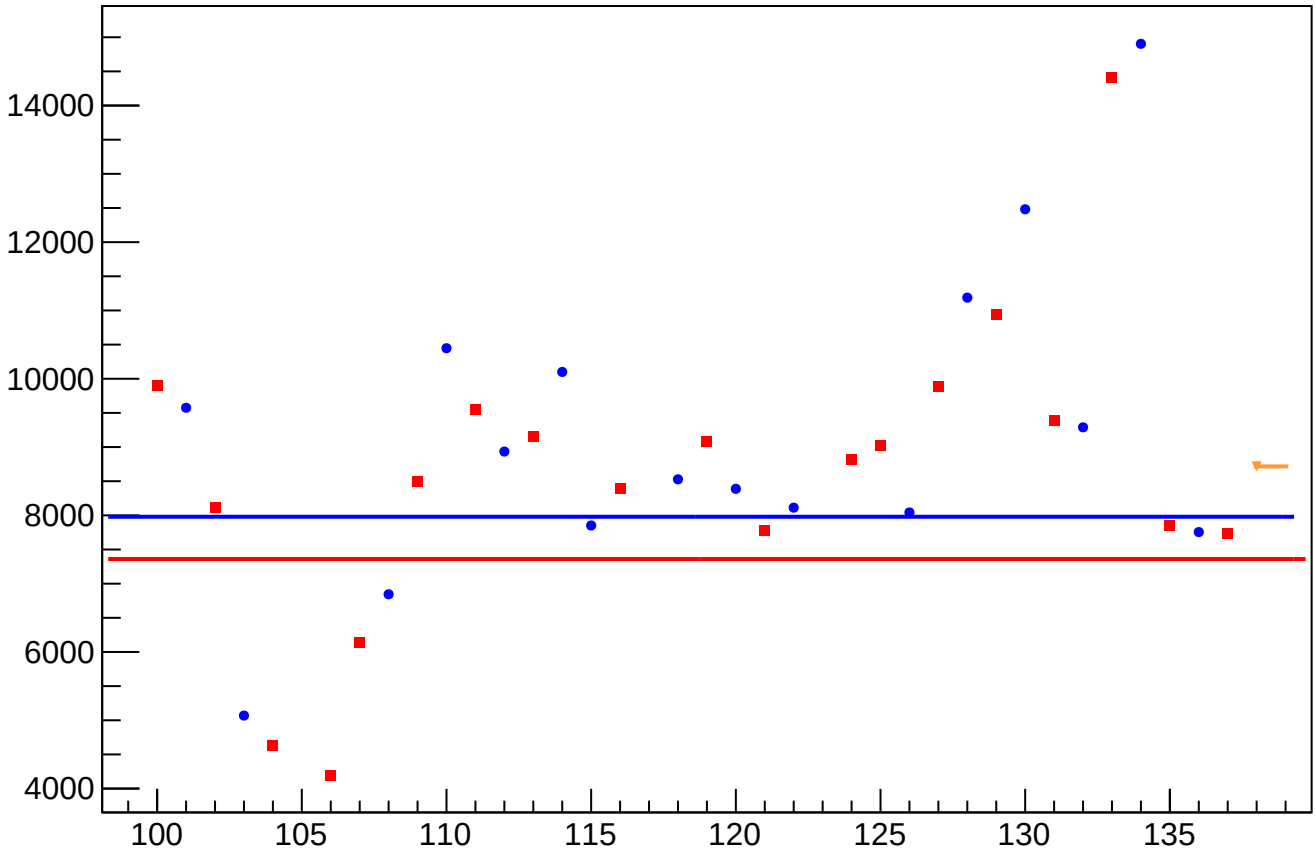
Left: 8018.876+/-9969.517 χ^2/NDF: 0.0/0

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -2500.602+/-3075.580 χ^2/NDF:13.8/15

Out: -543.286+/-2742.664 χ^2/NDF:17.4/19

All: -1410.313+/-2046.977 χ^2/NDF: 31.4/35



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8716.982+/-7.050 χ^2/NDF:0.0/0

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 8716.982+/-7.050 χ^2/NDF: 0.0/0

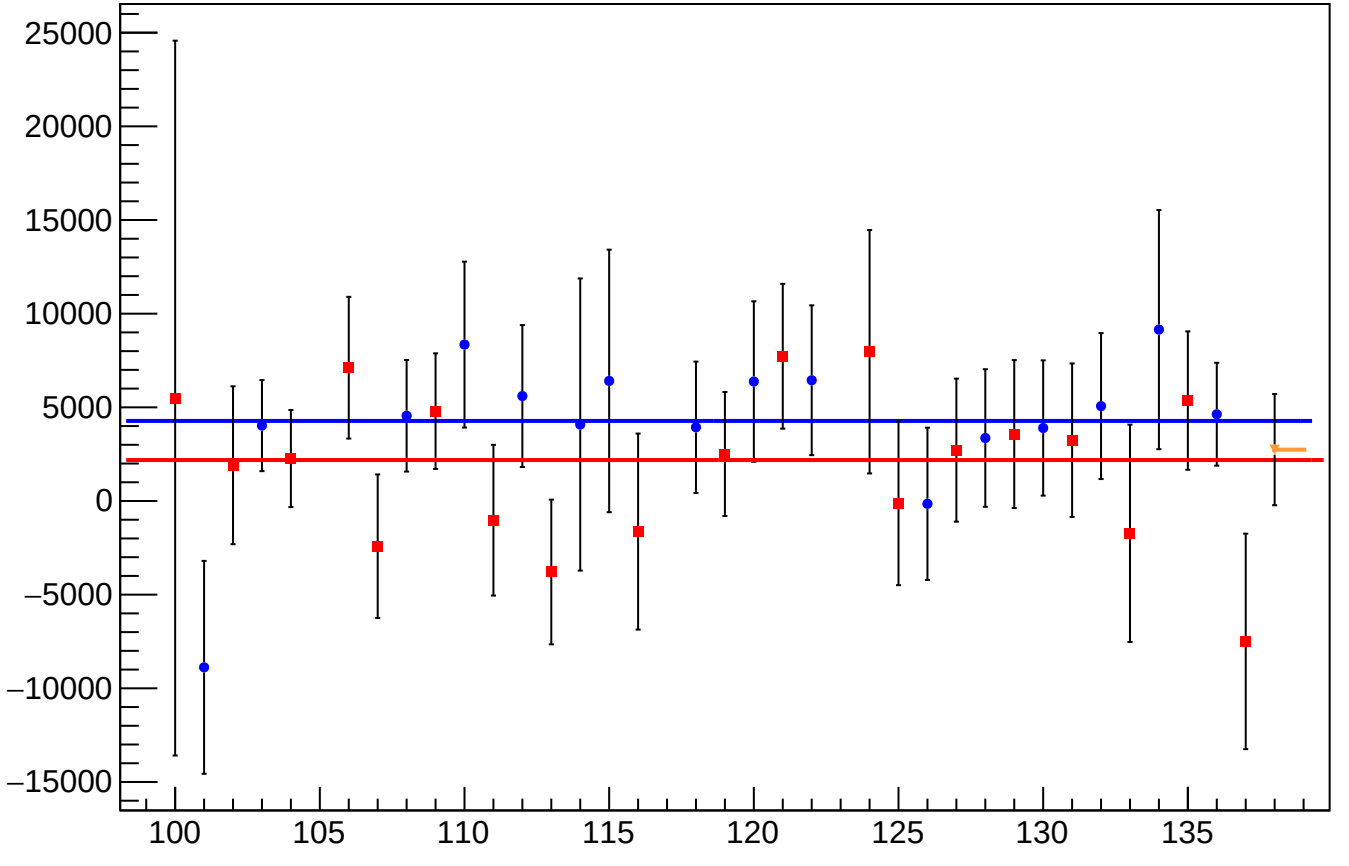
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 7979.488+/-2.175 χ^2/NDF:923083.9/15

Out: 7463.385+/-1.939 χ^2/NDF:1320220.4/19

All: 7692.002+/-1.447 χ^2/NDF: 2274675.3/35

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 2741.119+/-2967.929 χ^2/NDF:0.0/0

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2741.119+/-2967.929 χ^2/NDF: 0.0/0

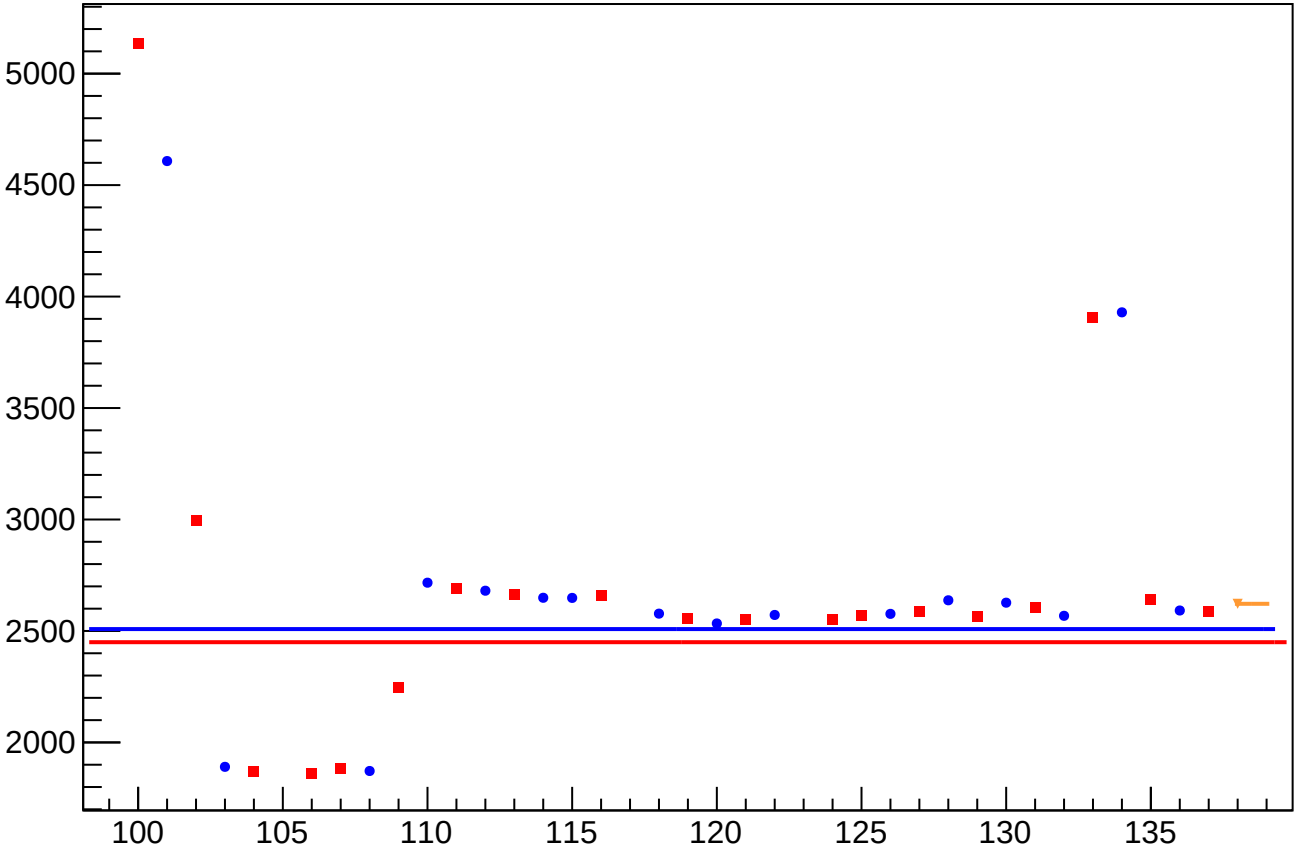
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4273.903+/-951.956 χ^2/NDF:8.9/15

Out: 2235.677+/-880.589 χ^2/NDF:14.9/19

All: 3175.533+/-646.430 χ^2/NDF: 26.2/35

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2621.833+/-2.099 χ^2/NDF:0.0/0

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

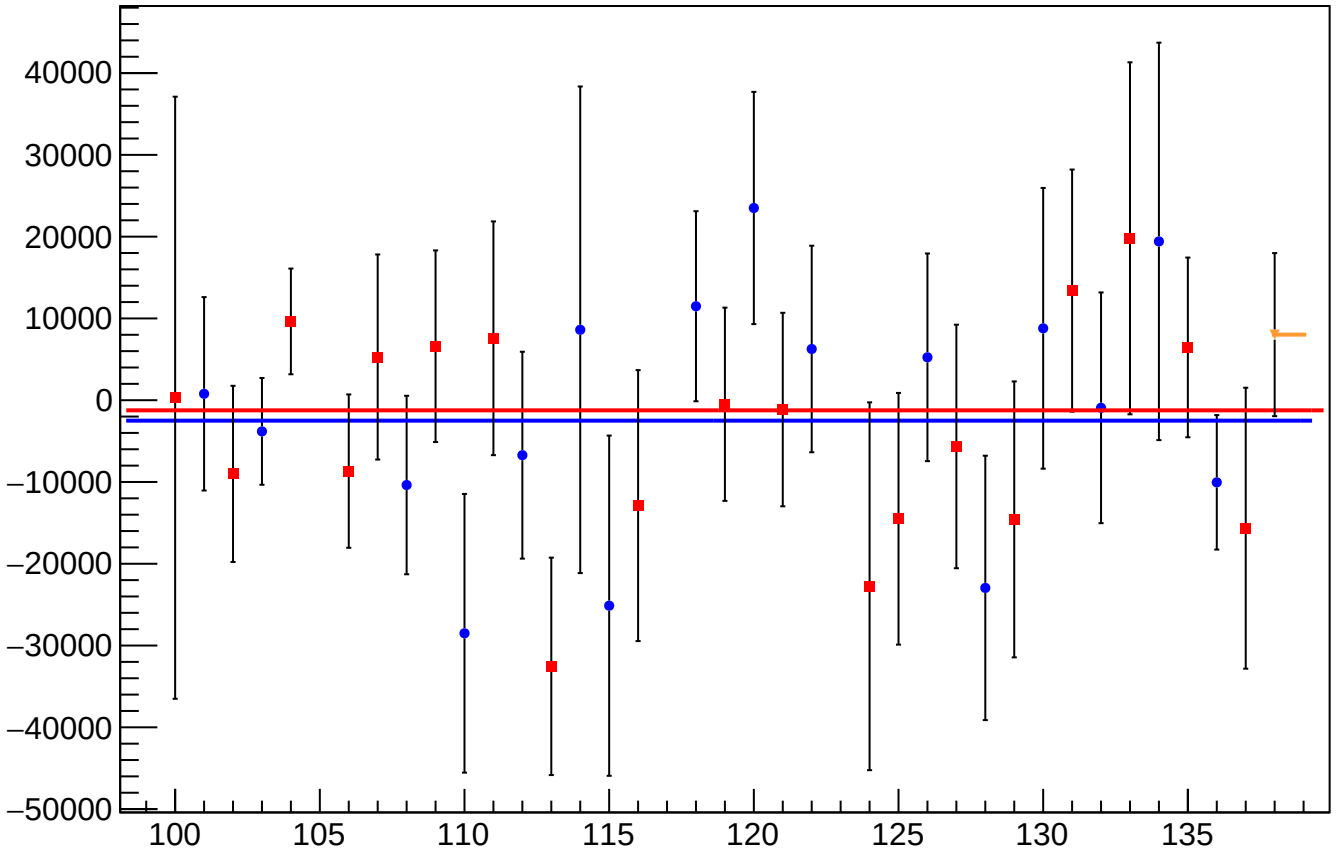
Left: 2621.833+/-2.099 χ^2/NDF: 0.0/0

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2508.467+/-0.673 χ^2/NDF:611587.4/15

Out: 2464.805+/-0.623 χ^2/NDF:442985.7/19

All: 2484.938+/-0.457 χ^2/NDF: 1056840.4/35



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 8018.977+/-9969.504 χ^2/NDF:0.0/0

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

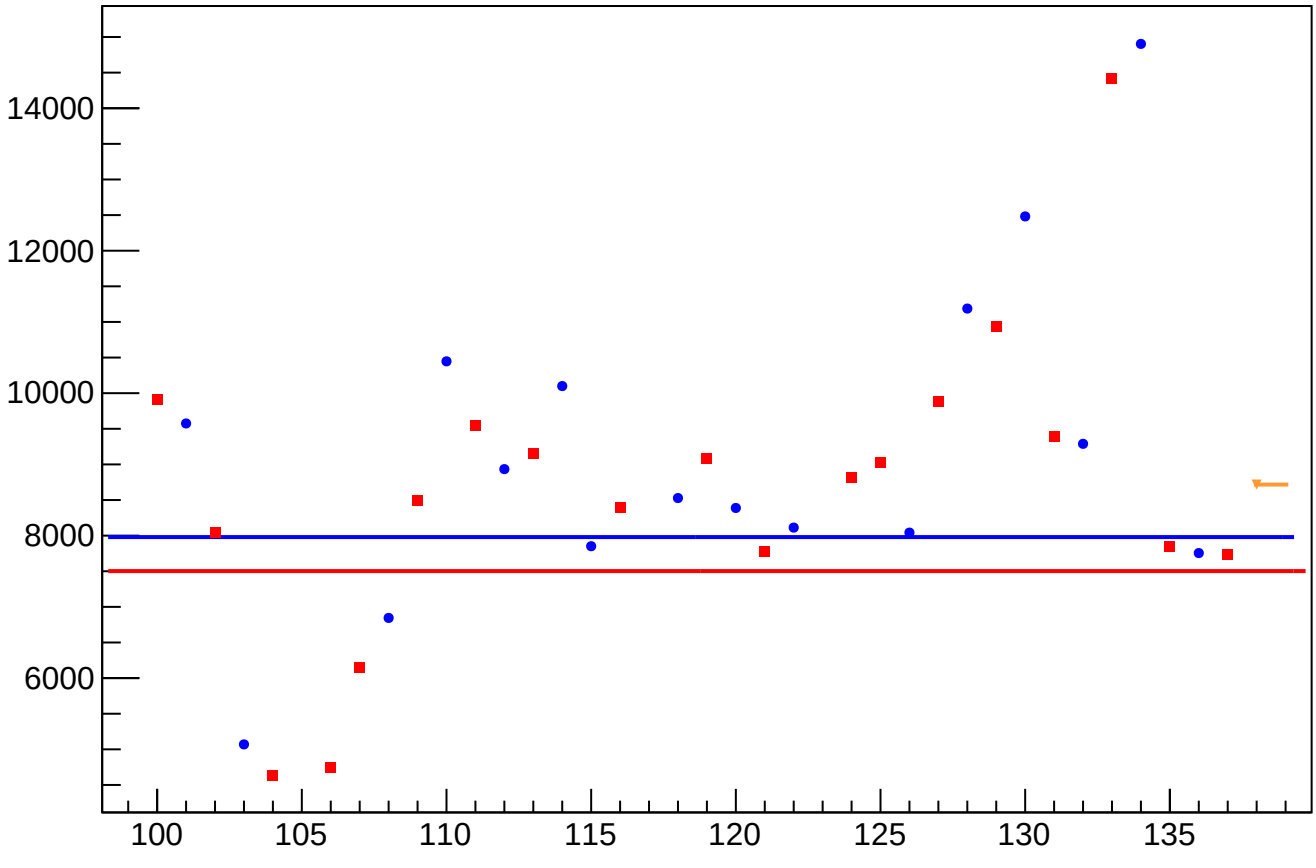
Left: 8018.977+/-9969.504 χ^2/NDF: 0.0/0

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -2500.380+/-3075.668 χ^2/NDF:13.8/15

Out: -520.573+/-2778.795 χ^2/NDF:17.4/19

All: -1410.340+/-2061.894 χ^2/NDF: 31.4/35



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8716.970+/-7.050 χ^2/NDF:0.0/0

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 8716.970+/-7.050 χ^2/NDF: 0.0/0

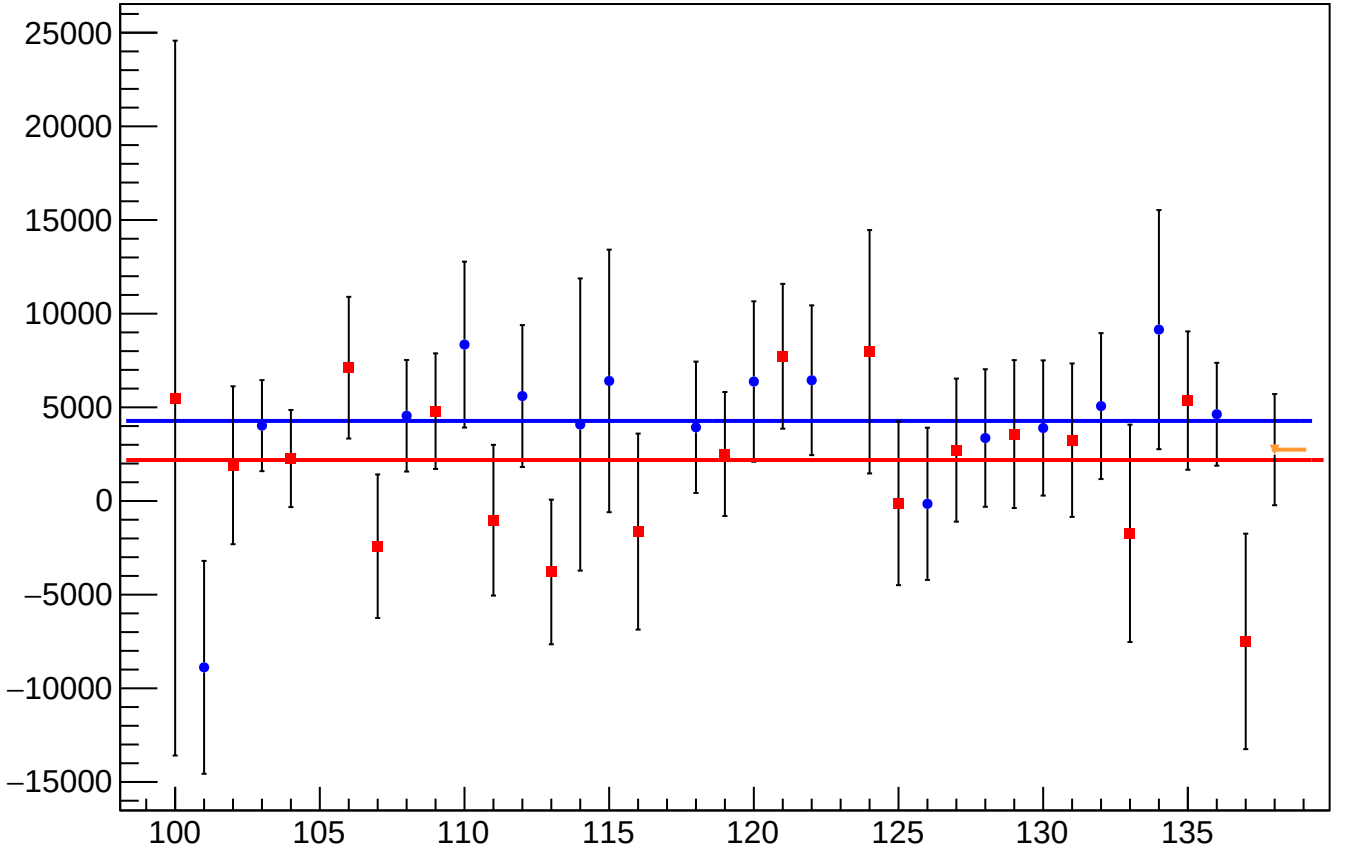
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7979.812+/-2.175 χ^2/NDF:922785.4/15

Out: 7597.023+/-1.965 χ^2/NDF:1162888.8/19

All: 7769.056+/-1.458 χ^2/NDF: 2102730.7/35

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 2741.119+/-2967.929 χ^2/NDF:0.0/0

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

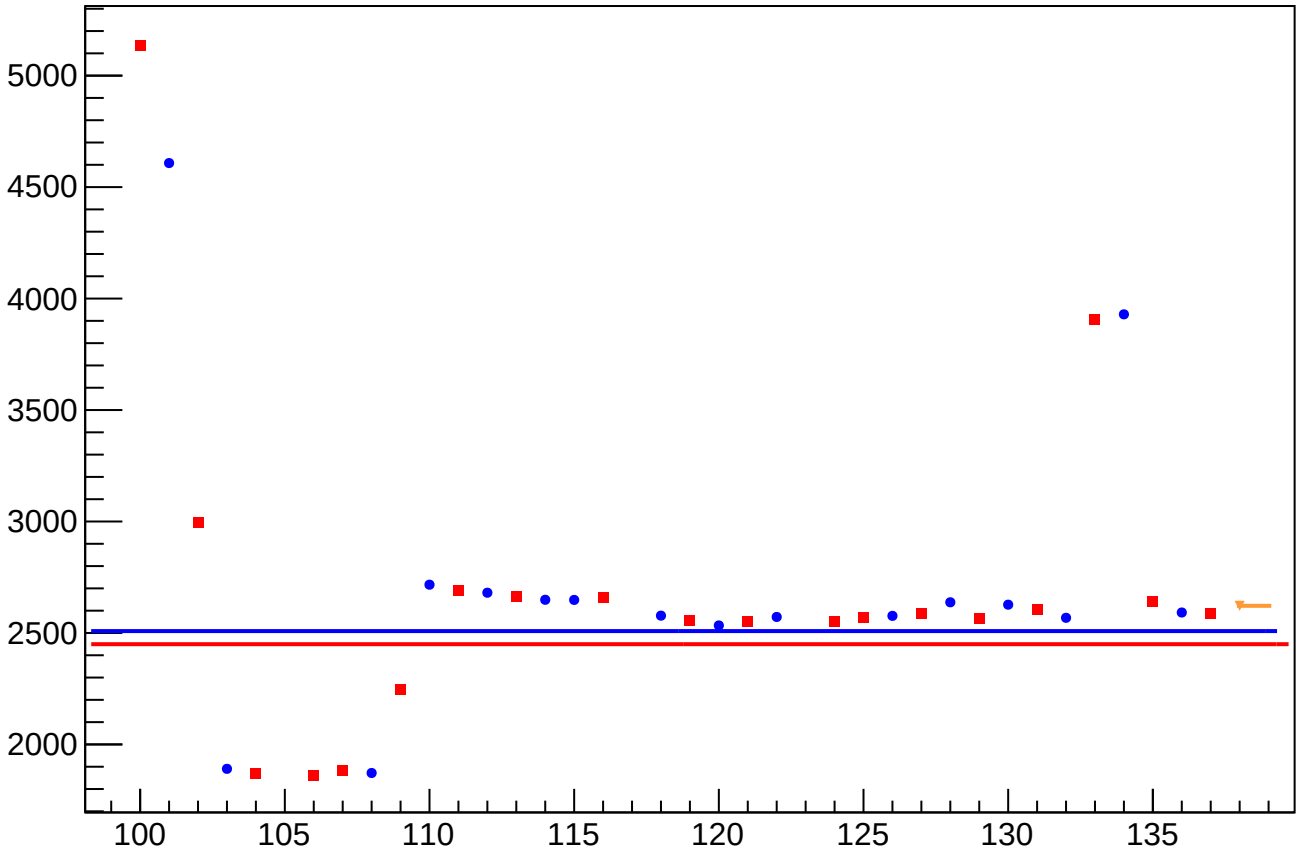
Left: 2741.119+/-2967.929 χ^2/NDF: 0.0/0

Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4273.903+/-951.956 χ^2/NDF:8.9/15

Out: 2235.677+/-880.589 χ^2/NDF:14.9/19

All: 3175.533+/-646.430 χ^2/NDF: 26.2/35



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2621.833+/-2.099 χ^2/NDF:0.0/0

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

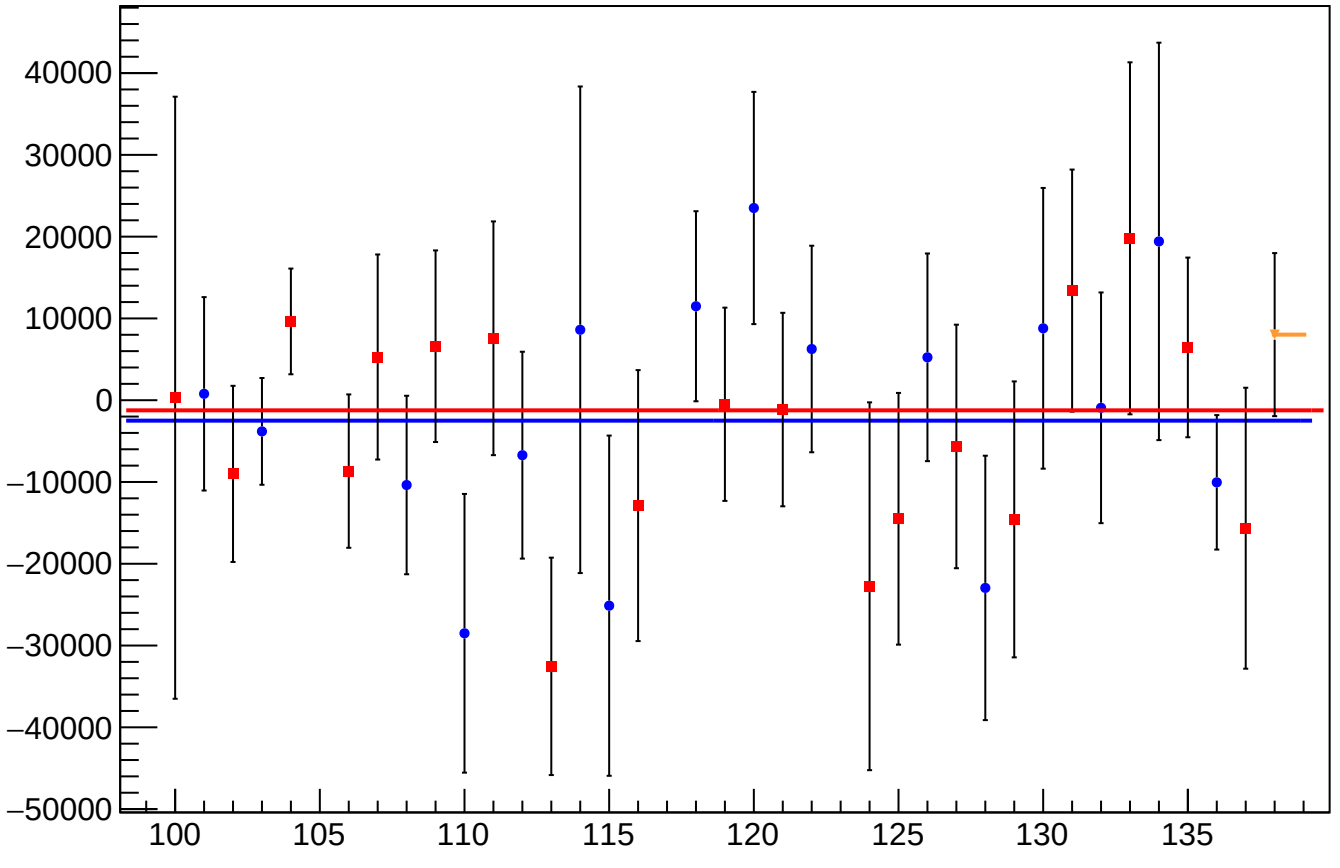
Left: 2621.833+/-2.099 χ^2/NDF: 0.0/0

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2508.467+/-0.673 χ^2/NDF:611587.4/15

Out: 2464.805+/-0.623 χ^2/NDF:442985.7/19

All: 2484.938+/-0.457 χ^2/NDF: 1056840.4/35



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 8018.977+/-9969.504 χ^2/NDF:0.0/0

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

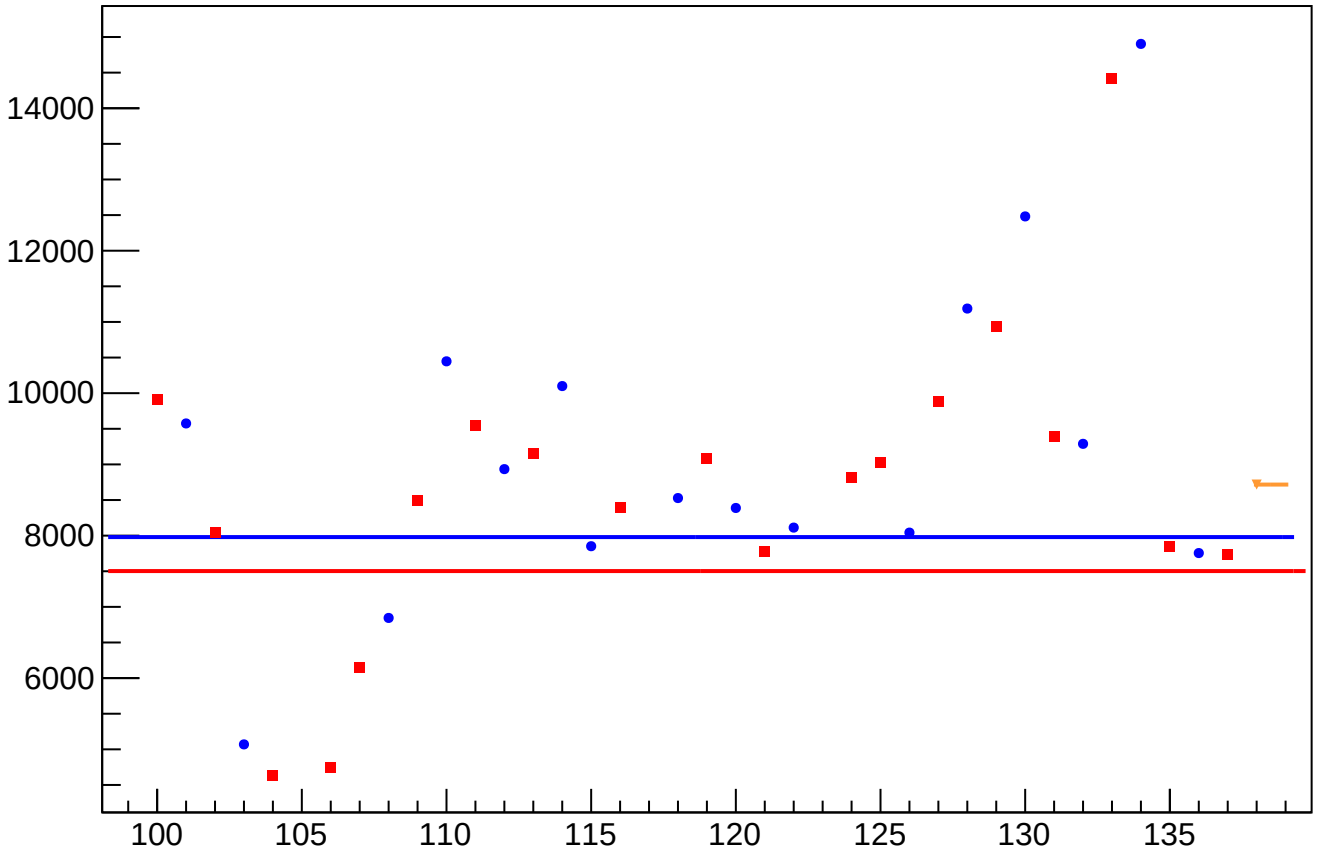
Left: 8018.977+/-9969.504 χ^2/NDF: 0.0/0

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -2500.380+/-3075.668 χ^2/NDF:13.8/15

Out: -520.573+/-2778.795 χ^2/NDF:17.4/19

All: -1410.340+/-2061.894 χ^2/NDF: 31.4/35



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8716.970+/-7.050 χ^2/NDF:0.0/0

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 8716.970+/-7.050 χ^2/NDF: 0.0/0

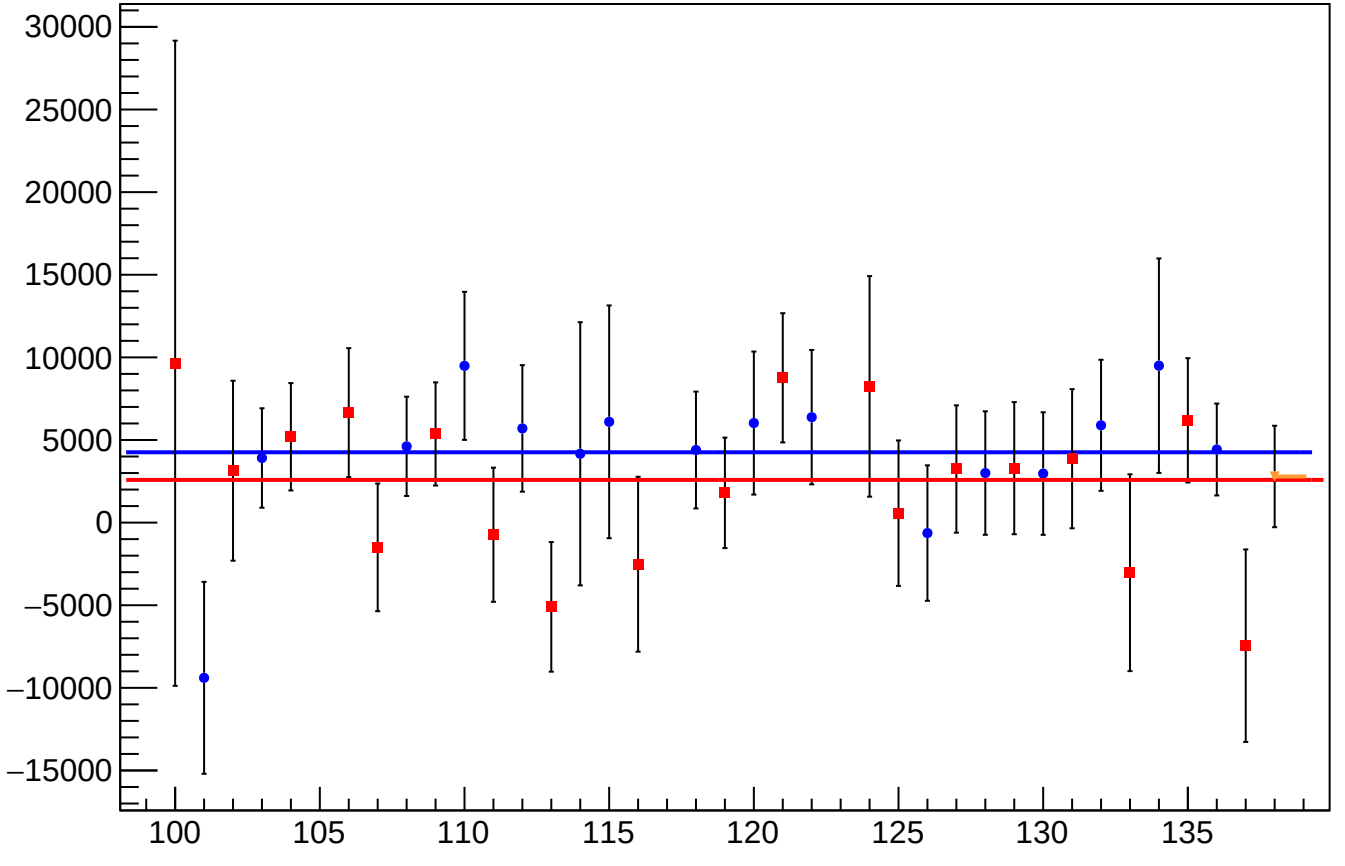
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7979.812+/-2.175 χ^2/NDF:922785.4/15

Out: 7597.023+/-1.965 χ^2/NDF:1162888.8/19

All: 7769.056+/-1.458 χ^2/NDF: 2102730.7/35

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 2791.337+/-3069.690 χ^2/NDF:0.0/0

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2791.337+/-3069.690 χ^2/NDF: 0.0/0

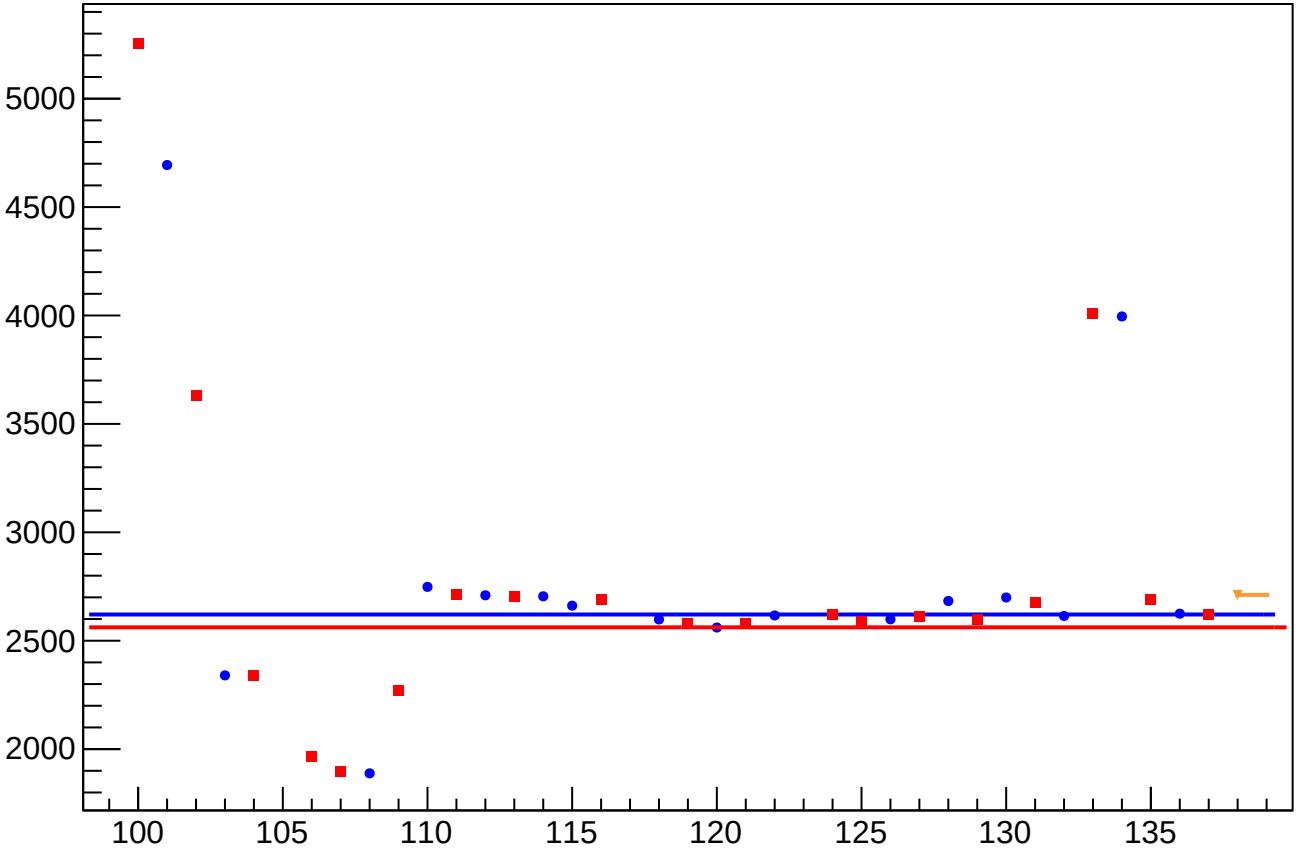
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4256.977+/-990.542 χ^2/NDF:10.1/15

Out: 2603.311+/-921.494 χ^2/NDF:17.6/19

All: 3370.504+/-674.685 χ^2/NDF: 29.2/35

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2711.181+/-2.171 χ^2/NDF:0.0/0

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

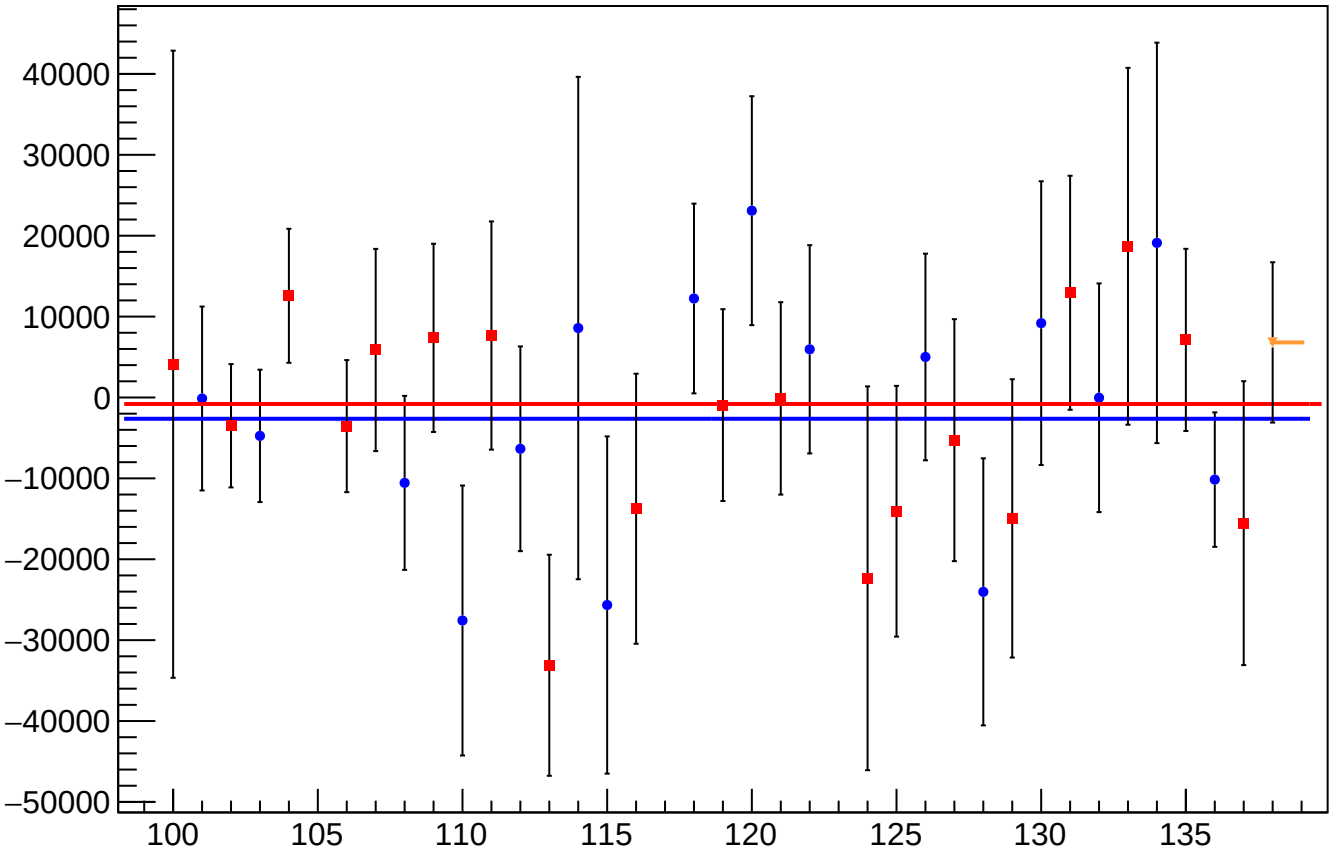
Left: 2711.181+/-2.171 χ^2/NDF: 0.0/0

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2620.964+/-0.700 χ^2/NDF:485914.1/15

Out: 2575.173+/-0.651 χ^2/NDF:382574.0/19

All: 2596.405+/-0.477 χ^2/NDF: 870780.5/35



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 6807.876+/-9910.035 χ^2/NDF:0.0/0

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

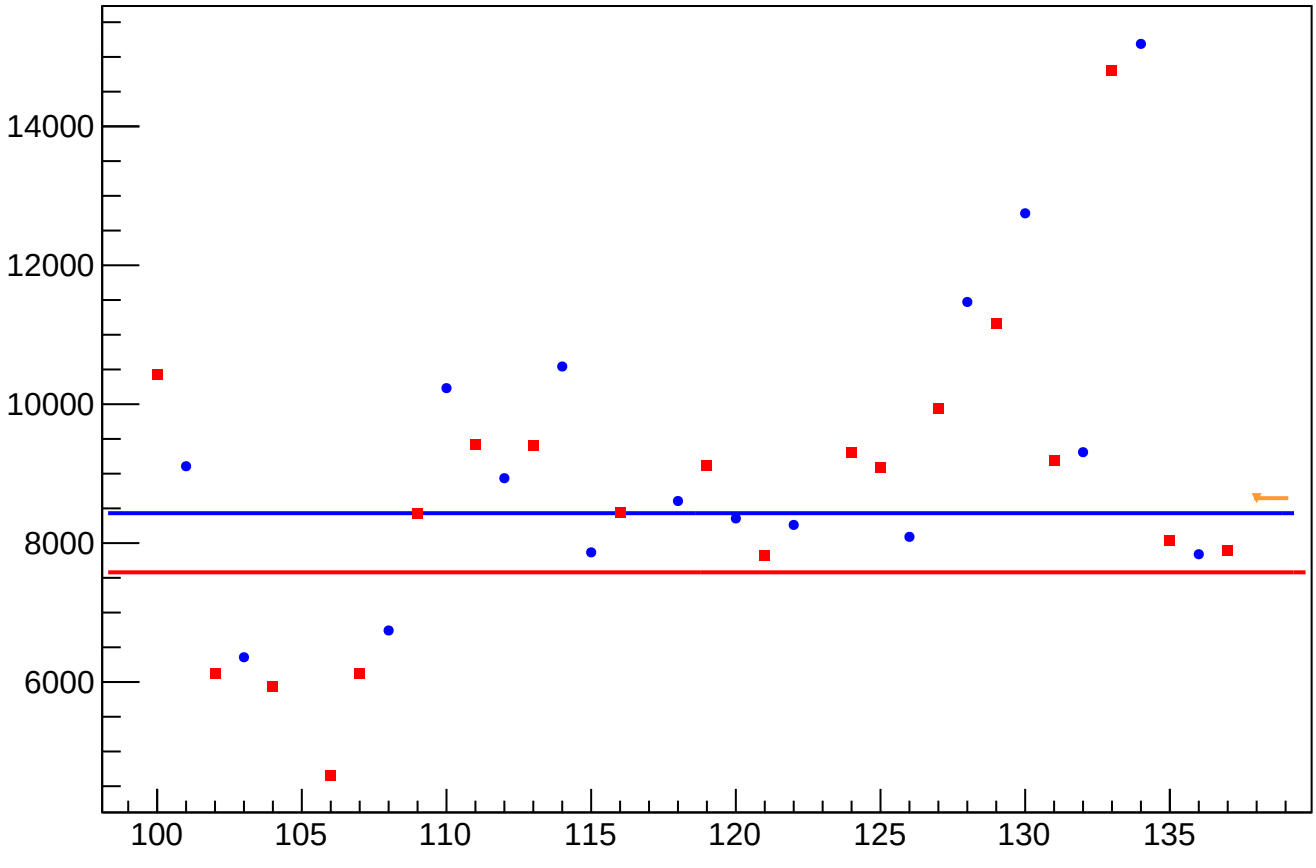
Left: 6807.876+/-9910.035 χ^2/NDF: 0.0/0

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -2631.921+/-3211.506 χ^2/NDF:13.8/15

Out: -212.838+/-2759.323 χ^2/NDF:15.9/19

All: -1240.222+/-2092.906 χ^2/NDF: 30.1/35



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8646.959+/-7.007 χ^2/NDF:0.0/0

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 8646.959+/-7.007 χ^2/NDF: 0.0/0

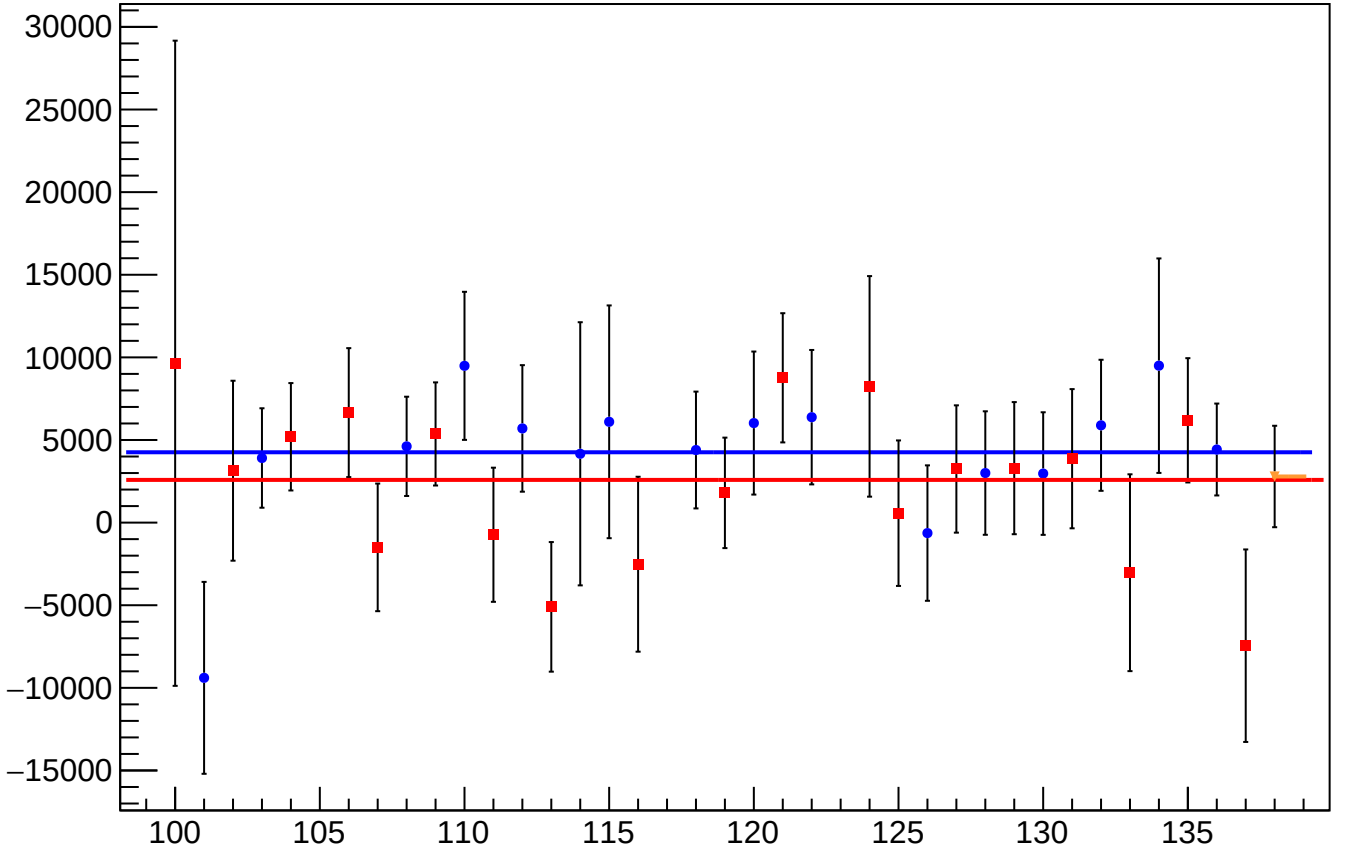
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8430.768+/-2.271 χ^2/NDF:580295.1/15

Out: 7661.899+/-1.951 χ^2/NDF:995548.5/19

All: 7988.438+/-1.480 χ^2/NDF: 1641793.0/35

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 2791.333+/-3069.692 χ^2/NDF:0.0/0

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2791.333+/-3069.692 χ^2/NDF: 0.0/0

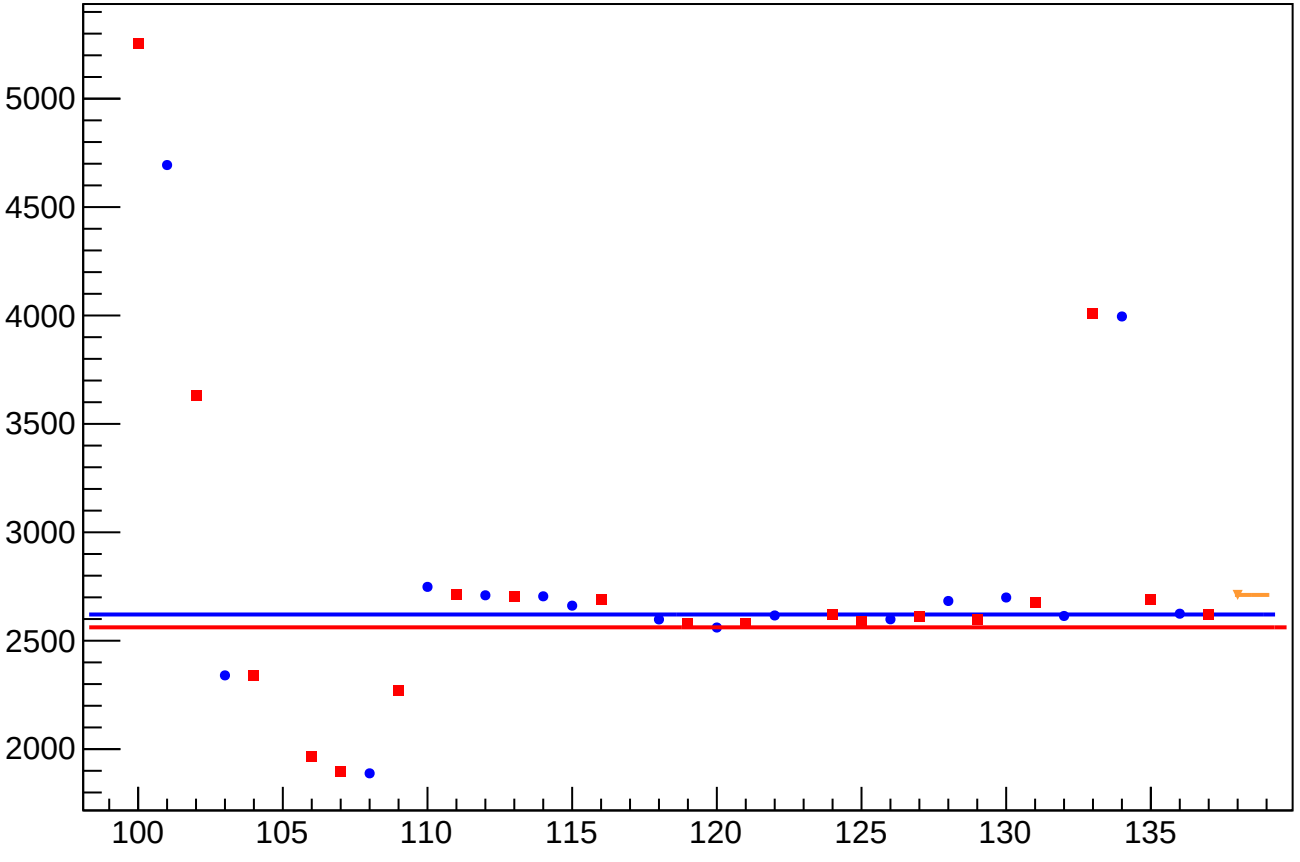
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4256.984+/-990.541 χ^2/NDF:10.1/15

Out: 2603.320+/-921.494 χ^2/NDF:17.6/19

All: 3370.512+/-674.685 χ^2/NDF: 29.2/35

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2711.182+/-2.171 χ^2/NDF:0.0/0

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

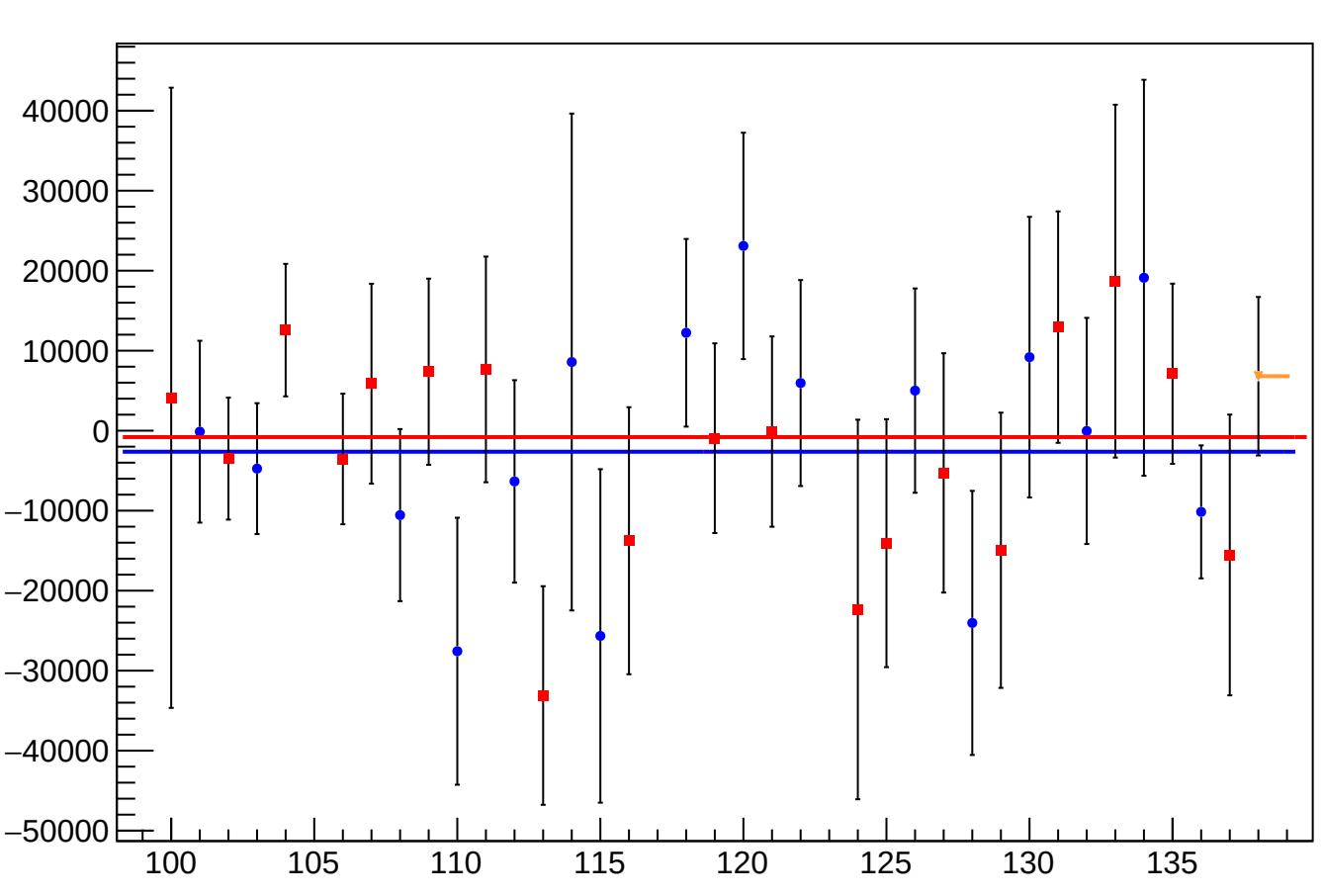
Left: 2711.182+/-2.171 χ^2/NDF: 0.0/0

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2620.963+/-0.700 χ^2/NDF:485914.3/15

Out: 2575.173+/-0.651 χ^2/NDF:382573.6/19

All: 2596.404+/-0.477 χ^2/NDF: 870780.2/35



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 6807.871+/-9910.051 χ^2/NDF:0.0/0

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

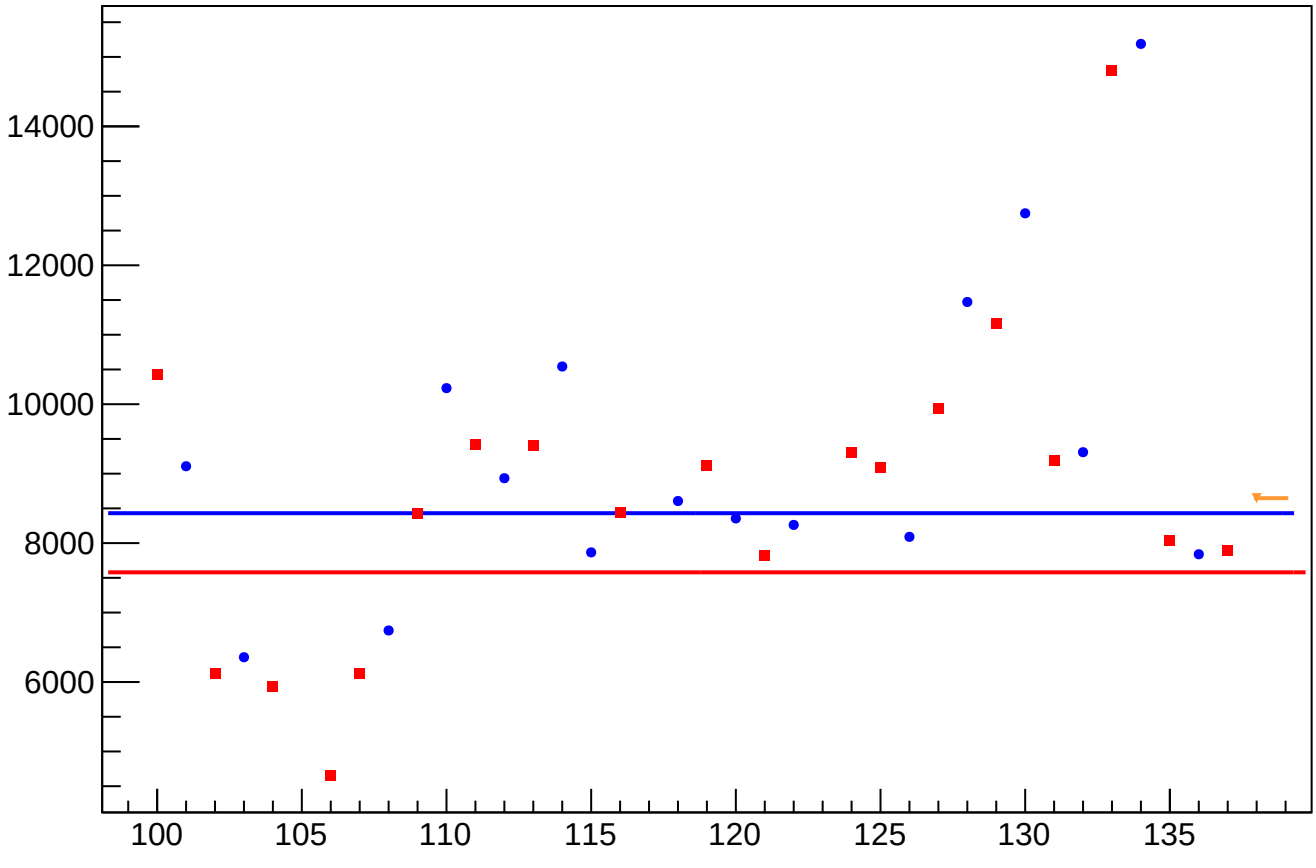
Left: 6807.871+/-9910.051 χ^2/NDF: 0.0/0

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -2631.887+/-3211.501 χ^2/NDF:13.8/15

Out: -212.839+/-2759.319 χ^2/NDF:15.9/19

All: -1240.208+/-2092.903 χ^2/NDF: 30.1/35



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8646.973+/-7.007 χ^2/NDF:0.0/0

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

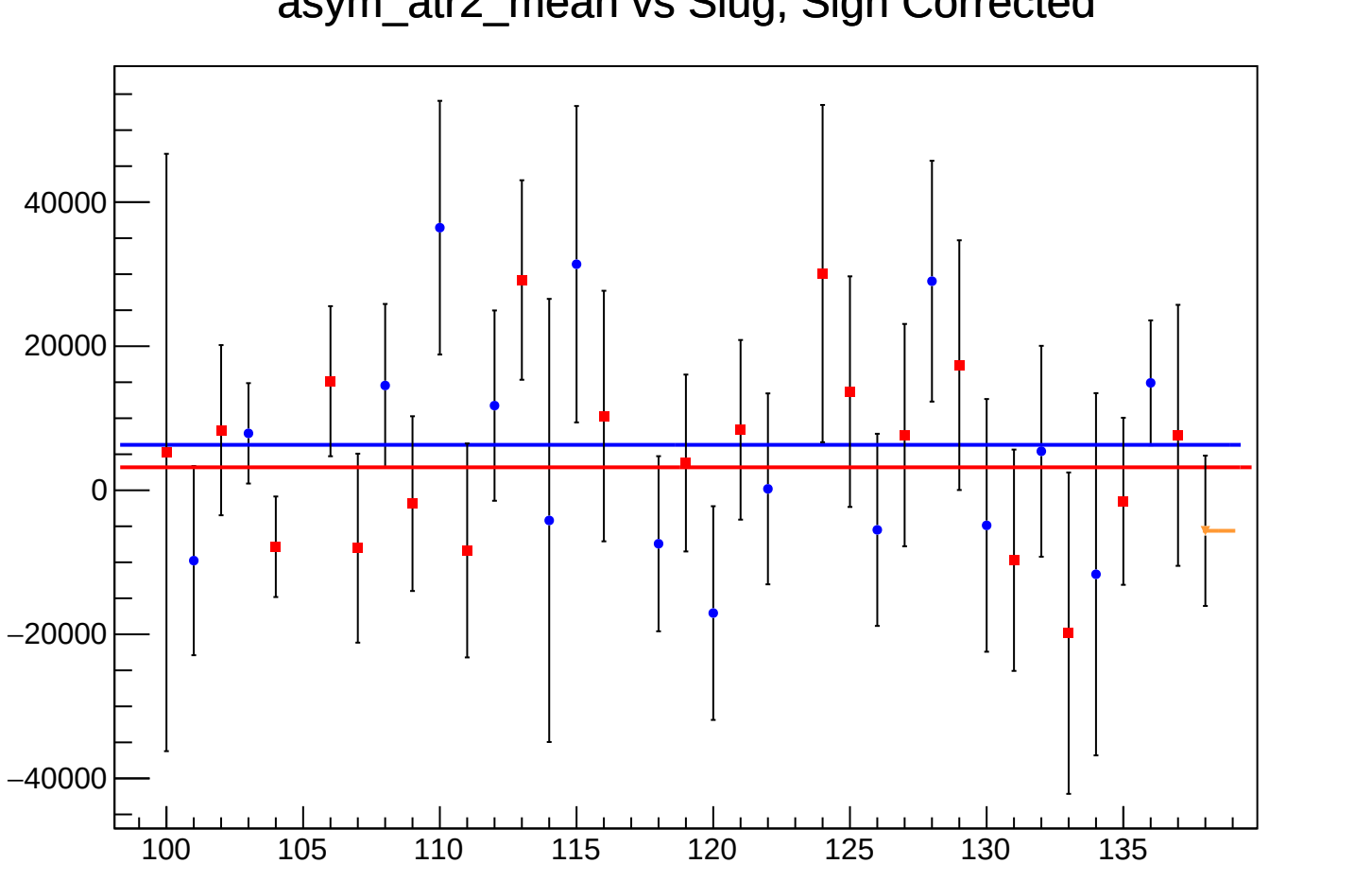
Left: 8646.973+/-7.007 χ^2/NDF: 0.0/0

Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8430.758+/-2.271 χ^2/NDF:580289.4/15

Out: 7661.889+/-1.951 χ^2/NDF:995545.7/19

All: 7988.428+/-1.480 χ^2/NDF: 1641784.8/35



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -5623.705+/-10437.635 χ^2/NDF:0.0/0

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -5623.705+/-10437.635 χ^2/NDF: 0.0/0

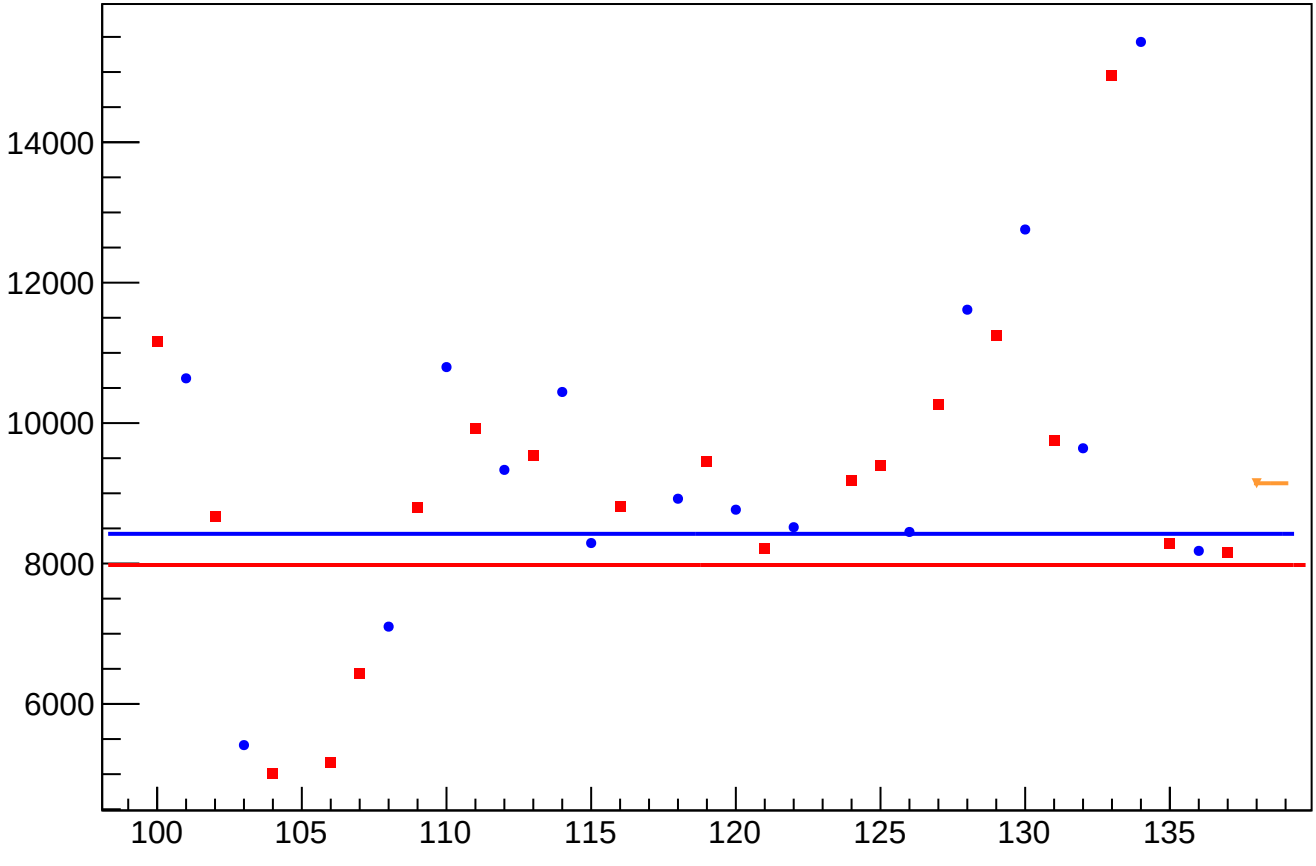
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 6307.034+/-3239.703 χ^2/NDF:15.1/15

Out: 2488.204+/-2944.048 χ^2/NDF:14.5/19

All: 4215.451+/-2178.799 χ^2/NDF: 30.4/35

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 9142.875+/-7.381 χ^2/NDF:0.0/0

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

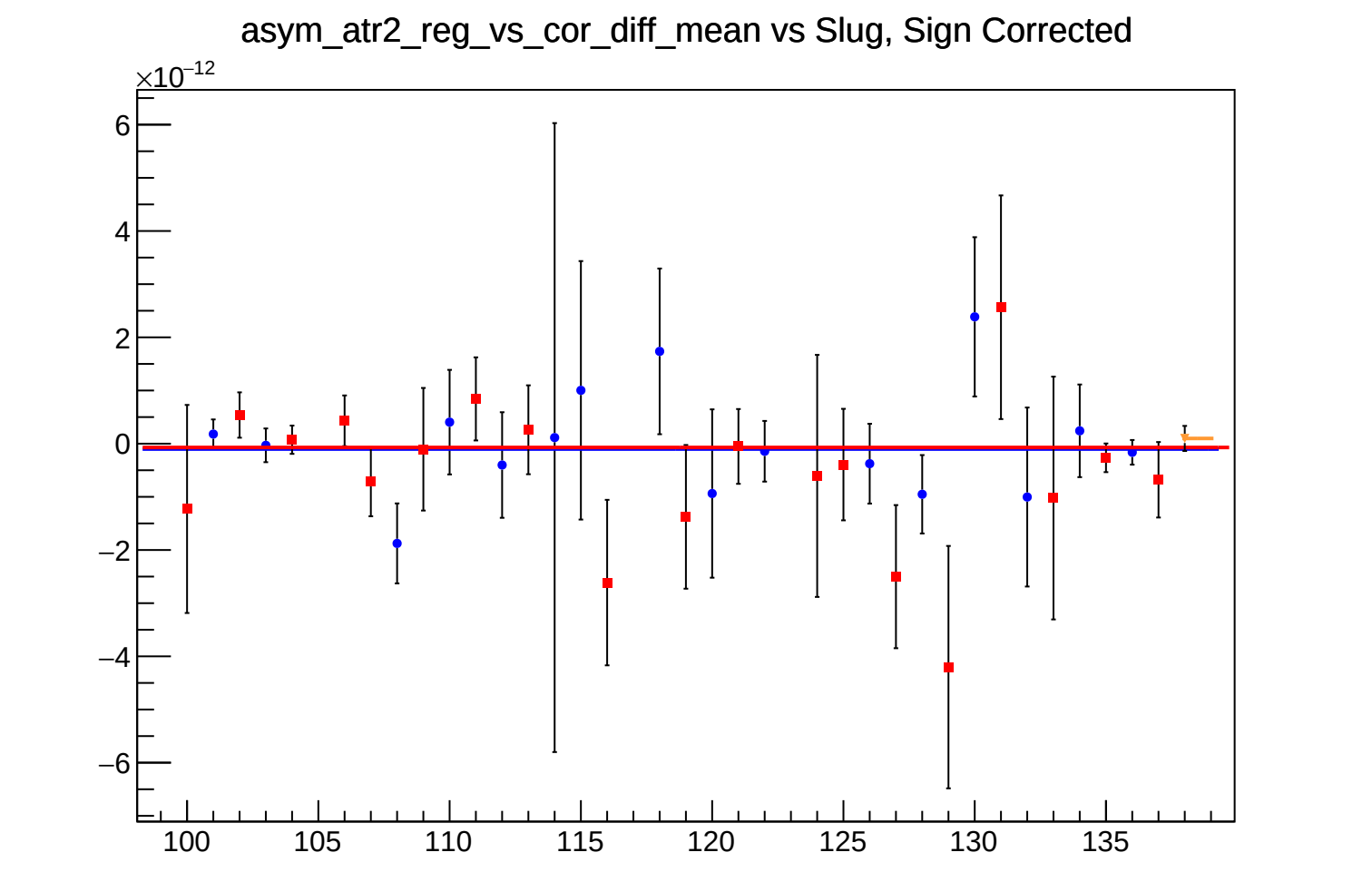
Left: 9142.875+/-7.381 χ^2/NDF: 0.0/0

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8422.717+/-2.291 χ^2/NDF:881833.9/15

Out: 8071.590+/-2.082 χ^2/NDF:1038908.6/19

All: 8230.401+/-1.541 χ^2/NDF: 1933610.2/35



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

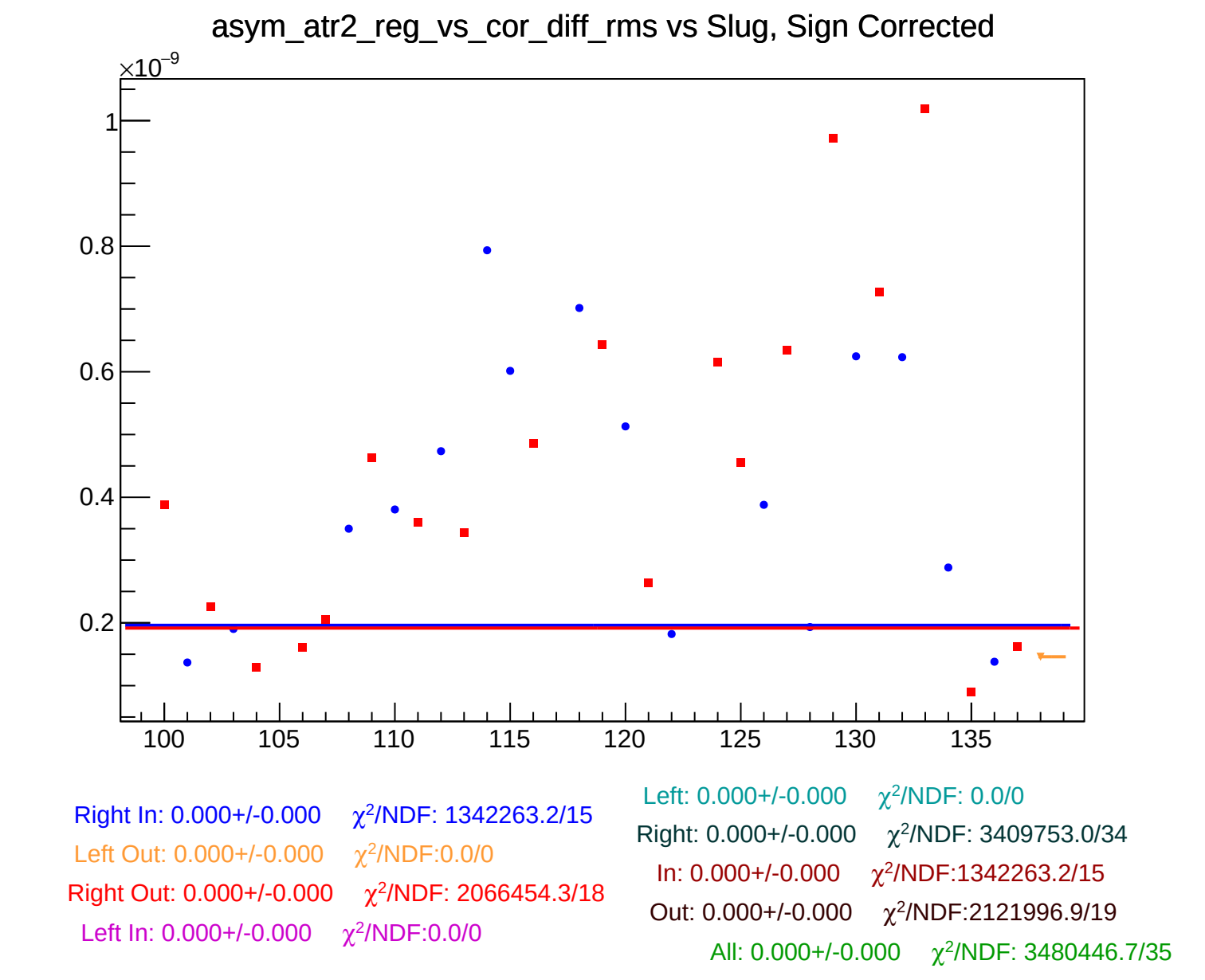
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

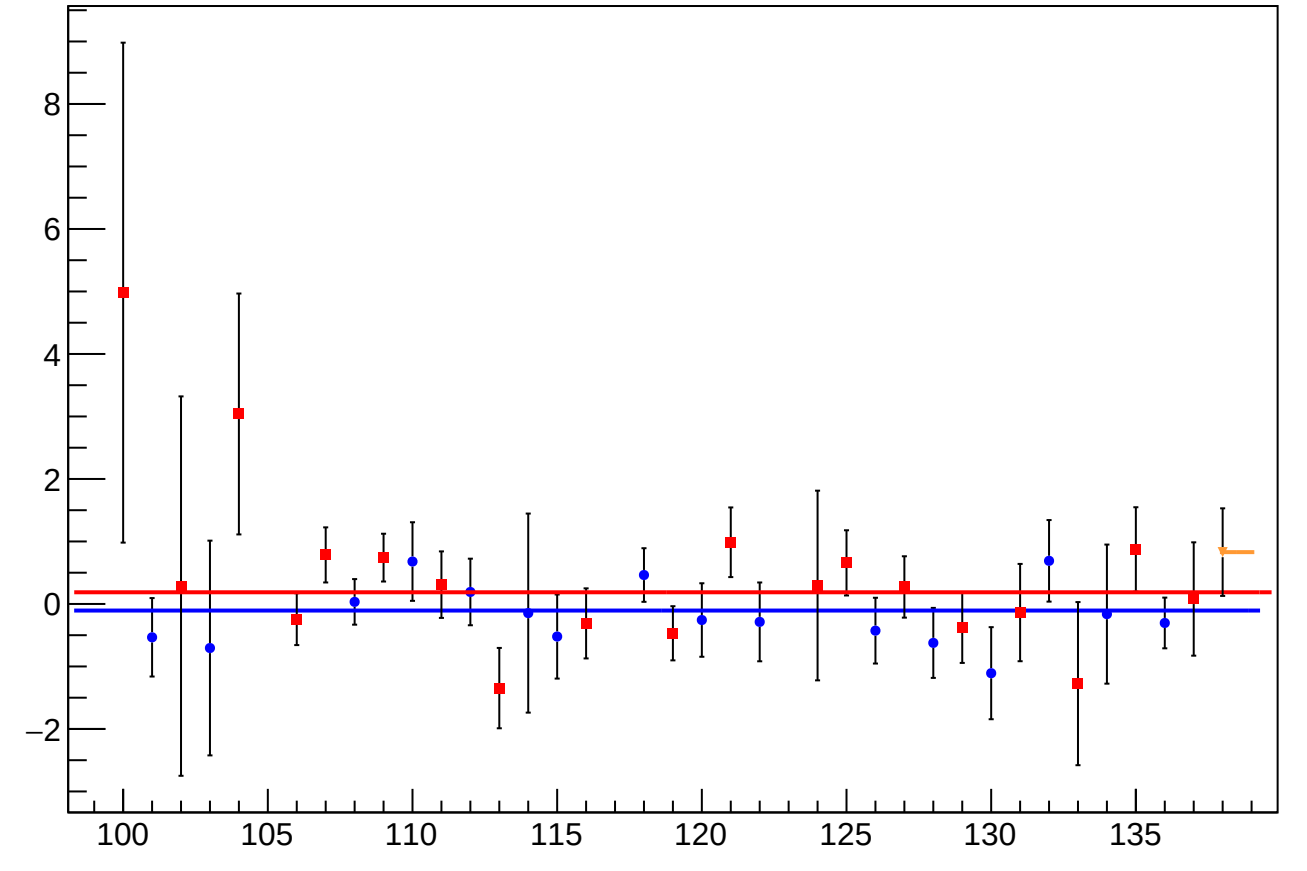
Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: -0.000+/-0.000 χ^2/NDF:13.6/15

Out: -0.000+/-0.000 χ^2/NDF:20.0/19

All: -0.000+/-0.000 χ^2/NDF: 33.8/35


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
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
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: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:1342263.2/15
Out: 0.000+/-0.000 χ²/NDF:2121996.9/19
All: 0.000+/-0.000 χ²/NDF: 3480446.7/35



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.829+/-0.701 χ^2/NDF:0.0/0

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

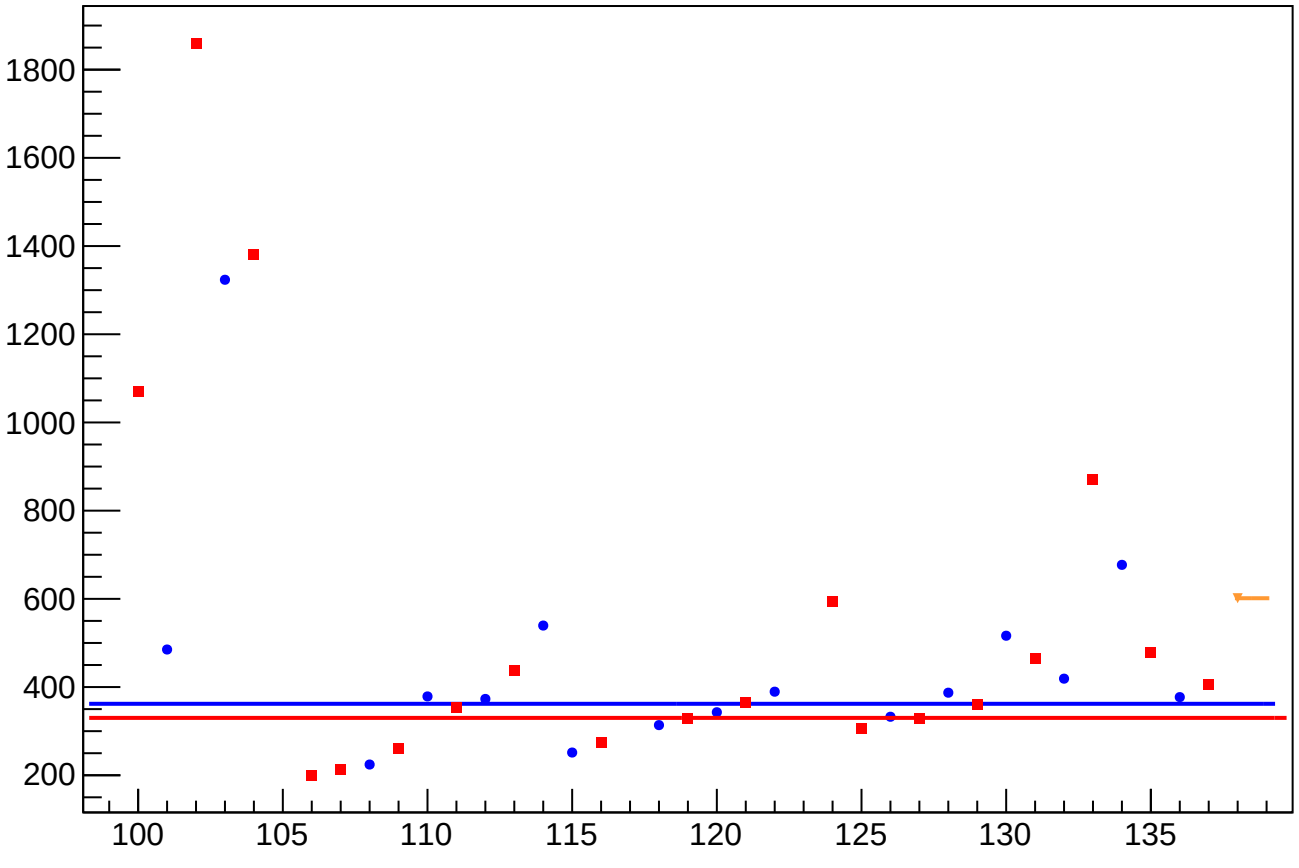
Left: 0.829+/-0.701 χ^2/NDF: 0.0/0

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.105+/-0.145 χ^2/NDF:9.7/15

Out: 0.211+/-0.135 χ^2/NDF:24.7/19

All: 0.064+/-0.099 χ^2/NDF: 36.9/35



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 601.429+/-0.495 χ^2/NDF:0.0/0

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 601.429+/-0.495 χ^2/NDF: 0.0/0

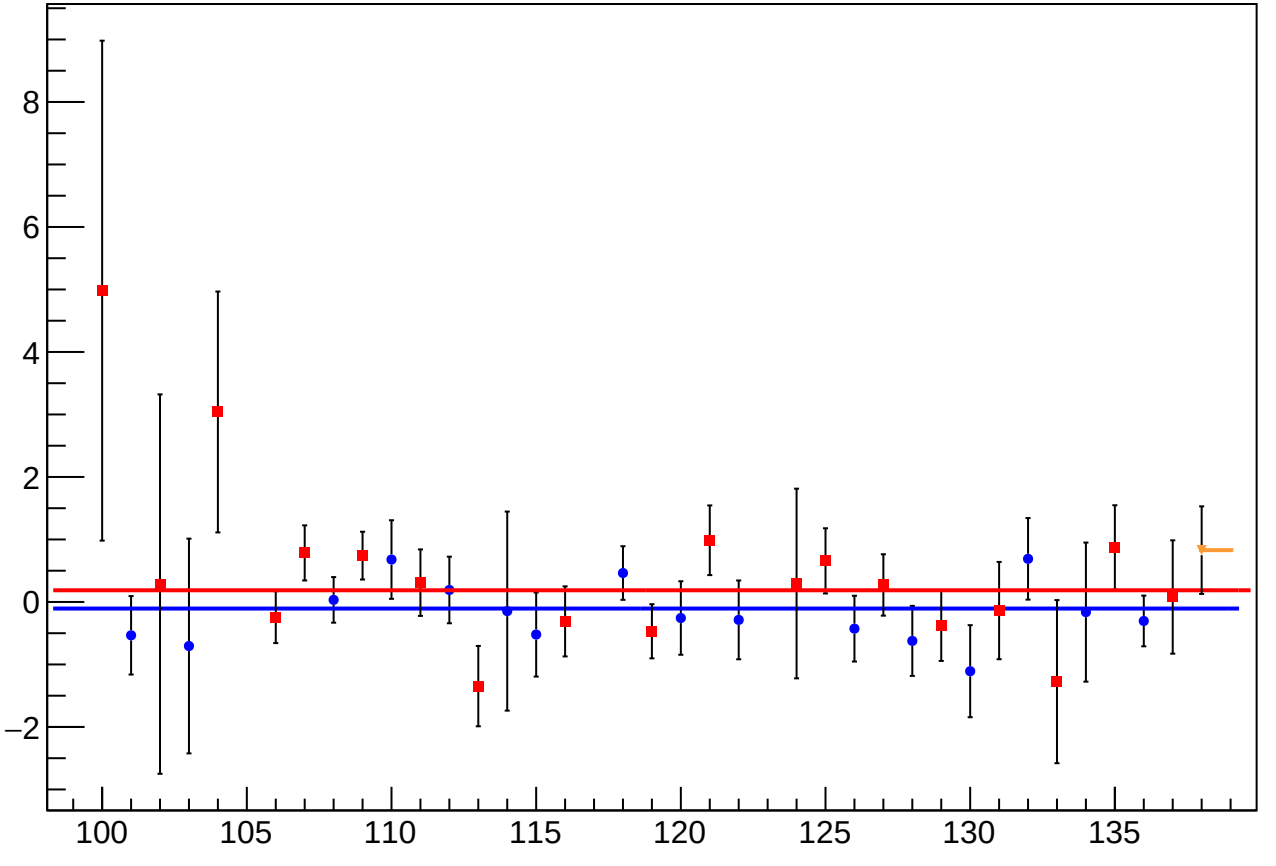
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 362.037+/-0.102 χ^2/NDF:1377330.2/15

Out: 340.132+/-0.095 χ^2/NDF:2535316.6/19

All: 350.314+/-0.070 χ^2/NDF: 3937179.4/35

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: 0.829+/-0.701 χ^2/NDF:0.0/0

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

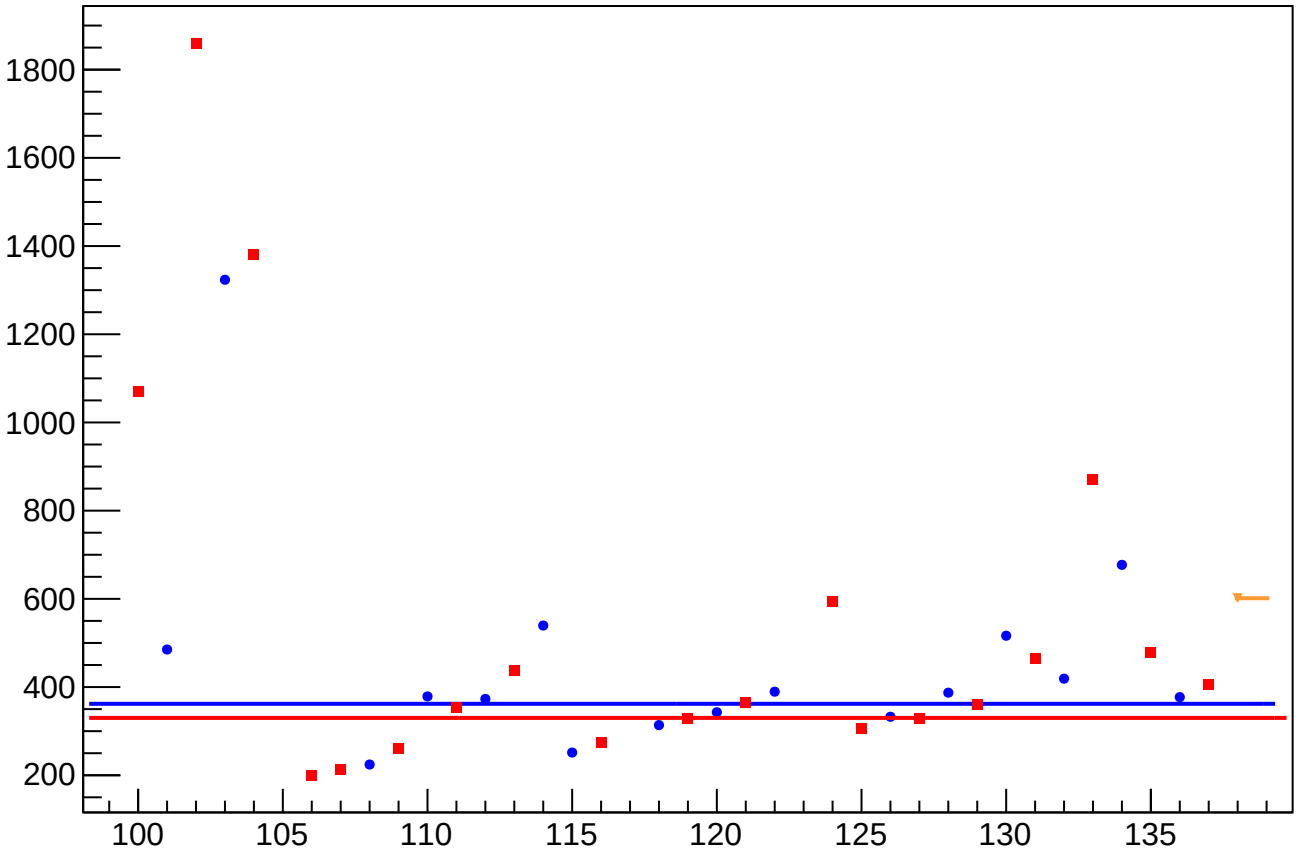
Left: 0.829+/-0.701 χ^2/NDF: 0.0/0

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.105+/-0.145 χ^2/NDF:9.7/15

Out: 0.211+/-0.135 χ^2/NDF:24.7/19

All: 0.064+/-0.099 χ^2/NDF: 36.9/35



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 601.429+/-0.495 χ^2/NDF:0.0/0

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

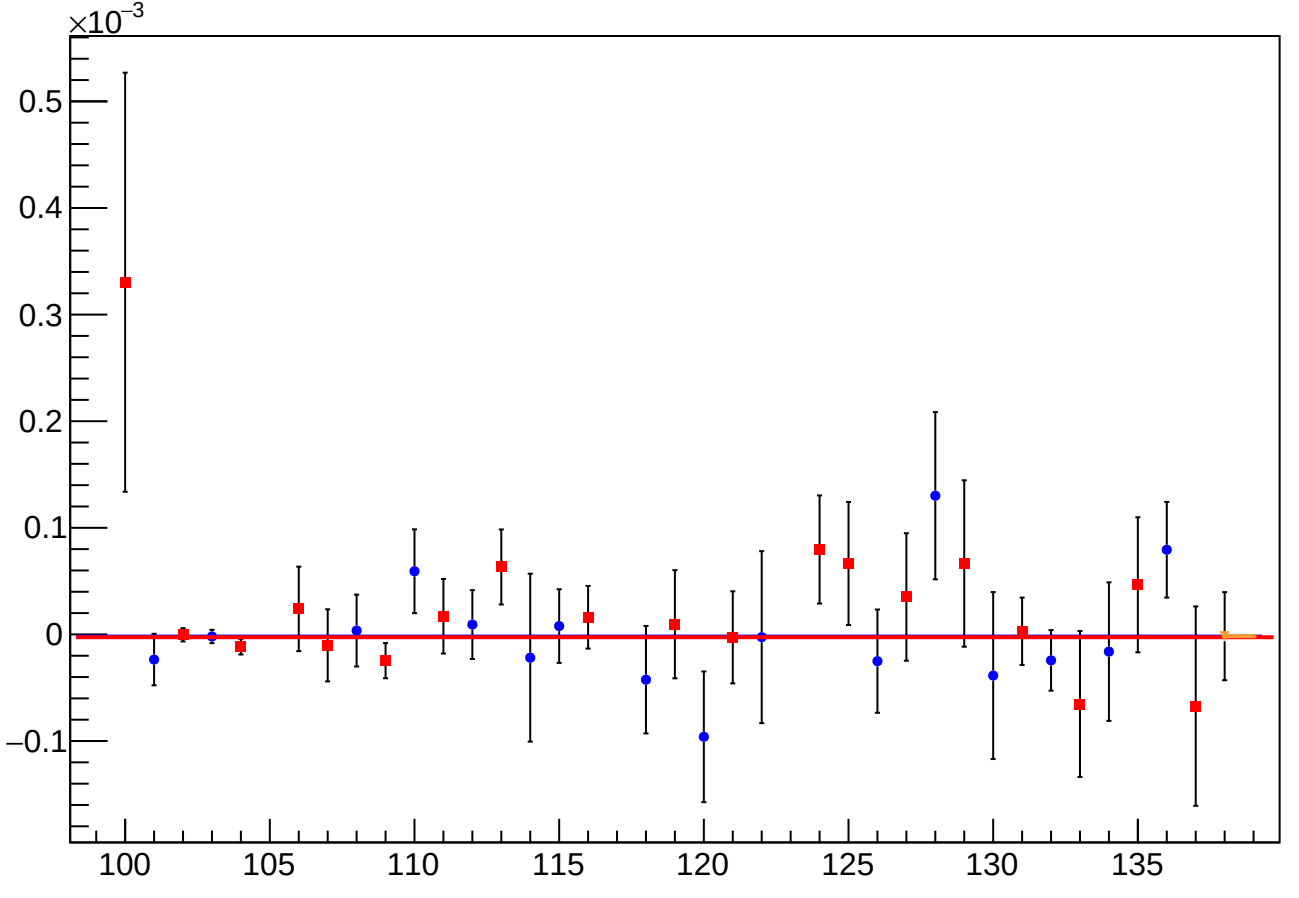
Left: 601.429+/-0.495 χ^2/NDF: 0.0/0

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 362.037+/-0.102 χ^2/NDF:1377330.2/15

Out: 340.132+/-0.095 χ^2/NDF:2535316.6/19

All: 350.314+/-0.070 χ^2/NDF: 3937179.4/35



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

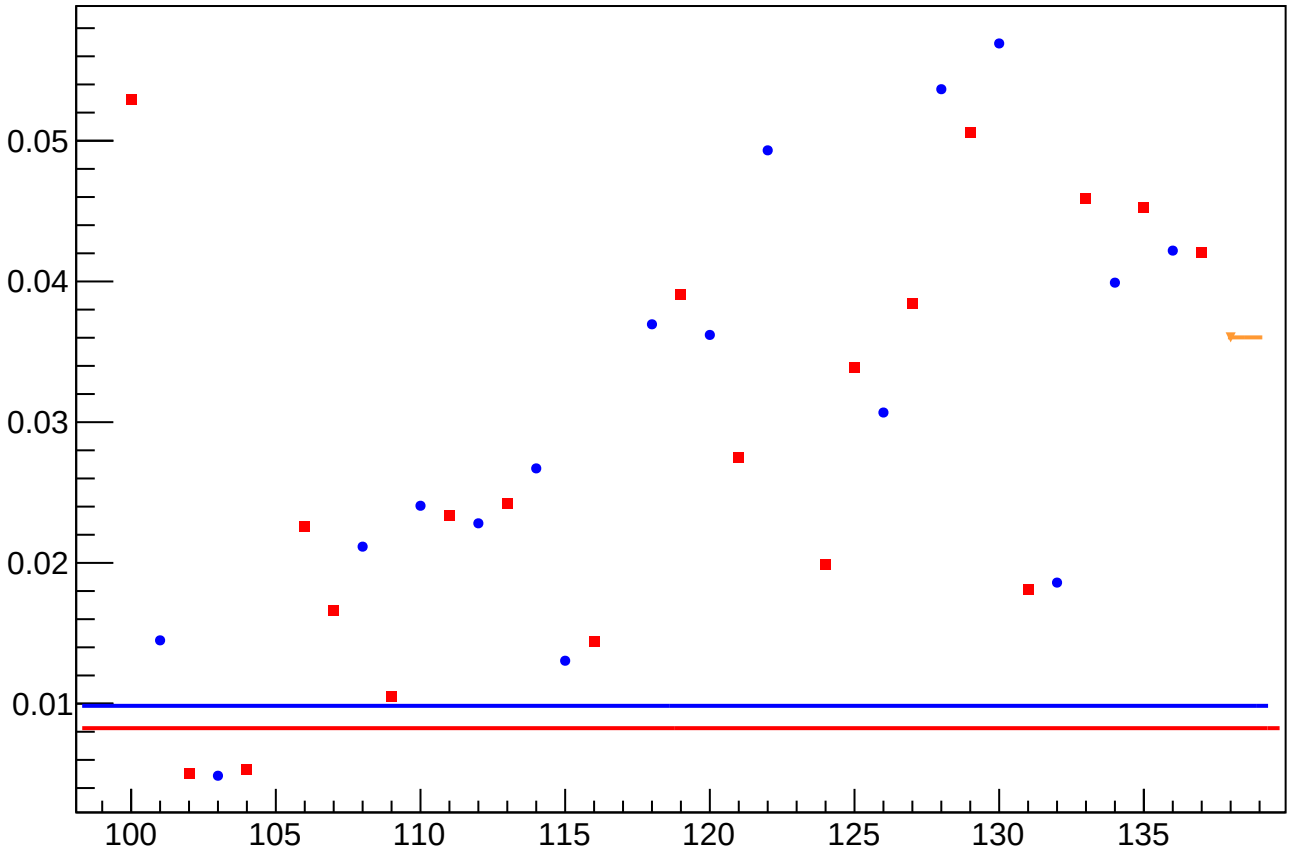
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:13.8/15

Out: -0.000+/-0.000 χ^2/NDF:18.2/19

All: -0.000+/-0.000 χ^2/NDF: 32.0/35



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.036+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

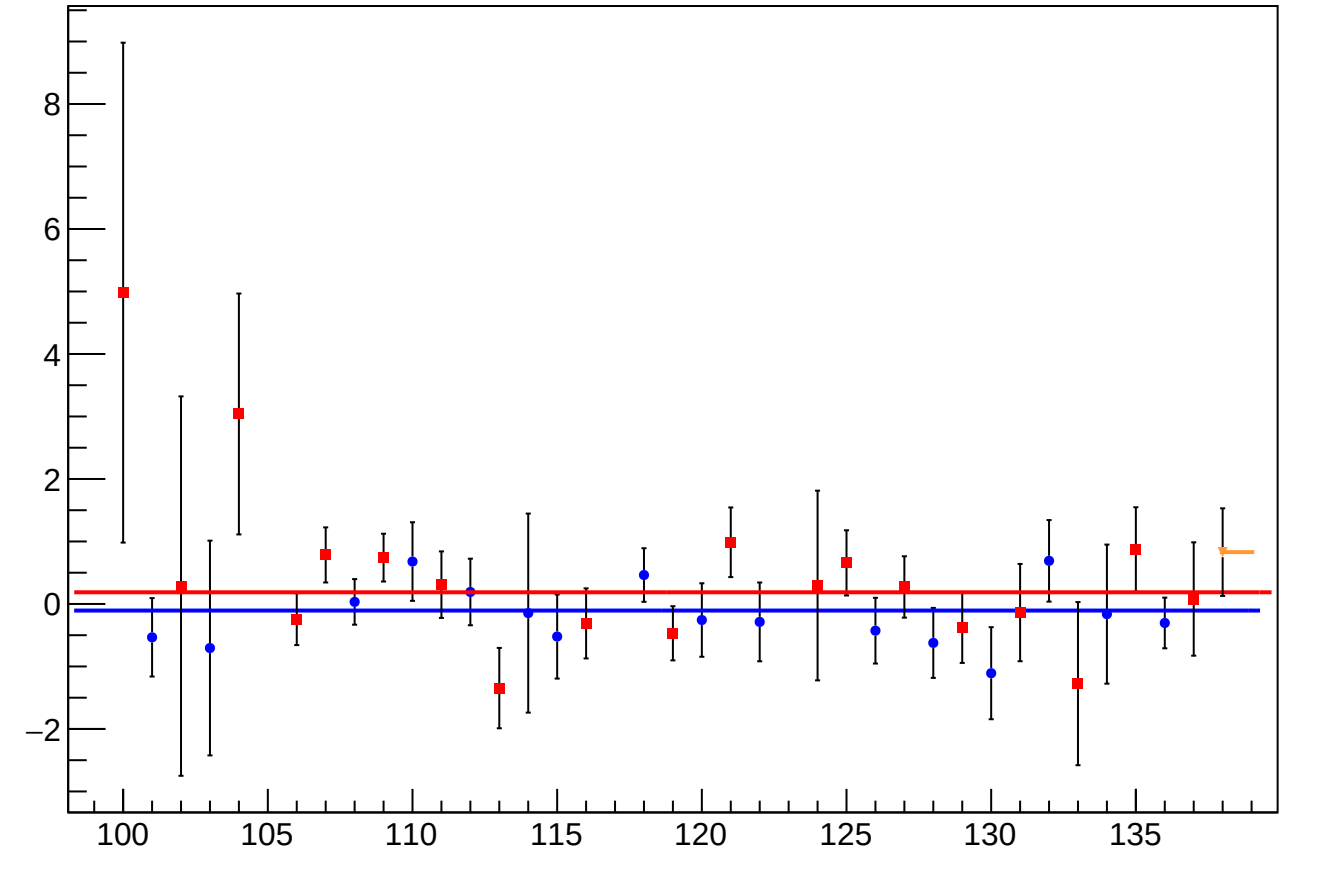
Left: 0.036+/-0.000 χ^2/NDF: 0.0/0

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.010+/-0.000 χ^2/NDF:7052383.3/15

Out: 0.009+/-0.000 χ^2/NDF:7635087.4/19

All: 0.009+/-0.000 χ^2/NDF: 14759410.1/35



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.829+/-0.701 χ^2/NDF:0.0/0

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

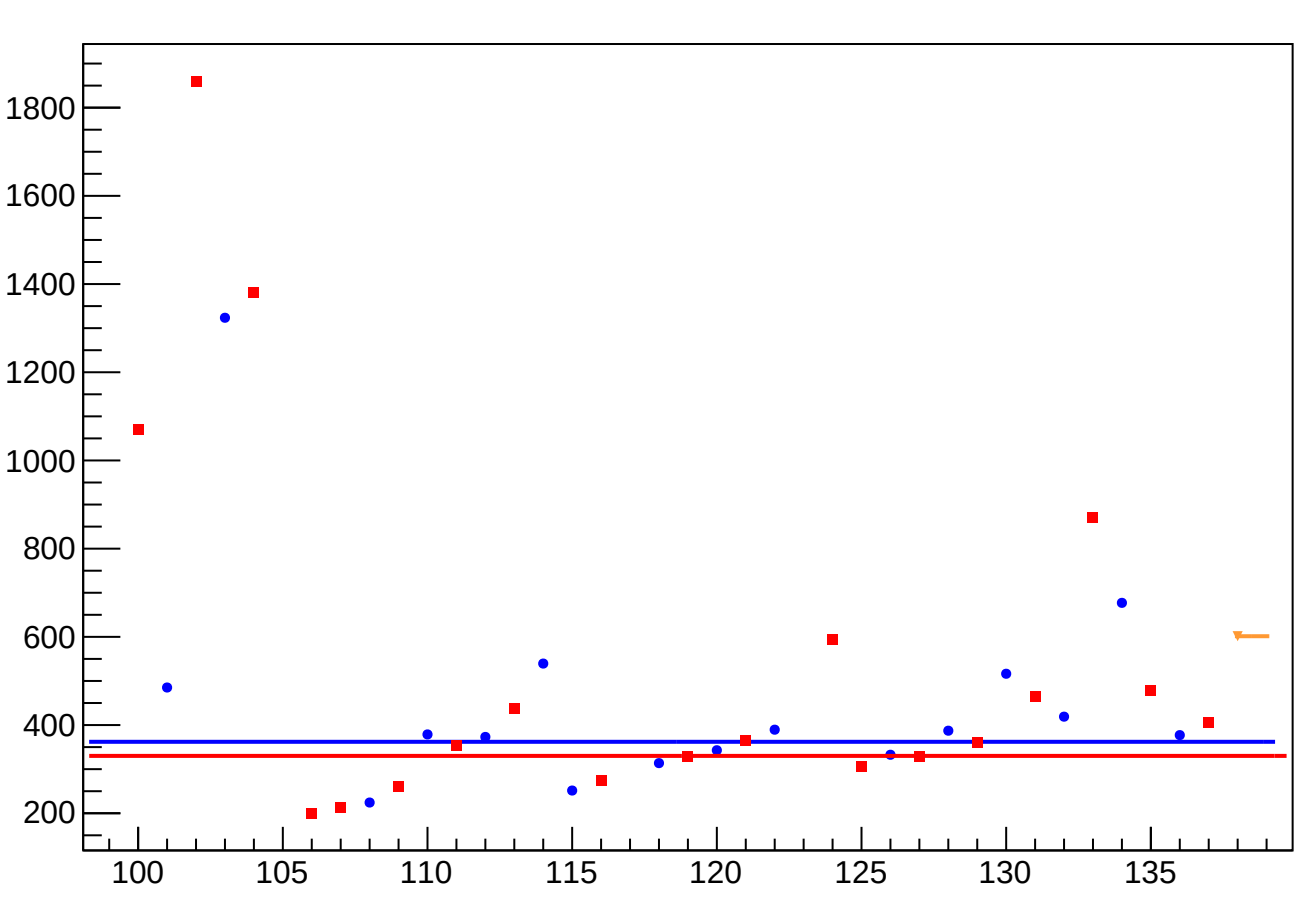
Left: 0.829+/-0.701 χ^2/NDF: 0.0/0

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.105+/-0.145 χ^2/NDF:9.7/15

Out: 0.211+/-0.135 χ^2/NDF:24.7/19

All: 0.064+/-0.099 χ^2/NDF: 36.9/35



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 601.439+/-0.495 χ^2/NDF:0.0/0

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 601.439+/-0.495 χ^2/NDF: 0.0/0

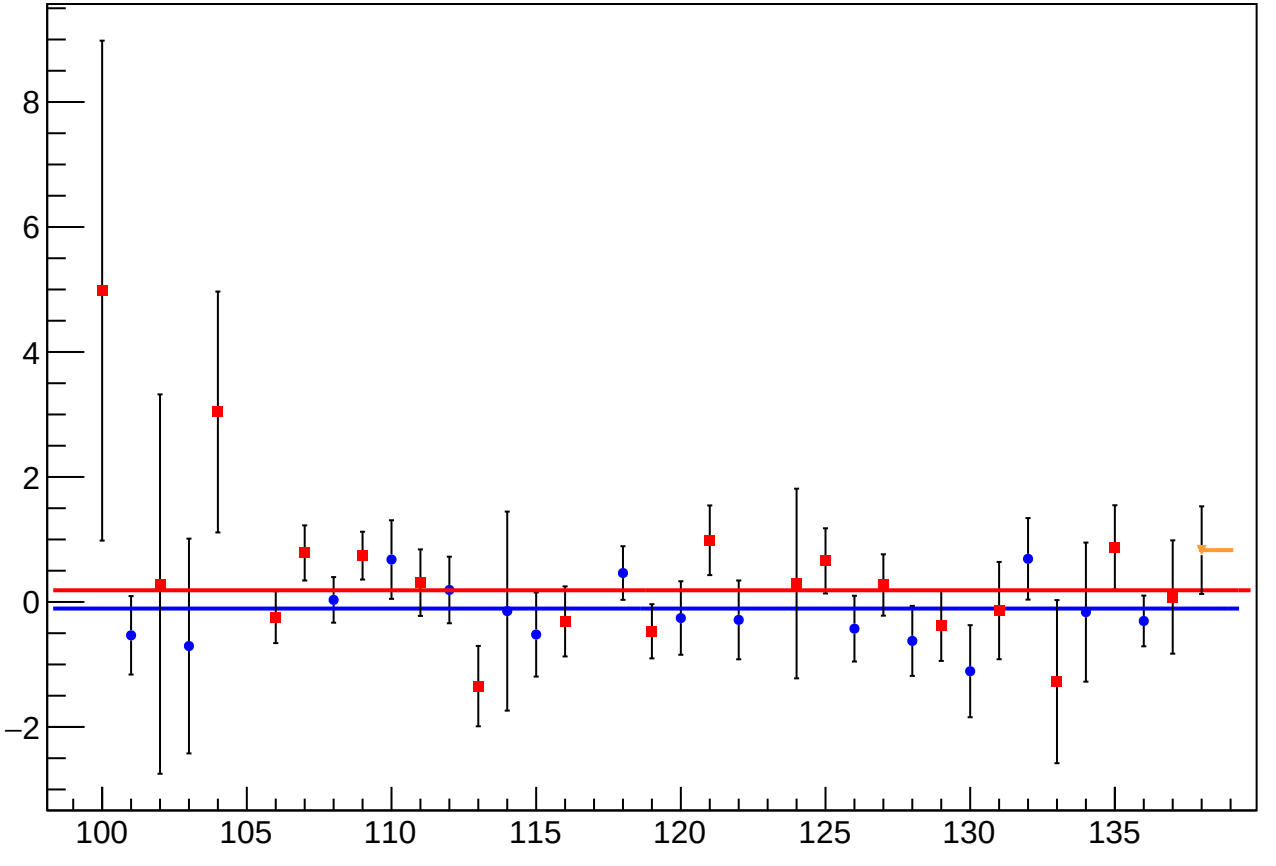
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 362.034+/-0.102 χ^2/NDF:1377333.3/15

Out: 340.131+/-0.095 χ^2/NDF:2535323.6/19

All: 350.312+/-0.070 χ^2/NDF: 3937186.7/35

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.829+/-0.701 χ^2/NDF:0.0/0

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

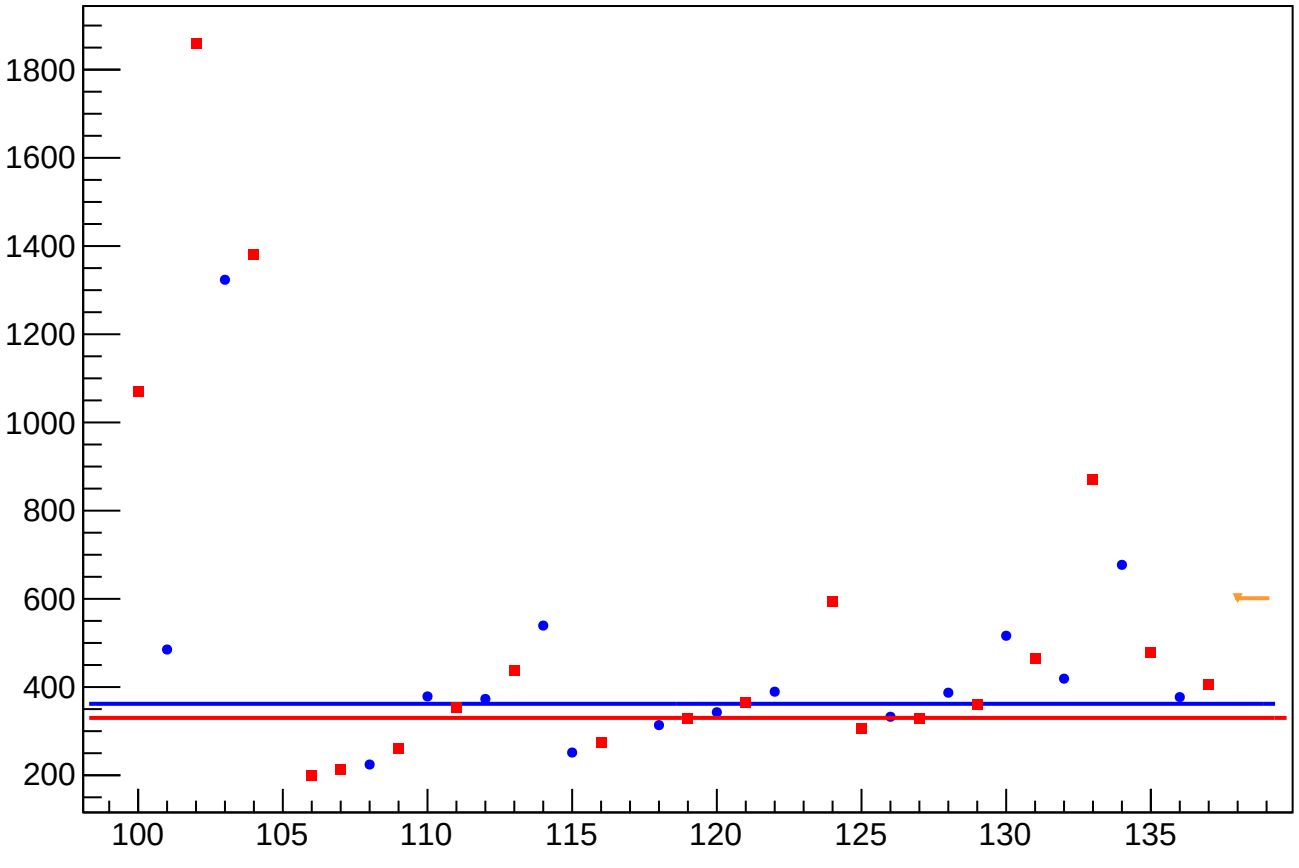
Left: 0.829+/-0.701 χ^2/NDF: 0.0/0

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.105+/-0.145 χ^2/NDF:9.7/15

Out: 0.211+/-0.135 χ^2/NDF:24.7/19

All: 0.064+/-0.099 χ^2/NDF: 36.9/35



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 601.439+/-0.495 χ^2/NDF:0.0/0

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

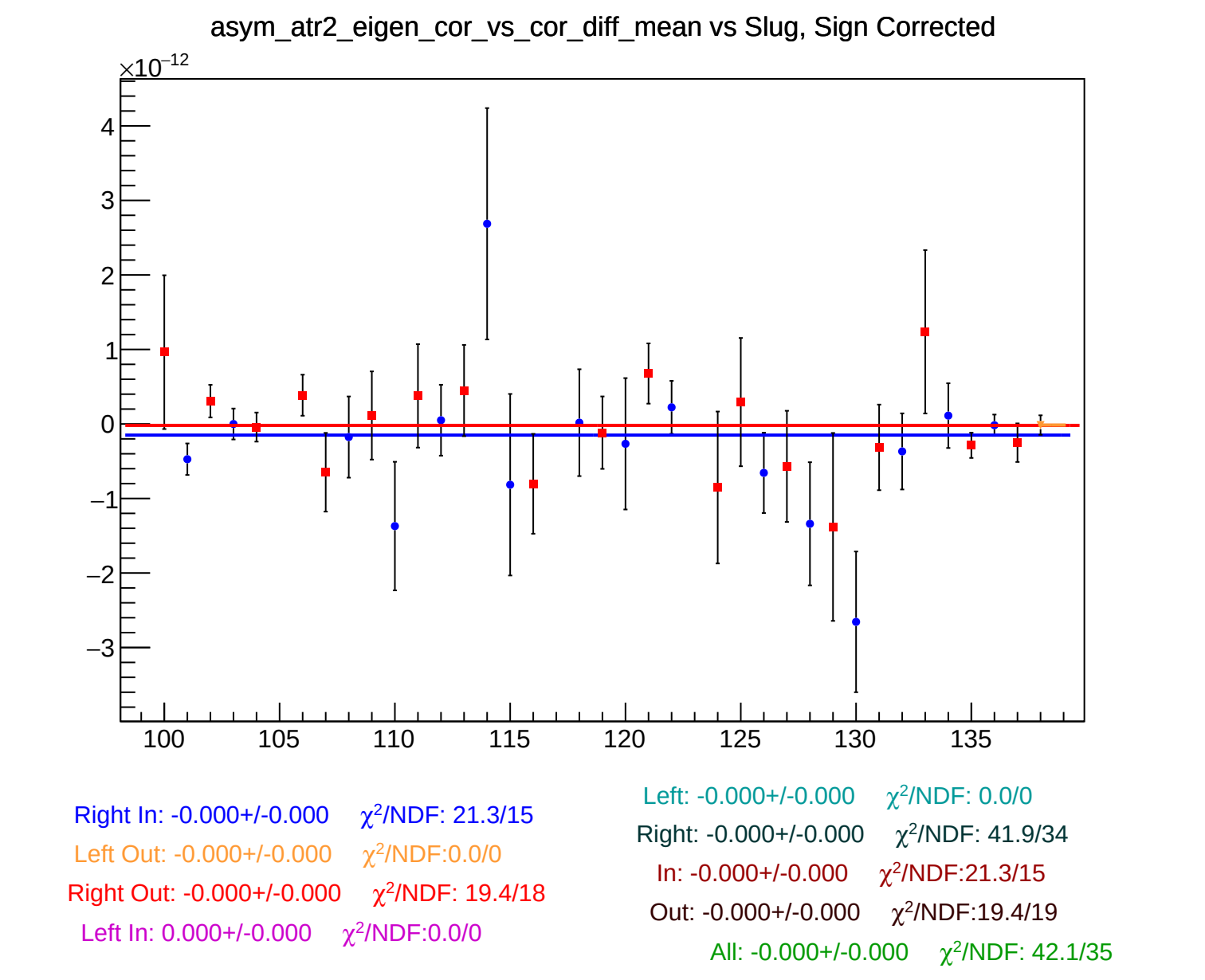
Left: 601.439+/-0.495 χ^2/NDF: 0.0/0

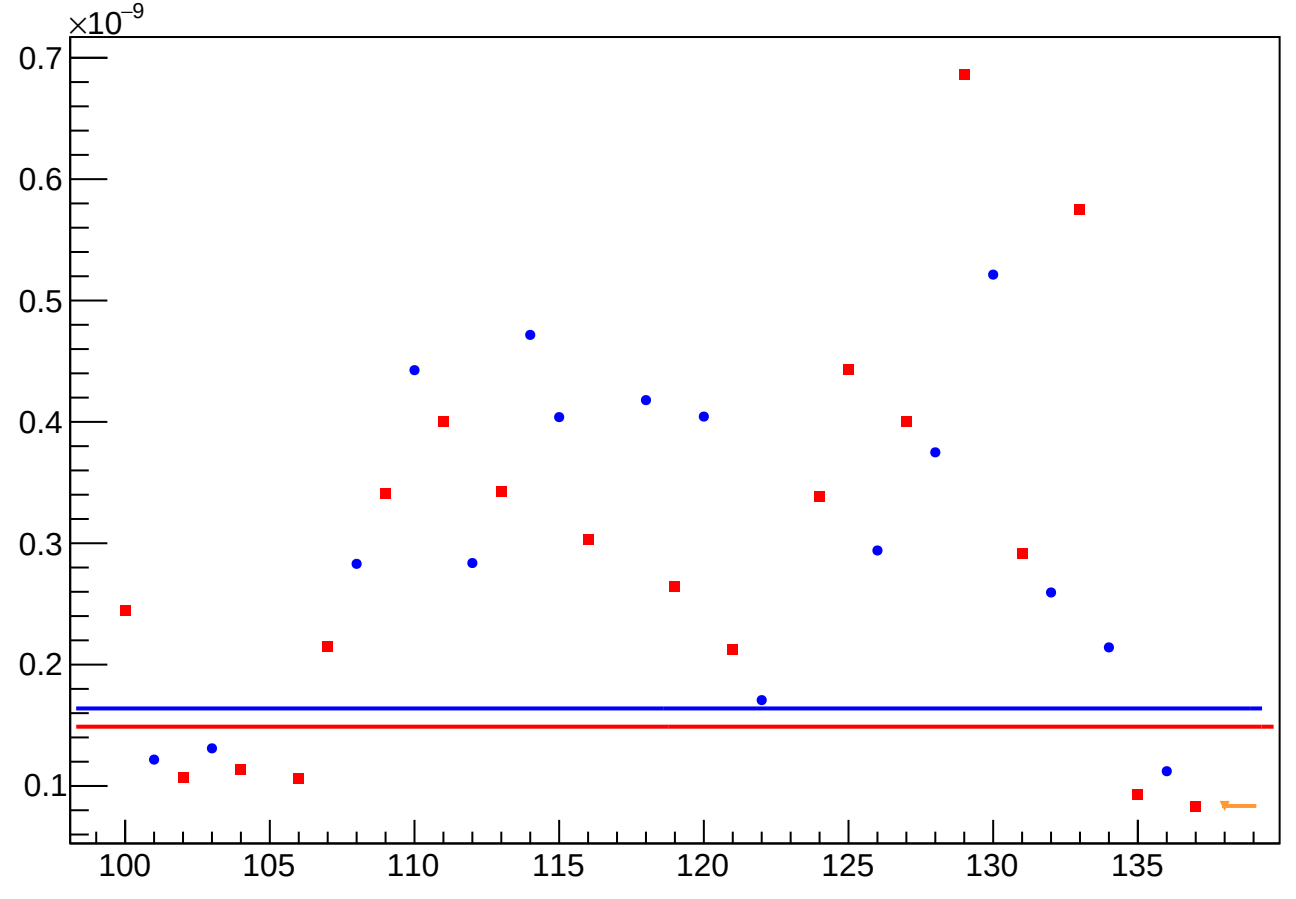
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 362.034+/-0.102 χ^2/NDF:1377333.3/15

Out: 340.131+/-0.095 χ^2/NDF:2535323.6/19

All: 350.312+/-0.070 χ^2/NDF: 3937186.7/35


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
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: -0.000+/-0.000 χ²/NDF:0.0/0
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: 0.0/0
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:21.3/15
Out: -0.000+/-0.000 χ²/NDF:19.4/19
All: -0.000+/-0.000 χ²/NDF: 42.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

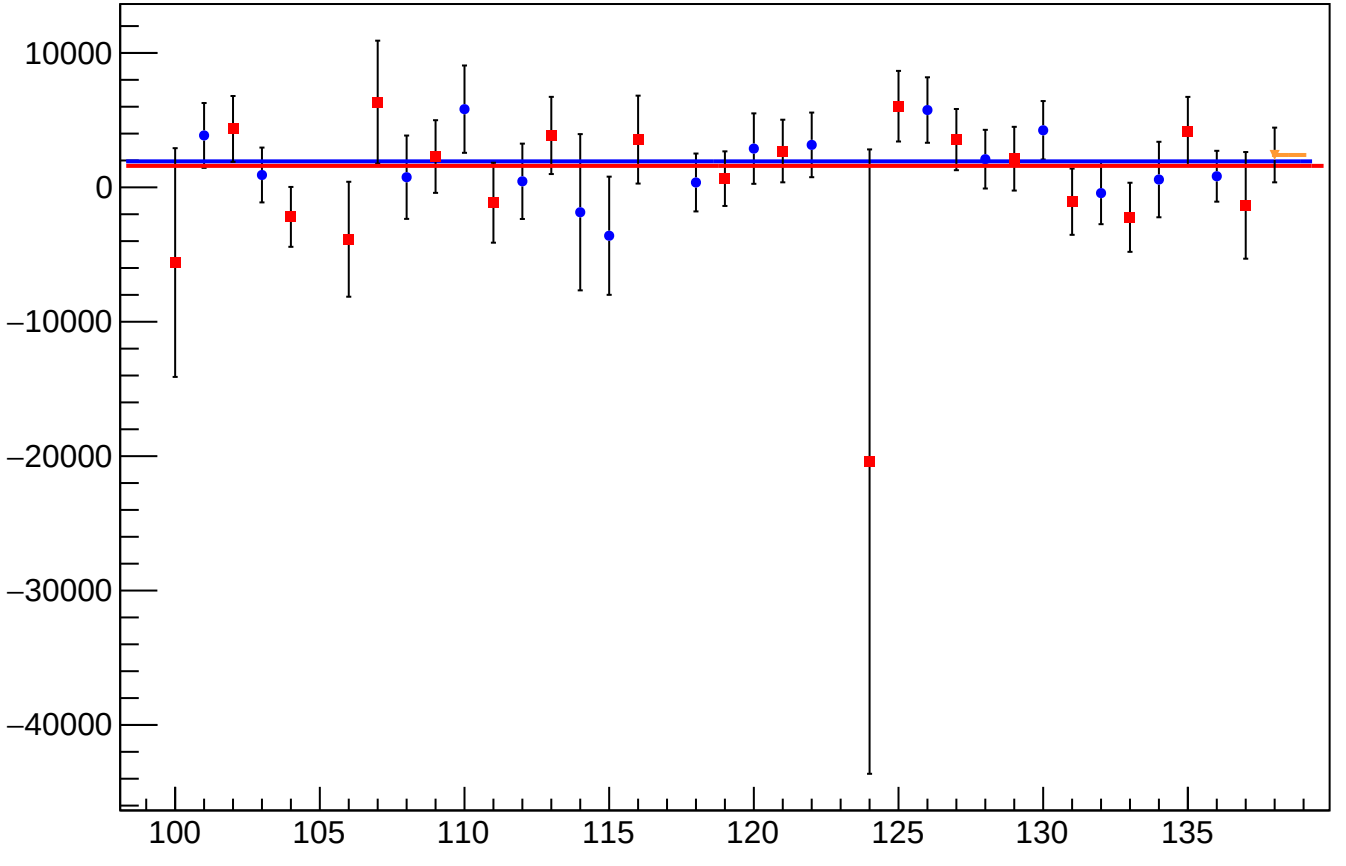
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:2011207.8/15

Out: 0.000+/-0.000 χ^2/NDF:3200773.6/19

All: 0.000+/-0.000 χ^2/NDF: 5395400.2/35

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2408.670+/-2035.473 χ^2/NDF:0.0/0

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2408.670+/-2035.473 χ^2/NDF: 0.0/0

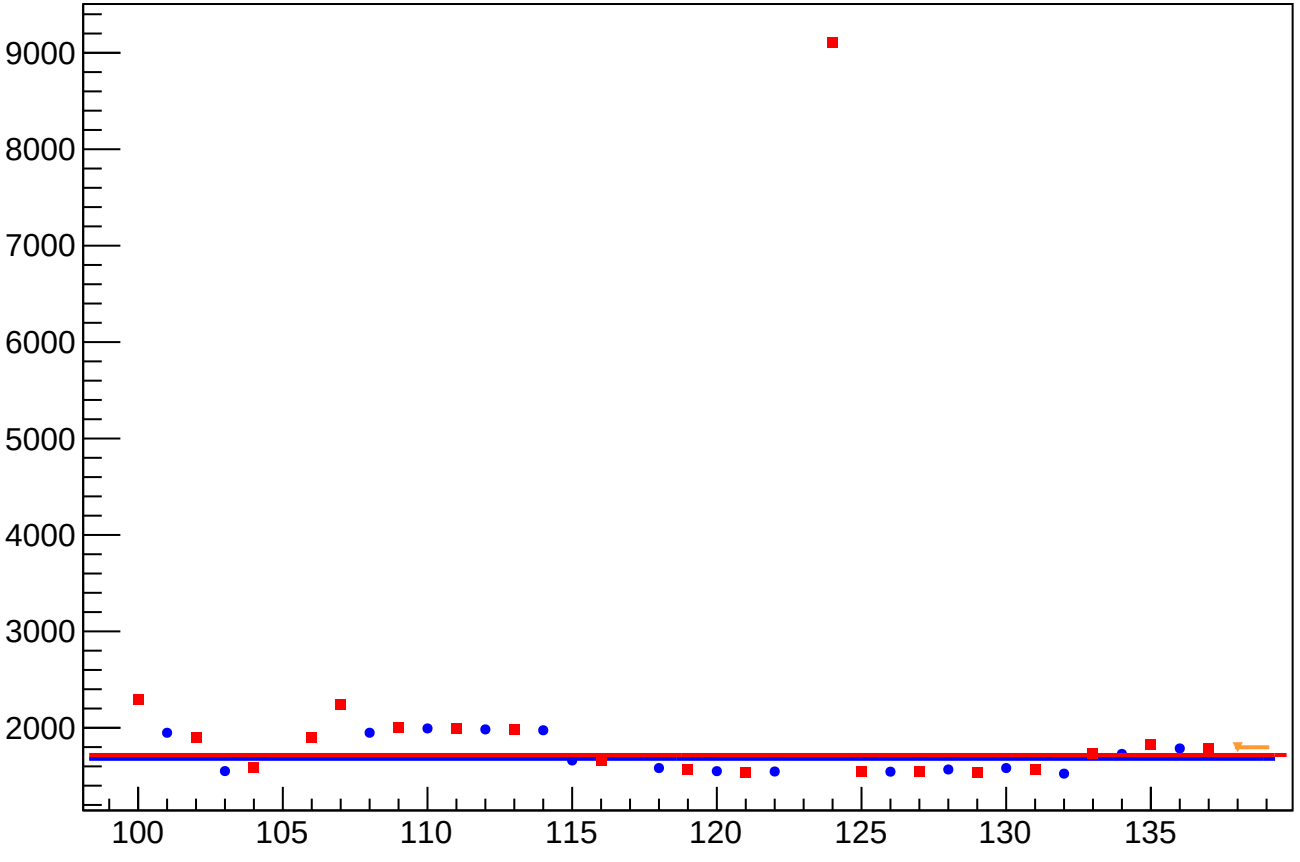
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 1934.755+/-627.874 χ^2/NDF:10.9/15

Out: 1671.355+/-612.447 χ^2/NDF:19.5/19

All: 1799.779+/-438.418 χ^2/NDF: 30.5/35

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1798.117+/-1.439 χ^2/NDF:0.0/0

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

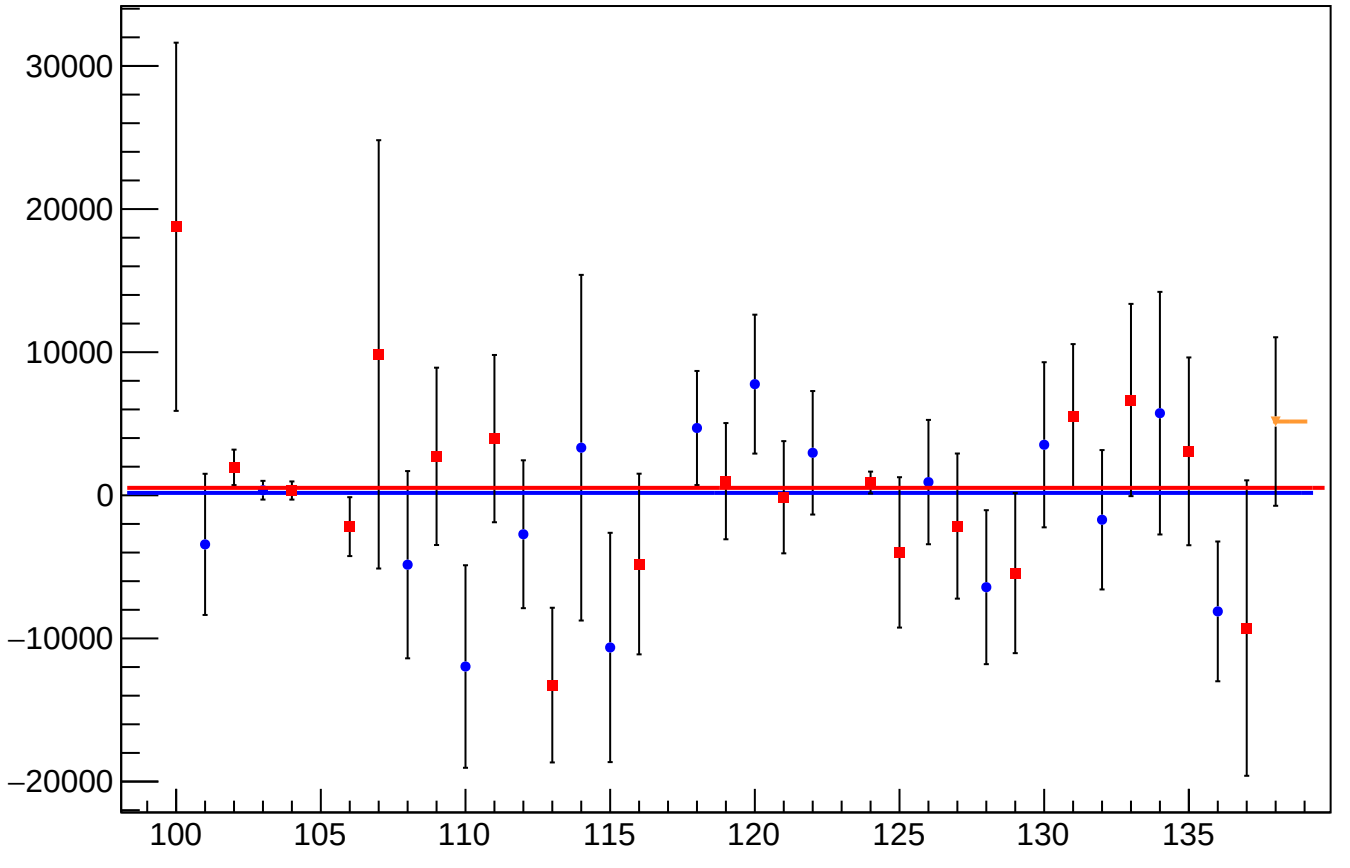
Left: 1798.117+/-1.439 χ^2/NDF: 0.0/0

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1678.543+/-0.444 χ^2/NDF:141482.6/15

Out: 1725.475+/-0.431 χ^2/NDF:385977.8/19

All: 1702.694+/-0.309 χ^2/NDF: 533210.7/35



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: 5155.886+/-5887.664 χ^2/NDF:0.0/0

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

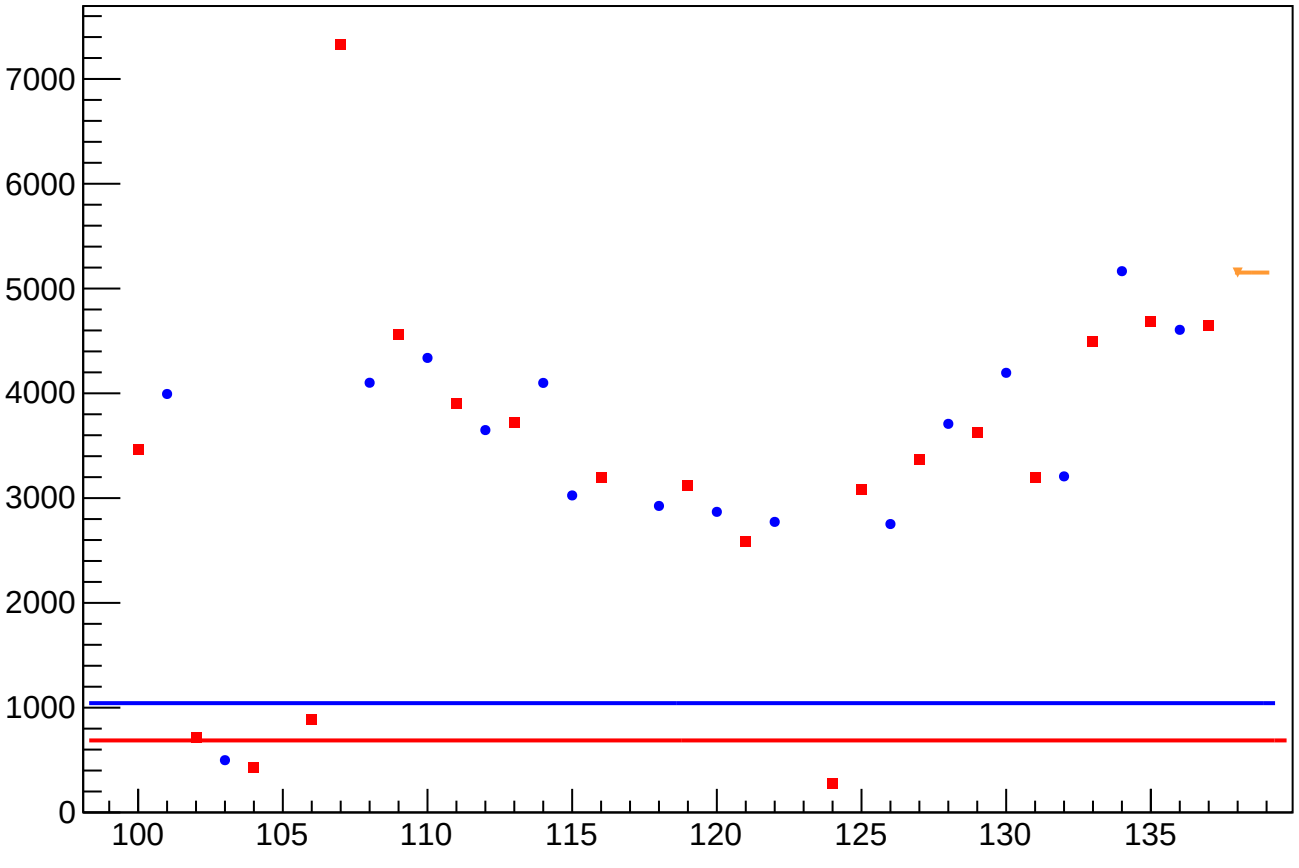
Left: 5155.886+/-5887.664 χ^2/NDF: 0.0/0

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 168.283+/-591.607 χ^2/NDF:15.8/15

Out: 545.081+/-423.681 χ^2/NDF:19.2/19

All: 417.344+/-344.459 χ^2/NDF: 35.3/35



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 5152.551+/-4.163 χ^2/NDF:0.0/0

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

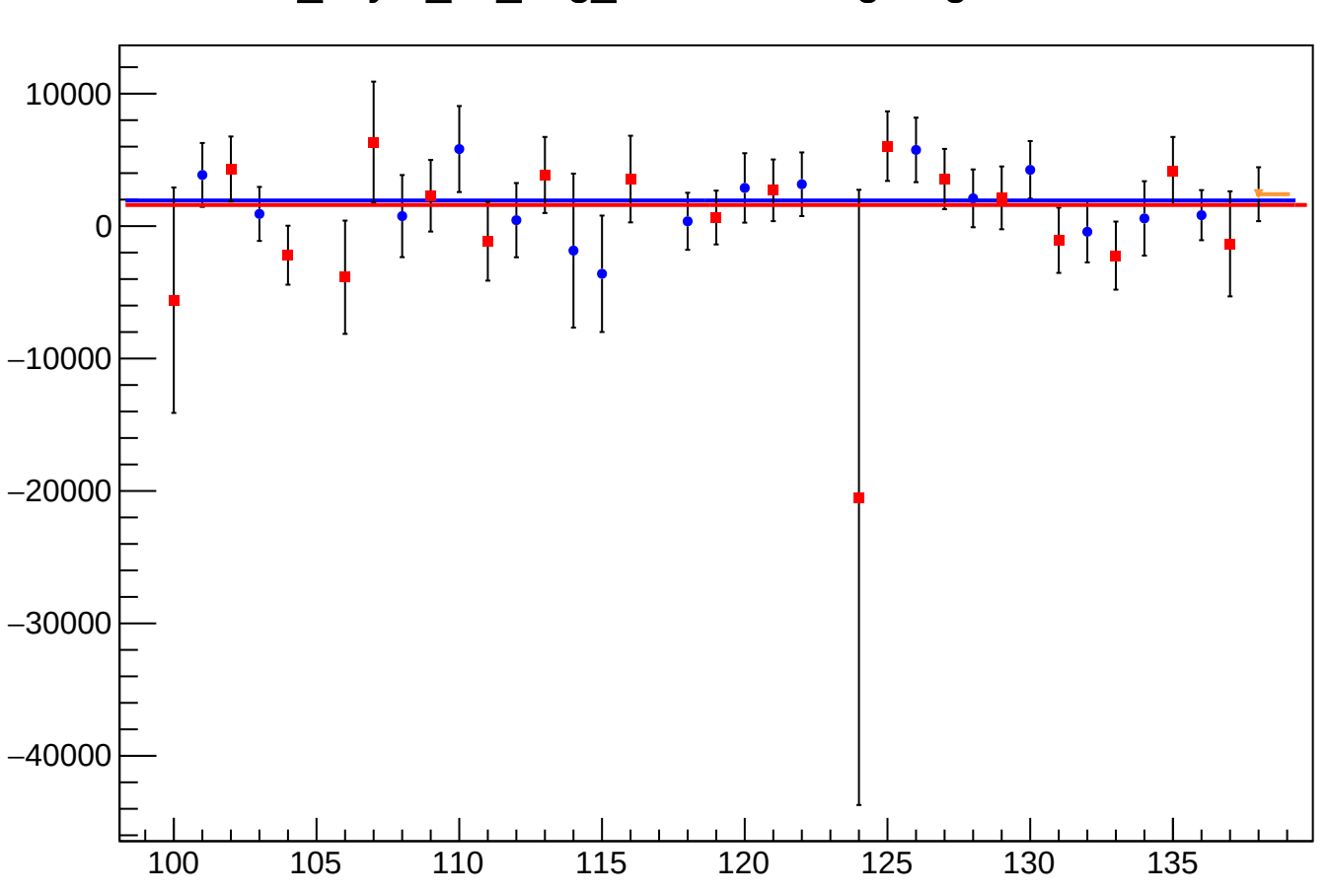
Left: 5152.551+/-4.163 χ^2/NDF: 0.0/0

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1043.117+/-0.418 χ^2/NDF:8111897.6/15

Out: 710.452+/-0.300 χ^2/NDF:9775922.8/19

All: 823.228+/-0.244 χ^2/NDF: 18305819.1/35



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2408.807+/-2035.473 χ^2/NDF:0.0/0

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2408.807+/-2035.473 χ^2/NDF: 0.0/0

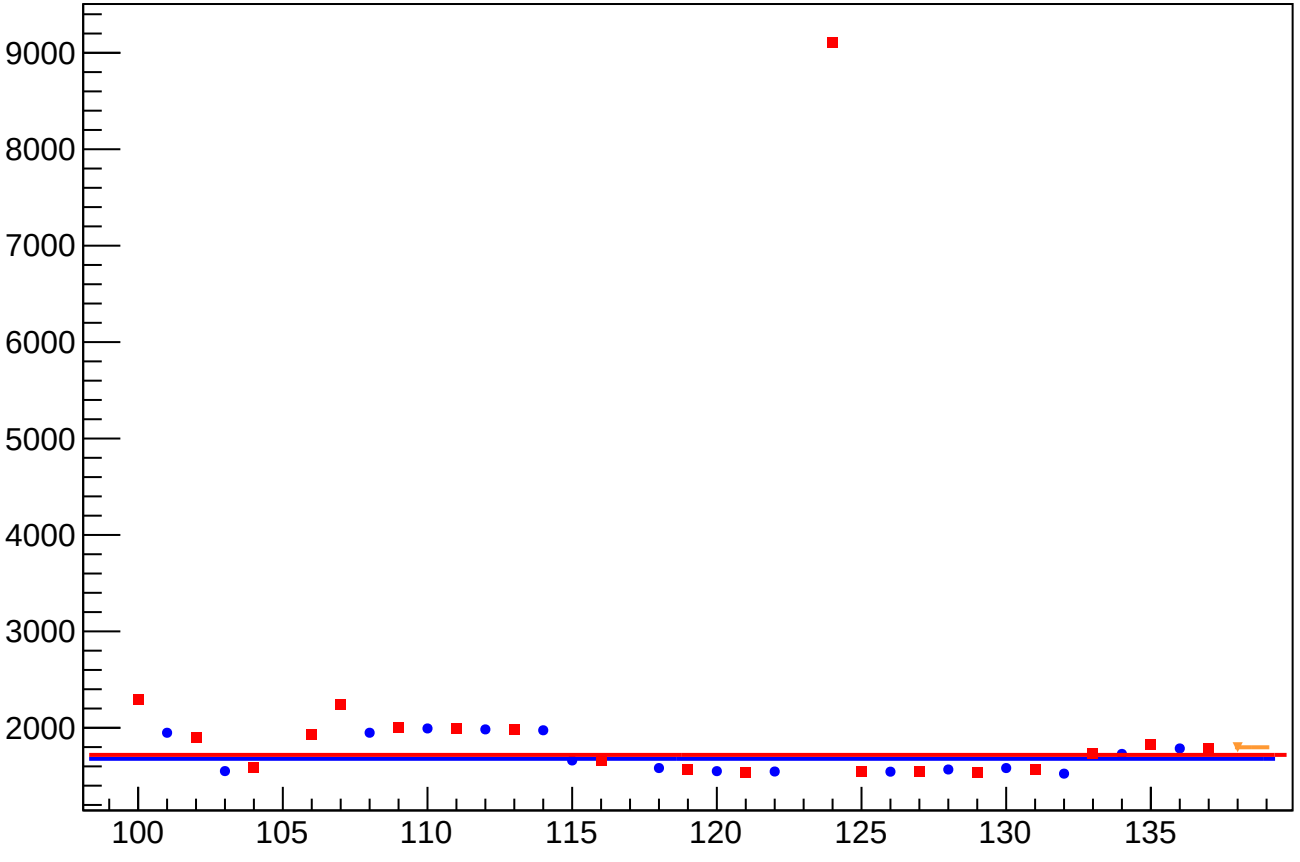
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1934.871+/-627.874 χ^2/NDF:10.9/15

Out: 1669.151+/-612.451 χ^2/NDF:19.5/19

All: 1798.707+/-438.420 χ^2/NDF: 30.5/35

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1798.117+/-1.439 χ^2/NDF:0.0/0

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

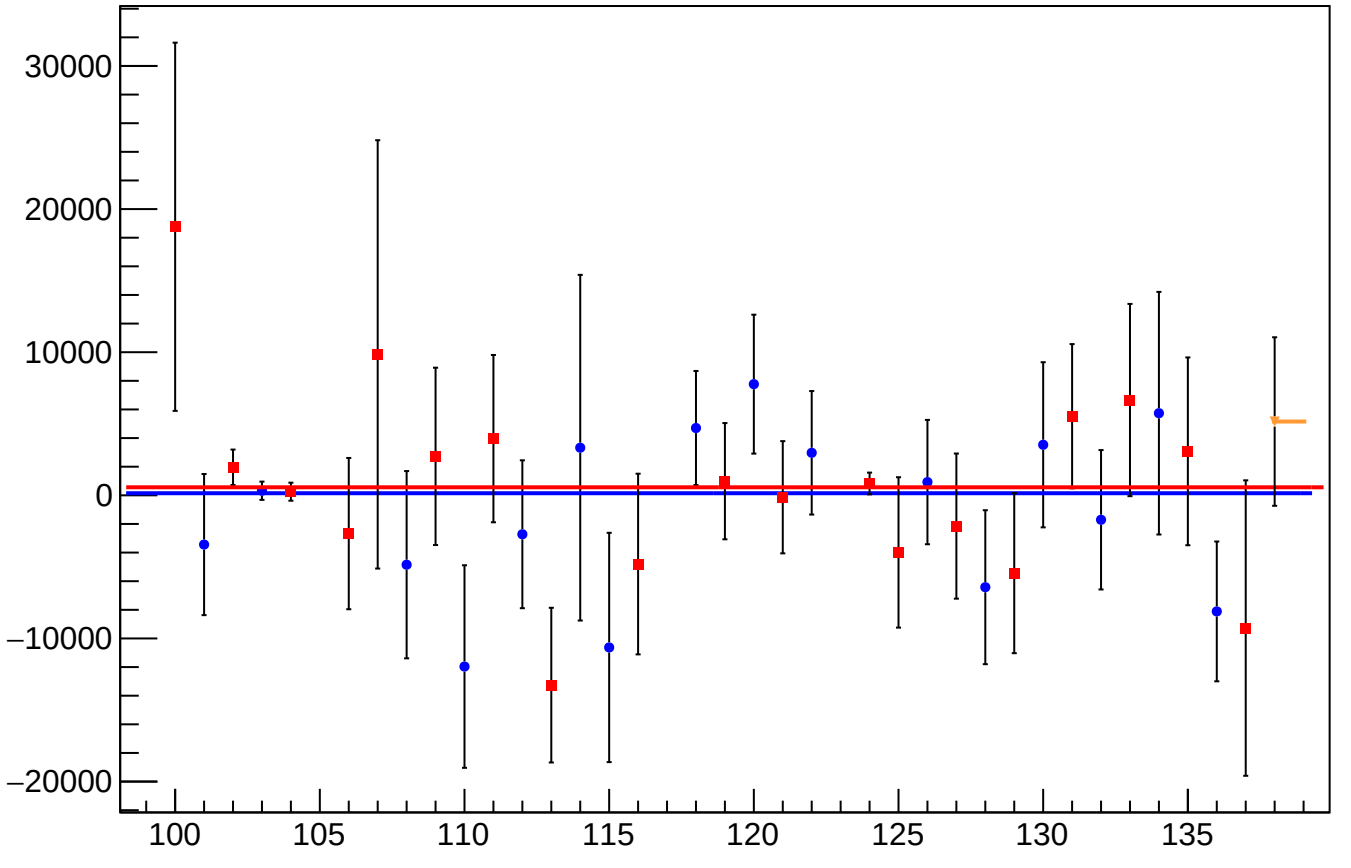
Left: 1798.117+/-1.439 χ^2/NDF: 0.0/0

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1678.543+/-0.444 χ^2/NDF:141482.7/15

Out: 1726.241+/-0.431 χ^2/NDF:387662.4/19

All: 1703.077+/-0.309 χ^2/NDF: 535082.0/35



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: 5156.176+/-5887.674 χ^2/NDF:0.0/0

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

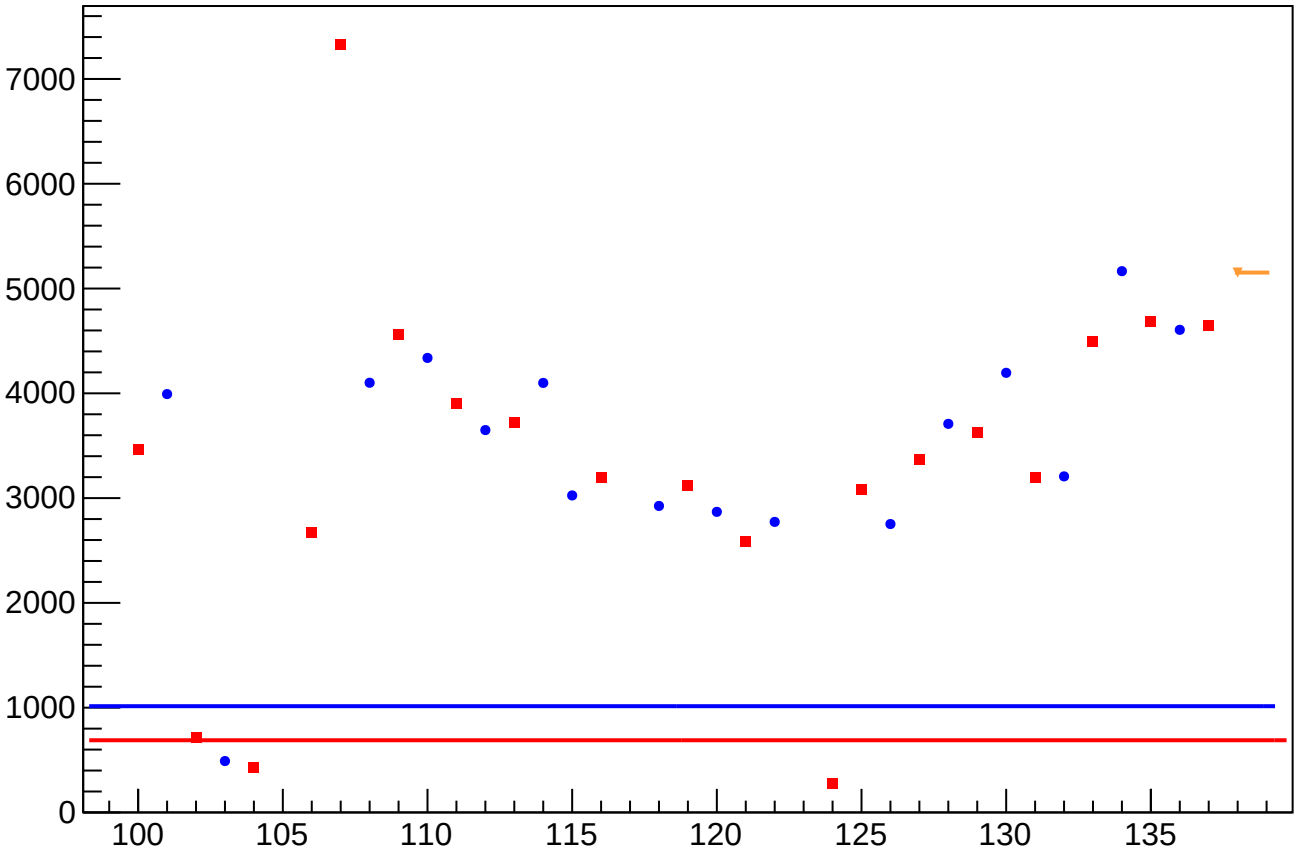
Left: 5156.176+/-5887.674 χ^2/NDF: 0.0/0

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 146.548+/-579.356 χ^2/NDF:15.8/15

Out: 585.903+/-429.474 χ^2/NDF:17.8/19

All: 430.090+/-345.015 χ^2/NDF: 34.0/35



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 5152.561+/-4.163 χ^2/NDF:0.0/0

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

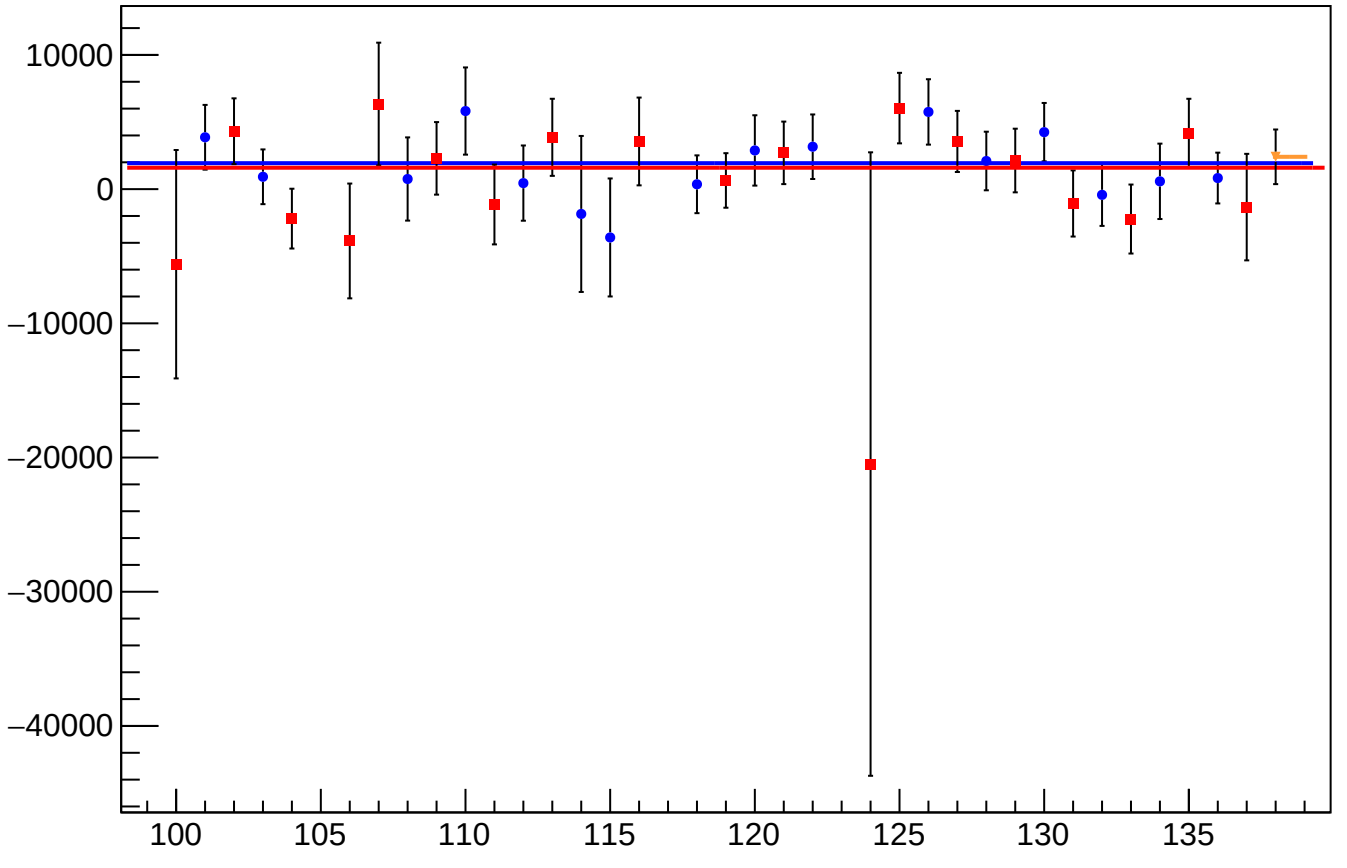
Left: 5152.561+/-4.163 χ^2/NDF: 0.0/0

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1014.094+/-0.410 χ^2/NDF:8223017.6/15

Out: 712.805+/-0.304 χ^2/NDF:10053711.1/19

All: 819.654+/-0.244 χ^2/NDF: 18625797.5/35



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2408.807+/-2035.473 χ^2/NDF:0.0/0

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2408.807+/-2035.473 χ^2/NDF: 0.0/0

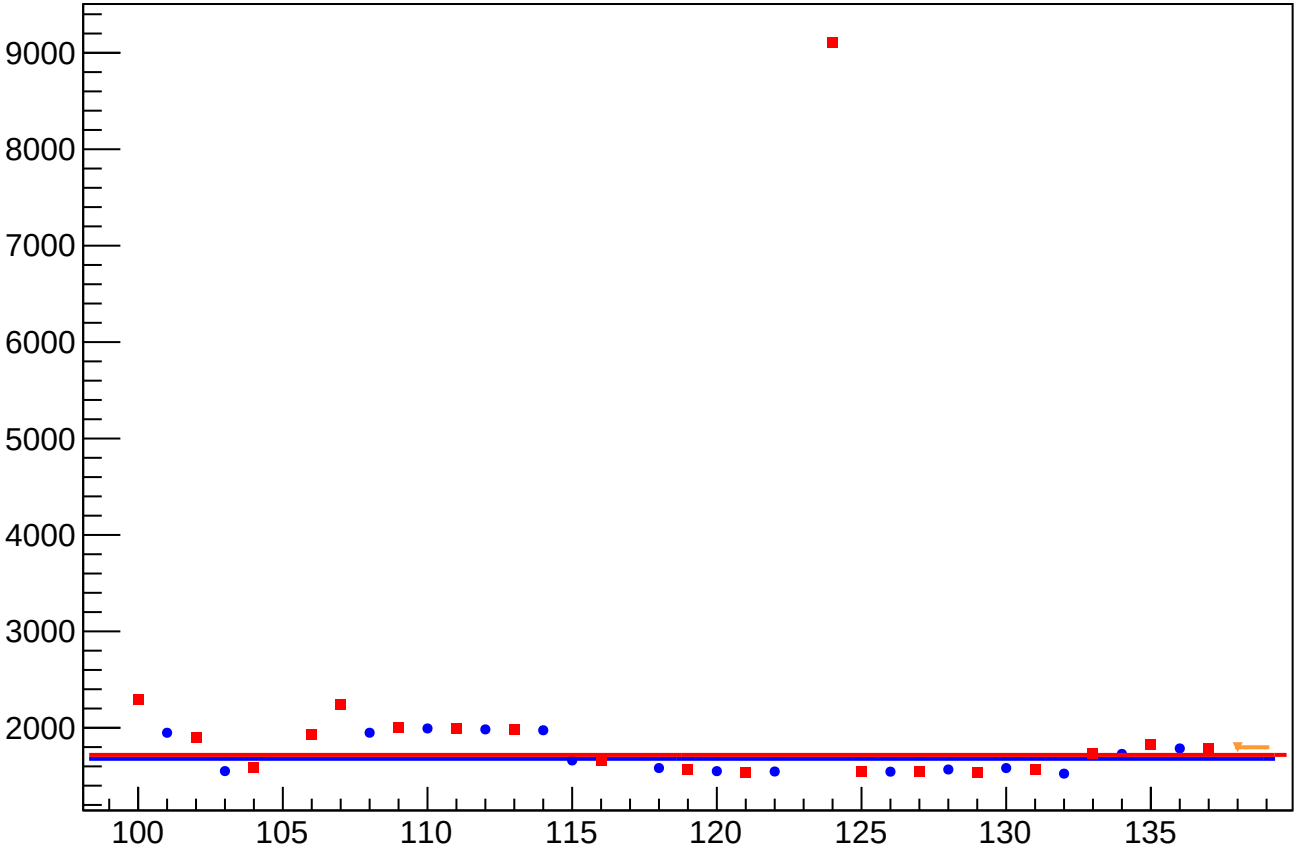
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1934.871+/-627.874 χ^2/NDF:10.9/15

Out: 1669.151+/-612.451 χ^2/NDF:19.5/19

All: 1798.707+/-438.420 χ^2/NDF: 30.5/35

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1798.117+/-1.439 χ^2/NDF:0.0/0

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

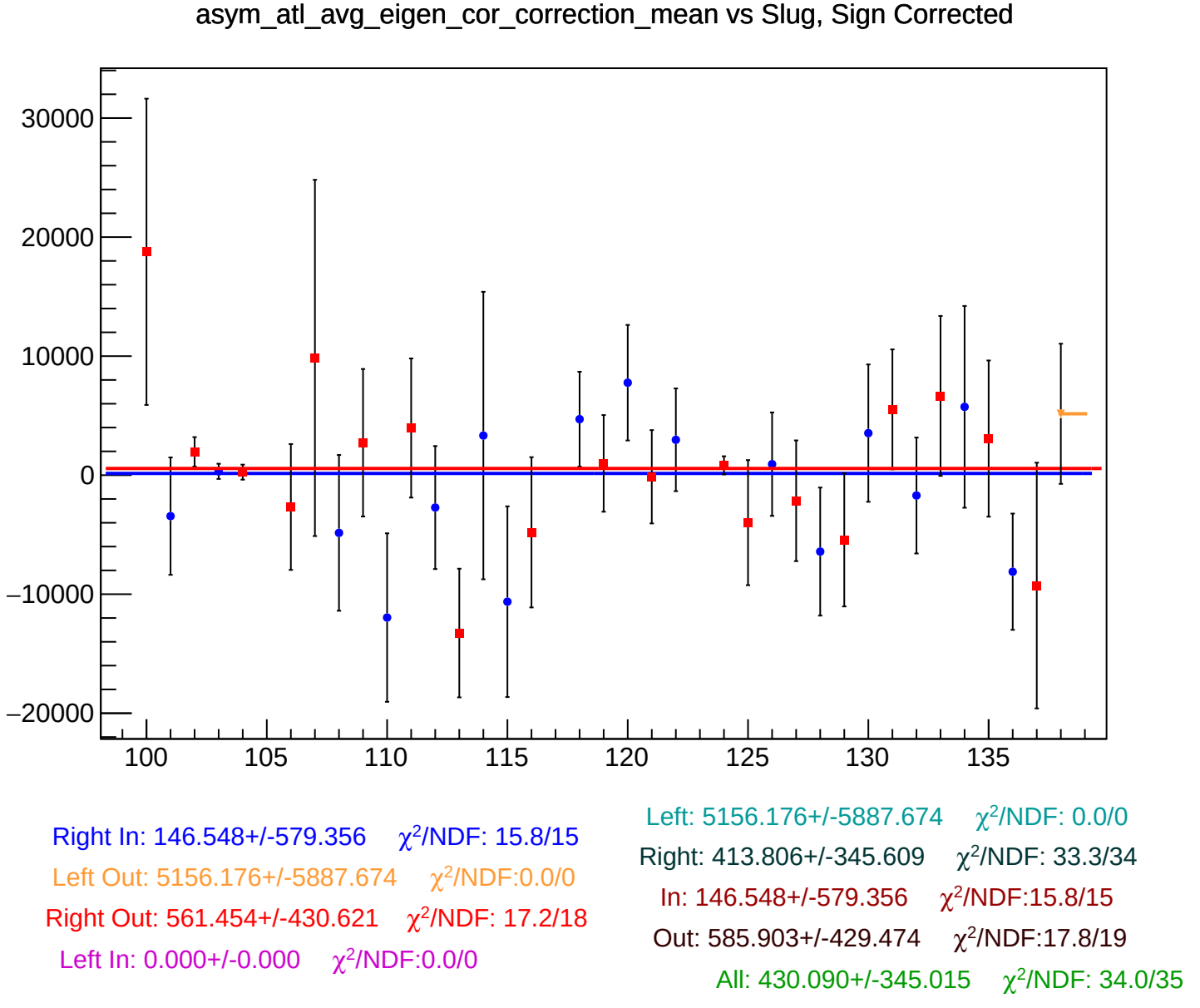
Left: 1798.117+/-1.439 χ^2/NDF: 0.0/0

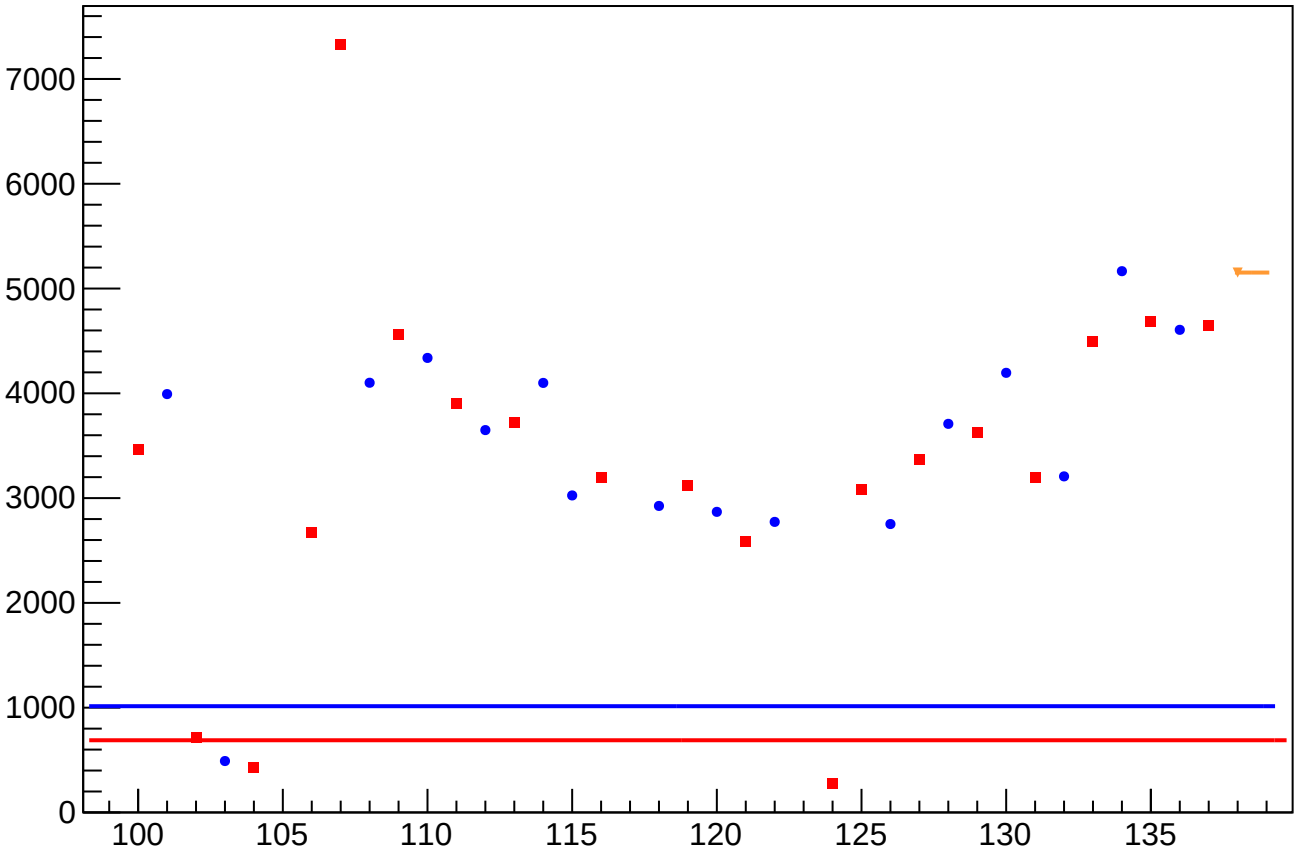
Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1678.543+/-0.444 χ^2/NDF:141482.7/15

Out: 1726.241+/-0.431 χ^2/NDF:387662.4/19

All: 1703.077+/-0.309 χ^2/NDF: 535082.0/35


asym_atl_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
Right In: 146.548+/-579.356 χ²/NDF: 15.8/15
Left Out: 5156.176+/-5887.674 χ²/NDF:0.0/0
Right Out: 561.454+/-430.621 χ²/NDF: 17.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 5156.176+/-5887.674 χ²/NDF: 0.0/0
Right: 413.806+/-345.609 χ²/NDF: 33.3/34
In: 146.548+/-579.356 χ²/NDF:15.8/15
Out: 585.903+/-429.474 χ²/NDF:17.8/19
All: 430.090+/-345.015 χ²/NDF: 34.0/35



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 5152.561+/-4.163 χ^2/NDF:0.0/0

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 5152.561+/-4.163 χ^2/NDF: 0.0/0

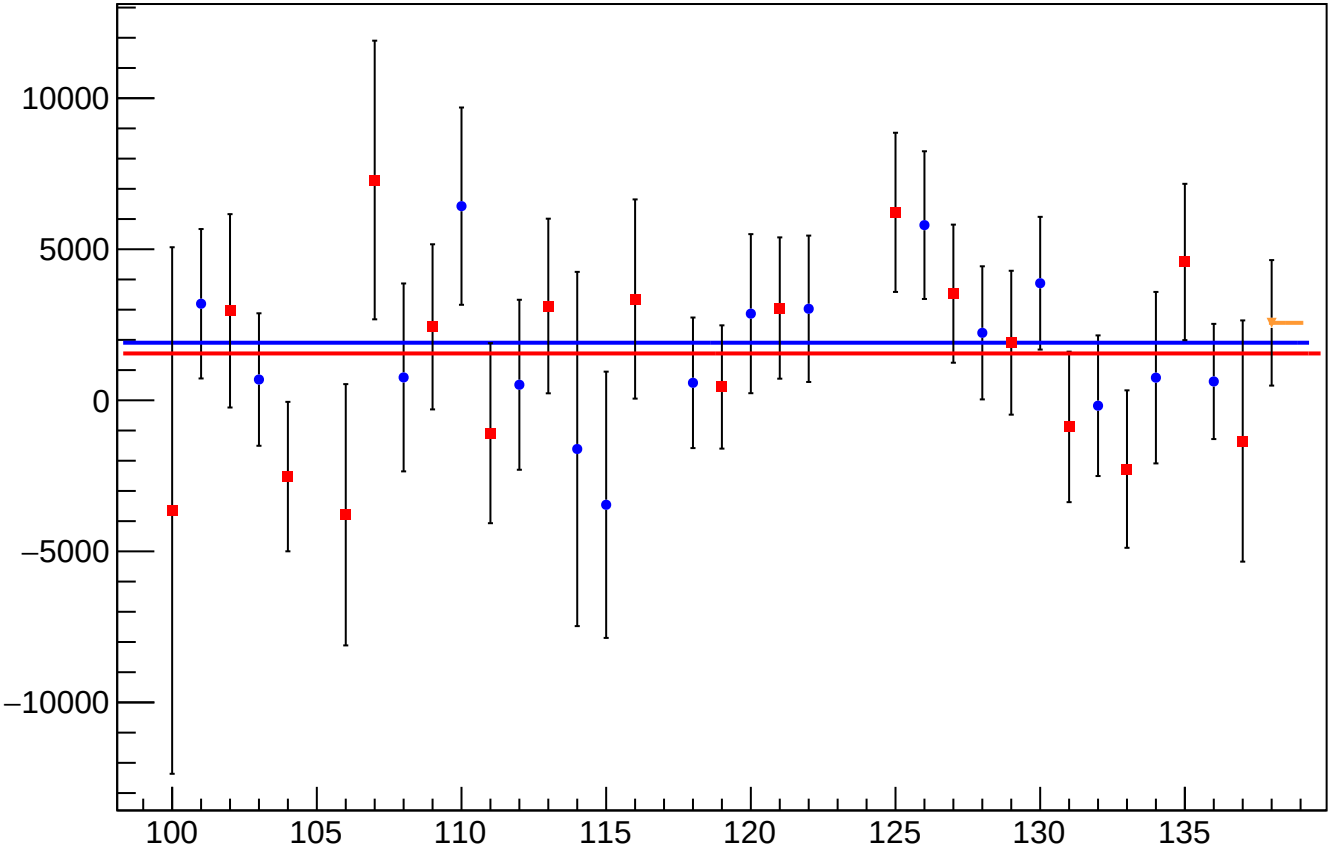
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1014.094+/-0.410 χ^2/NDF:8223017.6/15

Out: 712.805+/-0.304 χ^2/NDF:10053711.1/19

All: 819.654+/-0.244 χ^2/NDF: 18625797.5/35

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 2564.188+/-2077.312 χ^2/NDF:0.0/0

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2564.188+/-2077.312 χ^2/NDF: 0.0/0

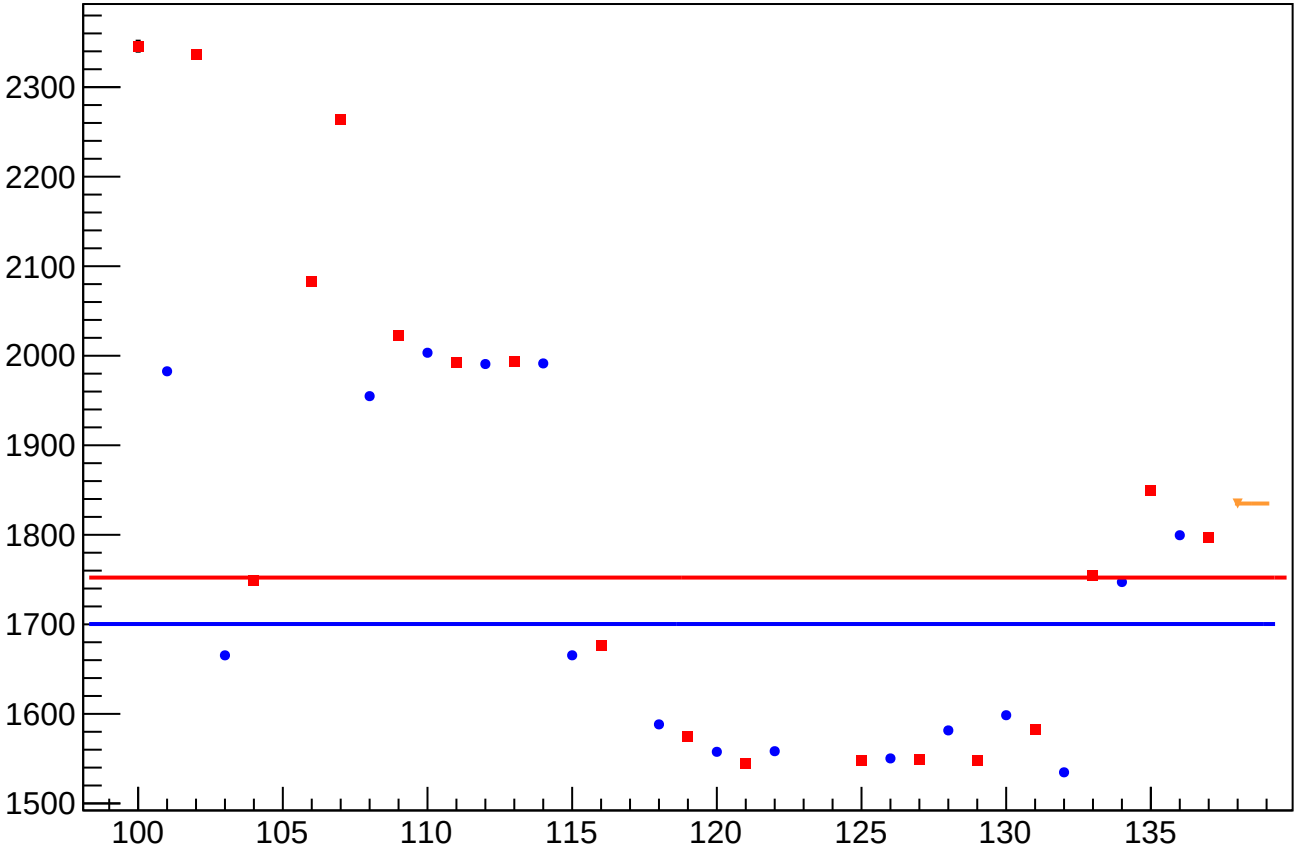
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 1906.205+/-636.433 χ^2/NDF:10.2/15

Out: 1644.156+/-629.927 χ^2/NDF:17.7/18

All: 1773.834+/-447.708 χ^2/NDF: 28.0/34

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1834.943+/-0.469 χ^2/NDF:0.0/0

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

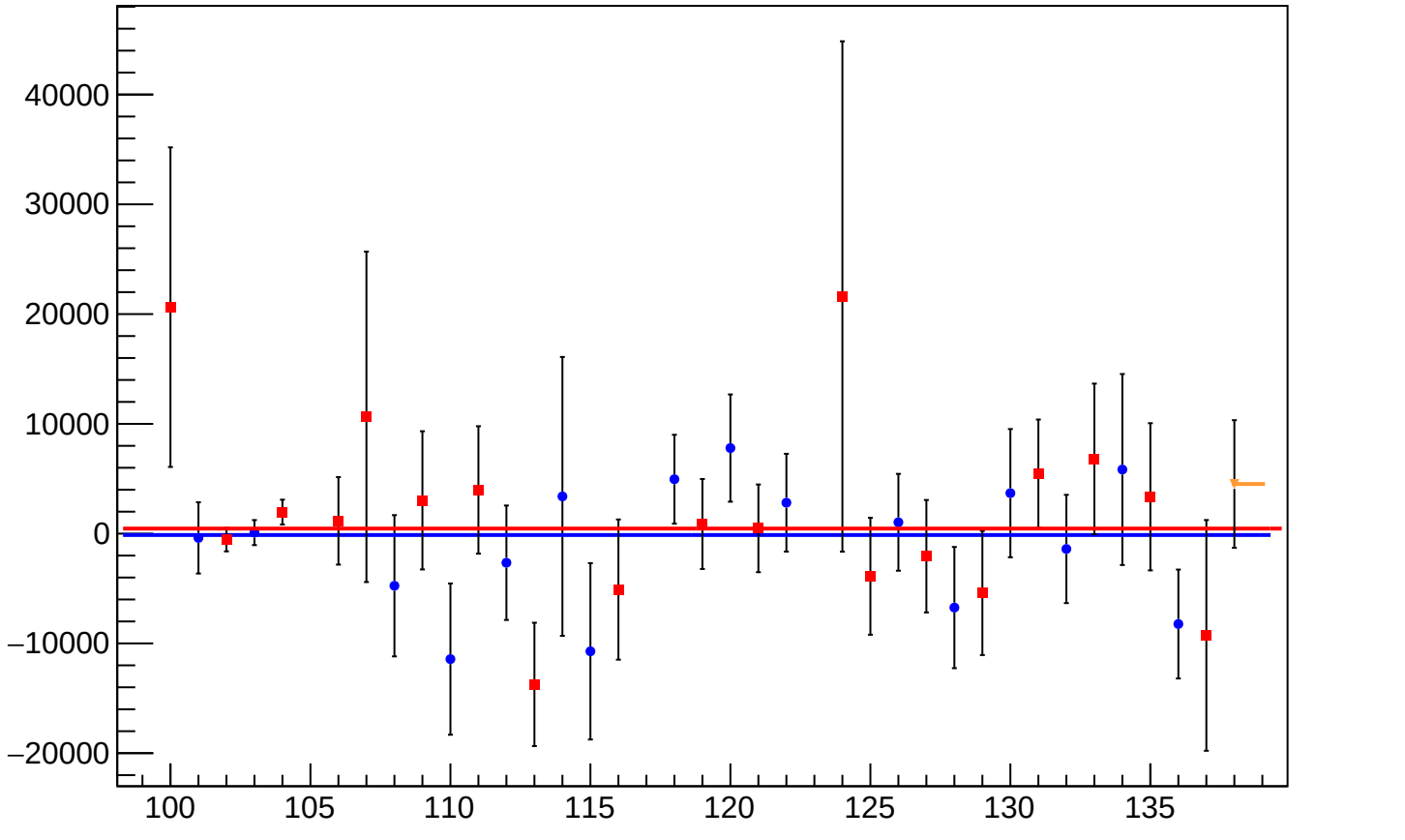
Left: 1834.943+/-1.469 χ^2/NDF: 0.0/0

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1700.357+/-0.450 χ^2/NDF:135419.2/15

Out: 1759.812+/-0.445 χ^2/NDF:250832.6/18

All: 1730.452+/-0.316 χ^2/NDF: 395086.8/34



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: 4521.611+/-5814.710 χ^2/NDF:0.0/0

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

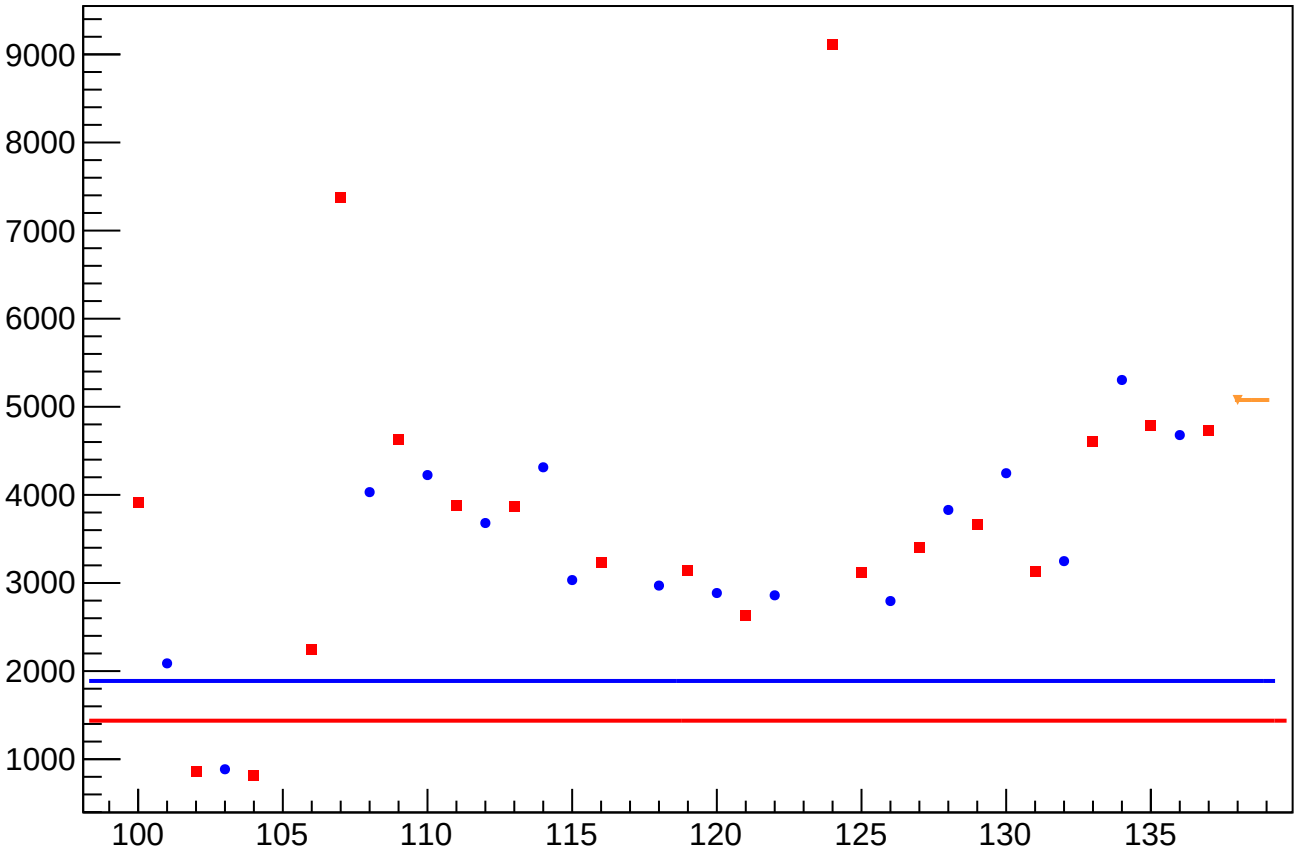
Left: 4521.611+/-5814.710 χ^2/NDF: 0.0/0

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: -125.468+/-867.645 χ^2/NDF:15.1/15

Out: 514.102+/-674.571 χ^2/NDF:19.0/19

All: 273.151+/-532.553 χ^2/NDF: 34.4/35



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 5077.133+/-4.112 χ^2/NDF:0.0/0

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

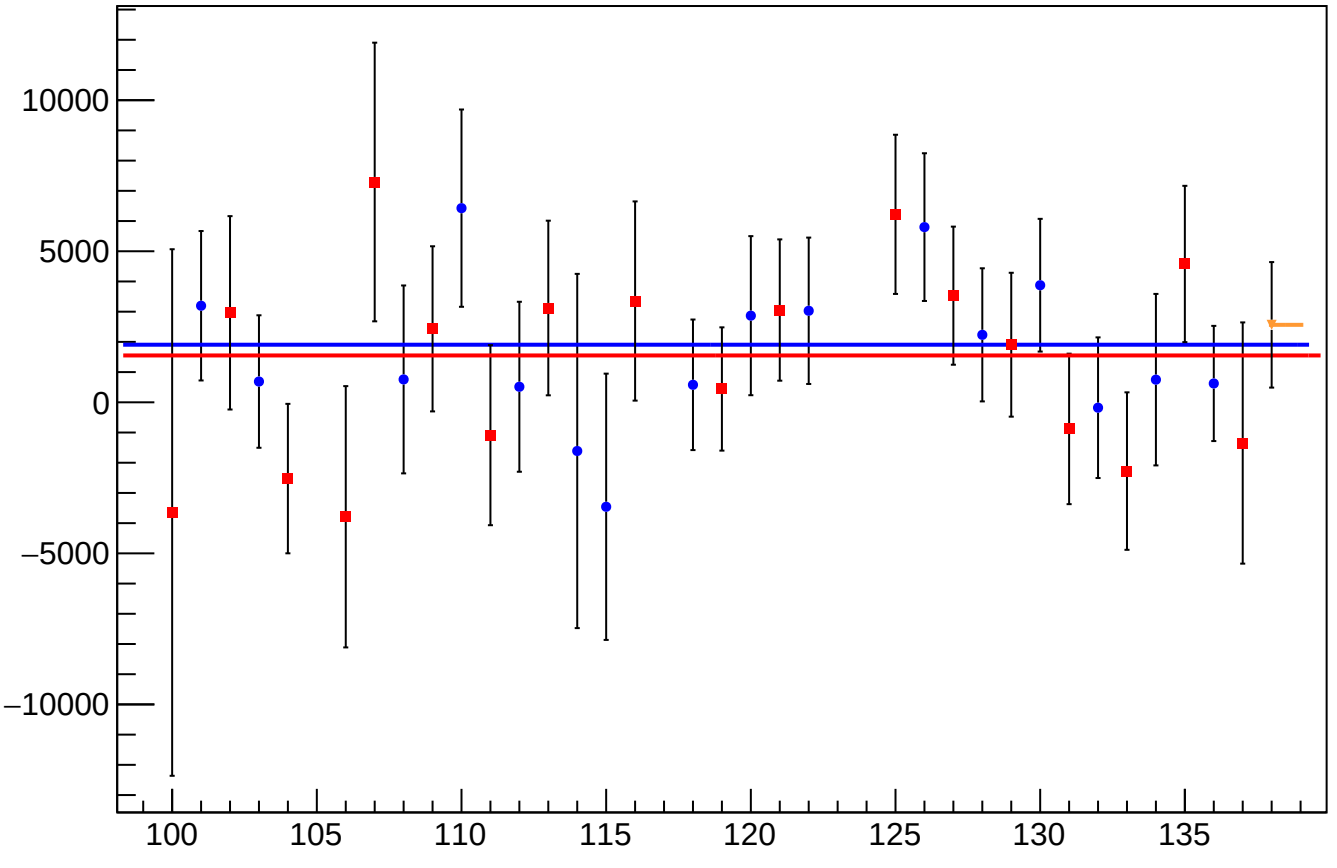
Left: 5077.133+/-4.112 χ^2/NDF: 0.0/0

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 1887.999+/-0.614 χ^2/NDF:4425691.6/15

Out: 1486.098+/-0.477 χ^2/NDF:6737404.3/19

All: 1637.510+/-0.377 χ^2/NDF: 11430552.8/3



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 2564.222+/-2077.311 χ^2/NDF:0.0/0

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2564.222+/-2077.311 χ^2/NDF: 0.0/0

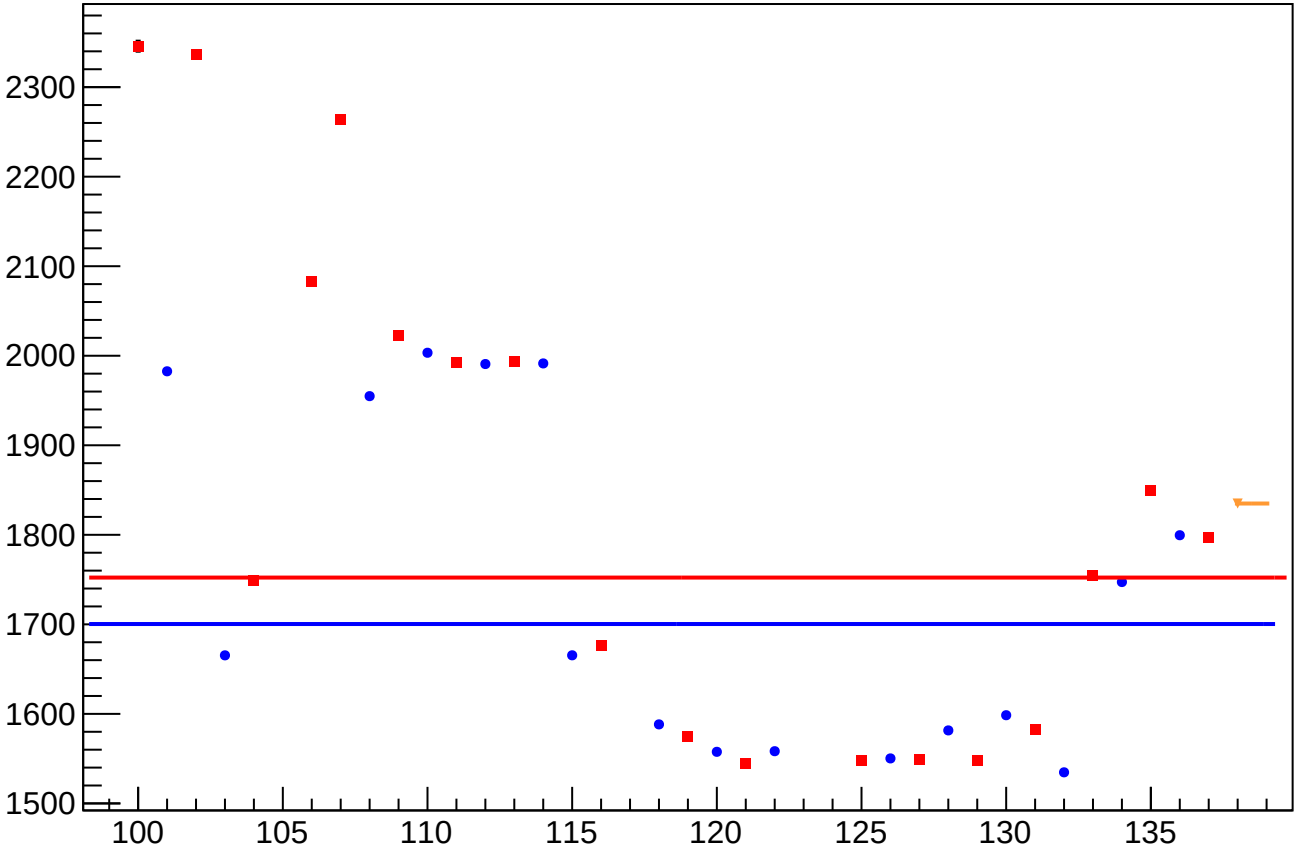
Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 1906.203+/-636.433 χ^2/NDF:10.2/15

Out: 1644.156+/-629.927 χ^2/NDF:17.7/18

All: 1773.834+/-447.708 χ^2/NDF: 28.0/34

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1834.942+/-0.469 χ^2/NDF:0.0/0

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1834.942+/-1.469 χ^2/NDF: 0.0/0

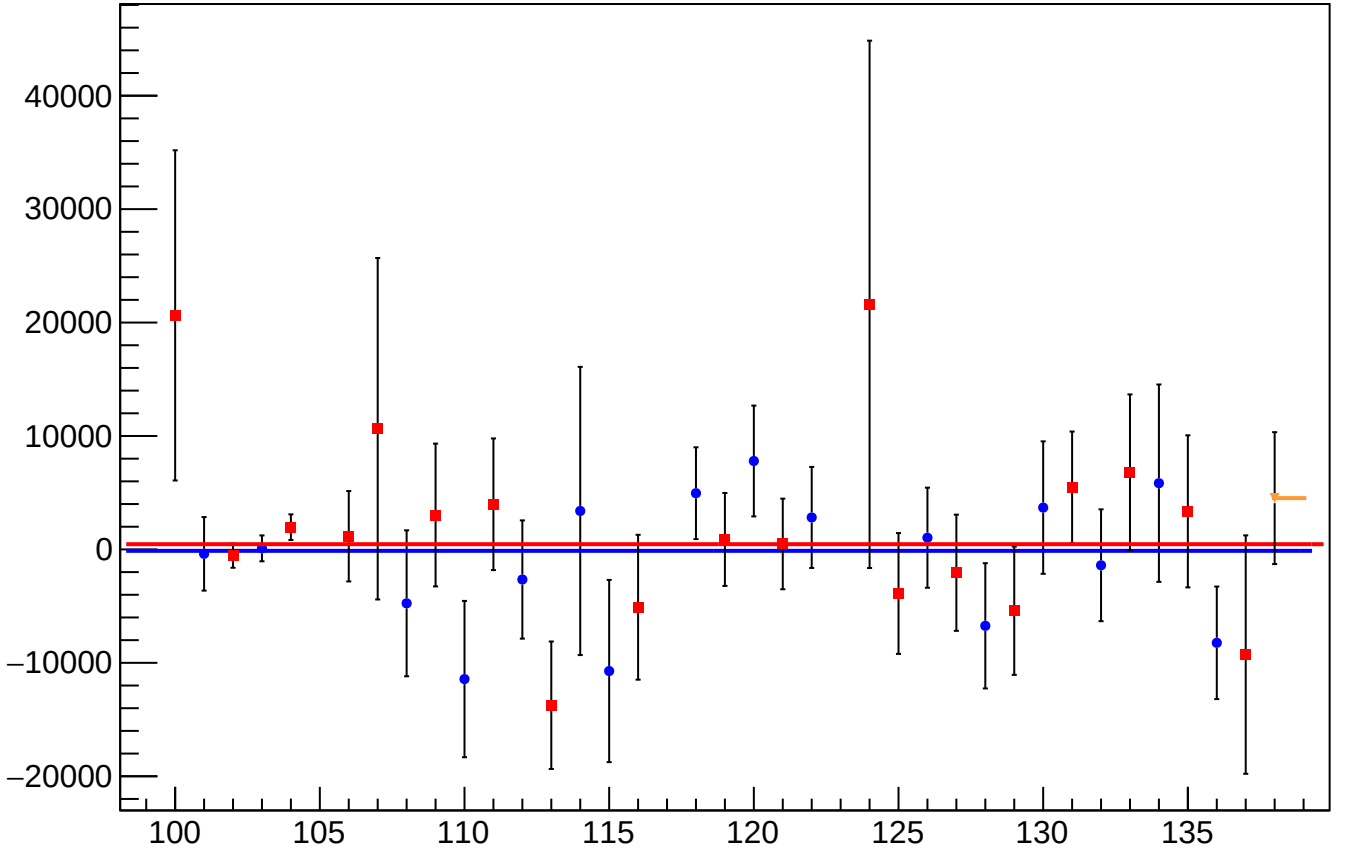
Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1700.357+/-0.450 χ^2/NDF:135419.5/15

Out: 1759.812+/-0.445 χ^2/NDF:250832.2/18

All: 1730.451+/-0.316 χ^2/NDF: 395086.5/34

asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: 4521.641+/-5814.729 χ^2/NDF:0.0/0

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

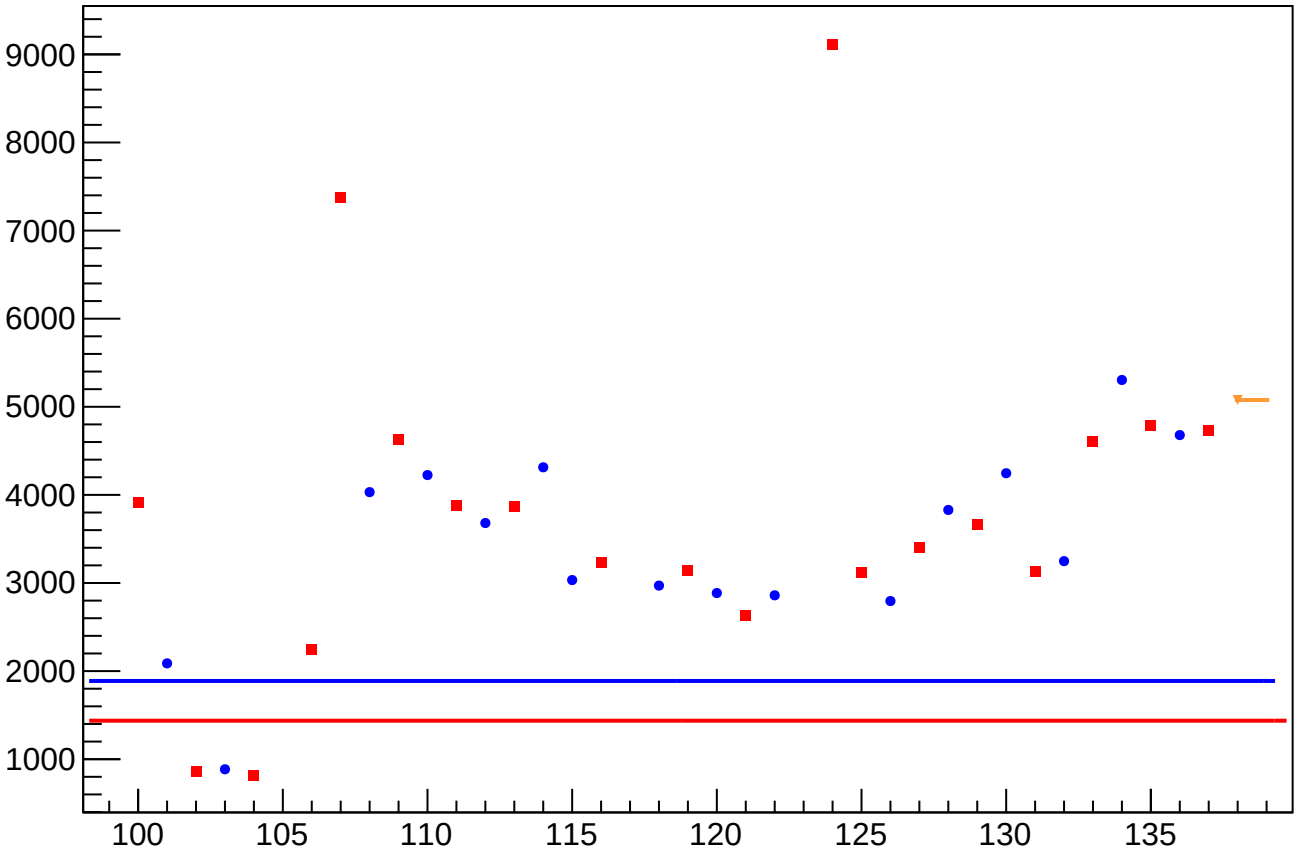
Left: 4521.641+/-5814.729 χ^2/NDF: 0.0/0

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -125.464+/-867.639 χ^2/NDF:15.1/15

Out: 514.100+/-674.566 χ^2/NDF:19.0/19

All: 273.152+/-532.549 χ^2/NDF: 34.4/35



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 5077.150+/-4.112 χ^2/NDF:0.0/0

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

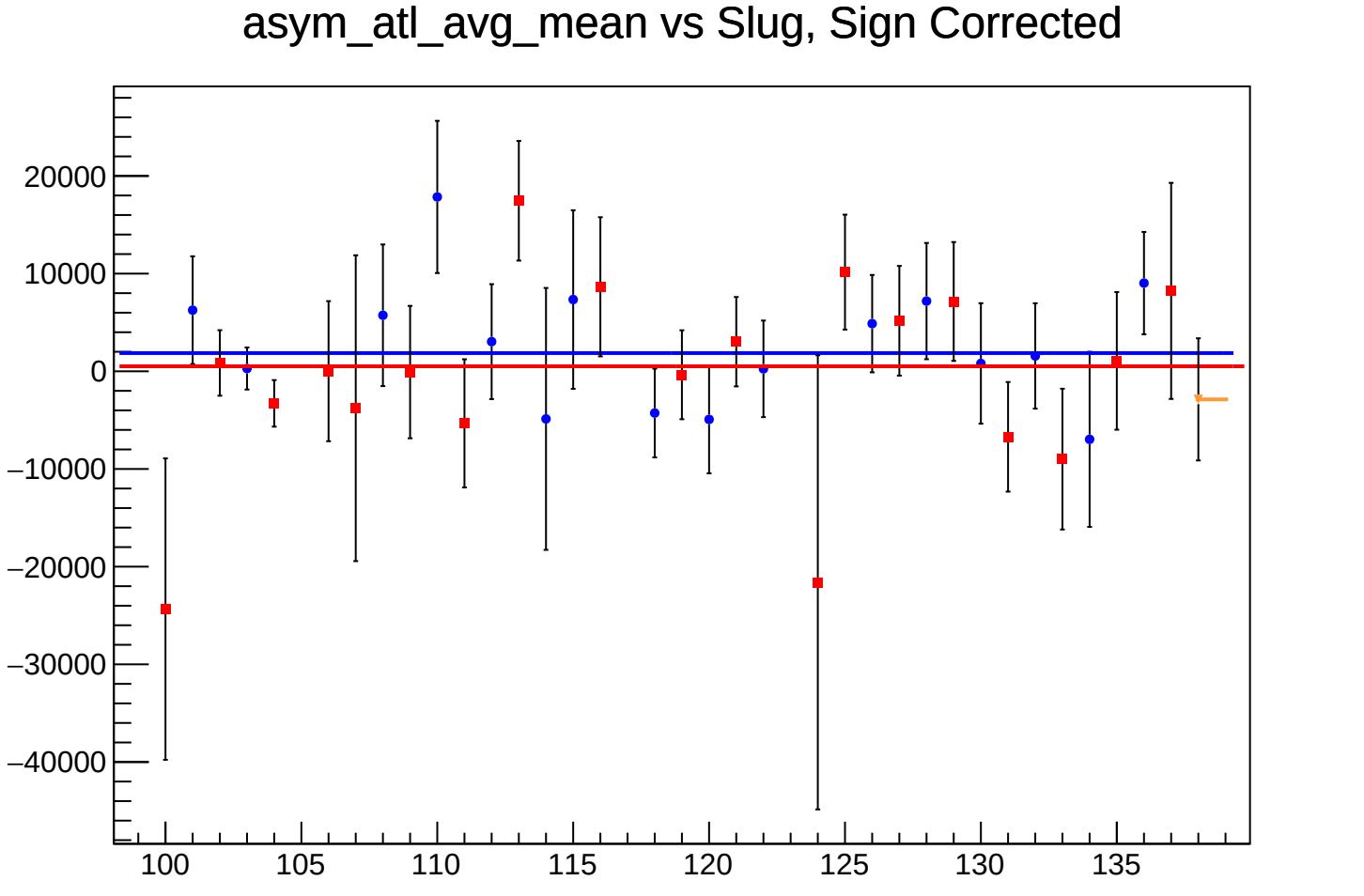
Left: 5077.150+/-4.112 χ^2/NDF: 0.0/0

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

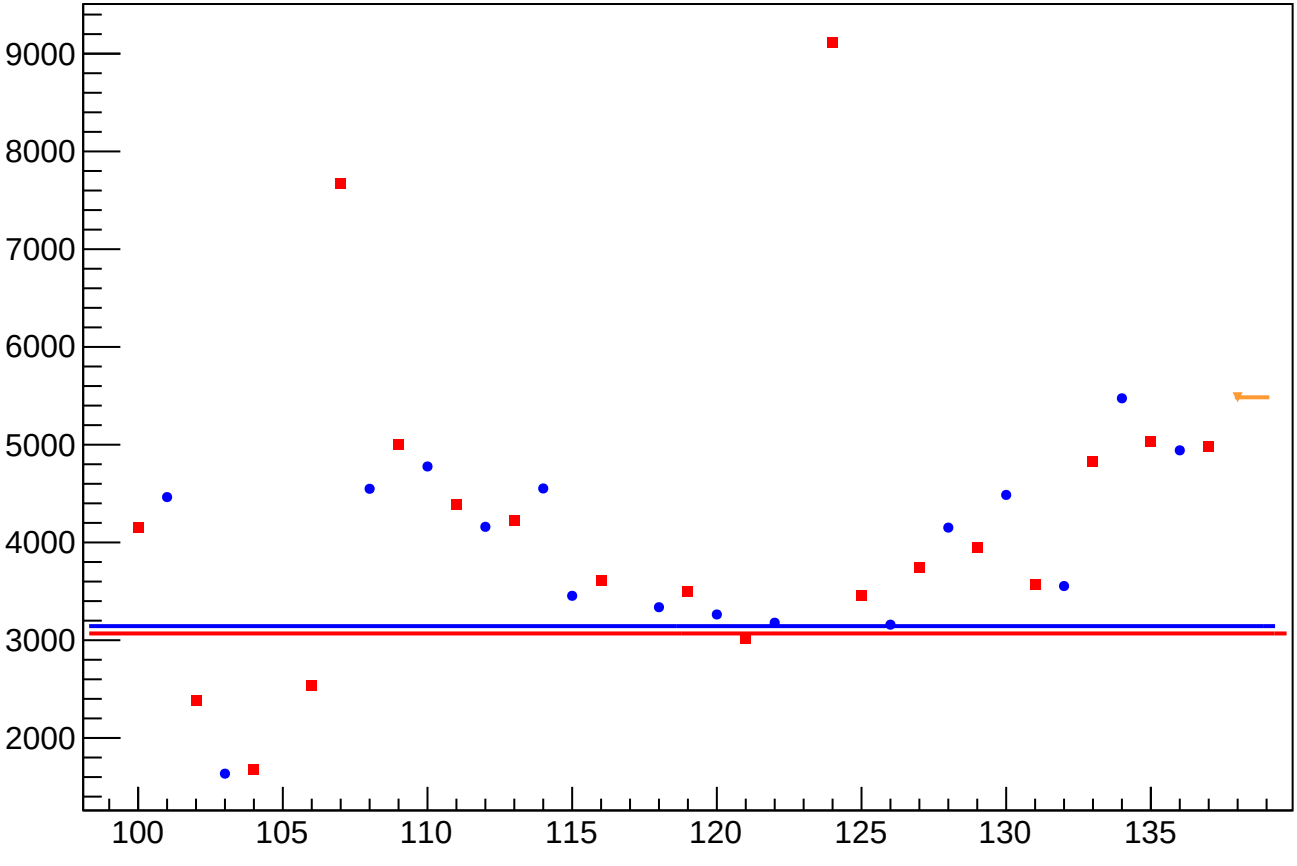
In: 1887.982+/-0.614 χ^2/NDF:4425728.6/15

Out: 1486.083+/-0.477 χ^2/NDF:6737447.1/19

All: 1637.494+/-0.377 χ^2/NDF: 11430633.2/3


asym_atl_avg_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
Right In: 1866.618+/-1259.187 χ²/NDF: 13.8/15
Left Out: -2873.613+/-6253.972 χ²/NDF:0.0/0
Right Out: 512.528+/-1241.513 χ²/NDF: 24.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -2873.613+/-6253.972 χ²/NDF: 0.0/0
Right: 1180.003+/-884.065 χ²/NDF: 39.1/34
In: 1866.618+/-1259.187 χ²/NDF:13.8/15
Out: 384.144+/-1217.750 χ²/NDF:25.0/19
All: 1100.588+/-875.362 χ²/NDF: 39.5/35

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5484.720+/-4.422 χ^2/NDF:0.0/0

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

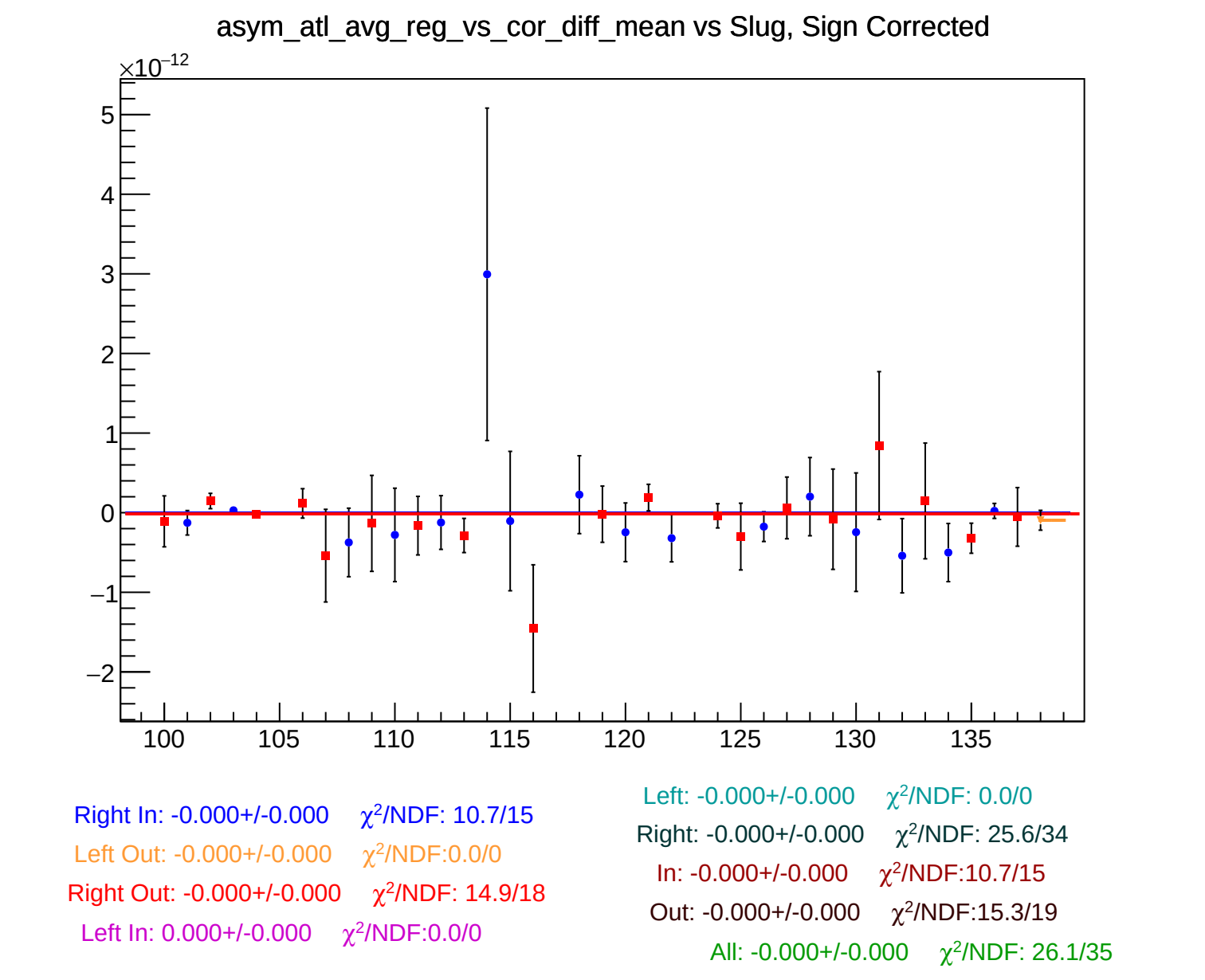
Left: 5484.720+/-4.422 χ^2/NDF: 0.0/0

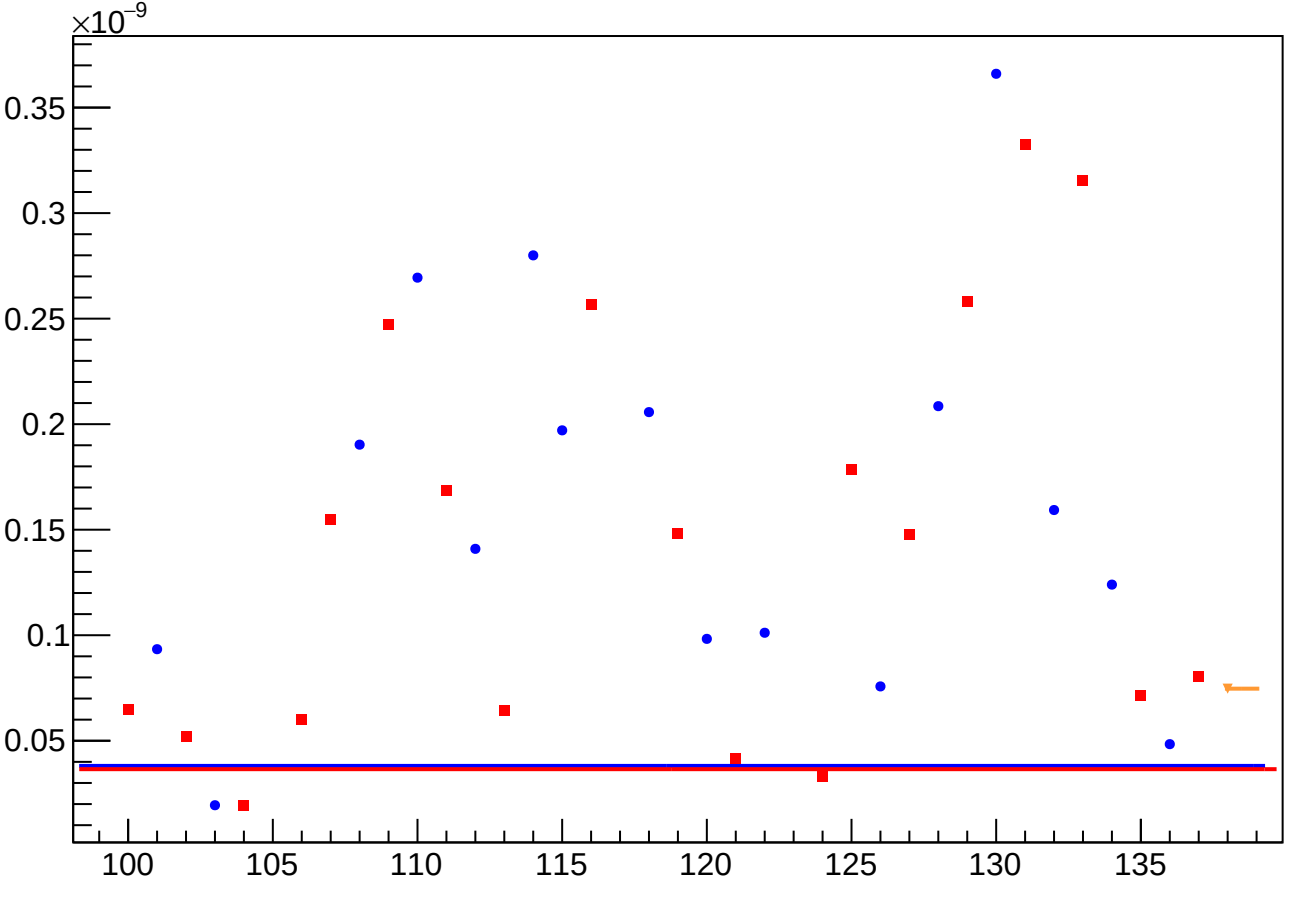
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3144.136+/-0.890 χ^2/NDF:1883139.2/15

Out: 3157.957+/-0.848 χ^2/NDF:2169052.8/19

All: 3151.382+/-0.614 χ^2/NDF: 4052318.3/35


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
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: -0.000+/-0.000 χ²/NDF:0.0/0
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: 0.0/0
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: -0.000+/-0.000 χ²/NDF:10.7/15
Out: -0.000+/-0.000 χ²/NDF:15.3/19
All: -0.000+/-0.000 χ²/NDF: 26.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

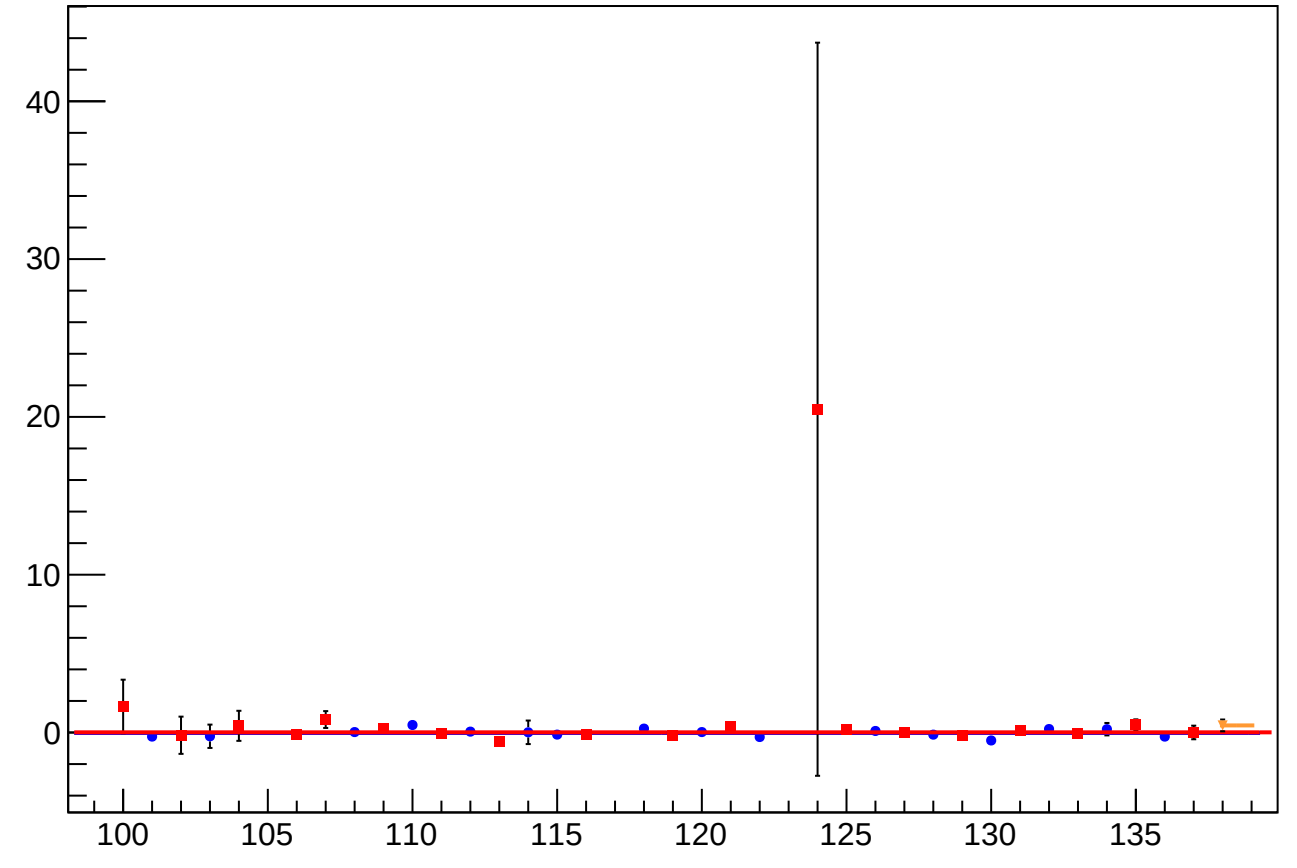
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:2888502.4/15

Out: 0.000+/-0.000 χ^2/NDF:2859317.9/19

All: 0.000+/-0.000 χ^2/NDF: 5748564.8/35



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.449+/-0.374 χ^2/NDF:0.0/0

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

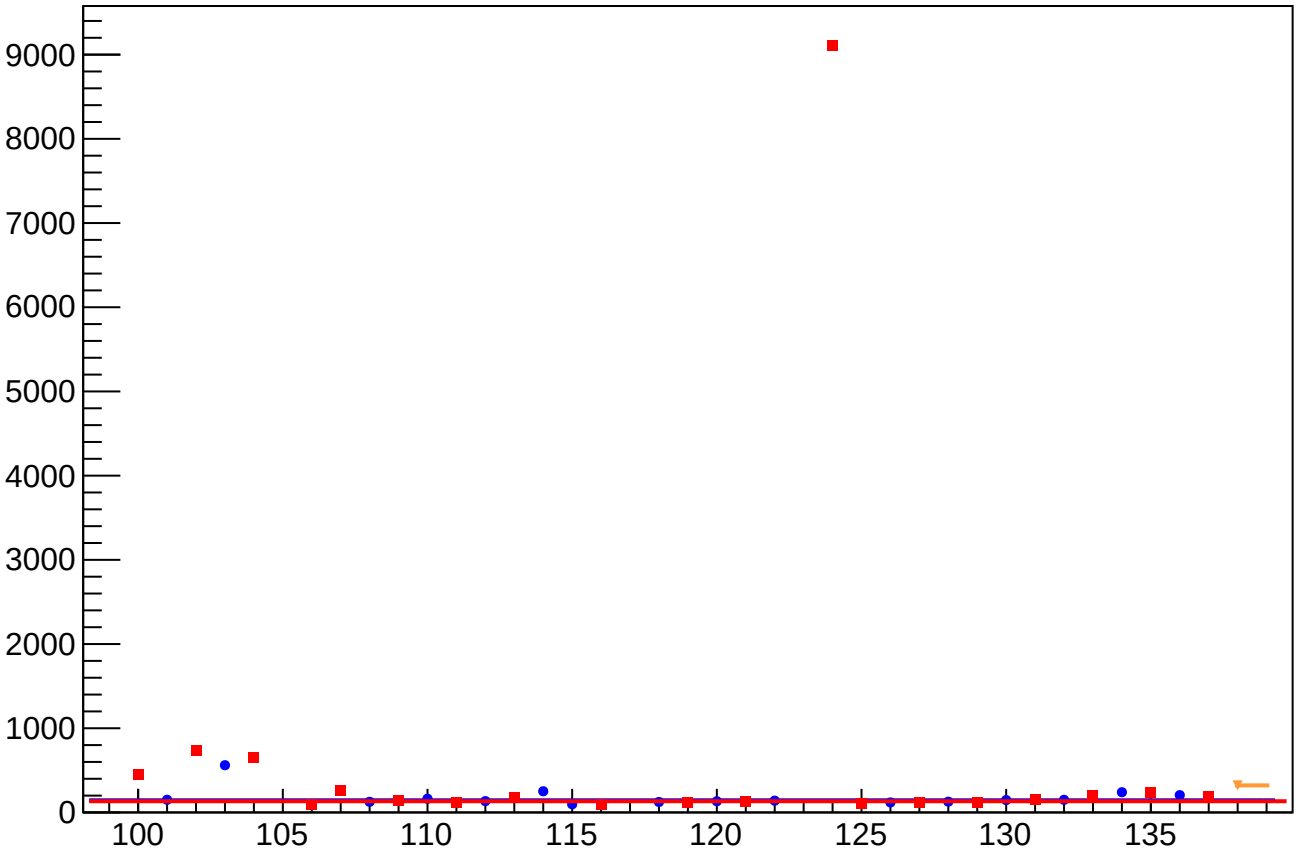
Left: 0.449+/-0.374 χ^2/NDF: 0.0/0

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.029+/-0.058 χ^2/NDF:17.2/15

Out: 0.020+/-0.056 χ^2/NDF:23.1/19

All: -0.003+/-0.040 χ^2/NDF: 40.8/35



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 321.523+/-0.265 χ^2/NDF:0.0/0

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 321.523+/-0.265 χ^2/NDF: 0.0/0

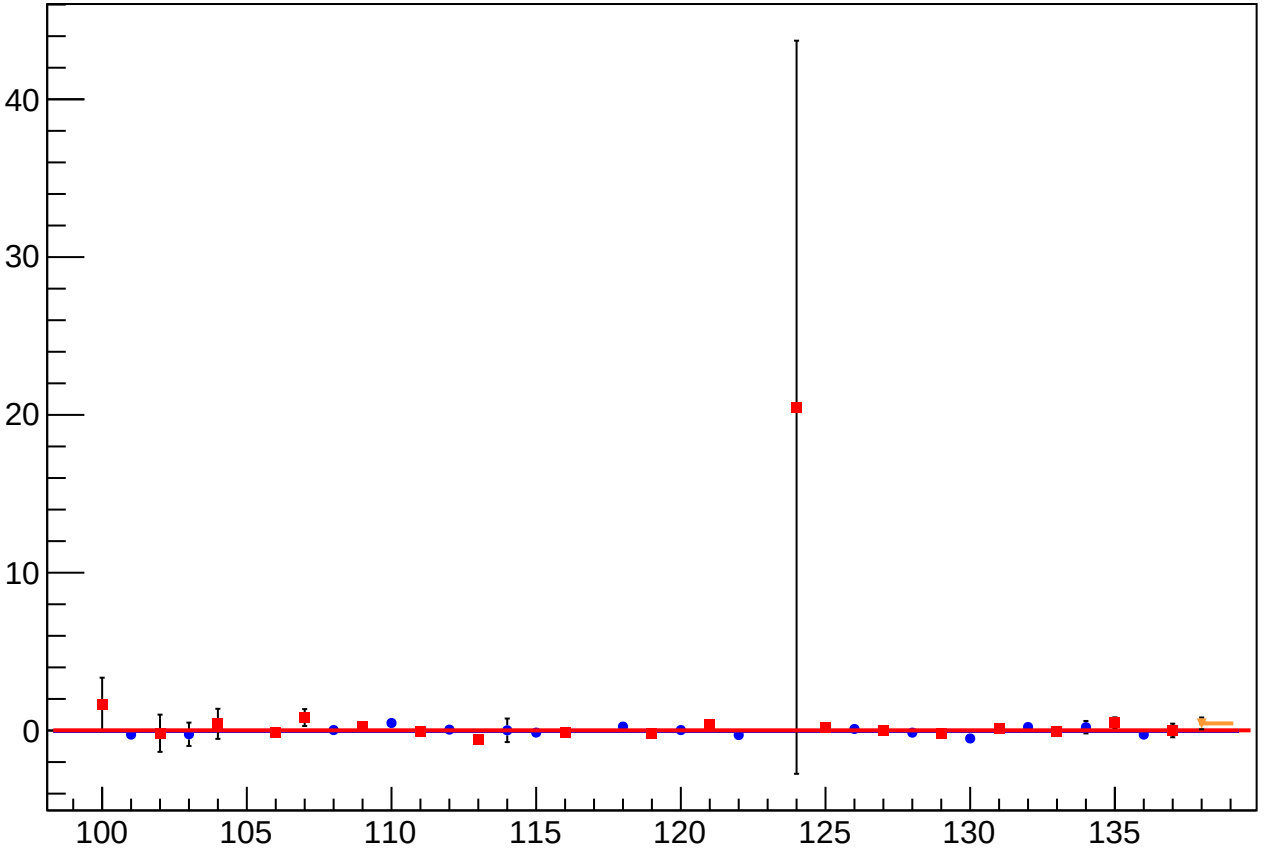
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 144.291+/-0.041 χ^2/NDF:1128779.2/15

Out: 137.448+/-0.040 χ^2/NDF:2715165.6/19

All: 140.752+/-0.028 χ^2/NDF: 3858428.6/35

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.449+/-0.374 χ^2/NDF:0.0/0

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.449+/-0.374 χ^2/NDF: 0.0/0

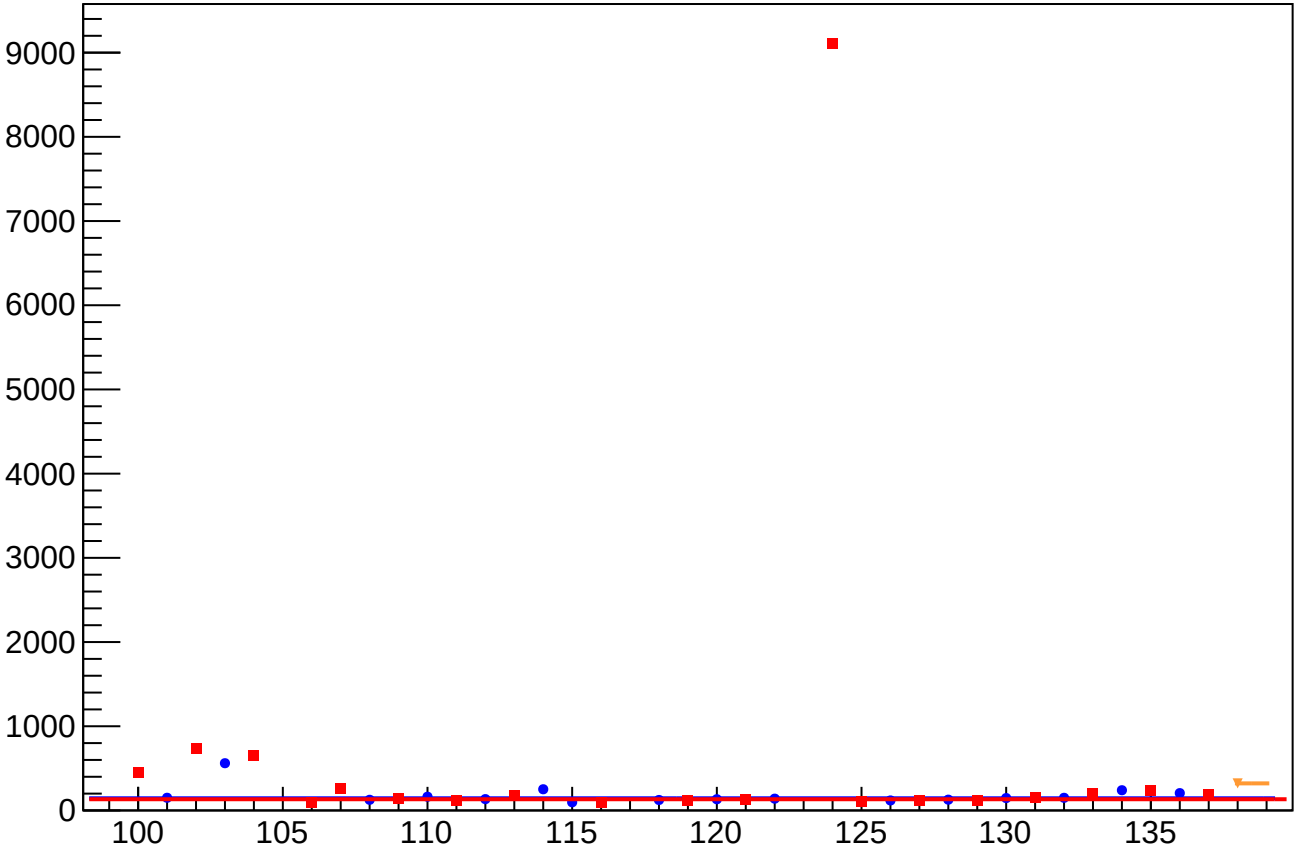
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.029+/-0.058 χ^2/NDF:17.2/15

Out: 0.020+/-0.056 χ^2/NDF:23.1/19

All: -0.003+/-0.040 χ^2/NDF: 40.8/35

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 321.523+/-0.265 χ^2/NDF:0.0/0

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

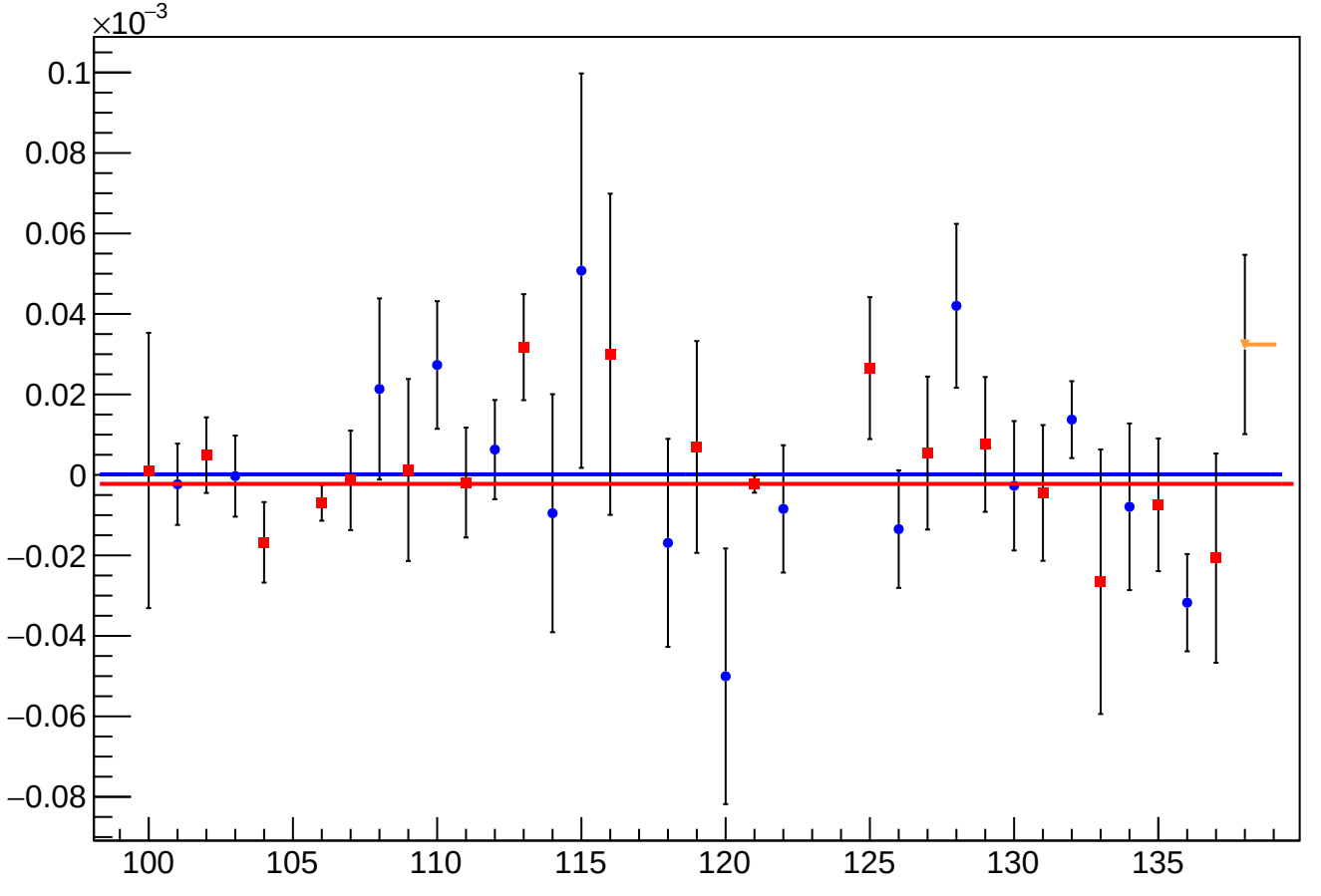
Left: 321.523+/-0.265 χ^2/NDF: 0.0/0

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 144.291+/-0.041 χ^2/NDF:1128779.2/15

Out: 137.448+/-0.040 χ^2/NDF:2715165.6/19

All: 140.752+/-0.028 χ^2/NDF: 3858428.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

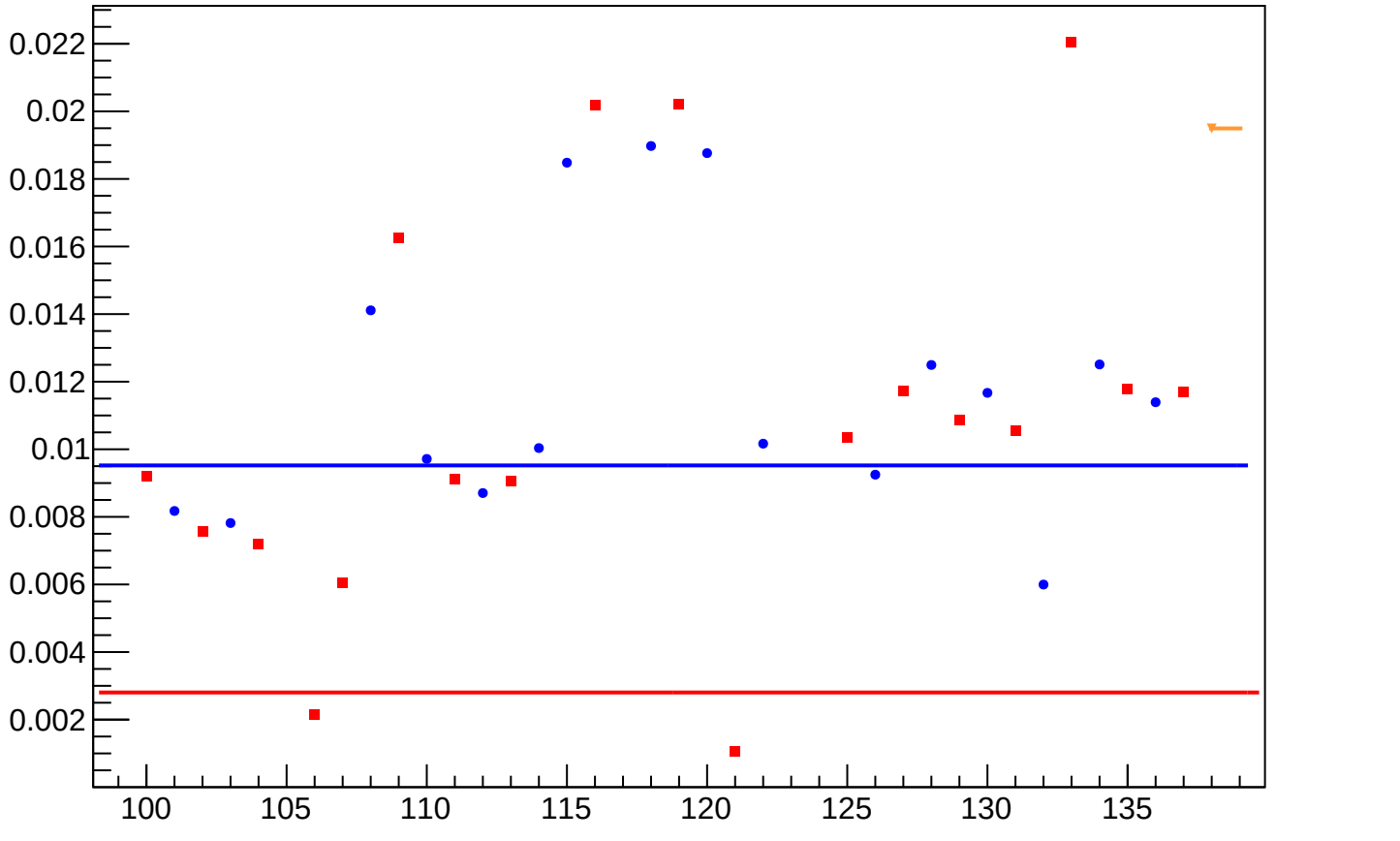
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

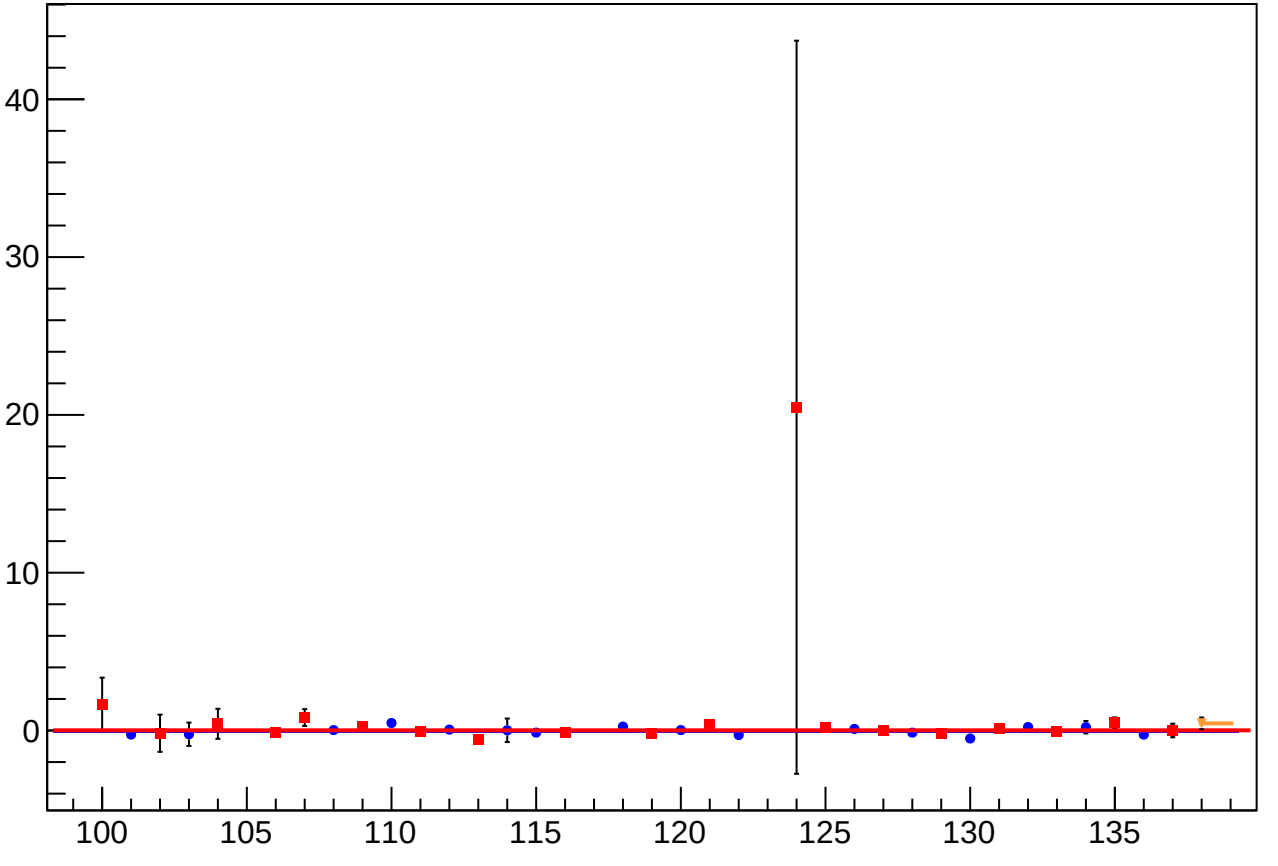
In: 0.000+/-0.000 χ^2/NDF:22.8/15

Out: -0.000+/-0.000 χ^2/NDF:18.0/18

All: -0.000+/-0.000 χ^2/NDF: 41.1/34


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
Right In: 0.010+/-0.000 χ²/NDF: 1132946.4/15
Left Out: 0.019+/-0.000 χ²/NDF:0.0/0
Right Out: 0.003+/-0.000 χ²/NDF: 8568874.3/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.019+/-0.000 χ²/NDF: 0.0/0
Right: 0.004+/-0.000 χ²/NDF: 15020072.2/33
In: 0.010+/-0.000 χ²/NDF:1132946.4/15
Out: 0.003+/-0.000 χ²/NDF:9684801.4/18
All: 0.004+/-0.000 χ²/NDF: 15985962.1/34

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.449+/-0.374 χ^2/NDF:0.0/0

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.449+/-0.374 χ^2/NDF: 0.0/0

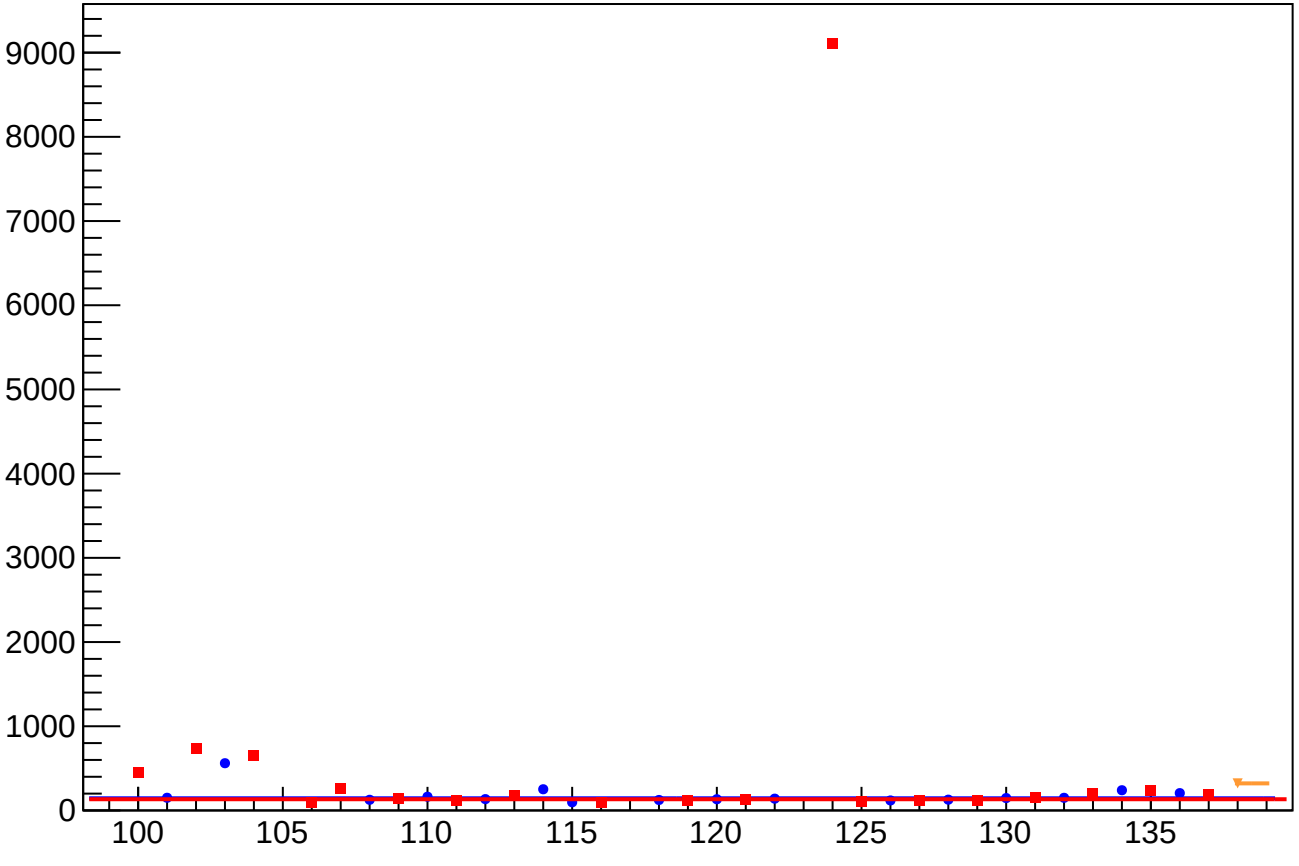
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.029+/-0.058 χ^2/NDF:17.2/15

Out: 0.020+/-0.056 χ^2/NDF:23.1/19

All: -0.003+/-0.040 χ^2/NDF: 40.8/35

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: 321.524+/-0.265 χ^2/NDF:0.0/0

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 321.524+/-0.265 χ^2/NDF: 0.0/0

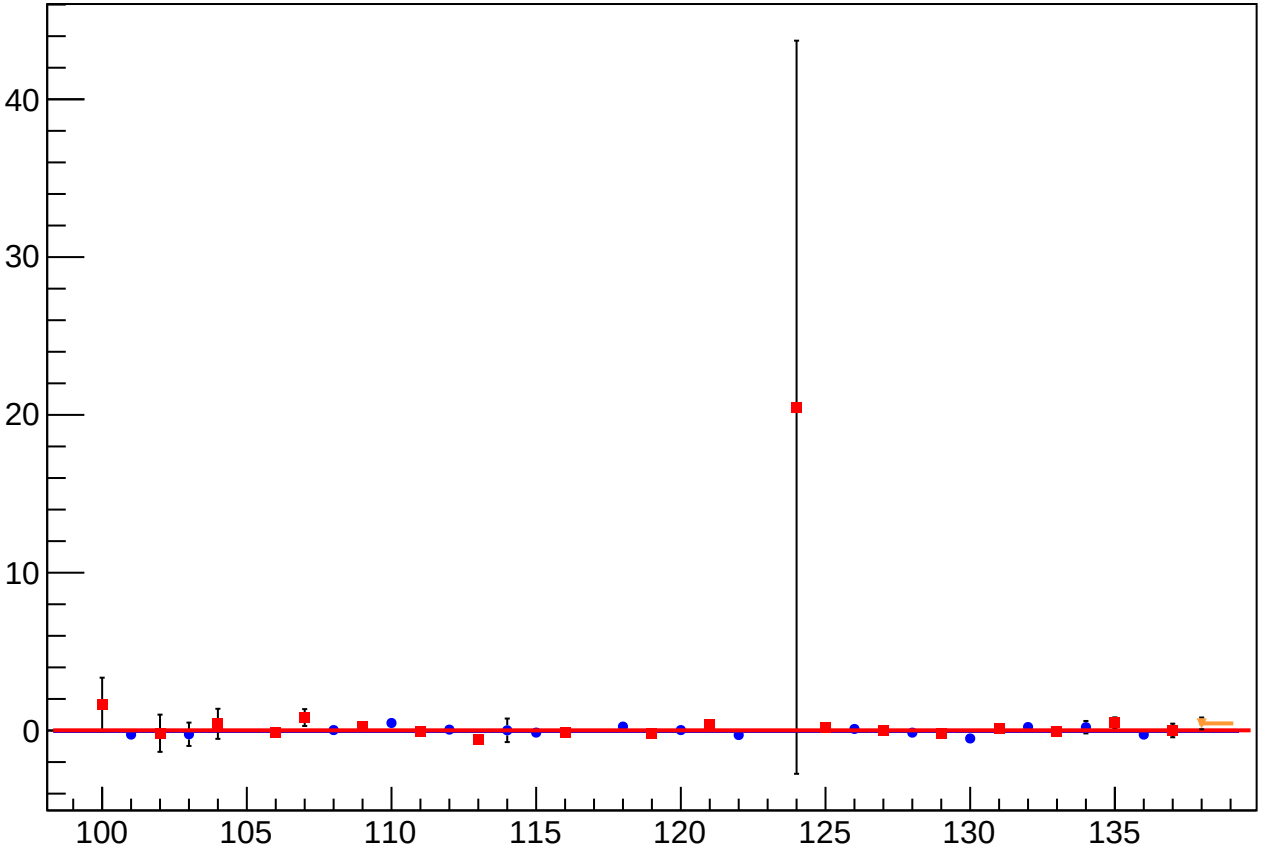
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 144.289+/-0.041 χ^2/NDF:1128804.3/15

Out: 137.447+/-0.040 χ^2/NDF:2715135.2/19

All: 140.751+/-0.028 χ^2/NDF: 3858419.8/35

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: 0.449+/-0.374 χ^2/NDF:0.0/0

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.449+/-0.374 χ^2/NDF: 0.0/0

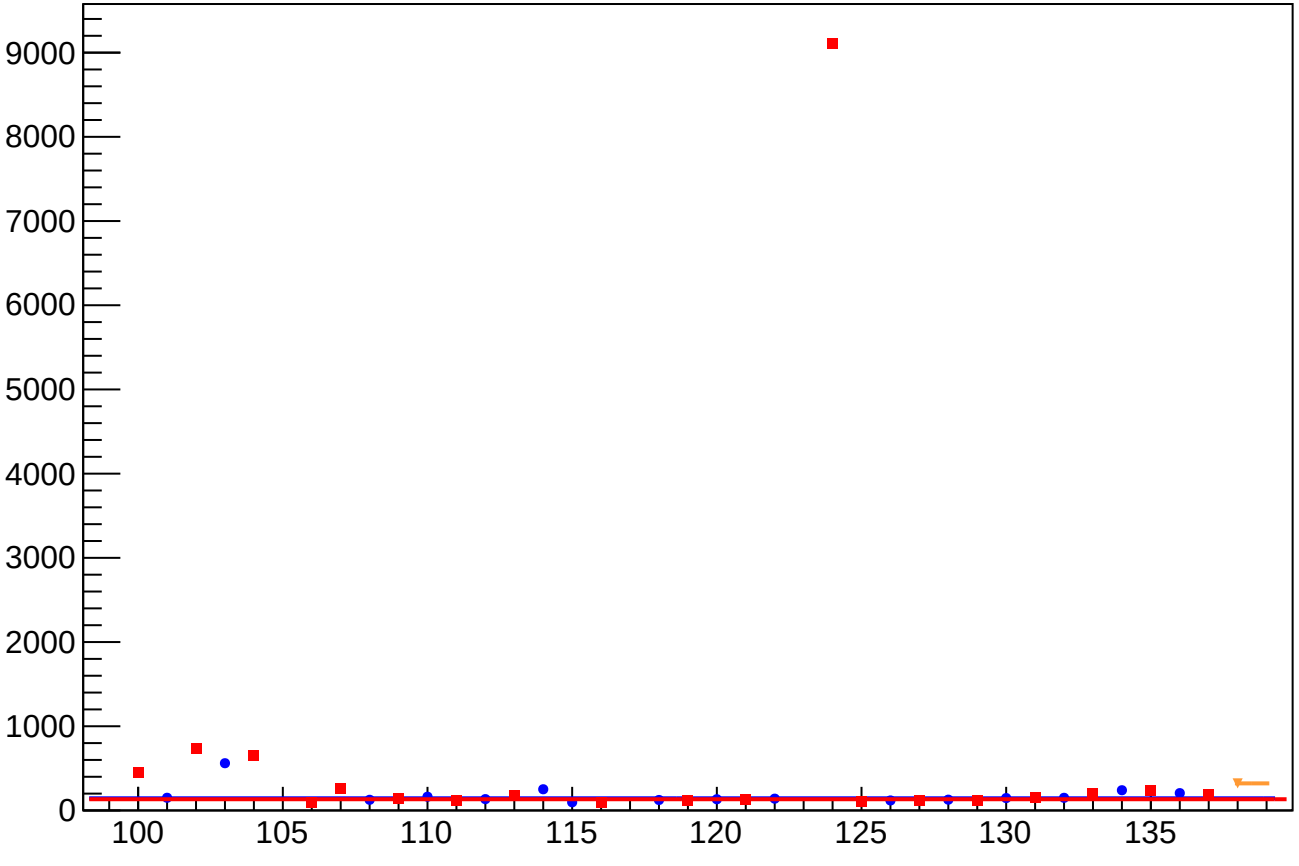
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.029+/-0.058 χ^2/NDF:17.2/15

Out: 0.020+/-0.056 χ^2/NDF:23.1/19

All: -0.003+/-0.040 χ^2/NDF: 40.8/35

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: 321.524+/-0.265 χ^2/NDF:0.0/0

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

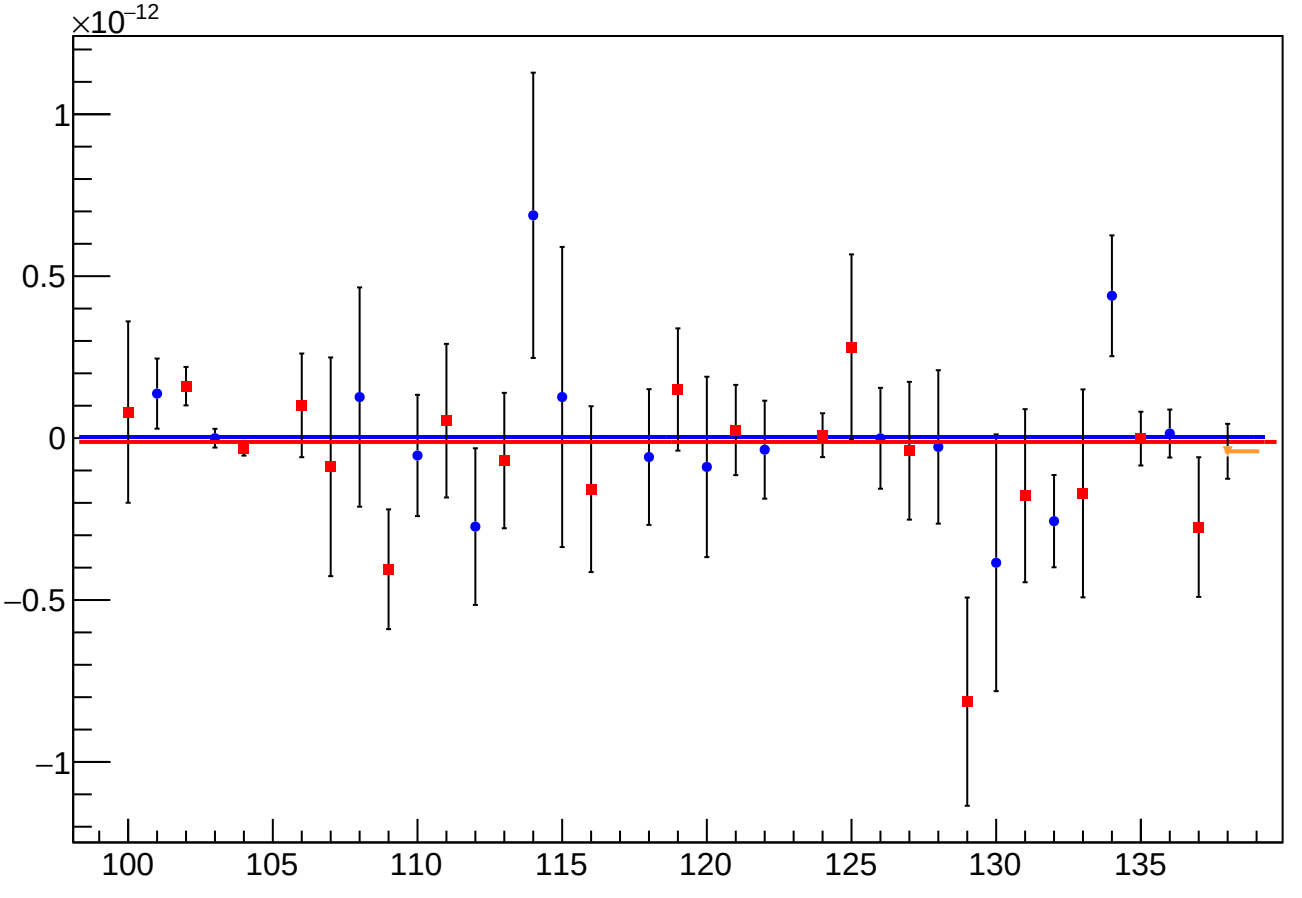
Left: 321.524+/-0.265 χ^2/NDF: 0.0/0

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 144.289+/-0.041 χ^2/NDF:1128804.3/15

Out: 137.447+/-0.040 χ^2/NDF:2715135.2/19

All: 140.751+/-0.028 χ^2/NDF: 3858419.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

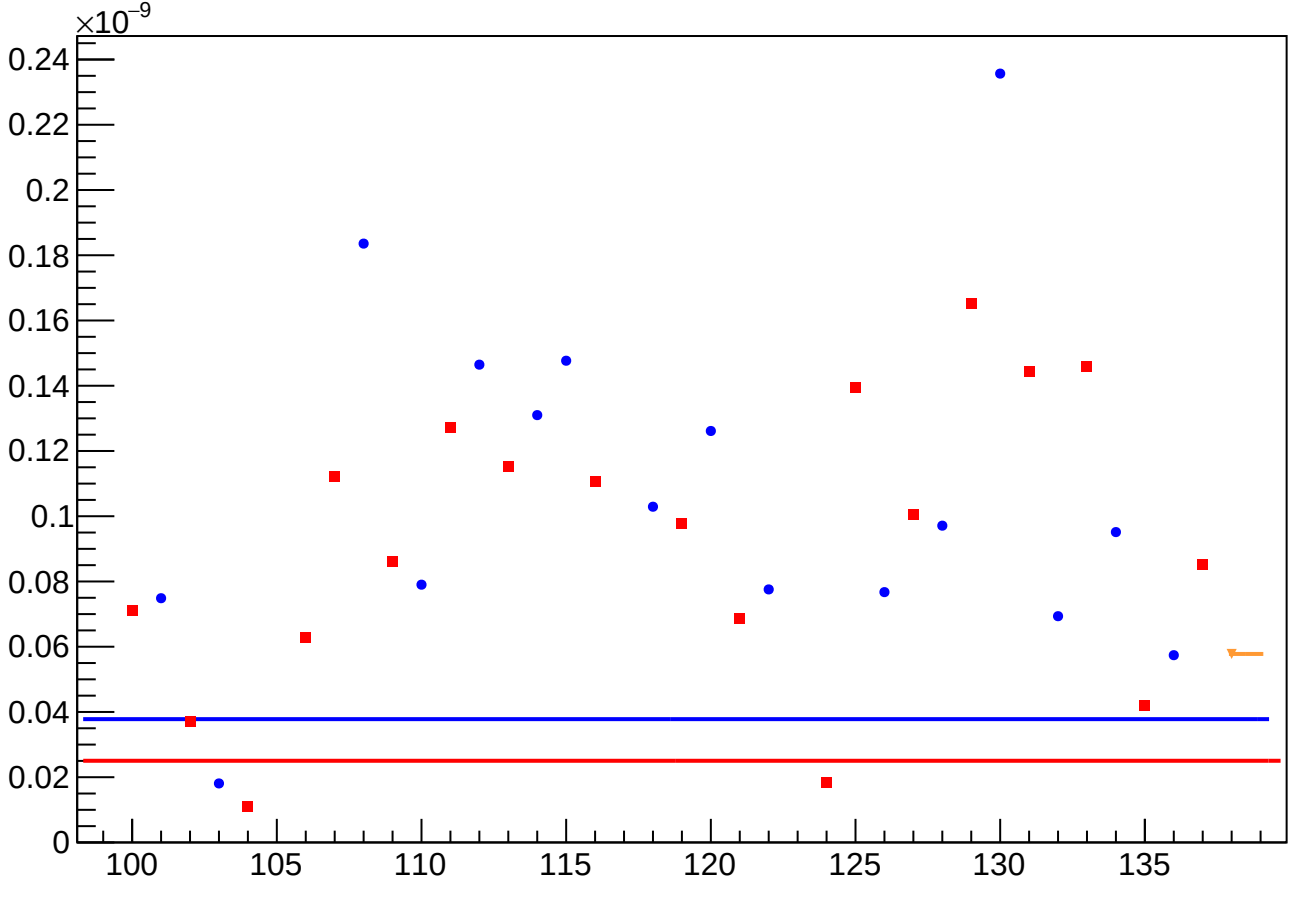
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:15.6/15

Out: -0.000+/-0.000 χ^2/NDF:25.2/19

All: -0.000+/-0.000 χ^2/NDF: 41.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

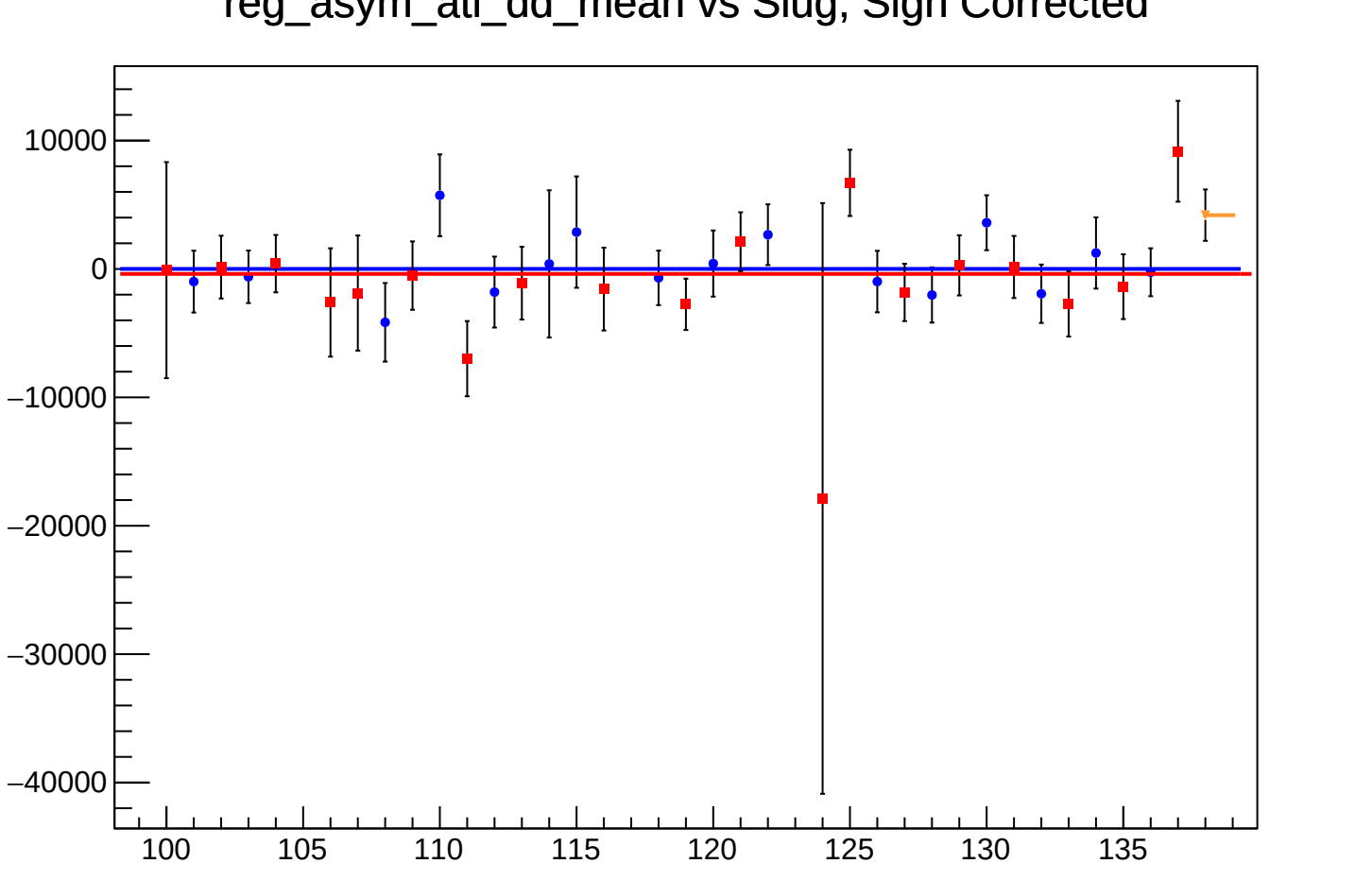
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

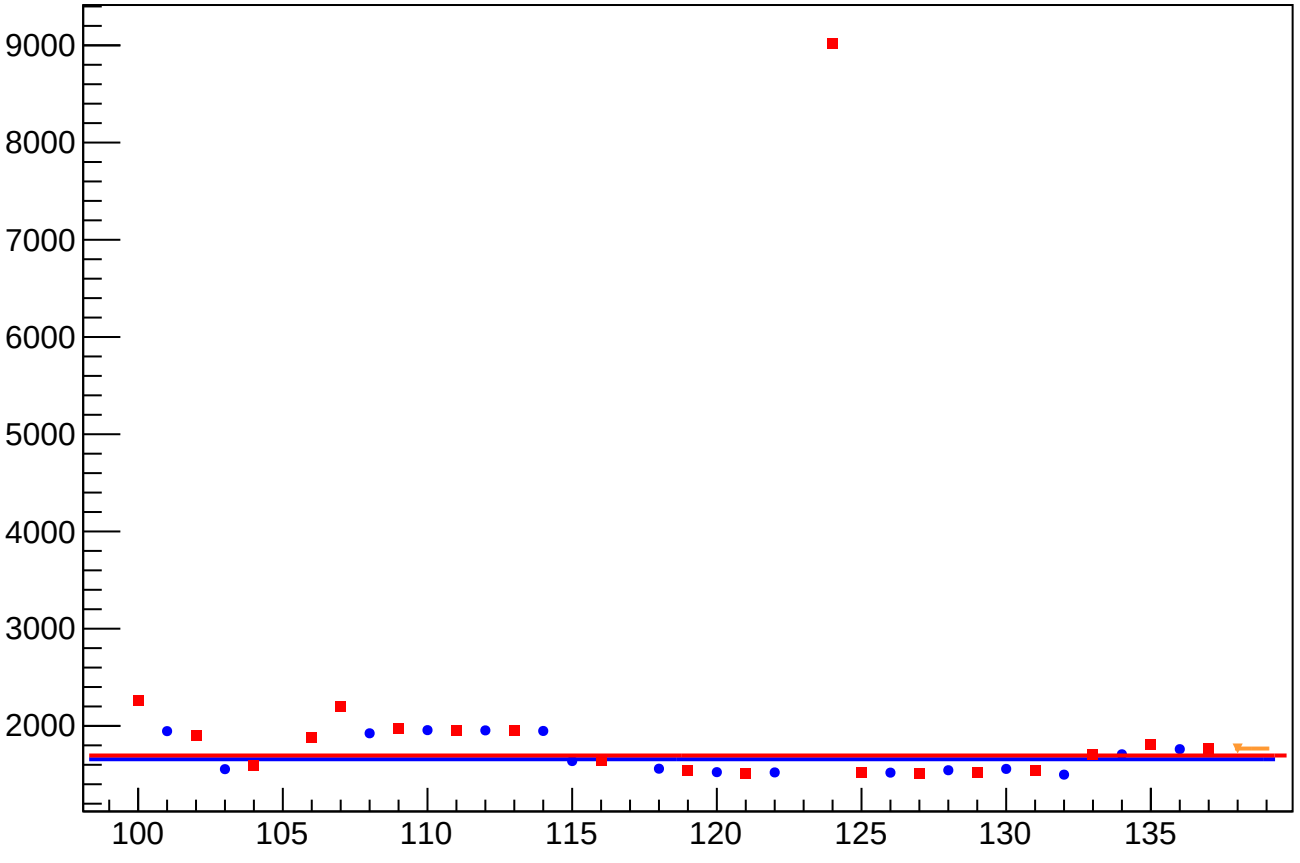
In: 0.000+/-0.000 χ^2/NDF:3942675.2/15

Out: 0.000+/-0.000 χ^2/NDF:4986417.7/19

All: 0.000+/-0.000 χ^2/NDF: 9211030.6/35


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
Right In: 4.373+/-619.905 χ²/NDF: 12.4/15
Left Out: 4191.198+/-2000.318 χ²/NDF:0.0/0
Right Out: -384.758+/-633.682 χ²/NDF: 24.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 4191.198+/-2000.318 χ²/NDF: 0.0/0
Right: -185.916+/-443.130 χ²/NDF: 36.7/34
In: 4.373+/-619.905 χ²/NDF:12.4/15
Out: 32.585+/-604.094 χ²/NDF:28.8/19
All: 18.844+/-432.641 χ²/NDF: 41.2/35

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1767.103+/-1.414 χ^2/NDF:0.0/0

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

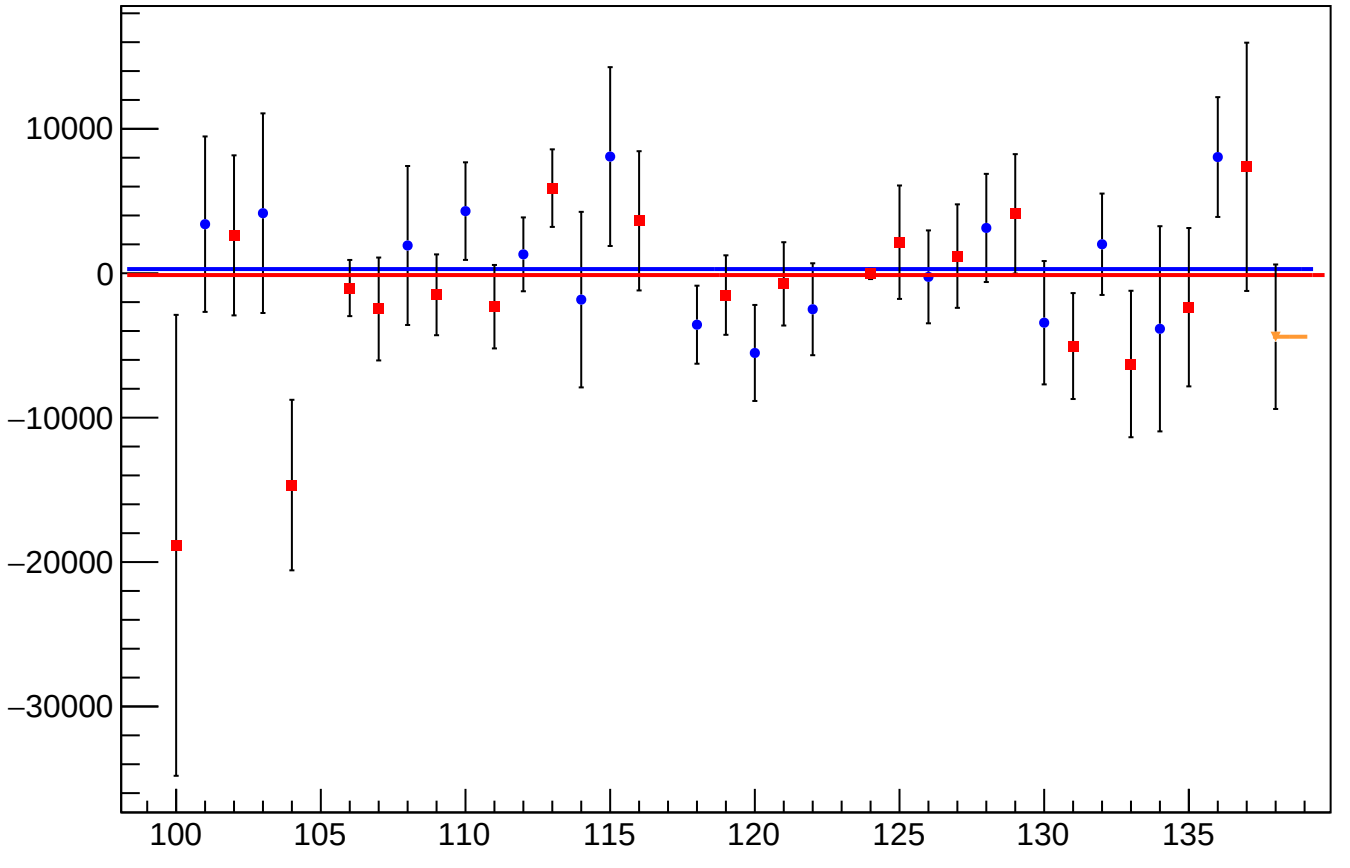
Left: 1767.103+/-1.414 χ^2/NDF: 0.0/0

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1657.119+/-0.438 χ^2/NDF:143982.4/15

Out: 1702.111+/-0.425 χ^2/NDF:388537.4/19

All: 1680.290+/-0.305 χ^2/NDF: 537945.7/35



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: -4396.018+/-5002.983 χ^2/NDF:0.0/0

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

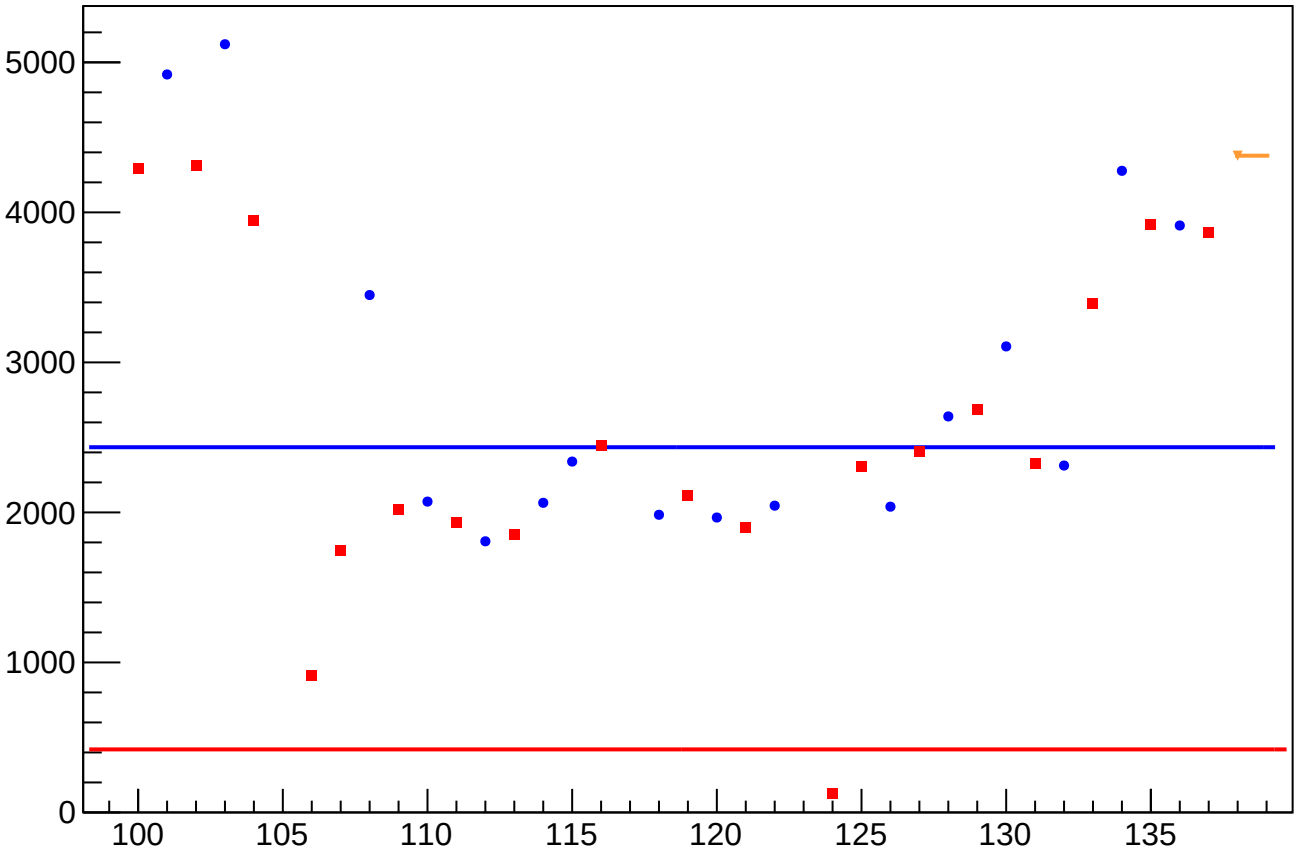
Left: -4396.018+/-5002.983 χ^2/NDF: 0.0/0

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: 289.262+/-961.071 χ^2/NDF:15.2/15

Out: -143.390+/-323.039 χ^2/NDF:21.6/19

All: -99.471+/-306.204 χ^2/NDF: 37.0/35



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 4377.857+/-3.538 χ^2/NDF:0.0/0

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

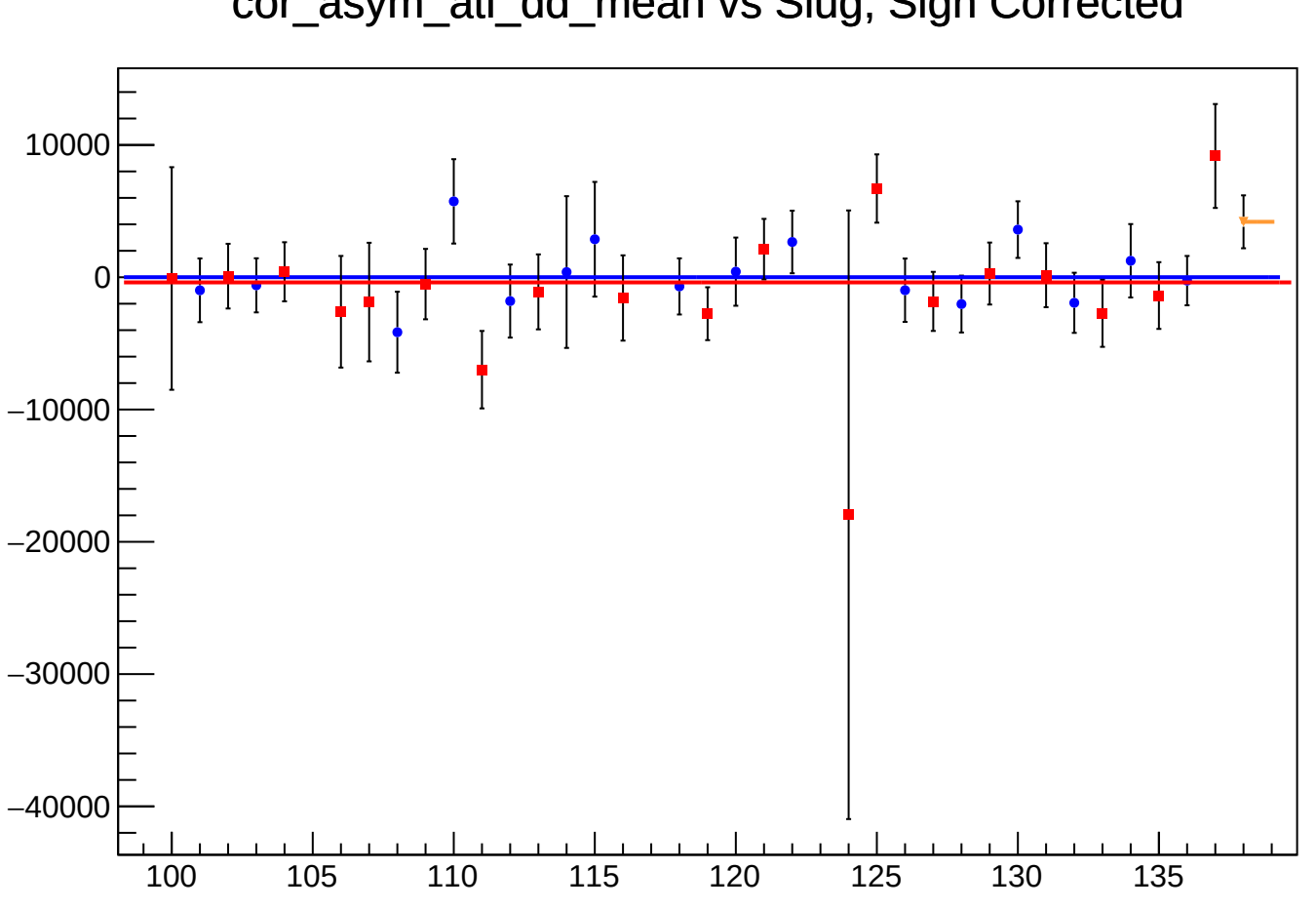
Left: 4377.857+/-3.538 χ^2/NDF: 0.0/0

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2434.593+/-0.680 χ^2/NDF:1457721.5/15

Out: 436.792+/-0.228 χ^2/NDF:12310247.9/19

All: 639.590+/-0.217 χ^2/NDF: 21532882.3/35



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 4191.047+/-2000.318 χ^2/NDF:0.0/0

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4191.047+/-2000.318 χ^2/NDF: 0.0/0

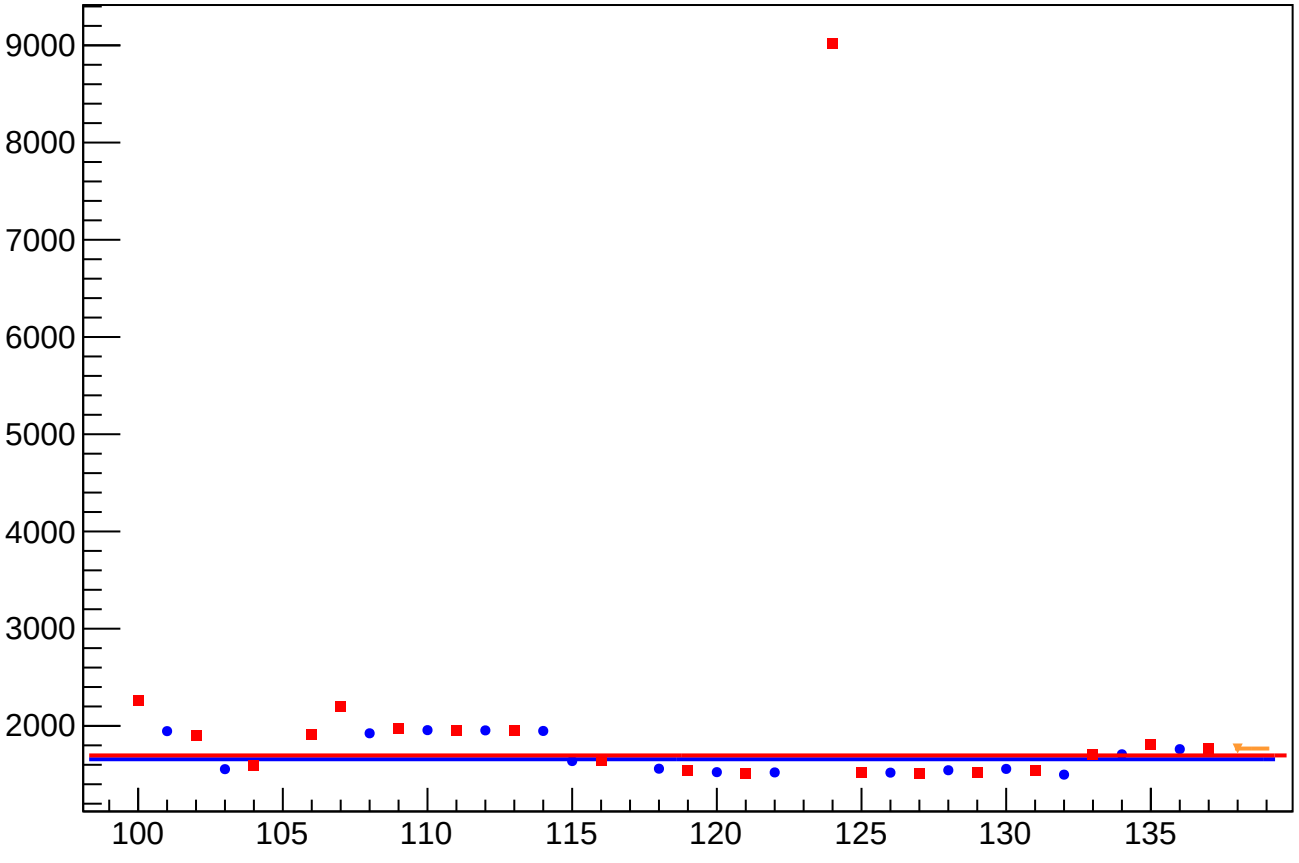
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: 4.295+/-619.905 χ^2/NDF:12.4/15

Out: 28.674+/-604.100 χ^2/NDF:28.8/19

All: 16.799+/-432.643 χ^2/NDF: 41.3/35

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1767.103+/-1.414 χ^2/NDF:0.0/0

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

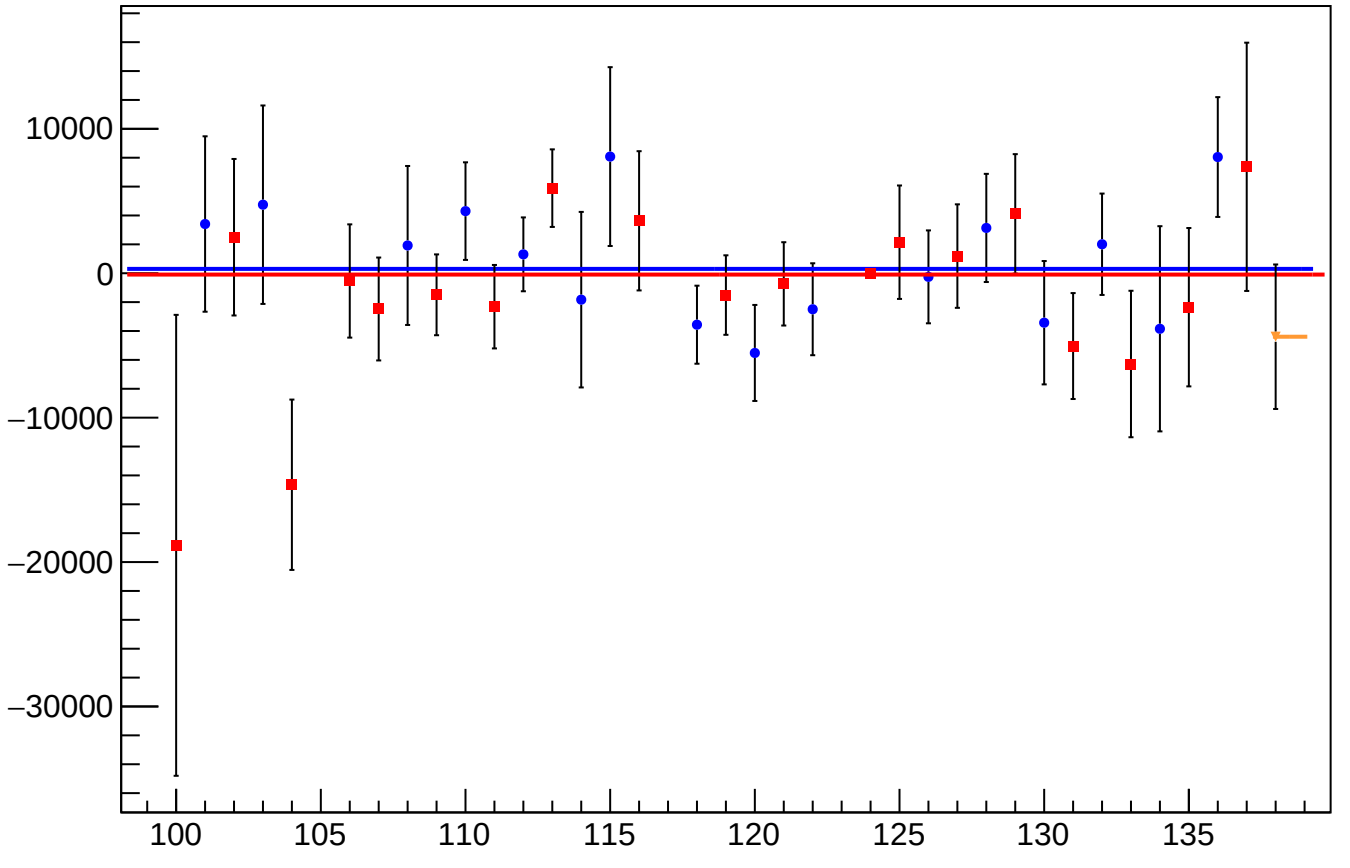
Left: 1767.103+/-1.414 χ^2/NDF: 0.0/0

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1657.119+/-0.438 χ^2/NDF:143982.5/15

Out: 1702.838+/-0.426 χ^2/NDF:390244.2/19

All: 1680.655+/-0.305 χ^2/NDF: 539827.0/35



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: -4396.091+/-5002.975 χ^2/NDF:0.0/0

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

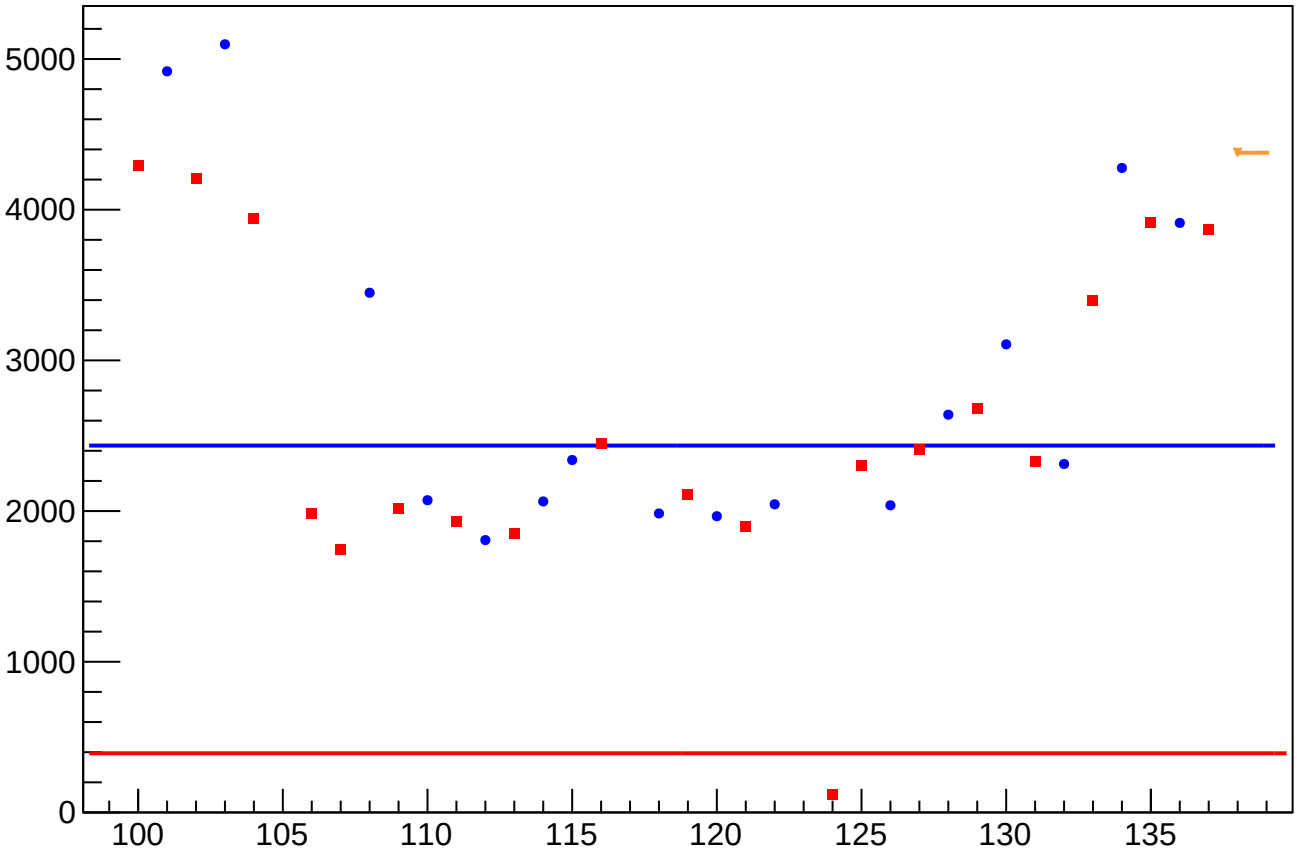
Left: -4396.091+/-5002.975 χ^2/NDF: 0.0/0

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 301.839+/-960.952 χ^2/NDF:15.3/15

Out: -109.319+/-315.130 χ^2/NDF:21.4/19

All: -69.395+/-299.440 χ^2/NDF: 36.9/35



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 4377.848+/-3.538 χ^2/NDF:0.0/0

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

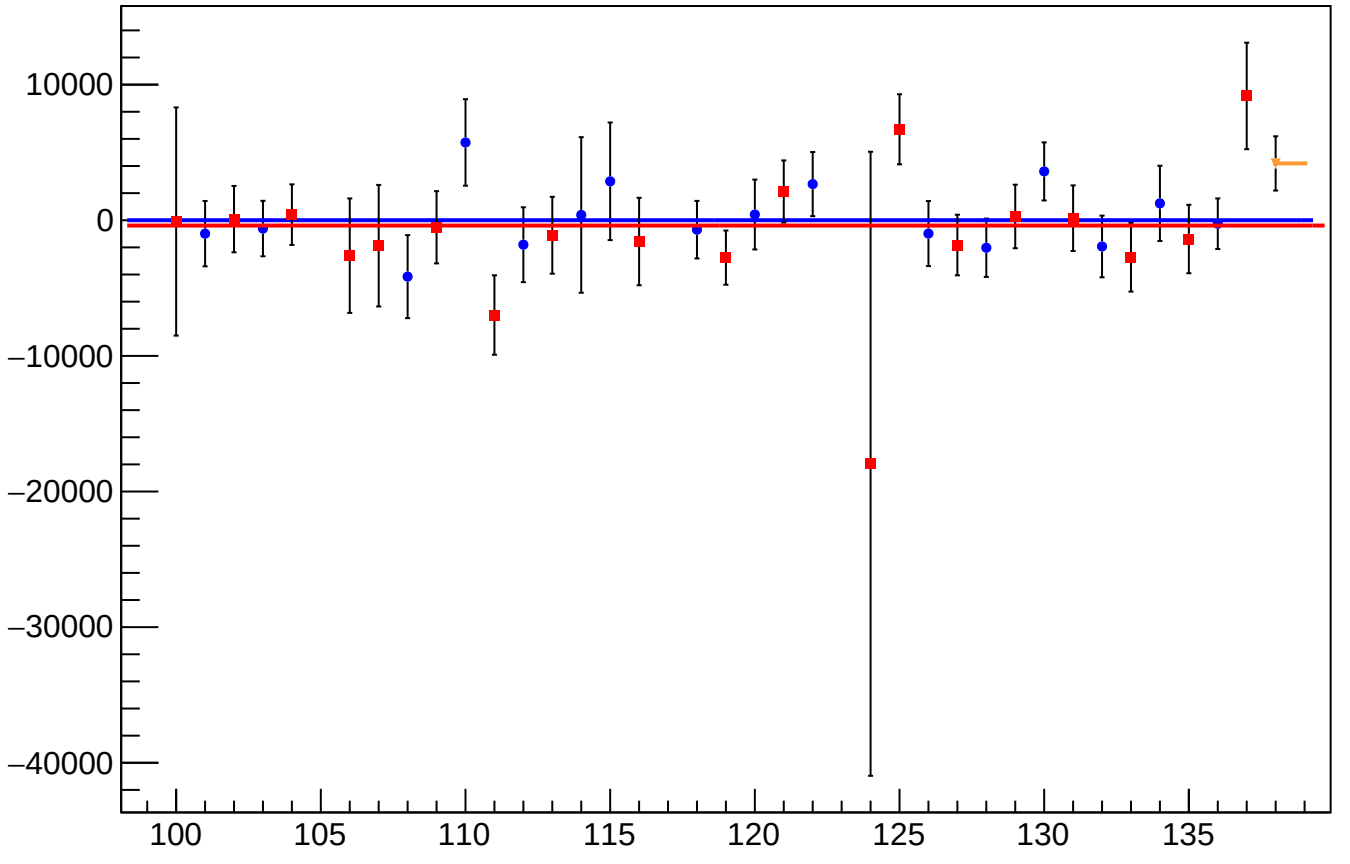
Left: 4377.848+/-3.538 χ^2/NDF: 0.0/0

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2434.758+/-0.679 χ^2/NDF:1456027.7/15

Out: 408.477+/-0.223 χ^2/NDF:12671995.3/19

All: 605.228+/-0.212 χ^2/NDF: 22157102.4/35



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 4191.047+/-2000.318 χ^2/NDF:0.0/0

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

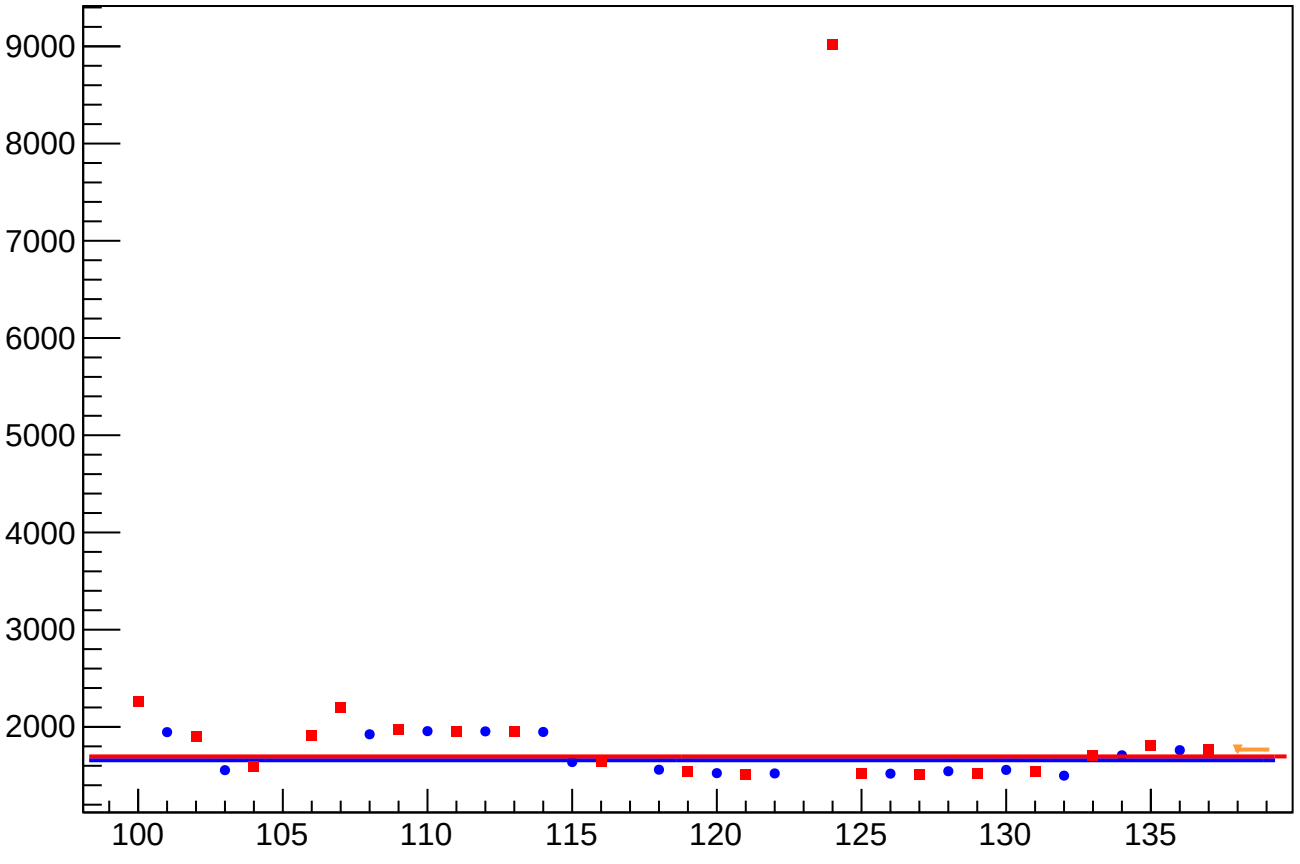
Left: 4191.047+/-2000.318 χ^2/NDF: 0.0/0

Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: 4.295+/-619.905 χ^2/NDF:12.4/15

Out: 28.674+/-604.100 χ^2/NDF:28.8/19

All: 16.799+/-432.643 χ^2/NDF: 41.3/35



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1767.103+/-1.414 χ^2/NDF:0.0/0

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

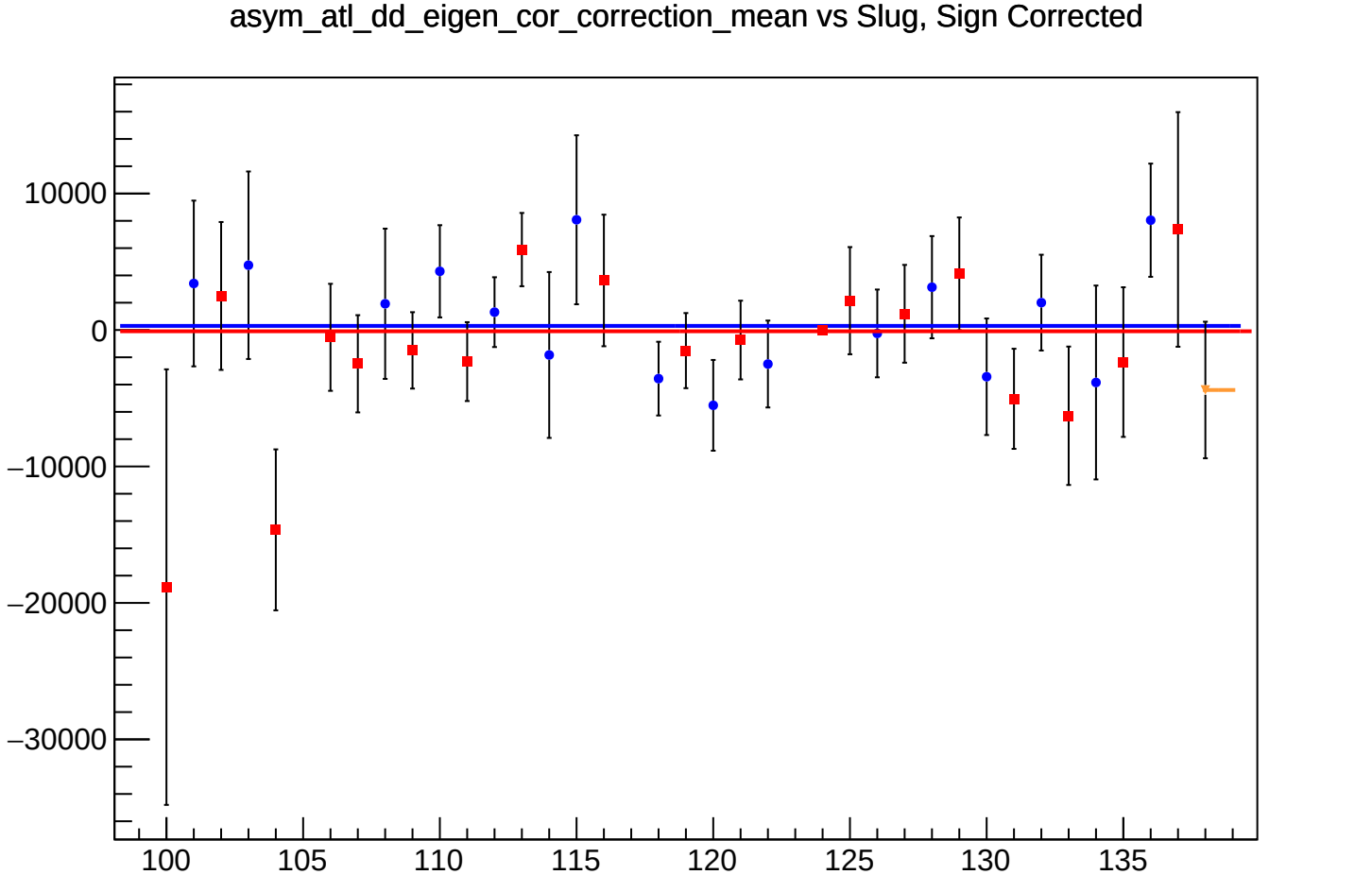
Left: 1767.103+/-1.414 χ^2/NDF: 0.0/0

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1657.119+/-0.438 χ^2/NDF:143982.5/15

Out: 1702.838+/-0.426 χ^2/NDF:390244.2/19

All: 1680.655+/-0.305 χ^2/NDF: 539827.0/35



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: -4396.091+/-5002.975 χ^2/NDF:0.0/0

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

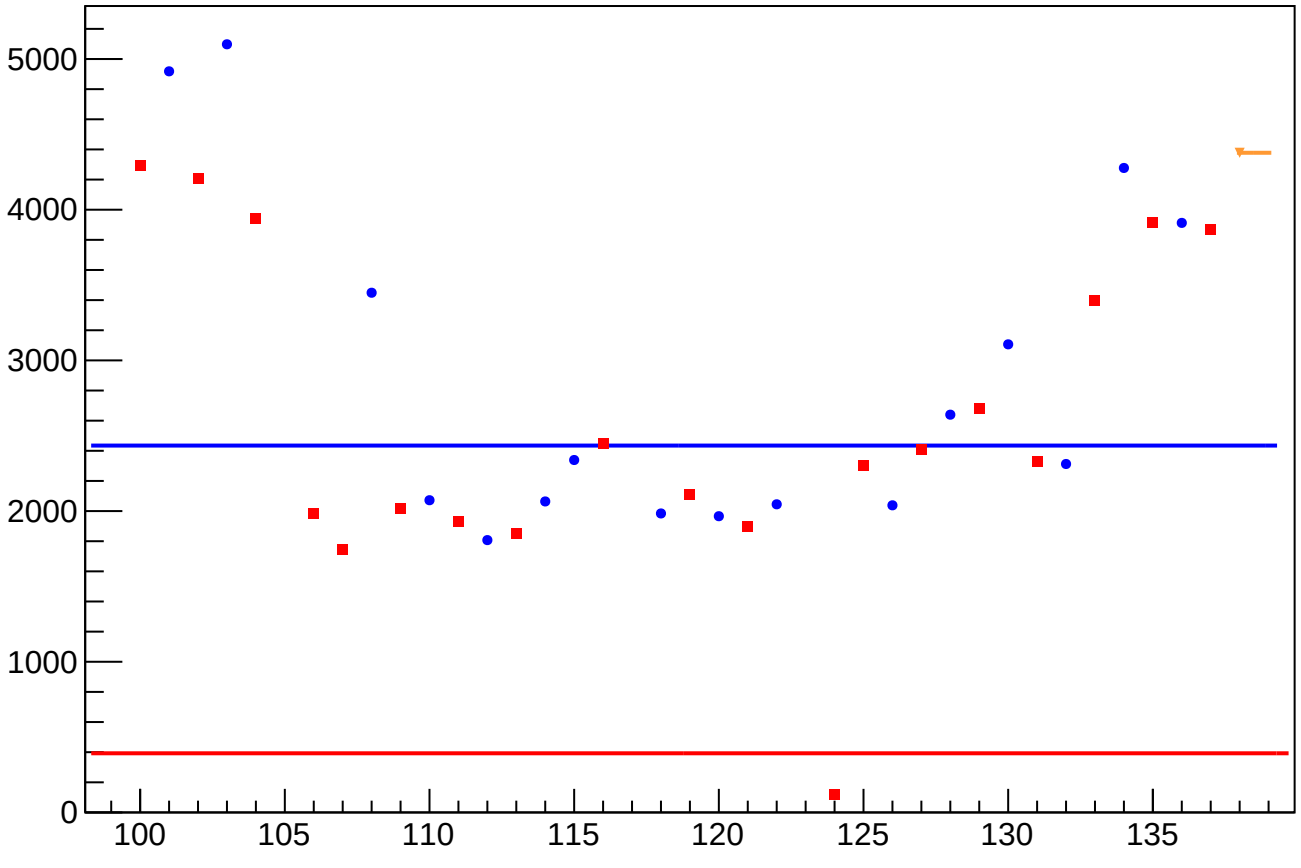
Left: -4396.091+/-5002.975 χ^2/NDF: 0.0/0

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 301.839+/-960.952 χ^2/NDF:15.3/15

Out: -109.319+/-315.130 χ^2/NDF:21.4/19

All: -69.395+/-299.440 χ^2/NDF: 36.9/35



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 4377.848+/-3.538 χ^2/NDF:0.0/0

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4377.848+/-3.538 χ^2/NDF: 0.0/0

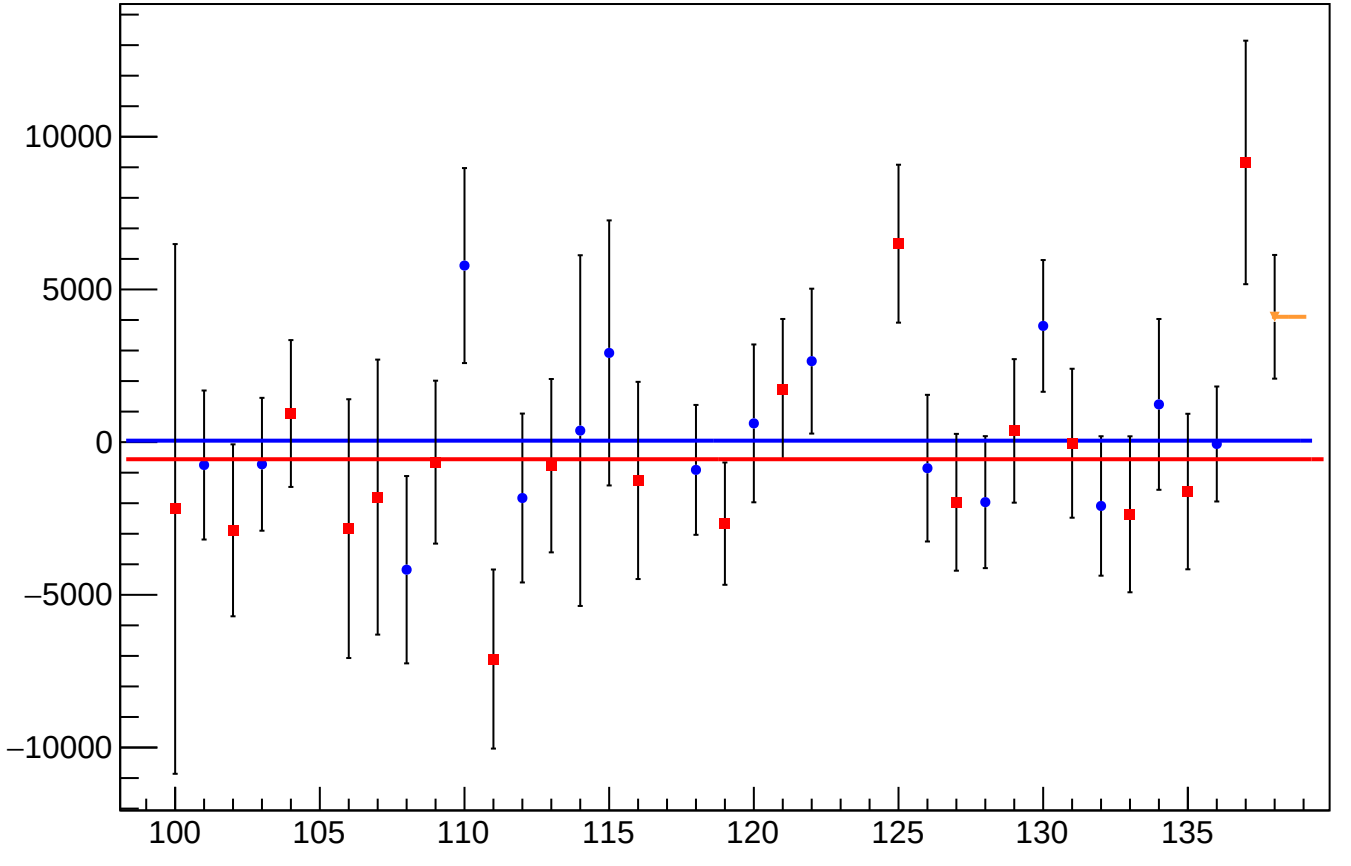
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2434.758+/-0.679 χ^2/NDF:1456027.7/15

Out: 408.477+/-0.223 χ^2/NDF:12671995.3/19

All: 605.228+/-0.212 χ^2/NDF: 22157102.4/35

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 4104.462+/-2025.510 χ^2/NDF:0.0/0

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4104.462+/-2025.510 χ^2/NDF: 0.0/0

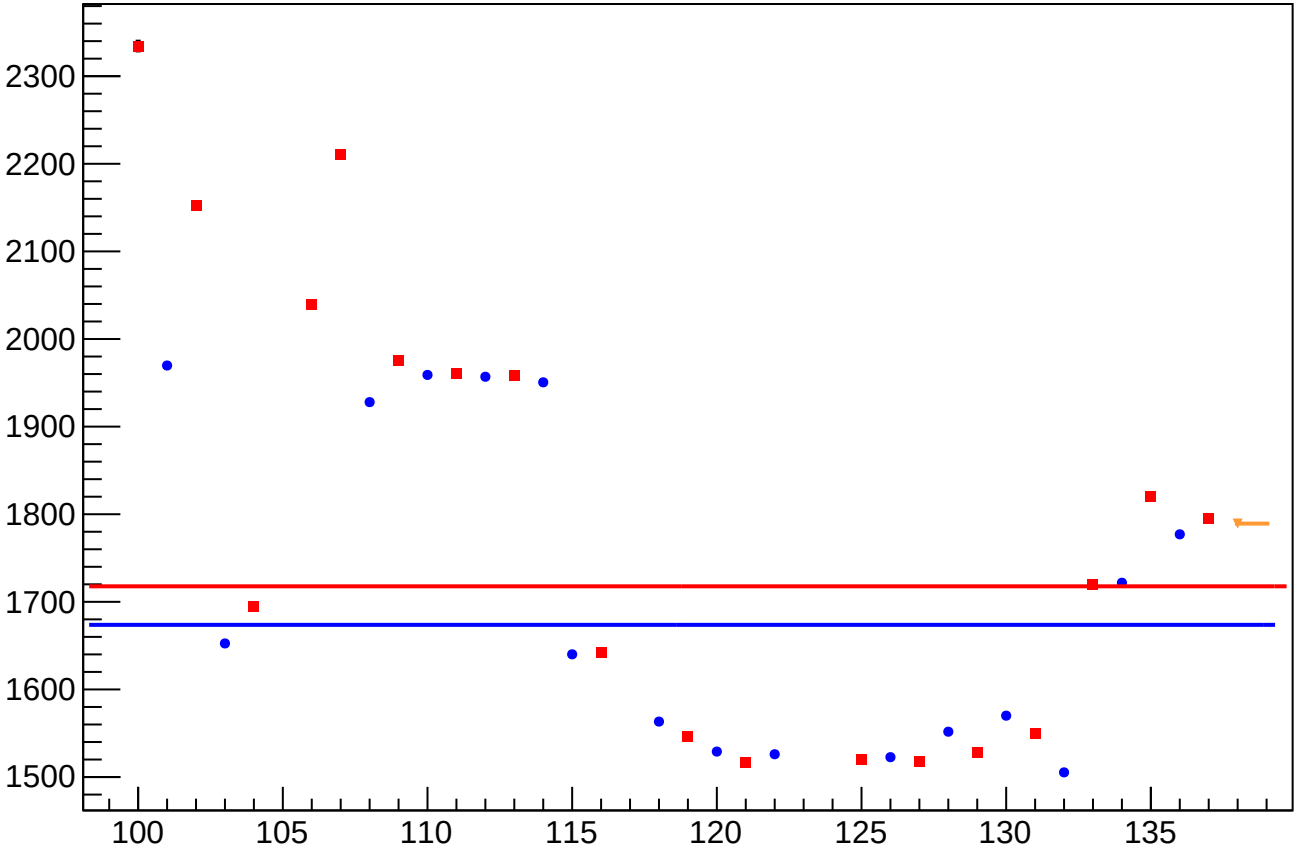
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: 48.331+/-626.151 χ^2/NDF:12.8/15

Out: -129.840+/-614.844 χ^2/NDF:28.1/18

All: -42.378+/-438.703 χ^2/NDF: 40.9/34

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1789.313+/-1.432 χ^2/NDF:0.0/0

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

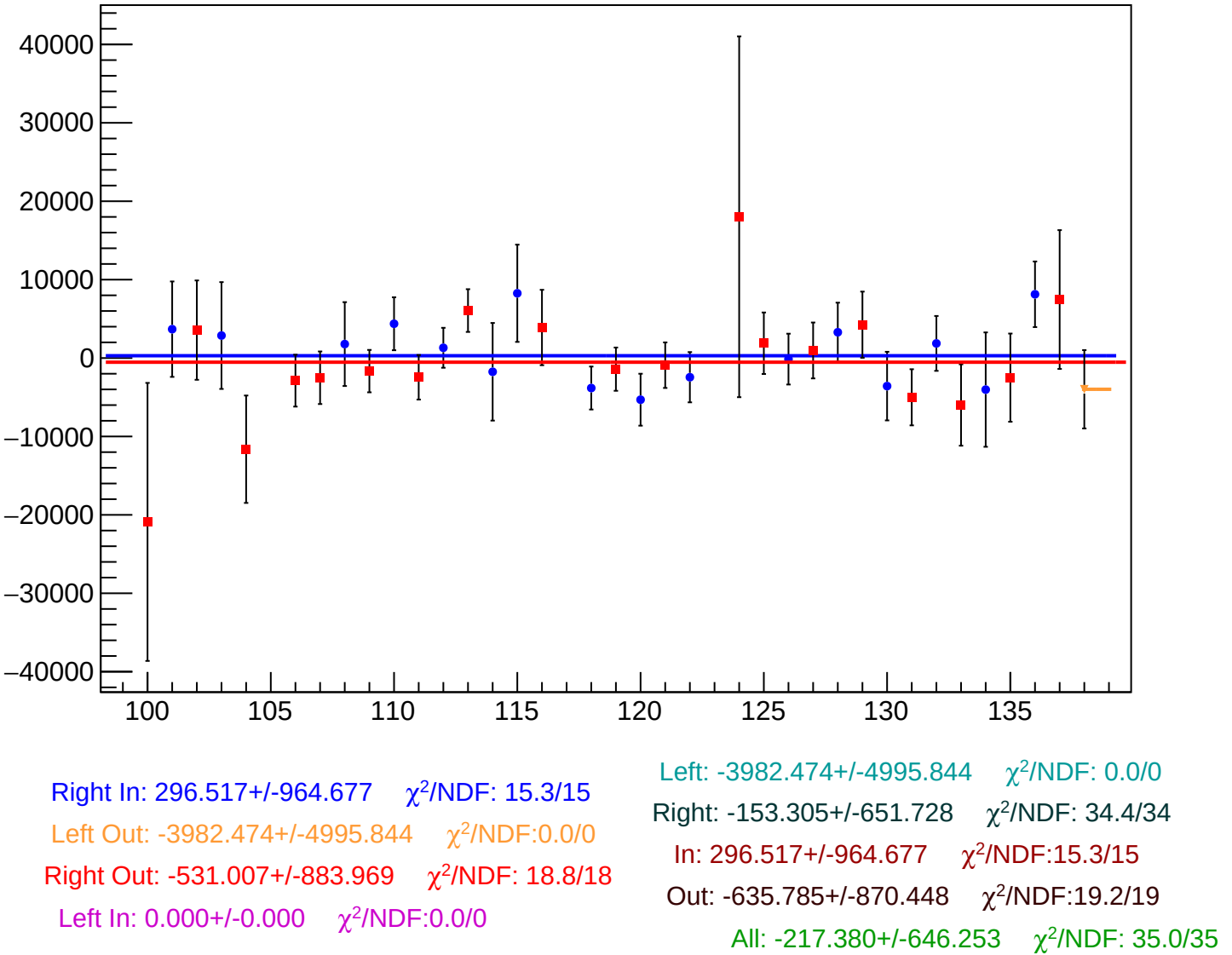
Left: 1789.313+/-1.432 χ^2/NDF: 0.0/0

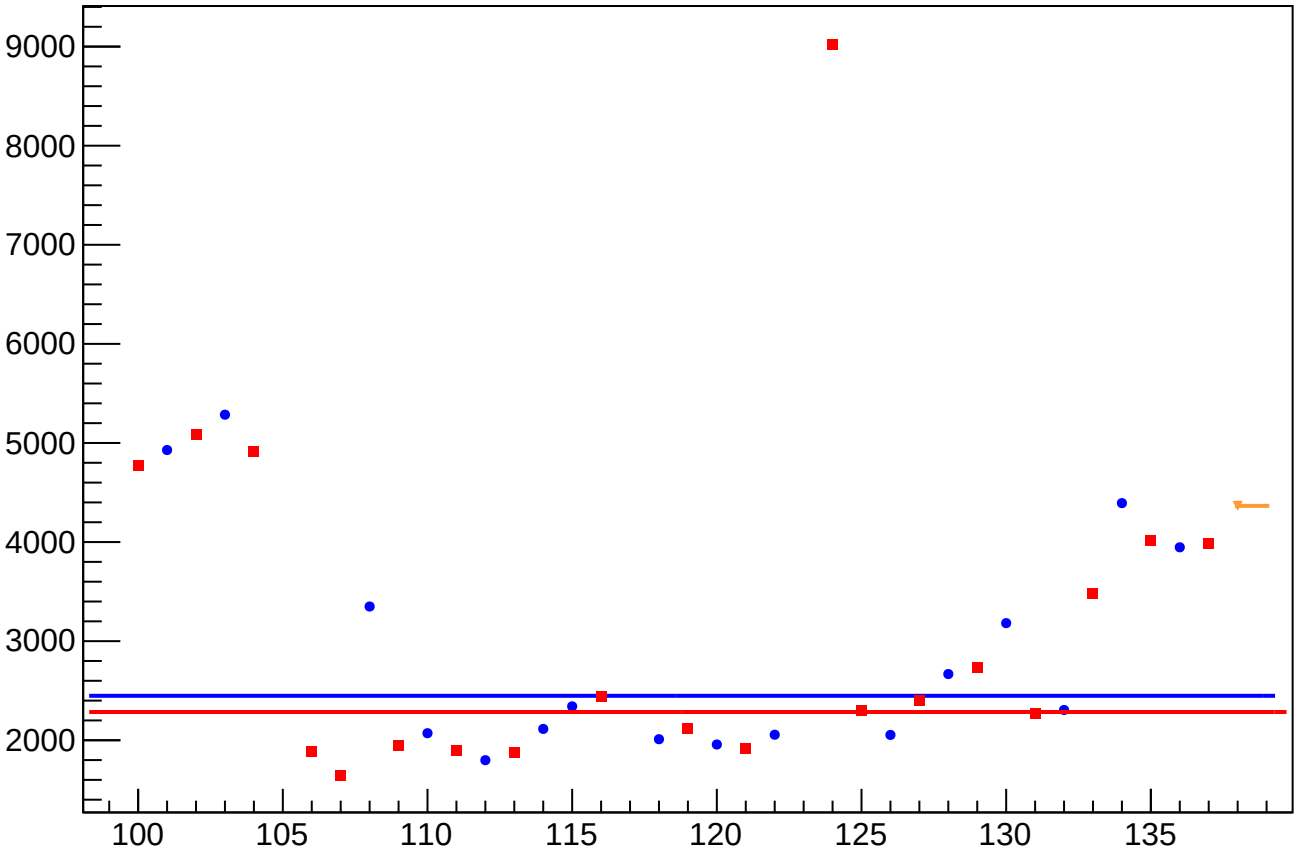
Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1673.729+/-0.443 χ^2/NDF:140873.1/15

Out: 1724.283+/-0.434 χ^2/NDF:229911.8/18

All: 1699.520+/-0.310 χ^2/NDF: 377436.1/34


asym_atl_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
Right In: 296.517+/-964.677 χ²/NDF: 15.3/15
Left Out: -3982.474+/-4995.844 χ²/NDF:0.0/0
Right Out: -531.007+/-883.969 χ²/NDF: 18.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -3982.474+/-4995.844 χ²/NDF: 0.0/0
Right: -153.305+/-651.728 χ²/NDF: 34.4/34
In: 296.517+/-964.677 χ²/NDF:15.3/15
Out: -635.785+/-870.448 χ²/NDF:19.2/19
All: -217.380+/-646.253 χ²/NDF: 35.0/35



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4365.244+/-3.533 χ^2/NDF:0.0/0

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

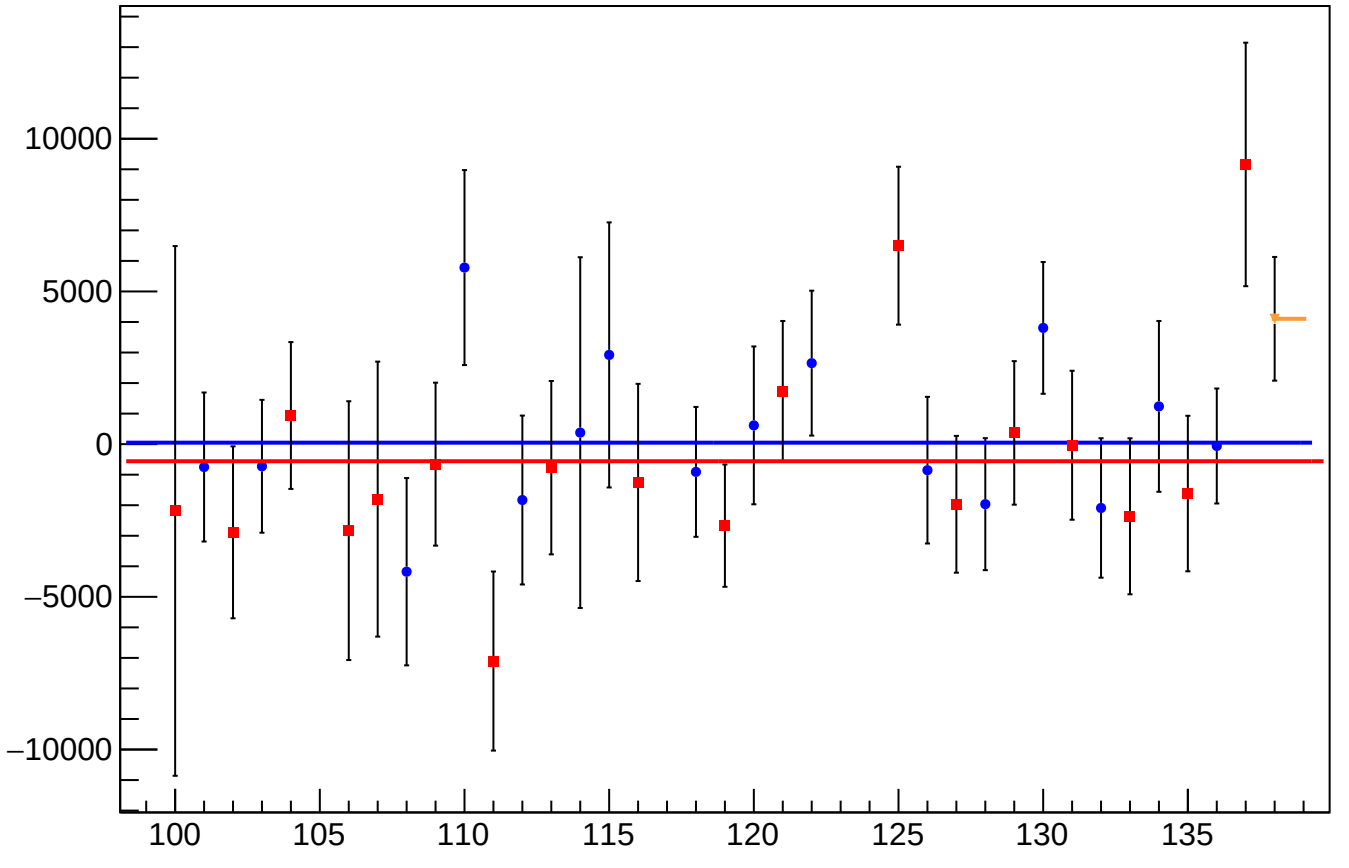
Left: 4365.244+/-3.533 χ^2/NDF: 0.0/0

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2448.598+/-0.682 χ^2/NDF:1517585.7/15

Out: 2348.224+/-0.615 χ^2/NDF:1885037.3/19

All: 2393.270+/-0.457 χ^2/NDF: 3414558.2/35



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 4104.428+/-2025.510 χ^2/NDF:0.0/0

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

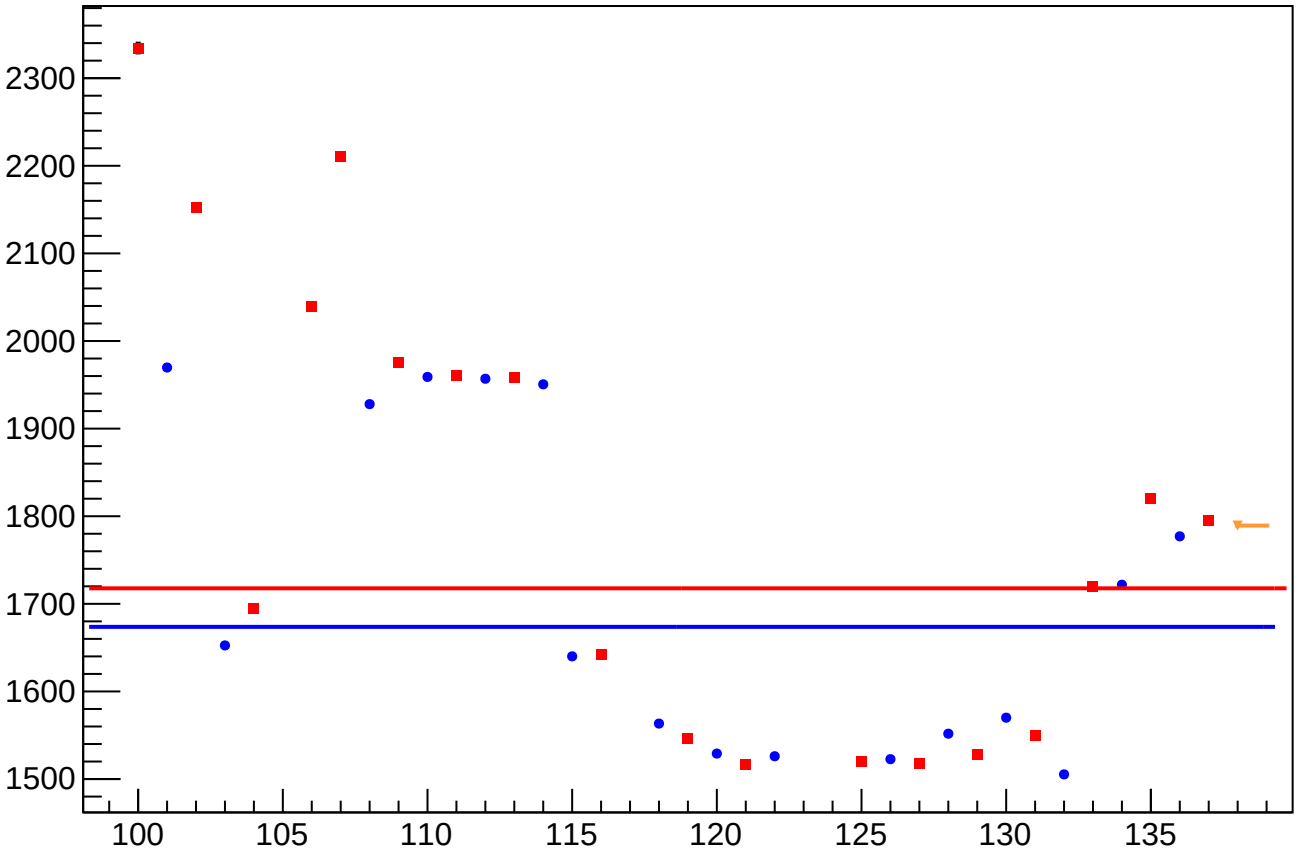
Left: 4104.428+/-2025.510 χ^2/NDF: 0.0/0

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: 48.329+/-626.151 χ^2/NDF:12.8/15

Out: -129.845+/-614.843 χ^2/NDF:28.1/18

All: -42.381+/-438.703 χ^2/NDF: 40.9/34



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1789.313+/-1.432 χ^2/NDF:0.0/0

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

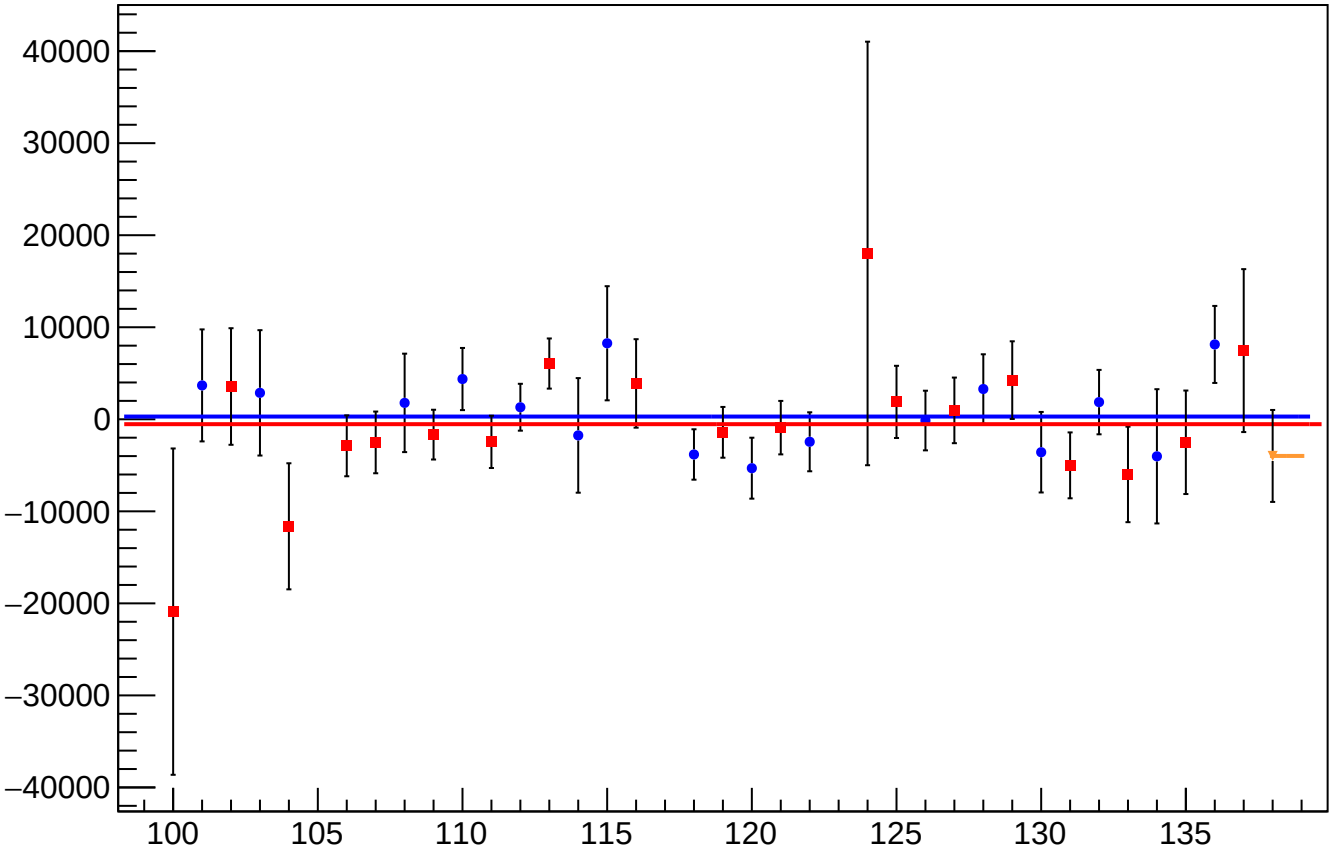
Left: 1789.313+/-1.432 χ^2/NDF: 0.0/0

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1673.728+/-0.443 χ^2/NDF:140873.1/15

Out: 1724.283+/-0.434 χ^2/NDF:229911.1/18

All: 1699.519+/-0.310 χ^2/NDF: 377435.4/34



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -3982.501+/-4995.864 χ^2/NDF:0.0/0

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

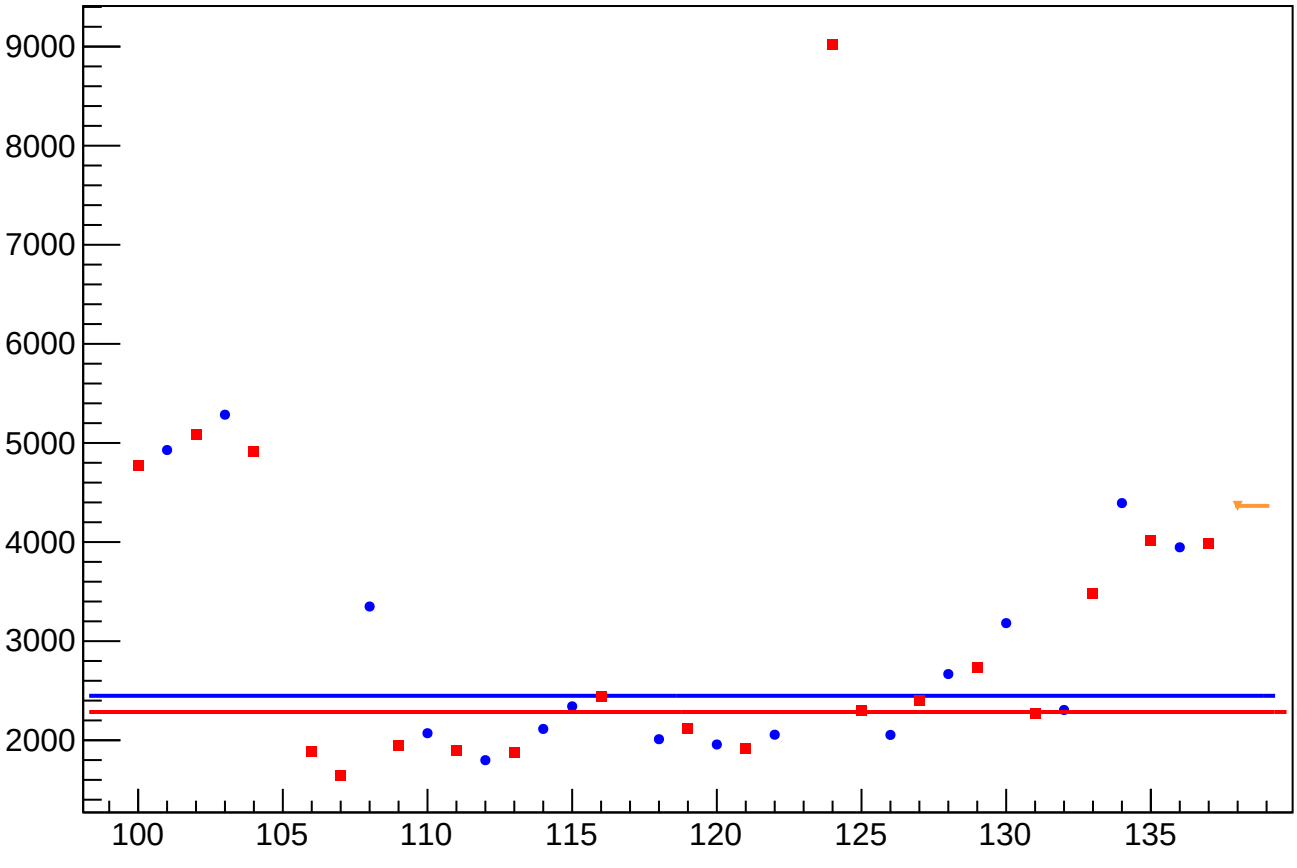
Left: -3982.501+/-4995.864 χ^2/NDF: 0.0/0

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 296.511+/-964.673 χ^2/NDF:15.3/15

Out: -635.786+/-870.445 χ^2/NDF:19.2/19

All: -217.383+/-646.250 χ^2/NDF: 35.0/35



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4365.261+/-3.533 χ^2/NDF:0.0/0

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

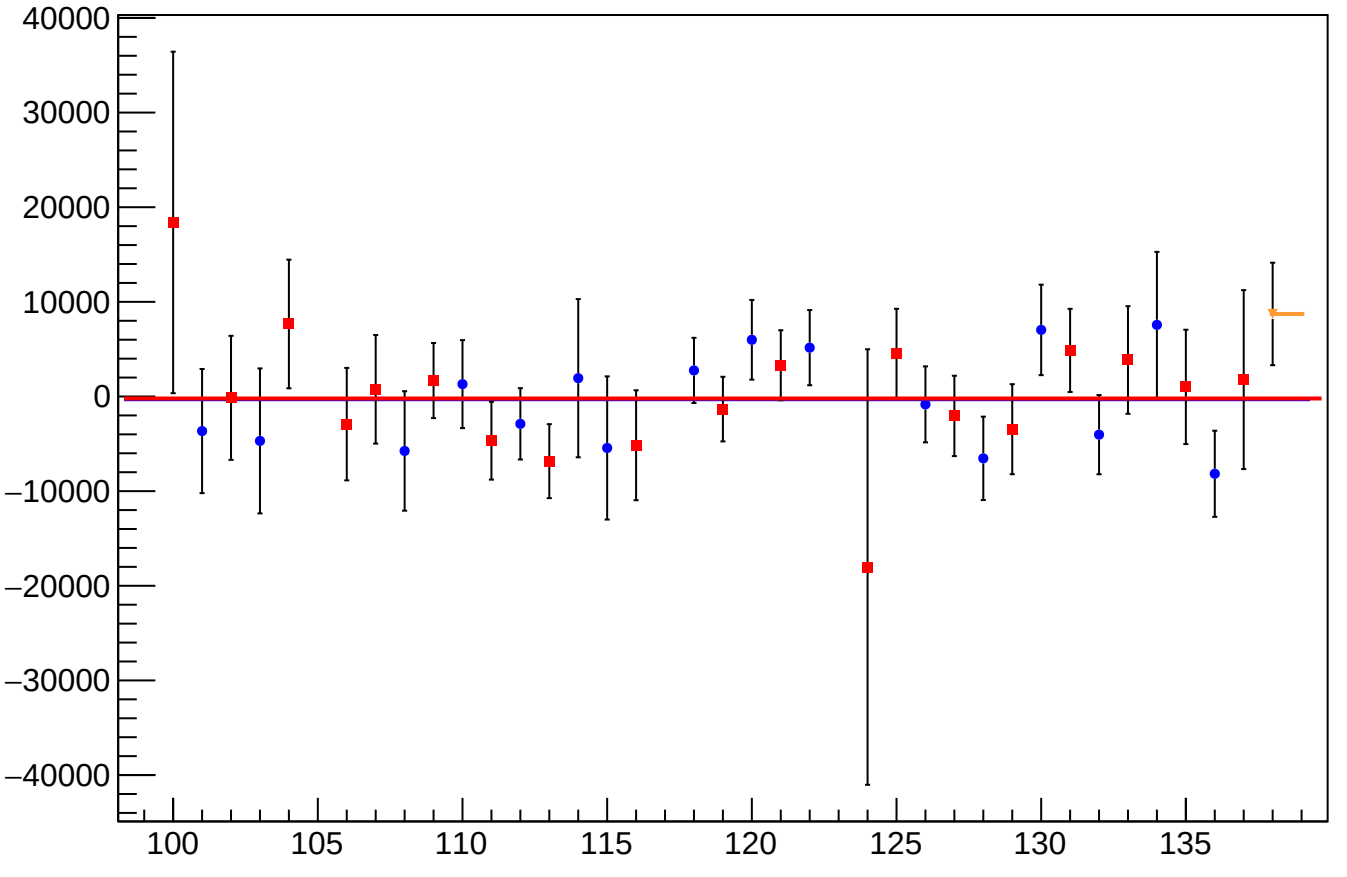
Left: 4365.261+/-3.533 χ^2/NDF: 0.0/0

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 2448.587+/-0.682 χ^2/NDF:1517598.4/15

Out: 2348.215+/-0.615 χ^2/NDF:1885051.3/19

All: 2393.261+/-0.457 χ^2/NDF: 3414584.6/35



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 8722.159+/-5414.234 χ^2/NDF:0.0/0

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 8722.159+/-5414.234 χ^2/NDF: 0.0/0

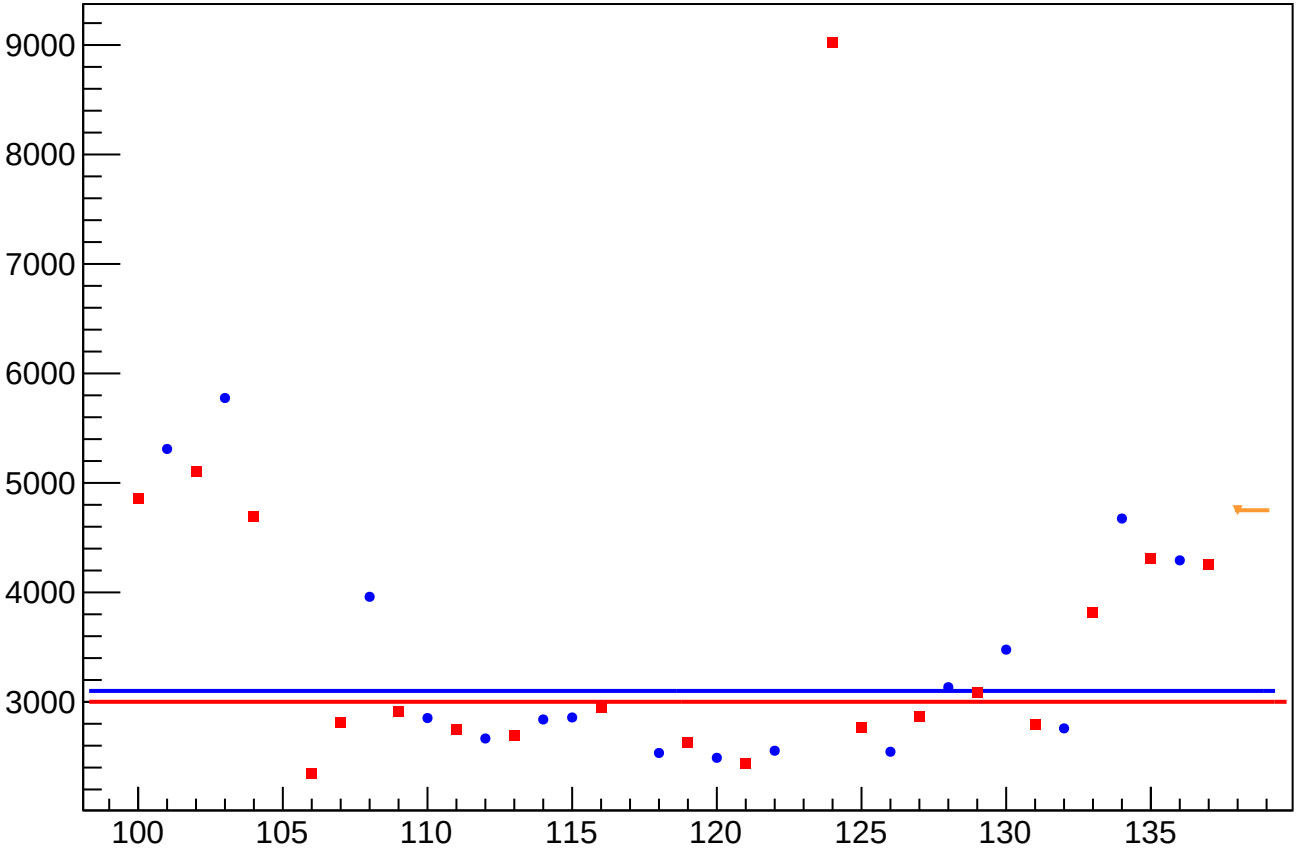
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -287.276+/-1197.339 χ^2/NDF:16.6/15

Out: 178.488+/-1128.407 χ^2/NDF:15.5/19

All: -40.601+/-821.192 χ^2/NDF: 32.1/35

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4750.395+/-3.828 χ^2/NDF:0.0/0

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

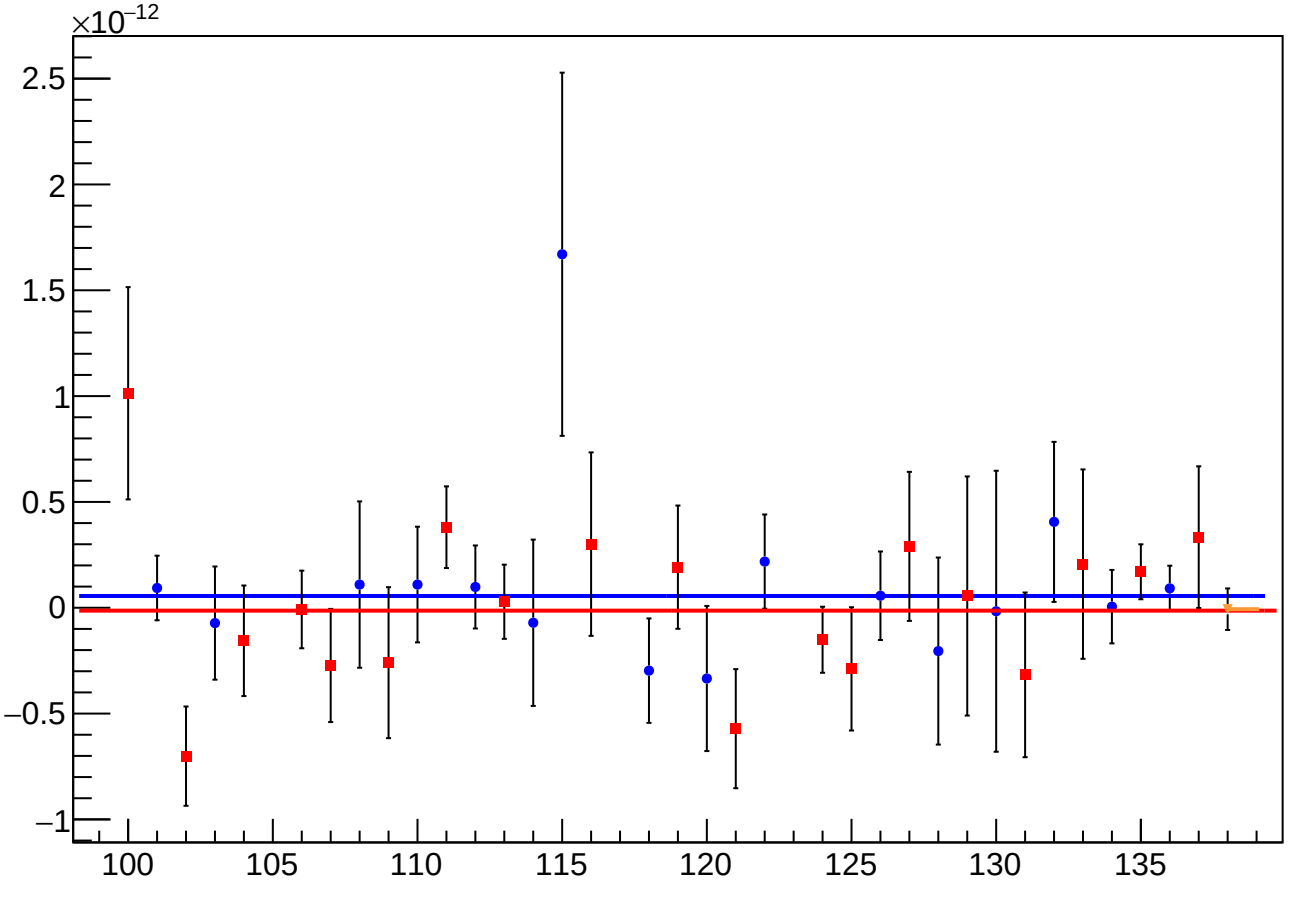
Left: 4750.395+/-3.828 χ^2/NDF: 0.0/0

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3100.135+/-0.847 χ^2/NDF:963669.6/15

Out: 3074.797+/-0.788 χ^2/NDF:1006622.5/19

All: 3086.552+/-0.577 χ^2/NDF: 1970772.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

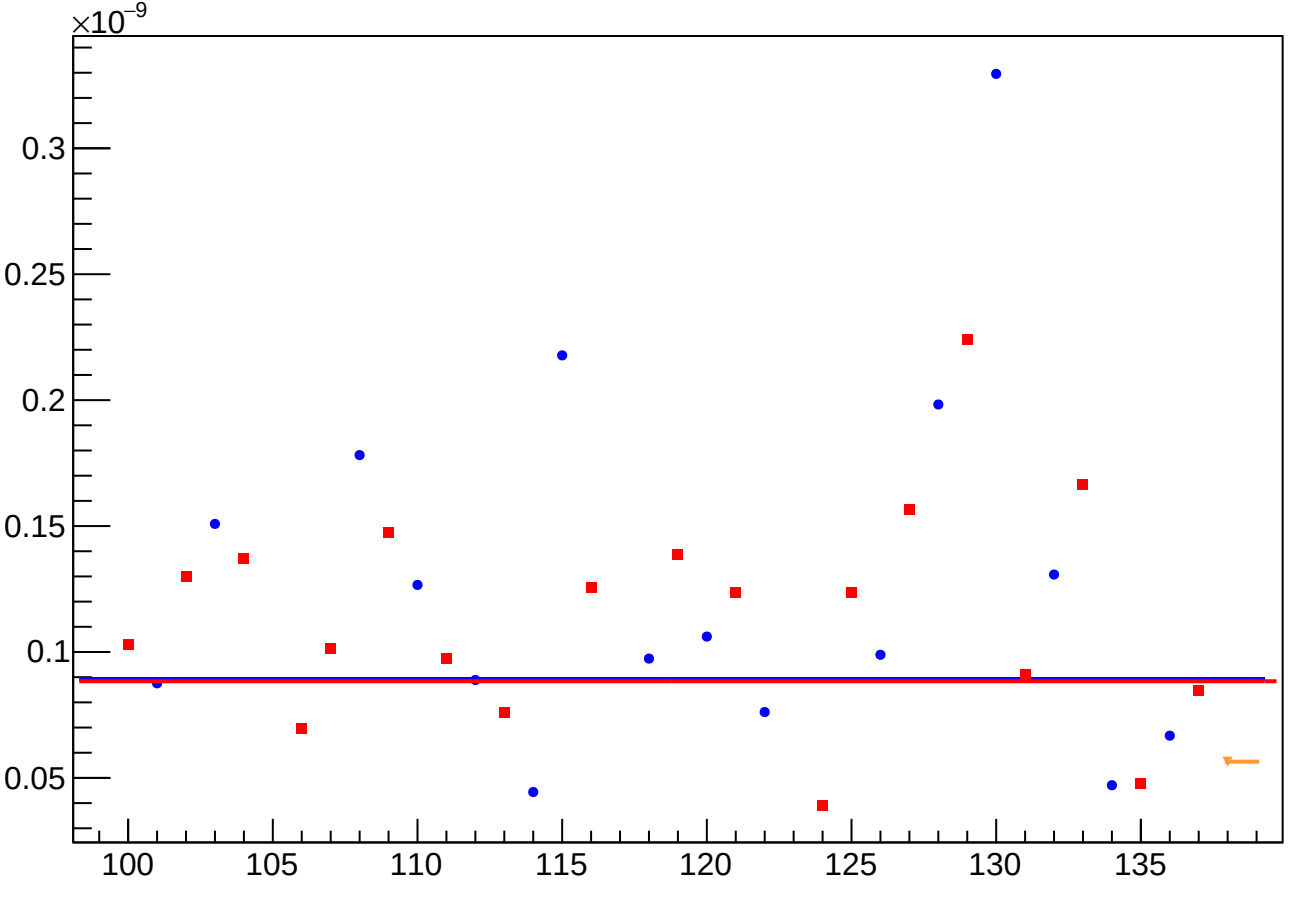
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:9.3/15

Out: -0.000+/-0.000 χ^2/NDF:30.0/19

All: 0.000+/-0.000 χ^2/NDF: 40.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

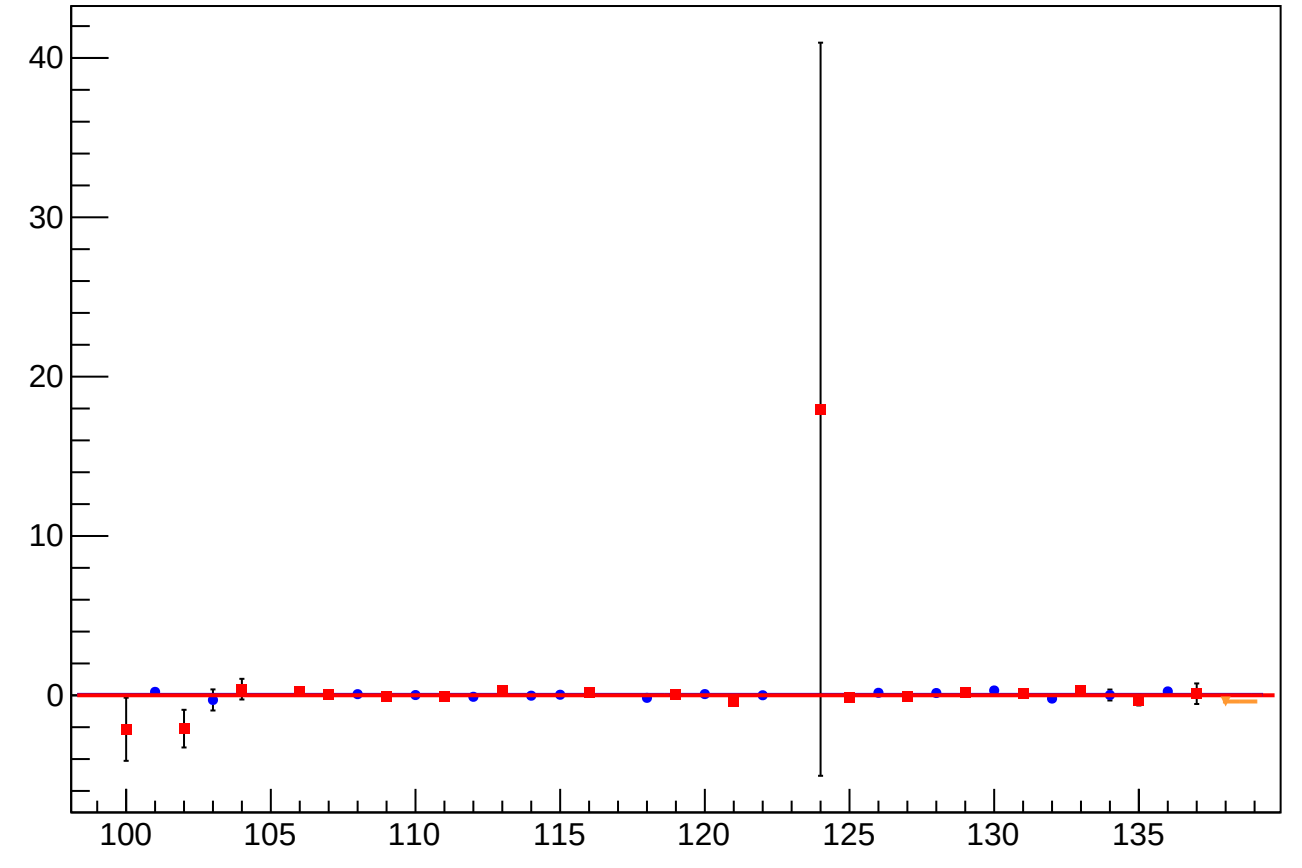
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:949608.0/15

Out: 0.000+/-0.000 χ^2/NDF:1173800.5/19

All: 0.000+/-0.000 χ^2/NDF: 2150660.6/35



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.387+/-0.293 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.387+/-0.293 χ^2/NDF: 0.0/0

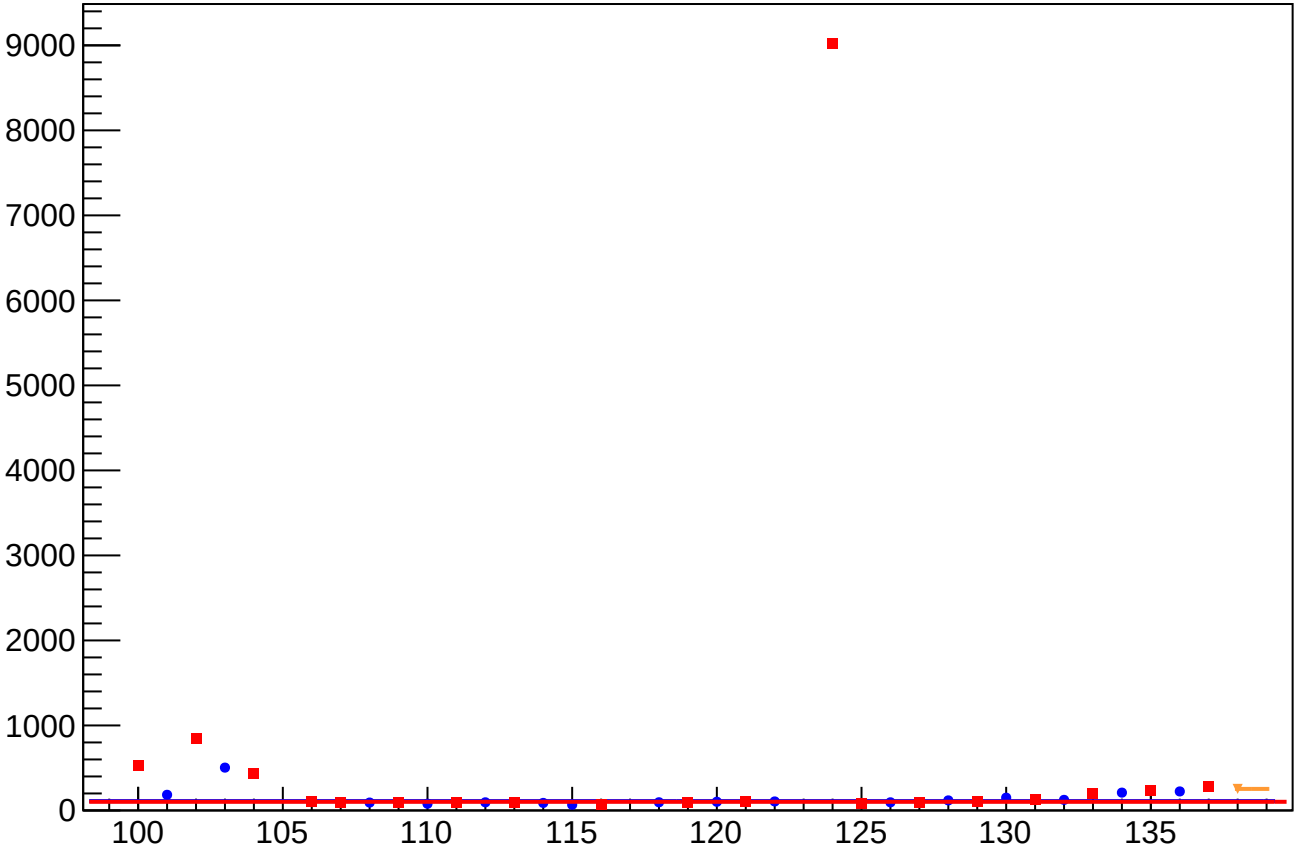
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.028+/-0.045 χ^2/NDF:8.9/15

Out: -0.005+/-0.043 χ^2/NDF:24.1/19

All: 0.011+/-0.031 χ^2/NDF: 33.3/35

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: 253.498+/-0.207 χ^2/NDF:0.0/0

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 253.498+/-0.207 χ^2/NDF: 0.0/0

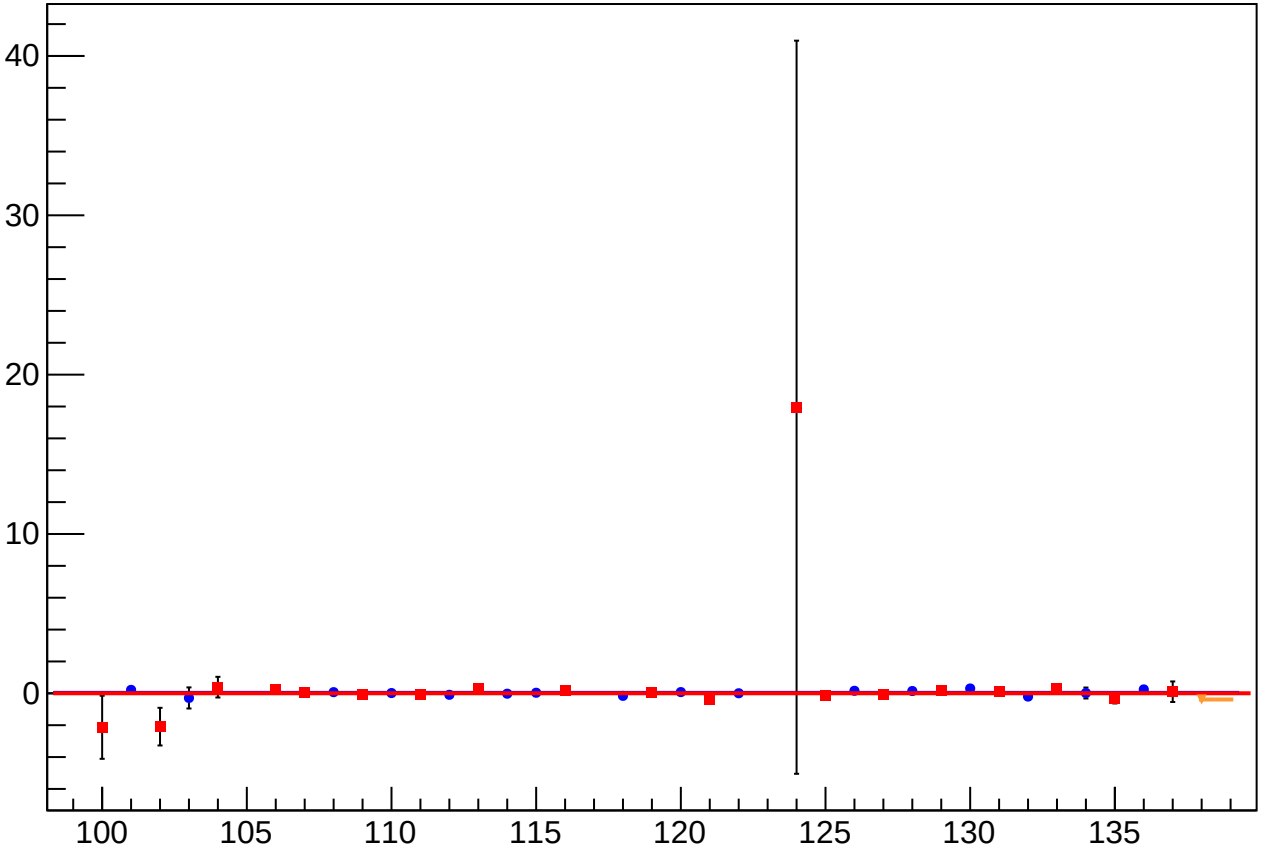
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 109.988+/-0.032 χ^2/NDF:1930558.2/15

Out: 105.106+/-0.030 χ^2/NDF:3114355.4/19

All: 107.414+/-0.022 χ^2/NDF: 5057160.6/35

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.387+/-0.293 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.387+/-0.293 χ^2/NDF: 0.0/0

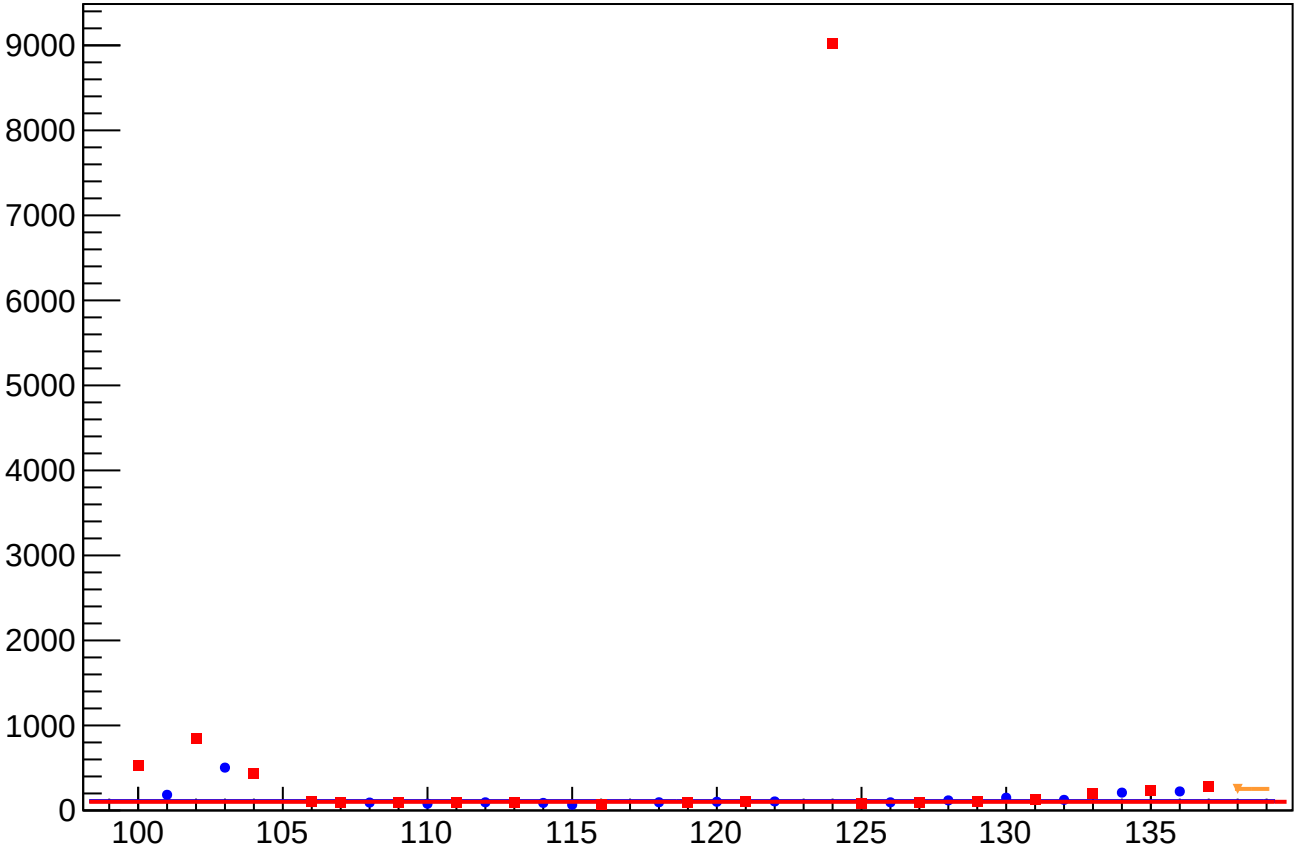
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.028+/-0.045 χ^2/NDF:8.9/15

Out: -0.005+/-0.043 χ^2/NDF:24.1/19

All: 0.011+/-0.031 χ^2/NDF: 33.3/35

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: 253.498+/-0.207 χ^2/NDF:0.0/0

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

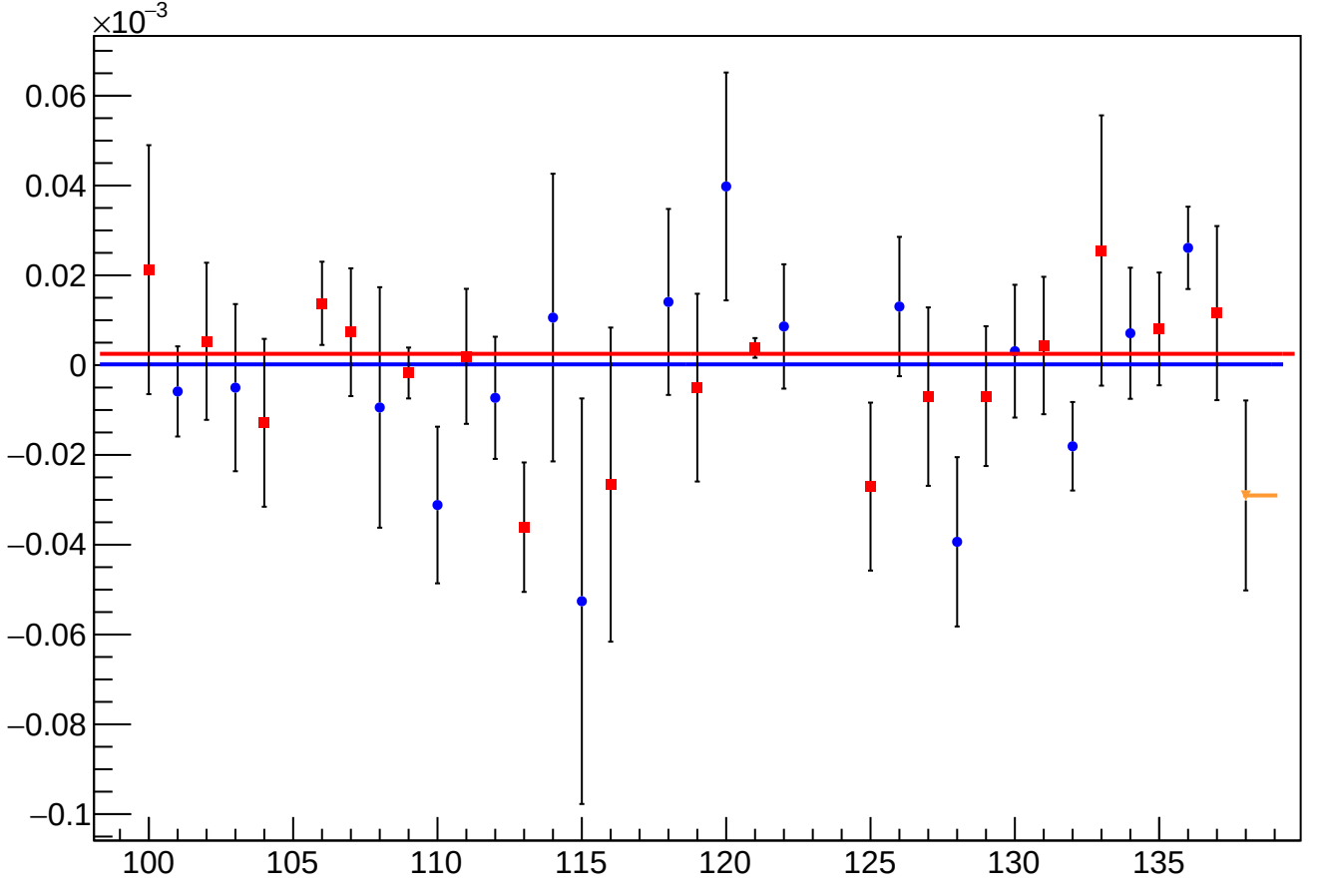
Left: 253.498+/-0.207 χ^2/NDF: 0.0/0

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 109.988+/-0.032 χ^2/NDF:1930558.2/15

Out: 105.106+/-0.030 χ^2/NDF:3114355.4/19

All: 107.414+/-0.022 χ^2/NDF: 5057160.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

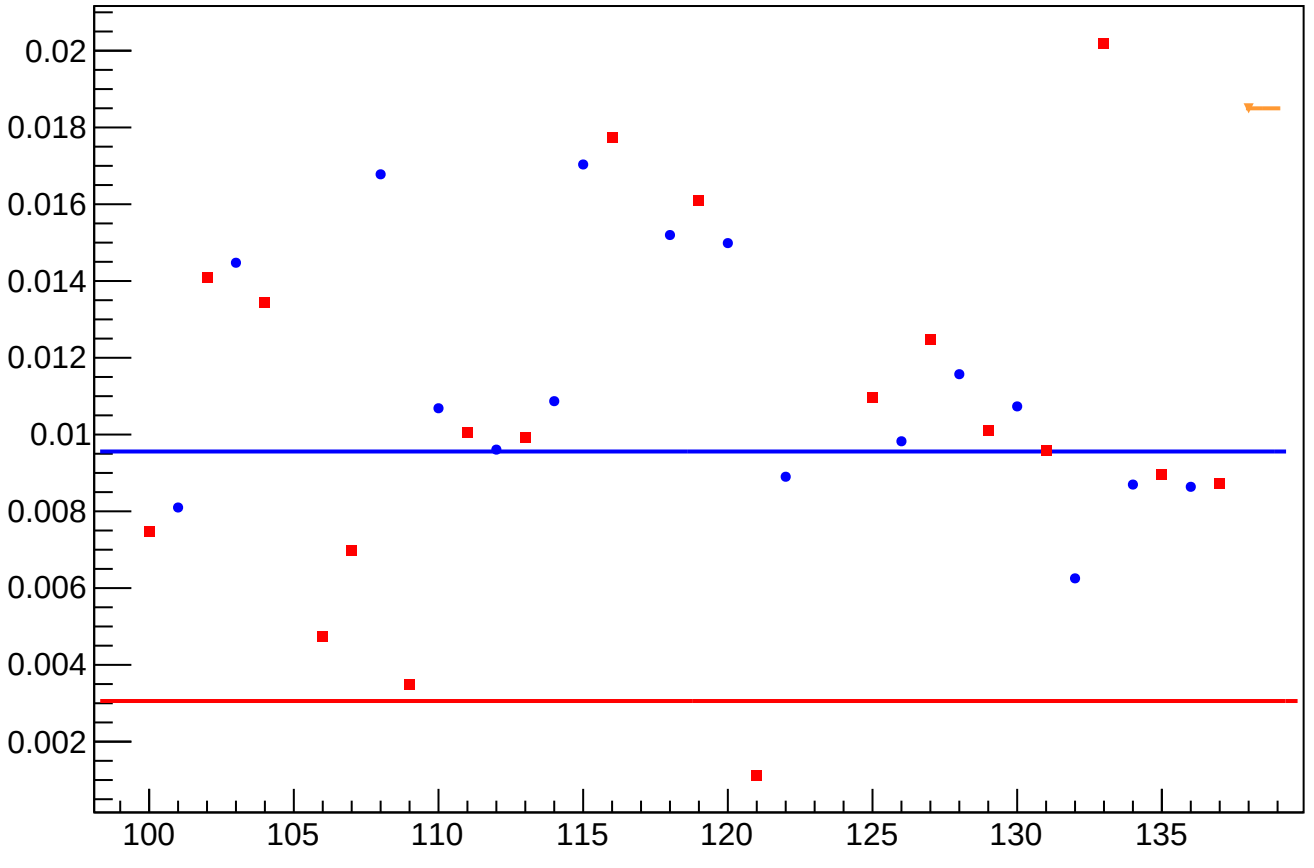
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: 0.000+/-0.000 χ^2/NDF:25.6/15

Out: 0.000+/-0.000 χ^2/NDF:18.0/18

All: 0.000+/-0.000 χ^2/NDF: 43.8/34



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.018+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

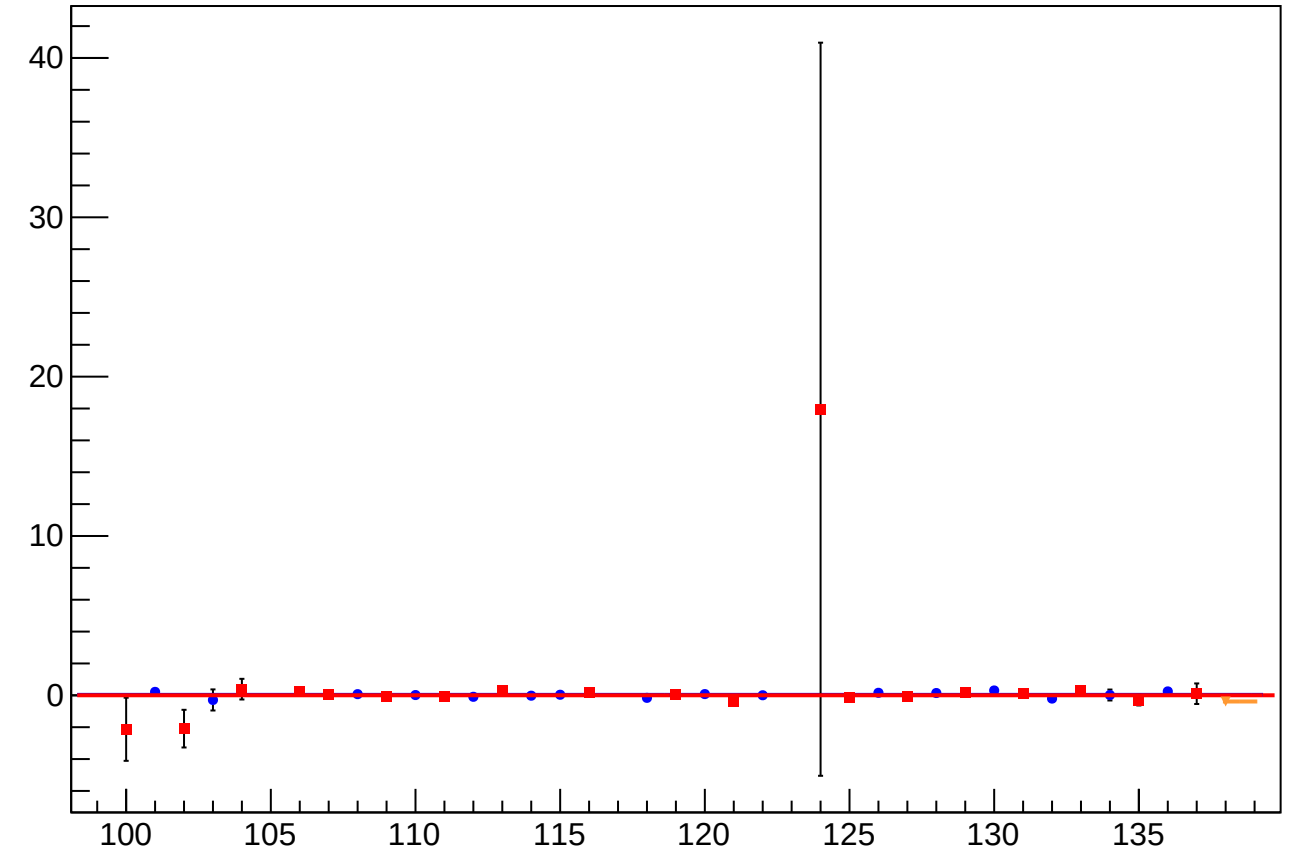
Left: 0.018+/-0.000 χ^2/NDF: 0.0/0

Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.010+/-0.000 χ^2/NDF:926018.8/15

Out: 0.003+/-0.000 χ^2/NDF:9180408.8/18

All: 0.004+/-0.000 χ^2/NDF: 14838446.4/34



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.387+/-0.293 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.387+/-0.293 χ^2/NDF: 0.0/0

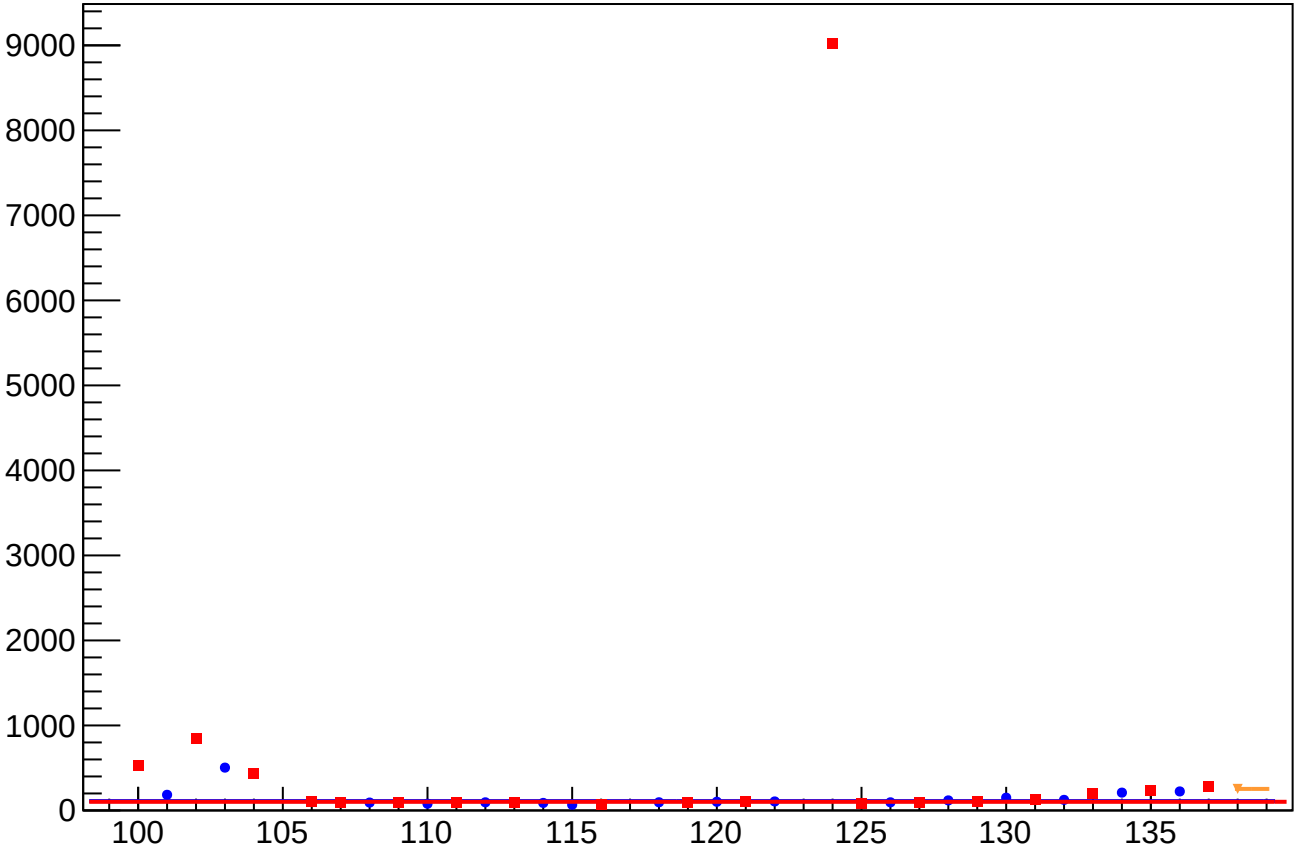
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.028+/-0.045 χ^2/NDF:8.9/15

Out: -0.005+/-0.043 χ^2/NDF:24.1/19

All: 0.011+/-0.031 χ^2/NDF: 33.3/35

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: 253.501+/-0.207 χ^2/NDF:0.0/0

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 253.501+/-0.207 χ^2/NDF: 0.0/0

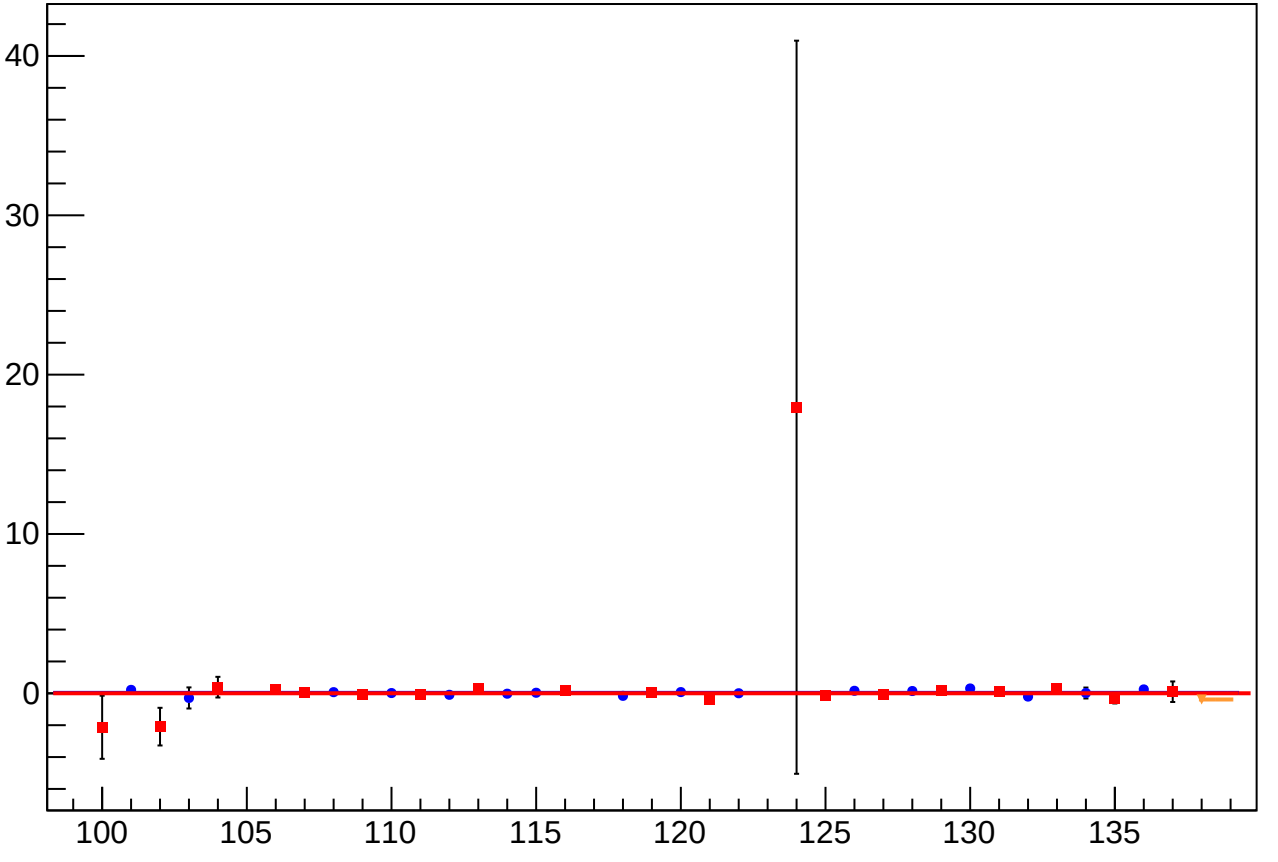
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 109.989+/-0.032 χ^2/NDF:1930489.2/15

Out: 105.107+/-0.030 χ^2/NDF:3114274.3/19

All: 107.415+/-0.022 χ^2/NDF: 5057008.3/35

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: -0.387+/-0.293 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.387+/-0.293 χ^2/NDF: 0.0/0

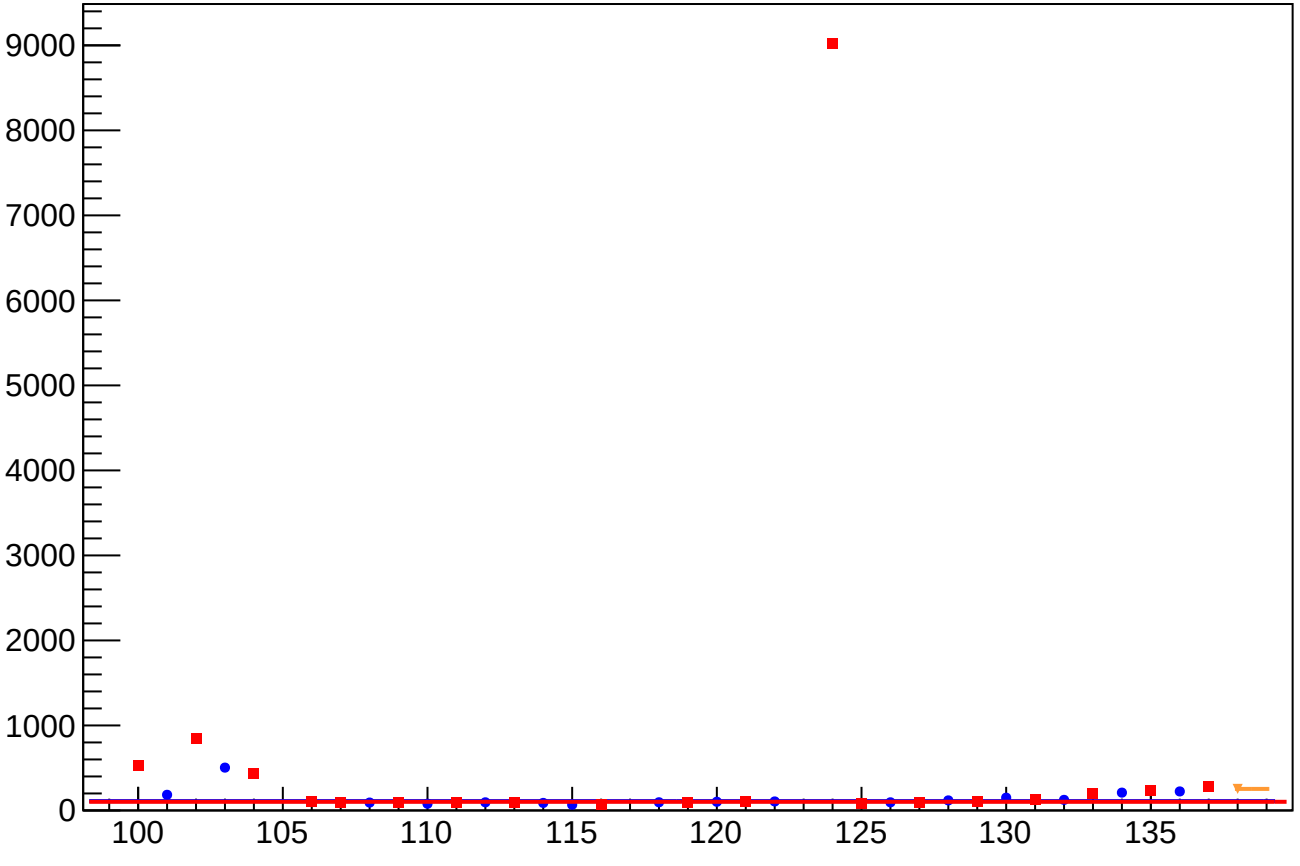
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.028+/-0.045 χ^2/NDF:8.9/15

Out: -0.005+/-0.043 χ^2/NDF:24.1/19

All: 0.011+/-0.031 χ^2/NDF: 33.3/35

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: 253.501+/-0.207 χ^2/NDF:0.0/0

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

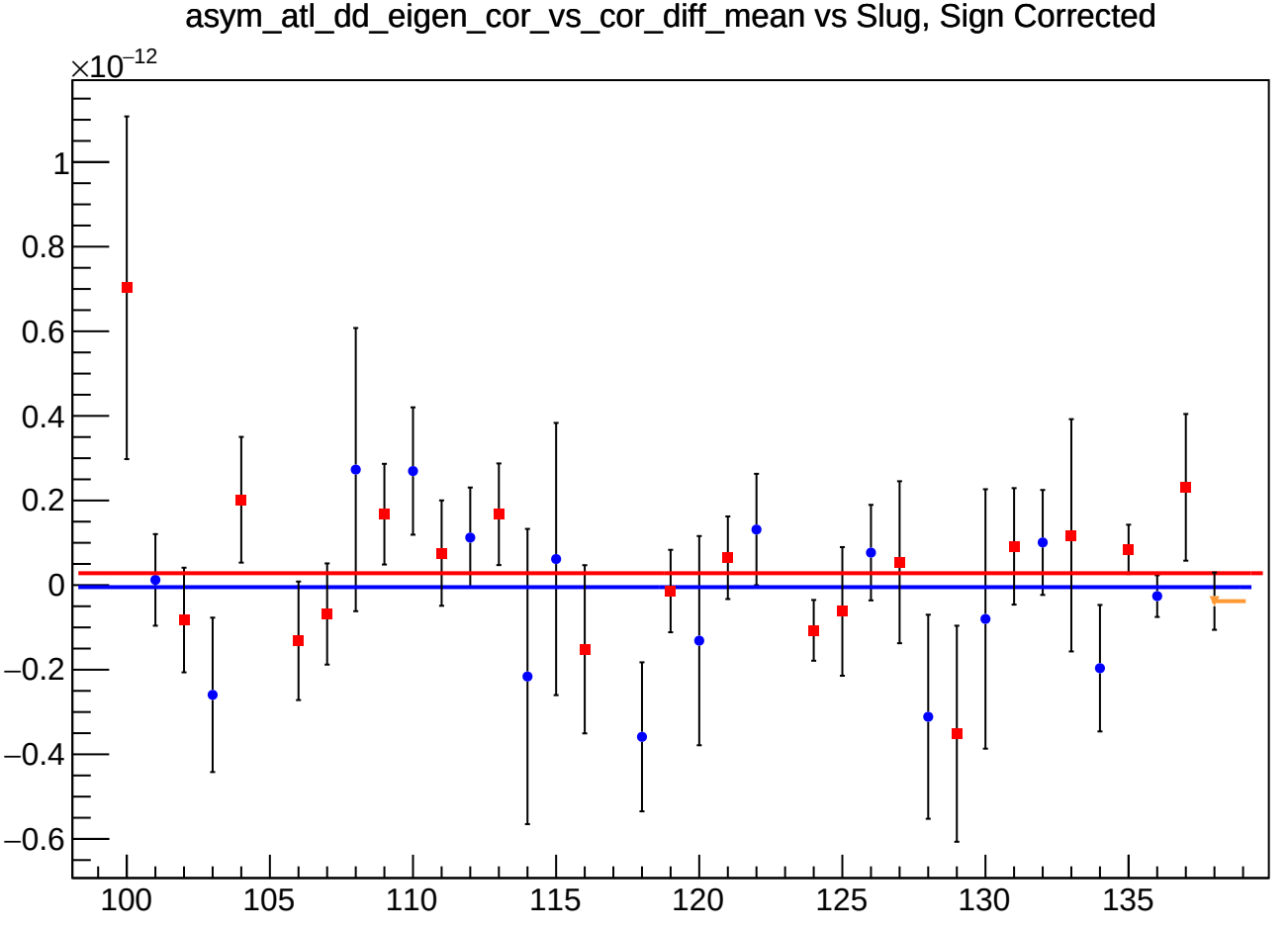
Left: 253.501+/-0.207 χ^2/NDF: 0.0/0

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 109.989+/-0.032 χ^2/NDF:1930489.2/15

Out: 105.107+/-0.030 χ^2/NDF:3114274.3/19

All: 107.415+/-0.022 χ^2/NDF: 5057008.3/35



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

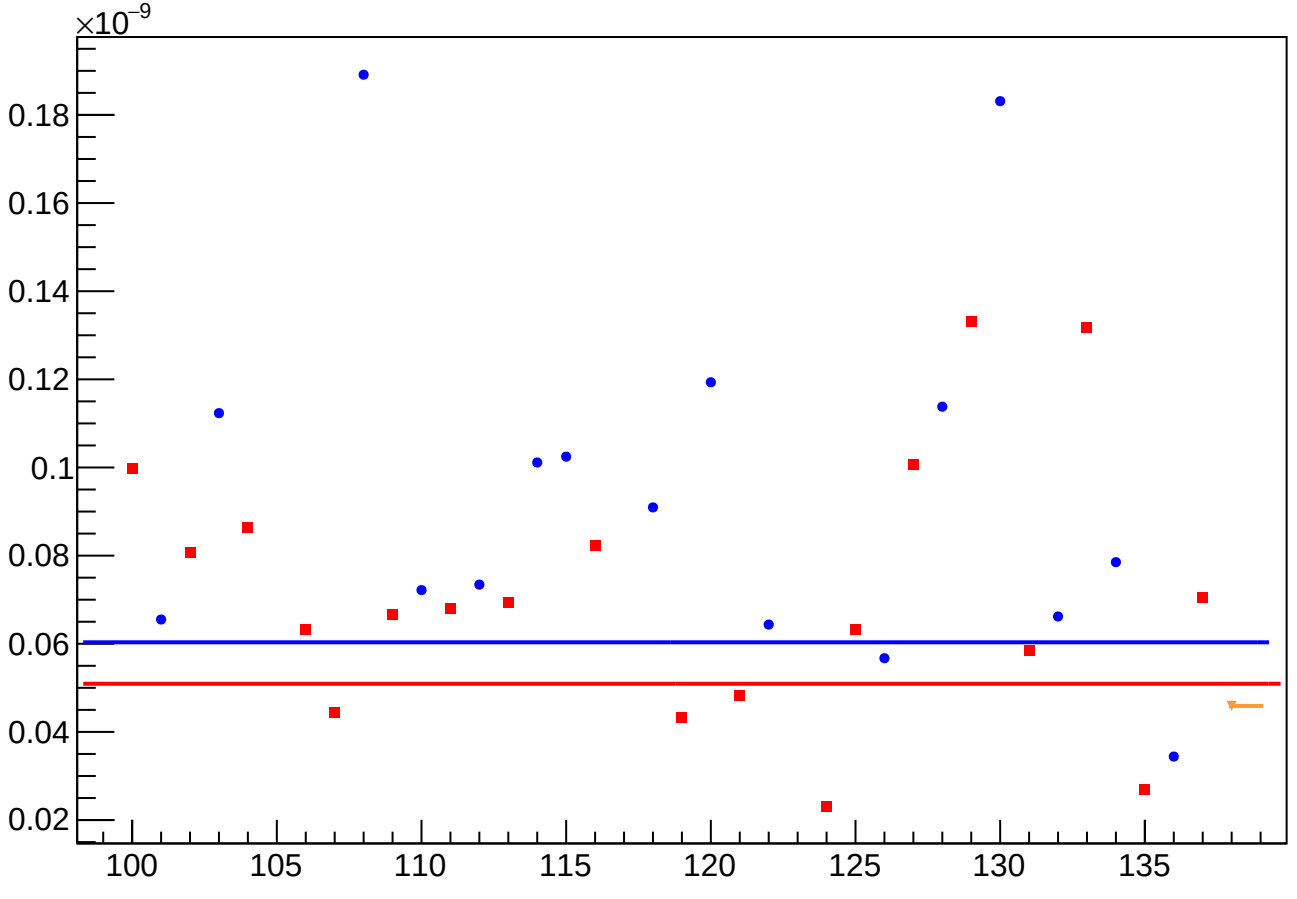
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:17.5/15

Out: 0.000+/-0.000 χ^2/NDF:20.5/19

All: 0.000+/-0.000 χ^2/NDF: 38.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

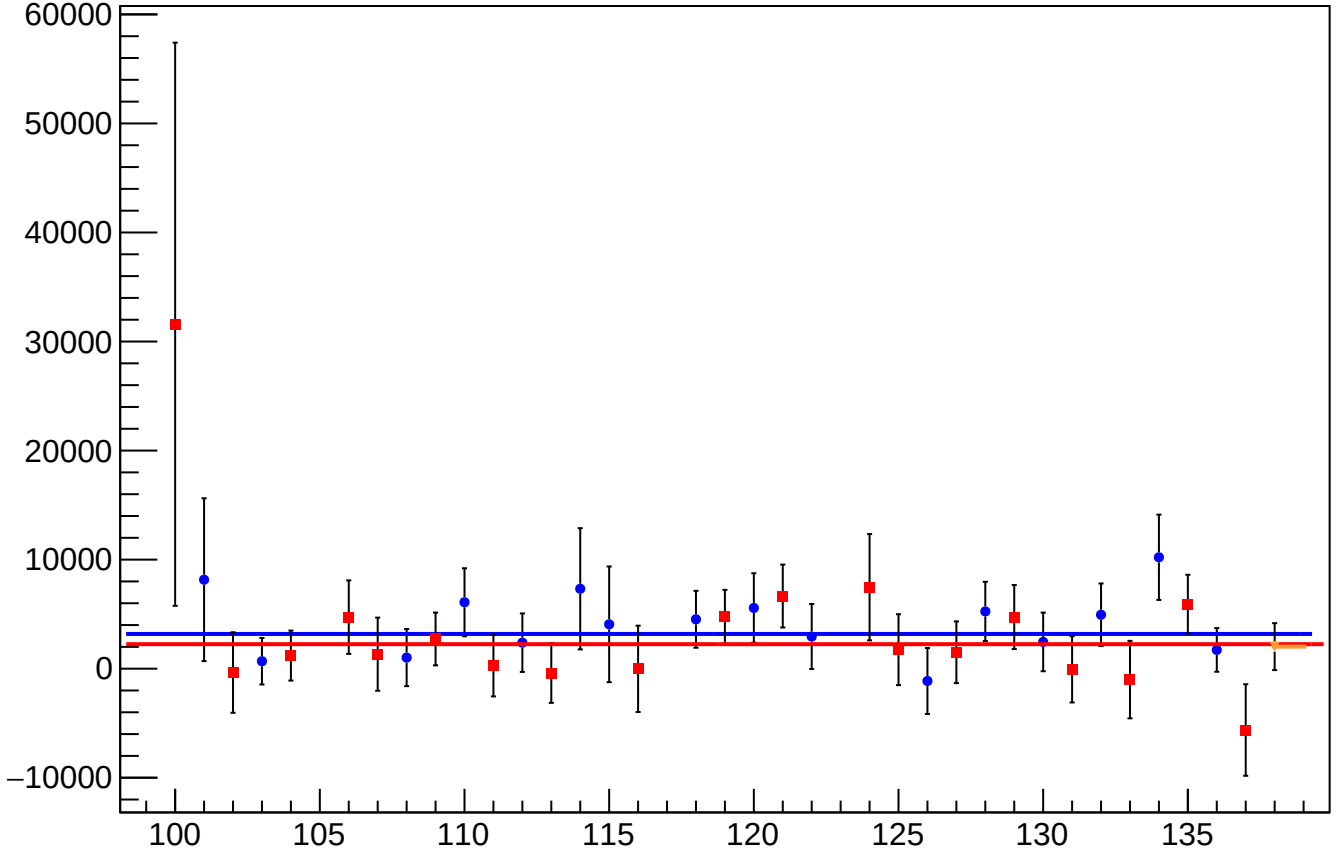
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:1746170.4/15

Out: 0.000+/-0.000 χ^2/NDF:1676468.5/19

All: 0.000+/-0.000 χ^2/NDF: 3546691.1/35

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 2022.335+/-2150.404 χ^2/NDF:0.0/0

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2022.335+/-2150.404 χ^2/NDF: 0.0/0

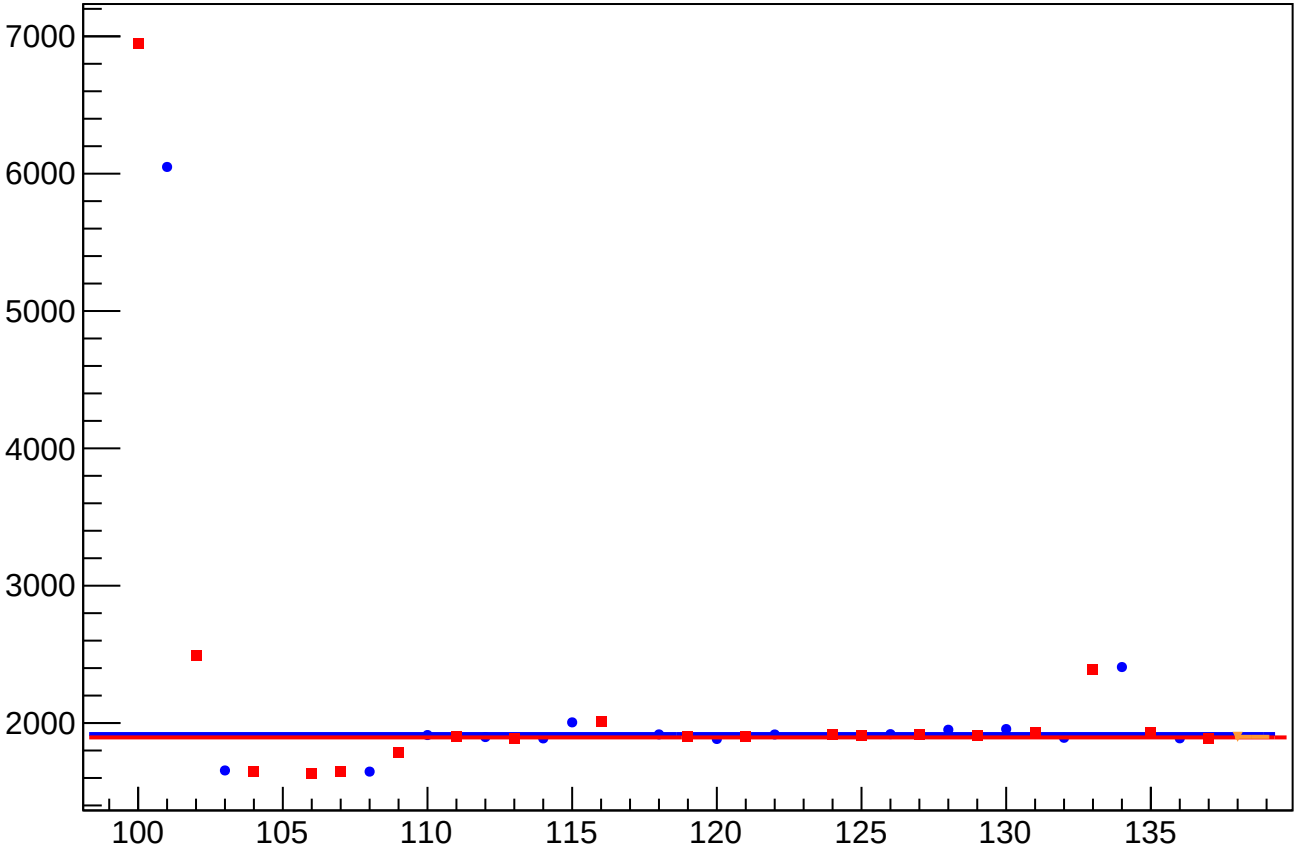
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3183.705+/-731.133 χ^2/NDF:11.7/15

Out: 2224.015+/-674.983 χ^2/NDF:16.5/19

All: 2665.598+/-495.949 χ^2/NDF: 29.1/35

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1899.675+/-1.521 χ^2/NDF:0.0/0

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

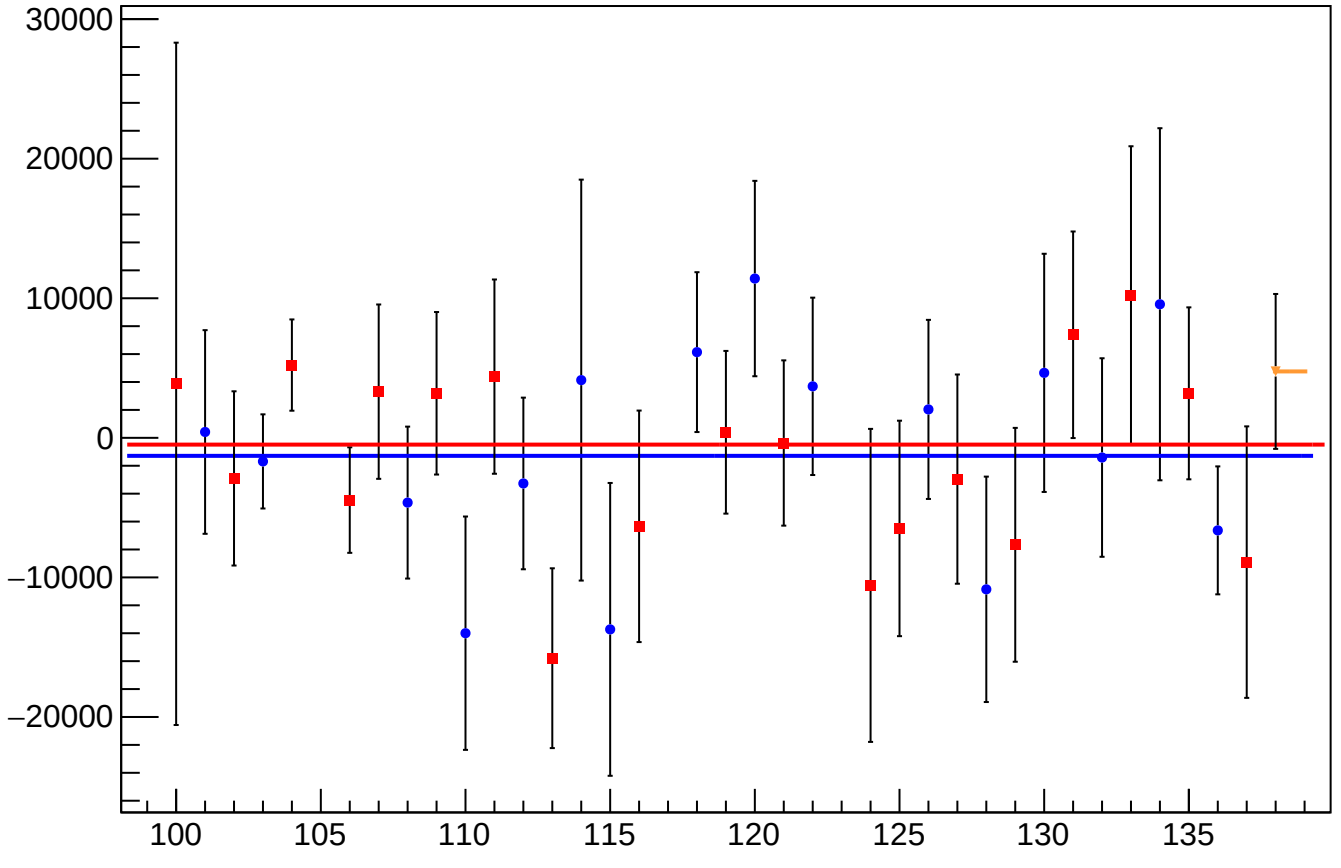
Left: 1899.675+/-1.521 χ^2/NDF: 0.0/0

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1919.827+/-0.517 χ^2/NDF:697331.5/15

Out: 1895.784+/-0.476 χ^2/NDF:222281.2/19

All: 1906.809+/-0.350 χ^2/NDF: 920783.7/35



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 4757.913+/-5549.296 χ^2/NDF:0.0/0

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

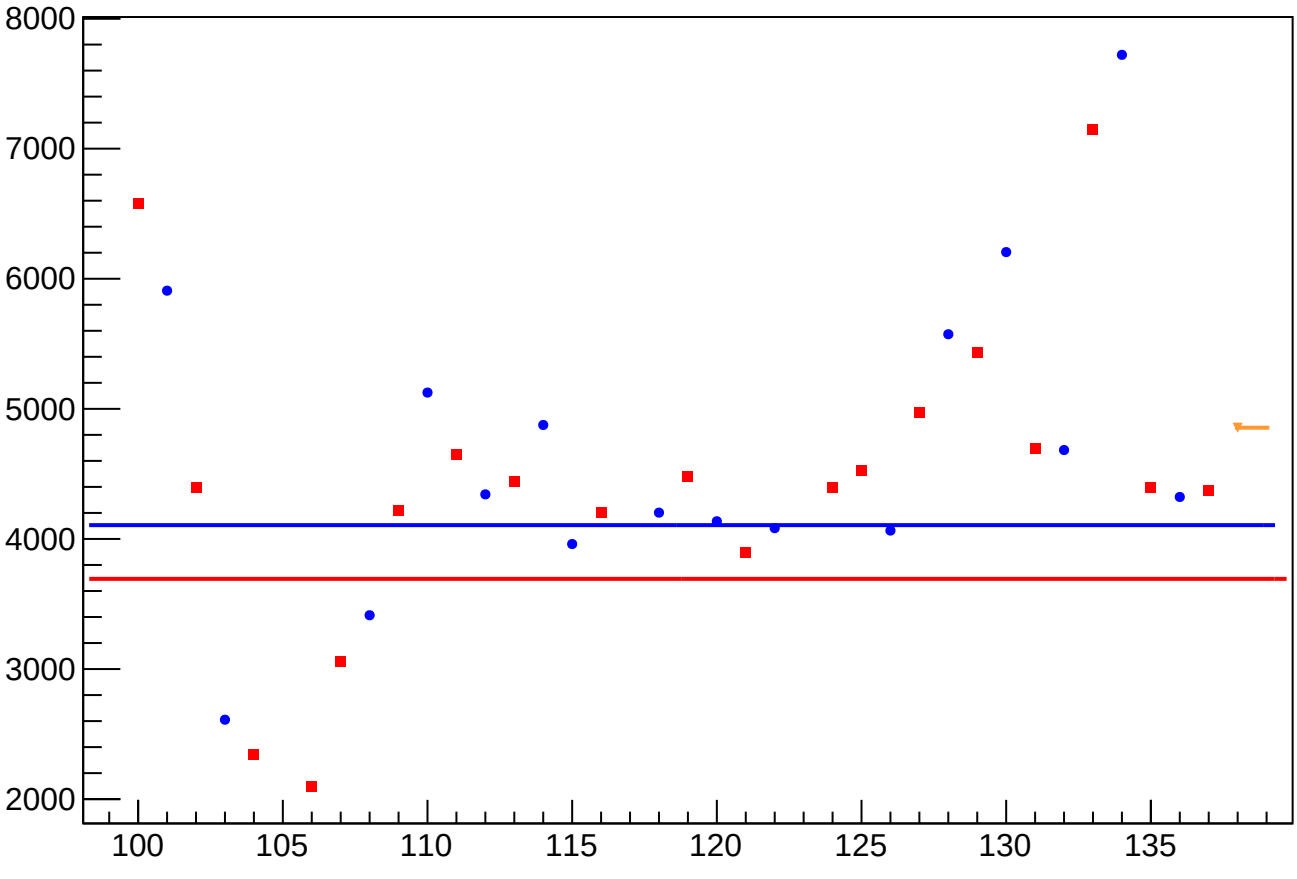
Left: 4757.913+/-5549.296 χ^2/NDF: 0.0/0

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -1290.495+/-1585.432 χ^2/NDF:14.3/15

Out: -155.525+/-1391.537 χ^2/NDF:18.1/19

All: -649.400+/-1045.837 χ^2/NDF: 32.6/35



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4855.105+/-3.924 χ^2/NDF:0.0/0

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4855.105+/-3.924 χ^2/NDF: 0.0/0

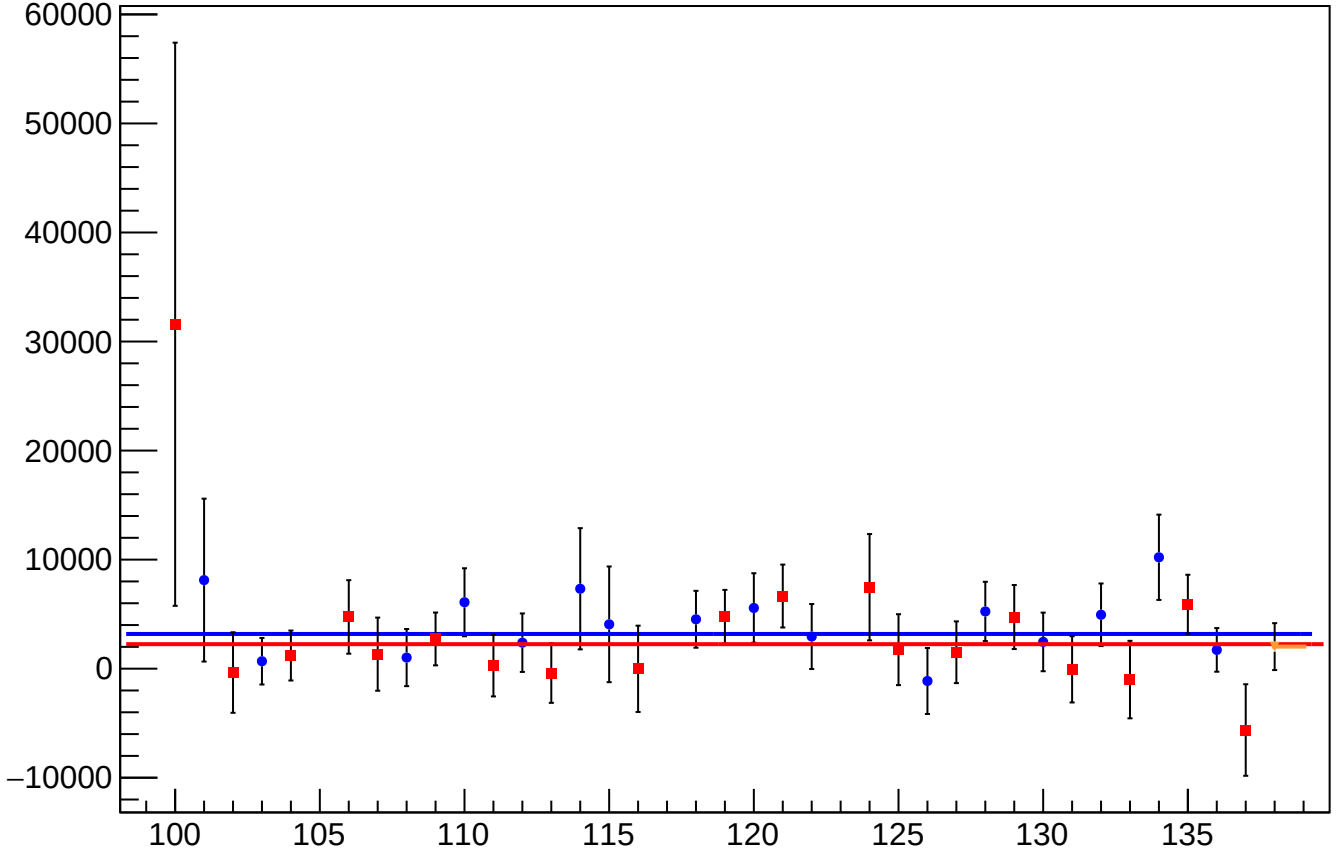
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4106.141+/-1.121 χ^2/NDF:956130.4/15

Out: 3766.323+/-0.984 χ^2/NDF:1438799.5/19

All: 3914.193+/-0.740 χ^2/NDF: 2446829.9/35

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 2022.392+/-2150.404 χ^2/NDF:0.0/0

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2022.392+/-2150.404 χ^2/NDF: 0.0/0

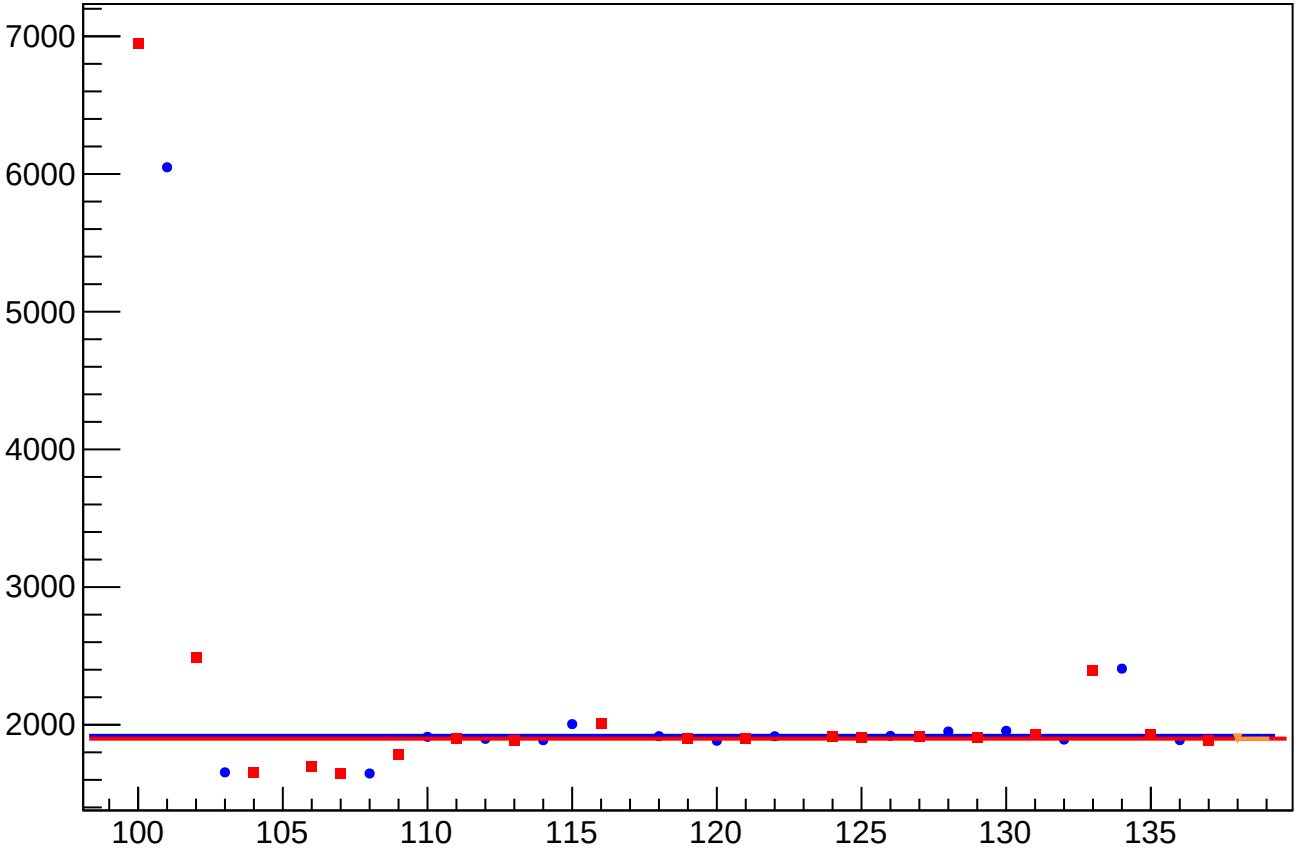
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3182.973+/-731.133 χ^2/NDF:11.7/15

Out: 2225.044+/-674.986 χ^2/NDF:16.5/19

All: 2665.819+/-495.950 χ^2/NDF: 29.1/35

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1899.675+/-1.521 χ^2/NDF:0.0/0

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

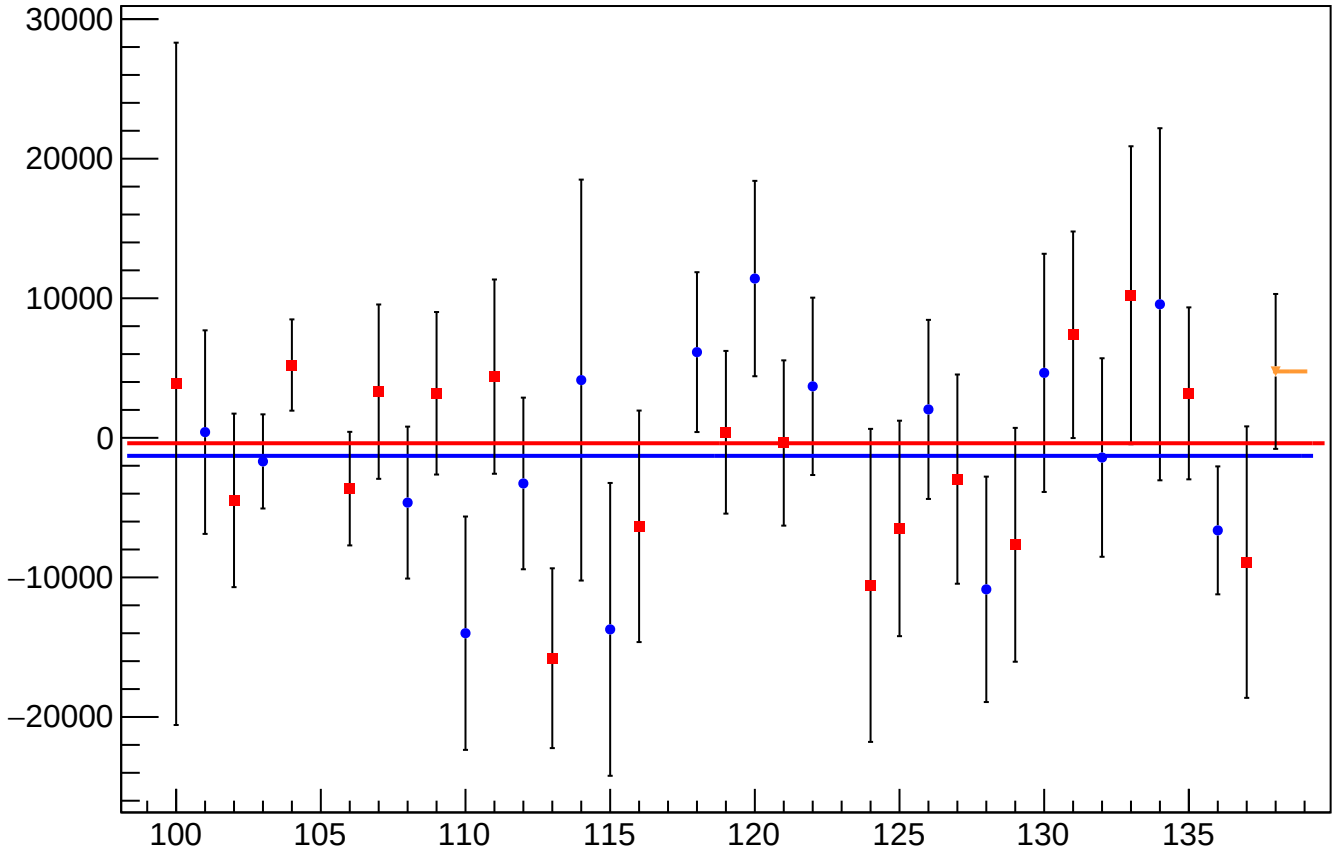
Left: 1899.675+/-1.521 χ^2/NDF: 0.0/0

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1919.827+/-0.517 χ^2/NDF:697330.6/15

Out: 1899.394+/-0.477 χ^2/NDF:215654.2/19

All: 1908.782+/-0.350 χ^2/NDF: 913829.2/35



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 4757.832+/-5549.281 χ^2/NDF:0.0/0

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

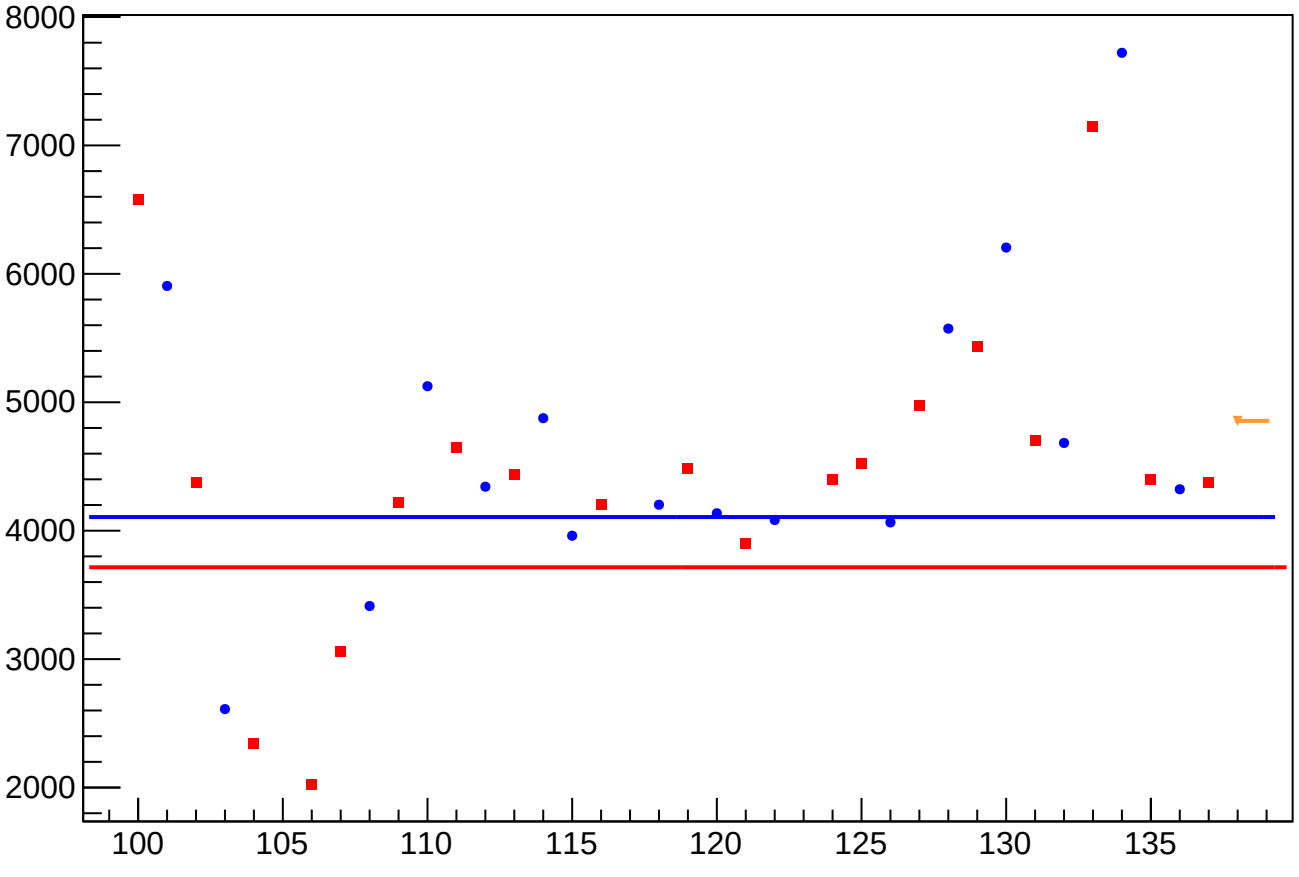
Left: 4757.832+/-5549.281 χ^2/NDF: 0.0/0

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -1290.862+/-1585.435 χ^2/NDF:14.3/15

Out: -58.122+/-1404.285 χ^2/NDF:17.8/19

All: -600.072+/-1051.217 χ^2/NDF: 32.4/35



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4855.088+/-3.924 χ^2/NDF:0.0/0

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

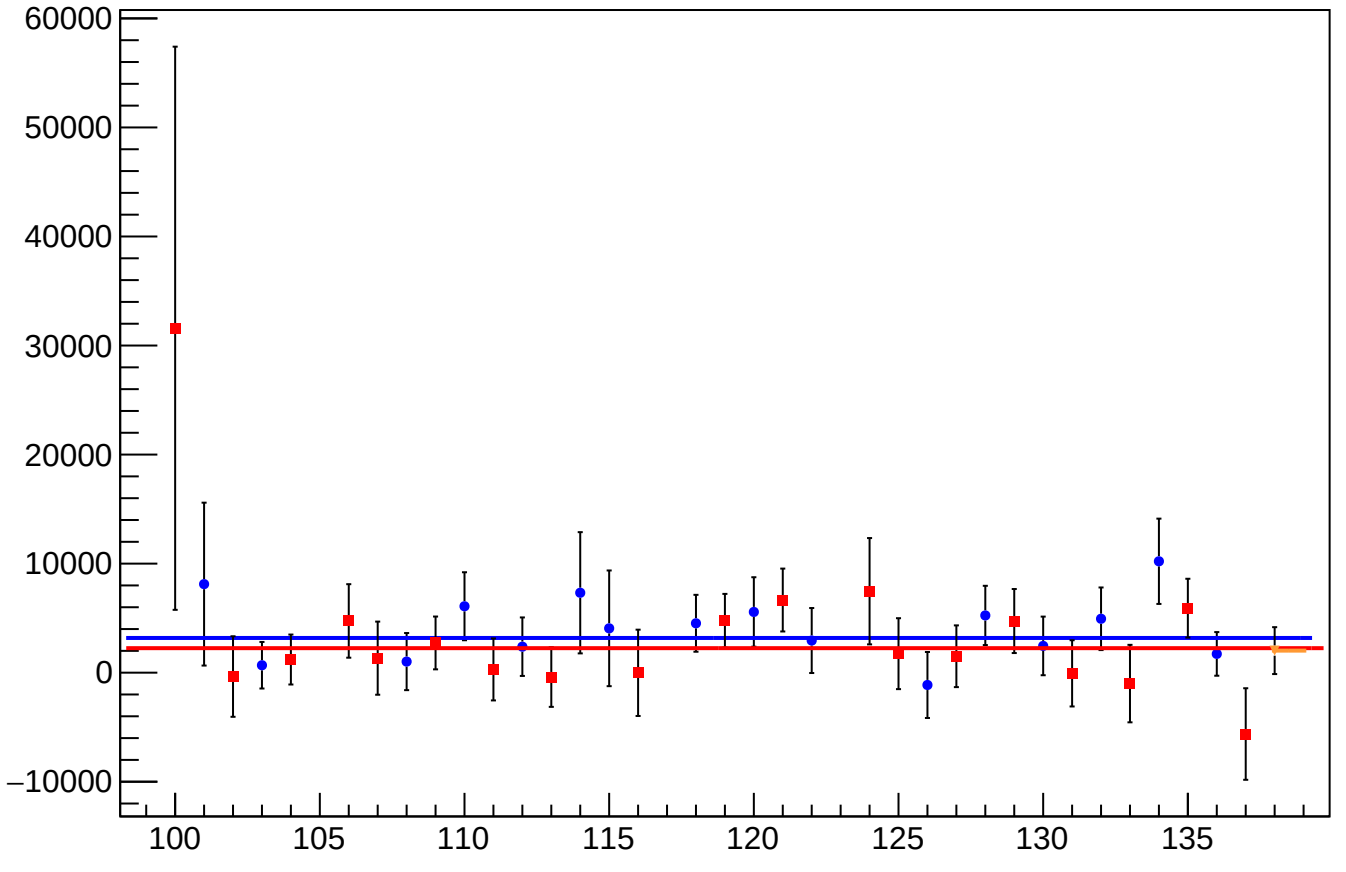
Left: 4855.088+/-3.924 χ^2/NDF: 0.0/0

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4106.234+/-1.121 χ^2/NDF:955631.2/15

Out: 3788.198+/-0.993 χ^2/NDF:1414084.5/19

All: 3928.017+/-0.743 χ^2/NDF: 2414813.8/35



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 2022.392+/-2150.404 χ^2/NDF:0.0/0

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2022.392+/-2150.404 χ^2/NDF: 0.0/0

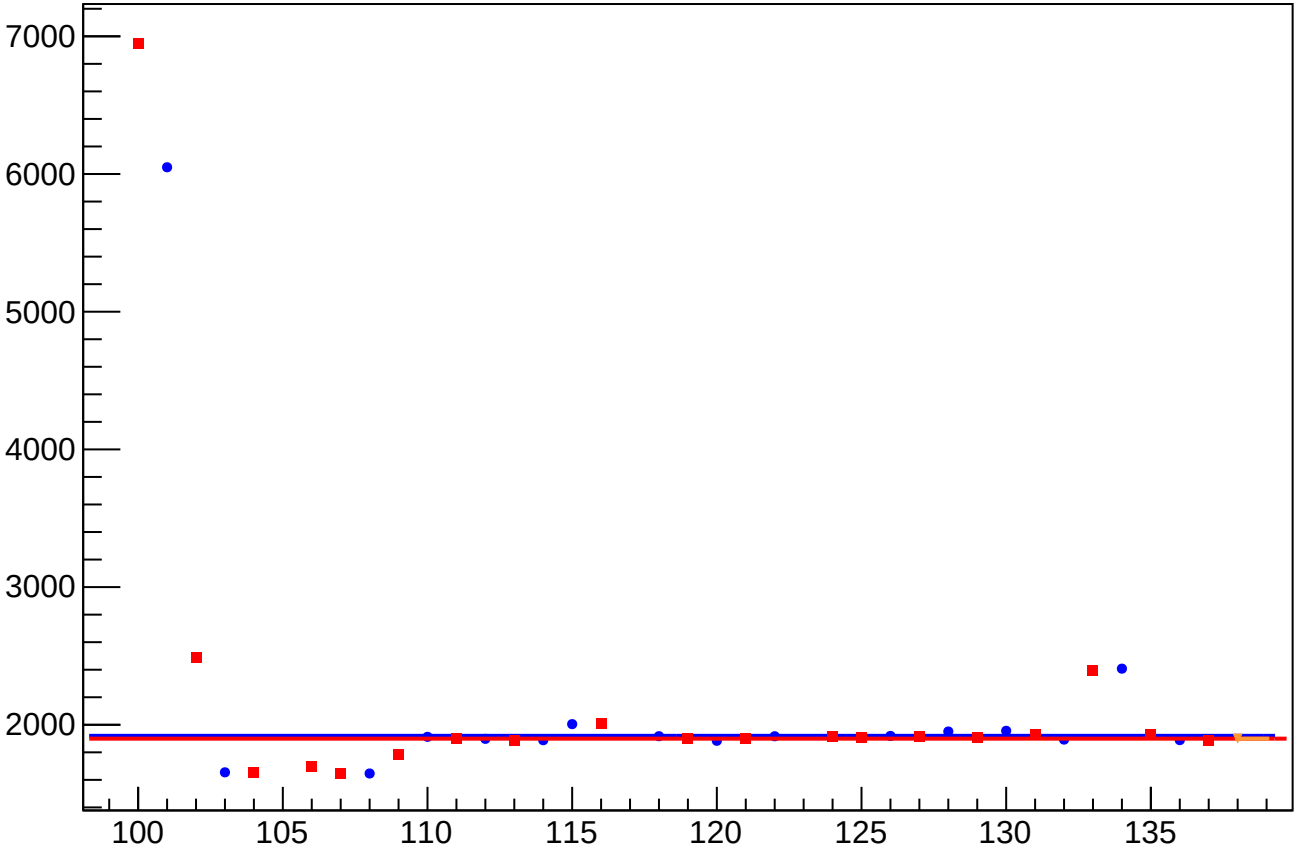
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3182.973+/-731.133 χ^2/NDF:11.7/15

Out: 2225.044+/-674.986 χ^2/NDF:16.5/19

All: 2665.819+/-495.950 χ^2/NDF: 29.1/35

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1899.675+/-1.521 χ^2/NDF:0.0/0

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

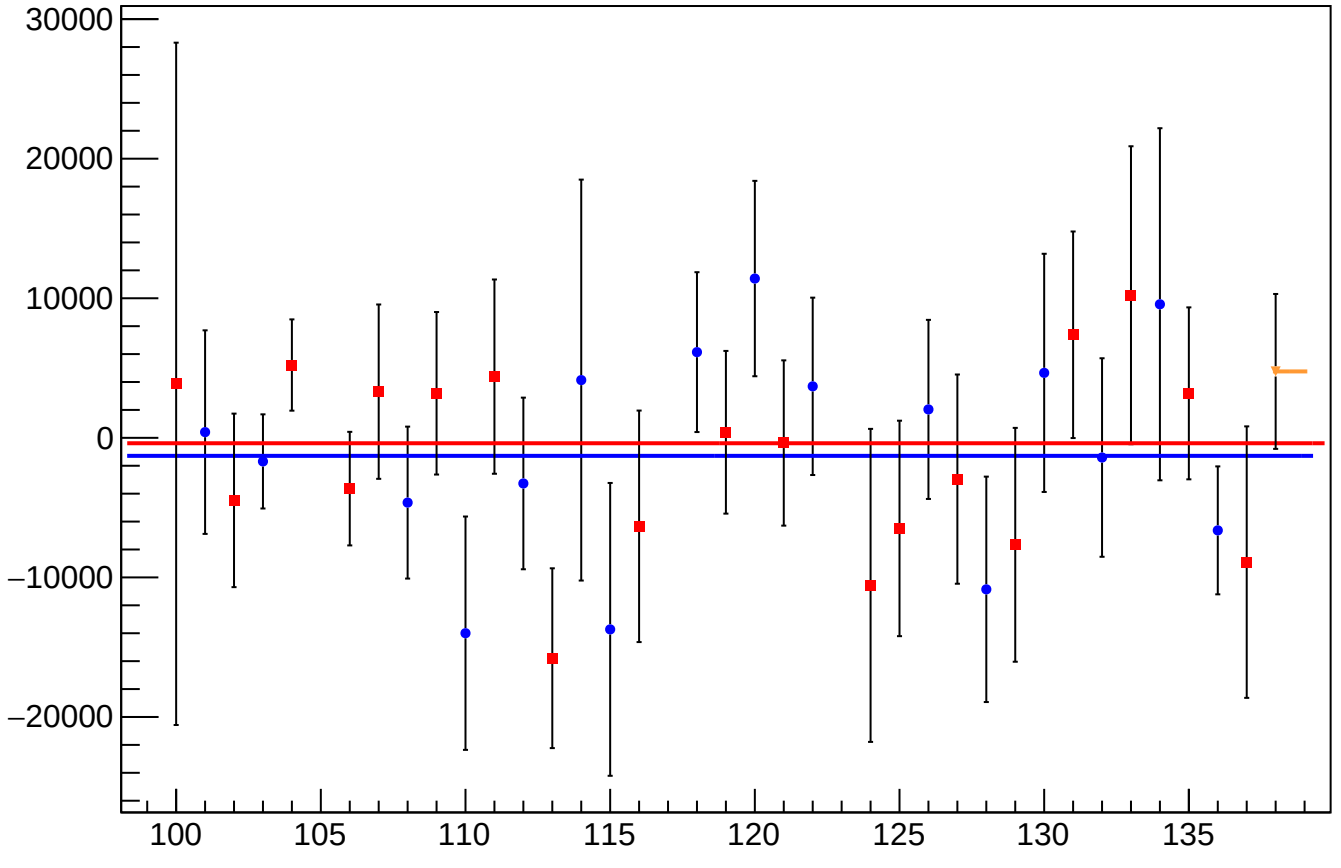
Left: 1899.675+/-1.521 χ^2/NDF: 0.0/0

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1919.827+/-0.517 χ^2/NDF:697330.6/15

Out: 1899.394+/-0.477 χ^2/NDF:215654.2/19

All: 1908.782+/-0.350 χ^2/NDF: 913829.2/35



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 4757.832+/-5549.281 χ^2/NDF:0.0/0

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

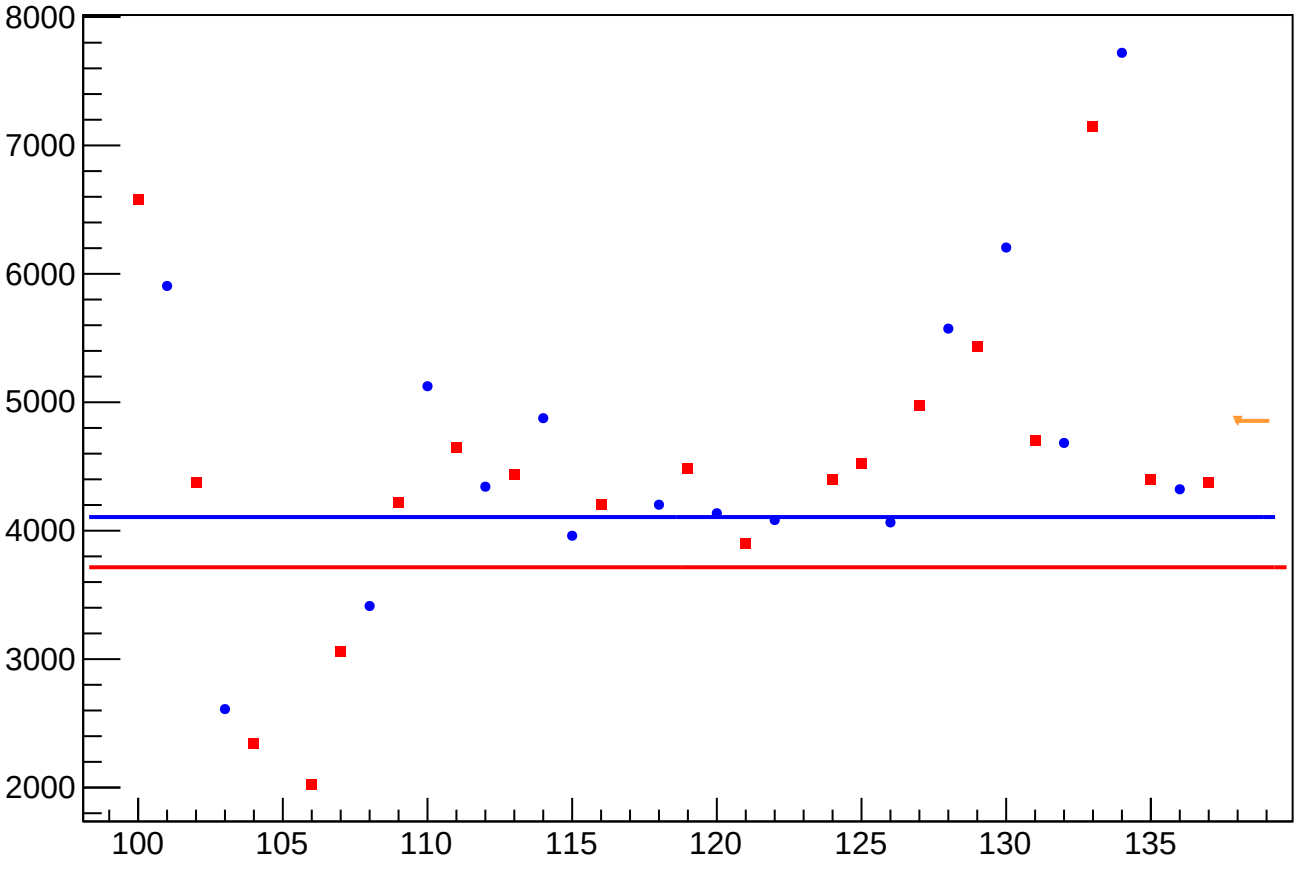
Left: 4757.832+/-5549.281 χ^2/NDF: 0.0/0

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -1290.862+/-1585.435 χ^2/NDF:14.3/15

Out: -58.122+/-1404.285 χ^2/NDF:17.8/19

All: -600.072+/-1051.217 χ^2/NDF: 32.4/35



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4855.088+/-3.924 χ^2/NDF:0.0/0

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

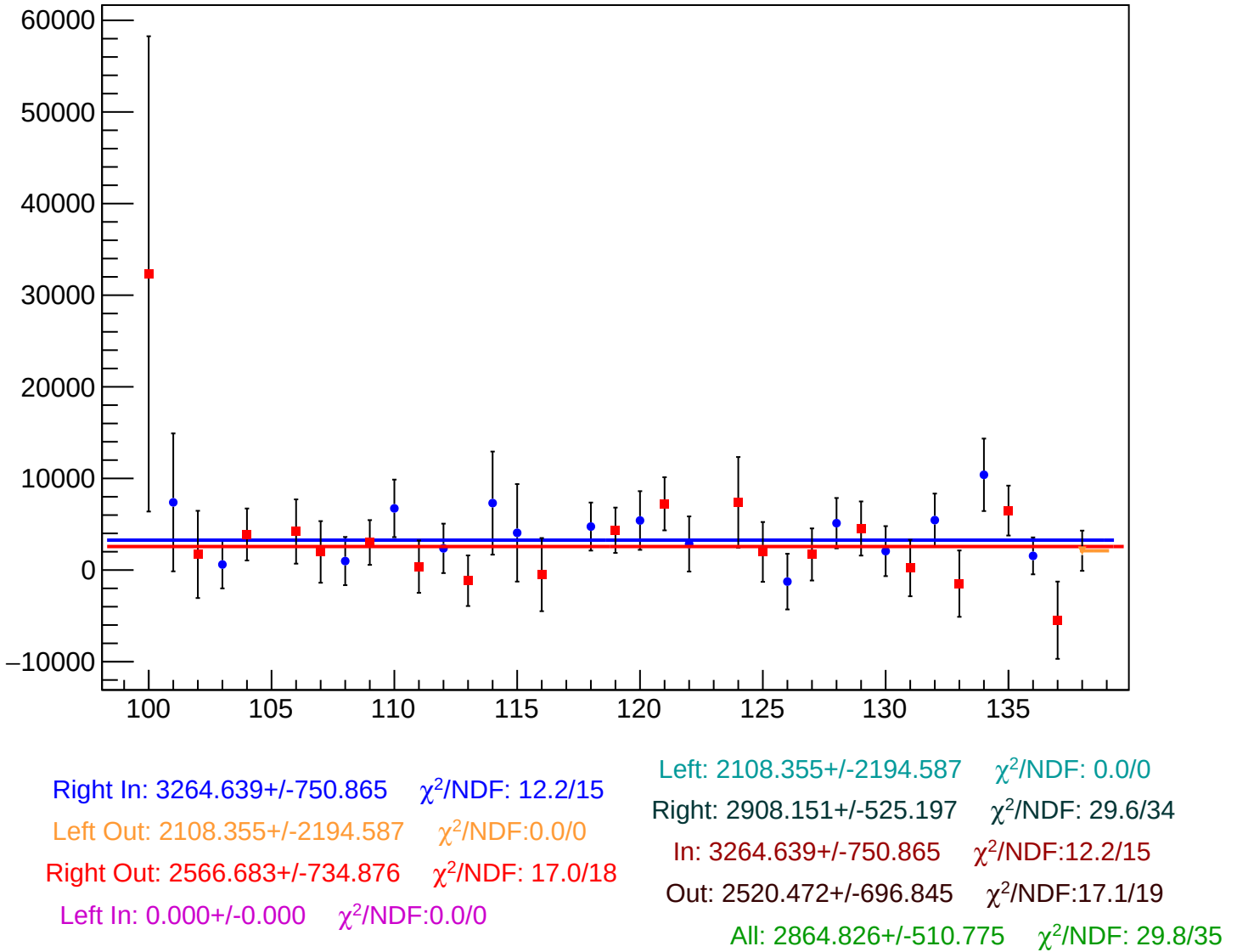
Left: 4855.088+/-3.924 χ^2/NDF: 0.0/0

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

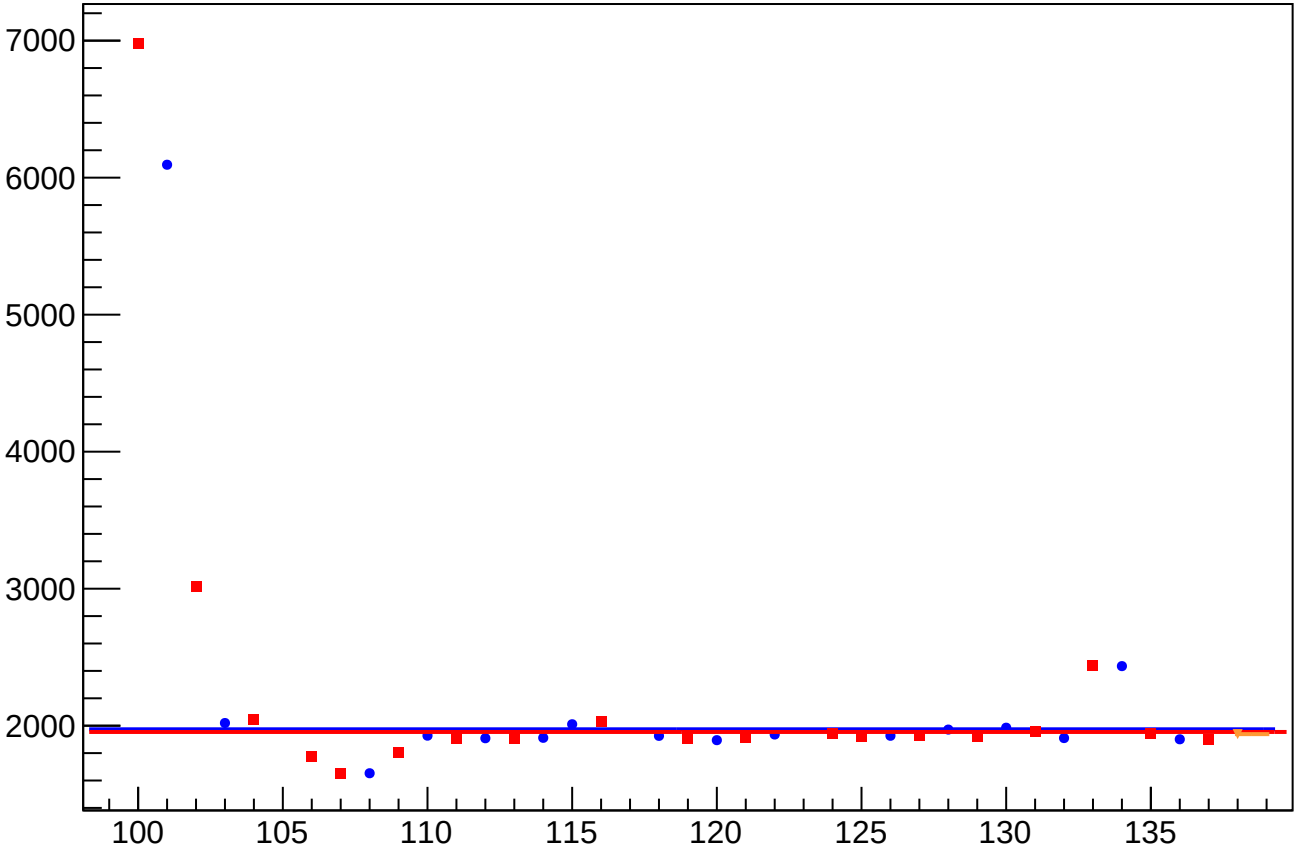
In: 4106.234+/-1.121 χ^2/NDF:955631.2/15

Out: 3788.198+/-0.993 χ^2/NDF:1414084.5/19

All: 3928.017+/-0.743 χ^2/NDF: 2414813.8/35


dit_asym_atr_avg_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
Right In: 3264.639+/-750.865 χ²/NDF: 12.2/15
Left Out: 2108.355+/-2194.587 χ²/NDF:0.0/0
Right Out: 2566.683+/-734.876 χ²/NDF: 17.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 2108.355+/-2194.587 χ²/NDF: 0.0/0
Right: 2908.151+/-525.197 χ²/NDF: 29.6/34
In: 3264.639+/-750.865 χ²/NDF:12.2/15
Out: 2520.472+/-696.845 χ²/NDF:17.1/19
All: 2864.826+/-510.775 χ²/NDF: 29.8/35

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1938.544+/-1.552 χ^2/NDF:0.0/0

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

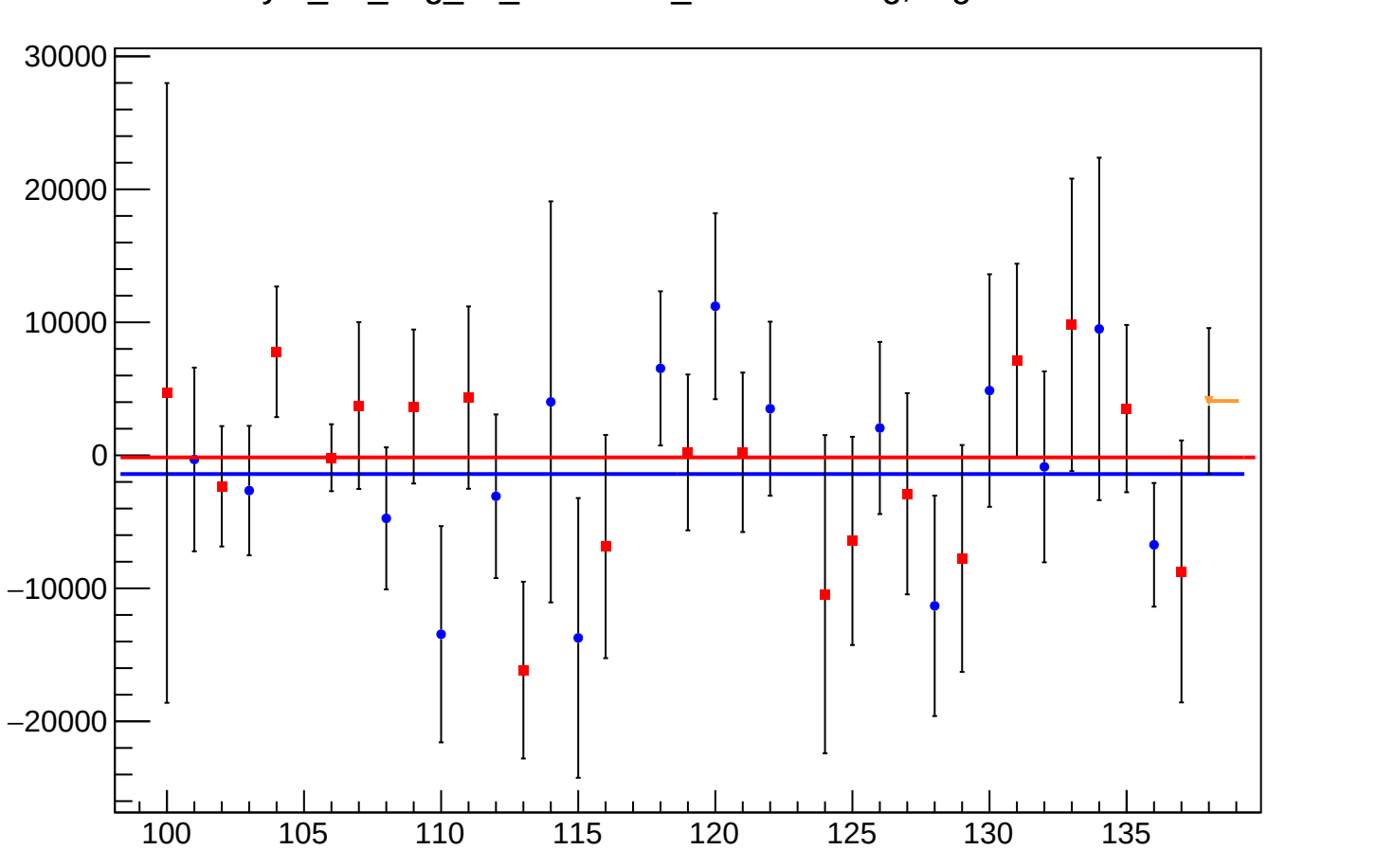
Left: 1938.544+/-1.552 χ^2/NDF: 0.0/0

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1973.748+/-0.531 χ^2/NDF:665124.2/15

Out: 1952.749+/-0.492 χ^2/NDF:246304.5/19

All: 1962.458+/-0.361 χ^2/NDF: 912269.8/35



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 4087.914+/-5482.165 χ^2/NDF:0.0/0

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

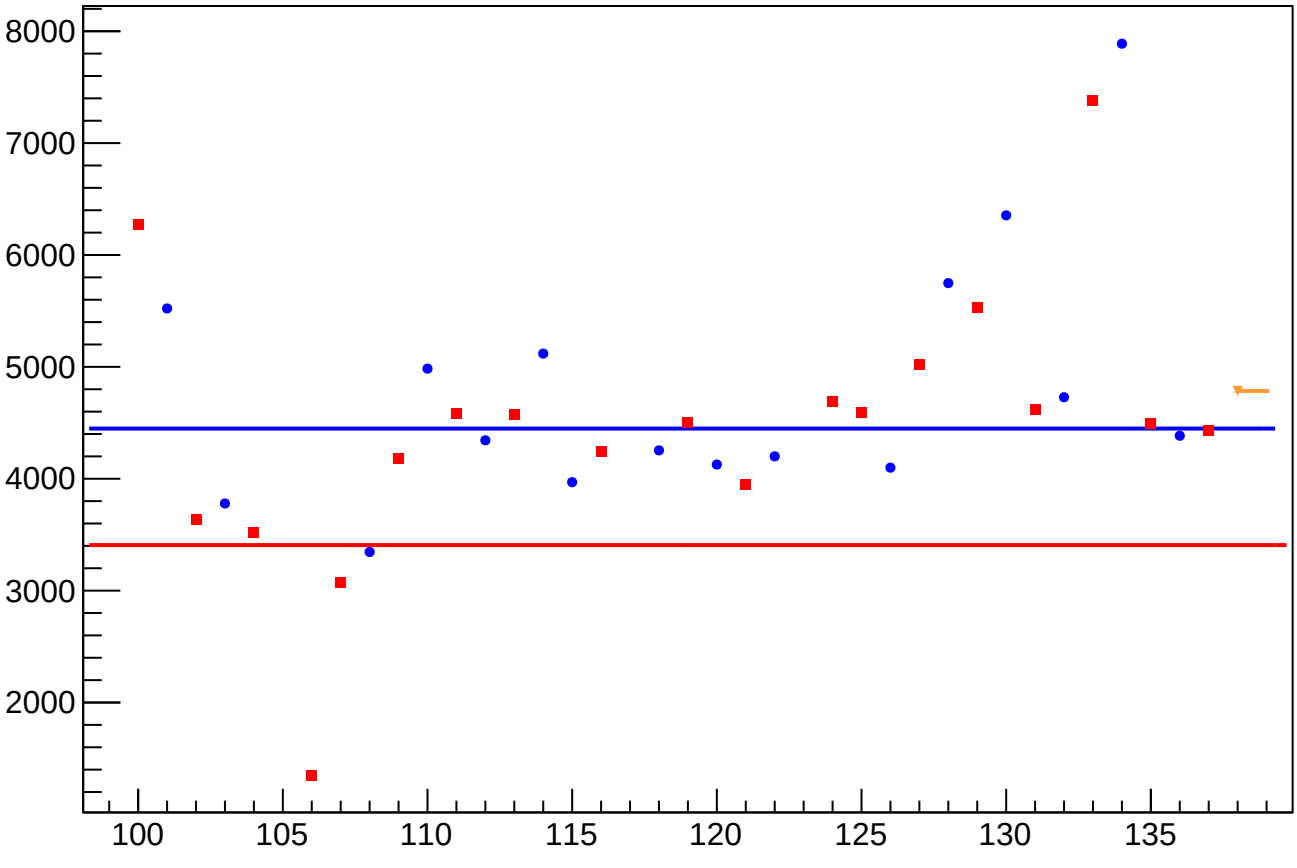
Left: 4087.914+/-5482.165 χ^2/NDF: 0.0/0

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -1407.382+/-1689.989 χ^2/NDF:14.2/15

Out: 91.967+/-1323.318 χ^2/NDF:16.4/19

All: -477.923+/-1041.905 χ^2/NDF: 31.1/35



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4784.962+/-3.876 χ^2/NDF:0.0/0

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4784.962+/-3.876 χ^2/NDF: 0.0/0

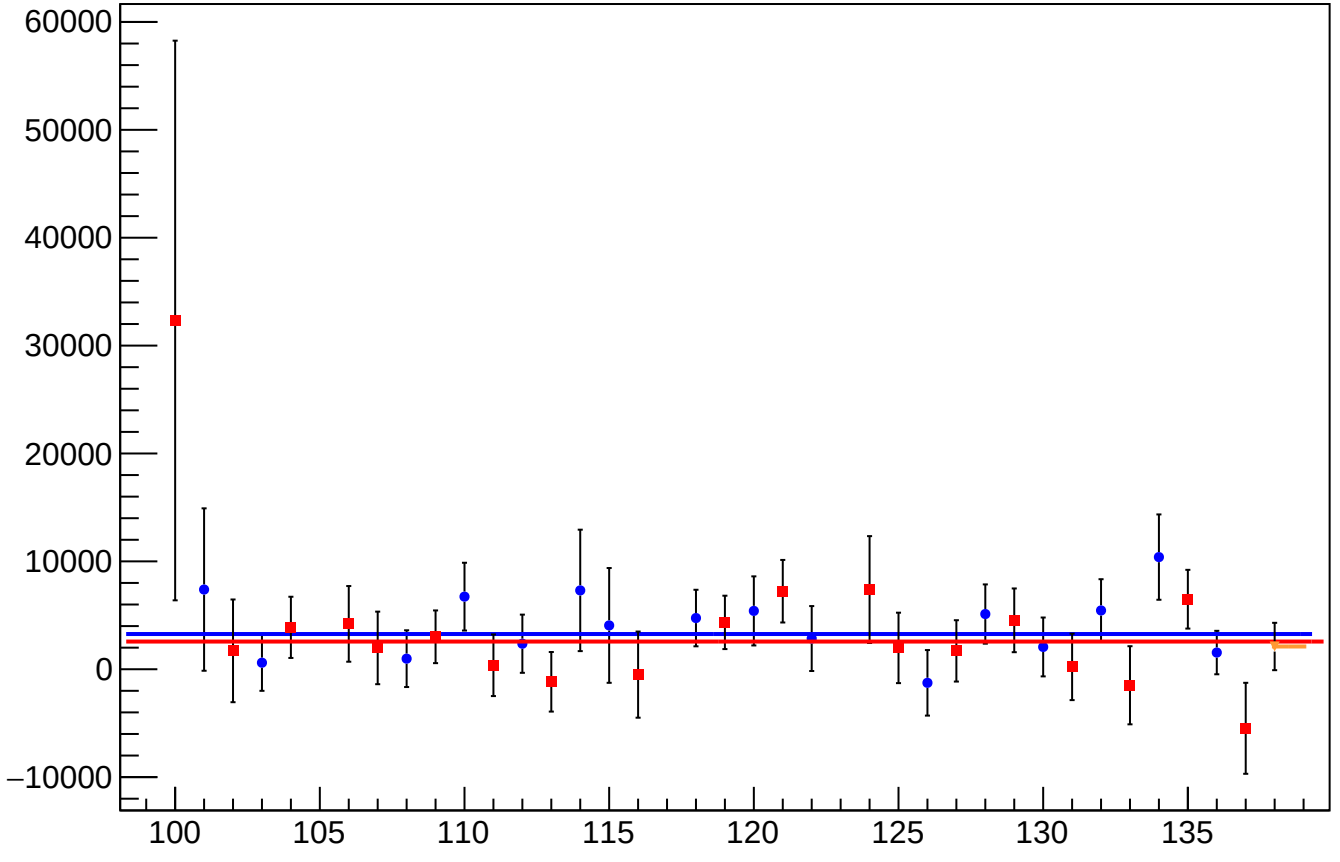
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4448.711+/-1.195 χ^2/NDF:494613.5/15

Out: 3487.410+/-0.936 χ^2/NDF:2445033.1/19

All: 3852.793+/-0.737 χ^2/NDF: 3340797.9/35

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 2108.352+/-2194.588 χ^2/NDF:0.0/0

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2108.352+/-2194.588 χ^2/NDF: 0.0/0

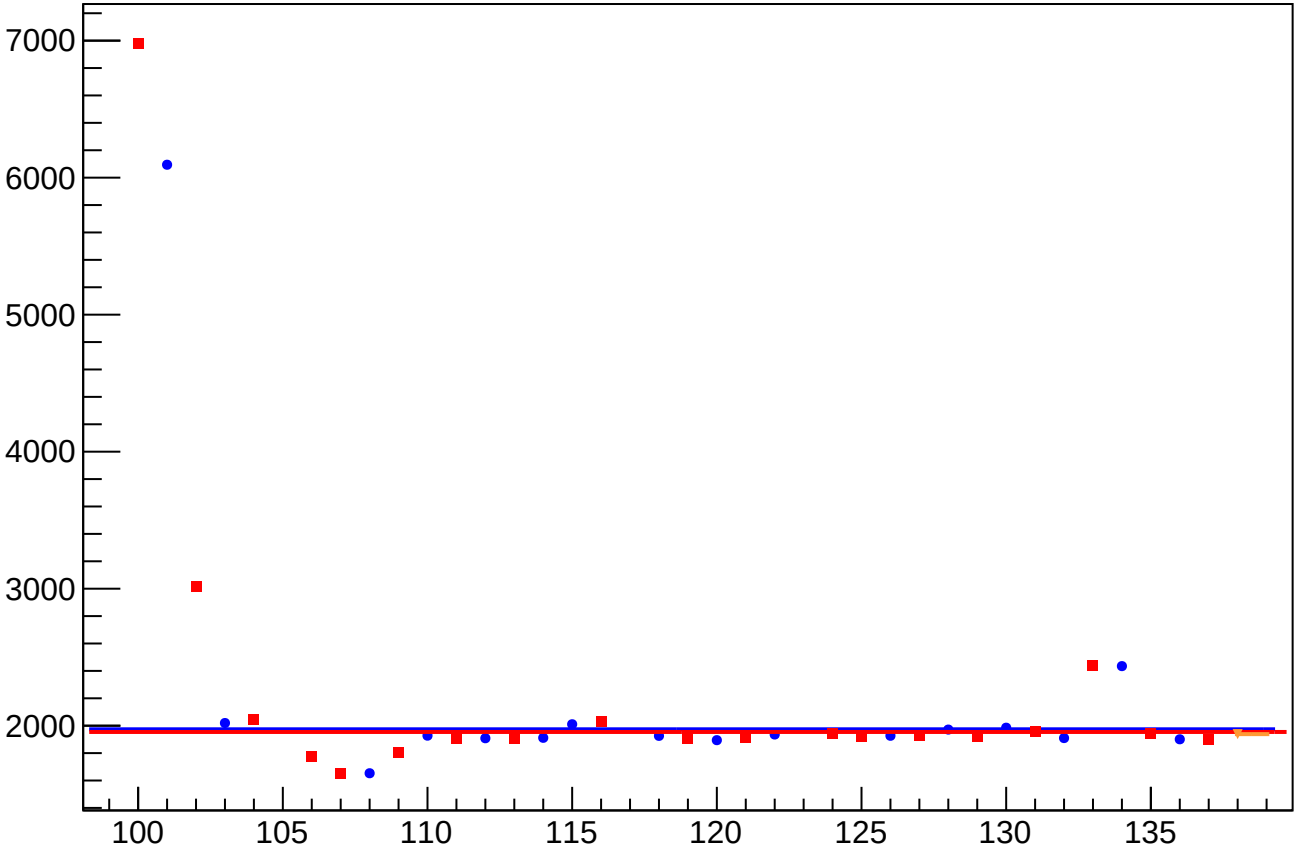
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3264.644+/-750.865 χ^2/NDF:12.2/15

Out: 2520.477+/-696.845 χ^2/NDF:17.1/19

All: 2864.831+/-510.774 χ^2/NDF: 29.8/35

eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1938.545+/-1.552 χ^2/NDF:0.0/0

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

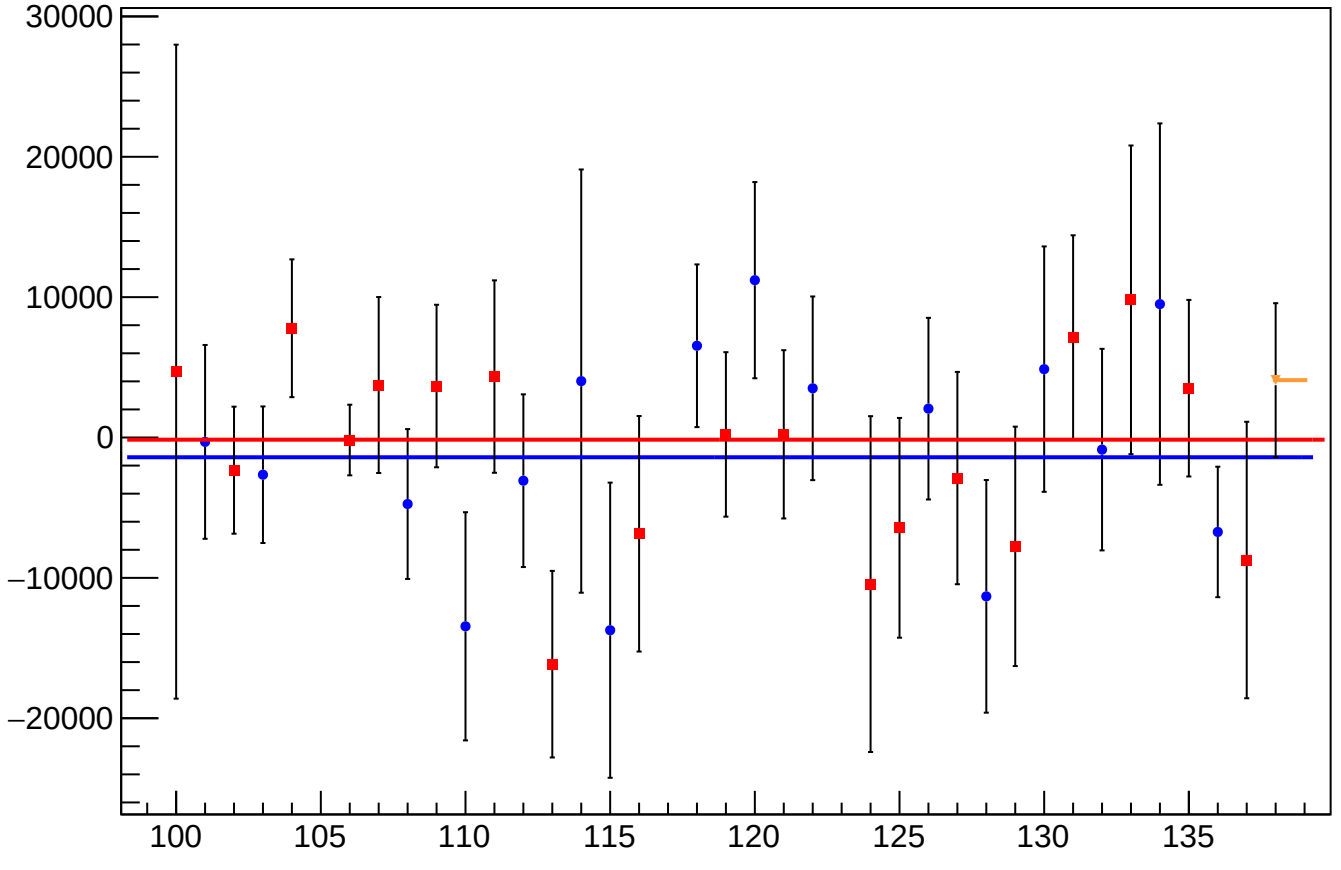
Left: 1938.545+/-1.552 χ^2/NDF: 0.0/0

Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1973.748+/-0.531 χ^2/NDF:665124.2/15

Out: 1952.749+/-0.492 χ^2/NDF:246304.0/19

All: 1962.458+/-0.361 χ^2/NDF: 912269.2/35



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 4087.911+/-5482.171 χ^2/NDF:0.0/0

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

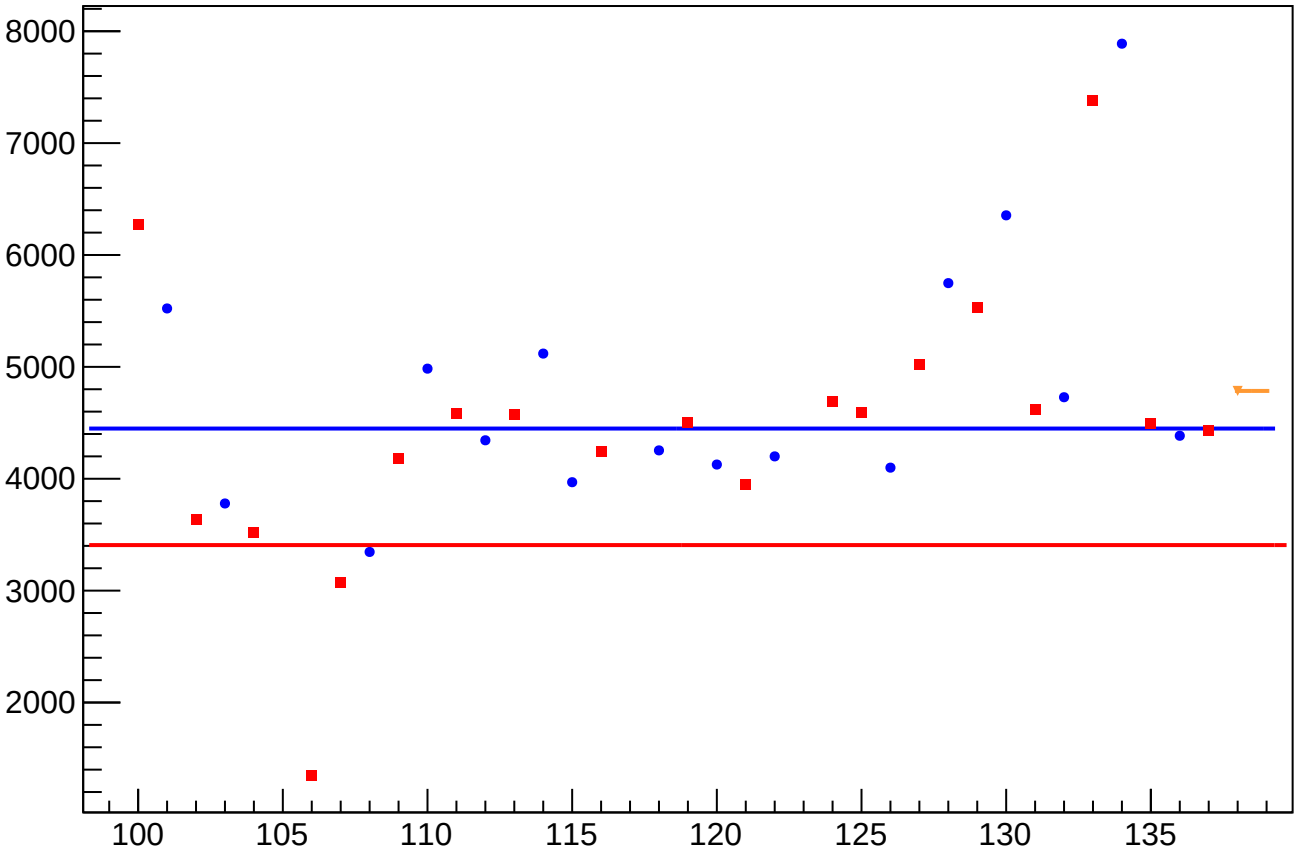
Left: 4087.911+/-5482.171 χ^2/NDF: 0.0/0

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -1407.363+/-1689.986 χ^2/NDF:14.2/15

Out: 91.965+/-1323.316 χ^2/NDF:16.4/19

All: -477.917+/-1041.903 χ^2/NDF: 31.1/35



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4784.968+/-3.876 χ^2/NDF:0.0/0

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4784.968+/-3.876 χ^2/NDF: 0.0/0

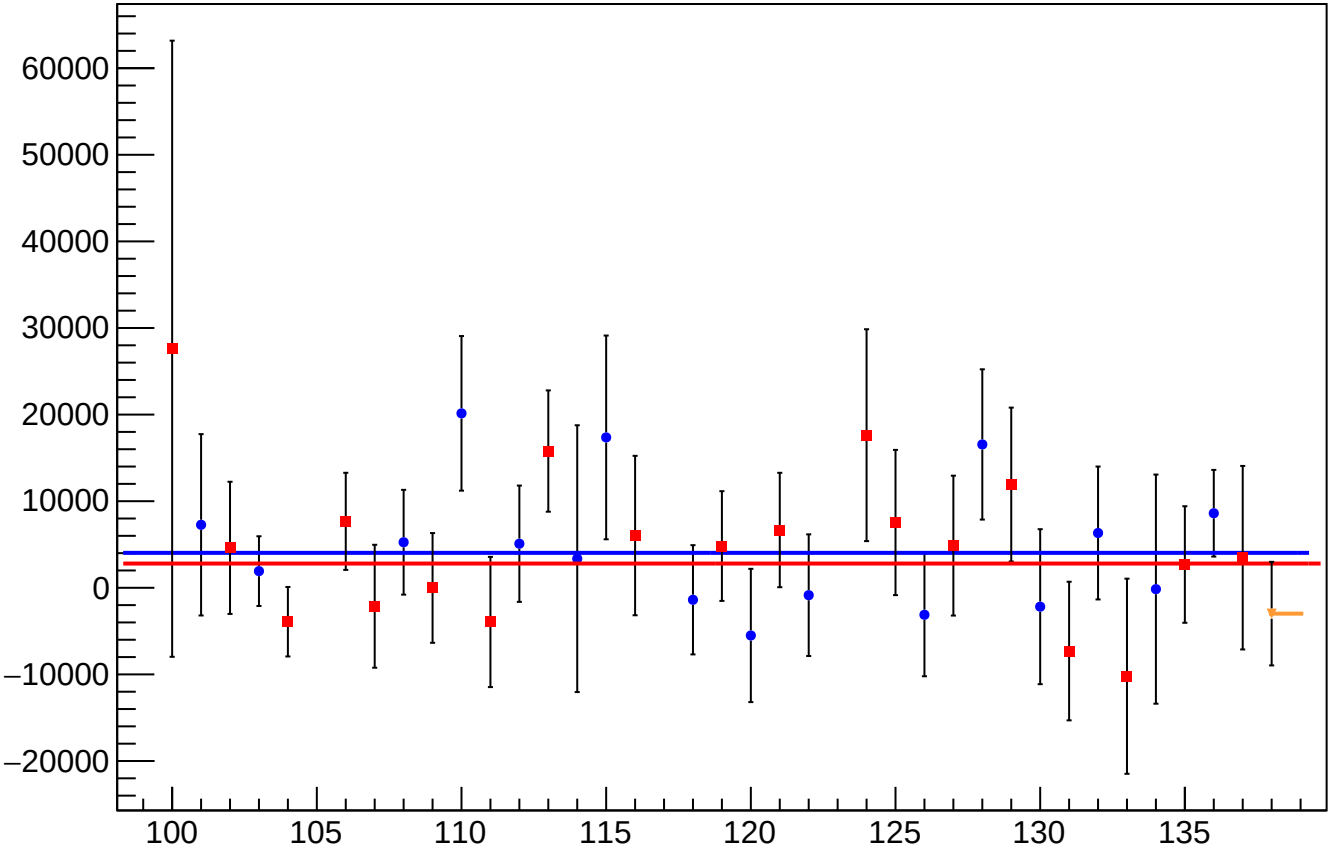
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4448.704+/-1.195 χ^2/NDF:494610.6/15

Out: 3487.402+/-0.936 χ^2/NDF:2445039.0/19

All: 3852.785+/-0.737 χ^2/NDF: 3340802.9/35

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -2983.470+/-5979.901 χ^2/NDF:0.0/0

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -2983.470+/-5979.901 χ^2/NDF: 0.0/0

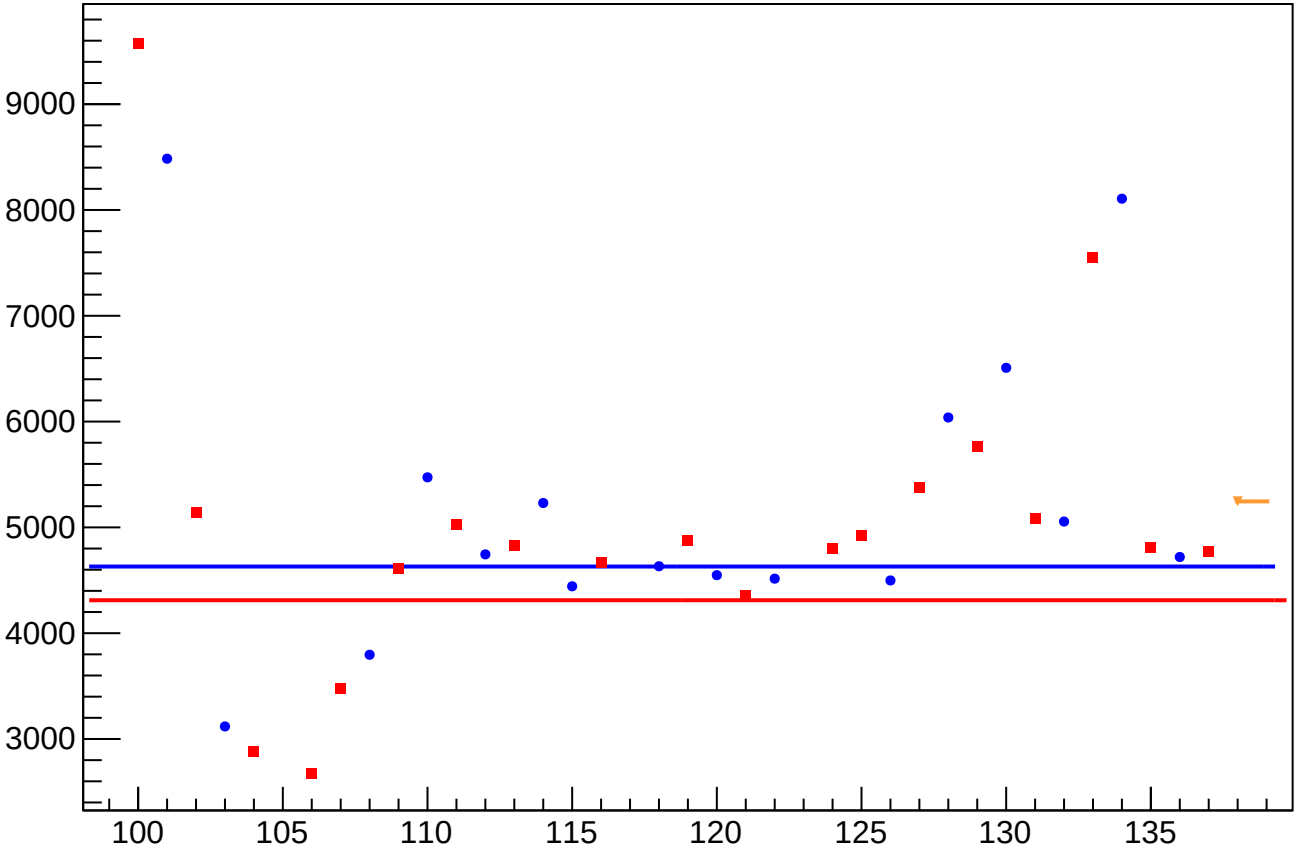
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 4034.572+/-1782.030 χ^2/NDF:12.3/15

Out: 2381.209+/-1610.131 χ^2/NDF:16.3/19

All: 3124.321+/-1194.697 χ^2/NDF: 29.1/35

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 5245.508+/-4.228 χ^2/NDF:0.0/0

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

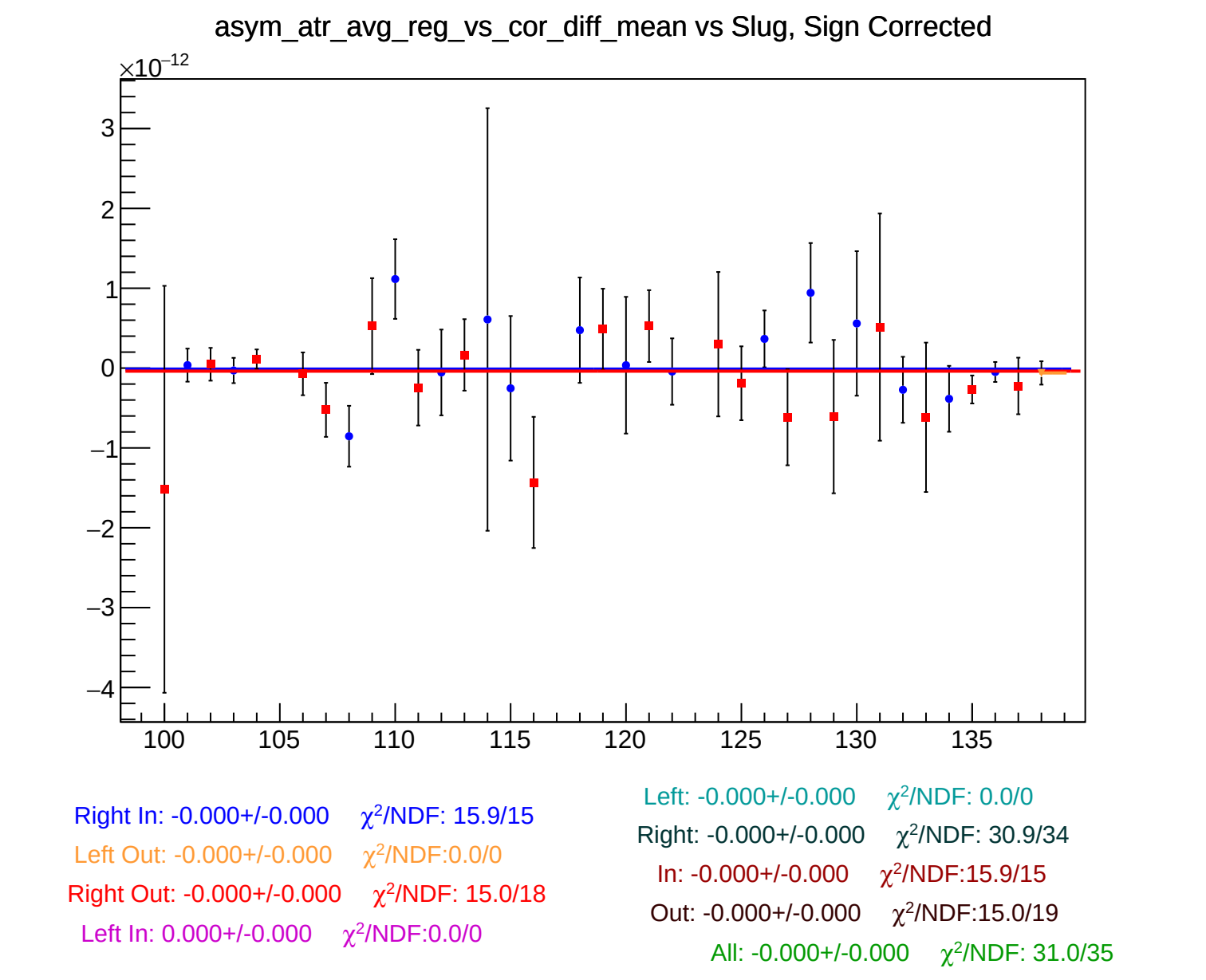
Left: 5245.508+/-4.228 χ^2/NDF: 0.0/0

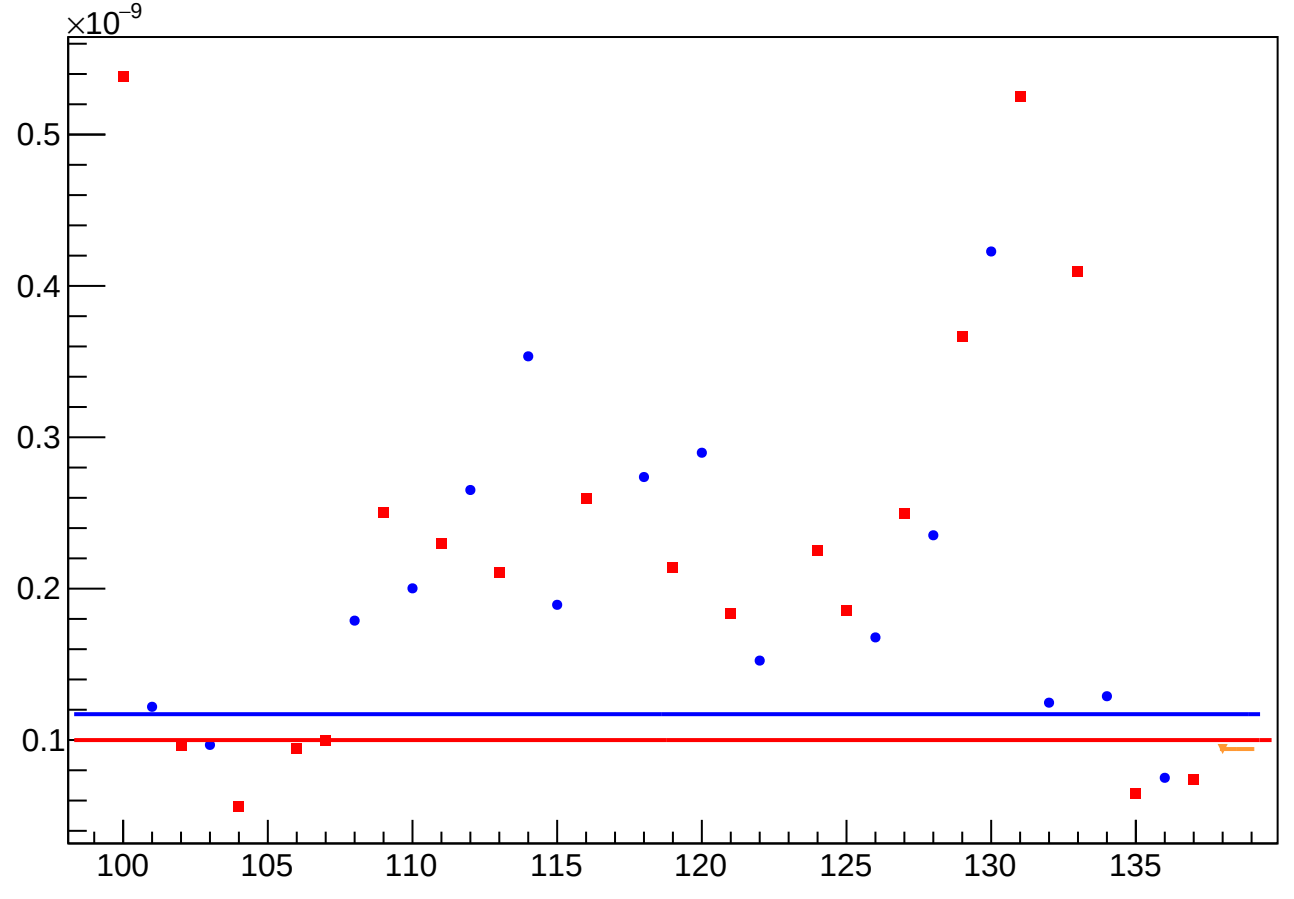
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4629.967+/-1.260 χ^2/NDF:900246.3/15

Out: 4377.870+/-1.129 χ^2/NDF:950075.2/19

All: 4490.171+/-0.841 χ^2/NDF: 1872516.9/35


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
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:0.0/0
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: 0.0/0
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:15.9/15
Out: -0.000+/-0.000 χ²/NDF:15.0/19
All: -0.000+/-0.000 χ²/NDF: 31.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

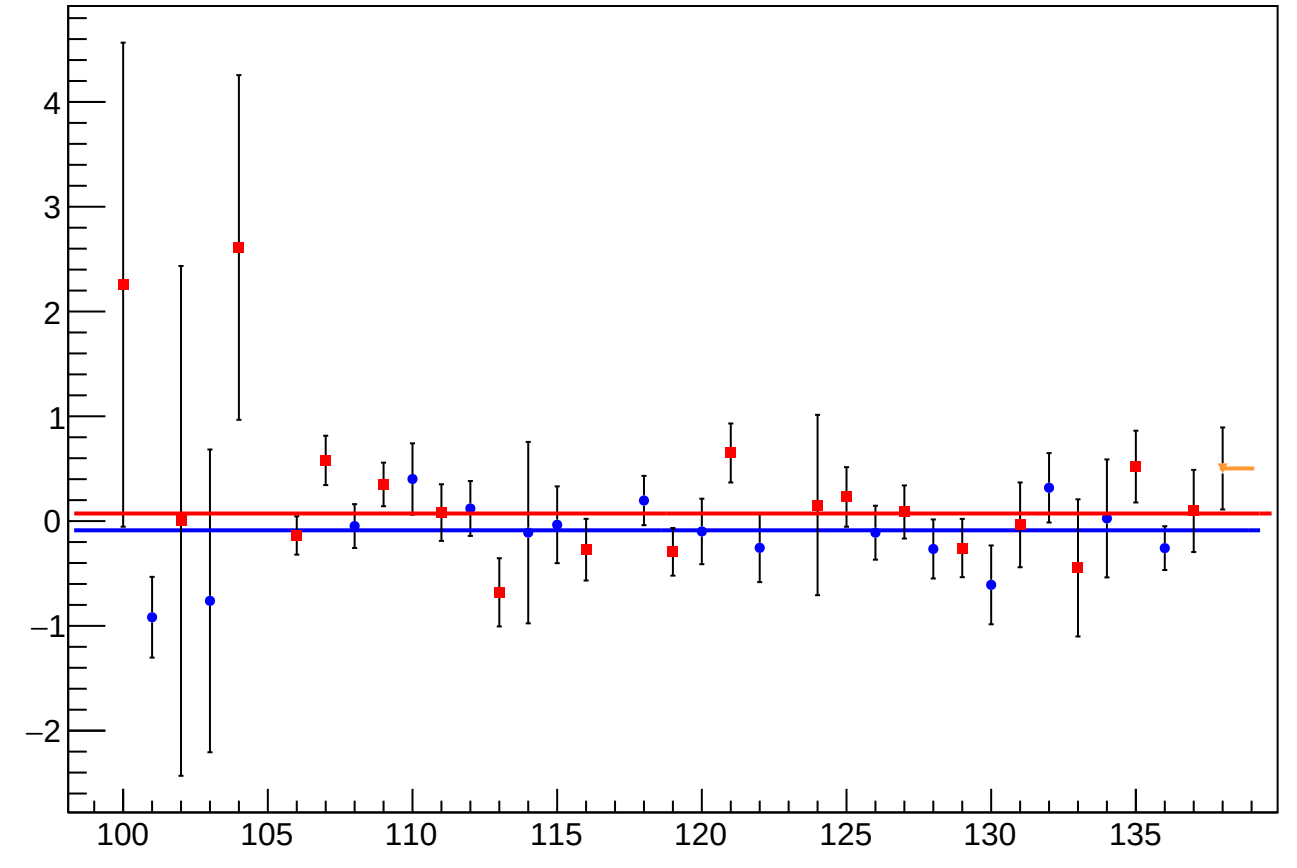
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:1100462.8/15

Out: 0.000+/-0.000 χ^2/NDF:1846733.5/19

All: 0.000+/-0.000 χ^2/NDF: 3014515.0/35



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.502+/-0.391 χ^2/NDF:0.0/0

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

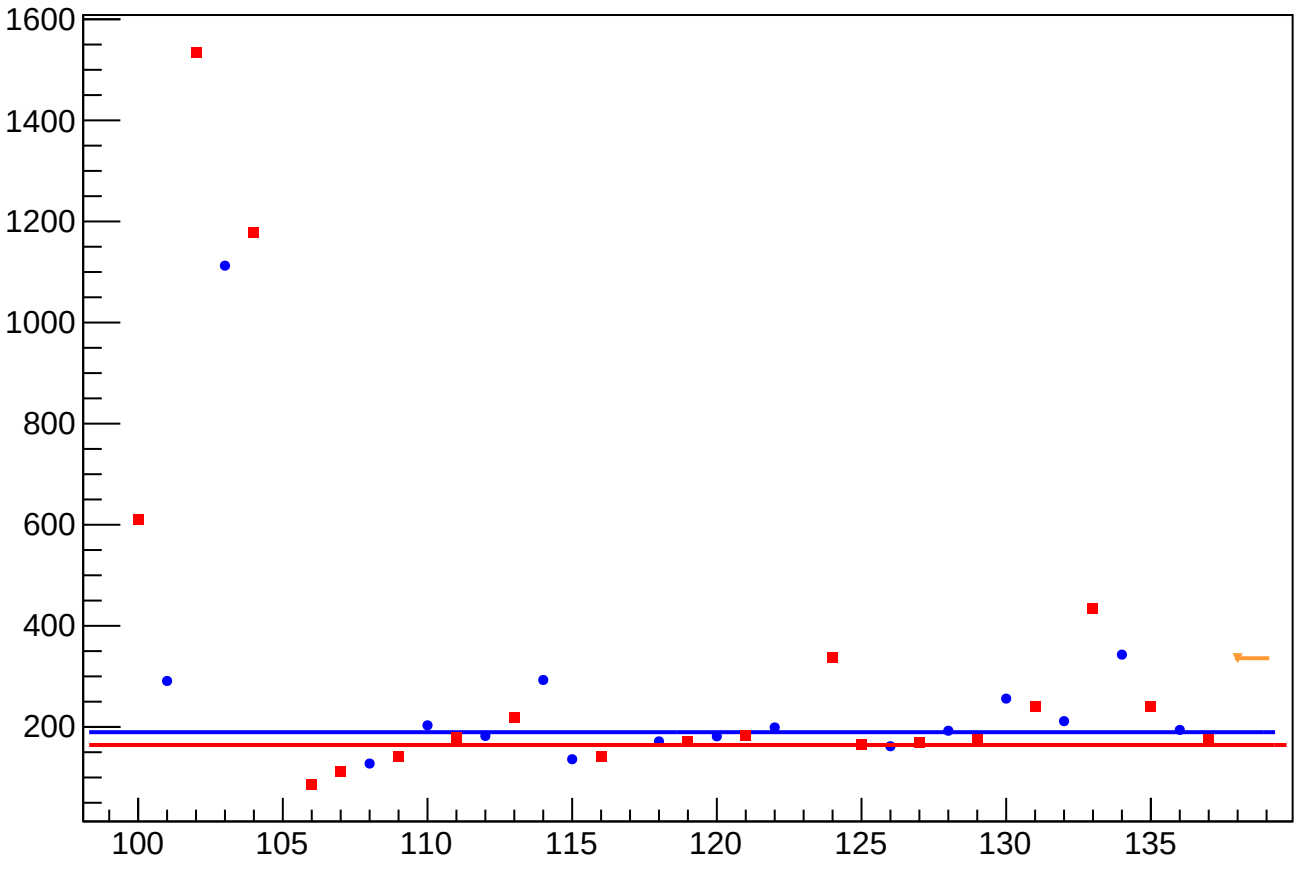
Left: 0.502+/-0.391 χ^2/NDF: 0.0/0

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.088+/-0.077 χ^2/NDF:13.9/15

Out: 0.086+/-0.069 χ^2/NDF:29.8/19

All: 0.008+/-0.051 χ^2/NDF: 46.5/35



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 335.930+/-0.277 χ^2/NDF:0.0/0

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

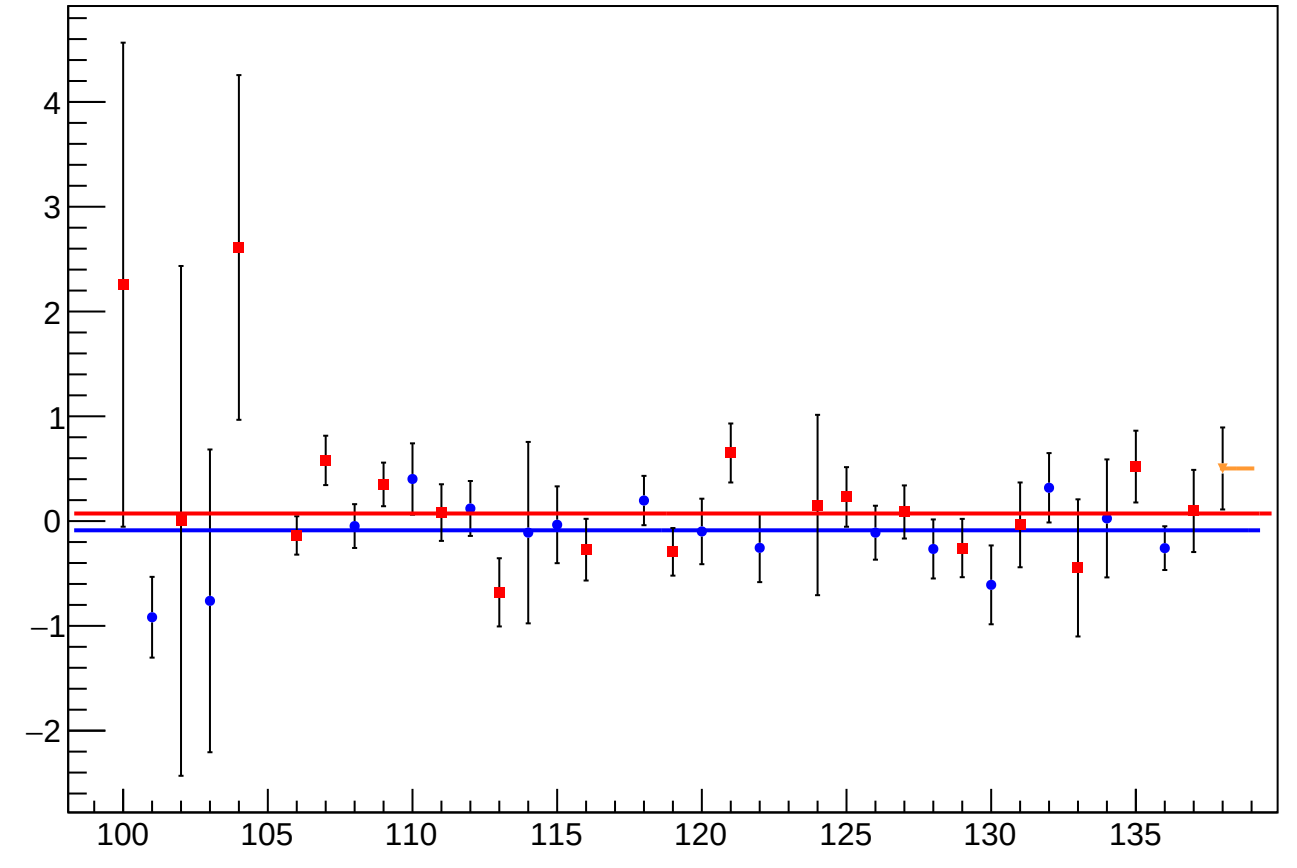
Left: 335.930+/-0.277 χ^2/NDF: 0.0/0

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 189.628+/-0.054 χ^2/NDF:1465476.9/15

Out: 169.610+/-0.049 χ^2/NDF:3016294.1/19

All: 178.544+/-0.036 χ^2/NDF: 4557071.0/35



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.502+/-0.391 χ^2/NDF:0.0/0

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

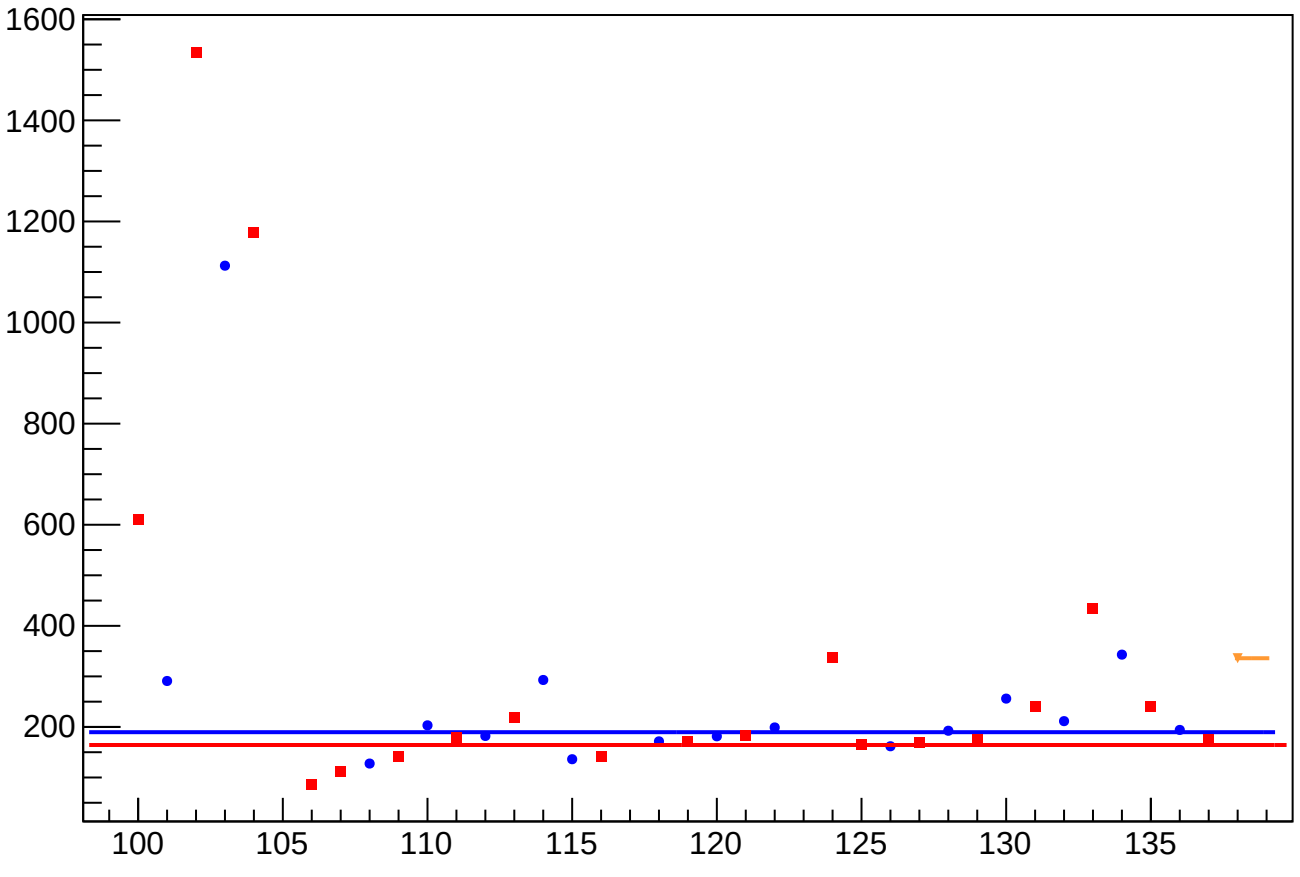
Left: 0.502+/-0.391 χ^2/NDF: 0.0/0

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.088+/-0.077 χ^2/NDF:13.9/15

Out: 0.086+/-0.069 χ^2/NDF:29.8/19

All: 0.008+/-0.051 χ^2/NDF: 46.5/35



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 335.930+/-0.277 χ^2/NDF:0.0/0

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

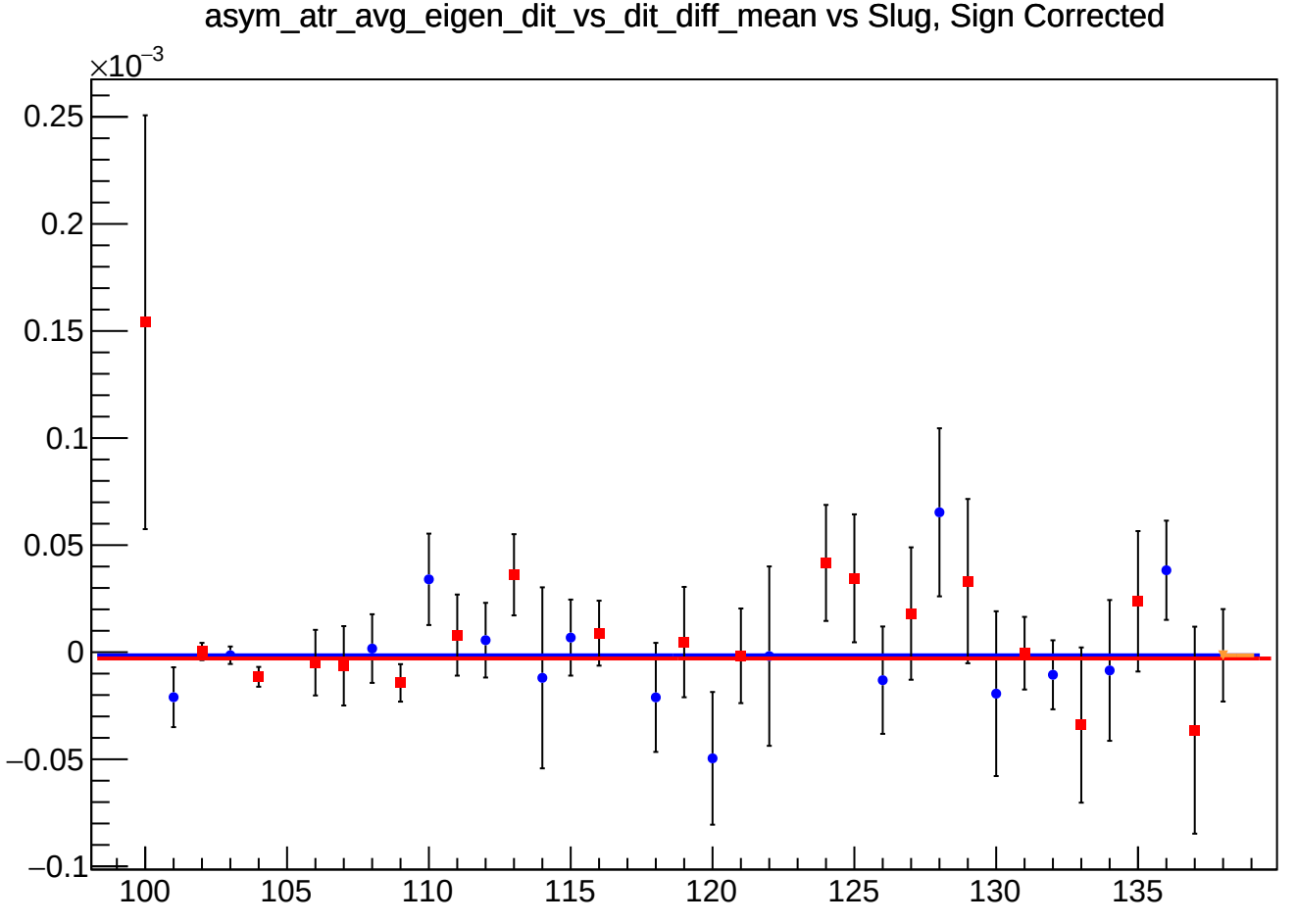
Left: 335.930+/-0.277 χ^2/NDF: 0.0/0

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 189.628+/-0.054 χ^2/NDF:1465476.9/15

Out: 169.610+/-0.049 χ^2/NDF:3016294.1/19

All: 178.544+/-0.036 χ^2/NDF: 4557071.0/35



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

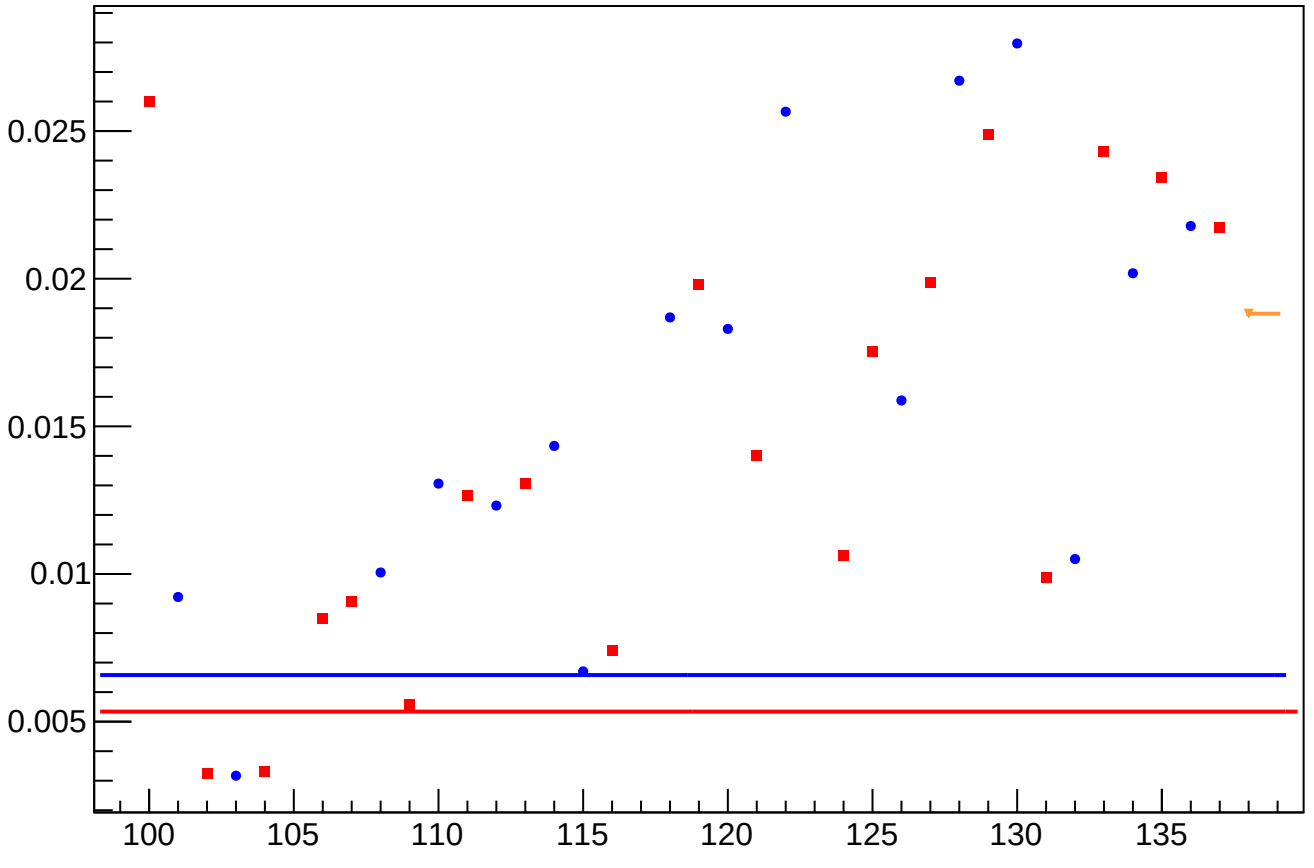
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:14.8/15

Out: -0.000+/-0.000 χ^2/NDF:21.3/19

All: -0.000+/-0.000 χ^2/NDF: 36.3/35



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.019+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.019+/-0.000 χ^2/NDF: 0.0/0

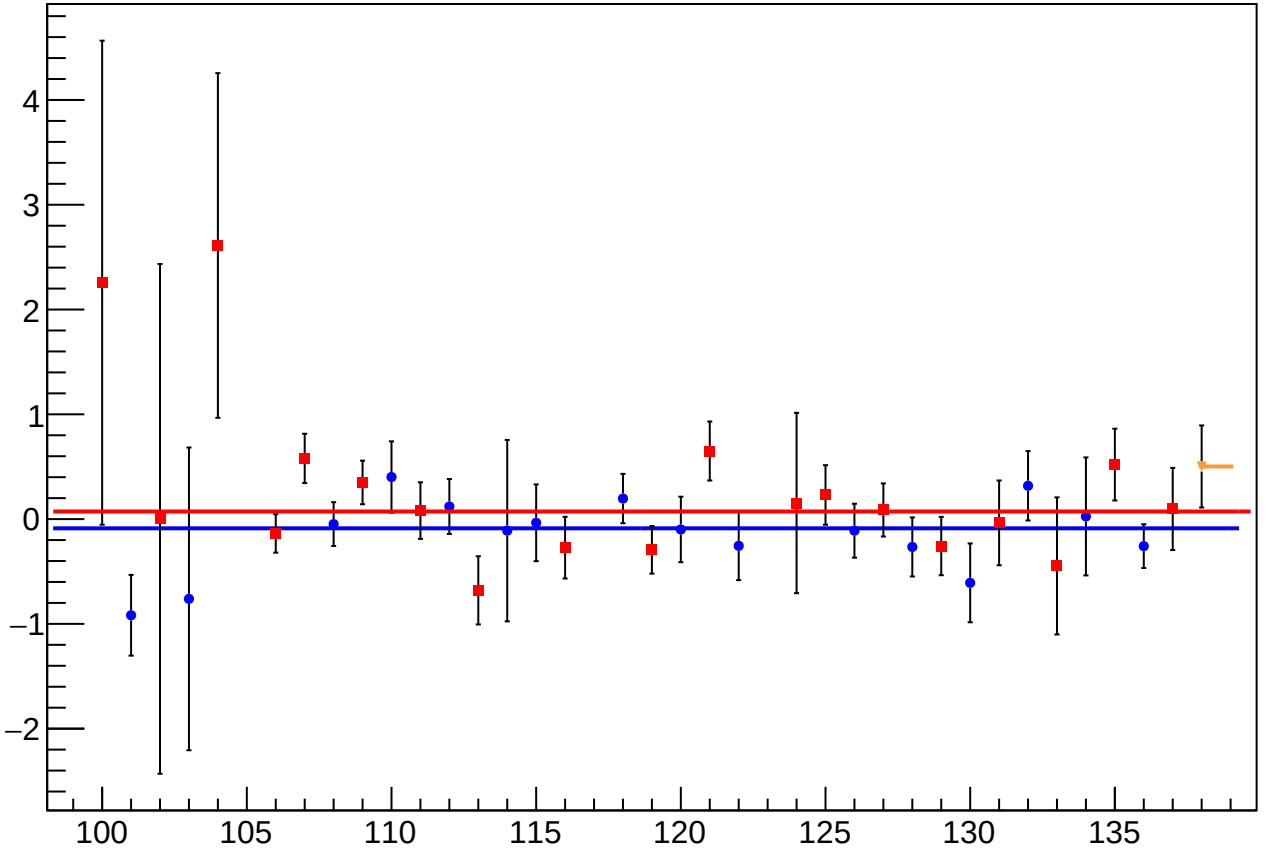
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.007+/-0.000 χ^2/NDF:5928012.0/15

Out: 0.006+/-0.000 χ^2/NDF:6454941.0/19

All: 0.006+/-0.000 χ^2/NDF: 12509159.1/35

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.502+/-0.391 χ^2/NDF:0.0/0

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

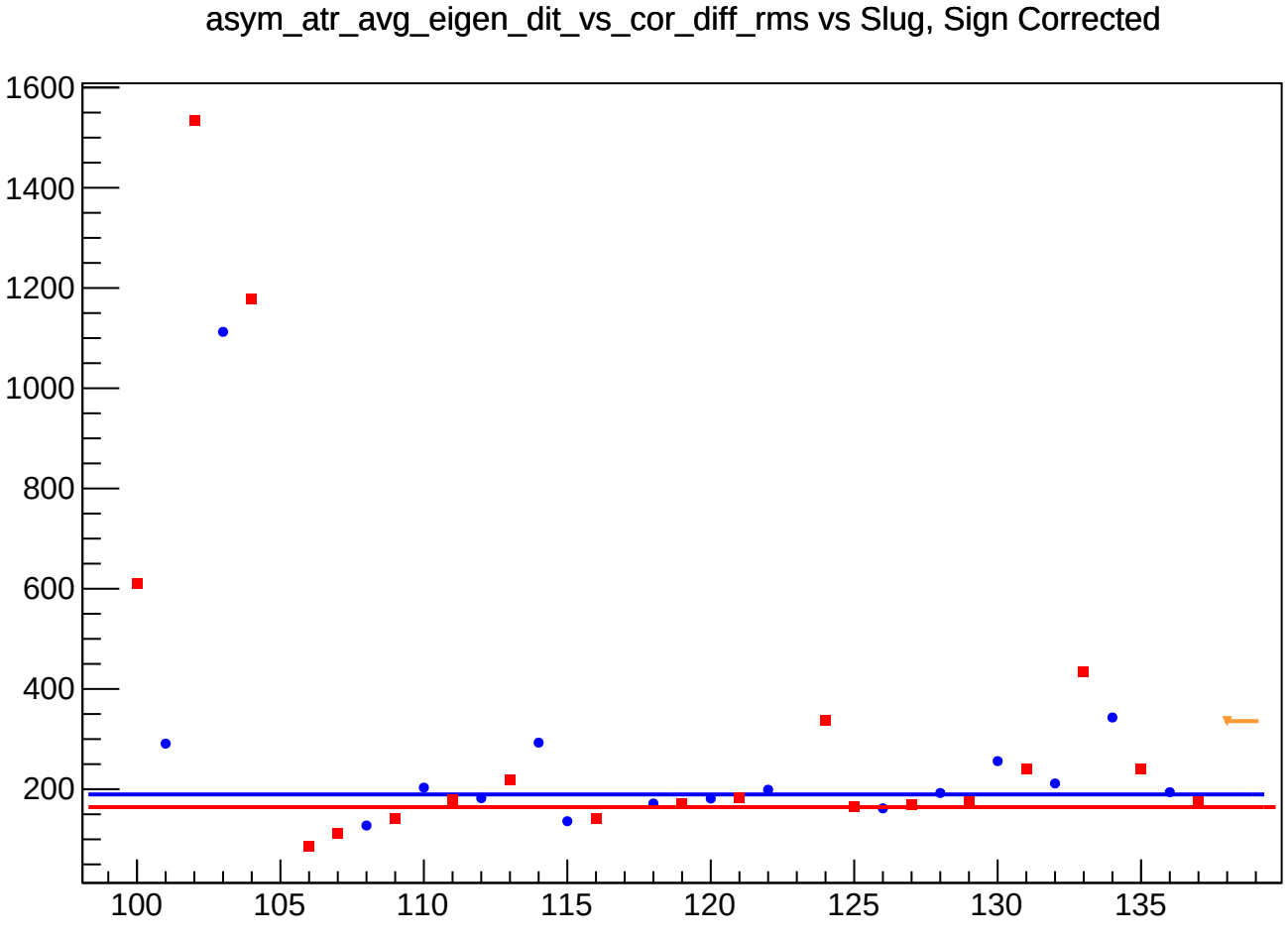
Left: 0.502+/-0.391 χ^2/NDF: 0.0/0

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.088+/-0.077 χ^2/NDF:13.9/15

Out: 0.086+/-0.069 χ^2/NDF:29.8/19

All: 0.008+/-0.051 χ^2/NDF: 46.5/35



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 335.935+/-0.277 χ^2/NDF:0.0/0

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 335.935+/-0.277 χ^2/NDF: 0.0/0

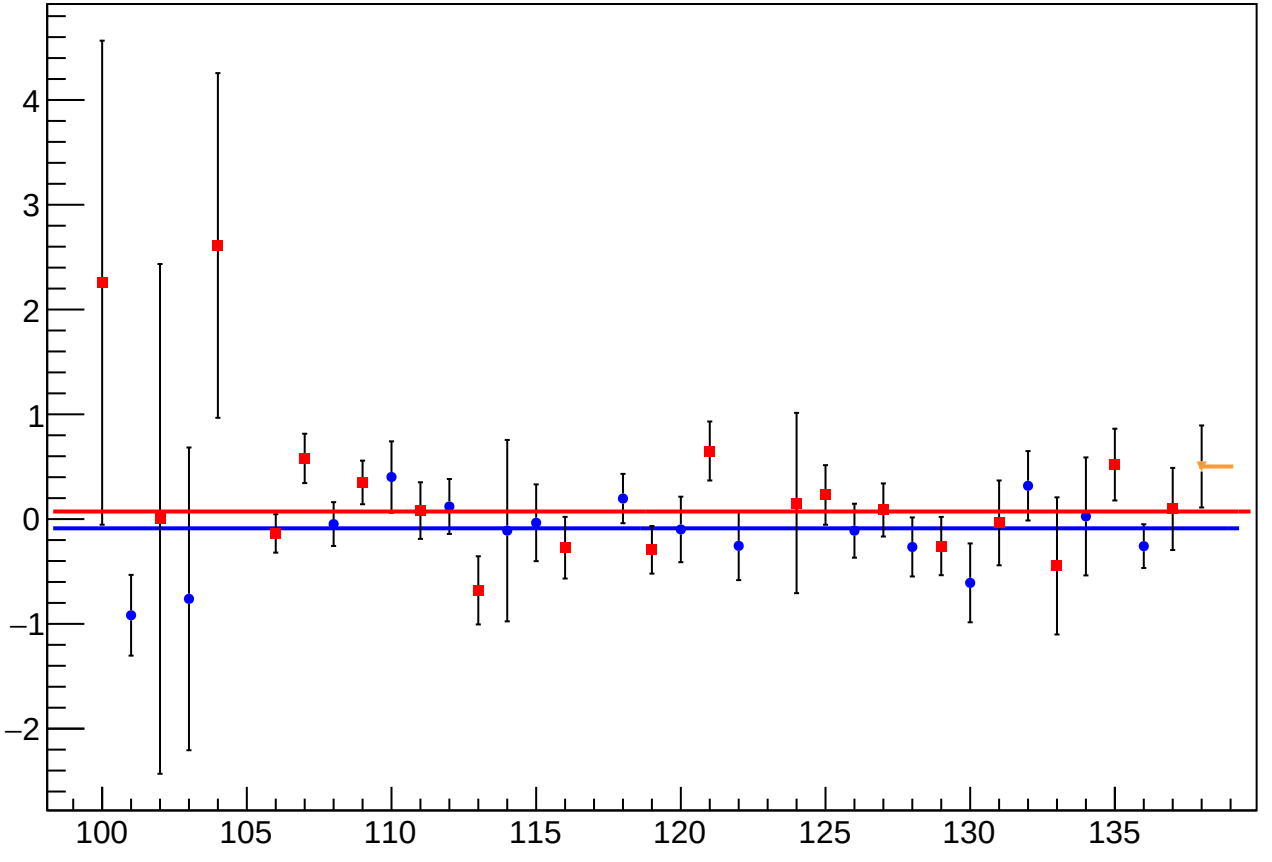
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 189.628+/-0.054 χ^2/NDF:1465464.1/15

Out: 169.609+/-0.049 χ^2/NDF:3016286.2/19

All: 178.543+/-0.036 χ^2/NDF: 4557051.3/35

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: 0.502+/-0.391 χ^2/NDF:0.0/0

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.502+/-0.391 χ^2/NDF: 0.0/0

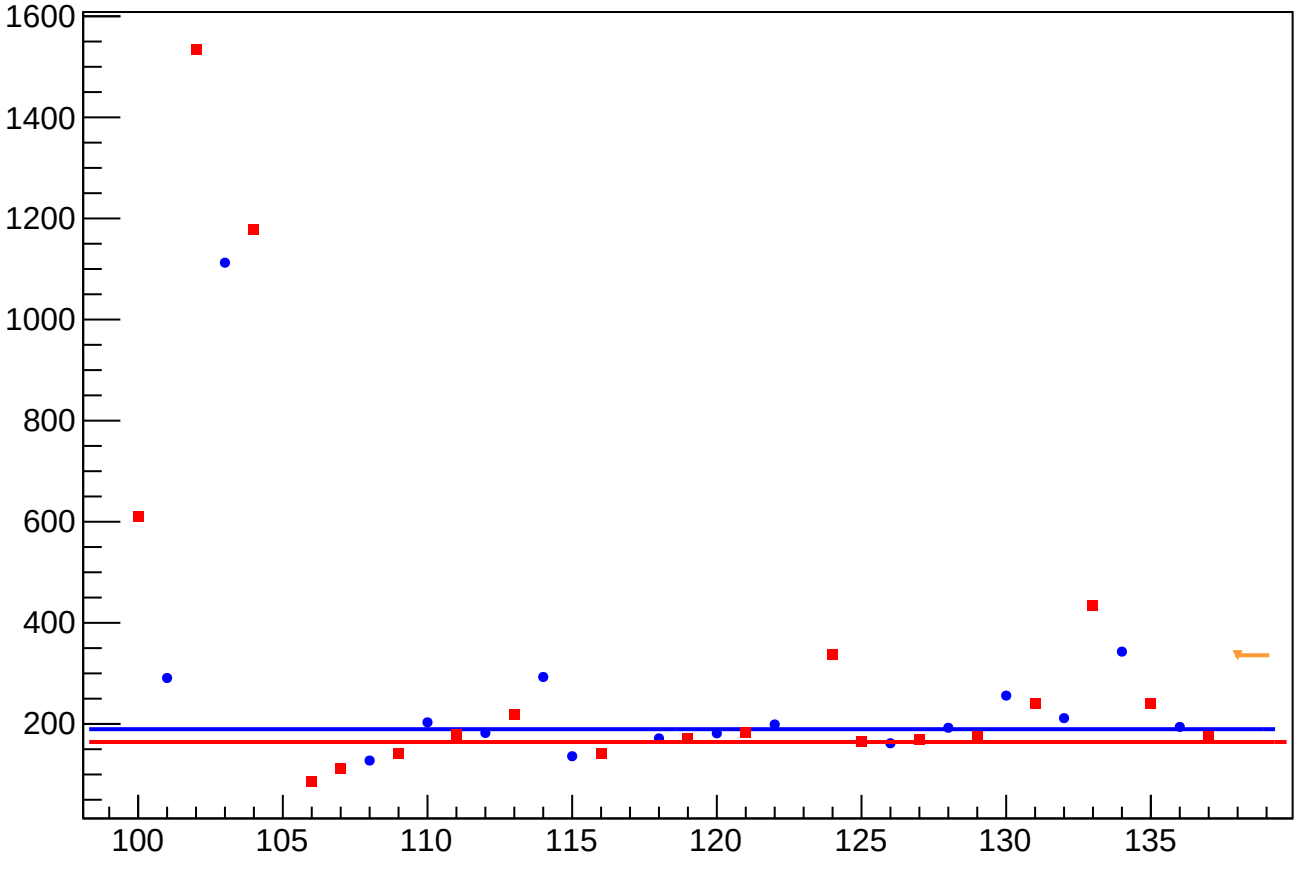
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.088+/-0.077 χ^2/NDF:13.9/15

Out: 0.086+/-0.069 χ^2/NDF:29.8/19

All: 0.008+/-0.051 χ^2/NDF: 46.5/35

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: 335.935+/-0.277 χ^2/NDF:0.0/0

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

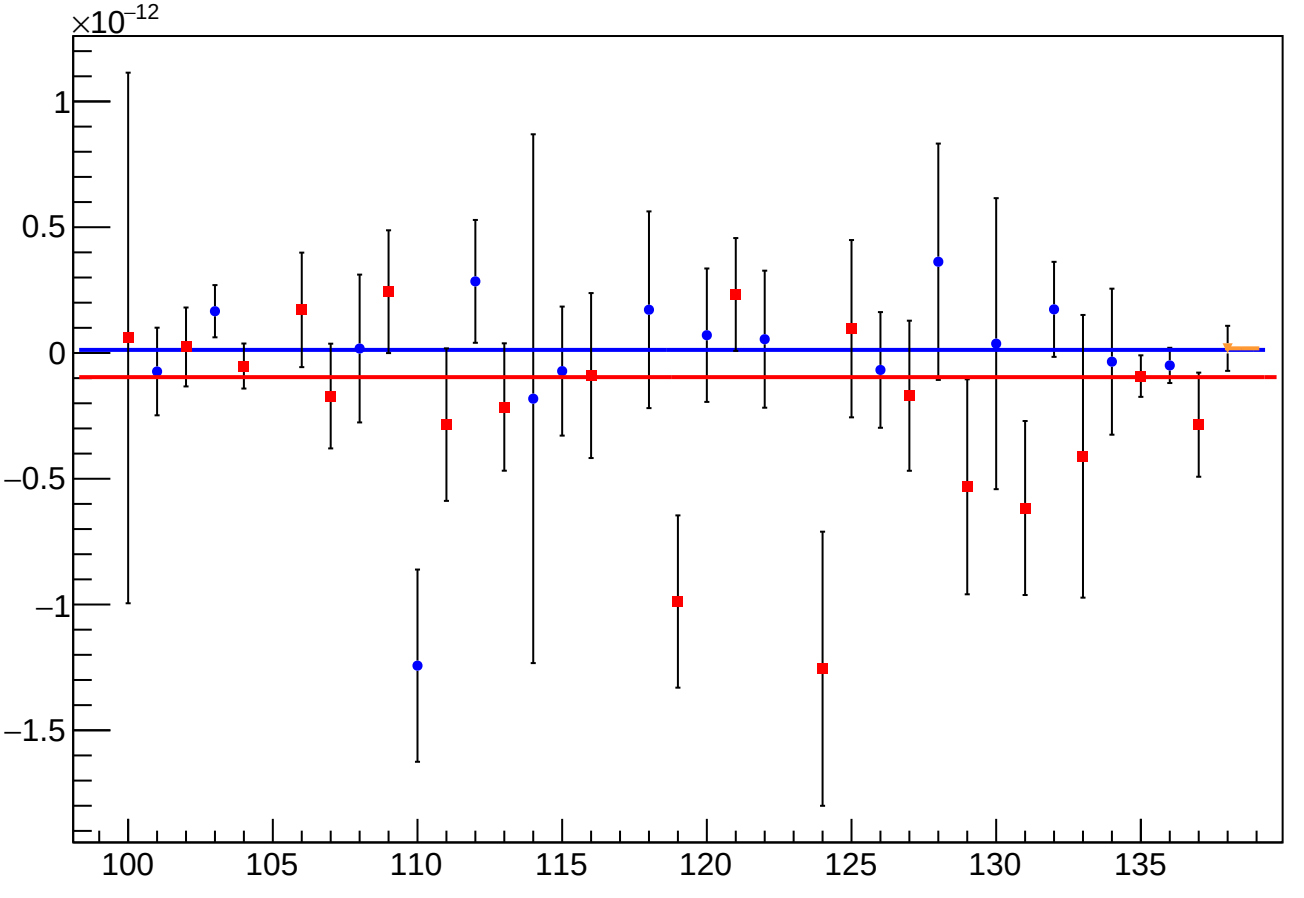
Left: 335.935+/-0.277 χ^2/NDF: 0.0/0

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 189.628+/-0.054 χ^2/NDF:1465464.1/15

Out: 169.609+/-0.049 χ^2/NDF:3016286.2/19

All: 178.543+/-0.036 χ^2/NDF: 4557051.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

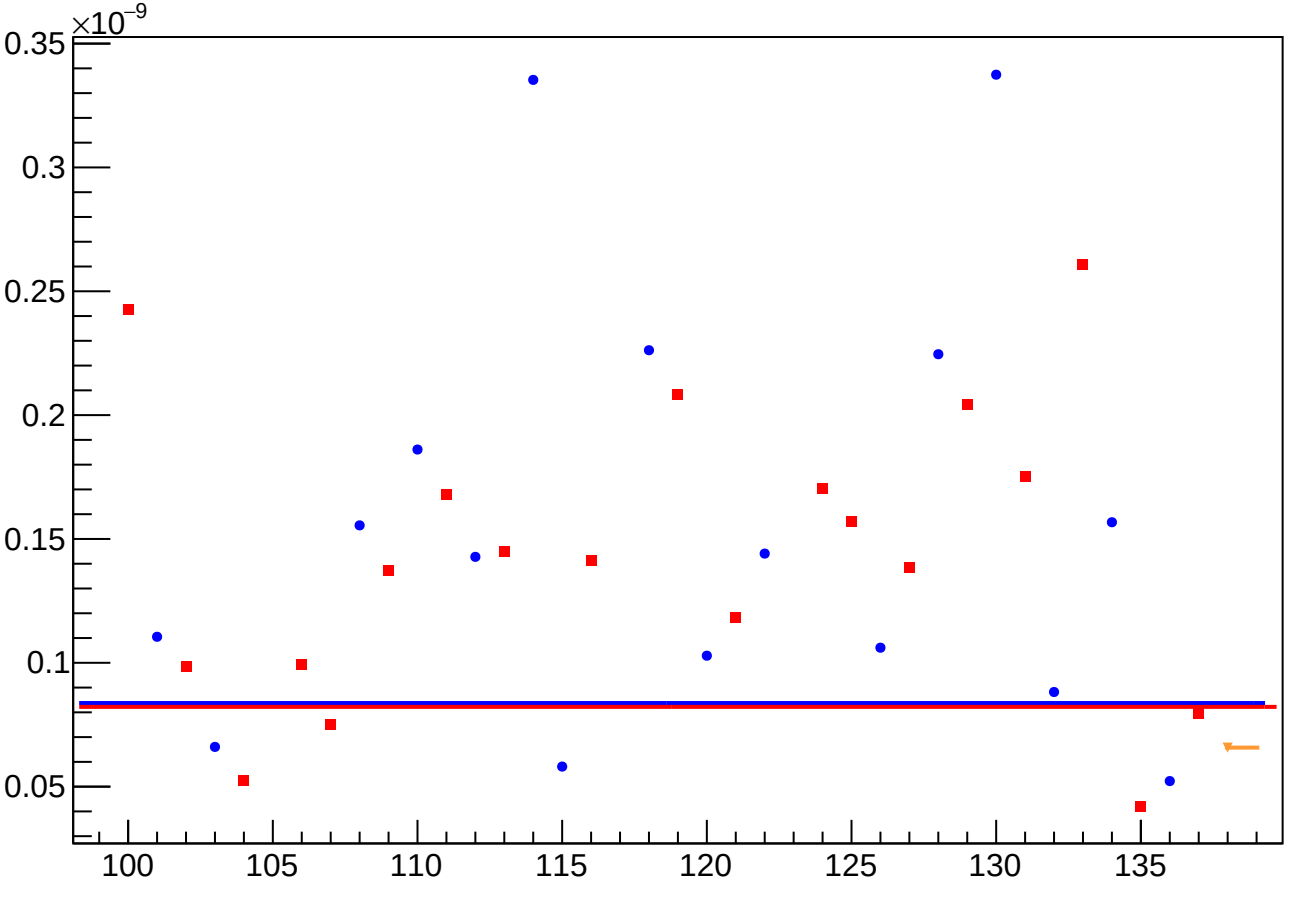
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: 0.000+/-0.000 χ^2/NDF:17.1/15

Out: -0.000+/-0.000 χ^2/NDF:24.5/19

All: -0.000+/-0.000 χ^2/NDF: 43.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

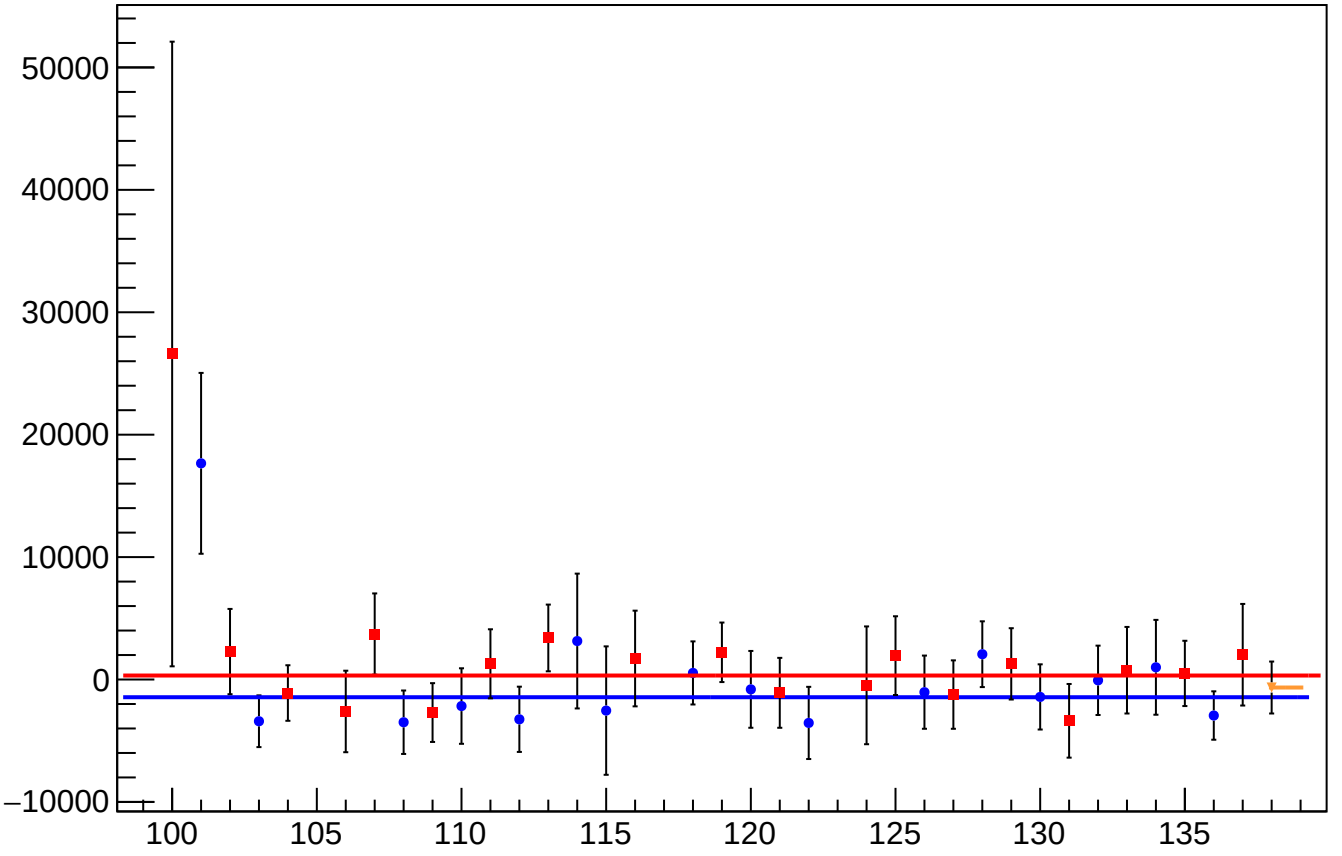
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:2109060.6/15

Out: 0.000+/-0.000 χ^2/NDF:2325870.6/19

All: 0.000+/-0.000 χ^2/NDF: 4447635.6/35

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: -654.059+/-2121.638 χ^2/NDF:0.0/0

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -654.059+/-2121.638 χ^2/NDF: 0.0/0

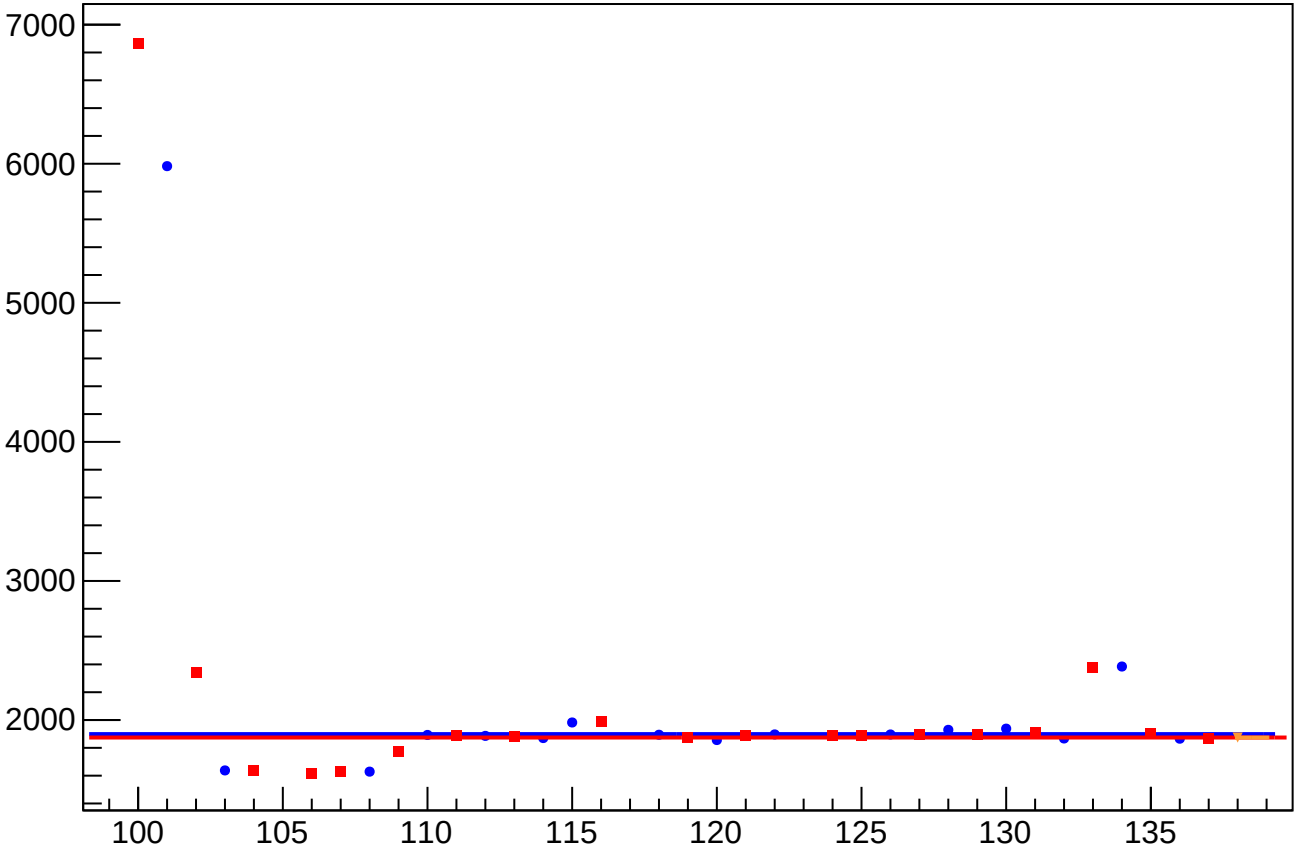
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -1446.547+/-723.140 χ^2/NDF:13.5/15

Out: 229.048+/-667.020 χ^2/NDF:10.1/19

All: -541.216+/-490.295 χ^2/NDF: 26.5/35

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1874.250+/-1.500 χ^2/NDF:0.0/0

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

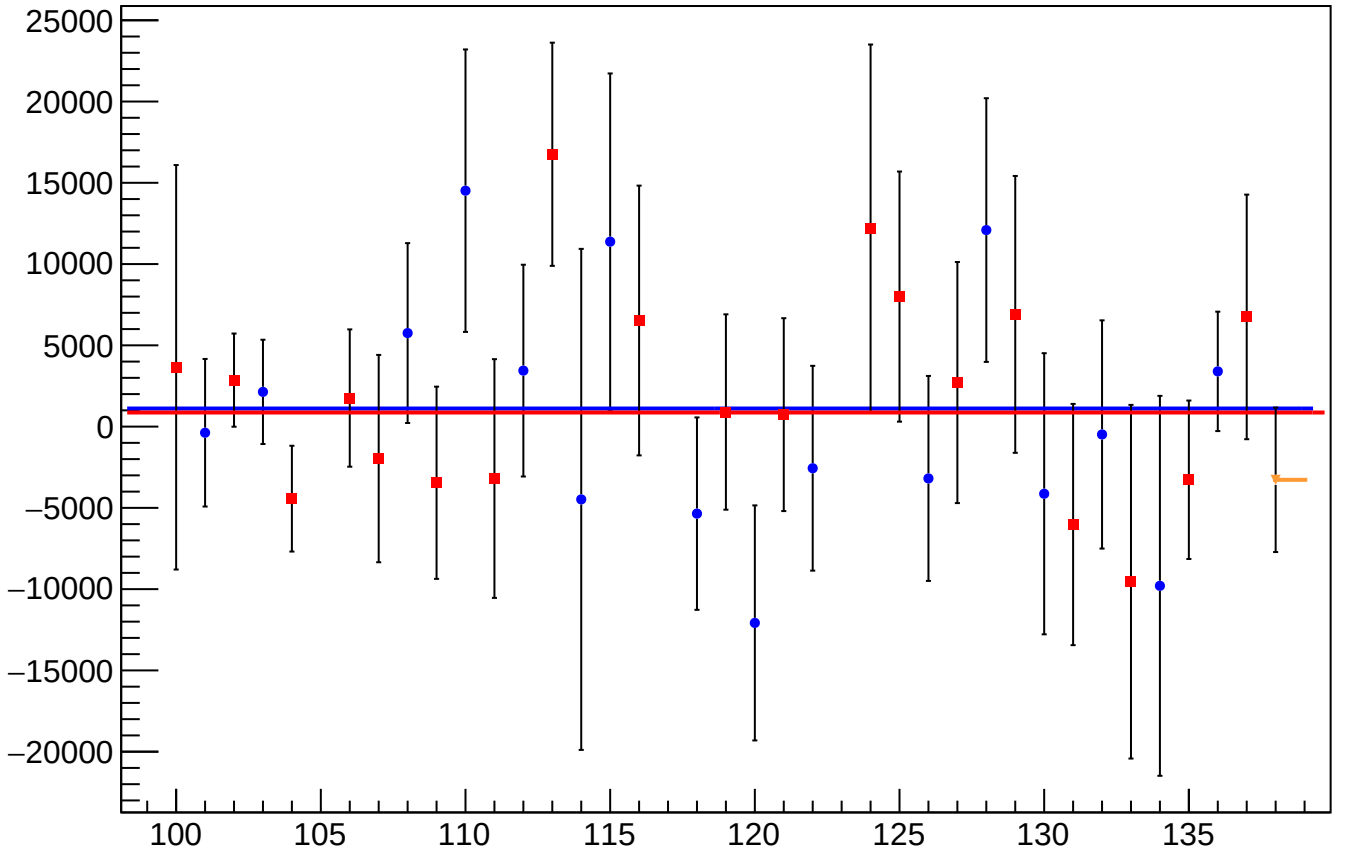
Left: 1874.250+/-1.500 χ^2/NDF: 0.0/0

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1898.826+/-0.511 χ^2/NDF:697514.2/15

Out: 1874.251+/-0.470 χ^2/NDF:207657.7/19

All: 1885.511+/-0.346 χ^2/NDF: 906423.5/35



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -3273.560+/-4444.189 χ^2/NDF:0.0/0

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

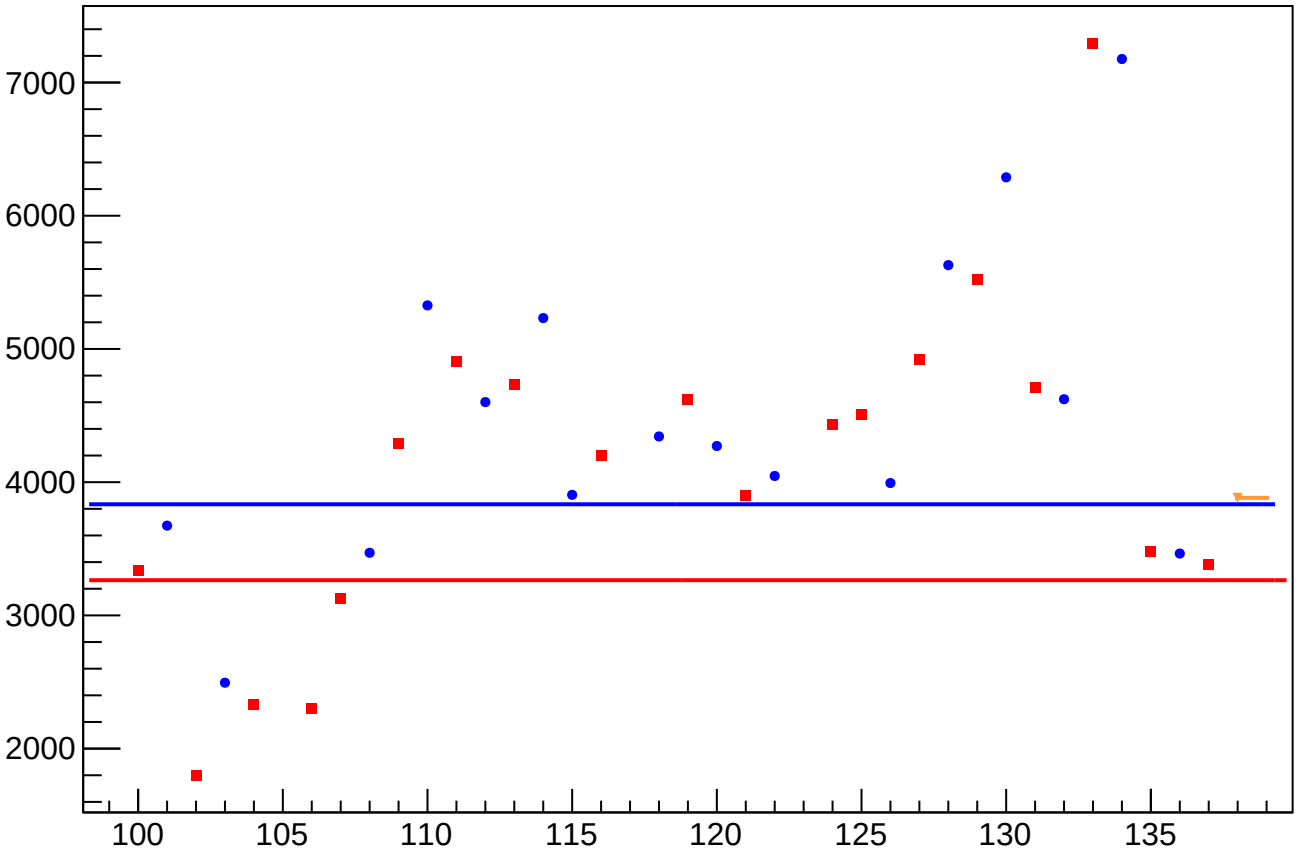
Left: -3273.560+/-4444.189 χ^2/NDF: 0.0/0

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

In: 1112.704+/-1479.265 χ^2/NDF:13.4/15

Out: 537.265+/-1254.097 χ^2/NDF:16.4/19

All: 777.901+/-956.591 χ^2/NDF: 29.9/35



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3882.555+/-3.143 χ^2/NDF:0.0/0

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

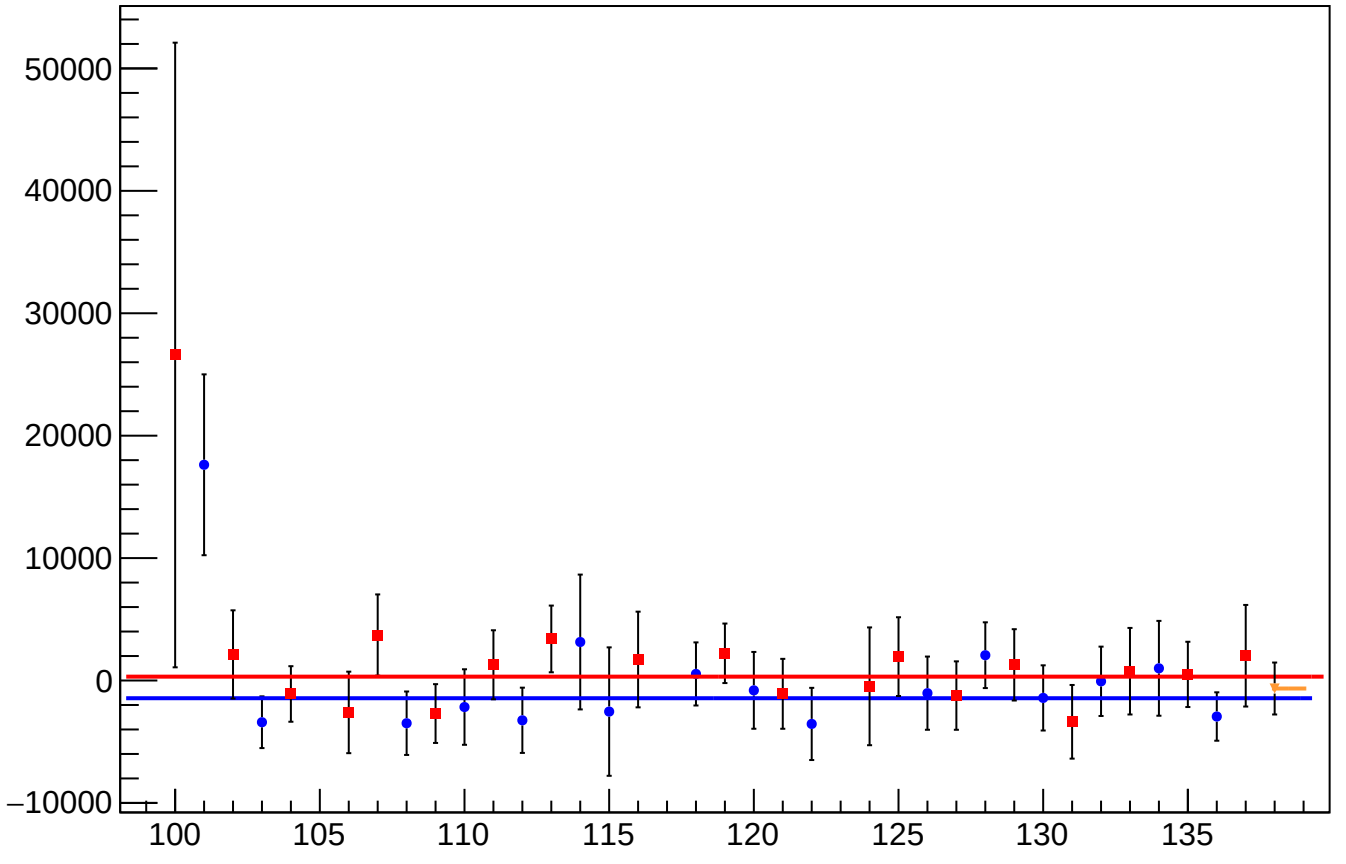
Left: 3882.555+/-3.143 χ^2/NDF: 0.0/0

Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3834.164+/-1.046 χ^2/NDF:956775.6/15

Out: 3313.357+/-0.887 χ^2/NDF:1899887.2/19

All: 3531.147+/-0.676 χ^2/NDF: 3000901.6/35



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: -654.066+/-2121.638 χ^2/NDF:0.0/0

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -654.066+/-2121.638 χ^2/NDF: 0.0/0

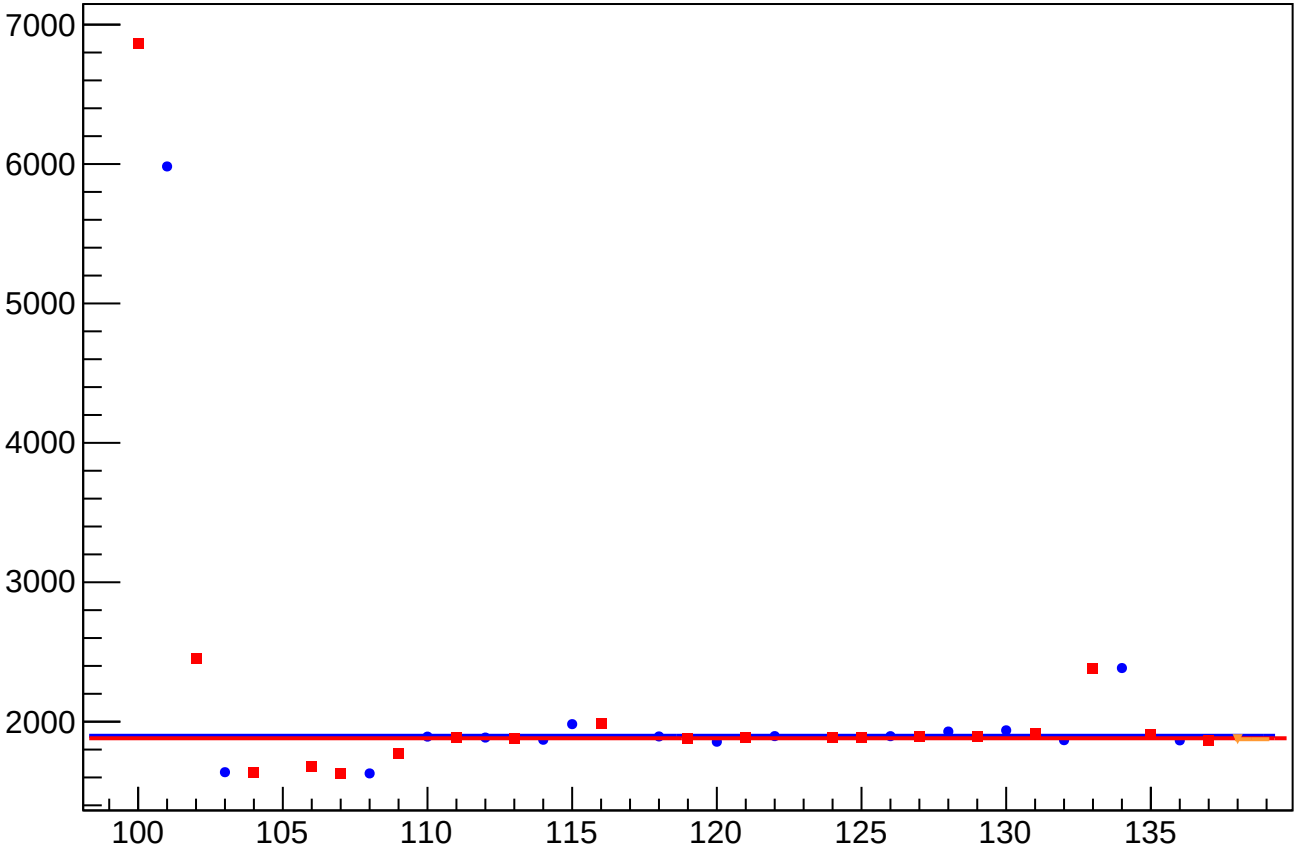
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -1446.933+/-723.140 χ^2/NDF:13.5/15

Out: 219.401+/-667.830 χ^2/NDF:10.1/19

All: -547.611+/-490.617 χ^2/NDF: 26.4/35

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1874.250+/-1.500 χ^2/NDF:0.0/0

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

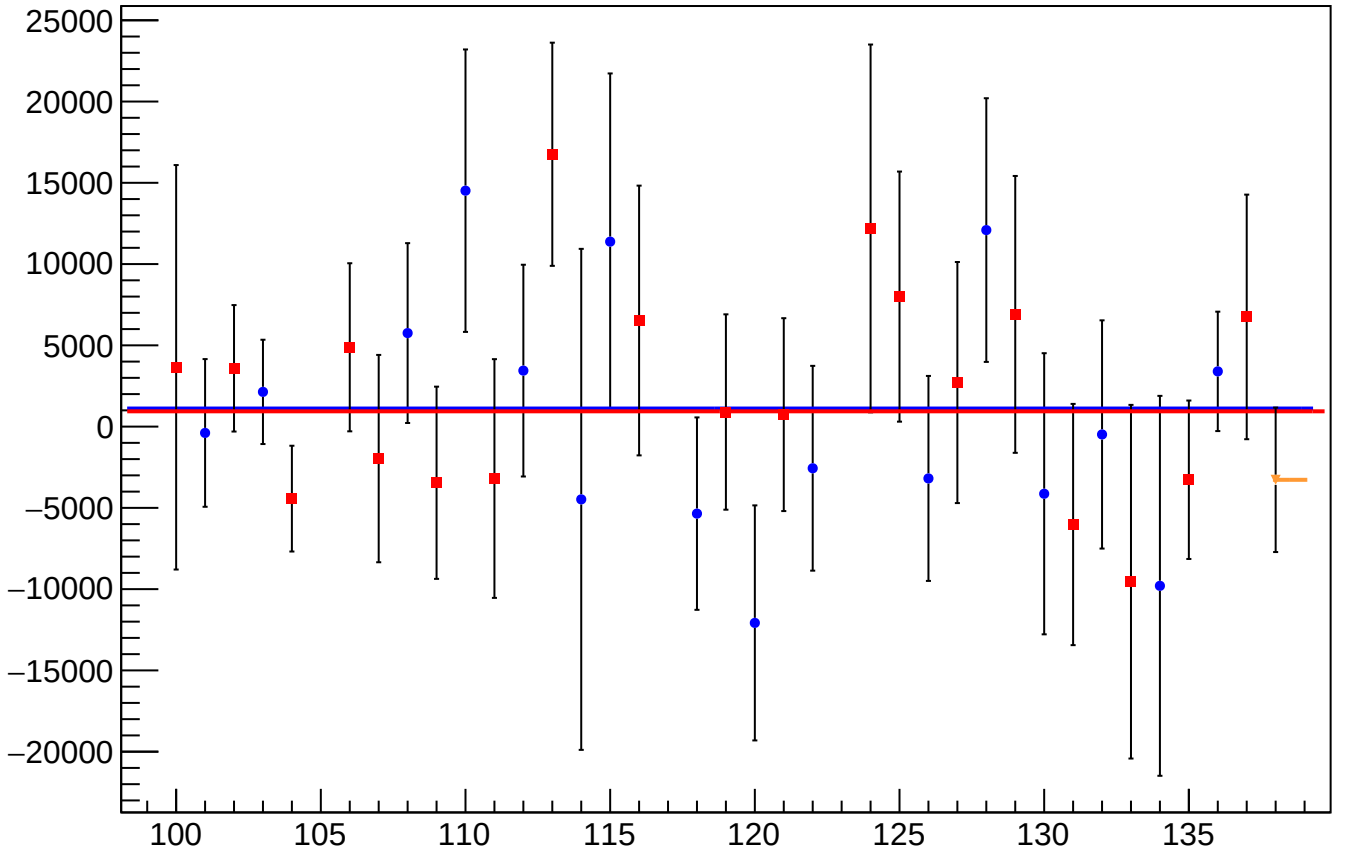
Left: 1874.250+/-1.500 χ^2/NDF: 0.0/0

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1898.826+/-0.511 χ^2/NDF:697514.4/15

Out: 1880.339+/-0.472 χ^2/NDF:216582.6/19

All: 1888.836+/-0.347 χ^2/NDF: 914803.4/35



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -3273.734+/-4444.193 χ^2/NDF:0.0/0

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

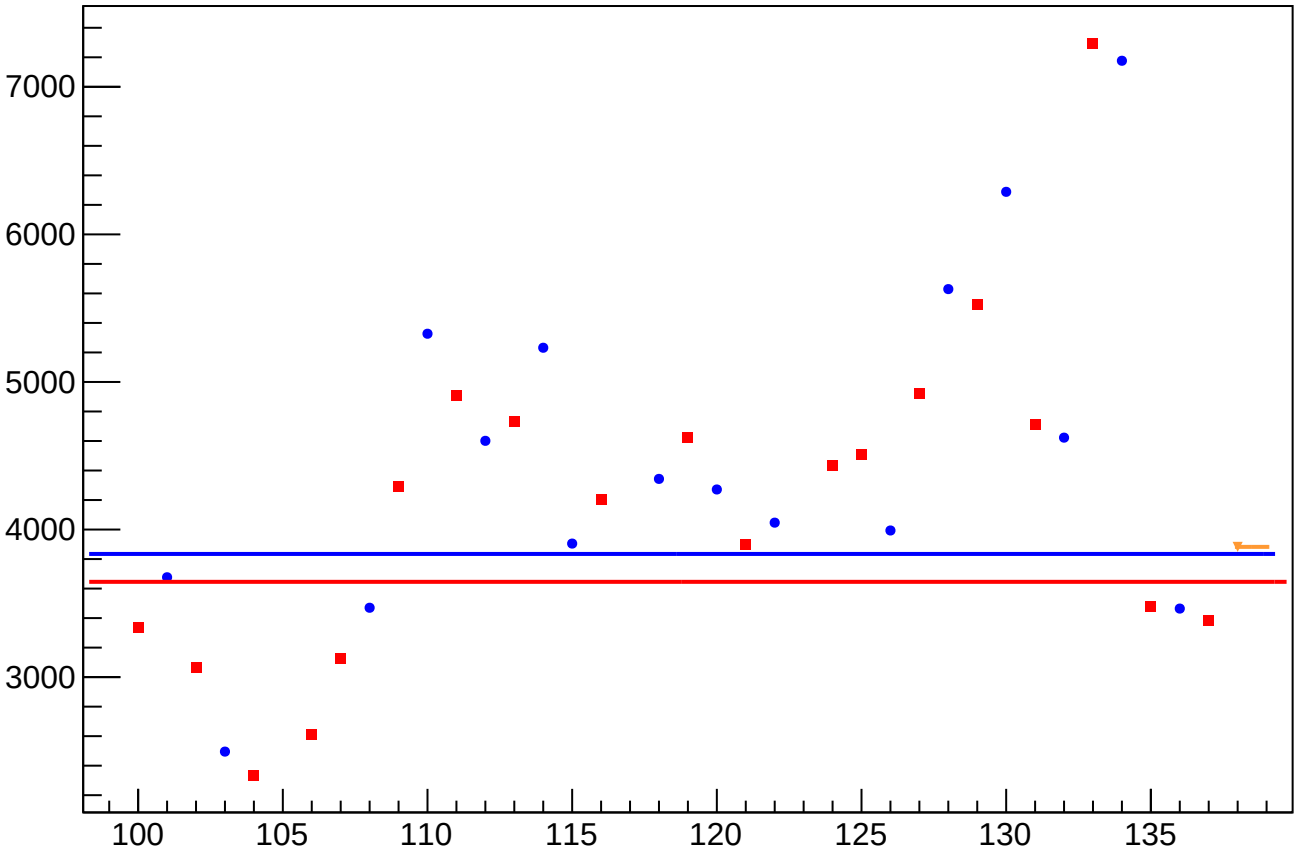
Left: -3273.734+/-4444.193 χ^2/NDF: 0.0/0

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 1111.533+/-1479.438 χ^2/NDF:13.4/15

Out: 560.741+/-1334.437 χ^2/NDF:17.0/19

All: 807.829+/-990.899 χ^2/NDF: 30.5/35



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3882.561+/-3.143 χ^2/NDF:0.0/0

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

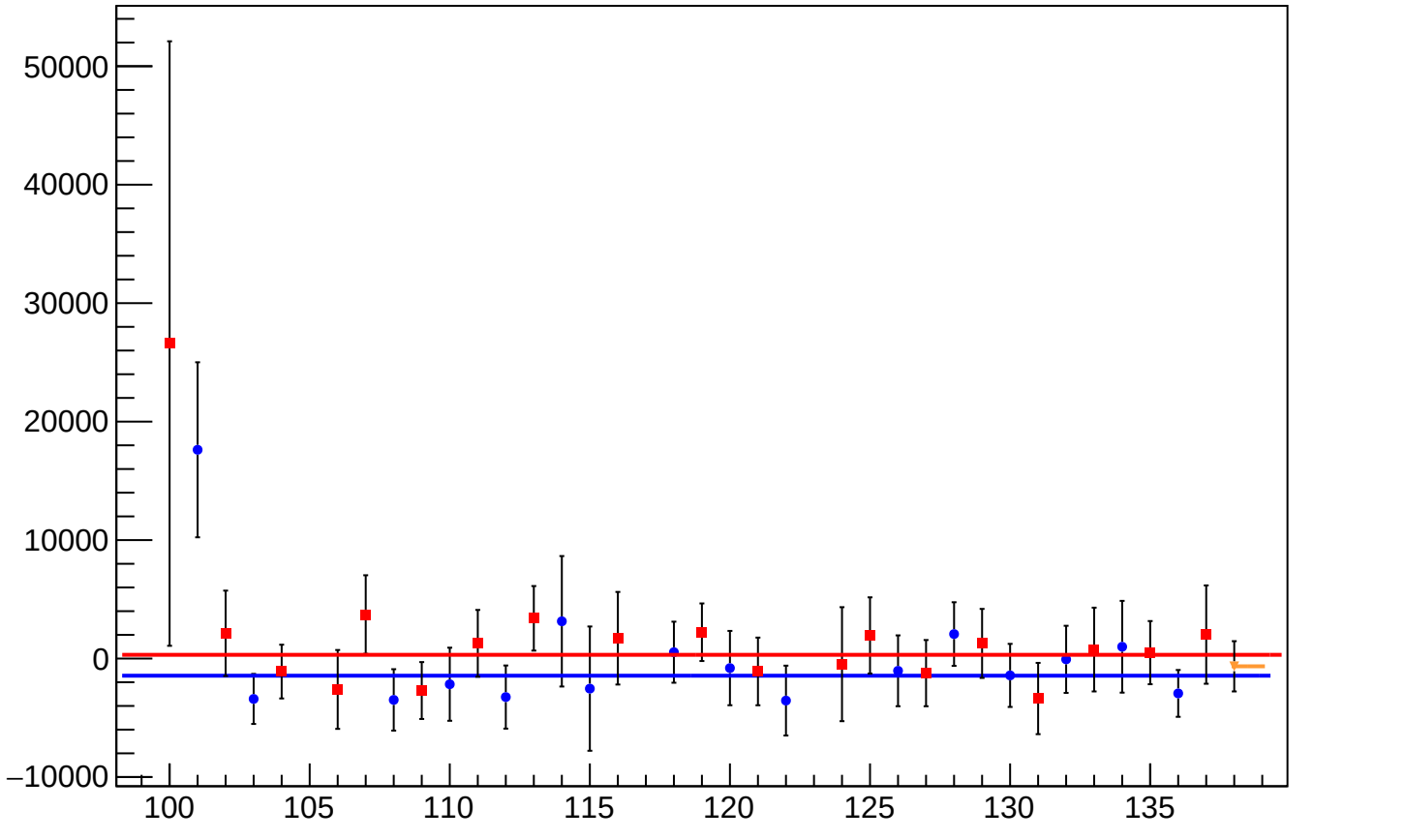
Left: 3882.561+/-3.143 χ^2/NDF: 0.0/0

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3834.690+/-1.046 χ^2/NDF:956312.2/15

Out: 3667.045+/-0.944 χ^2/NDF:1130150.7/19

All: 3742.252+/-0.701 χ^2/NDF: 2100623.4/35



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: -654.066+/-2121.638 χ^2/NDF:0.0/0

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -654.066+/-2121.638 χ^2/NDF: 0.0/0

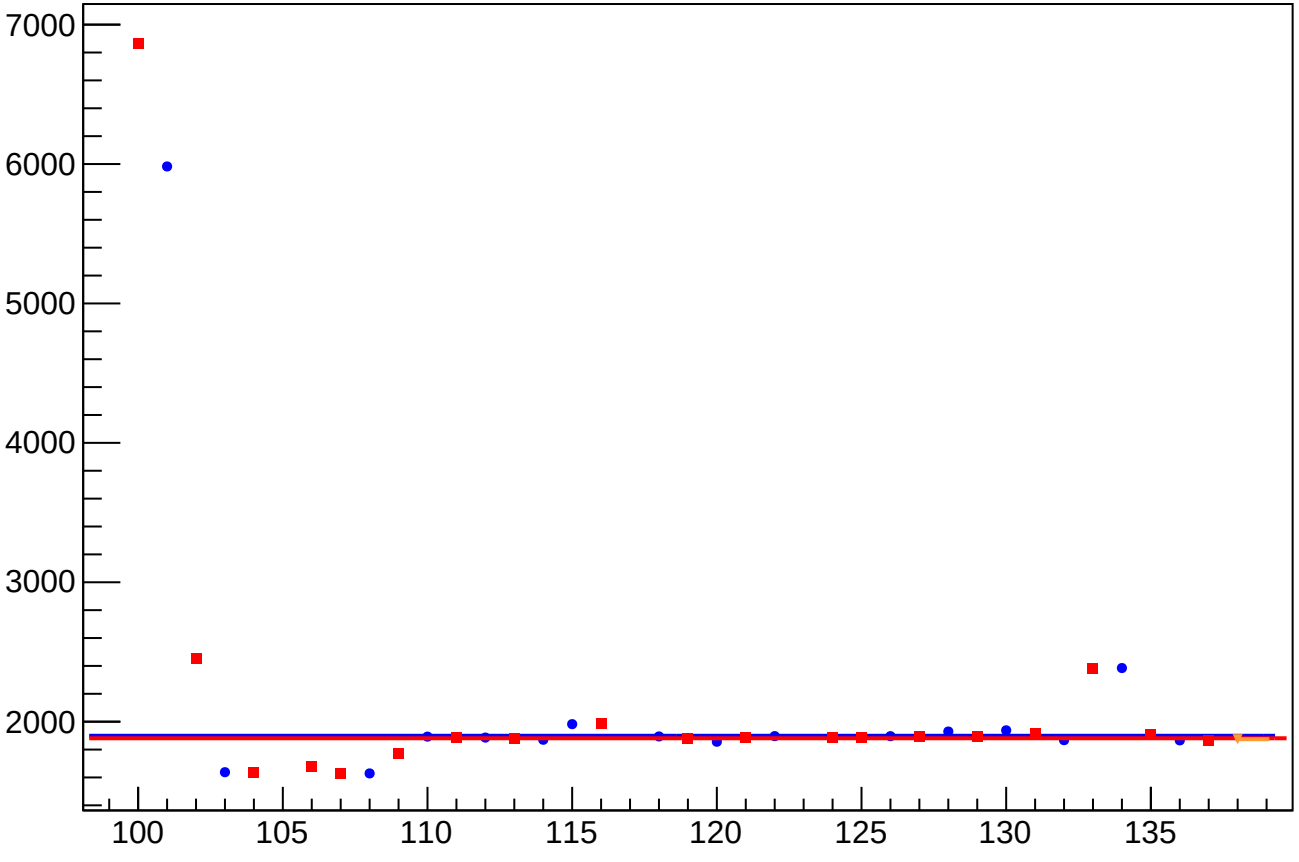
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -1446.933+/-723.140 χ^2/NDF:13.5/15

Out: 219.401+/-667.830 χ^2/NDF:10.1/19

All: -547.611+/-490.617 χ^2/NDF: 26.4/35

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1874.250+/-1.500 χ^2/NDF:0.0/0

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1874.250+/-1.500 χ^2/NDF: 0.0/0

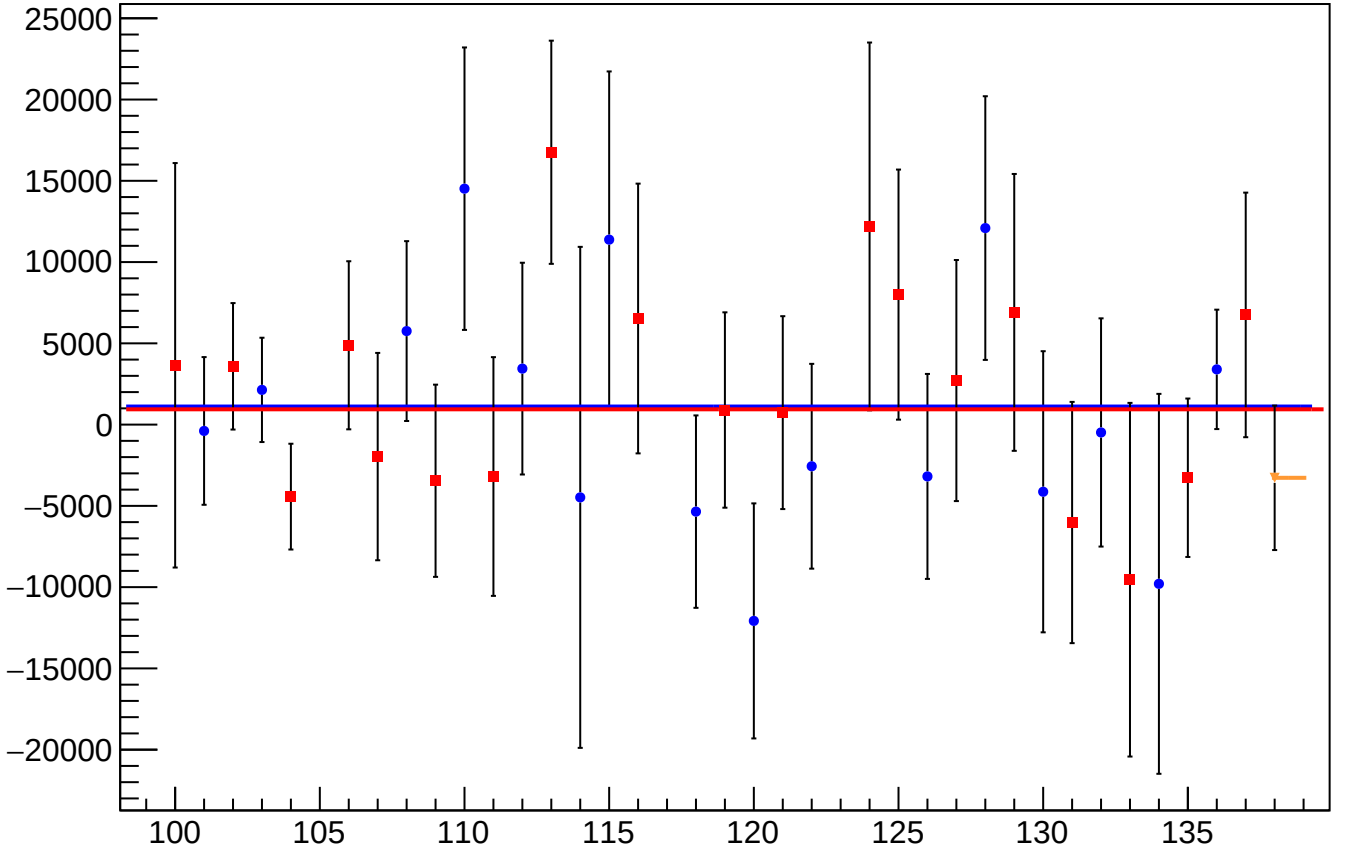
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1898.826+/-0.511 χ^2/NDF:697514.4/15

Out: 1880.339+/-0.472 χ^2/NDF:216582.6/19

All: 1888.836+/-0.347 χ^2/NDF: 914803.4/35

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: -3273.734+/-4444.193 χ^2/NDF:0.0/0

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

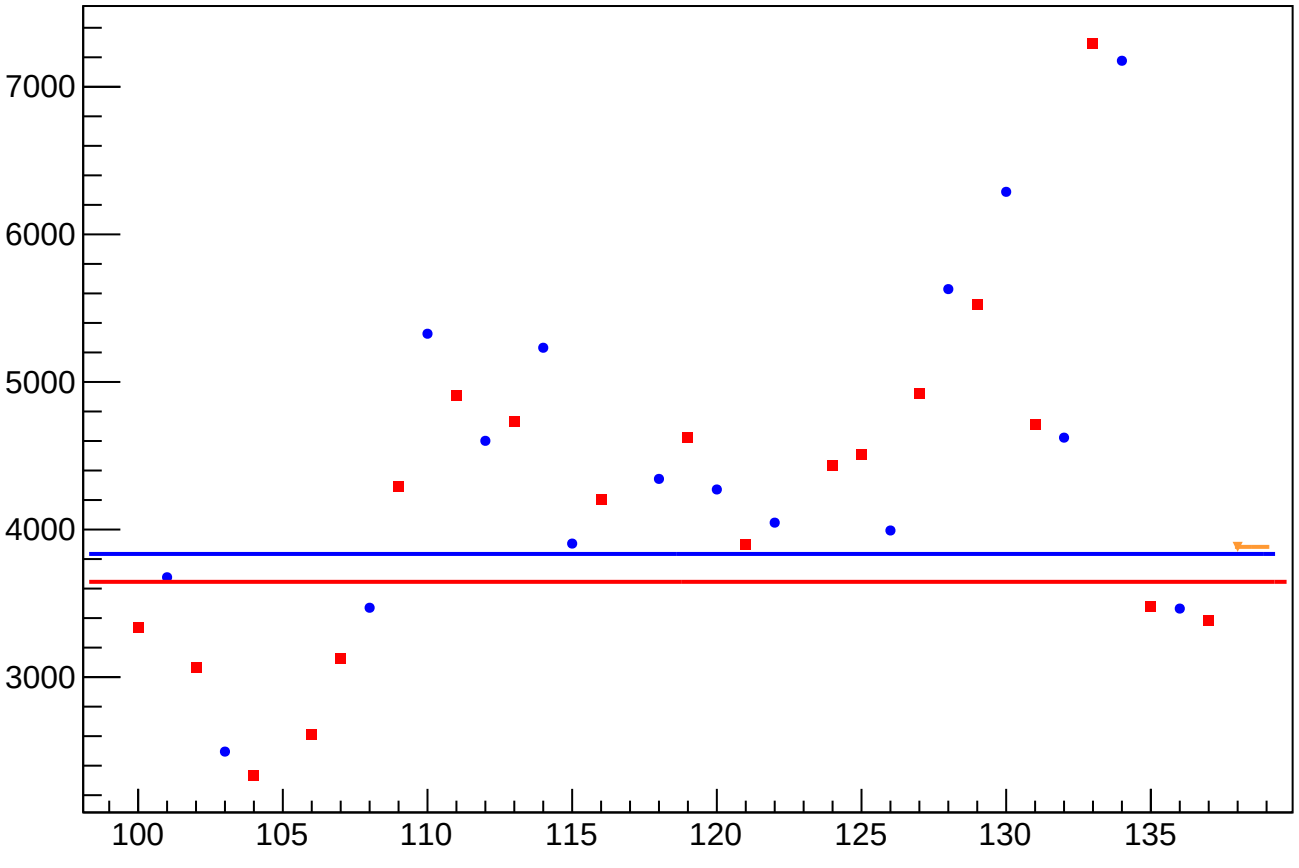
Left: -3273.734+/-4444.193 χ^2/NDF: 0.0/0

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 1111.533+/-1479.438 χ^2/NDF:13.4/15

Out: 560.741+/-1334.437 χ^2/NDF:17.0/19

All: 807.829+/-990.899 χ^2/NDF: 30.5/35



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3882.561+/-3.143 χ^2/NDF:0.0/0

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

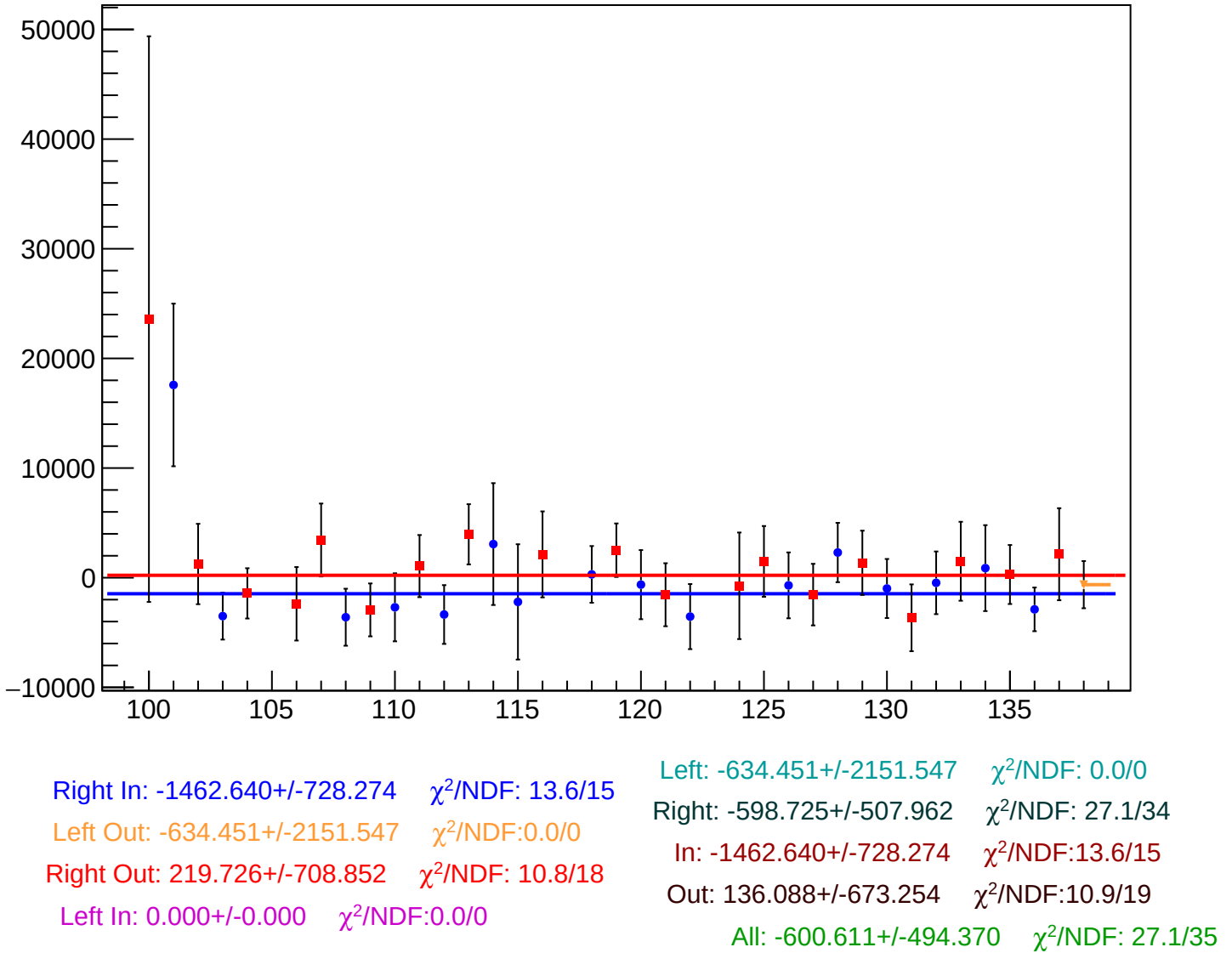
Left: 3882.561+/-3.143 χ^2/NDF: 0.0/0

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

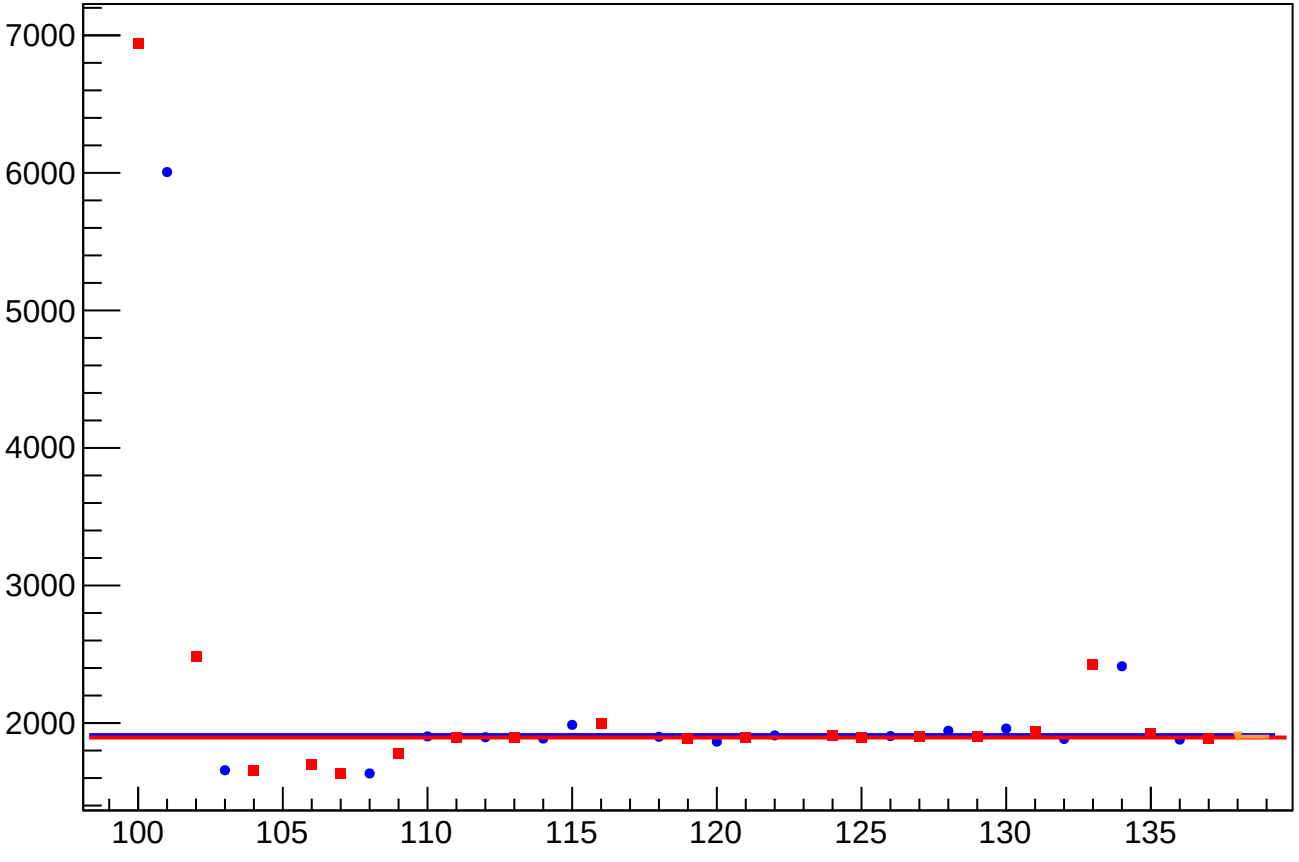
In: 3834.690+/-1.046 χ^2/NDF:956312.2/15

Out: 3667.045+/-0.944 χ^2/NDF:1130150.7/19

All: 3742.252+/-0.701 χ^2/NDF: 2100623.4/35


dit_asym_atr_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
Right In: -1462.640+/-728.274 χ²/NDF: 13.6/15
Left Out: -634.451+/-2151.547 χ²/NDF:0.0/0
Right Out: 219.726+/-708.852 χ²/NDF: 10.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -634.451+/-2151.547 χ²/NDF: 0.0/0
Right: -598.725+/-507.962 χ²/NDF: 27.1/34
In: -1462.640+/-728.274 χ²/NDF:13.6/15
Out: 136.088+/-673.254 χ²/NDF:10.9/19
All: -600.611+/-494.370 χ²/NDF: 27.1/35

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1900.591+/-1.521 χ^2/NDF:0.0/0

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

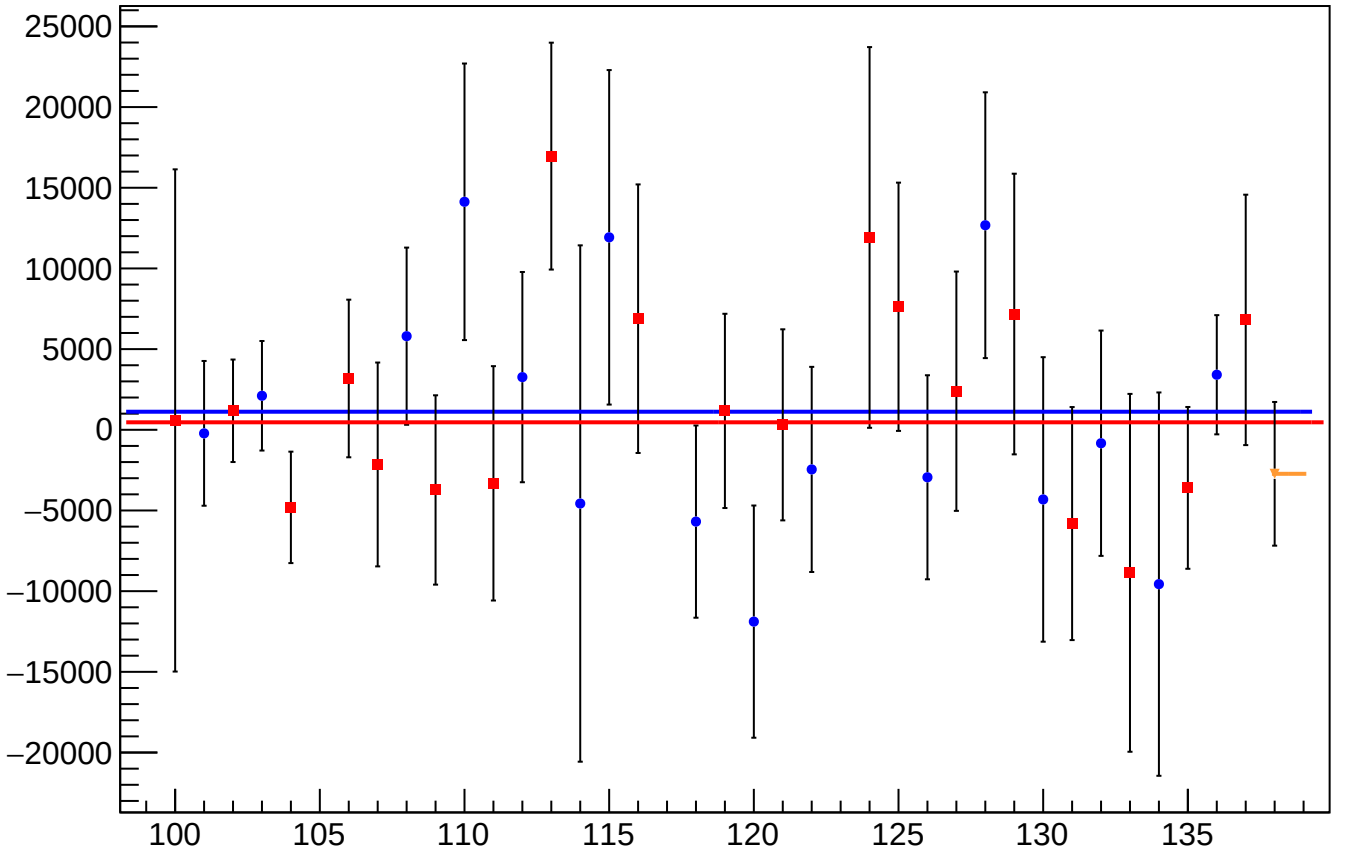
Left: 1900.591+/-1.521 χ^2/NDF: 0.0/0

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1912.378+/-0.515 χ^2/NDF:696220.3/15

Out: 1895.334+/-0.476 χ^2/NDF:219794.7/19

All: 1903.180+/-0.349 χ^2/NDF: 916606.1/35



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -2727.682+/-4452.469 χ^2/NDF:0.0/0

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

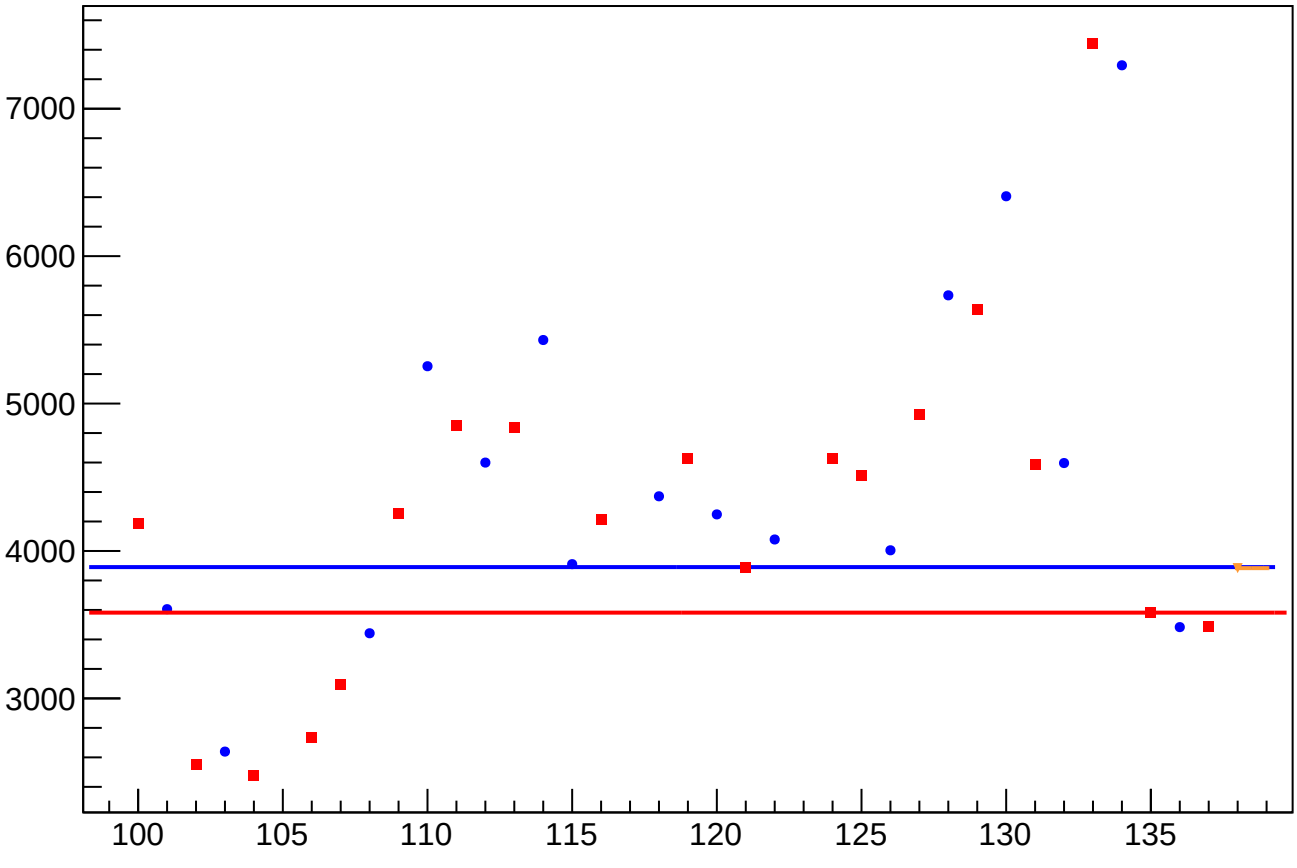
Left: -2727.682+/-4452.469 χ^2/NDF: 0.0/0

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 1120.173+/-1497.671 χ^2/NDF:13.5/15

Out: 187.994+/-1310.131 χ^2/NDF:15.5/19

All: 592.098+/-986.082 χ^2/NDF: 29.2/35



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3883.608+/-3.148 χ^2/NDF:0.0/0

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

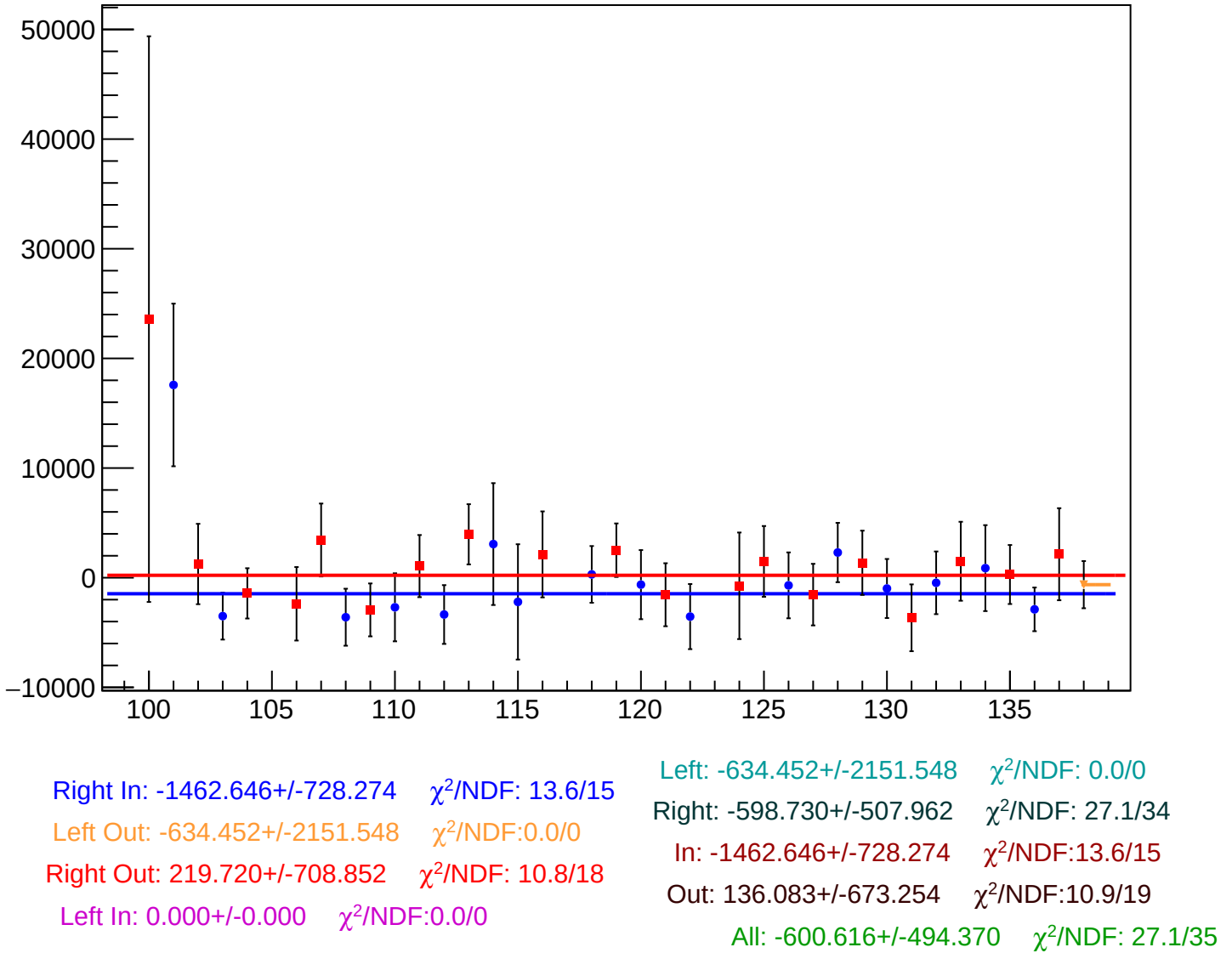
Left: 3883.608+/-3.148 χ^2/NDF: 0.0/0

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

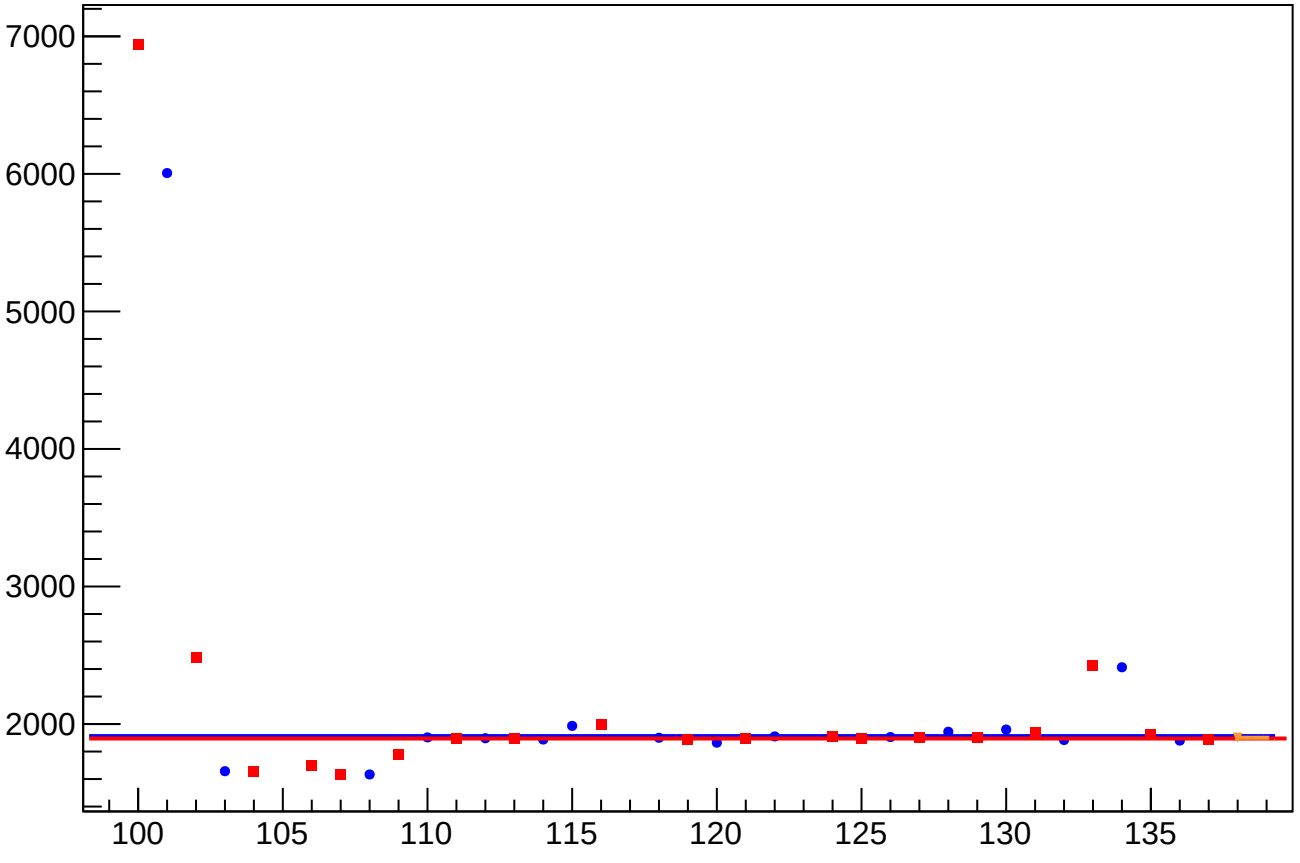
In: 3890.708+/-1.059 χ^2/NDF:878418.2/15

Out: 3607.913+/-0.926 χ^2/NDF:1230250.1/19

All: 3730.506+/-0.697 χ^2/NDF: 2149064.2/35


eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
Right In: -1462.646+/-728.274 χ²/NDF: 13.6/15
Left Out: -634.452+/-2151.548 χ²/NDF:0.0/0
Right Out: 219.720+/-708.852 χ²/NDF: 10.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -634.452+/-2151.548 χ²/NDF: 0.0/0
Right: -598.730+/-507.962 χ²/NDF: 27.1/34
In: -1462.646+/-728.274 χ²/NDF:13.6/15
Out: 136.083+/-673.254 χ²/NDF:10.9/19
All: -600.616+/-494.370 χ²/NDF: 27.1/35

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1900.592+/-1.521 χ^2/NDF:0.0/0

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1900.592+/-1.521 χ^2/NDF: 0.0/0

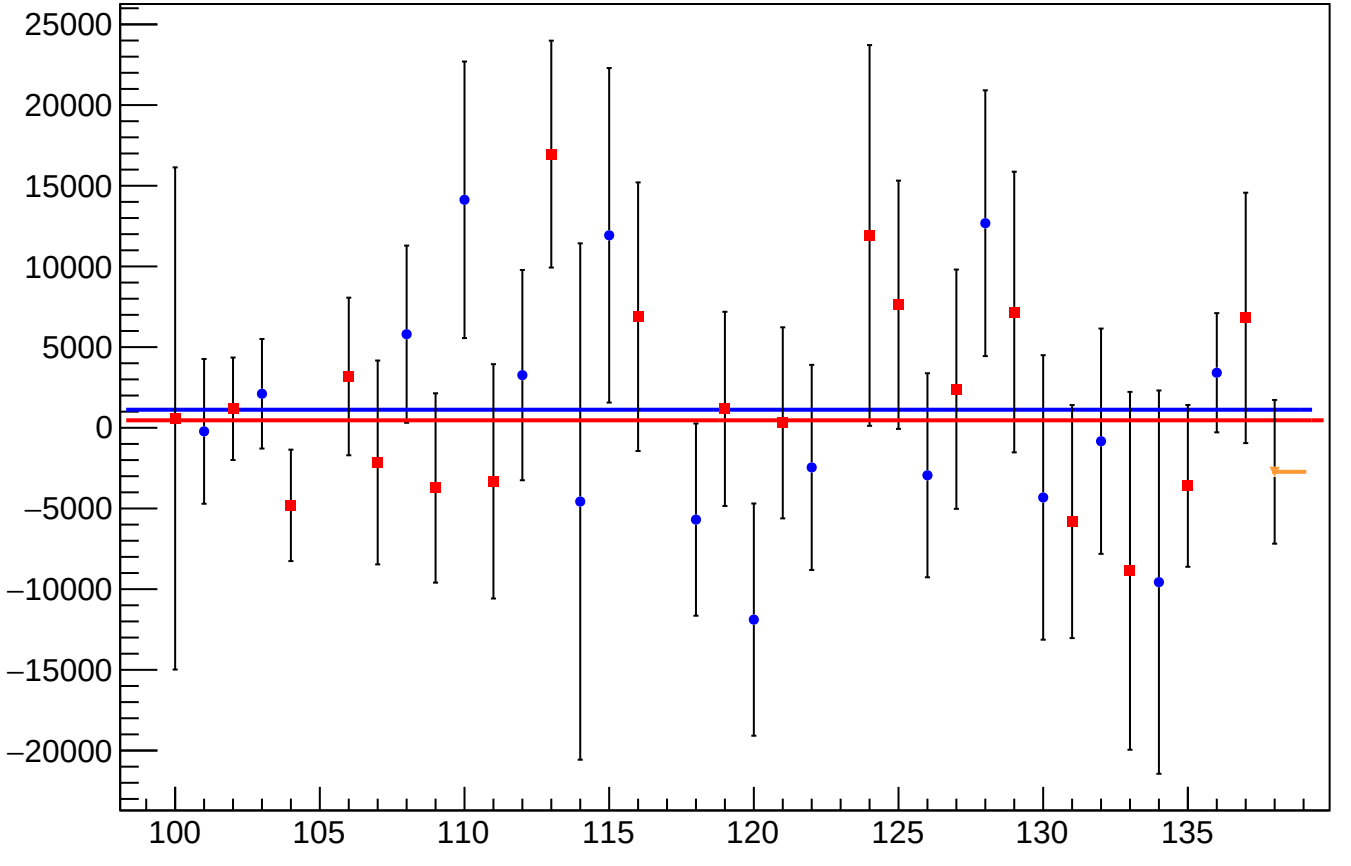
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1912.378+/-0.515 χ^2/NDF:696220.1/15

Out: 1895.334+/-0.476 χ^2/NDF:219794.7/19

All: 1903.180+/-0.349 χ^2/NDF: 916606.0/35

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: -2727.681+/-4452.479 χ^2/NDF:0.0/0

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

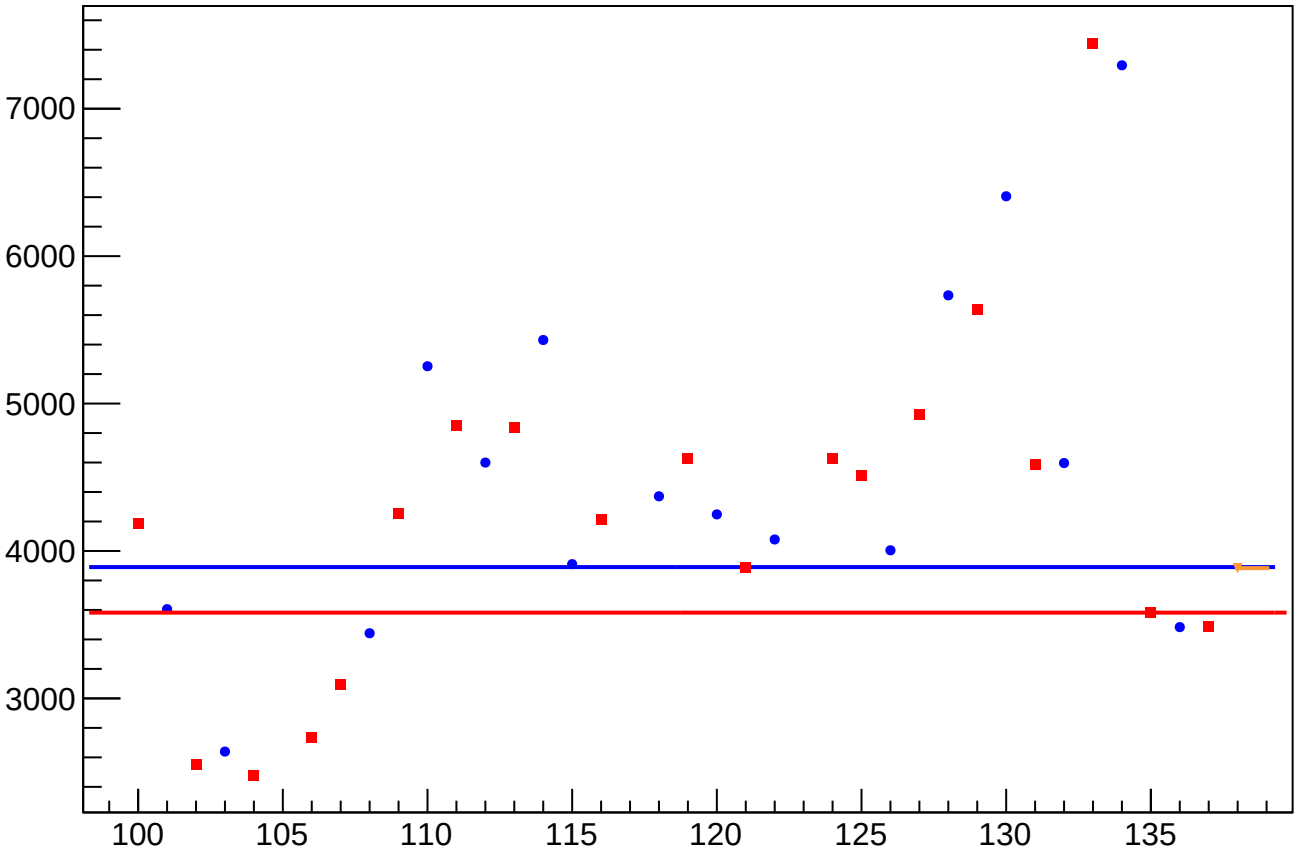
Left: -2727.681+/-4452.479 χ^2/NDF: 0.0/0

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 1120.159+/-1497.669 χ^2/NDF:13.5/15

Out: 187.995+/-1310.130 χ^2/NDF:15.5/19

All: 592.092+/-986.081 χ^2/NDF: 29.2/35



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3883.616+/-3.148 χ^2/NDF:0.0/0

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3883.616+/-3.148 χ^2/NDF: 0.0/0

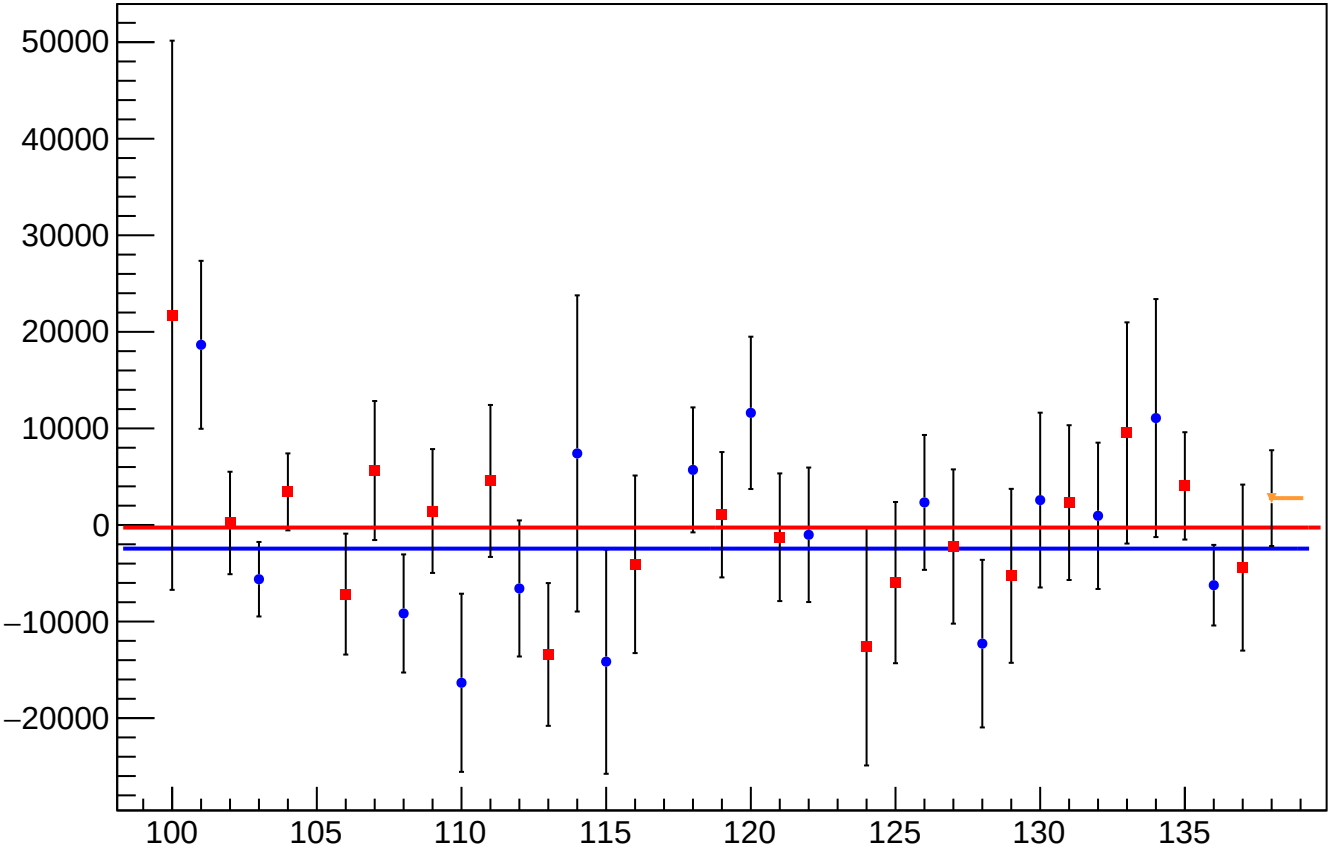
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3890.705+/-1.059 χ^2/NDF:878409.2/15

Out: 3607.911+/-0.926 χ^2/NDF:1230242.1/19

All: 3730.503+/-0.697 χ^2/NDF: 2149047.2/35

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 2780.382+/-4960.156 χ^2/NDF:0.0/0

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

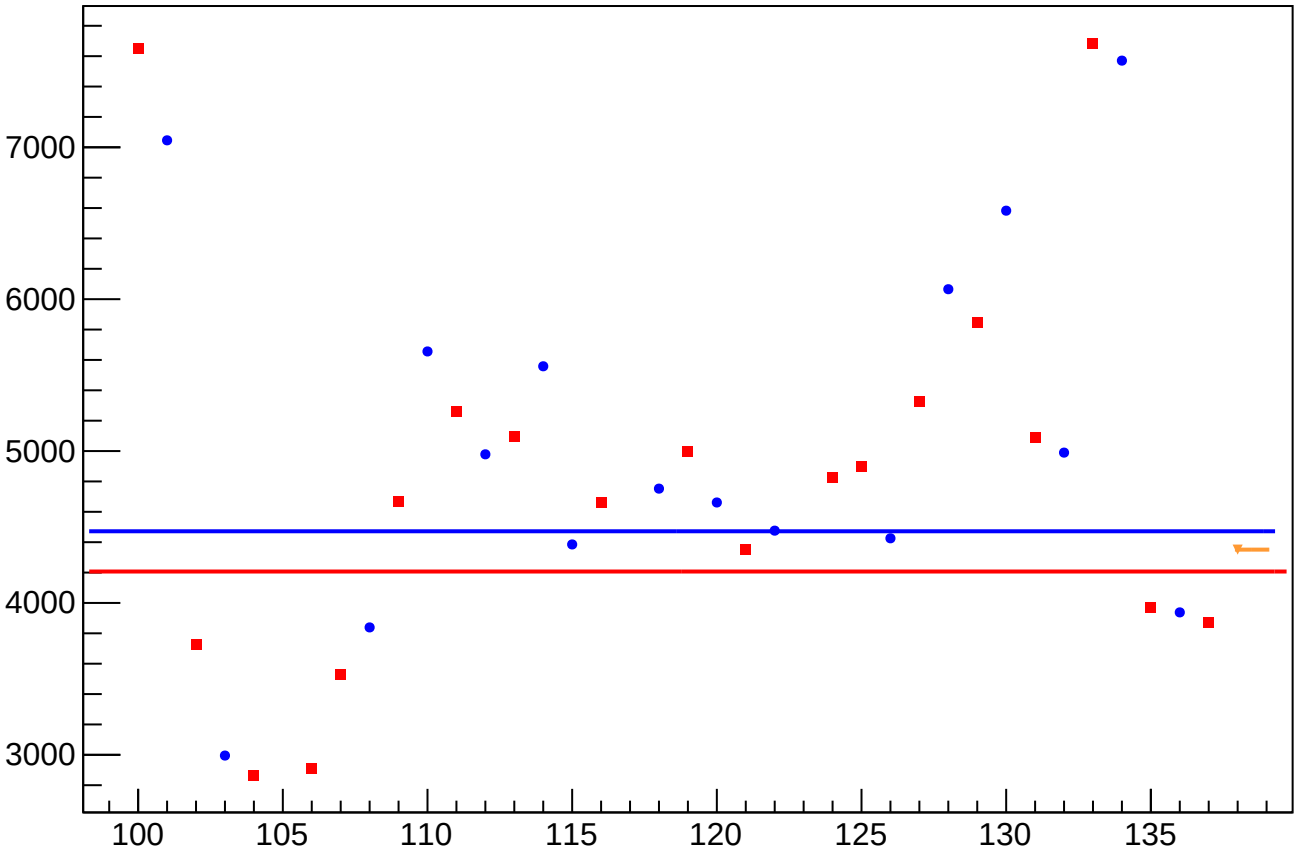
Left: 2780.382+/-4960.156 χ^2/NDF: 0.0/0

Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -2448.262+/-1719.694 χ^2/NDF:20.9/15

Out: 28.580+/-1542.159 χ^2/NDF:11.0/19

All: -1075.430+/-1148.123 χ^2/NDF: 33.1/35



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4351.053+/-3.507 χ^2/NDF:0.0/0

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

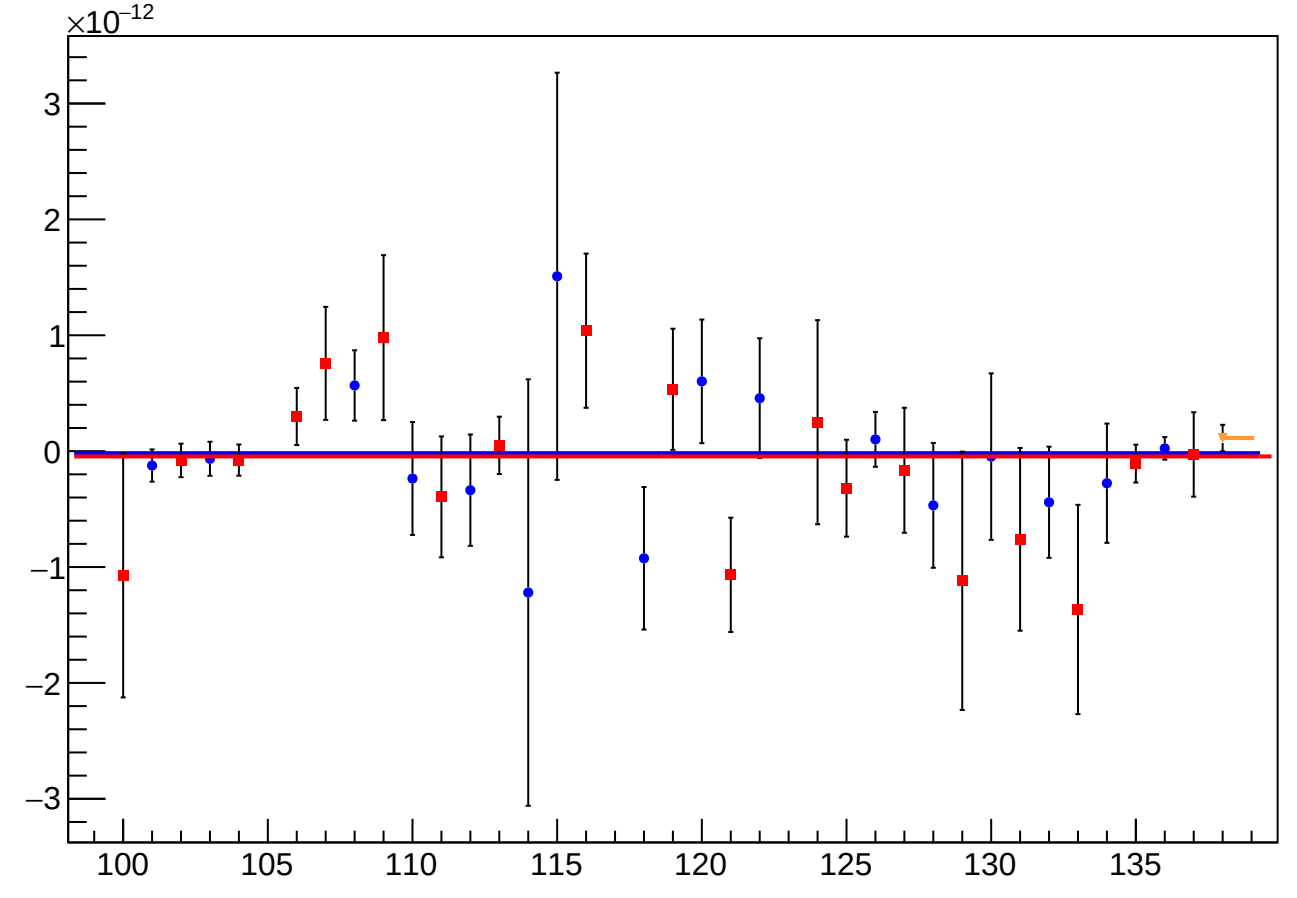
Left: 4351.053+/-3.507 χ^2/NDF: 0.0/0

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4471.904+/-1.216 χ^2/NDF:891678.4/15

Out: 4220.636+/-1.082 χ^2/NDF:848053.4/19

All: 4331.716+/-0.809 χ^2/NDF: 1763553.8/35



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

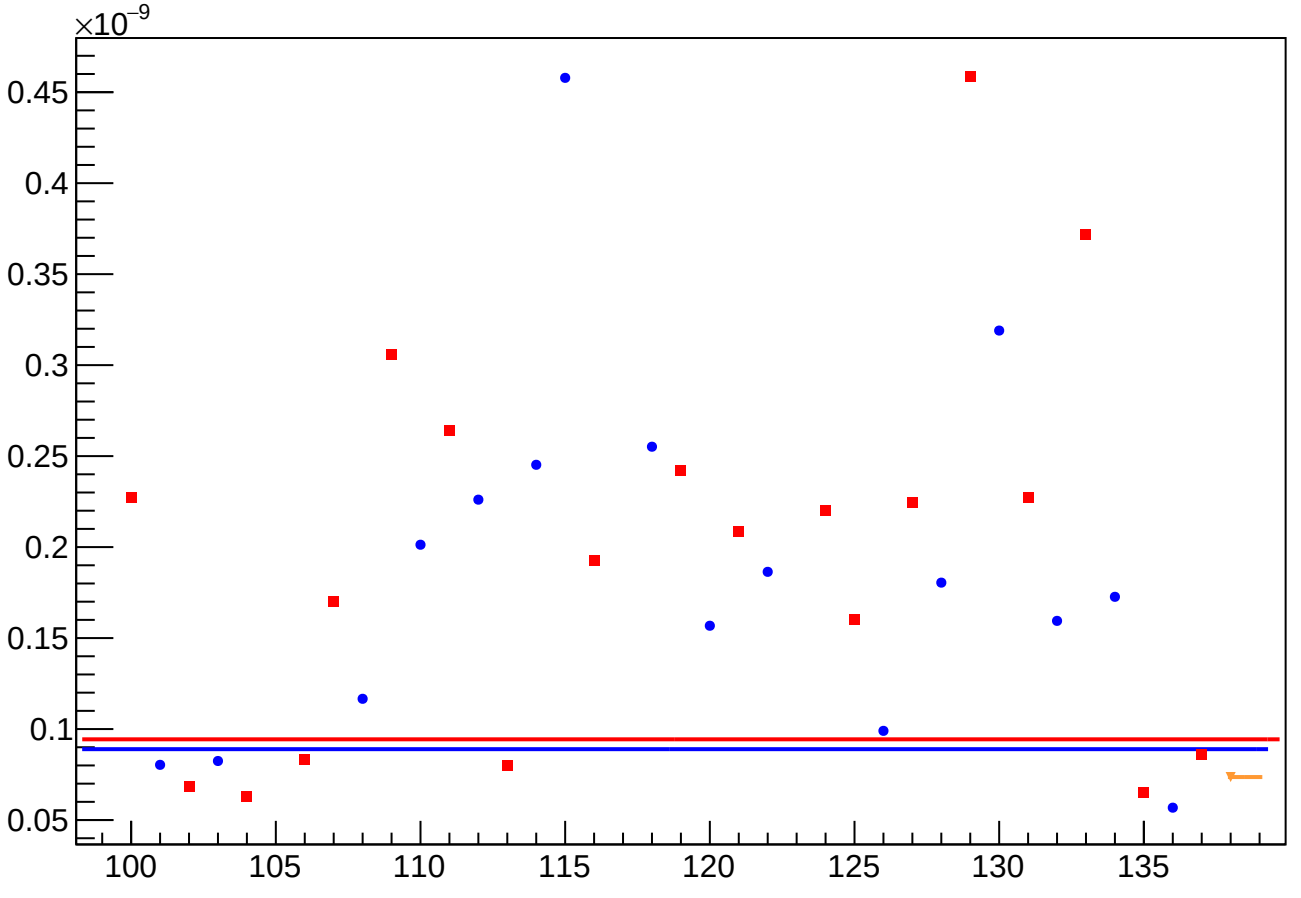
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:12.8/15

Out: -0.000+/-0.000 χ^2/NDF:22.6/19

All: -0.000+/-0.000 χ^2/NDF: 35.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

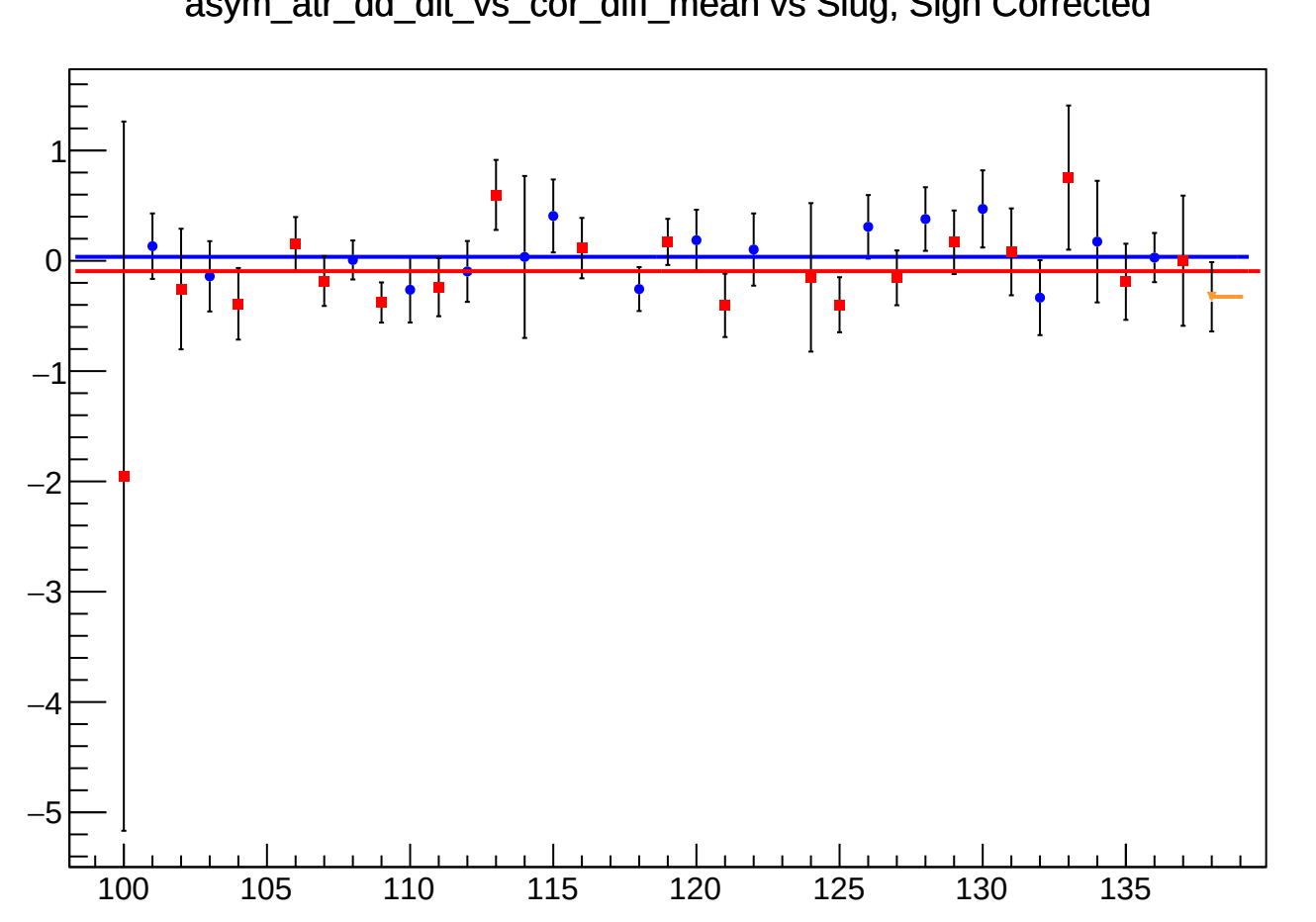
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:1230222.1/15

Out: 0.000+/-0.000 χ^2/NDF:1743762.0/19

All: 0.000+/-0.000 χ^2/NDF: 2973984.4/35



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.326+/-0.314 χ^2/NDF:0.0/0

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

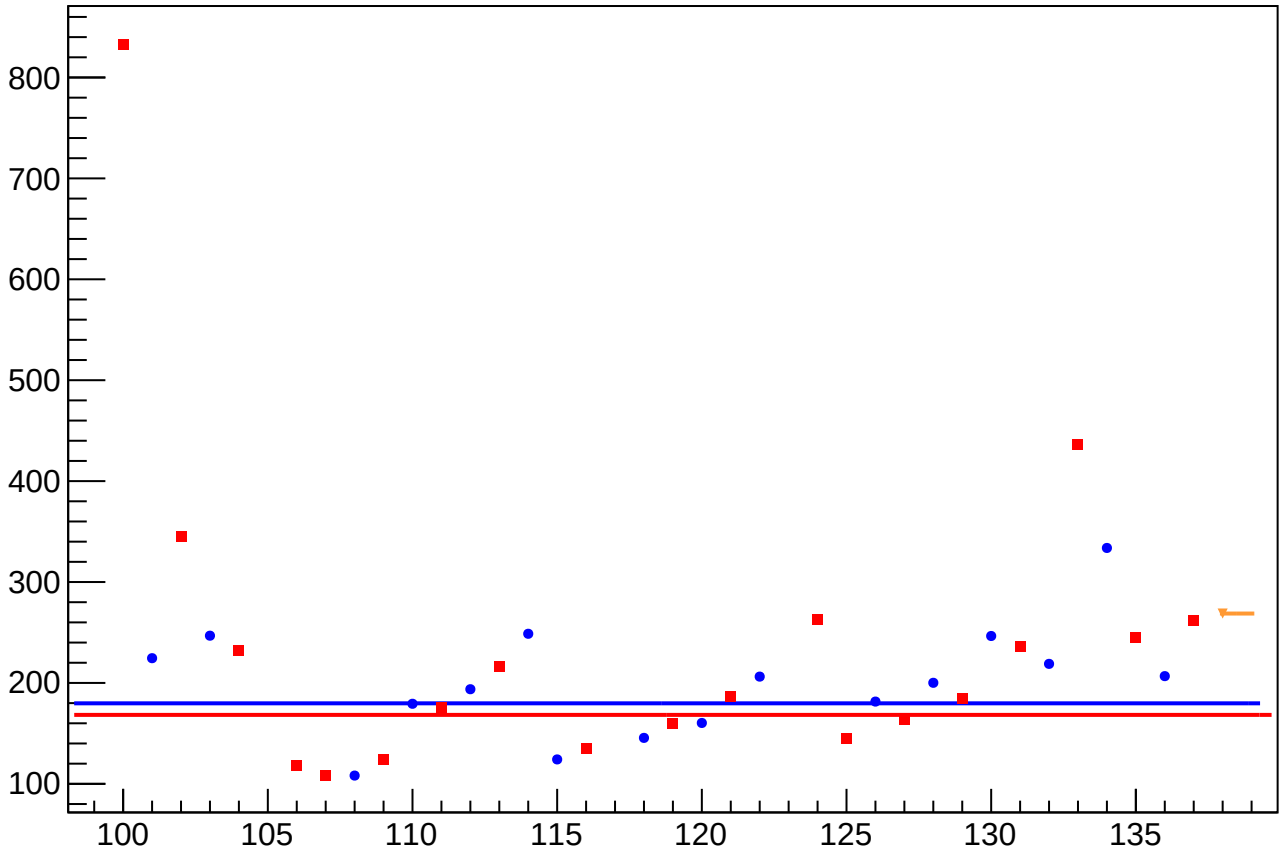
Left: -0.326+/-0.314 χ^2/NDF: 0.0/0

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.036+/-0.071 χ^2/NDF:10.5/15

Out: -0.105+/-0.066 χ^2/NDF:18.1/19

All: -0.039+/-0.048 χ^2/NDF: 30.8/35



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 268.763+/-0.222 χ^2/NDF:0.0/0

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

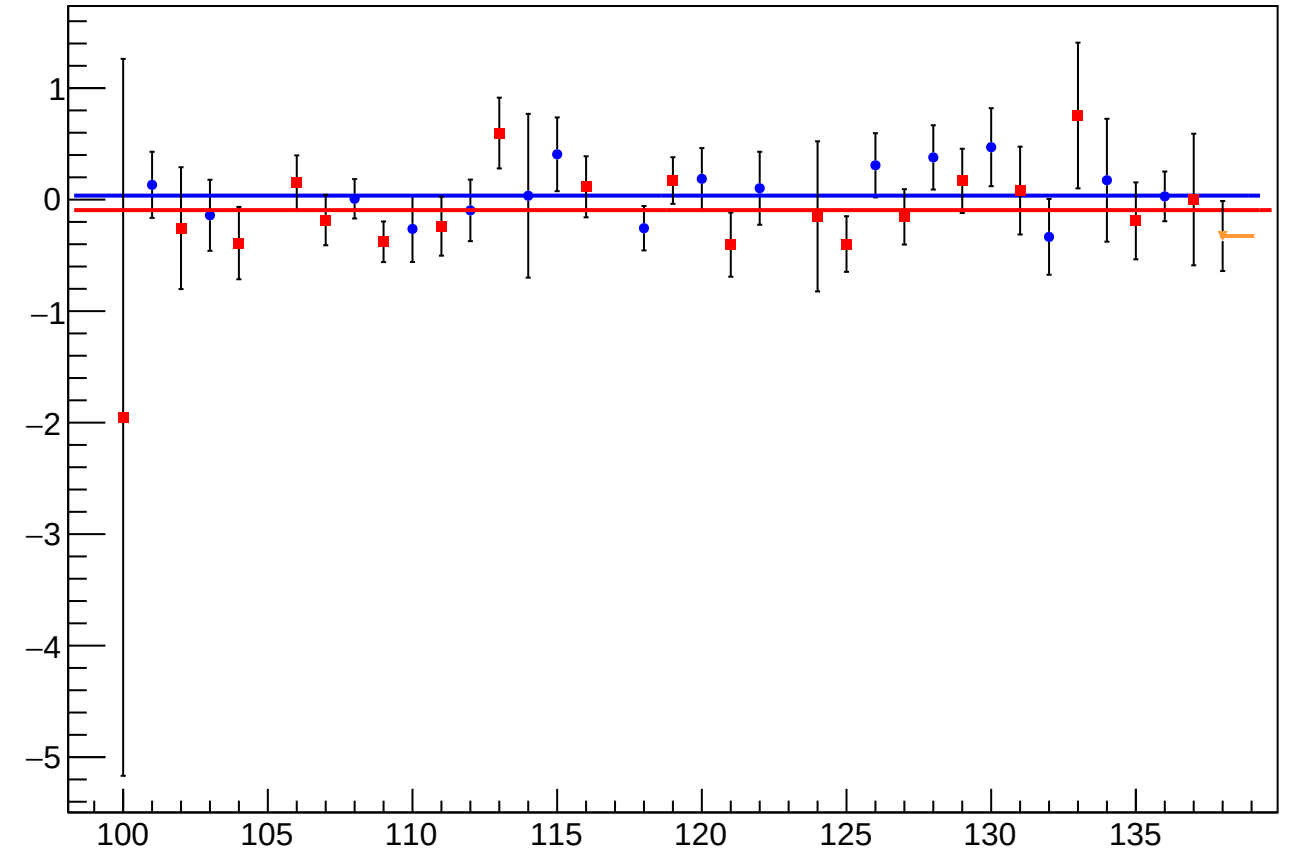
Left: 268.763+/-0.222 χ^2/NDF: 0.0/0

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 179.796+/-0.050 χ^2/NDF:918536.0/15

Out: 172.786+/-0.047 χ^2/NDF:1604806.0/19

All: 176.063+/-0.034 χ^2/NDF: 2533847.7/35



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.326+/-0.314 χ^2/NDF:0.0/0

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

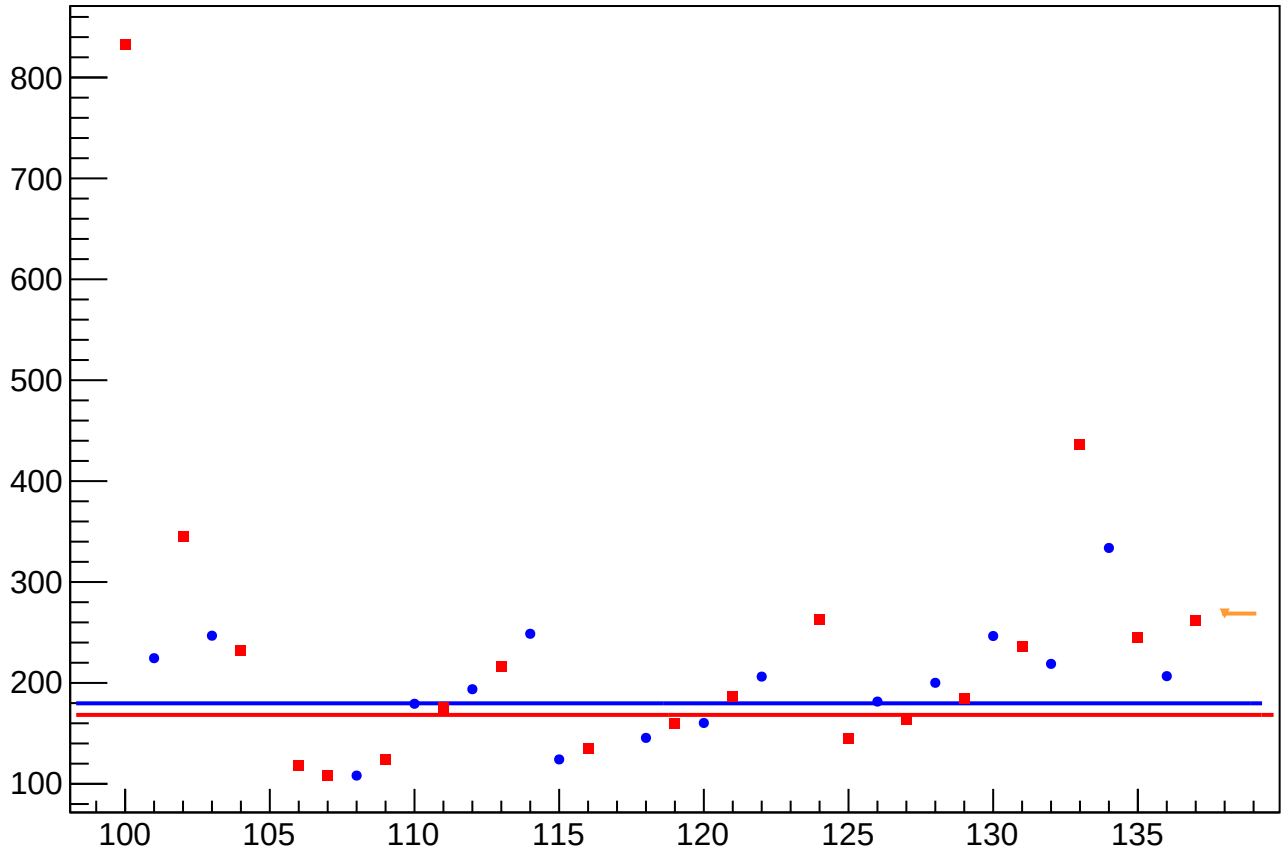
Left: -0.326+/-0.314 χ^2/NDF: 0.0/0

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.036+/-0.071 χ^2/NDF:10.5/15

Out: -0.105+/-0.066 χ^2/NDF:18.1/19

All: -0.039+/-0.048 χ^2/NDF: 30.8/35



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 268.763+/-0.222 χ^2/NDF:0.0/0

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

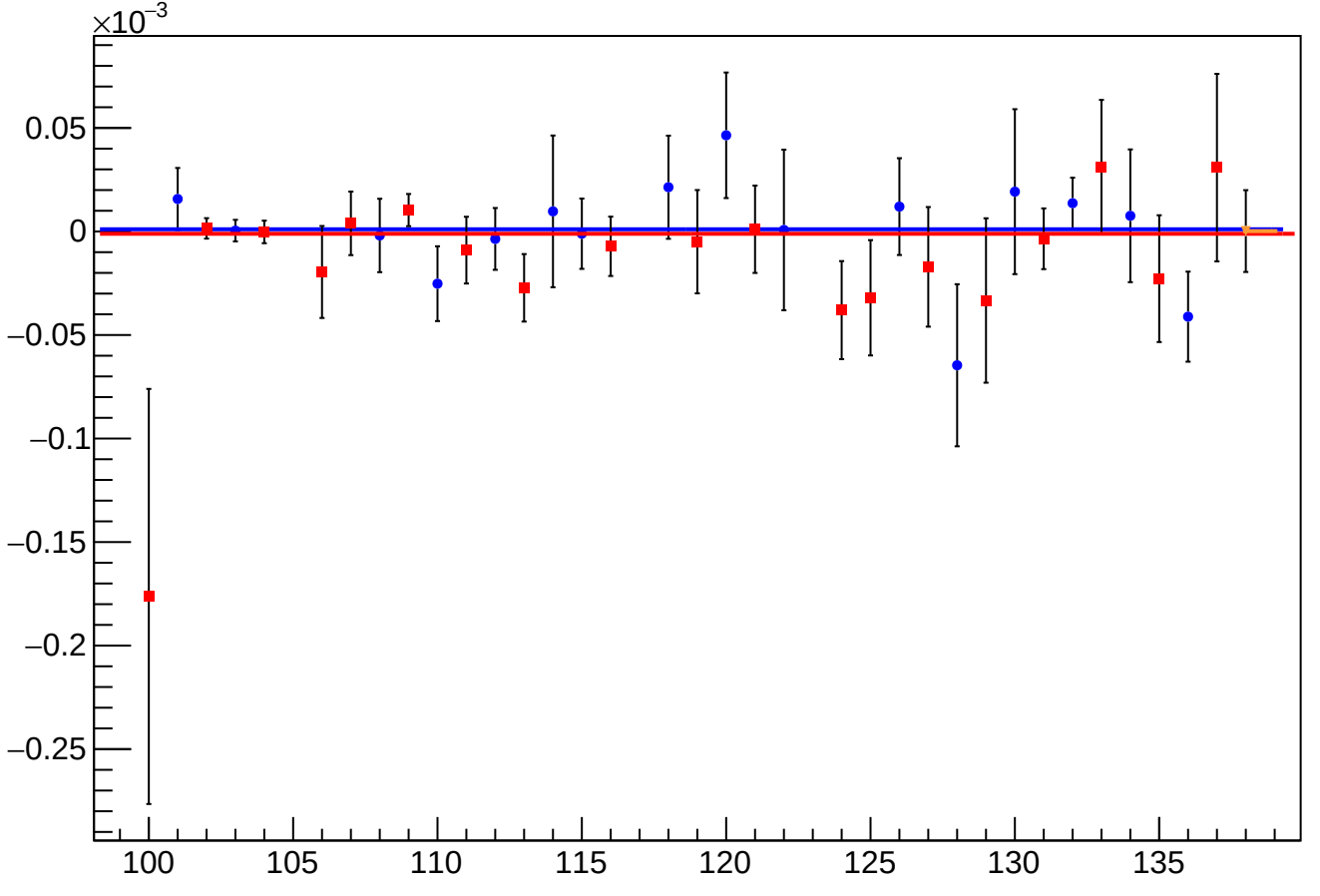
Left: 268.763+/-0.222 χ^2/NDF: 0.0/0

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 179.796+/-0.050 χ^2/NDF:918536.0/15

Out: 172.786+/-0.047 χ^2/NDF:1604806.0/19

All: 176.063+/-0.034 χ^2/NDF: 2533847.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

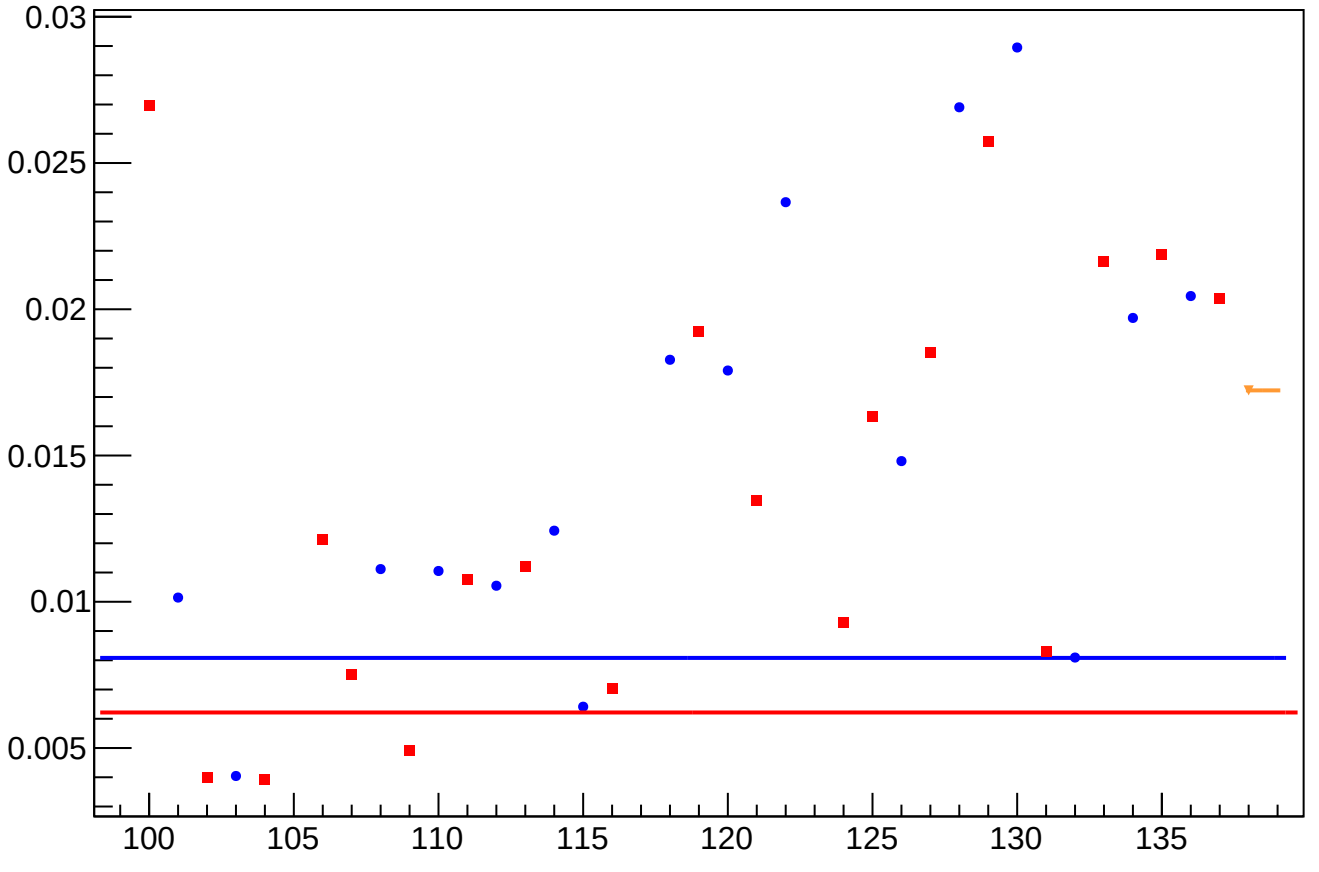
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:14.3/15

Out: -0.000+/-0.000 χ^2/NDF:16.0/19

All: -0.000+/-0.000 χ^2/NDF: 30.5/35



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.017+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

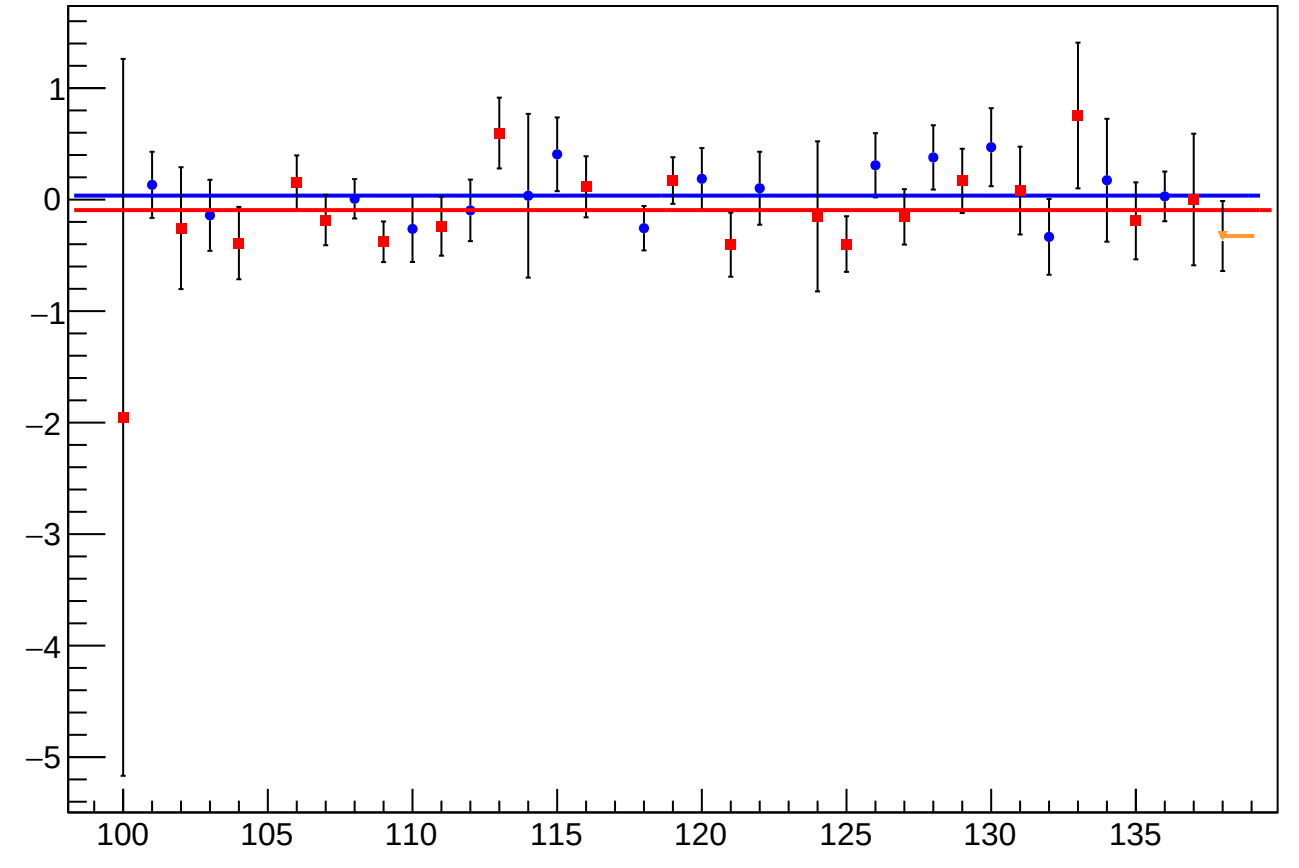
Left: 0.017+/-0.000 χ^2/NDF: 0.0/0

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.008+/-0.000 χ^2/NDF:4413462.8/15

Out: 0.006+/-0.000 χ^2/NDF:5169908.8/19

All: 0.007+/-0.000 χ^2/NDF: 9834884.8/35



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.326+/-0.314 χ^2/NDF:0.0/0

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

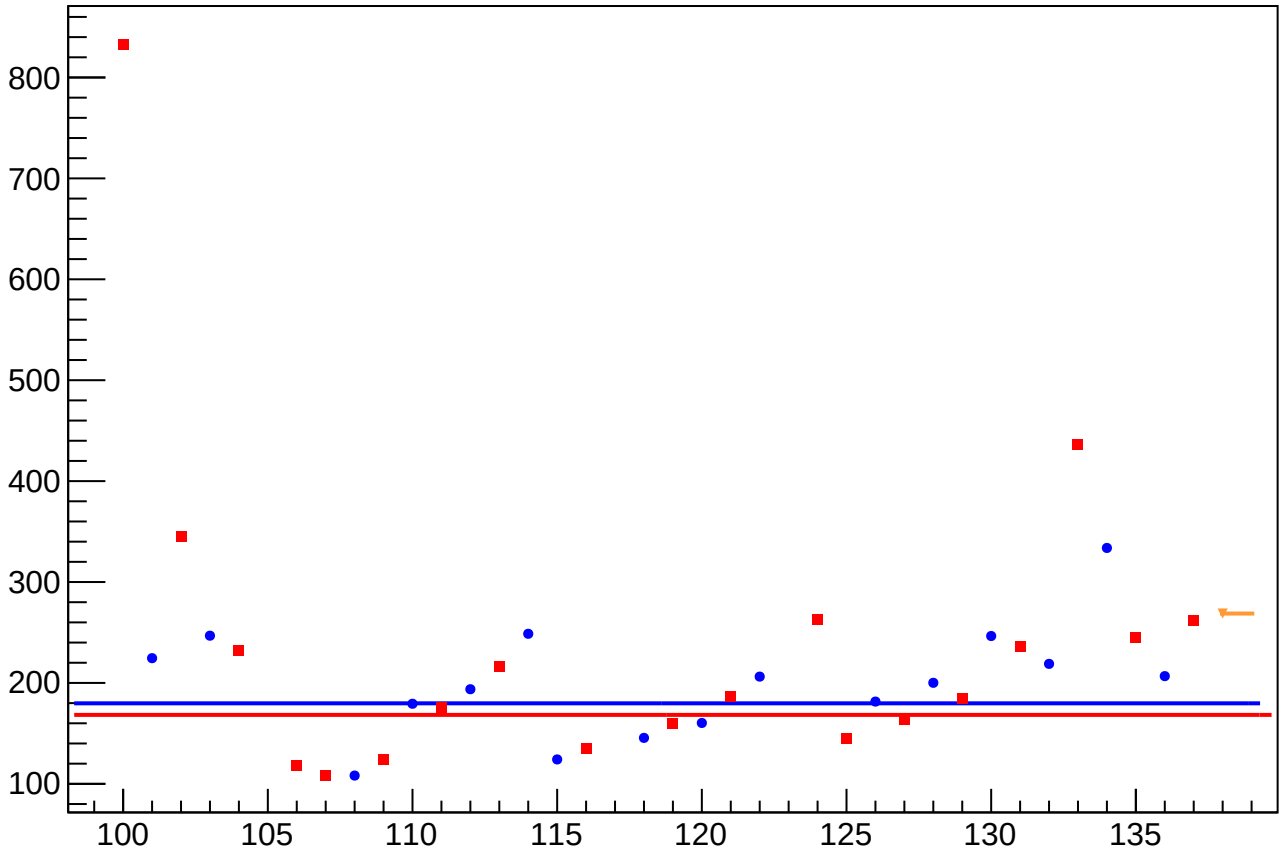
Left: -0.326+/-0.314 χ^2/NDF: 0.0/0

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.036+/-0.071 χ^2/NDF:10.5/15

Out: -0.105+/-0.066 χ^2/NDF:18.1/19

All: -0.039+/-0.048 χ^2/NDF: 30.8/35



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 268.768+/-0.222 χ^2/NDF:0.0/0

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

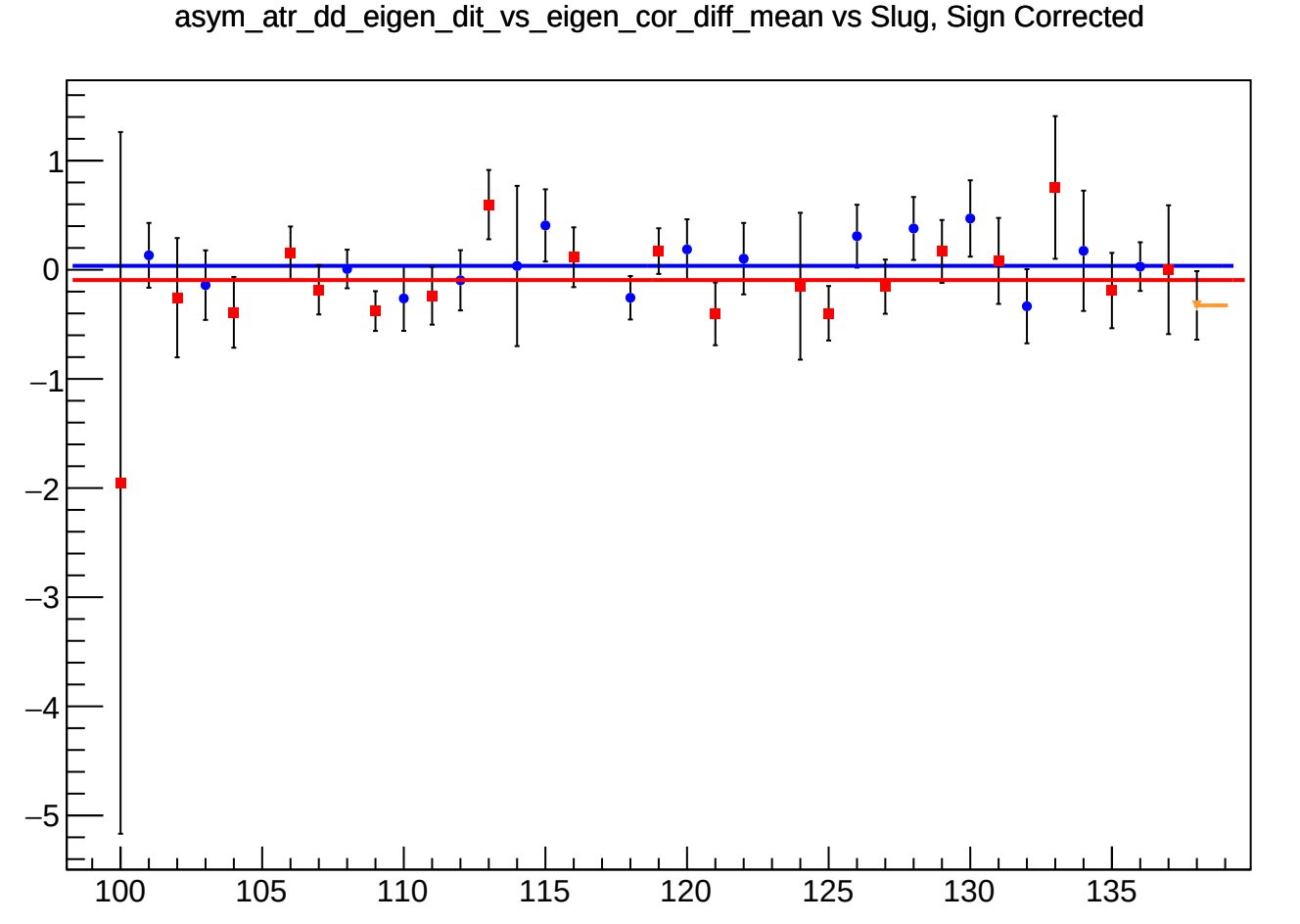
Left: 268.768+/-0.222 χ^2/NDF: 0.0/0

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 179.793+/-0.050 χ^2/NDF:918583.7/15

Out: 172.786+/-0.047 χ^2/NDF:1604818.2/19

All: 176.061+/-0.034 χ^2/NDF: 2533900.2/35



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.326+/-0.314 χ^2/NDF:0.0/0

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

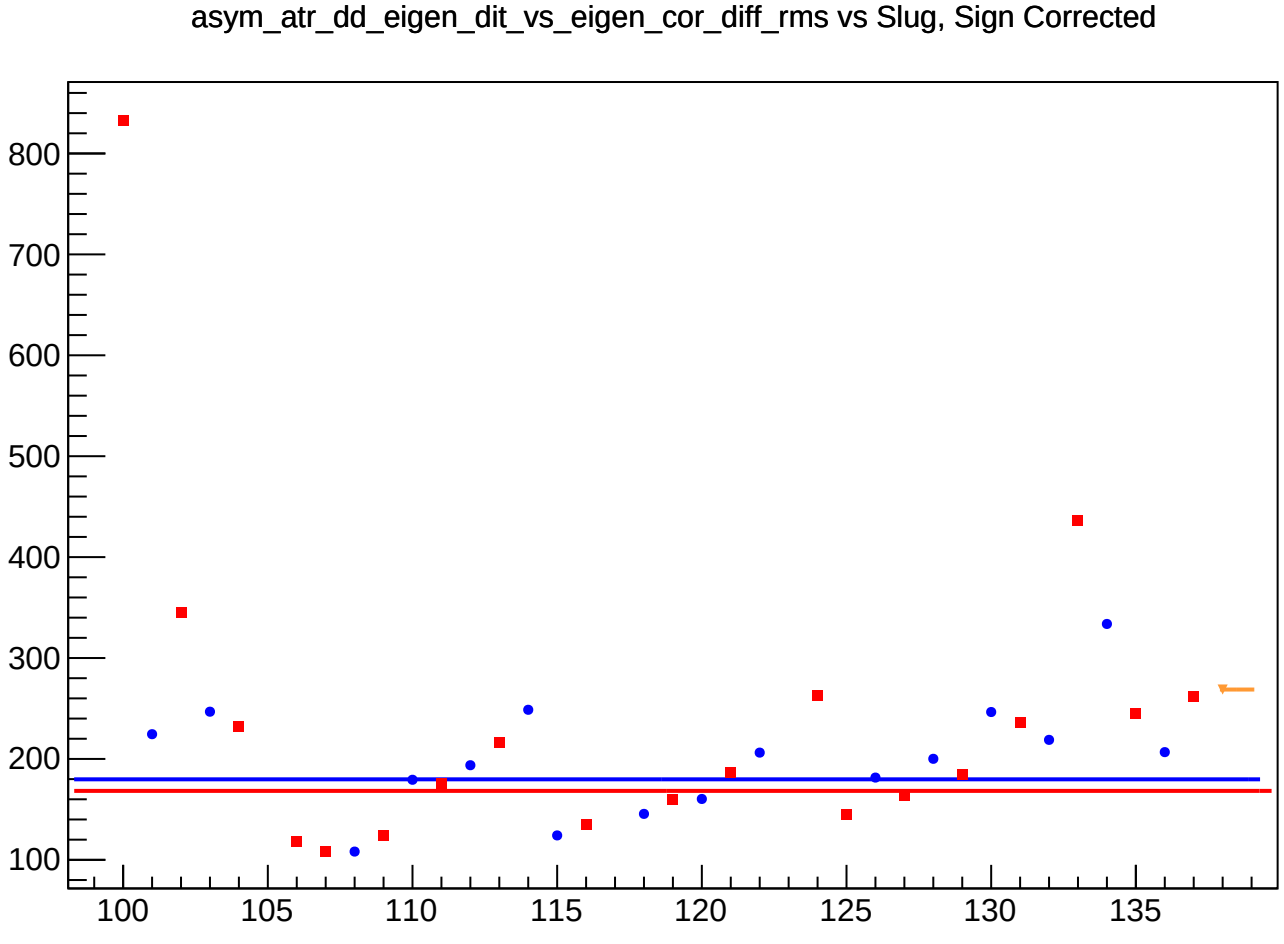
Left: -0.326+/-0.314 χ^2/NDF: 0.0/0

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.036+/-0.071 χ^2/NDF:10.5/15

Out: -0.105+/-0.066 χ^2/NDF:18.1/19

All: -0.039+/-0.048 χ^2/NDF: 30.8/35



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 268.768+/-0.222 χ^2/NDF:0.0/0

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

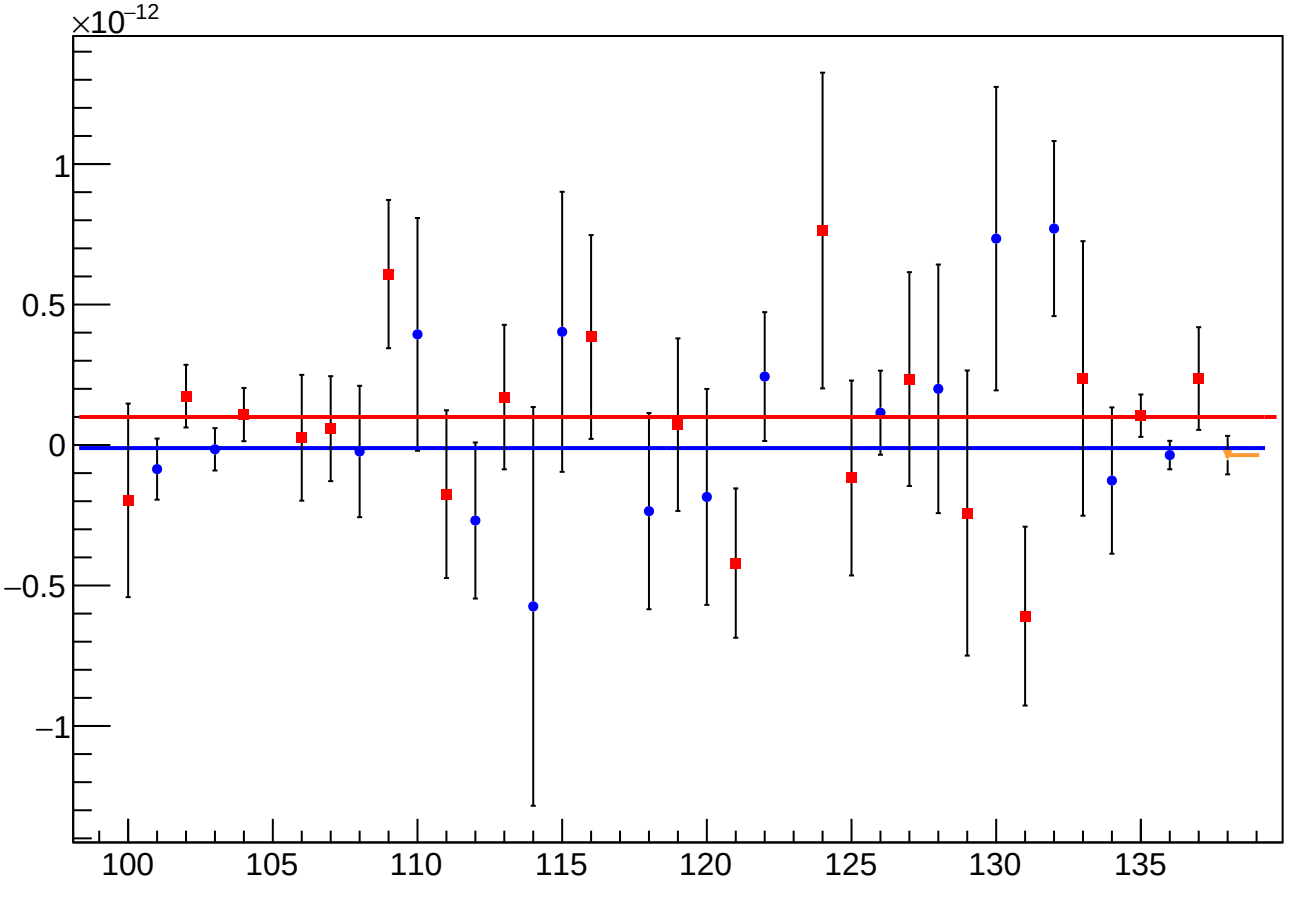
Left: 268.768+/-0.222 χ^2/NDF: 0.0/0

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 179.793+/-0.050 χ^2/NDF:918583.7/15

Out: 172.786+/-0.047 χ^2/NDF:1604818.2/19

All: 176.061+/-0.034 χ^2/NDF: 2533900.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

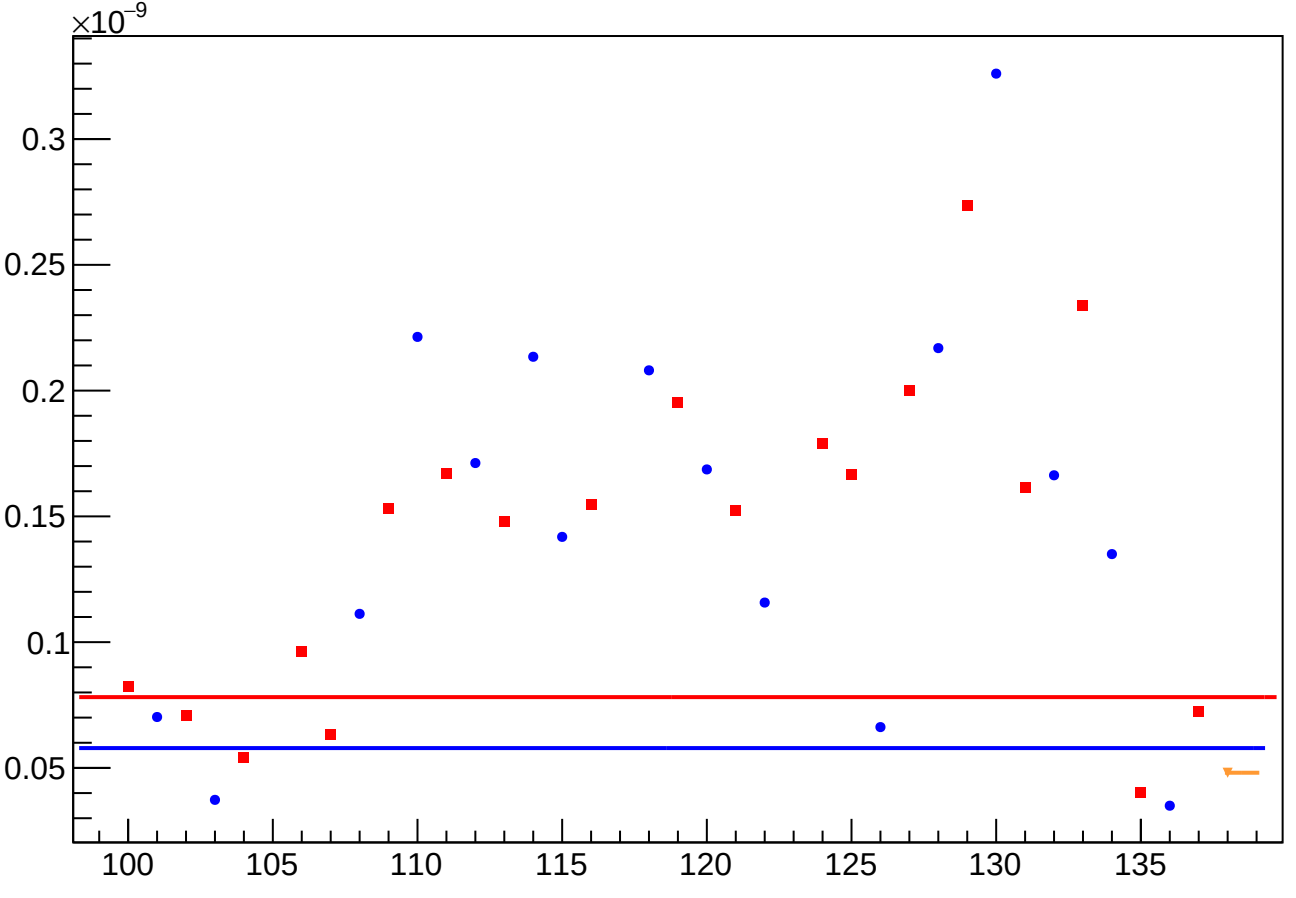
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:15.0/15

Out: 0.000+/-0.000 χ^2/NDF:21.3/19

All: 0.000+/-0.000 χ^2/NDF: 38.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

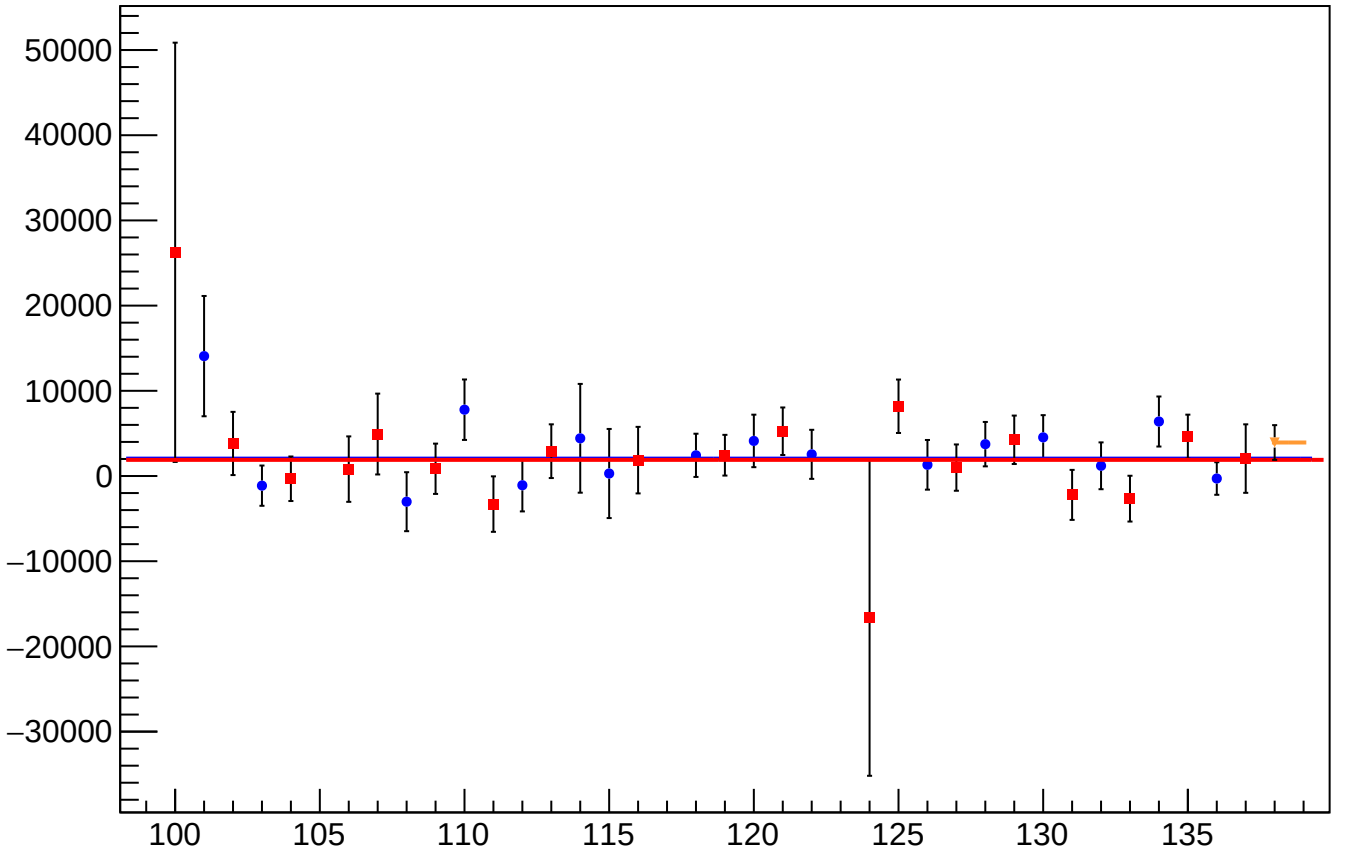
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:3322992.5/15

Out: 0.000+/-0.000 χ^2/NDF:3011893.8/19

All: 0.000+/-0.000 χ^2/NDF: 6448822.8/35



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 3932.972+/-2038.300 χ^2/NDF:0.0/0

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3932.972+/-2038.300 χ^2/NDF: 0.0/0

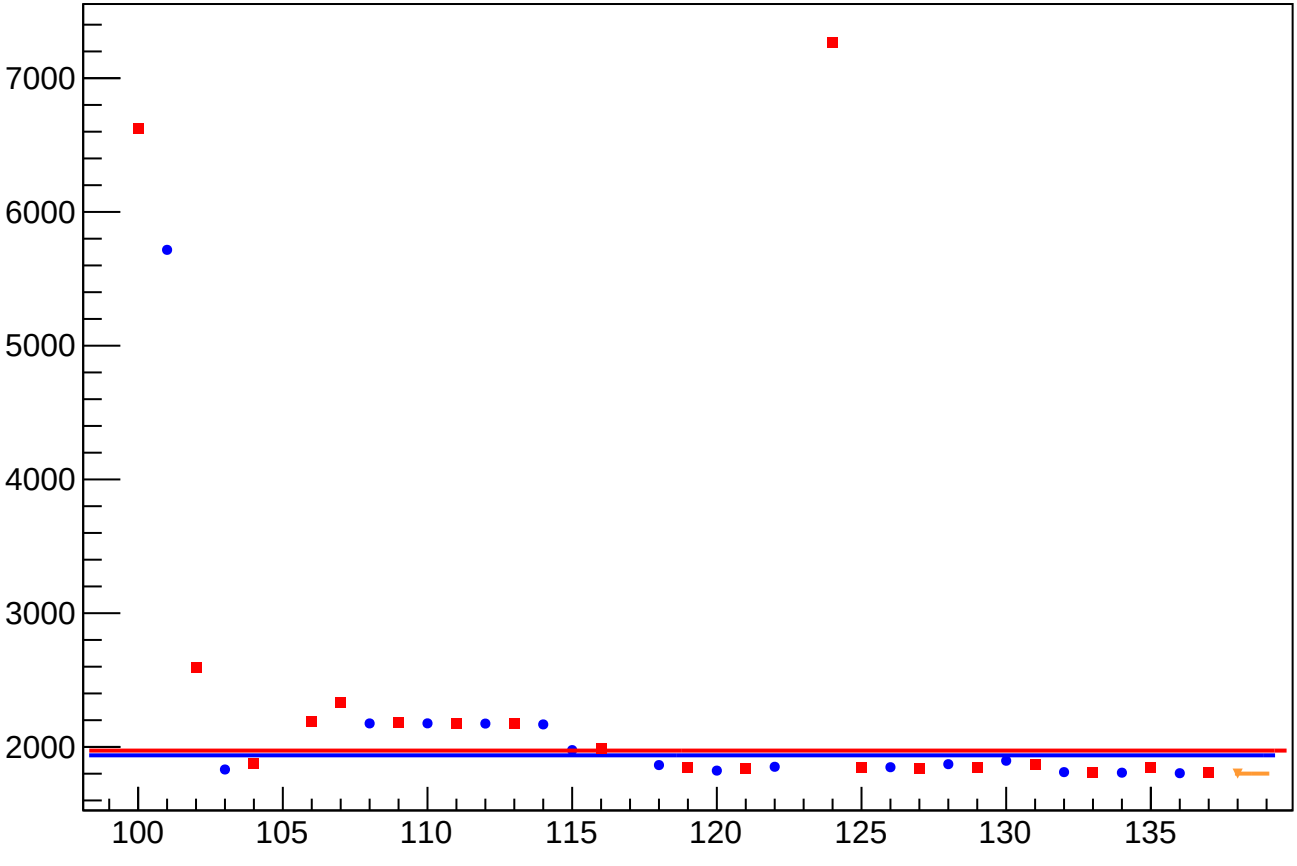
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2039.211+/-736.211 χ^2/NDF:16.4/15

Out: 2130.712+/-692.887 χ^2/NDF:19.4/19

All: 2087.733+/-504.566 χ^2/NDF: 35.8/35

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1800.638+/-1.441 χ^2/NDF:0.0/0

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

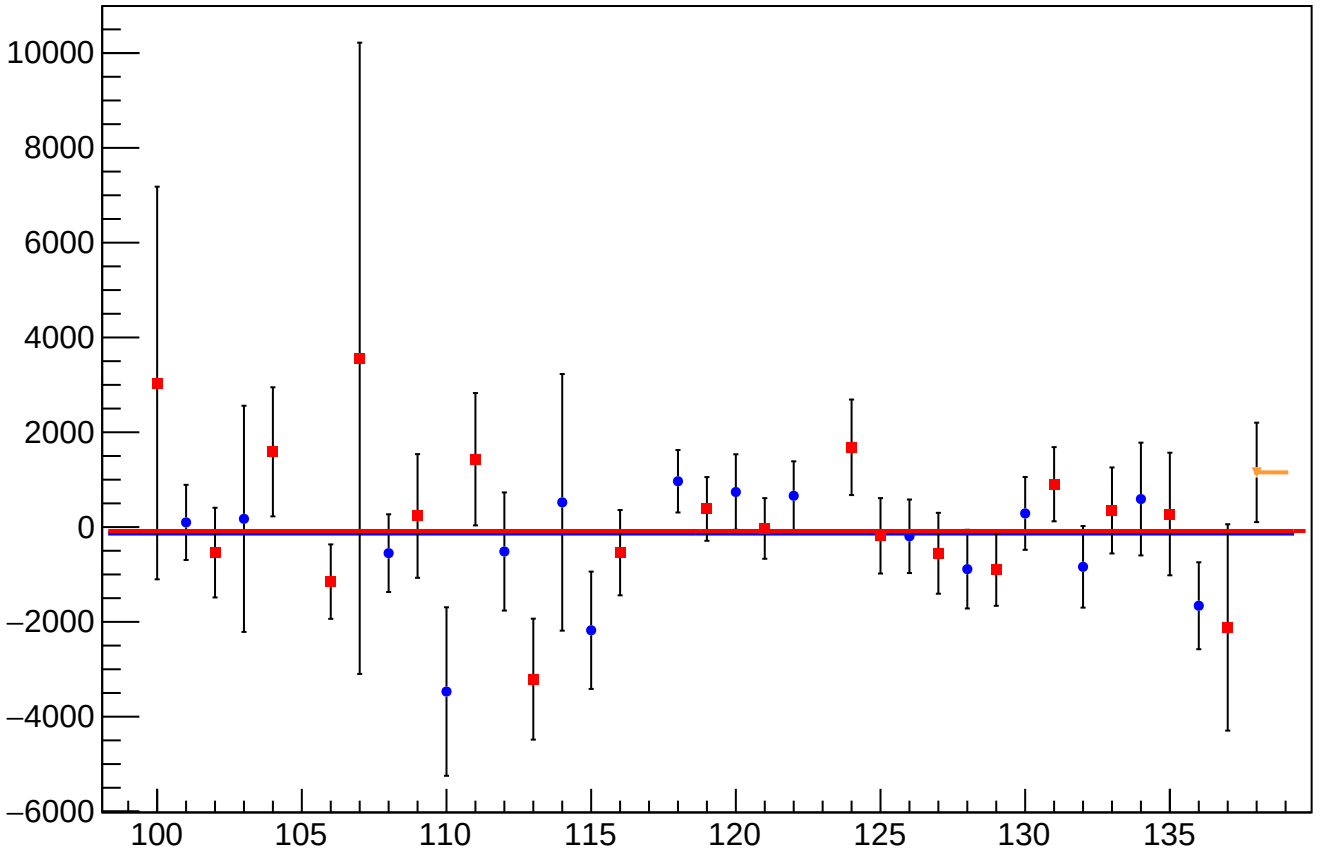
Left: 1800.638+/-1.441 χ^2/NDF: 0.0/0

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1937.251+/-0.521 χ^2/NDF:638092.5/15

Out: 1952.870+/-0.490 χ^2/NDF:390150.7/19

All: 1945.534+/-0.357 χ^2/NDF: 1028720.6/35



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: 1153.785+/-1049.048 χ^2/NDF:0.0/0

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

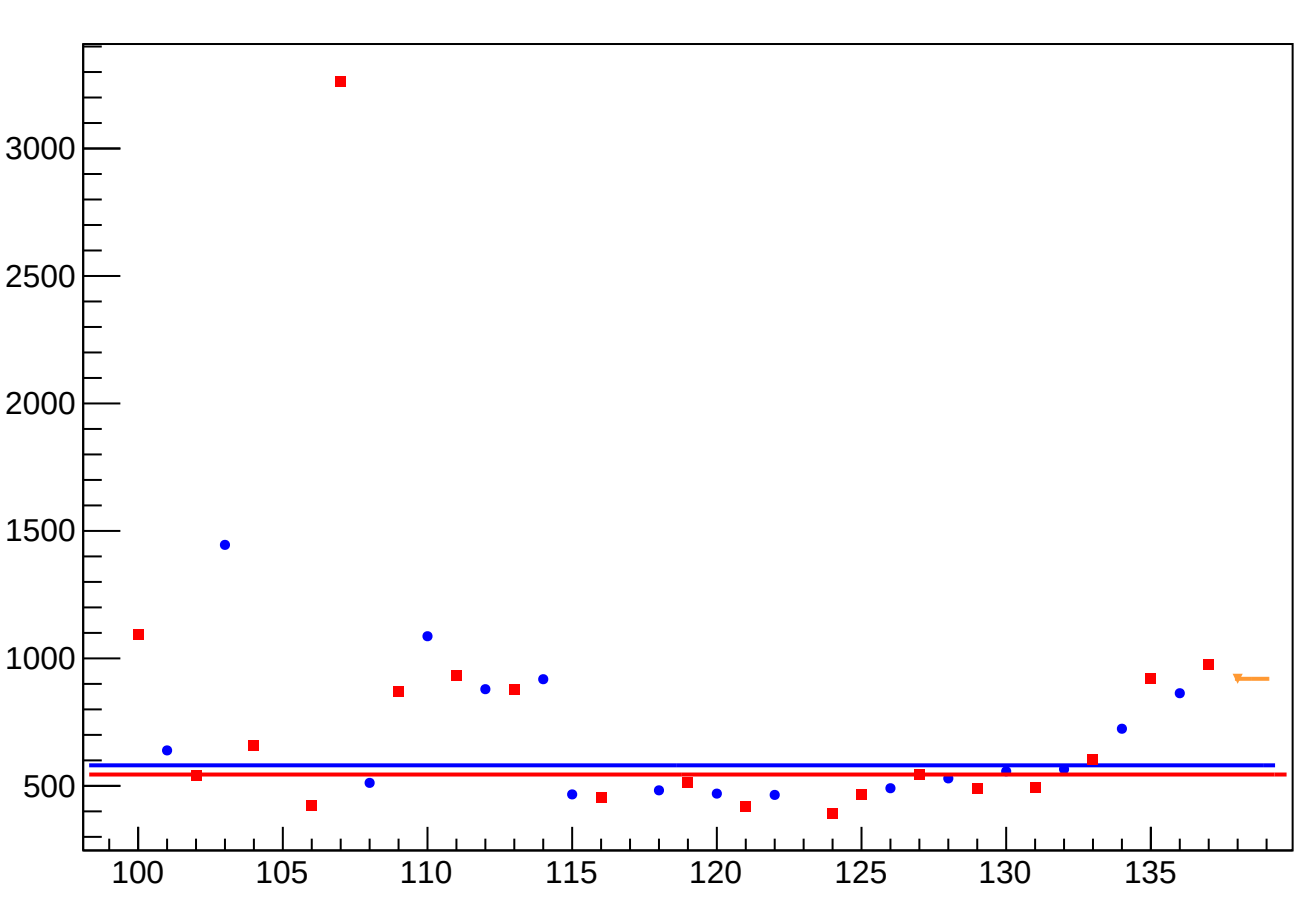
Left: 1153.785+/-1049.048 χ^2/NDF: 0.0/0

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -136.643+/-230.431 χ^2/NDF:16.9/15

Out: -29.305+/-217.207 χ^2/NDF:21.1/19

All: -79.806+/-158.057 χ^2/NDF: 38.1/35



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 919.983+/-0.742 χ^2/NDF:0.0/0

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

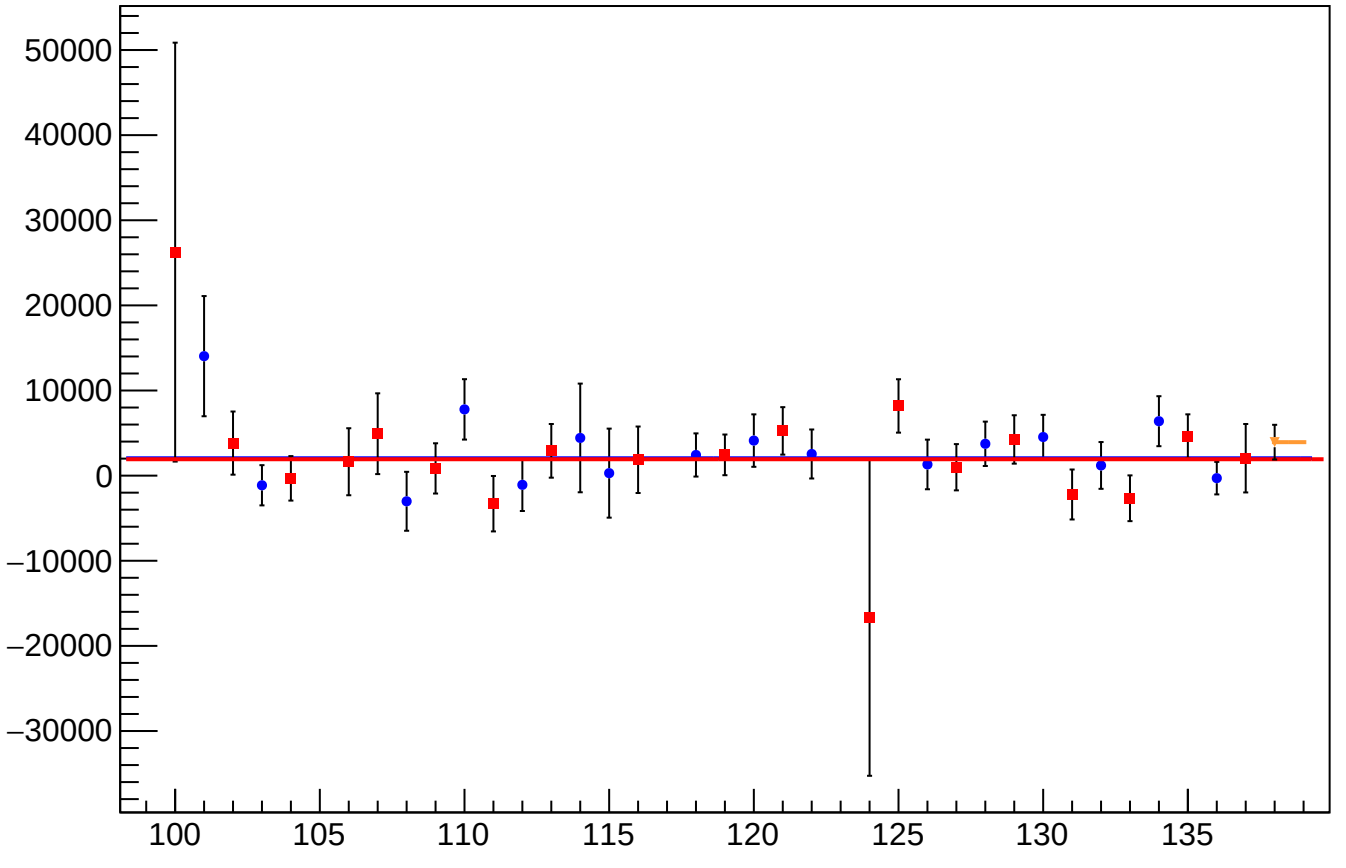
Left: 919.983+/-0.742 χ^2/NDF: 0.0/0

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 580.611+/-0.163 χ^2/NDF:1003410.8/15

Out: 560.626+/-0.154 χ^2/NDF:1532843.4/19

All: 570.029+/-0.112 χ^2/NDF: 2544219.7/35



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 3932.986+/-2038.301 χ^2/NDF:0.0/0

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3932.986+/-2038.301 χ^2/NDF: 0.0/0

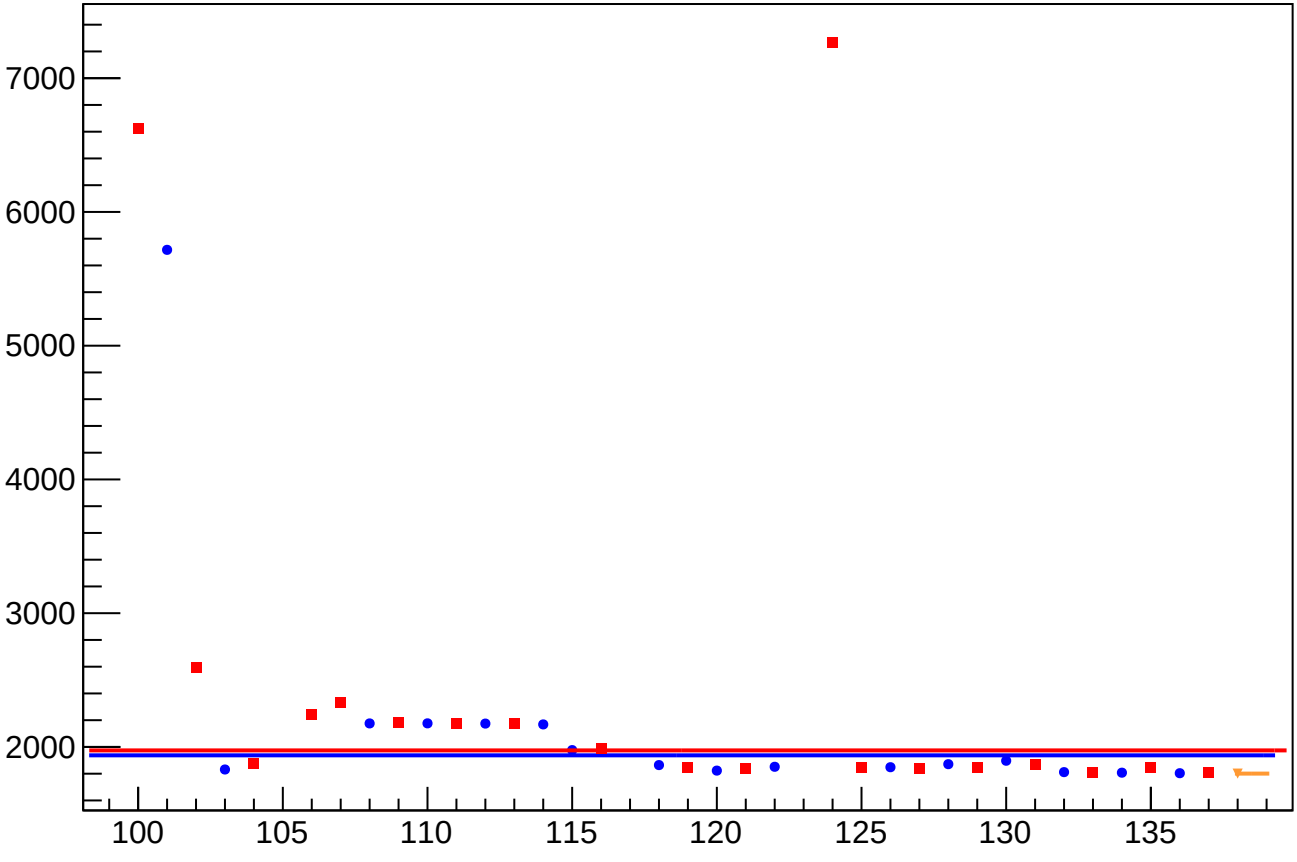
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2038.842+/-736.211 χ^2/NDF:16.4/15

Out: 2158.512+/-693.427 χ^2/NDF:19.3/19

All: 2102.255+/-504.775 χ^2/NDF: 35.7/35

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1800.638+/-1.441 χ^2/NDF:0.0/0

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

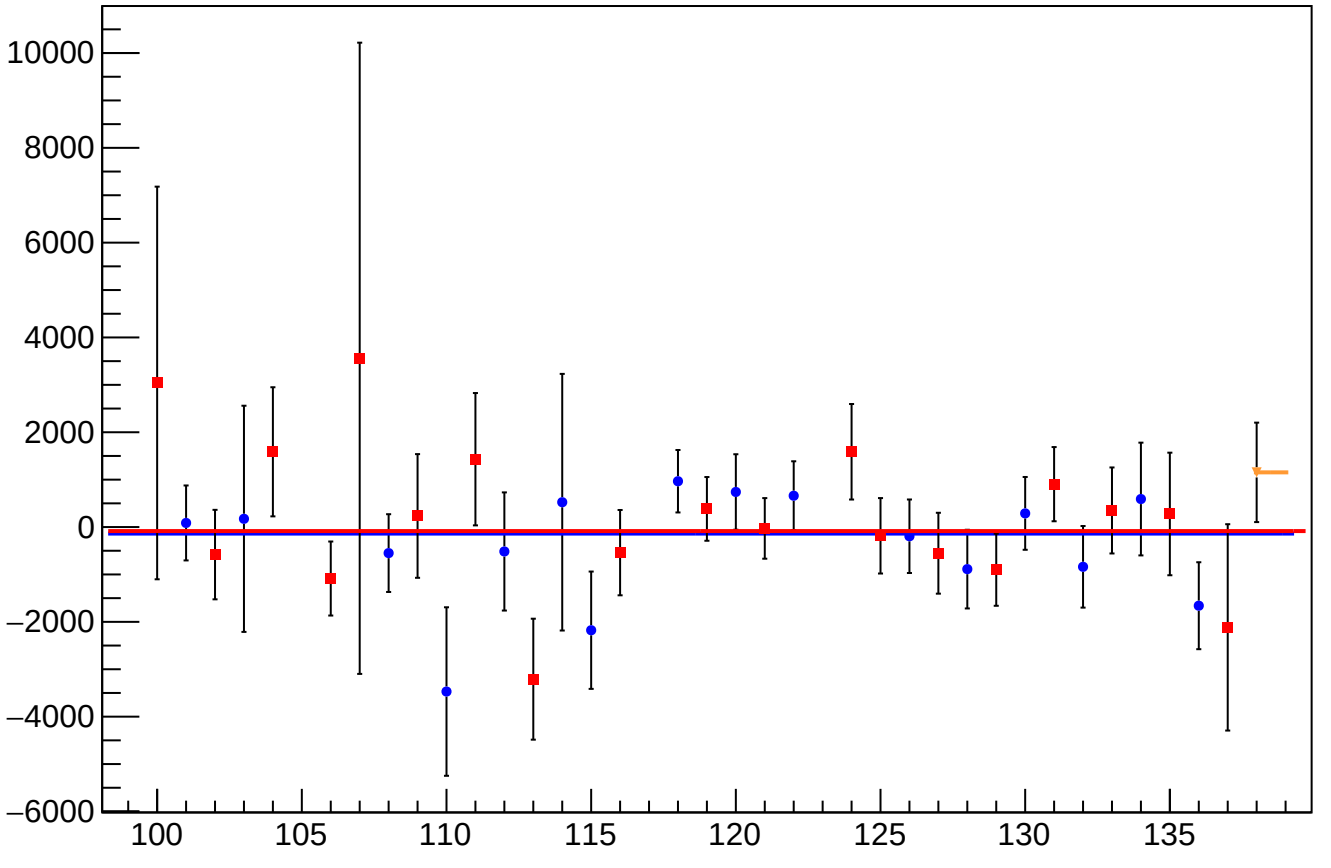
Left: 1800.638+/-1.441 χ^2/NDF: 0.0/0

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1937.251+/-0.521 χ^2/NDF:638092.5/15

Out: 1954.073+/-0.490 χ^2/NDF:393246.9/19

All: 1946.165+/-0.357 χ^2/NDF: 1031892.8/35



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 1153.743+/-1049.050 χ^2/NDF:0.0/0

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

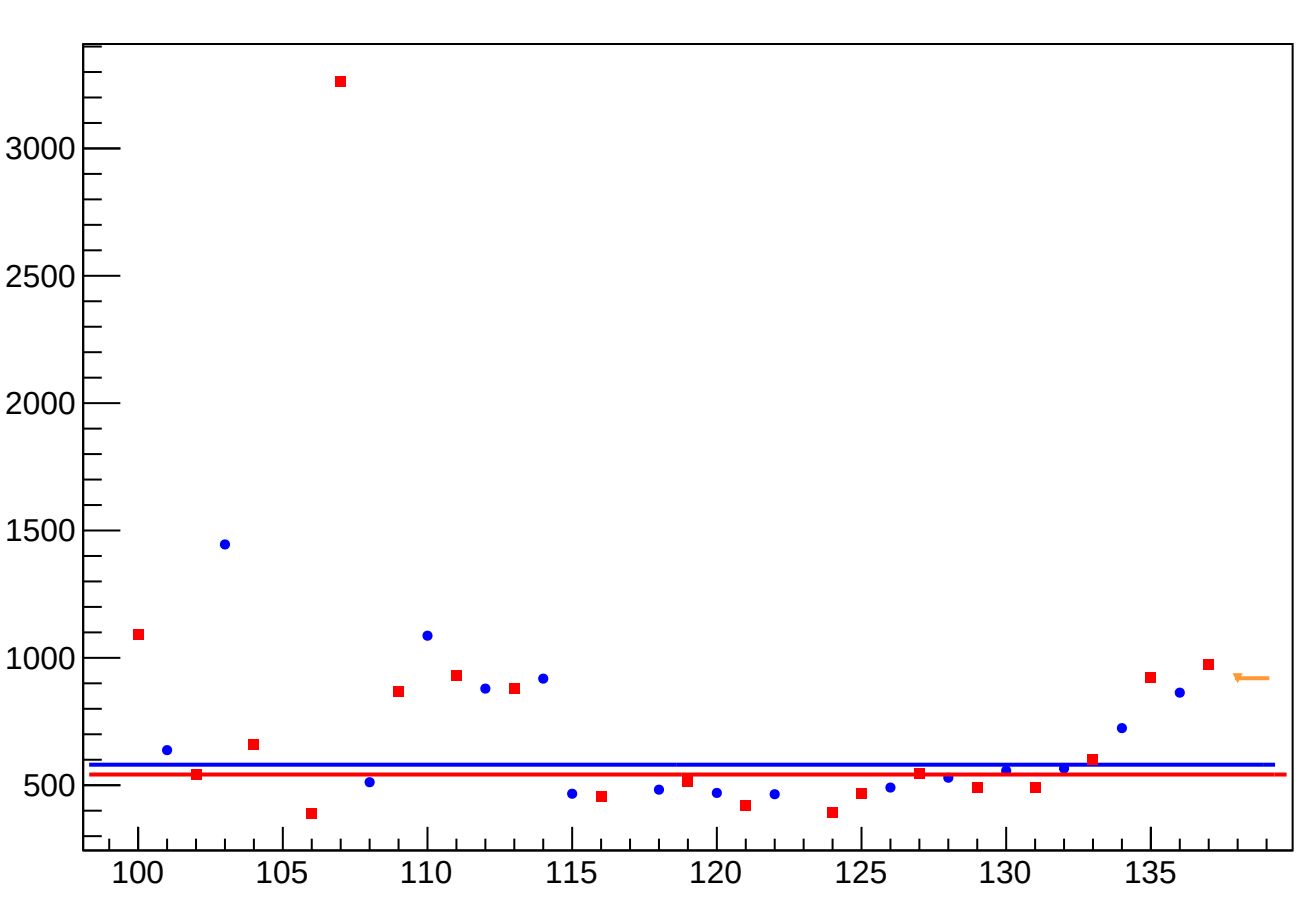
Left: 1153.743+/-1049.050 χ^2/NDF: 0.0/0

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -137.491+/-230.382 χ^2/NDF:16.9/15

Out: -31.907+/-217.078 χ^2/NDF:20.6/19

All: -81.563+/-157.991 χ^2/NDF: 37.6/35



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 919.985+/-0.742 χ^2/NDF:0.0/0

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

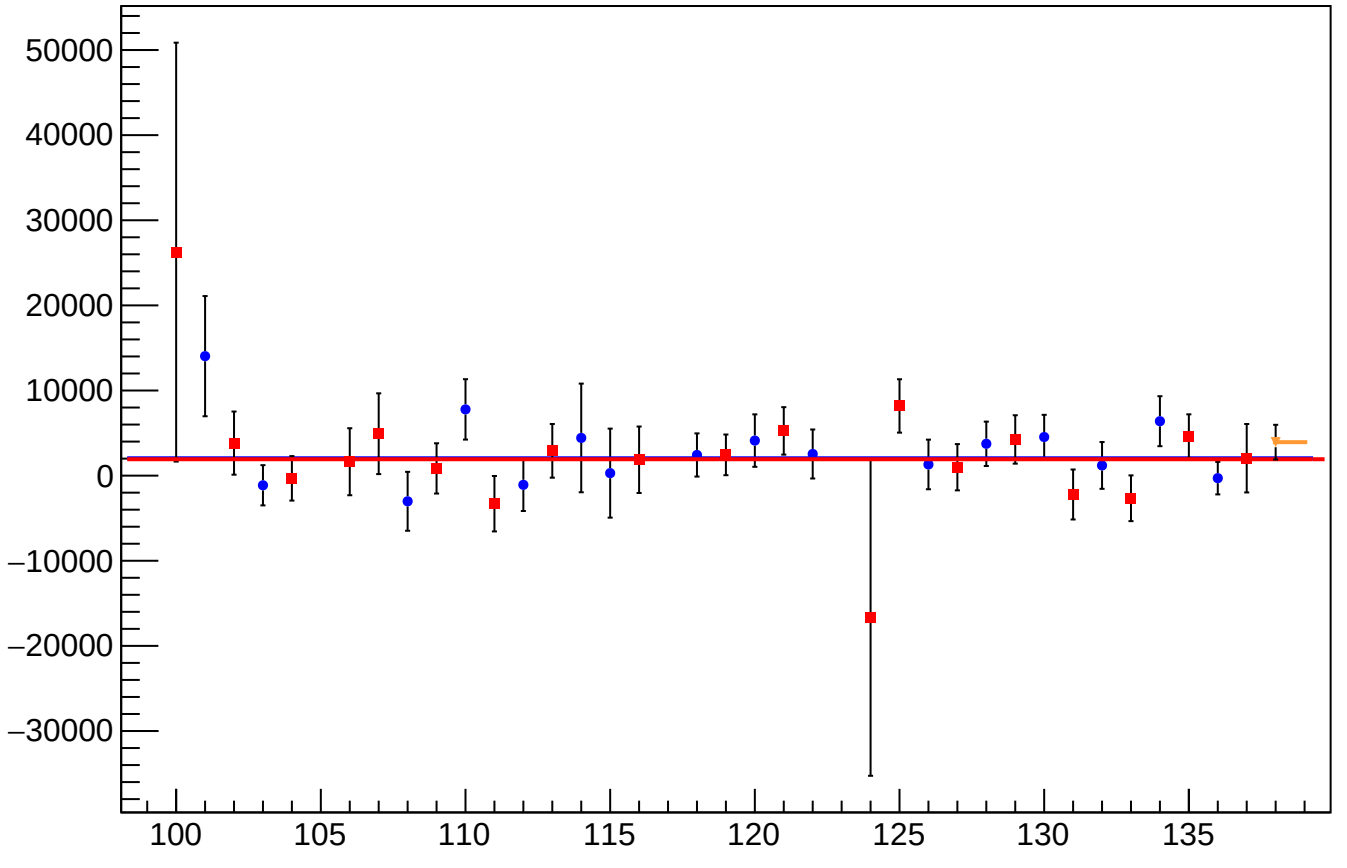
Left: 919.985+/-0.742 χ^2/NDF: 0.0/0

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 580.519+/-0.163 χ^2/NDF:1002900.5/15

Out: 558.126+/-0.153 χ^2/NDF:1567461.8/19

All: 568.657+/-0.112 χ^2/NDF: 2580370.7/35



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 3932.986+/-2038.301 χ^2/NDF:0.0/0

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3932.986+/-2038.301 χ^2/NDF: 0.0/0

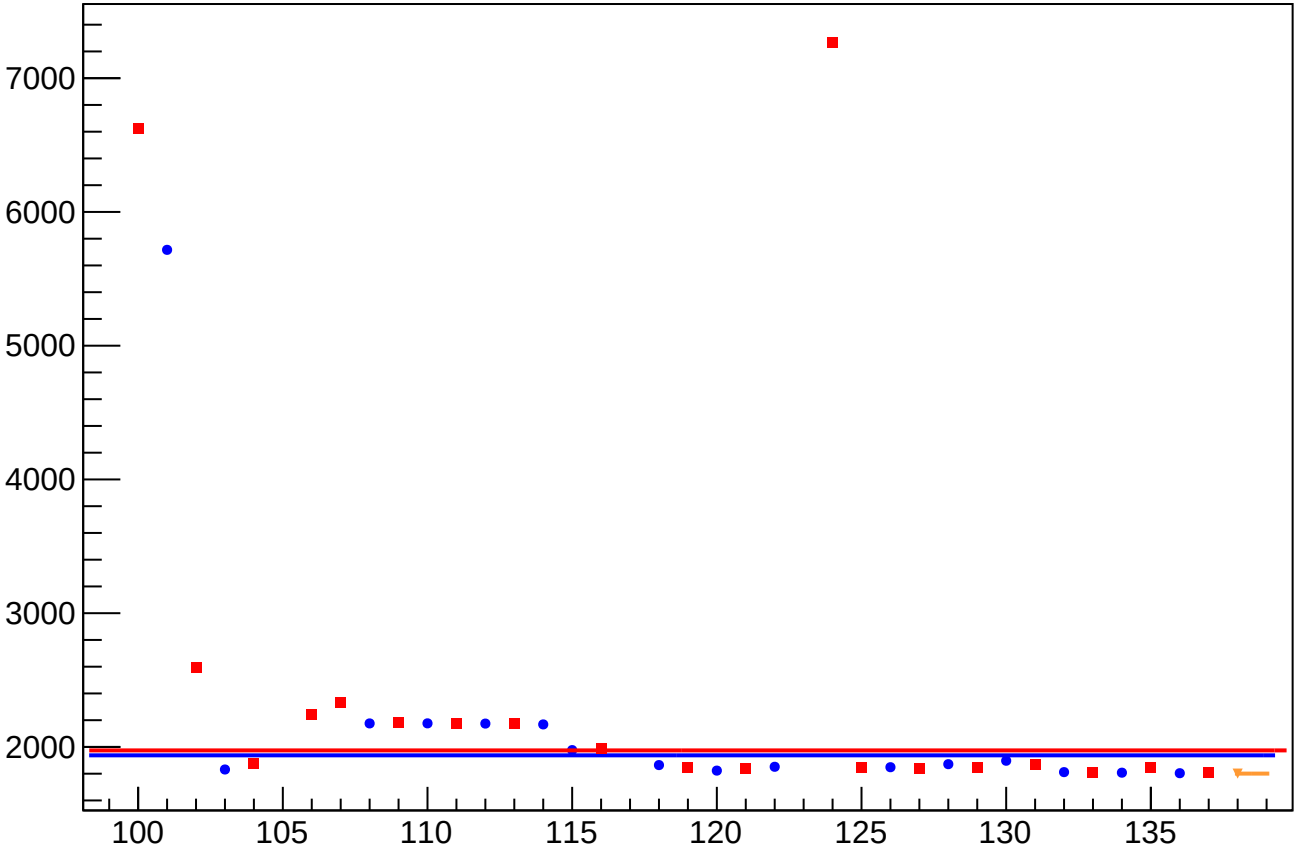
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2038.842+/-736.211 χ^2/NDF:16.4/15

Out: 2158.512+/-693.427 χ^2/NDF:19.3/19

All: 2102.255+/-504.775 χ^2/NDF: 35.7/35

eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1800.638+/-1.441 χ^2/NDF:0.0/0

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

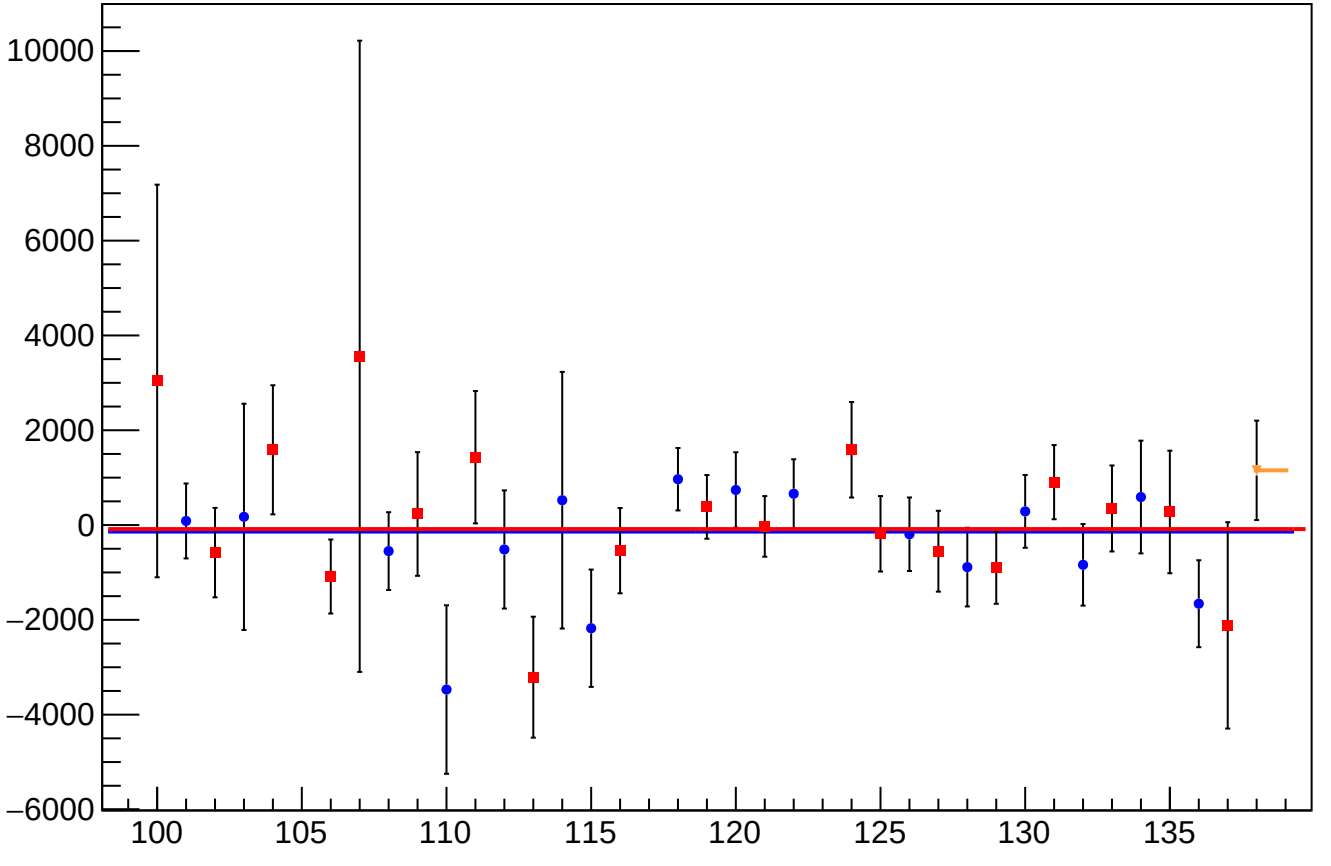
Left: 1800.638+/-1.441 χ^2/NDF: 0.0/0

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1937.251+/-0.521 χ^2/NDF:638092.5/15

Out: 1954.073+/-0.490 χ^2/NDF:393246.9/19

All: 1946.165+/-0.357 χ^2/NDF: 1031892.8/35



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 1153.743+/-1049.050 χ^2/NDF:0.0/0

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

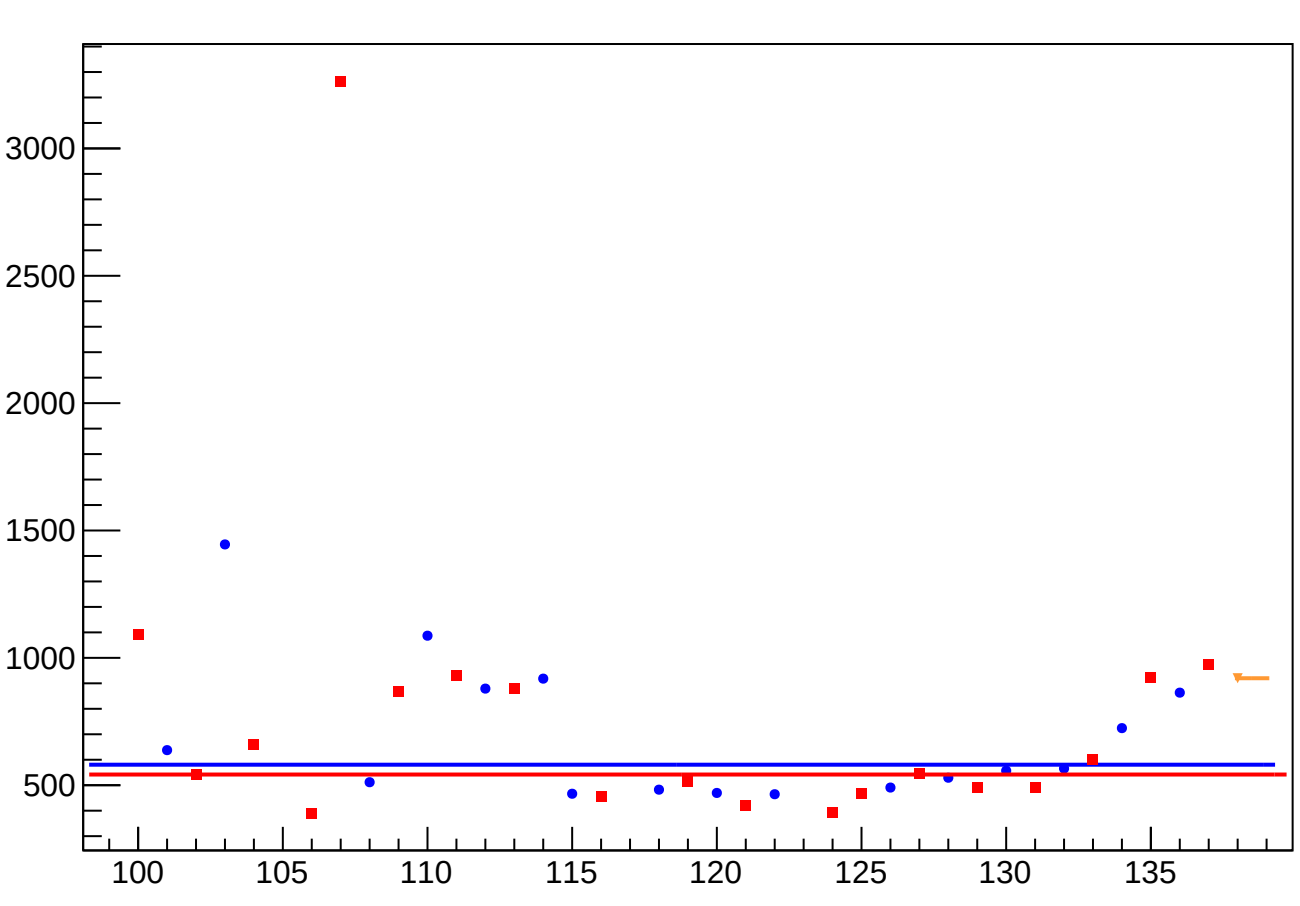
Left: 1153.743+/-1049.050 χ^2/NDF: 0.0/0

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -137.491+/-230.382 χ^2/NDF:16.9/15

Out: -31.907+/-217.078 χ^2/NDF:20.6/19

All: -81.563+/-157.991 χ^2/NDF: 37.6/35



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 919.985+/-0.742 χ^2/NDF:0.0/0

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 919.985+/-0.742 χ^2/NDF: 0.0/0

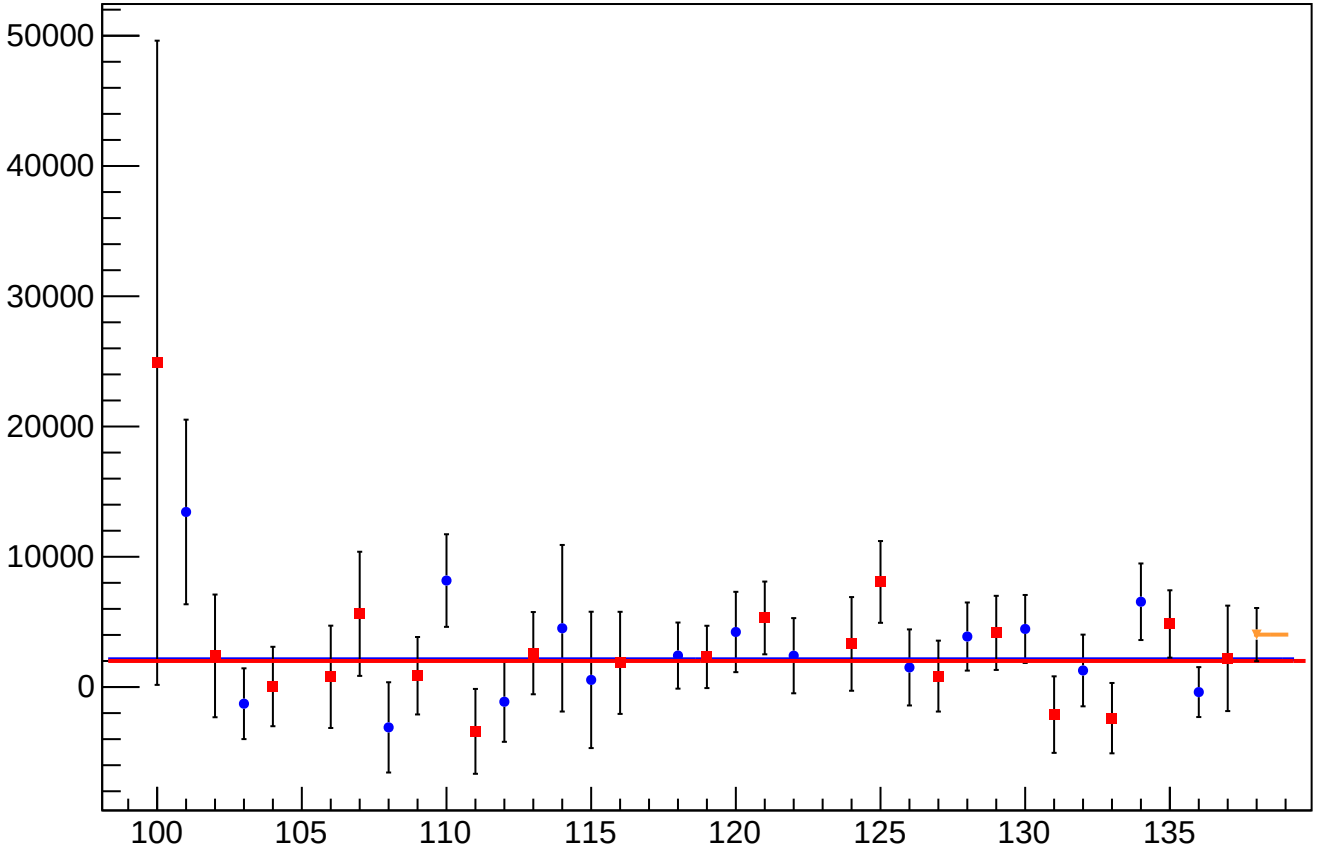
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 580.519+/-0.163 χ^2/NDF:1002900.5/15

Out: 558.126+/-0.153 χ^2/NDF:1567461.8/19

All: 568.657+/-0.112 χ^2/NDF: 2580370.7/35

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 4025.273+/-2042.457 χ^2/NDF:0.0/0

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

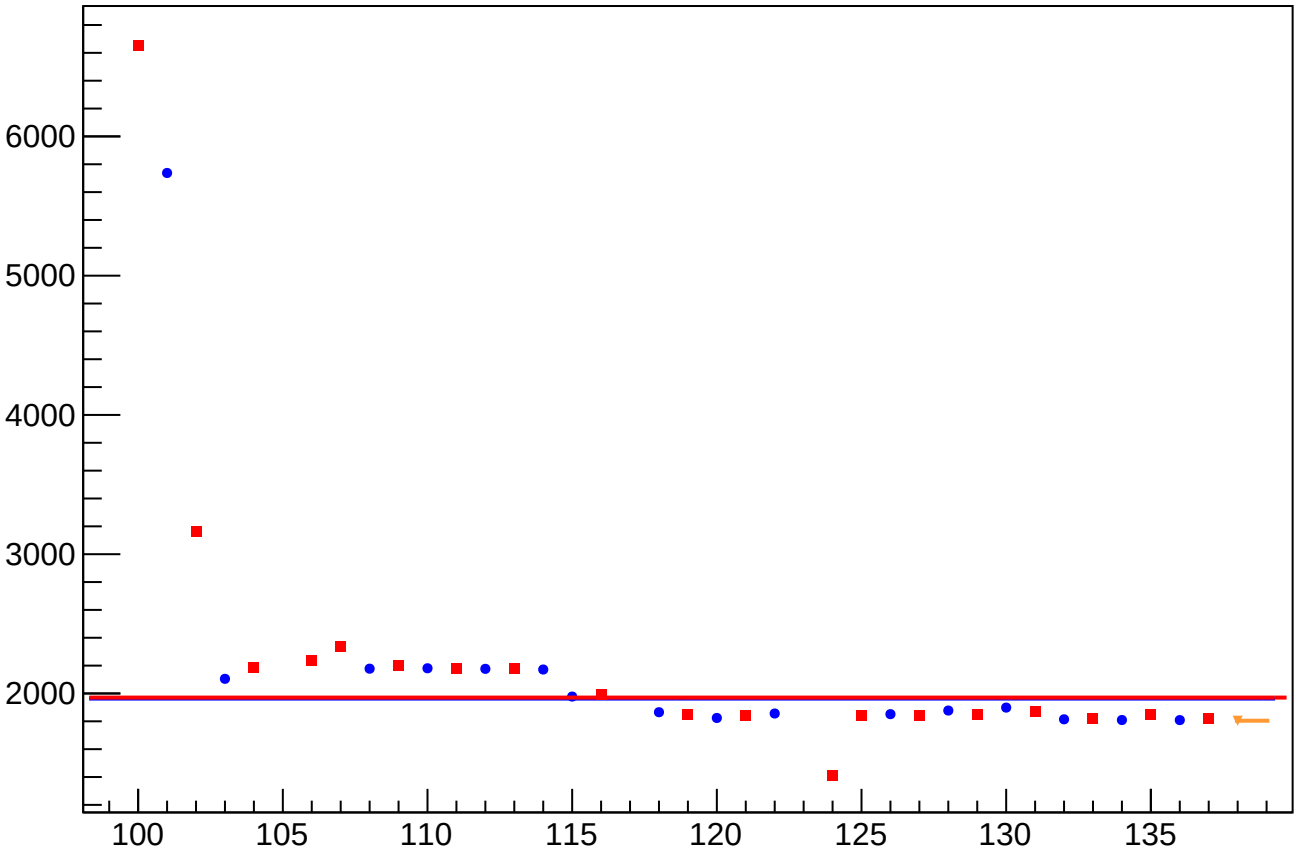
Left: 4025.273+/-2042.457 χ^2/NDF: 0.0/0

Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2128.748+/-746.242 χ^2/NDF:16.5/15

Out: 2235.395+/-693.410 χ^2/NDF:17.6/19

All: 2185.980+/-507.967 χ^2/NDF: 34.1/35



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1804.300+/-1.444 χ^2/NDF:0.0/0

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

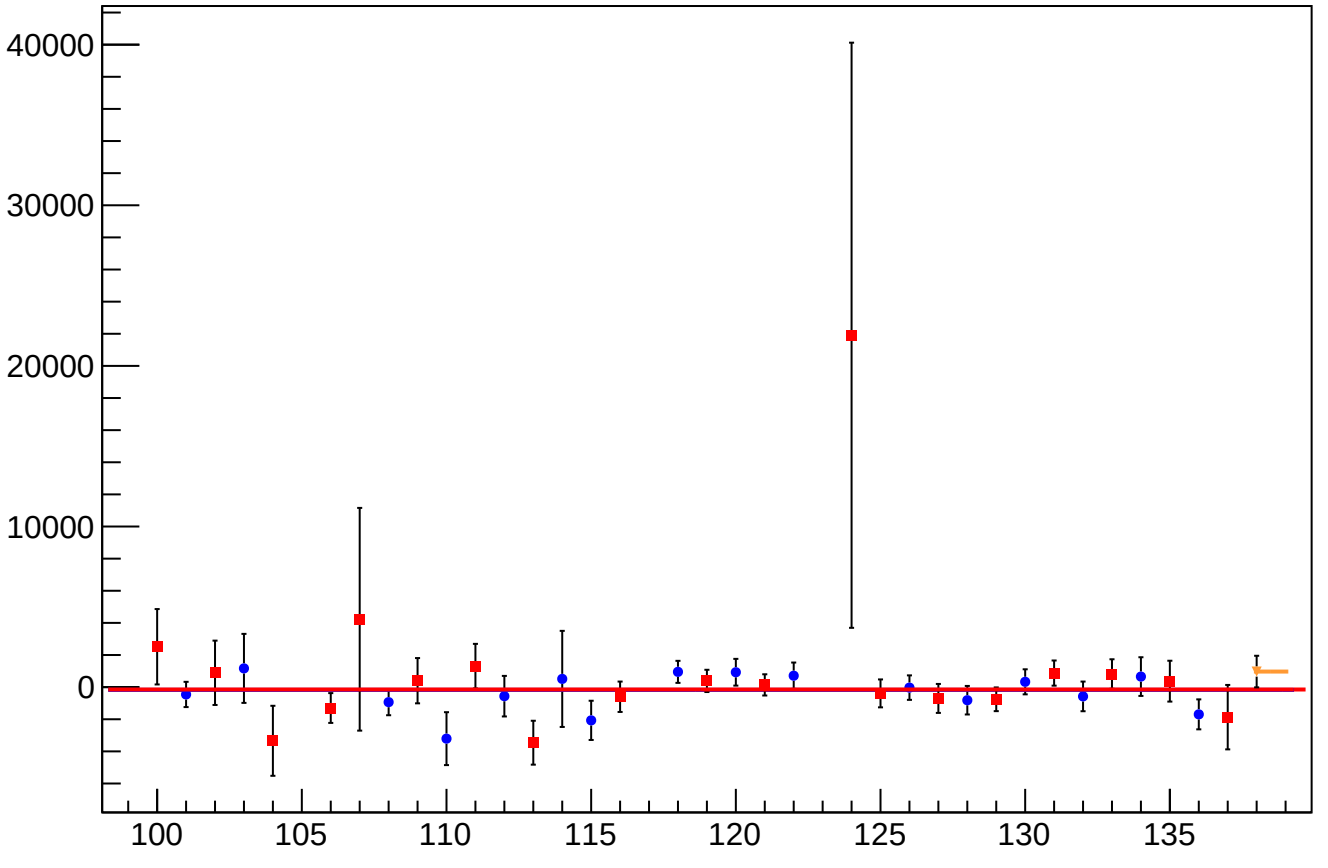
Left: 1804.300+/-1.444 χ^2/NDF: 0.0/0

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1963.415+/-0.528 χ^2/NDF:640254.1/15

Out: 1951.308+/-0.490 χ^2/NDF:356843.8/19

All: 1956.918+/-0.359 χ^2/NDF: 997380.4/35



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: 969.573+/-983.213 χ^2/NDF:0.0/0

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

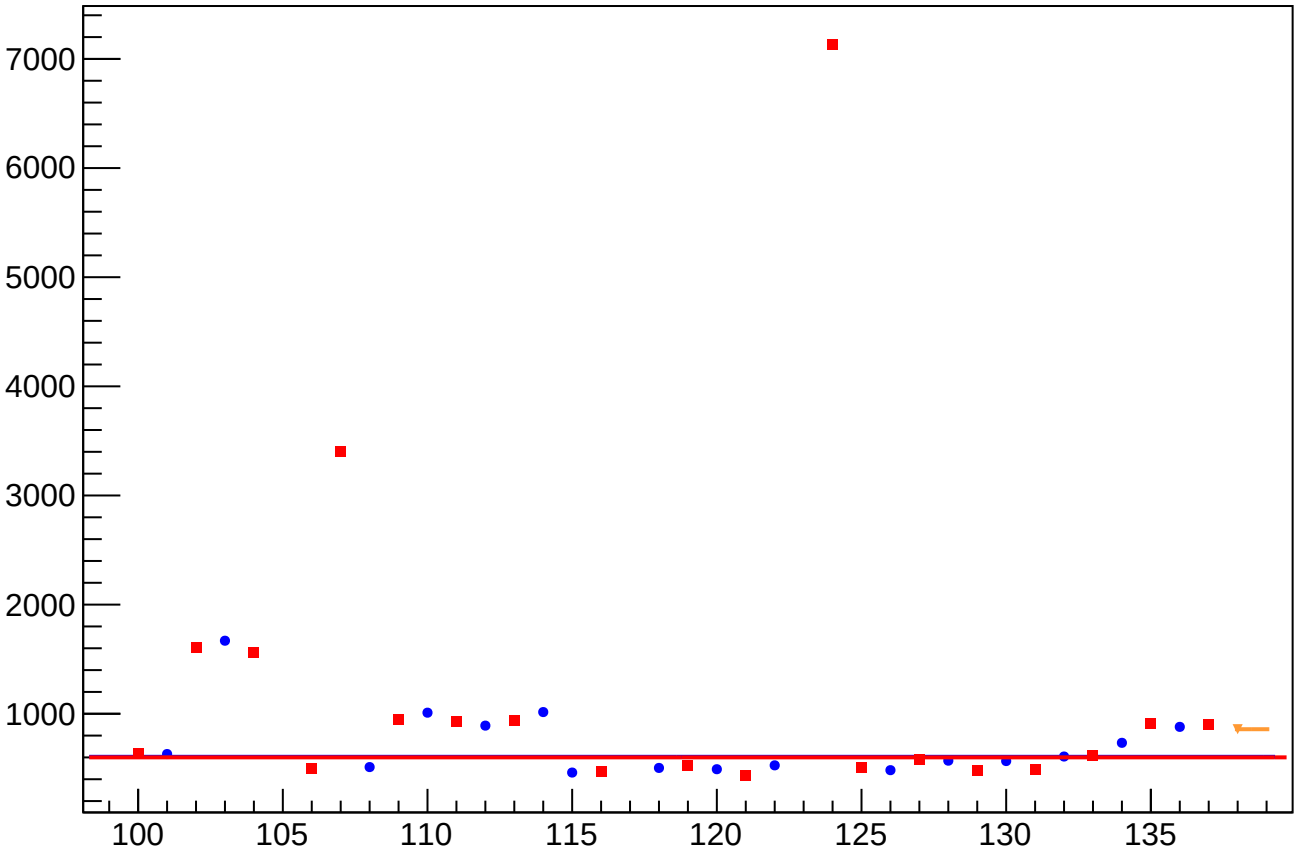
Left: 969.573+/-983.213 χ^2/NDF: 0.0/0

Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -170.774+/-236.912 χ^2/NDF:17.2/15

Out: -83.260+/-235.763 χ^2/NDF:21.3/19

All: -126.804+/-167.114 χ^2/NDF: 38.6/35



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 858.372+/-0.695 χ^2/NDF:0.0/0

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

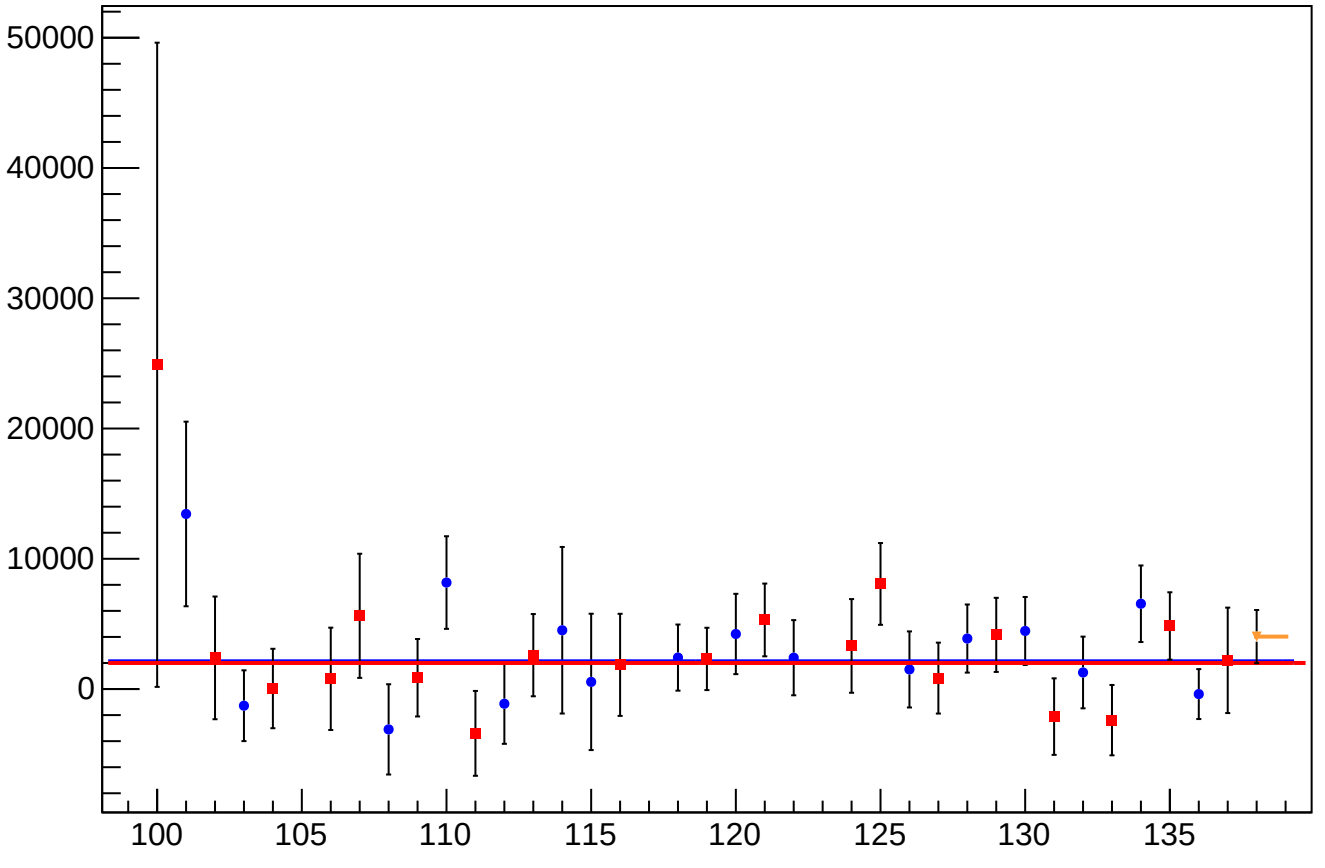
Left: 858.372+/-0.695 χ^2/NDF: 0.0/0

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 605.430+/-0.168 χ^2/NDF:1162454.5/15

Out: 615.277+/-0.167 χ^2/NDF:2458243.4/19

All: 610.377+/-0.118 χ^2/NDF: 3622434.0/35



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 4025.273+/-2042.457 χ^2/NDF:0.0/0

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4025.273+/-2042.457 χ^2/NDF: 0.0/0

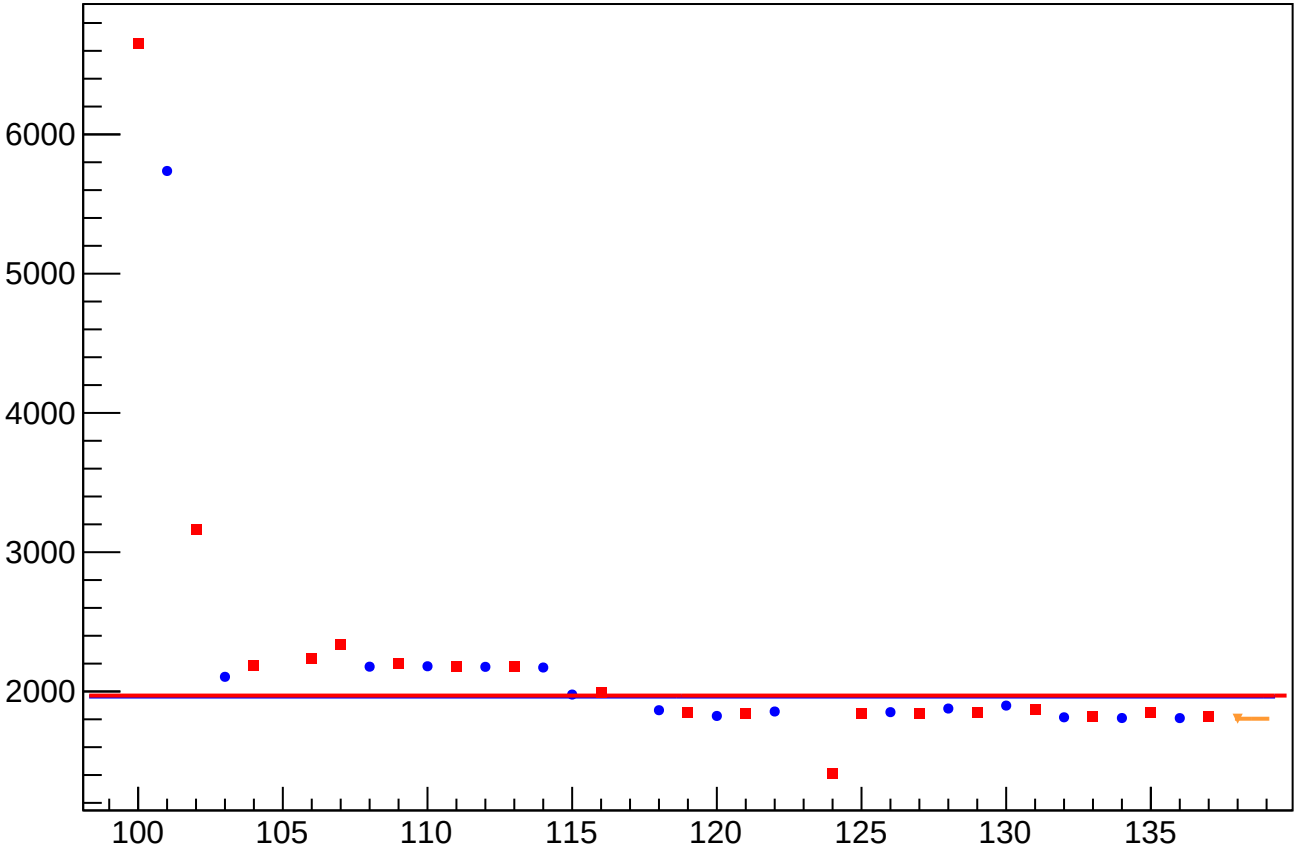
Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2128.746+/-746.242 χ^2/NDF:16.5/15

Out: 2235.393+/-693.410 χ^2/NDF:17.6/19

All: 2185.978+/-507.967 χ^2/NDF: 34.1/35

eigen_dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1804.300+/-0.000 χ^2/NDF:0.0/0

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

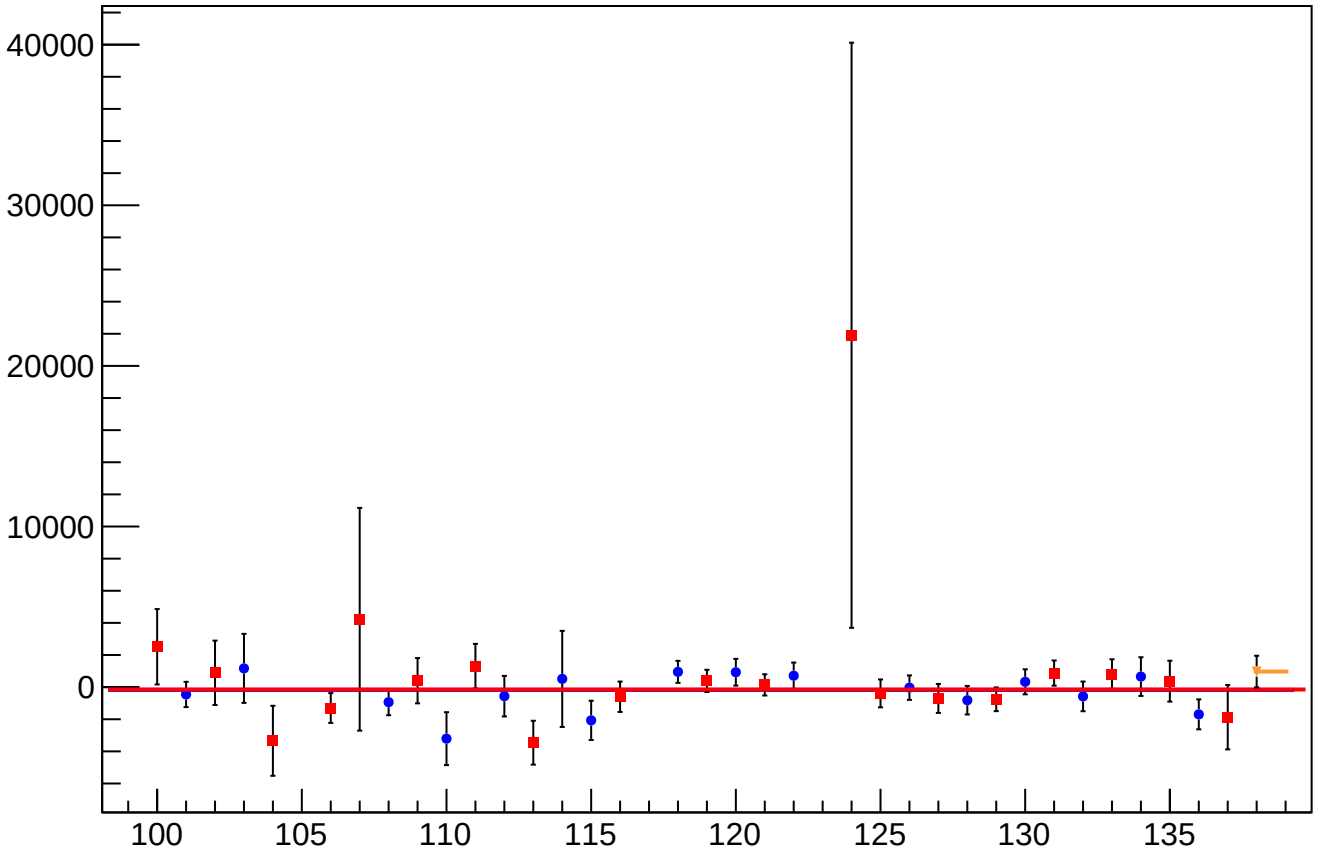
Left: 1804.300+/-1.444 χ^2/NDF: 0.0/0

Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1963.415+/-0.528 χ^2/NDF:640253.8/15

Out: 1951.308+/-0.490 χ^2/NDF:356842.5/19

All: 1956.917+/-0.359 χ^2/NDF: 997378.8/35



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: 969.574+/-983.213 χ^2/NDF:0.0/0

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 969.574+/-983.213 χ^2/NDF: 0.0/0

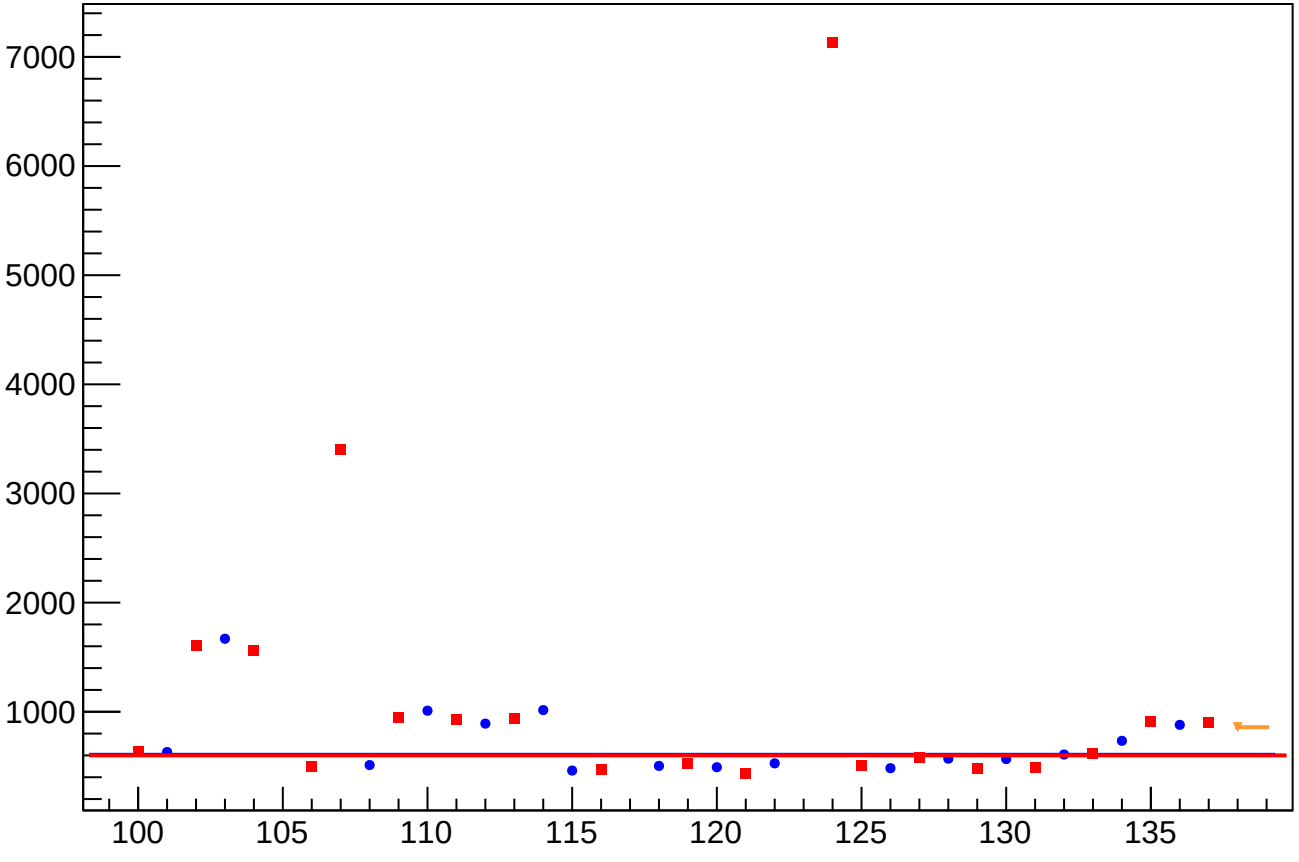
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -170.773+/-236.912 χ^2/NDF:17.2/15

Out: -83.260+/-235.762 χ^2/NDF:21.3/19

All: -126.804+/-167.114 χ^2/NDF: 38.6/35

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: 858.372+/-0.695 χ^2/NDF:0.0/0

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 858.372+/-0.695 χ^2/NDF: 0.0/0

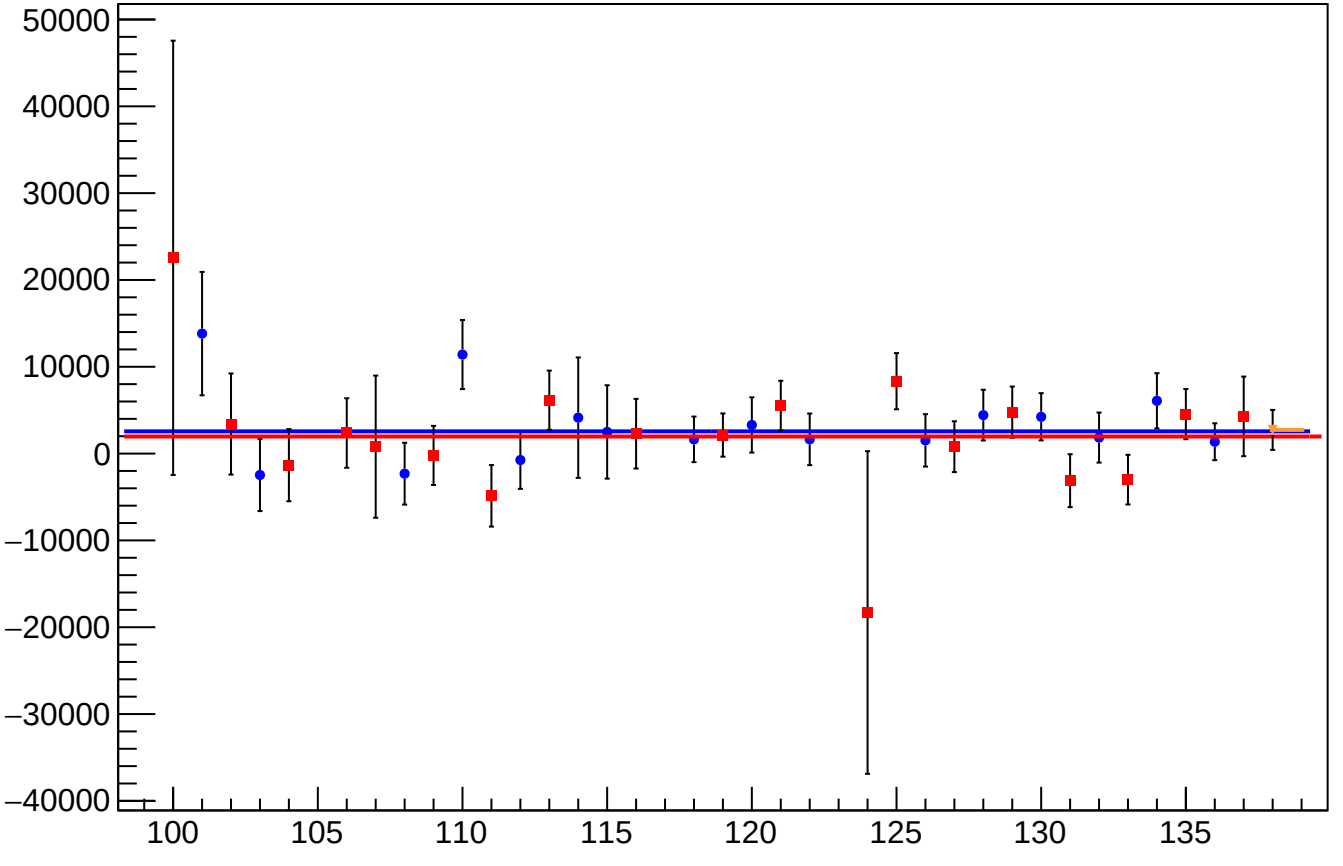
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 605.429+/-0.168 χ^2/NDF:1162462.4/15

Out: 615.276+/-0.167 χ^2/NDF:2458252.3/19

All: 610.376+/-0.118 χ^2/NDF: 3622450.9/35

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2728.052+/-2303.605 χ^2/NDF:0.0/0

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2728.052+/-2303.605 χ^2/NDF: 0.0/0

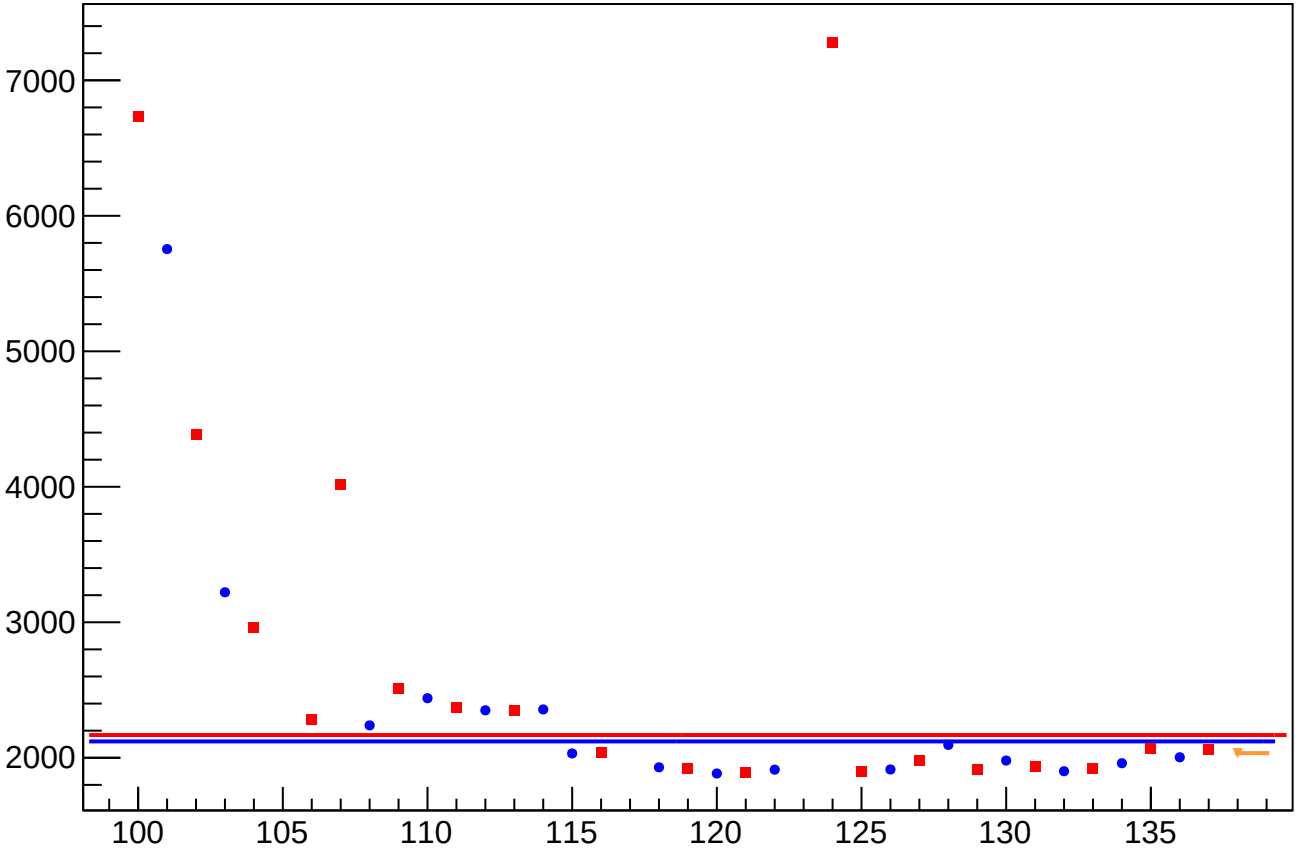
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2560.971+/-809.658 χ^2/NDF:14.6/15

Out: 2052.135+/-771.546 χ^2/NDF:21.7/19

All: 2294.295+/-558.553 χ^2/NDF: 36.5/35

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2034.328+/-0.629 χ^2/NDF:0.0/0

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

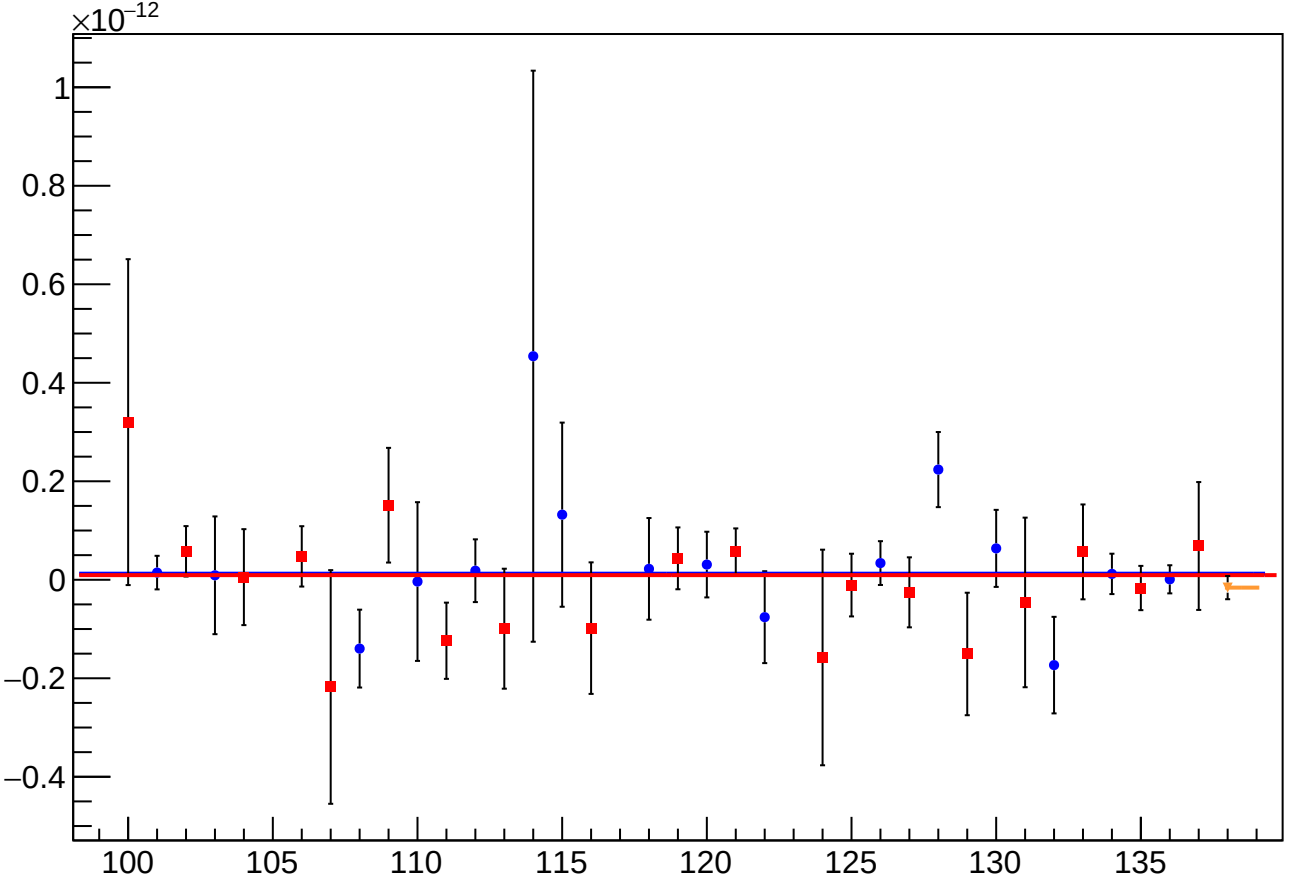
Left: 2034.328+/-1.629 χ^2/NDF: 0.0/0

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2120.778+/-0.573 χ^2/NDF:759969.1/15

Out: 2152.863+/-0.546 χ^2/NDF:829890.1/19

All: 2137.593+/-0.395 χ^2/NDF: 1591505.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

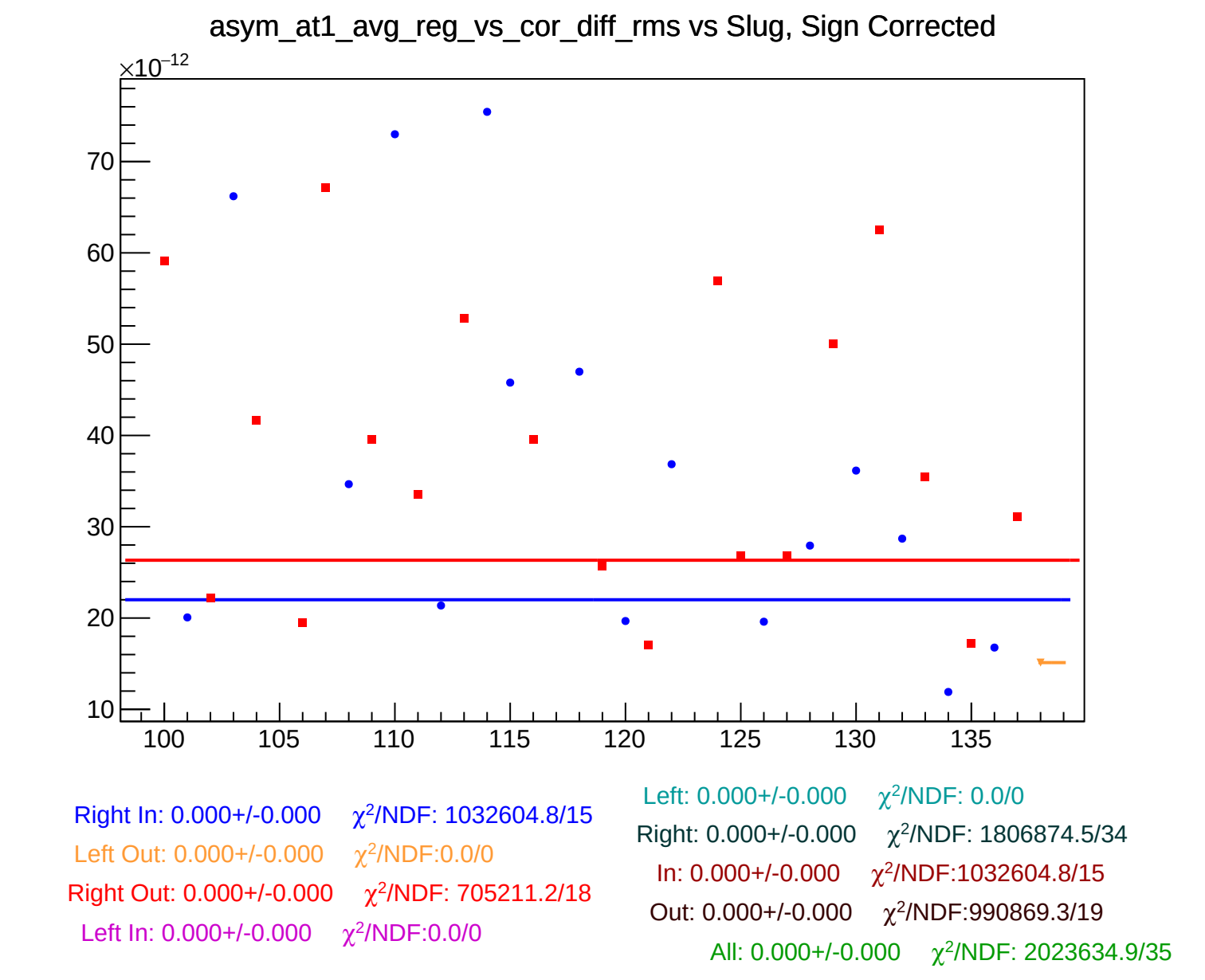
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

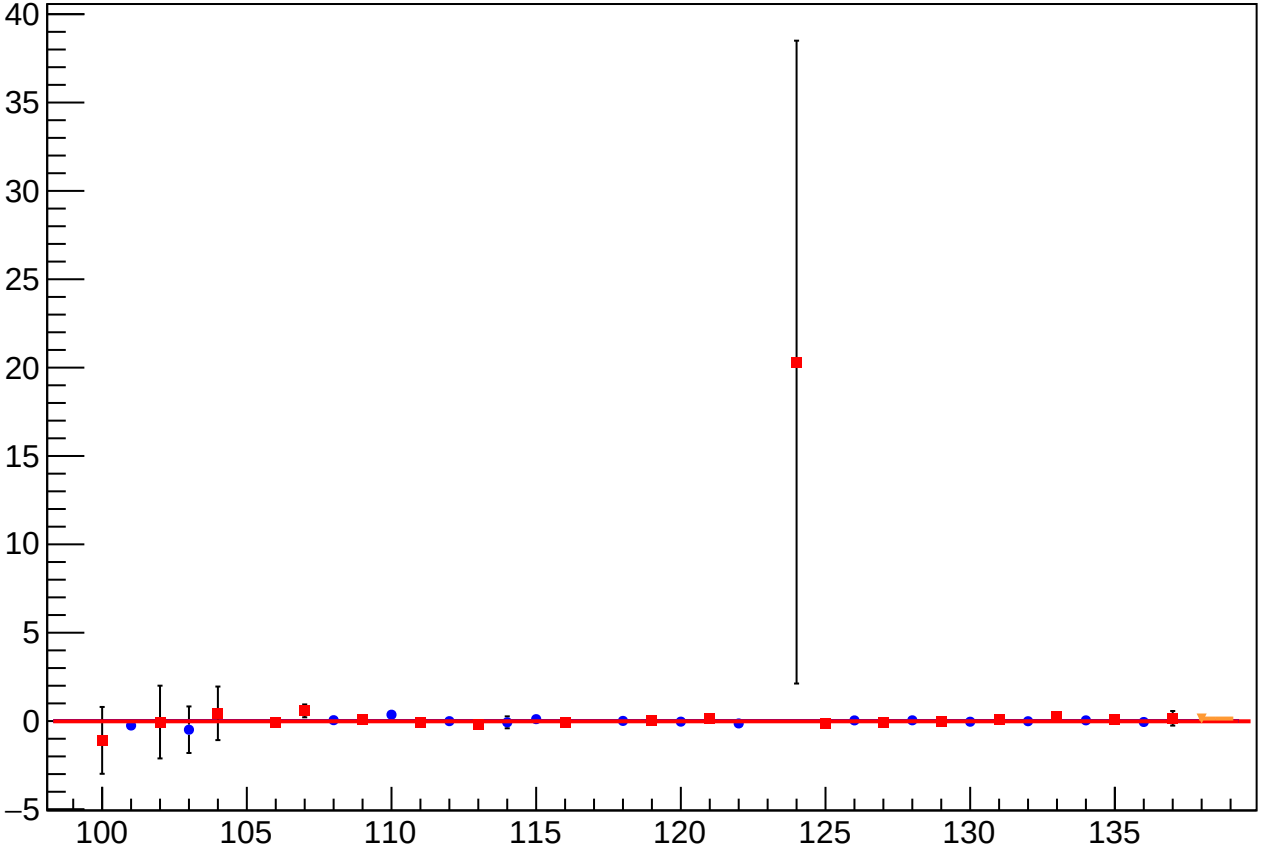
In: 0.000+/-0.000 χ^2/NDF:17.8/15

Out: 0.000+/-0.000 χ^2/NDF:14.5/19

All: 0.000+/-0.000 χ^2/NDF: 32.6/35


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:1032604.8/15
Out: 0.000+/-0.000 χ²/NDF:990869.3/19
All: 0.000+/-0.000 χ²/NDF: 2023634.9/35

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.142+/-0.093 χ^2/NDF:0.0/0

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

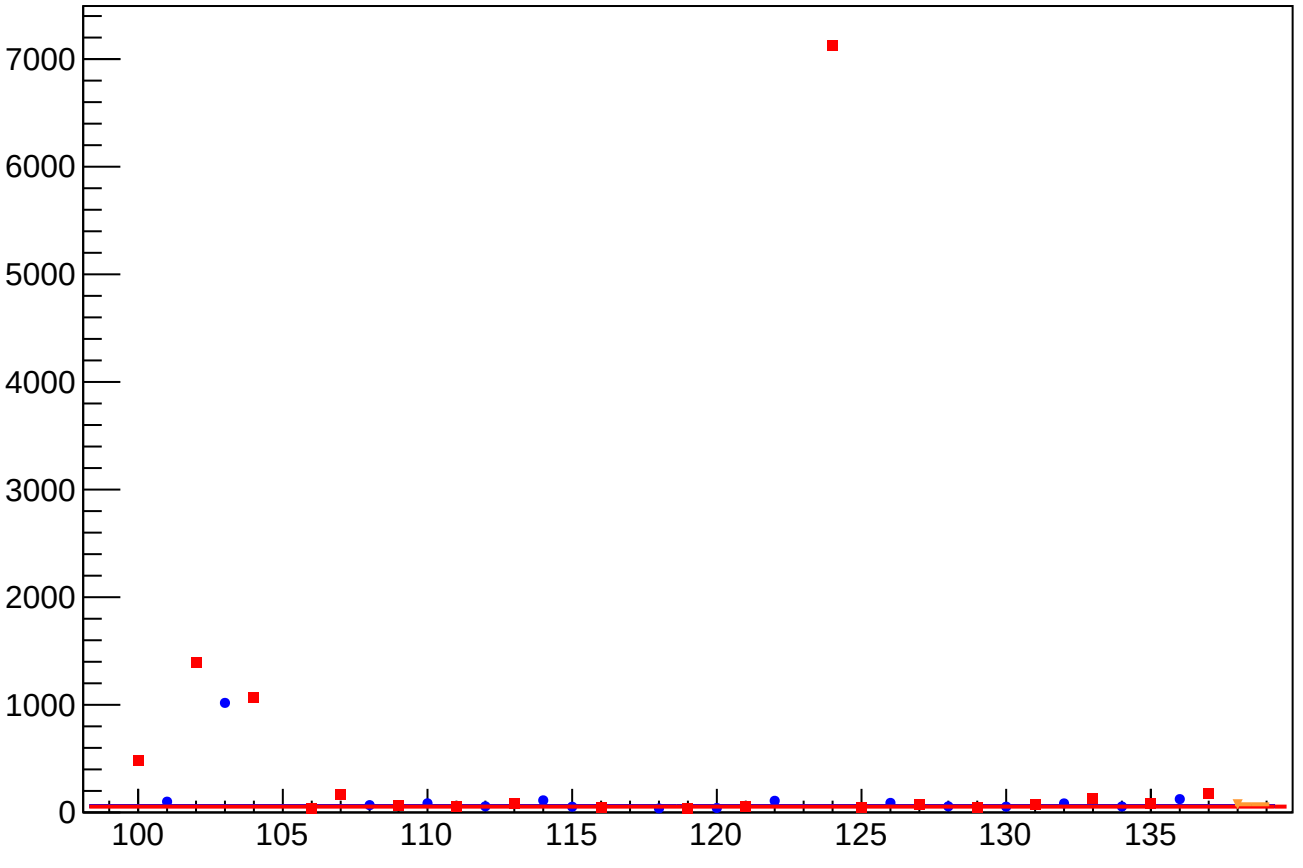
Left: 0.142+/-0.093 χ^2/NDF: 0.0/0

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.027 χ^2/NDF:11.4/15

Out: -0.002+/-0.025 χ^2/NDF:20.2/19

All: 0.001+/-0.018 χ^2/NDF: 31.6/35



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 75.969+/-0.066 χ^2/NDF:0.0/0

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 75.969+/-0.066 χ^2/NDF: 0.0/0

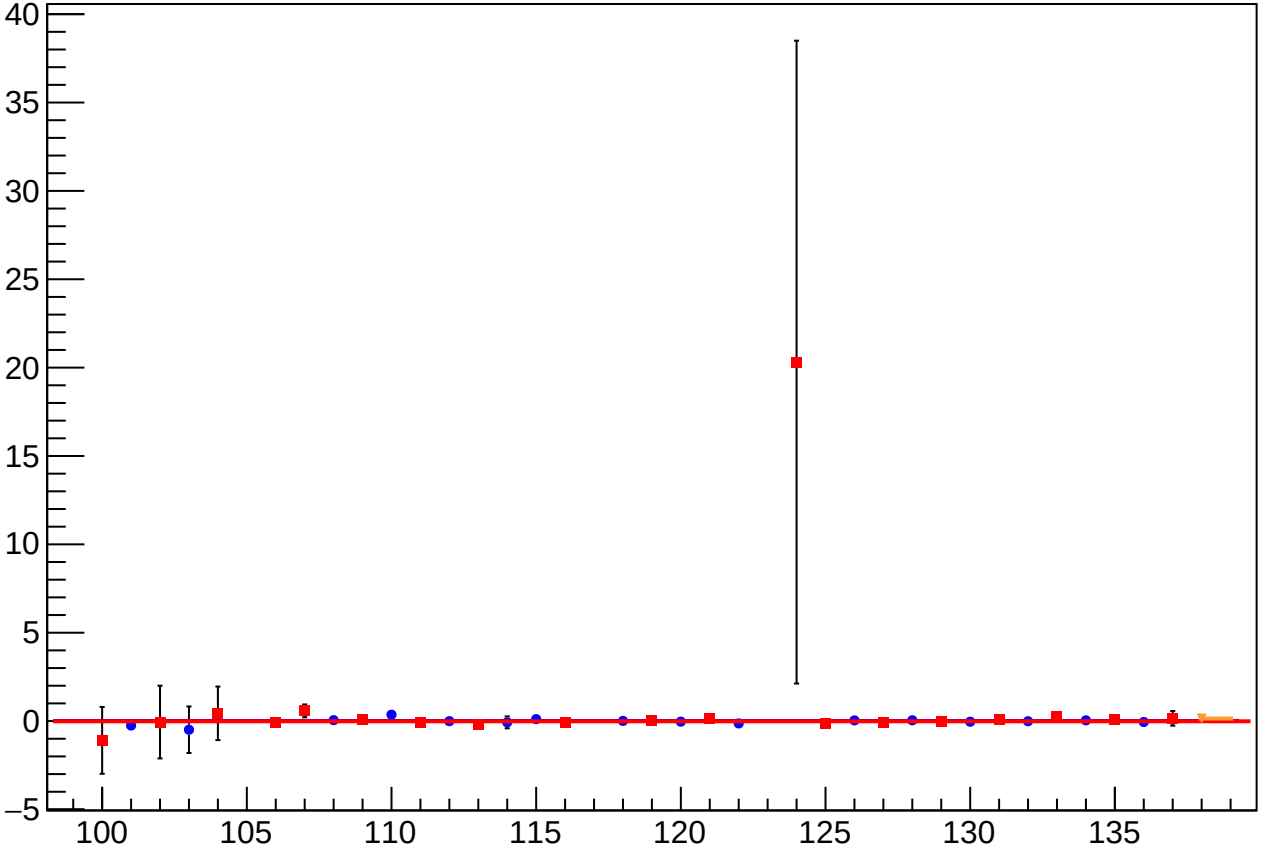
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 59.840+/-0.019 χ^2/NDF:2538867.4/15

Out: 55.801+/-0.018 χ^2/NDF:3622819.3/19

All: 57.676+/-0.013 χ^2/NDF: 6186168.1/35

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.142+/-0.093 χ^2/NDF:0.0/0

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

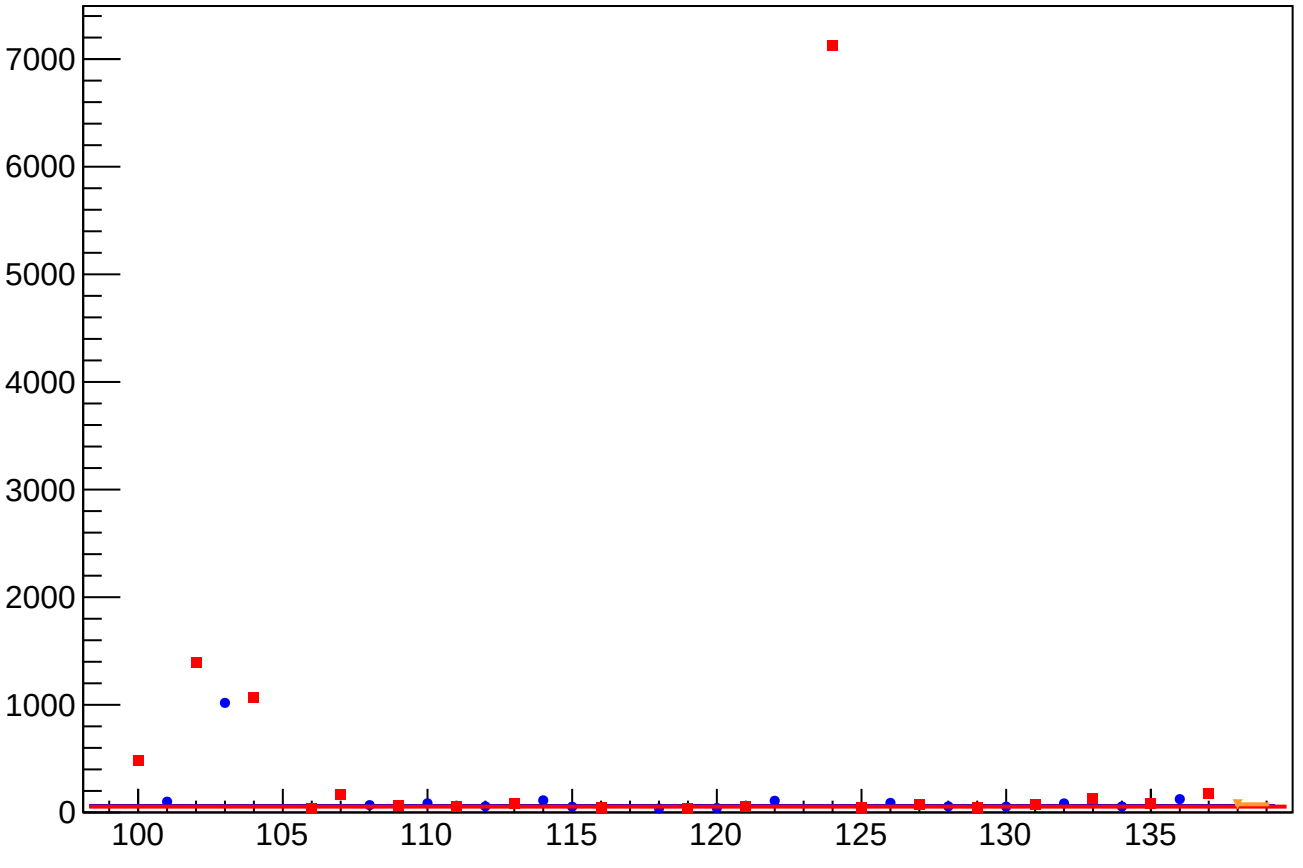
Left: 0.142+/-0.093 χ^2/NDF: 0.0/0

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.027 χ^2/NDF:11.4/15

Out: -0.002+/-0.025 χ^2/NDF:20.2/19

All: 0.001+/-0.018 χ^2/NDF: 31.6/35



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 75.969+/-0.066 χ^2/NDF:0.0/0

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

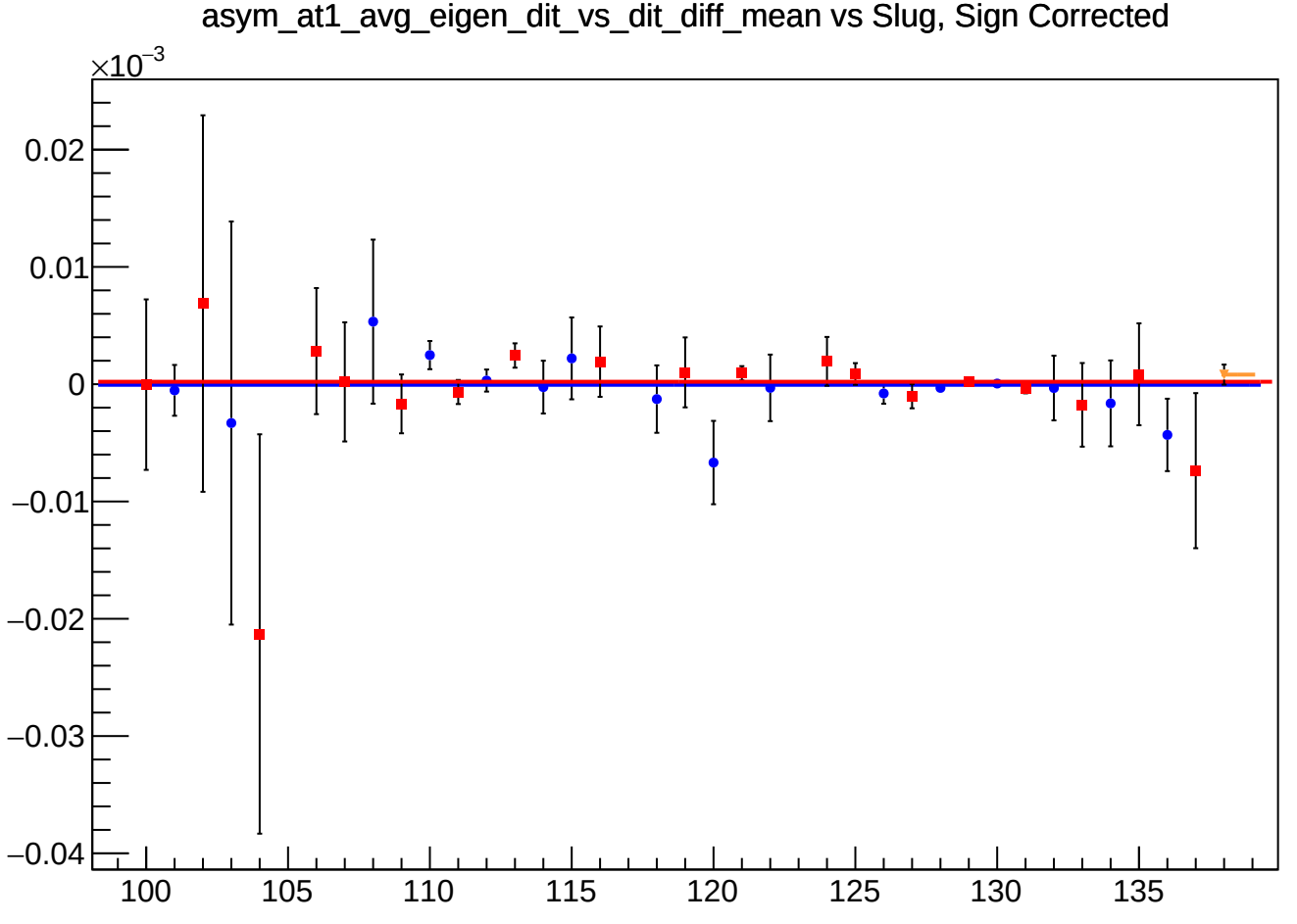
Left: 75.969+/-0.066 χ^2/NDF: 0.0/0

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 59.840+/-0.019 χ^2/NDF:2538867.4/15

Out: 55.801+/-0.018 χ^2/NDF:3622819.3/19

All: 57.676+/-0.013 χ^2/NDF: 6186168.1/35



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

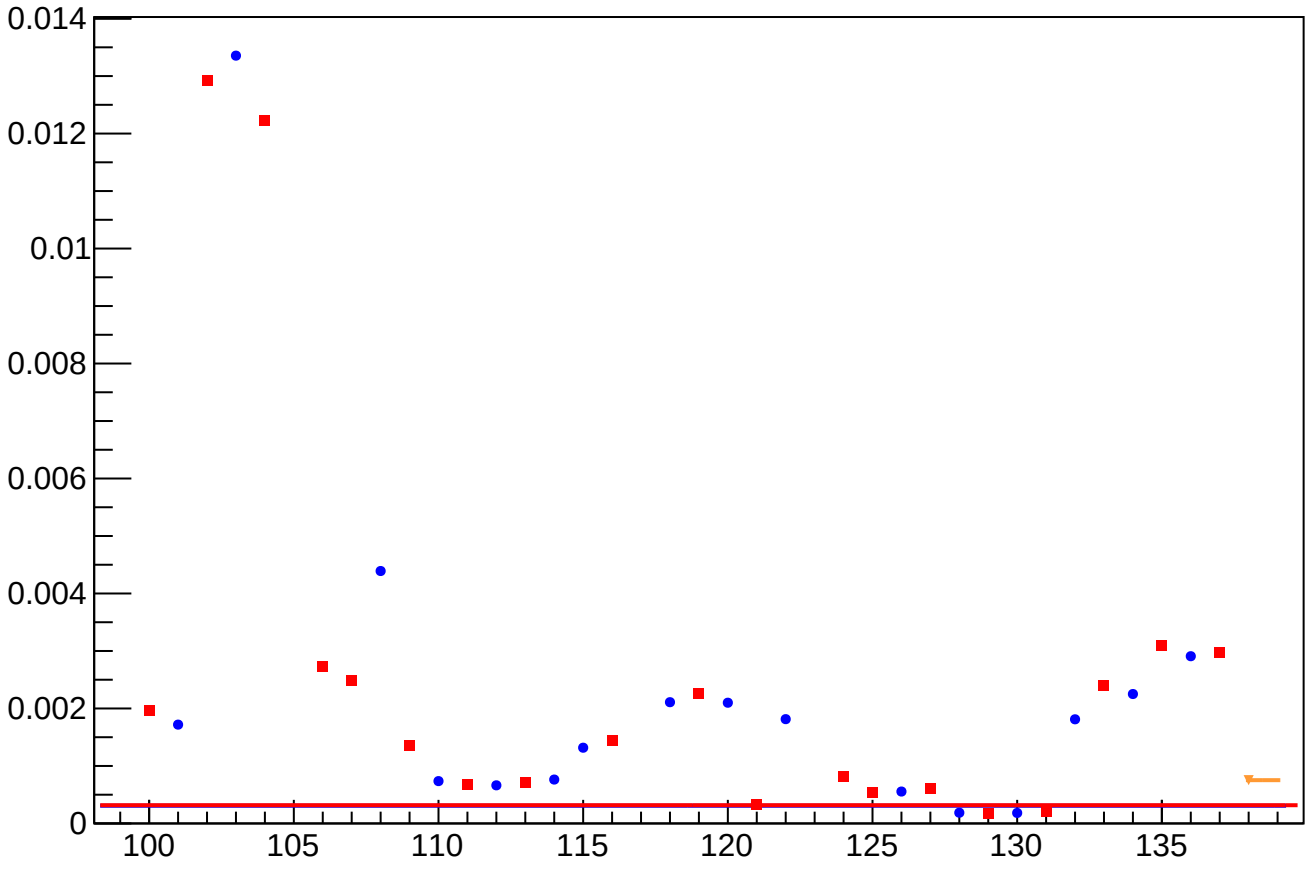
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:12.8/15

Out: 0.000+/-0.000 χ^2/NDF:16.1/19

All: 0.000+/-0.000 χ^2/NDF: 30.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.001+/-0.000 χ^2/NDF: 0.0/0

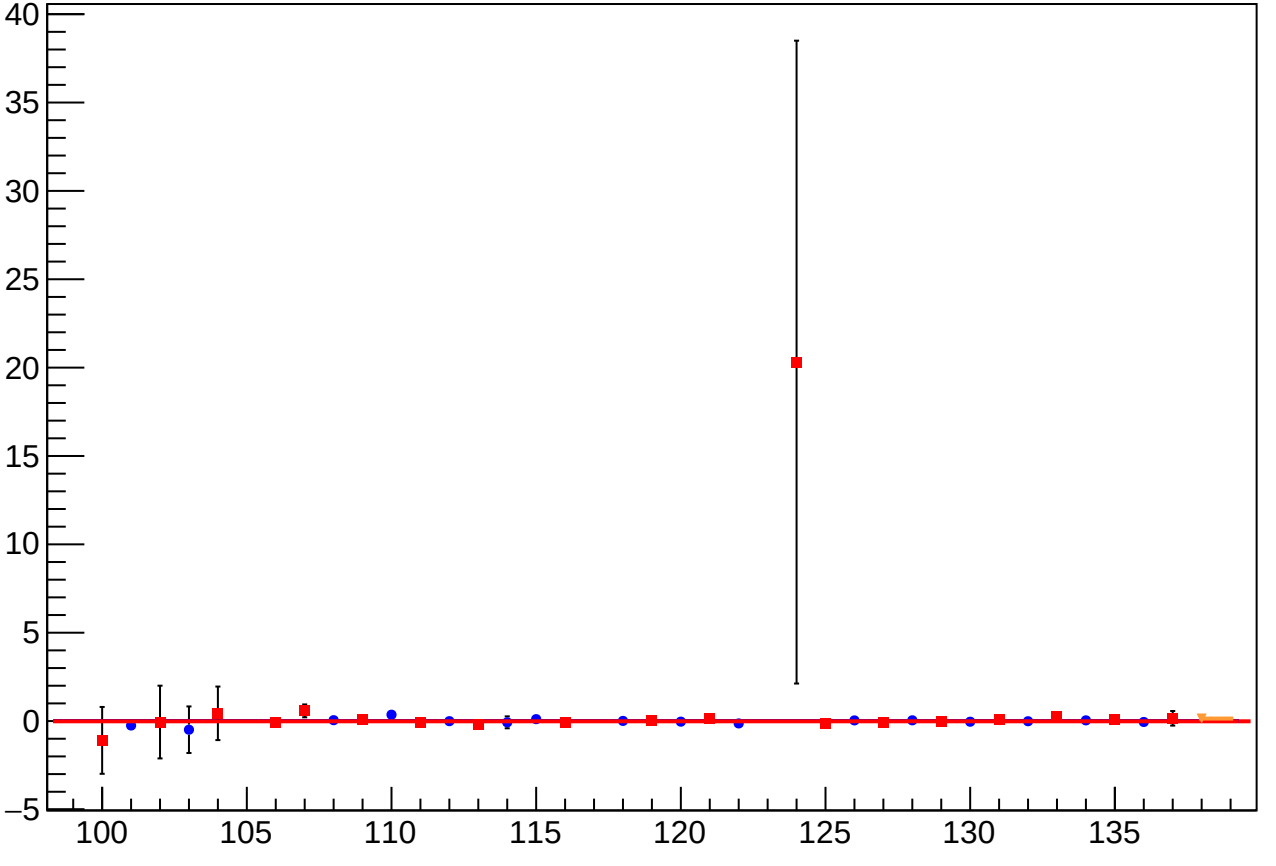
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:8756212.9/15

Out: 0.000+/-0.000 χ^2/NDF:8508725.1/19

All: 0.000+/-0.000 χ^2/NDF: 17289612.3/35

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: 0.142+/-0.093 χ^2/NDF:0.0/0

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.142+/-0.093 χ^2/NDF: 0.0/0

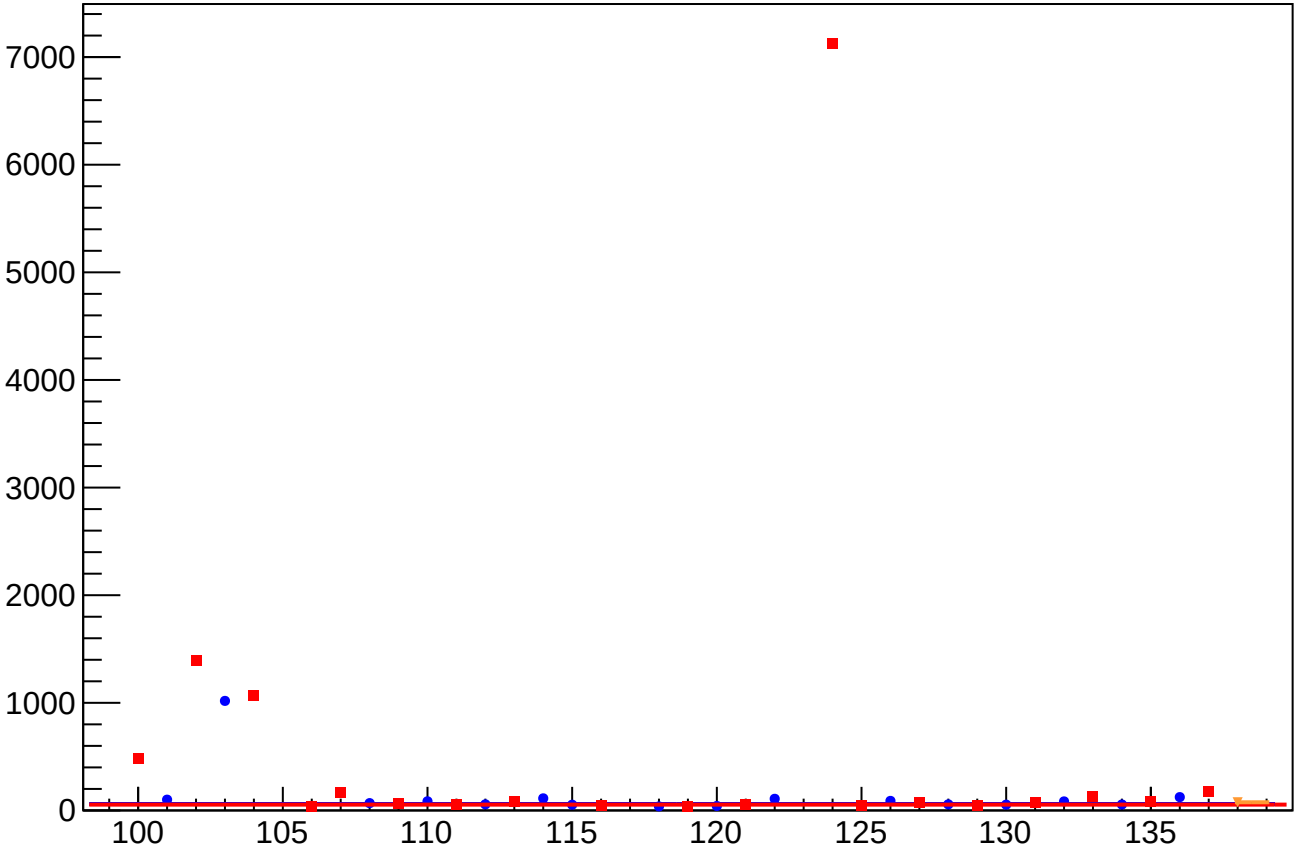
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.027 χ^2/NDF:11.4/15

Out: -0.002+/-0.025 χ^2/NDF:20.2/19

All: 0.001+/-0.018 χ^2/NDF: 31.6/35

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: 75.969+/-0.066 χ^2/NDF:0.0/0

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 75.969+/-0.066 χ^2/NDF: 0.0/0

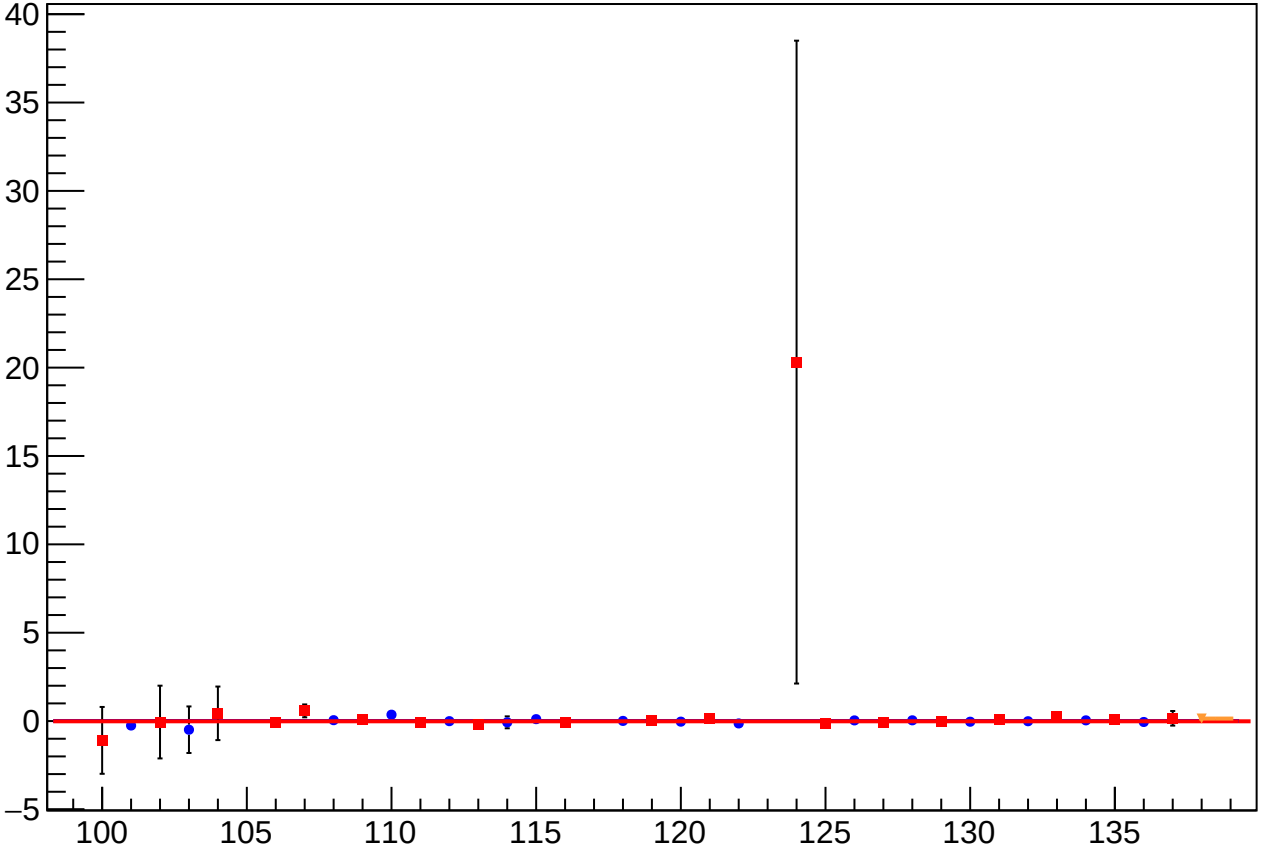
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 59.839+/-0.019 χ^2/NDF:2538881.2/15

Out: 55.800+/-0.018 χ^2/NDF:3622890.4/19

All: 57.675+/-0.013 χ^2/NDF: 6186263.1/35

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: 0.142+/-0.093 χ^2/NDF:0.0/0

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.142+/-0.093 χ^2/NDF: 0.0/0

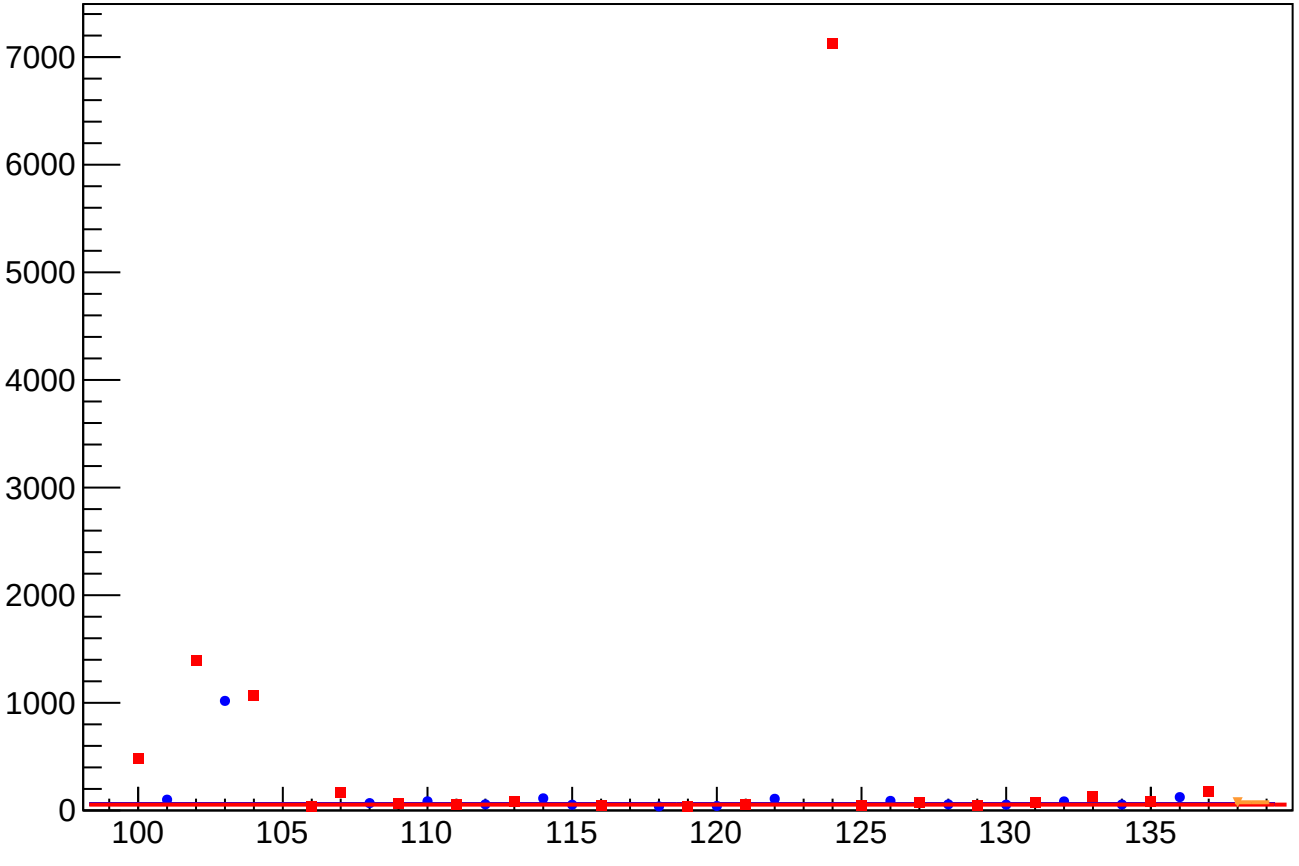
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.027 χ^2/NDF:11.4/15

Out: -0.002+/-0.025 χ^2/NDF:20.2/19

All: 0.001+/-0.018 χ^2/NDF: 31.6/35

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: 75.969+/-0.066 χ^2/NDF:0.0/0

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

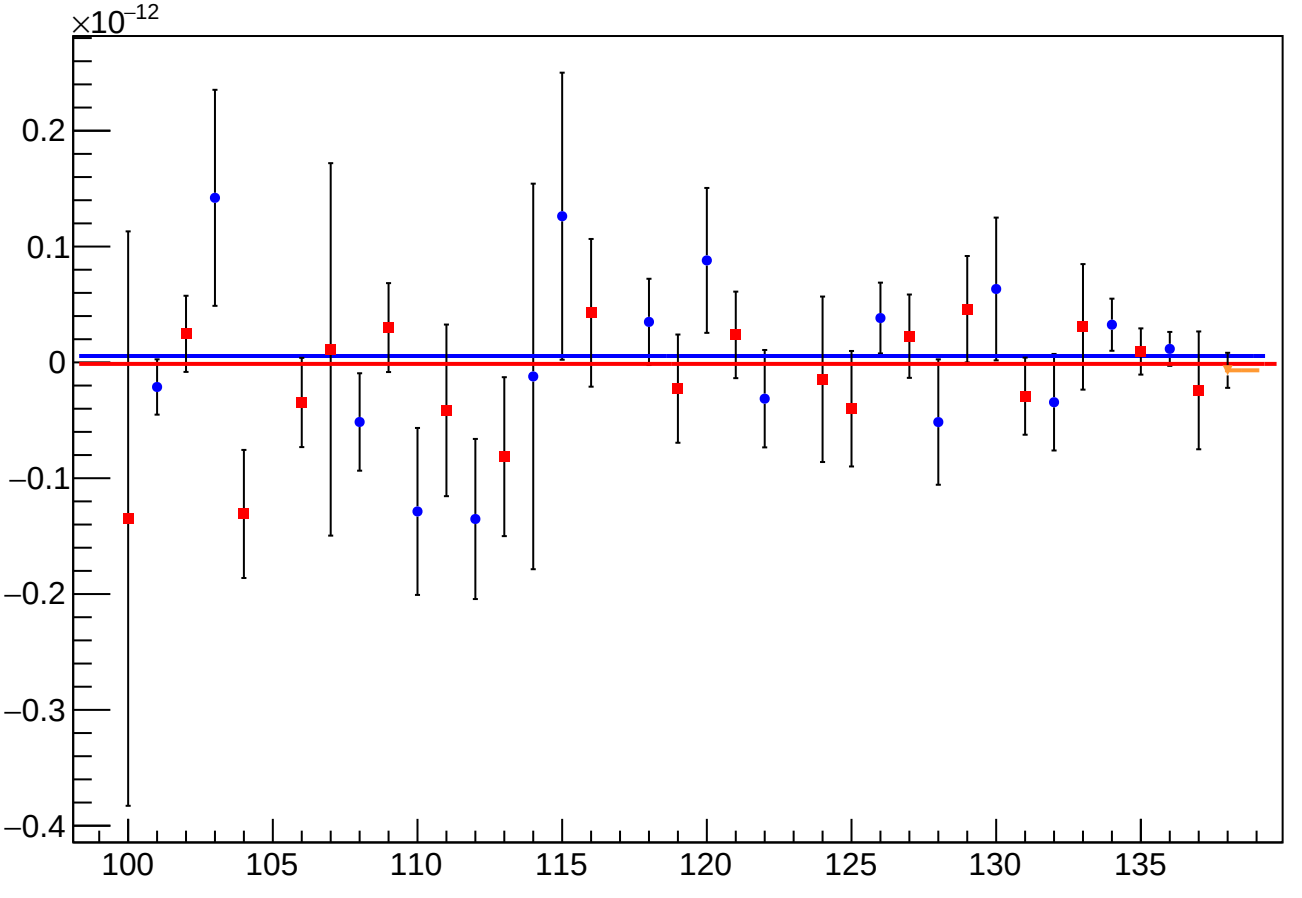
Left: 75.969+/-0.066 χ^2/NDF: 0.0/0

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 59.839+/-0.019 χ^2/NDF:2538881.2/15

Out: 55.800+/-0.018 χ^2/NDF:3622890.4/19

All: 57.675+/-0.013 χ^2/NDF: 6186263.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

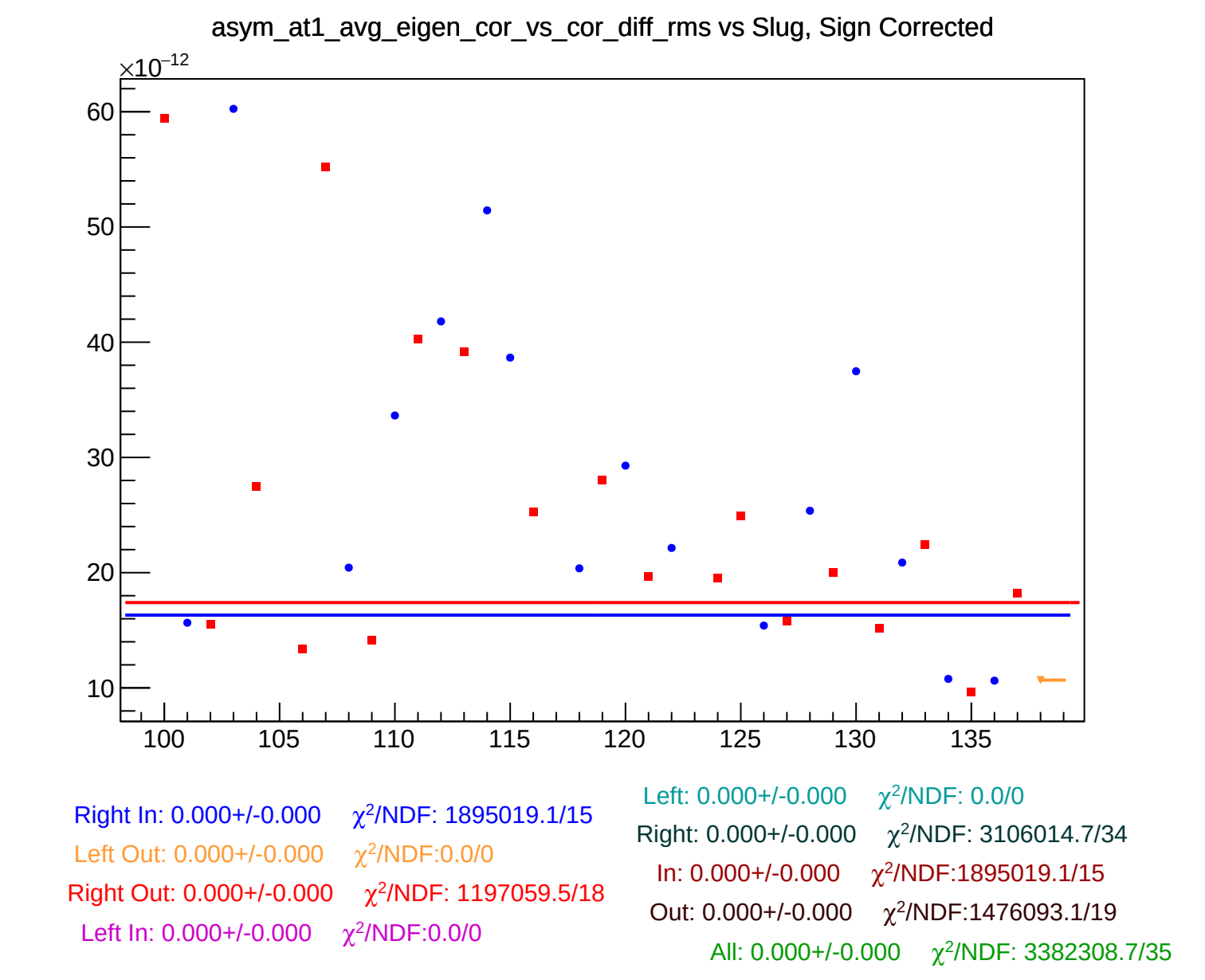
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

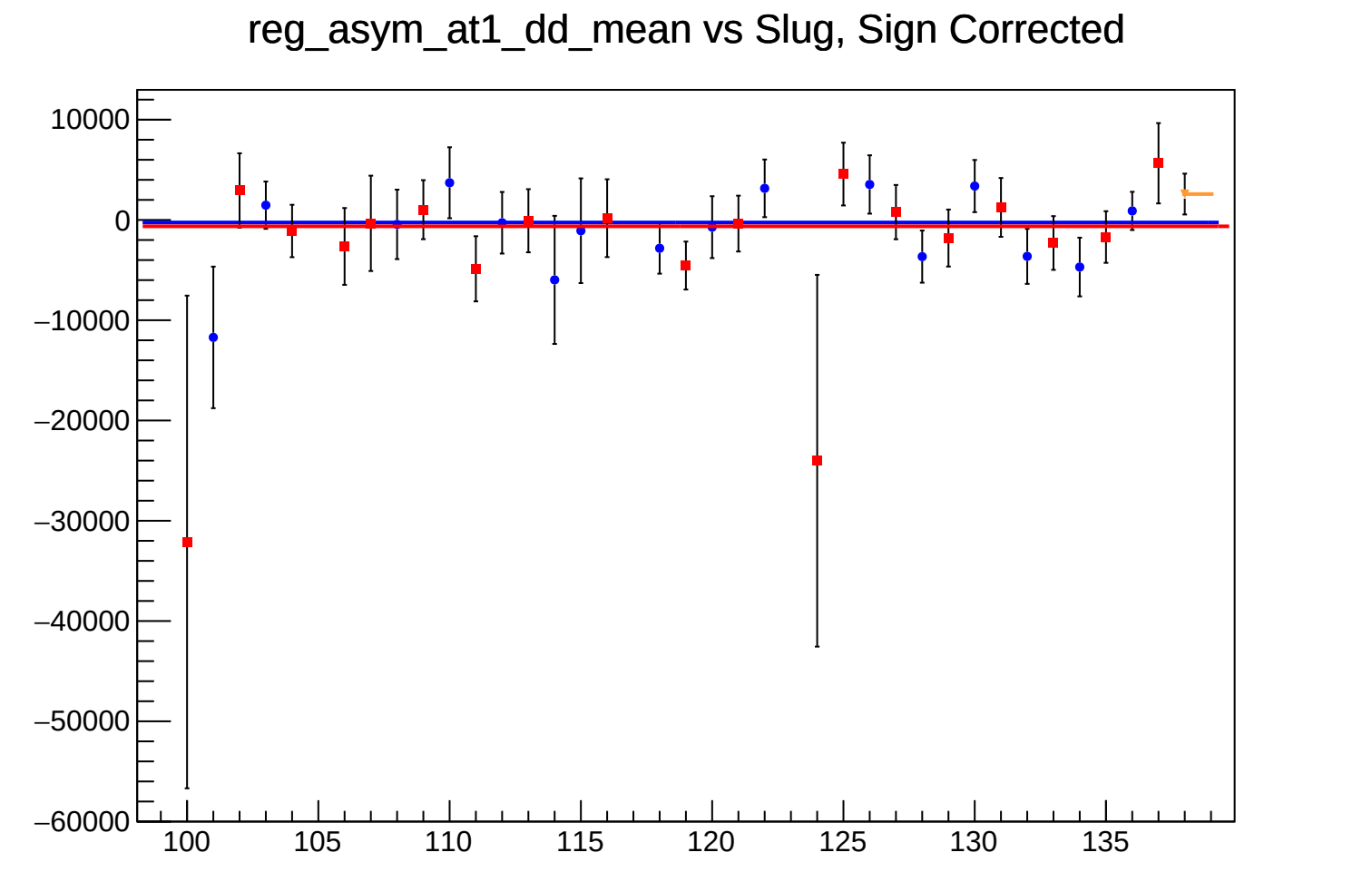
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: 0.000+/-0.000 χ^2/NDF:22.6/15

Out: -0.000+/-0.000 χ^2/NDF:14.4/19

All: 0.000+/-0.000 χ^2/NDF: 37.5/35


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
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
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: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:1895019.1/15
Out: 0.000+/-0.000 χ²/NDF:1476093.1/19
All: 0.000+/-0.000 χ²/NDF: 3382308.7/35



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: 2580.525+/-2036.445 χ^2/NDF:0.0/0

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2580.525+/-2036.445 χ^2/NDF: 0.0/0

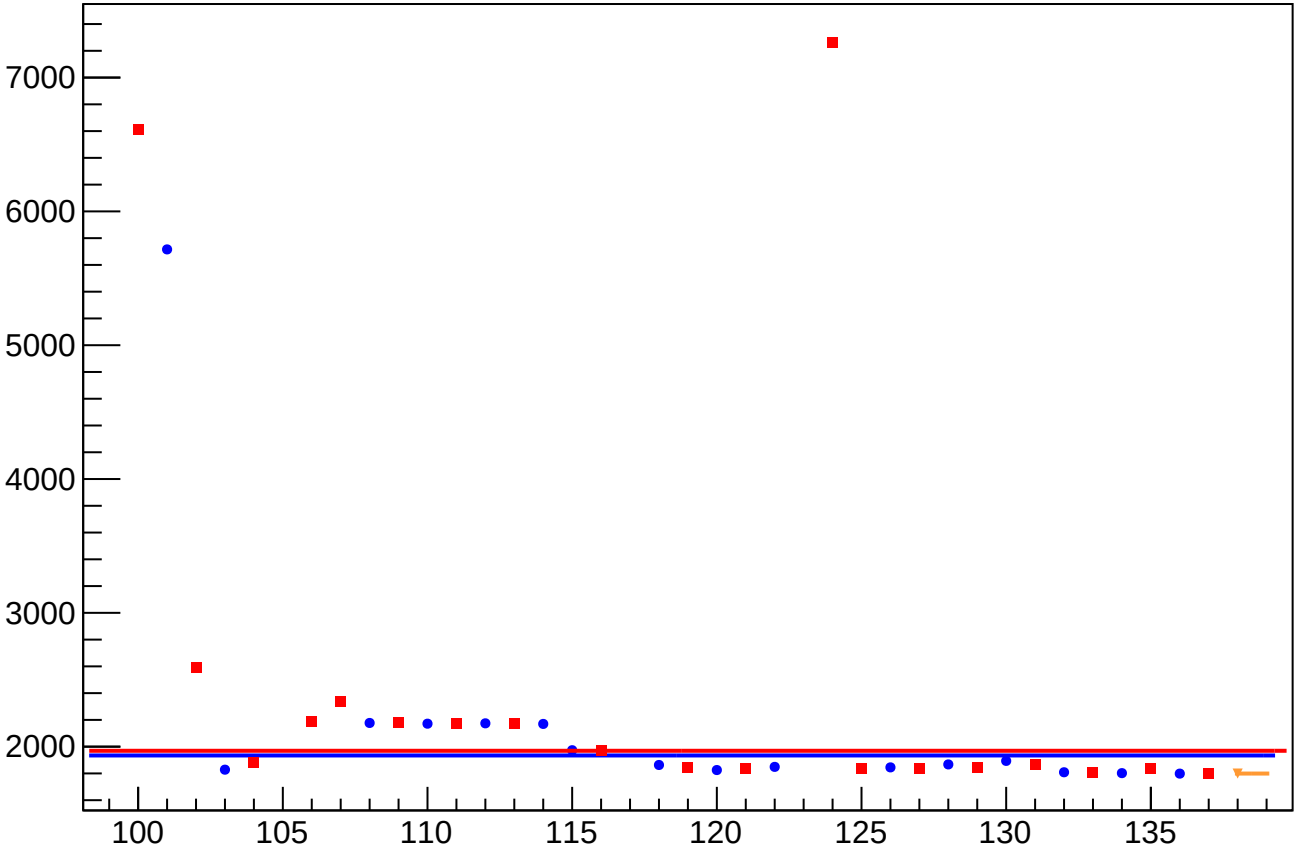
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -251.297+/-735.111 χ^2/NDF:17.3/15

Out: -264.935+/-691.746 χ^2/NDF:18.1/19

All: -258.530+/-503.772 χ^2/NDF: 35.4/35

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1799.022+/-0.440 χ^2/NDF:0.0/0

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

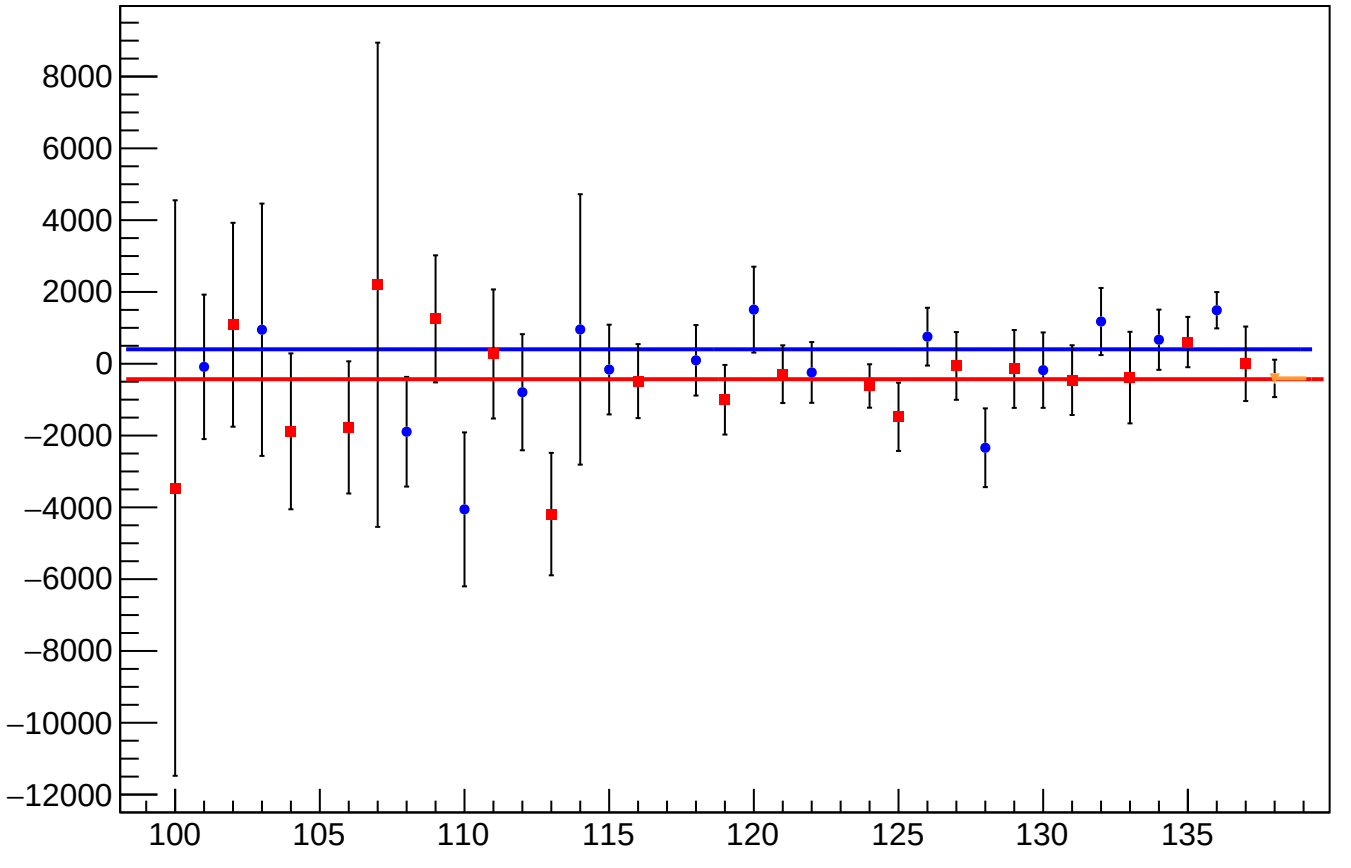
Left: 1799.022+/-1.440 χ^2/NDF: 0.0/0

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1934.217+/-0.520 χ^2/NDF:639920.0/15

Out: 1949.568+/-0.489 χ^2/NDF:390734.5/19

All: 1942.358+/-0.356 χ^2/NDF: 1031117.1/35



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: -408.032+/-520.753 χ^2/NDF:0.0/0

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

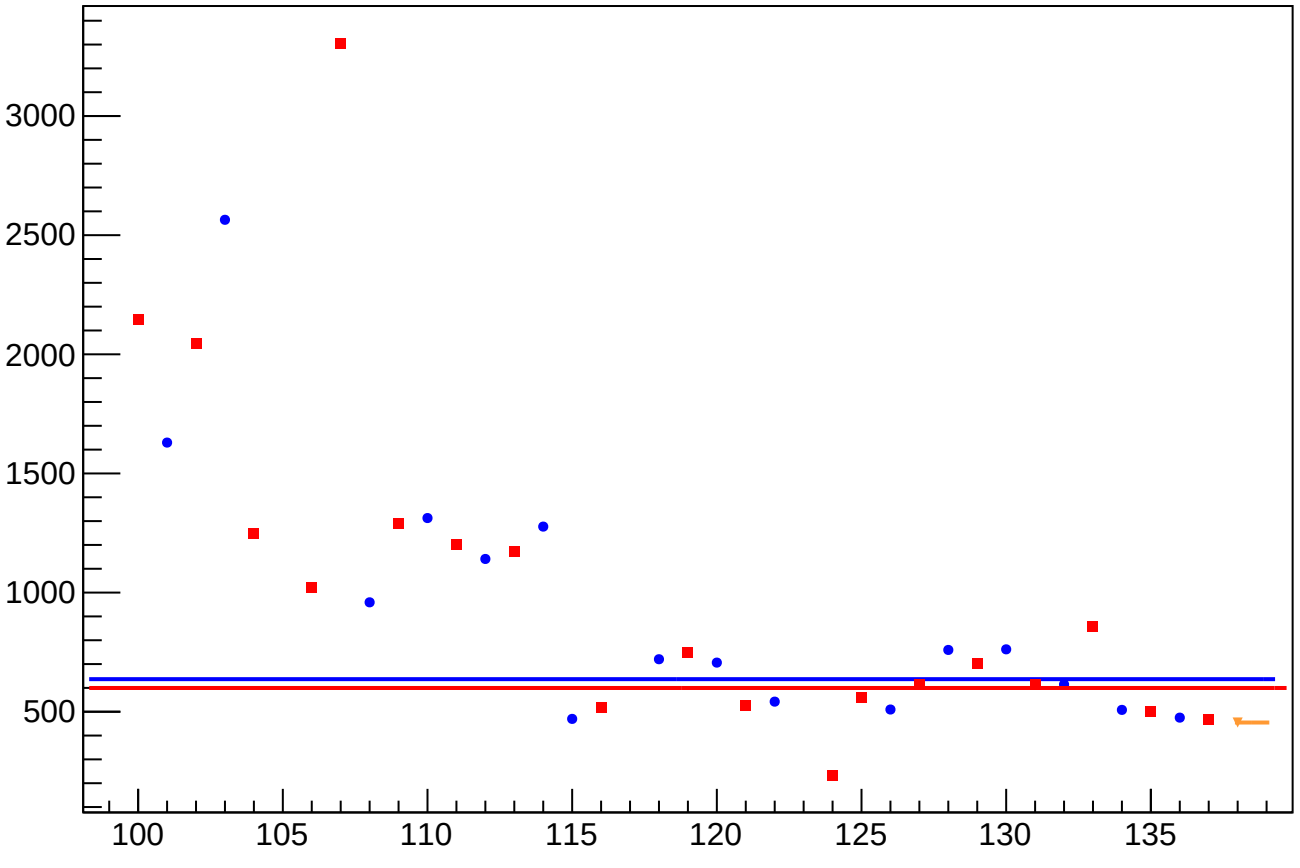
Left: -408.032+/-520.753 χ^2/NDF: 0.0/0

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 402.626+/-258.574 χ^2/NDF:21.1/15

Out: -425.863+/-227.436 χ^2/NDF:11.7/19

All: -64.482+/-170.775 χ^2/NDF: 38.7/35



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 454.709+/-0.368 χ^2/NDF:0.0/0

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

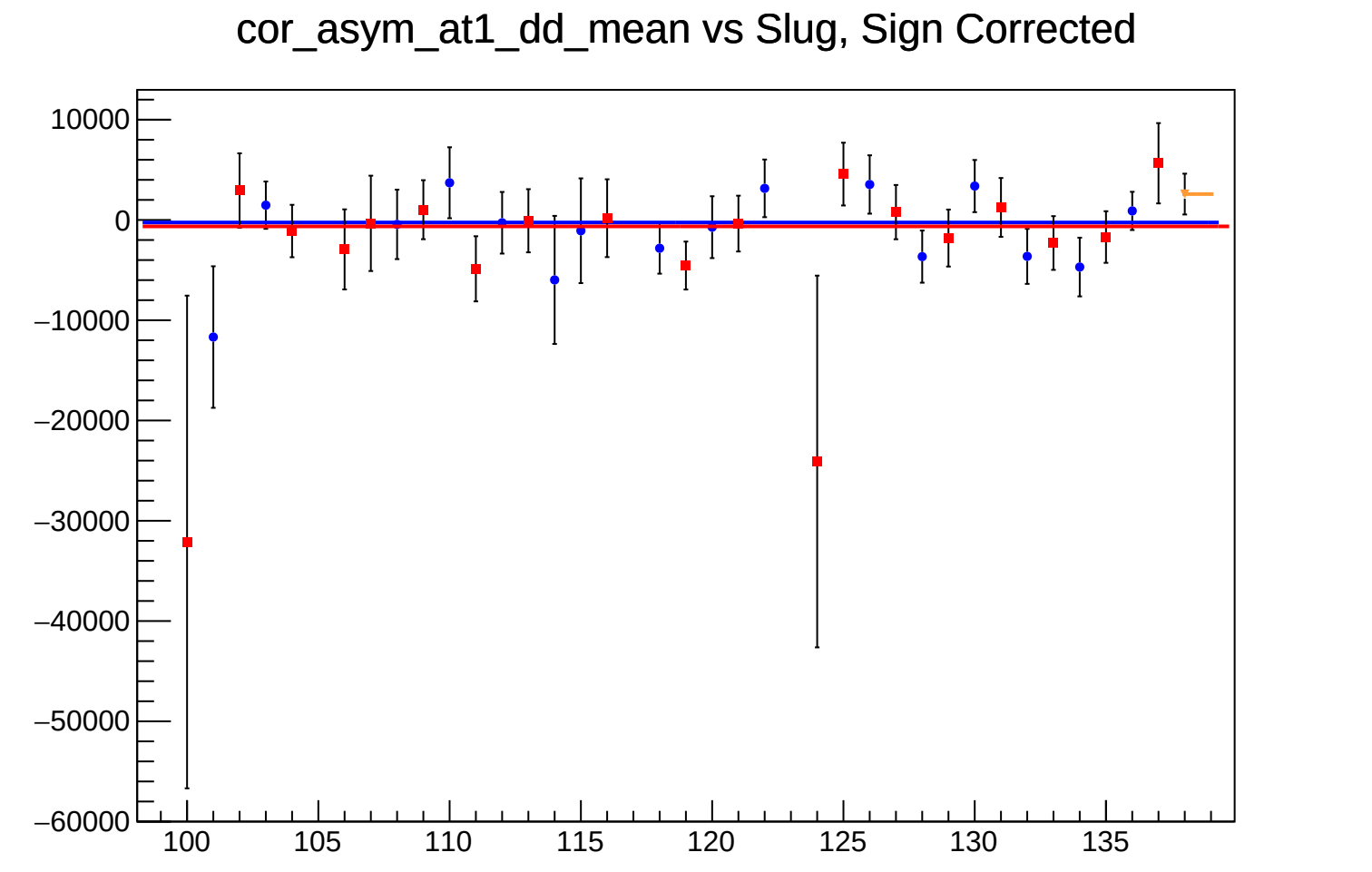
Left: 454.709+/-0.368 χ^2/NDF: 0.0/0

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 636.700+/-0.183 χ^2/NDF:2066891.4/15

Out: 571.988+/-0.161 χ^2/NDF:3069448.7/19

All: 600.215+/-0.121 χ^2/NDF: 5206965.4/35



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 2580.485+/-2036.445 χ^2/NDF:0.0/0

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2580.485+/-2036.445 χ^2/NDF: 0.0/0

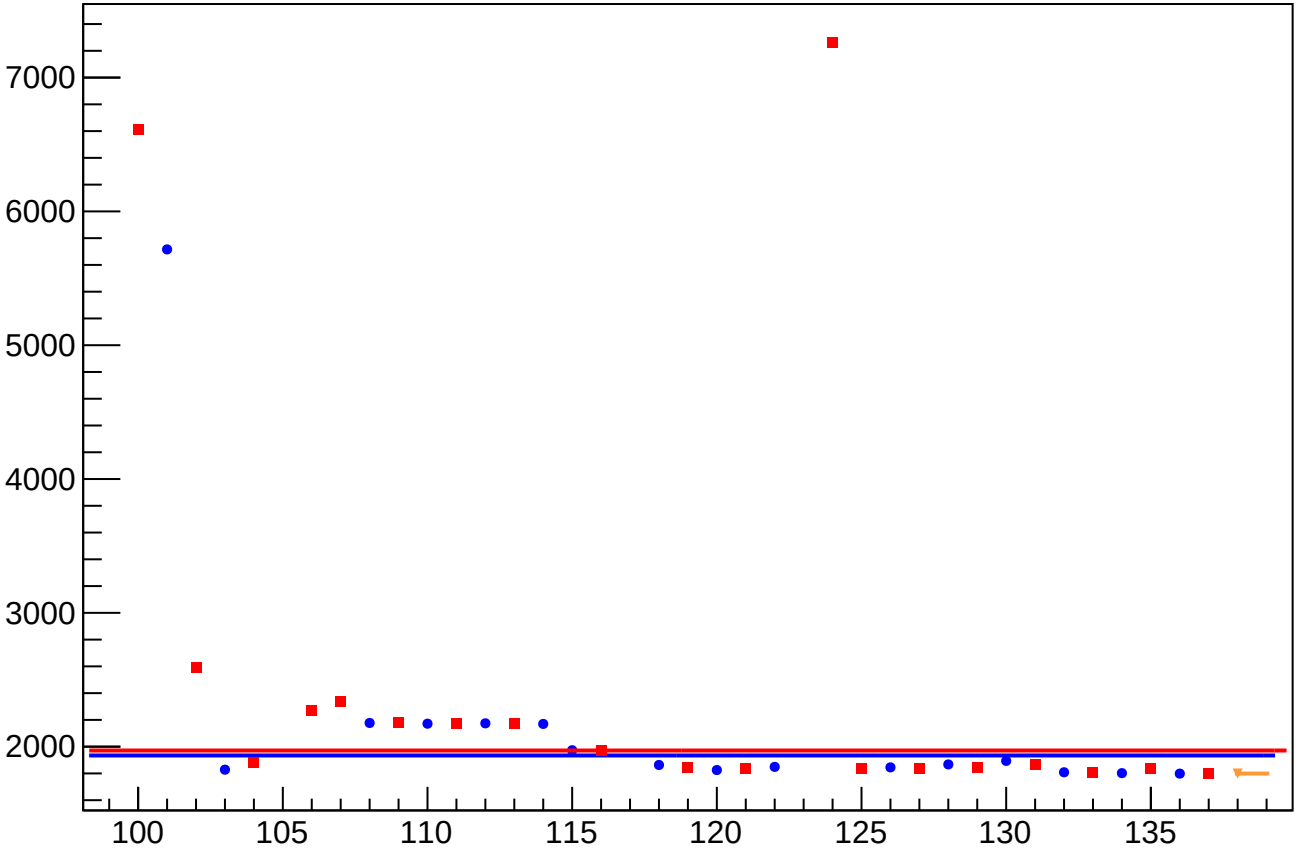
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -250.487+/-735.112 χ^2/NDF:17.2/15

Out: -268.212+/-692.637 χ^2/NDF:18.2/19

All: -259.876+/-504.116 χ^2/NDF: 35.4/35

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1799.022+/-1.440 χ^2/NDF:0.0/0

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

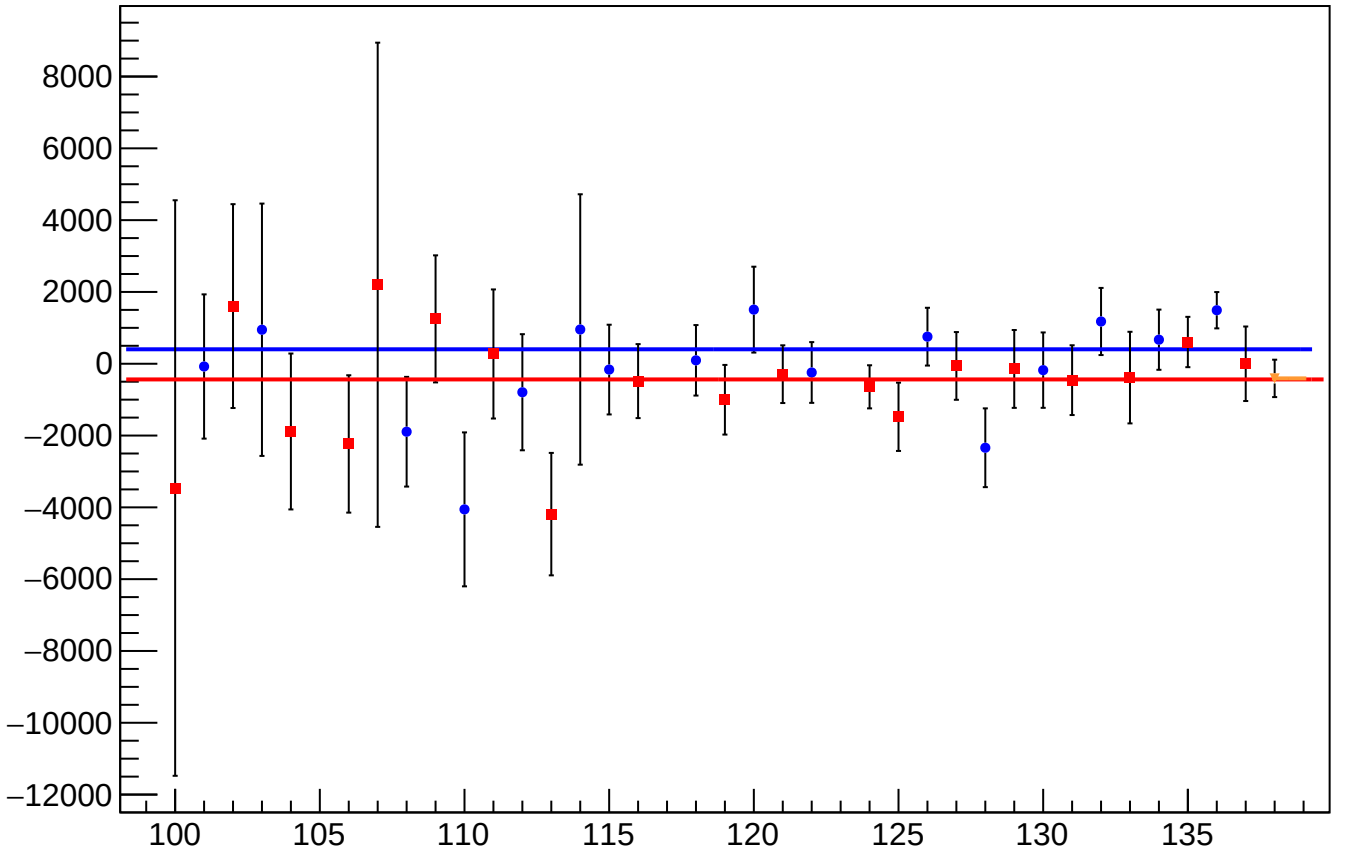
Left: 1799.022+/-1.440 χ^2/NDF: 0.0/0

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1934.217+/-0.520 χ^2/NDF:639919.9/15

Out: 1951.421+/-0.490 χ^2/NDF:395842.6/19

All: 1943.330+/-0.356 χ^2/NDF: 1036342.7/35



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: -407.962+/-520.752 χ^2/NDF:0.0/0

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

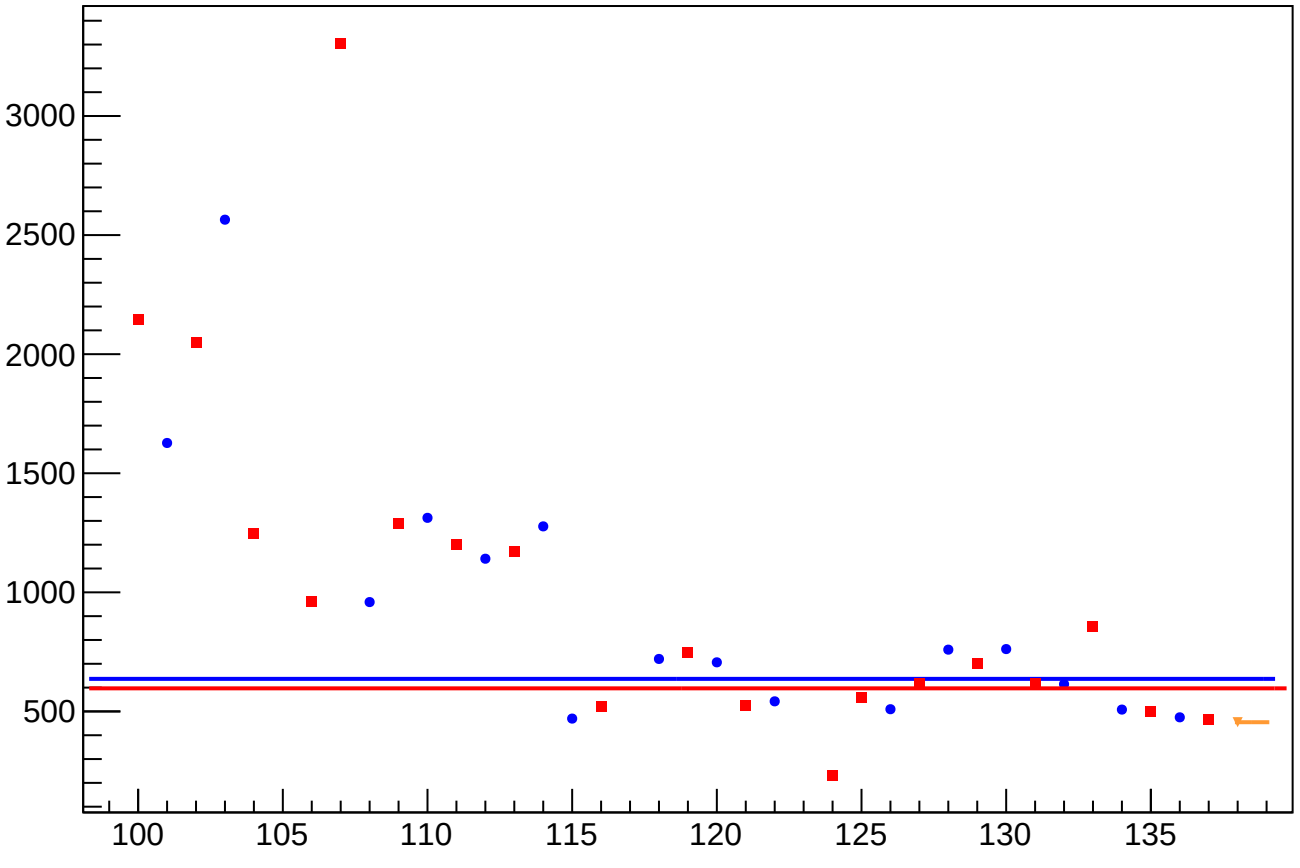
Left: -407.962+/-520.752 χ^2/NDF: 0.0/0

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 402.701+/-258.564 χ^2/NDF:21.1/15

Out: -431.217+/-227.326 χ^2/NDF:12.4/19

All: -67.649+/-170.726 χ^2/NDF: 39.4/35



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 454.706+/-0.368 χ^2/NDF:0.0/0

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

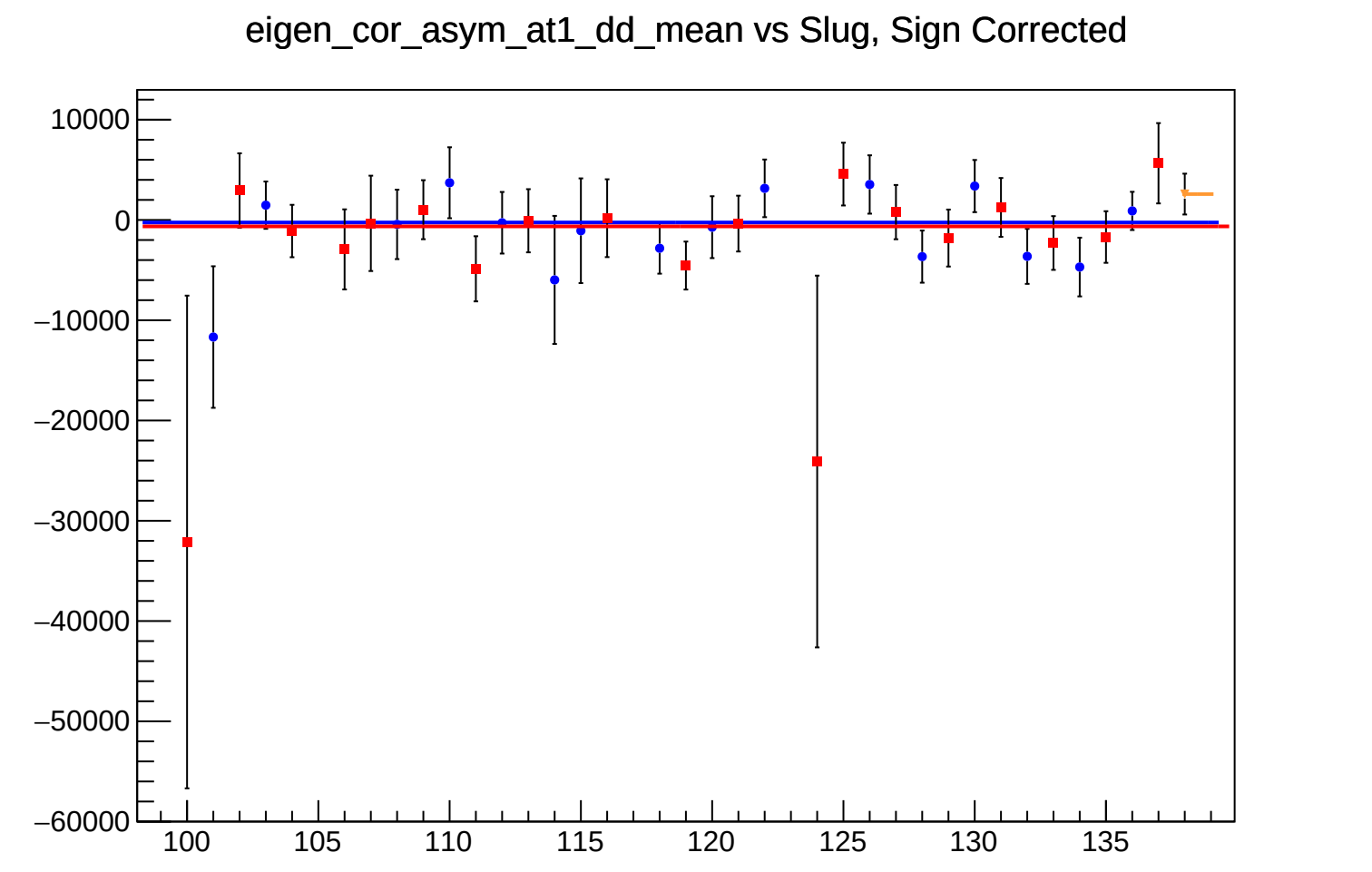
Left: 454.706+/-0.368 χ^2/NDF: 0.0/0

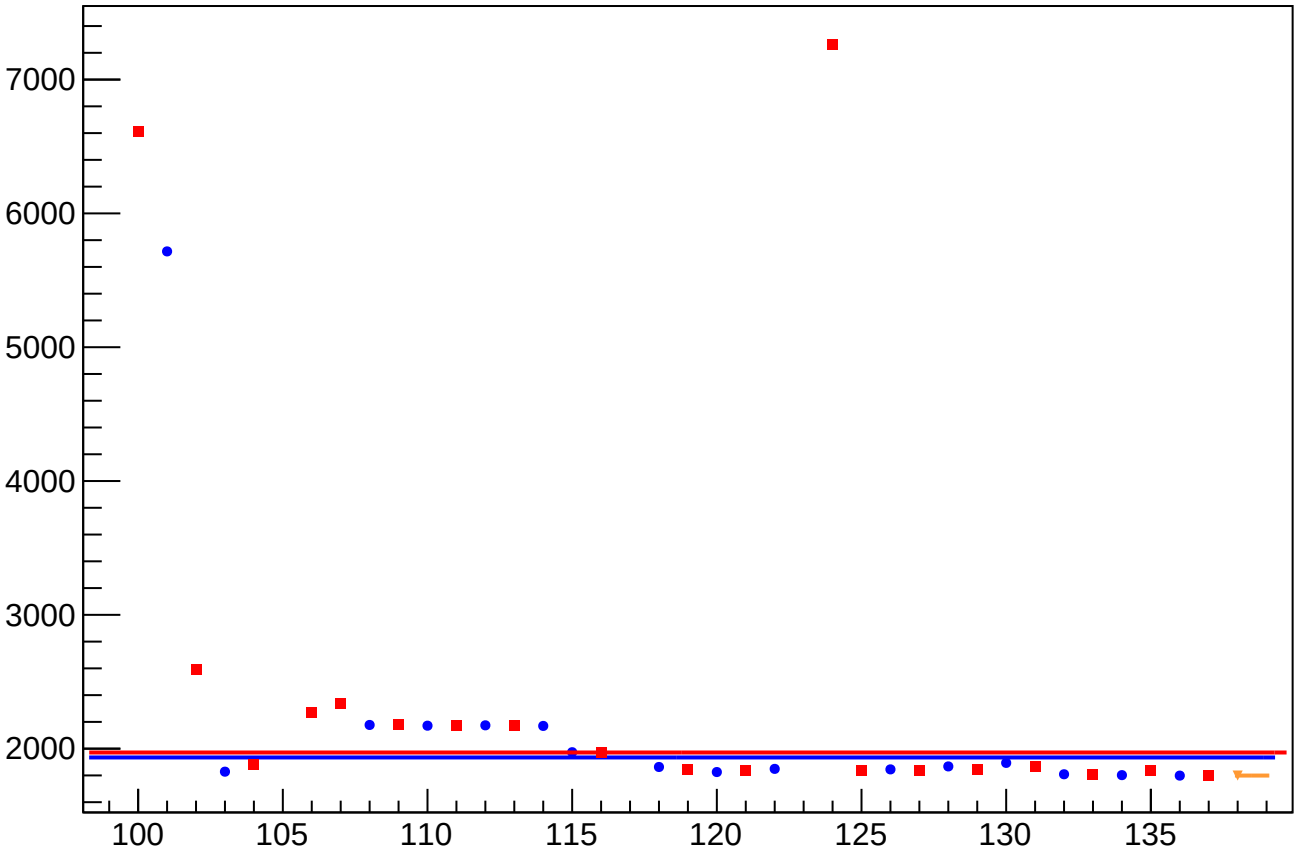
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 636.698+/-0.183 χ^2/NDF:2066022.1/15

Out: 569.772+/-0.161 χ^2/NDF:3051081.3/19

All: 598.950+/-0.121 χ^2/NDF: 5192678.7/35


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
Right In: -250.487+/-735.112 χ²/NDF: 17.2/15
Left Out: 2580.485+/-2036.445 χ²/NDF:0.0/0
Right Out: -640.865+/-736.549 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 2580.485+/-2036.445 χ²/NDF: 0.0/0
Right: -445.295+/-520.310 χ²/NDF: 33.3/34
In: -250.487+/-735.112 χ²/NDF:17.2/15
Out: -268.212+/-692.637 χ²/NDF:18.2/19
All: -259.876+/-504.116 χ²/NDF: 35.4/35



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1799.022+/-1.440 χ^2/NDF:0.0/0

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

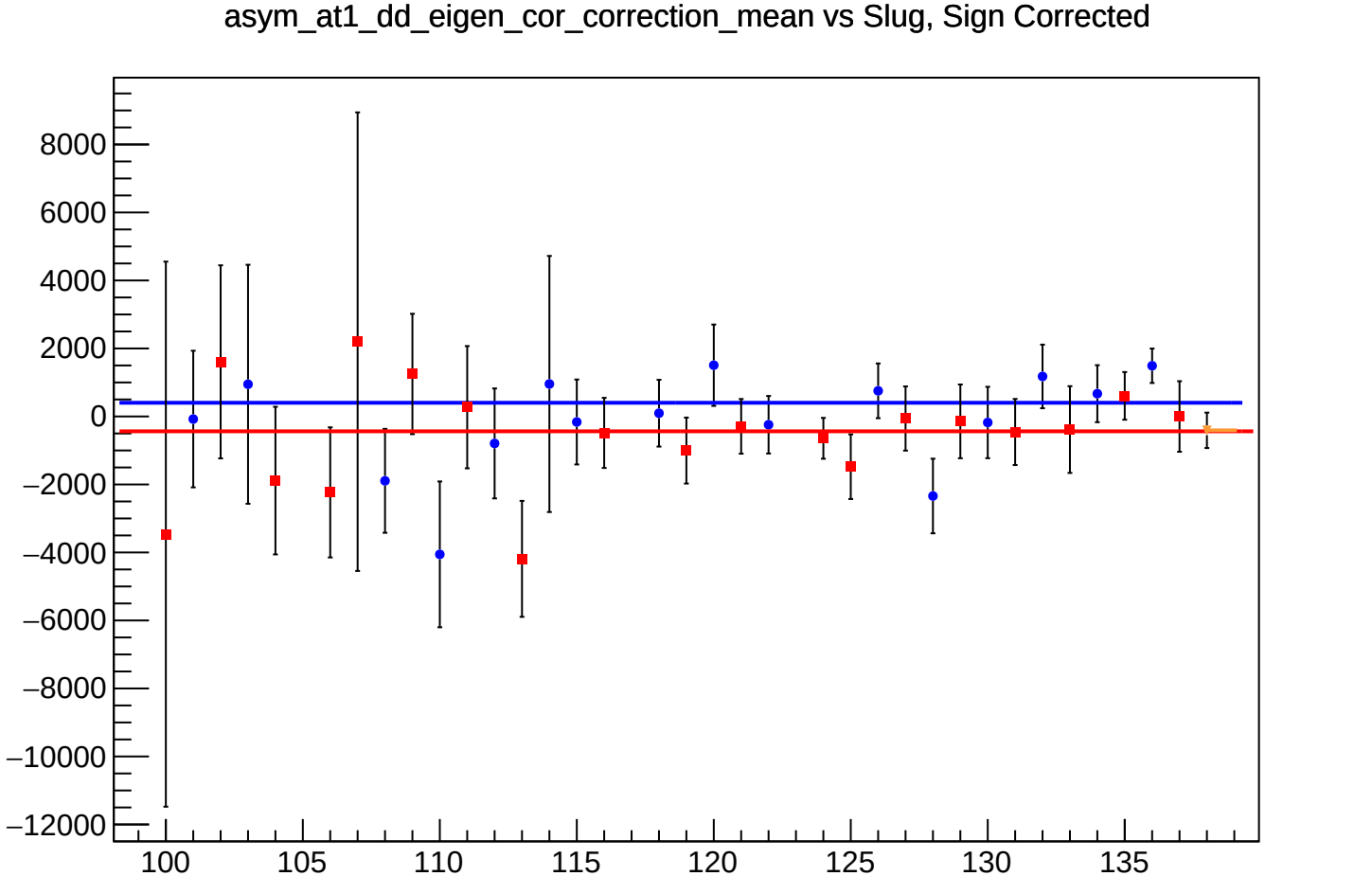
Left: 1799.022+/-1.440 χ^2/NDF: 0.0/0

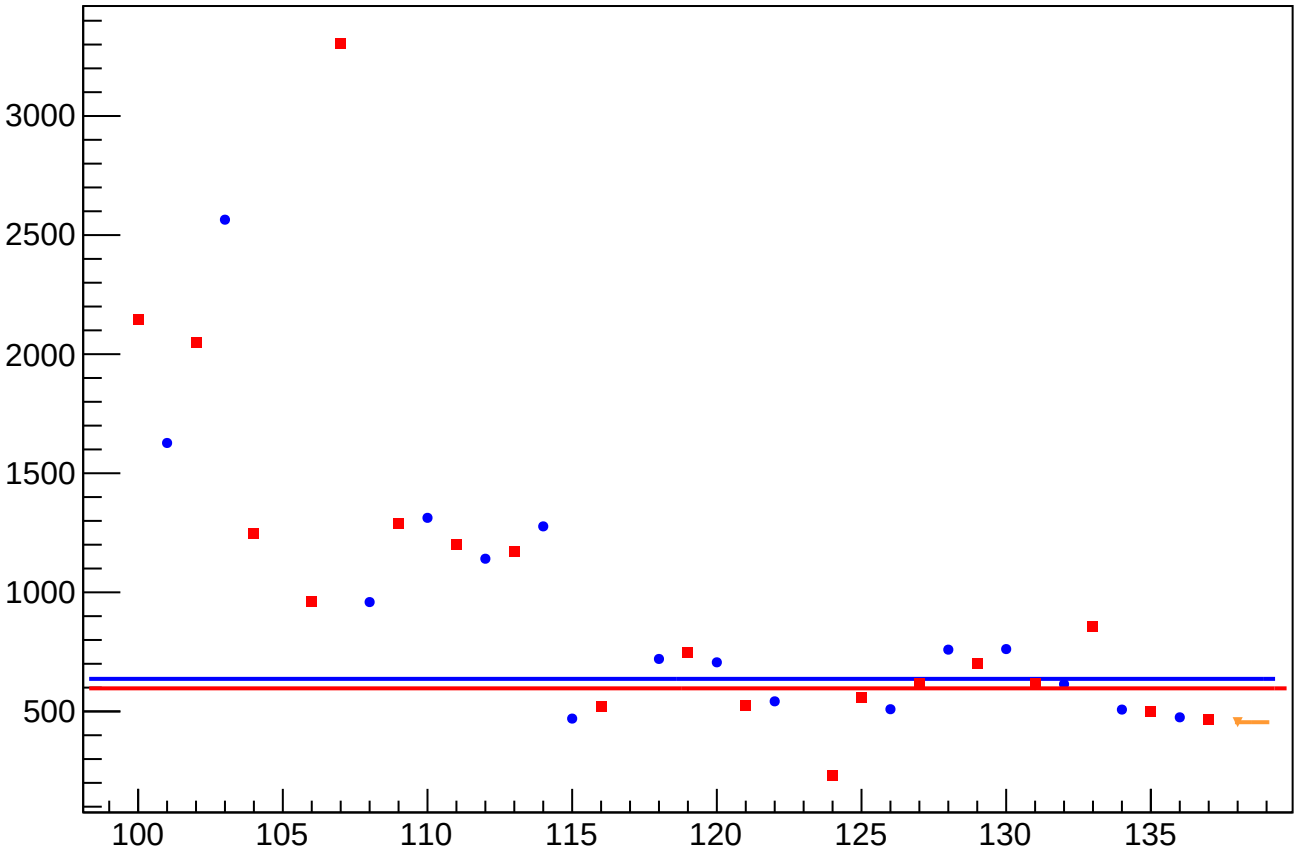
Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1934.217+/-0.520 χ^2/NDF:639919.9/15

Out: 1951.421+/-0.490 χ^2/NDF:395842.6/19

All: 1943.330+/-0.356 χ^2/NDF: 1036342.7/35


asym_at1_dd_eigen_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
Right In: 402.701+/-258.564 χ²/NDF: 21.1/15
Left Out: -407.962+/-520.752 χ²/NDF:0.0/0
Right Out: -436.691+/-252.672 χ²/NDF: 12.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -407.962+/-520.752 χ²/NDF: 0.0/0
Right: -26.666+/-180.713 χ²/NDF: 38.9/34
In: 402.701+/-258.564 χ²/NDF:21.1/15
Out: -431.217+/-227.326 χ²/NDF:12.4/19
All: -67.649+/-170.726 χ²/NDF: 39.4/35



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 454.706+/-0.368 χ^2/NDF:0.0/0

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

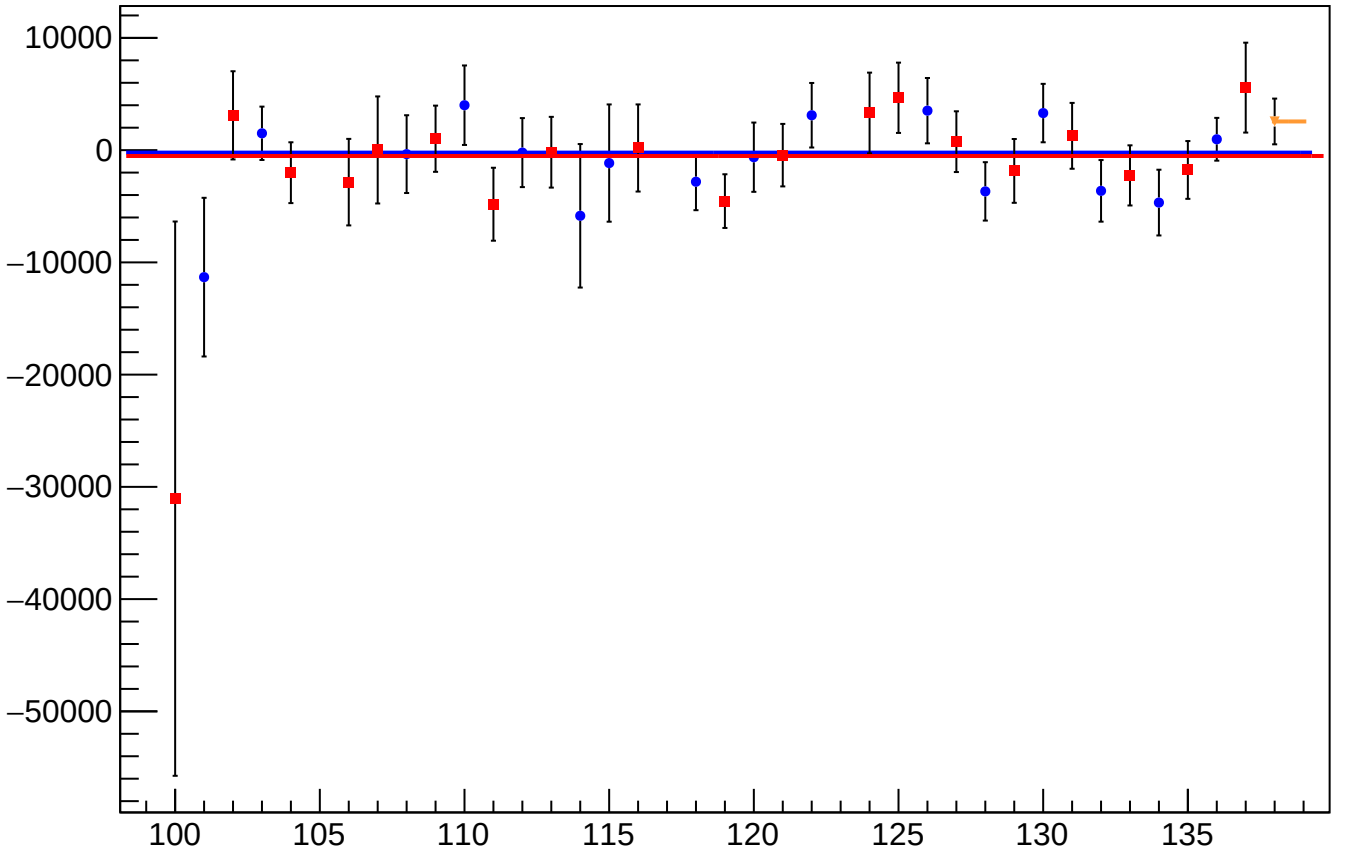
Left: 454.706+/-0.368 χ^2/NDF: 0.0/0

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 636.698+/-0.183 χ^2/NDF:2066022.1/15

Out: 569.772+/-0.161 χ^2/NDF:3051081.3/19

All: 598.950+/-0.121 χ^2/NDF: 5192678.7/35



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: 2555.421+/-2036.962 χ^2/NDF:0.0/0

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

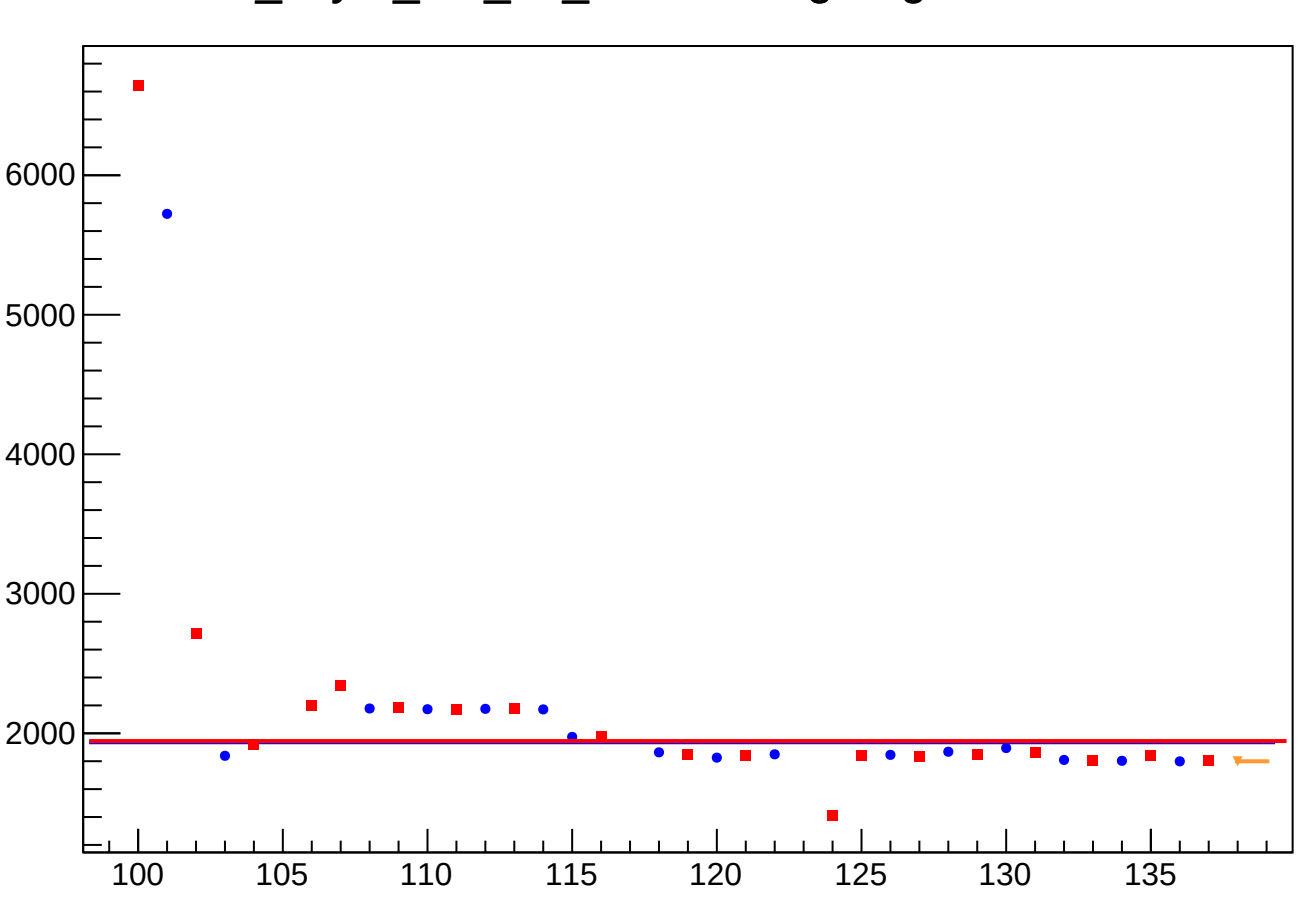
Left: 2555.421+/-2036.962 χ^2/NDF: 0.0/0

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -220.393+/-735.888 χ^2/NDF:17.1/15

Out: -174.461+/-683.010 χ^2/NDF:17.6/19

All: -195.718+/-500.612 χ^2/NDF: 34.7/35



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1799.479+/-1.440 χ^2/NDF:0.0/0

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

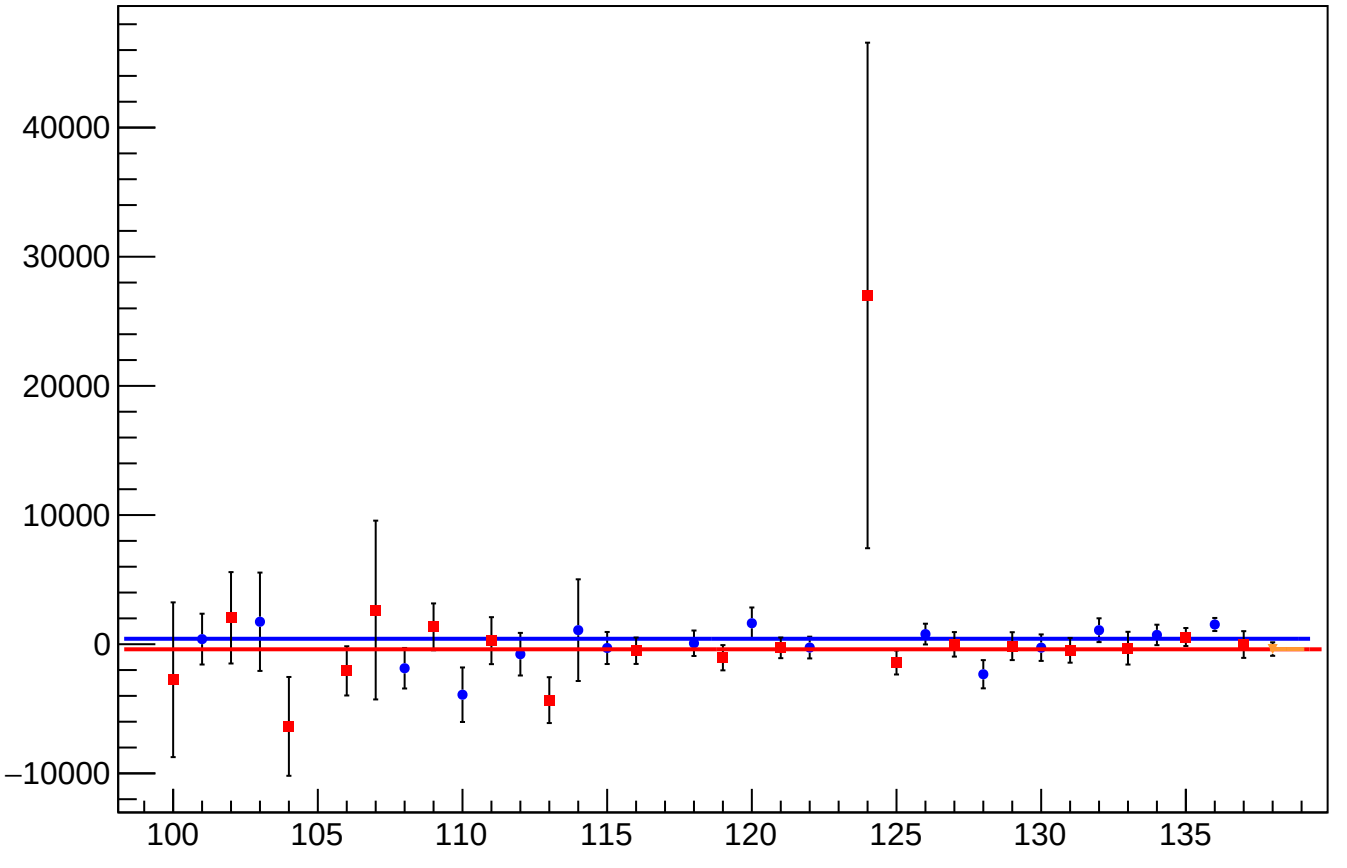
Left: 1799.479+/-1.440 χ^2/NDF: 0.0/0

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1935.974+/-0.520 χ^2/NDF:639808.0/15

Out: 1928.190+/-0.483 χ^2/NDF:285220.6/19

All: 1931.793+/-0.354 χ^2/NDF: 925148.7/35



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: -375.899+/-523.417 χ^2/NDF:0.0/0

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

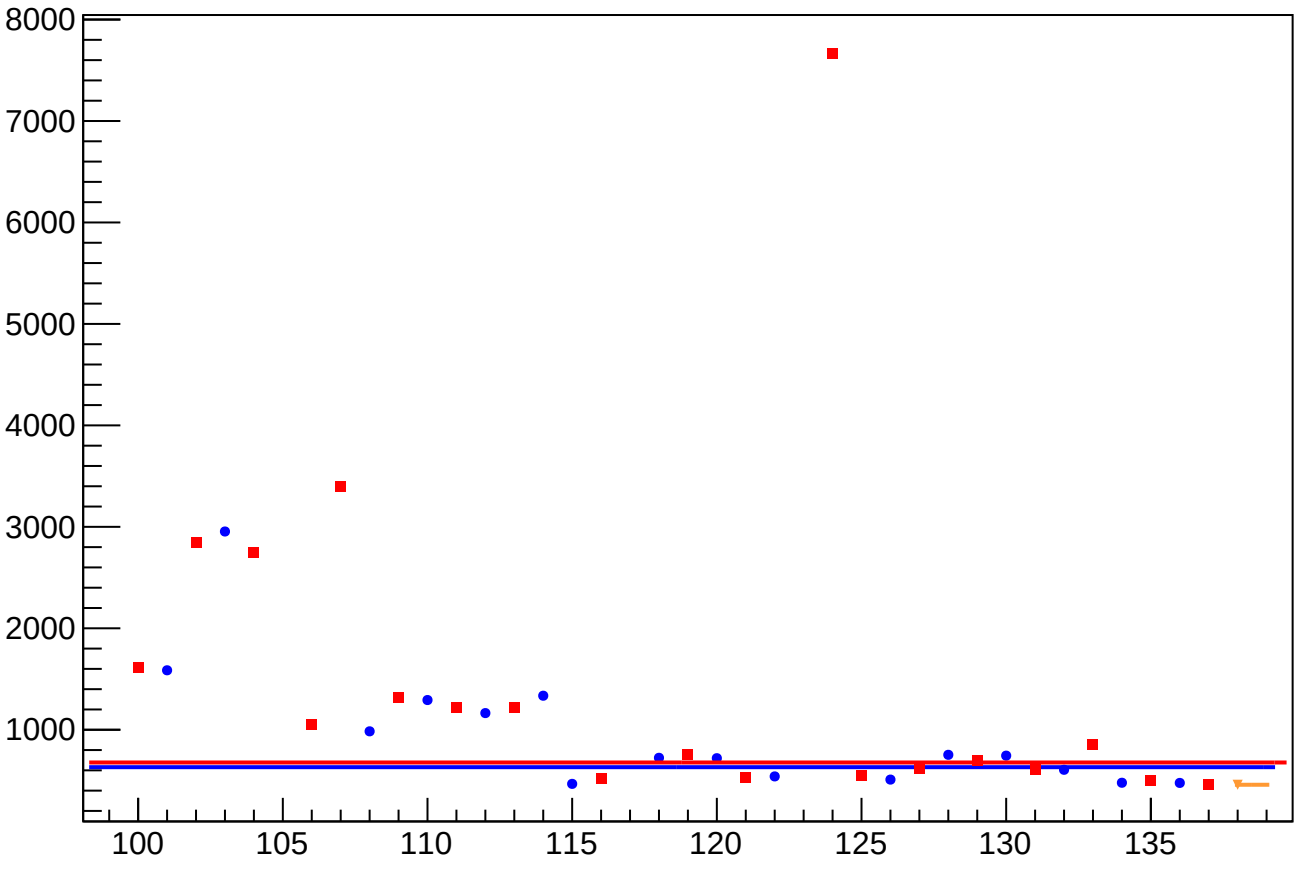
Left: -375.899+/-523.417 χ^2/NDF: 0.0/0

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 421.145+/-256.749 χ^2/NDF:21.5/15

Out: -389.664+/-246.593 χ^2/NDF:15.9/19

All: -0.613+/-177.850 χ^2/NDF: 42.5/35



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 457.867+/-0.370 χ^2/NDF:0.0/0

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

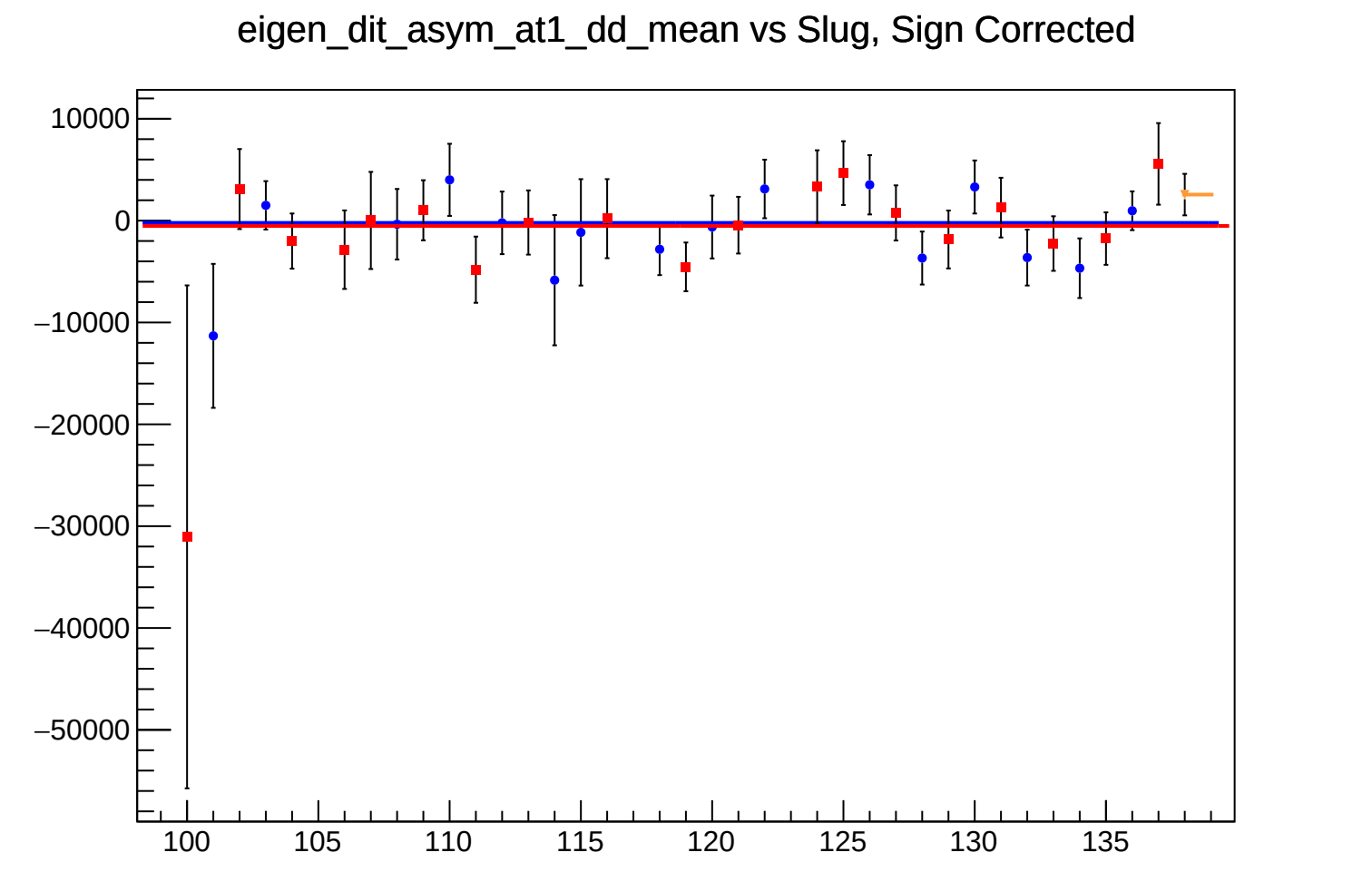
Left: 457.867+/-0.370 χ^2/NDF: 0.0/0

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 631.140+/-0.182 χ^2/NDF:2234480.1/15

Out: 628.703+/-0.174 χ^2/NDF:3355404.1/19

All: 629.872+/-0.126 χ^2/NDF: 5589977.9/35



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: 2555.424+/-2036.962 χ^2/NDF:0.0/0

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

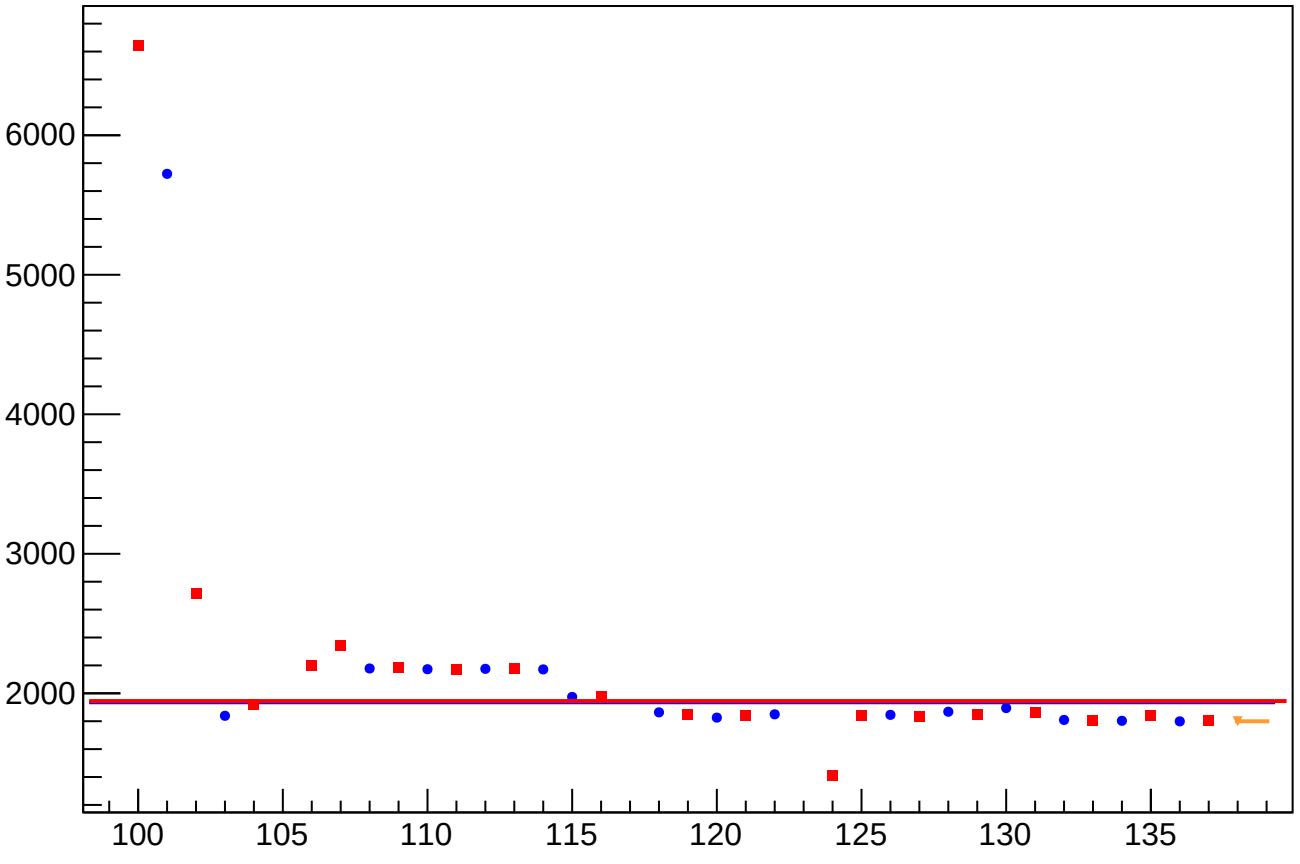
Left: 2555.424+/-2036.962 χ^2/NDF: 0.0/0

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -220.393+/-735.888 χ^2/NDF:17.1/15

Out: -174.461+/-683.010 χ^2/NDF:17.6/19

All: -195.718+/-500.612 χ^2/NDF: 34.7/35



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1799.479+/-1.440 χ^2/NDF:0.0/0

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

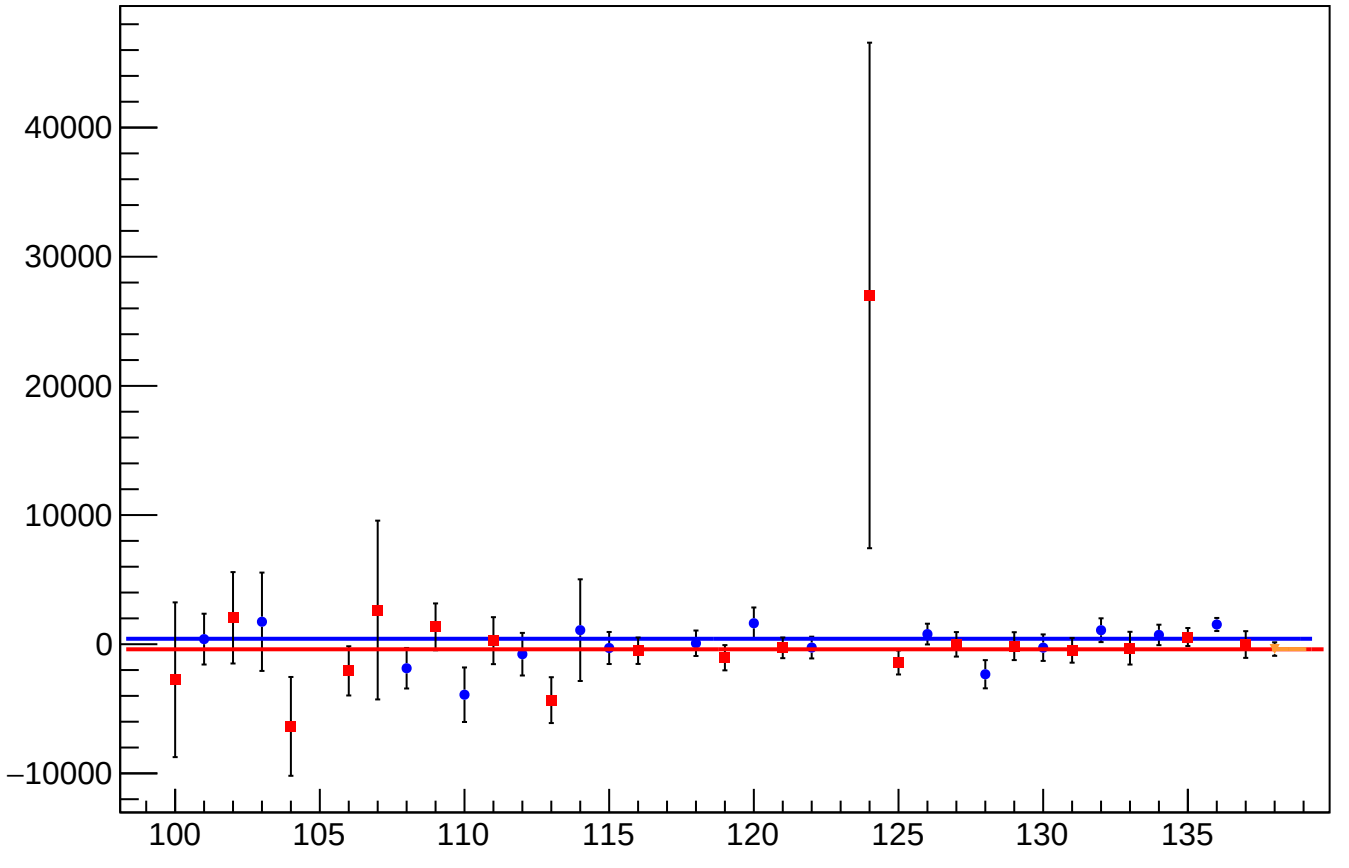
Left: 1799.479+/-1.440 χ^2/NDF: 0.0/0

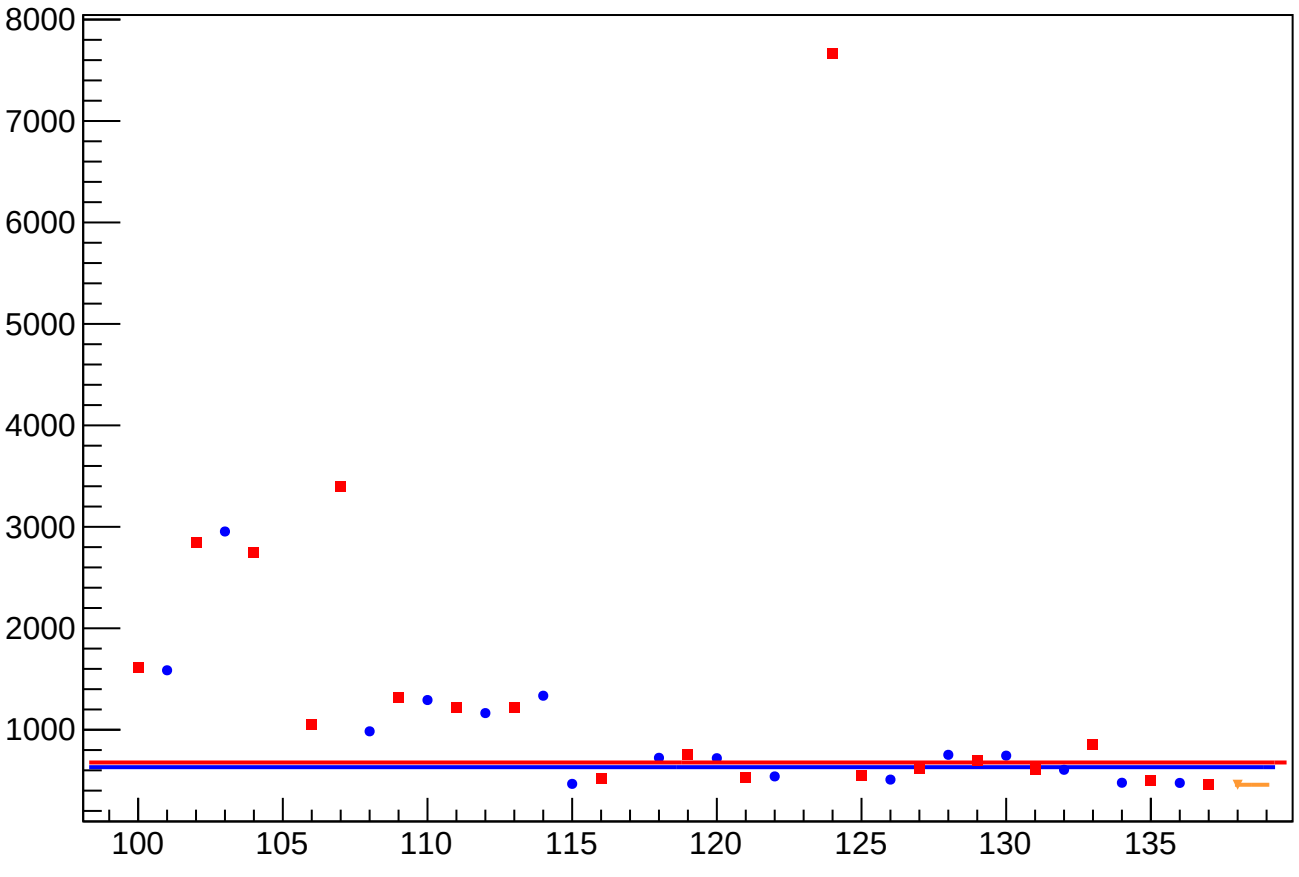
Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1935.974+/-0.520 χ^2/NDF:639808.0/15

Out: 1928.190+/-0.483 χ^2/NDF:285220.4/19

All: 1931.793+/-0.354 χ^2/NDF: 925148.6/35


asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
Right In: 421.144+/-256.749 χ²/NDF: 21.5/15
Left Out: -375.897+/-523.416 χ²/NDF:0.0/0
Right Out: -393.591+/-279.562 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -375.897+/-523.416 χ²/NDF: 0.0/0
Right: 48.371+/-189.101 χ²/NDF: 41.9/34
In: 421.144+/-256.749 χ²/NDF:21.5/15
Out: -389.663+/-246.593 χ²/NDF:15.9/19
All: -0.613+/-177.850 χ²/NDF: 42.5/35



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 457.865+/-0.370 χ^2/NDF:0.0/0

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 457.865+/-0.370 χ^2/NDF: 0.0/0

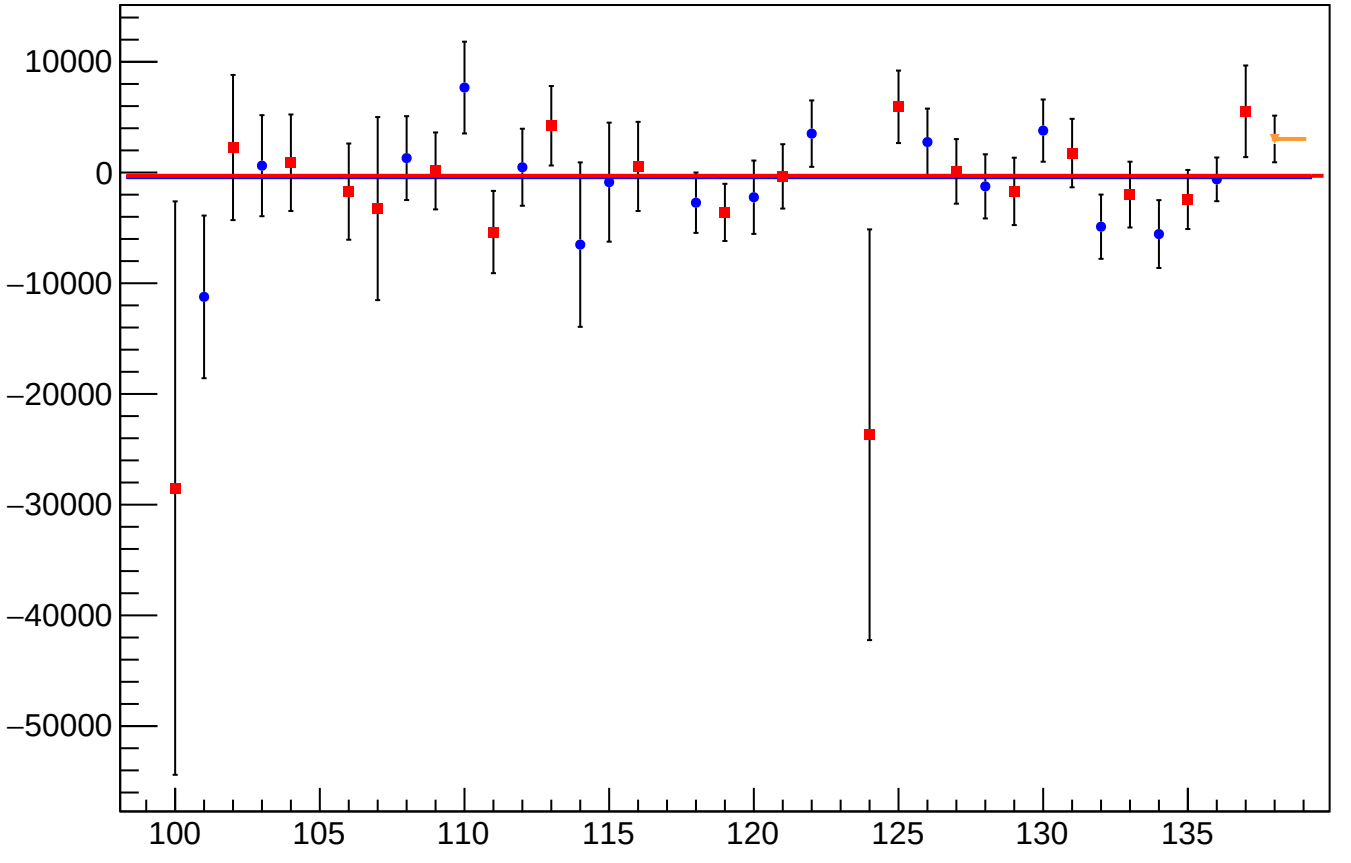
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 631.139+/-0.182 χ^2/NDF:2234479.1/15

Out: 628.702+/-0.174 χ^2/NDF:3355408.9/19

All: 629.872+/-0.126 χ^2/NDF: 5589981.7/35

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: 3032.371+/-2107.376 χ^2/NDF:0.0/0

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3032.371+/-2107.376 χ^2/NDF: 0.0/0

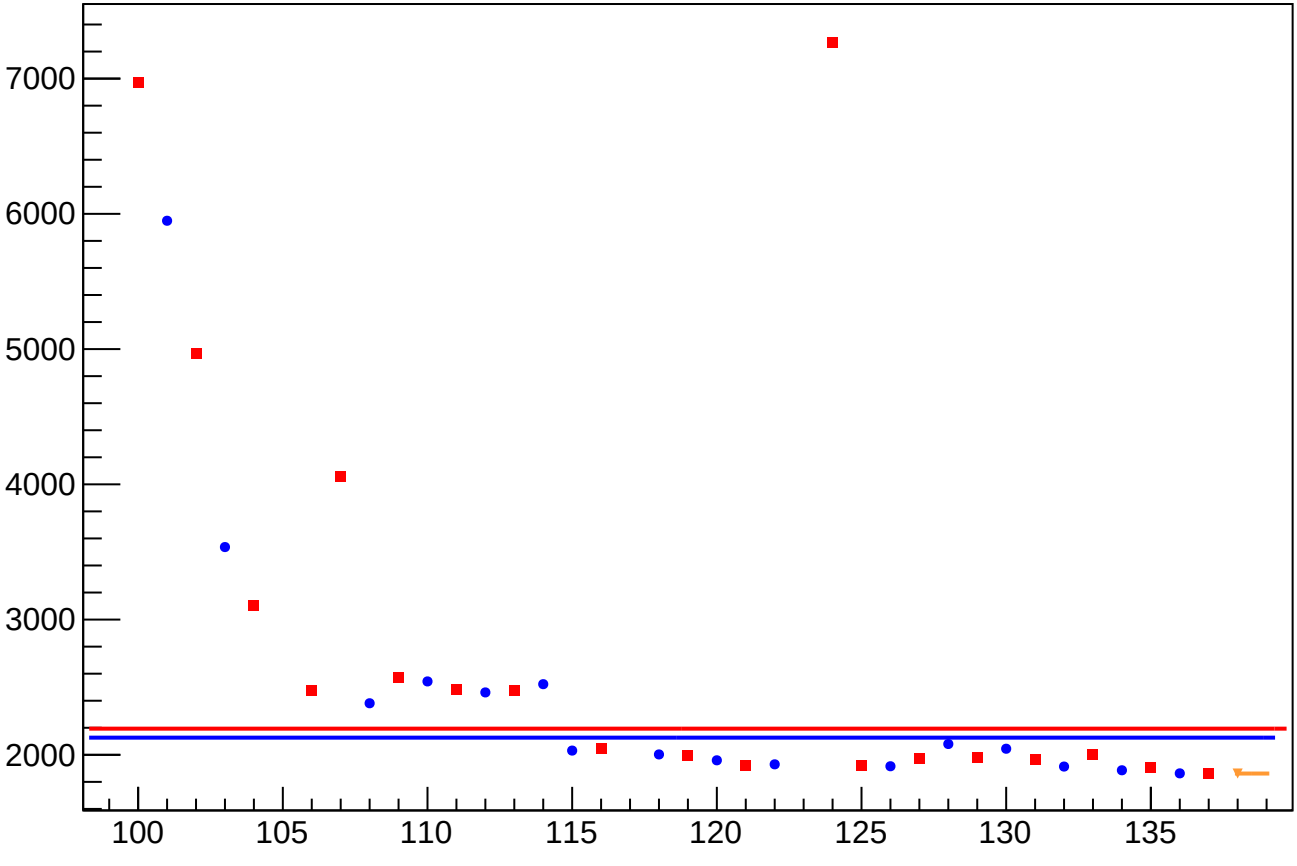
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -417.662+/-815.370 χ^2/NDF:18.3/15

Out: 153.744+/-773.557 χ^2/NDF:17.8/19

All: -116.933+/-561.187 χ^2/NDF: 36.4/35

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1861.642+/-1.490 χ^2/NDF:0.0/0

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

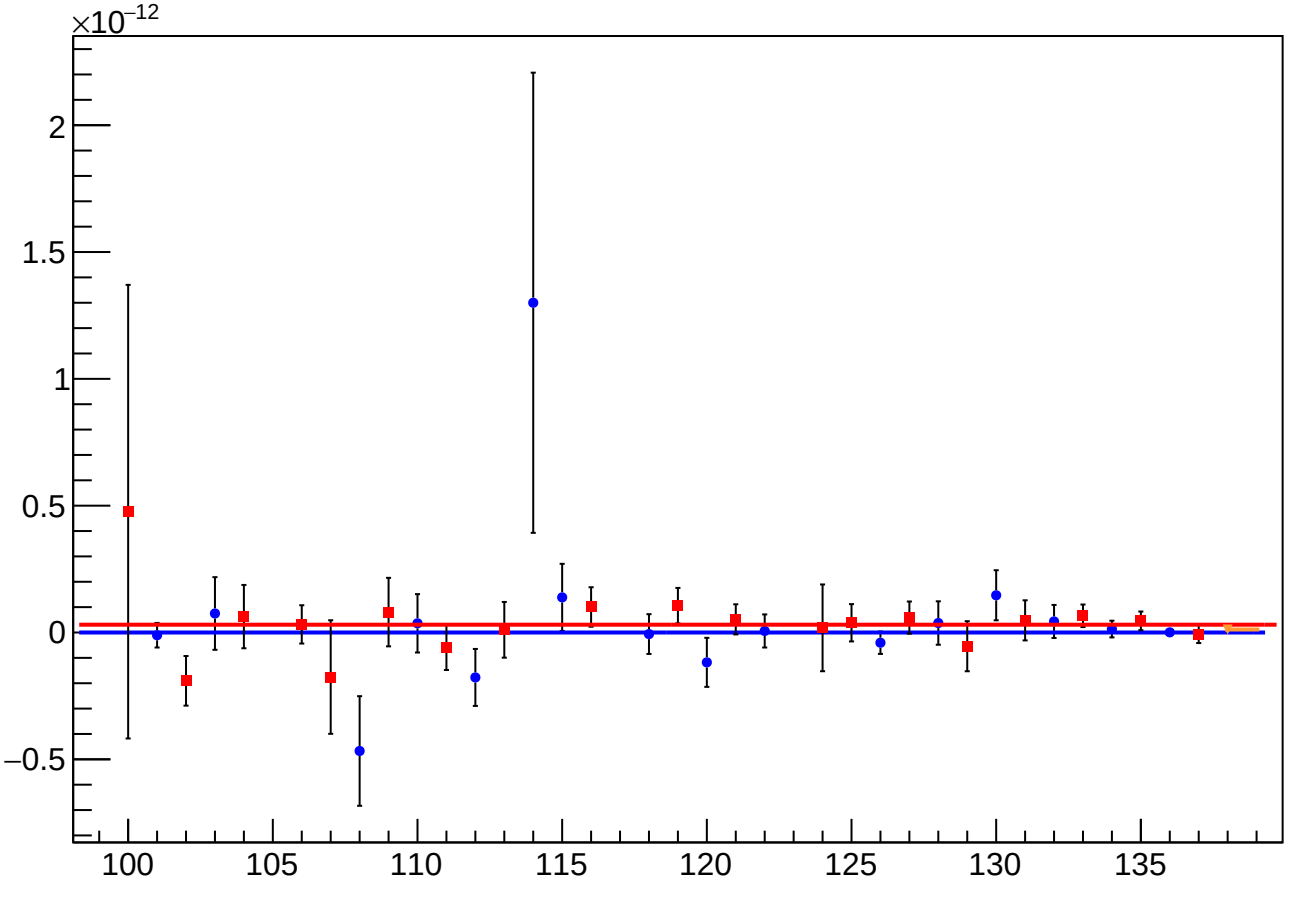
Left: 1861.642+/-1.490 χ^2/NDF: 0.0/0

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 2127.041+/-0.577 χ^2/NDF:875078.1/15

Out: 2148.837+/-0.547 χ^2/NDF:985510.5/19

All: 2138.512+/-0.397 χ^2/NDF: 1861340.7/35



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

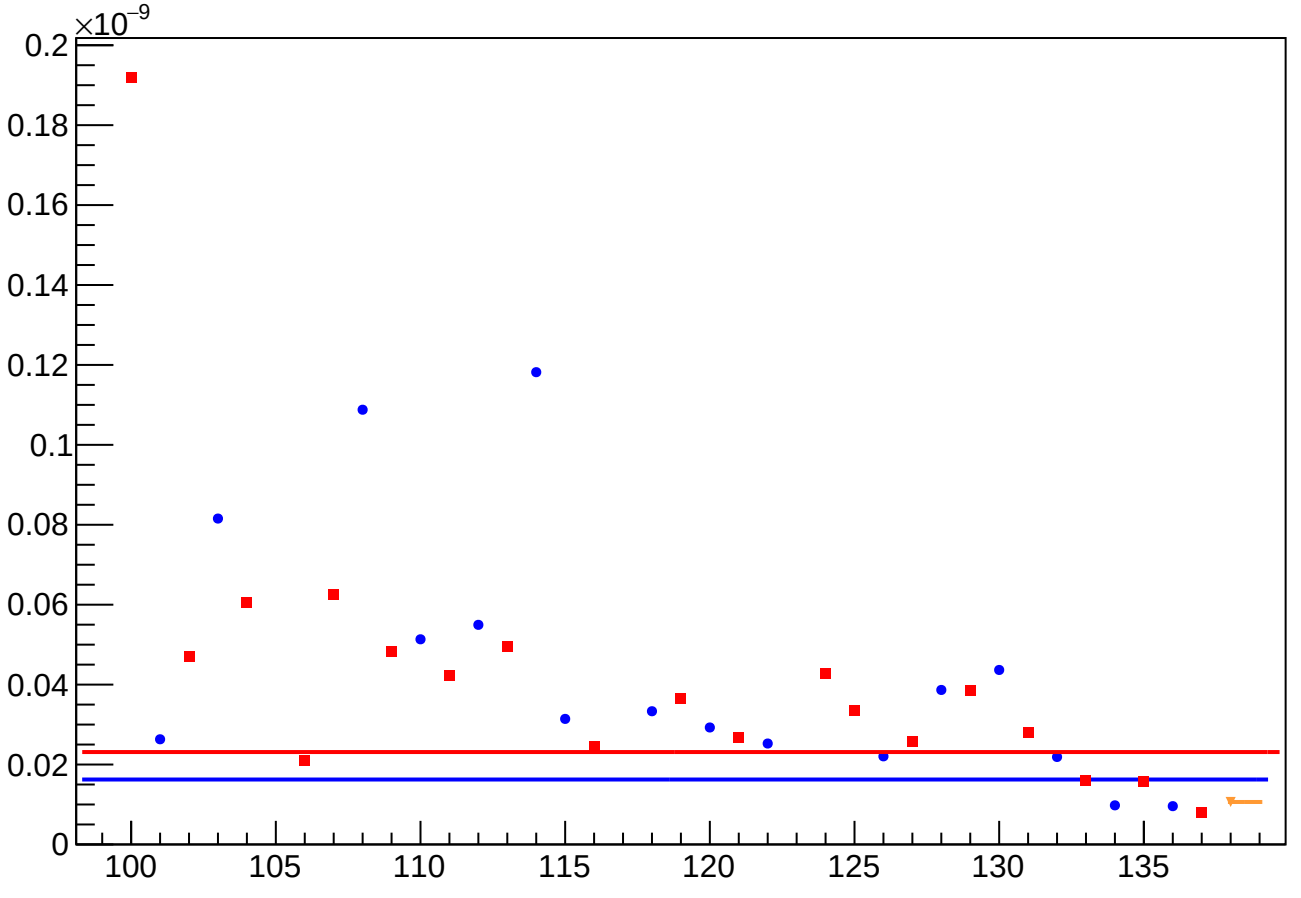
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:16.1/15

Out: 0.000+/-0.000 χ^2/NDF:13.1/19

All: 0.000+/-0.000 χ^2/NDF: 30.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

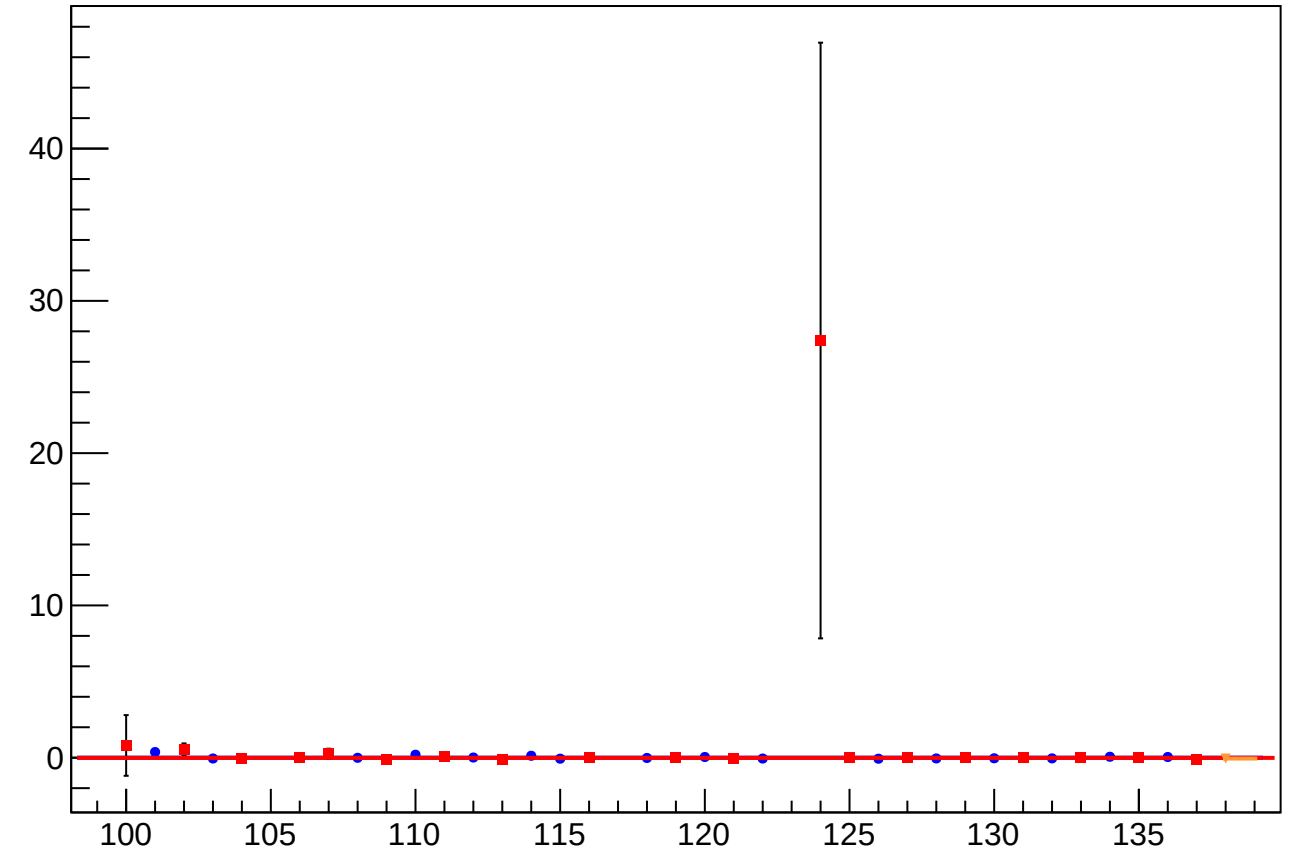
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:2286703.8/15

Out: 0.000+/-0.000 χ^2/NDF:1996190.8/19

All: 0.000+/-0.000 χ^2/NDF: 4291722.5/35



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.057+/-0.037 χ^2/NDF:0.0/0

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

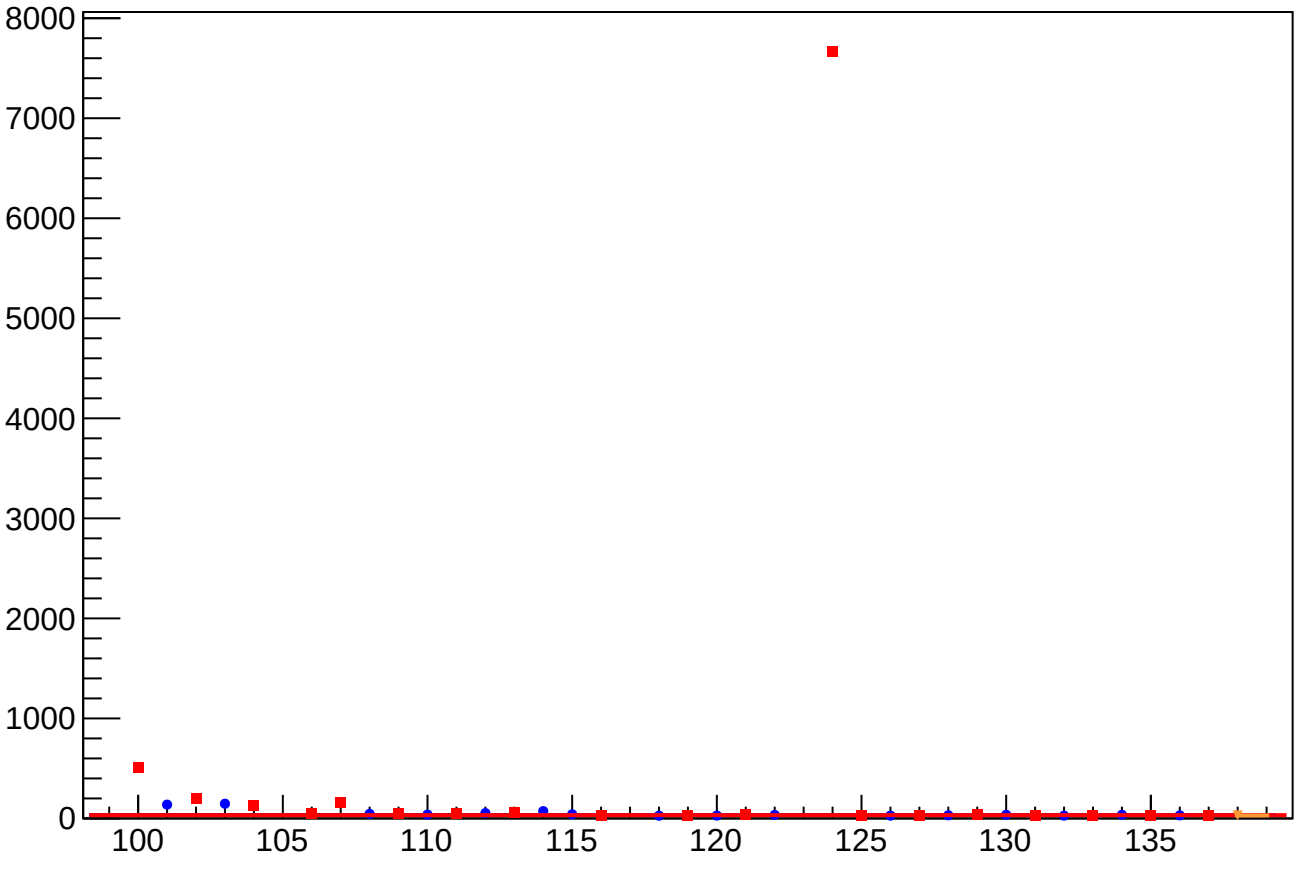
Left: -0.057+/-0.037 χ^2/NDF: 0.0/0

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.002+/-0.015 χ^2/NDF:21.0/15

Out: -0.018+/-0.014 χ^2/NDF:15.5/19

All: -0.009+/-0.010 χ^2/NDF: 37.5/35



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 30.278+/-0.026 χ^2/NDF:0.0/0

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 30.278+/-0.026 χ^2/NDF: 0.0/0

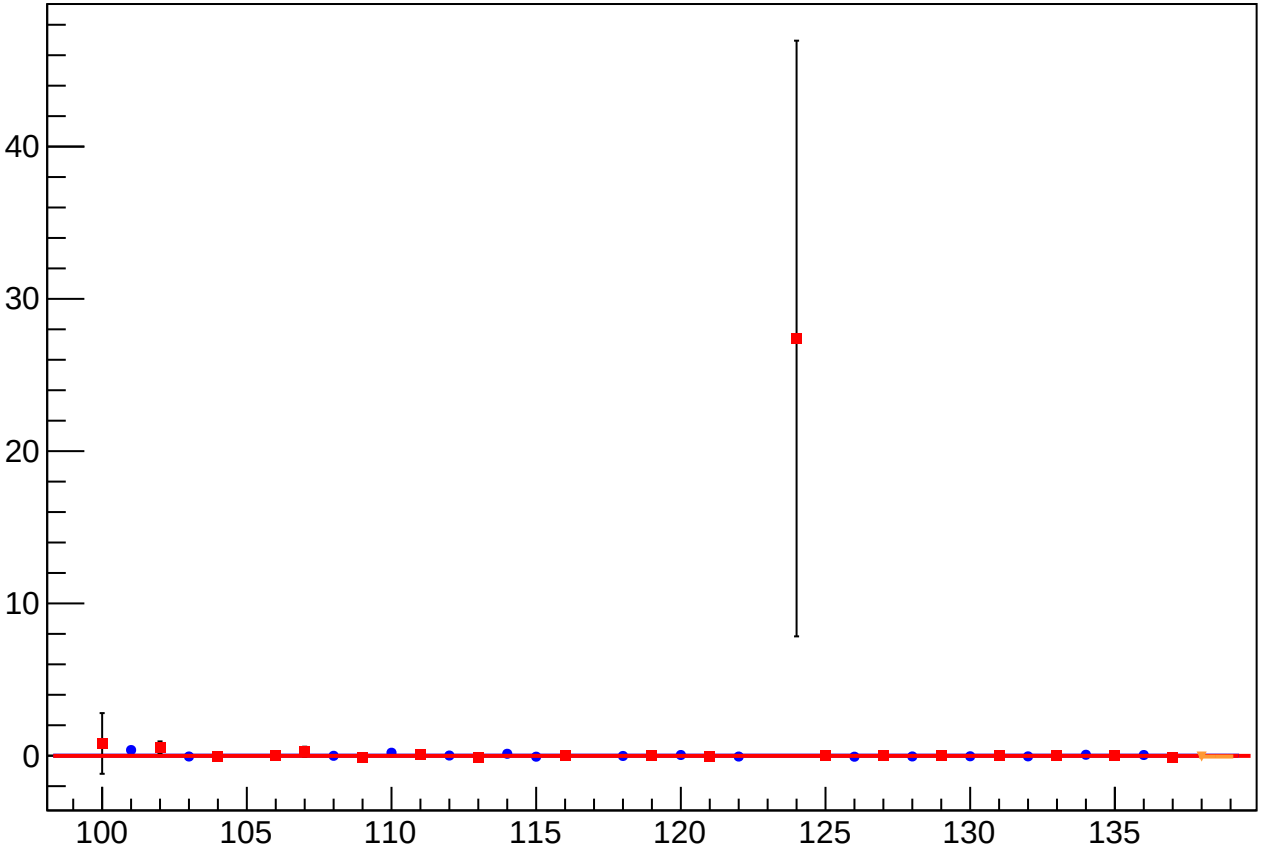
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.055+/-0.010 χ^2/NDF:1717266.1/15

Out: 32.688+/-0.010 χ^2/NDF:2085162.9/19

All: 33.325+/-0.007 χ^2/NDF: 3811599.1/35

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: -0.057+/-0.037 χ^2/NDF:0.0/0

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

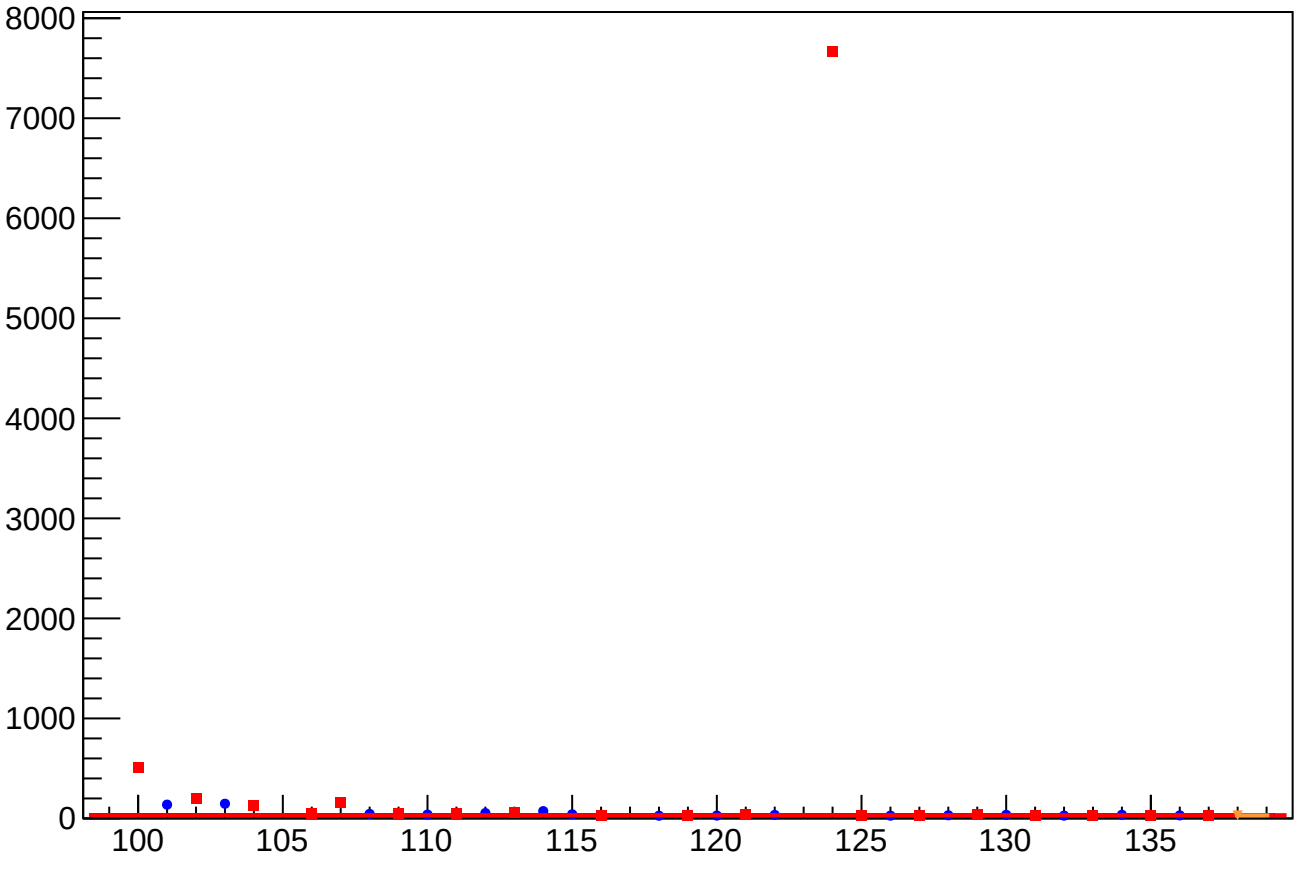
Left: -0.057+/-0.037 χ^2/NDF: 0.0/0

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.002+/-0.015 χ^2/NDF:21.0/15

Out: -0.018+/-0.014 χ^2/NDF:15.5/19

All: -0.009+/-0.010 χ^2/NDF: 37.5/35



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 30.278+/-0.026 χ^2/NDF:0.0/0

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

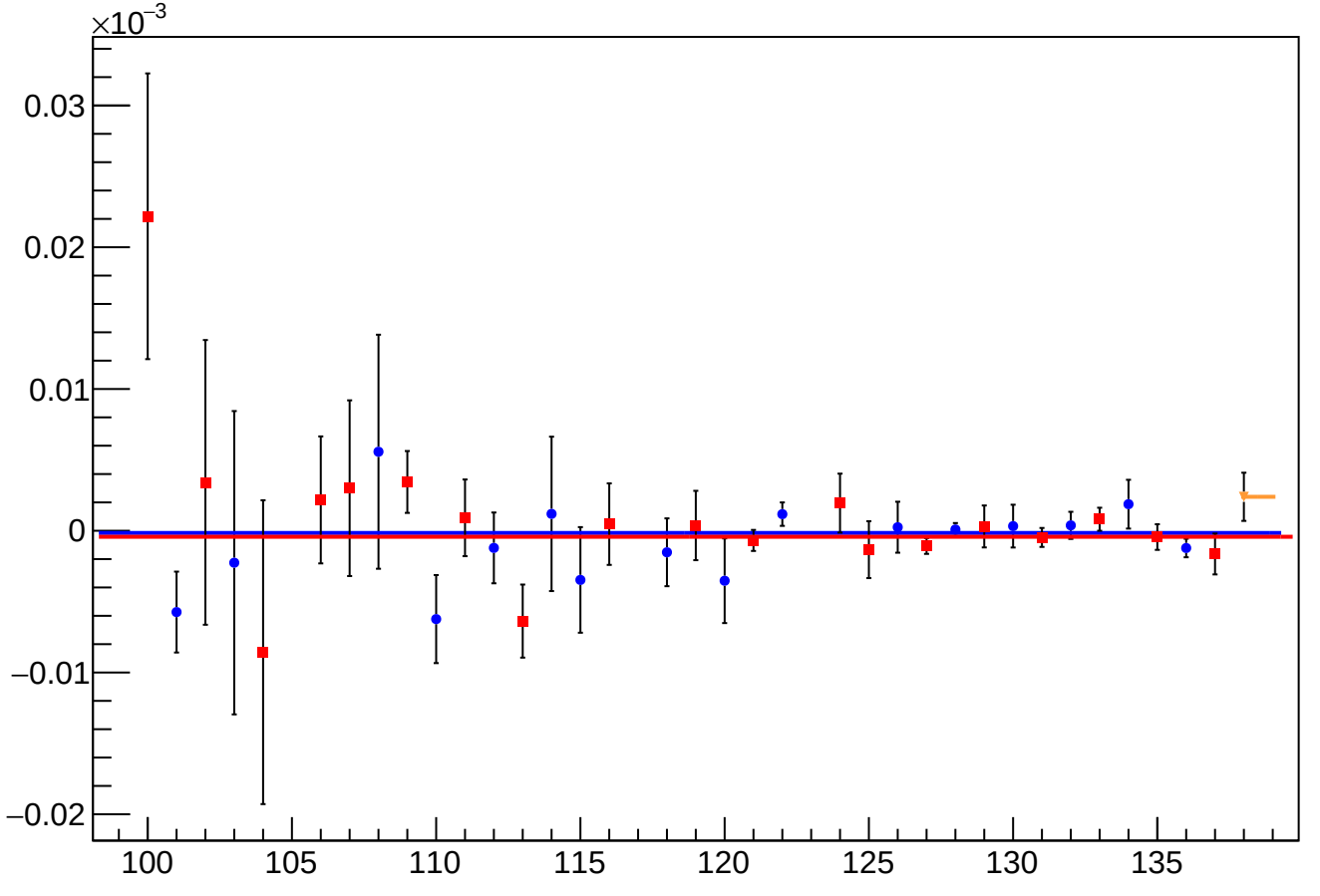
Left: 30.278+/-0.026 χ^2/NDF: 0.0/0

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.055+/-0.010 χ^2/NDF:1717266.1/15

Out: 32.688+/-0.010 χ^2/NDF:2085162.9/19

All: 33.325+/-0.007 χ^2/NDF: 3811599.1/35



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

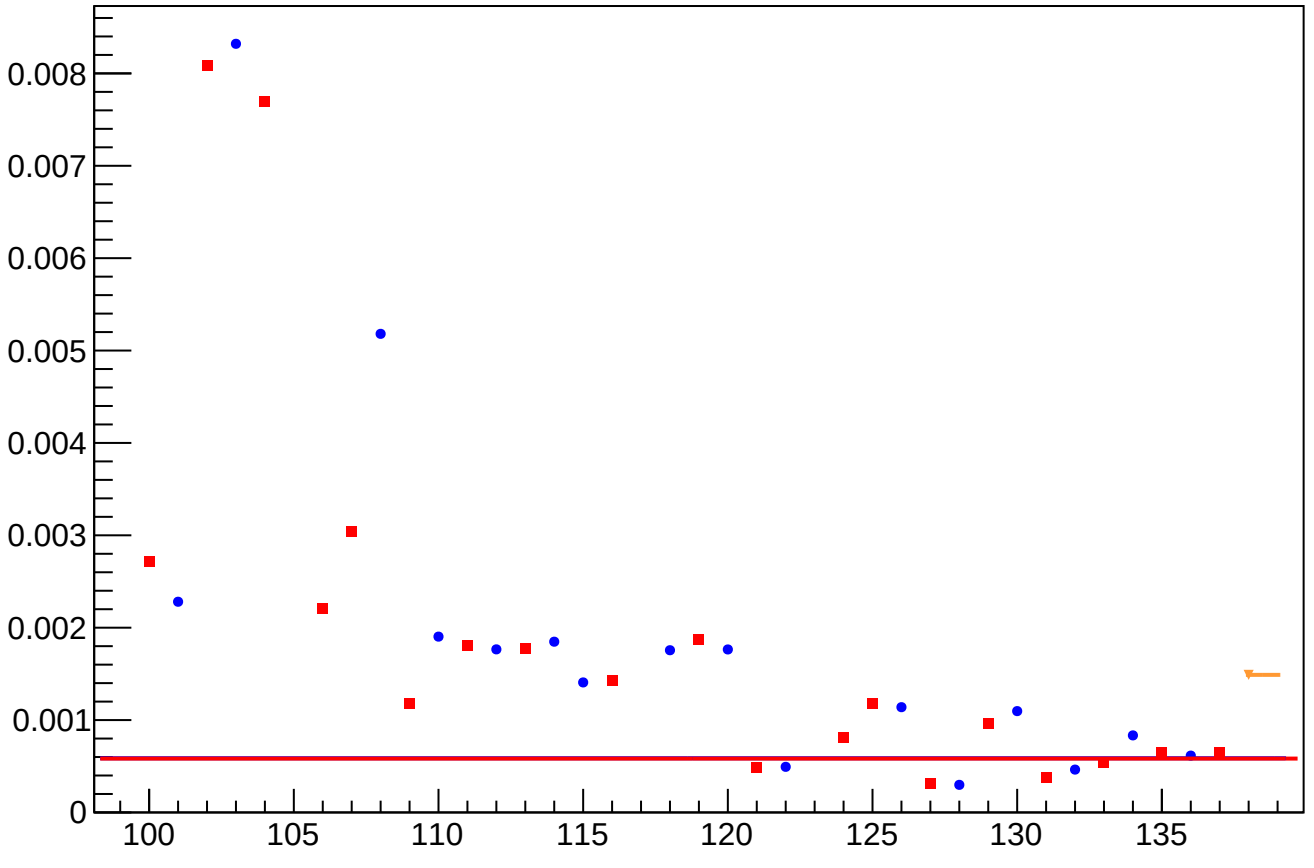
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:18.2/15

Out: -0.000+/-0.000 χ^2/NDF:24.2/19

All: -0.000+/-0.000 χ^2/NDF: 42.6/35



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.001+/-0.000 χ^2/NDF: 0.0/0

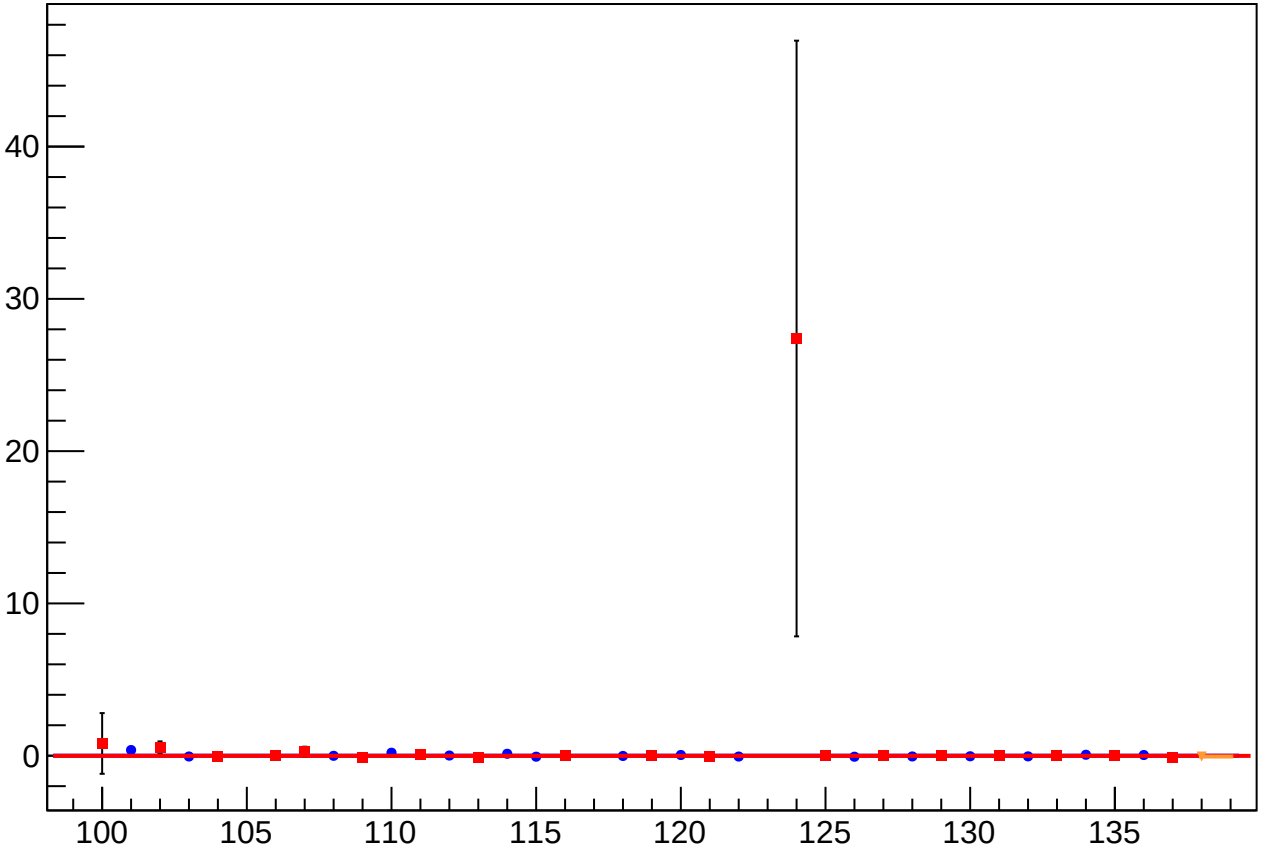
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:5485949.6/15

Out: 0.001+/-0.000 χ^2/NDF:5984970.5/19

All: 0.001+/-0.000 χ^2/NDF: 11476385.8/35

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.057+/-0.037 χ^2/NDF:0.0/0

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.057+/-0.037 χ^2/NDF: 0.0/0

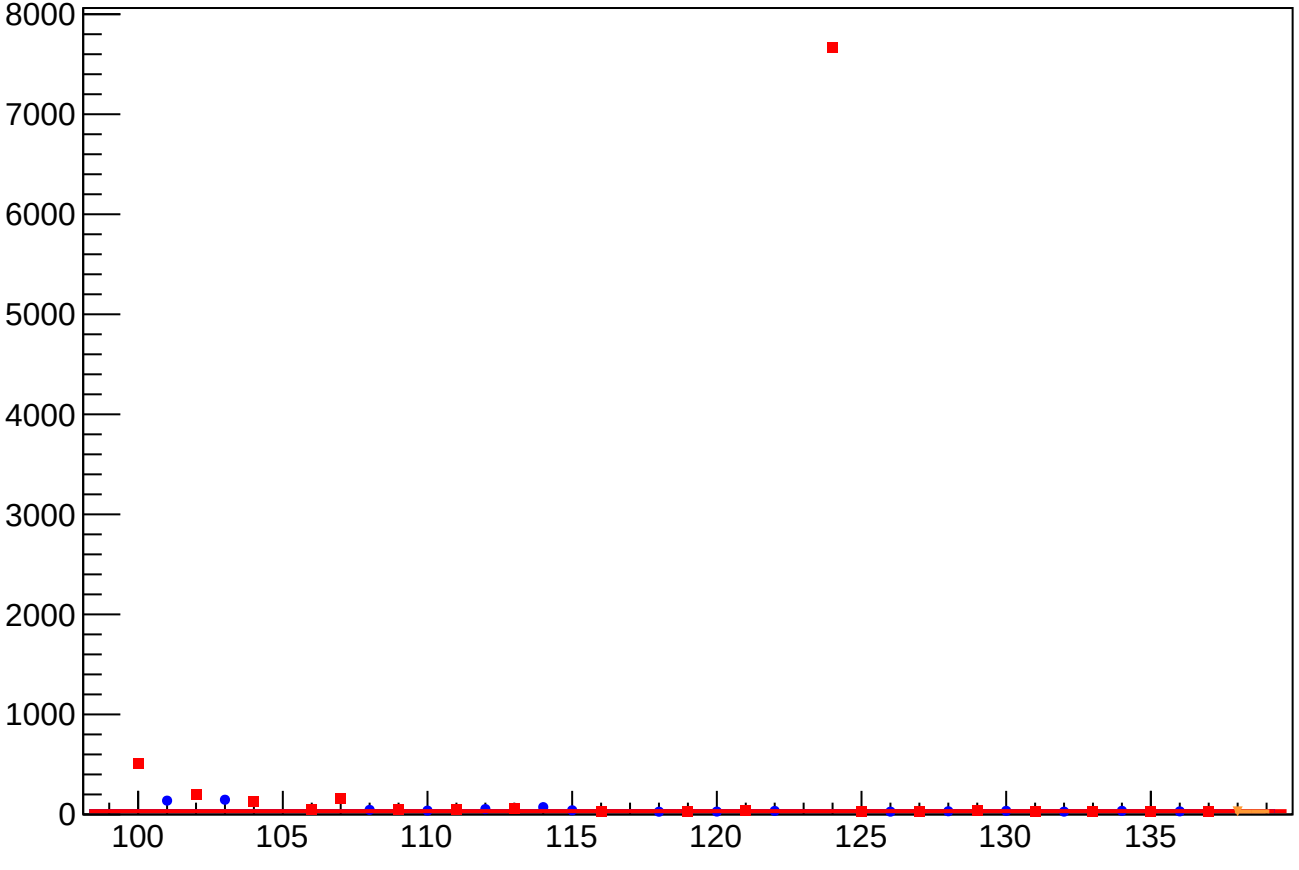
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.002+/-0.015 χ^2/NDF:21.0/15

Out: -0.018+/-0.014 χ^2/NDF:15.5/19

All: -0.009+/-0.010 χ^2/NDF: 37.5/35

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 30.277+/-0.026 χ^2/NDF:0.0/0

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 30.277+/-0.026 χ^2/NDF: 0.0/0

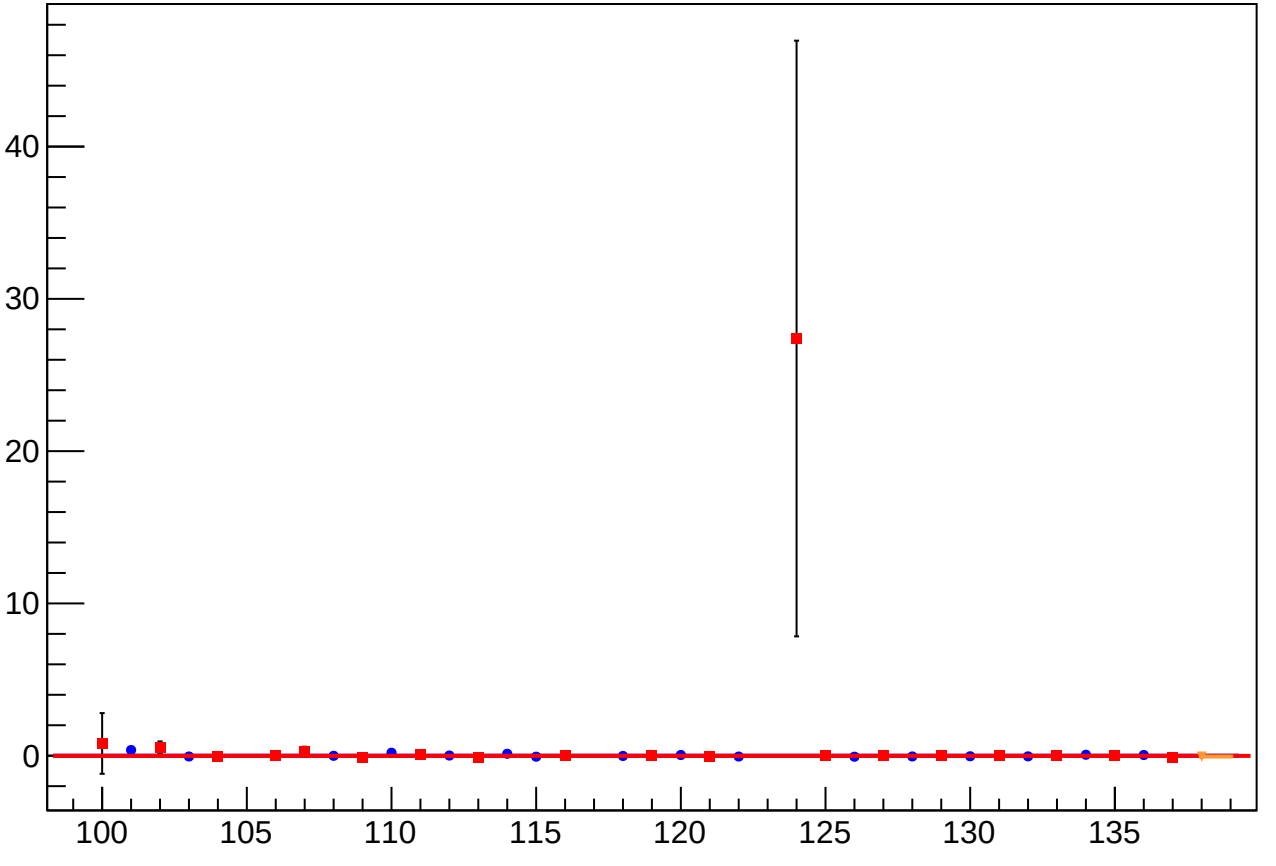
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.055+/-0.010 χ^2/NDF:1717254.5/15

Out: 32.688+/-0.010 χ^2/NDF:2085147.6/19

All: 33.325+/-0.007 χ^2/NDF: 3811574.7/35

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: -0.057+/-0.037 χ^2/NDF:0.0/0

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.057+/-0.037 χ^2/NDF: 0.0/0

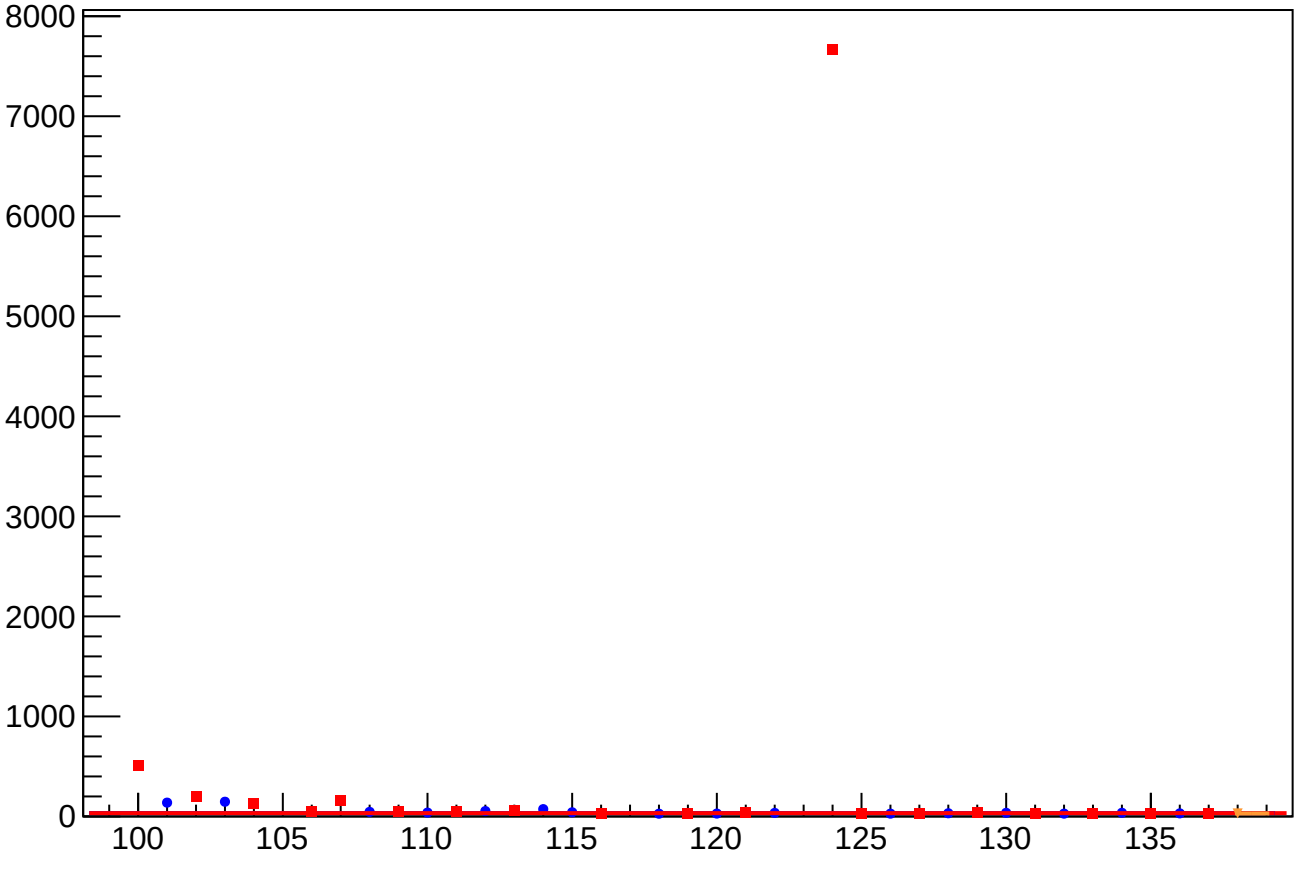
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.002+/-0.015 χ^2/NDF:21.0/15

Out: -0.018+/-0.014 χ^2/NDF:15.5/19

All: -0.009+/-0.010 χ^2/NDF: 37.5/35

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: 30.277+/-0.026 χ^2/NDF:0.0/0

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

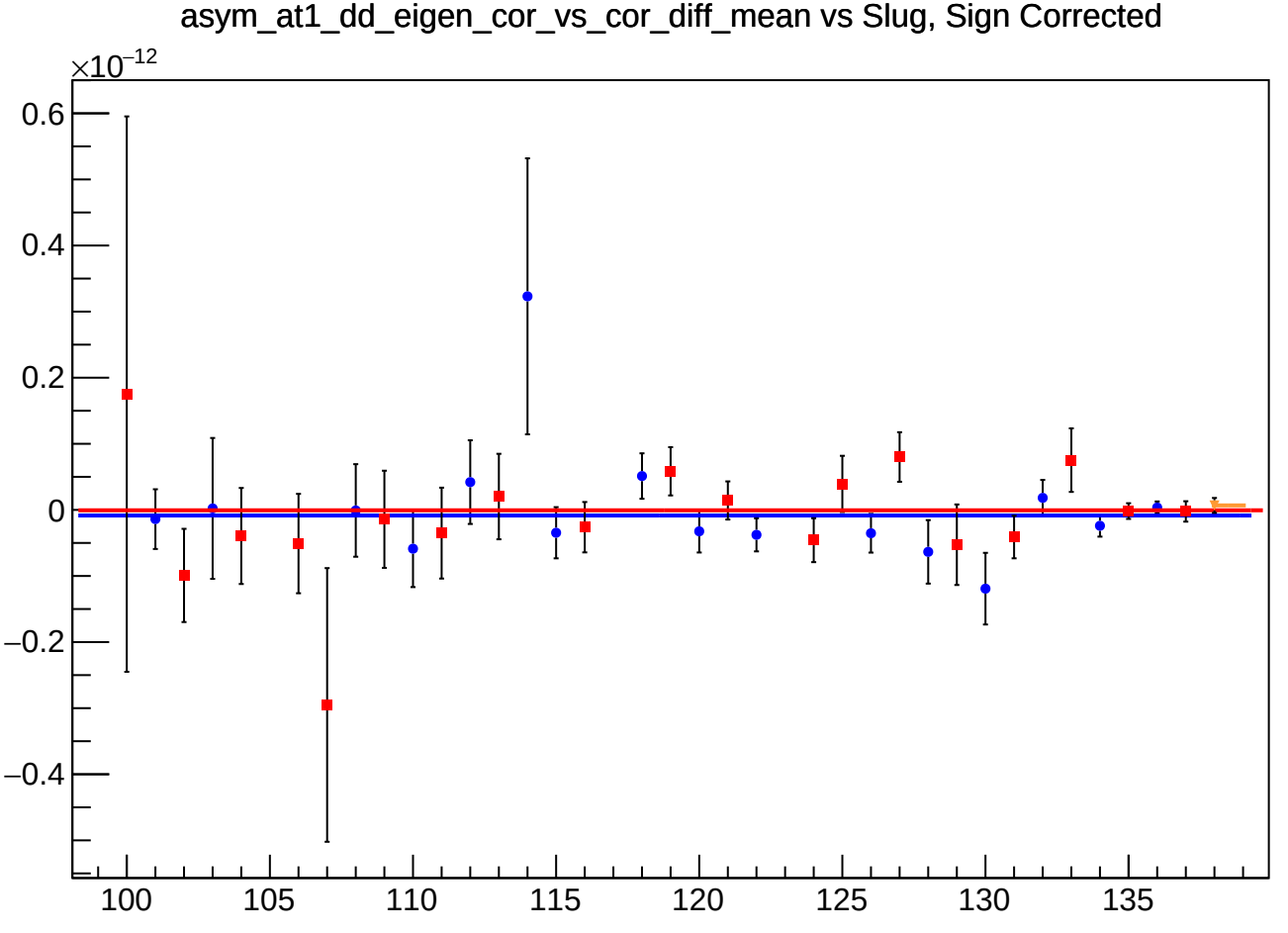
Left: 30.277+/-0.026 χ^2/NDF: 0.0/0

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.055+/-0.010 χ^2/NDF:1717254.5/15

Out: 32.688+/-0.010 χ^2/NDF:2085147.6/19

All: 33.325+/-0.007 χ^2/NDF: 3811574.7/35



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

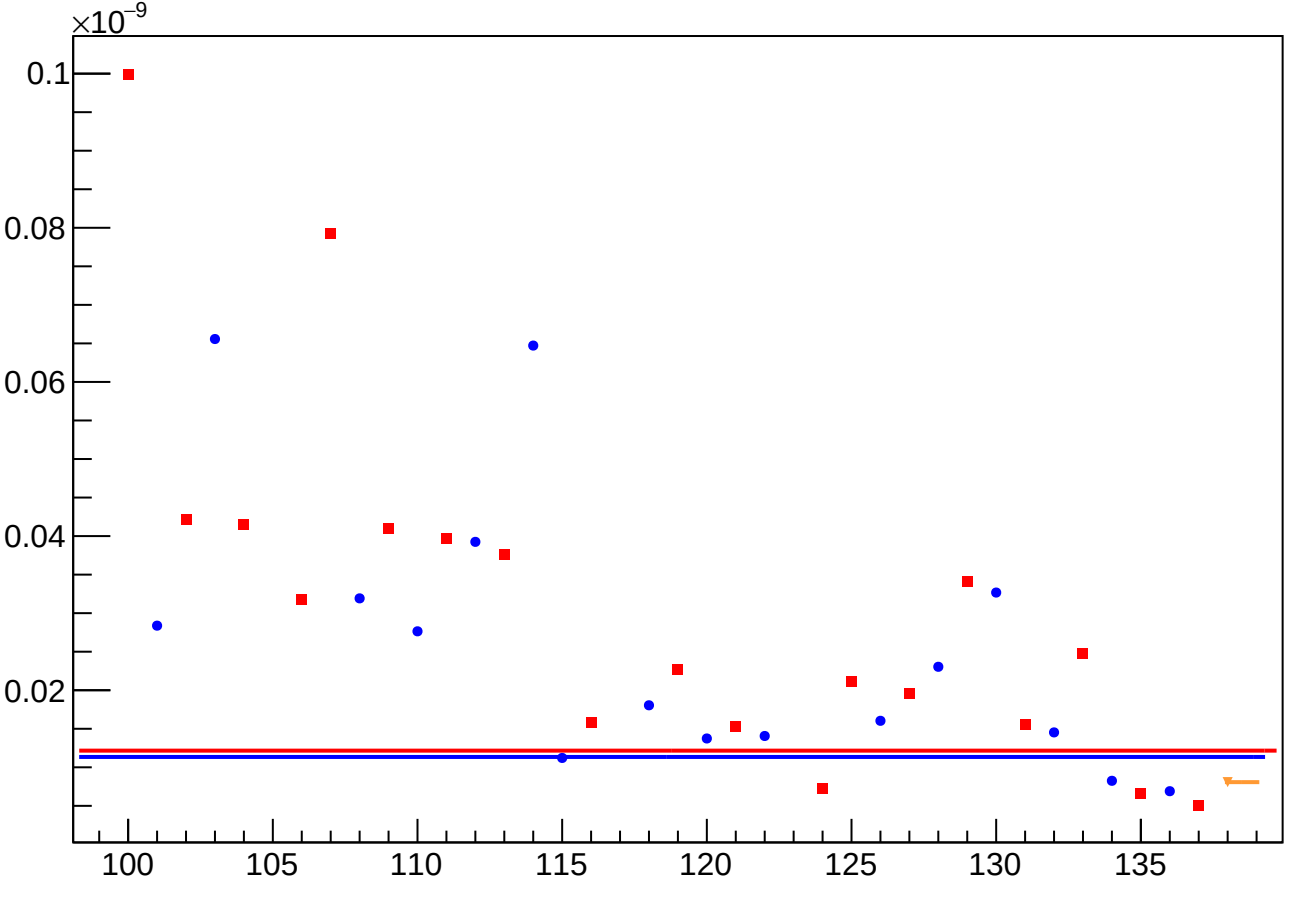
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: -0.000+/-0.000 χ^2/NDF:19.3/15

Out: 0.000+/-0.000 χ^2/NDF:21.1/19

All: -0.000+/-0.000 χ^2/NDF: 41.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

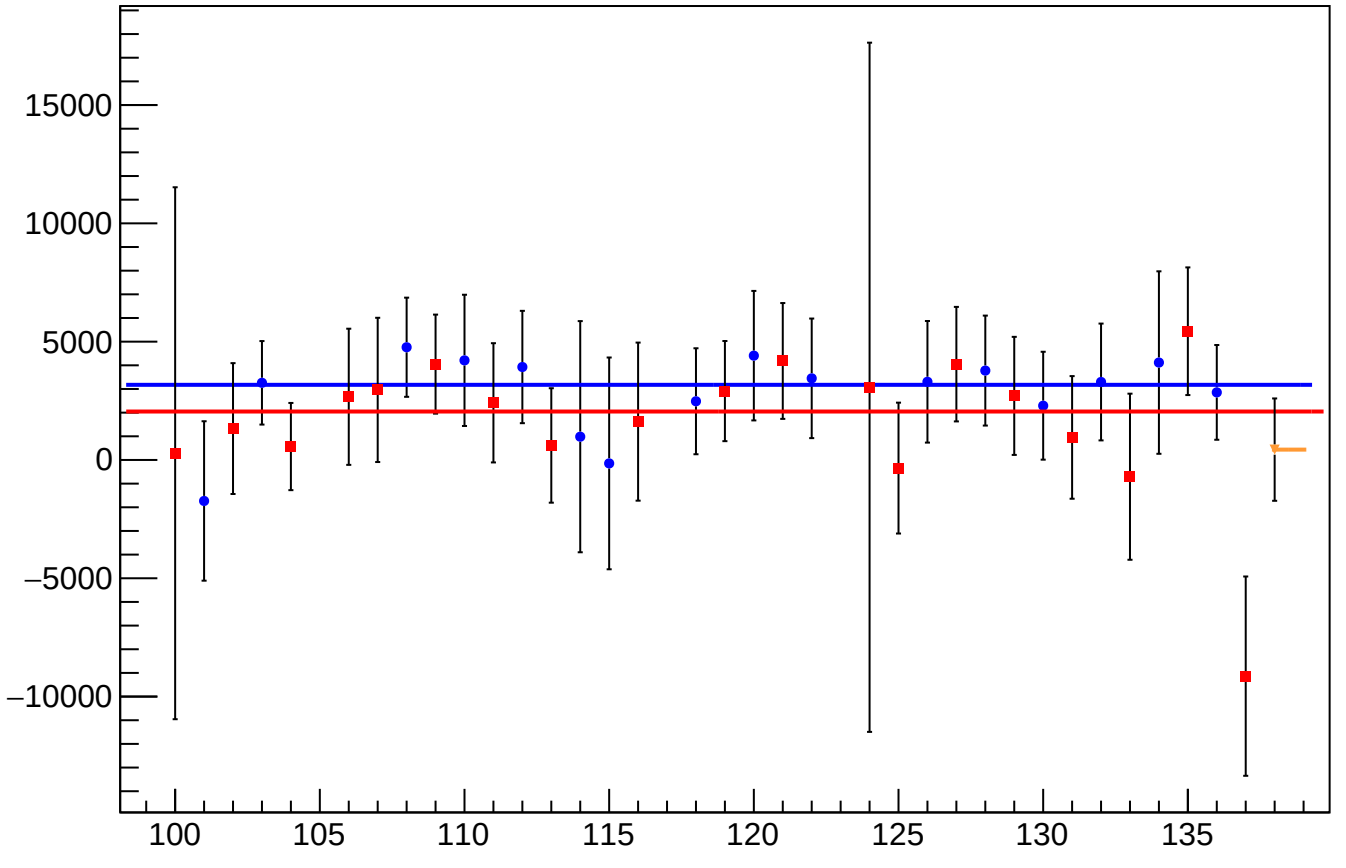
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:2813598.7/15

Out: 0.000+/-0.000 χ^2/NDF:3944122.2/19

All: 0.000+/-0.000 χ^2/NDF: 6761440.2/35



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 437.121+/-2162.790 χ^2/NDF:0.0/0

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 437.121+/-2162.790 χ^2/NDF: 0.0/0

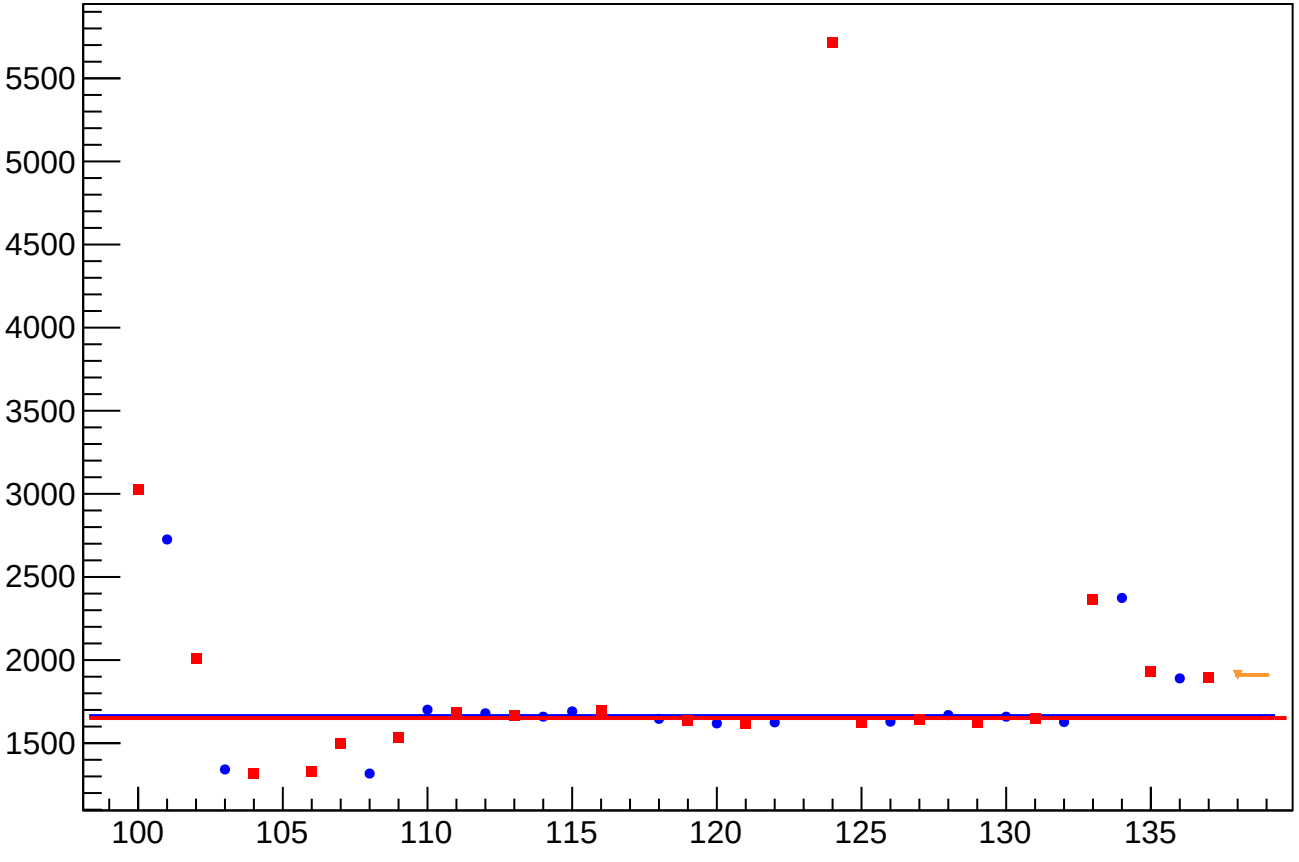
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3175.599+/-627.992 χ^2/NDF:4.3/15

Out: 1924.576+/-597.325 χ^2/NDF:14.6/19

All: 2518.797+/-432.808 χ^2/NDF: 20.9/35

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1910.547+/-1.529 χ^2/NDF:0.0/0

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

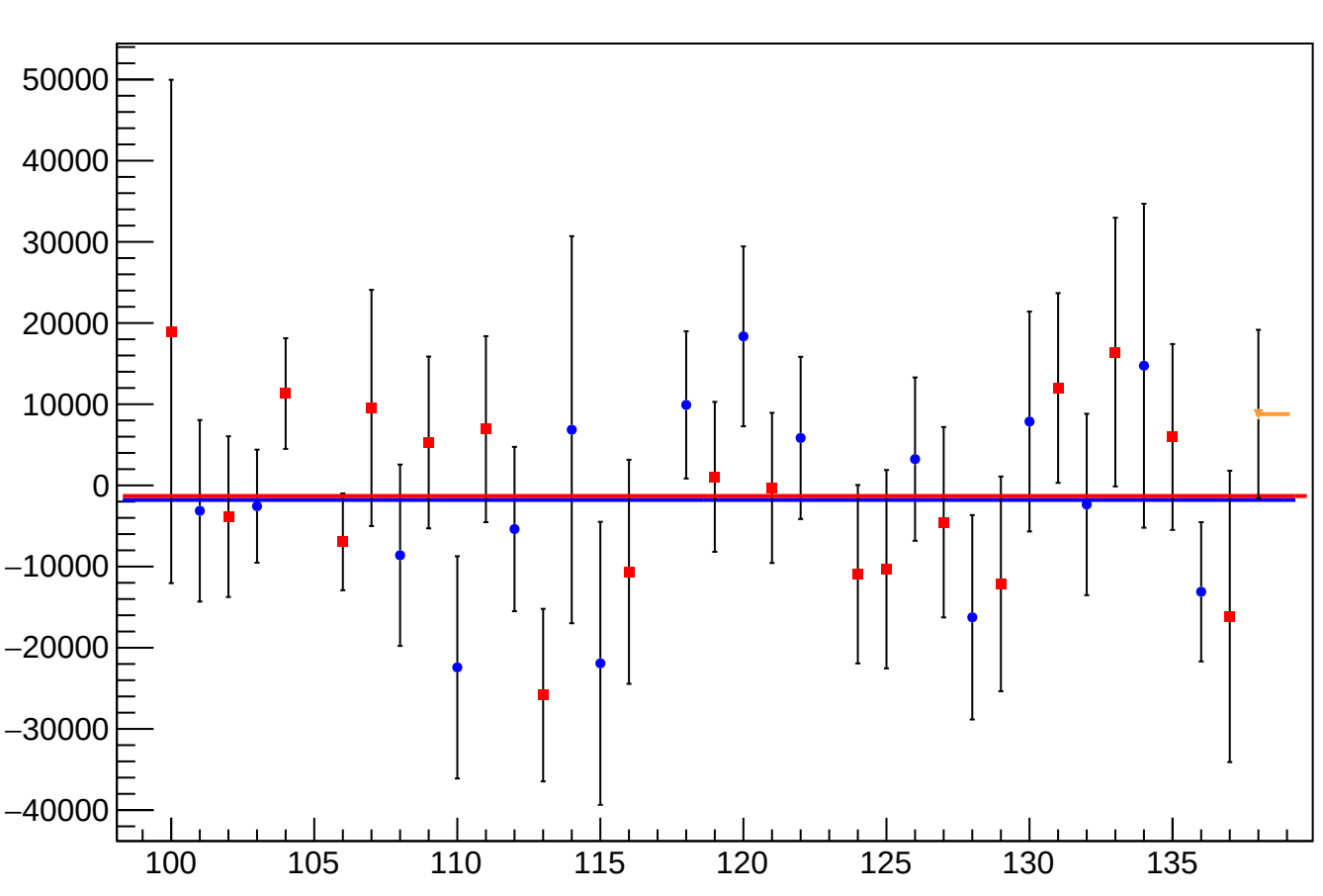
Left: 1910.547+/-1.529 χ^2/NDF: 0.0/0

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1662.901+/-0.444 χ^2/NDF:415630.7/15

Out: 1671.095+/-0.422 χ^2/NDF:458504.9/19

All: 1667.203+/-0.306 χ^2/NDF: 874314.4/35



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 8778.562+/-10389.133 χ^2/NDF:0.0/0

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

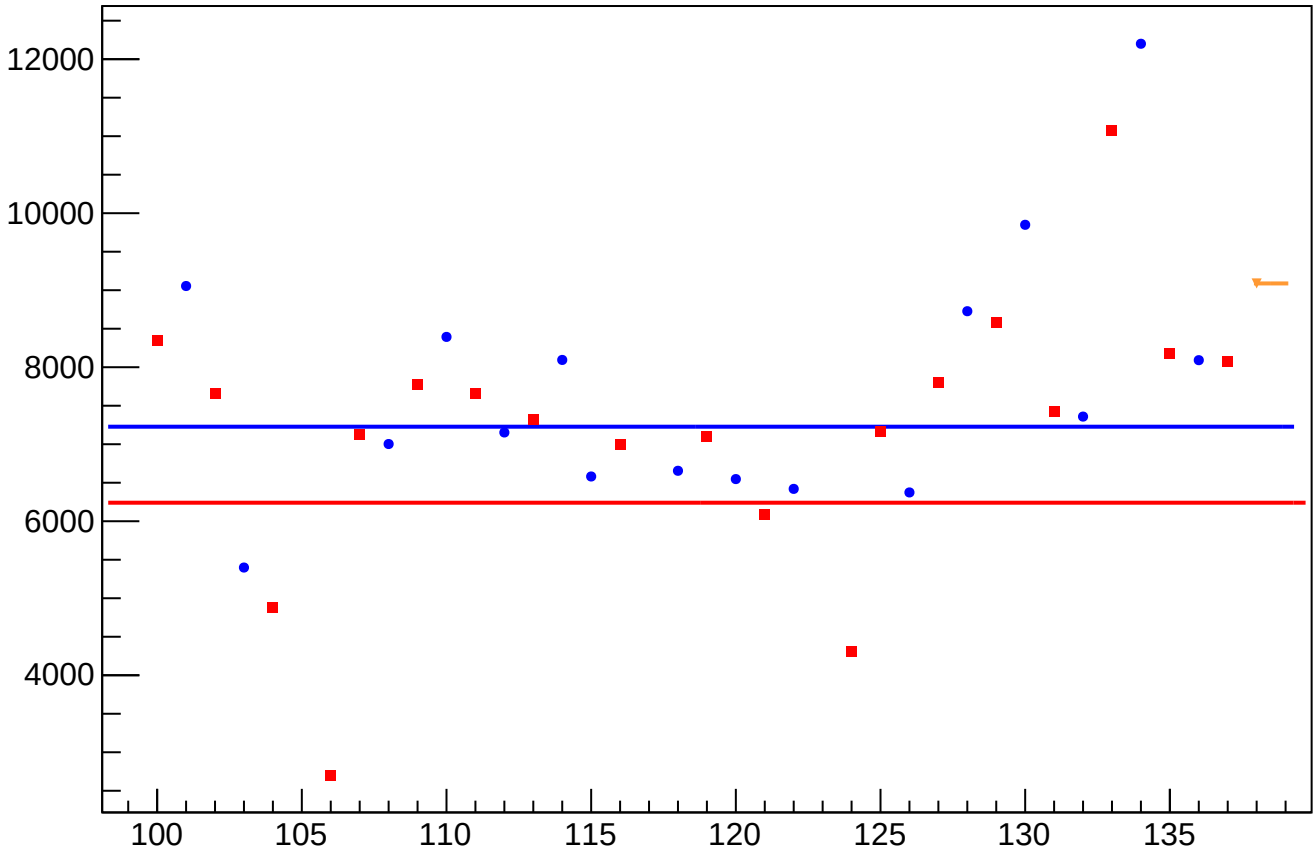
Left: 8778.562+/-10389.133 χ^2/NDF: 0.0/0

Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -1791.030+/-2743.617 χ^2/NDF:14.3/15

Out: -783.177+/-2366.197 χ^2/NDF:18.6/19

All: -1213.065+/-1791.855 χ^2/NDF: 33.0/35



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 9087.916+/-7.346 χ^2/NDF:0.0/0

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

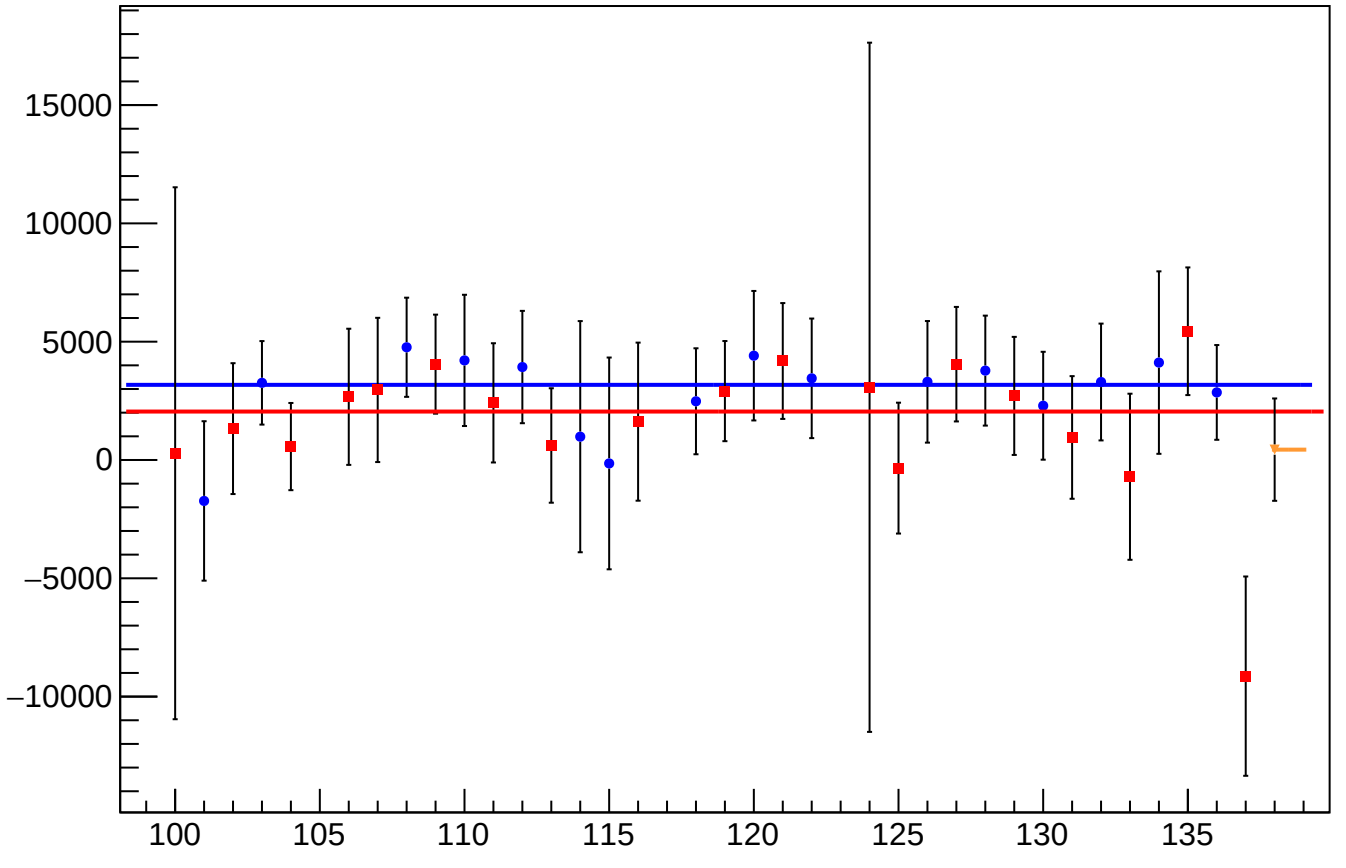
Left: 9087.916+/-7.346 χ^2/NDF: 0.0/0

Right: 6674.473+/-1.286 χ^2/NDF: 2047393.1/34

In: 7227.590+/-1.940 χ^2/NDF:503260.9/15

Out: 6388.259+/-1.673 χ^2/NDF:1541514.3/19

All: 6746.266+/-1.267 χ^2/NDF: 2152113.3/35



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 437.298+/-2162.790 χ^2/NDF:0.0/0

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 437.298+/-2162.790 χ^2/NDF: 0.0/0

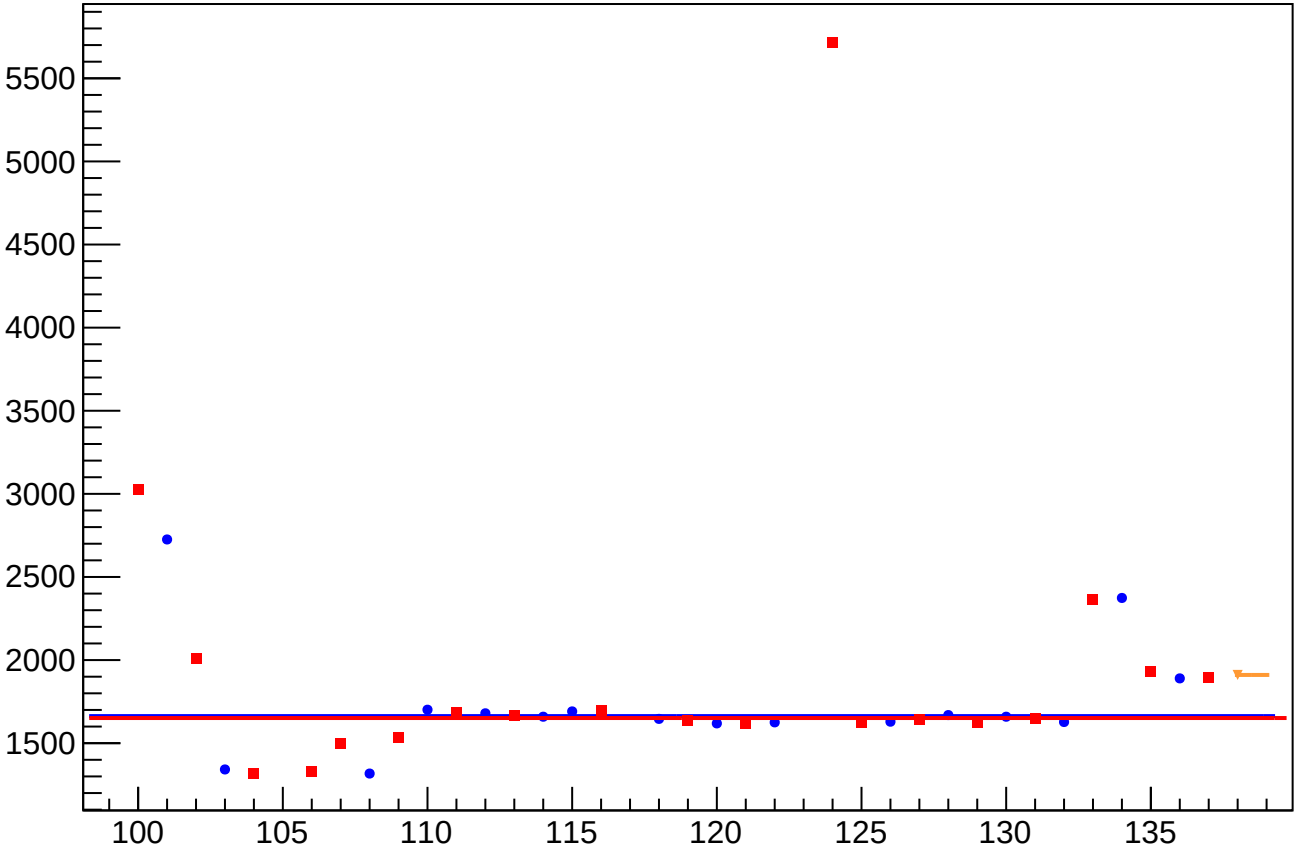
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3175.689+/-627.992 χ^2/NDF:4.3/15

Out: 1924.410+/-597.325 χ^2/NDF:14.6/19

All: 2518.752+/-432.808 χ^2/NDF: 20.9/35

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1910.547+/-1.529 χ^2/NDF:0.0/0

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

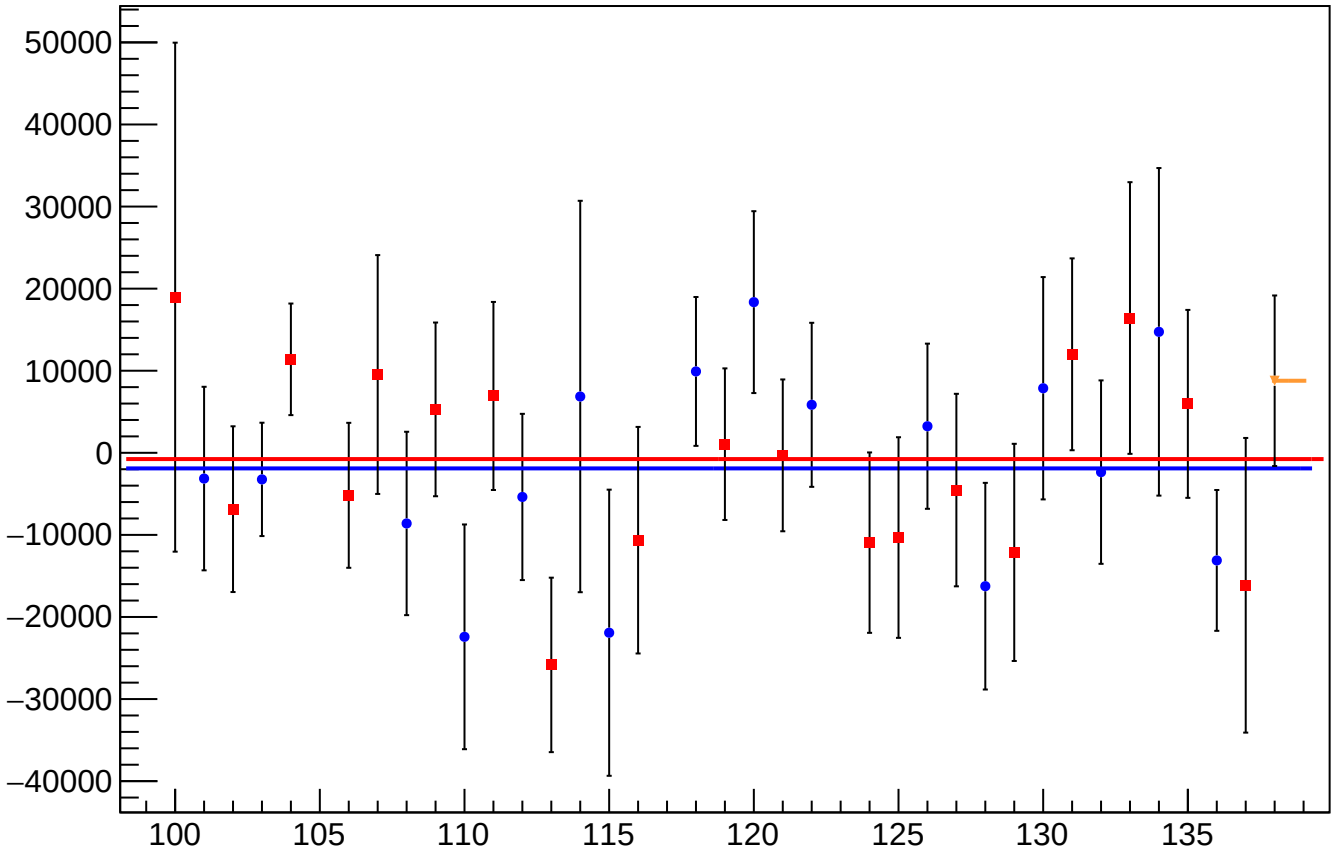
Left: 1910.547+/-1.529 χ^2/NDF: 0.0/0

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1662.901+/-0.444 χ^2/NDF:415631.0/15

Out: 1671.095+/-0.422 χ^2/NDF:458505.0/19

All: 1667.203+/-0.306 χ^2/NDF: 874314.7/35



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 8778.815+/-10389.128 χ^2/NDF:0.0/0

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

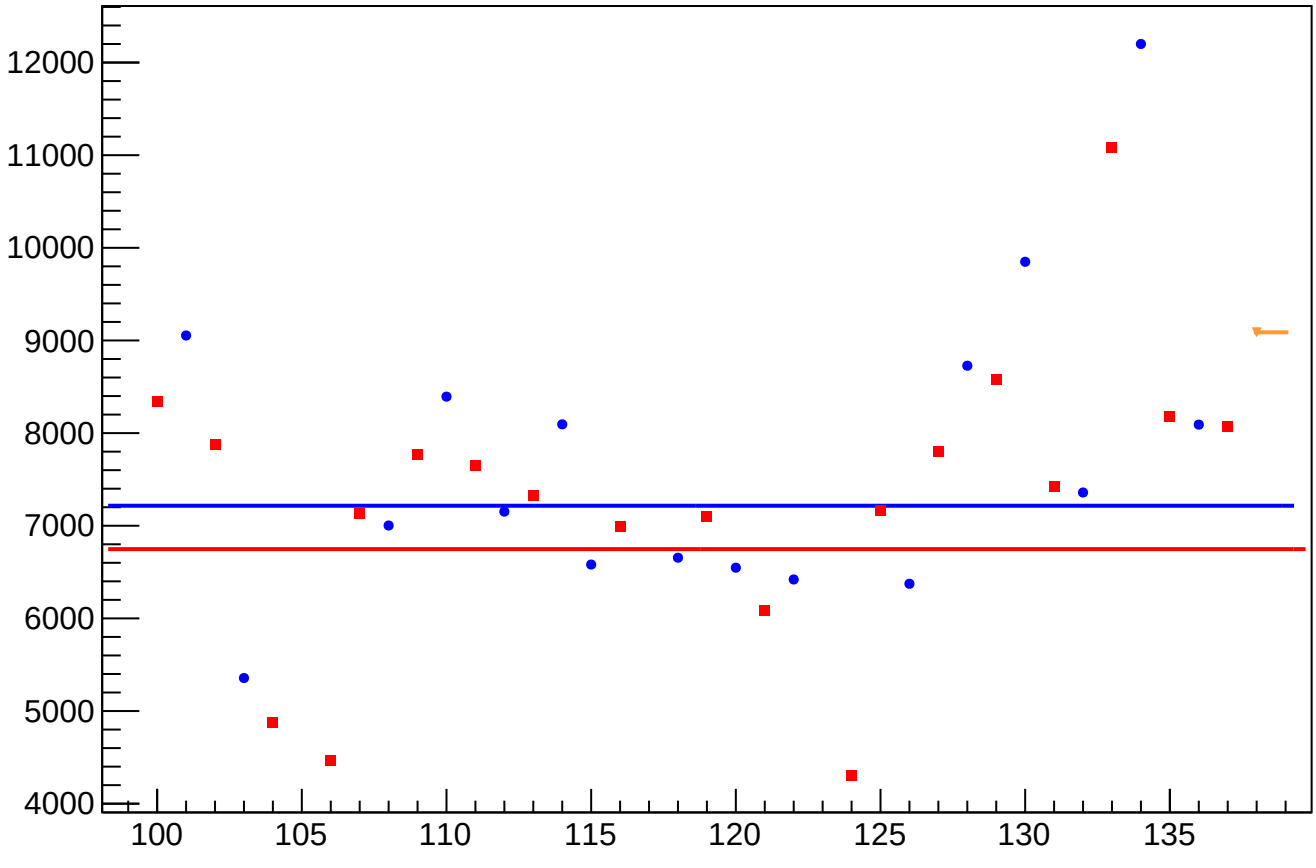
Left: 8778.815+/-10389.128 χ^2/NDF: 0.0/0

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -1900.125+/-2739.954 χ^2/NDF:14.4/15

Out: -220.379+/-2476.441 χ^2/NDF:18.1/19

All: -975.613+/-1837.225 χ^2/NDF: 32.6/35



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 9087.911+/-7.346 χ^2/NDF:0.0/0

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

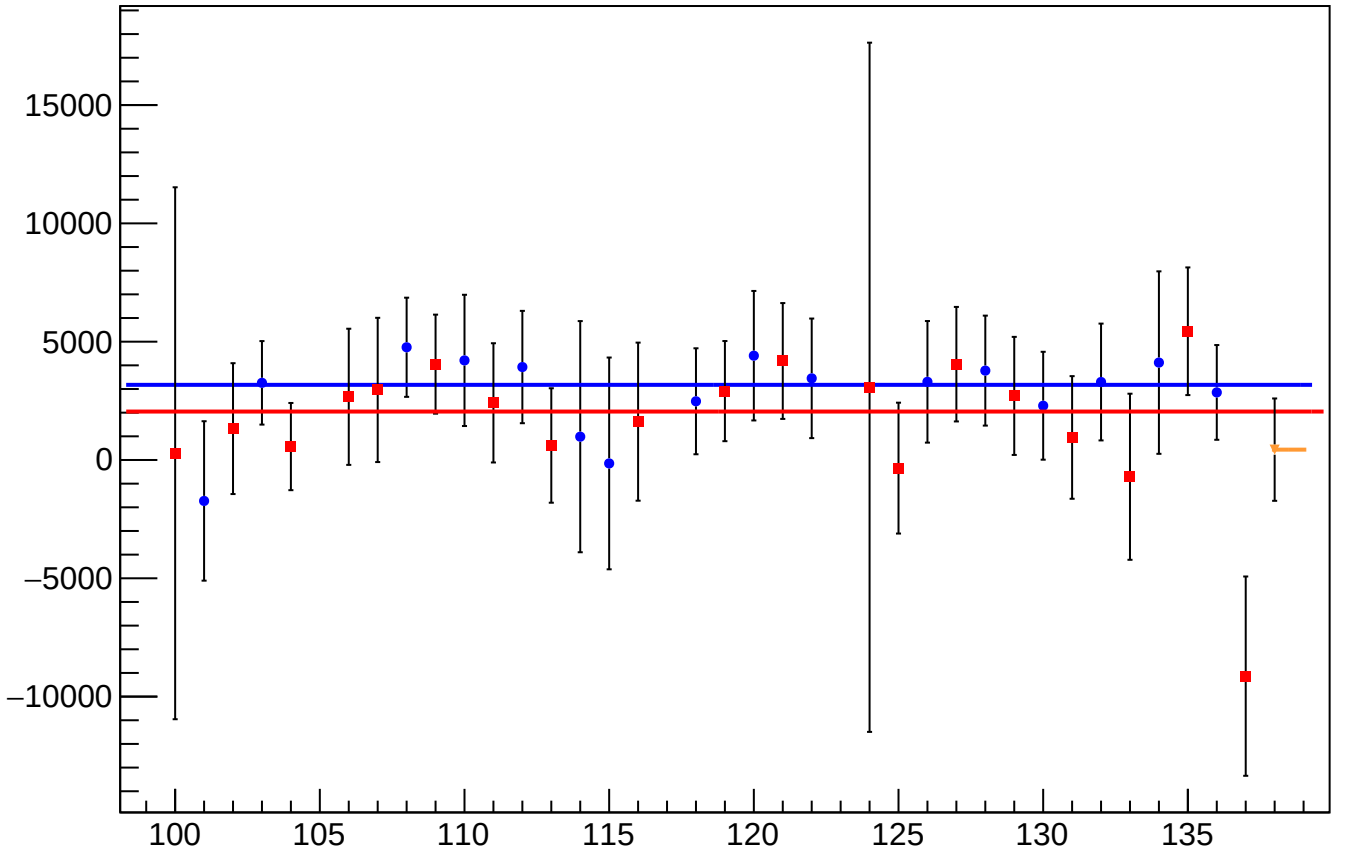
Left: 9087.911+/-7.346 χ^2/NDF: 0.0/0

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7216.029+/-1.937 χ^2/NDF:512126.4/15

Out: 6880.704+/-1.751 χ^2/NDF:804504.6/19

All: 7031.470+/-1.299 χ^2/NDF: 1333118.1/35



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 437.298+/-2162.790 χ^2/NDF:0.0/0

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

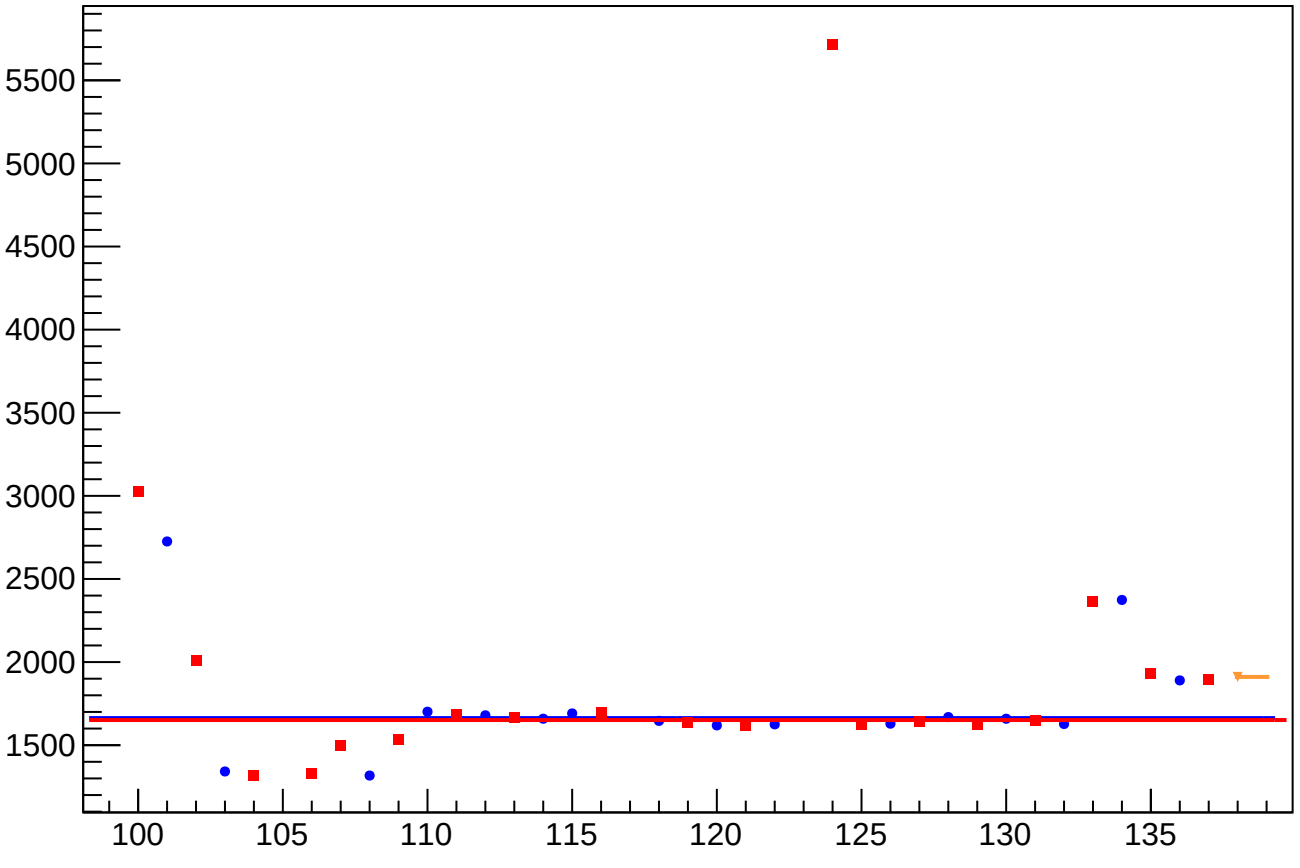
Left: 437.298+/-2162.790 χ^2/NDF: 0.0/0

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3175.689+/-627.992 χ^2/NDF:4.3/15

Out: 1924.410+/-597.325 χ^2/NDF:14.6/19

All: 2518.752+/-432.808 χ^2/NDF: 20.9/35



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1910.547+/-1.529 χ^2/NDF:0.0/0

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

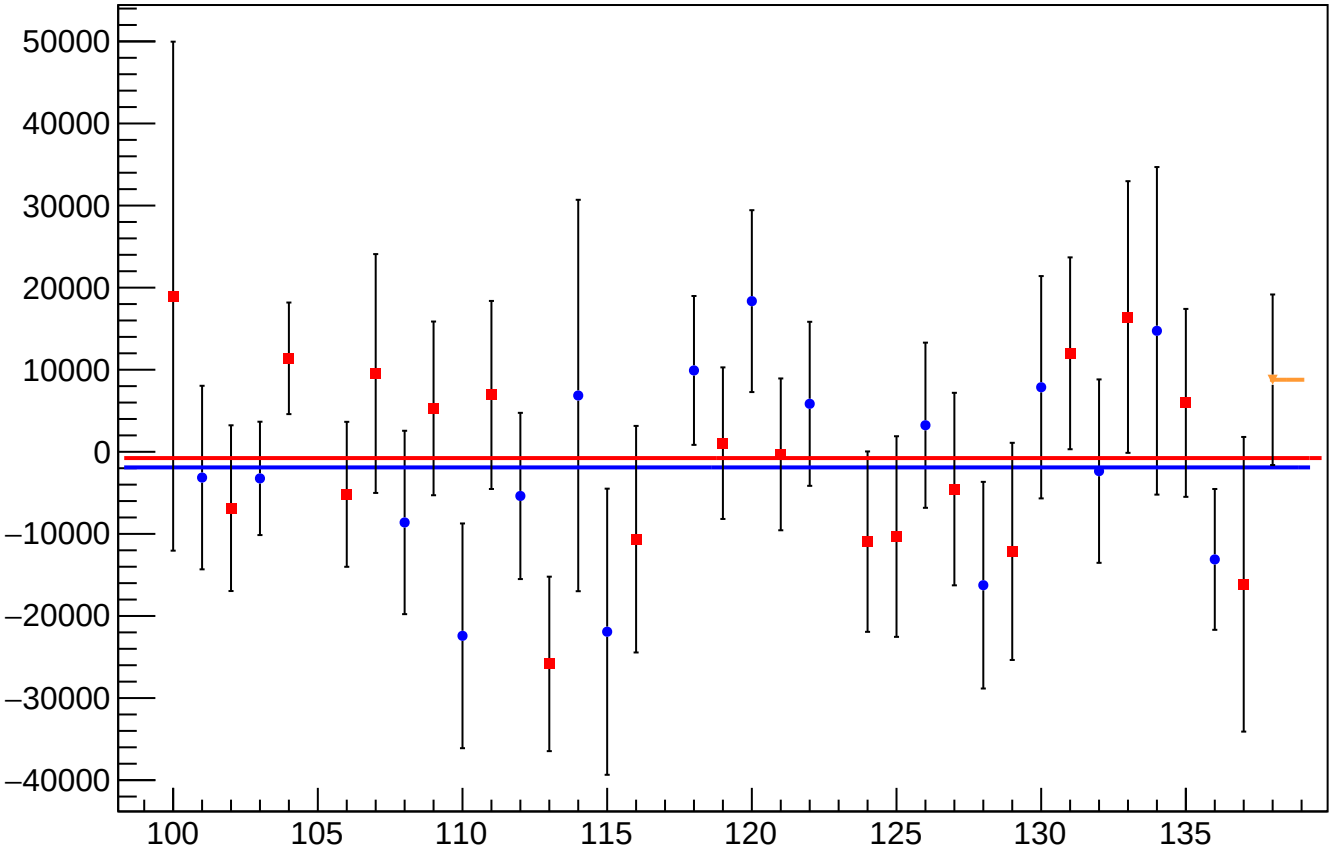
Left: 1910.547+/-1.529 χ^2/NDF: 0.0/0

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1662.901+/-0.444 χ^2/NDF:415631.0/15

Out: 1671.095+/-0.422 χ^2/NDF:458505.0/19

All: 1667.203+/-0.306 χ^2/NDF: 874314.7/35



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 8778.815+/-10389.128 χ^2/NDF:0.0/0

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

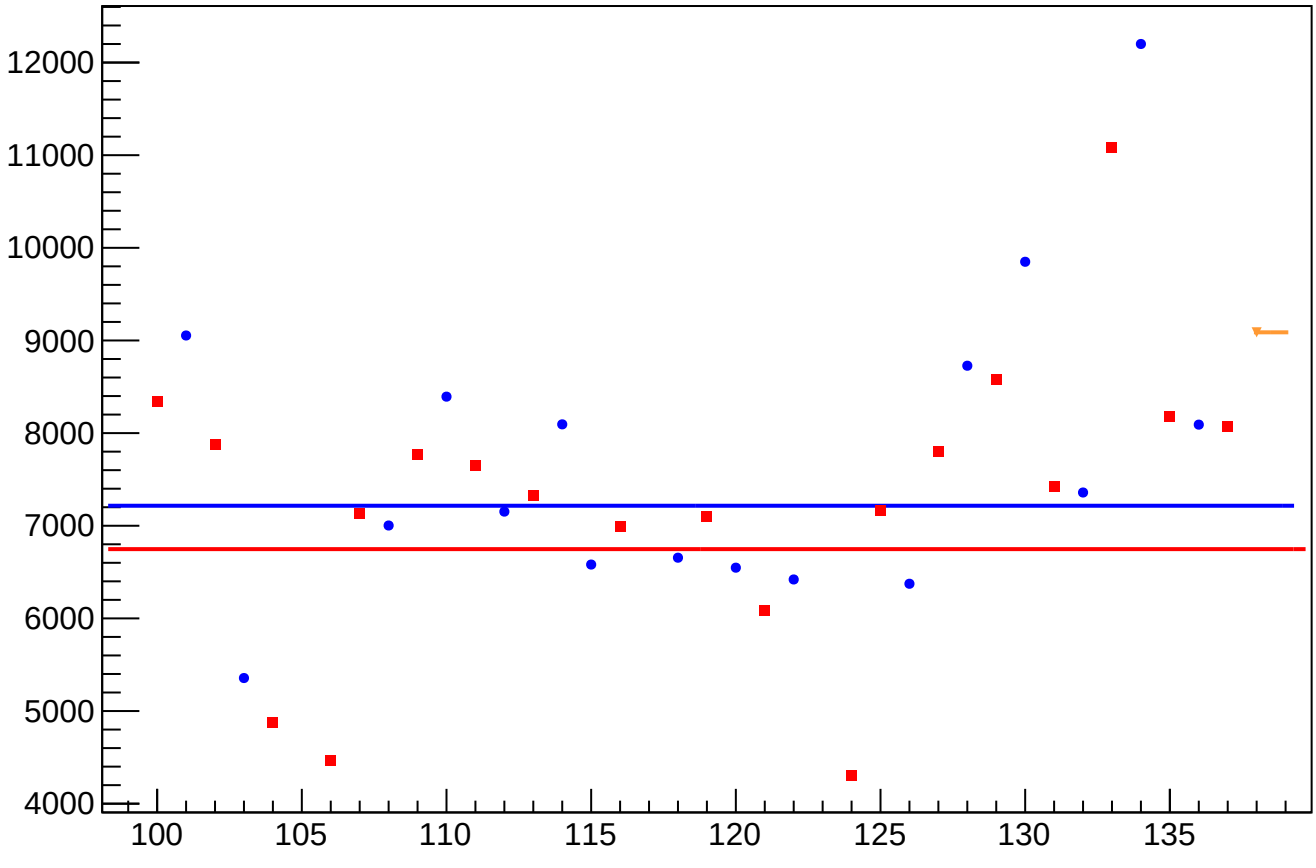
Left: 8778.815+/-10389.128 χ^2/NDF: 0.0/0

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -1900.125+/-2739.954 χ^2/NDF:14.4/15

Out: -220.379+/-2476.441 χ^2/NDF:18.1/19

All: -975.613+/-1837.225 χ^2/NDF: 32.6/35



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 9087.911+/-7.346 χ^2/NDF:0.0/0

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9087.911+/-7.346 χ^2/NDF: 0.0/0

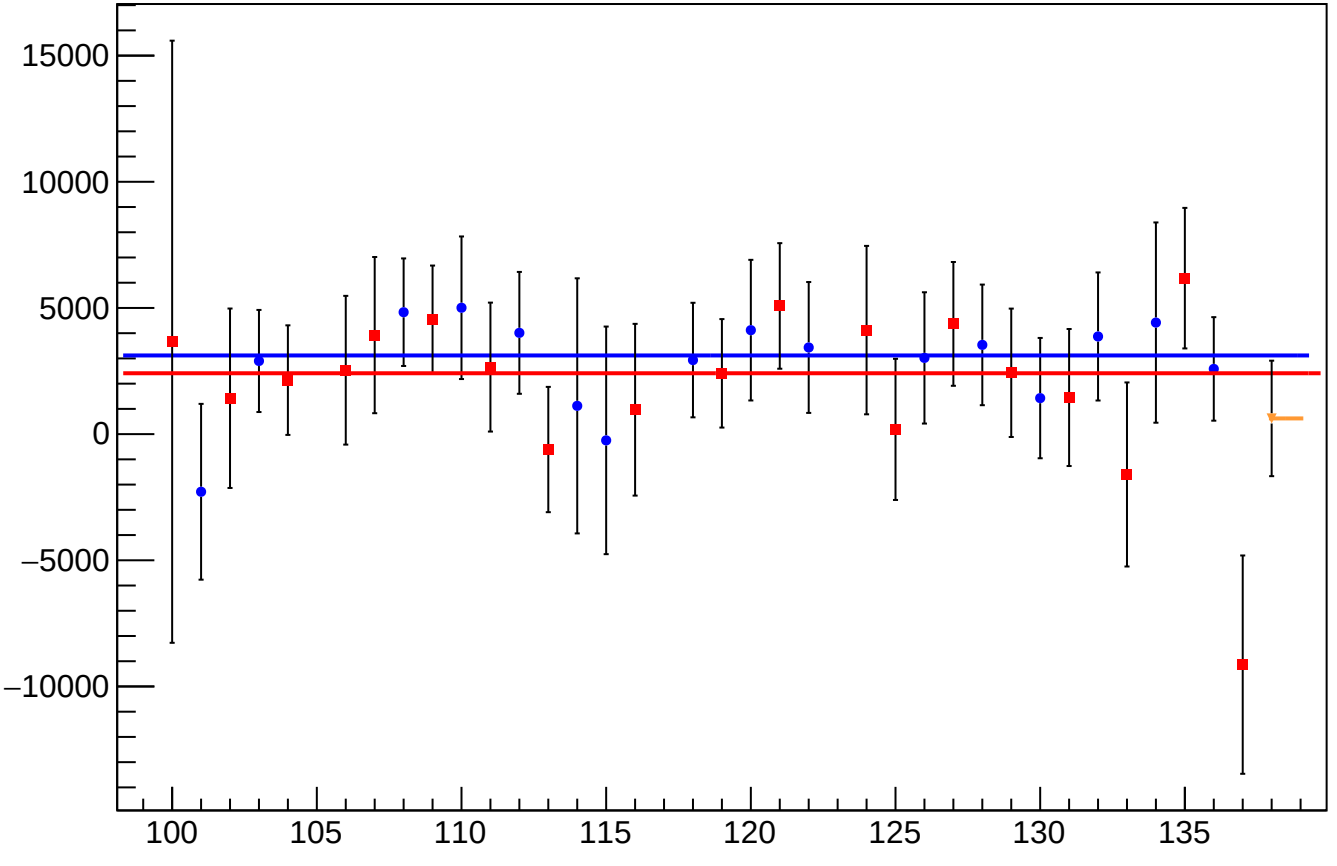
Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7216.029+/-1.937 χ^2/NDF:512126.4/15

Out: 6880.704+/-1.751 χ^2/NDF:804504.6/19

All: 7031.470+/-1.299 χ^2/NDF: 1333118.1/35

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 622.124+/-2288.213 χ^2/NDF:0.0/0

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 622.124+/-2288.213 χ^2/NDF: 0.0/0

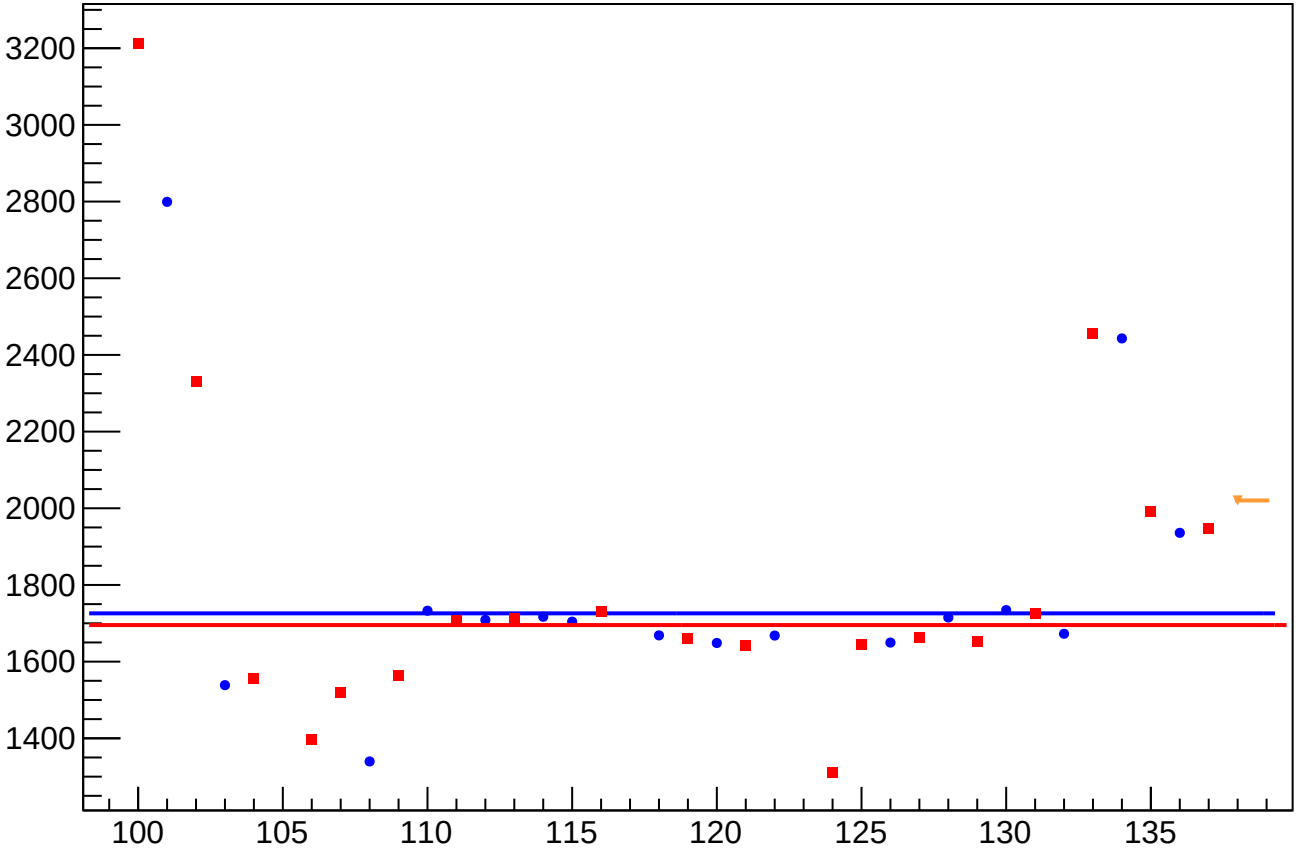
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3117.878+/-651.119 χ^2/NDF:5.3/15

Out: 2282.947+/-615.469 χ^2/NDF:16.6/19

All: 2676.931+/-447.274 χ^2/NDF: 22.7/35

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 2020.417+/-1.618 χ^2/NDF:0.0/0

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

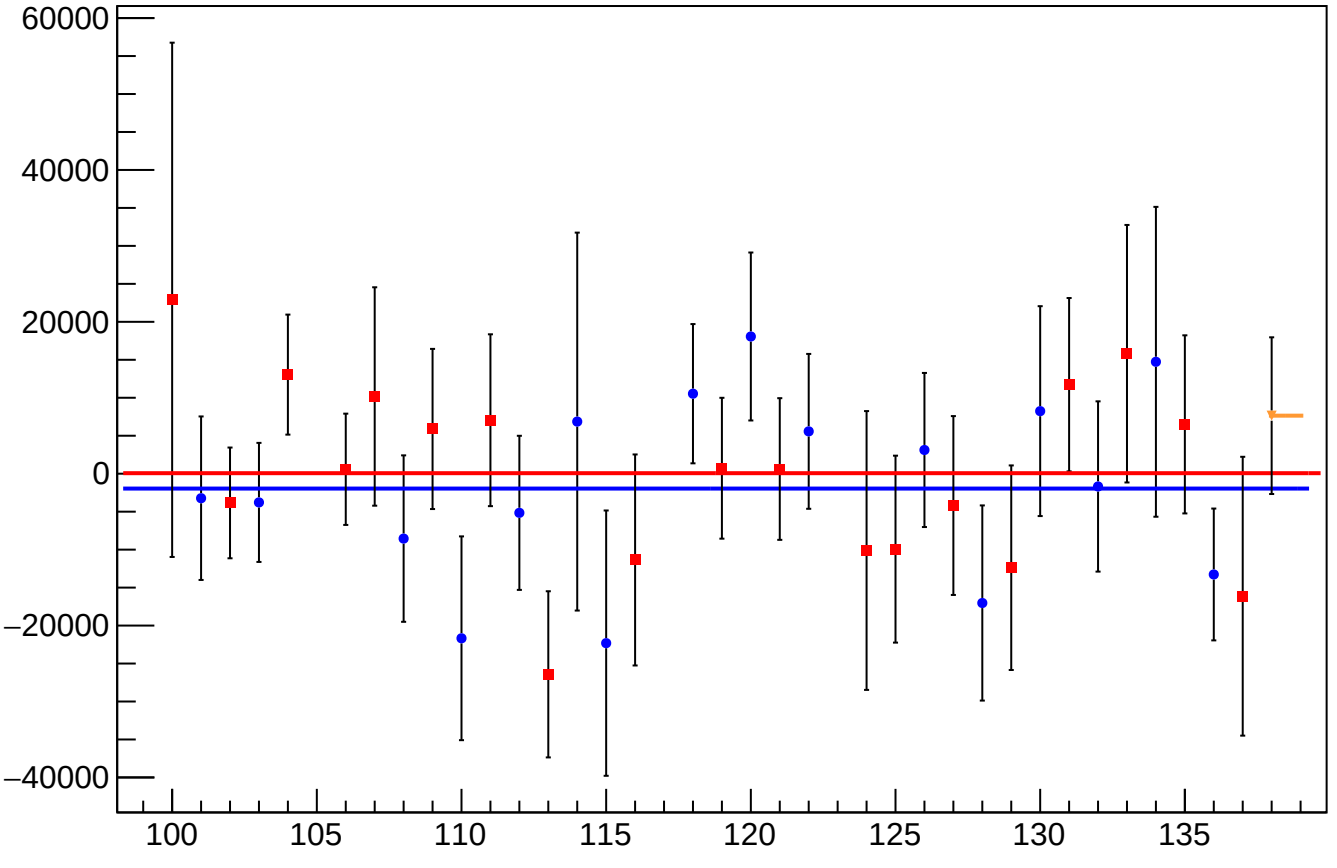
Left: 2020.417+/-1.618 χ^2/NDF: 0.0/0

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1725.911+/-0.460 χ^2/NDF:365638.9/15

Out: 1718.886+/-0.435 χ^2/NDF:323058.2/19

All: 1722.200+/-0.316 χ^2/NDF: 688820.1/35



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 7642.461+/-10317.888 χ^2/NDF:0.0/0

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

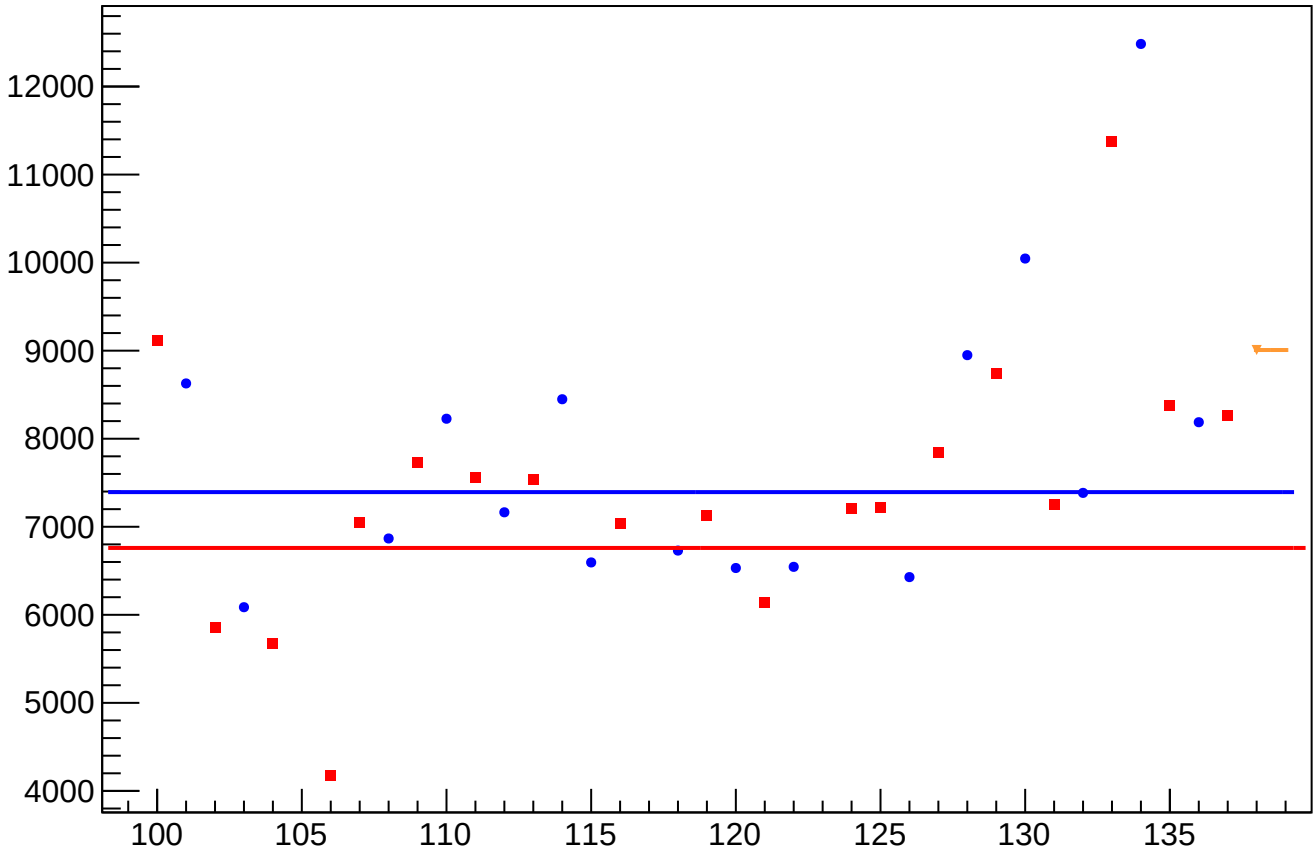
Left: 7642.461+/-10317.888 χ^2/NDF: 0.0/0

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -1958.559+/-2798.309 χ^2/NDF:14.4/15

Out: 497.586+/-2456.774 χ^2/NDF:16.6/19

All: -571.530+/-1846.210 χ^2/NDF: 31.4/35



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 9007.512+/-7.296 χ^2/NDF:0.0/0

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

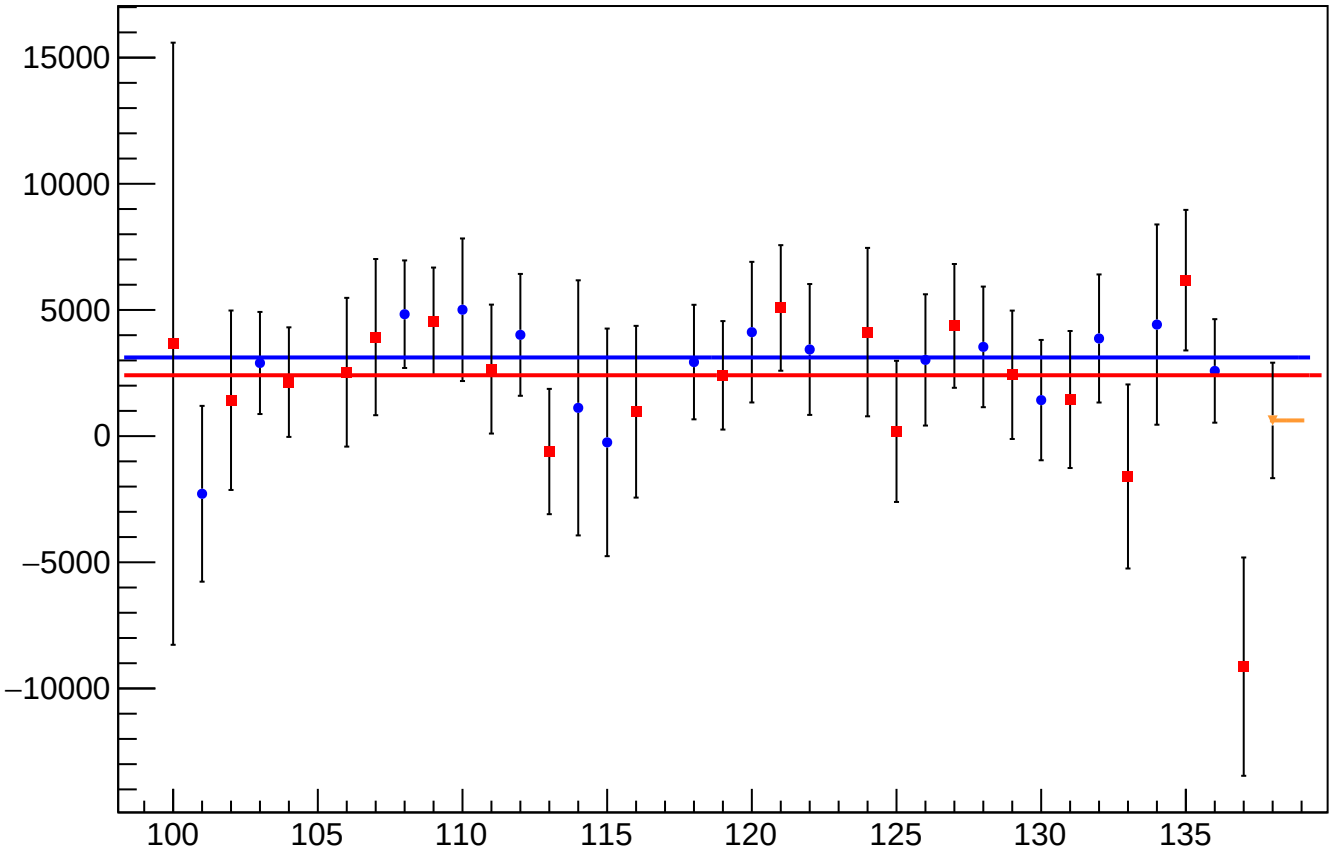
Left: 9007.512+/-7.296 χ^2/NDF: 0.0/0

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7393.622+/-1.979 χ^2/NDF:401826.8/15

Out: 6886.884+/-1.737 χ^2/NDF:733853.3/19

All: 7107.458+/-1.305 χ^2/NDF: 1172717.2/35



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 622.155+/-2288.214 χ^2/NDF:0.0/0

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

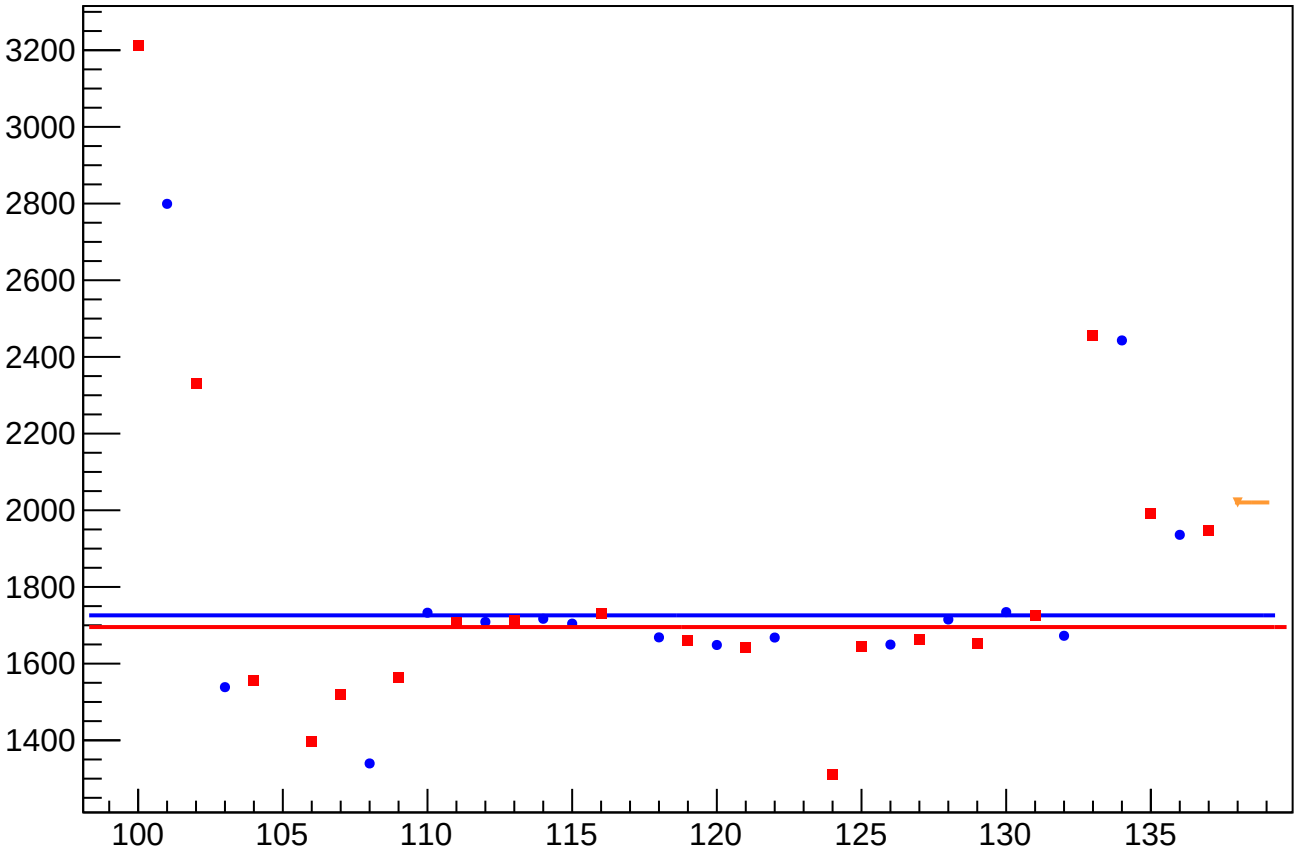
Left: 622.155+/-2288.214 χ^2/NDF: 0.0/0

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3117.882+/-651.118 χ^2/NDF:5.3/15

Out: 2282.957+/-615.468 χ^2/NDF:16.6/19

All: 2676.938+/-447.274 χ^2/NDF: 22.7/35



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 2020.418+/-1.618 χ^2/NDF:0.0/0

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2020.418+/-1.618 χ^2/NDF: 0.0/0

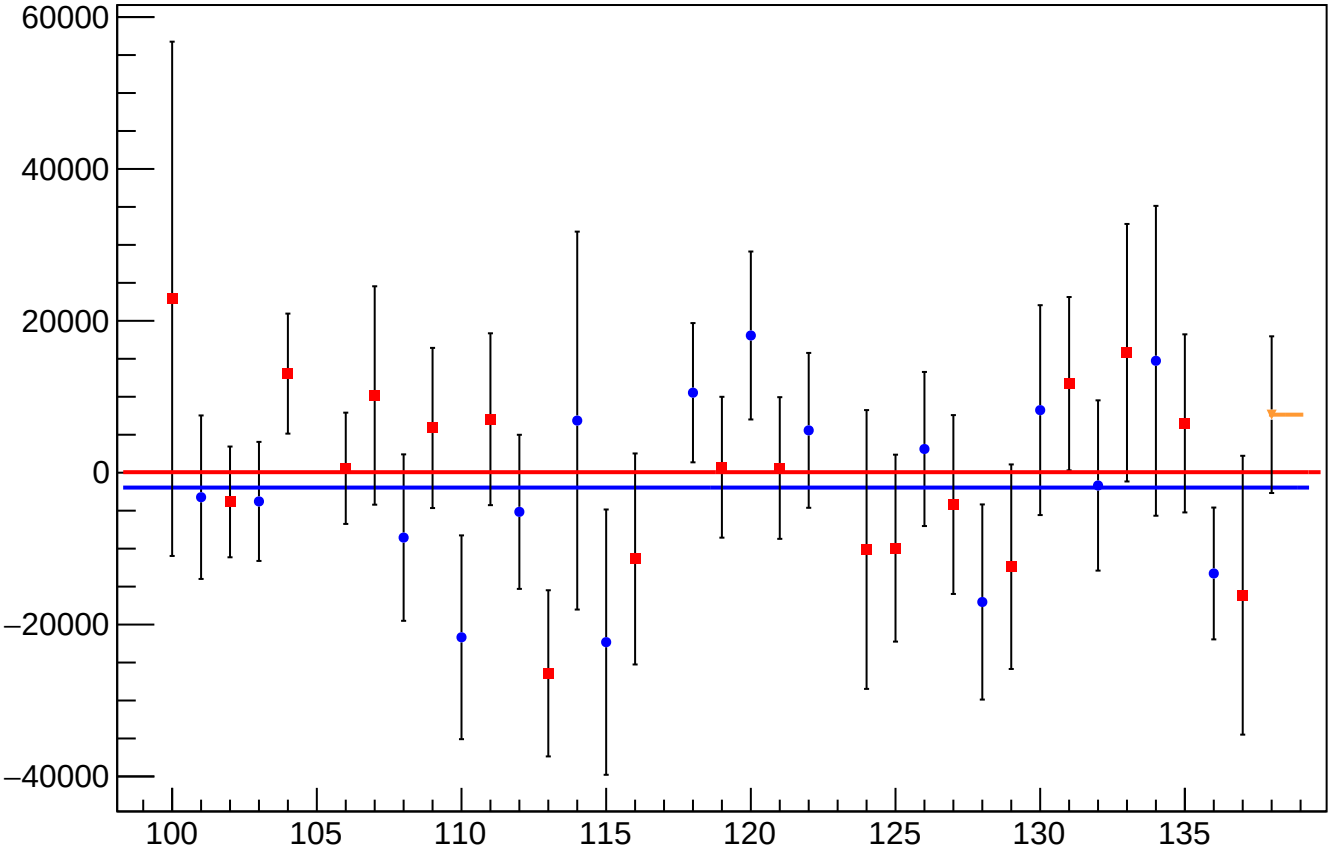
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1725.910+/-0.460 χ^2/NDF:365639.0/15

Out: 1718.886+/-0.435 χ^2/NDF:323058.7/19

All: 1722.199+/-0.316 χ^2/NDF: 688820.7/35

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: 7642.487+/-10317.913 χ^2/NDF:0.0/0

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

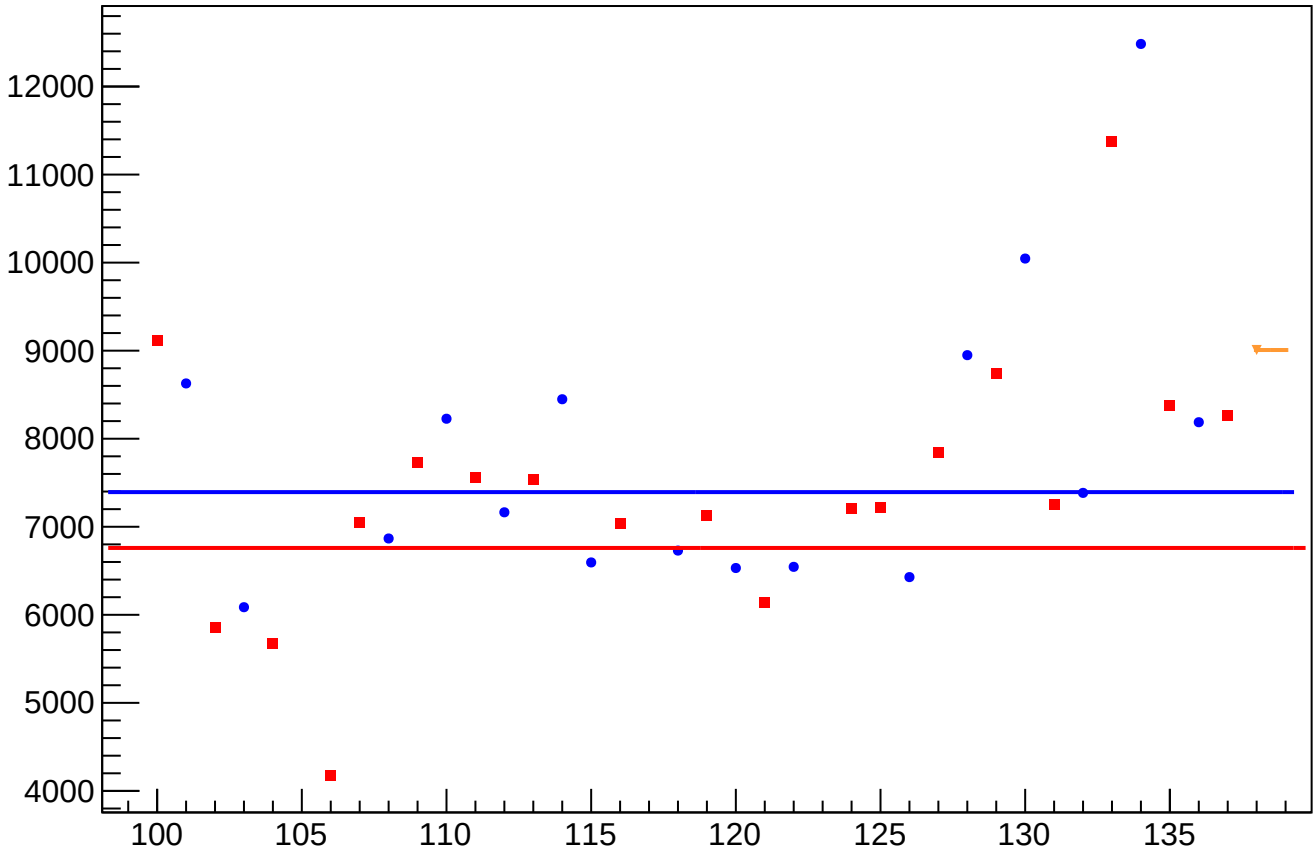
Left: 7642.487+/-10317.913 χ^2/NDF: 0.0/0

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -1958.538+/-2798.302 χ^2/NDF:14.4/15

Out: 497.590+/-2456.770 χ^2/NDF:16.6/19

All: -571.519+/-1846.206 χ^2/NDF: 31.4/35



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 9007.535+/-7.296 χ^2/NDF:0.0/0

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9007.535+/-7.296 χ^2/NDF: 0.0/0

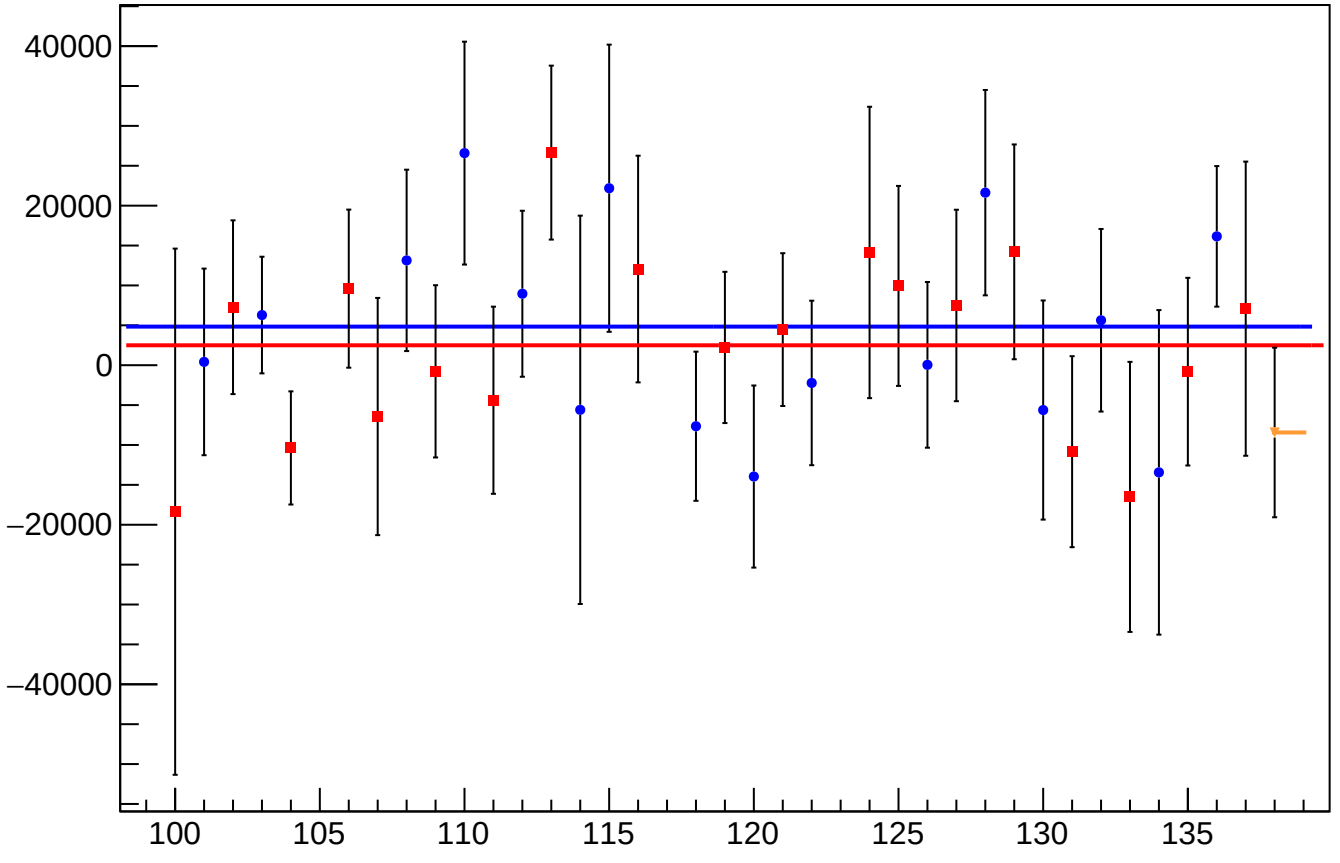
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7393.605+/-1.979 χ^2/NDF:401829.0/15

Out: 6886.871+/-1.737 χ^2/NDF:733854.6/19

All: 7107.443+/-1.305 χ^2/NDF: 1172720.4/35

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -8433.311+/-10629.635 χ^2/NDF:0.0/0

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -8433.311+/-10629.635 χ^2/NDF: 0.0/0

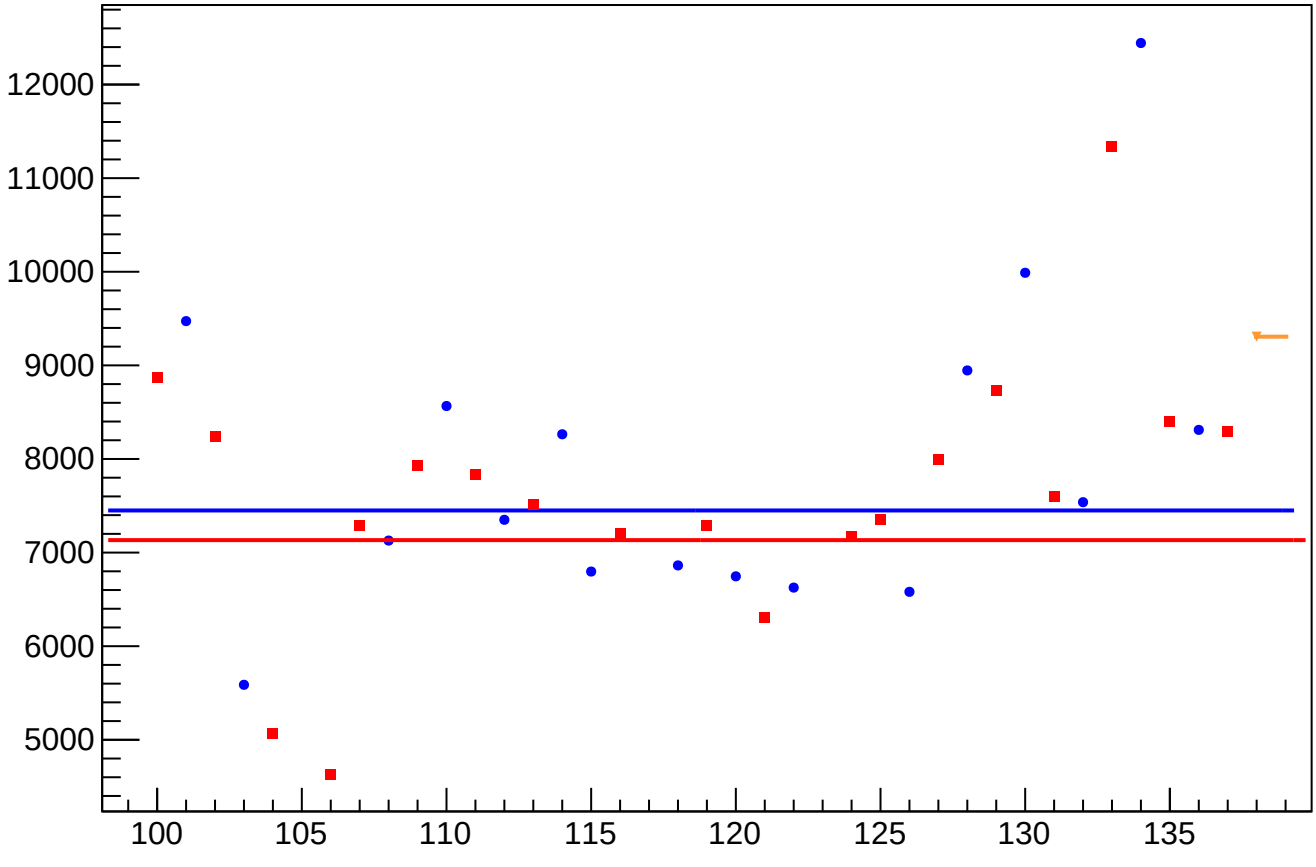
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 4837.820+/-2828.918 χ^2/NDF:14.3/15

Out: 1835.498+/-2612.829 χ^2/NDF:15.9/19

All: 3217.626+/-1919.401 χ^2/NDF: 30.9/35

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 9306.553+/-7.516 χ^2/NDF:0.0/0

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

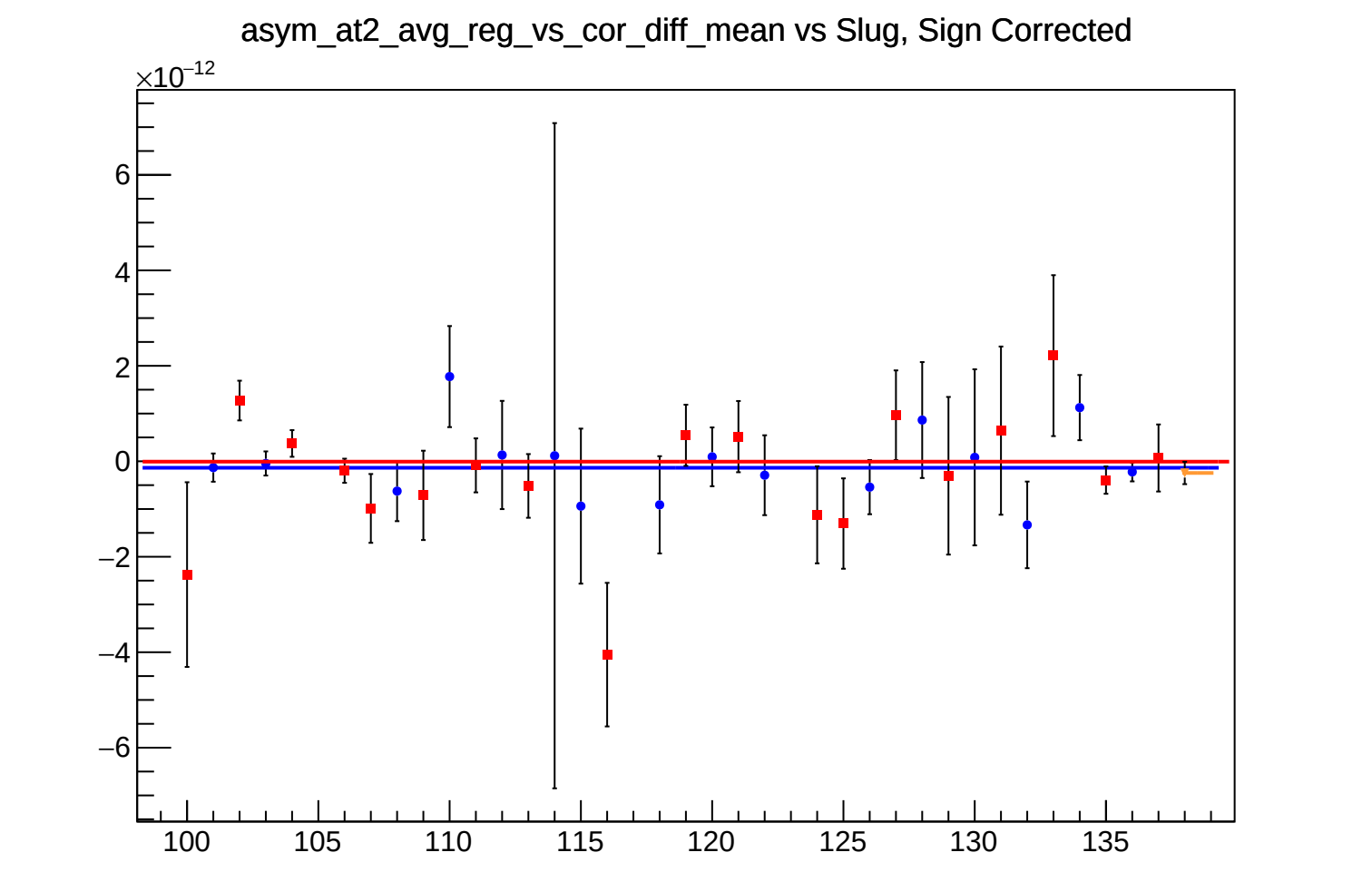
Left: 9306.553+/-7.516 χ^2/NDF: 0.0/0

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7449.985+/-2.000 χ^2/NDF:486427.7/15

Out: 7264.418+/-1.847 χ^2/NDF:635557.2/19

All: 7349.839+/-1.357 χ^2/NDF: 1126629.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

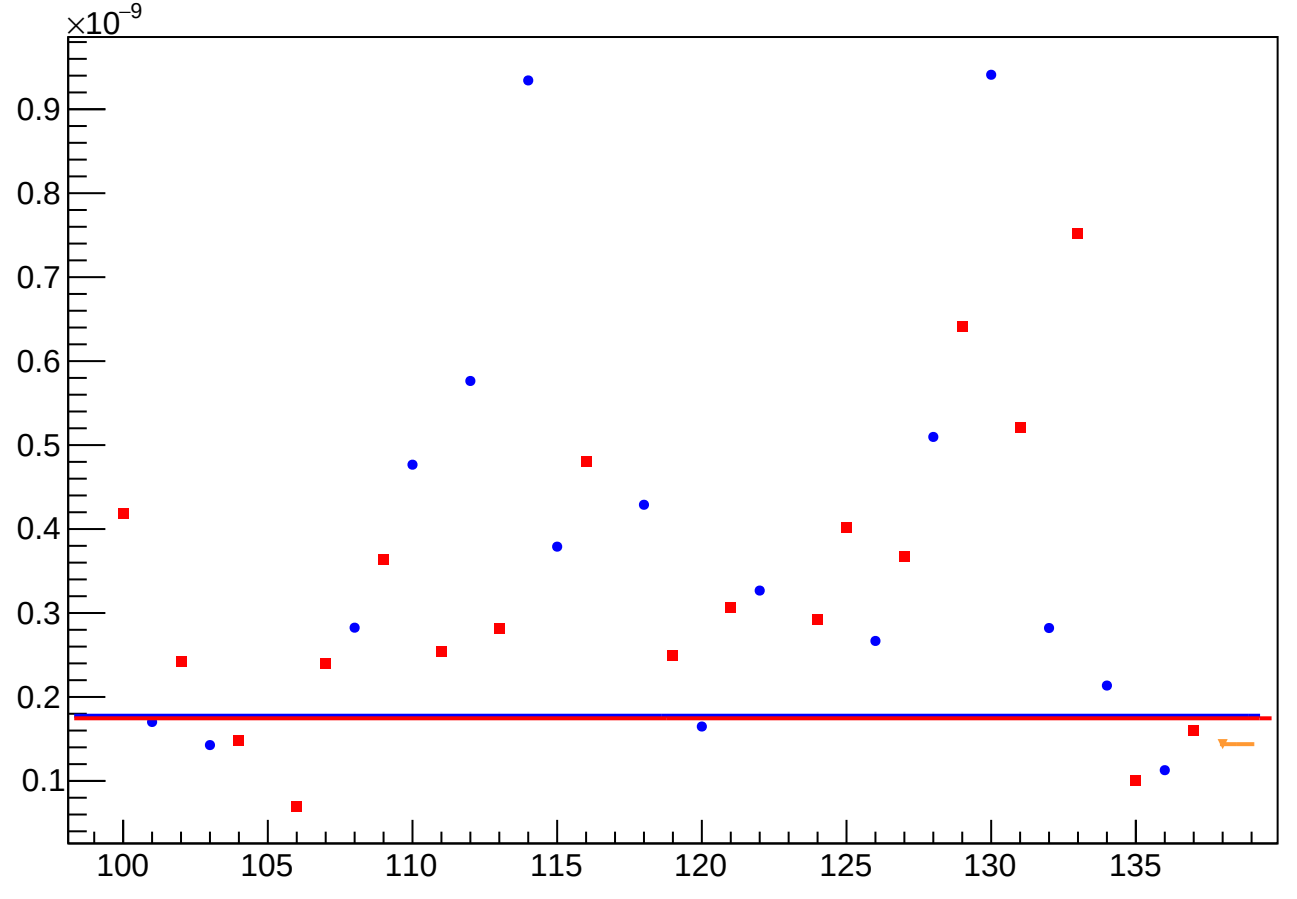
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:11.6/15

Out: -0.000+/-0.000 χ^2/NDF:33.6/19

All: -0.000+/-0.000 χ^2/NDF: 45.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

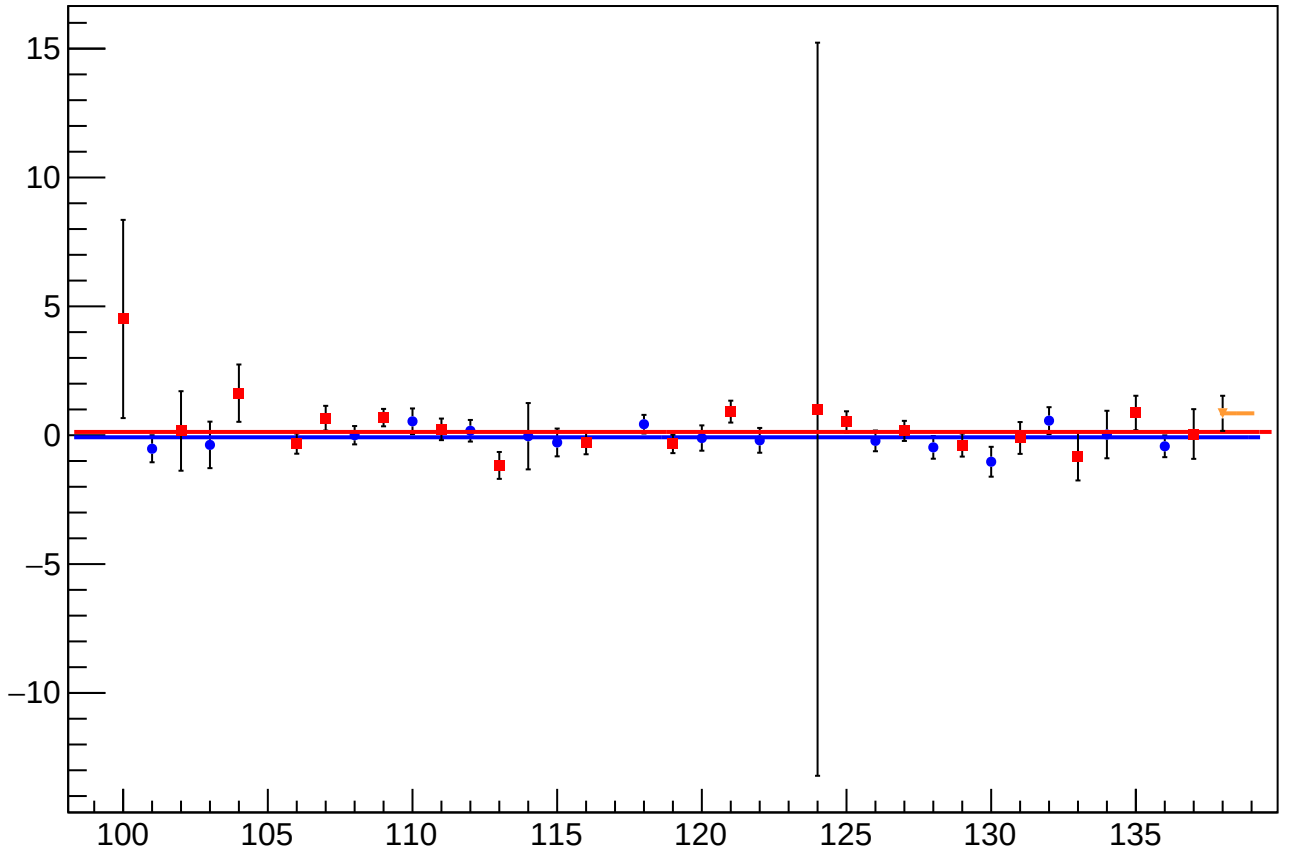
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:1530066.8/15

Out: 0.000+/-0.000 χ^2/NDF:1668428.7/19

All: 0.000+/-0.000 χ^2/NDF: 3205691.5/35



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.850+/-0.681 χ^2/NDF:0.0/0

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

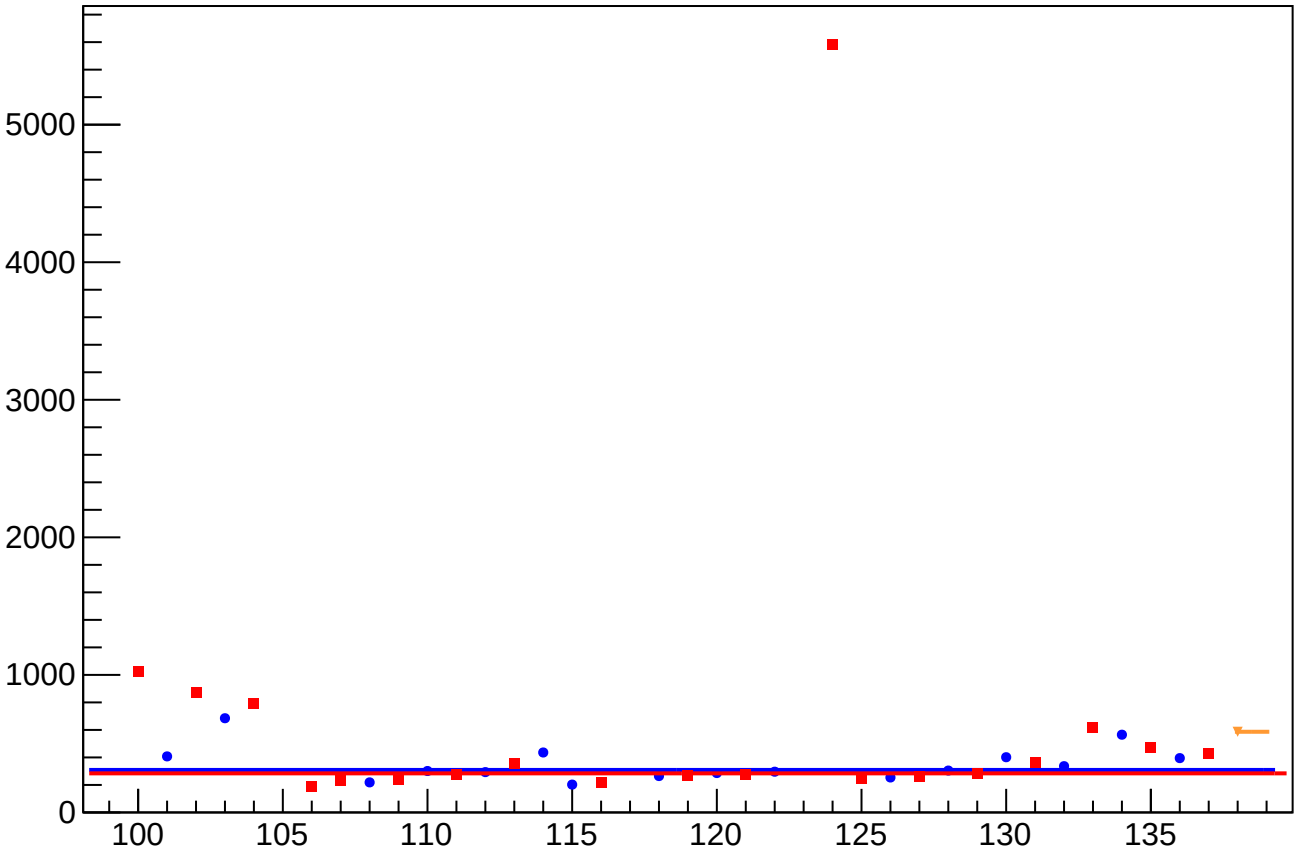
Left: 0.850+/-0.681 χ^2/NDF: 0.0/0

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.080+/-0.122 χ^2/NDF:10.8/15

Out: 0.148+/-0.115 χ^2/NDF:26.4/19

All: 0.041+/-0.084 χ^2/NDF: 39.0/35



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 586.587+/-0.482 χ^2/NDF:0.0/0

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

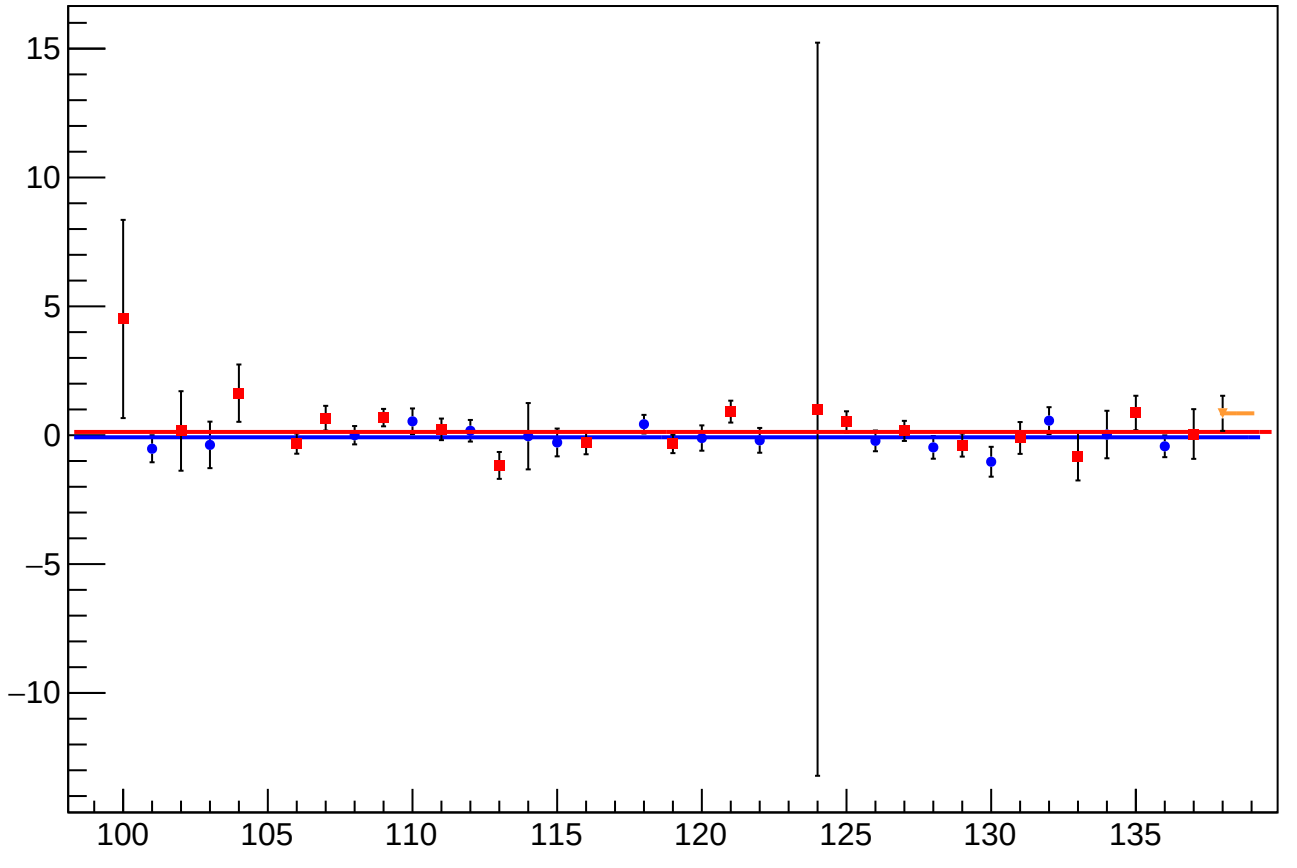
Left: 586.587+/-0.482 χ^2/NDF: 0.0/0

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 309.093+/-0.086 χ^2/NDF:1014604.9/15

Out: 292.836+/-0.081 χ^2/NDF:2239078.8/19

All: 300.510+/-0.059 χ^2/NDF: 3272475.9/35



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.850+/-0.681 χ^2/NDF:0.0/0

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

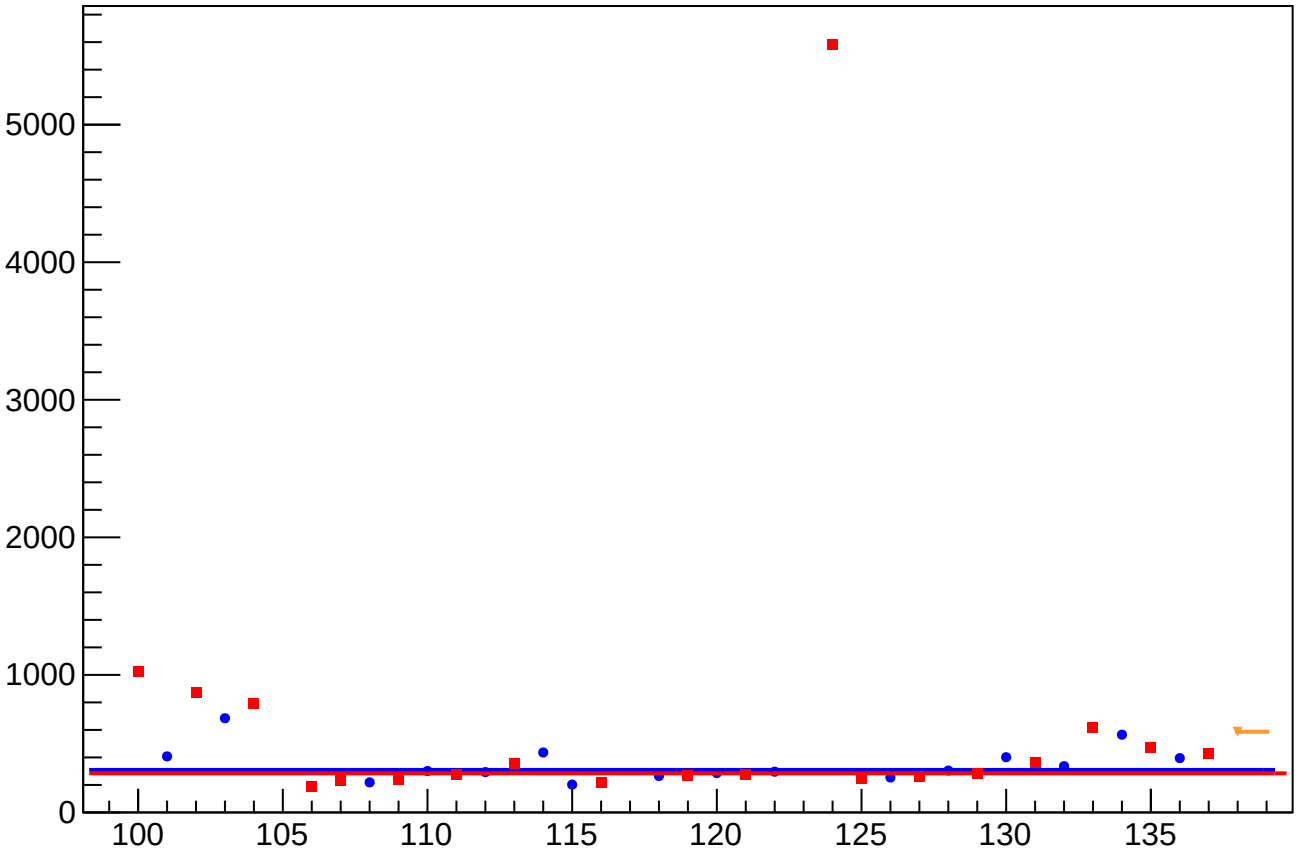
Left: 0.850+/-0.681 χ^2/NDF: 0.0/0

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.080+/-0.122 χ^2/NDF:10.8/15

Out: 0.148+/-0.115 χ^2/NDF:26.4/19

All: 0.041+/-0.084 χ^2/NDF: 39.0/35



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 586.587+/-0.482 χ^2/NDF:0.0/0

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

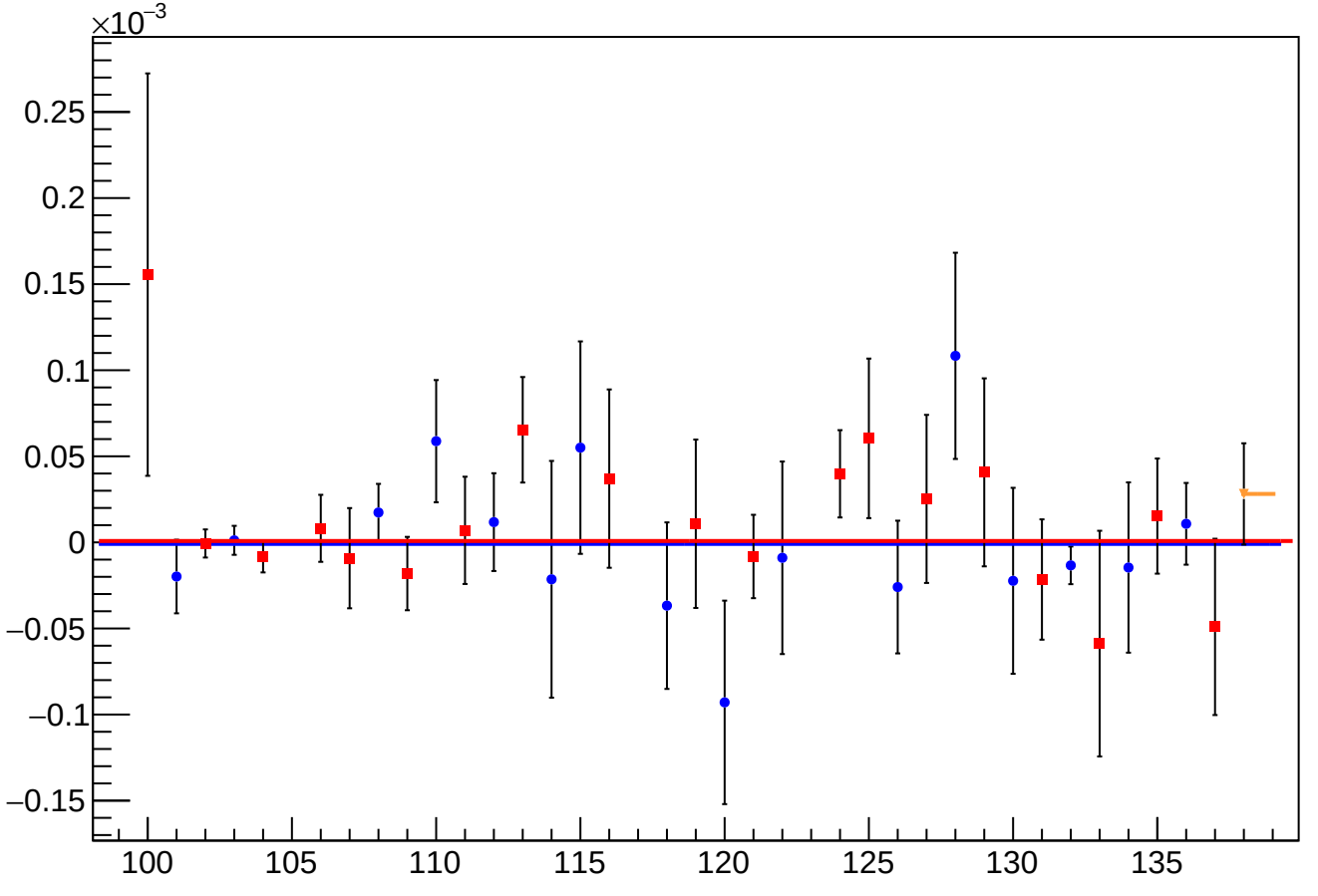
Left: 586.587+/-0.482 χ^2/NDF: 0.0/0

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 309.093+/-0.086 χ^2/NDF:1014604.9/15

Out: 292.836+/-0.081 χ^2/NDF:2239078.8/19

All: 300.510+/-0.059 χ^2/NDF: 3272475.9/35



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

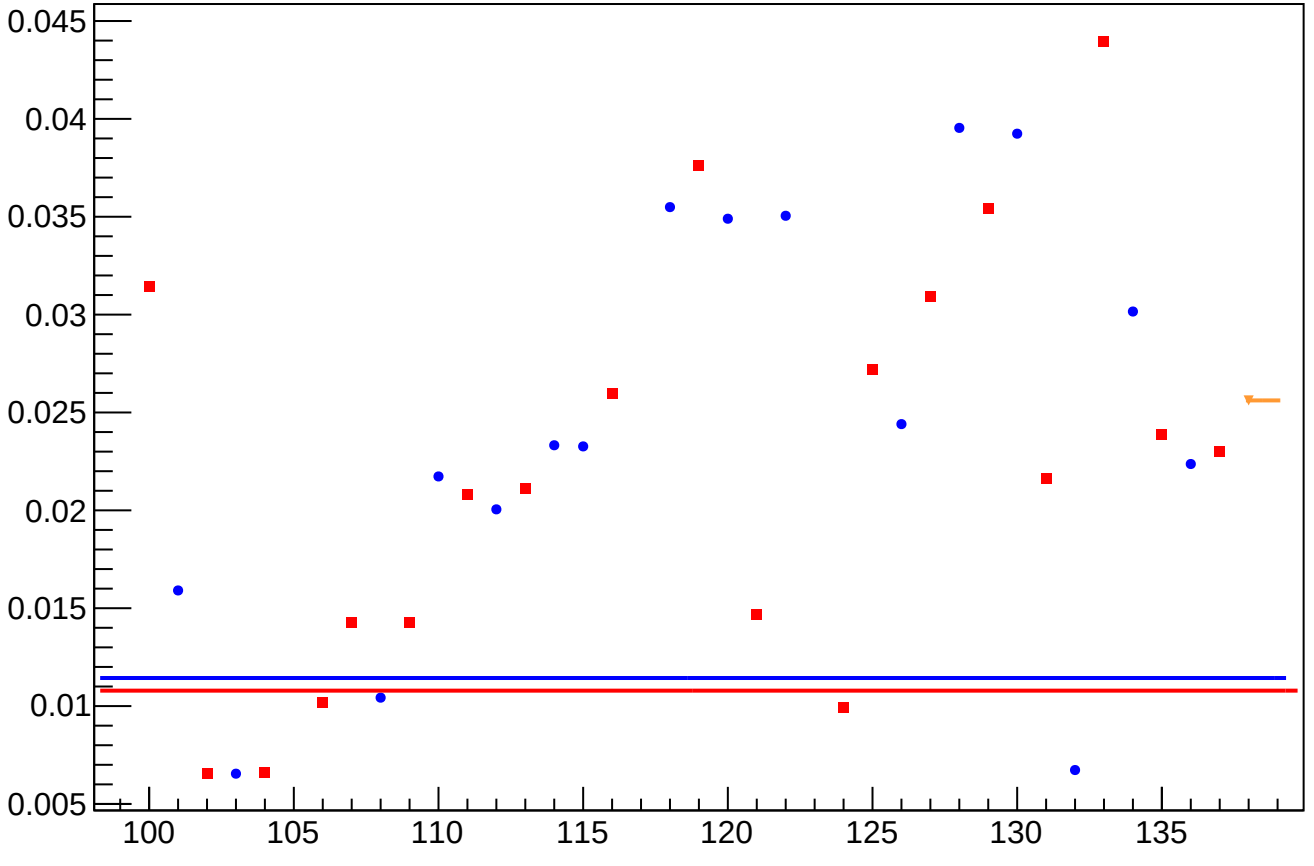
Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:14.5/15

Out: 0.000+/-0.000 χ^2/NDF:17.0/19

All: 0.000+/-0.000 χ^2/NDF: 31.6/35

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.026+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

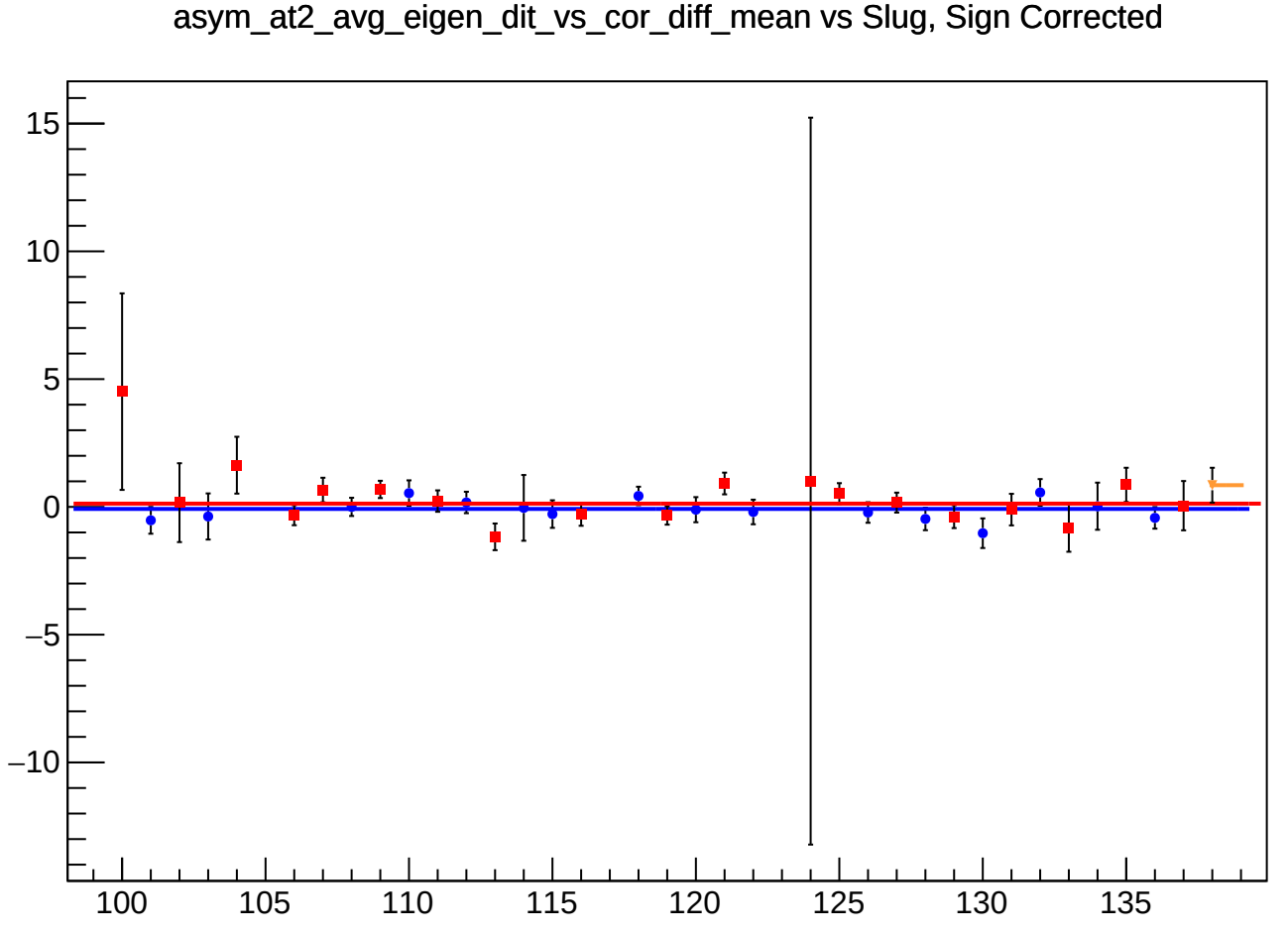
Left: 0.026+/-0.000 χ^2/NDF: 0.0/0

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.011+/-0.000 χ^2/NDF:4699938.2/15

Out: 0.011+/-0.000 χ^2/NDF:4968605.8/19

All: 0.011+/-0.000 χ^2/NDF: 9671068.2/35



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.850+/-0.681 χ^2/NDF:0.0/0

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

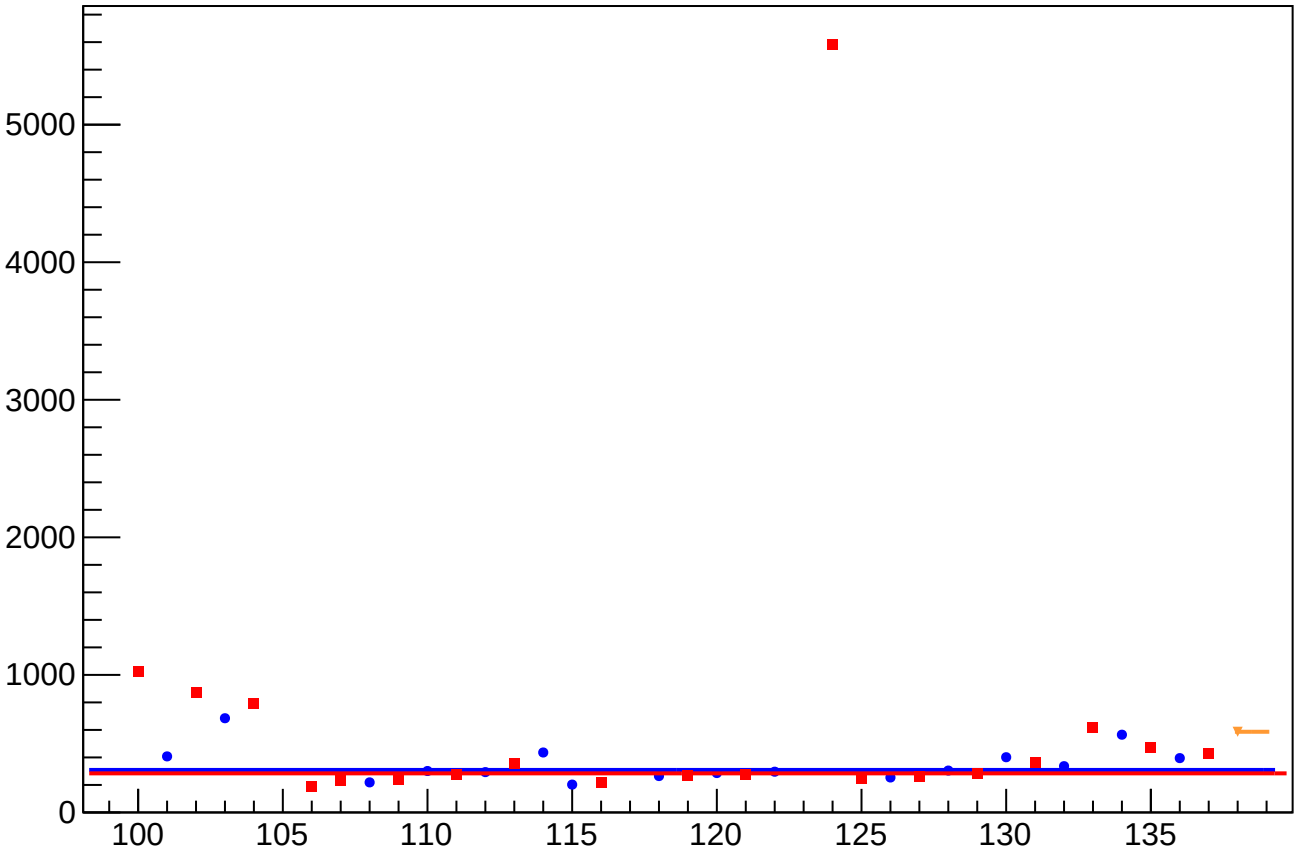
Left: 0.850+/-0.681 χ^2/NDF: 0.0/0

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.080+/-0.122 χ^2/NDF:10.8/15

Out: 0.148+/-0.115 χ^2/NDF:26.4/19

All: 0.041+/-0.084 χ^2/NDF: 39.0/35



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 586.593+/-0.482 χ^2/NDF:0.0/0

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 586.593+/-0.482 χ^2/NDF: 0.0/0

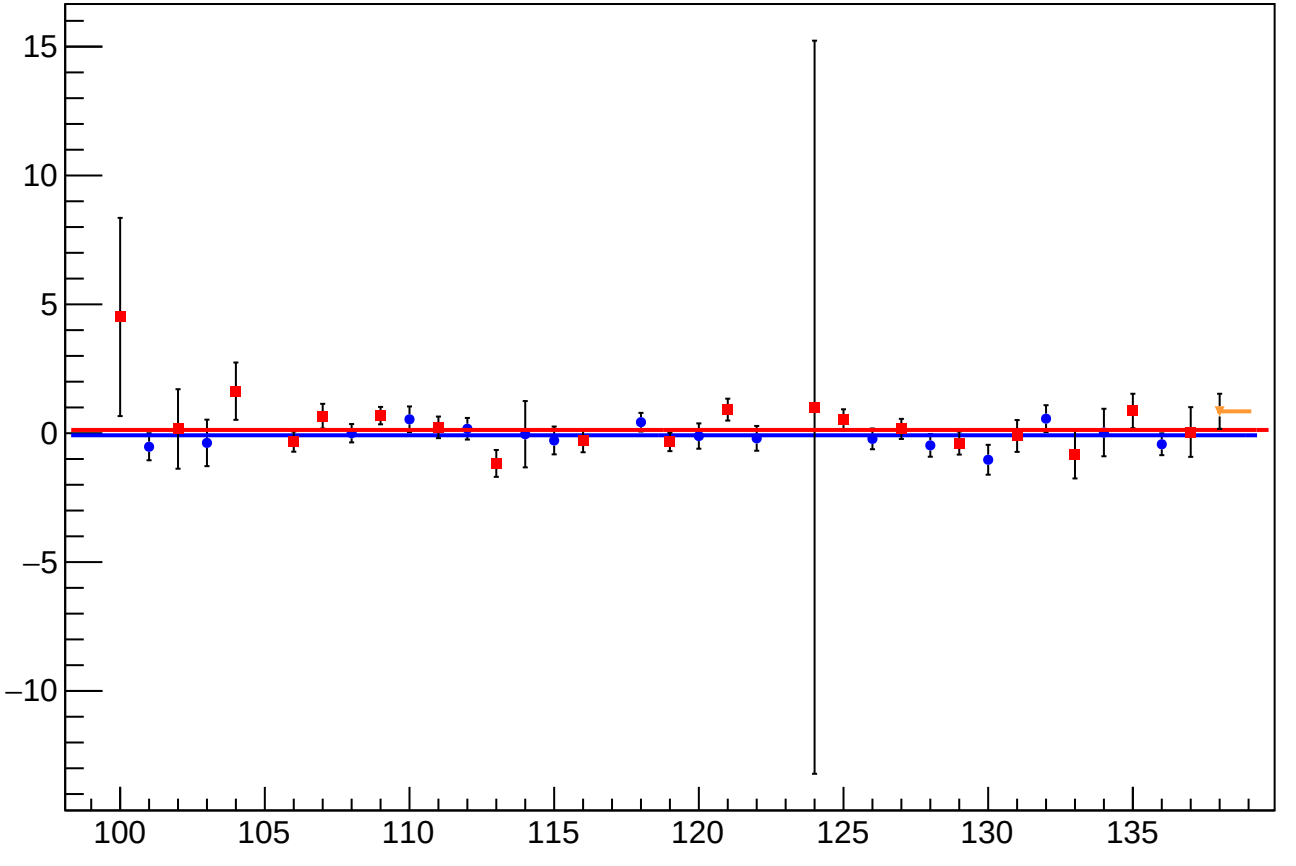
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 309.093+/-0.086 χ^2/NDF:1014573.4/15

Out: 292.835+/-0.081 χ^2/NDF:2239072.5/19

All: 300.509+/-0.059 χ^2/NDF: 3272437.9/35

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: 0.850+/-0.681 χ^2/NDF:0.0/0

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

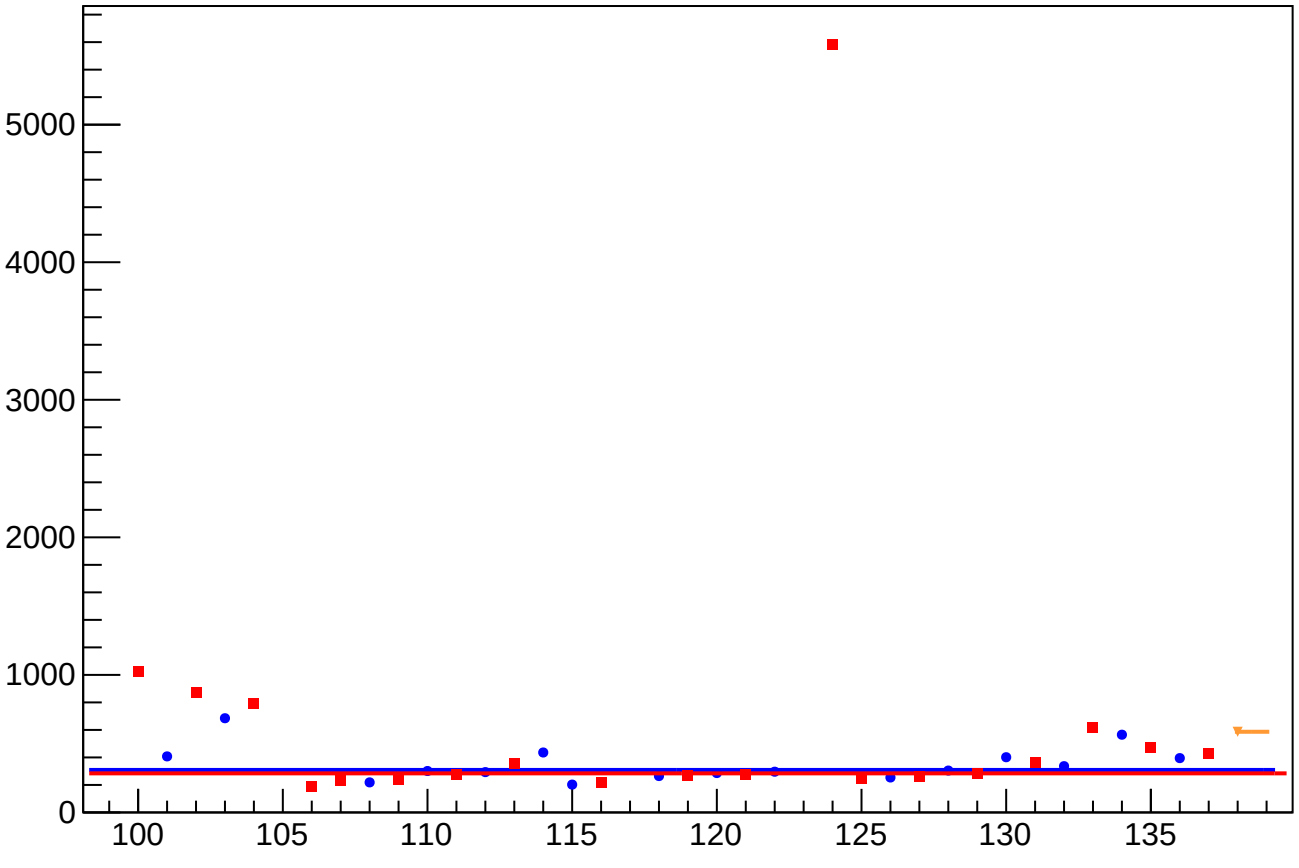
Left: 0.850+/-0.681 χ^2/NDF: 0.0/0

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.080+/-0.122 χ^2/NDF:10.8/15

Out: 0.148+/-0.115 χ^2/NDF:26.4/19

All: 0.041+/-0.084 χ^2/NDF: 39.0/35



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 586.593+/-0.482 χ^2/NDF:0.0/0

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

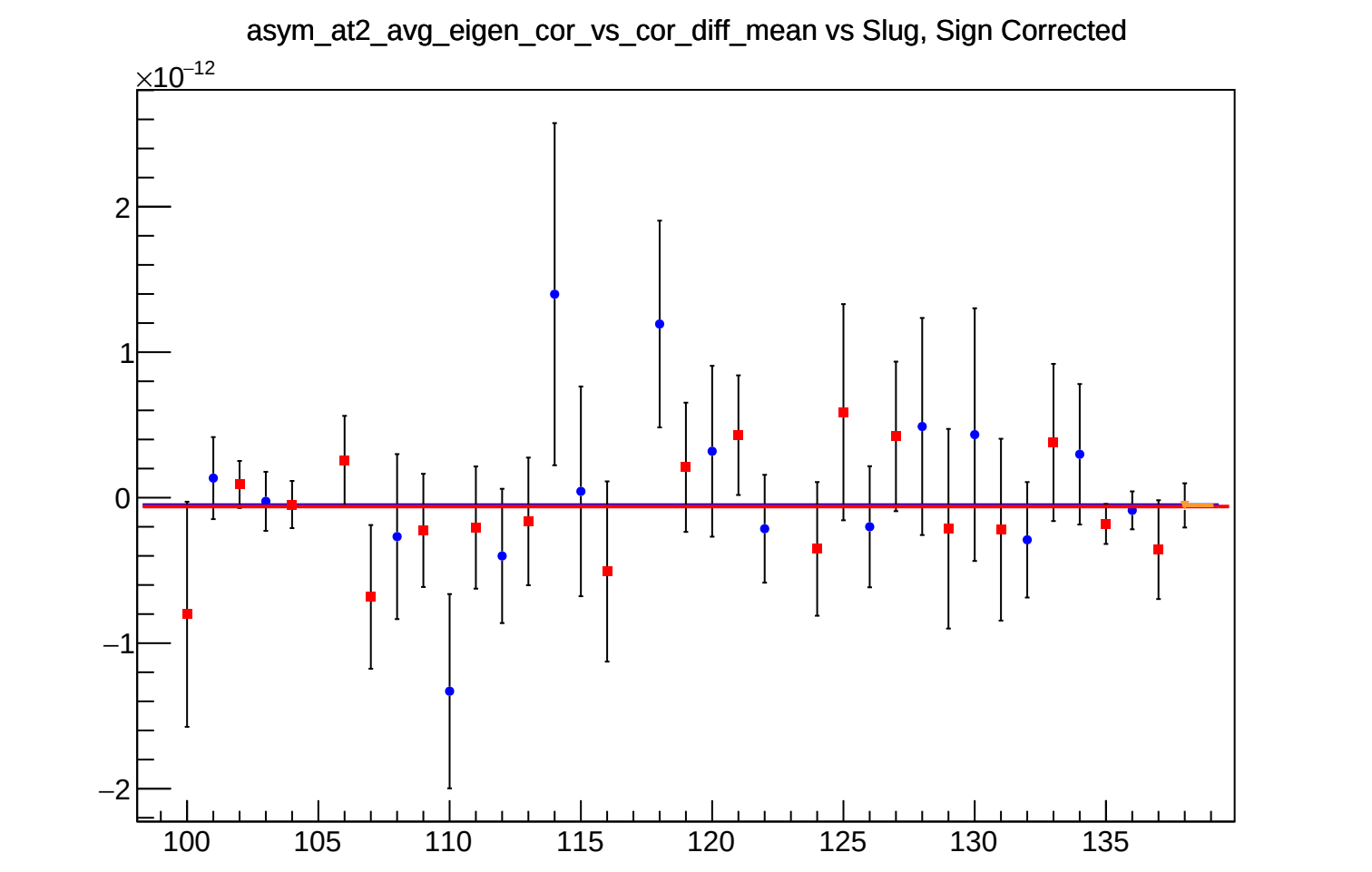
Left: 586.593+/-0.482 χ^2/NDF: 0.0/0

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 309.093+/-0.086 χ^2/NDF:1014573.4/15

Out: 292.835+/-0.081 χ^2/NDF:2239072.5/19

All: 300.509+/-0.059 χ^2/NDF: 3272437.9/35



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

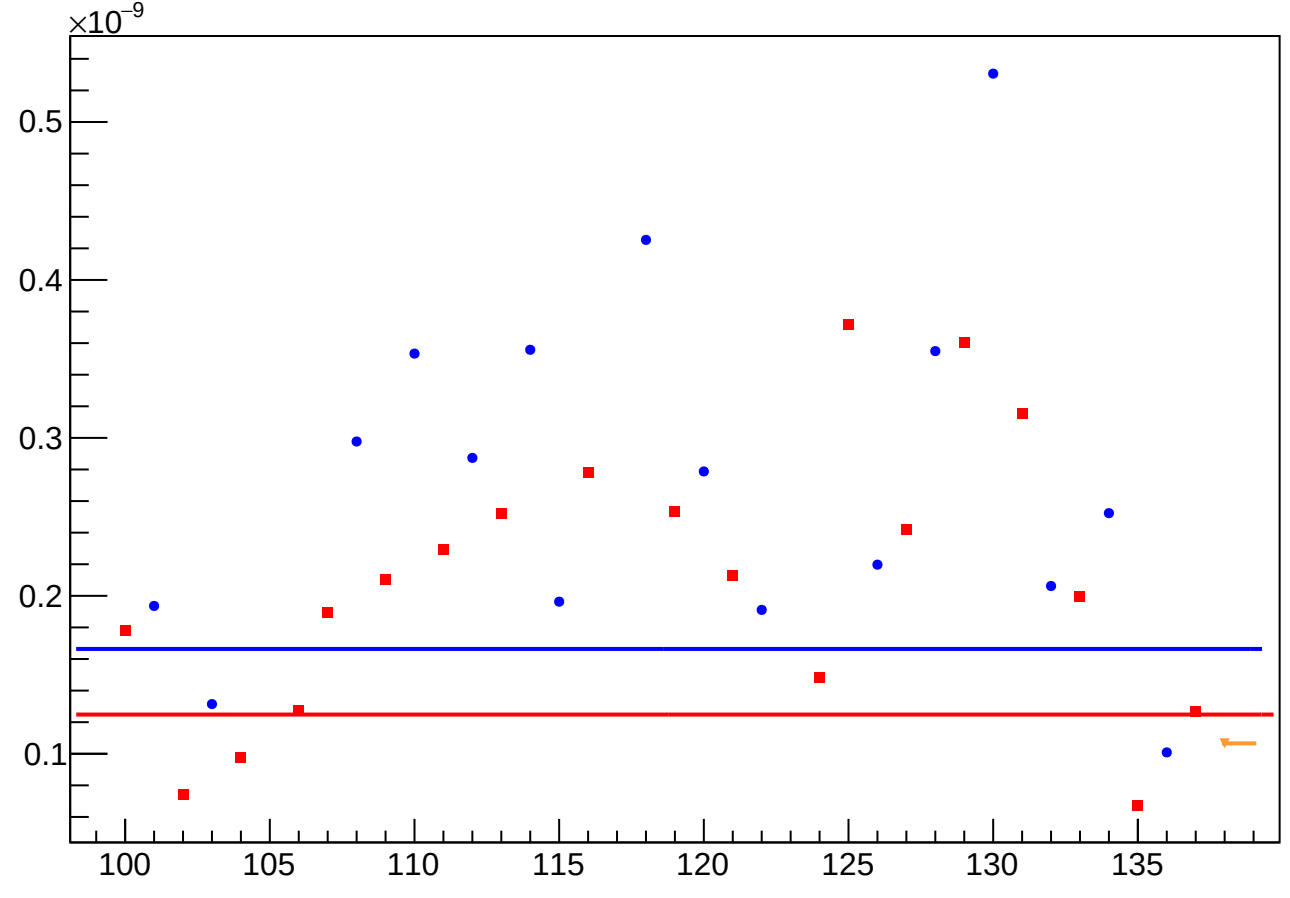
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:12.0/15

Out: -0.000+/-0.000 χ^2/NDF:11.4/19

All: -0.000+/-0.000 χ^2/NDF: 23.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

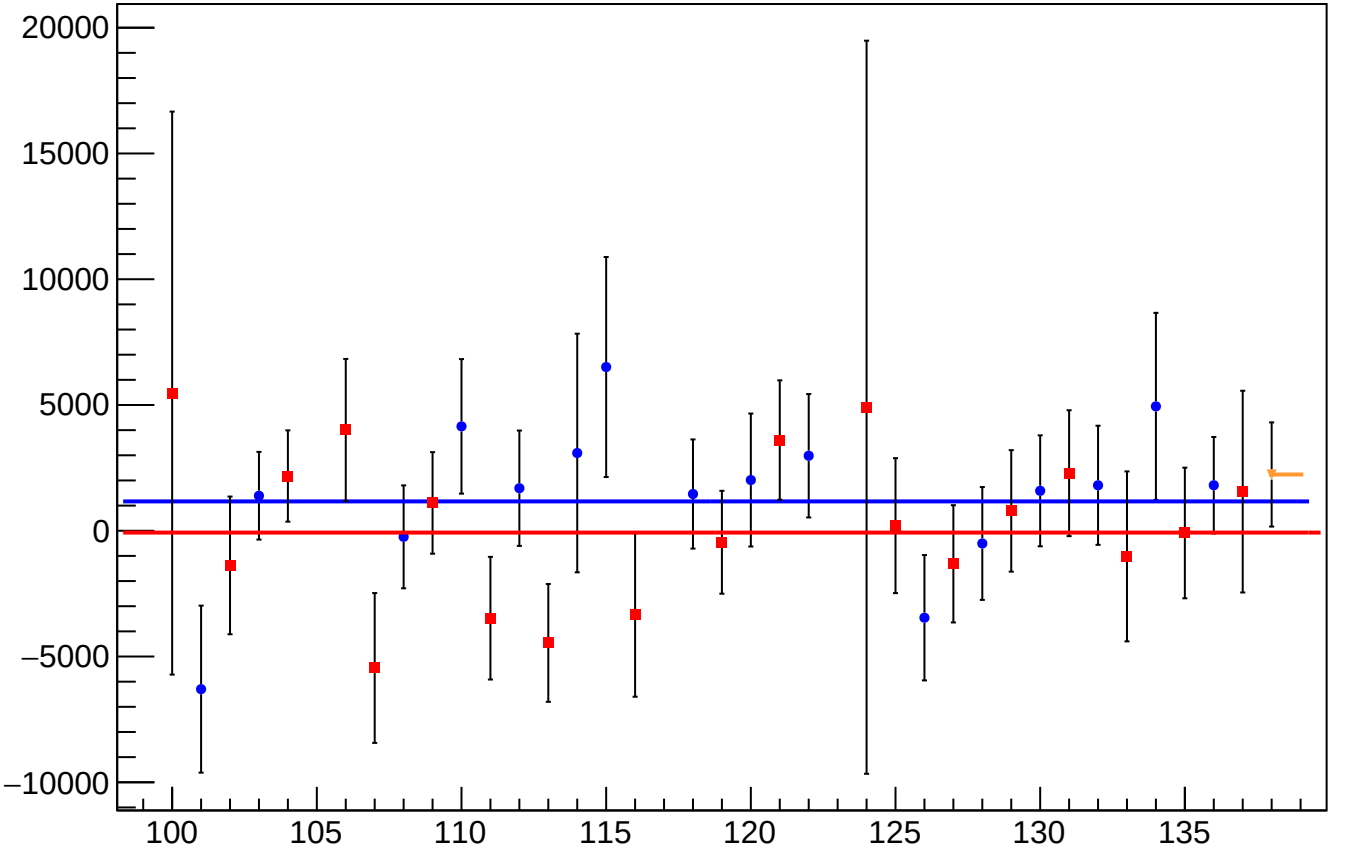
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:1984237.3/15

Out: 0.000+/-0.000 χ^2/NDF:2233324.0/19

All: 0.000+/-0.000 χ^2/NDF: 4575666.3/35

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 2237.294+/-2071.037 χ^2/NDF:0.0/0

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2237.294+/-2071.037 χ^2/NDF: 0.0/0

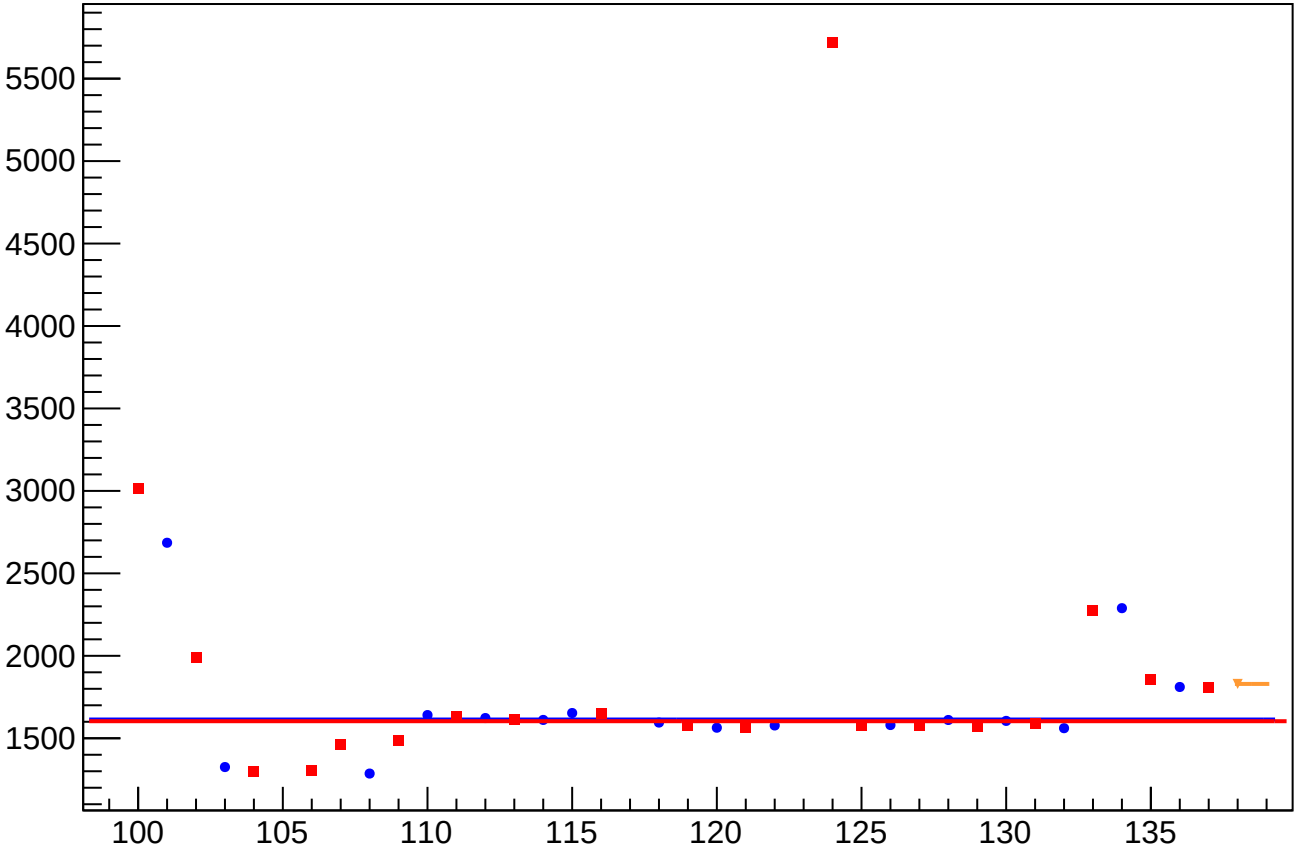
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 1166.862+/-609.171 χ^2/NDF:14.4/15

Out: 108.500+/-579.279 χ^2/NDF:19.4/19

All: 611.078+/-419.782 χ^2/NDF: 35.4/35

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1829.520+/-1.464 χ^2/NDF:0.0/0

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

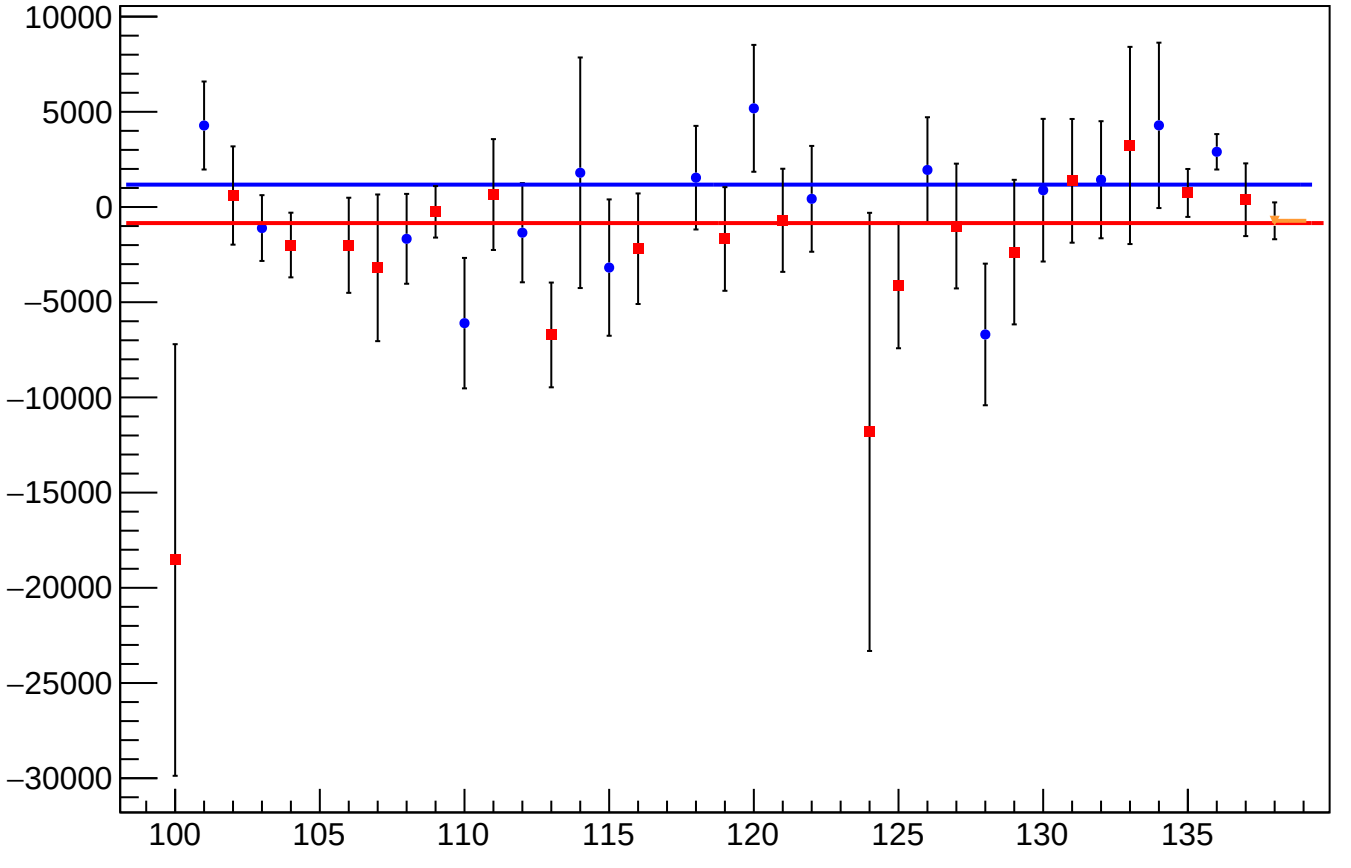
Left: 1829.520+/-1.464 χ^2/NDF: 0.0/0

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1613.674+/-0.431 χ^2/NDF:404688.5/15

Out: 1621.150+/-0.410 χ^2/NDF:447757.2/19

All: 1617.600+/-0.297 χ^2/NDF: 852603.9/35



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: -724.962+/-967.626 χ^2/NDF:0.0/0

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

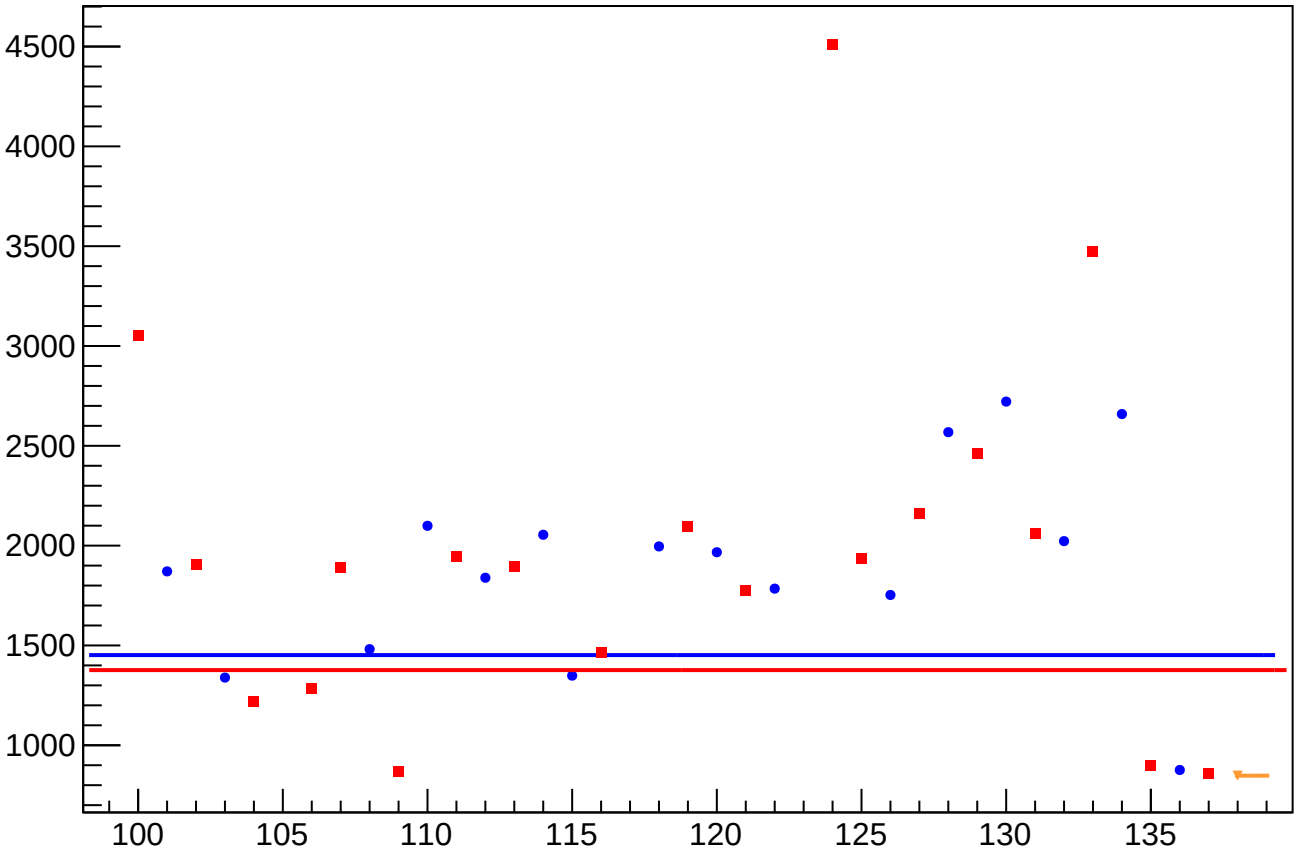
Left: -724.962+/-967.626 χ^2/NDF: 0.0/0

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 1175.479+/-579.062 χ^2/NDF:22.0/15

Out: -814.230+/-483.020 χ^2/NDF:14.3/19

All: 2.156+/-370.919 χ^2/NDF: 43.2/35



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 847.717+/-0.684 χ^2/NDF:0.0/0

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

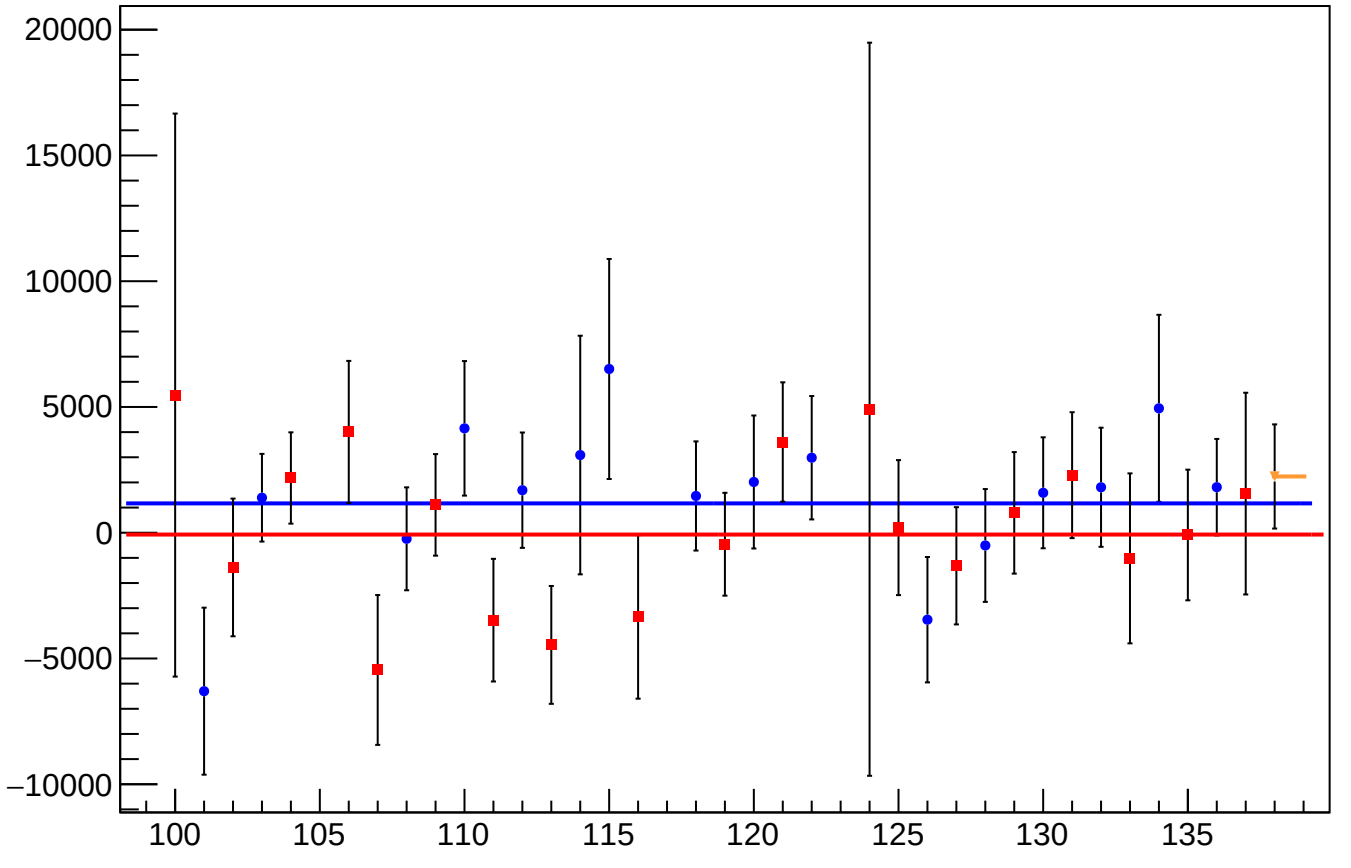
Left: 847.717+/-0.684 χ^2/NDF: 0.0/0

Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1451.631+/-0.409 χ^2/NDF:1790839.5/15

Out: 1244.715+/-0.342 χ^2/NDF:2580441.6/19

All: 1329.614+/-0.262 χ^2/NDF: 4521871.3/35



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 2237.191+/-2071.037 χ^2/NDF:0.0/0

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2237.191+/-2071.037 χ^2/NDF: 0.0/0

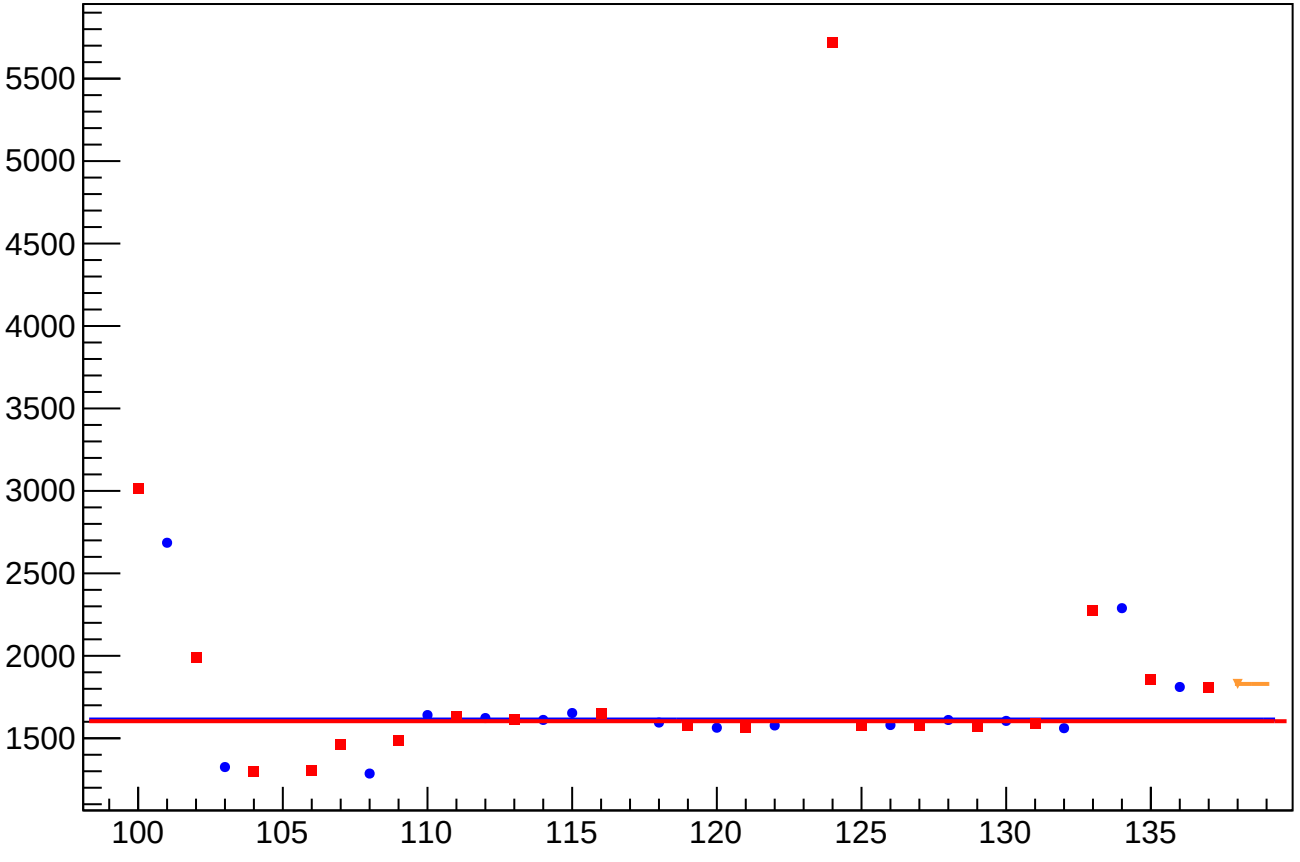
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 1166.769+/-609.171 χ^2/NDF:14.4/15

Out: 108.199+/-579.279 χ^2/NDF:19.4/19

All: 610.875+/-419.782 χ^2/NDF: 35.4/35

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1829.520+/-1.464 χ^2/NDF:0.0/0

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

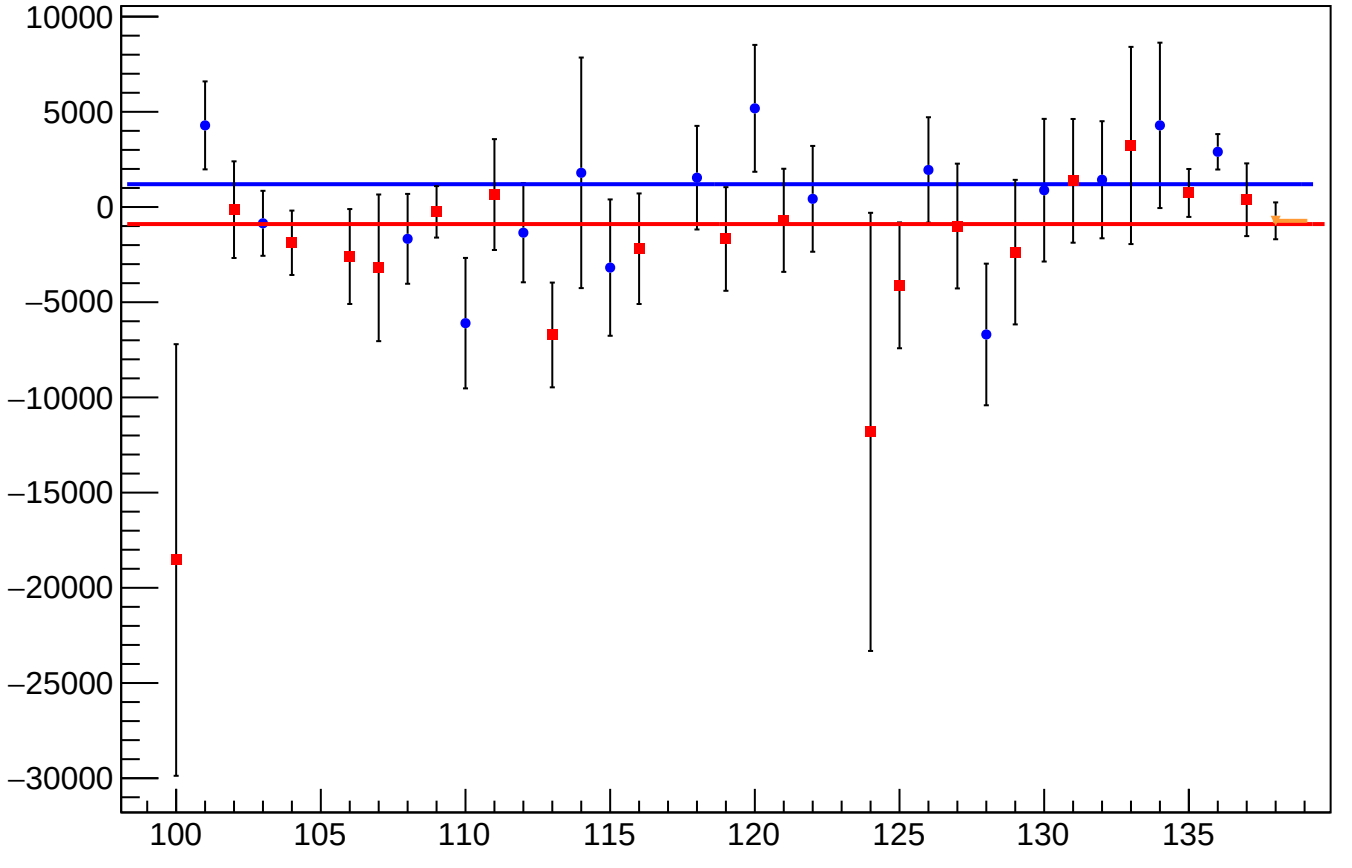
Left: 1829.520+/-1.464 χ^2/NDF: 0.0/0

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1613.674+/-0.431 χ^2/NDF:404688.8/15

Out: 1621.150+/-0.410 χ^2/NDF:447757.2/19

All: 1617.599+/-0.297 χ^2/NDF: 852604.1/35



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: -724.951+/-967.626 χ^2/NDF:0.0/0

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

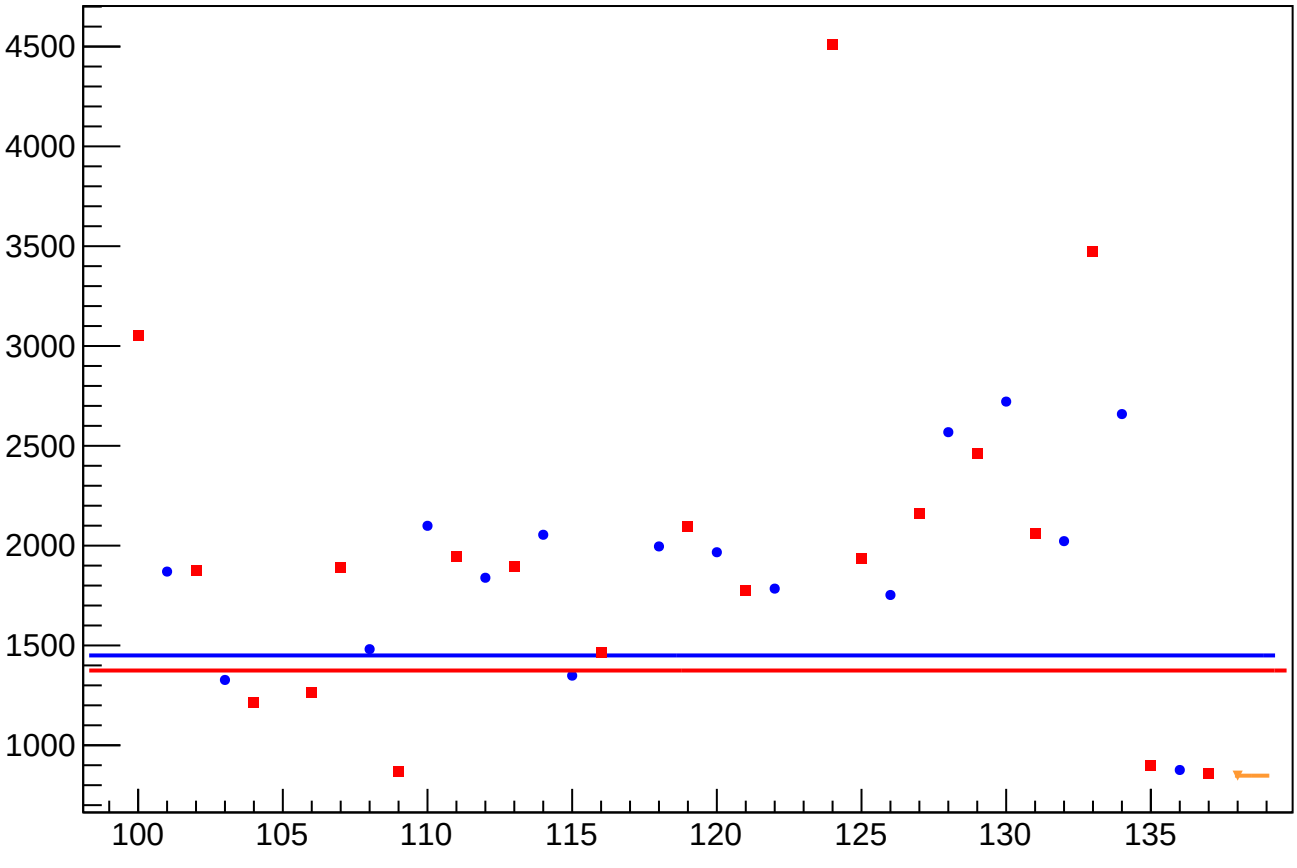
Left: -724.951+/-967.626 χ^2/NDF: 0.0/0

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 1198.338+/-578.240 χ^2/NDF:21.7/15

Out: -853.063+/-482.517 χ^2/NDF:14.2/19

All: -10.987+/-370.475 χ^2/NDF: 43.3/35



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 847.717+/-0.684 χ^2/NDF:0.0/0

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 847.717+/-0.684 χ^2/NDF: 0.0/0

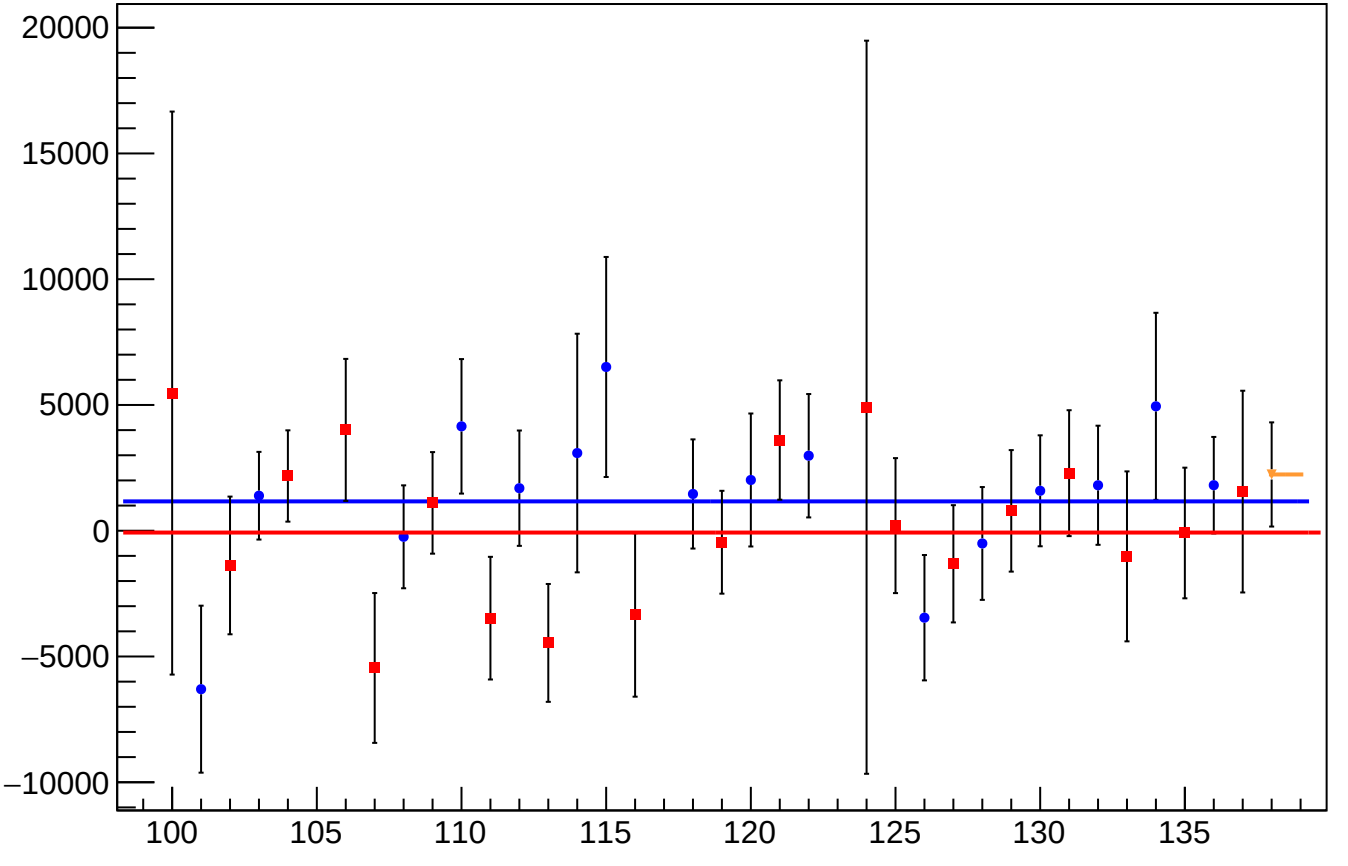
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1449.939+/-0.409 χ^2/NDF:1792673.2/15

Out: 1243.462+/-0.341 χ^2/NDF:2572953.3/19

All: 1328.218+/-0.262 χ^2/NDF: 4515957.3/35

eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 2237.191+/-2071.037 χ^2/NDF:0.0/0

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2237.191+/-2071.037 χ^2/NDF: 0.0/0

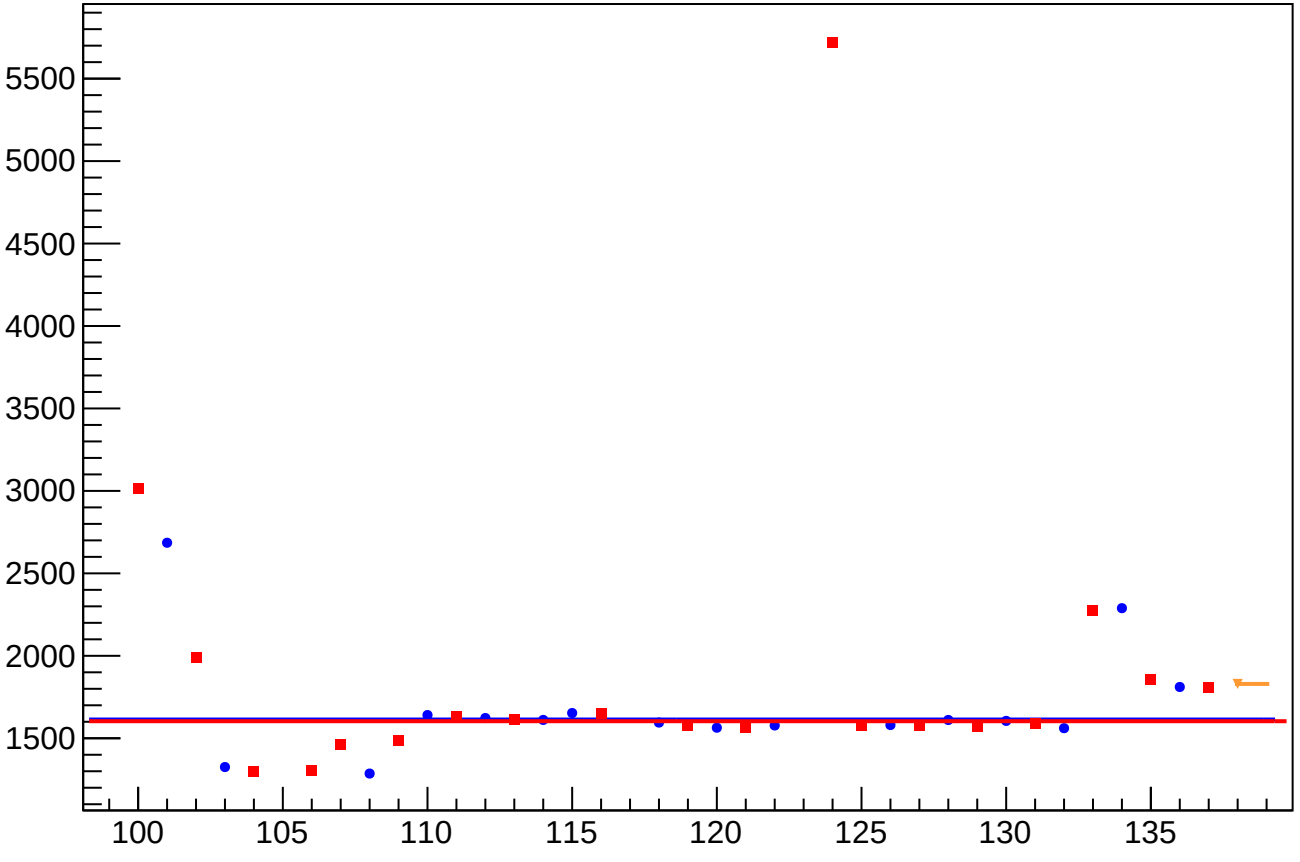
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 1166.769+/-609.171 χ^2/NDF:14.4/15

Out: 108.199+/-579.279 χ^2/NDF:19.4/19

All: 610.875+/-419.782 χ^2/NDF: 35.4/35

eigen_cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1829.520+/-0.464 χ^2/NDF:0.0/0

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1829.520+/-1.464 χ^2/NDF: 0.0/0

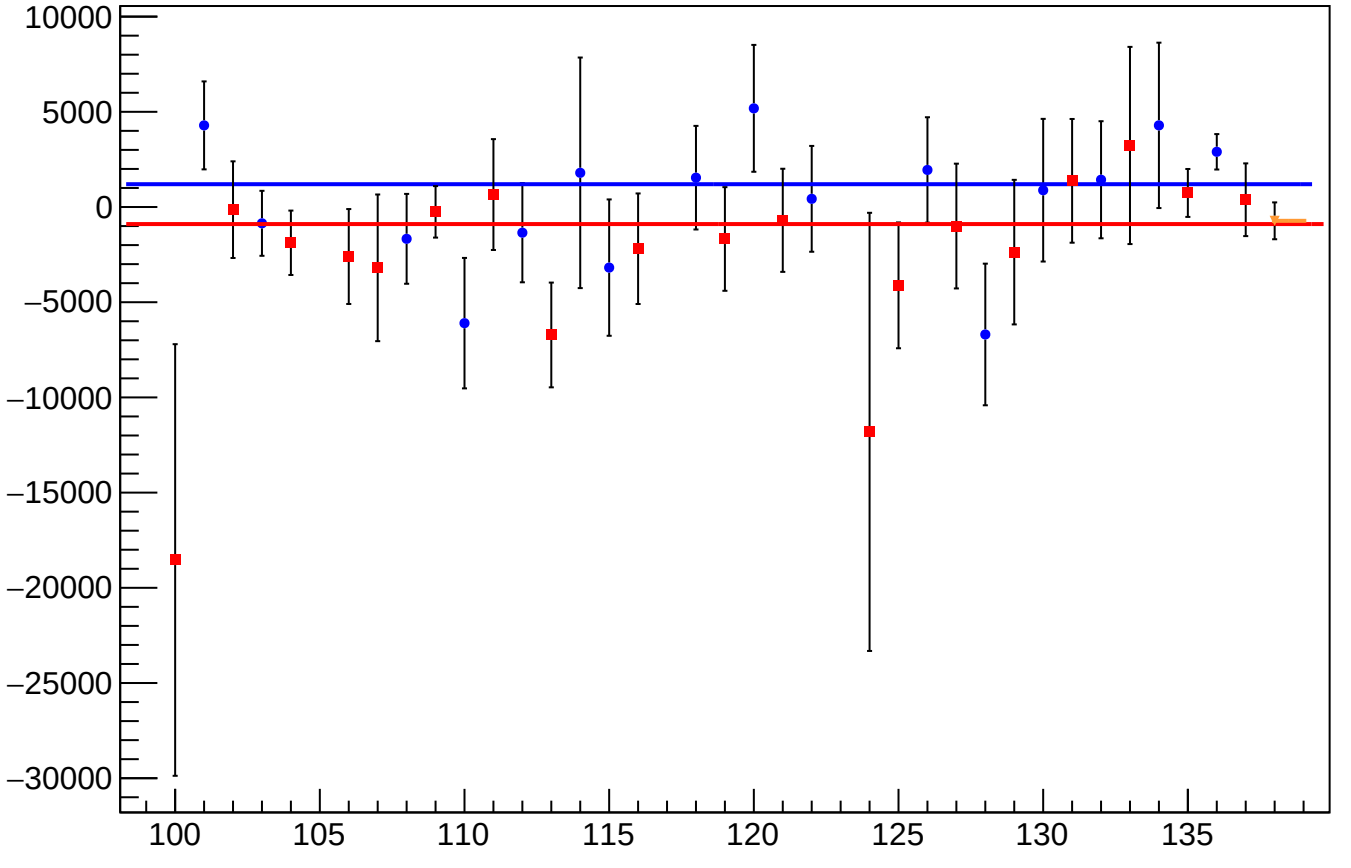
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1613.674+/-0.431 χ^2/NDF:404688.8/15

Out: 1621.150+/-0.410 χ^2/NDF:447757.2/19

All: 1617.599+/-0.297 χ^2/NDF: 852604.1/35

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: -724.951+/-967.626 χ^2/NDF:0.0/0

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

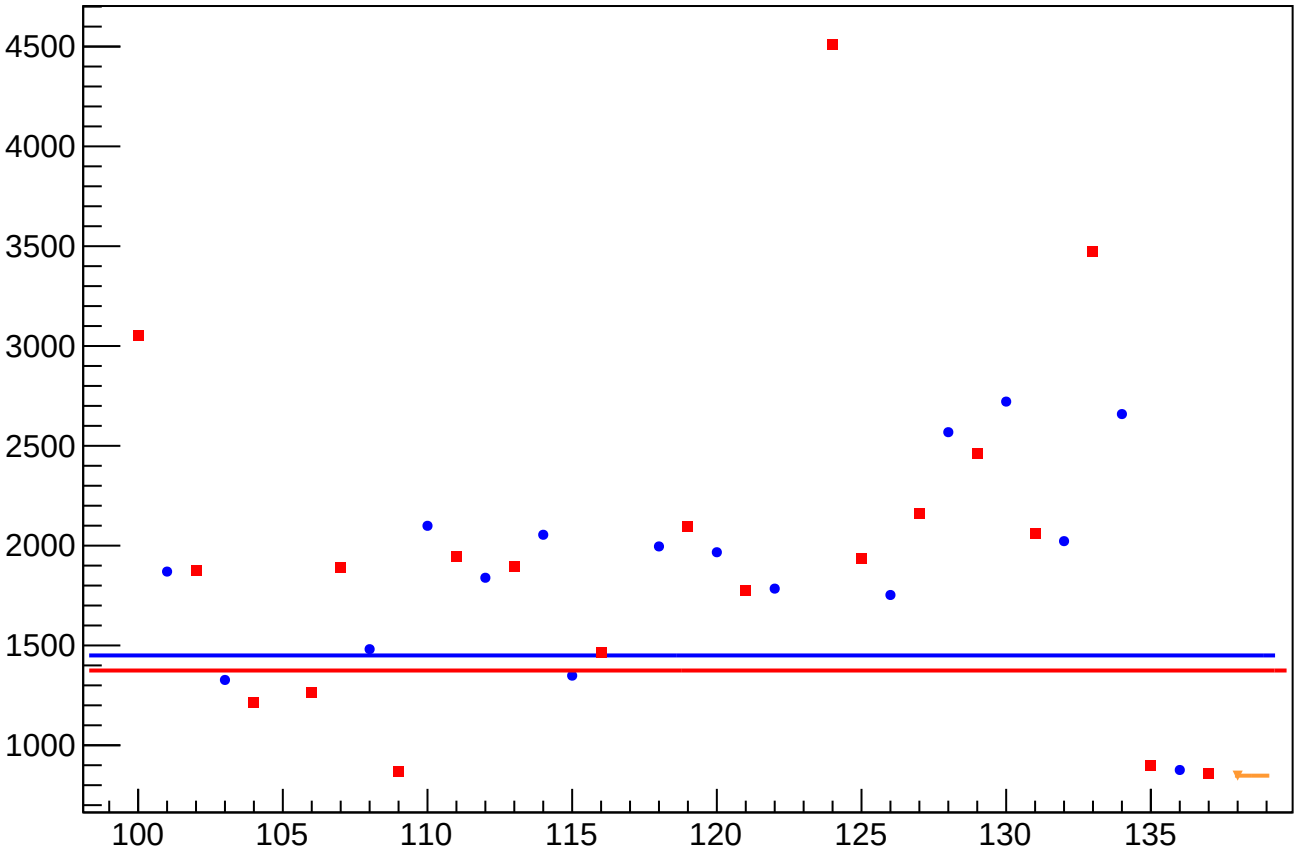
Left: -724.951+/-967.626 χ^2/NDF: 0.0/0

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 1198.338+/-578.240 χ^2/NDF:21.7/15

Out: -853.063+/-482.517 χ^2/NDF:14.2/19

All: -10.987+/-370.475 χ^2/NDF: 43.3/35



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 847.717+/-0.684 χ^2/NDF:0.0/0

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 847.717+/-0.684 χ^2/NDF: 0.0/0

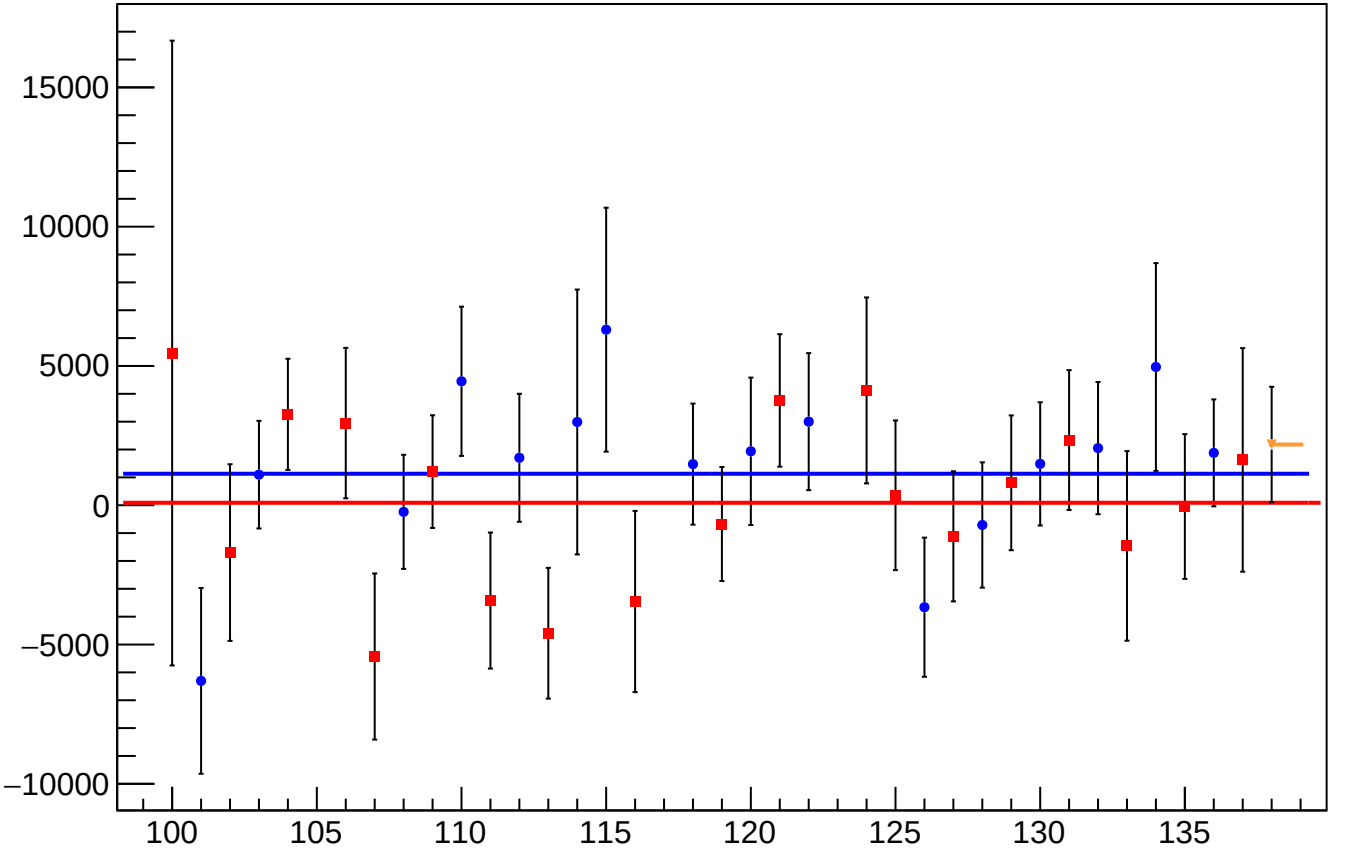
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1449.939+/-0.409 χ^2/NDF:1792673.2/15

Out: 1243.462+/-0.341 χ^2/NDF:2572953.3/19

All: 1328.218+/-0.262 χ^2/NDF: 4515957.3/35

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 2180.226+/-2071.987 χ^2/NDF:0.0/0

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2180.226+/-2071.987 χ^2/NDF: 0.0/0

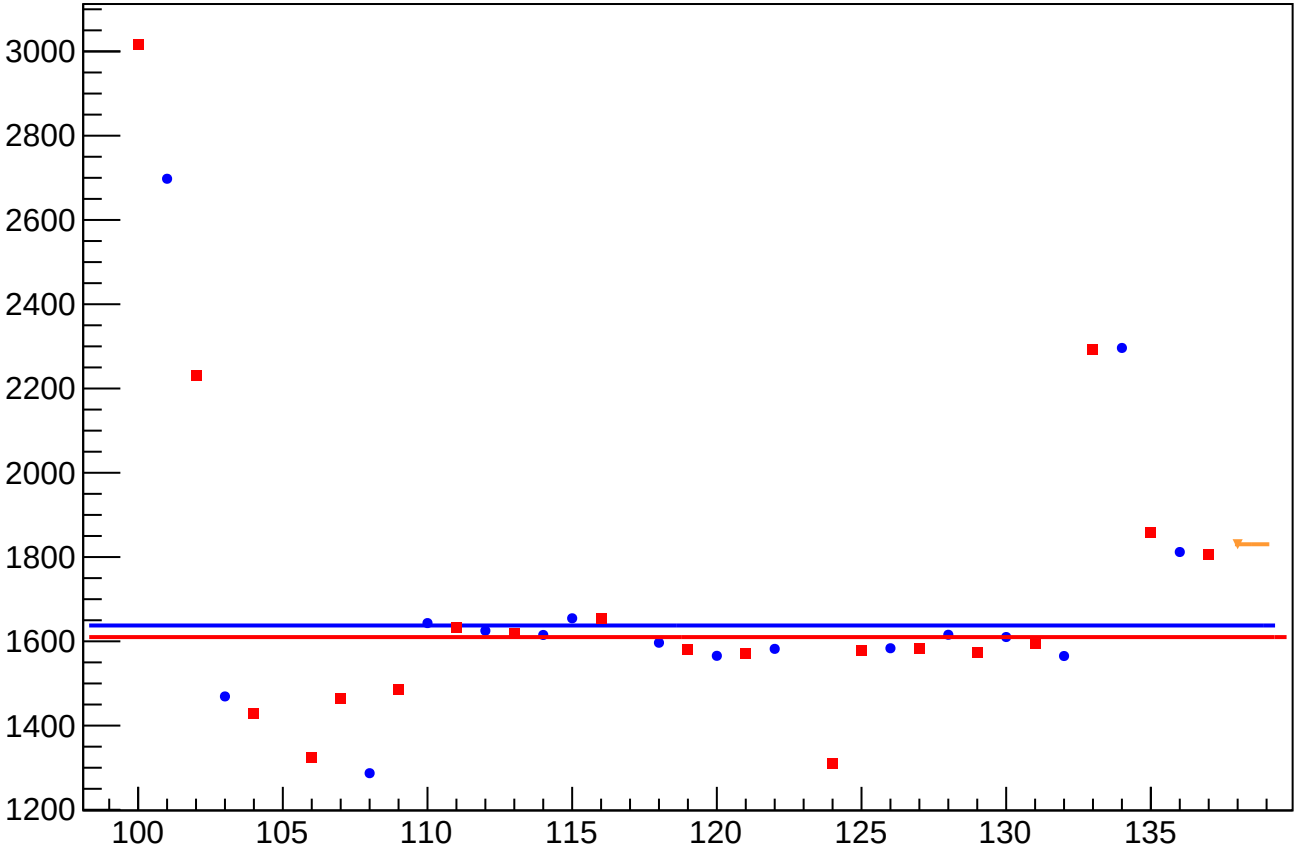
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 1130.726+/-617.236 χ^2/NDF:15.0/15

Out: 252.527+/-579.043 χ^2/NDF:21.6/19

All: 663.617+/-422.302 χ^2/NDF: 37.7/35

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1830.359+/-0.465 χ^2/NDF:0.0/0

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

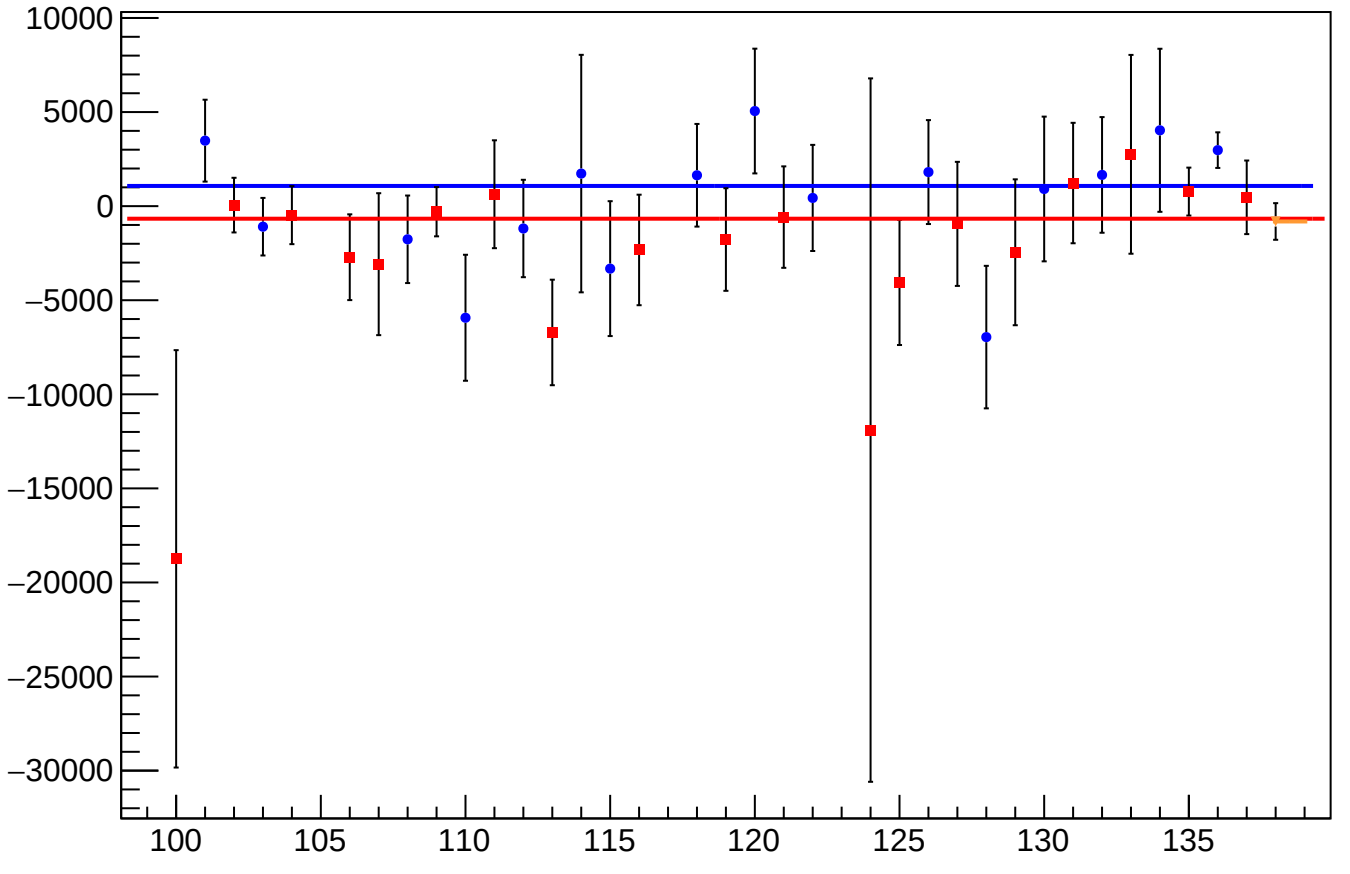
Left: 1830.359+/-1.465 χ^2/NDF: 0.0/0

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1637.574+/-0.436 χ^2/NDF:361417.0/15

Out: 1627.250+/-0.409 χ^2/NDF:301659.0/19

All: 1632.083+/-0.299 χ^2/NDF: 663373.6/35



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: -814.666+/-973.454 χ^2/NDF:0.0/0

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

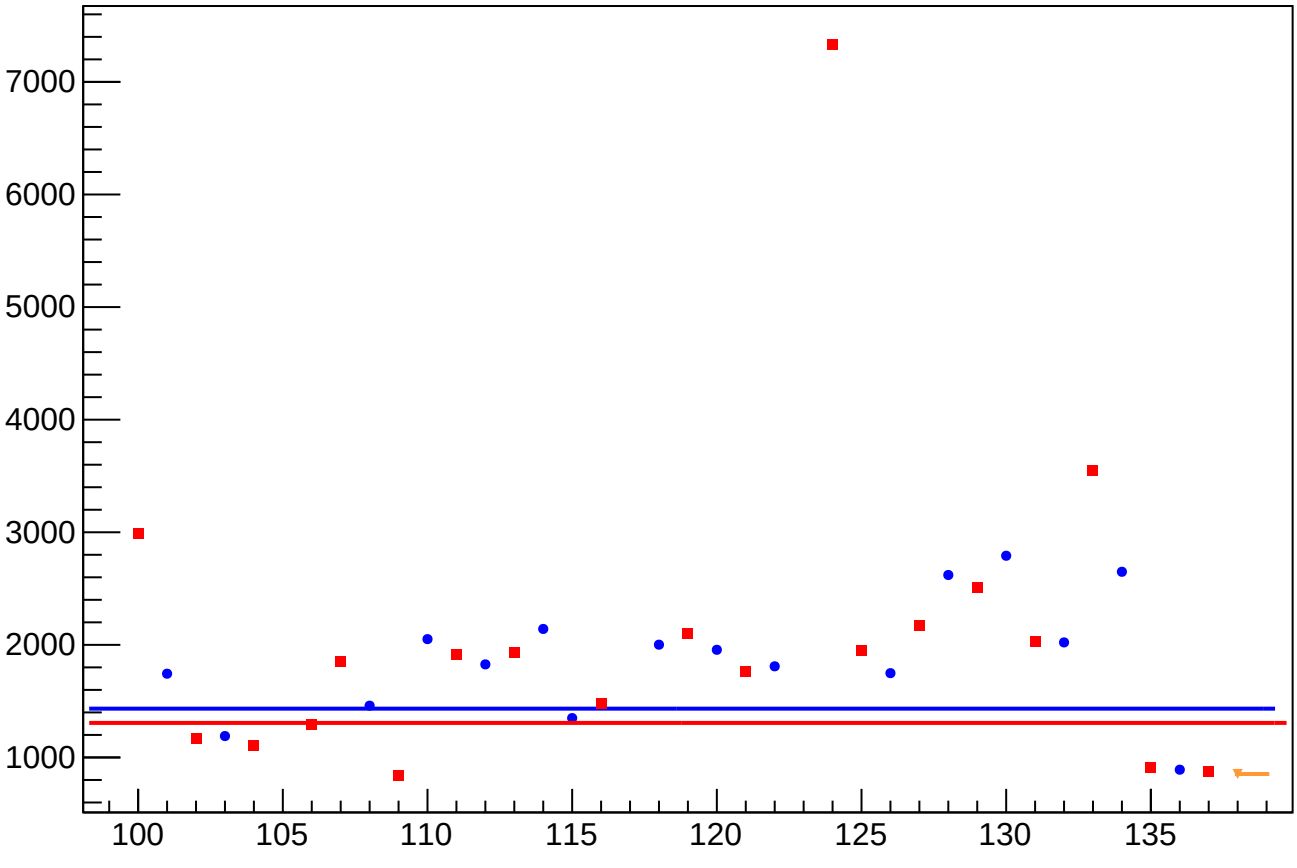
Left: -814.666+/-973.454 χ^2/NDF: 0.0/0

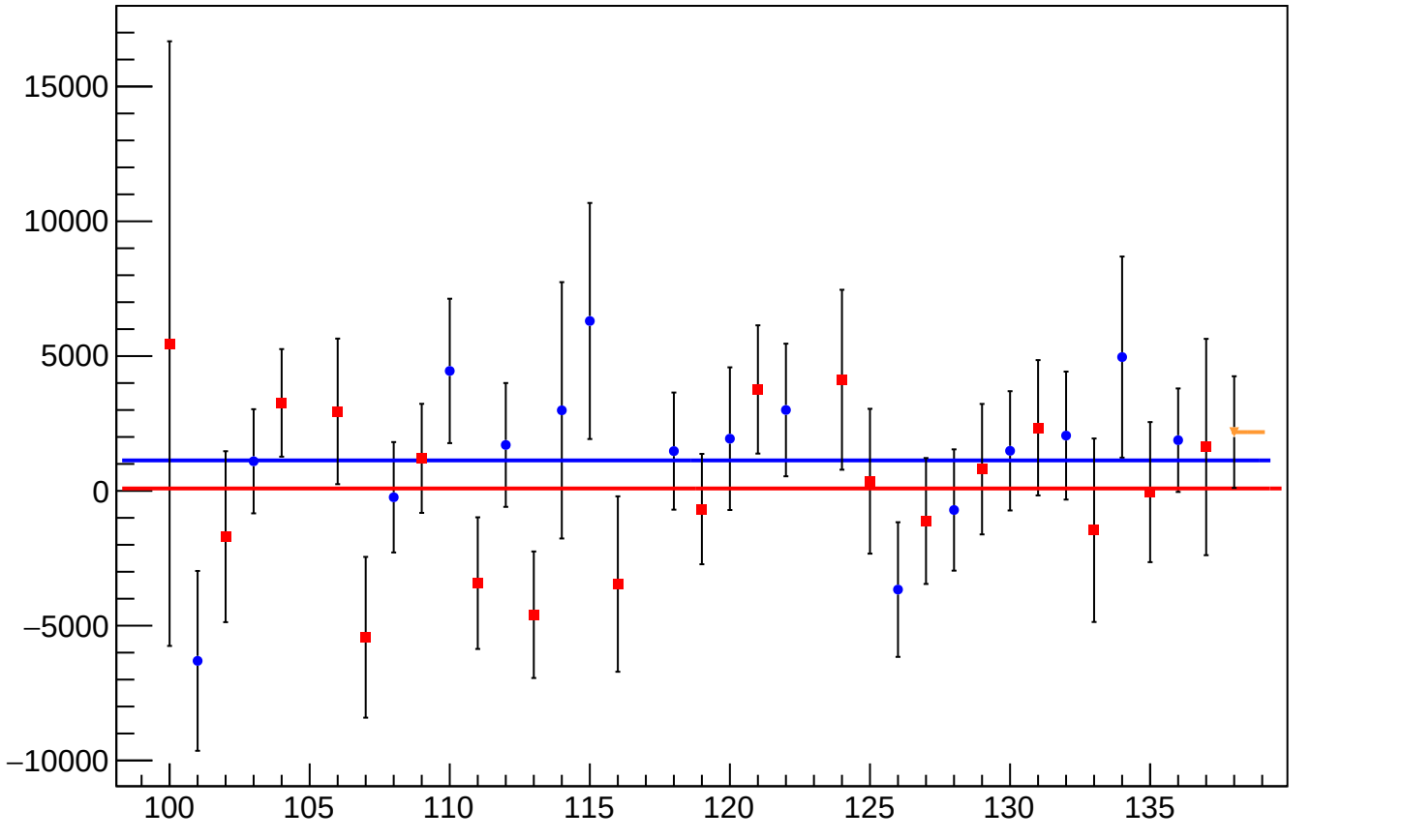
Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: 1073.600+/-571.609 χ^2/NDF:22.0/15

Out: -700.726+/-461.043 χ^2/NDF:13.6/19

All: -1.387+/-358.861 χ^2/NDF: 41.4/35


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
105
110
115
120
125
130
135
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 853.009+/-0.688 χ²/NDF:0.0/0
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 853.009+/-0.688 χ²/NDF: 0.0/0
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1433.477+/-0.404 χ²/NDF:1763491.8/15
Out: 1205.061+/-0.326 χ²/NDF:2521136.2/19
All: 1295.090+/-0.254 χ²/NDF: 4478116.5/35



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 2180.191+/-2071.987 χ^2/NDF:0.0/0

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

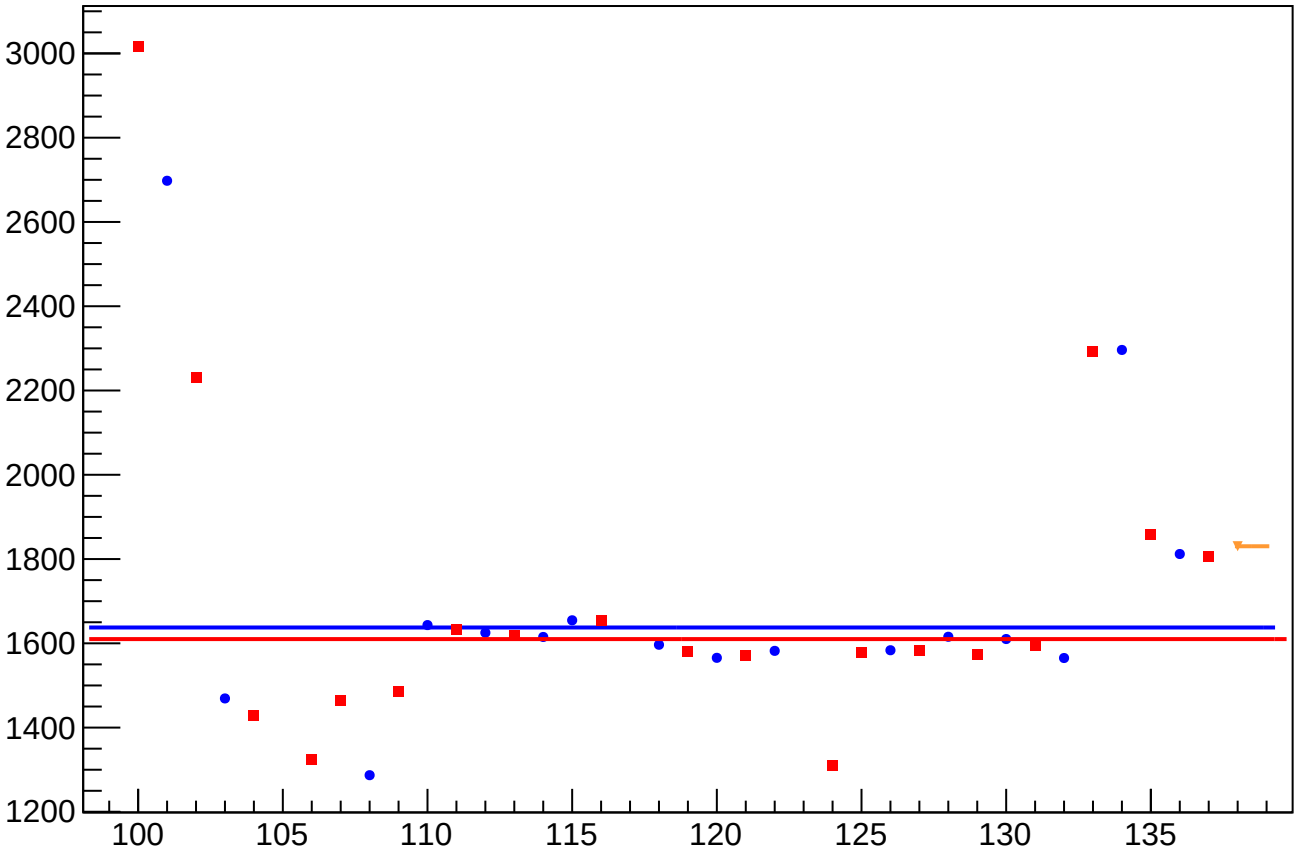
Left: 2180.191+/-2071.987 χ^2/NDF: 0.0/0

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 1130.728+/-617.236 χ^2/NDF:15.0/15

Out: 252.529+/-579.043 χ^2/NDF:21.6/19

All: 663.619+/-422.302 χ^2/NDF: 37.7/35



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1830.359+/-1.465 χ^2/NDF:0.0/0

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

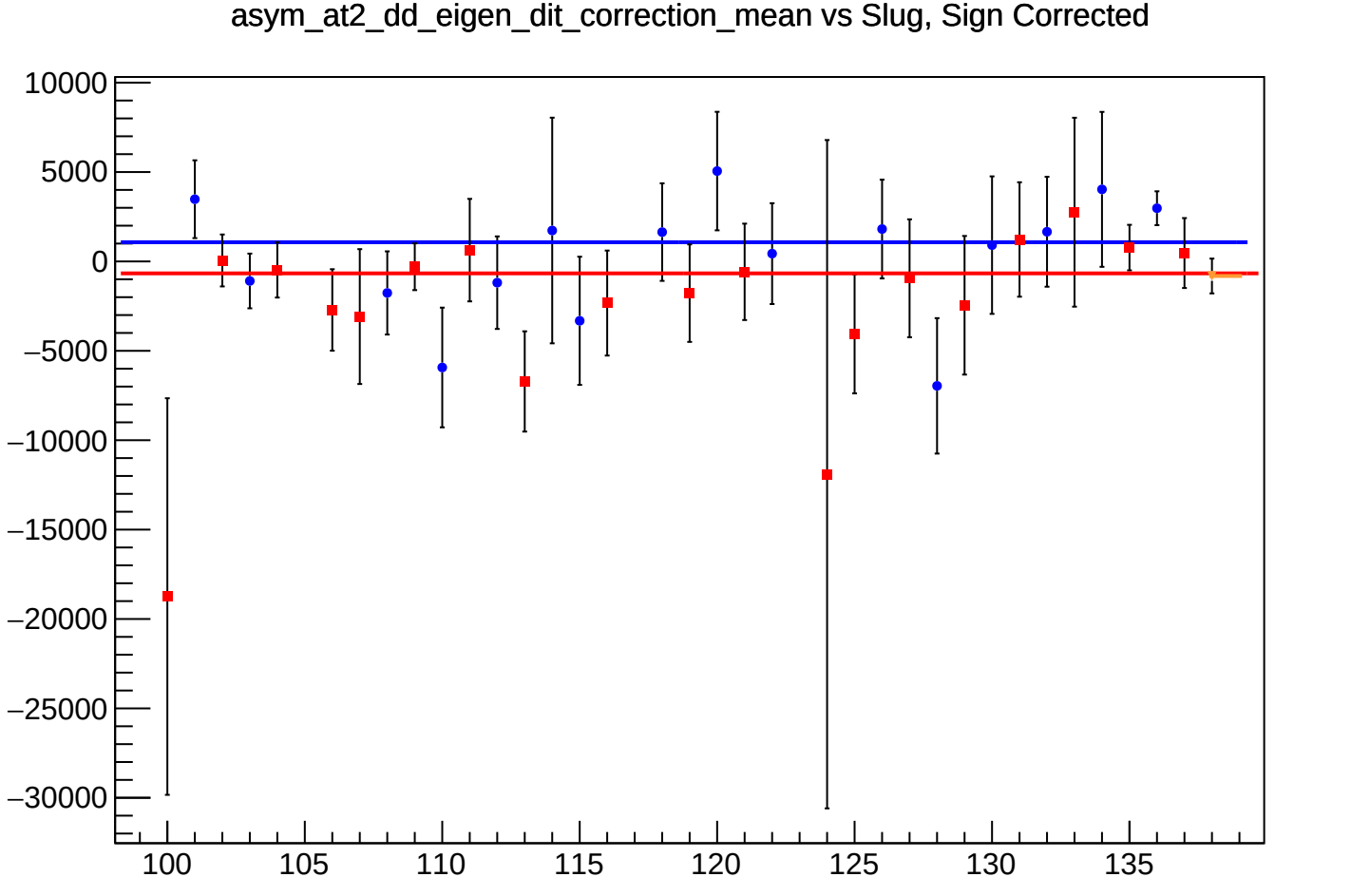
Left: 1830.359+/-1.465 χ^2/NDF: 0.0/0

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1637.574+/-0.436 χ^2/NDF:361416.8/15

Out: 1627.250+/-0.409 χ^2/NDF:301659.2/19

All: 1632.082+/-0.299 χ^2/NDF: 663373.6/35



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: -814.697+/-973.484 χ^2/NDF:0.0/0

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

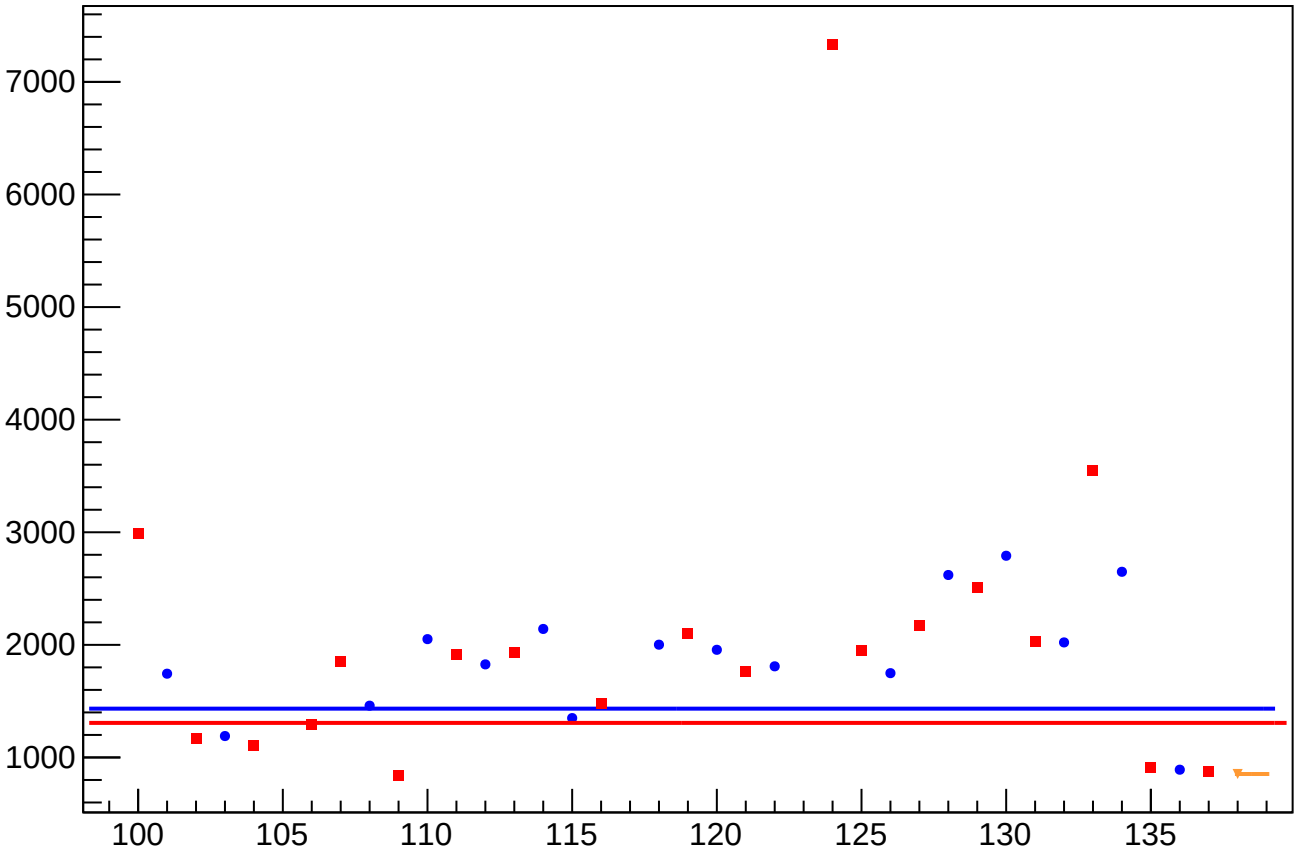
Left: -814.697+/-973.484 χ^2/NDF: 0.0/0

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: 1073.589+/-571.613 χ^2/NDF:22.0/15

Out: -700.741+/-461.049 χ^2/NDF:13.6/19

All: -1.396+/-358.865 χ^2/NDF: 41.4/35



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 853.035+/-0.688 χ^2/NDF:0.0/0

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 853.035+/-0.688 χ^2/NDF: 0.0/0

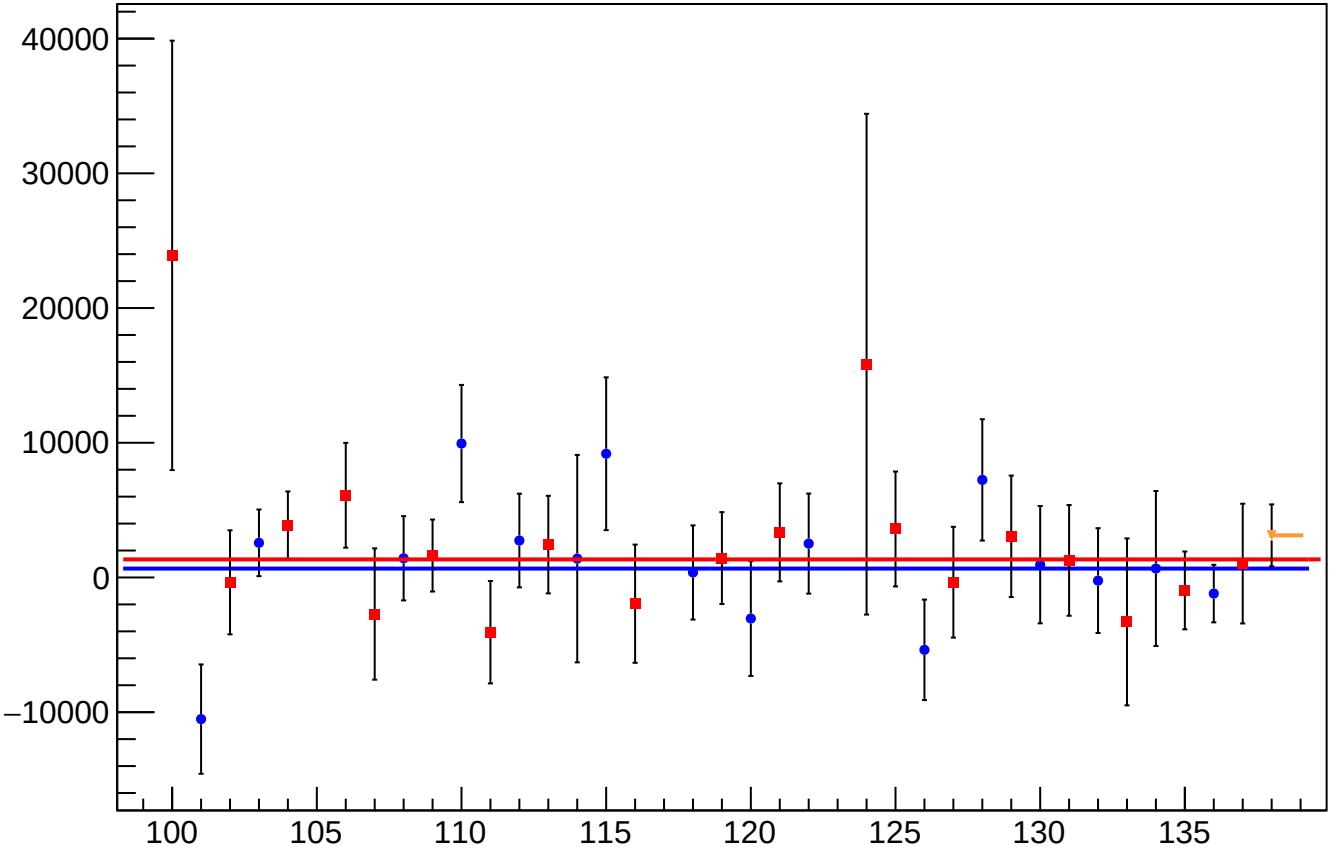
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 1433.492+/-0.404 χ^2/NDF:1763397.4/15

Out: 1205.081+/-0.326 χ^2/NDF:2521027.7/19

All: 1295.108+/-0.254 χ^2/NDF: 4477902.3/35

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: 3126.418+/-2297.648 χ^2/NDF:0.0/0

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3126.418+/-2297.648 χ^2/NDF: 0.0/0

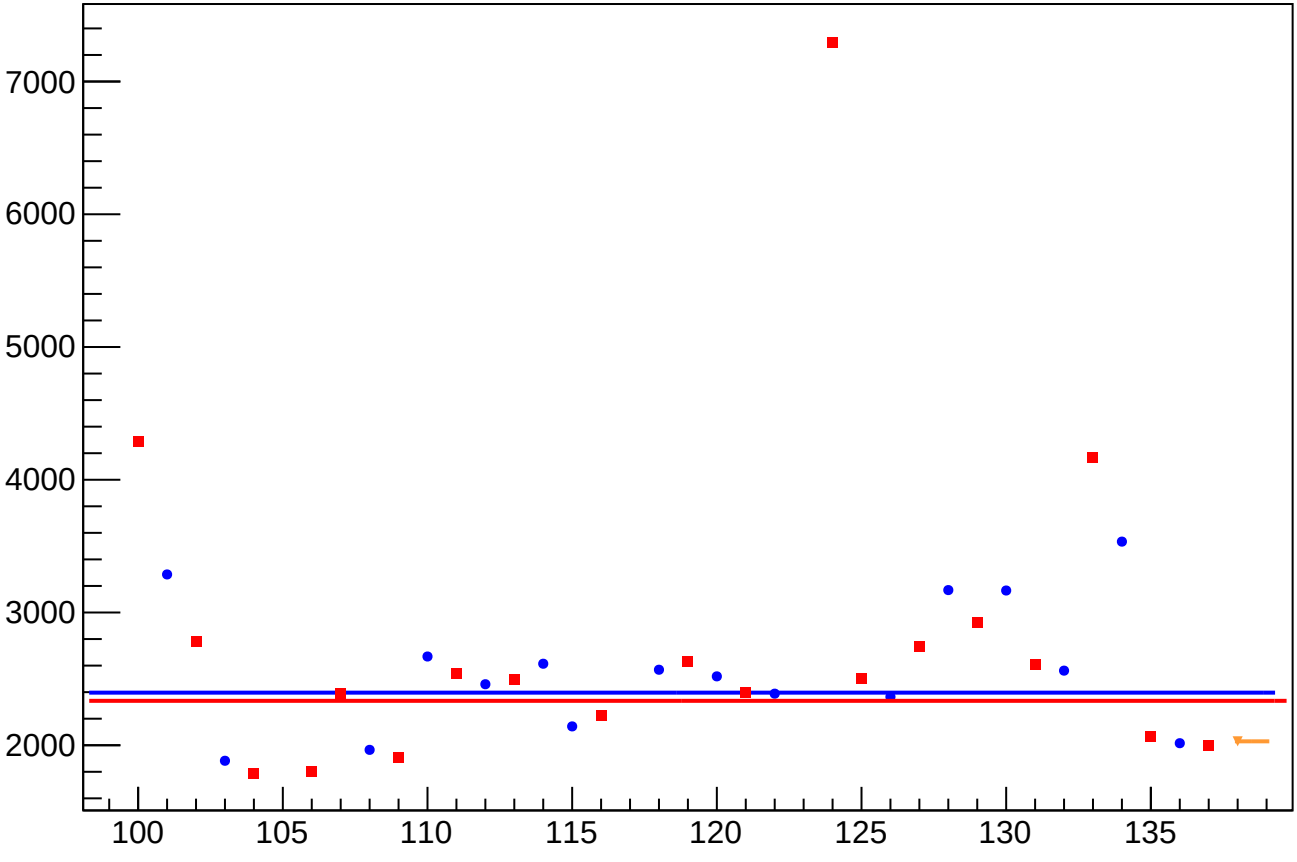
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 659.458+/-909.570 χ^2/NDF:22.0/15

Out: 1575.067+/-830.381 χ^2/NDF:11.4/19

All: 1158.848+/-613.256 χ^2/NDF: 33.9/35

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2029.448+/-1.625 χ^2/NDF:0.0/0

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

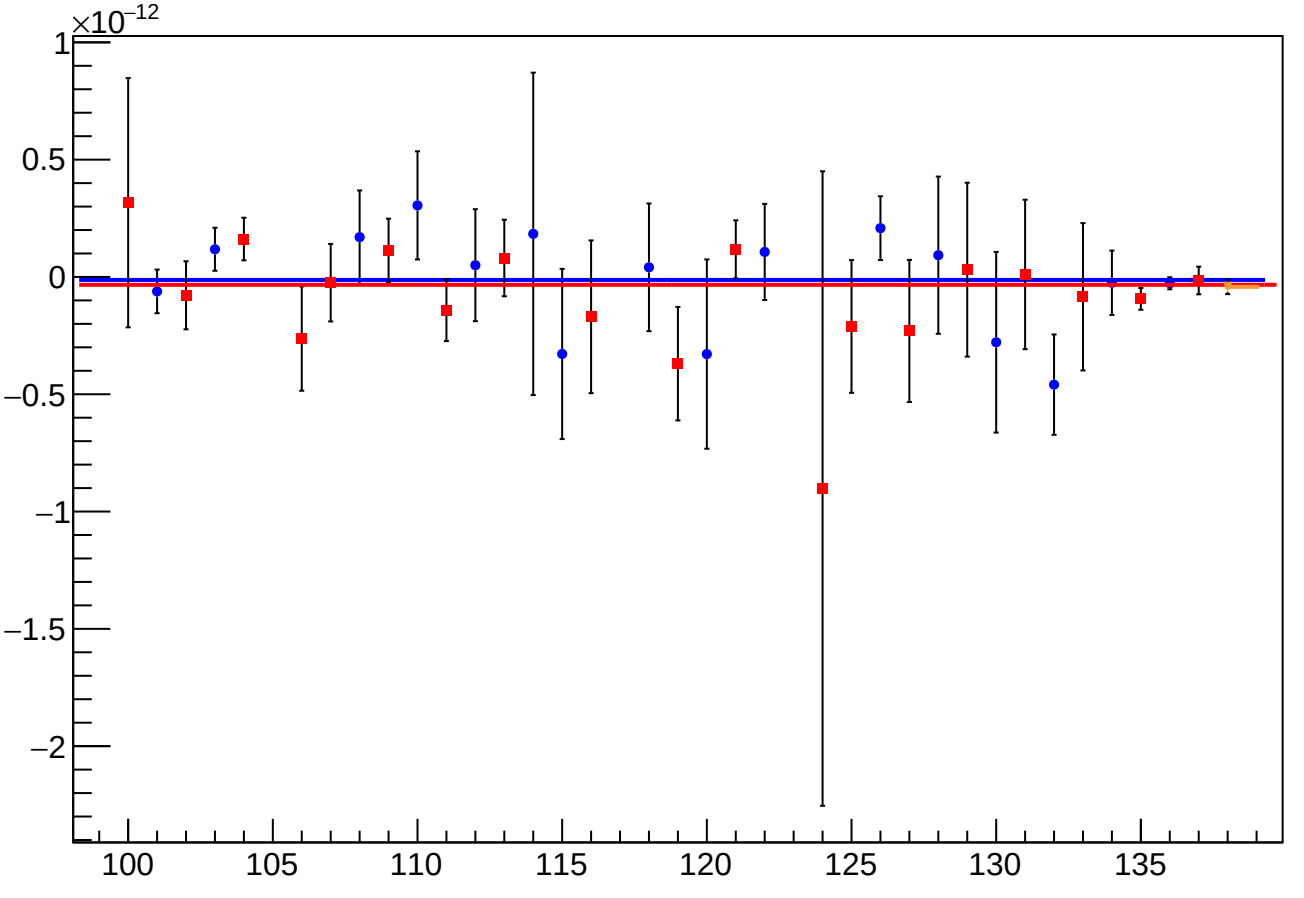
Left: 2029.448+/-1.625 χ^2/NDF: 0.0/0

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2396.276+/-0.643 χ^2/NDF:507897.2/15

Out: 2294.737+/-0.587 χ^2/NDF:712236.9/19

All: 2340.894+/-0.434 χ^2/NDF: 1233728.3/35



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

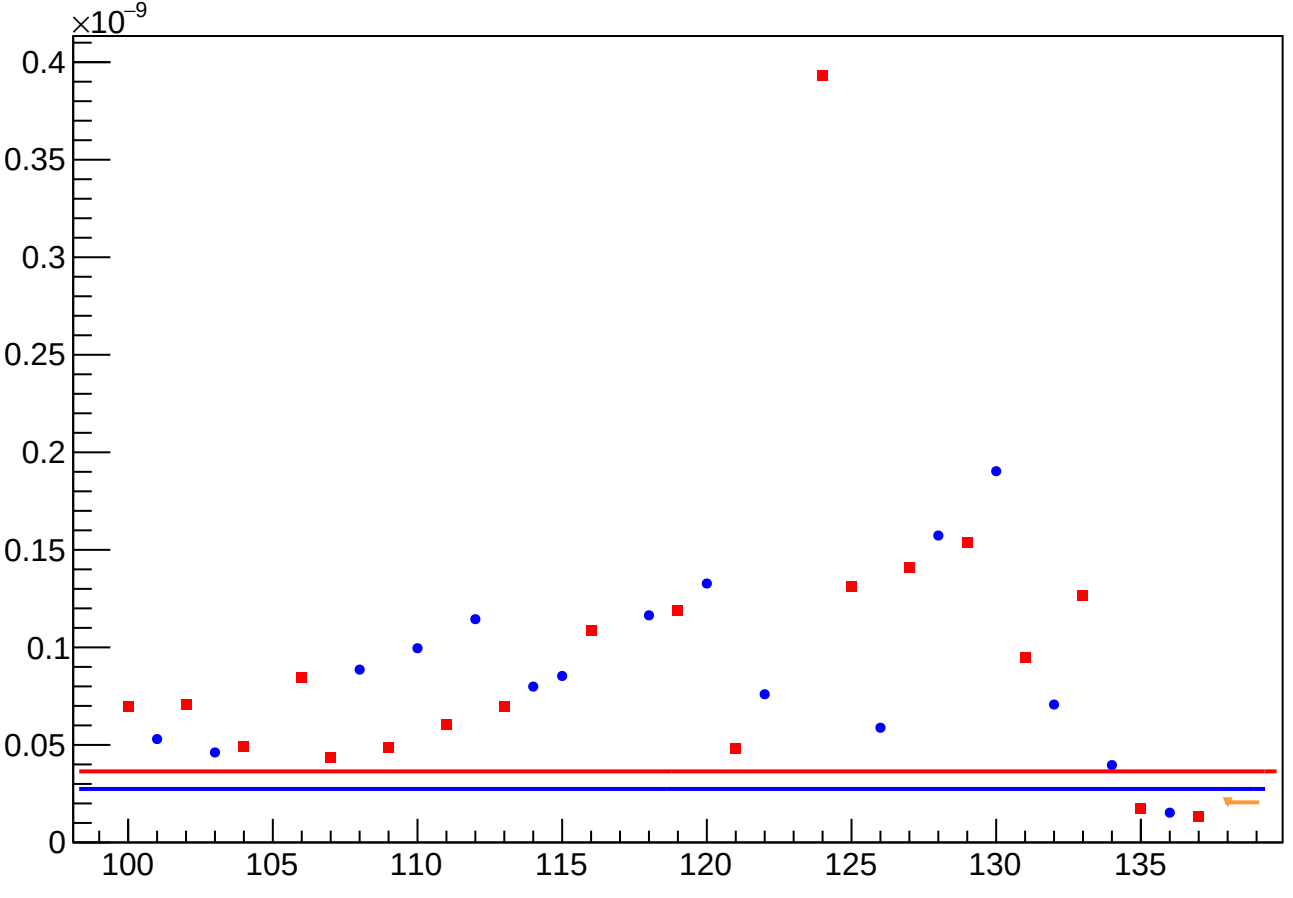
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:14.8/15

Out: -0.000+/-0.000 χ^2/NDF:15.2/19

All: -0.000+/-0.000 χ^2/NDF: 30.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

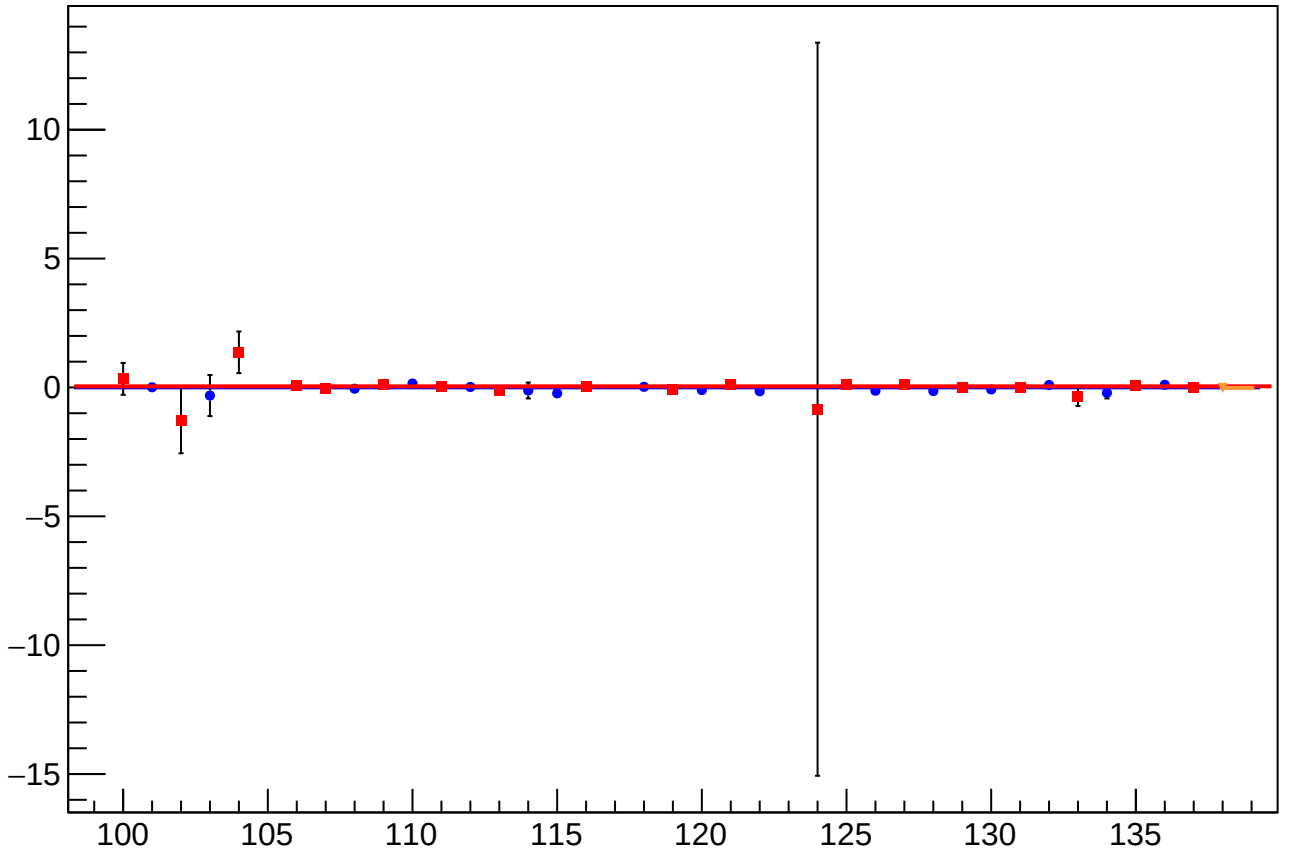
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:2728016.1/15

Out: 0.000+/-0.000 χ^2/NDF:2730946.6/19

All: 0.000+/-0.000 χ^2/NDF: 5466668.1/35



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.017+/-0.044 χ^2/NDF:0.0/0

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

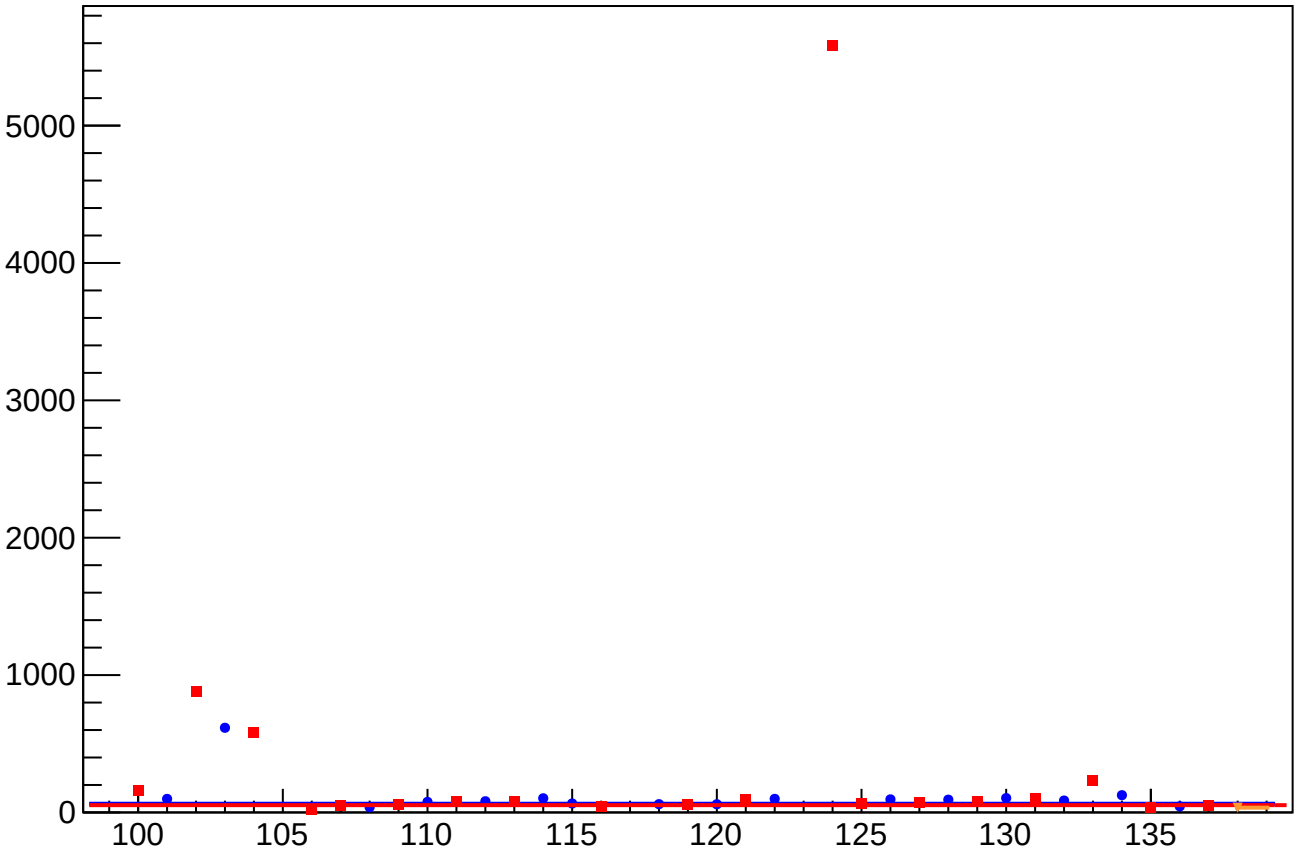
Left: -0.017+/-0.044 χ^2/NDF: 0.0/0

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.003+/-0.027 χ^2/NDF:13.3/15

Out: 0.029+/-0.022 χ^2/NDF:14.1/19

All: 0.019+/-0.017 χ^2/NDF: 28.0/35



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 34.977+/-0.031 χ^2/NDF:0.0/0

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

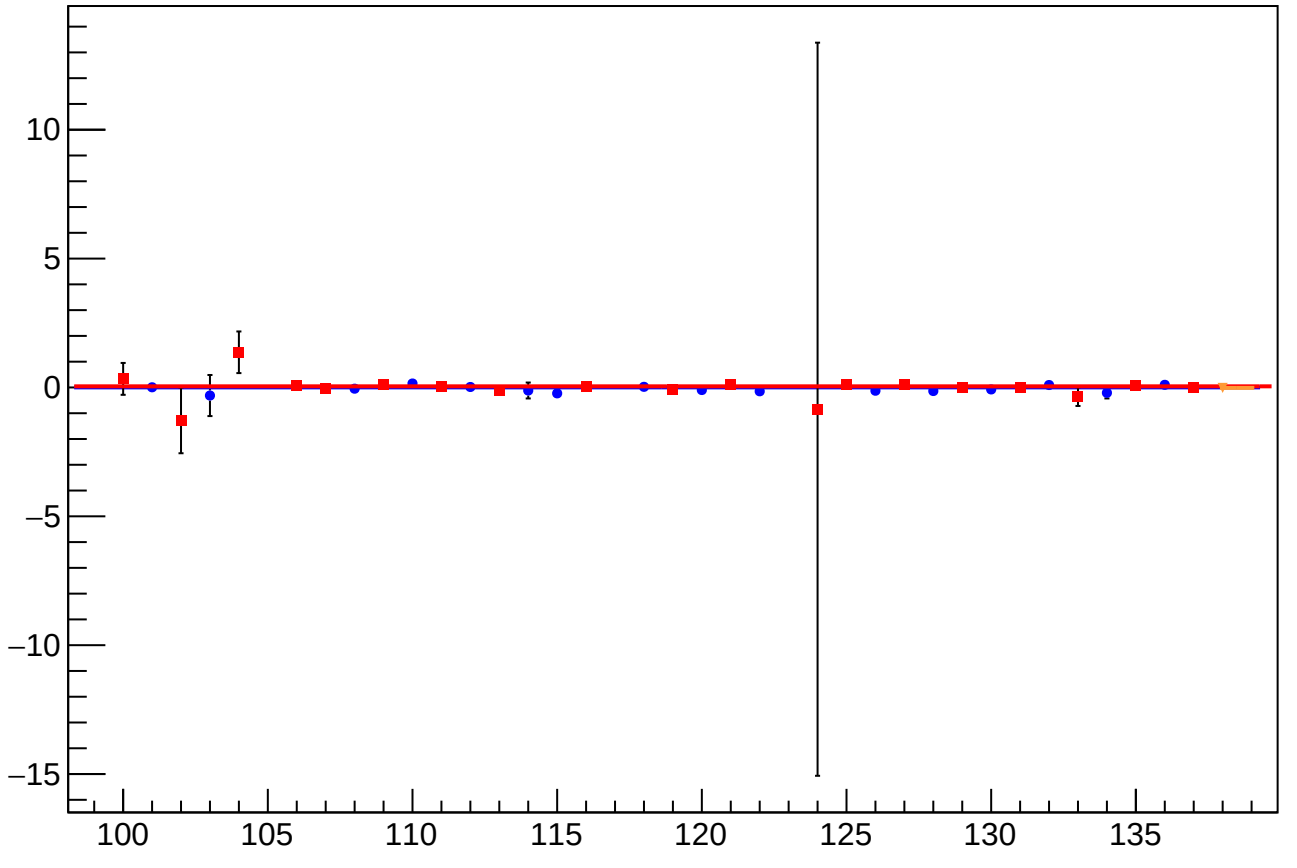
Left: 34.977+/-0.031 χ^2/NDF: 0.0/0

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 63.454+/-0.019 χ^2/NDF:2445255.1/15

Out: 48.806+/-0.015 χ^2/NDF:4205889.2/19

All: 54.477+/-0.012 χ^2/NDF: 7006260.5/35



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.017+/-0.044 χ^2/NDF:0.0/0

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.017+/-0.044 χ^2/NDF: 0.0/0

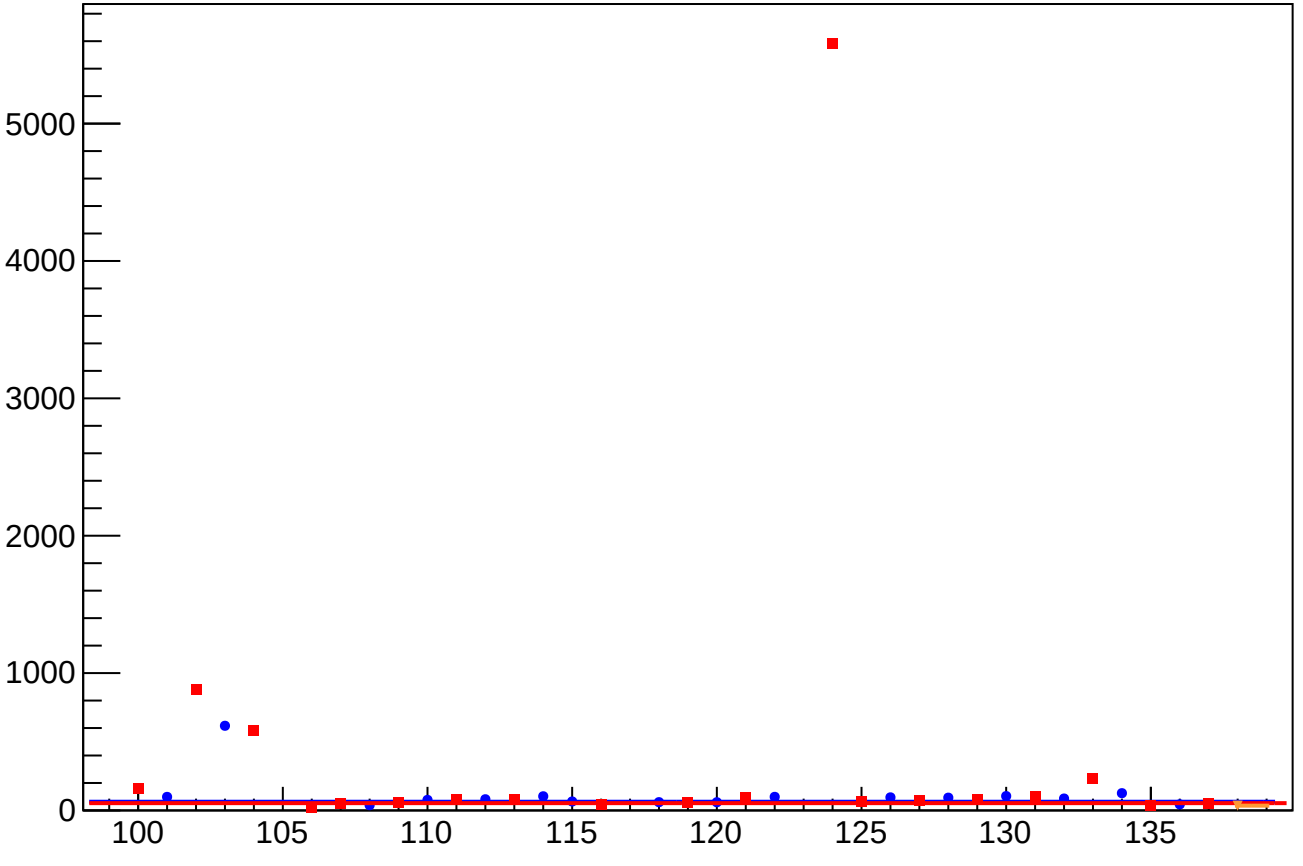
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.003+/-0.027 χ^2/NDF:13.3/15

Out: 0.029+/-0.022 χ^2/NDF:14.1/19

All: 0.019+/-0.017 χ^2/NDF: 28.0/35

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 34.977+/-0.031 χ^2/NDF:0.0/0

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

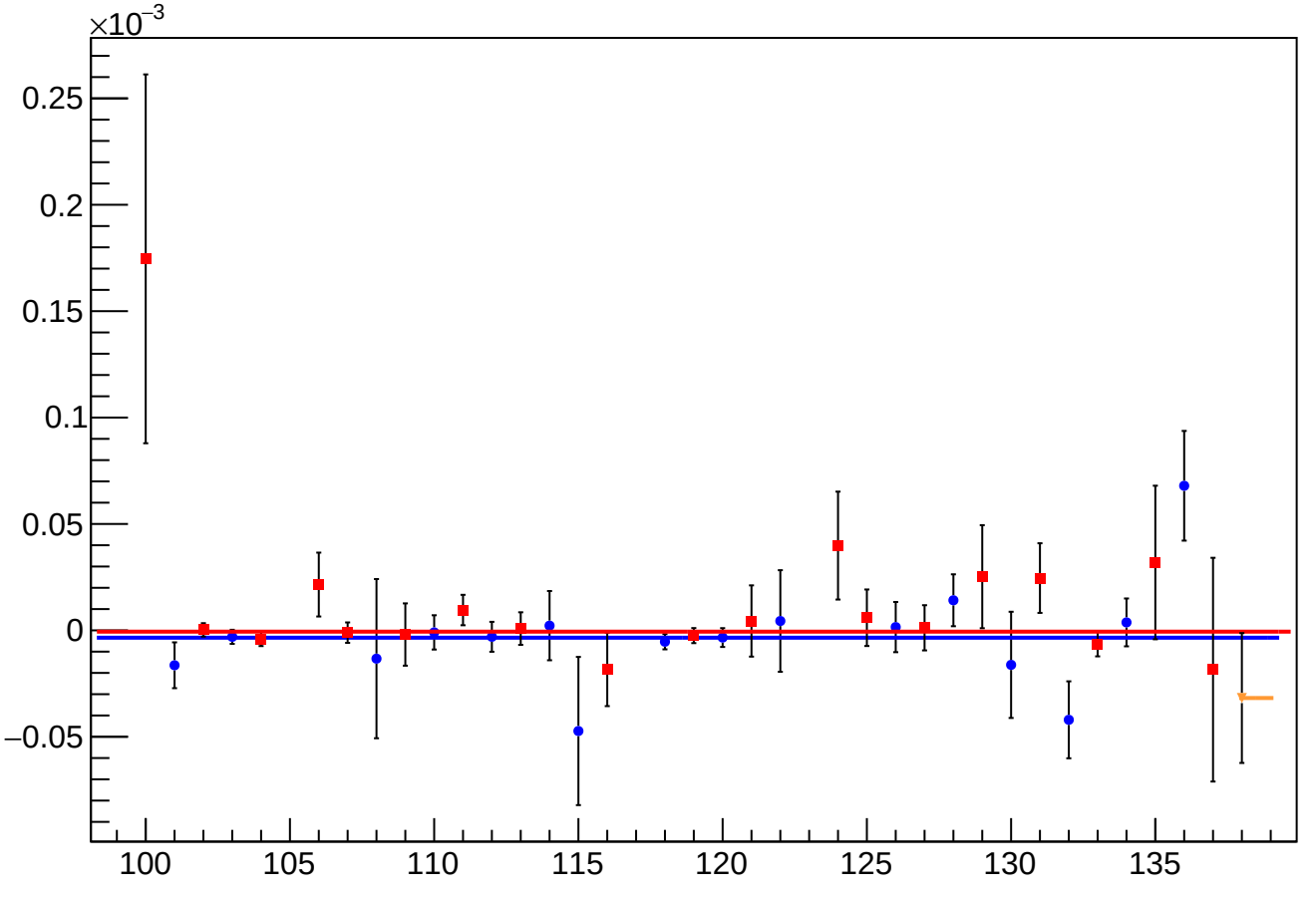
Left: 34.977+/-0.031 χ^2/NDF: 0.0/0

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 63.454+/-0.019 χ^2/NDF:2445255.1/15

Out: 48.806+/-0.015 χ^2/NDF:4205889.2/19

All: 54.477+/-0.012 χ^2/NDF: 7006260.5/35



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

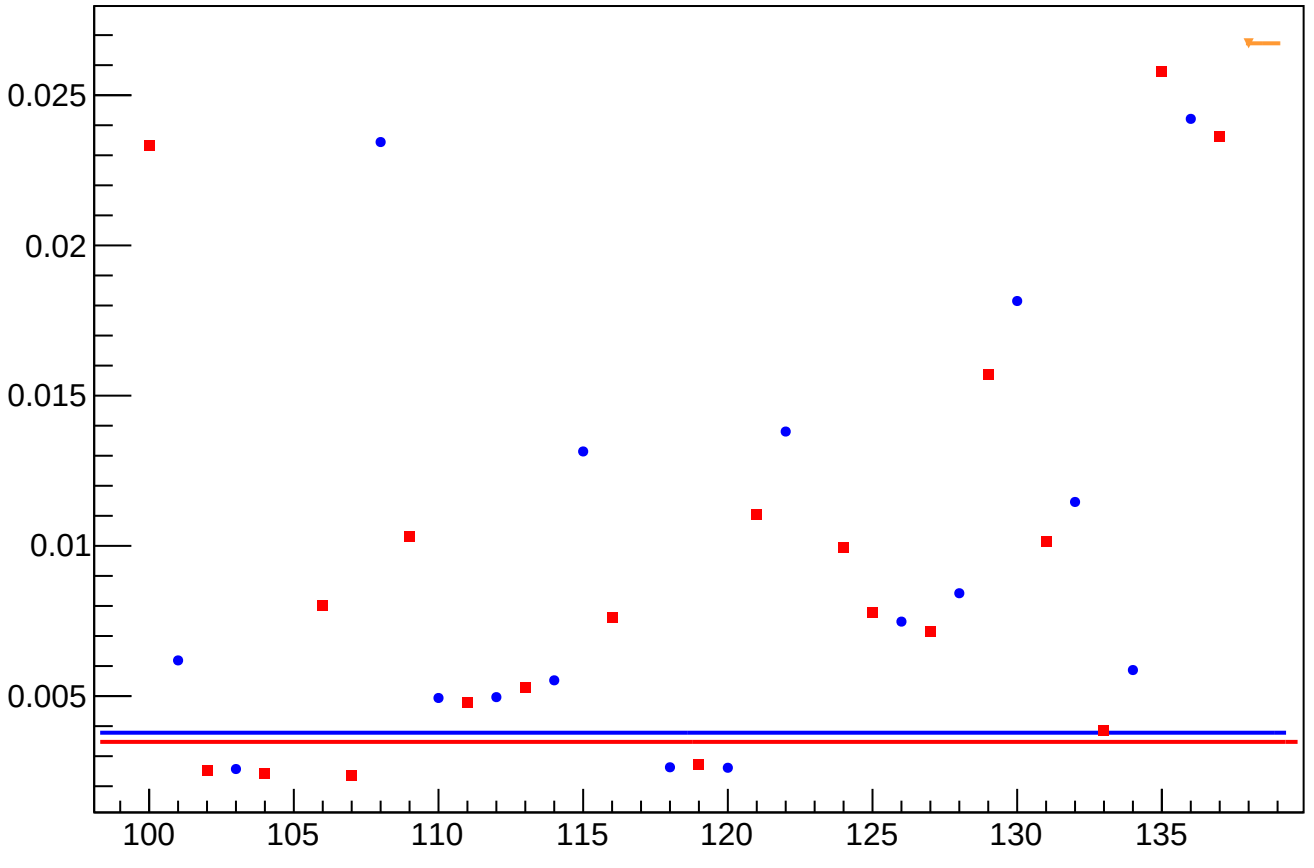
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:18.9/15

Out: -0.000+/-0.000 χ^2/NDF:20.2/19

All: -0.000+/-0.000 χ^2/NDF: 40.4/35



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.027+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.027+/-0.000 χ^2/NDF: 0.0/0

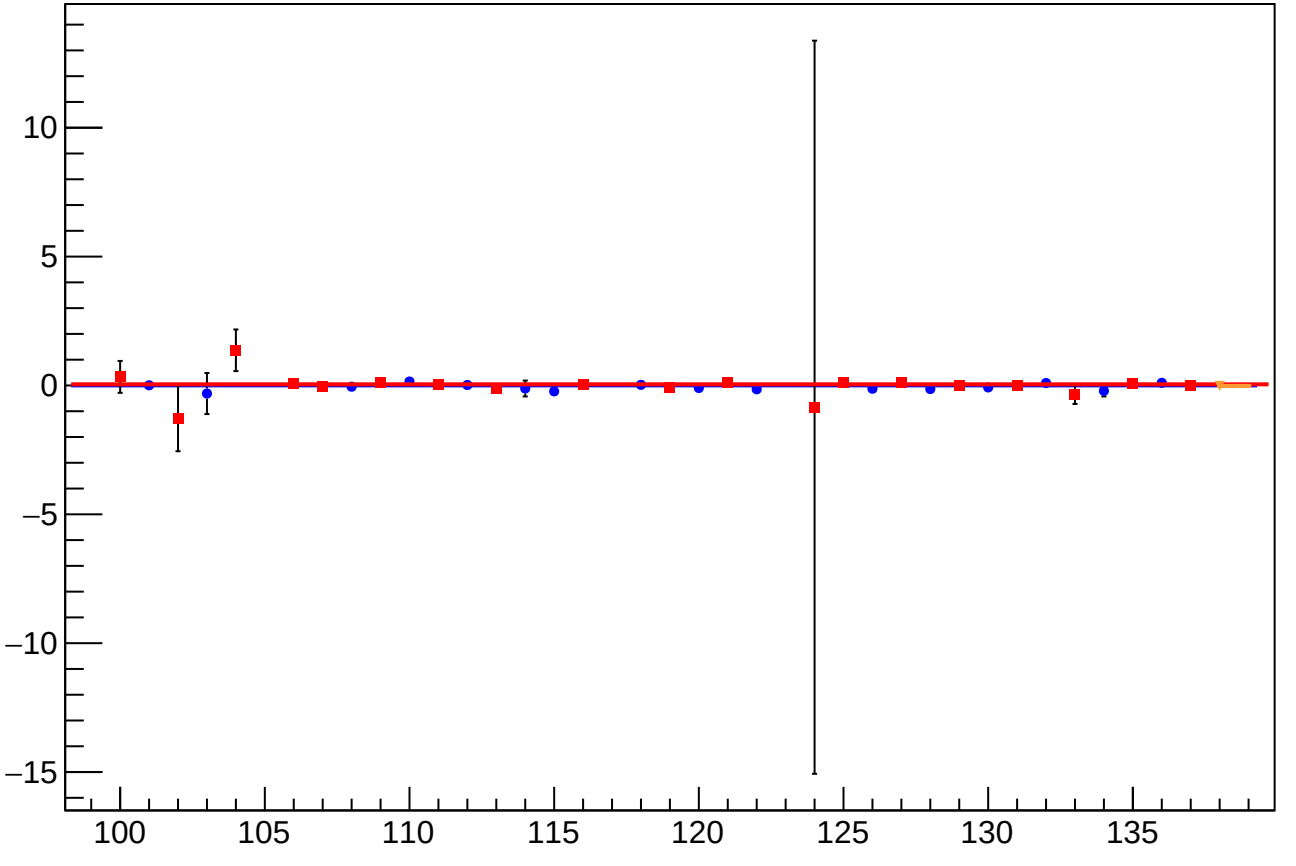
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:4719536.5/15

Out: 0.004+/-0.000 χ^2/NDF:5653599.0/19

All: 0.004+/-0.000 χ^2/NDF: 10394277.0/35

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+/-0.044 χ^2/NDF:0.0/0

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.017+/-0.044 χ^2/NDF: 0.0/0

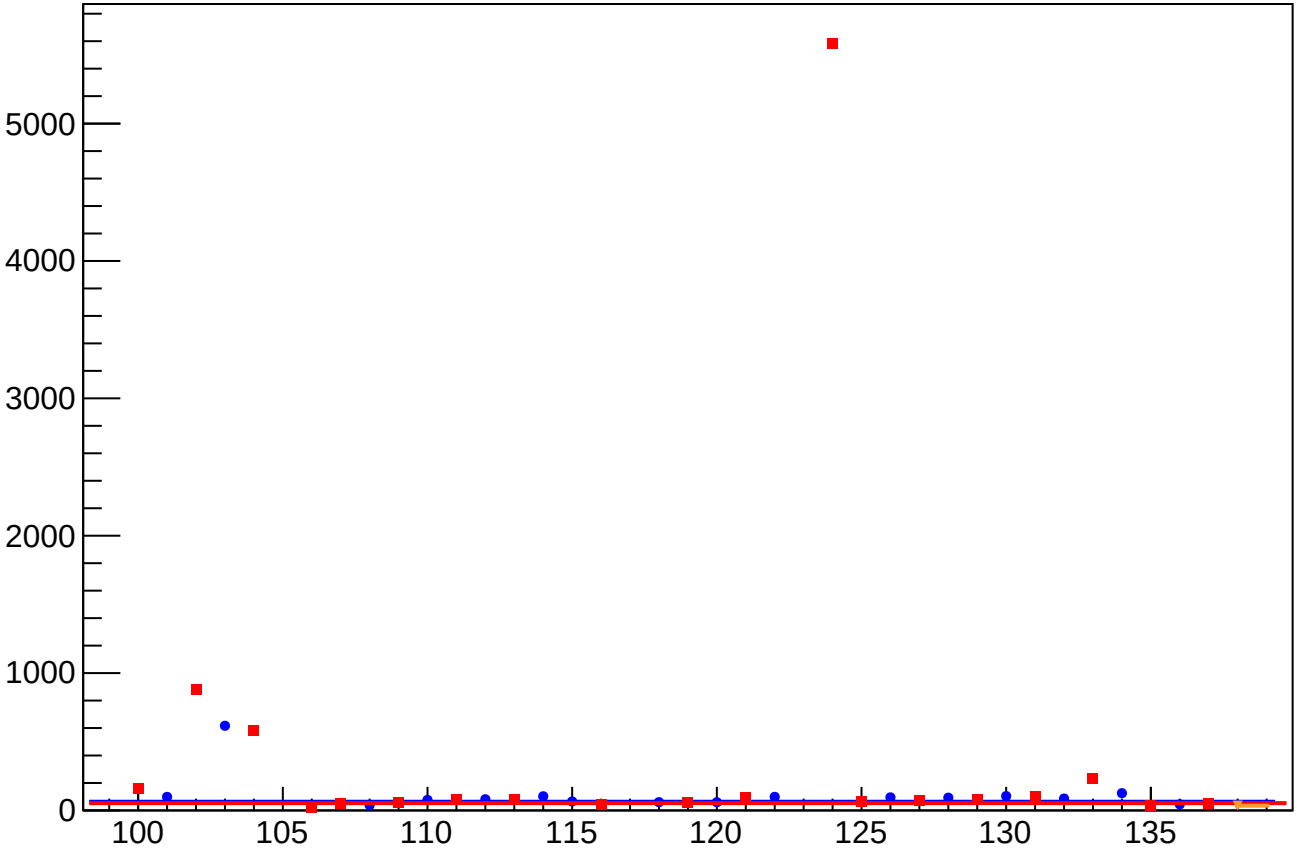
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.003+/-0.027 χ^2/NDF:13.3/15

Out: 0.029+/-0.022 χ^2/NDF:14.1/19

All: 0.019+/-0.017 χ^2/NDF: 28.0/35

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: 34.978+/-0.031 χ^2/NDF:0.0/0

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 34.978+/-0.031 χ^2/NDF: 0.0/0

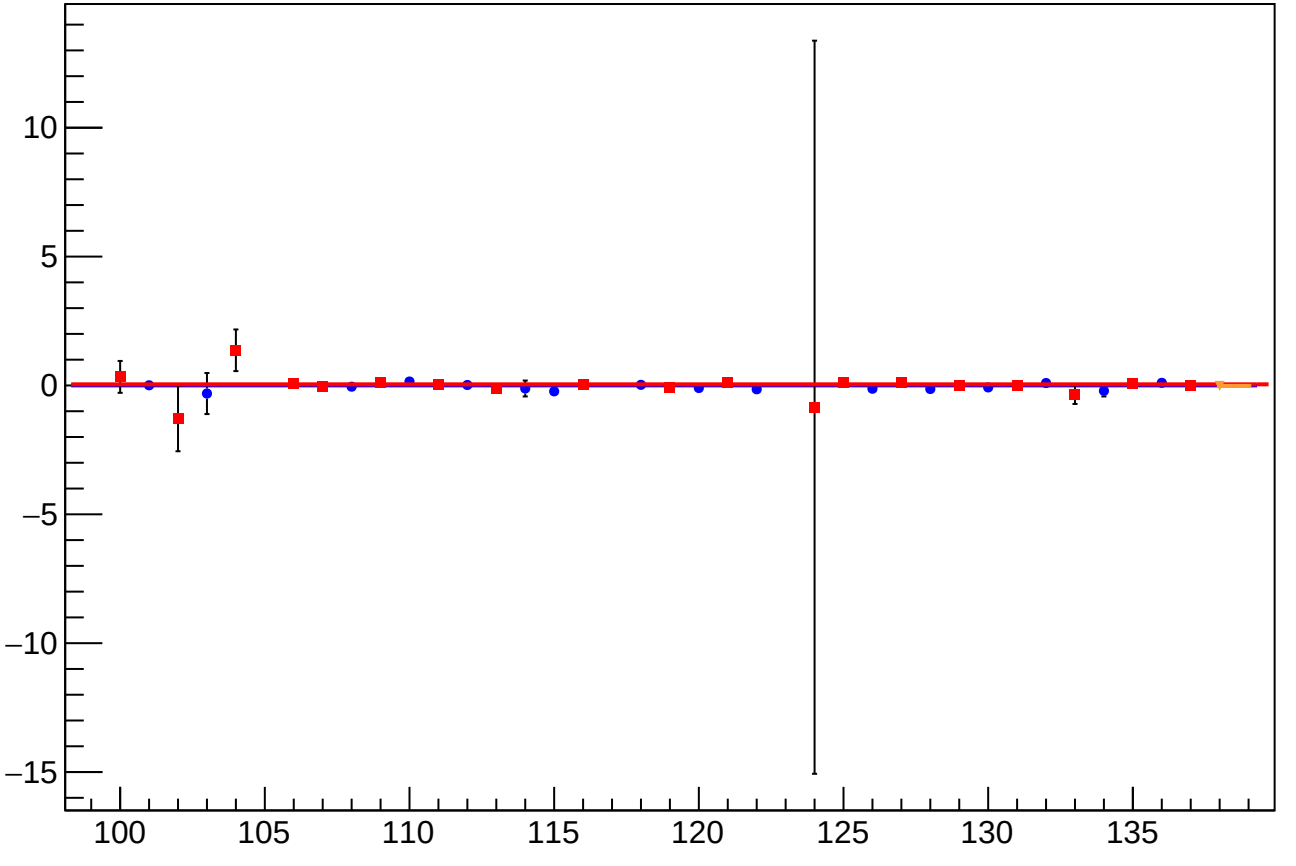
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 63.463+/-0.019 χ^2/NDF:2444357.3/15

Out: 48.802+/-0.015 χ^2/NDF:4206281.0/19

All: 54.478+/-0.012 χ^2/NDF: 7006313.1/35

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+/-0.044 χ^2/NDF:0.0/0

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.017+/-0.044 χ^2/NDF: 0.0/0

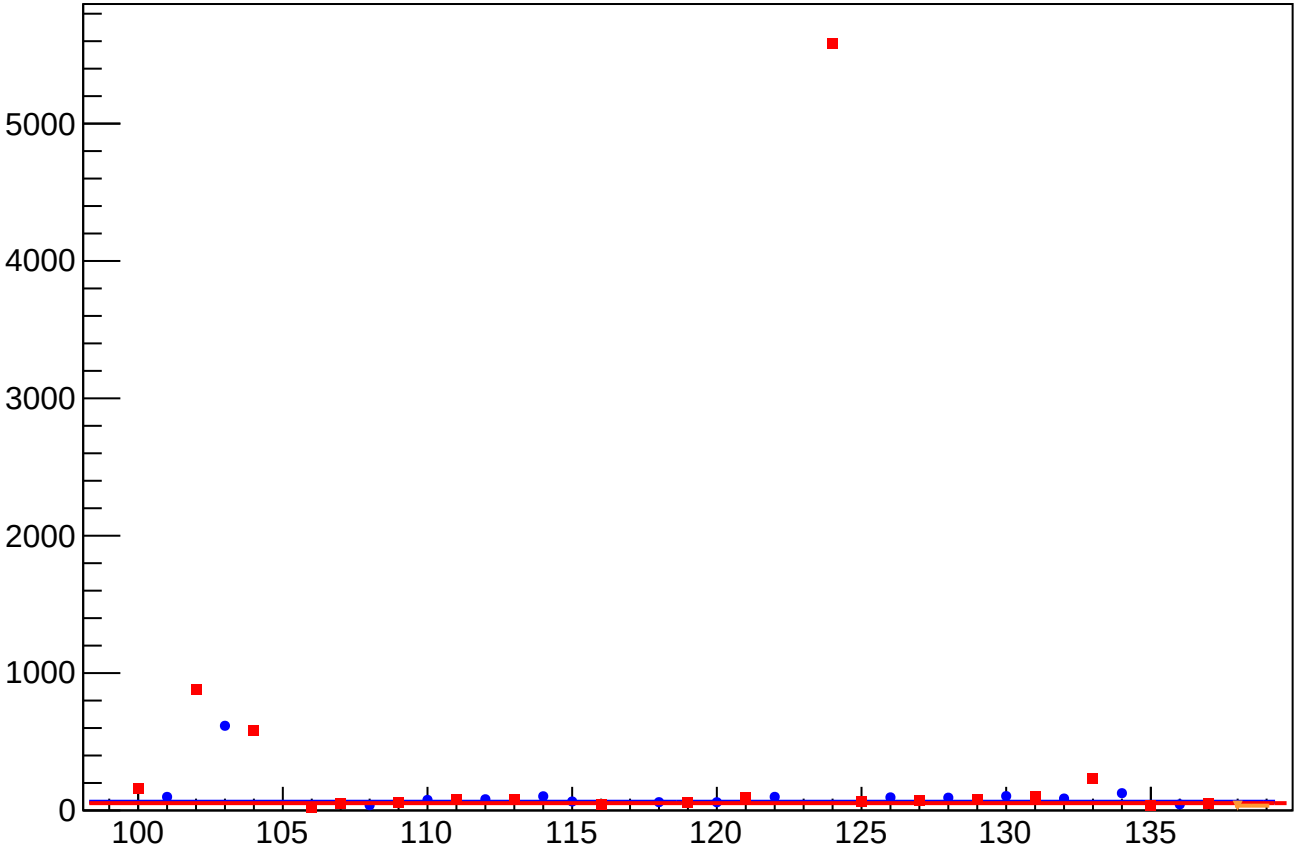
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.003+/-0.027 χ^2/NDF:13.3/15

Out: 0.029+/-0.022 χ^2/NDF:14.1/19

All: 0.019+/-0.017 χ^2/NDF: 28.0/35

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: 34.978+/-0.031 χ^2/NDF:0.0/0

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

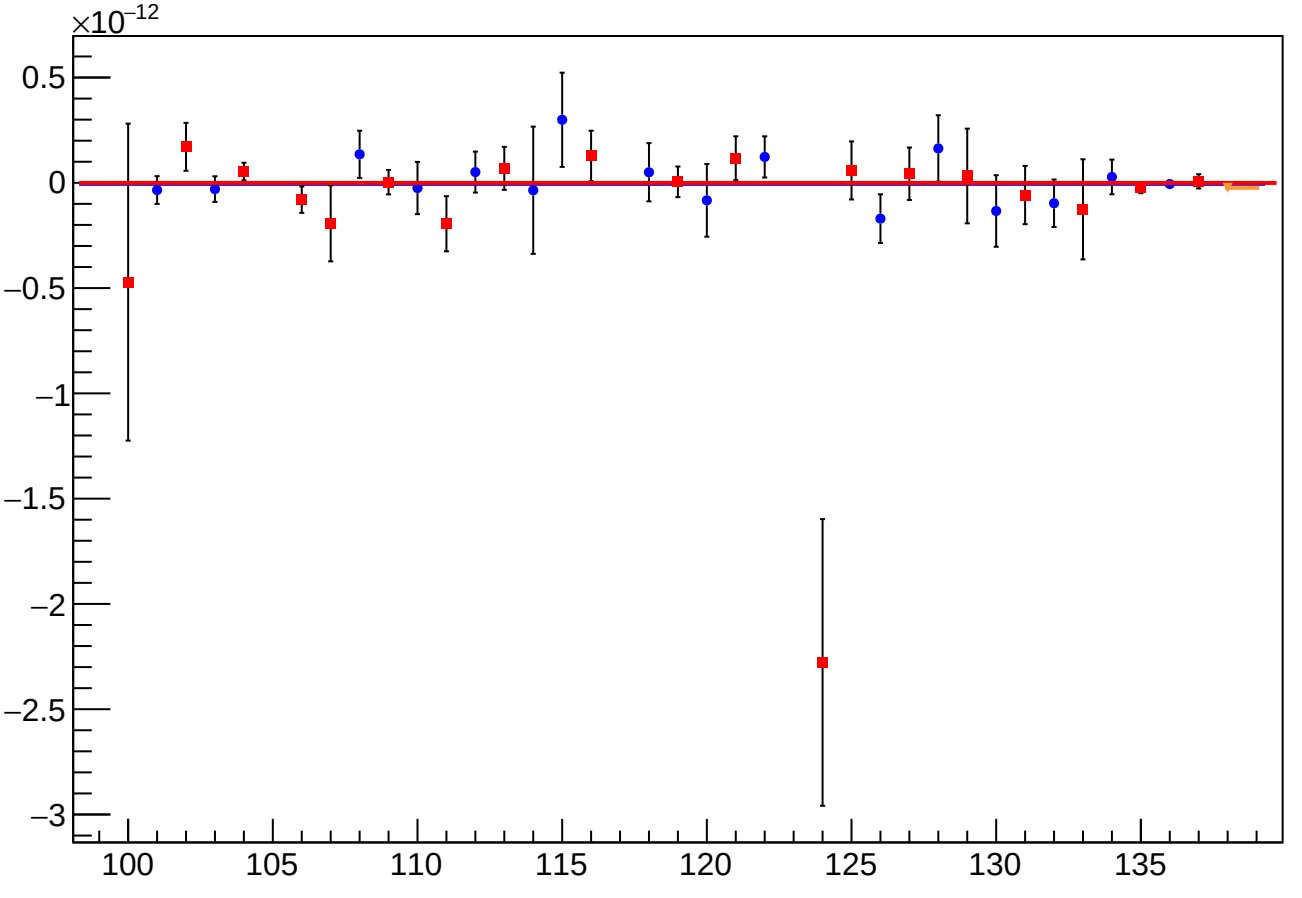
Left: 34.978+/-0.031 χ^2/NDF: 0.0/0

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 63.463+/-0.019 χ^2/NDF:2444357.3/15

Out: 48.802+/-0.015 χ^2/NDF:4206281.0/19

All: 54.478+/-0.012 χ^2/NDF: 7006313.1/35



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

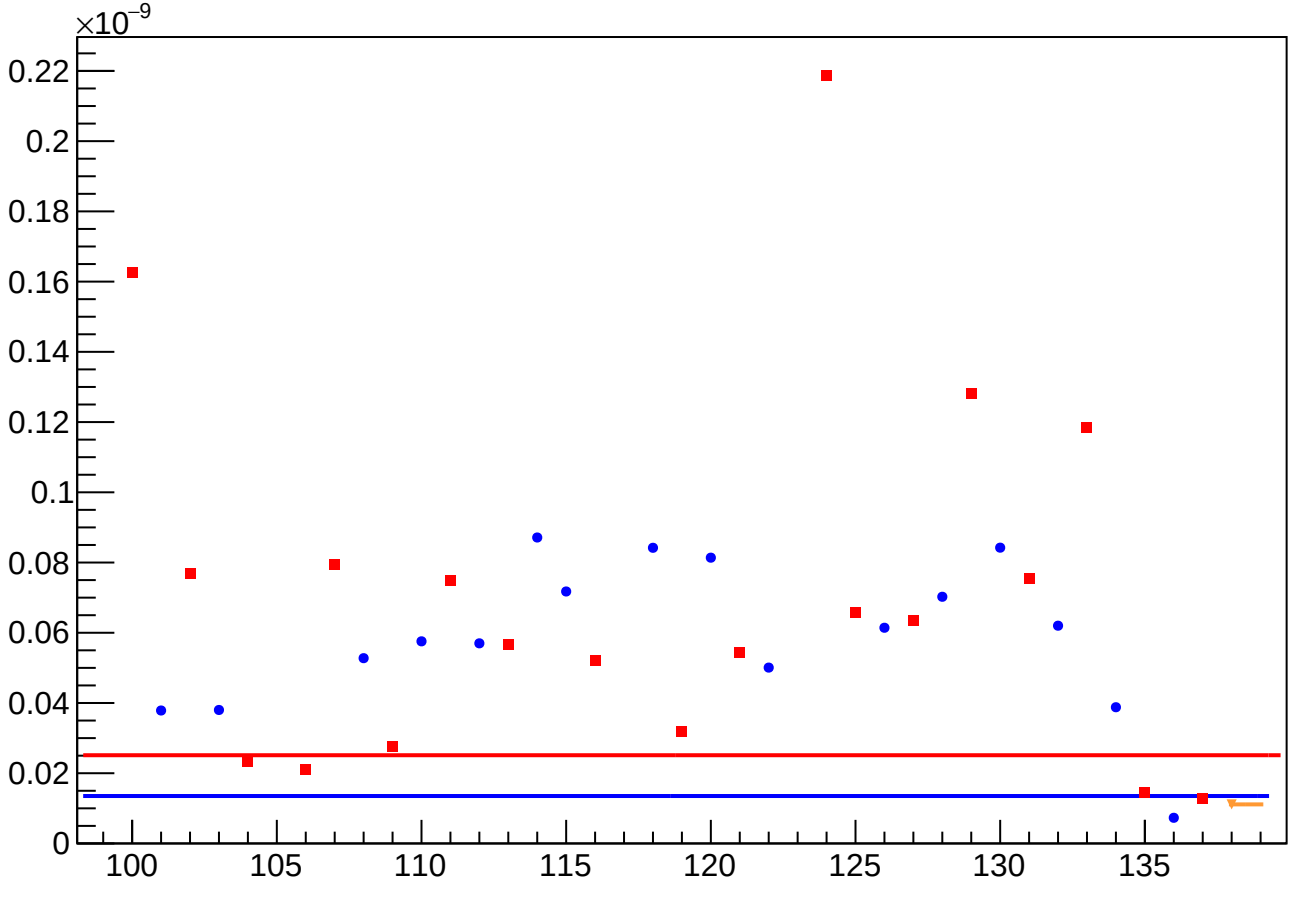
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:10.8/15

Out: -0.000+/-0.000 χ^2/NDF:26.2/19

All: -0.000+/-0.000 χ^2/NDF: 37.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

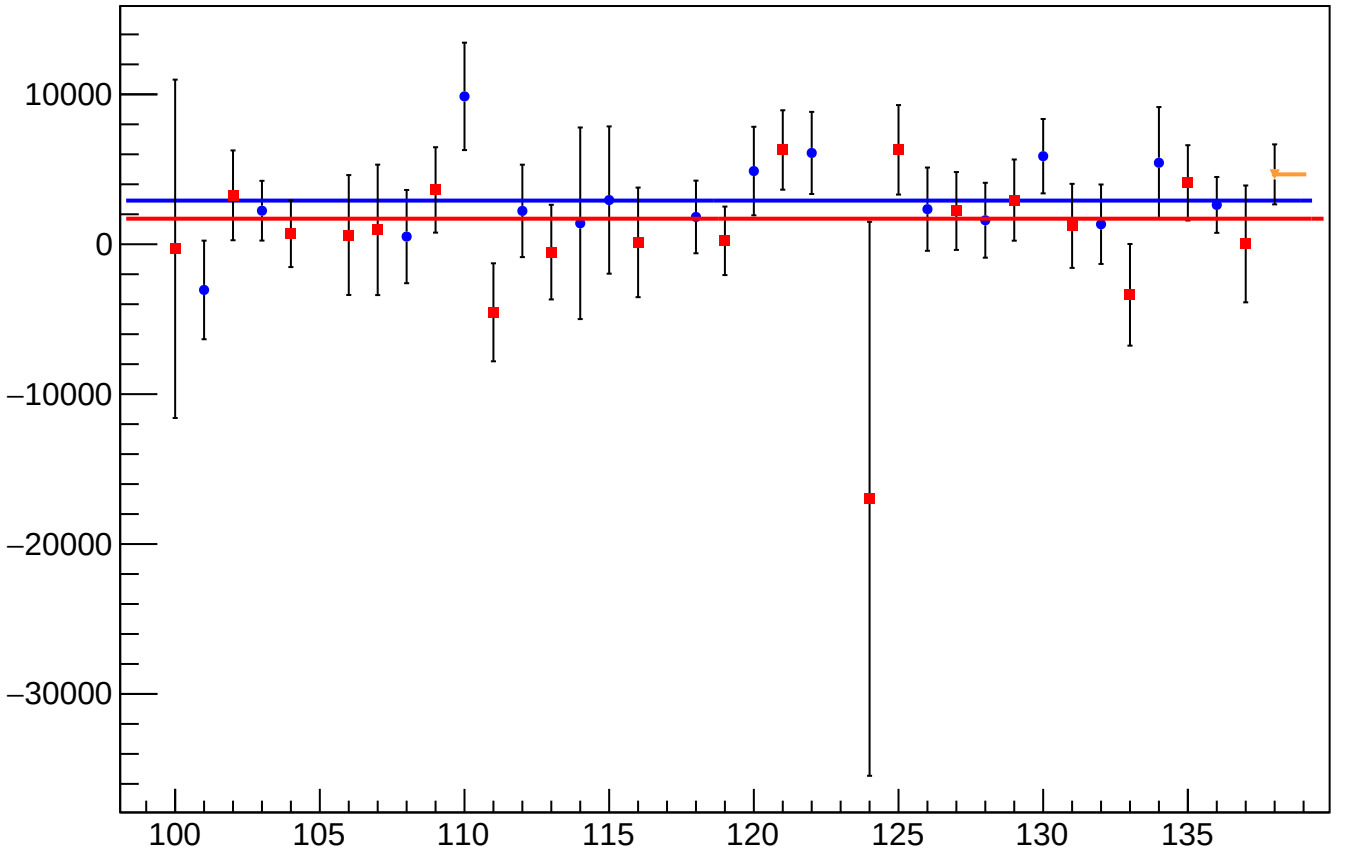
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:4993378.7/15

Out: 0.000+/-0.000 χ^2/NDF:4396019.6/19

All: 0.000+/-0.000 χ^2/NDF: 9612112.6/35



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 4662.069+/-2001.583 χ^2/NDF:0.0/0

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4662.069+/-2001.583 χ^2/NDF: 0.0/0

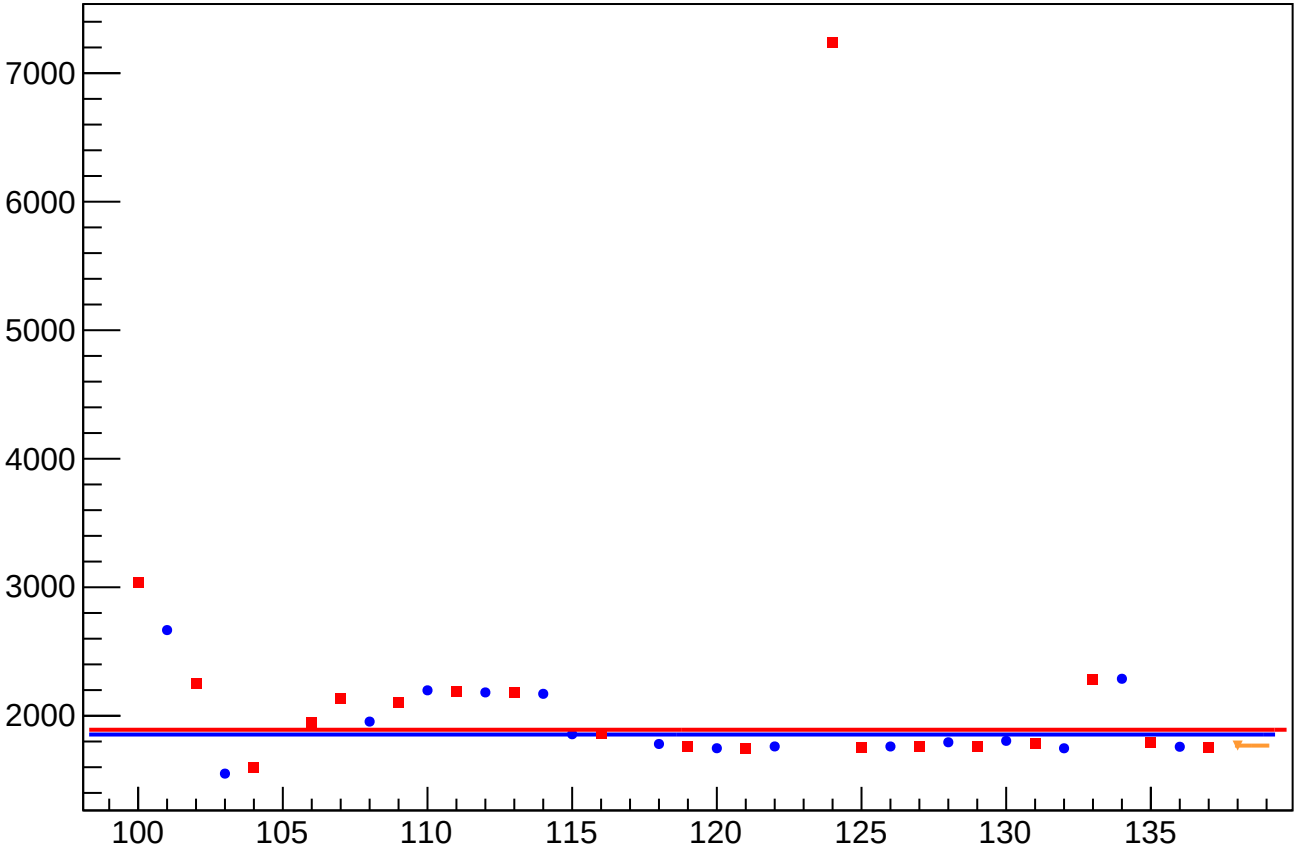
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2912.991+/-695.062 χ^2/NDF:12.4/15

Out: 2032.801+/-666.507 χ^2/NDF:17.8/19

All: 2454.444+/-481.070 χ^2/NDF: 31.0/35

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1768.198+/-1.415 χ^2/NDF:0.0/0

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

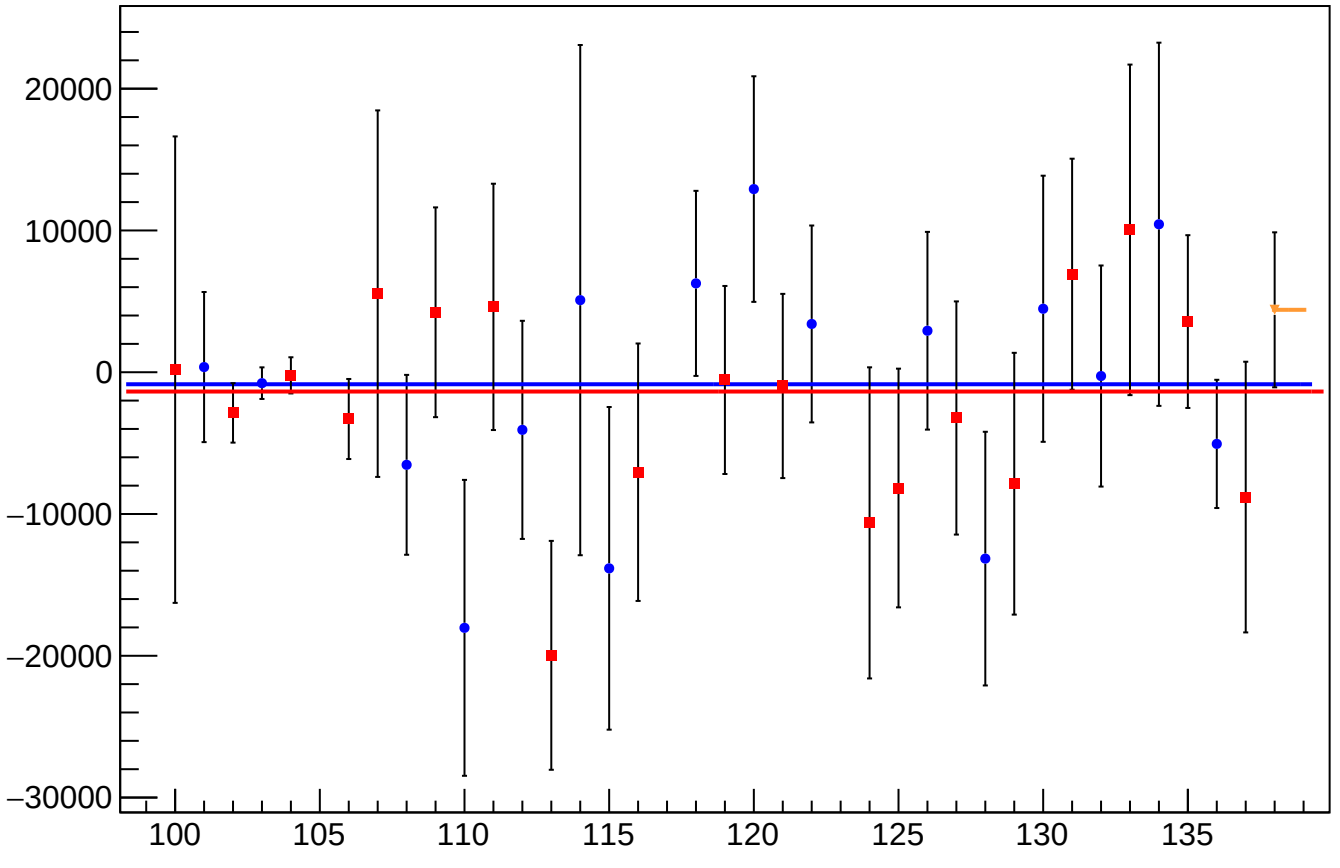
Left: 1768.198+/-1.415 χ^2/NDF: 0.0/0

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1854.314+/-0.491 χ^2/NDF:263322.7/15

Out: 1877.857+/-0.470 χ^2/NDF:370798.8/19

All: 1866.603+/-0.340 χ^2/NDF: 635319.2/35



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 4402.572+/-5465.646 χ^2/NDF:0.0/0

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

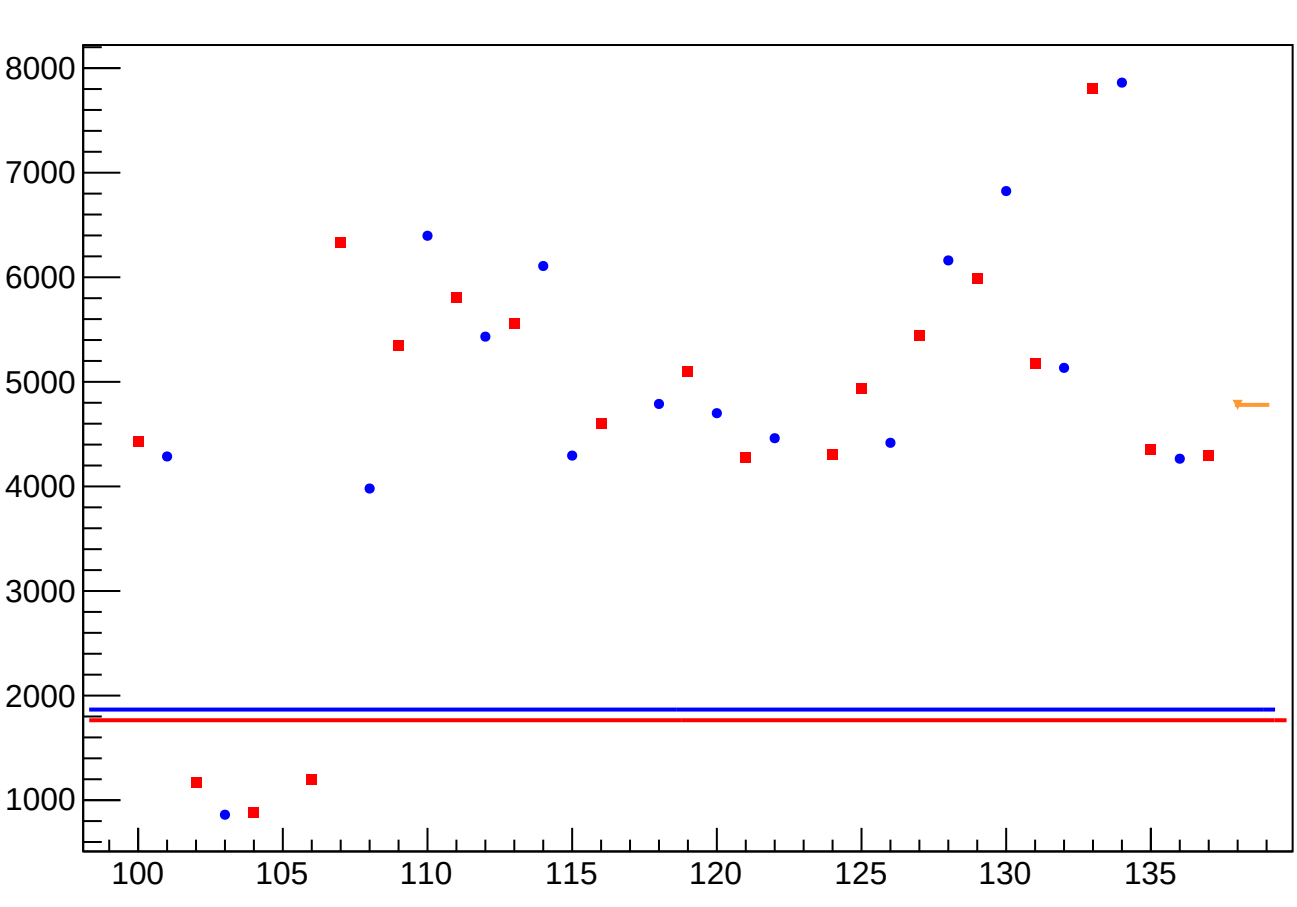
Left: 4402.572+/-5465.646 χ^2/NDF: 0.0/0

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -847.977+/-962.920 χ^2/NDF:13.9/15

Out: -1204.074+/-903.329 χ^2/NDF:15.1/19

All: -1037.384+/-658.810 χ^2/NDF: 29.0/35



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4779.724+/-3.865 χ^2/NDF:0.0/0

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

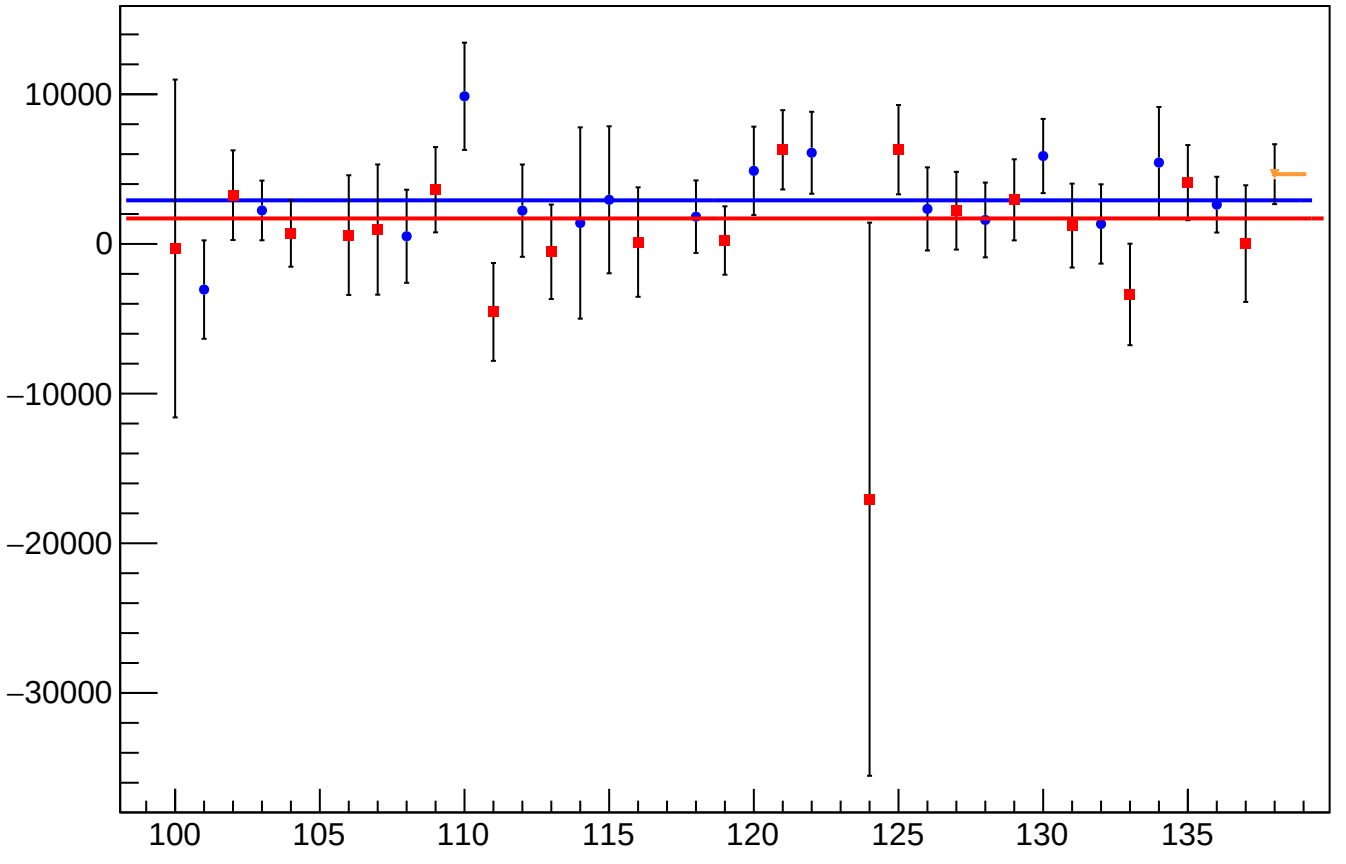
Left: 4779.724+/-3.865 χ^2/NDF: 0.0/0

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 1866.405+/-0.681 χ^2/NDF:6849638.3/15

Out: 1846.650+/-0.639 χ^2/NDF:7026943.3/19

All: 1855.897+/-0.466 χ^2/NDF: 13877029.4/3



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 4662.094+/-2001.583 χ^2/NDF:0.0/0

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4662.094+/-2001.583 χ^2/NDF: 0.0/0

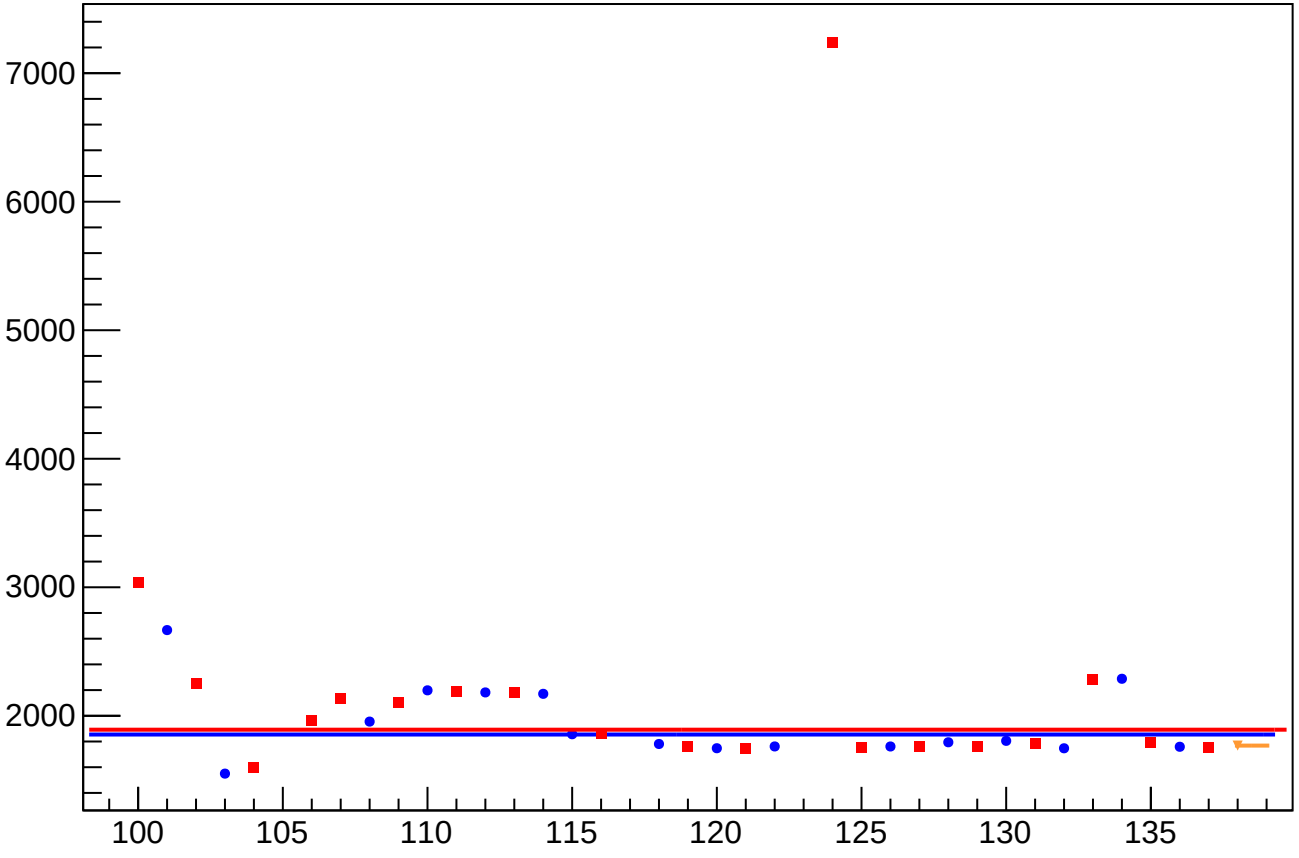
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2913.091+/-695.062 χ^2/NDF:12.4/15

Out: 2031.577+/-666.508 χ^2/NDF:17.8/19

All: 2453.855+/-481.070 χ^2/NDF: 31.1/35

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1768.198+/-1.415 χ^2/NDF:0.0/0

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

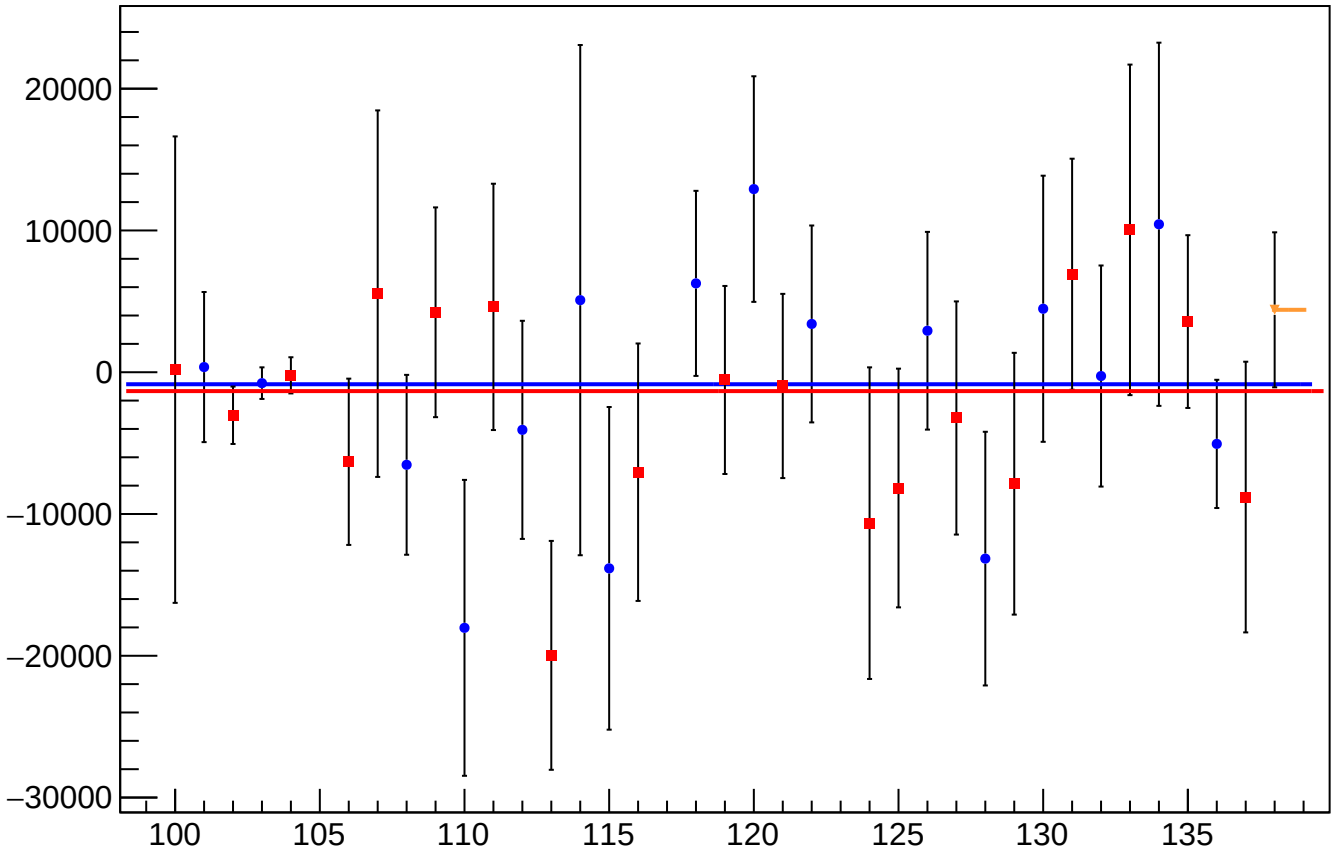
Left: 1768.198+/-1.415 χ^2/NDF: 0.0/0

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1854.314+/-0.491 χ^2/NDF:263322.5/15

Out: 1878.259+/-0.470 χ^2/NDF:371090.3/19

All: 1866.810+/-0.340 χ^2/NDF: 635651.6/35



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 4402.694+/-5465.647 χ^2/NDF:0.0/0

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

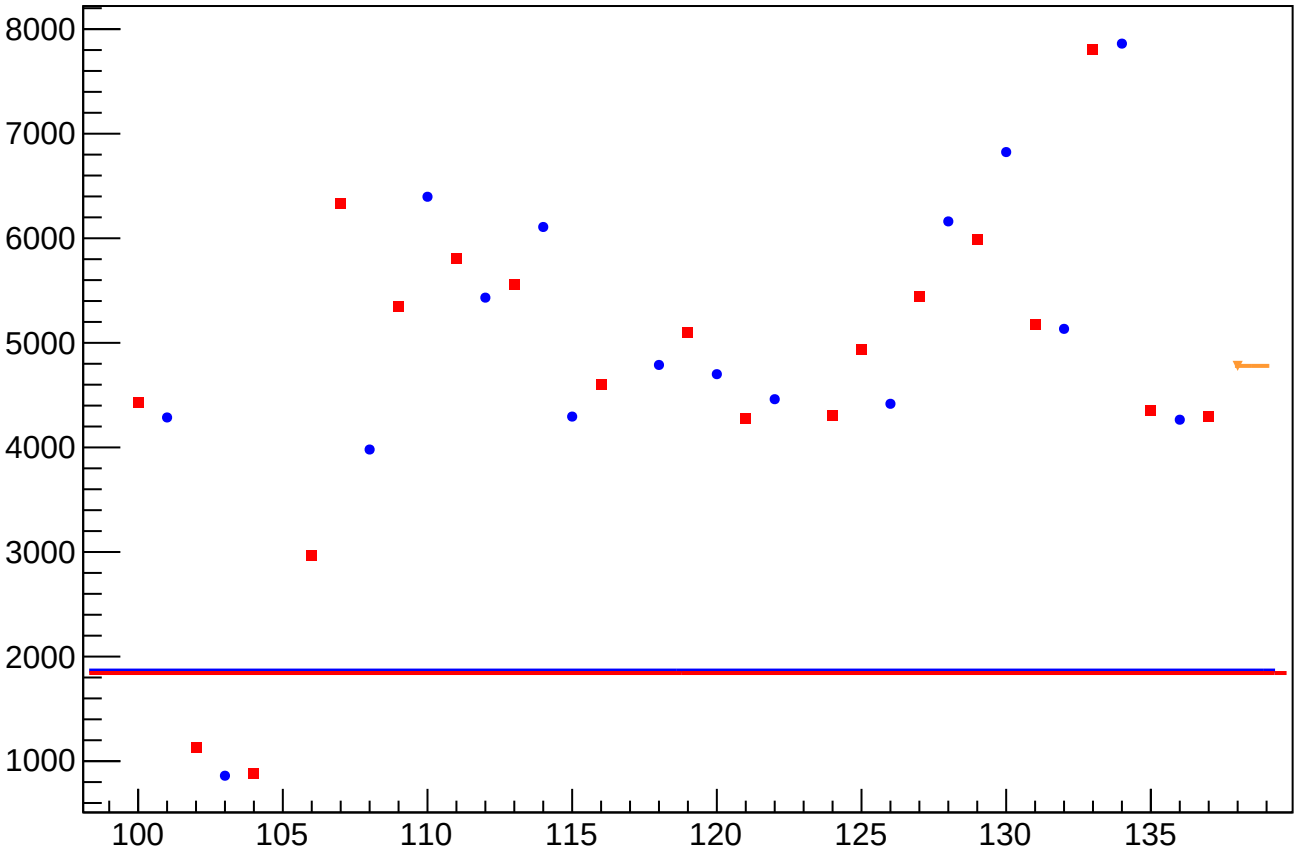
Left: 4402.694+/-5465.647 χ^2/NDF: 0.0/0

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -847.504+/-962.866 χ^2/NDF:13.9/15

Out: -1163.850+/-934.210 χ^2/NDF:15.5/19

All: -1010.454+/-670.488 χ^2/NDF: 29.4/35



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4779.726+/-3.865 χ^2/NDF:0.0/0

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

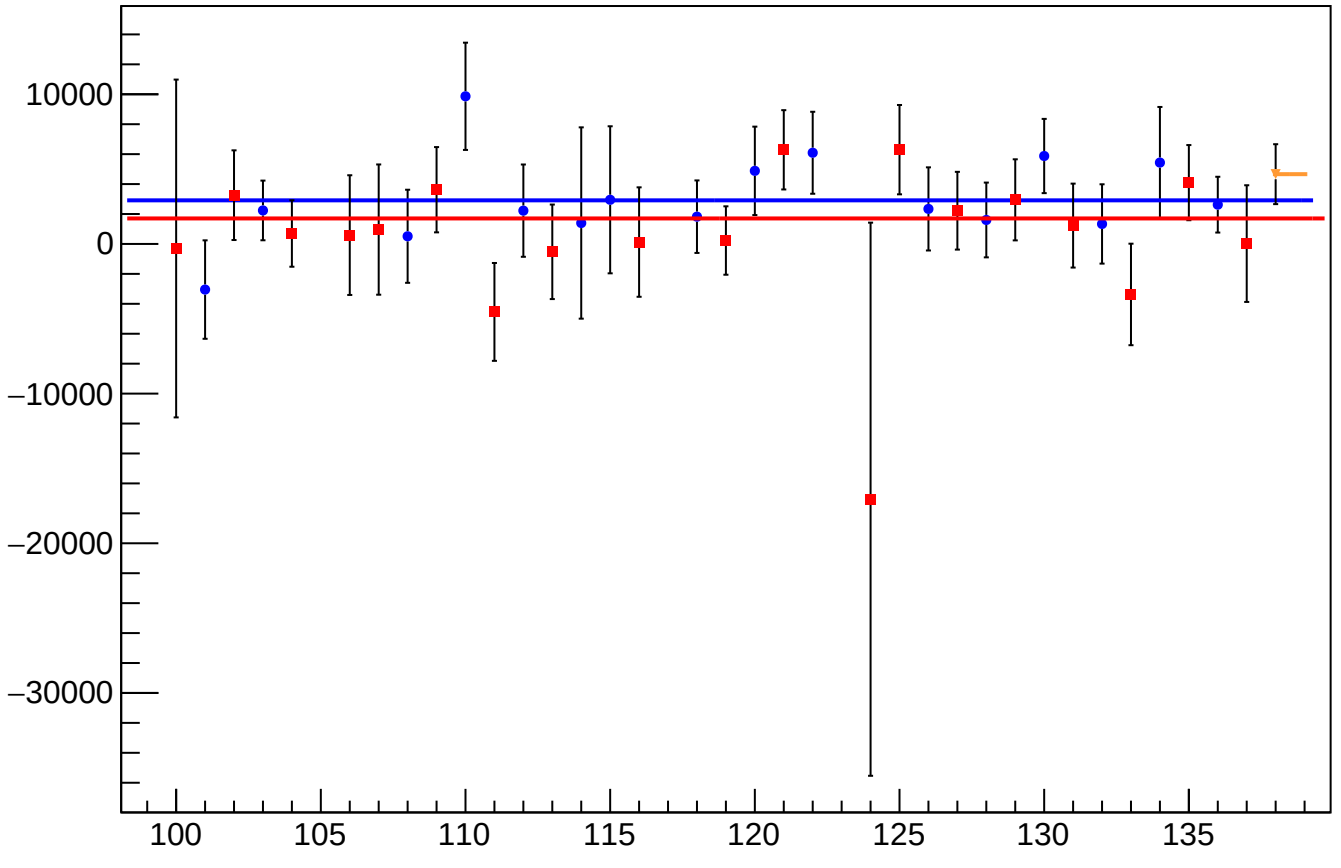
Left: 4779.726+/-3.865 χ^2/NDF: 0.0/0

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 1866.251+/-0.681 χ^2/NDF:6850061.4/15

Out: 1928.682+/-0.661 χ^2/NDF:7019028.8/19

All: 1898.410+/-0.474 χ^2/NDF: 13873421.2/3



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 4662.094+/-2001.583 χ^2/NDF:0.0/0

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4662.094+/-2001.583 χ^2/NDF: 0.0/0

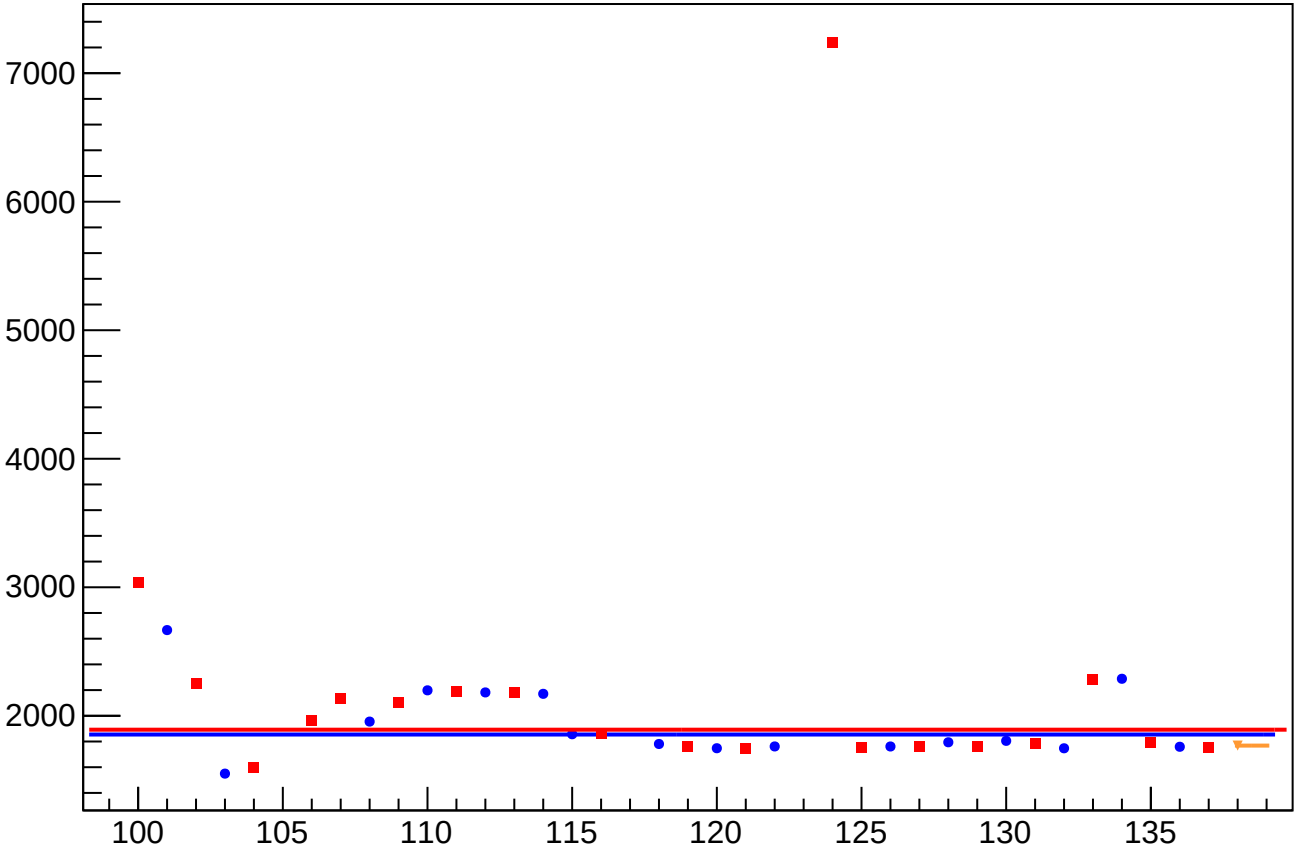
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2913.091+/-695.062 χ^2/NDF:12.4/15

Out: 2031.577+/-666.508 χ^2/NDF:17.8/19

All: 2453.855+/-481.070 χ^2/NDF: 31.1/35

eigen_cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1768.198+/-1.415 χ^2/NDF:0.0/0

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

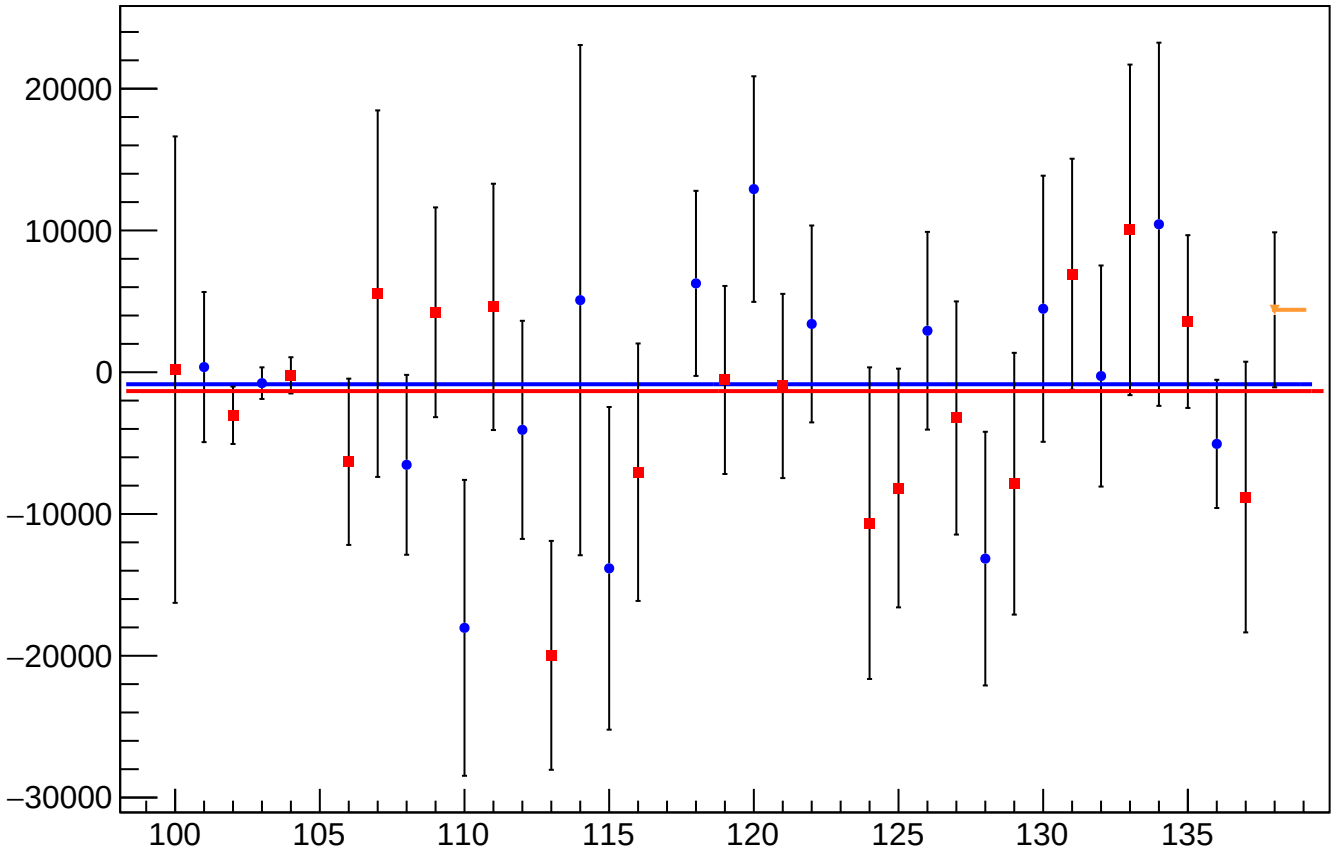
Left: 1768.198+/-1.415 χ^2/NDF: 0.0/0

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1854.314+/-0.491 χ^2/NDF:263322.5/15

Out: 1878.259+/-0.470 χ^2/NDF:371090.3/19

All: 1866.810+/-0.340 χ^2/NDF: 635651.6/35



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 4402.694+/-5465.647 χ^2/NDF:0.0/0

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

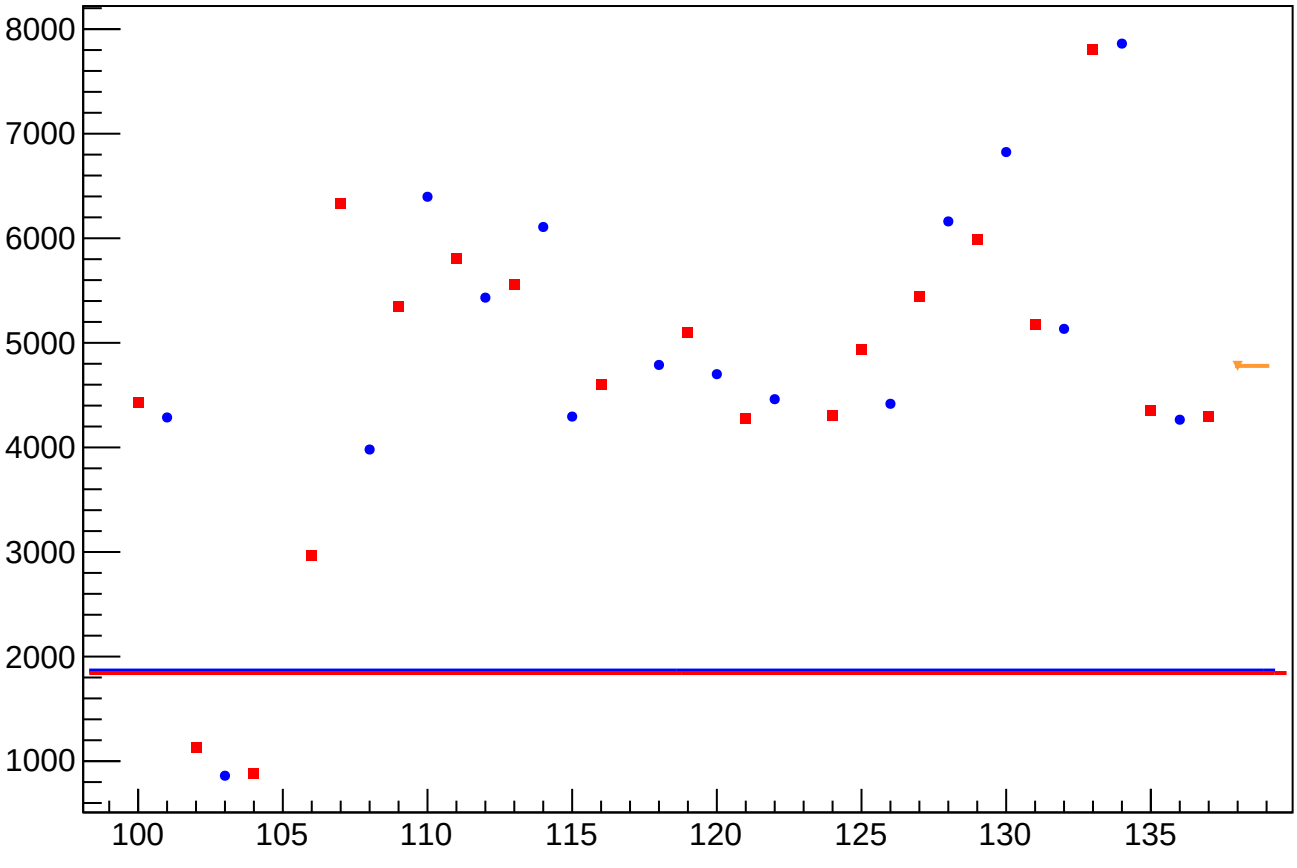
Left: 4402.694+/-5465.647 χ^2/NDF: 0.0/0

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -847.504+/-962.866 χ^2/NDF:13.9/15

Out: -1163.850+/-934.210 χ^2/NDF:15.5/19

All: -1010.454+/-670.488 χ^2/NDF: 29.4/35



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4779.726+/-3.865 χ^2/NDF:0.0/0

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4779.726+/-3.865 χ^2/NDF: 0.0/0

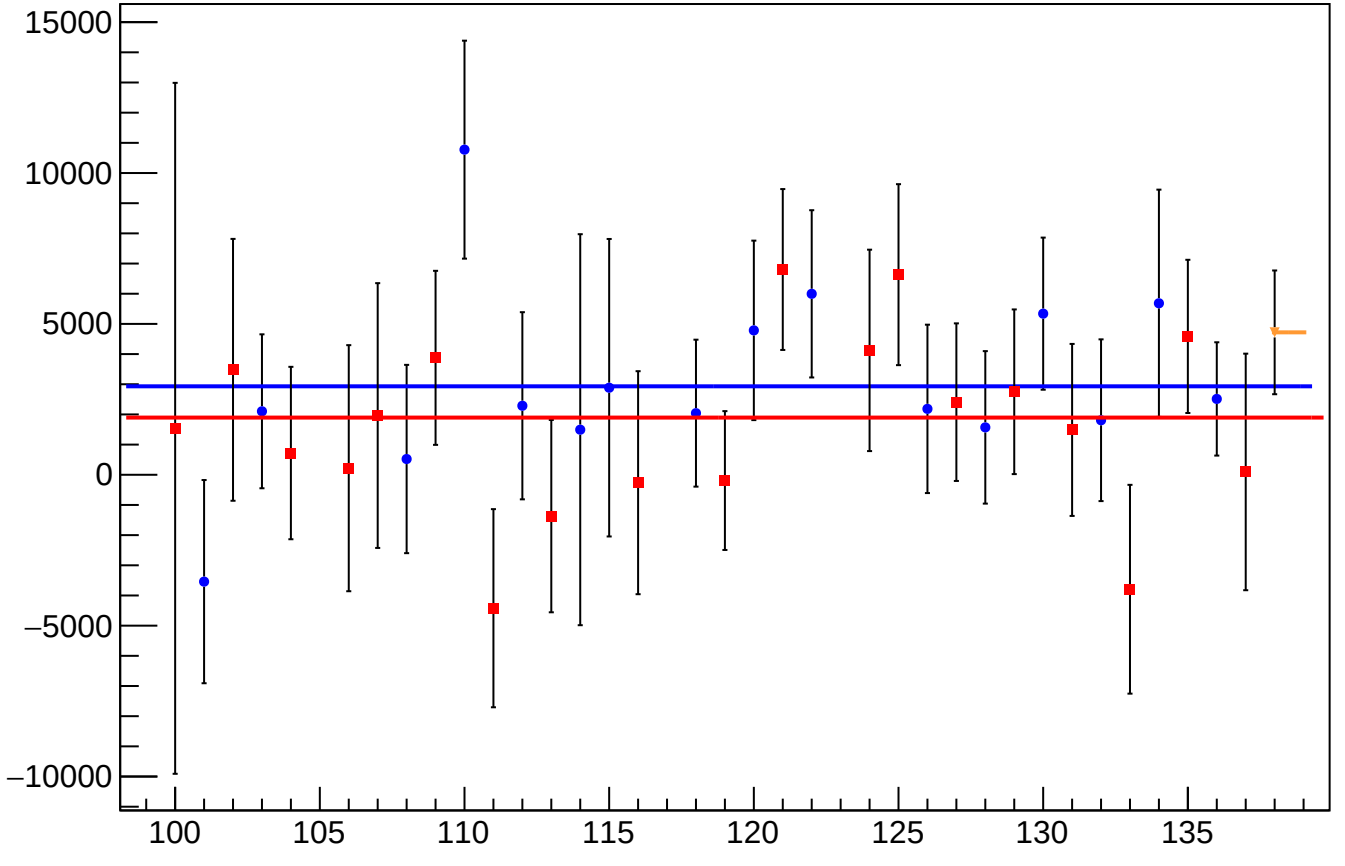
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 1866.251+/-0.681 χ^2/NDF:6850061.4/15

Out: 1928.682+/-0.661 χ^2/NDF:7019028.8/19

All: 1898.410+/-0.474 χ^2/NDF: 13873421.2/3

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 4720.080+/-2050.413 χ^2/NDF:0.0/0

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4720.080+/-2050.413 χ^2/NDF: 0.0/0

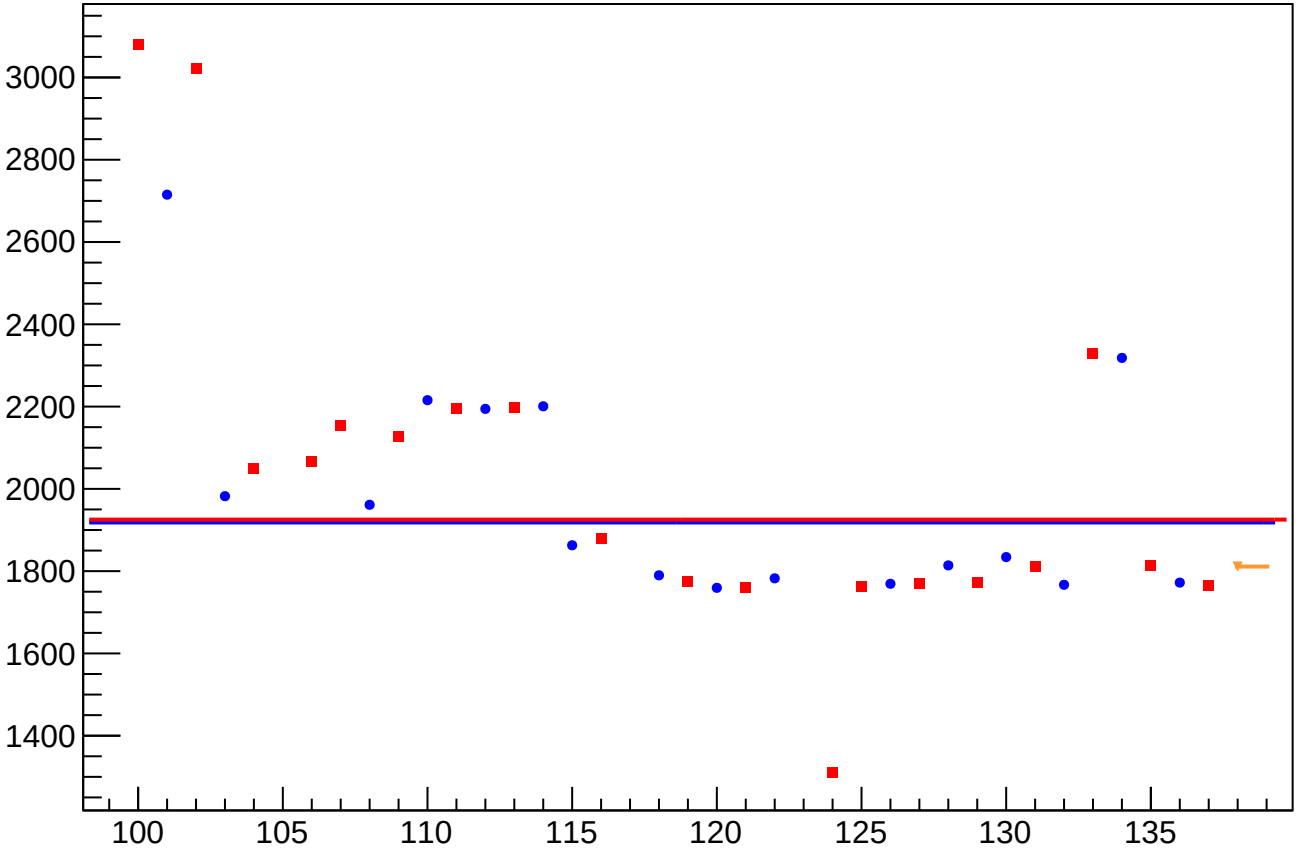
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2931.691+/-718.305 χ^2/NDF:13.0/15

Out: 2207.056+/-680.974 χ^2/NDF:19.1/19

All: 2550.055+/-494.192 χ^2/NDF: 32.6/35

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1811.170+/-1.450 χ^2/NDF:0.0/0

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

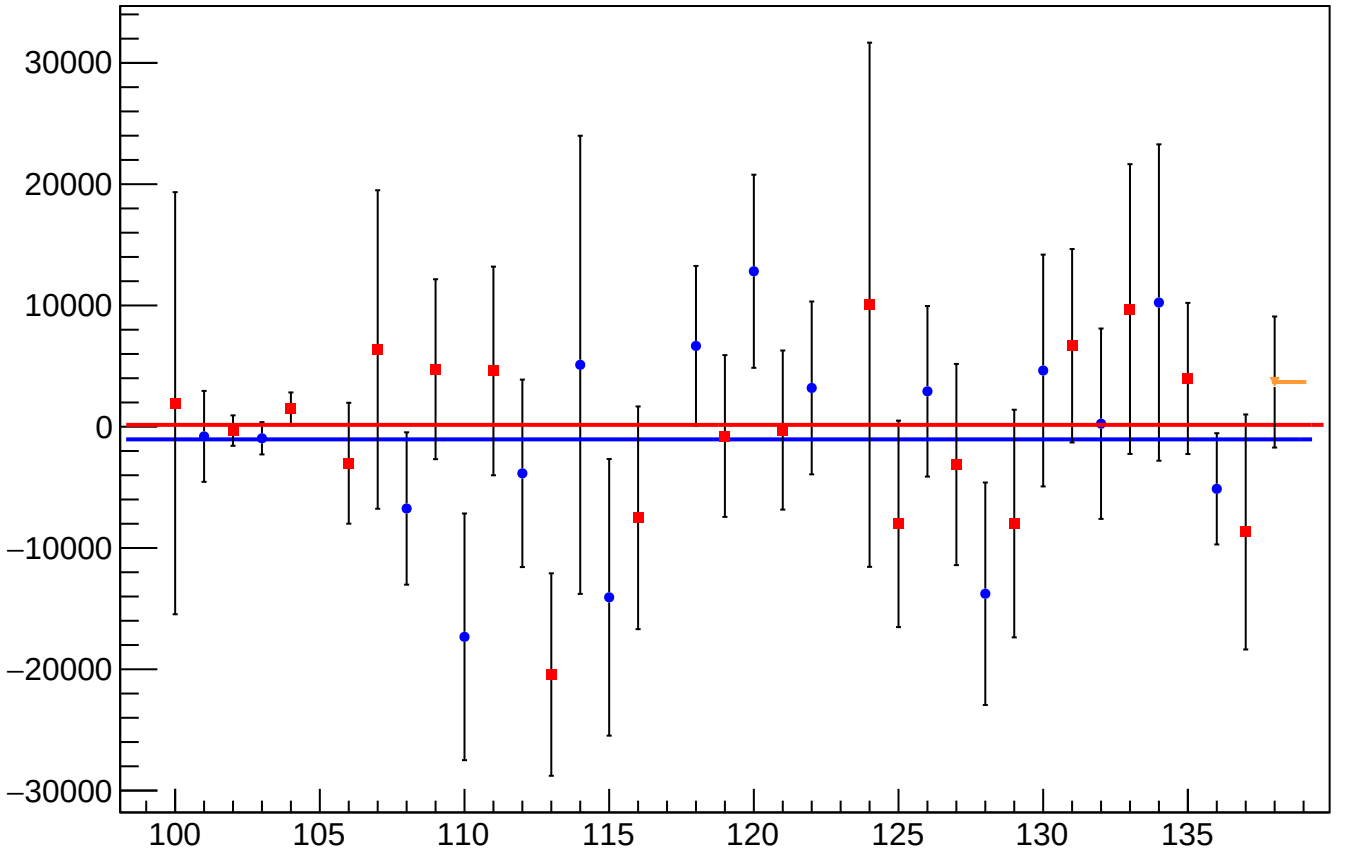
Left: 1811.170+/-1.450 χ^2/NDF: 0.0/0

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1918.367+/-0.508 χ^2/NDF:215592.7/15

Out: 1912.694+/-0.481 χ^2/NDF:344605.6/19

All: 1915.377+/-0.349 χ^2/NDF: 560264.0/35



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 3686.663+/-5404.163 χ^2/NDF:0.0/0

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

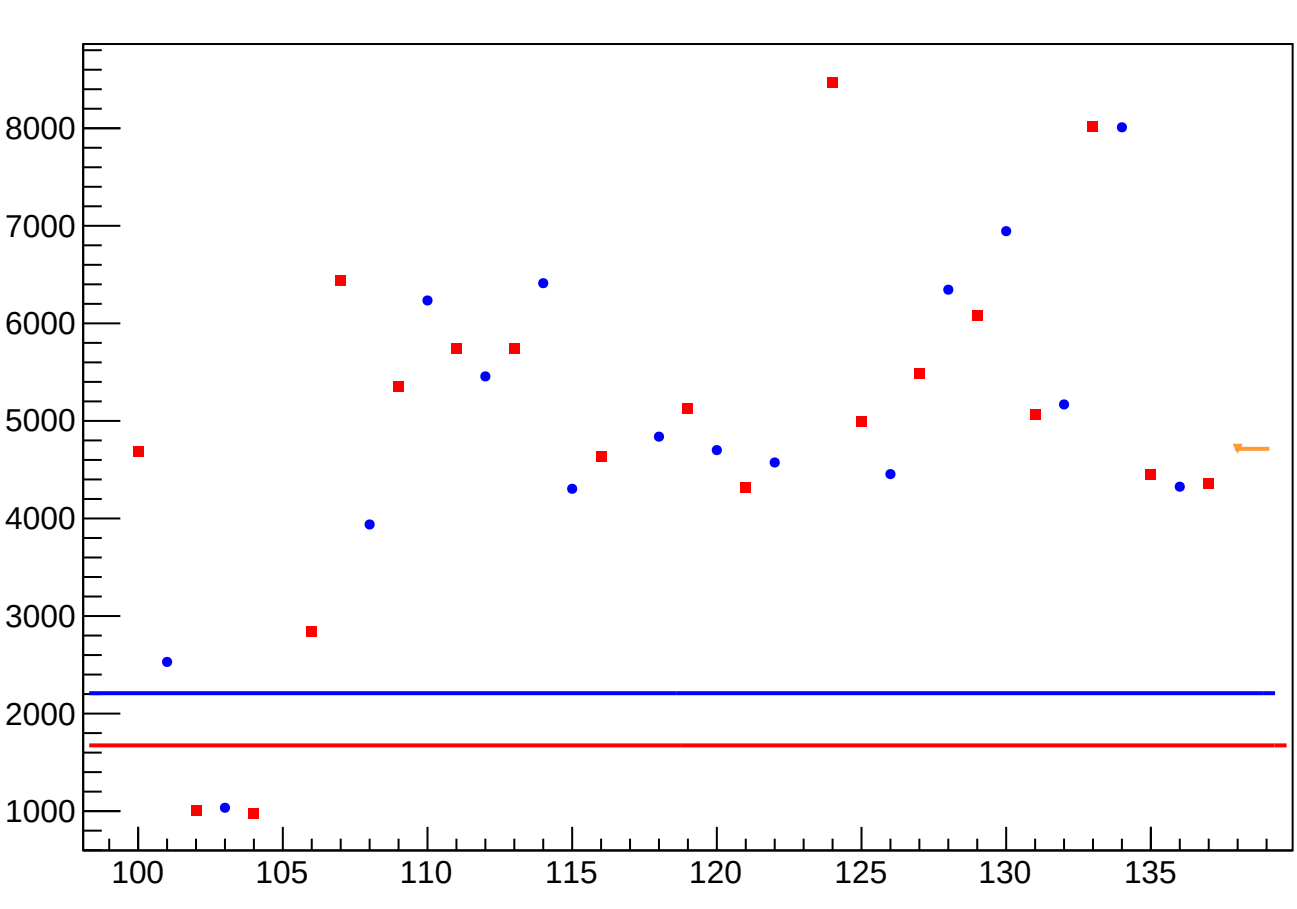
Left: 3686.663+/-5404.163 χ^2/NDF: 0.0/0

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -1041.908+/-1072.406 χ^2/NDF:13.8/15

Out: 236.125+/-825.840 χ^2/NDF:14.1/19

All: -239.640+/-654.312 χ^2/NDF: 28.9/35



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4714.180+/-3.821 χ^2/NDF:0.0/0

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

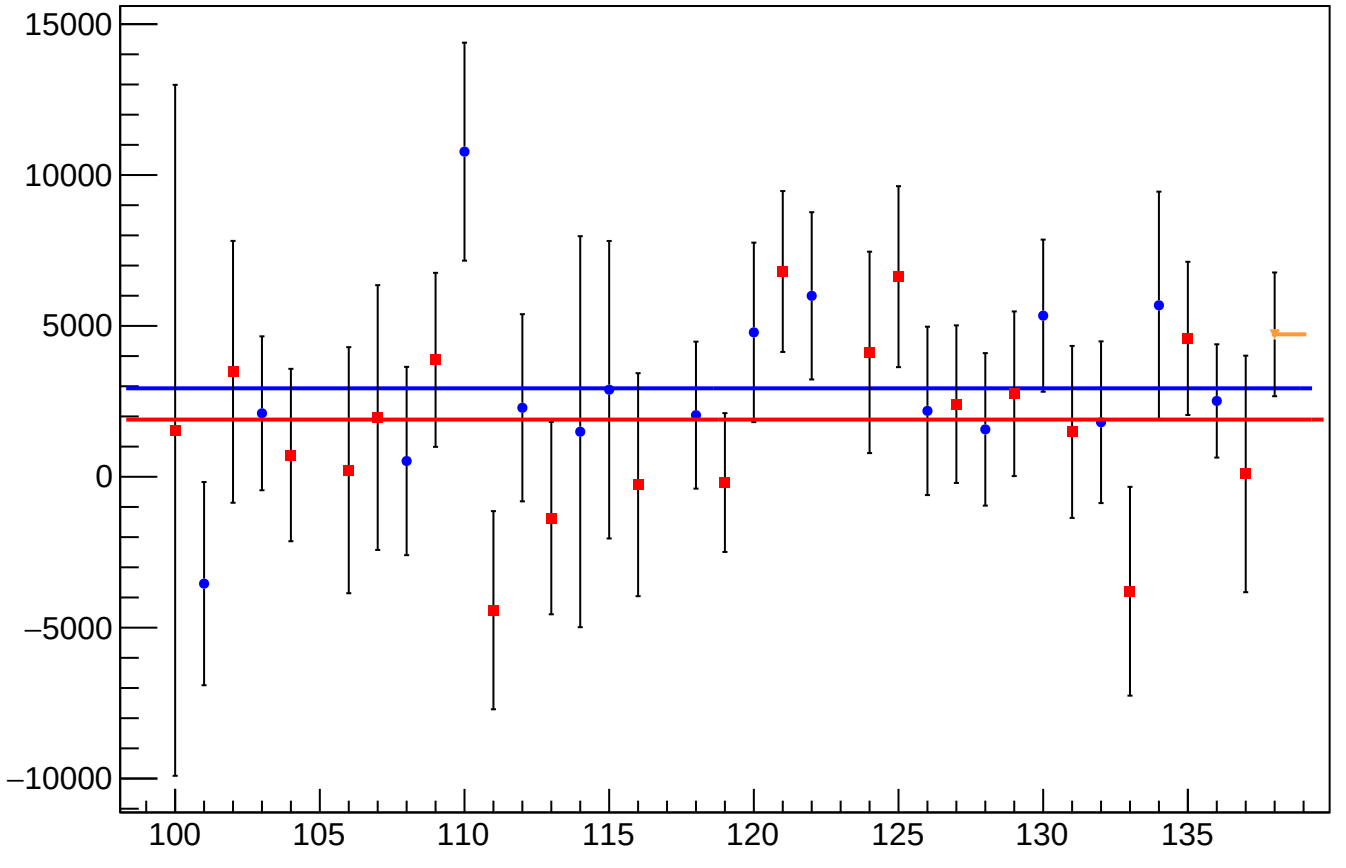
Left: 4714.180+/-3.821 χ^2/NDF: 0.0/0

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2208.912+/-0.758 χ^2/NDF:5499011.4/15

Out: 1745.154+/-0.584 χ^2/NDF:7471319.3/19

All: 1917.795+/-0.463 χ^2/NDF: 13205115.9/3



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 4720.081+/-2050.414 χ^2/NDF:0.0/0

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

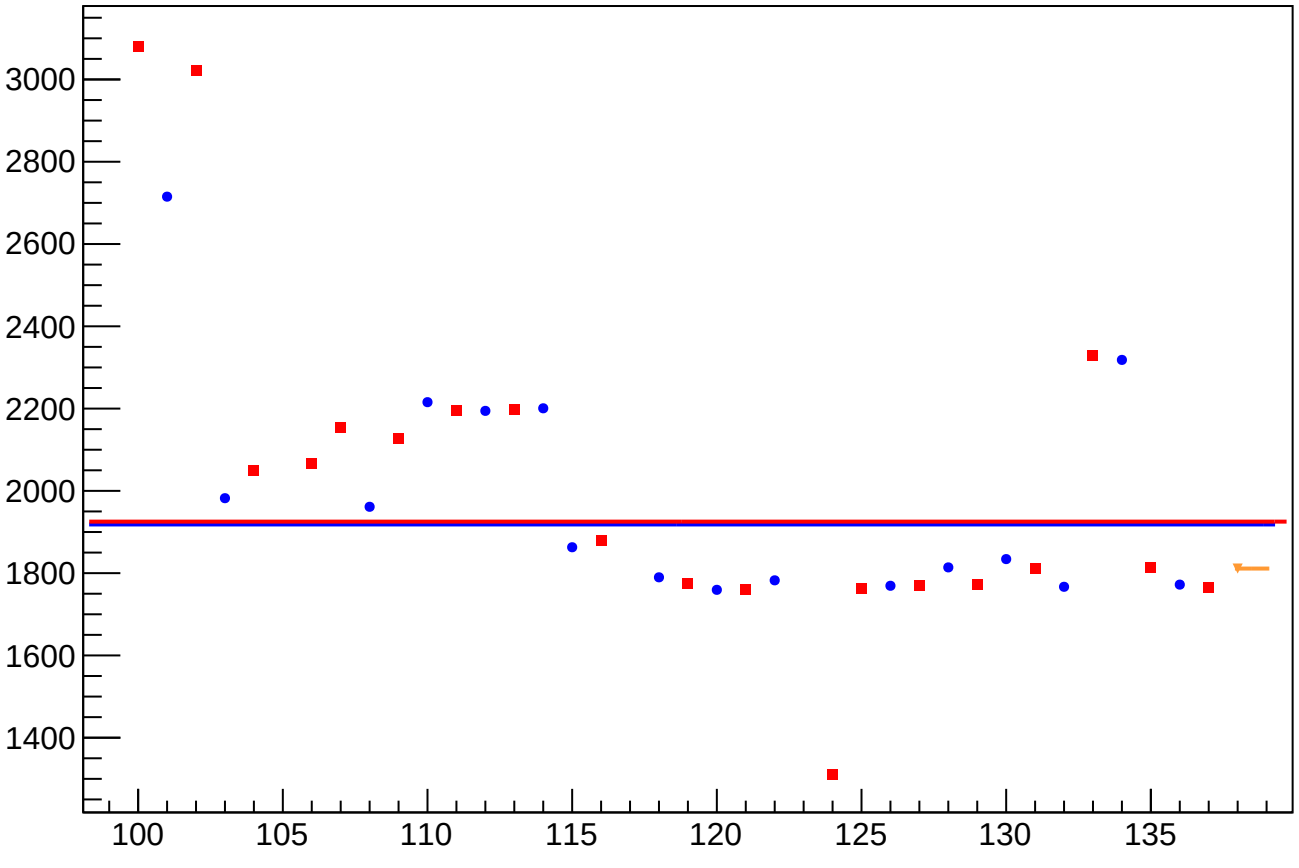
Left: 4720.081+/-2050.414 χ^2/NDF: 0.0/0

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2931.693+/-718.305 χ^2/NDF:13.0/15

Out: 2207.061+/-680.974 χ^2/NDF:19.1/19

All: 2550.058+/-494.192 χ^2/NDF: 32.6/35



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1811.170+/-1.450 χ^2/NDF:0.0/0

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

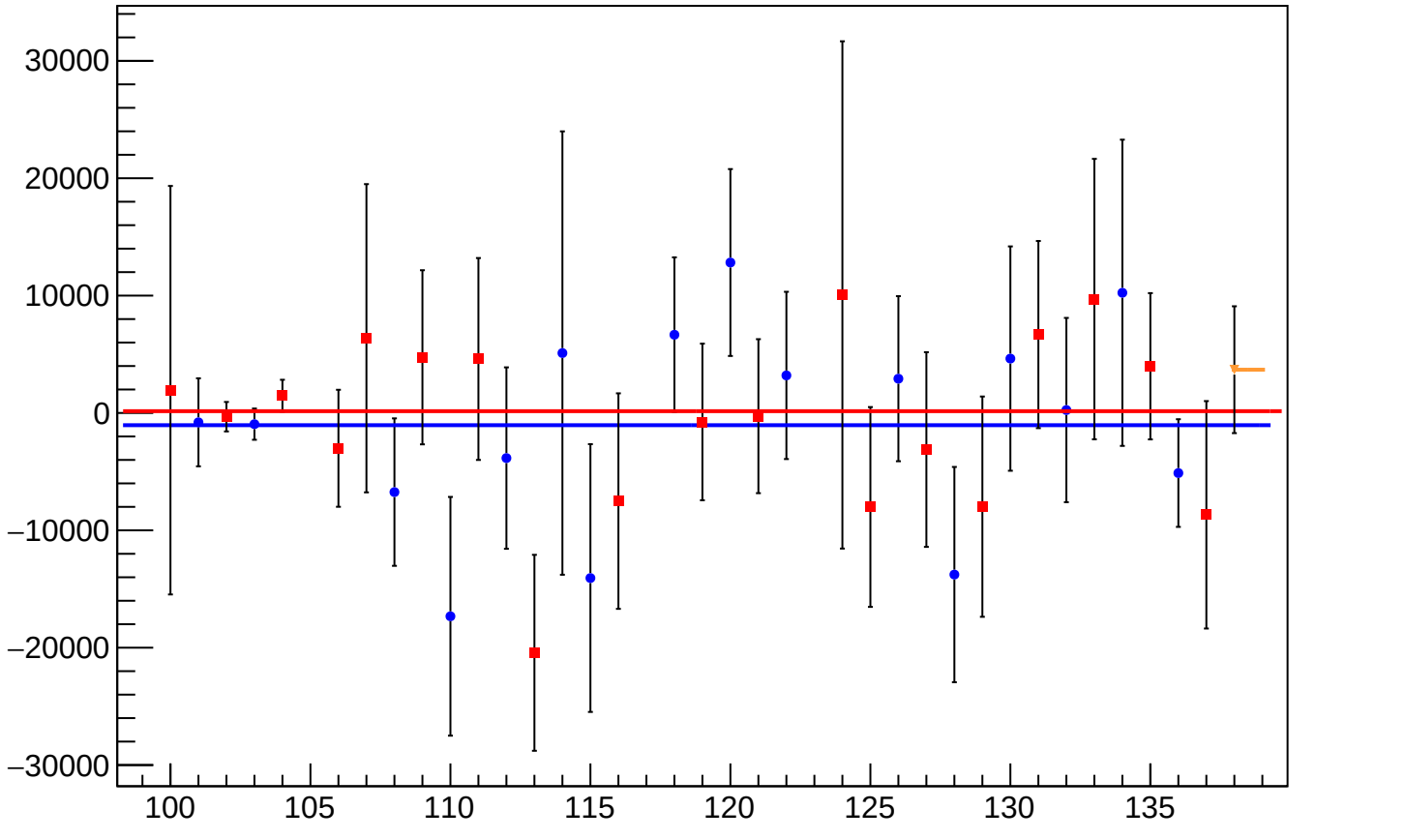
Left: 1811.170+/-1.450 χ^2/NDF: 0.0/0

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1918.367+/-0.508 χ^2/NDF:215592.7/15

Out: 1912.693+/-0.481 χ^2/NDF:344604.4/19

All: 1915.377+/-0.349 χ^2/NDF: 560262.9/35



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 3686.662+/-5404.172 χ^2/NDF:0.0/0

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

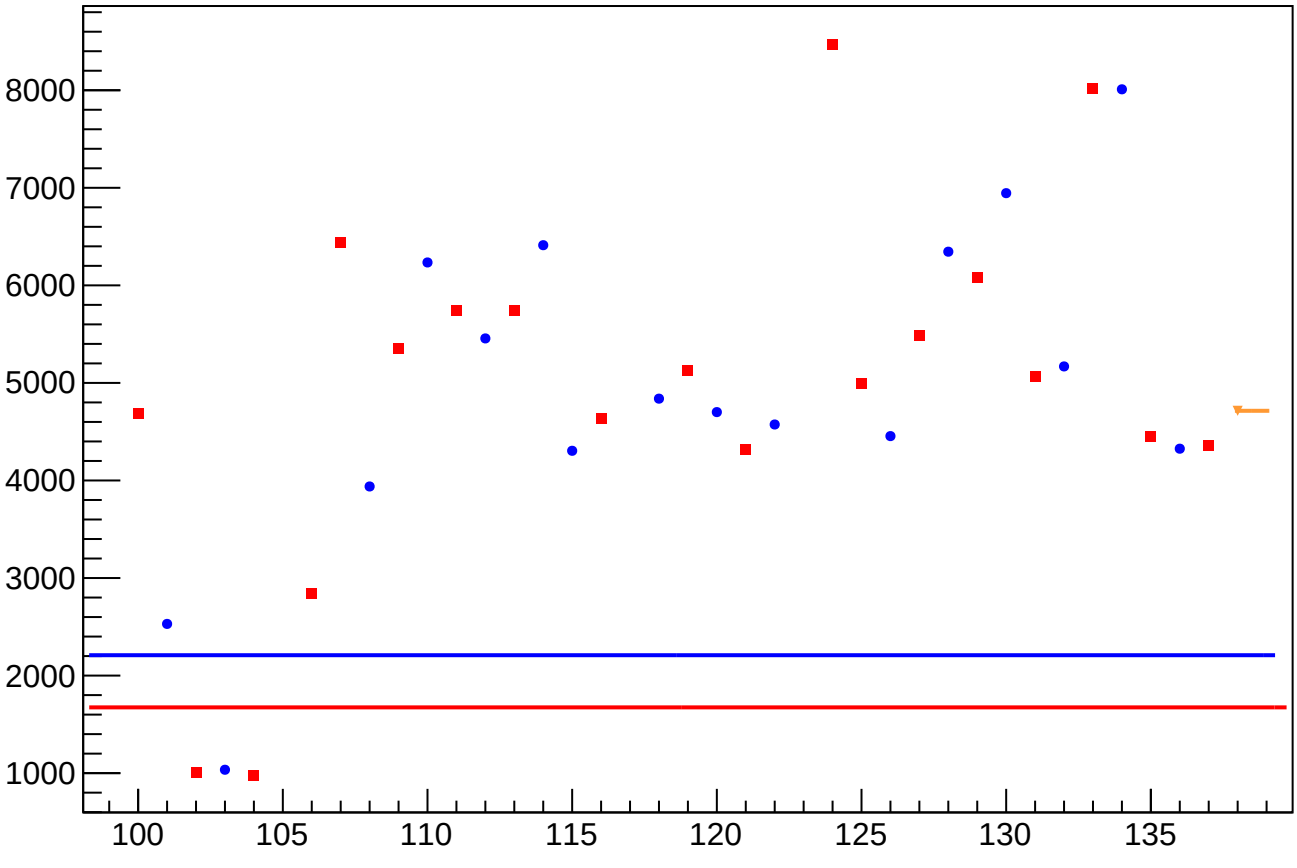
Left: 3686.662+/-5404.172 χ^2/NDF: 0.0/0

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -1041.906+/-1072.405 χ^2/NDF:13.8/15

Out: 236.120+/-825.840 χ^2/NDF:14.1/19

All: -239.643+/-654.311 χ^2/NDF: 28.9/35



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4714.188+/-3.821 χ^2/NDF:0.0/0

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4714.188+/-3.821 χ^2/NDF: 0.0/0

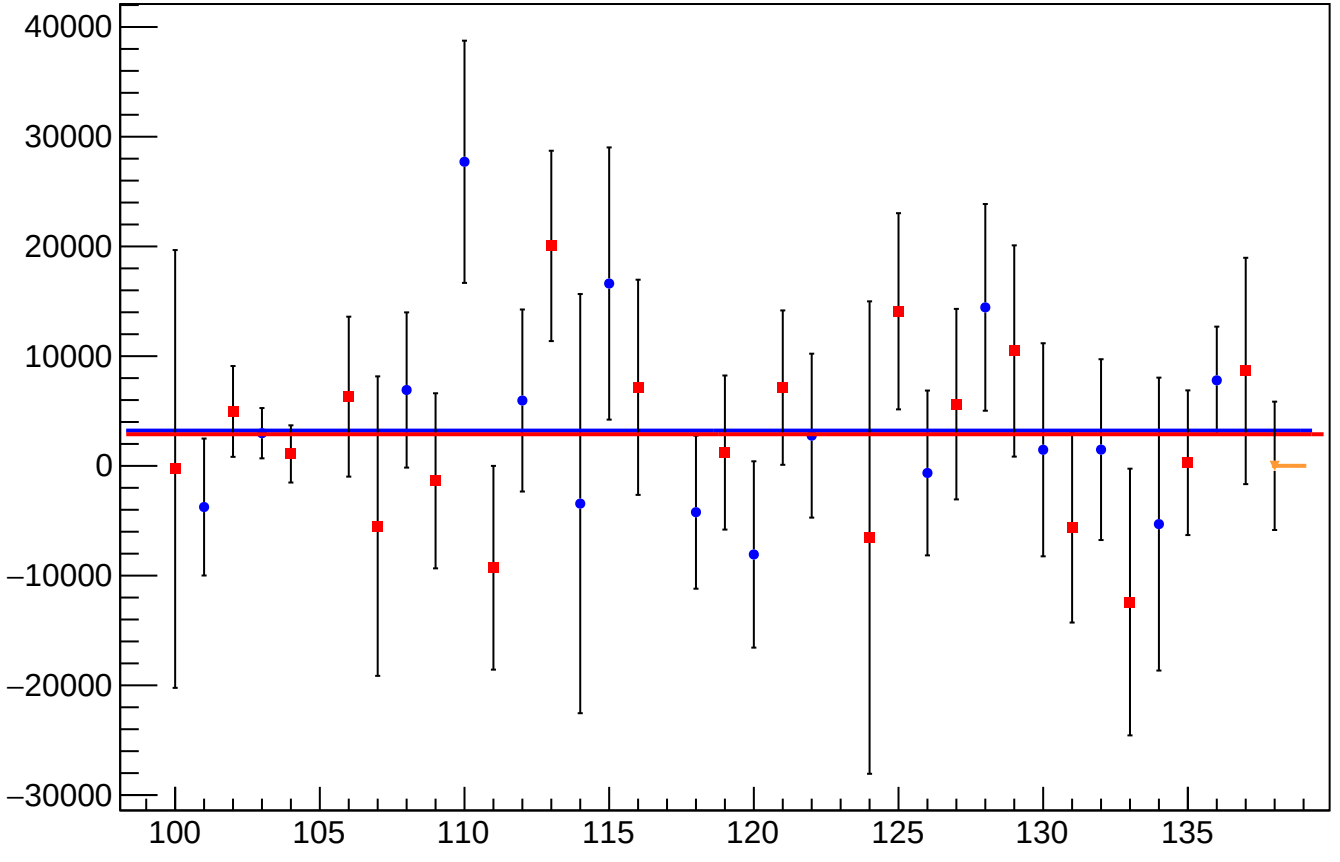
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2208.911+/-0.758 χ^2/NDF:5499004.2/15

Out: 1745.154+/-0.584 χ^2/NDF:7471312.5/19

All: 1917.794+/-0.463 χ^2/NDF: 13205101.8/3

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 6.060+/-5847.841 χ^2/NDF:0.0/0

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

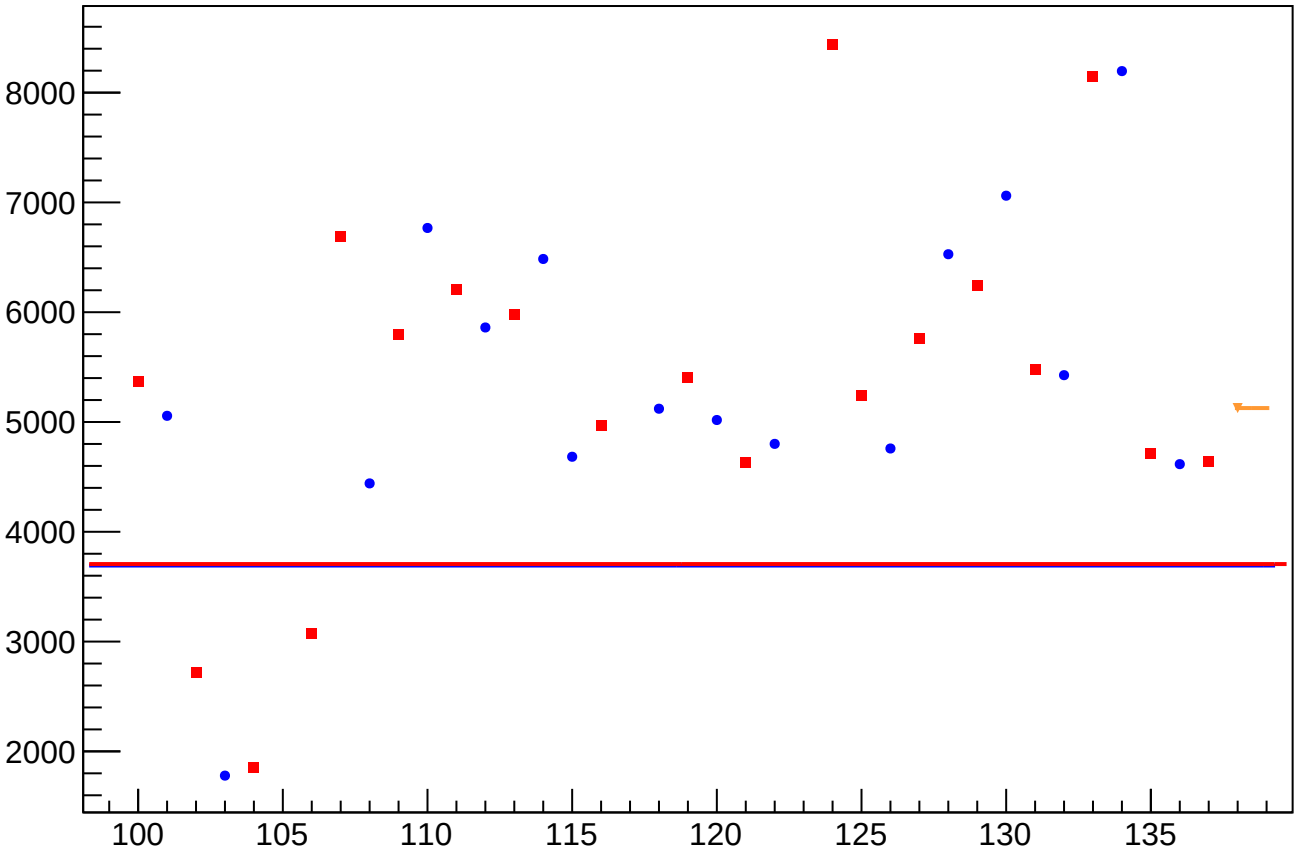
Left: 6.060+/-5847.841 χ^2/NDF: 0.0/0

Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 3215.695+/-1539.262 χ^2/NDF:13.8/15

Out: 2694.051+/-1500.178 χ^2/NDF:13.6/19

All: 2948.166+/-1074.338 χ^2/NDF: 27.5/35



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5126.896+/-4.135 χ^2/NDF:0.0/0

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

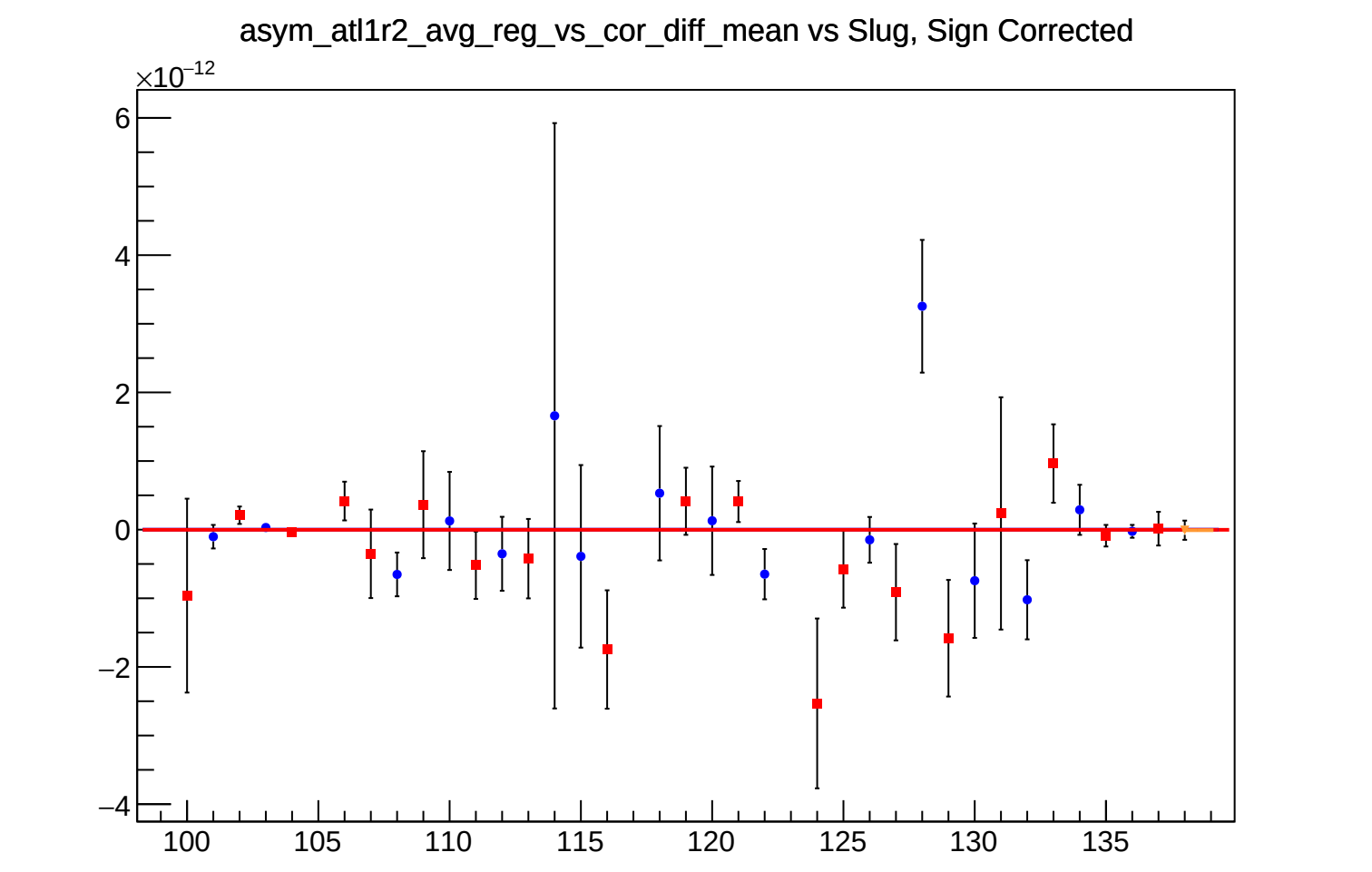
Left: 5126.896+/-4.135 χ^2/NDF: 0.0/0

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 3692.815+/-1.088 χ^2/NDF:2885658.0/15

Out: 3797.848+/-1.051 χ^2/NDF:2794965.6/19

All: 3747.174+/-0.756 χ^2/NDF: 5685443.1/35



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

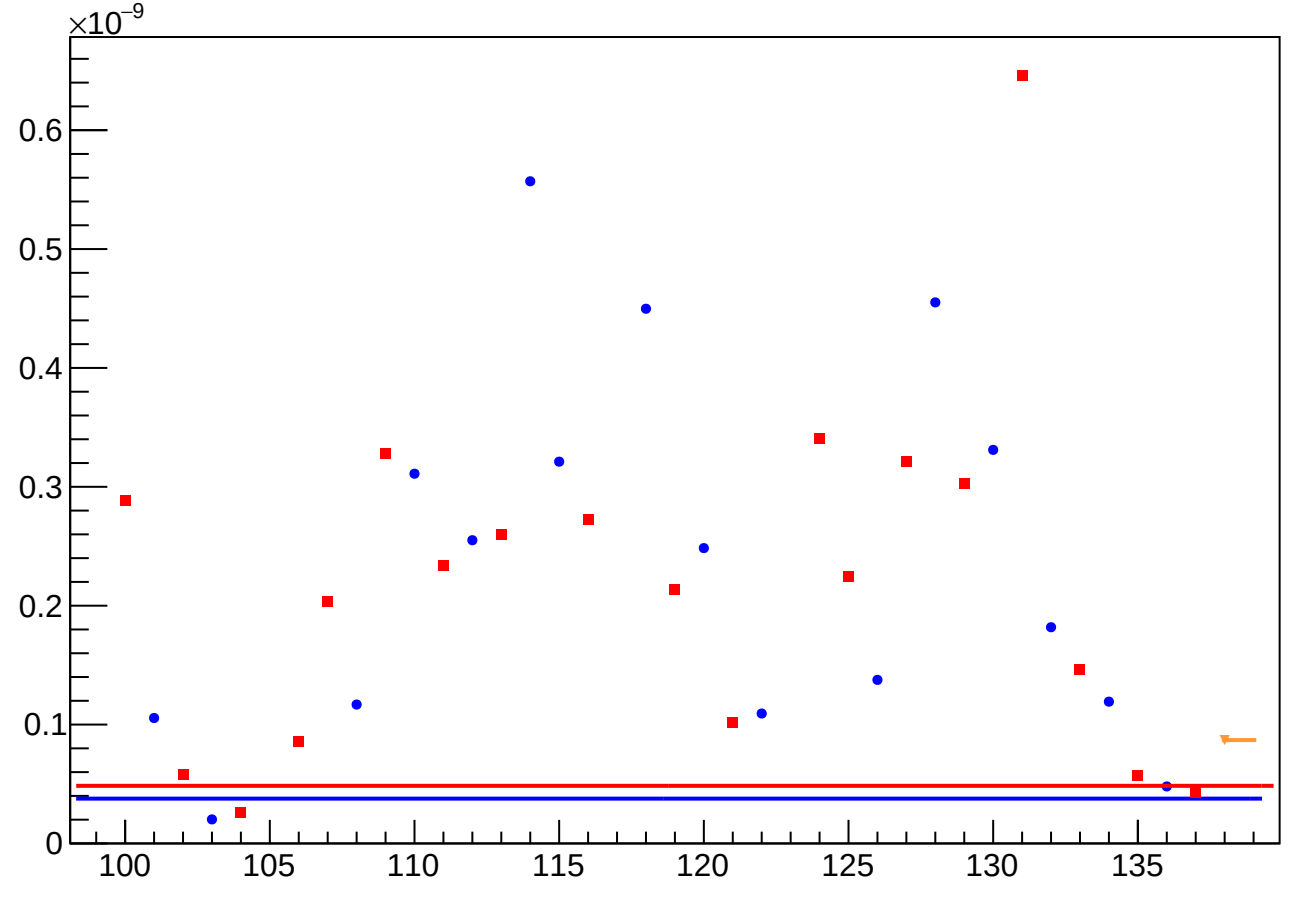
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:25.4/15

Out: -0.000+/-0.000 χ^2/NDF:28.2/19

All: -0.000+/-0.000 χ^2/NDF: 53.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

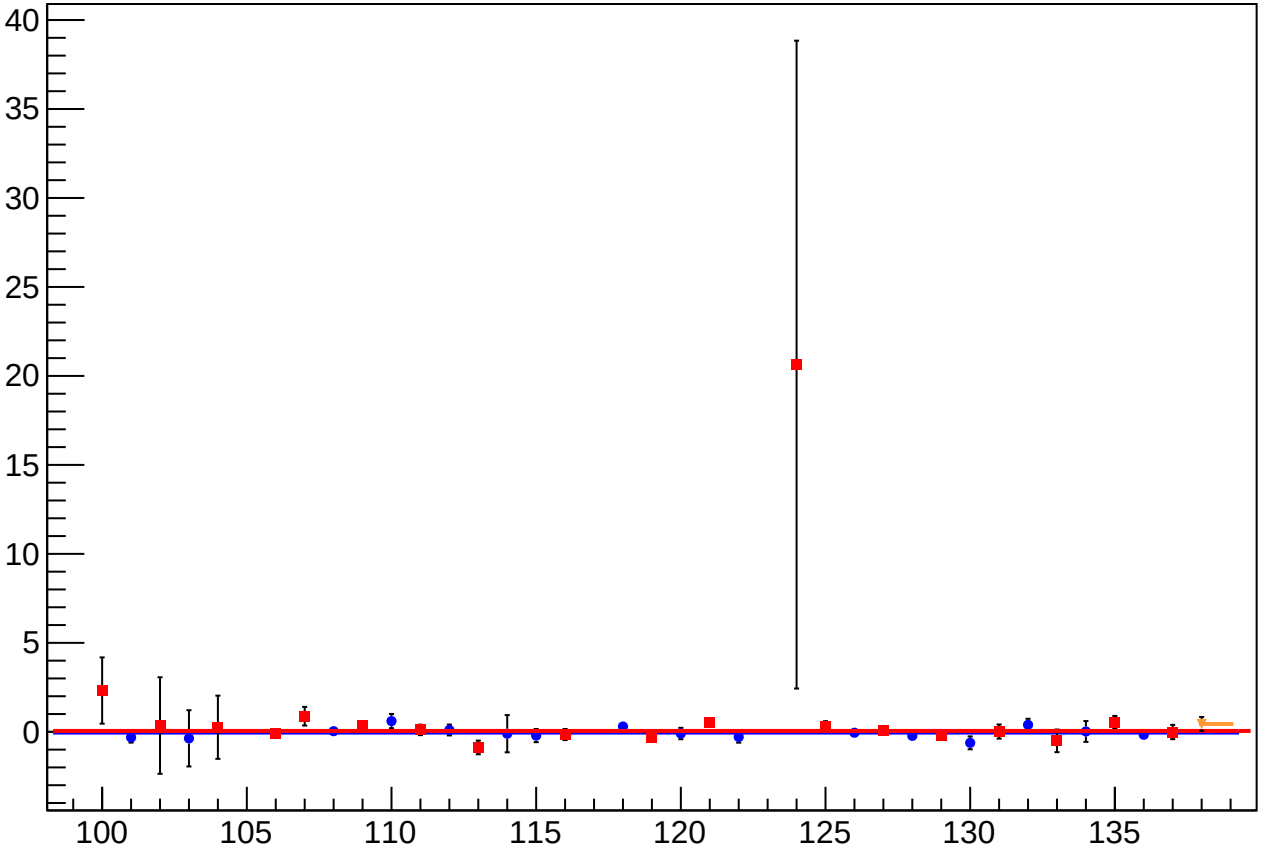
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:3140697.1/15

Out: 0.000+/-0.000 χ^2/NDF:3032602.6/19

All: 0.000+/-0.000 χ^2/NDF: 6304490.1/35

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: 0.442+/-0.392 χ^2/NDF:0.0/0

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

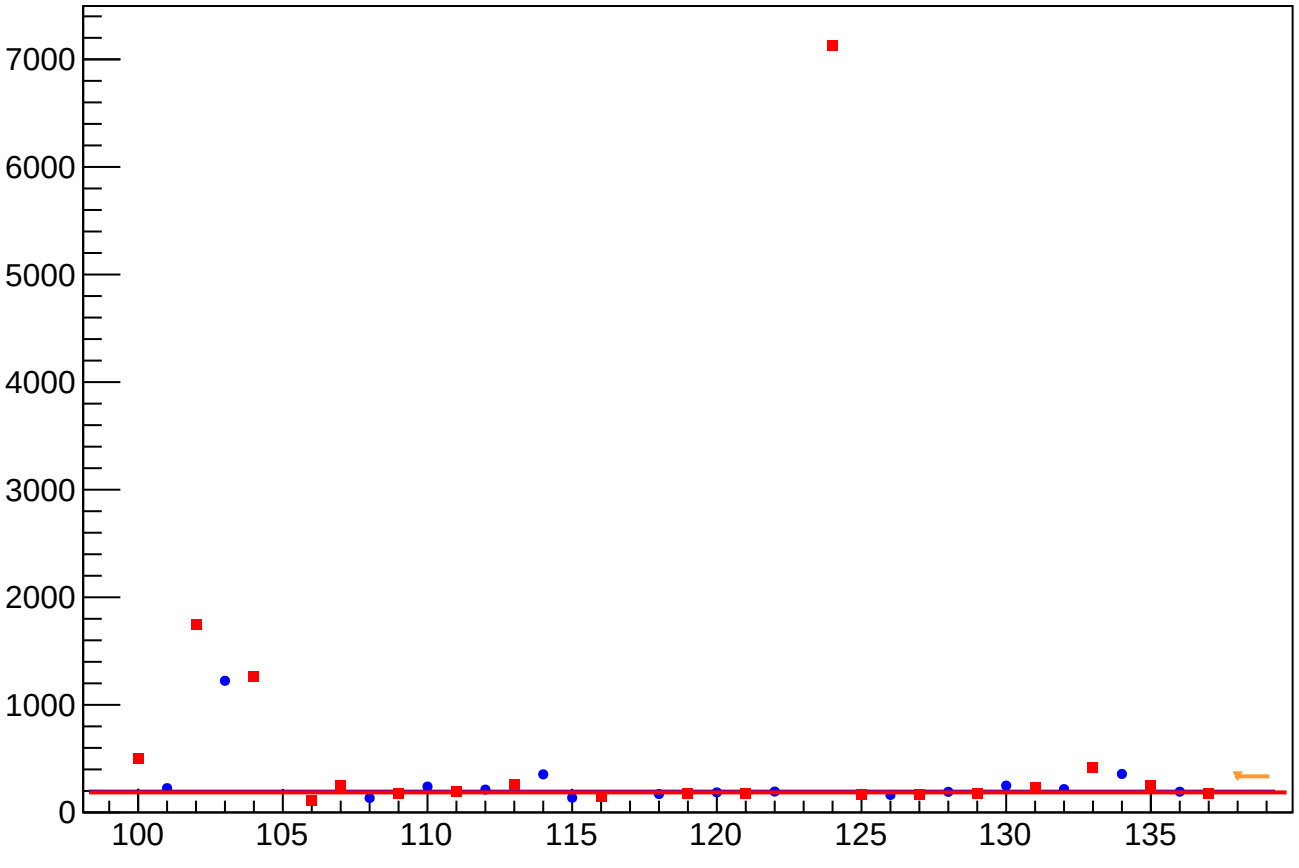
Left: 0.442+/-0.392 χ^2/NDF: 0.0/0

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.041+/-0.078 χ^2/NDF:11.7/15

Out: 0.065+/-0.077 χ^2/NDF:24.0/19

All: 0.012+/-0.055 χ^2/NDF: 36.6/35



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 335.616+/-0.277 χ^2/NDF:0.0/0

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 335.616+/-0.277 χ^2/NDF: 0.0/0

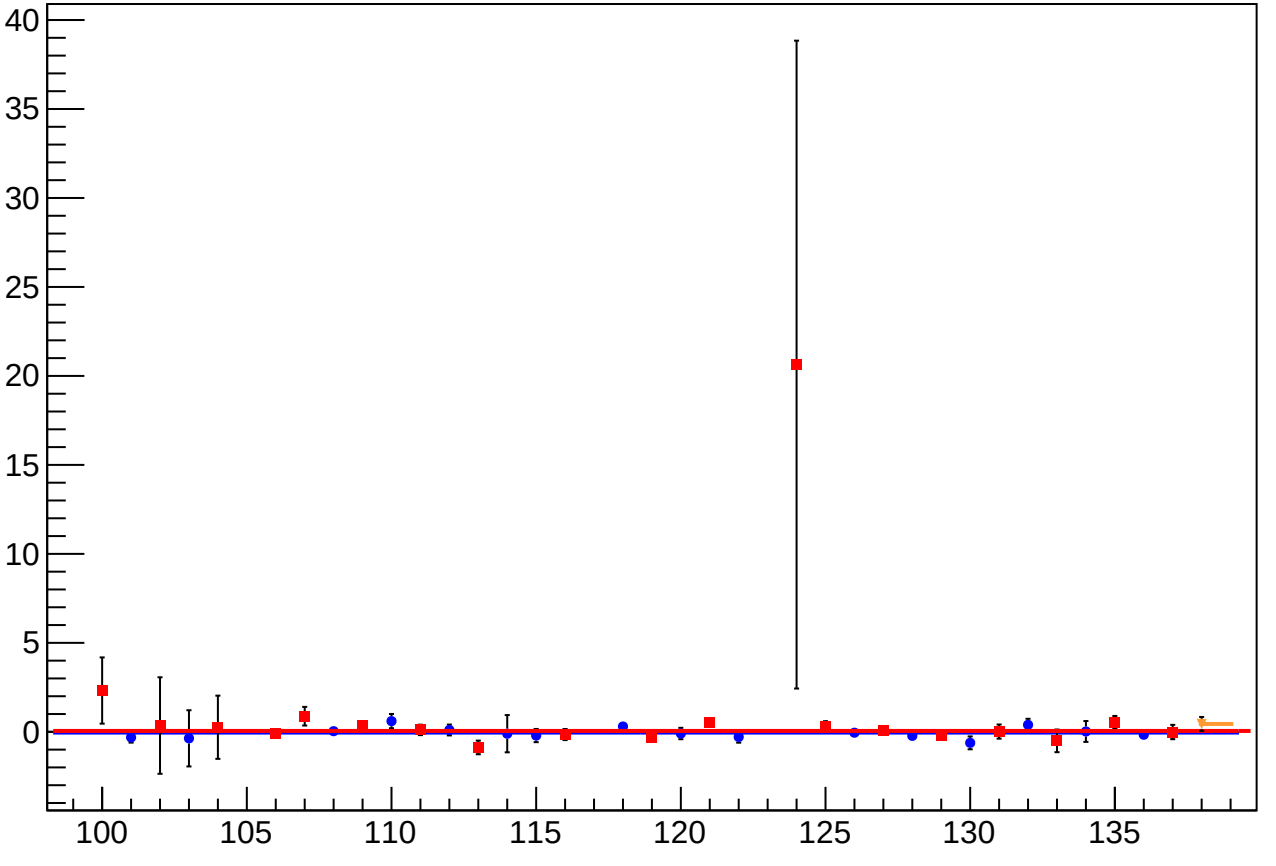
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 193.248+/-0.055 χ^2/NDF:1408397.0/15

Out: 192.161+/-0.055 χ^2/NDF:2757112.3/19

All: 192.701+/-0.039 χ^2/NDF: 4165706.1/35

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.442+/-0.392 χ^2/NDF:0.0/0

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.442+/-0.392 χ^2/NDF: 0.0/0

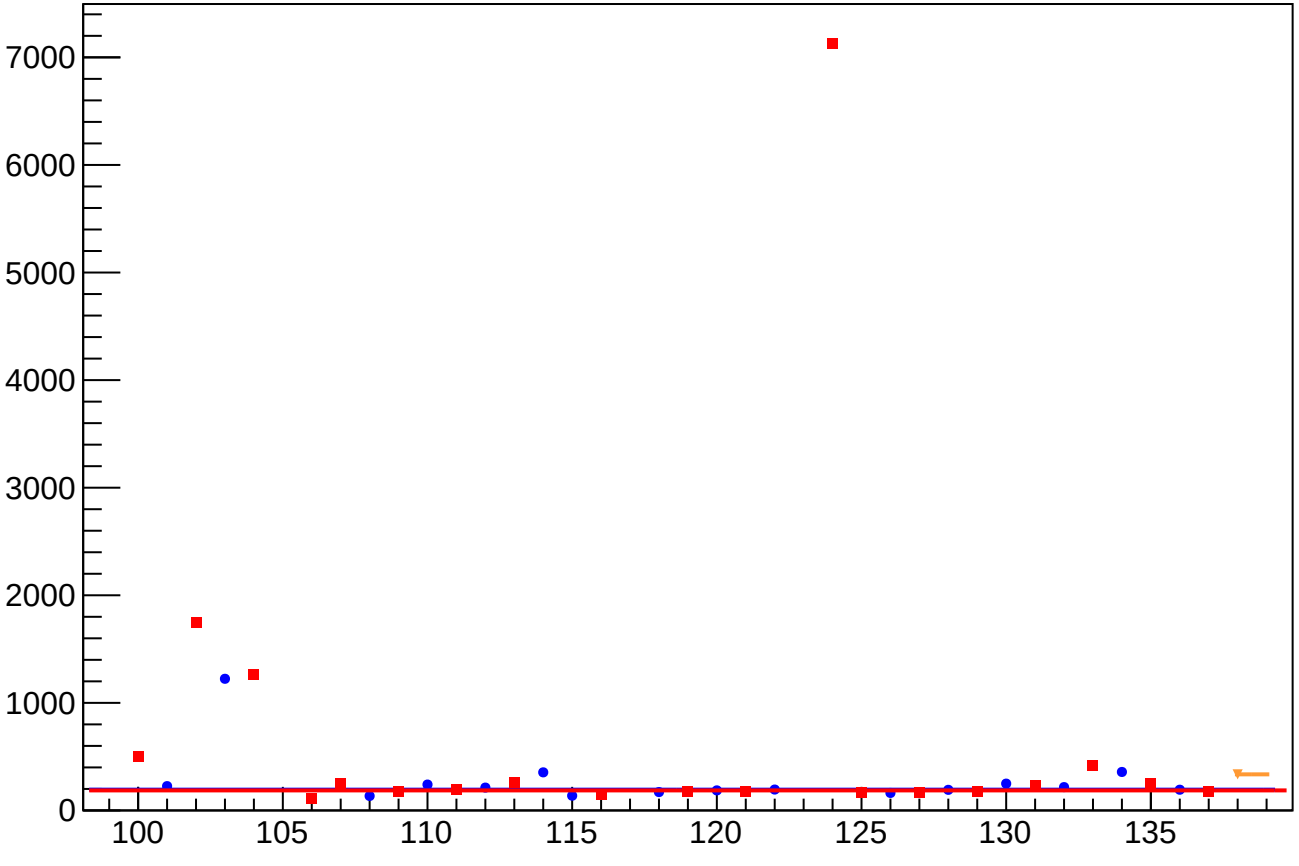
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.041+/-0.078 χ^2/NDF:11.7/15

Out: 0.065+/-0.077 χ^2/NDF:24.0/19

All: 0.012+/-0.055 χ^2/NDF: 36.6/35

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 335.616+/-0.277 χ^2/NDF:0.0/0

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

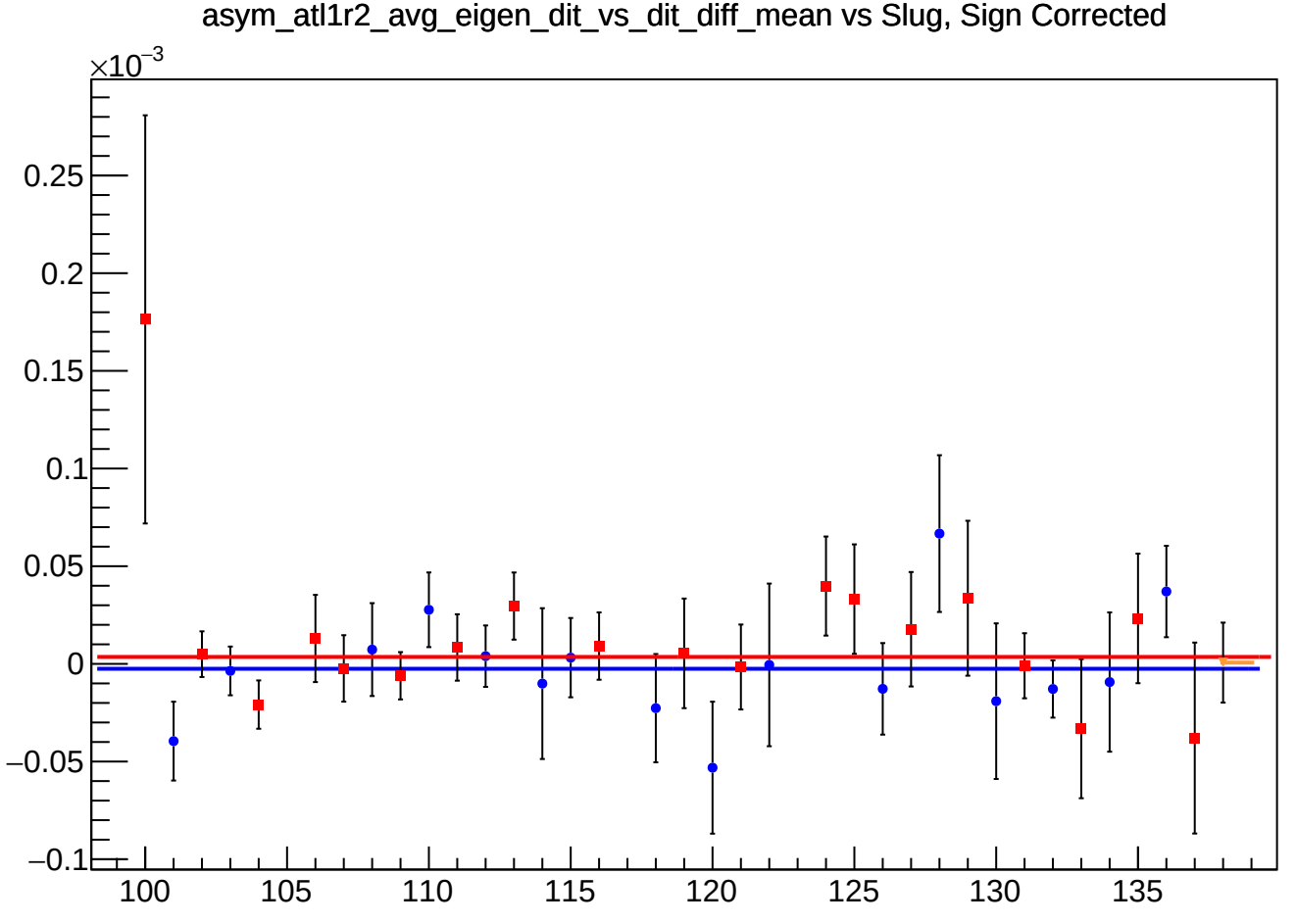
Left: 335.616+/-0.277 χ^2/NDF: 0.0/0

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 193.248+/-0.055 χ^2/NDF:1408397.0/15

Out: 192.161+/-0.055 χ^2/NDF:2757112.3/19

All: 192.701+/-0.039 χ^2/NDF: 4165706.1/35



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

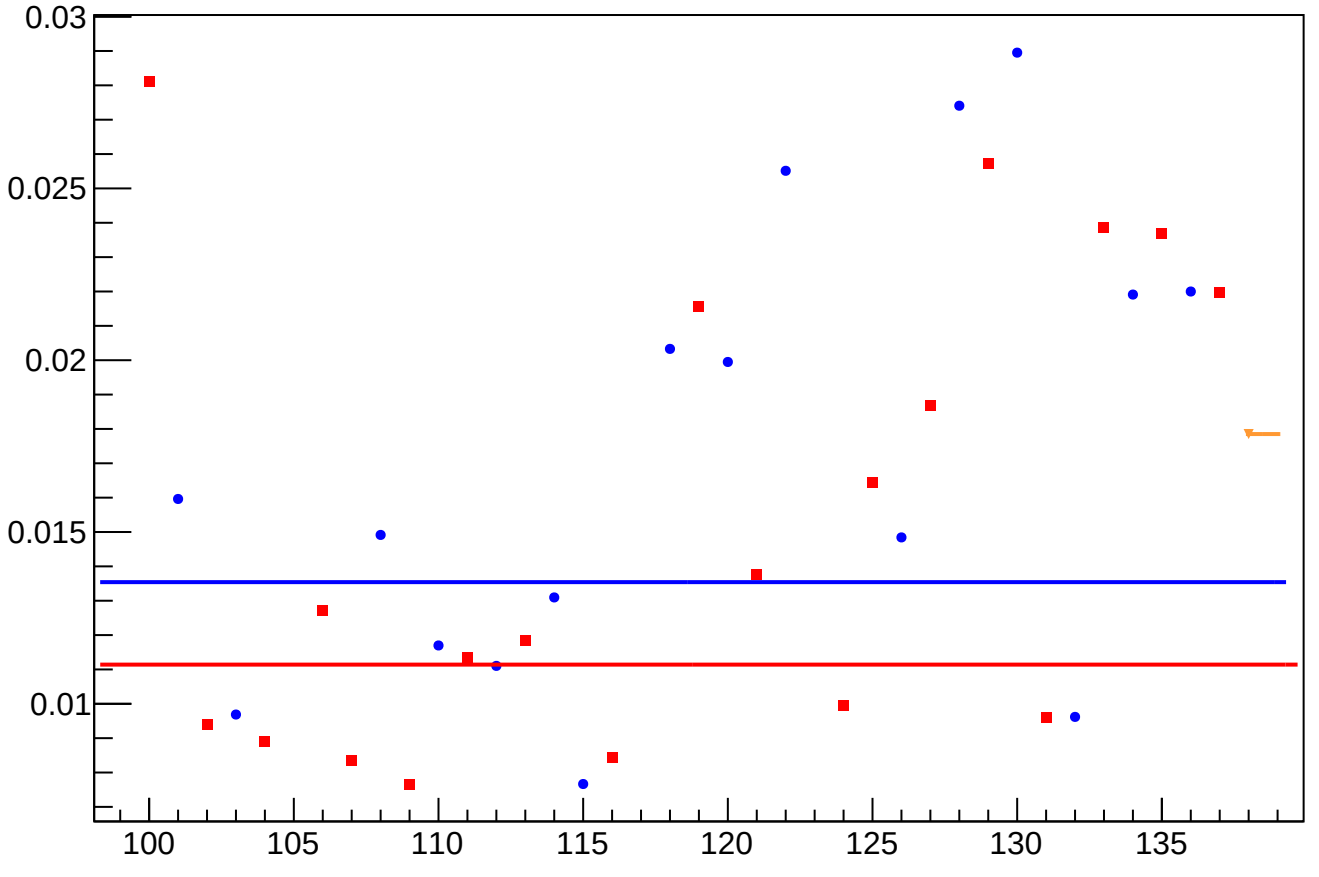
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:15.8/15

Out: 0.000+/-0.000 χ^2/NDF:16.3/19

All: 0.000+/-0.000 χ^2/NDF: 32.9/35



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.018+/-0.000 χ^2/NDF: 0.0/0

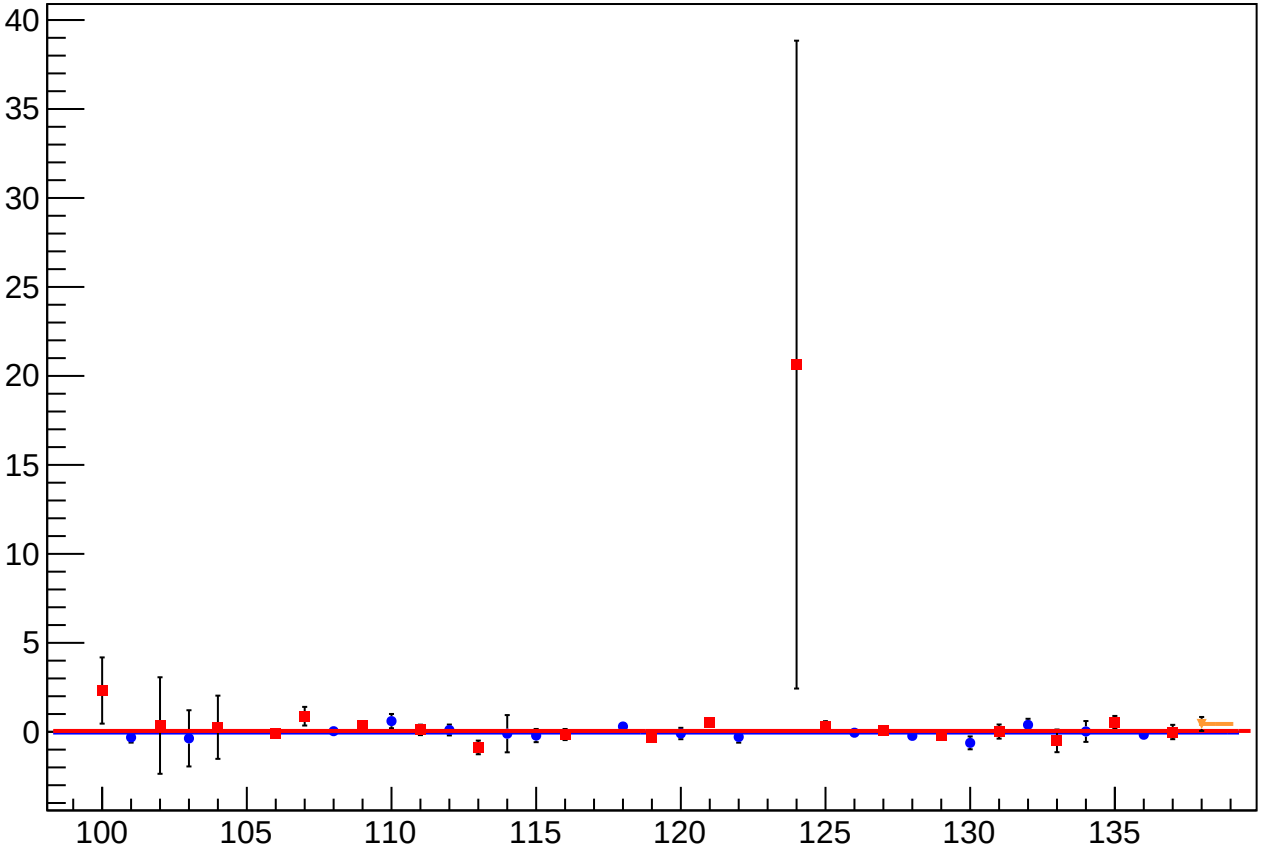
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.014+/-0.000 χ^2/NDF:1877615.1/15

Out: 0.011+/-0.000 χ^2/NDF:2092878.3/19

All: 0.012+/-0.000 χ^2/NDF: 4150706.2/35

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: 0.442+/-0.392 χ^2/NDF:0.0/0

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.442+/-0.392 χ^2/NDF: 0.0/0

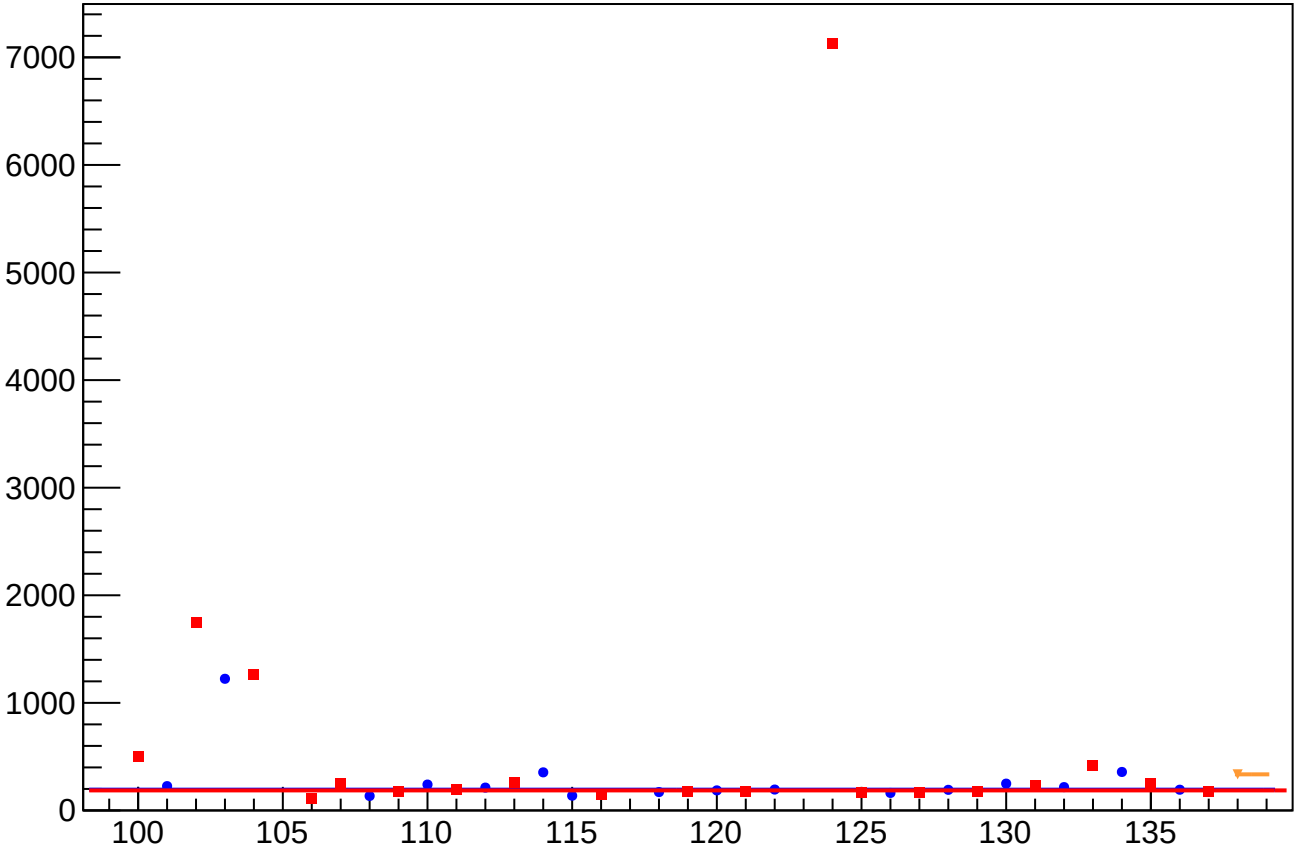
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.041+/-0.078 χ^2/NDF:11.7/15

Out: 0.065+/-0.077 χ^2/NDF:24.0/19

All: 0.012+/-0.055 χ^2/NDF: 36.6/35

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 335.621+/-0.277 χ^2/NDF:0.0/0

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 335.621+/-0.277 χ^2/NDF: 0.0/0

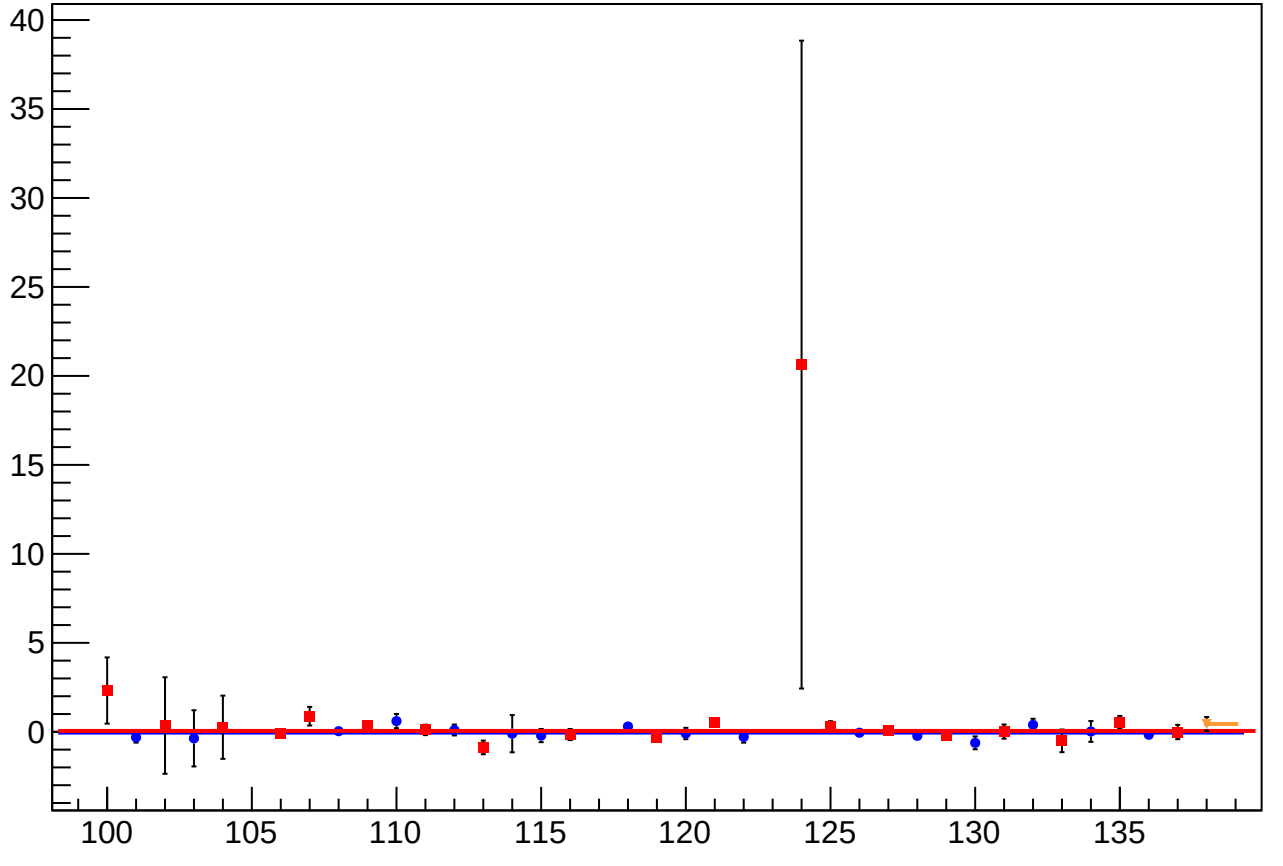
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 193.247+/-0.055 χ^2/NDF:1408390.6/15

Out: 192.159+/-0.055 χ^2/NDF:2757161.5/19

All: 192.700+/-0.039 χ^2/NDF: 4165749.1/35

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: 0.442+/-0.392 χ^2/NDF:0.0/0

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.442+/-0.392 χ^2/NDF: 0.0/0

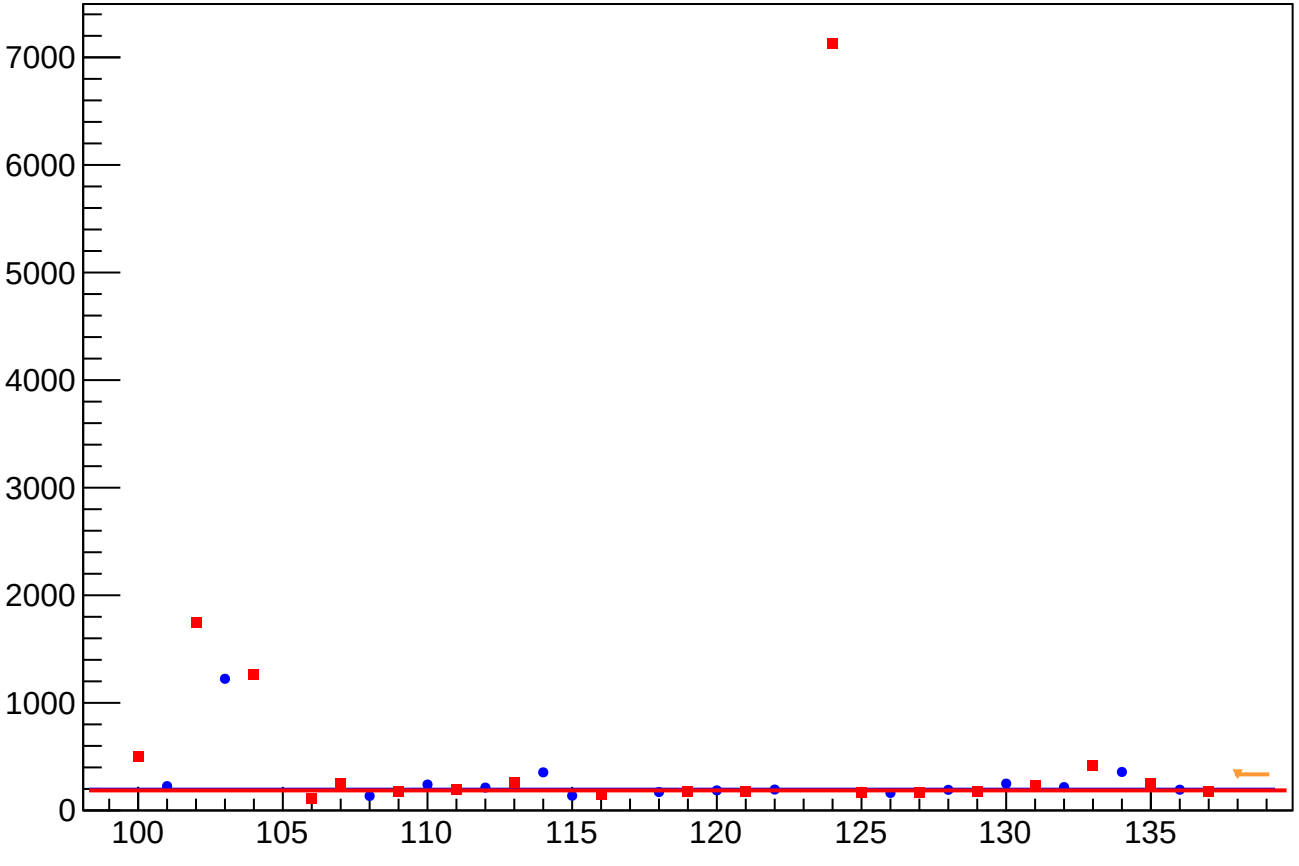
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.041+/-0.078 χ^2/NDF:11.7/15

Out: 0.065+/-0.077 χ^2/NDF:24.0/19

All: 0.012+/-0.055 χ^2/NDF: 36.6/35

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: 335.621+/-0.277 χ^2/NDF:0.0/0

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 335.621+/-0.277 χ^2/NDF: 0.0/0

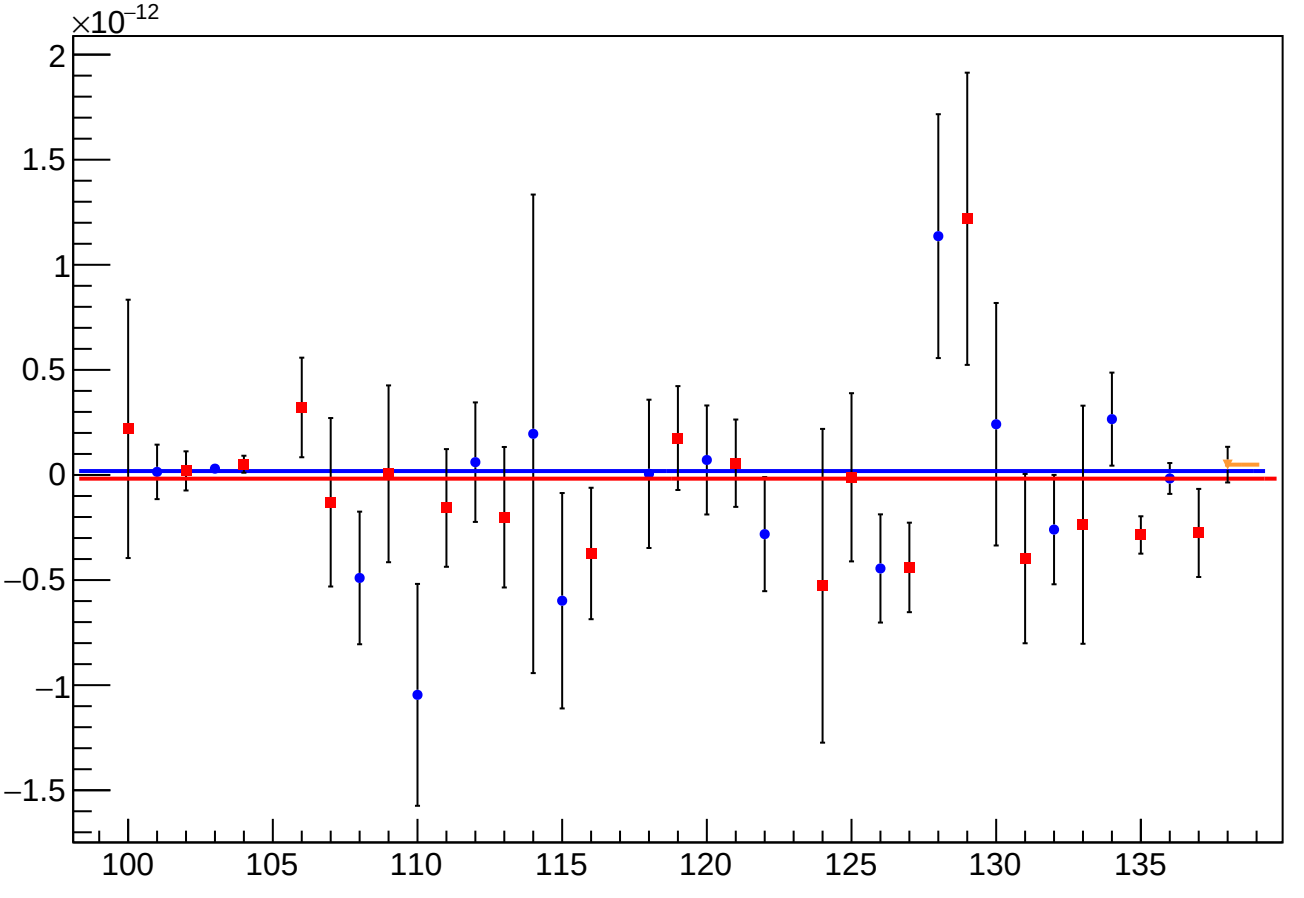
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 193.247+/-0.055 χ^2/NDF:1408390.6/15

Out: 192.159+/-0.055 χ^2/NDF:2757161.5/19

All: 192.700+/-0.039 χ^2/NDF: 4165749.1/35

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:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

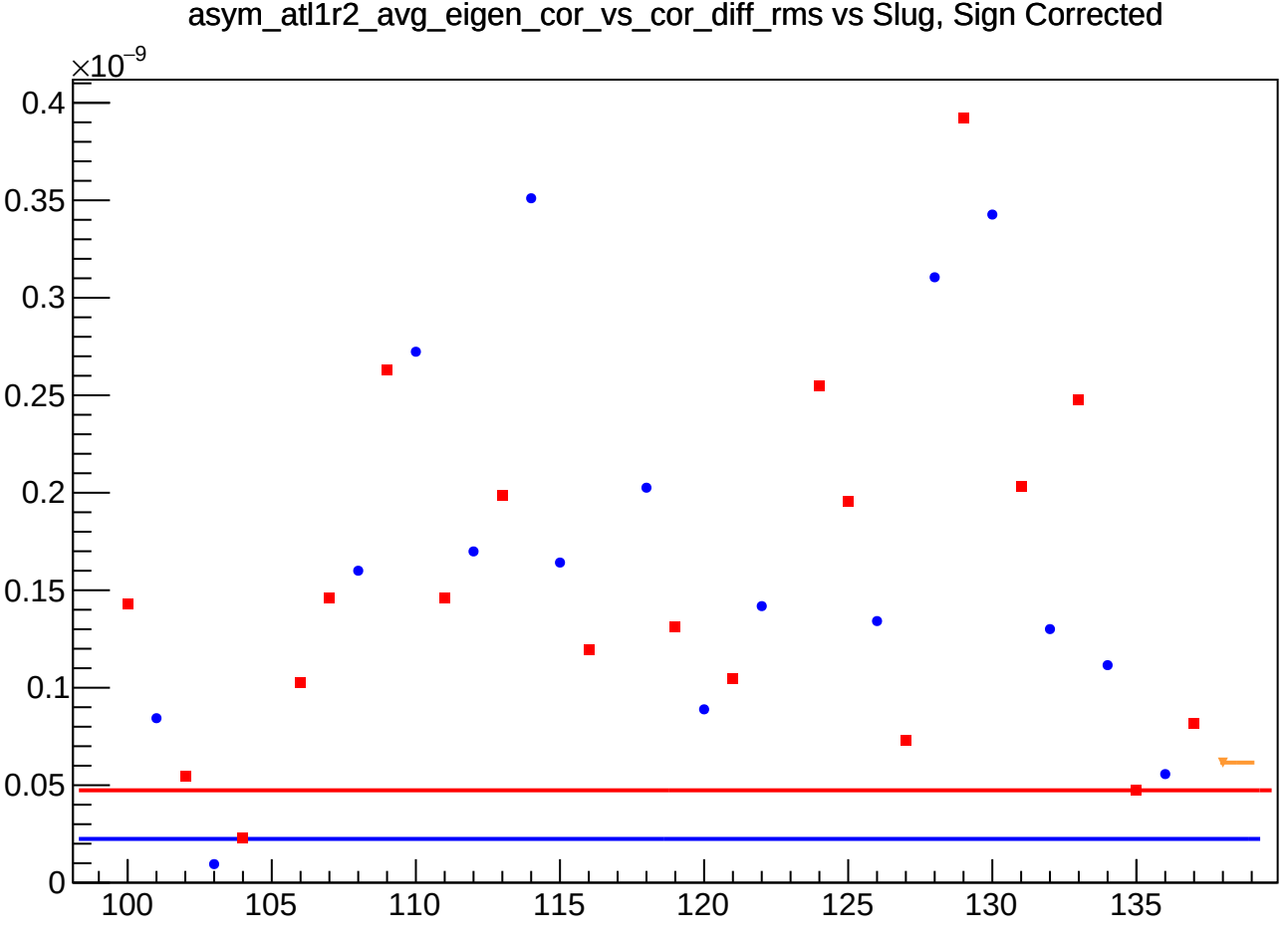
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:19.4/15

Out: -0.000+/-0.000 χ^2/NDF:27.7/19

All: 0.000+/-0.000 χ^2/NDF: 47.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

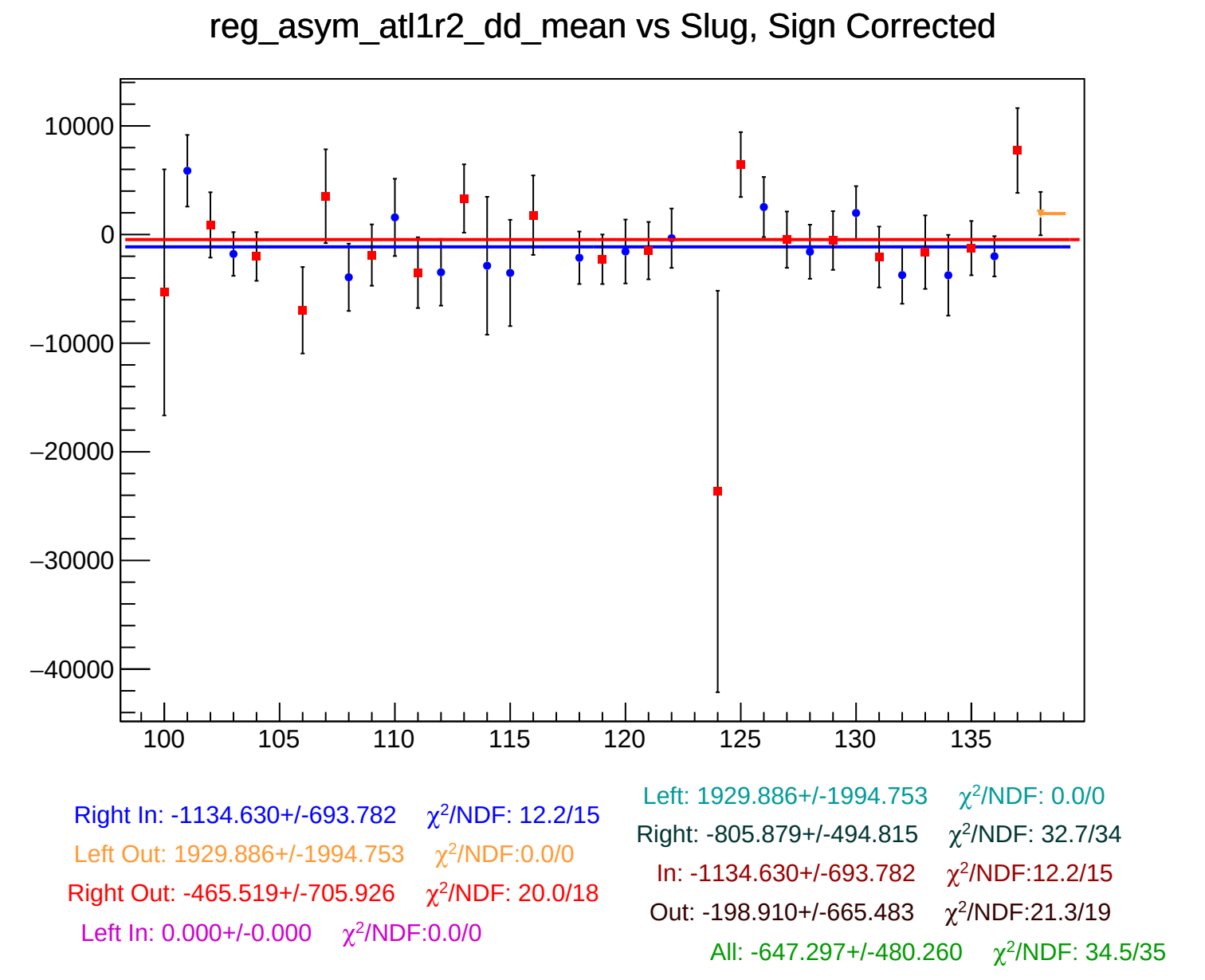
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

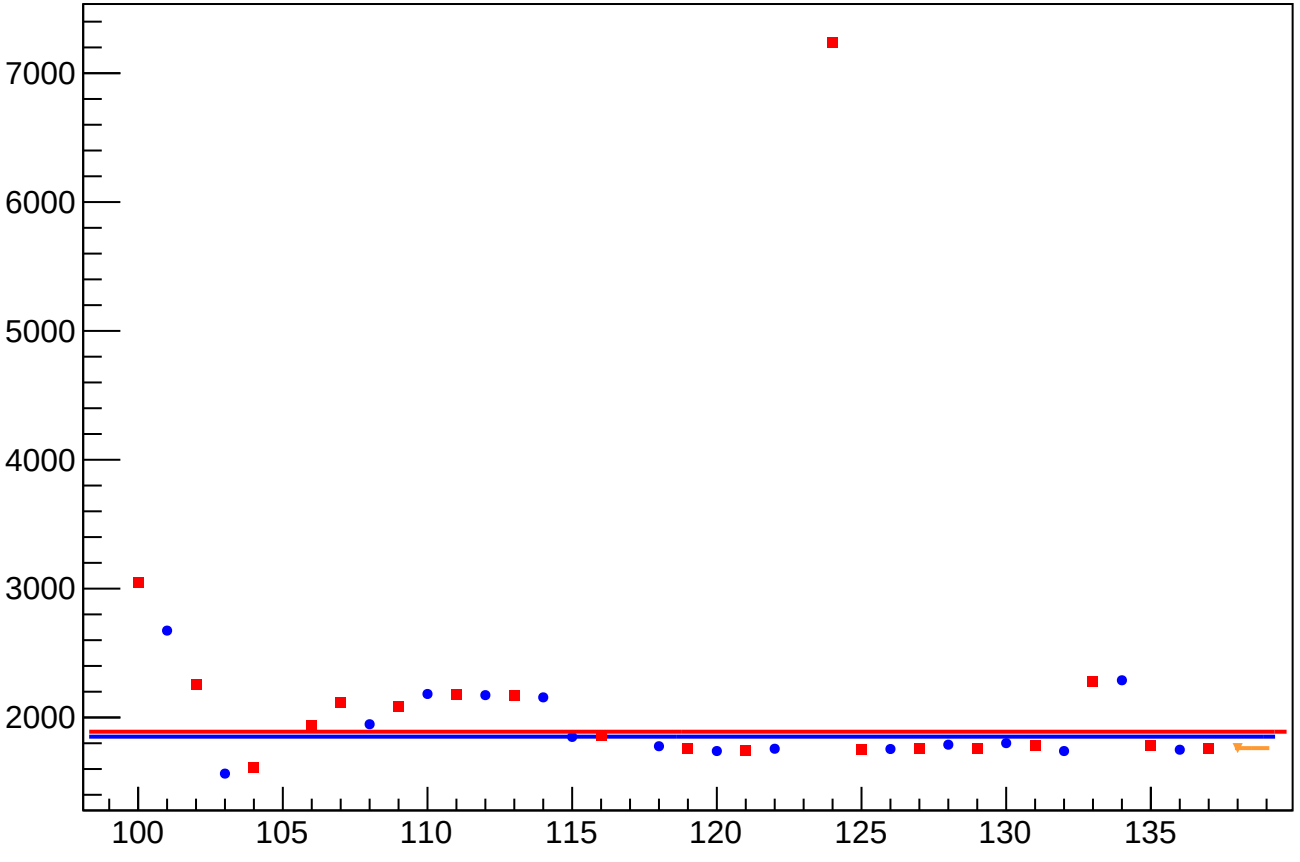
In: 0.000+/-0.000 χ^2/NDF:6410173.0/15

Out: 0.000+/-0.000 χ^2/NDF:4285585.2/19

All: 0.000+/-0.000 χ^2/NDF: 11801376.9/35


reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
Right In: -1134.630+/-693.782 χ²/NDF: 12.2/15
Left Out: 1929.886+/-1994.753 χ²/NDF:0.0/0
Right Out: -465.519+/-705.926 χ²/NDF: 20.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1929.886+/-1994.753 χ²/NDF: 0.0/0
Right: -805.879+/-494.815 χ²/NDF: 32.7/34
In: -1134.630+/-693.782 χ²/NDF:12.2/15
Out: -198.910+/-665.483 χ²/NDF:21.3/19
All: -647.297+/-480.260 χ²/NDF: 34.5/35

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1762.174+/-1.411 χ^2/NDF:0.0/0

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1762.174+/-1.411 χ^2/NDF: 0.0/0

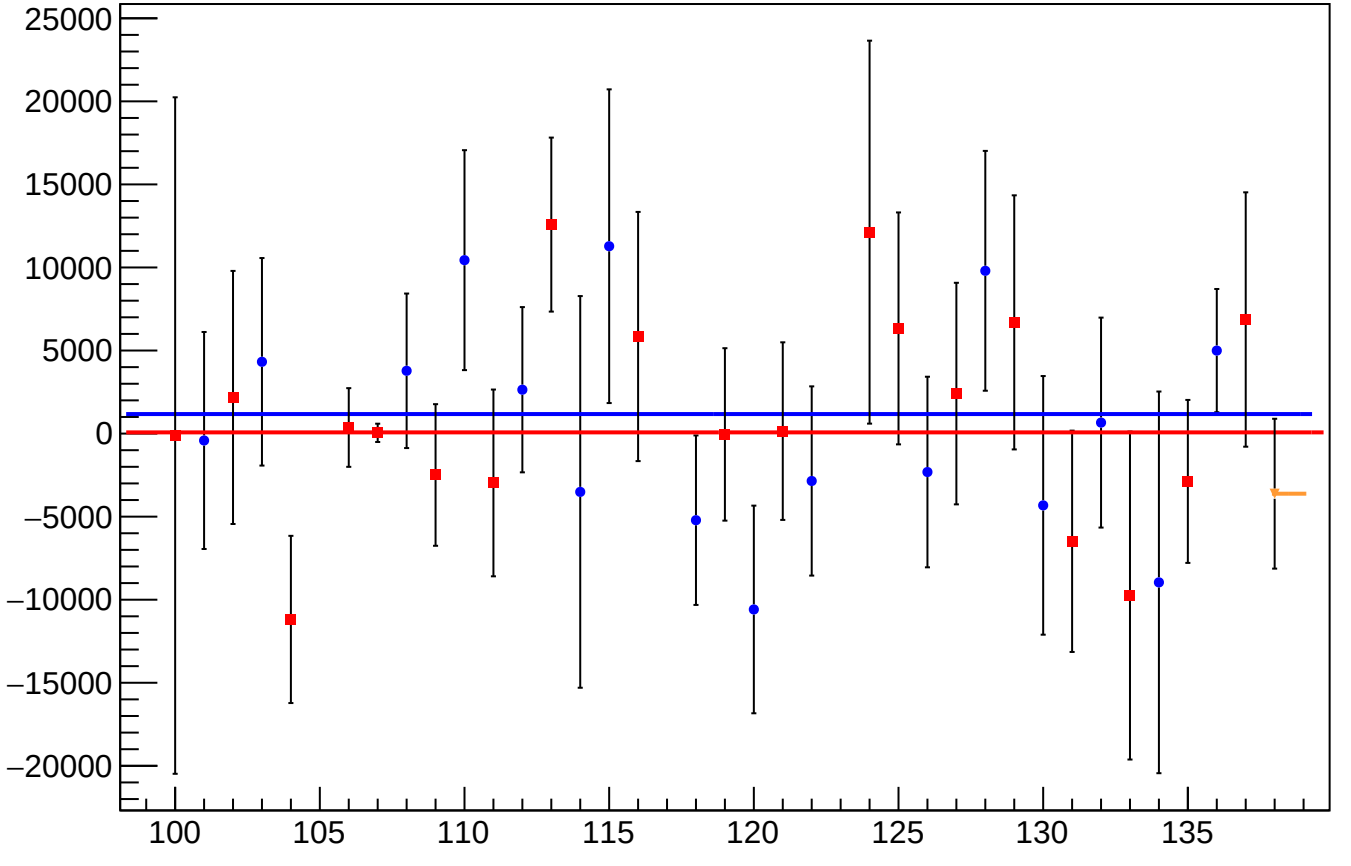
Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1851.130+/-0.491 χ^2/NDF:259981.6/15

Out: 1875.412+/-0.470 χ^2/NDF:366151.2/19

All: 1863.801+/-0.339 χ^2/NDF: 627411.2/35

asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -3618.633+/-4510.423 χ^2/NDF:0.0/0

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

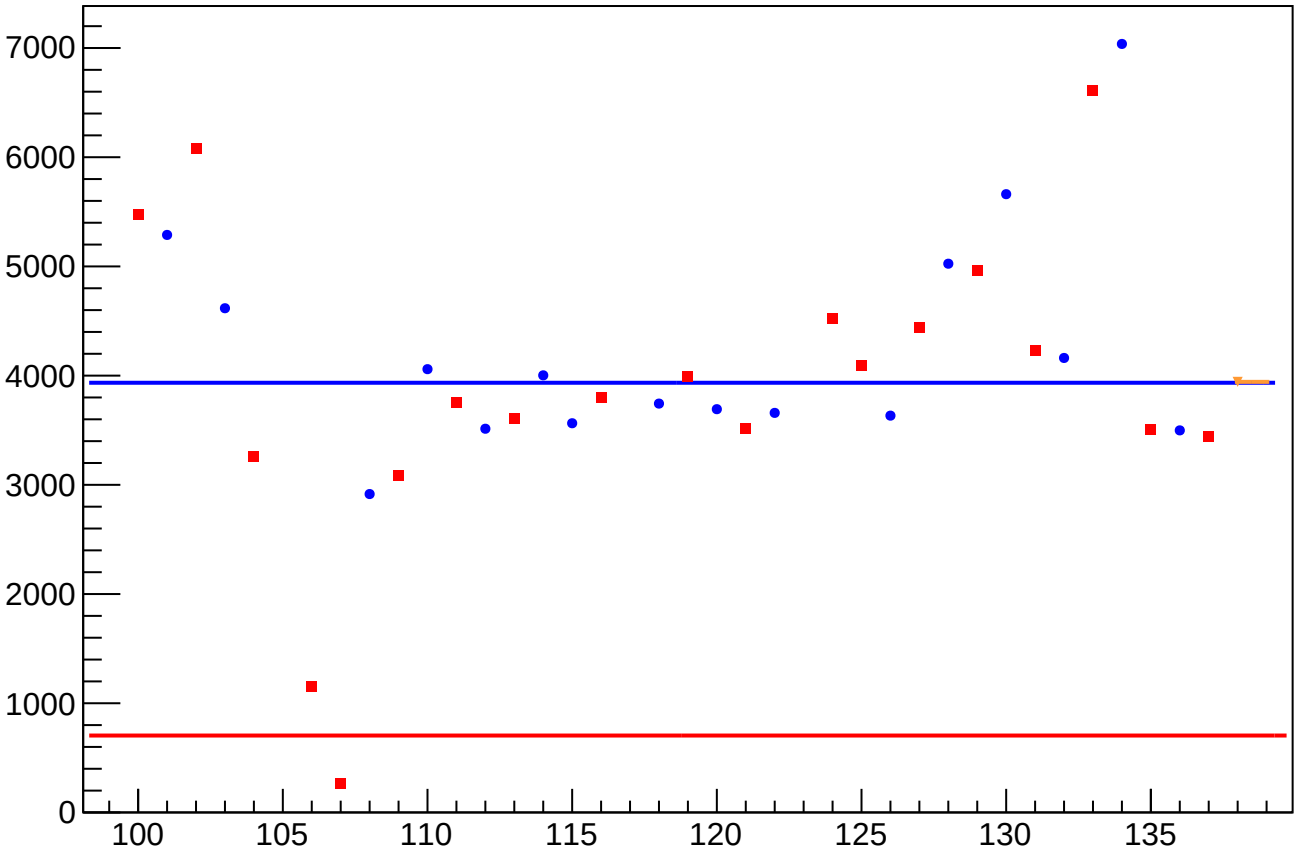
Left: -3618.633+/-4510.423 χ^2/NDF: 0.0/0

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 1175.430+/-1502.128 χ^2/NDF:13.7/15

Out: 26.857+/-502.544 χ^2/NDF:18.6/19

All: 142.473+/-476.581 χ^2/NDF: 32.8/35



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3942.963+/-3.189 χ^2/NDF:0.0/0

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

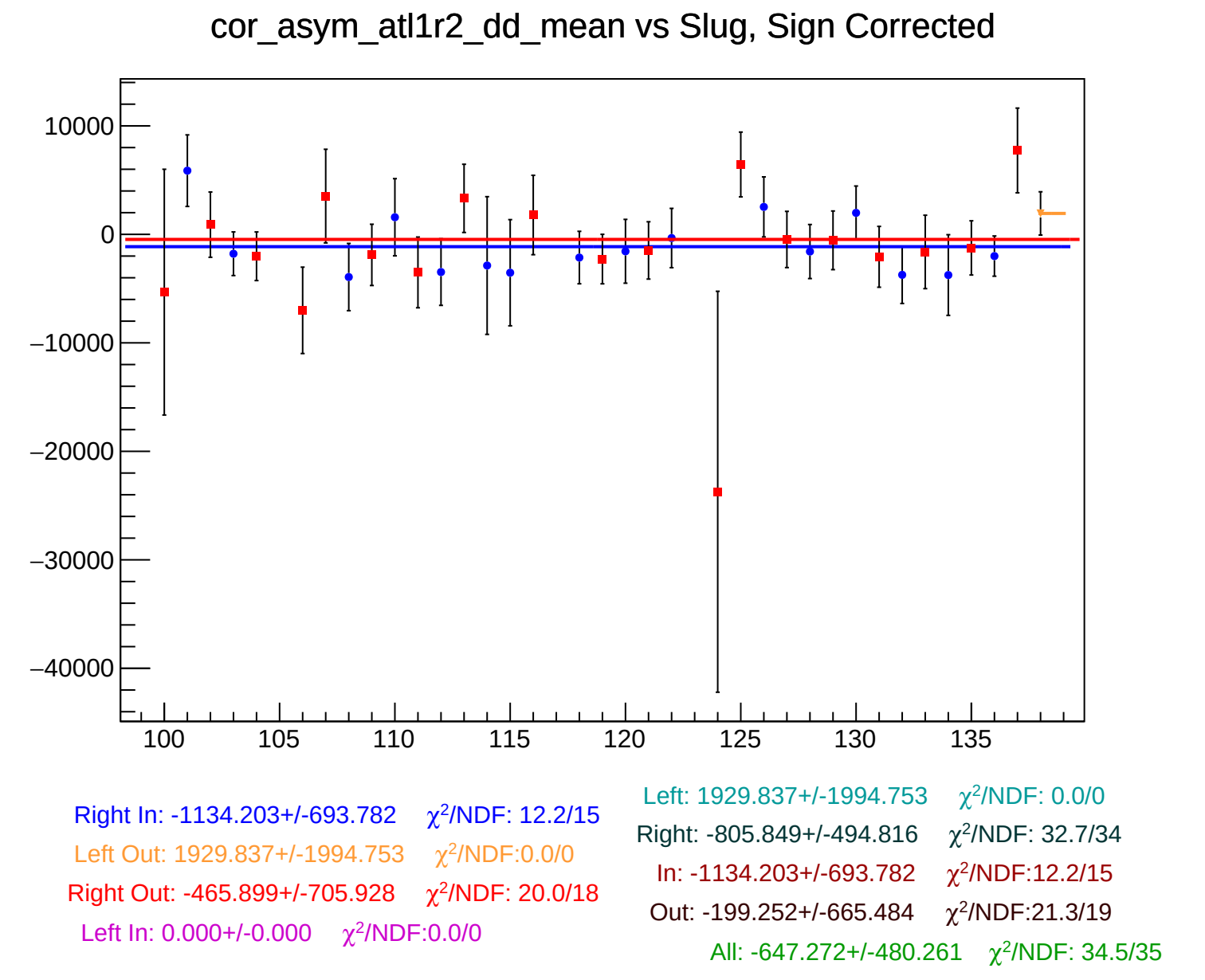
Left: 3942.963+/-3.189 χ^2/NDF: 0.0/0

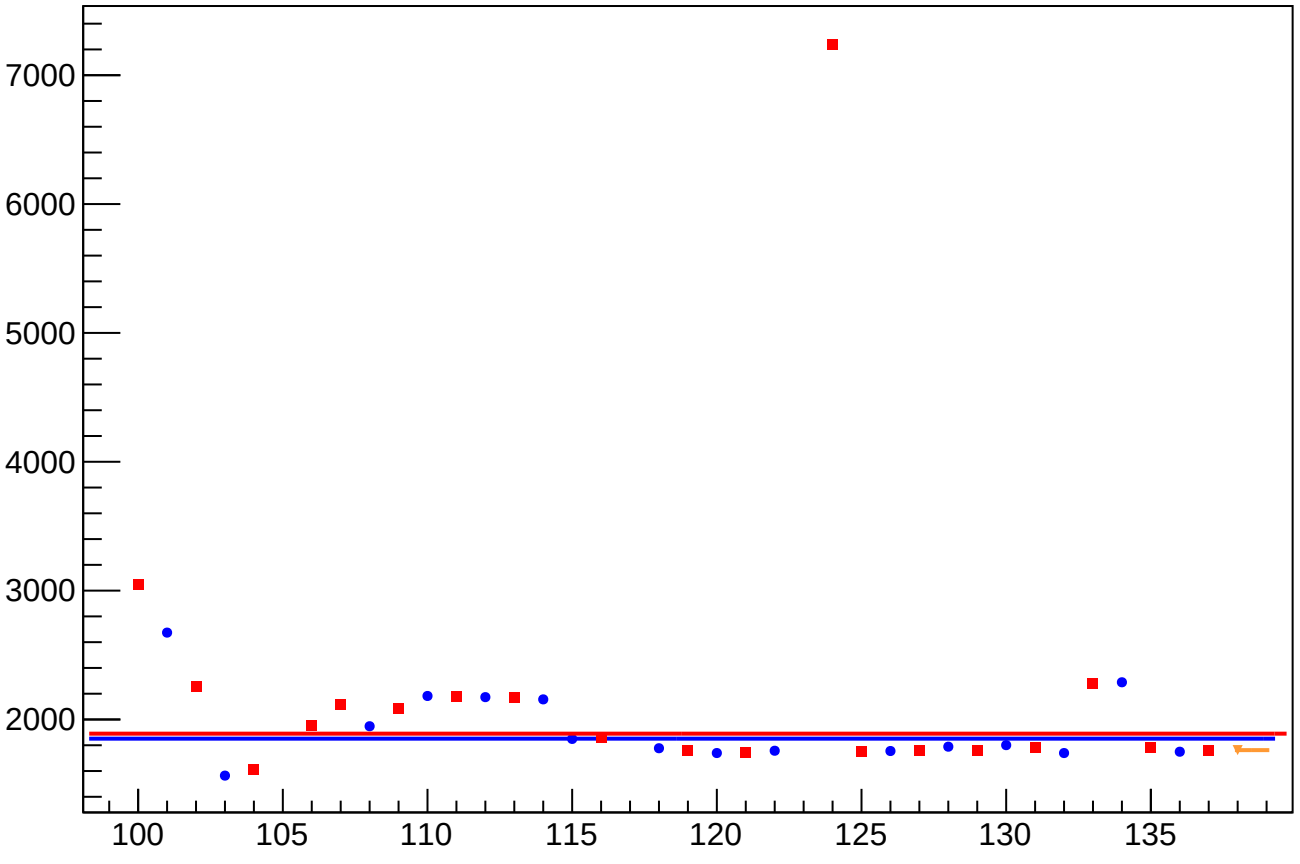
Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3934.718+/-1.062 χ^2/NDF:560125.6/15

Out: 744.589+/-0.355 χ^2/NDF:11636951.2/19

All: 1065.709+/-0.337 χ^2/NDF: 20309602.3/3


cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 1929.837+/-1994.753 χ²/NDF:0.0/0
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1929.837+/-1994.753 χ²/NDF: 0.0/0
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1134.203+/-693.782 χ²/NDF:12.2/15
Out: -199.252+/-665.484 χ²/NDF:21.3/19
All: -647.272+/-480.261 χ²/NDF: 34.5/35



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1762.174+/-1.411 χ^2/NDF:0.0/0

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

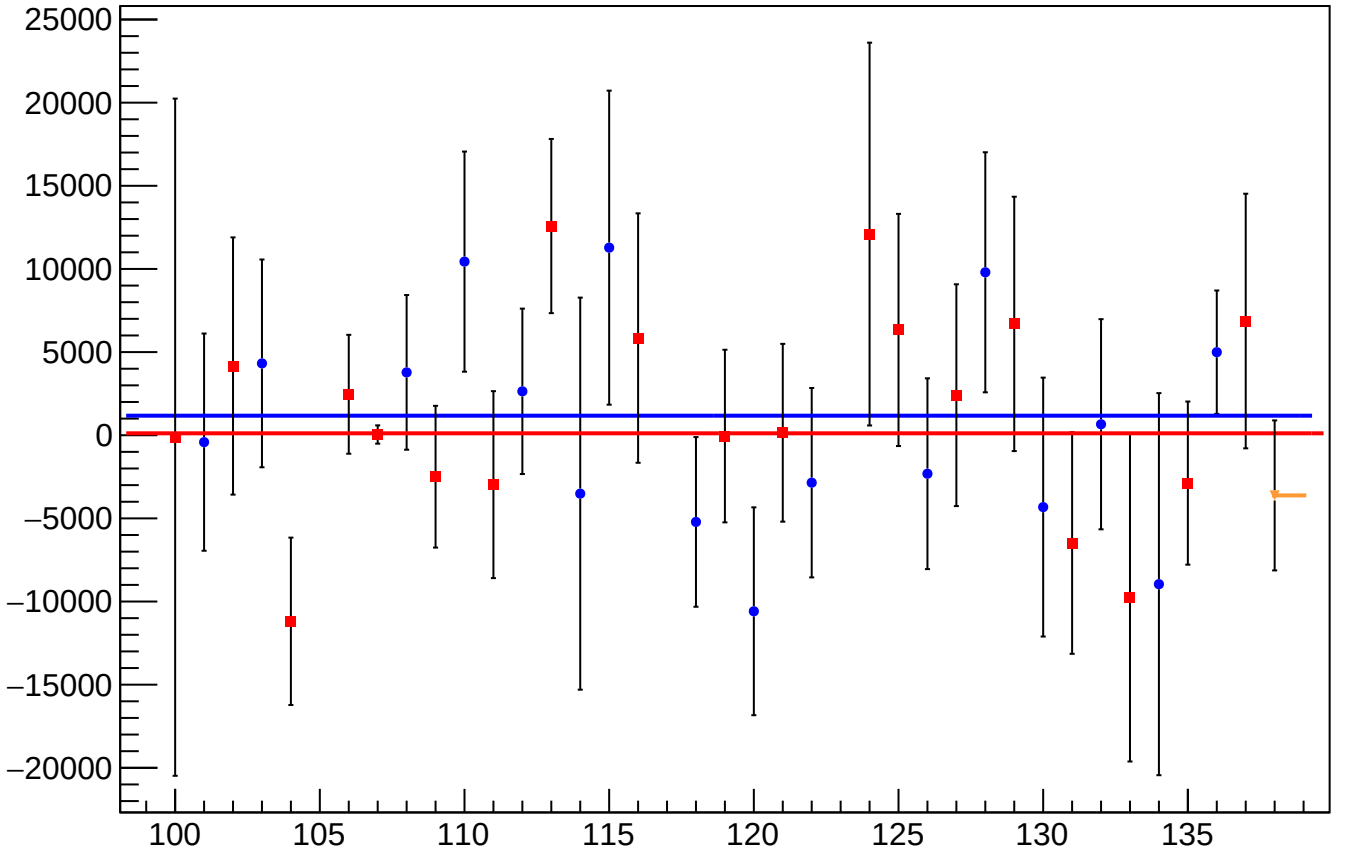
Left: 1762.174+/-1.411 χ^2/NDF: 0.0/0

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1851.131+/-0.491 χ^2/NDF:259980.7/15

Out: 1875.813+/-0.470 χ^2/NDF:366422.8/19

All: 1864.009+/-0.339 χ^2/NDF: 627724.3/35



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -3618.601+/-4510.408 χ^2/NDF:0.0/0

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

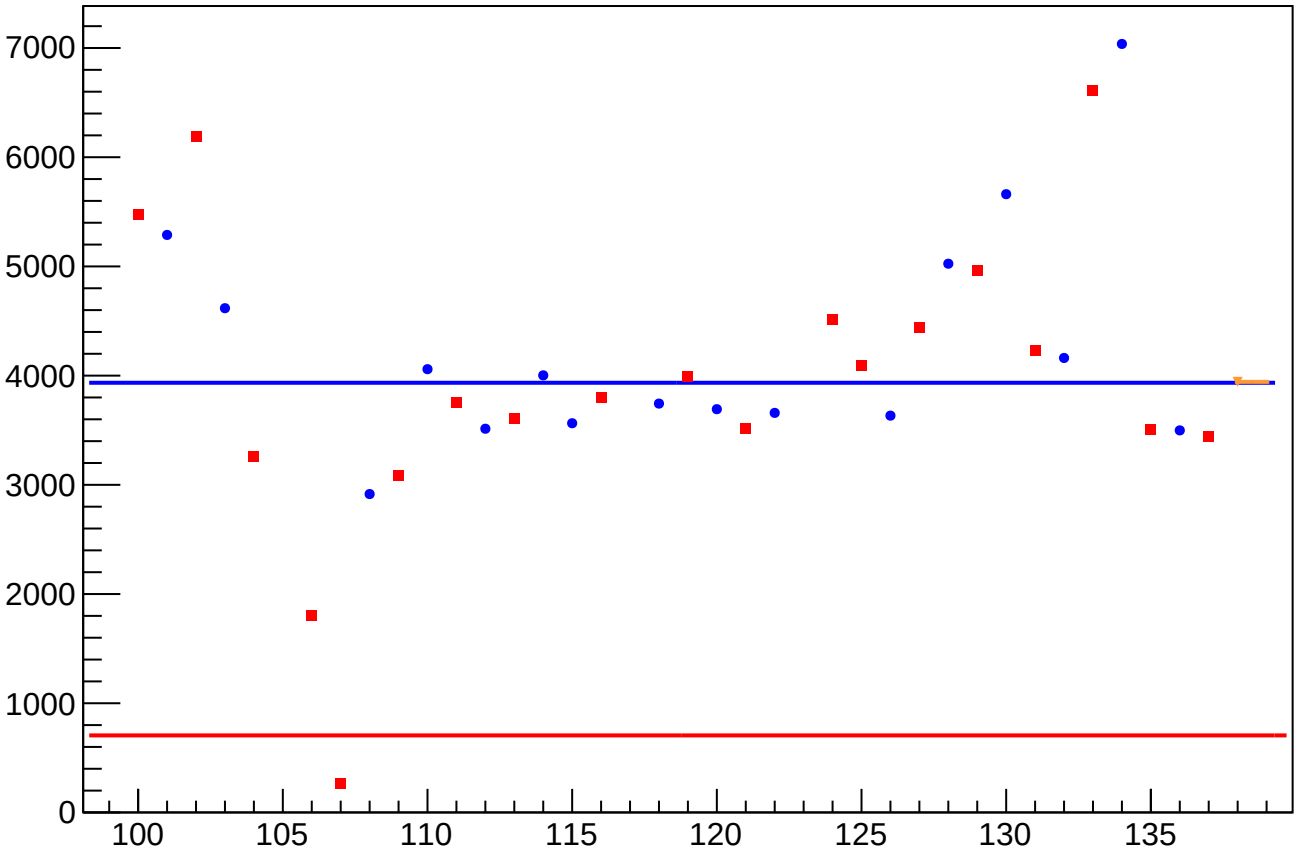
Left: -3618.601+/-4510.408 χ^2/NDF: 0.0/0

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 1175.408+/-1502.134 χ^2/NDF:13.7/15

Out: 68.354+/-509.016 χ^2/NDF:19.2/19

All: 182.381+/-482.090 χ^2/NDF: 33.4/35



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3942.948+/-3.189 χ^2/NDF:0.0/0

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

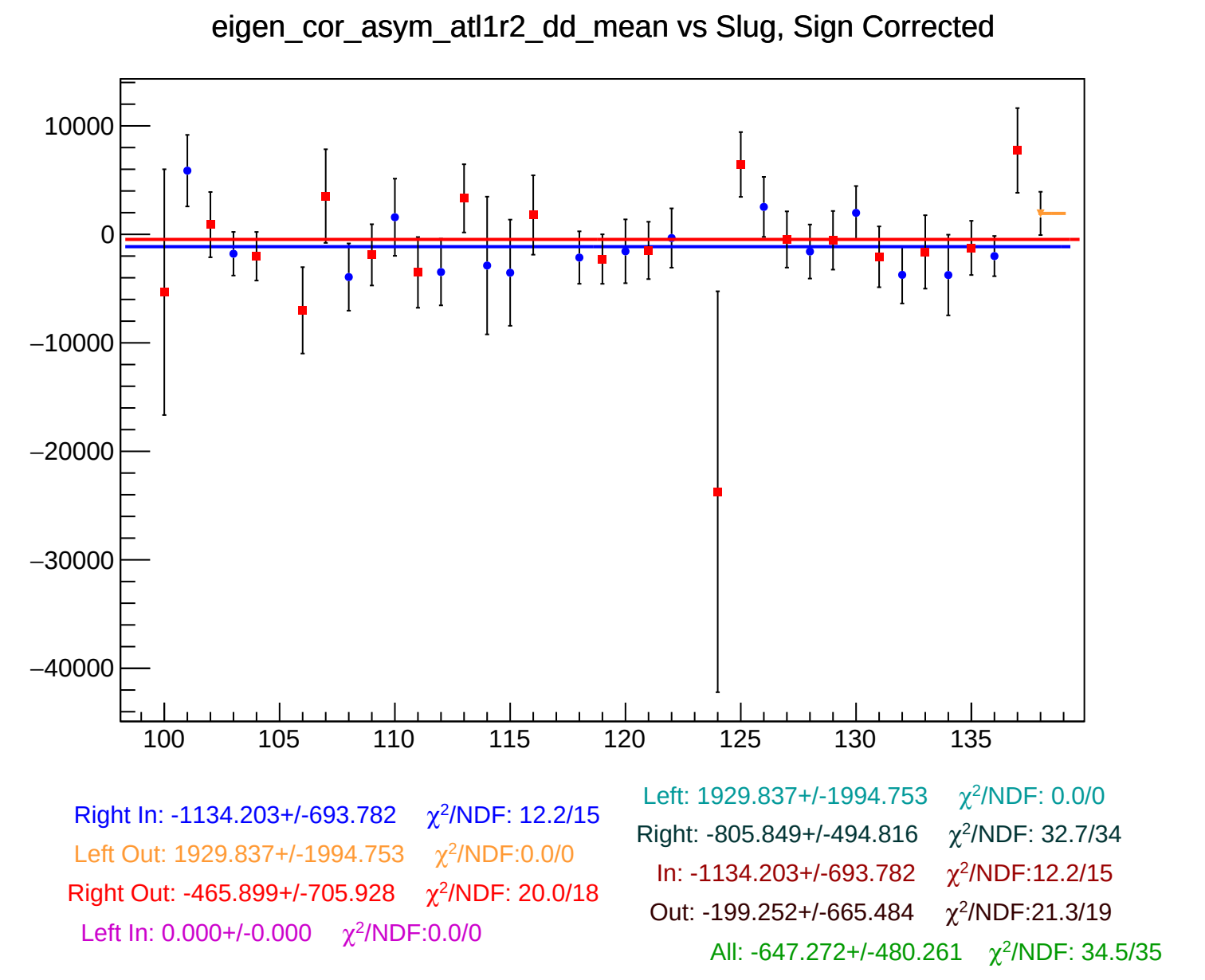
Left: 3942.948+/-3.189 χ^2/NDF: 0.0/0

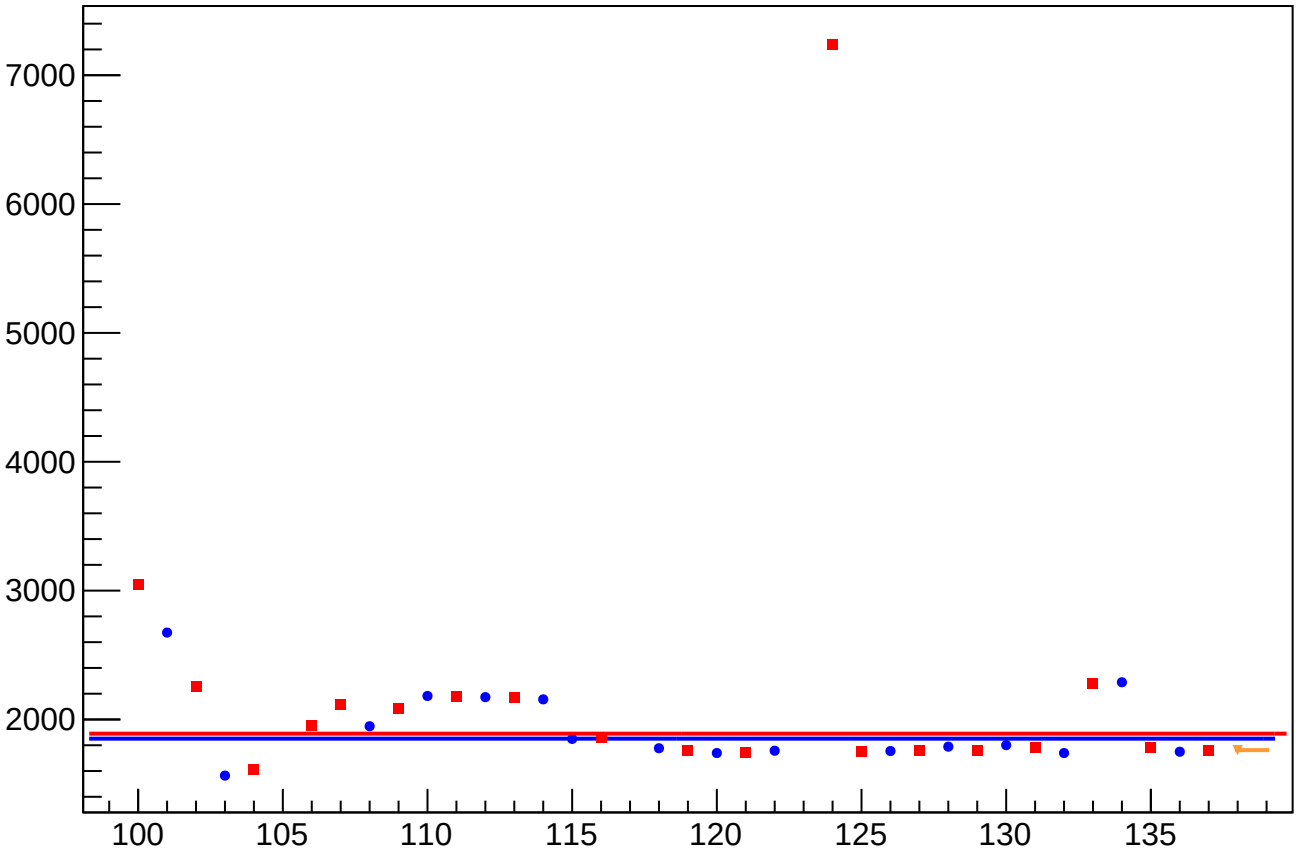
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3934.727+/-1.062 χ^2/NDF:560149.8/15

Out: 746.851+/-0.360 χ^2/NDF:11764405.1/19

All: 1075.203+/-0.341 χ^2/NDF: 20404489.0/3


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 1929.837+/-1994.753 χ²/NDF:0.0/0
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1929.837+/-1994.753 χ²/NDF: 0.0/0
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1134.203+/-693.782 χ²/NDF:12.2/15
Out: -199.252+/-665.484 χ²/NDF:21.3/19
All: -647.272+/-480.261 χ²/NDF: 34.5/35



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1762.174+/-1.411 χ^2/NDF:0.0/0

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1762.174+/-1.411 χ^2/NDF: 0.0/0

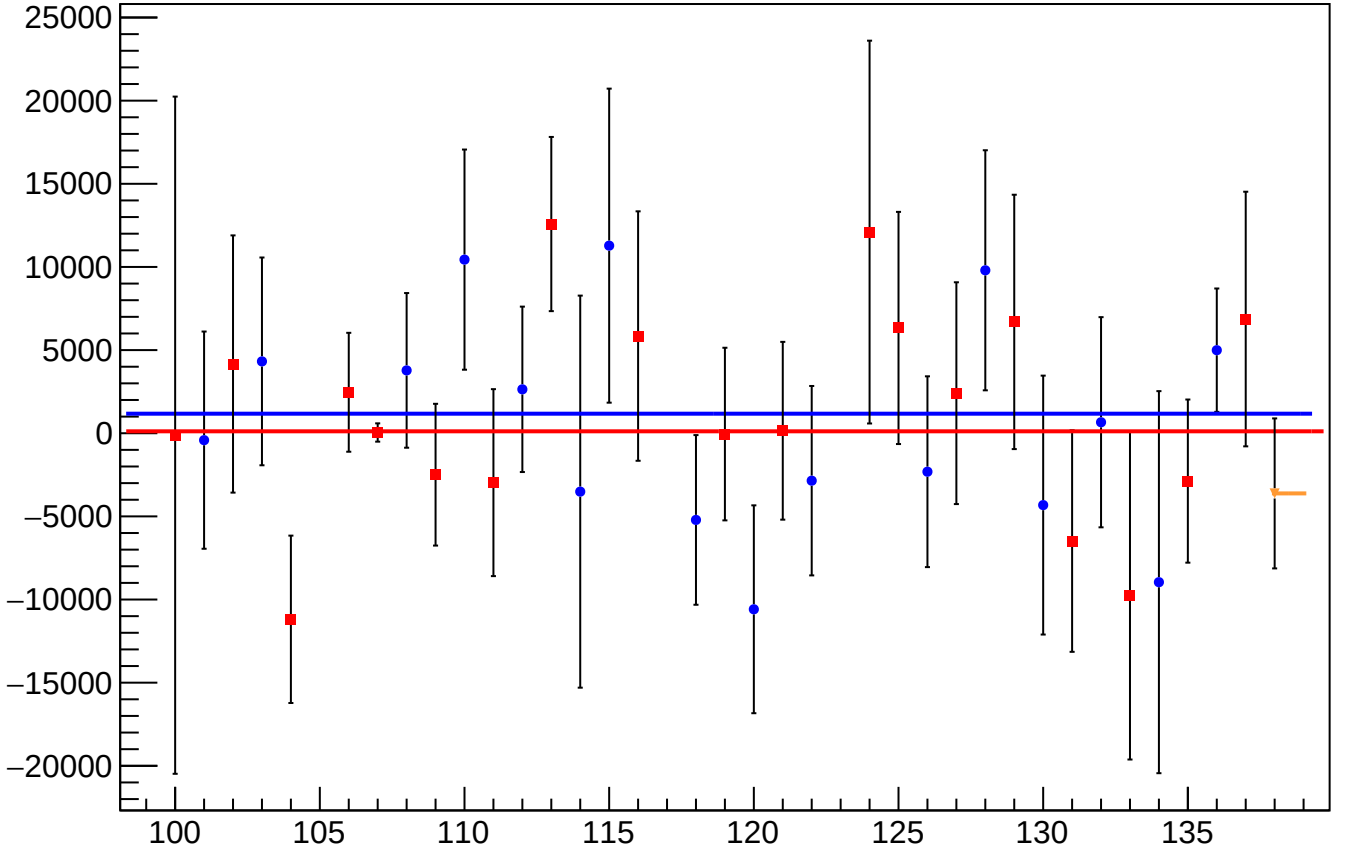
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1851.131+/-0.491 χ^2/NDF:259980.7/15

Out: 1875.813+/-0.470 χ^2/NDF:366422.8/19

All: 1864.009+/-0.339 χ^2/NDF: 627724.3/35

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: -3618.601+/-4510.408 χ^2/NDF:0.0/0

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

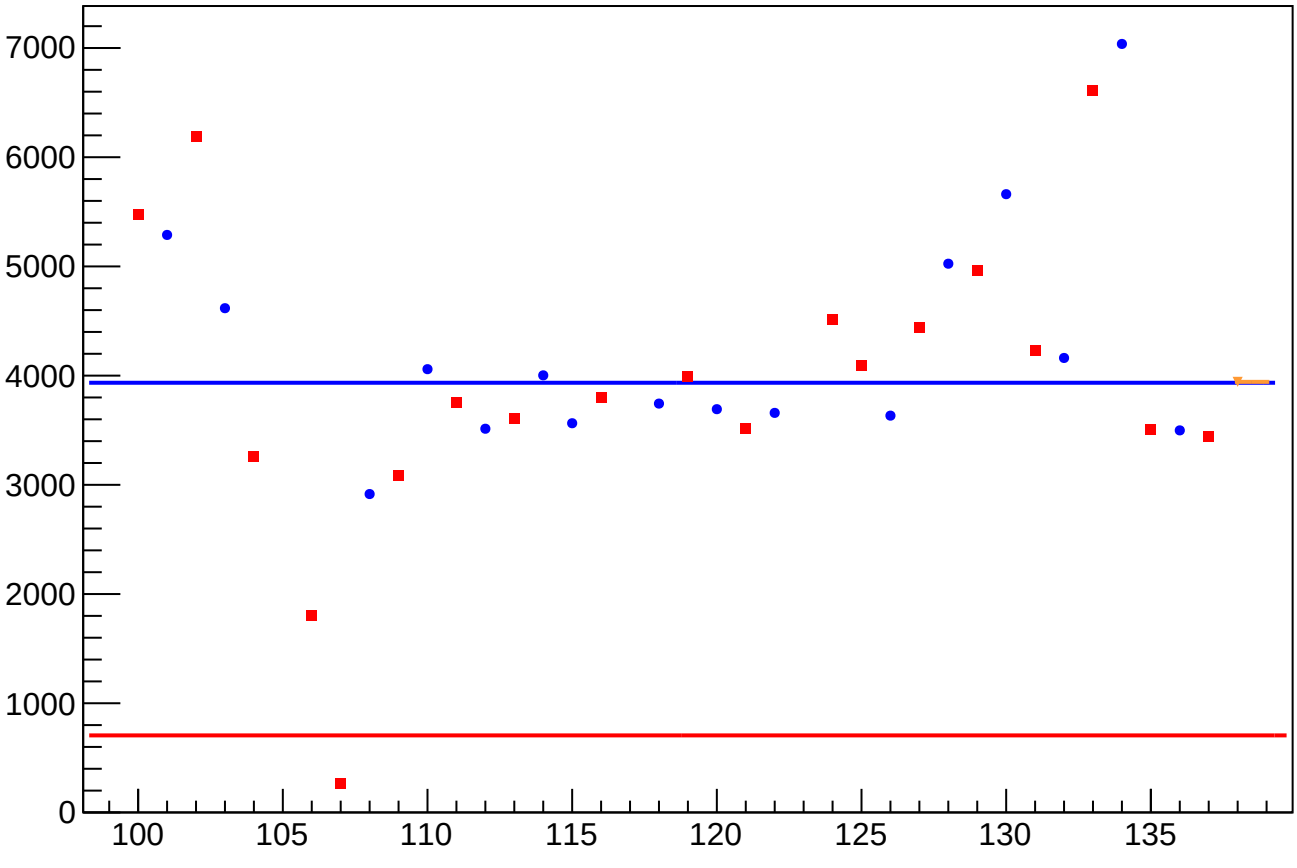
Left: -3618.601+/-4510.408 χ^2/NDF: 0.0/0

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 1175.408+/-1502.134 χ^2/NDF:13.7/15

Out: 68.354+/-509.016 χ^2/NDF:19.2/19

All: 182.381+/-482.090 χ^2/NDF: 33.4/35



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3942.948+/-3.189 χ^2/NDF:0.0/0

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

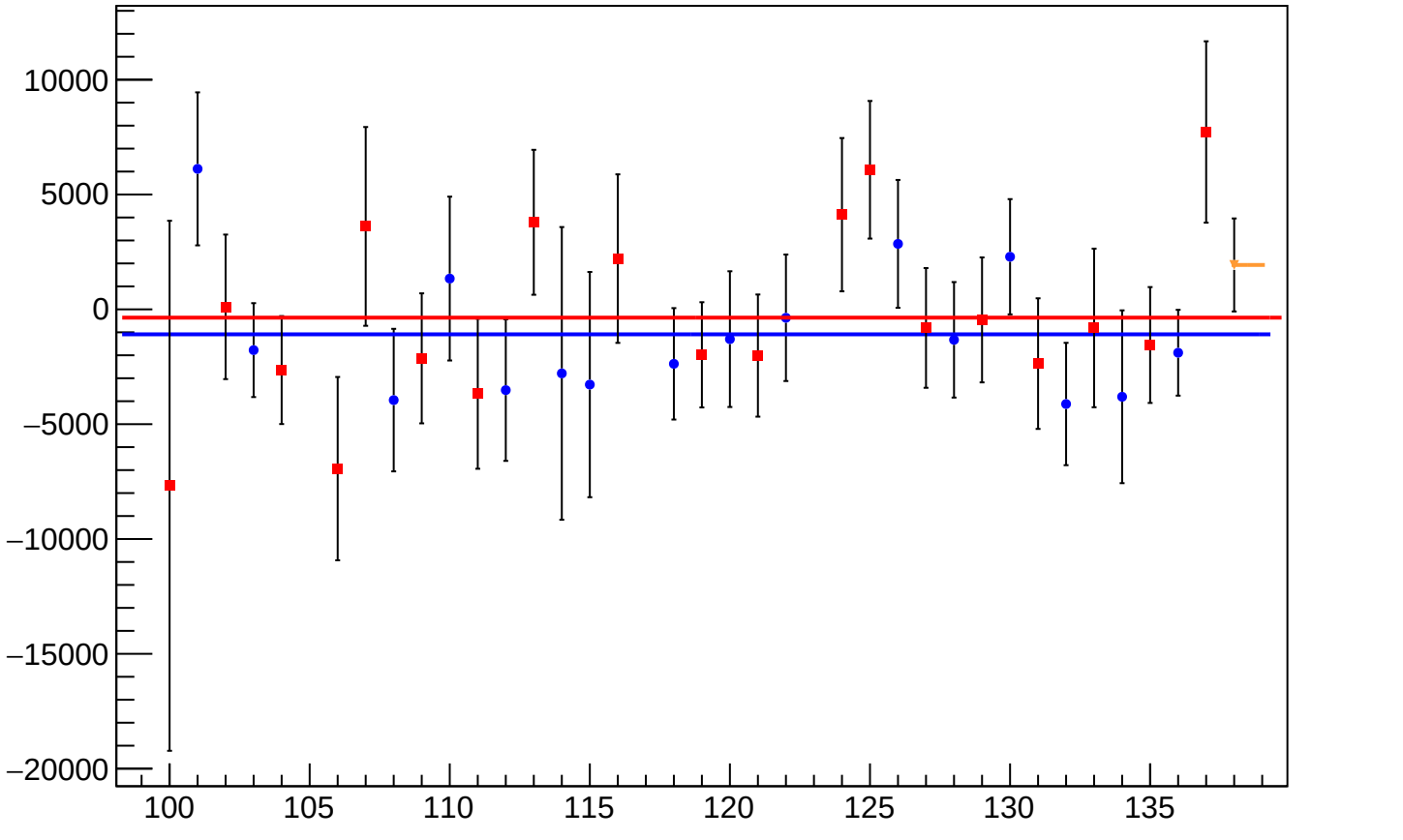
Left: 3942.948+/-3.189 χ^2/NDF: 0.0/0

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3934.727+/-1.062 χ^2/NDF:560149.8/15

Out: 746.851+/-0.360 χ^2/NDF:11764405.1/19

All: 1075.203+/-0.341 χ^2/NDF: 20404489.0/3



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1933.278+/-2025.098 χ^2/NDF:0.0/0

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1933.278+/-2025.098 χ^2/NDF: 0.0/0

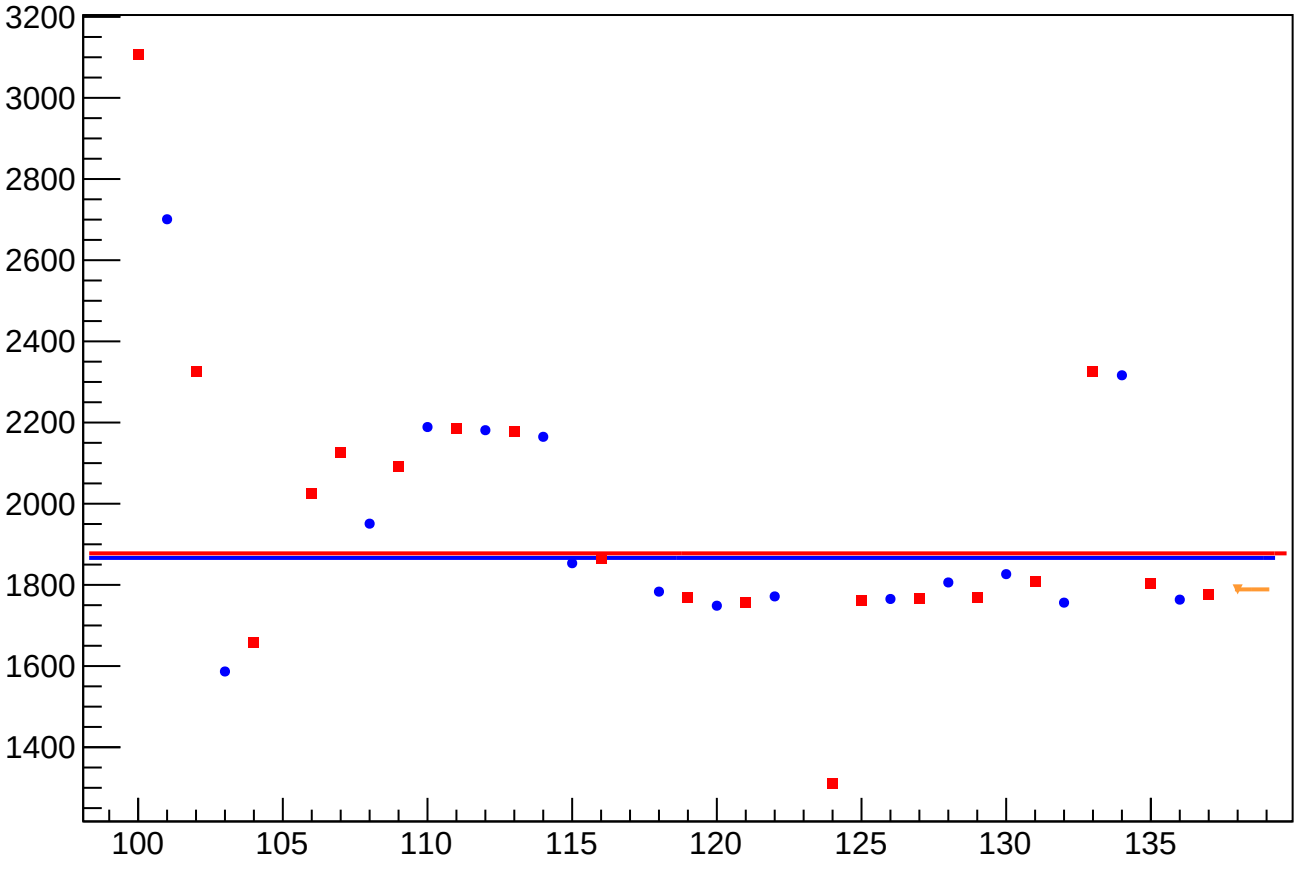
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1087.731+/-699.579 χ^2/NDF:13.2/15

Out: -116.536+/-661.308 χ^2/NDF:22.0/19

All: -574.843+/-480.576 χ^2/NDF: 36.2/35

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1788.889+/-1.432 χ^2/NDF:0.0/0

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

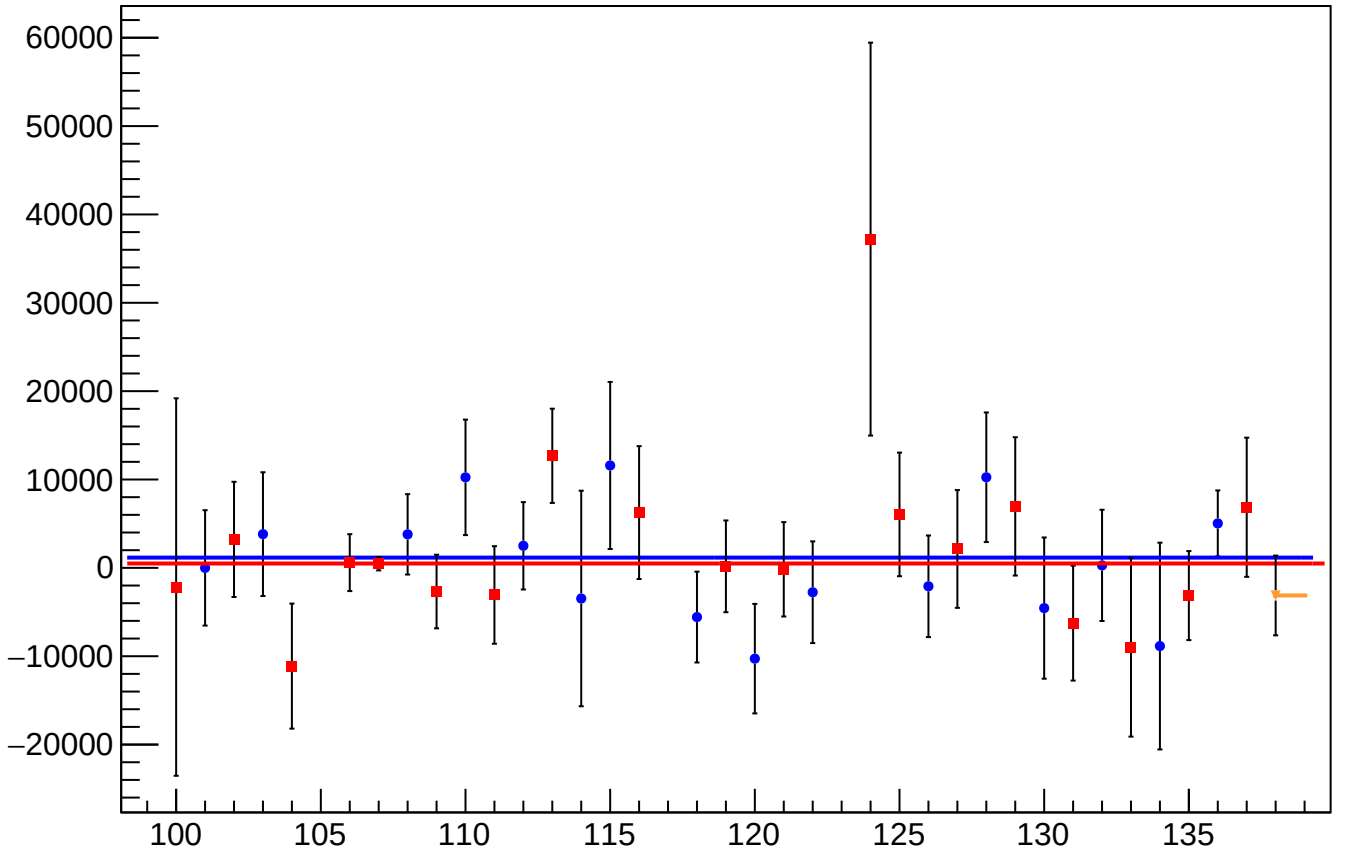
Left: 1788.889+/-1.432 χ^2/NDF: 0.0/0

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1866.456+/-0.495 χ^2/NDF:256262.4/15

Out: 1868.206+/-0.467 χ^2/NDF:255284.2/19

All: 1867.381+/-0.340 χ^2/NDF: 511553.2/35



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -3124.051+/-4512.903 χ^2/NDF:0.0/0

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

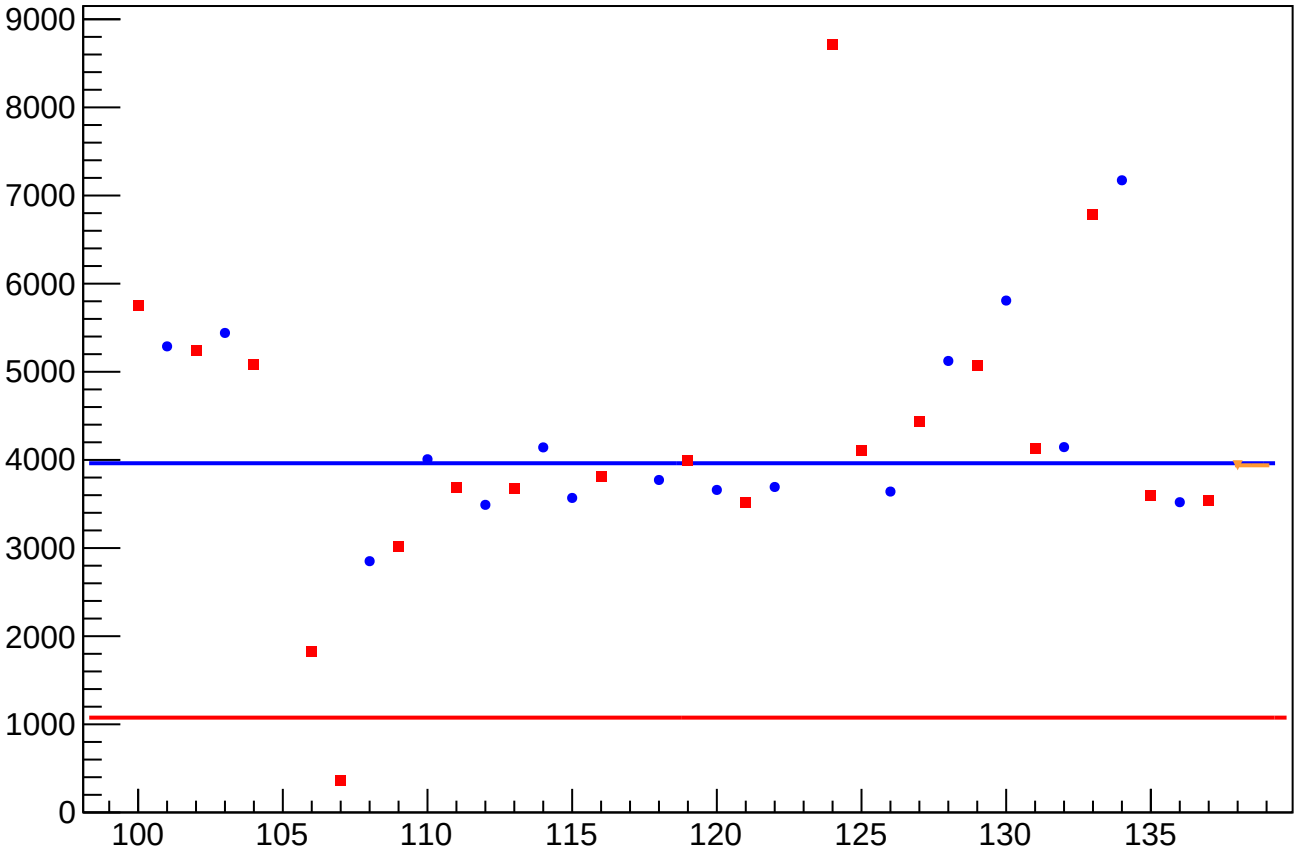
Left: -3124.051+/-4512.903 χ^2/NDF: 0.0/0

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 1161.124+/-1512.225 χ^2/NDF:13.7/15

Out: 417.501+/-651.610 χ^2/NDF:17.6/19

All: 533.949+/-598.419 χ^2/NDF: 31.4/35



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3938.933+/-3.191 χ^2/NDF:0.0/0

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

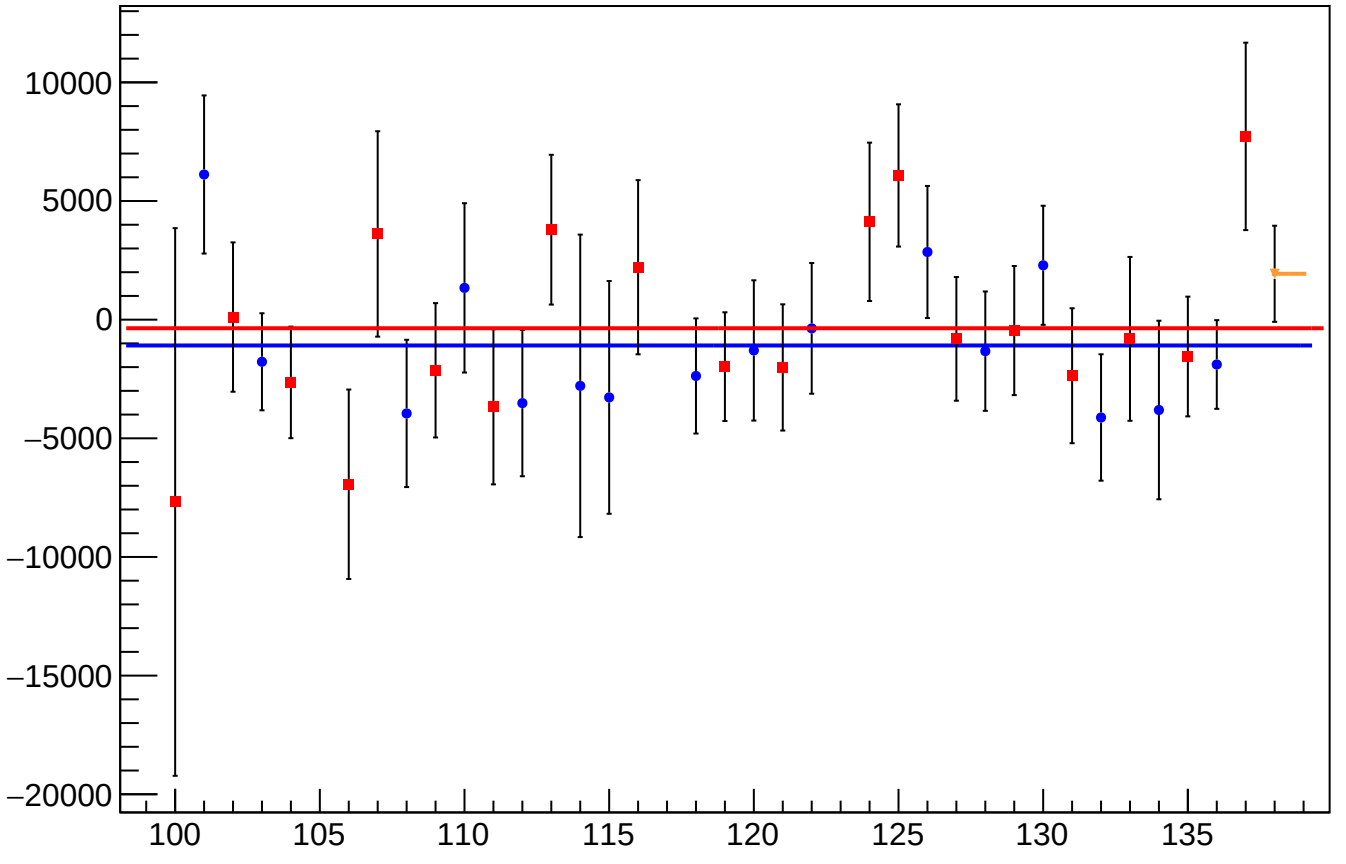
Left: 3938.933+/-3.191 χ^2/NDF: 0.0/0

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3962.368+/-1.069 χ^2/NDF:668339.6/15

Out: 1135.644+/-0.461 χ^2/NDF:10346513.3/19

All: 1578.296+/-0.423 χ^2/NDF: 16908713.4/3



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1933.281+/-2025.099 χ^2/NDF:0.0/0

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

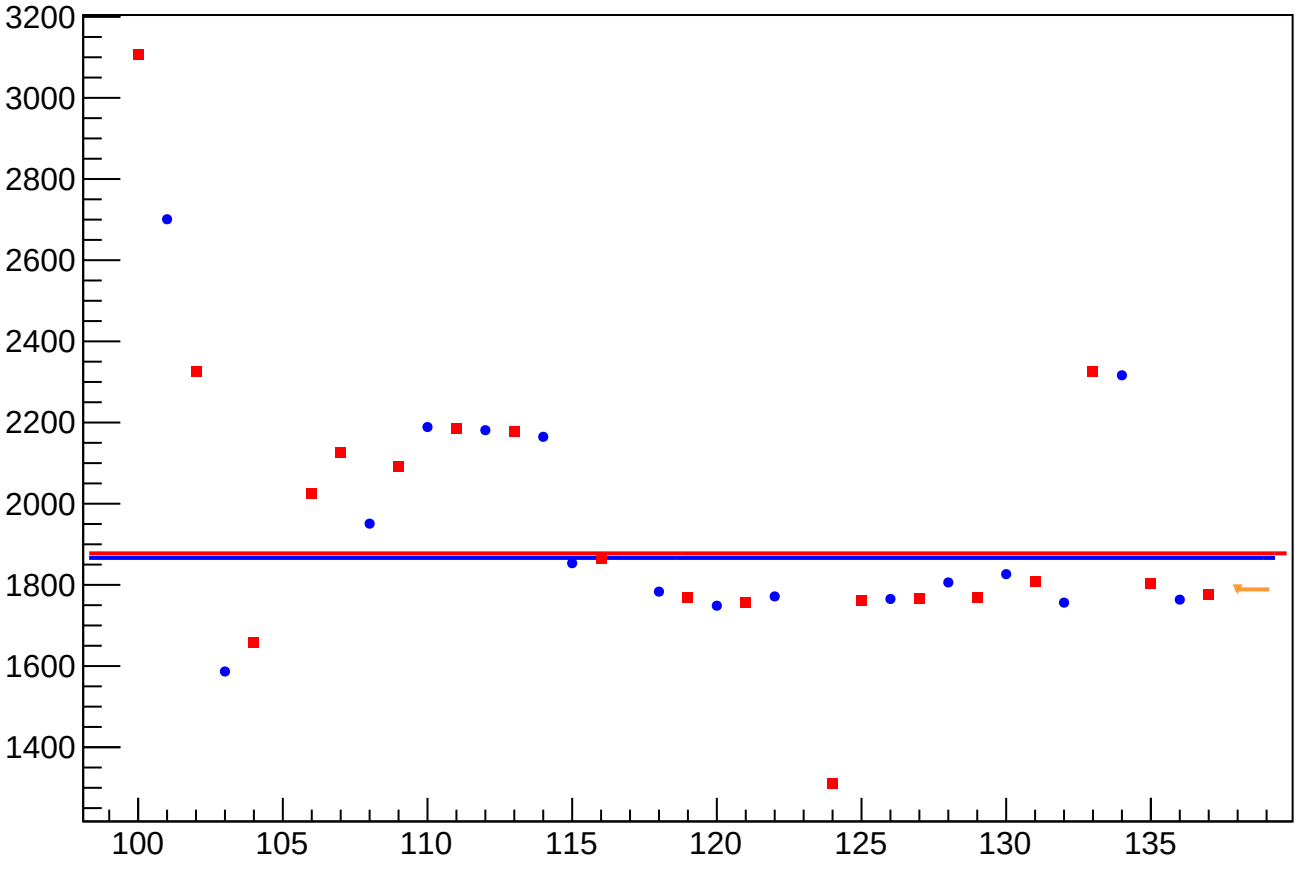
Left: 1933.281+/-2025.099 χ^2/NDF: 0.0/0

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1087.736+/-699.579 χ^2/NDF:13.2/15

Out: -116.540+/-661.308 χ^2/NDF:22.0/19

All: -574.847+/-480.576 χ^2/NDF: 36.2/35



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1788.890+/-1.432 χ^2/NDF:0.0/0

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

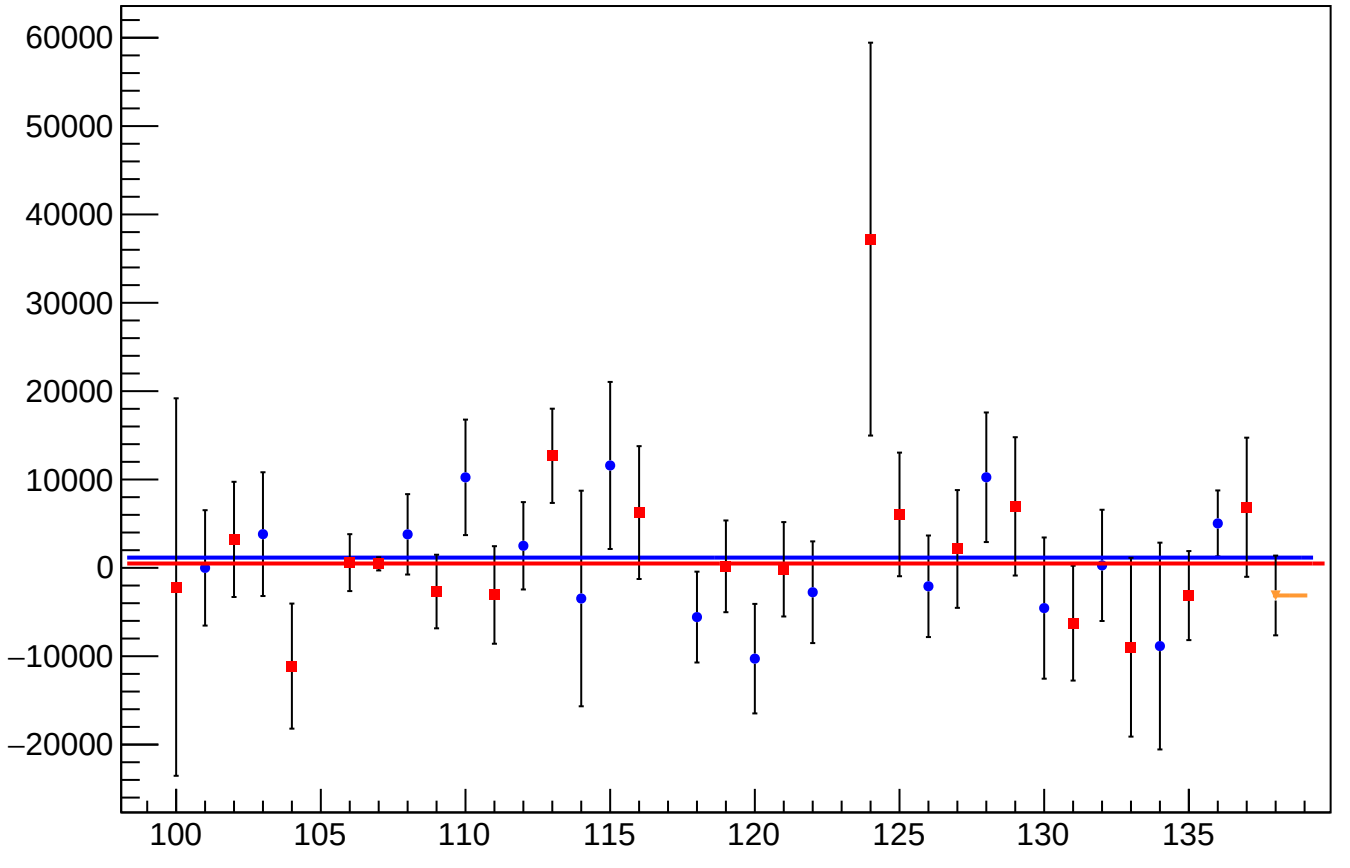
Left: 1788.890+/-1.432 χ^2/NDF: 0.0/0

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1866.456+/-0.495 χ^2/NDF:256262.3/15

Out: 1868.206+/-0.467 χ^2/NDF:255284.5/19

All: 1867.381+/-0.340 χ^2/NDF: 511553.4/35



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -3124.047+/-4512.910 χ^2/NDF:0.0/0

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

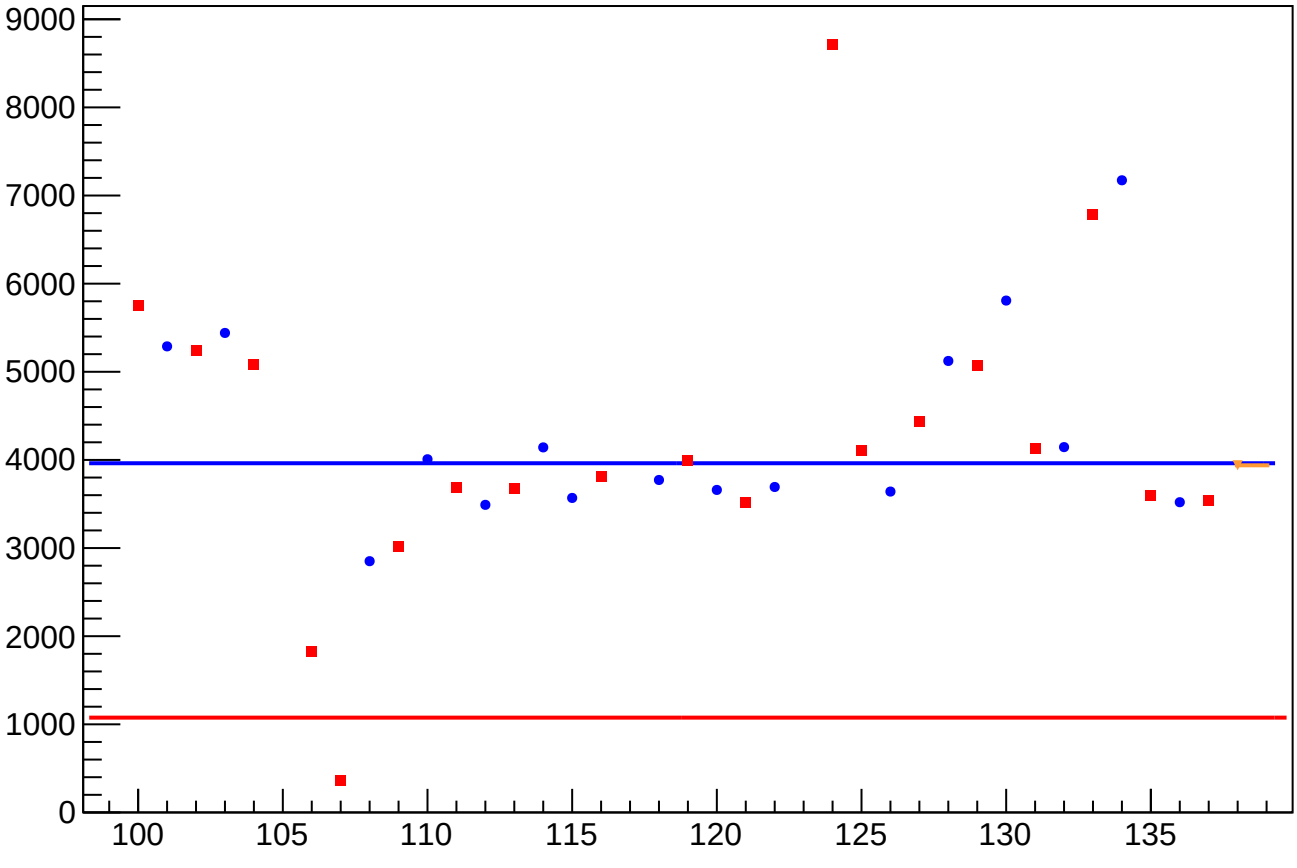
Left: -3124.047+/-4512.910 χ^2/NDF: 0.0/0

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 1161.104+/-1512.222 χ^2/NDF:13.7/15

Out: 417.506+/-651.620 χ^2/NDF:17.6/19

All: 533.953+/-598.427 χ^2/NDF: 31.4/35



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3938.939+/-3.191 χ^2/NDF:0.0/0

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3938.939+/-3.191 χ^2/NDF: 0.0/0

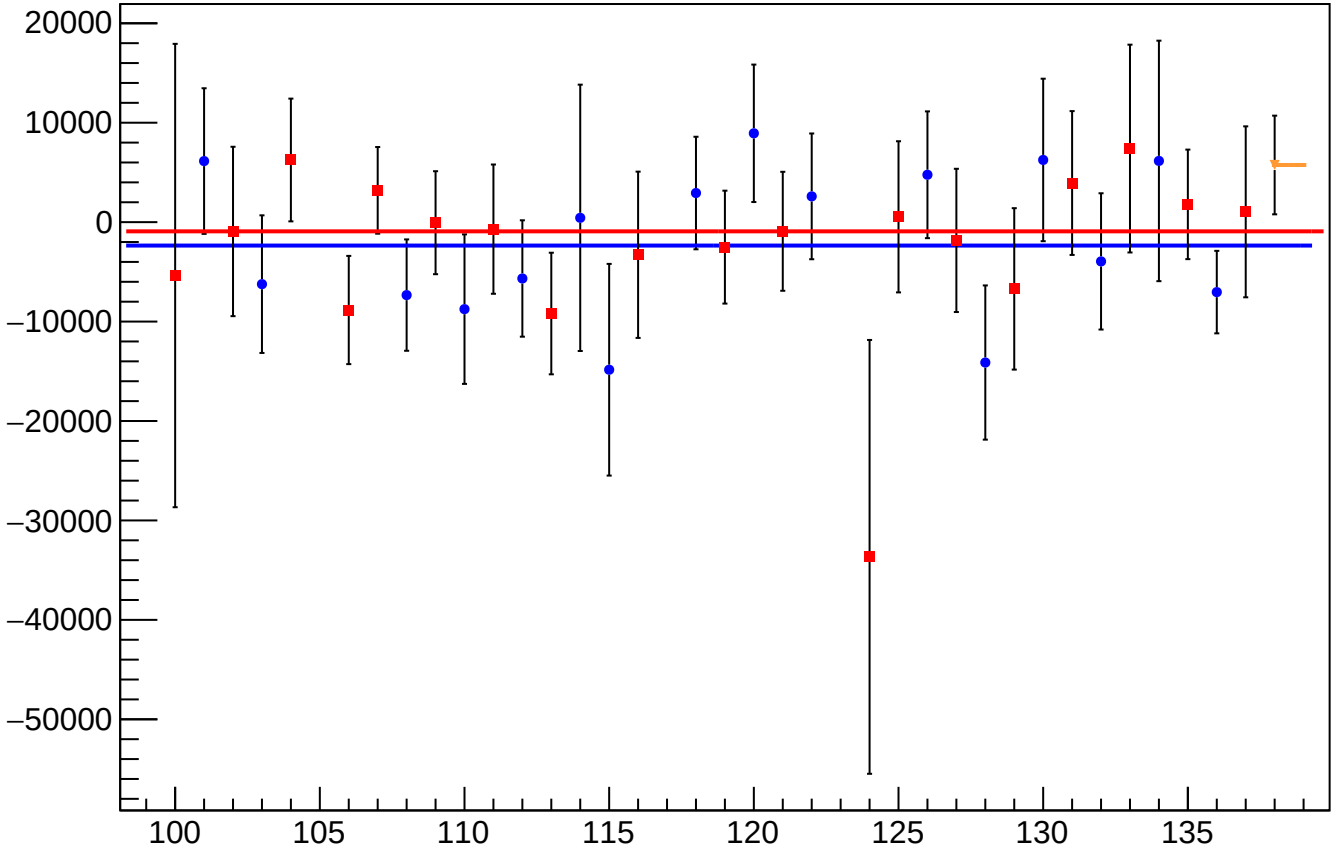
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3962.361+/-1.069 χ^2/NDF:668335.9/15

Out: 1135.676+/-0.461 χ^2/NDF:10346367.1/19

All: 1578.335+/-0.423 χ^2/NDF: 16908391.4/3

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 5748.379+/-4962.475 χ^2/NDF:0.0/0

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 5748.379+/-4962.475 χ^2/NDF: 0.0/0

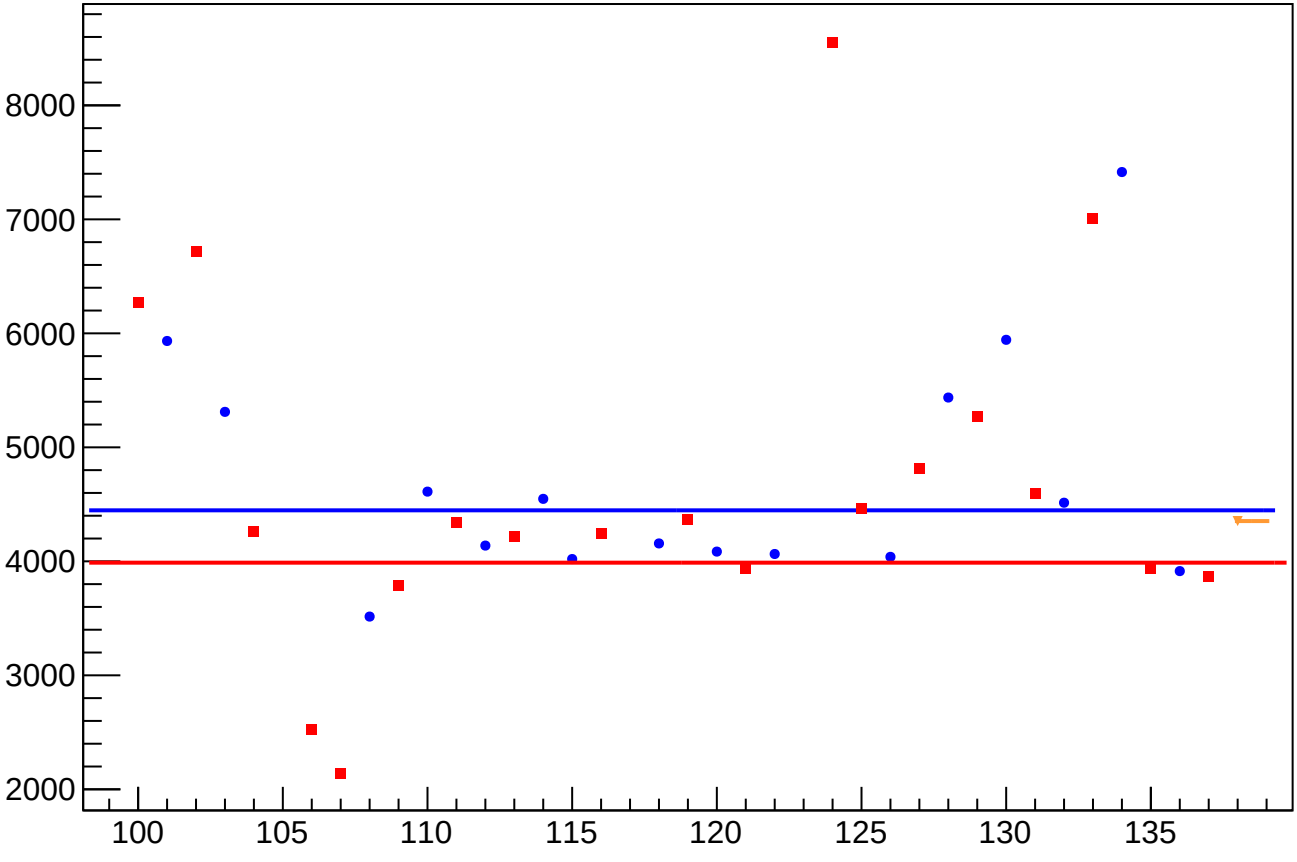
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -2354.851+/-1684.784 χ^2/NDF:15.5/15

Out: -333.896+/-1476.803 χ^2/NDF:12.3/19

All: -1212.001+/-1110.553 χ^2/NDF: 28.6/35

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4353.182+/-3.509 χ^2/NDF:0.0/0

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

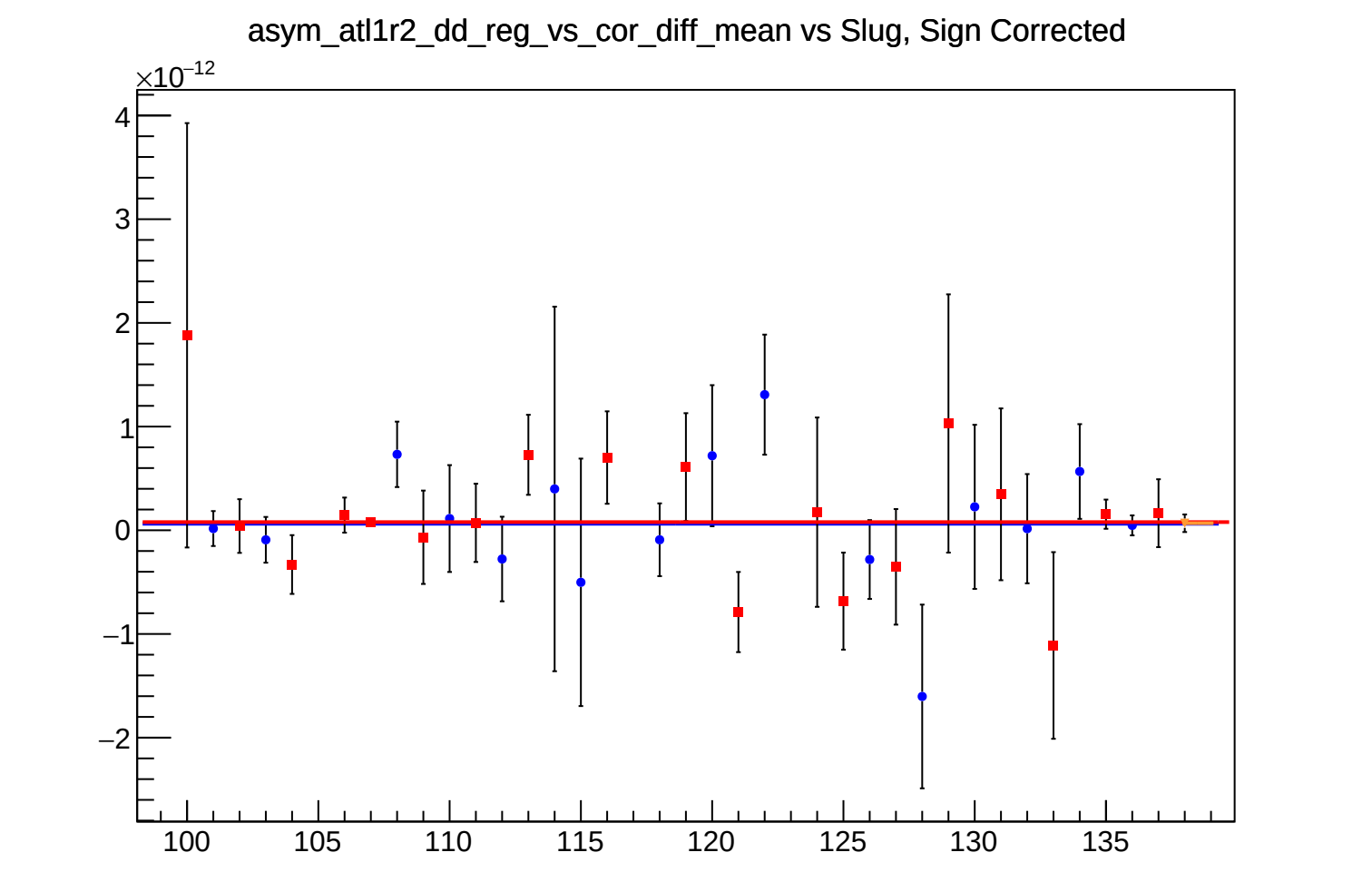
Left: 4353.182+/-3.509 χ^2/NDF: 0.0/0

Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4447.424+/-1.191 χ^2/NDF:458251.2/15

Out: 4019.986+/-1.035 χ^2/NDF:1153807.6/19

All: 4203.800+/-0.781 χ^2/NDF: 1685431.3/35



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

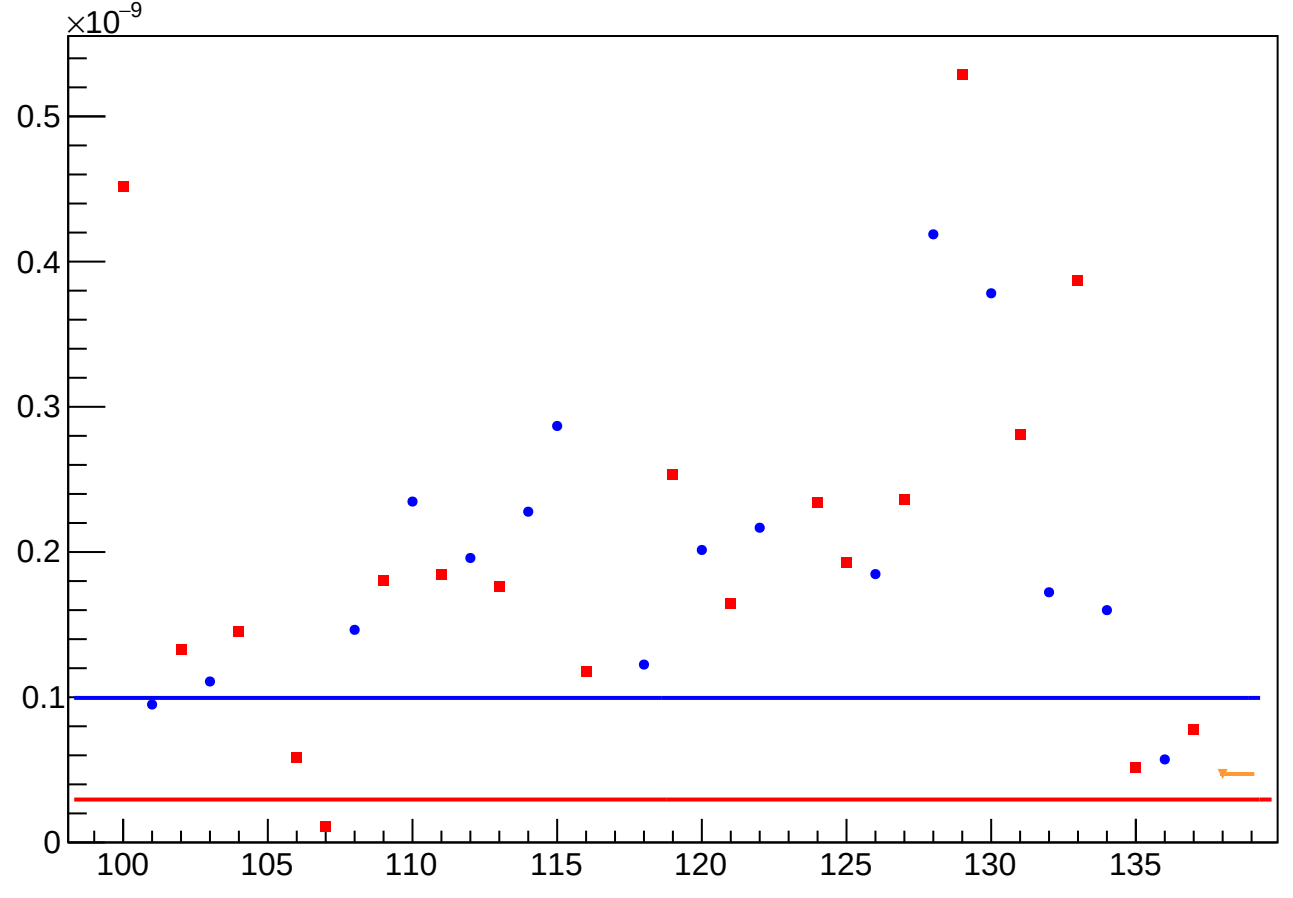
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:17.4/15

Out: 0.000+/-0.000 χ^2/NDF:20.1/19

All: 0.000+/-0.000 χ^2/NDF: 37.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

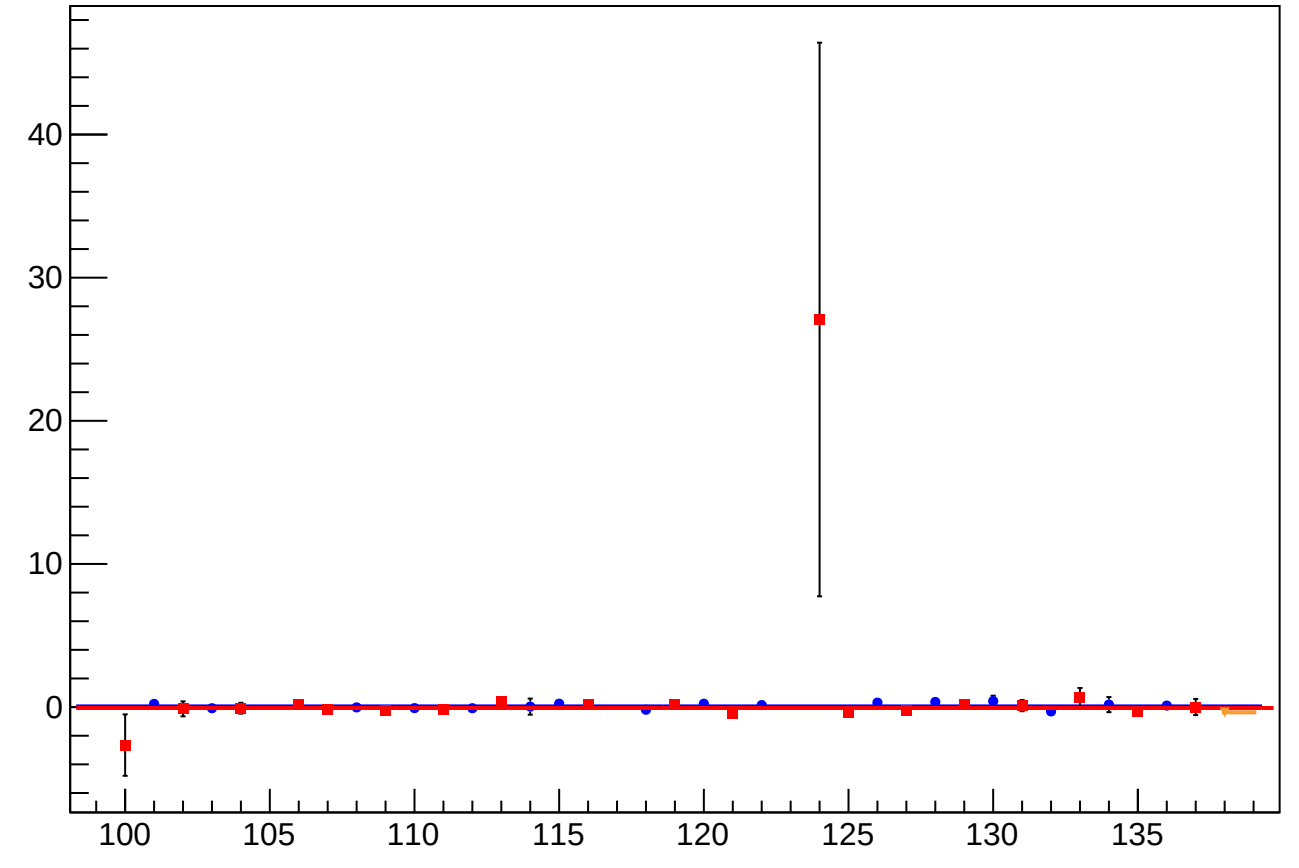
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:1562904.8/15

Out: 0.000+/-0.000 χ^2/NDF:4438081.5/19

All: 0.000+/-0.000 χ^2/NDF: 7635758.6/35



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.366+/-0.311 χ^2/NDF:0.0/0

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

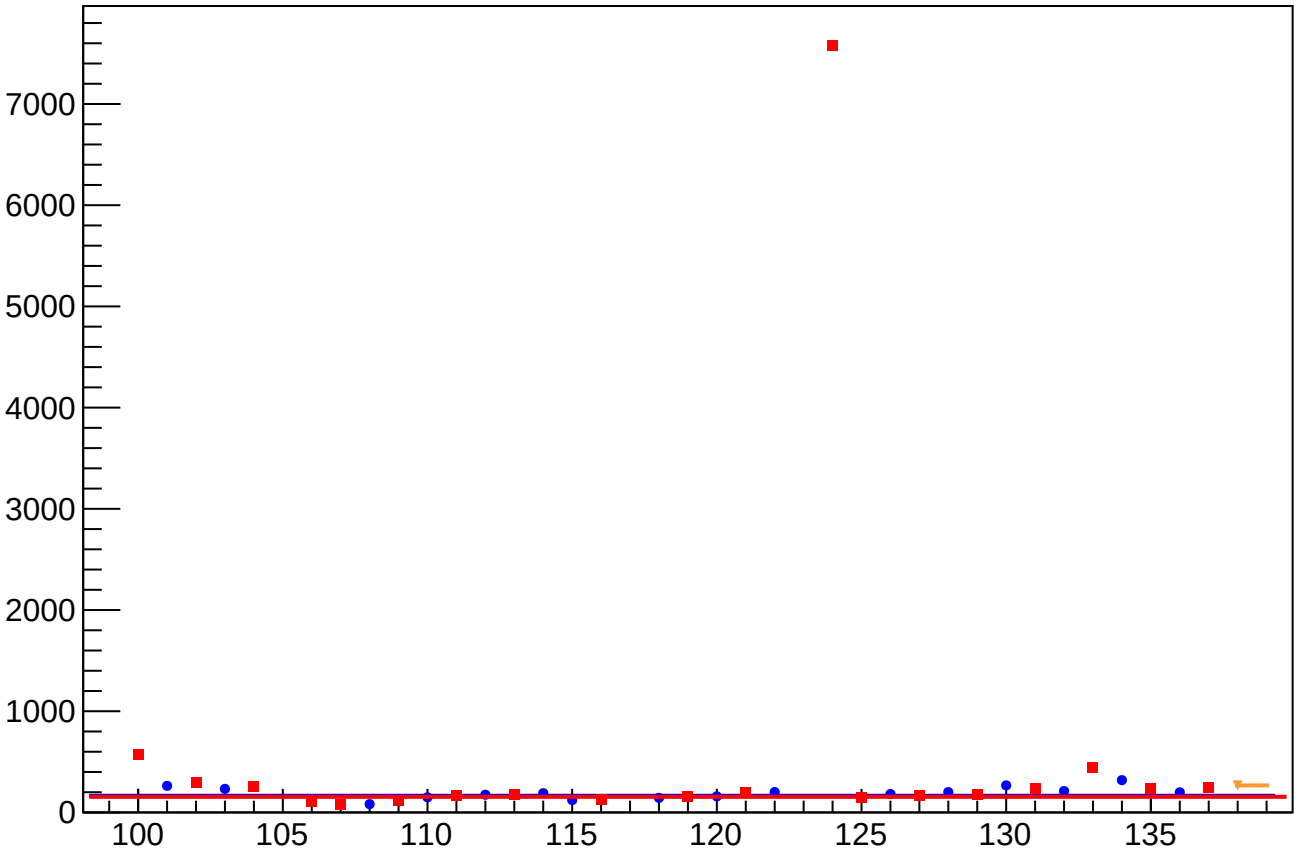
Left: -0.366+/-0.311 χ^2/NDF: 0.0/0

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.048+/-0.066 χ^2/NDF:7.6/15

Out: -0.074+/-0.063 χ^2/NDF:19.3/19

All: -0.016+/-0.046 χ^2/NDF: 28.7/35



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 267.229+/-0.220 χ^2/NDF:0.0/0

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 267.229+/-0.220 χ^2/NDF: 0.0/0

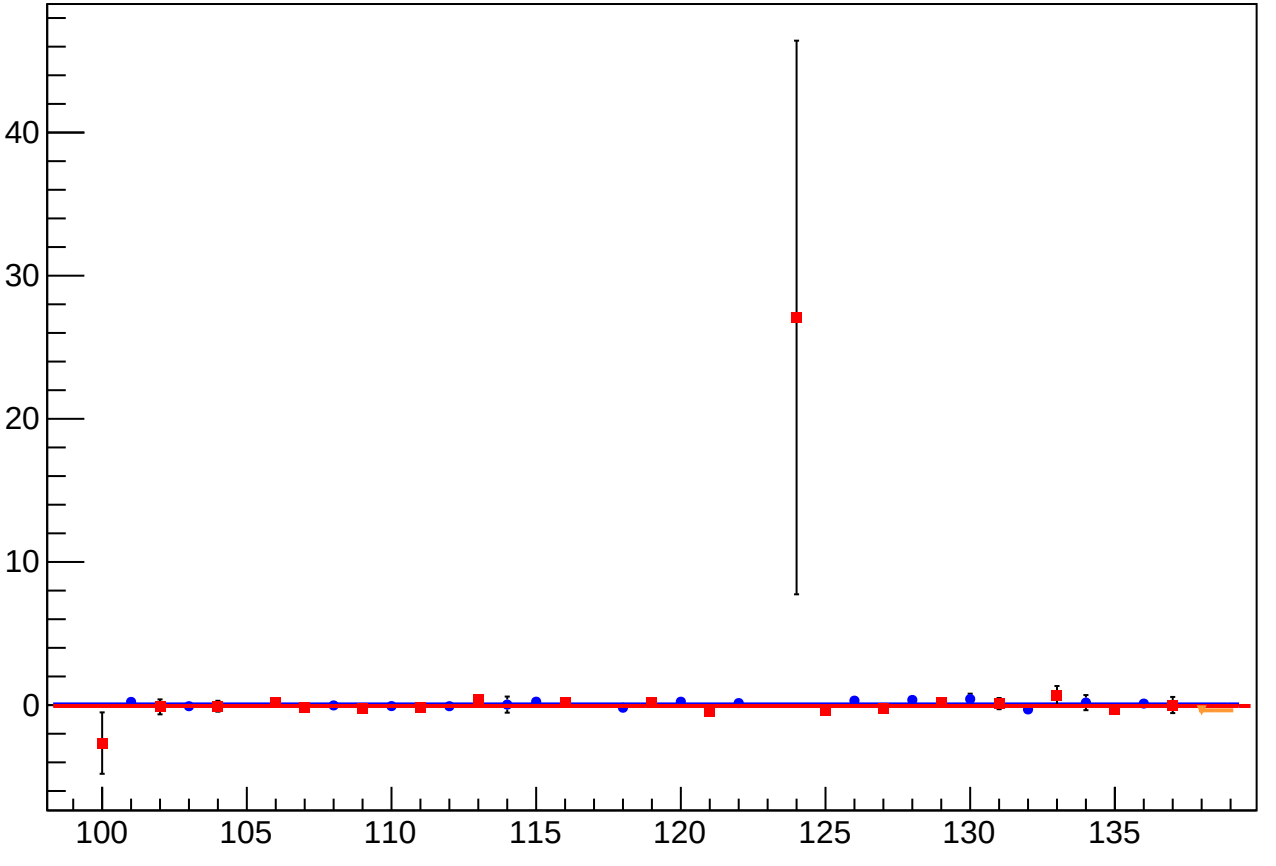
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 164.862+/-0.047 χ^2/NDF:1474718.1/15

Out: 159.026+/-0.045 χ^2/NDF:2173668.7/19

All: 161.793+/-0.032 χ^2/NDF: 3656508.6/35

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: -0.366+/-0.311 χ^2/NDF:0.0/0

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.366+/-0.311 χ^2/NDF: 0.0/0

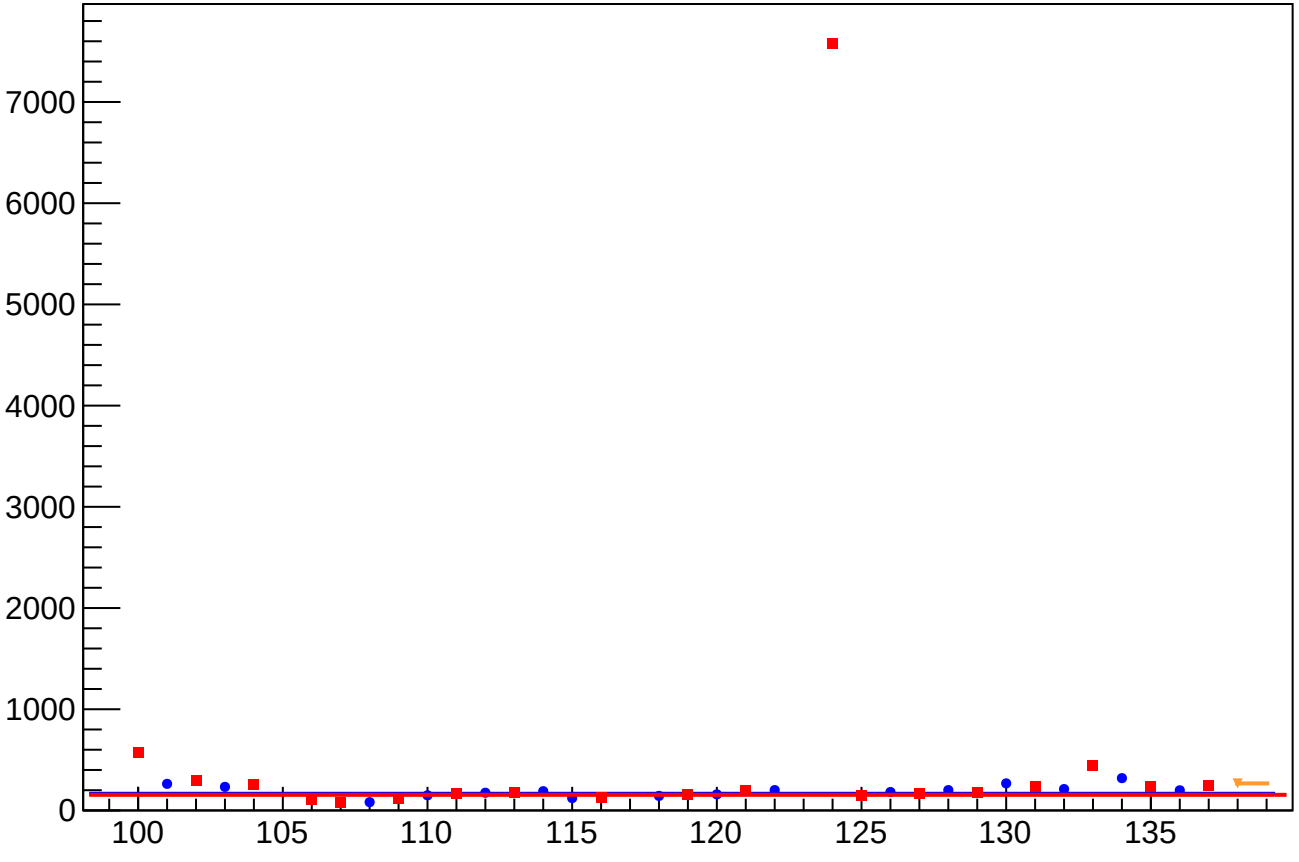
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.048+/-0.066 χ^2/NDF:7.6/15

Out: -0.074+/-0.063 χ^2/NDF:19.3/19

All: -0.016+/-0.046 χ^2/NDF: 28.7/35

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: 267.229+/-0.220 χ^2/NDF:0.0/0

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

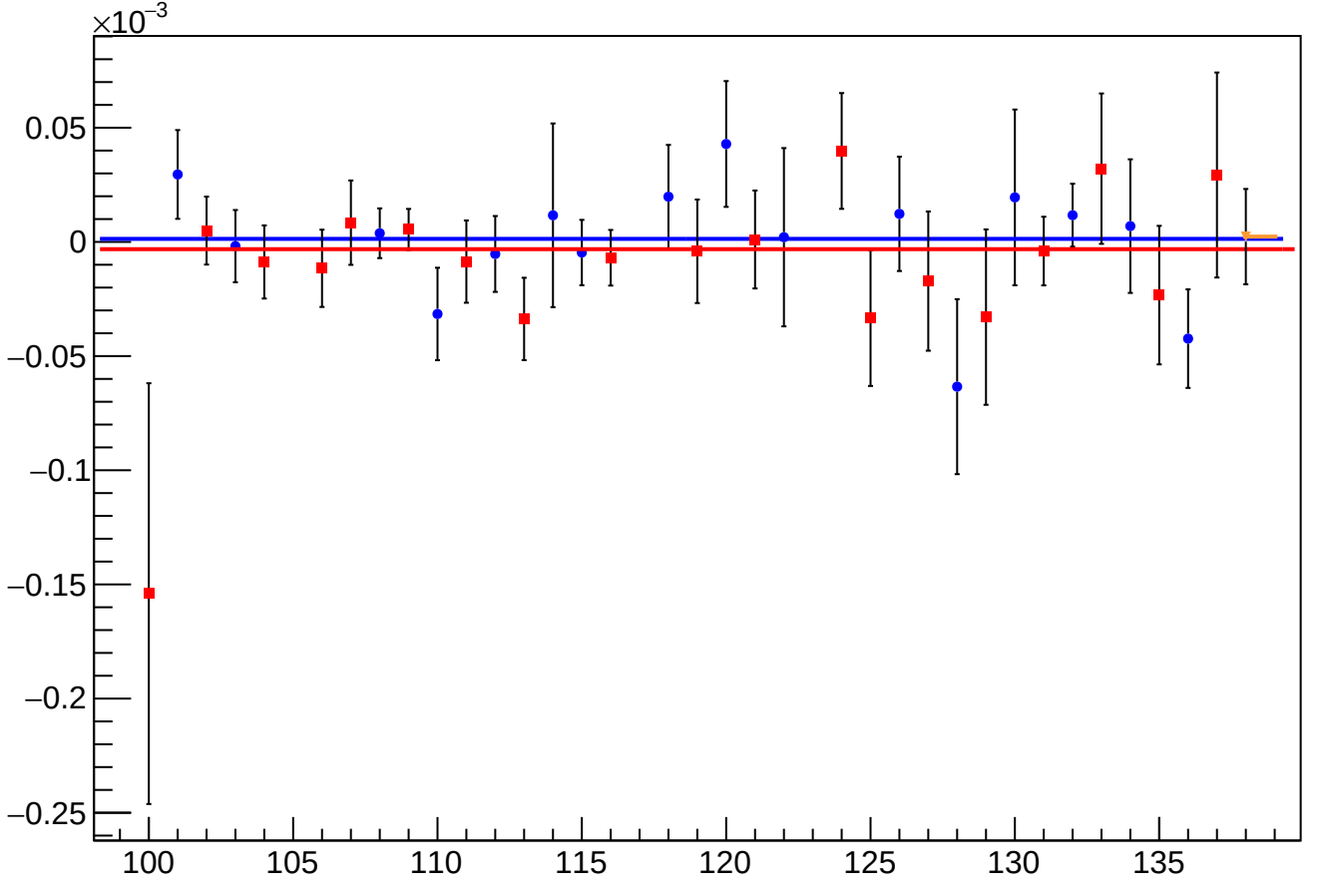
Left: 267.229+/-0.220 χ^2/NDF: 0.0/0

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 164.862+/-0.047 χ^2/NDF:1474718.1/15

Out: 159.026+/-0.045 χ^2/NDF:2173668.7/19

All: 161.793+/-0.032 χ^2/NDF: 3656508.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

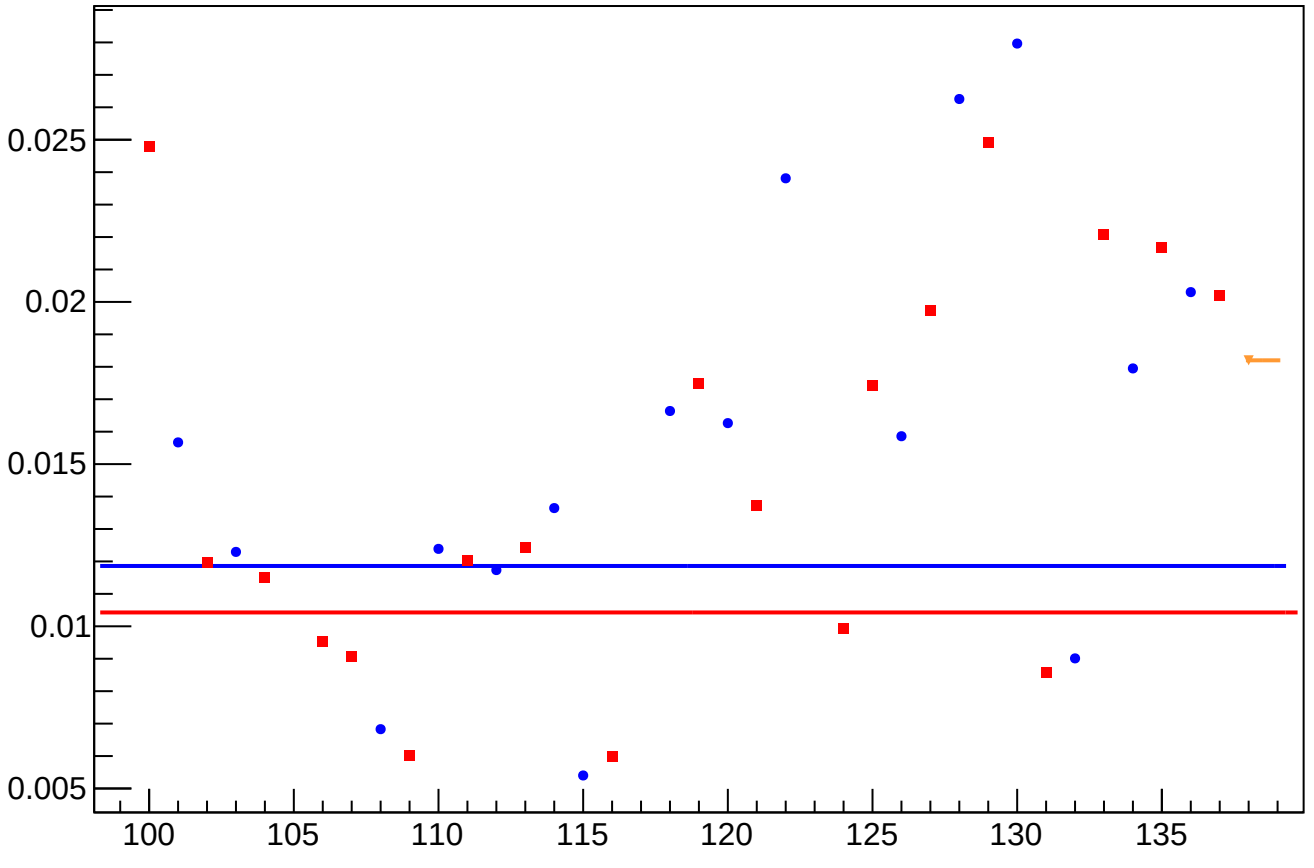
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:16.1/15

Out: -0.000+/-0.000 χ^2/NDF:14.7/19

All: -0.000+/-0.000 χ^2/NDF: 31.2/35



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.018+/-0.000 χ^2/NDF: 0.0/0

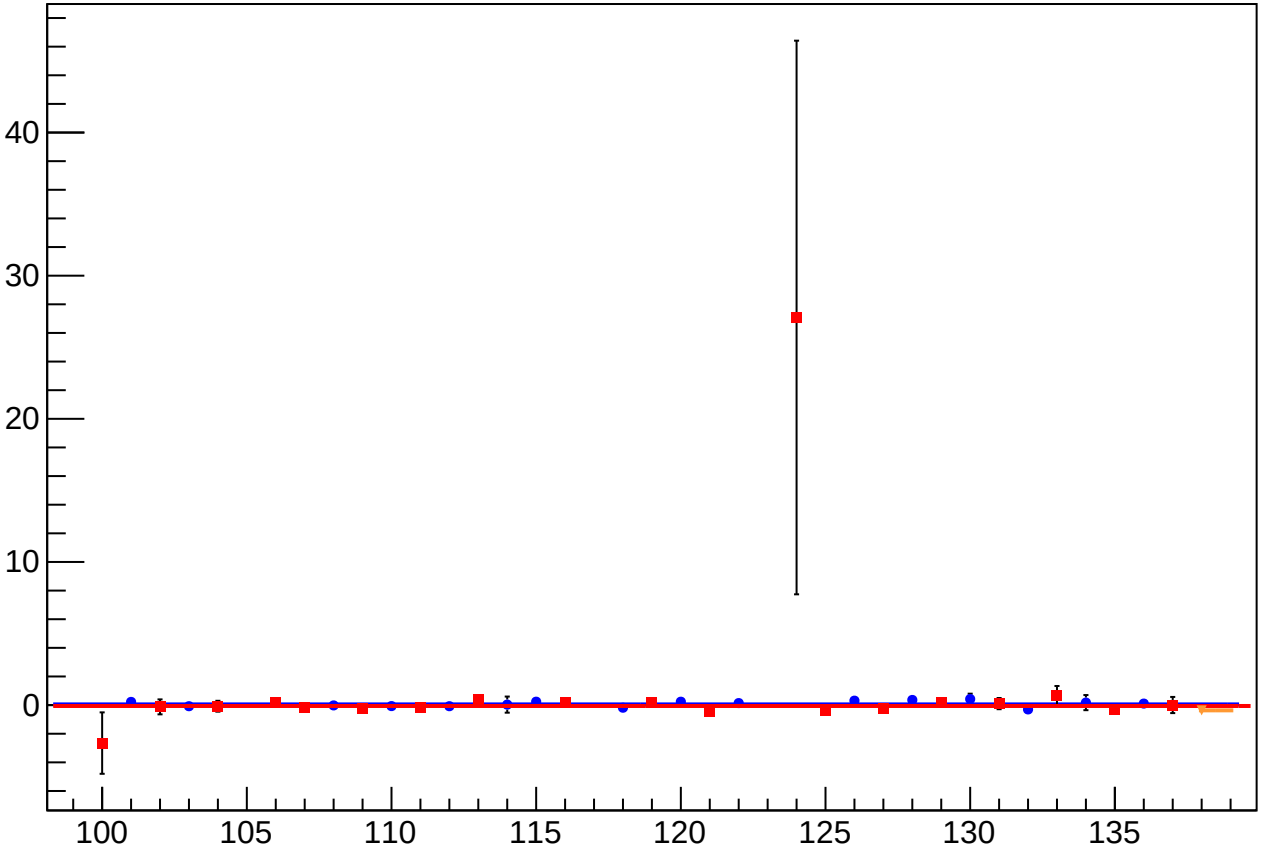
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.012+/-0.000 χ^2/NDF:2407192.9/15

Out: 0.011+/-0.000 χ^2/NDF:2621435.3/19

All: 0.011+/-0.000 χ^2/NDF: 5090395.7/35

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.367+/-0.311 χ^2/NDF:0.0/0

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.367+/-0.311 χ^2/NDF: 0.0/0

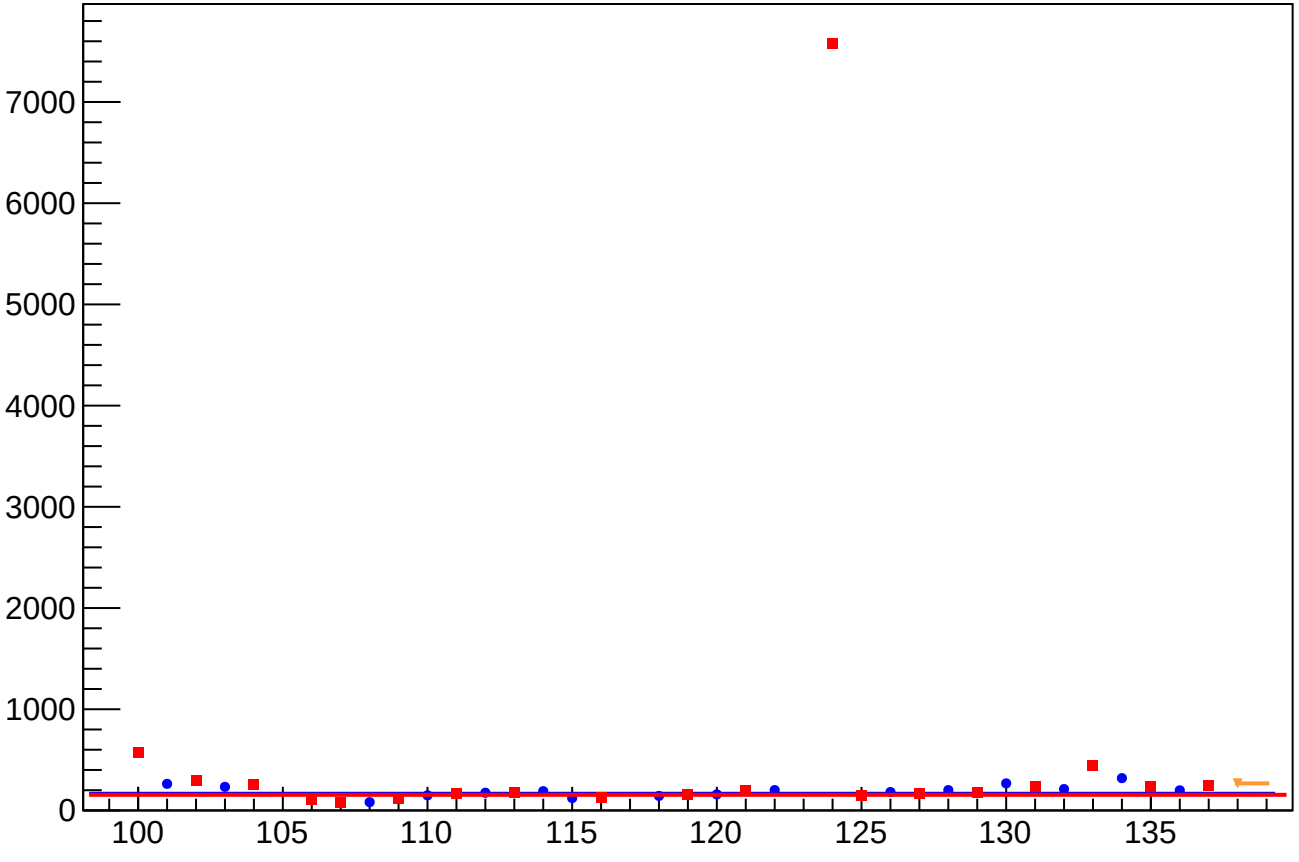
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.048+/-0.066 χ^2/NDF:7.6/15

Out: -0.074+/-0.063 χ^2/NDF:19.3/19

All: -0.016+/-0.046 χ^2/NDF: 28.7/35

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: 267.234+/-0.220 χ^2/NDF:0.0/0

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 267.234+/-0.220 χ^2/NDF: 0.0/0

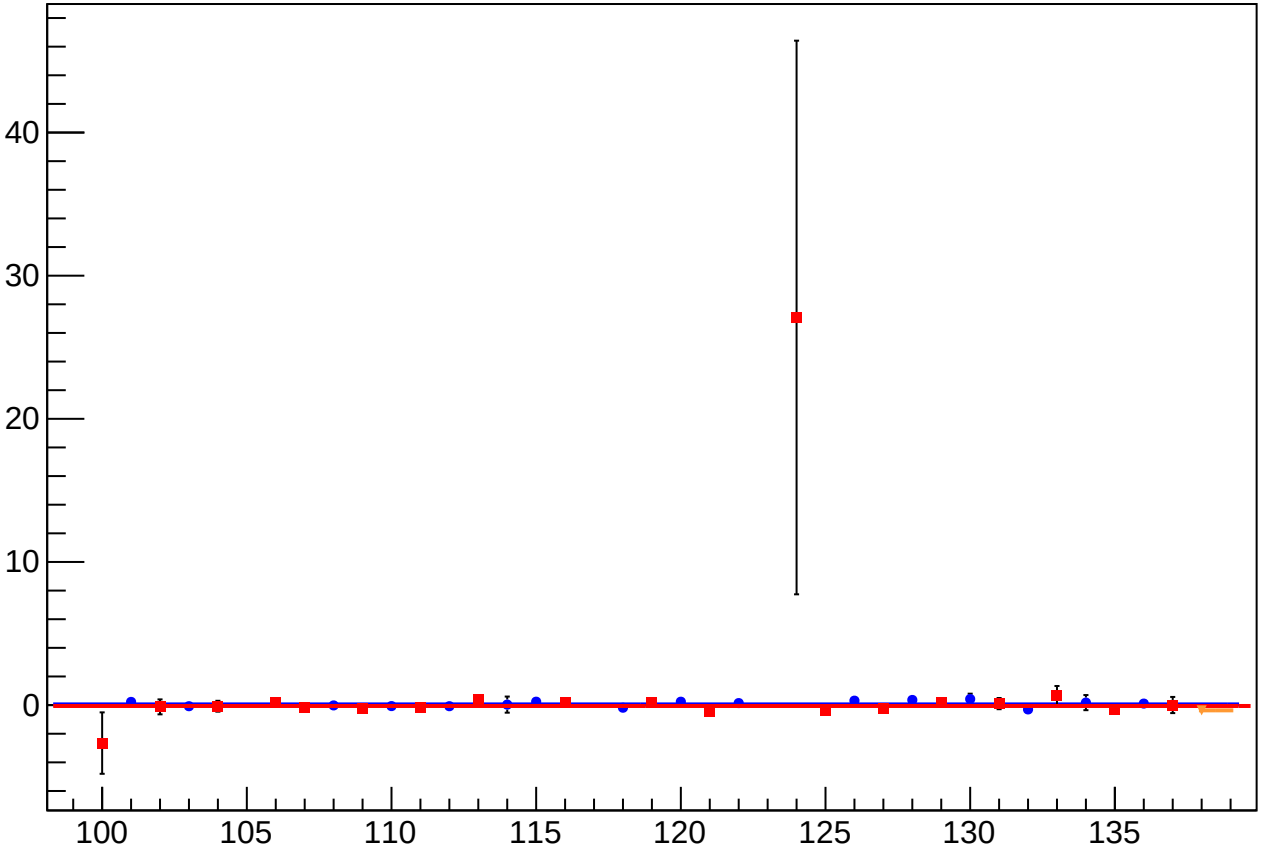
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 164.862+/-0.047 χ^2/NDF:1474692.6/15

Out: 159.026+/-0.045 χ^2/NDF:2173708.4/19

All: 161.793+/-0.032 χ^2/NDF: 3656523.0/35

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: -0.367+/-0.311 χ^2/NDF:0.0/0

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.367+/-0.311 χ^2/NDF: 0.0/0

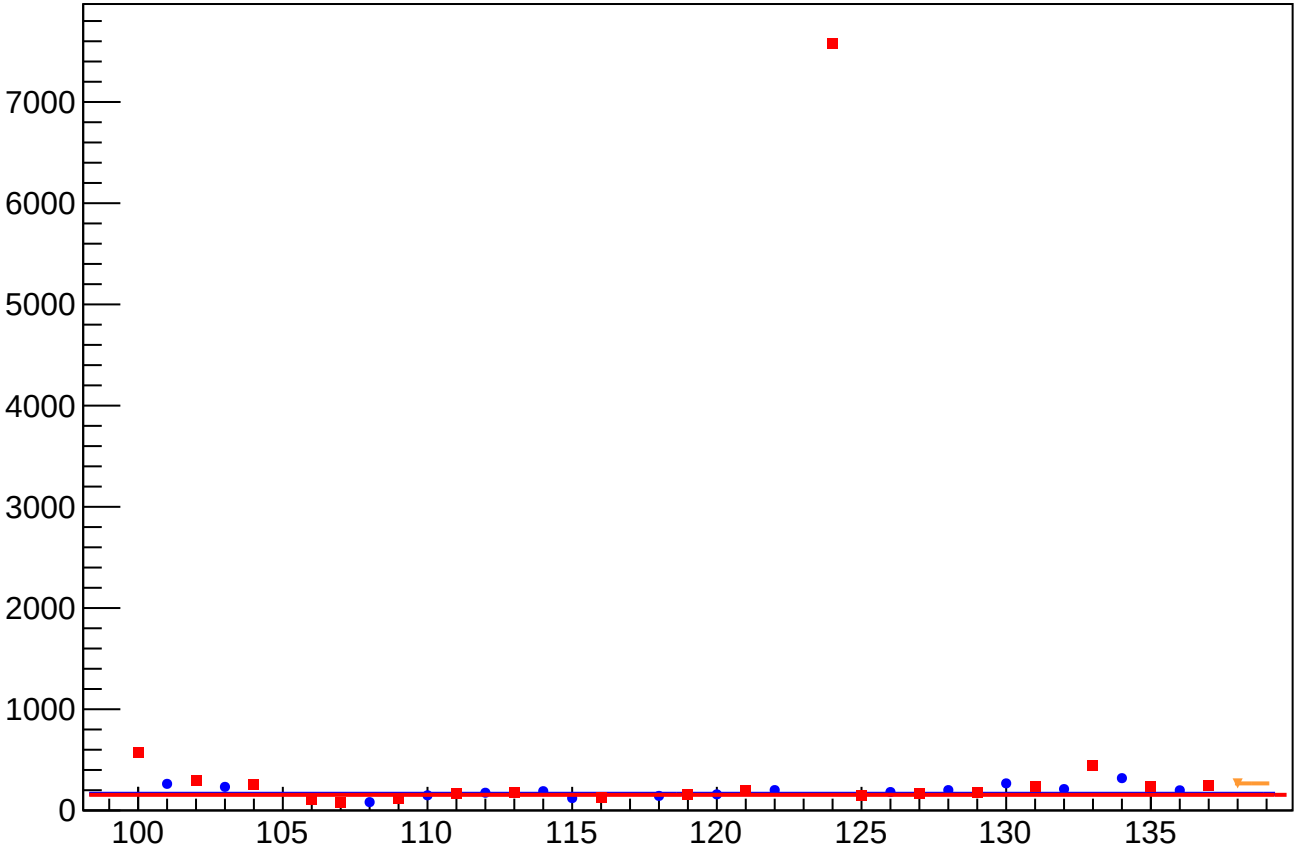
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.048+/-0.066 χ^2/NDF:7.6/15

Out: -0.074+/-0.063 χ^2/NDF:19.3/19

All: -0.016+/-0.046 χ^2/NDF: 28.7/35

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: 267.234+/-0.220 χ^2/NDF:0.0/0

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

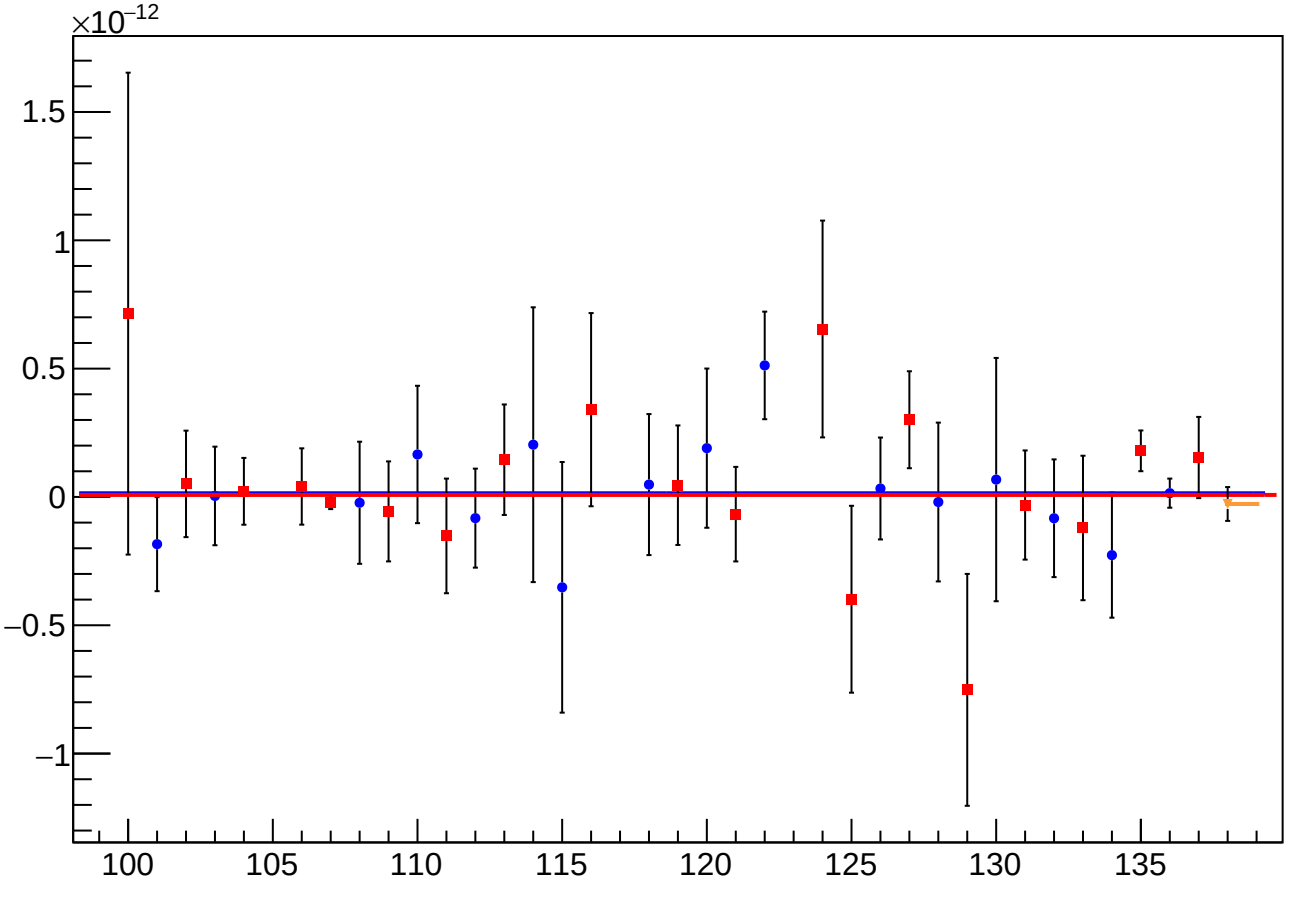
Left: 267.234+/-0.220 χ^2/NDF: 0.0/0

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 164.862+/-0.047 χ^2/NDF:1474692.6/15

Out: 159.026+/-0.045 χ^2/NDF:2173708.4/19

All: 161.793+/-0.032 χ^2/NDF: 3656523.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

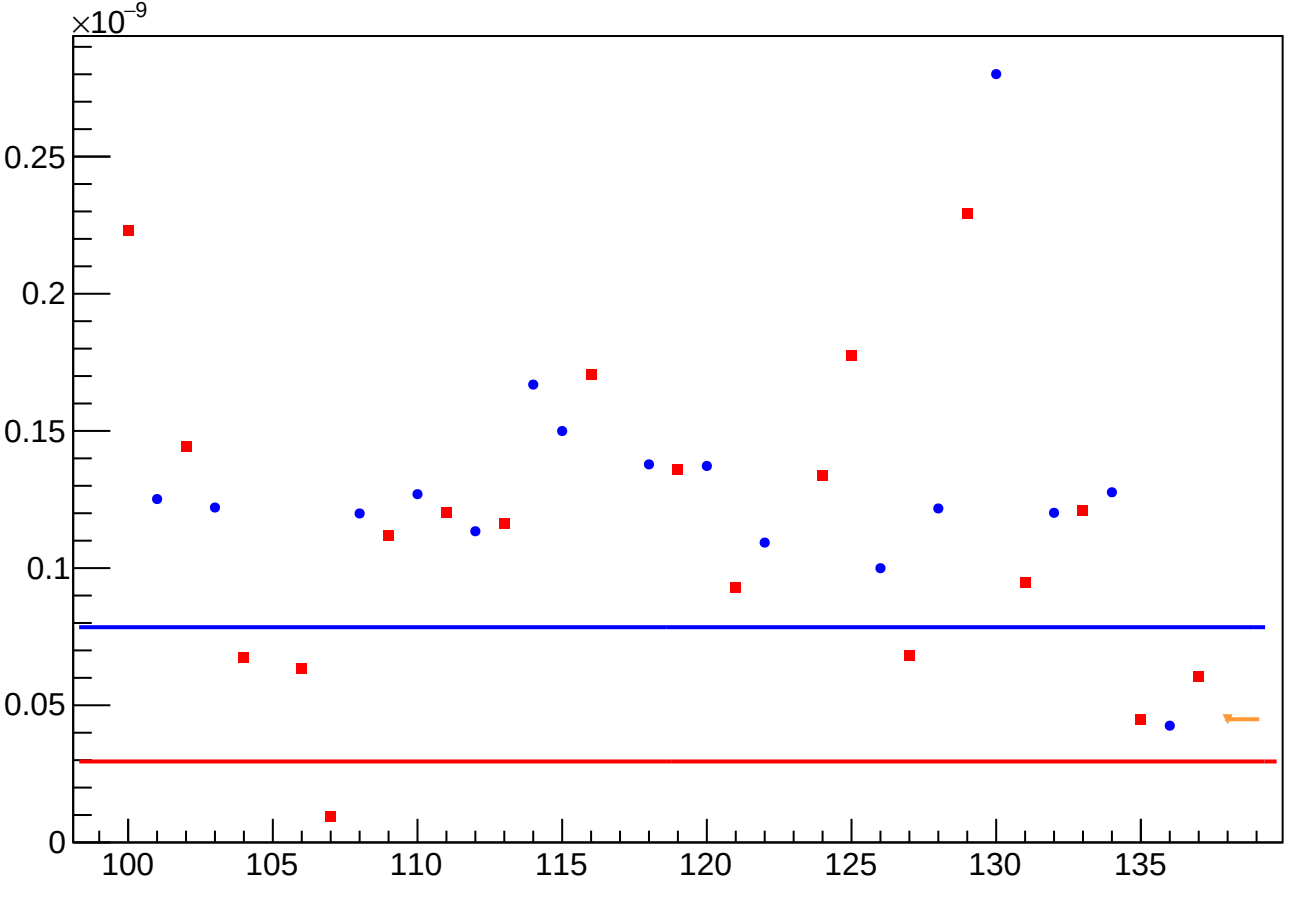
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: 0.000+/-0.000 χ^2/NDF:9.6/15

Out: 0.000+/-0.000 χ^2/NDF:18.6/19

All: 0.000+/-0.000 χ^2/NDF: 28.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

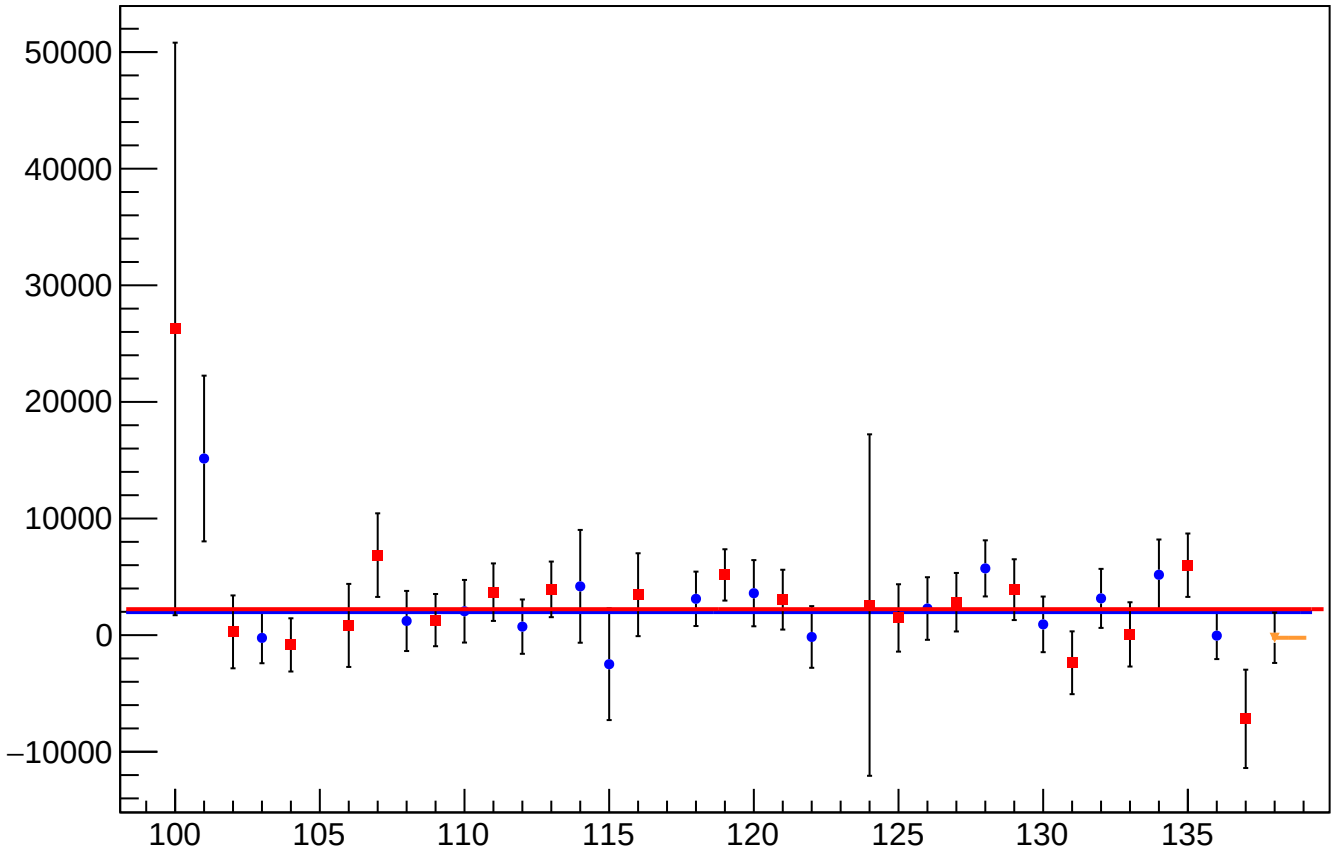
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:2103056.4/15

Out: 0.000+/-0.000 χ^2/NDF:5584644.6/19

All: 0.000+/-0.000 χ^2/NDF: 9659183.5/35



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: -225.642+/-2159.061 χ^2/NDF:0.0/0

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

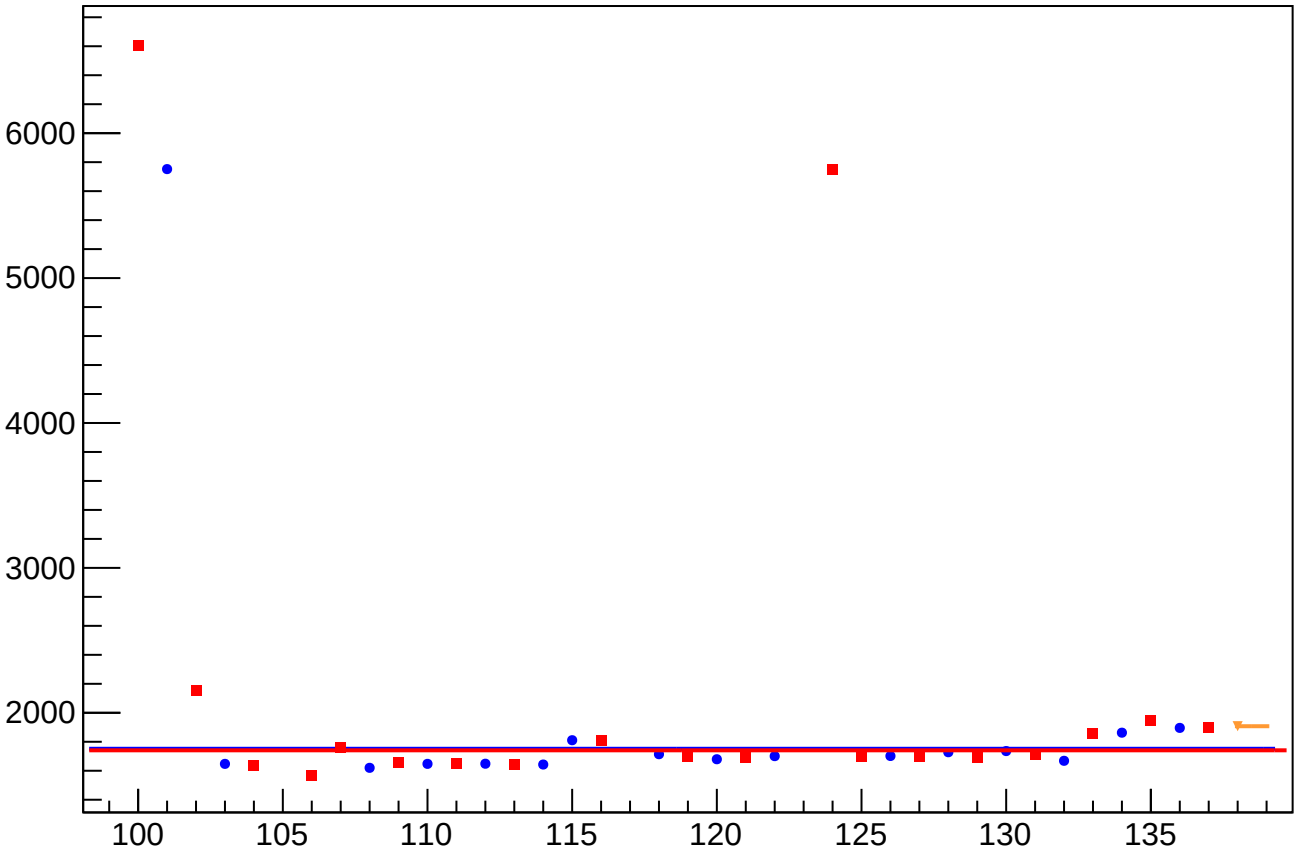
Left: -225.642+/-2159.061 χ^2/NDF: 0.0/0

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 1976.299+/-667.710 χ^2/NDF:12.1/15

Out: 2018.792+/-627.918 χ^2/NDF:20.2/19

All: 1998.849+/-457.426 χ^2/NDF: 32.3/35



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1907.303+/-1.527 χ^2/NDF:0.0/0

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

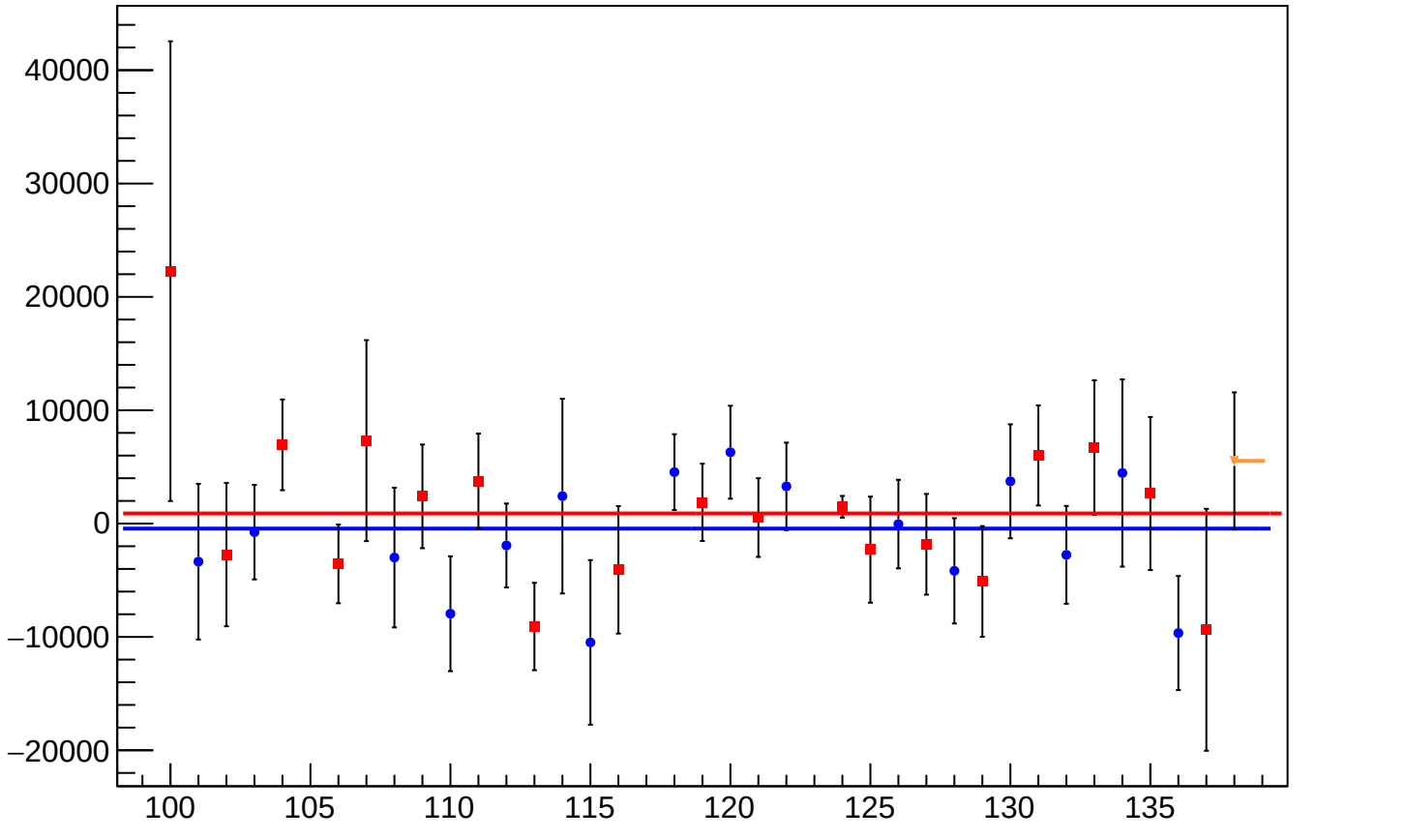
Left: 1907.303+/-1.527 χ^2/NDF: 0.0/0

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1751.607+/-0.472 χ^2/NDF:670651.4/15

Out: 1754.925+/-0.441 χ^2/NDF:315524.0/19

All: 1753.379+/-0.322 χ^2/NDF: 986201.7/35



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: 5529.767+/-6046.736 χ^2/NDF:0.0/0

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

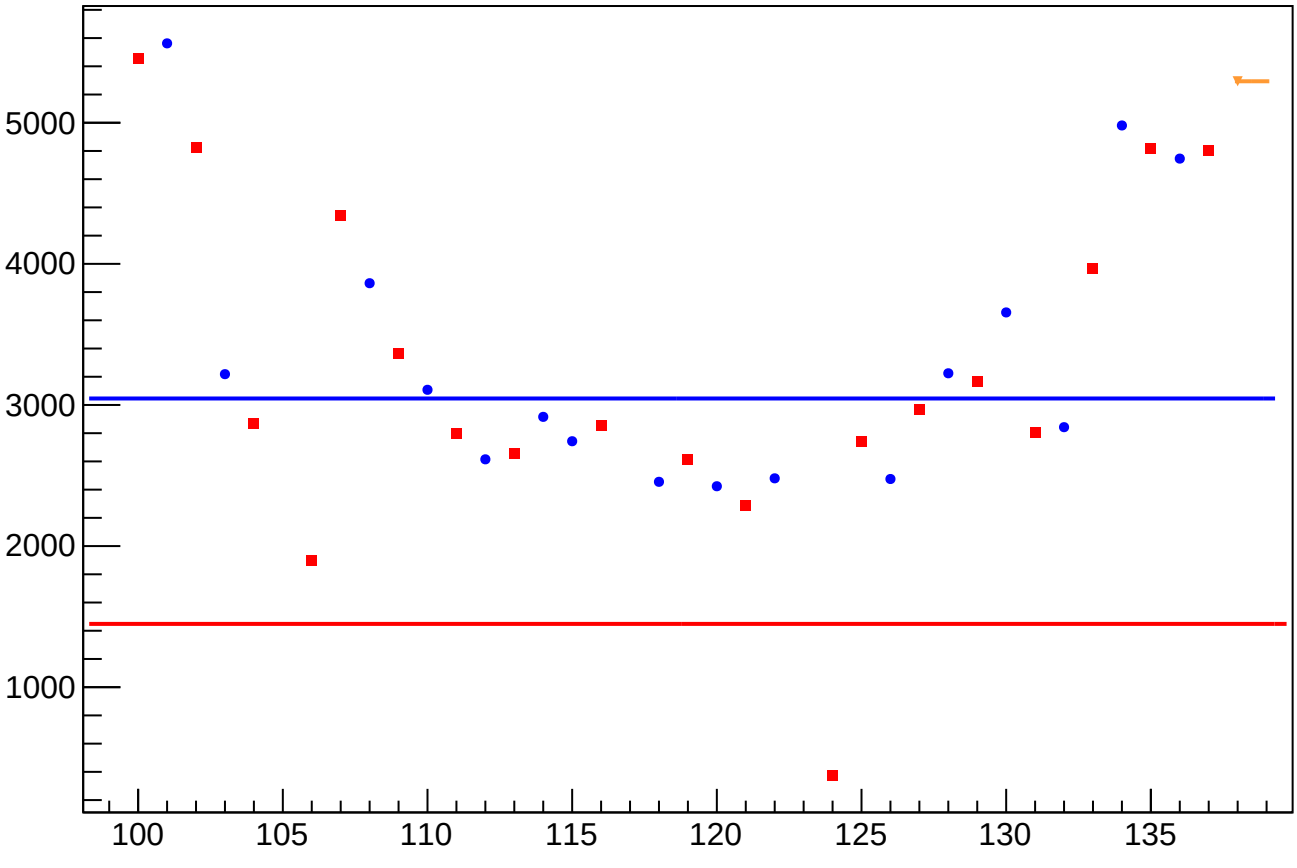
Left: 5529.767+/-6046.736 χ^2/NDF: 0.0/0

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -444.273+/-1174.448 χ^2/NDF:15.9/15

Out: 958.093+/-720.565 χ^2/NDF:20.7/19

All: 574.573+/-614.182 χ^2/NDF: 37.6/35



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 5293.859+/-4.276 χ^2/NDF:0.0/0

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 5293.859+/-4.276 χ^2/NDF: 0.0/0

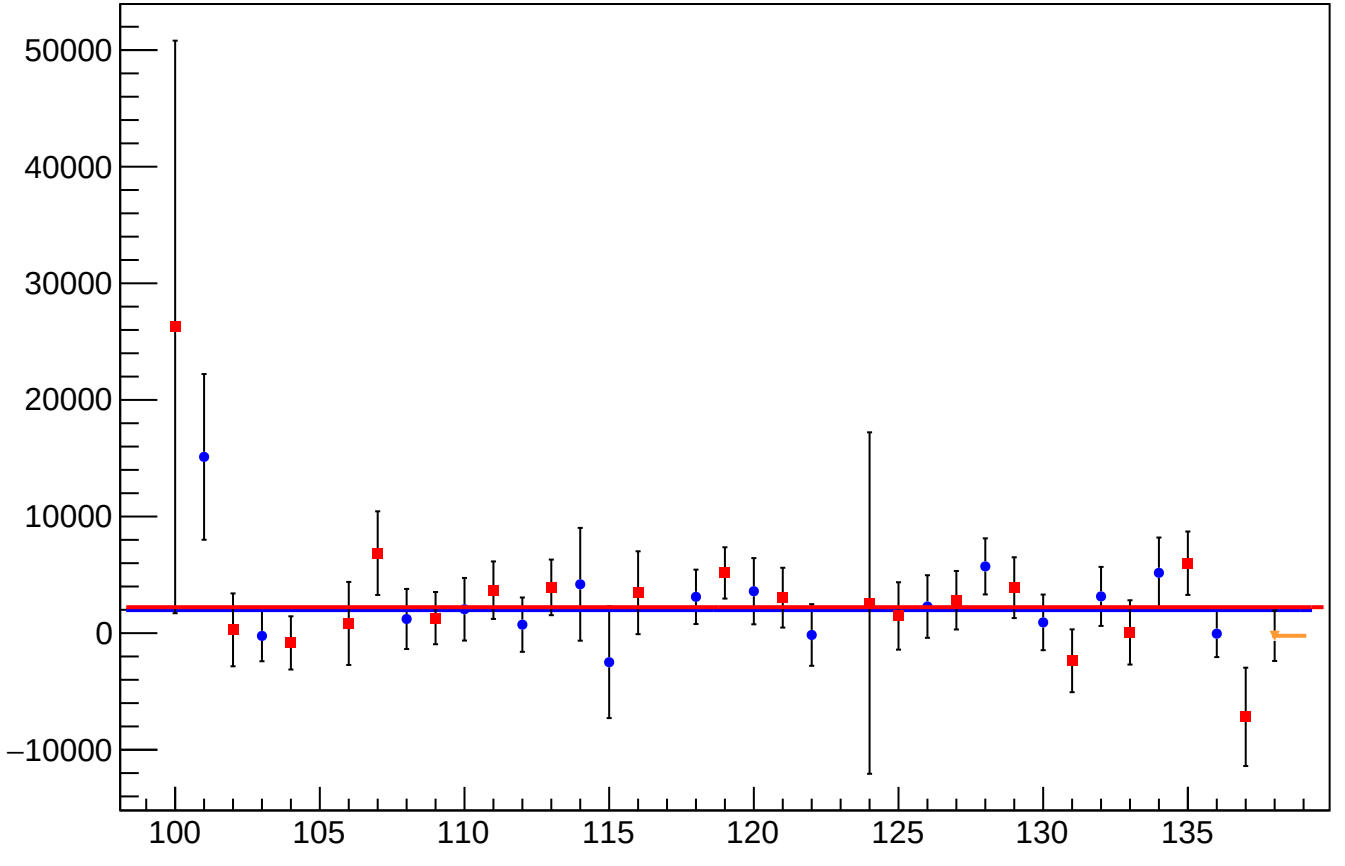
Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3045.917+/-0.830 χ^2/NDF:907385.5/15

Out: 1503.125+/-0.510 χ^2/NDF:7584270.0/19

All: 1925.049+/-0.434 χ^2/NDF: 10999059.4/3

cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: -225.480+/-2159.061 χ^2/NDF:0.0/0

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

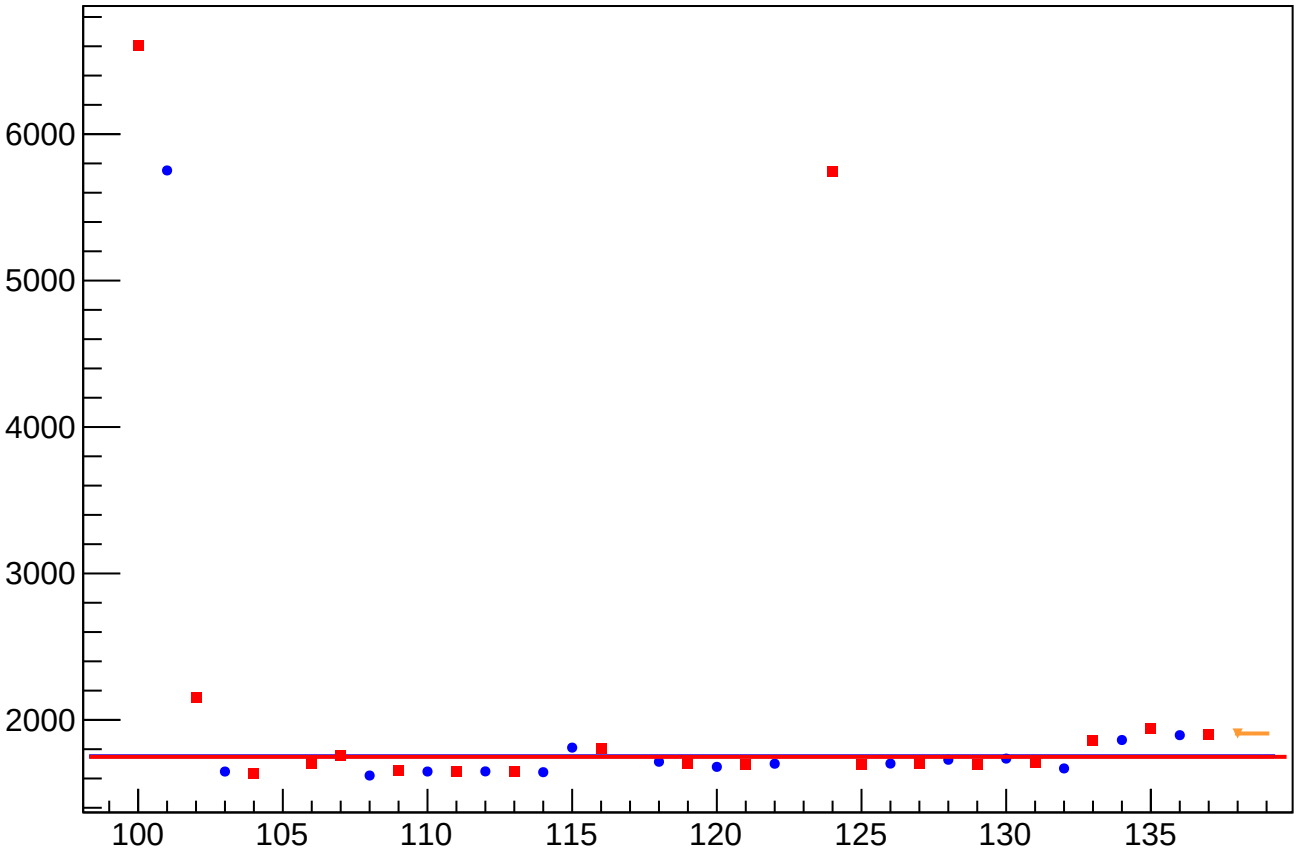
Left: -225.480+/-2159.061 χ^2/NDF: 0.0/0

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 1975.946+/-667.710 χ^2/NDF:12.1/15

Out: 2018.894+/-627.918 χ^2/NDF:20.2/19

All: 1998.738+/-457.426 χ^2/NDF: 32.3/35



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1907.303+/-1.527 χ^2/NDF:0.0/0

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1907.303+/-1.527 χ^2/NDF: 0.0/0

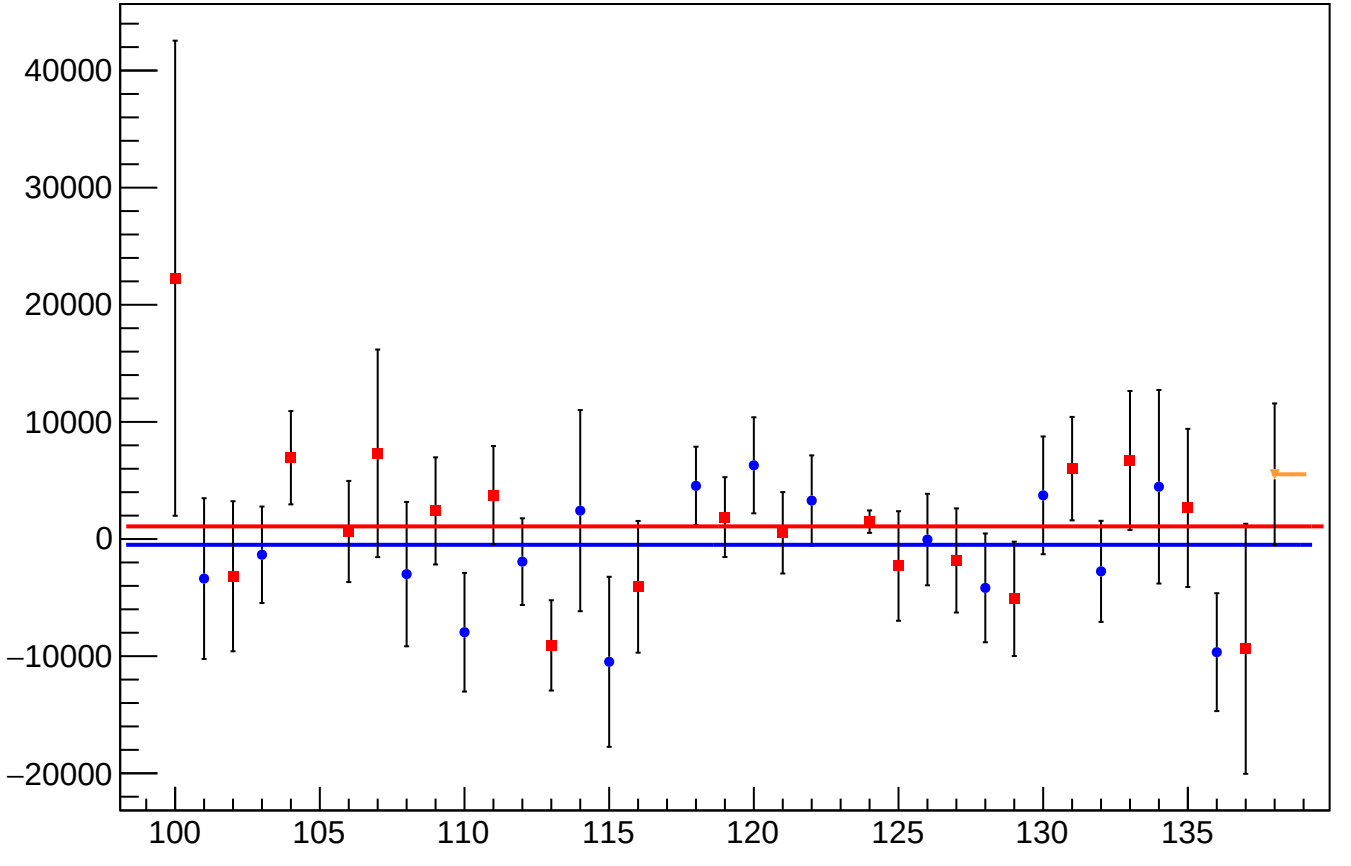
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1751.606+/-0.472 χ^2/NDF:670651.6/15

Out: 1761.186+/-0.442 χ^2/NDF:307917.8/19

All: 1756.707+/-0.323 χ^2/NDF: 978788.5/35

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: 5529.806+/-6046.730 χ^2/NDF:0.0/0

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

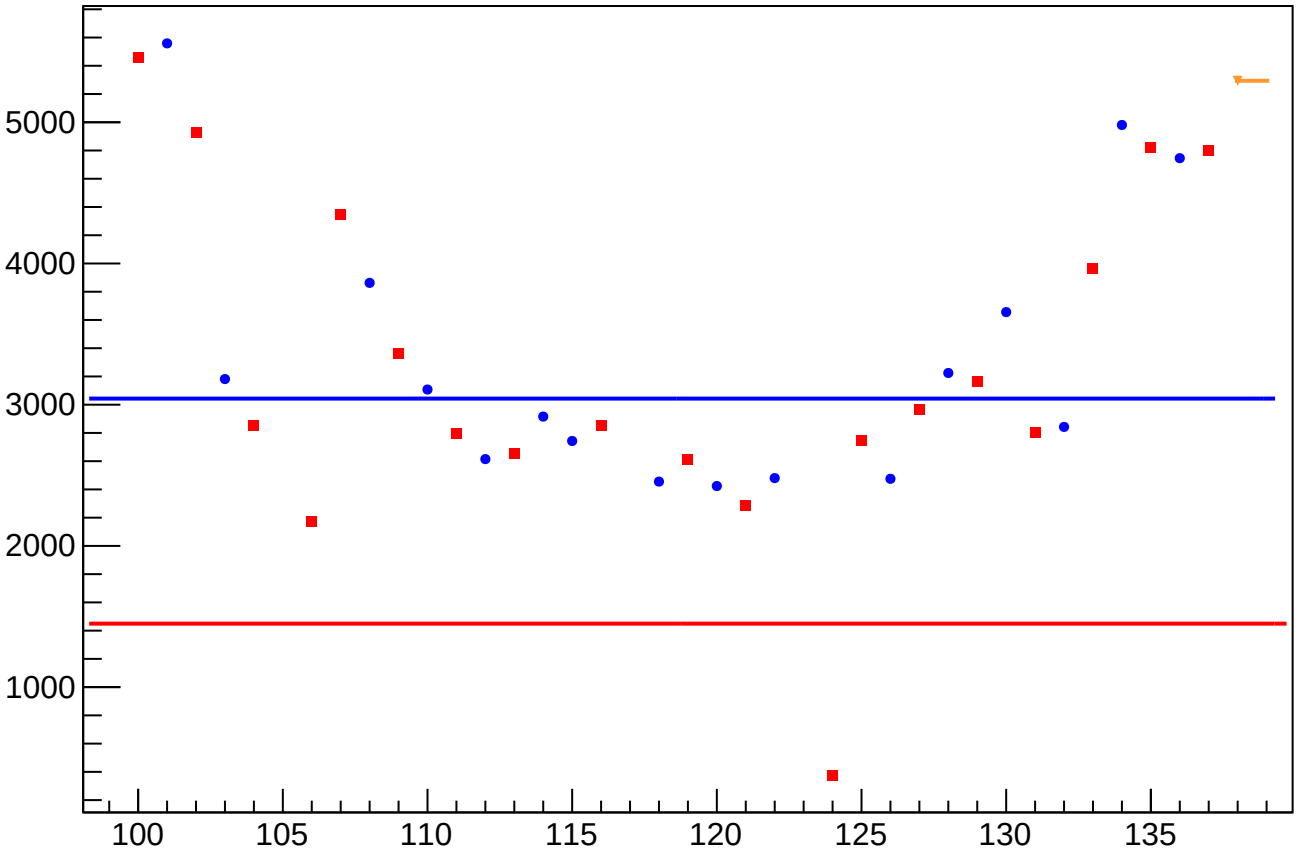
Left: 5529.806+/-6046.730 χ^2/NDF: 0.0/0

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -492.916+/-1173.239 χ^2/NDF:16.0/15

Out: 1145.086+/-726.164 χ^2/NDF:19.0/19

All: 691.393+/-617.462 χ^2/NDF: 36.4/35



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 5293.851+/-4.276 χ^2/NDF:0.0/0

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

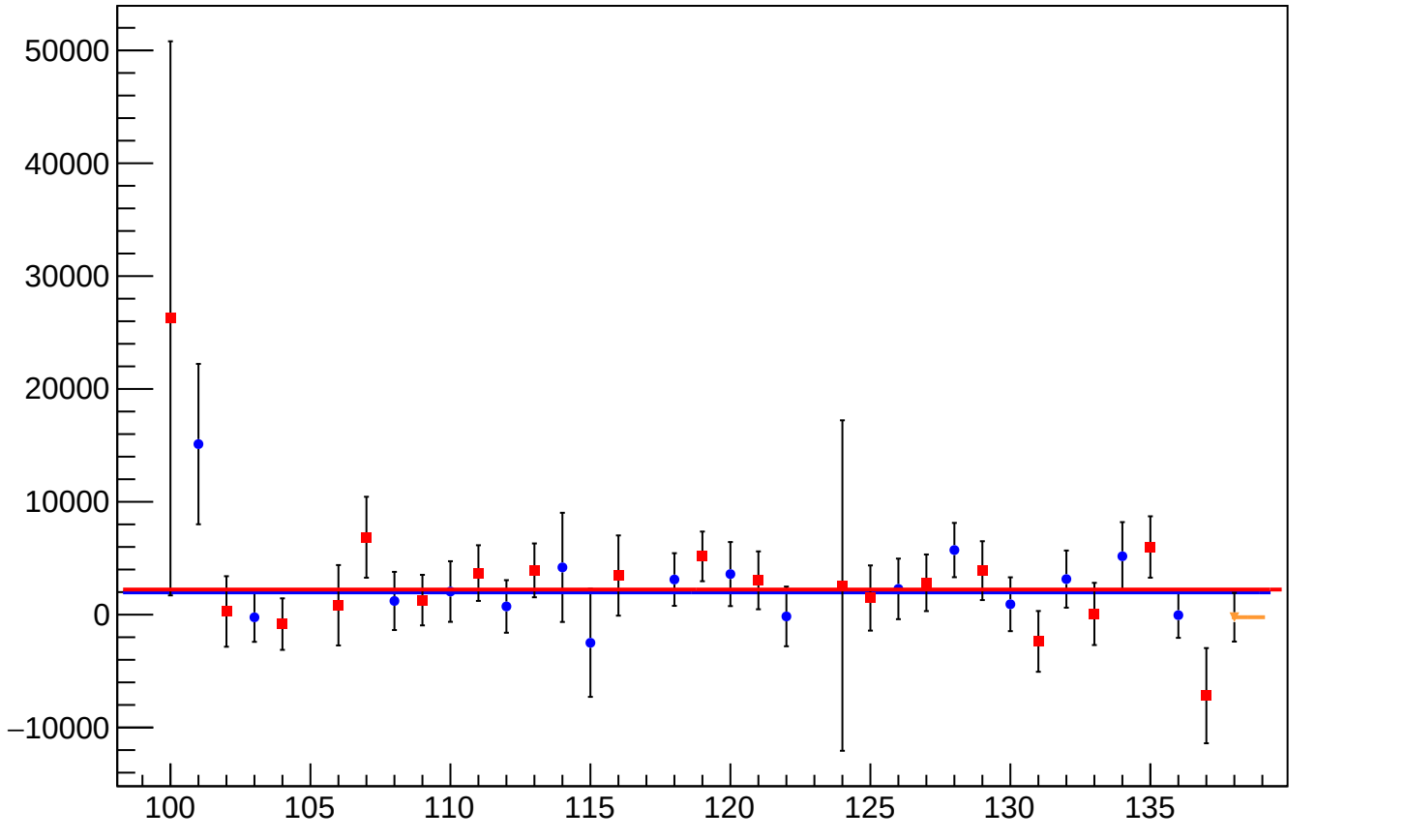
Left: 5293.851+/-4.276 χ^2/NDF: 0.0/0

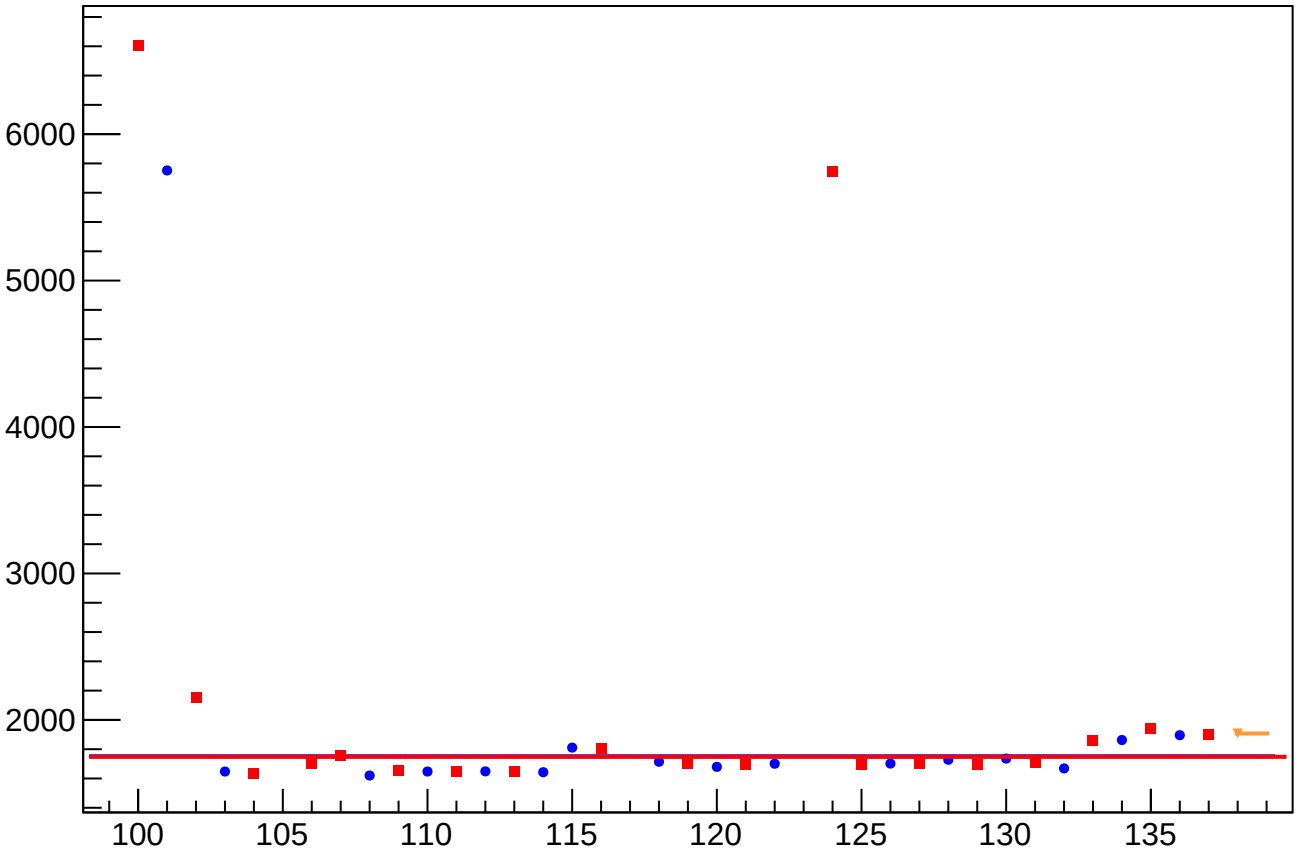
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3043.270+/-0.830 χ^2/NDF:905659.7/15

Out: 1504.959+/-0.513 χ^2/NDF:7622466.8/19

All: 1931.040+/-0.437 χ^2/NDF: 11014096.2/3


eigen_cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
Right In: 1975.946+/-667.710 χ²/NDF: 12.1/15
Left Out: -225.480+/-2159.061 χ²/NDF:0.0/0
Right Out: 2226.267+/-656.286 χ²/NDF: 19.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -225.480+/-2159.061 χ²/NDF: 0.0/0
Right: 2103.266+/-468.051 χ²/NDF: 31.1/34
In: 1975.946+/-667.710 χ²/NDF:12.1/15
Out: 2018.894+/-627.918 χ²/NDF:20.2/19
All: 1998.738+/-457.426 χ²/NDF: 32.3/35



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1907.303+/-1.527 χ^2/NDF:0.0/0

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

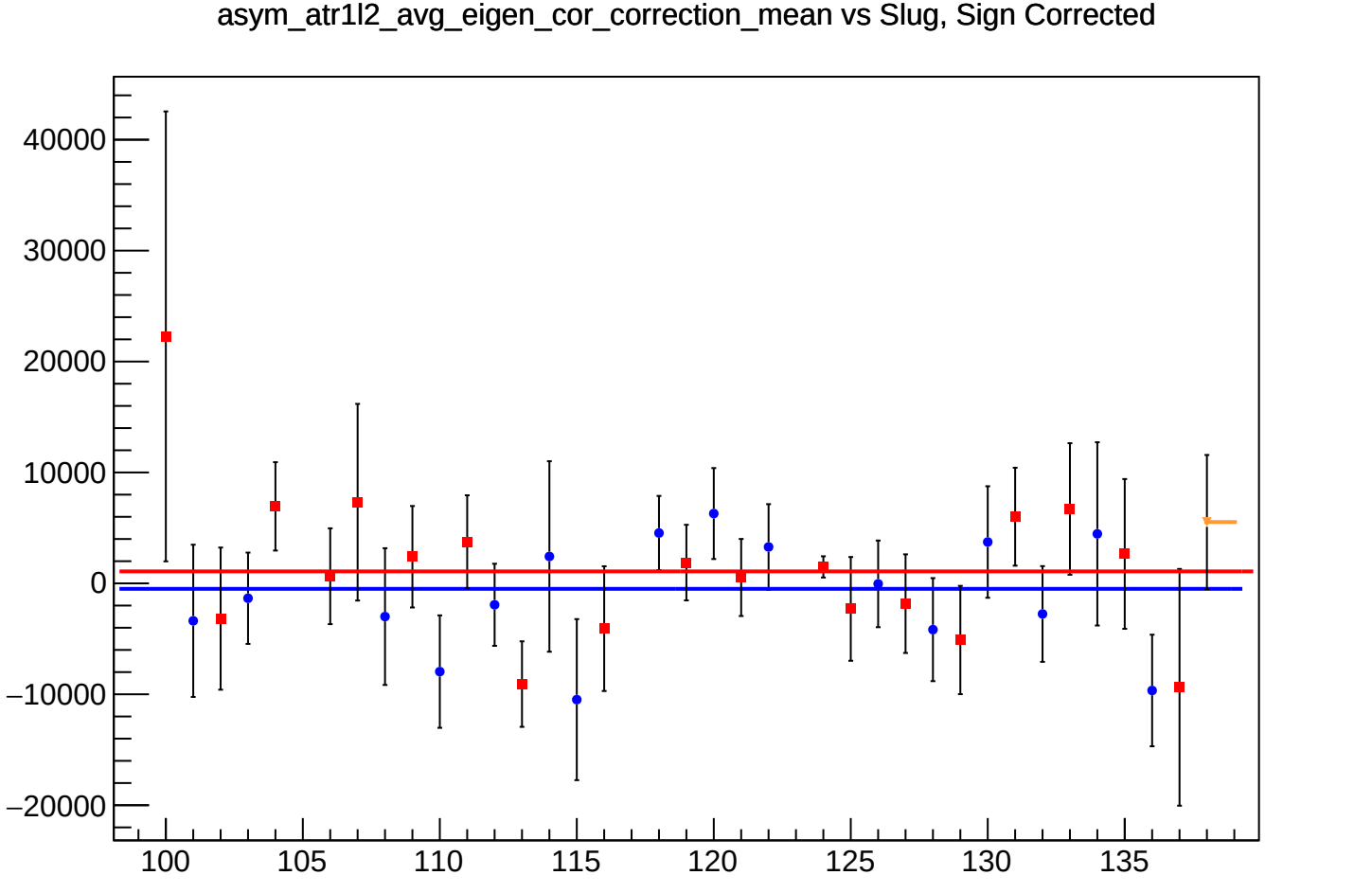
Left: 1907.303+/-1.527 χ^2/NDF: 0.0/0

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

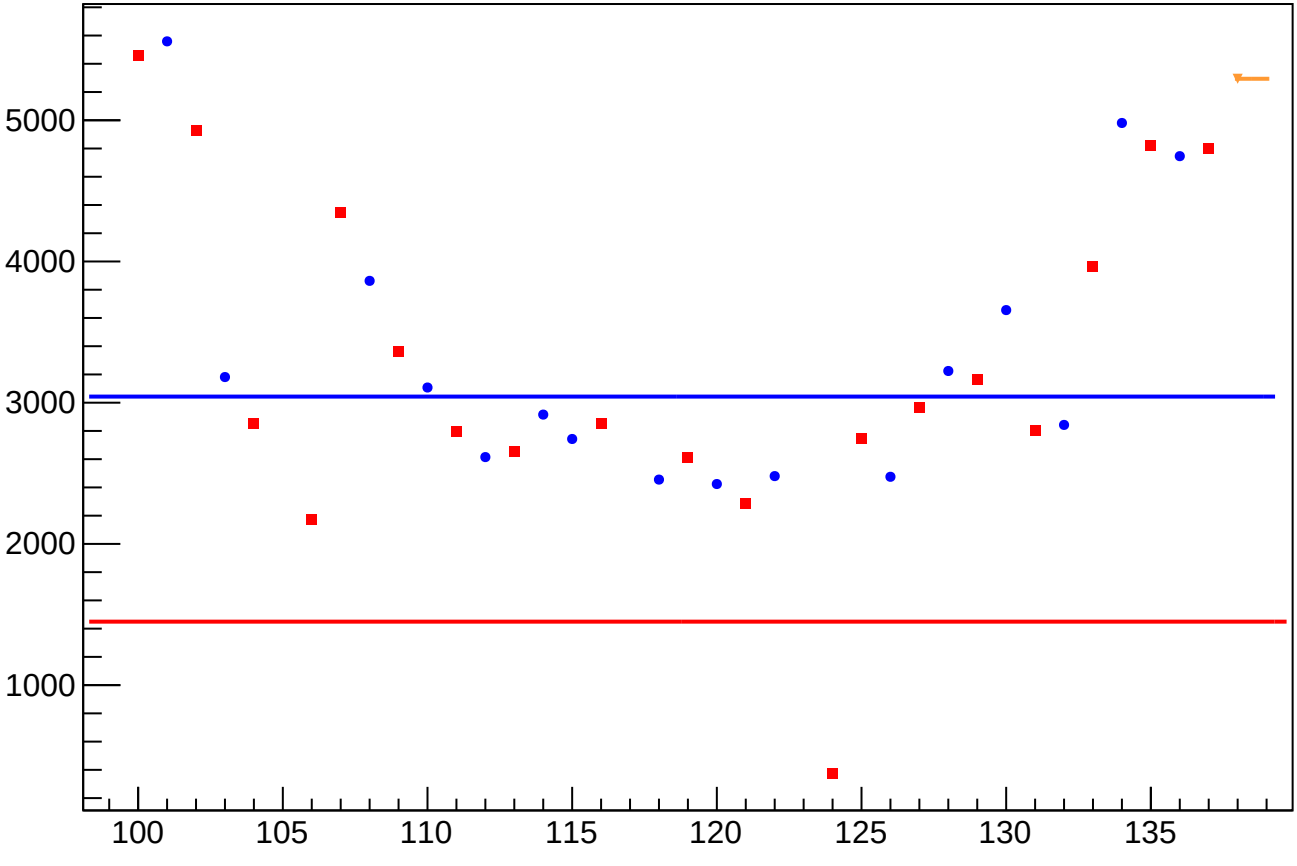
In: 1751.606+/-0.472 χ^2/NDF:670651.6/15

Out: 1761.186+/-0.442 χ^2/NDF:307917.8/19

All: 1756.707+/-0.323 χ^2/NDF: 978788.5/35


asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
Right In: -492.916+/-1173.239 χ²/NDF: 16.0/15
Left Out: 5529.806+/-6046.730 χ²/NDF:0.0/0
Right Out: 1080.924+/-731.458 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 5529.806+/-6046.730 χ²/NDF: 0.0/0
Right: 640.409+/-620.707 χ²/NDF: 35.7/34
In: -492.916+/-1173.239 χ²/NDF:16.0/15
Out: 1145.086+/-726.164 χ²/NDF:19.0/19
All: 691.393+/-617.462 χ²/NDF: 36.4/35

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 5293.851+/-4.276 χ^2/NDF:0.0/0

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

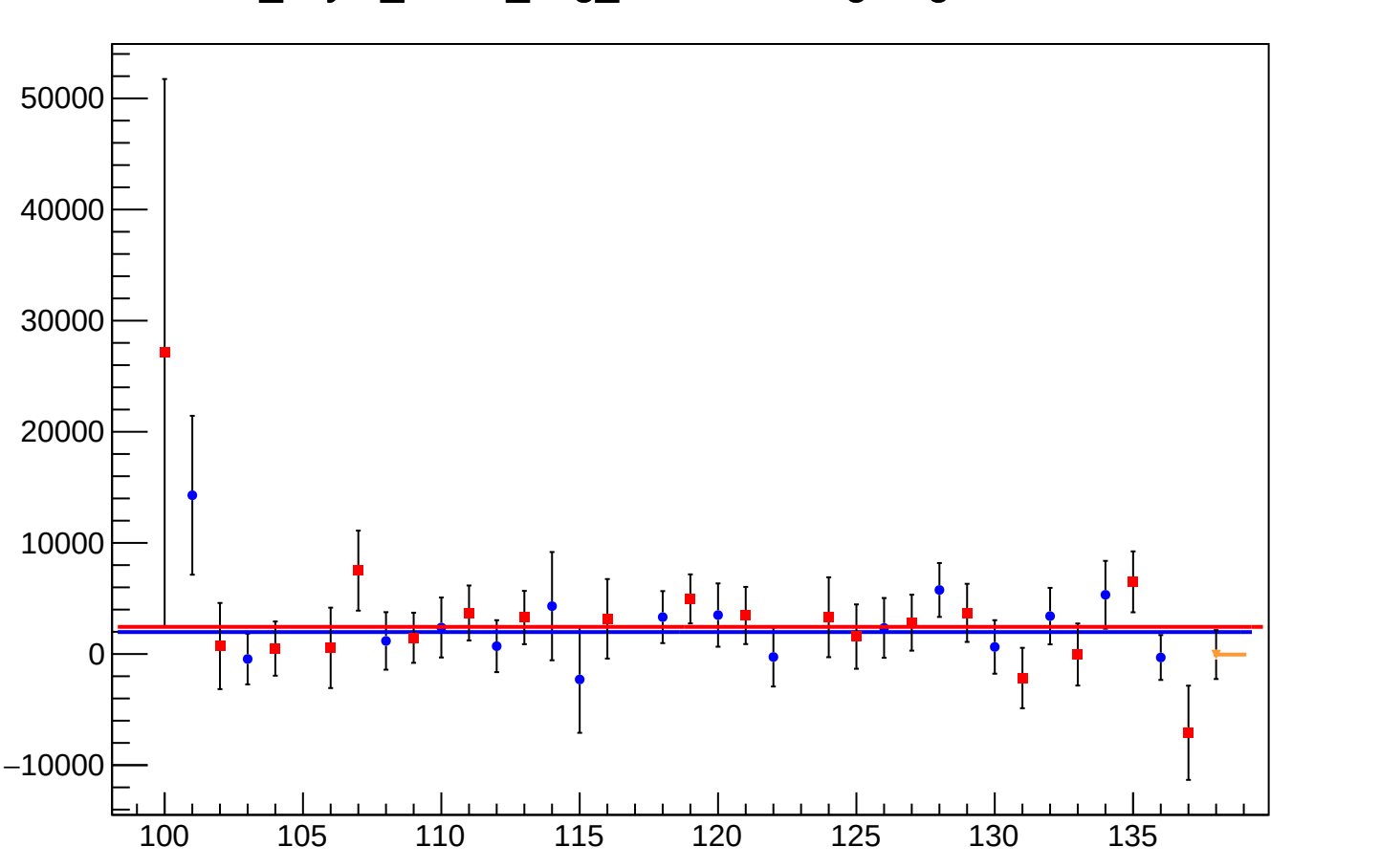
Left: 5293.851+/-4.276 χ^2/NDF: 0.0/0

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3043.270+/-0.830 χ^2/NDF:905659.7/15

Out: 1504.959+/-0.513 χ^2/NDF:7622466.8/19

All: 1931.040+/-0.437 χ^2/NDF: 11014096.2/3



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: -50.777+/-2197.442 χ^2/NDF:0.0/0

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

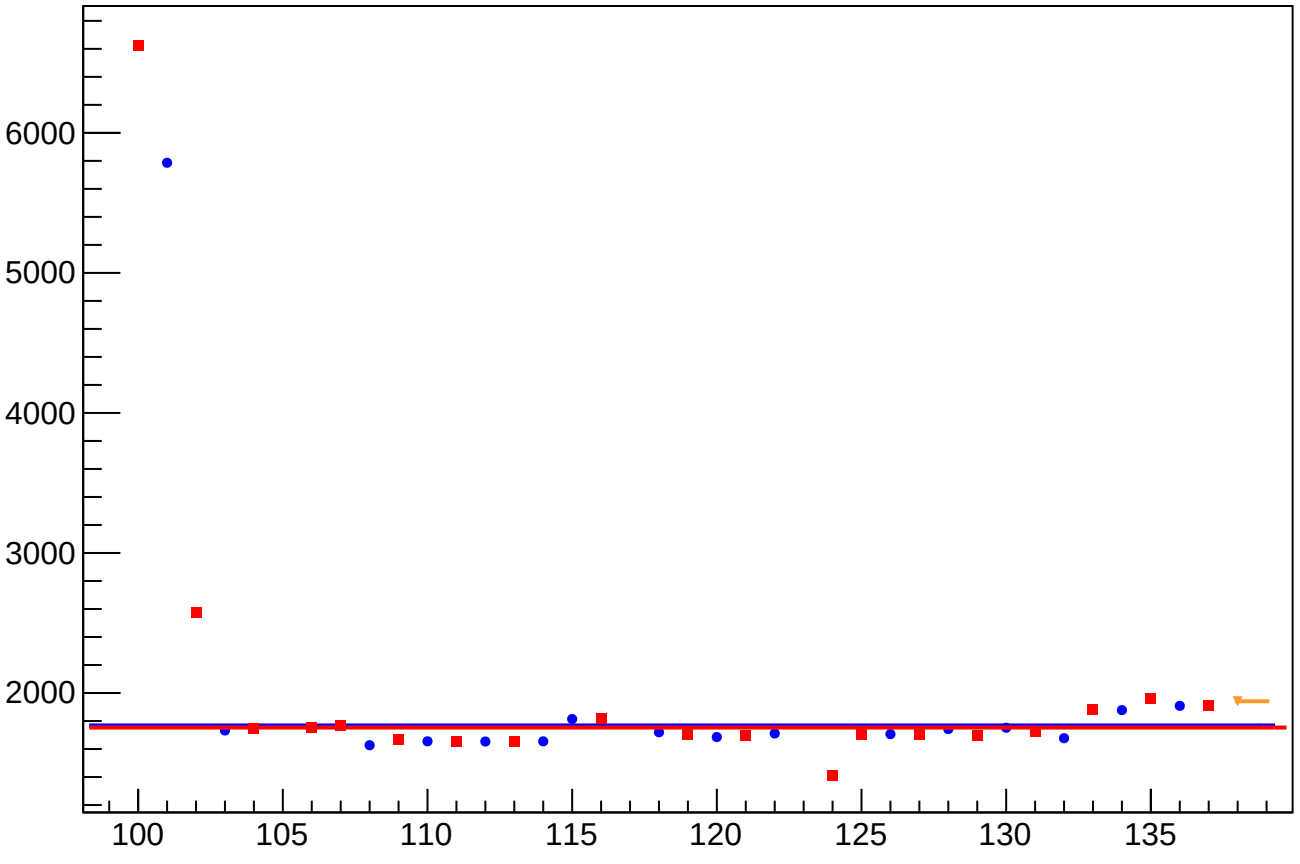
Left: -50.777+/-2197.442 χ^2/NDF: 0.0/0

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 1975.804+/-674.086 χ^2/NDF:12.4/15

Out: 2239.080+/-630.068 χ^2/NDF:18.7/19

All: 2116.318+/-460.301 χ^2/NDF: 31.2/35



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1941.089+/-1.554 χ^2/NDF:0.0/0

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

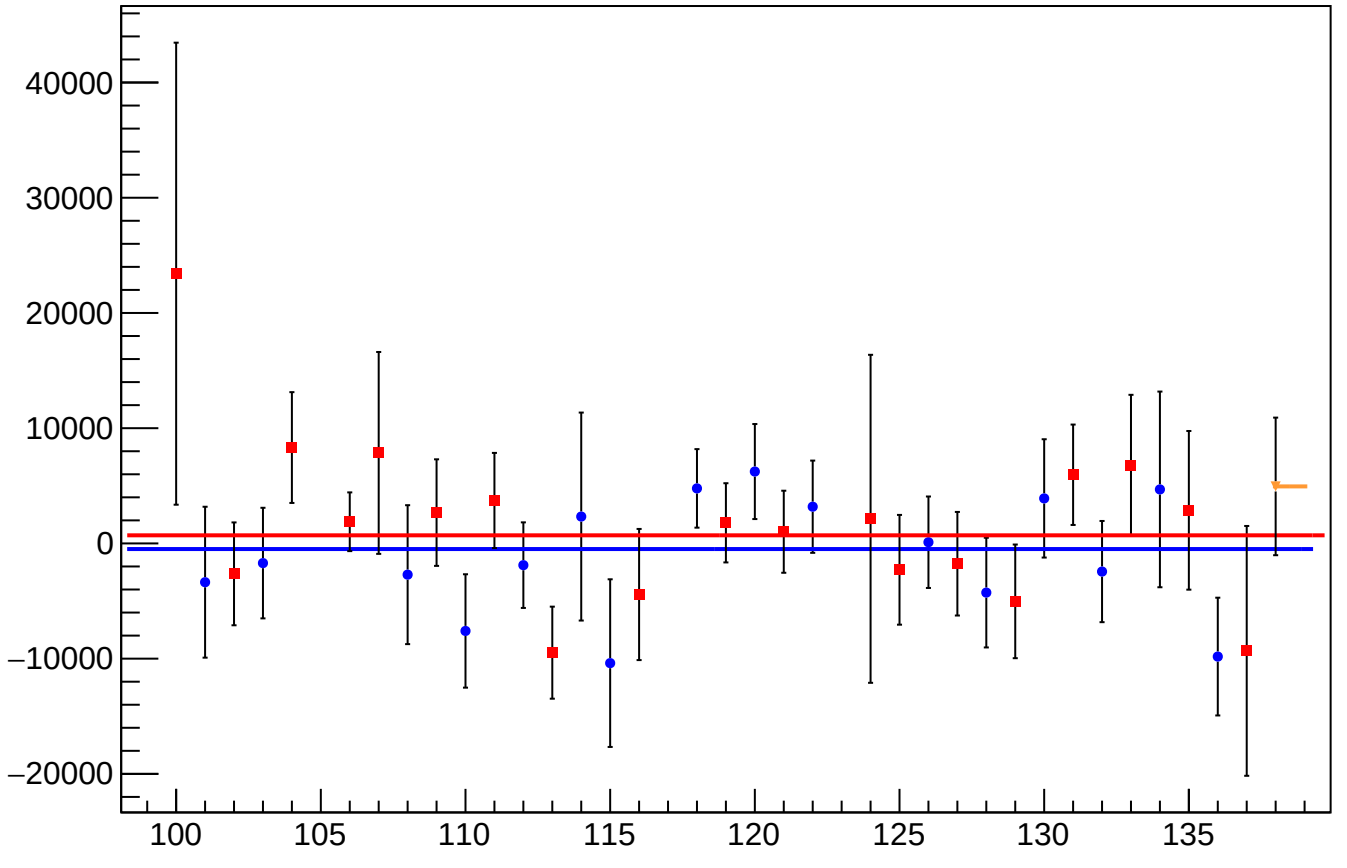
Left: 1941.089+/-1.554 χ^2/NDF: 0.0/0

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1768.480+/-0.477 χ^2/NDF:667367.4/15

Out: 1768.739+/-0.444 χ^2/NDF:232263.8/19

All: 1768.619+/-0.325 χ^2/NDF: 899631.3/35



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 4947.536+/-5970.361 χ^2/NDF:0.0/0

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

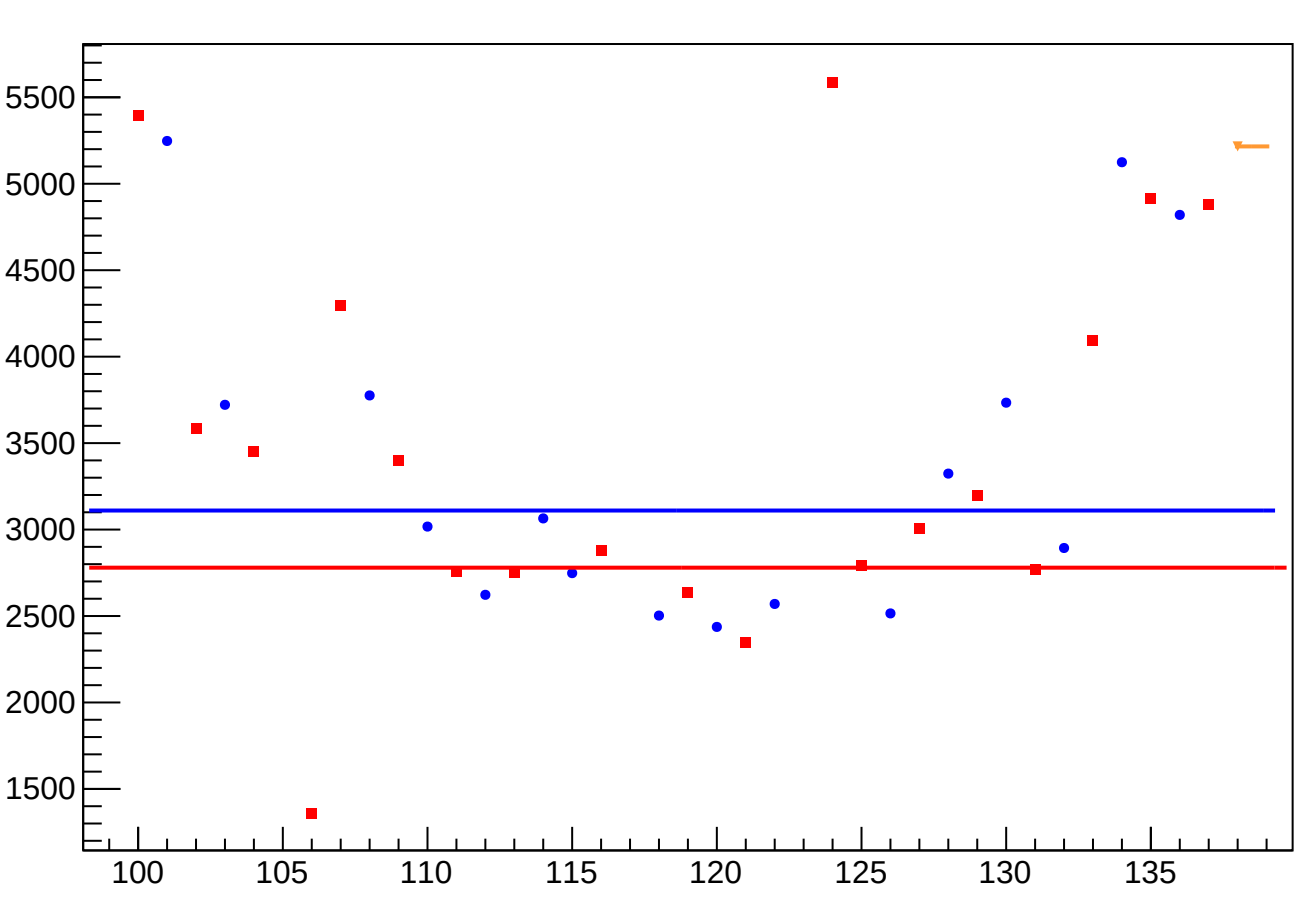
Left: 4947.536+/-5970.361 χ^2/NDF: 0.0/0

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -488.104+/-1198.506 χ^2/NDF:15.8/15

Out: 835.275+/-1052.711 χ^2/NDF:19.3/19

All: 258.933+/-790.930 χ^2/NDF: 35.8/35



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 5215.945+/-4.222 χ^2/NDF:0.0/0

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

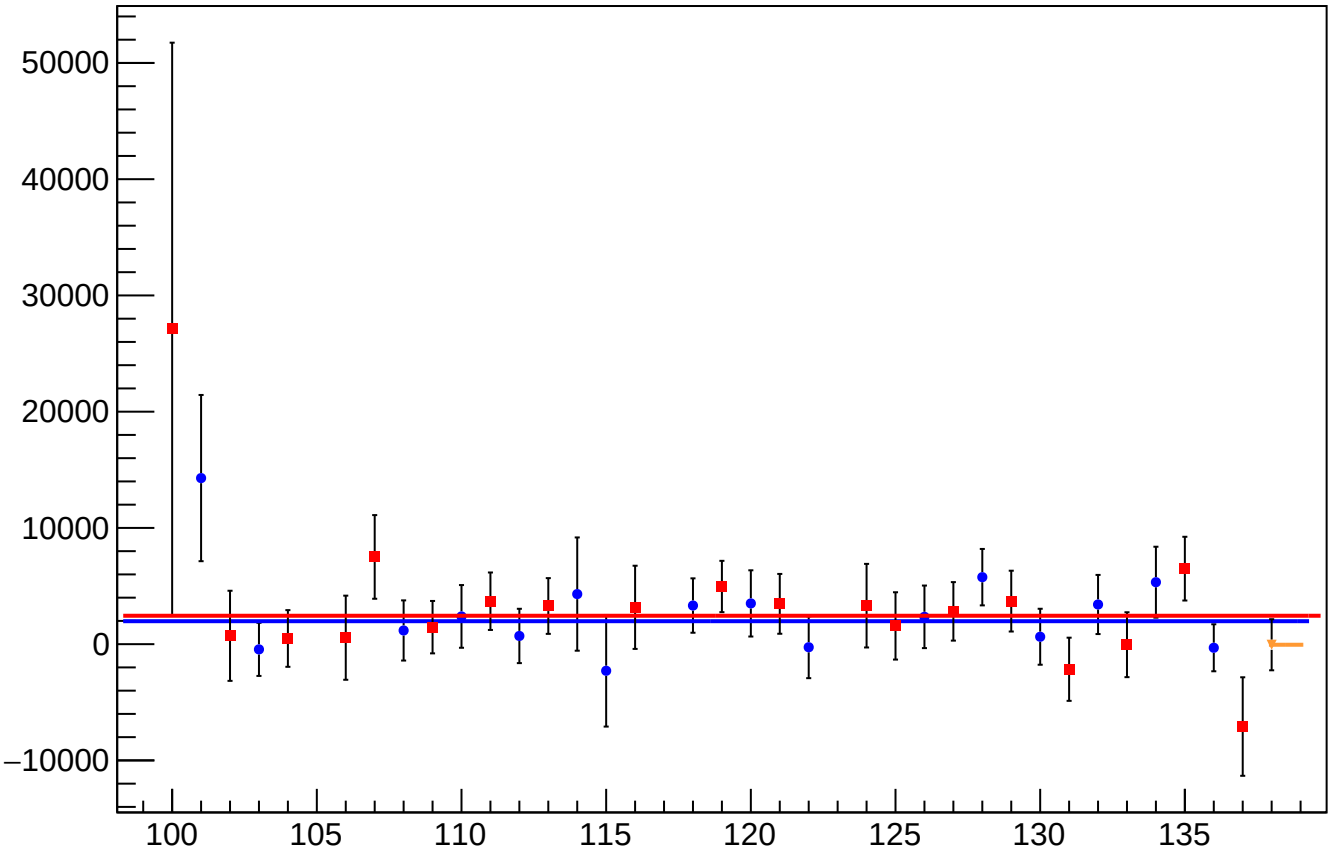
Left: 5215.945+/-4.222 χ^2/NDF: 0.0/0

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3110.133+/-0.847 χ^2/NDF:883262.4/15

Out: 2855.374+/-0.744 χ^2/NDF:1670826.9/19

All: 2966.324+/-0.559 χ^2/NDF: 2605100.3/35



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: -50.746+/-2197.442 χ^2/NDF:0.0/0

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

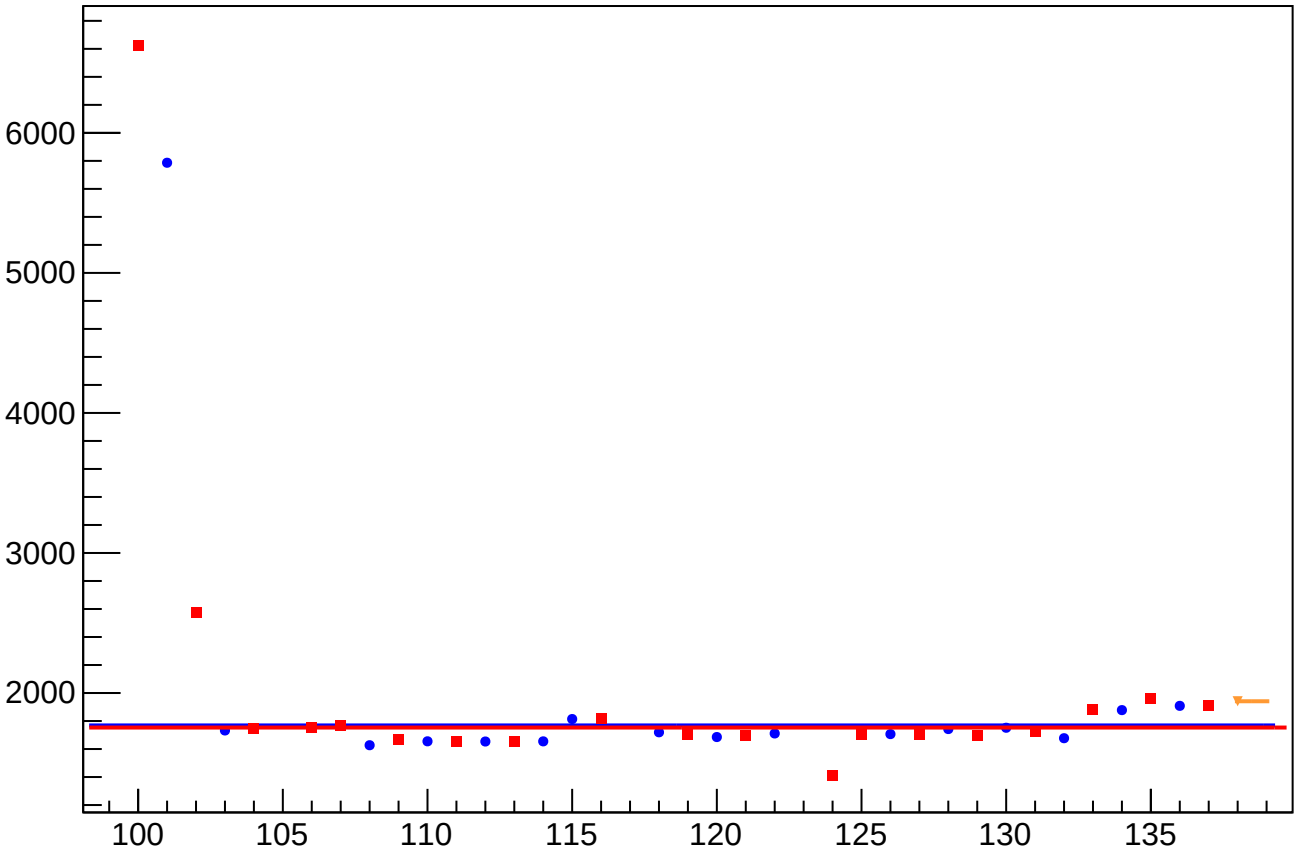
Left: -50.746+/-2197.442 χ^2/NDF: 0.0/0

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 1975.805+/-674.086 χ^2/NDF:12.4/15

Out: 2239.083+/-630.068 χ^2/NDF:18.7/19

All: 2116.320+/-460.301 χ^2/NDF: 31.2/35



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1941.089+/-1.554 χ^2/NDF:0.0/0

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1941.089+/-1.554 χ^2/NDF: 0.0/0

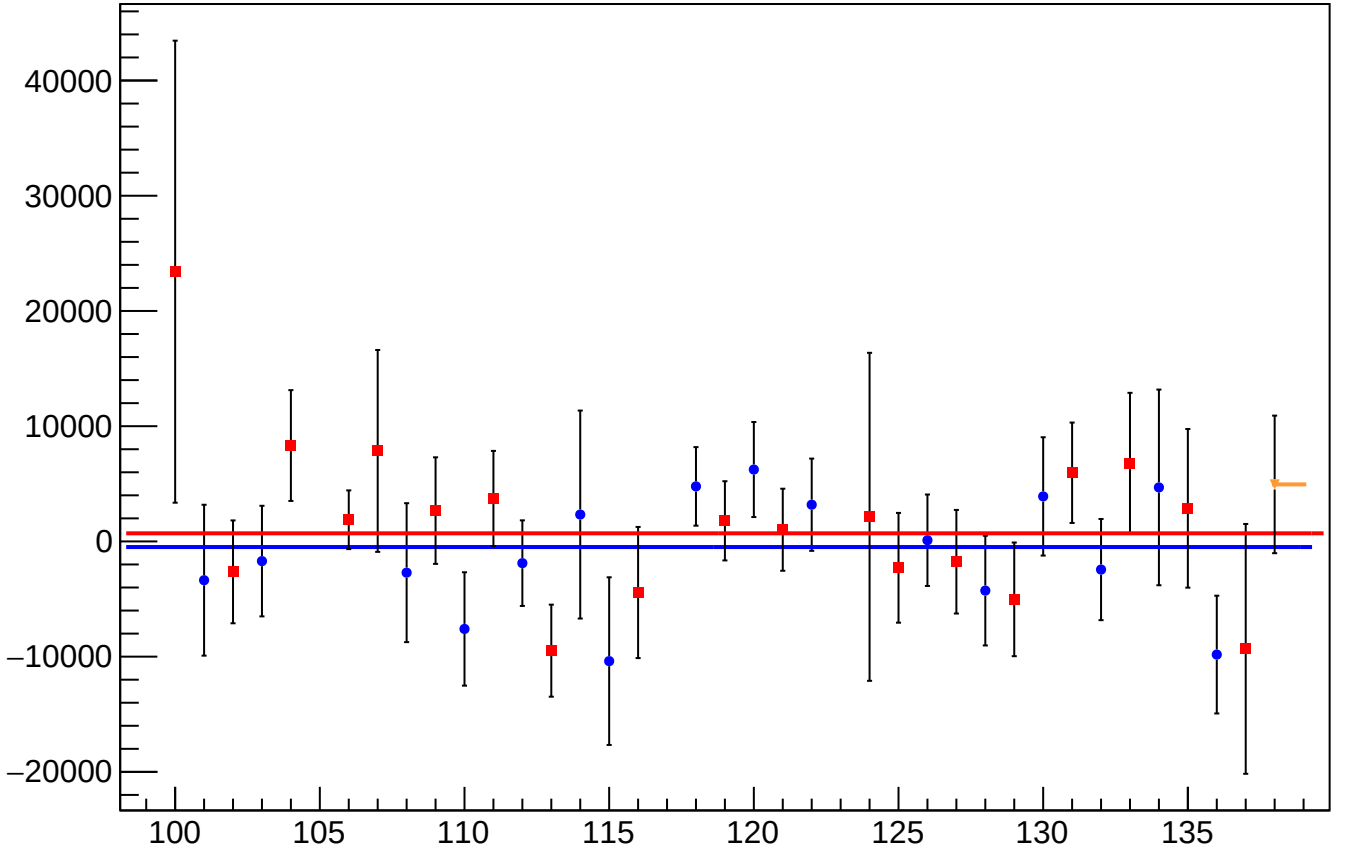
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1768.480+/-0.477 χ^2/NDF:667367.4/15

Out: 1768.739+/-0.444 χ^2/NDF:232263.8/19

All: 1768.619+/-0.325 χ^2/NDF: 899631.3/35

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: 4947.564+/-5970.381 χ^2/NDF:0.0/0

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

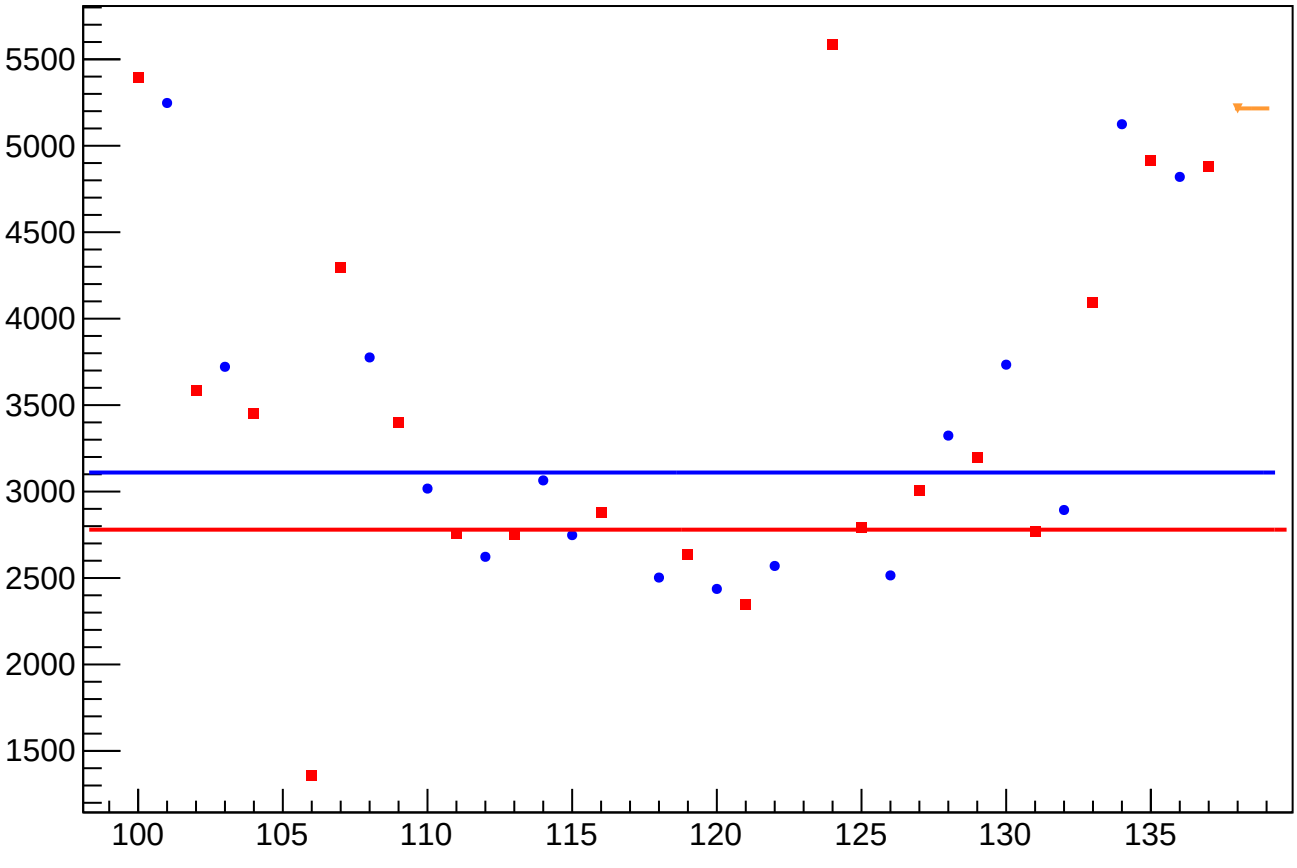
Left: 4947.564+/-5970.381 χ^2/NDF: 0.0/0

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -488.098+/-1198.502 χ^2/NDF:15.8/15

Out: 835.276+/-1052.707 χ^2/NDF:19.3/19

All: 258.936+/-790.927 χ^2/NDF: 35.8/35



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 5215.962+/-4.222 χ^2/NDF:0.0/0

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

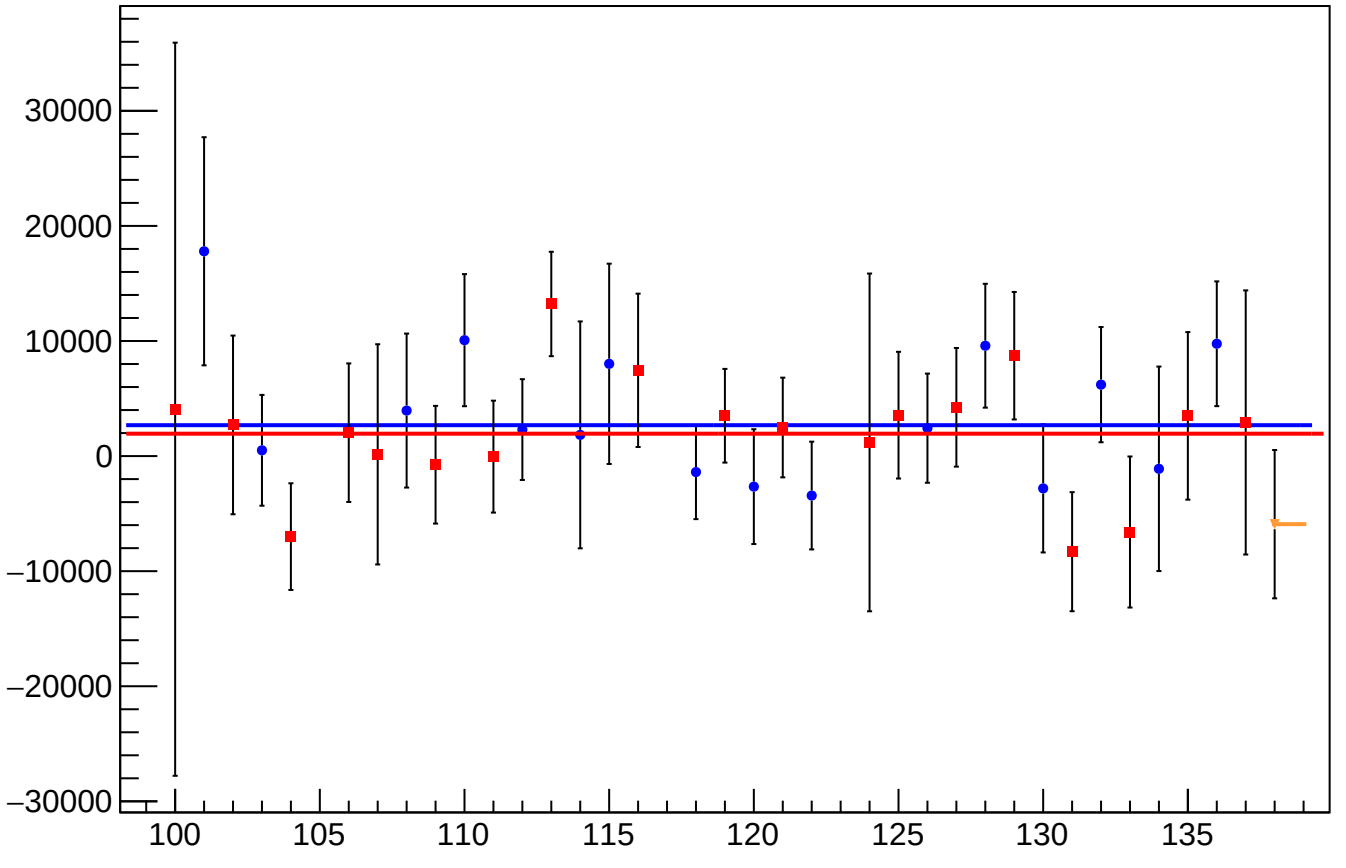
Left: 5215.962+/-4.222 χ^2/NDF: 0.0/0

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3110.121+/-0.847 χ^2/NDF:883272.2/15

Out: 2855.361+/-0.744 χ^2/NDF:1670852.0/19

All: 2966.311+/-0.559 χ^2/NDF: 2605136.3/35



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: -5916.024+/-6445.294 χ^2/NDF:0.0/0

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

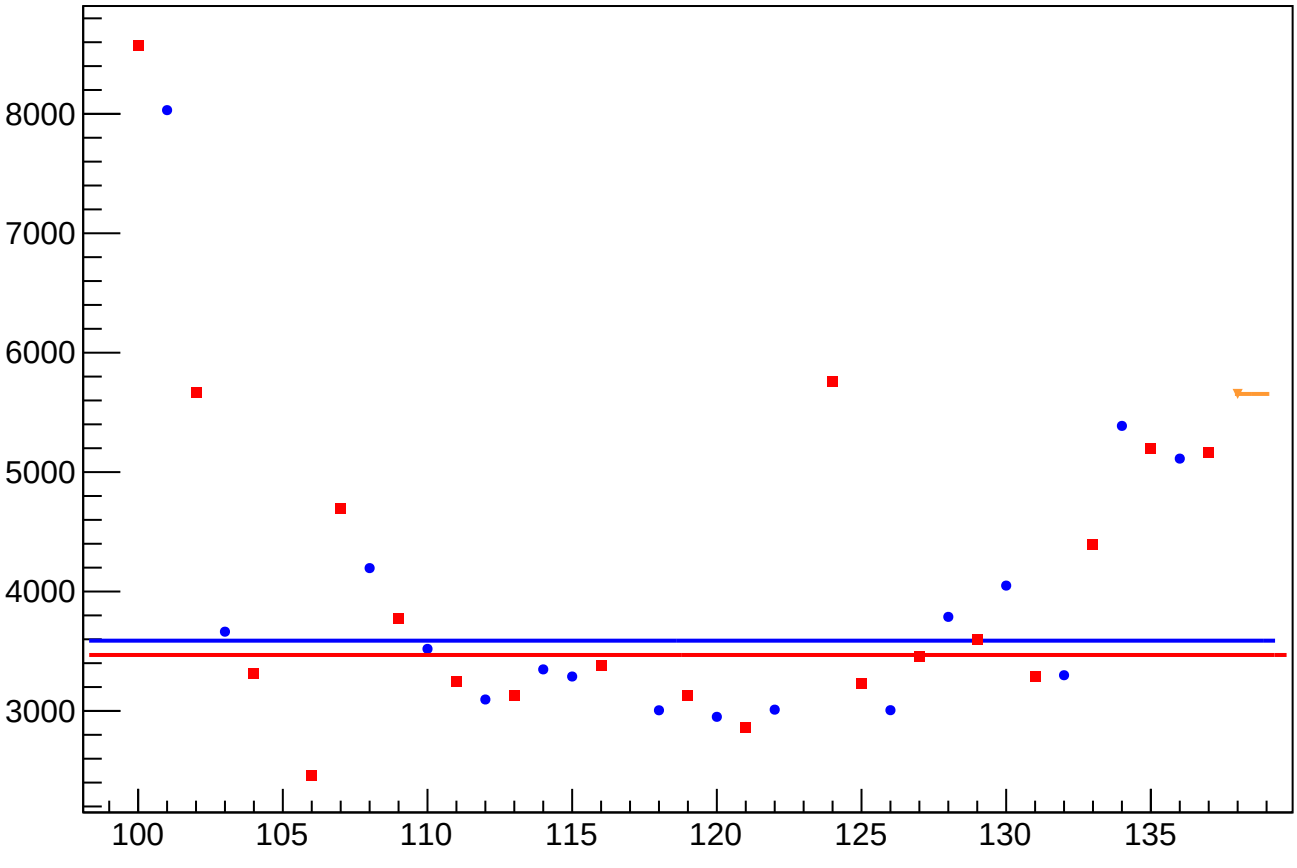
Left: -5916.024+/-6445.294 χ^2/NDF: 0.0/0

Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2685.414+/-1379.907 χ^2/NDF:13.5/15

Out: 1623.212+/-1305.361 χ^2/NDF:20.1/19

All: 2124.849+/-948.289 χ^2/NDF: 33.9/35



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5654.609+/-4.558 χ^2/NDF:0.0/0

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

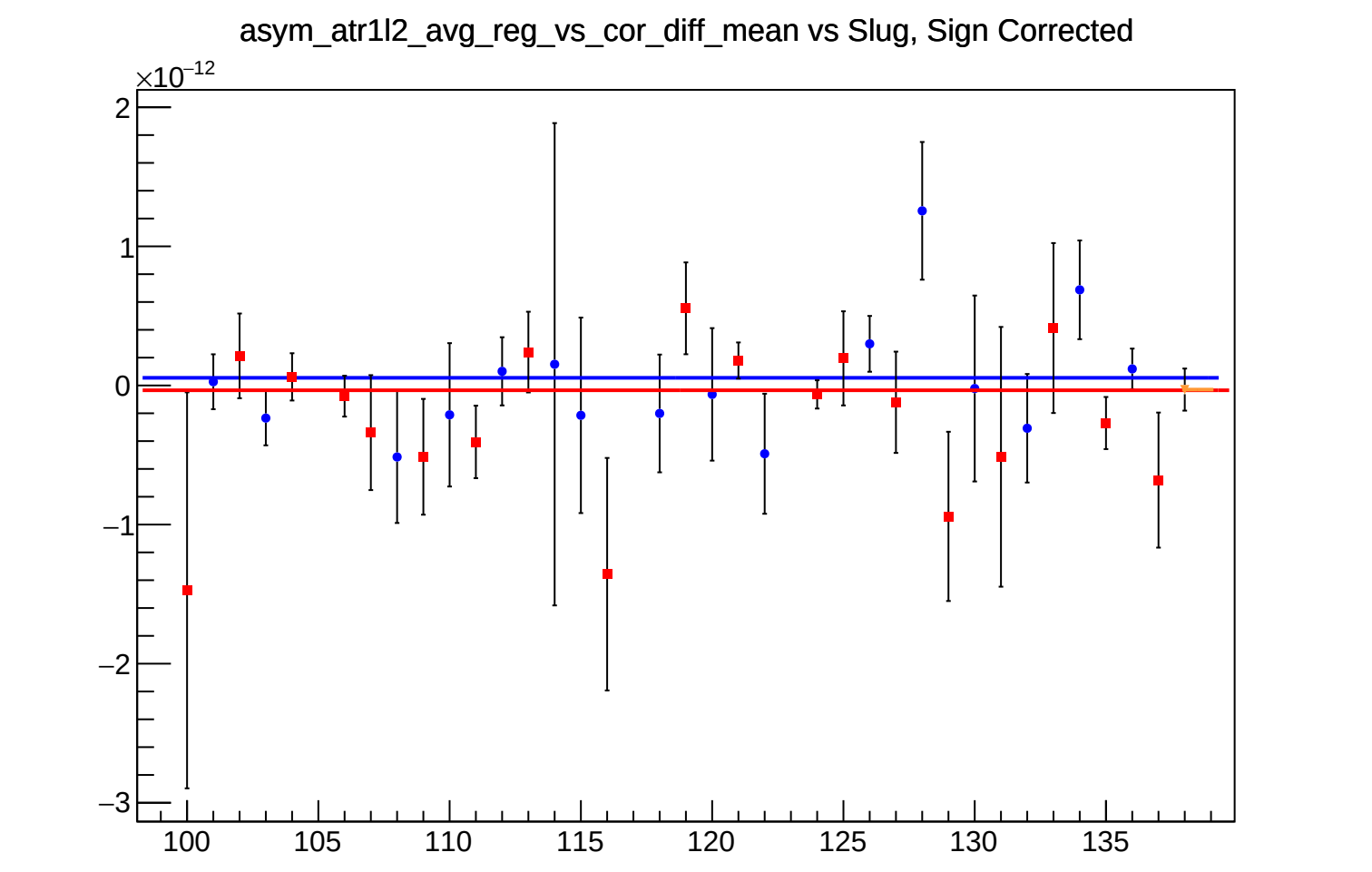
Left: 5654.609+/-4.558 χ^2/NDF: 0.0/0

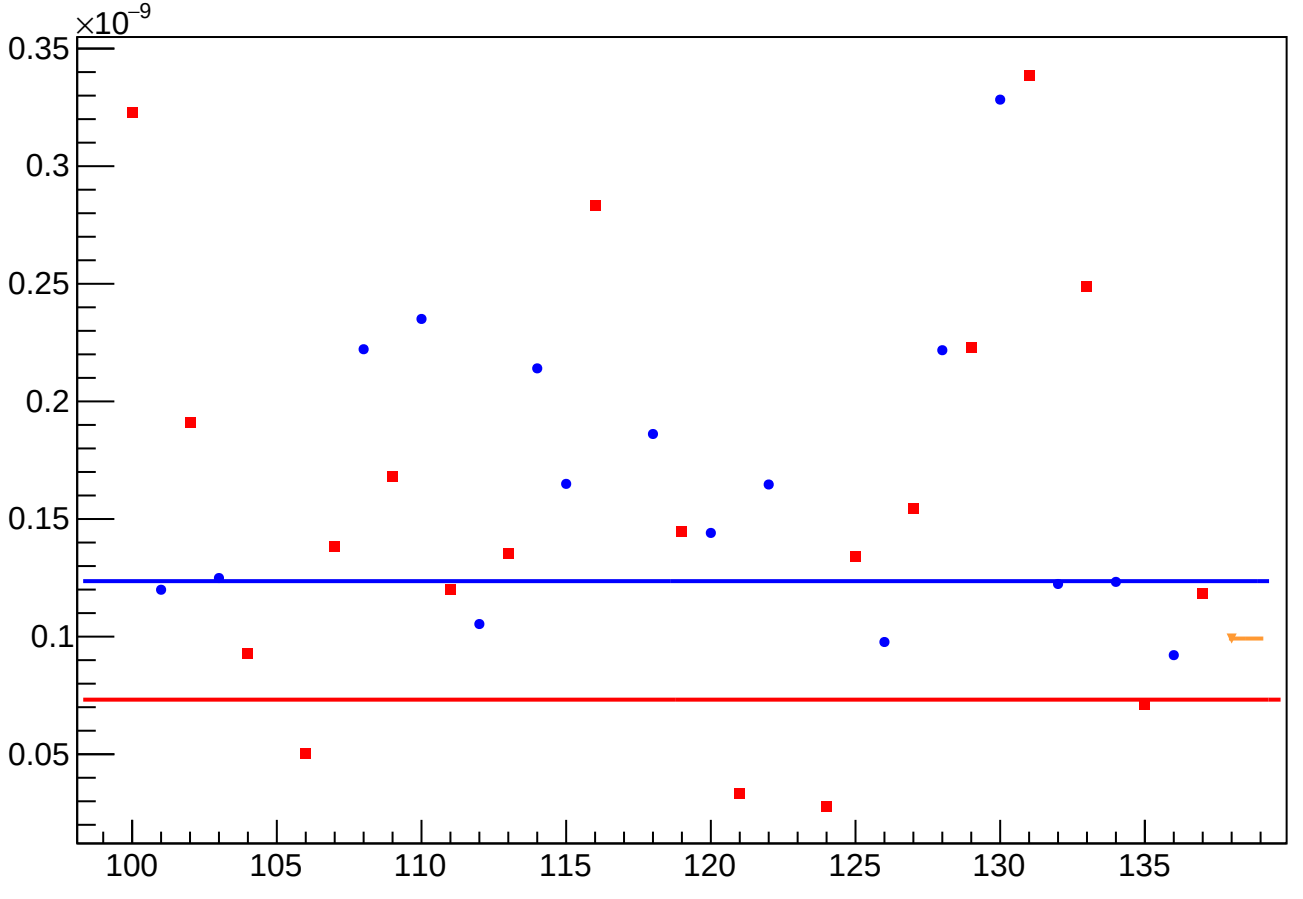
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 3588.430+/-0.976 χ^2/NDF:845218.6/15

Out: 3555.694+/-0.910 χ^2/NDF:887436.7/19

All: 3570.915+/-0.665 χ^2/NDF: 1733257.6/35


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
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: -0.000+/-0.000 χ²/NDF:0.0/0
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: 0.0/0
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:17.7/15
Out: -0.000+/-0.000 χ²/NDF:22.3/19
All: -0.000+/-0.000 χ²/NDF: 41.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

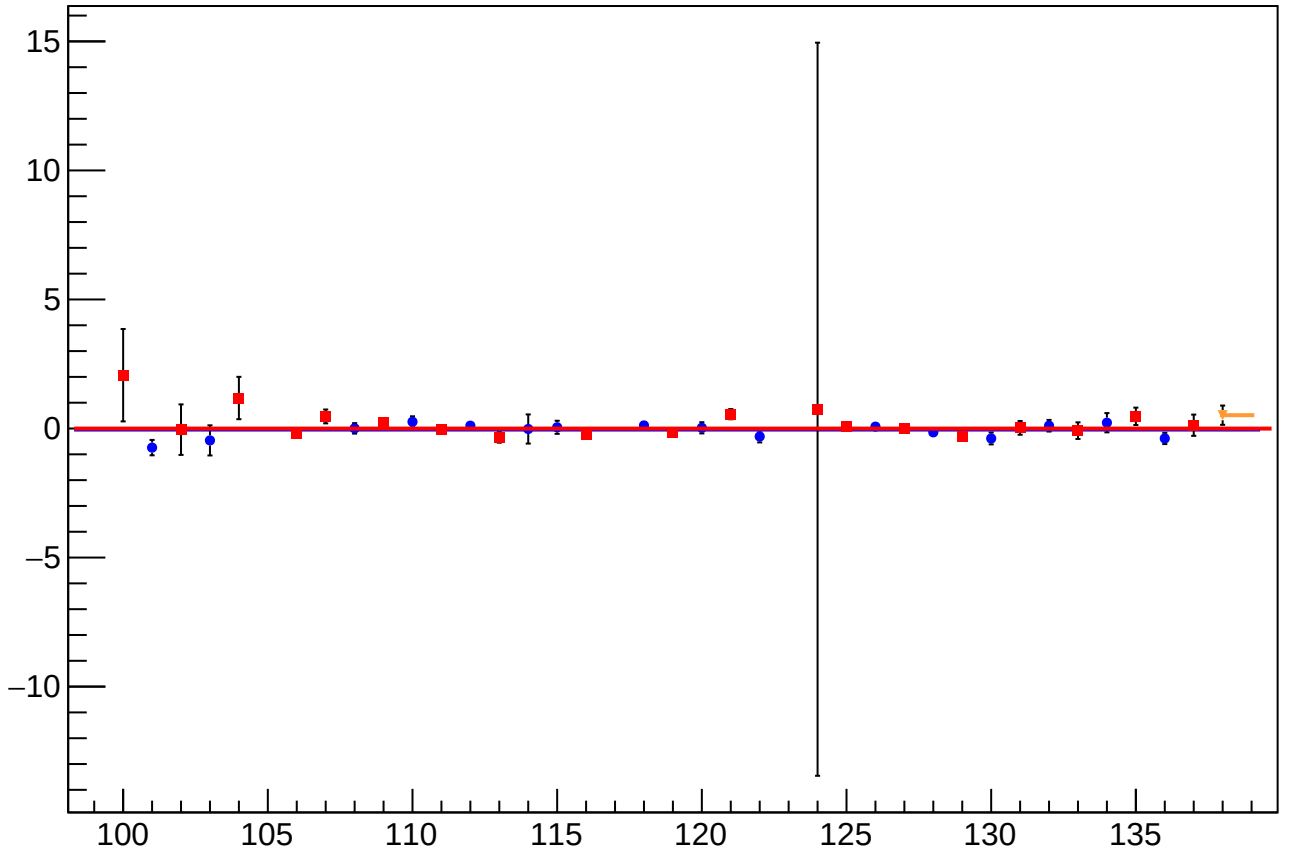
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:662149.2/15

Out: 0.000+/-0.000 χ^2/NDF:2241307.4/19

All: 0.000+/-0.000 χ^2/NDF: 3477211.5/35



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.517+/-0.373 χ^2/NDF:0.0/0

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

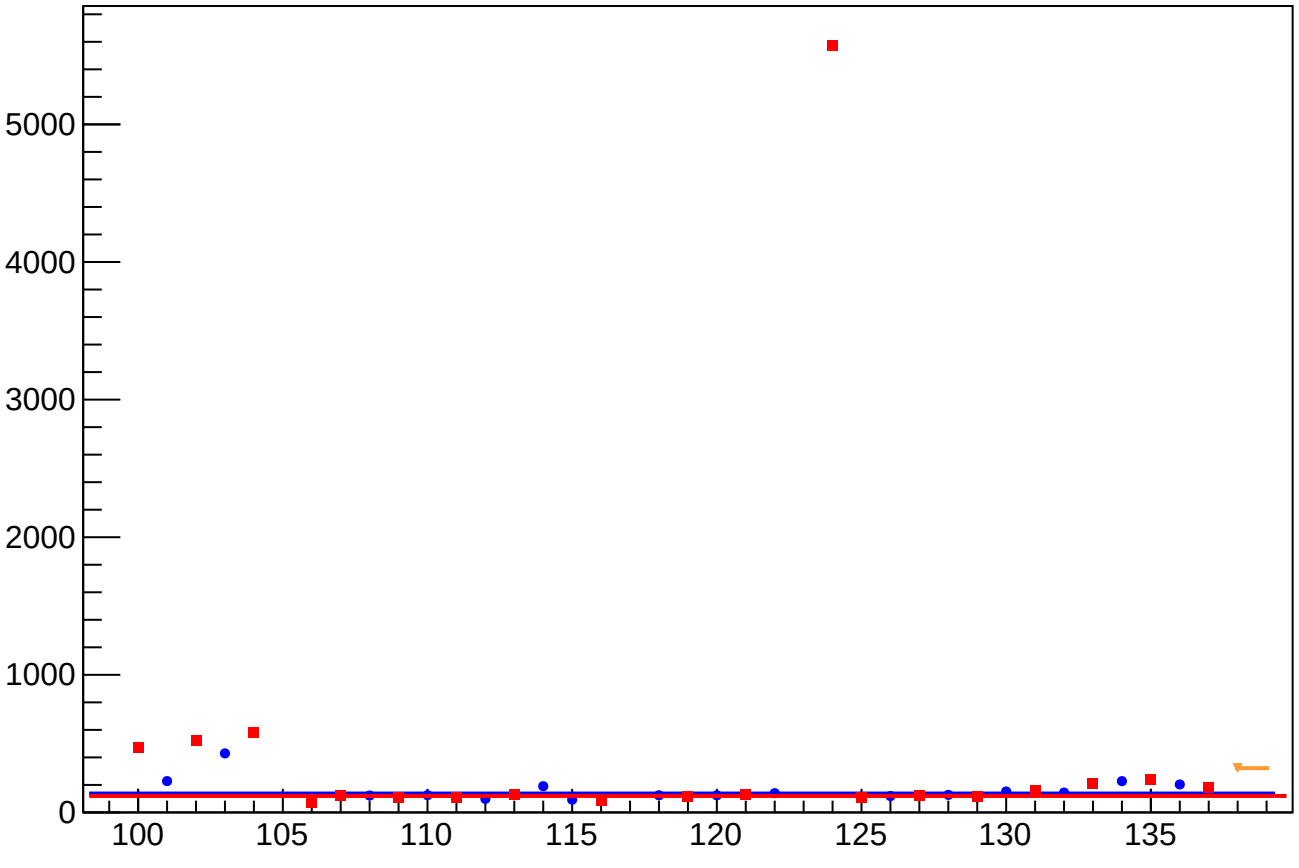
Left: 0.517+/-0.373 χ^2/NDF: 0.0/0

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.040+/-0.056 χ^2/NDF:17.9/15

Out: 0.007+/-0.050 χ^2/NDF:30.6/19

All: -0.014+/-0.037 χ^2/NDF: 48.9/35



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 322.006+/-0.264 χ^2/NDF:0.0/0

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 322.006+/-0.264 χ^2/NDF: 0.0/0

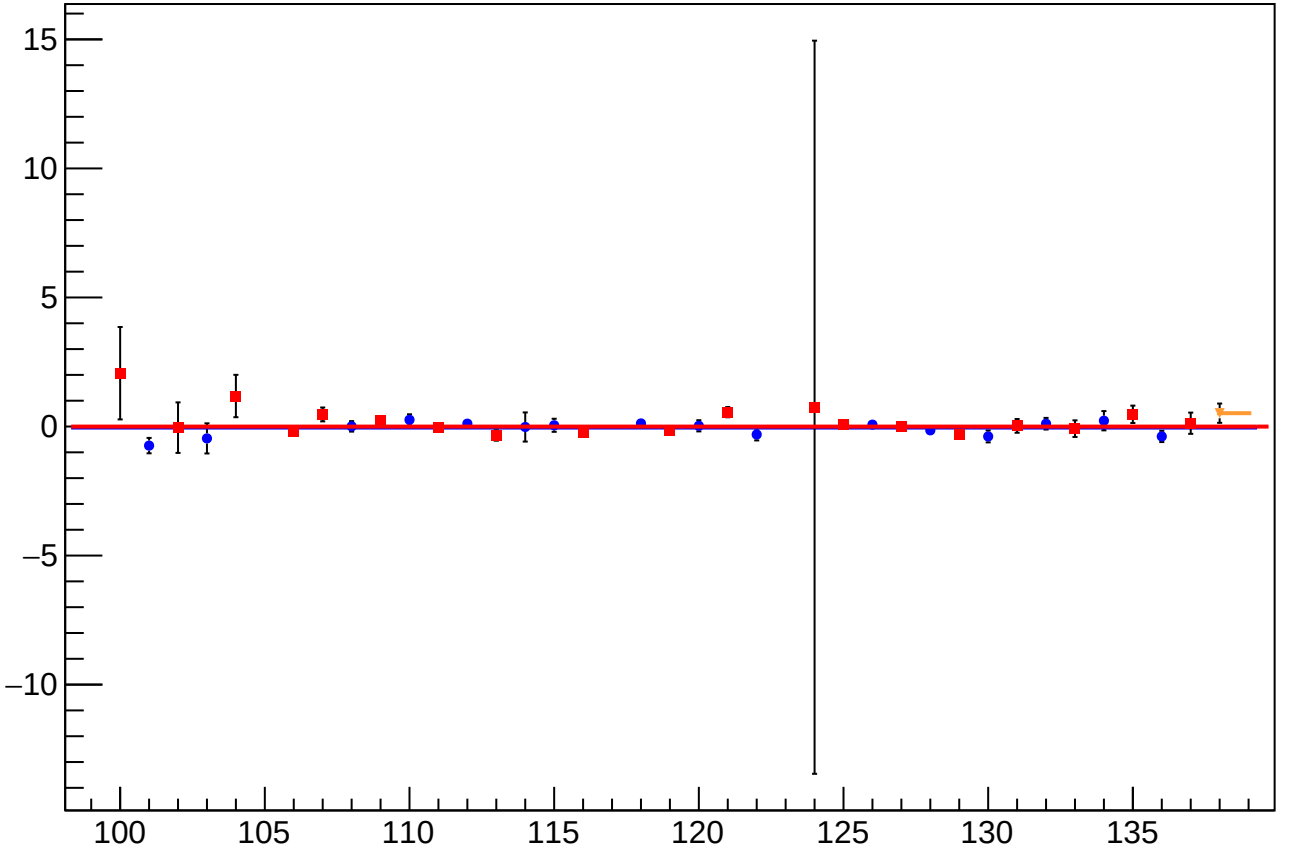
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 137.399+/-0.039 χ^2/NDF:1268257.0/15

Out: 123.695+/-0.036 χ^2/NDF:2714643.7/19

All: 129.858+/-0.026 χ^2/NDF: 4049235.8/35

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: 0.517+/-0.373 χ^2/NDF:0.0/0

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.517+/-0.373 χ^2/NDF: 0.0/0

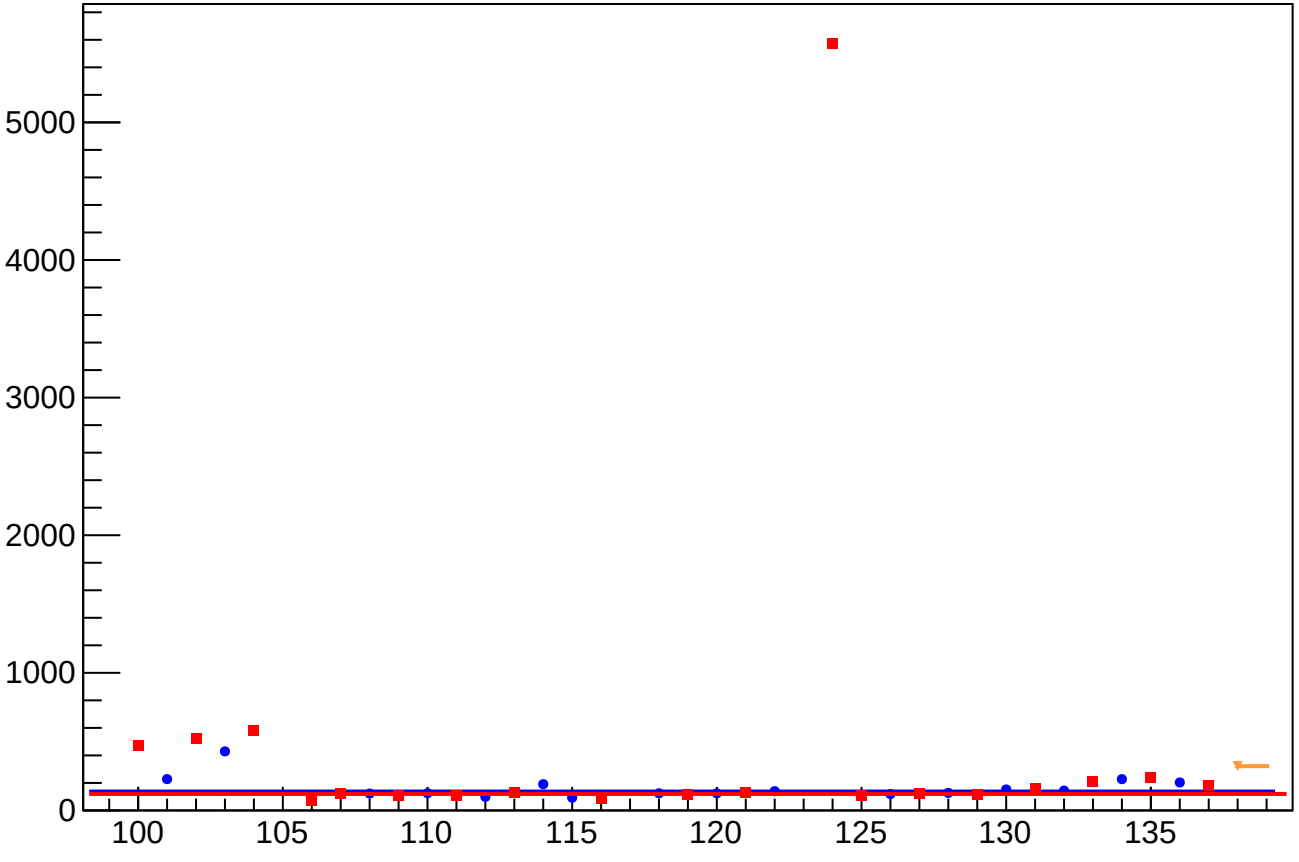
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.040+/-0.056 χ^2/NDF:17.9/15

Out: 0.007+/-0.050 χ^2/NDF:30.6/19

All: -0.014+/-0.037 χ^2/NDF: 48.9/35

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: 322.006+/-0.264 χ^2/NDF:0.0/0

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

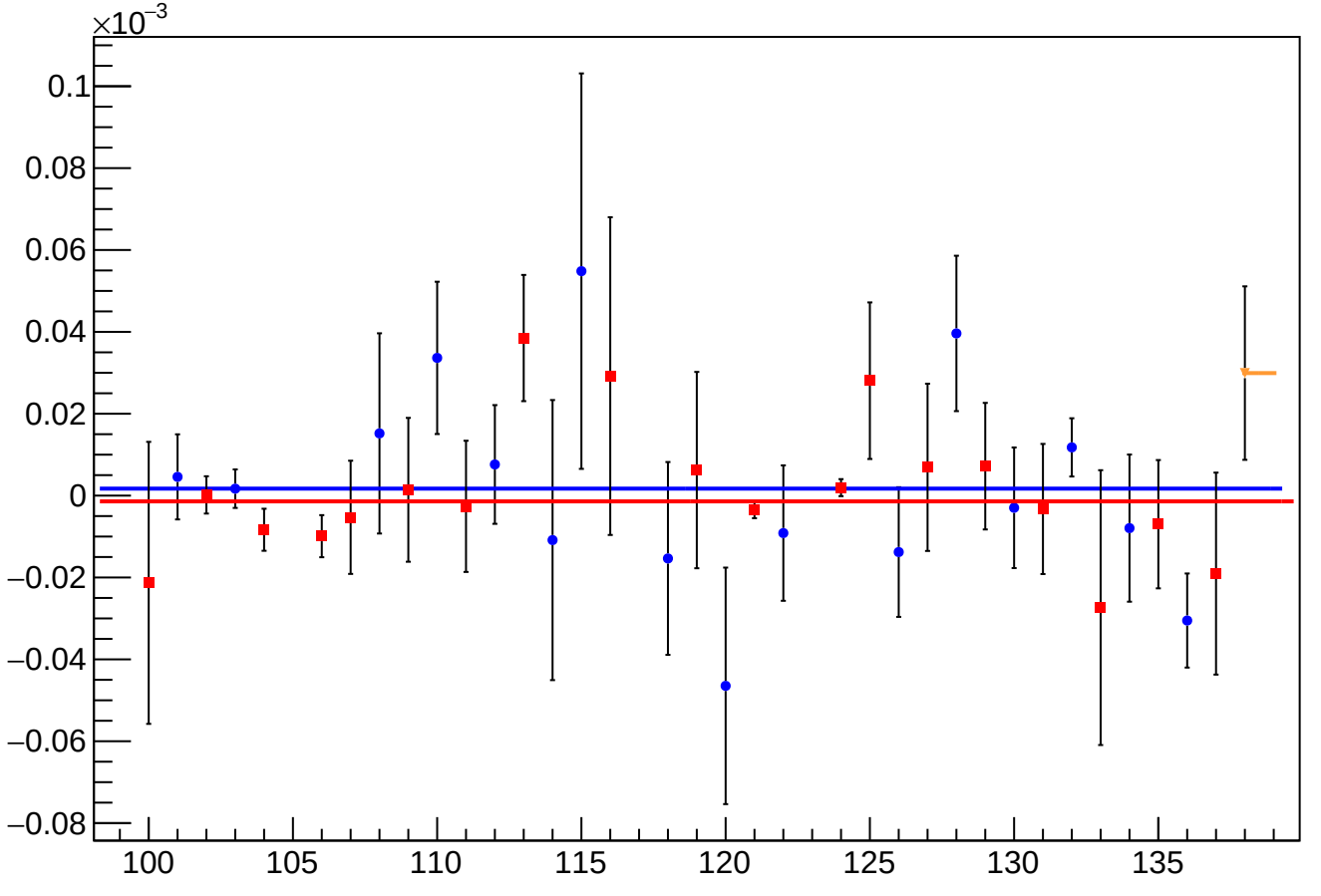
Left: 322.006+/-0.264 χ^2/NDF: 0.0/0

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 137.399+/-0.039 χ^2/NDF:1268257.0/15

Out: 123.695+/-0.036 χ^2/NDF:2714643.7/19

All: 129.858+/-0.026 χ^2/NDF: 4049235.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

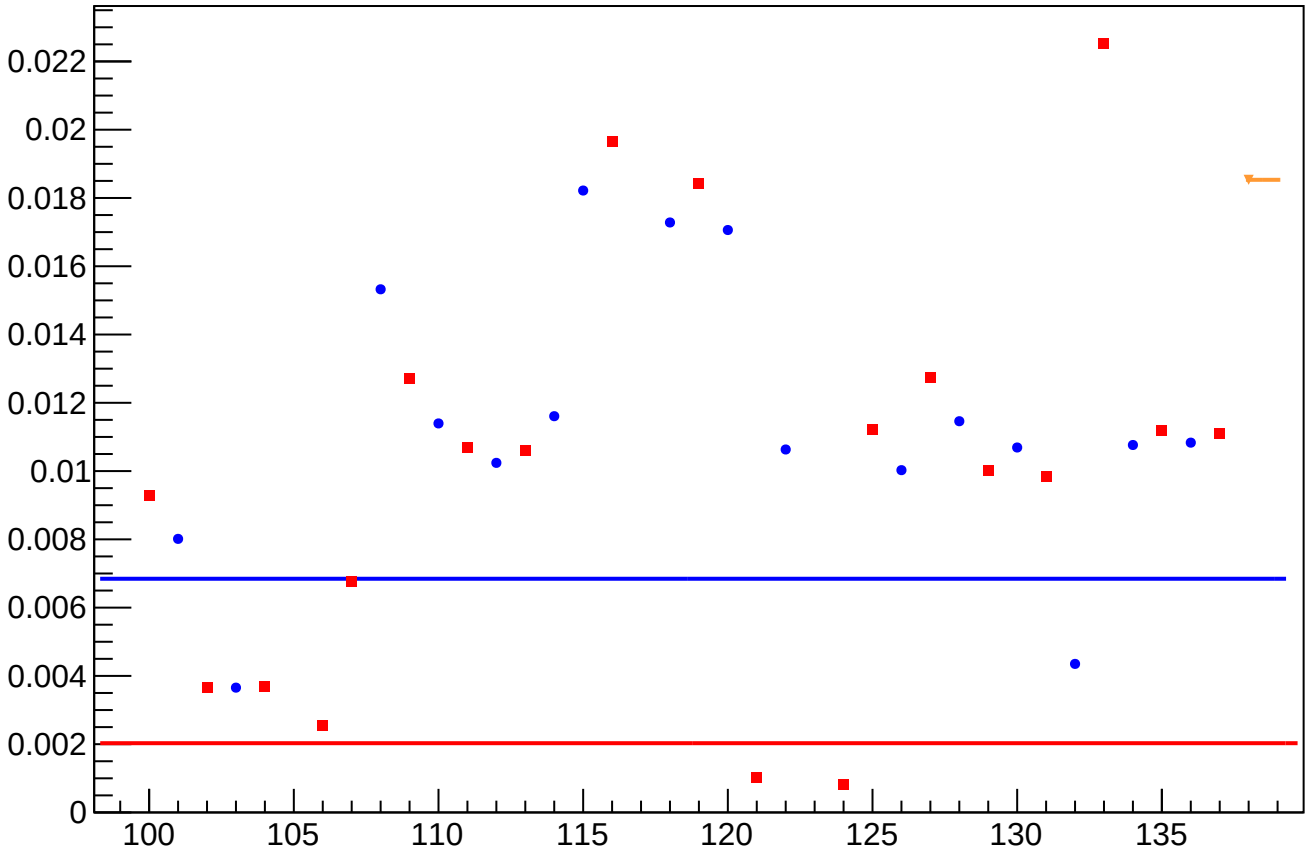
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:23.8/15

Out: -0.000+/-0.000 χ^2/NDF:22.4/19

All: -0.000+/-0.000 χ^2/NDF: 47.1/35



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.019+/-0.000 χ^2/NDF: 0.0/0

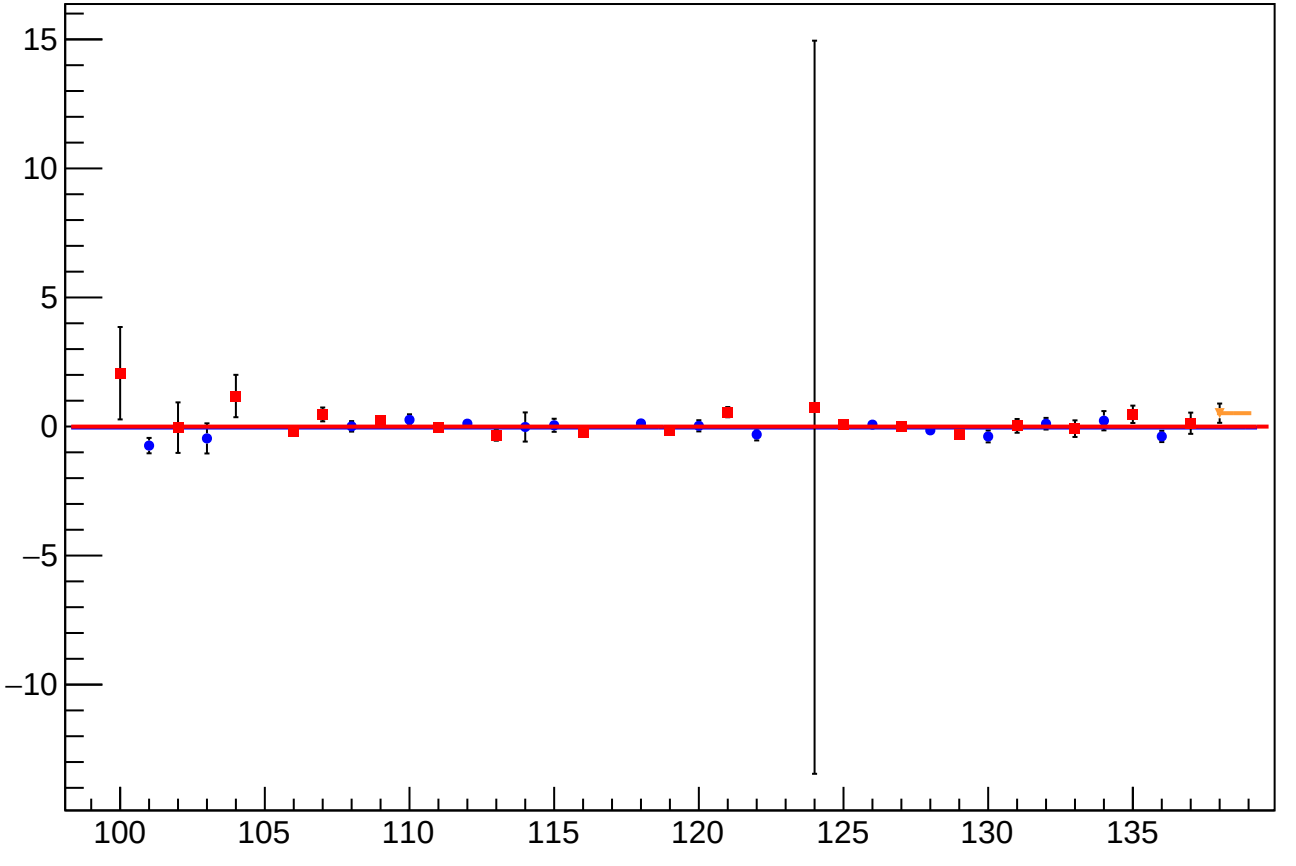
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.007+/-0.000 χ^2/NDF:3230112.6/15

Out: 0.002+/-0.000 χ^2/NDF:10216428.6/19

All: 0.003+/-0.000 χ^2/NDF: 17811756.3/35

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: 0.517+/-0.373 χ^2/NDF:0.0/0

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.517+/-0.373 χ^2/NDF: 0.0/0

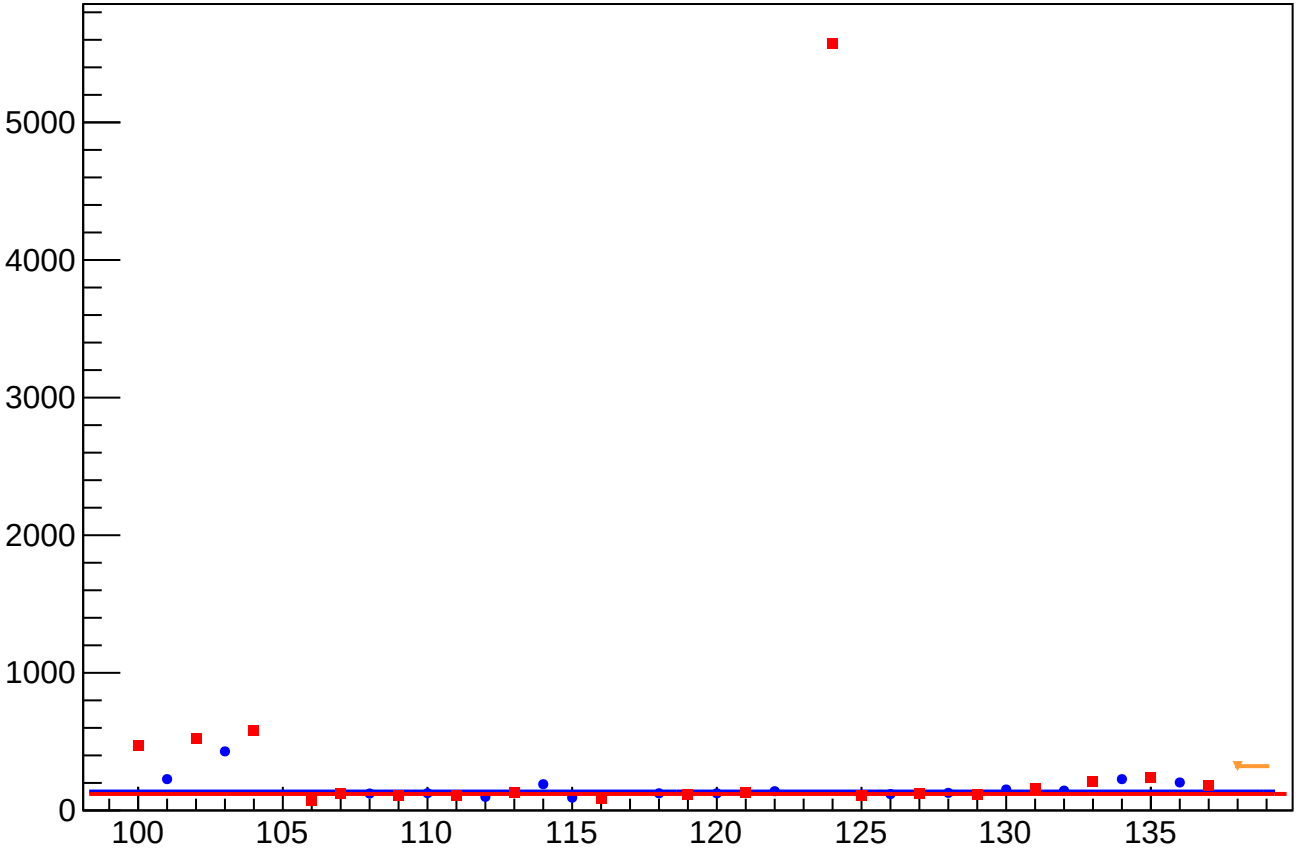
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.040+/-0.056 χ^2/NDF:17.9/15

Out: 0.007+/-0.050 χ^2/NDF:30.6/19

All: -0.014+/-0.037 χ^2/NDF: 48.9/35

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: 322.008+/-0.264 χ^2/NDF:0.0/0

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 322.008+/-0.264 χ^2/NDF: 0.0/0

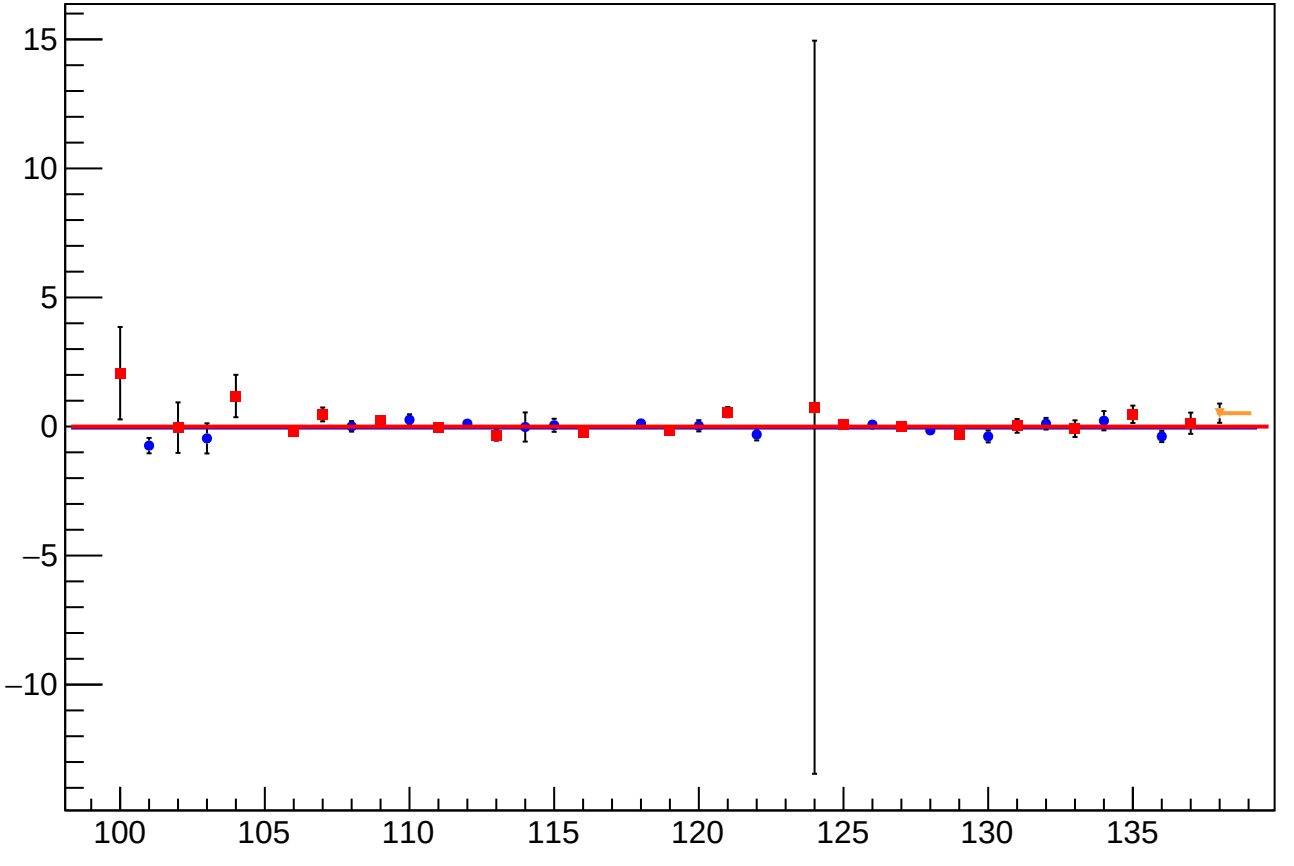
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 137.400+/-0.039 χ^2/NDF:1268197.9/15

Out: 123.696+/-0.036 χ^2/NDF:2714576.4/19

All: 129.858+/-0.026 χ^2/NDF: 4049117.6/35

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: 0.517+/-0.373 χ^2/NDF:0.0/0

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.517+/-0.373 χ^2/NDF: 0.0/0

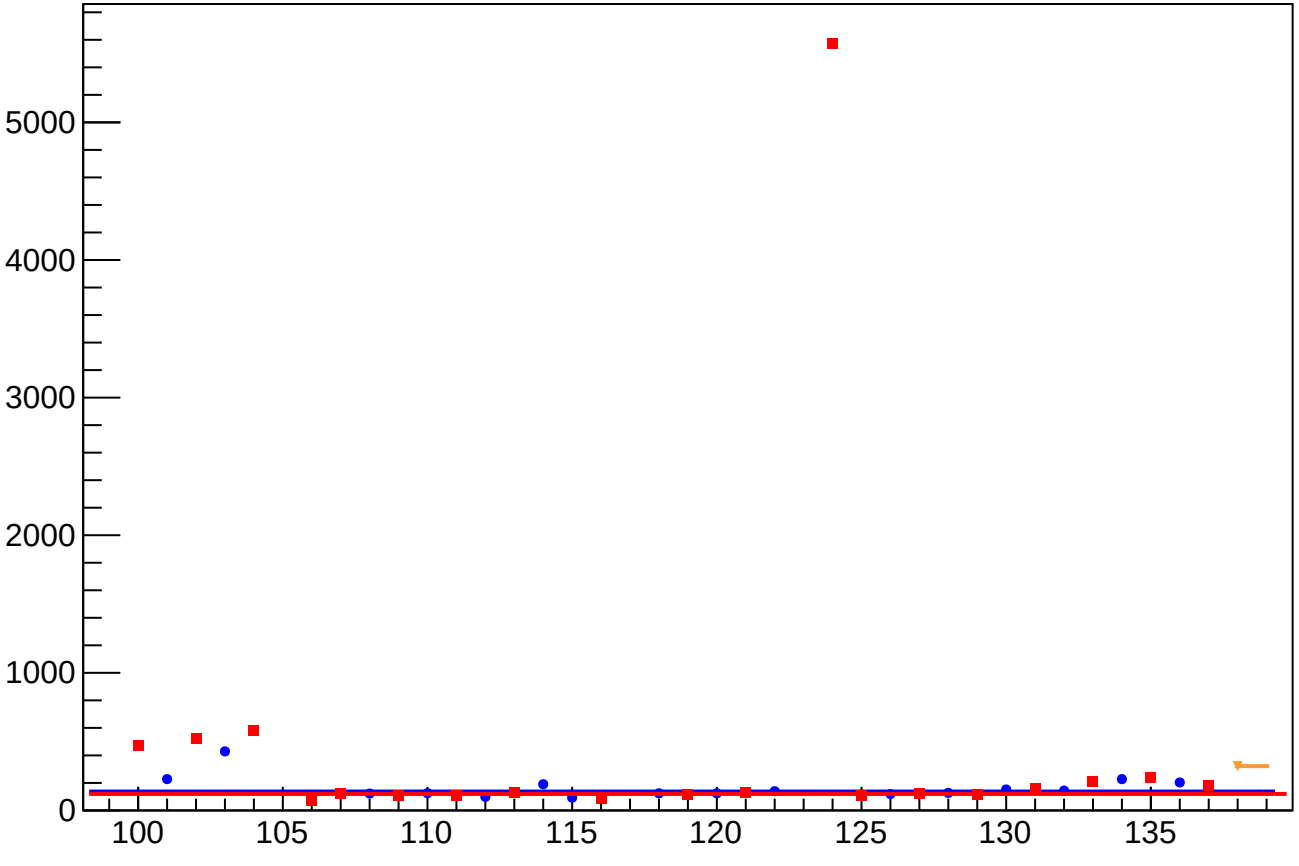
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.040+/-0.056 χ^2/NDF:17.9/15

Out: 0.007+/-0.050 χ^2/NDF:30.6/19

All: -0.014+/-0.037 χ^2/NDF: 48.9/35

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: 322.008+/-0.264 χ^2/NDF:0.0/0

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

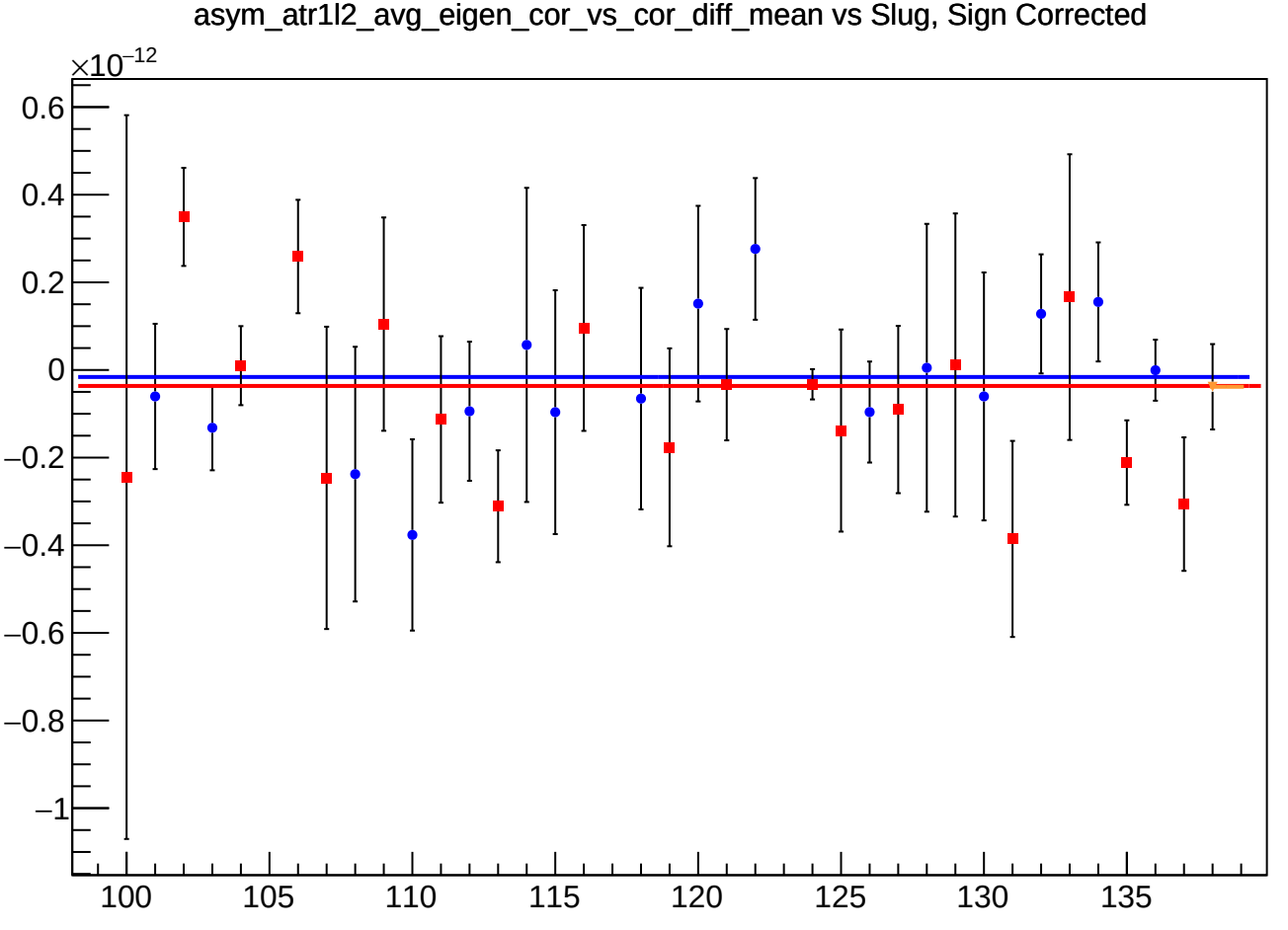
Left: 322.008+/-0.264 χ^2/NDF: 0.0/0

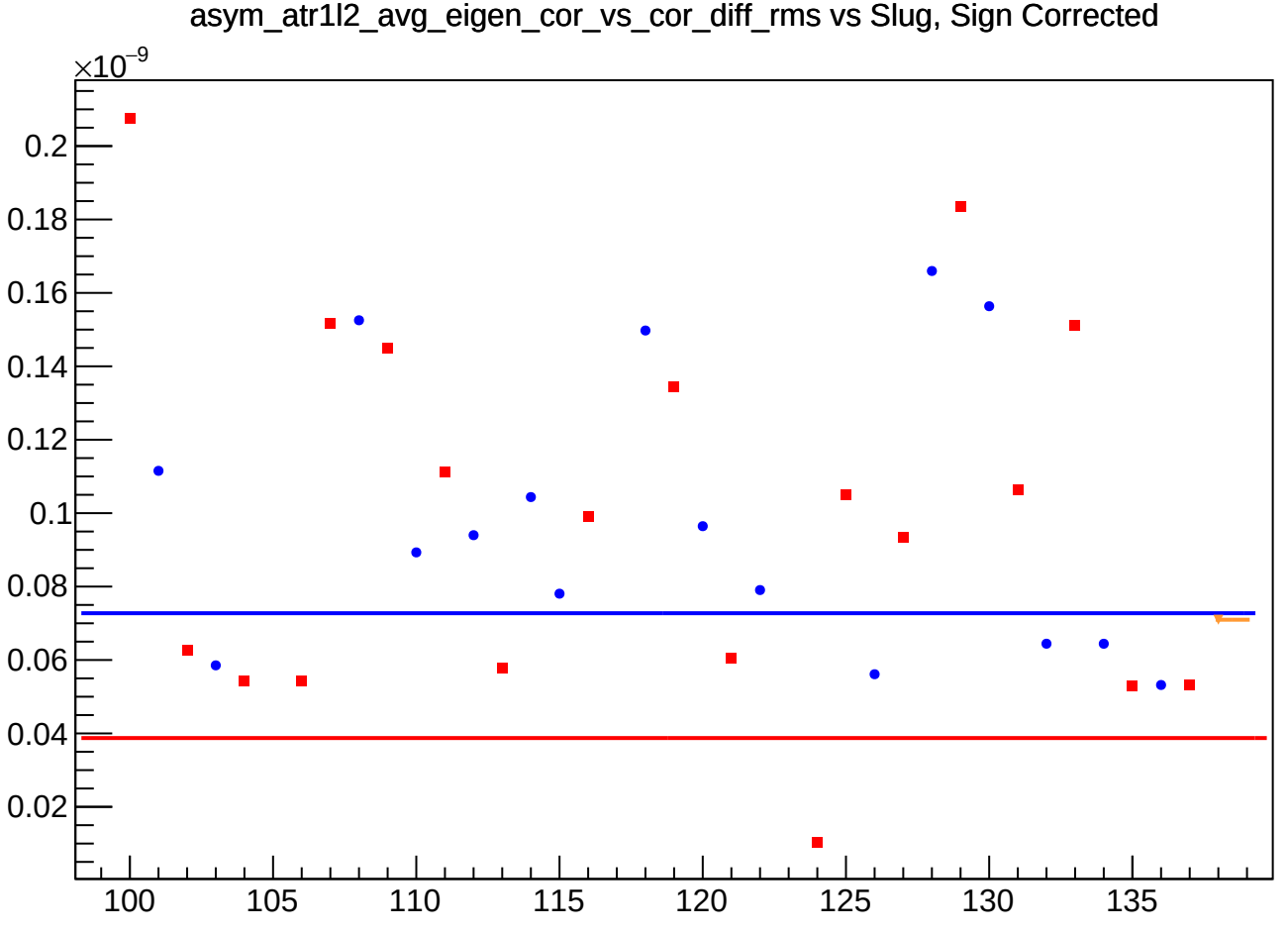
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 137.400+/-0.039 χ^2/NDF:1268197.9/15

Out: 123.696+/-0.036 χ^2/NDF:2714576.4/19

All: 129.858+/-0.026 χ^2/NDF: 4049117.6/35


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
105
110
115
120
125
130
135
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.000 χ²/NDF:0.0/0
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 0.0/0
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:12.3/15
Out: -0.000+/-0.000 χ²/NDF:33.2/19
All: -0.000+/-0.000 χ²/NDF: 45.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

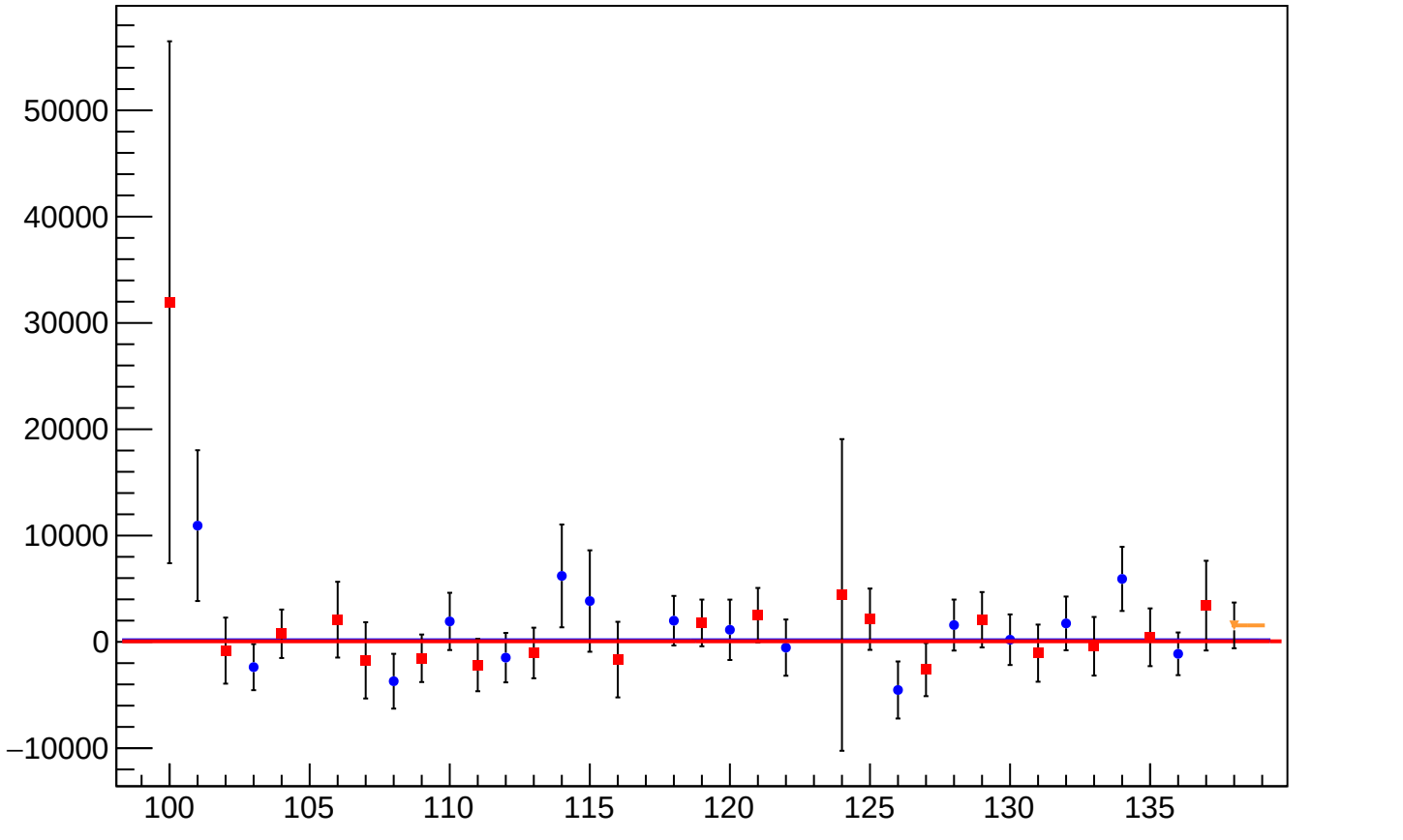
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:1128031.5/15

Out: 0.000+/-0.000 χ^2/NDF:4471105.1/19

All: 0.000+/-0.000 χ^2/NDF: 6624578.8/35



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1550.667+/-2150.164 χ^2/NDF:0.0/0

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1550.667+/-2150.164 χ^2/NDF: 0.0/0

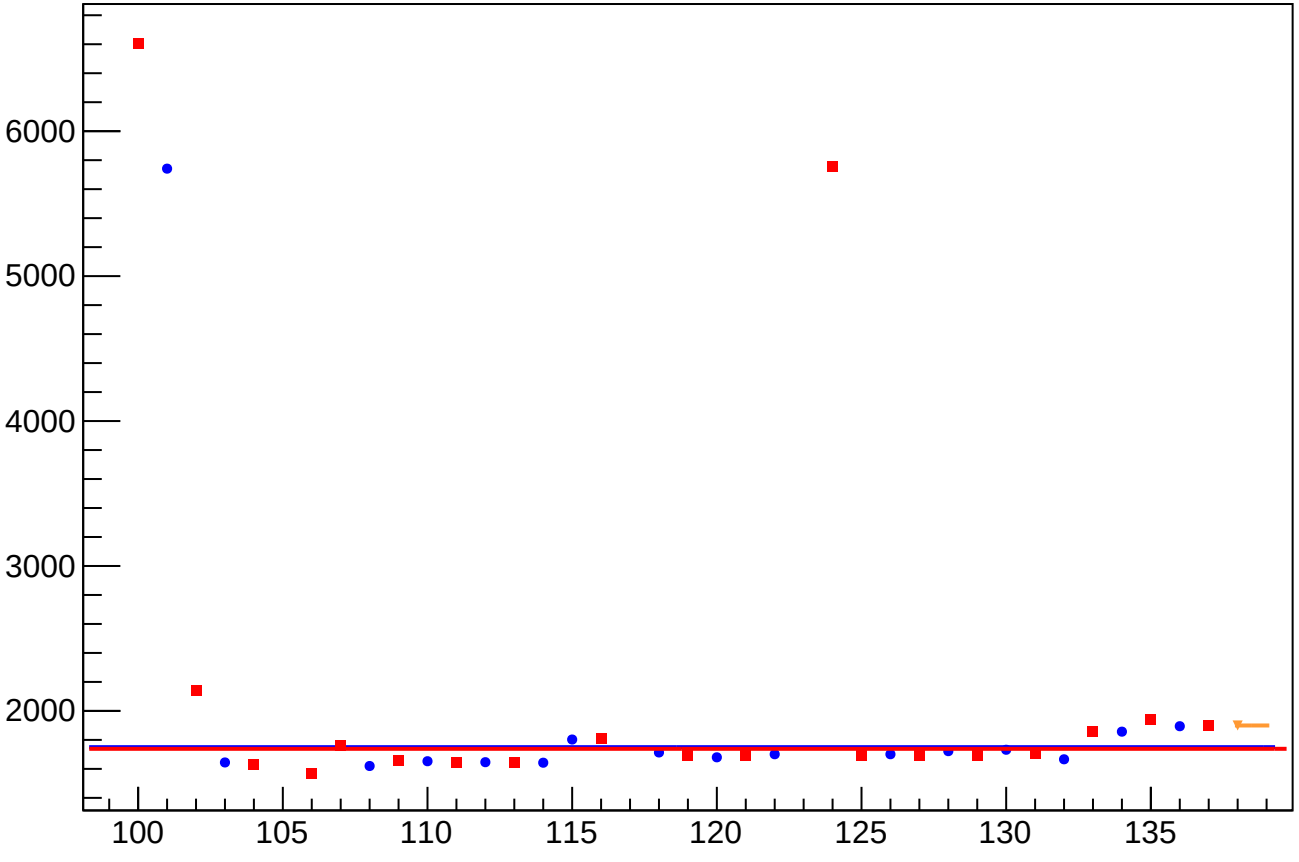
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 150.722+/-667.029 χ^2/NDF:17.7/15

Out: 181.285+/-626.805 χ^2/NDF:9.4/19

All: 166.953+/-456.777 χ^2/NDF: 27.1/35

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1899.469+/-1.520 χ^2/NDF:0.0/0

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

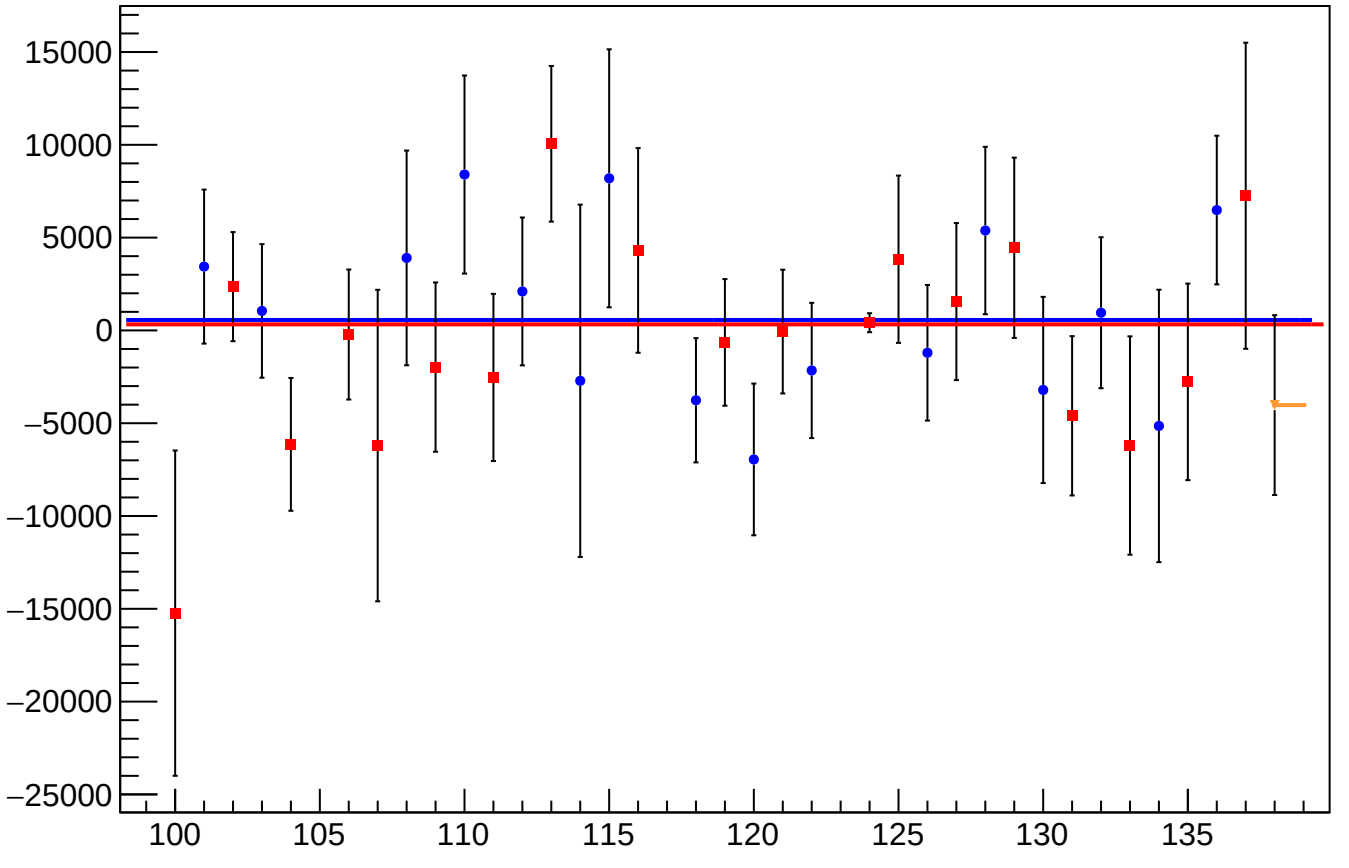
Left: 1899.469+/-1.520 χ^2/NDF: 0.0/0

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1749.864+/-0.472 χ^2/NDF:669576.0/15

Out: 1751.990+/-0.440 χ^2/NDF:314763.5/19

All: 1751.000+/-0.322 χ^2/NDF: 984350.3/35



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: -4023.740+/-4843.783 χ^2/NDF:0.0/0

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

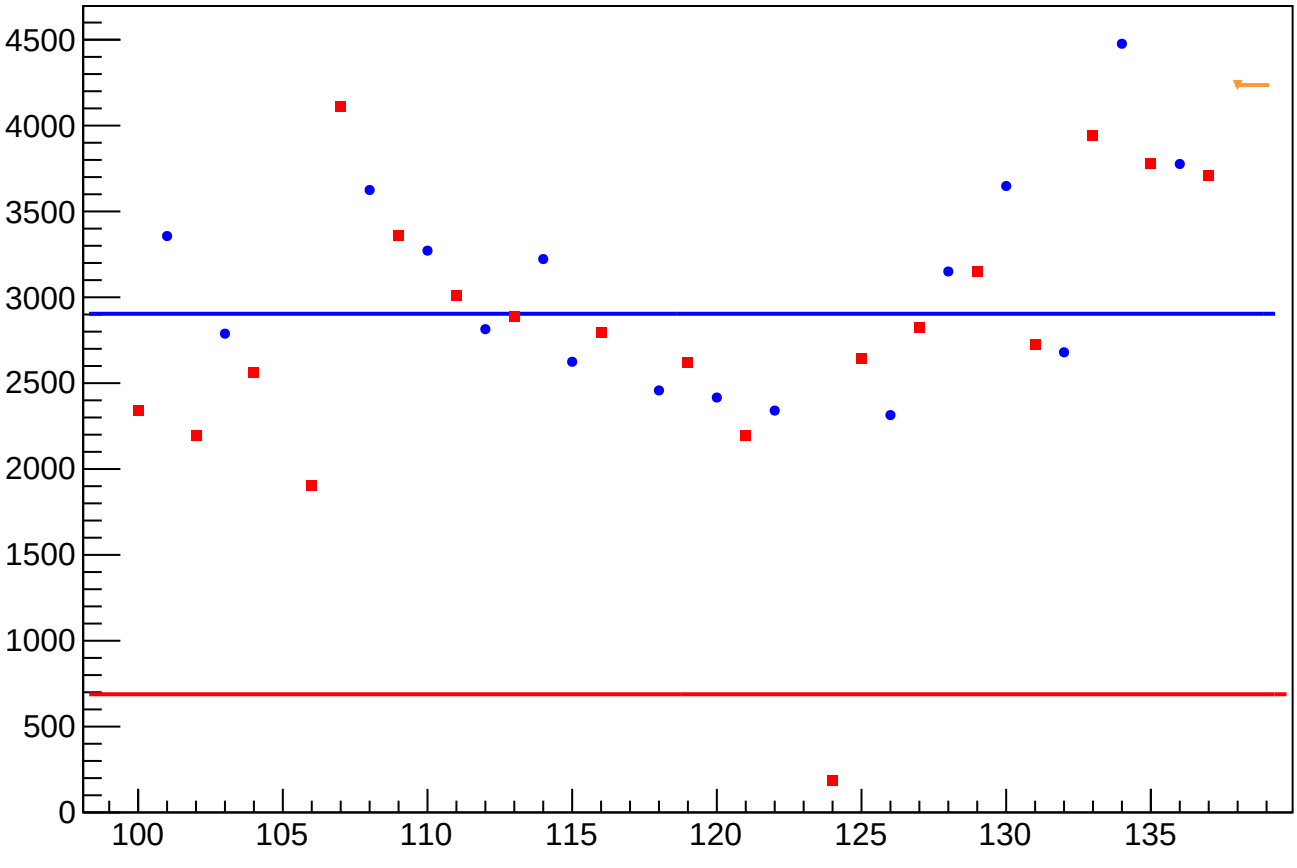
Left: -4023.740+/-4843.783 χ^2/NDF: 0.0/0

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 562.339+/-1101.163 χ^2/NDF:14.8/15

Out: 287.035+/-455.915 χ^2/NDF:20.0/19

All: 327.322+/-421.238 χ^2/NDF: 34.9/35



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 4236.199+/-3.425 χ^2/NDF:0.0/0

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

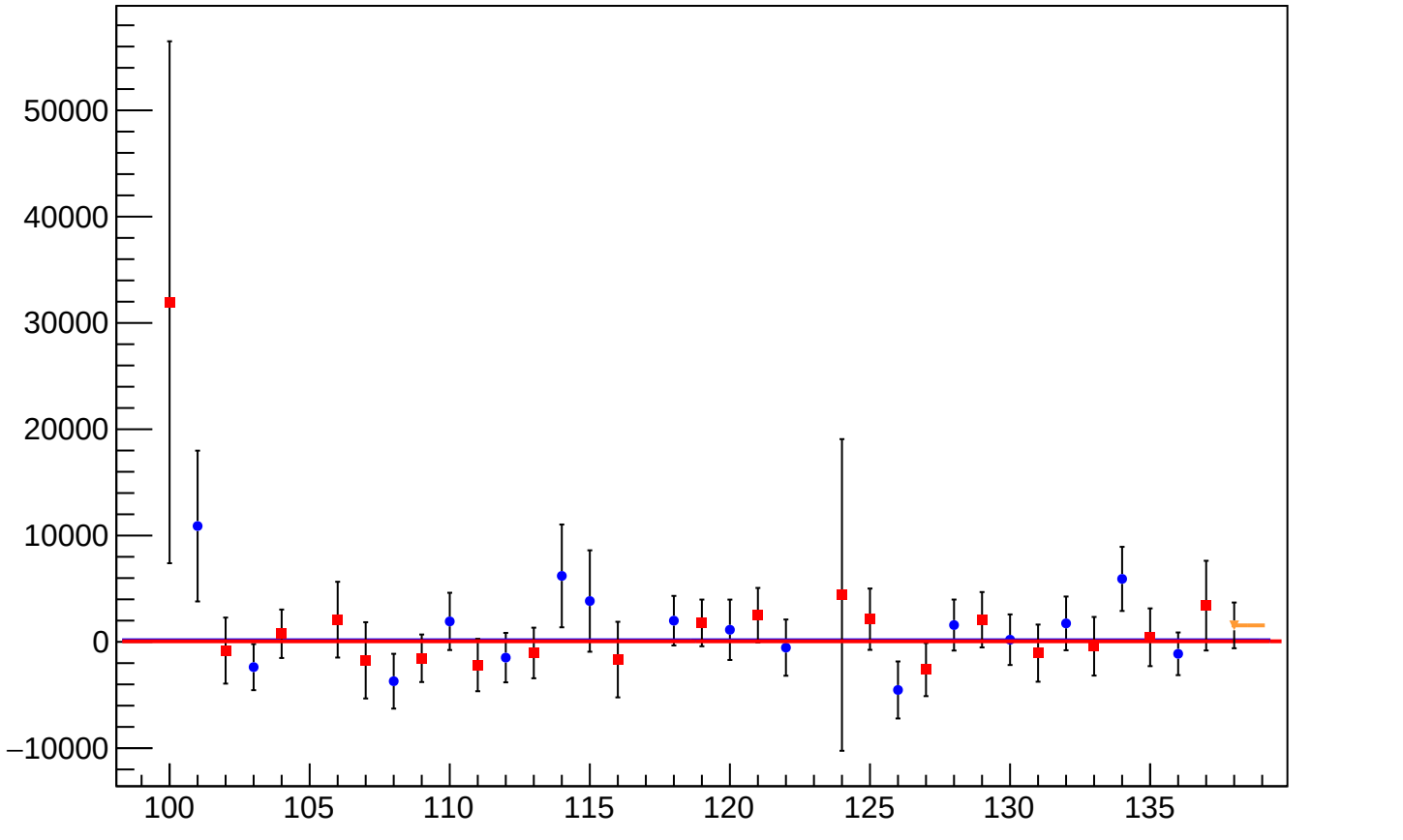
Left: 4236.199+/-3.425 χ^2/NDF: 0.0/0

Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 2904.059+/-0.779 χ^2/NDF:479774.3/15

Out: 719.751+/-0.322 χ^2/NDF:11212405.3/19

All: 1039.394+/-0.298 χ^2/NDF: 18410208.9/3



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1550.554+/-2150.164 χ^2/NDF:0.0/0

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1550.554+/-2150.164 χ^2/NDF: 0.0/0

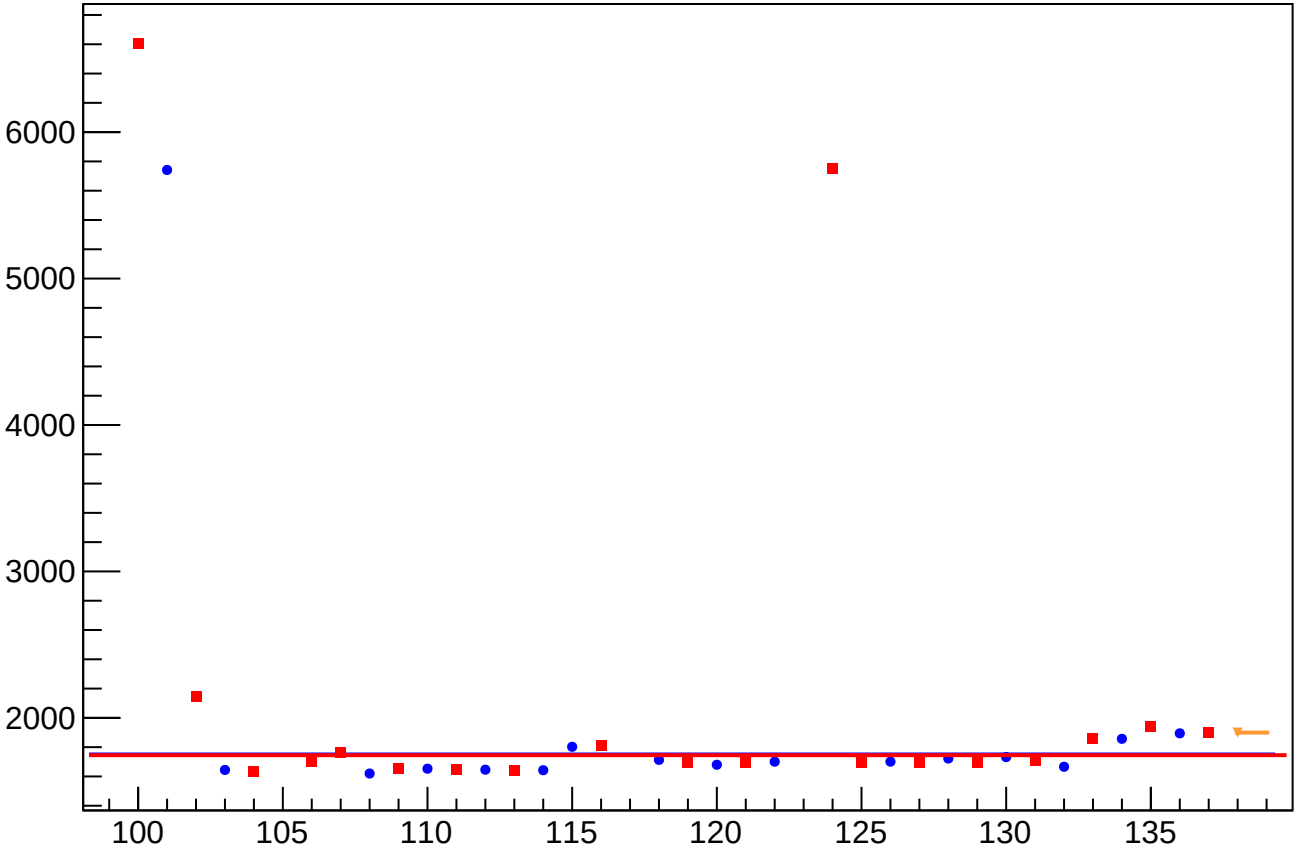
Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 150.254+/-667.029 χ^2/NDF:17.6/15

Out: 181.323+/-626.805 χ^2/NDF:9.4/19

All: 166.753+/-456.777 χ^2/NDF: 27.0/35

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1899.469+/-1.520 χ^2/NDF:0.0/0

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

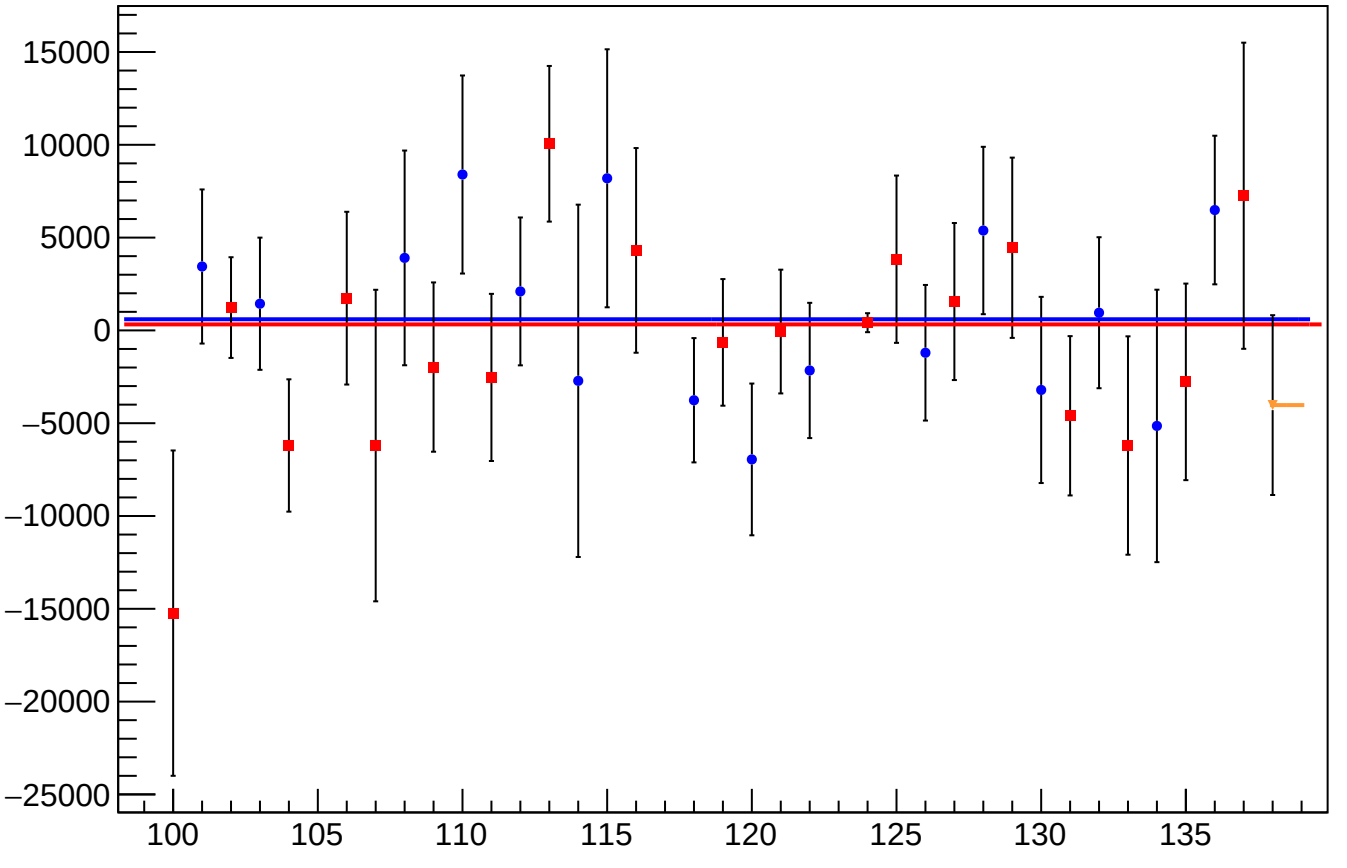
Left: 1899.469+/-1.520 χ^2/NDF: 0.0/0

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1749.864+/-0.472 χ^2/NDF:669576.1/15

Out: 1758.209+/-0.442 χ^2/NDF:307406.9/19

All: 1754.310+/-0.322 χ^2/NDF: 977149.8/35



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: -4024.081+/-4843.793 χ^2/NDF:0.0/0

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

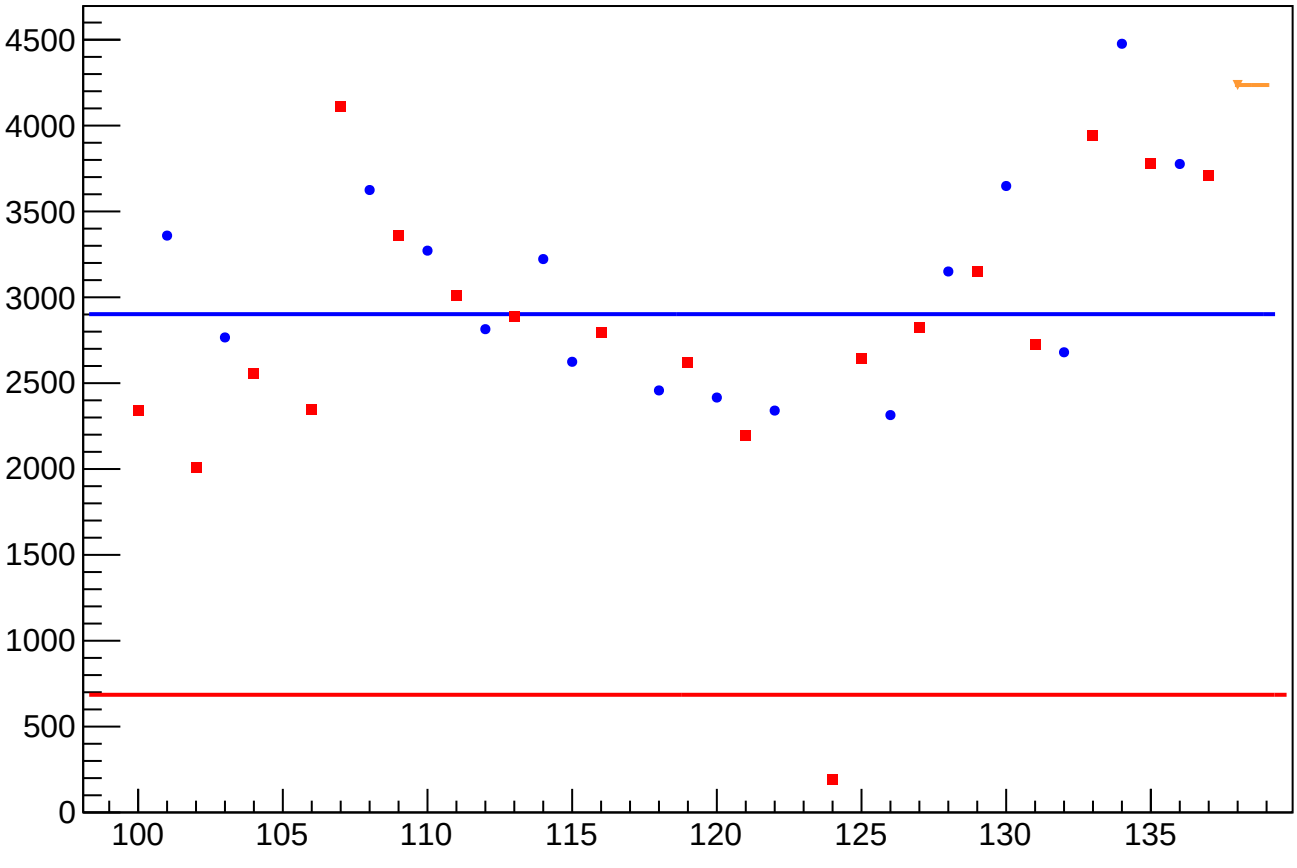
Left: -4024.081+/-4843.793 χ^2/NDF: 0.0/0

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 600.202+/-1100.125 χ^2/NDF:14.9/15

Out: 284.498+/-456.817 χ^2/NDF:19.8/19

All: 330.928+/-421.891 χ^2/NDF: 34.7/35



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 4236.211+/-3.425 χ^2/NDF:0.0/0

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

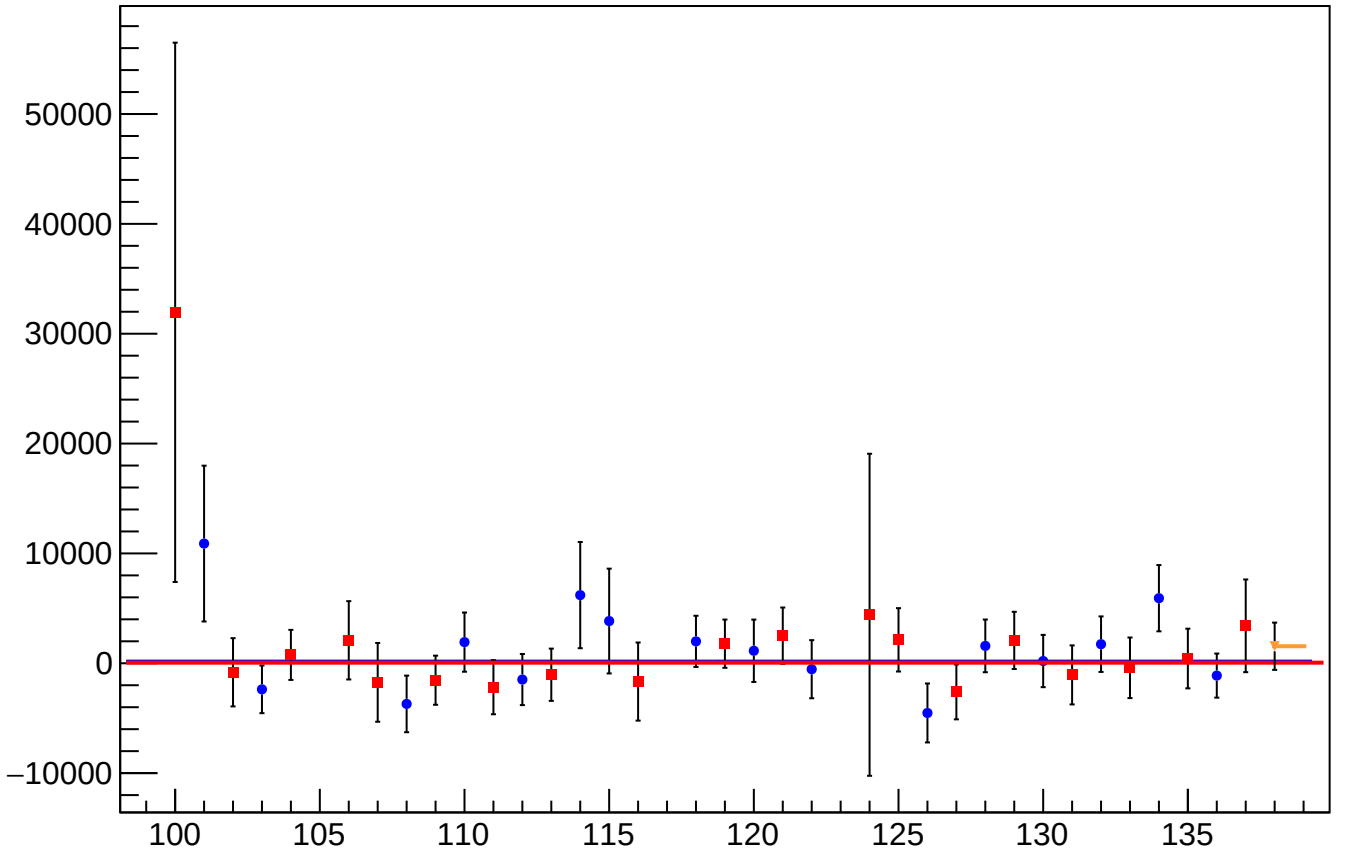
Left: 4236.211+/-3.425 χ^2/NDF: 0.0/0

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 2901.861+/-0.778 χ^2/NDF:480934.2/15

Out: 716.840+/-0.323 χ^2/NDF:11171090.1/19

All: 1038.185+/-0.298 χ^2/NDF: 18381353.7/3



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1550.554+/-2150.164 χ^2/NDF:0.0/0

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

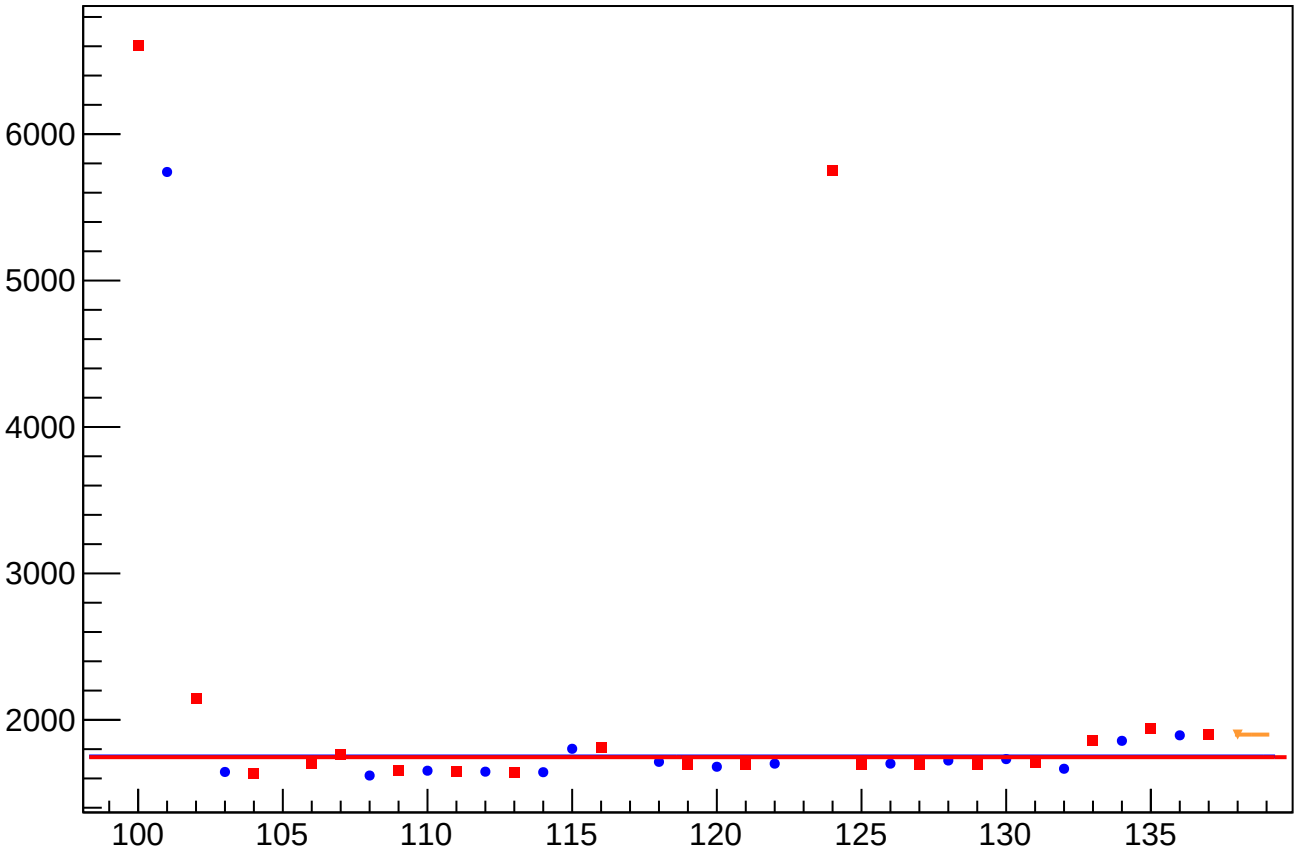
Left: 1550.554+/-2150.164 χ^2/NDF: 0.0/0

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 150.254+/-667.029 χ^2/NDF:17.6/15

Out: 181.323+/-626.805 χ^2/NDF:9.4/19

All: 166.753+/-456.777 χ^2/NDF: 27.0/35



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1899.469+/-1.520 χ^2/NDF:0.0/0

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

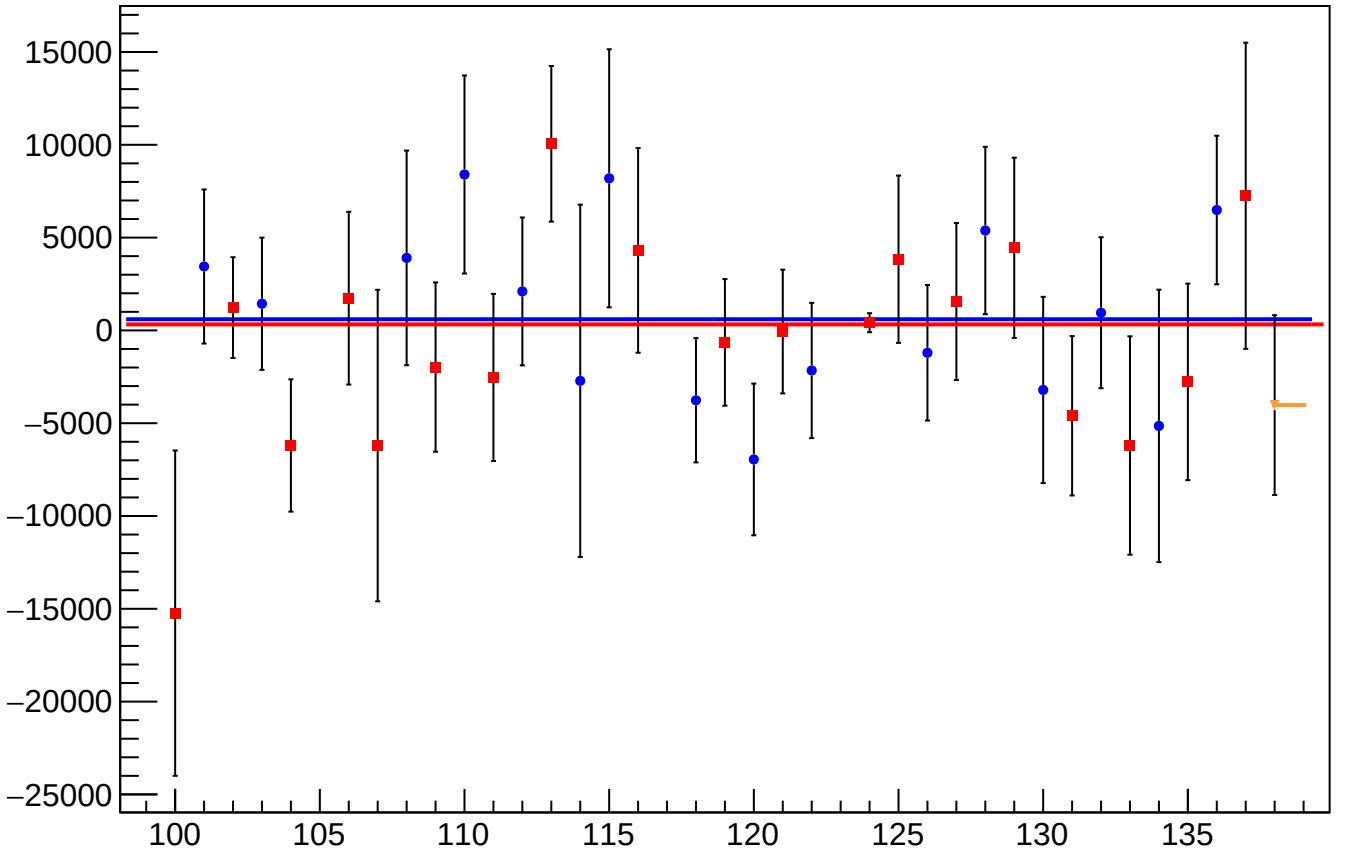
Left: 1899.469+/-1.520 χ^2/NDF: 0.0/0

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1749.864+/-0.472 χ^2/NDF:669576.1/15

Out: 1758.209+/-0.442 χ^2/NDF:307406.9/19

All: 1754.310+/-0.322 χ^2/NDF: 977149.8/35



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: -4024.081+/-4843.793 χ^2/NDF:0.0/0

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

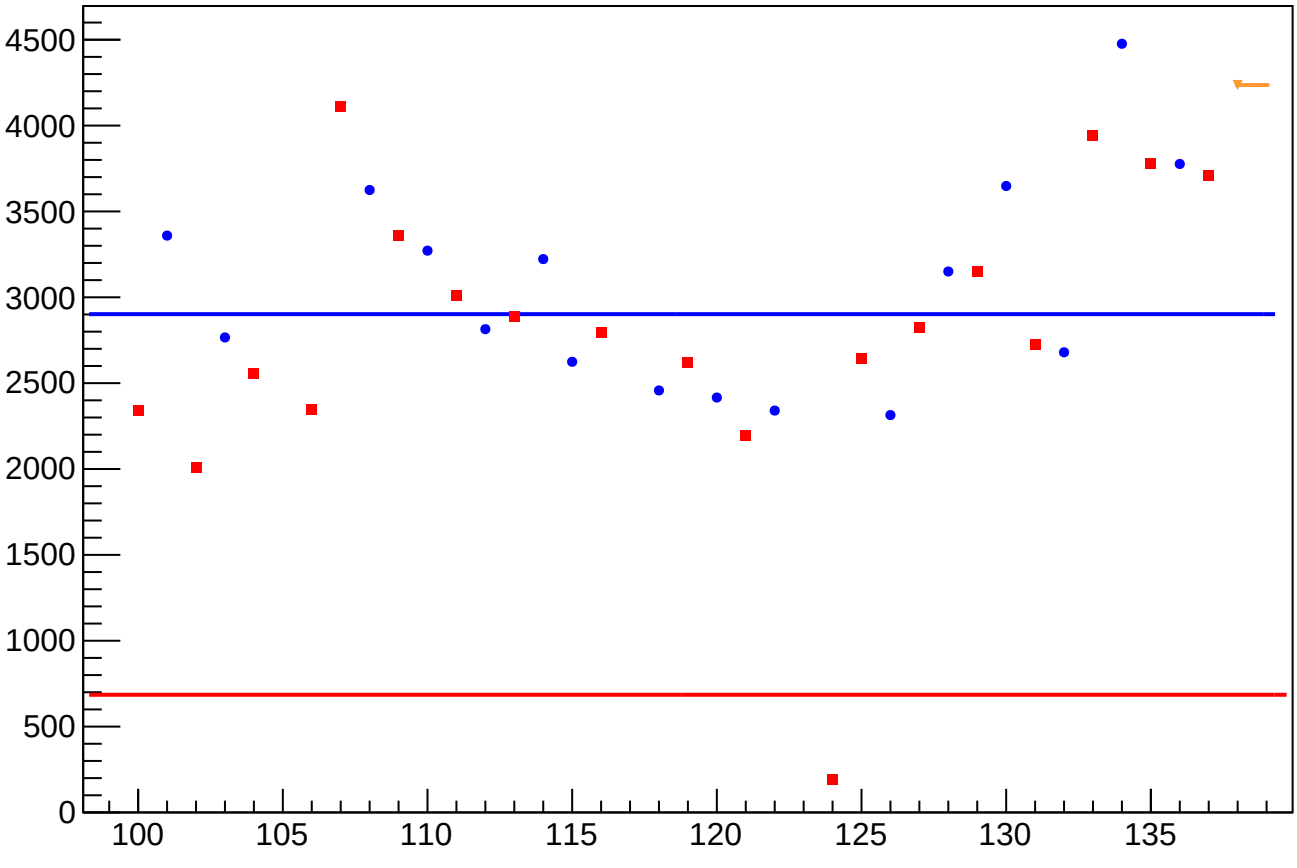
Left: -4024.081+/-4843.793 χ^2/NDF: 0.0/0

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 600.202+/-1100.125 χ^2/NDF:14.9/15

Out: 284.498+/-456.817 χ^2/NDF:19.8/19

All: 330.928+/-421.891 χ^2/NDF: 34.7/35



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 4236.211+/-3.425 χ^2/NDF:0.0/0

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

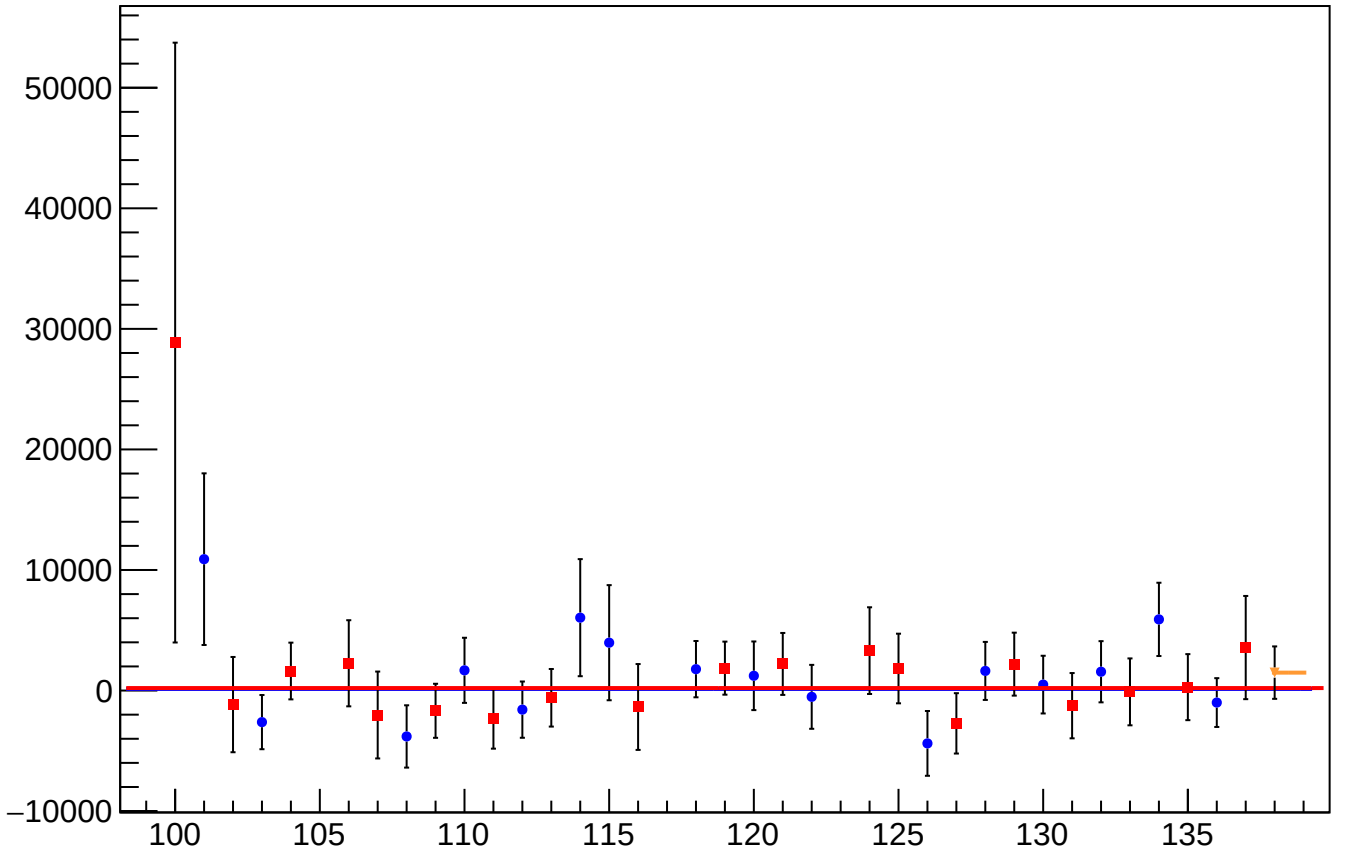
Left: 4236.211+/-3.425 χ^2/NDF: 0.0/0

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 2901.861+/-0.778 χ^2/NDF:480934.2/15

Out: 716.840+/-0.323 χ^2/NDF:11171090.1/19

All: 1038.185+/-0.298 χ^2/NDF: 18381353.7/3



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1486.368+/-2174.751 χ^2/NDF:0.0/0

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

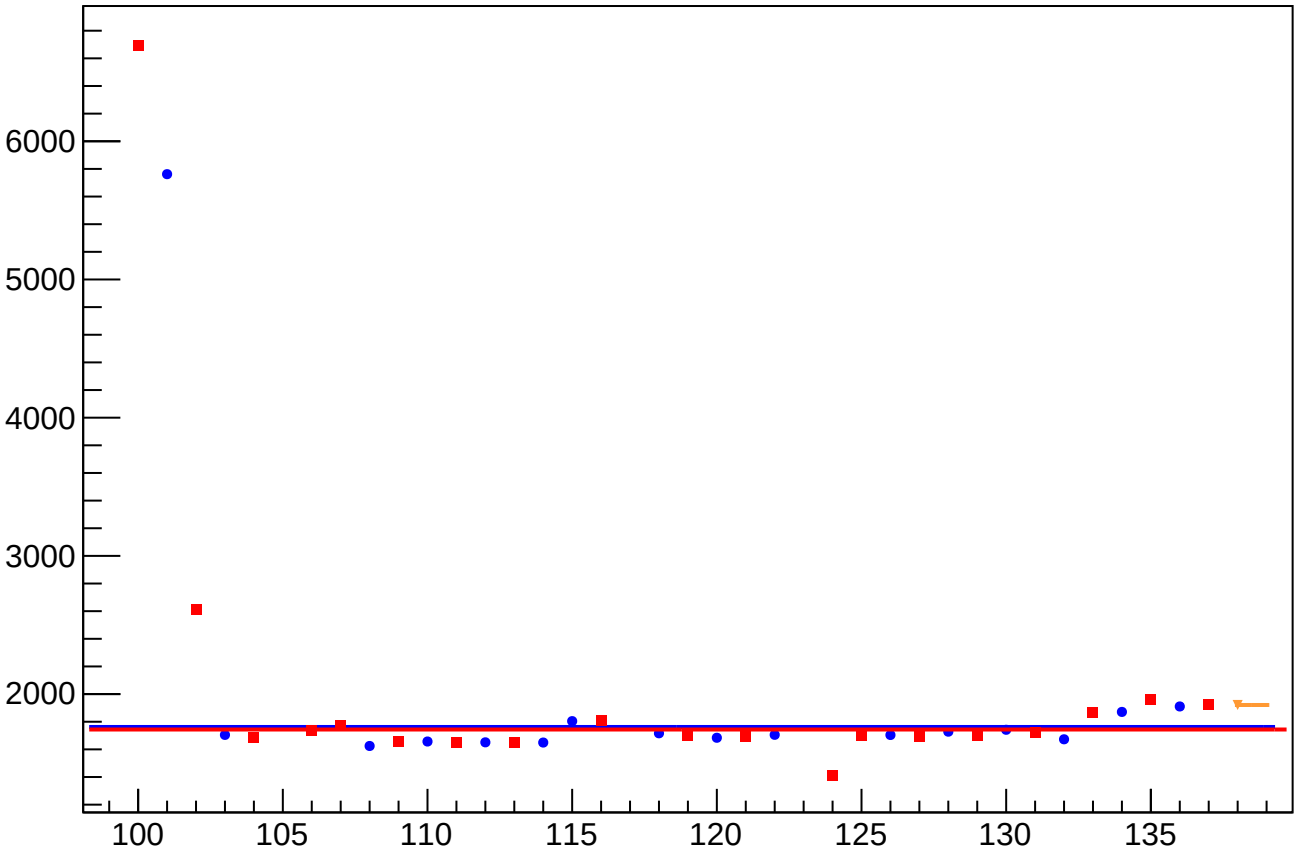
Left: 1486.368+/-2174.751 χ^2/NDF: 0.0/0

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 133.838+/-671.621 χ^2/NDF:17.3/15

Out: 311.791+/-626.684 χ^2/NDF:10.0/19

All: 228.967+/-458.196 χ^2/NDF: 27.3/35



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1921.141+/-1.538 χ^2/NDF:0.0/0

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

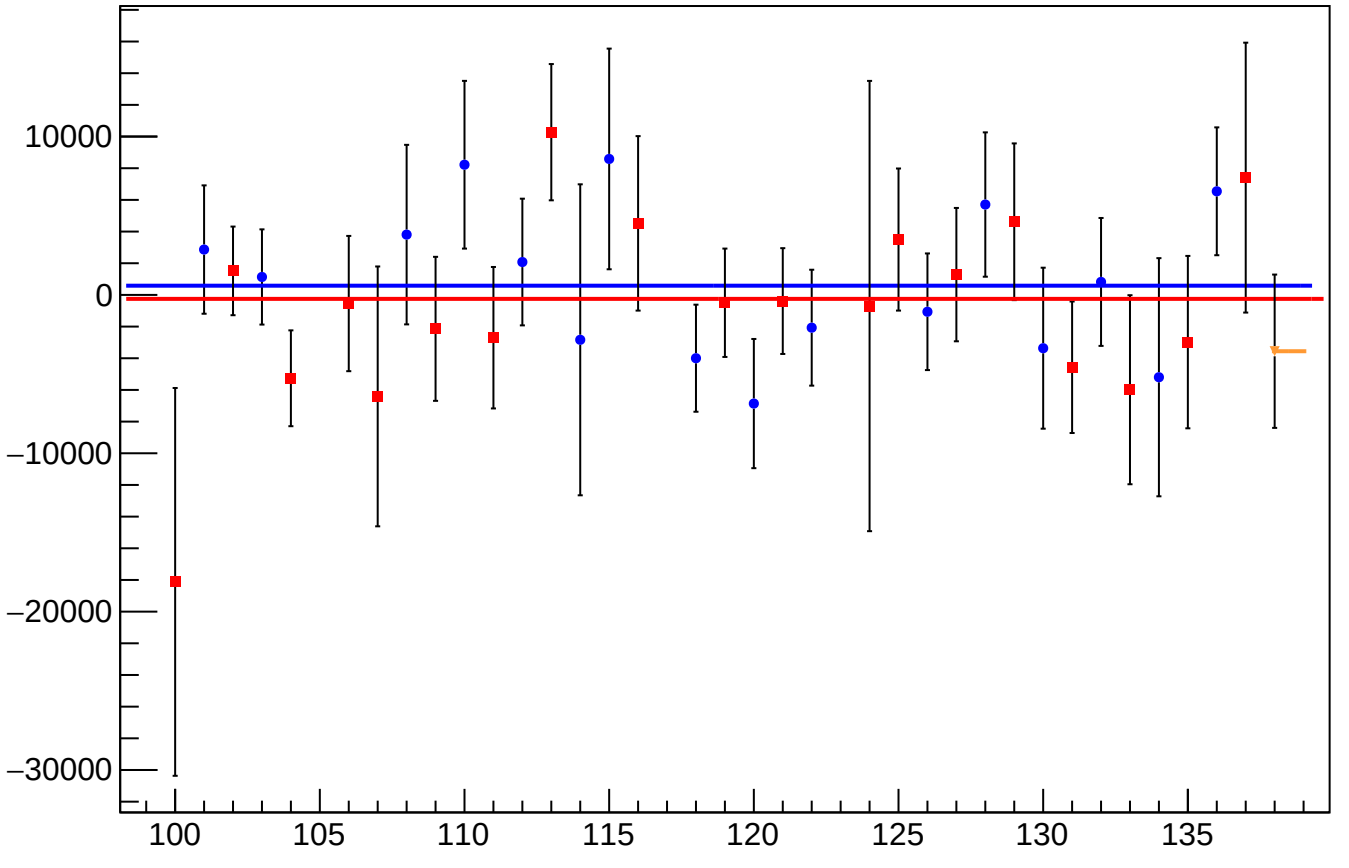
Left: 1921.141+/-1.538 χ^2/NDF: 0.0/0

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1762.052+/-0.475 χ^2/NDF:667696.6/15

Out: 1758.378+/-0.442 χ^2/NDF:239973.4/19

All: 1760.083+/-0.324 χ^2/NDF: 907702.1/35



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -3556.208+/-4840.608 χ^2/NDF:0.0/0

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

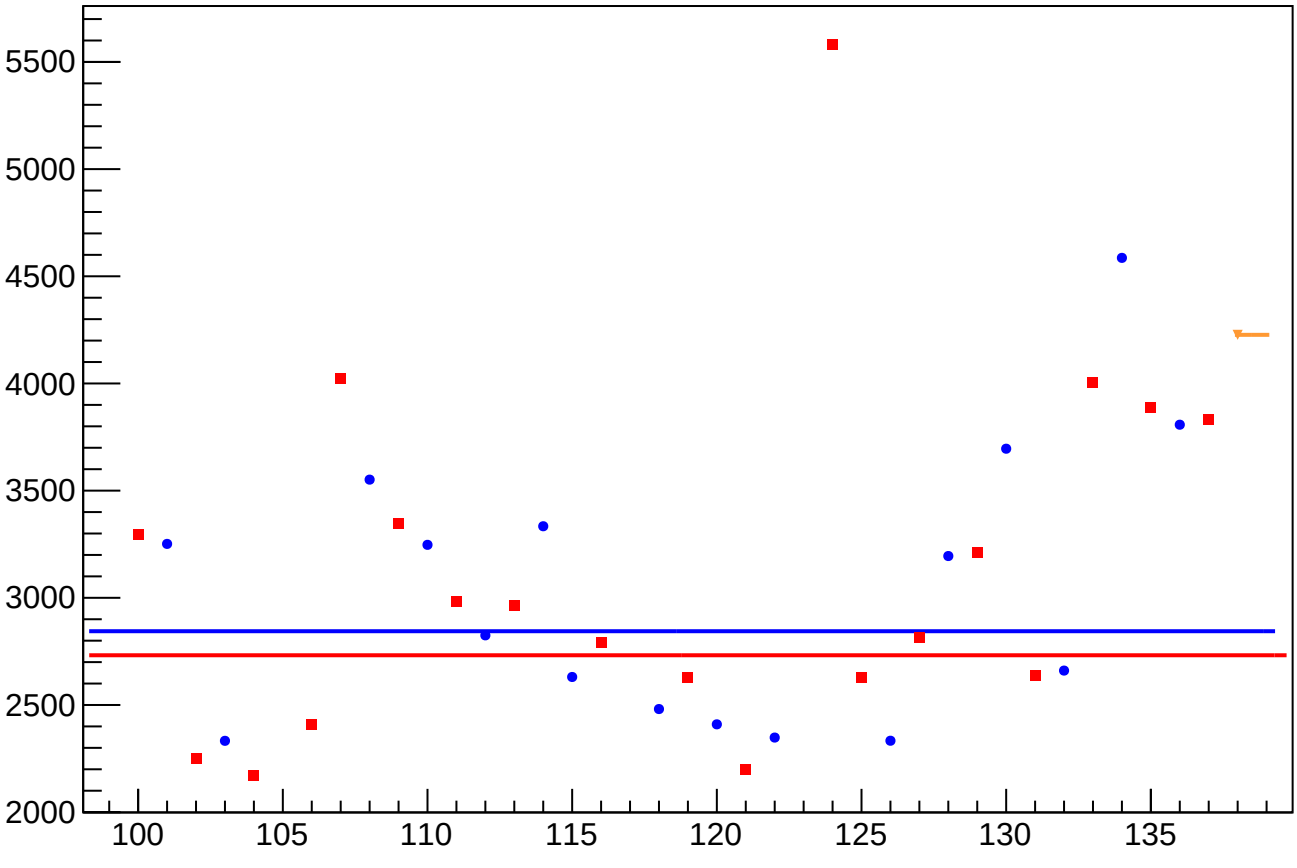
Left: -3556.208+/-4840.608 χ^2/NDF: 0.0/0

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 582.223+/-1081.481 χ^2/NDF:14.9/15

Out: -391.043+/-999.031 χ^2/NDF:18.4/19

All: 57.080+/-733.841 χ^2/NDF: 33.7/35



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4226.843+/-3.423 χ^2/NDF:0.0/0

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

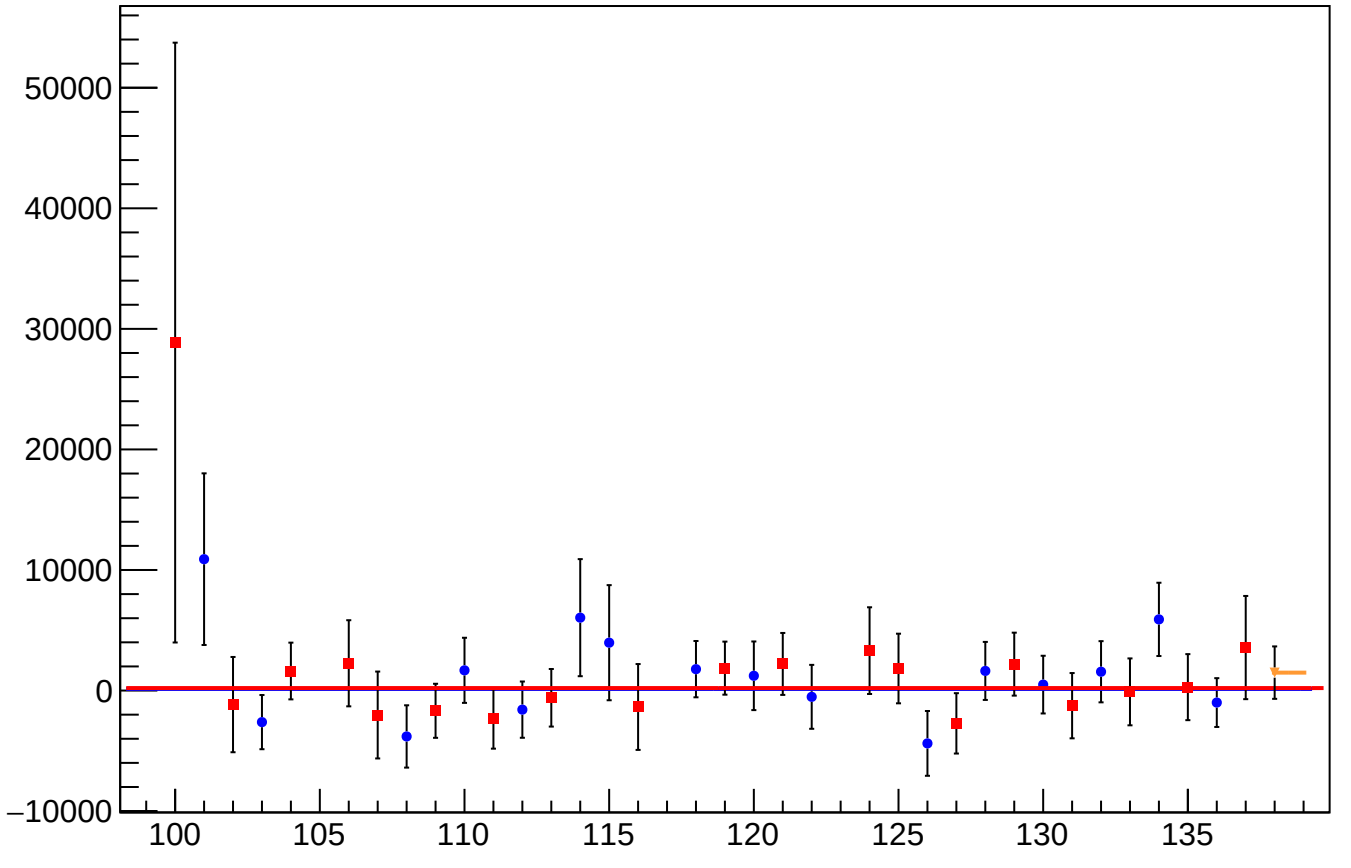
Left: 4226.843+/-3.423 χ^2/NDF: 0.0/0

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 2844.153+/-0.765 χ^2/NDF:542032.5/15

Out: 2795.651+/-0.706 χ^2/NDF:793887.4/19

All: 2817.983+/-0.519 χ^2/NDF: 1338090.3/35



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1486.331+/-2174.751 χ^2/NDF:0.0/0

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

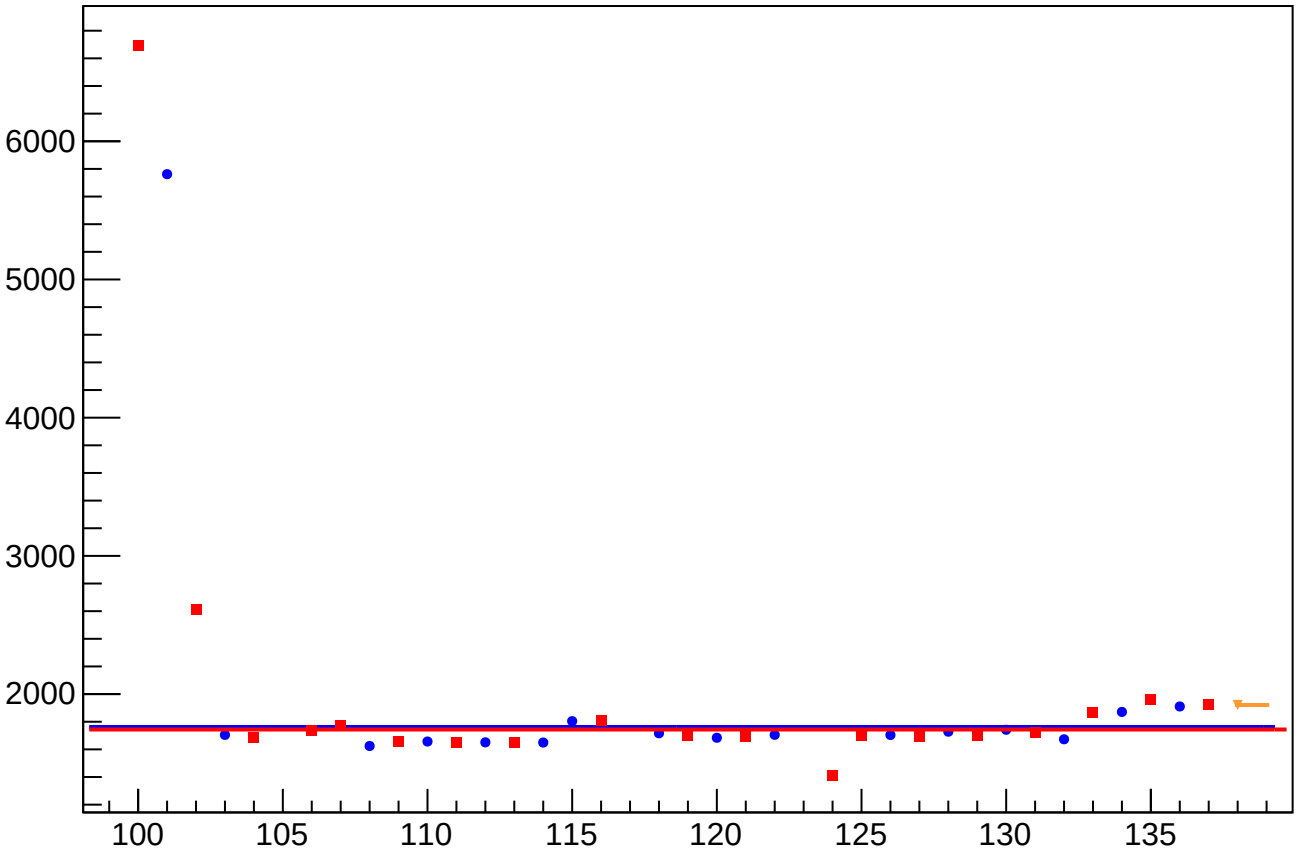
Left: 1486.331+/-2174.751 χ^2/NDF: 0.0/0

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 133.837+/-671.621 χ^2/NDF:17.3/15

Out: 311.787+/-626.684 χ^2/NDF:10.0/19

All: 228.964+/-458.196 χ^2/NDF: 27.3/35



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1921.141+/-1.538 χ^2/NDF:0.0/0

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

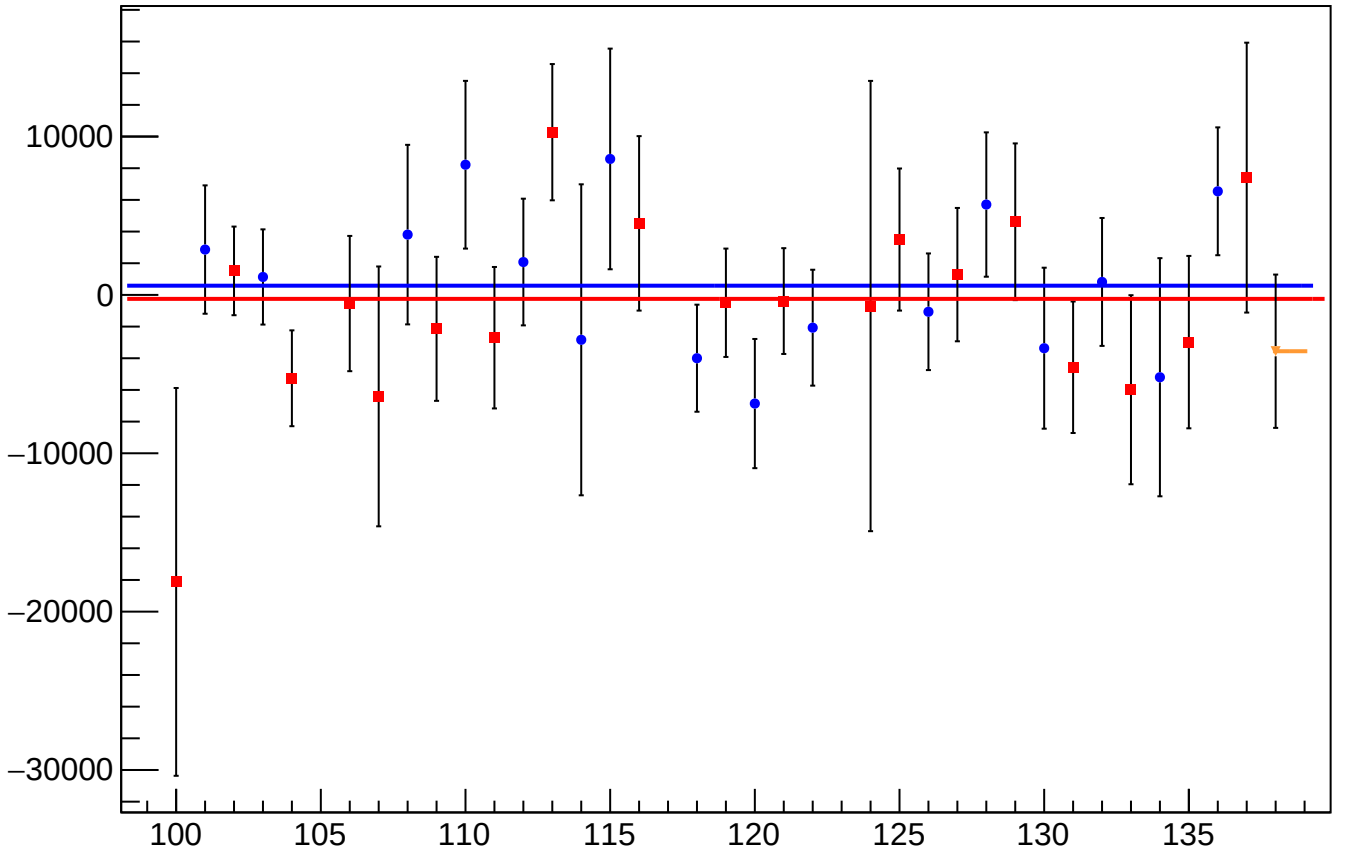
Left: 1921.141+/-1.538 χ^2/NDF: 0.0/0

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1762.052+/-0.475 χ^2/NDF:667696.6/15

Out: 1758.378+/-0.442 χ^2/NDF:239973.4/19

All: 1760.083+/-0.324 χ^2/NDF: 907702.1/35



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -3556.238+/-4840.628 χ^2/NDF:0.0/0

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

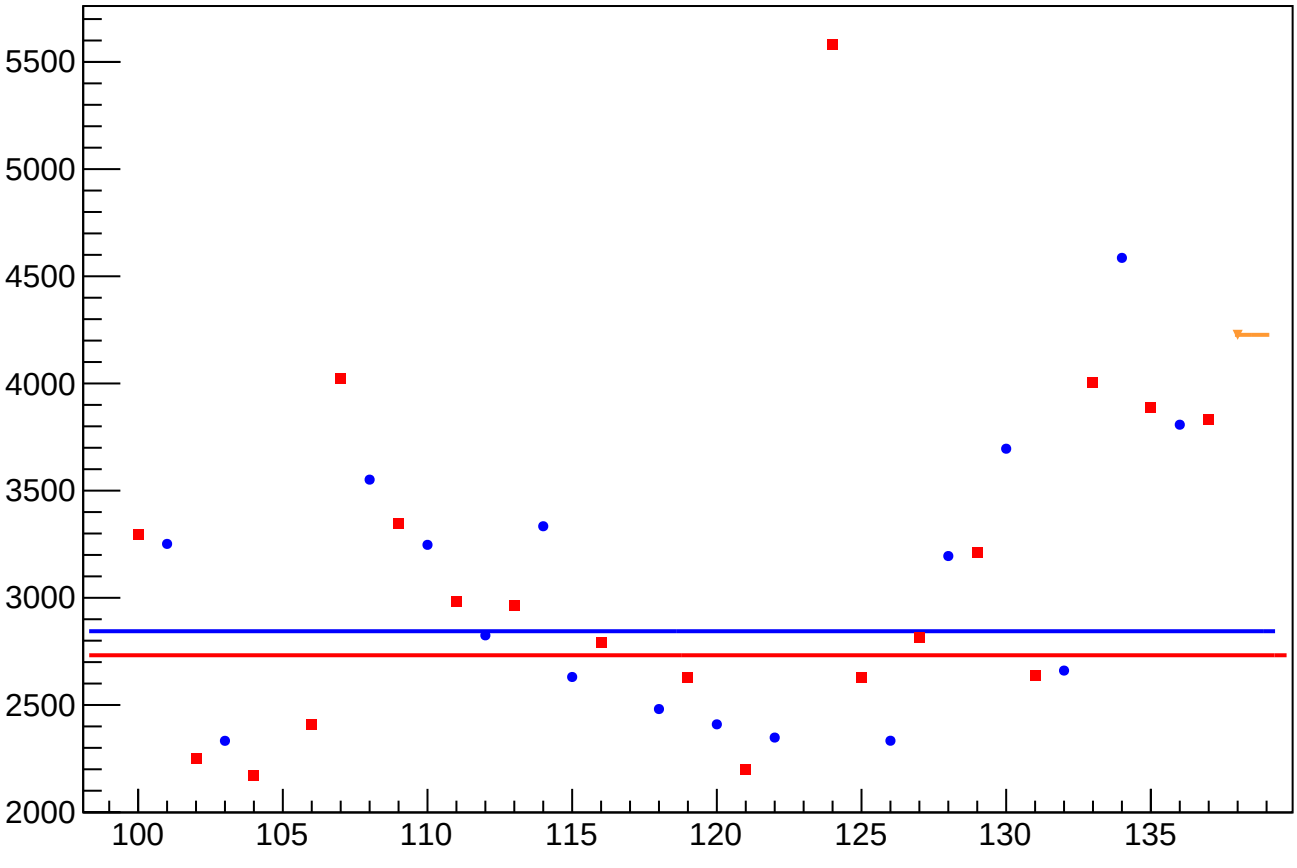
Left: -3556.238+/-4840.628 χ^2/NDF: 0.0/0

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 582.219+/-1081.478 χ^2/NDF:14.9/15

Out: -391.043+/-999.029 χ^2/NDF:18.4/19

All: 57.079+/-733.839 χ^2/NDF: 33.7/35



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4226.860+/-3.423 χ^2/NDF:0.0/0

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4226.860+/-3.423 χ^2/NDF: 0.0/0

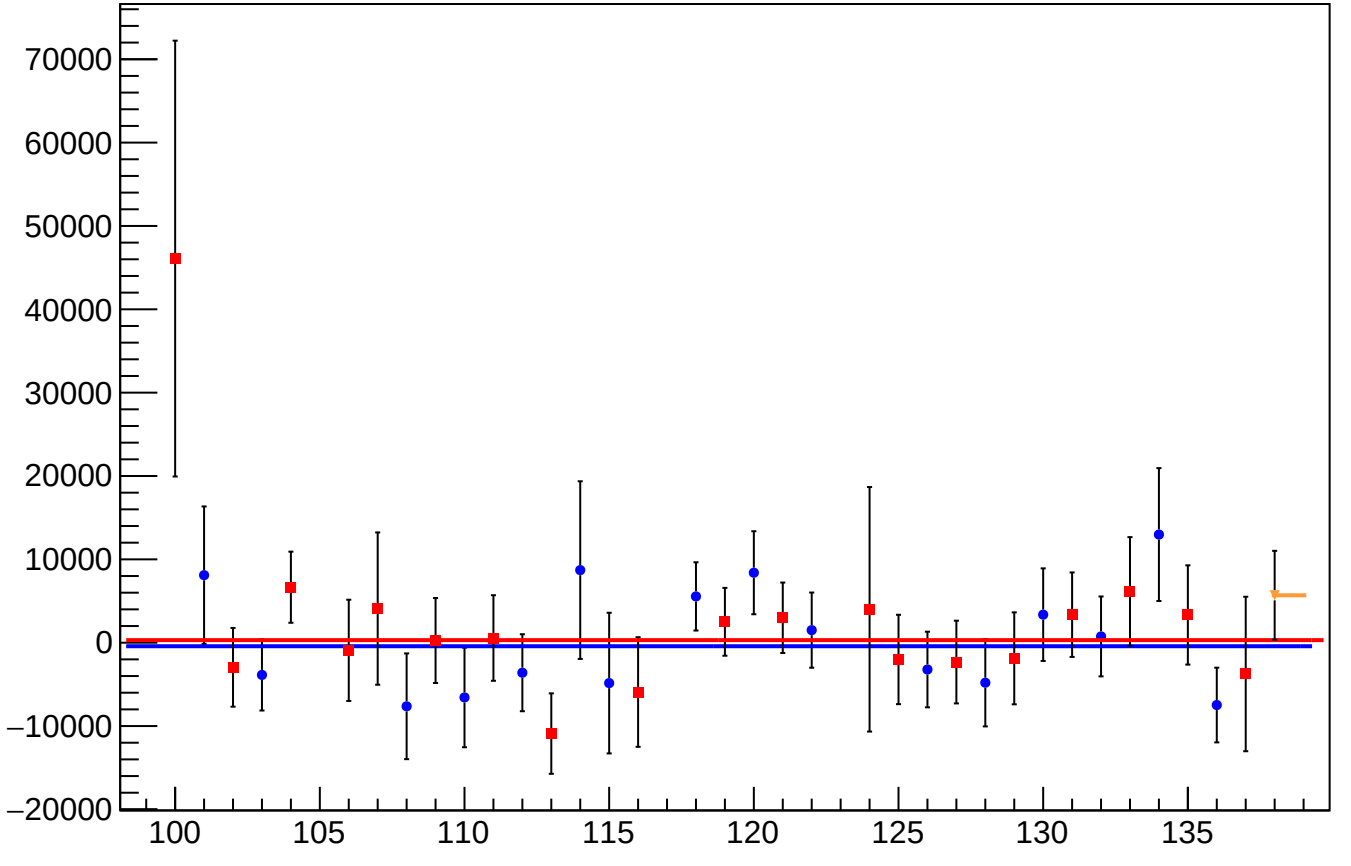
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 2844.145+/-0.765 χ^2/NDF:542036.2/15

Out: 2795.646+/-0.706 χ^2/NDF:793888.9/19

All: 2817.976+/-0.519 χ^2/NDF: 1338095.3/35

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 5689.740+/-5331.188 χ^2/NDF:0.0/0

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 5689.740+/-5331.188 χ^2/NDF: 0.0/0

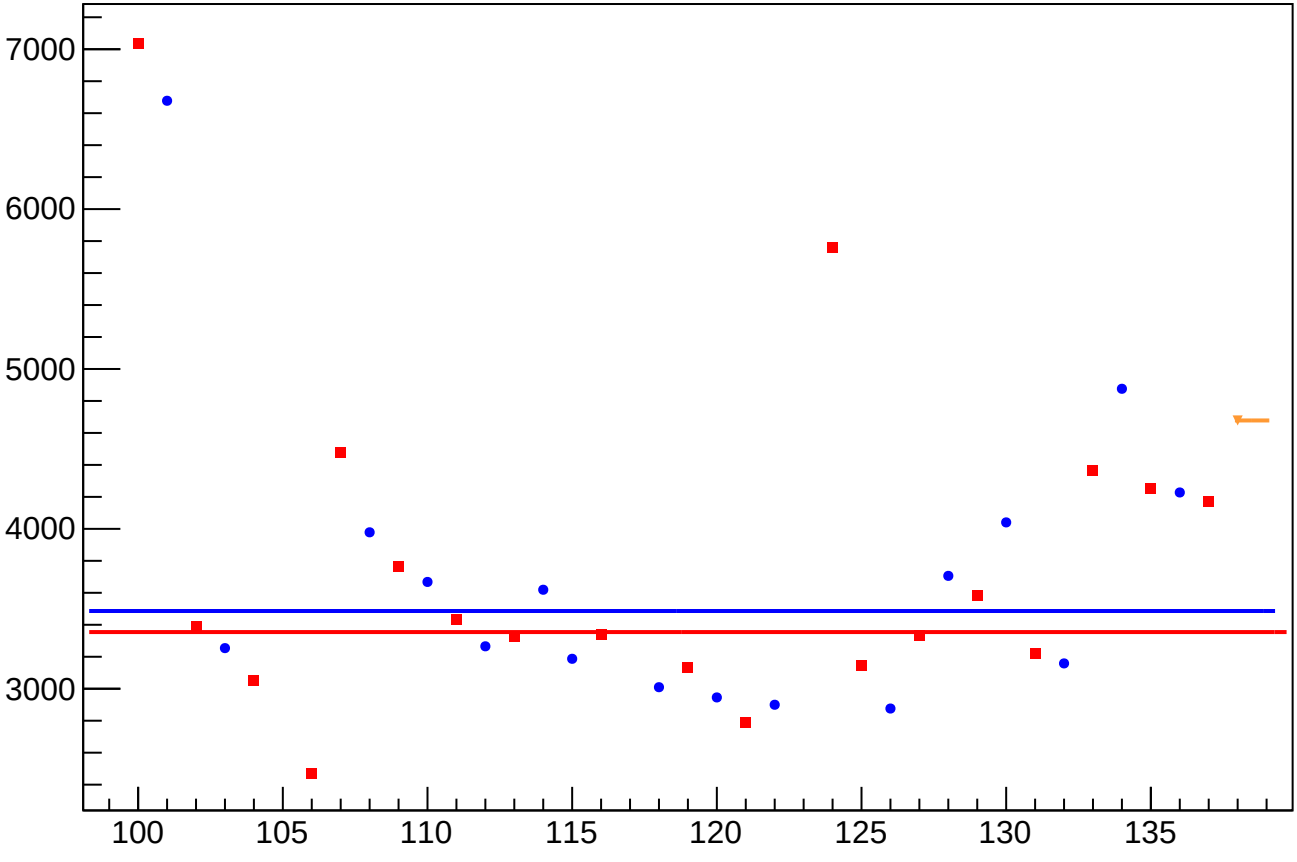
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -423.131+/-1327.258 χ^2/NDF:17.9/15

Out: 599.308+/-1240.690 χ^2/NDF:16.2/19

All: 122.517+/-906.360 χ^2/NDF: 34.4/35

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4678.005+/-3.770 χ^2/NDF:0.0/0

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

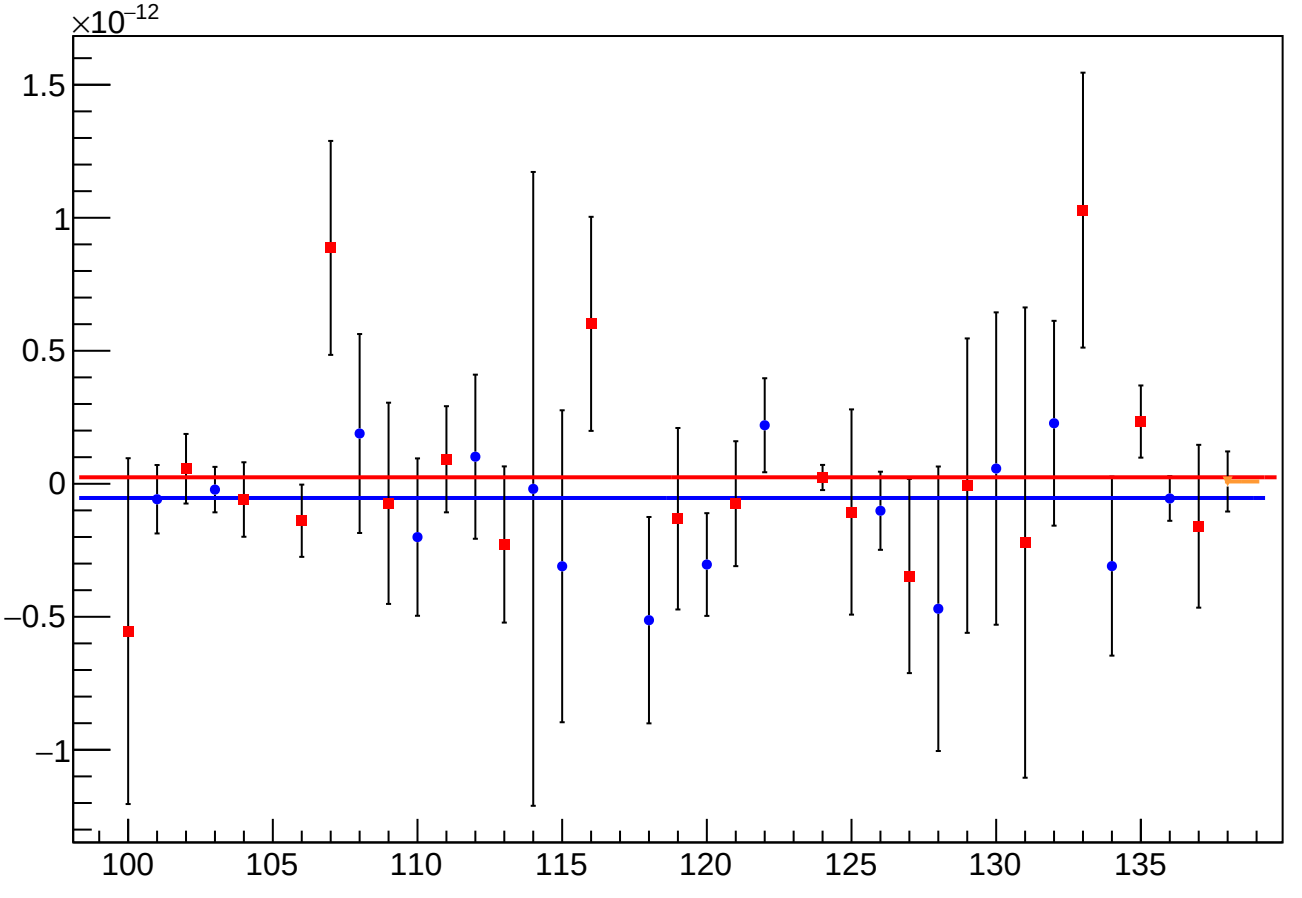
Left: 4678.005+/-3.770 χ^2/NDF: 0.0/0

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3486.167+/-0.939 χ^2/NDF:595790.9/15

Out: 3424.231+/-0.866 χ^2/NDF:493201.6/19

All: 3452.704+/-0.636 χ^2/NDF: 1091345.5/35



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

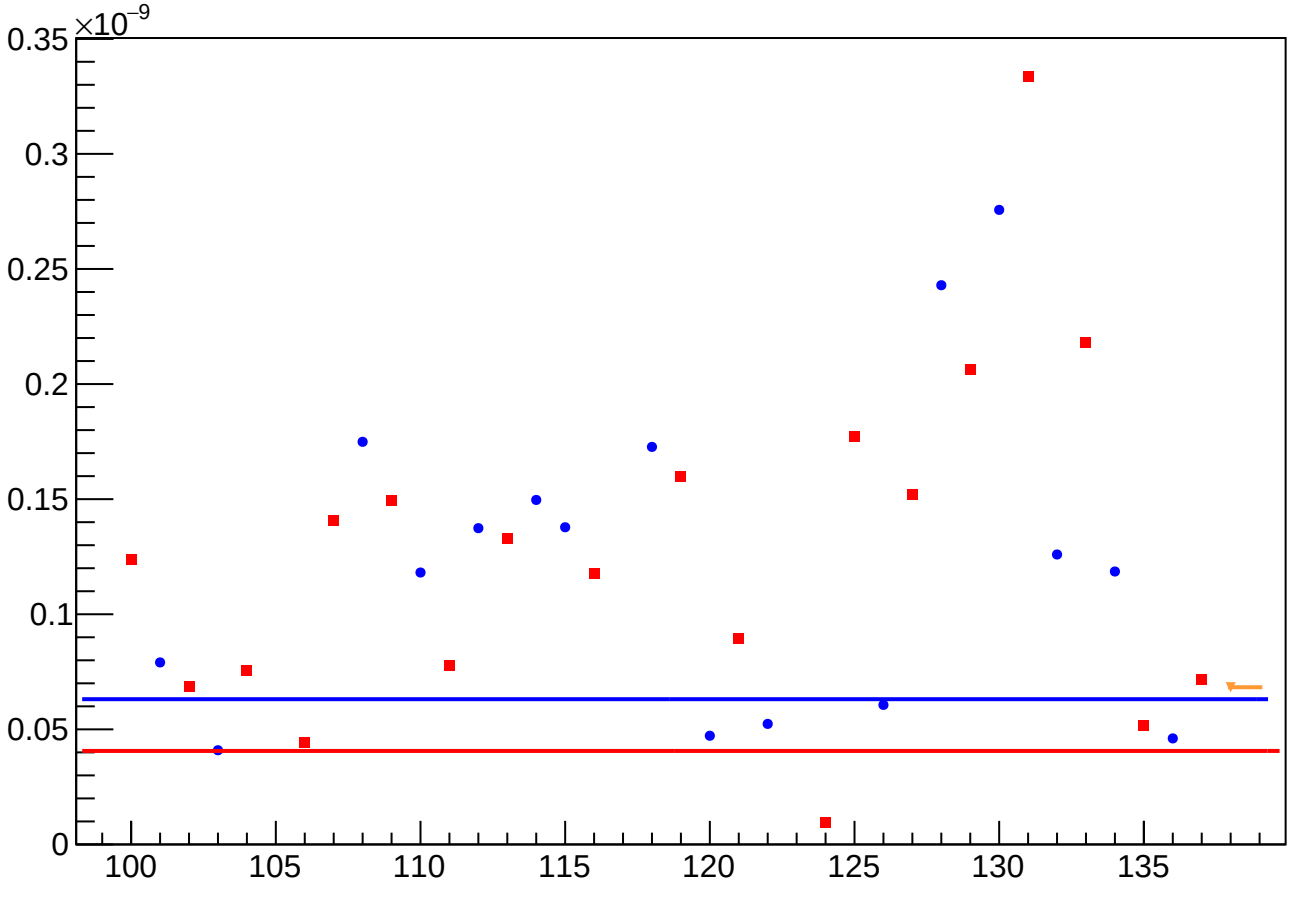
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:8.6/15

Out: 0.000+/-0.000 χ^2/NDF:18.4/19

All: -0.000+/-0.000 χ^2/NDF: 28.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

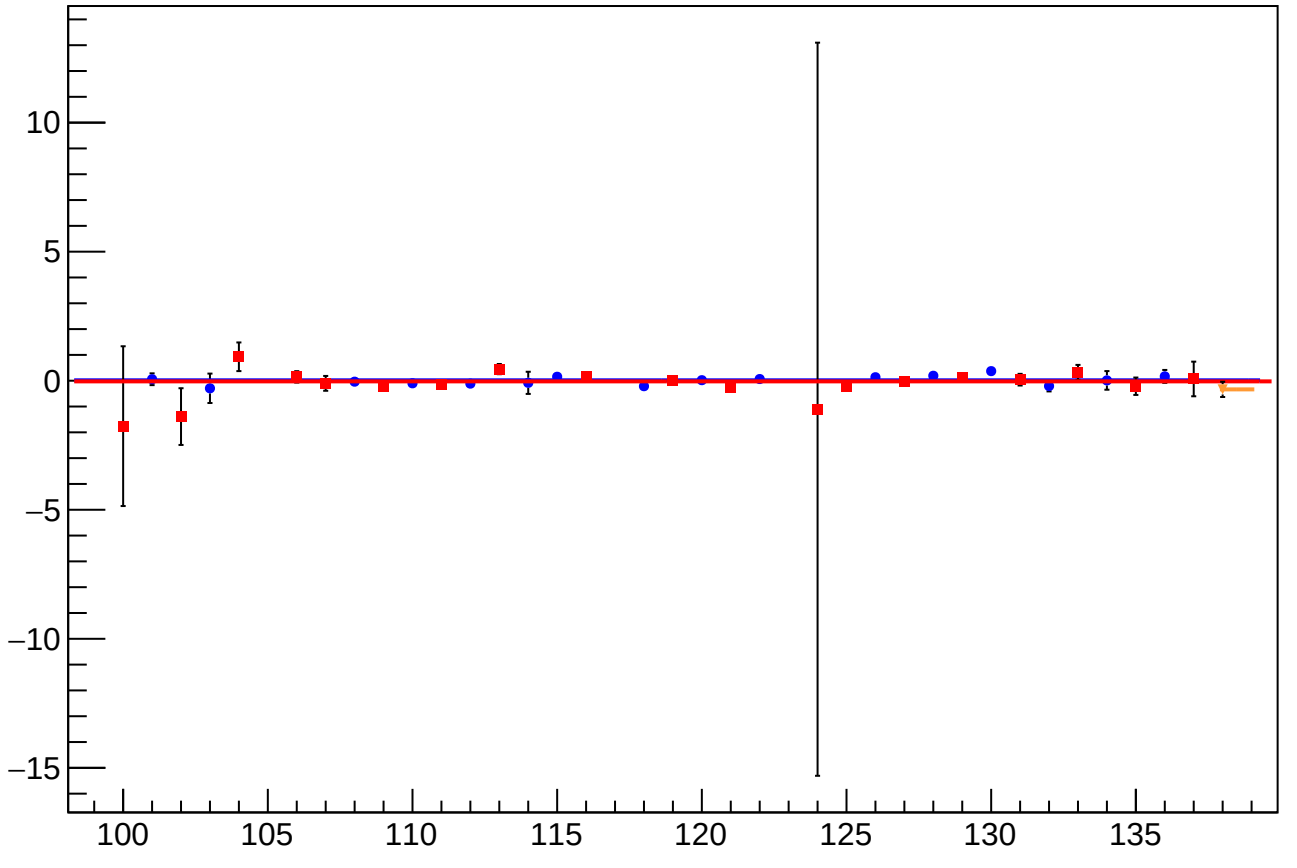
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:1432018.3/15

Out: 0.000+/-0.000 χ^2/NDF:3281355.9/19

All: 0.000+/-0.000 χ^2/NDF: 4967421.4/35



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.336+/-0.295 χ^2/NDF:0.0/0

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

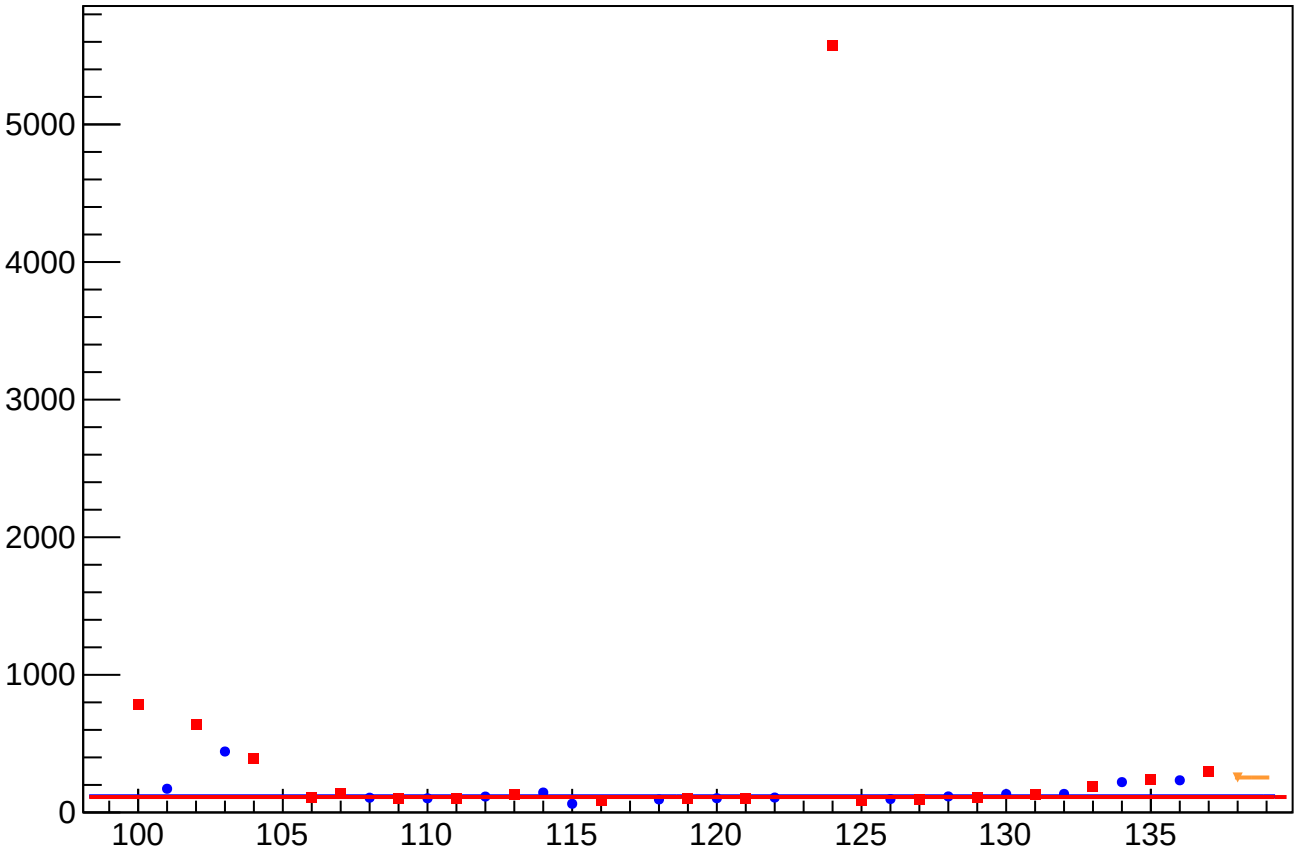
Left: -0.336+/-0.295 χ^2/NDF: 0.0/0

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.015+/-0.048 χ^2/NDF:11.8/15

Out: -0.033+/-0.046 χ^2/NDF:23.2/19

All: -0.010+/-0.033 χ^2/NDF: 35.5/35



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 254.062+/-0.209 χ^2/NDF:0.0/0

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

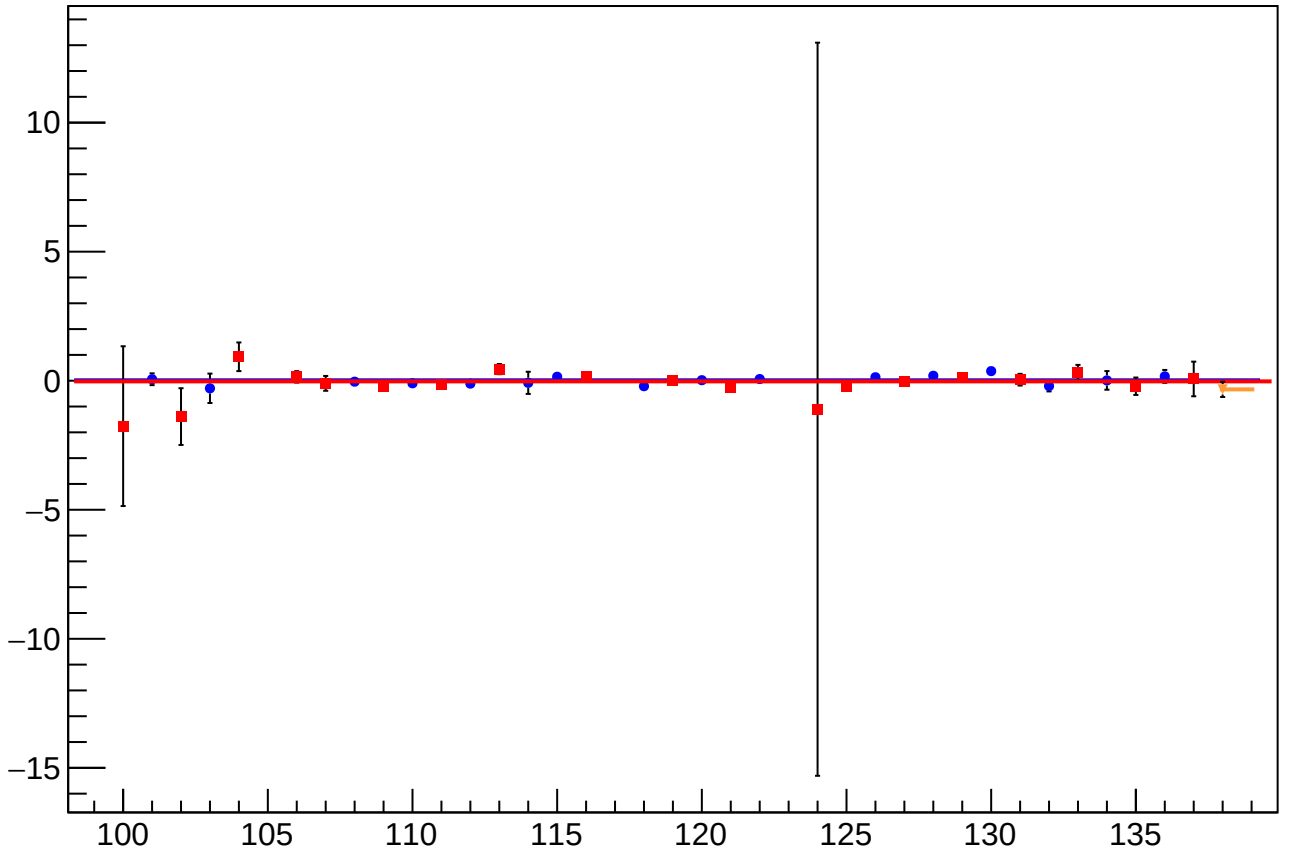
Left: 254.062+/-0.209 χ^2/NDF: 0.0/0

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 117.649+/-0.034 χ^2/NDF:1722401.0/15

Out: 115.613+/-0.033 χ^2/NDF:2637760.7/19

All: 116.596+/-0.024 χ^2/NDF: 4362031.5/35



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.336+/-0.295 χ^2/NDF:0.0/0

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.336+/-0.295 χ^2/NDF: 0.0/0

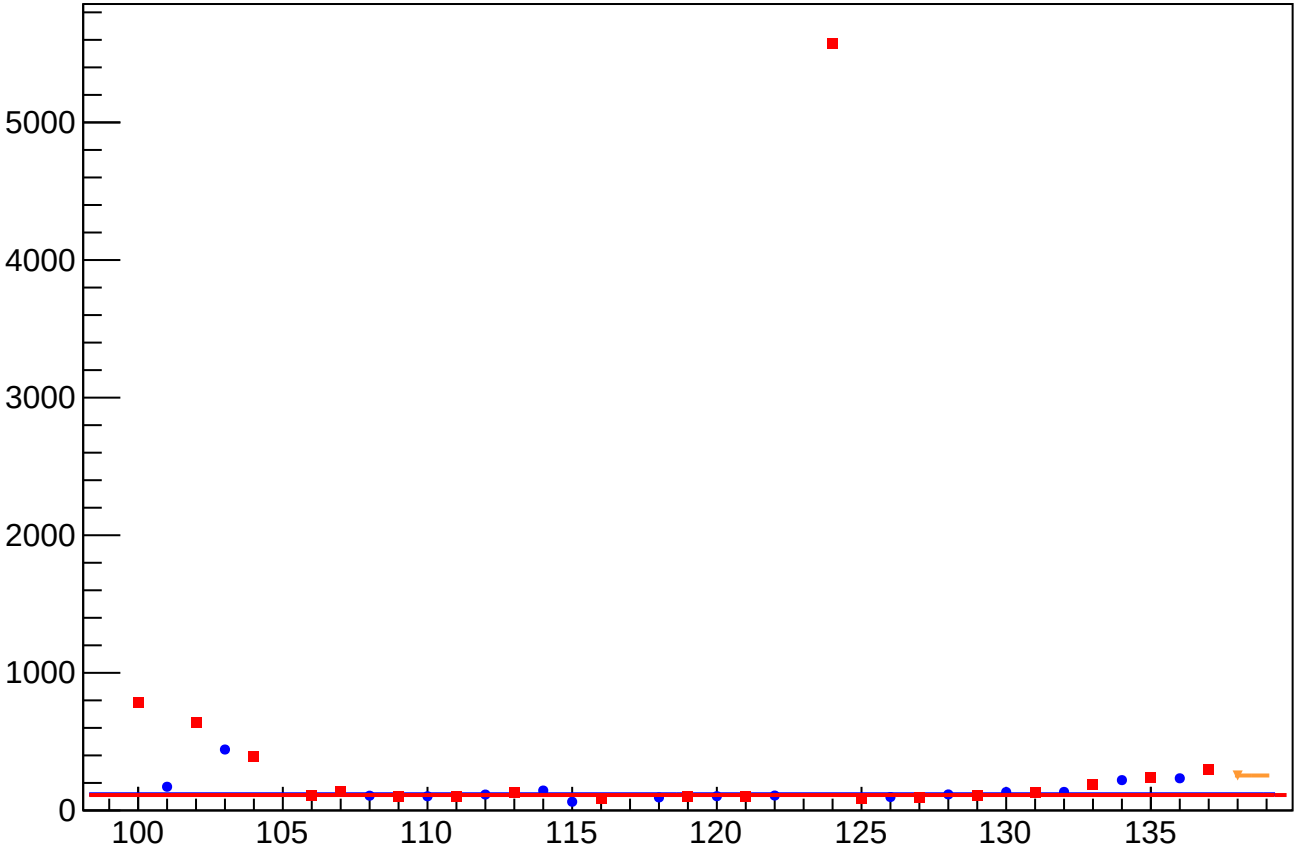
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.015+/-0.048 χ^2/NDF:11.8/15

Out: -0.033+/-0.046 χ^2/NDF:23.2/19

All: -0.010+/-0.033 χ^2/NDF: 35.5/35

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: 254.062+/-0.209 χ^2/NDF:0.0/0

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

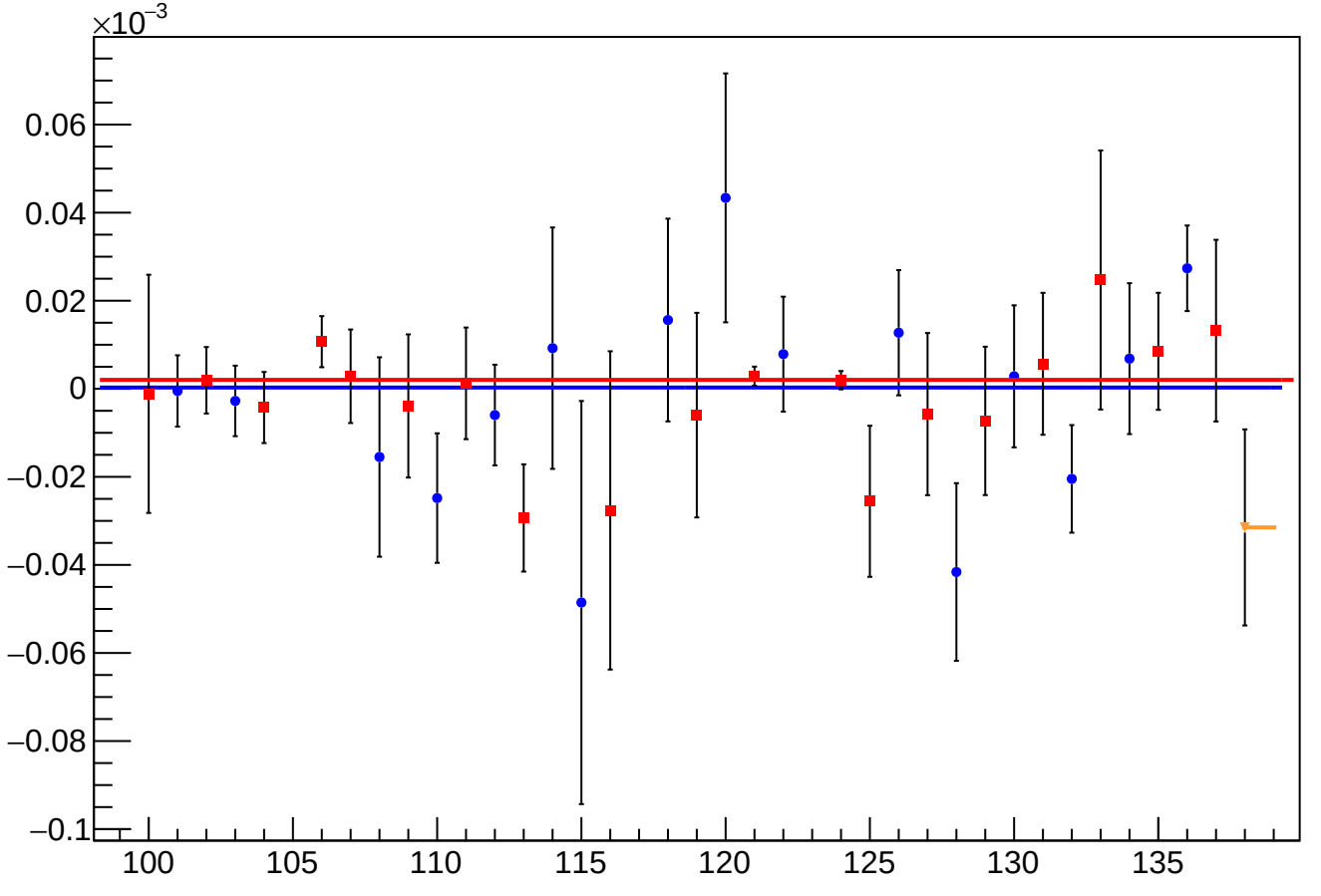
Left: 254.062+/-0.209 χ^2/NDF: 0.0/0

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 117.649+/-0.034 χ^2/NDF:1722401.0/15

Out: 115.613+/-0.033 χ^2/NDF:2637760.7/19

All: 116.596+/-0.024 χ^2/NDF: 4362031.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

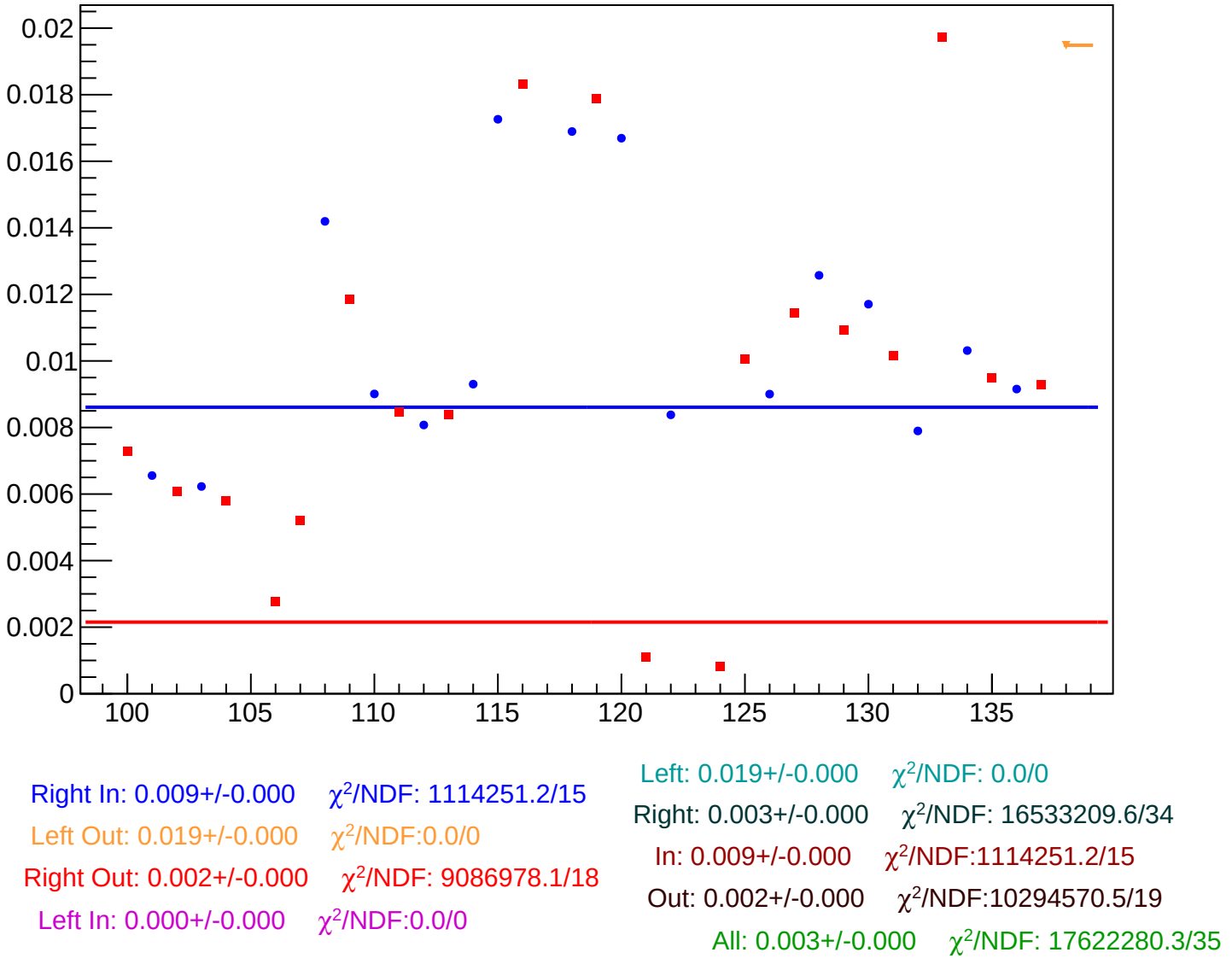
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

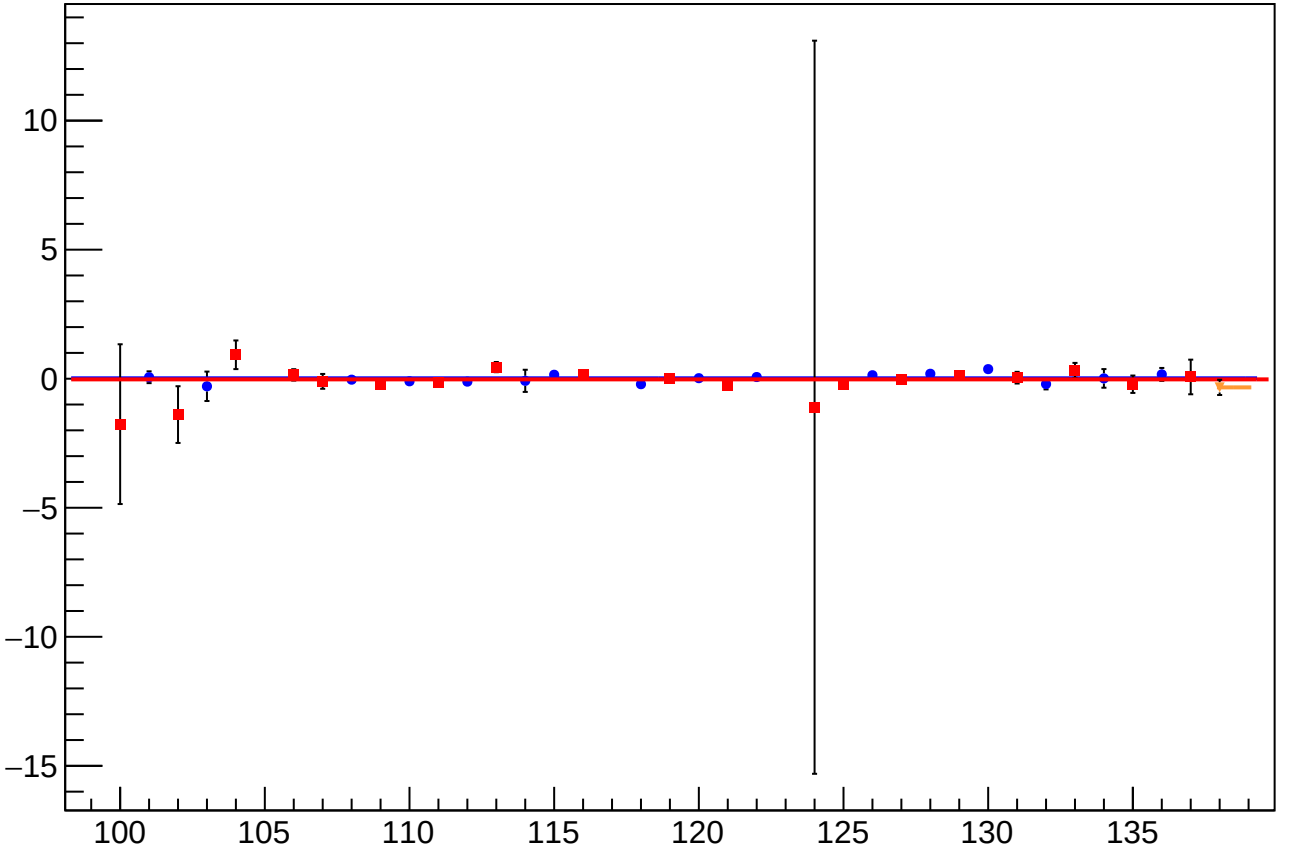
In: 0.000+/-0.000 χ^2/NDF:24.1/15

Out: 0.000+/-0.000 χ^2/NDF:17.1/19

All: 0.000+/-0.000 χ^2/NDF: 41.4/35


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
105
110
115
120
125
130
135
Right In: 0.009+/-0.000 χ²/NDF: 1114251.2/15
Left Out: 0.019+/-0.000 χ²/NDF:0.0/0
Right Out: 0.002+/-0.000 χ²/NDF: 9086978.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.019+/-0.000 χ²/NDF: 0.0/0
Right: 0.003+/-0.000 χ²/NDF: 16533209.6/34
In: 0.009+/-0.000 χ²/NDF:1114251.2/15
Out: 0.002+/-0.000 χ²/NDF:10294570.5/19
All: 0.003+/-0.000 χ²/NDF: 17622280.3/35

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: -0.336+/-0.295 χ^2/NDF:0.0/0

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.336+/-0.295 χ^2/NDF: 0.0/0

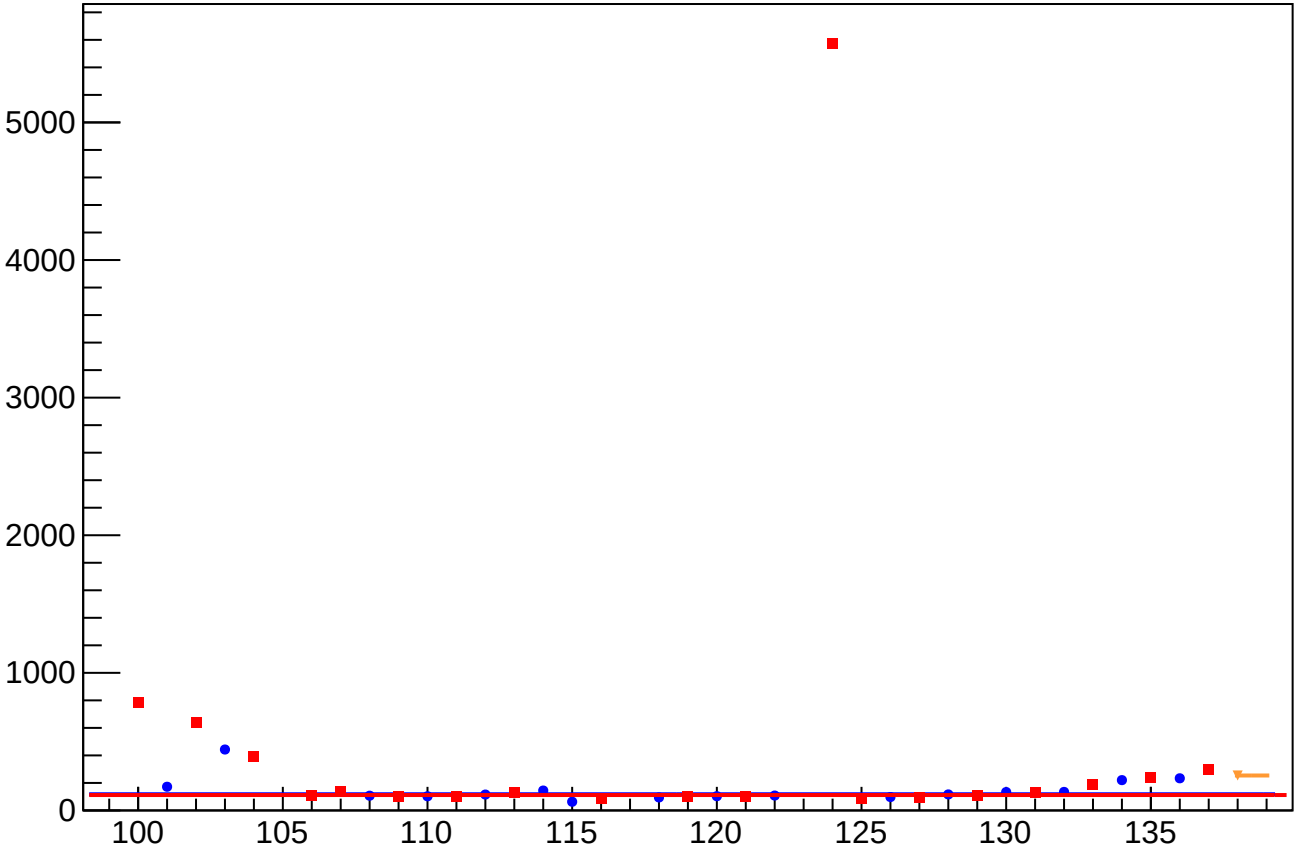
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.015+/-0.048 χ^2/NDF:11.8/15

Out: -0.033+/-0.046 χ^2/NDF:23.2/19

All: -0.010+/-0.033 χ^2/NDF: 35.5/35

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: 254.064+/-0.209 χ^2/NDF:0.0/0

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 254.064+/-0.209 χ^2/NDF: 0.0/0

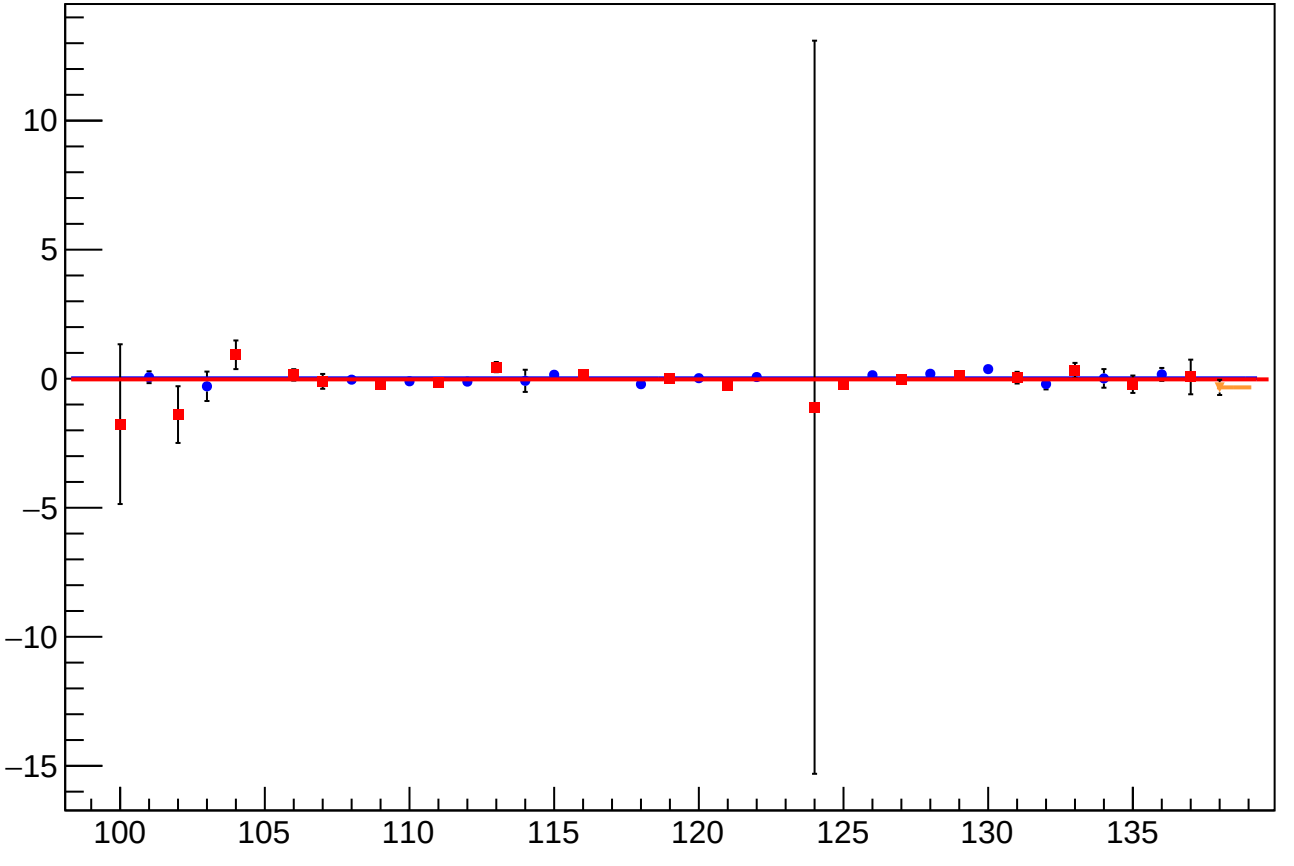
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 117.649+/-0.034 χ^2/NDF:1722367.8/15

Out: 115.615+/-0.033 χ^2/NDF:2637690.7/19

All: 116.597+/-0.024 χ^2/NDF: 4361925.3/35

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: -0.336+/-0.295 χ^2/NDF:0.0/0

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.336+/-0.295 χ^2/NDF: 0.0/0

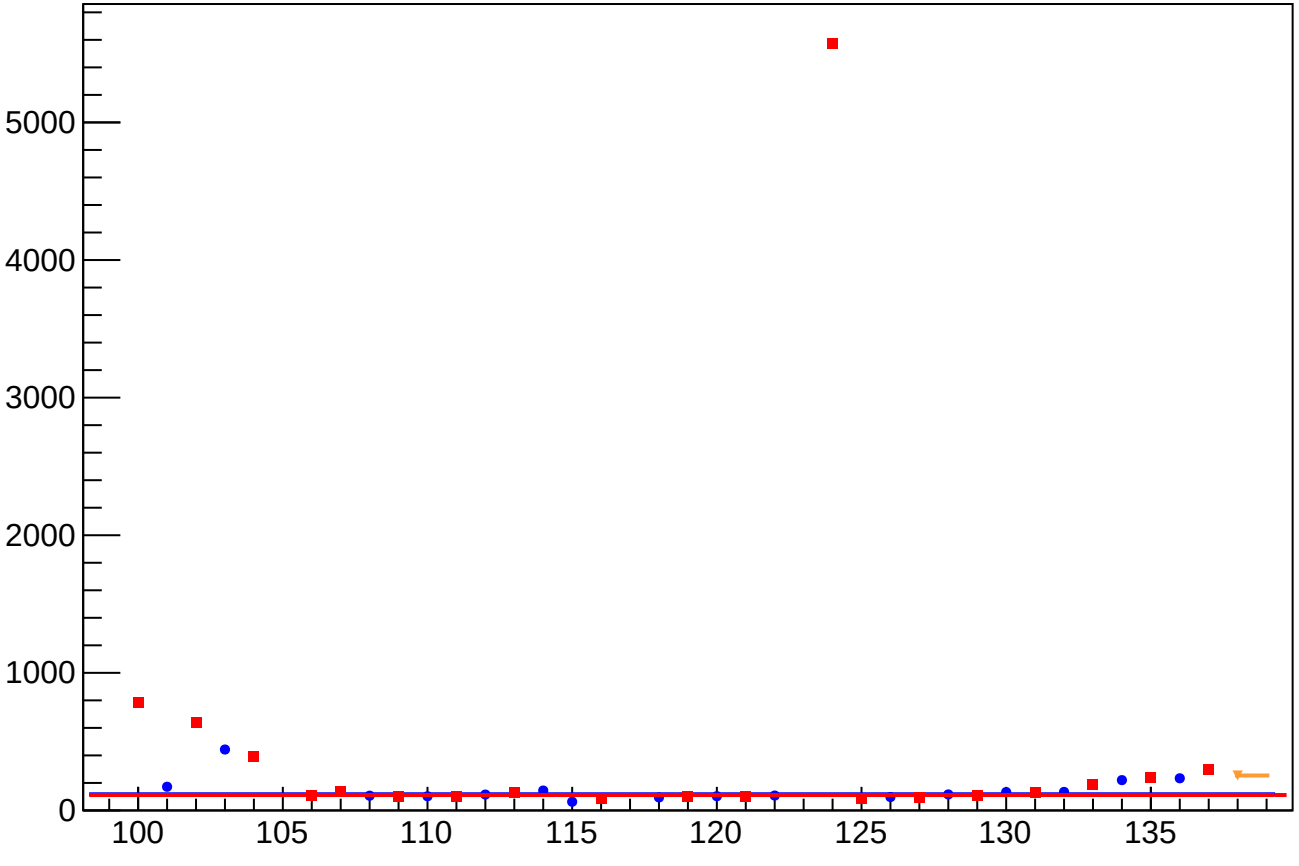
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.015+/-0.048 χ^2/NDF:11.8/15

Out: -0.033+/-0.046 χ^2/NDF:23.2/19

All: -0.010+/-0.033 χ^2/NDF: 35.5/35

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: 254.064+/-0.209 χ^2/NDF:0.0/0

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

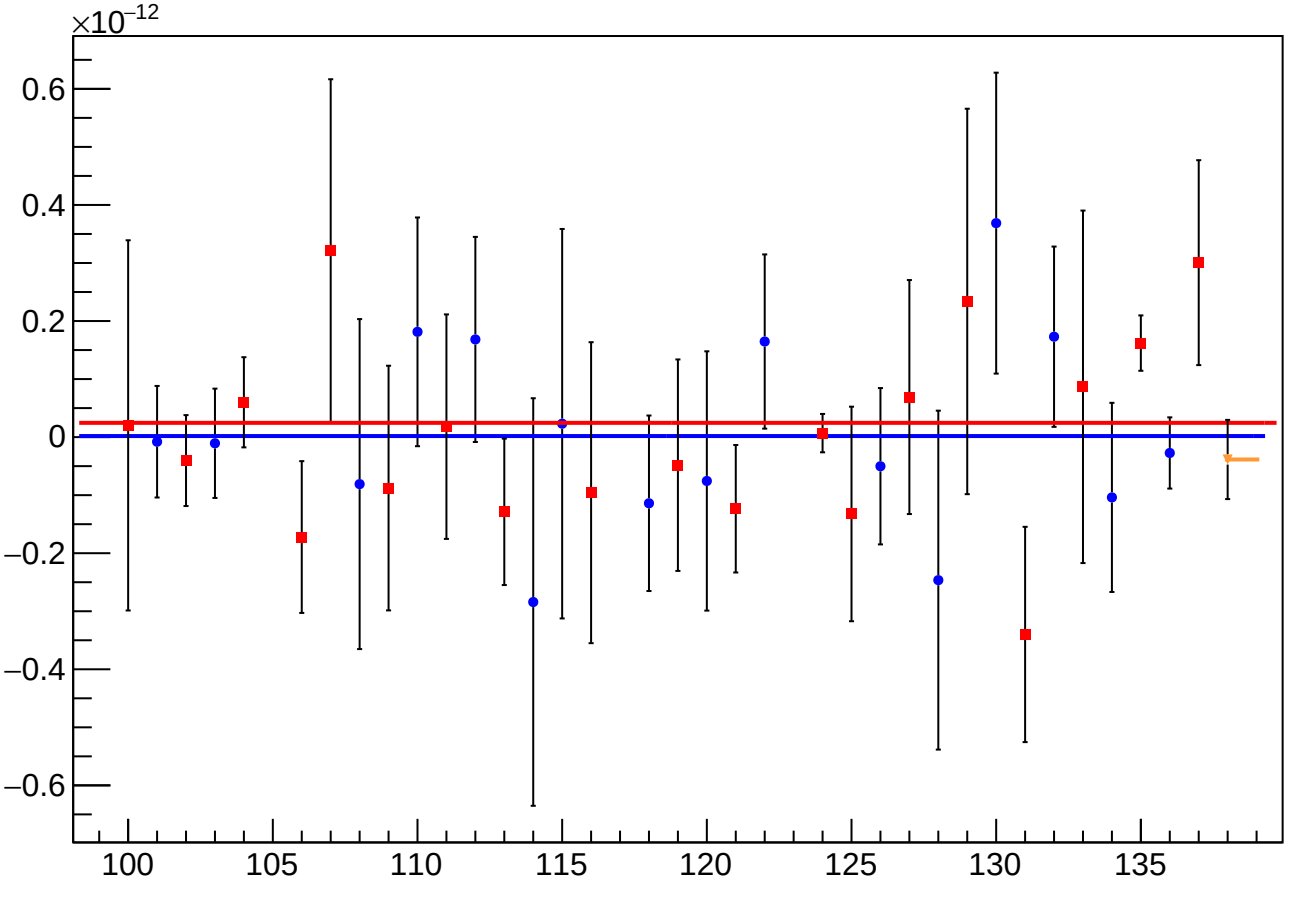
Left: 254.064+/-0.209 χ^2/NDF: 0.0/0

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 117.649+/-0.034 χ^2/NDF:1722367.8/15

Out: 115.615+/-0.033 χ^2/NDF:2637690.7/19

All: 116.597+/-0.024 χ^2/NDF: 4361925.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

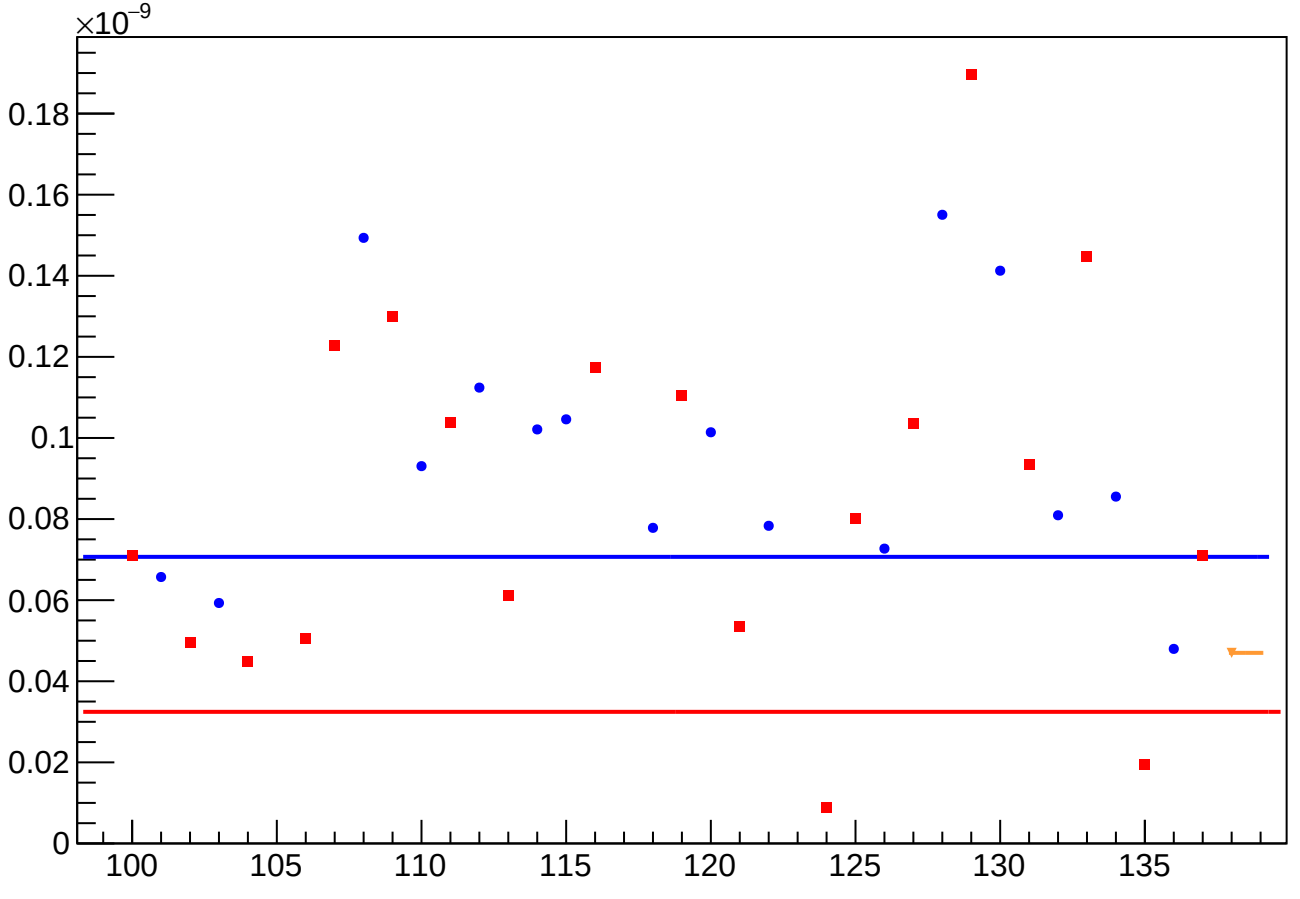
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:9.1/15

Out: 0.000+/-0.000 χ^2/NDF:25.0/19

All: 0.000+/-0.000 χ^2/NDF: 34.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

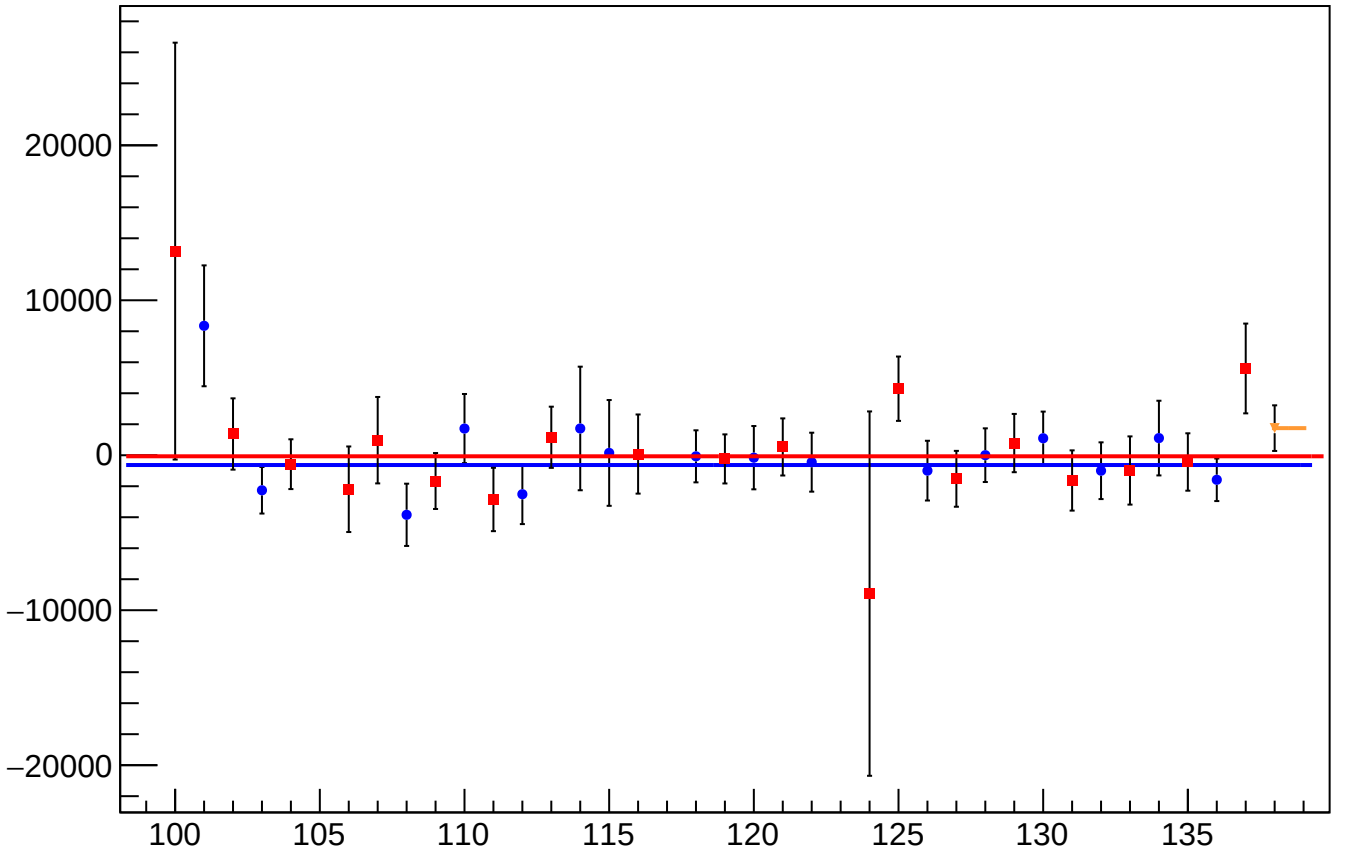
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:1023708.6/15

Out: 0.000+/-0.000 χ^2/NDF:4531763.6/19

All: 0.000+/-0.000 χ^2/NDF: 7244922.5/35



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1749.176+/-1472.063 χ^2/NDF:0.0/0

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

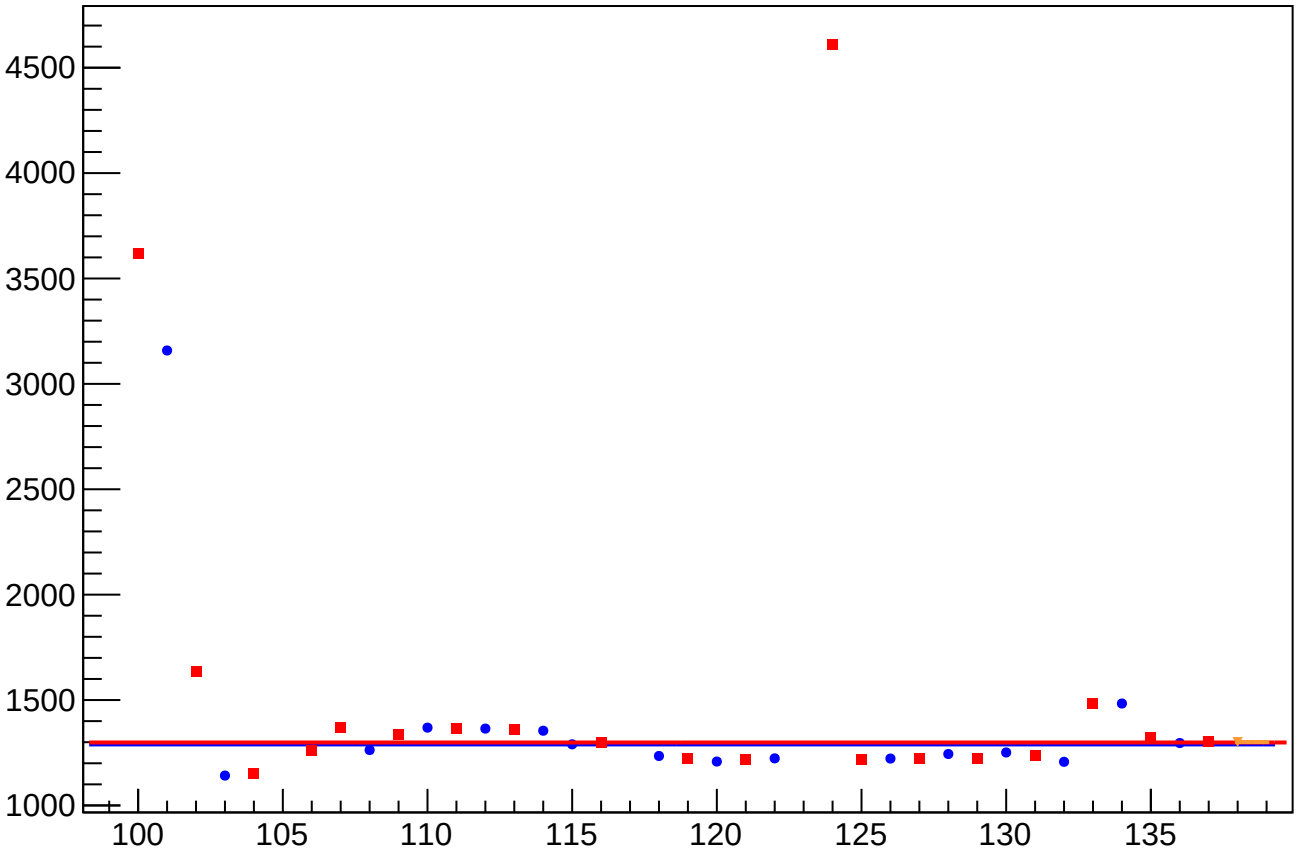
Left: 1749.176+/-1472.063 χ^2/NDF: 0.0/0

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -631.041+/-488.663 χ^2/NDF:13.9/15

Out: 112.092+/-463.006 χ^2/NDF:17.2/19

All: -239.454+/-336.099 χ^2/NDF: 32.4/35



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1300.423+/-1.041 χ^2/NDF:0.0/0

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

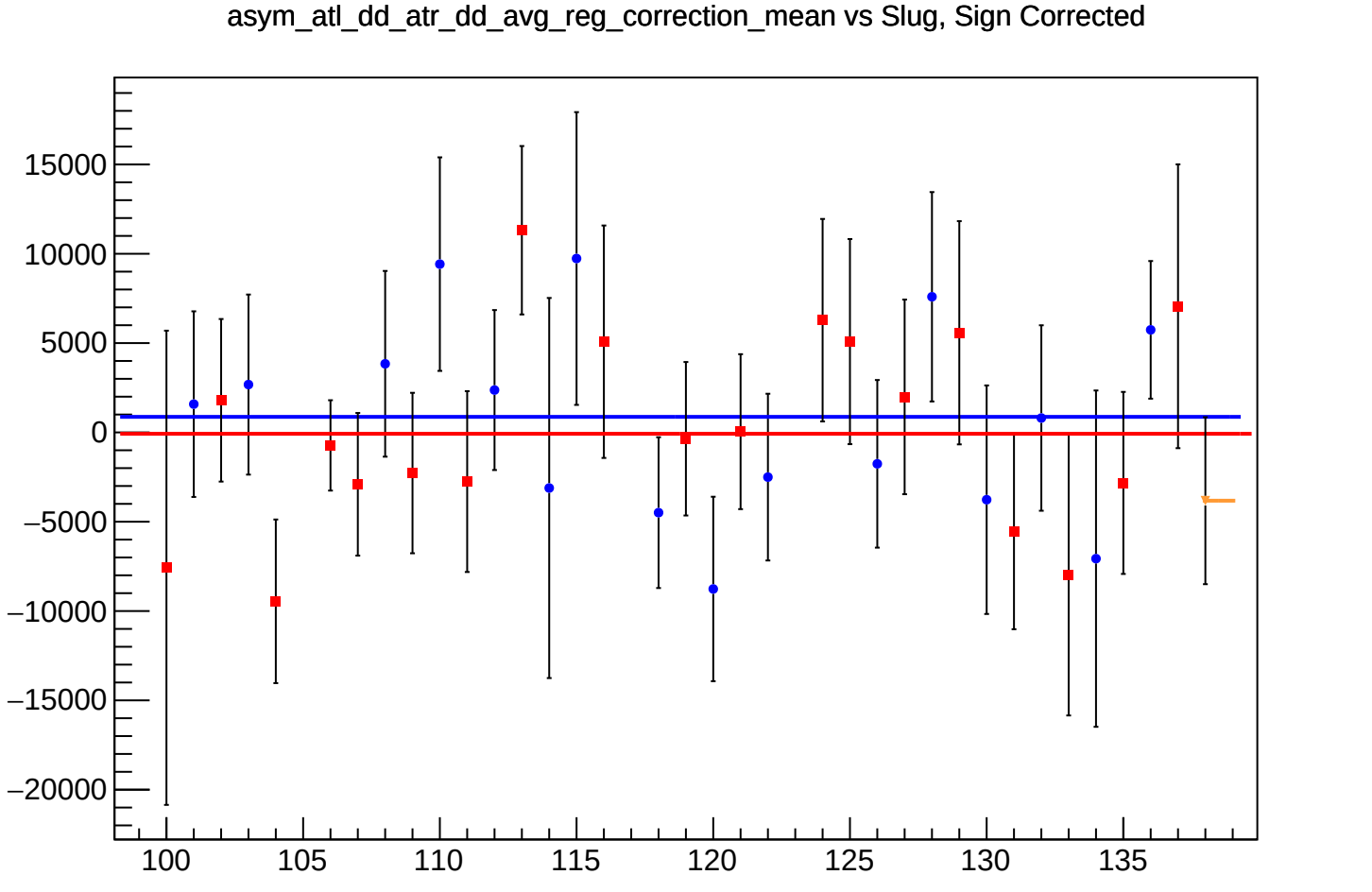
Left: 1300.423+/-1.041 χ^2/NDF: 0.0/0

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1289.466+/-0.346 χ^2/NDF:514675.0/15

Out: 1298.830+/-0.327 χ^2/NDF:319377.5/19

All: 1294.411+/-0.237 χ^2/NDF: 834440.3/35



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -3822.471+/-4673.884 χ^2/NDF:0.0/0

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

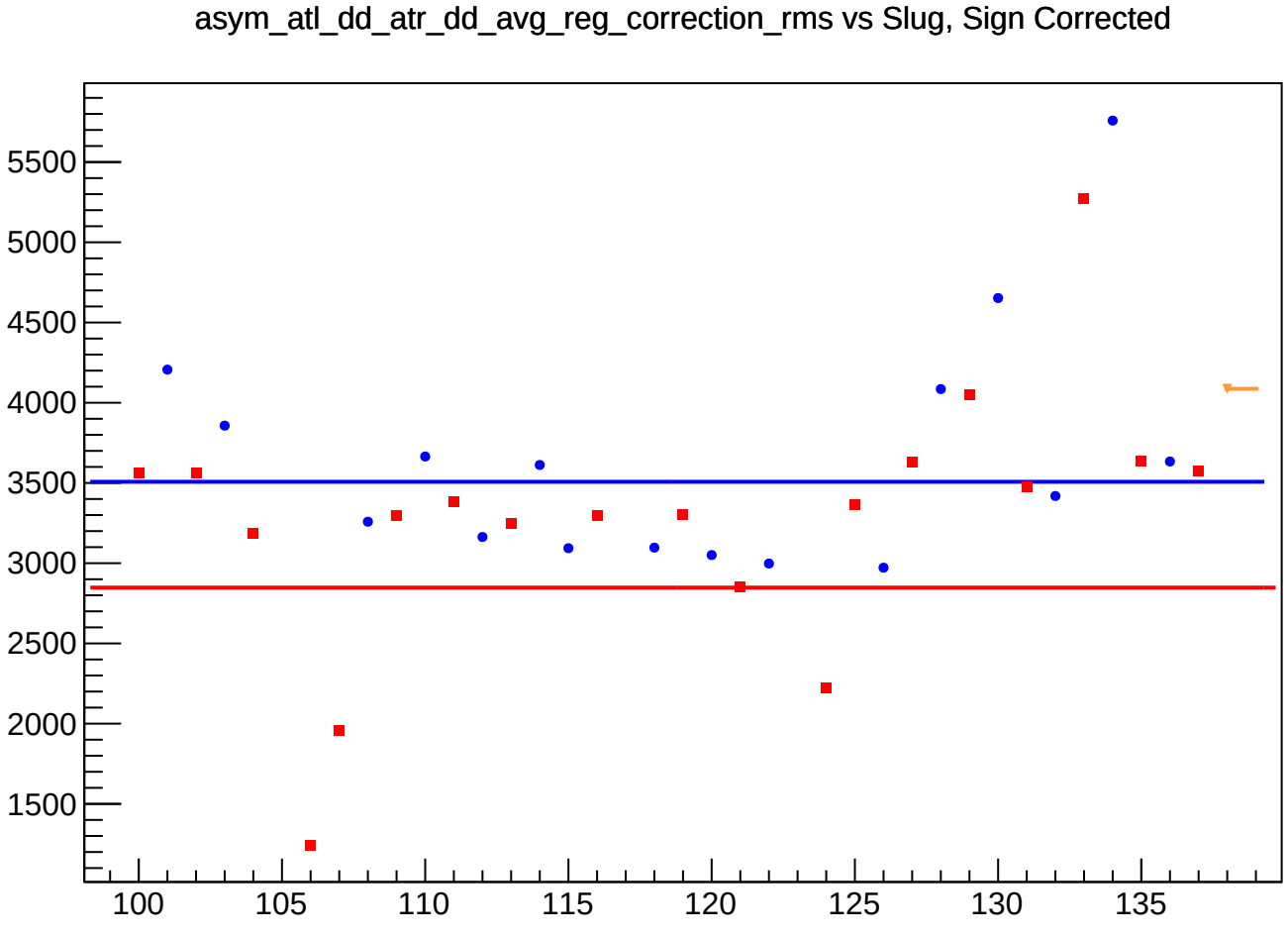
Left: -3822.471+/-4673.884 χ^2/NDF: 0.0/0

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 870.295+/-1325.278 χ^2/NDF:14.0/15

Out: -277.644+/-1080.951 χ^2/NDF:19.0/19

All: 180.954+/-837.652 χ^2/NDF: 33.5/35



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 4086.792+/-3.305 χ^2/NDF:0.0/0

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

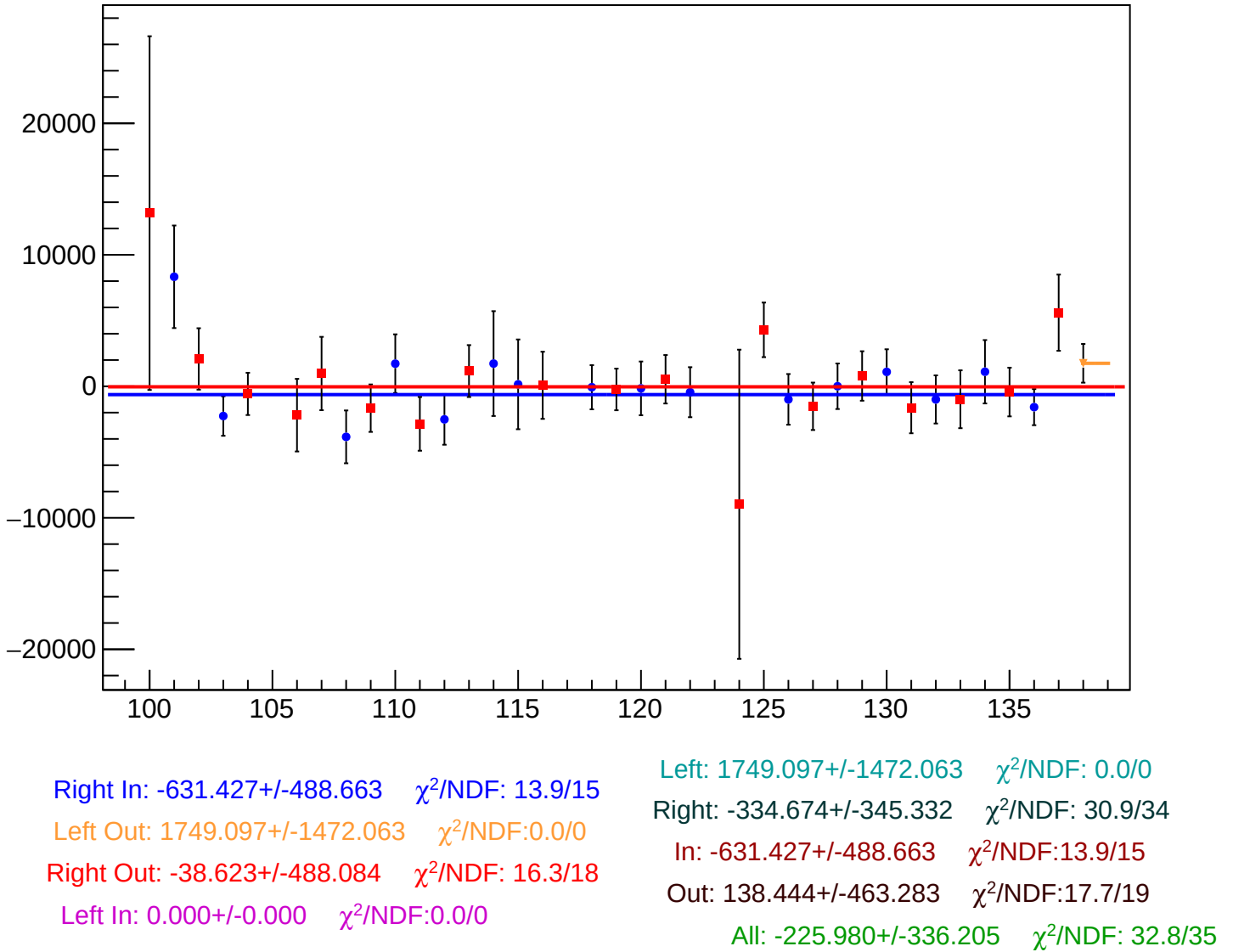
Left: 4086.792+/-3.305 χ^2/NDF: 0.0/0

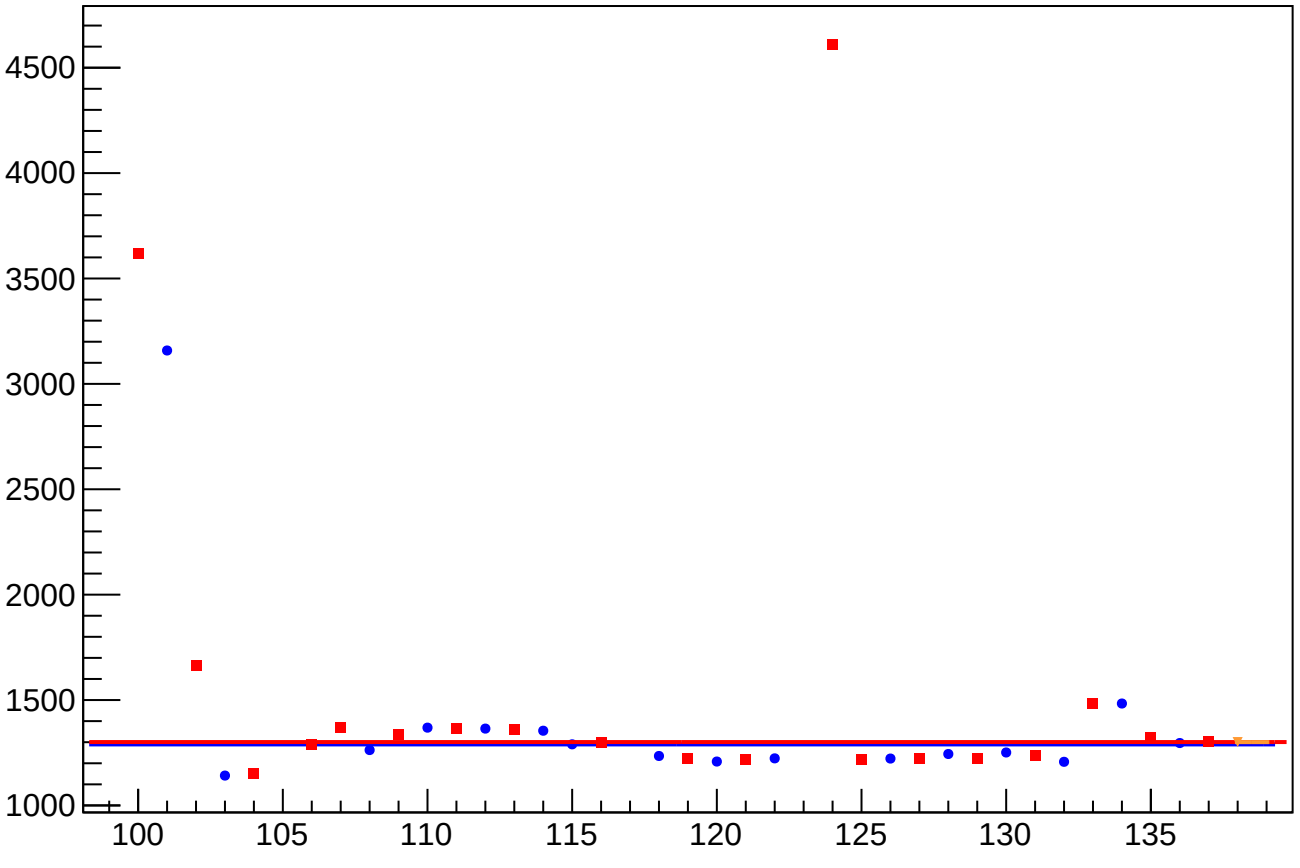
Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3507.397+/-0.937 χ^2/NDF:353979.1/15

Out: 2914.102+/-0.764 χ^2/NDF:1632392.8/19

All: 3151.122+/-0.592 χ^2/NDF: 2227069.8/35


cor_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 1749.097+/-1472.063 χ²/NDF:0.0/0
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1749.097+/-1472.063 χ²/NDF: 0.0/0
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -631.427+/-488.663 χ²/NDF:13.9/15
Out: 138.444+/-463.283 χ²/NDF:17.7/19
All: -225.980+/-336.205 χ²/NDF: 32.8/35



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.423+/-1.041 χ^2/NDF:0.0/0

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

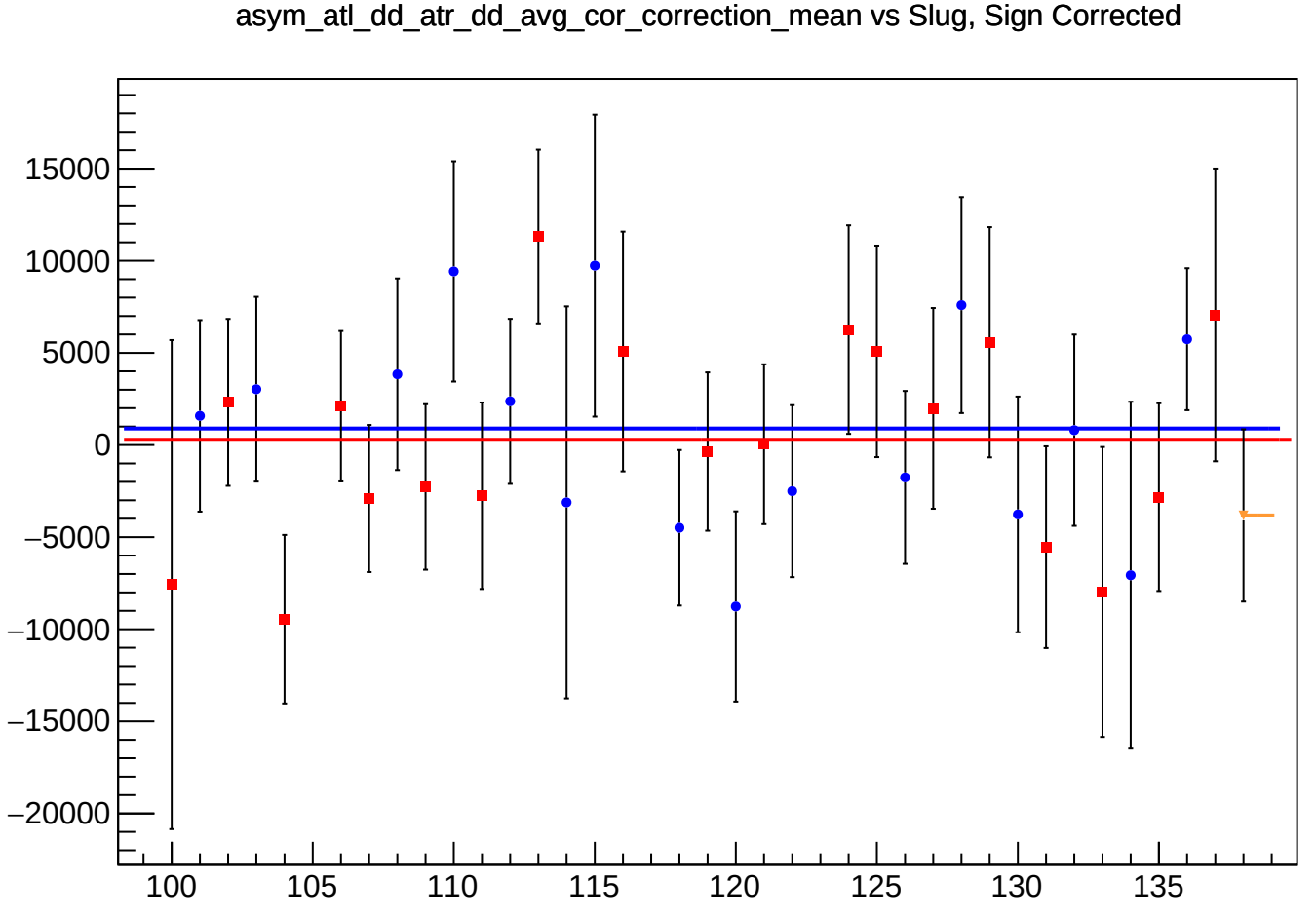
Left: 1300.423+/-1.041 χ^2/NDF: 0.0/0

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.466+/-0.346 χ^2/NDF:514676.5/15

Out: 1300.658+/-0.327 χ^2/NDF:325907.7/19

All: 1295.370+/-0.238 χ^2/NDF: 841137.6/35



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3822.622+/-4673.882 χ^2/NDF:0.0/0

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

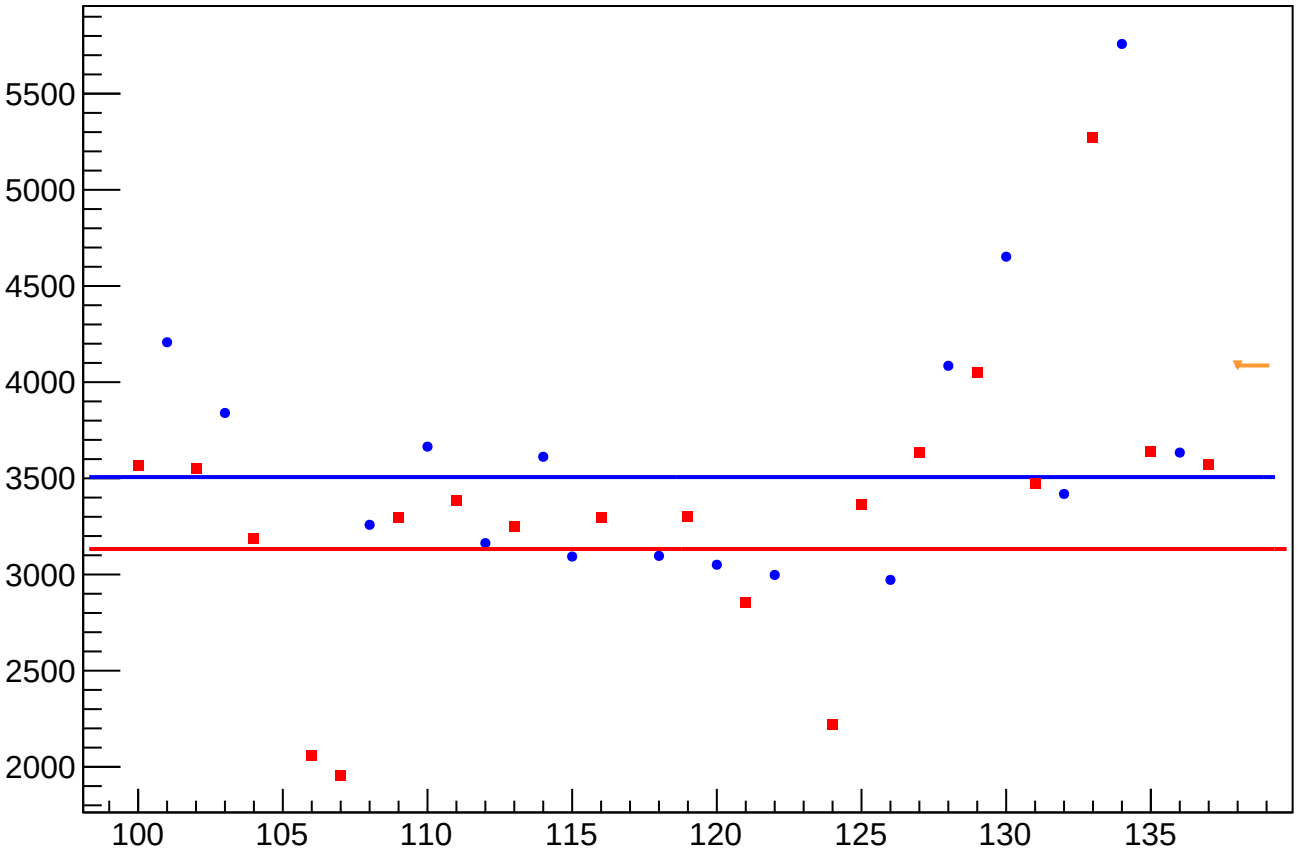
Left: -3822.622+/-4673.882 χ^2/NDF: 0.0/0

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 896.017+/-1324.823 χ^2/NDF:14.1/15

Out: 36.650+/-1146.991 χ^2/NDF:19.3/19

All: 404.826+/-867.154 χ^2/NDF: 33.7/35



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 4086.790+/-3.305 χ^2/NDF:0.0/0

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

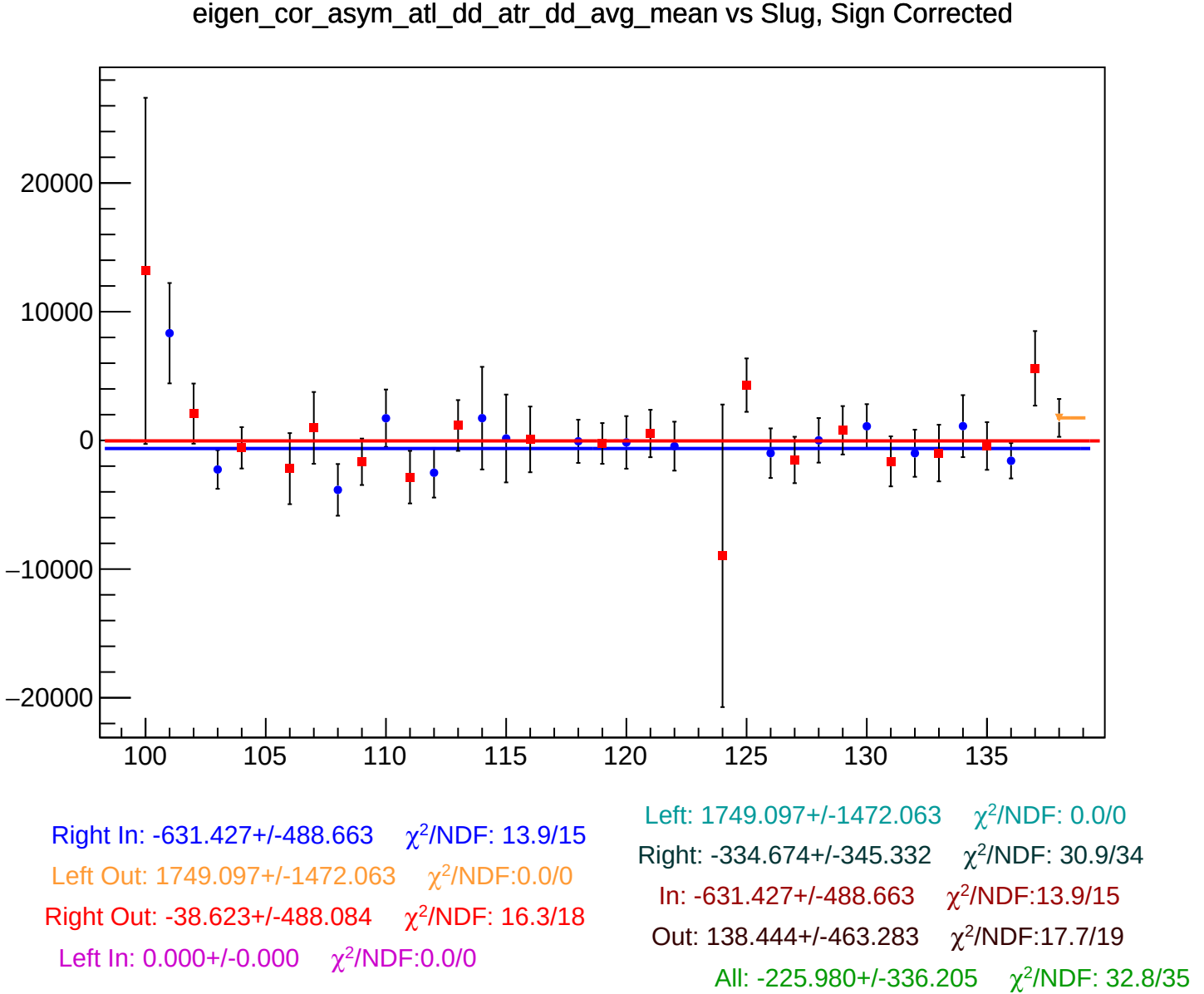
Left: 4086.790+/-3.305 χ^2/NDF: 0.0/0

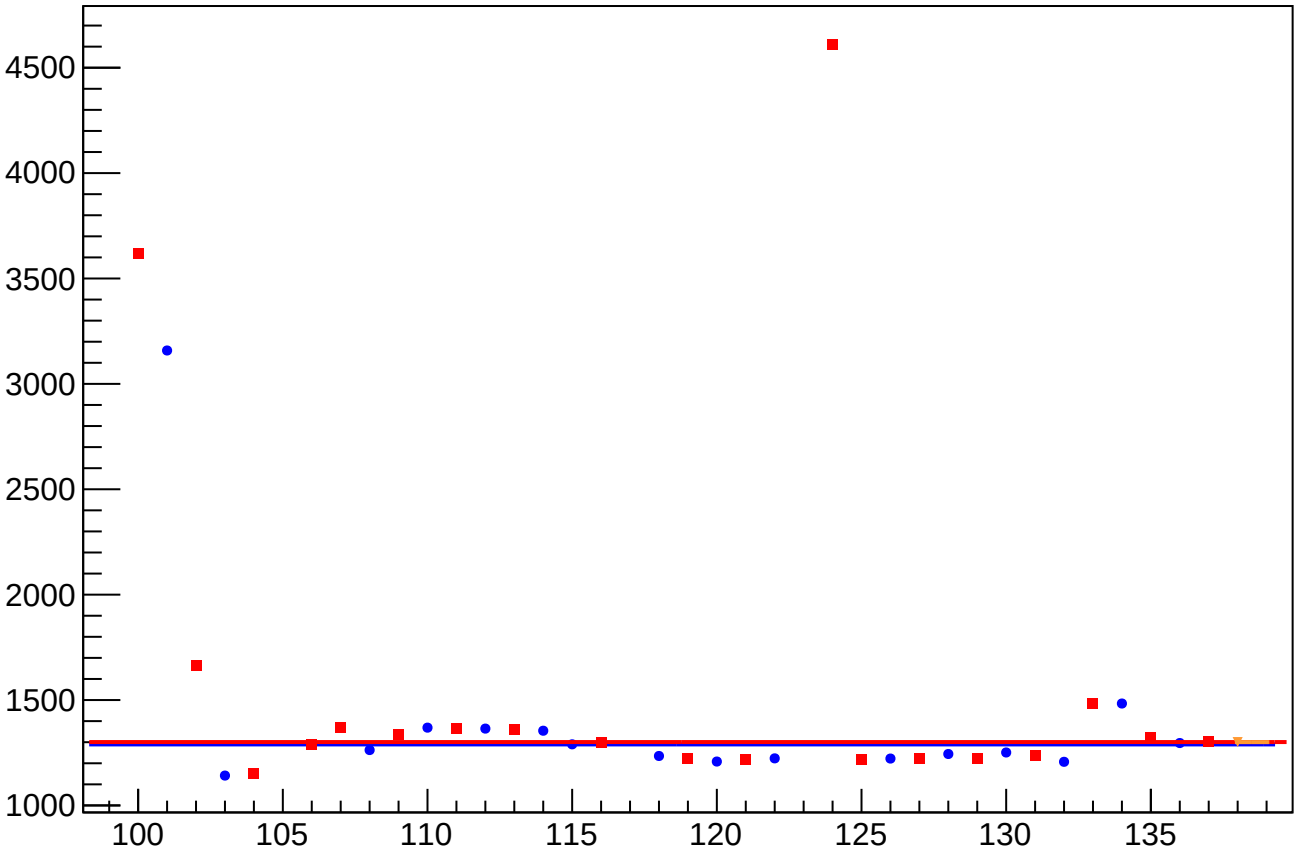
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3506.484+/-0.937 χ^2/NDF:353237.7/15

Out: 3190.052+/-0.811 χ^2/NDF:727950.7/19

All: 3325.620+/-0.613 χ^2/NDF: 1146403.5/35


eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 1749.097+/-1472.063 χ²/NDF:0.0/0
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1749.097+/-1472.063 χ²/NDF: 0.0/0
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -631.427+/-488.663 χ²/NDF:13.9/15
Out: 138.444+/-463.283 χ²/NDF:17.7/19
All: -225.980+/-336.205 χ²/NDF: 32.8/35



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.423+/-1.041 χ^2/NDF:0.0/0

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1300.423+/-1.041 χ^2/NDF: 0.0/0

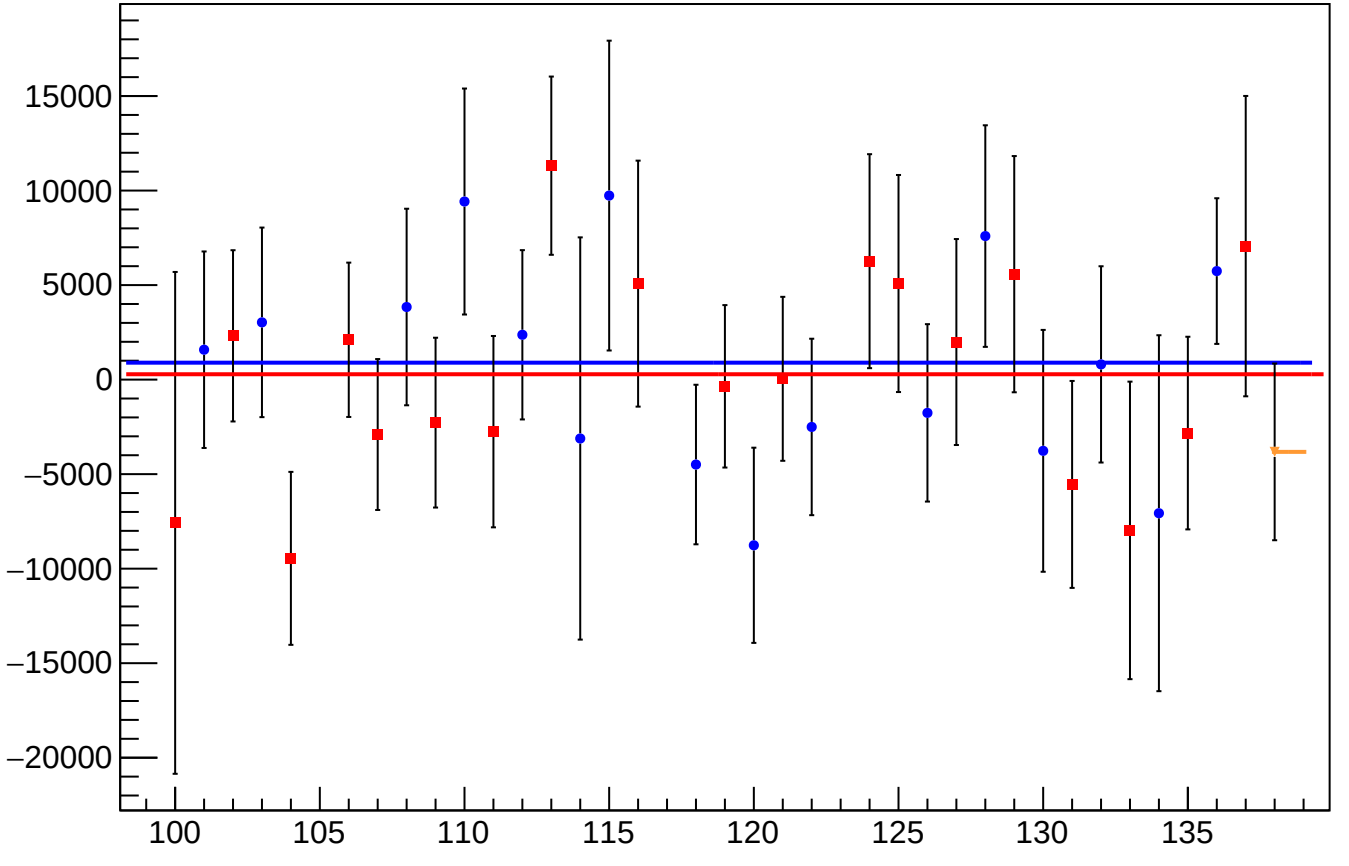
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.466+/-0.346 χ^2/NDF:514676.5/15

Out: 1300.658+/-0.327 χ^2/NDF:325907.7/19

All: 1295.370+/-0.238 χ^2/NDF: 841137.6/35

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3822.622+/-4673.882 χ^2/NDF:0.0/0

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

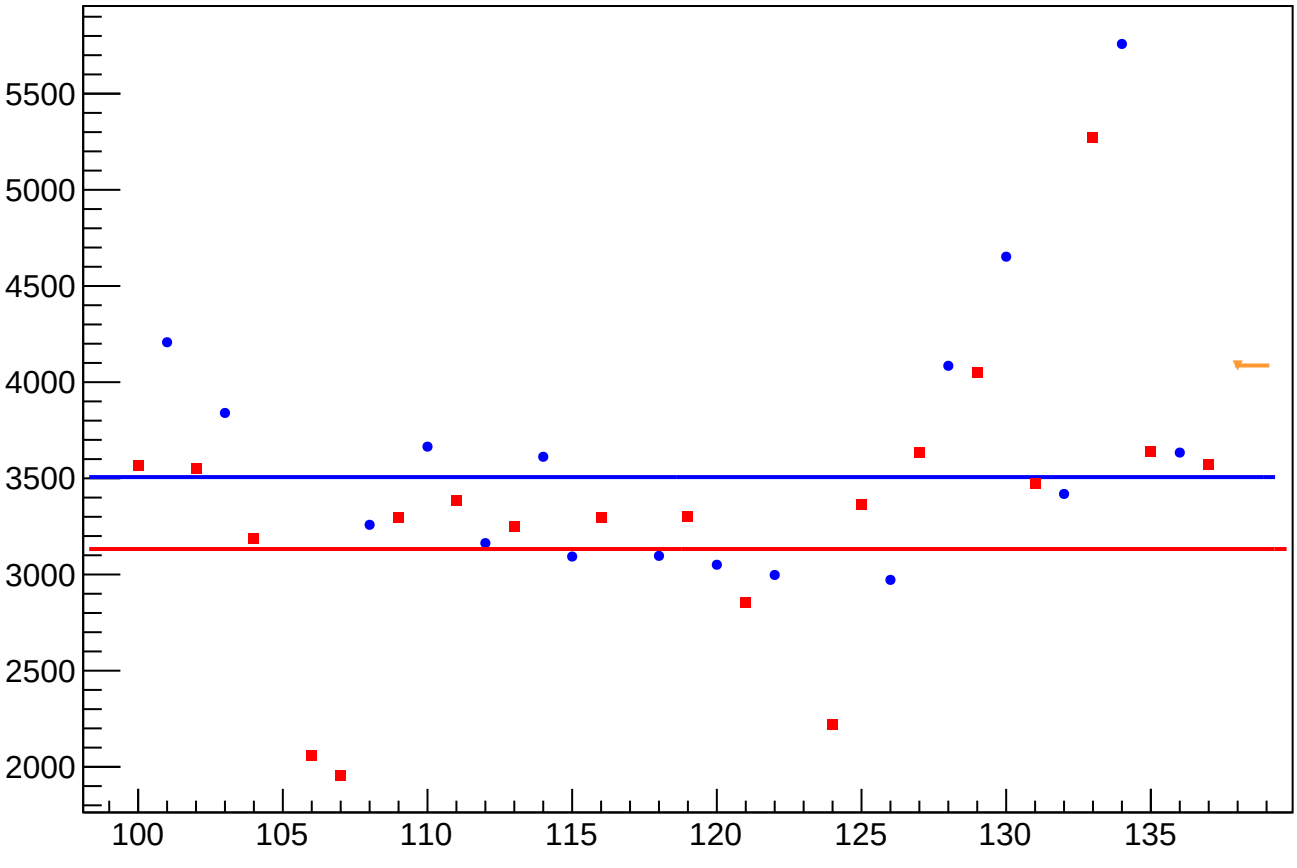
Left: -3822.622+/-4673.882 χ^2/NDF: 0.0/0

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 896.017+/-1324.823 χ^2/NDF:14.1/15

Out: 36.650+/-1146.991 χ^2/NDF:19.3/19

All: 404.826+/-867.154 χ^2/NDF: 33.7/35



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 4086.790+/-3.305 χ^2/NDF:0.0/0

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

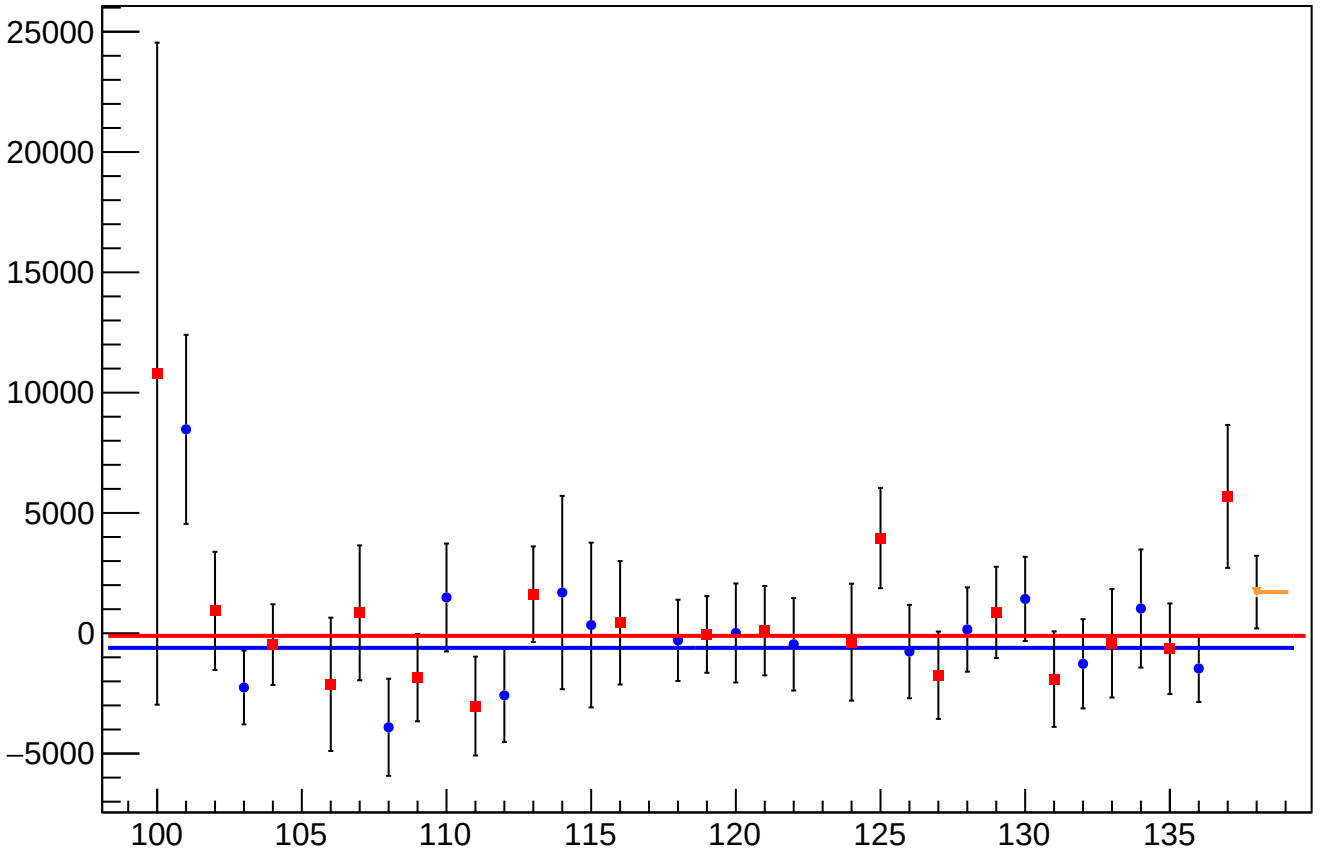
Left: 4086.790+/-3.305 χ^2/NDF: 0.0/0

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3506.484+/-0.937 χ^2/NDF:353237.7/15

Out: 3190.052+/-0.811 χ^2/NDF:727950.7/19

All: 3325.620+/-0.613 χ^2/NDF: 1146403.5/35



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1709.032+/-1509.647 χ^2/NDF:0.0/0

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

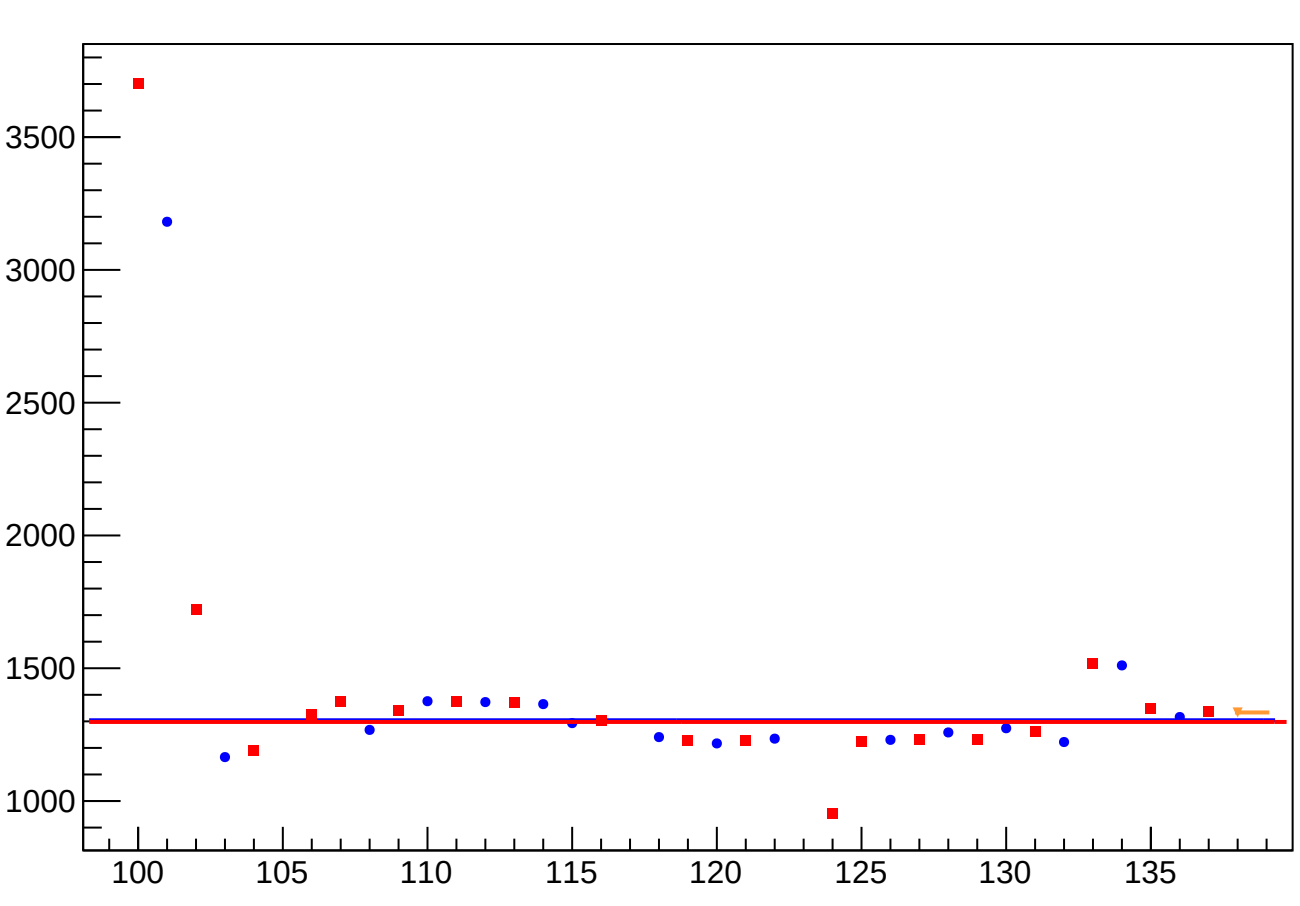
Left: 1709.032+/-1509.647 χ^2/NDF: 0.0/0

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -607.831+/-494.182 χ^2/NDF:14.1/15

Out: 61.790+/-462.232 χ^2/NDF:16.2/19

All: -250.676+/-337.578 χ^2/NDF: 31.3/35



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1333.477+/-1.067 χ^2/NDF:0.0/0

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

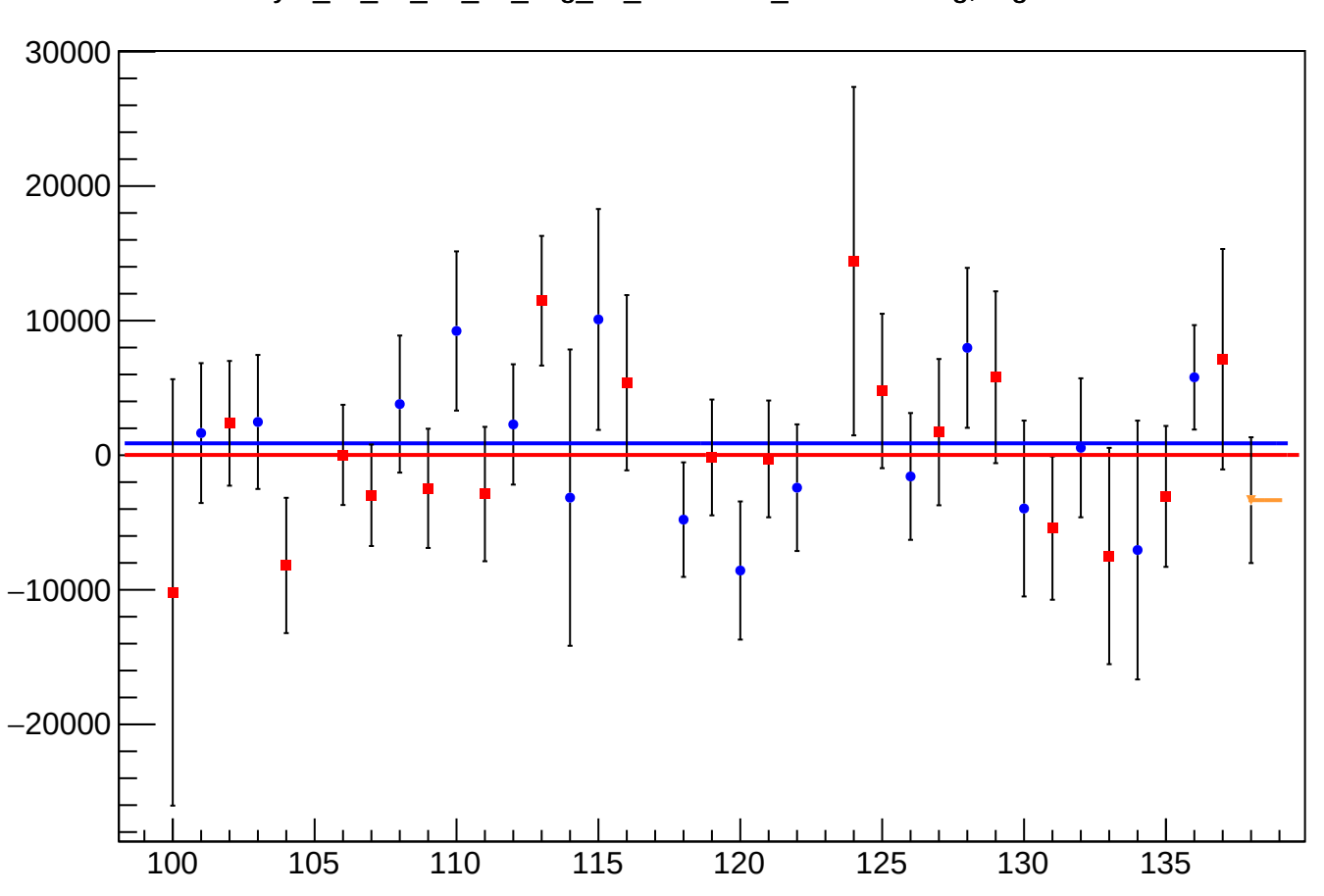
Left: 1333.477+/-1.067 χ^2/NDF: 0.0/0

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1304.102+/-0.349 χ^2/NDF:510589.4/15

Out: 1301.137+/-0.327 χ^2/NDF:214109.5/19

All: 1302.520+/-0.239 χ^2/NDF: 724737.4/35



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3338.973+/-4673.285 χ^2/NDF:0.0/0

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

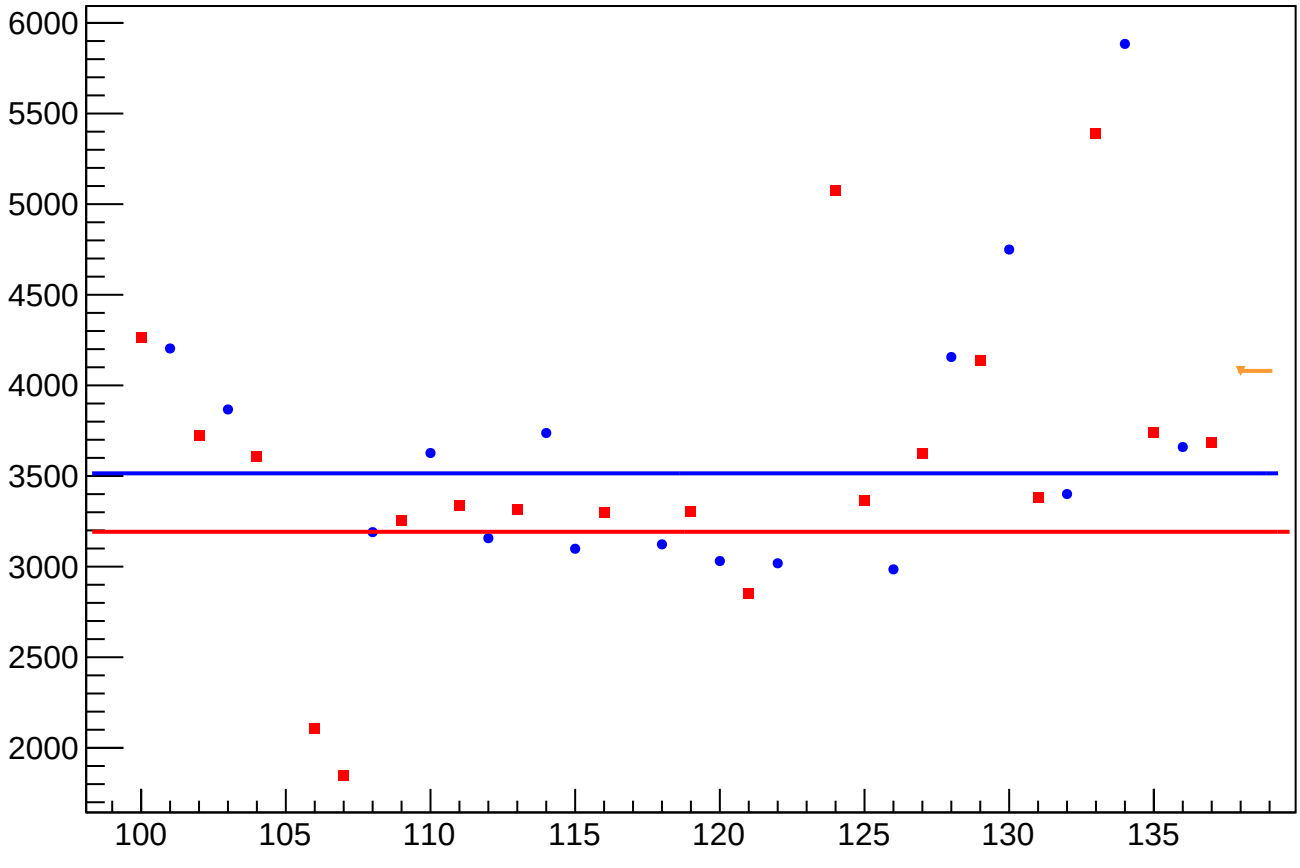
Left: -3338.973+/-4673.285 χ^2/NDF: 0.0/0

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 884.058+/-1327.399 χ^2/NDF:14.1/15

Out: -187.141+/-1162.307 χ^2/NDF:17.3/19

All: 277.738+/-874.453 χ^2/NDF: 31.8/35



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4079.841+/-3.305 χ^2/NDF:0.0/0

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

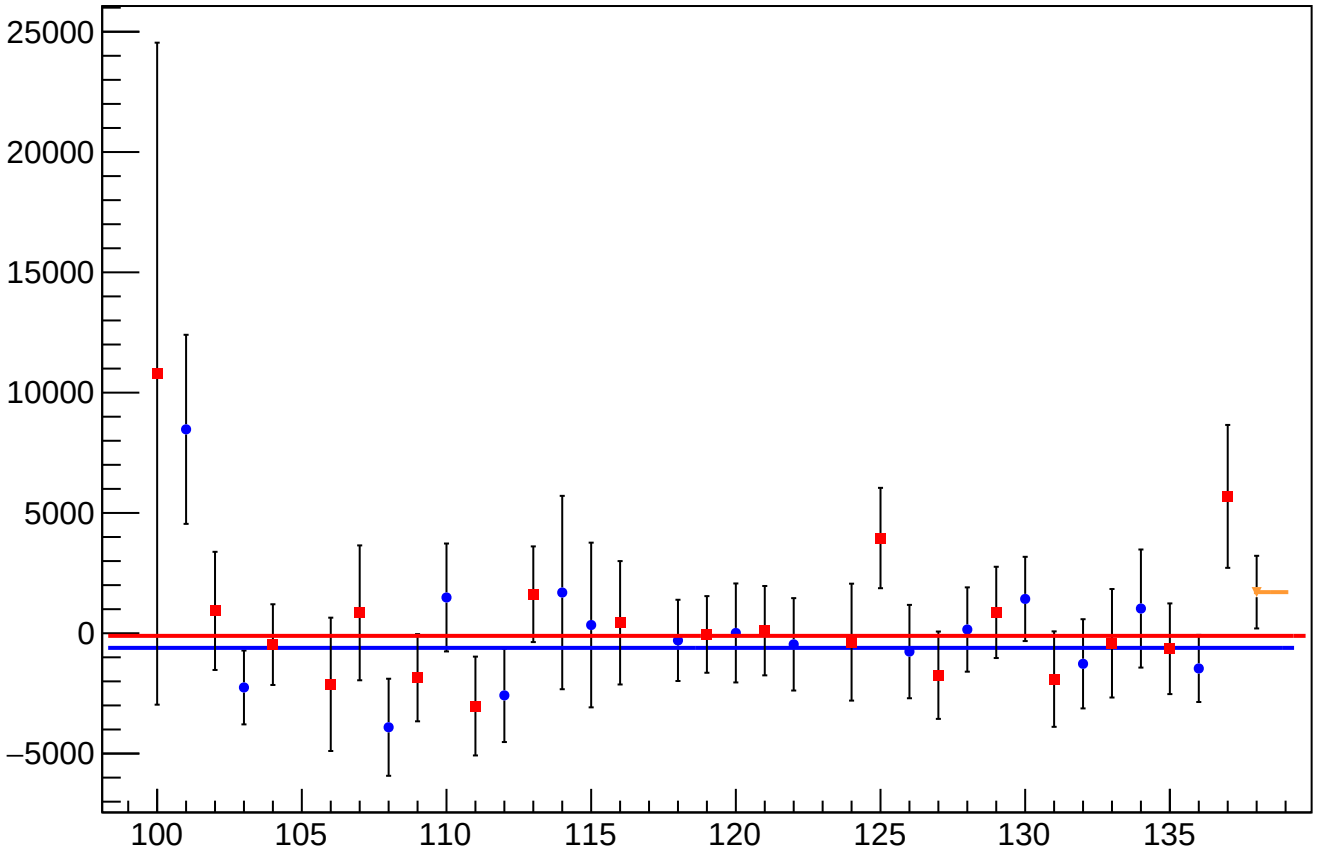
Left: 4079.841+/-3.305 χ^2/NDF: 0.0/0

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3514.746+/-0.939 χ^2/NDF:375078.6/15

Out: 3247.111+/-0.822 χ^2/NDF:840185.8/19

All: 3363.259+/-0.618 χ^2/NDF: 1261284.0/35



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1709.015+/-1509.647 χ^2/NDF:0.0/0

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

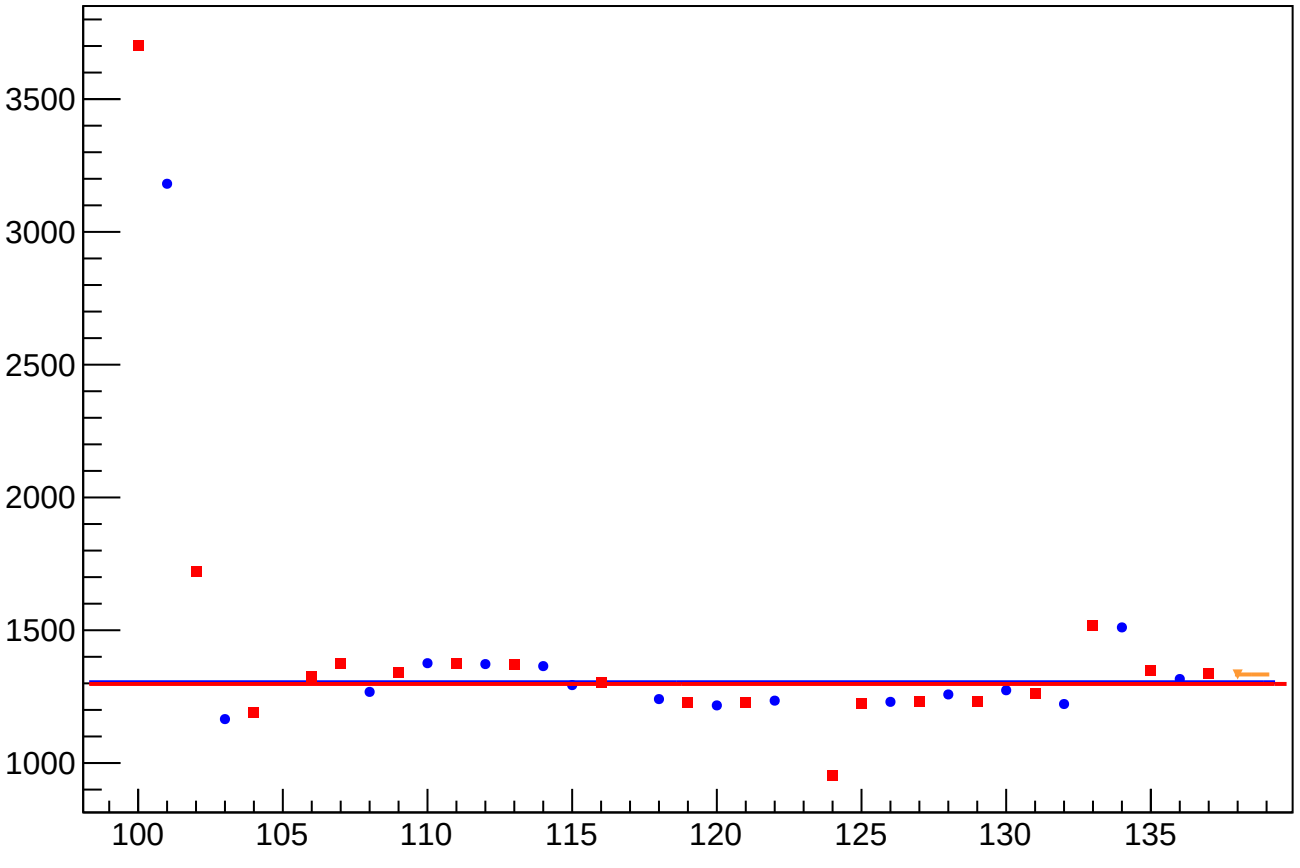
Left: 1709.015+/-1509.647 χ^2/NDF: 0.0/0

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -607.834+/-494.182 χ^2/NDF:14.1/15

Out: 61.783+/-462.232 χ^2/NDF:16.2/19

All: -250.682+/-337.578 χ^2/NDF: 31.3/35



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1333.477+/-1.067 χ^2/NDF:0.0/0

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1333.477+/-1.067 χ^2/NDF: 0.0/0

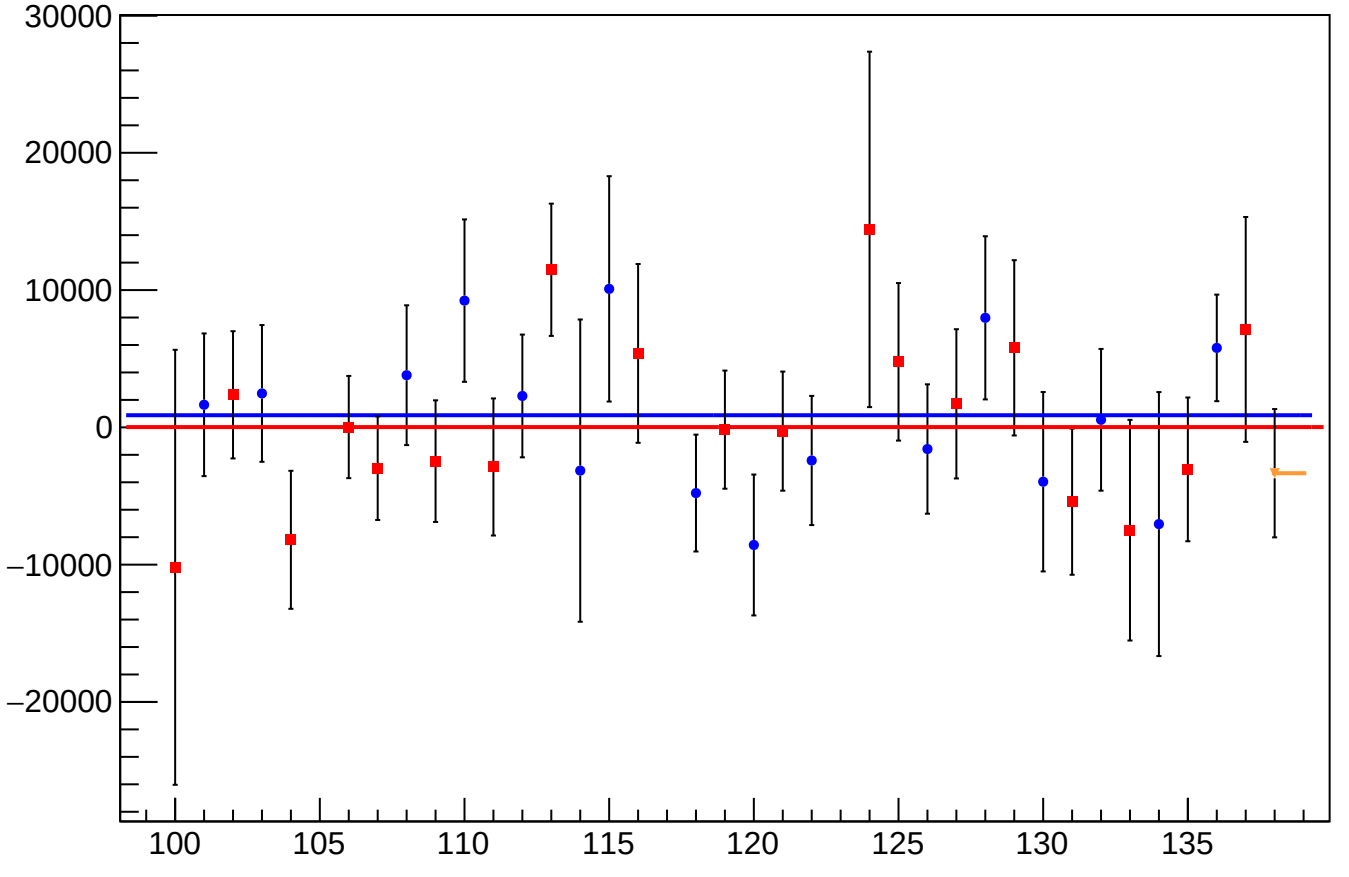
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1304.102+/-0.349 χ^2/NDF:510589.6/15

Out: 1301.137+/-0.327 χ^2/NDF:214109.7/19

All: 1302.520+/-0.239 χ^2/NDF: 724737.7/35

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3338.986+/-4673.298 χ^2/NDF:0.0/0

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -3338.986+/-4673.298 χ^2/NDF: 0.0/0

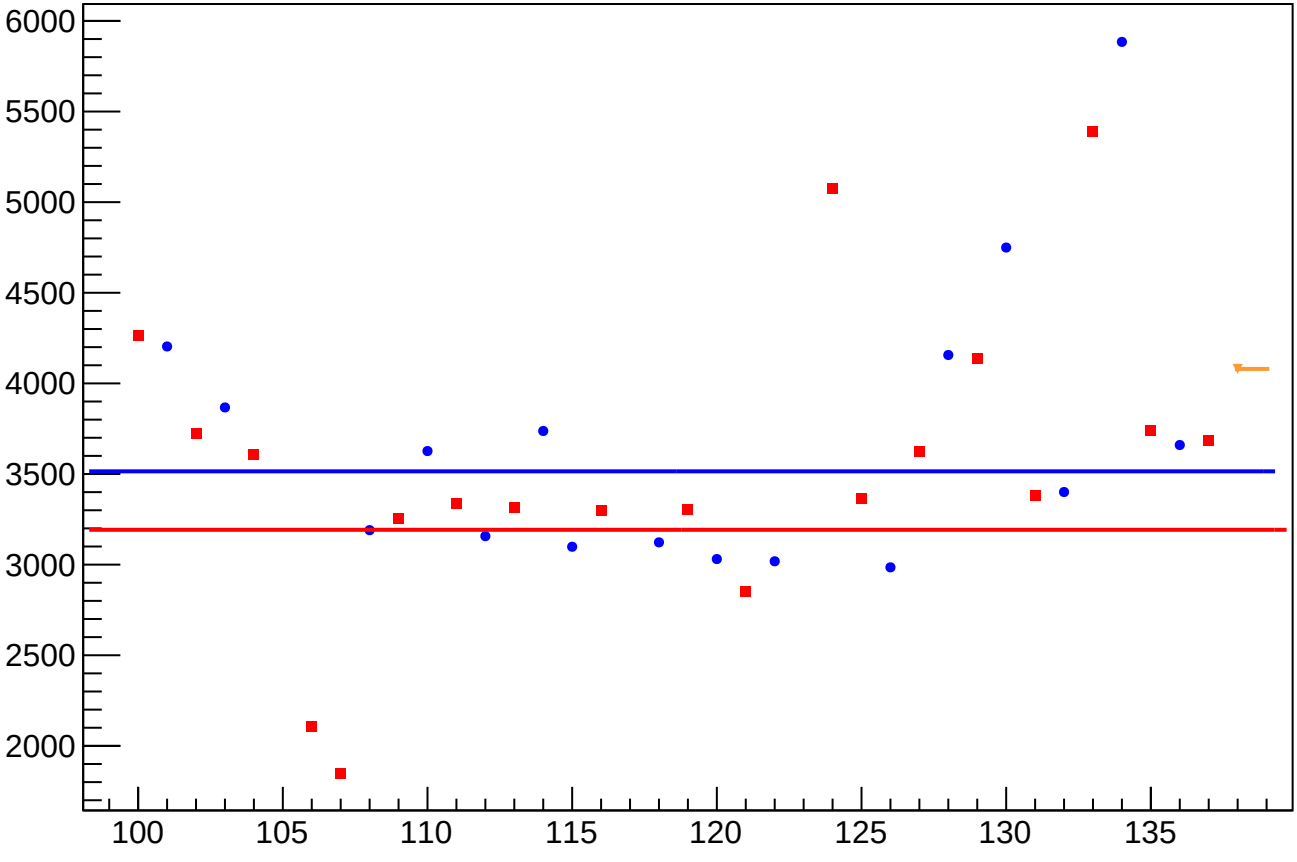
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 884.047+/-1327.396 χ^2/NDF:14.1/15

Out: -187.143+/-1162.305 χ^2/NDF:17.3/19

All: 277.733+/-874.451 χ^2/NDF: 31.8/35

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4079.852+/-3.305 χ^2/NDF:0.0/0

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

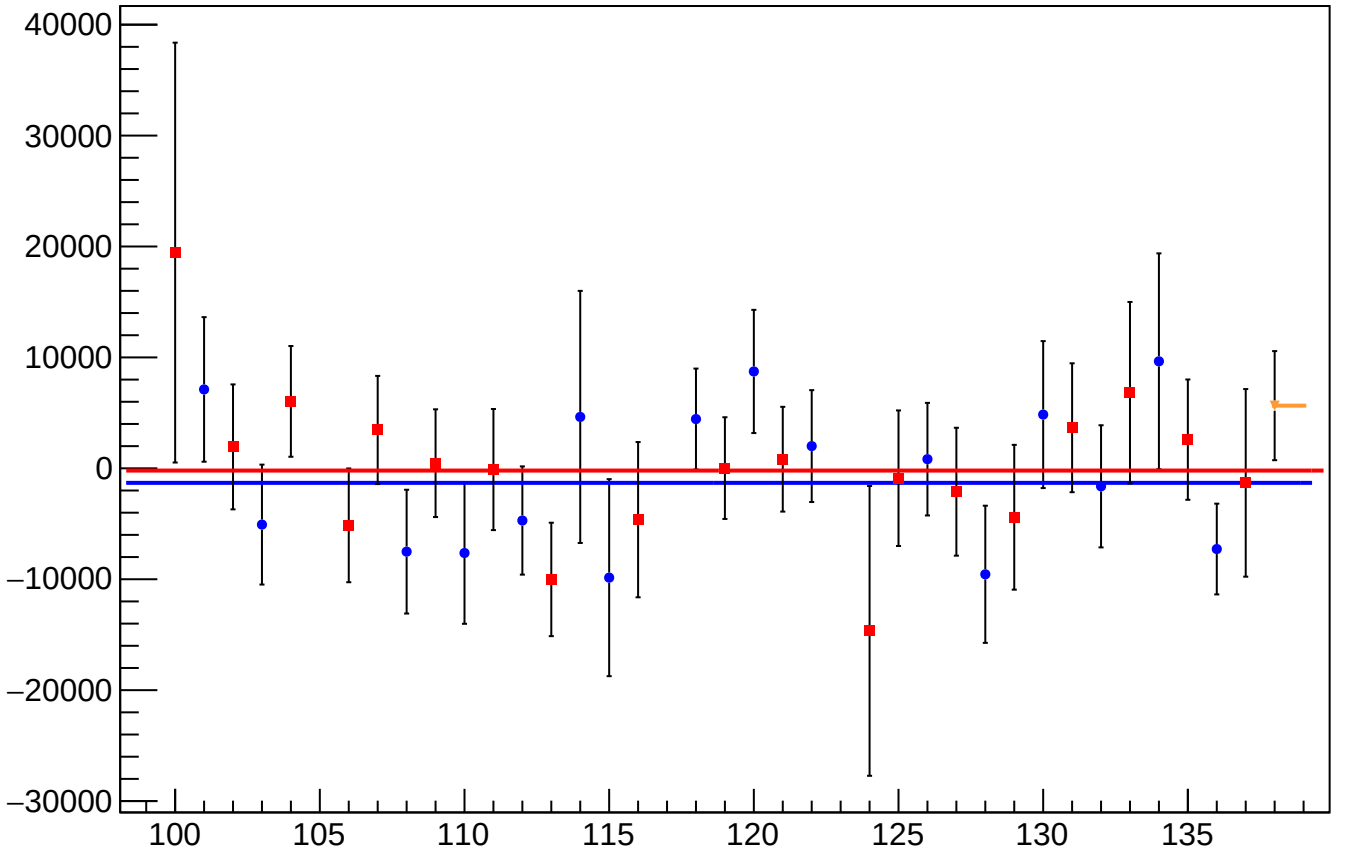
Left: 4079.852+/-3.305 χ^2/NDF: 0.0/0

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3514.737+/-0.939 χ^2/NDF:375082.8/15

Out: 3247.104+/-0.822 χ^2/NDF:840190.6/19

All: 3363.251+/-0.618 χ^2/NDF: 1261292.6/35



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 5651.648+/-4917.753 χ^2/NDF:0.0/0

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

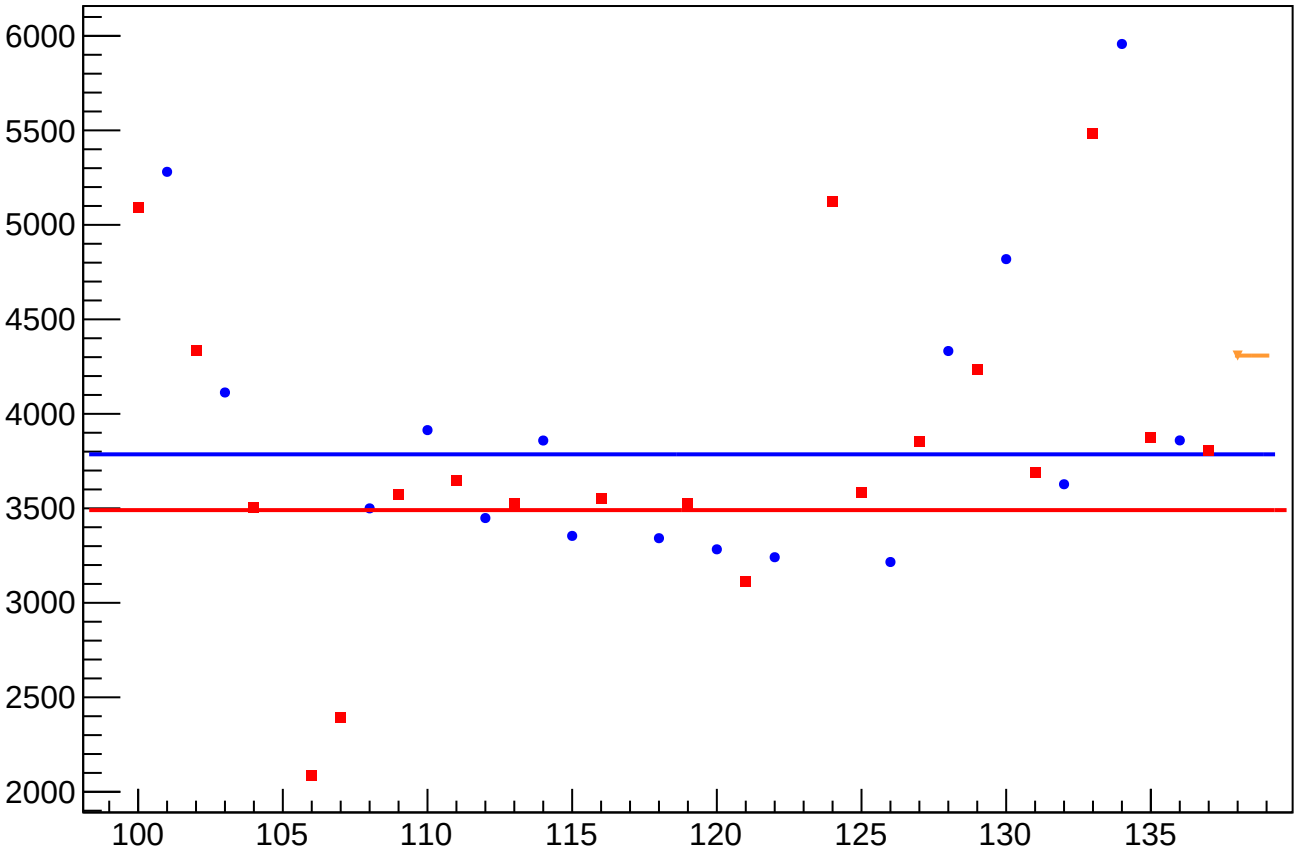
Left: 5651.648+/-4917.753 χ^2/NDF: 0.0/0

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -1309.349+/-1431.624 χ^2/NDF:17.6/15

Out: 200.742+/-1289.326 χ^2/NDF:13.0/19

All: -475.545+/-958.061 χ^2/NDF: 31.2/35



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4308.373+/-3.477 χ^2/NDF:0.0/0

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

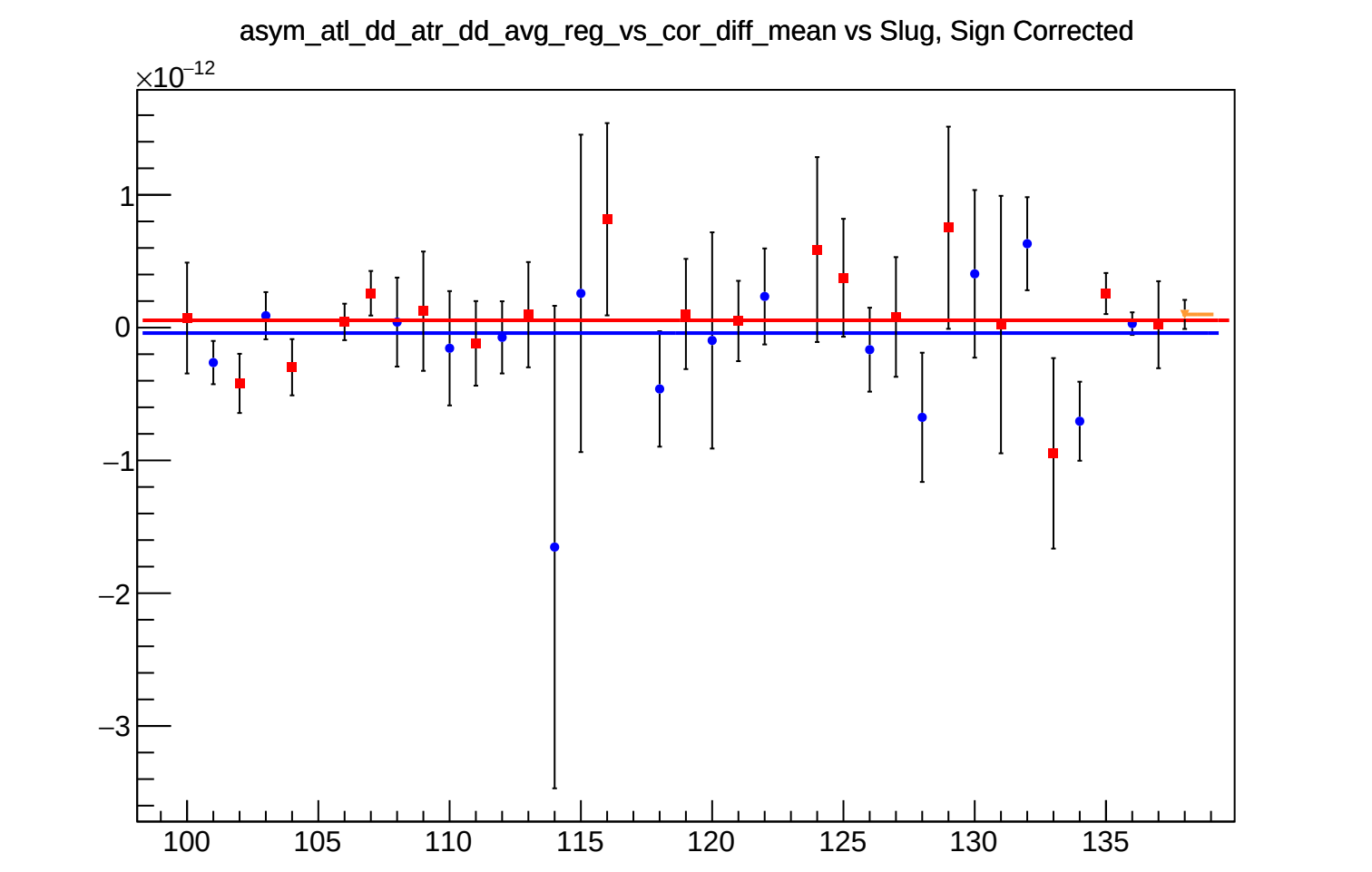
Left: 4308.373+/-3.477 χ^2/NDF: 0.0/0

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3785.774+/-1.012 χ^2/NDF:382992.9/15

Out: 3545.404+/-0.900 χ^2/NDF:638312.6/19

All: 3651.535+/-0.673 χ^2/NDF: 1052793.0/35



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

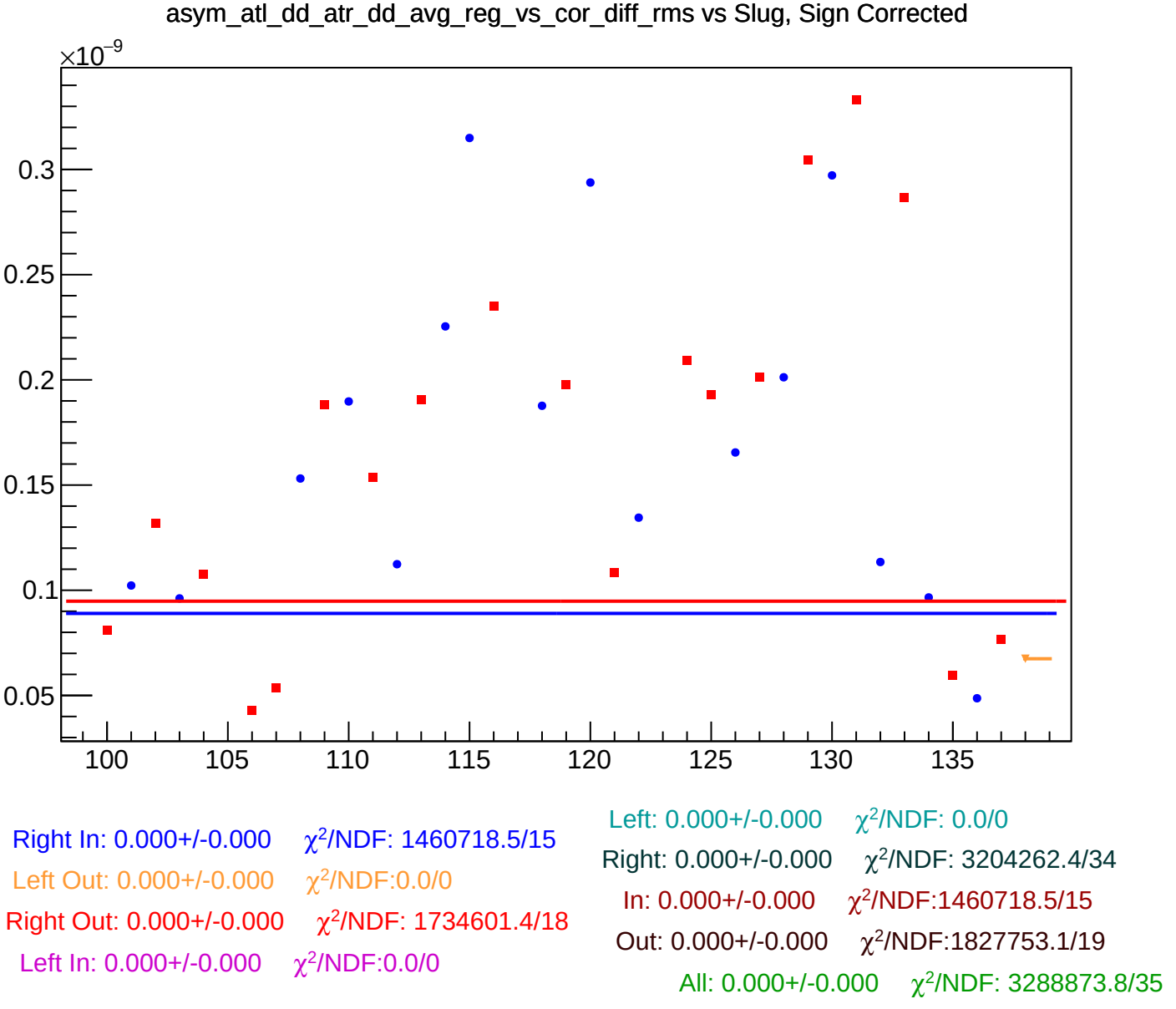
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

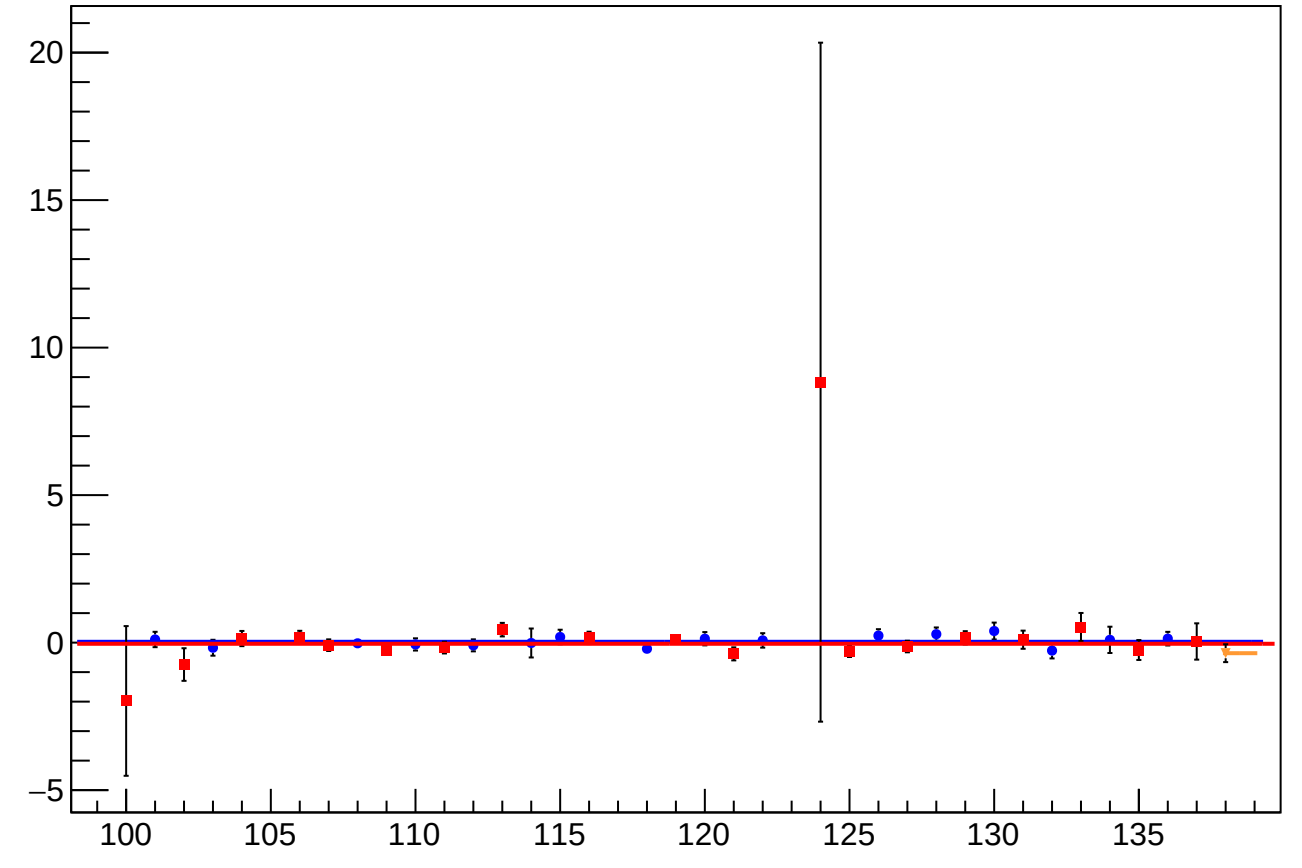
Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:16.6/15

Out: 0.000+/-0.000 χ^2/NDF:16.0/19

All: 0.000+/-0.000 χ^2/NDF: 34.4/35


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 1460718.5/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 1734601.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 3204262.4/34
In: 0.000+/-0.000 χ²/NDF:1460718.5/15
Out: 0.000+/-0.000 χ²/NDF:1827753.1/19
All: 0.000+/-0.000 χ²/NDF: 3288873.8/35



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.358+/-0.303 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

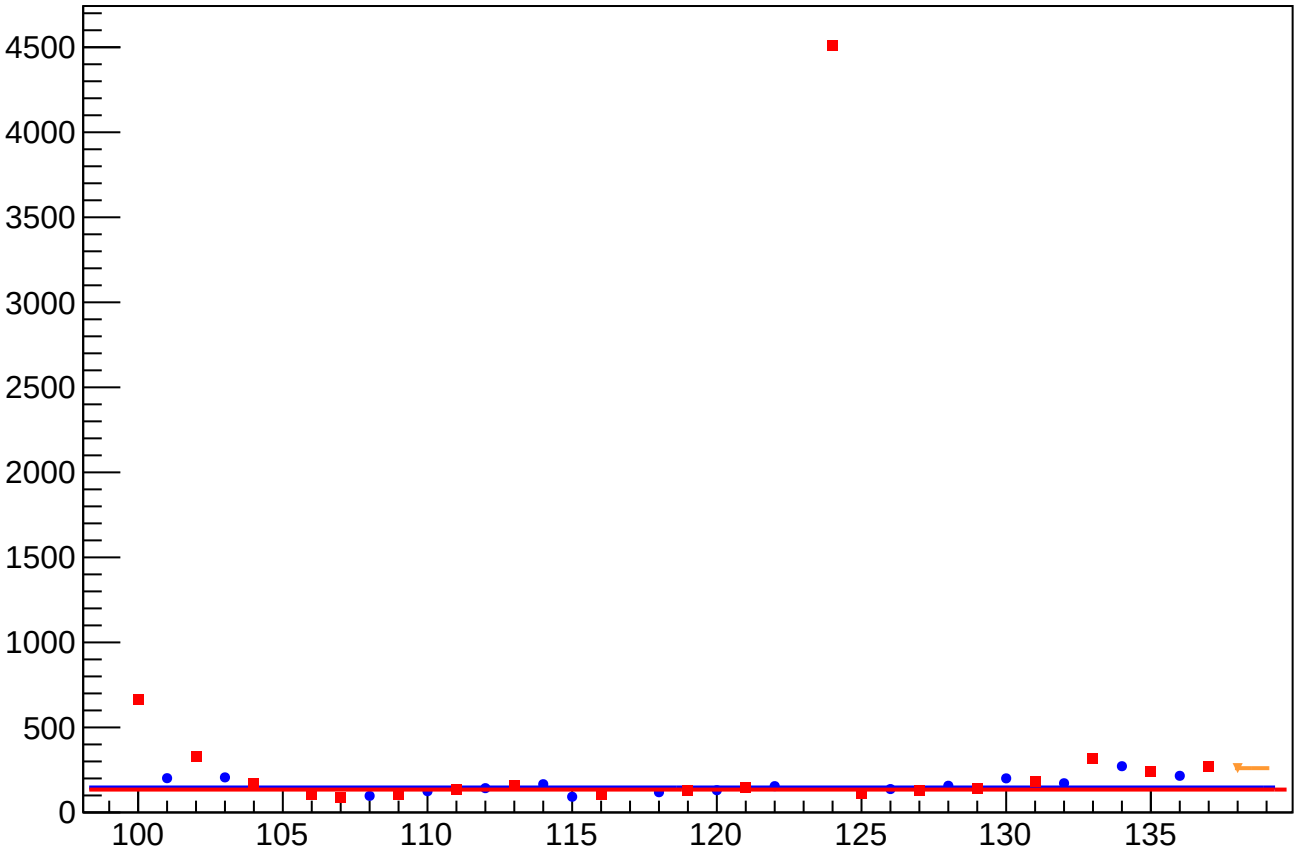
Left: -0.358+/-0.303 χ^2/NDF: 0.0/0

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.028+/-0.058 χ^2/NDF:9.4/15

Out: -0.049+/-0.054 χ^2/NDF:21.1/19

All: -0.013+/-0.039 χ^2/NDF: 31.5/35



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 260.467+/-0.214 χ^2/NDF:0.0/0

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 260.467+/-0.214 χ^2/NDF: 0.0/0

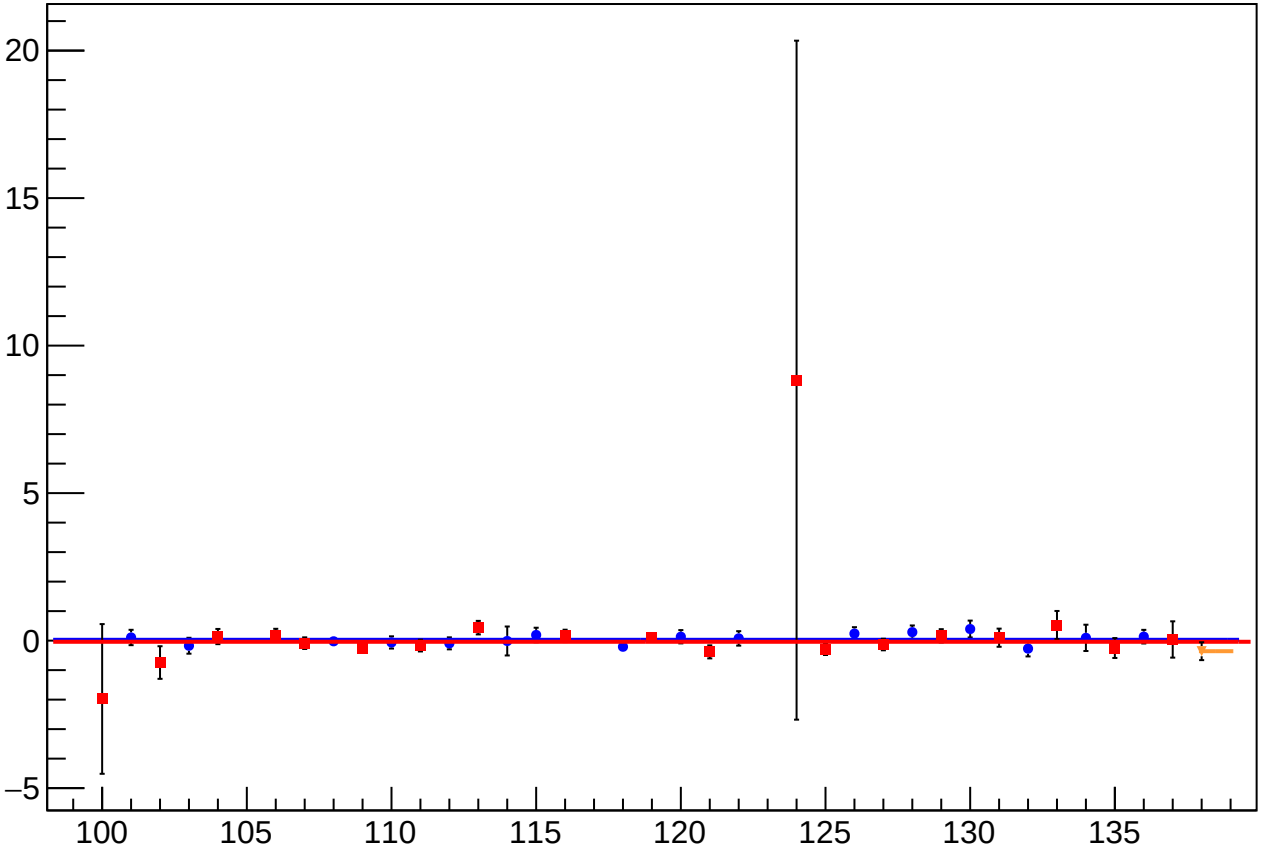
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 146.829+/-0.041 χ^2/NDF:998704.7/15

Out: 138.504+/-0.038 χ^2/NDF:1942142.7/19

All: 142.383+/-0.028 χ^2/NDF: 2963081.0/35

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: -0.358+/-0.303 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.358+/-0.303 χ^2/NDF: 0.0/0

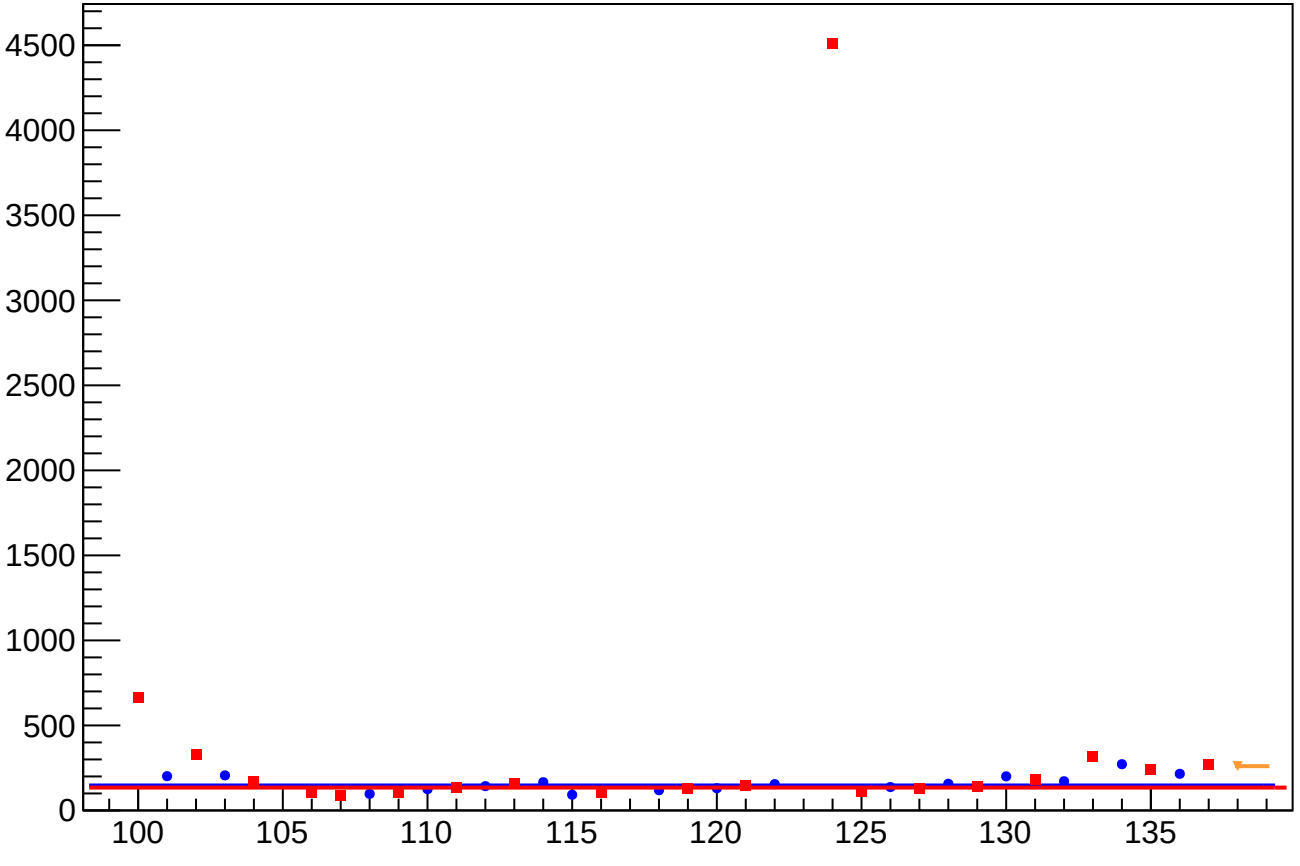
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.028+/-0.058 χ^2/NDF:9.4/15

Out: -0.049+/-0.054 χ^2/NDF:21.1/19

All: -0.013+/-0.039 χ^2/NDF: 31.5/35

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: 260.467+/-0.214 χ^2/NDF:0.0/0

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

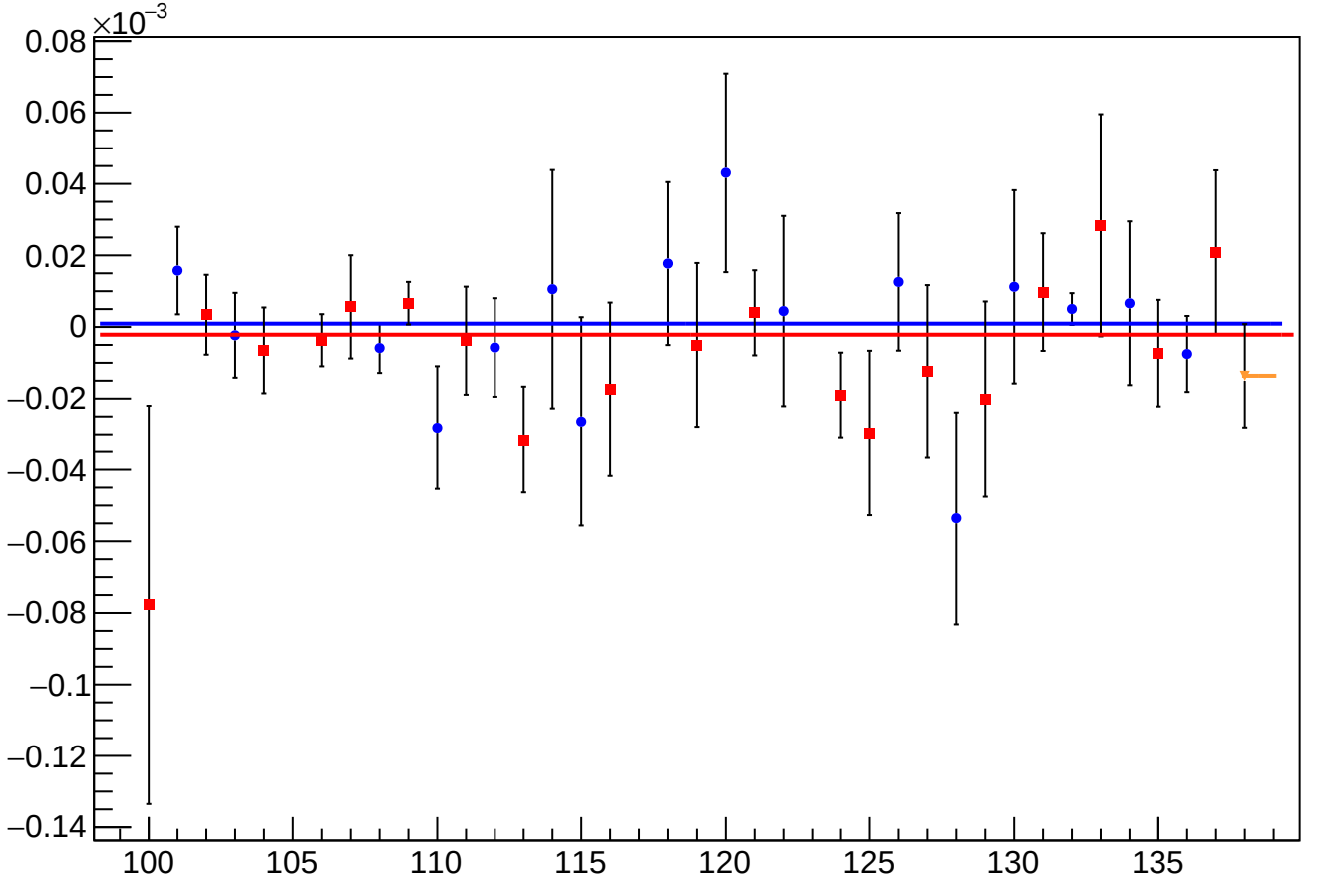
Left: 260.467+/-0.214 χ^2/NDF: 0.0/0

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 146.829+/-0.041 χ^2/NDF:998704.7/15

Out: 138.504+/-0.038 χ^2/NDF:1942142.7/19

All: 142.383+/-0.028 χ^2/NDF: 2963081.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

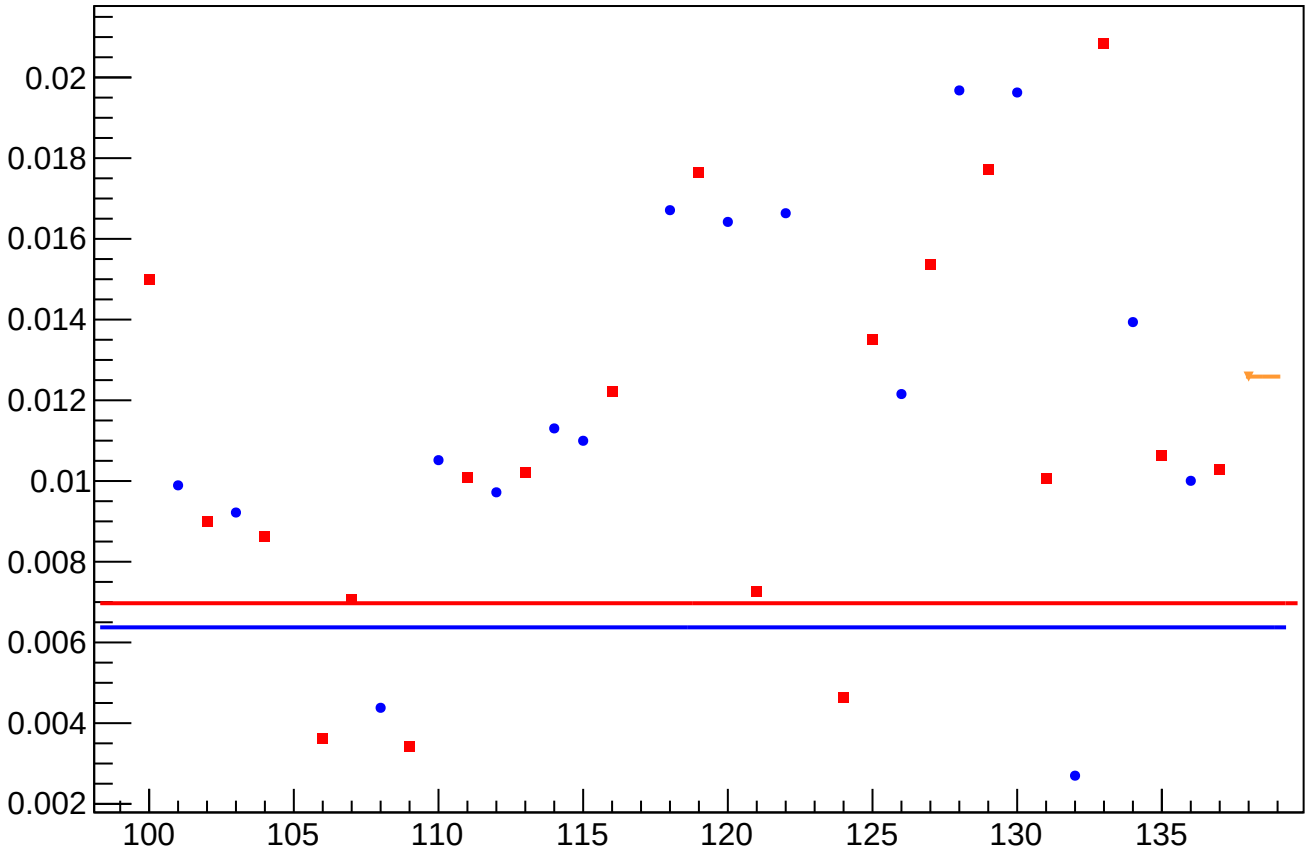
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:14.9/15

Out: -0.000+/-0.000 χ^2/NDF:16.7/19

All: -0.000+/-0.000 χ^2/NDF: 32.3/35



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.000 χ^2/NDF: 0.0/0

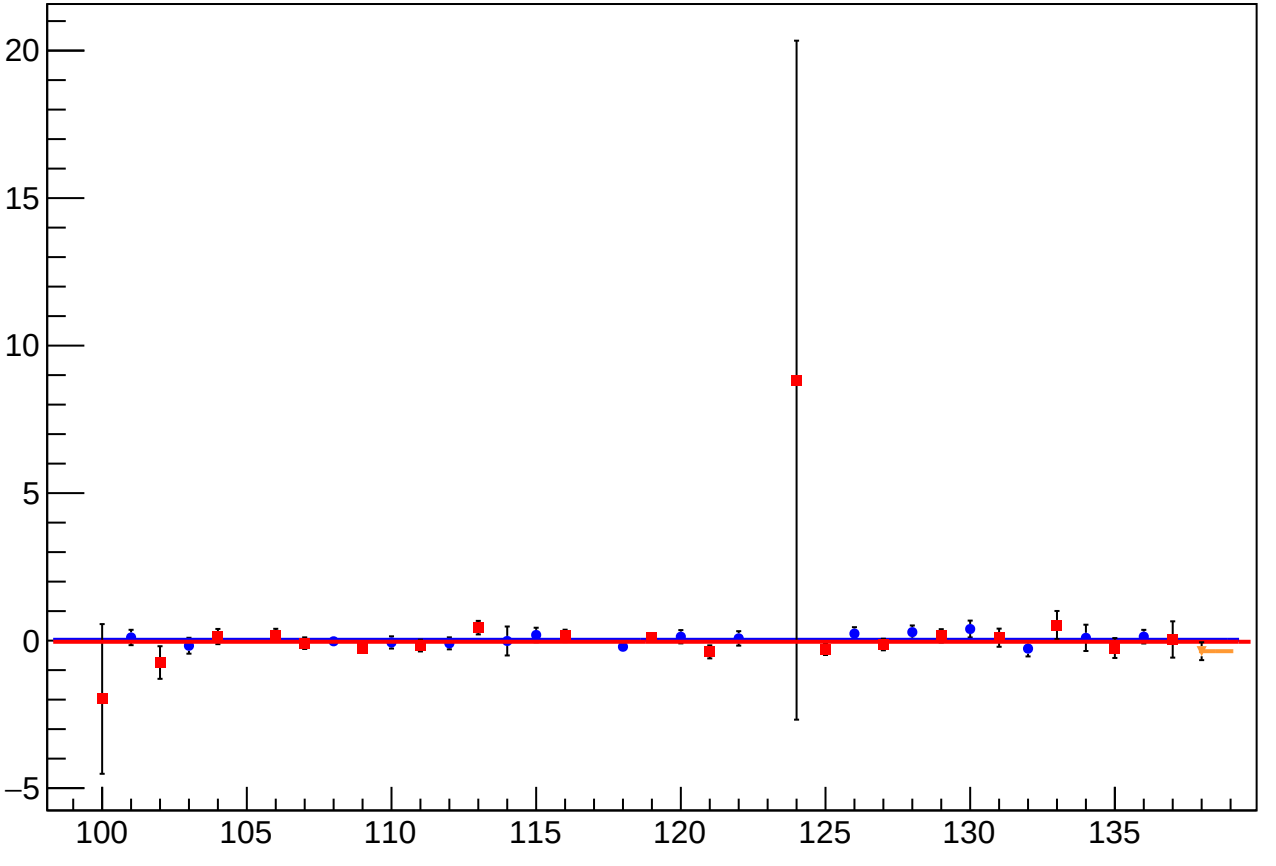
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:4639775.7/15

Out: 0.007+/-0.000 χ^2/NDF:3699326.7/19

All: 0.007+/-0.000 χ^2/NDF: 8419167.5/35

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: -0.358+/-0.303 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.358+/-0.303 χ^2/NDF: 0.0/0

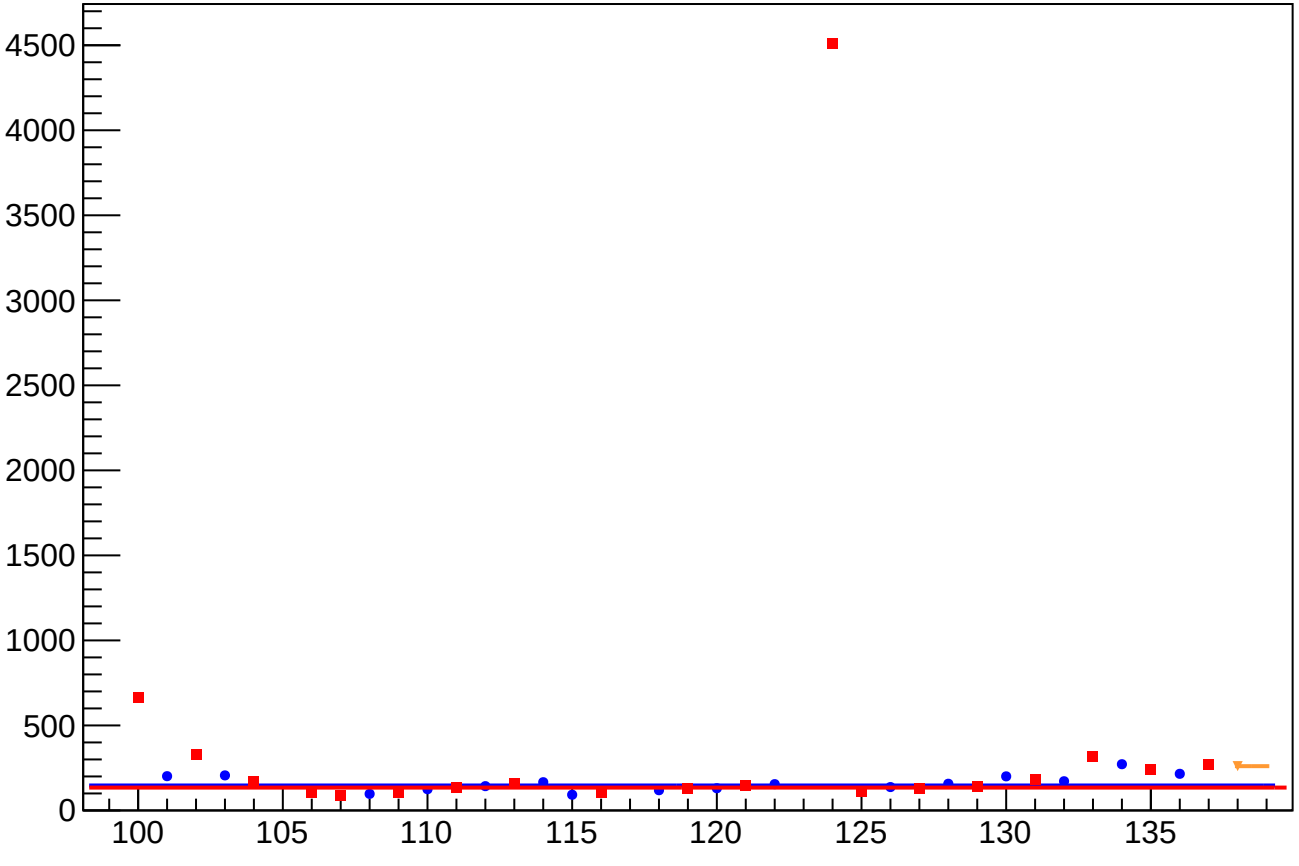
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.028+/-0.058 χ^2/NDF:9.4/15

Out: -0.049+/-0.054 χ^2/NDF:21.1/19

All: -0.013+/-0.039 χ^2/NDF: 31.5/35

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: 260.470+/-0.214 χ^2/NDF:0.0/0

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 260.470+/-0.214 χ^2/NDF: 0.0/0

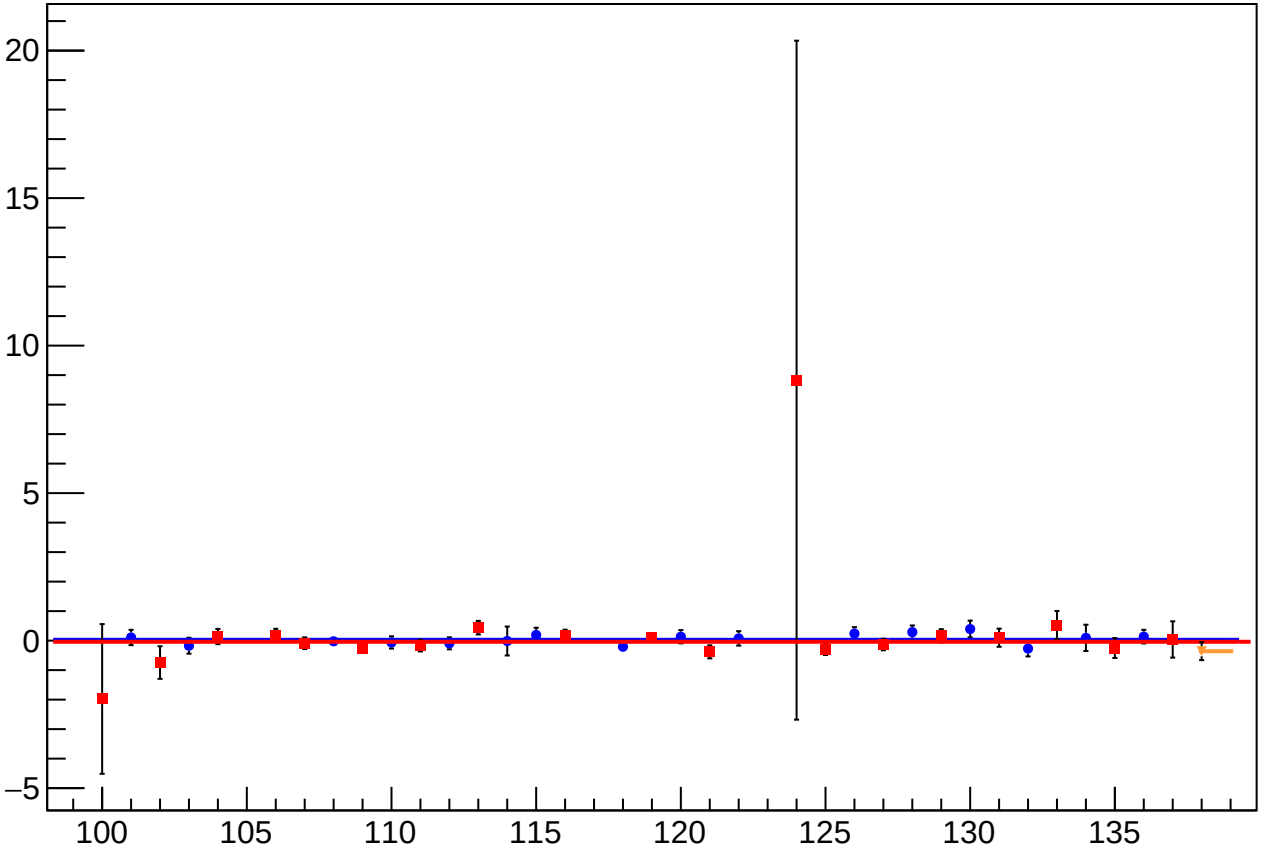
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 146.829+/-0.041 χ^2/NDF:998646.8/15

Out: 138.505+/-0.038 χ^2/NDF:1942074.0/19

All: 142.384+/-0.028 χ^2/NDF: 2962947.1/35

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: -0.358+/-0.303 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.358+/-0.303 χ^2/NDF: 0.0/0

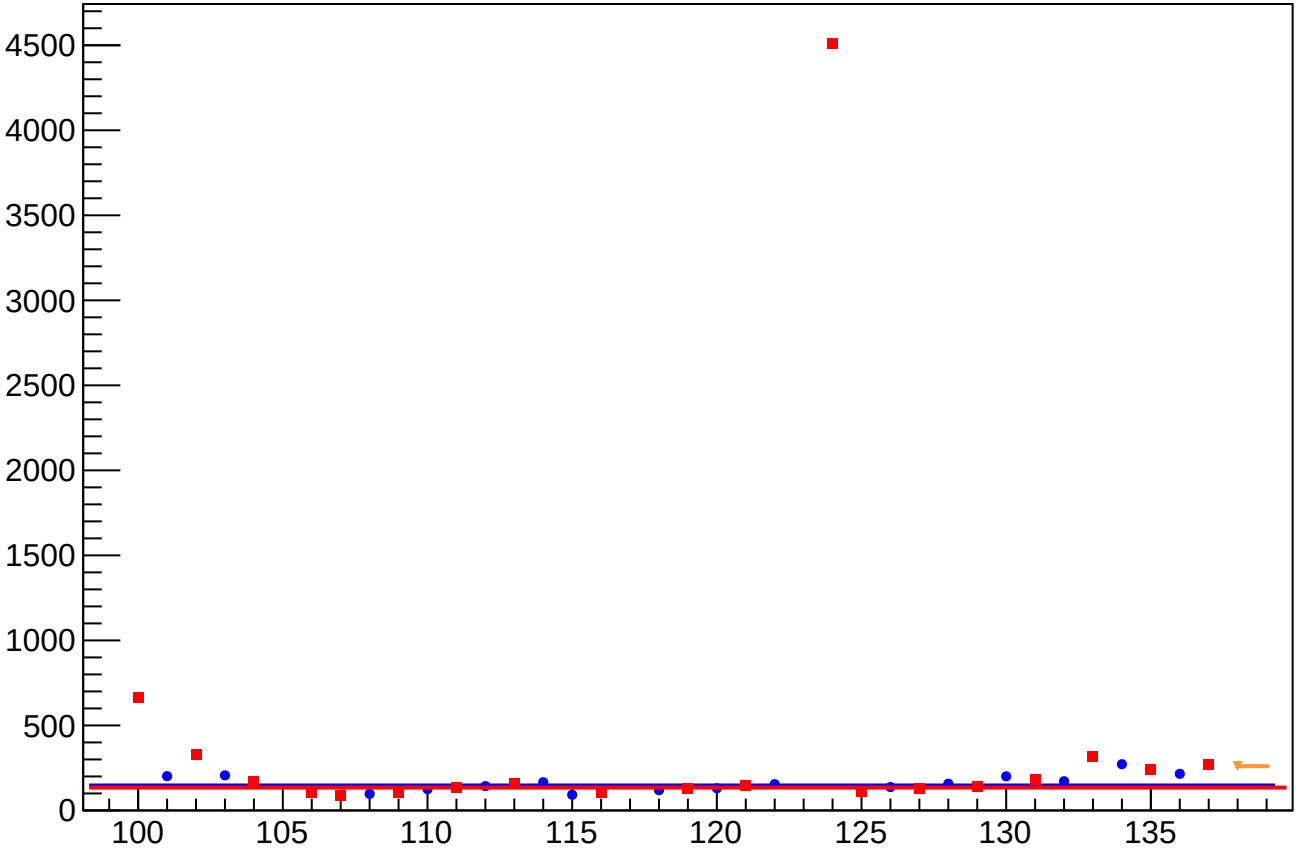
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.028+/-0.058 χ^2/NDF:9.4/15

Out: -0.049+/-0.054 χ^2/NDF:21.1/19

All: -0.013+/-0.039 χ^2/NDF: 31.5/35

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: 260.470+/-0.214 χ^2/NDF:0.0/0

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

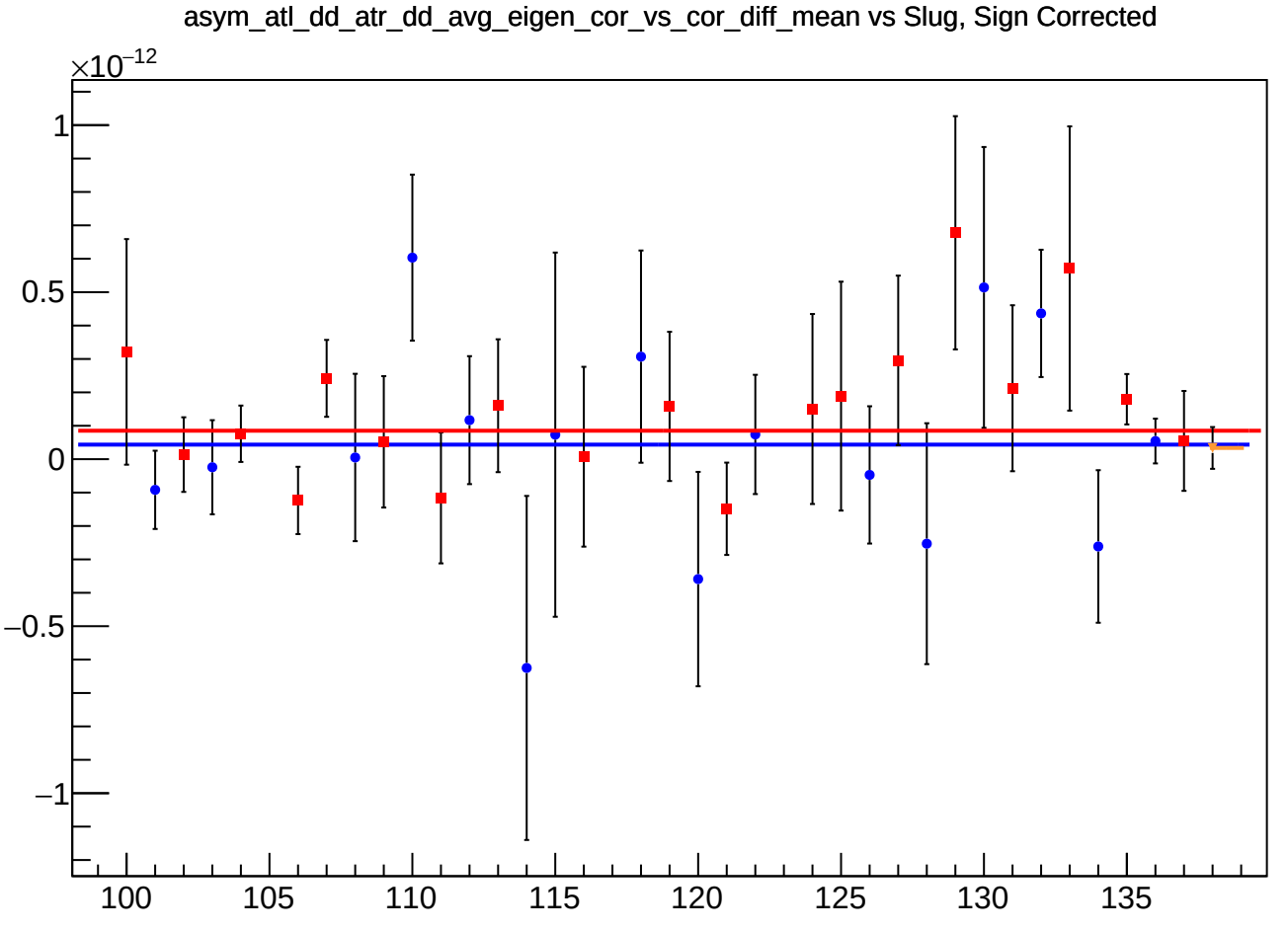
Left: 260.470+/-0.214 χ^2/NDF: 0.0/0

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 146.829+/-0.041 χ^2/NDF:998646.8/15

Out: 138.505+/-0.038 χ^2/NDF:1942074.0/19

All: 142.384+/-0.028 χ^2/NDF: 2962947.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

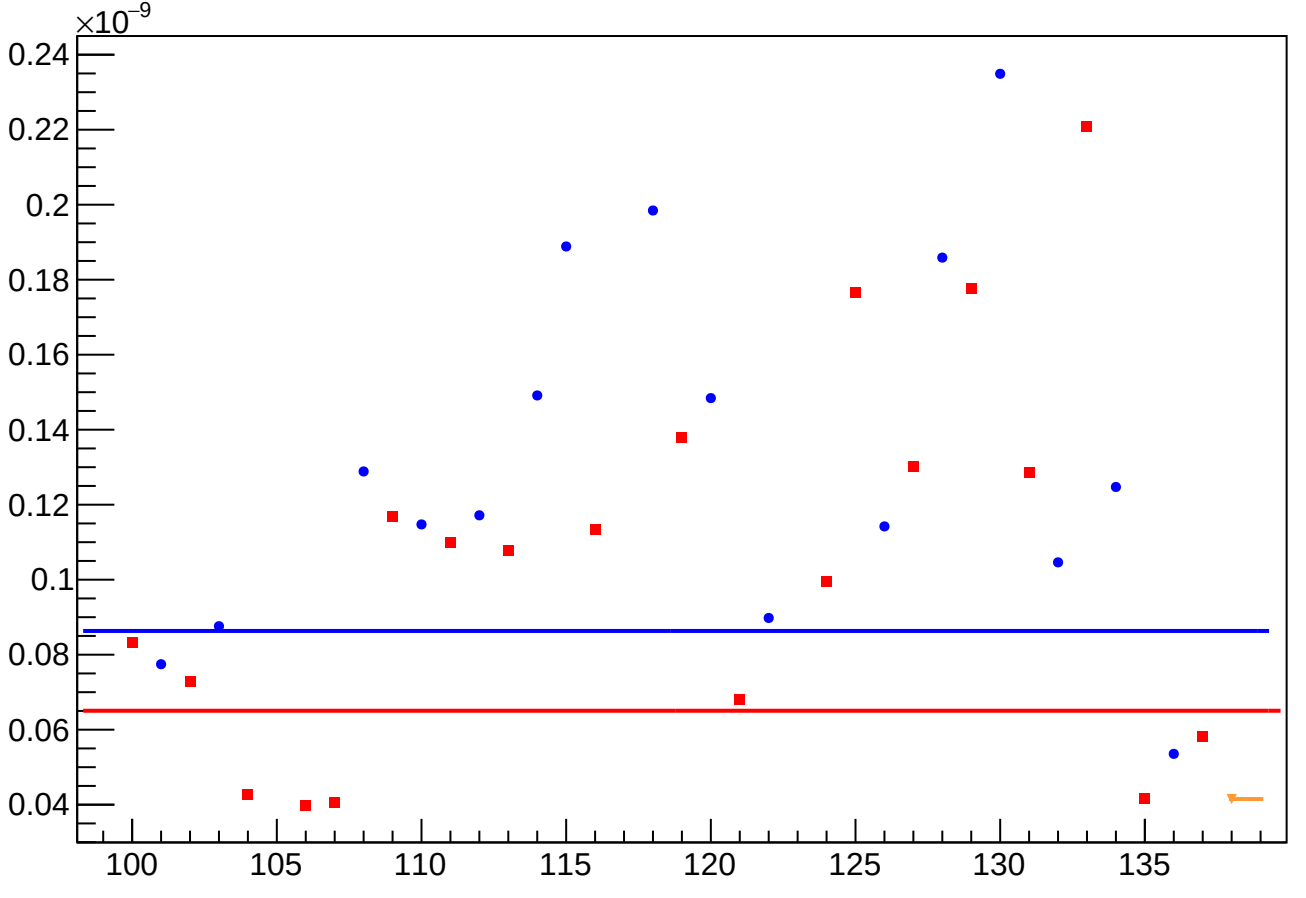
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:19.0/15

Out: 0.000+/-0.000 χ^2/NDF:18.7/19

All: 0.000+/-0.000 χ^2/NDF: 38.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

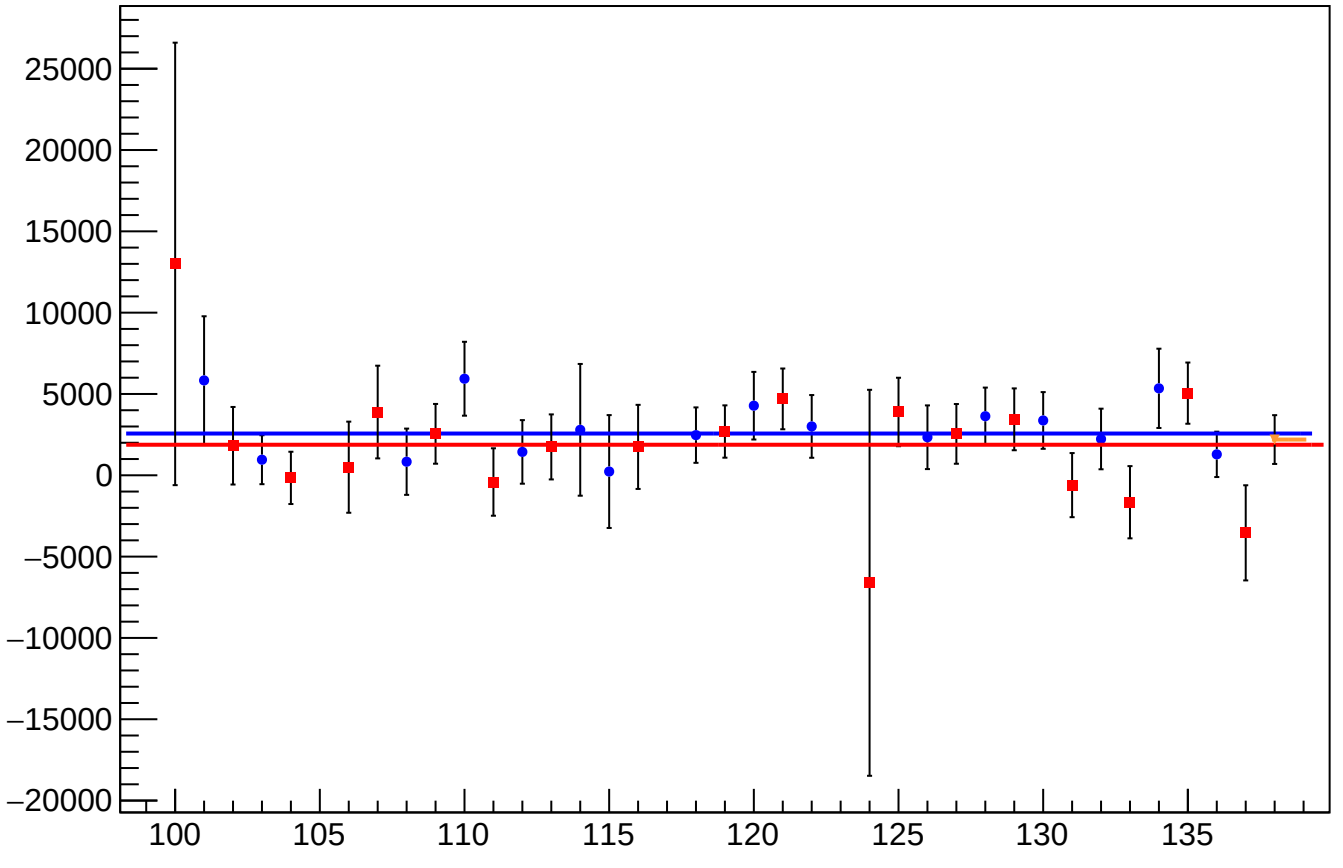
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:1565662.7/15

Out: 0.000+/-0.000 χ^2/NDF:2376860.5/19

All: 0.000+/-0.000 χ^2/NDF: 4465296.4/35



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2197.327+/-1499.867 χ^2/NDF:0.0/0

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

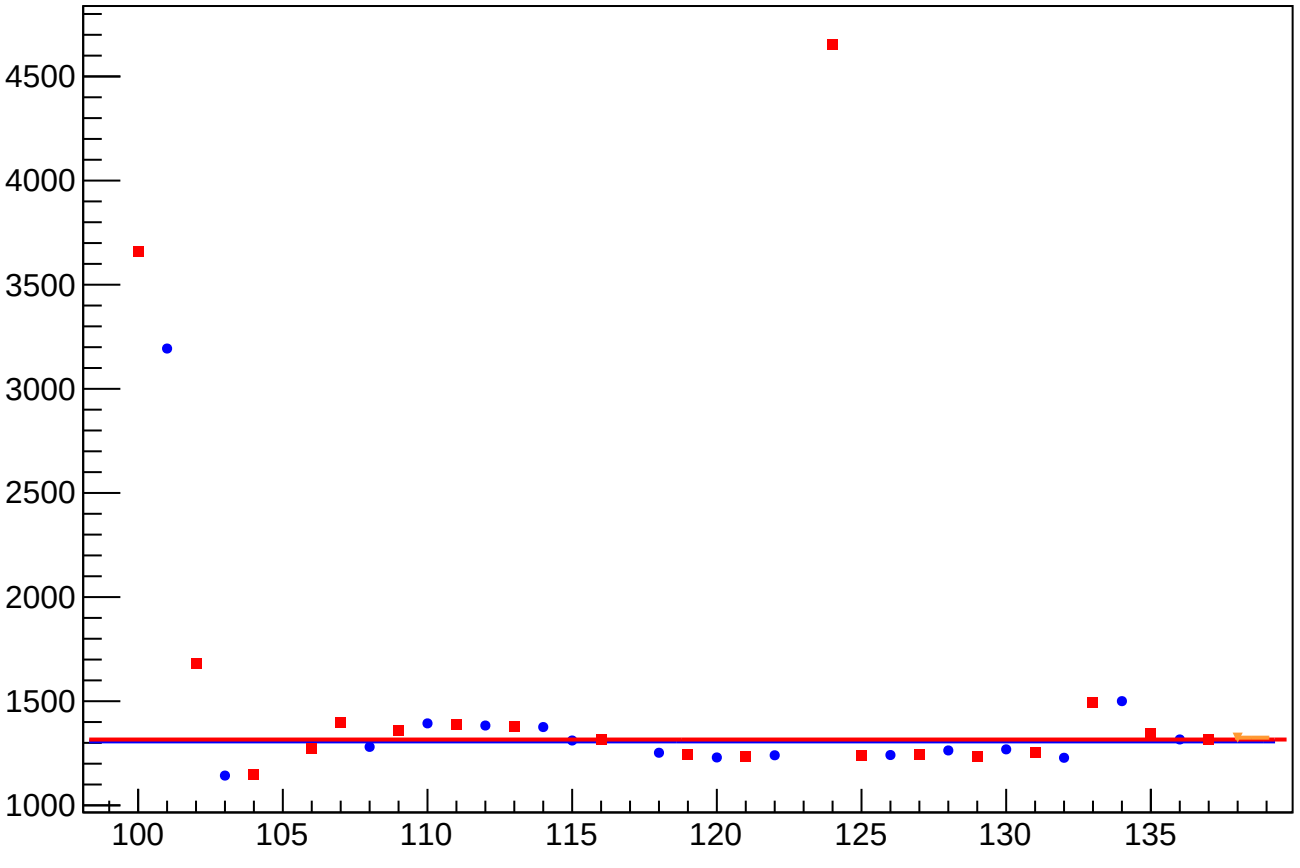
Left: 2197.327+/-1499.867 χ^2/NDF: 0.0/0

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2567.460+/-495.364 χ^2/NDF:9.0/15

Out: 1909.359+/-469.822 χ^2/NDF:19.6/19

All: 2221.006+/-340.886 χ^2/NDF: 29.6/35



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1324.967+/-0.061 χ^2/NDF:0.0/0

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1324.967+/-1.061 χ^2/NDF: 0.0/0

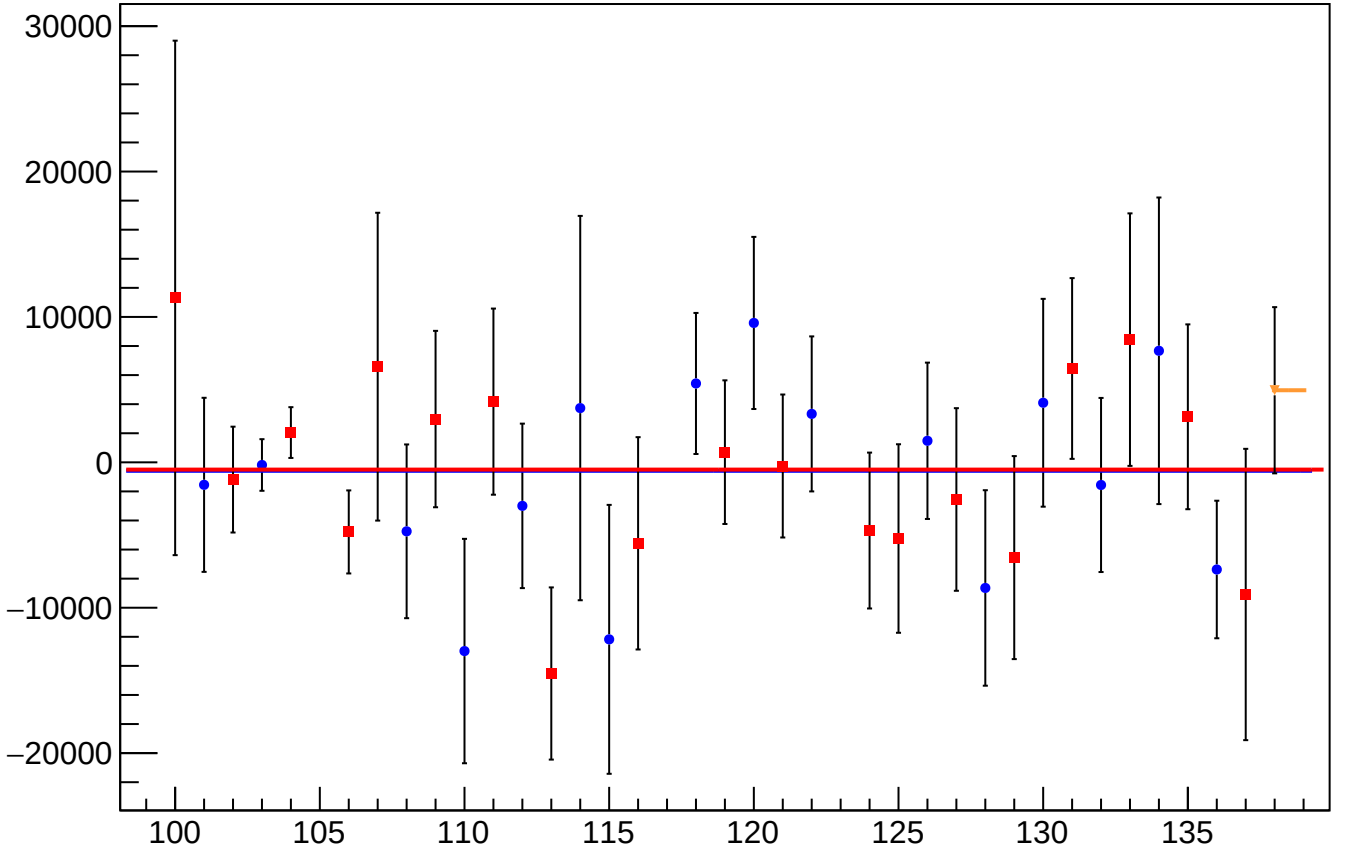
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1307.068+/-0.350 χ^2/NDF:516249.0/15

Out: 1316.875+/-0.331 χ^2/NDF:326484.5/19

All: 1312.243+/-0.241 χ^2/NDF: 843147.2/35

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: 4957.945+/-5715.912 χ^2/NDF:0.0/0

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

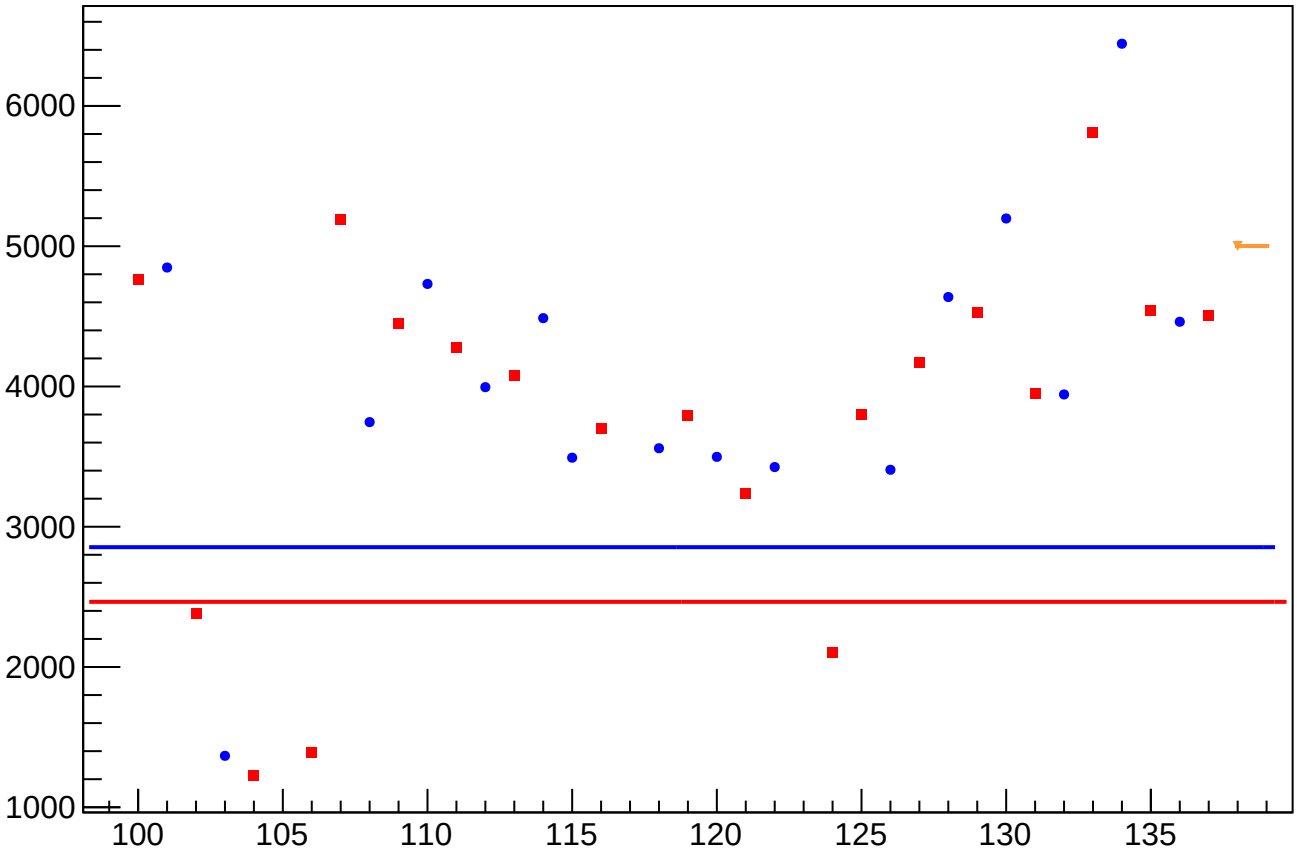
Left: 4957.945+/-5715.912 χ^2/NDF: 0.0/0

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -581.790+/-1192.862 χ^2/NDF:14.7/15

Out: -320.142+/-1037.889 χ^2/NDF:18.6/19

All: -432.876+/-782.996 χ^2/NDF: 33.3/35



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 5001.600+/-4.042 χ^2/NDF:0.0/0

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

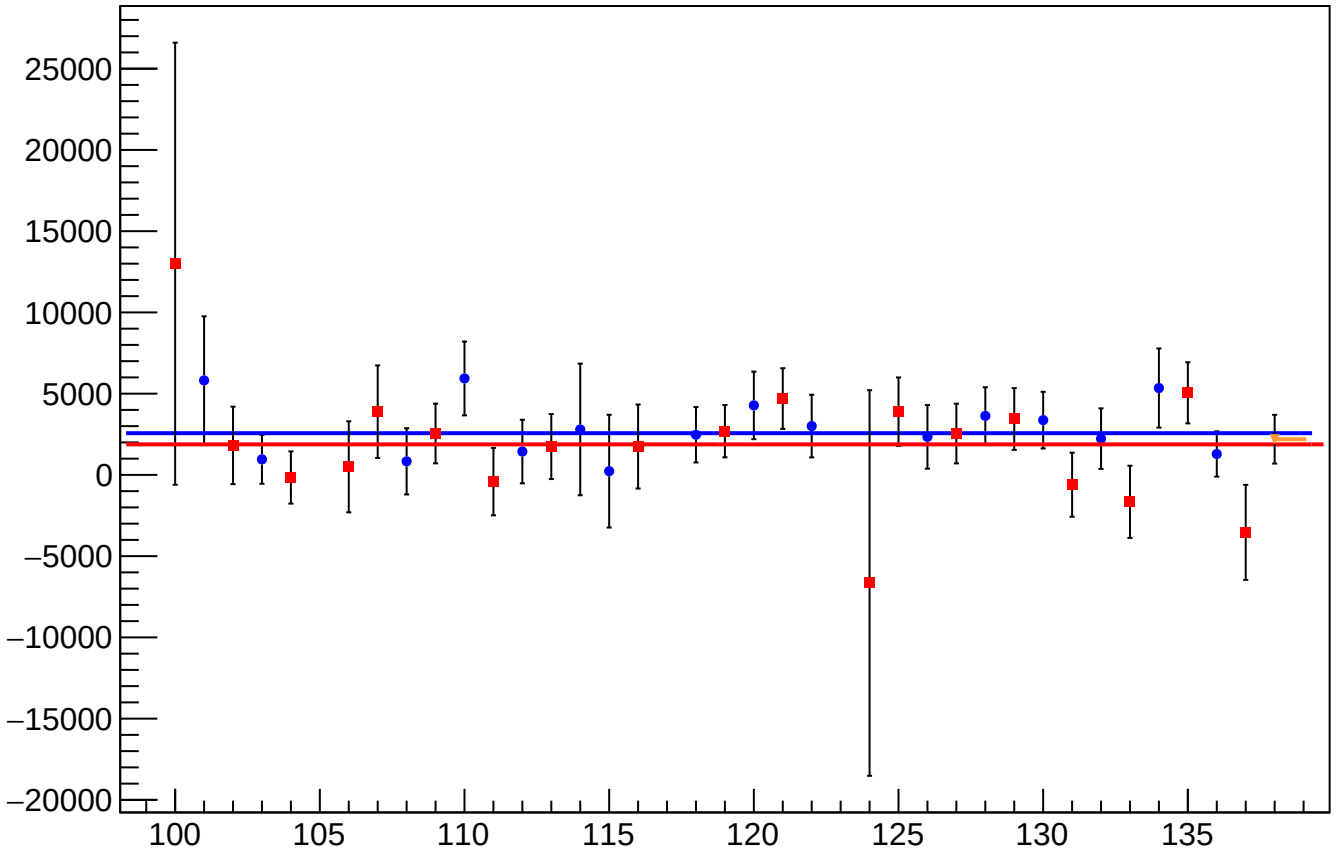
Left: 5001.600+/-4.042 χ^2/NDF: 0.0/0

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 2854.300+/-0.843 χ^2/NDF:2904822.2/15

Out: 2548.240+/-0.734 χ^2/NDF:3736961.8/19

All: 2680.110+/-0.554 χ^2/NDF: 6716717.8/35



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2197.424+/-1499.867 χ^2/NDF:0.0/0

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

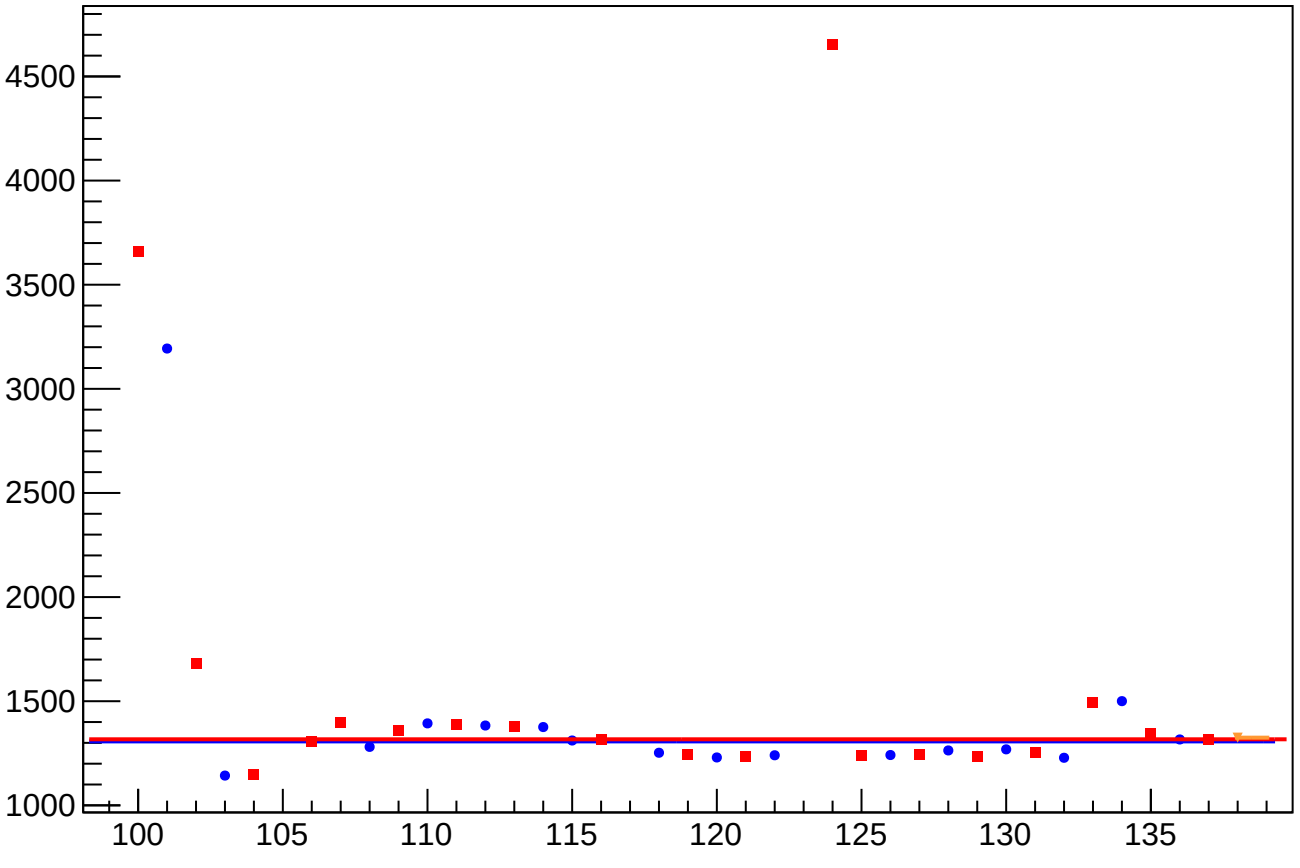
Left: 2197.424+/-1499.867 χ^2/NDF: 0.0/0

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2567.180+/-495.364 χ^2/NDF:9.0/15

Out: 1909.138+/-469.822 χ^2/NDF:19.6/19

All: 2220.757+/-340.886 χ^2/NDF: 29.6/35



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1324.967+/-1.061 χ^2/NDF:0.0/0

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

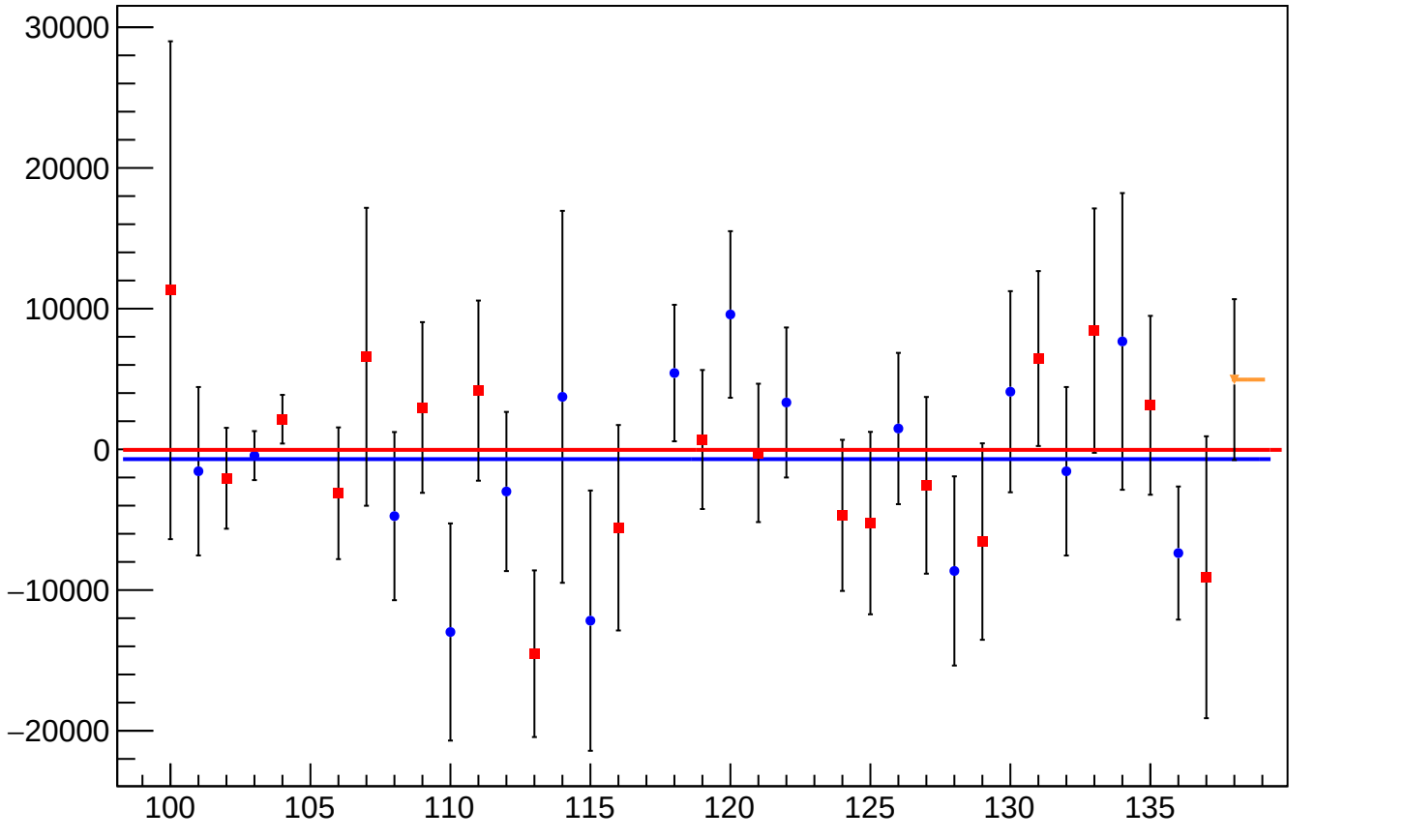
Left: 1324.967+/-1.061 χ^2/NDF: 0.0/0

Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1307.068+/-0.350 χ^2/NDF:516250.6/15

Out: 1317.895+/-0.332 χ^2/NDF:325976.1/19

All: 1312.777+/-0.241 χ^2/NDF: 842730.4/35



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 4958.047+/-5715.909 χ^2/NDF:0.0/0

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

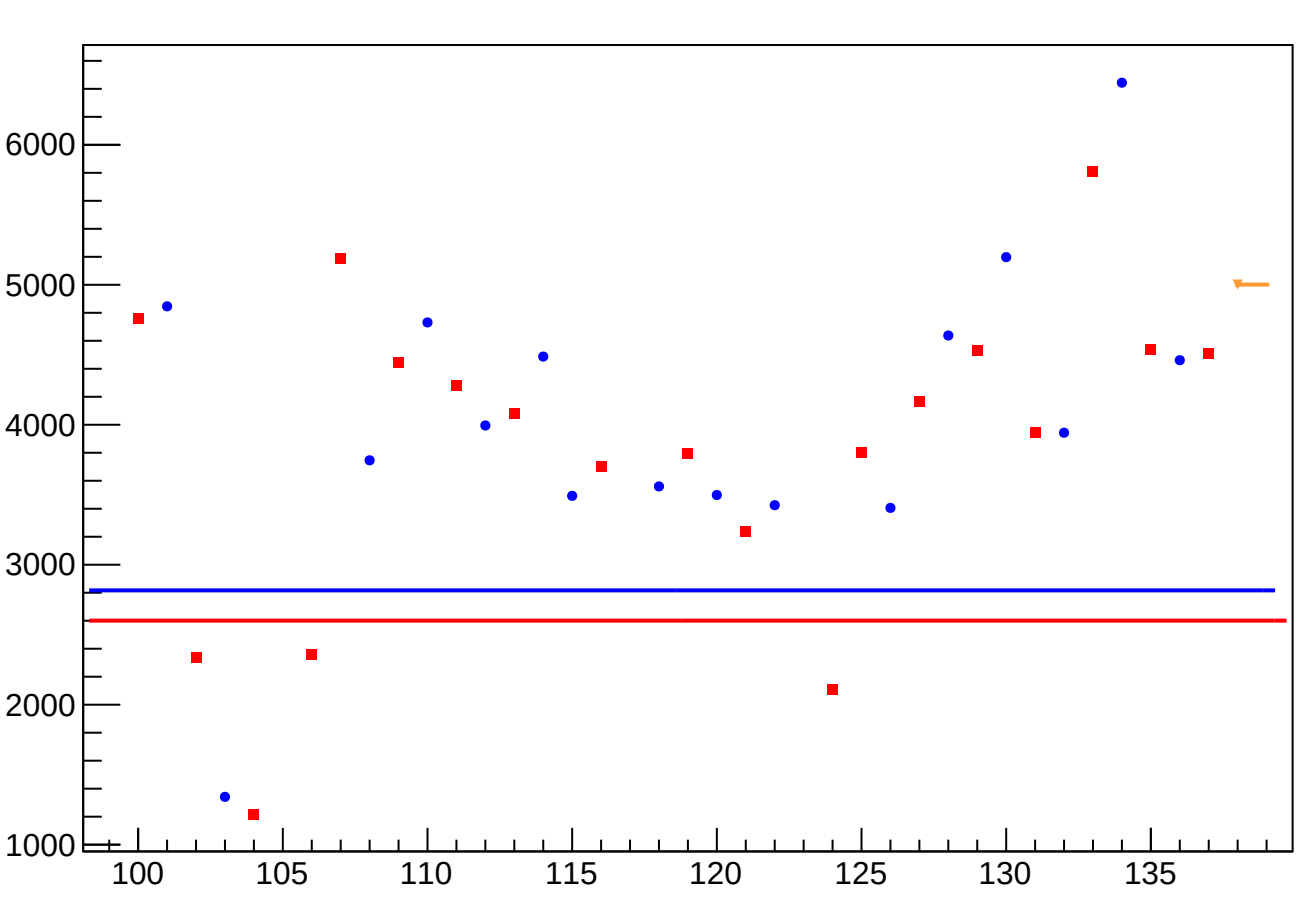
Left: 4958.047+/-5715.909 χ^2/NDF: 0.0/0

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -695.249+/-1182.433 χ^2/NDF:14.7/15

Out: 141.679+/-1078.481 χ^2/NDF:16.7/19

All: -238.386+/-796.822 χ^2/NDF: 31.6/35



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 5001.597+/-4.042 χ^2/NDF:0.0/0

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

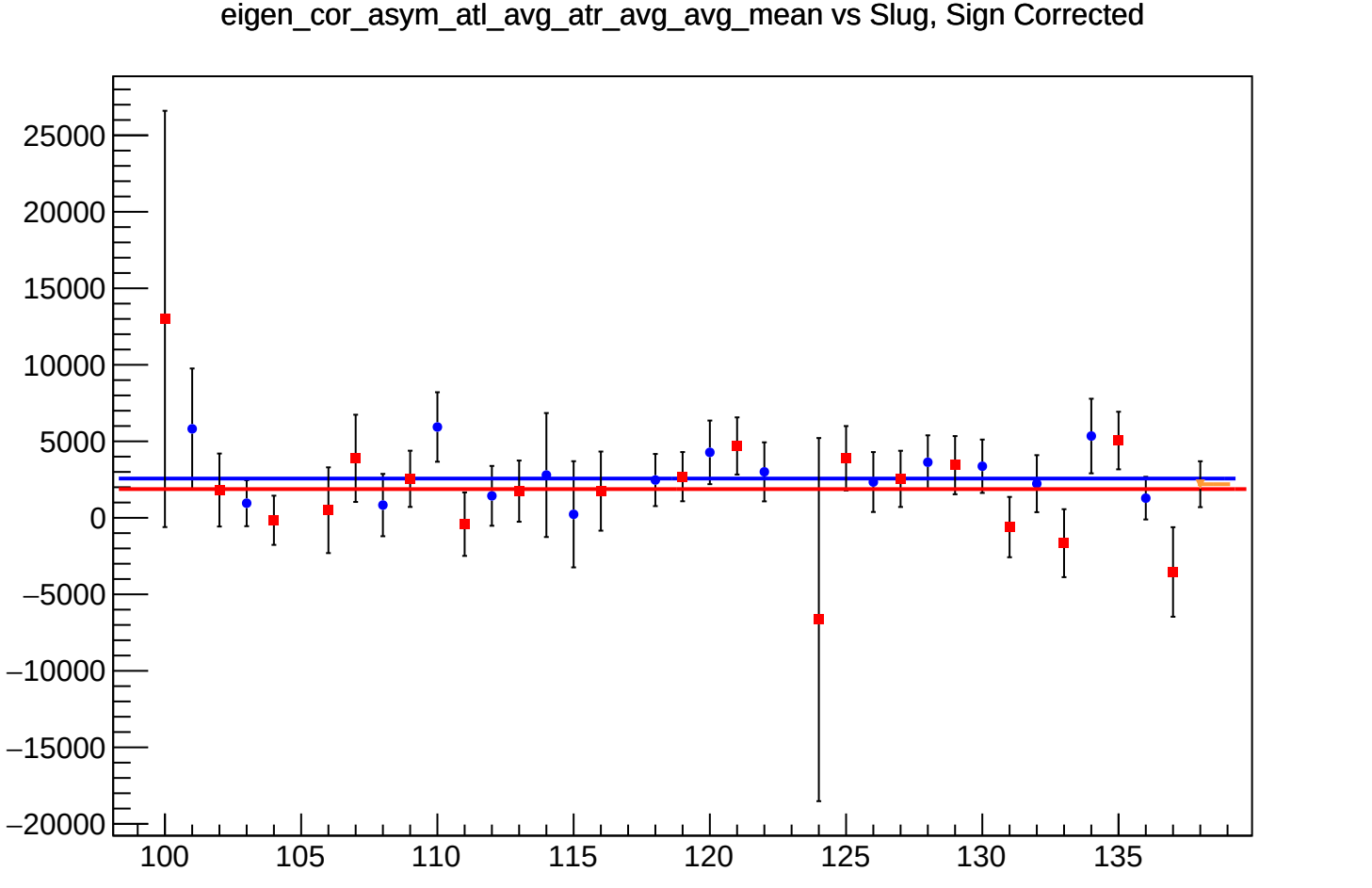
Left: 5001.597+/-4.042 χ^2/NDF: 0.0/0

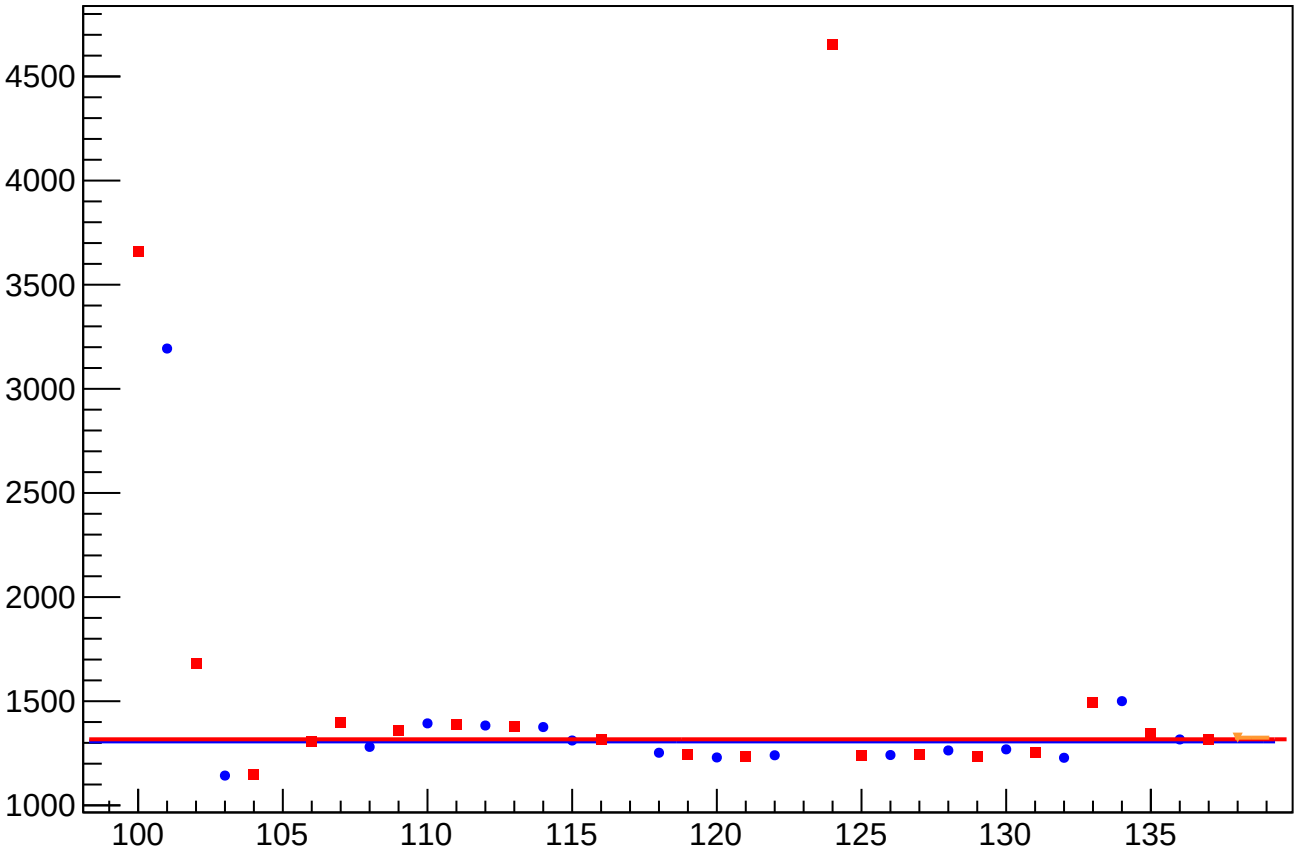
Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 2816.784+/-0.836 χ^2/NDF:3007570.0/15

Out: 2686.003+/-0.763 χ^2/NDF:3421122.9/19

All: 2745.393+/-0.563 χ^2/NDF: 6442048.4/35


eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
105
110
115
120
125
130
135
Right In: 2567.180+/-495.364 χ²/NDF: 9.0/15
Left Out: 2197.424+/-1499.867 χ²/NDF:0.0/0
Right Out: 1877.774+/-494.719 χ²/NDF: 19.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 2197.424+/-1499.867 χ²/NDF: 0.0/0
Right: 2222.028+/-350.047 χ²/NDF: 29.6/34
In: 2567.180+/-495.364 χ²/NDF:9.0/15
Out: 1909.138+/-469.822 χ²/NDF:19.6/19
All: 2220.757+/-340.886 χ²/NDF: 29.6/35



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1324.967+/-1.061 χ^2/NDF:0.0/0

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1324.967+/-1.061 χ^2/NDF: 0.0/0

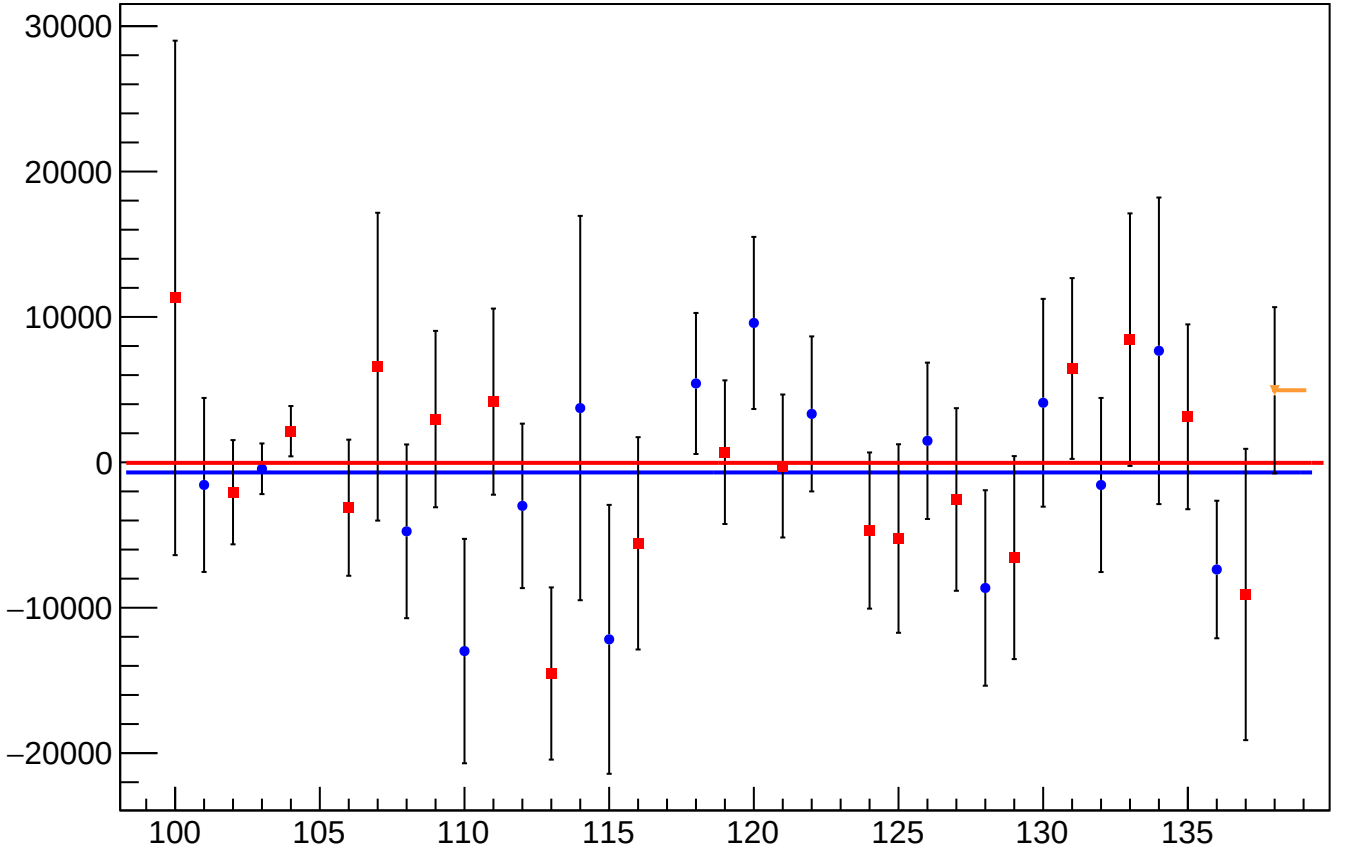
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1307.068+/-0.350 χ^2/NDF:516250.6/15

Out: 1317.895+/-0.332 χ^2/NDF:325976.1/19

All: 1312.777+/-0.241 χ^2/NDF: 842730.4/35

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: 4958.047+/-5715.909 χ^2/NDF:0.0/0

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

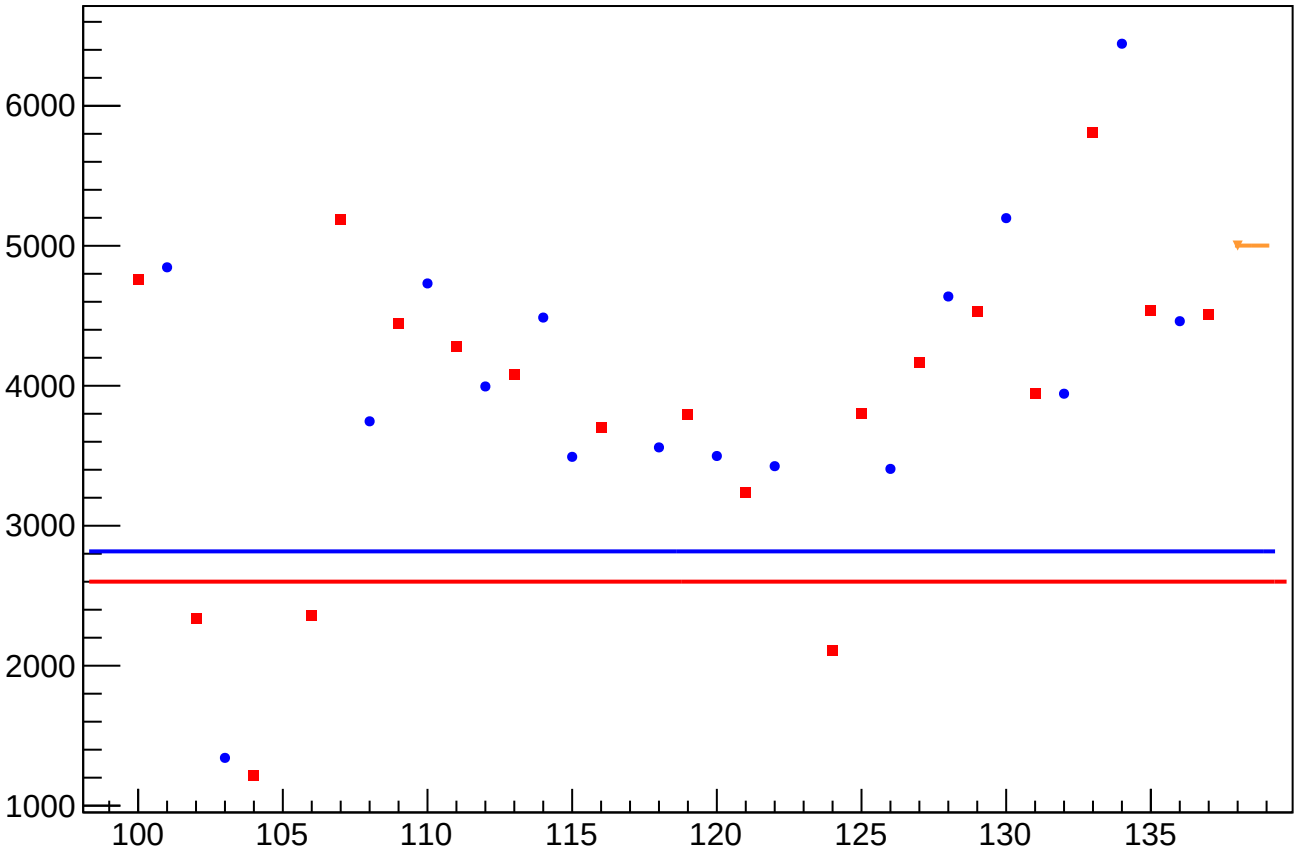
Left: 4958.047+/-5715.909 χ^2/NDF: 0.0/0

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -695.249+/-1182.433 χ^2/NDF:14.7/15

Out: 141.679+/-1078.481 χ^2/NDF:16.7/19

All: -238.386+/-796.822 χ^2/NDF: 31.6/35



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 5001.597+/-4.042 χ^2/NDF:0.0/0

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

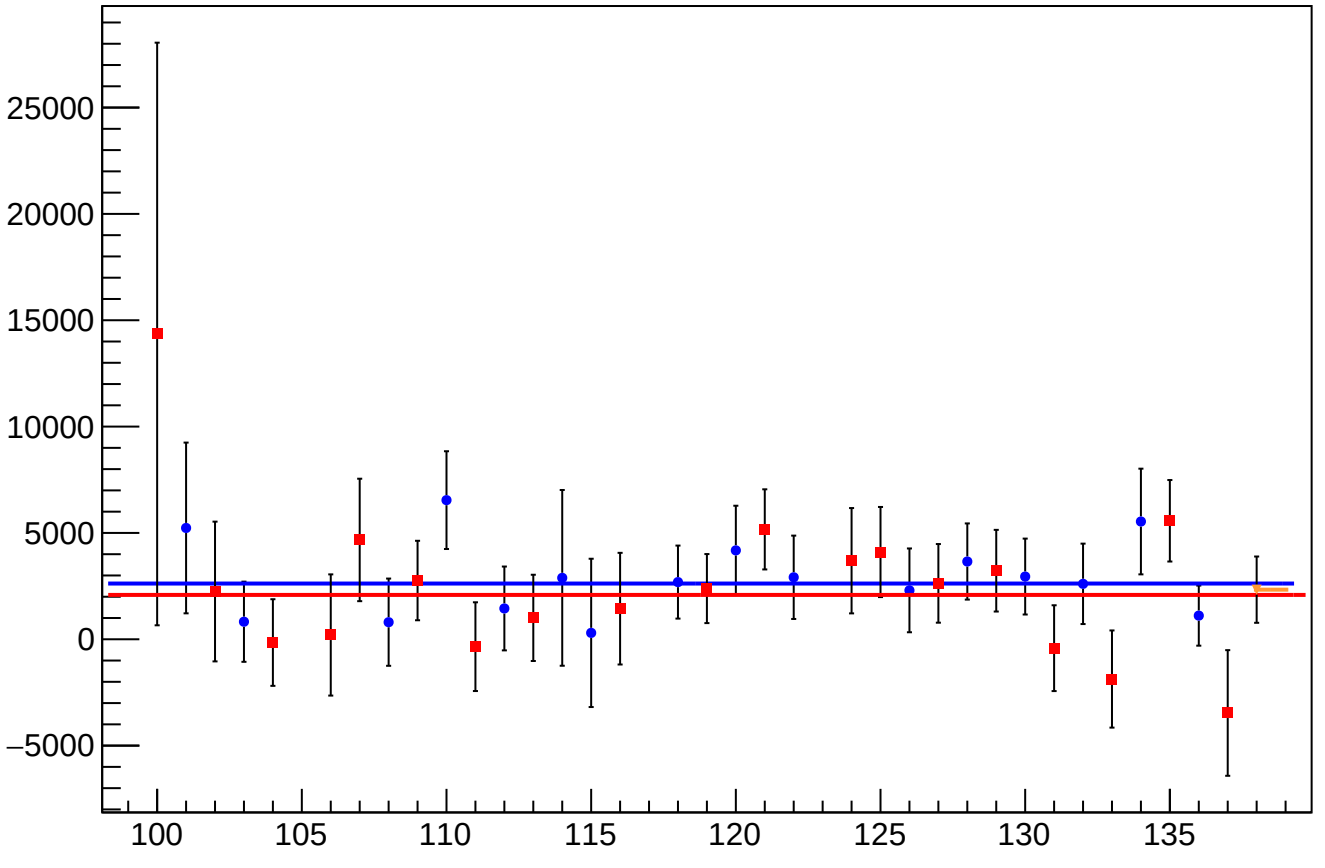
Left: 5001.597+/-4.042 χ^2/NDF: 0.0/0

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 2816.784+/-0.836 χ^2/NDF:3007570.0/15

Out: 2686.003+/-0.763 χ^2/NDF:3421122.9/19

All: 2745.393+/-0.563 χ^2/NDF: 6442048.4/35



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 2332.787+/-1558.370 χ^2/NDF:0.0/0

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

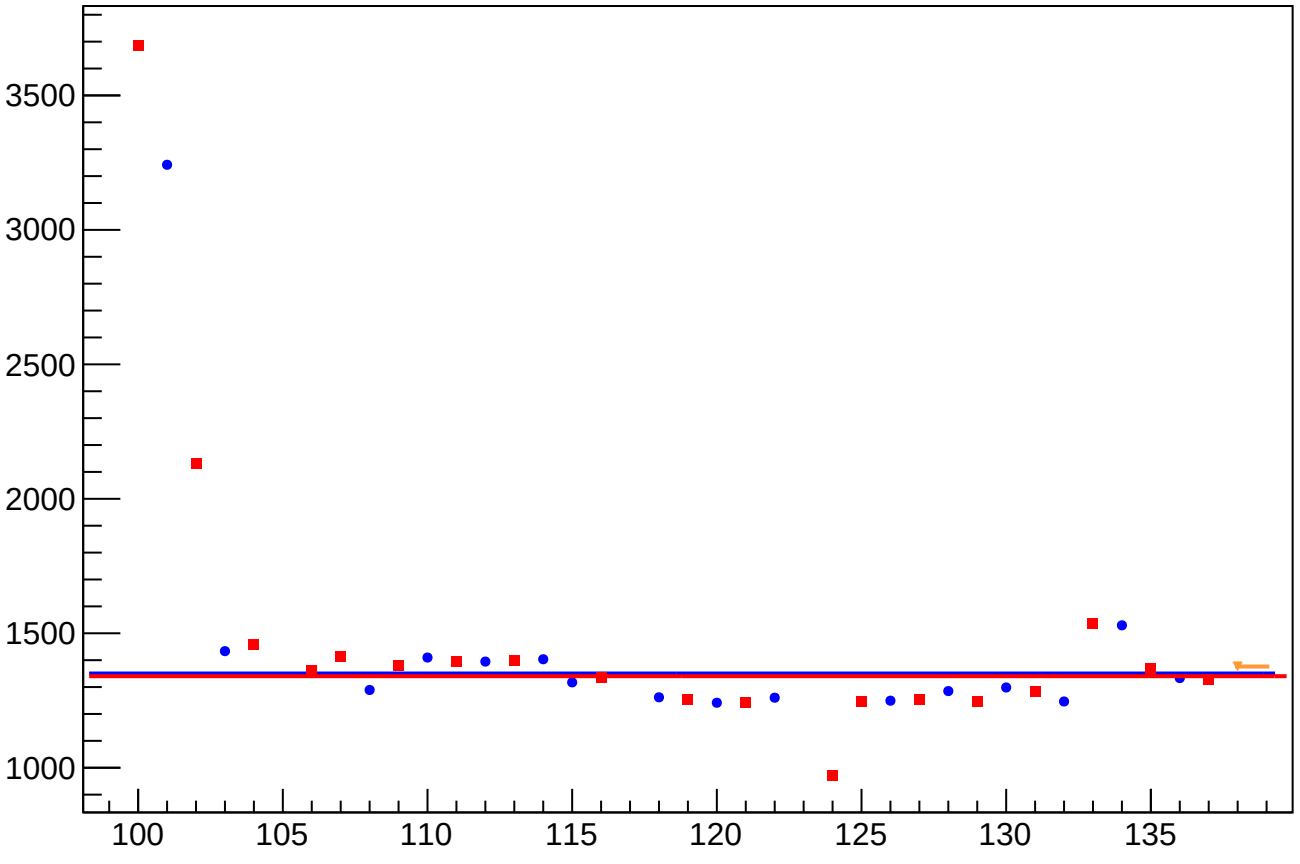
Left: 2332.787+/-1558.370 χ^2/NDF: 0.0/0

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2620.535+/-511.510 χ^2/NDF:9.3/15

Out: 2109.086+/-480.296 χ^2/NDF:21.0/19

All: 2348.730+/-350.136 χ^2/NDF: 30.8/35



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1376.327+/-1.102 χ^2/NDF:0.0/0

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

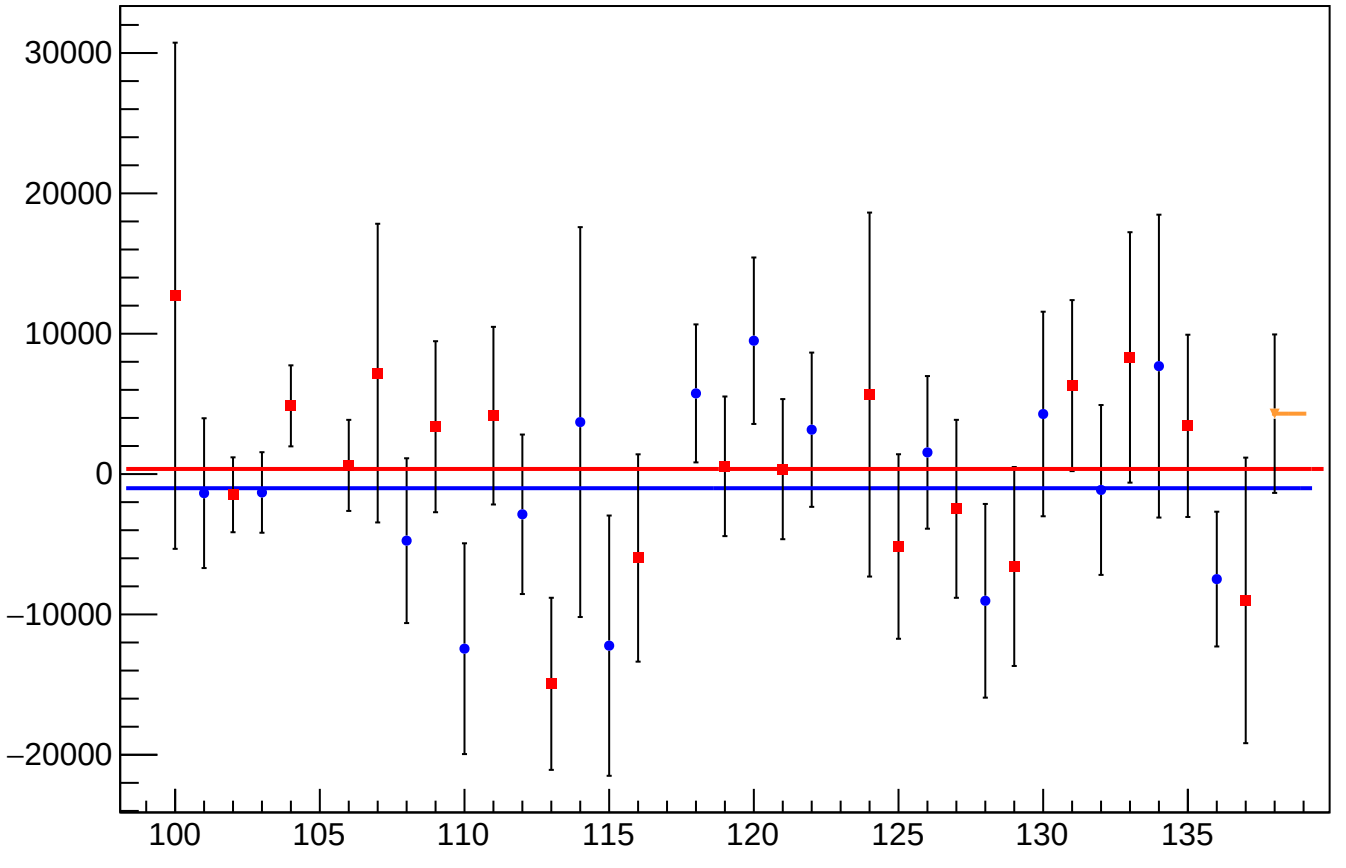
Left: 1376.327+/-1.102 χ^2/NDF: 0.0/0

Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1350.369+/-0.362 χ^2/NDF:494051.1/15

Out: 1343.835+/-0.339 χ^2/NDF:273144.1/19

All: 1346.895+/-0.248 χ^2/NDF: 767368.7/35



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 4303.825+/-5645.635 χ^2/NDF:0.0/0

Right Out: 364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

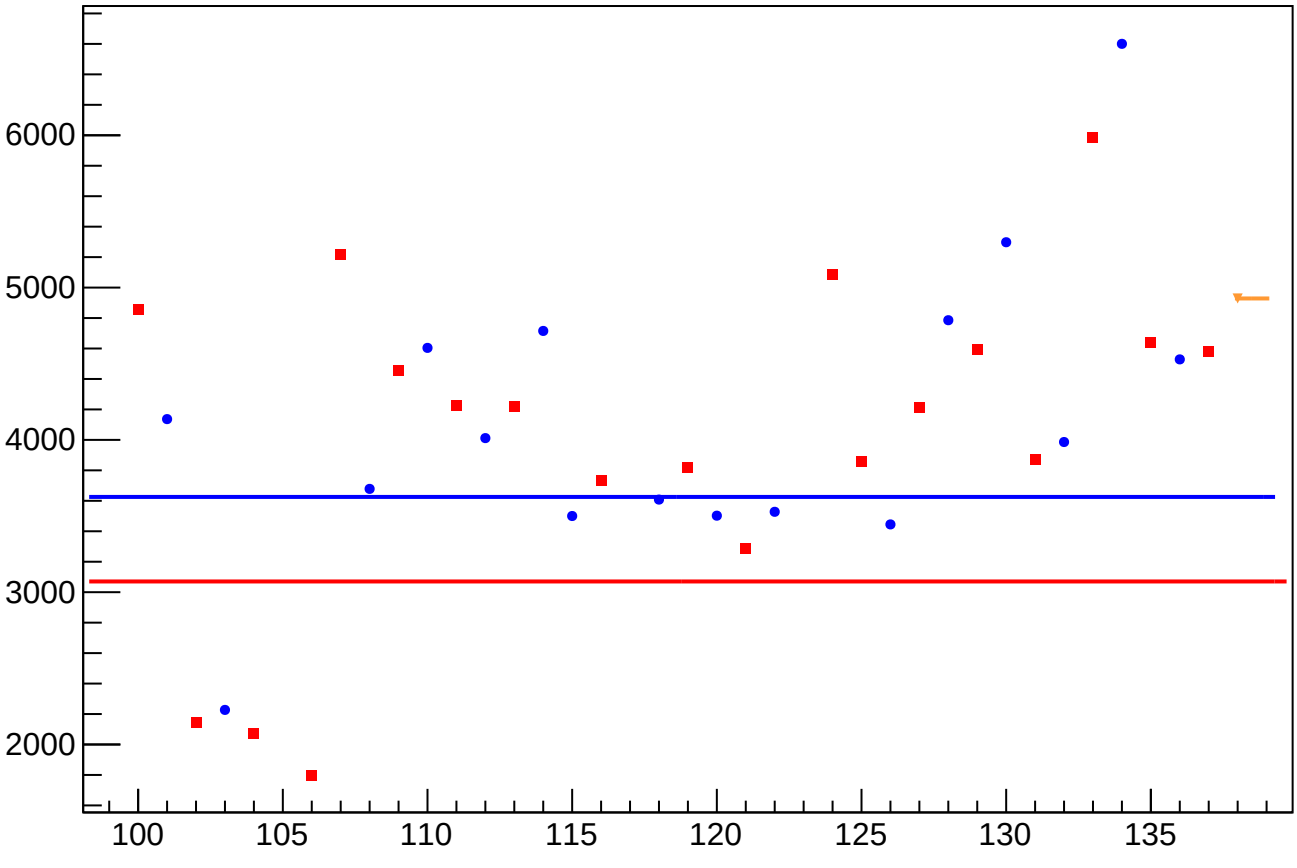
Left: 4303.825+/-5645.635 χ^2/NDF: 0.0/0

Right: -215.533+/-913.430 χ^2/NDF: 31.4/34

In: -1006.752+/-1404.458 χ^2/NDF:14.6/15

Out: 535.454+/-1176.116 χ^2/NDF:16.7/19

All: -100.246+/-901.704 χ^2/NDF: 32.0/35



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4928.587+/-3.992 χ^2/NDF:0.0/0

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

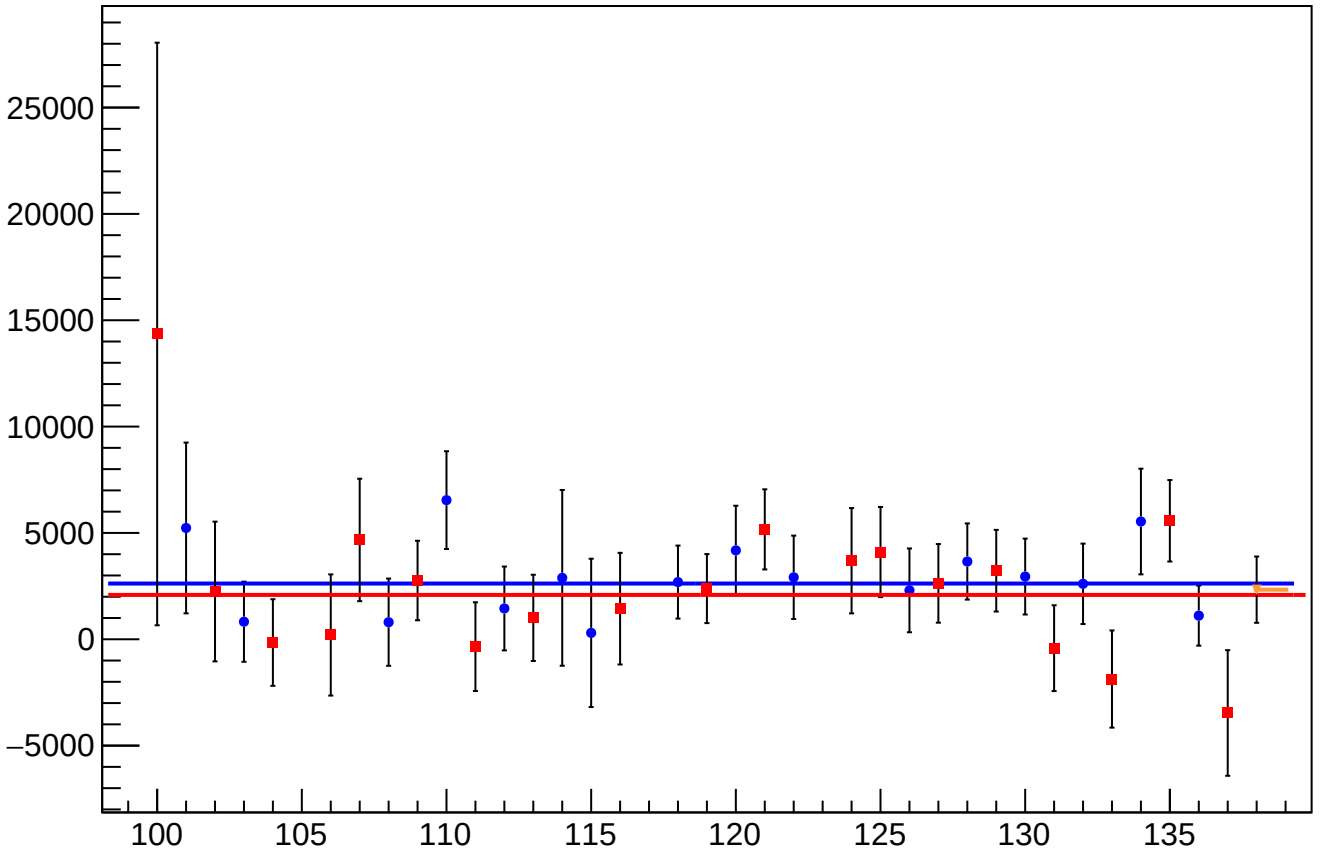
Left: 4928.587+/-3.992 χ^2/NDF: 0.0/0

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 3625.512+/-0.993 χ^2/NDF:944905.4/15

Out: 3151.083+/-0.832 χ^2/NDF:2045909.1/19

All: 3346.644+/-0.638 χ^2/NDF: 3124962.2/35



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 2332.802+/-1558.370 χ^2/NDF:0.0/0

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

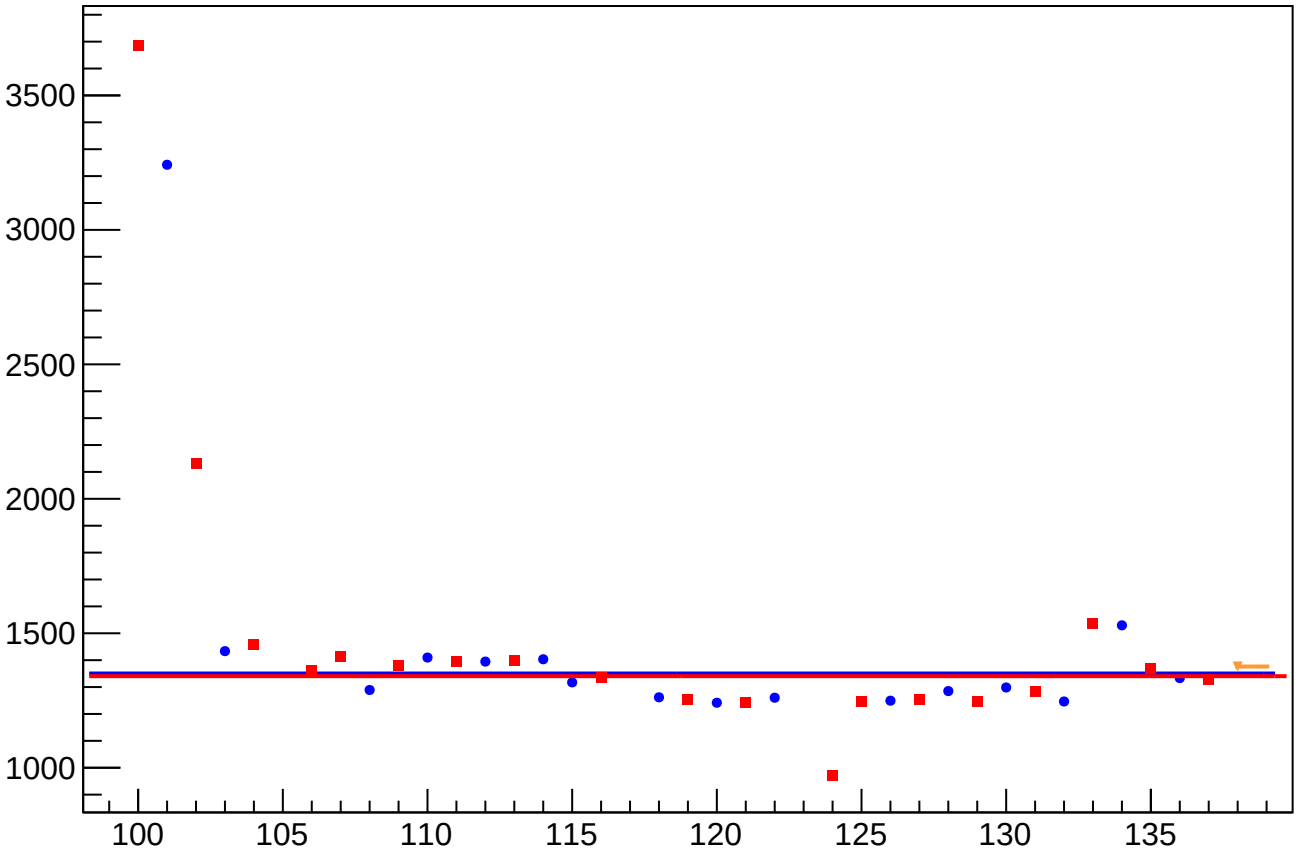
Left: 2332.802+/-1558.370 χ^2/NDF: 0.0/0

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2620.535+/-511.510 χ^2/NDF:9.3/15

Out: 2109.089+/-480.296 χ^2/NDF:21.0/19

All: 2348.732+/-350.136 χ^2/NDF: 30.8/35



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1376.327+/-1.102 χ^2/NDF:0.0/0

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

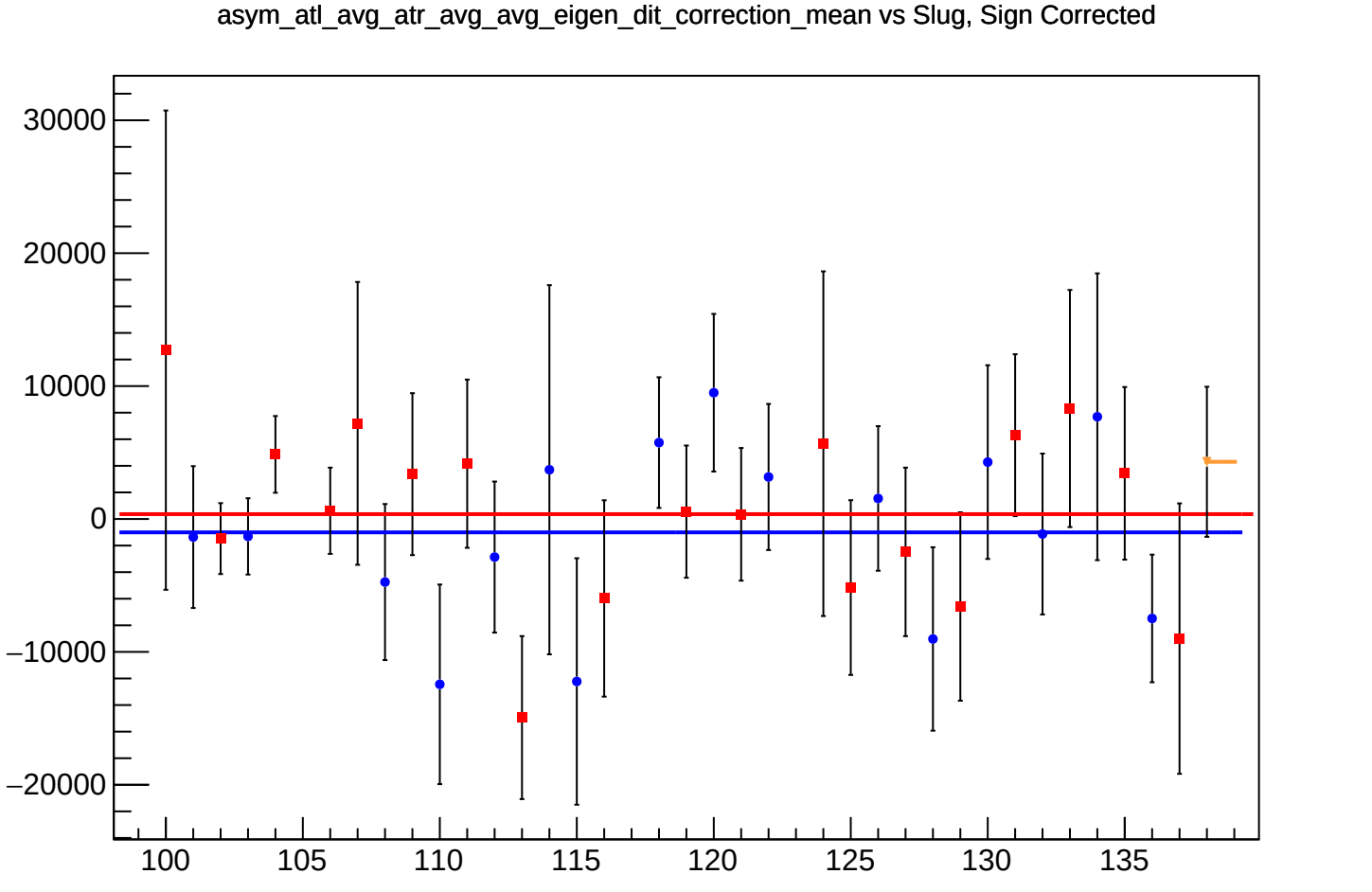
Left: 1376.327+/-1.102 χ^2/NDF: 0.0/0

Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

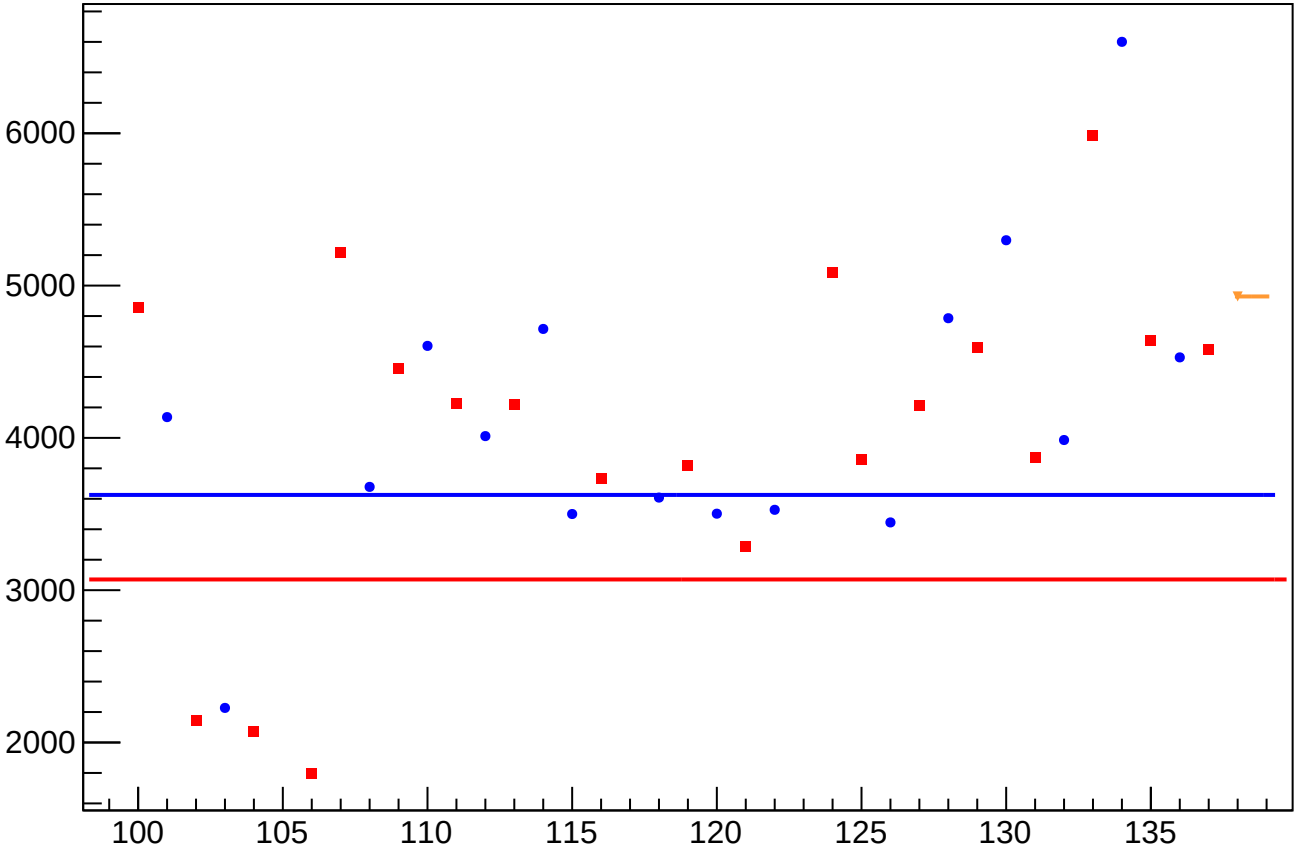
In: 1350.369+/-0.362 χ^2/NDF:494051.2/15

Out: 1343.834+/-0.339 χ^2/NDF:273143.2/19

All: 1346.894+/-0.248 χ^2/NDF: 767367.9/35


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: 4303.838+/-5645.648 χ²/NDF:0.0/0
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 4303.838+/-5645.648 χ²/NDF: 0.0/0
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -1006.742+/-1404.455 χ²/NDF:14.6/15
Out: 535.454+/-1176.113 χ²/NDF:16.7/19
All: -100.243+/-901.702 χ²/NDF: 32.0/35

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: 4928.598+/-3.992 χ^2/NDF:0.0/0

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

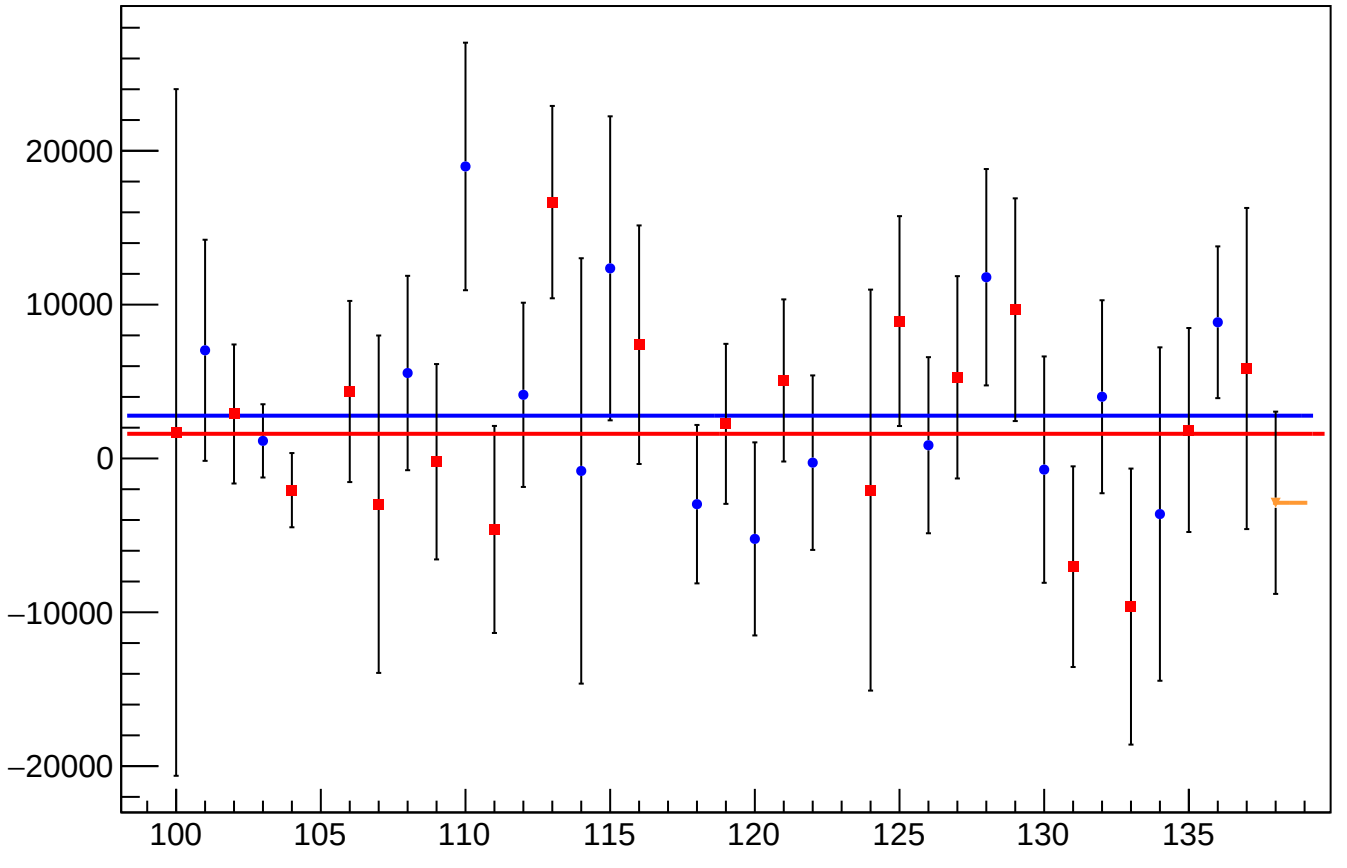
Left: 4928.598+/-3.992 χ^2/NDF: 0.0/0

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 3625.503+/-0.993 χ^2/NDF:944907.6/15

Out: 3151.074+/-0.832 χ^2/NDF:2045915.6/19

All: 3346.635+/-0.638 χ^2/NDF: 3124971.2/35



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: -2880.926+/-5923.963 χ^2/NDF:0.0/0

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

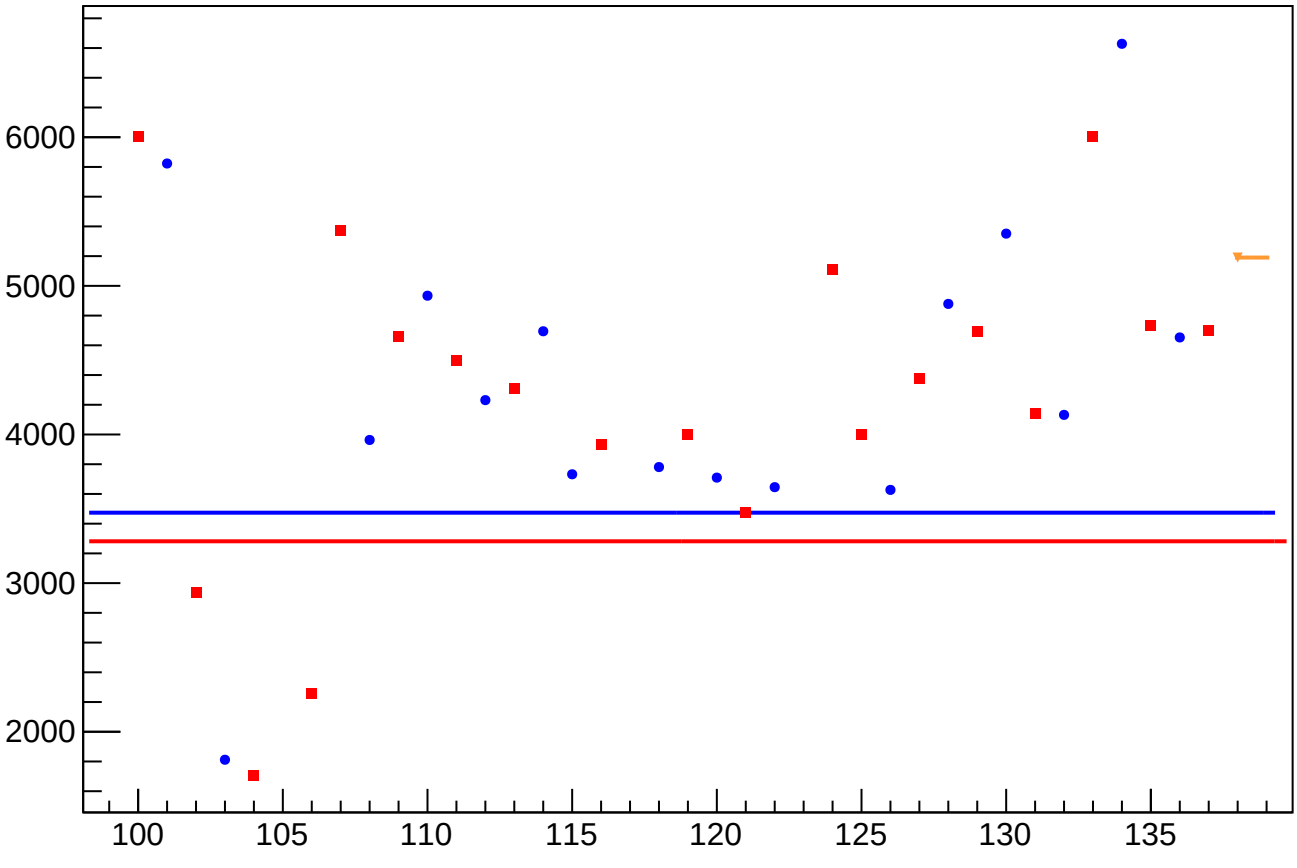
Left: -2880.926+/-5923.963 χ^2/NDF: 0.0/0

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2780.878+/-1389.439 χ^2/NDF:13.2/15

Out: 1385.309+/-1304.213 χ^2/NDF:17.3/19

All: 2038.982+/-950.921 χ^2/NDF: 31.1/35



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 5190.461+/-4.189 χ^2/NDF:0.0/0

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 5190.461+/-4.189 χ^2/NDF: 0.0/0

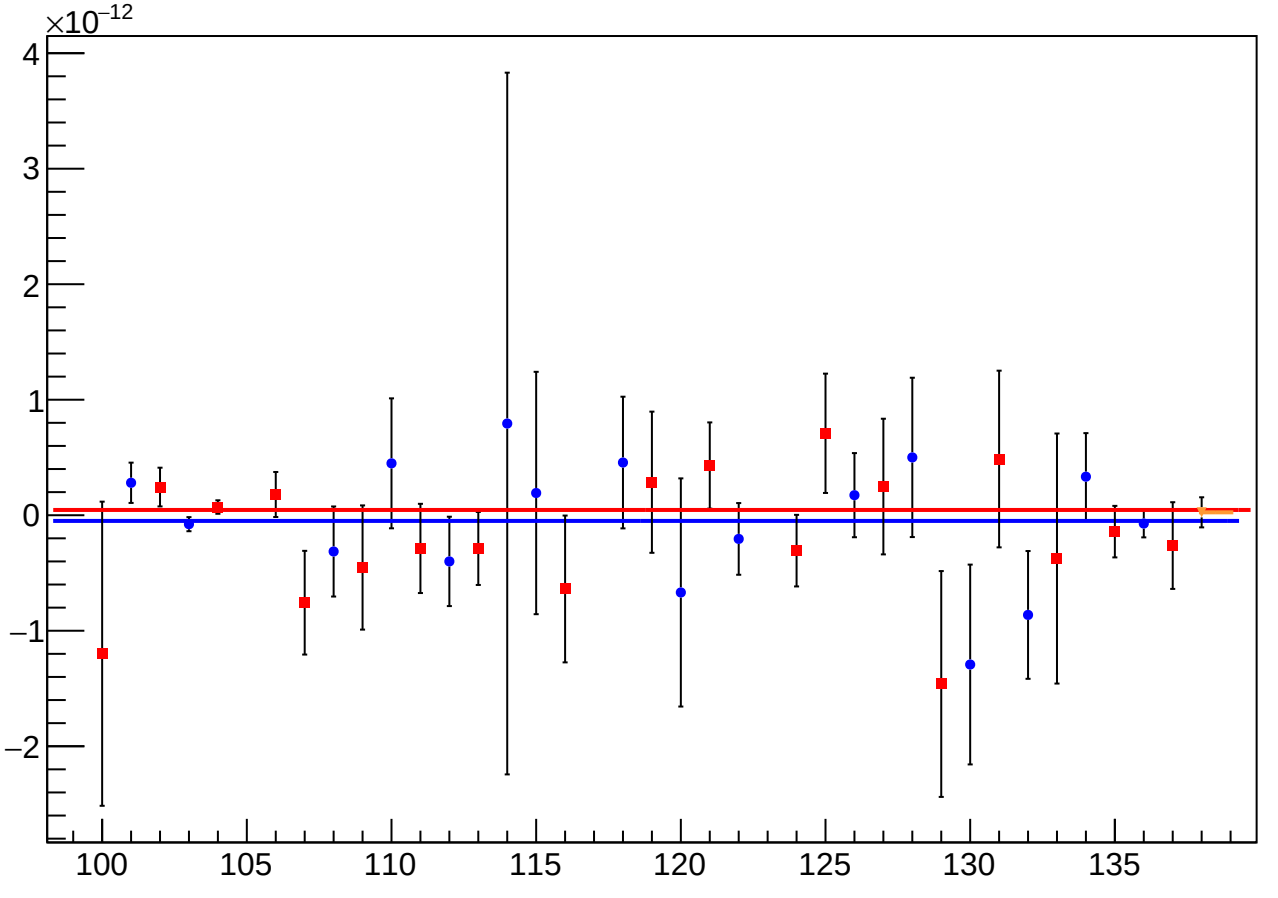
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3473.898+/-0.982 χ^2/NDF:1843964.2/15

Out: 3371.613+/-0.910 χ^2/NDF:2073374.9/19

All: 3418.856+/-0.668 χ^2/NDF: 3923171.7/35

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

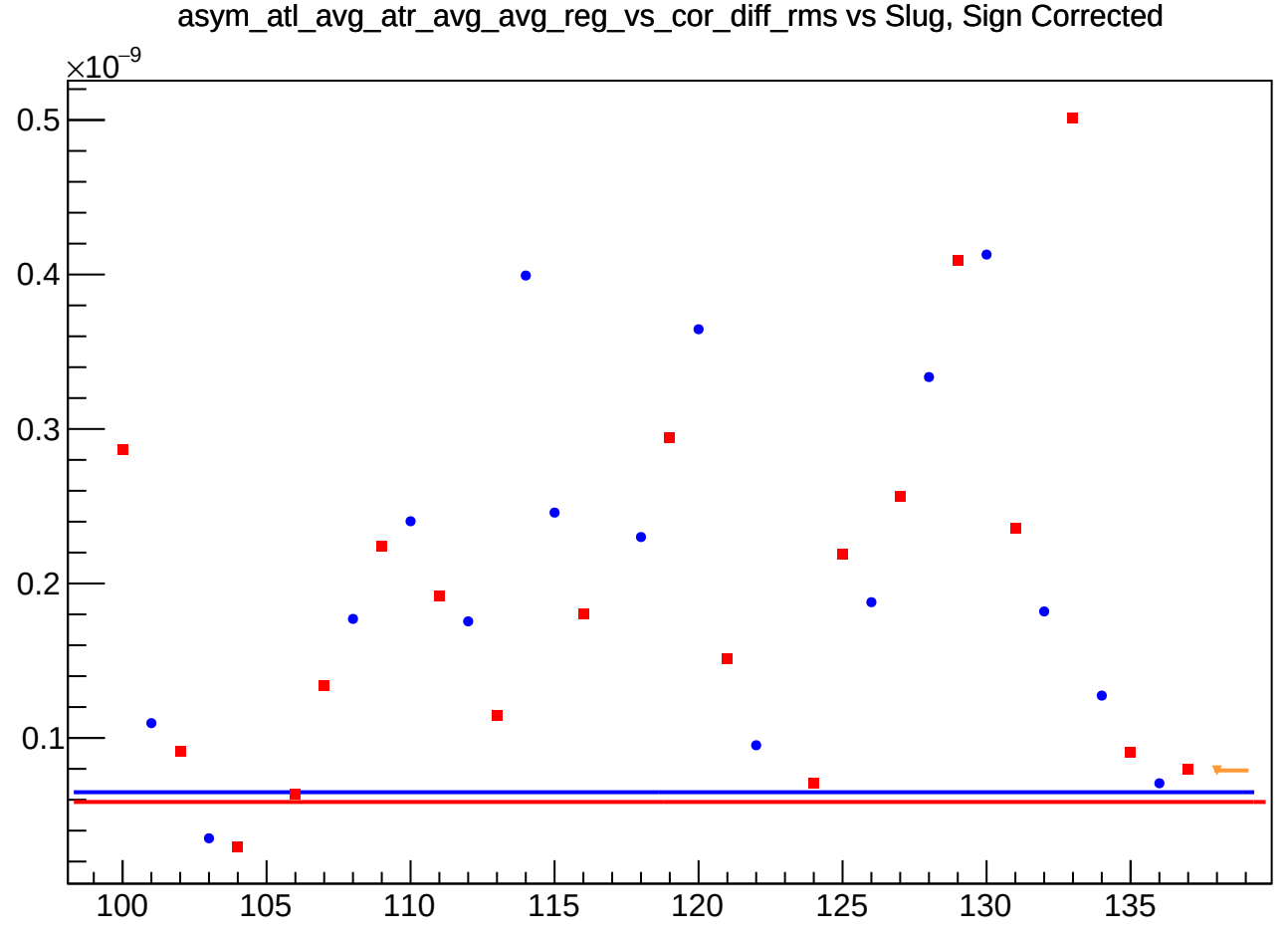
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 34.2/34

In: -0.000+/-0.000 χ^2/NDF:13.7/15

Out: 0.000+/-0.000 χ^2/NDF:18.6/19

All: 0.000+/-0.000 χ^2/NDF: 34.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

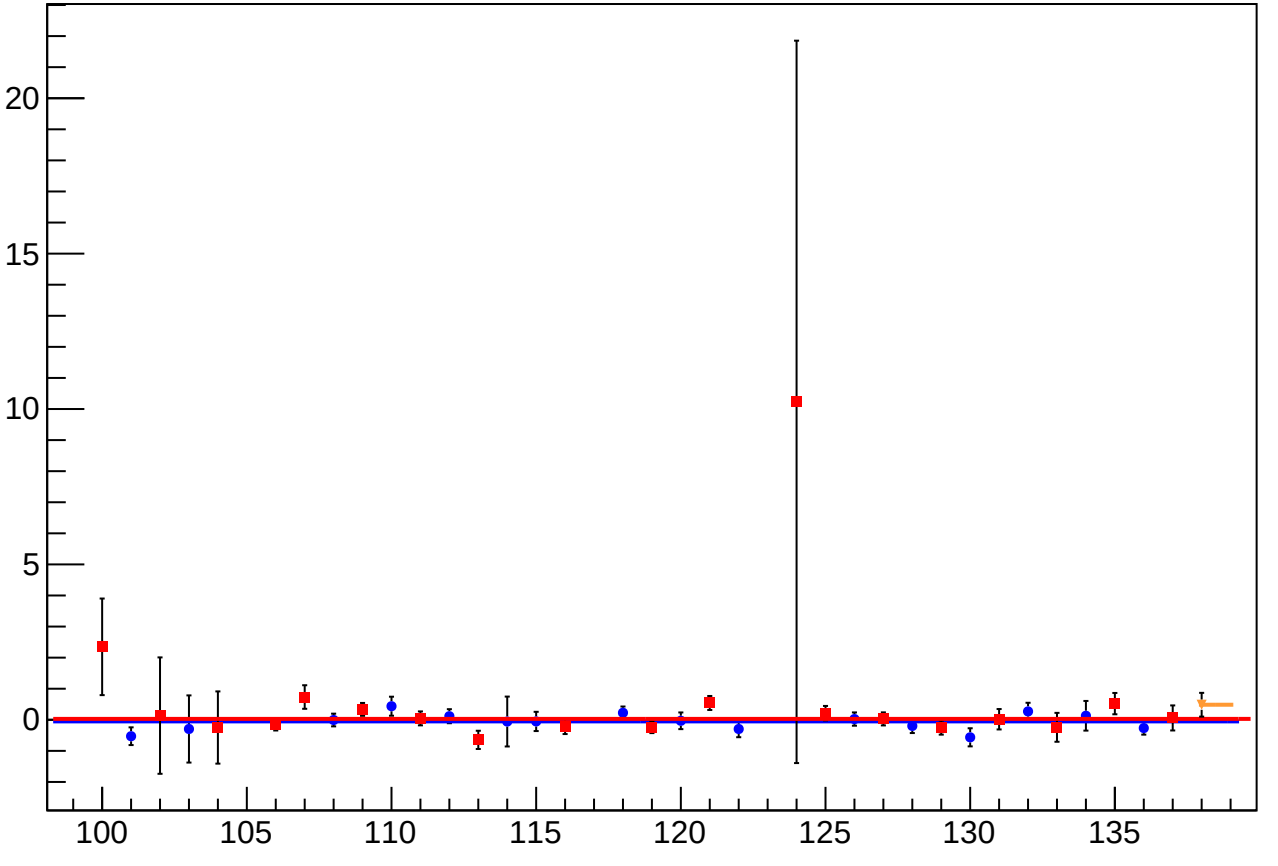
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:2592912.3/15

Out: 0.000+/-0.000 χ^2/NDF:2898397.7/19

All: 0.000+/-0.000 χ^2/NDF: 5498368.4/35

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: 0.485+/-0.382 χ^2/NDF:0.0/0

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

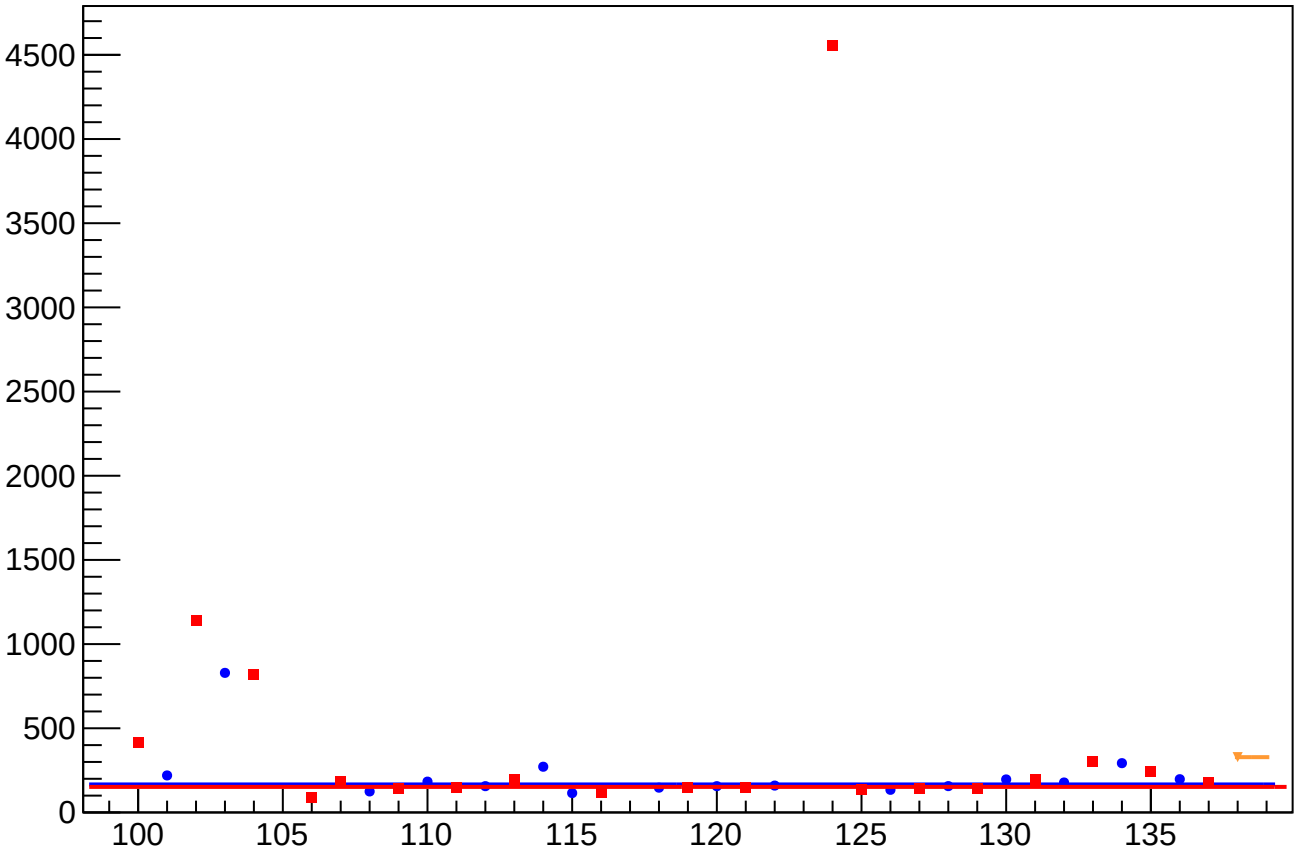
Left: 0.485+/-0.382 χ^2/NDF: 0.0/0

Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.051+/-0.067 χ^2/NDF:14.9/15

Out: 0.041+/-0.063 χ^2/NDF:28.9/19

All: -0.002+/-0.046 χ^2/NDF: 44.8/35



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 328.479+/-0.270 χ^2/NDF:0.0/0

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 328.479+/-0.270 χ^2/NDF: 0.0/0

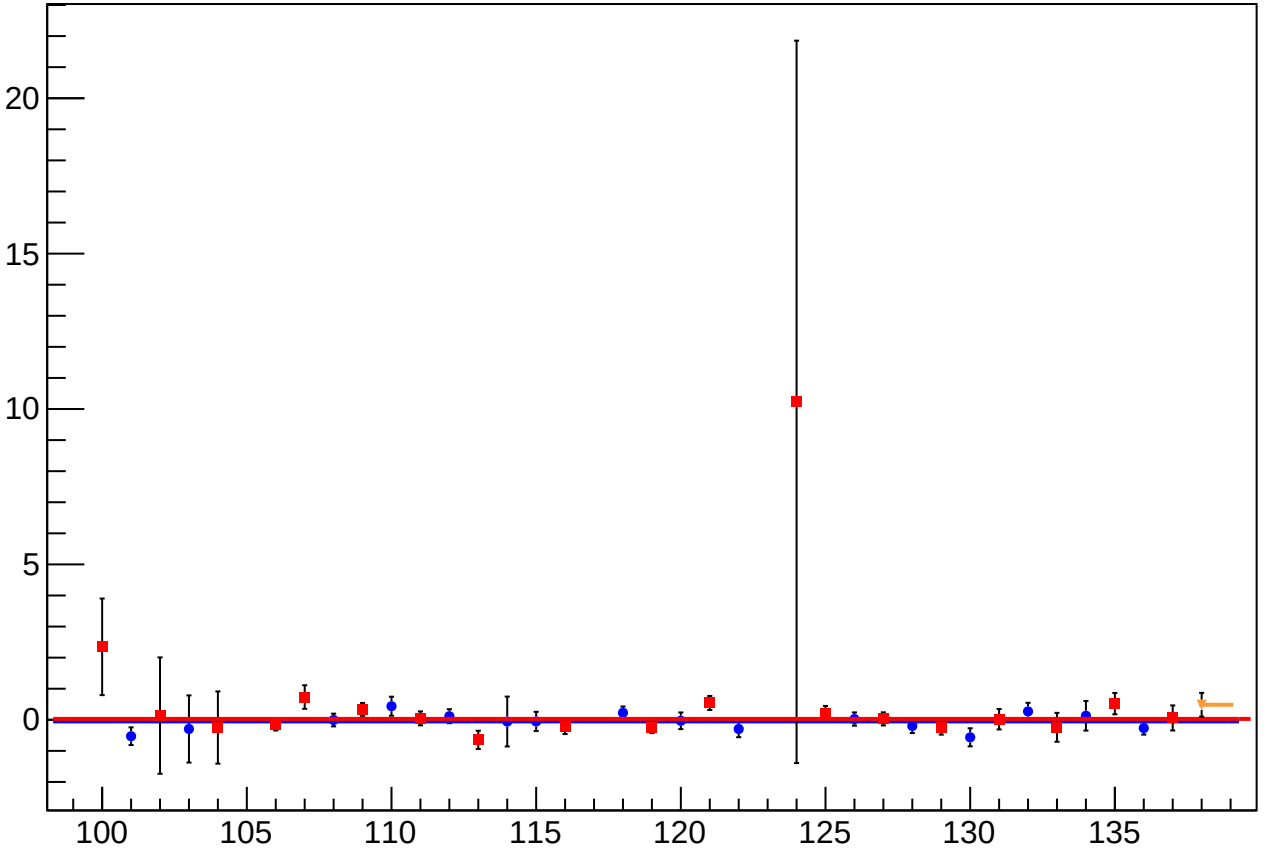
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 166.360+/-0.047 χ^2/NDF:1282728.5/15

Out: 156.611+/-0.045 χ^2/NDF:2731196.1/19

All: 161.217+/-0.032 χ^2/NDF: 4036447.2/35

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: 0.485+/-0.382 χ^2/NDF:0.0/0

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.485+/-0.382 χ^2/NDF: 0.0/0

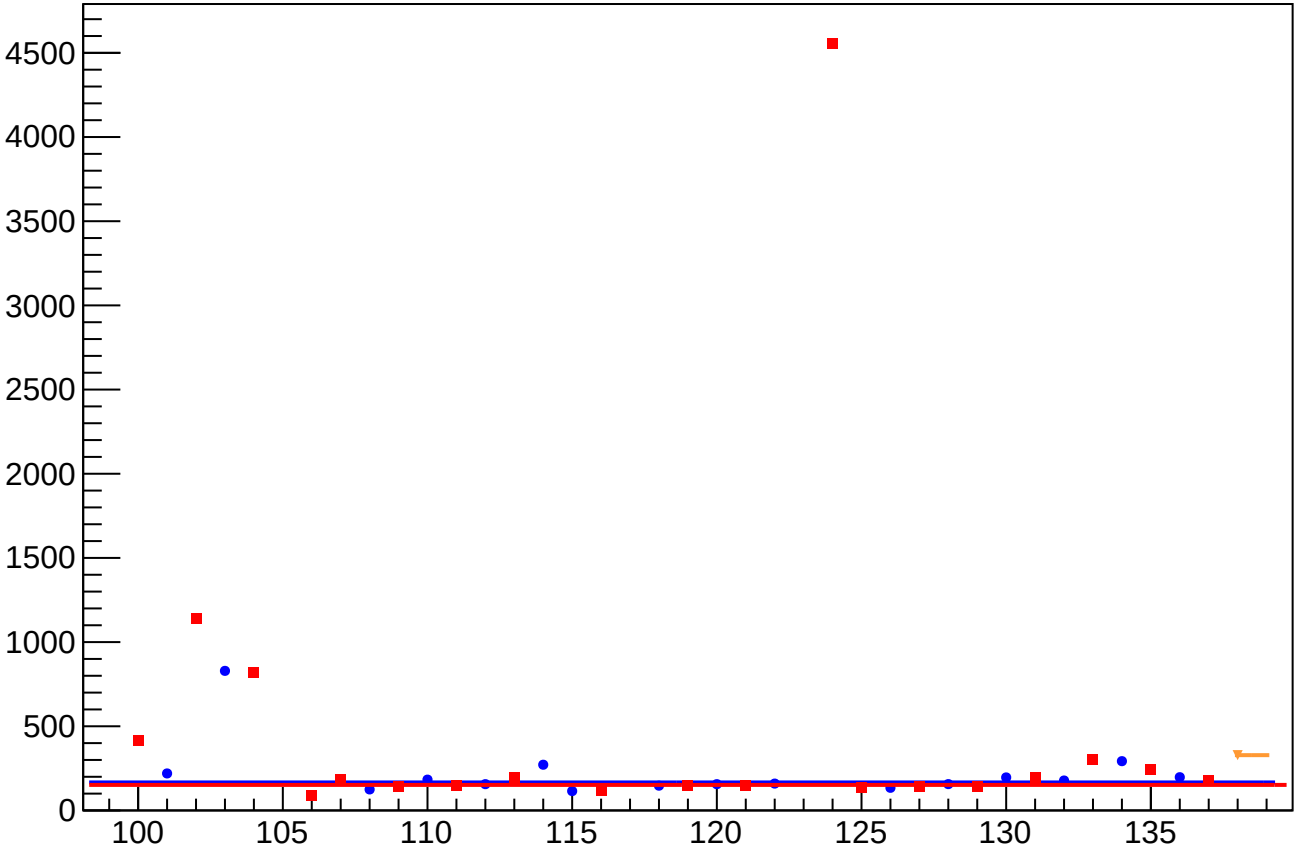
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.051+/-0.067 χ^2/NDF:14.9/15

Out: 0.041+/-0.063 χ^2/NDF:28.9/19

All: -0.002+/-0.046 χ^2/NDF: 44.8/35

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: 328.479+/-0.270 χ^2/NDF:0.0/0

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

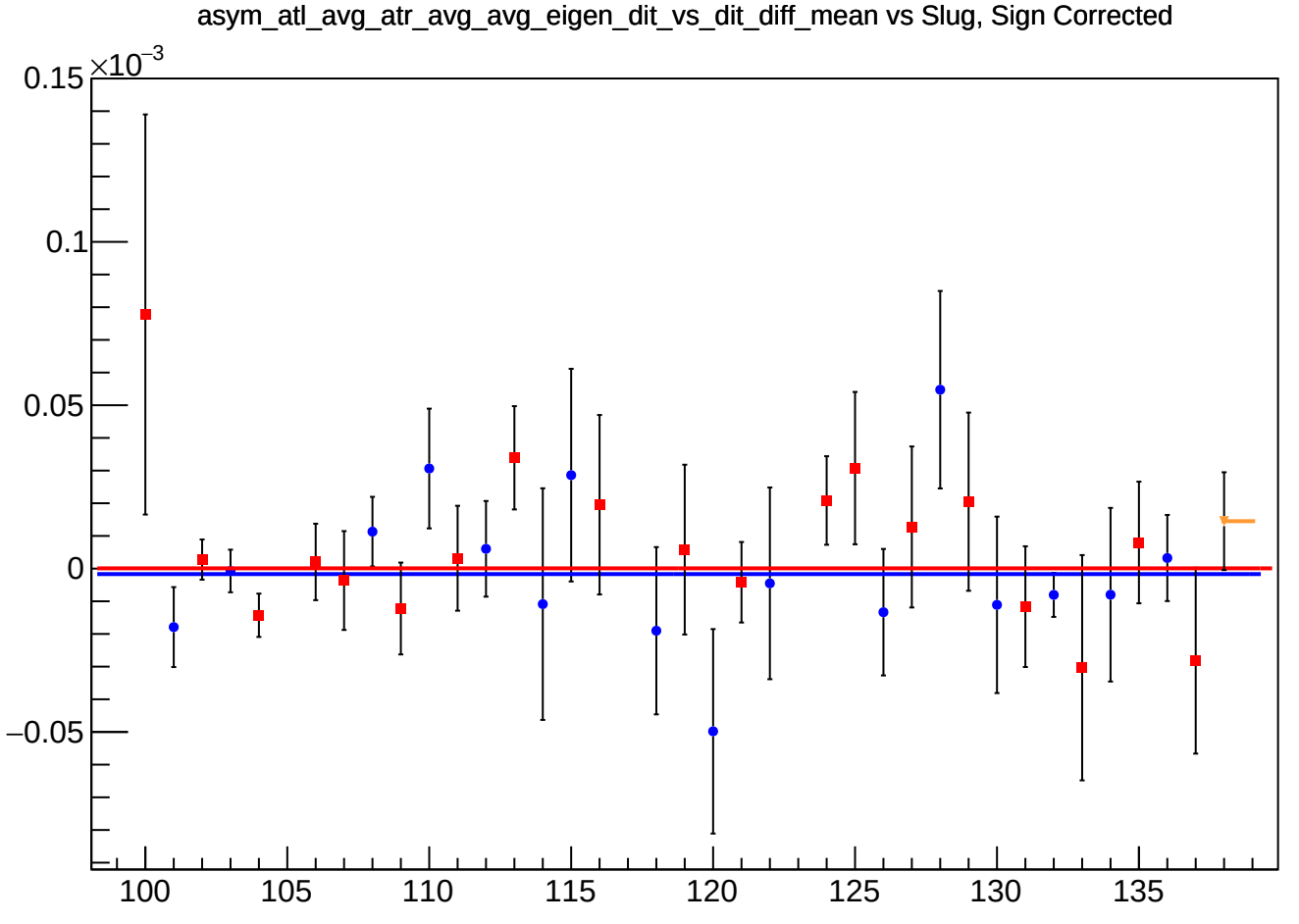
Left: 328.479+/-0.270 χ^2/NDF: 0.0/0

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 166.360+/-0.047 χ^2/NDF:1282728.5/15

Out: 156.611+/-0.045 χ^2/NDF:2731196.1/19

All: 161.217+/-0.032 χ^2/NDF: 4036447.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

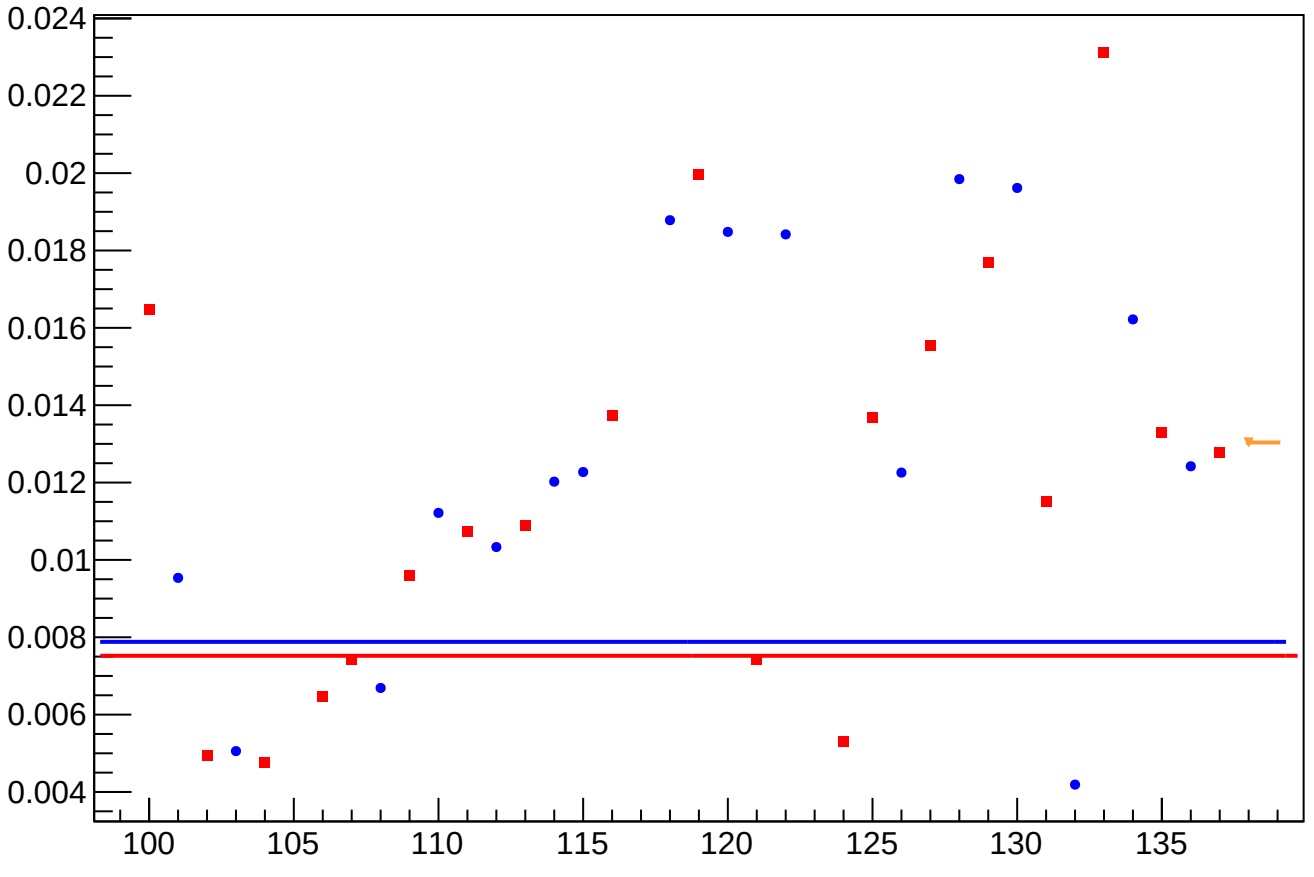
Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:15.5/15

Out: 0.000+/-0.000 χ^2/NDF:20.8/19

All: -0.000+/-0.000 χ^2/NDF: 36.5/35

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.000 χ^2/NDF: 0.0/0

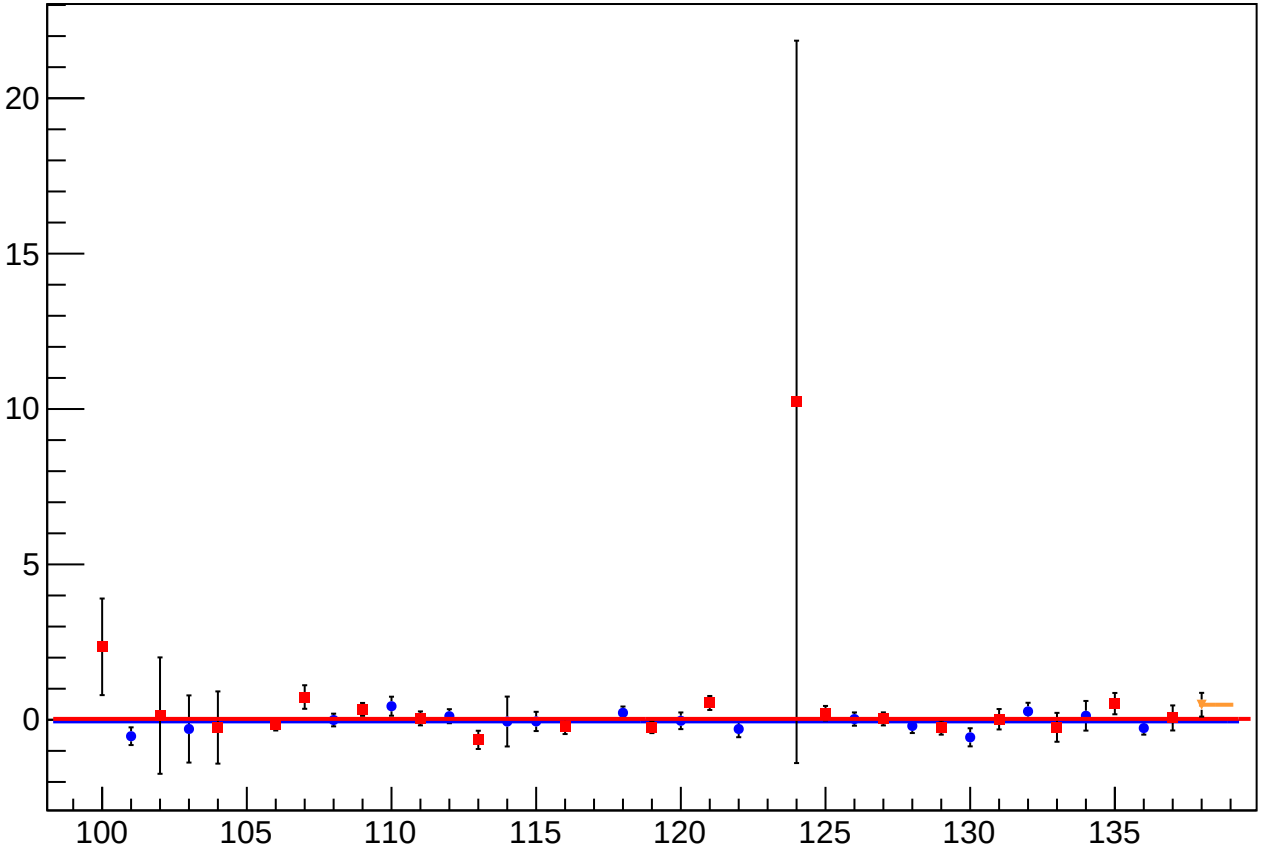
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.008+/-0.000 χ^2/NDF:3301734.3/15

Out: 0.008+/-0.000 χ^2/NDF:3235453.4/19

All: 0.008+/-0.000 χ^2/NDF: 6538748.3/35

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: 0.485+/-0.382 χ^2/NDF:0.0/0

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.485+/-0.382 χ^2/NDF: 0.0/0

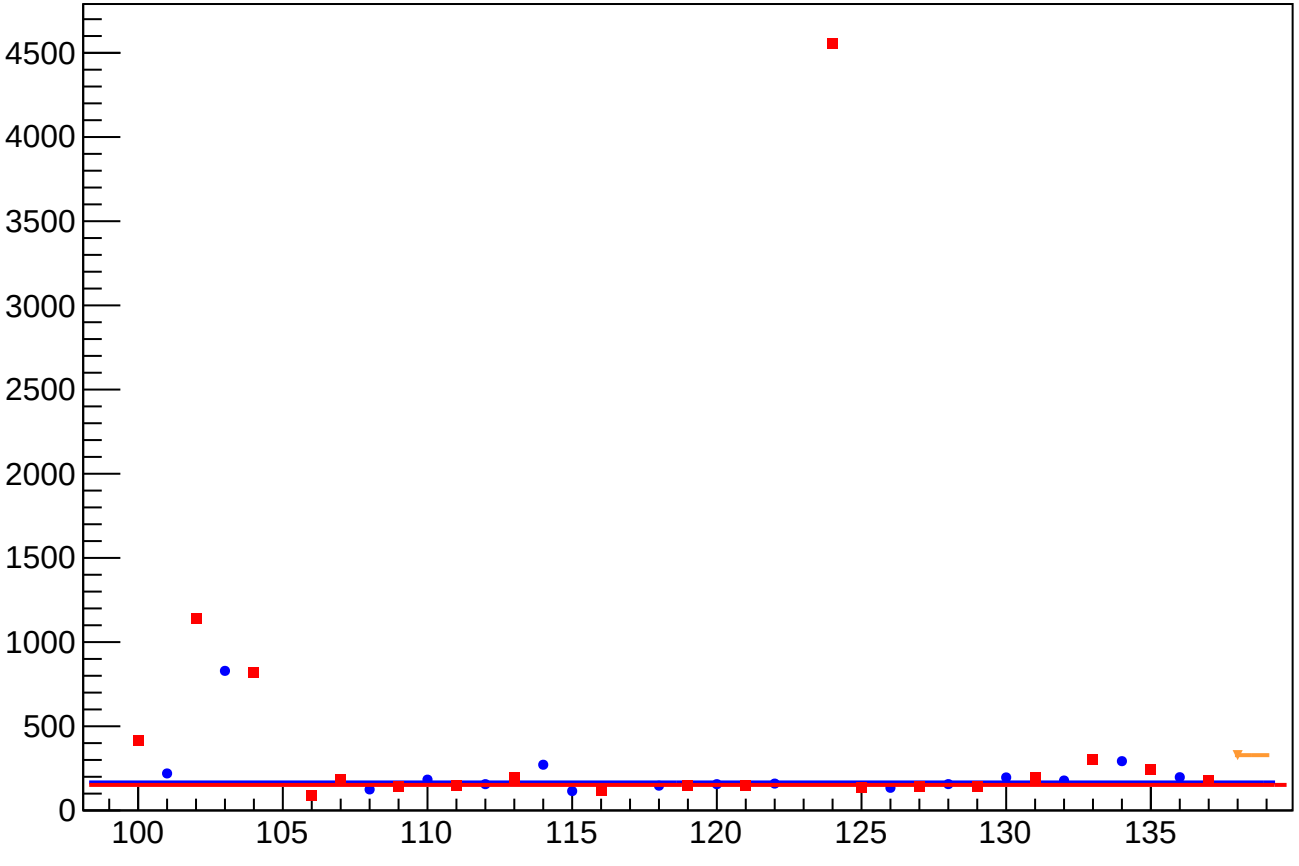
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.051+/-0.067 χ^2/NDF:14.9/15

Out: 0.041+/-0.063 χ^2/NDF:28.9/19

All: -0.002+/-0.046 χ^2/NDF: 44.8/35

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: 328.483+/-0.270 χ^2/NDF:0.0/0

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 328.483+/-0.270 χ^2/NDF: 0.0/0

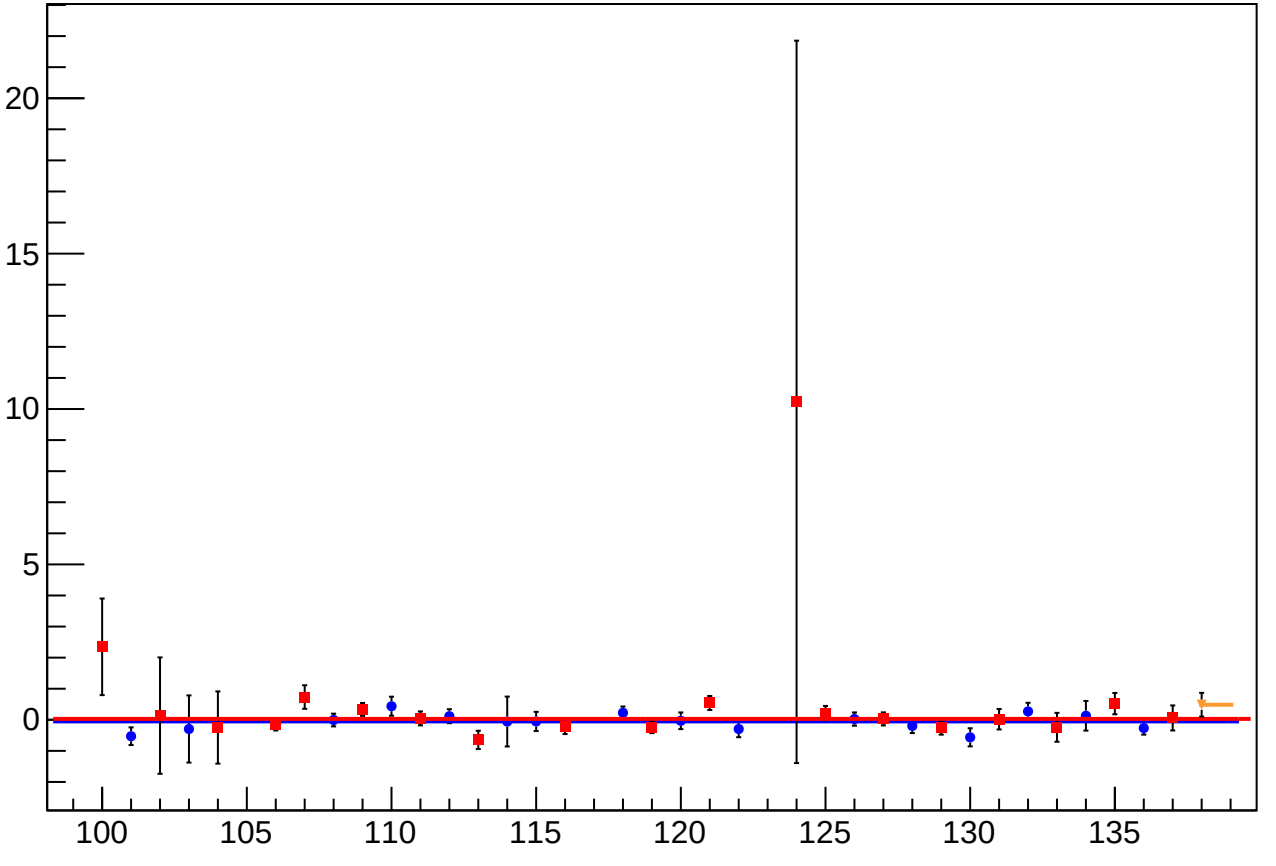
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 166.359+/-0.047 χ^2/NDF:1282724.2/15

Out: 156.610+/-0.045 χ^2/NDF:2731214.1/19

All: 161.216+/-0.032 χ^2/NDF: 4036463.8/35

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: 0.485+/-0.382 χ^2/NDF:0.0/0

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.485+/-0.382 χ^2/NDF: 0.0/0

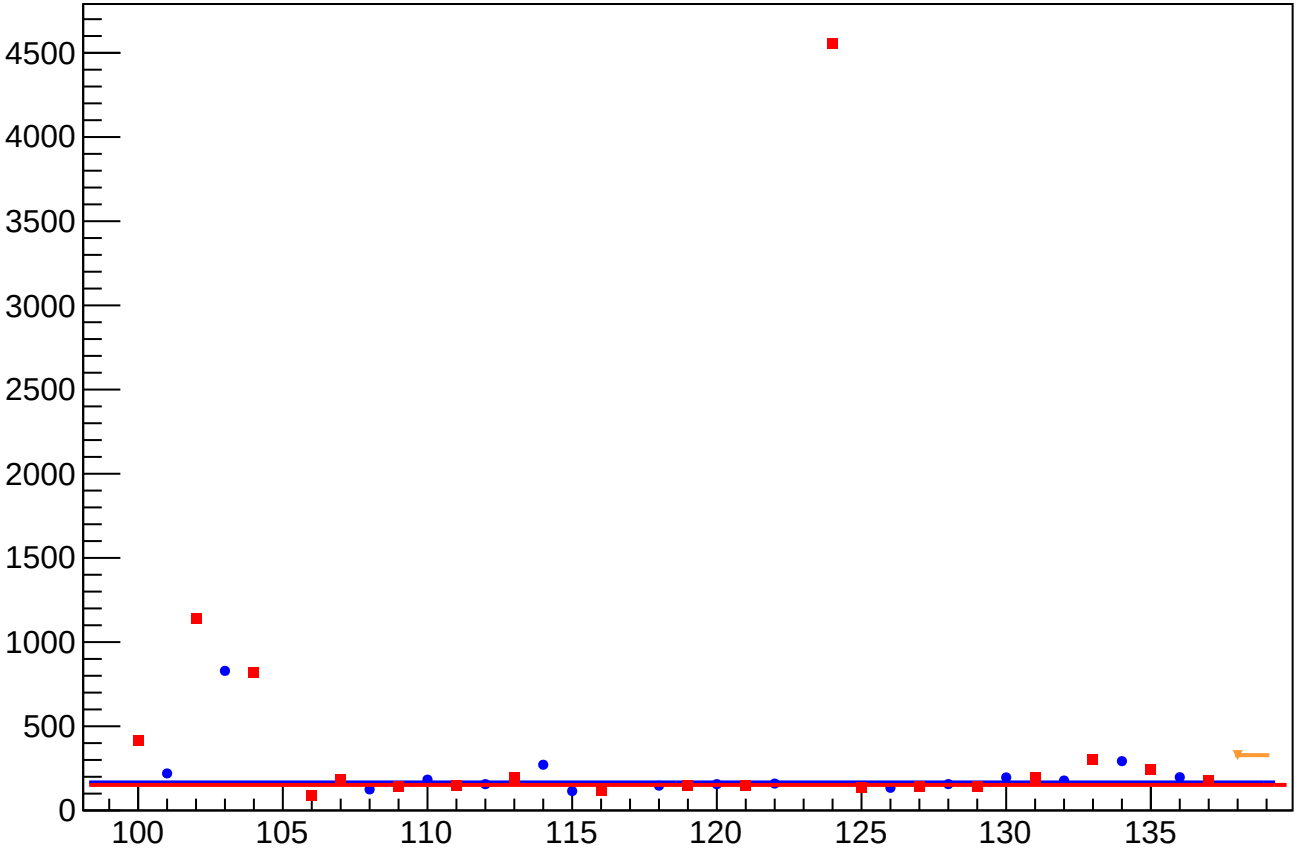
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.051+/-0.067 χ^2/NDF:14.9/15

Out: 0.041+/-0.063 χ^2/NDF:28.9/19

All: -0.002+/-0.046 χ^2/NDF: 44.8/35

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: 328.483+/-0.270 χ^2/NDF:0.0/0

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 328.483+/-0.270 χ^2/NDF: 0.0/0

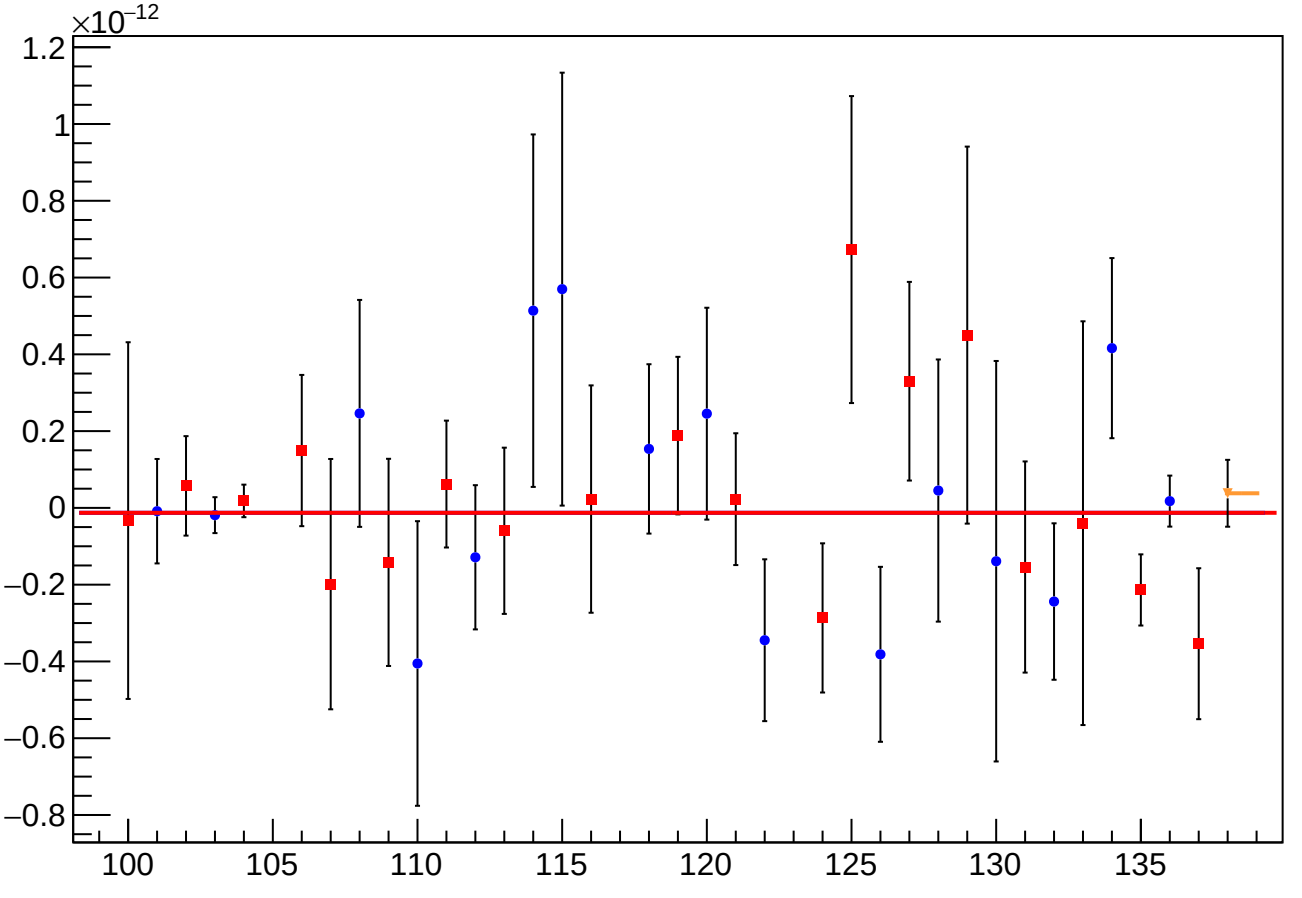
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 166.359+/-0.047 χ^2/NDF:1282724.2/15

Out: 156.610+/-0.045 χ^2/NDF:2731214.1/19

All: 161.216+/-0.032 χ^2/NDF: 4036463.8/35

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:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

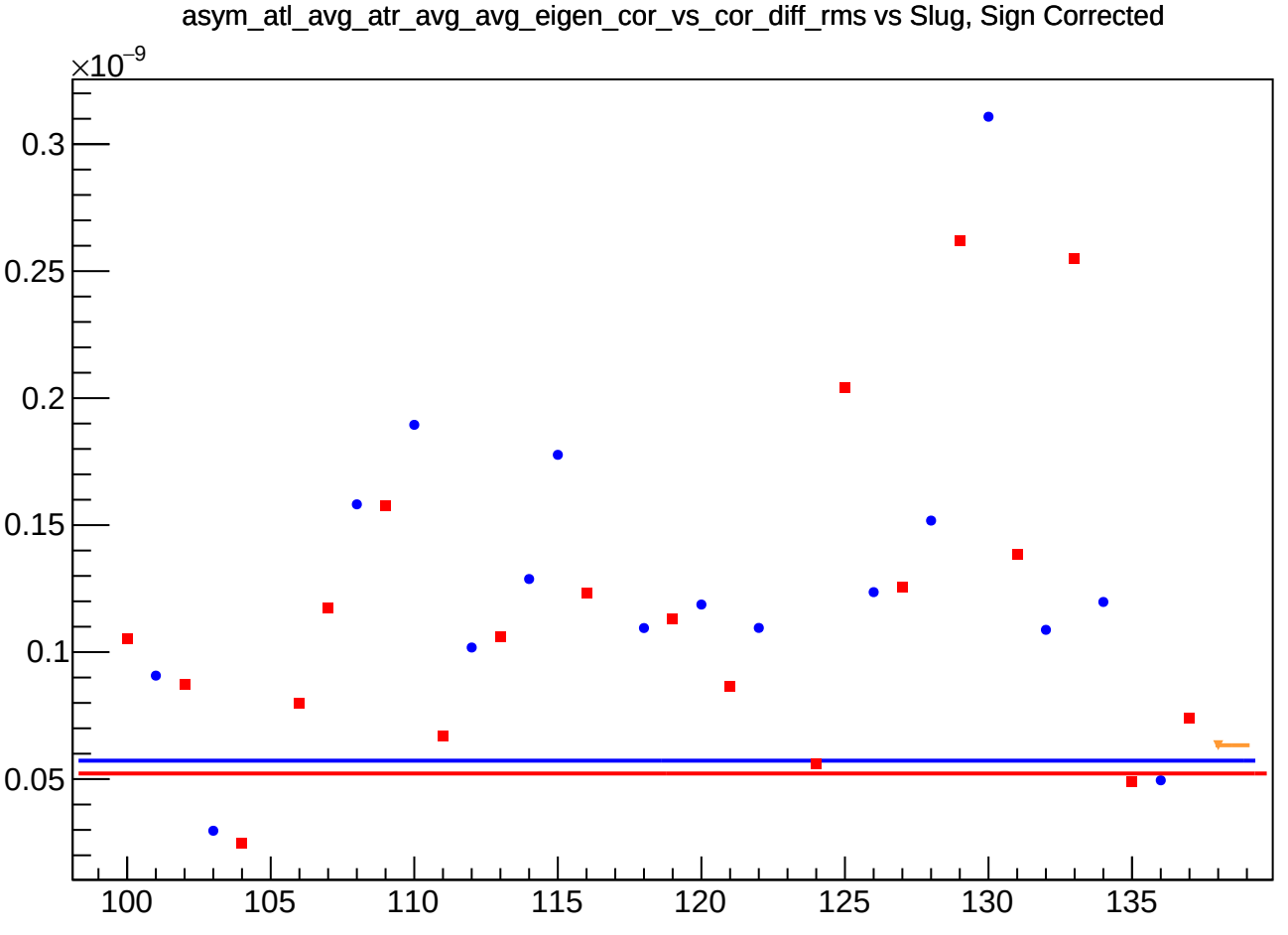
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:16.1/15

Out: -0.000+/-0.000 χ^2/NDF:19.2/19

All: -0.000+/-0.000 χ^2/NDF: 35.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

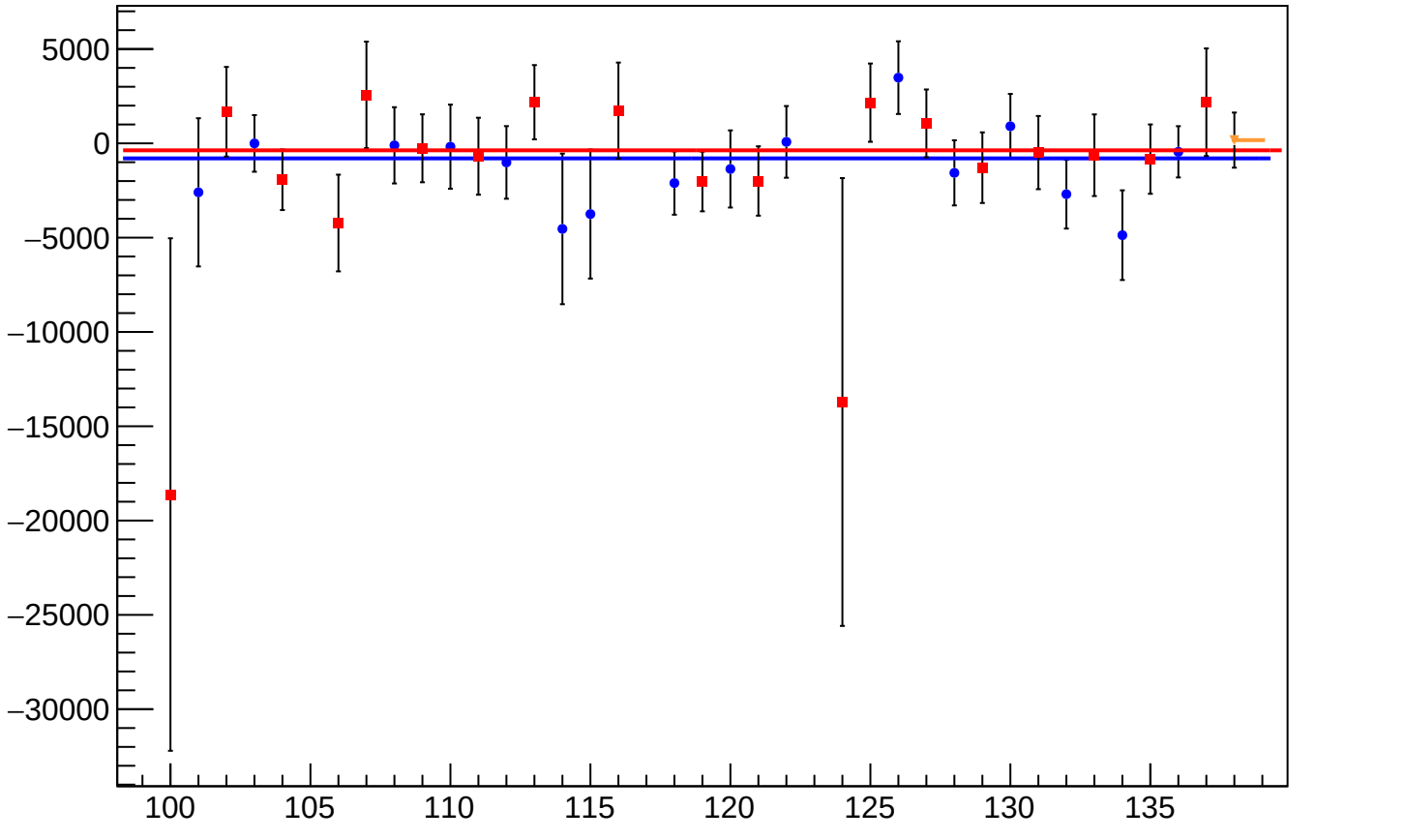
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:2983121.7/15

Out: 0.000+/-0.000 χ^2/NDF:3316640.8/19

All: 0.000+/-0.000 χ^2/NDF: 6314207.8/35



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 171.145+/-1460.797 χ^2/NDF:0.0/0

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

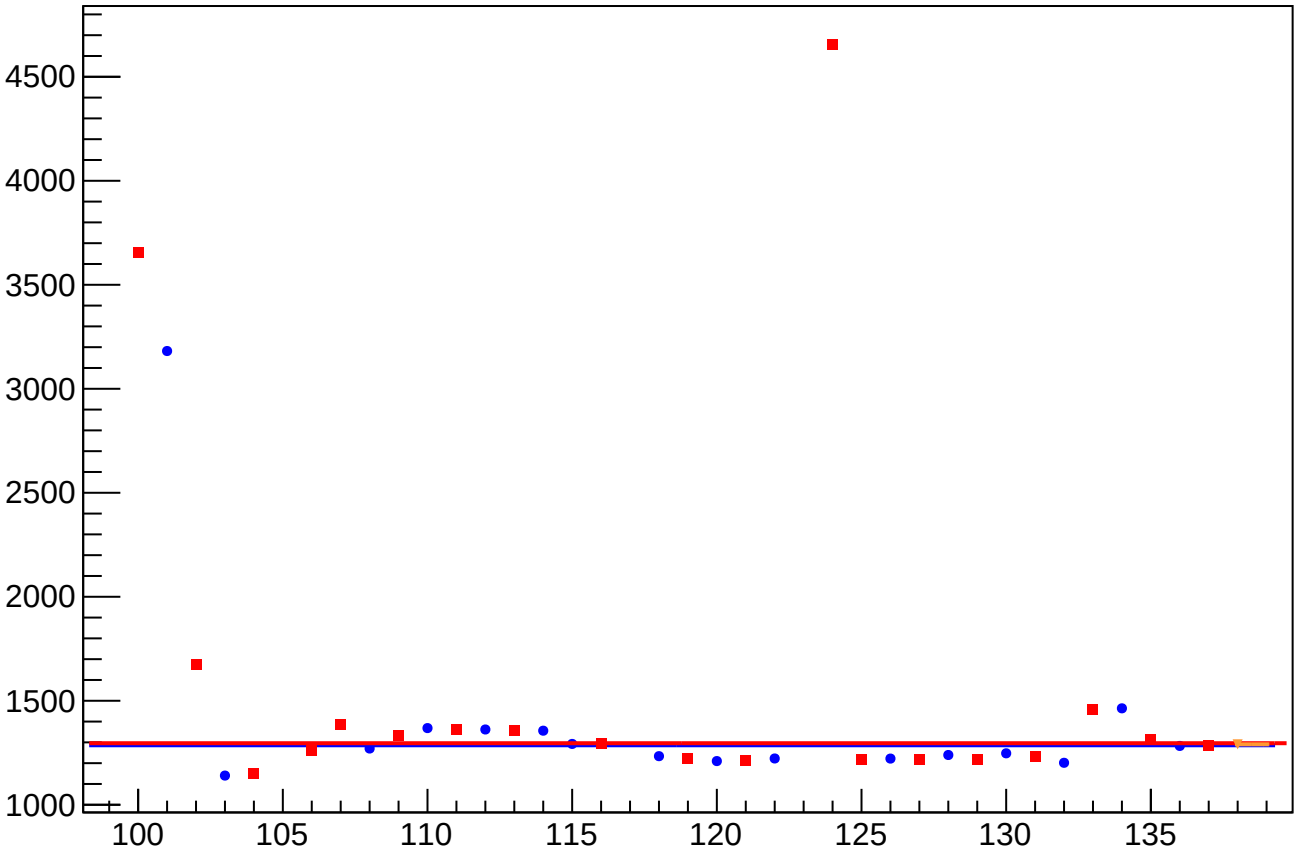
Left: 171.145+/-1460.797 χ^2/NDF: 0.0/0

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -797.285+/-487.453 χ^2/NDF:13.4/15

Out: -316.116+/-460.999 χ^2/NDF:15.7/19

All: -543.290+/-334.938 χ^2/NDF: 29.7/35



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1290.464+/-1.033 χ^2/NDF:0.0/0

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1290.464+/-1.033 χ^2/NDF: 0.0/0

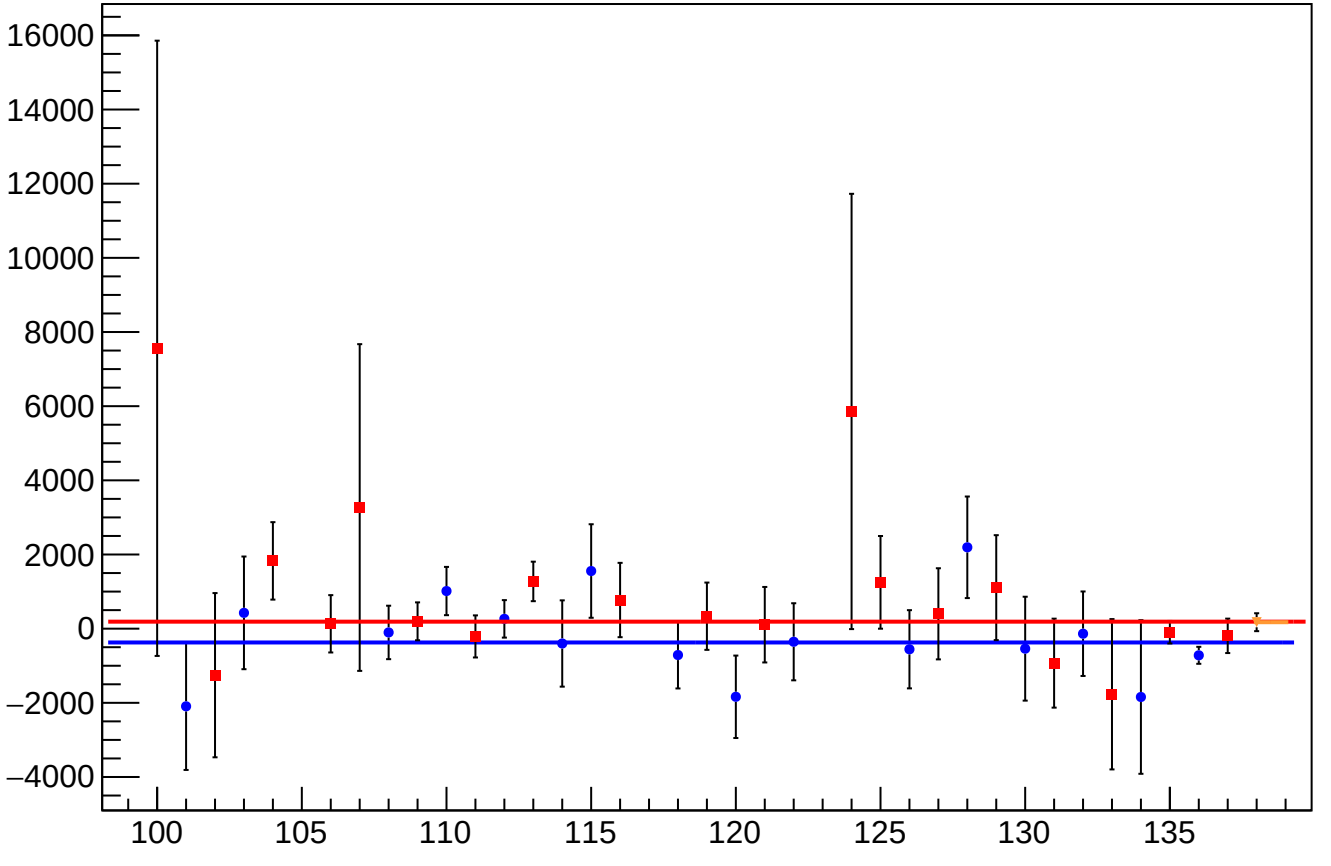
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1286.097+/-0.345 χ^2/NDF:518126.9/15

Out: 1295.397+/-0.326 χ^2/NDF:328095.3/19

All: 1291.006+/-0.237 χ^2/NDF: 846606.5/35

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: 174.330+/-241.502 χ^2/NDF:0.0/0

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 174.330+/-241.502 χ^2/NDF: 0.0/0

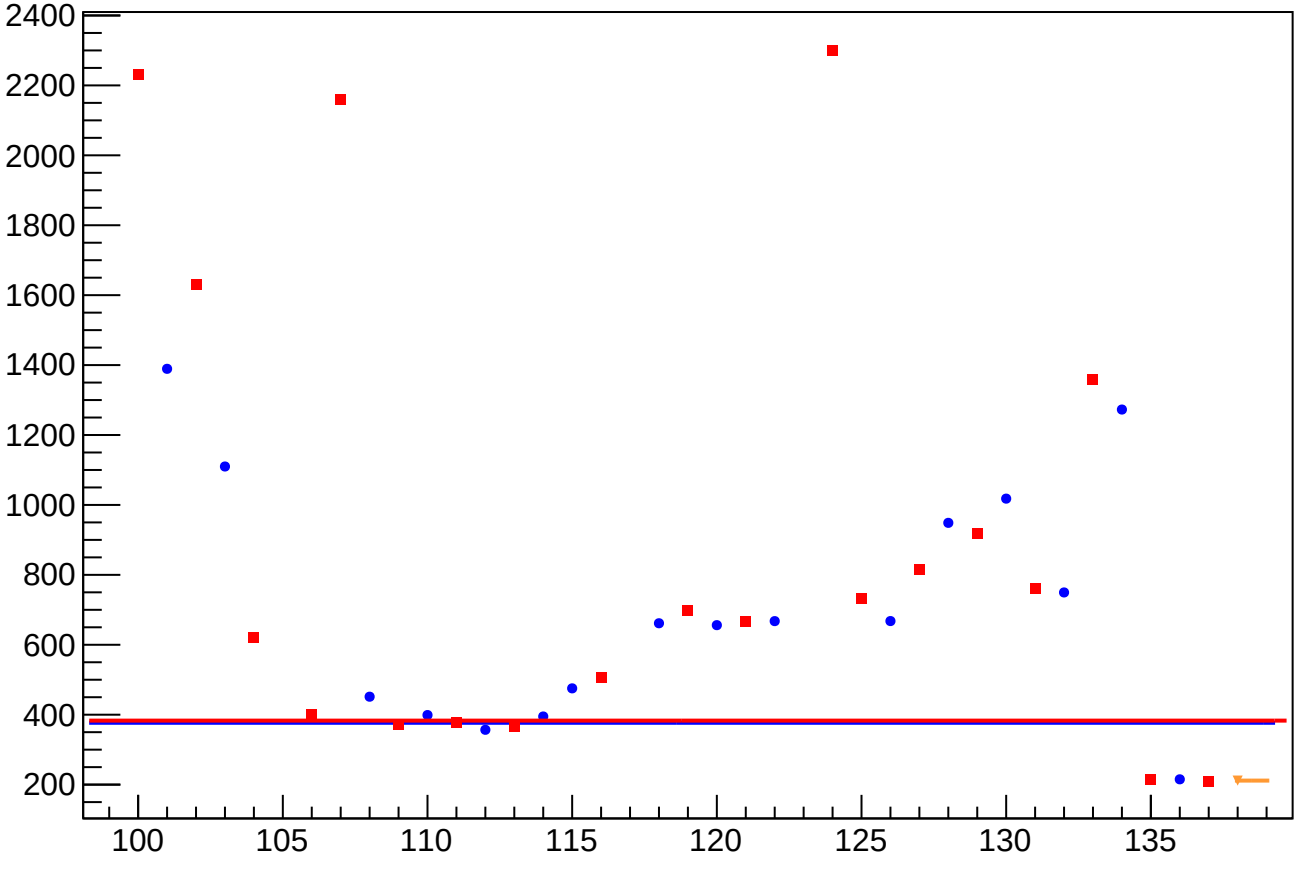
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -372.325+/-168.204 χ^2/NDF:18.2/15

Out: 184.119+/-138.780 χ^2/NDF:14.6/19

All: -41.255+/-107.047 χ^2/NDF: 39.3/35

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: 211.514+/-0.171 χ^2/NDF:0.0/0

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

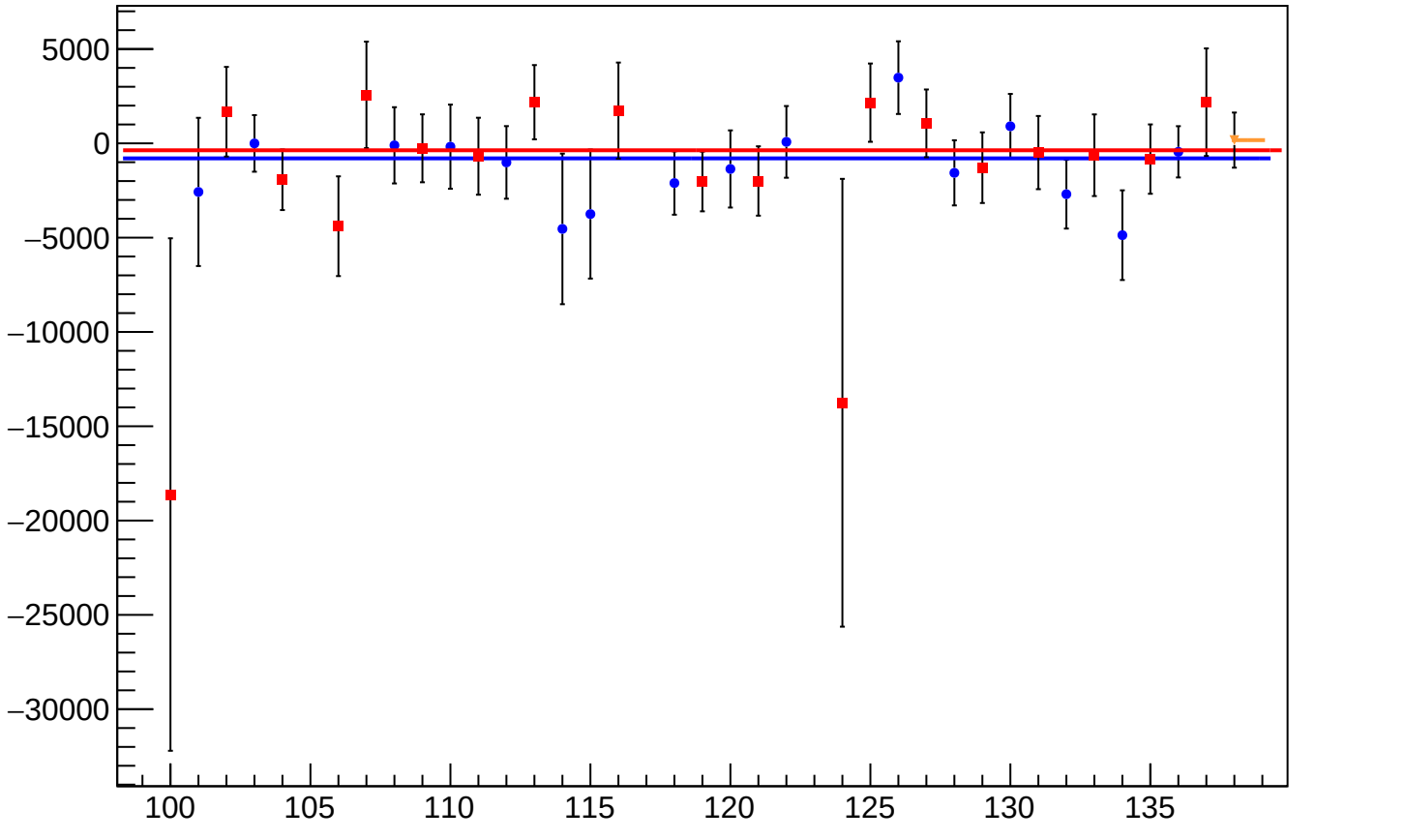
Left: 211.514+/-0.171 χ^2/NDF: 0.0/0

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 376.893+/-0.119 χ^2/NDF:4190194.7/15

Out: 326.420+/-0.098 χ^2/NDF:4730119.9/19

All: 346.863+/-0.076 χ^2/NDF: 9027457.3/35



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 171.178+/-1460.797 χ^2/NDF:0.0/0

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

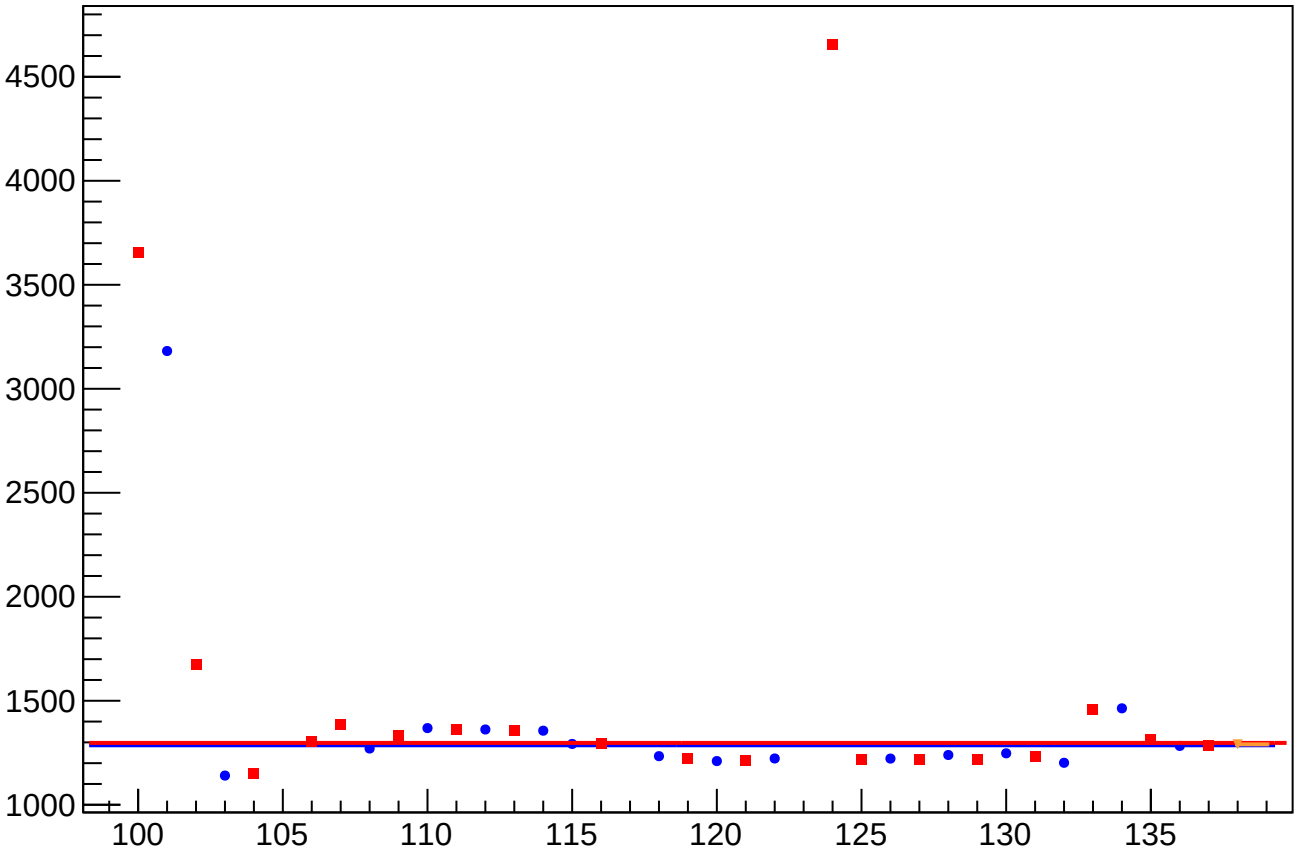
Left: 171.178+/-1460.797 χ^2/NDF: 0.0/0

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -796.883+/-487.454 χ^2/NDF:13.4/15

Out: -313.727+/-461.446 χ^2/NDF:15.8/19

All: -542.073+/-335.109 χ^2/NDF: 29.7/35



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.464+/-1.033 χ^2/NDF:0.0/0

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1290.464+/-1.033 χ^2/NDF: 0.0/0

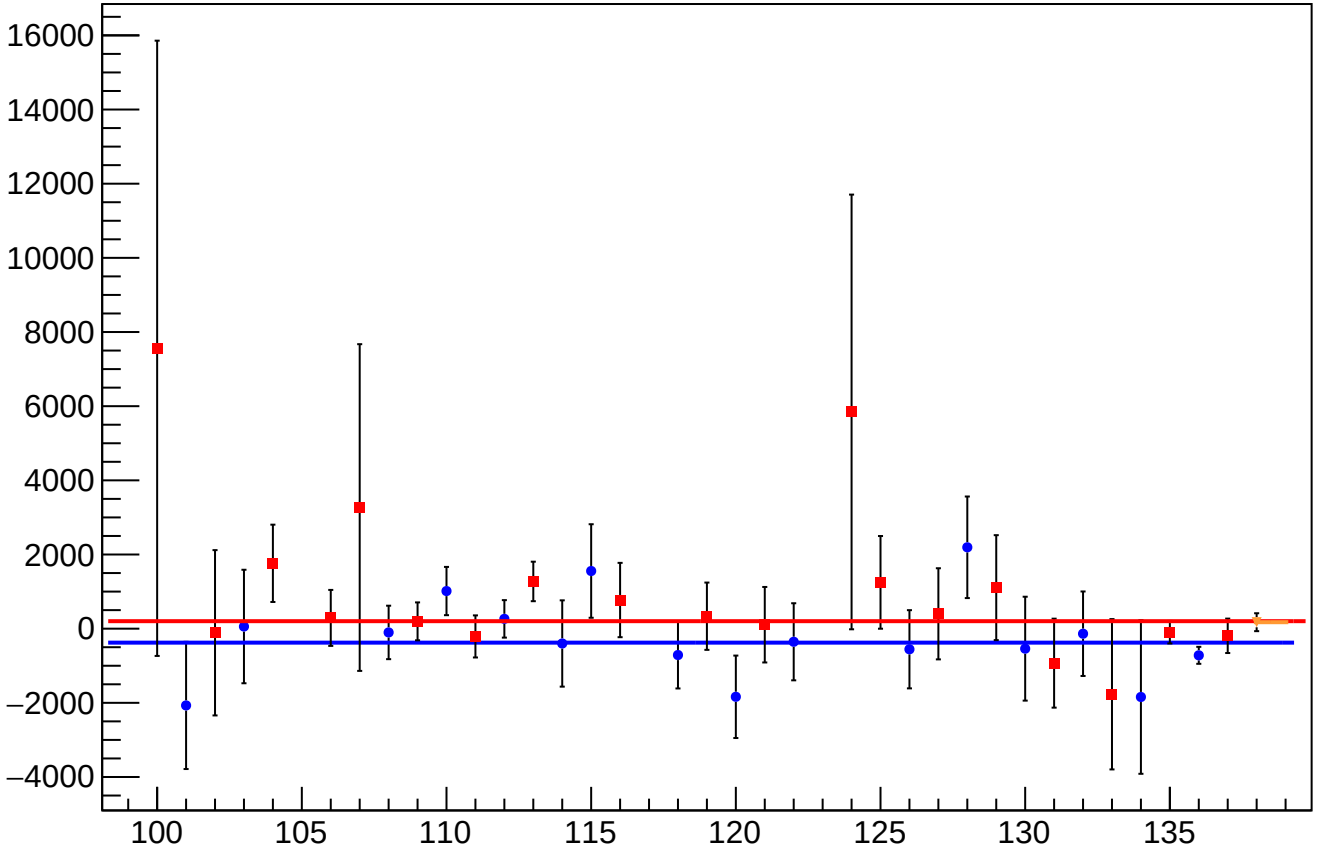
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1286.097+/-0.345 χ^2/NDF:518128.4/15

Out: 1296.702+/-0.326 χ^2/NDF:327782.2/19

All: 1291.690+/-0.237 χ^2/NDF: 846409.9/35

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: 174.455+/-241.508 χ^2/NDF:0.0/0

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 174.455+/-241.508 χ^2/NDF: 0.0/0

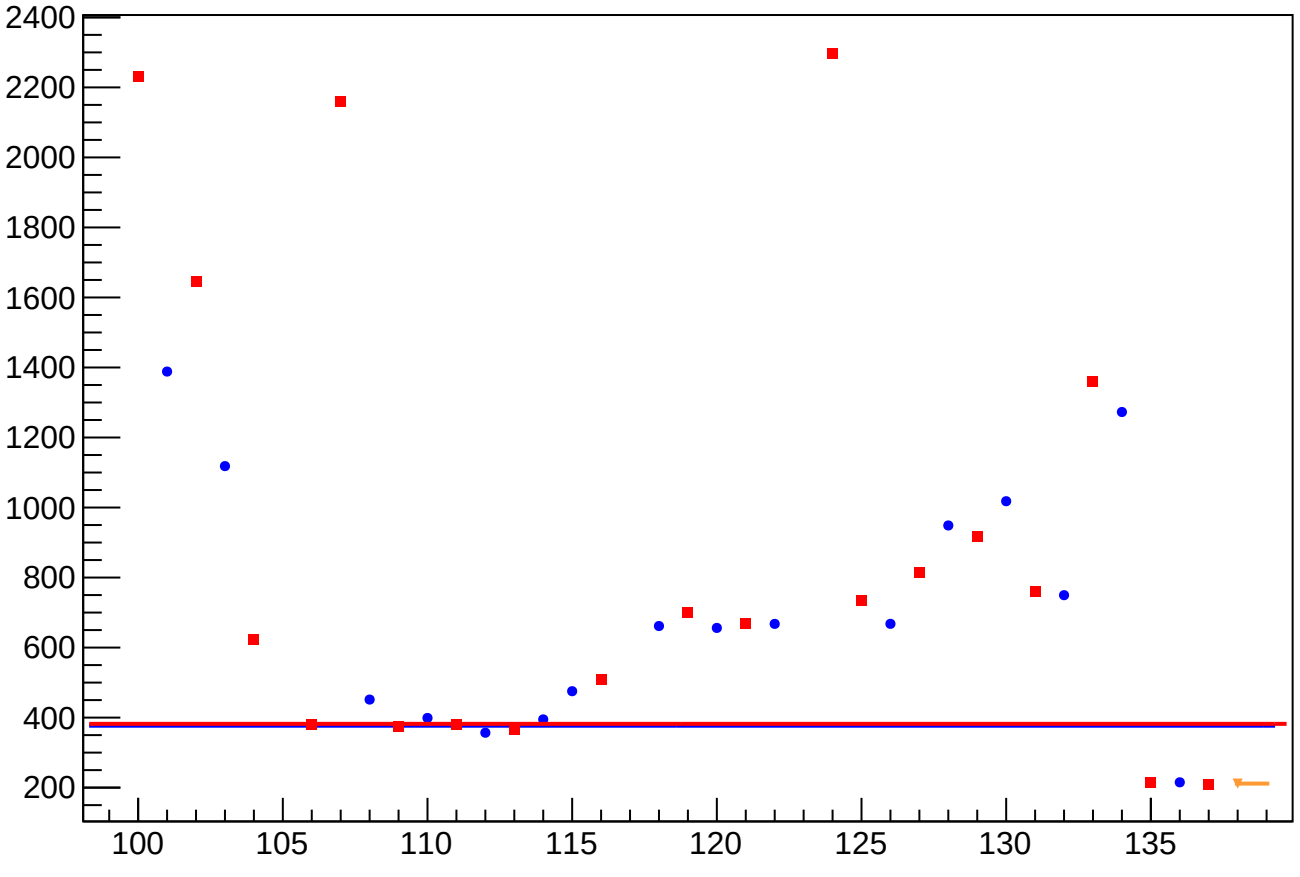
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -376.771+/-168.223 χ^2/NDF:17.9/15

Out: 193.015+/-138.672 χ^2/NDF:14.1/19

All: -37.518+/-107.003 χ^2/NDF: 38.8/35

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: 211.521+/-0.171 χ^2/NDF:0.0/0

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

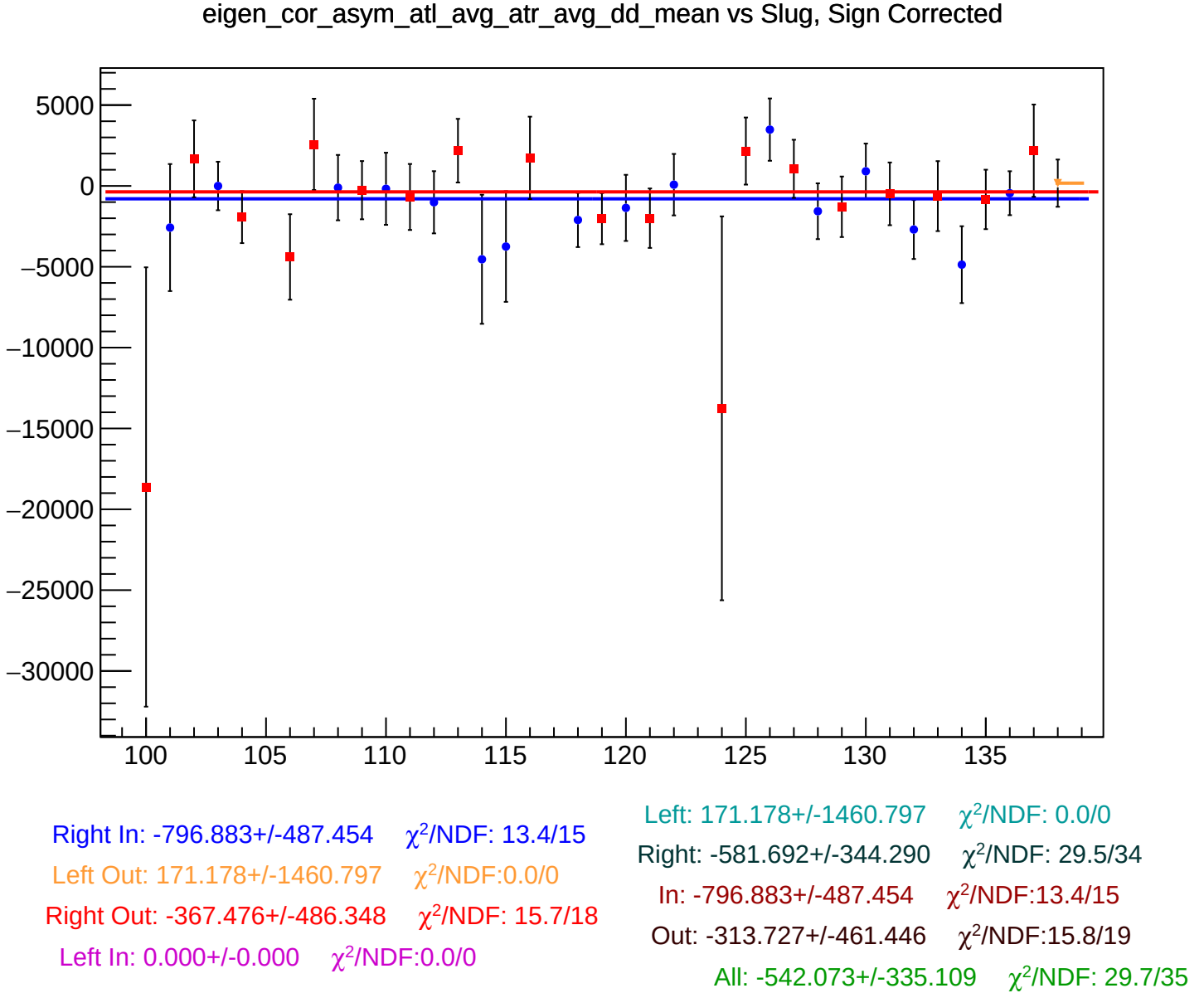
Left: 211.521+/-0.171 χ^2/NDF: 0.0/0

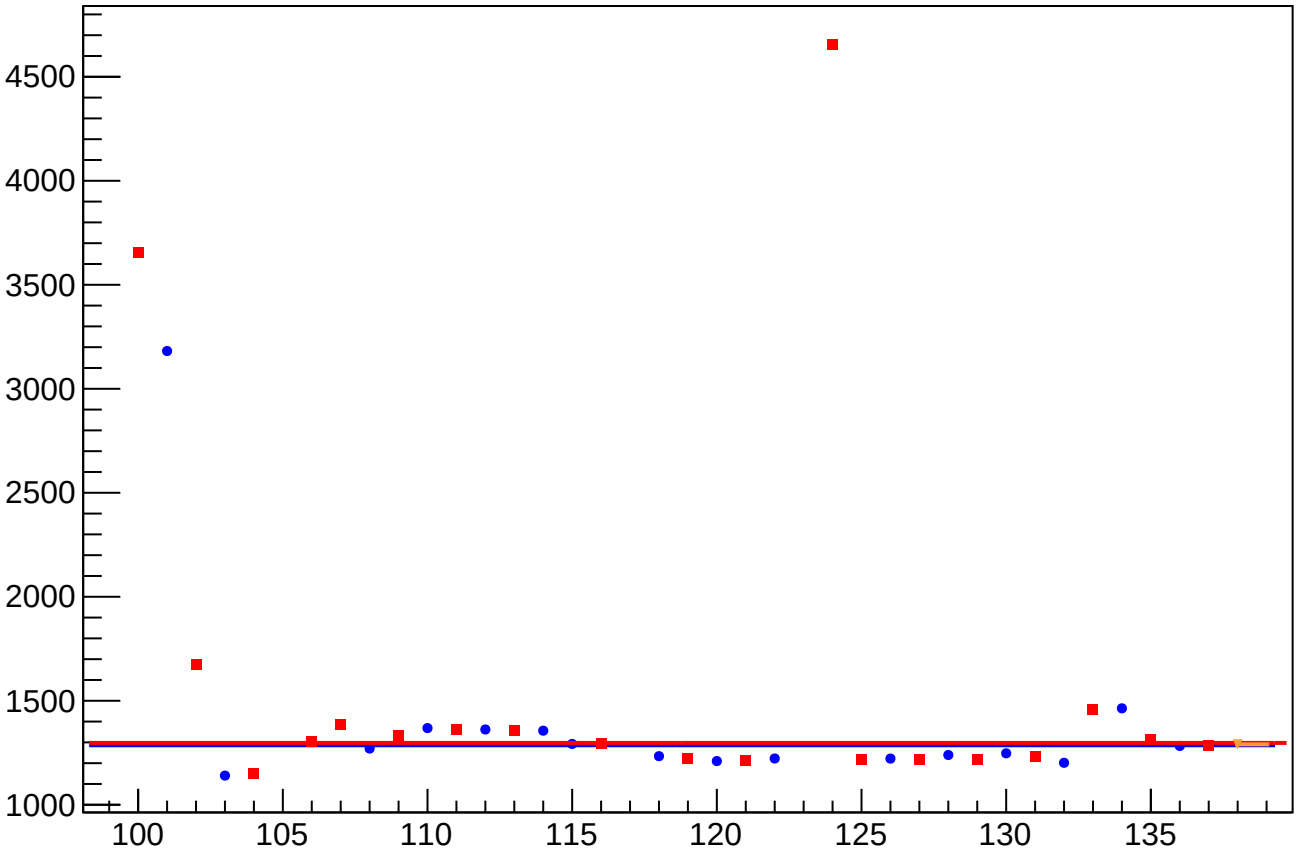
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 376.884+/-0.119 χ^2/NDF:4193328.0/15

Out: 325.884+/-0.098 χ^2/NDF:4728674.4/19

All: 346.518+/-0.076 χ^2/NDF: 9031450.0/35


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
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 171.178+/-1460.797 χ²/NDF:0.0/0
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 171.178+/-1460.797 χ²/NDF: 0.0/0
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -796.883+/-487.454 χ²/NDF:13.4/15
Out: -313.727+/-461.446 χ²/NDF:15.8/19
All: -542.073+/-335.109 χ²/NDF: 29.7/35



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.464+/-1.033 χ^2/NDF:0.0/0

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1290.464+/-1.033 χ^2/NDF: 0.0/0

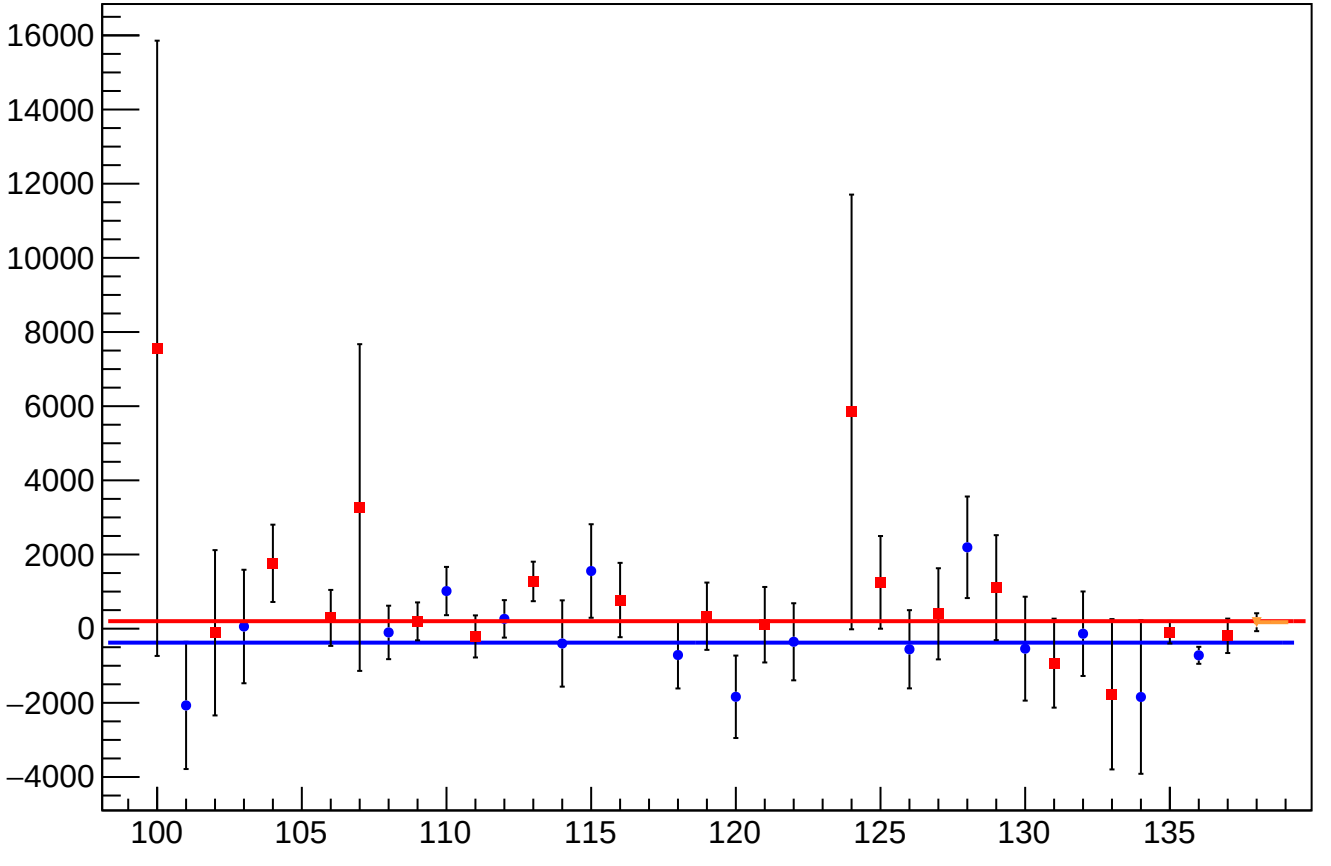
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1286.097+/-0.345 χ^2/NDF:518128.4/15

Out: 1296.702+/-0.326 χ^2/NDF:327782.2/19

All: 1291.690+/-0.237 χ^2/NDF: 846409.9/35

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: 174.455+/-241.508 χ^2/NDF:0.0/0

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 174.455+/-241.508 χ^2/NDF: 0.0/0

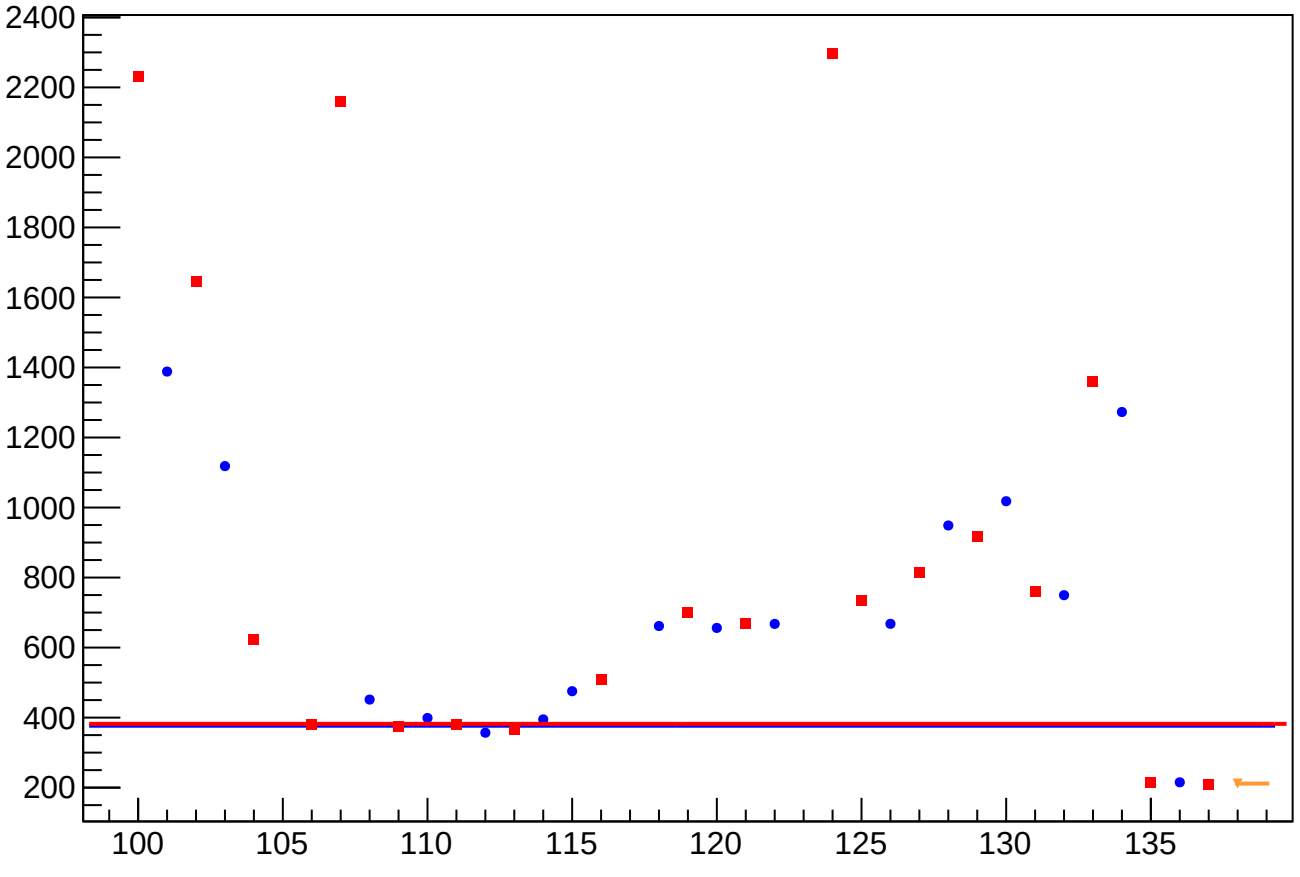
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -376.771+/-168.223 χ^2/NDF:17.9/15

Out: 193.015+/-138.672 χ^2/NDF:14.1/19

All: -37.518+/-107.003 χ^2/NDF: 38.8/35

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: 211.521+/-0.171 χ^2/NDF:0.0/0

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

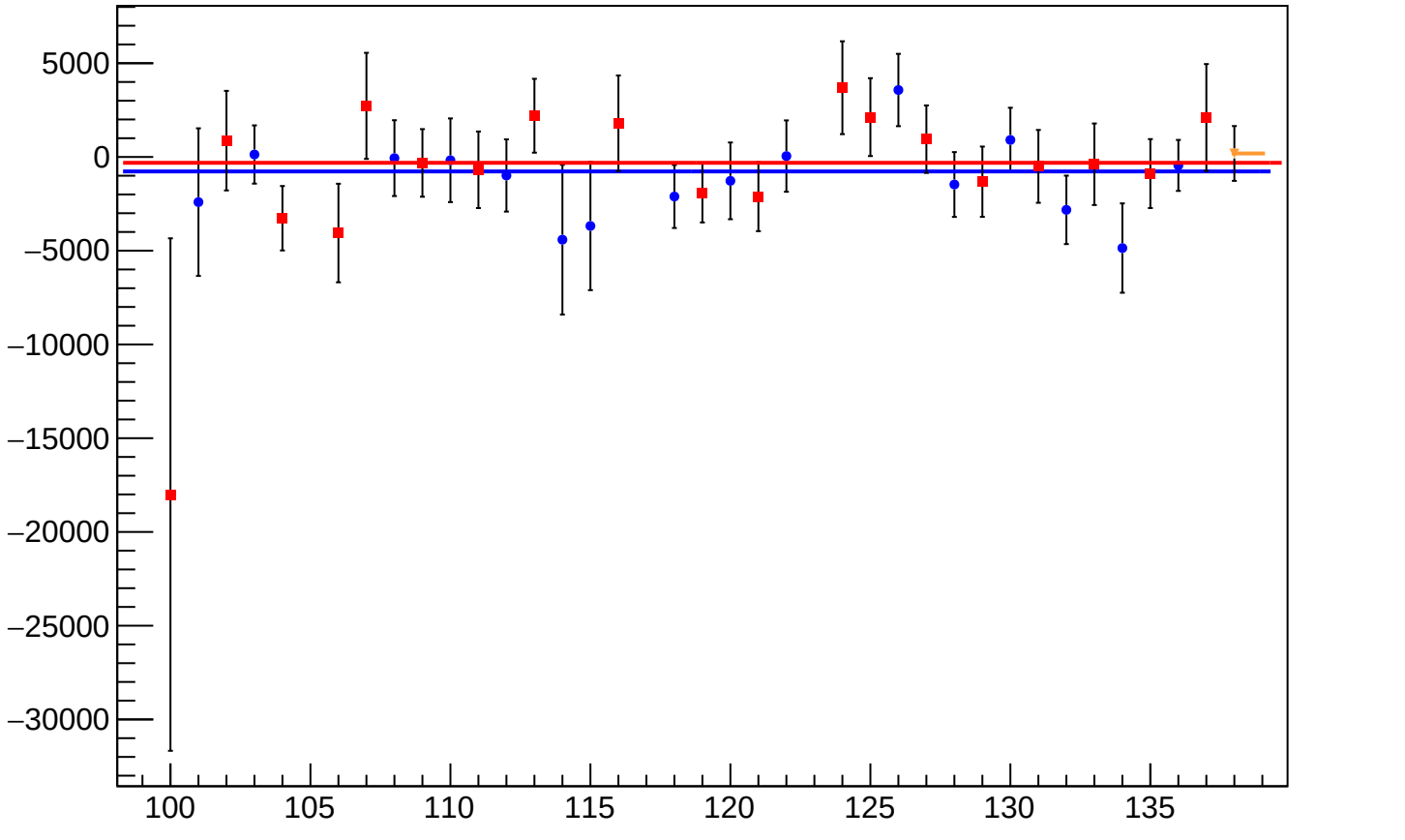
Left: 211.521+/-0.171 χ^2/NDF: 0.0/0

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 376.884+/-0.119 χ^2/NDF:4193328.0/15

Out: 325.884+/-0.098 χ^2/NDF:4728674.4/19

All: 346.518+/-0.076 χ^2/NDF: 9031450.0/35



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 187.491+/-1461.257 χ^2/NDF:0.0/0

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

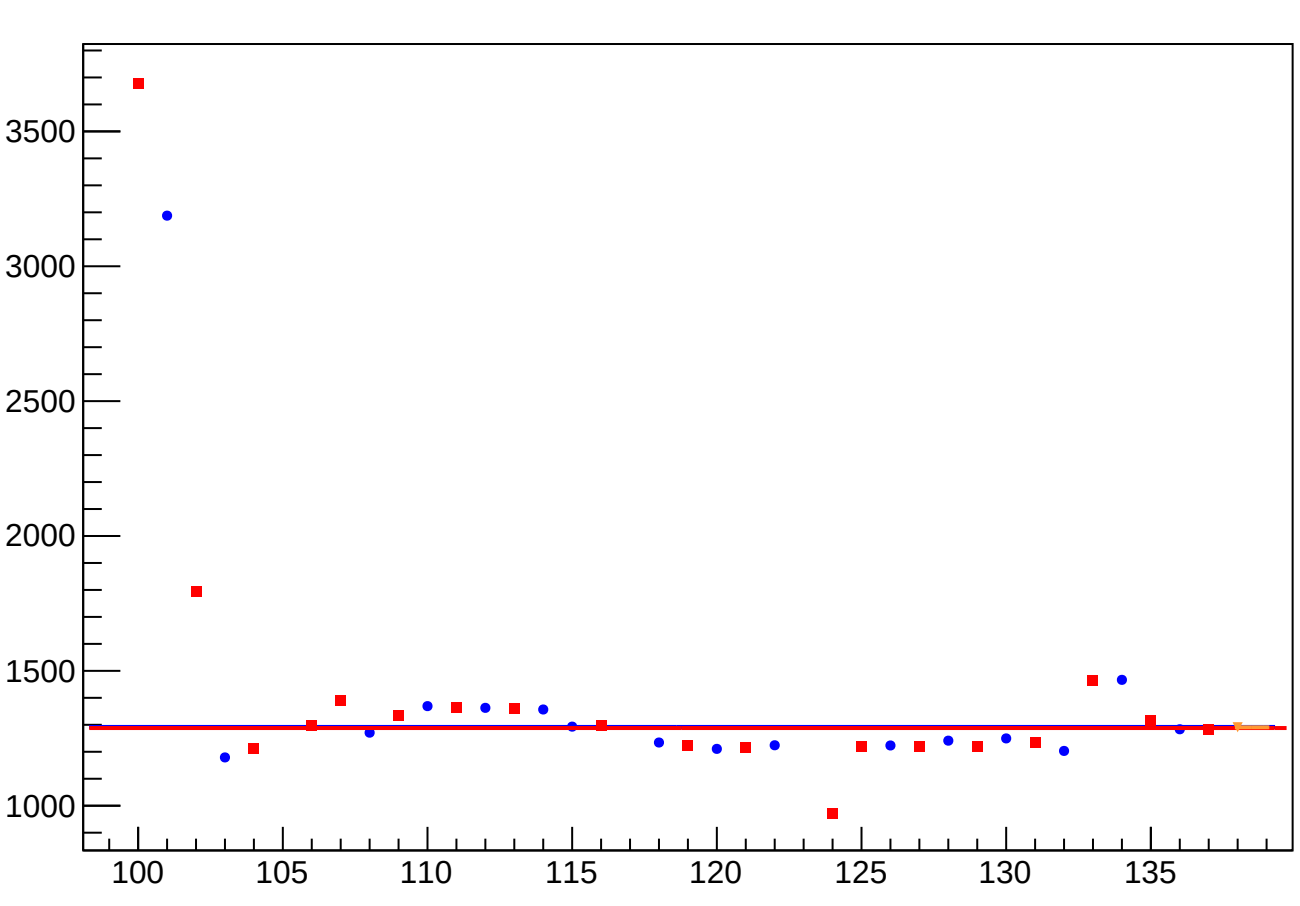
Left: 187.491+/-1461.257 χ^2/NDF: 0.0/0

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -771.499+/-489.602 χ^2/NDF:13.6/15

Out: -262.344+/-458.291 χ^2/NDF:18.0/19

All: -500.121+/-334.583 χ^2/NDF: 32.2/35



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1290.870+/-1.033 χ^2/NDF:0.0/0

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

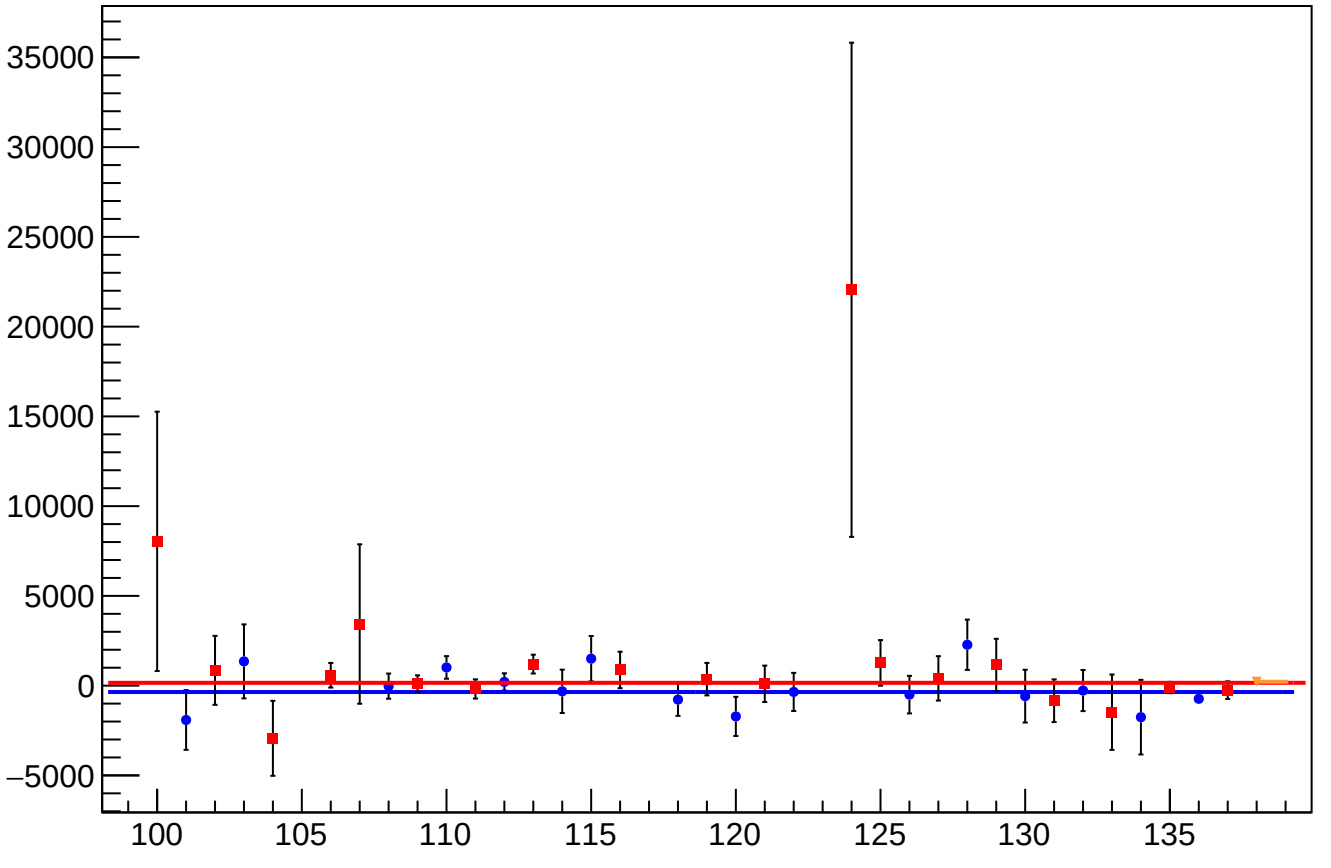
Left: 1290.870+/-1.033 χ^2/NDF: 0.0/0

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1292.038+/-0.346 χ^2/NDF:509406.3/15

Out: 1288.272+/-0.324 χ^2/NDF:209215.8/19

All: 1290.031+/-0.237 χ^2/NDF: 718685.2/35



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 218.216+/-243.635 χ^2/NDF:0.0/0

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

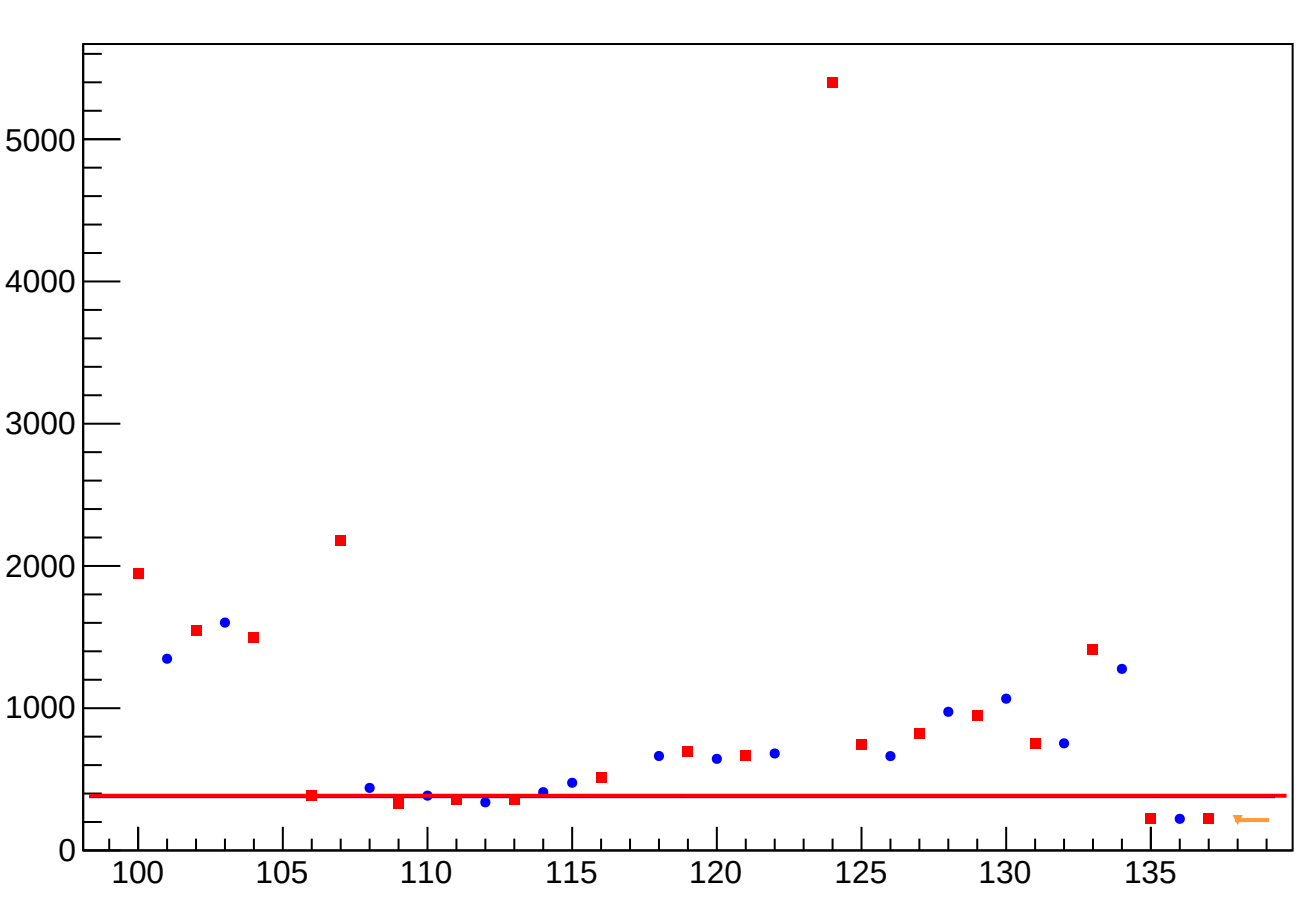
Left: 218.216+/-243.635 χ^2/NDF: 0.0/0

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -355.226+/-169.971 χ^2/NDF:18.4/15

Out: 177.614+/-139.231 χ^2/NDF:15.9/19

All: -36.351+/-107.708 χ^2/NDF: 40.2/35



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 213.624+/-0.172 χ^2/NDF:0.0/0

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

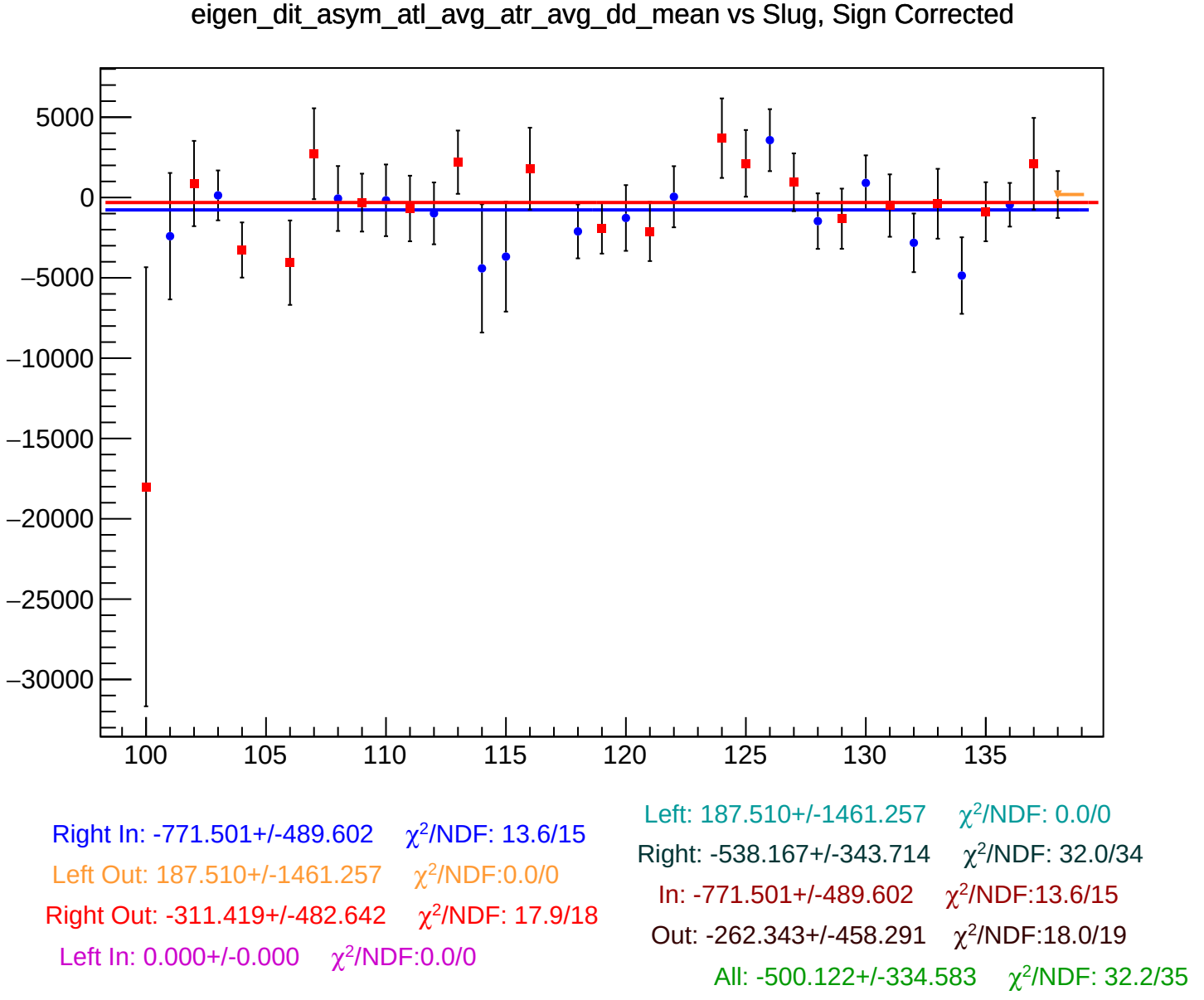
Left: 213.624+/-0.172 χ^2/NDF: 0.0/0

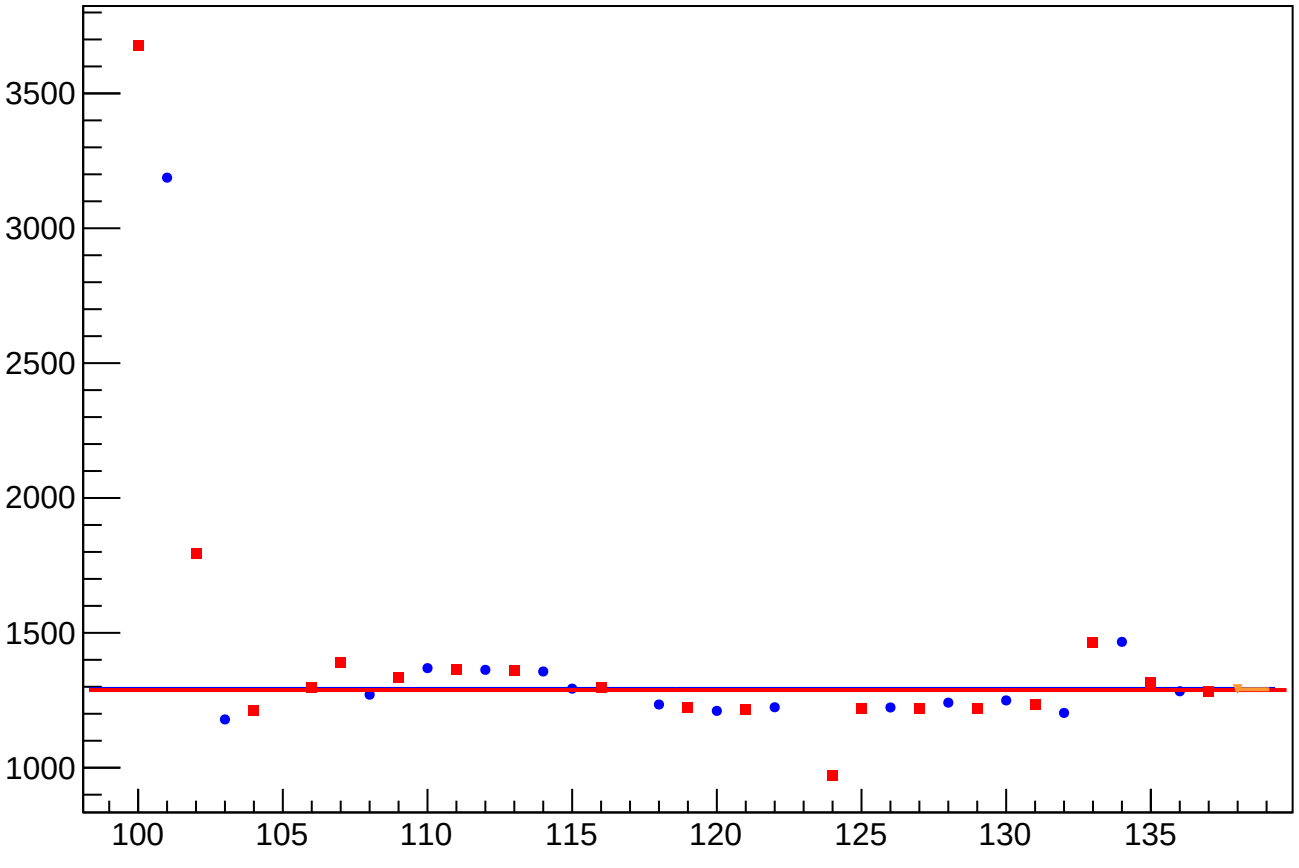
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 381.349+/-0.120 χ^2/NDF:4317922.6/15

Out: 328.797+/-0.098 χ^2/NDF:5223895.9/19

All: 349.900+/-0.076 χ^2/NDF: 9656234.7/35


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
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 187.510+/-1461.257 χ²/NDF:0.0/0
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 187.510+/-1461.257 χ²/NDF: 0.0/0
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -771.501+/-489.602 χ²/NDF:13.6/15
Out: -262.343+/-458.291 χ²/NDF:18.0/19
All: -500.122+/-334.583 χ²/NDF: 32.2/35



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1290.870+/-1.033 χ^2/NDF:0.0/0

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1290.870+/-1.033 χ^2/NDF: 0.0/0

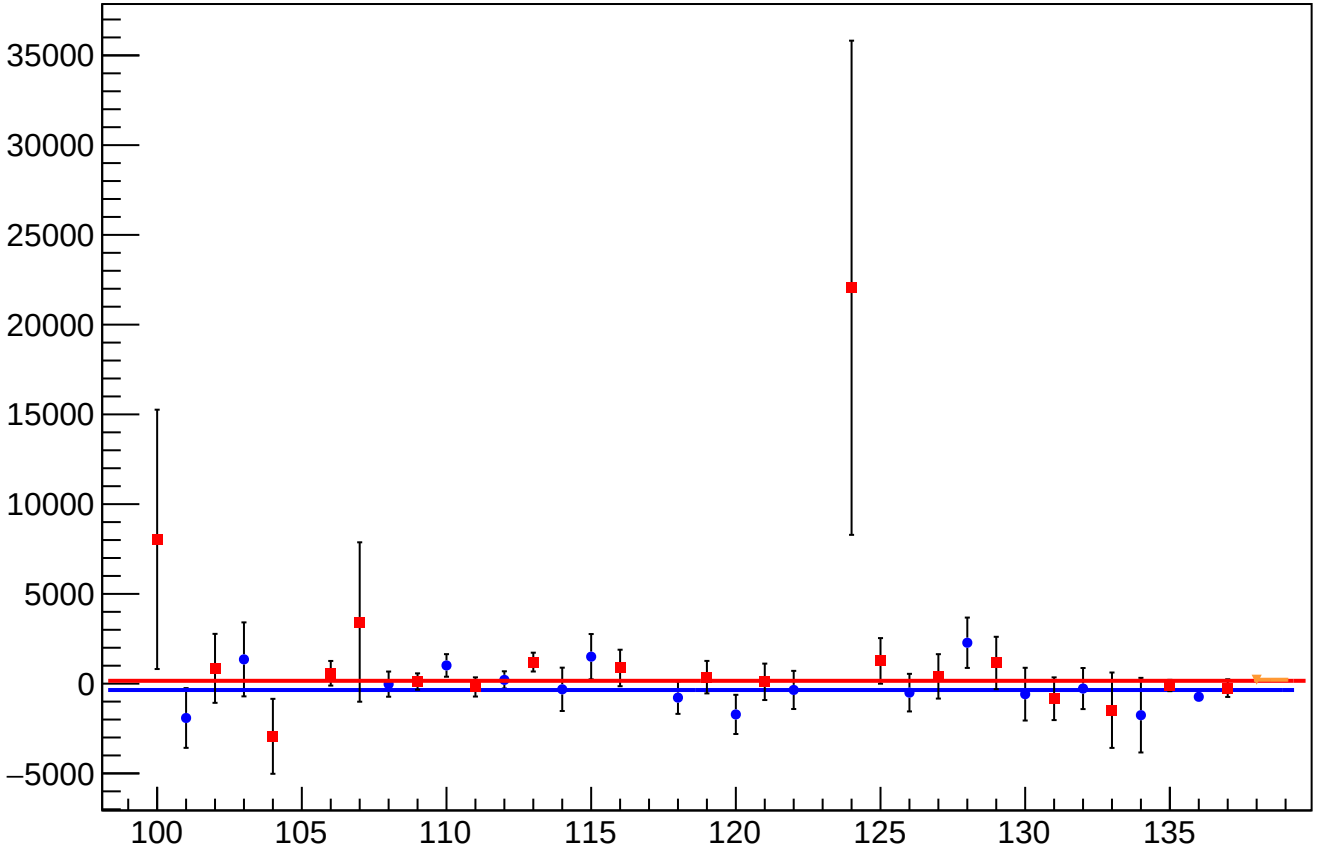
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1292.038+/-0.346 χ^2/NDF:509406.2/15

Out: 1288.272+/-0.324 χ^2/NDF:209216.1/19

All: 1290.031+/-0.237 χ^2/NDF: 718685.4/35

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: 218.233+/-243.650 χ^2/NDF:0.0/0

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 218.233+/-243.650 χ^2/NDF: 0.0/0

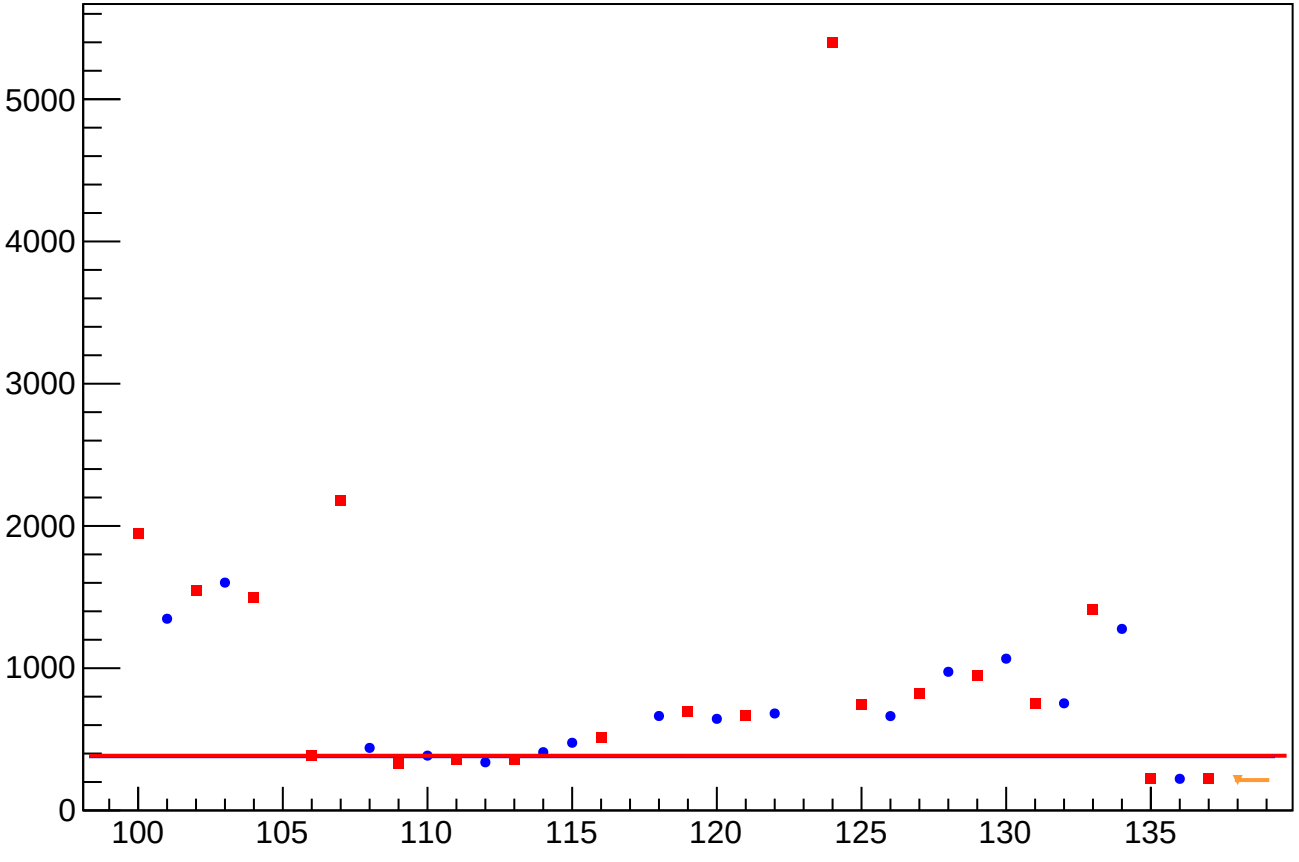
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -355.226+/-169.973 χ^2/NDF:18.4/15

Out: 177.622+/-139.235 χ^2/NDF:15.9/19

All: -36.349+/-107.710 χ^2/NDF: 40.2/35

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: 213.637+/-0.172 χ^2/NDF:0.0/0

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

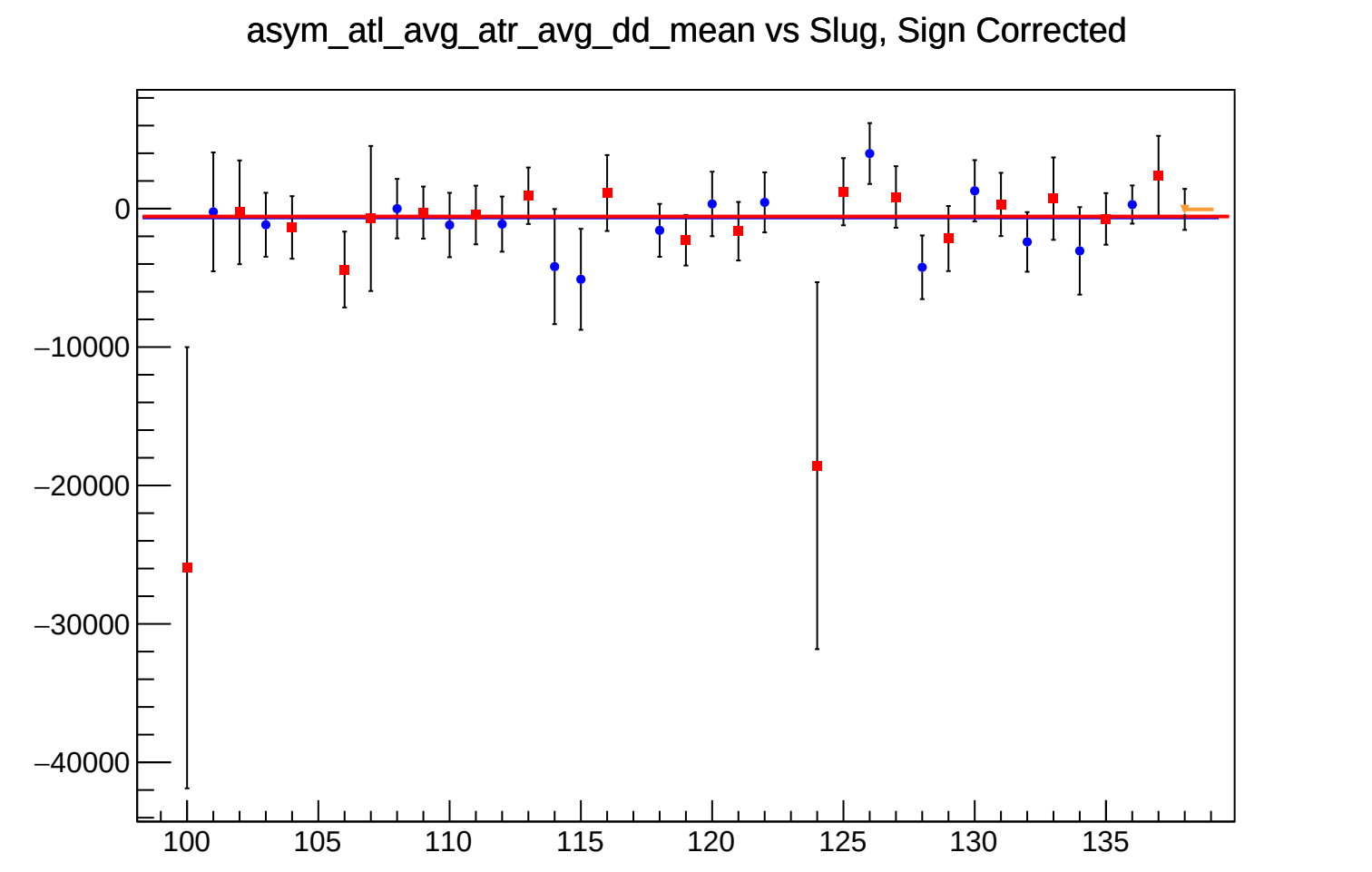
Left: 213.637+/-0.172 χ^2/NDF: 0.0/0

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 381.359+/-0.120 χ^2/NDF:4317737.3/15

Out: 328.810+/-0.098 χ^2/NDF:5223653.4/19

All: 349.912+/-0.076 χ^2/NDF: 9655788.2/35



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -53.980+/-1481.993 χ^2/NDF:0.0/0

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

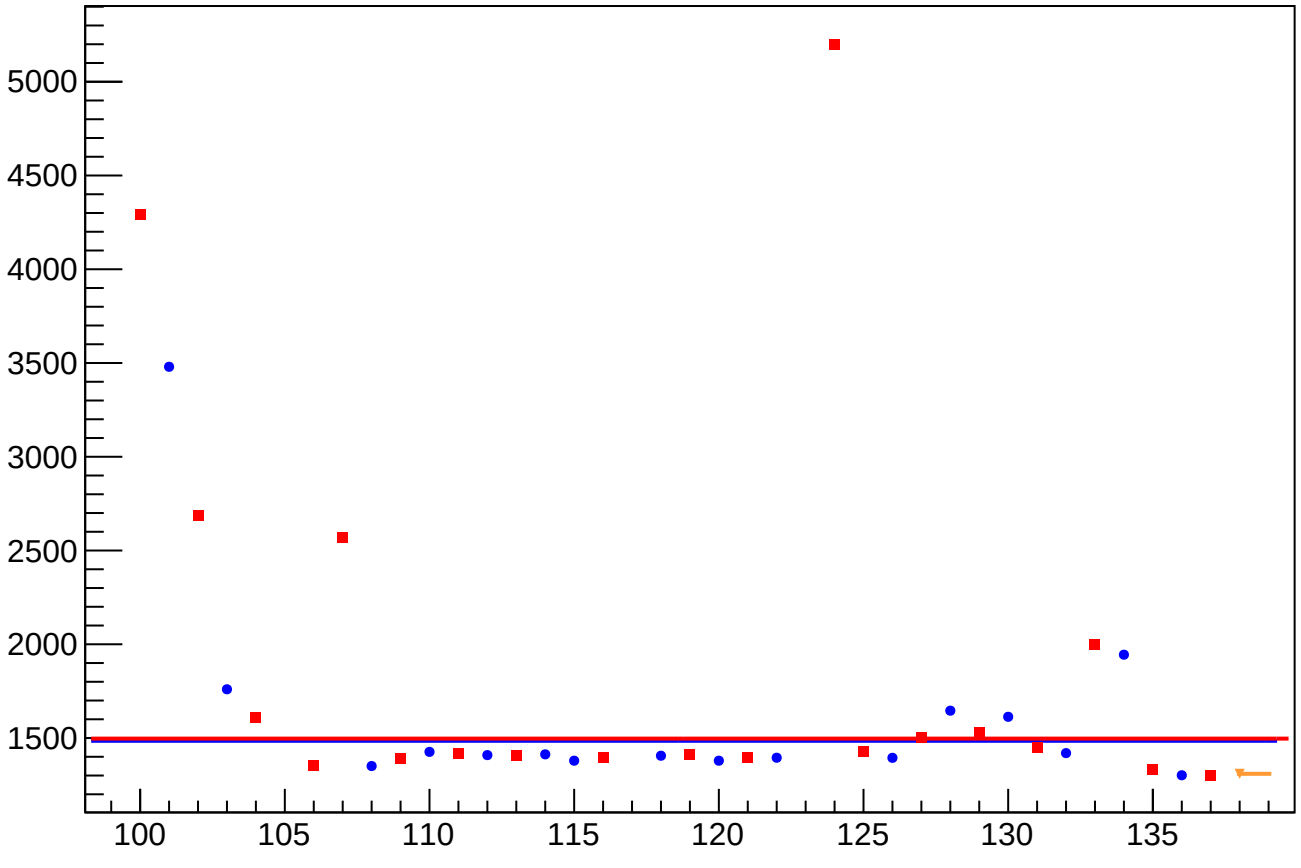
Left: -53.980+/-1481.993 χ^2/NDF: 0.0/0

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -640.824+/-564.366 χ^2/NDF:12.5/15

Out: -501.761+/-529.381 χ^2/NDF:11.4/19

All: -566.849+/-386.105 χ^2/NDF: 23.9/35



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1309.196+/-1.048 χ^2/NDF:0.0/0

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

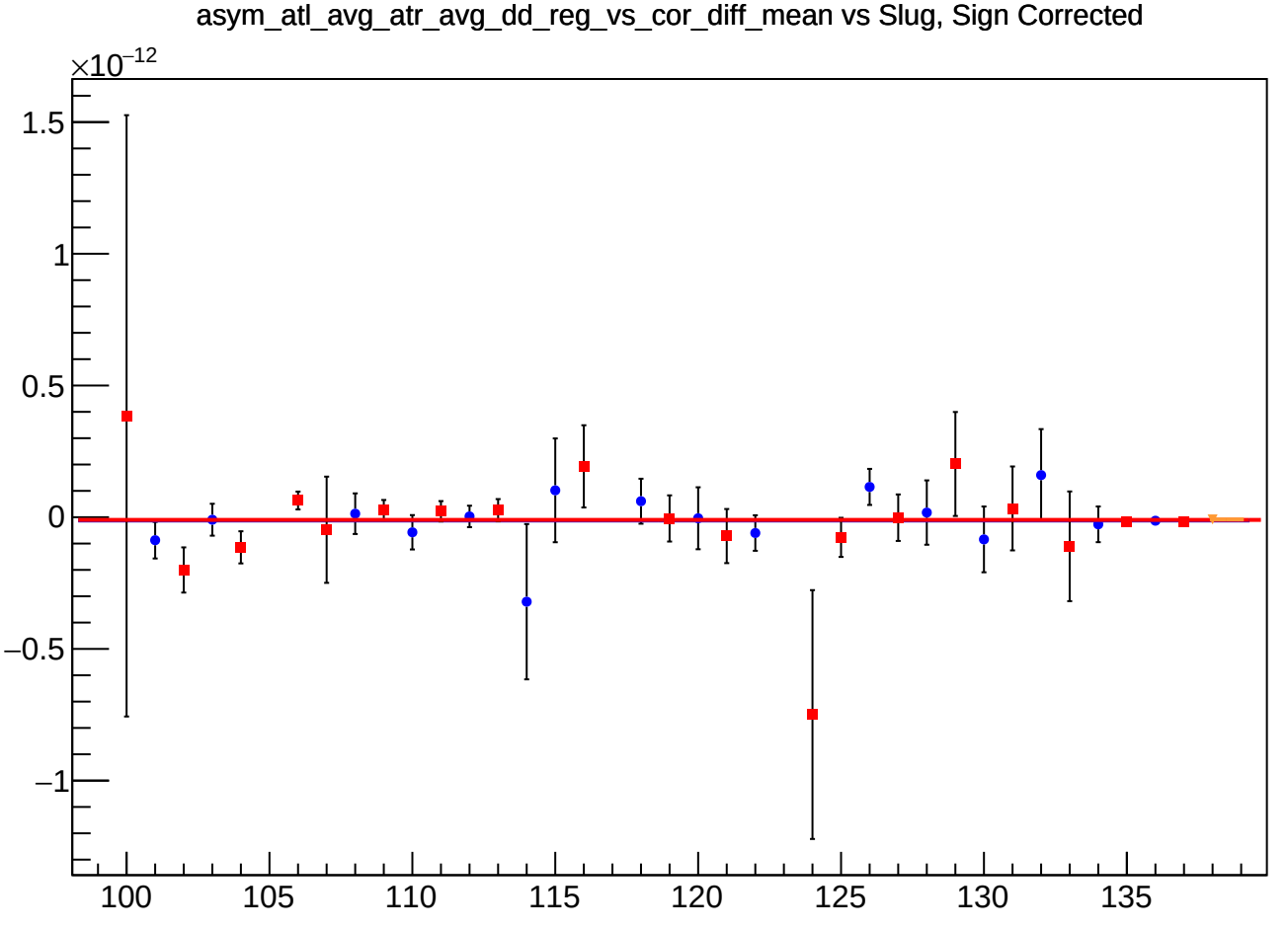
Left: 1309.196+/-1.048 χ^2/NDF: 0.0/0

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1485.370+/-0.399 χ^2/NDF:584470.1/15

Out: 1472.919+/-0.374 χ^2/NDF:651272.3/19

All: 1478.747+/-0.273 χ^2/NDF: 1236260.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

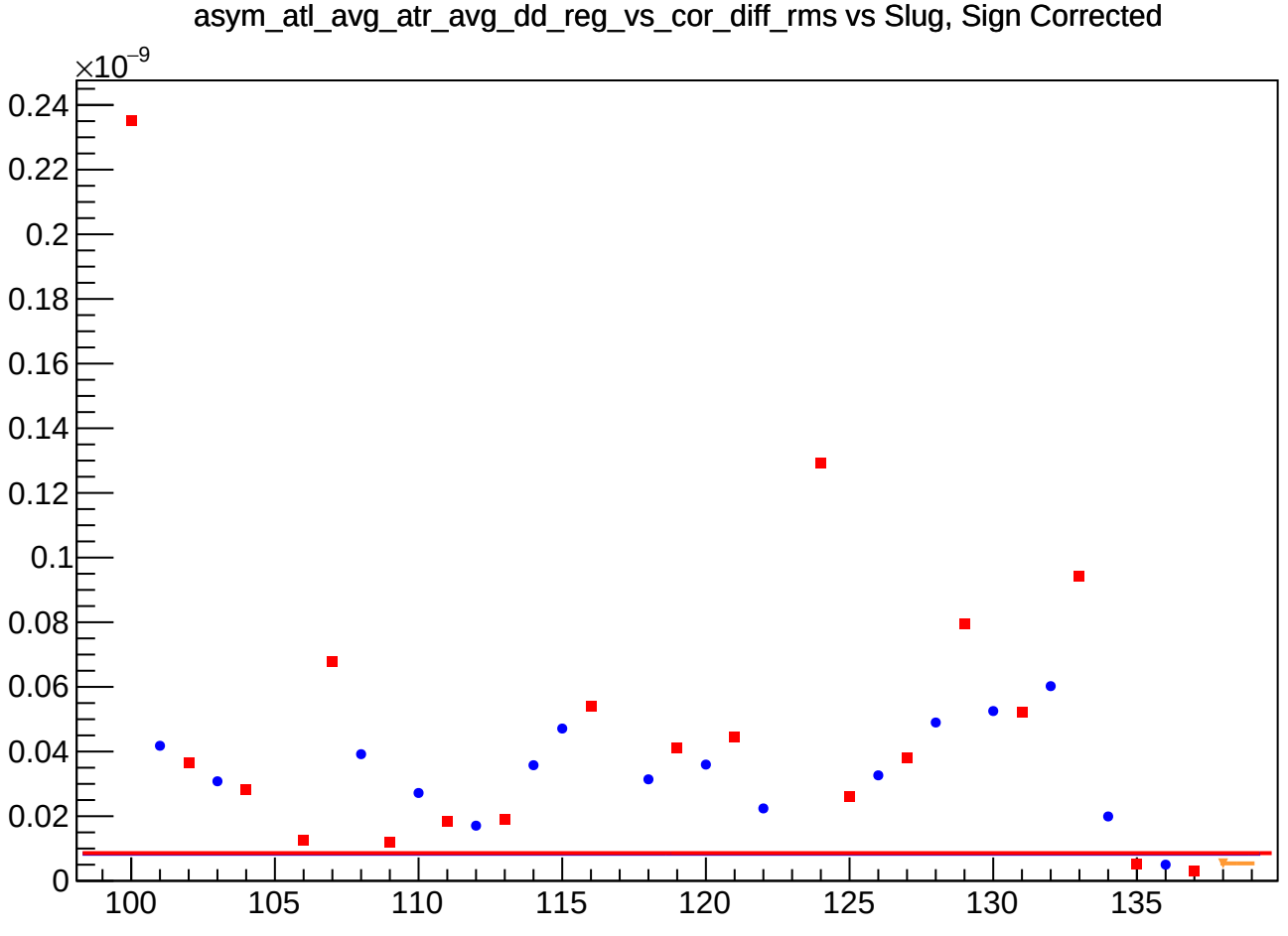
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:9.4/15

Out: -0.000+/-0.000 χ^2/NDF:22.3/19

All: -0.000+/-0.000 χ^2/NDF: 31.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

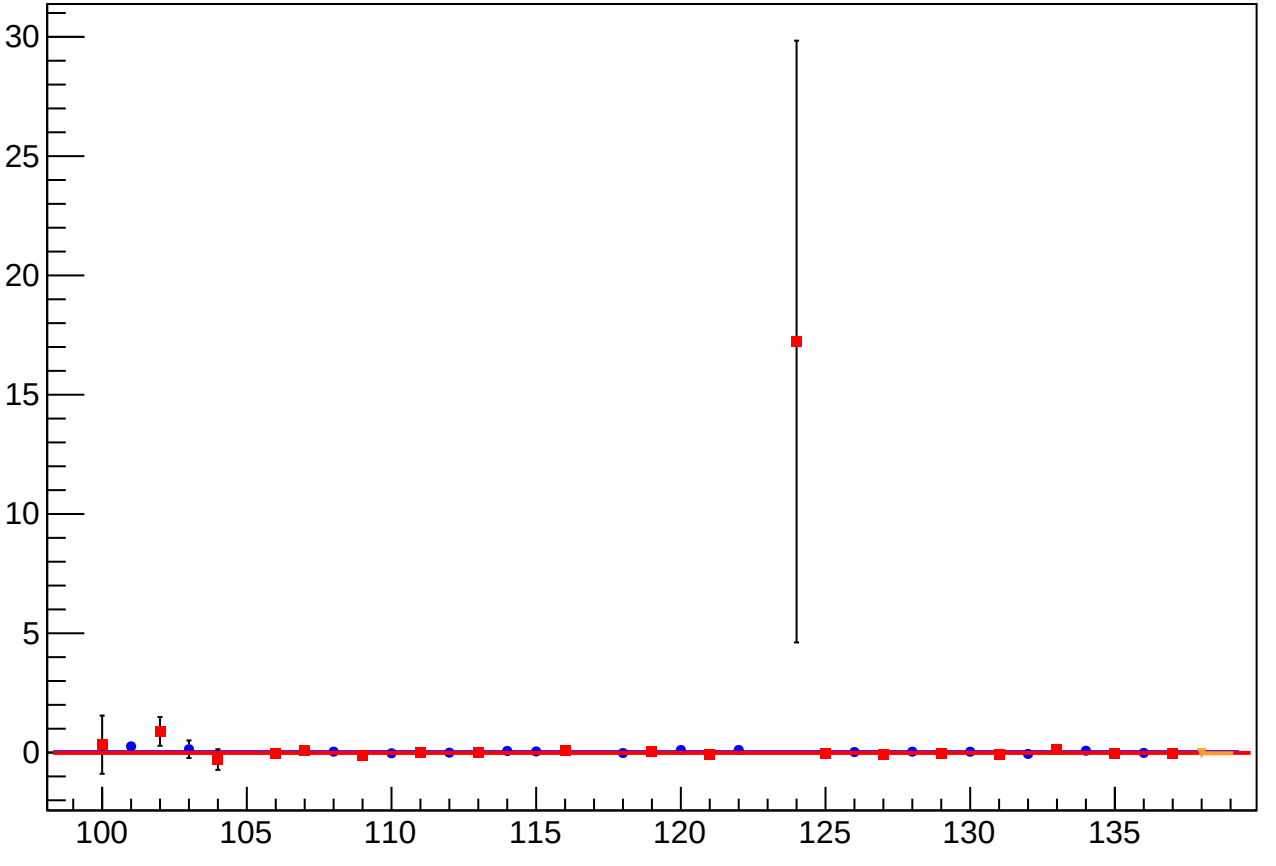
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3059657.6/15

Out: 0.000+/-0.000 χ^2/NDF:3493237.9/19

All: 0.000+/-0.000 χ^2/NDF: 6588678.8/35

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: -0.030+/-0.028 χ^2/NDF:0.0/0

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.028 χ^2/NDF: 0.0/0

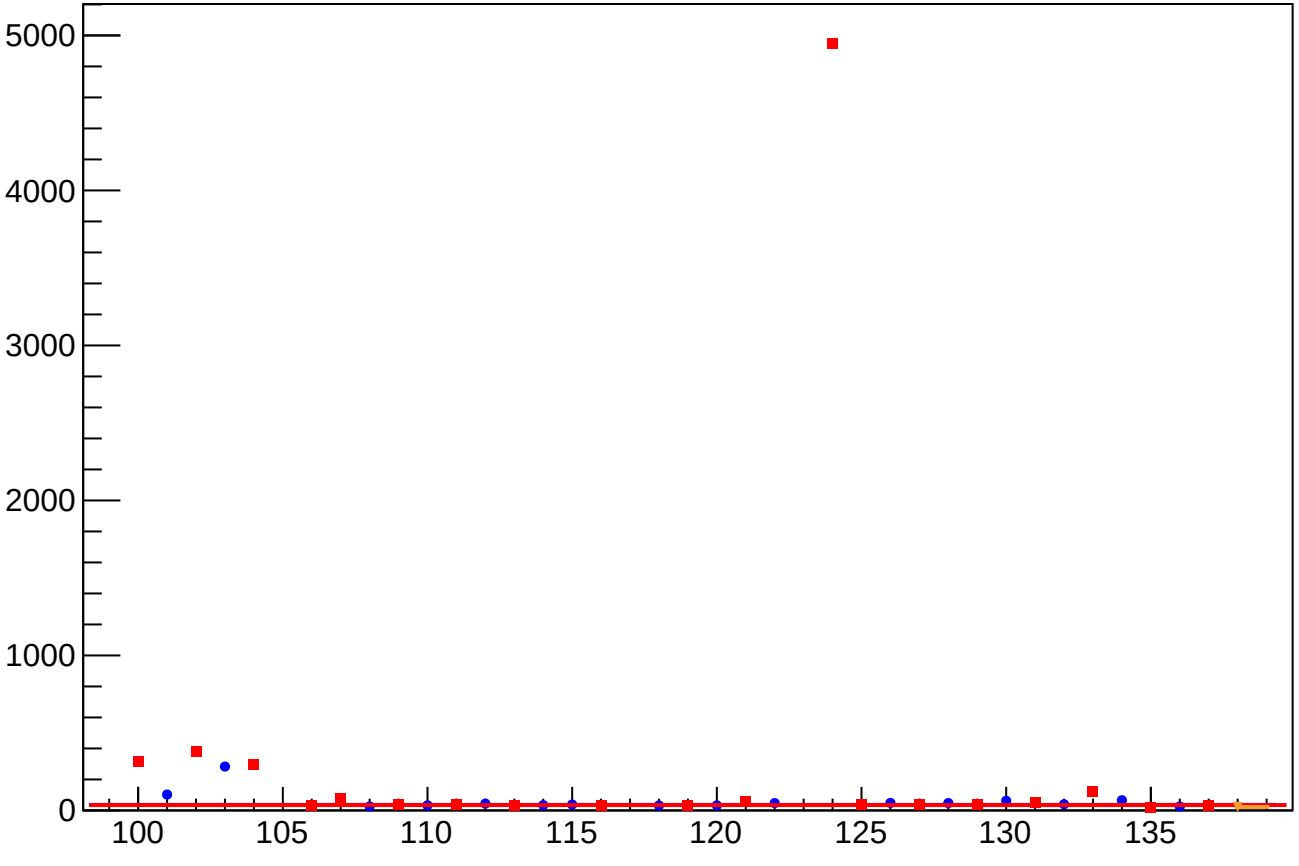
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.017+/-0.015 χ^2/NDF:11.5/15

Out: -0.018+/-0.014 χ^2/NDF:16.3/19

All: -0.003+/-0.010 χ^2/NDF: 30.6/35

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: 22.516+/-0.020 χ^2/NDF:0.0/0

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 22.516+/-0.020 χ^2/NDF: 0.0/0

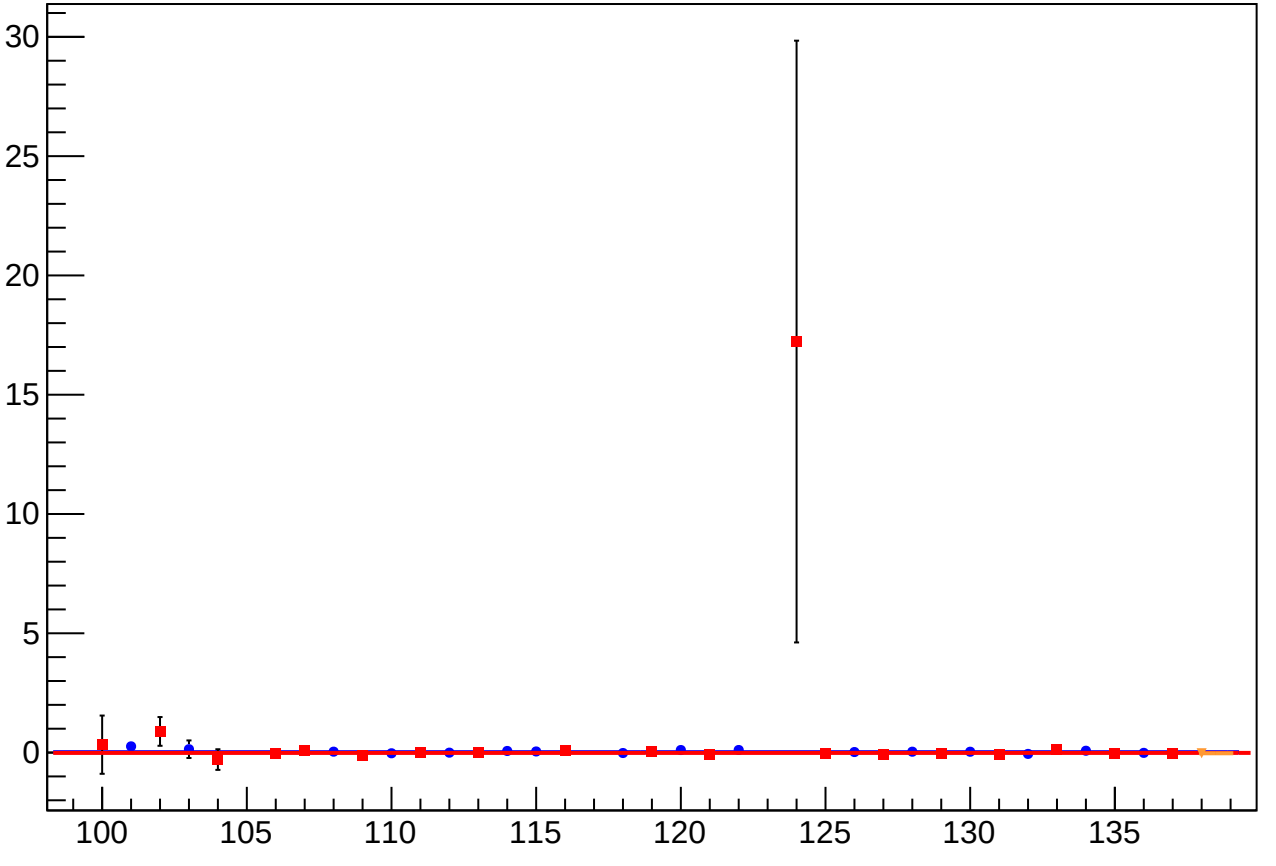
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.742+/-0.011 χ^2/NDF:2264790.8/15

Out: 31.817+/-0.010 χ^2/NDF:3214059.4/19

All: 33.530+/-0.007 χ^2/NDF: 5551596.1/35

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: -0.030+/-0.028 χ^2/NDF:0.0/0

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.028 χ^2/NDF: 0.0/0

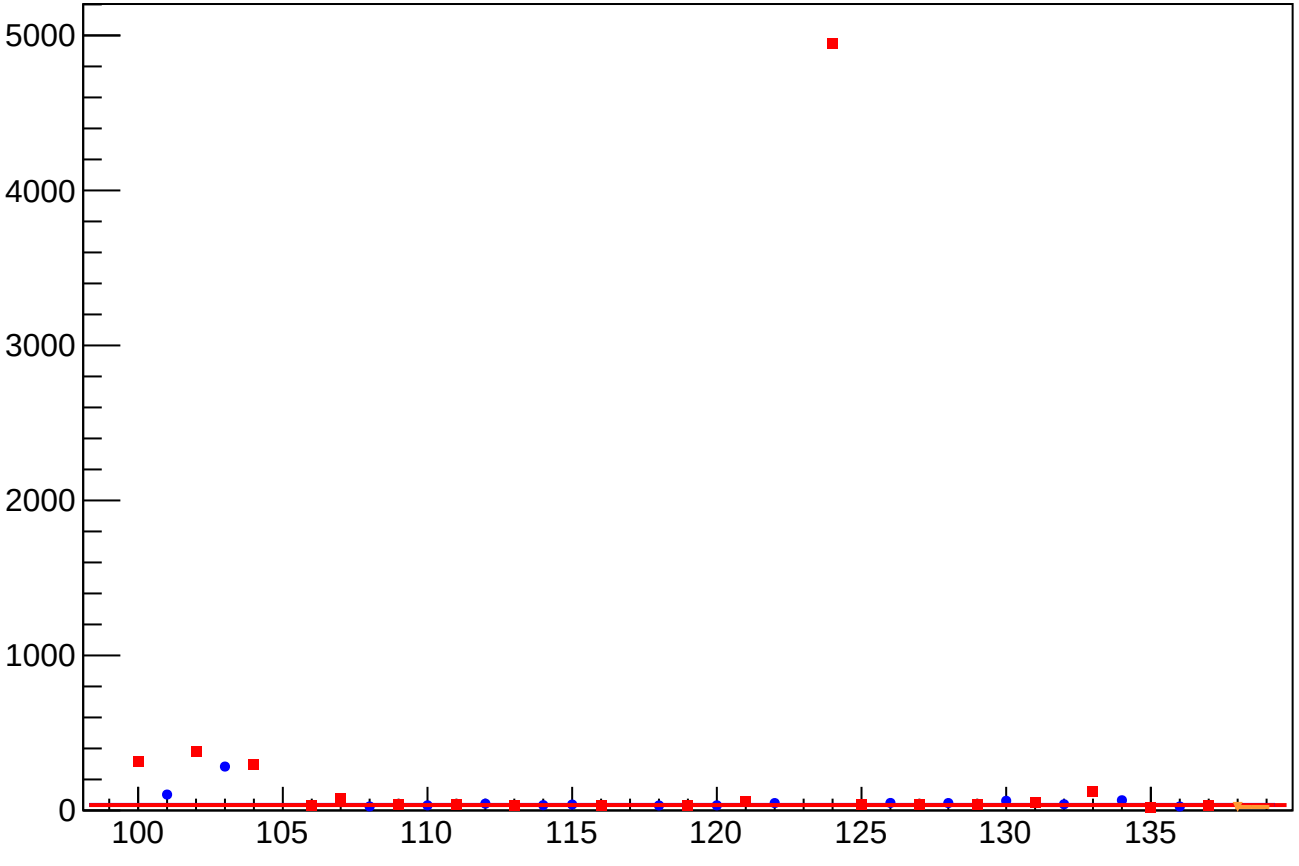
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.017+/-0.015 χ^2/NDF:11.5/15

Out: -0.018+/-0.014 χ^2/NDF:16.3/19

All: -0.003+/-0.010 χ^2/NDF: 30.6/35

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 22.516+/-0.020 χ^2/NDF:0.0/0

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

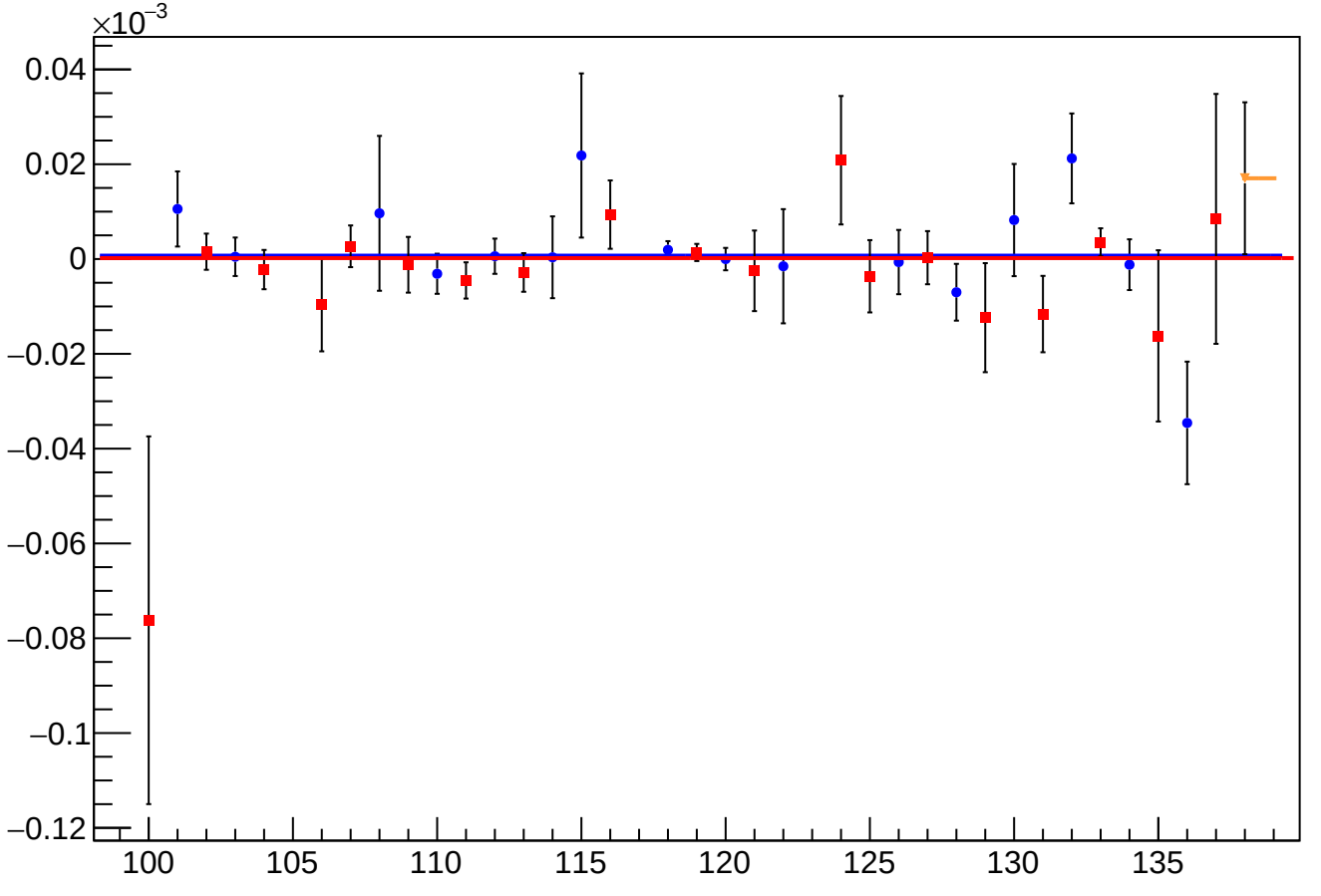
Left: 22.516+/-0.020 χ^2/NDF: 0.0/0

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.742+/-0.011 χ^2/NDF:2264790.8/15

Out: 31.817+/-0.010 χ^2/NDF:3214059.4/19

All: 33.530+/-0.007 χ^2/NDF: 5551596.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

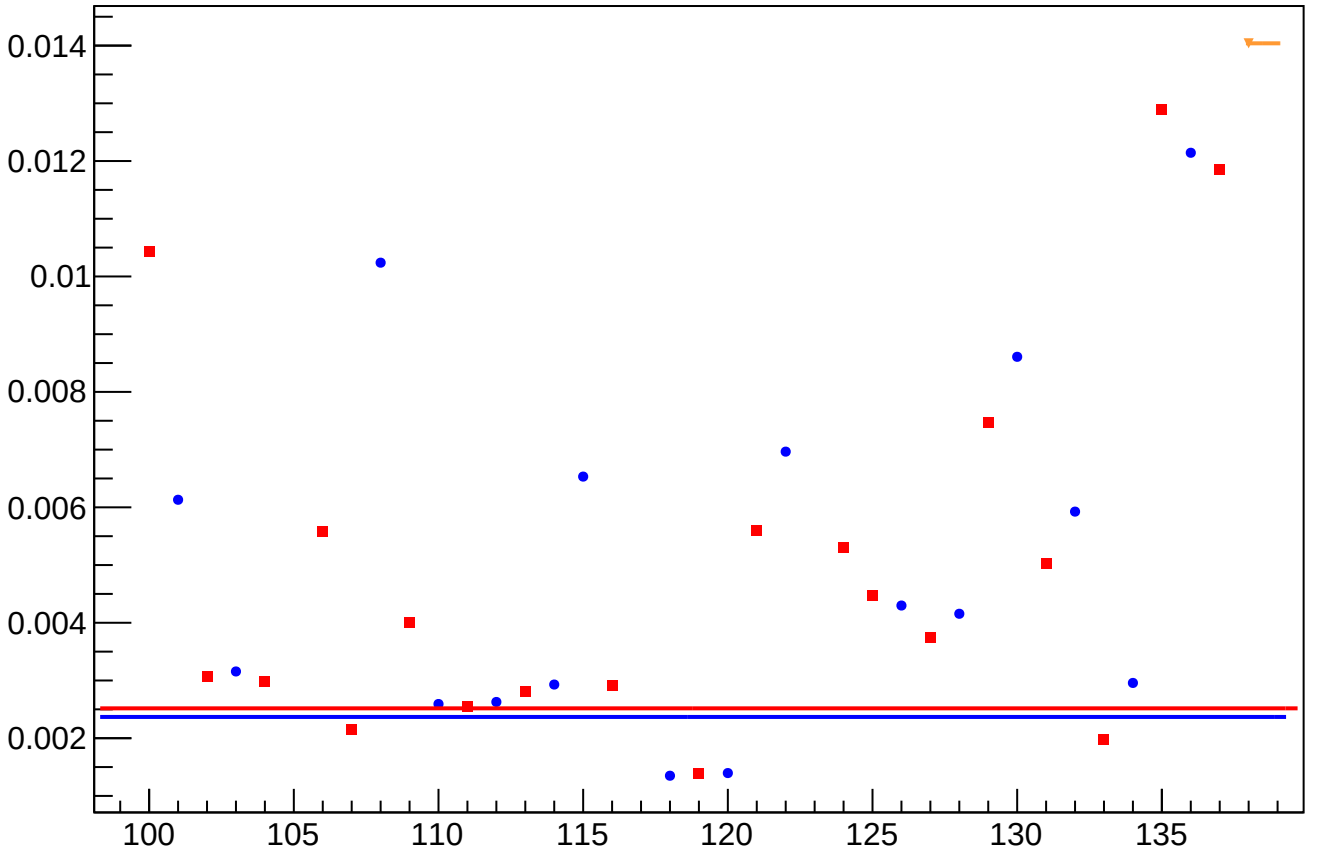
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:19.1/15

Out: 0.000+/-0.000 χ^2/NDF:19.2/19

All: 0.000+/-0.000 χ^2/NDF: 38.4/35



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.014+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.014+/-0.000 χ^2/NDF: 0.0/0

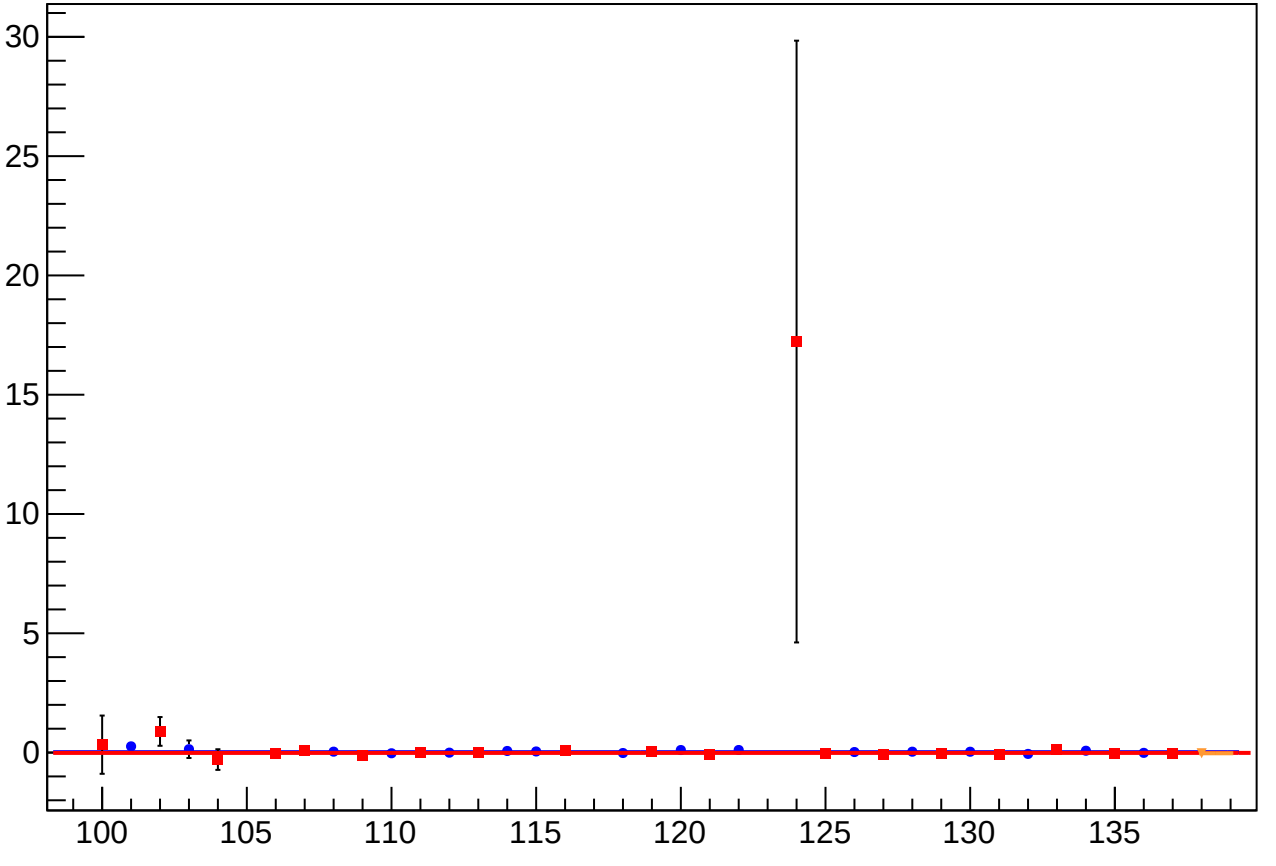
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:4721602.1/15

Out: 0.003+/-0.000 χ^2/NDF:4426245.2/19

All: 0.002+/-0.000 χ^2/NDF: 9181766.1/35

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: -0.030+/-0.028 χ^2/NDF:0.0/0

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.028 χ^2/NDF: 0.0/0

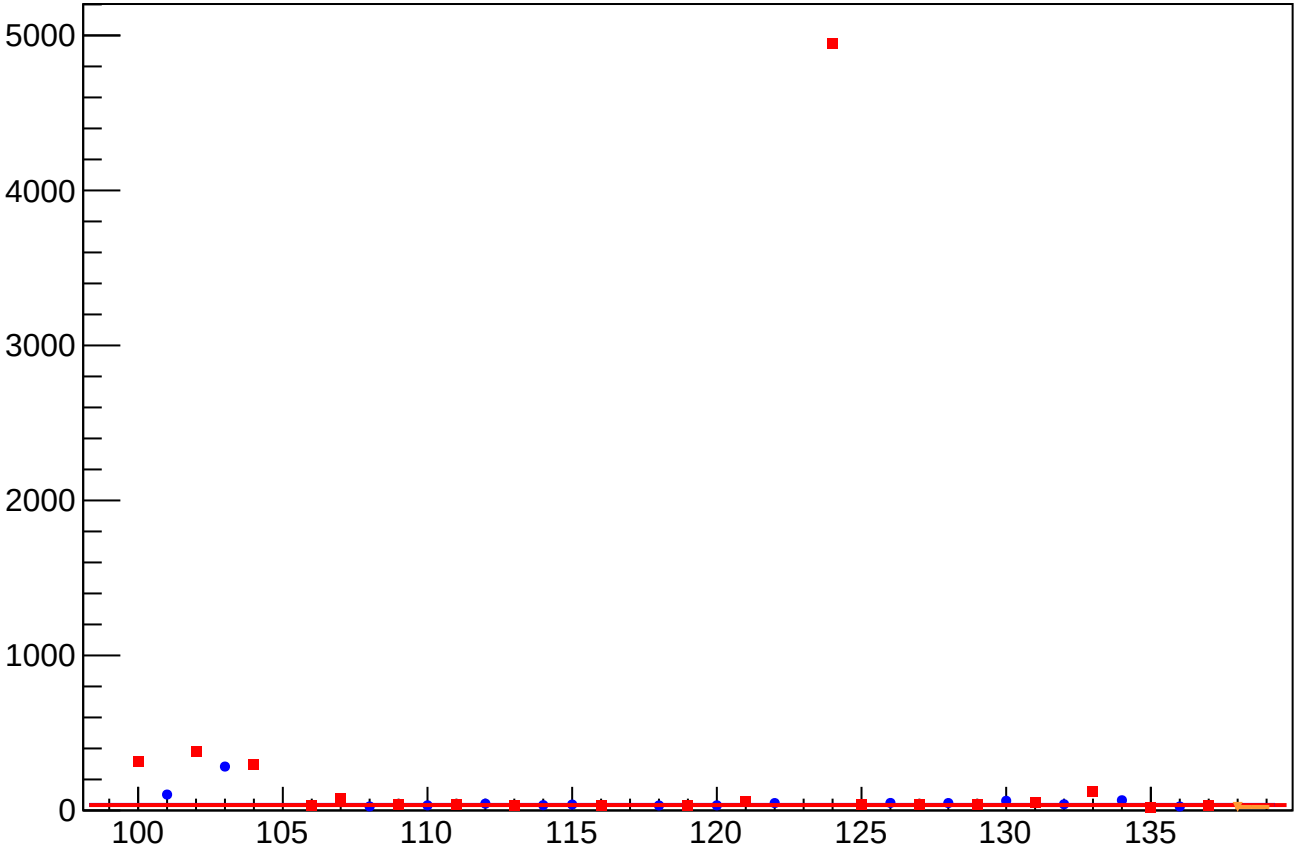
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.017+/-0.015 χ^2/NDF:11.5/15

Out: -0.018+/-0.014 χ^2/NDF:16.3/19

All: -0.003+/-0.010 χ^2/NDF: 30.6/35

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: 22.514+/-0.020 χ^2/NDF:0.0/0

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 22.514+/-0.020 χ^2/NDF: 0.0/0

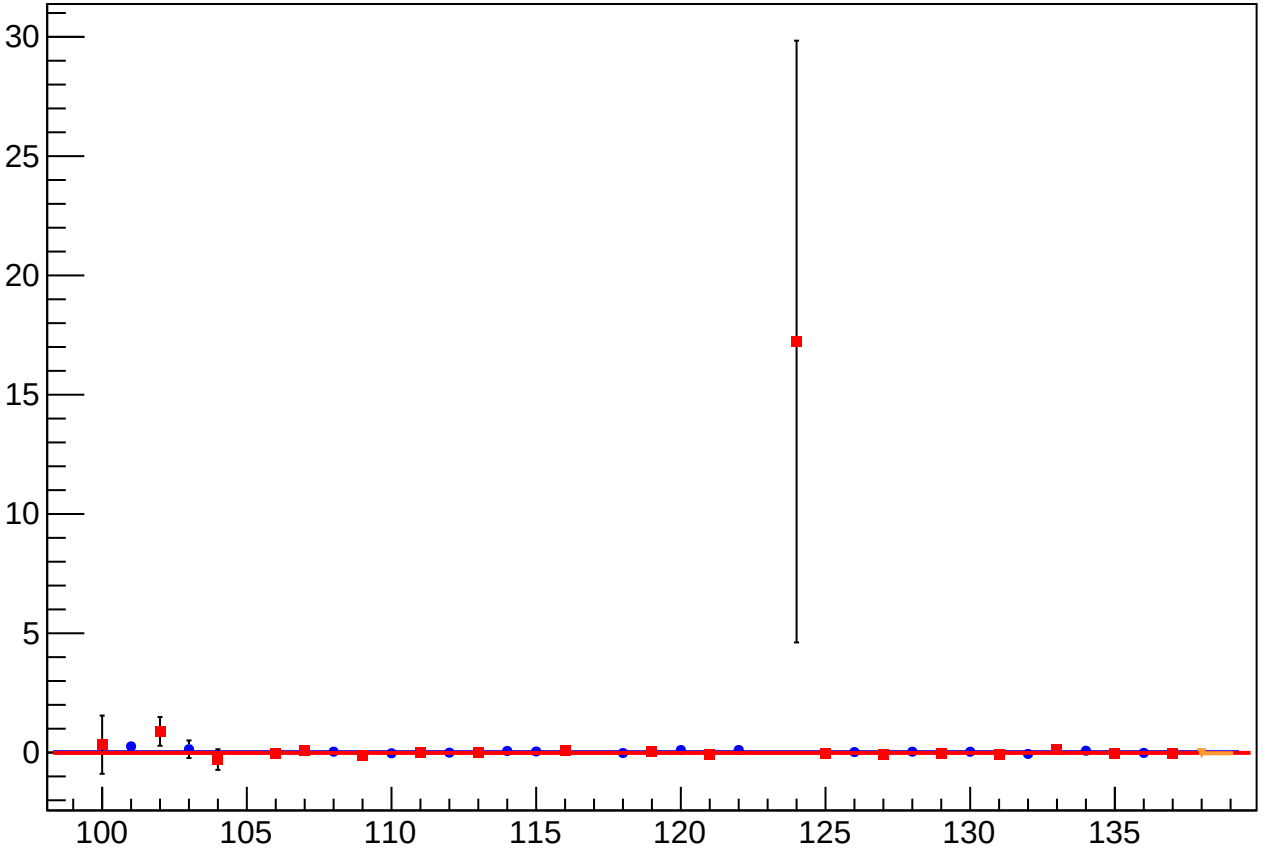
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.743+/-0.011 χ^2/NDF:2264513.9/15

Out: 31.818+/-0.010 χ^2/NDF:3214018.4/19

All: 33.531+/-0.007 χ^2/NDF: 5551327.9/35

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: -0.030+/-0.028 χ^2/NDF:0.0/0

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.028 χ^2/NDF: 0.0/0

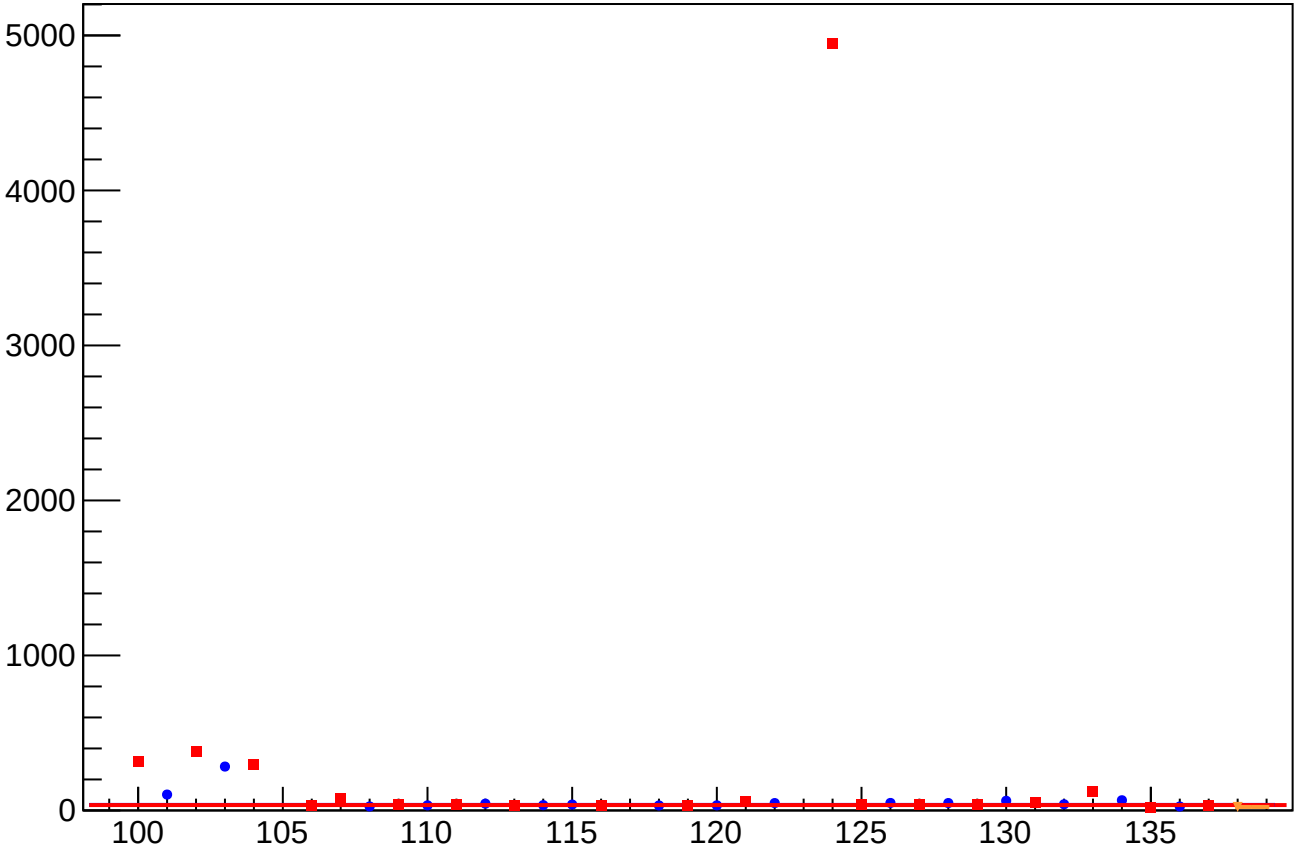
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.017+/-0.015 χ^2/NDF:11.5/15

Out: -0.018+/-0.014 χ^2/NDF:16.3/19

All: -0.003+/-0.010 χ^2/NDF: 30.6/35

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: 22.514+/-0.020 χ^2/NDF:0.0/0

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

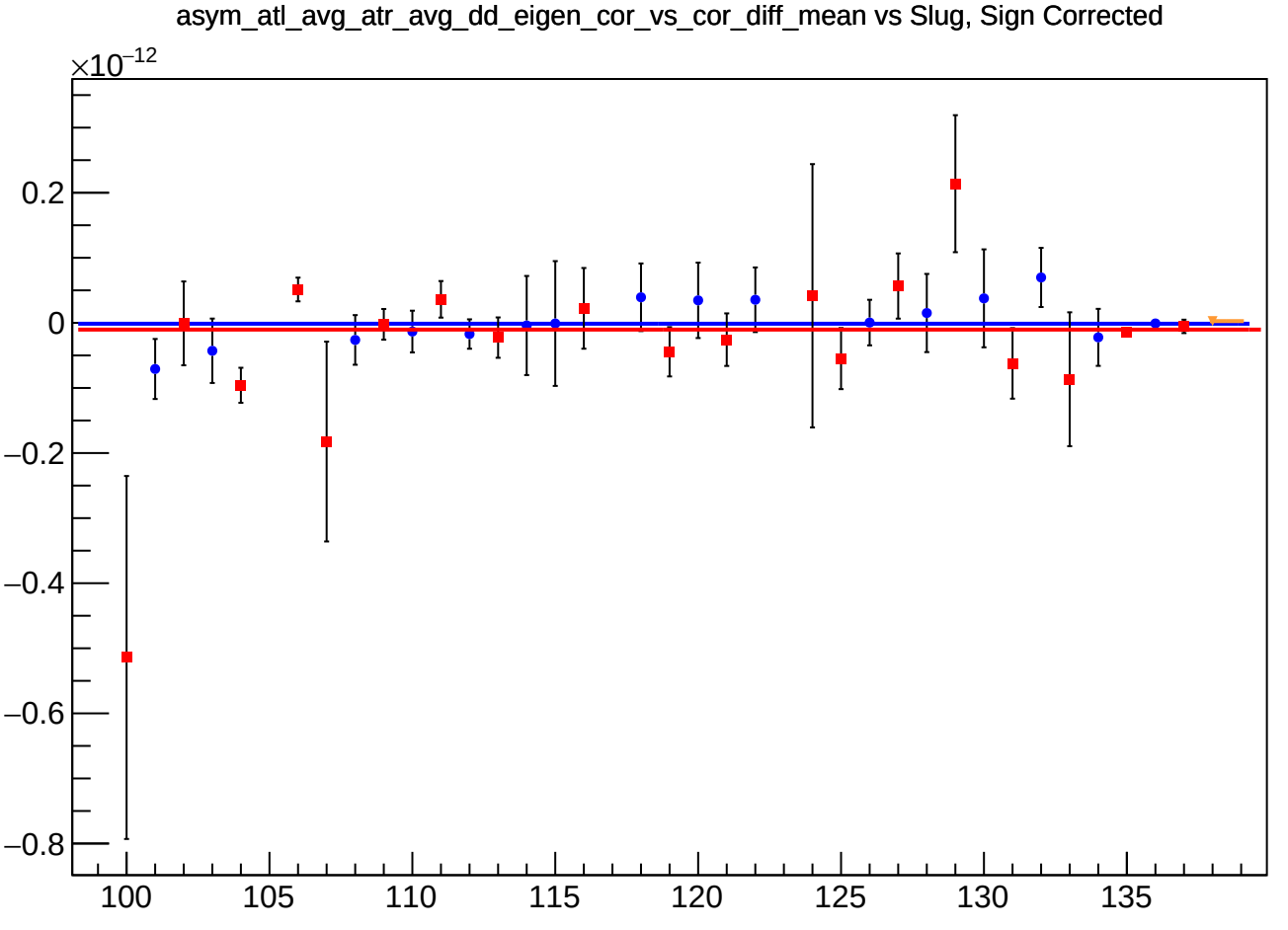
Left: 22.514+/-0.020 χ^2/NDF: 0.0/0

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.743+/-0.011 χ^2/NDF:2264513.9/15

Out: 31.818+/-0.010 χ^2/NDF:3214018.4/19

All: 33.531+/-0.007 χ^2/NDF: 5551327.9/35



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

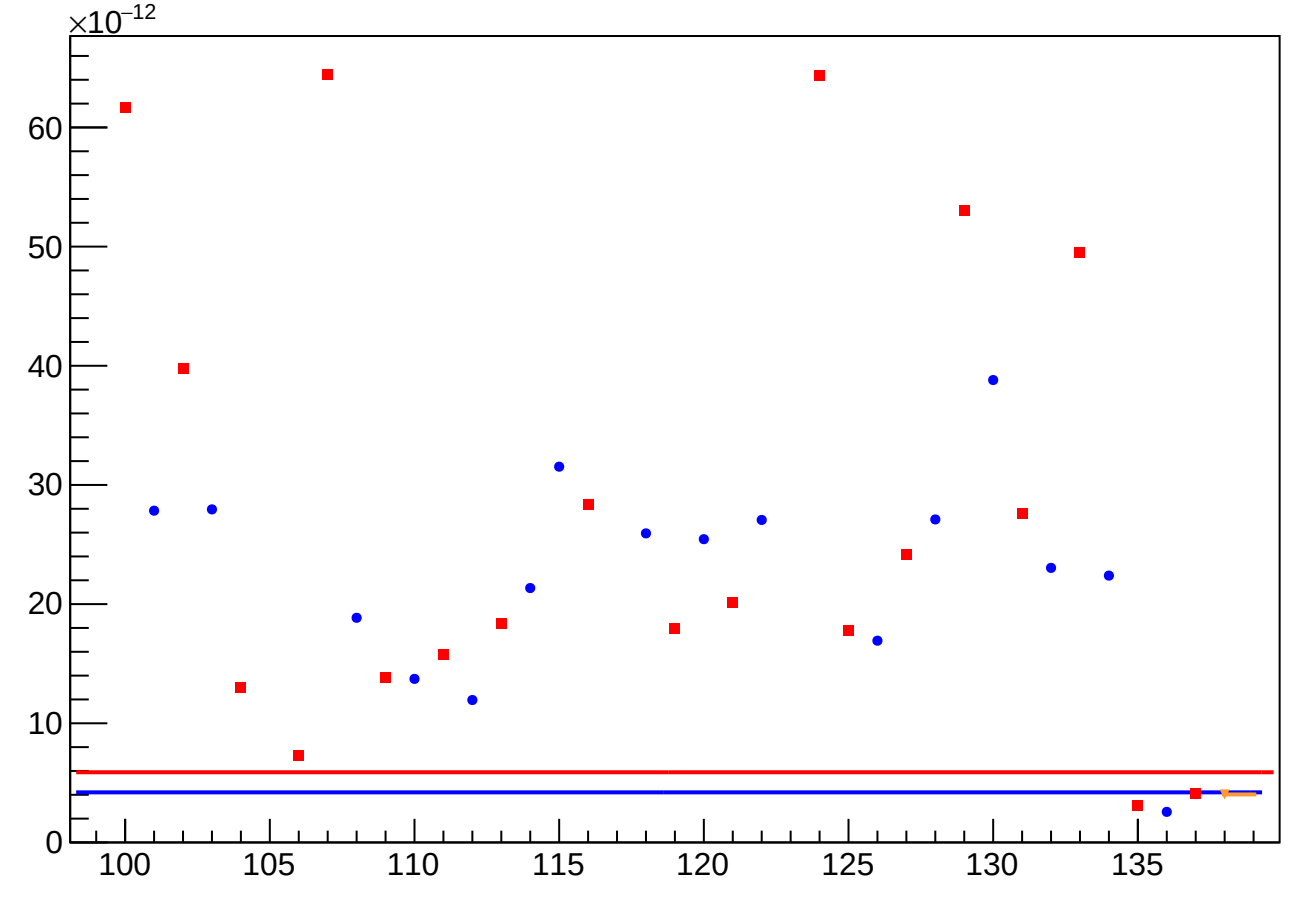
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: -0.000+/-0.000 χ^2/NDF:8.6/15

Out: -0.000+/-0.000 χ^2/NDF:43.4/19

All: -0.000+/-0.000 χ^2/NDF: 52.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

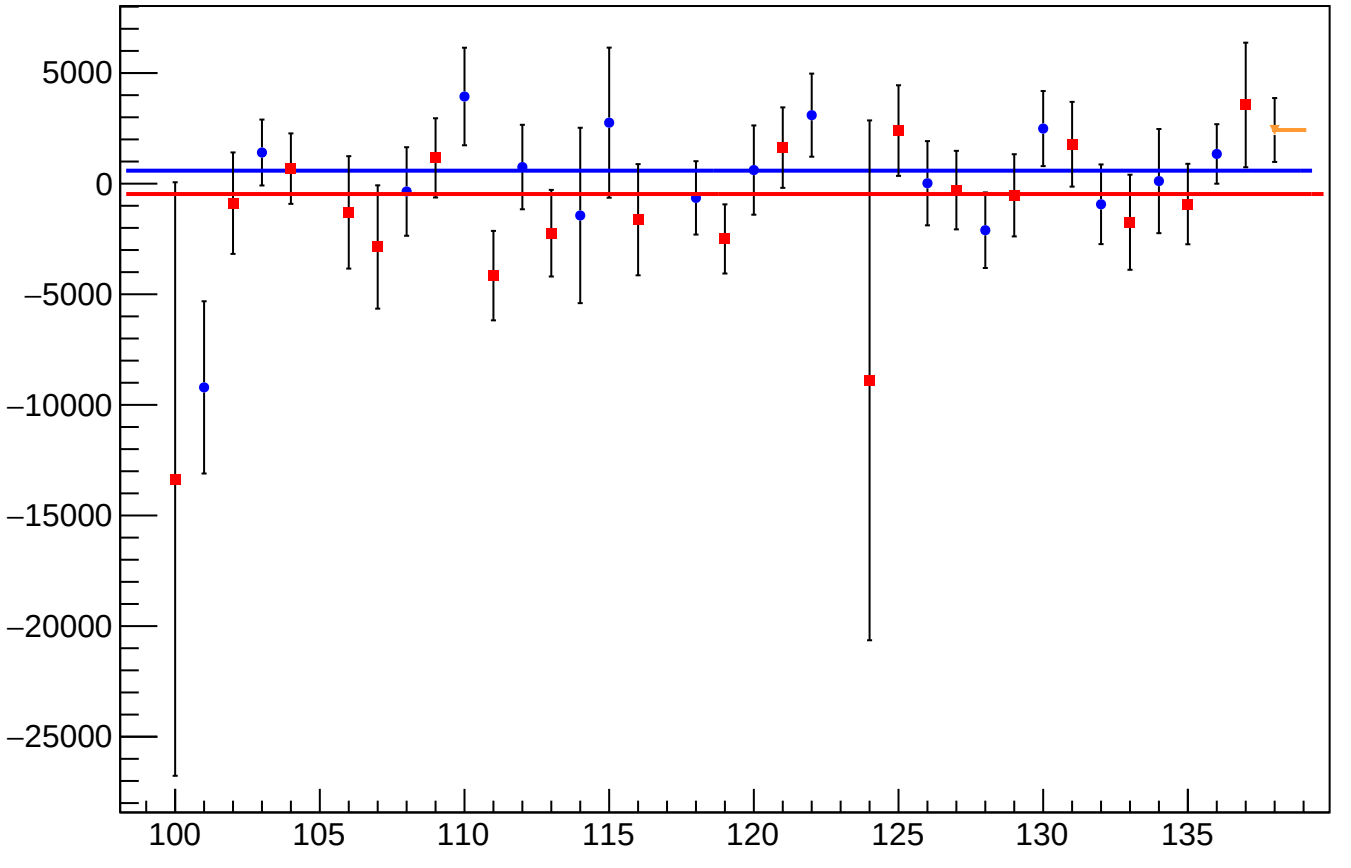
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5080225.0/15

Out: 0.000+/-0.000 χ^2/NDF:5006597.3/19

All: 0.000+/-0.000 χ^2/NDF: 10175170.0/35



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: 2425.769+/-1443.726 χ^2/NDF:0.0/0

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

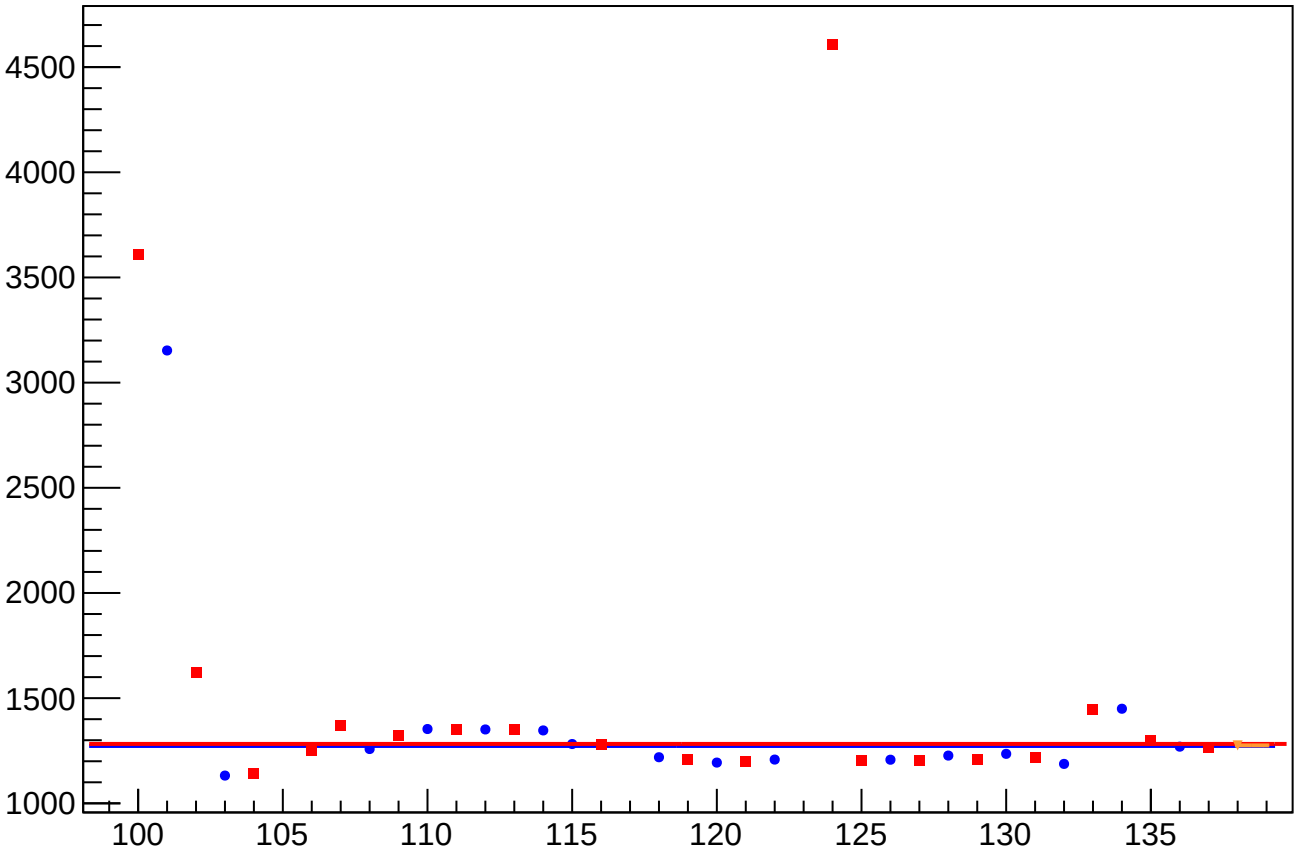
Left: 2425.769+/-1443.726 χ^2/NDF: 0.0/0

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 586.935+/-482.434 χ^2/NDF:17.1/15

Out: -180.320+/-455.926 χ^2/NDF:20.5/19

All: 181.650+/-331.363 χ^2/NDF: 38.9/35



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1275.395+/-1.021 χ^2/NDF:0.0/0

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

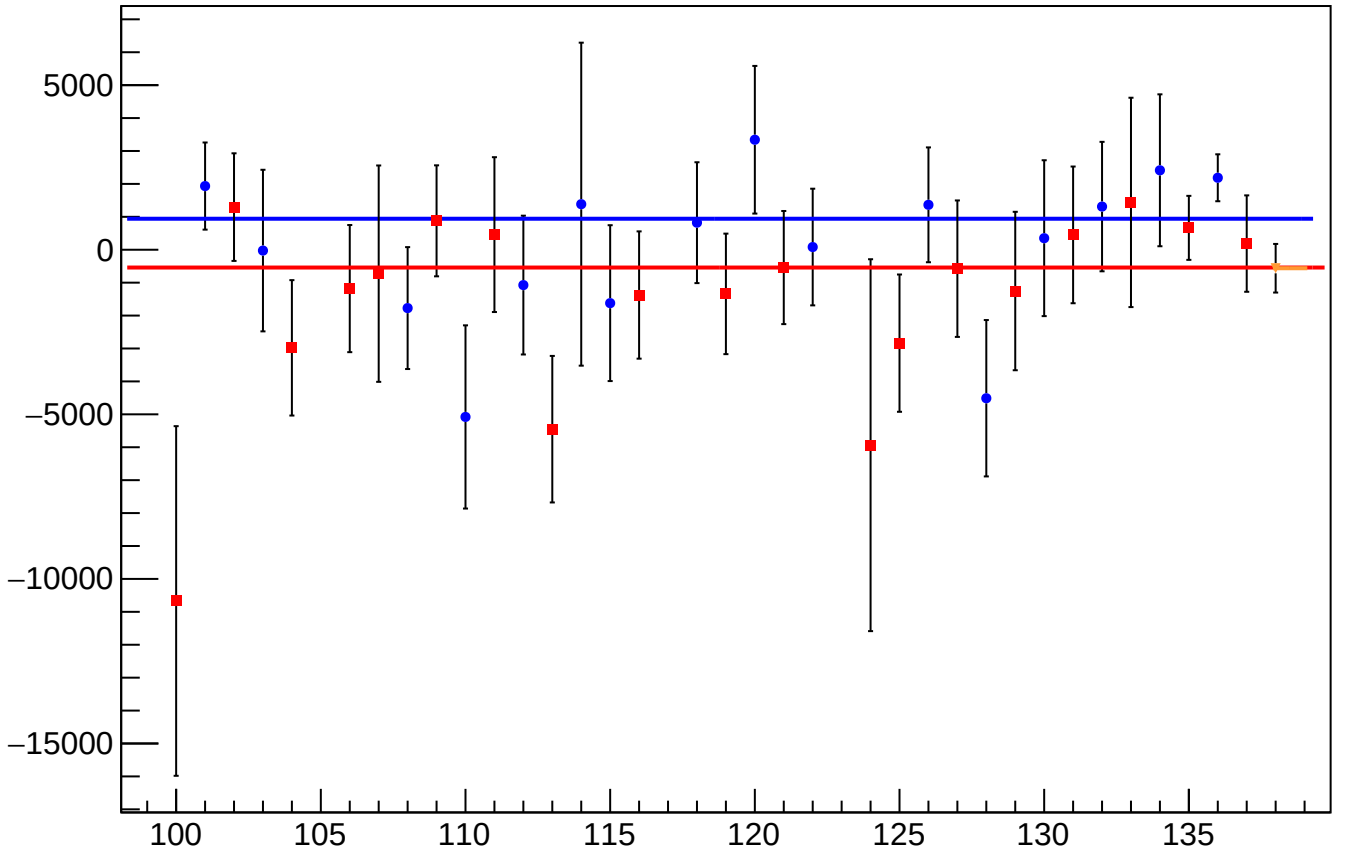
Left: 1275.395+/-1.021 χ^2/NDF: 0.0/0

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1272.804+/-0.341 χ^2/NDF:519298.2/15

Out: 1281.670+/-0.322 χ^2/NDF:322120.6/19

All: 1277.487+/-0.234 χ^2/NDF: 841775.5/35



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: -562.194+/-738.440 χ^2/NDF:0.0/0

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

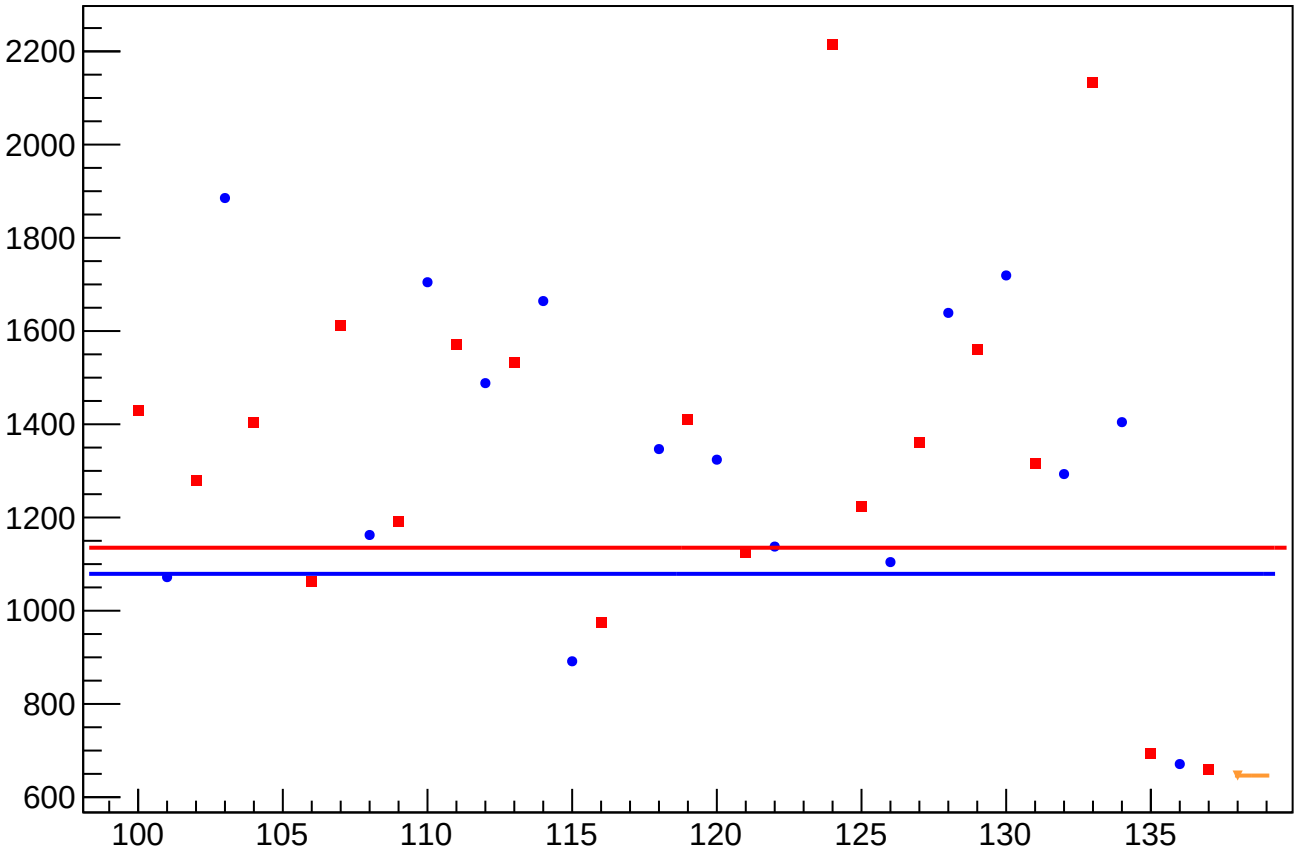
Left: -562.194+/-738.440 χ^2/NDF: 0.0/0

Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 941.759+/-425.837 χ^2/NDF:19.9/15

Out: -546.272+/-377.927 χ^2/NDF:17.2/19

All: 109.360+/-282.662 χ^2/NDF: 43.9/35



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 646.394+/-0.522 χ^2/NDF:0.0/0

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

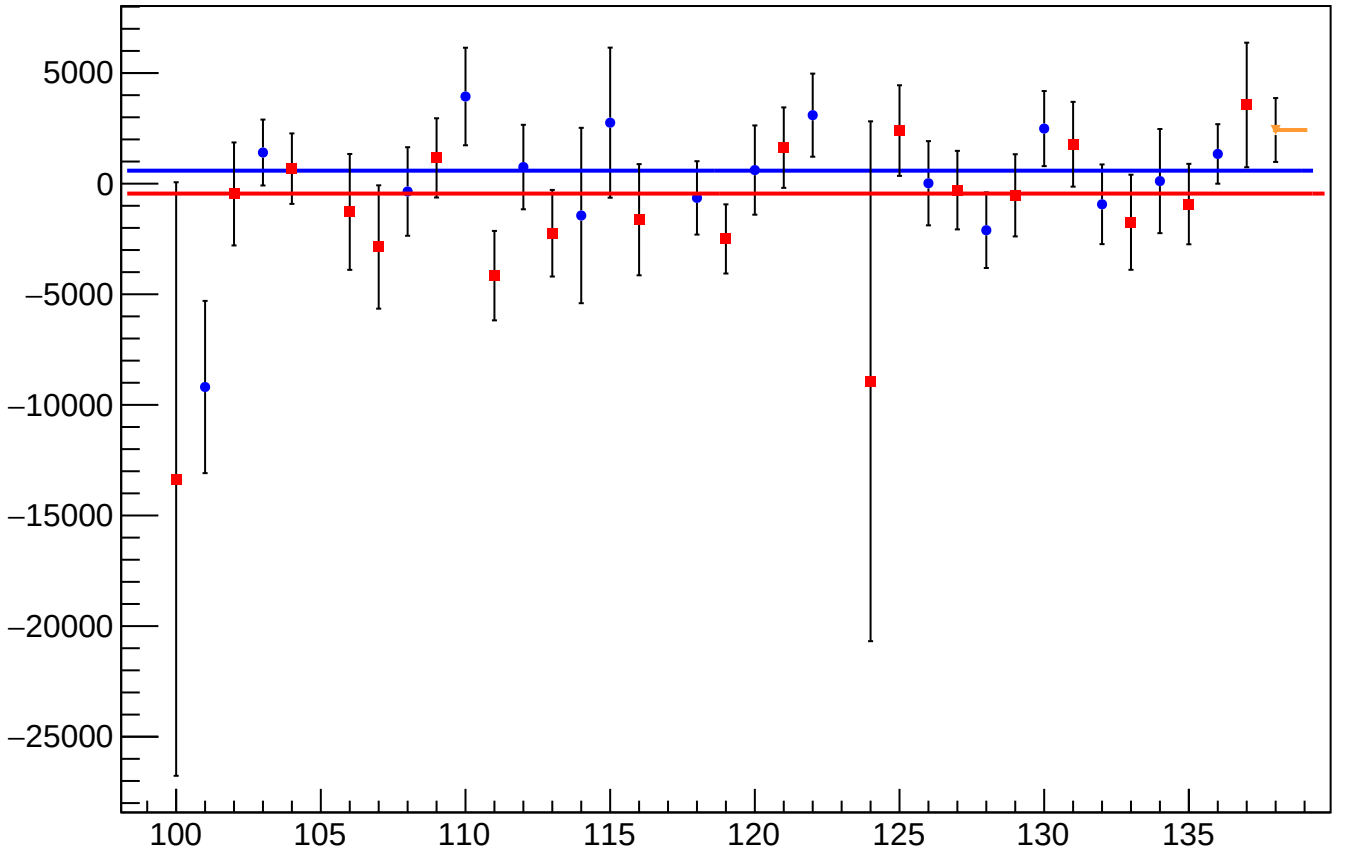
Left: 646.394+/-0.522 χ^2/NDF: 0.0/0

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 1079.120+/-0.301 χ^2/NDF:1482232.0/15

Out: 1007.138+/-0.267 χ^2/NDF:1939779.3/19

All: 1038.854+/-0.200 χ^2/NDF: 3453978.4/35



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: 2425.697+/-1443.726 χ^2/NDF:0.0/0

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

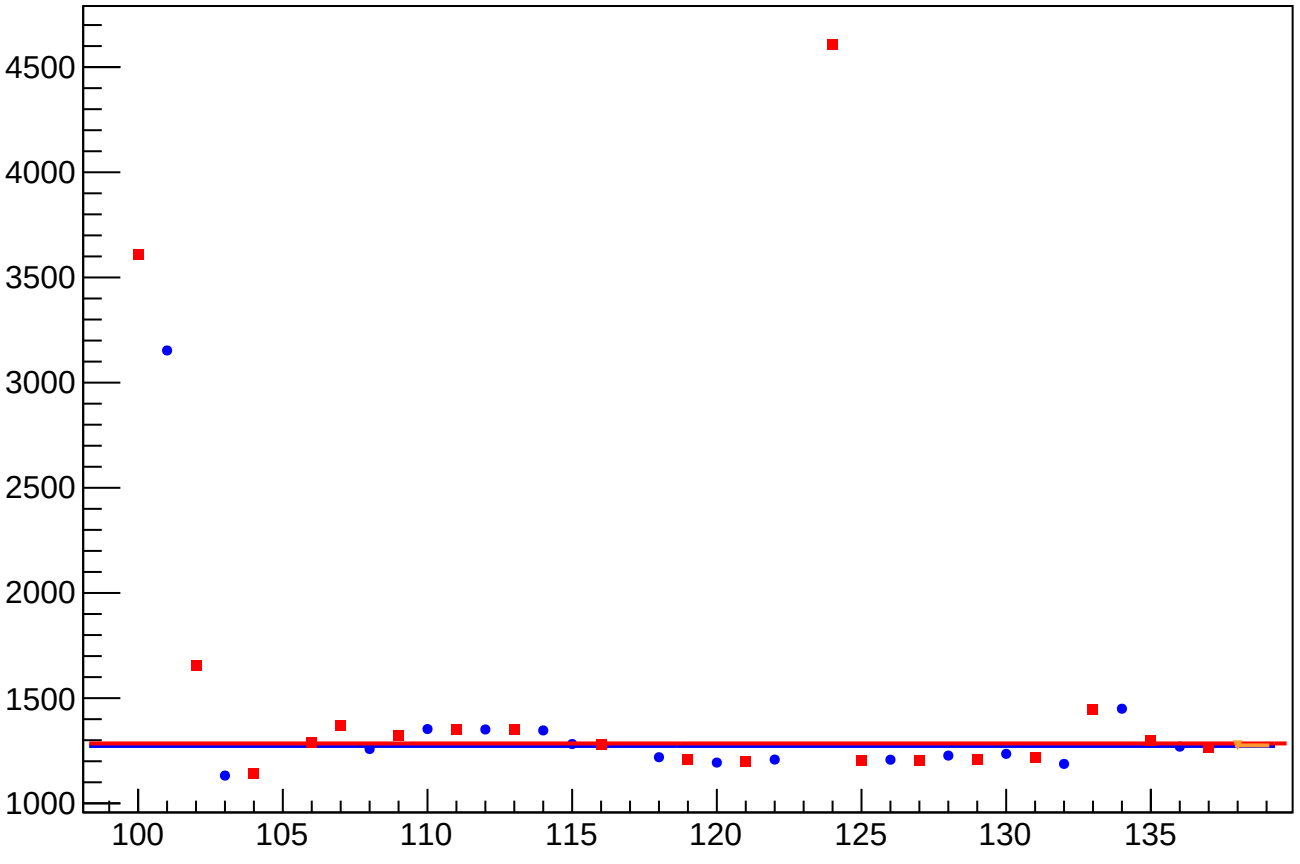
Left: 2425.697+/-1443.726 χ^2/NDF: 0.0/0

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 587.254+/-482.434 χ^2/NDF:17.1/15

Out: -160.903+/-456.624 χ^2/NDF:20.4/19

All: 192.628+/-331.631 χ^2/NDF: 38.7/35



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1275.395+/-1.021 χ^2/NDF:0.0/0

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

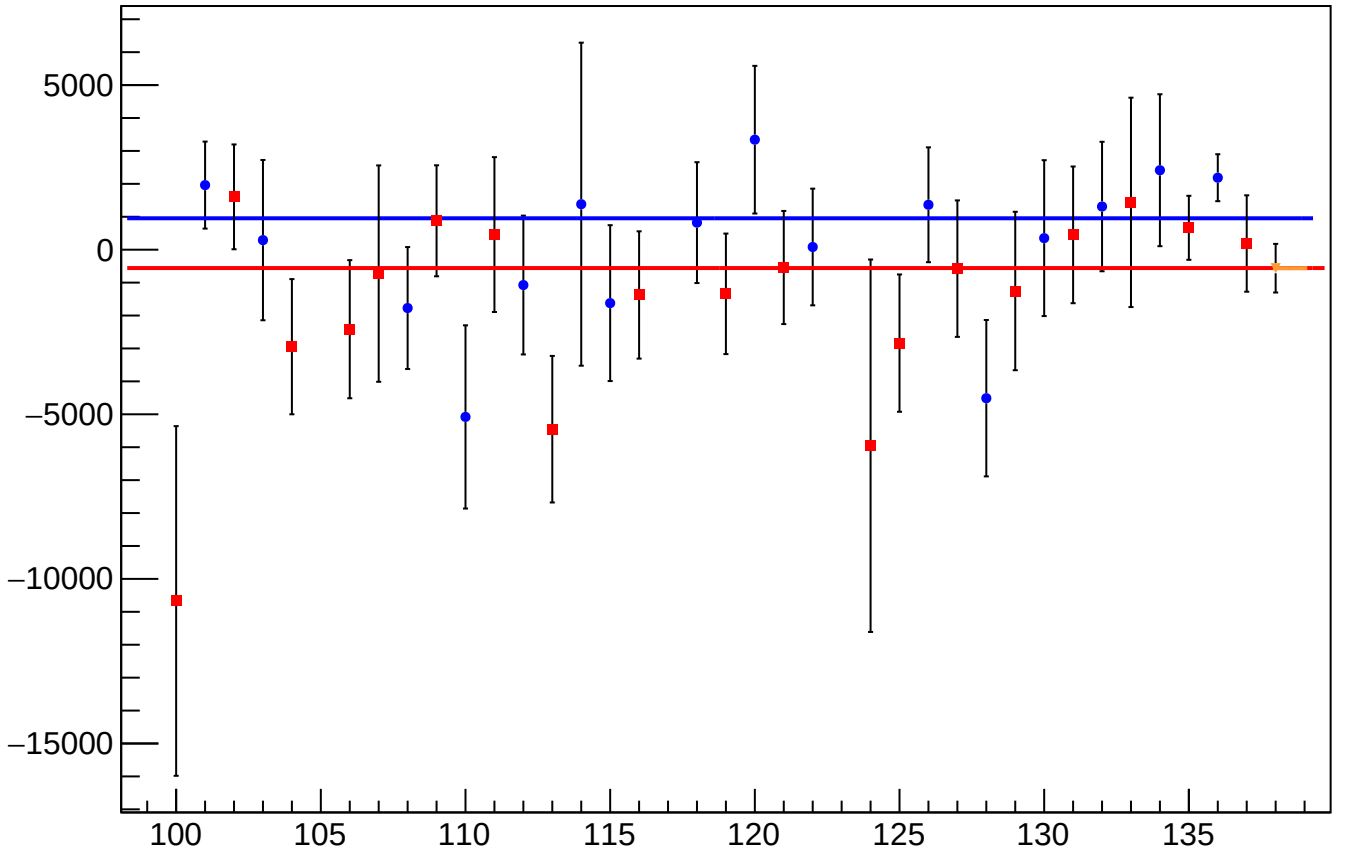
Left: 1275.395+/-1.021 χ^2/NDF: 0.0/0

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1272.804+/-0.341 χ^2/NDF:519299.6/15

Out: 1283.728+/-0.323 χ^2/NDF:328809.0/19

All: 1278.566+/-0.234 χ^2/NDF: 848649.5/35



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -562.133+/-738.438 χ^2/NDF:0.0/0

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

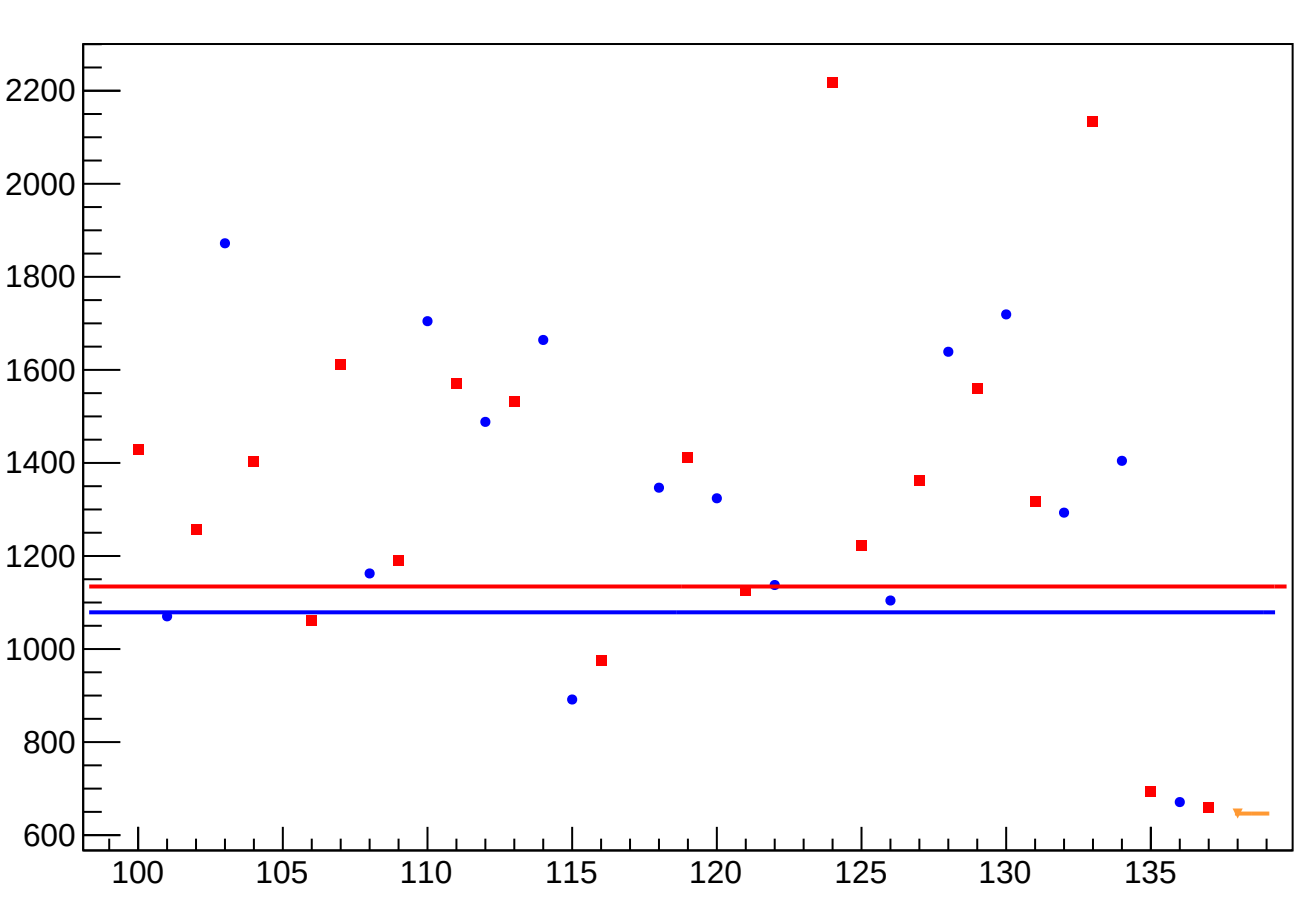
Left: -562.133+/-738.438 χ^2/NDF: 0.0/0

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 954.146+/-425.660 χ^2/NDF:19.9/15

Out: -559.038+/-378.467 χ^2/NDF:18.4/19

All: 109.052+/-282.836 χ^2/NDF: 45.3/35



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 646.391+/-0.522 χ^2/NDF:0.0/0

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

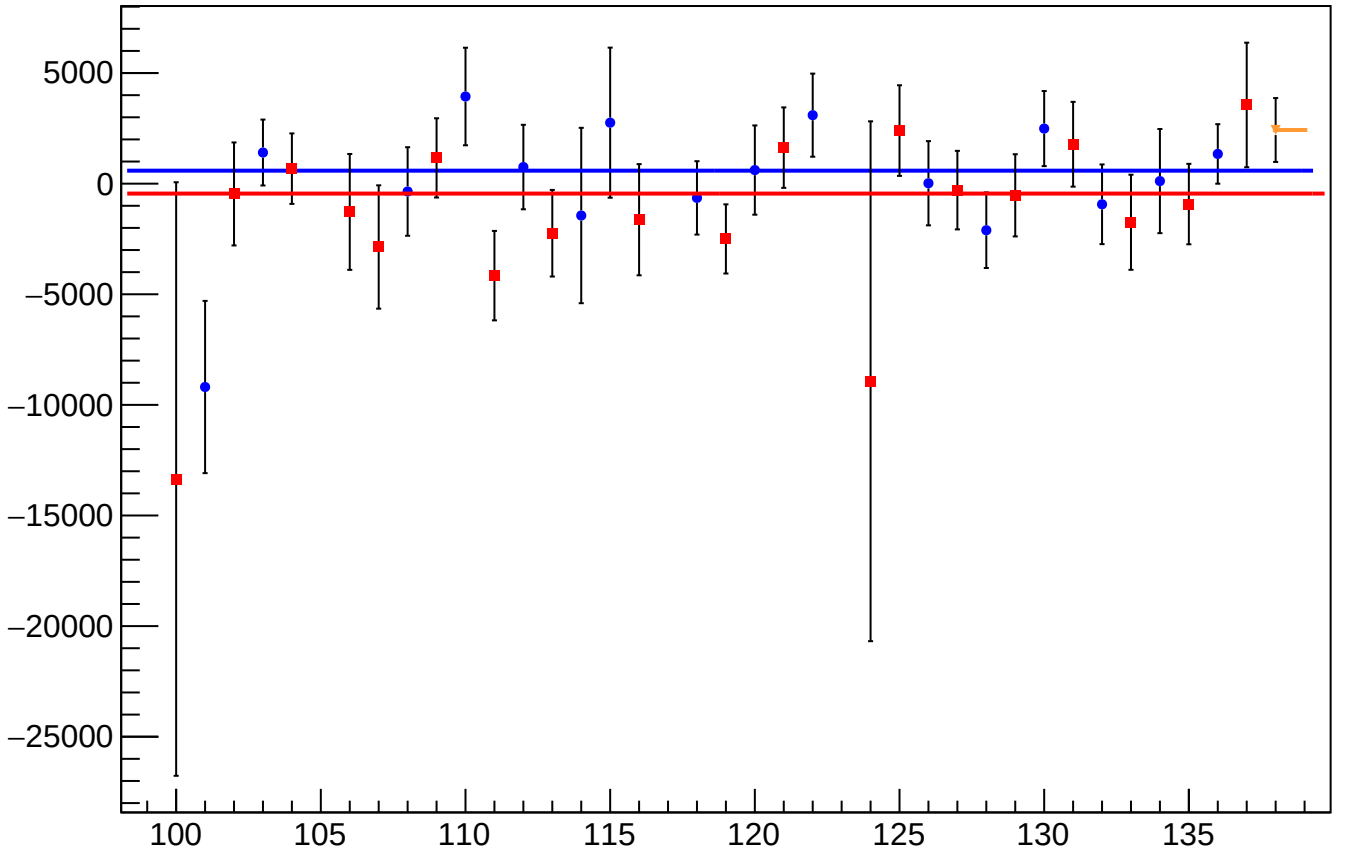
Left: 646.391+/-0.522 χ^2/NDF: 0.0/0

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 1078.932+/-0.301 χ^2/NDF:1478719.9/15

Out: 1006.230+/-0.268 χ^2/NDF:1933014.7/19

All: 1038.329+/-0.200 χ^2/NDF: 3444318.8/35



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: 2425.697+/-1443.726 χ^2/NDF:0.0/0

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

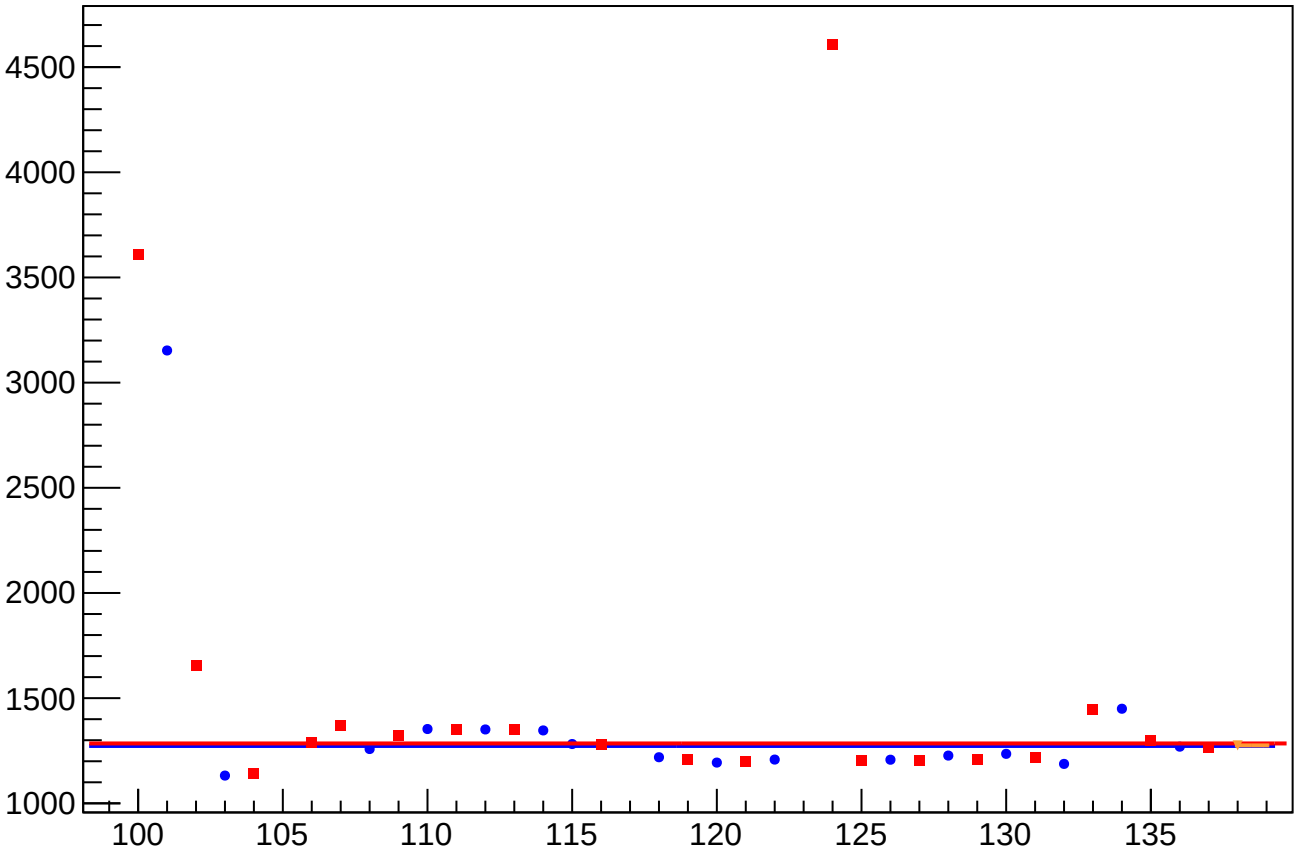
Left: 2425.697+/-1443.726 χ^2/NDF: 0.0/0

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 587.254+/-482.434 χ^2/NDF:17.1/15

Out: -160.903+/-456.624 χ^2/NDF:20.4/19

All: 192.628+/-331.631 χ^2/NDF: 38.7/35



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1275.395+/-1.021 χ^2/NDF:0.0/0

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

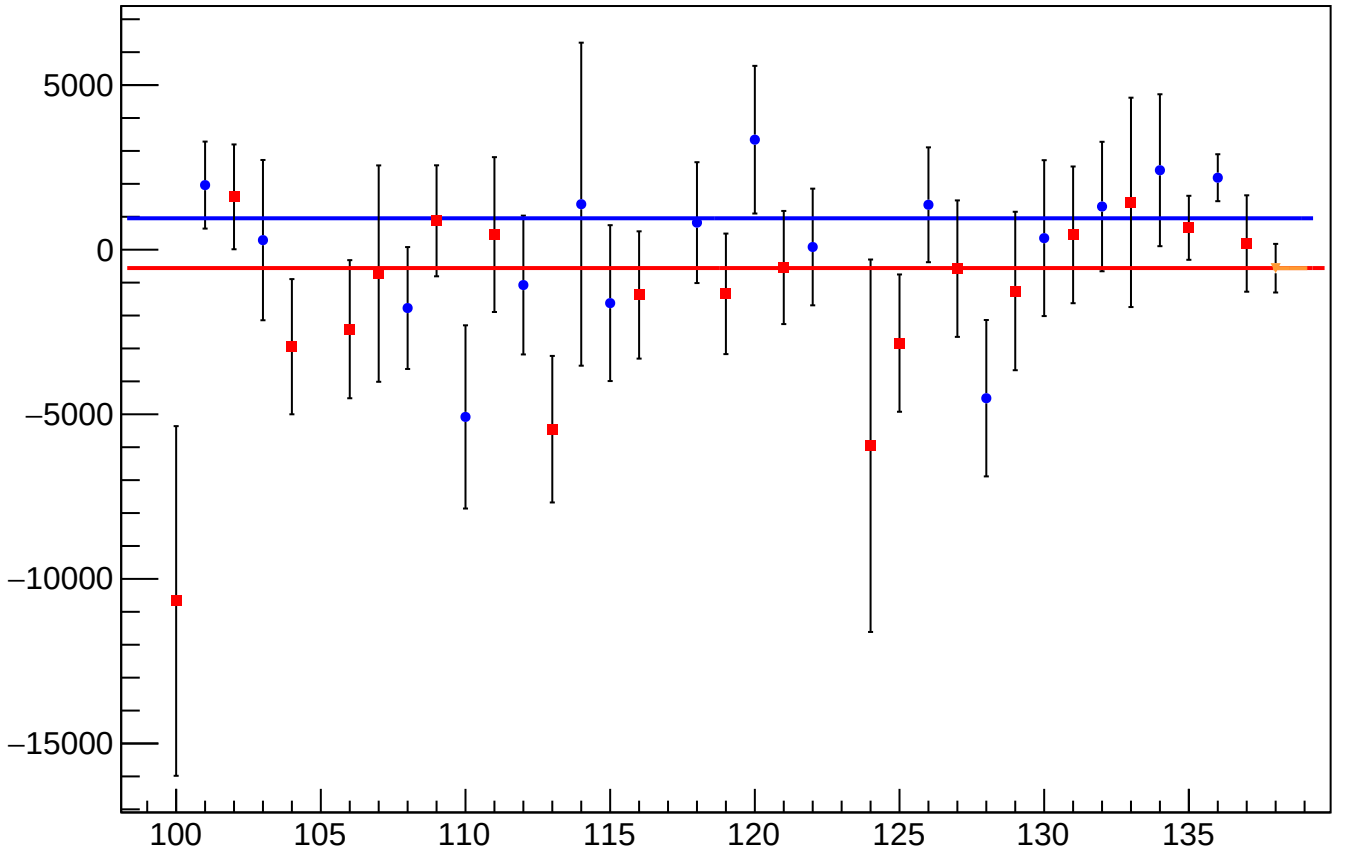
Left: 1275.395+/-1.021 χ^2/NDF: 0.0/0

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1272.804+/-0.341 χ^2/NDF:519299.6/15

Out: 1283.728+/-0.323 χ^2/NDF:328809.0/19

All: 1278.566+/-0.234 χ^2/NDF: 848649.5/35



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -562.133+/-738.438 χ^2/NDF:0.0/0

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -562.133+/-738.438 χ^2/NDF: 0.0/0

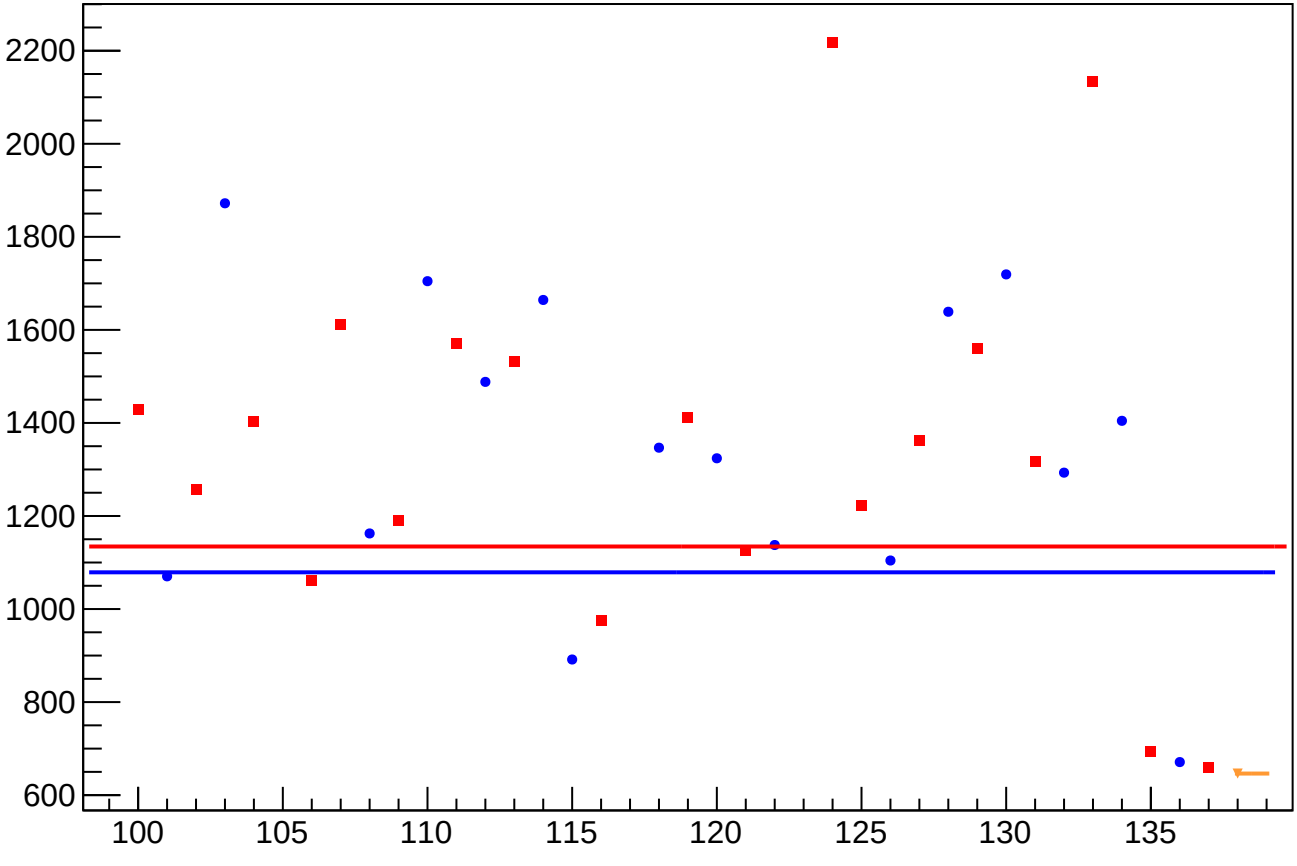
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 954.146+/-425.660 χ^2/NDF:19.9/15

Out: -559.038+/-378.467 χ^2/NDF:18.4/19

All: 109.052+/-282.836 χ^2/NDF: 45.3/35

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: 646.391+/-0.522 χ^2/NDF:0.0/0

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

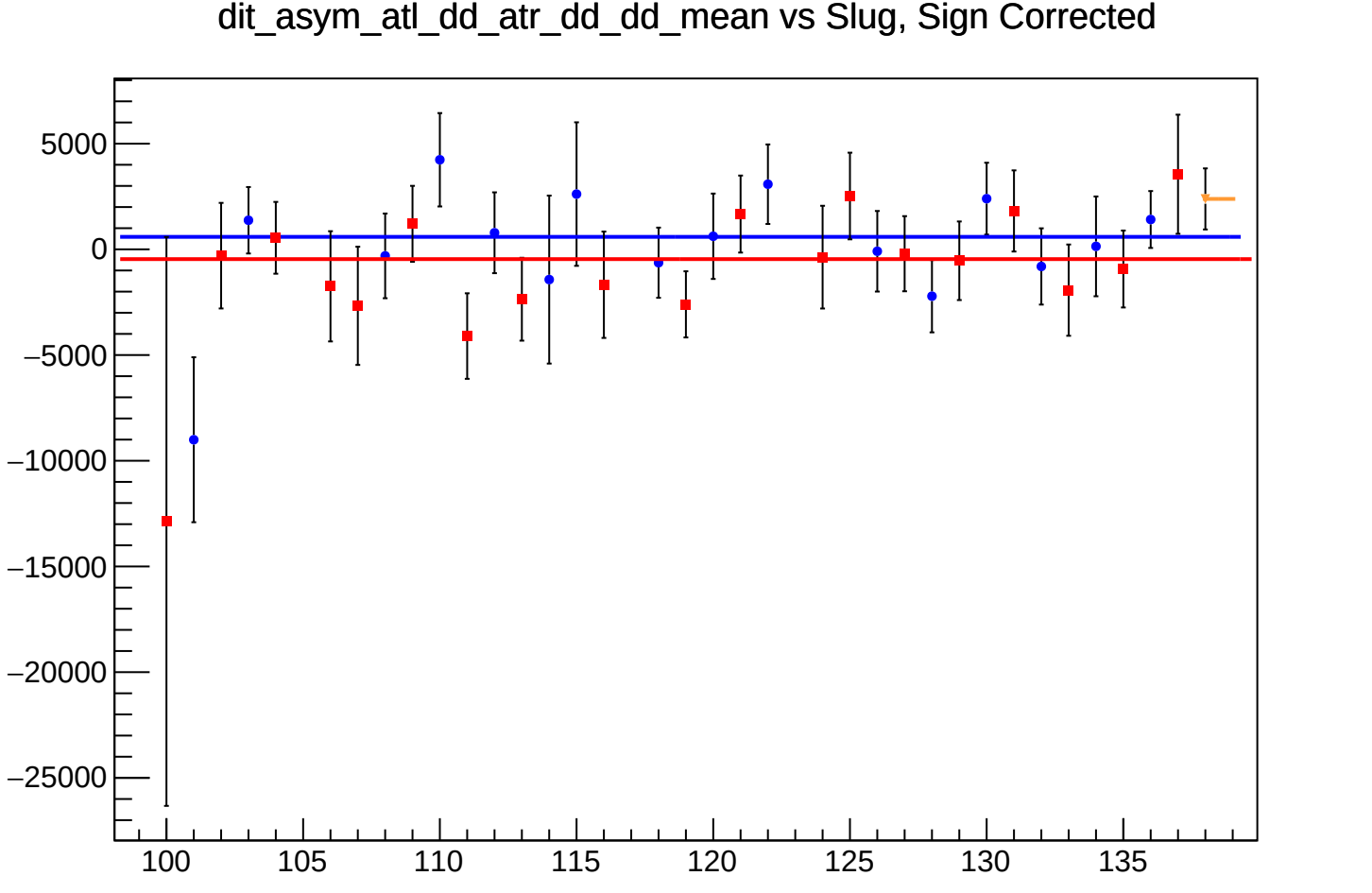
Left: 646.391+/-0.522 χ^2/NDF: 0.0/0

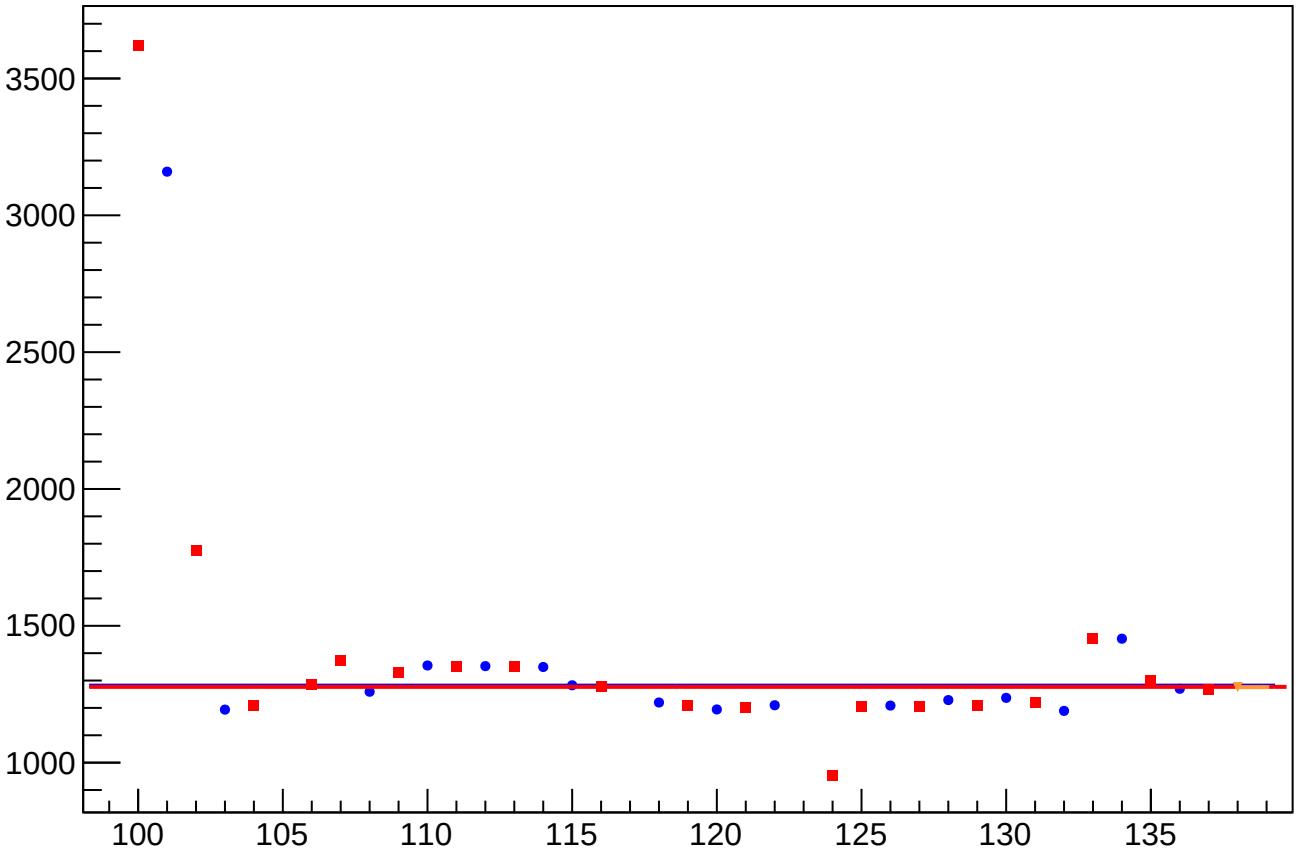
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 1078.932+/-0.301 χ^2/NDF:1478719.9/15

Out: 1006.230+/-0.268 χ^2/NDF:1933014.7/19

All: 1038.329+/-0.200 χ^2/NDF: 3444318.8/35


dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: 2384.217+/-1444.310 χ²/NDF:0.0/0
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 2384.217+/-1444.310 χ²/NDF: 0.0/0
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 590.322+/-485.483 χ²/NDF:17.1/15
Out: -182.850+/-452.762 χ²/NDF:20.2/19
All: 176.805+/-331.115 χ²/NDF: 38.7/35



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1275.911+/-1.021 χ^2/NDF:0.0/0

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

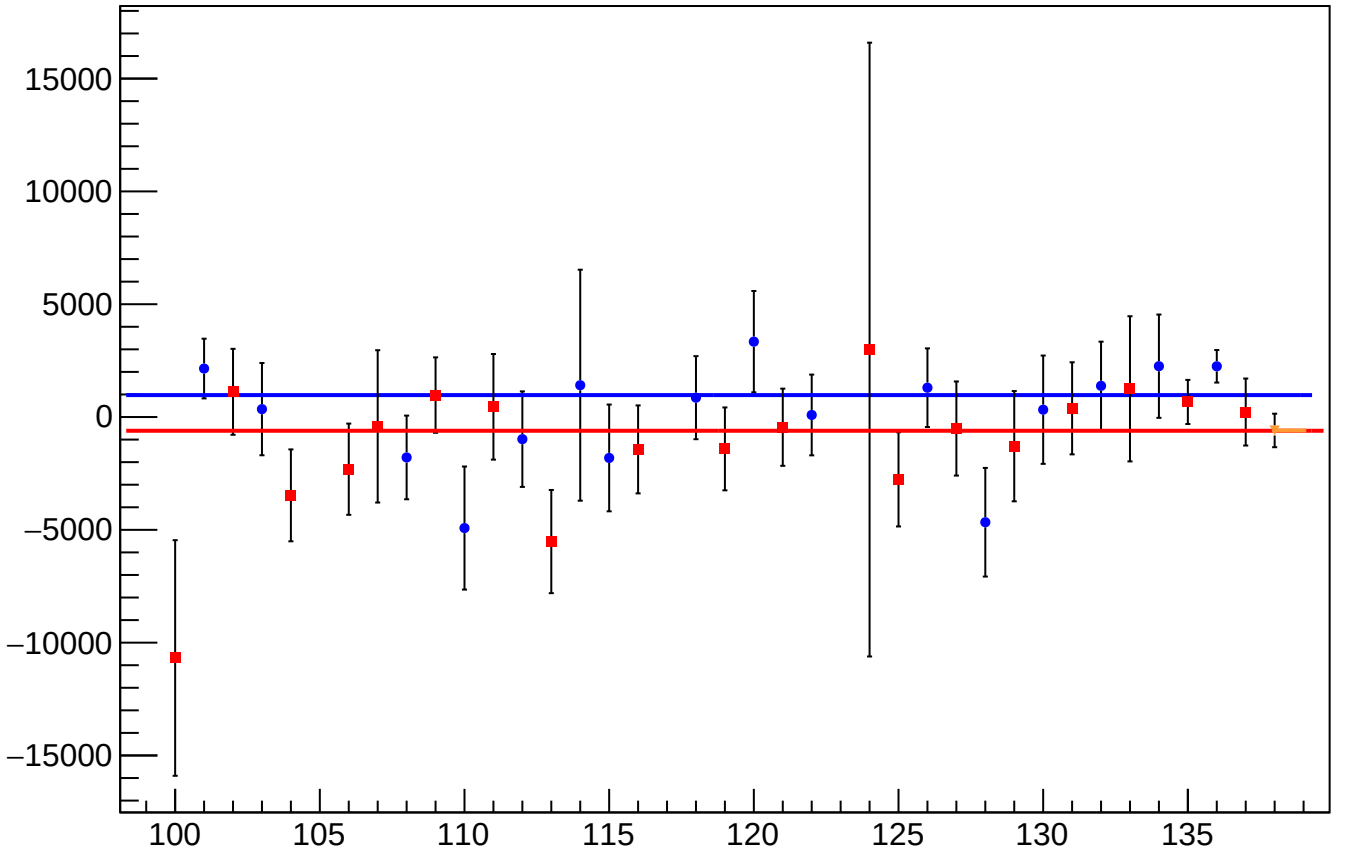
Left: 1275.911+/-1.021 χ^2/NDF: 0.0/0

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1281.369+/-0.343 χ^2/NDF:507078.4/15

Out: 1276.767+/-0.320 χ^2/NDF:220514.4/19

All: 1278.908+/-0.234 χ^2/NDF: 727688.9/35



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: -594.940+/-742.591 χ^2/NDF:0.0/0

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

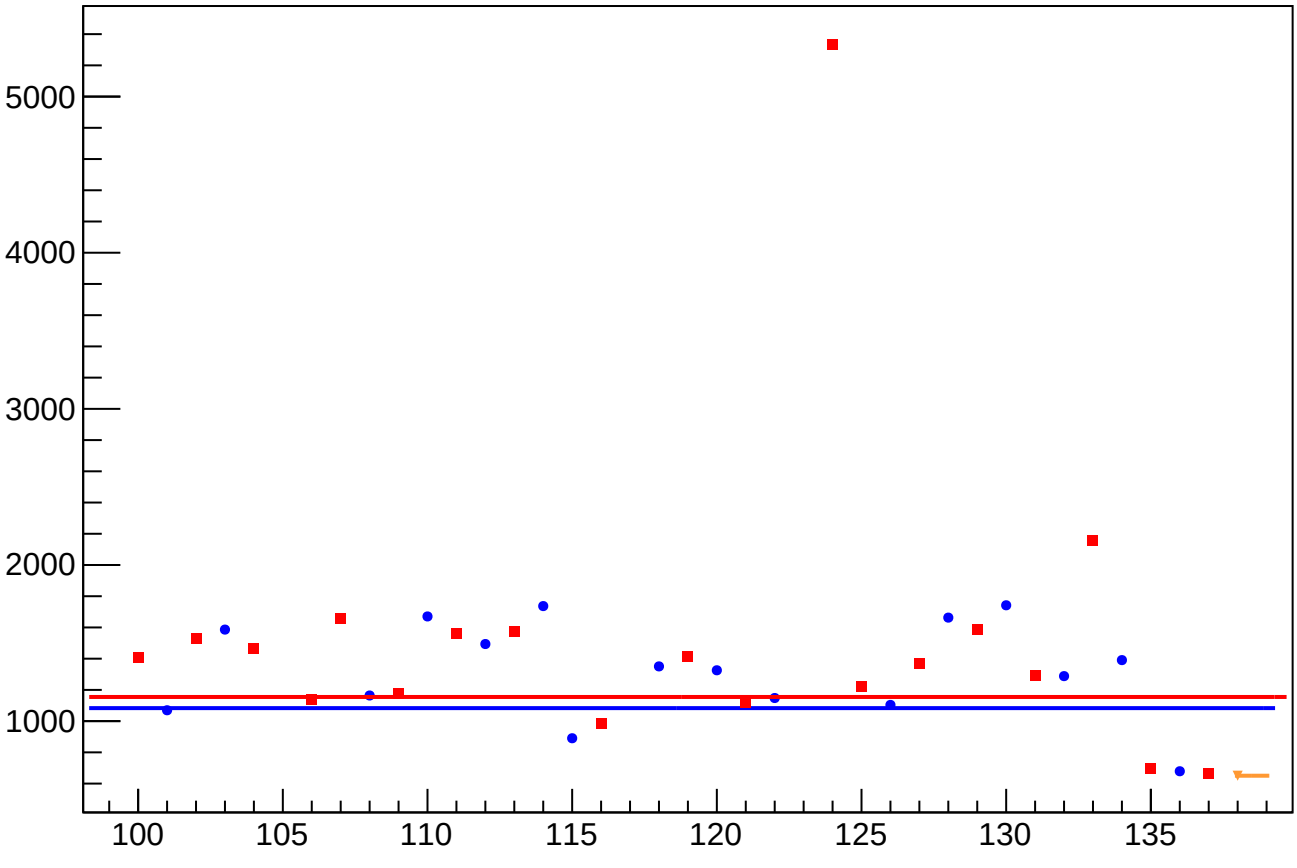
Left: -594.940+/-742.591 χ^2/NDF: 0.0/0

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 972.287+/-425.219 χ^2/NDF:20.4/15

Out: -604.834+/-383.431 χ^2/NDF:17.1/19

All: 102.445+/-284.758 χ^2/NDF: 45.2/35



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 650.391+/-0.525 χ^2/NDF:0.0/0

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

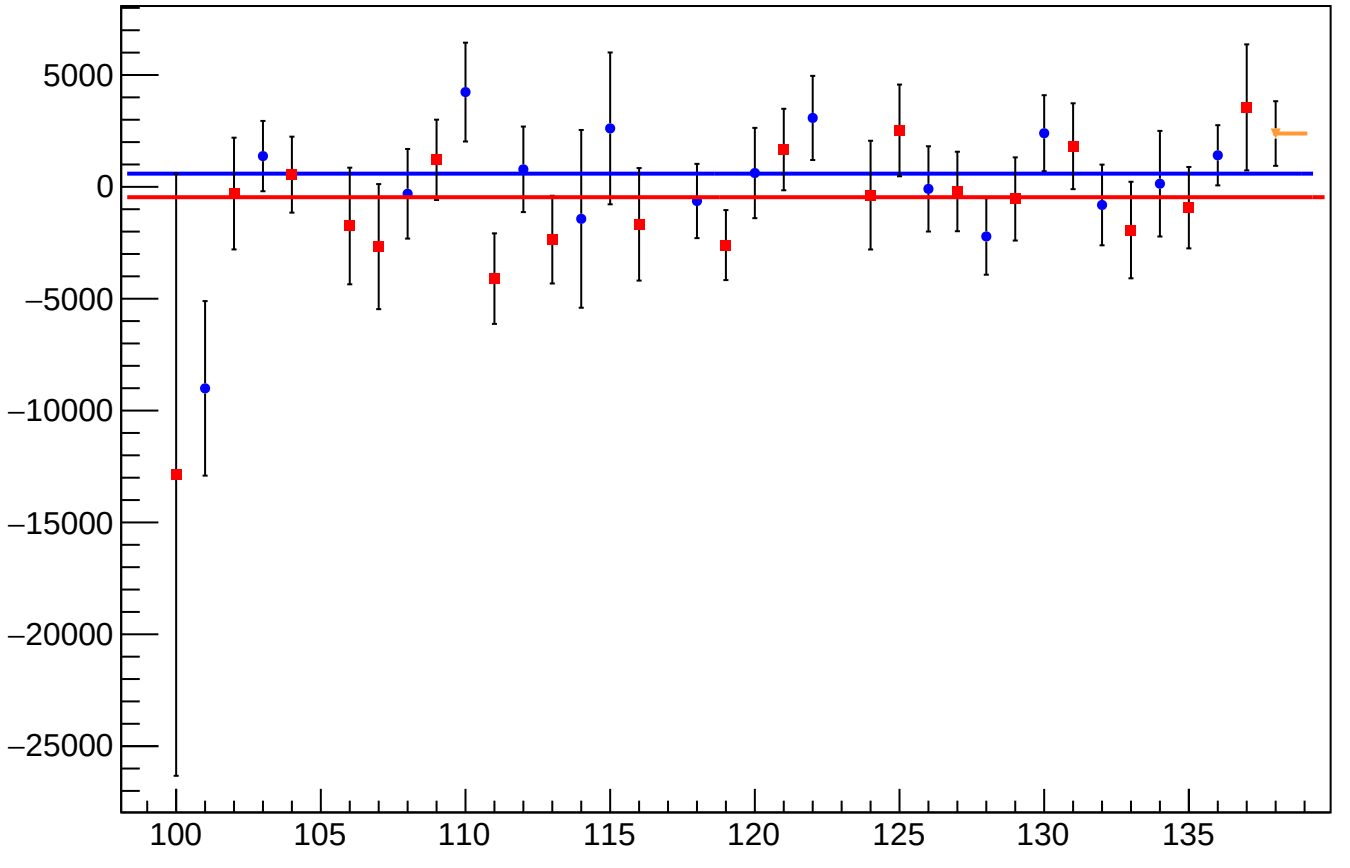
Left: 650.391+/-0.525 χ^2/NDF: 0.0/0

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 1083.335+/-0.301 χ^2/NDF:1360153.3/15

Out: 1020.264+/-0.271 χ^2/NDF:2164855.7/19

All: 1048.549+/-0.201 χ^2/NDF: 3549276.8/35



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: 2384.200+/-1444.310 χ^2/NDF:0.0/0

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

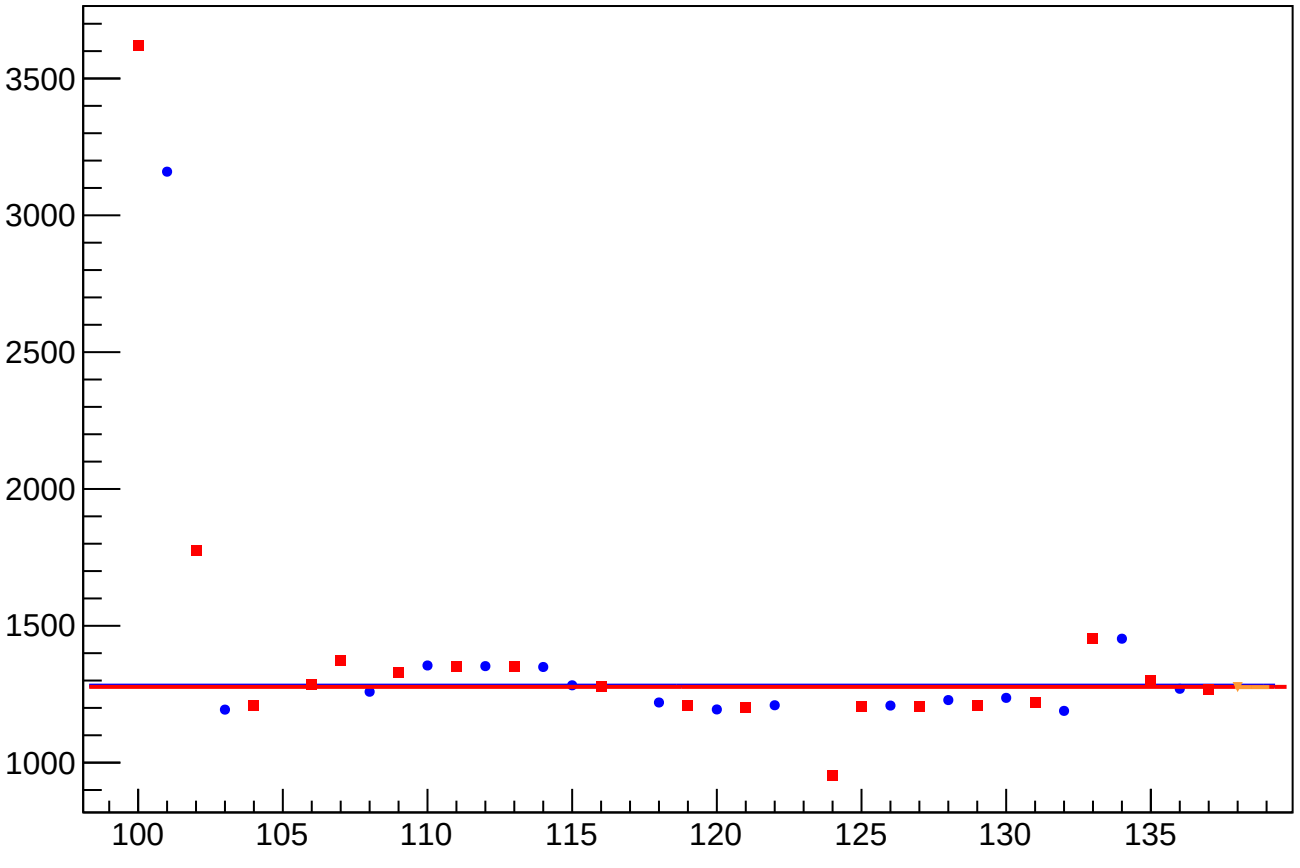
Left: 2384.200+/-1444.310 χ^2/NDF: 0.0/0

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 590.323+/-485.483 χ^2/NDF:17.1/15

Out: -182.850+/-452.762 χ^2/NDF:20.2/19

All: 176.805+/-331.115 χ^2/NDF: 38.7/35



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1275.911+/-1.021 χ^2/NDF:0.0/0

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

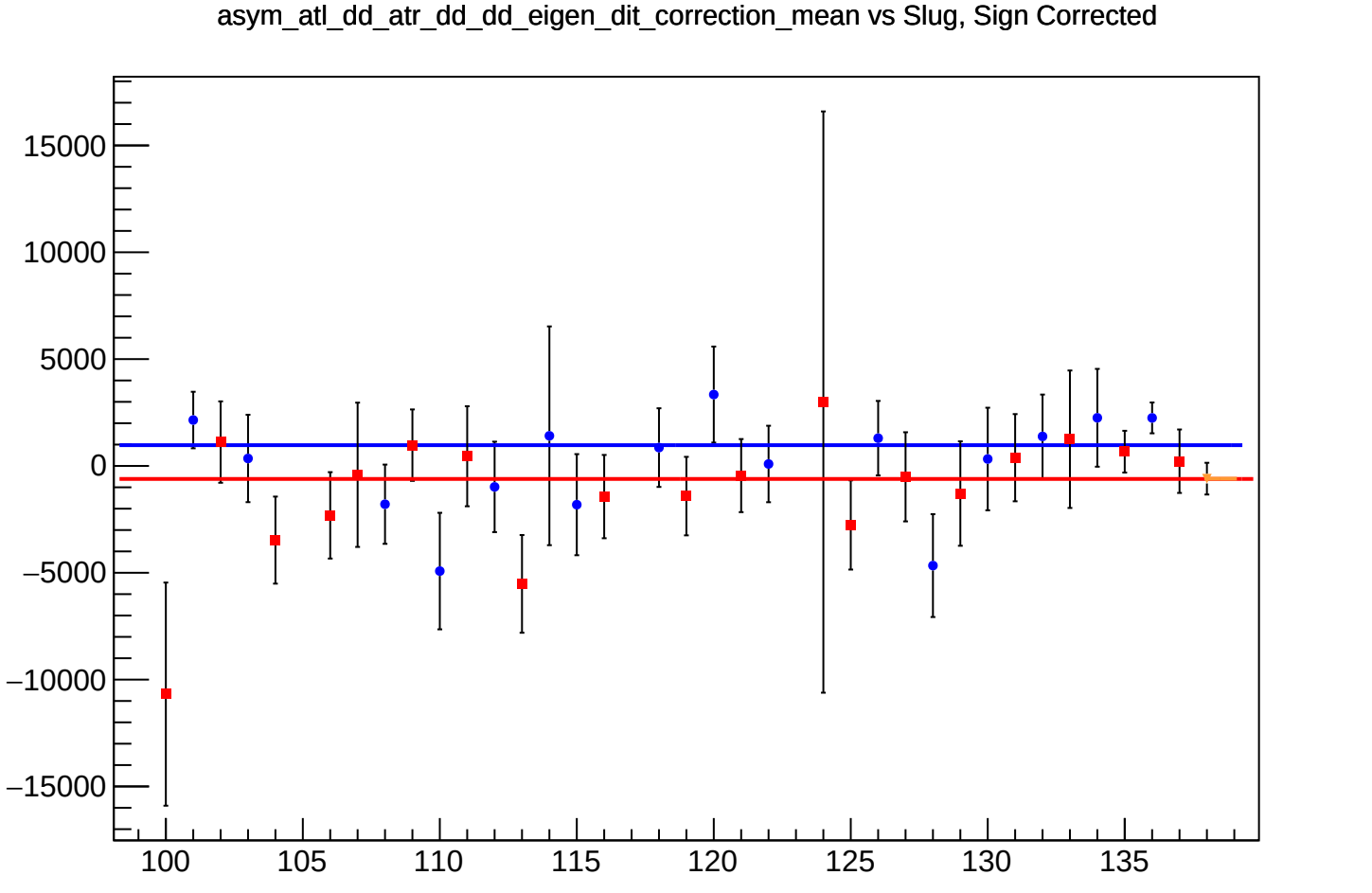
Left: 1275.911+/-1.021 χ^2/NDF: 0.0/0

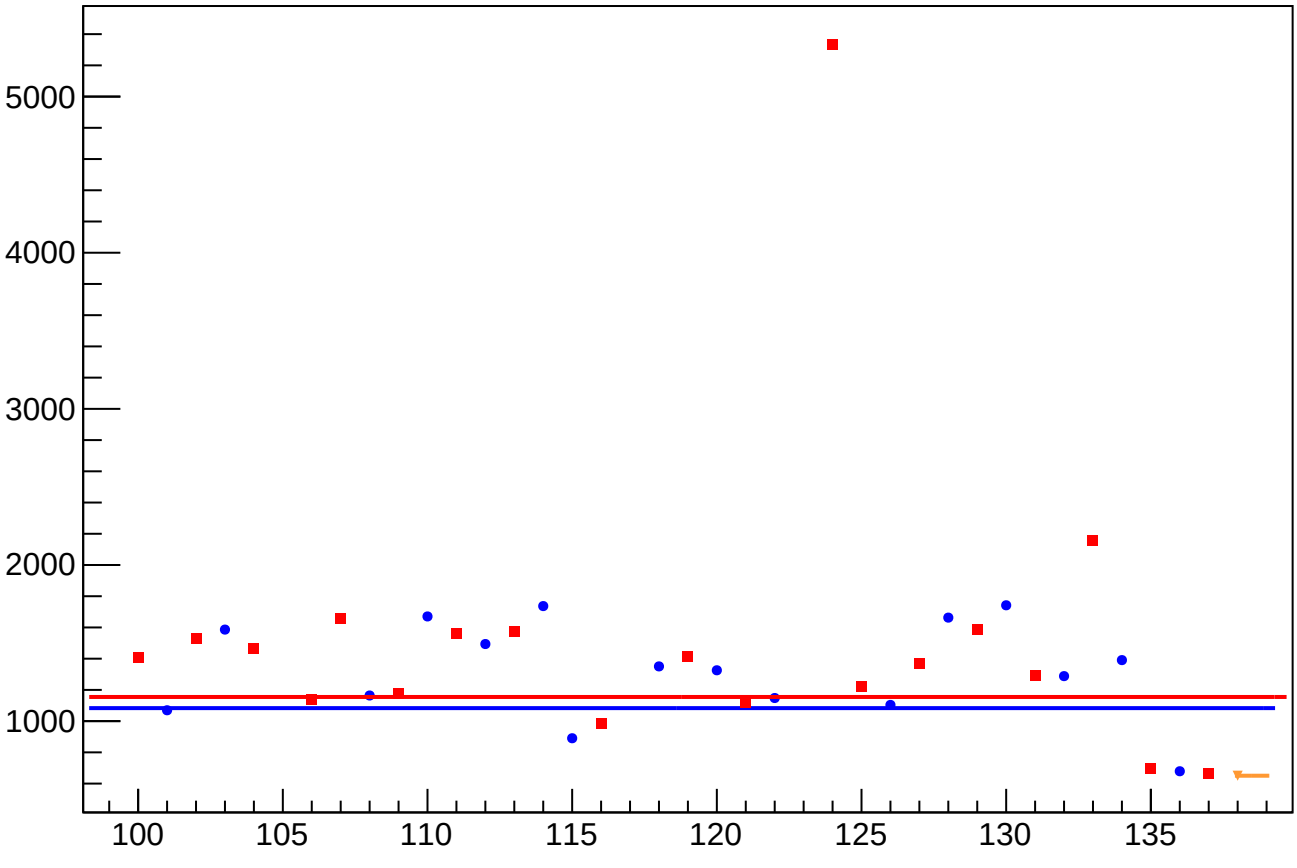
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1281.369+/-0.343 χ^2/NDF:507078.6/15

Out: 1276.767+/-0.320 χ^2/NDF:220514.3/19

All: 1278.907+/-0.234 χ^2/NDF: 727689.0/35


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
Right In: 972.281+/-425.220 χ²/NDF: 20.4/15
Left Out: -594.955+/-742.606 χ²/NDF:0.0/0
Right Out: -608.441+/-447.736 χ²/NDF: 17.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -594.955+/-742.606 χ²/NDF: 0.0/0
Right: 222.664+/-308.329 χ²/NDF: 44.1/34
In: 972.281+/-425.220 χ²/NDF:20.4/15
Out: -604.845+/-383.435 χ²/NDF:17.1/19
All: 102.440+/-284.759 χ²/NDF: 45.2/35



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 650.404+/-0.525 χ^2/NDF:0.0/0

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

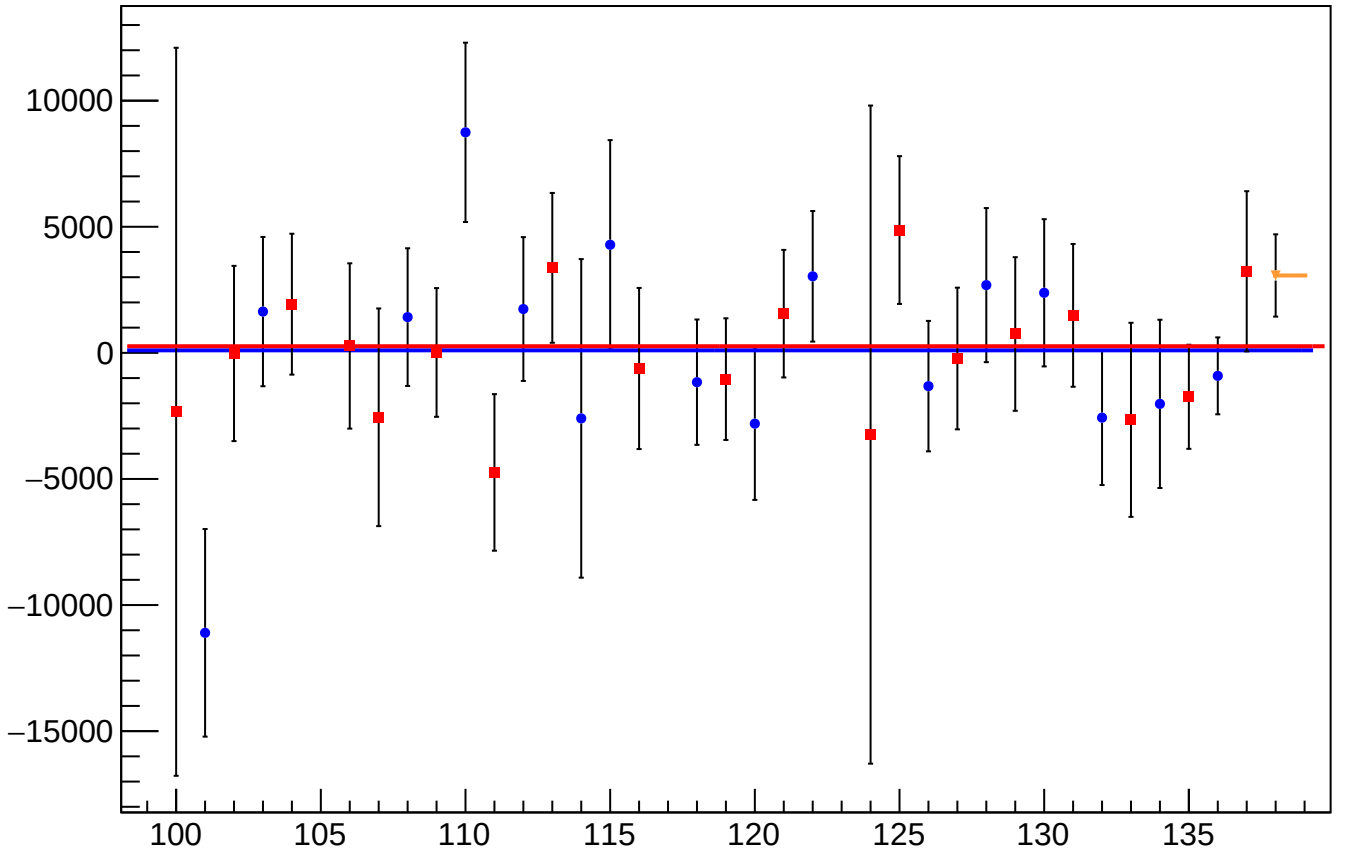
Left: 650.404+/-0.525 χ^2/NDF: 0.0/0

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 1083.341+/-0.301 χ^2/NDF:1360095.7/15

Out: 1020.276+/-0.271 χ^2/NDF:2164767.5/19

All: 1048.558+/-0.201 χ^2/NDF: 3549126.7/35



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: 3069.028+/-1631.453 χ^2/NDF:0.0/0

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3069.028+/-1631.453 χ^2/NDF: 0.0/0

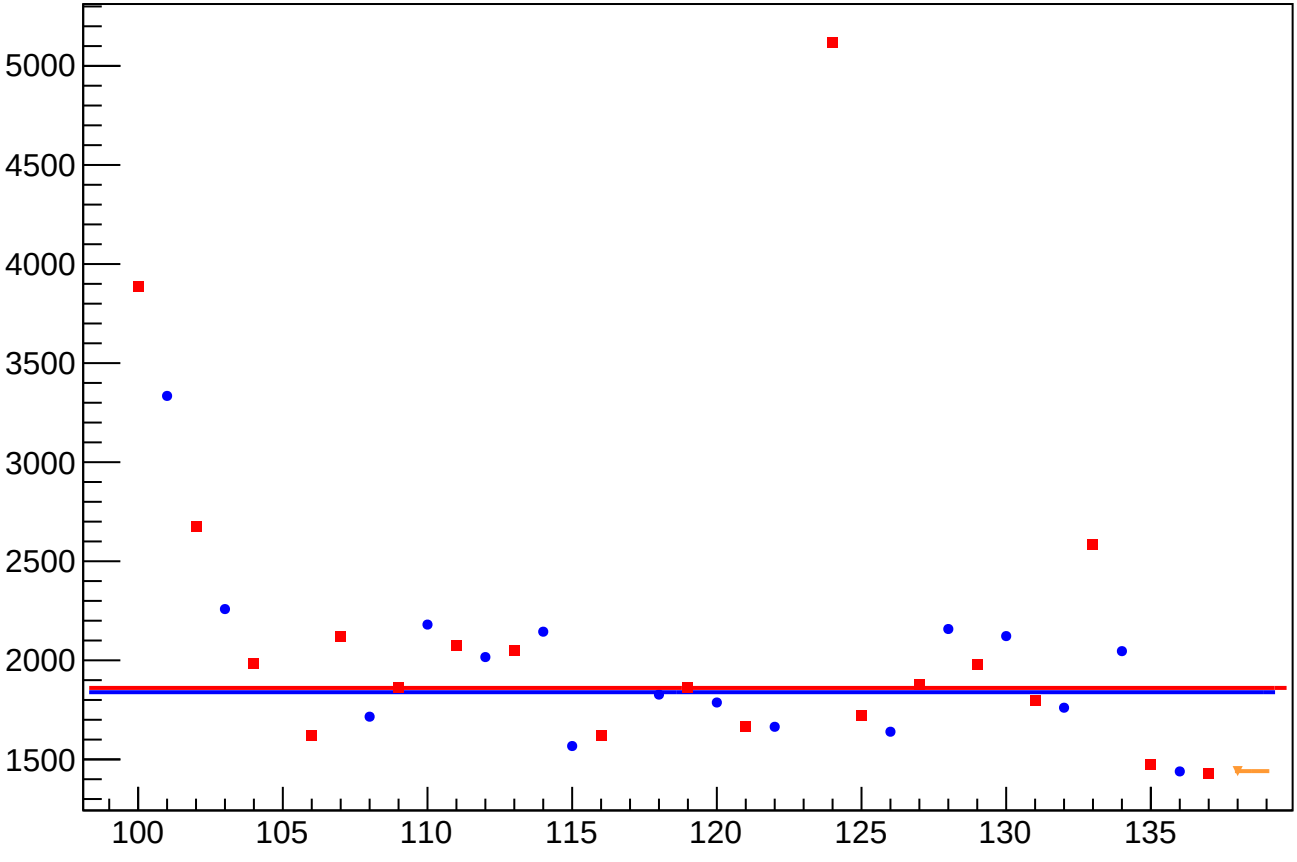
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 100.451+/-698.983 χ^2/NDF:21.3/15

Out: 698.749+/-643.072 χ^2/NDF:12.8/19

All: 424.482+/-473.254 χ^2/NDF: 34.5/35

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1440.854+/-1.154 χ^2/NDF:0.0/0

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

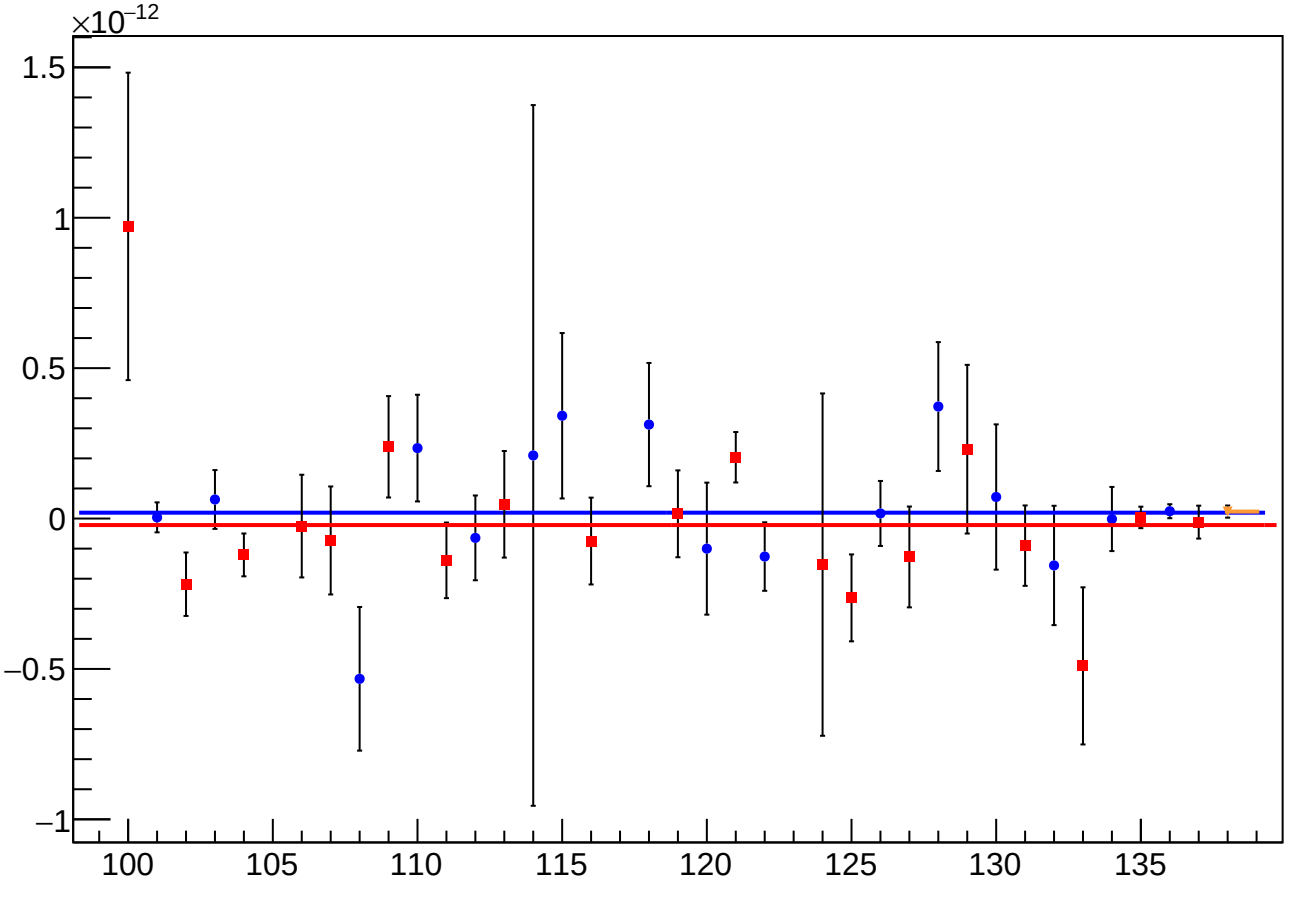
Left: 1440.854+/-1.154 χ^2/NDF: 0.0/0

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1839.113+/-0.494 χ^2/NDF:556725.4/15

Out: 1795.515+/-0.455 χ^2/NDF:634016.9/19

All: 1815.501+/-0.335 χ^2/NDF: 1194956.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

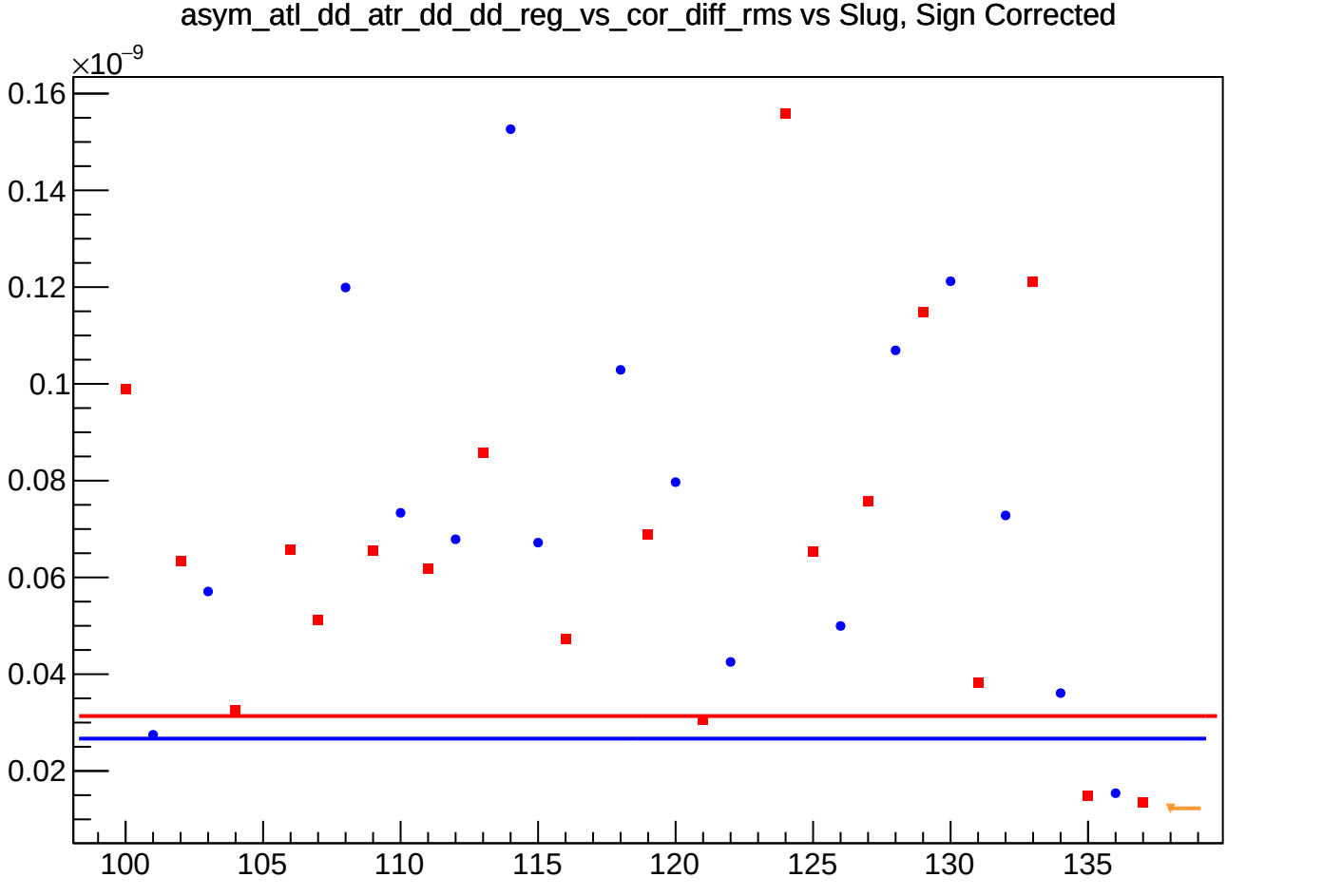
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

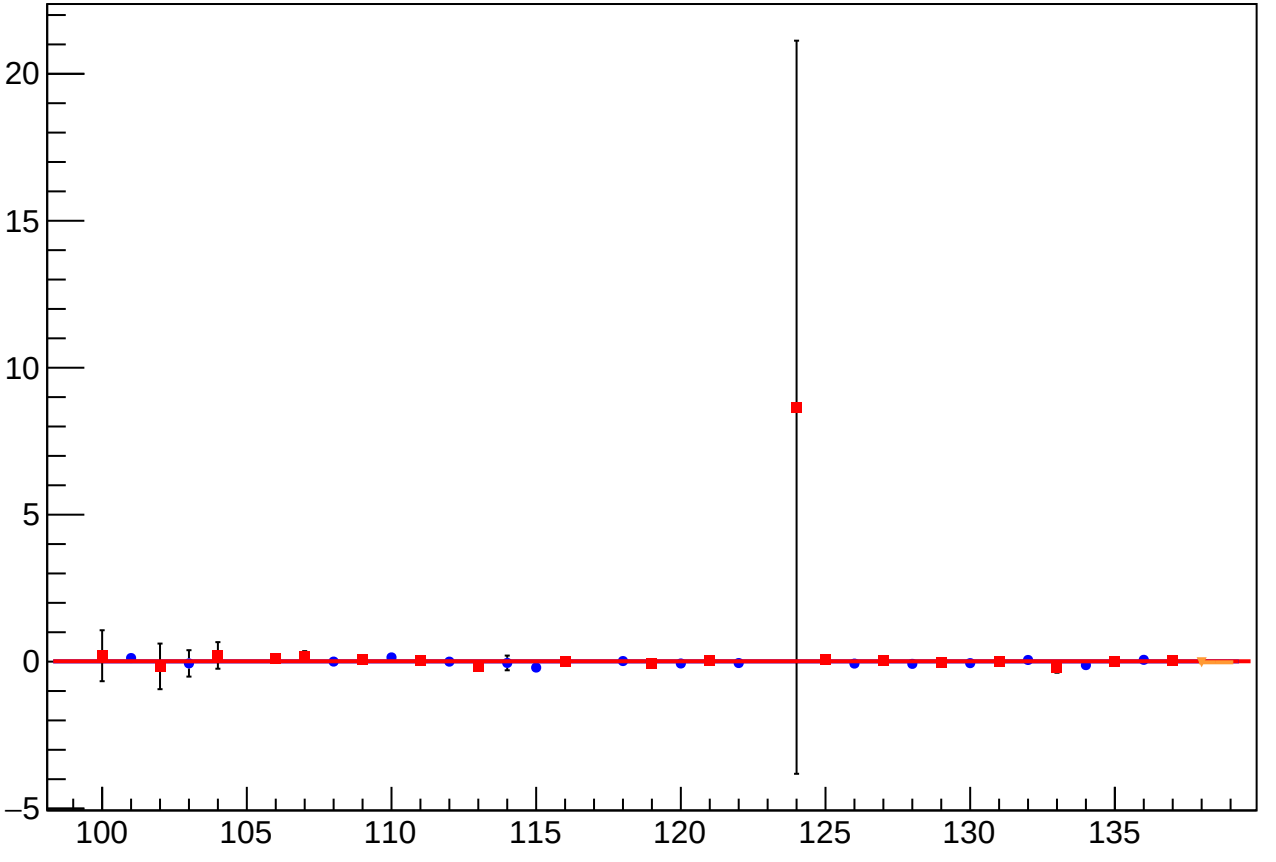
In: 0.000+/-0.000 χ^2/NDF:16.5/15

Out: 0.000+/-0.000 χ^2/NDF:30.4/19

All: 0.000+/-0.000 χ^2/NDF: 47.4/35


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 4906978.5/34
In: 0.000+/-0.000 χ²/NDF:2580672.1/15
Out: 0.000+/-0.000 χ²/NDF:3079693.0/19
All: 0.000+/-0.000 χ²/NDF: 5777772.9/35

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: -0.023+/-0.029 χ^2/NDF:0.0/0

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.023+/-0.029 χ^2/NDF: 0.0/0

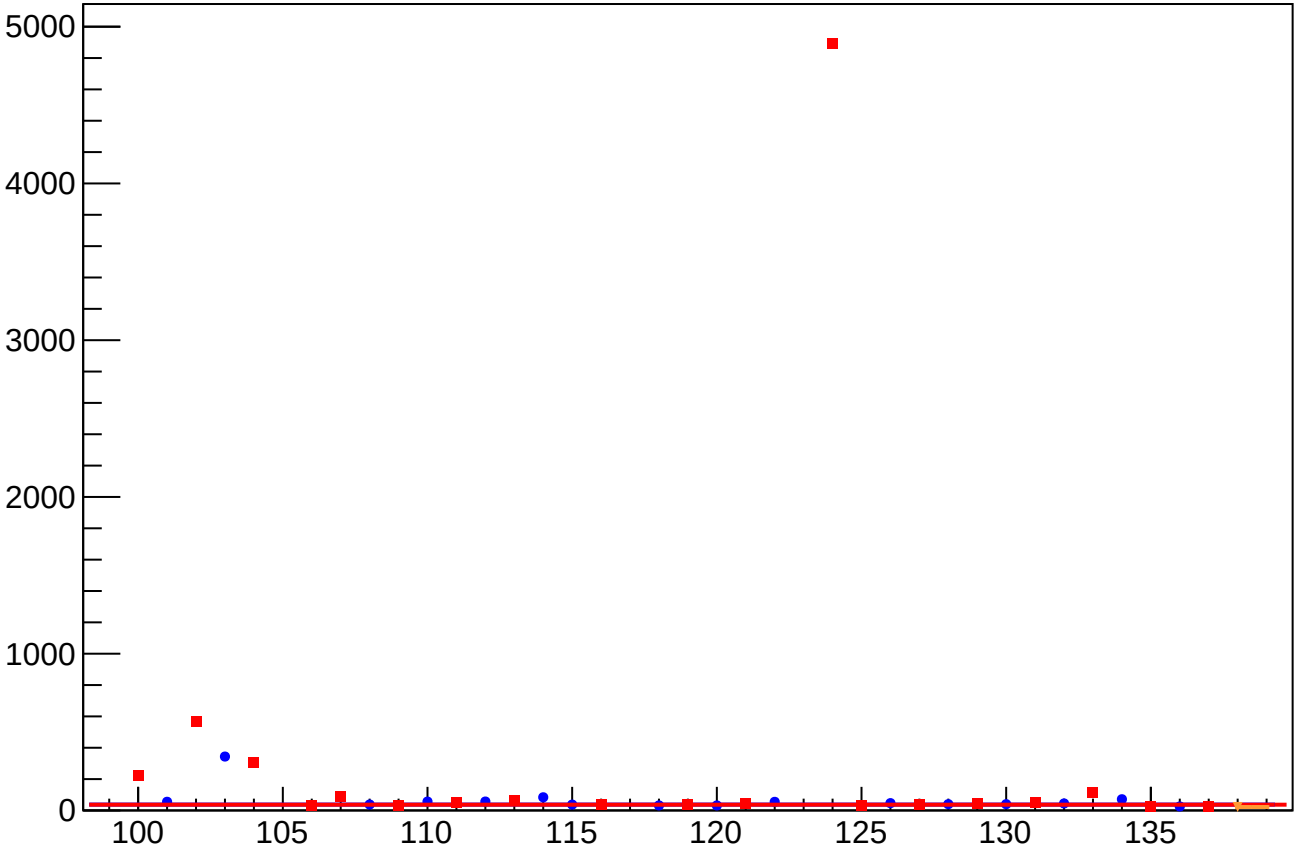
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.008+/-0.016 χ^2/NDF:19.3/15

Out: 0.004+/-0.014 χ^2/NDF:13.7/19

All: 0.006+/-0.011 χ^2/NDF: 33.0/35

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: 21.952+/-0.020 χ^2/NDF:0.0/0

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 21.952+/-0.020 χ^2/NDF: 0.0/0

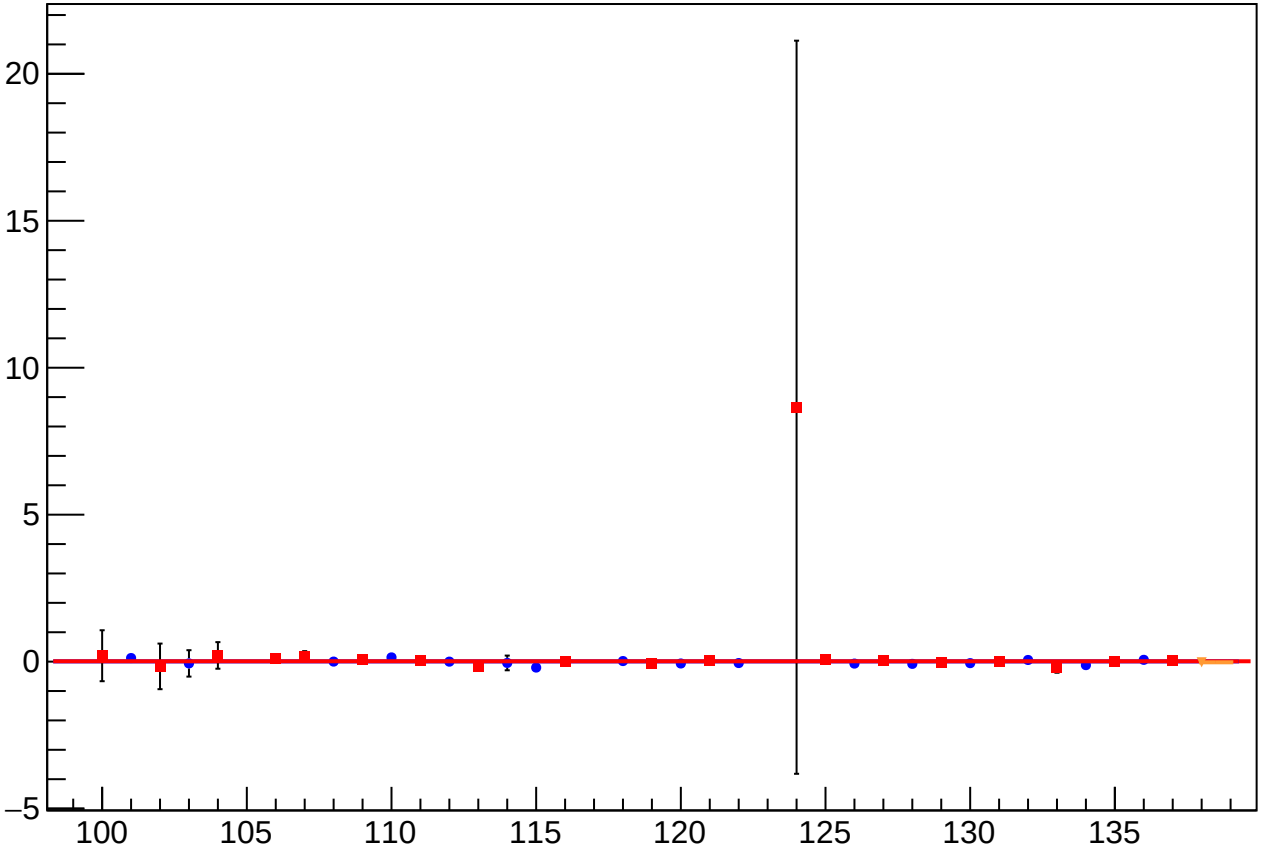
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.494+/-0.011 χ^2/NDF:1983275.6/15

Out: 33.042+/-0.010 χ^2/NDF:3590339.6/19

All: 35.021+/-0.008 χ^2/NDF: 5658818.2/35

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: -0.023+/-0.029 χ^2/NDF:0.0/0

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.023+/-0.029 χ^2/NDF: 0.0/0

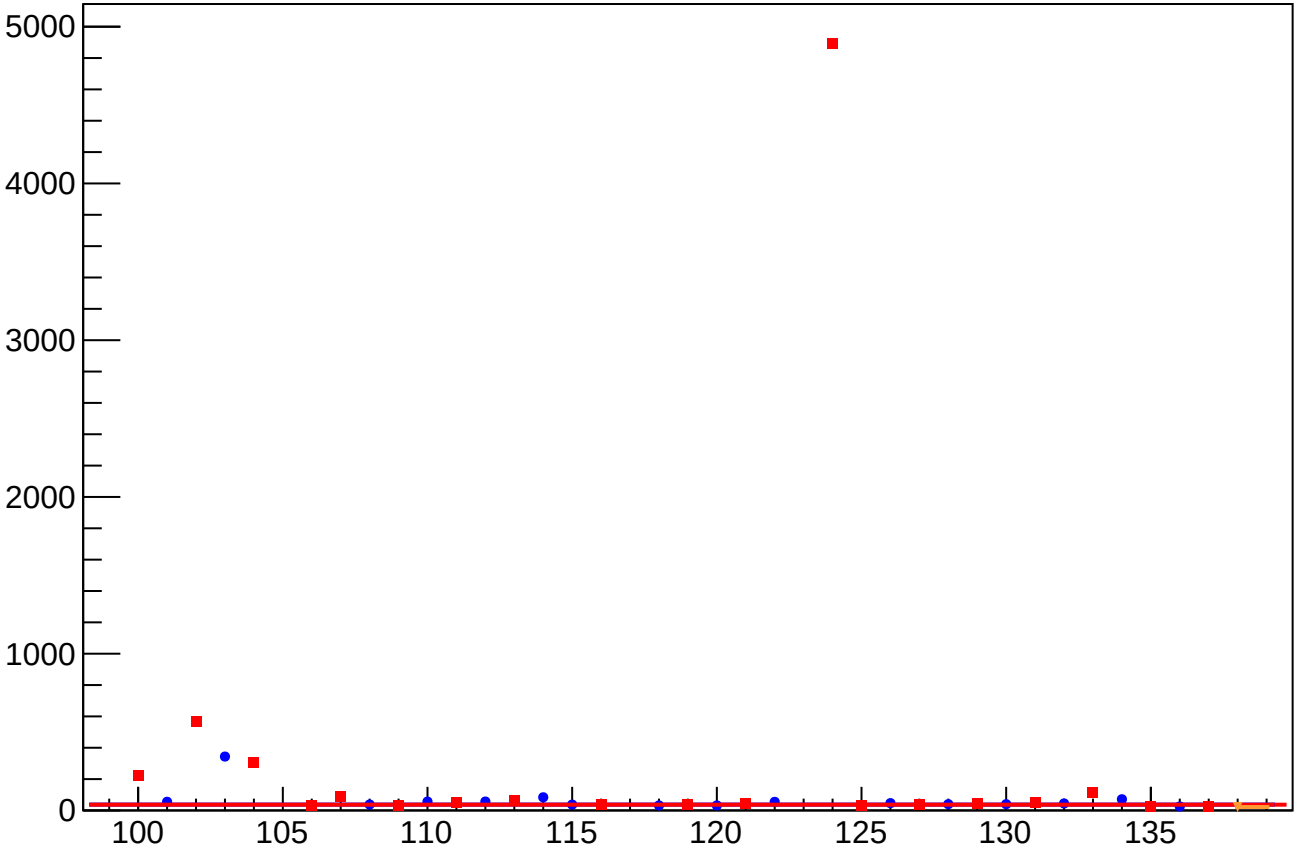
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.008+/-0.016 χ^2/NDF:19.3/15

Out: 0.004+/-0.014 χ^2/NDF:13.7/19

All: 0.006+/-0.011 χ^2/NDF: 33.0/35

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: 21.952+/-0.020 χ^2/NDF:0.0/0

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

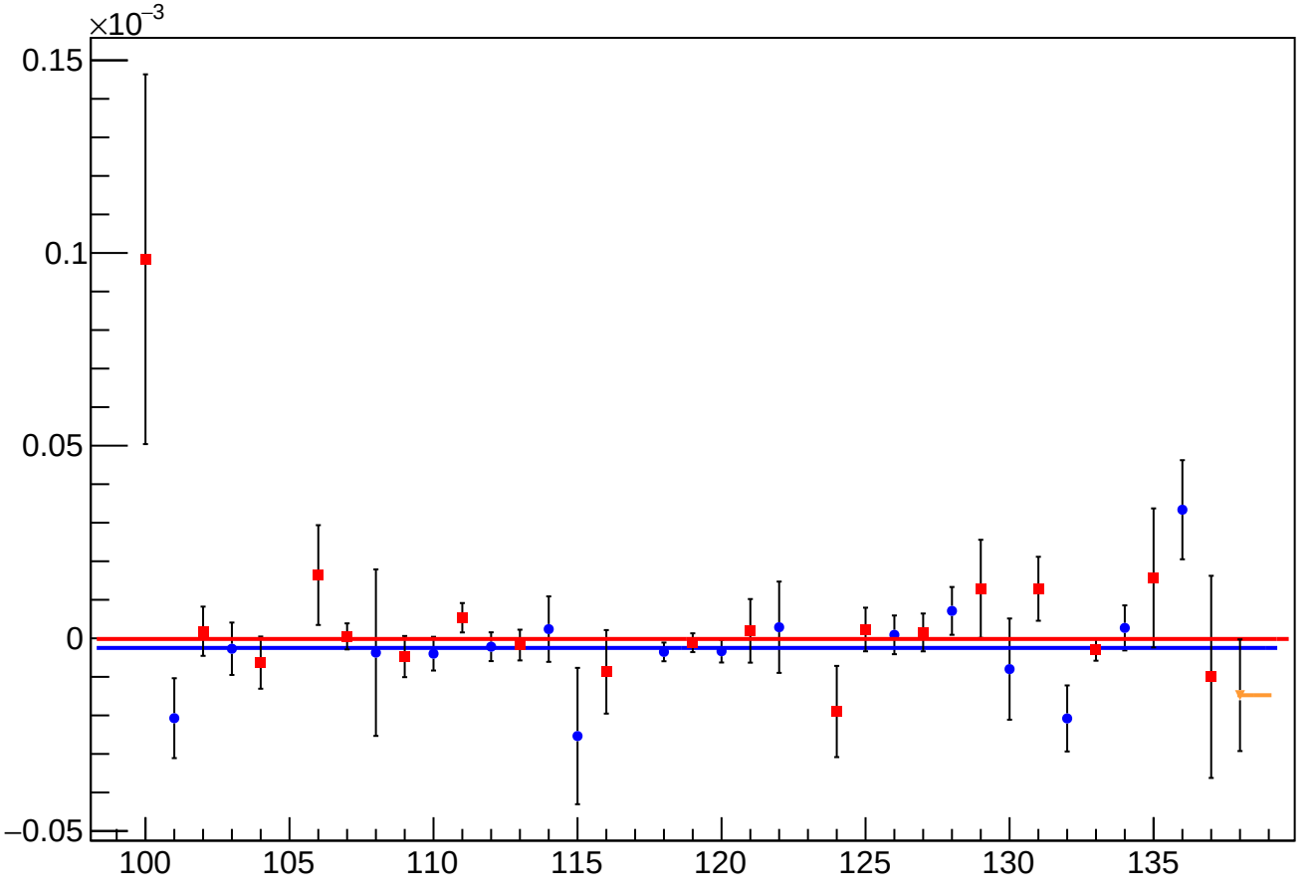
Left: 21.952+/-0.020 χ^2/NDF: 0.0/0

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.494+/-0.011 χ^2/NDF:1983275.6/15

Out: 33.042+/-0.010 χ^2/NDF:3590339.6/19

All: 35.021+/-0.008 χ^2/NDF: 5658818.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

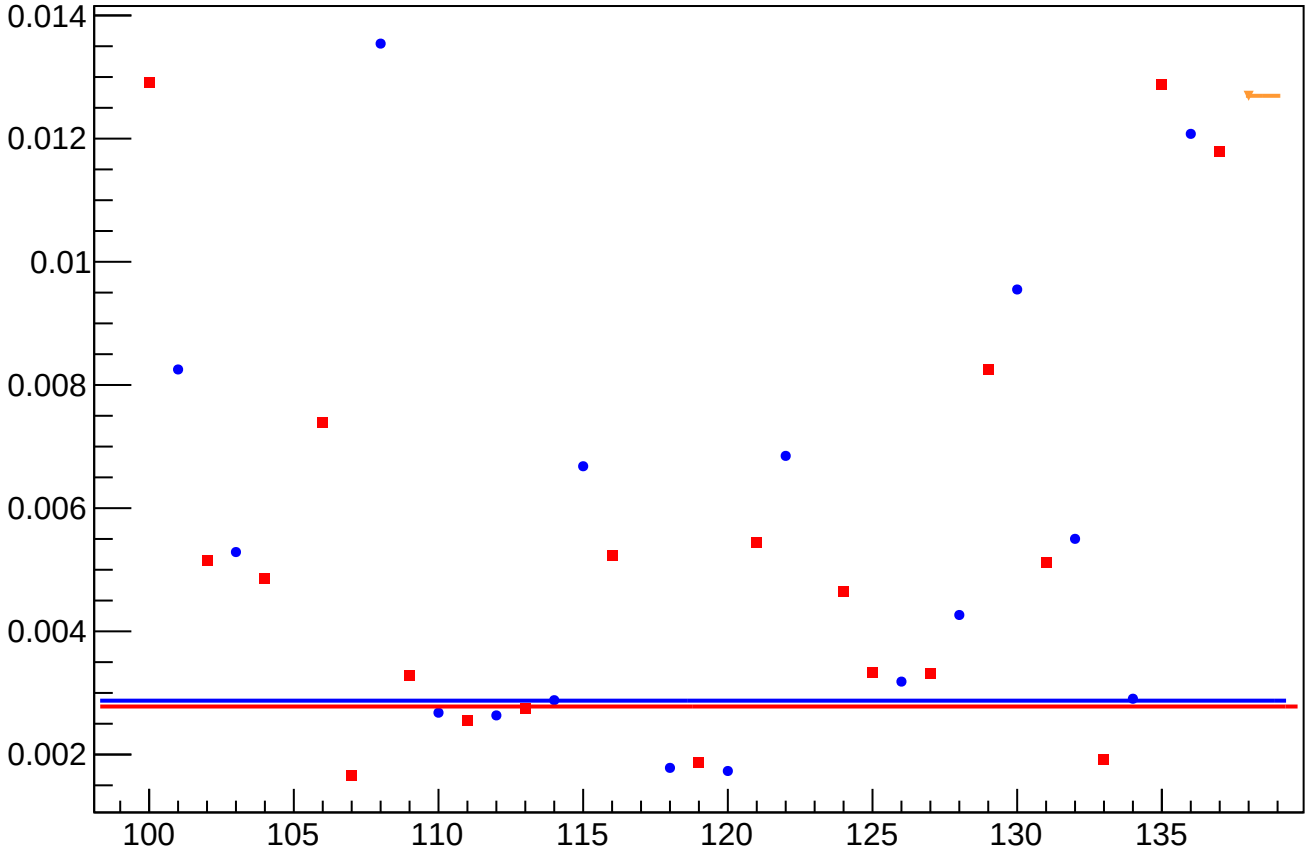
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:21.9/15

Out: -0.000+/-0.000 χ^2/NDF:19.9/19

All: -0.000+/-0.000 χ^2/NDF: 43.3/35



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.000 χ^2/NDF: 0.0/0

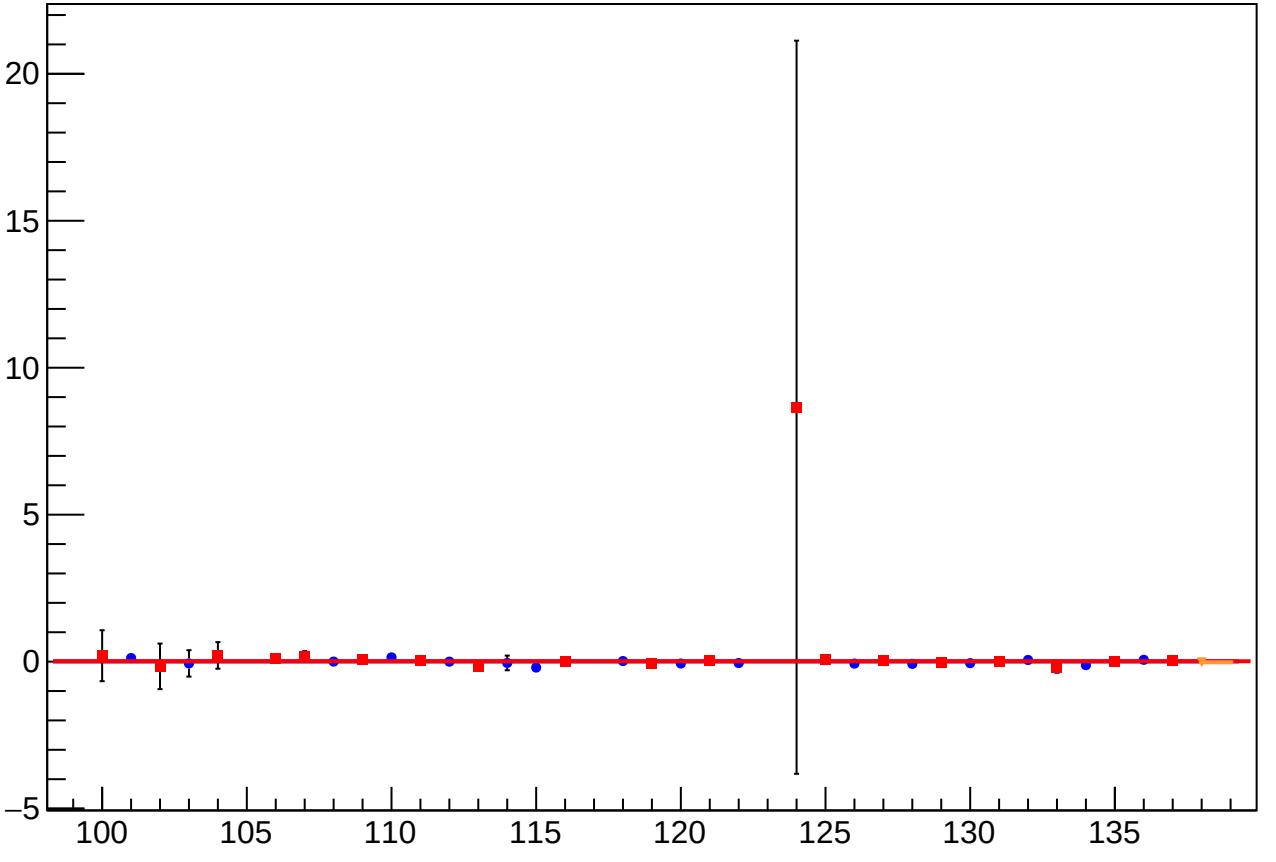
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:4152056.9/15

Out: 0.003+/-0.000 χ^2/NDF:4241292.8/19

All: 0.003+/-0.000 χ^2/NDF: 8393955.8/35

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: -0.023+/-0.029 χ^2/NDF:0.0/0

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.023+/-0.029 χ^2/NDF: 0.0/0

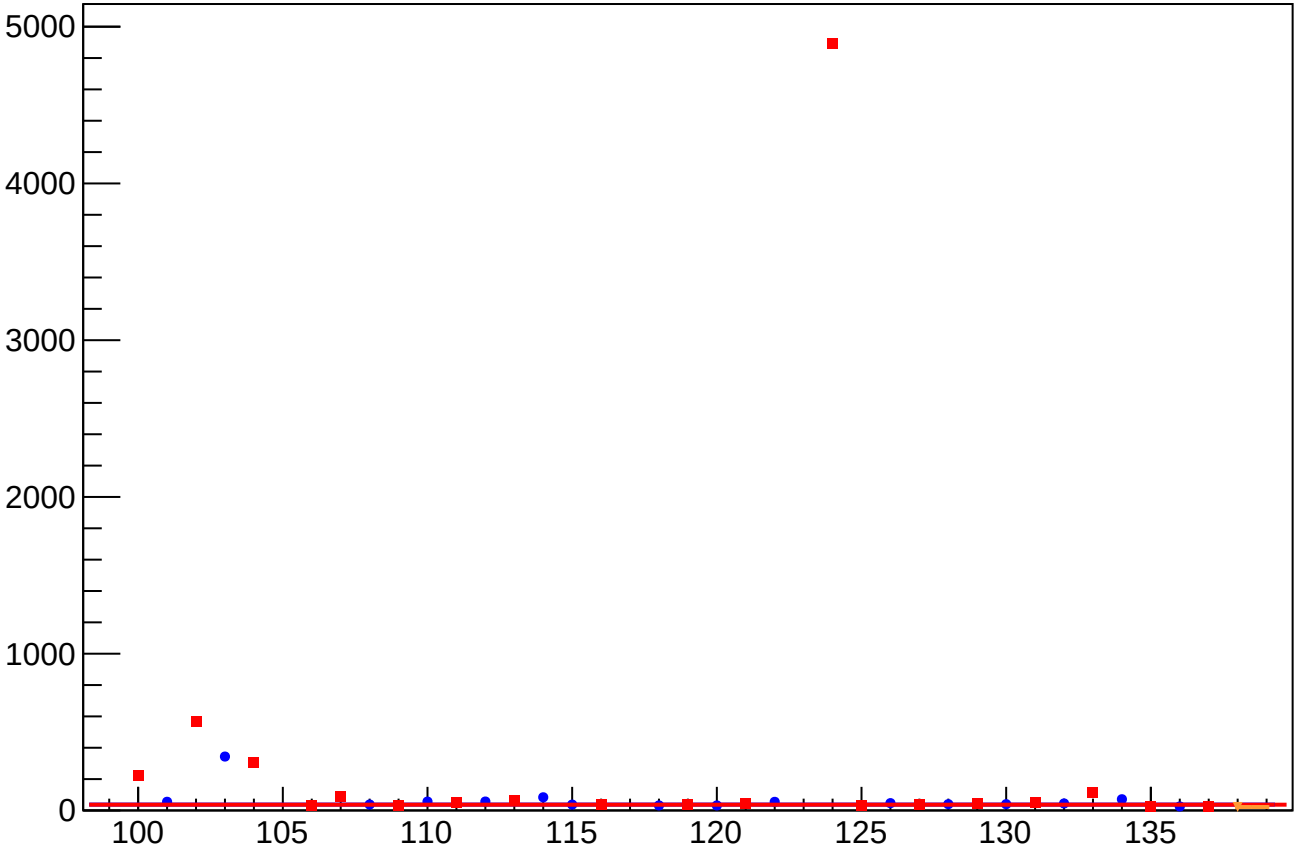
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.008+/-0.016 χ^2/NDF:19.3/15

Out: 0.004+/-0.014 χ^2/NDF:13.7/19

All: 0.006+/-0.011 χ^2/NDF: 33.0/35

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: 21.947+/-0.020 χ^2/NDF:0.0/0

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 21.947+/-0.020 χ^2/NDF: 0.0/0

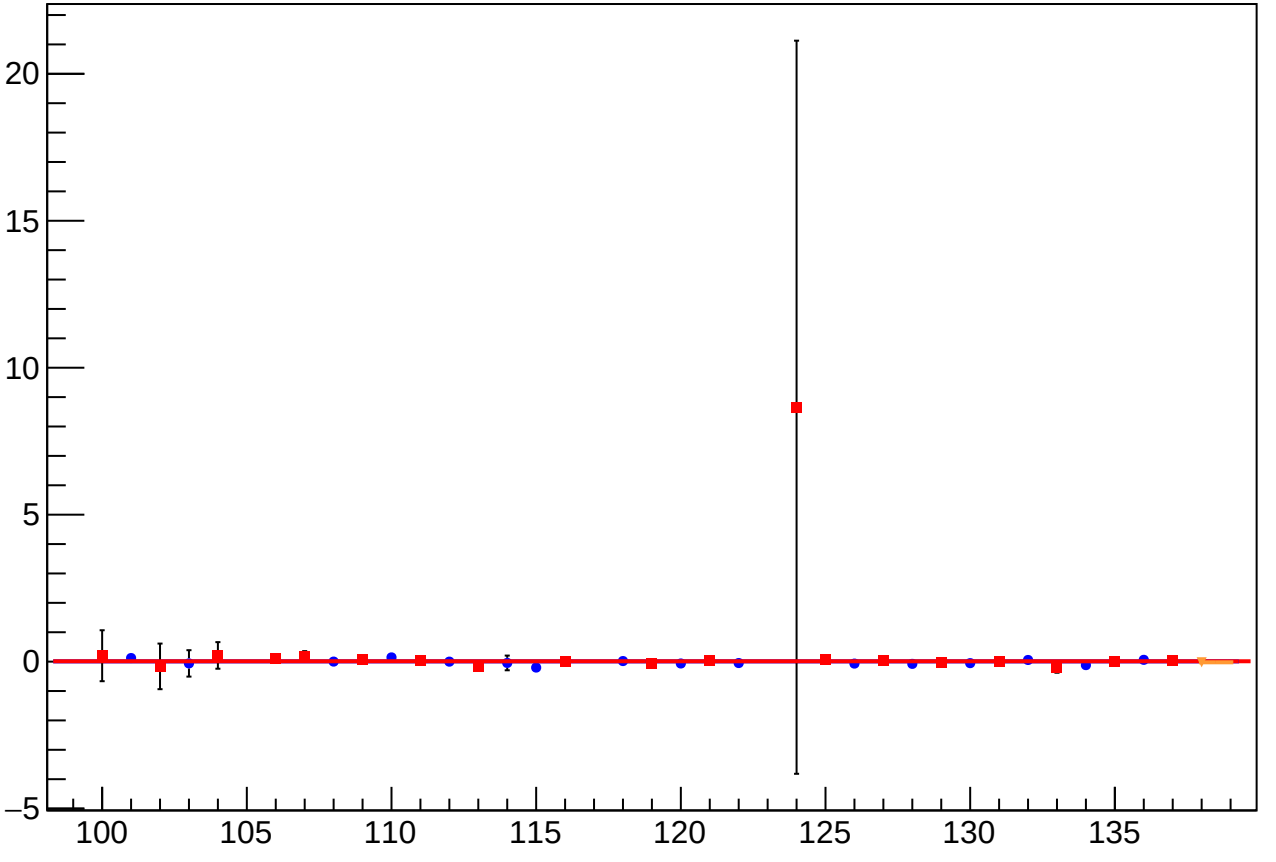
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.495+/-0.011 χ^2/NDF:1983206.3/15

Out: 33.042+/-0.010 χ^2/NDF:3590438.5/19

All: 35.020+/-0.008 χ^2/NDF: 5658892.3/35

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: -0.023+/-0.029 χ^2/NDF:0.0/0

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.023+/-0.029 χ^2/NDF: 0.0/0

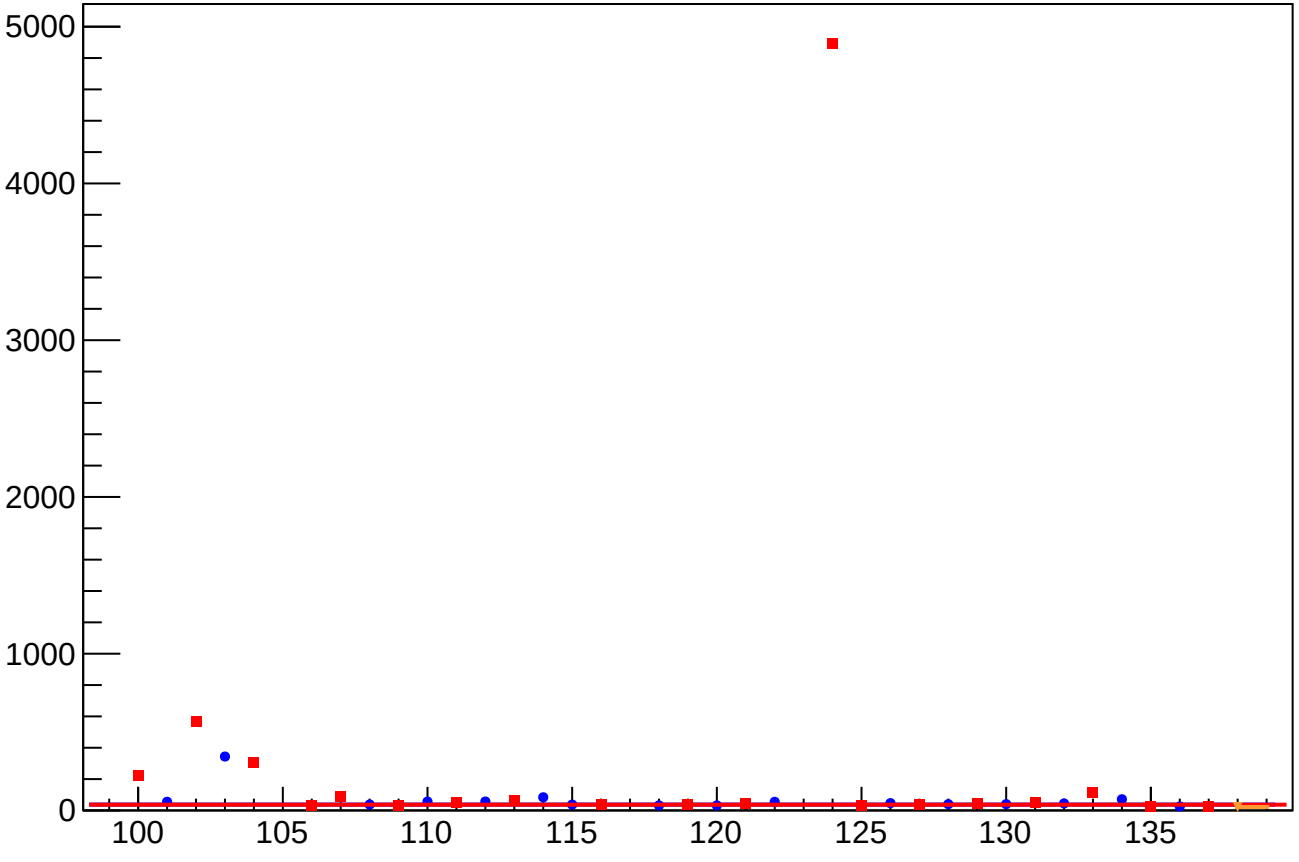
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.008+/-0.016 χ^2/NDF:19.3/15

Out: 0.004+/-0.014 χ^2/NDF:13.7/19

All: 0.006+/-0.011 χ^2/NDF: 33.0/35

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: 21.947+/-0.020 χ^2/NDF:0.0/0

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

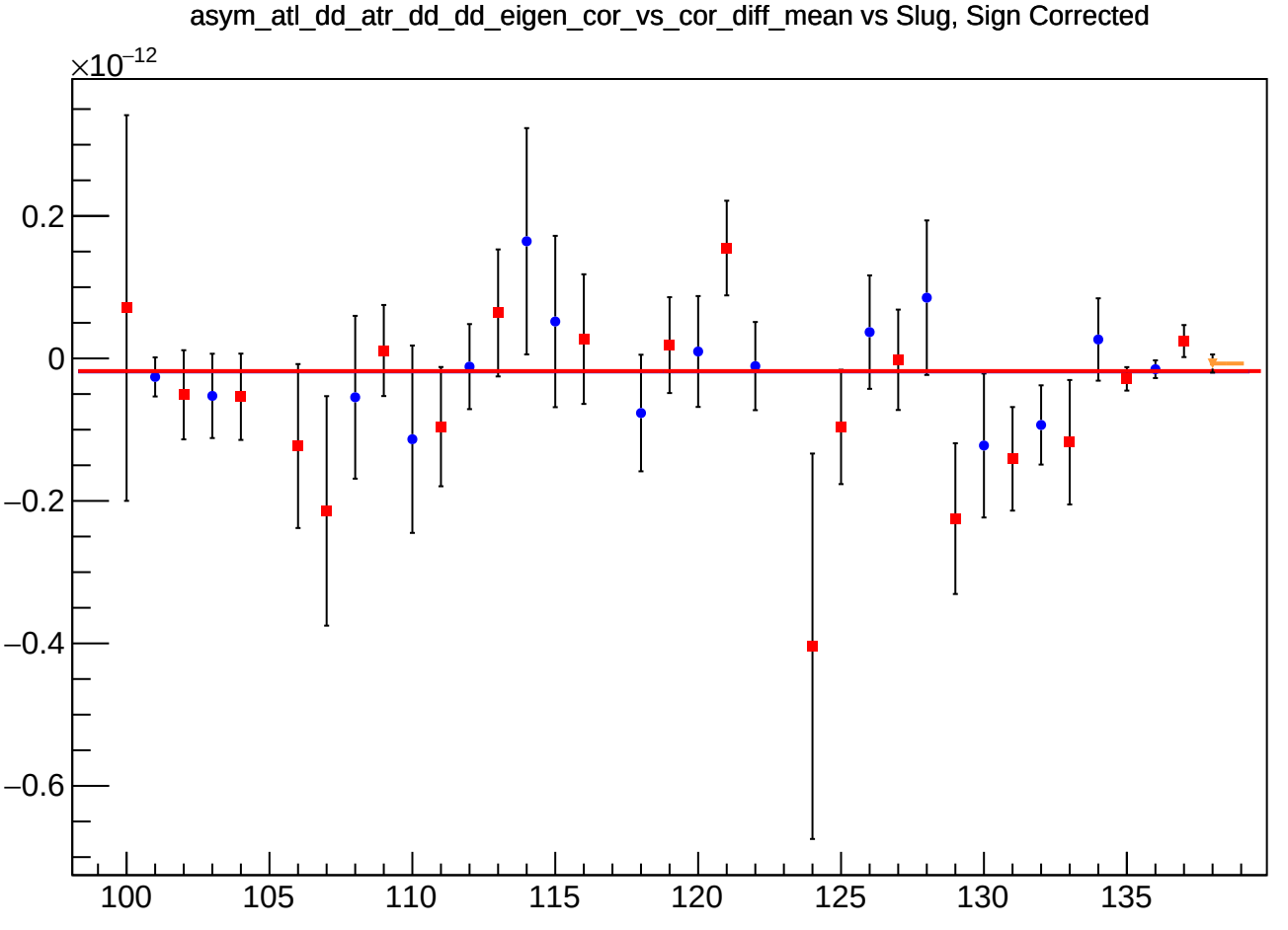
Left: 21.947+/-0.020 χ^2/NDF: 0.0/0

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.495+/-0.011 χ^2/NDF:1983206.3/15

Out: 33.042+/-0.010 χ^2/NDF:3590438.5/19

All: 35.020+/-0.008 χ^2/NDF: 5658892.3/35



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

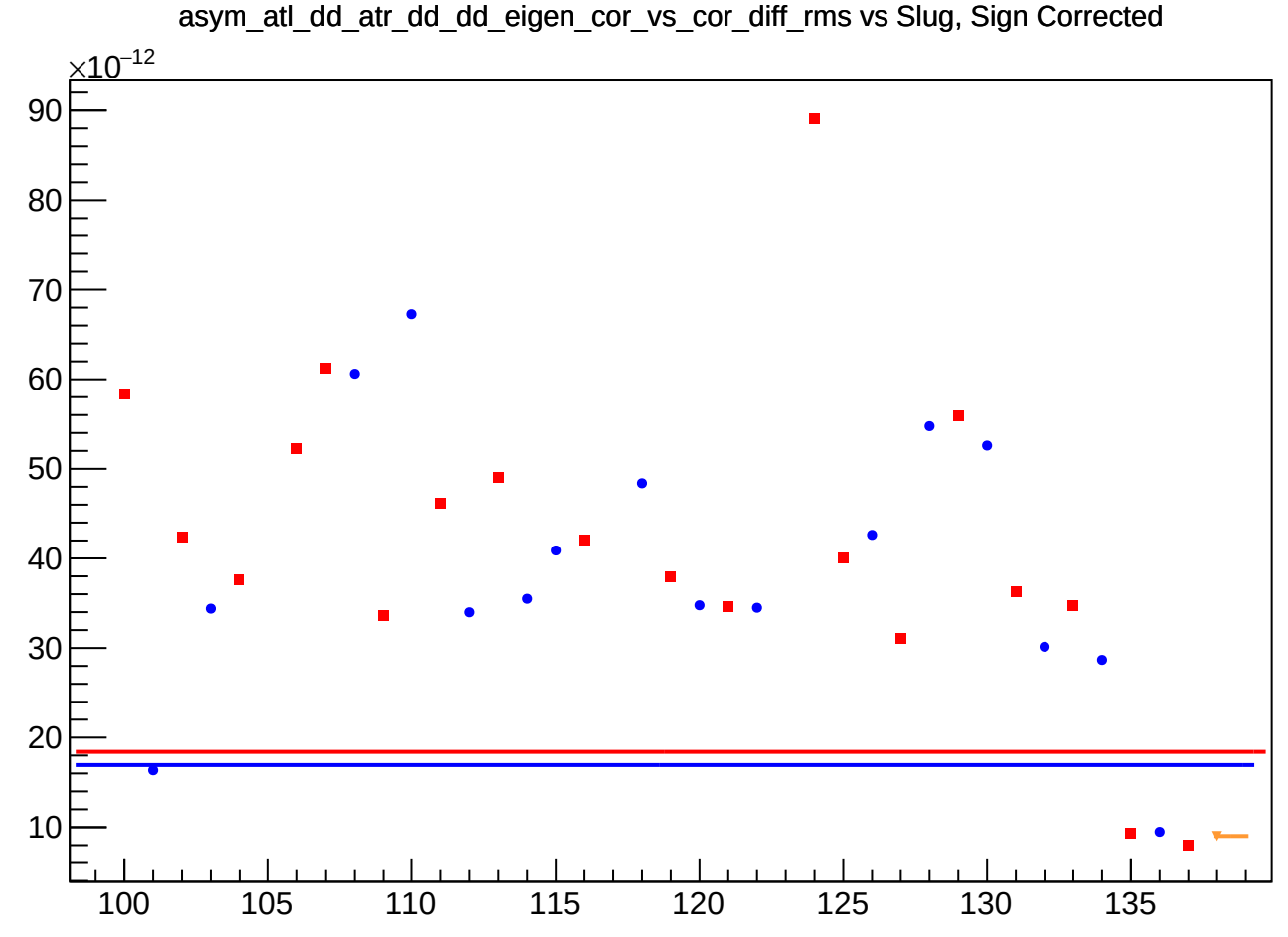
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:8.3/15

Out: -0.000+/-0.000 χ^2/NDF:27.7/19

All: -0.000+/-0.000 χ^2/NDF: 36.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

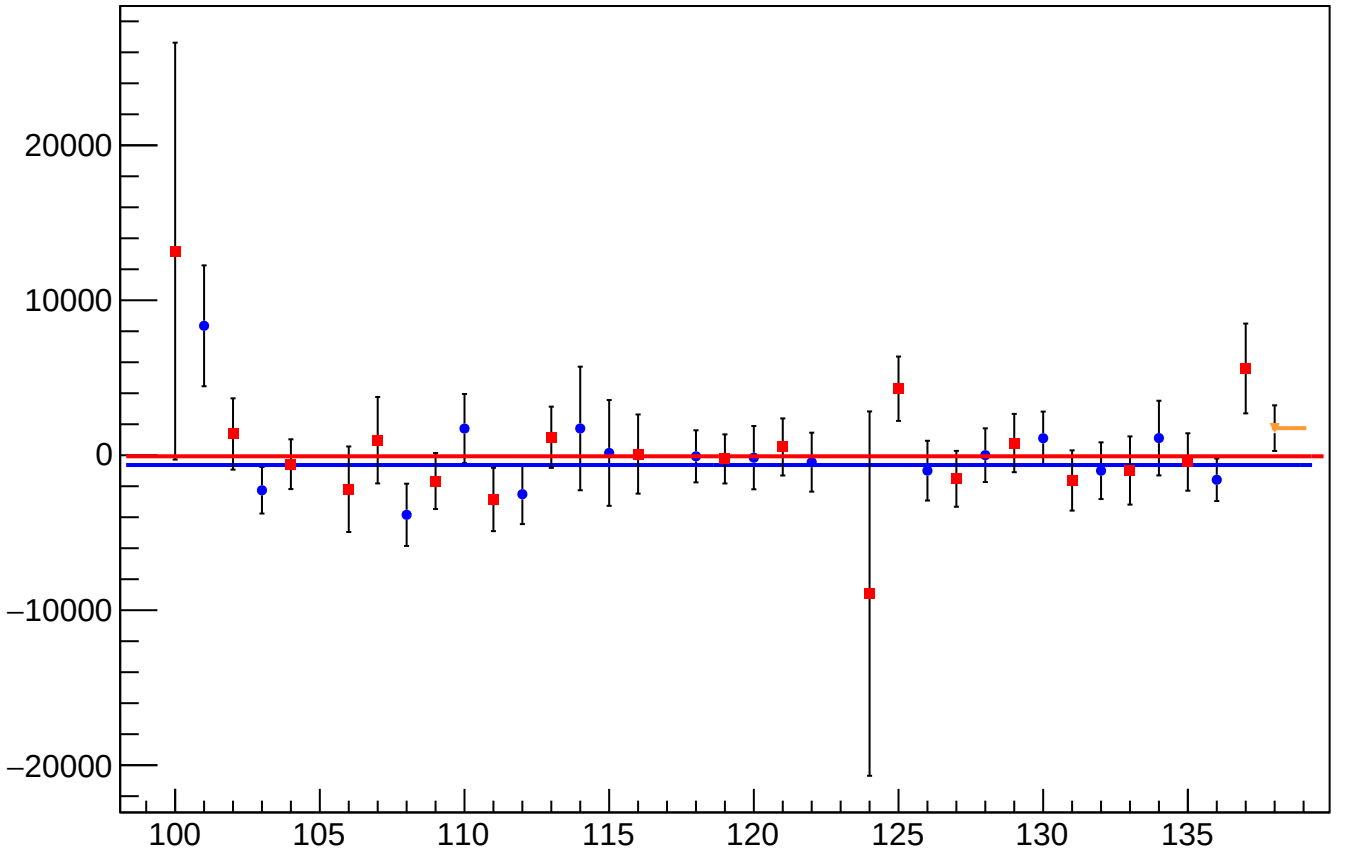
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:3207856.3/15

Out: 0.000+/-0.000 χ^2/NDF:4295228.6/19

All: 0.000+/-0.000 χ^2/NDF: 7581248.2/35



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1749.176+/-1472.063 χ^2/NDF:0.0/0

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

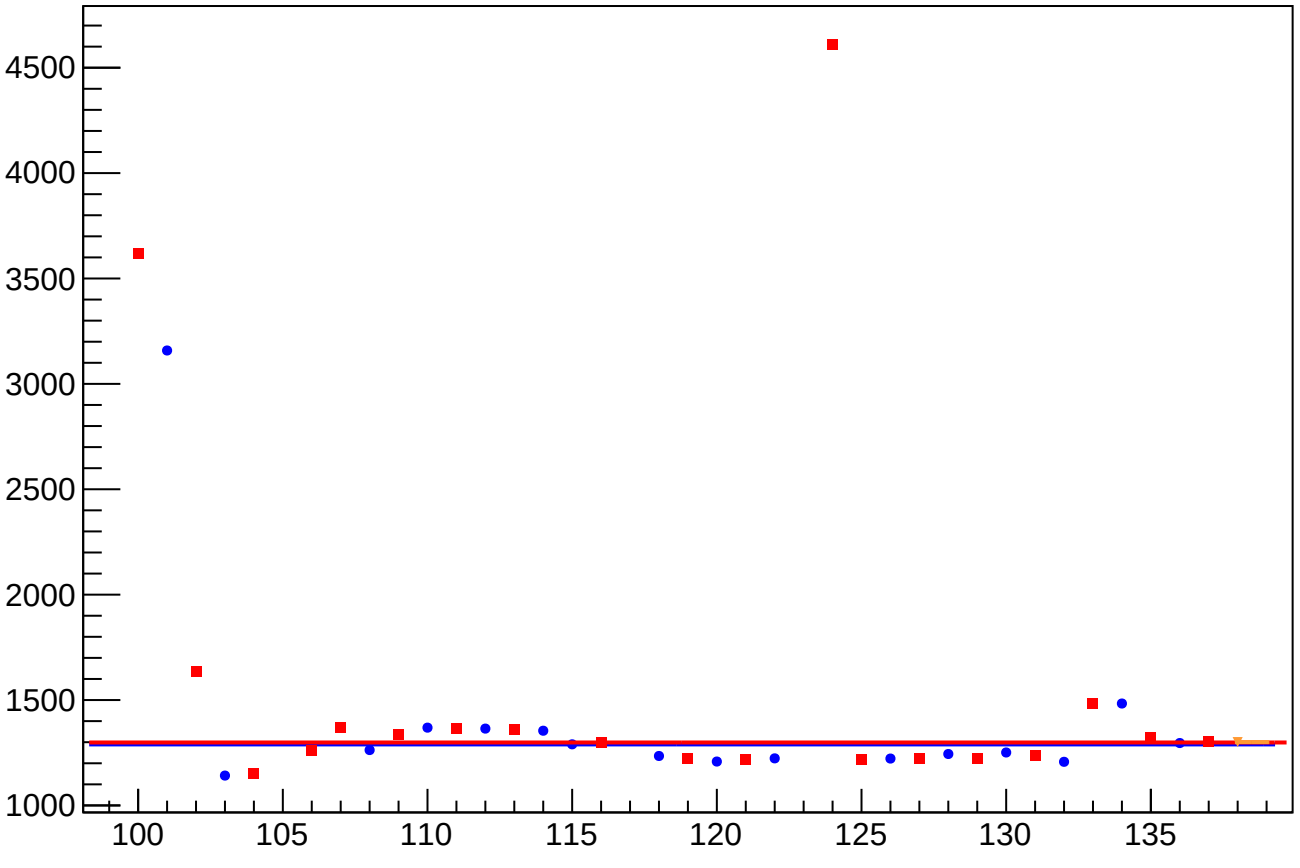
Left: 1749.176+/-1472.063 χ^2/NDF: 0.0/0

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -631.041+/-488.663 χ^2/NDF:13.9/15

Out: 112.092+/-463.006 χ^2/NDF:17.2/19

All: -239.454+/-336.099 χ^2/NDF: 32.4/35



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1300.423+/-1.041 χ^2/NDF:0.0/0

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1300.423+/-1.041 χ^2/NDF: 0.0/0

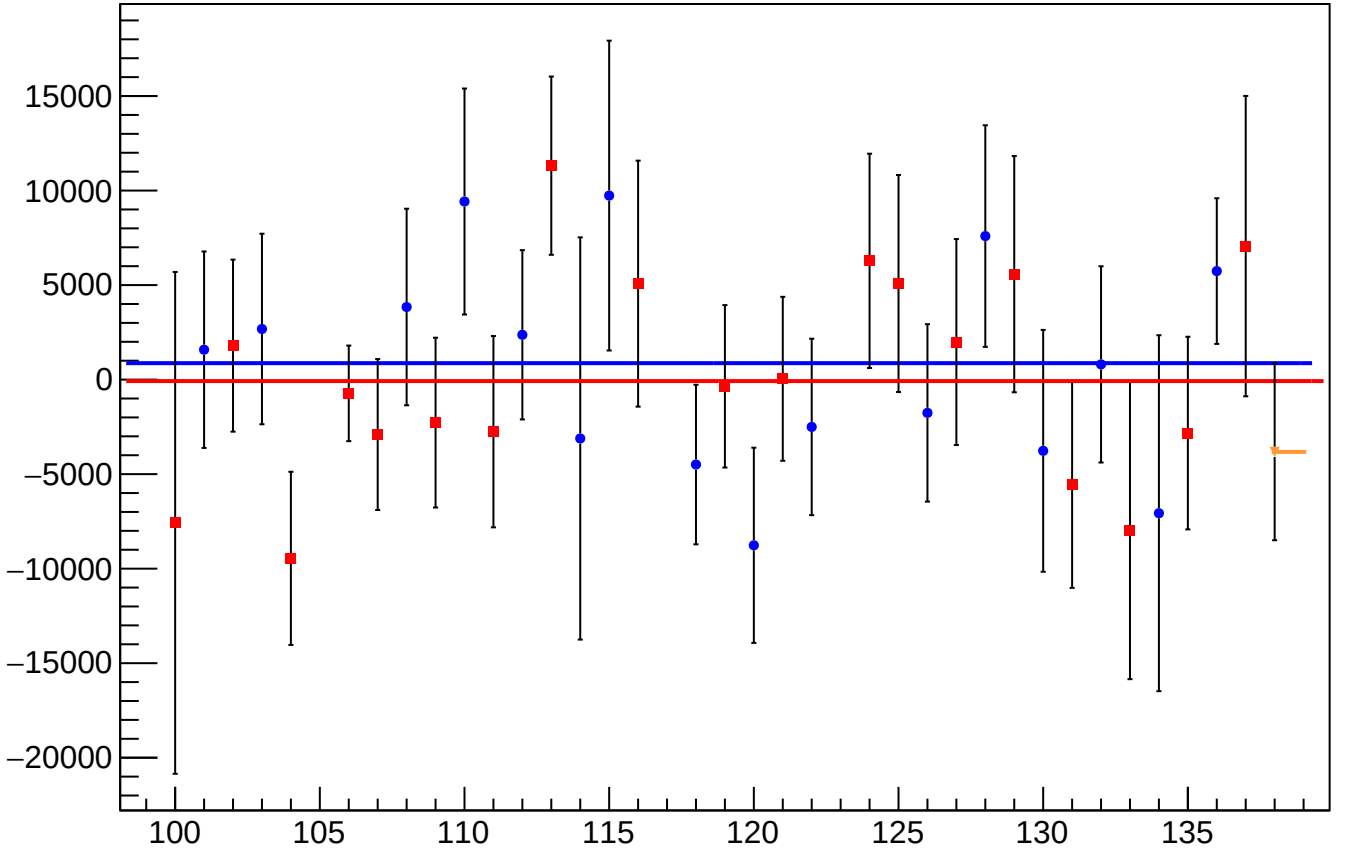
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1289.466+/-0.346 χ^2/NDF:514675.0/15

Out: 1298.830+/-0.327 χ^2/NDF:319377.5/19

All: 1294.411+/-0.237 χ^2/NDF: 834440.3/35

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -3822.471+/-4673.884 χ^2/NDF:0.0/0

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

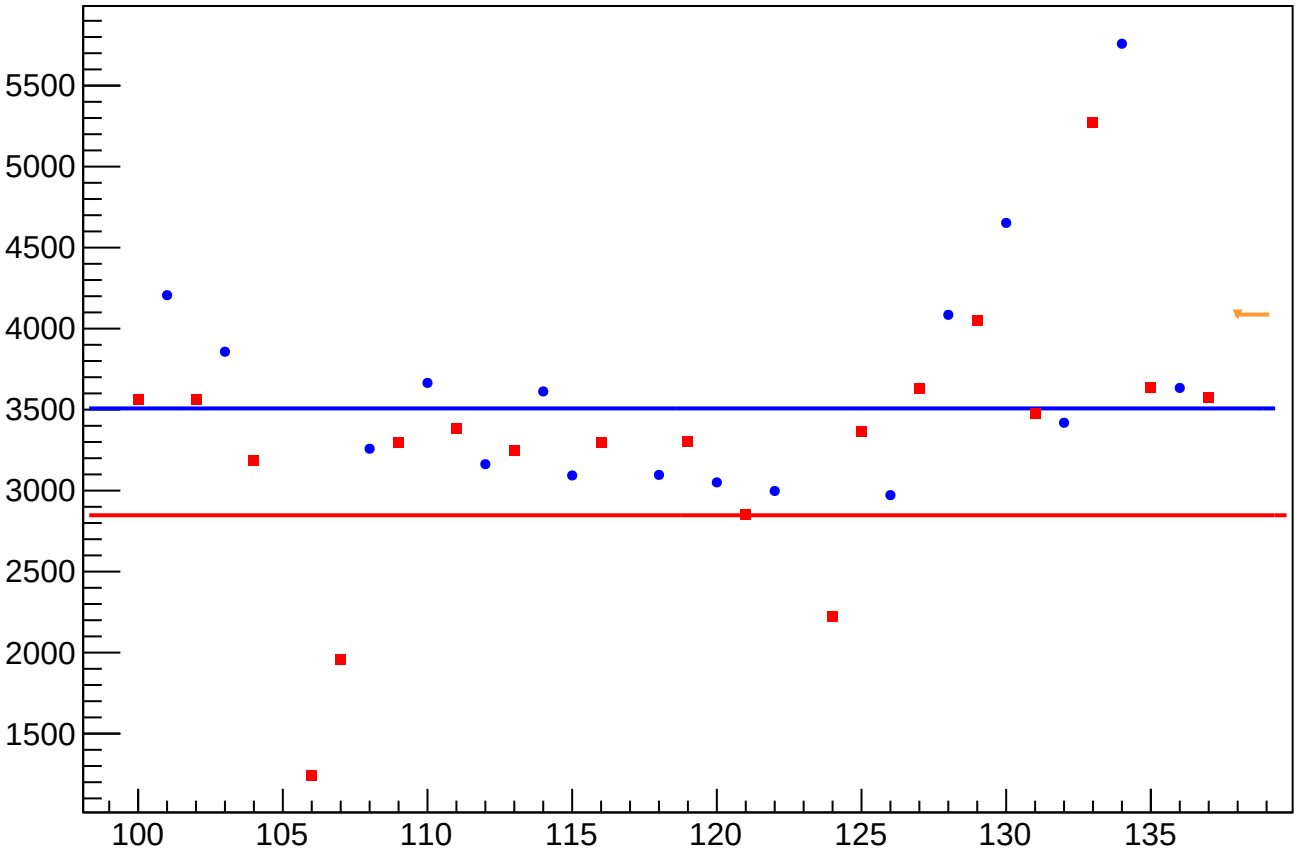
Left: -3822.471+/-4673.884 χ^2/NDF: 0.0/0

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 870.295+/-1325.278 χ^2/NDF:14.0/15

Out: -277.644+/-1080.951 χ^2/NDF:19.0/19

All: 180.954+/-837.652 χ^2/NDF: 33.5/35



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 4086.792+/-3.305 χ^2/NDF:0.0/0

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

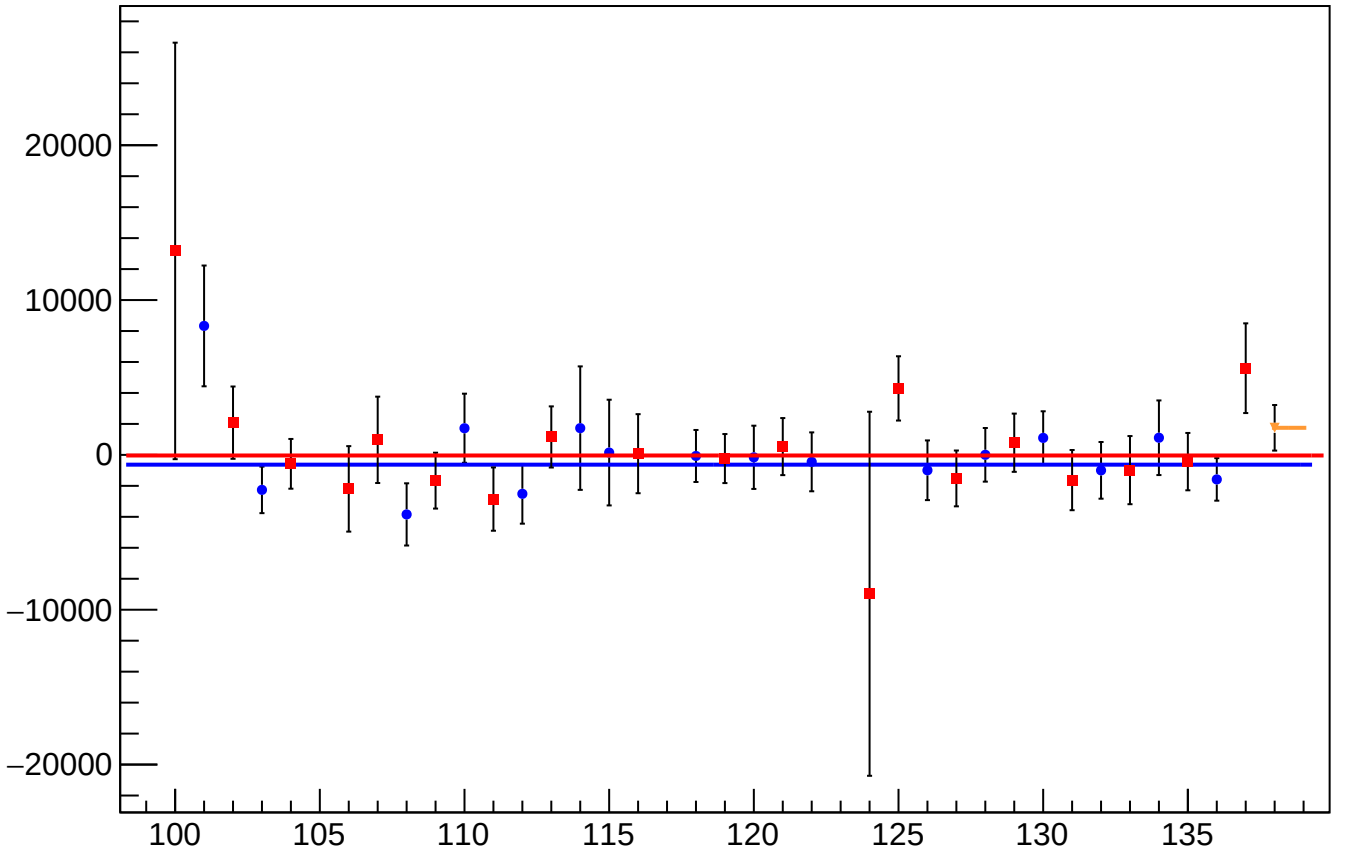
Left: 4086.792+/-3.305 χ^2/NDF: 0.0/0

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3507.397+/-0.937 χ^2/NDF:353979.1/15

Out: 2914.102+/-0.764 χ^2/NDF:1632392.8/19

All: 3151.122+/-0.592 χ^2/NDF: 2227069.8/35



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1749.097+/-1472.063 χ^2/NDF:0.0/0

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

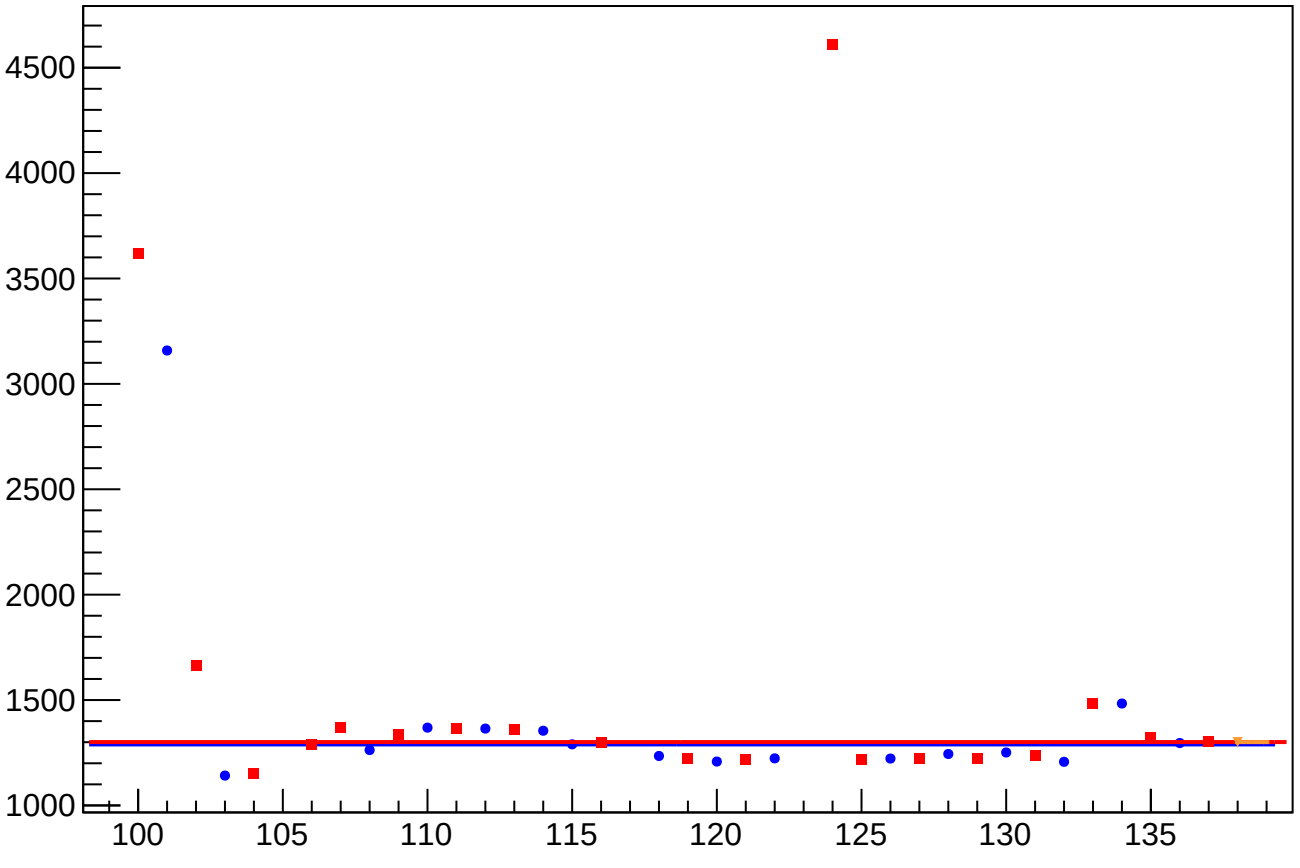
Left: 1749.097+/-1472.063 χ^2/NDF: 0.0/0

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -631.427+/-488.663 χ^2/NDF:13.9/15

Out: 138.444+/-463.283 χ^2/NDF:17.7/19

All: -225.980+/-336.205 χ^2/NDF: 32.8/35



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.423+/-1.041 χ^2/NDF:0.0/0

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

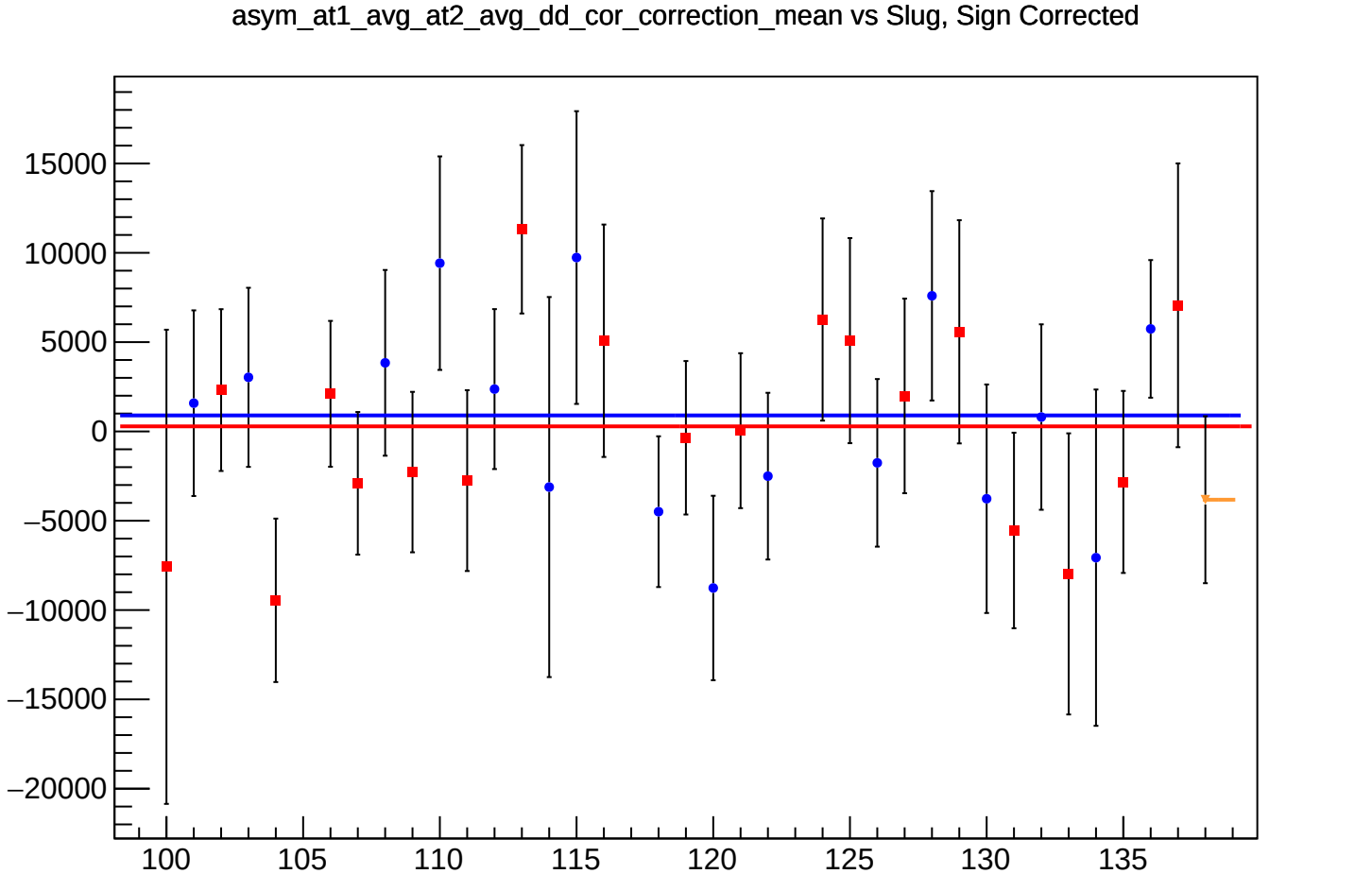
Left: 1300.423+/-1.041 χ^2/NDF: 0.0/0

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.466+/-0.346 χ^2/NDF:514676.5/15

Out: 1300.658+/-0.327 χ^2/NDF:325907.7/19

All: 1295.370+/-0.238 χ^2/NDF: 841137.6/35



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3822.622+/-4673.882 χ^2/NDF:0.0/0

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

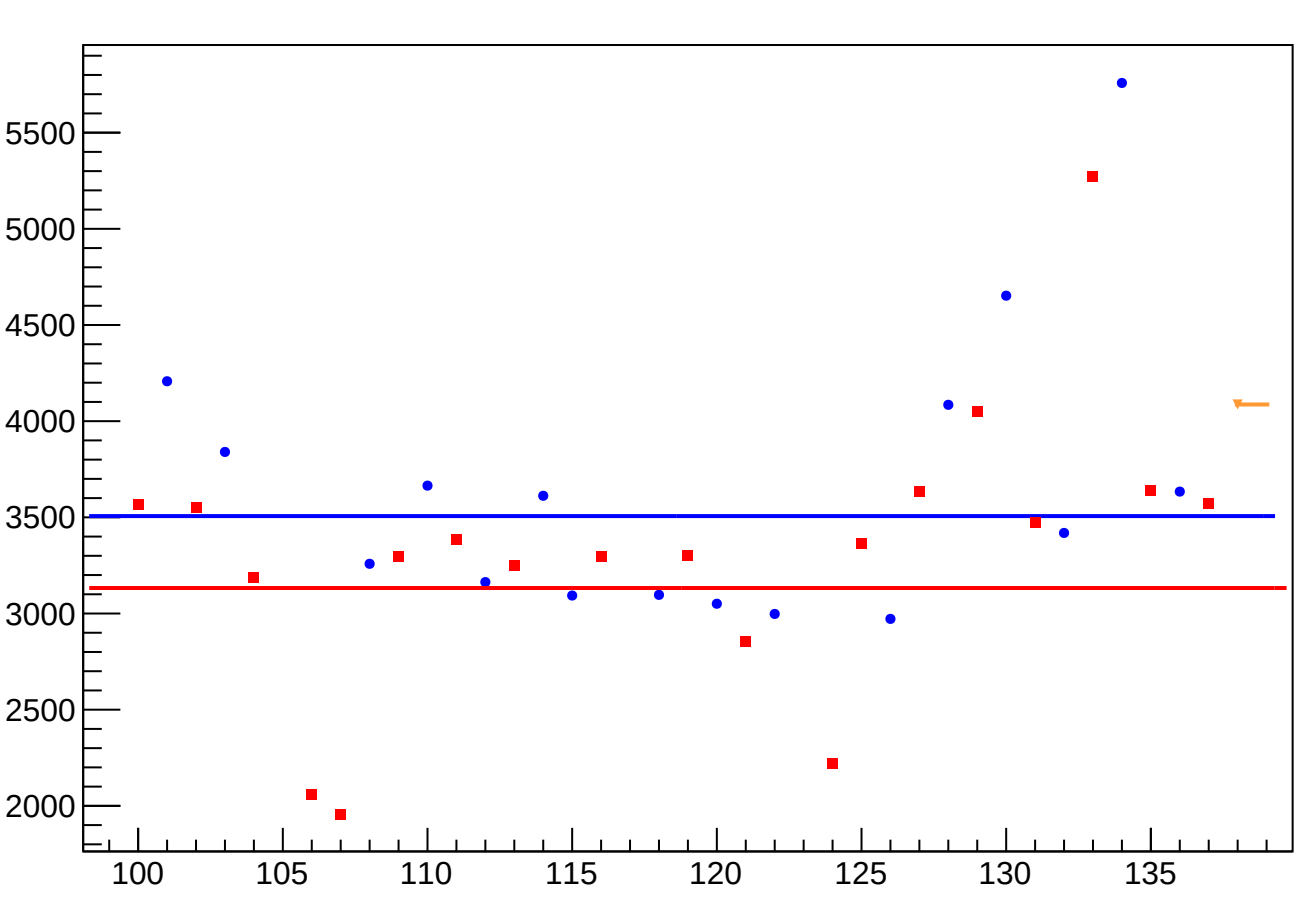
Left: -3822.622+/-4673.882 χ^2/NDF: 0.0/0

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 896.017+/-1324.823 χ^2/NDF:14.1/15

Out: 36.650+/-1146.991 χ^2/NDF:19.3/19

All: 404.826+/-867.154 χ^2/NDF: 33.7/35



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 4086.790+/-3.305 χ^2/NDF:0.0/0

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

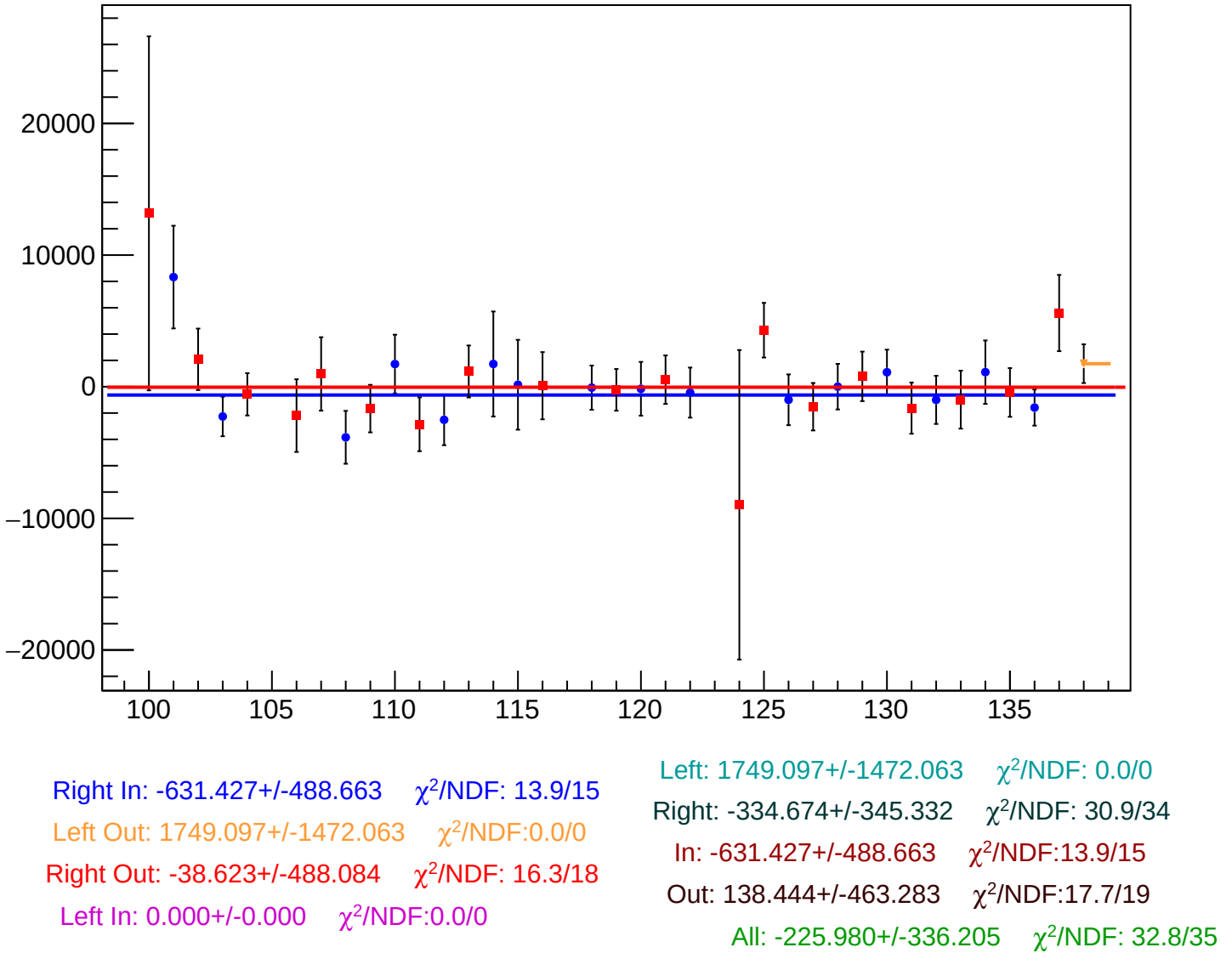
Left: 4086.790+/-3.305 χ^2/NDF: 0.0/0

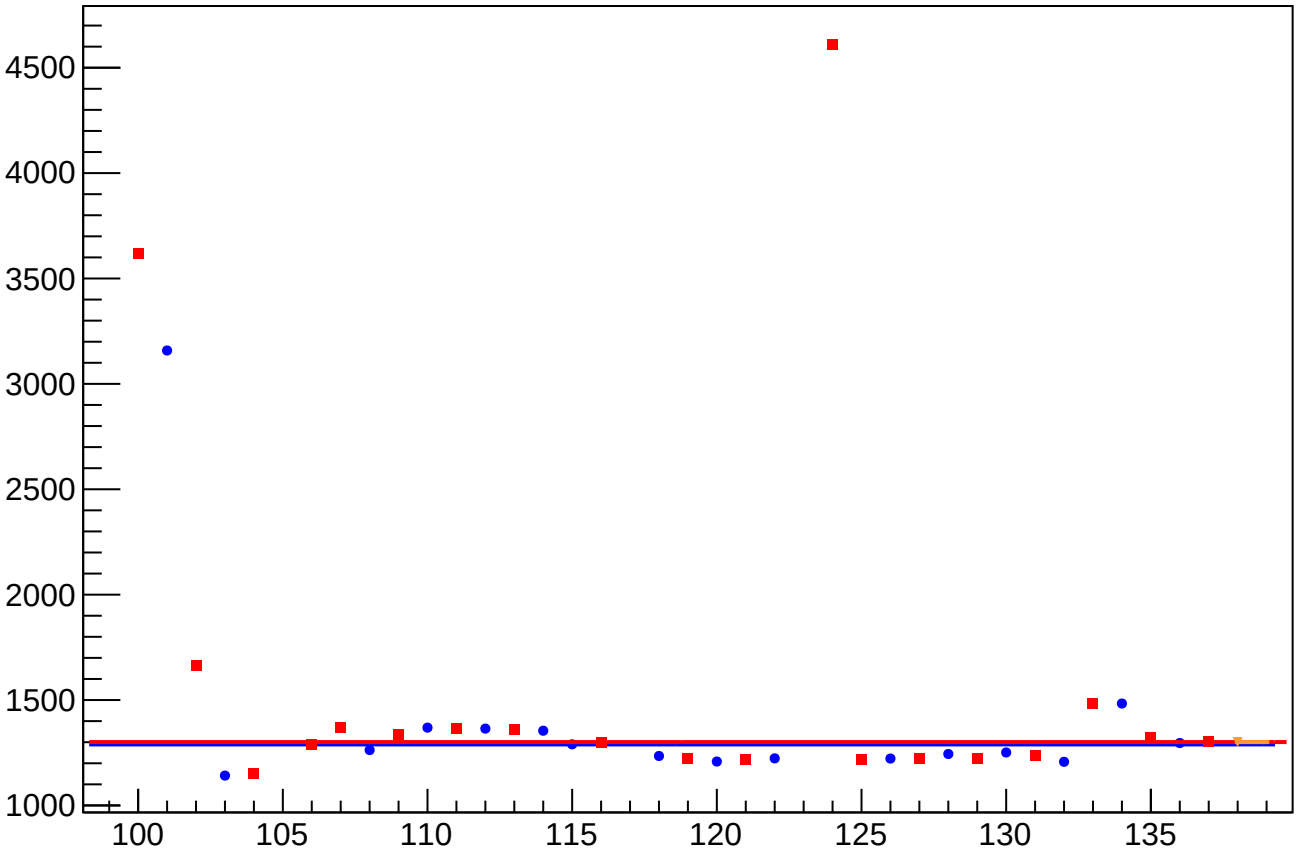
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3506.484+/-0.937 χ^2/NDF:353237.7/15

Out: 3190.052+/-0.811 χ^2/NDF:727950.7/19

All: 3325.620+/-0.613 χ^2/NDF: 1146403.5/35


eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 1749.097+/-1472.063 χ²/NDF:0.0/0
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1749.097+/-1472.063 χ²/NDF: 0.0/0
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -631.427+/-488.663 χ²/NDF:13.9/15
Out: 138.444+/-463.283 χ²/NDF:17.7/19
All: -225.980+/-336.205 χ²/NDF: 32.8/35



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.423+/-1.041 χ^2/NDF:0.0/0

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

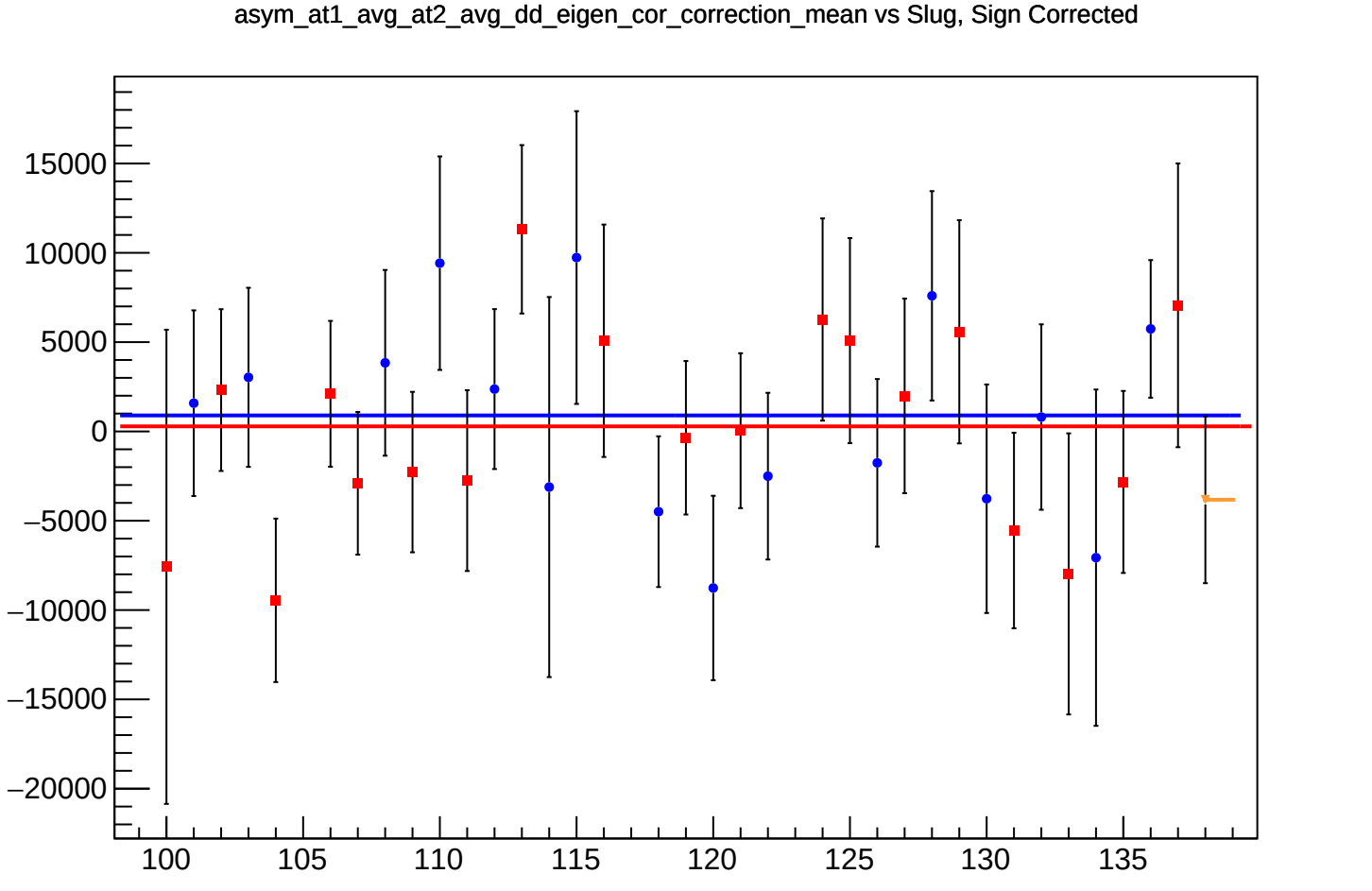
Left: 1300.423+/-1.041 χ^2/NDF: 0.0/0

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.466+/-0.346 χ^2/NDF:514676.5/15

Out: 1300.658+/-0.327 χ^2/NDF:325907.7/19

All: 1295.370+/-0.238 χ^2/NDF: 841137.6/35



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3822.622+/-4673.882 χ^2/NDF:0.0/0

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

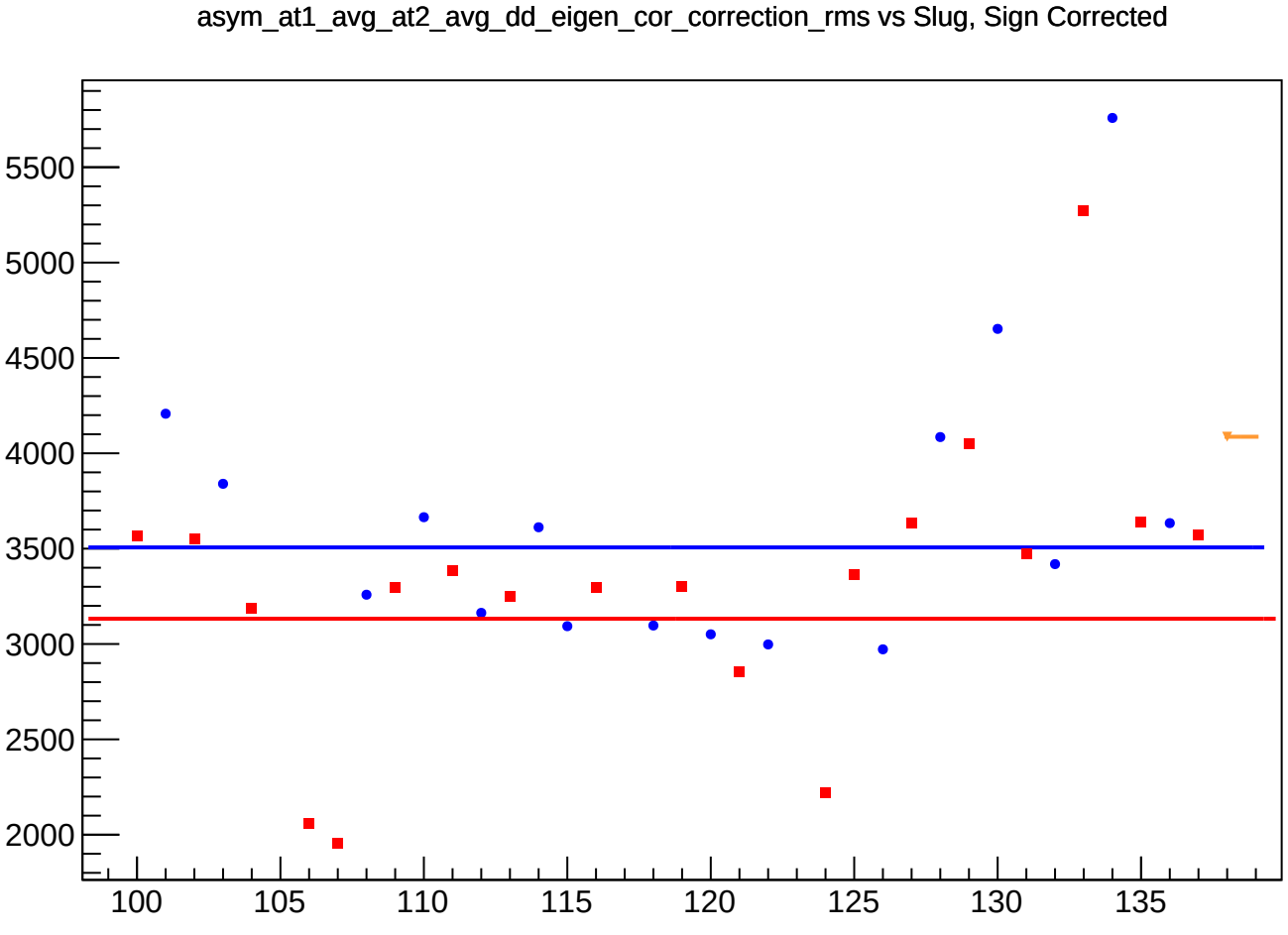
Left: -3822.622+/-4673.882 χ^2/NDF: 0.0/0

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 896.017+/-1324.823 χ^2/NDF:14.1/15

Out: 36.650+/-1146.991 χ^2/NDF:19.3/19

All: 404.826+/-867.154 χ^2/NDF: 33.7/35



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 4086.790+/-3.305 χ^2/NDF:0.0/0

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

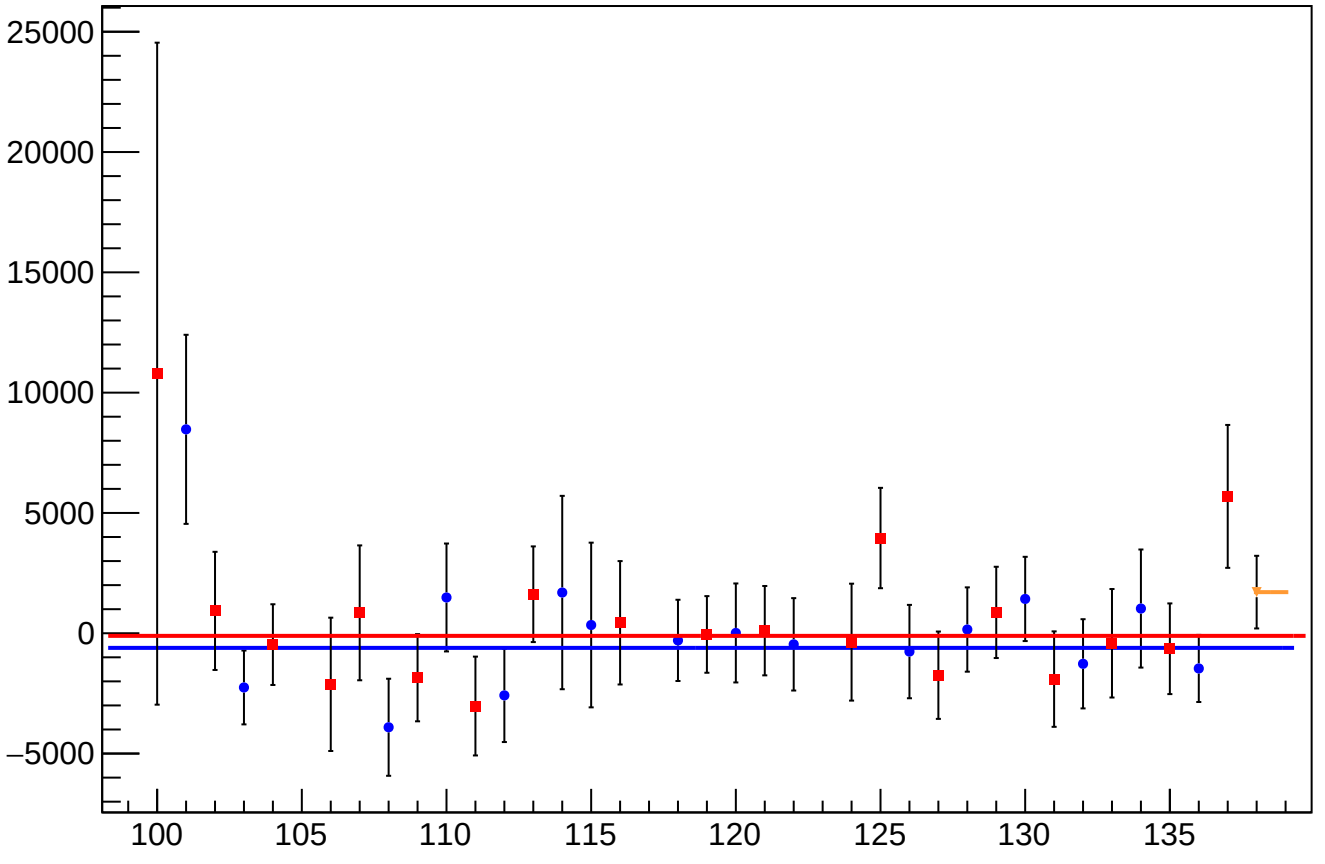
Left: 4086.790+/-3.305 χ^2/NDF: 0.0/0

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3506.484+/-0.937 χ^2/NDF:353237.7/15

Out: 3190.052+/-0.811 χ^2/NDF:727950.7/19

All: 3325.620+/-0.613 χ^2/NDF: 1146403.5/35



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1709.032+/-1509.647 χ^2/NDF:0.0/0

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

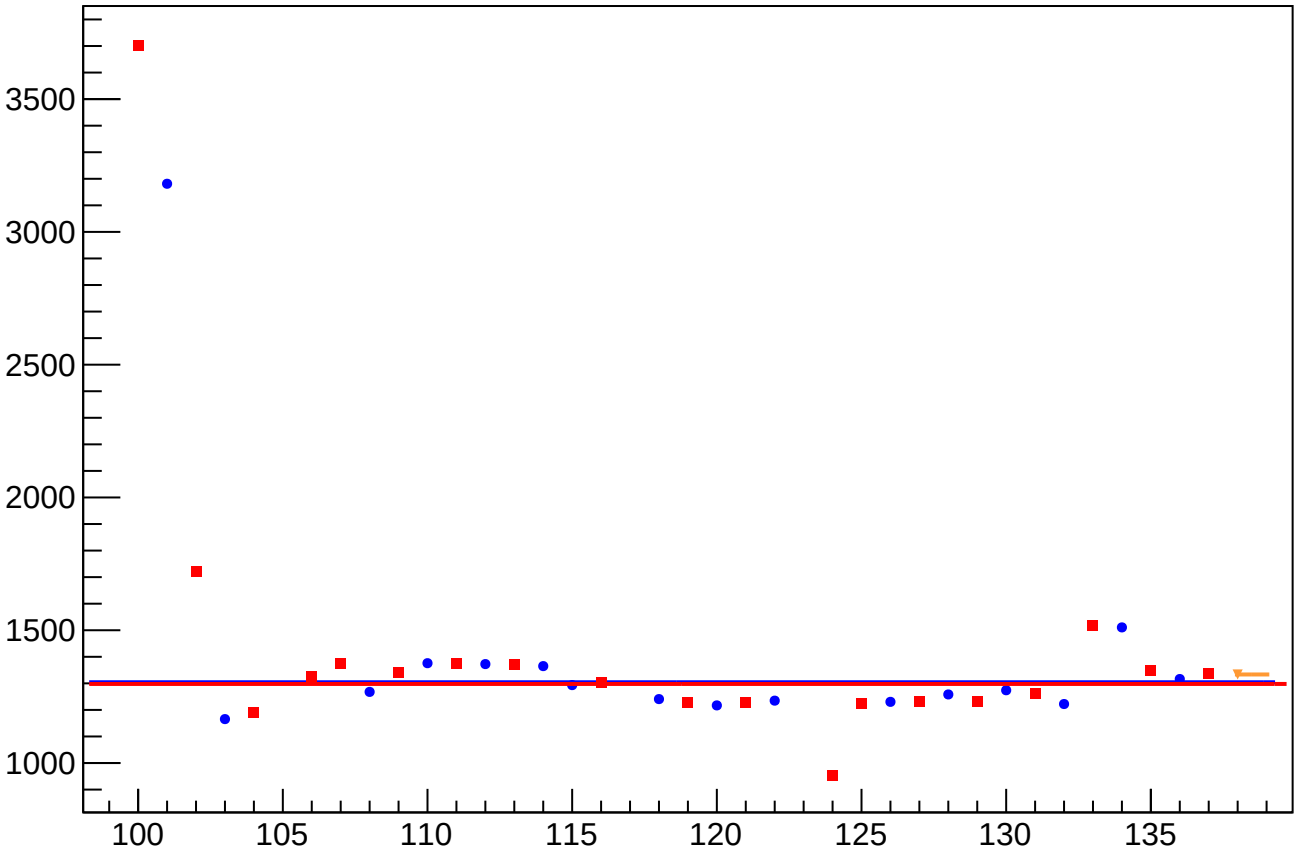
Left: 1709.032+/-1509.647 χ^2/NDF: 0.0/0

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -607.831+/-494.182 χ^2/NDF:14.1/15

Out: 61.790+/-462.232 χ^2/NDF:16.2/19

All: -250.676+/-337.578 χ^2/NDF: 31.3/35



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1333.477+/-1.067 χ^2/NDF:0.0/0

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

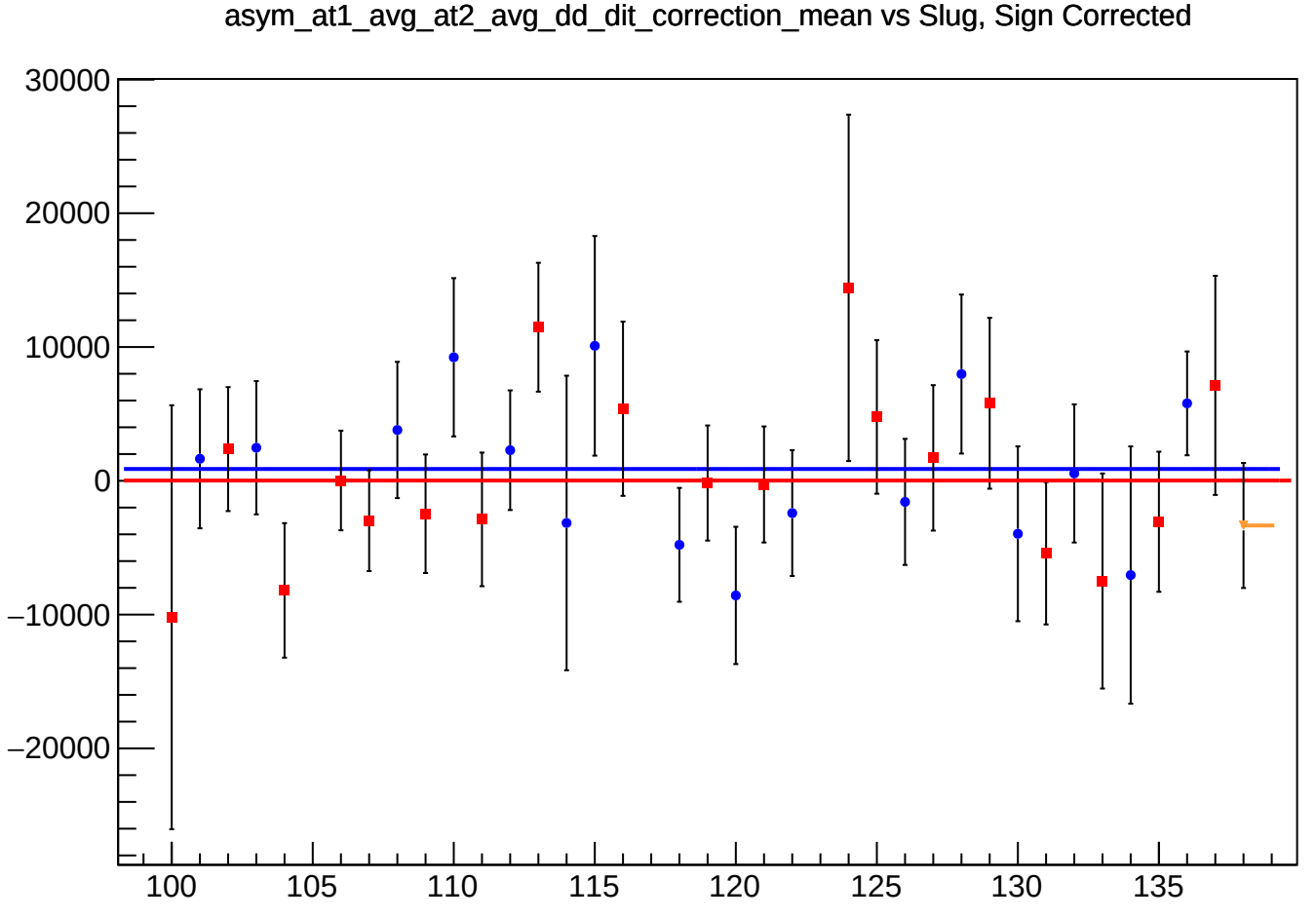
Left: 1333.477+/-1.067 χ^2/NDF: 0.0/0

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1304.102+/-0.349 χ^2/NDF:510589.4/15

Out: 1301.137+/-0.327 χ^2/NDF:214109.5/19

All: 1302.520+/-0.239 χ^2/NDF: 724737.4/35



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3338.973+/-4673.285 χ^2/NDF:0.0/0

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -3338.973+/-4673.285 χ^2/NDF: 0.0/0

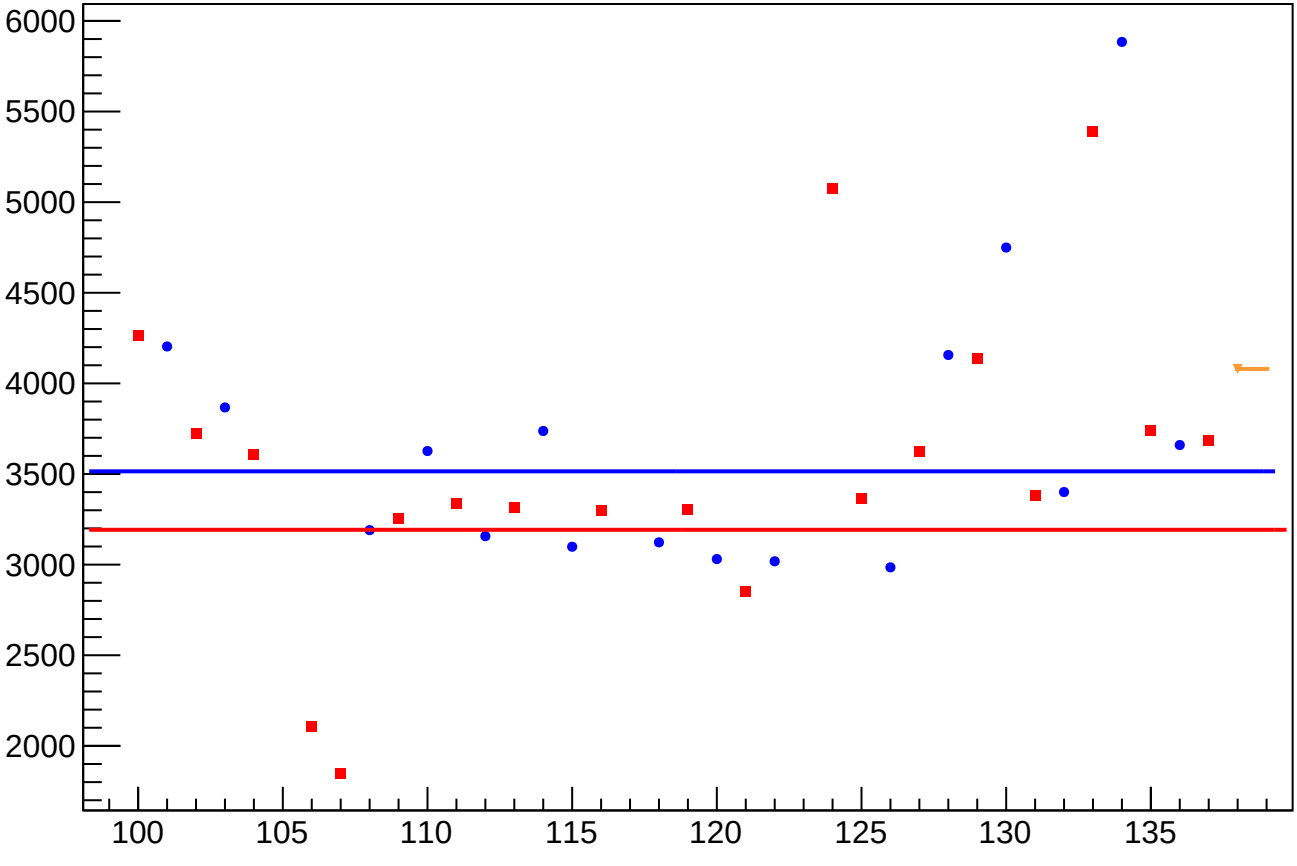
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 884.058+/-1327.399 χ^2/NDF:14.1/15

Out: -187.141+/-1162.307 χ^2/NDF:17.3/19

All: 277.738+/-874.453 χ^2/NDF: 31.8/35

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: 4079.841+/-3.305 χ^2/NDF:0.0/0

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

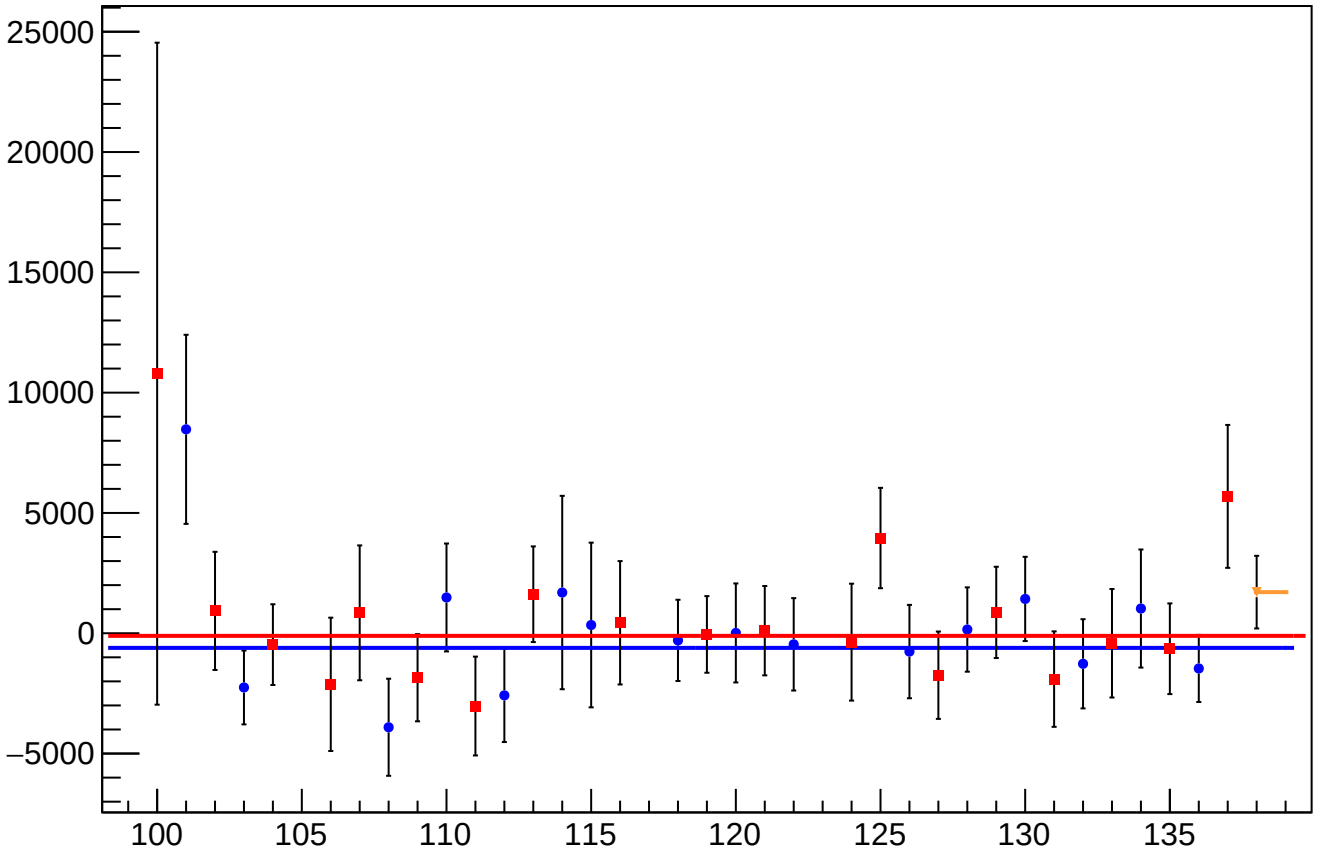
Left: 4079.841+/-3.305 χ^2/NDF: 0.0/0

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3514.746+/-0.939 χ^2/NDF:375078.6/15

Out: 3247.111+/-0.822 χ^2/NDF:840185.8/19

All: 3363.259+/-0.618 χ^2/NDF: 1261284.0/35



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1709.015+/-1509.647 χ^2/NDF:0.0/0

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

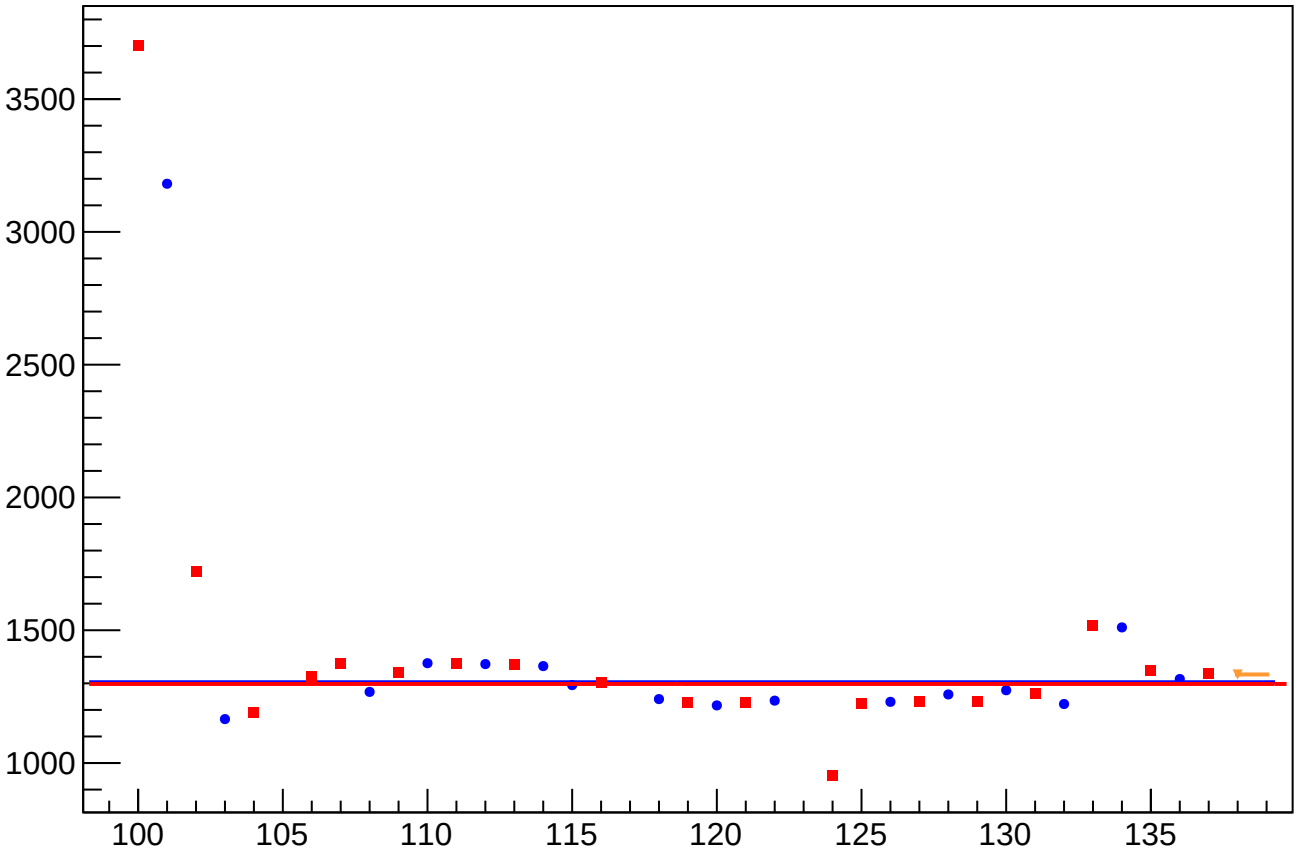
Left: 1709.015+/-1509.647 χ^2/NDF: 0.0/0

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -607.834+/-494.182 χ^2/NDF:14.1/15

Out: 61.783+/-462.232 χ^2/NDF:16.2/19

All: -250.682+/-337.578 χ^2/NDF: 31.3/35



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1333.477+/-1.067 χ^2/NDF:0.0/0

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1333.477+/-1.067 χ^2/NDF: 0.0/0

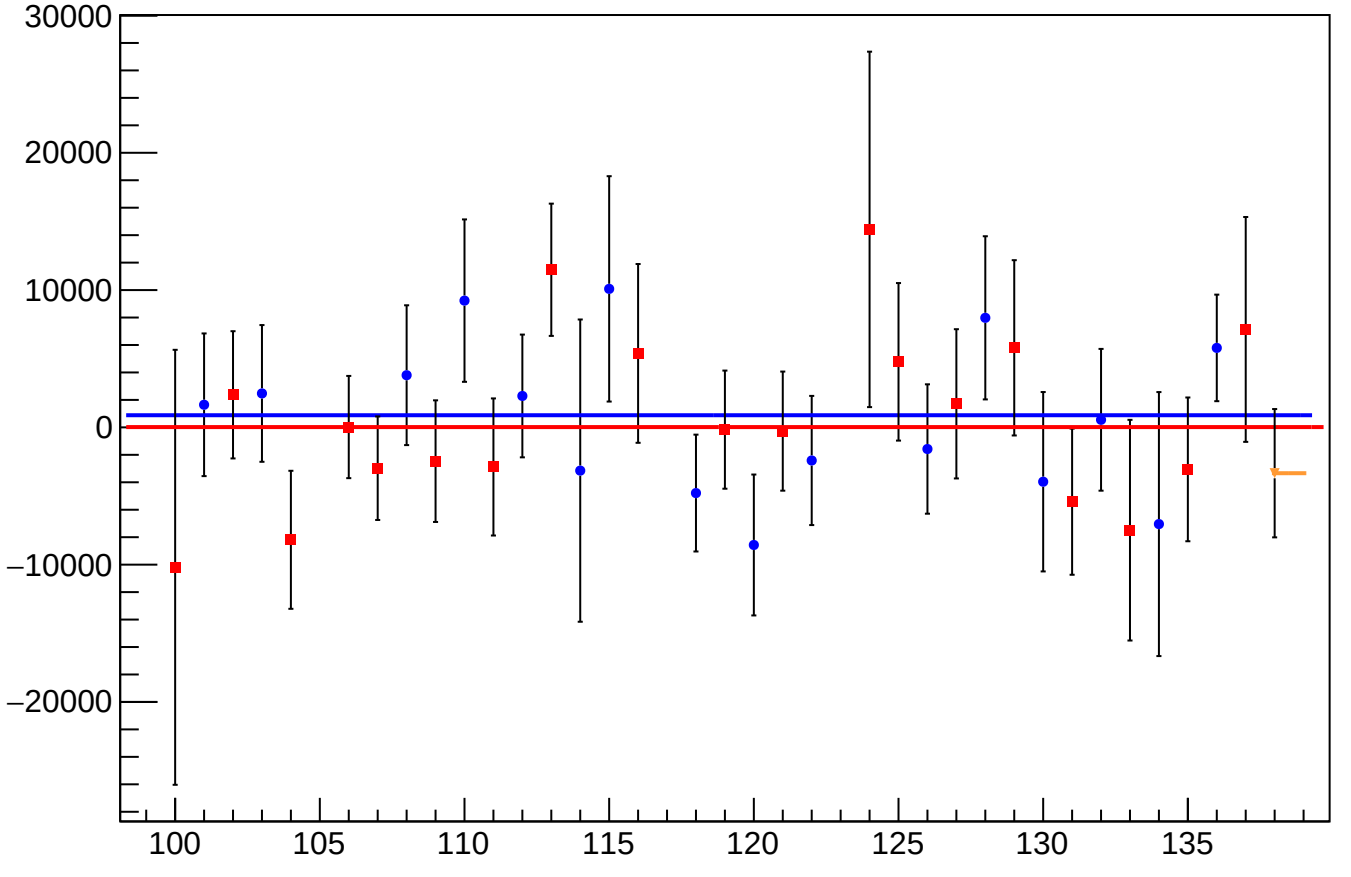
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1304.102+/-0.349 χ^2/NDF:510589.6/15

Out: 1301.137+/-0.327 χ^2/NDF:214109.7/19

All: 1302.520+/-0.239 χ^2/NDF: 724737.7/35

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3338.986+/-4673.298 χ^2/NDF:0.0/0

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

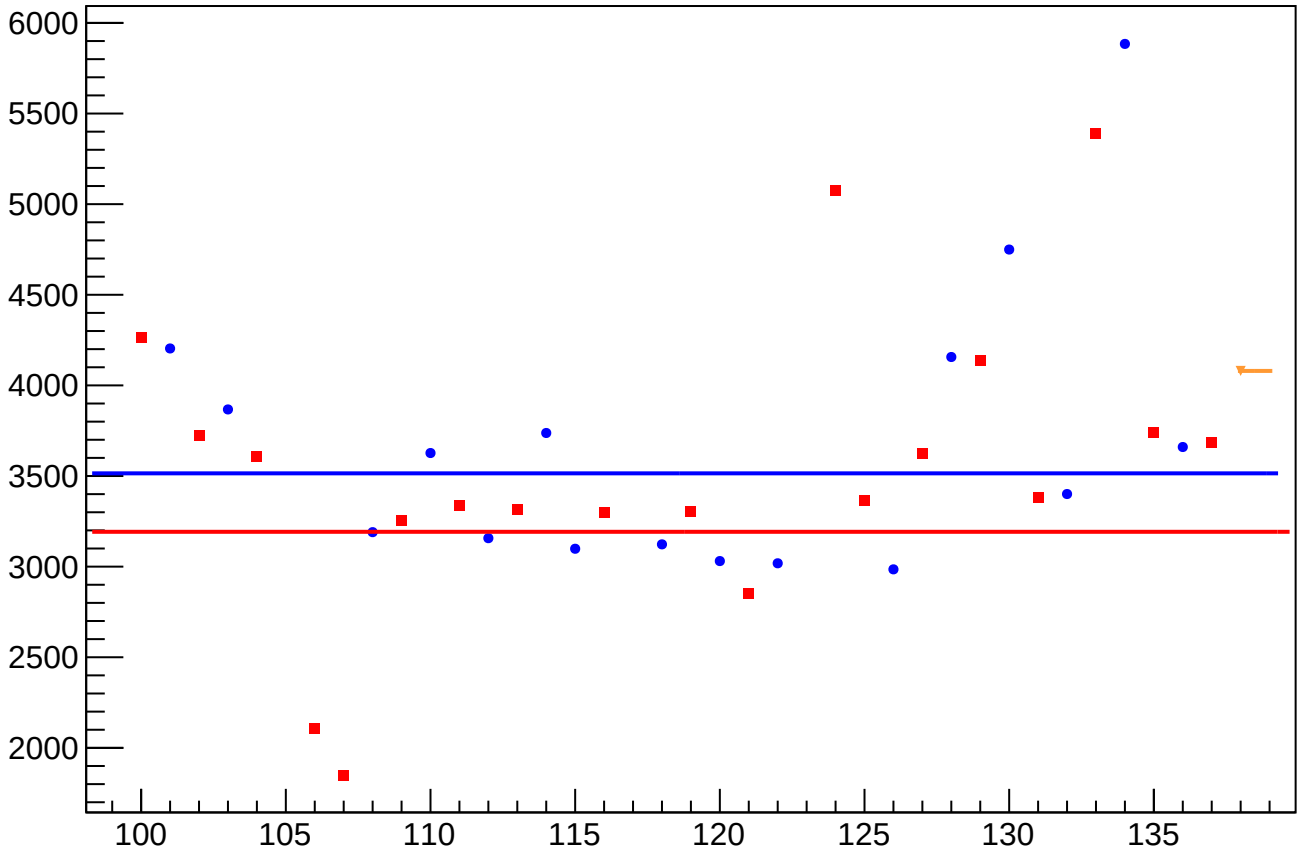
Left: -3338.986+/-4673.298 χ^2/NDF: 0.0/0

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 884.047+/-1327.396 χ^2/NDF:14.1/15

Out: -187.143+/-1162.305 χ^2/NDF:17.3/19

All: 277.733+/-874.451 χ^2/NDF: 31.8/35



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4079.852+/-3.305 χ^2/NDF:0.0/0

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

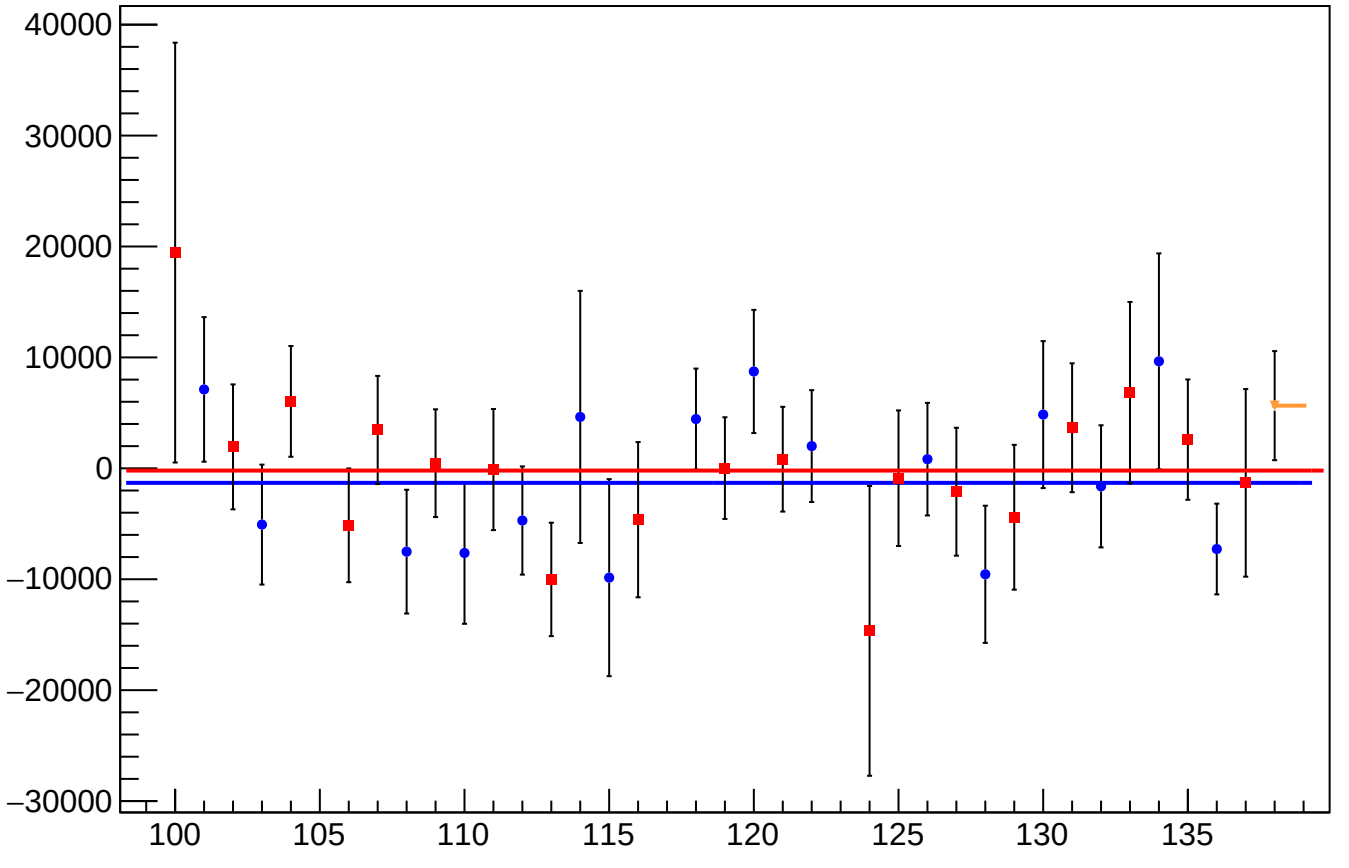
Left: 4079.852+/-3.305 χ^2/NDF: 0.0/0

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3514.737+/-0.939 χ^2/NDF:375082.8/15

Out: 3247.104+/-0.822 χ^2/NDF:840190.6/19

All: 3363.251+/-0.618 χ^2/NDF: 1261292.6/35



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 5651.648+/-4917.753 χ^2/NDF:0.0/0

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

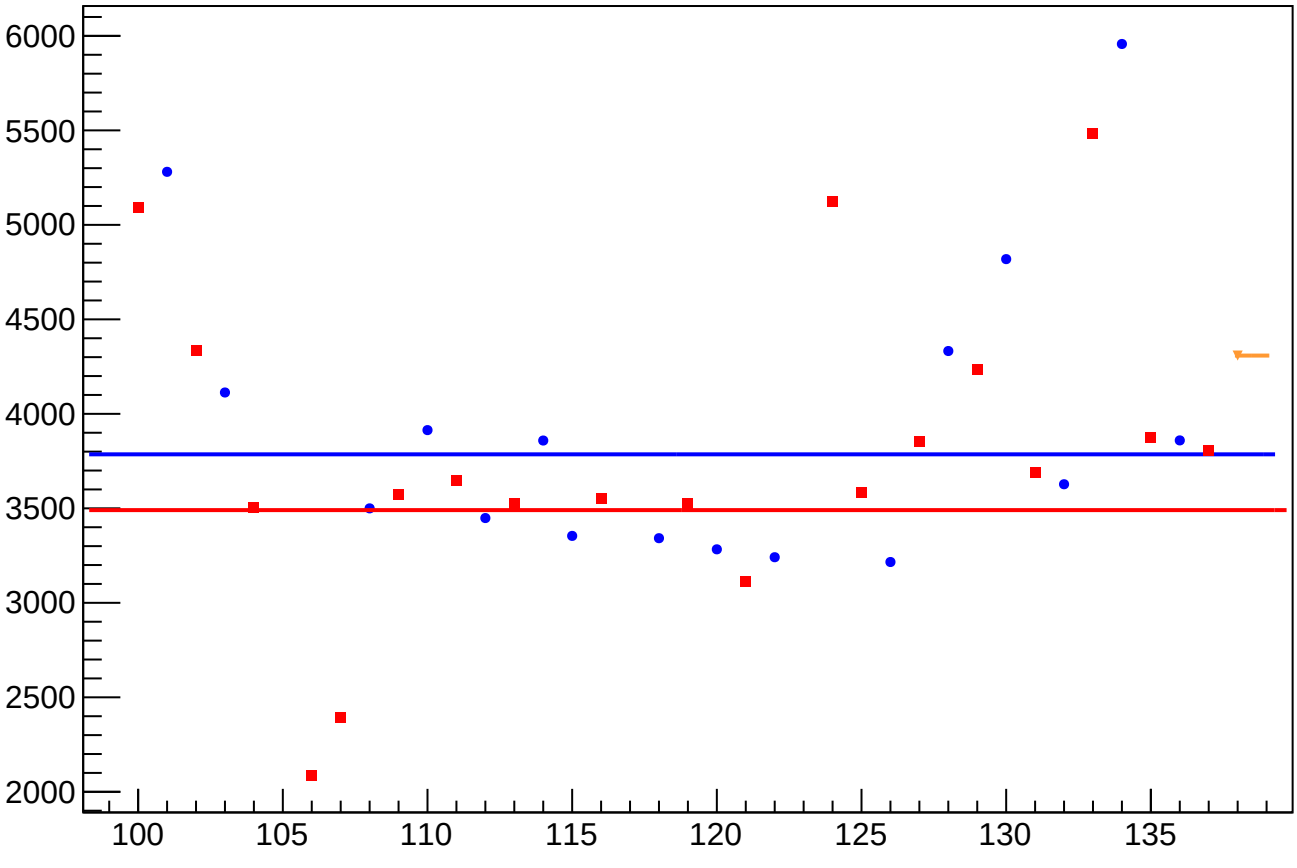
Left: 5651.648+/-4917.753 χ^2/NDF: 0.0/0

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -1309.349+/-1431.624 χ^2/NDF:17.6/15

Out: 200.742+/-1289.326 χ^2/NDF:13.0/19

All: -475.545+/-958.061 χ^2/NDF: 31.2/35



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4308.373+/-3.477 χ^2/NDF:0.0/0

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

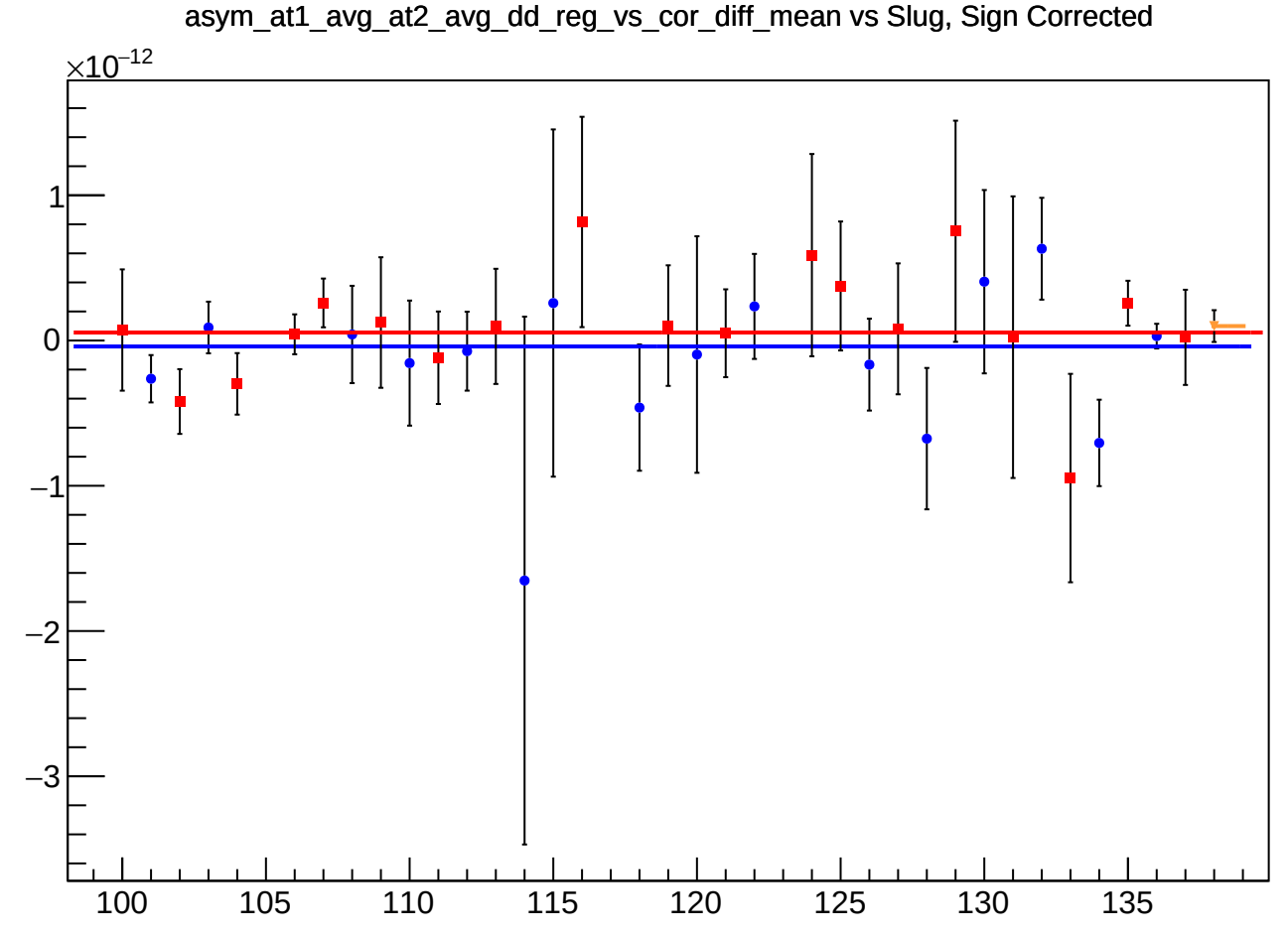
Left: 4308.373+/-3.477 χ^2/NDF: 0.0/0

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3785.774+/-1.012 χ^2/NDF:382992.9/15

Out: 3545.404+/-0.900 χ^2/NDF:638312.6/19

All: 3651.535+/-0.673 χ^2/NDF: 1052793.0/35



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

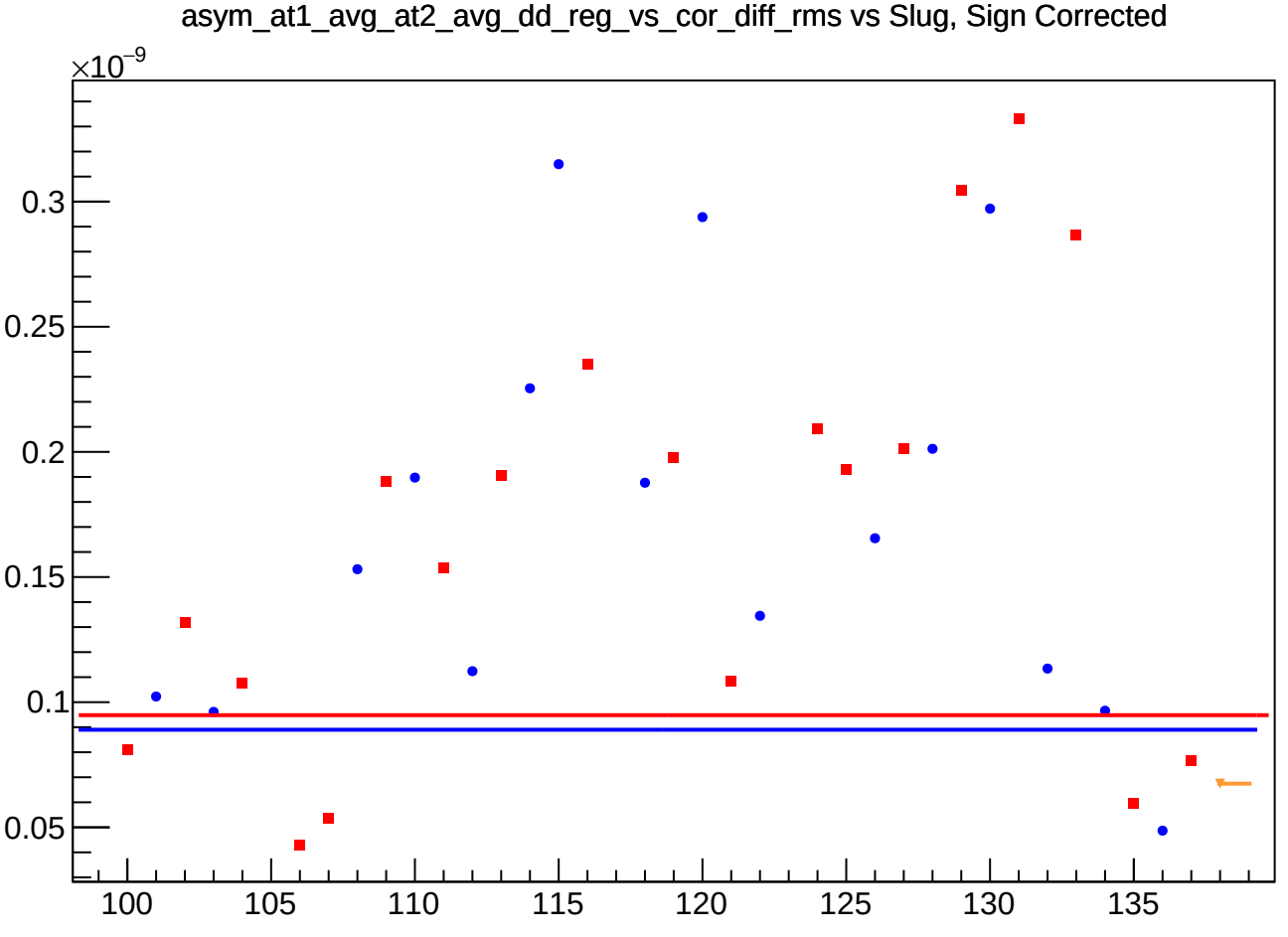
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:16.6/15

Out: 0.000+/-0.000 χ^2/NDF:16.0/19

All: 0.000+/-0.000 χ^2/NDF: 34.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

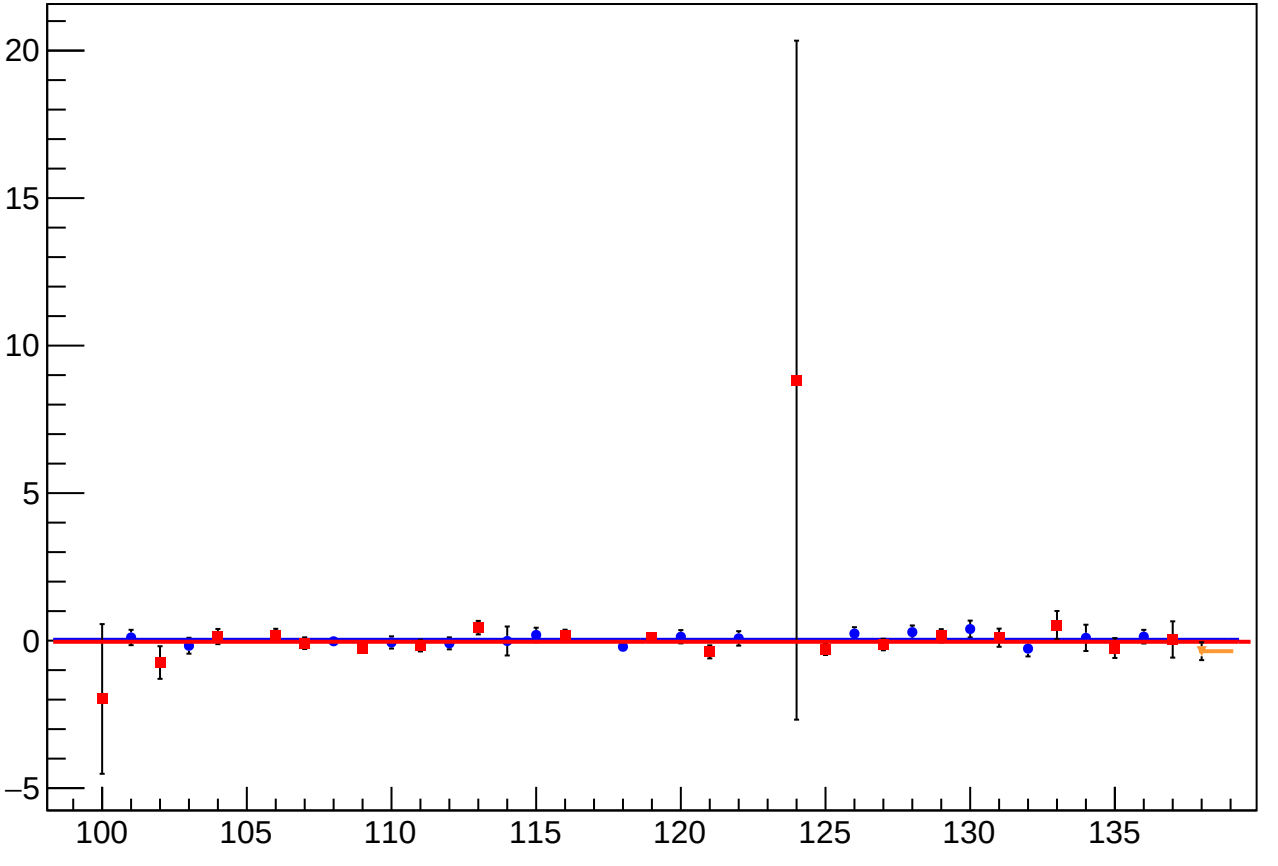
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1460718.5/15

Out: 0.000+/-0.000 χ^2/NDF:1827753.1/19

All: 0.000+/-0.000 χ^2/NDF: 3288873.8/35

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: -0.358+/-0.303 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.358+/-0.303 χ^2/NDF: 0.0/0

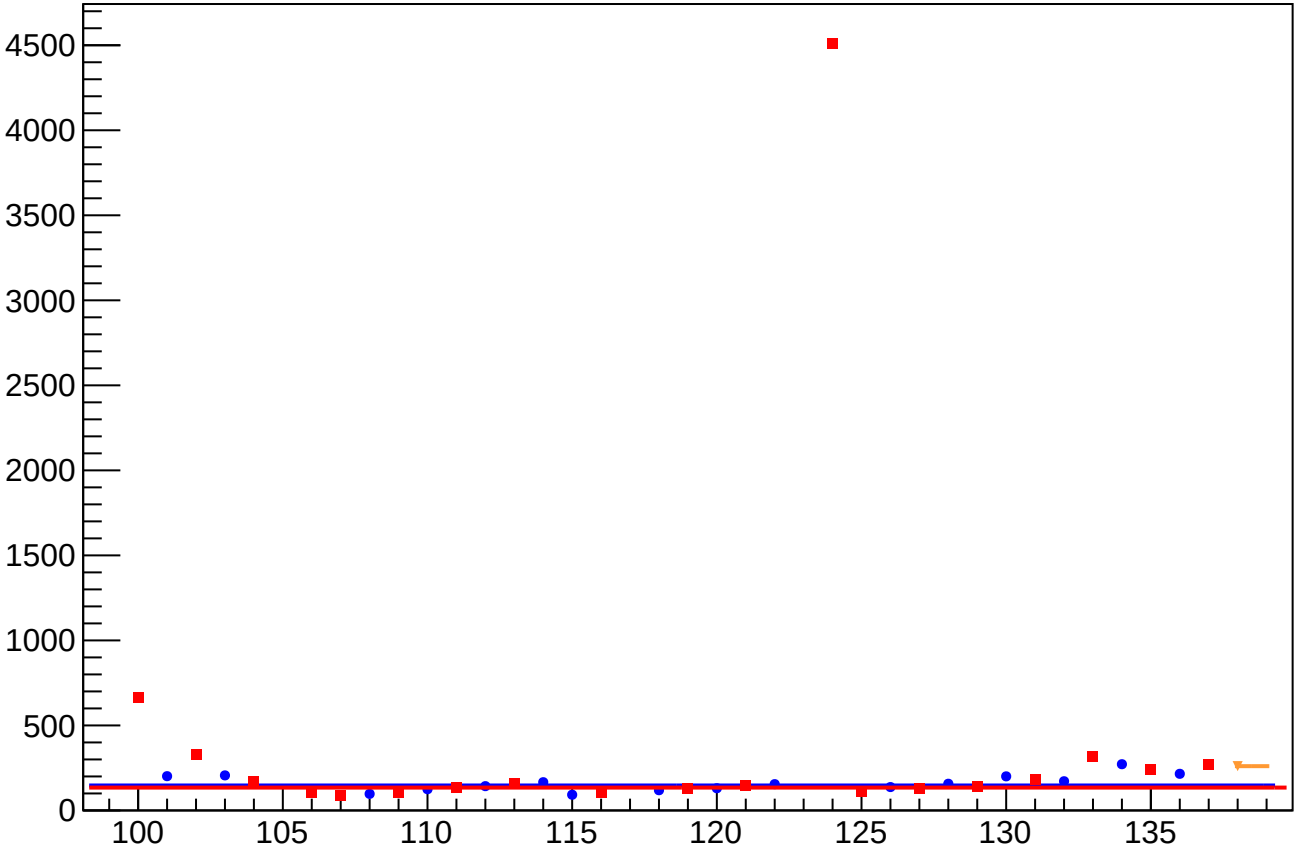
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.028+/-0.058 χ^2/NDF:9.4/15

Out: -0.049+/-0.054 χ^2/NDF:21.1/19

All: -0.013+/-0.039 χ^2/NDF: 31.5/35

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: 260.467+/-0.214 χ^2/NDF:0.0/0

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 260.467+/-0.214 χ^2/NDF: 0.0/0

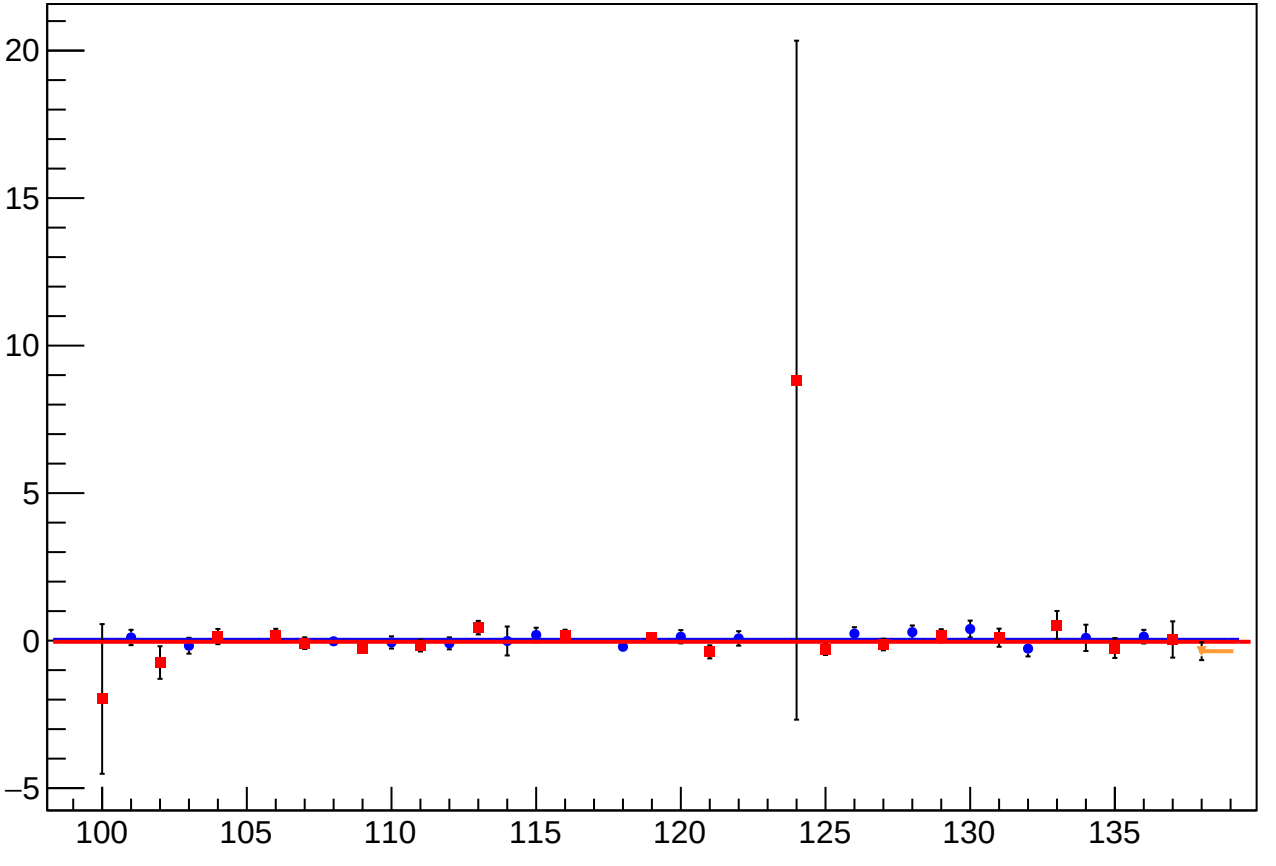
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 146.829+/-0.041 χ^2/NDF:998704.7/15

Out: 138.504+/-0.038 χ^2/NDF:1942142.7/19

All: 142.383+/-0.028 χ^2/NDF: 2963081.0/35

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: -0.358+/-0.303 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.358+/-0.303 χ^2/NDF: 0.0/0

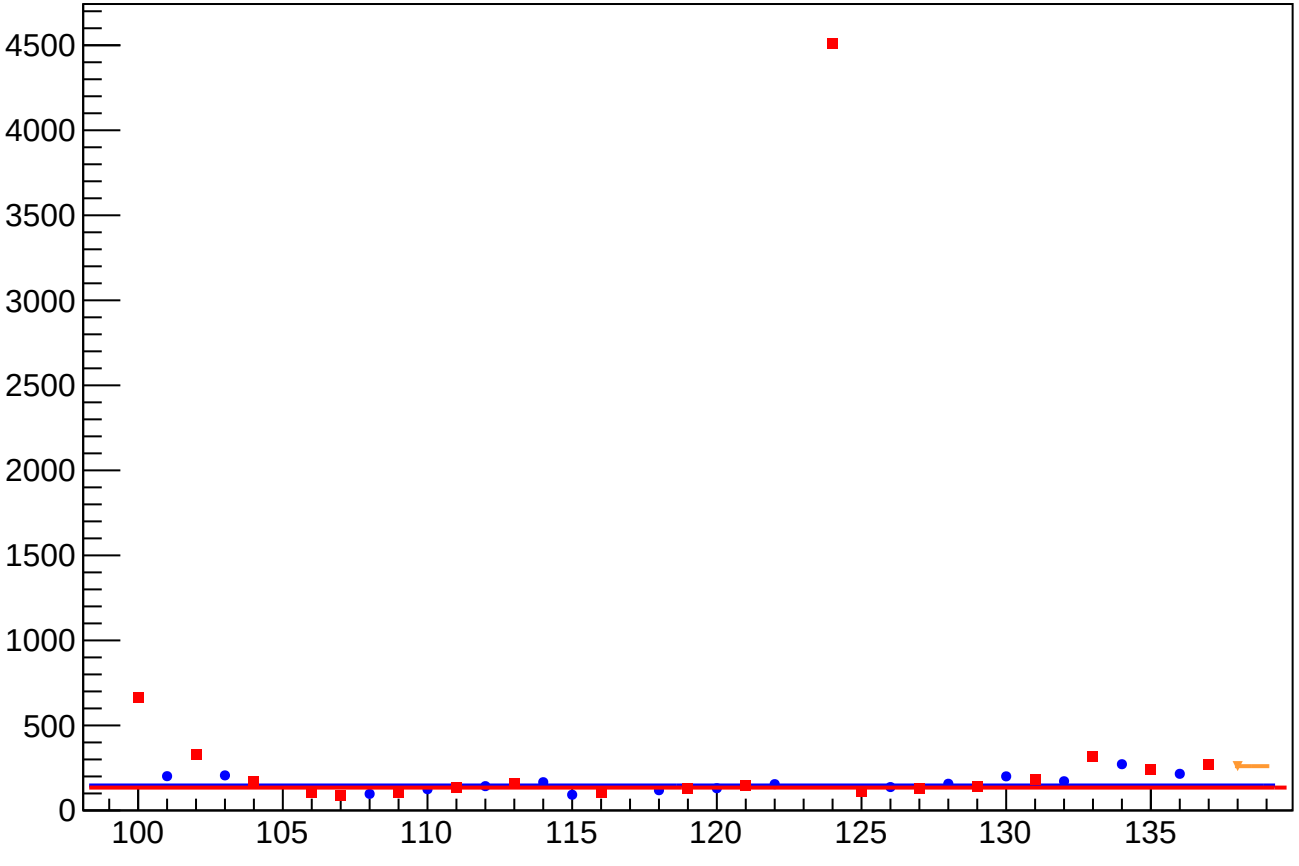
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.028+/-0.058 χ^2/NDF:9.4/15

Out: -0.049+/-0.054 χ^2/NDF:21.1/19

All: -0.013+/-0.039 χ^2/NDF: 31.5/35

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: 260.467+/-0.214 χ^2/NDF:0.0/0

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

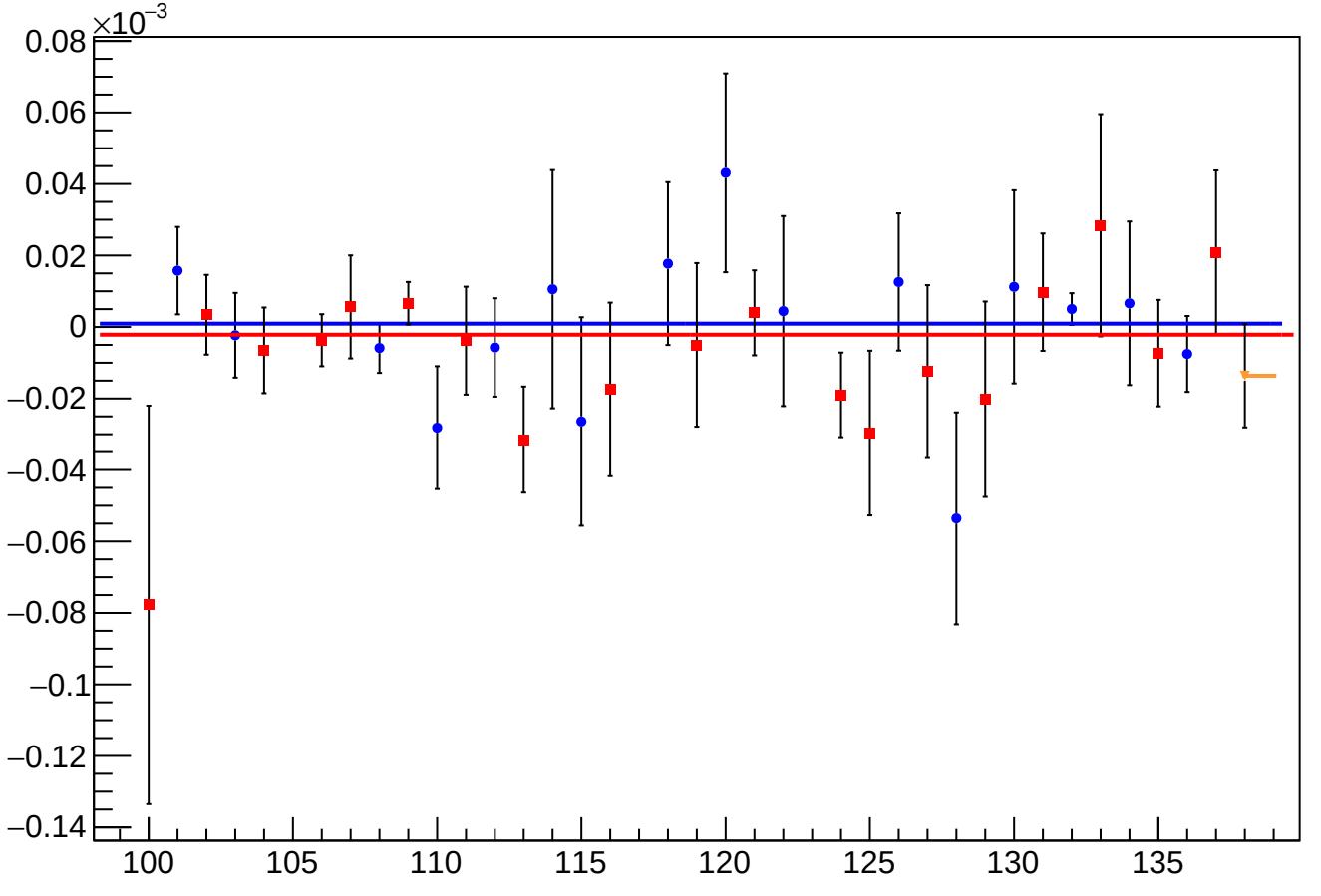
Left: 260.467+/-0.214 χ^2/NDF: 0.0/0

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 146.829+/-0.041 χ^2/NDF:998704.7/15

Out: 138.504+/-0.038 χ^2/NDF:1942142.7/19

All: 142.383+/-0.028 χ^2/NDF: 2963081.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

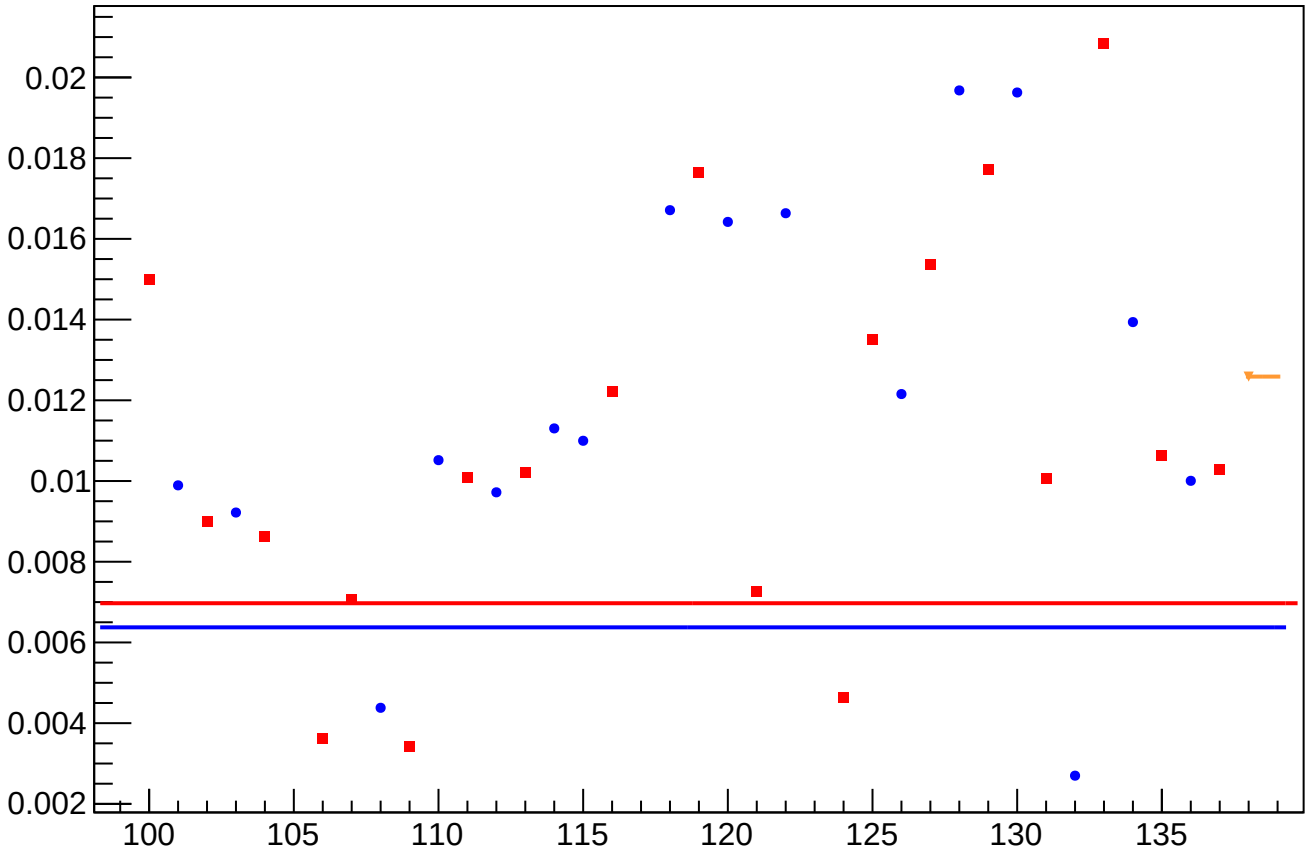
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:14.9/15

Out: -0.000+/-0.000 χ^2/NDF:16.7/19

All: -0.000+/-0.000 χ^2/NDF: 32.3/35



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.000 χ^2/NDF: 0.0/0

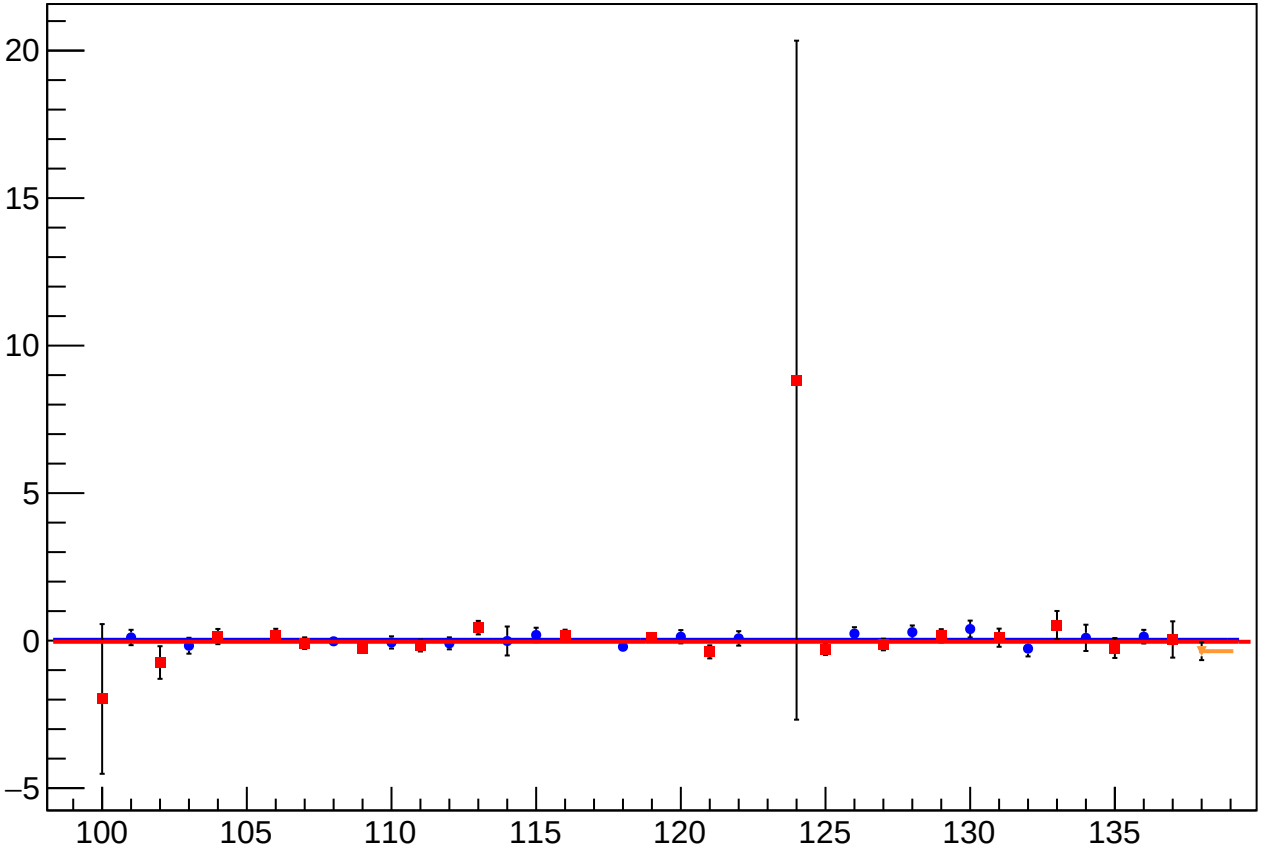
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:4639775.7/15

Out: 0.007+/-0.000 χ^2/NDF:3699326.7/19

All: 0.007+/-0.000 χ^2/NDF: 8419167.5/35

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: -0.358+/-0.303 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.358+/-0.303 χ^2/NDF: 0.0/0

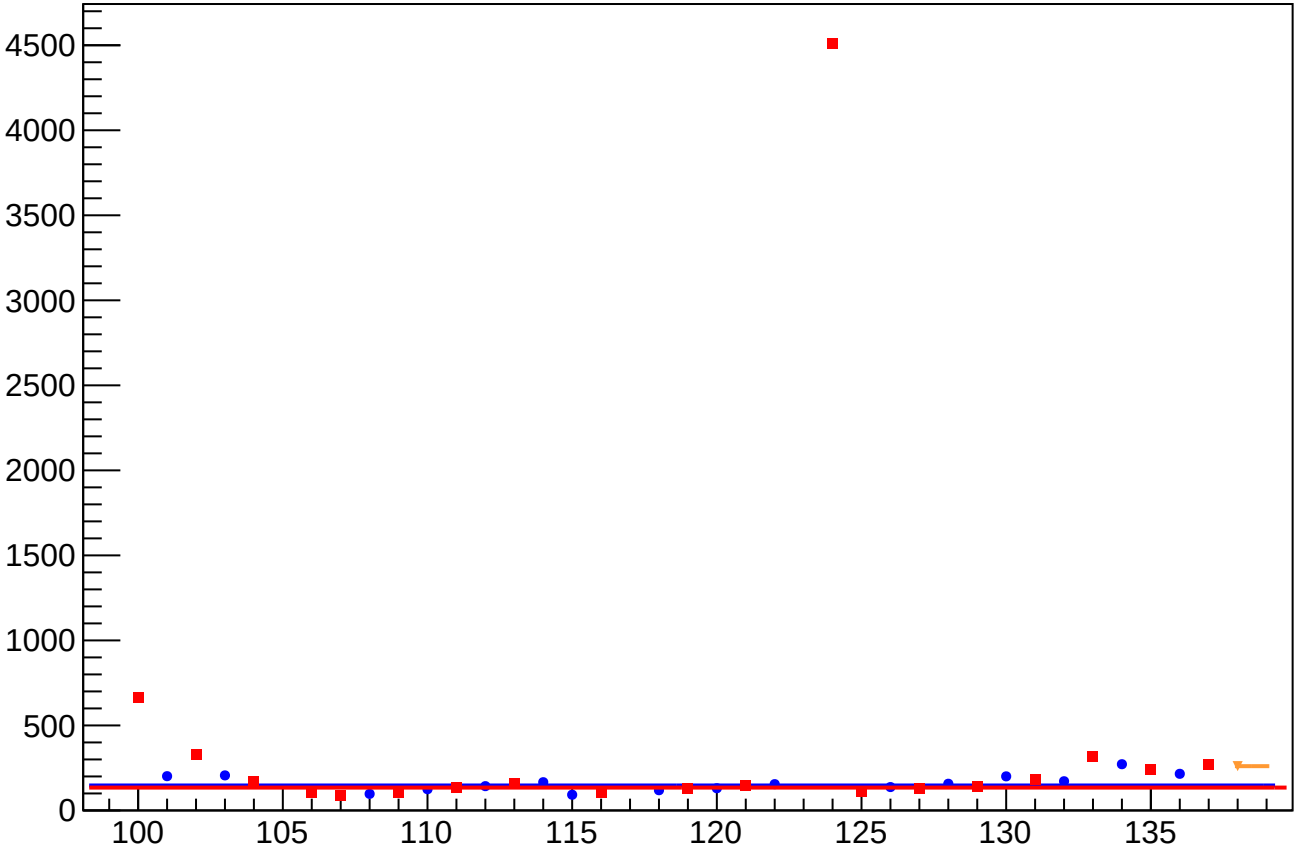
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.028+/-0.058 χ^2/NDF:9.4/15

Out: -0.049+/-0.054 χ^2/NDF:21.1/19

All: -0.013+/-0.039 χ^2/NDF: 31.5/35

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: 260.470+/-0.214 χ^2/NDF:0.0/0

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 260.470+/-0.214 χ^2/NDF: 0.0/0

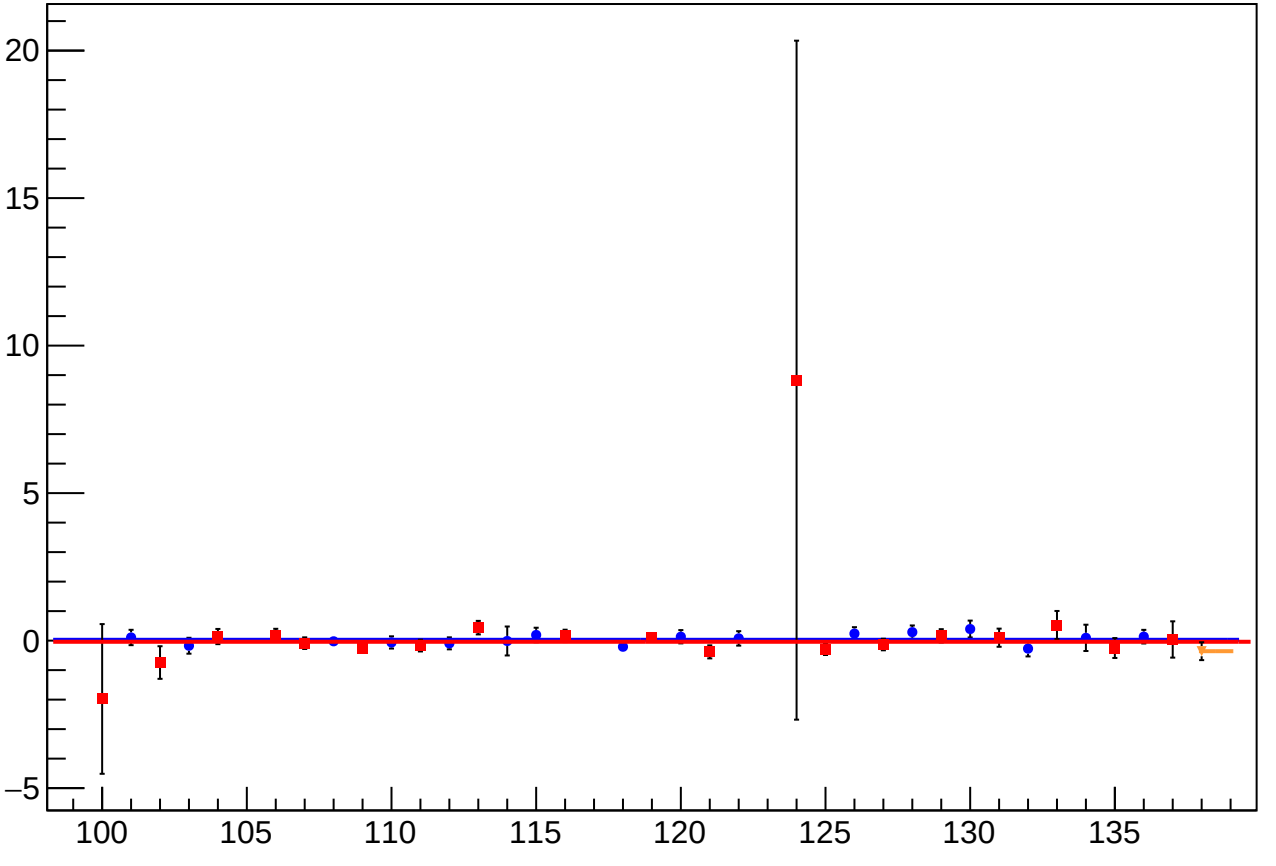
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 146.829+/-0.041 χ^2/NDF:998646.8/15

Out: 138.505+/-0.038 χ^2/NDF:1942074.0/19

All: 142.384+/-0.028 χ^2/NDF: 2962947.1/35

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: -0.358+/-0.303 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.358+/-0.303 χ^2/NDF: 0.0/0

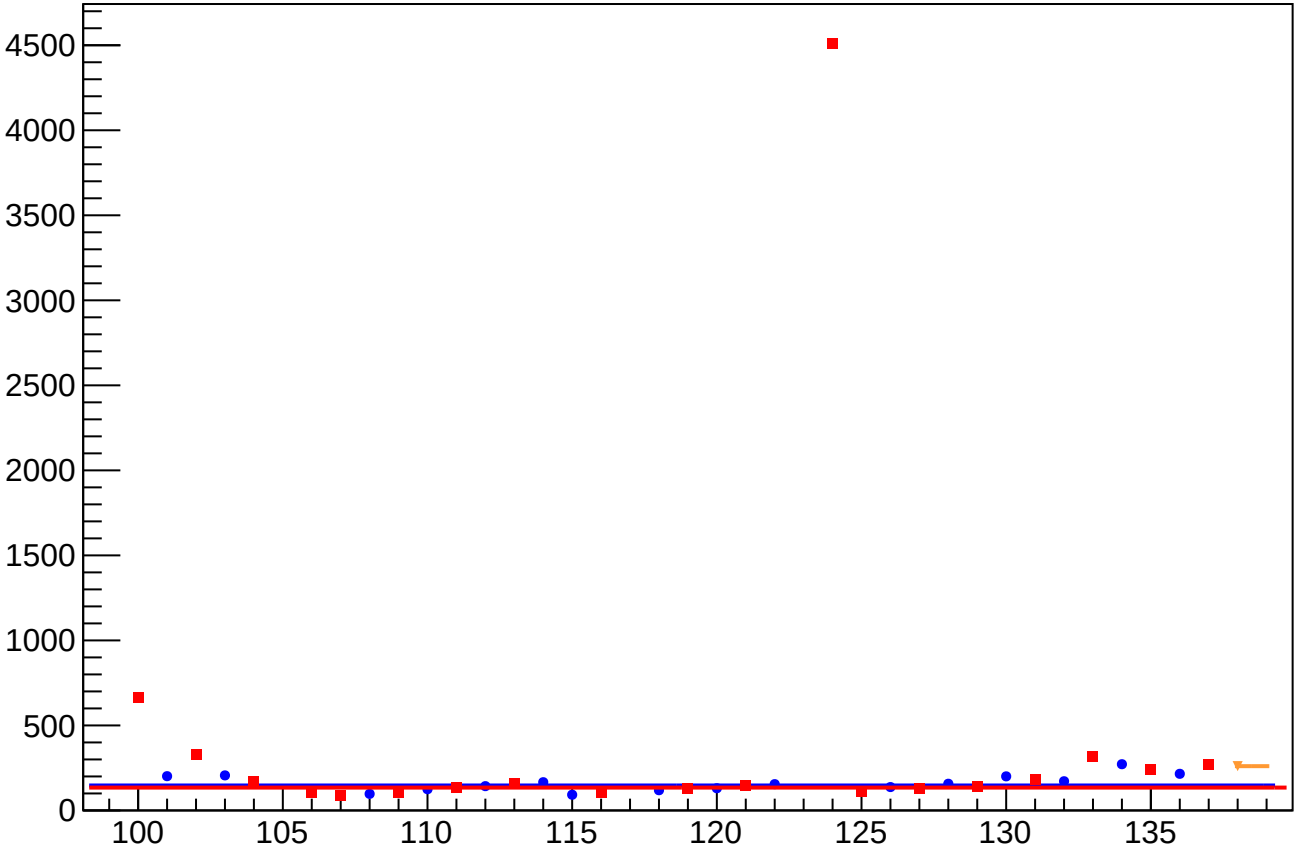
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.028+/-0.058 χ^2/NDF:9.4/15

Out: -0.049+/-0.054 χ^2/NDF:21.1/19

All: -0.013+/-0.039 χ^2/NDF: 31.5/35

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: 260.470+/-0.214 χ^2/NDF:0.0/0

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

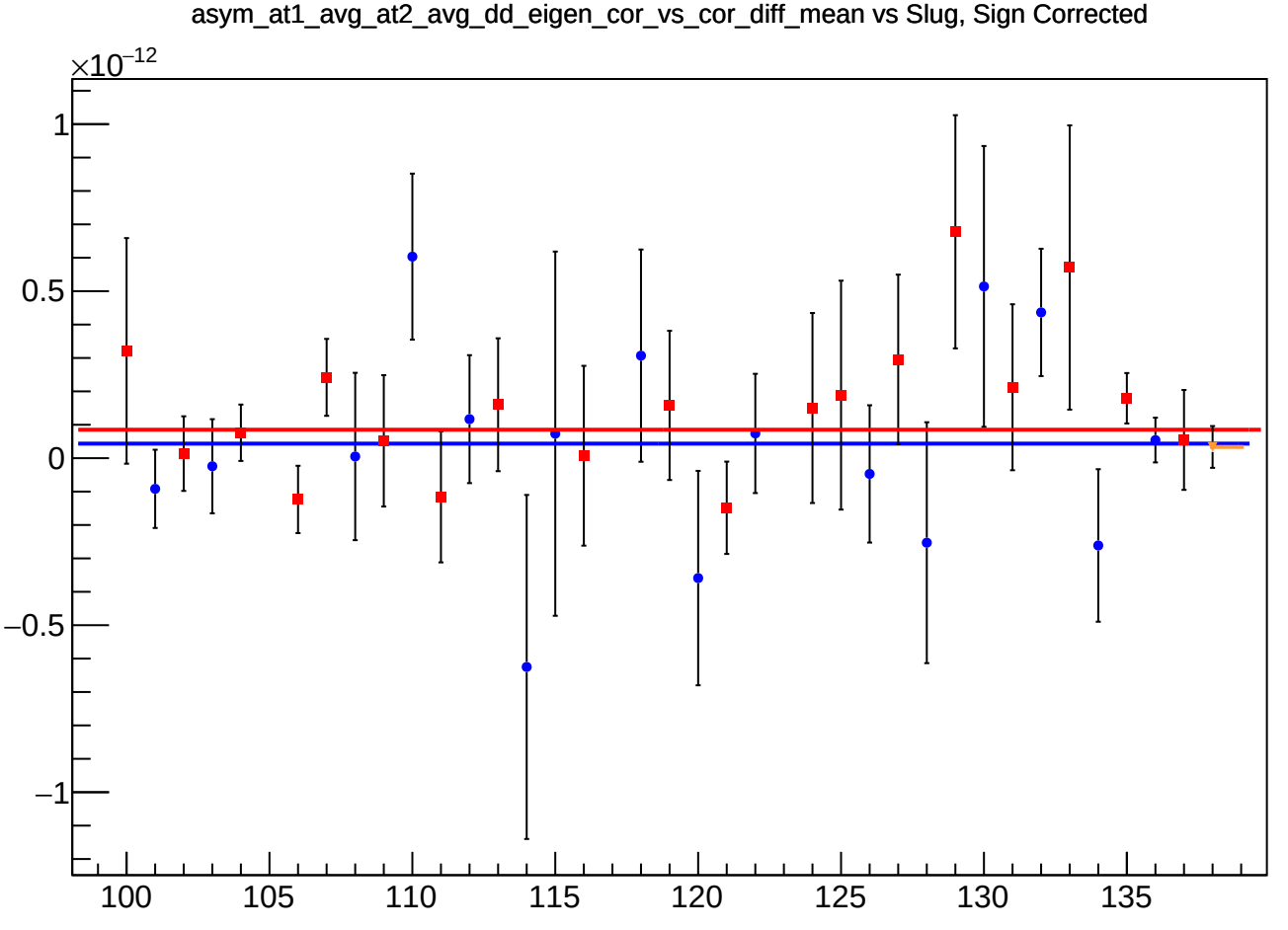
Left: 260.470+/-0.214 χ^2/NDF: 0.0/0

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 146.829+/-0.041 χ^2/NDF:998646.8/15

Out: 138.505+/-0.038 χ^2/NDF:1942074.0/19

All: 142.384+/-0.028 χ^2/NDF: 2962947.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

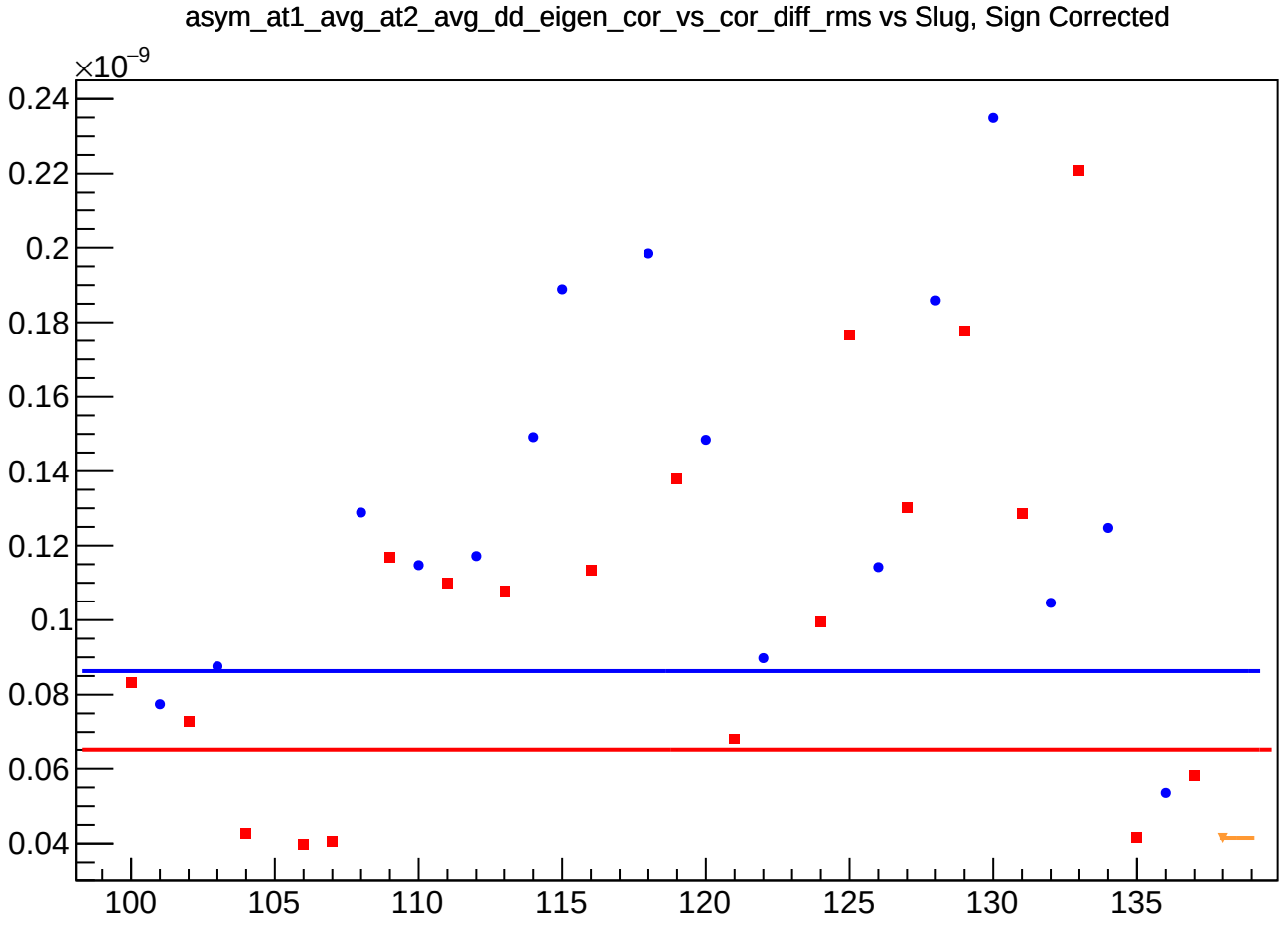
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:19.0/15

Out: 0.000+/-0.000 χ^2/NDF:18.7/19

All: 0.000+/-0.000 χ^2/NDF: 38.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

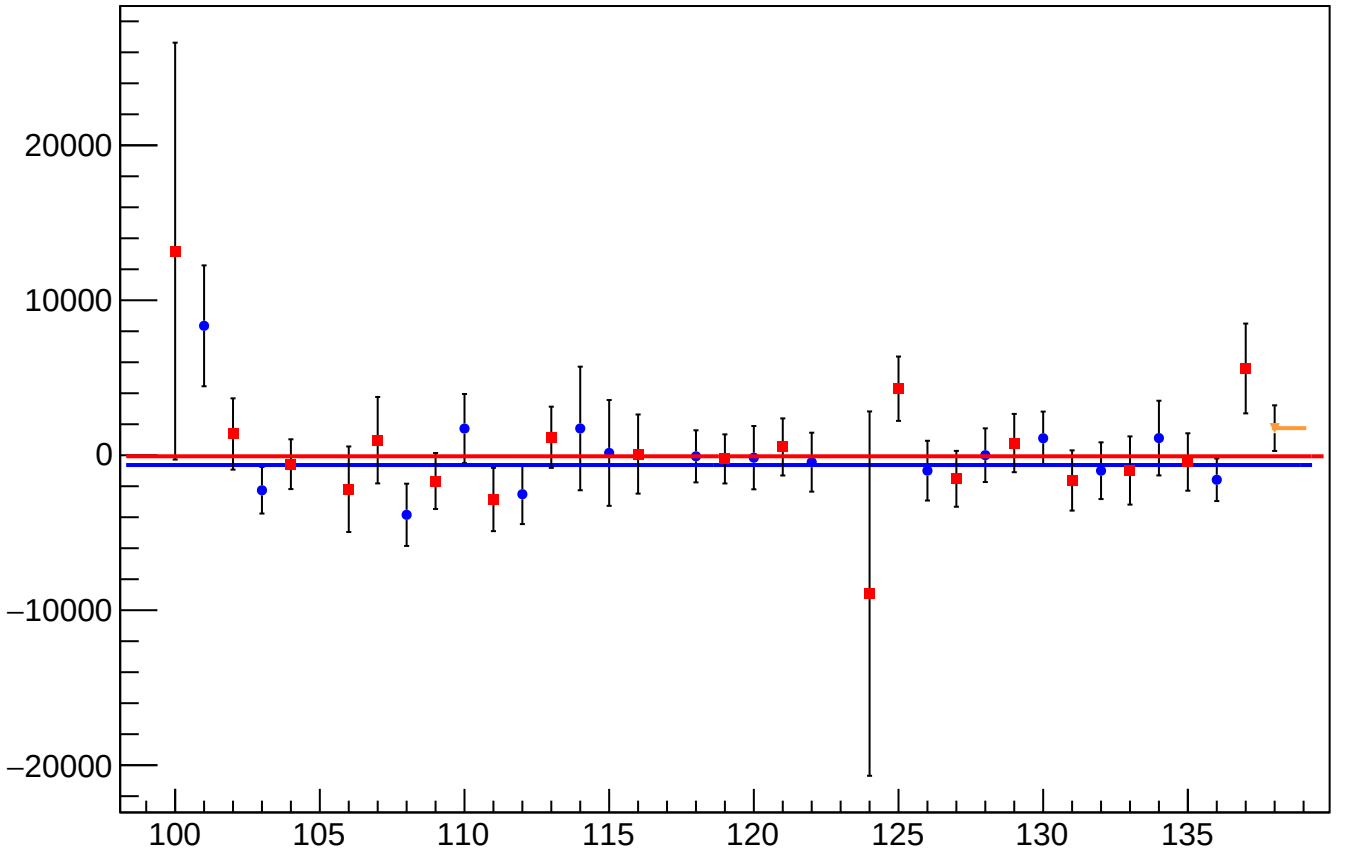
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:1565662.7/15

Out: 0.000+/-0.000 χ^2/NDF:2376860.5/19

All: 0.000+/-0.000 χ^2/NDF: 4465296.4/35



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1749.176+/-1472.063 χ^2/NDF:0.0/0

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

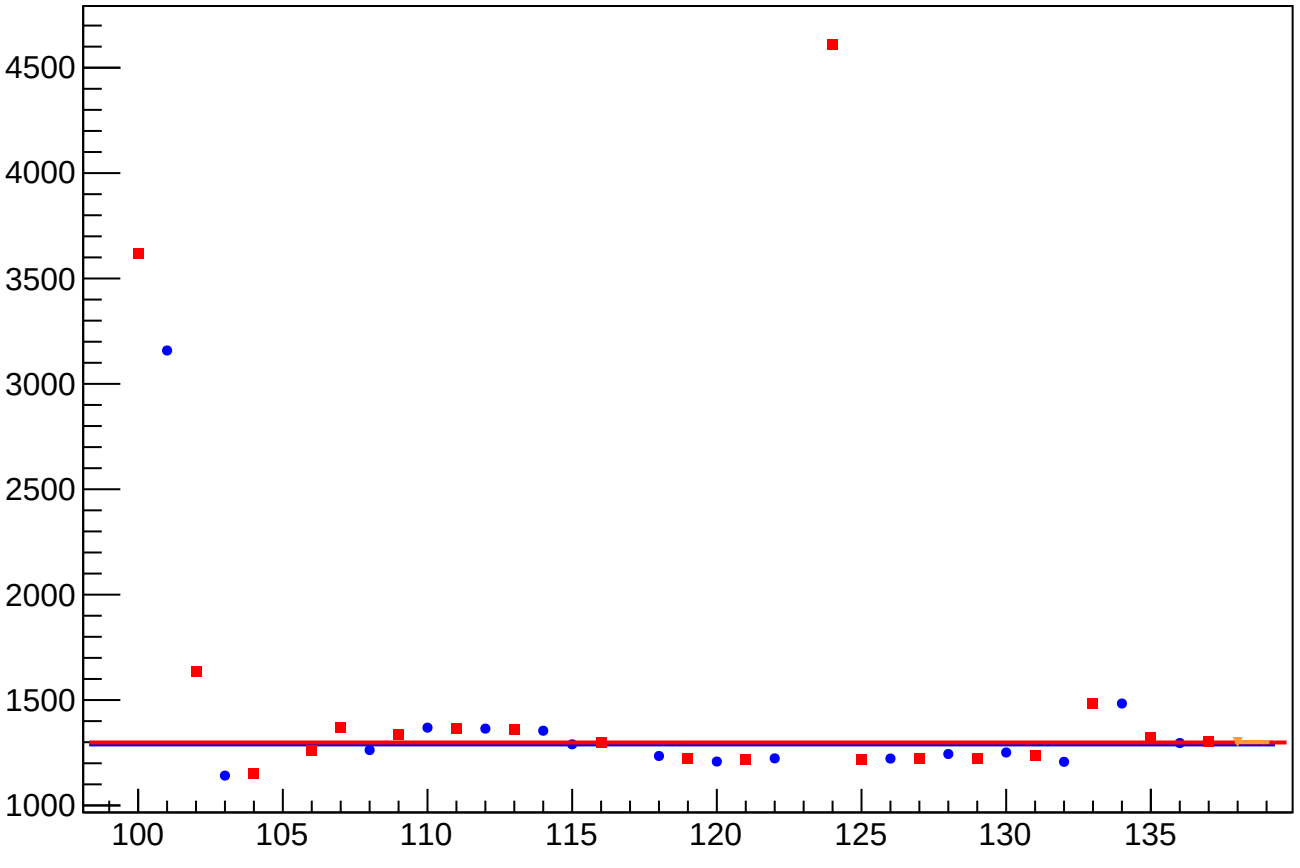
Left: 1749.176+/-1472.063 χ^2/NDF: 0.0/0

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -631.041+/-488.663 χ^2/NDF:13.9/15

Out: 112.092+/-463.006 χ^2/NDF:17.2/19

All: -239.454+/-336.099 χ^2/NDF: 32.4/35



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1300.423+/-1.041 χ^2/NDF:0.0/0

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1300.423+/-1.041 χ^2/NDF: 0.0/0

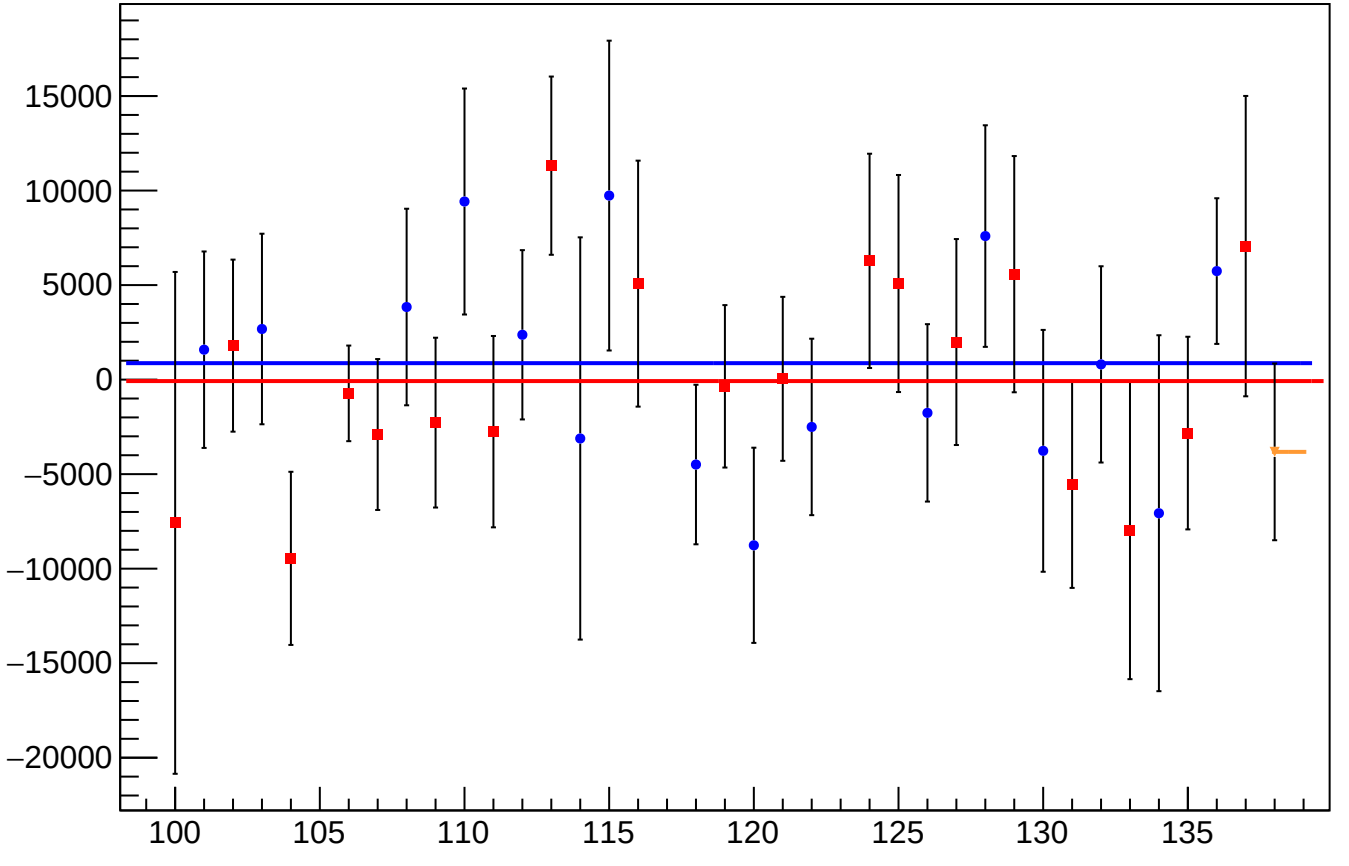
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1289.466+/-0.346 χ^2/NDF:514675.0/15

Out: 1298.830+/-0.327 χ^2/NDF:319377.5/19

All: 1294.411+/-0.237 χ^2/NDF: 834440.3/35

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -3822.471+/-4673.884 χ^2/NDF:0.0/0

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

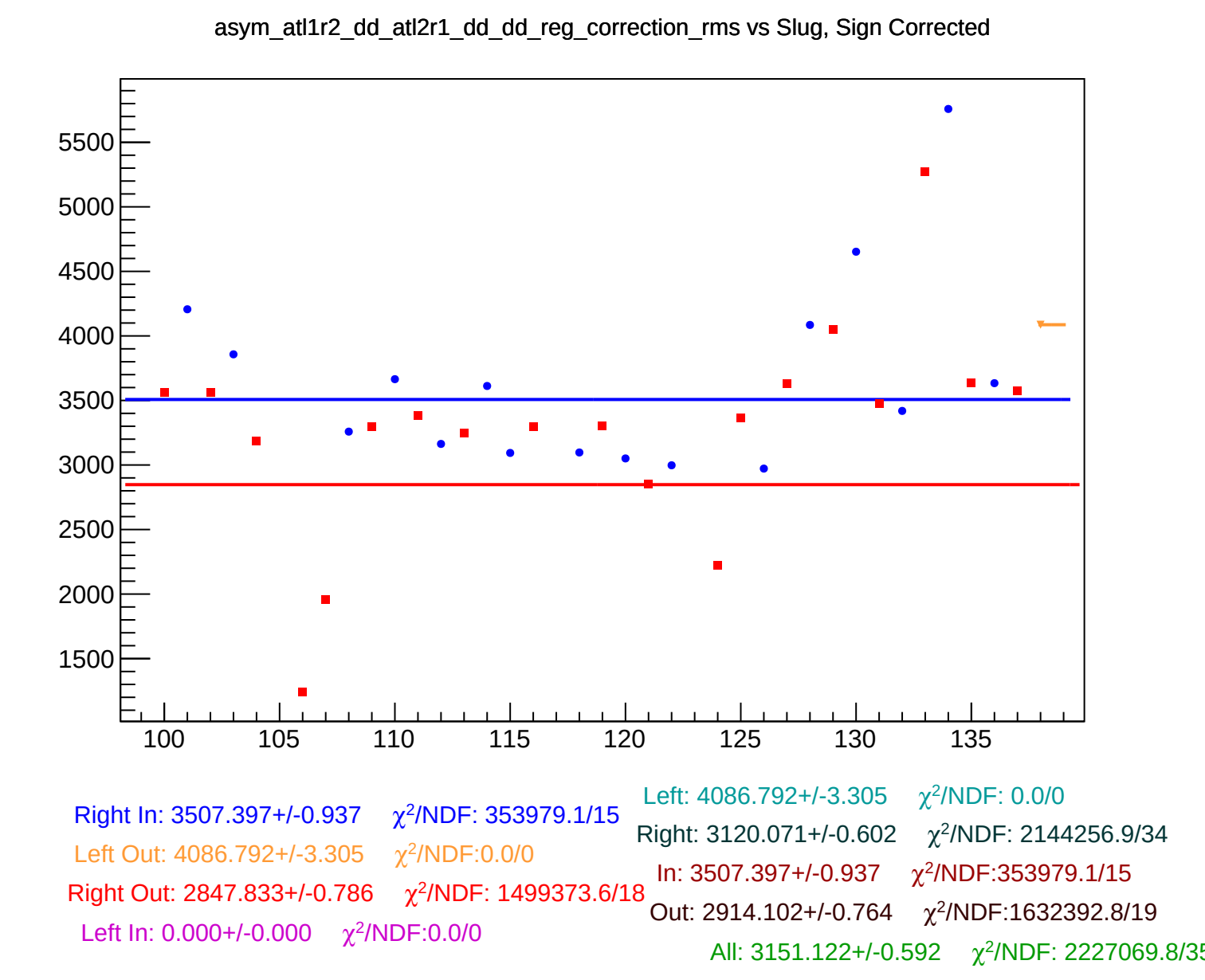
Left: -3822.471+/-4673.884 χ^2/NDF: 0.0/0

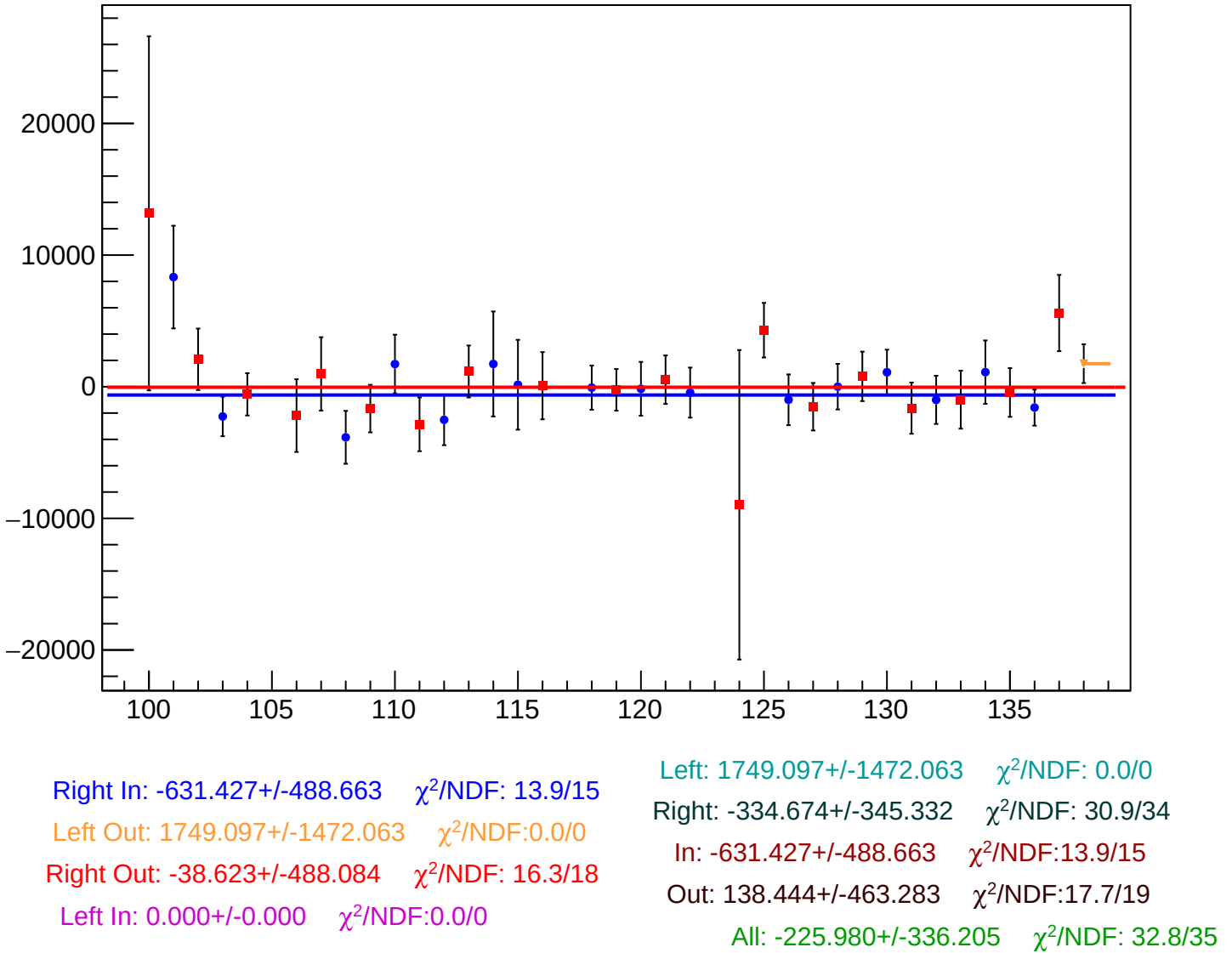
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

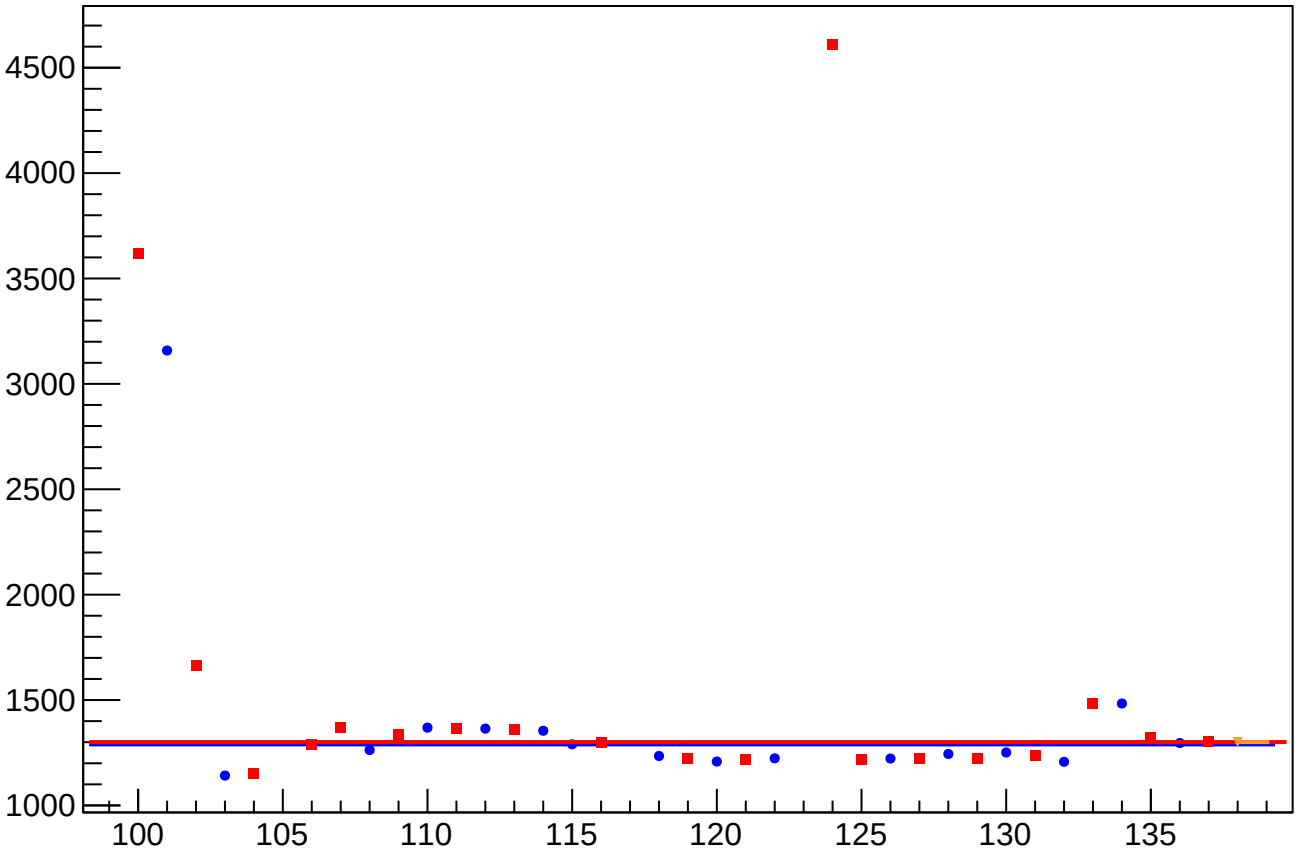
In: 870.295+/-1325.278 χ^2/NDF:14.0/15

Out: -277.644+/-1080.951 χ^2/NDF:19.0/19

All: 180.954+/-837.652 χ^2/NDF: 33.5/35


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
105
110
115
120
125
130
135
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 4086.792+/-3.305 χ²/NDF:0.0/0
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 4086.792+/-3.305 χ²/NDF: 0.0/0
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3507.397+/-0.937 χ²/NDF:353979.1/15
Out: 2914.102+/-0.764 χ²/NDF:1632392.8/19
All: 3151.122+/-0.592 χ²/NDF: 2227069.8/35


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 1749.097+/-1472.063 χ²/NDF:0.0/0
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1749.097+/-1472.063 χ²/NDF: 0.0/0
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -631.427+/-488.663 χ²/NDF:13.9/15
Out: 138.444+/-463.283 χ²/NDF:17.7/19
All: -225.980+/-336.205 χ²/NDF: 32.8/35



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.423+/-1.041 χ^2/NDF:0.0/0

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

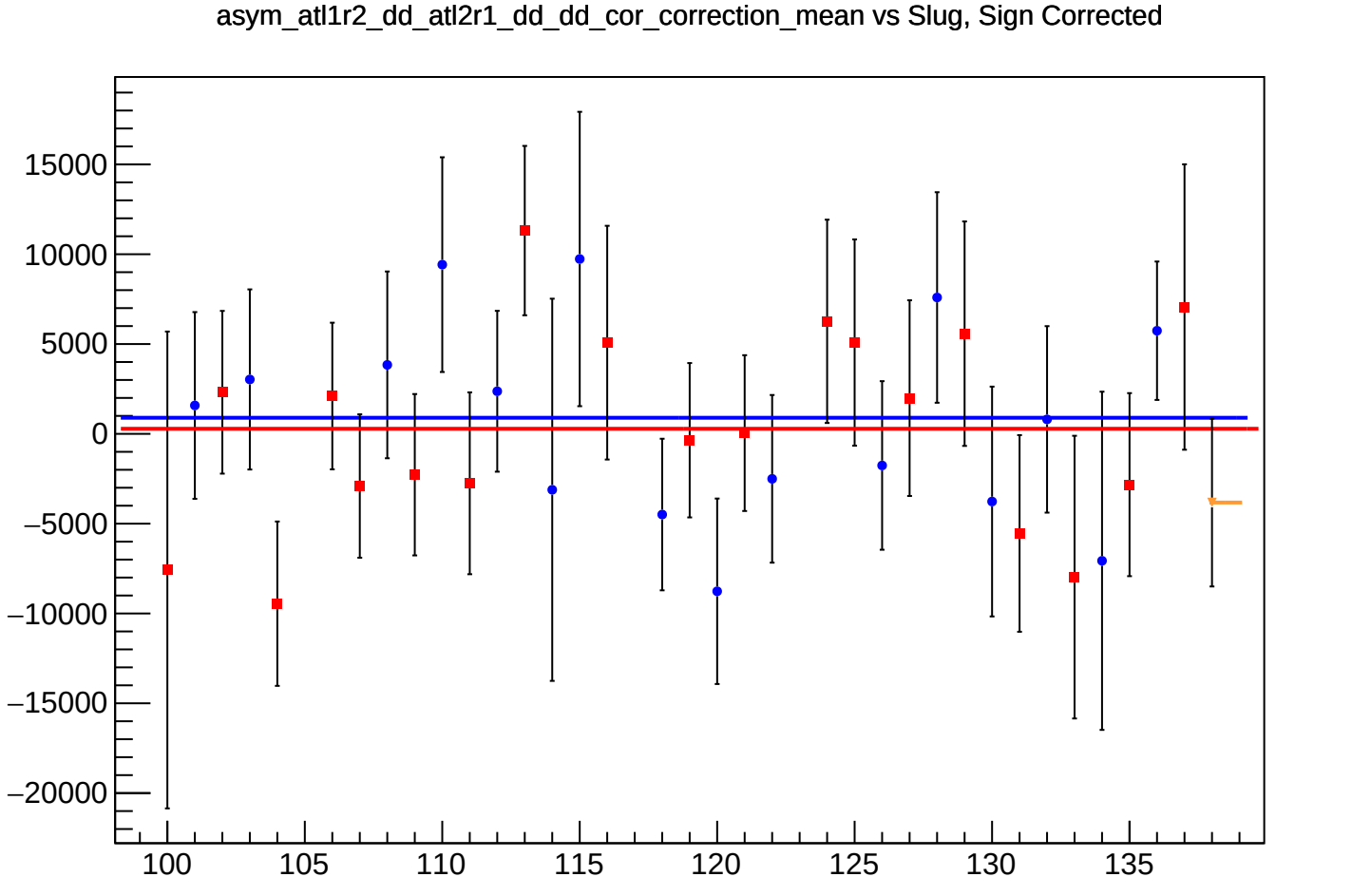
Left: 1300.423+/-1.041 χ^2/NDF: 0.0/0

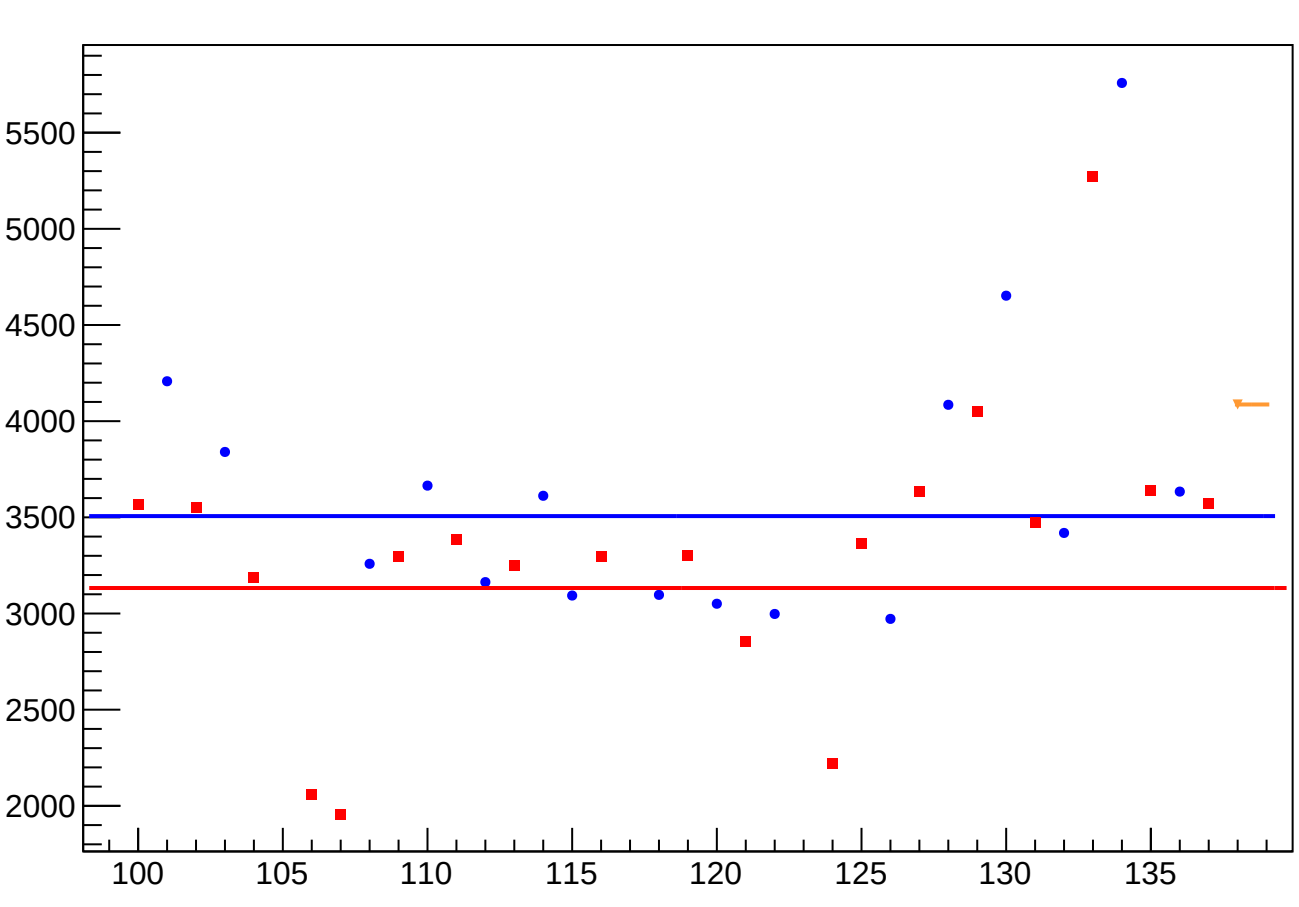
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.466+/-0.346 χ^2/NDF:514676.5/15

Out: 1300.658+/-0.327 χ^2/NDF:325907.7/19

All: 1295.370+/-0.238 χ^2/NDF: 841137.6/35


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
105
110
115
120
125
130
135
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -3822.622+/-4673.882 χ²/NDF:0.0/0
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -3822.622+/-4673.882 χ²/NDF: 0.0/0
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 896.017+/-1324.823 χ²/NDF:14.1/15
Out: 36.650+/-1146.991 χ²/NDF:19.3/19
All: 404.826+/-867.154 χ²/NDF: 33.7/35



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 4086.790+/-3.305 χ^2/NDF:0.0/0

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

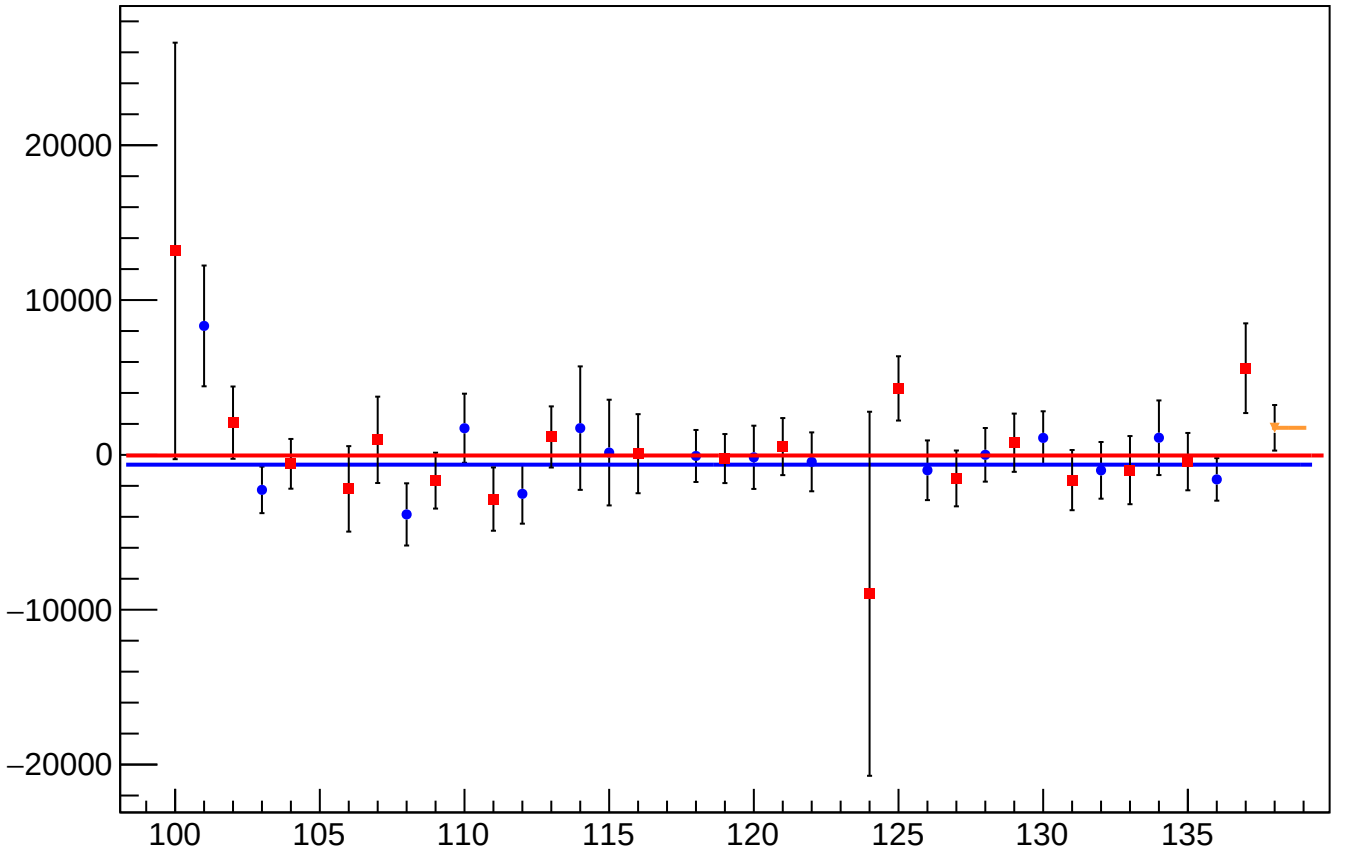
Left: 4086.790+/-3.305 χ^2/NDF: 0.0/0

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3506.484+/-0.937 χ^2/NDF:353237.7/15

Out: 3190.052+/-0.811 χ^2/NDF:727950.7/19

All: 3325.620+/-0.613 χ^2/NDF: 1146403.5/35



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1749.097+/-1472.063 χ^2/NDF:0.0/0

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

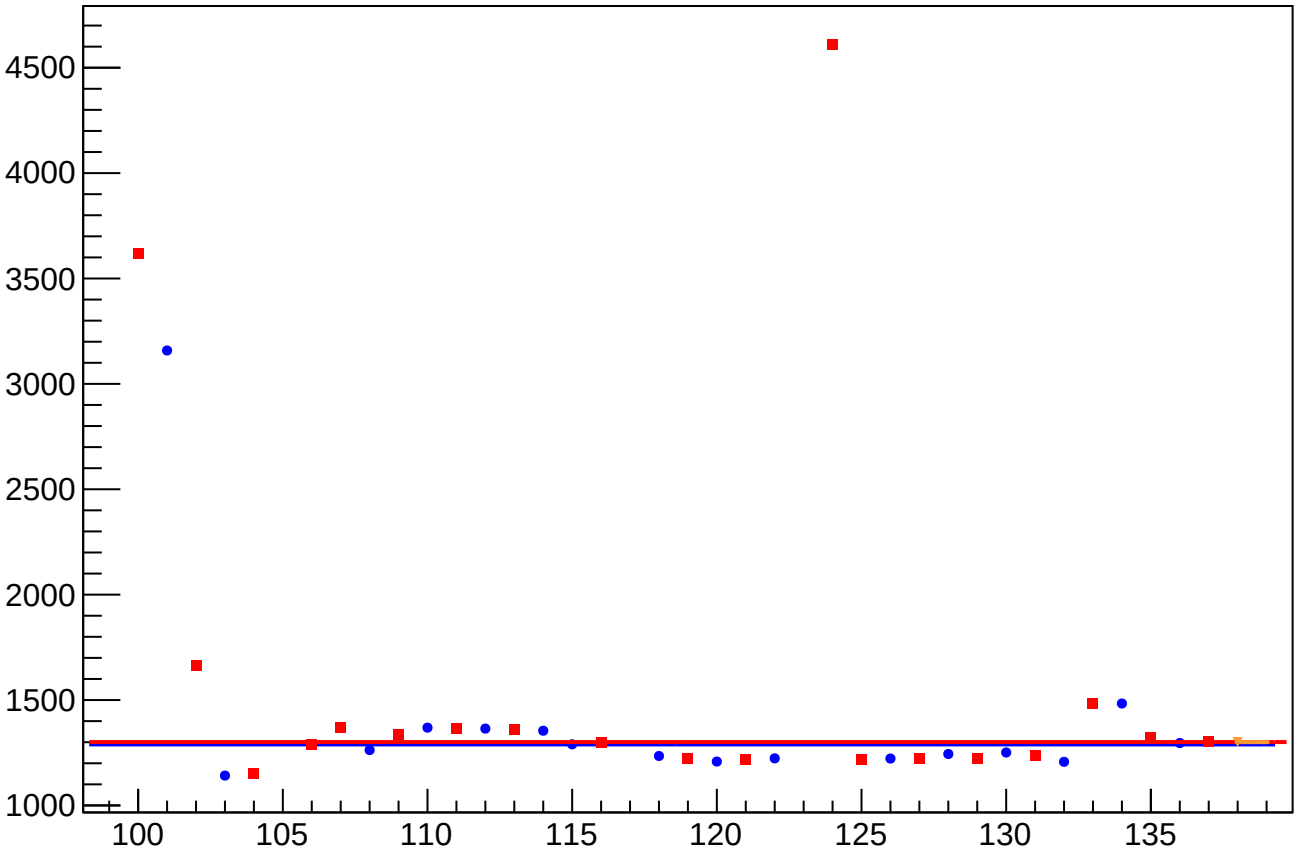
Left: 1749.097+/-1472.063 χ^2/NDF: 0.0/0

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -631.427+/-488.663 χ^2/NDF:13.9/15

Out: 138.444+/-463.283 χ^2/NDF:17.7/19

All: -225.980+/-336.205 χ^2/NDF: 32.8/35



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.423+/-1.041 χ^2/NDF:0.0/0

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

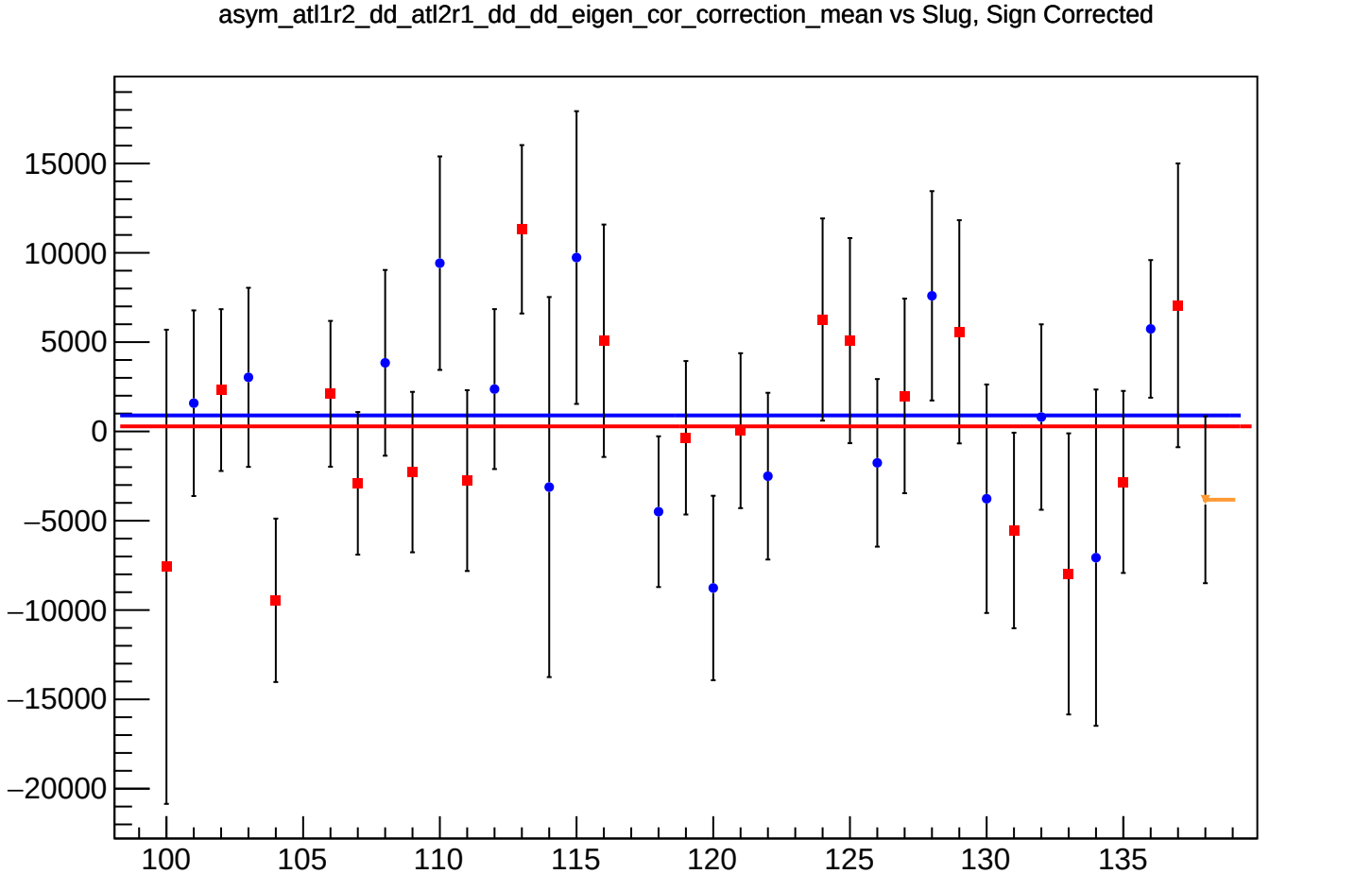
Left: 1300.423+/-1.041 χ^2/NDF: 0.0/0

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.466+/-0.346 χ^2/NDF:514676.5/15

Out: 1300.658+/-0.327 χ^2/NDF:325907.7/19

All: 1295.370+/-0.238 χ^2/NDF: 841137.6/35



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3822.622+/-4673.882 χ^2/NDF:0.0/0

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

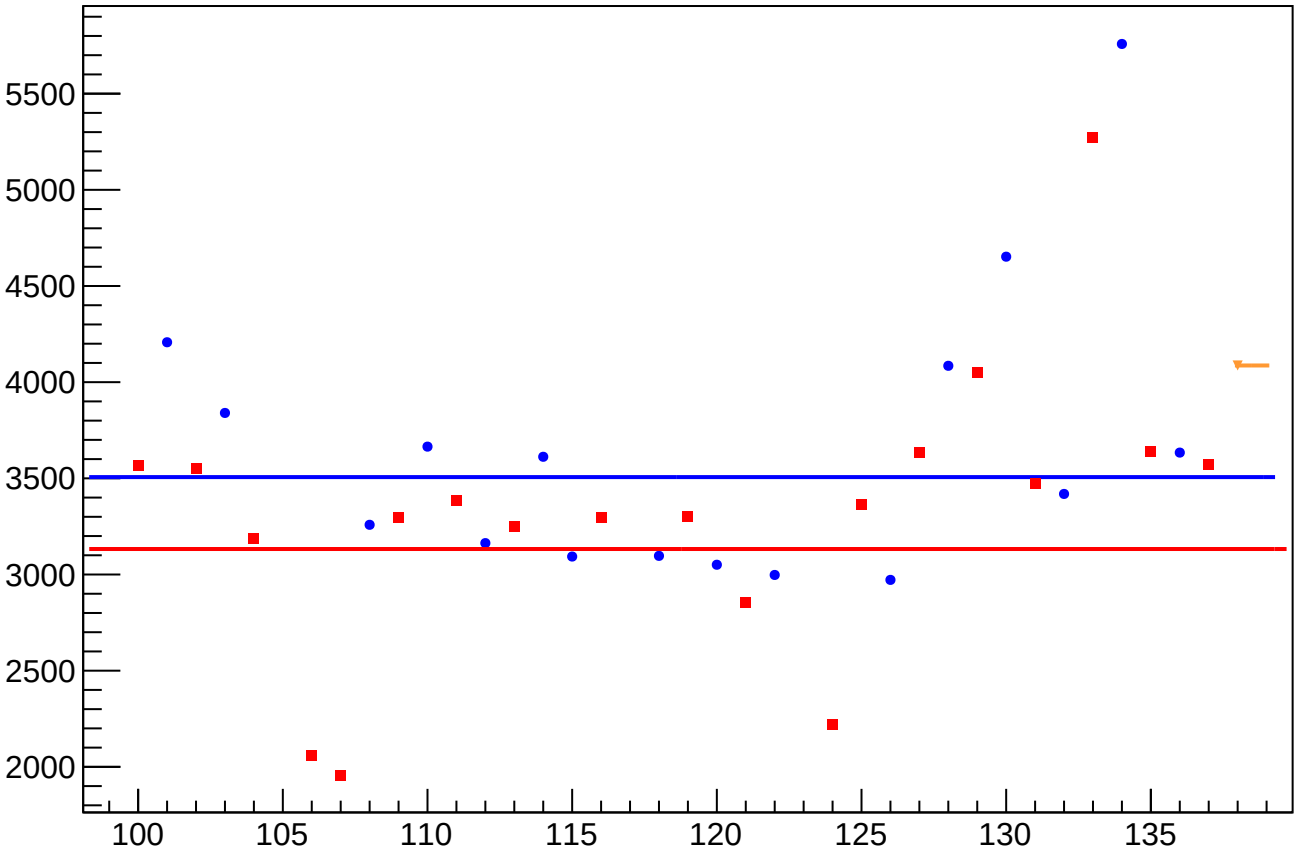
Left: -3822.622+/-4673.882 χ^2/NDF: 0.0/0

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 896.017+/-1324.823 χ^2/NDF:14.1/15

Out: 36.650+/-1146.991 χ^2/NDF:19.3/19

All: 404.826+/-867.154 χ^2/NDF: 33.7/35



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 4086.790+/-3.305 χ^2/NDF:0.0/0

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4086.790+/-3.305 χ^2/NDF: 0.0/0

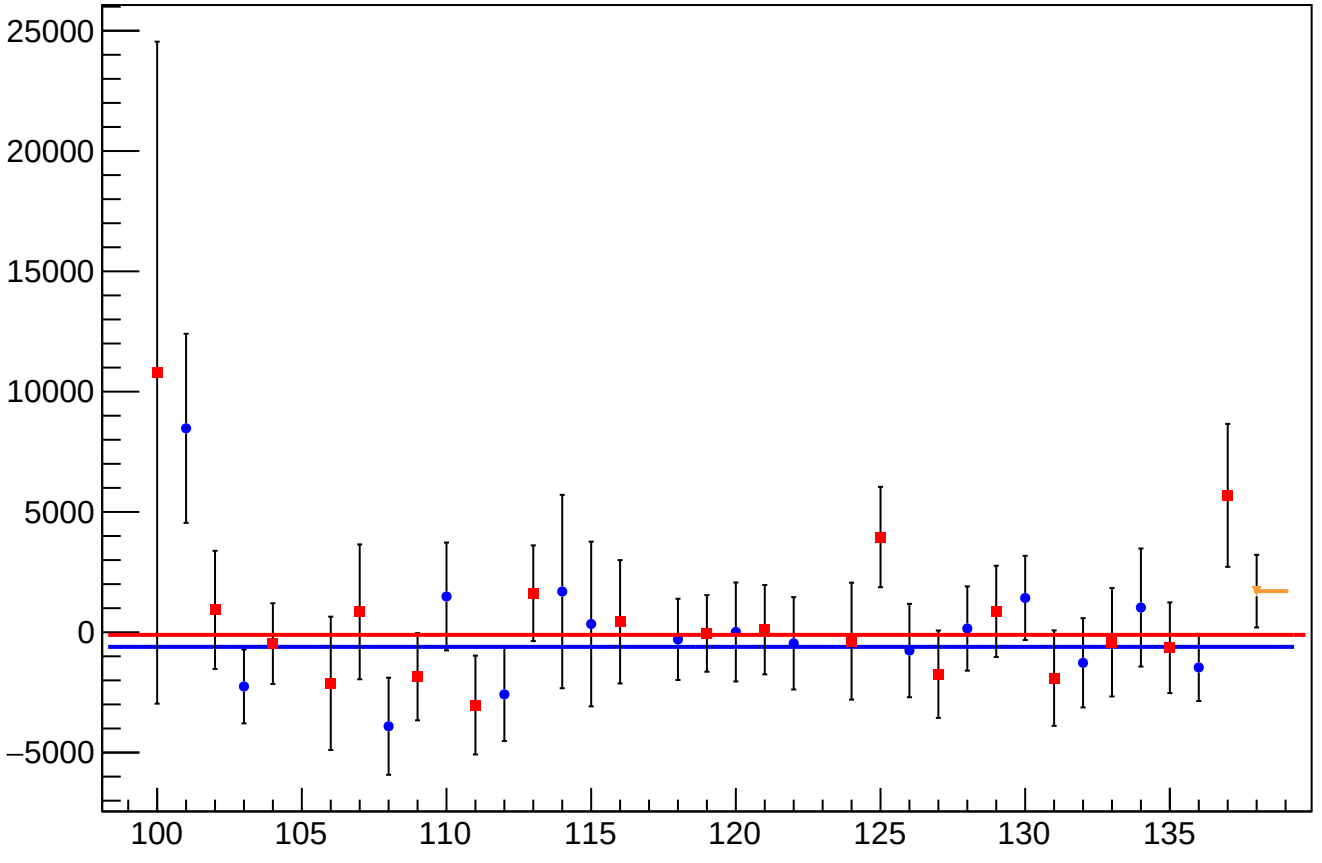
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3506.484+/-0.937 χ^2/NDF:353237.7/15

Out: 3190.052+/-0.811 χ^2/NDF:727950.7/19

All: 3325.620+/-0.613 χ^2/NDF: 1146403.5/35

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: 1709.032+/-1509.647 χ^2/NDF:0.0/0

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

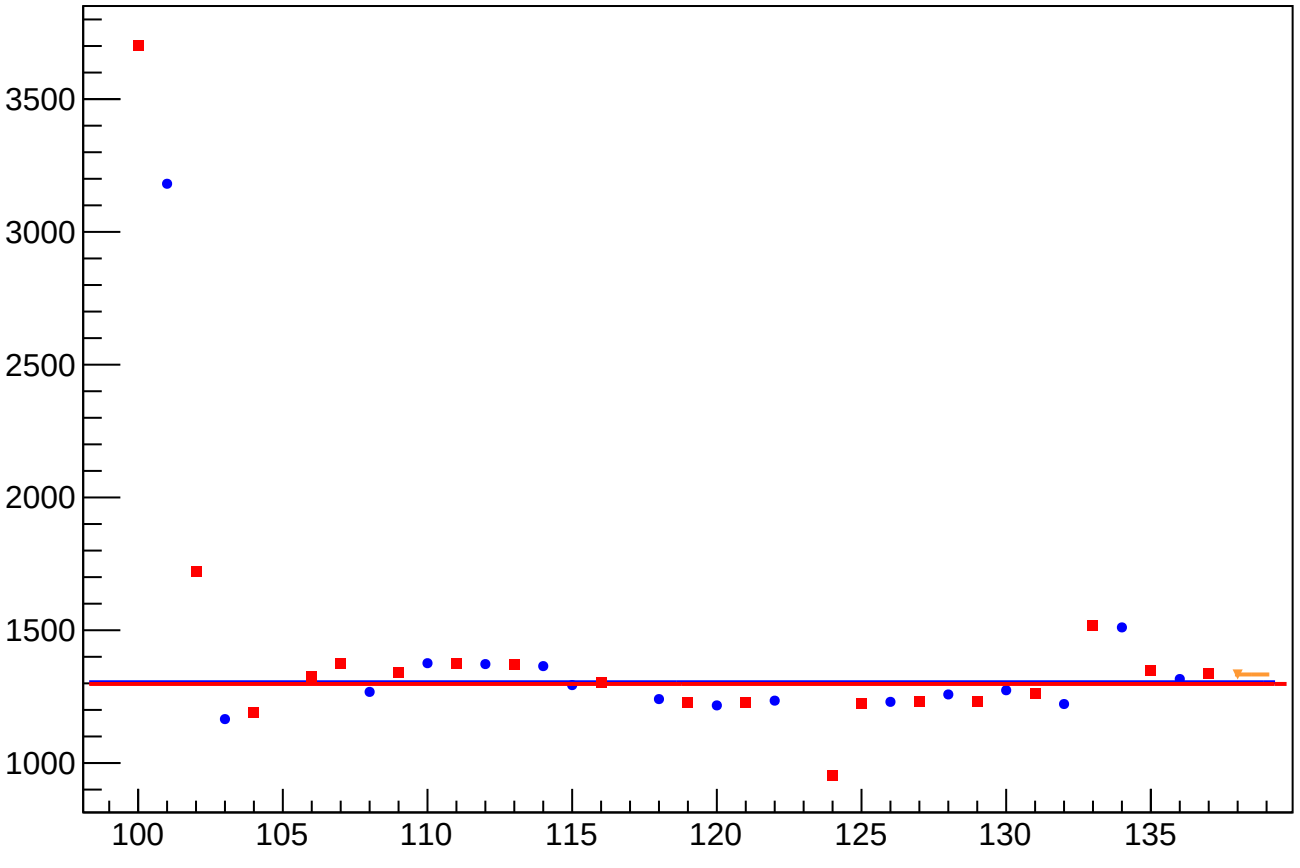
Left: 1709.032+/-1509.647 χ^2/NDF: 0.0/0

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -607.831+/-494.182 χ^2/NDF:14.1/15

Out: 61.790+/-462.232 χ^2/NDF:16.2/19

All: -250.676+/-337.578 χ^2/NDF: 31.3/35



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1333.477+/-1.067 χ^2/NDF:0.0/0

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

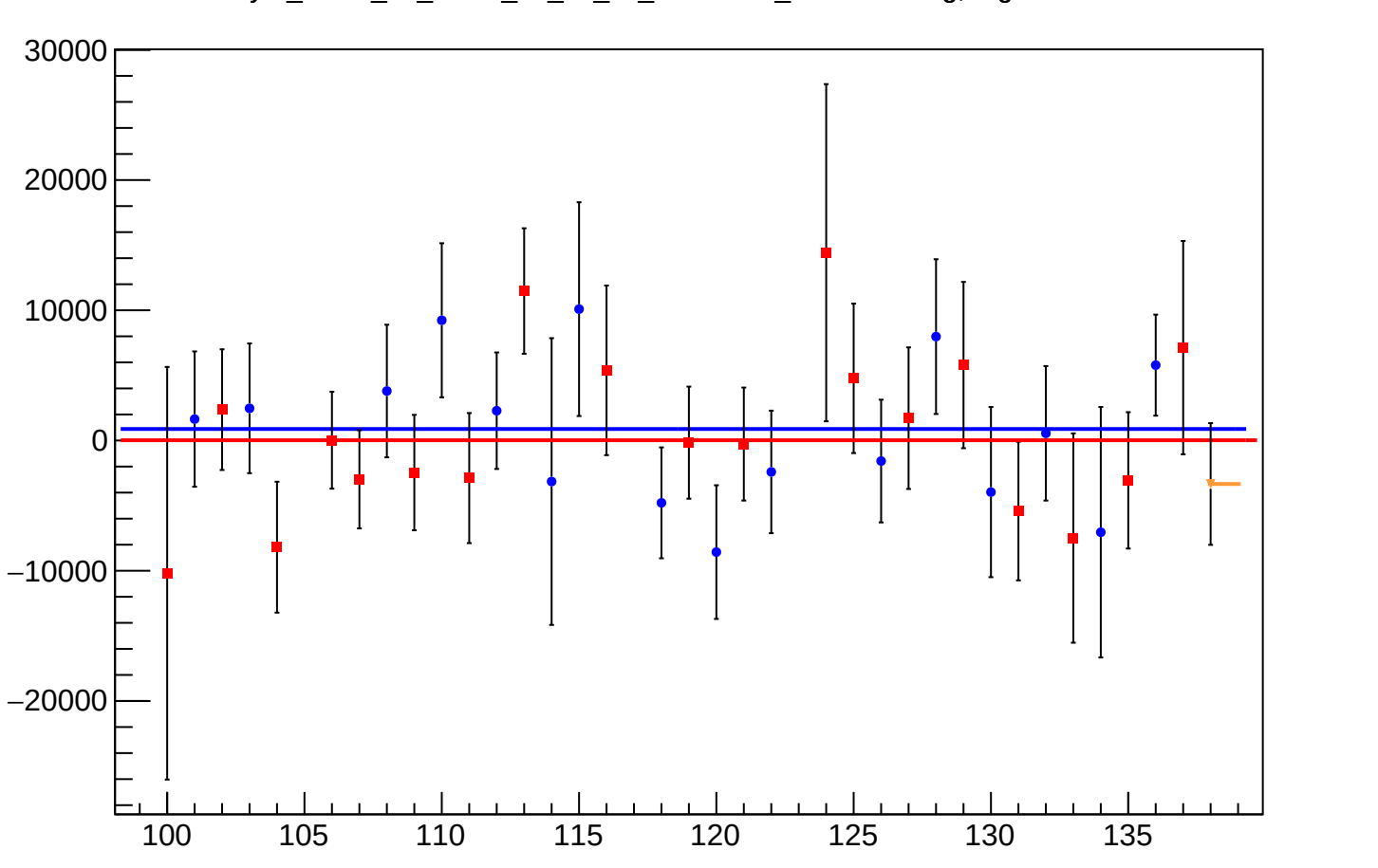
Left: 1333.477+/-1.067 χ^2/NDF: 0.0/0

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1304.102+/-0.349 χ^2/NDF:510589.4/15

Out: 1301.137+/-0.327 χ^2/NDF:214109.5/19

All: 1302.520+/-0.239 χ^2/NDF: 724737.4/35



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3338.973+/-4673.285 χ^2/NDF:0.0/0

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -3338.973+/-4673.285 χ^2/NDF: 0.0/0

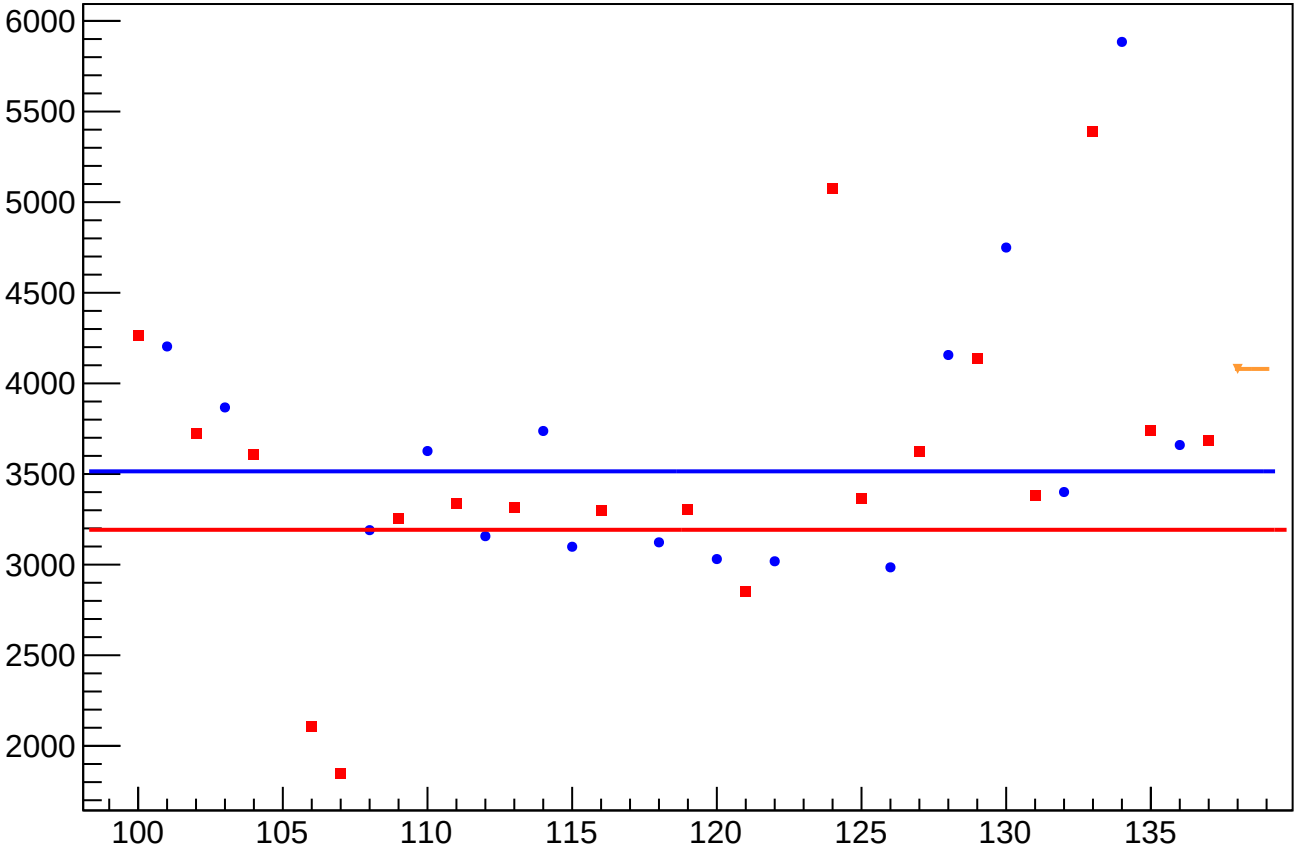
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 884.058+/-1327.399 χ^2/NDF:14.1/15

Out: -187.141+/-1162.307 χ^2/NDF:17.3/19

All: 277.738+/-874.453 χ^2/NDF: 31.8/35

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: 4079.841+/-3.305 χ^2/NDF:0.0/0

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

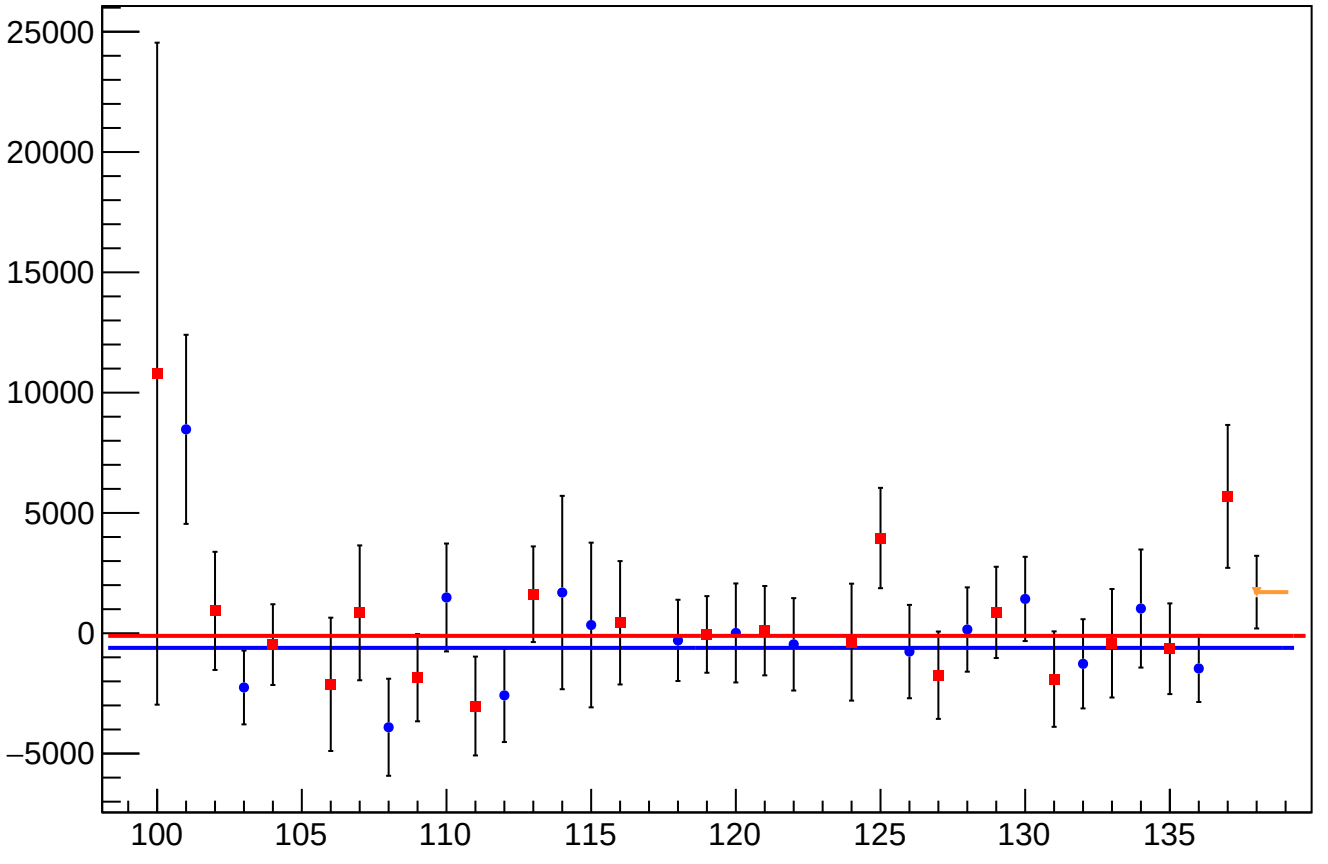
Left: 4079.841+/-3.305 χ^2/NDF: 0.0/0

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3514.746+/-0.939 χ^2/NDF:375078.6/15

Out: 3247.111+/-0.822 χ^2/NDF:840185.8/19

All: 3363.259+/-0.618 χ^2/NDF: 1261284.0/35



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1709.015+/-1509.647 χ^2/NDF:0.0/0

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

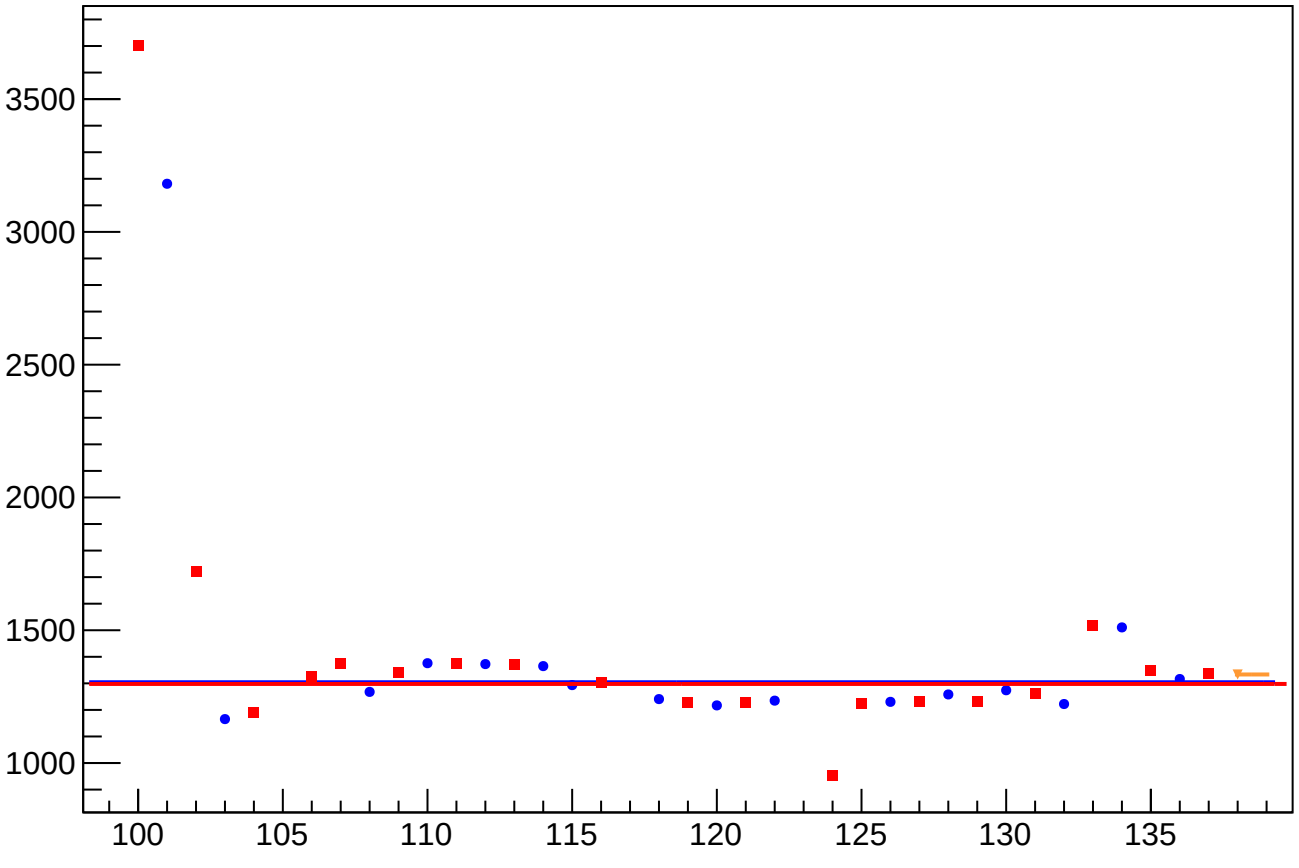
Left: 1709.015+/-1509.647 χ^2/NDF: 0.0/0

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -607.834+/-494.182 χ^2/NDF:14.1/15

Out: 61.783+/-462.232 χ^2/NDF:16.2/19

All: -250.682+/-337.578 χ^2/NDF: 31.3/35



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1333.477+/-1.067 χ^2/NDF:0.0/0

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

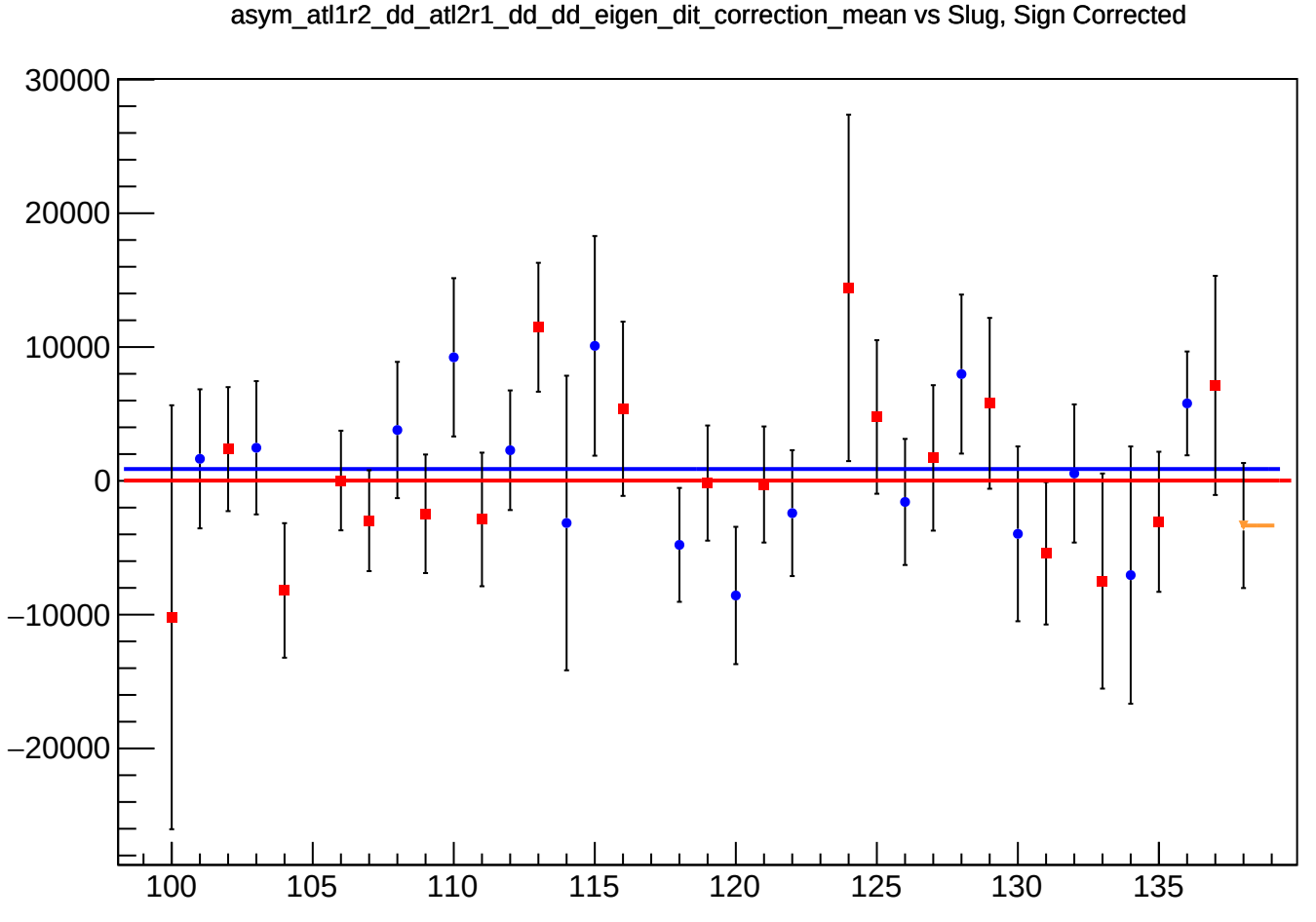
Left: 1333.477+/-1.067 χ^2/NDF: 0.0/0

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1304.102+/-0.349 χ^2/NDF:510589.6/15

Out: 1301.137+/-0.327 χ^2/NDF:214109.7/19

All: 1302.520+/-0.239 χ^2/NDF: 724737.7/35



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3338.986+/-4673.298 χ^2/NDF:0.0/0

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

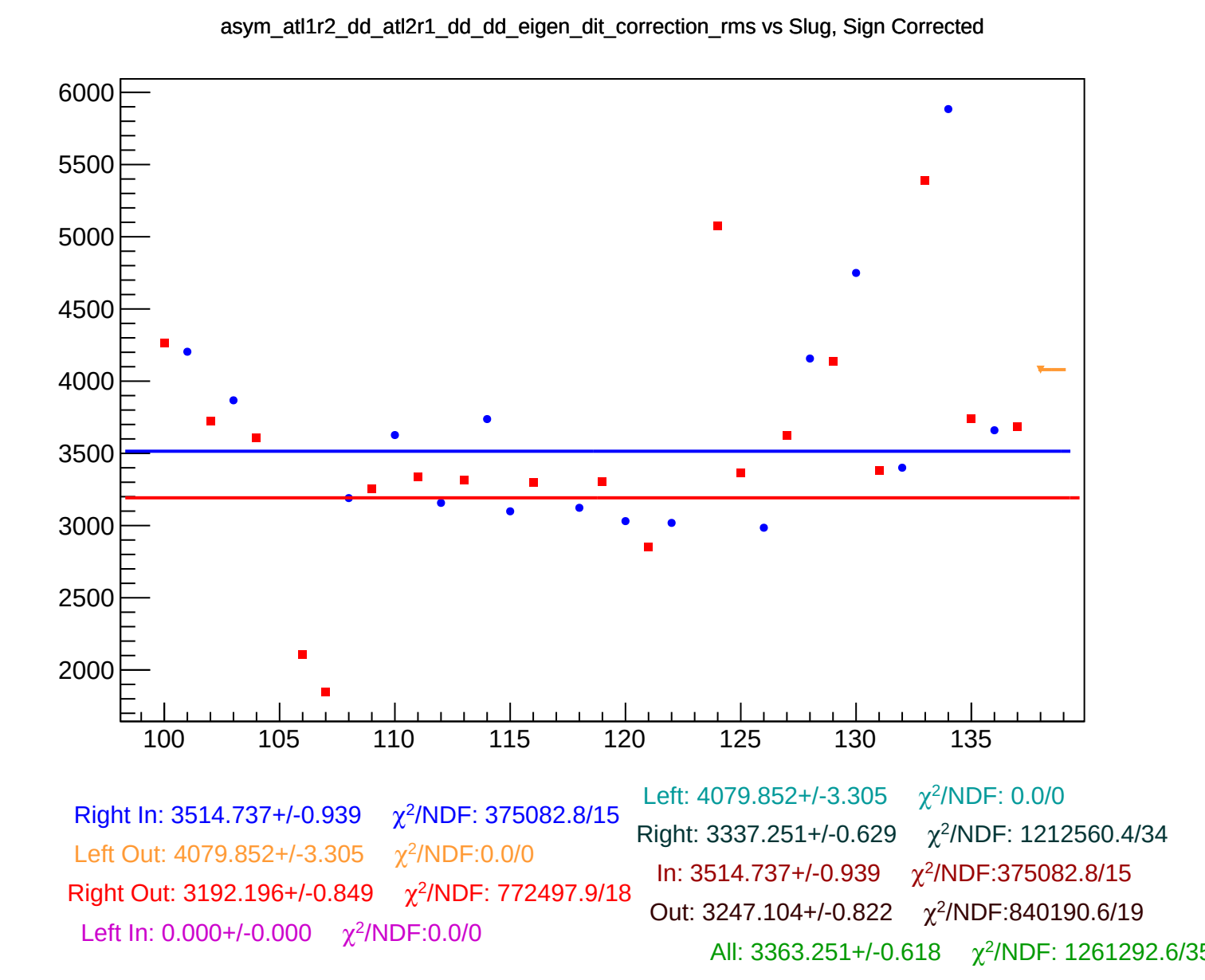
Left: -3338.986+/-4673.298 χ^2/NDF: 0.0/0

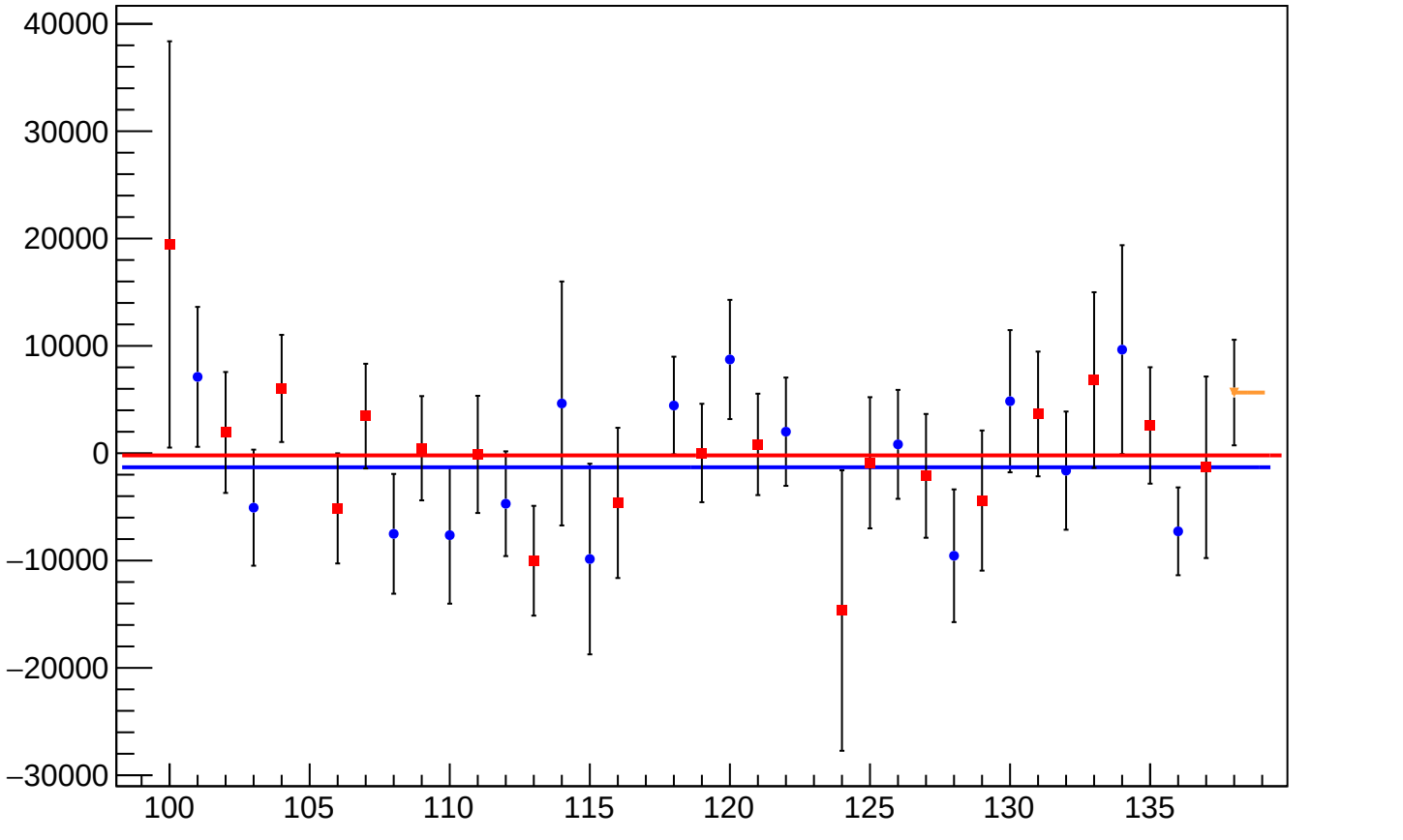
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 884.047+/-1327.396 χ^2/NDF:14.1/15

Out: -187.143+/-1162.305 χ^2/NDF:17.3/19

All: 277.733+/-874.451 χ^2/NDF: 31.8/35


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
105
110
115
120
125
130
135
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 4079.852+/-3.305 χ²/NDF:0.0/0
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 4079.852+/-3.305 χ²/NDF: 0.0/0
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3514.737+/-0.939 χ²/NDF:375082.8/15
Out: 3247.104+/-0.822 χ²/NDF:840190.6/19
All: 3363.251+/-0.618 χ²/NDF: 1261292.6/35



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 5651.648+/-4917.753 χ^2/NDF:0.0/0

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

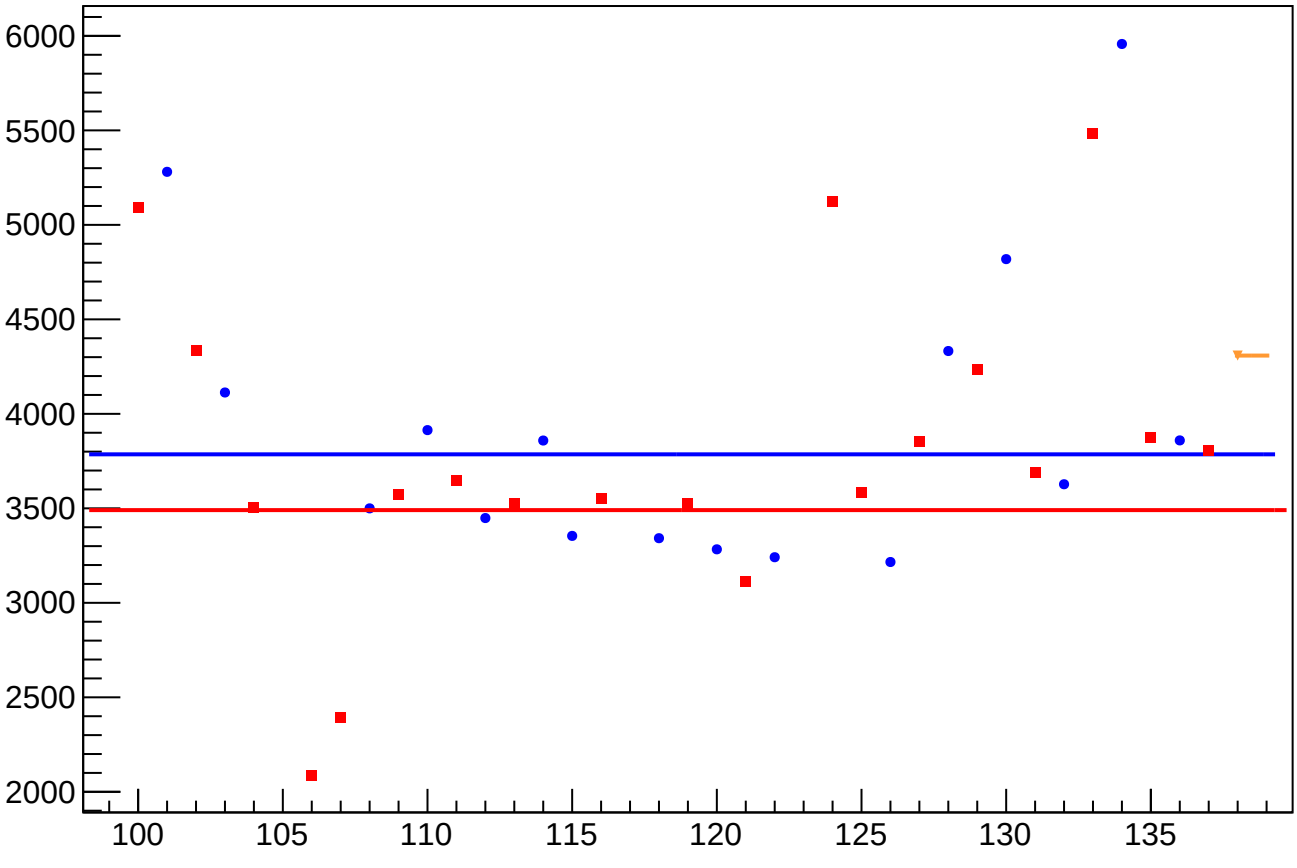
Left: 5651.648+/-4917.753 χ^2/NDF: 0.0/0

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -1309.349+/-1431.624 χ^2/NDF:17.6/15

Out: 200.742+/-1289.326 χ^2/NDF:13.0/19

All: -475.545+/-958.061 χ^2/NDF: 31.2/35



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4308.373+/-3.477 χ^2/NDF:0.0/0

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

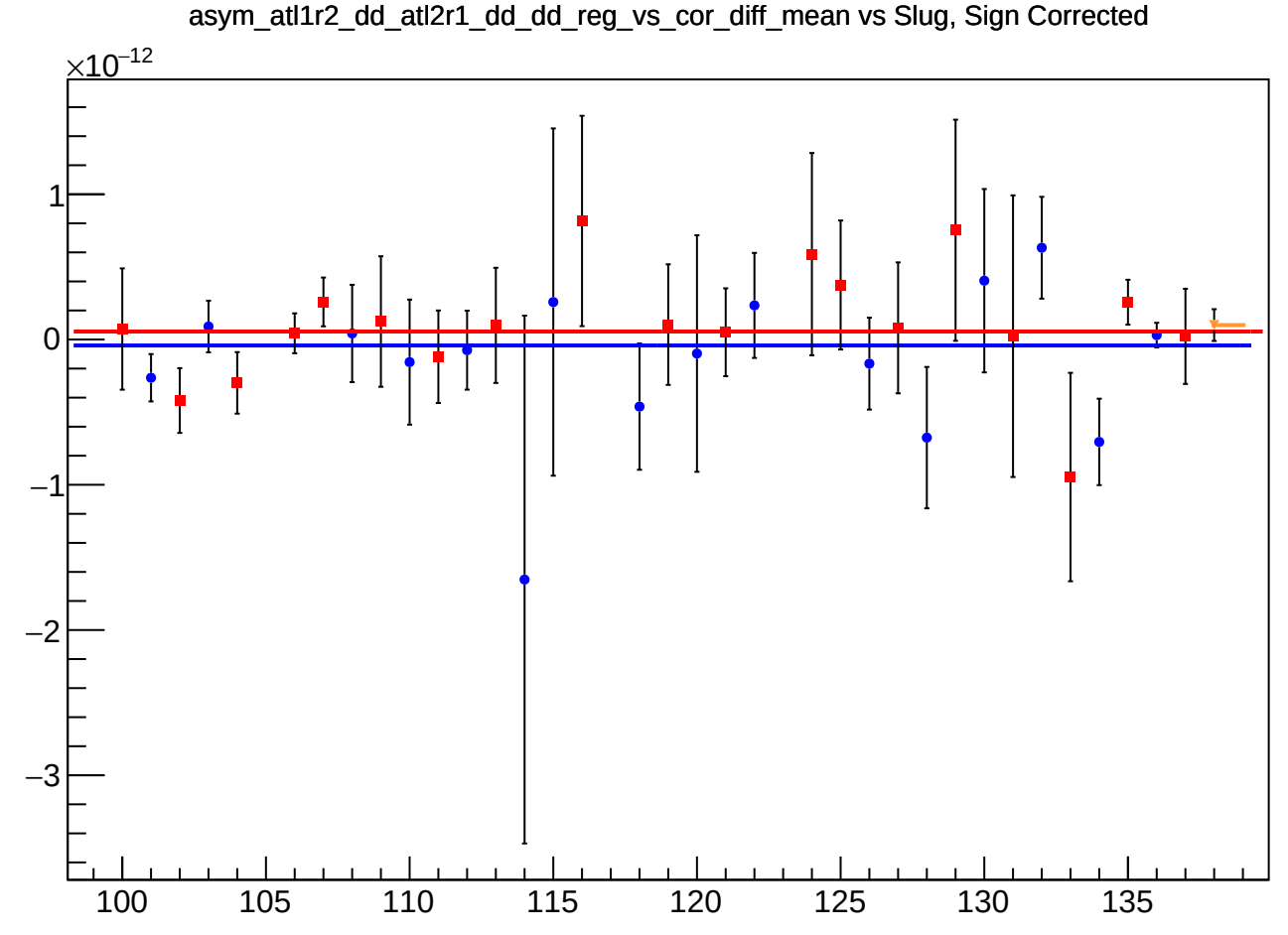
Left: 4308.373+/-3.477 χ^2/NDF: 0.0/0

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3785.774+/-1.012 χ^2/NDF:382992.9/15

Out: 3545.404+/-0.900 χ^2/NDF:638312.6/19

All: 3651.535+/-0.673 χ^2/NDF: 1052793.0/35



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

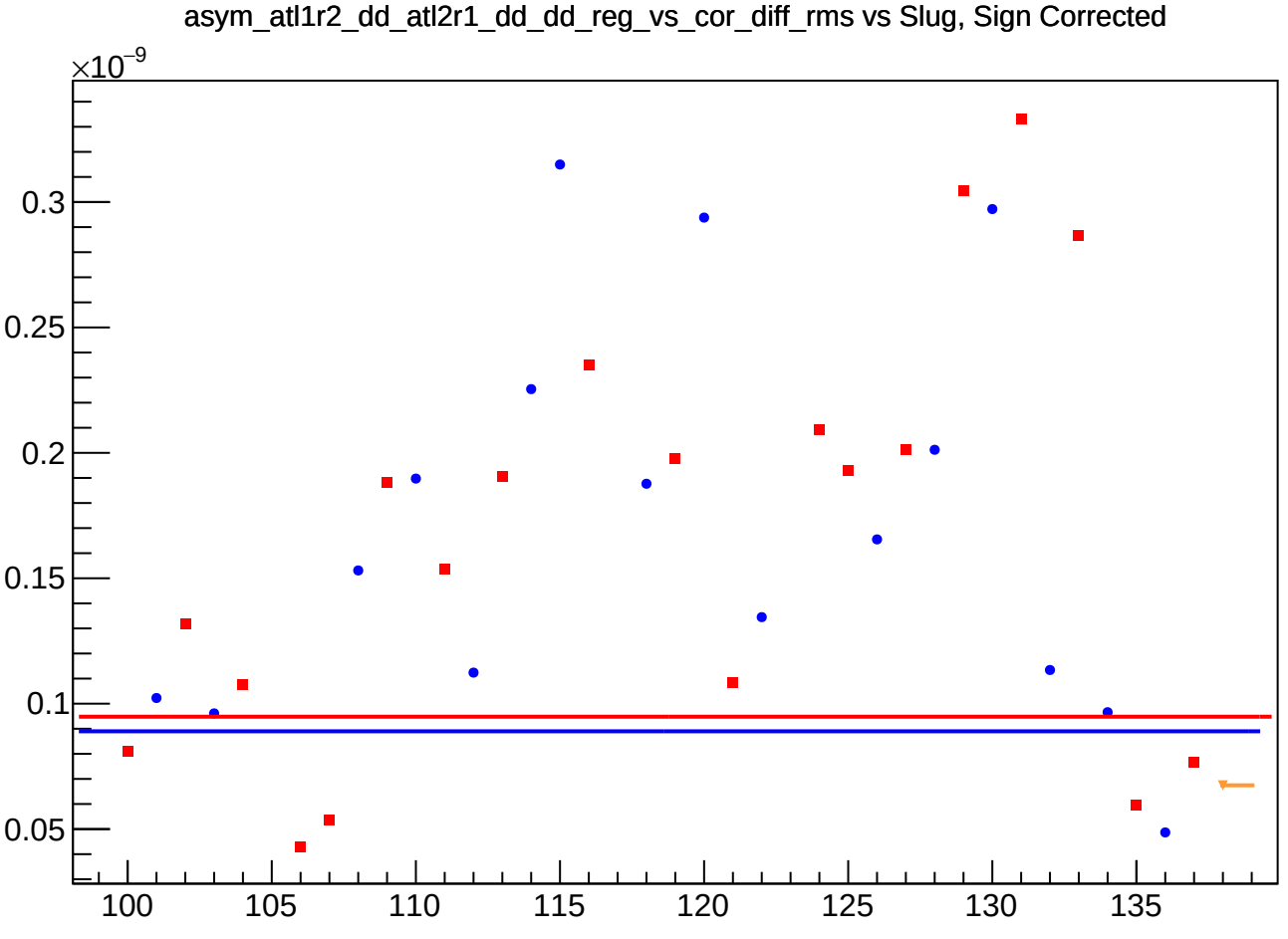
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:16.6/15

Out: 0.000+/-0.000 χ^2/NDF:16.0/19

All: 0.000+/-0.000 χ^2/NDF: 34.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

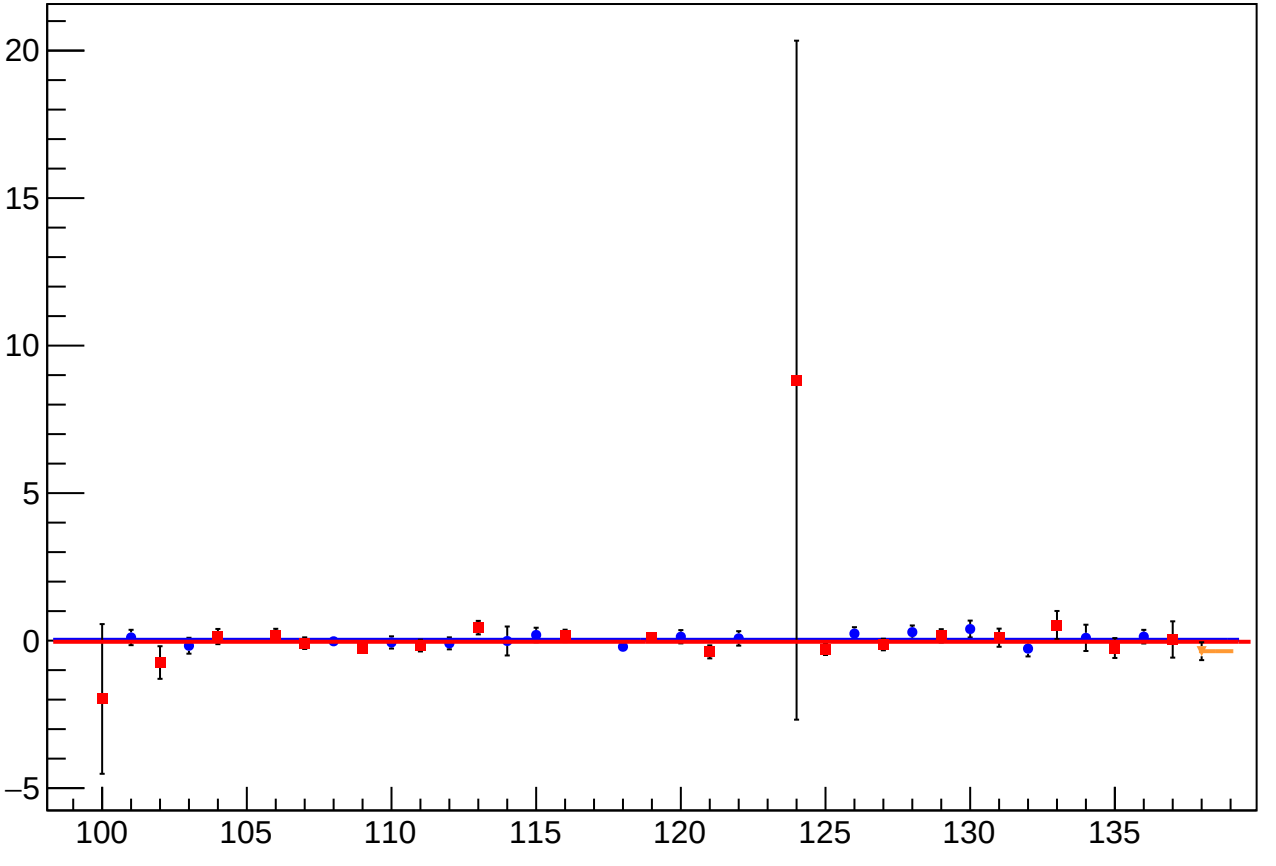
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1460718.5/15

Out: 0.000+/-0.000 χ^2/NDF:1827753.1/19

All: 0.000+/-0.000 χ^2/NDF: 3288873.8/35

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: -0.358+/-0.303 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

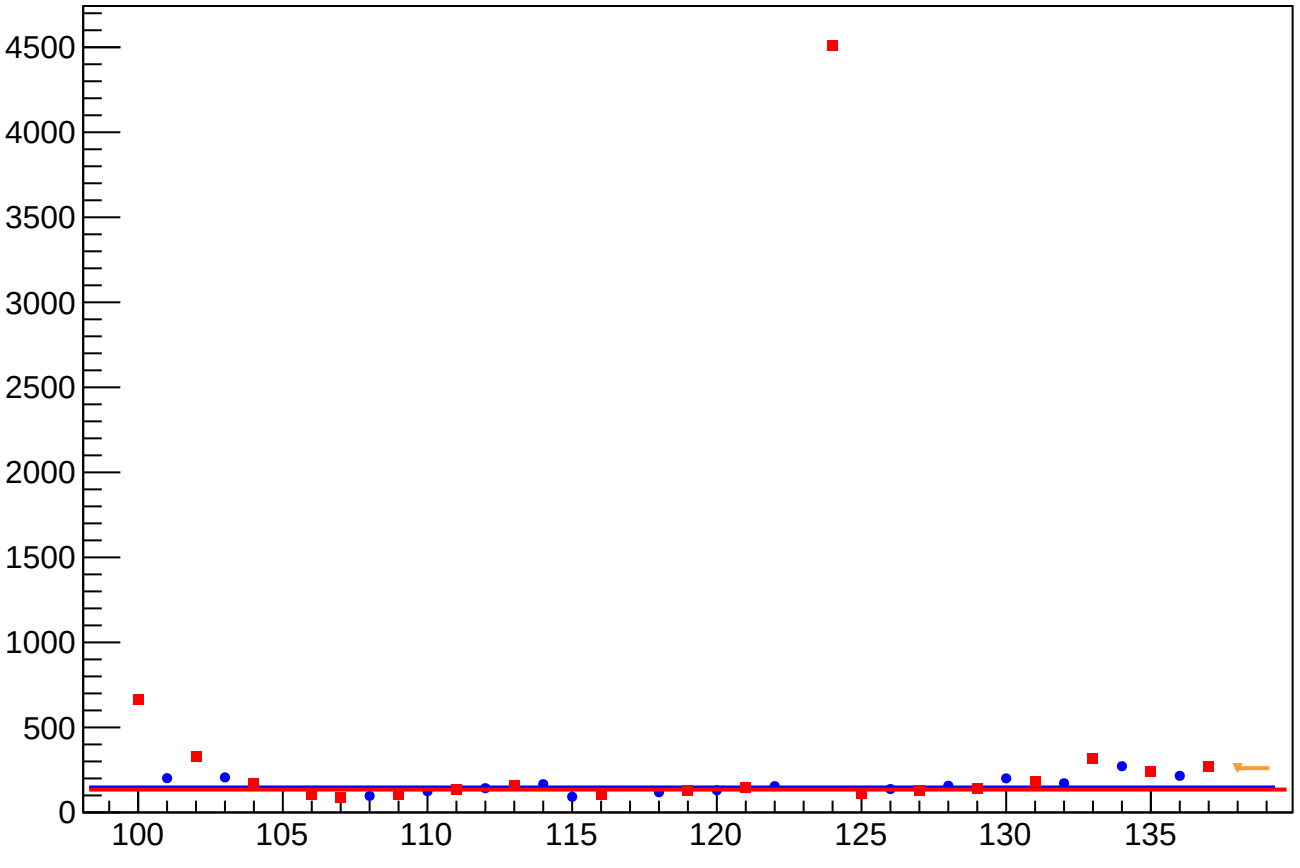
Left: -0.358+/-0.303 χ^2/NDF: 0.0/0

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.028+/-0.058 χ^2/NDF:9.4/15

Out: -0.049+/-0.054 χ^2/NDF:21.1/19

All: -0.013+/-0.039 χ^2/NDF: 31.5/35



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 260.467+/-0.214 χ^2/NDF:0.0/0

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 260.467+/-0.214 χ^2/NDF: 0.0/0

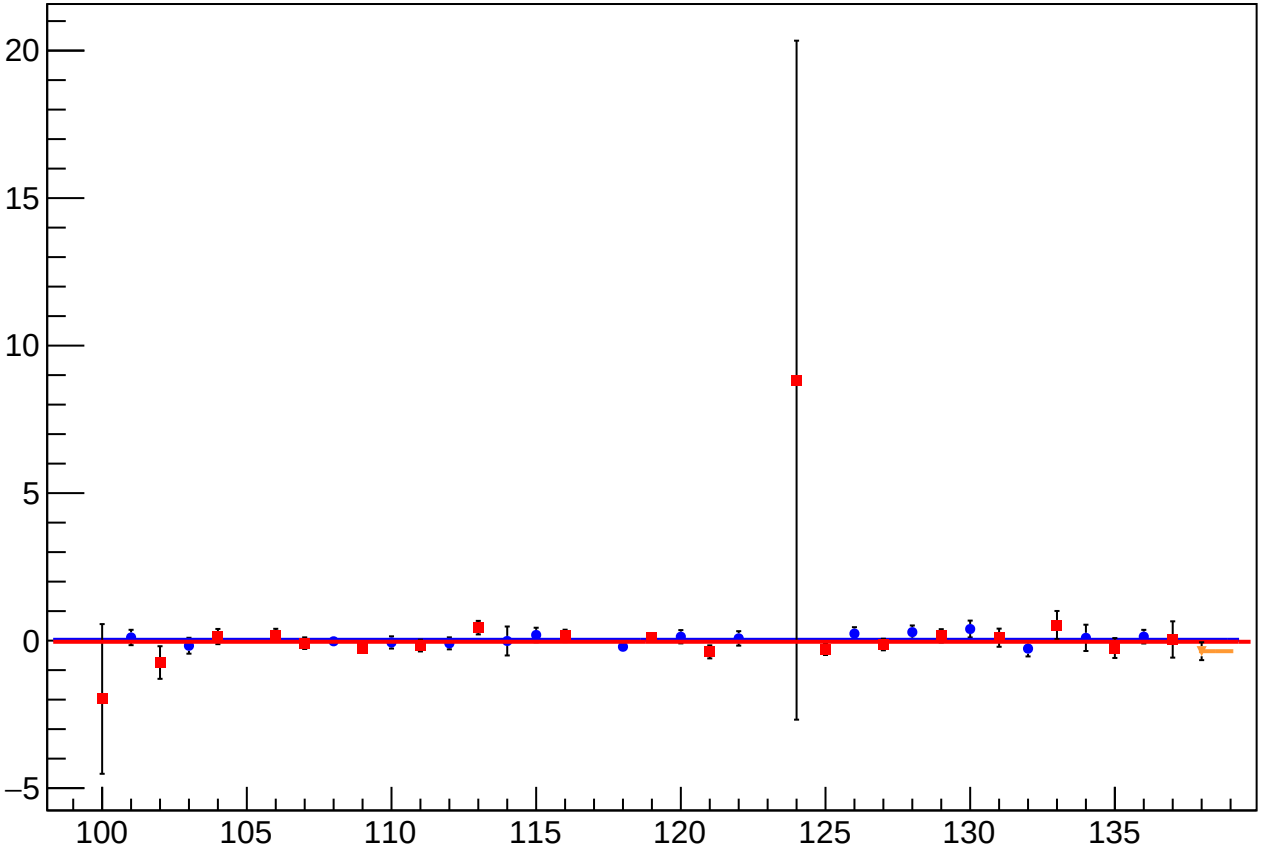
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 146.829+/-0.041 χ^2/NDF:998704.7/15

Out: 138.504+/-0.038 χ^2/NDF:1942142.7/19

All: 142.383+/-0.028 χ^2/NDF: 2963081.0/35

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: -0.358+/-0.303 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.358+/-0.303 χ^2/NDF: 0.0/0

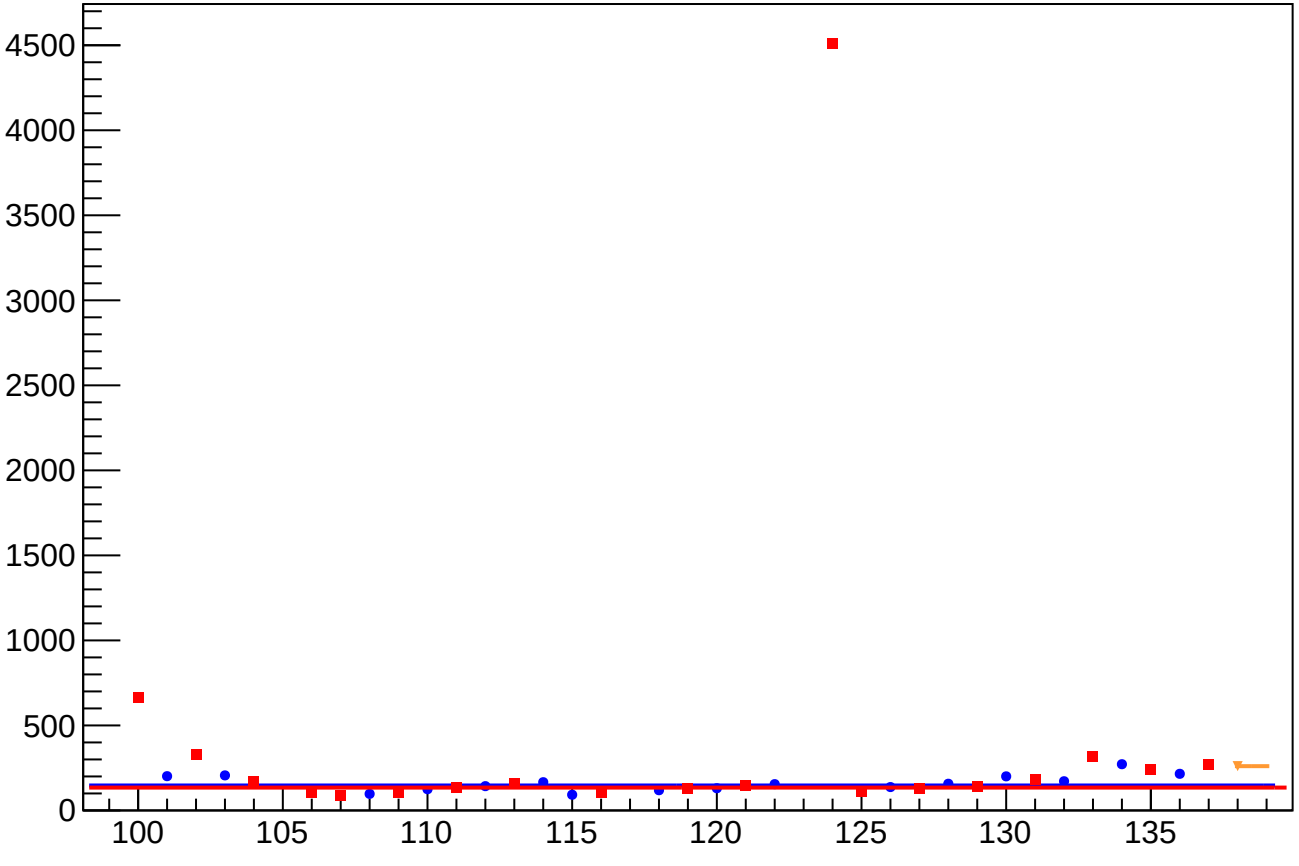
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.028+/-0.058 χ^2/NDF:9.4/15

Out: -0.049+/-0.054 χ^2/NDF:21.1/19

All: -0.013+/-0.039 χ^2/NDF: 31.5/35

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: 260.467+/-0.214 χ^2/NDF:0.0/0

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

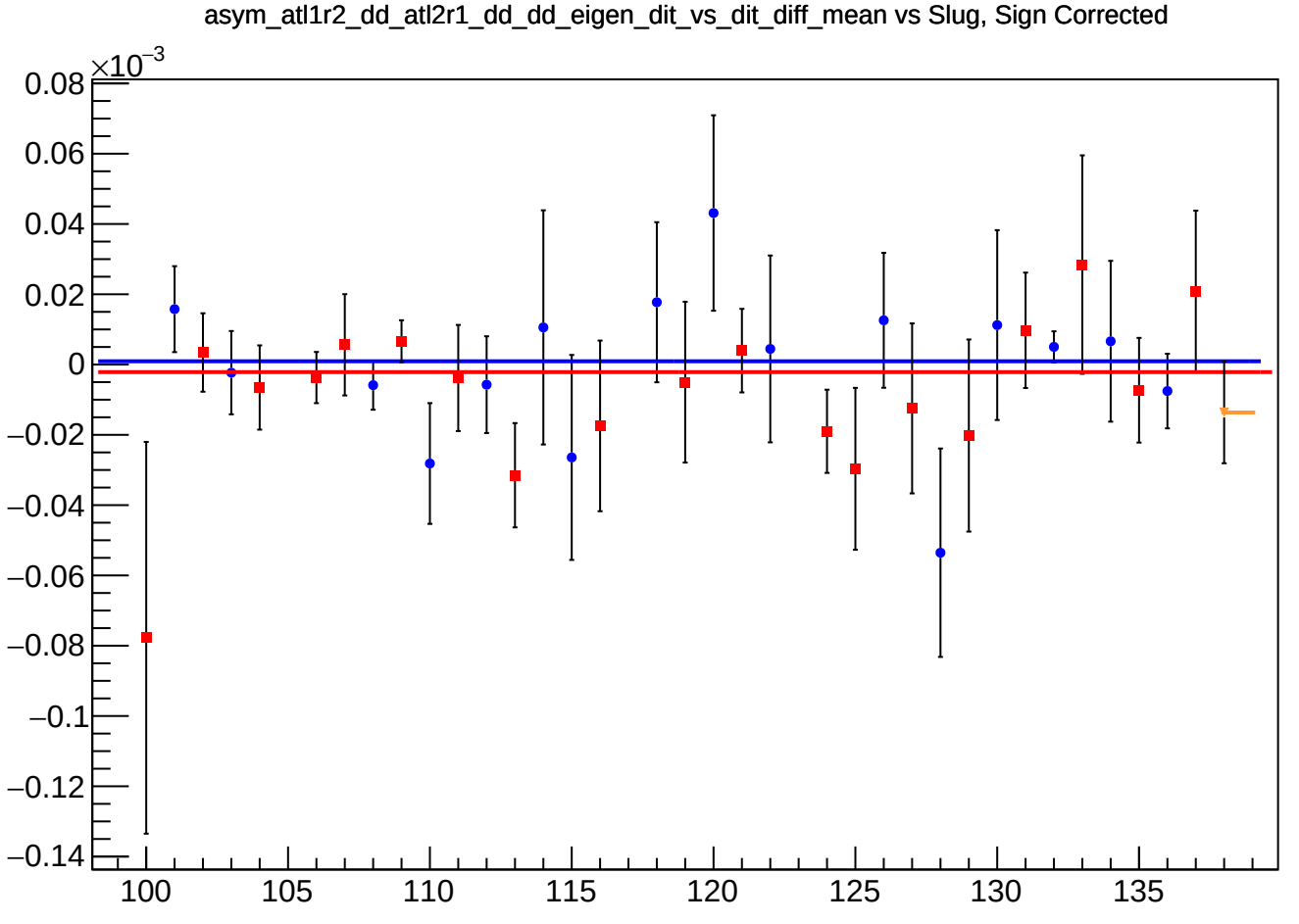
Left: 260.467+/-0.214 χ^2/NDF: 0.0/0

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 146.829+/-0.041 χ^2/NDF:998704.7/15

Out: 138.504+/-0.038 χ^2/NDF:1942142.7/19

All: 142.383+/-0.028 χ^2/NDF: 2963081.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

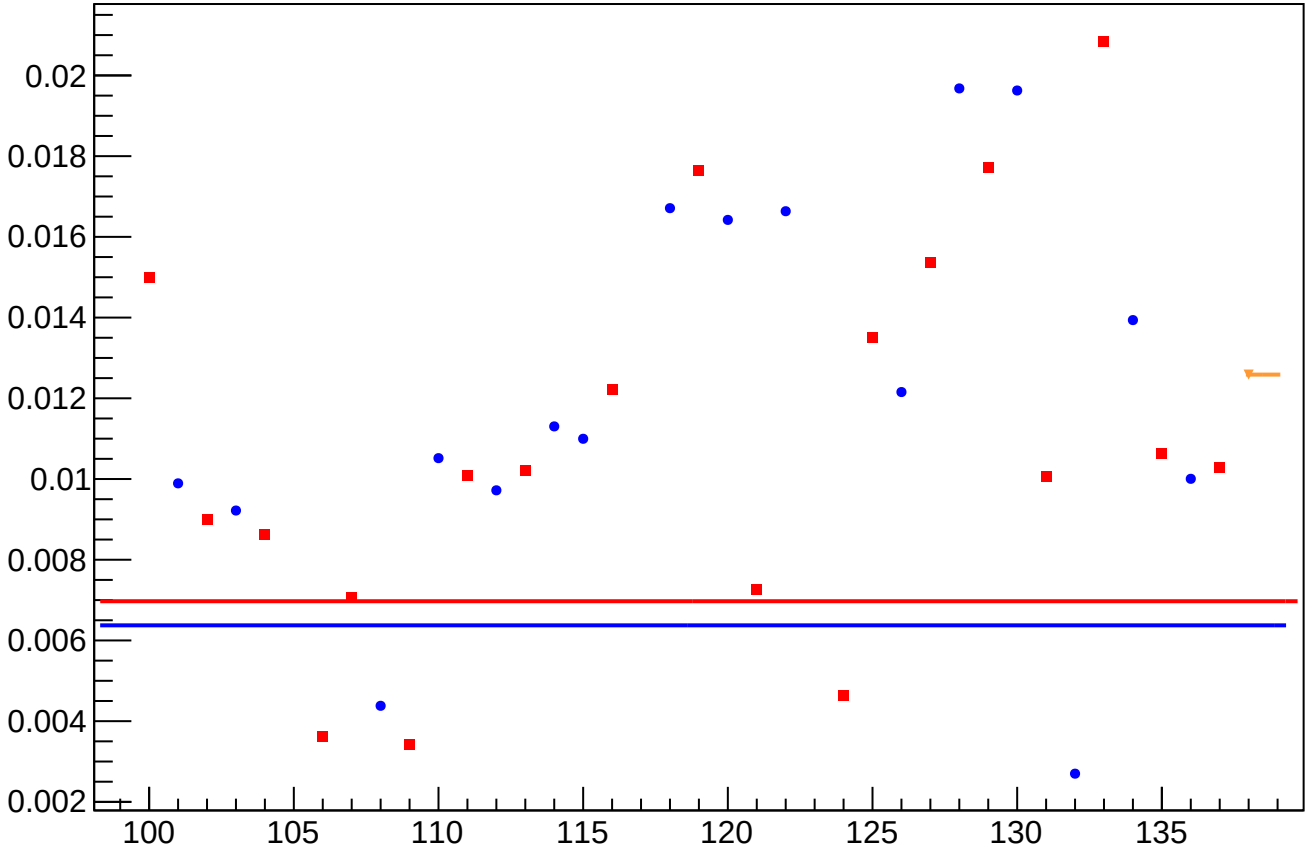
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:14.9/15

Out: -0.000+/-0.000 χ^2/NDF:16.7/19

All: -0.000+/-0.000 χ^2/NDF: 32.3/35



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.000 χ^2/NDF: 0.0/0

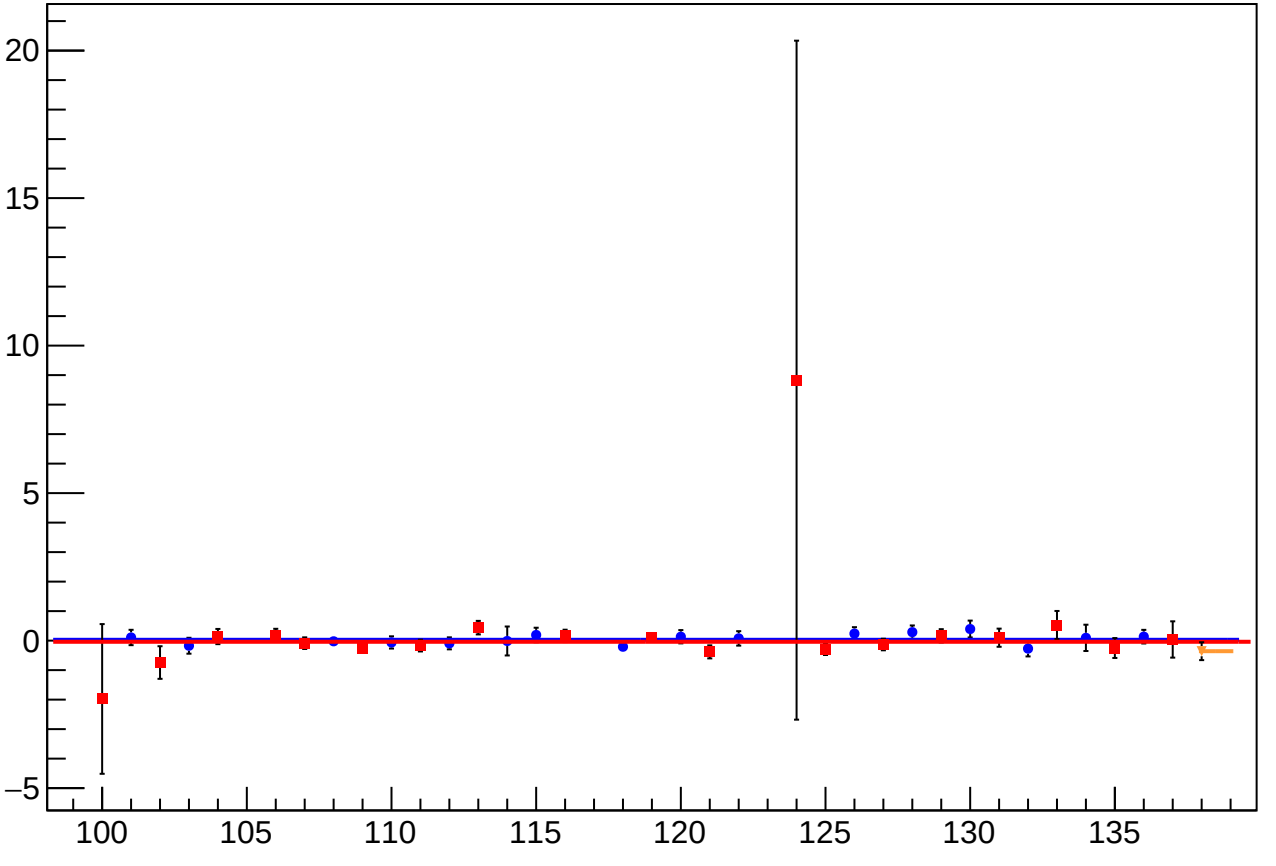
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:4639775.7/15

Out: 0.007+/-0.000 χ^2/NDF:3699326.7/19

All: 0.007+/-0.000 χ^2/NDF: 8419167.5/35

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: -0.358+/-0.303 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.358+/-0.303 χ^2/NDF: 0.0/0

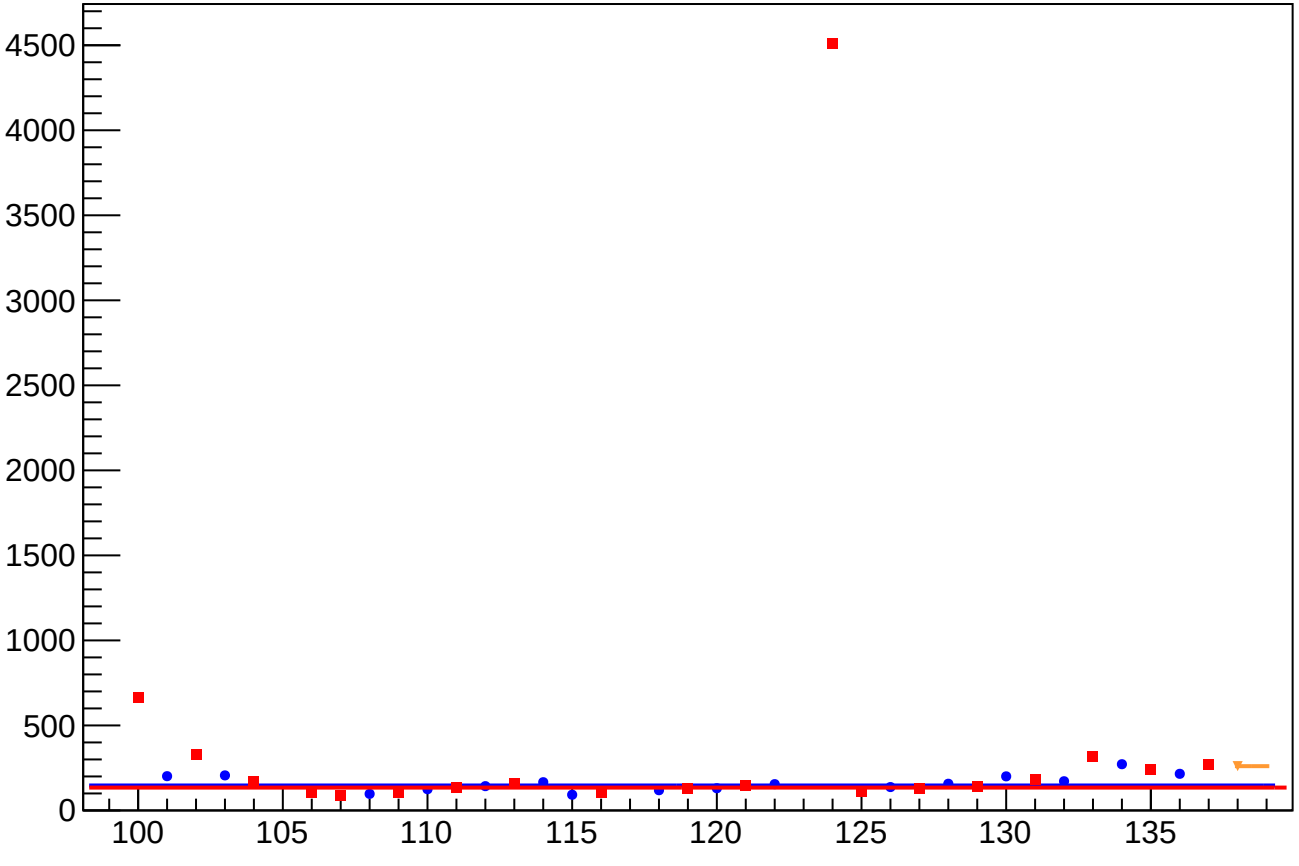
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.028+/-0.058 χ^2/NDF:9.4/15

Out: -0.049+/-0.054 χ^2/NDF:21.1/19

All: -0.013+/-0.039 χ^2/NDF: 31.5/35

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: 260.470+/-0.214 χ^2/NDF:0.0/0

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 260.470+/-0.214 χ^2/NDF: 0.0/0

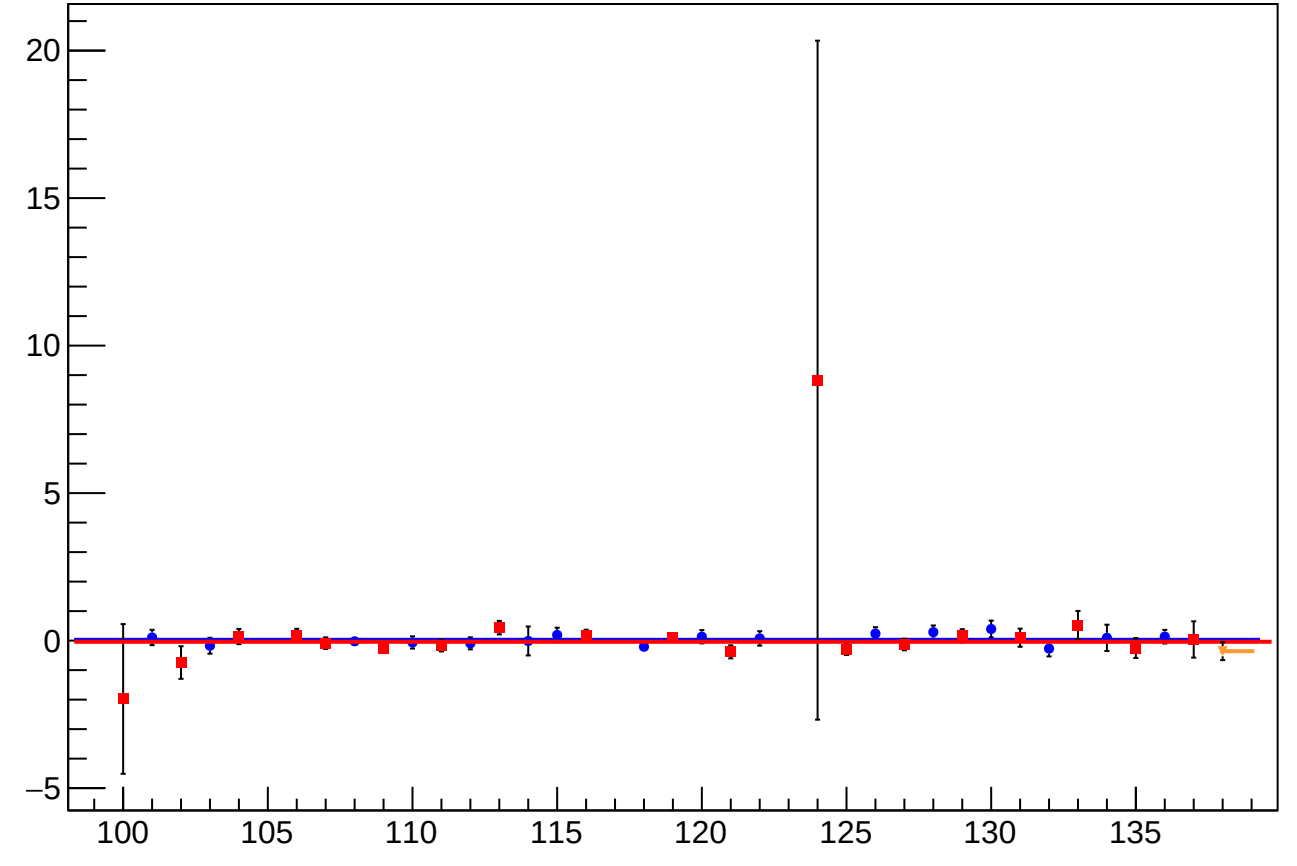
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 146.829+/-0.041 χ^2/NDF:998646.8/15

Out: 138.505+/-0.038 χ^2/NDF:1942074.0/19

All: 142.384+/-0.028 χ^2/NDF: 2962947.1/35

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: -0.358+/-0.303 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.358+/-0.303 χ^2/NDF: 0.0/0

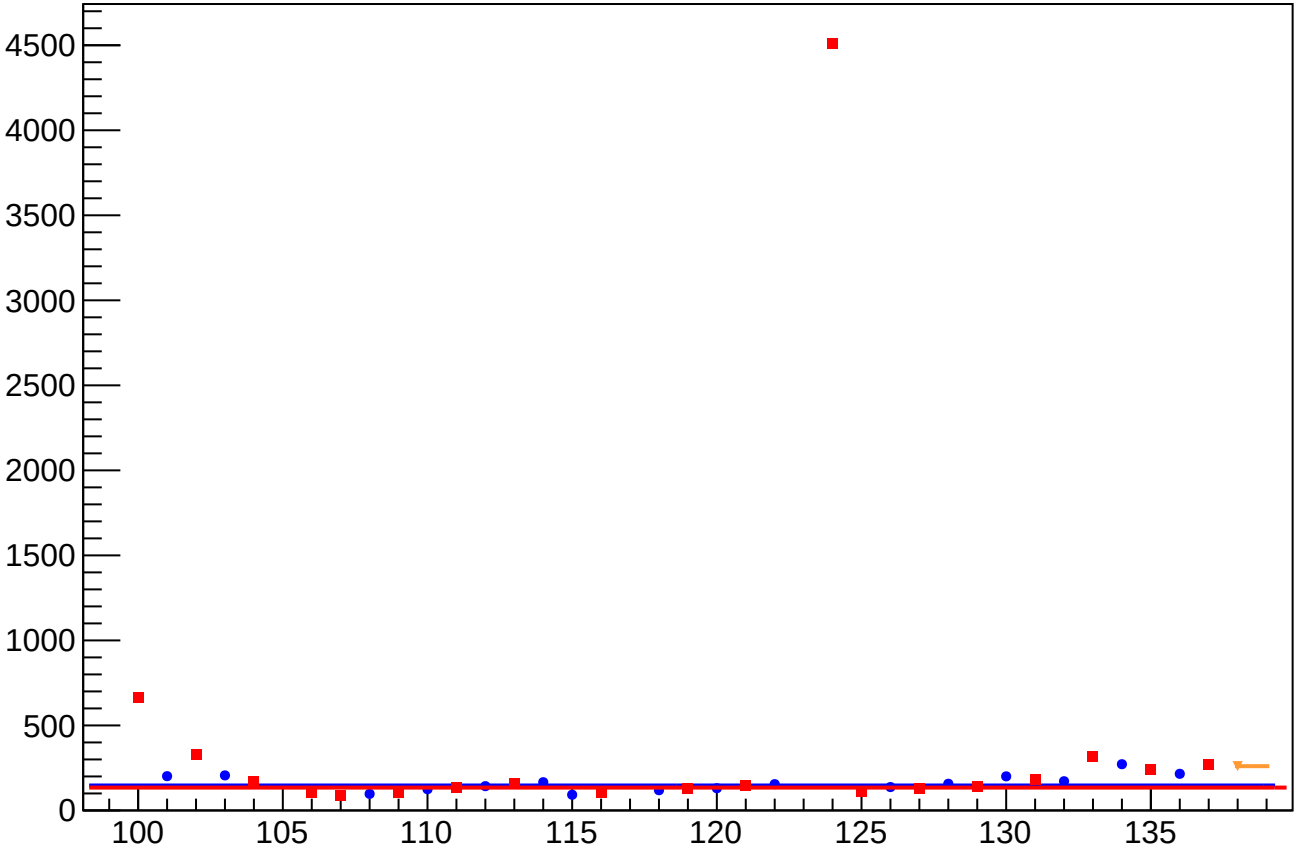
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.028+/-0.058 χ^2/NDF:9.4/15

Out: -0.049+/-0.054 χ^2/NDF:21.1/19

All: -0.013+/-0.039 χ^2/NDF: 31.5/35

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: 260.470+/-0.214 χ^2/NDF:0.0/0

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

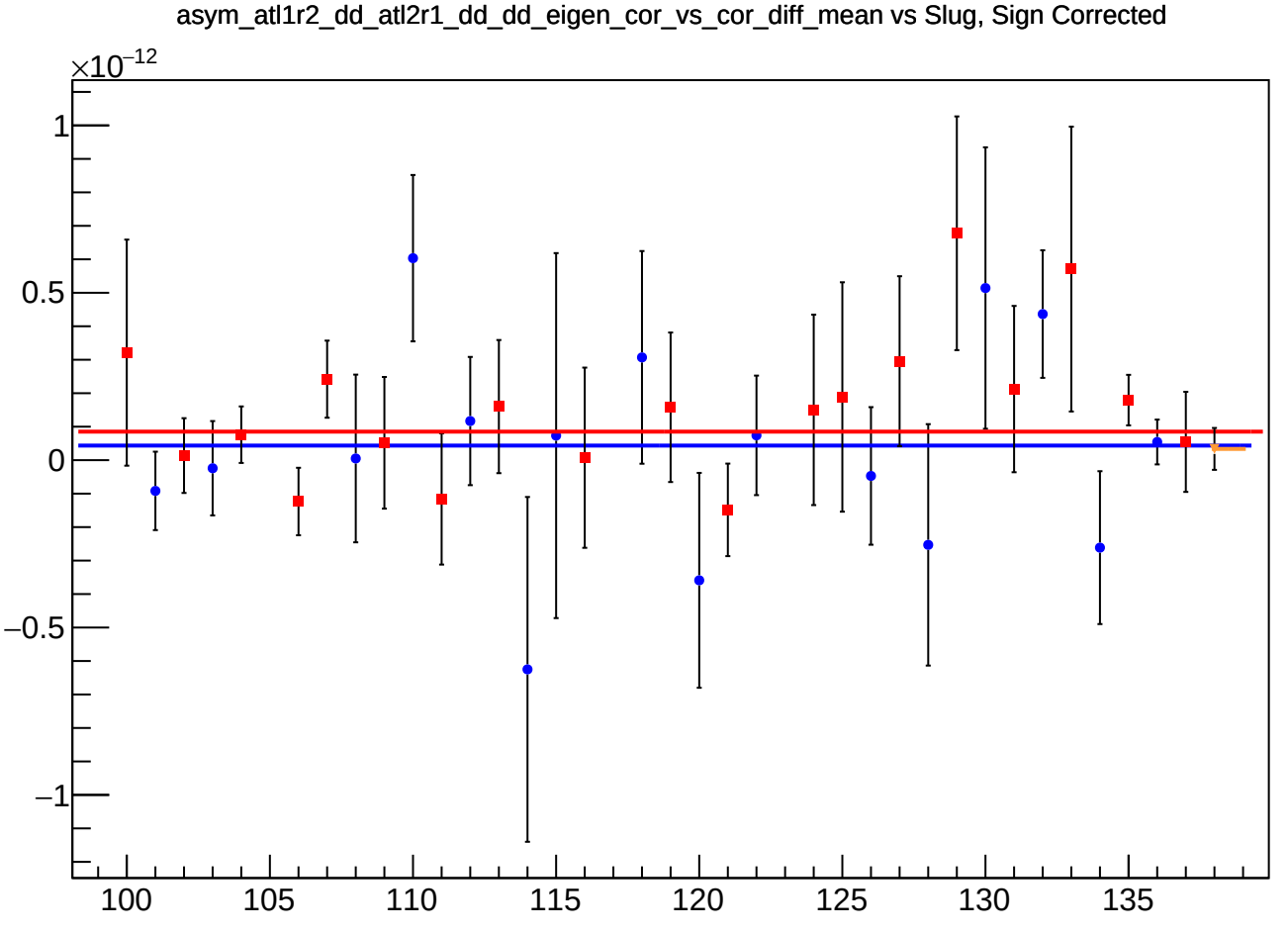
Left: 260.470+/-0.214 χ^2/NDF: 0.0/0

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 146.829+/-0.041 χ^2/NDF:998646.8/15

Out: 138.505+/-0.038 χ^2/NDF:1942074.0/19

All: 142.384+/-0.028 χ^2/NDF: 2962947.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

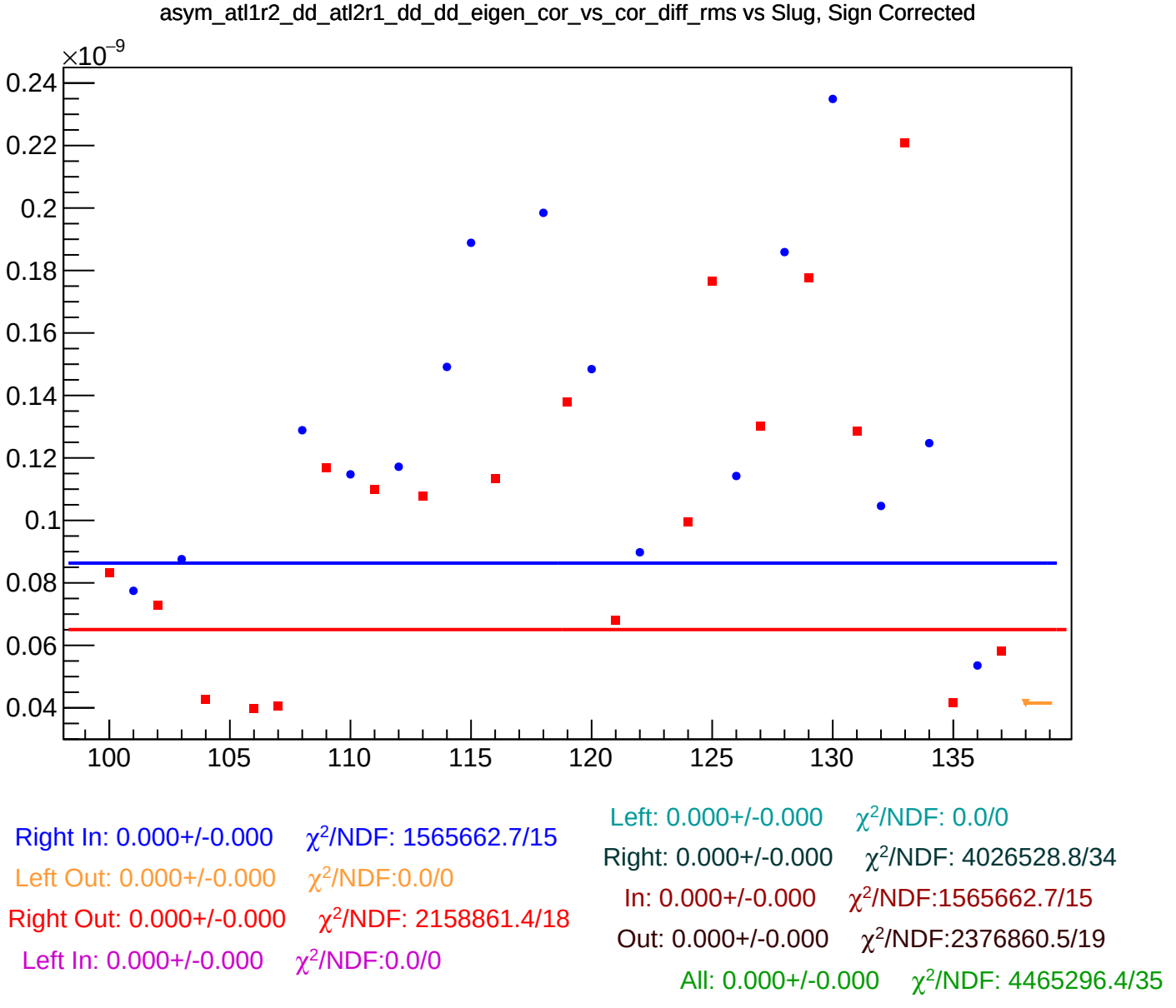
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

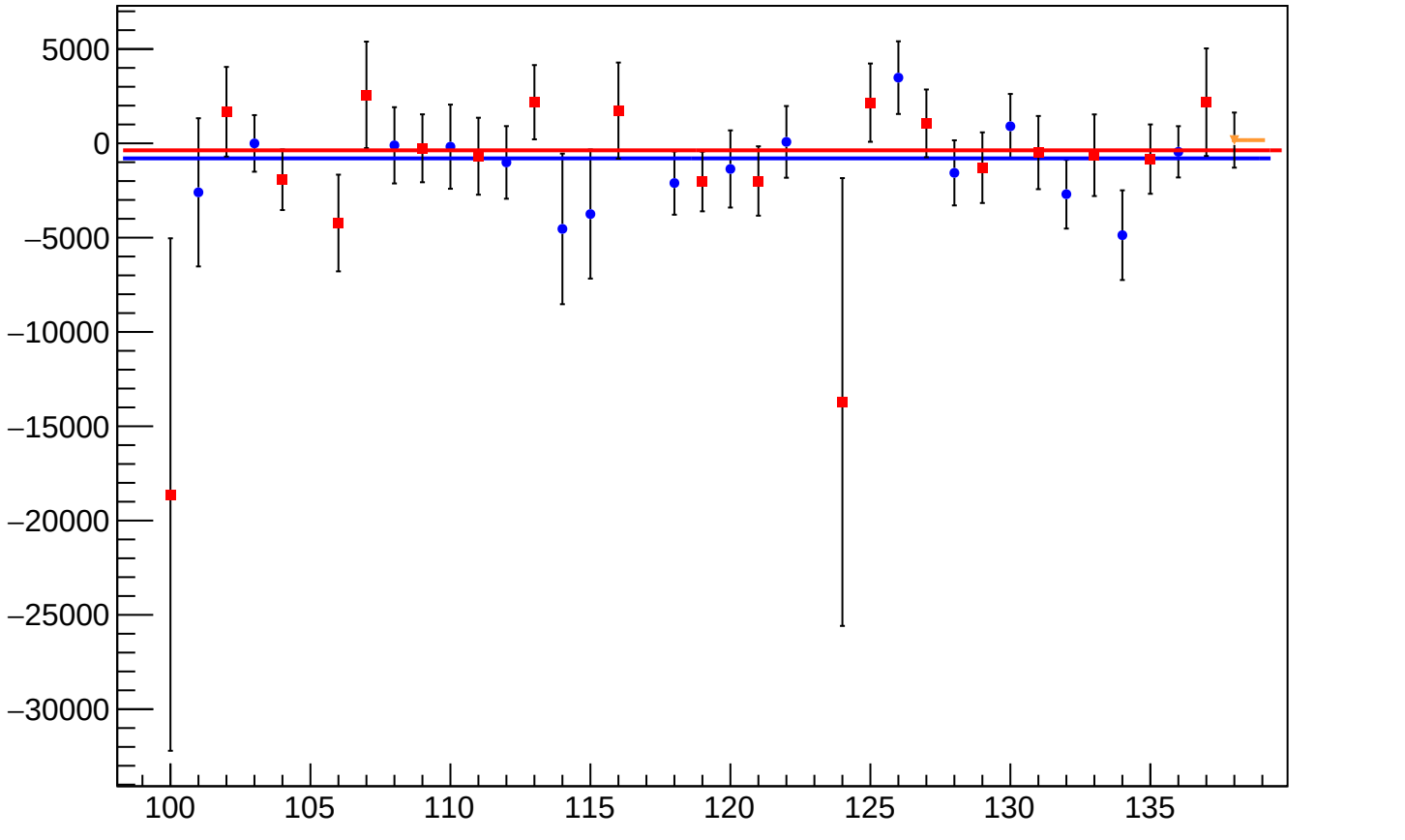
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:19.0/15

Out: 0.000+/-0.000 χ^2/NDF:18.7/19

All: 0.000+/-0.000 χ^2/NDF: 38.0/35


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 1565662.7/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 2158861.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 4026528.8/34
In: 0.000+/-0.000 χ²/NDF:1565662.7/15
Out: 0.000+/-0.000 χ²/NDF:2376860.5/19
All: 0.000+/-0.000 χ²/NDF: 4465296.4/35



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 171.145+/-1460.797 χ^2/NDF:0.0/0

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 171.145+/-1460.797 χ^2/NDF: 0.0/0

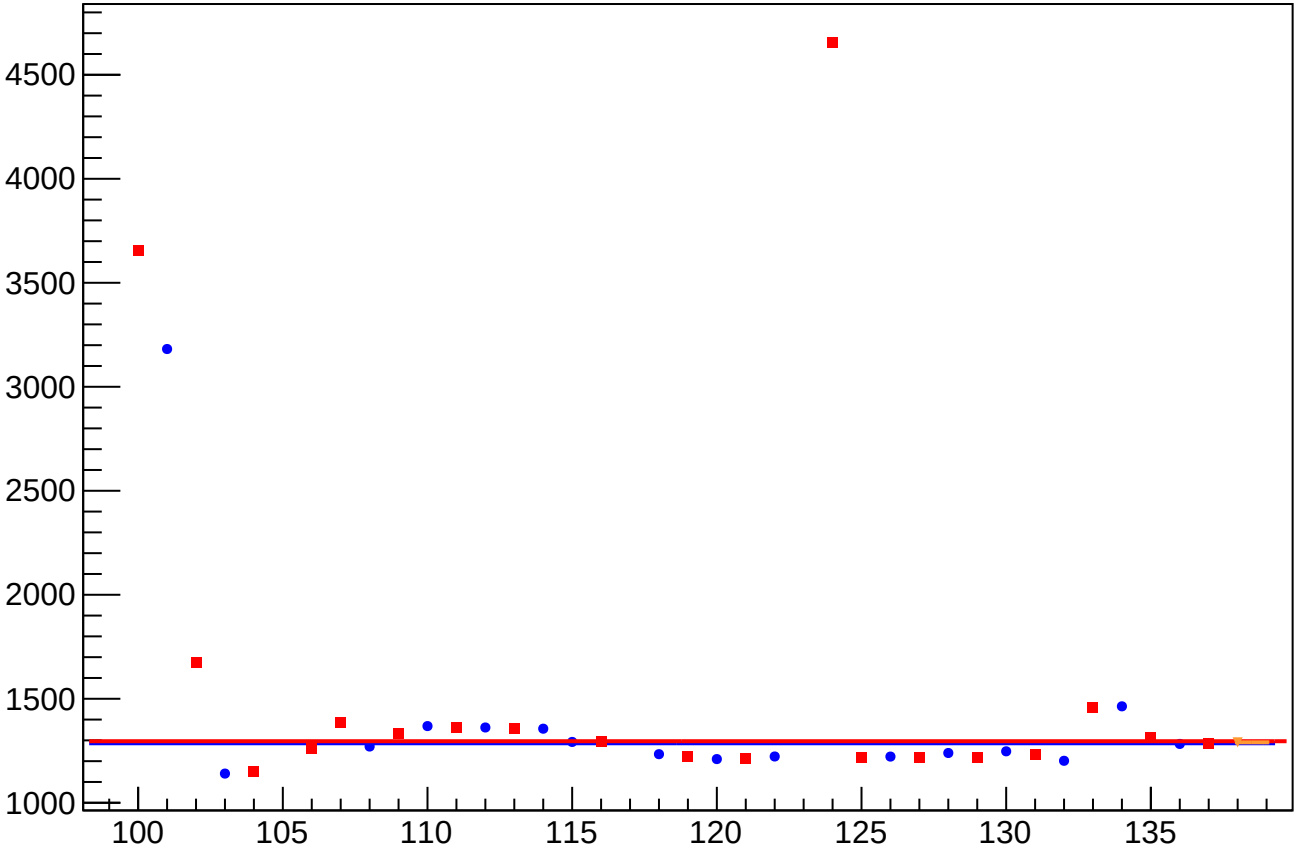
Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -797.285+/-487.453 χ^2/NDF:13.4/15

Out: -316.116+/-460.999 χ^2/NDF:15.7/19

All: -543.290+/-334.938 χ^2/NDF: 29.7/35

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: 1290.464+/-1.033 χ^2/NDF:0.0/0

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1290.464+/-1.033 χ^2/NDF: 0.0/0

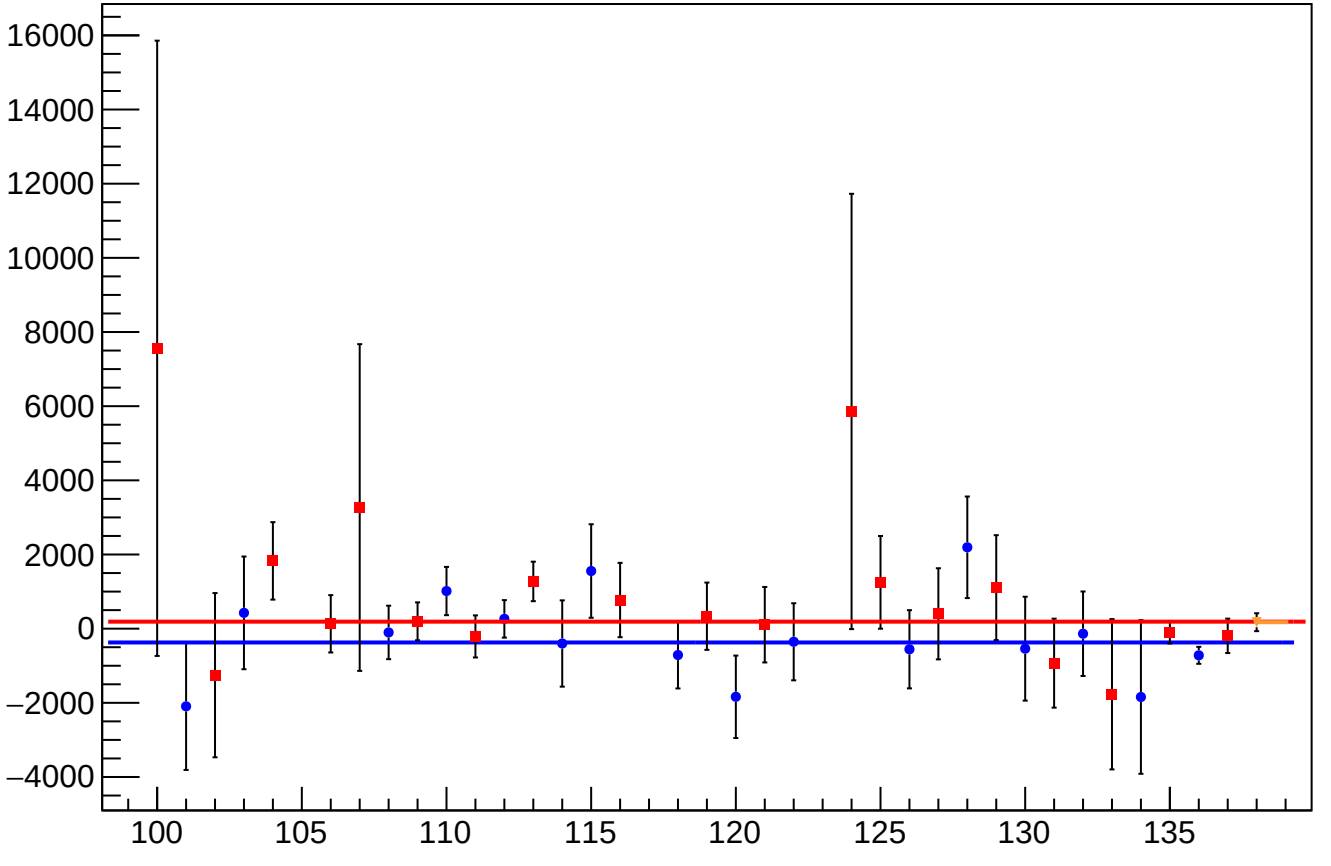
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1286.097+/-0.345 χ^2/NDF:518126.9/15

Out: 1295.397+/-0.326 χ^2/NDF:328095.3/19

All: 1291.006+/-0.237 χ^2/NDF: 846606.5/35

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: 174.330+/-241.502 χ^2/NDF:0.0/0

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 174.330+/-241.502 χ^2/NDF: 0.0/0

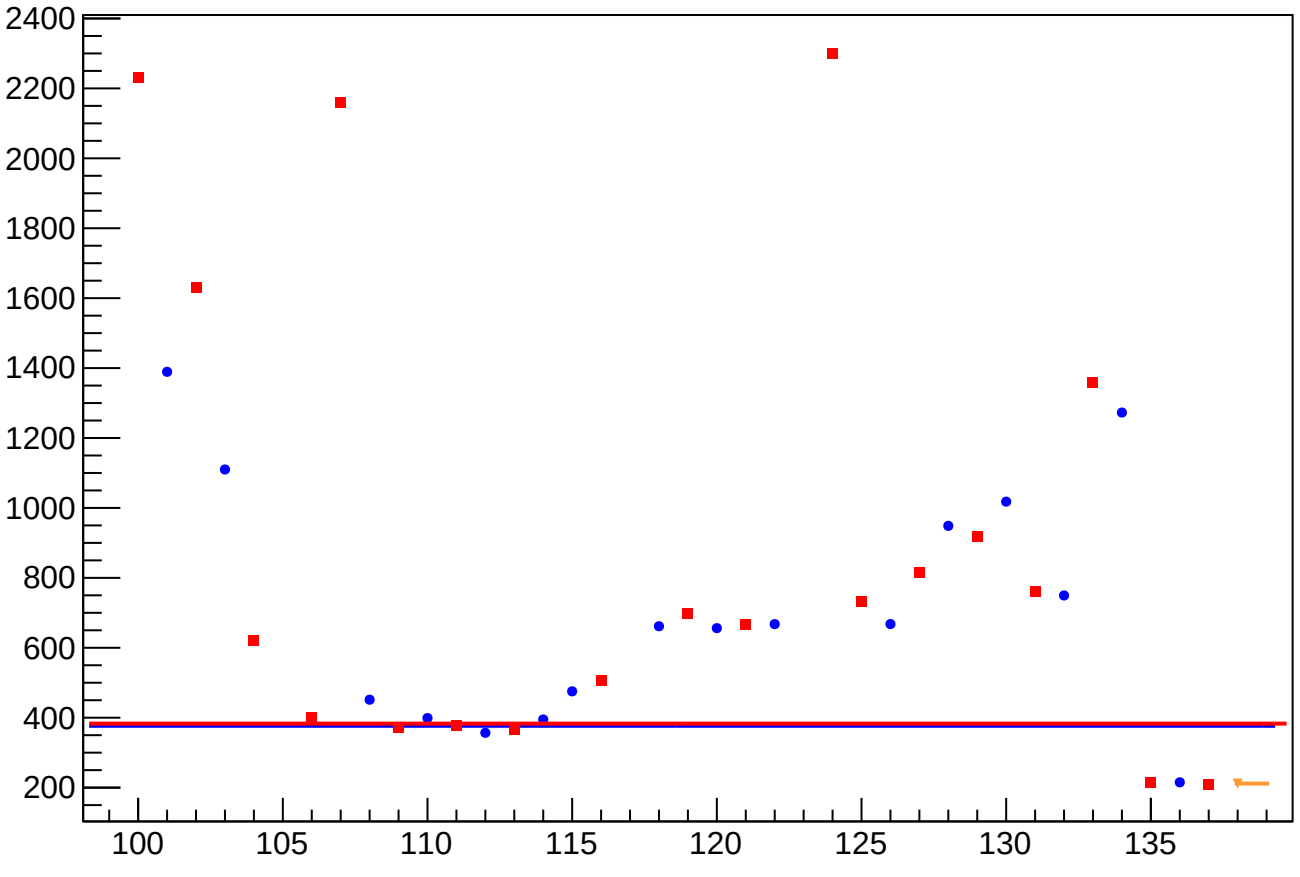
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -372.325+/-168.204 χ^2/NDF:18.2/15

Out: 184.119+/-138.780 χ^2/NDF:14.6/19

All: -41.255+/-107.047 χ^2/NDF: 39.3/35

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: 211.514+/-0.171 χ^2/NDF:0.0/0

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

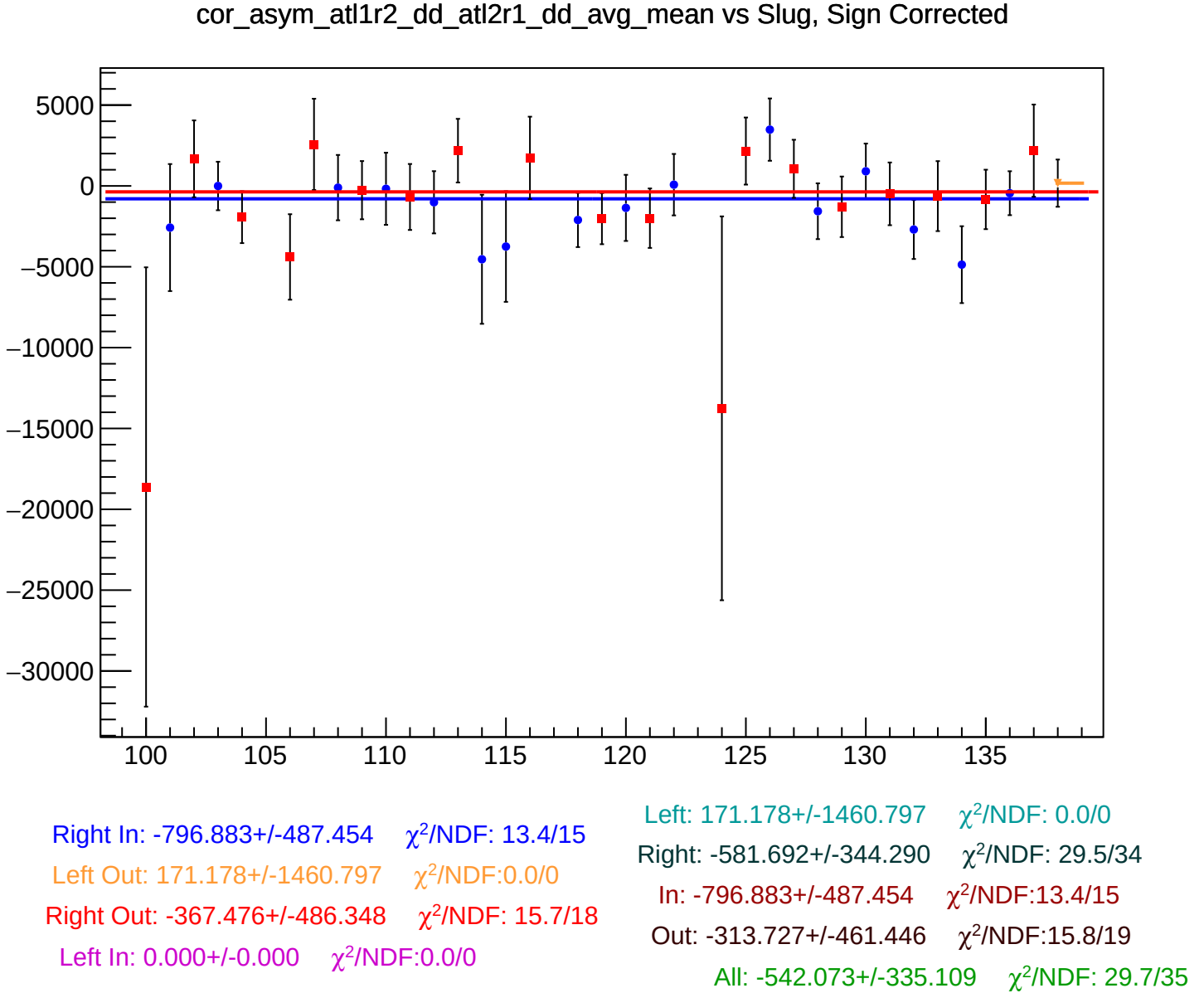
Left: 211.514+/-0.171 χ^2/NDF: 0.0/0

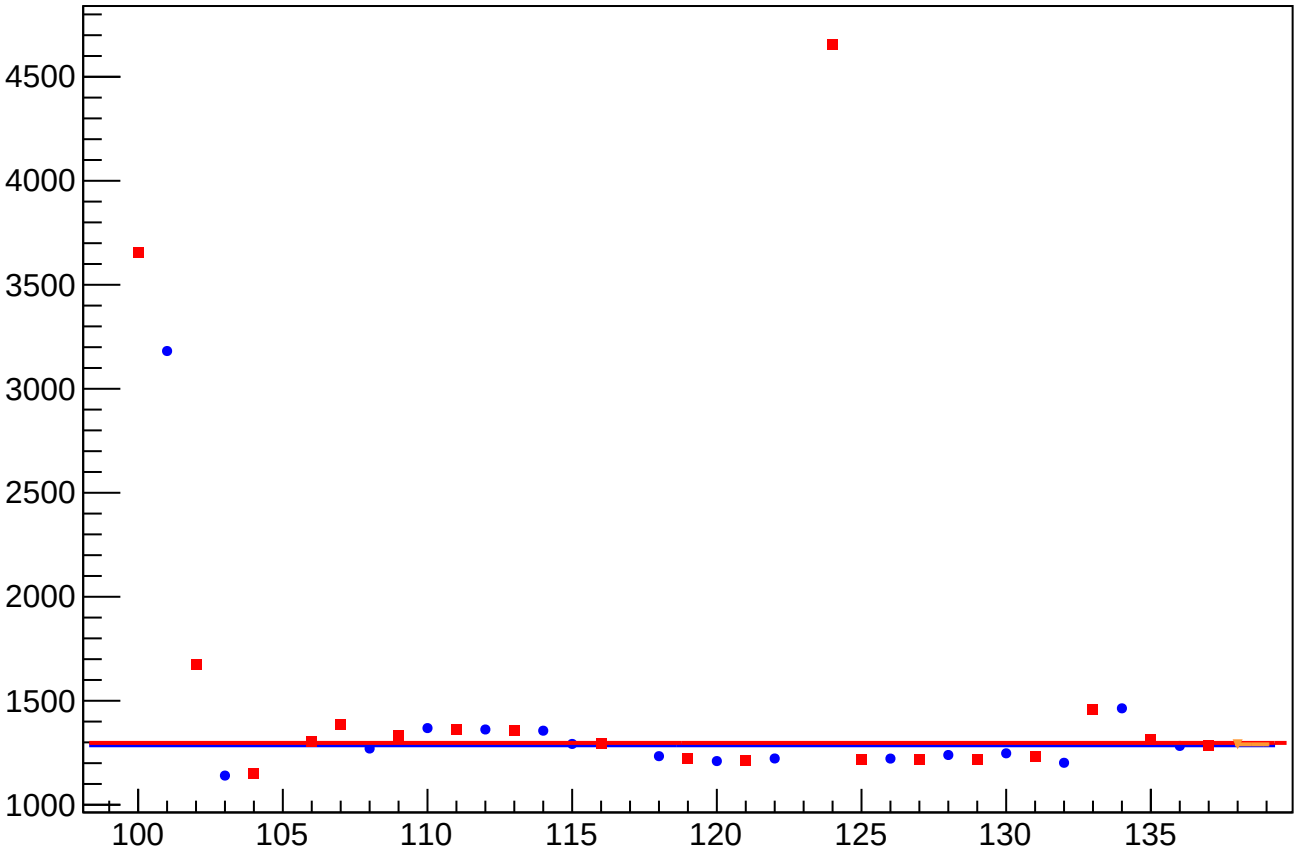
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 376.893+/-0.119 χ^2/NDF:4190194.7/15

Out: 326.420+/-0.098 χ^2/NDF:4730119.9/19

All: 346.863+/-0.076 χ^2/NDF: 9027457.3/35


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 171.178+/-1460.797 χ²/NDF:0.0/0
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 171.178+/-1460.797 χ²/NDF: 0.0/0
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -796.883+/-487.454 χ²/NDF:13.4/15
Out: -313.727+/-461.446 χ²/NDF:15.8/19
All: -542.073+/-335.109 χ²/NDF: 29.7/35



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.464+/-1.033 χ^2/NDF:0.0/0

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1290.464+/-1.033 χ^2/NDF: 0.0/0

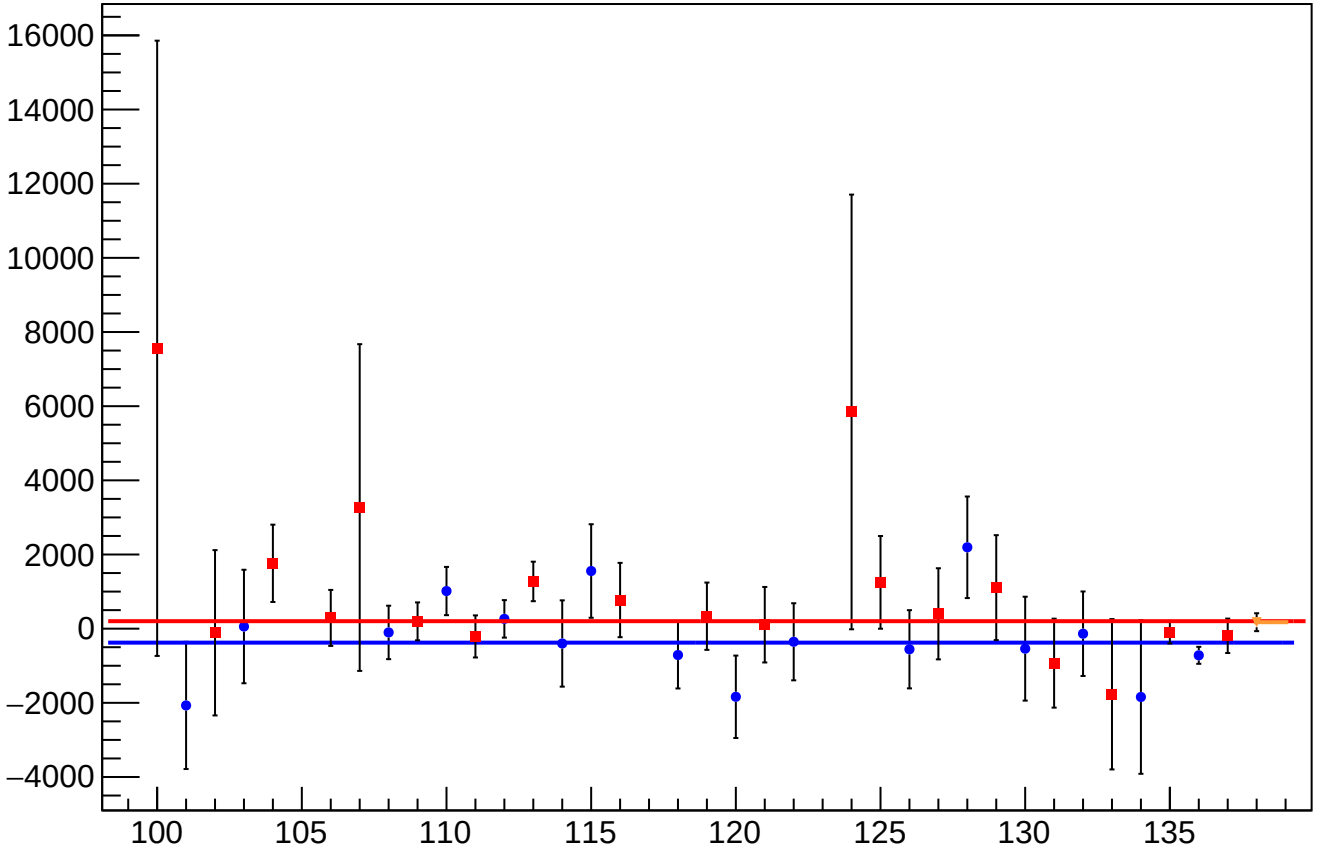
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1286.097+/-0.345 χ^2/NDF:518128.4/15

Out: 1296.702+/-0.326 χ^2/NDF:327782.2/19

All: 1291.690+/-0.237 χ^2/NDF: 846409.9/35

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: 174.455+/-241.508 χ^2/NDF:0.0/0

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 174.455+/-241.508 χ^2/NDF: 0.0/0

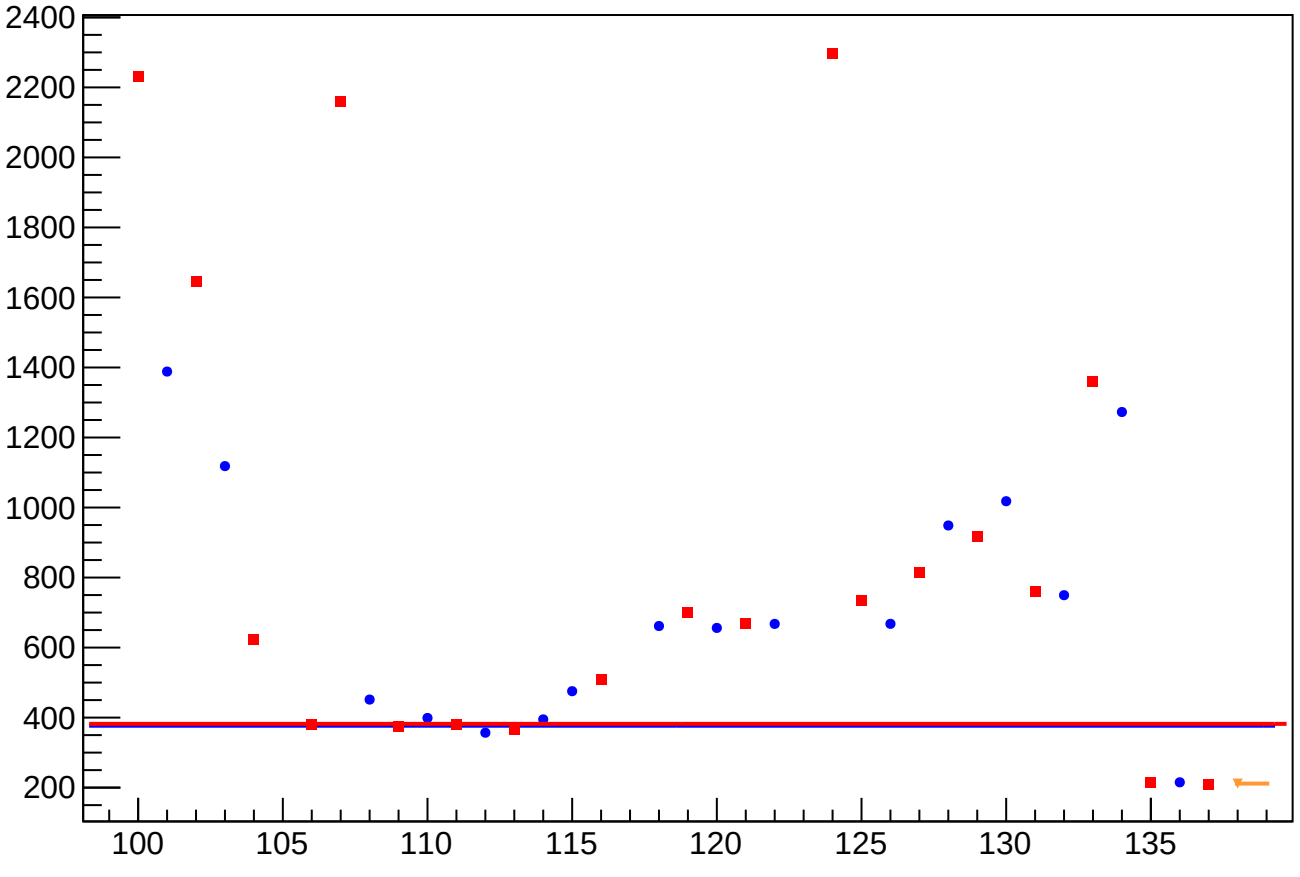
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -376.771+/-168.223 χ^2/NDF:17.9/15

Out: 193.015+/-138.672 χ^2/NDF:14.1/19

All: -37.518+/-107.003 χ^2/NDF: 38.8/35

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: 211.521+/-0.171 χ^2/NDF:0.0/0

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

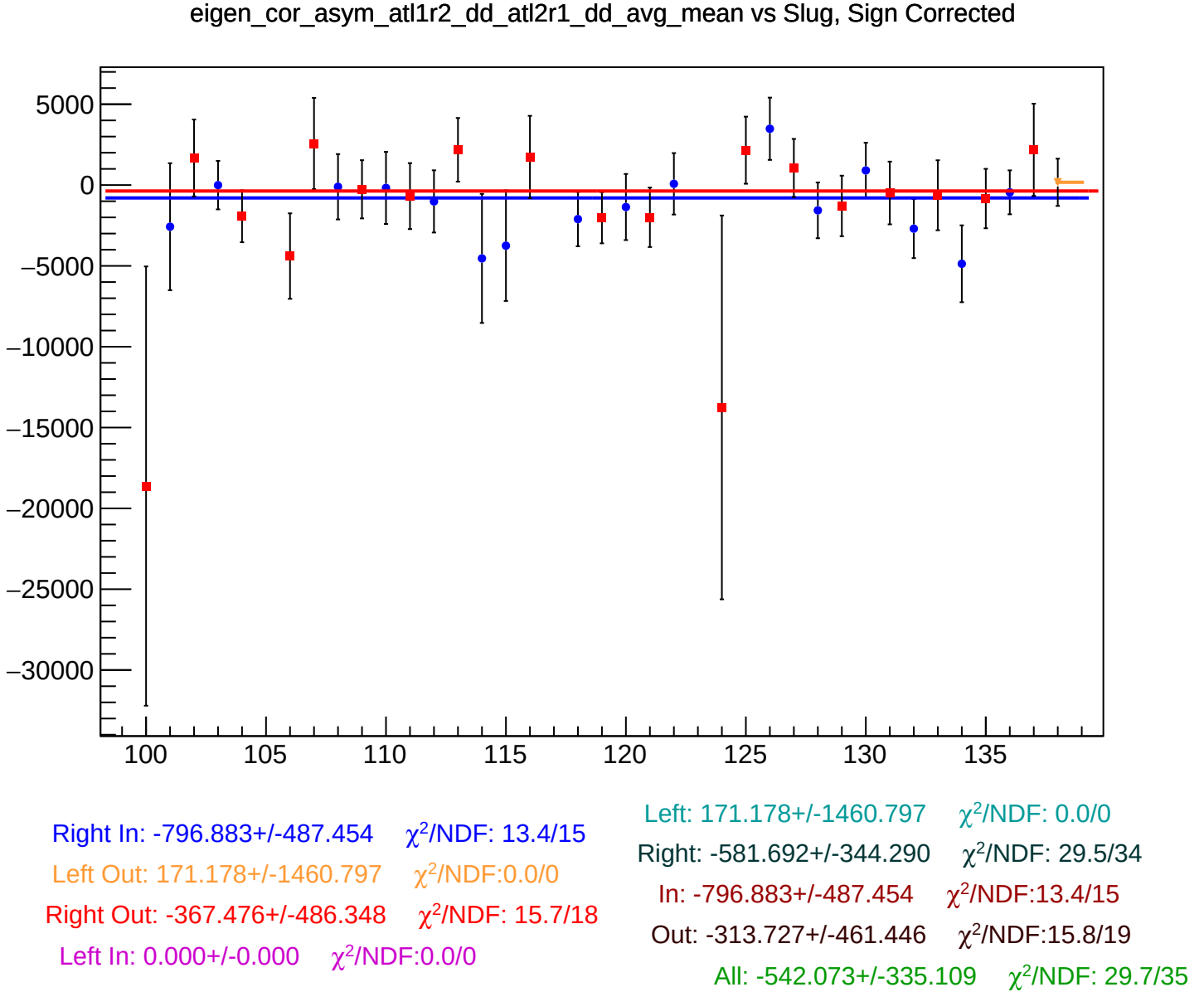
Left: 211.521+/-0.171 χ^2/NDF: 0.0/0

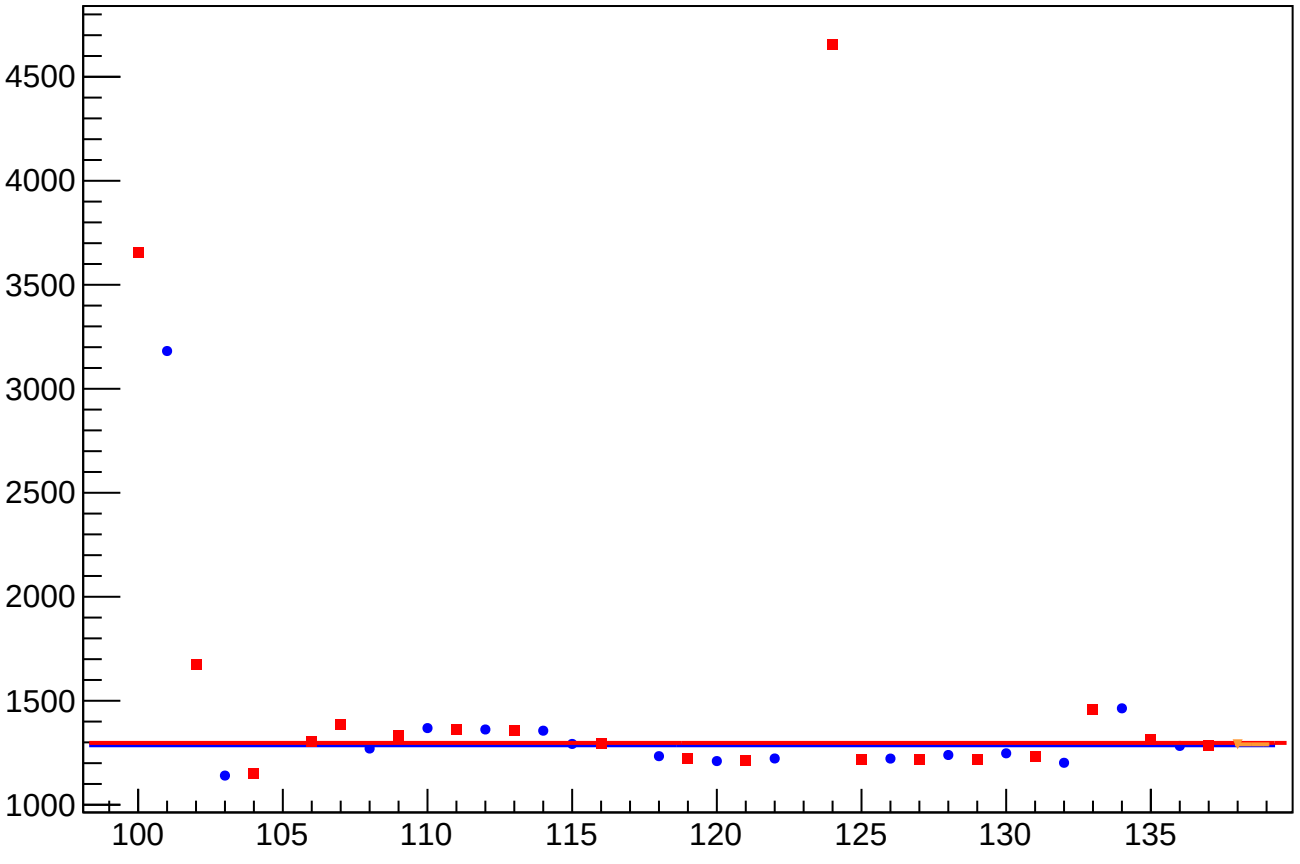
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 376.884+/-0.119 χ^2/NDF:4193328.0/15

Out: 325.884+/-0.098 χ^2/NDF:4728674.4/19

All: 346.518+/-0.076 χ^2/NDF: 9031450.0/35


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 171.178+/-1460.797 χ²/NDF:0.0/0
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 171.178+/-1460.797 χ²/NDF: 0.0/0
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -796.883+/-487.454 χ²/NDF:13.4/15
Out: -313.727+/-461.446 χ²/NDF:15.8/19
All: -542.073+/-335.109 χ²/NDF: 29.7/35



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.464+/-1.033 χ^2/NDF:0.0/0

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1290.464+/-1.033 χ^2/NDF: 0.0/0

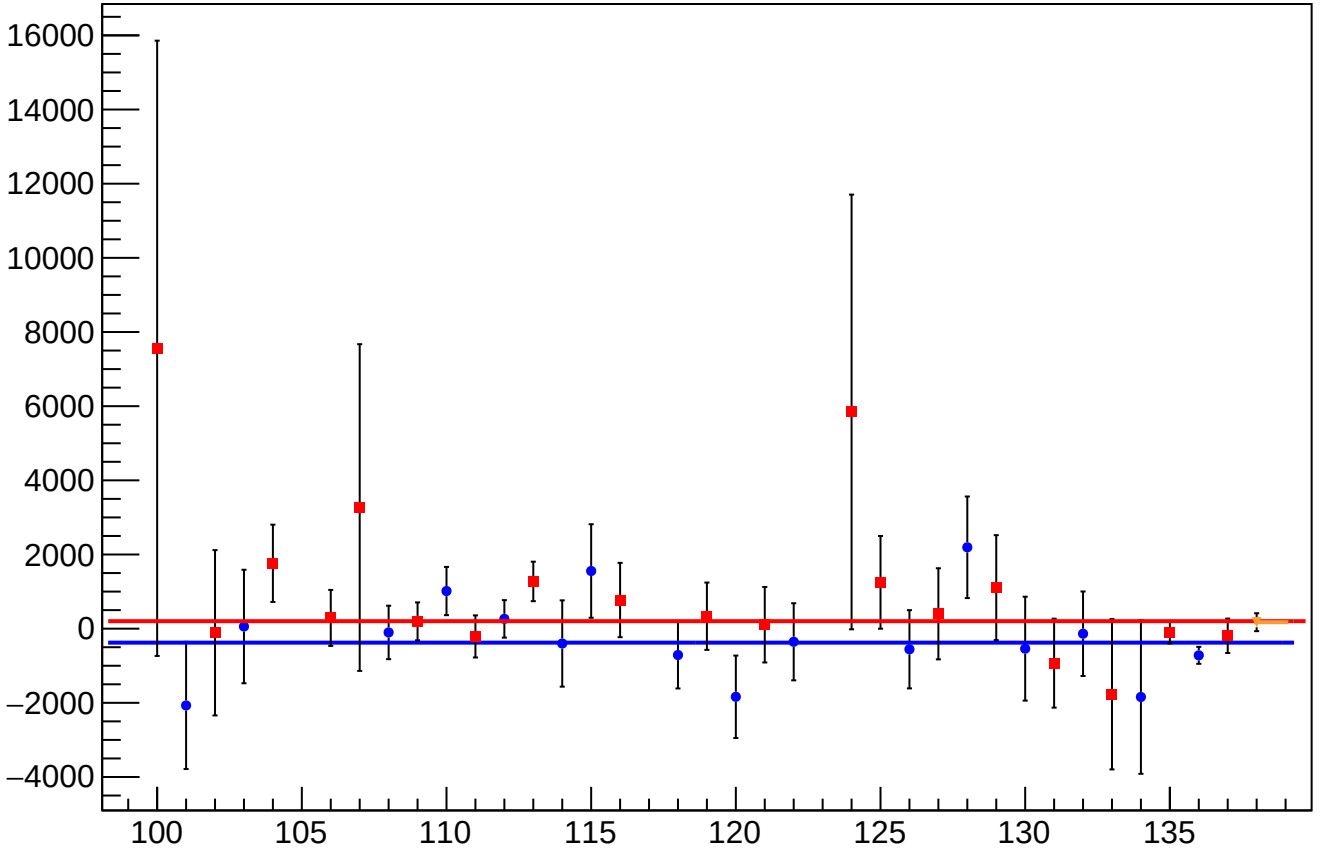
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1286.097+/-0.345 χ^2/NDF:518128.4/15

Out: 1296.702+/-0.326 χ^2/NDF:327782.2/19

All: 1291.690+/-0.237 χ^2/NDF: 846409.9/35

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: 174.455+/-241.508 χ^2/NDF:0.0/0

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 174.455+/-241.508 χ^2/NDF: 0.0/0

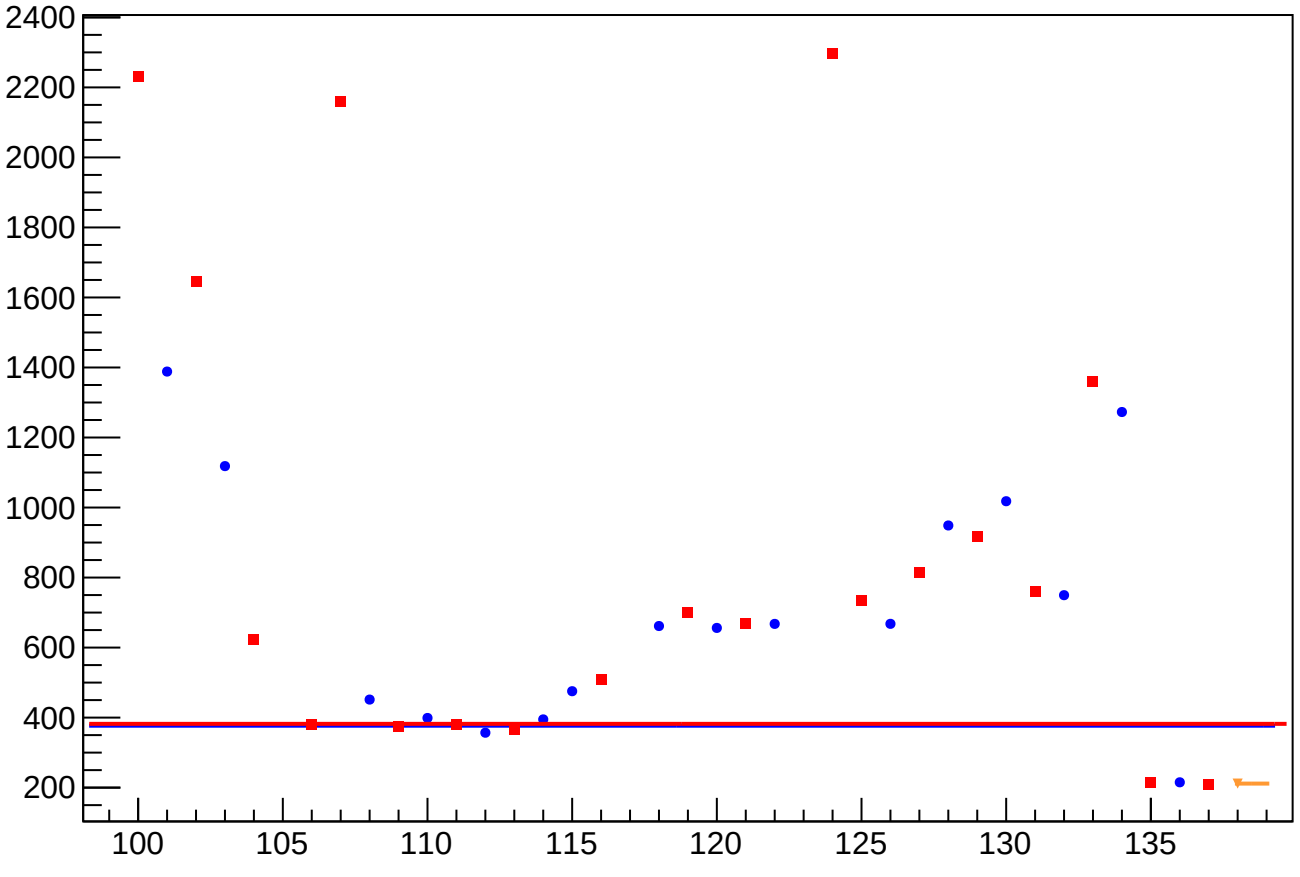
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -376.771+/-168.223 χ^2/NDF:17.9/15

Out: 193.015+/-138.672 χ^2/NDF:14.1/19

All: -37.518+/-107.003 χ^2/NDF: 38.8/35

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: 211.521+/-0.171 χ^2/NDF:0.0/0

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

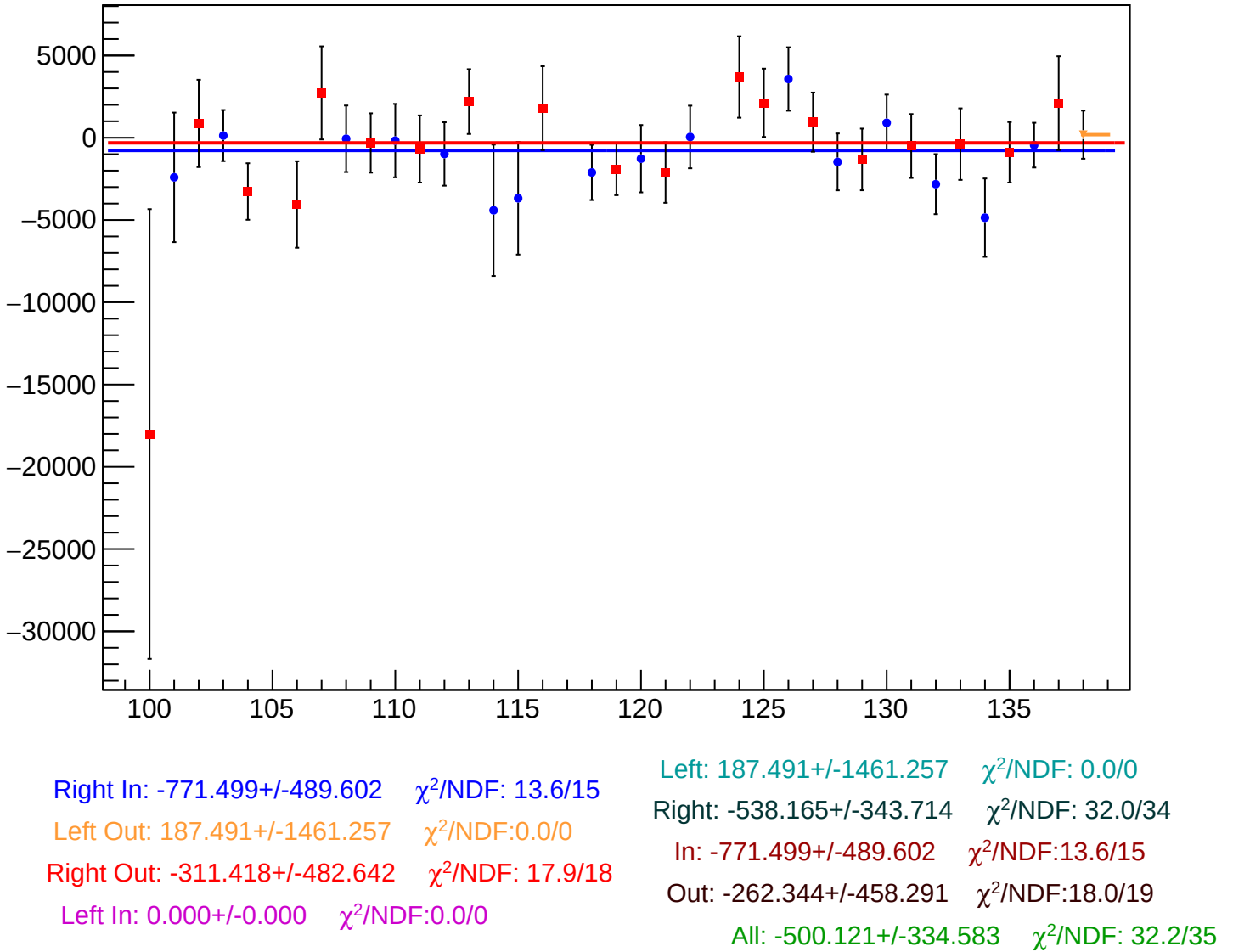
Left: 211.521+/-0.171 χ^2/NDF: 0.0/0

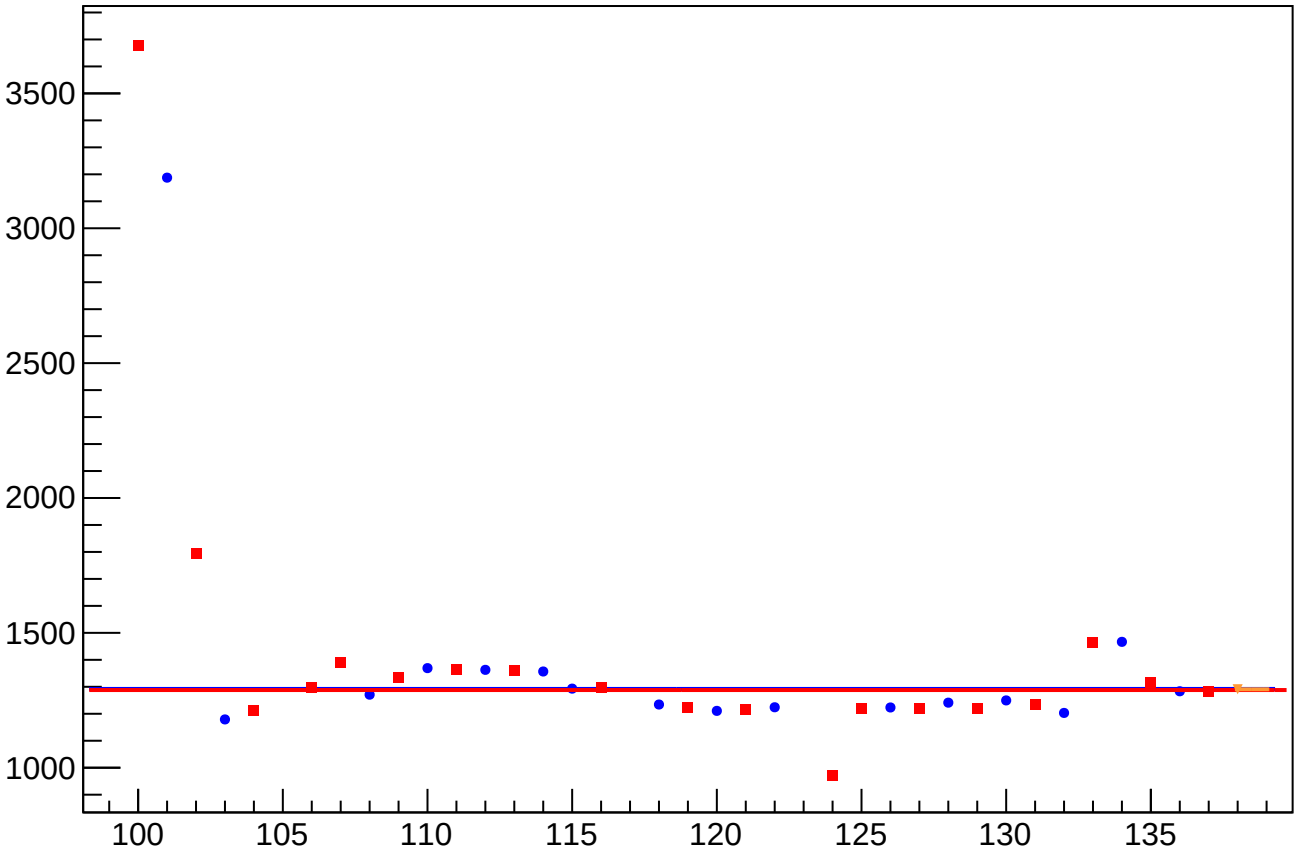
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 376.884+/-0.119 χ^2/NDF:4193328.0/15

Out: 325.884+/-0.098 χ^2/NDF:4728674.4/19

All: 346.518+/-0.076 χ^2/NDF: 9031450.0/35


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
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 187.491+/-1461.257 χ²/NDF:0.0/0
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 187.491+/-1461.257 χ²/NDF: 0.0/0
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -771.499+/-489.602 χ²/NDF:13.6/15
Out: -262.344+/-458.291 χ²/NDF:18.0/19
All: -500.121+/-334.583 χ²/NDF: 32.2/35



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1290.870+/-1.033 χ^2/NDF:0.0/0

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1290.870+/-1.033 χ^2/NDF: 0.0/0

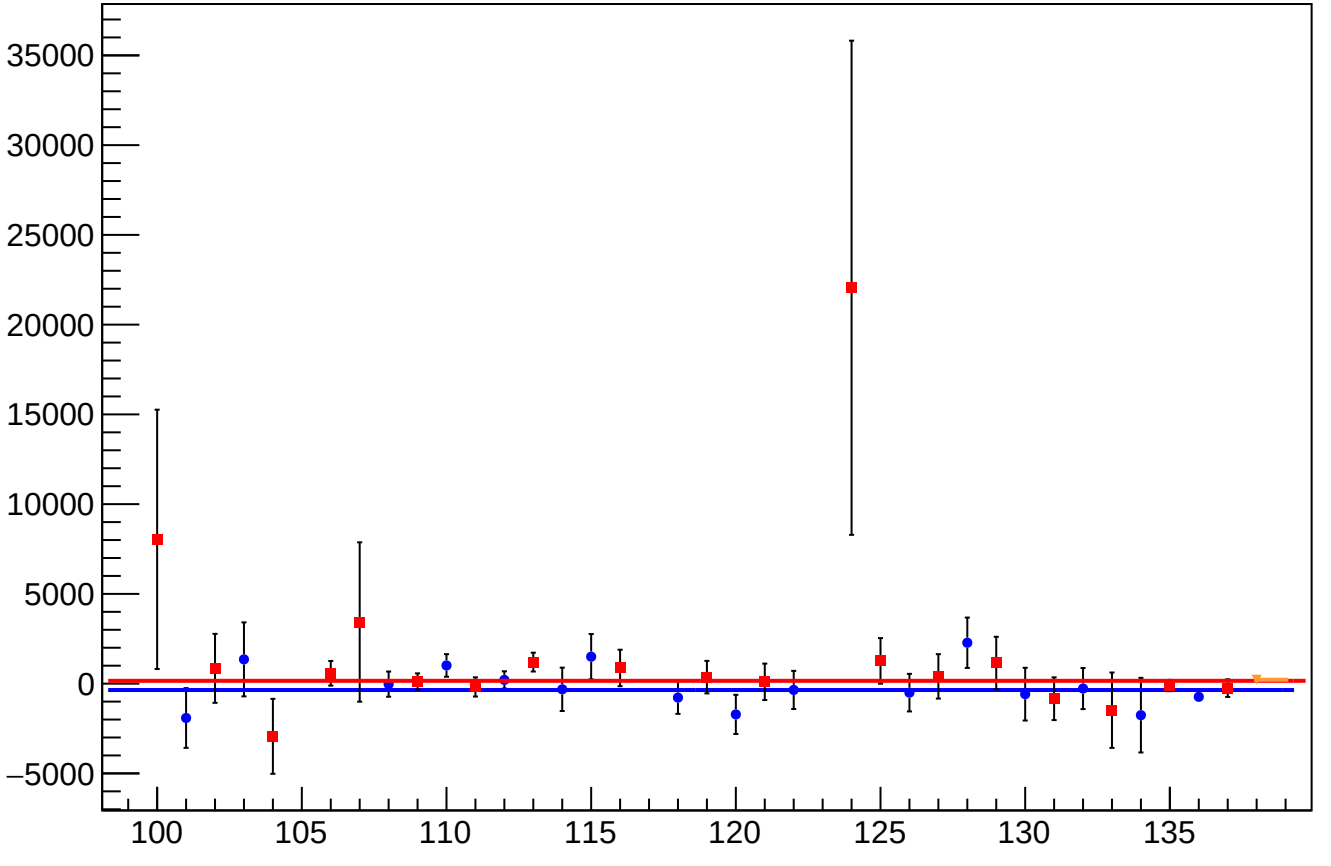
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1292.038+/-0.346 χ^2/NDF:509406.3/15

Out: 1288.272+/-0.324 χ^2/NDF:209215.8/19

All: 1290.031+/-0.237 χ^2/NDF: 718685.2/35

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: 218.216+/-243.635 χ^2/NDF:0.0/0

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 218.216+/-243.635 χ^2/NDF: 0.0/0

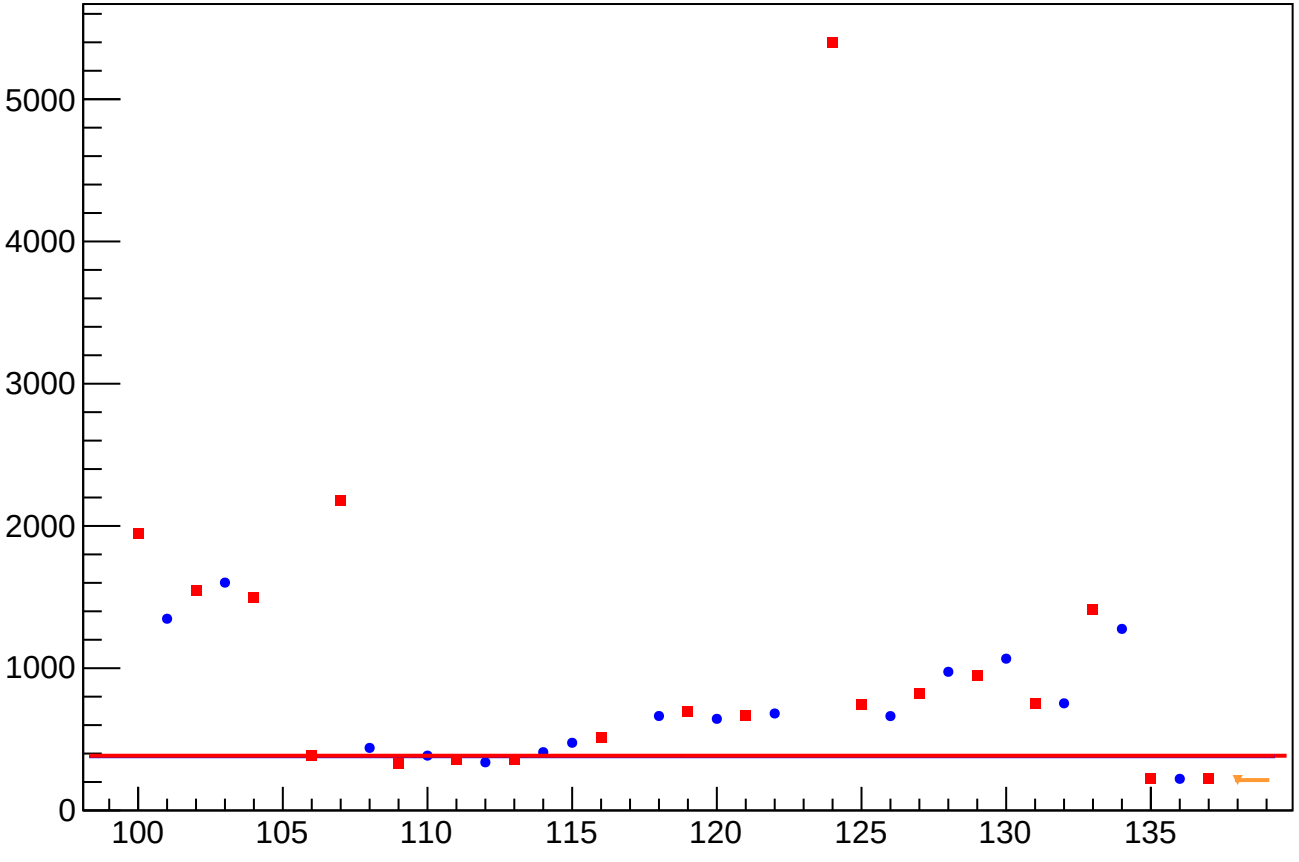
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -355.226+/-169.971 χ^2/NDF:18.4/15

Out: 177.614+/-139.231 χ^2/NDF:15.9/19

All: -36.351+/-107.708 χ^2/NDF: 40.2/35

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: 213.624+/-0.172 χ^2/NDF:0.0/0

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

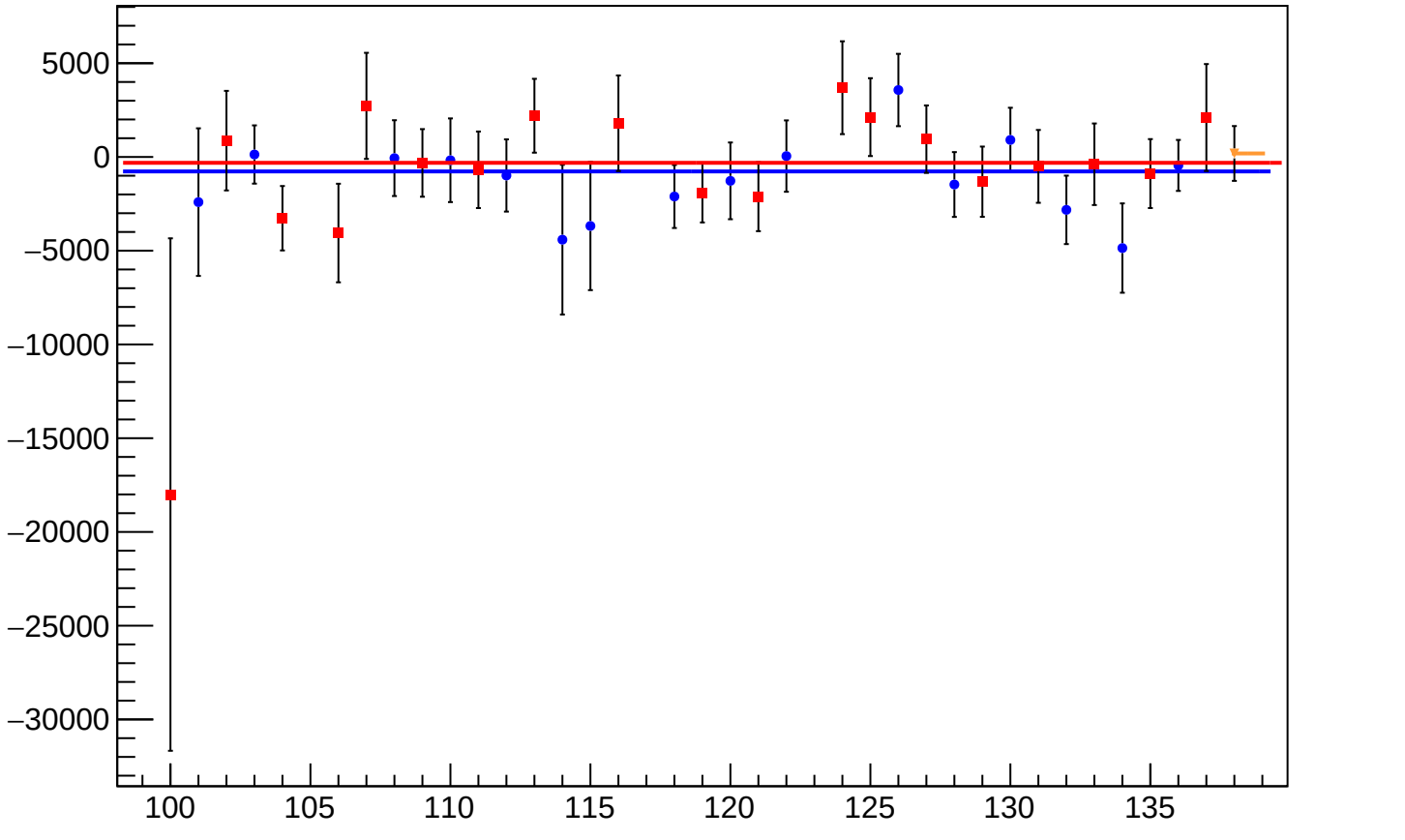
Left: 213.624+/-0.172 χ^2/NDF: 0.0/0

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 381.349+/-0.120 χ^2/NDF:4317922.6/15

Out: 328.797+/-0.098 χ^2/NDF:5223895.9/19

All: 349.900+/-0.076 χ^2/NDF: 9656234.7/35



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 187.510+/-1461.257 χ^2/NDF:0.0/0

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

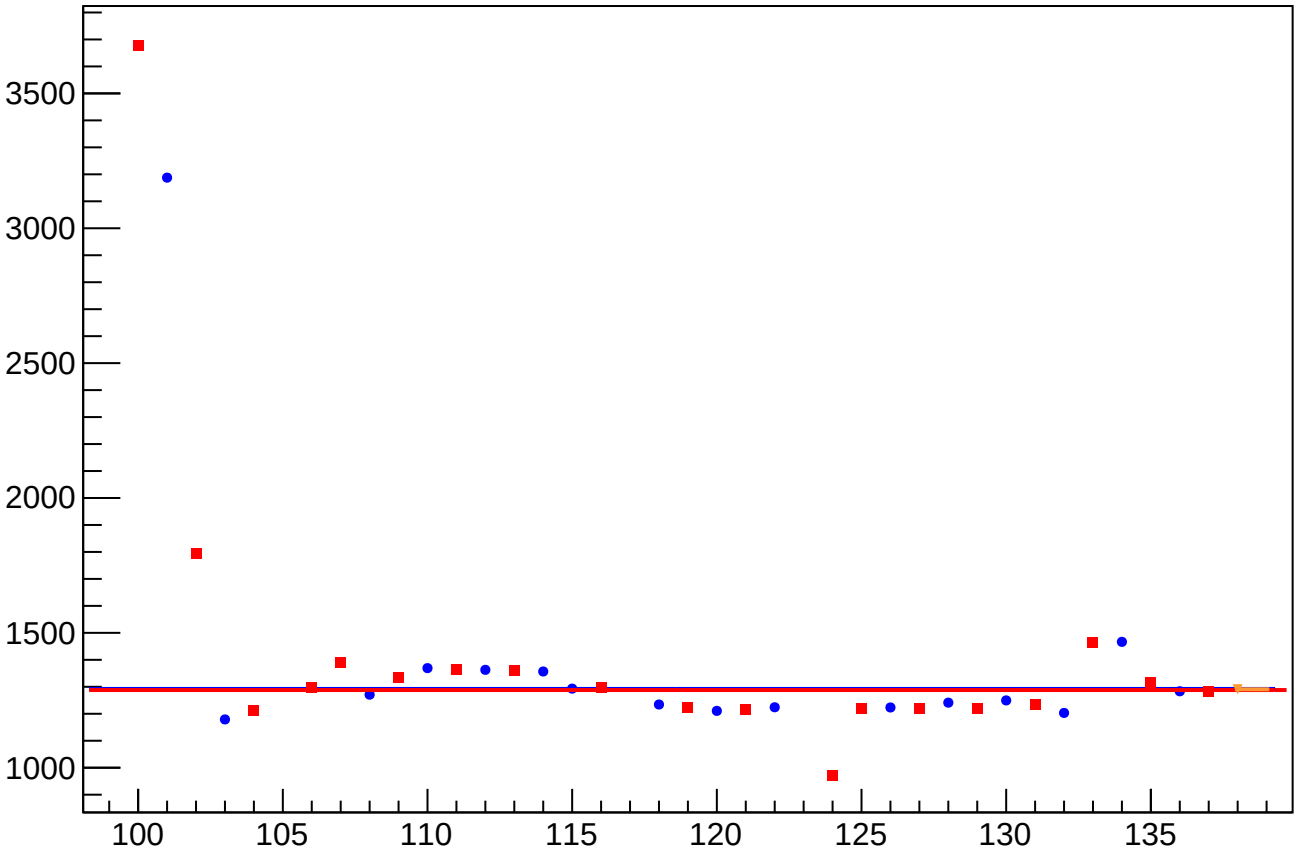
Left: 187.510+/-1461.257 χ^2/NDF: 0.0/0

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -771.501+/-489.602 χ^2/NDF:13.6/15

Out: -262.343+/-458.291 χ^2/NDF:18.0/19

All: -500.122+/-334.583 χ^2/NDF: 32.2/35



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1290.870+/-1.033 χ^2/NDF:0.0/0

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1290.870+/-1.033 χ^2/NDF: 0.0/0

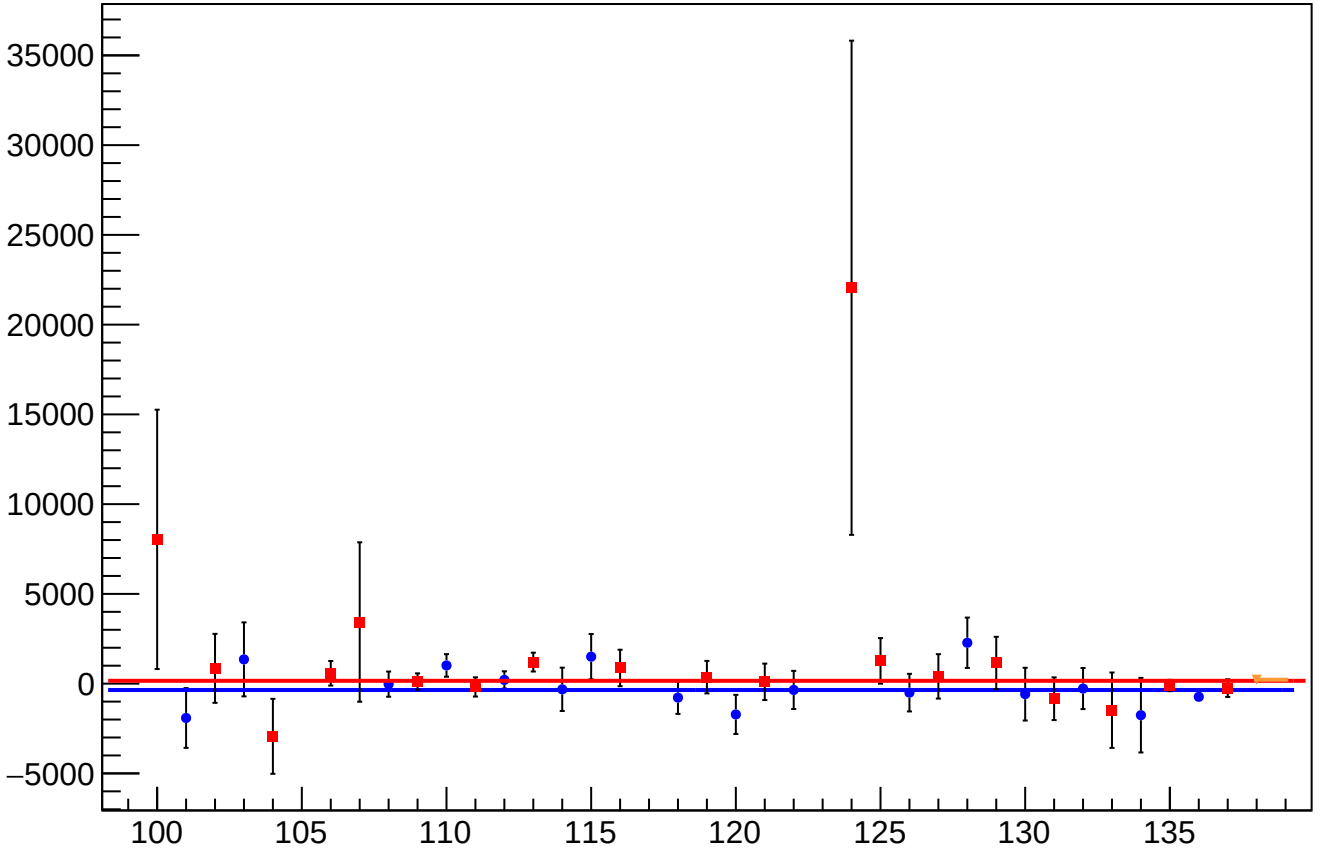
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1292.038+/-0.346 χ^2/NDF:509406.2/15

Out: 1288.272+/-0.324 χ^2/NDF:209216.1/19

All: 1290.031+/-0.237 χ^2/NDF: 718685.4/35

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: 218.233+/-243.650 χ^2/NDF:0.0/0

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 218.233+/-243.650 χ^2/NDF: 0.0/0

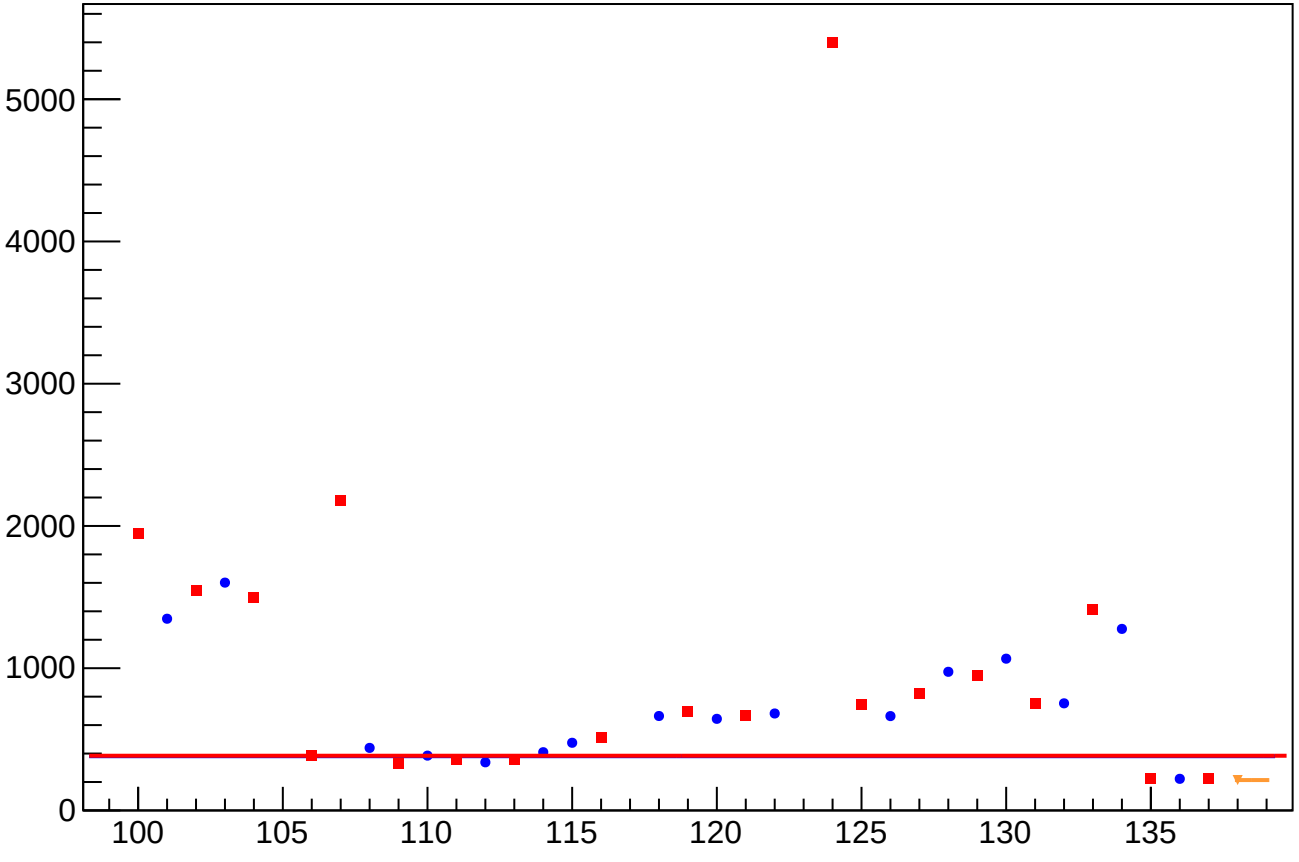
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -355.226+/-169.973 χ^2/NDF:18.4/15

Out: 177.622+/-139.235 χ^2/NDF:15.9/19

All: -36.349+/-107.710 χ^2/NDF: 40.2/35

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: 213.637+/-0.172 χ^2/NDF:0.0/0

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

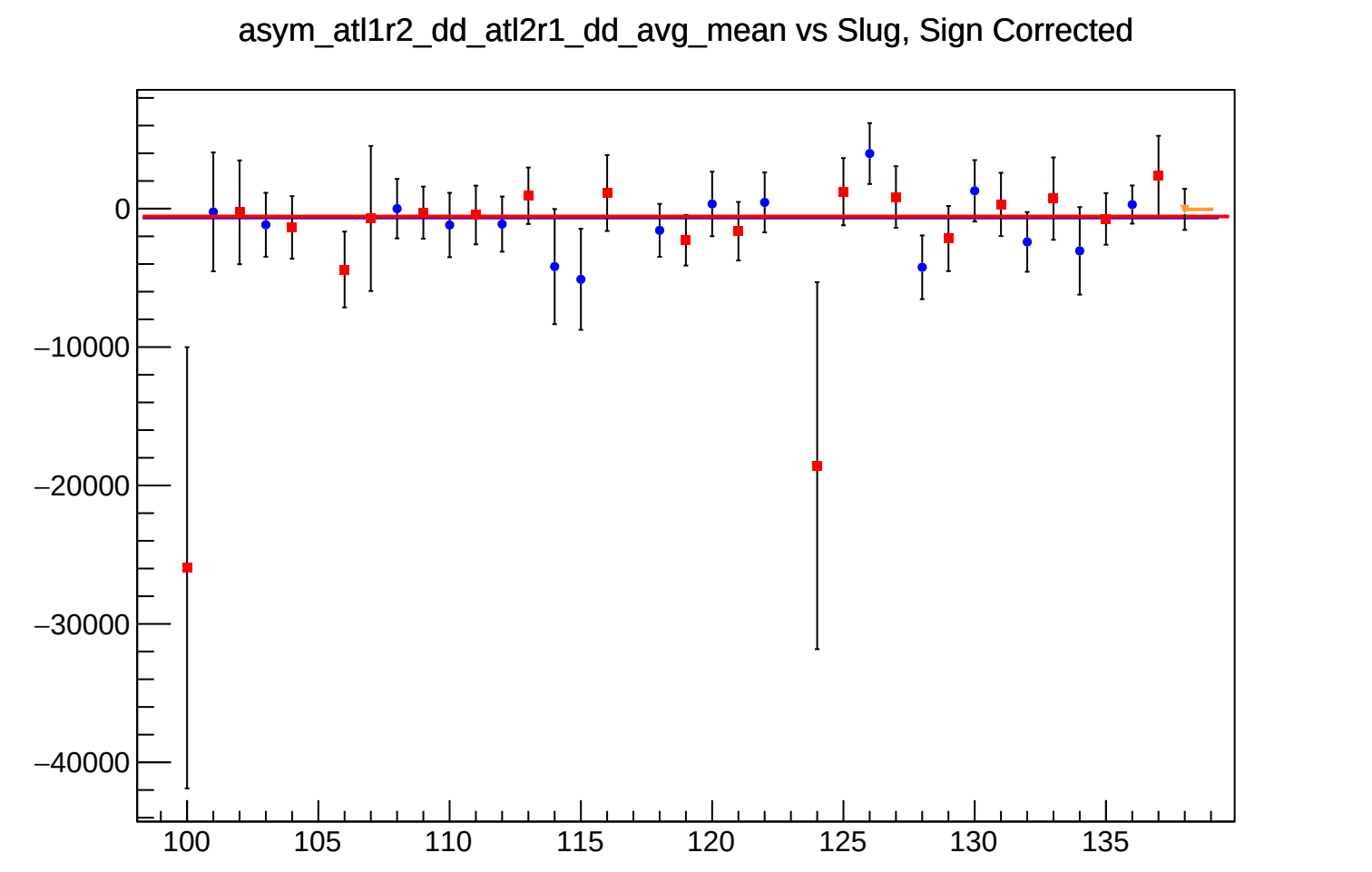
Left: 213.637+/-0.172 χ^2/NDF: 0.0/0

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 381.359+/-0.120 χ^2/NDF:4317737.3/15

Out: 328.810+/-0.098 χ^2/NDF:5223653.4/19

All: 349.912+/-0.076 χ^2/NDF: 9655788.2/35



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -53.980+/-1481.993 χ^2/NDF:0.0/0

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

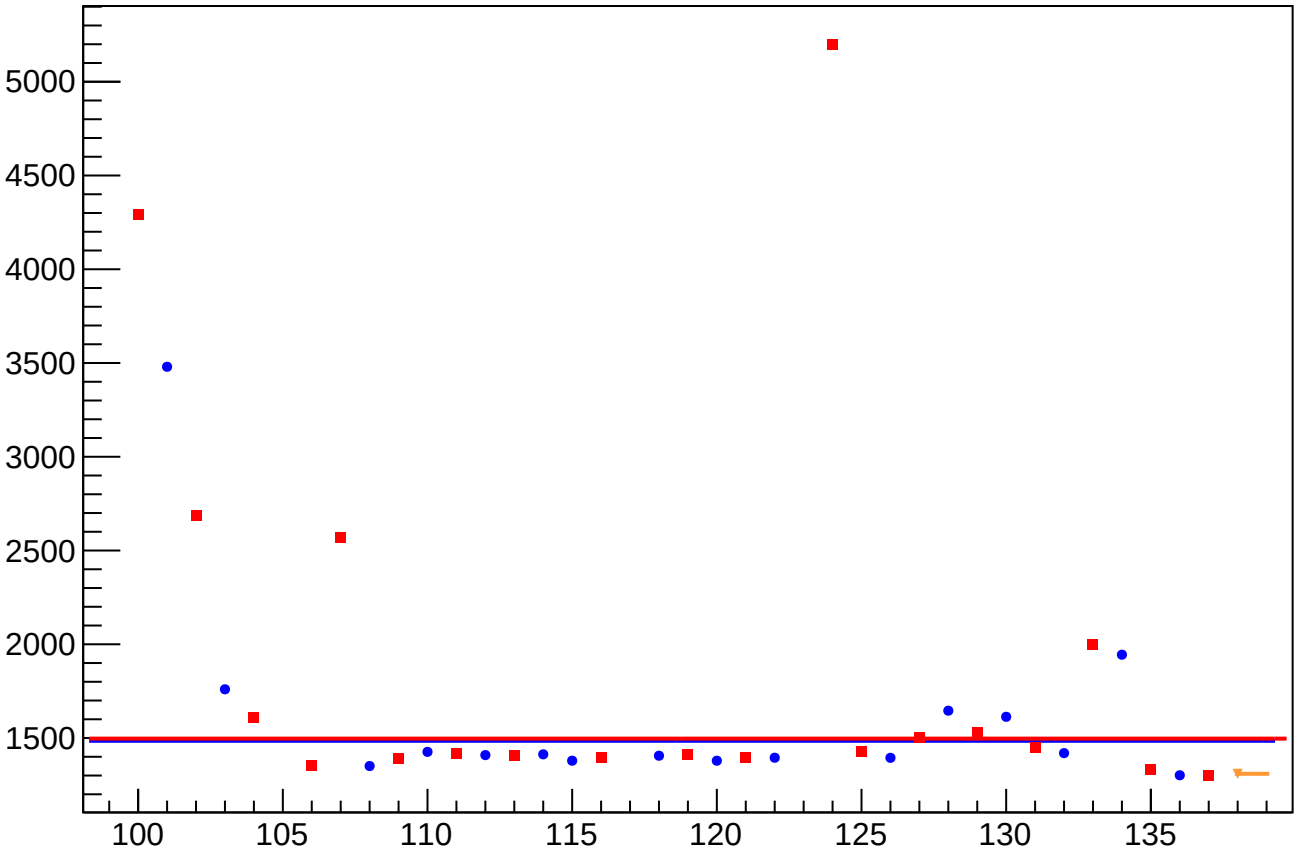
Left: -53.980+/-1481.993 χ^2/NDF: 0.0/0

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -640.824+/-564.366 χ^2/NDF:12.5/15

Out: -501.761+/-529.381 χ^2/NDF:11.4/19

All: -566.849+/-386.105 χ^2/NDF: 23.9/35



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1309.196+/-1.048 χ^2/NDF:0.0/0

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

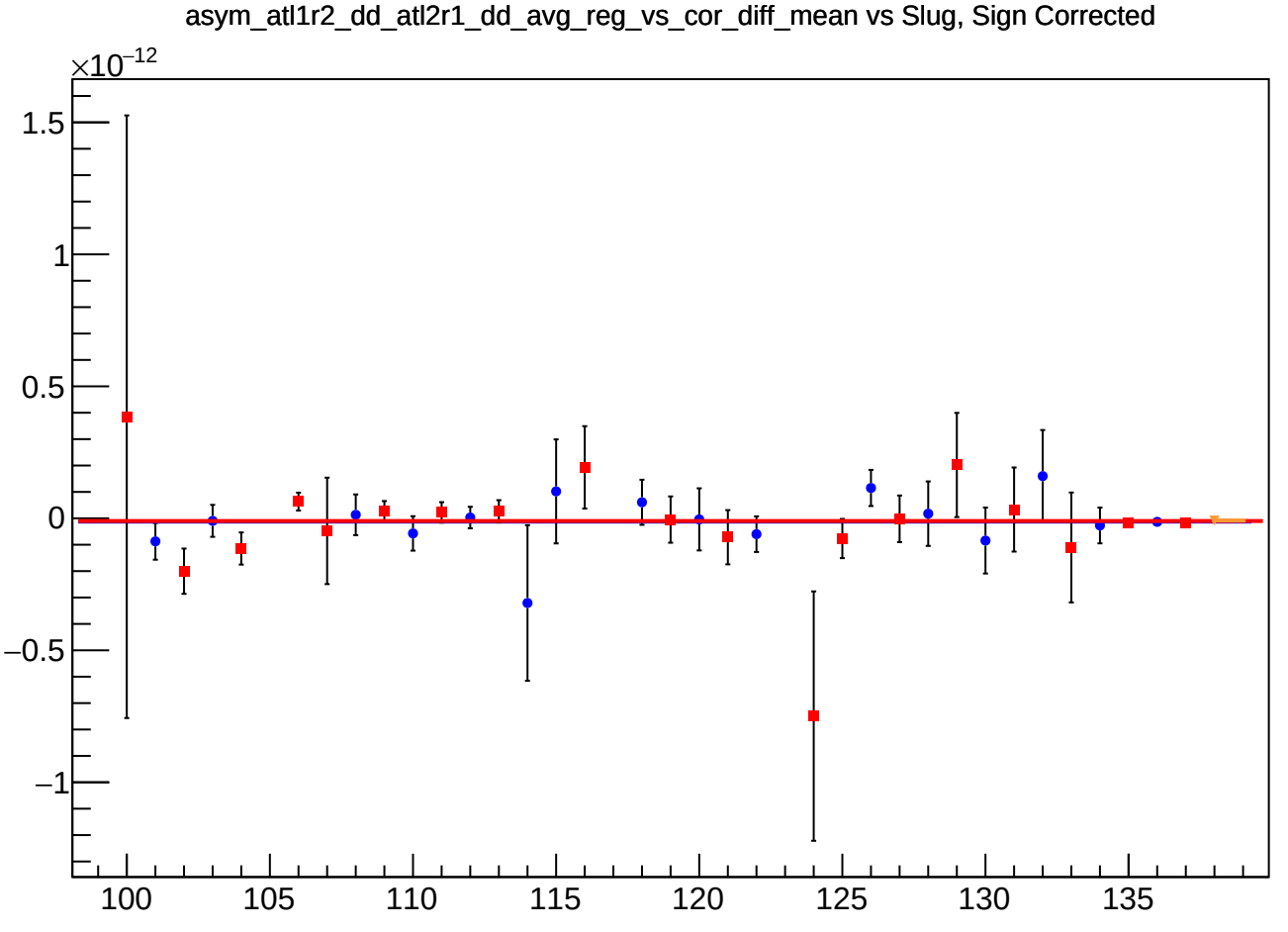
Left: 1309.196+/-1.048 χ^2/NDF: 0.0/0

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1485.370+/-0.399 χ^2/NDF:584470.1/15

Out: 1472.919+/-0.374 χ^2/NDF:651272.3/19

All: 1478.747+/-0.273 χ^2/NDF: 1236260.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

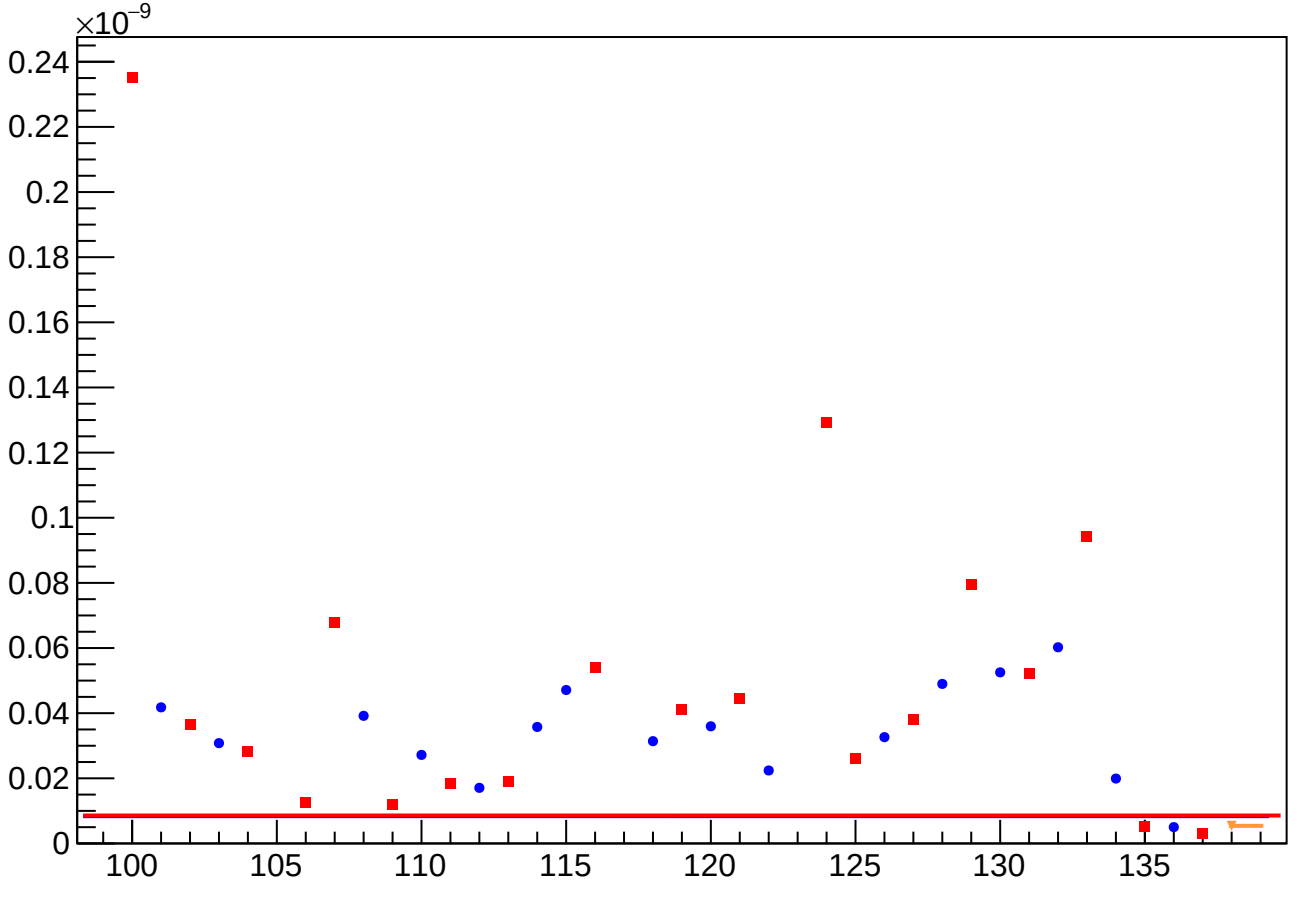
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:9.4/15

Out: -0.000+/-0.000 χ^2/NDF:22.3/19

All: -0.000+/-0.000 χ^2/NDF: 31.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

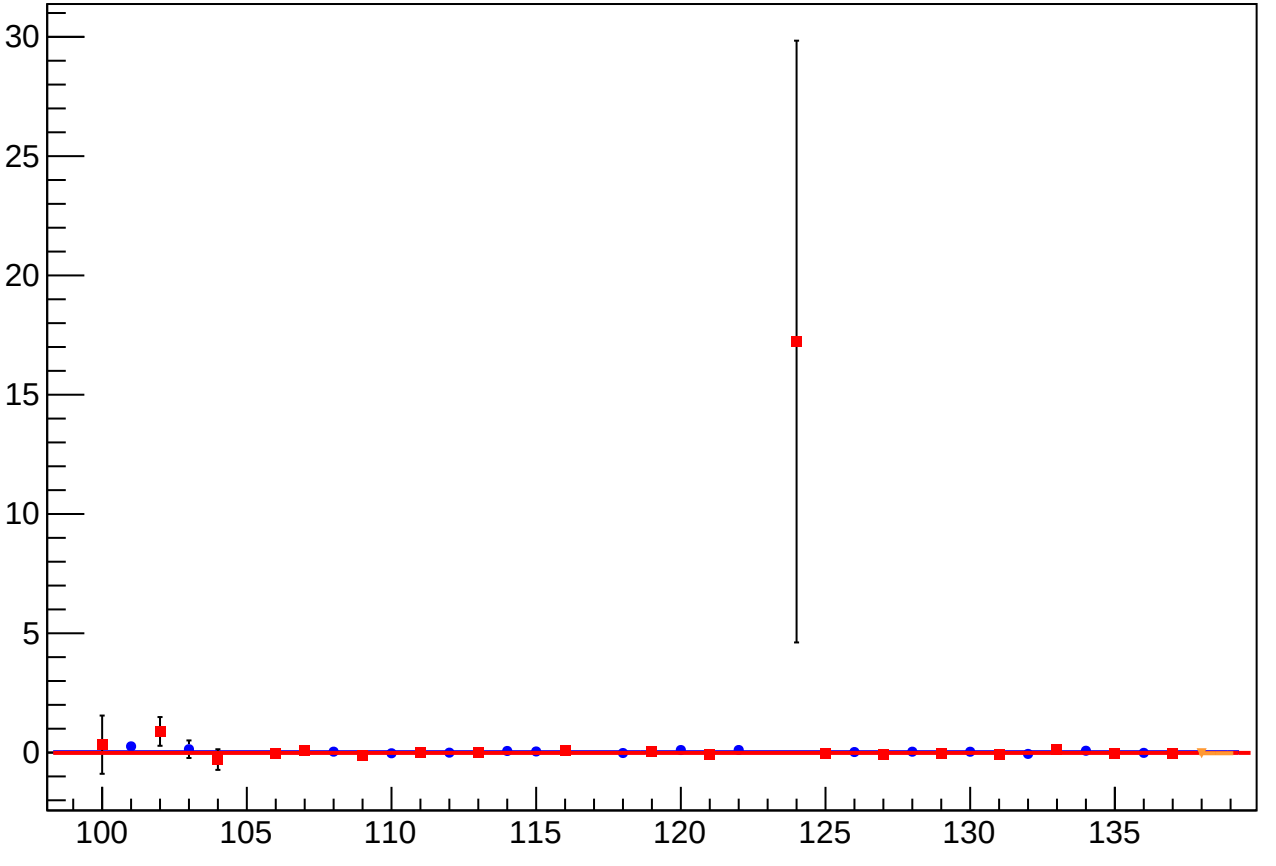
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3059657.6/15

Out: 0.000+/-0.000 χ^2/NDF:3493237.9/19

All: 0.000+/-0.000 χ^2/NDF: 6588678.8/35

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: -0.030+/-0.028 χ^2/NDF:0.0/0

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.028 χ^2/NDF: 0.0/0

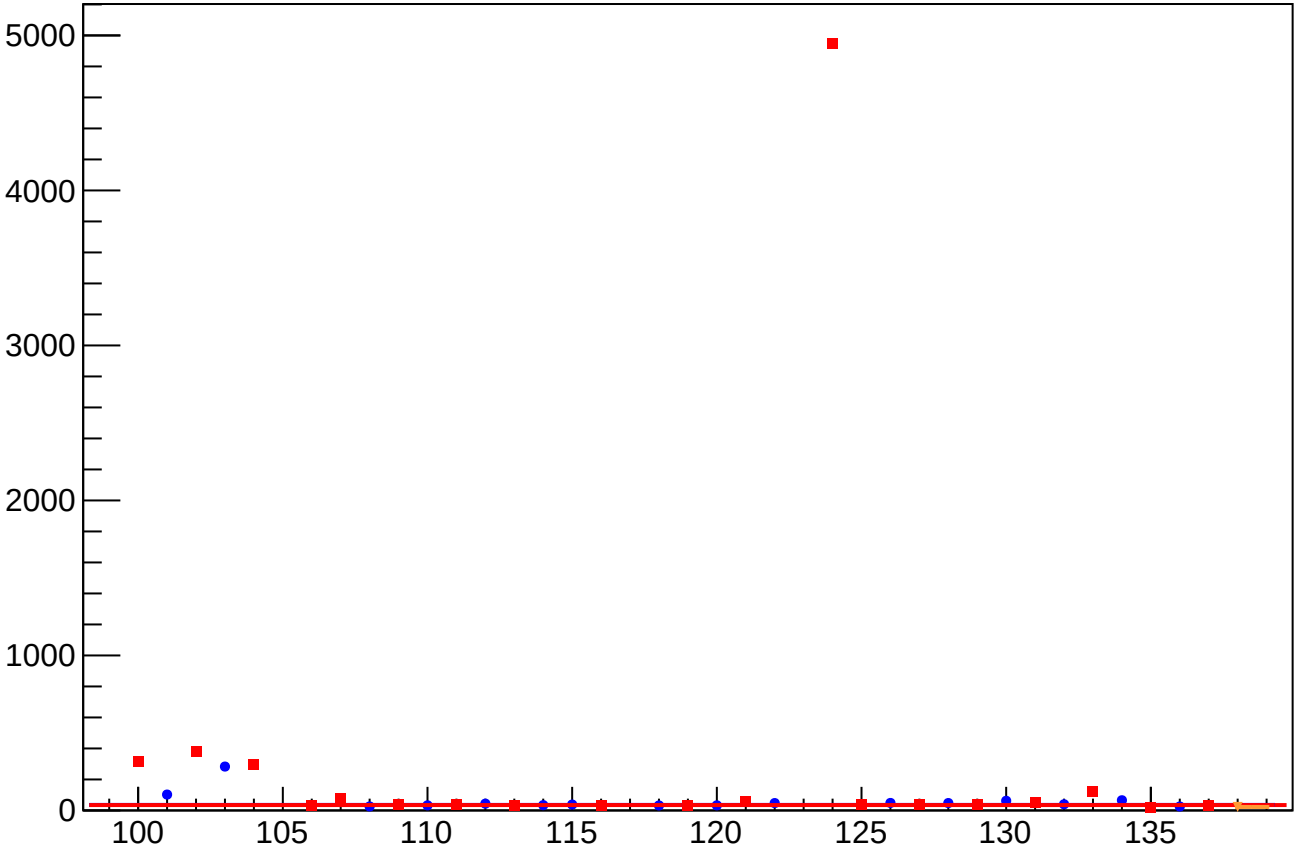
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.017+/-0.015 χ^2/NDF:11.5/15

Out: -0.018+/-0.014 χ^2/NDF:16.3/19

All: -0.003+/-0.010 χ^2/NDF: 30.6/35

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: 22.516+/-0.020 χ^2/NDF:0.0/0

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 22.516+/-0.020 χ^2/NDF: 0.0/0

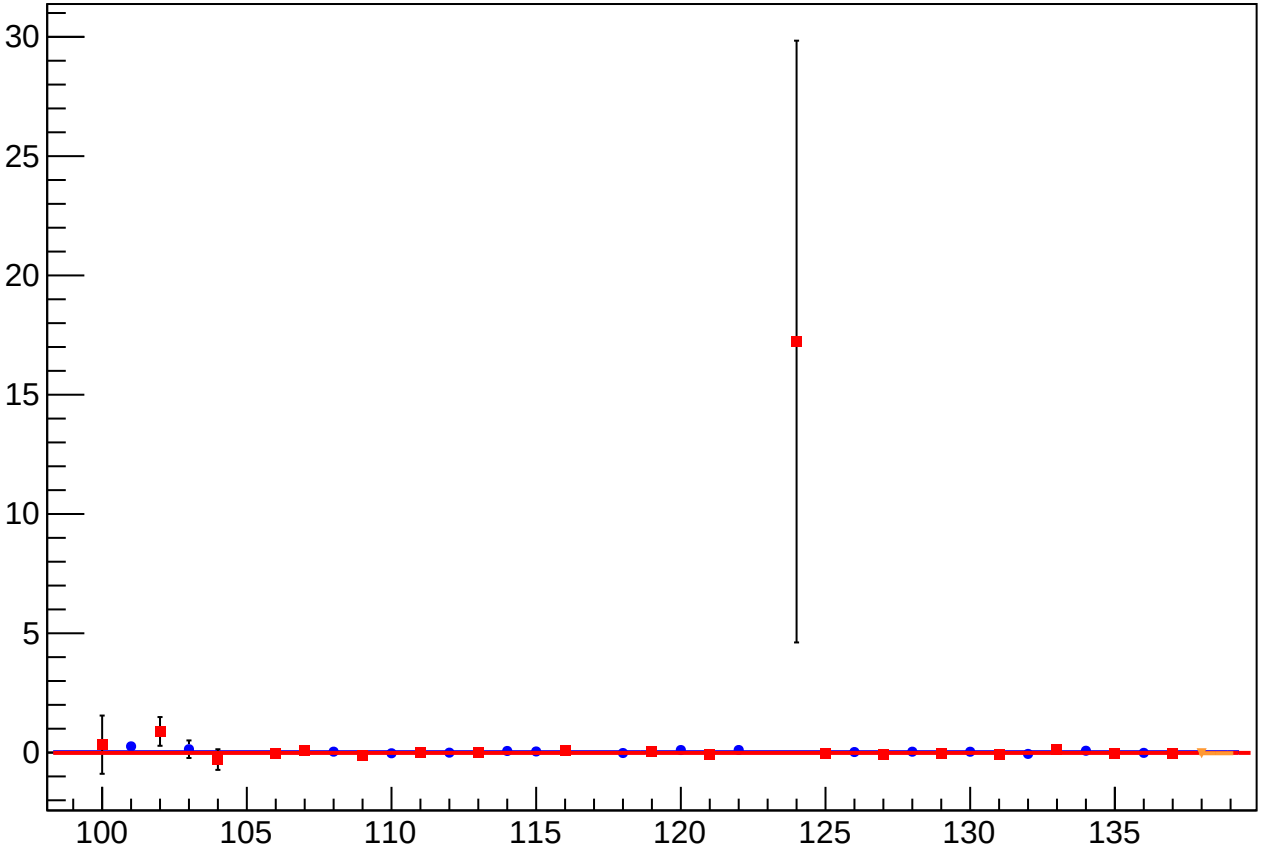
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.742+/-0.011 χ^2/NDF:2264790.8/15

Out: 31.817+/-0.010 χ^2/NDF:3214059.4/19

All: 33.530+/-0.007 χ^2/NDF: 5551596.1/35

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: -0.030+/-0.028 χ^2/NDF:0.0/0

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.028 χ^2/NDF: 0.0/0

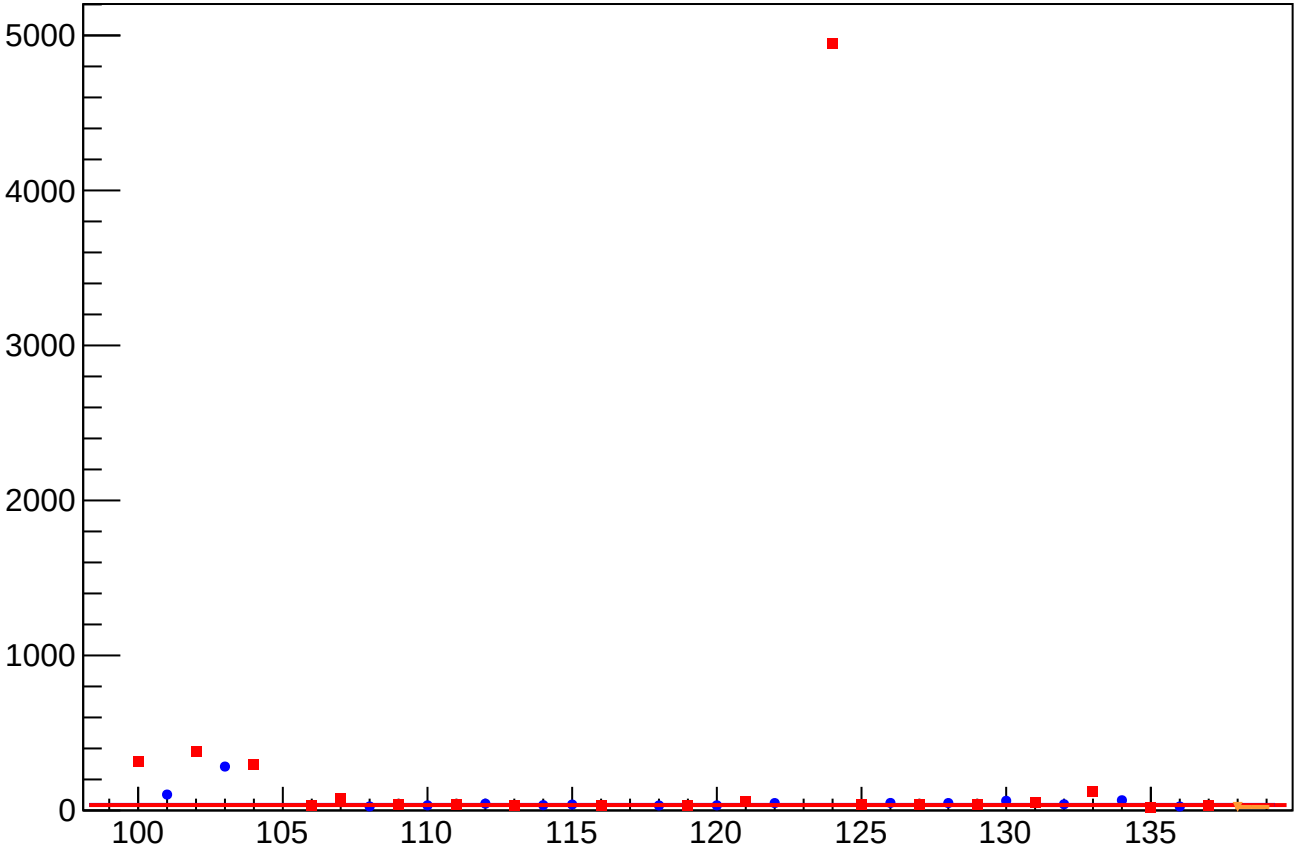
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.017+/-0.015 χ^2/NDF:11.5/15

Out: -0.018+/-0.014 χ^2/NDF:16.3/19

All: -0.003+/-0.010 χ^2/NDF: 30.6/35

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: 22.516+/-0.020 χ^2/NDF:0.0/0

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

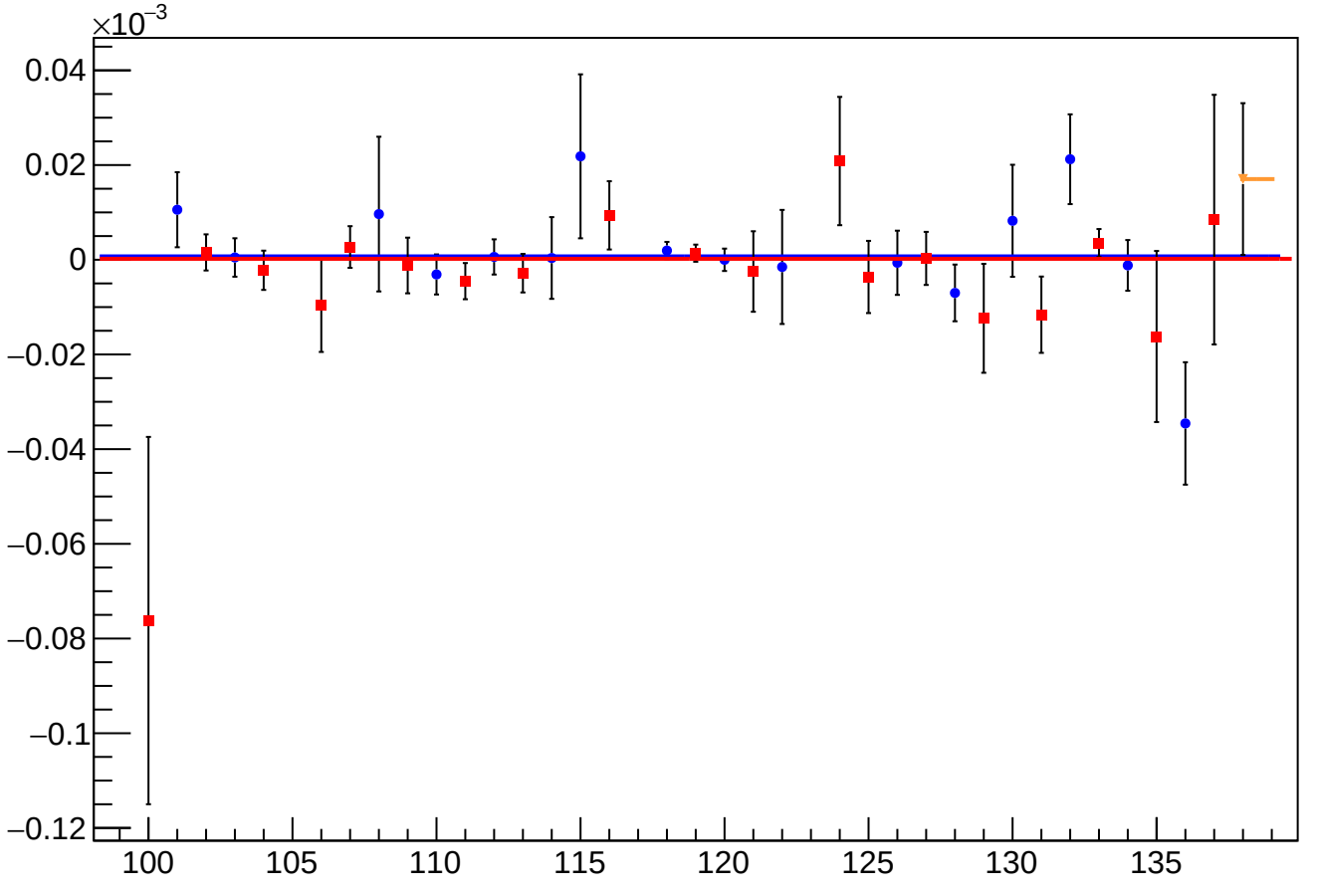
Left: 22.516+/-0.020 χ^2/NDF: 0.0/0

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.742+/-0.011 χ^2/NDF:2264790.8/15

Out: 31.817+/-0.010 χ^2/NDF:3214059.4/19

All: 33.530+/-0.007 χ^2/NDF: 5551596.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

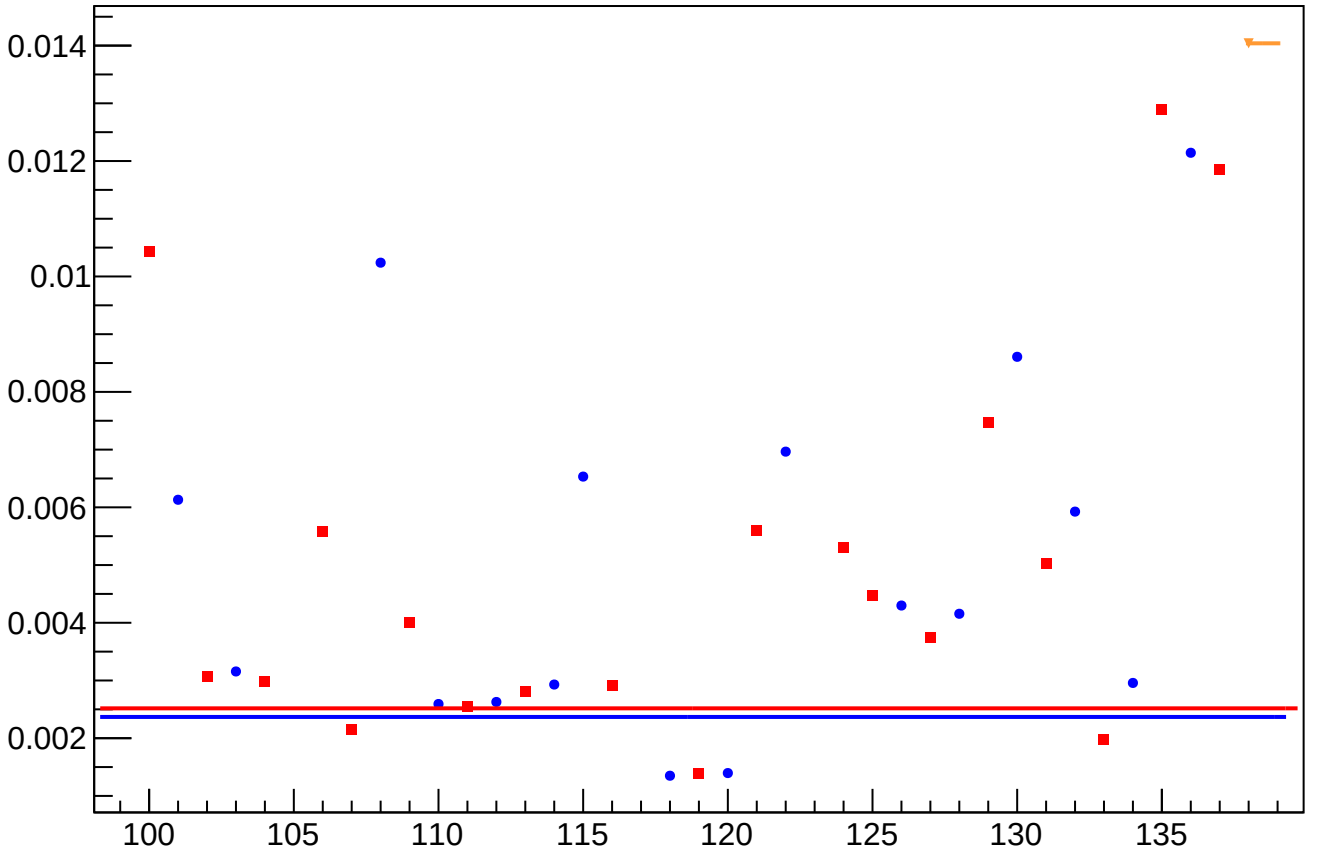
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:19.1/15

Out: 0.000+/-0.000 χ^2/NDF:19.2/19

All: 0.000+/-0.000 χ^2/NDF: 38.4/35



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.014+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.014+/-0.000 χ^2/NDF: 0.0/0

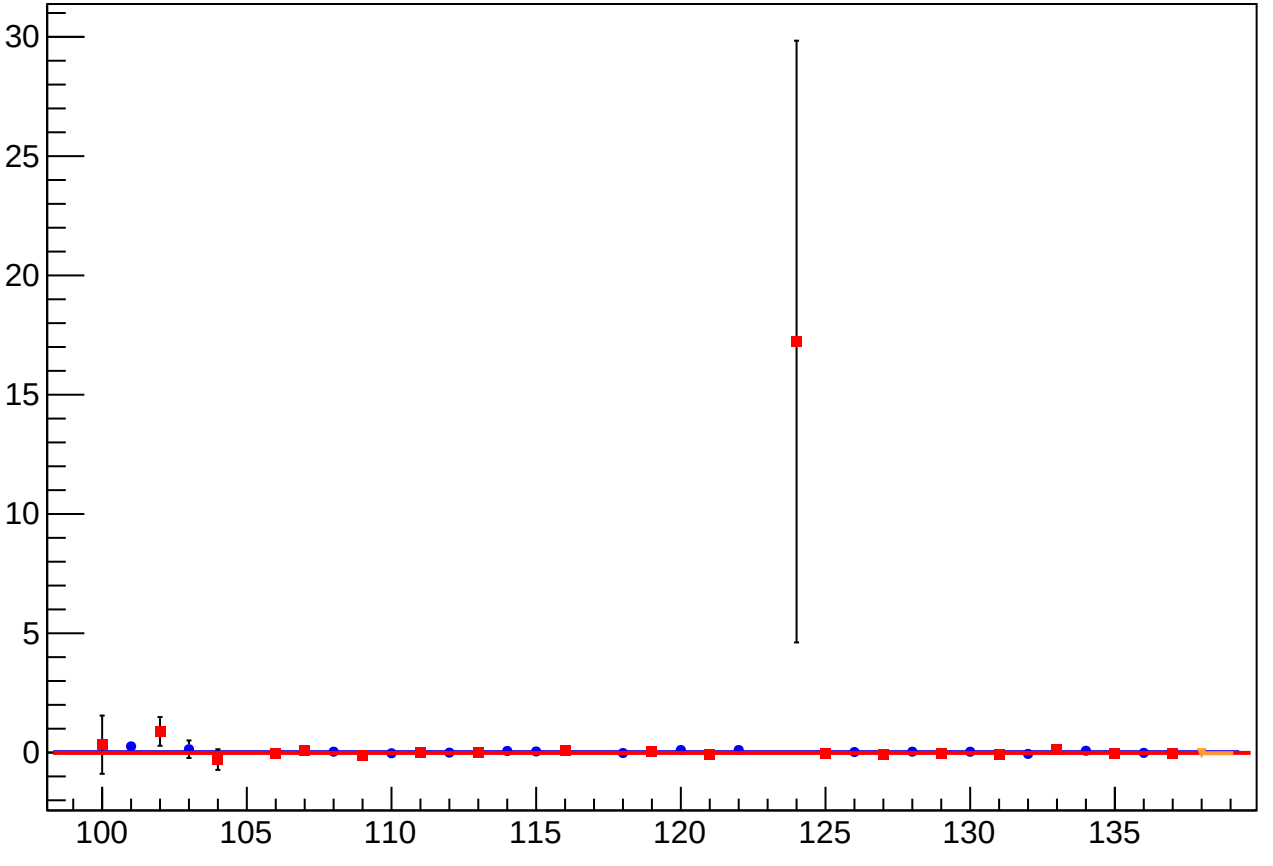
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:4721602.1/15

Out: 0.003+/-0.000 χ^2/NDF:4426245.2/19

All: 0.002+/-0.000 χ^2/NDF: 9181766.1/35

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: -0.030+/-0.028 χ^2/NDF:0.0/0

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.028 χ^2/NDF: 0.0/0

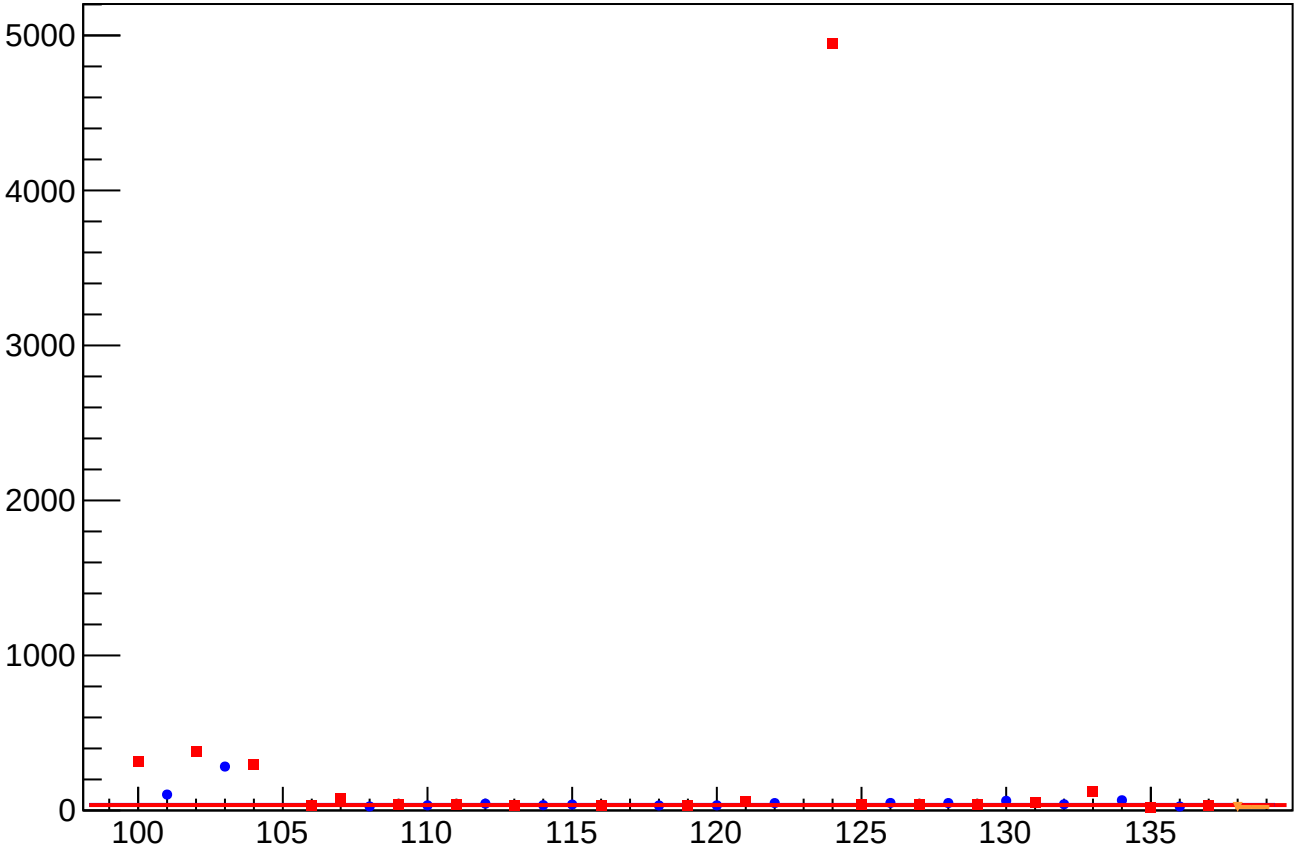
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.017+/-0.015 χ^2/NDF:11.5/15

Out: -0.018+/-0.014 χ^2/NDF:16.3/19

All: -0.003+/-0.010 χ^2/NDF: 30.6/35

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: 22.514+/-0.020 χ^2/NDF:0.0/0

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 22.514+/-0.020 χ^2/NDF: 0.0/0

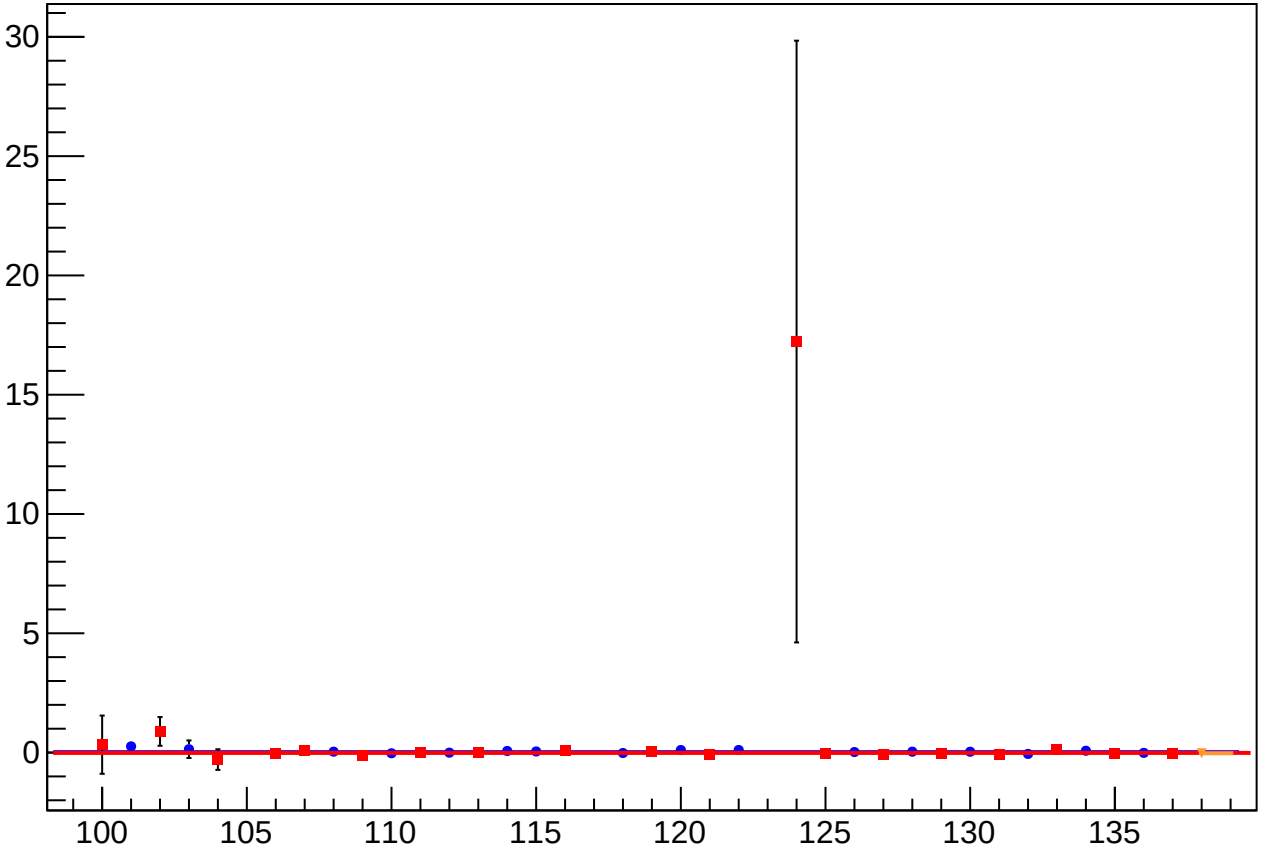
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.743+/-0.011 χ^2/NDF:2264513.9/15

Out: 31.818+/-0.010 χ^2/NDF:3214018.4/19

All: 33.531+/-0.007 χ^2/NDF: 5551327.9/35

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: -0.030+/-0.028 χ^2/NDF:0.0/0

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.028 χ^2/NDF: 0.0/0

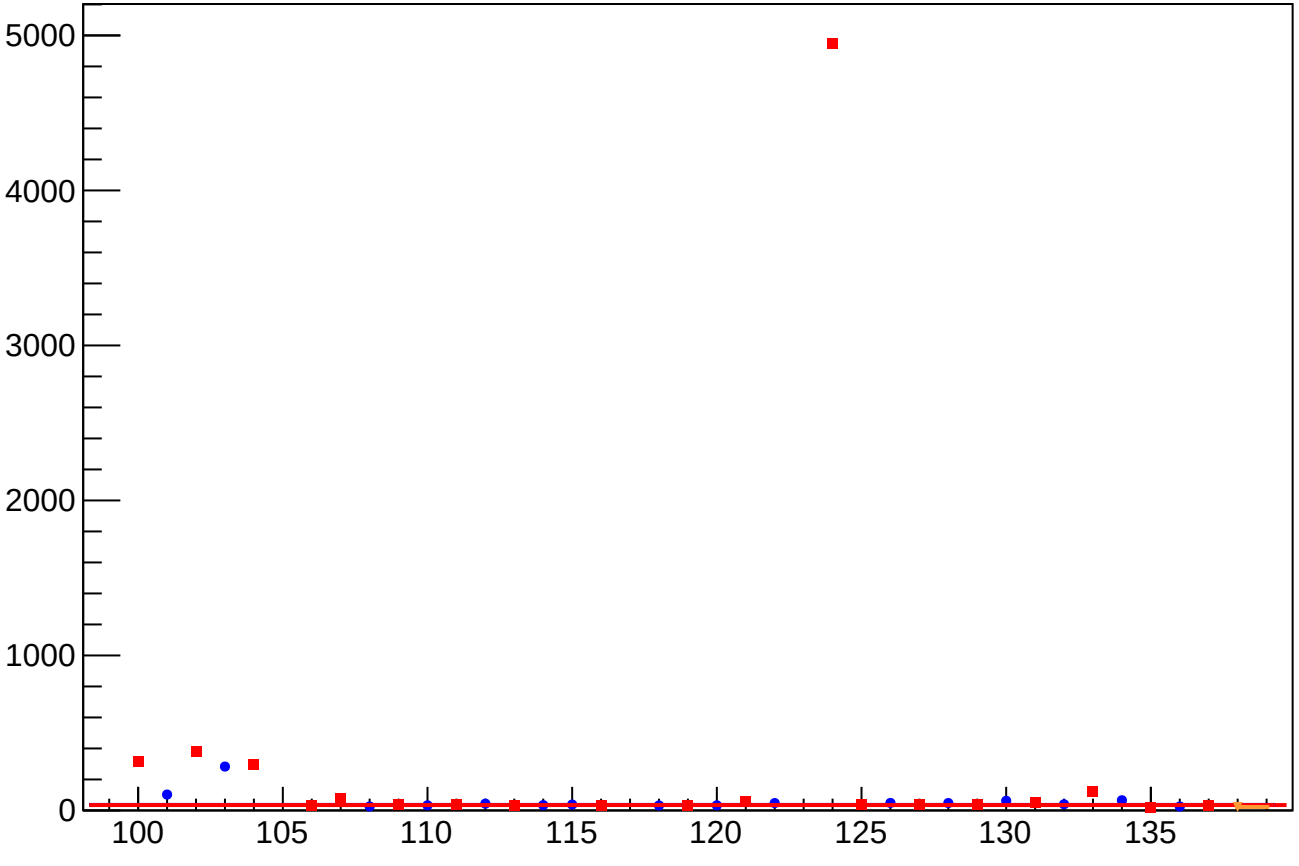
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.017+/-0.015 χ^2/NDF:11.5/15

Out: -0.018+/-0.014 χ^2/NDF:16.3/19

All: -0.003+/-0.010 χ^2/NDF: 30.6/35

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: 22.514+/-0.020 χ^2/NDF:0.0/0

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

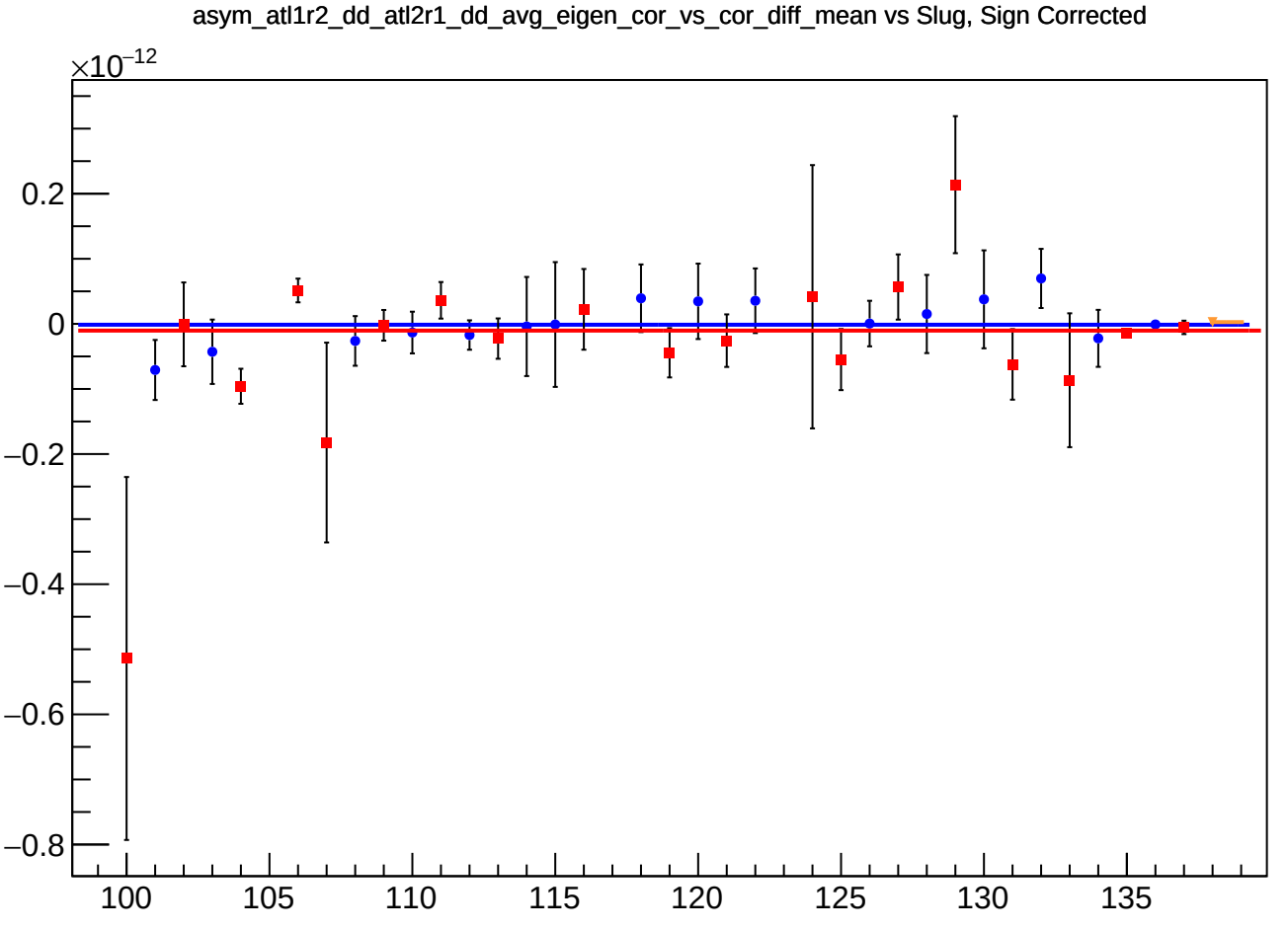
Left: 22.514+/-0.020 χ^2/NDF: 0.0/0

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.743+/-0.011 χ^2/NDF:2264513.9/15

Out: 31.818+/-0.010 χ^2/NDF:3214018.4/19

All: 33.531+/-0.007 χ^2/NDF: 5551327.9/35



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

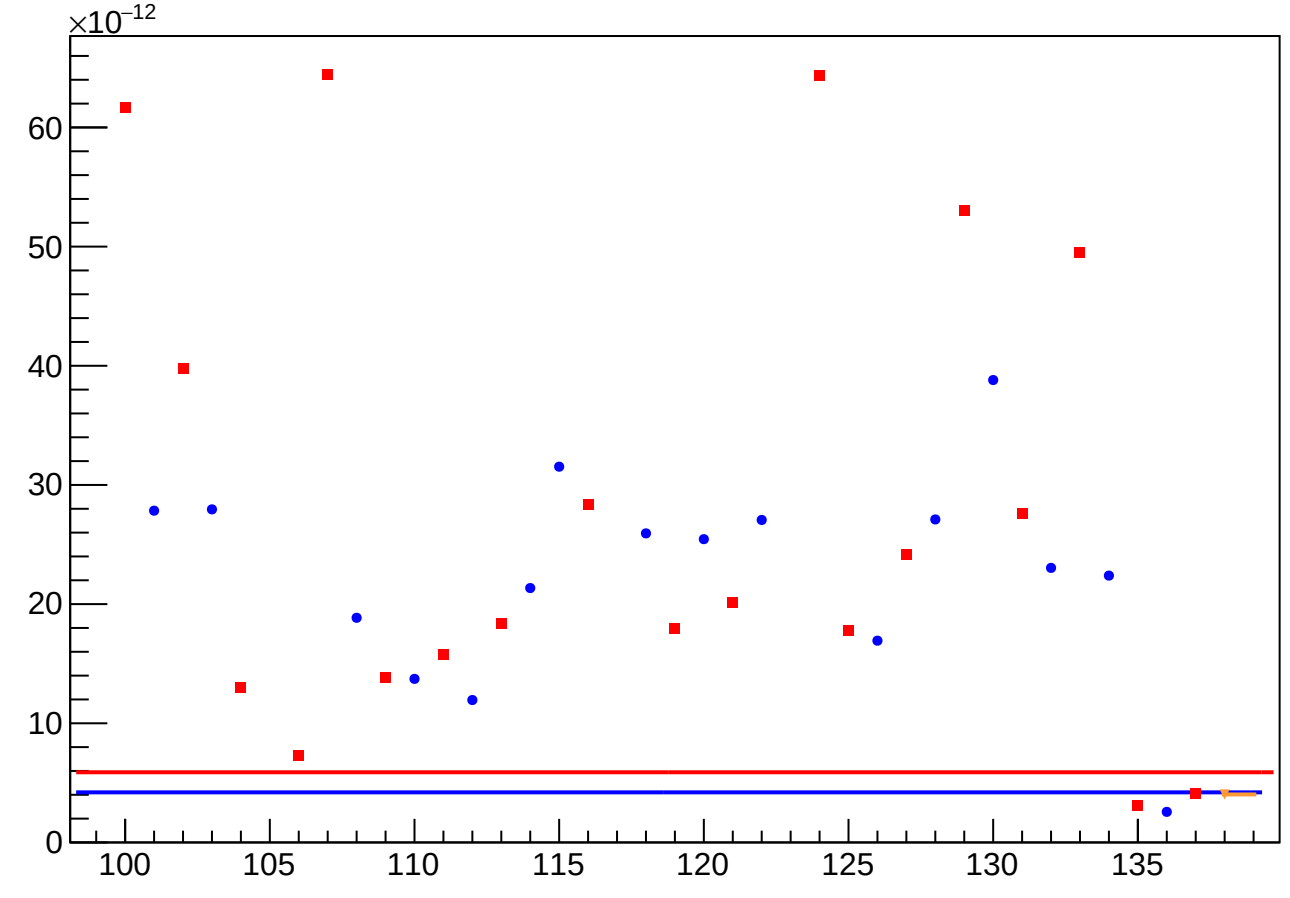
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: -0.000+/-0.000 χ^2/NDF:8.6/15

Out: -0.000+/-0.000 χ^2/NDF:43.4/19

All: -0.000+/-0.000 χ^2/NDF: 52.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

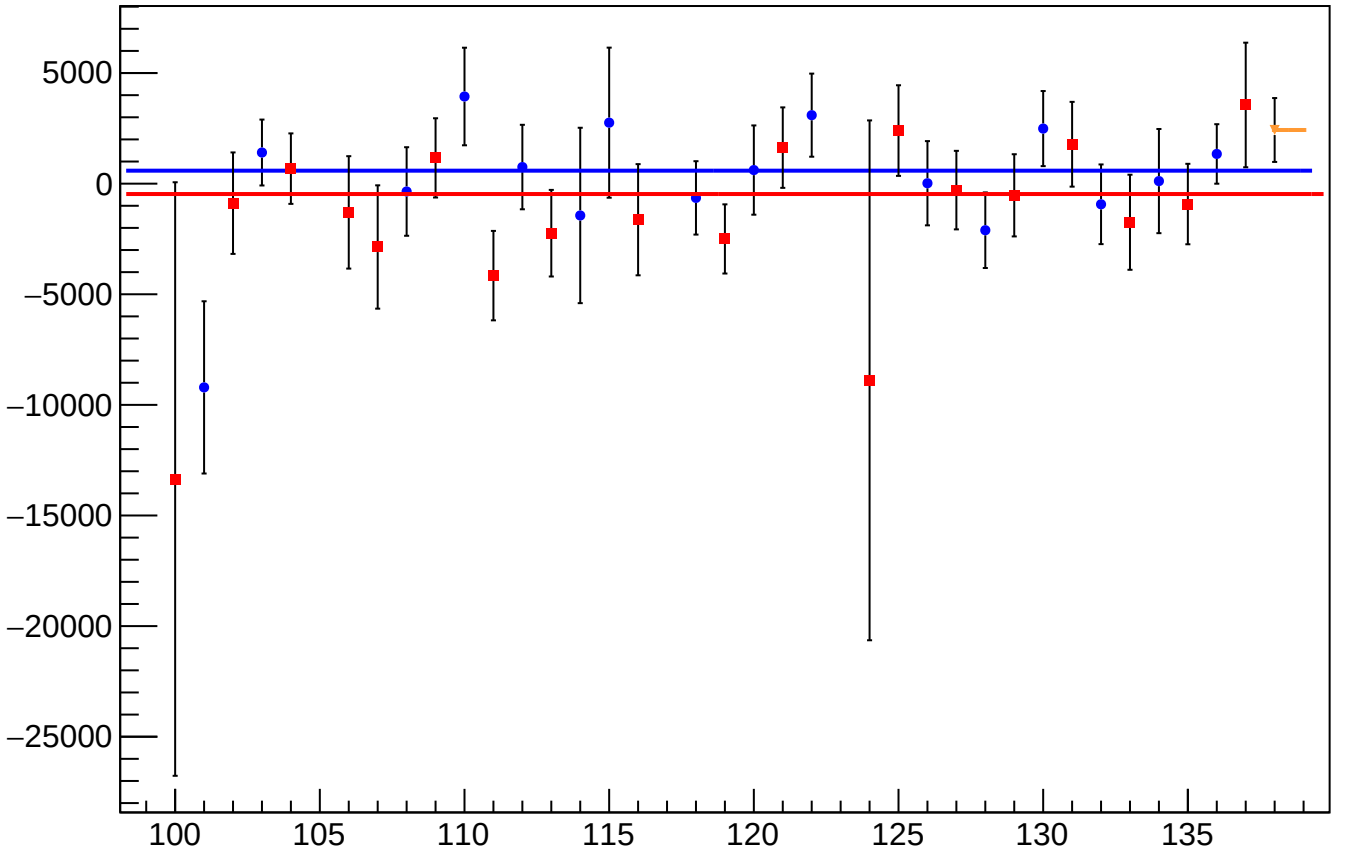
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5080225.0/15

Out: 0.000+/-0.000 χ^2/NDF:5006597.3/19

All: 0.000+/-0.000 χ^2/NDF: 10175170.0/35



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: 2425.769+/-1443.726 χ^2/NDF:0.0/0

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

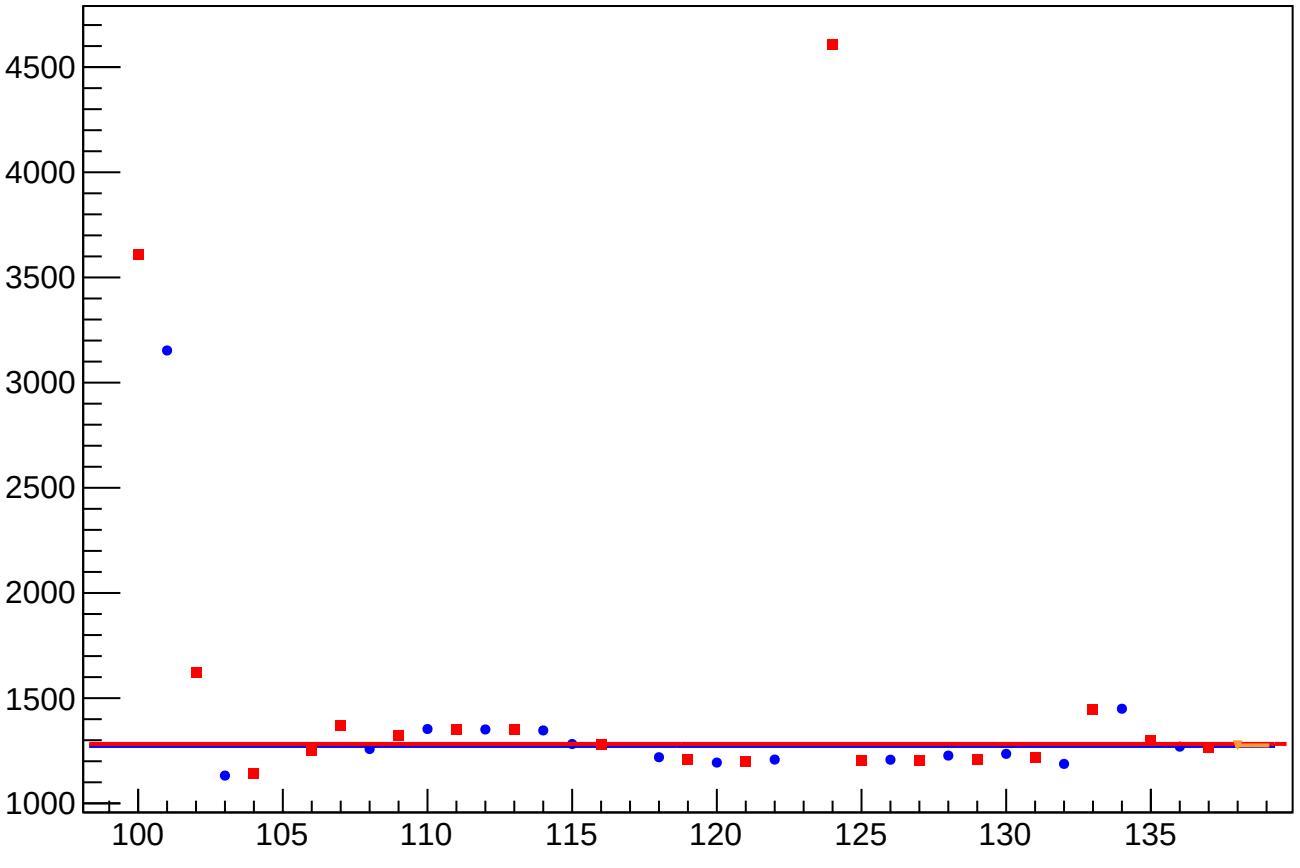
Left: 2425.769+/-1443.726 χ^2/NDF: 0.0/0

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 586.935+/-482.434 χ^2/NDF:17.1/15

Out: -180.320+/-455.926 χ^2/NDF:20.5/19

All: 181.650+/-331.363 χ^2/NDF: 38.9/35



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1275.395+/-1.021 χ^2/NDF:0.0/0

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

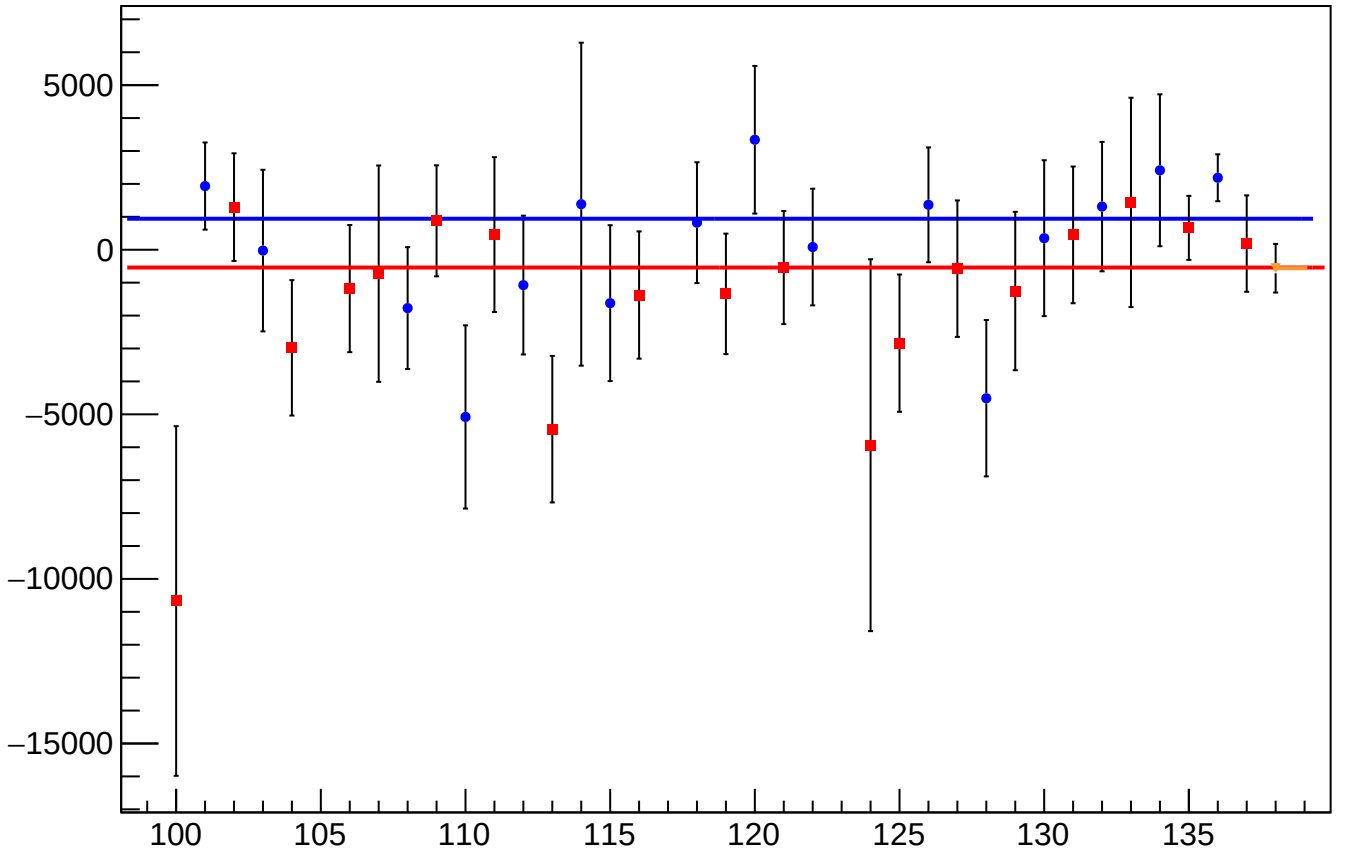
Left: 1275.395+/-1.021 χ^2/NDF: 0.0/0

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1272.804+/-0.341 χ^2/NDF:519298.2/15

Out: 1281.670+/-0.322 χ^2/NDF:322120.6/19

All: 1277.487+/-0.234 χ^2/NDF: 841775.5/35



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: -562.194+/-738.440 χ^2/NDF:0.0/0

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -562.194+/-738.440 χ^2/NDF: 0.0/0

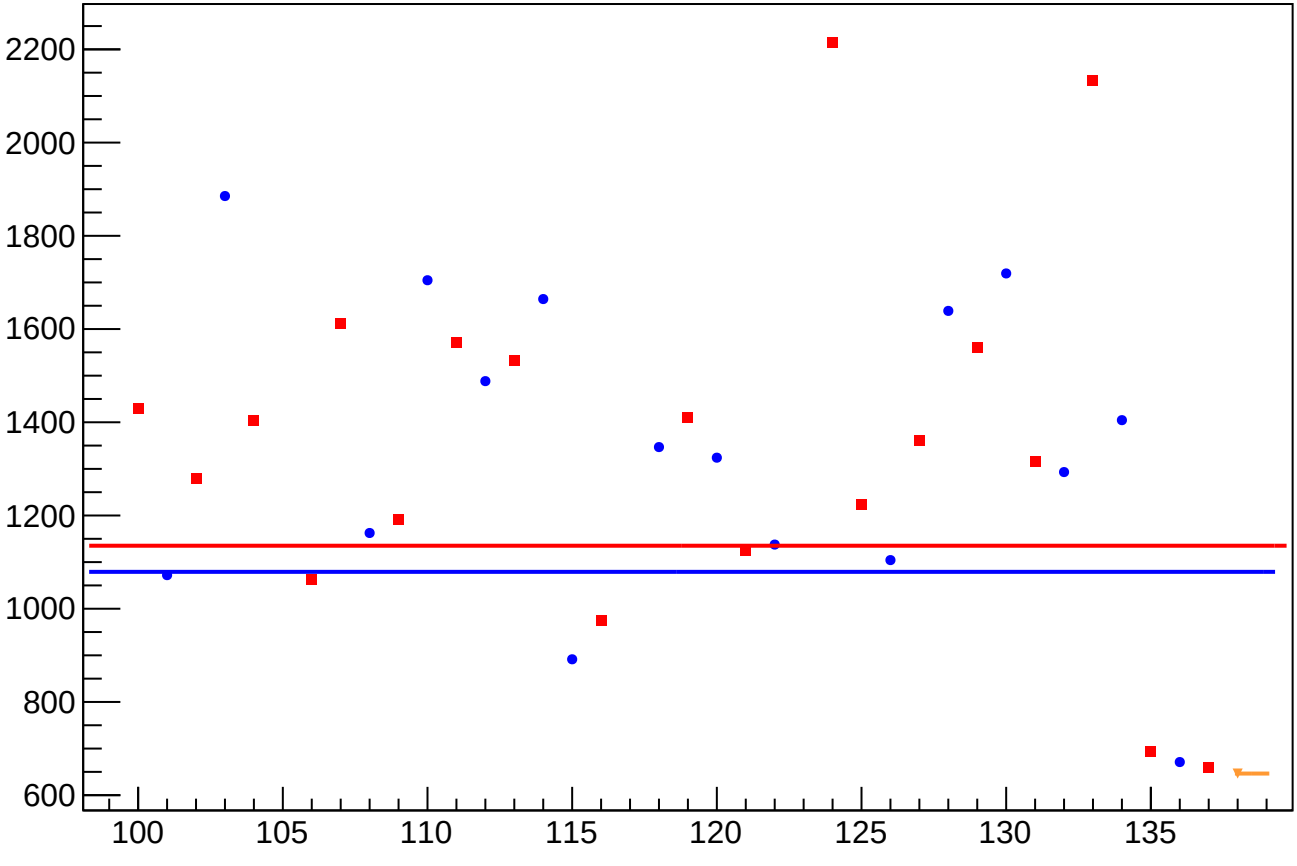
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 941.759+/-425.837 χ^2/NDF:19.9/15

Out: -546.272+/-377.927 χ^2/NDF:17.2/19

All: 109.360+/-282.662 χ^2/NDF: 43.9/35

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: 646.394+/-0.522 χ^2/NDF:0.0/0

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

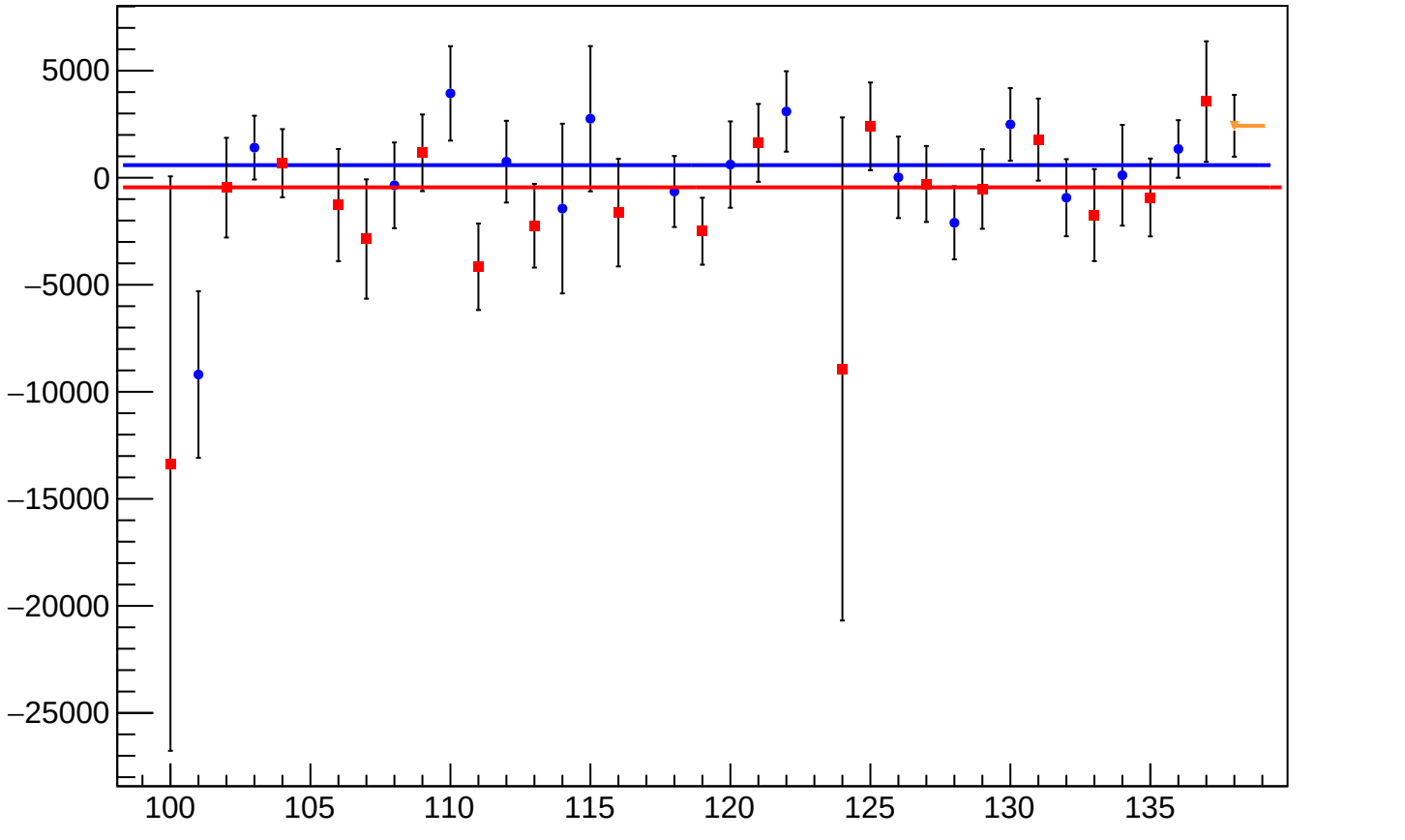
Left: 646.394+/-0.522 χ^2/NDF: 0.0/0

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 1079.120+/-0.301 χ^2/NDF:1482232.0/15

Out: 1007.138+/-0.267 χ^2/NDF:1939779.3/19

All: 1038.854+/-0.200 χ^2/NDF: 3453978.4/35



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: 2425.697+/-1443.726 χ^2/NDF:0.0/0

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

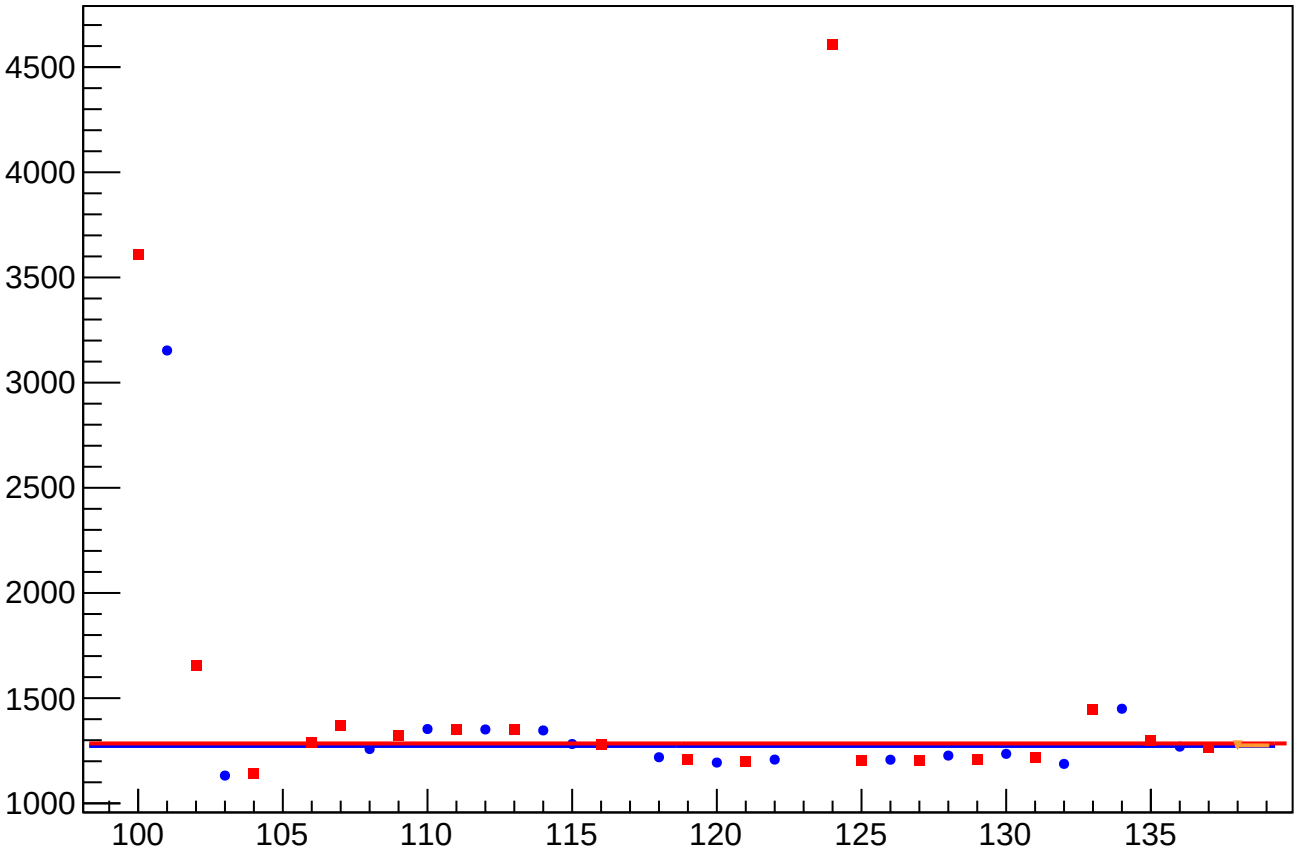
Left: 2425.697+/-1443.726 χ^2/NDF: 0.0/0

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 587.254+/-482.434 χ^2/NDF:17.1/15

Out: -160.903+/-456.624 χ^2/NDF:20.4/19

All: 192.628+/-331.631 χ^2/NDF: 38.7/35



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1275.395+/-1.021 χ^2/NDF:0.0/0

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

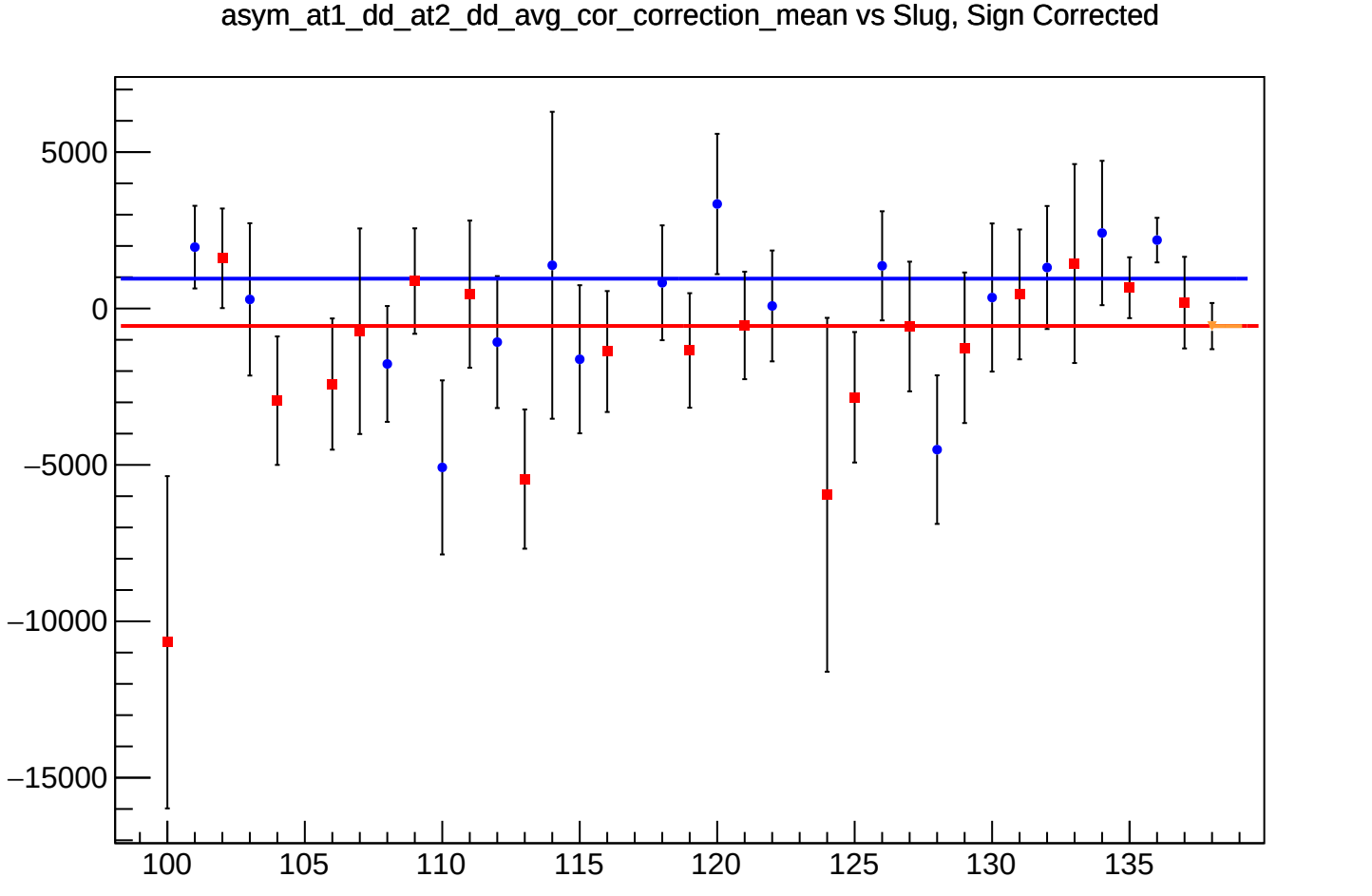
Left: 1275.395+/-1.021 χ^2/NDF: 0.0/0

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1272.804+/-0.341 χ^2/NDF:519299.6/15

Out: 1283.728+/-0.323 χ^2/NDF:328809.0/19

All: 1278.566+/-0.234 χ^2/NDF: 848649.5/35



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -562.133+/-738.438 χ^2/NDF:0.0/0

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

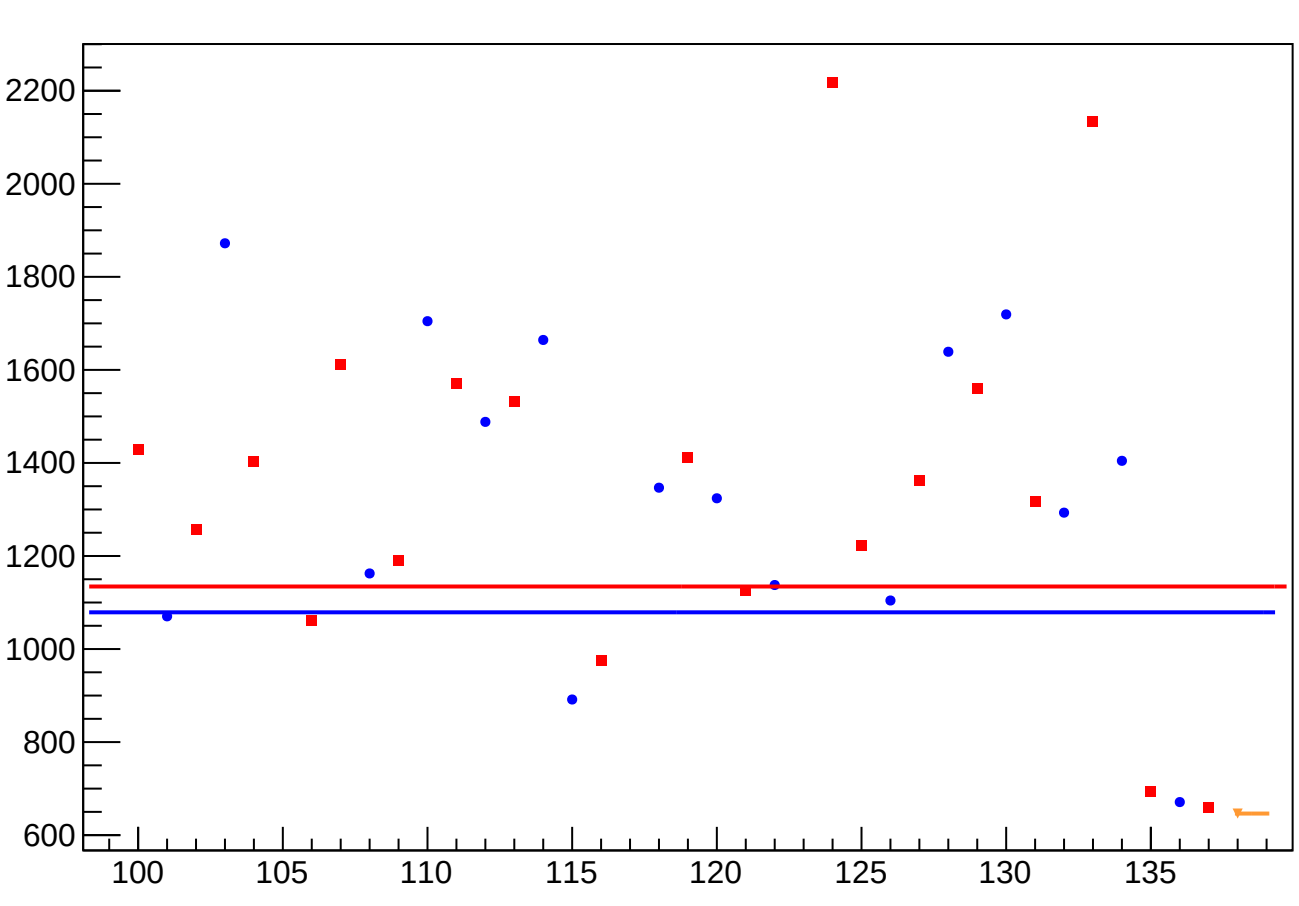
Left: -562.133+/-738.438 χ^2/NDF: 0.0/0

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 954.146+/-425.660 χ^2/NDF:19.9/15

Out: -559.038+/-378.467 χ^2/NDF:18.4/19

All: 109.052+/-282.836 χ^2/NDF: 45.3/35



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 646.391+/-0.522 χ^2/NDF:0.0/0

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

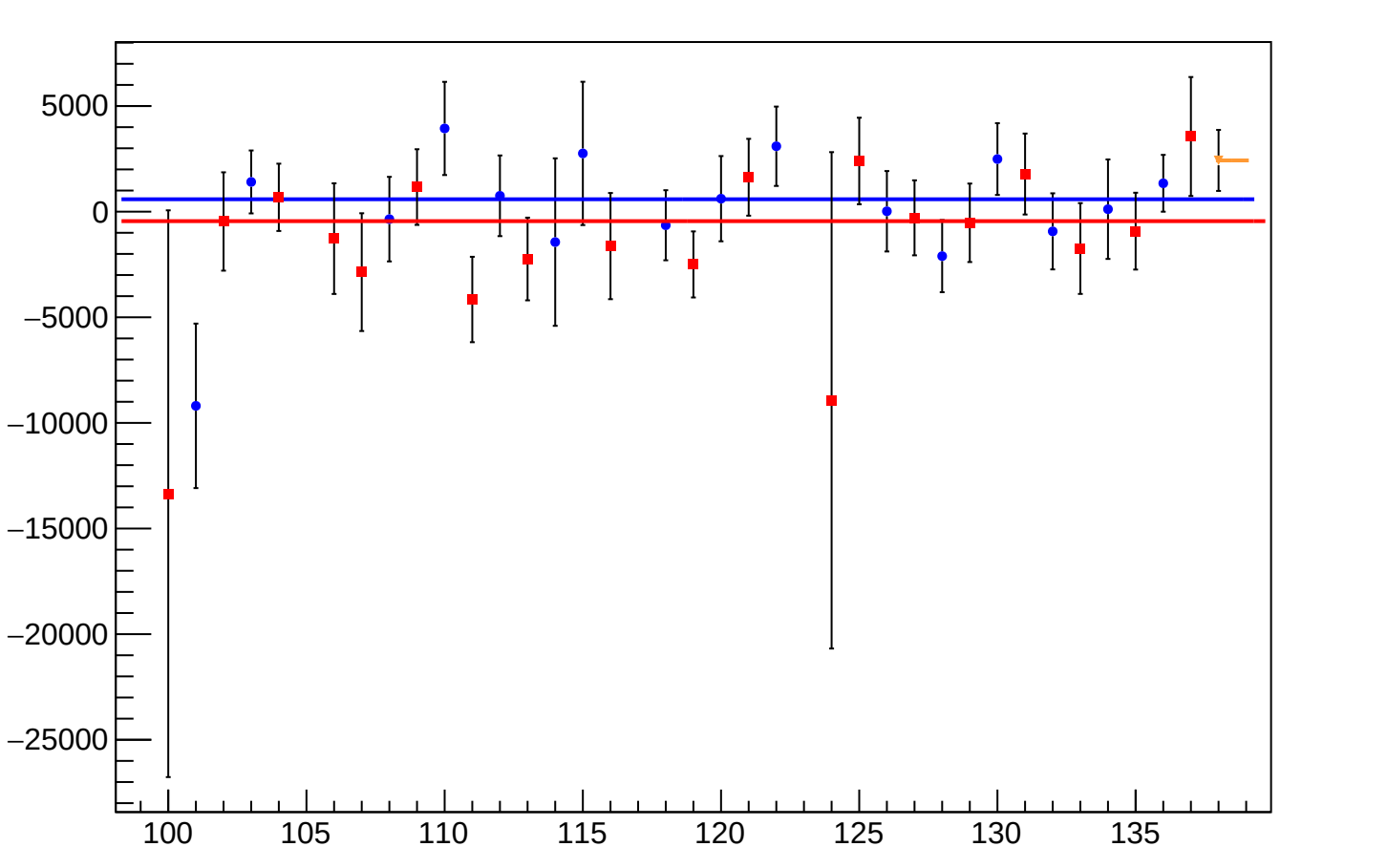
Left: 646.391+/-0.522 χ^2/NDF: 0.0/0

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 1078.932+/-0.301 χ^2/NDF:1478719.9/15

Out: 1006.230+/-0.268 χ^2/NDF:1933014.7/19

All: 1038.329+/-0.200 χ^2/NDF: 3444318.8/35



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: 2425.697+/-1443.726 χ^2/NDF:0.0/0

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

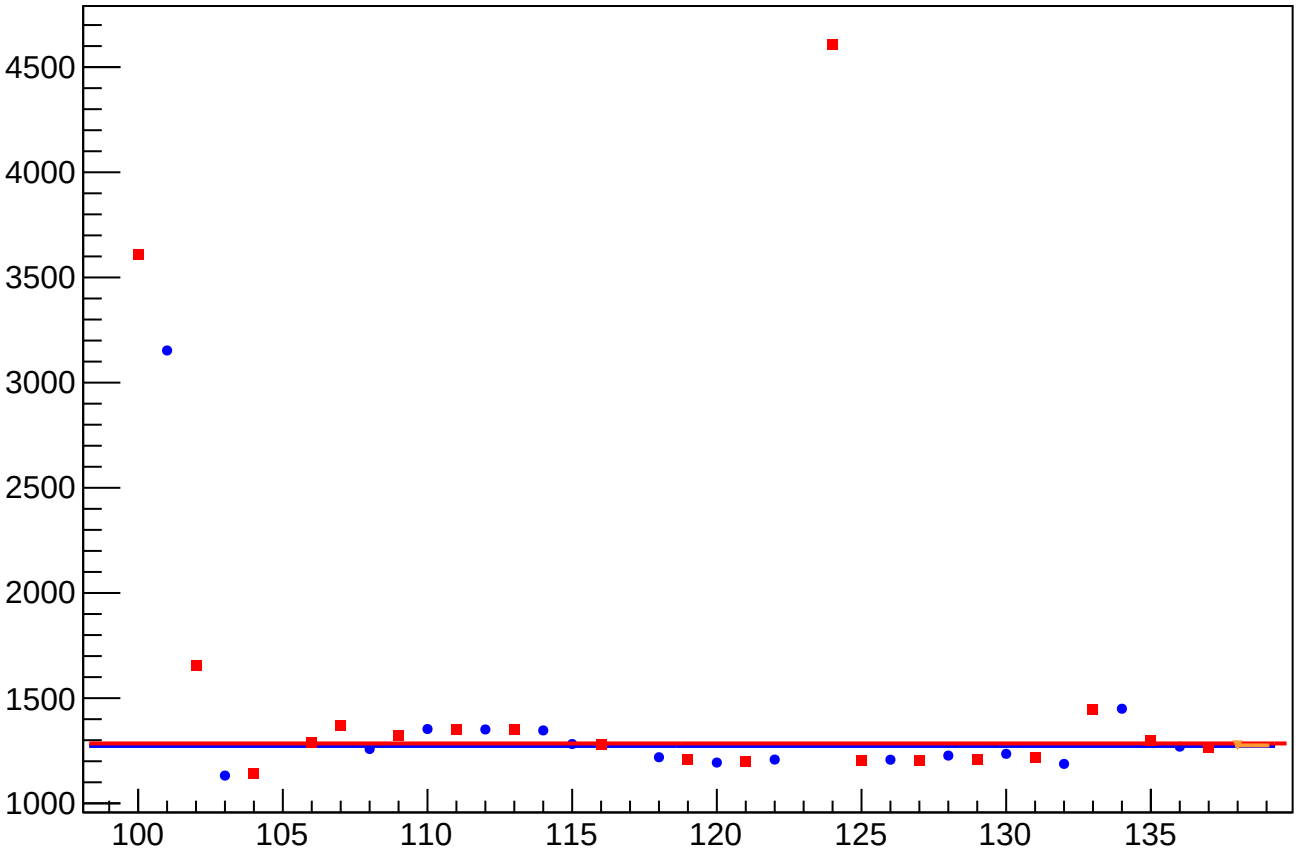
Left: 2425.697+/-1443.726 χ^2/NDF: 0.0/0

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 587.254+/-482.434 χ^2/NDF:17.1/15

Out: -160.903+/-456.624 χ^2/NDF:20.4/19

All: 192.628+/-331.631 χ^2/NDF: 38.7/35



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1275.395+/-1.021 χ^2/NDF:0.0/0

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

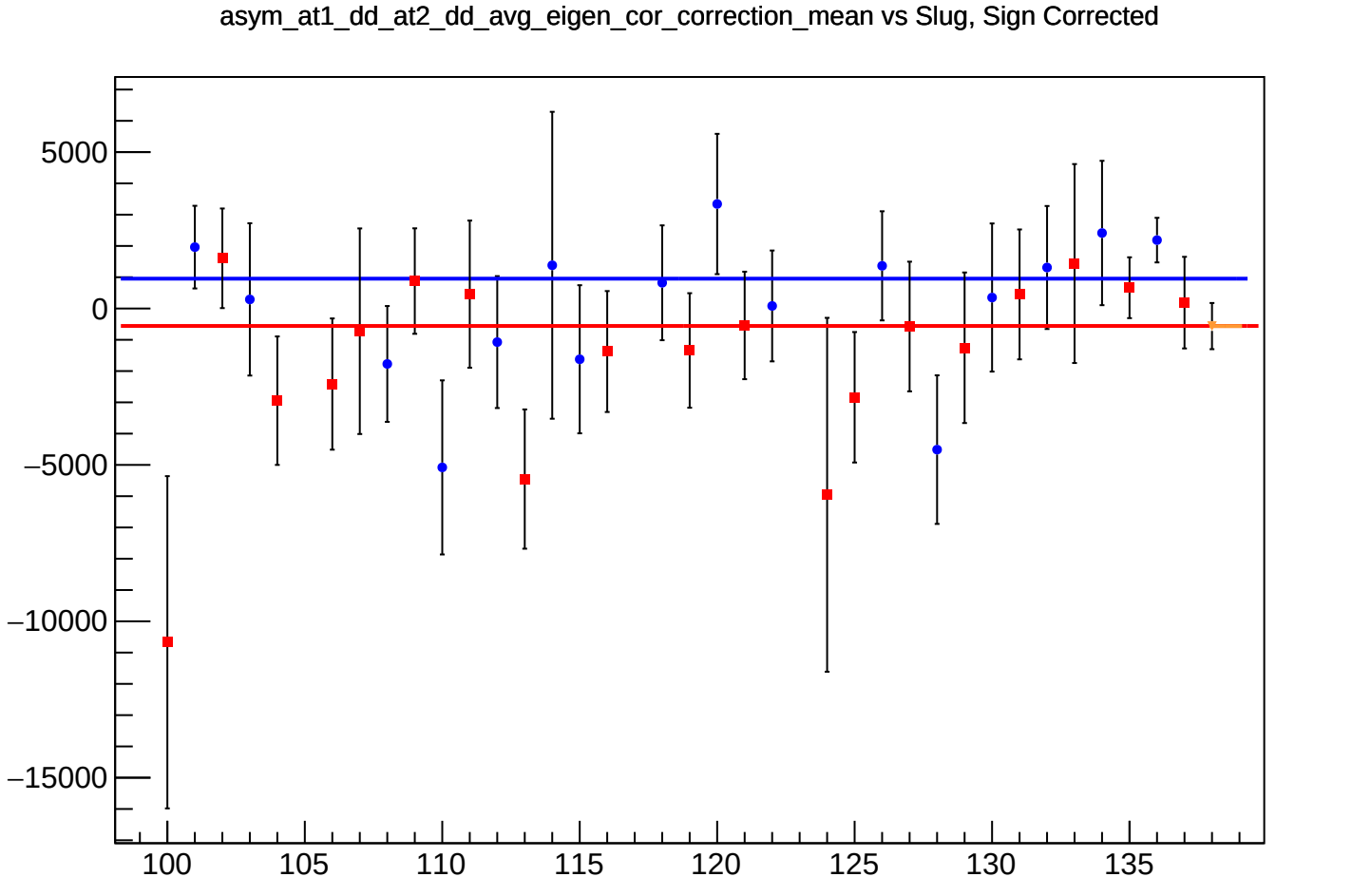
Left: 1275.395+/-1.021 χ^2/NDF: 0.0/0

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

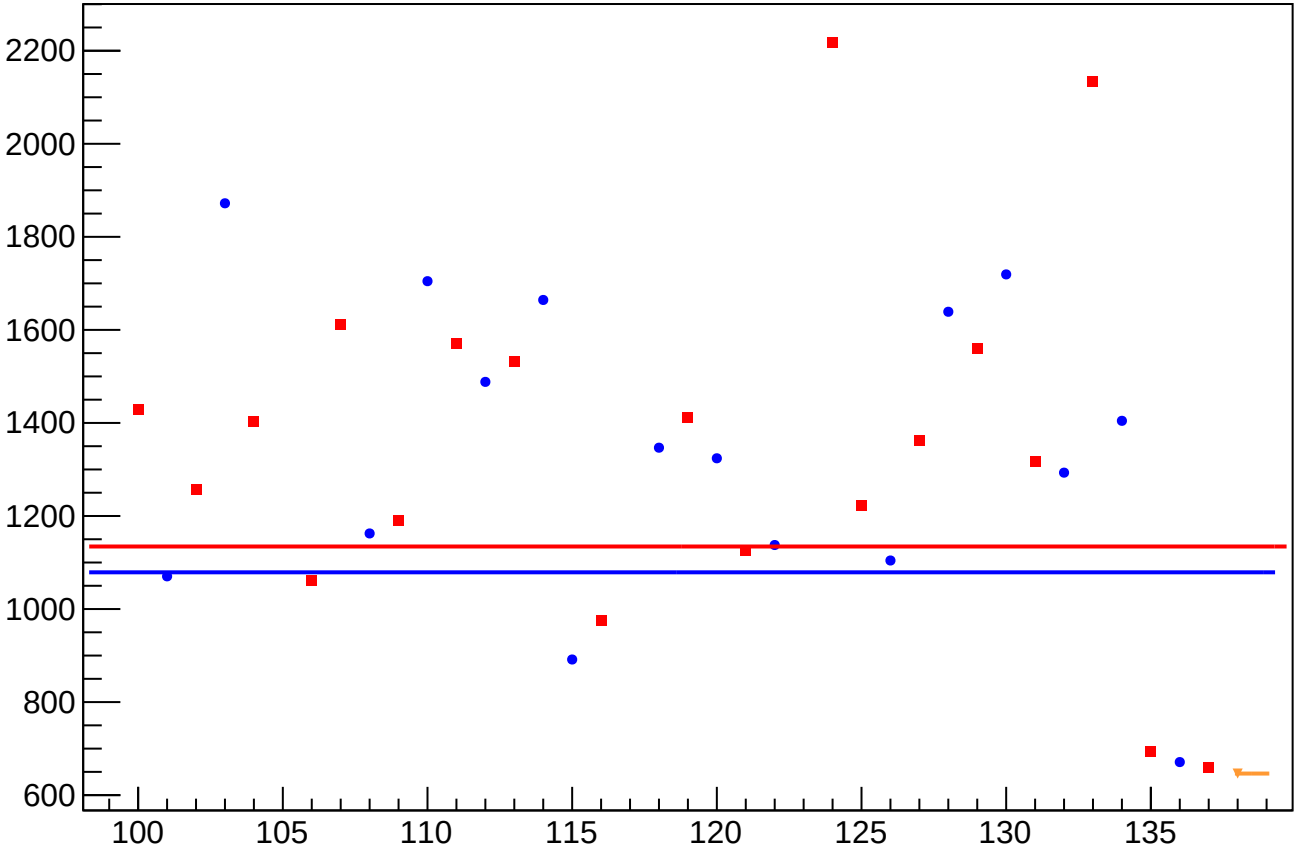
In: 1272.804+/-0.341 χ^2/NDF:519299.6/15

Out: 1283.728+/-0.323 χ^2/NDF:328809.0/19

All: 1278.566+/-0.234 χ^2/NDF: 848649.5/35


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
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: -562.133+/-738.438 χ²/NDF:0.0/0
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -562.133+/-738.438 χ²/NDF: 0.0/0
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 954.146+/-425.660 χ²/NDF:19.9/15
Out: -559.038+/-378.467 χ²/NDF:18.4/19
All: 109.052+/-282.836 χ²/NDF: 45.3/35

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: 646.391+/-0.522 χ^2/NDF:0.0/0

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

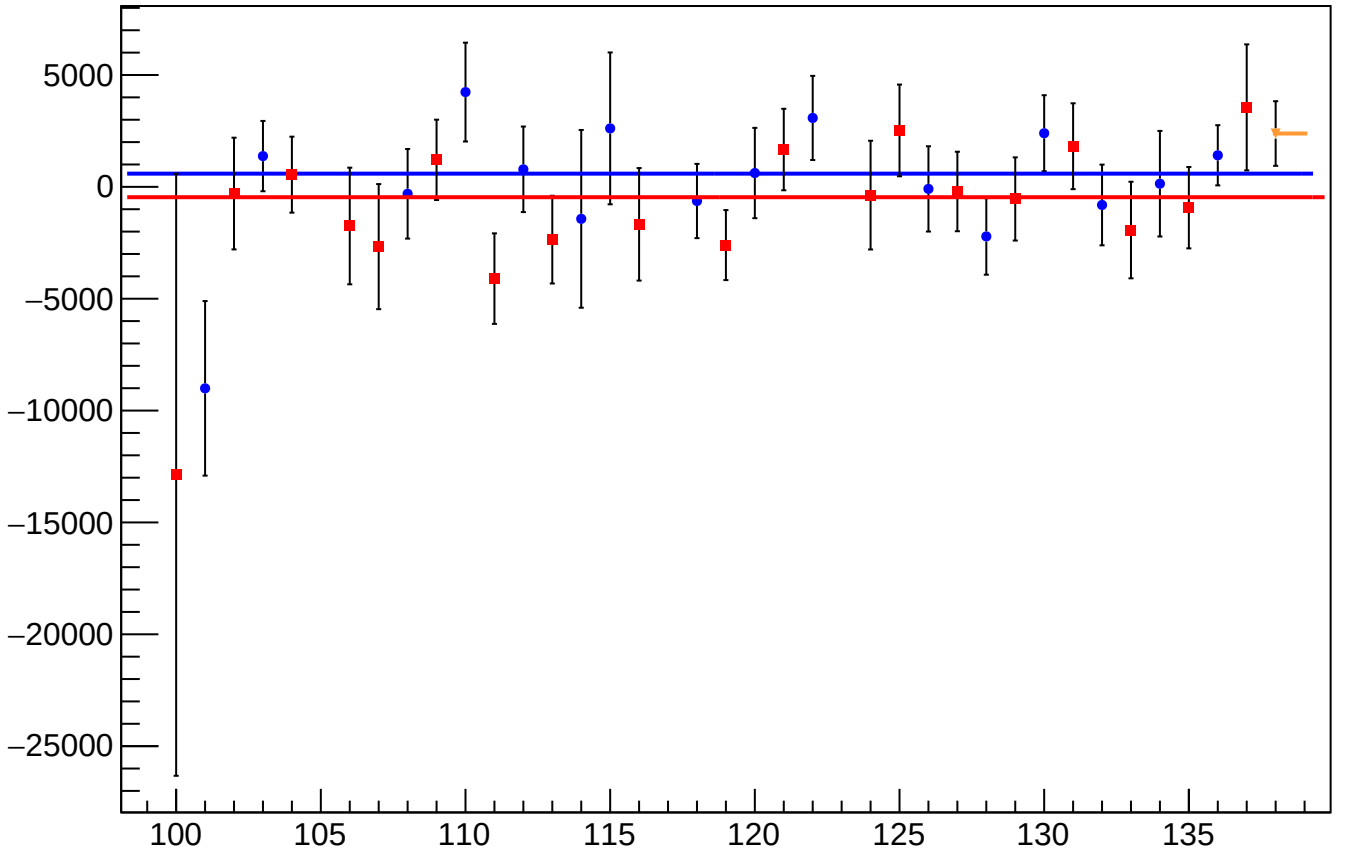
Left: 646.391+/-0.522 χ^2/NDF: 0.0/0

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 1078.932+/-0.301 χ^2/NDF:1478719.9/15

Out: 1006.230+/-0.268 χ^2/NDF:1933014.7/19

All: 1038.329+/-0.200 χ^2/NDF: 3444318.8/35



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: 2384.217+/-1444.310 χ^2/NDF:0.0/0

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

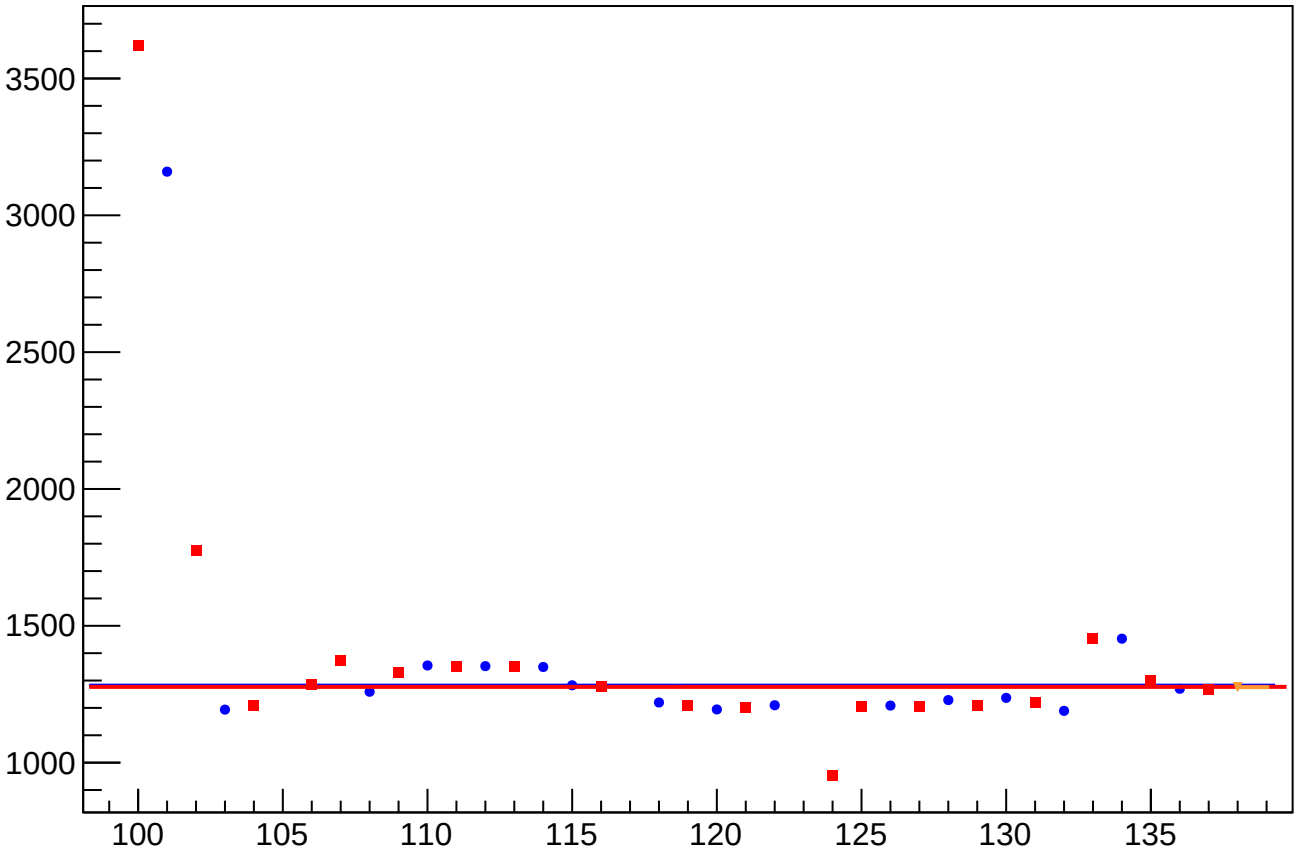
Left: 2384.217+/-1444.310 χ^2/NDF: 0.0/0

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 590.322+/-485.483 χ^2/NDF:17.1/15

Out: -182.850+/-452.762 χ^2/NDF:20.2/19

All: 176.805+/-331.115 χ^2/NDF: 38.7/35



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1275.911+/-1.021 χ^2/NDF:0.0/0

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

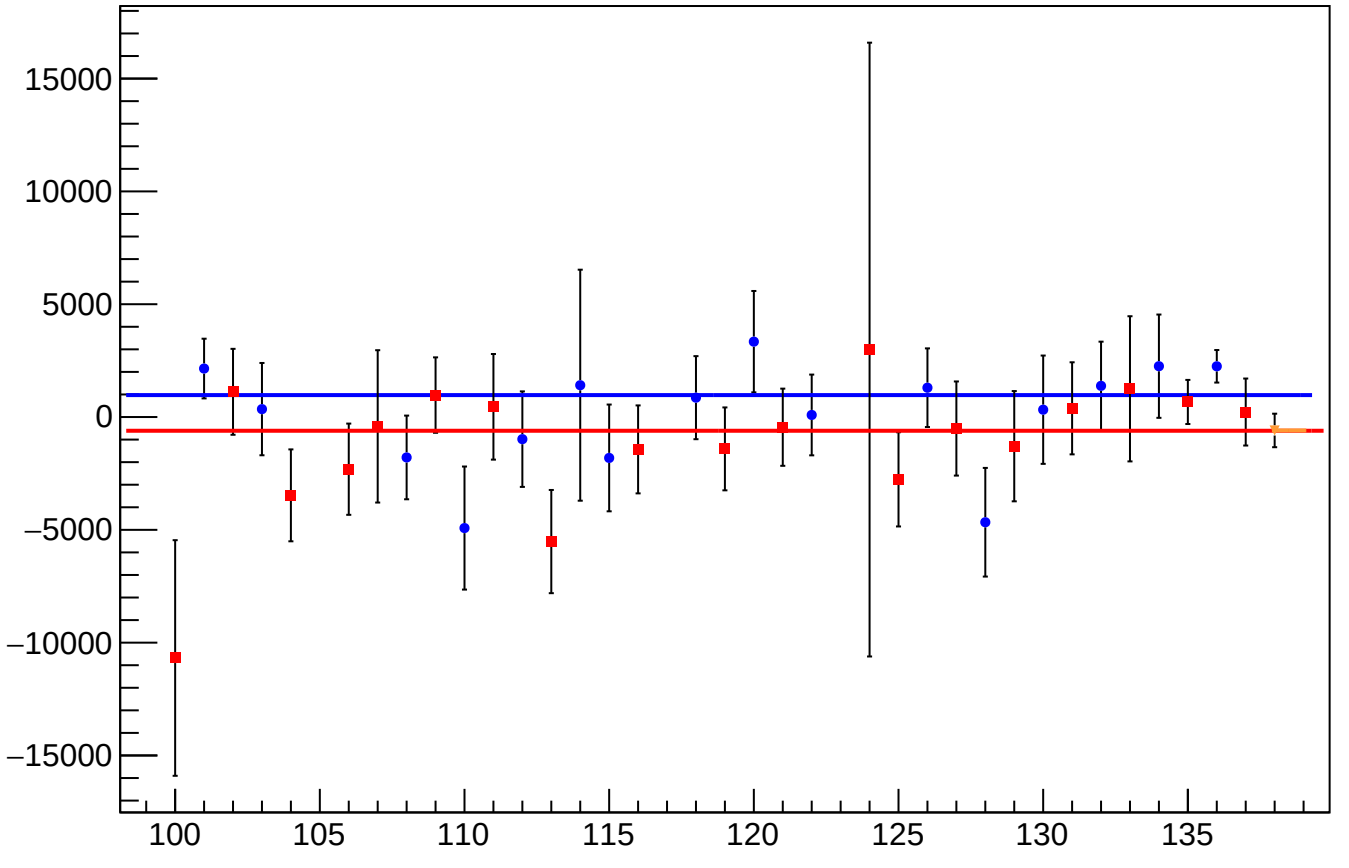
Left: 1275.911+/-1.021 χ^2/NDF: 0.0/0

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1281.369+/-0.343 χ^2/NDF:507078.4/15

Out: 1276.767+/-0.320 χ^2/NDF:220514.4/19

All: 1278.908+/-0.234 χ^2/NDF: 727688.9/35



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: -594.940+/-742.591 χ^2/NDF:0.0/0

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -594.940+/-742.591 χ^2/NDF: 0.0/0

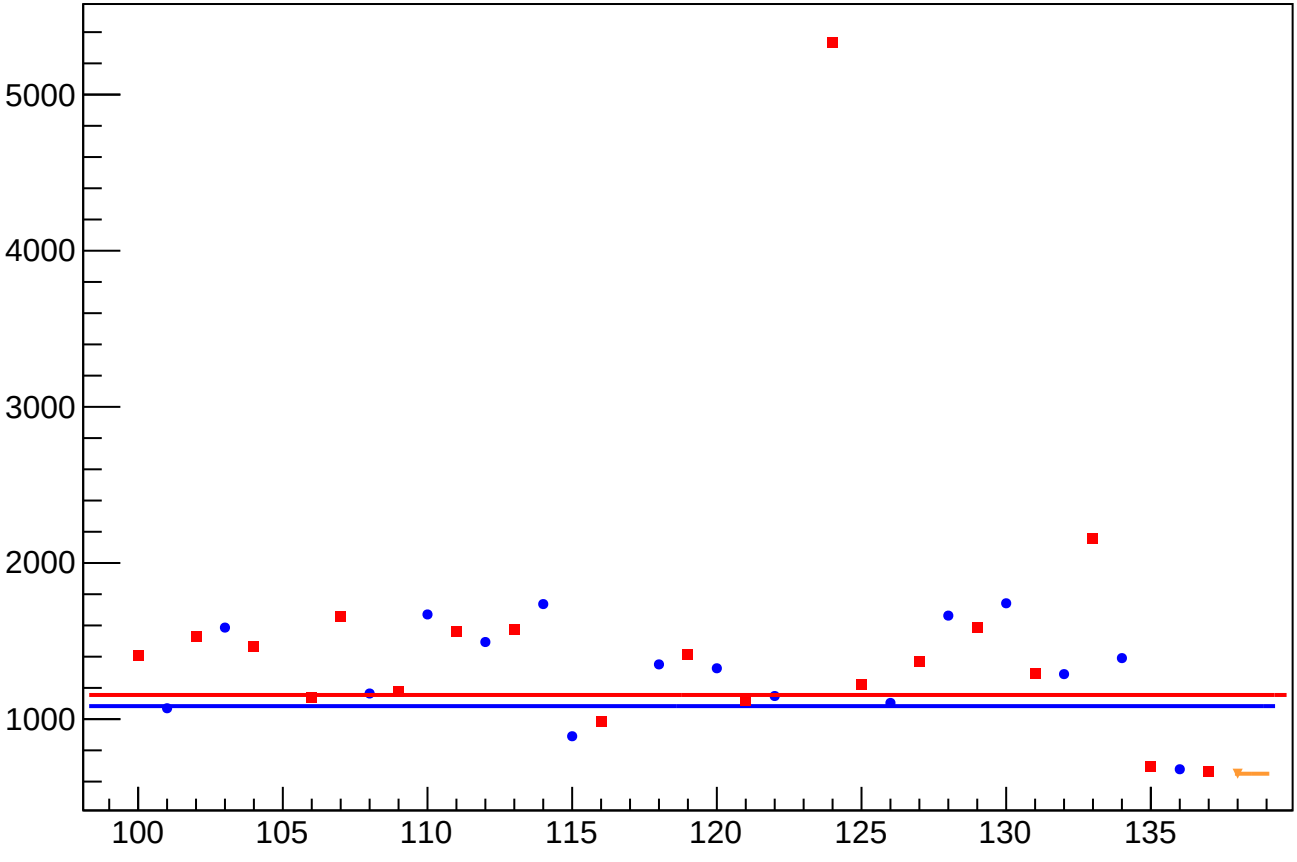
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 972.287+/-425.219 χ^2/NDF:20.4/15

Out: -604.834+/-383.431 χ^2/NDF:17.1/19

All: 102.445+/-284.758 χ^2/NDF: 45.2/35

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 650.391+/-0.525 χ^2/NDF:0.0/0

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

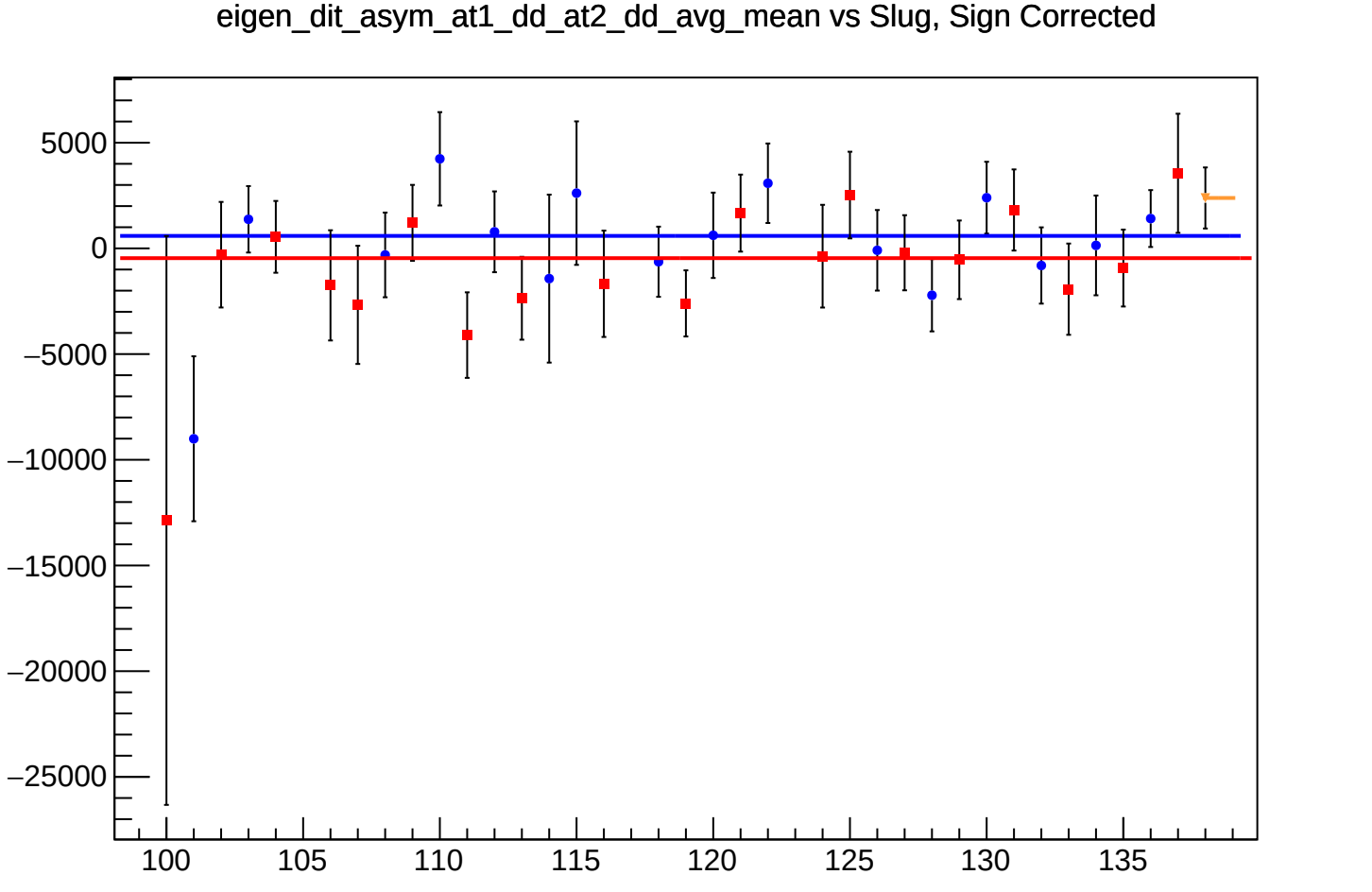
Left: 650.391+/-0.525 χ^2/NDF: 0.0/0

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 1083.335+/-0.301 χ^2/NDF:1360153.3/15

Out: 1020.264+/-0.271 χ^2/NDF:2164855.7/19

All: 1048.549+/-0.201 χ^2/NDF: 3549276.8/35



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: 2384.200+/-1444.310 χ^2/NDF:0.0/0

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

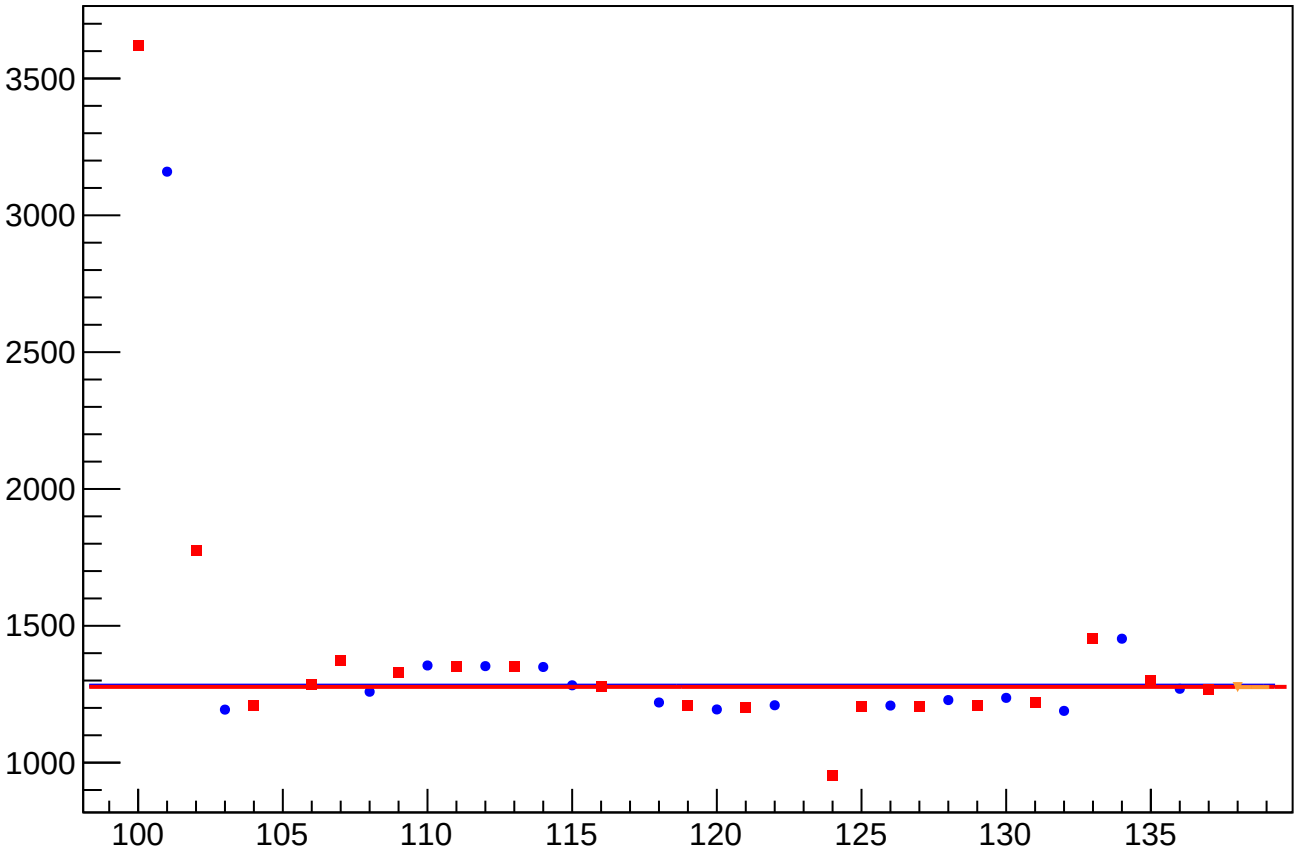
Left: 2384.200+/-1444.310 χ^2/NDF: 0.0/0

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 590.323+/-485.483 χ^2/NDF:17.1/15

Out: -182.850+/-452.762 χ^2/NDF:20.2/19

All: 176.805+/-331.115 χ^2/NDF: 38.7/35



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1275.911+/-1.021 χ^2/NDF:0.0/0

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1275.911+/-1.021 χ^2/NDF: 0.0/0

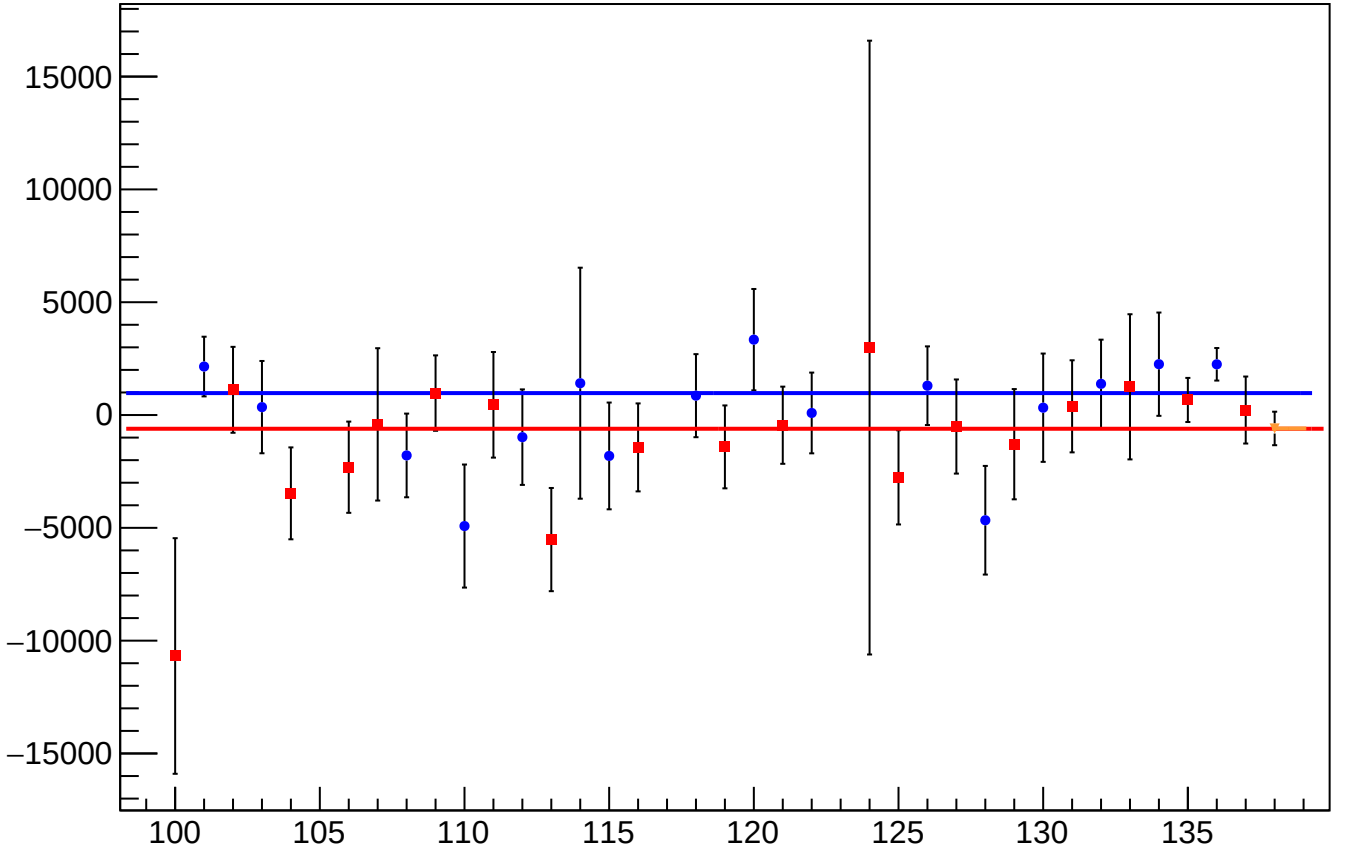
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1281.369+/-0.343 χ^2/NDF:507078.6/15

Out: 1276.767+/-0.320 χ^2/NDF:220514.3/19

All: 1278.907+/-0.234 χ^2/NDF: 727689.0/35

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: -594.955+/-742.606 χ^2/NDF:0.0/0

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

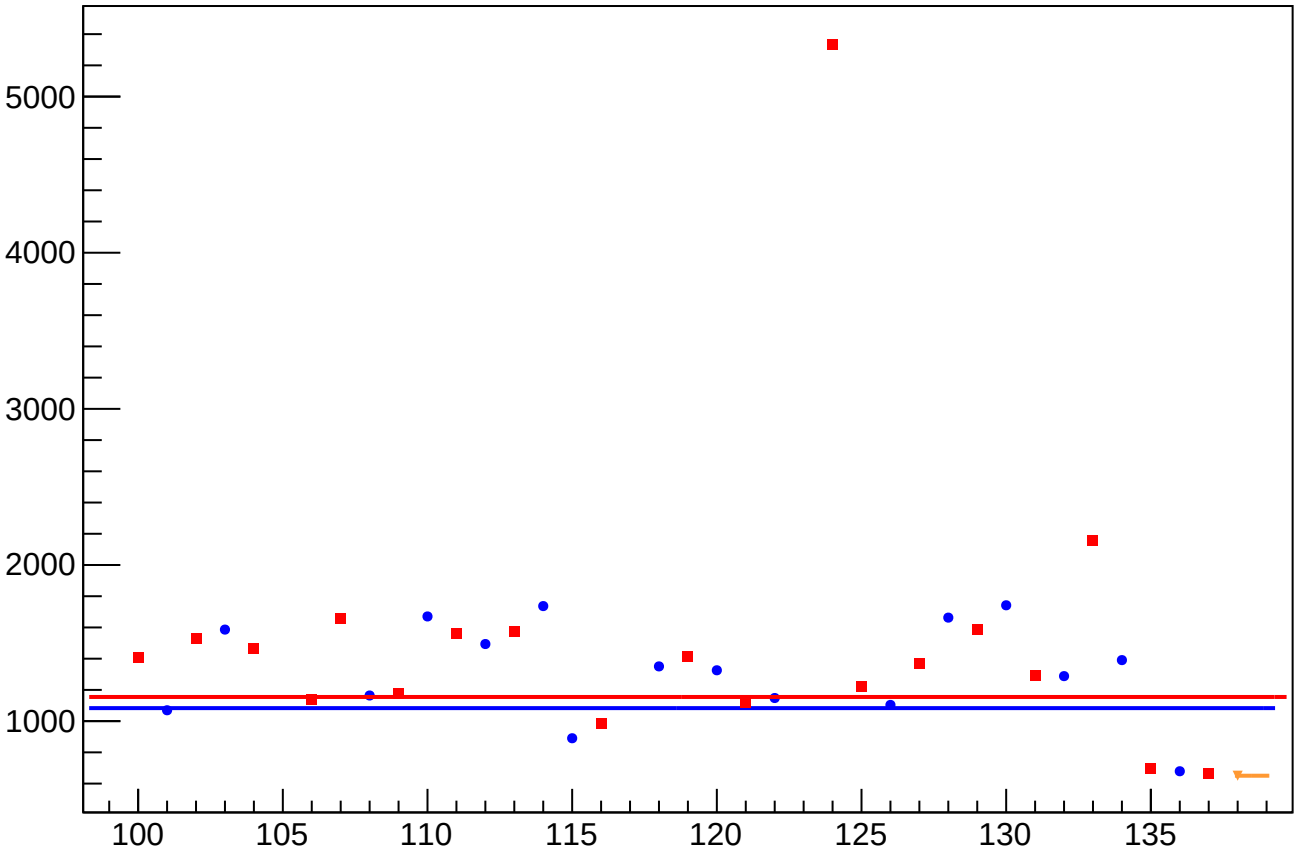
Left: -594.955+/-742.606 χ^2/NDF: 0.0/0

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 972.281+/-425.220 χ^2/NDF:20.4/15

Out: -604.845+/-383.435 χ^2/NDF:17.1/19

All: 102.440+/-284.759 χ^2/NDF: 45.2/35



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 650.404+/-0.525 χ^2/NDF:0.0/0

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

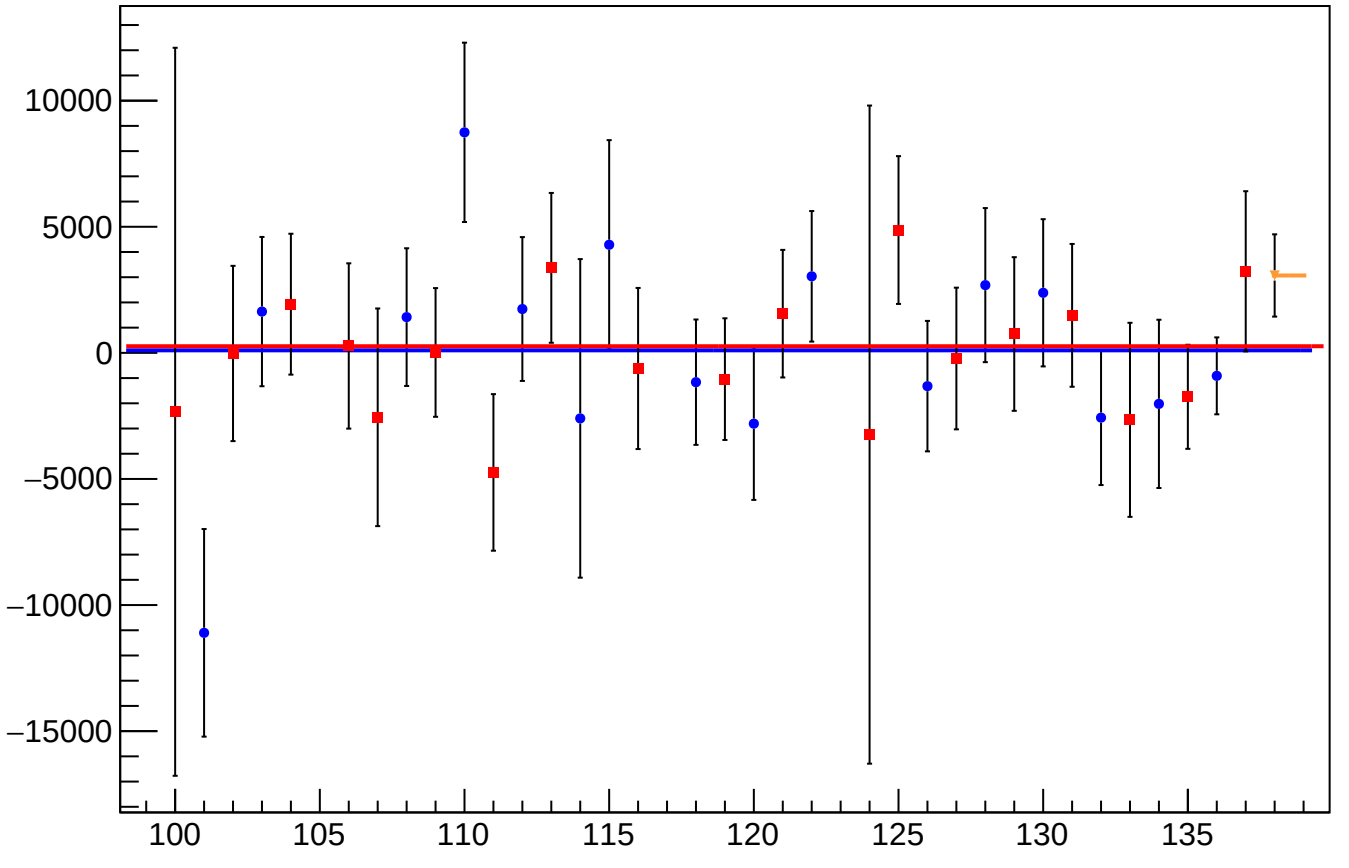
Left: 650.404+/-0.525 χ^2/NDF: 0.0/0

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 1083.341+/-0.301 χ^2/NDF:1360095.7/15

Out: 1020.276+/-0.271 χ^2/NDF:2164767.5/19

All: 1048.558+/-0.201 χ^2/NDF: 3549126.7/35



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: 3069.028+/-1631.453 χ^2/NDF:0.0/0

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

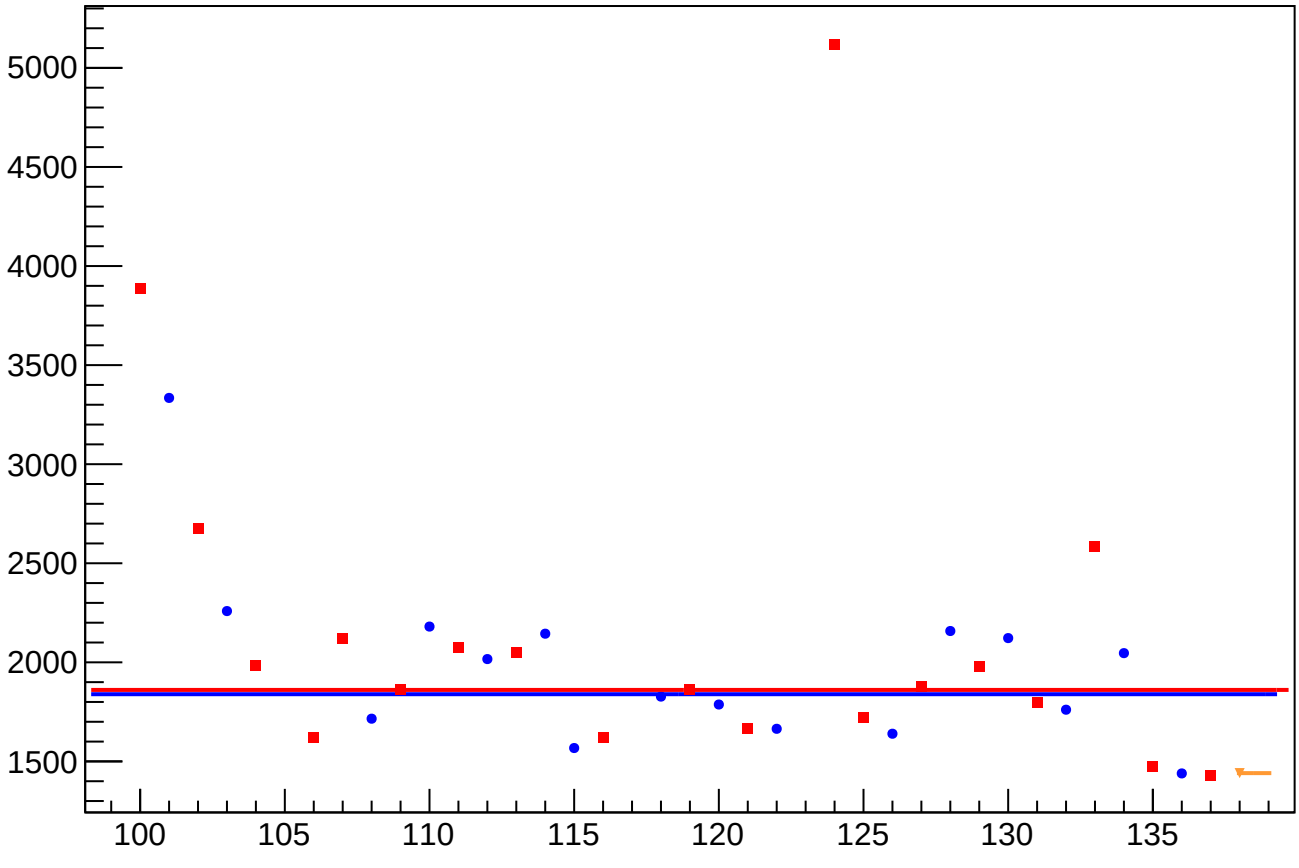
Left: 3069.028+/-1631.453 χ^2/NDF: 0.0/0

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 100.451+/-698.983 χ^2/NDF:21.3/15

Out: 698.749+/-643.072 χ^2/NDF:12.8/19

All: 424.482+/-473.254 χ^2/NDF: 34.5/35



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1440.854+/-1.154 χ^2/NDF:0.0/0

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

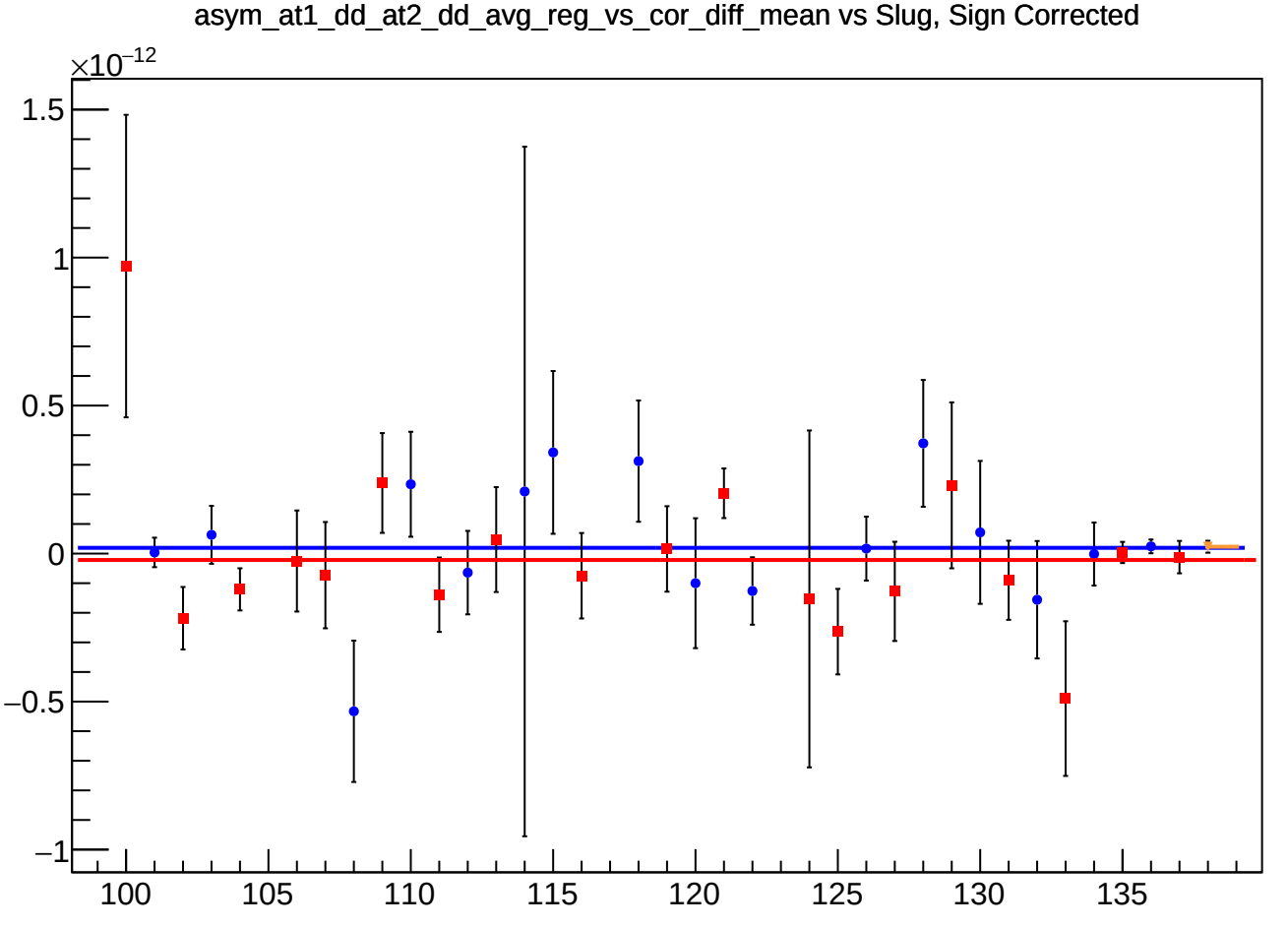
Left: 1440.854+/-1.154 χ^2/NDF: 0.0/0

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1839.113+/-0.494 χ^2/NDF:556725.4/15

Out: 1795.515+/-0.455 χ^2/NDF:634016.9/19

All: 1815.501+/-0.335 χ^2/NDF: 1194956.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

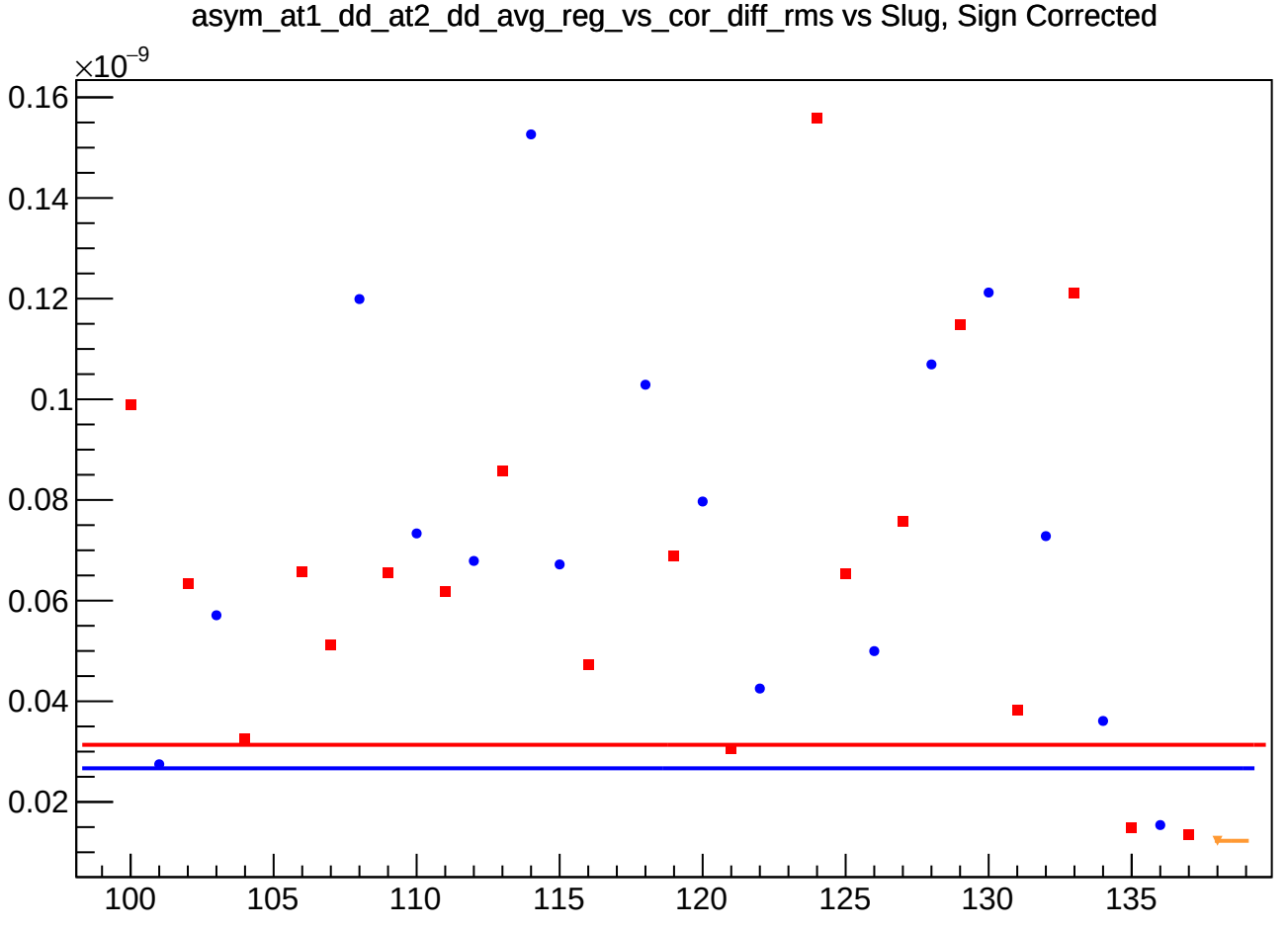
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:16.5/15

Out: 0.000+/-0.000 χ^2/NDF:30.4/19

All: 0.000+/-0.000 χ^2/NDF: 47.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

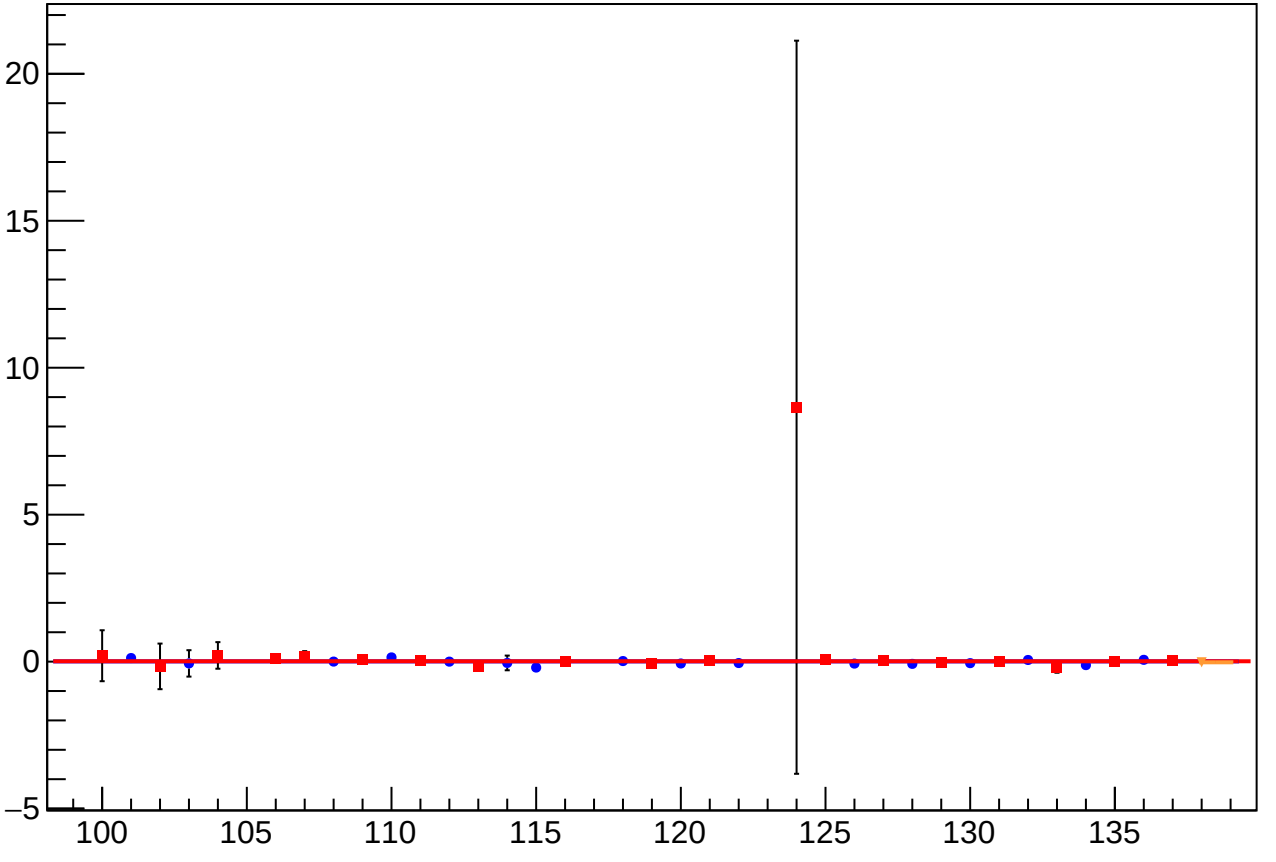
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:2580672.1/15

Out: 0.000+/-0.000 χ^2/NDF:3079693.0/19

All: 0.000+/-0.000 χ^2/NDF: 5777772.9/35

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: -0.023+/-0.029 χ^2/NDF:0.0/0

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.023+/-0.029 χ^2/NDF: 0.0/0

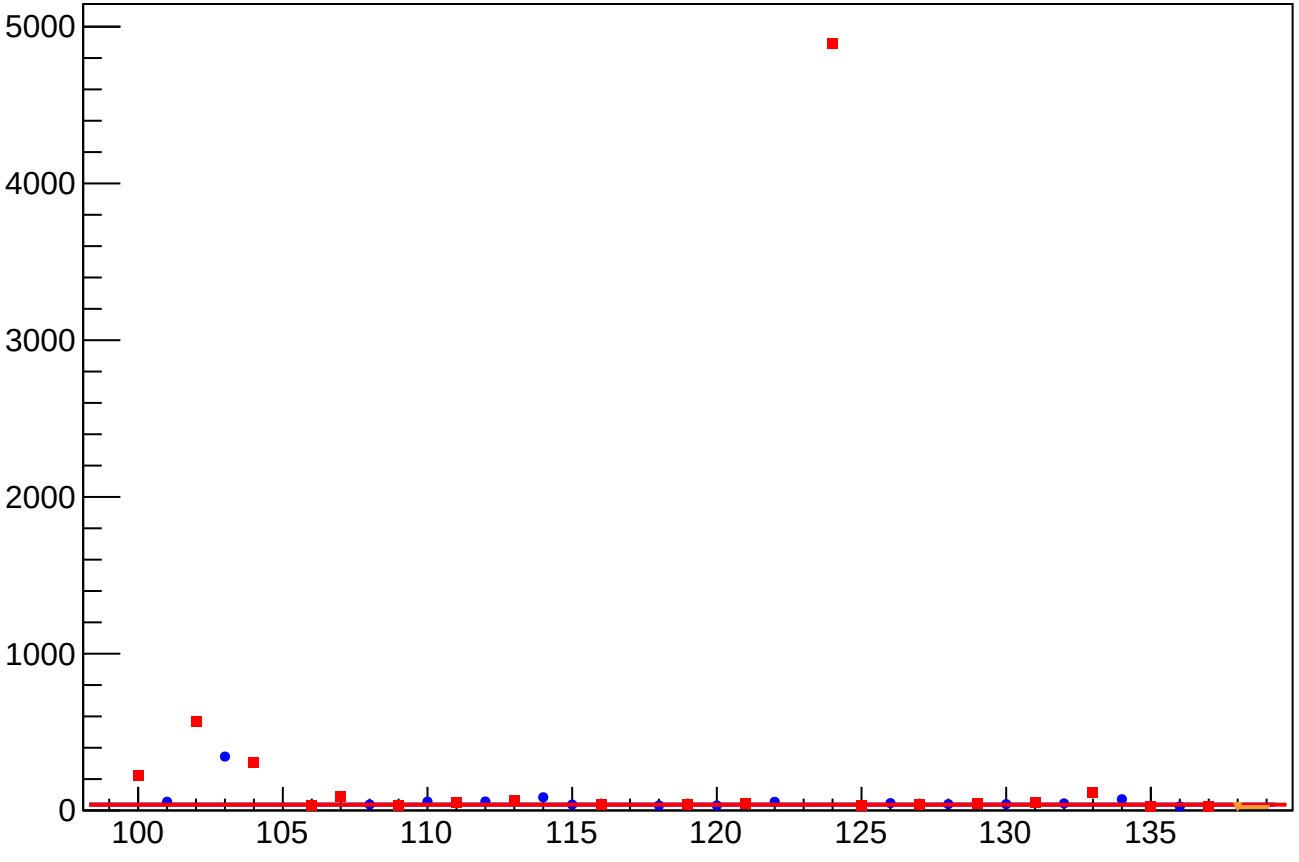
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.008+/-0.016 χ^2/NDF:19.3/15

Out: 0.004+/-0.014 χ^2/NDF:13.7/19

All: 0.006+/-0.011 χ^2/NDF: 33.0/35

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: 21.952+/-0.020 χ^2/NDF:0.0/0

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 21.952+/-0.020 χ^2/NDF: 0.0/0

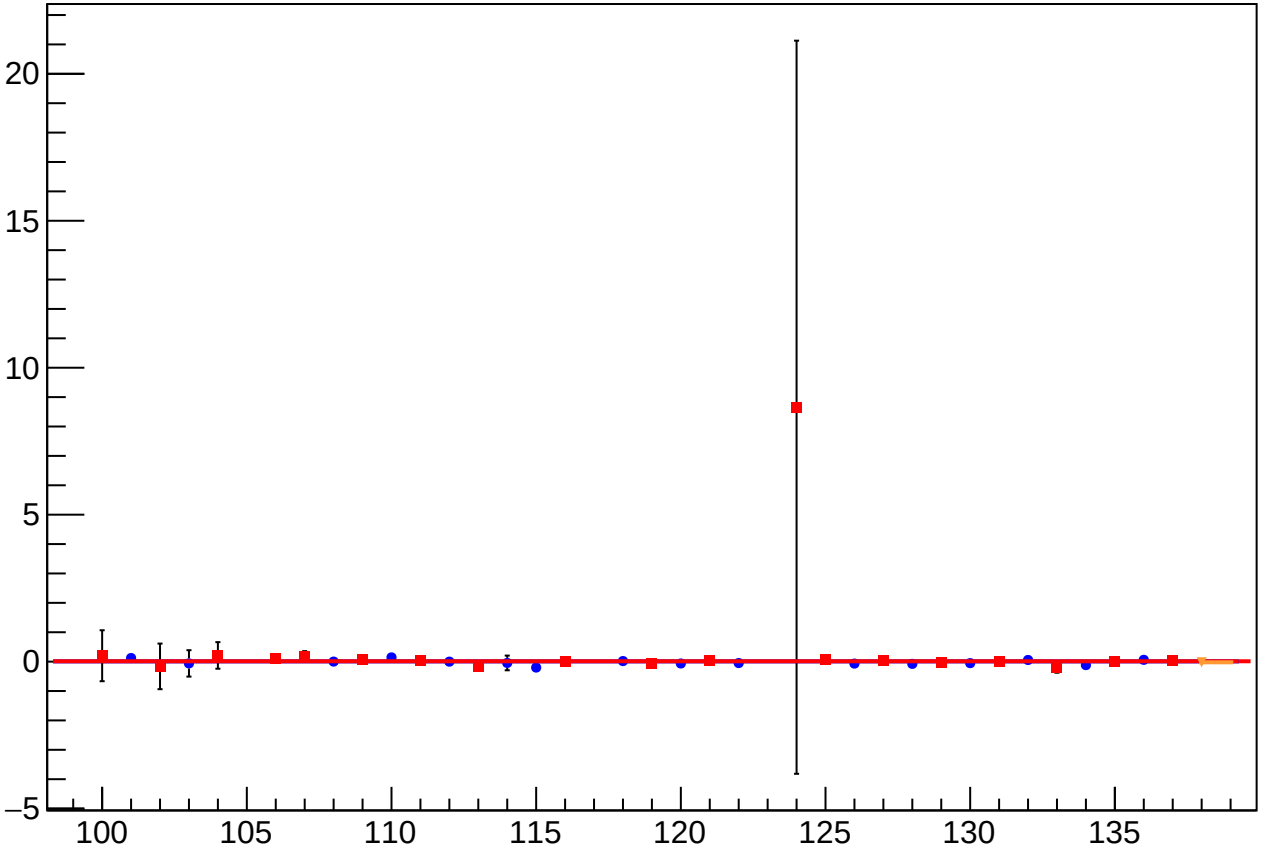
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.494+/-0.011 χ^2/NDF:1983275.6/15

Out: 33.042+/-0.010 χ^2/NDF:3590339.6/19

All: 35.021+/-0.008 χ^2/NDF: 5658818.2/35

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: -0.023+/-0.029 χ^2/NDF:0.0/0

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.023+/-0.029 χ^2/NDF: 0.0/0

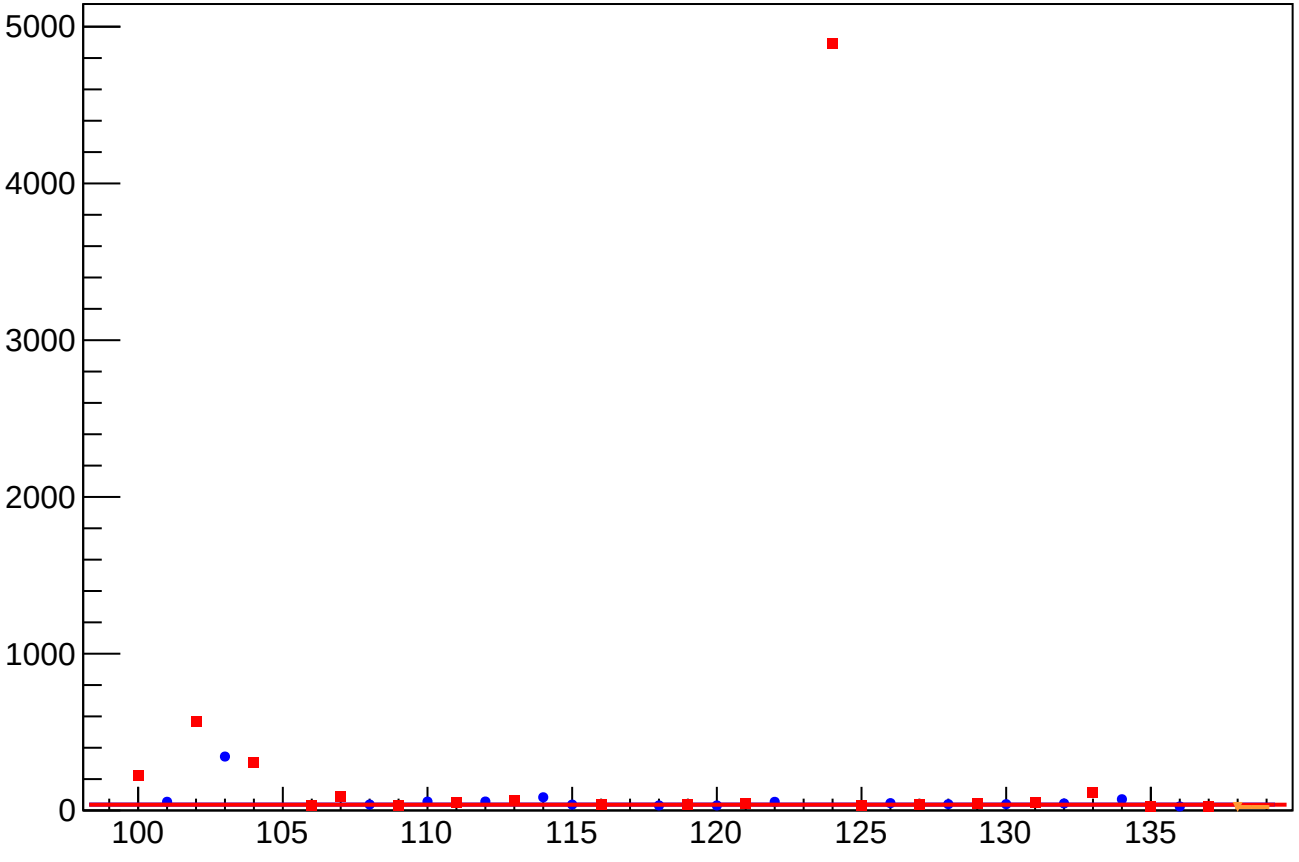
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.008+/-0.016 χ^2/NDF:19.3/15

Out: 0.004+/-0.014 χ^2/NDF:13.7/19

All: 0.006+/-0.011 χ^2/NDF: 33.0/35

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: 21.952+/-0.020 χ^2/NDF:0.0/0

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

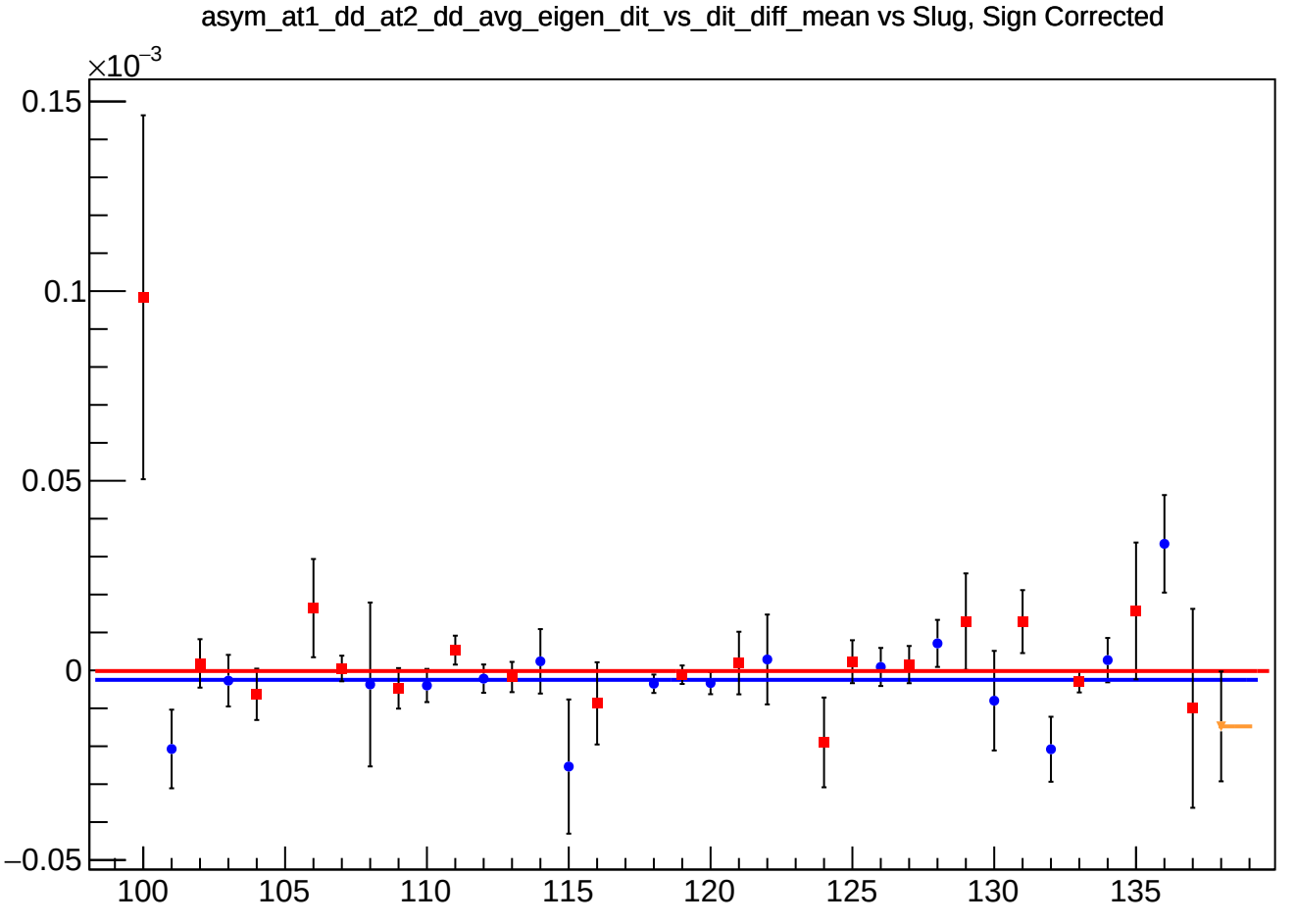
Left: 21.952+/-0.020 χ^2/NDF: 0.0/0

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.494+/-0.011 χ^2/NDF:1983275.6/15

Out: 33.042+/-0.010 χ^2/NDF:3590339.6/19

All: 35.021+/-0.008 χ^2/NDF: 5658818.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

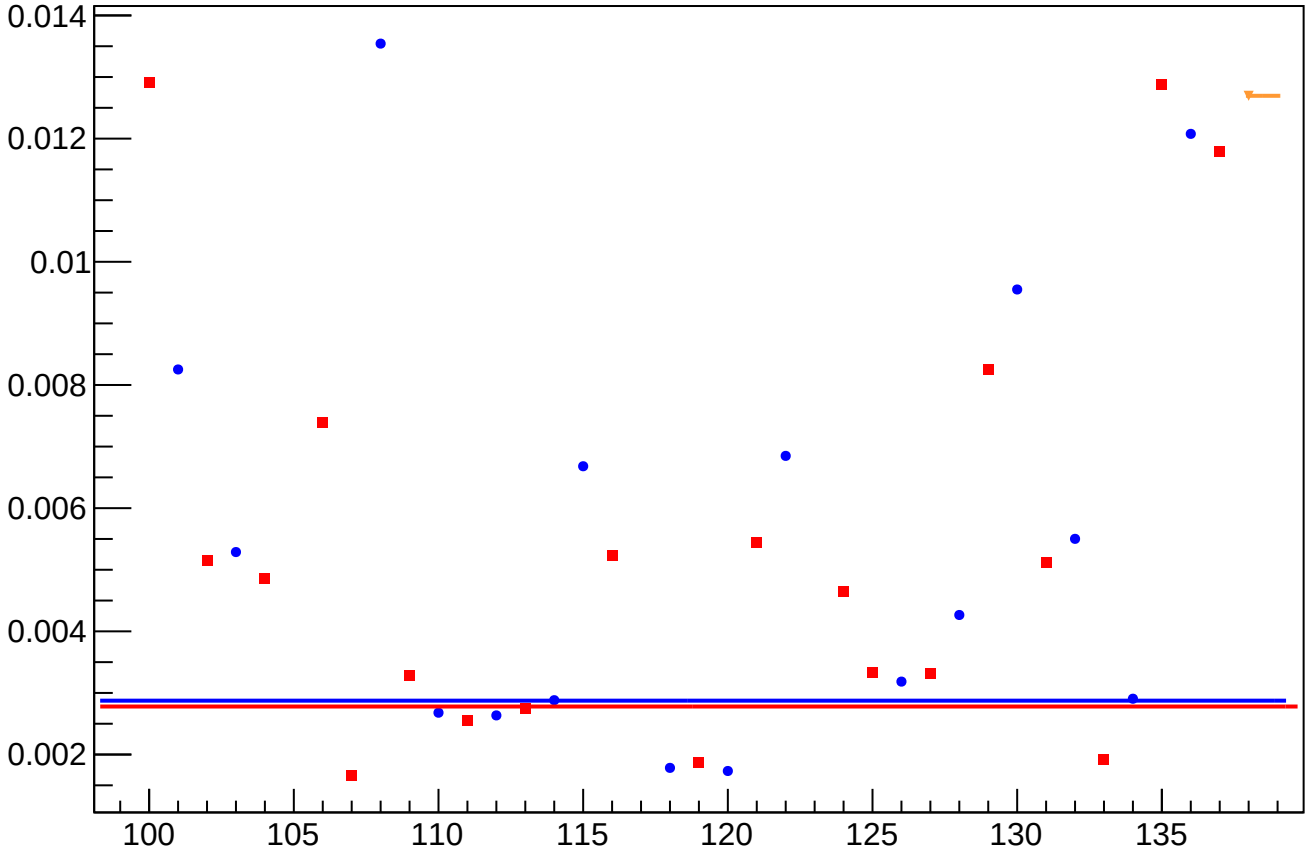
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:21.9/15

Out: -0.000+/-0.000 χ^2/NDF:19.9/19

All: -0.000+/-0.000 χ^2/NDF: 43.3/35

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: 0.013+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.000 χ^2/NDF: 0.0/0

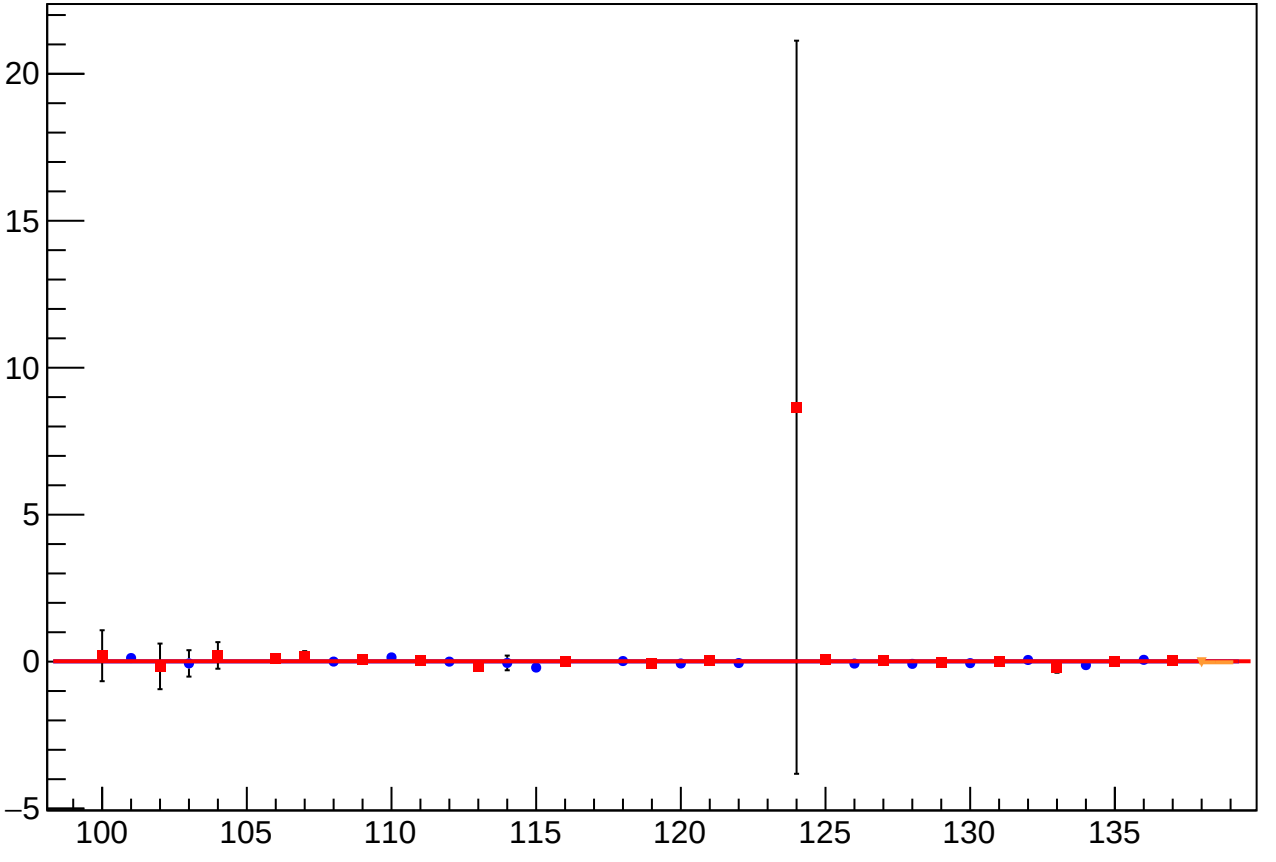
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:4152056.9/15

Out: 0.003+/-0.000 χ^2/NDF:4241292.8/19

All: 0.003+/-0.000 χ^2/NDF: 8393955.8/35

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: -0.023+/-0.029 χ^2/NDF:0.0/0

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.023+/-0.029 χ^2/NDF: 0.0/0

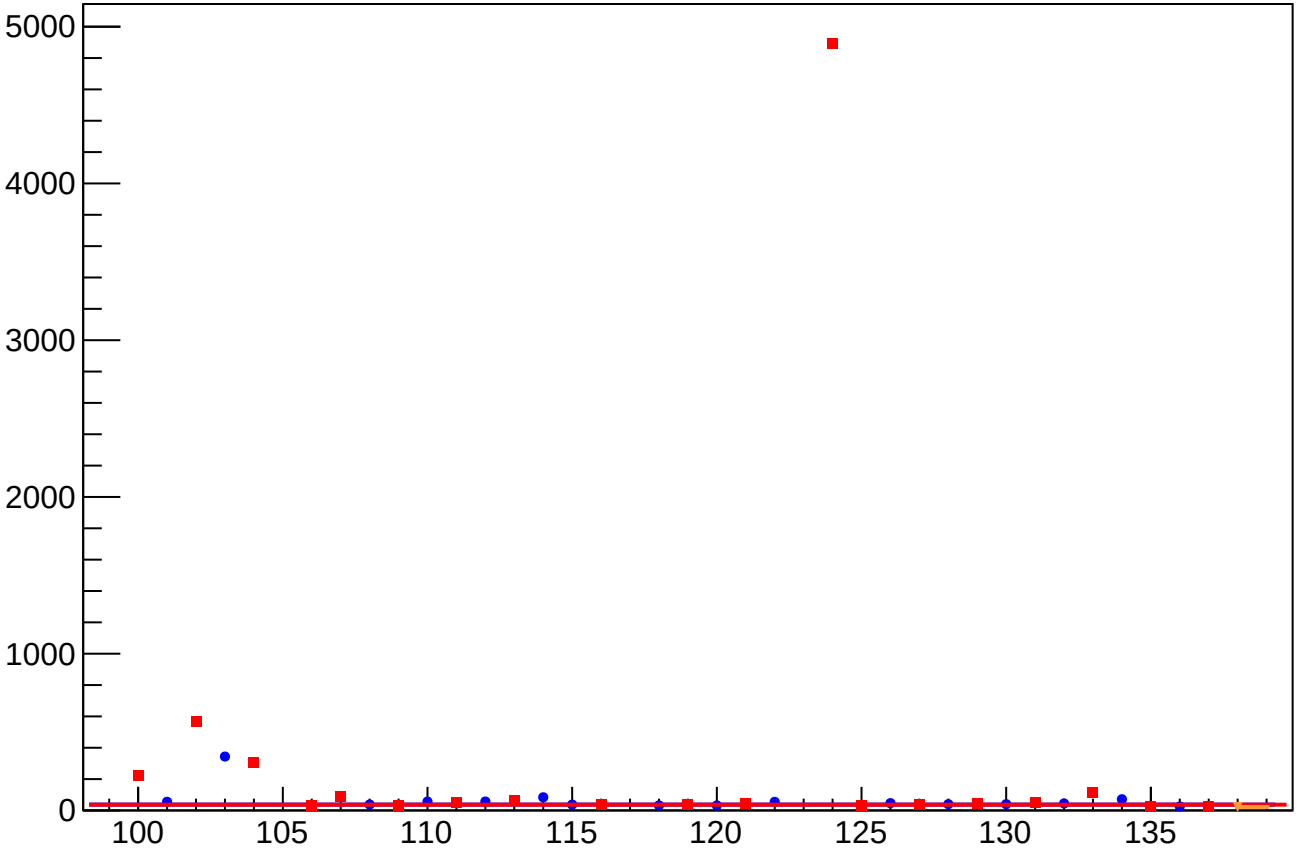
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.008+/-0.016 χ^2/NDF:19.3/15

Out: 0.004+/-0.014 χ^2/NDF:13.7/19

All: 0.006+/-0.011 χ^2/NDF: 33.0/35

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: 21.947+/-0.020 χ^2/NDF:0.0/0

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 21.947+/-0.020 χ^2/NDF: 0.0/0

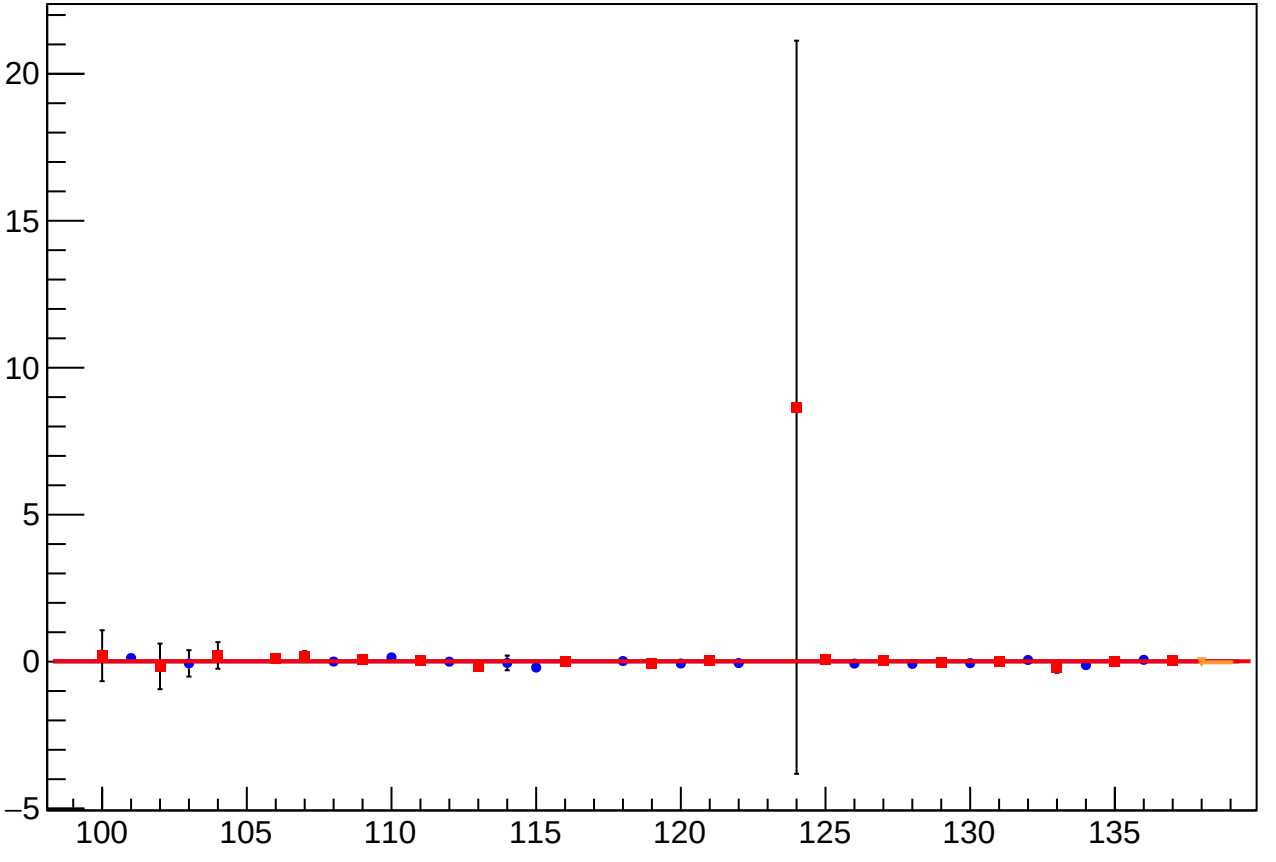
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.495+/-0.011 χ^2/NDF:1983206.3/15

Out: 33.042+/-0.010 χ^2/NDF:3590438.5/19

All: 35.020+/-0.008 χ^2/NDF: 5658892.3/35

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: -0.023+/-0.029 χ^2/NDF:0.0/0

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.023+/-0.029 χ^2/NDF: 0.0/0

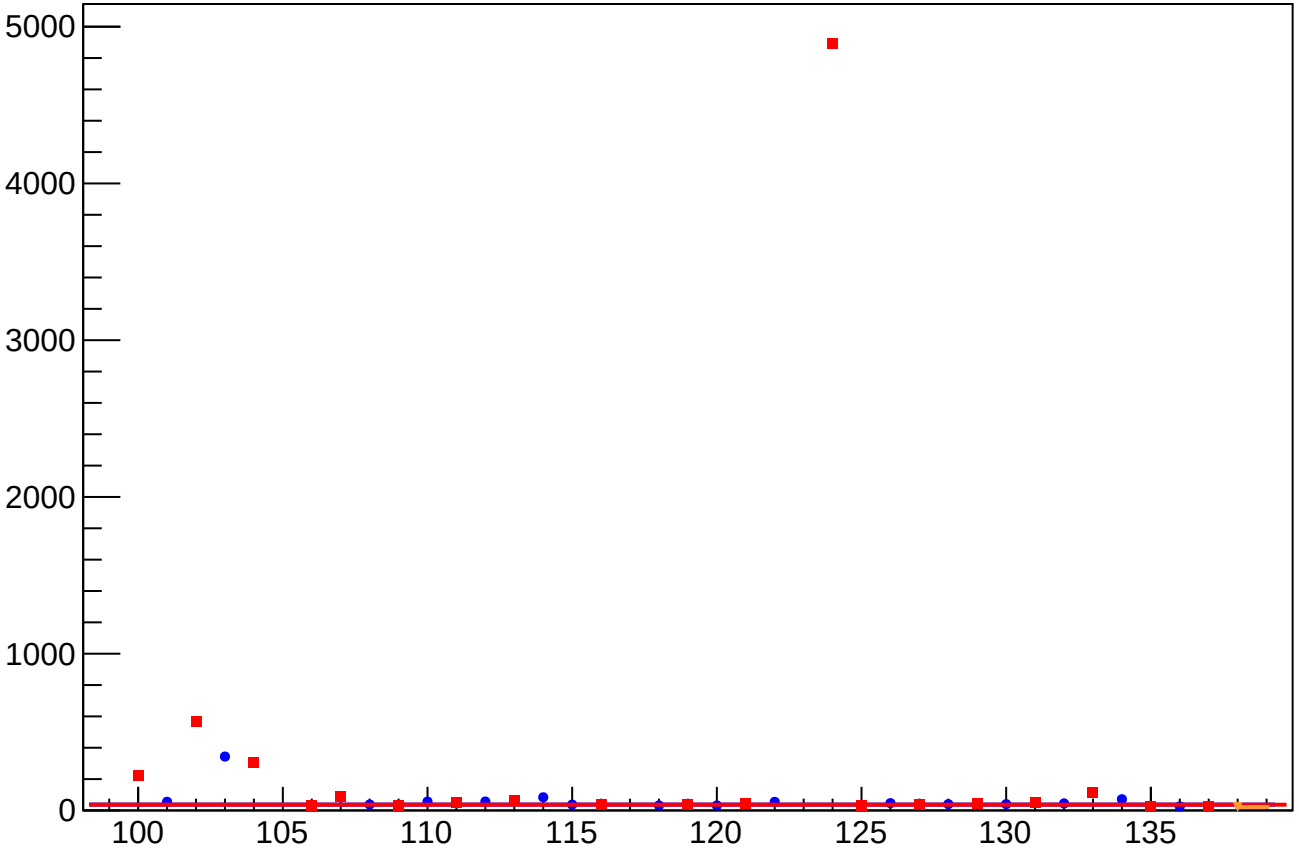
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.008+/-0.016 χ^2/NDF:19.3/15

Out: 0.004+/-0.014 χ^2/NDF:13.7/19

All: 0.006+/-0.011 χ^2/NDF: 33.0/35

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: 21.947+/-0.020 χ^2/NDF:0.0/0

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

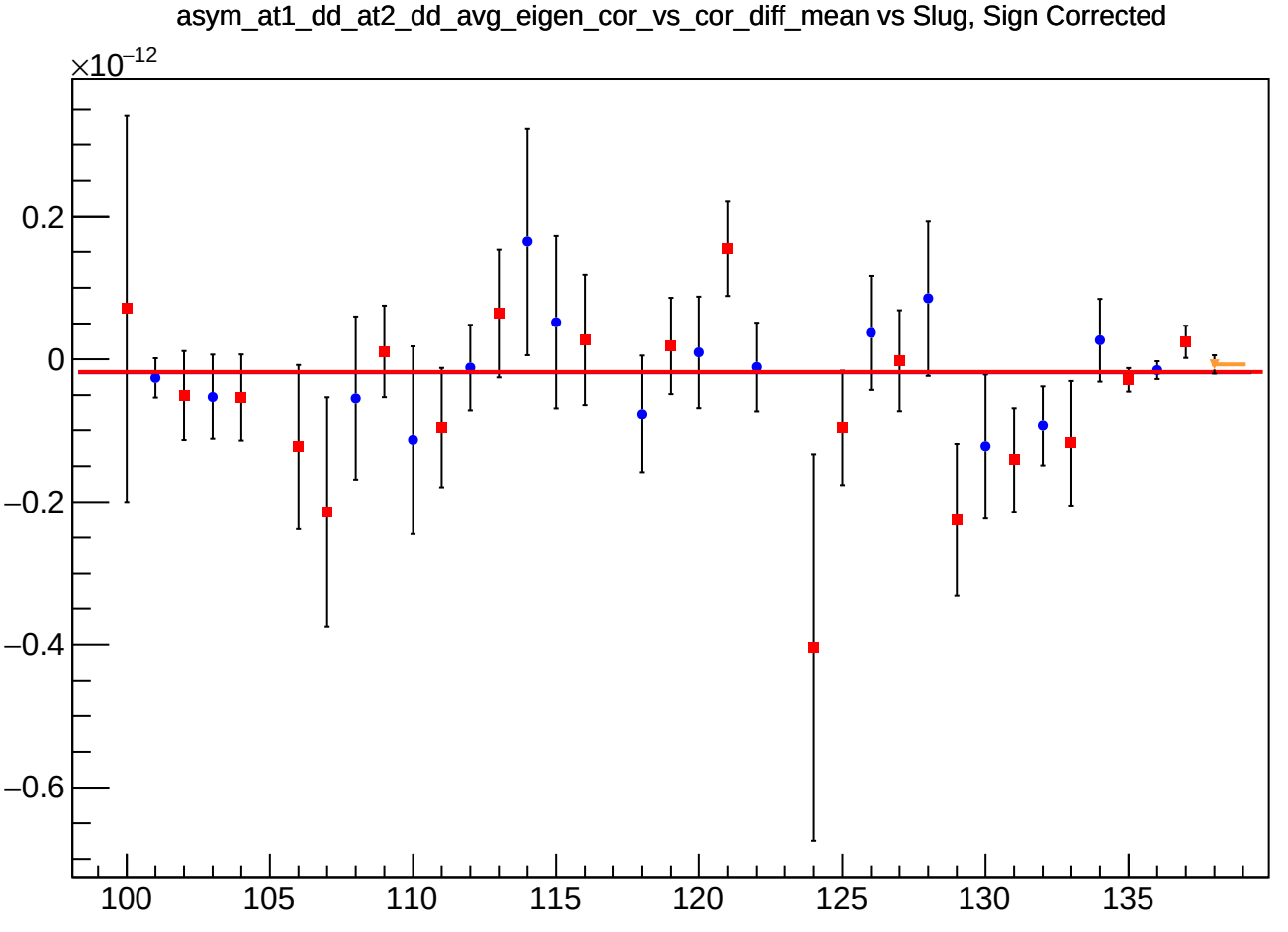
Left: 21.947+/-0.020 χ^2/NDF: 0.0/0

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.495+/-0.011 χ^2/NDF:1983206.3/15

Out: 33.042+/-0.010 χ^2/NDF:3590438.5/19

All: 35.020+/-0.008 χ^2/NDF: 5658892.3/35



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

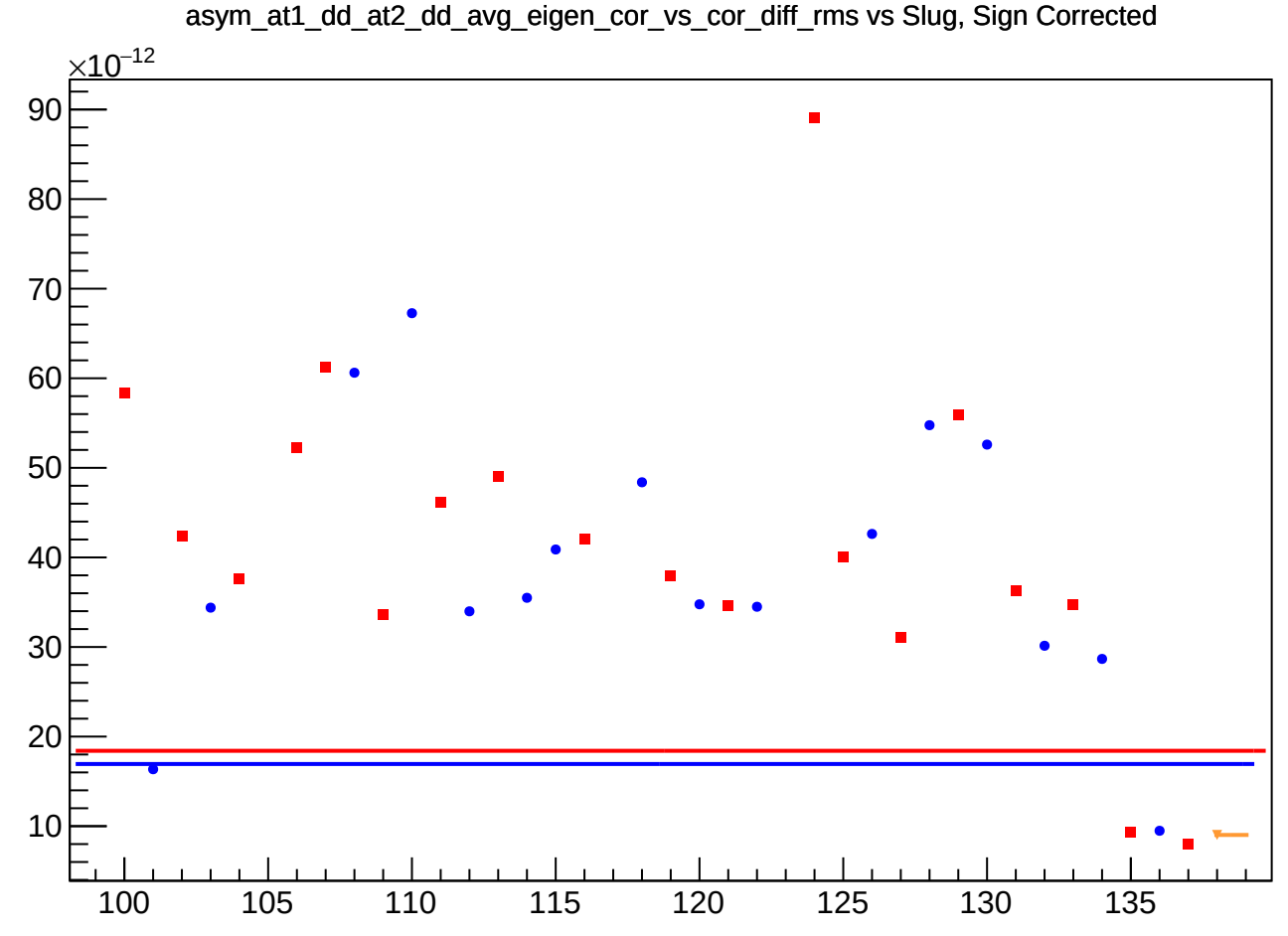
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:8.3/15

Out: -0.000+/-0.000 χ^2/NDF:27.7/19

All: -0.000+/-0.000 χ^2/NDF: 36.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

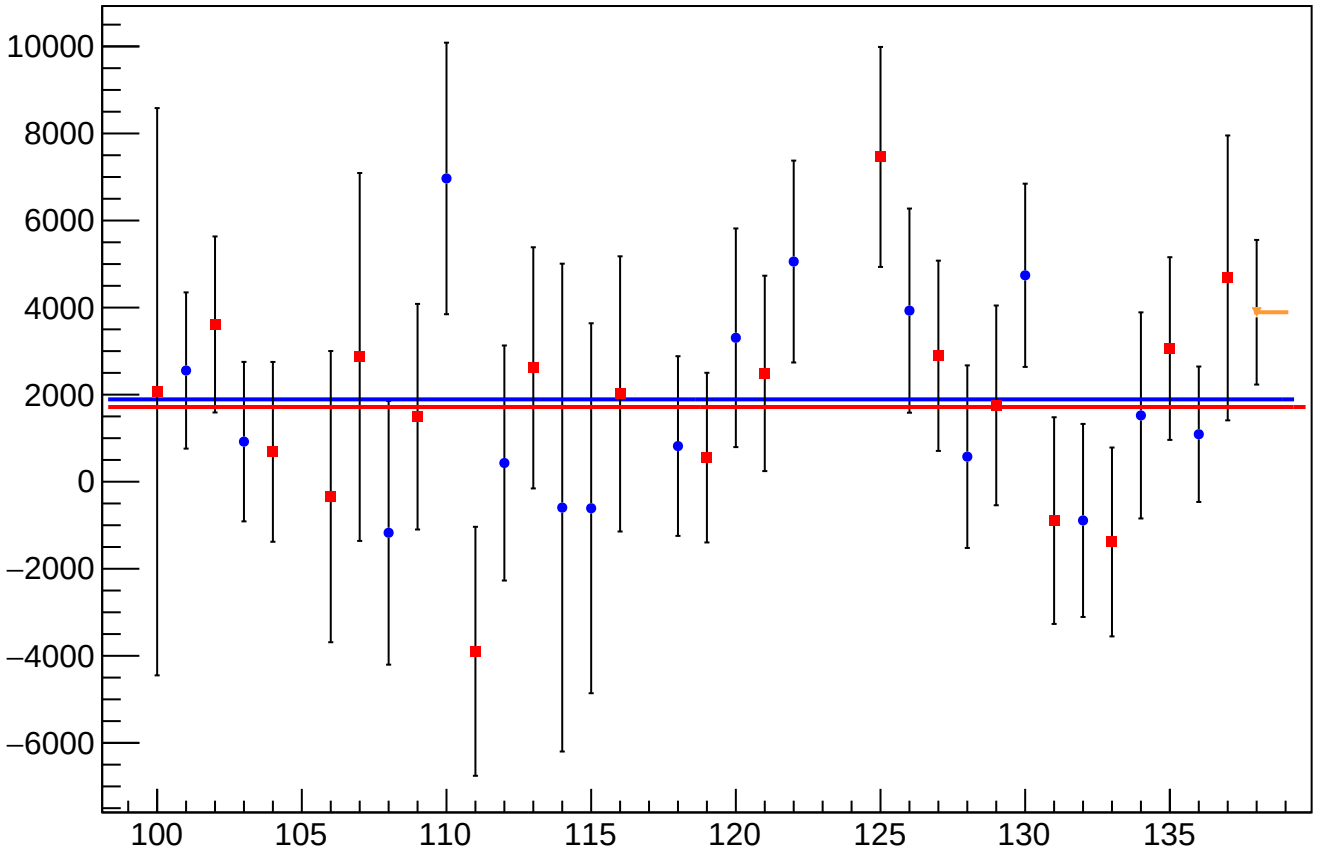
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:3207856.3/15

Out: 0.000+/-0.000 χ^2/NDF:4295228.6/19

All: 0.000+/-0.000 χ^2/NDF: 7581248.2/35



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 3892.949+/-1661.515 χ^2/NDF:0.0/0

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3892.949+/-1661.515 χ^2/NDF: 0.0/0

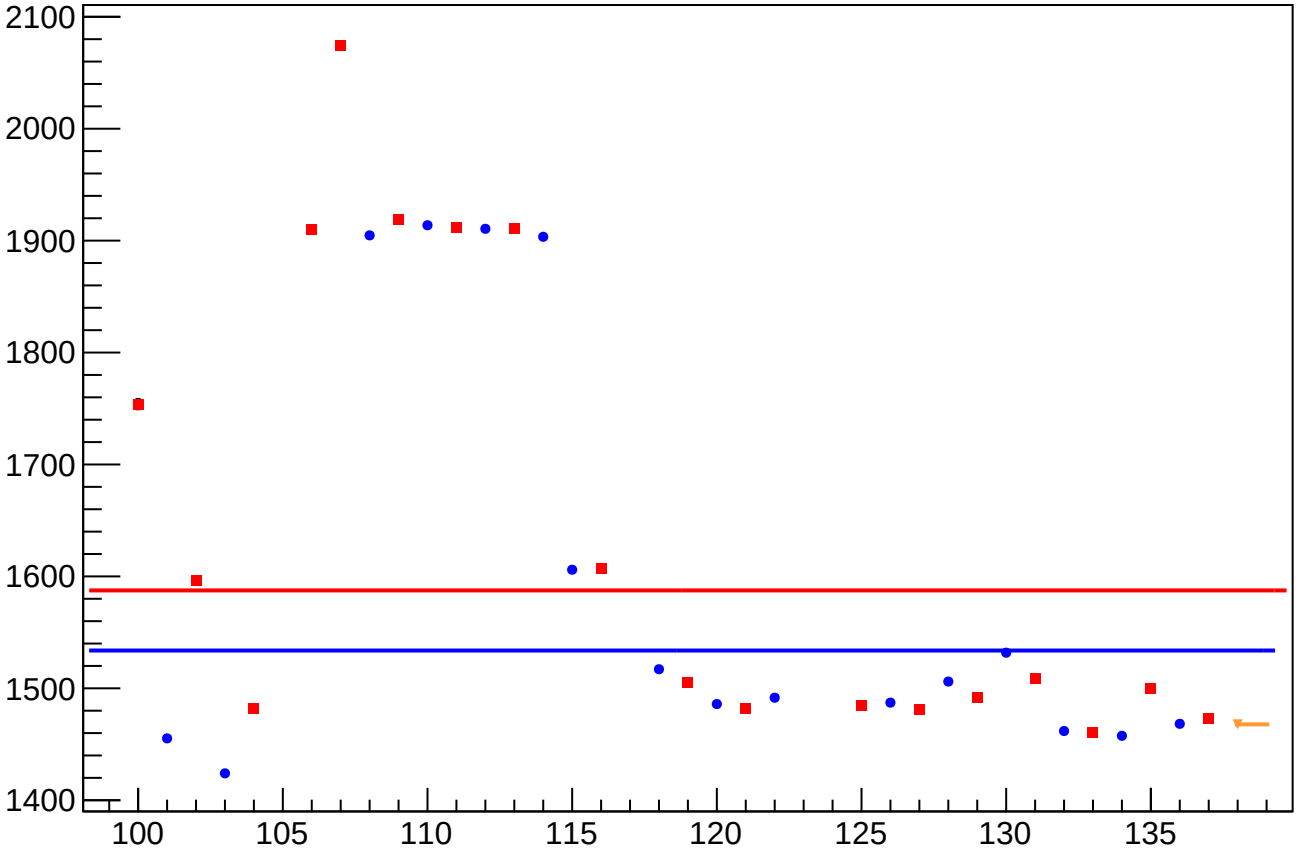
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1891.457+/-572.244 χ^2/NDF:12.2/15

Out: 1959.330+/-555.584 χ^2/NDF:17.5/18

All: 1926.396+/-398.617 χ^2/NDF: 29.7/34

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1467.789+/-1.175 χ^2/NDF:0.0/0

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

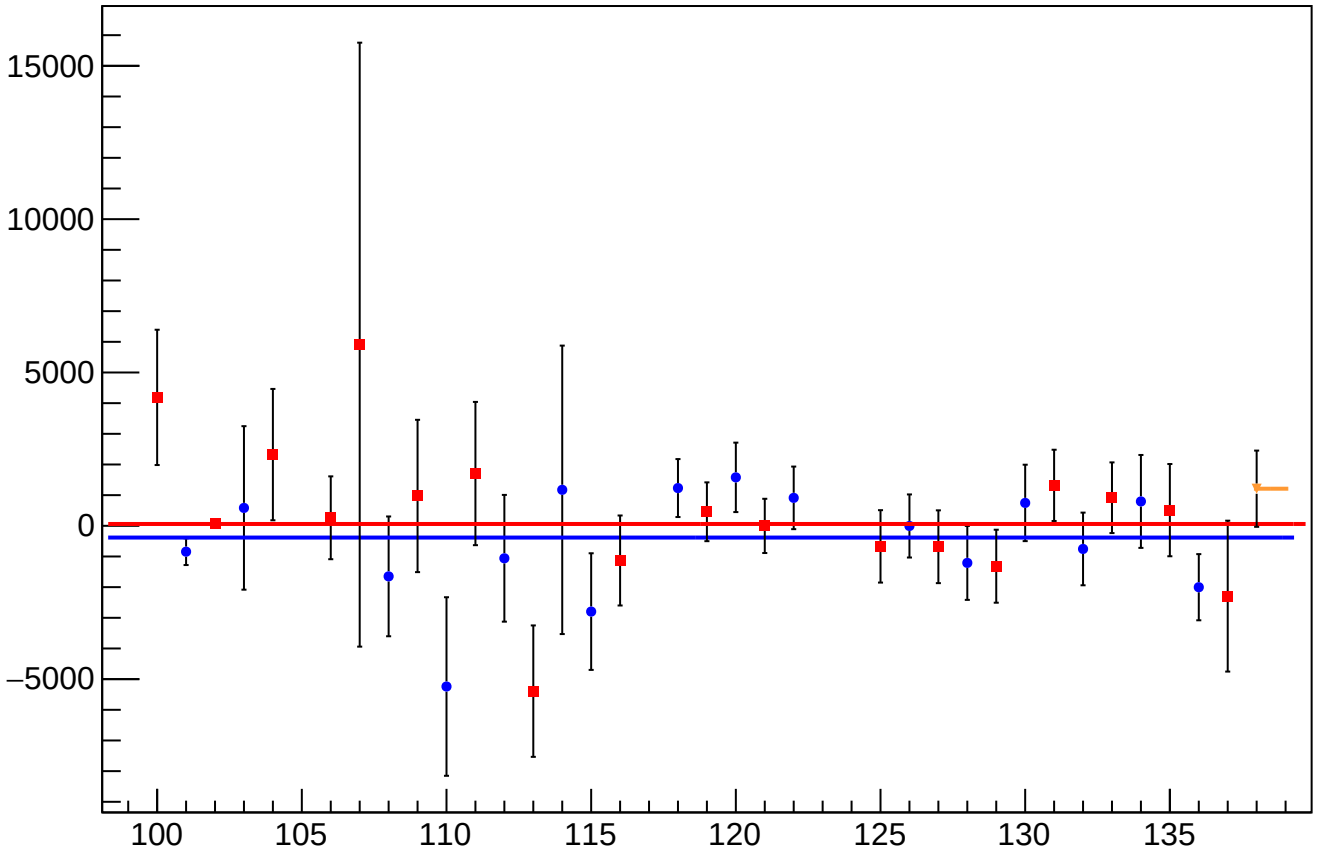
Left: 1467.789+/-1.175 χ^2/NDF: 0.0/0

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1533.771+/-0.405 χ^2/NDF:129271.6/15

Out: 1574.080+/-0.393 χ^2/NDF:181203.7/18

All: 1554.521+/-0.282 χ^2/NDF: 315583.9/34



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1210.074+/-1243.130 χ^2/NDF:0.0/0

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

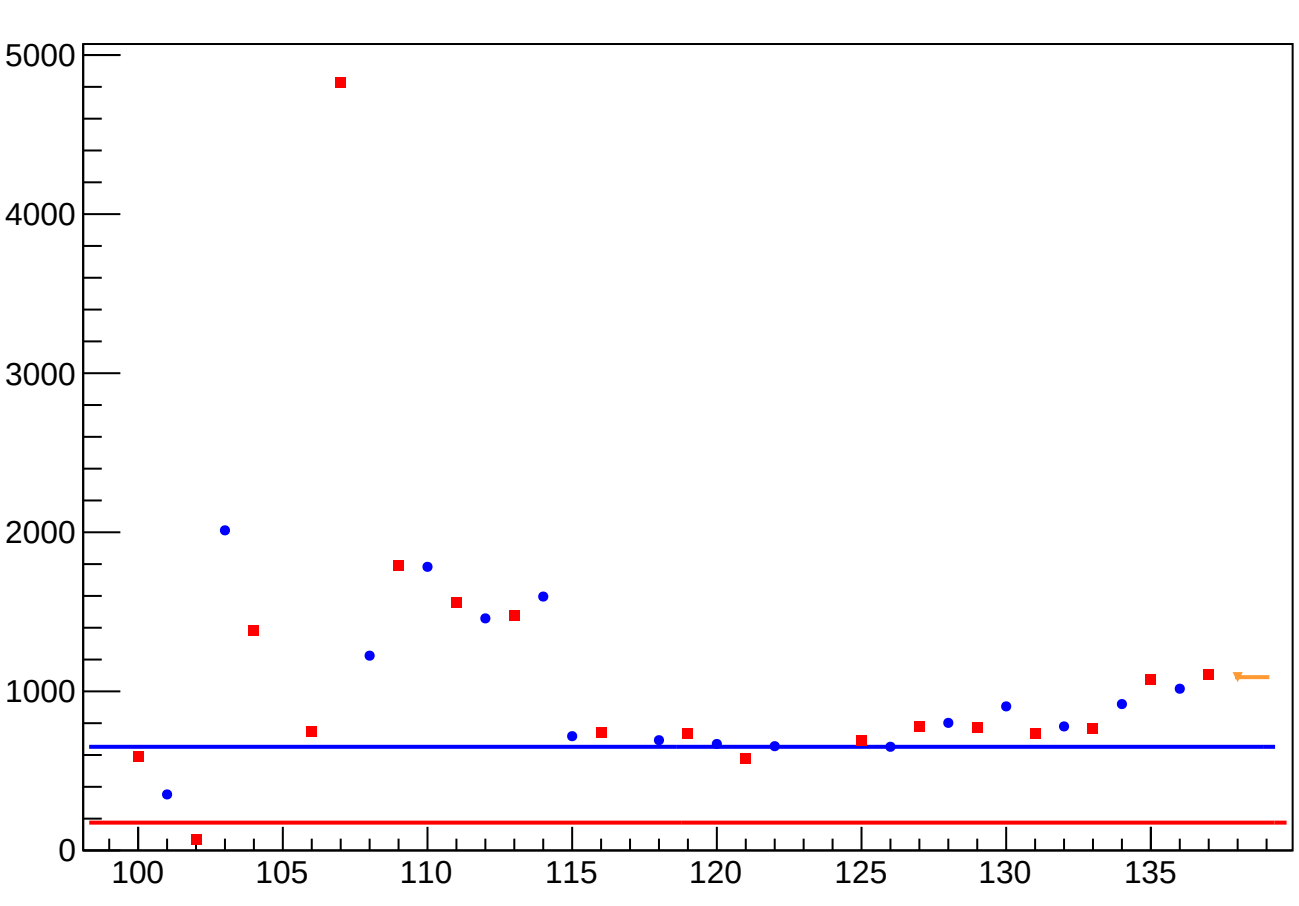
Left: 1210.074+/-1243.130 χ^2/NDF: 0.0/0

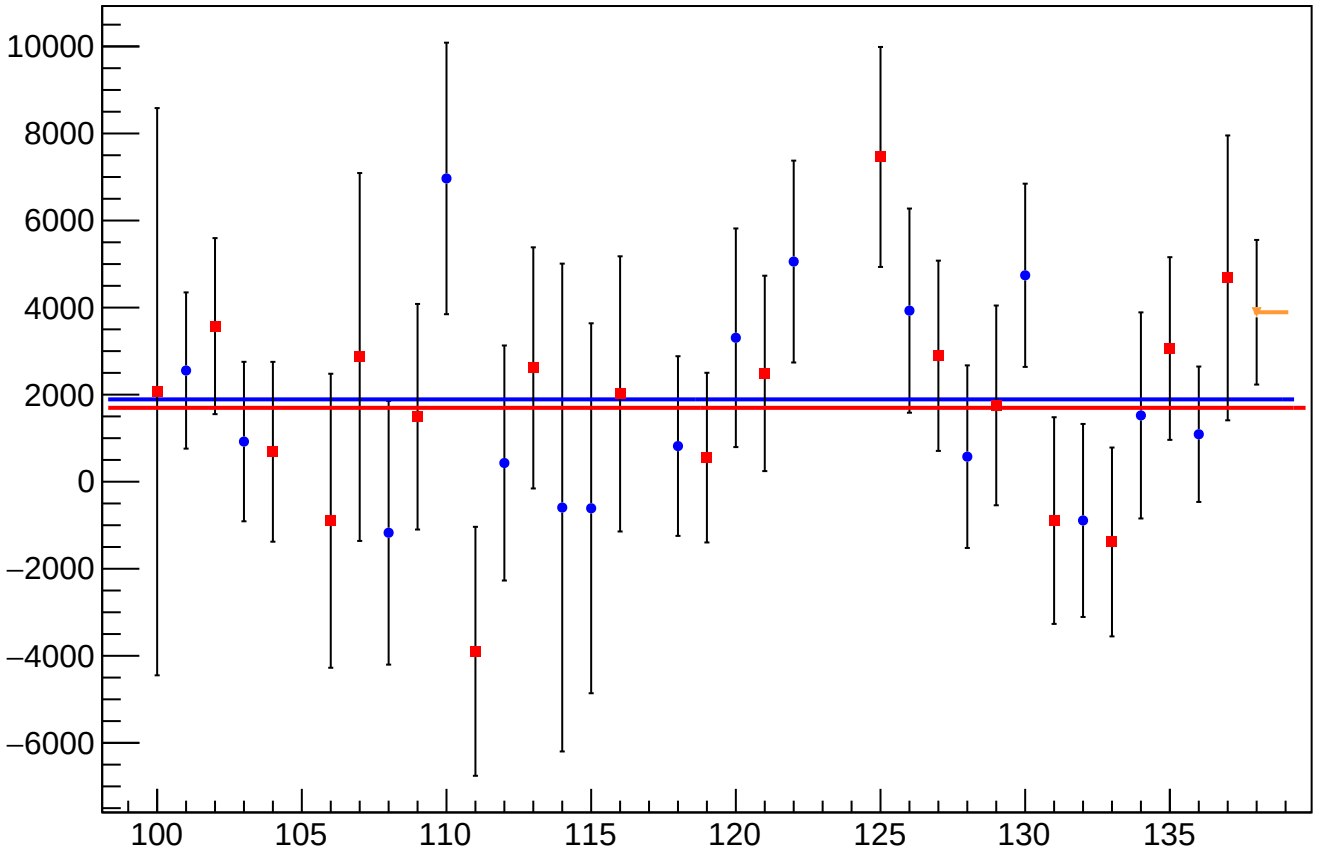
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -382.787+/-272.209 χ^2/NDF:18.2/15

Out: 71.980+/-127.032 χ^2/NDF:18.6/18

All: -9.348+/-115.114 χ^2/NDF: 39.1/34


asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
0
100
105
110
115
120
125
130
135
Right In: 651.523+/-0.192 χ²/NDF: 2762656.2/15
Left Out: 1089.422+/-0.879 χ²/NDF:0.0/0
Right Out: 174.898+/-0.090 χ²/NDF: 9761228.2/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1089.422+/-0.879 χ²/NDF: 0.0/0
Right: 260.873+/-0.082 χ²/NDF: 17549506.9/33
In: 651.523+/-0.192 χ²/NDF:2762656.2/15
Out: 184.448+/-0.090 χ²/NDF:10832323.0/18
All: 267.977+/-0.081 χ²/NDF: 18430339.9/34



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 3892.946+/-1661.515 χ^2/NDF:0.0/0

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3892.946+/-1661.515 χ^2/NDF: 0.0/0

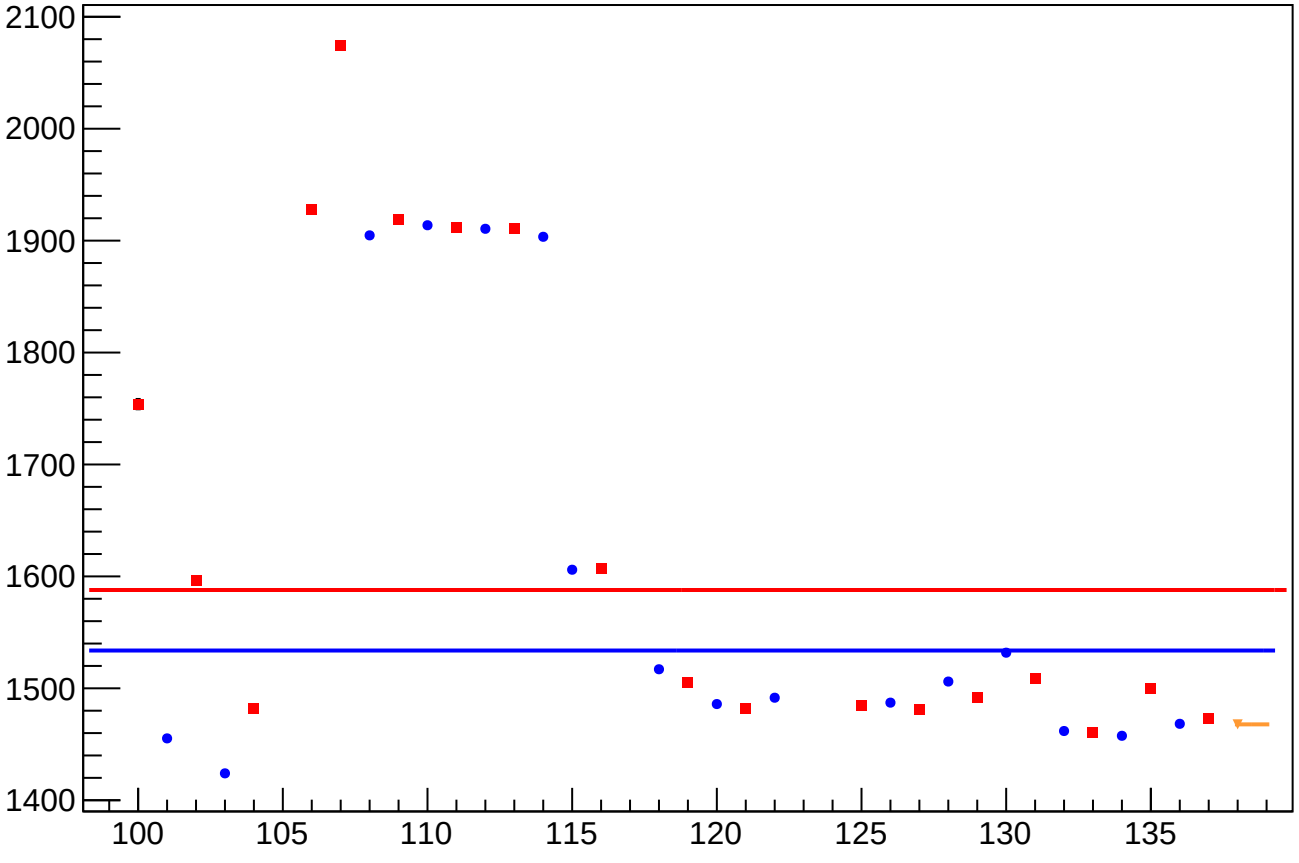
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1891.562+/-572.244 χ^2/NDF:12.2/15

Out: 1942.657+/-555.735 χ^2/NDF:17.7/18

All: 1917.857+/-398.673 χ^2/NDF: 29.9/34

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1467.789+/-1.175 χ^2/NDF:0.0/0

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

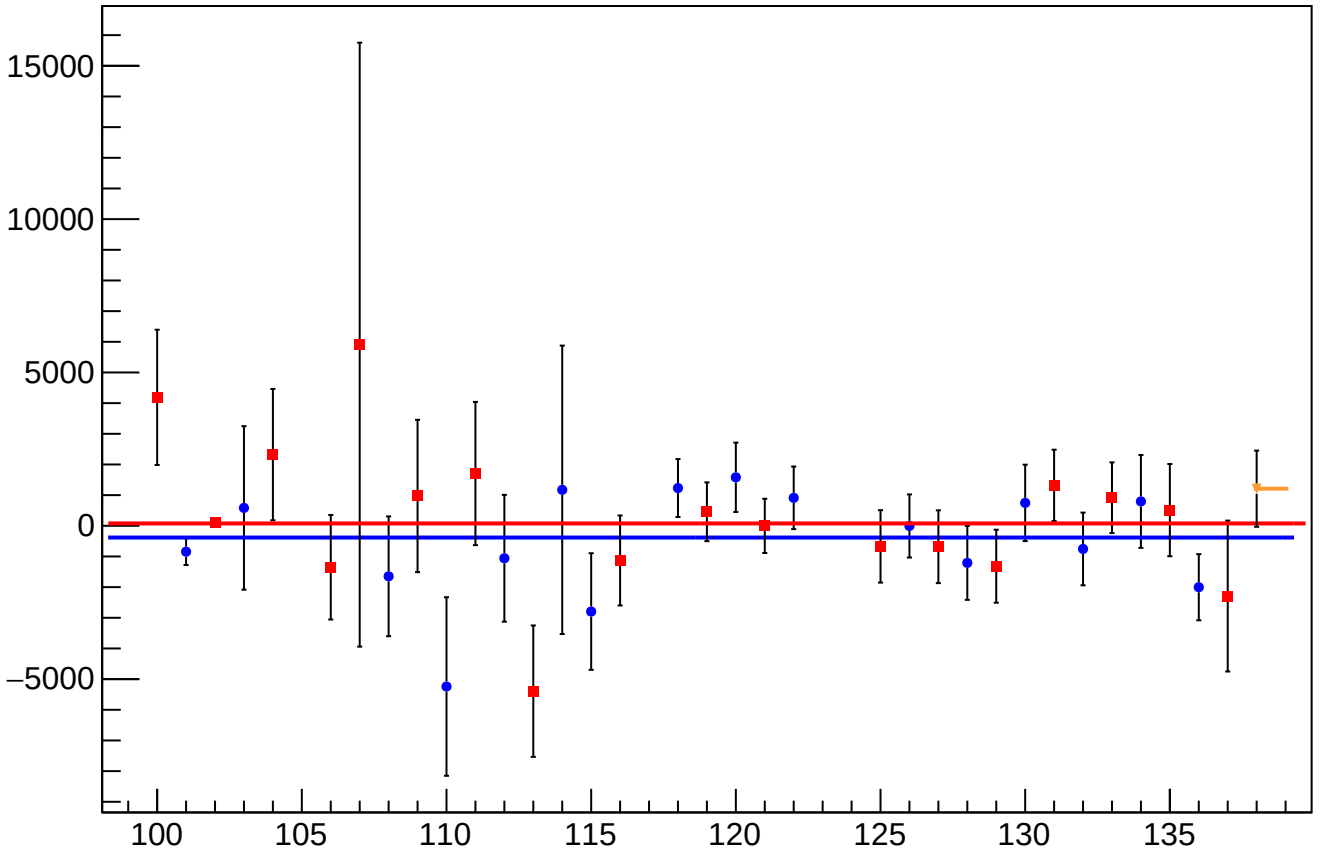
Left: 1467.789+/-1.175 χ^2/NDF: 0.0/0

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1533.771+/-0.405 χ^2/NDF:129271.5/15

Out: 1574.415+/-0.393 χ^2/NDF:183041.1/18

All: 1554.688+/-0.282 χ^2/NDF: 317504.9/34



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1210.224+/-1243.141 χ^2/NDF:0.0/0

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

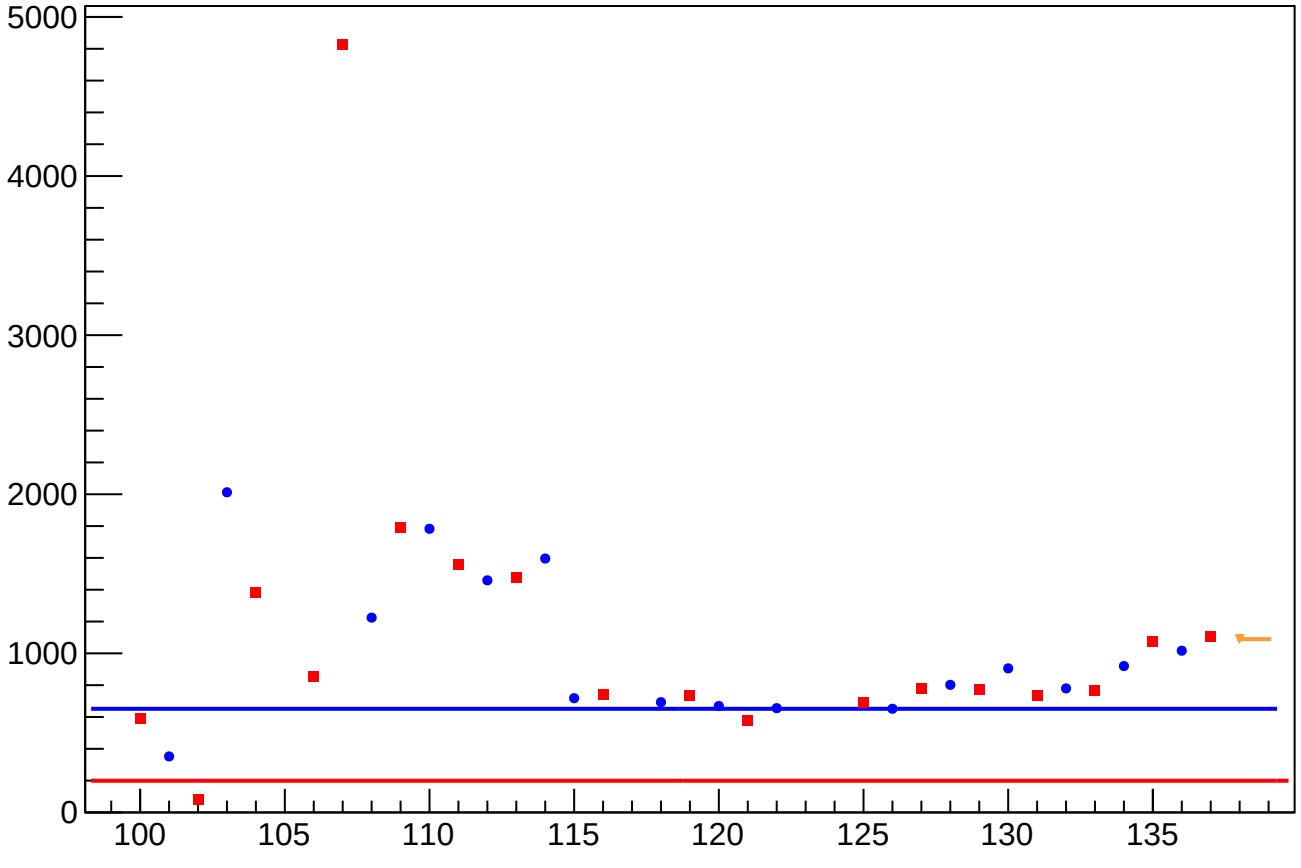
Left: 1210.224+/-1243.141 χ^2/NDF: 0.0/0

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -382.761+/-272.209 χ^2/NDF:18.2/15

Out: 90.579+/-137.292 χ^2/NDF:19.3/18

All: -5.412+/-122.583 χ^2/NDF: 39.9/34



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1089.433+/-0.879 χ^2/NDF:0.0/0

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

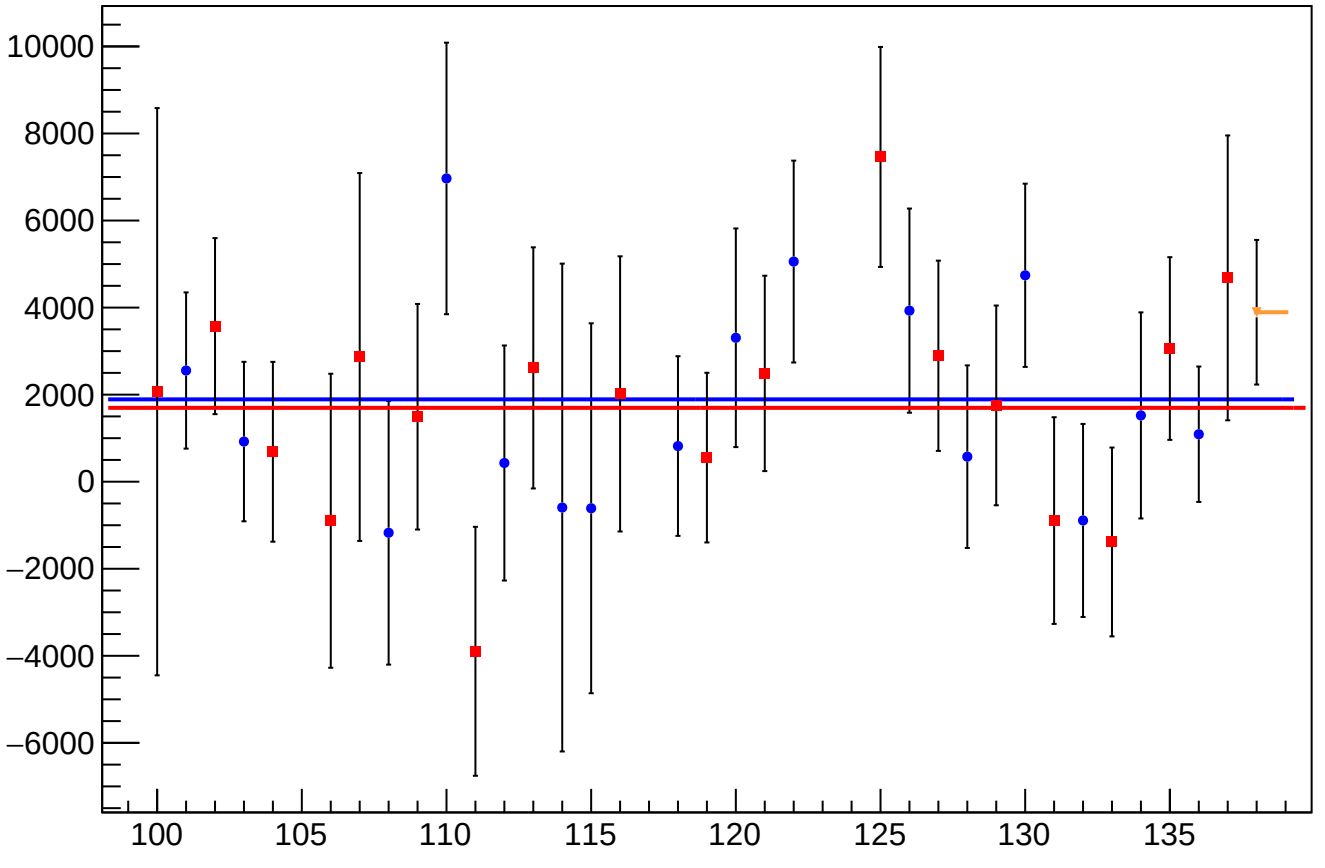
Left: 1089.433+/-0.879 χ^2/NDF: 0.0/0

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 651.521+/-0.192 χ^2/NDF:2762681.5/15

Out: 210.200+/-0.097 χ^2/NDF:10297601.2/18

All: 299.698+/-0.087 χ^2/NDF: 17251165.6/34



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 3892.946+/-1661.515 χ^2/NDF:0.0/0

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

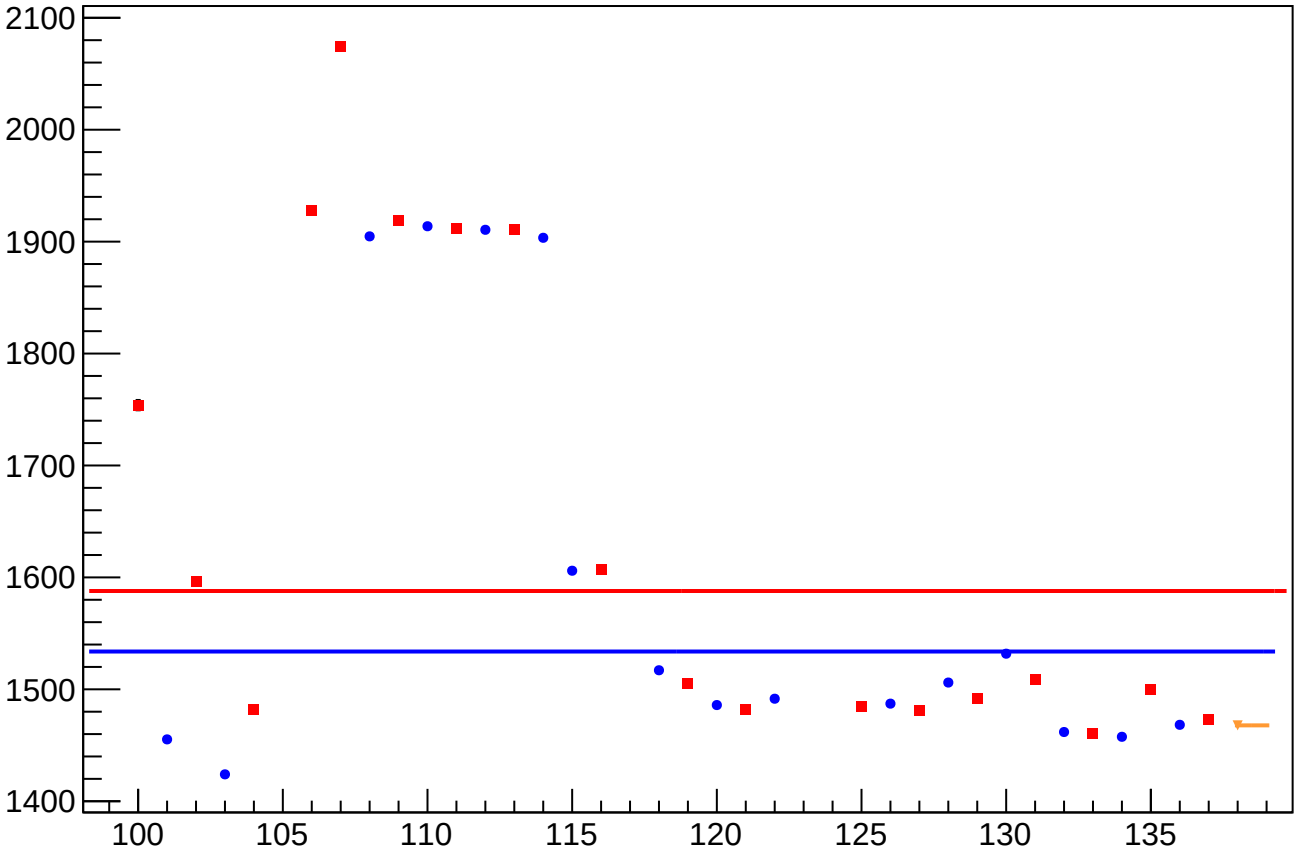
Left: 3892.946+/-1661.515 χ^2/NDF: 0.0/0

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1891.562+/-572.244 χ^2/NDF:12.2/15

Out: 1942.657+/-555.735 χ^2/NDF:17.7/18

All: 1917.857+/-398.673 χ^2/NDF: 29.9/34



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1467.789+/-1.175 χ^2/NDF:0.0/0

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1467.789+/-1.175 χ^2/NDF: 0.0/0

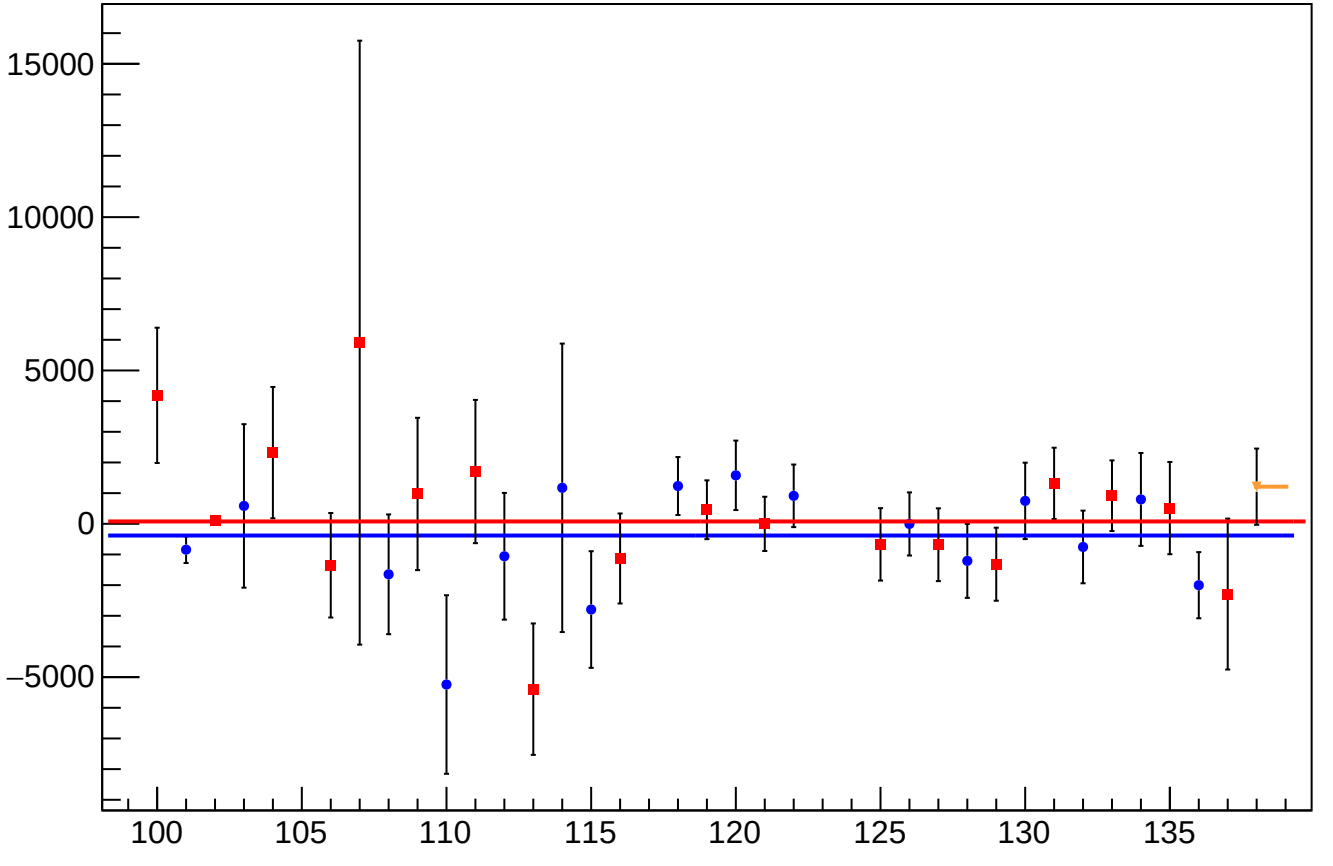
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1533.771+/-0.405 χ^2/NDF:129271.5/15

Out: 1574.415+/-0.393 χ^2/NDF:183041.1/18

All: 1554.688+/-0.282 χ^2/NDF: 317504.9/34

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1210.224+/-1243.141 χ^2/NDF:0.0/0

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1210.224+/-1243.141 χ^2/NDF: 0.0/0

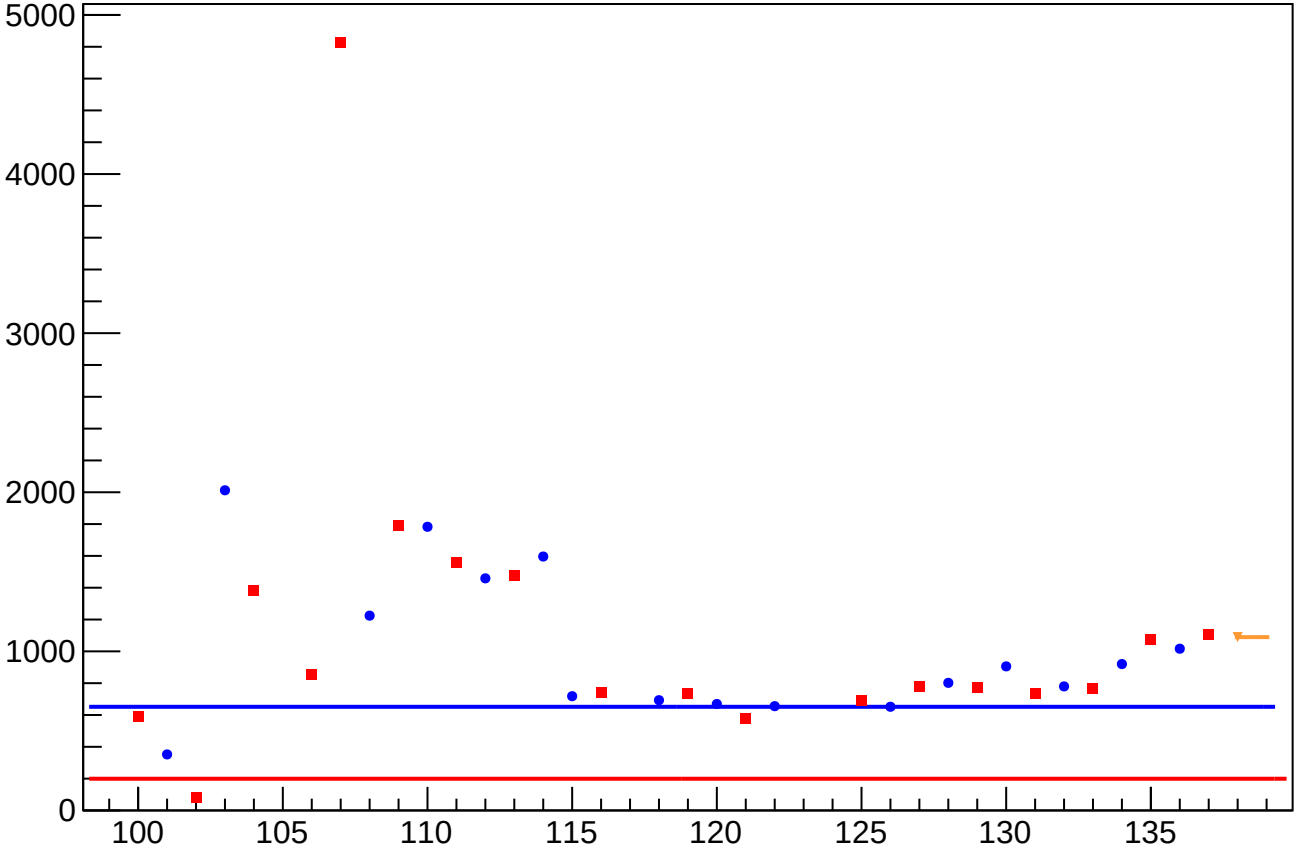
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -382.761+/-272.209 χ^2/NDF:18.2/15

Out: 90.579+/-137.292 χ^2/NDF:19.3/18

All: -5.412+/-122.583 χ^2/NDF: 39.9/34

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: 1089.433+/-0.879 χ^2/NDF:0.0/0

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

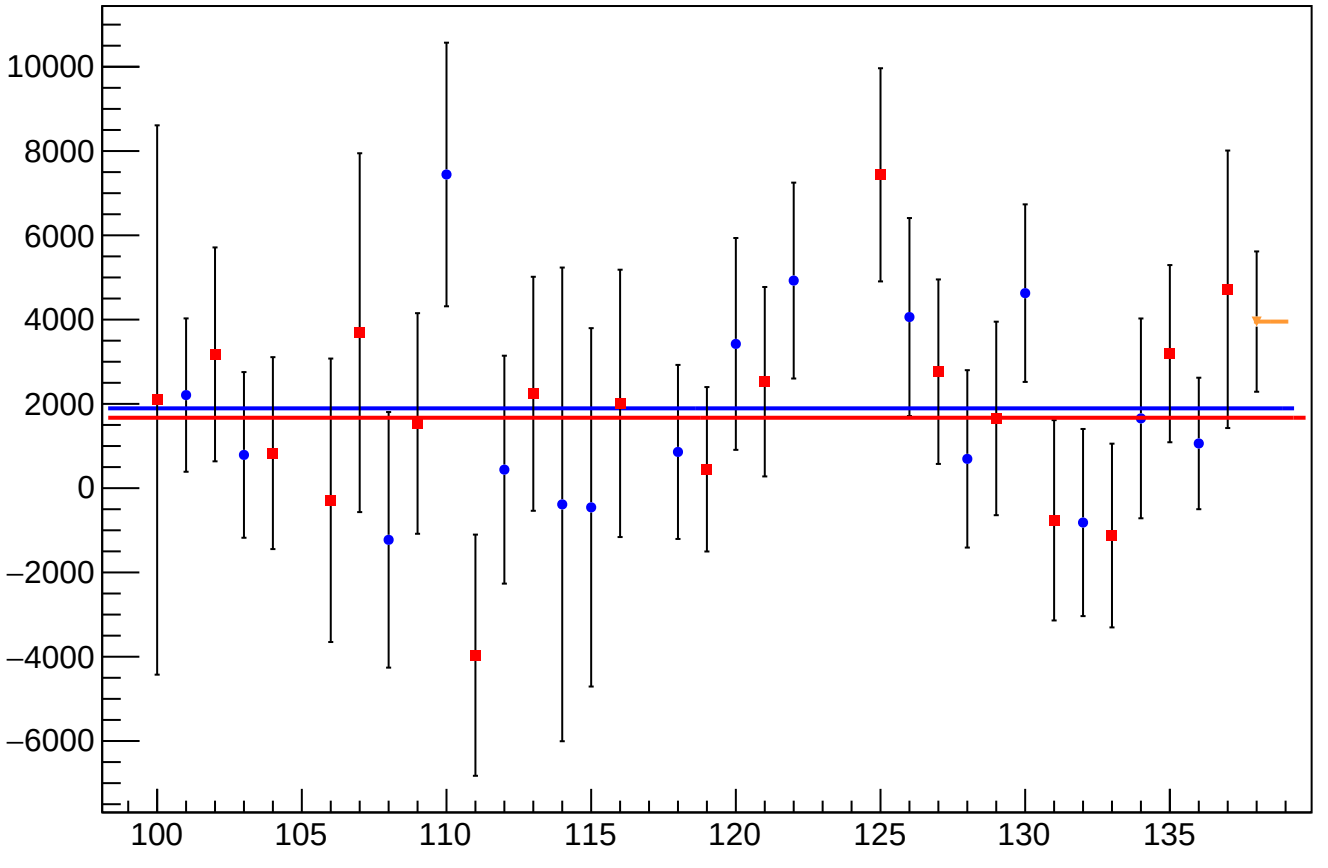
Left: 1089.433+/-0.879 χ^2/NDF: 0.0/0

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 651.521+/-0.192 χ^2/NDF:2762681.5/15

Out: 210.200+/-0.097 χ^2/NDF:10297601.2/18

All: 299.698+/-0.087 χ^2/NDF: 17251165.6/34



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 3952.881+/-1665.090 χ^2/NDF:0.0/0

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

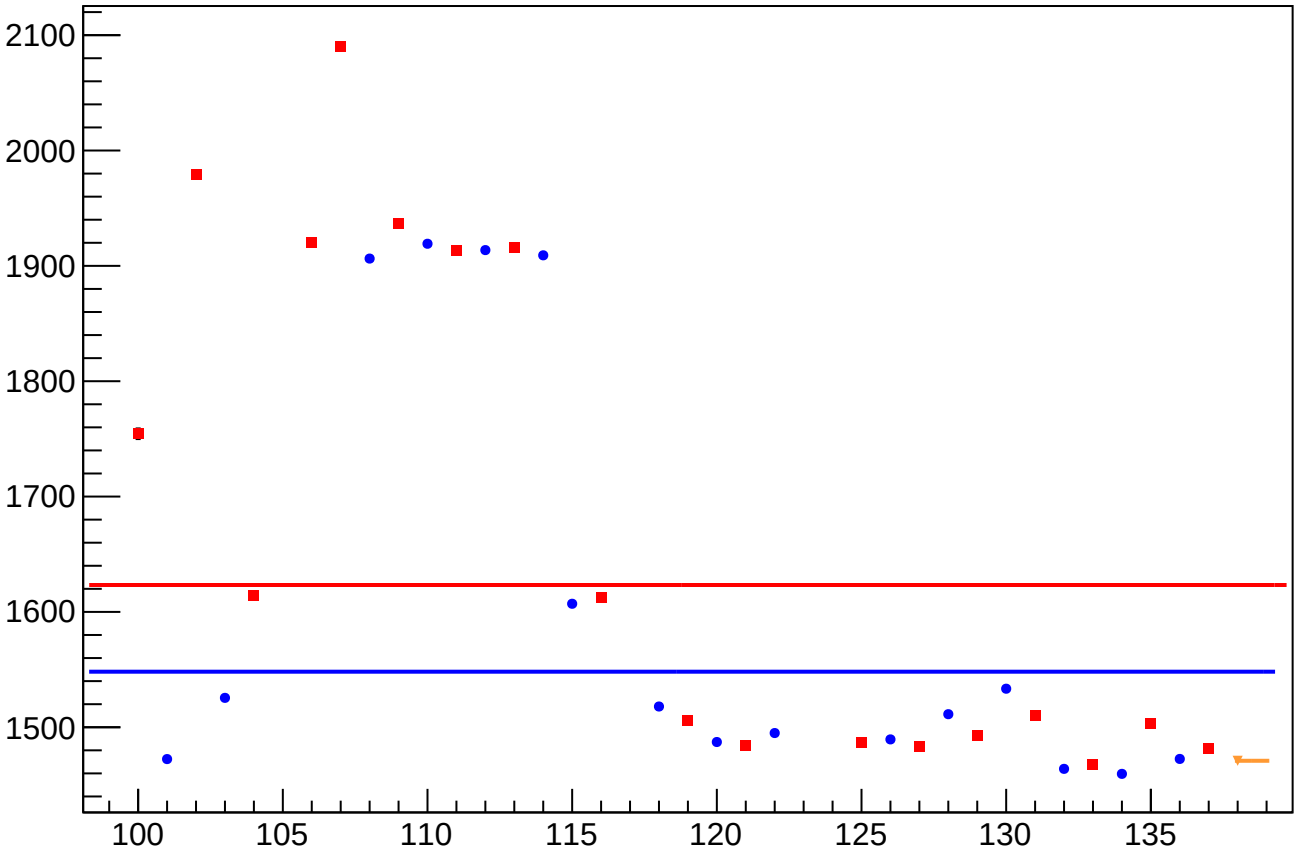
Left: 3952.881+/-1665.090 χ^2/NDF: 0.0/0

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1894.171+/-577.631 χ^2/NDF:12.3/15

Out: 1936.933+/-568.494 χ^2/NDF:16.7/18

All: 1915.893+/-405.178 χ^2/NDF: 29.0/34



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1470.942+/-1.177 χ^2/NDF:0.0/0

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

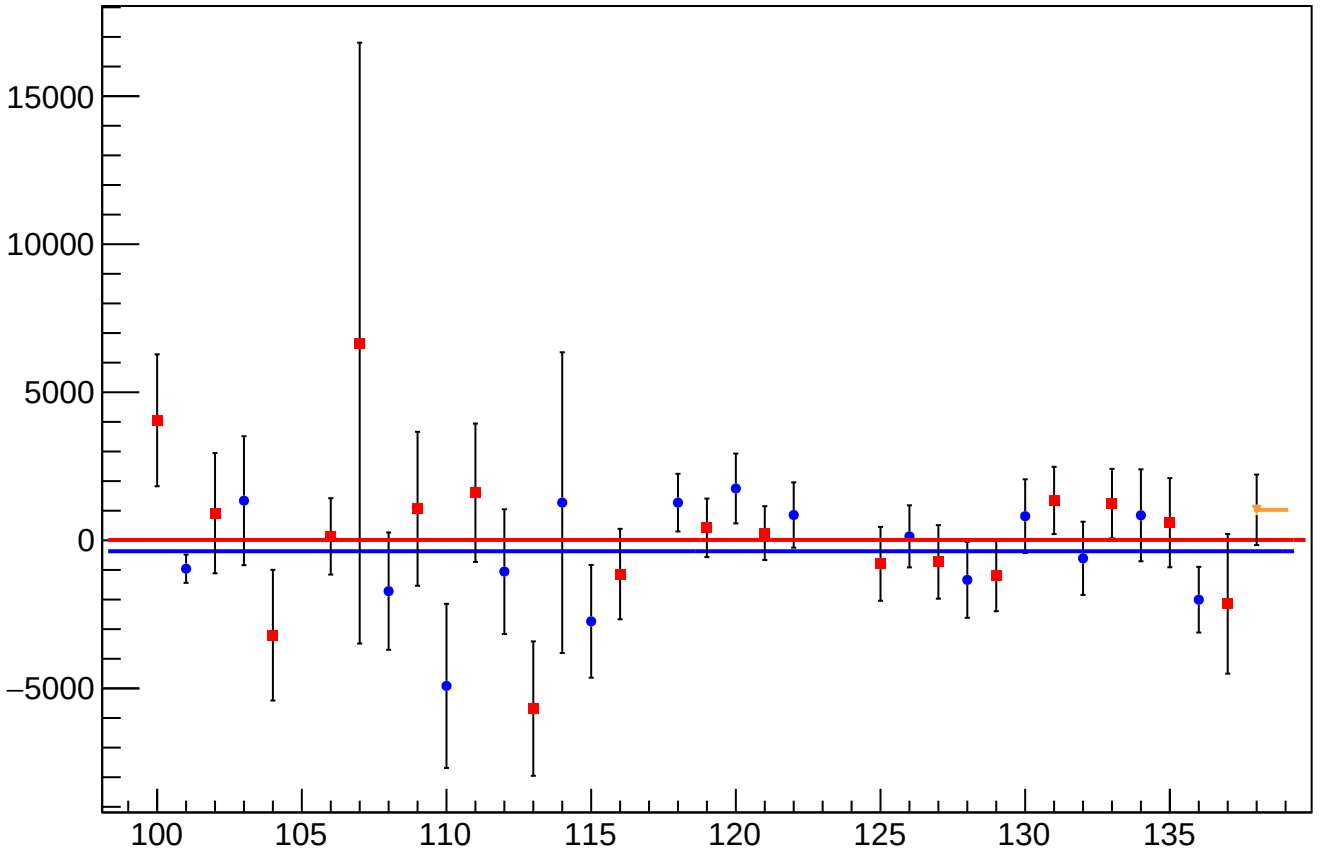
Left: 1470.942+/-1.177 χ^2/NDF: 0.0/0

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1548.174+/-0.408 χ^2/NDF:119905.3/15

Out: 1605.567+/-0.402 χ^2/NDF:226333.1/18

All: 1577.328+/-0.287 χ^2/NDF: 356268.1/34



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 1030.510+/-1190.451 χ^2/NDF:0.0/0

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

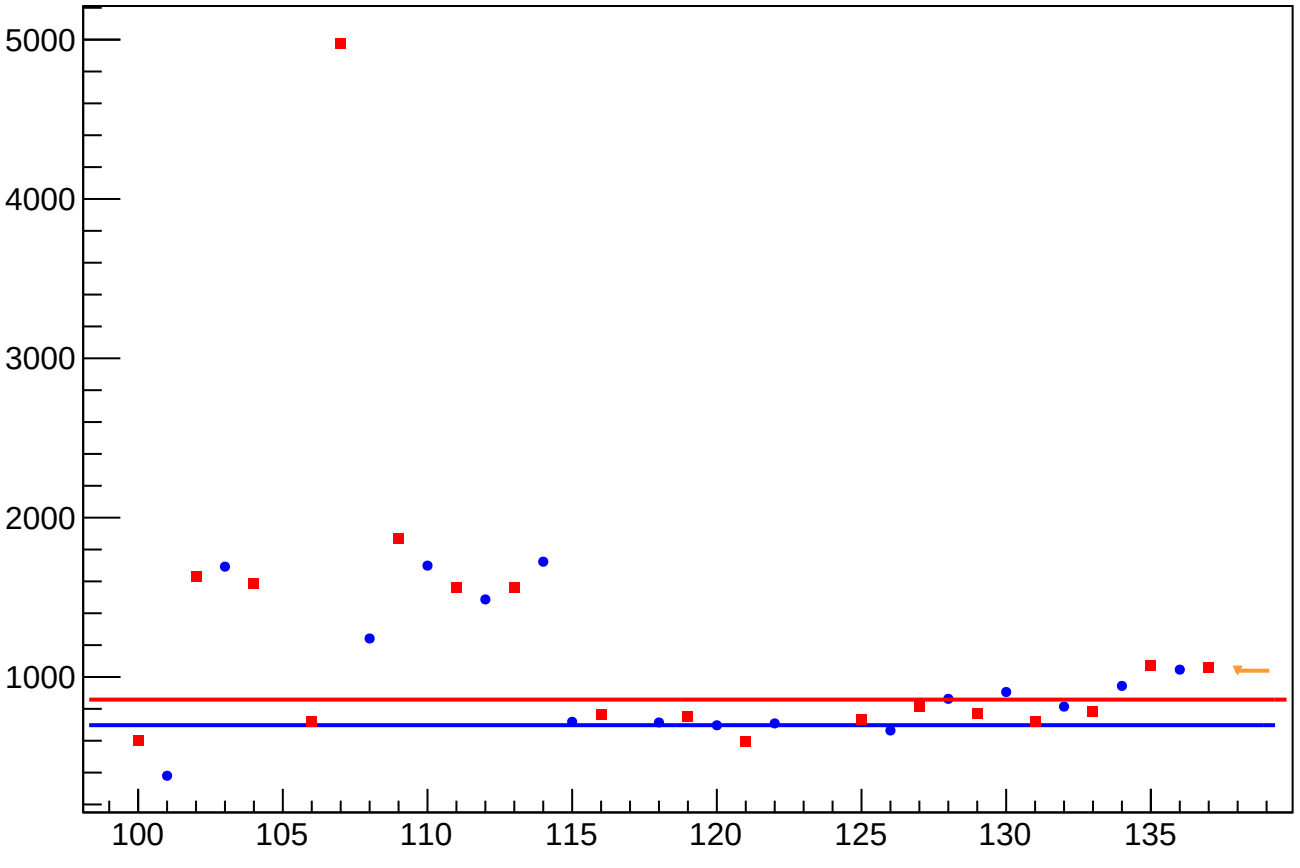
Left: 1030.510+/-1190.451 χ^2/NDF: 0.0/0

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -368.708+/-286.577 χ^2/NDF:18.9/15

Out: 91.069+/-328.322 χ^2/NDF:19.7/18

All: -169.890+/-215.900 χ^2/NDF: 39.7/34



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1039.527+/-0.842 χ^2/NDF:0.0/0

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

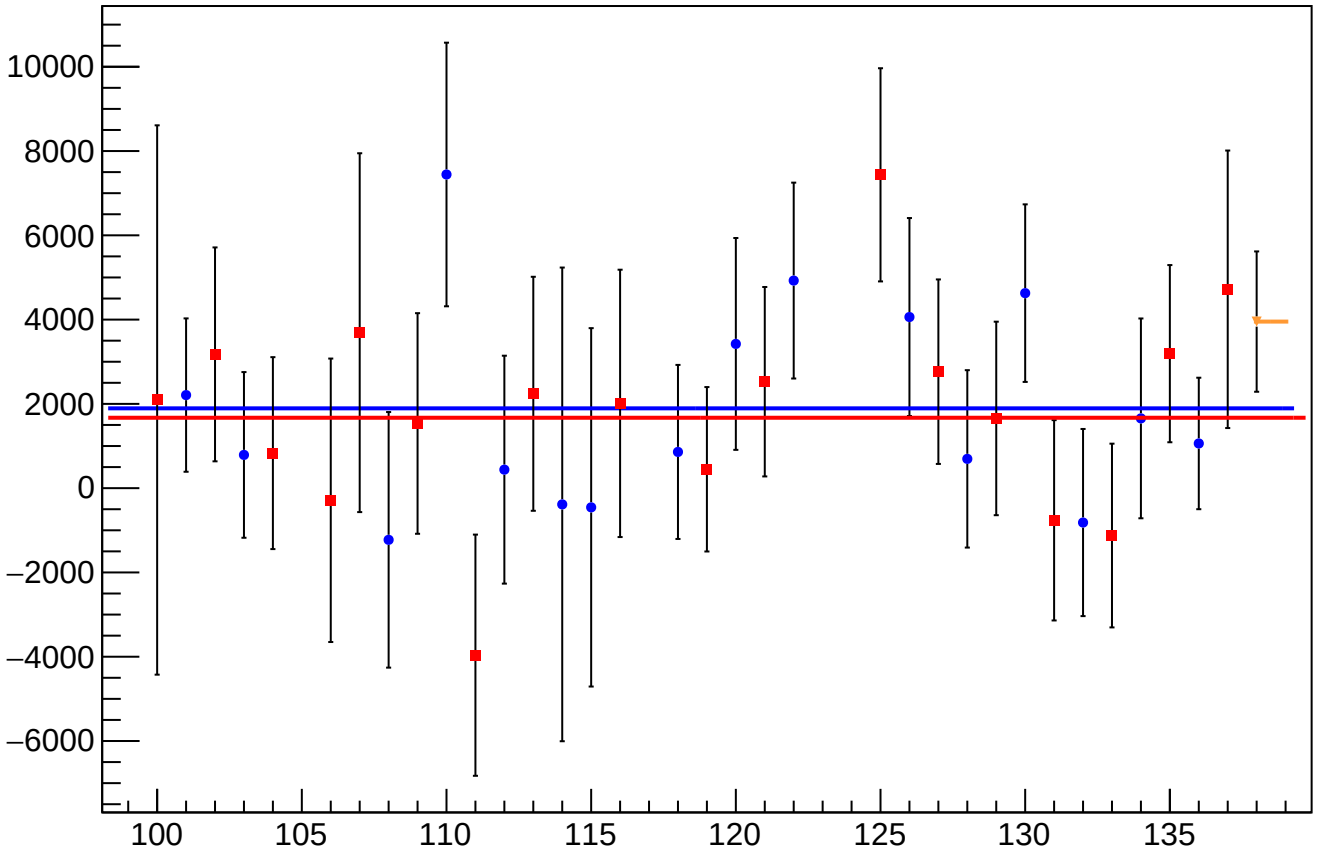
Left: 1039.527+/-0.842 χ^2/NDF: 0.0/0

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 697.517+/-0.203 χ^2/NDF:2435601.0/15

Out: 871.896+/-0.232 χ^2/NDF:1925086.2/18

All: 772.922+/-0.153 χ^2/NDF: 4680905.2/34



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 3952.886+/-1665.090 χ^2/NDF:0.0/0

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

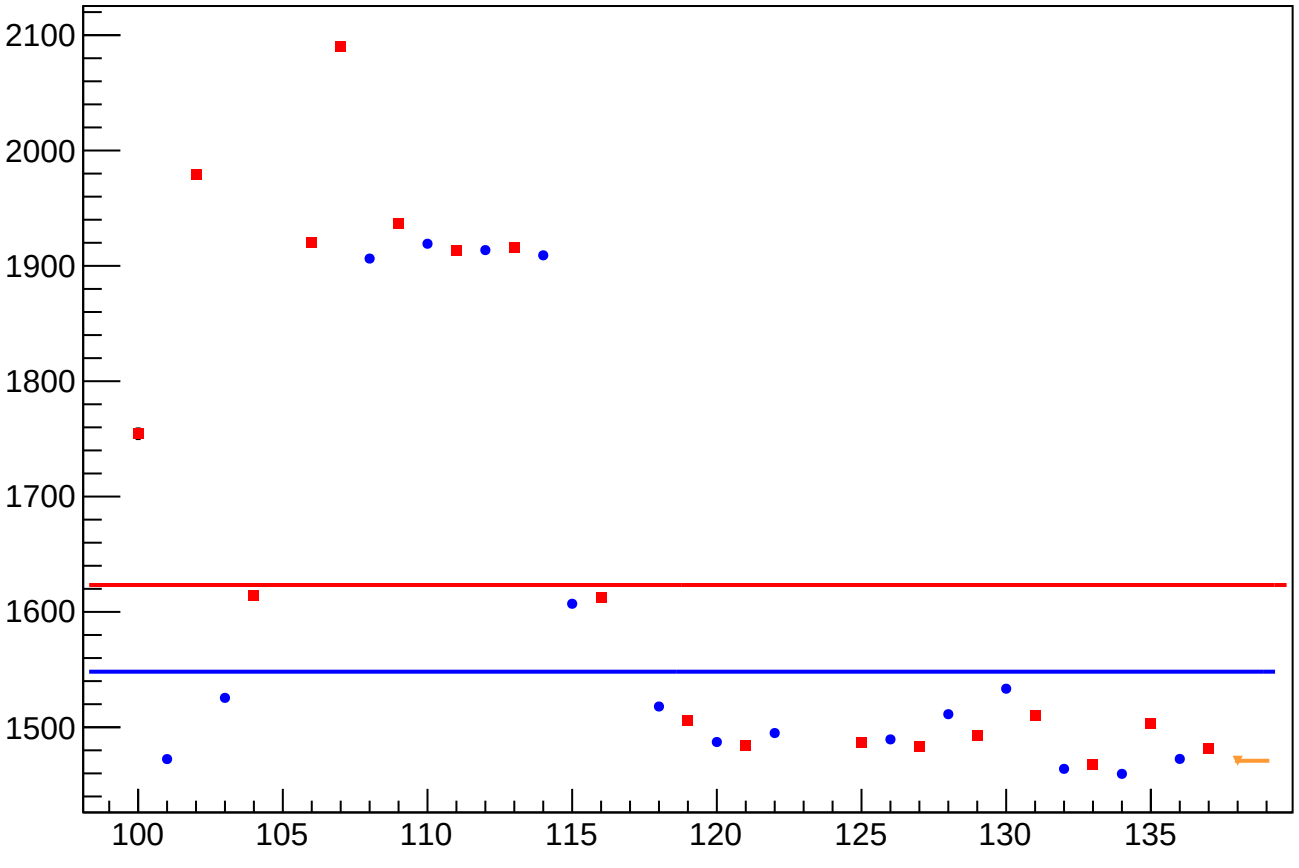
Left: 3952.886+/-1665.090 χ^2/NDF: 0.0/0

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1894.169+/-577.630 χ^2/NDF:12.3/15

Out: 1936.932+/-568.494 χ^2/NDF:16.7/18

All: 1915.891+/-405.177 χ^2/NDF: 29.0/34



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1470.942+/-1.177 χ^2/NDF:0.0/0

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

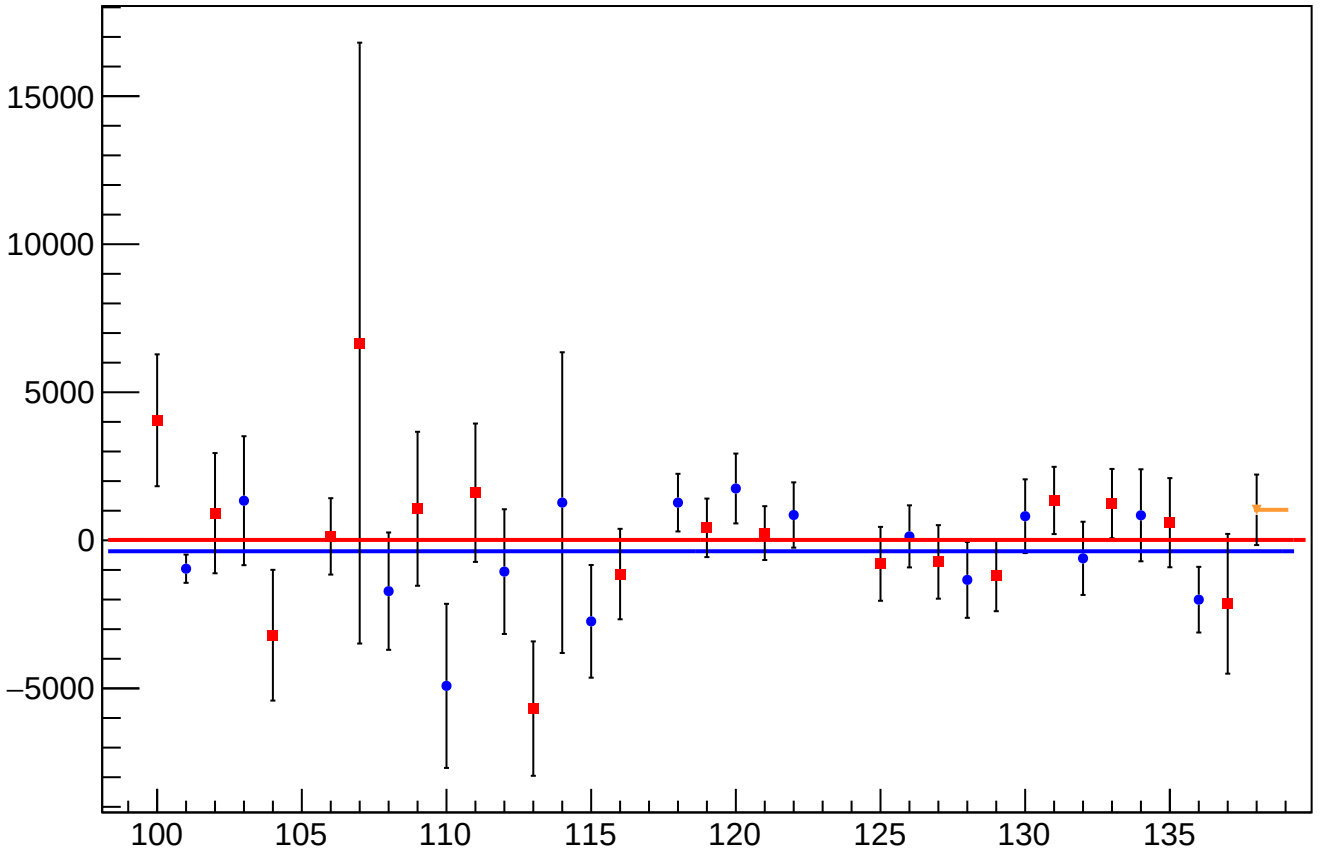
Left: 1470.942+/-1.177 χ^2/NDF: 0.0/0

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1548.174+/-0.408 χ^2/NDF:119905.4/15

Out: 1605.567+/-0.402 χ^2/NDF:226332.8/18

All: 1577.328+/-0.287 χ^2/NDF: 356267.9/34



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 1030.513+/-1190.452 χ^2/NDF:0.0/0

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

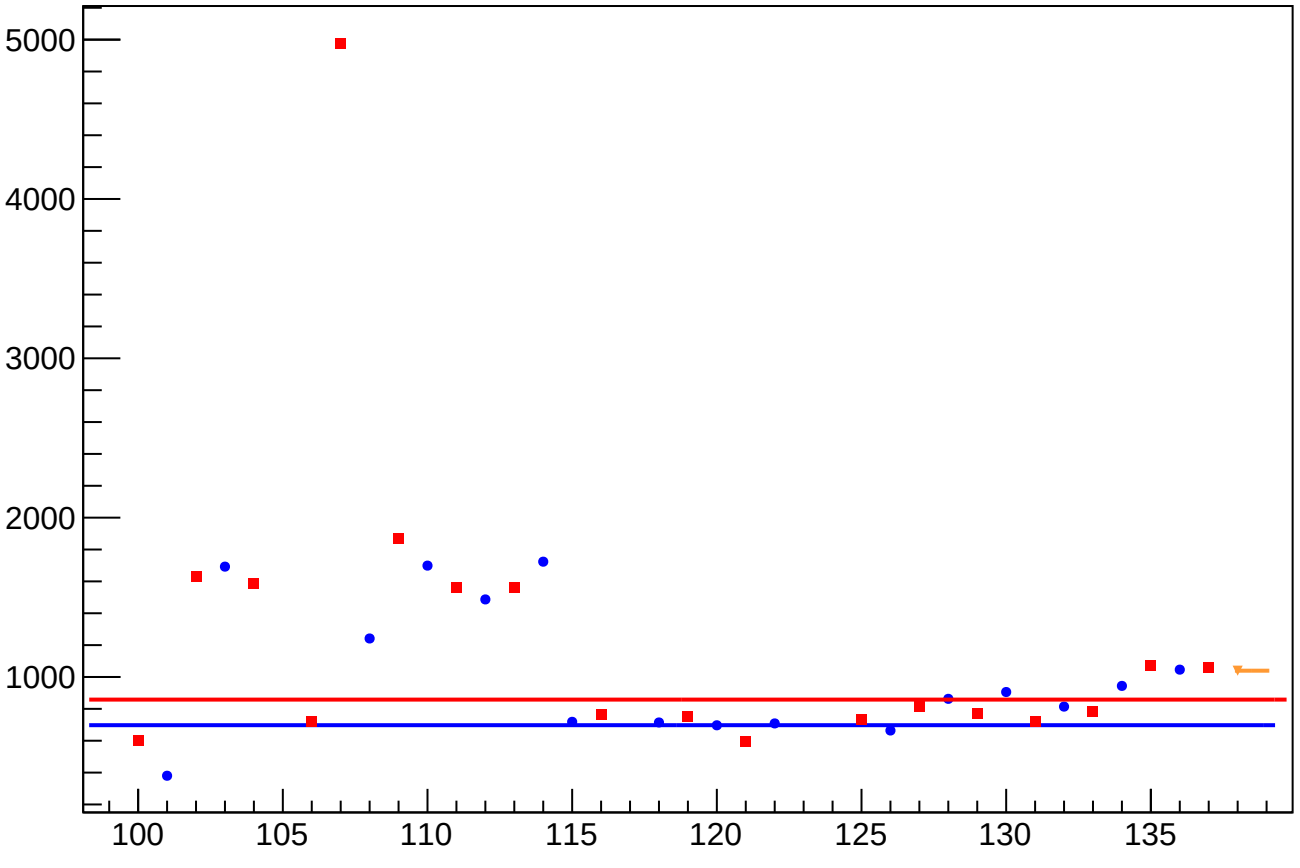
Left: 1030.513+/-1190.452 χ^2/NDF: 0.0/0

Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -368.707+/-286.576 χ^2/NDF:18.9/15

Out: 91.070+/-328.321 χ^2/NDF:19.7/18

All: -169.889+/-215.900 χ^2/NDF: 39.7/34



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1039.528+/-0.842 χ^2/NDF:0.0/0

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

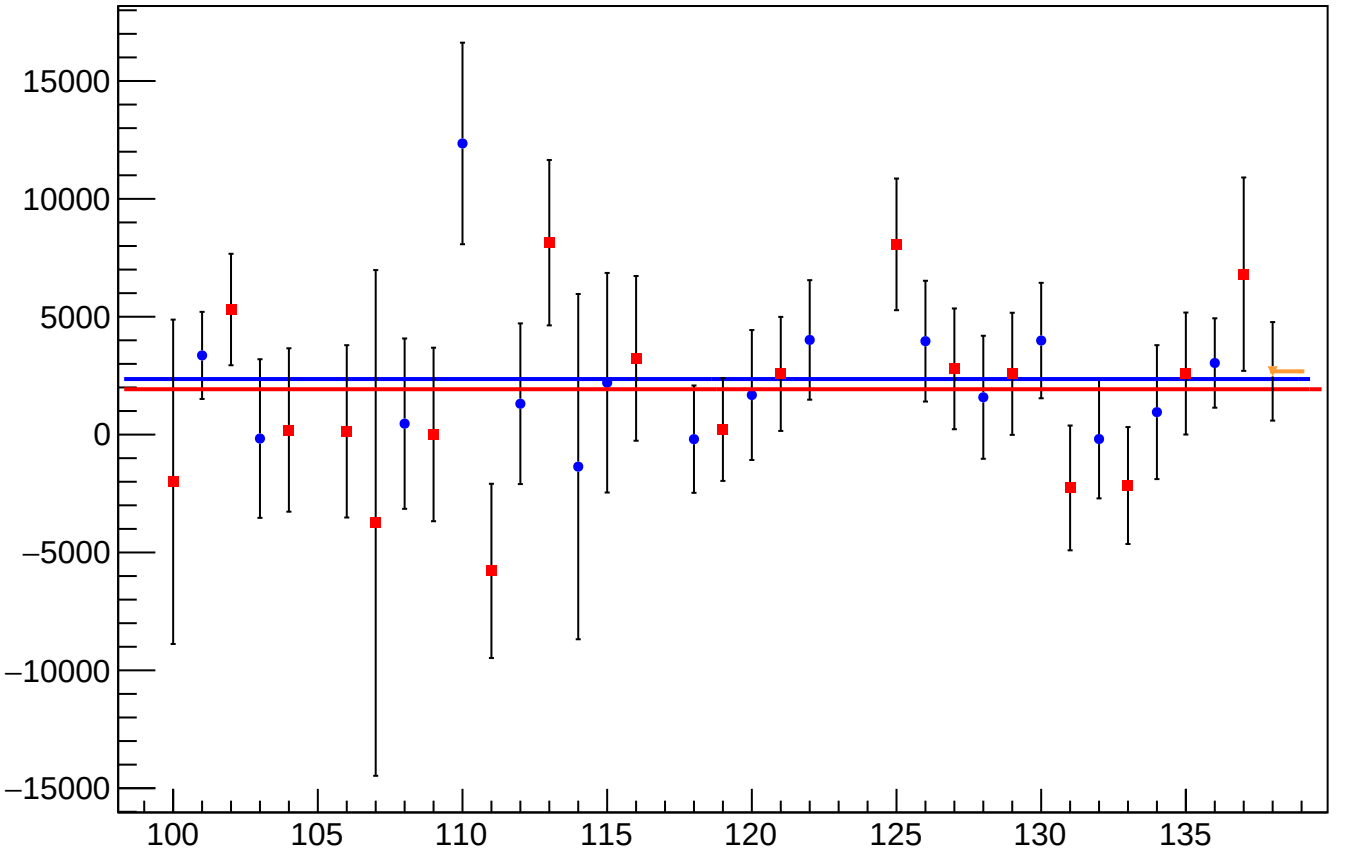
Left: 1039.528+/-0.842 χ^2/NDF: 0.0/0

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 697.517+/-0.203 χ^2/NDF:2435593.9/15

Out: 871.894+/-0.232 χ^2/NDF:1925096.9/18

All: 772.921+/-0.153 χ^2/NDF: 4680903.8/34



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 2683.909+/-2090.377 χ^2/NDF:0.0/0

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2683.909+/-2090.377 χ^2/NDF: 0.0/0

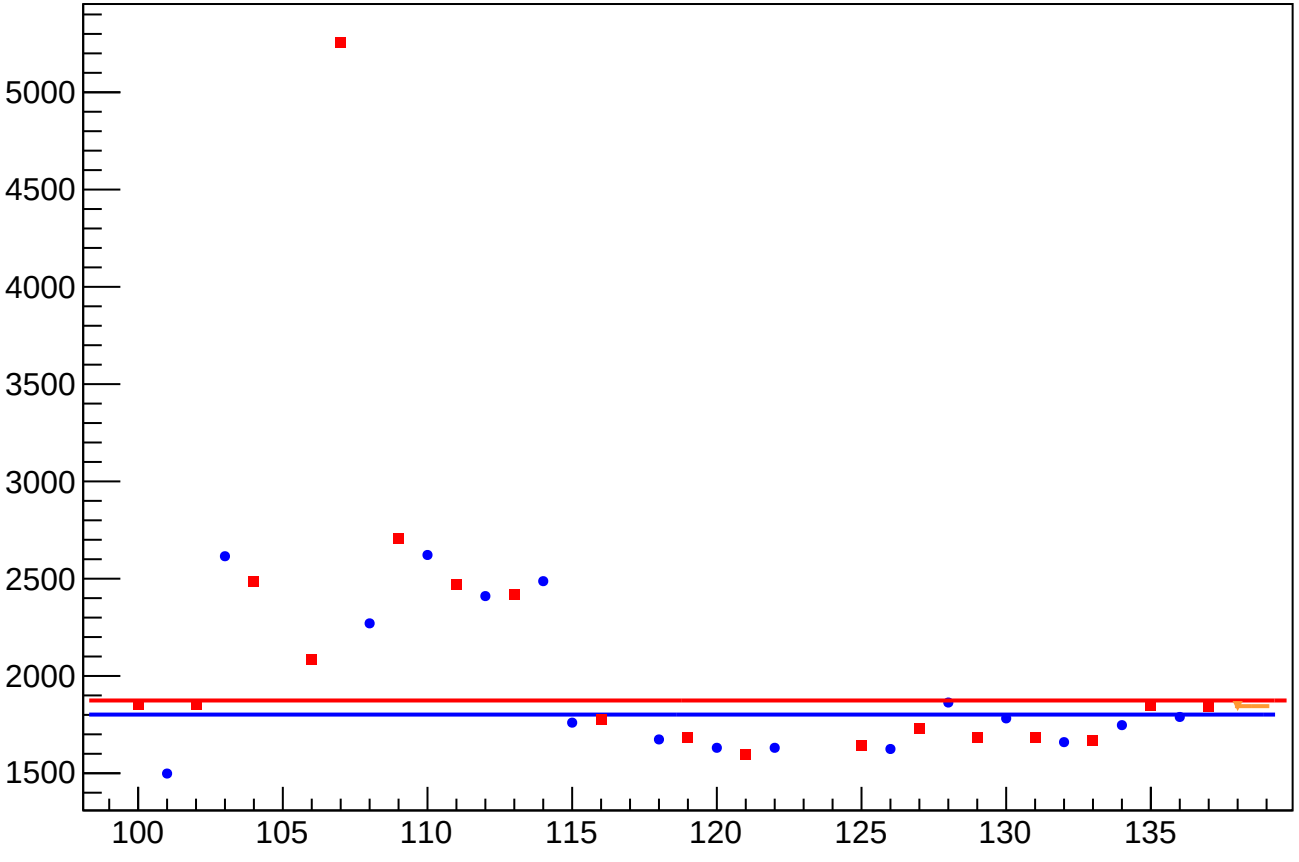
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 2356.998+/-678.944 χ^2/NDF:11.0/15

Out: 2002.705+/-669.569 χ^2/NDF:23.6/18

All: 2177.389+/-476.737 χ^2/NDF: 34.7/34

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1844.860+/-1.478 χ^2/NDF:0.0/0

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

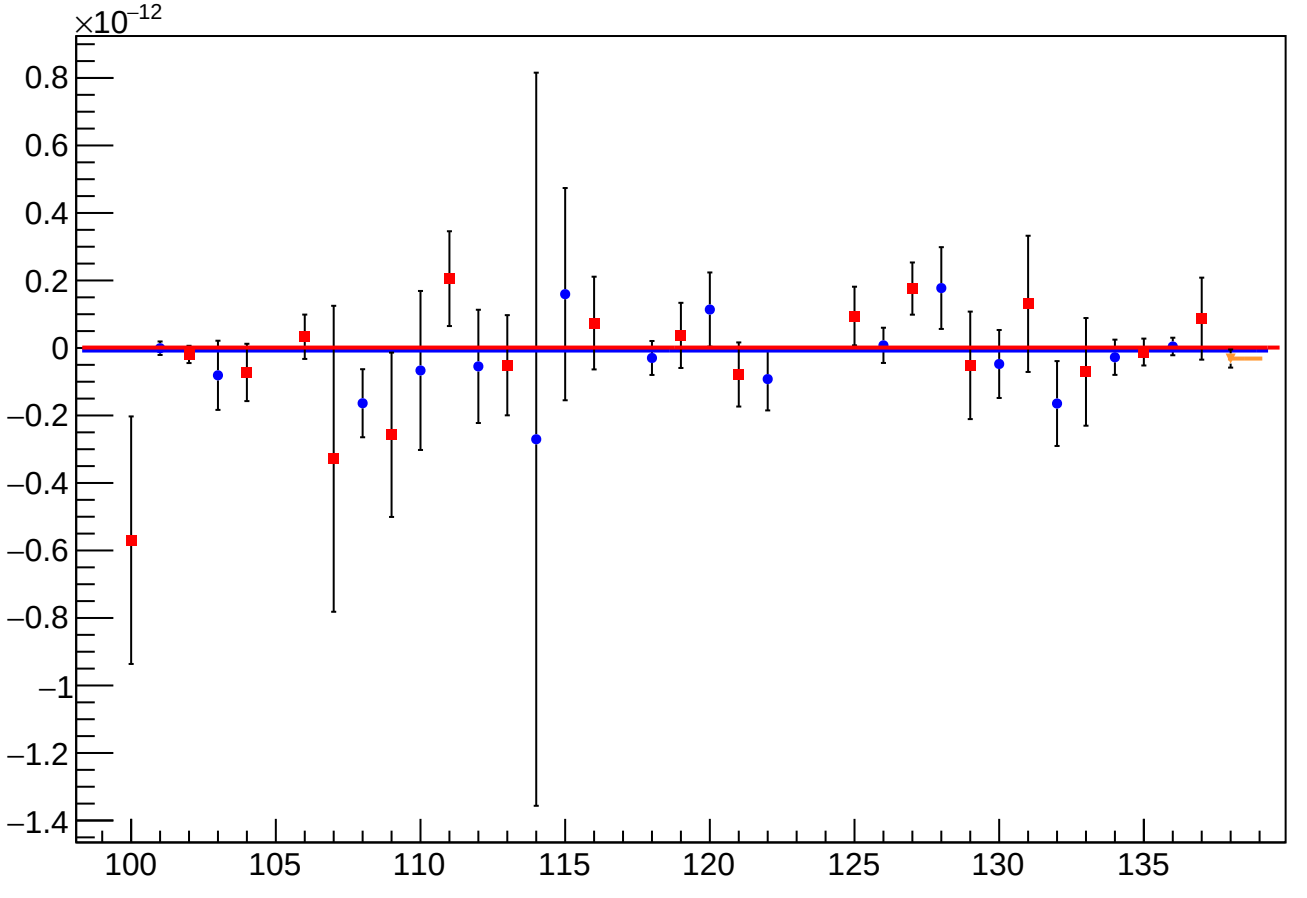
Left: 1844.860+/-1.478 χ^2/NDF: 0.0/0

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1801.529+/-0.480 χ^2/NDF:400702.5/15

Out: 1870.989+/-0.473 χ^2/NDF:570257.2/18

All: 1836.742+/-0.337 χ^2/NDF: 981571.8/34



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

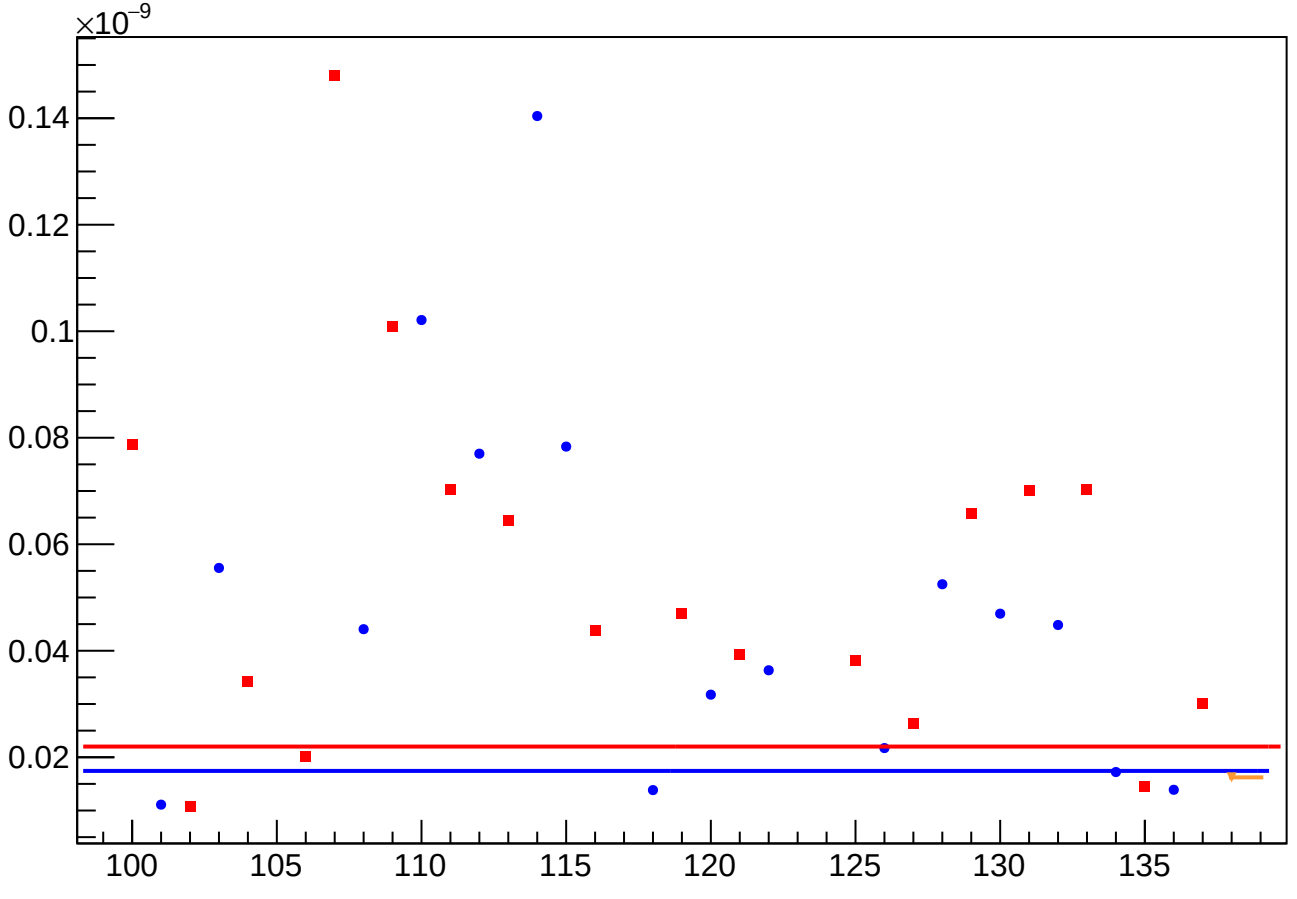
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:10.2/15

Out: -0.000+/-0.000 χ^2/NDF:17.7/18

All: -0.000+/-0.000 χ^2/NDF: 28.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

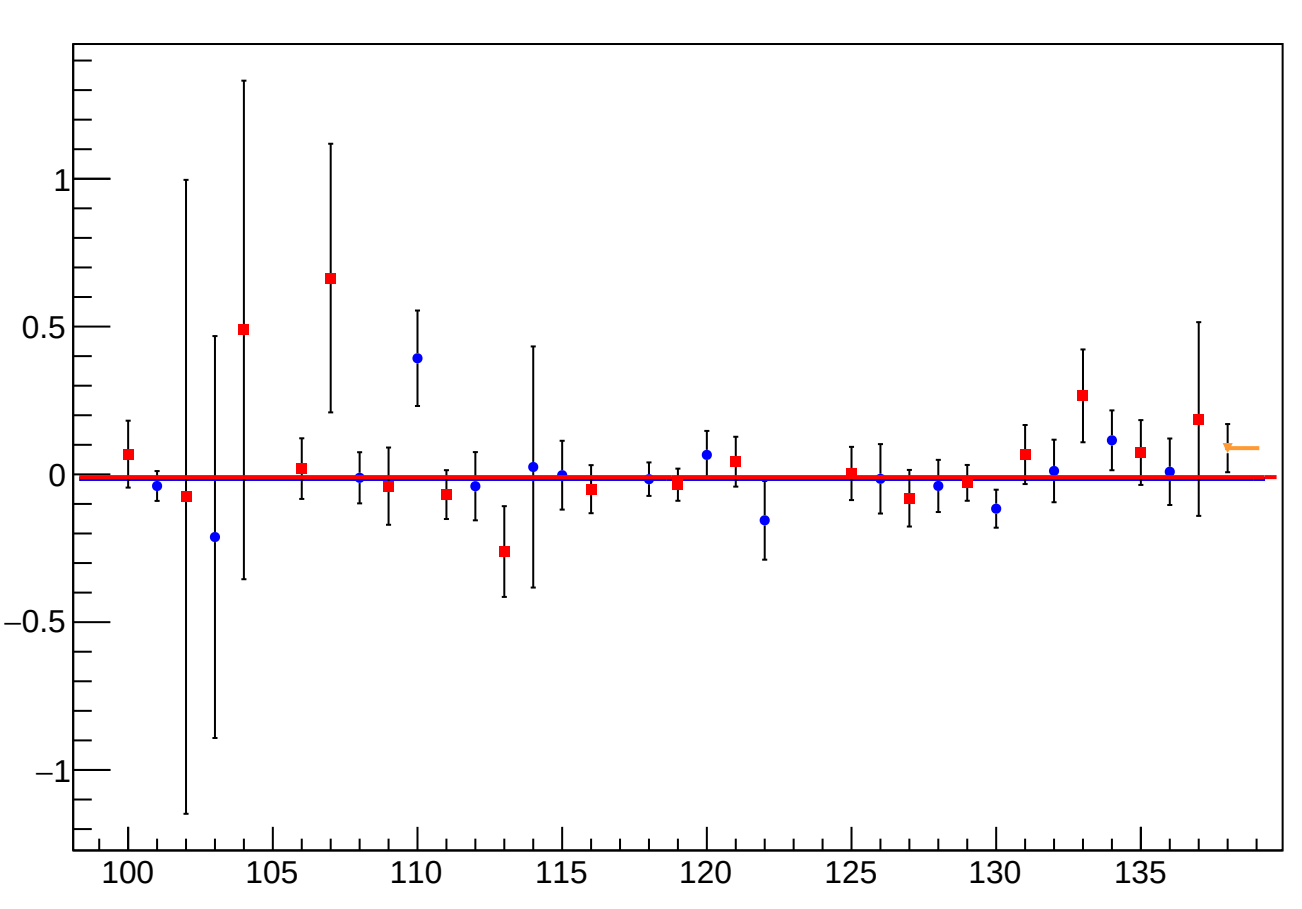
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:1840069.5/15

Out: 0.000+/-0.000 χ^2/NDF:2164626.7/18

All: 0.000+/-0.000 χ^2/NDF: 4048596.5/34



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.089+/-0.081 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

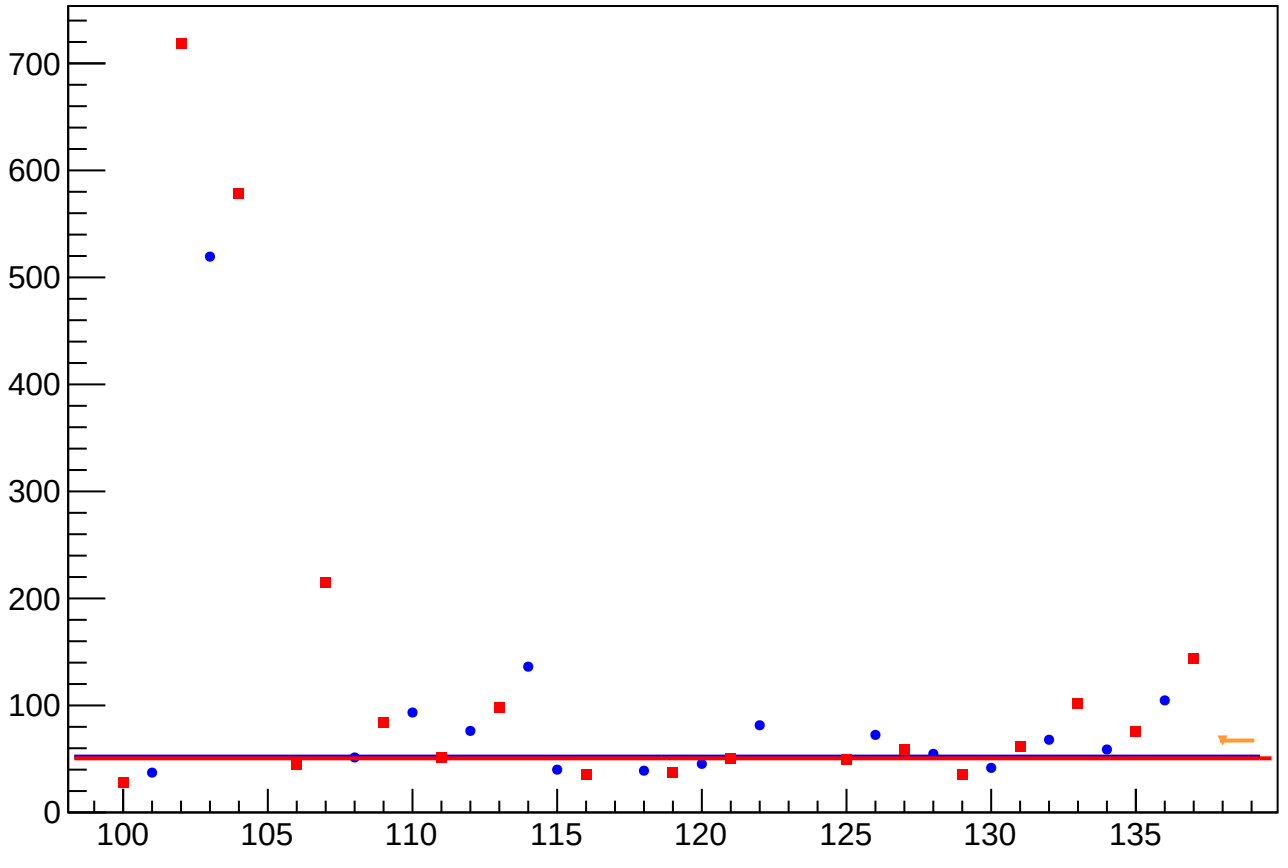
Left: 0.089+/-0.081 χ^2/NDF: 0.0/0

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.016+/-0.023 χ^2/NDF:13.2/15

Out: -0.002+/-0.023 χ^2/NDF:13.8/18

All: -0.009+/-0.016 χ^2/NDF: 27.2/34



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 67.215+/-0.058 χ^2/NDF:0.0/0

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

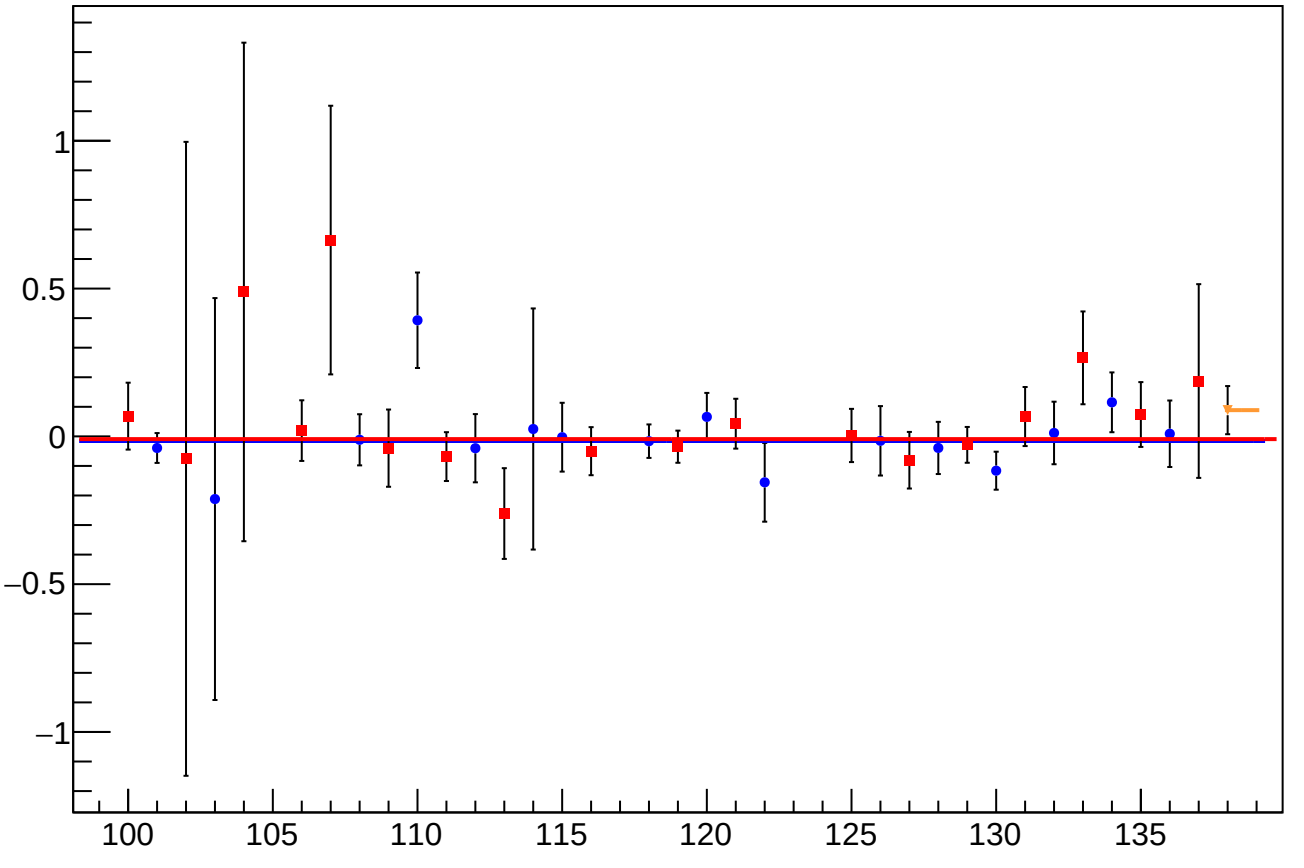
Left: 67.215+/-0.058 χ^2/NDF: 0.0/0

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 52.191+/-0.016 χ^2/NDF:2266928.1/15

Out: 51.869+/-0.016 χ^2/NDF:3128290.1/18

All: 52.030+/-0.011 χ^2/NDF: 5395419.5/34



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.089+/-0.081 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

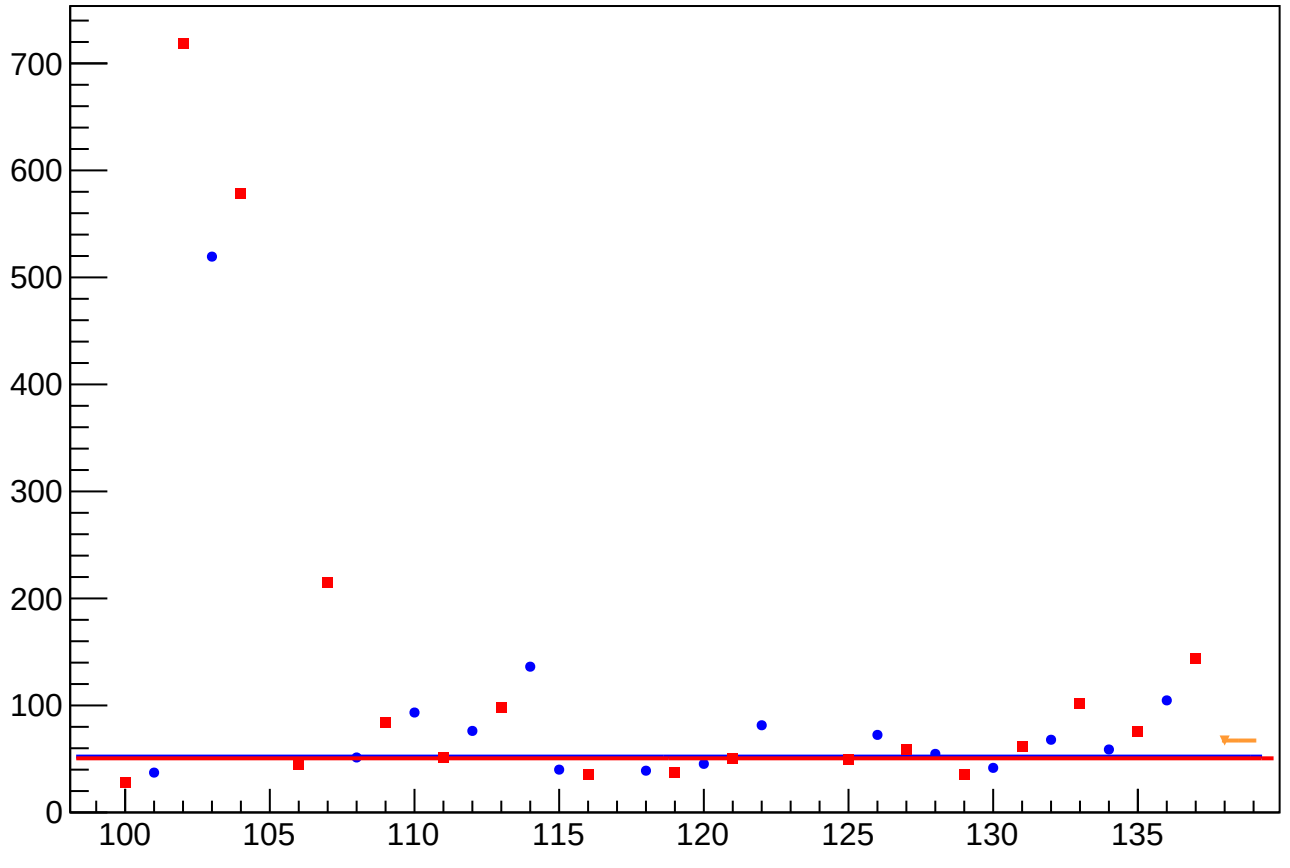
Left: 0.089+/-0.081 χ^2/NDF: 0.0/0

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.016+/-0.023 χ^2/NDF:13.2/15

Out: -0.002+/-0.023 χ^2/NDF:13.8/18

All: -0.009+/-0.016 χ^2/NDF: 27.2/34



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 67.215+/-0.058 χ^2/NDF:0.0/0

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

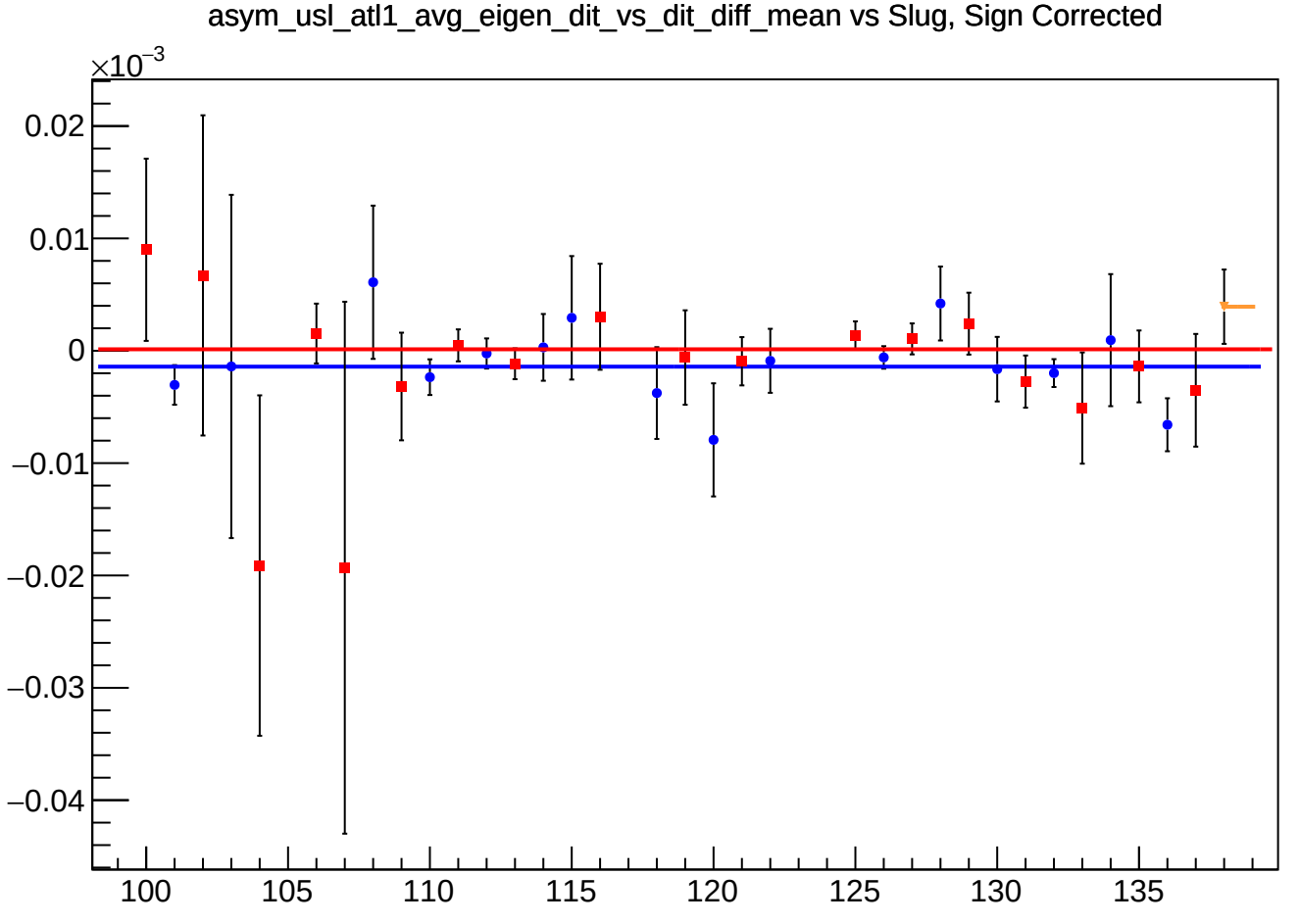
Left: 67.215+/-0.058 χ^2/NDF: 0.0/0

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 52.191+/-0.016 χ^2/NDF:2266928.1/15

Out: 51.869+/-0.016 χ^2/NDF:3128290.1/18

All: 52.030+/-0.011 χ^2/NDF: 5395419.5/34



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

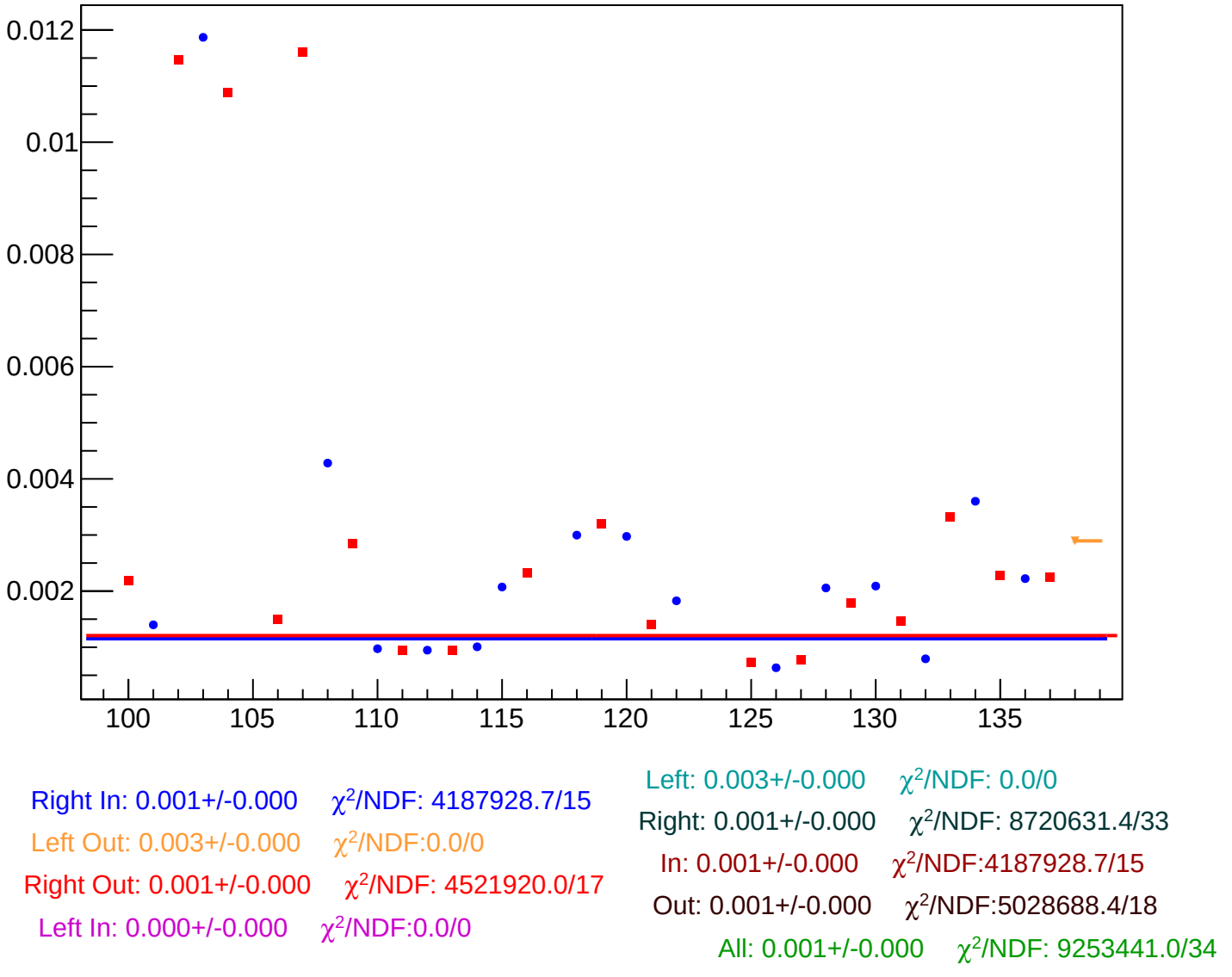
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

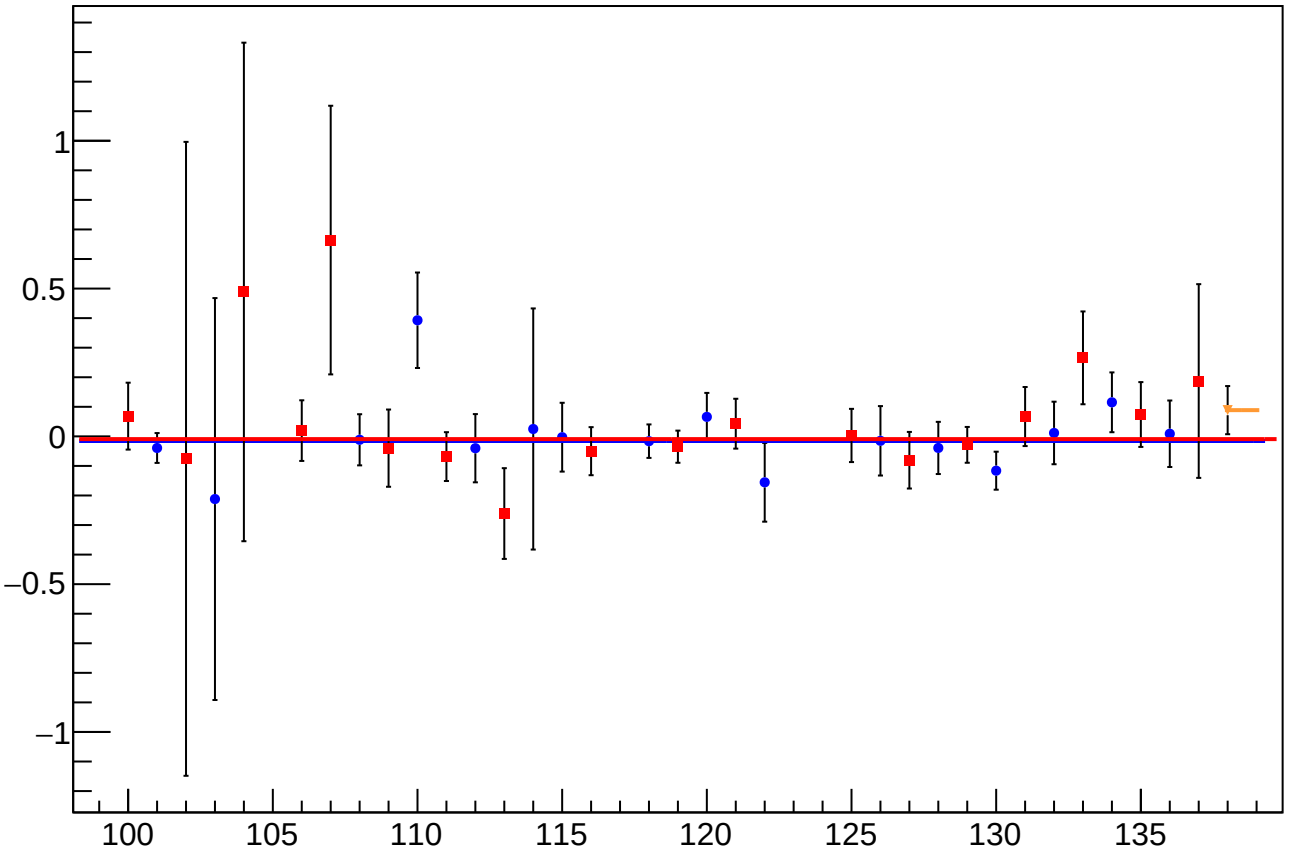
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:15.0/15

Out: 0.000+/-0.000 χ^2/NDF:12.9/18

All: -0.000+/-0.000 χ^2/NDF: 32.6/34


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.012
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
Right In: 0.001+/-0.000 χ²/NDF: 4187928.7/15
Left Out: 0.003+/-0.000 χ²/NDF:0.0/0
Right Out: 0.001+/-0.000 χ²/NDF: 4521920.0/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.003+/-0.000 χ²/NDF: 0.0/0
Right: 0.001+/-0.000 χ²/NDF: 8720631.4/33
In: 0.001+/-0.000 χ²/NDF:4187928.7/15
Out: 0.001+/-0.000 χ²/NDF:5028688.4/18
All: 0.001+/-0.000 χ²/NDF: 9253441.0/34



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.089+/-0.081 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.089+/-0.081 χ^2/NDF: 0.0/0

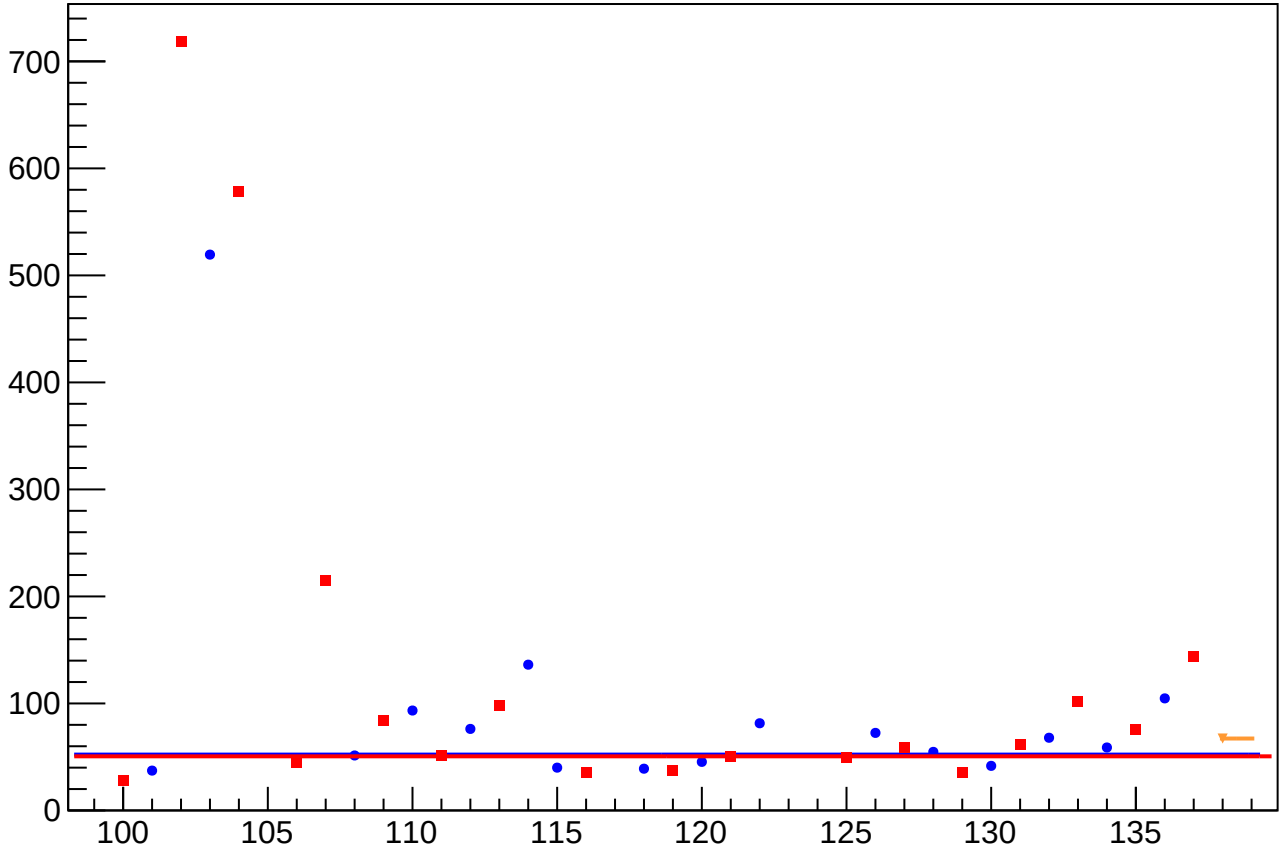
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.016+/-0.023 χ^2/NDF:13.2/15

Out: -0.002+/-0.023 χ^2/NDF:13.8/18

All: -0.009+/-0.016 χ^2/NDF: 27.2/34

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: 67.214+/-0.058 χ^2/NDF:0.0/0

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

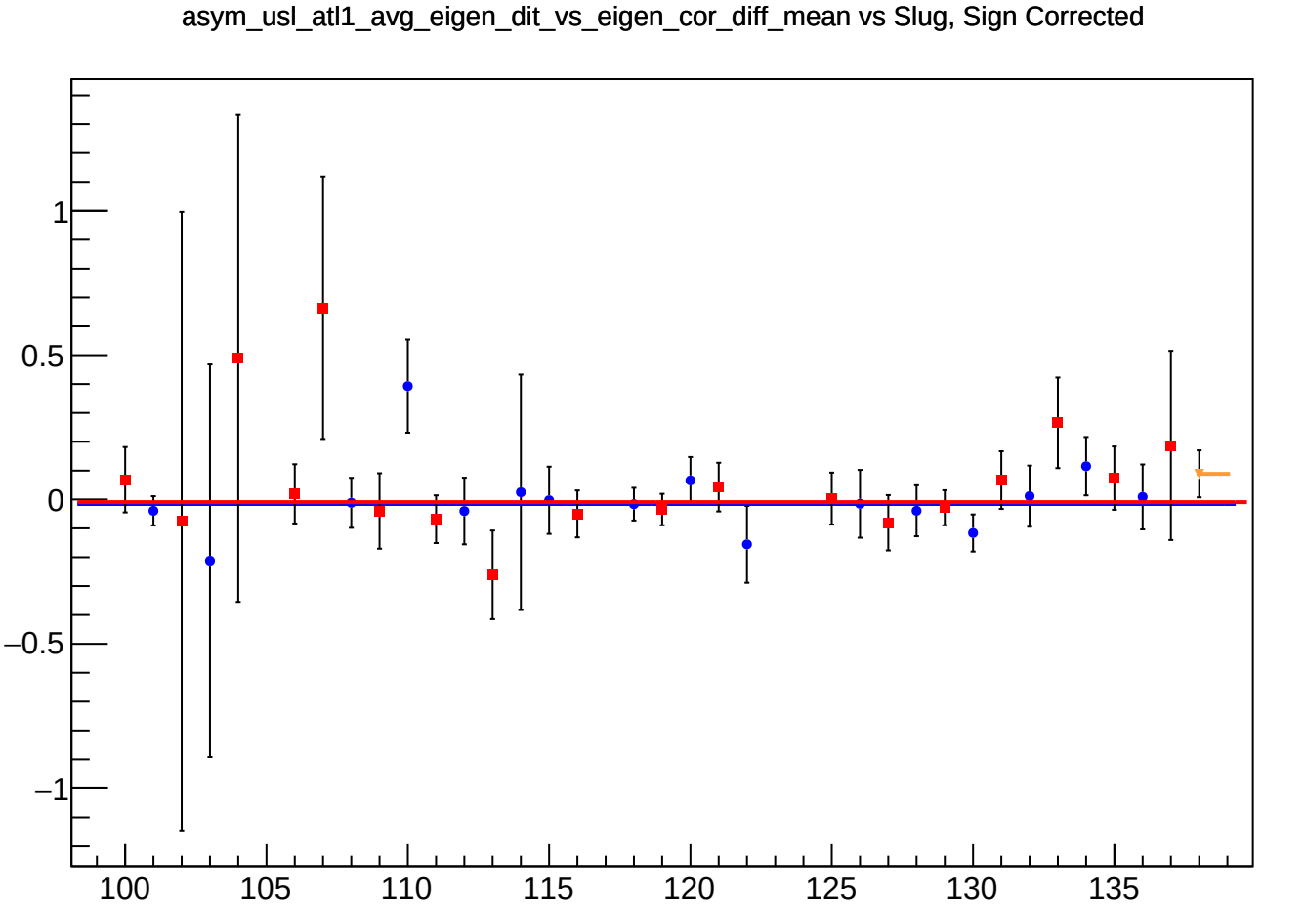
Left: 67.214+/-0.058 χ^2/NDF: 0.0/0

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 52.191+/-0.016 χ^2/NDF:2266922.0/15

Out: 51.869+/-0.016 χ^2/NDF:3128274.4/18

All: 52.030+/-0.011 χ^2/NDF: 5395397.8/34



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.089+/-0.081 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

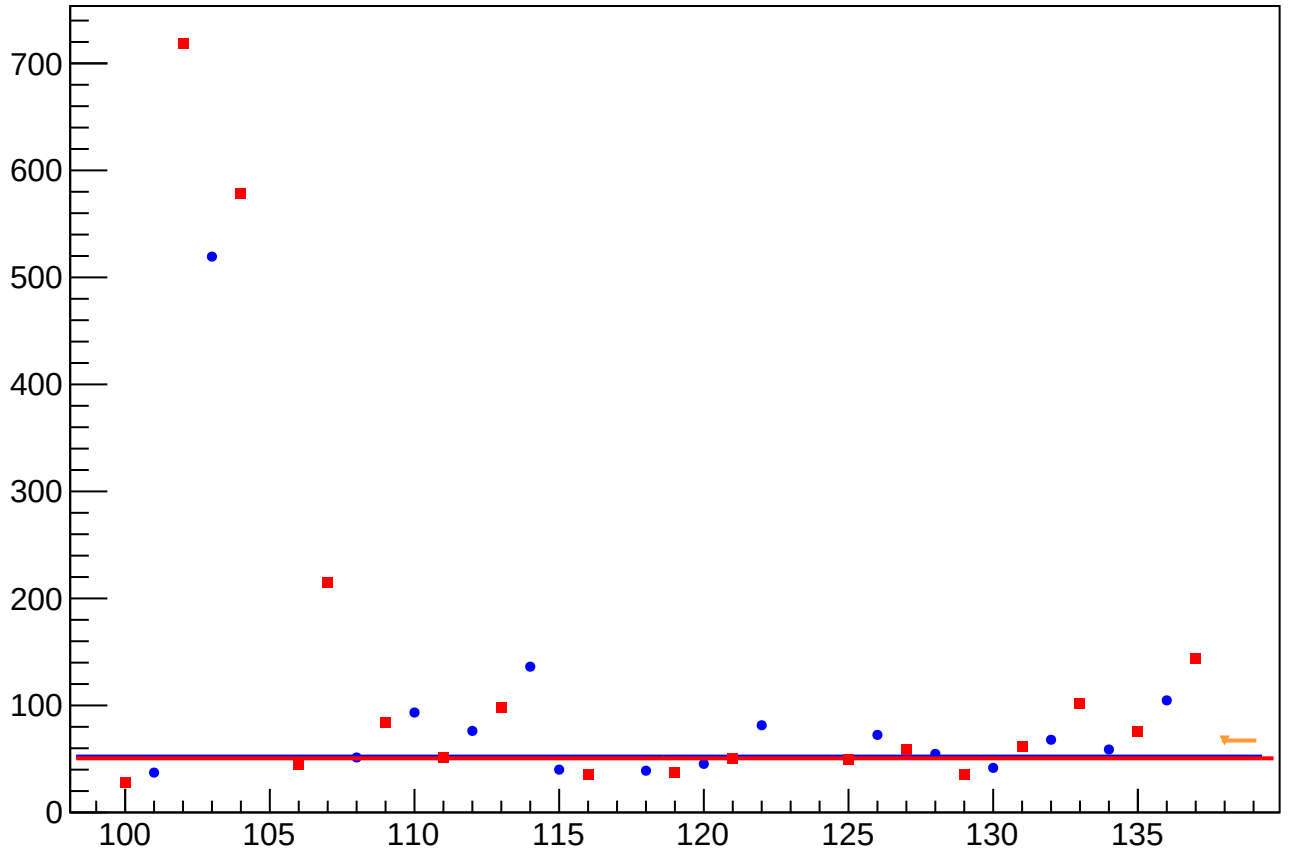
Left: 0.089+/-0.081 χ^2/NDF: 0.0/0

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.016+/-0.023 χ^2/NDF:13.2/15

Out: -0.002+/-0.023 χ^2/NDF:13.8/18

All: -0.009+/-0.016 χ^2/NDF: 27.2/34



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 67.214+/-0.058 χ^2/NDF:0.0/0

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

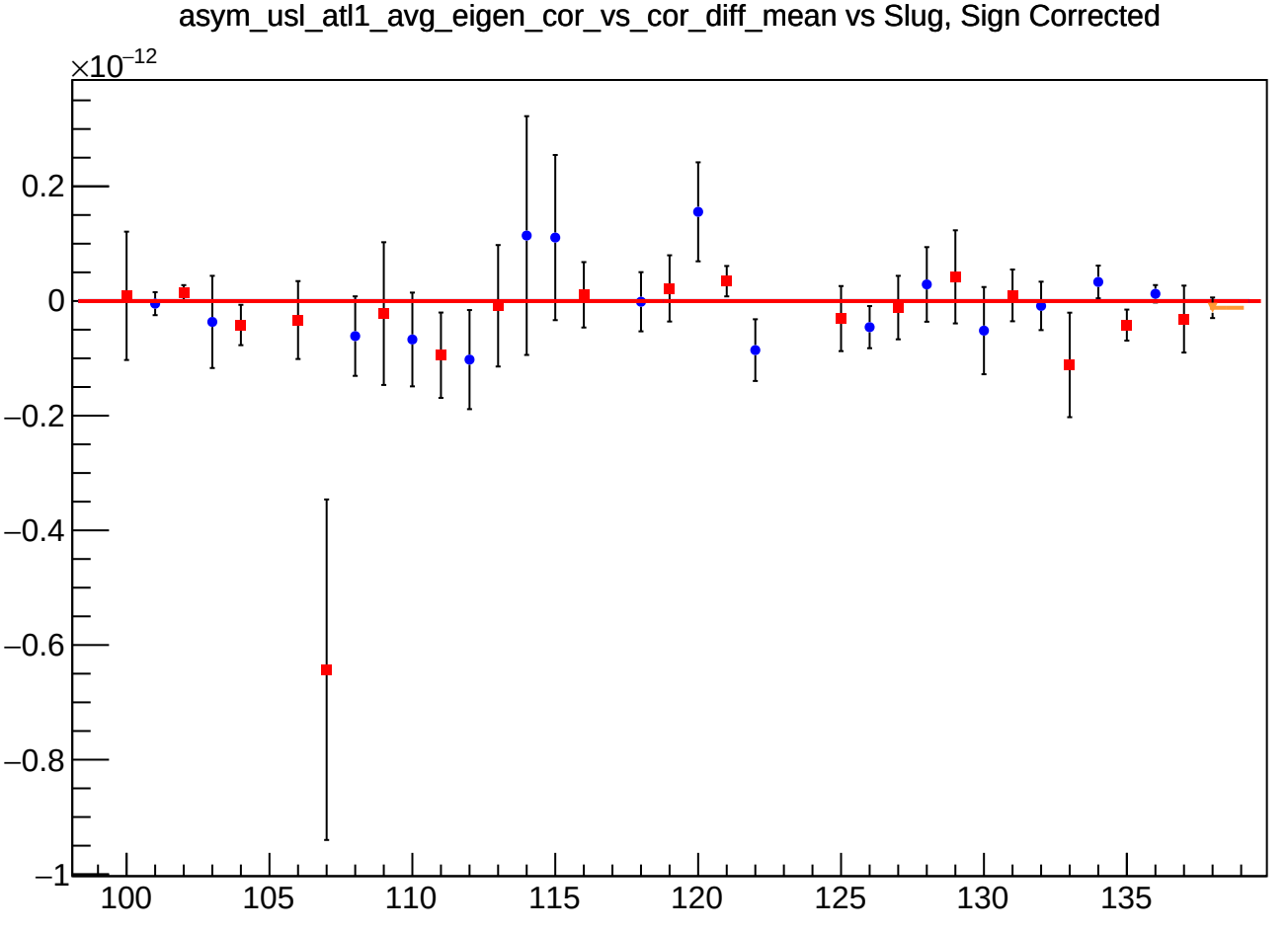
Left: 67.214+/-0.058 χ^2/NDF: 0.0/0

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 52.191+/-0.016 χ^2/NDF:2266922.0/15

Out: 51.869+/-0.016 χ^2/NDF:3128274.4/18

All: 52.030+/-0.011 χ^2/NDF: 5395397.8/34



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

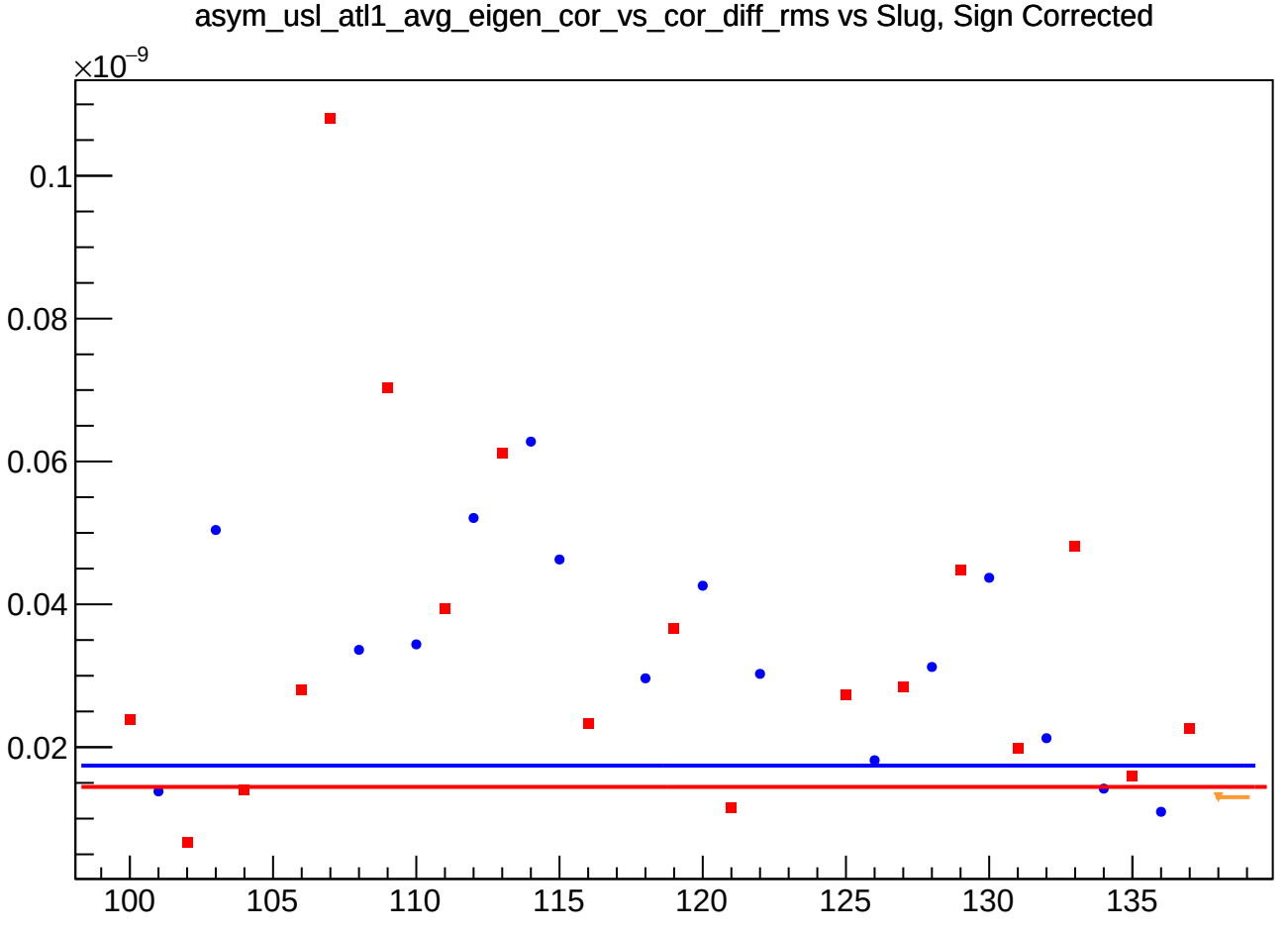
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:14.1/15

Out: -0.000+/-0.000 χ^2/NDF:16.4/18

All: -0.000+/-0.000 χ^2/NDF: 30.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

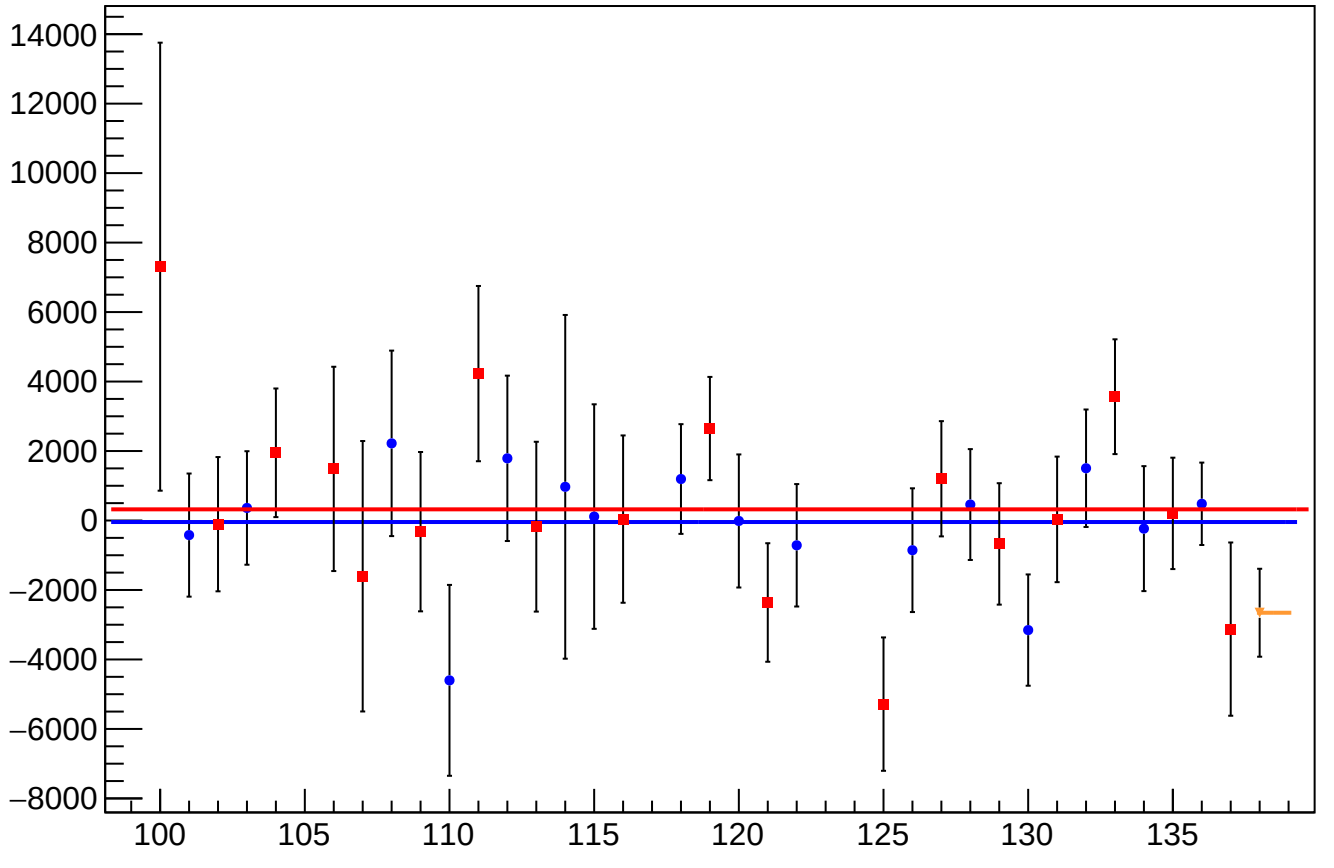
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:2224531.4/15

Out: 0.000+/-0.000 χ^2/NDF:3271375.9/18

All: 0.000+/-0.000 χ^2/NDF: 5636378.2/34



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -2655.139+/-1265.822 χ^2/NDF:0.0/0

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -2655.139+/-1265.822 χ^2/NDF: 0.0/0

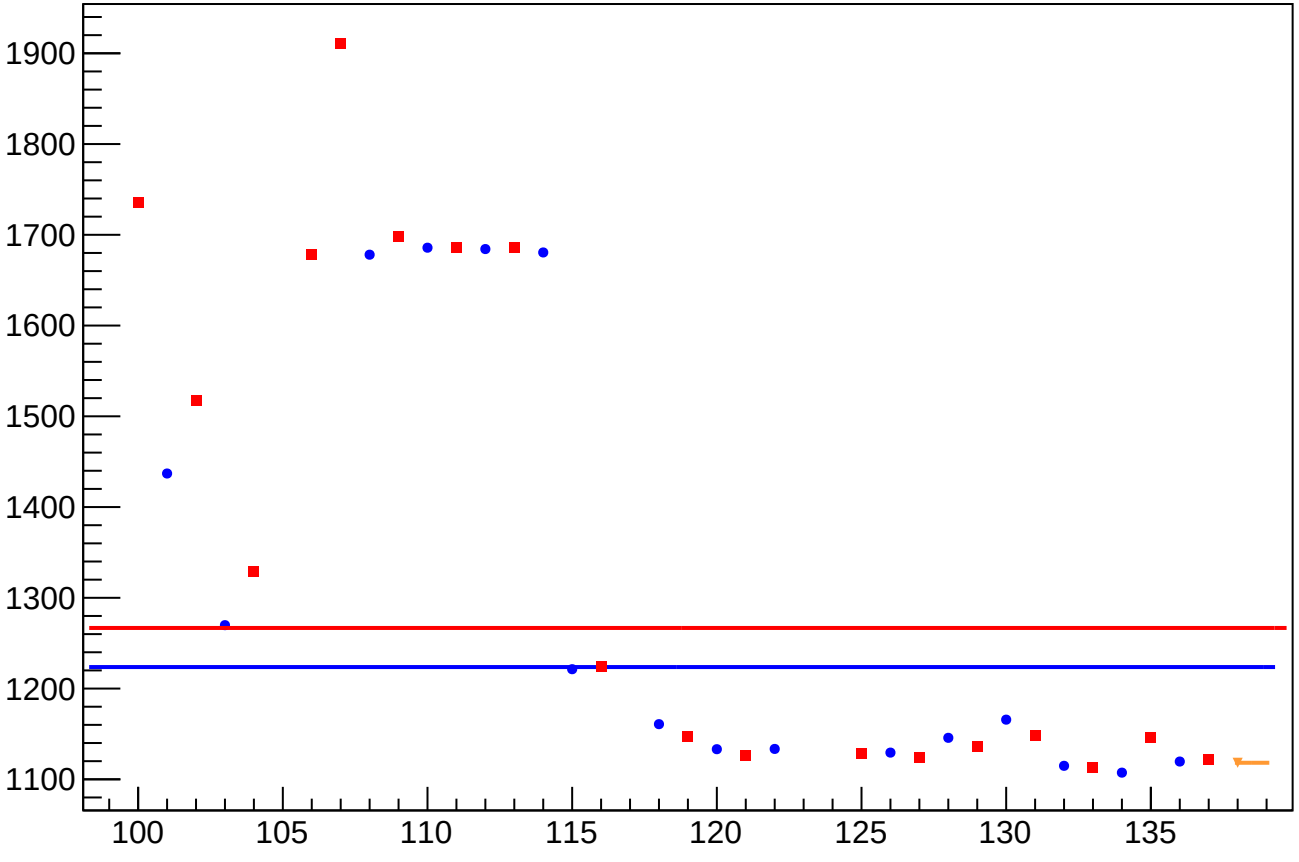
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -43.681+/-459.222 χ^2/NDF:10.1/15

Out: -46.035+/-444.670 χ^2/NDF:29.6/18

All: -44.896+/-319.450 χ^2/NDF: 39.7/34

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1118.242+/-0.895 χ^2/NDF:0.0/0

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

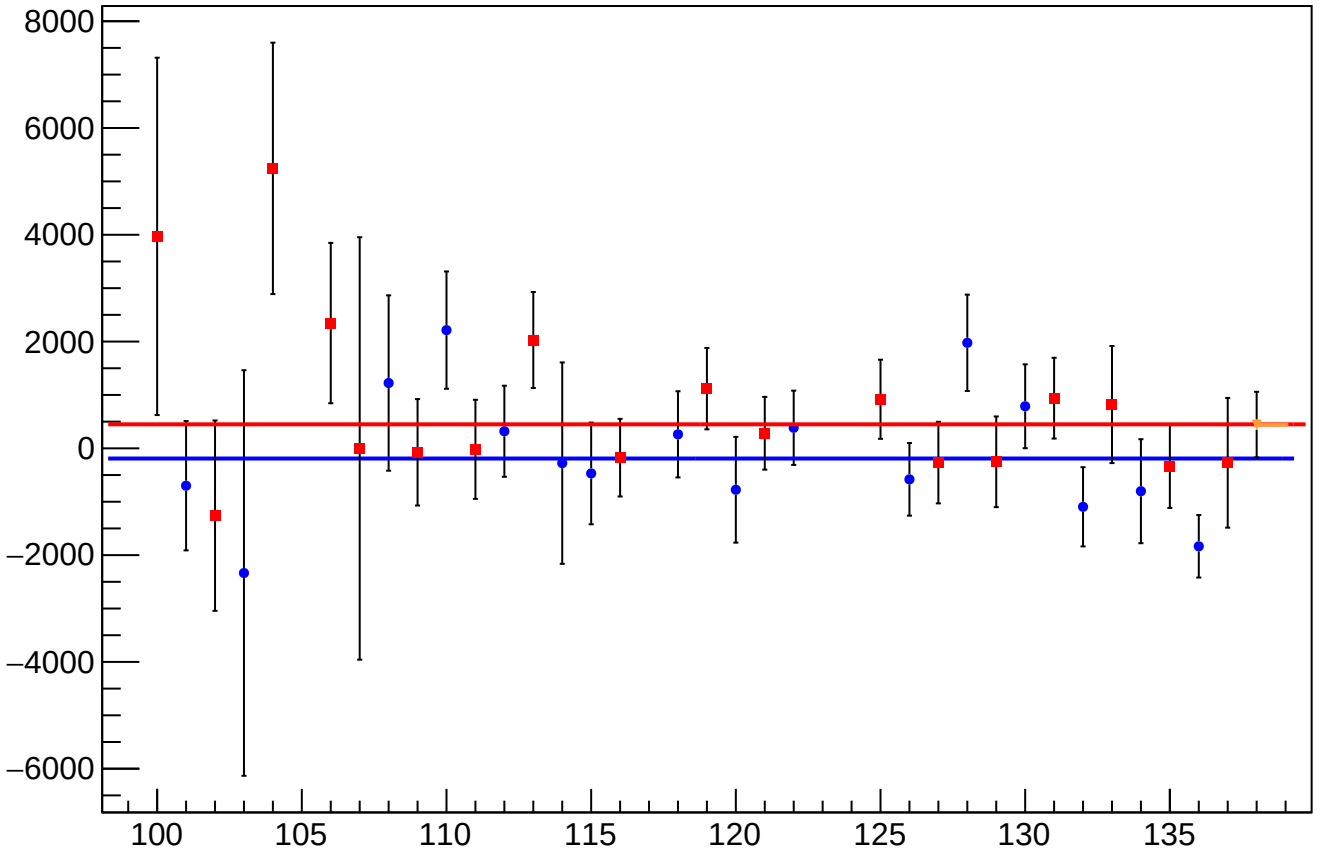
Left: 1118.242+/-0.895 χ^2/NDF: 0.0/0

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1223.705+/-0.325 χ^2/NDF:294966.1/15

Out: 1248.449+/-0.314 χ^2/NDF:456986.7/18

All: 1236.476+/-0.226 χ^2/NDF: 754949.6/34



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: 444.350+/-615.019 χ^2/NDF:0.0/0

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

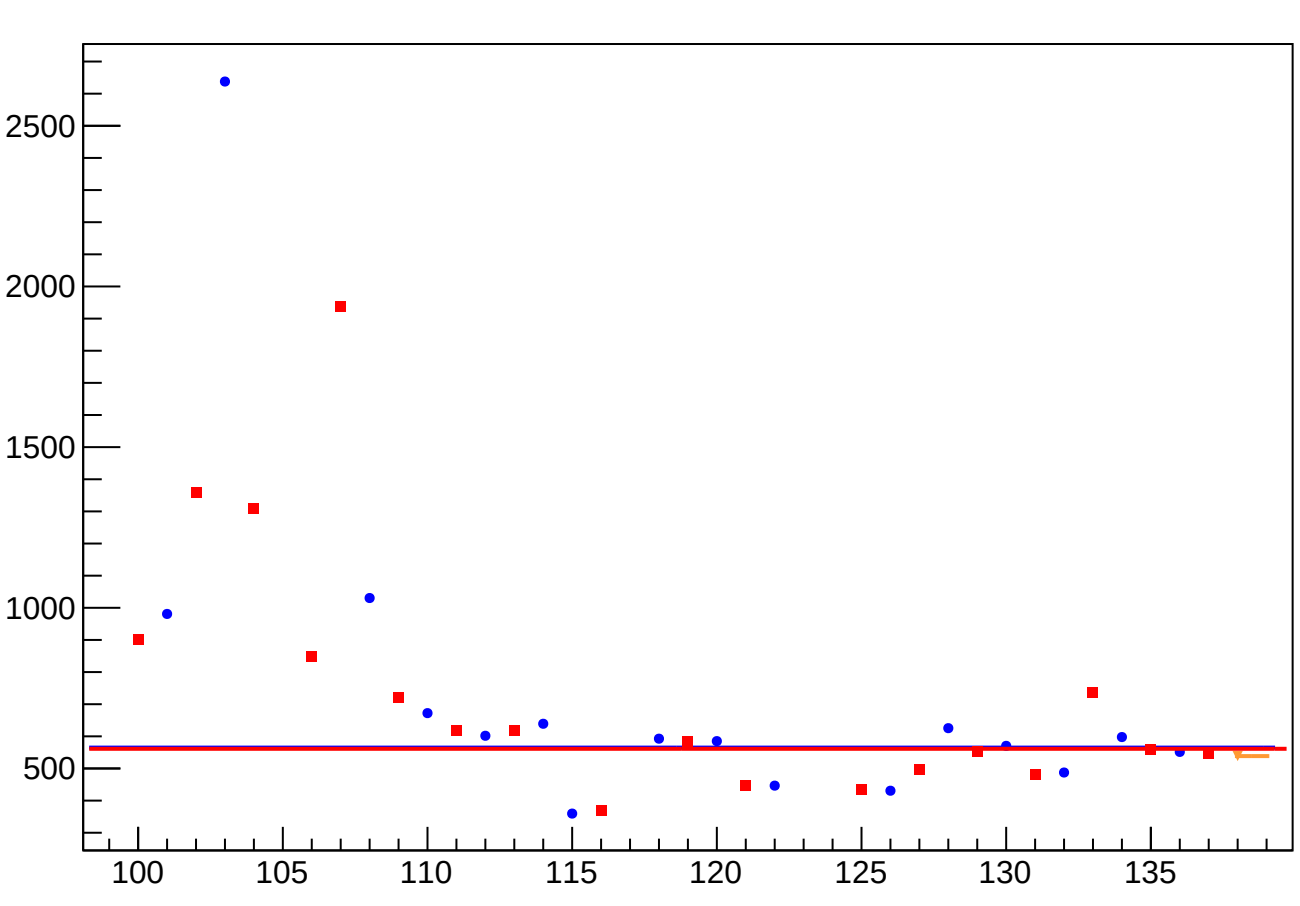
Left: 444.350+/-615.019 χ^2/NDF: 0.0/0

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: -190.634+/-222.869 χ^2/NDF:25.2/15

Out: 449.208+/-209.813 χ^2/NDF:16.8/18

All: 148.576+/-152.767 χ^2/NDF: 46.4/34



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 538.513+/-0.435 χ^2/NDF:0.0/0

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

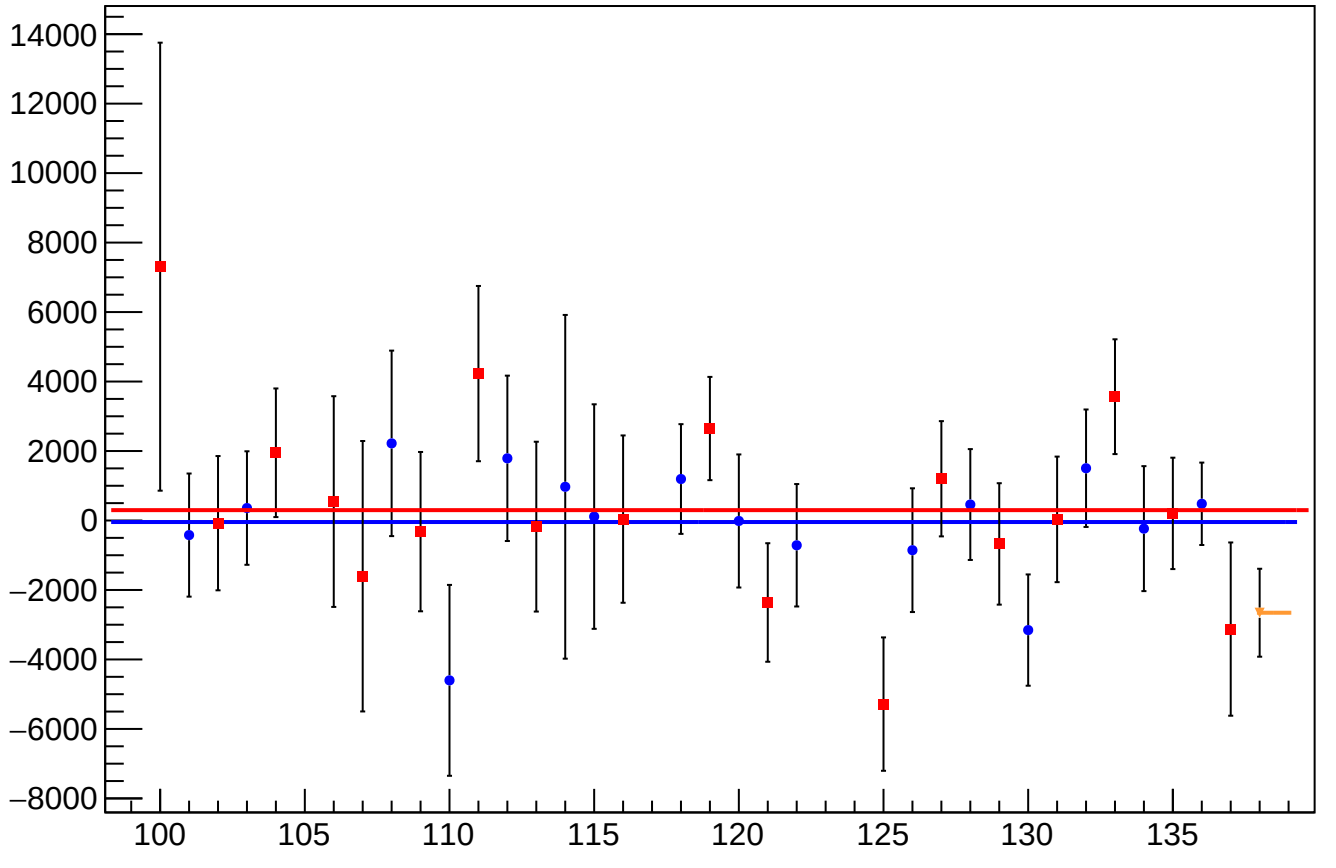
Left: 538.513+/-0.435 χ^2/NDF: 0.0/0

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 564.959+/-0.158 χ^2/NDF:1284478.9/15

Out: 558.598+/-0.148 χ^2/NDF:1354653.3/18

All: 561.587+/-0.108 χ^2/NDF: 2639995.8/34



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -2655.122+/-1265.822 χ^2/NDF:0.0/0

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -2655.122+/-1265.822 χ^2/NDF: 0.0/0

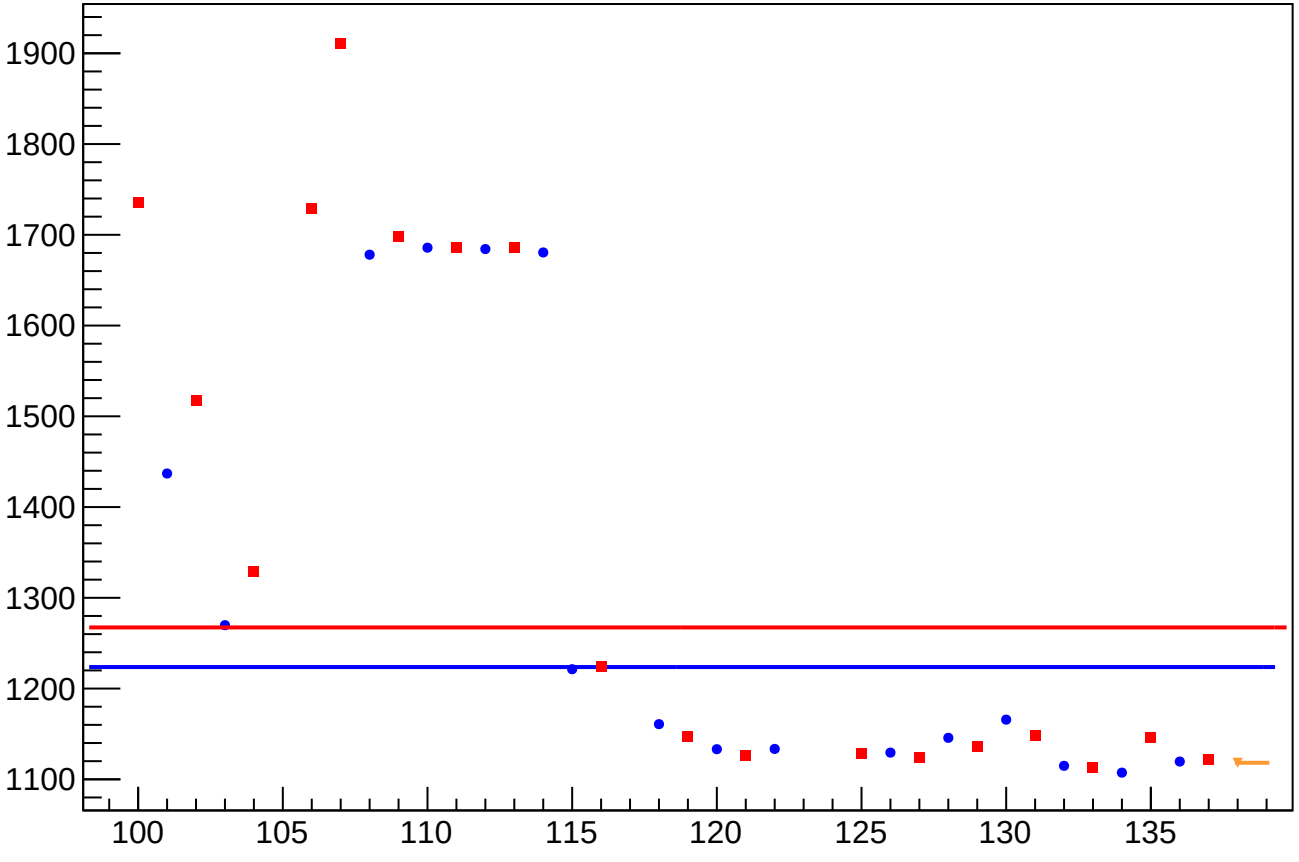
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -43.923+/-459.222 χ^2/NDF:10.1/15

Out: -66.751+/-444.978 χ^2/NDF:29.4/18

All: -55.696+/-319.564 χ^2/NDF: 39.5/34

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1118.242+/-0.895 χ^2/NDF:0.0/0

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1118.242+/-0.895 χ^2/NDF: 0.0/0

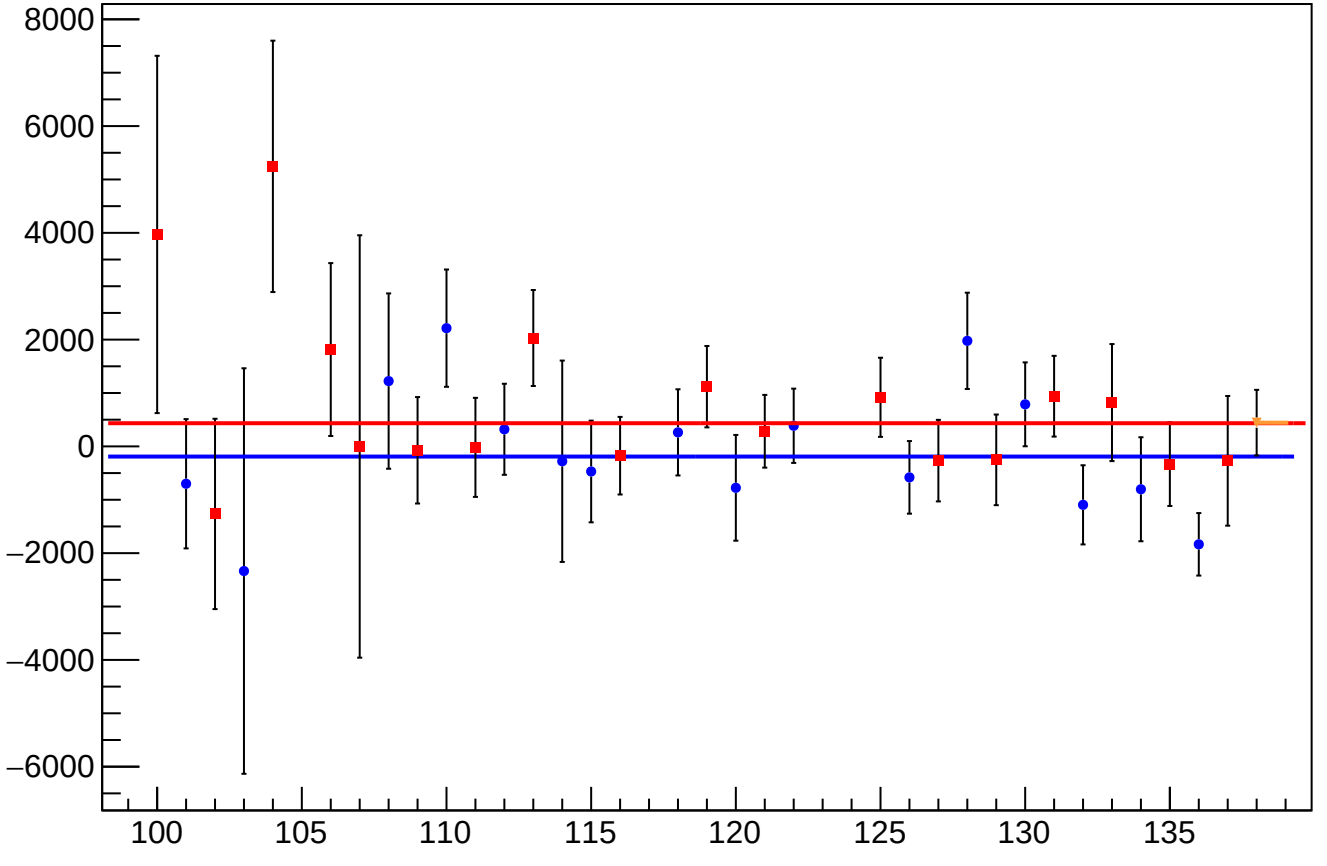
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1223.705+/-0.325 χ^2/NDF:294966.1/15

Out: 1248.935+/-0.315 χ^2/NDF:464308.9/18

All: 1236.718+/-0.226 χ^2/NDF: 762388.7/34

asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: 444.161+/-615.006 χ^2/NDF:0.0/0

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

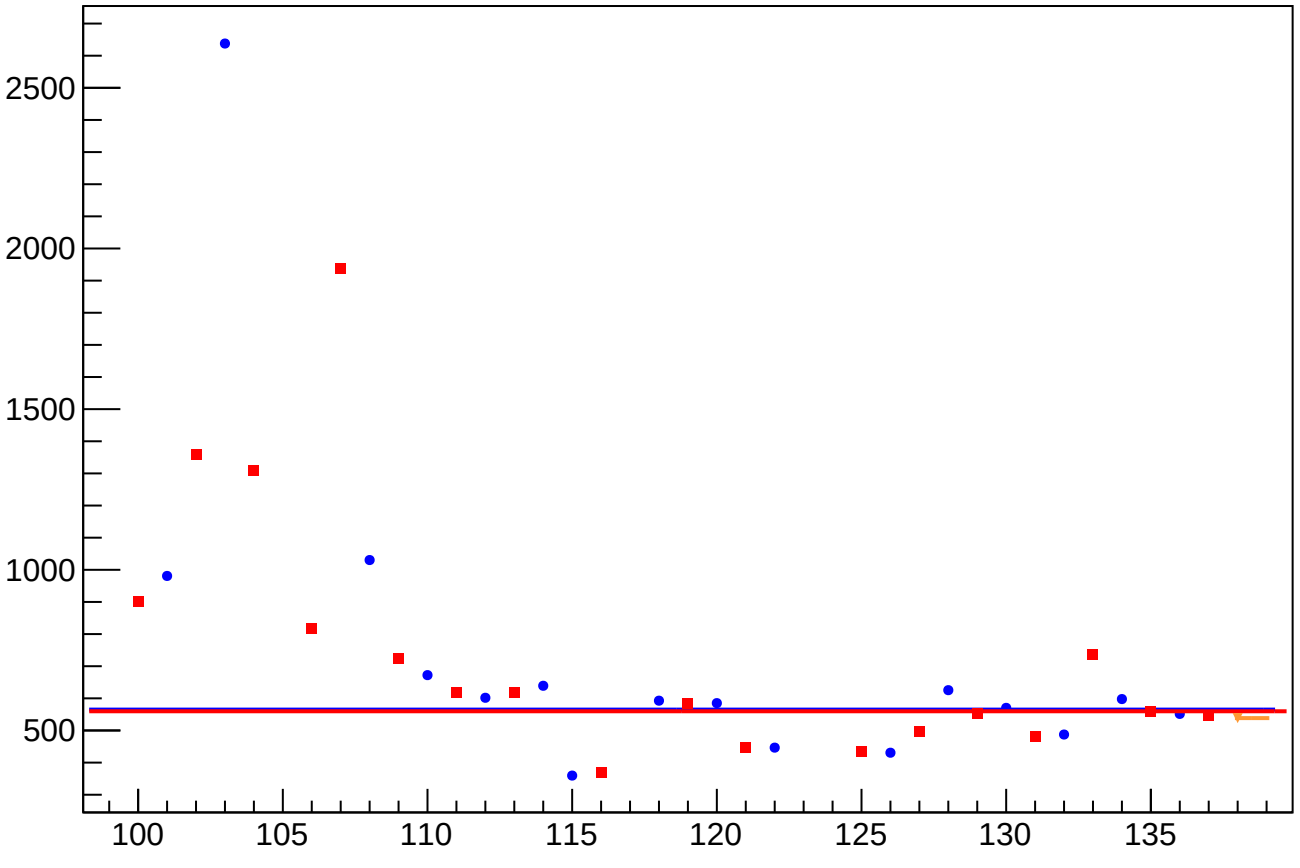
Left: 444.161+/-615.006 χ^2/NDF: 0.0/0

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -190.645+/-222.867 χ^2/NDF:25.3/15

Out: 435.078+/-210.098 χ^2/NDF:15.9/18

All: 140.654+/-152.877 χ^2/NDF: 45.4/34



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 538.499+/-0.435 χ^2/NDF:0.0/0

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

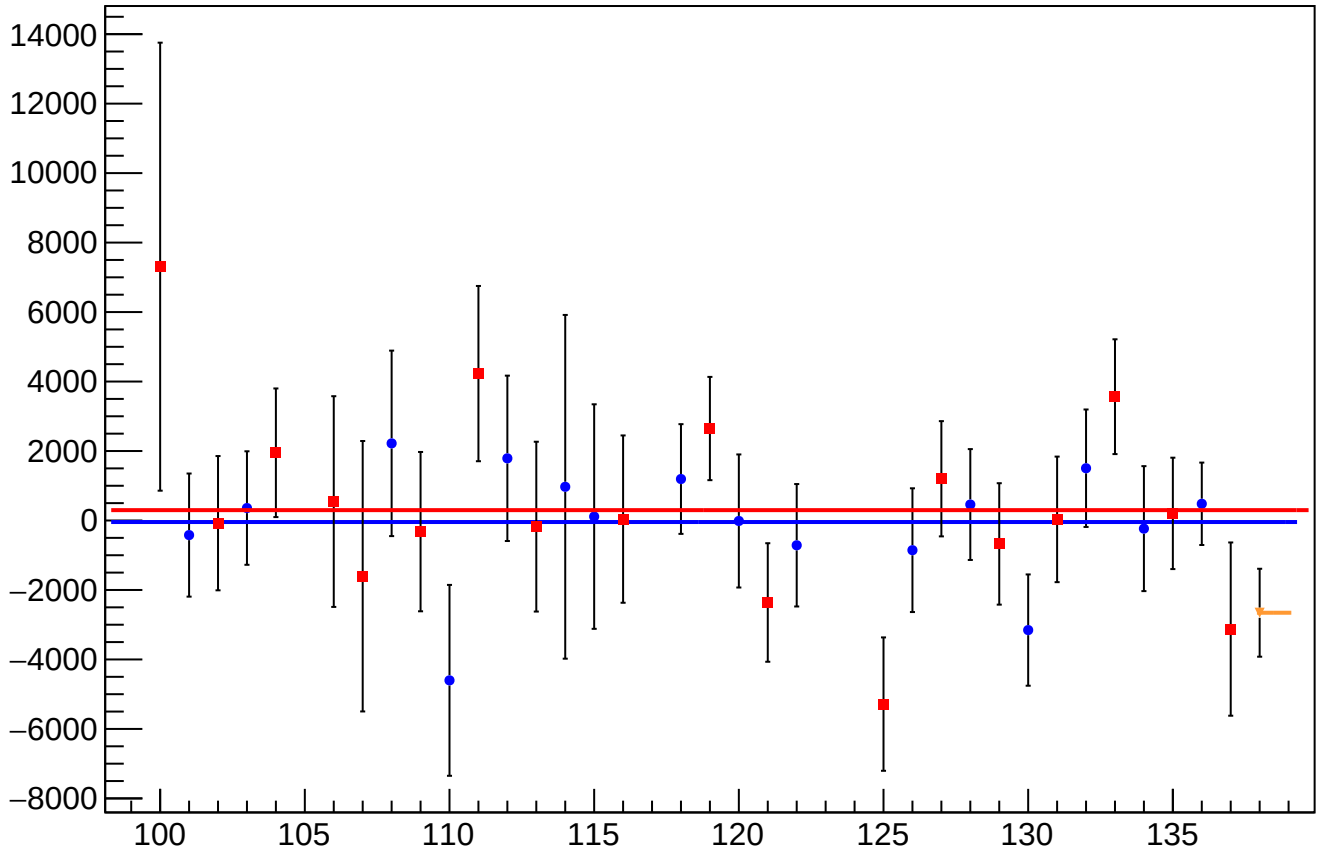
Left: 538.499+/-0.435 χ^2/NDF: 0.0/0

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 564.954+/-0.158 χ^2/NDF:1284455.7/15

Out: 557.277+/-0.149 χ^2/NDF:1331468.0/18

All: 560.889+/-0.108 χ^2/NDF: 2617180.4/34



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -2655.122+/-1265.822 χ^2/NDF:0.0/0

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

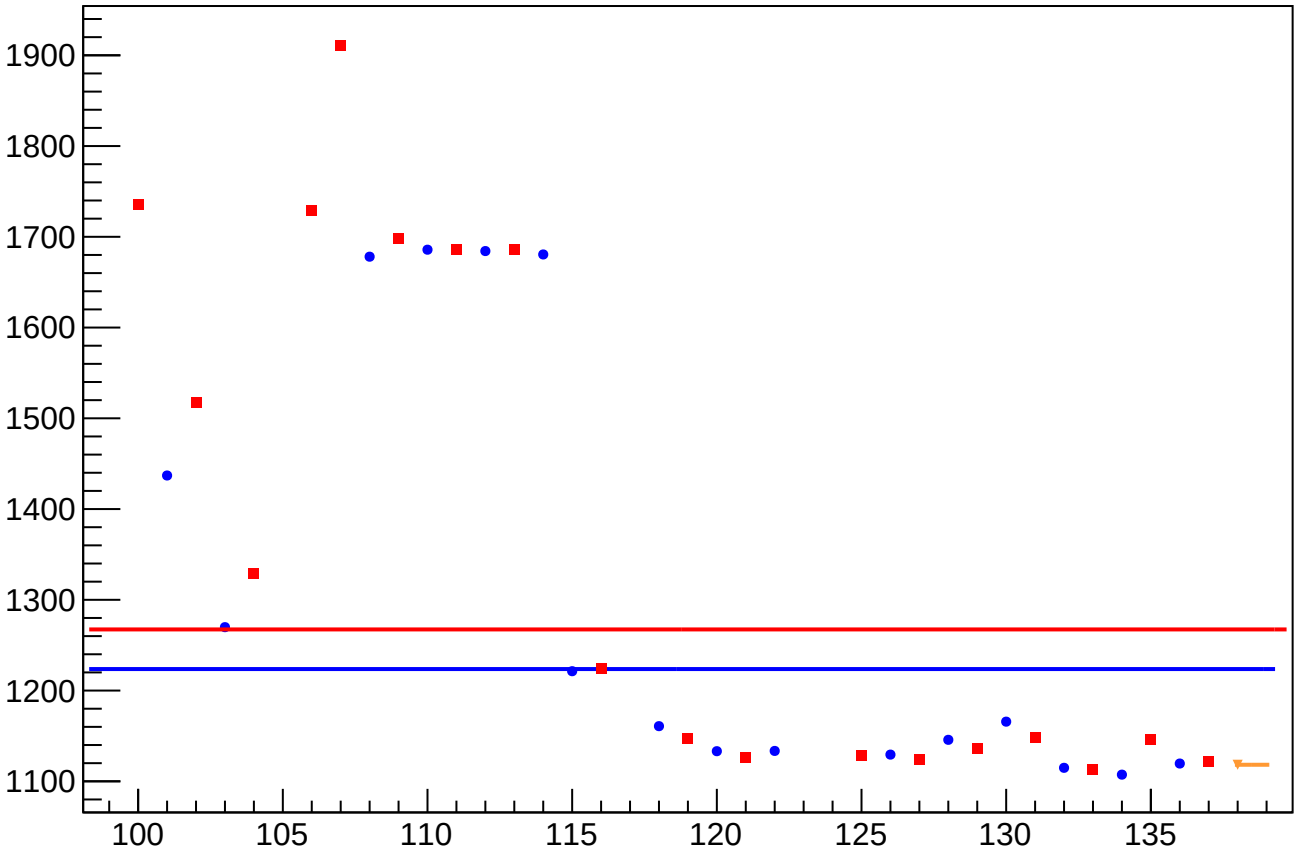
Left: -2655.122+/-1265.822 χ^2/NDF: 0.0/0

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -43.923+/-459.222 χ^2/NDF:10.1/15

Out: -66.751+/-444.978 χ^2/NDF:29.4/18

All: -55.696+/-319.564 χ^2/NDF: 39.5/34



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1118.242+/-0.895 χ^2/NDF:0.0/0

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1118.242+/-0.895 χ^2/NDF: 0.0/0

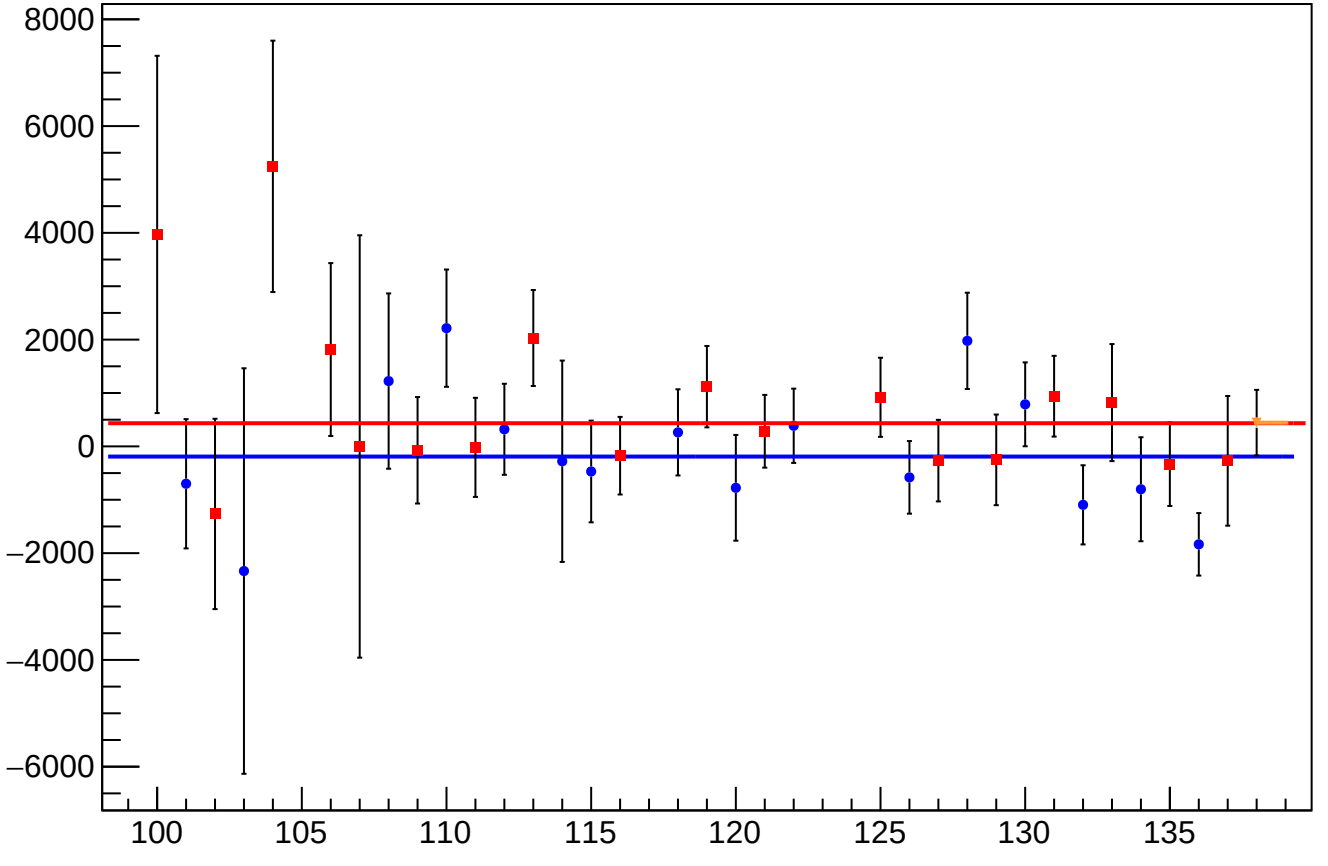
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1223.705+/-0.325 χ^2/NDF:294966.1/15

Out: 1248.935+/-0.315 χ^2/NDF:464308.9/18

All: 1236.718+/-0.226 χ^2/NDF: 762388.7/34

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: 444.161+/-615.006 χ^2/NDF:0.0/0

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

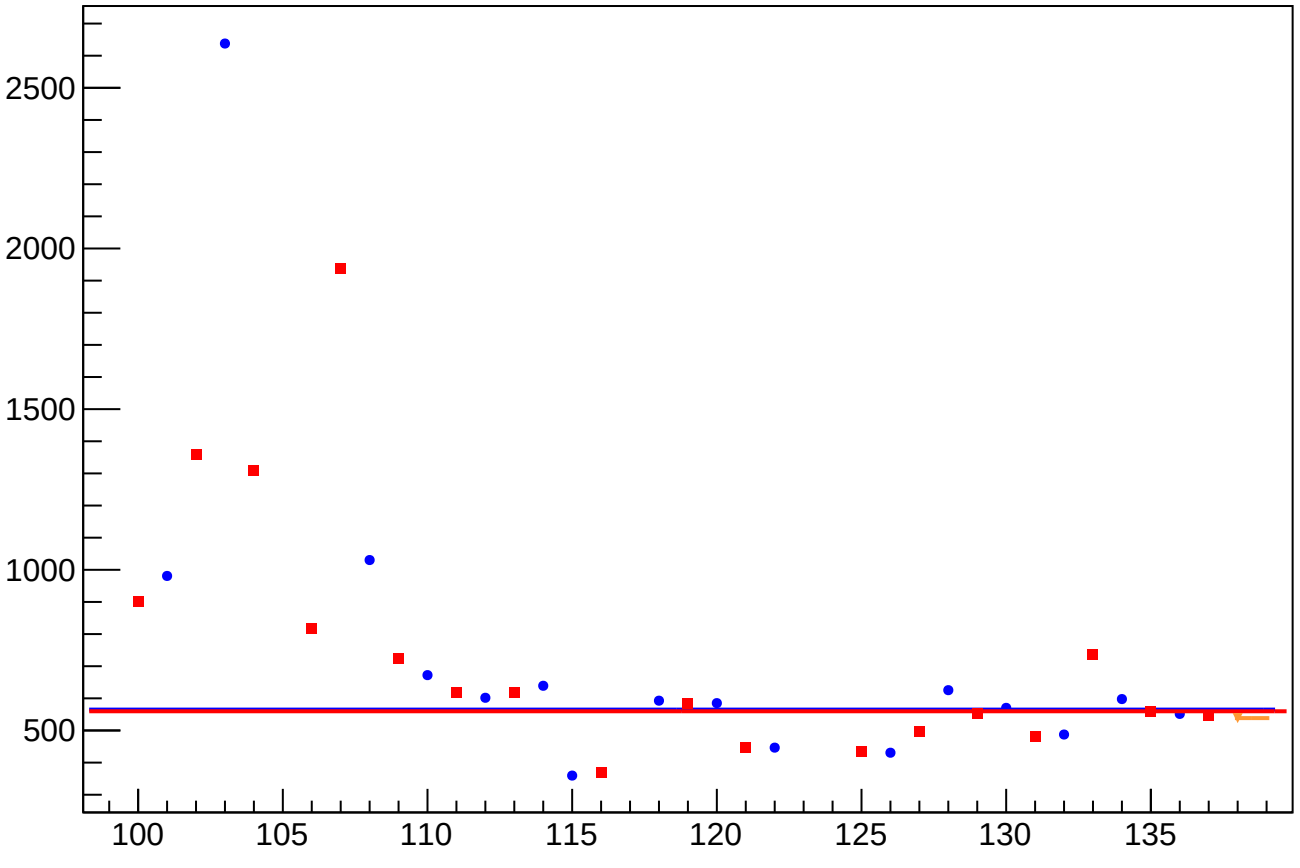
Left: 444.161+/-615.006 χ^2/NDF: 0.0/0

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -190.645+/-222.867 χ^2/NDF:25.3/15

Out: 435.078+/-210.098 χ^2/NDF:15.9/18

All: 140.654+/-152.877 χ^2/NDF: 45.4/34



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 538.499+/-0.435 χ^2/NDF:0.0/0

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

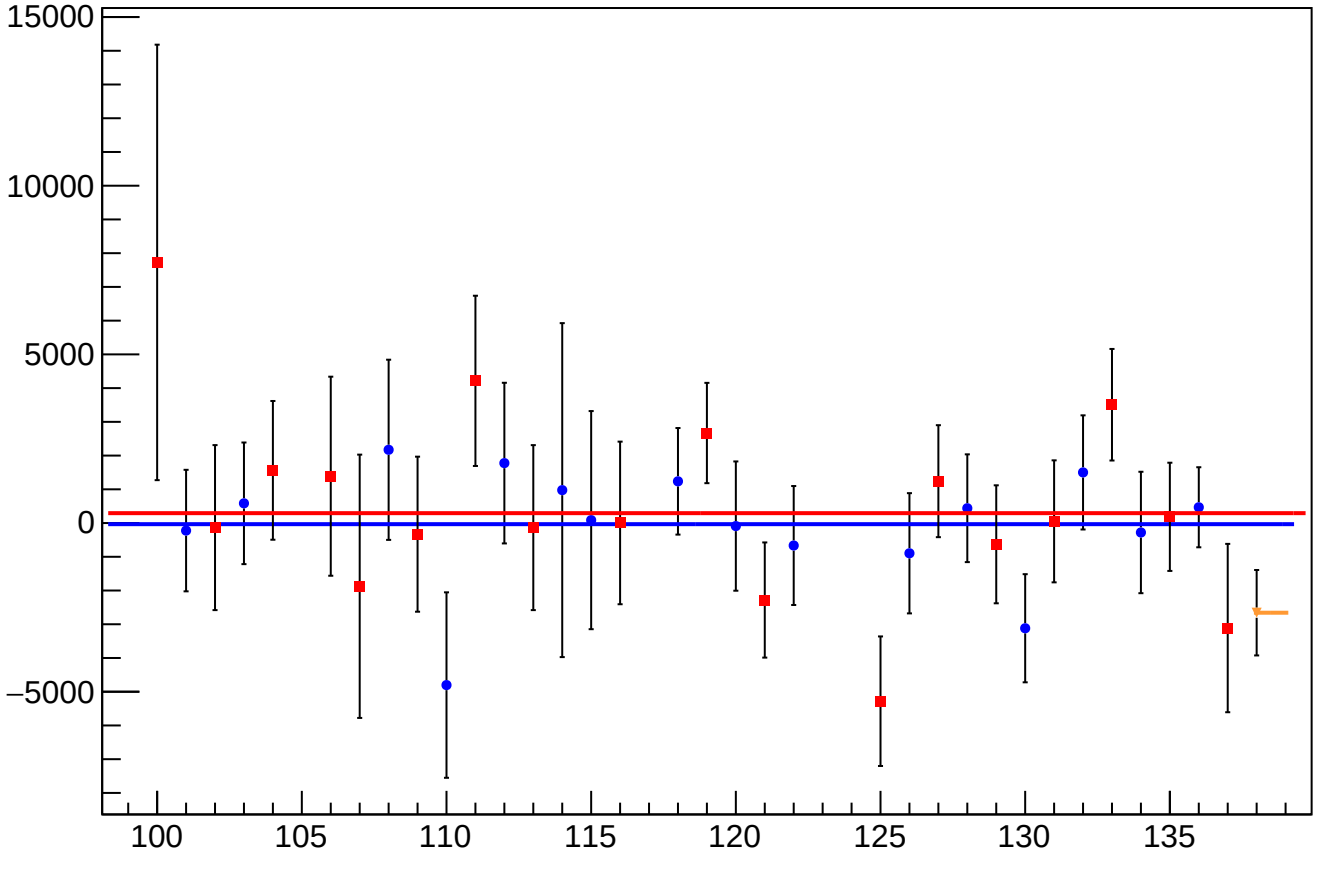
Left: 538.499+/-0.435 χ^2/NDF: 0.0/0

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 564.954+/-0.158 χ^2/NDF:1284455.7/15

Out: 557.277+/-0.149 χ^2/NDF:1331468.0/18

All: 560.889+/-0.108 χ^2/NDF: 2617180.4/34



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -2658.101+/-1266.390 χ^2/NDF:0.0/0

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

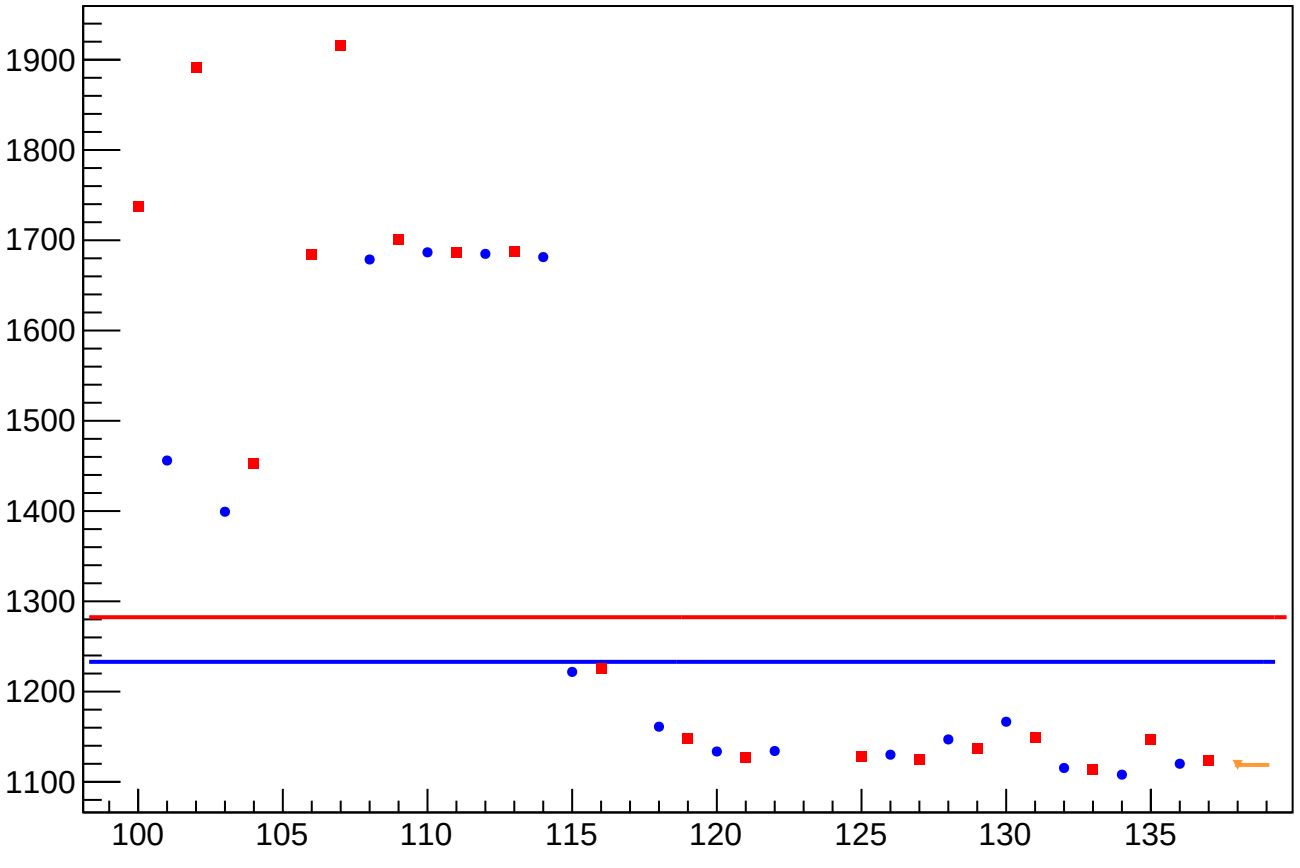
Left: -2658.101+/-1266.390 χ^2/NDF: 0.0/0

Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -33.062+/-463.216 χ^2/NDF:10.3/15

Out: -82.567+/-451.974 χ^2/NDF:29.0/18

All: -58.423+/-323.495 χ^2/NDF: 39.3/34



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1118.743+/-0.895 χ^2/NDF:0.0/0

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

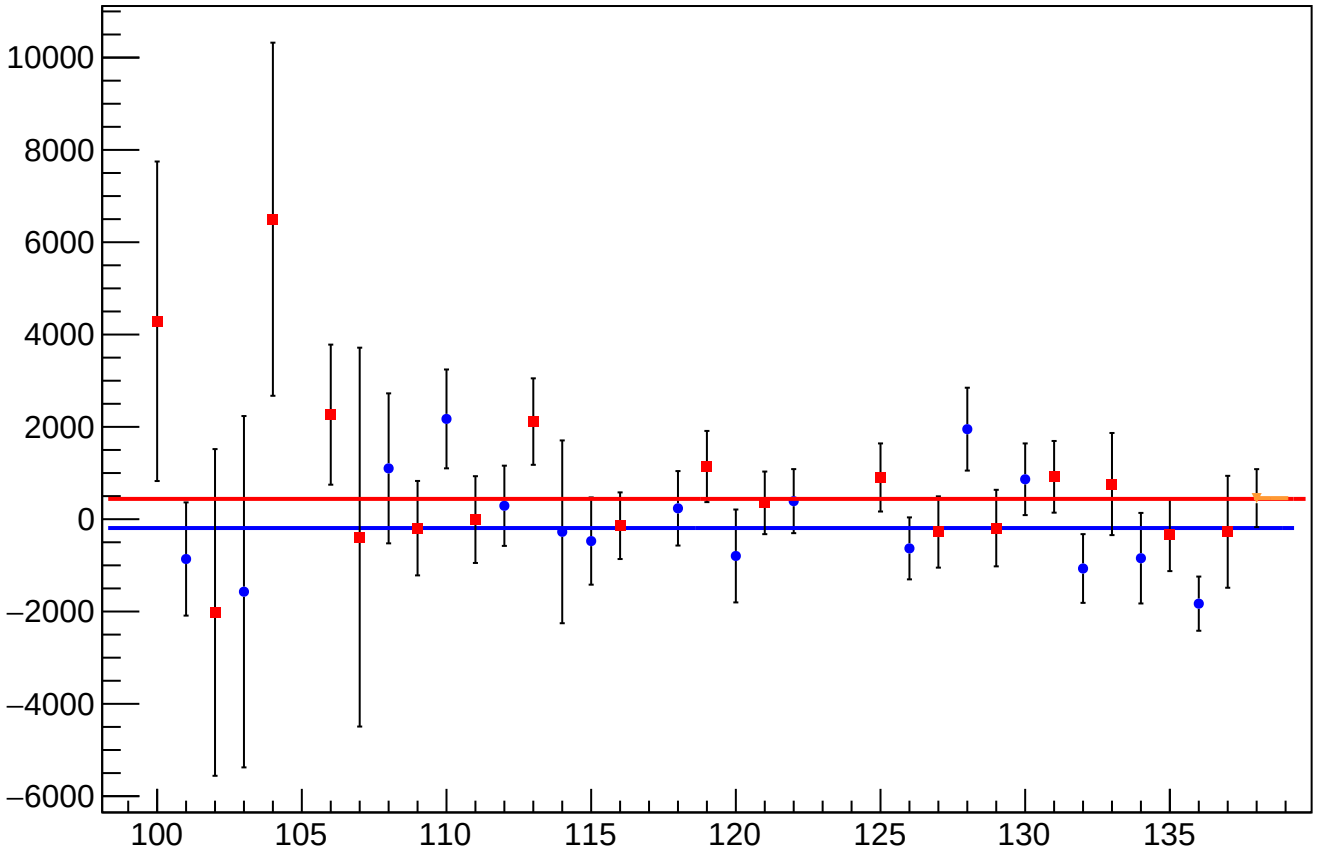
Left: 1118.743+/-0.895 χ^2/NDF: 0.0/0

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1232.965+/-0.328 χ^2/NDF:315470.6/15

Out: 1261.560+/-0.320 χ^2/NDF:572553.2/18

All: 1247.614+/-0.229 χ^2/NDF: 891928.1/34



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: 456.490+/-627.820 χ^2/NDF:0.0/0

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

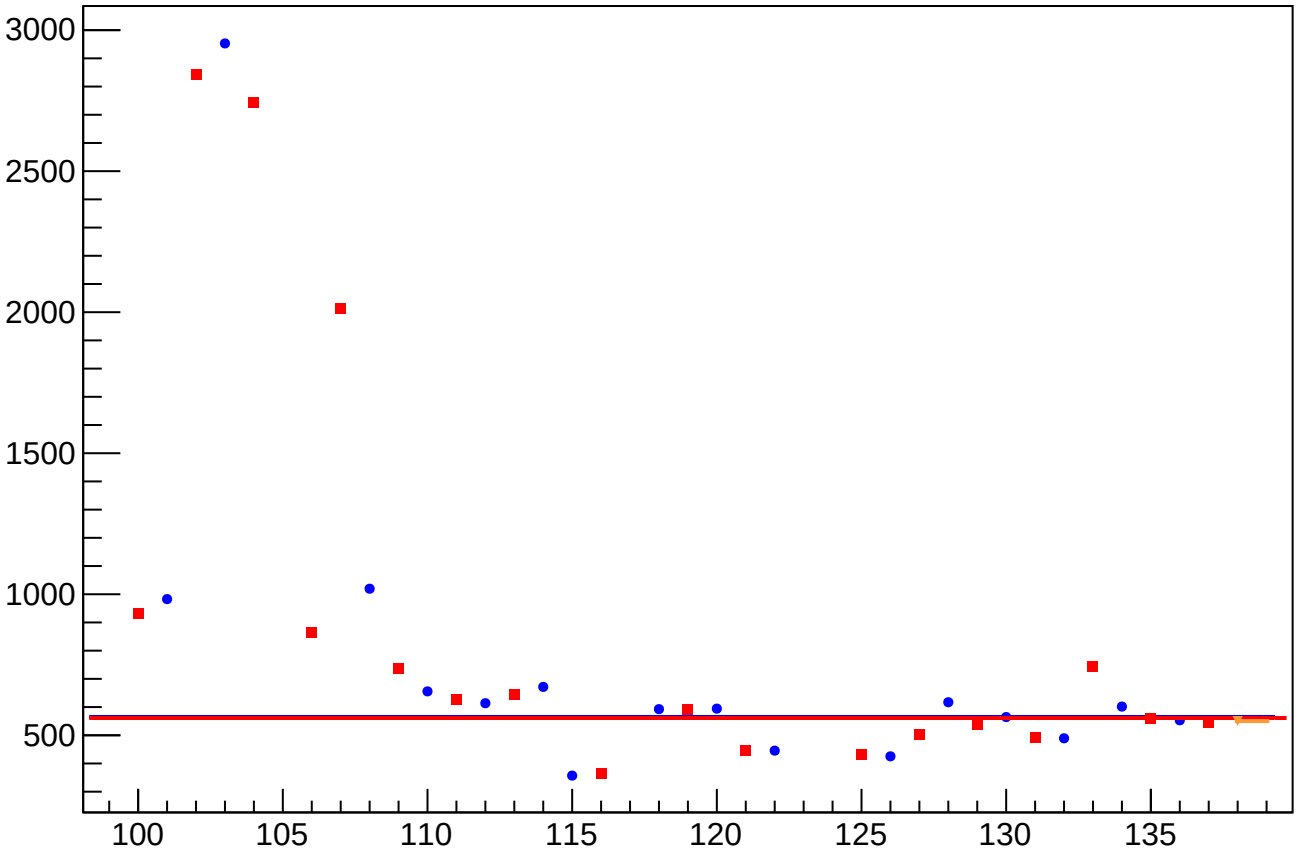
Left: 456.490+/-627.820 χ^2/NDF: 0.0/0

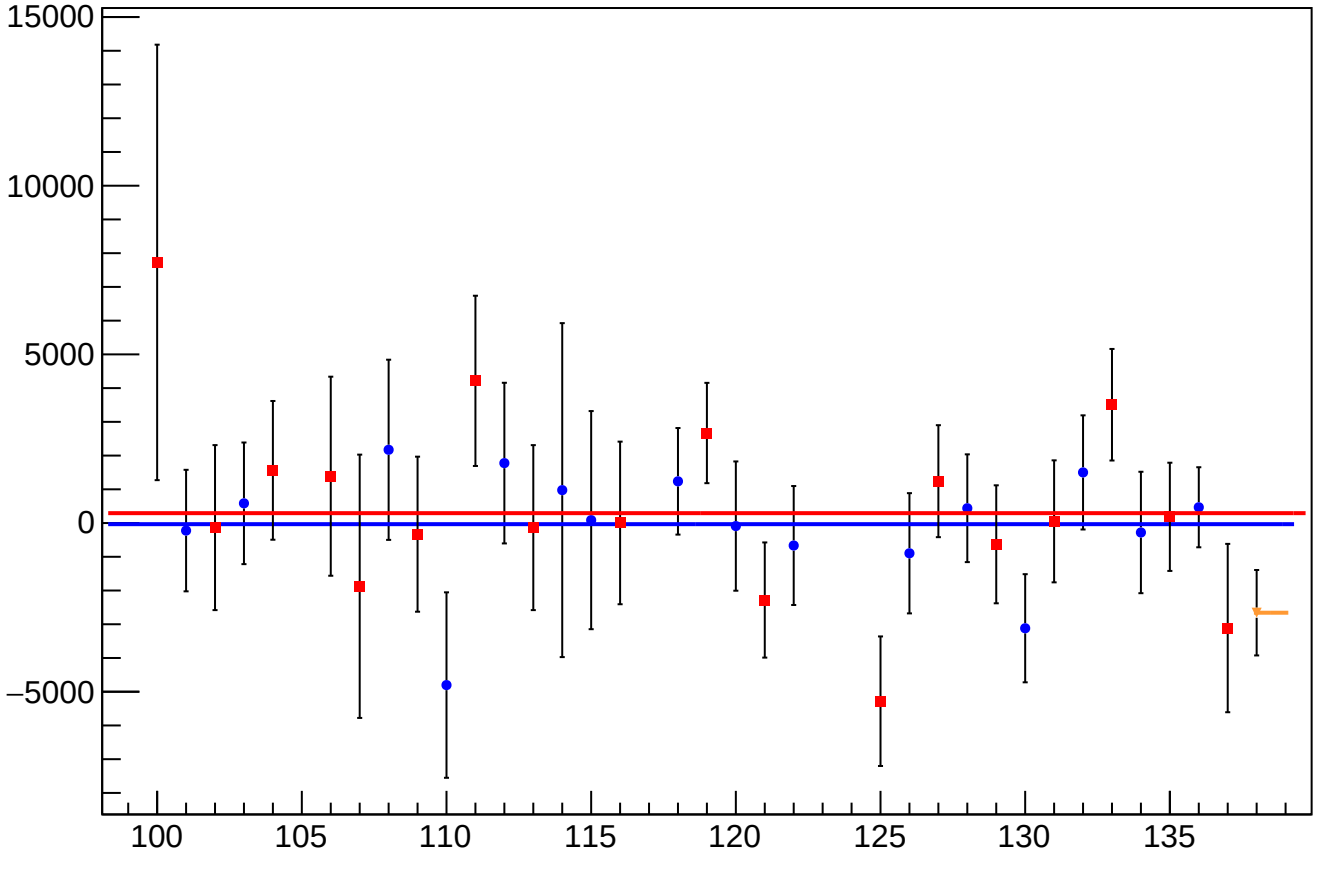
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -191.528+/-222.764 χ^2/NDF:25.3/15

Out: 441.556+/-213.142 χ^2/NDF:14.6/18

All: 138.981+/-154.003 χ^2/NDF: 44.1/34


asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
105
110
115
120
125
130
135
Right In: 564.871+/-0.158 χ²/NDF: 1480375.5/15
Left Out: 550.398+/-0.444 χ²/NDF:0.0/0
Right Out: 561.273+/-0.160 χ²/NDF: 2273371.7/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 550.398+/-0.444 χ²/NDF: 0.0/0
Right: 563.103+/-0.112 χ²/NDF: 3754003.6/33
In: 564.871+/-0.158 χ²/NDF:1480375.5/15
Out: 560.020+/-0.151 χ²/NDF:2273902.6/18
All: 562.338+/-0.109 χ²/NDF: 3754773.3/34



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -2658.100+/-1266.390 χ^2/NDF:0.0/0

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

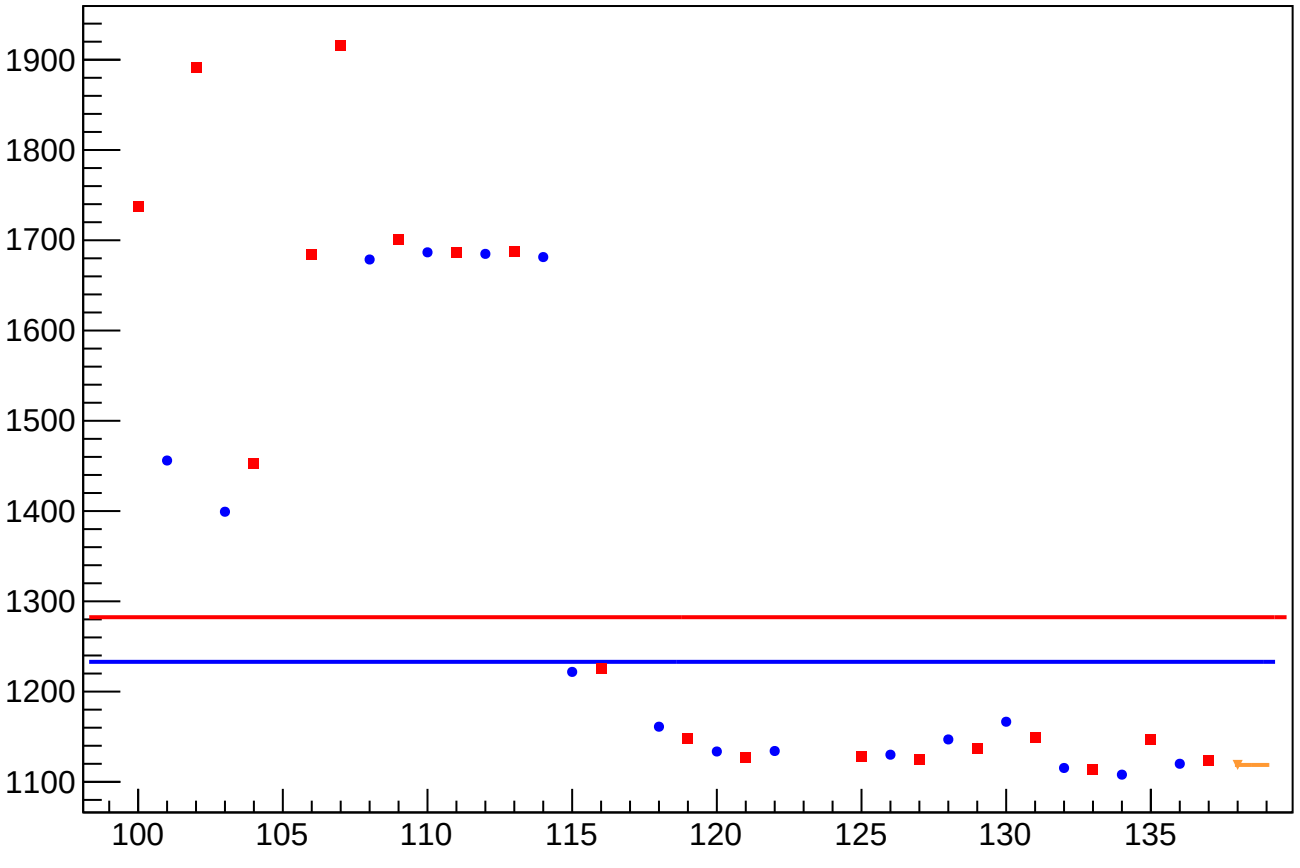
Left: -2658.100+/-1266.390 χ^2/NDF: 0.0/0

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -33.061+/-463.216 χ^2/NDF:10.3/15

Out: -82.567+/-451.973 χ^2/NDF:29.0/18

All: -58.422+/-323.495 χ^2/NDF: 39.3/34



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1118.743+/-0.895 χ^2/NDF:0.0/0

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

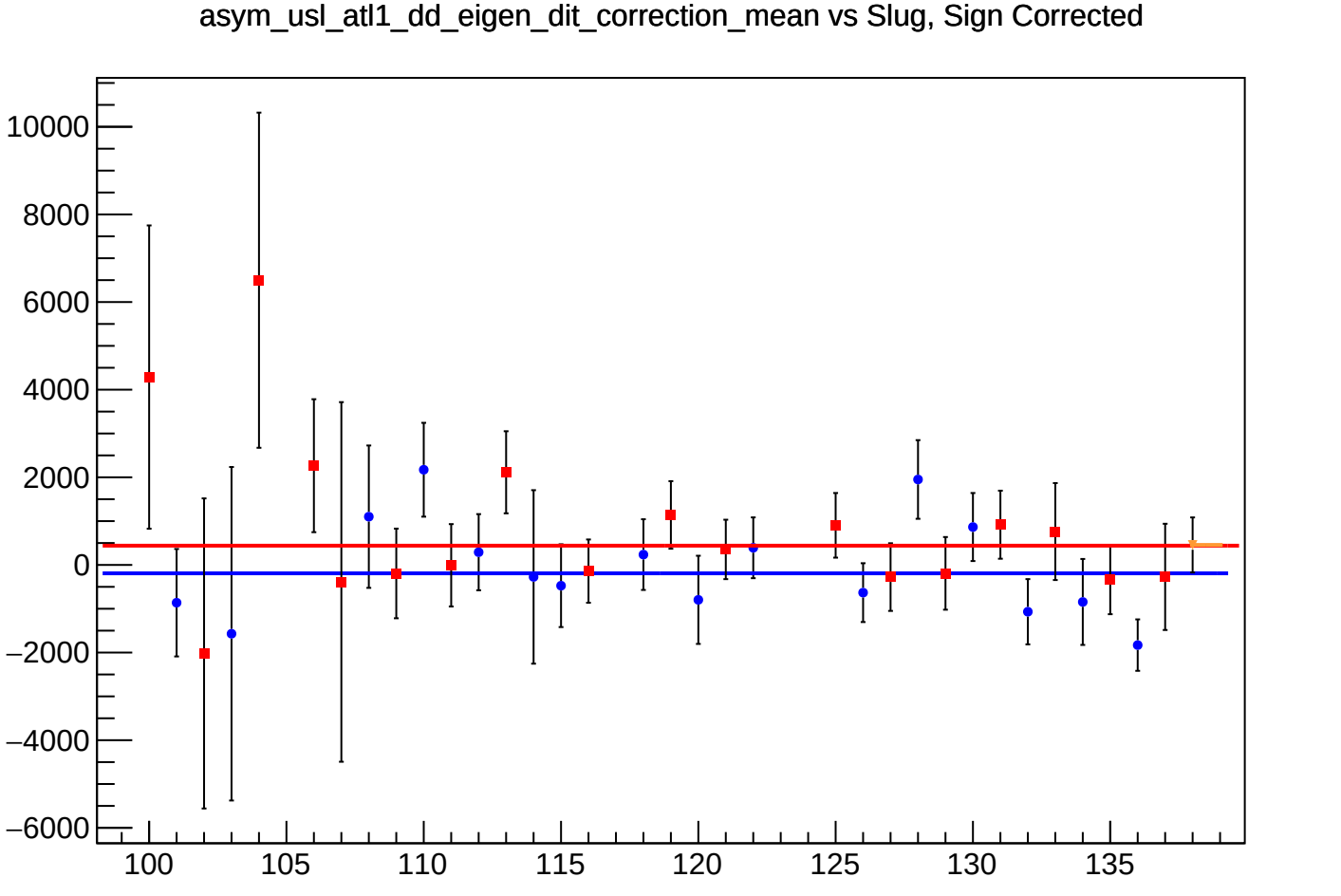
Left: 1118.743+/-0.895 χ^2/NDF: 0.0/0

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1232.965+/-0.328 χ^2/NDF:315470.2/15

Out: 1261.560+/-0.320 χ^2/NDF:572552.6/18

All: 1247.614+/-0.229 χ^2/NDF: 891927.2/34



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: 456.491+/-627.822 χ^2/NDF:0.0/0

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 456.491+/-627.822 χ^2/NDF: 0.0/0

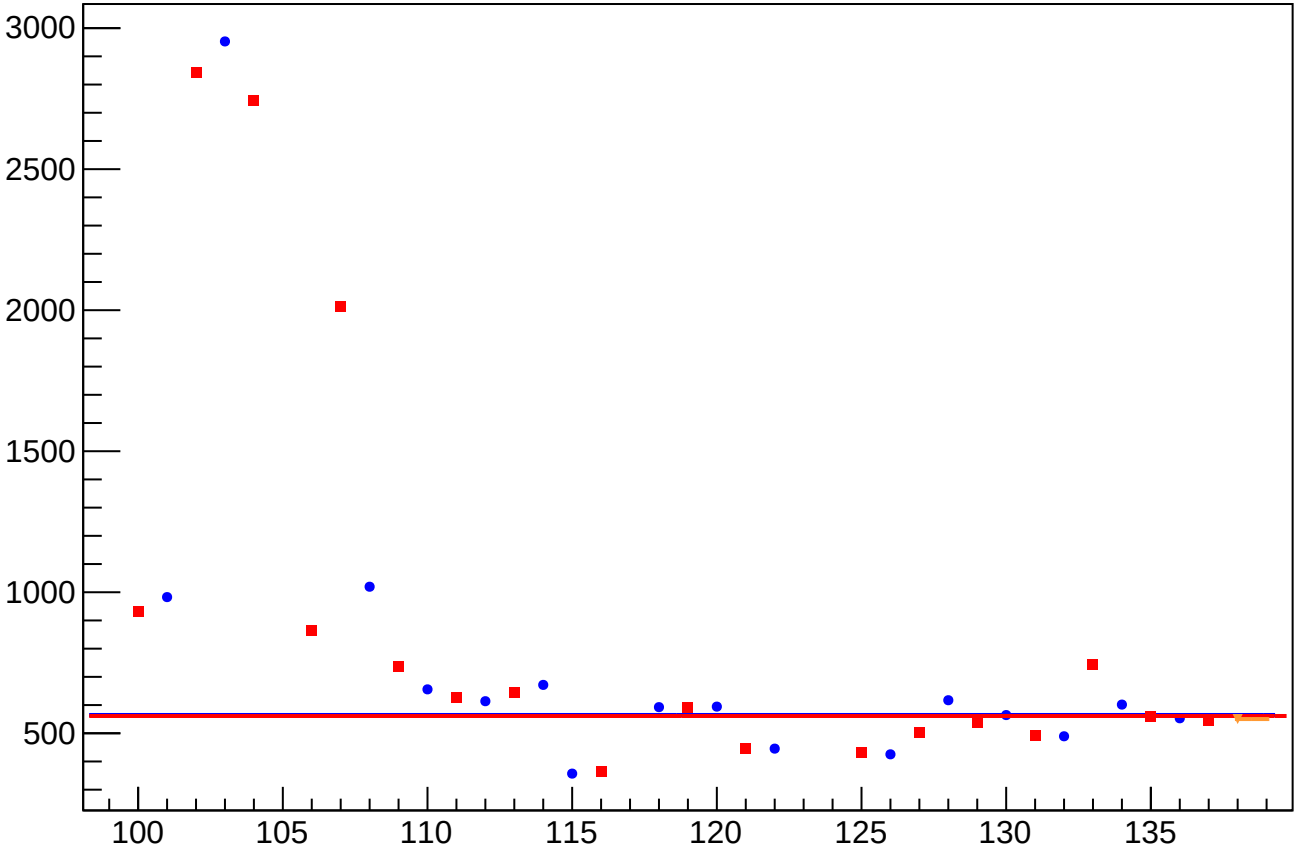
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -191.527+/-222.763 χ^2/NDF:25.3/15

Out: 441.556+/-213.142 χ^2/NDF:14.6/18

All: 138.981+/-154.003 χ^2/NDF: 44.1/34

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: 550.400+/-0.444 χ^2/NDF:0.0/0

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

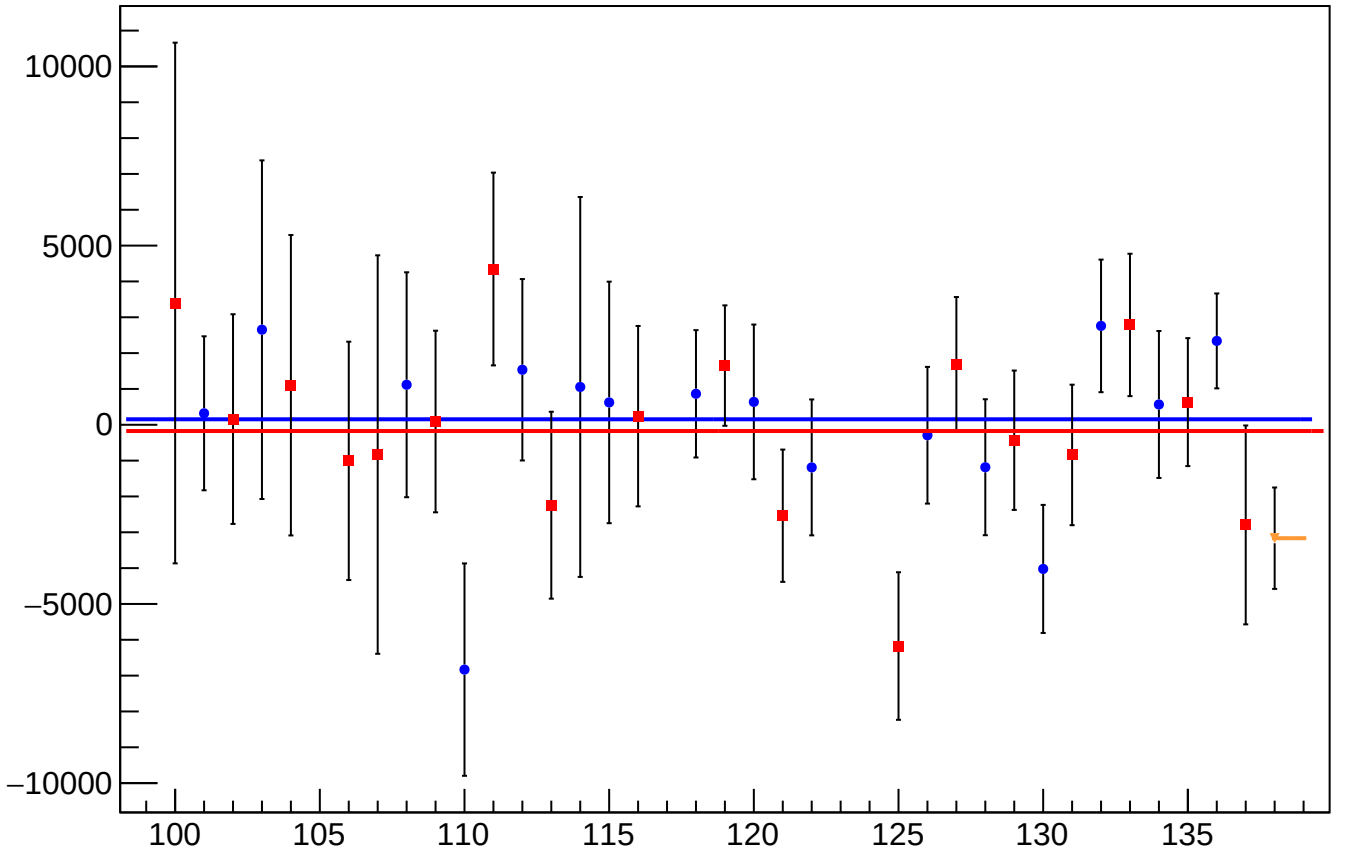
Left: 550.400+/-0.444 χ^2/NDF: 0.0/0

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 564.871+/-0.158 χ^2/NDF:1480372.9/15

Out: 560.020+/-0.151 χ^2/NDF:2273903.1/18

All: 562.338+/-0.109 χ^2/NDF: 3754771.2/34



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: -3165.289+/-1415.015 χ^2/NDF:0.0/0

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -3165.289+/-1415.015 χ^2/NDF: 0.0/0

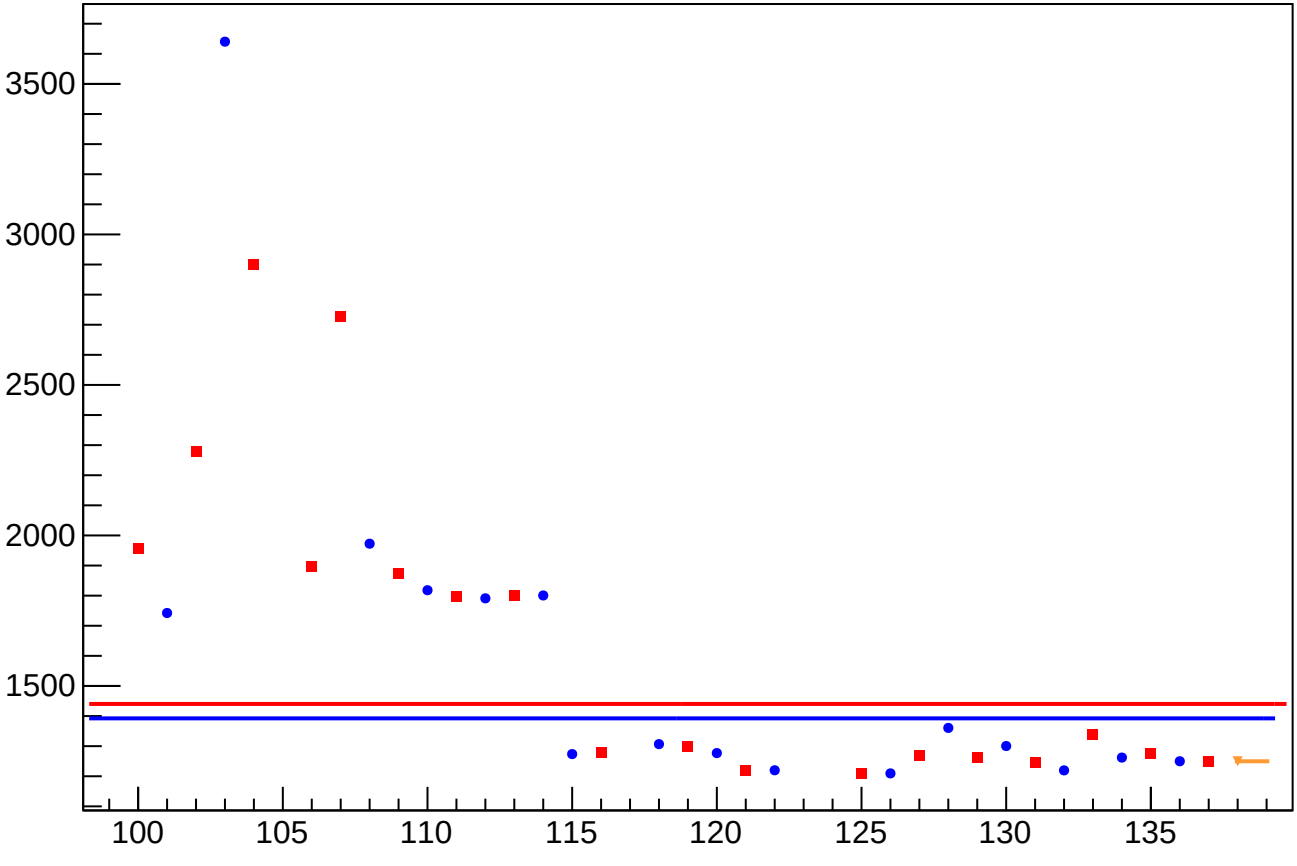
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 153.375+/-532.096 χ^2/NDF:17.8/15

Out: -567.072+/-512.761 χ^2/NDF:23.6/18

All: -220.176+/-369.223 χ^2/NDF: 42.3/34

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1249.733+/-1.001 χ^2/NDF:0.0/0

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

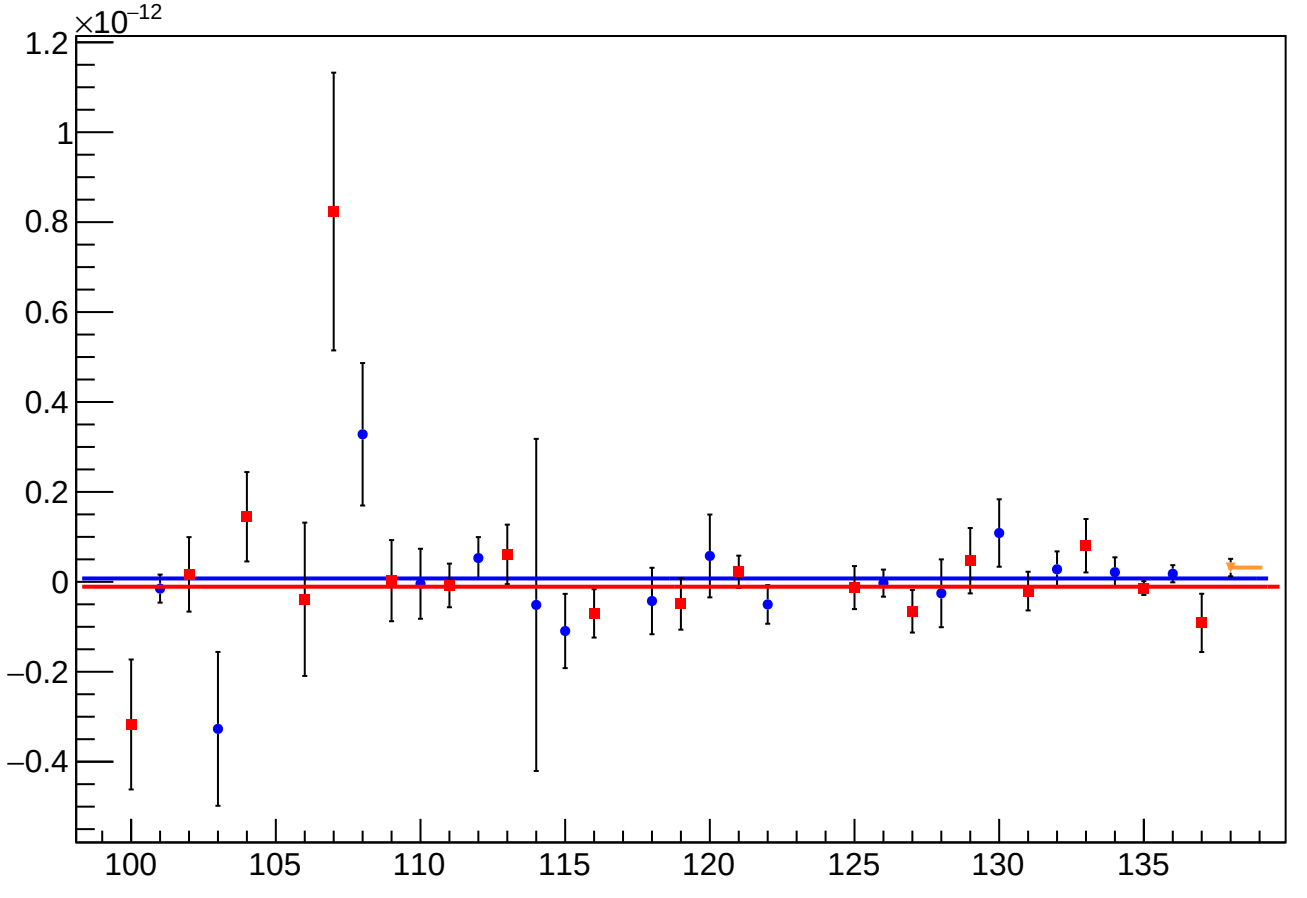
Left: 1249.733+/-1.001 χ^2/NDF: 0.0/0

Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1392.299+/-0.376 χ^2/NDF:779240.9/15

Out: 1415.208+/-0.363 χ^2/NDF:886371.3/18

All: 1404.177+/-0.261 χ^2/NDF: 1667534.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

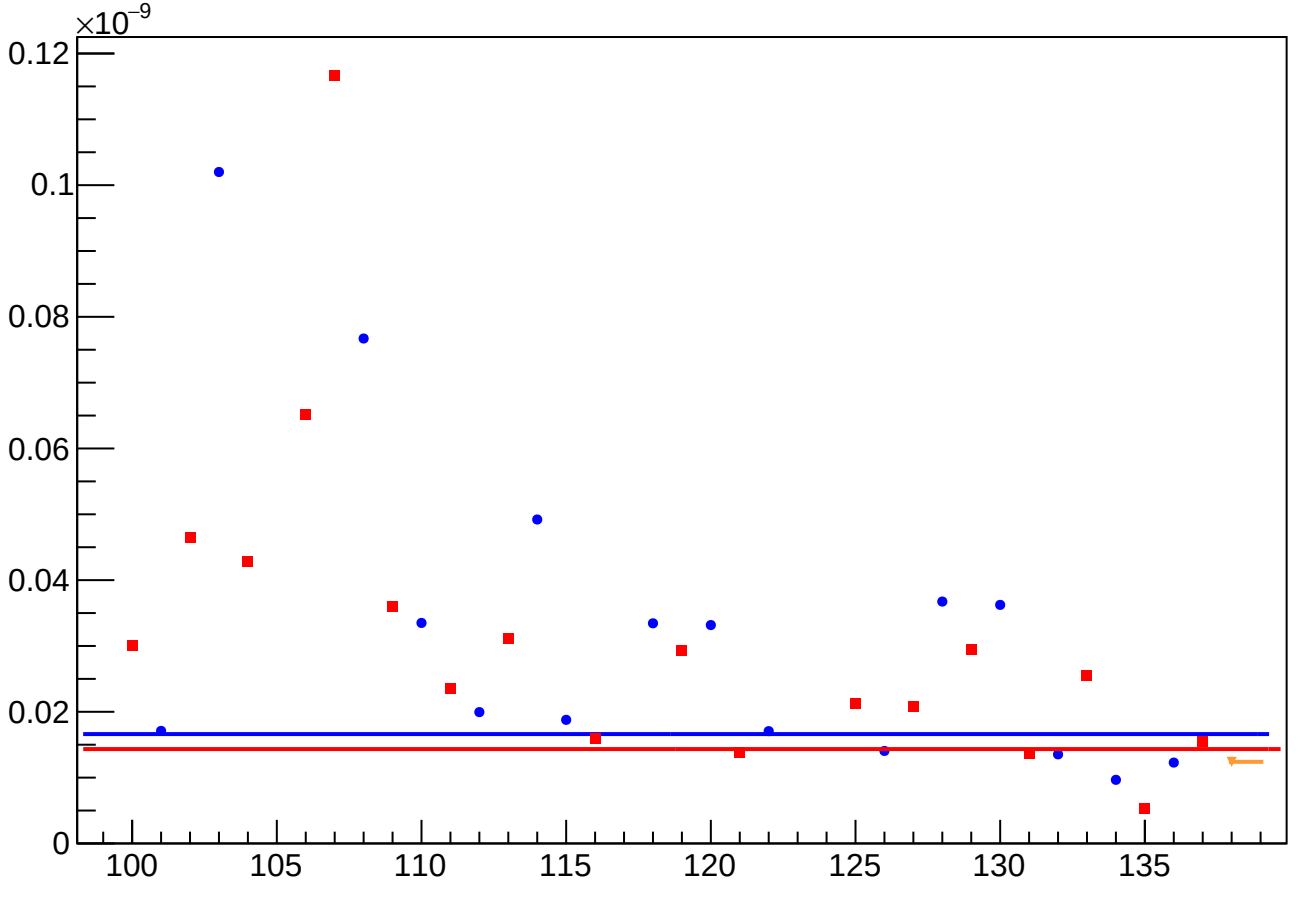
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:16.9/15

Out: -0.000+/-0.000 χ^2/NDF:27.7/18

All: 0.000+/-0.000 χ^2/NDF: 45.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

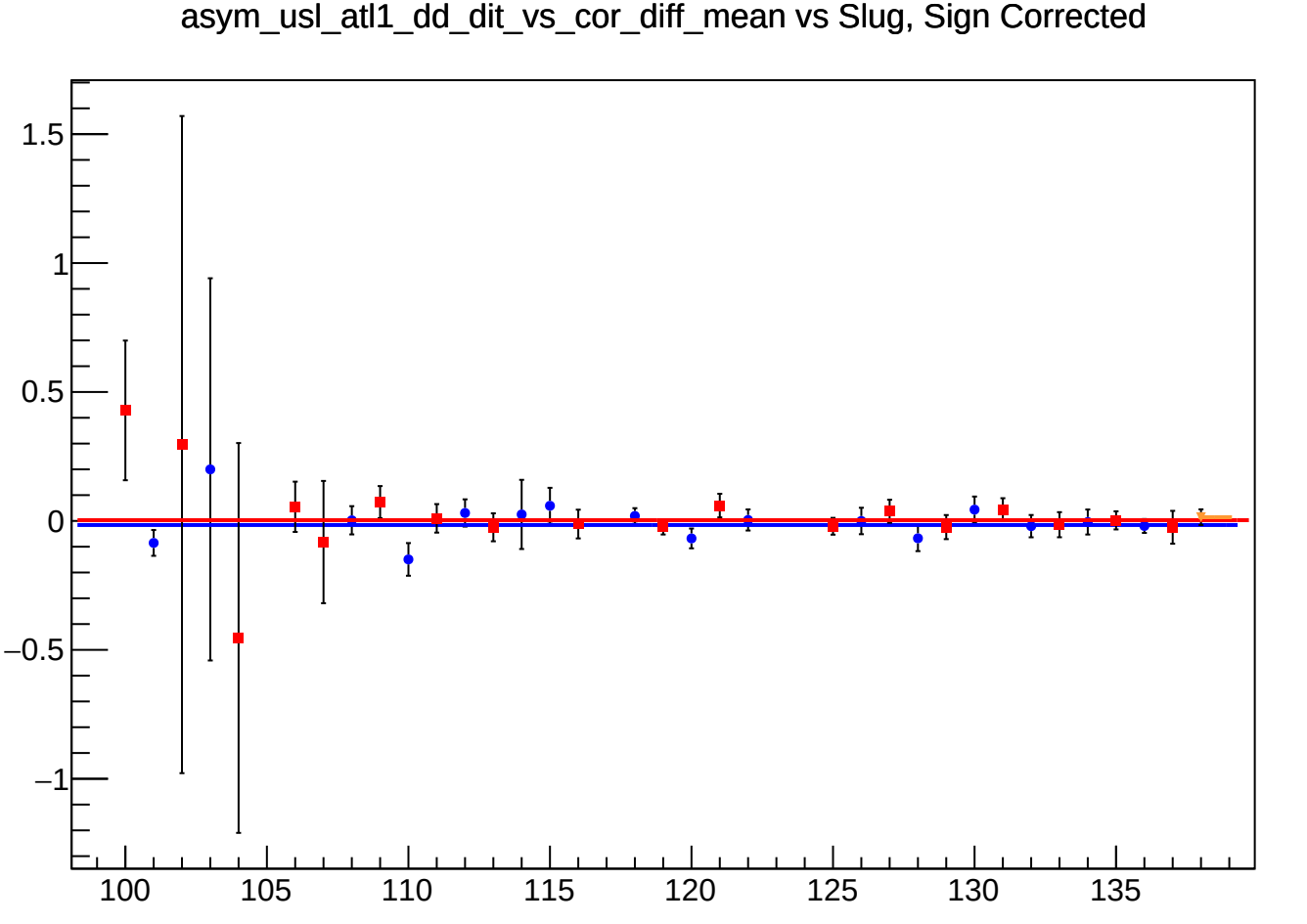
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:1573068.3/15

Out: 0.000+/-0.000 χ^2/NDF:2273351.9/18

All: 0.000+/-0.000 χ^2/NDF: 3918767.5/34



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.014+/-0.031 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.014+/-0.031 χ^2/NDF: 0.0/0

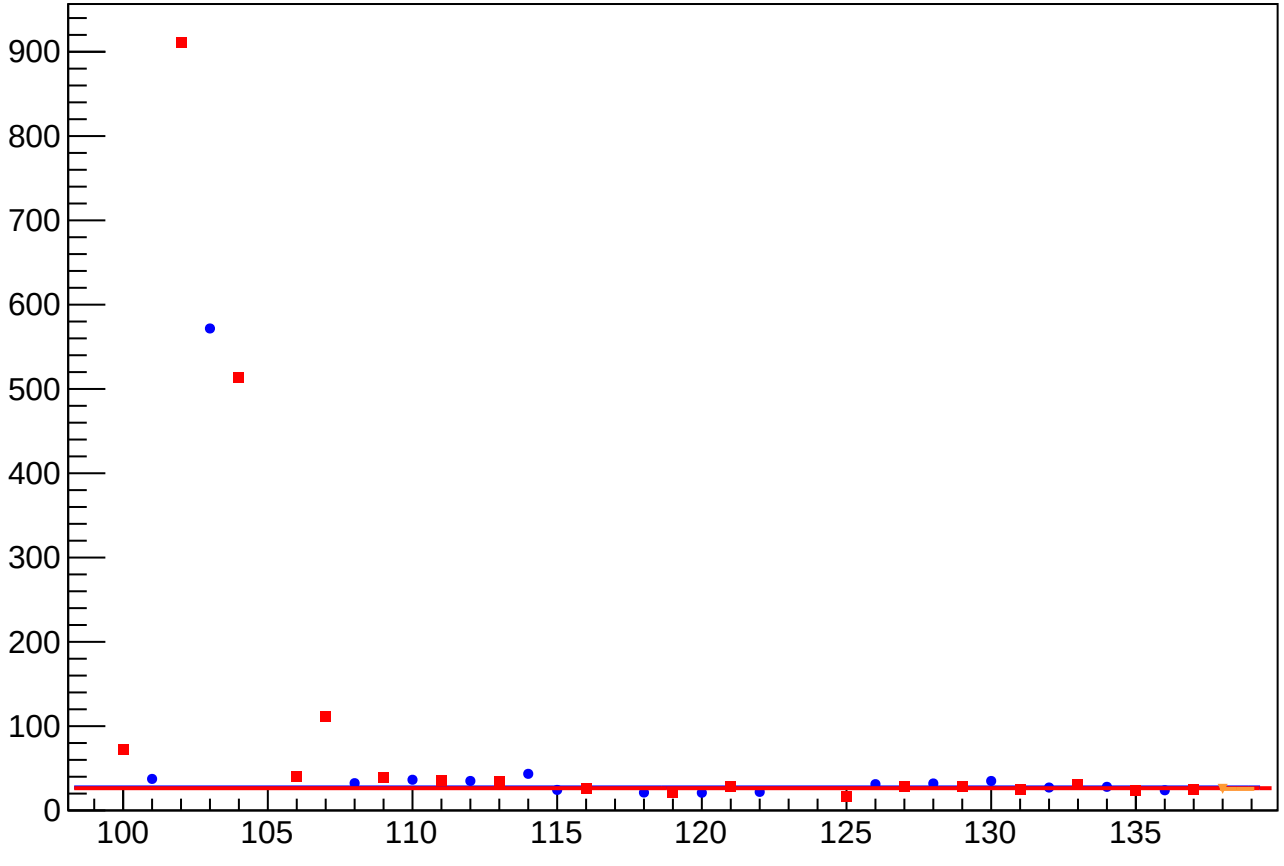
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.016+/-0.012 χ^2/NDF:14.6/15

Out: 0.004+/-0.011 χ^2/NDF:10.0/18

All: -0.005+/-0.008 χ^2/NDF: 26.2/34

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 25.594+/-0.022 χ^2/NDF:0.0/0

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

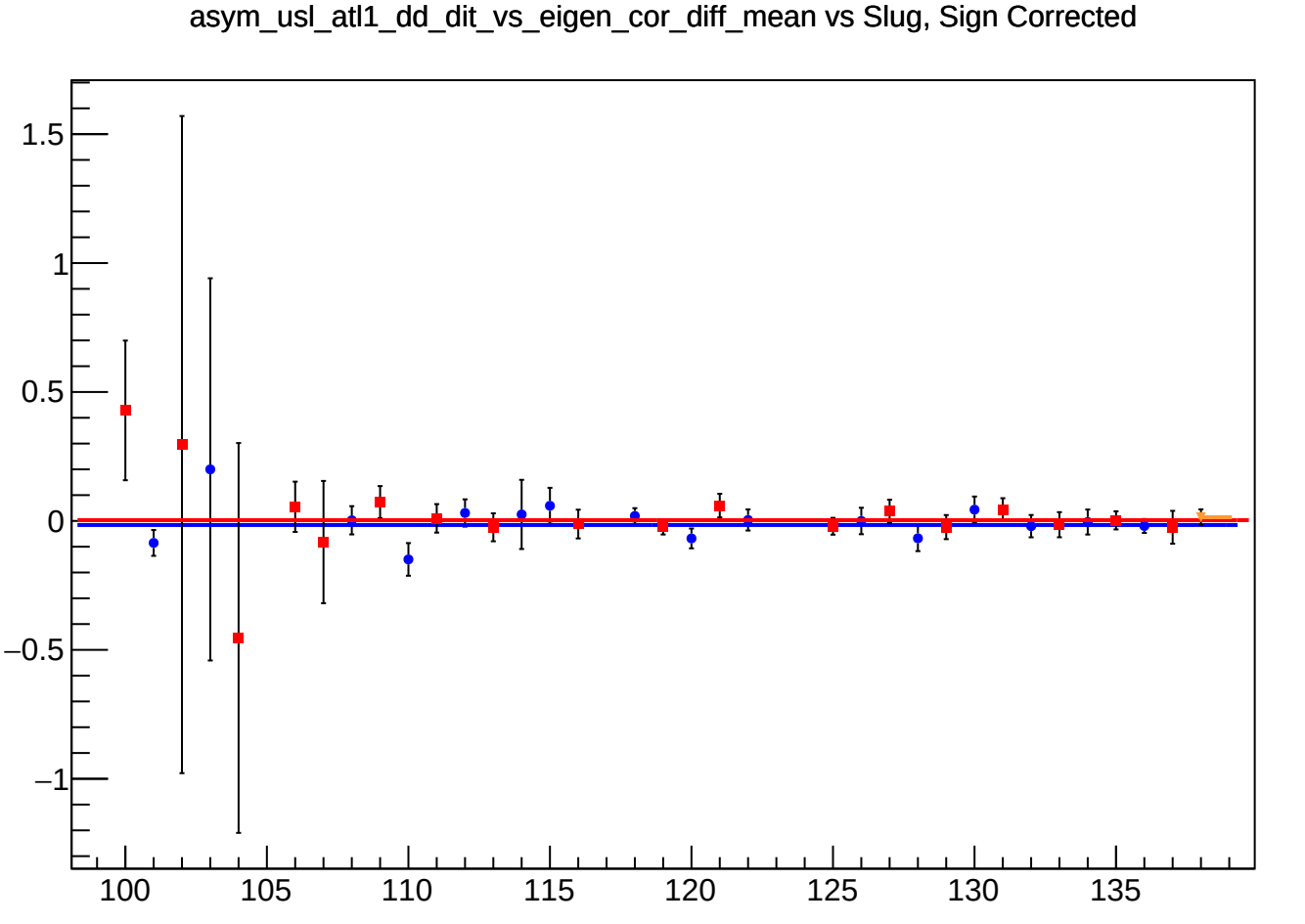
Left: 25.594+/-0.022 χ^2/NDF: 0.0/0

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

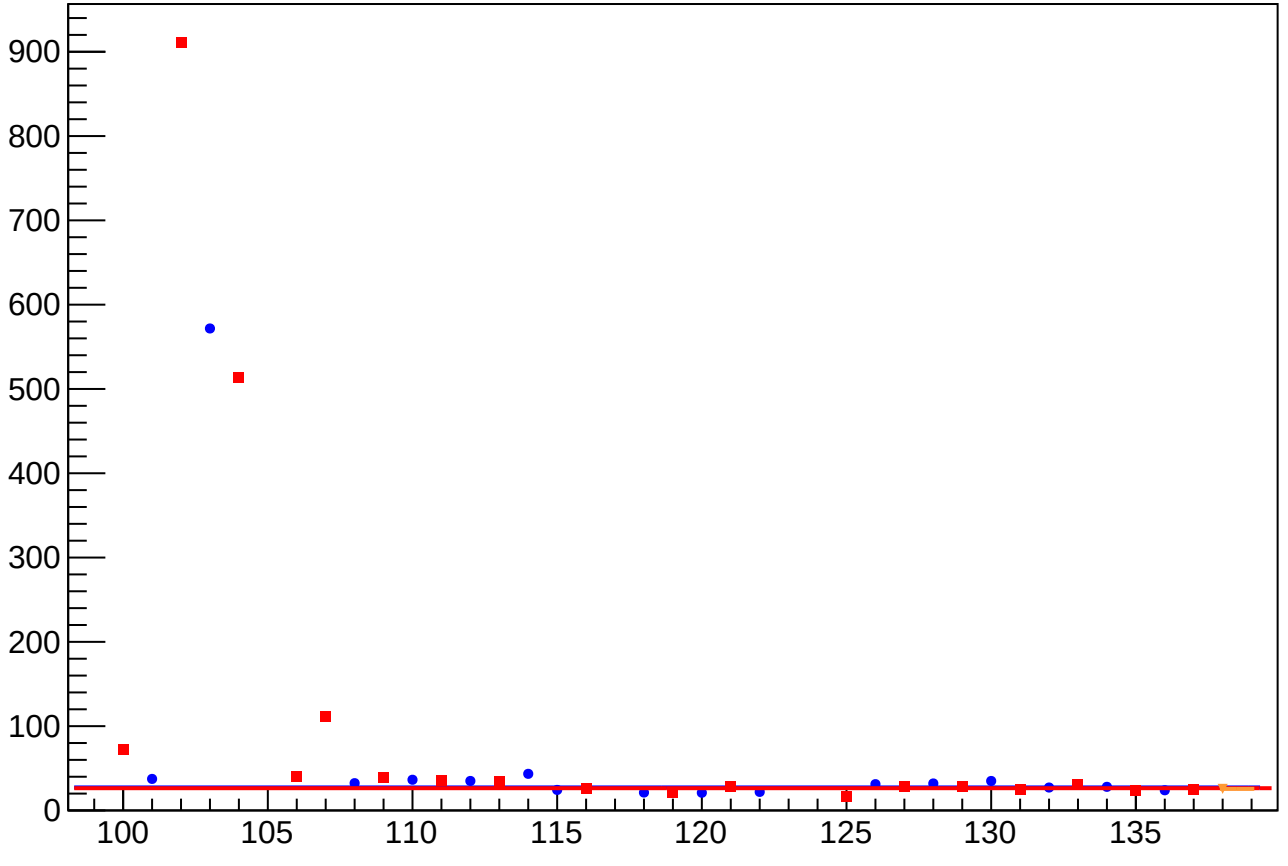
In: 27.305+/-0.008 χ^2/NDF:1568329.0/15

Out: 26.292+/-0.008 χ^2/NDF:2615893.1/18

All: 26.782+/-0.006 χ^2/NDF: 4192149.5/34


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1.5
1
0.5
0
−0.5
−1
100
105
110
115
120
125
130
135
Right In: -0.016+/-0.012 χ²/NDF: 14.6/15
Left Out: 0.014+/-0.031 χ²/NDF:0.0/0
Right Out: 0.003+/-0.012 χ²/NDF: 9.9/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.014+/-0.031 χ²/NDF: 0.0/0
Right: -0.007+/-0.008 χ²/NDF: 25.8/33
In: -0.016+/-0.012 χ²/NDF:14.6/15
Out: 0.004+/-0.011 χ²/NDF:10.0/18
All: -0.005+/-0.008 χ²/NDF: 26.2/34

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: 25.594+/-0.022 χ^2/NDF:0.0/0

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

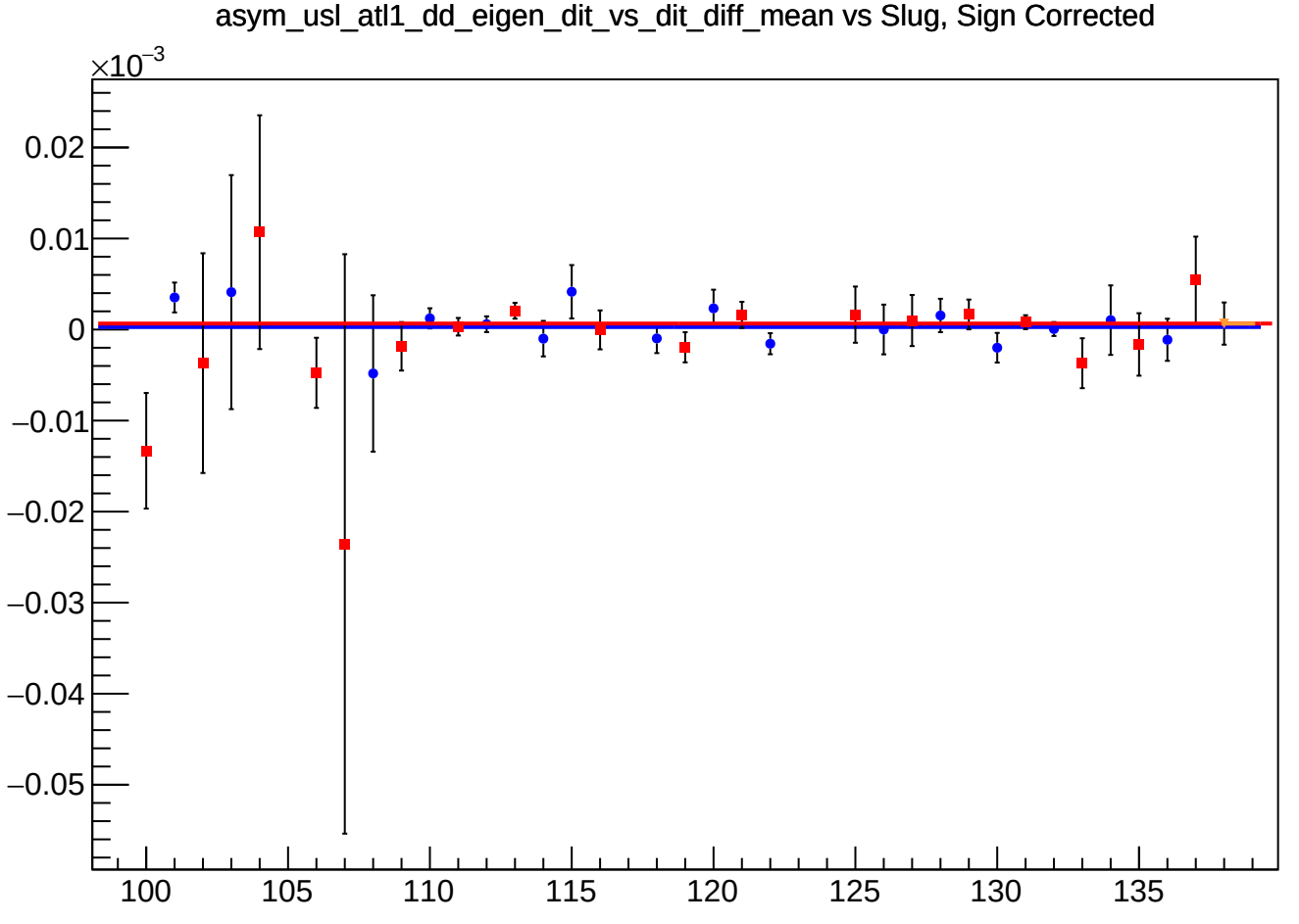
Left: 25.594+/-0.022 χ^2/NDF: 0.0/0

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 27.305+/-0.008 χ^2/NDF:1568329.0/15

Out: 26.292+/-0.008 χ^2/NDF:2615893.1/18

All: 26.782+/-0.006 χ^2/NDF: 4192149.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

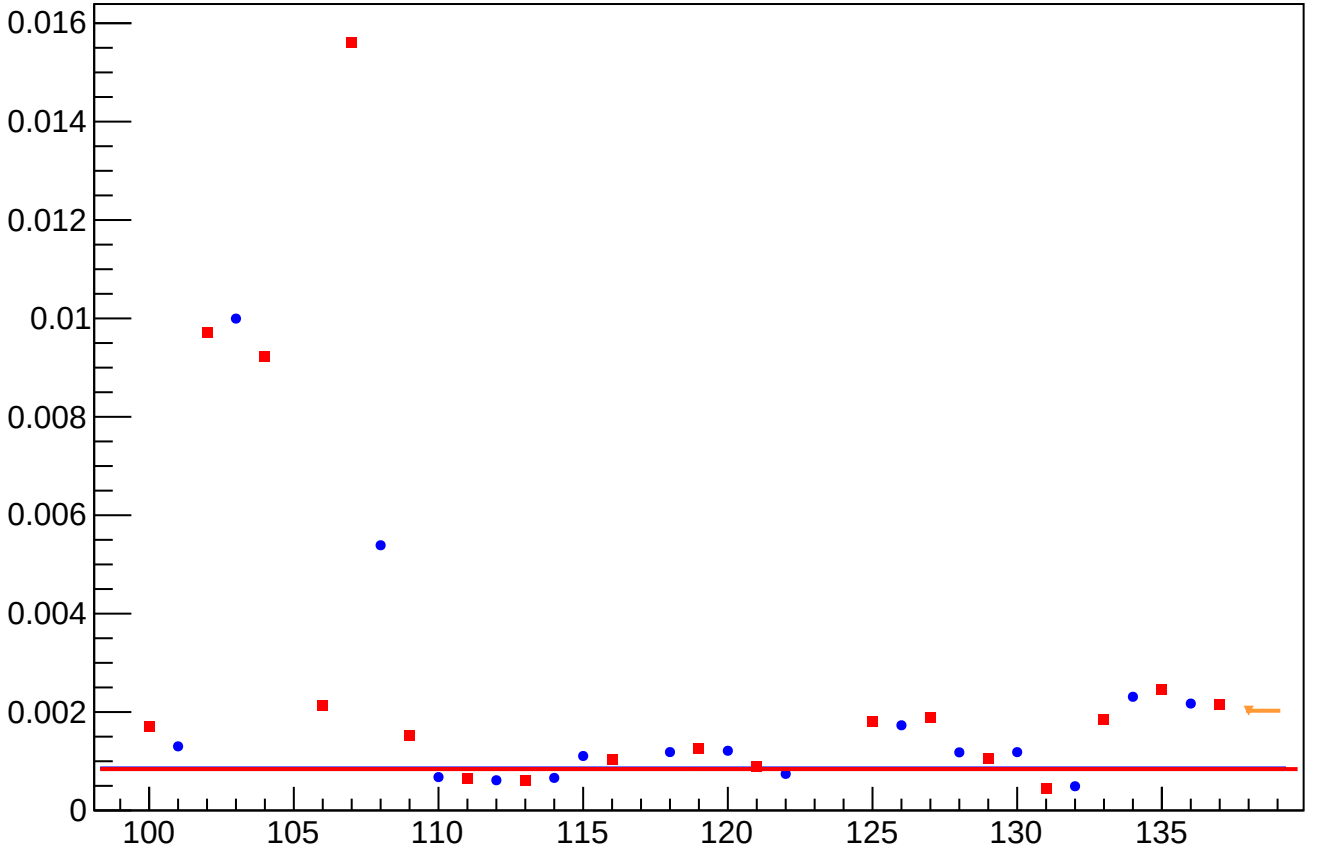
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:14.4/15

Out: 0.000+/-0.000 χ^2/NDF:19.3/18

All: 0.000+/-0.000 χ^2/NDF: 34.2/34

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:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.002+/-0.000 χ^2/NDF: 0.0/0

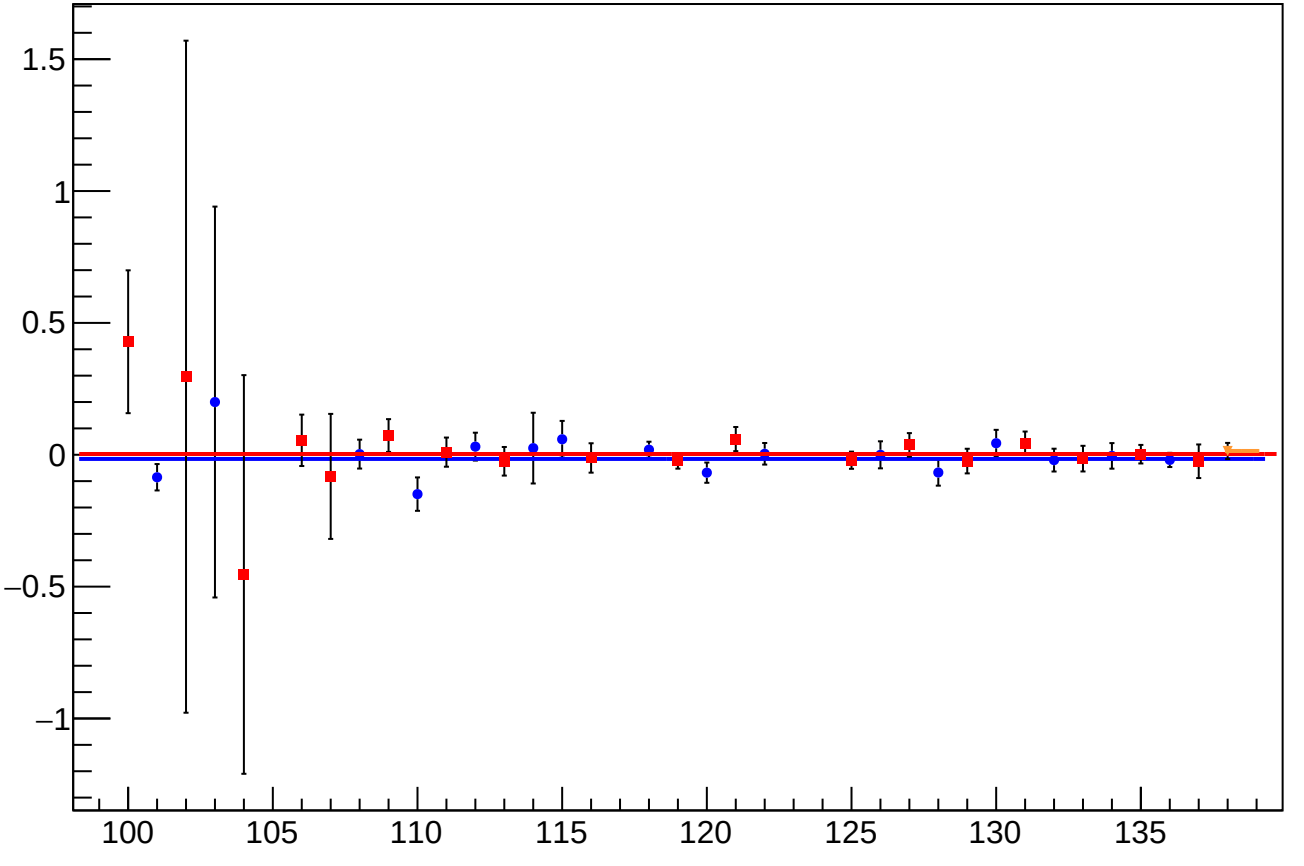
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:3863719.0/15

Out: 0.001+/-0.000 χ^2/NDF:5548420.3/18

All: 0.001+/-0.000 χ^2/NDF: 9415250.4/34

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: 0.014+/-0.031 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.014+/-0.031 χ^2/NDF: 0.0/0

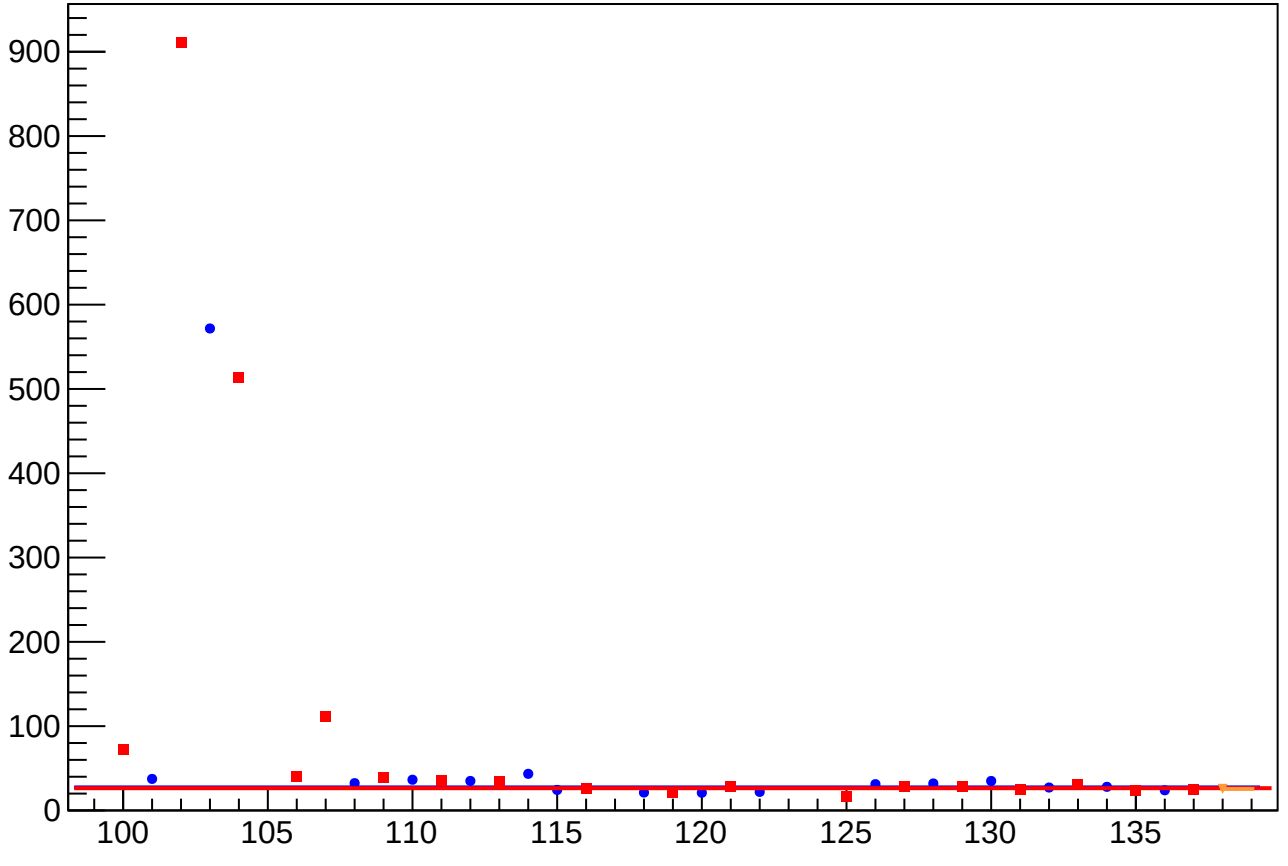
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.016+/-0.012 χ^2/NDF:14.6/15

Out: 0.004+/-0.011 χ^2/NDF:10.0/18

All: -0.005+/-0.008 χ^2/NDF: 26.2/34

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: 25.595+/-0.022 χ^2/NDF:0.0/0

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 25.595+/-0.022 χ^2/NDF: 0.0/0

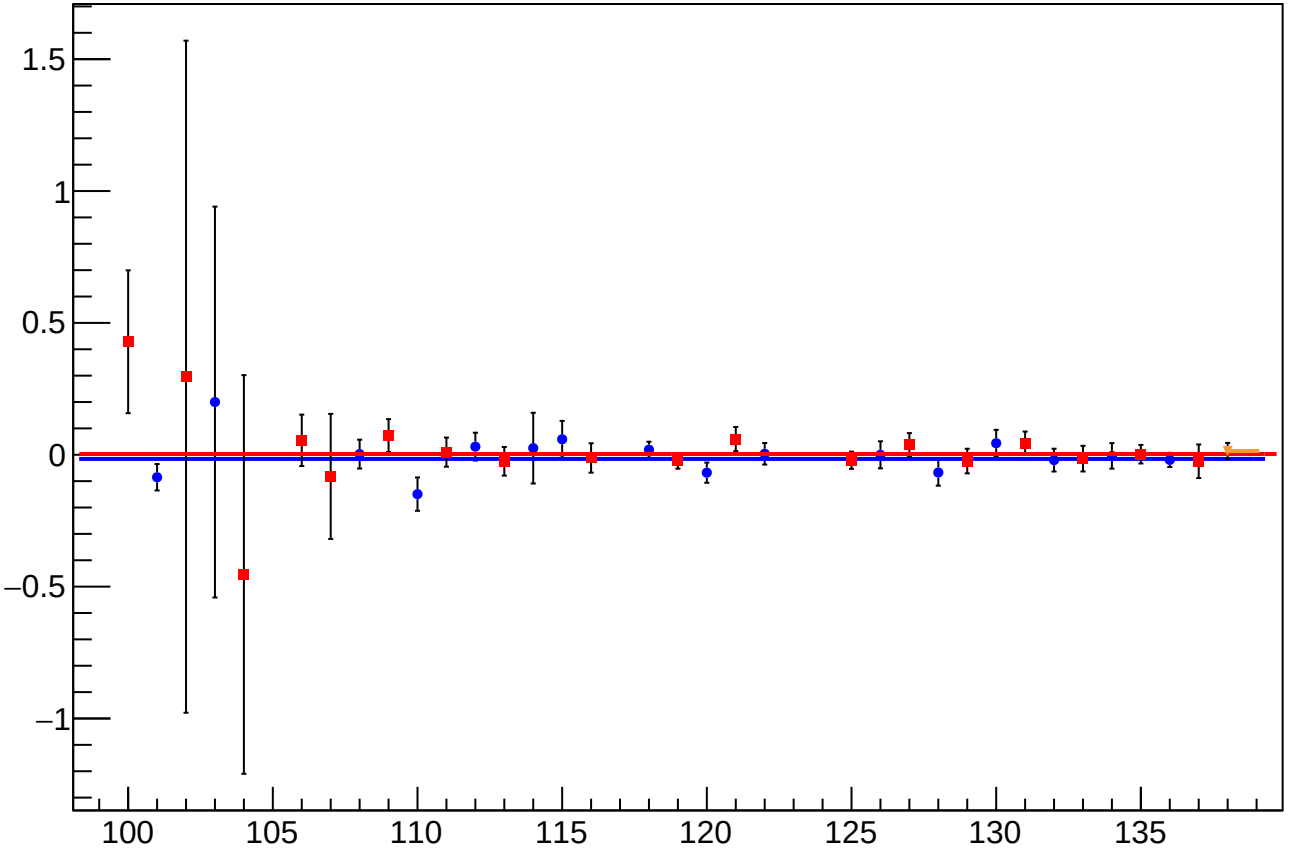
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 27.305+/-0.008 χ^2/NDF:1568325.9/15

Out: 26.292+/-0.008 χ^2/NDF:2615910.9/18

All: 26.782+/-0.006 χ^2/NDF: 4192163.4/34

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: 0.014+/-0.031 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.014+/-0.031 χ^2/NDF: 0.0/0

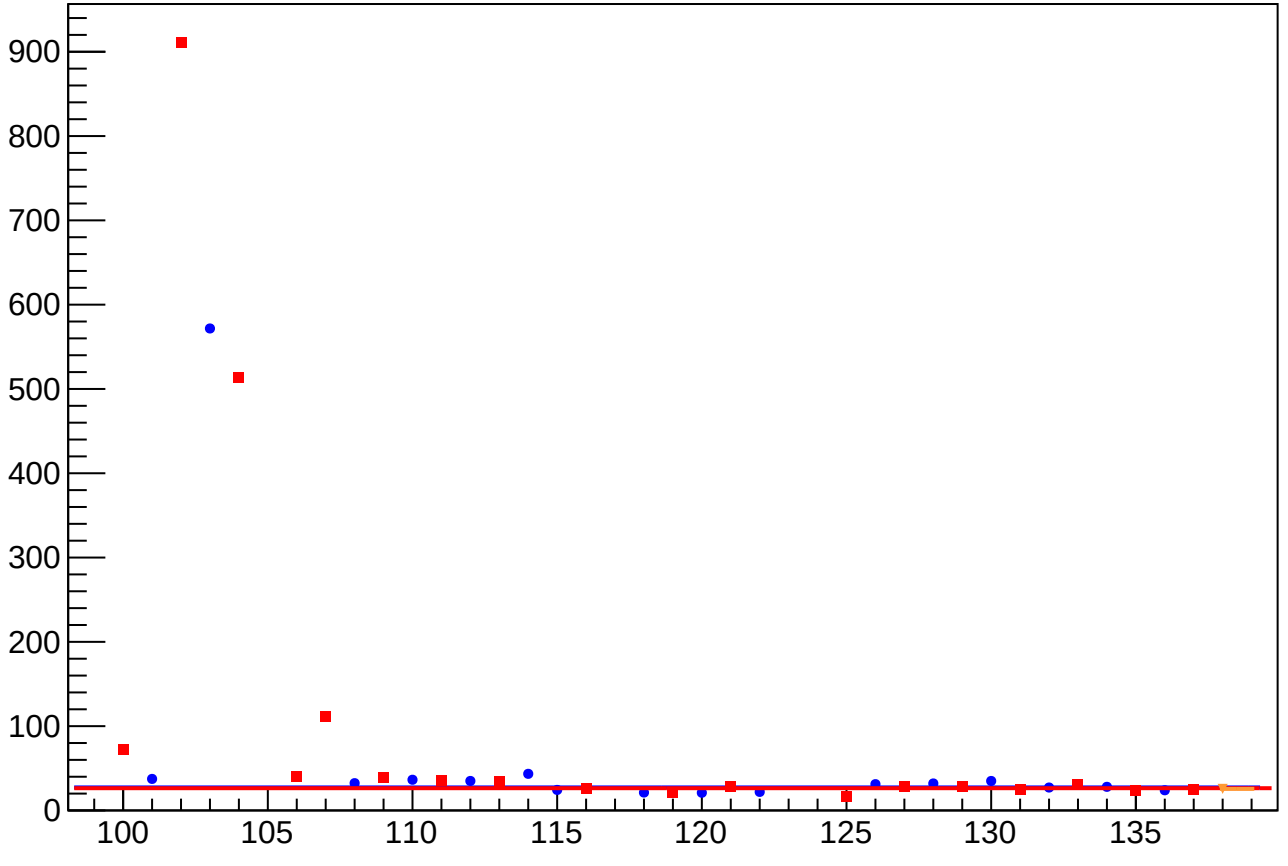
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.016+/-0.012 χ^2/NDF:14.6/15

Out: 0.004+/-0.011 χ^2/NDF:10.0/18

All: -0.005+/-0.008 χ^2/NDF: 26.2/34

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: 25.595+/-0.022 χ^2/NDF:0.0/0

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

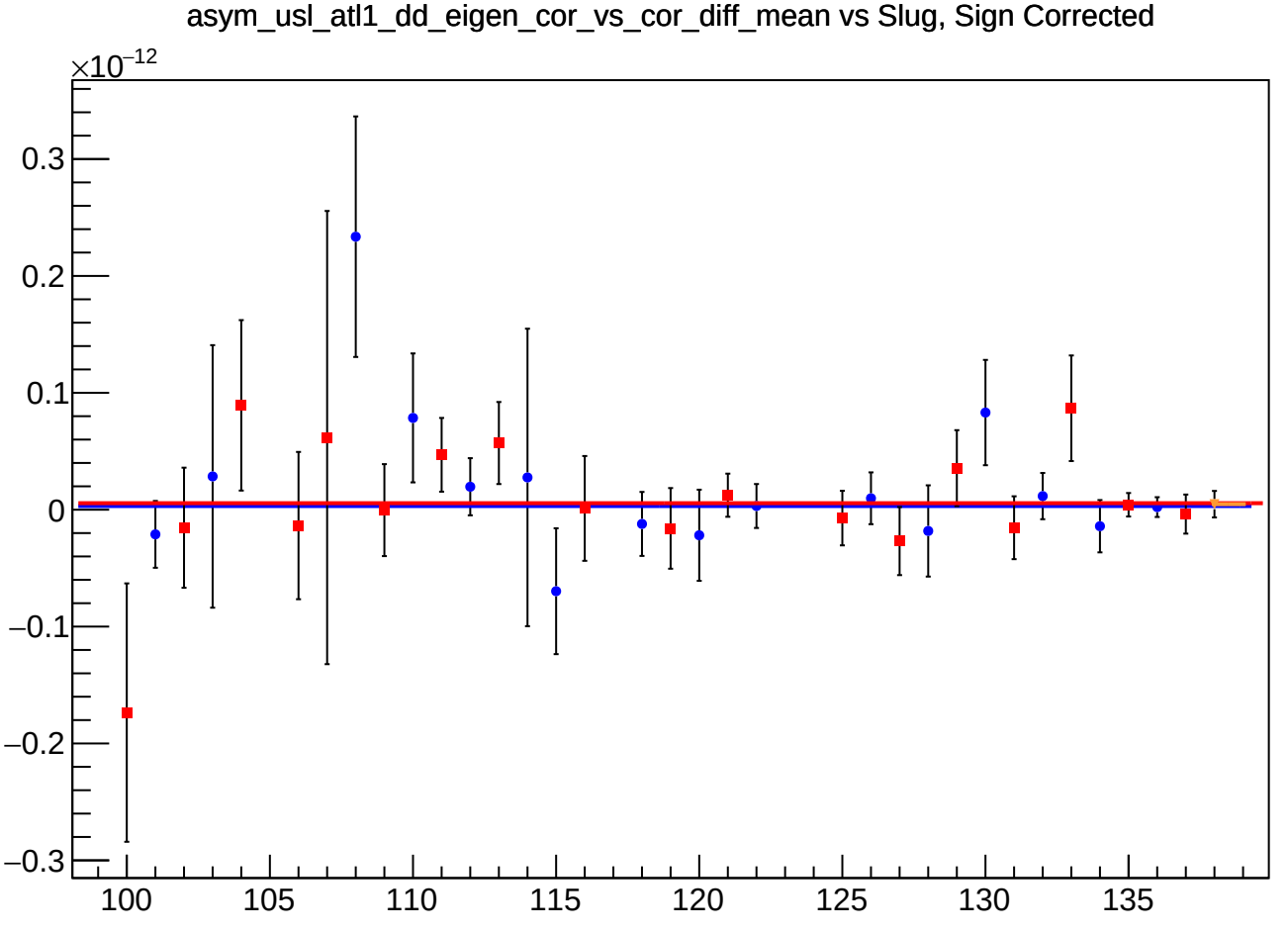
Left: 25.595+/-0.022 χ^2/NDF: 0.0/0

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 27.305+/-0.008 χ^2/NDF:1568325.9/15

Out: 26.292+/-0.008 χ^2/NDF:2615910.9/18

All: 26.782+/-0.006 χ^2/NDF: 4192163.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

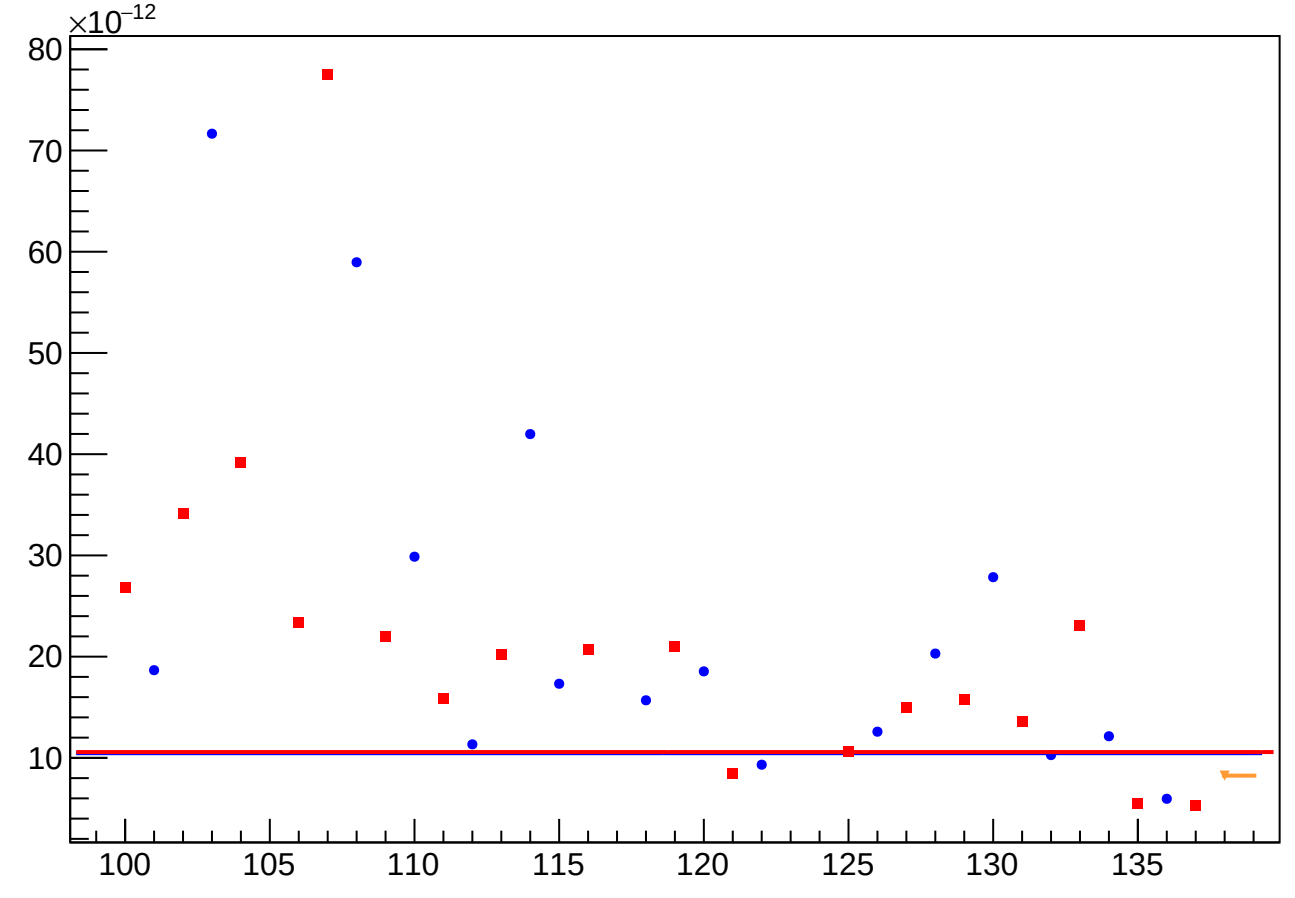
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:15.0/15

Out: 0.000+/-0.000 χ^2/NDF:15.3/18

All: 0.000+/-0.000 χ^2/NDF: 30.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

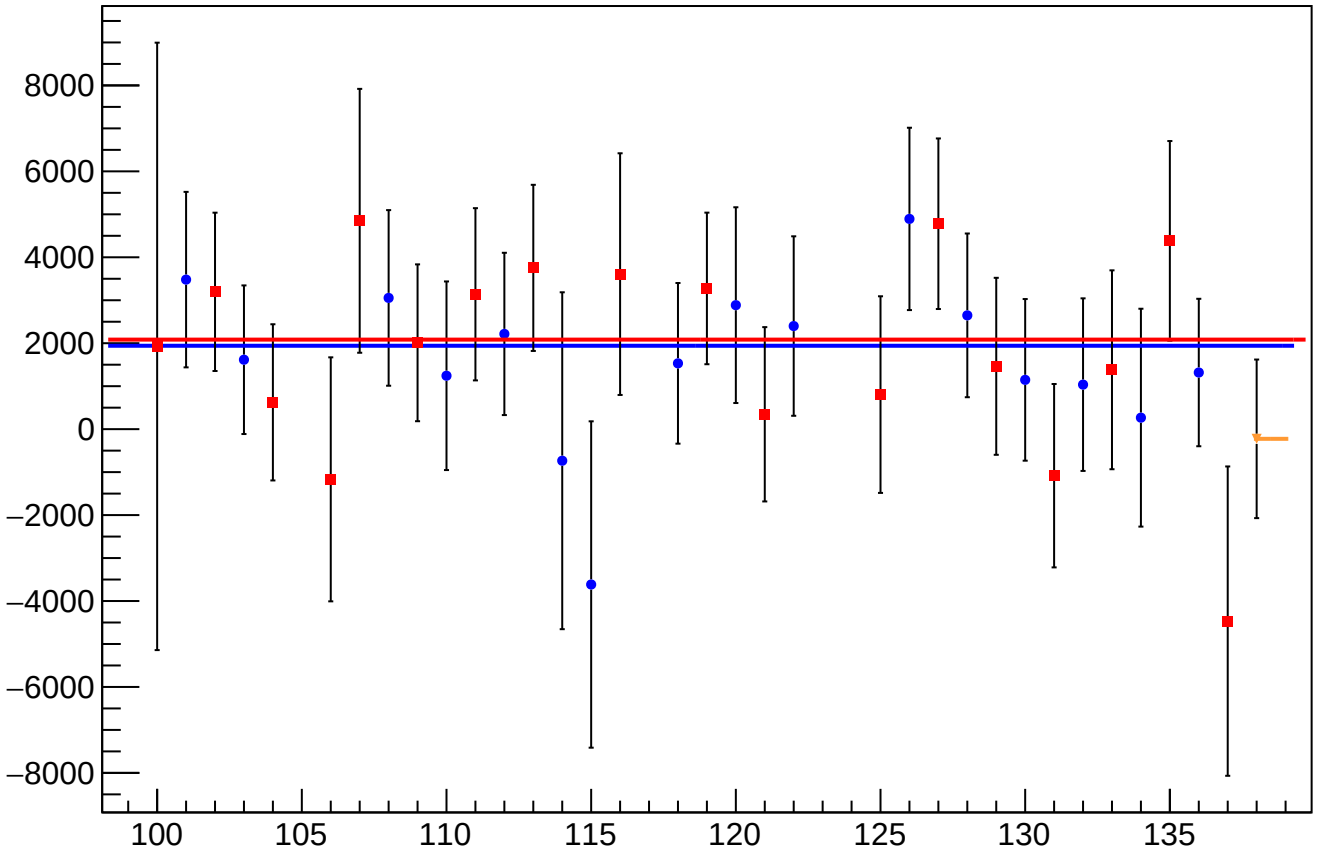
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:2794895.1/15

Out: 0.000+/-0.000 χ^2/NDF:2837065.3/18

All: 0.000+/-0.000 χ^2/NDF: 5637435.5/34



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: -225.226+/-1845.489 χ^2/NDF:0.0/0

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

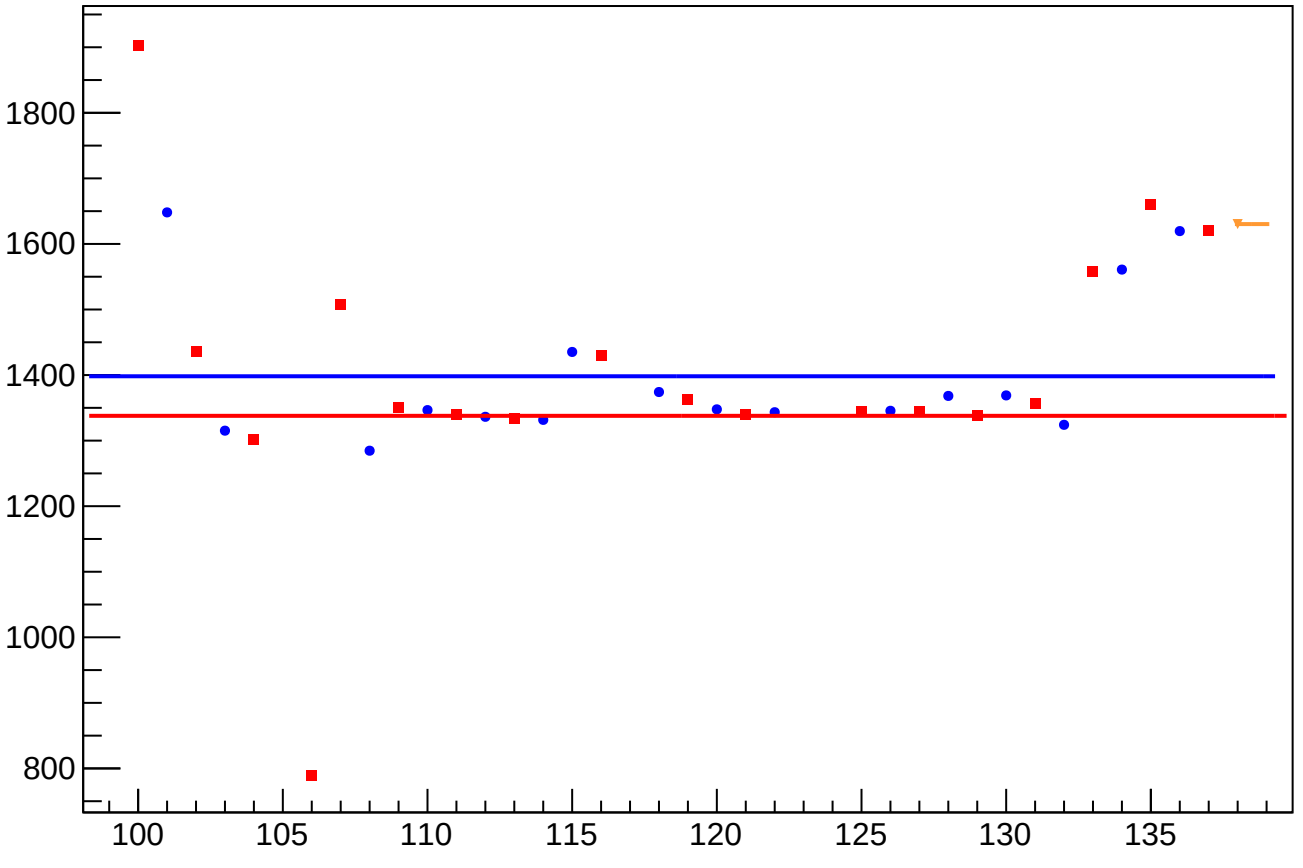
Left: -225.226+/-1845.489 χ^2/NDF: 0.0/0

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 1940.976+/-522.174 χ^2/NDF:6.9/15

Out: 1914.355+/-500.139 χ^2/NDF:15.9/18

All: 1927.092+/-361.191 χ^2/NDF: 22.8/34



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1630.291+/-1.305 χ^2/NDF:0.0/0

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

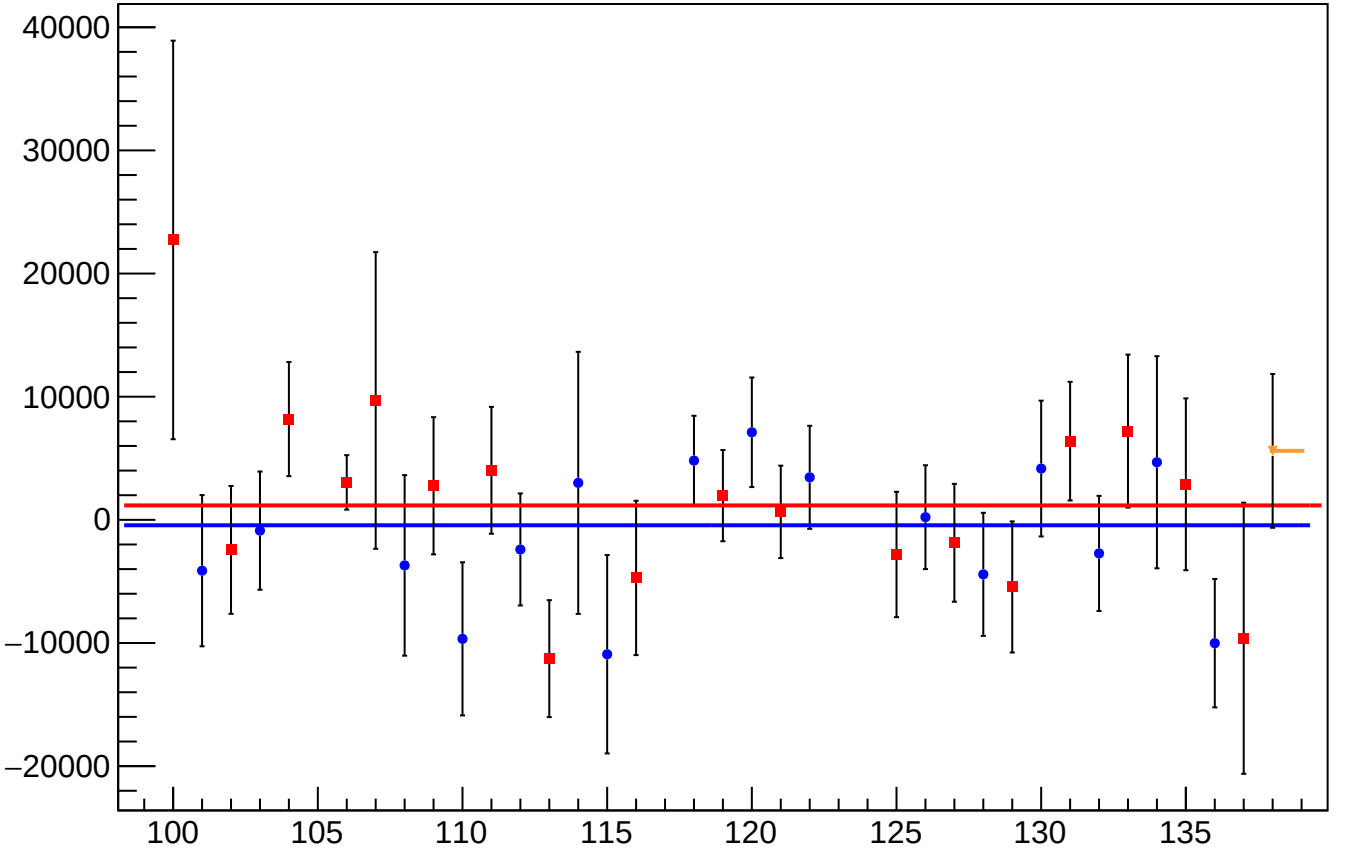
Left: 1630.291+/-1.305 χ^2/NDF: 0.0/0

Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1398.161+/-0.369 χ^2/NDF:93923.6/15

Out: 1358.068+/-0.343 χ^2/NDF:364517.1/18

All: 1376.661+/-0.251 χ^2/NDF: 464763.4/34



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 5602.521+/-6244.627 χ^2/NDF:0.0/0

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

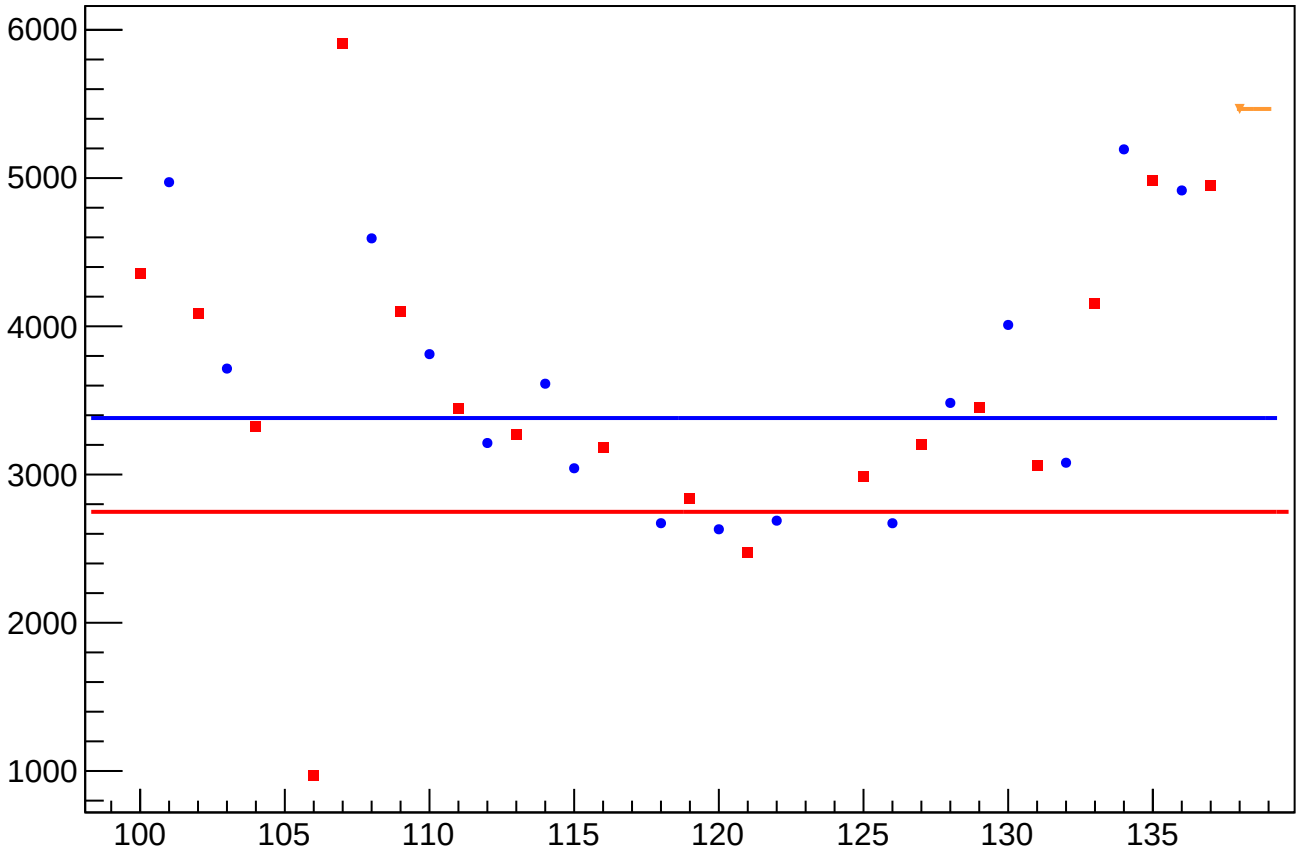
Left: 5602.521+/-6244.627 χ^2/NDF: 0.0/0

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -441.138+/-1295.916 χ^2/NDF:15.9/15

Out: 1309.615+/-1102.304 χ^2/NDF:20.2/18

All: 574.665+/-839.641 χ^2/NDF: 37.1/34



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5466.355+/-4.416 χ^2/NDF:0.0/0

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

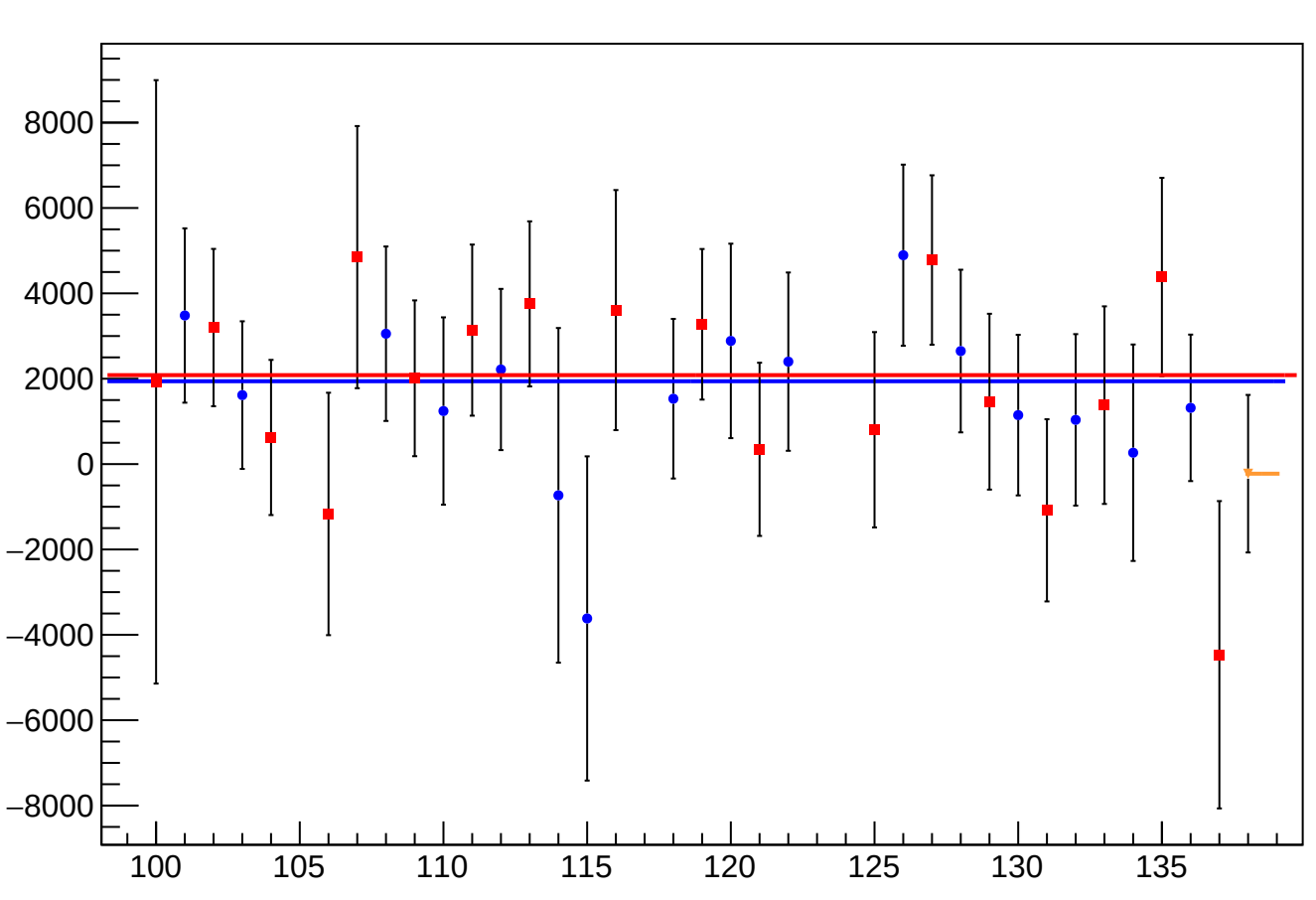
Left: 5466.355+/-4.416 χ^2/NDF: 0.0/0

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3381.117+/-0.916 χ^2/NDF:757146.6/15

Out: 2833.063+/-0.779 χ^2/NDF:2631645.3/18

All: 3063.131+/-0.594 χ^2/NDF: 3596334.8/34



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: -225.079+/-1845.489 χ^2/NDF:0.0/0

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

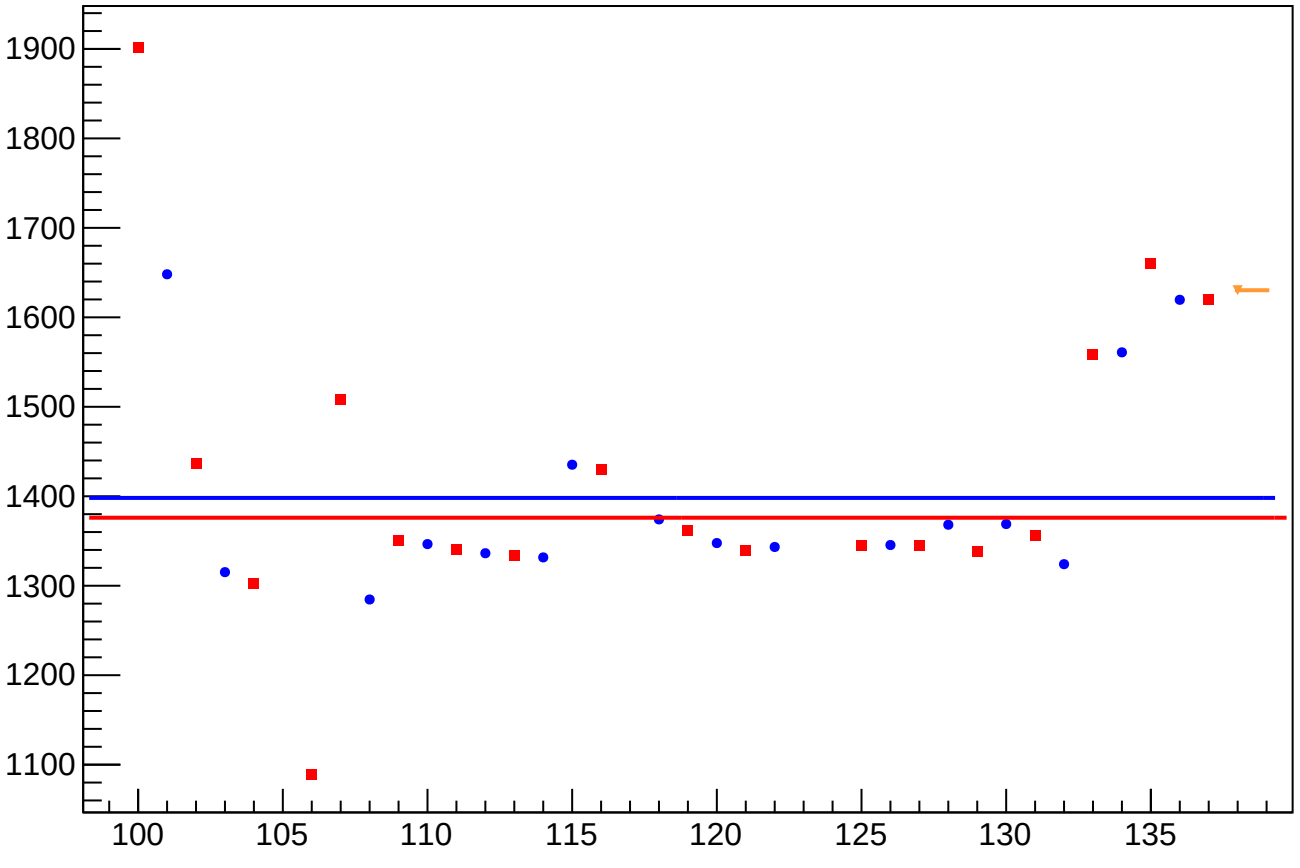
Left: -225.079+/-1845.489 χ^2/NDF: 0.0/0

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 1941.031+/-522.174 χ^2/NDF:6.9/15

Out: 1914.563+/-500.142 χ^2/NDF:15.9/18

All: 1927.227+/-361.192 χ^2/NDF: 22.9/34



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1630.291+/-1.305 χ^2/NDF:0.0/0

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

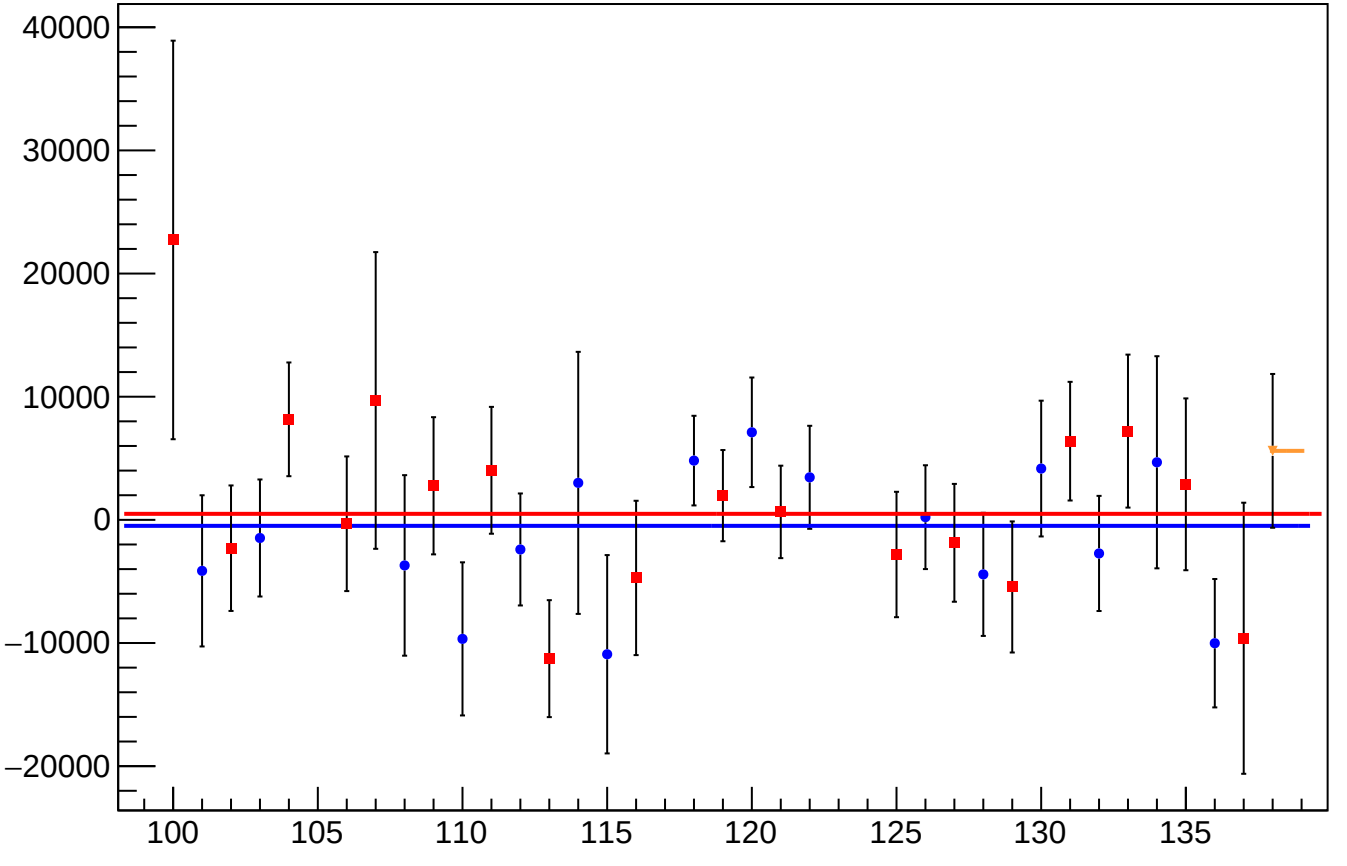
Left: 1630.291+/-1.305 χ^2/NDF: 0.0/0

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1398.161+/-0.369 χ^2/NDF:93923.6/15

Out: 1394.238+/-0.349 χ^2/NDF:149279.8/18

All: 1396.091+/-0.254 χ^2/NDF: 243263.0/34



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 5602.754+/-6244.630 χ^2/NDF:0.0/0

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

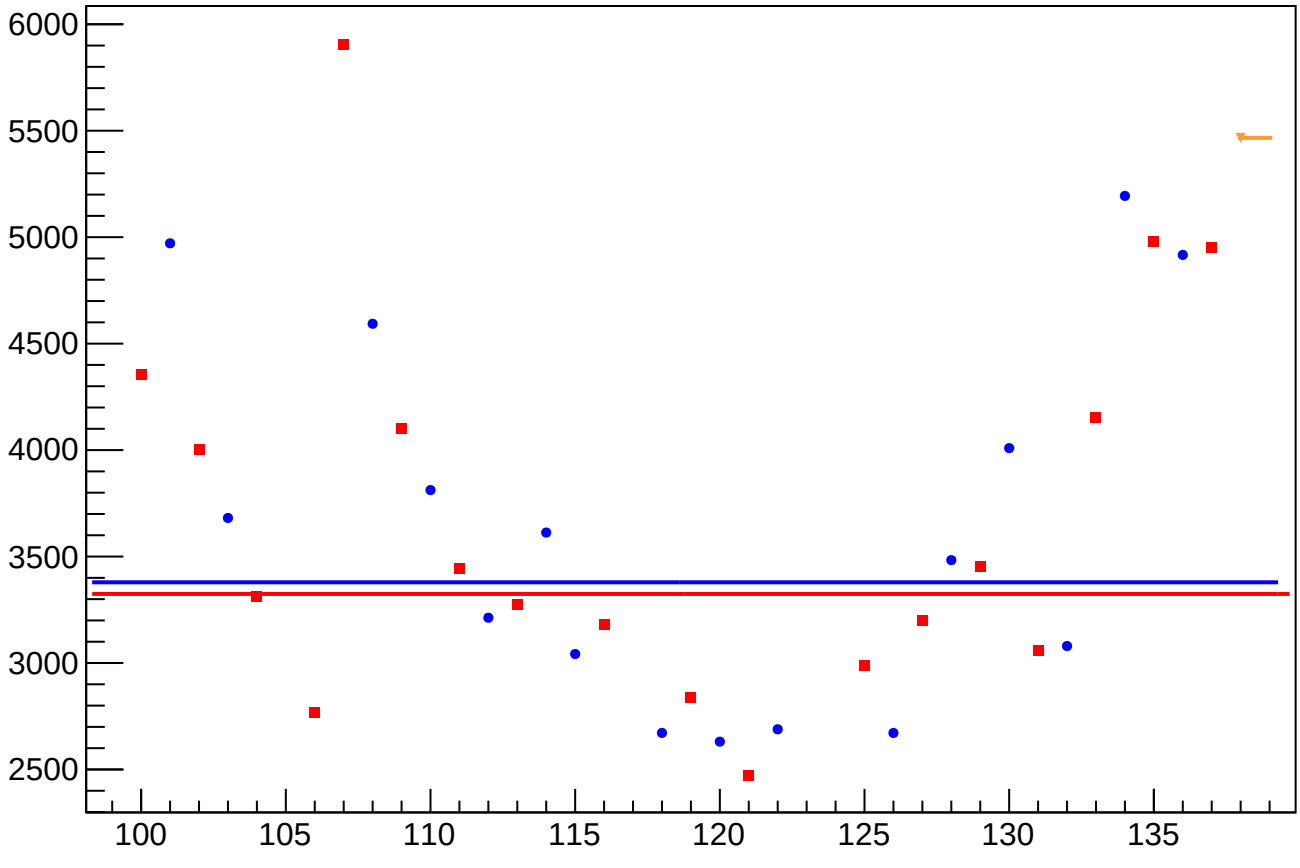
Left: 5602.754+/-6244.630 χ^2/NDF: 0.0/0

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -486.563+/-1294.930 χ^2/NDF:15.9/15

Out: 689.060+/-1236.347 χ^2/NDF:19.4/18

All: 128.442+/-894.223 χ^2/NDF: 35.7/34



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5466.358+/-4.416 χ^2/NDF:0.0/0

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

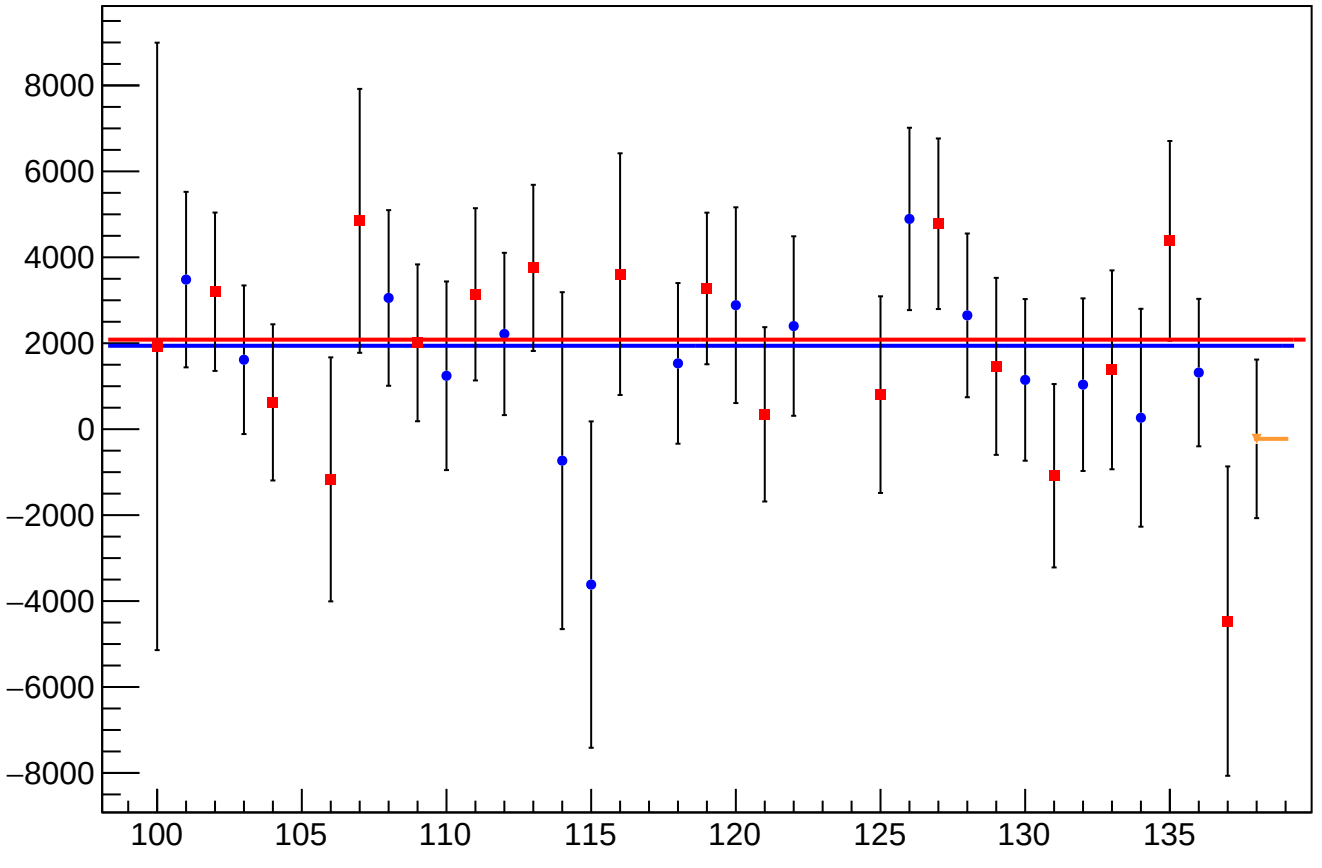
Left: 5466.358+/-4.416 χ^2/NDF: 0.0/0

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3379.110+/-0.916 χ^2/NDF:755339.9/15

Out: 3408.409+/-0.874 χ^2/NDF:769888.0/18

All: 3394.437+/-0.632 χ^2/NDF: 1525763.5/34



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: -225.079+/-1845.489 χ^2/NDF:0.0/0

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

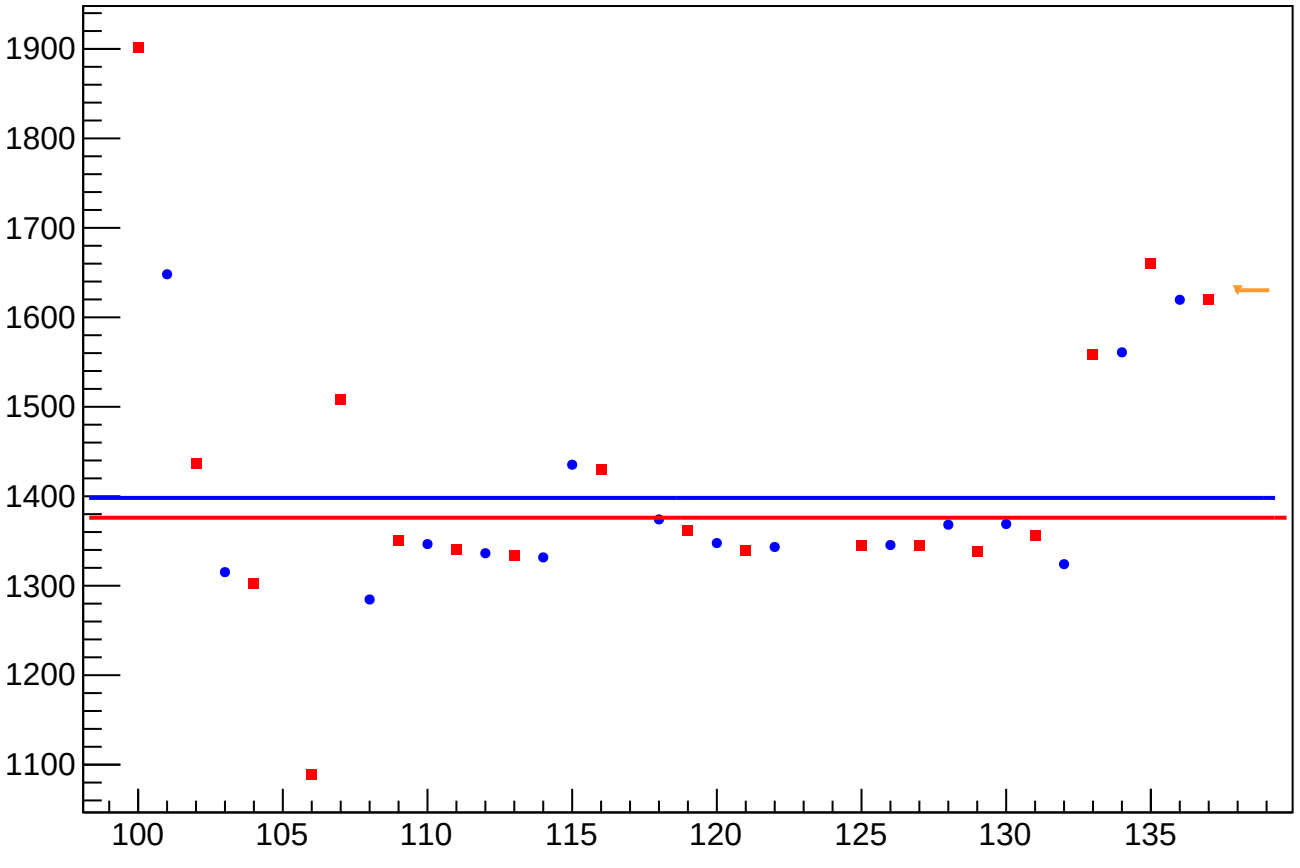
Left: -225.079+/-1845.489 χ^2/NDF: 0.0/0

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 1941.031+/-522.174 χ^2/NDF:6.9/15

Out: 1914.563+/-500.142 χ^2/NDF:15.9/18

All: 1927.227+/-361.192 χ^2/NDF: 22.9/34



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1630.291+/-1.305 χ^2/NDF:0.0/0

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1630.291+/-1.305 χ^2/NDF: 0.0/0

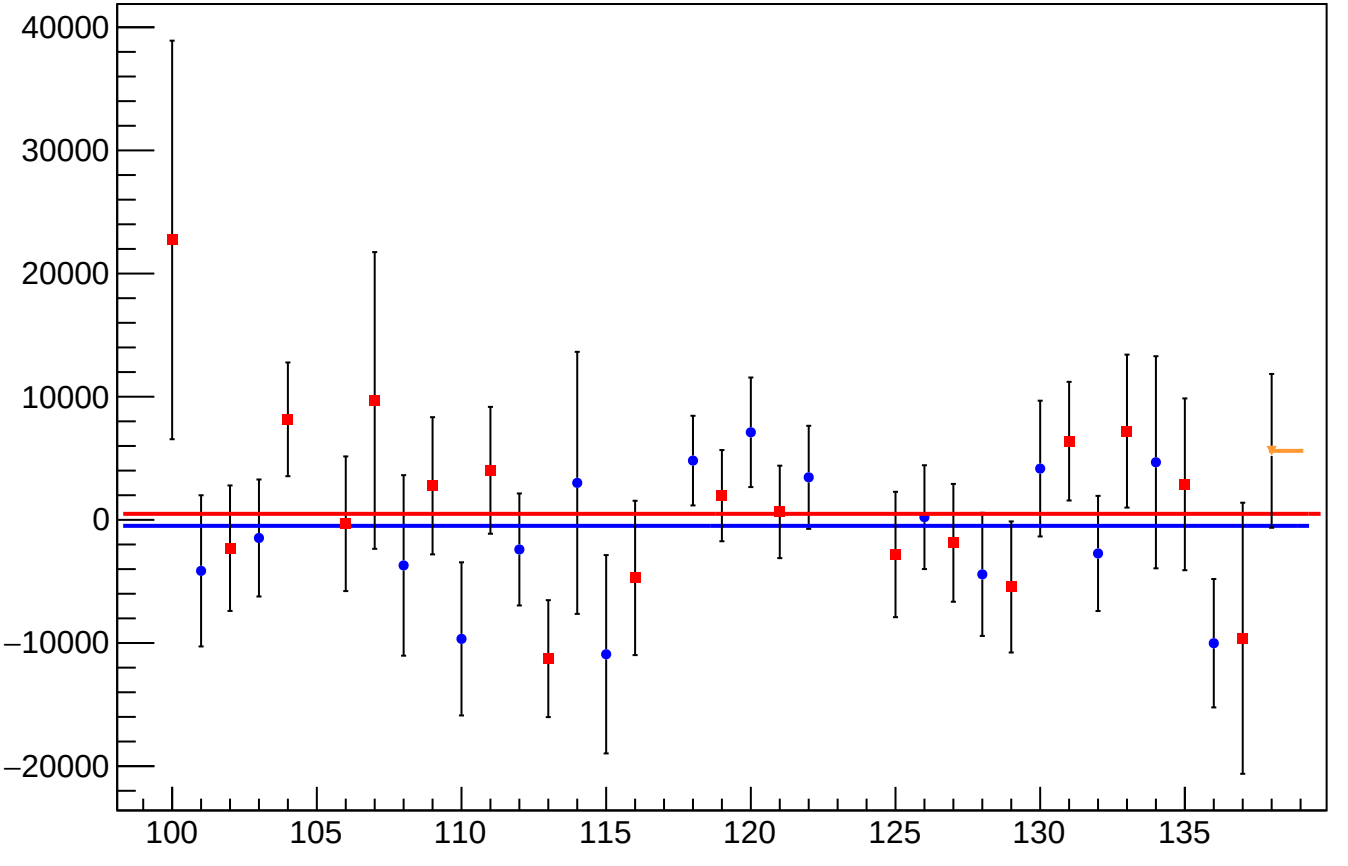
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1398.161+/-0.369 χ^2/NDF:93923.6/15

Out: 1394.238+/-0.349 χ^2/NDF:149279.8/18

All: 1396.091+/-0.254 χ^2/NDF: 243263.0/34

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: 5602.754+/-6244.630 χ^2/NDF:0.0/0

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

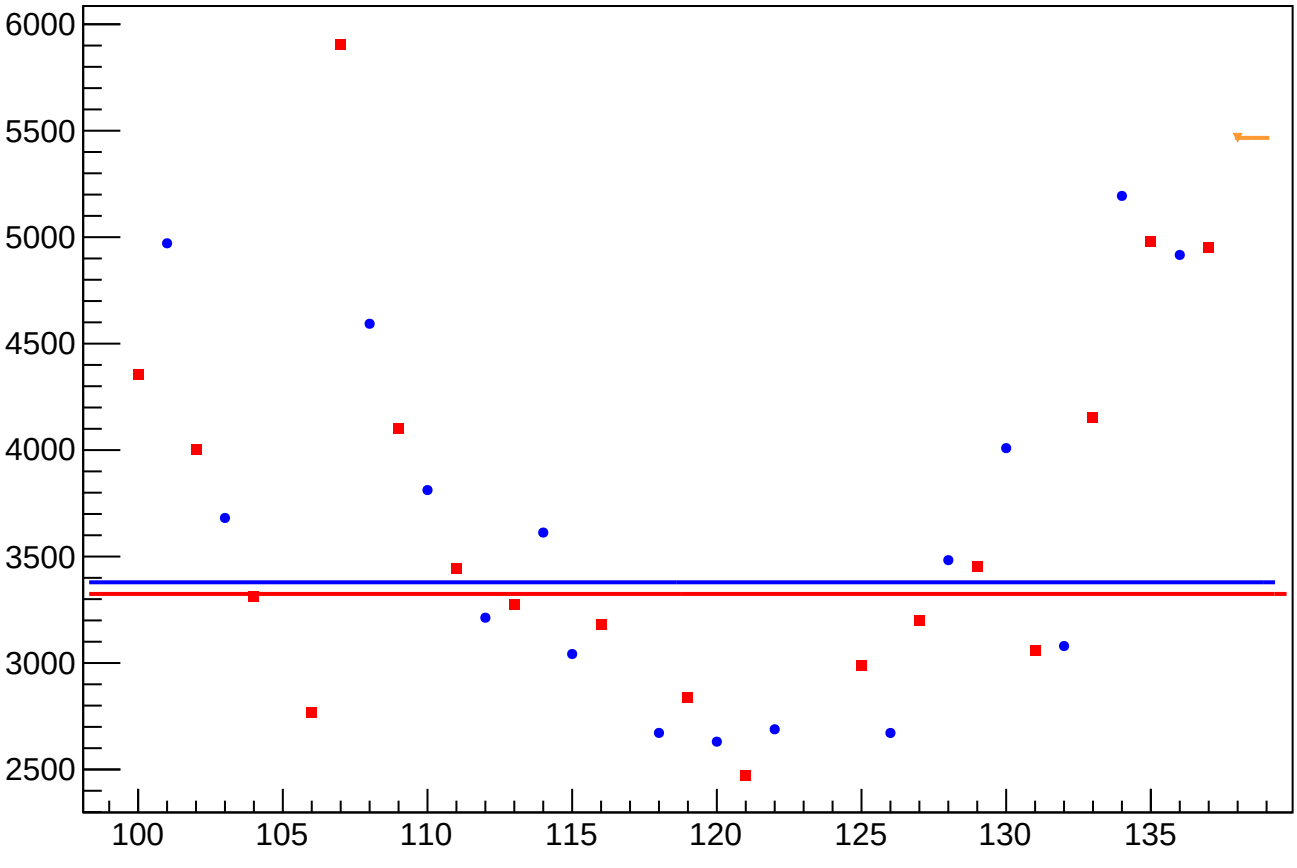
Left: 5602.754+/-6244.630 χ^2/NDF: 0.0/0

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -486.563+/-1294.930 χ^2/NDF:15.9/15

Out: 689.060+/-1236.347 χ^2/NDF:19.4/18

All: 128.442+/-894.223 χ^2/NDF: 35.7/34



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5466.358+/-4.416 χ^2/NDF:0.0/0

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

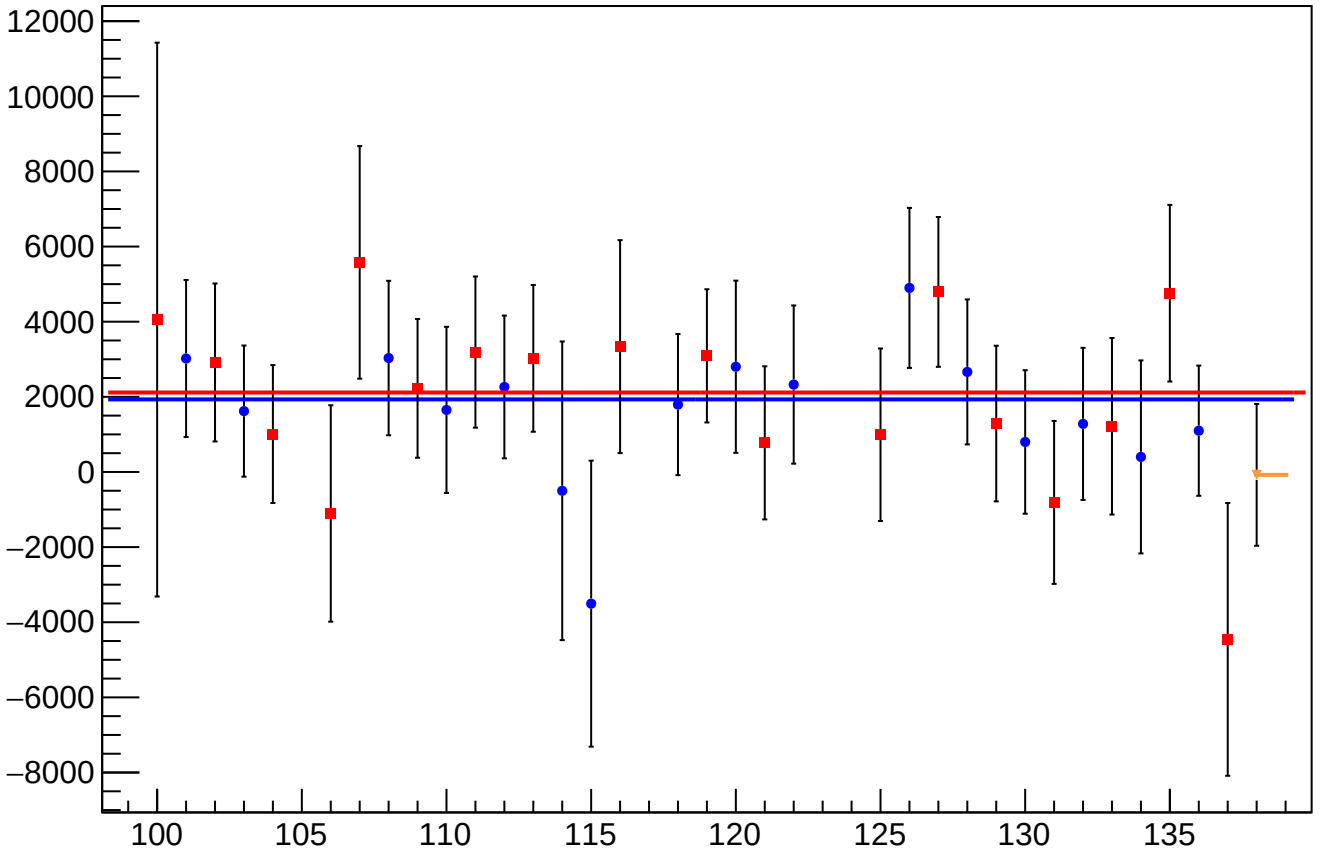
Left: 5466.358+/-4.416 χ^2/NDF: 0.0/0

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3379.110+/-0.916 χ^2/NDF:755339.9/15

Out: 3408.409+/-0.874 χ^2/NDF:769888.0/18

All: 3394.437+/-0.632 χ^2/NDF: 1525763.5/34



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: -77.257+/-1887.725 χ^2/NDF:0.0/0

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

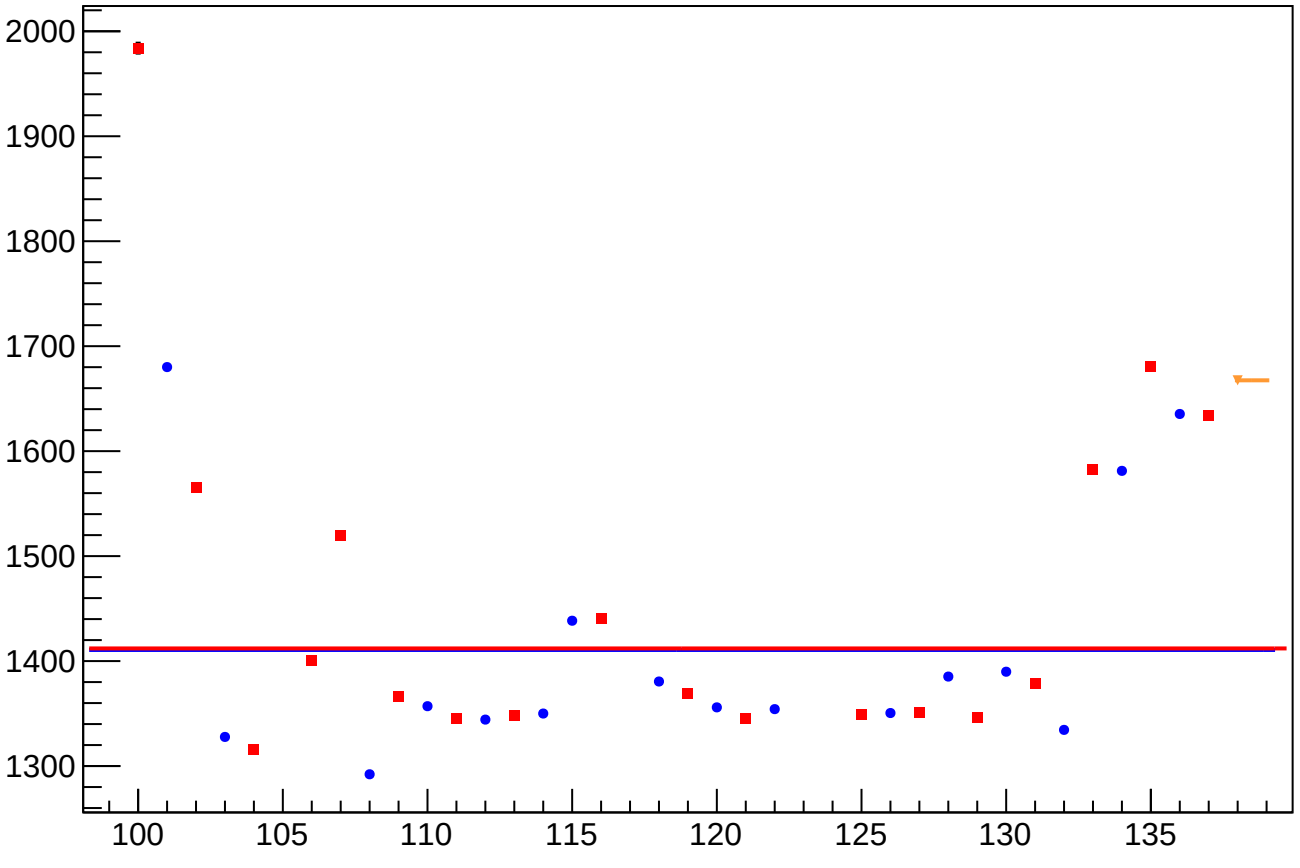
Left: -77.257+/-1887.725 χ^2/NDF: 0.0/0

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 1931.537+/-527.135 χ^2/NDF:6.4/15

Out: 1955.669+/-509.201 χ^2/NDF:14.5/18

All: 1944.020+/-366.236 χ^2/NDF: 20.8/34



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1667.472+/-1.335 χ^2/NDF:0.0/0

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

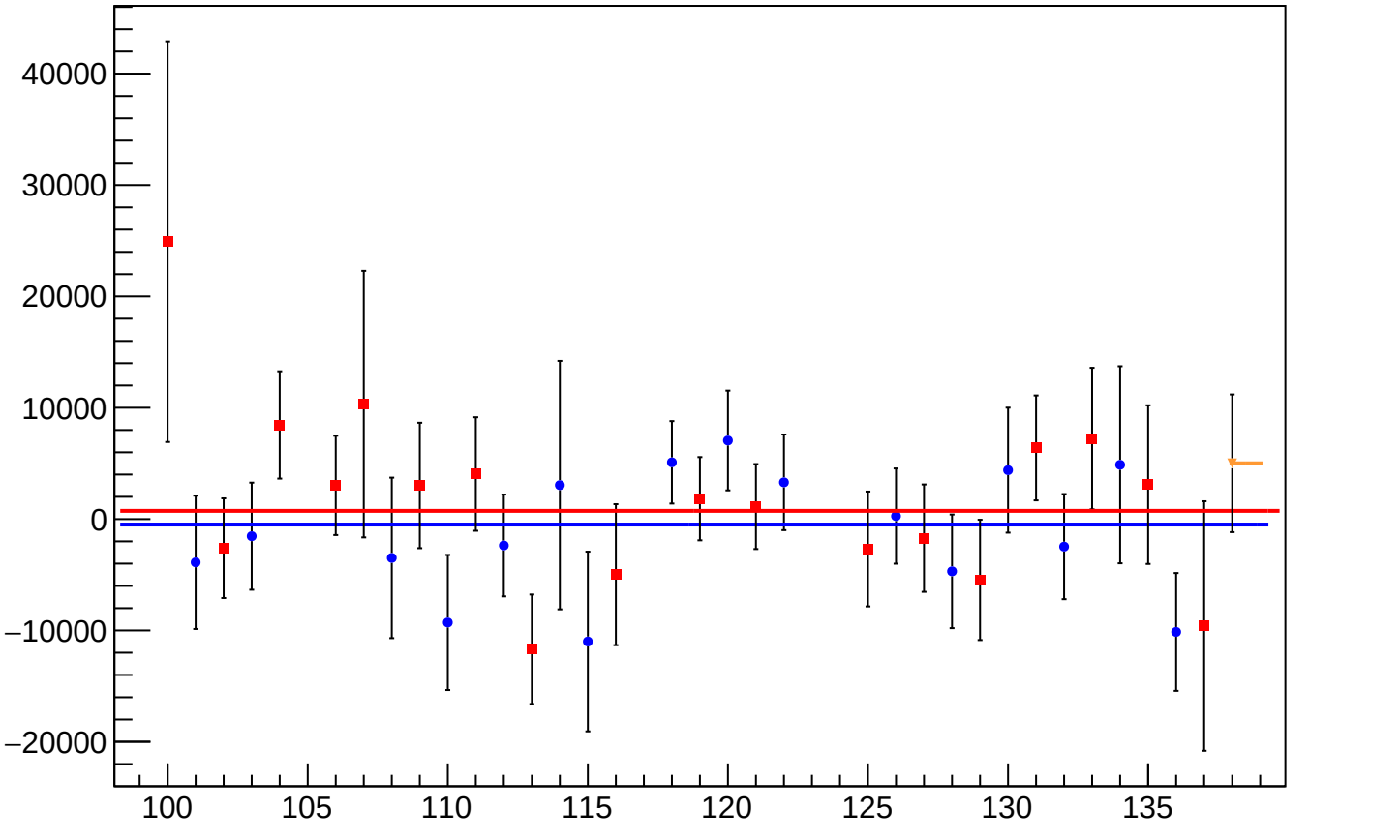
Left: 1667.472+/-1.335 χ^2/NDF: 0.0/0

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1410.595+/-0.373 χ^2/NDF:99150.0/15

Out: 1430.541+/-0.359 χ^2/NDF:123669.7/18

All: 1420.938+/-0.259 χ^2/NDF: 224304.5/34



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 5011.096+/-6183.620 χ^2/NDF:0.0/0

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

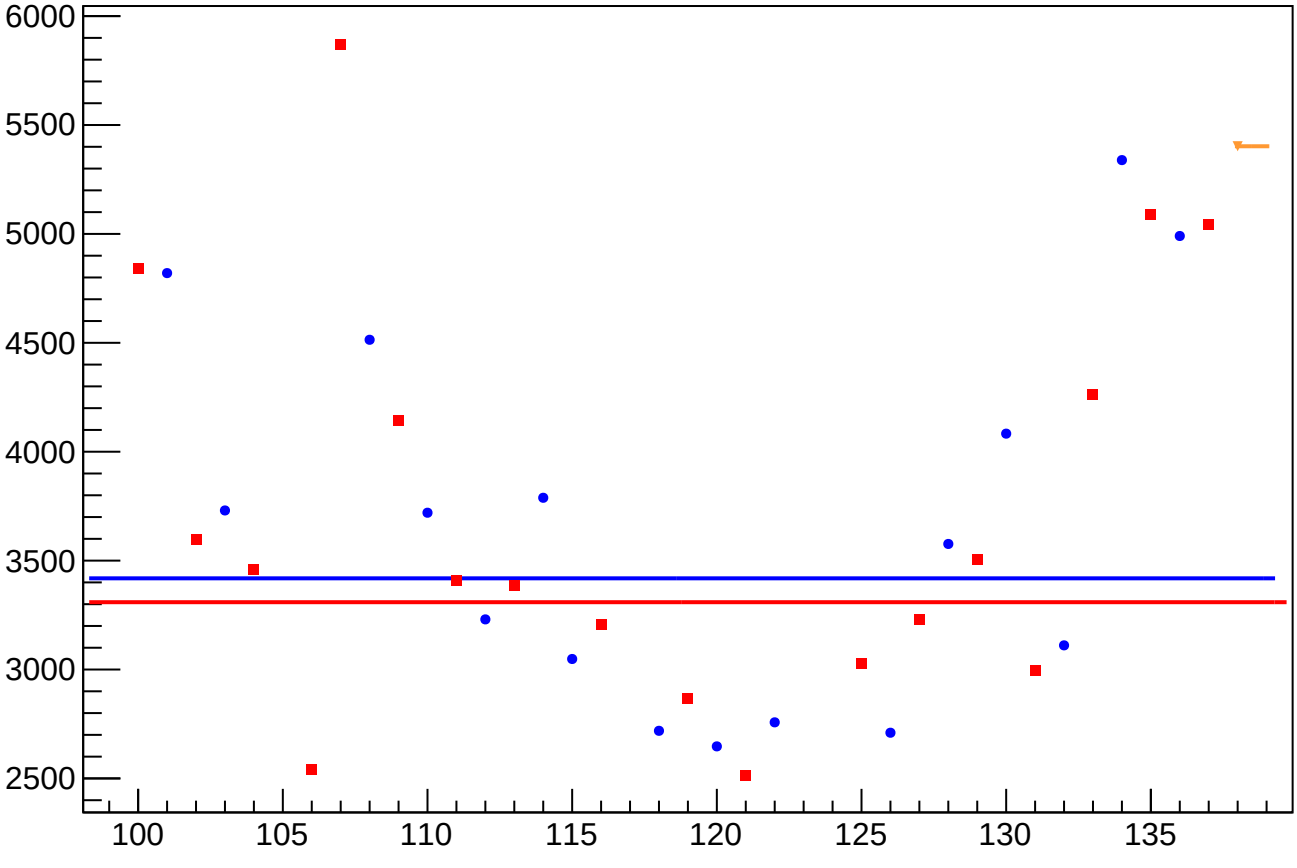
Left: 5011.096+/-6183.620 χ^2/NDF: 0.0/0

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -489.402+/-1308.692 χ^2/NDF:15.8/15

Out: 907.719+/-1223.284 χ^2/NDF:19.6/18

All: 256.232+/-893.662 χ^2/NDF: 36.1/34



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5402.432+/-4.372 χ^2/NDF:0.0/0

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

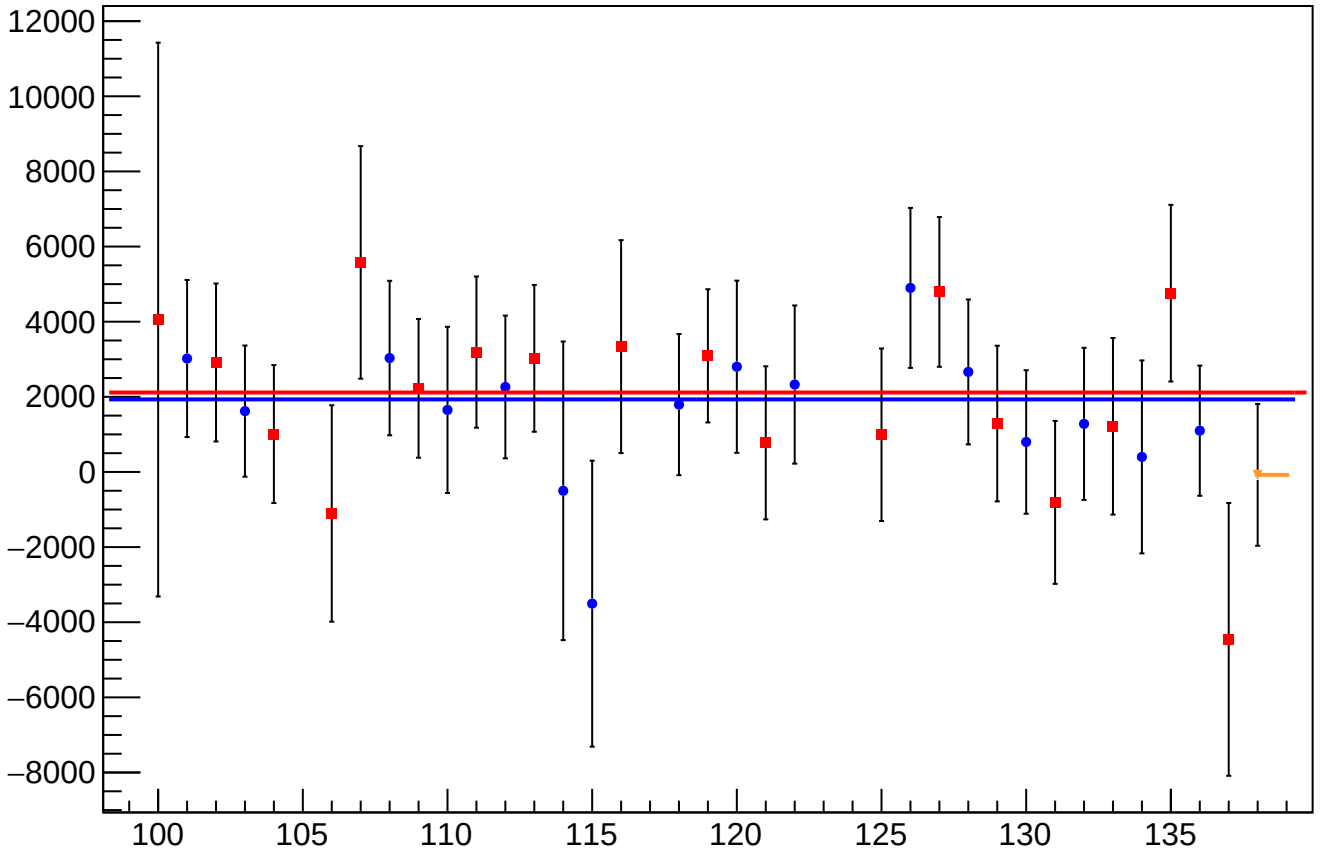
Left: 5402.432+/-4.372 χ^2/NDF: 0.0/0

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3418.701+/-0.925 χ^2/NDF:721215.3/15

Out: 3391.035+/-0.865 χ^2/NDF:792171.3/18

All: 3403.936+/-0.632 χ^2/NDF: 1513863.6/34



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: -77.220+/-1887.725 χ^2/NDF:0.0/0

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

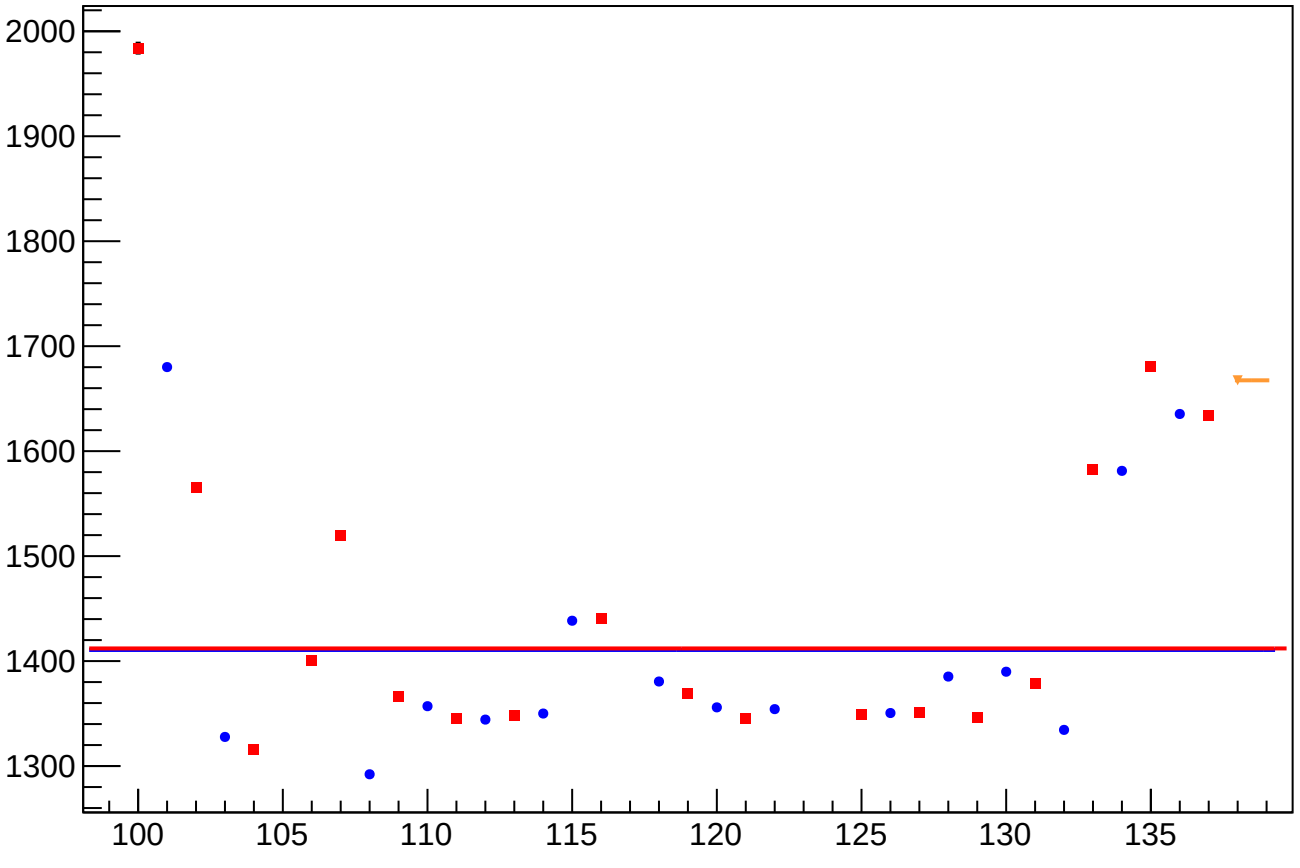
Left: -77.220+/-1887.725 χ^2/NDF: 0.0/0

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 1931.538+/-527.135 χ^2/NDF:6.4/15

Out: 1955.672+/-509.201 χ^2/NDF:14.5/18

All: 1944.022+/-366.236 χ^2/NDF: 20.8/34



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1667.471+/-1.335 χ^2/NDF:0.0/0

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1667.471+/-1.335 χ^2/NDF: 0.0/0

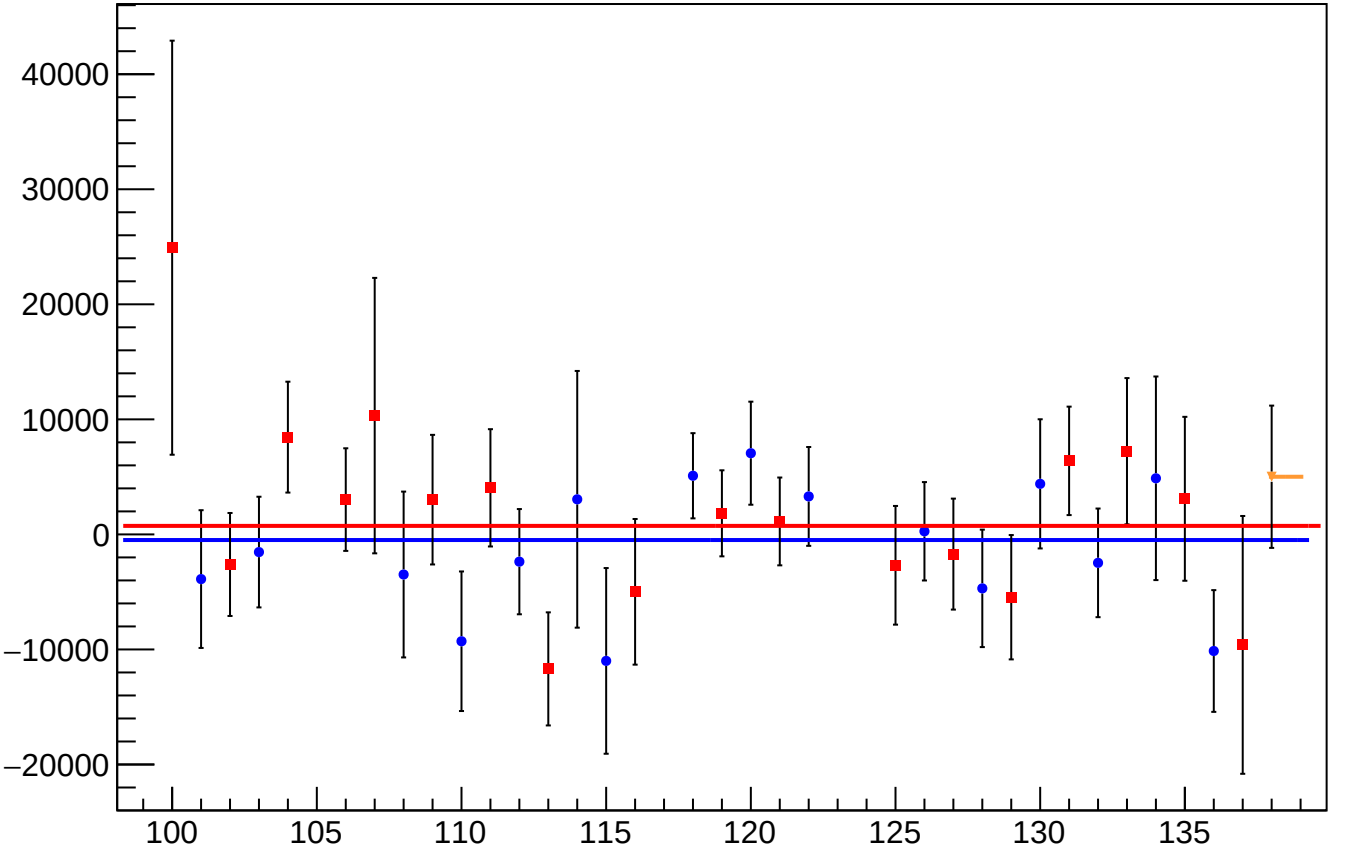
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1410.595+/-0.373 χ^2/NDF:99150.0/15

Out: 1430.541+/-0.359 χ^2/NDF:123669.9/18

All: 1420.938+/-0.259 χ^2/NDF: 224304.6/34

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 5011.127+/-6183.640 χ^2/NDF:0.0/0

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

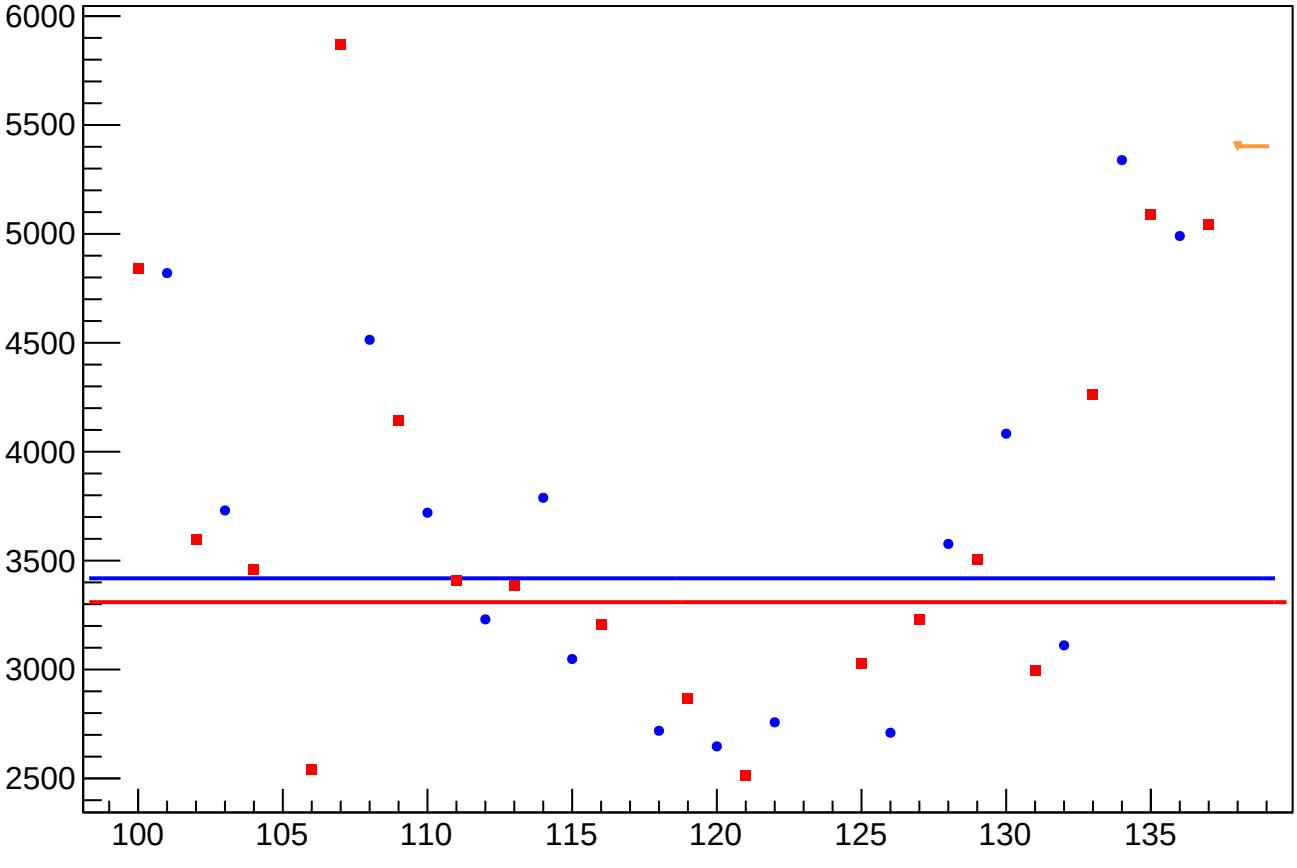
Left: 5011.127+/-6183.640 χ^2/NDF: 0.0/0

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -489.395+/-1308.688 χ^2/NDF:15.8/15

Out: 907.721+/-1223.281 χ^2/NDF:19.6/18

All: 256.236+/-893.659 χ^2/NDF: 36.1/34



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5402.450+/-4.372 χ^2/NDF:0.0/0

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

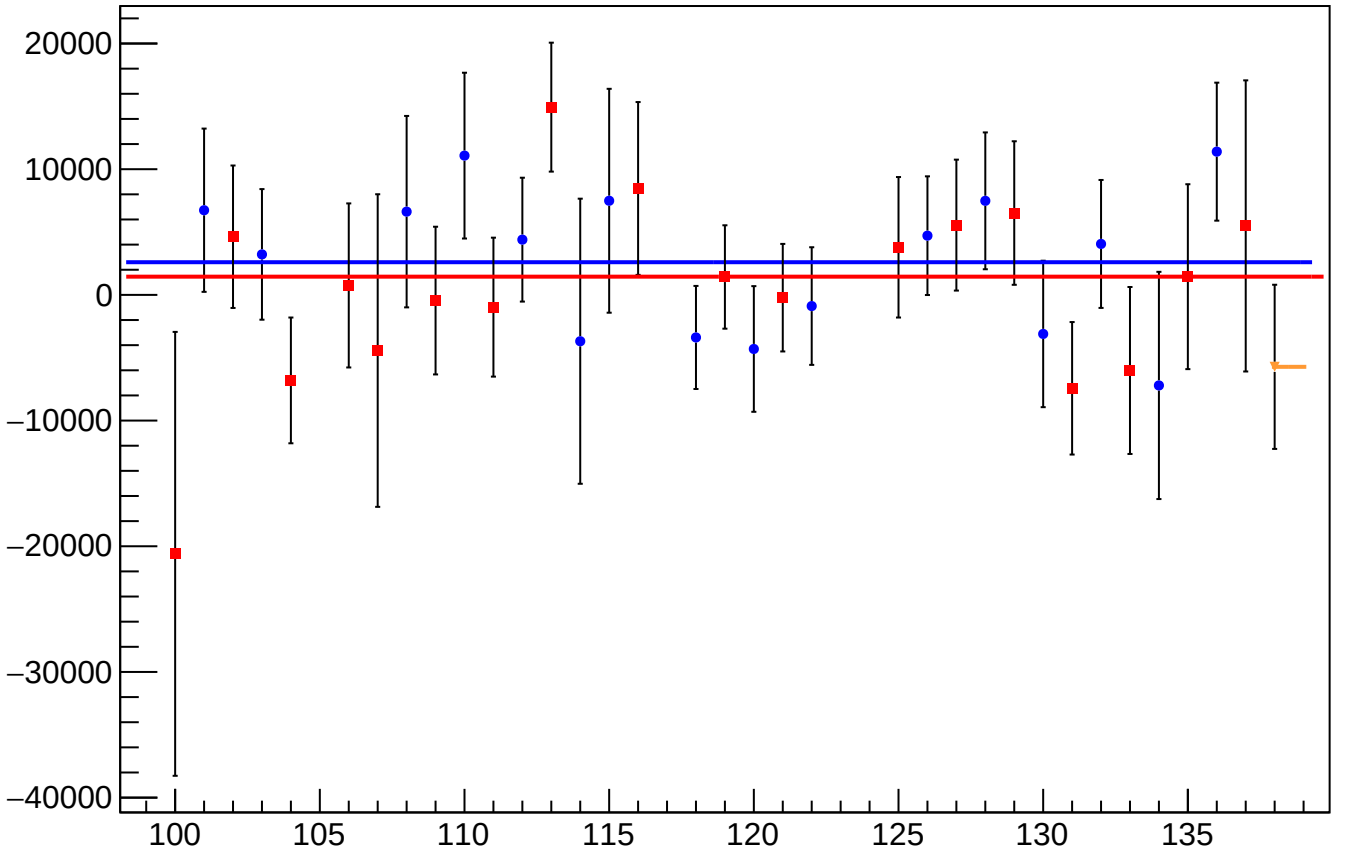
Left: 5402.450+/-4.372 χ^2/NDF: 0.0/0

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 3418.690+/-0.925 χ^2/NDF:721223.9/15

Out: 3391.025+/-0.865 χ^2/NDF:792179.8/18

All: 3403.925+/-0.632 χ^2/NDF: 1513880.7/34



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -5724.000+/-6530.598 χ^2/NDF:0.0/0

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

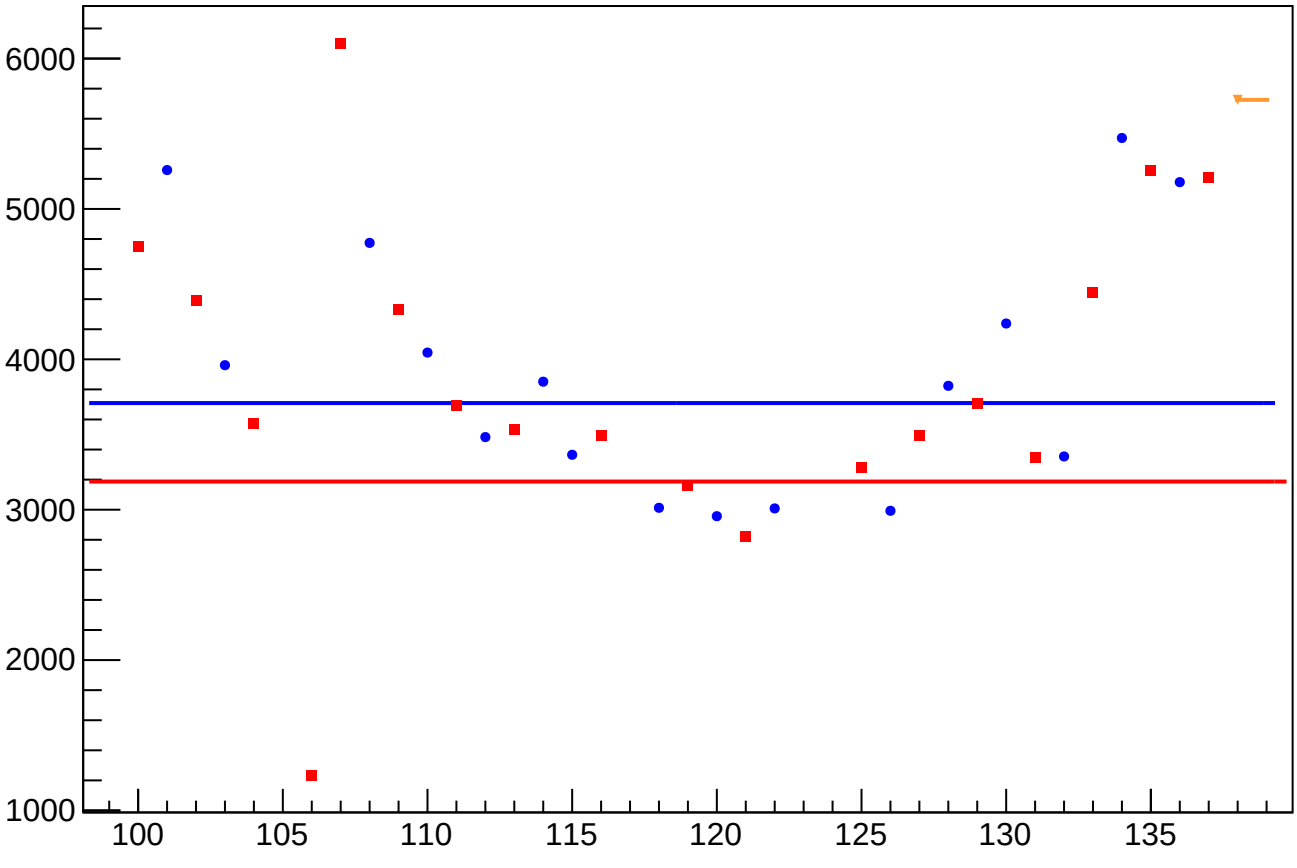
Left: -5724.000+/-6530.598 χ^2/NDF: 0.0/0

Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2599.622+/-1414.499 χ^2/NDF:13.5/15

Out: 1142.551+/-1352.823 χ^2/NDF:20.2/18

All: 1838.629+/-977.667 χ^2/NDF: 34.2/34



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5725.618+/-4.618 χ^2/NDF:0.0/0

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

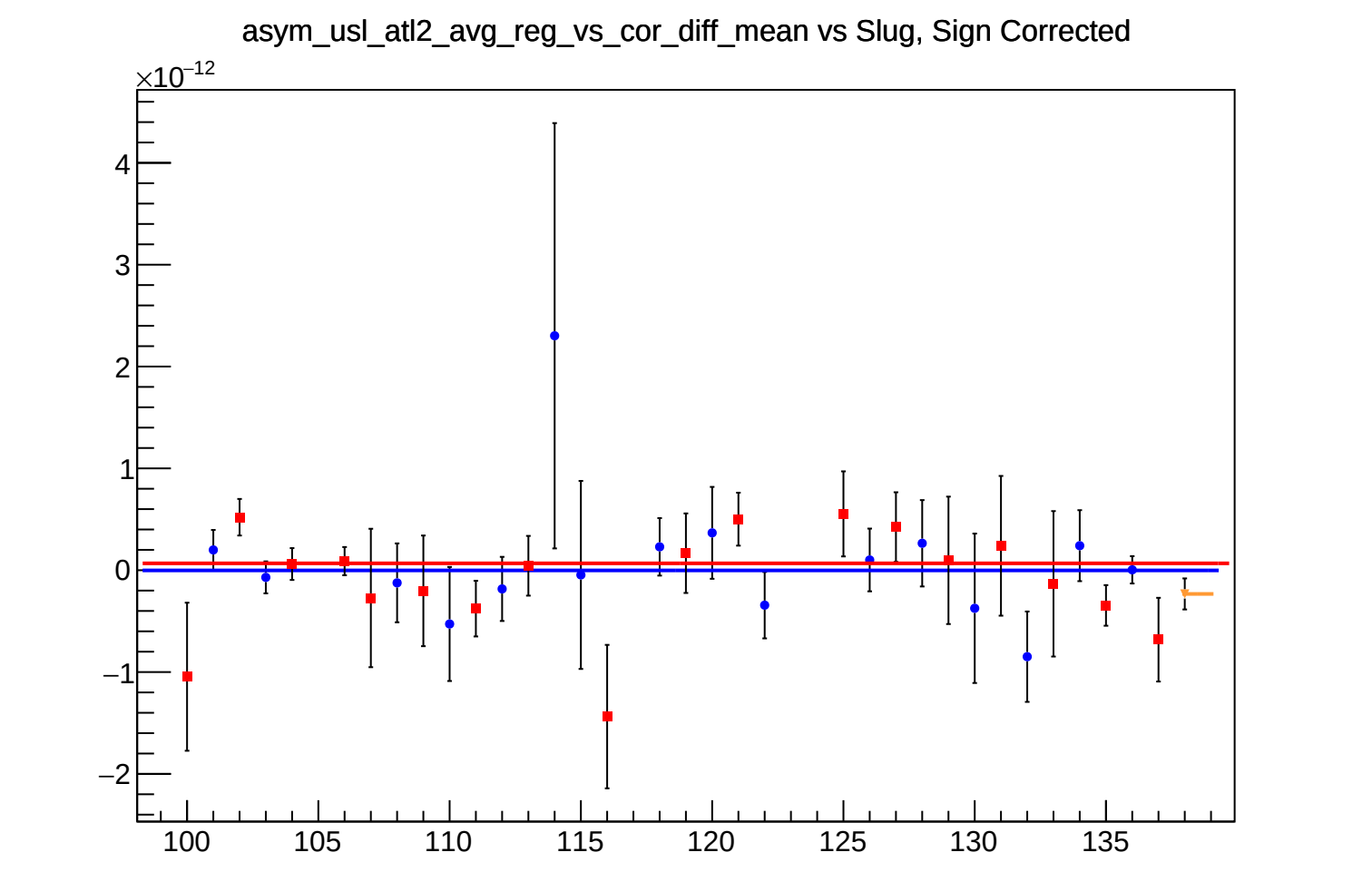
Left: 5725.618+/-4.618 χ^2/NDF: 0.0/0

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 3709.155+/-1.000 χ^2/NDF:610637.3/15

Out: 3279.204+/-0.879 χ^2/NDF:1902036.3/18

All: 3466.609+/-0.660 χ^2/NDF: 2616914.4/34



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

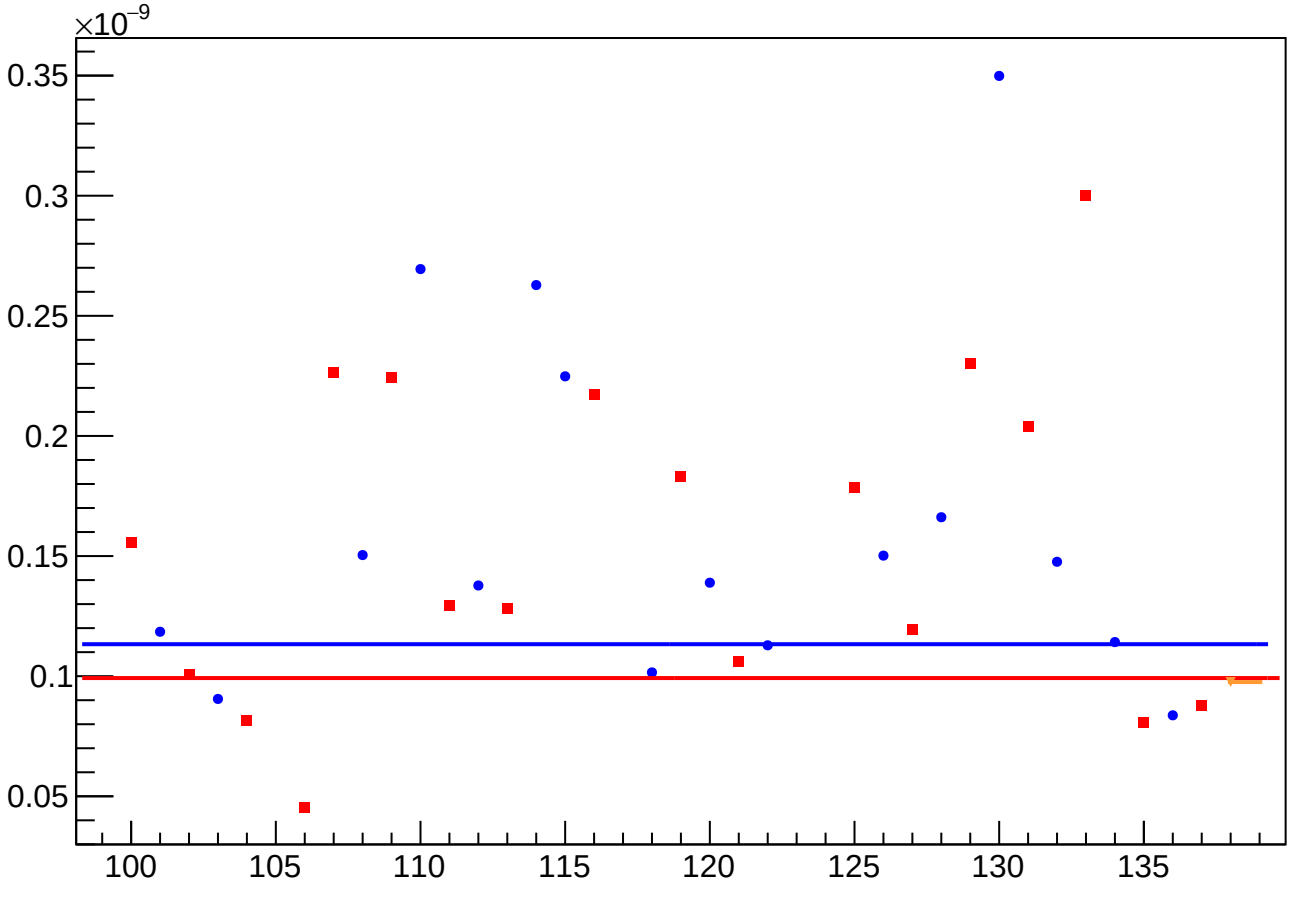
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:11.1/15

Out: 0.000+/-0.000 χ^2/NDF:32.8/18

All: 0.000+/-0.000 χ^2/NDF: 43.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

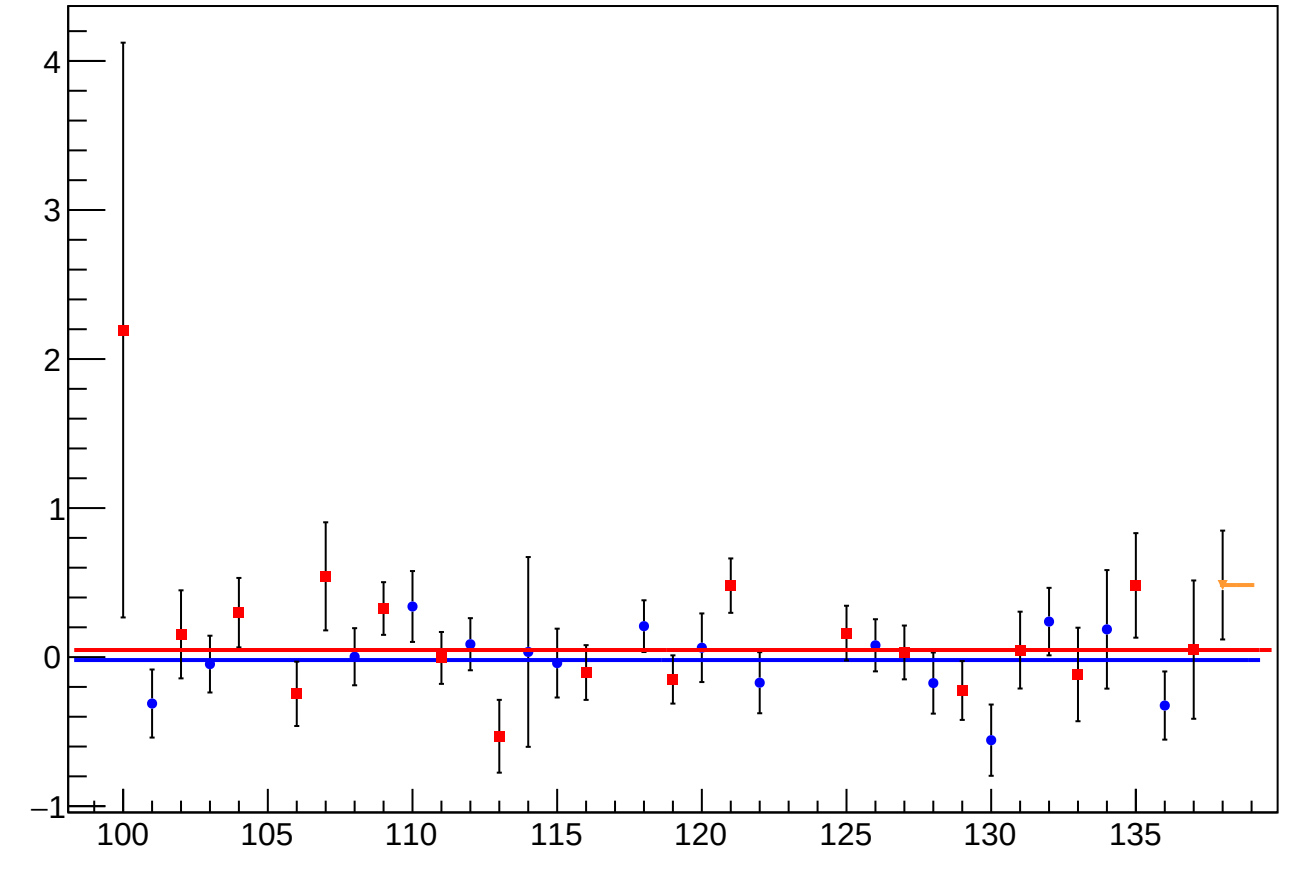
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:655766.5/15

Out: 0.000+/-0.000 χ^2/NDF:1101055.3/18

All: 0.000+/-0.000 χ^2/NDF: 1804749.2/34



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.484+/-0.365 χ^2/NDF:0.0/0

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

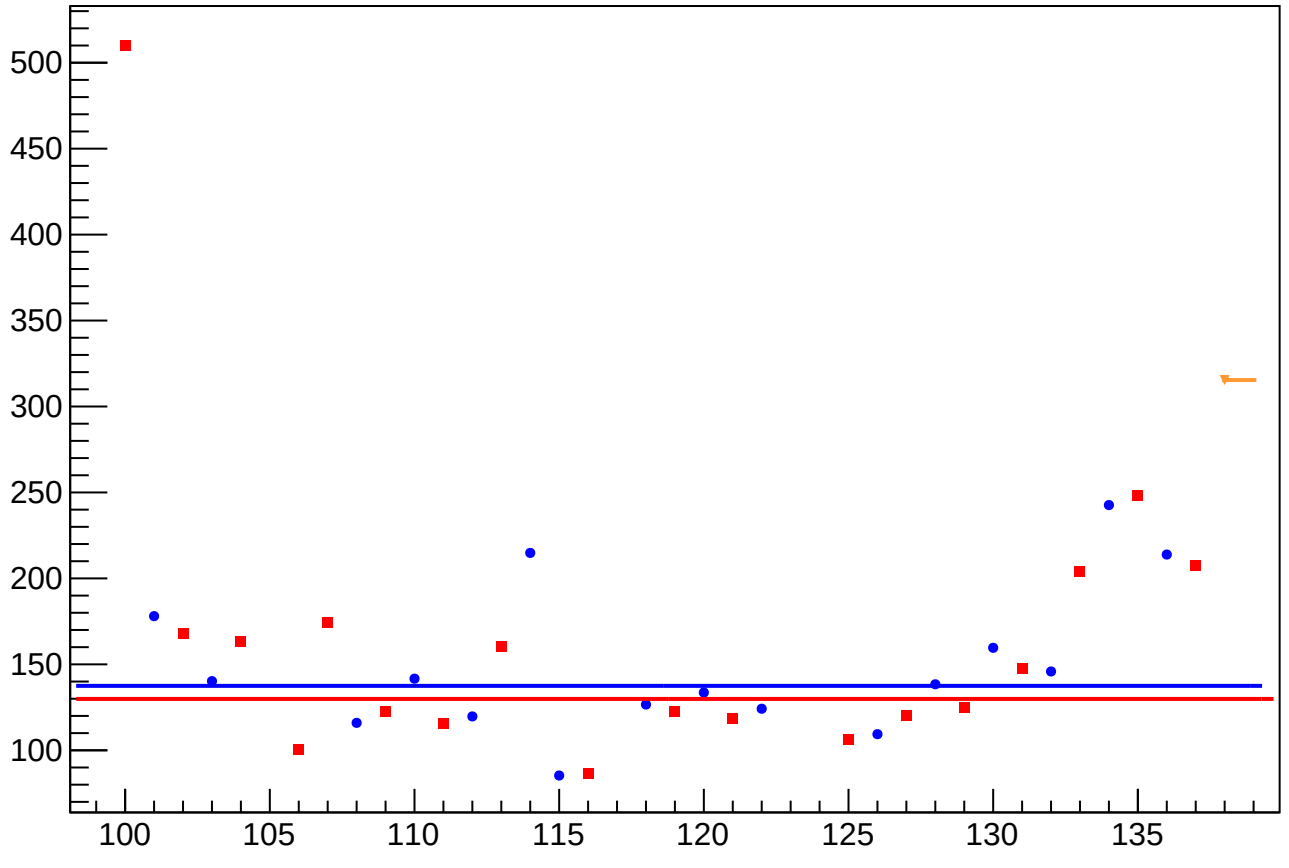
Left: 0.484+/-0.365 χ^2/NDF: 0.0/0

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.020+/-0.054 χ^2/NDF:16.0/15

Out: 0.057+/-0.052 χ^2/NDF:27.7/18

All: 0.020+/-0.038 χ^2/NDF: 44.7/34



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 315.396+/-0.258 χ^2/NDF:0.0/0

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 315.396+/-0.258 χ^2/NDF: 0.0/0

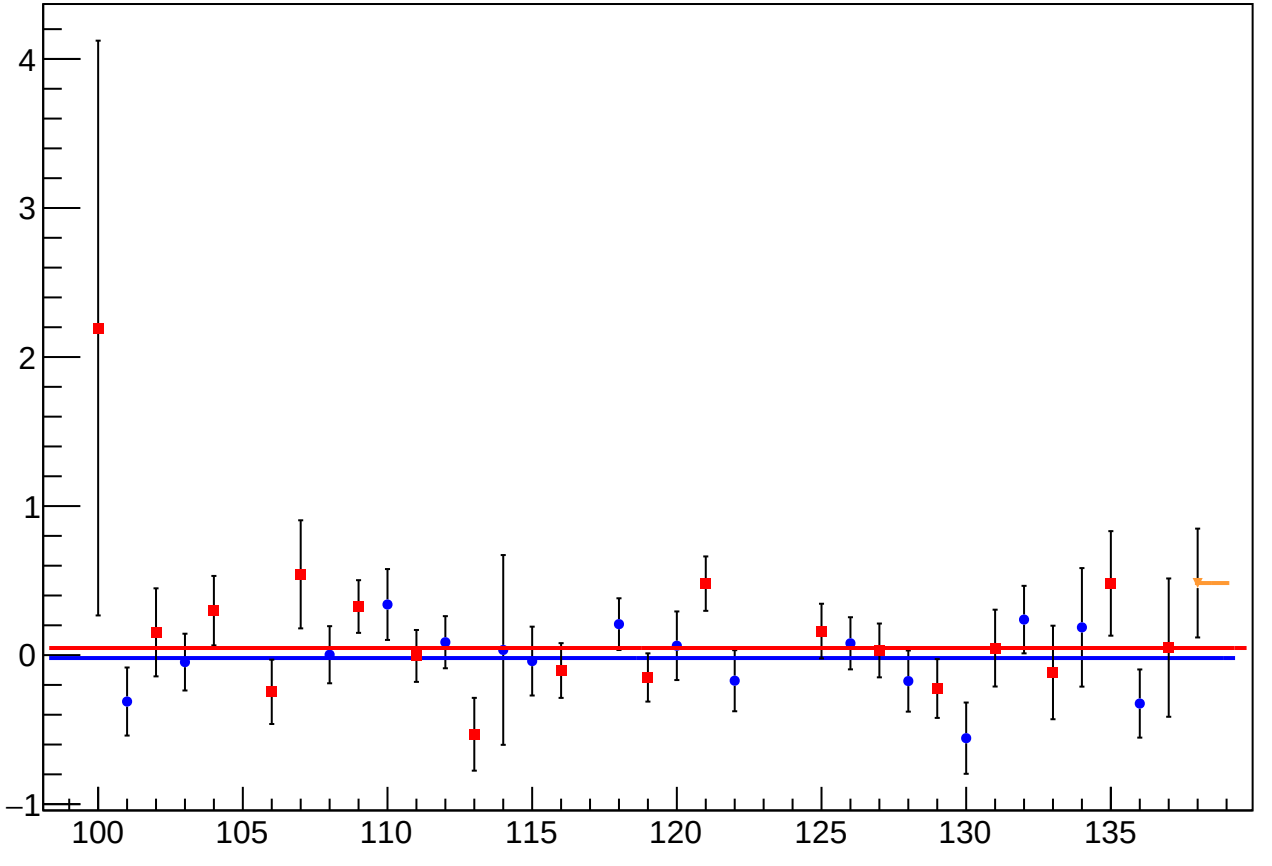
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 137.492+/-0.038 χ^2/NDF:692947.9/15

Out: 133.643+/-0.037 χ^2/NDF:1339685.3/18

All: 135.486+/-0.027 χ^2/NDF: 2037888.4/34

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: 0.484+/-0.365 χ^2/NDF:0.0/0

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.484+/-0.365 χ^2/NDF: 0.0/0

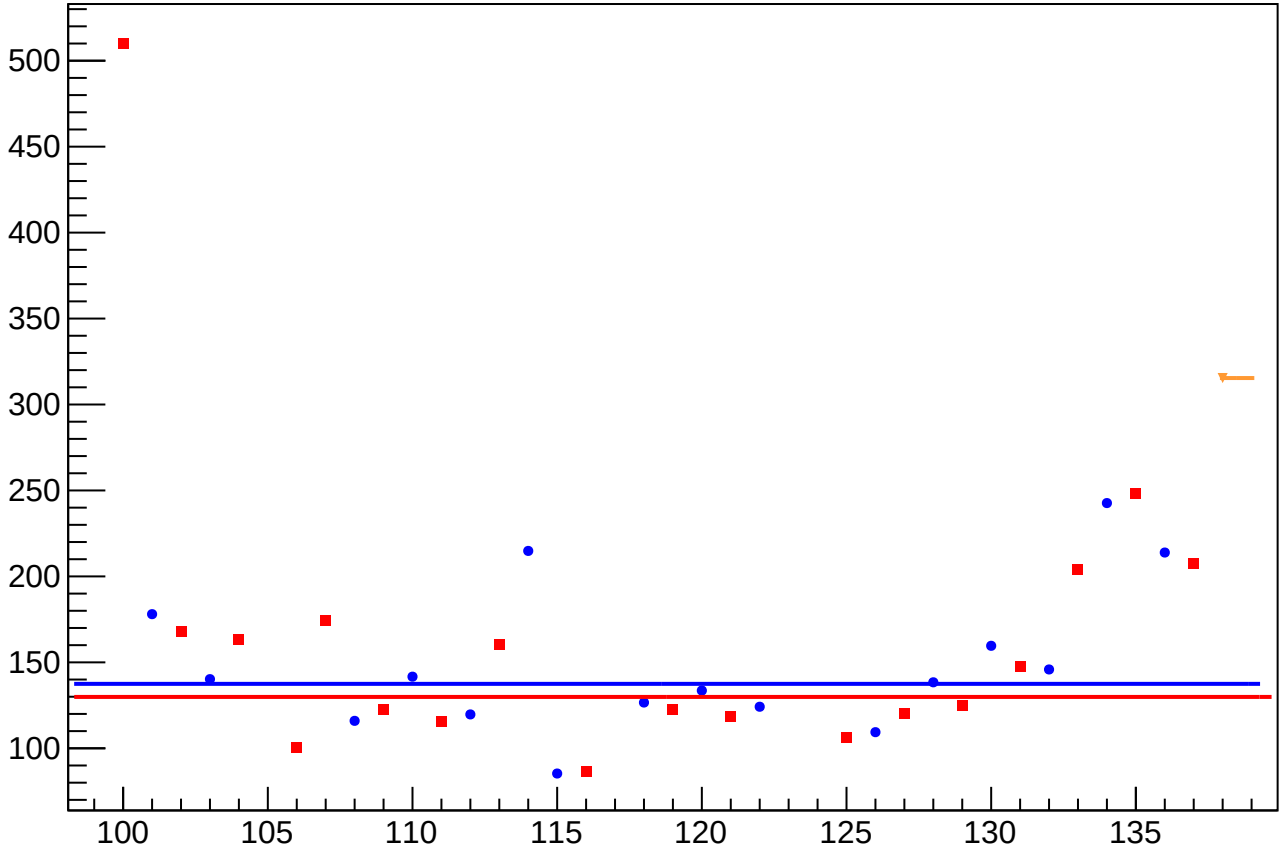
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.020+/-0.054 χ^2/NDF:16.0/15

Out: 0.057+/-0.052 χ^2/NDF:27.7/18

All: 0.020+/-0.038 χ^2/NDF: 44.7/34

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: 315.396+/-0.258 χ^2/NDF:0.0/0

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

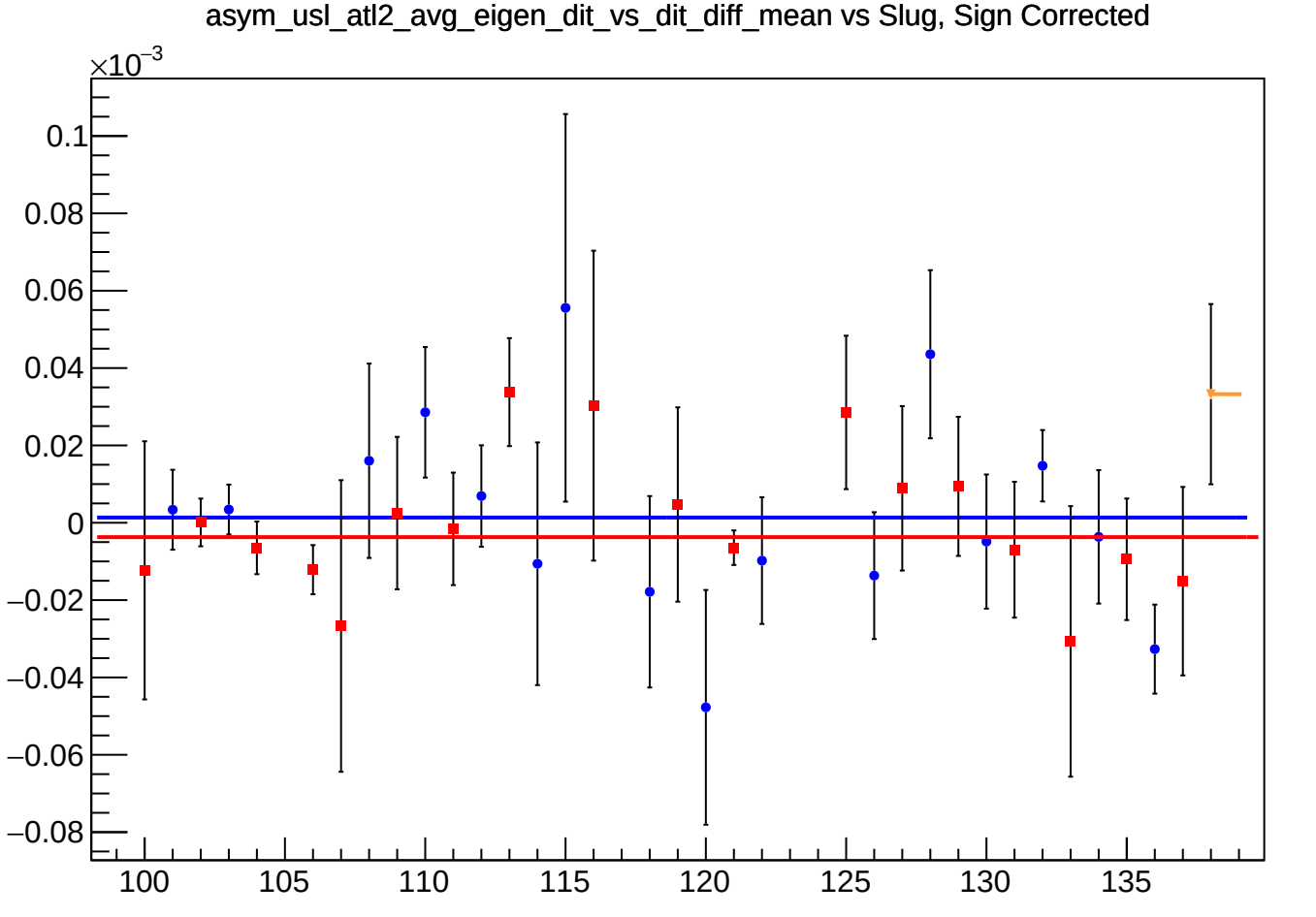
Left: 315.396+/-0.258 χ^2/NDF: 0.0/0

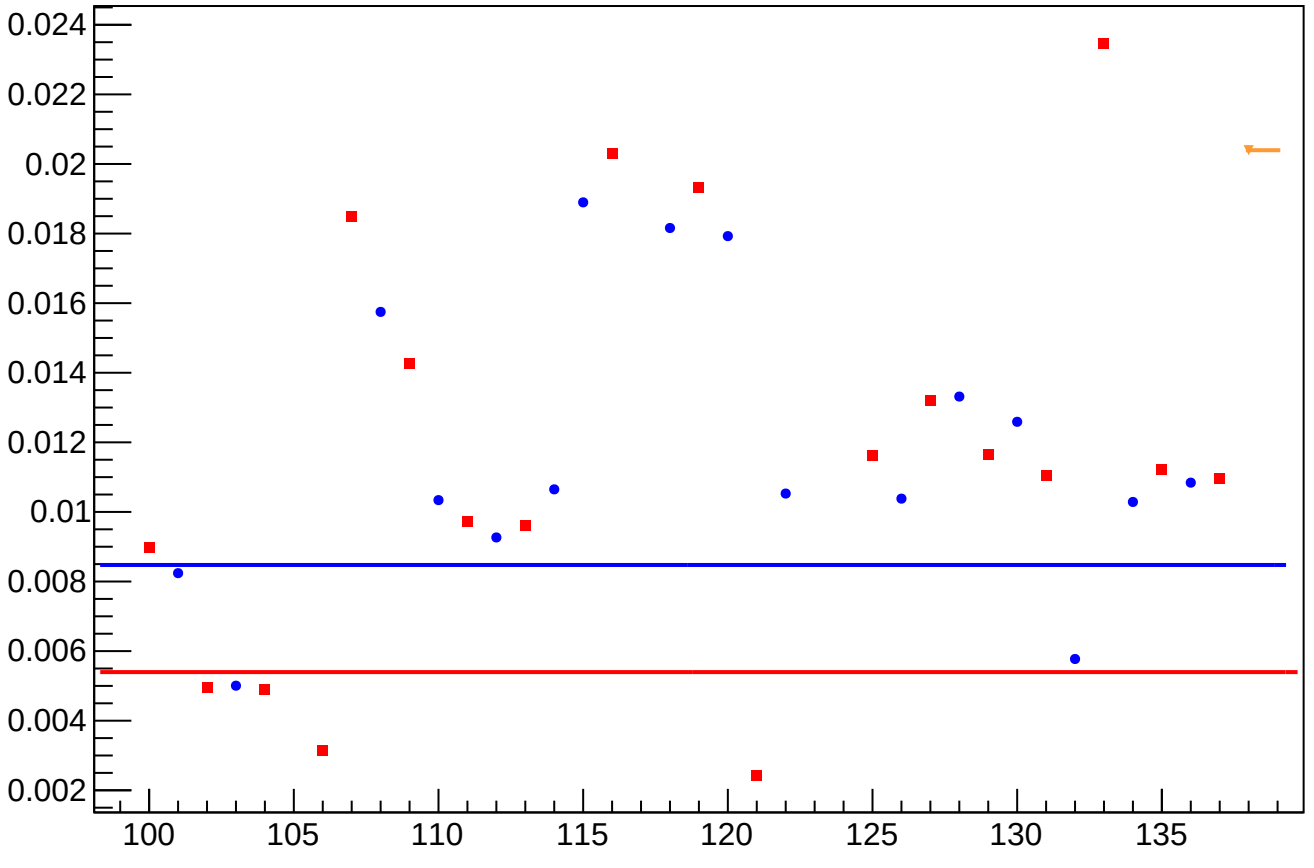
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 137.492+/-0.038 χ^2/NDF:692947.9/15

Out: 133.643+/-0.037 χ^2/NDF:1339685.3/18

All: 135.486+/-0.027 χ^2/NDF: 2037888.4/34


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:23.9/15
Out: -0.000+/-0.000 χ²/NDF:18.3/18
All: -0.000+/-0.000 χ²/NDF: 43.4/34



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.020+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

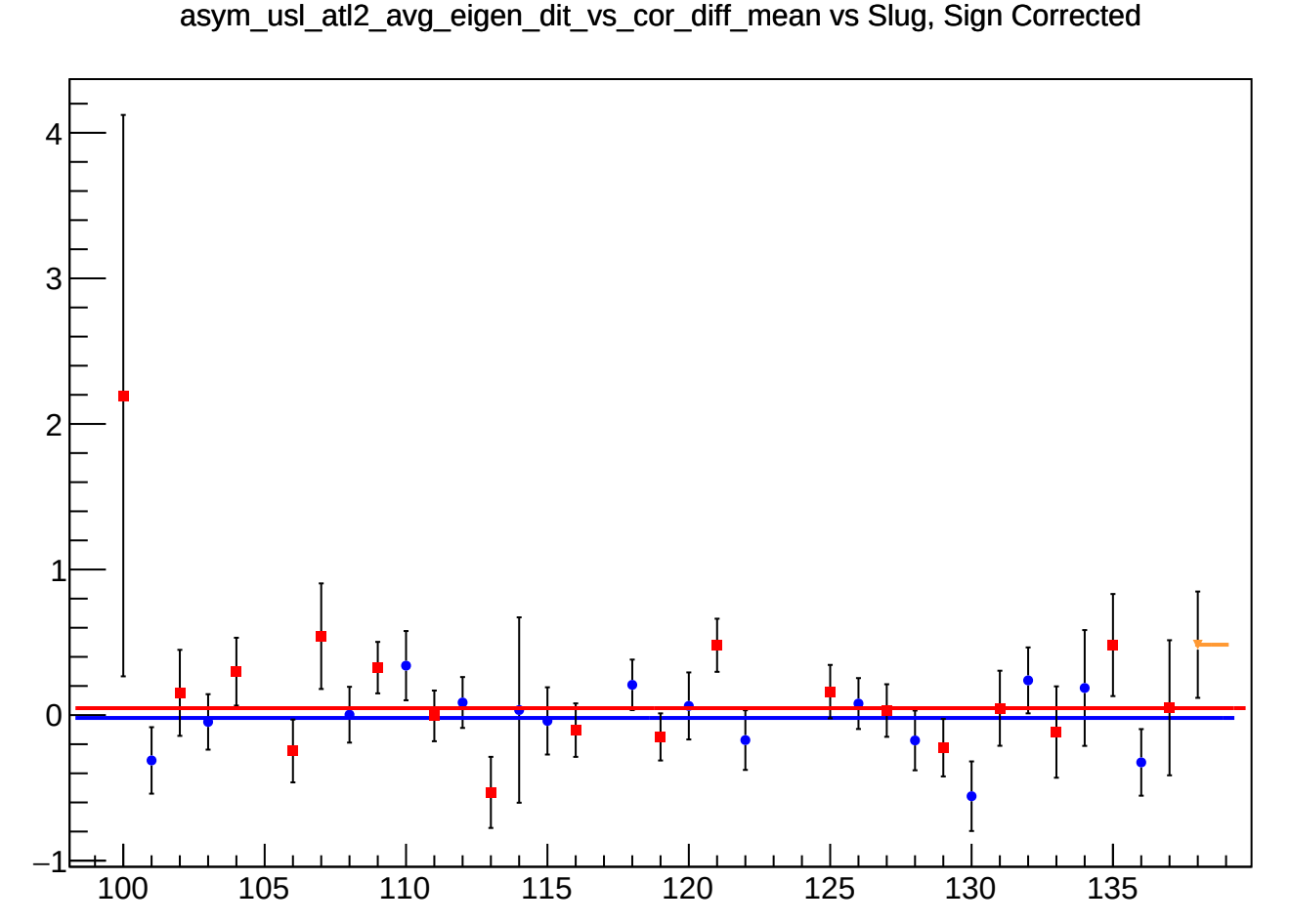
Left: 0.020+/-0.000 χ^2/NDF: 0.0/0

Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

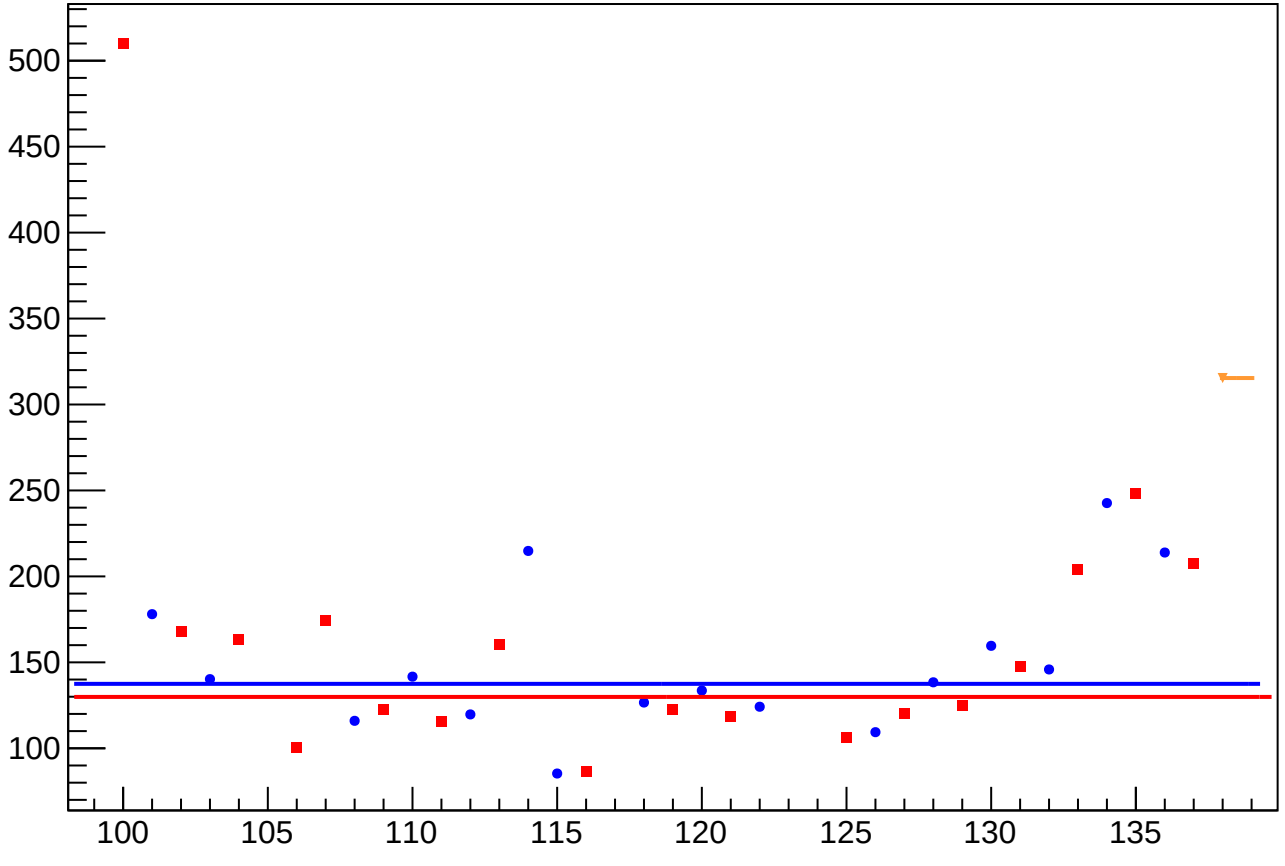
In: 0.008+/-0.000 χ^2/NDF:1925998.4/15

Out: 0.006+/-0.000 χ^2/NDF:5728241.1/18

All: 0.007+/-0.000 χ^2/NDF: 8581379.0/34


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
105
110
115
120
125
130
135
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: 0.484+/-0.365 χ²/NDF:0.0/0
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.484+/-0.365 χ²/NDF: 0.0/0
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.020+/-0.054 χ²/NDF:16.0/15
Out: 0.057+/-0.052 χ²/NDF:27.7/18
All: 0.020+/-0.038 χ²/NDF: 44.7/34

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 315.398+/-0.258 χ^2/NDF:0.0/0

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 315.398+/-0.258 χ^2/NDF: 0.0/0

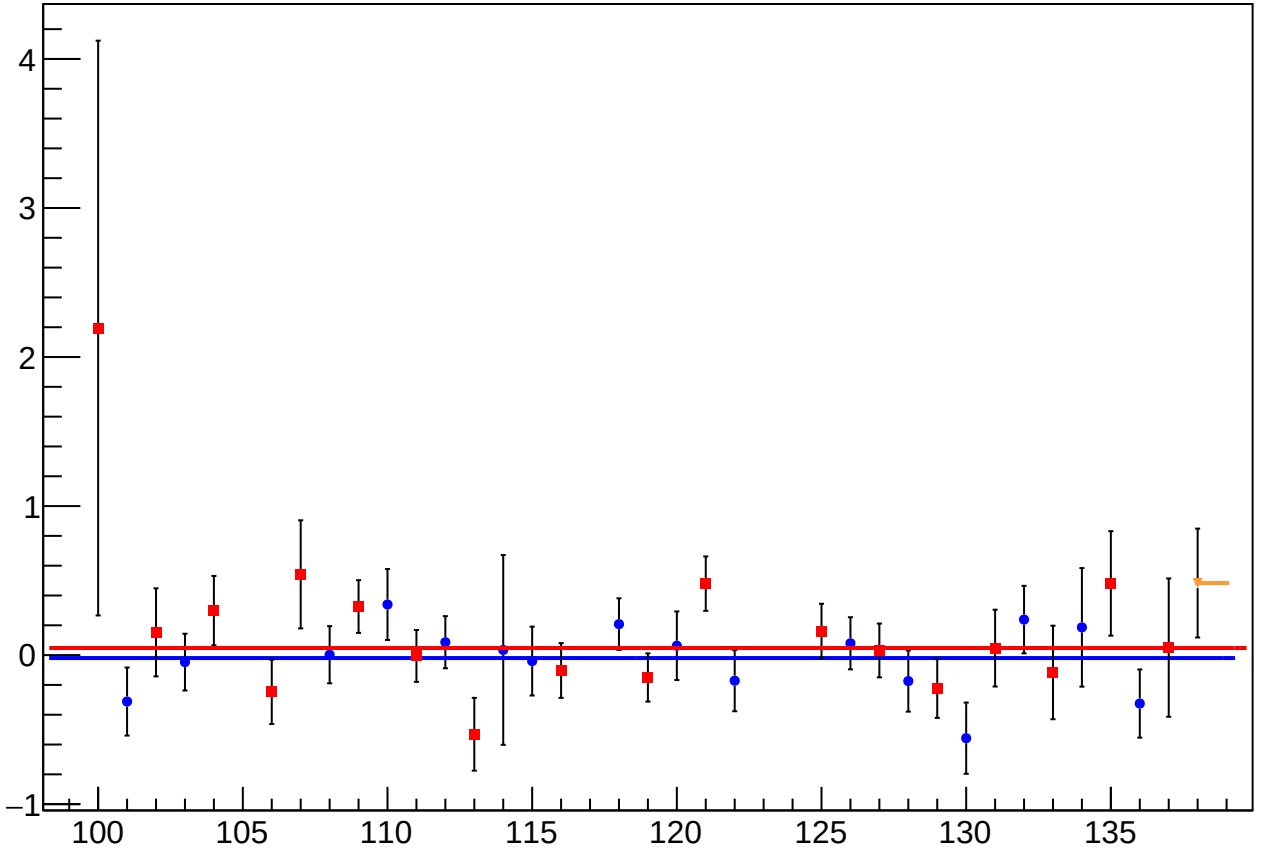
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 137.492+/-0.038 χ^2/NDF:692923.1/15

Out: 133.643+/-0.037 χ^2/NDF:1339645.7/18

All: 135.486+/-0.027 χ^2/NDF: 2037823.5/34

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: 0.484+/-0.365 χ^2/NDF:0.0/0

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.484+/-0.365 χ^2/NDF: 0.0/0

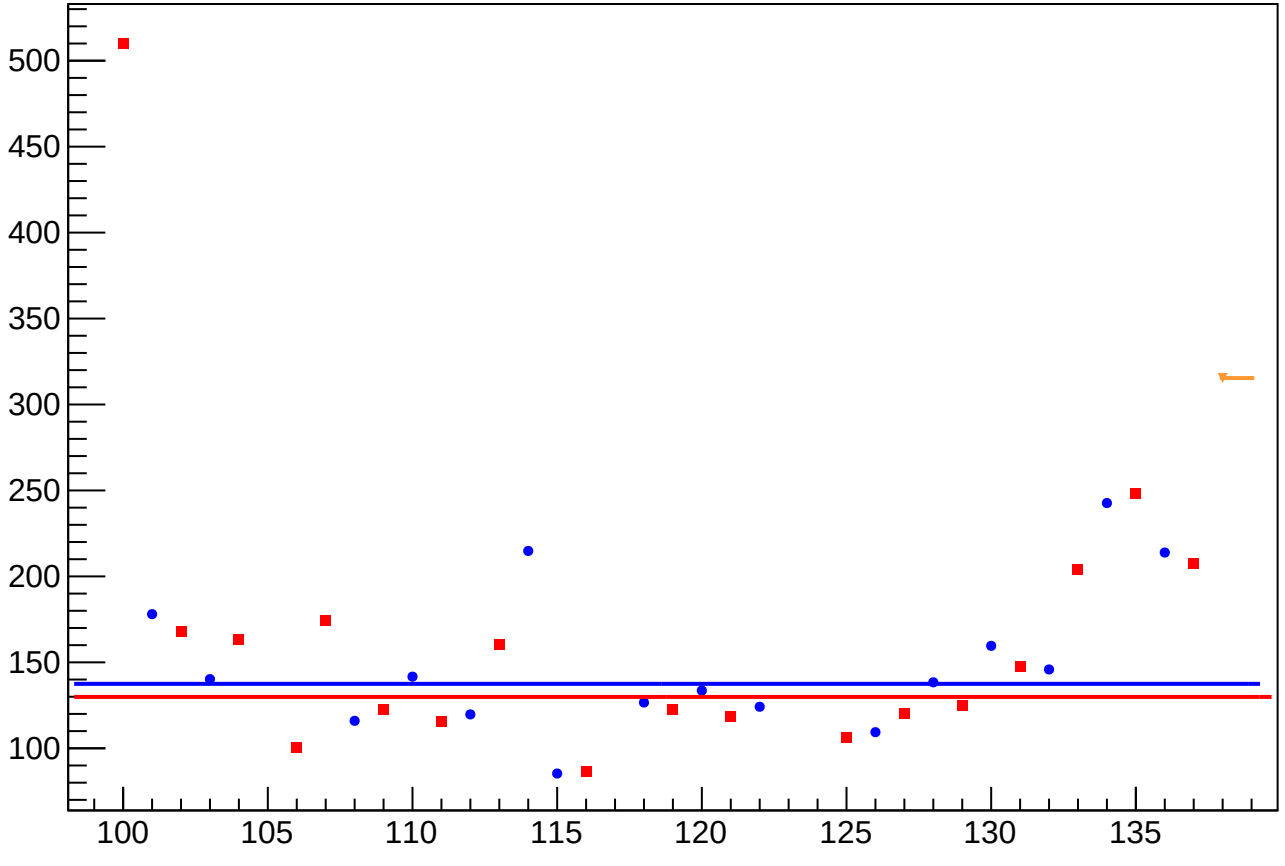
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.020+/-0.054 χ^2/NDF:16.0/15

Out: 0.057+/-0.052 χ^2/NDF:27.7/18

All: 0.020+/-0.038 χ^2/NDF: 44.7/34

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: 315.398+/-0.258 χ^2/NDF:0.0/0

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 315.398+/-0.258 χ^2/NDF: 0.0/0

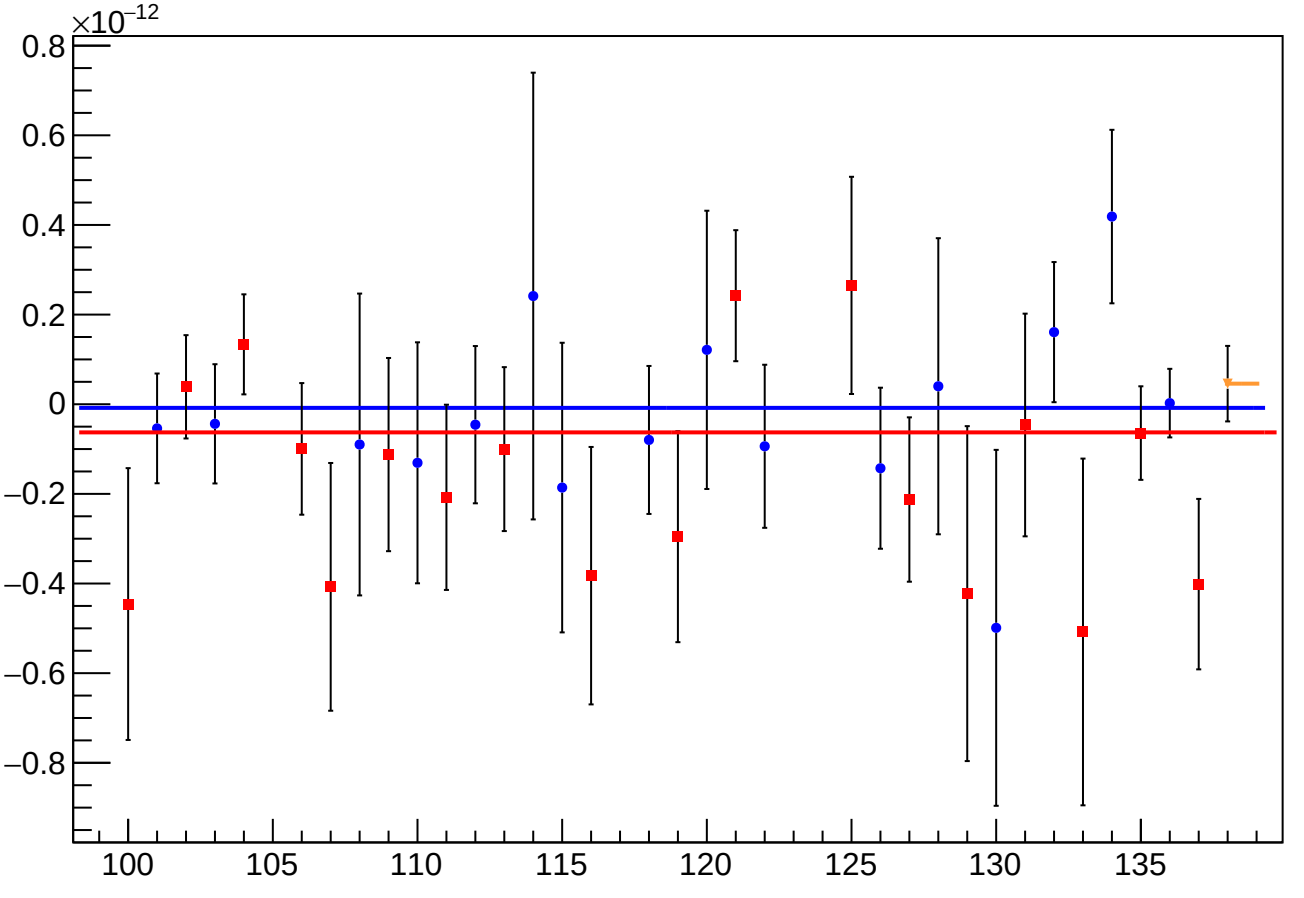
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 137.492+/-0.038 χ^2/NDF:692923.1/15

Out: 133.643+/-0.037 χ^2/NDF:1339645.7/18

All: 135.486+/-0.027 χ^2/NDF: 2037823.5/34

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:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

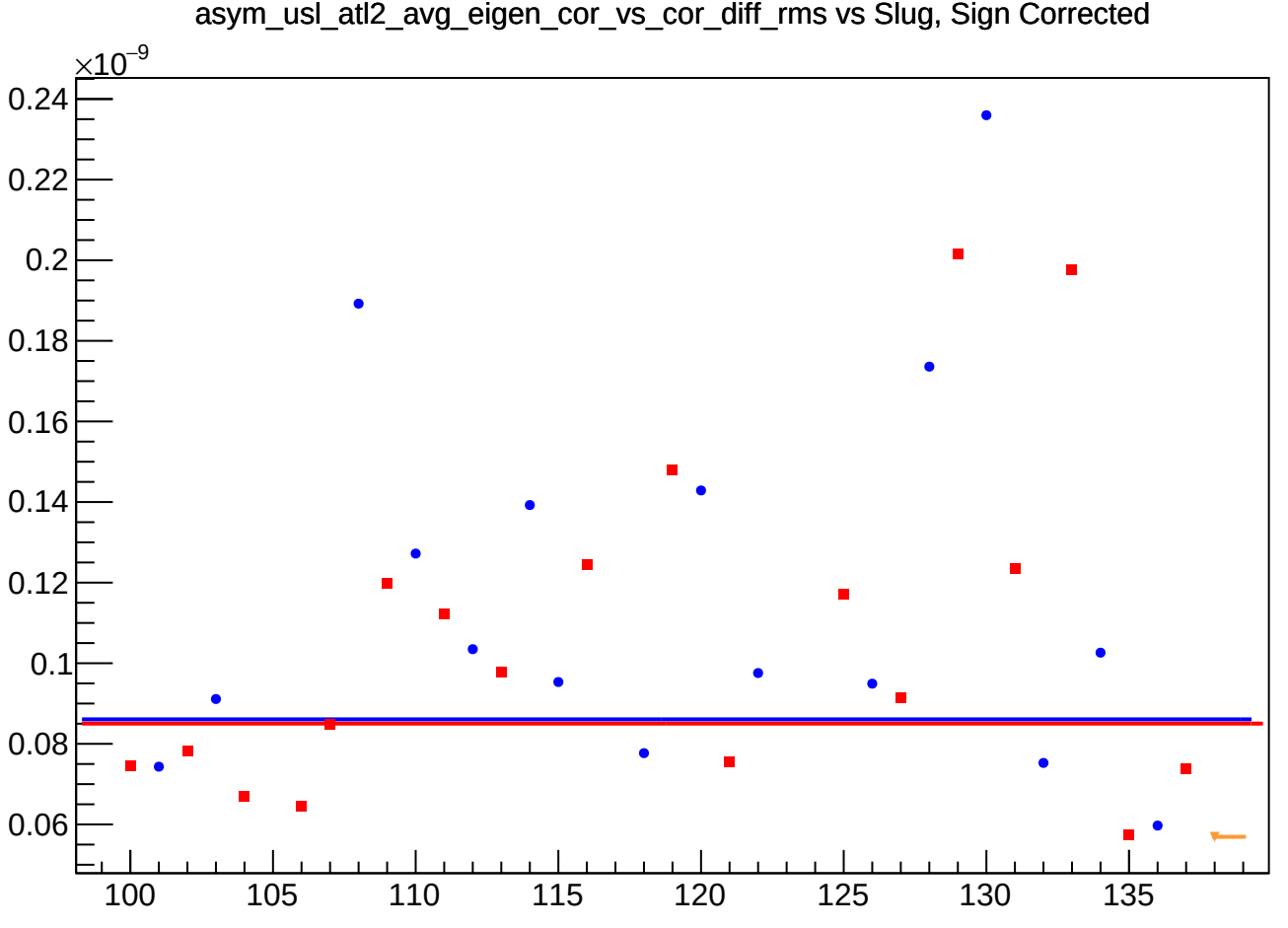
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: -0.000+/-0.000 χ^2/NDF:9.8/15

Out: -0.000+/-0.000 χ^2/NDF:23.5/18

All: -0.000+/-0.000 χ^2/NDF: 33.7/34



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

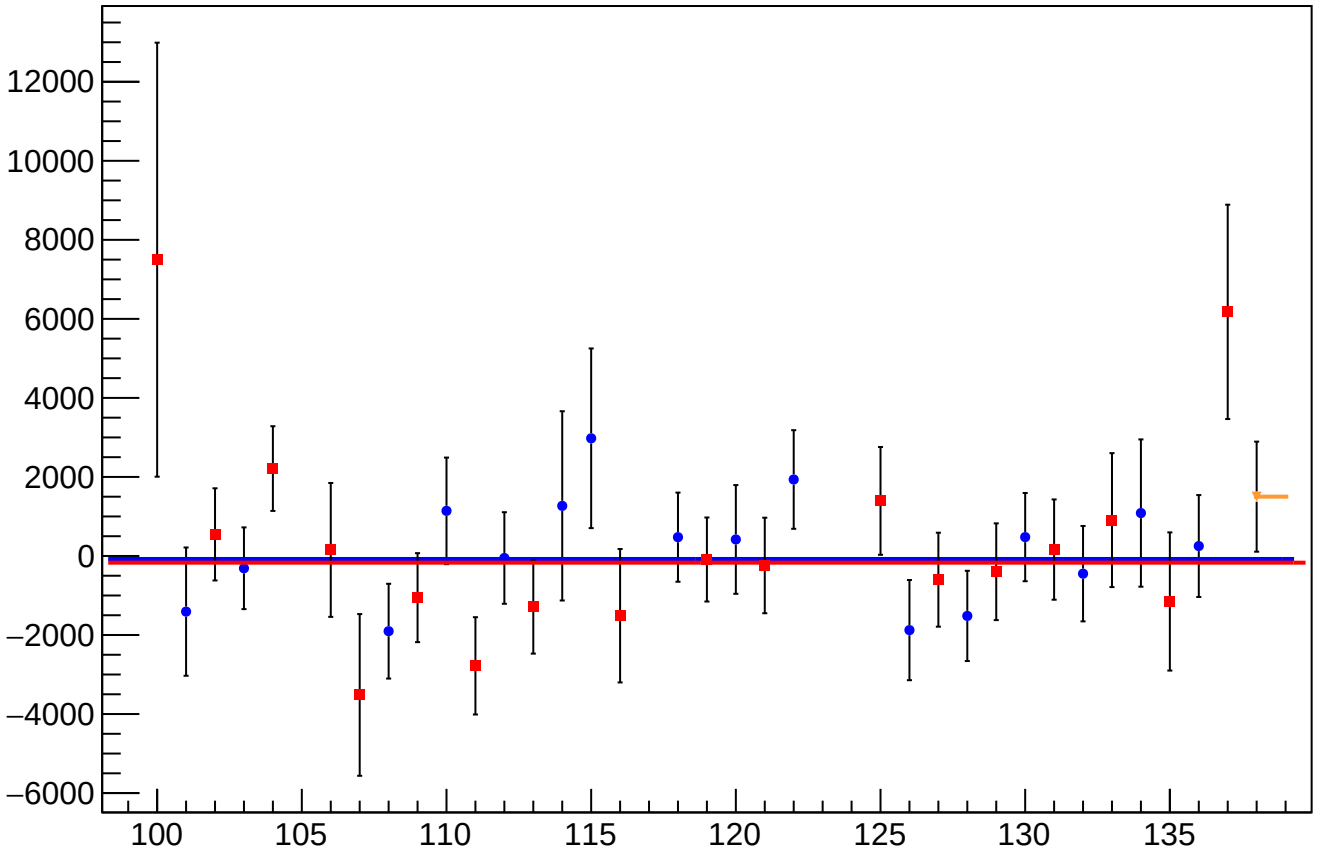
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:1072075.4/15

Out: 0.000+/-0.000 χ^2/NDF:1161885.6/18

All: 0.000+/-0.000 χ^2/NDF: 2261057.8/34



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 1501.007+/-1392.755 χ^2/NDF:0.0/0

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1501.007+/-1392.755 χ^2/NDF: 0.0/0

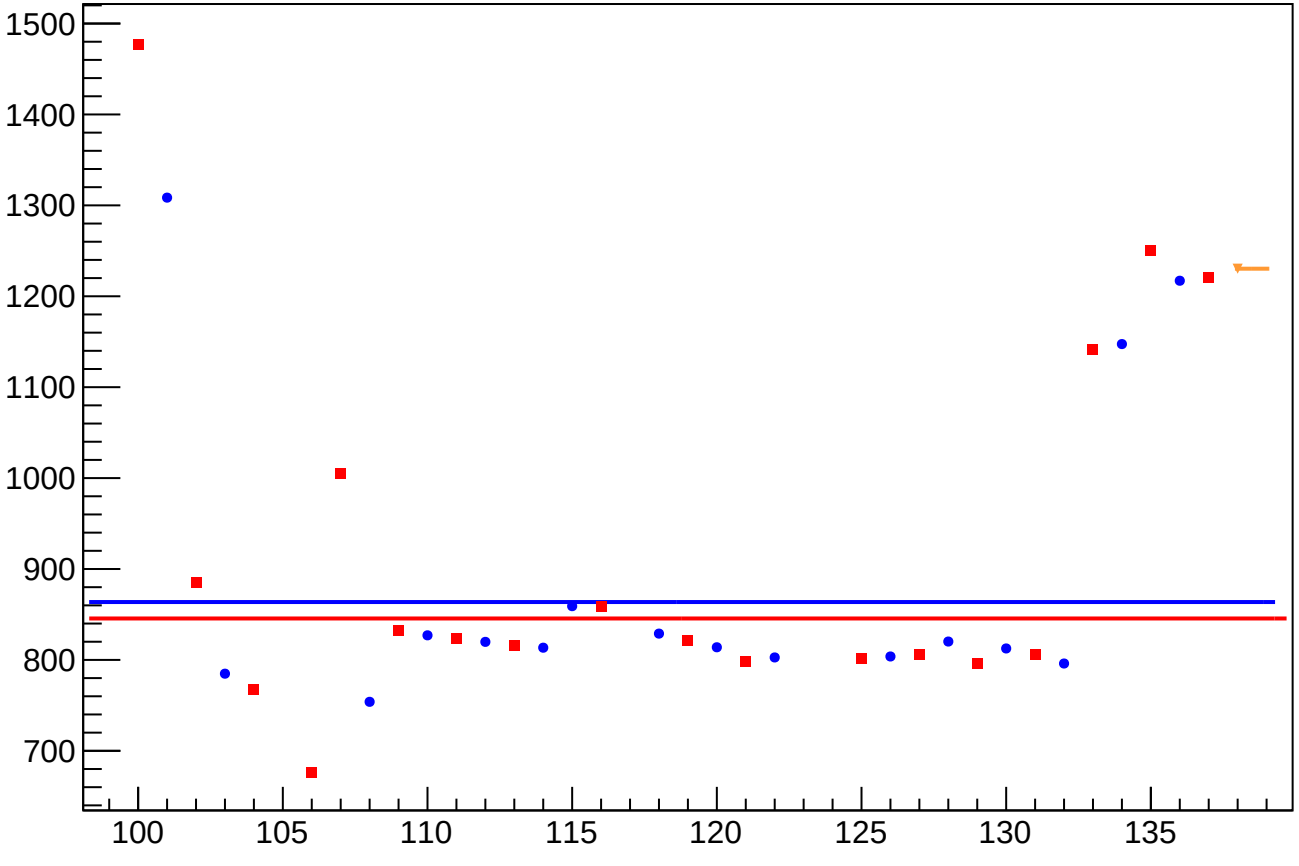
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -75.944+/-326.226 χ^2/NDF:13.4/15

Out: -84.678+/-313.565 χ^2/NDF:25.7/18

All: -80.484+/-226.067 χ^2/NDF: 39.1/34

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1230.335+/-0.985 χ^2/NDF:0.0/0

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

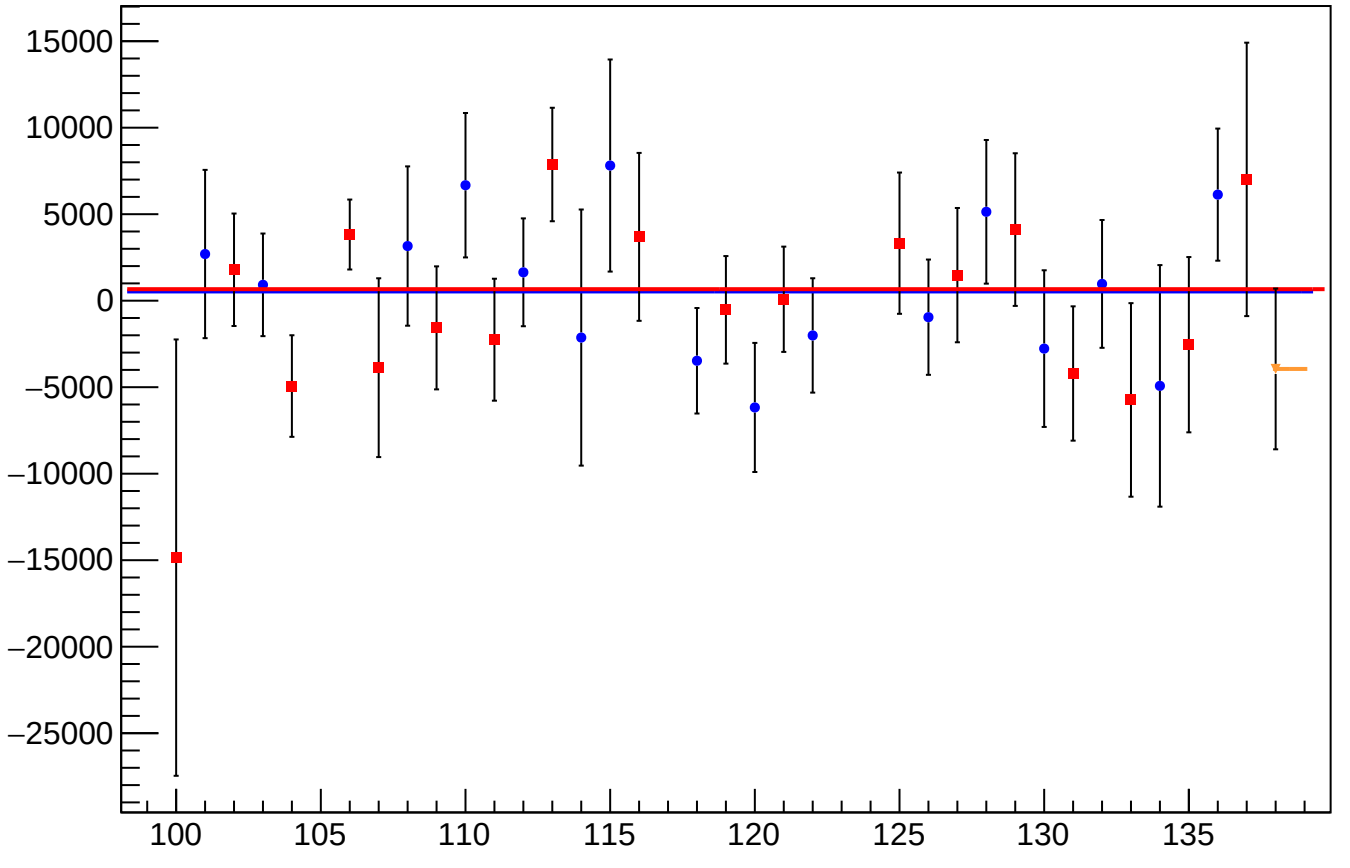
Left: 1230.335+/-0.985 χ^2/NDF: 0.0/0

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 863.661+/-0.231 χ^2/NDF:407498.8/15

Out: 864.626+/-0.219 χ^2/NDF:452853.1/18

All: 864.168+/-0.159 χ^2/NDF: 860361.0/34



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -3945.026+/-4645.597 χ^2/NDF:0.0/0

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

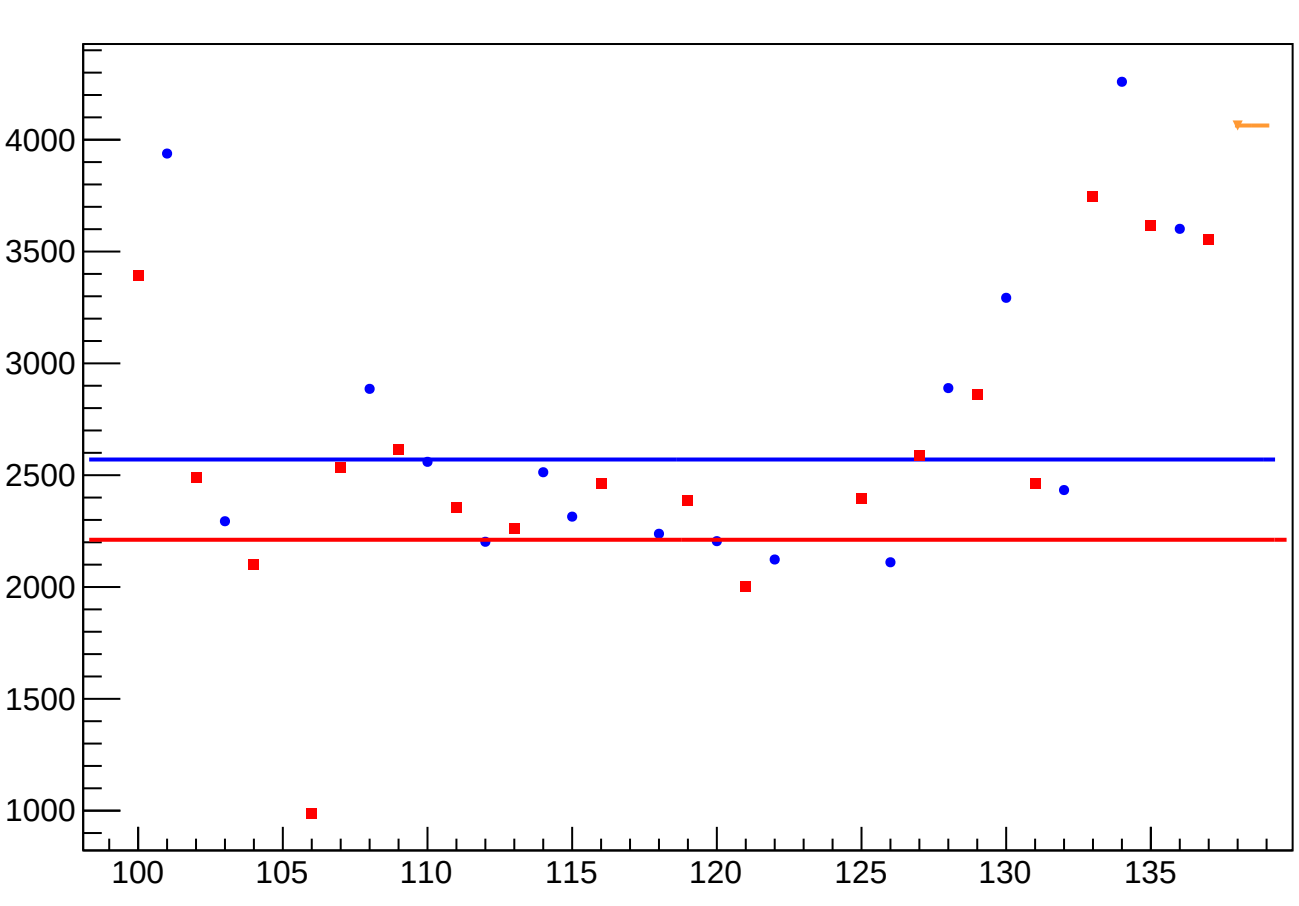
Left: -3945.026+/-4645.597 χ^2/NDF: 0.0/0

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 534.507+/-981.290 χ^2/NDF:14.7/15

Out: 511.387+/-850.356 χ^2/NDF:20.9/18

All: 521.303+/-642.636 χ^2/NDF: 35.6/34



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 4063.587+/-3.285 χ^2/NDF:0.0/0

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

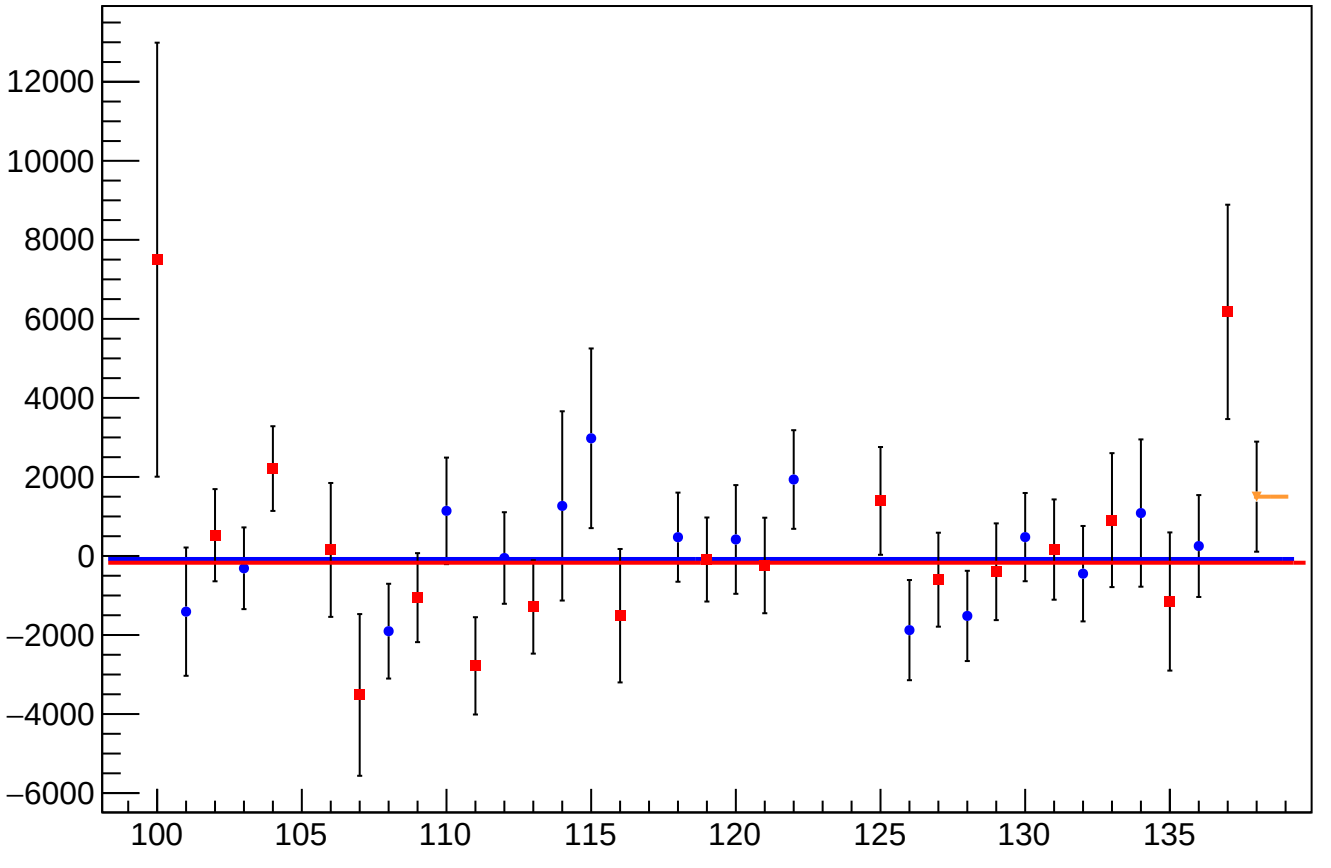
Left: 4063.587+/-3.285 χ^2/NDF: 0.0/0

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 2570.135+/-0.694 χ^2/NDF:662477.9/15

Out: 2273.332+/-0.601 χ^2/NDF:1571398.2/18

All: 2400.625+/-0.454 χ^2/NDF: 2338371.6/34



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 1500.873+/-1392.755 χ^2/NDF:0.0/0

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1500.873+/-1392.755 χ^2/NDF: 0.0/0

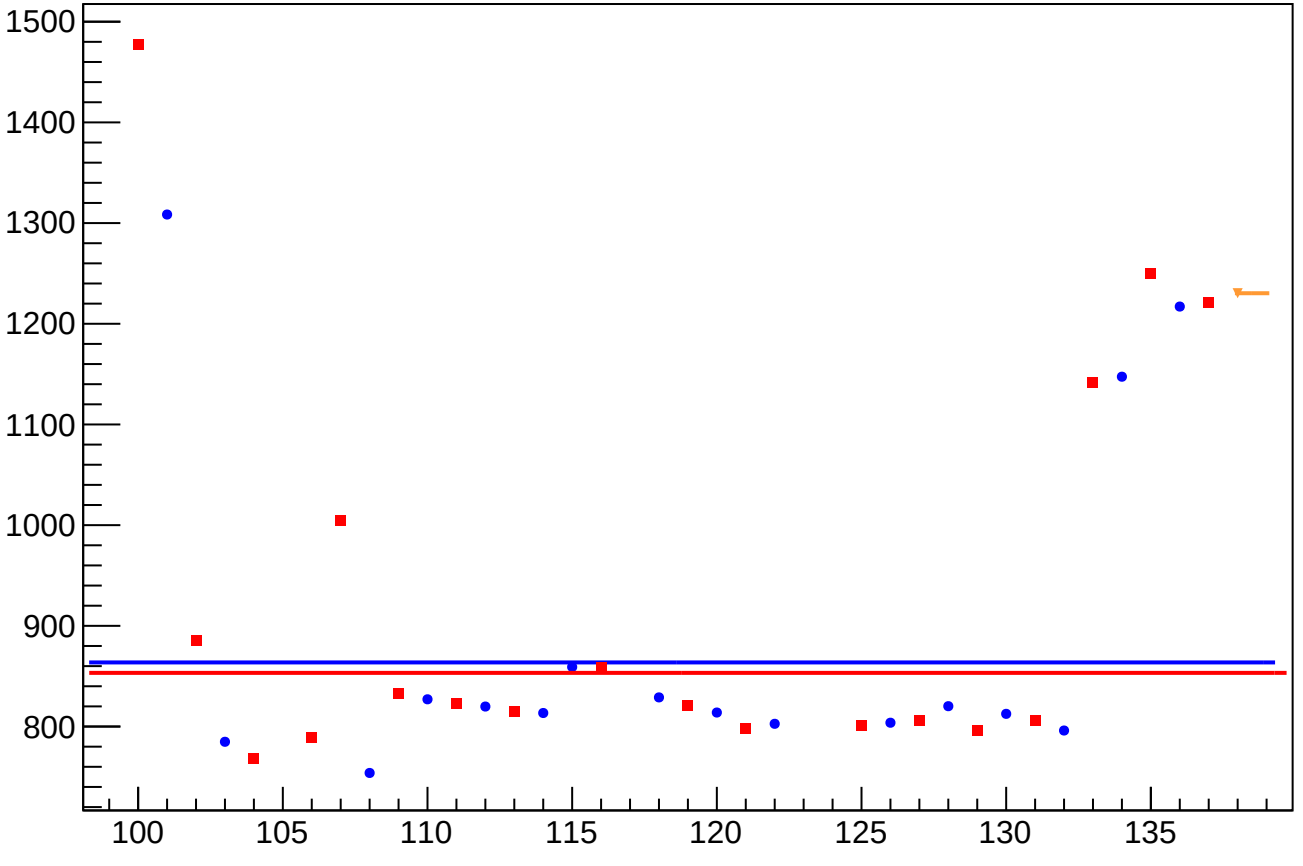
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -76.022+/-326.226 χ^2/NDF:13.3/15

Out: -86.237+/-313.569 χ^2/NDF:25.7/18

All: -81.332+/-226.069 χ^2/NDF: 39.1/34

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1230.335+/-0.985 χ^2/NDF:0.0/0

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

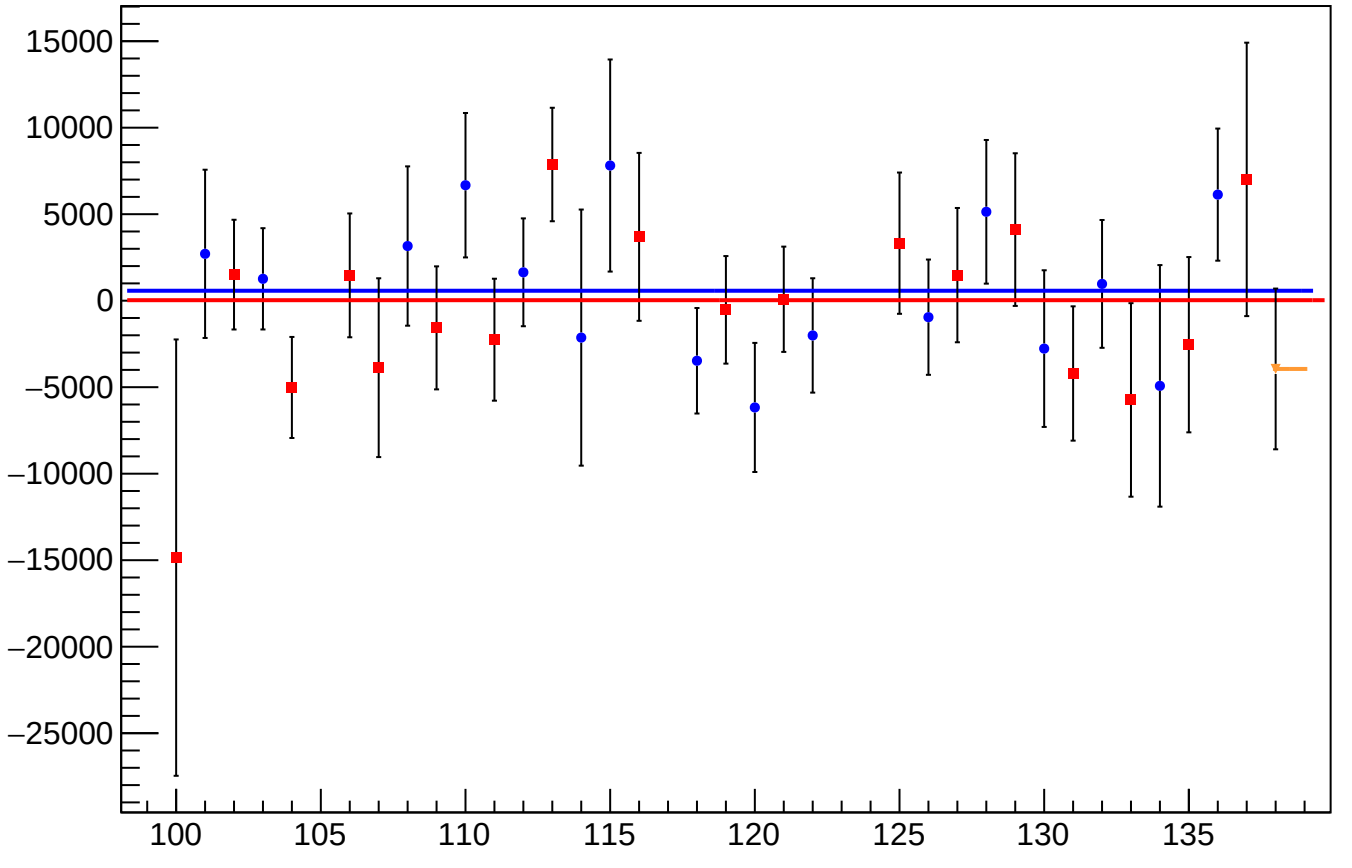
Left: 1230.335+/-0.985 χ^2/NDF: 0.0/0

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 863.661+/-0.231 χ^2/NDF:407498.5/15

Out: 872.214+/-0.221 χ^2/NDF:414578.1/18

All: 868.128+/-0.159 χ^2/NDF: 822794.6/34



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3945.156+/-4645.595 χ^2/NDF:0.0/0

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

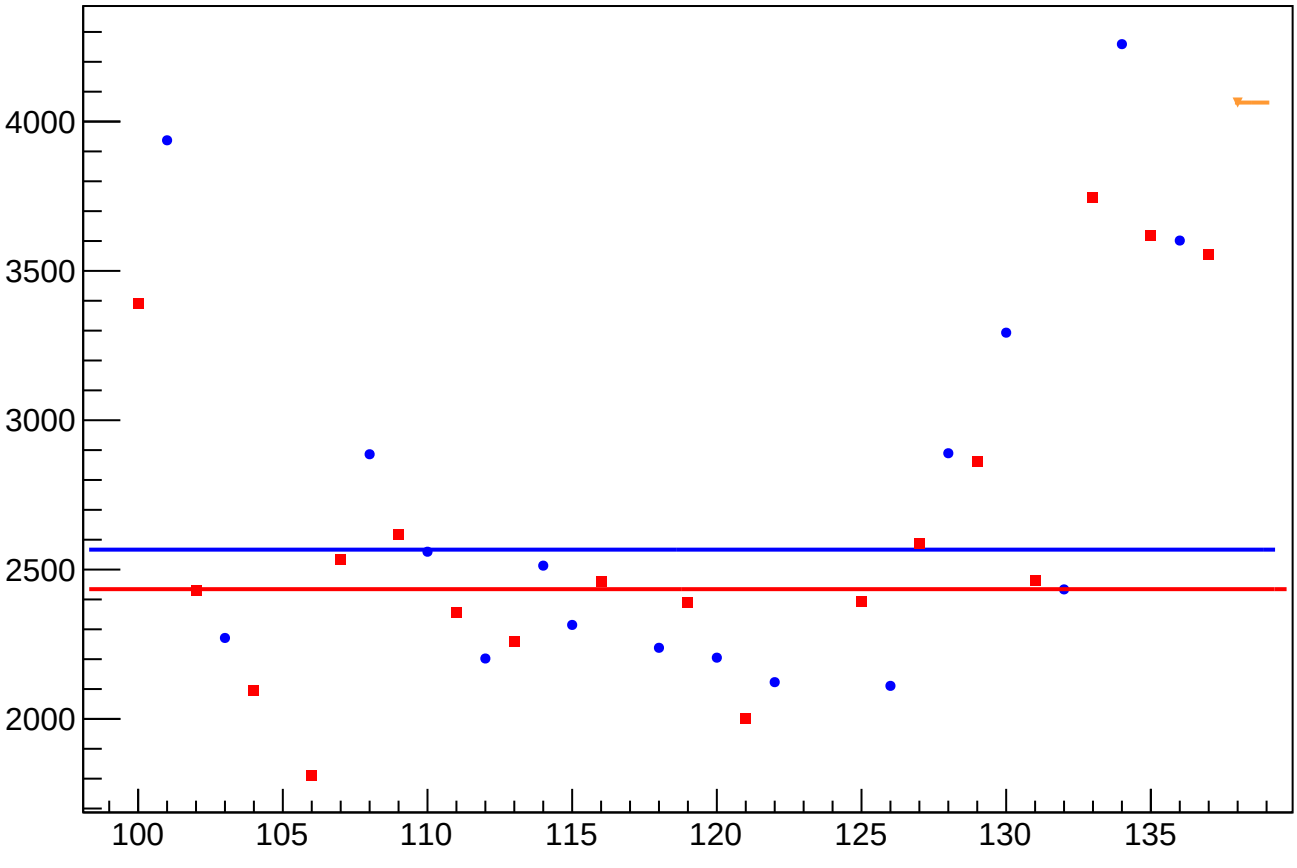
Left: -3945.156+/-4645.595 χ^2/NDF: 0.0/0

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 574.964+/-979.856 χ^2/NDF:14.7/15

Out: -122.025+/-904.469 χ^2/NDF:17.9/18

All: 198.630+/-664.612 χ^2/NDF: 32.9/34



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4063.585+/-3.285 χ^2/NDF:0.0/0

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

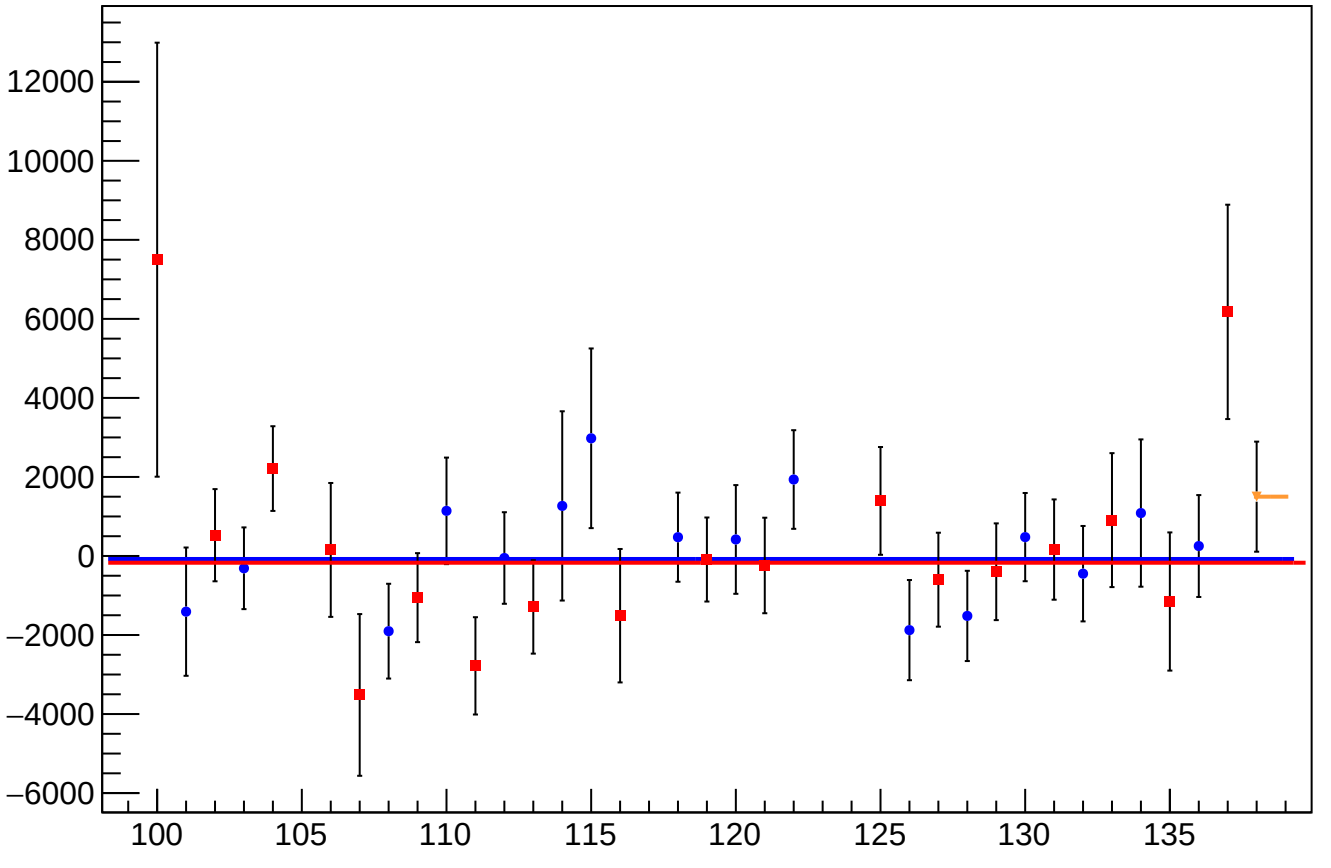
Left: 4063.585+/-3.285 χ^2/NDF: 0.0/0

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2566.732+/-0.693 χ^2/NDF:665871.6/15

Out: 2496.184+/-0.640 χ^2/NDF:670719.6/18

All: 2528.640+/-0.470 χ^2/NDF: 1342189.0/34



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 1500.873+/-1392.755 χ^2/NDF:0.0/0

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

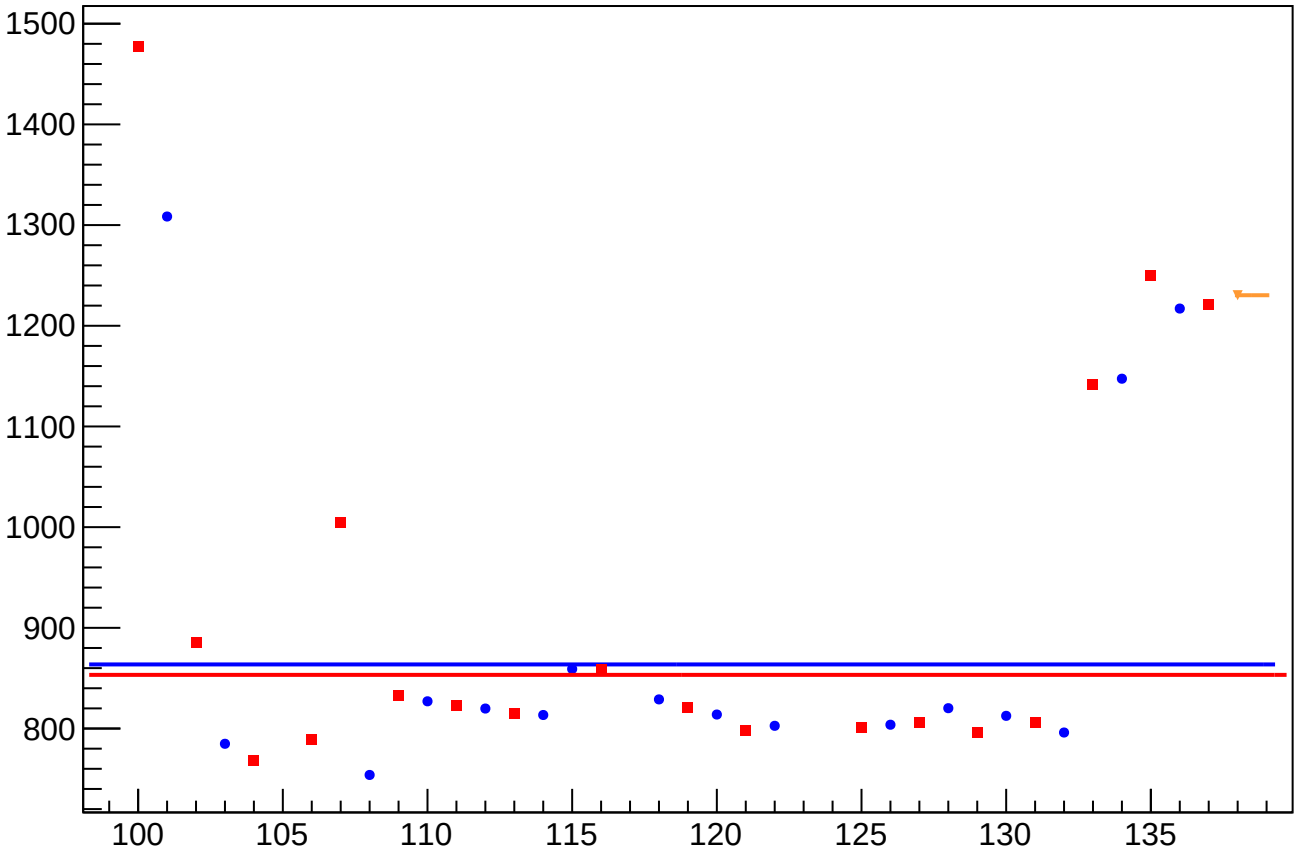
Left: 1500.873+/-1392.755 χ^2/NDF: 0.0/0

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -76.022+/-326.226 χ^2/NDF:13.3/15

Out: -86.237+/-313.569 χ^2/NDF:25.7/18

All: -81.332+/-226.069 χ^2/NDF: 39.1/34



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1230.335+/-0.985 χ^2/NDF:0.0/0

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

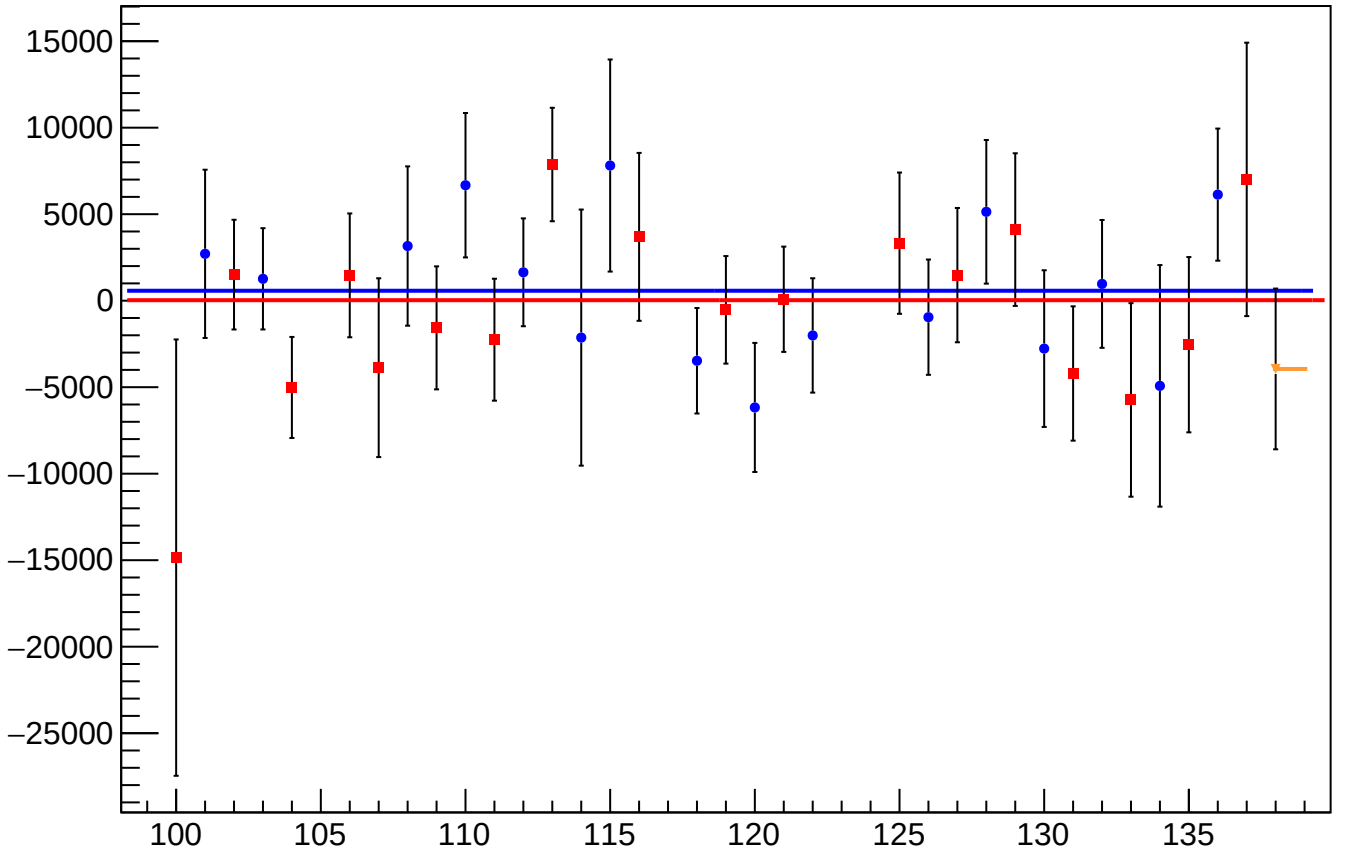
Left: 1230.335+/-0.985 χ^2/NDF: 0.0/0

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 863.661+/-0.231 χ^2/NDF:407498.5/15

Out: 872.214+/-0.221 χ^2/NDF:414578.1/18

All: 868.128+/-0.159 χ^2/NDF: 822794.6/34



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3945.156+/-4645.595 χ^2/NDF:0.0/0

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

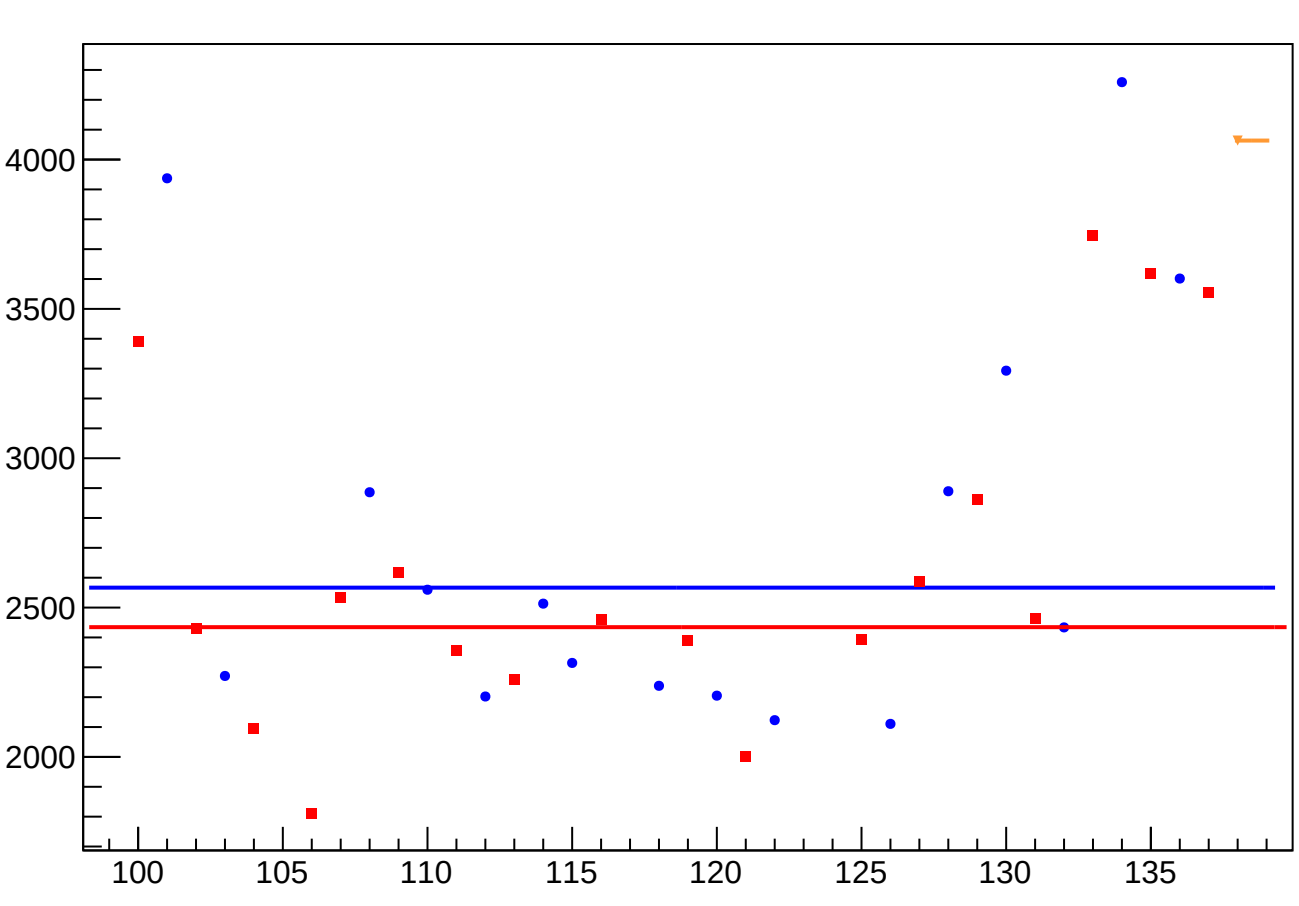
Left: -3945.156+/-4645.595 χ^2/NDF: 0.0/0

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 574.964+/-979.856 χ^2/NDF:14.7/15

Out: -122.025+/-904.469 χ^2/NDF:17.9/18

All: 198.630+/-664.612 χ^2/NDF: 32.9/34



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4063.585+/-3.285 χ^2/NDF:0.0/0

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

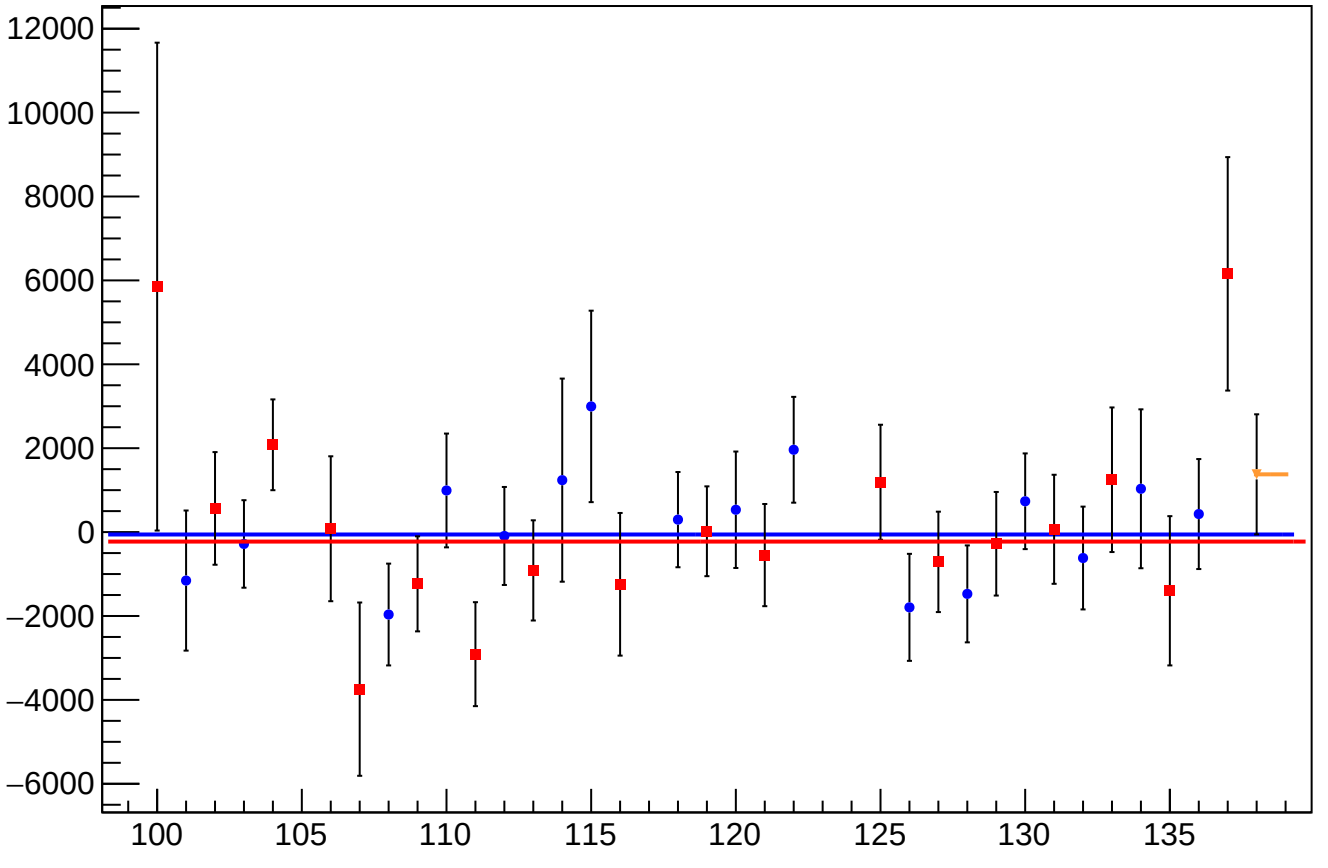
Left: 4063.585+/-3.285 χ^2/NDF: 0.0/0

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2566.732+/-0.693 χ^2/NDF:665871.6/15

Out: 2496.184+/-0.640 χ^2/NDF:670719.6/18

All: 2528.640+/-0.470 χ^2/NDF: 1342189.0/34



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 1376.770+/-1431.247 χ^2/NDF:0.0/0

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1376.770+/-1431.247 χ^2/NDF: 0.0/0

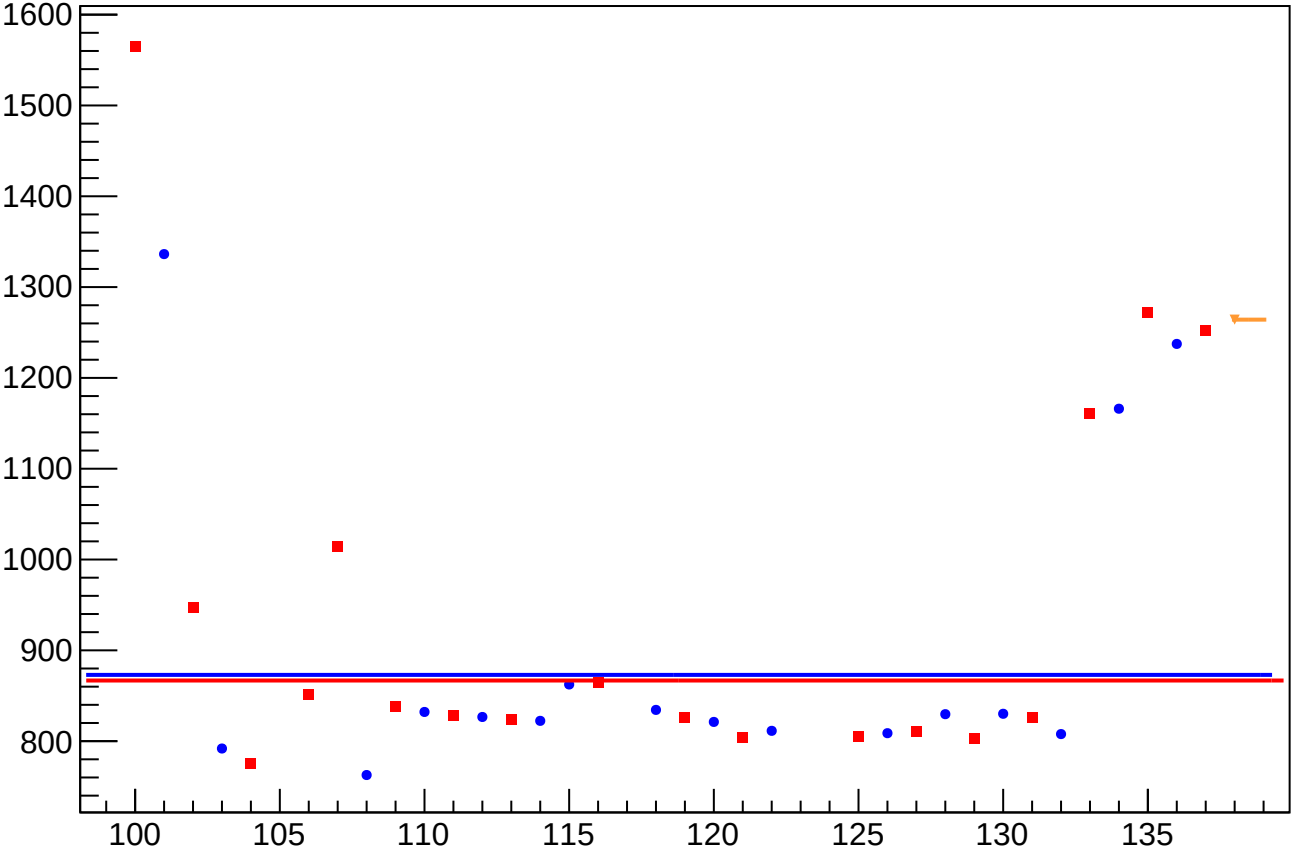
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -57.208+/-330.088 χ^2/NDF:13.0/15

Out: -146.063+/-319.776 χ^2/NDF:24.1/18

All: -103.045+/-229.675 χ^2/NDF: 37.1/34

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1264.156+/-1.012 χ^2/NDF:0.0/0

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

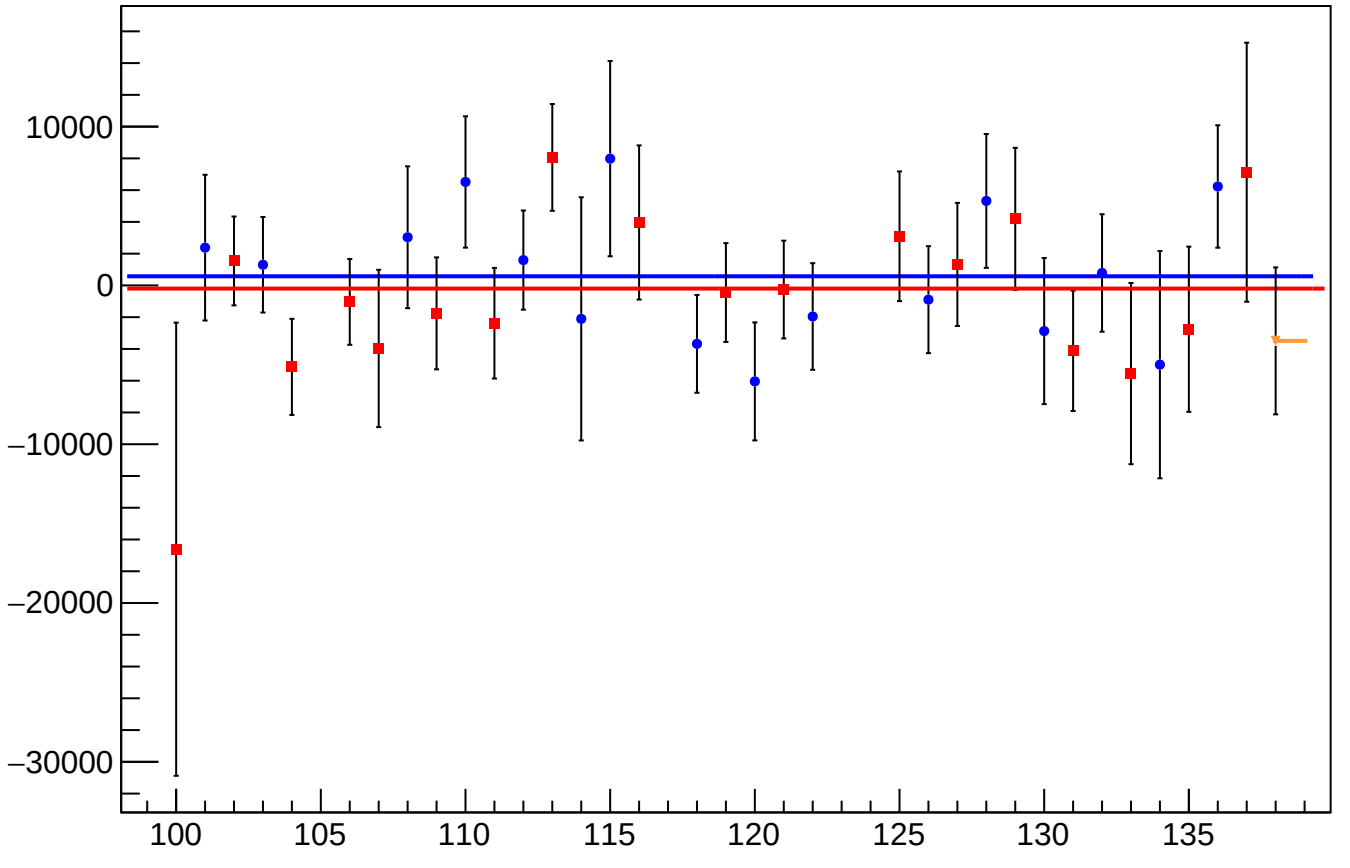
Left: 1264.156+/-1.012 χ^2/NDF: 0.0/0

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 872.971+/-0.233 χ^2/NDF:417099.2/15

Out: 886.571+/-0.226 χ^2/NDF:436881.9/18

All: 879.994+/-0.162 χ^2/NDF: 855734.1/34



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -3492.598+/-4626.851 χ^2/NDF:0.0/0

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

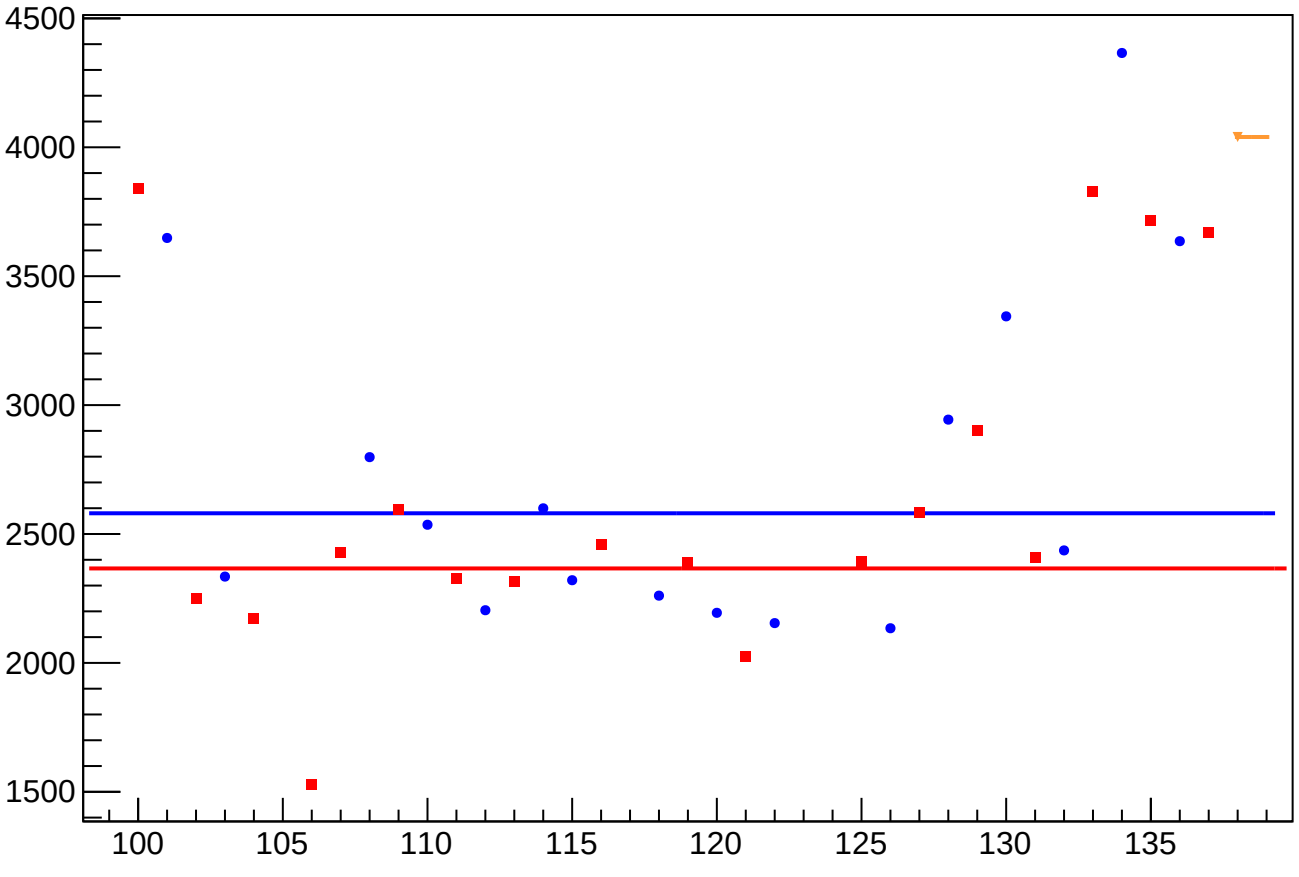
Left: -3492.598+/-4626.851 χ^2/NDF: 0.0/0

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 575.271+/-984.888 χ^2/NDF:14.7/15

Out: -316.560+/-877.880 χ^2/NDF:17.7/18

All: 78.292+/-655.334 χ^2/NDF: 32.8/34



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4039.899+/-3.272 χ^2/NDF:0.0/0

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

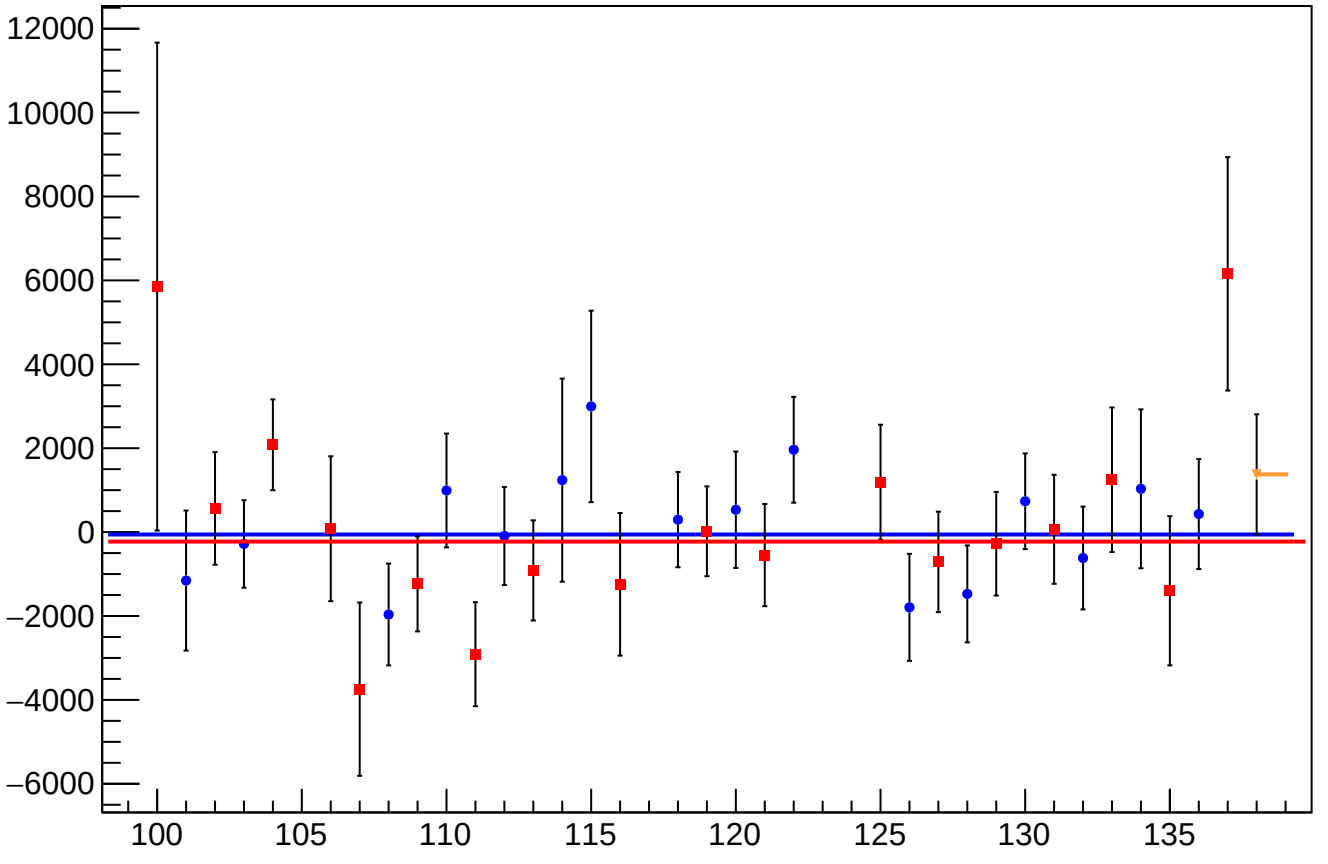
Left: 4039.899+/-3.272 χ^2/NDF: 0.0/0

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2580.377+/-0.696 χ^2/NDF:617156.1/15

Out: 2426.657+/-0.621 χ^2/NDF:863915.8/18

All: 2494.716+/-0.463 χ^2/NDF: 1508221.9/34



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 1376.740+/-1431.247 χ^2/NDF:0.0/0

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

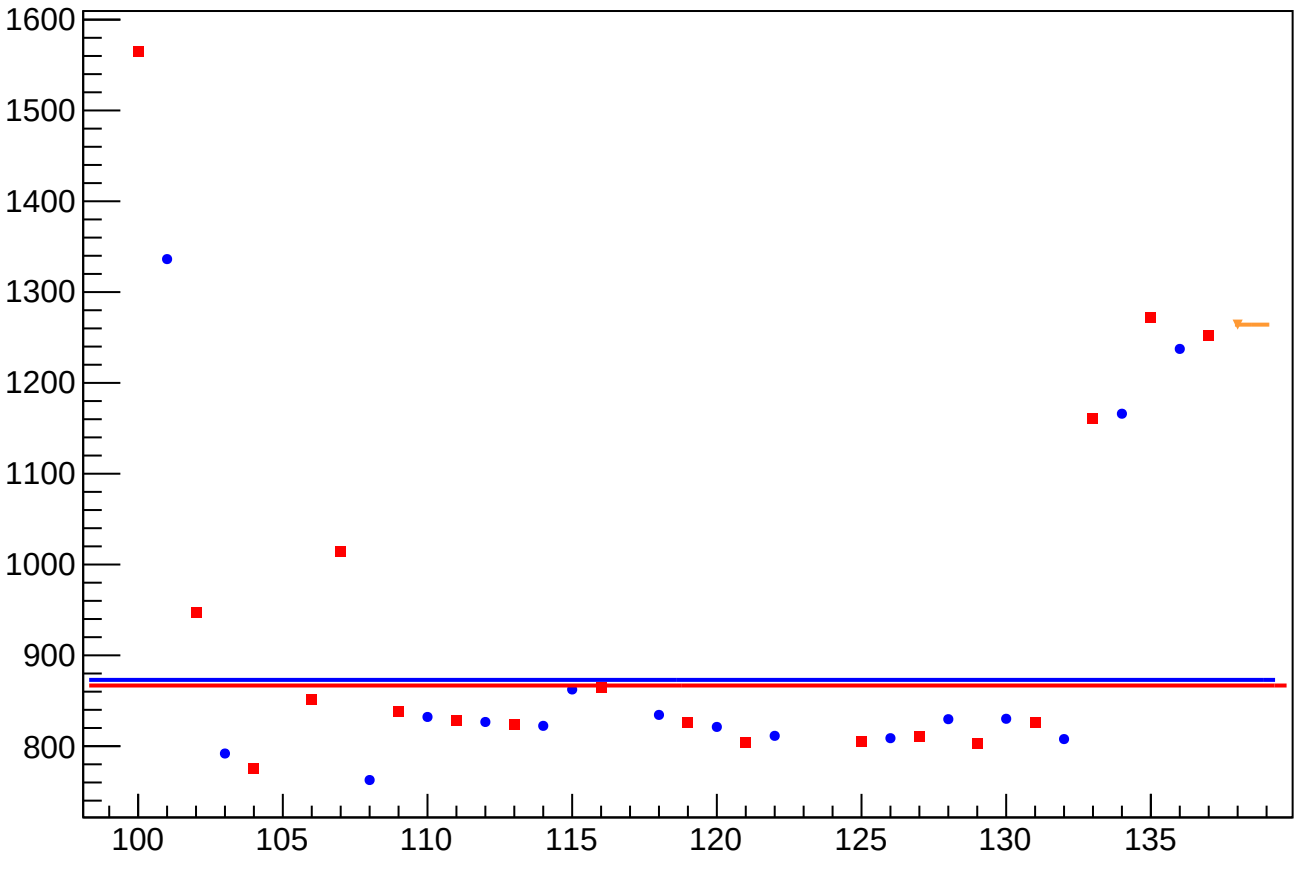
Left: 1376.740+/-1431.247 χ^2/NDF: 0.0/0

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -57.211+/-330.088 χ^2/NDF:13.0/15

Out: -146.068+/-319.776 χ^2/NDF:24.1/18

All: -103.049+/-229.675 χ^2/NDF: 37.1/34



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1264.156+/-1.012 χ^2/NDF:0.0/0

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

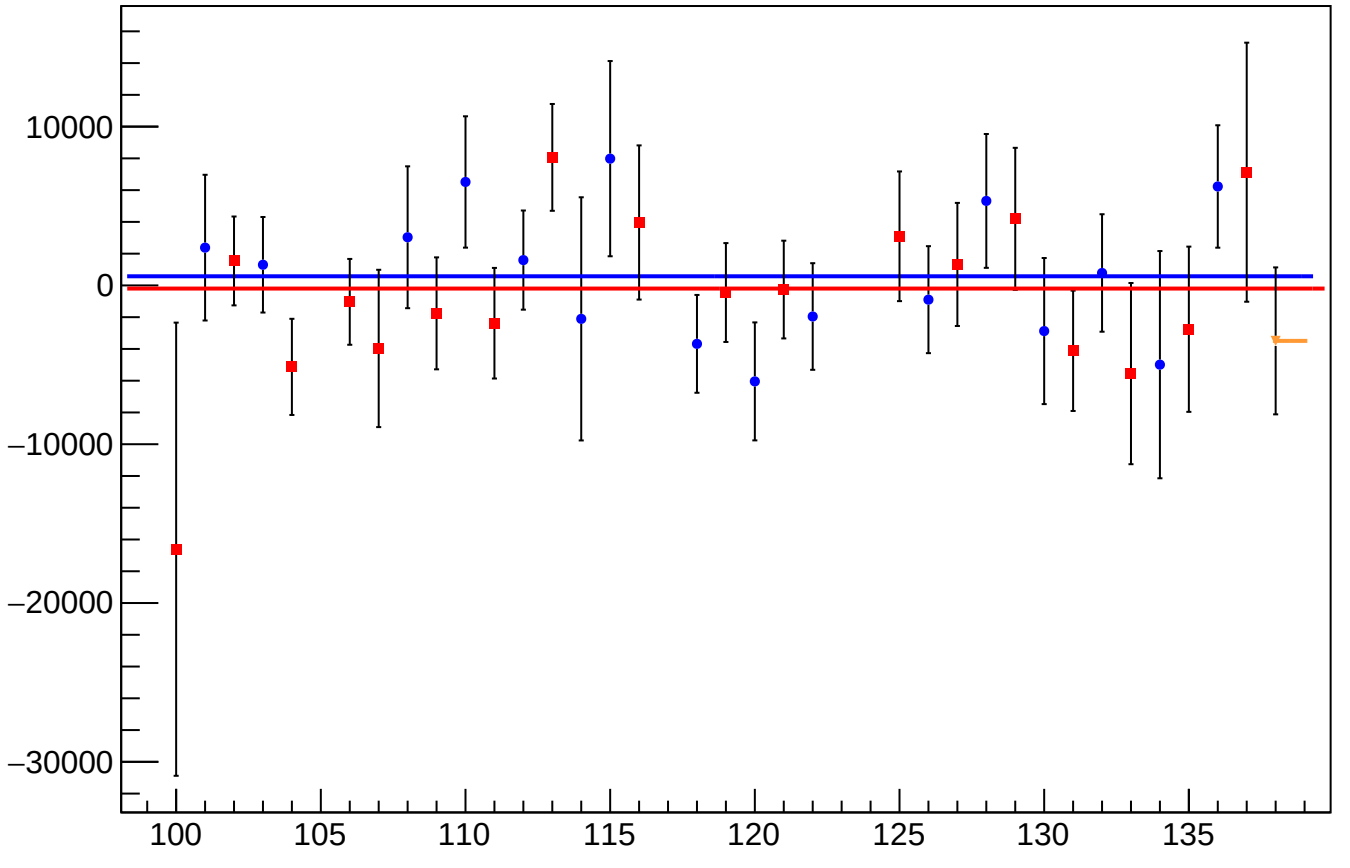
Left: 1264.156+/-1.012 χ^2/NDF: 0.0/0

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 872.972+/-0.233 χ^2/NDF:417098.9/15

Out: 886.572+/-0.226 χ^2/NDF:436882.0/18

All: 879.994+/-0.162 χ^2/NDF: 855734.0/34



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -3492.624+/-4626.870 χ^2/NDF:0.0/0

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

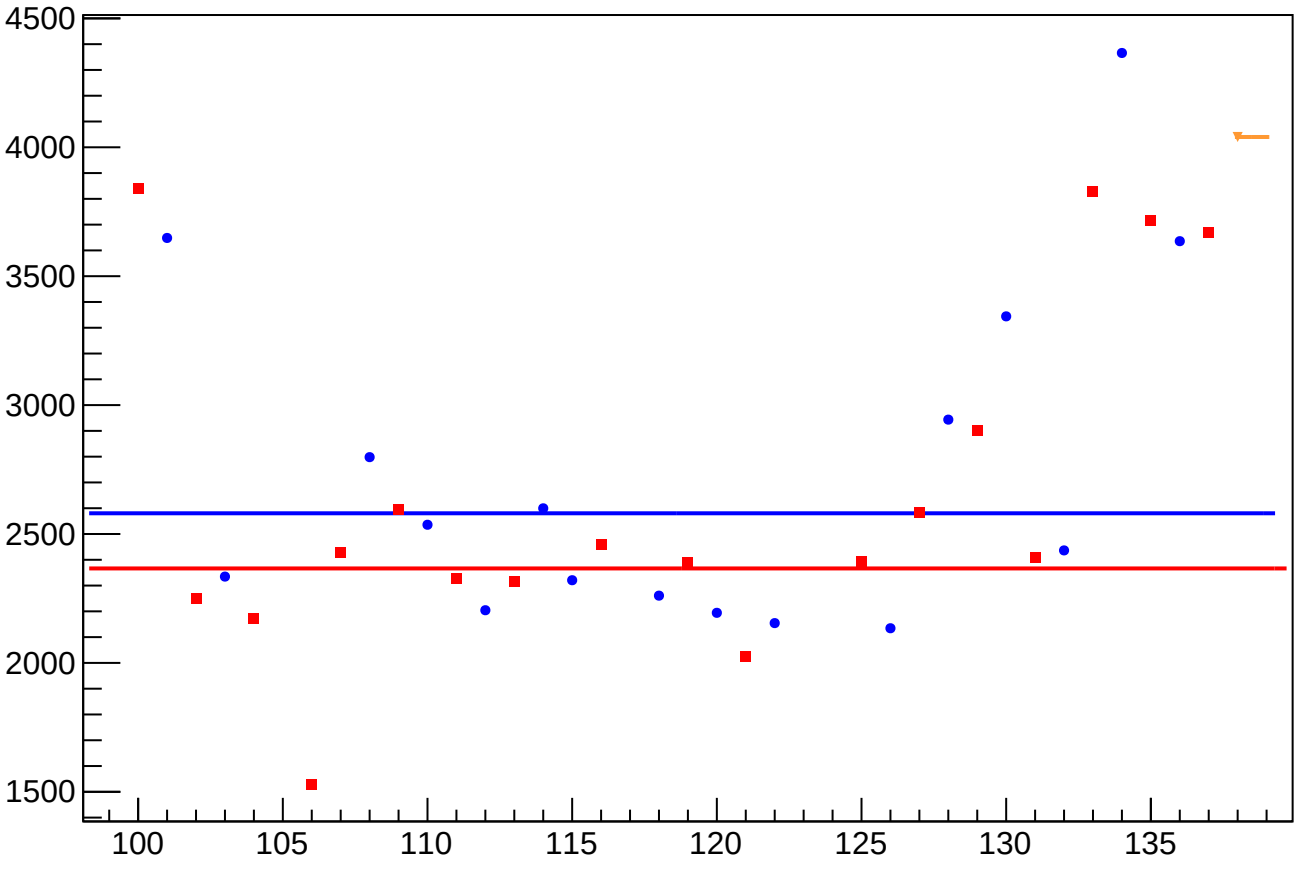
Left: -3492.624+/-4626.870 χ^2/NDF: 0.0/0

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 575.266+/-984.885 χ^2/NDF:14.7/15

Out: -316.560+/-877.877 χ^2/NDF:17.7/18

All: 78.290+/-655.332 χ^2/NDF: 32.8/34



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4039.916+/-3.272 χ^2/NDF:0.0/0

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4039.916+/-3.272 χ^2/NDF: 0.0/0

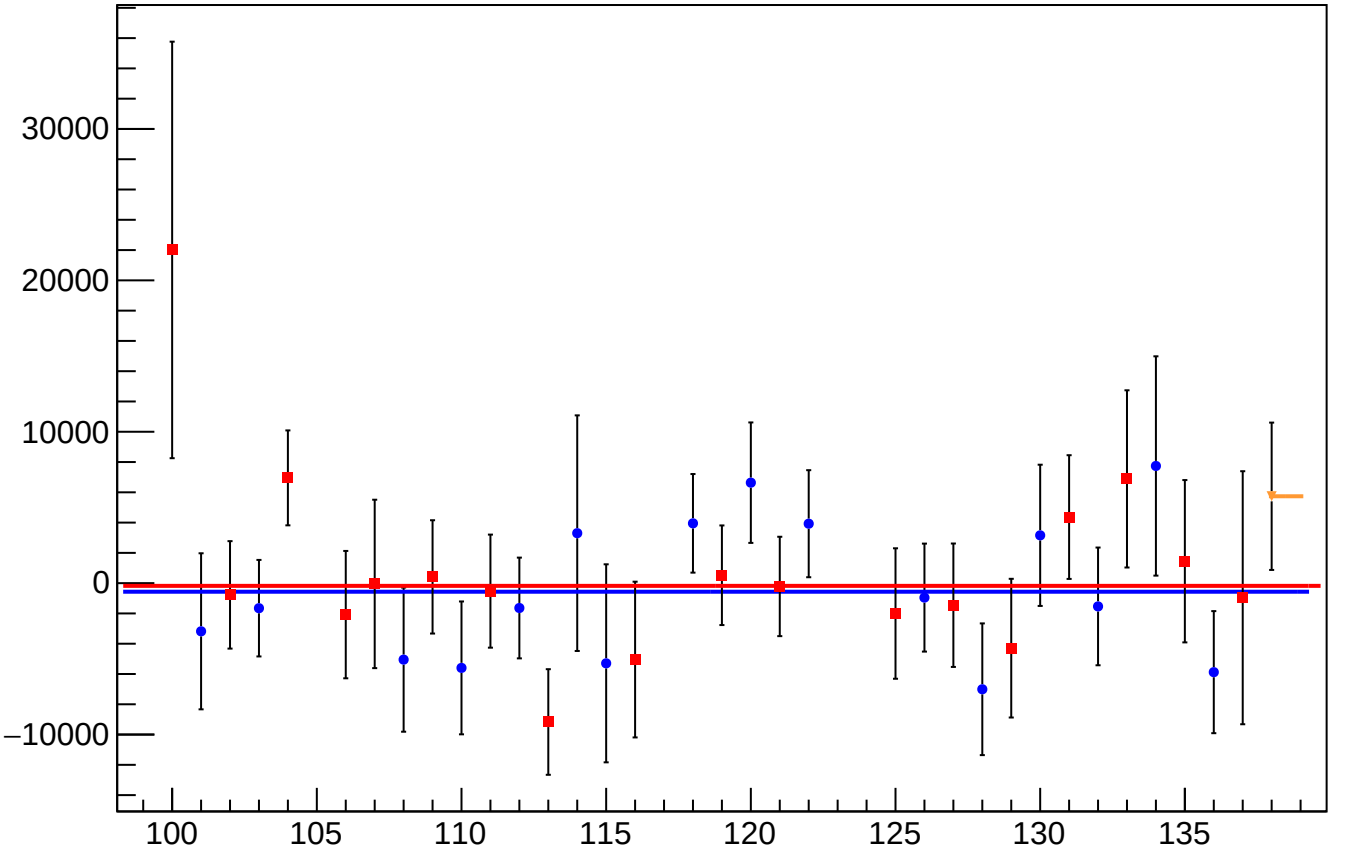
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 2580.368+/-0.696 χ^2/NDF:617163.3/15

Out: 2426.650+/-0.621 χ^2/NDF:863924.6/18

All: 2494.708+/-0.463 χ^2/NDF: 1508237.4/34

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 5738.796+/-4865.838 χ^2/NDF:0.0/0

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 5738.796+/-4865.838 χ^2/NDF: 0.0/0

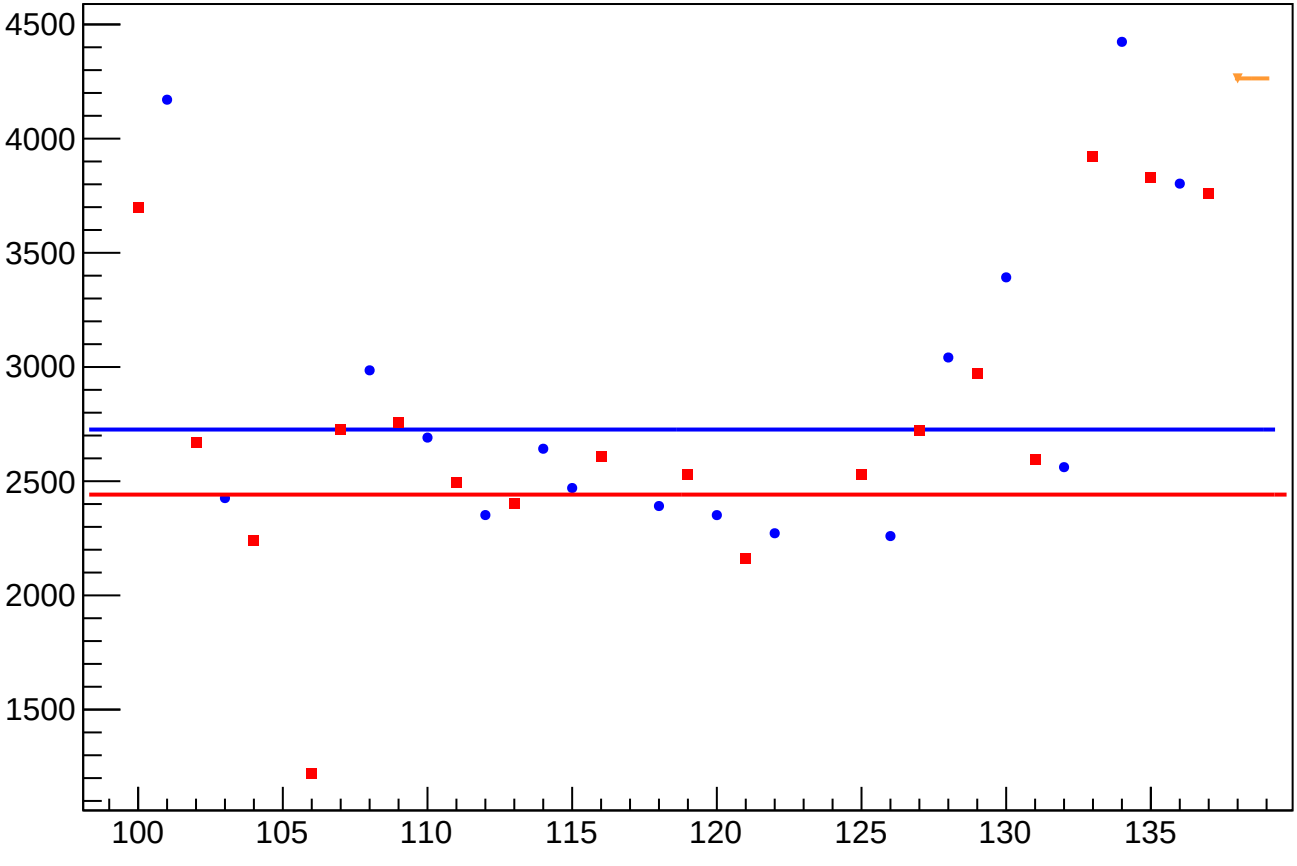
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -566.096+/-1040.314 χ^2/NDF:16.2/15

Out: 55.898+/-968.611 χ^2/NDF:20.9/18

All: -232.927+/-708.906 χ^2/NDF: 37.3/34

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4263.678+/-3.441 χ^2/NDF:0.0/0

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

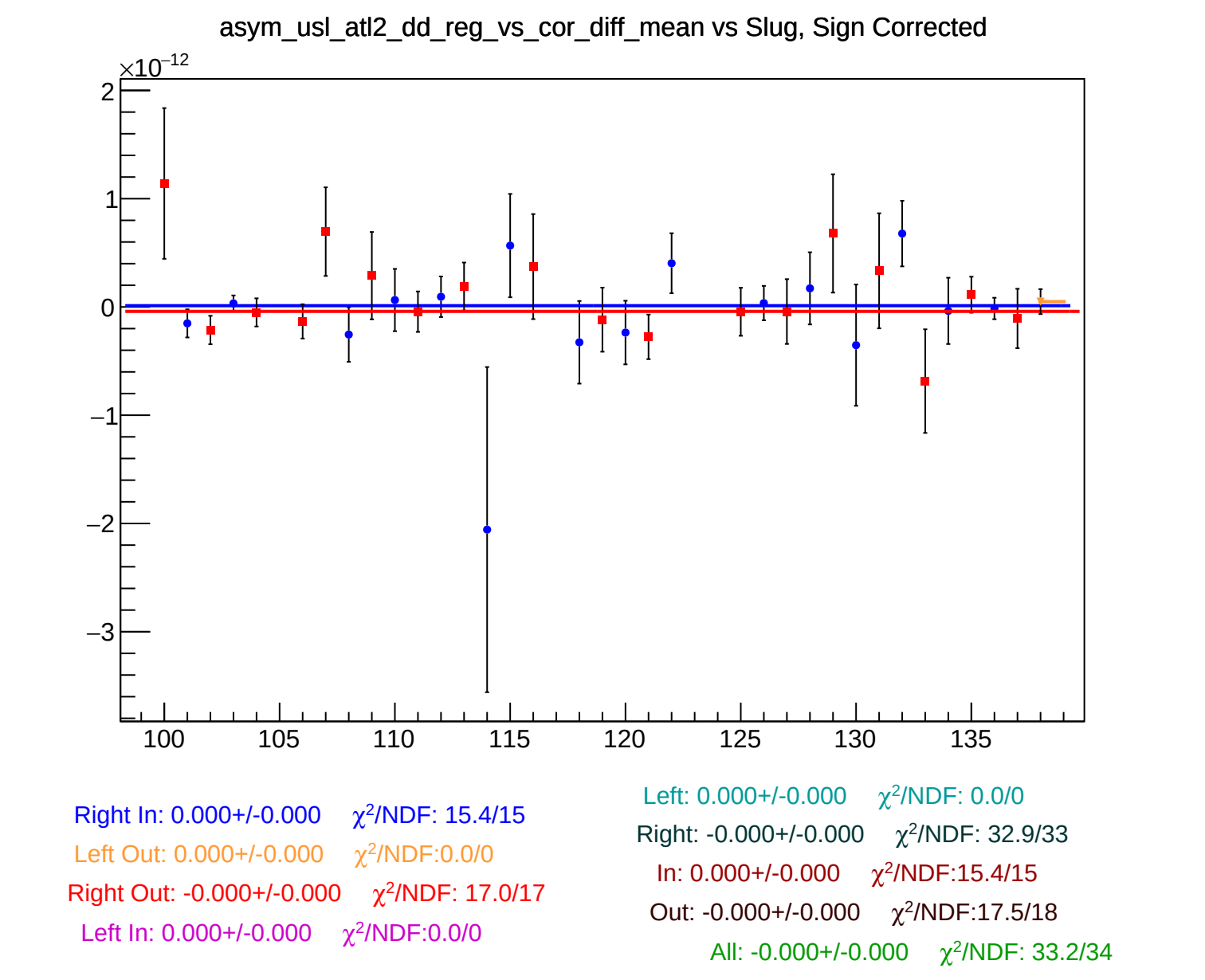
Left: 4263.678+/-3.441 χ^2/NDF: 0.0/0

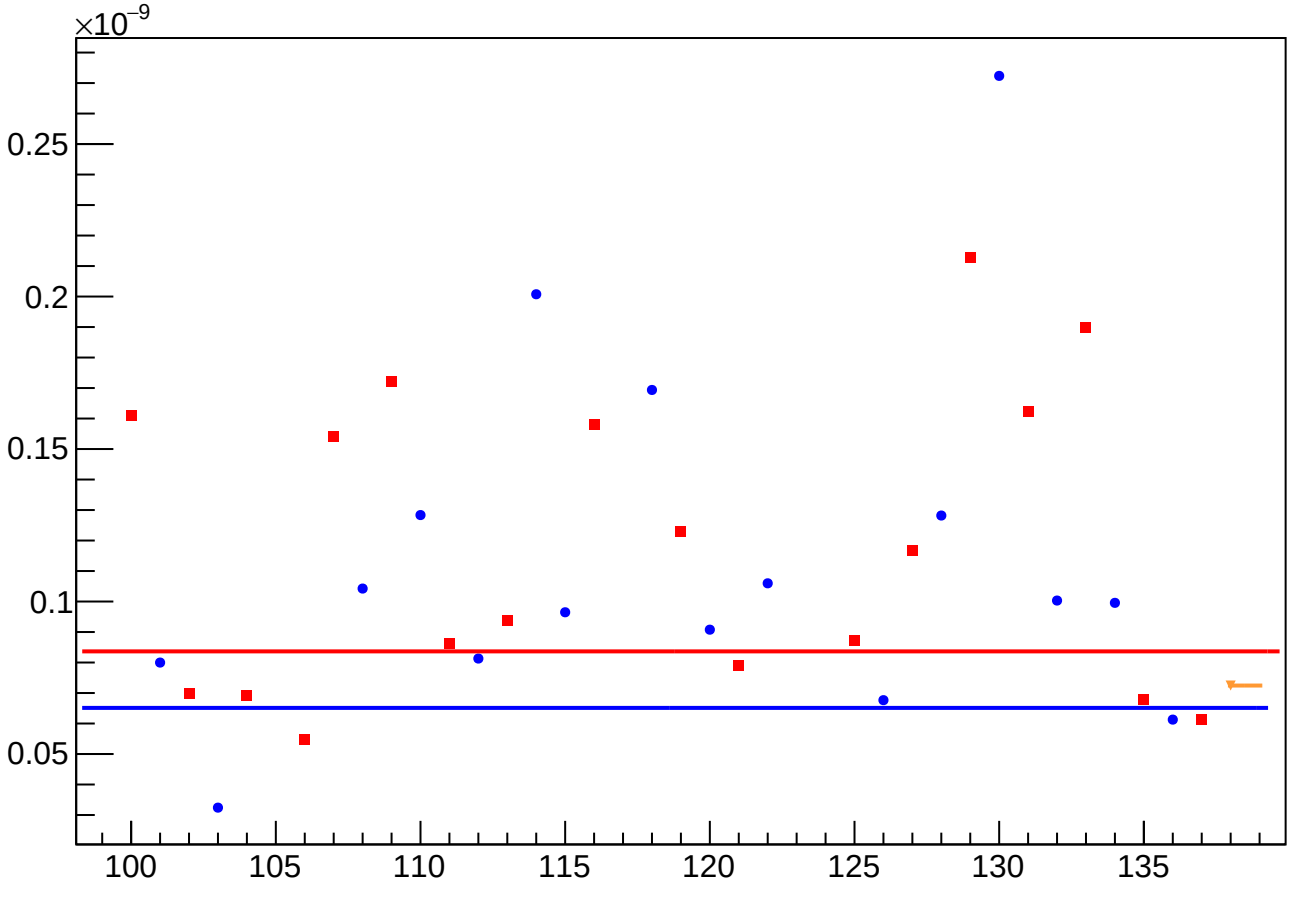
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 2726.231+/-0.736 χ^2/NDF:623079.8/15

Out: 2507.356+/-0.655 χ^2/NDF:1161492.8/18

All: 2604.107+/-0.489 χ^2/NDF: 1833969.7/34


asym_usl_atl2_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:15.4/15
Out: -0.000+/-0.000 χ²/NDF:17.5/18
All: -0.000+/-0.000 χ²/NDF: 33.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

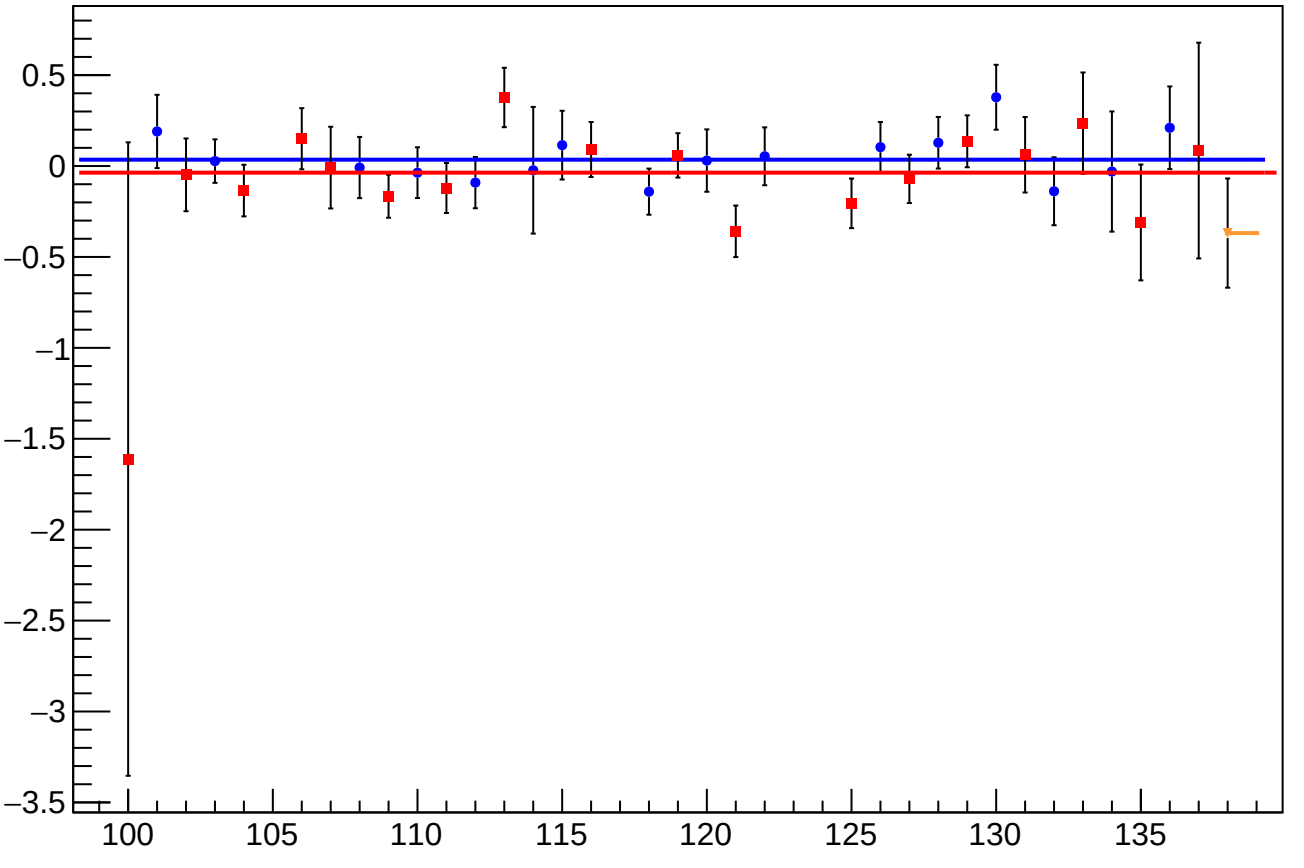
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:1222613.4/15

Out: 0.000+/-0.000 χ^2/NDF:707055.6/18

All: 0.000+/-0.000 χ^2/NDF: 2057630.4/34



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.369+/-0.300 χ^2/NDF:0.0/0

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

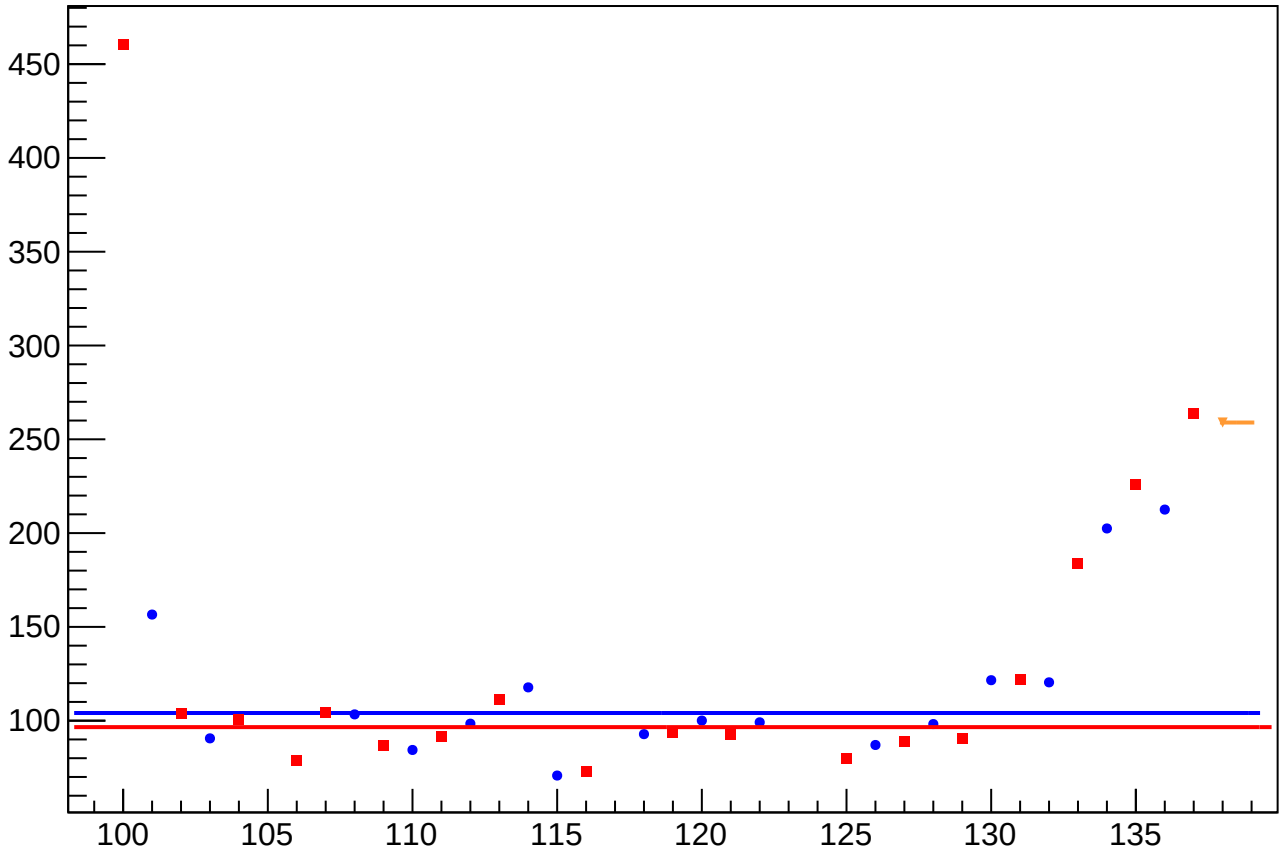
Left: -0.369+/-0.300 χ^2/NDF: 0.0/0

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.035+/-0.041 χ^2/NDF:9.8/15

Out: -0.042+/-0.039 χ^2/NDF:23.3/18

All: -0.006+/-0.028 χ^2/NDF: 34.9/34



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 258.950+/-0.212 χ^2/NDF:0.0/0

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

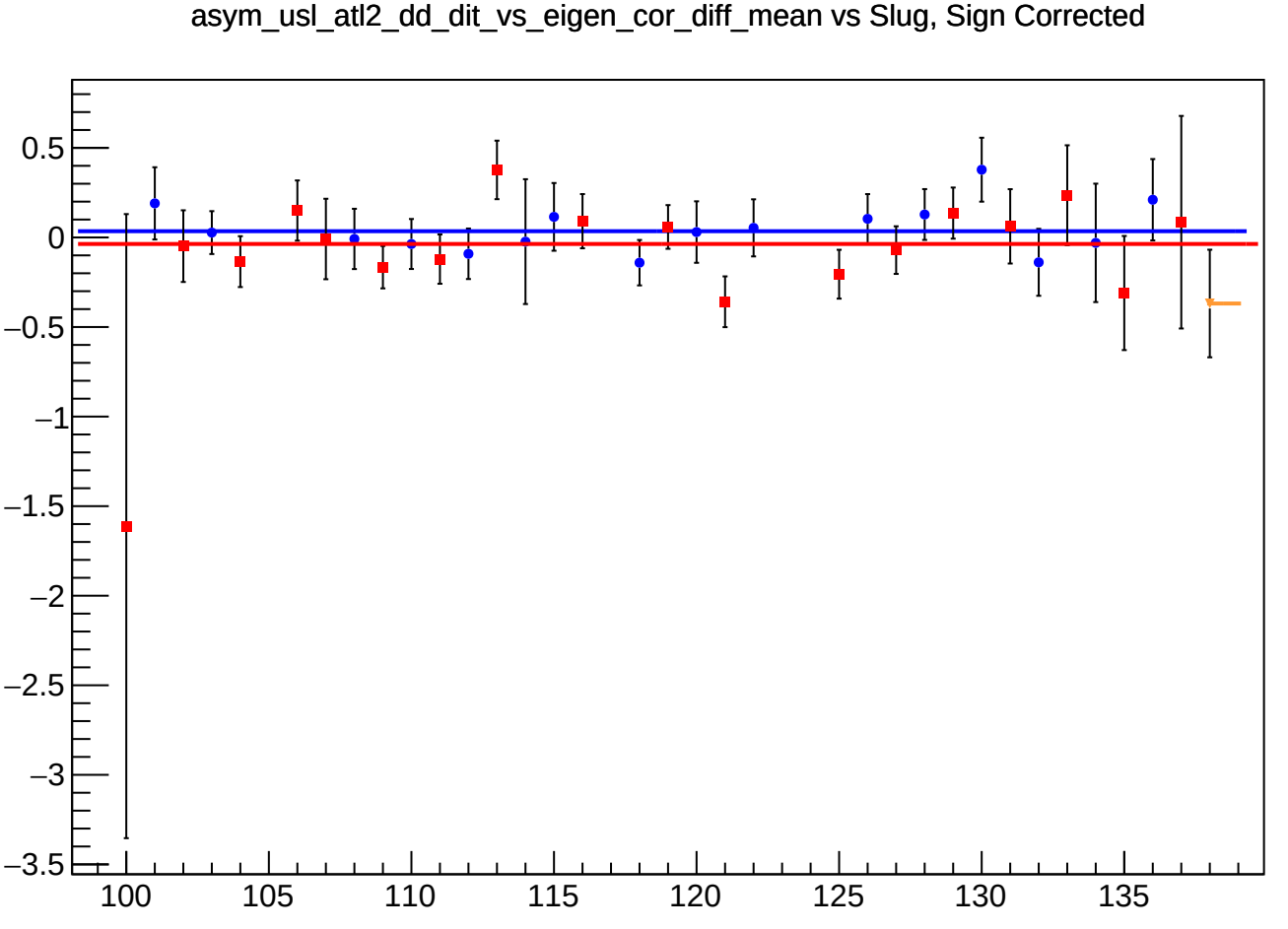
Left: 258.950+/-0.212 χ^2/NDF: 0.0/0

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 104.099+/-0.029 χ^2/NDF:989856.1/15

Out: 99.248+/-0.027 χ^2/NDF:1530494.9/18

All: 101.524+/-0.020 χ^2/NDF: 2535189.4/34



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.369+/-0.300 χ^2/NDF:0.0/0

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.369+/-0.300 χ^2/NDF: 0.0/0

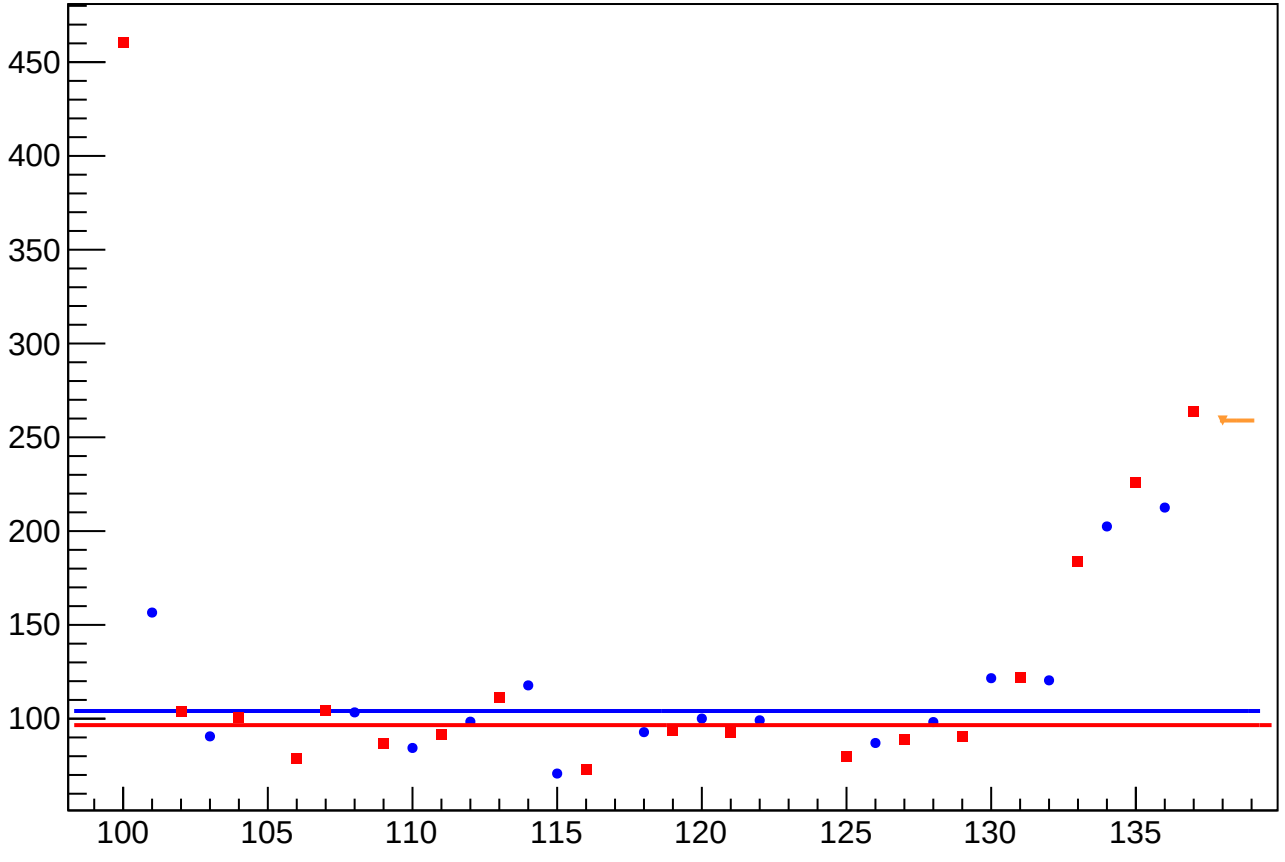
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.035+/-0.041 χ^2/NDF:9.8/15

Out: -0.042+/-0.039 χ^2/NDF:23.3/18

All: -0.006+/-0.028 χ^2/NDF: 34.9/34

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 258.950+/-0.212 χ^2/NDF:0.0/0

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

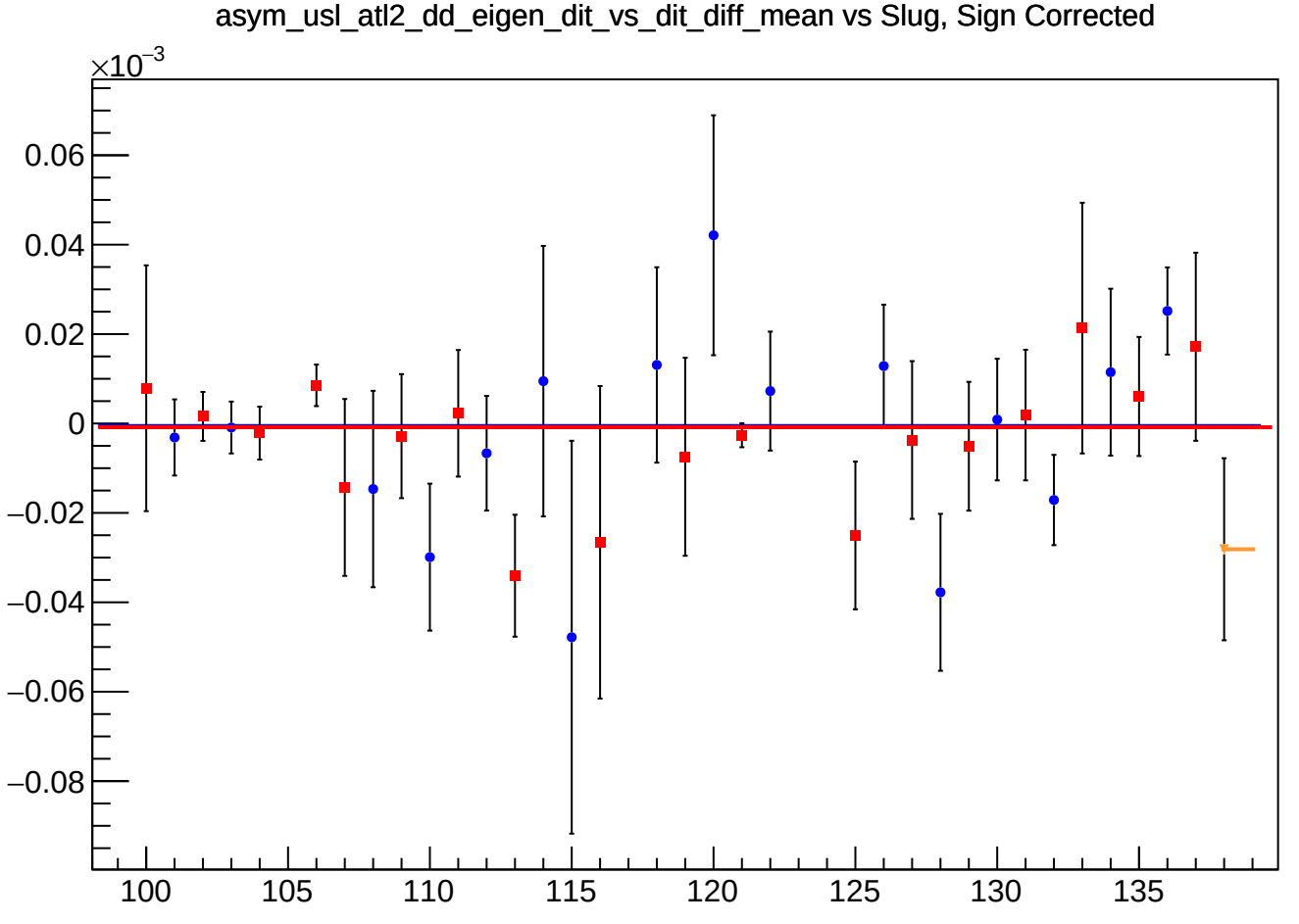
Left: 258.950+/-0.212 χ^2/NDF: 0.0/0

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 104.099+/-0.029 χ^2/NDF:989856.1/15

Out: 99.248+/-0.027 χ^2/NDF:1530494.9/18

All: 101.524+/-0.020 χ^2/NDF: 2535189.4/34



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

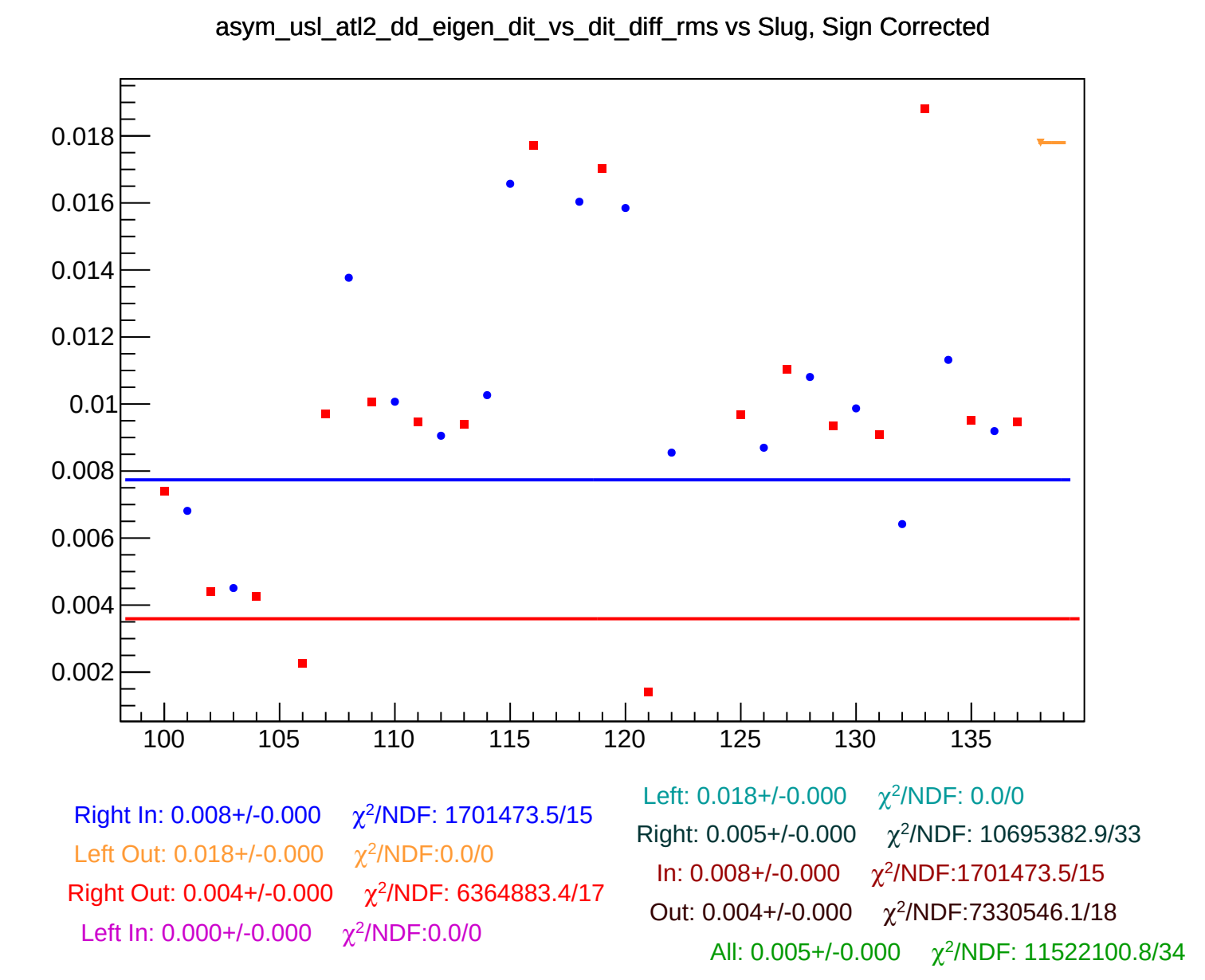
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

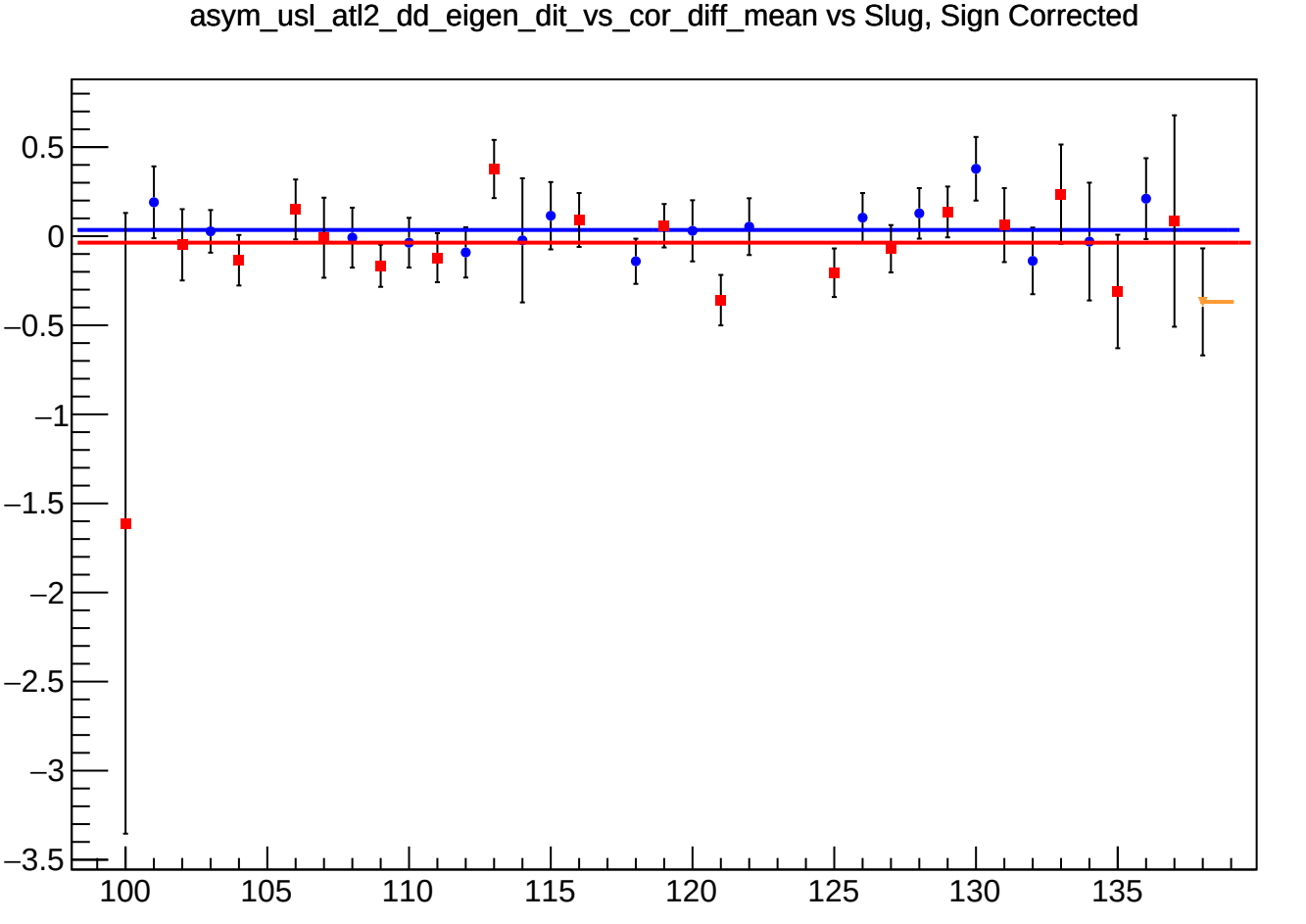
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:24.0/15

Out: -0.000+/-0.000 χ^2/NDF:17.7/18

All: -0.000+/-0.000 χ^2/NDF: 41.6/34


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
Right In: 0.008+/-0.000 χ²/NDF: 1701473.5/15
Left Out: 0.018+/-0.000 χ²/NDF:0.0/0
Right Out: 0.004+/-0.000 χ²/NDF: 6364883.4/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.018+/-0.000 χ²/NDF: 0.0/0
Right: 0.005+/-0.000 χ²/NDF: 10695382.9/33
In: 0.008+/-0.000 χ²/NDF:1701473.5/15
Out: 0.004+/-0.000 χ²/NDF:7330546.1/18
All: 0.005+/-0.000 χ²/NDF: 11522100.8/34



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.369+/-0.300 χ^2/NDF:0.0/0

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

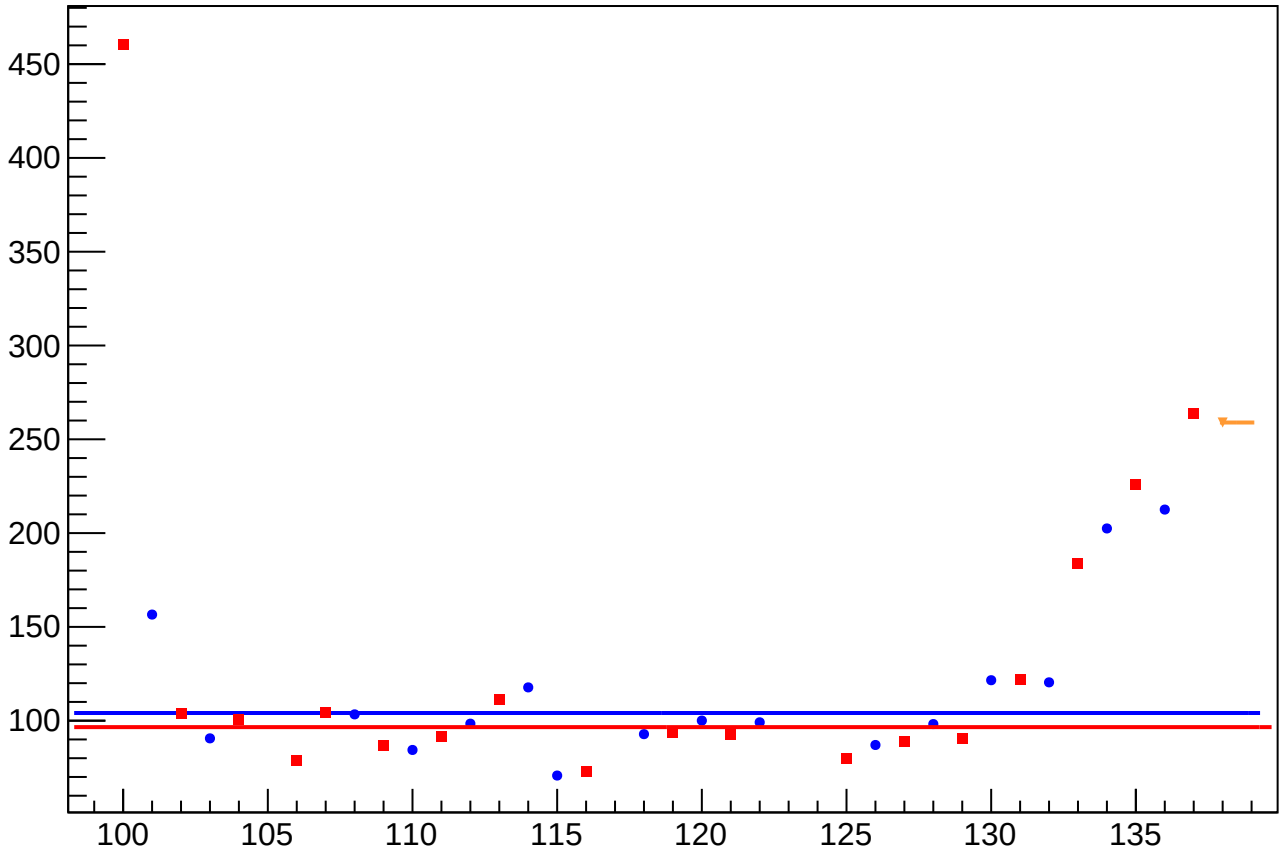
Left: -0.369+/-0.300 χ^2/NDF: 0.0/0

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.035+/-0.041 χ^2/NDF:9.8/15

Out: -0.042+/-0.039 χ^2/NDF:23.3/18

All: -0.006+/-0.028 χ^2/NDF: 34.9/34



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 258.952+/-0.212 χ^2/NDF:0.0/0

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 258.952+/-0.212 χ^2/NDF: 0.0/0

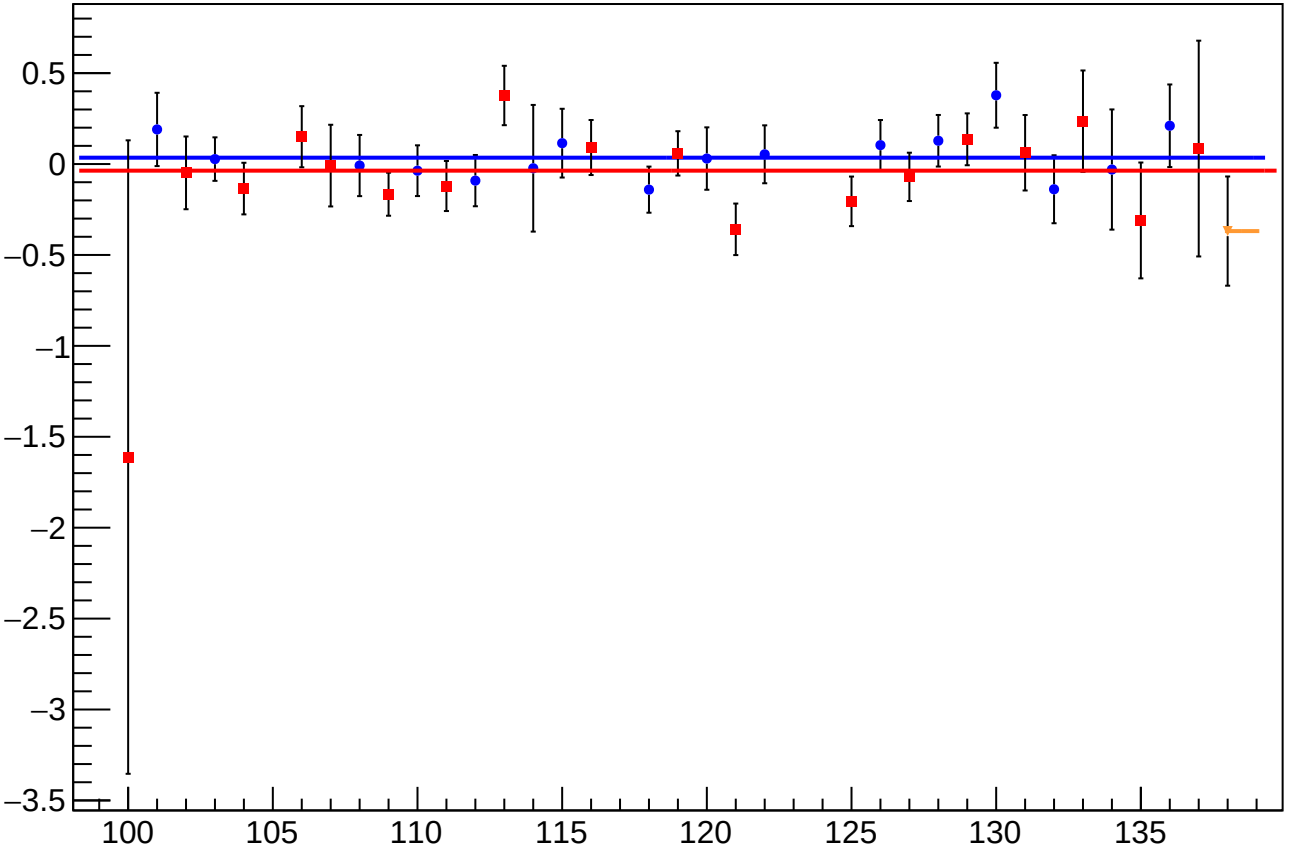
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 104.100+/-0.029 χ^2/NDF:989809.0/15

Out: 99.249+/-0.027 χ^2/NDF:1530423.1/18

All: 101.525+/-0.020 χ^2/NDF: 2535067.4/34

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: -0.369+/-0.300 χ^2/NDF:0.0/0

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.369+/-0.300 χ^2/NDF: 0.0/0

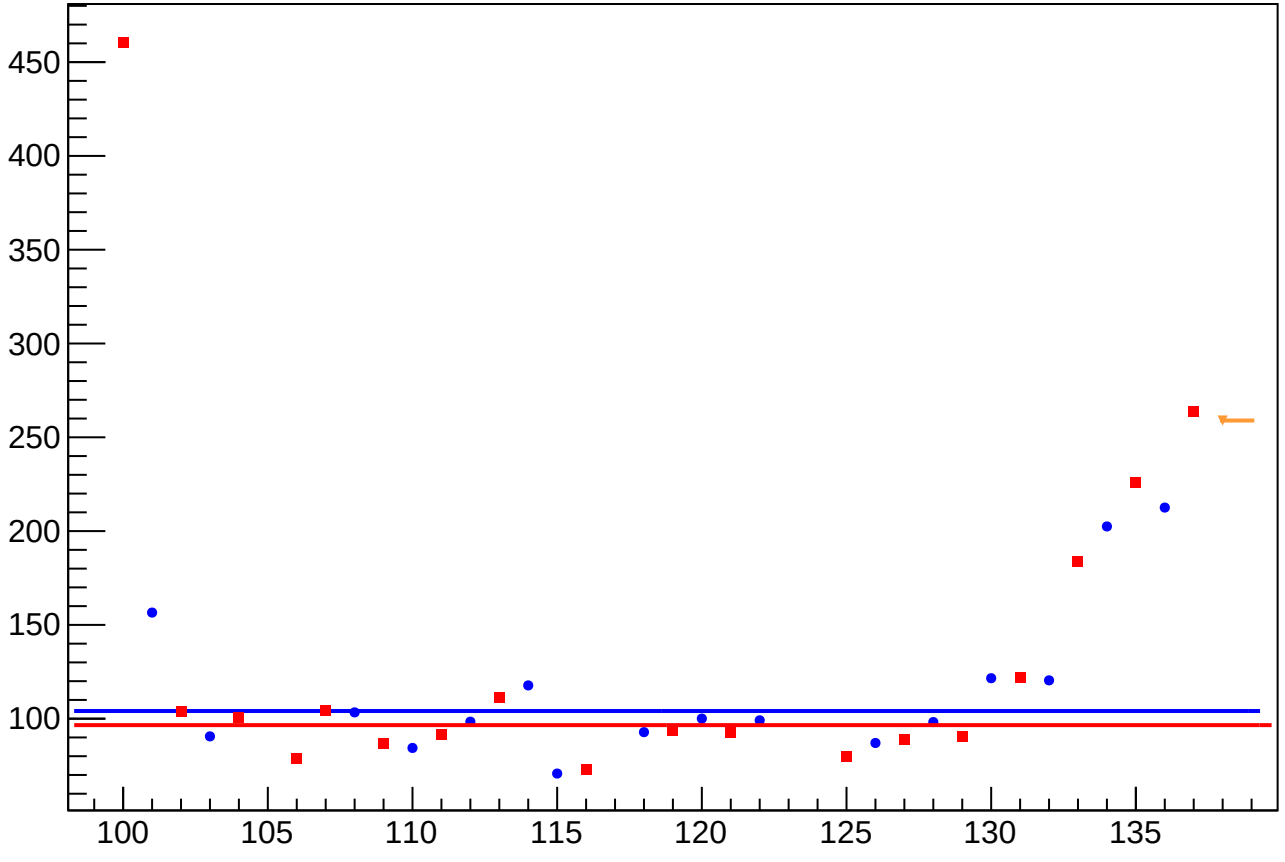
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.035+/-0.041 χ^2/NDF:9.8/15

Out: -0.042+/-0.039 χ^2/NDF:23.3/18

All: -0.006+/-0.028 χ^2/NDF: 34.9/34

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: 258.952+/-0.212 χ^2/NDF:0.0/0

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

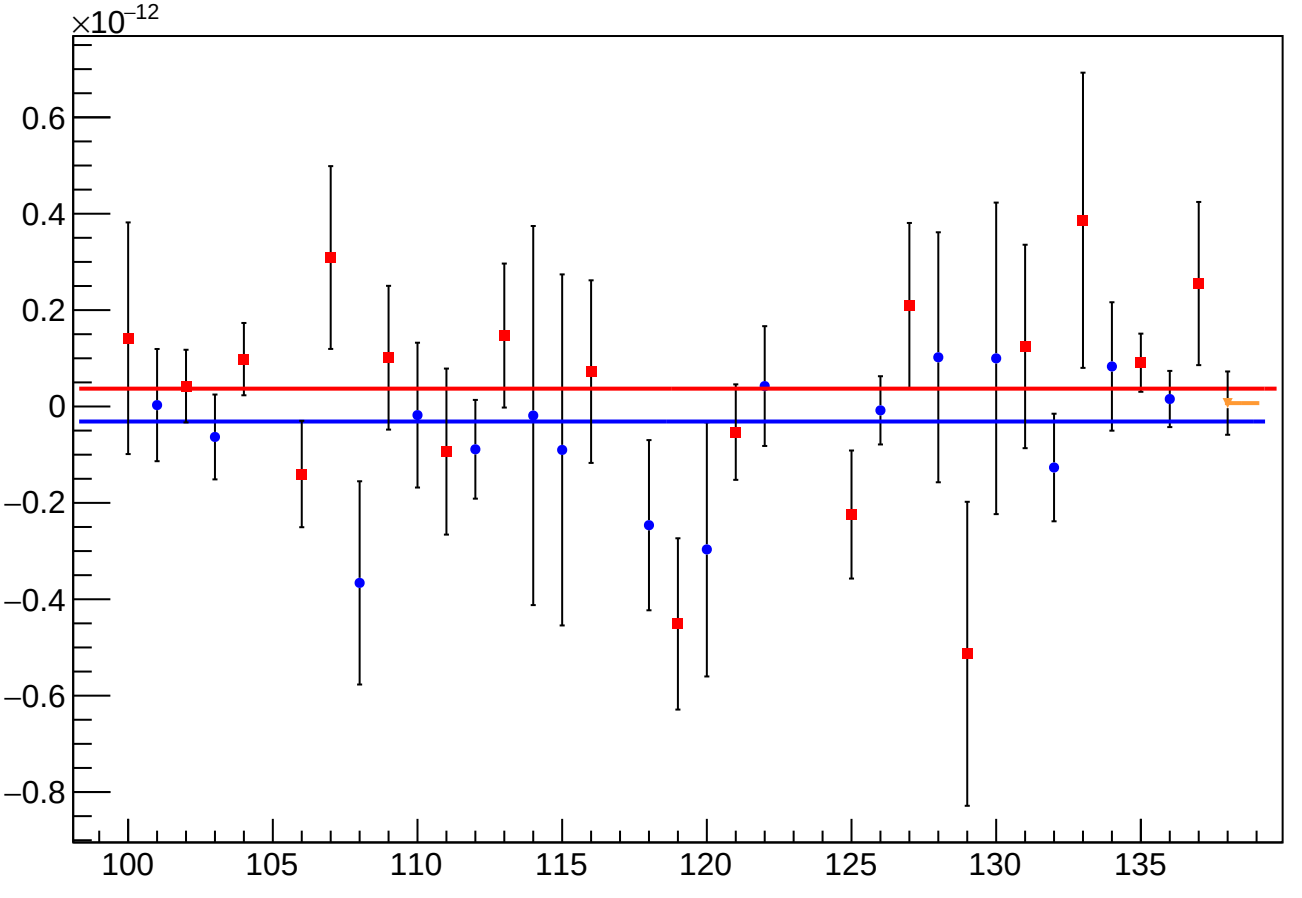
Left: 258.952+/-0.212 χ^2/NDF: 0.0/0

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 104.100+/-0.029 χ^2/NDF:989809.0/15

Out: 99.249+/-0.027 χ^2/NDF:1530423.1/18

All: 101.525+/-0.020 χ^2/NDF: 2535067.4/34



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

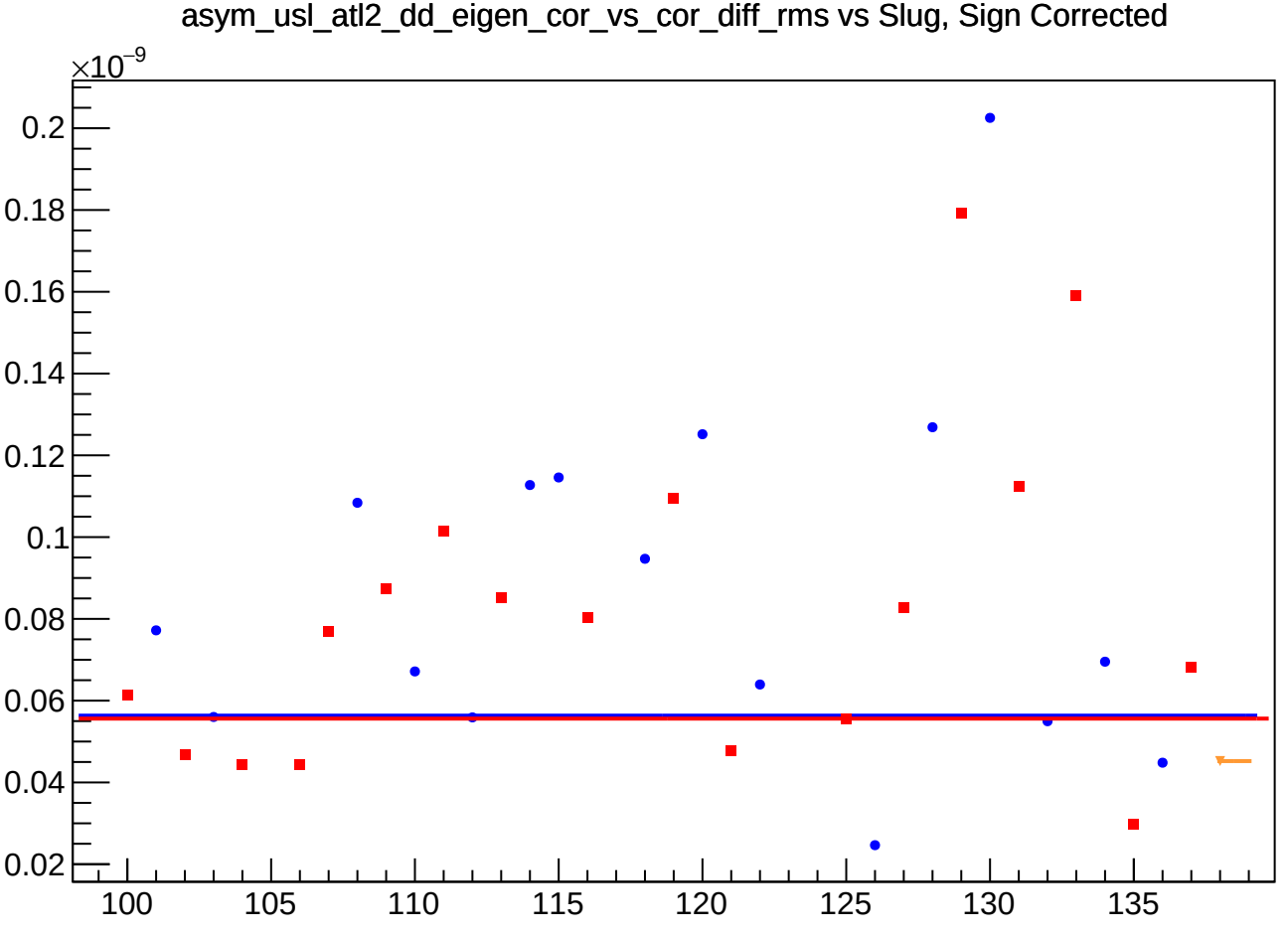
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:8.6/15

Out: 0.000+/-0.000 χ^2/NDF:27.2/18

All: 0.000+/-0.000 χ^2/NDF: 38.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

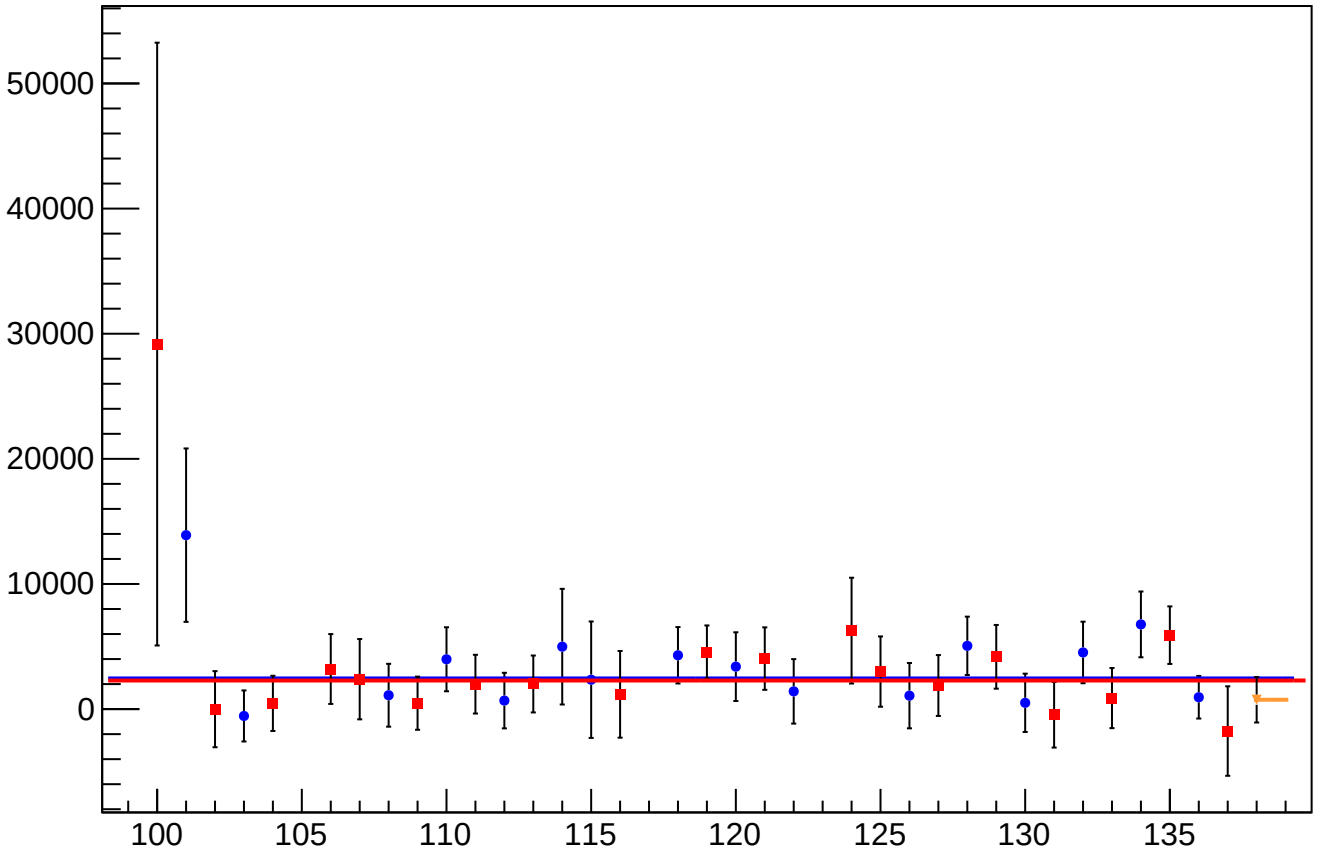
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:1582688.2/15

Out: 0.000+/-0.000 χ^2/NDF:1809418.3/18

All: 0.000+/-0.000 χ^2/NDF: 3399407.2/34



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 748.450+/-1818.231 χ^2/NDF:0.0/0

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

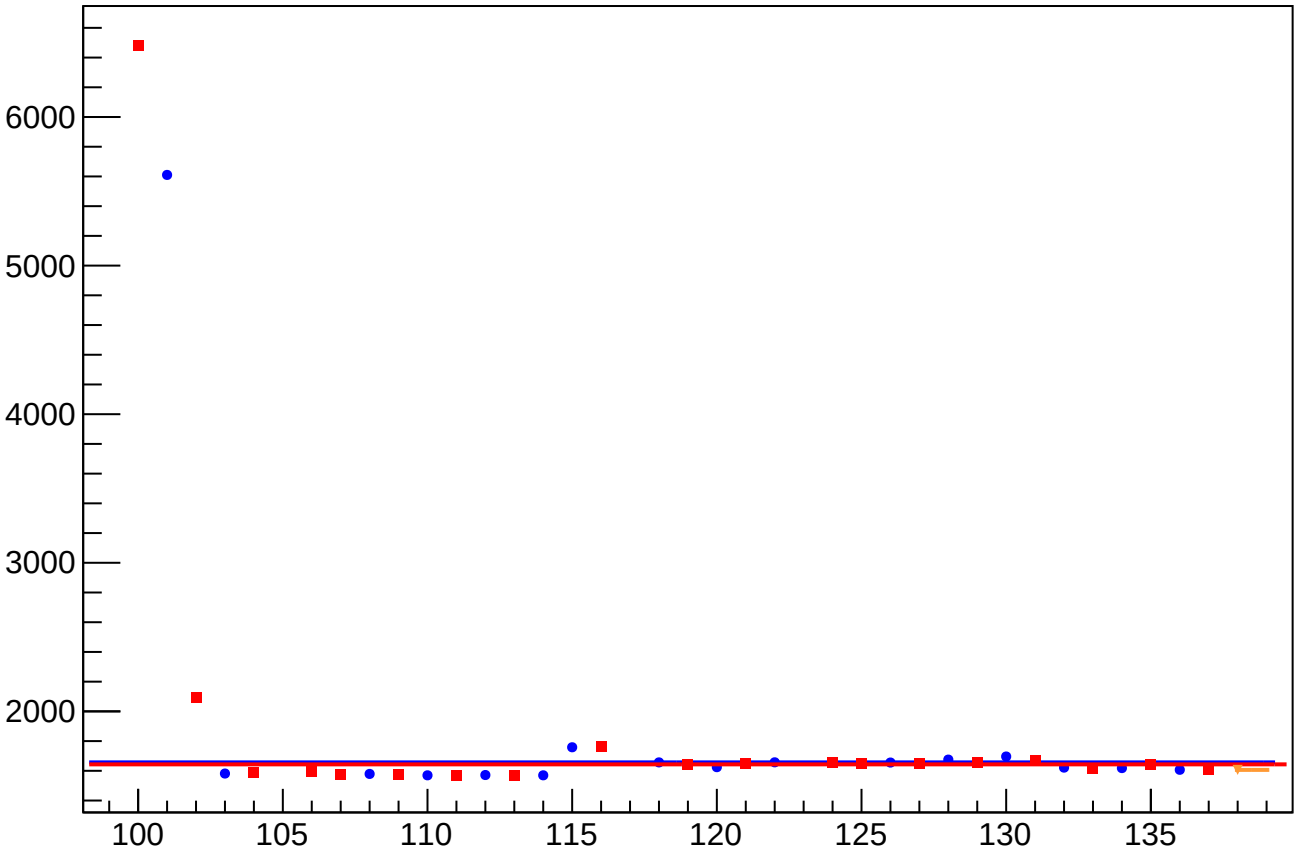
Left: 748.450+/-1818.231 χ^2/NDF: 0.0/0

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2449.957+/-630.235 χ^2/NDF:13.8/15

Out: 2131.352+/-577.603 χ^2/NDF:12.5/19

All: 2276.797+/-425.820 χ^2/NDF: 26.5/35



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1606.222+/-1.286 χ^2/NDF:0.0/0

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1606.222+/-1.286 χ^2/NDF: 0.0/0

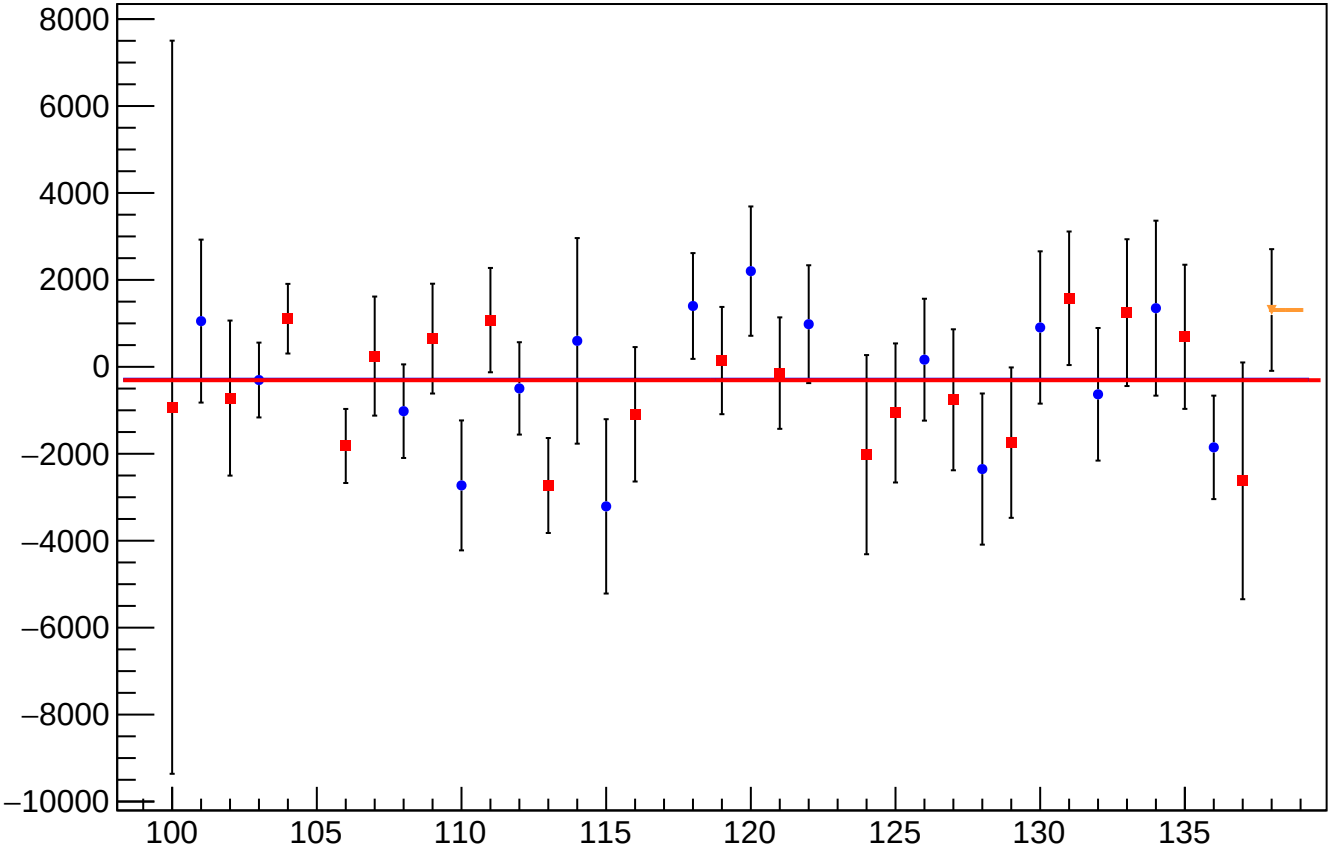
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1656.683+/-0.446 χ^2/NDF:666226.2/15

Out: 1639.675+/-0.408 χ^2/NDF:137750.9/19

All: 1647.439+/-0.301 χ^2/NDF: 804768.7/35

asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 1307.689+/-1399.772 χ^2/NDF:0.0/0

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

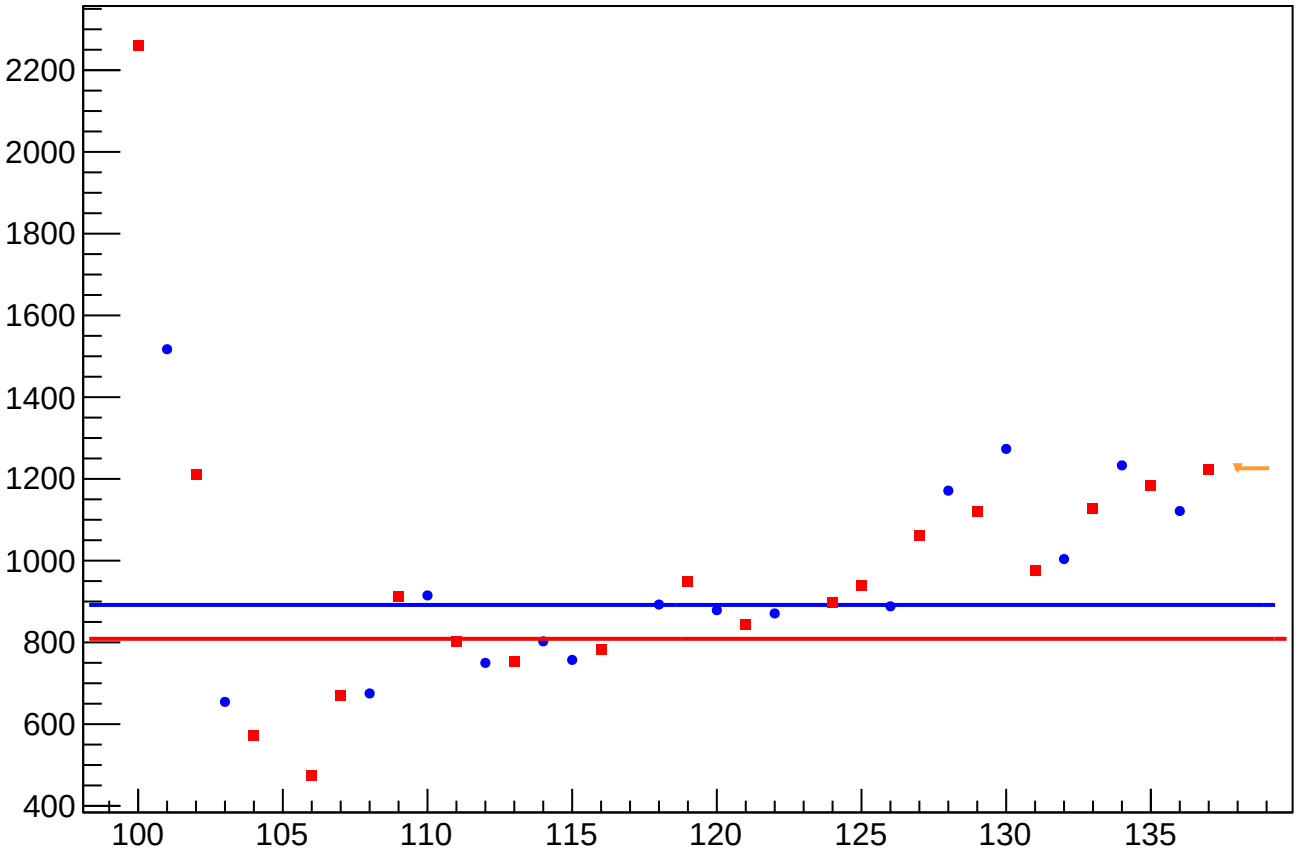
Left: 1307.689+/-1399.772 χ^2/NDF: 0.0/0

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -296.450+/-343.436 χ^2/NDF:16.0/15

Out: -230.759+/-305.435 χ^2/NDF:20.0/19

All: -259.771+/-228.233 χ^2/NDF: 36.0/35



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 1225.994+/-0.990 χ^2/NDF:0.0/0

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

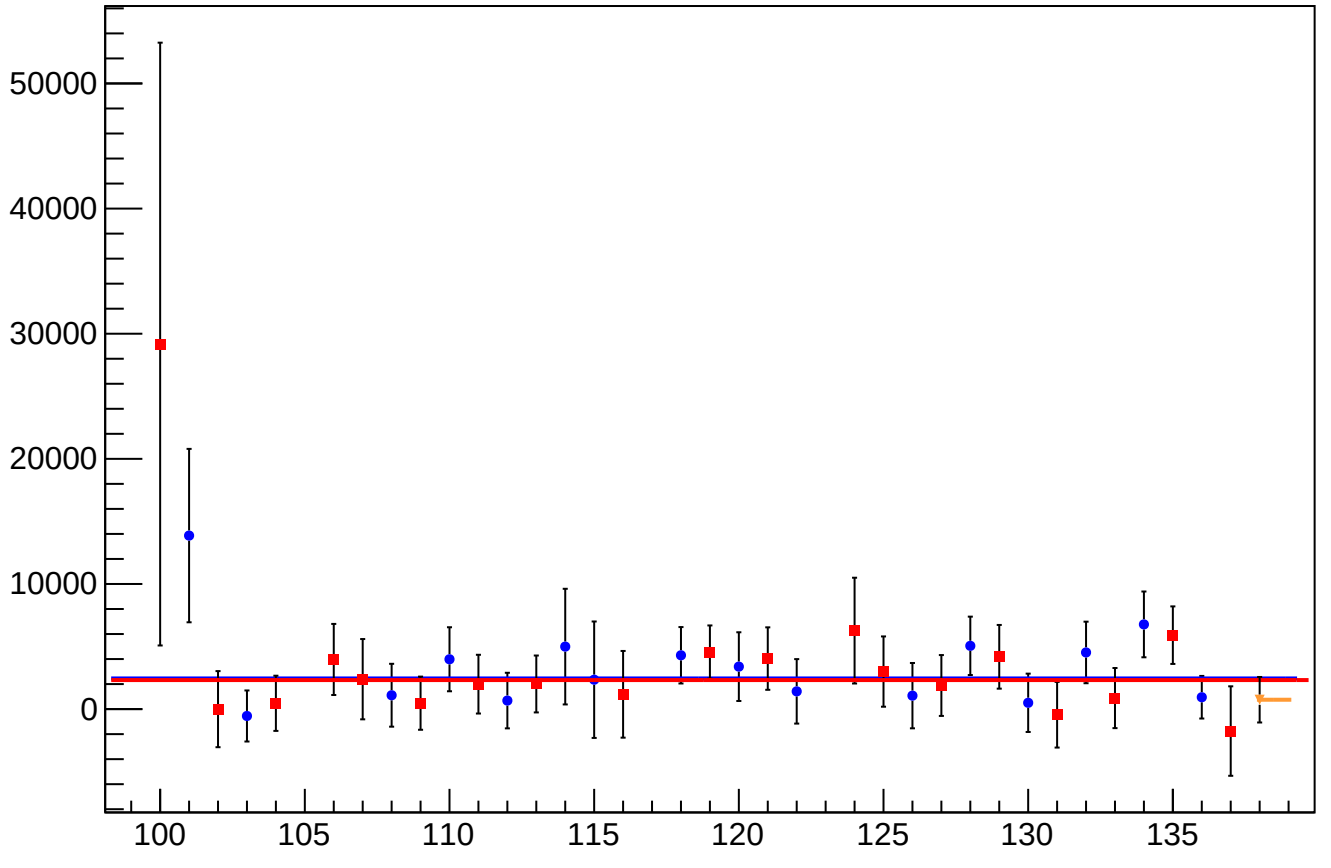
Left: 1225.994+/-0.990 χ^2/NDF: 0.0/0

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 891.633+/-0.243 χ^2/NDF:793897.2/15

Out: 828.672+/-0.216 χ^2/NDF:1253036.2/19

All: 856.478+/-0.161 χ^2/NDF: 2084464.6/35



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 748.473+/-1818.231 χ^2/NDF:0.0/0

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

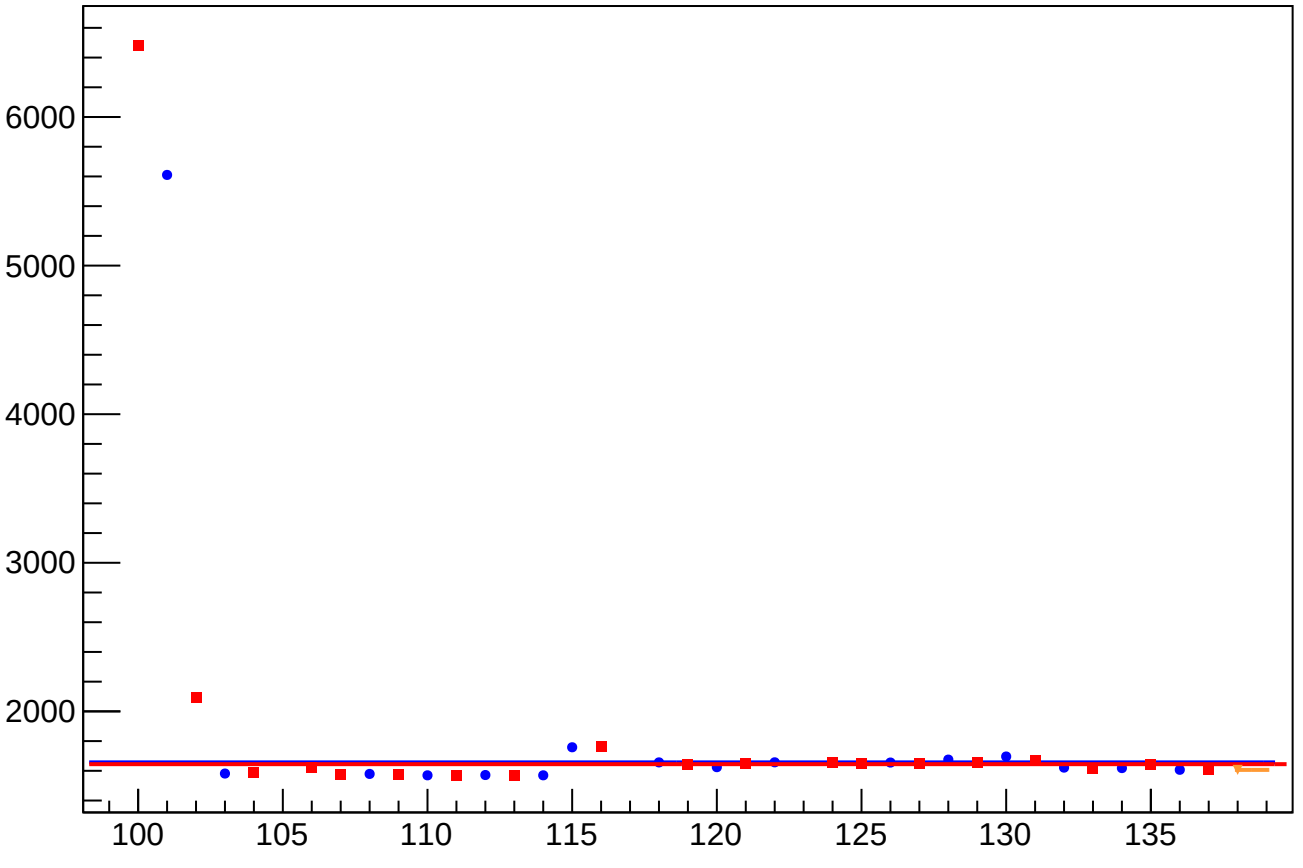
Left: 748.473+/-1818.231 χ^2/NDF: 0.0/0

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2449.397+/-630.235 χ^2/NDF:13.8/15

Out: 2161.690+/-578.029 χ^2/NDF:12.7/19

All: 2293.136+/-425.991 χ^2/NDF: 26.7/35



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1606.222+/-1.286 χ^2/NDF:0.0/0

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

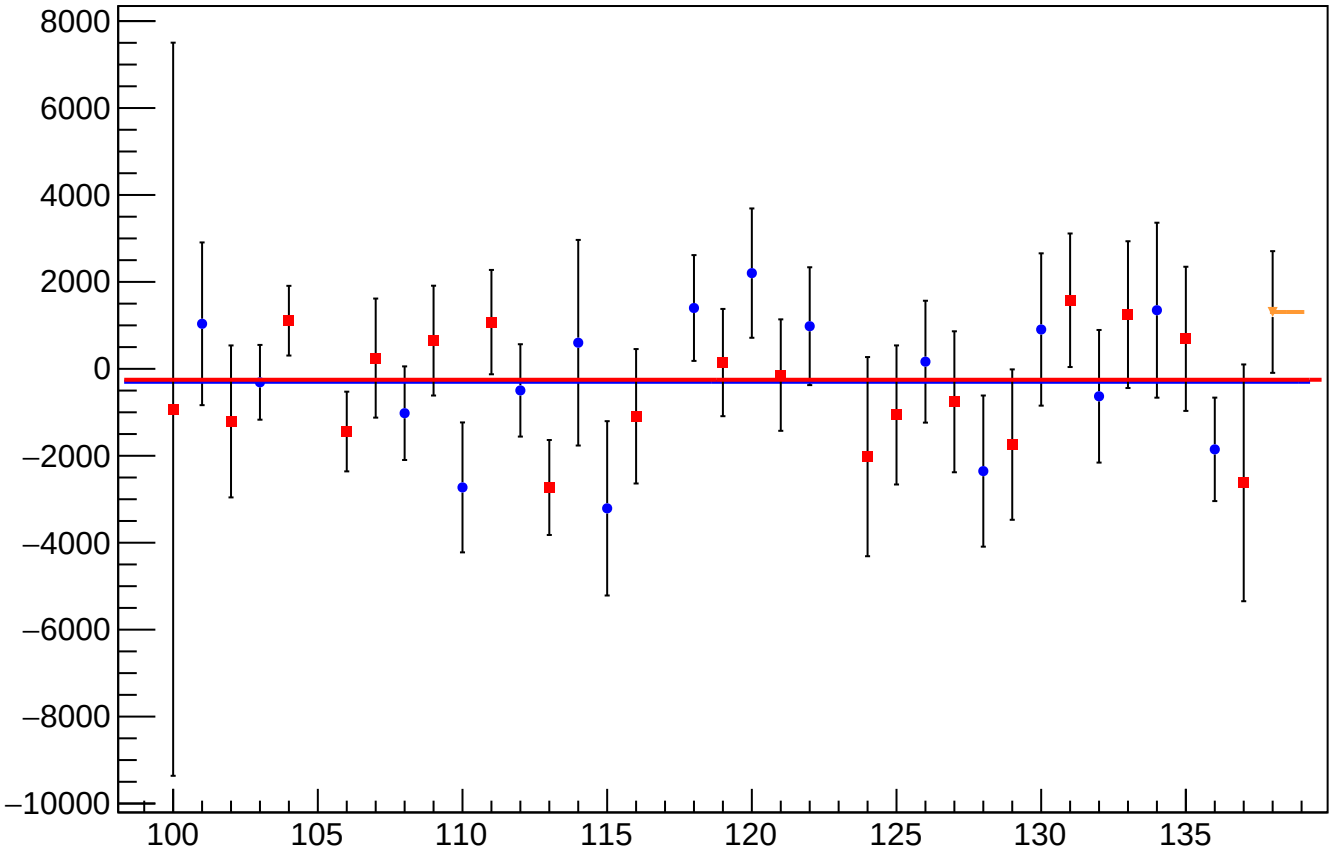
Left: 1606.222+/-1.286 χ^2/NDF: 0.0/0

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1656.683+/-0.446 χ^2/NDF:666225.7/15

Out: 1640.841+/-0.409 χ^2/NDF:137289.6/19

All: 1648.079+/-0.301 χ^2/NDF: 804201.8/35



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1307.595+/-1399.765 χ^2/NDF:0.0/0

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

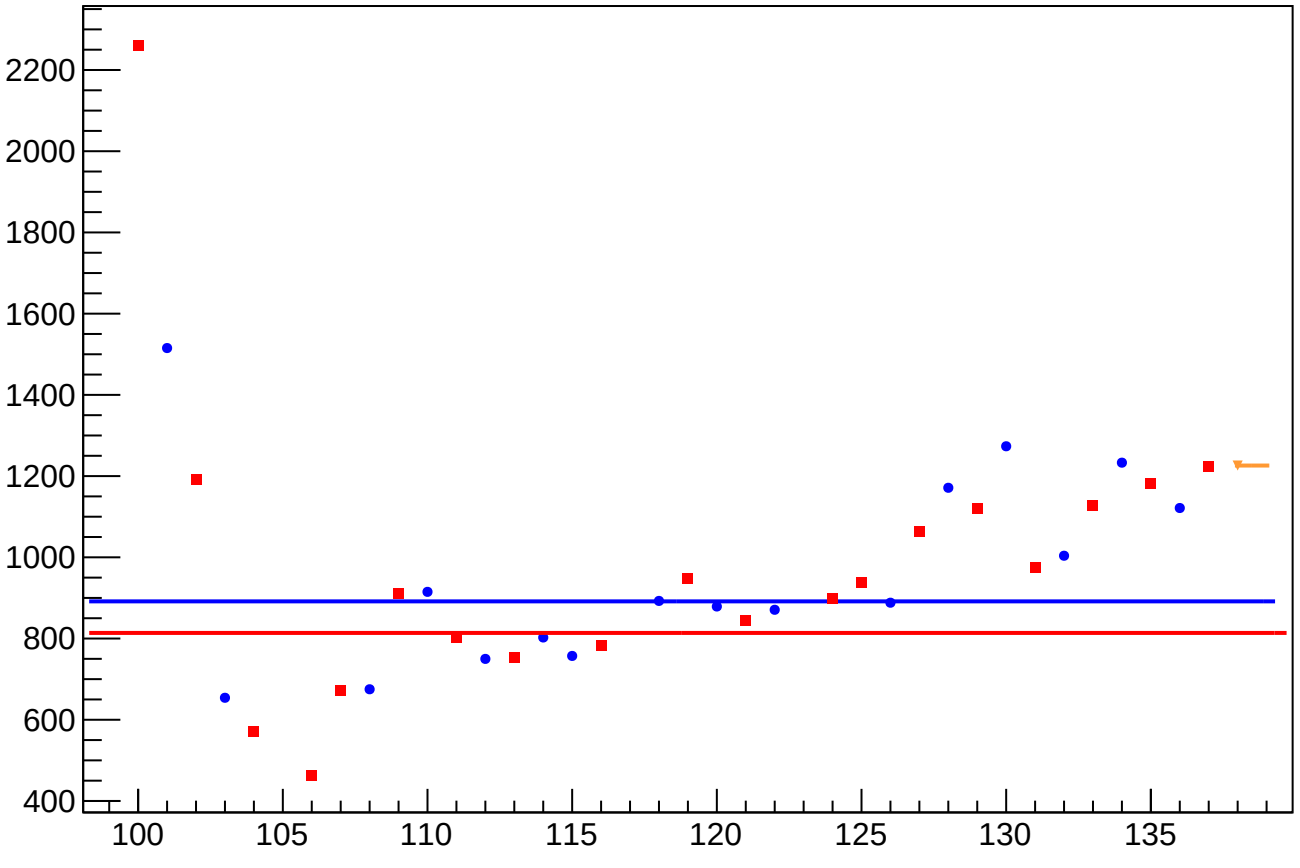
Left: 1307.595+/-1399.765 χ^2/NDF: 0.0/0

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -297.794+/-343.391 χ^2/NDF:15.9/15

Out: -175.753+/-308.010 χ^2/NDF:18.4/19

All: -230.164+/-229.288 χ^2/NDF: 34.5/35



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 1225.986+/-0.990 χ^2/NDF:0.0/0

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

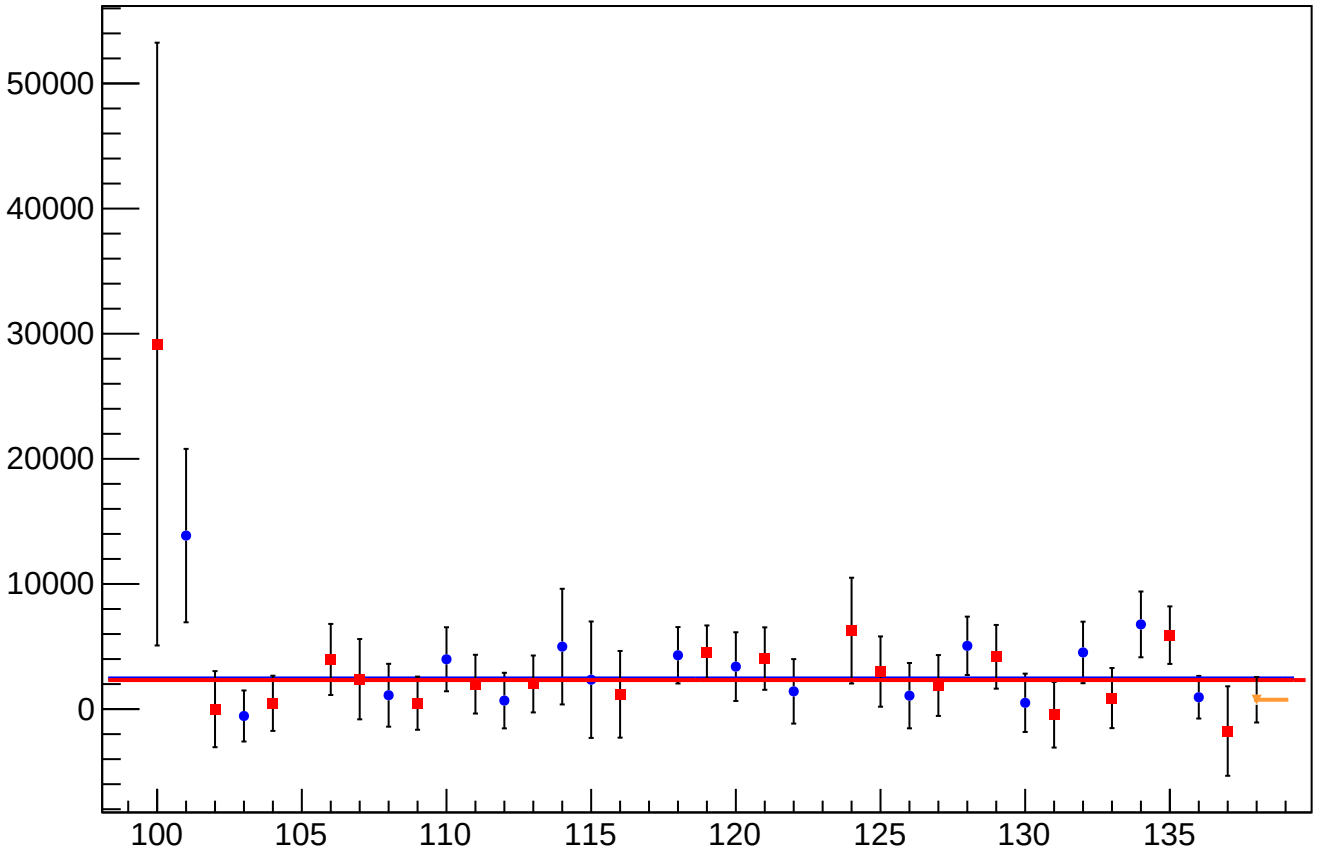
Left: 1225.986+/-0.990 χ^2/NDF: 0.0/0

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 891.533+/-0.243 χ^2/NDF:793657.2/15

Out: 833.765+/-0.218 χ^2/NDF:1218011.7/19

All: 859.520+/-0.162 χ^2/NDF: 2043035.2/35



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 748.473+/-1818.231 χ^2/NDF:0.0/0

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

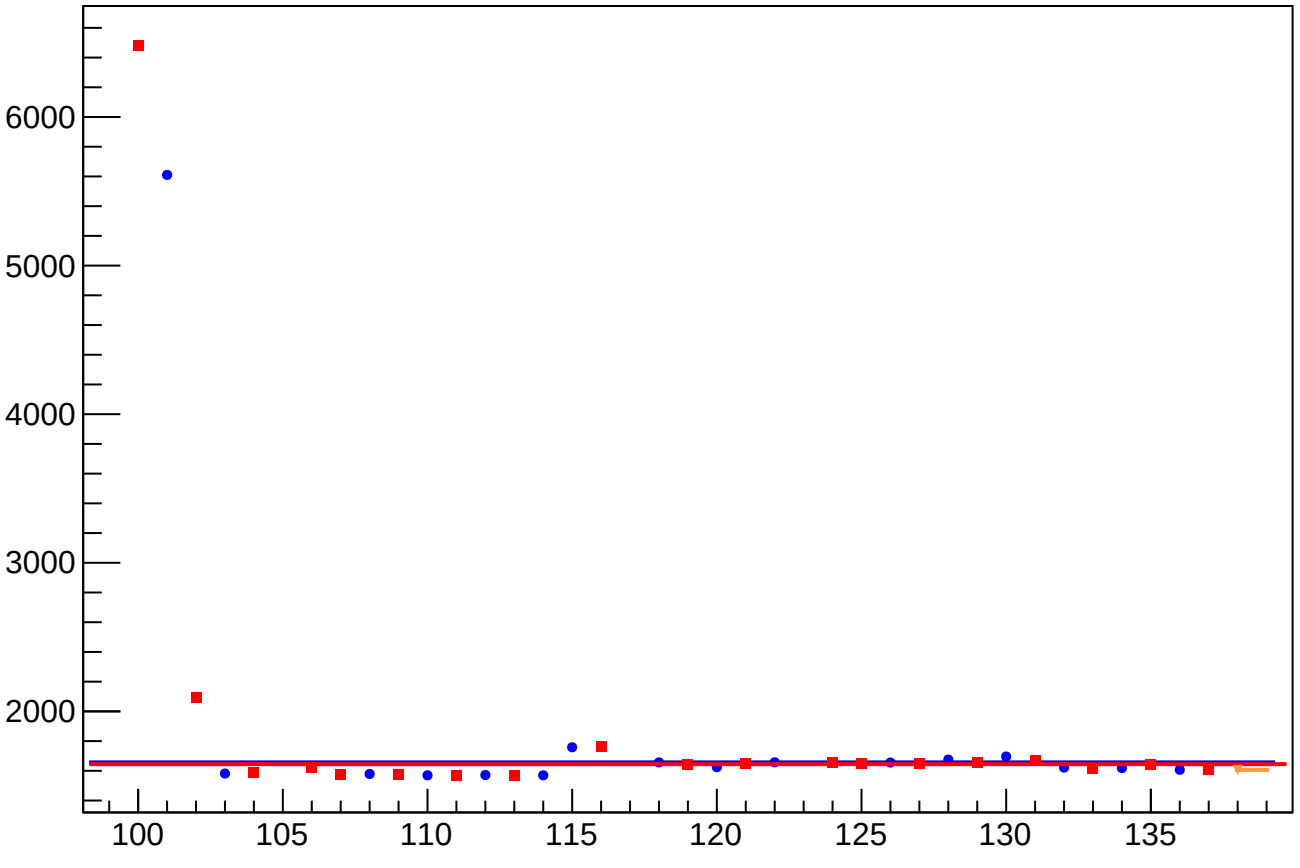
Left: 748.473+/-1818.231 χ^2/NDF: 0.0/0

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2449.397+/-630.235 χ^2/NDF:13.8/15

Out: 2161.690+/-578.029 χ^2/NDF:12.7/19

All: 2293.136+/-425.991 χ^2/NDF: 26.7/35



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1606.222+/-1.286 χ^2/NDF:0.0/0

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1606.222+/-1.286 χ^2/NDF: 0.0/0

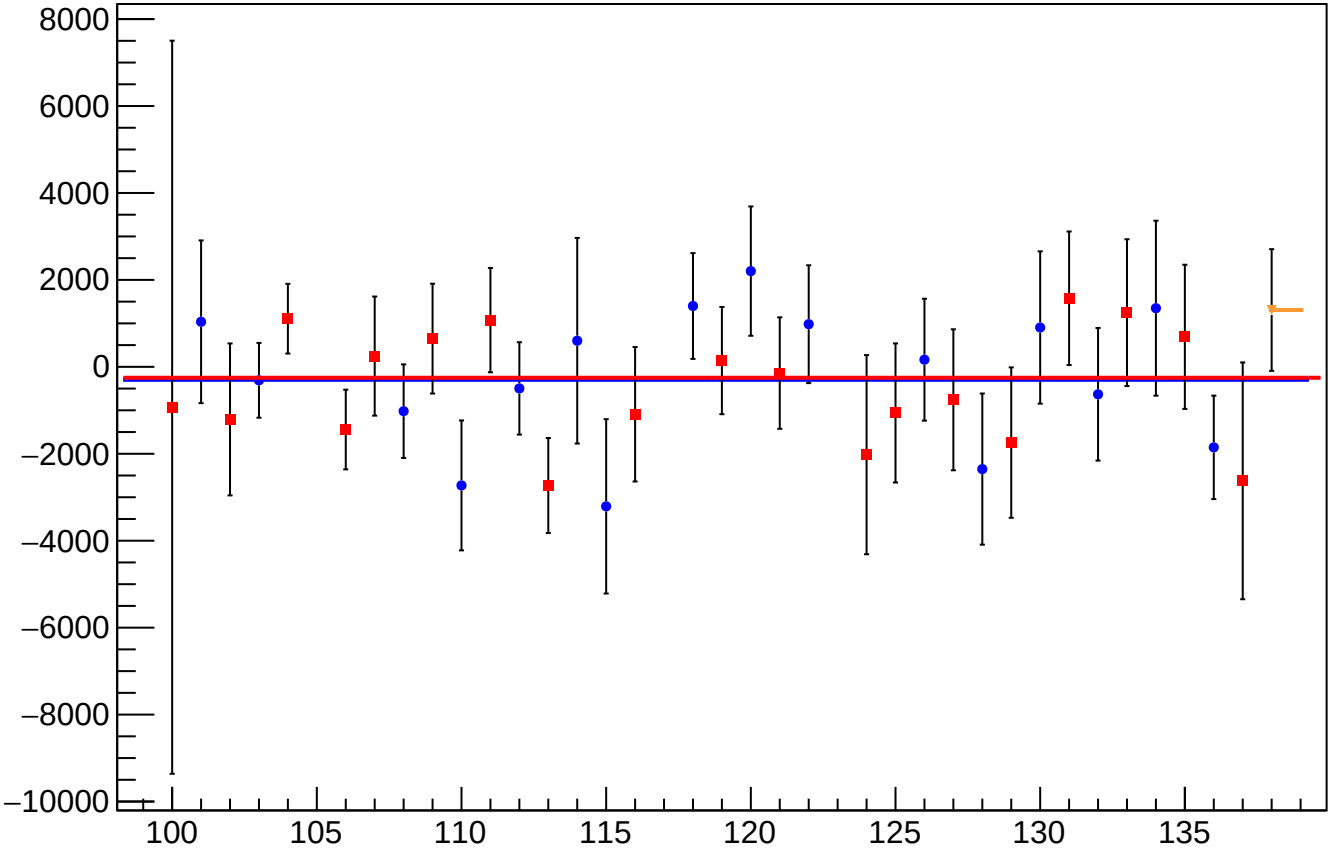
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1656.683+/-0.446 χ^2/NDF:666225.7/15

Out: 1640.841+/-0.409 χ^2/NDF:137289.6/19

All: 1648.079+/-0.301 χ^2/NDF: 804201.8/35

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1307.595+/-1399.765 χ^2/NDF:0.0/0

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1307.595+/-1399.765 χ^2/NDF: 0.0/0

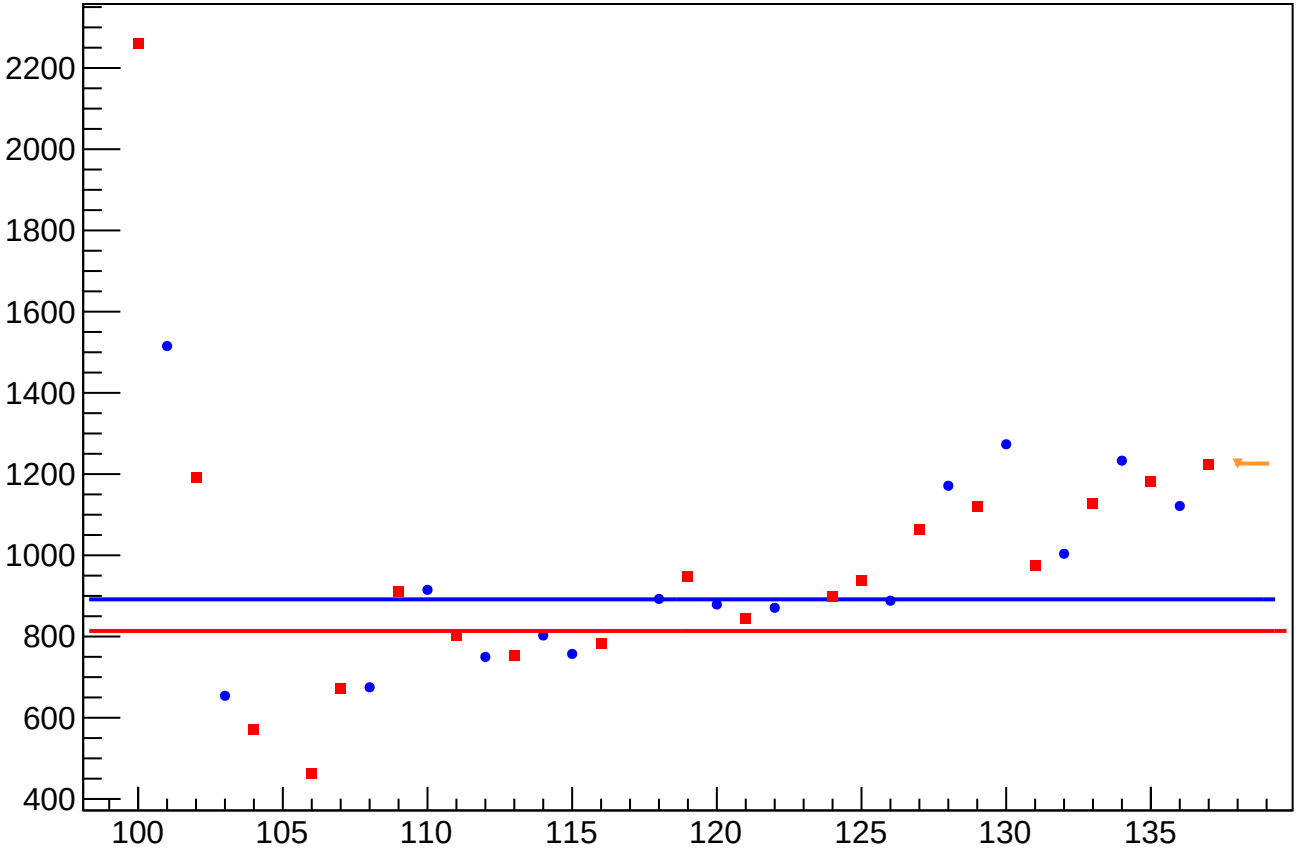
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -297.794+/-343.391 χ^2/NDF:15.9/15

Out: -175.753+/-308.010 χ^2/NDF:18.4/19

All: -230.164+/-229.288 χ^2/NDF: 34.5/35

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: 1225.986+/-0.990 χ^2/NDF:0.0/0

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1225.986+/-0.990 χ^2/NDF: 0.0/0

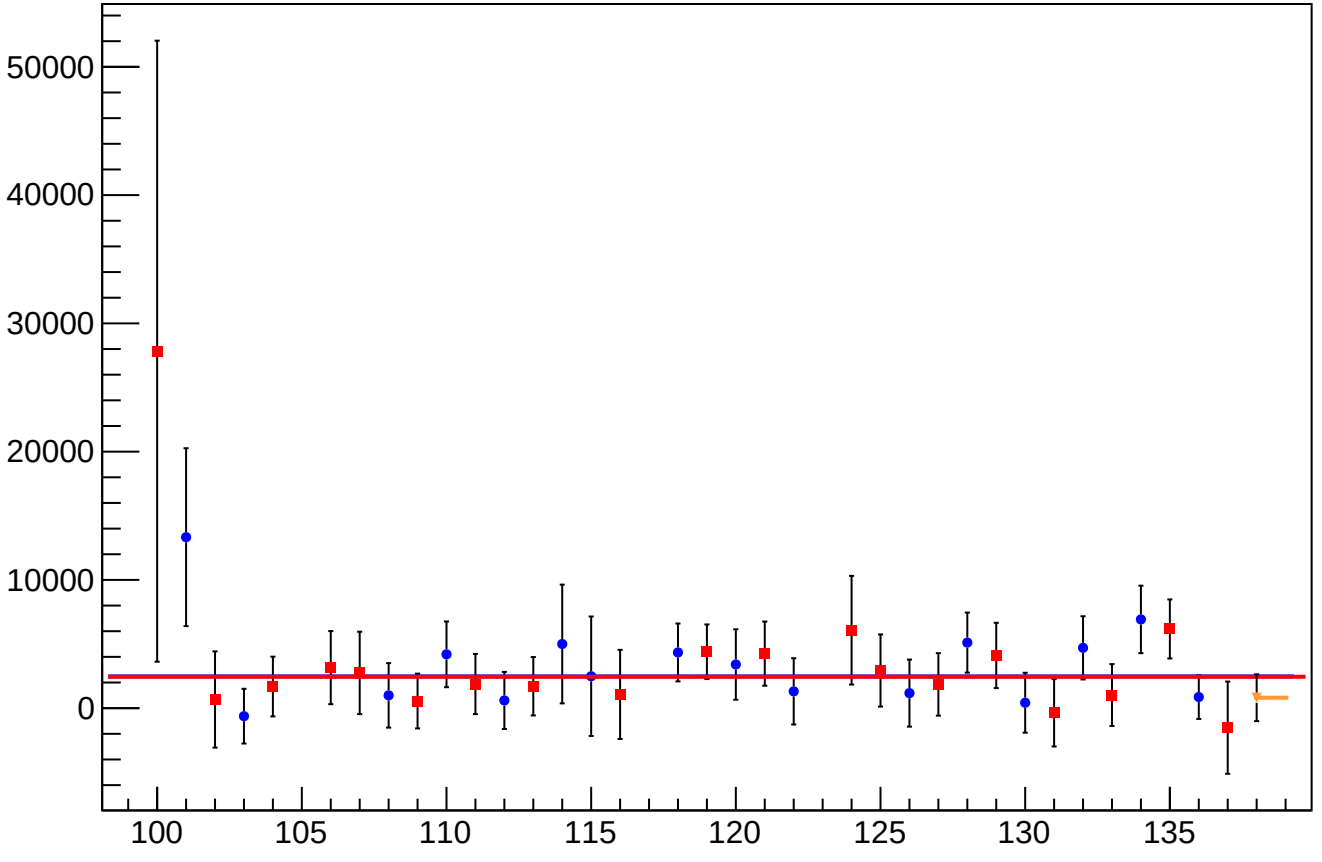
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 891.533+/-0.243 χ^2/NDF:793657.2/15

Out: 833.765+/-0.218 χ^2/NDF:1218011.7/19

All: 859.520+/-0.162 χ^2/NDF: 2043035.2/35

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 814.101+/-1824.120 χ^2/NDF:0.0/0

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

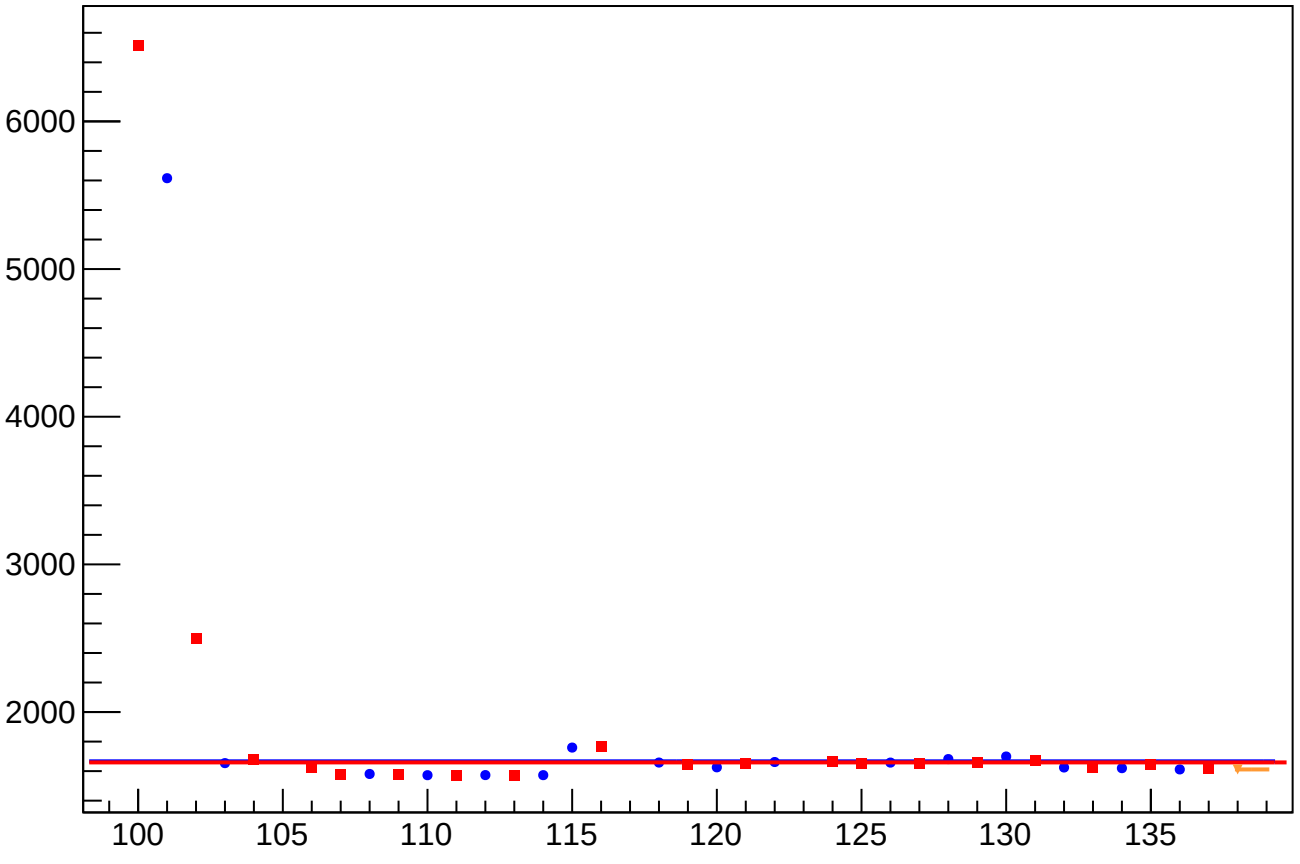
Left: 814.101+/-1824.120 χ^2/NDF: 0.0/0

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2475.229+/-633.866 χ^2/NDF:14.2/15

Out: 2280.943+/-584.923 χ^2/NDF:11.3/19

All: 2370.296+/-429.866 χ^2/NDF: 25.5/35



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1611.419+/-0.000 χ^2/NDF:0.0/0

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

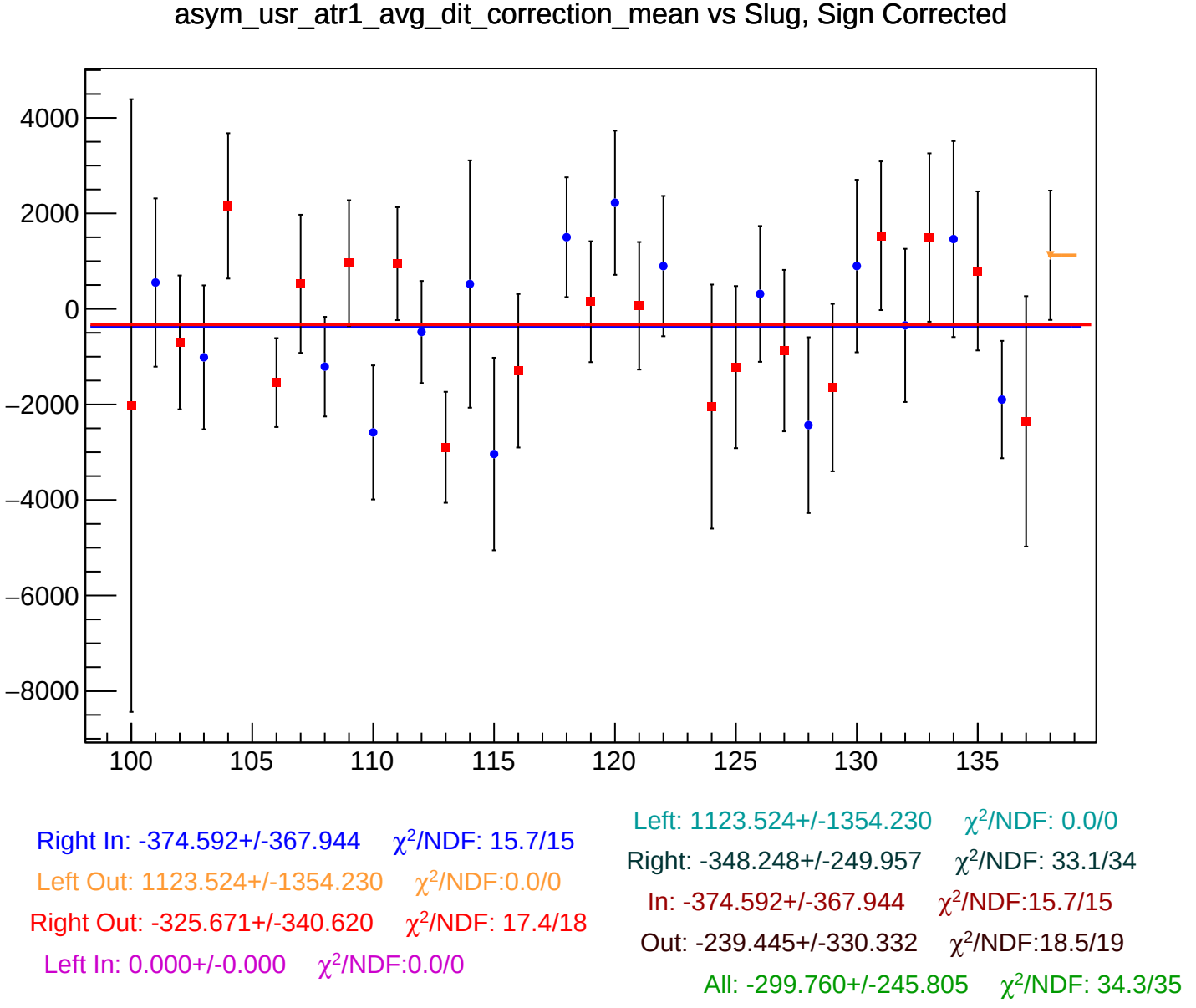
Left: 1611.419+/-1.290 χ^2/NDF: 0.0/0

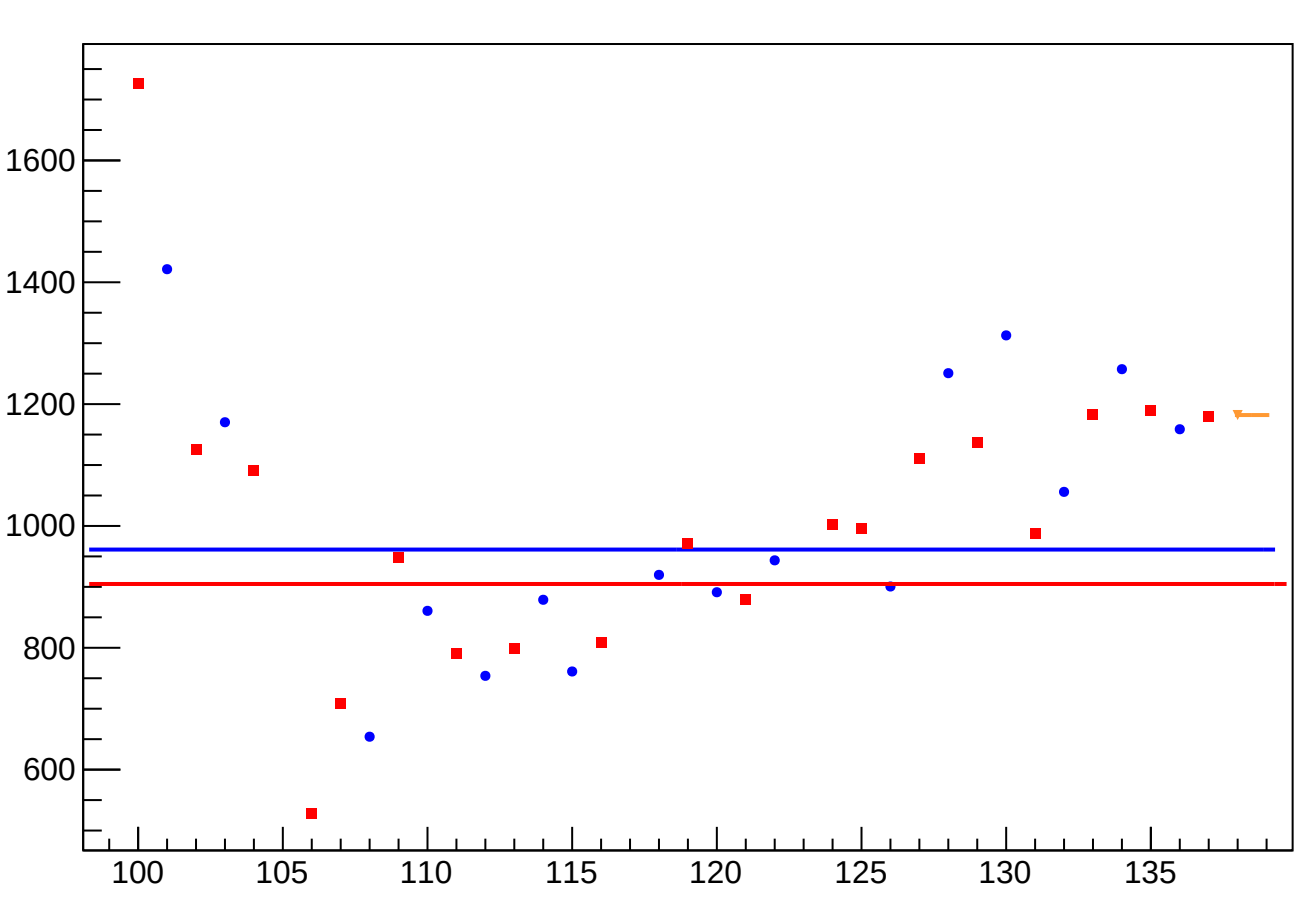
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1666.400+/-0.448 χ^2/NDF:662914.5/15

Out: 1654.112+/-0.414 χ^2/NDF:194444.8/19

All: 1659.763+/-0.304 χ^2/NDF: 857765.2/35


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: 1123.524+/-1354.230 χ²/NDF:0.0/0
Right Out: -325.671+/-340.620 χ²/NDF: 17.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1123.524+/-1354.230 χ²/NDF: 0.0/0
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: -374.592+/-367.944 χ²/NDF:15.7/15
Out: -239.445+/-330.332 χ²/NDF:18.5/19
All: -299.760+/-245.805 χ²/NDF: 34.3/35



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1182.059+/-0.958 χ^2/NDF:0.0/0

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

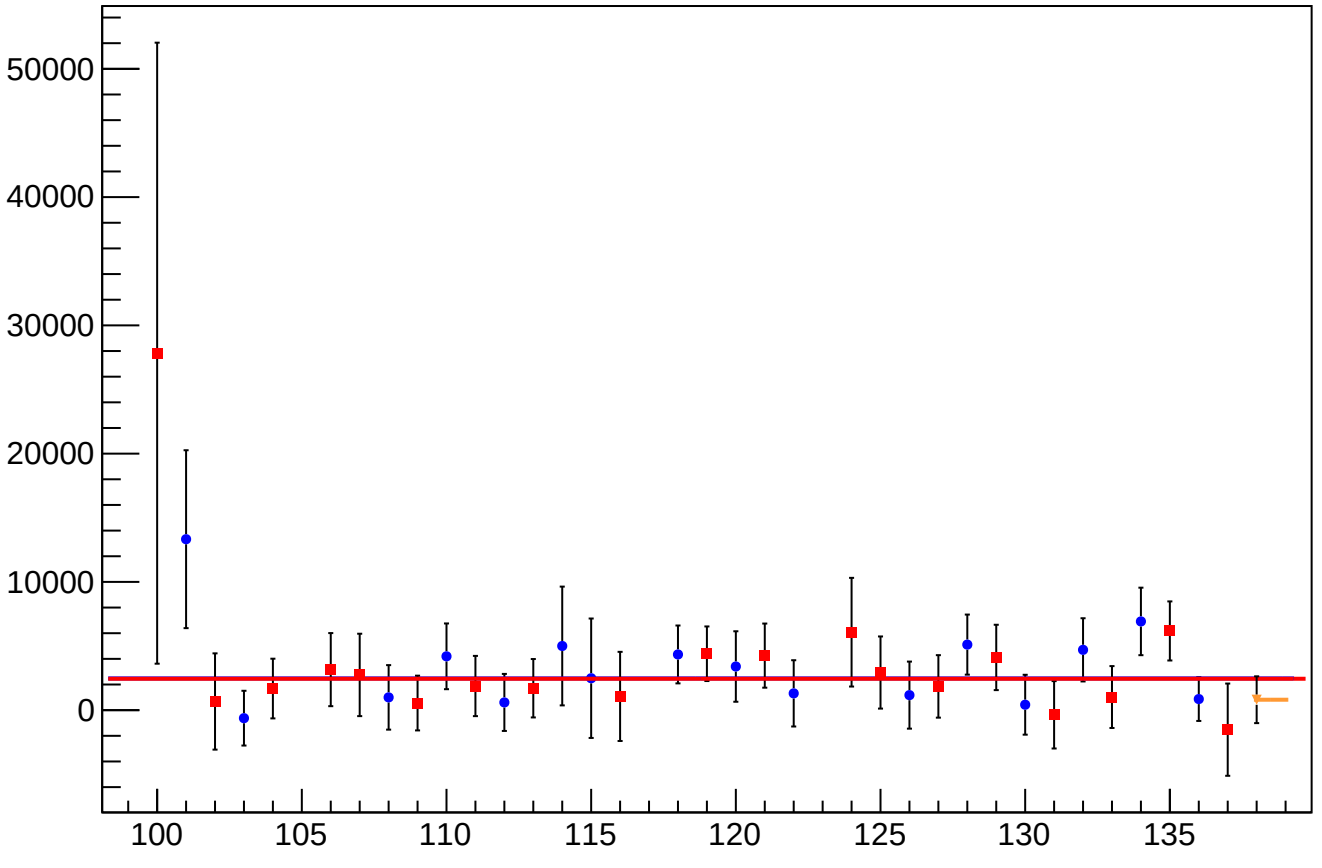
Left: 1182.059+/-0.958 χ^2/NDF: 0.0/0

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 961.243+/-0.260 χ^2/NDF:691875.4/15

Out: 921.237+/-0.234 χ^2/NDF:815366.3/19

All: 939.091+/-0.174 χ^2/NDF: 1520333.2/35



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 814.103+/-1824.120 χ^2/NDF:0.0/0

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

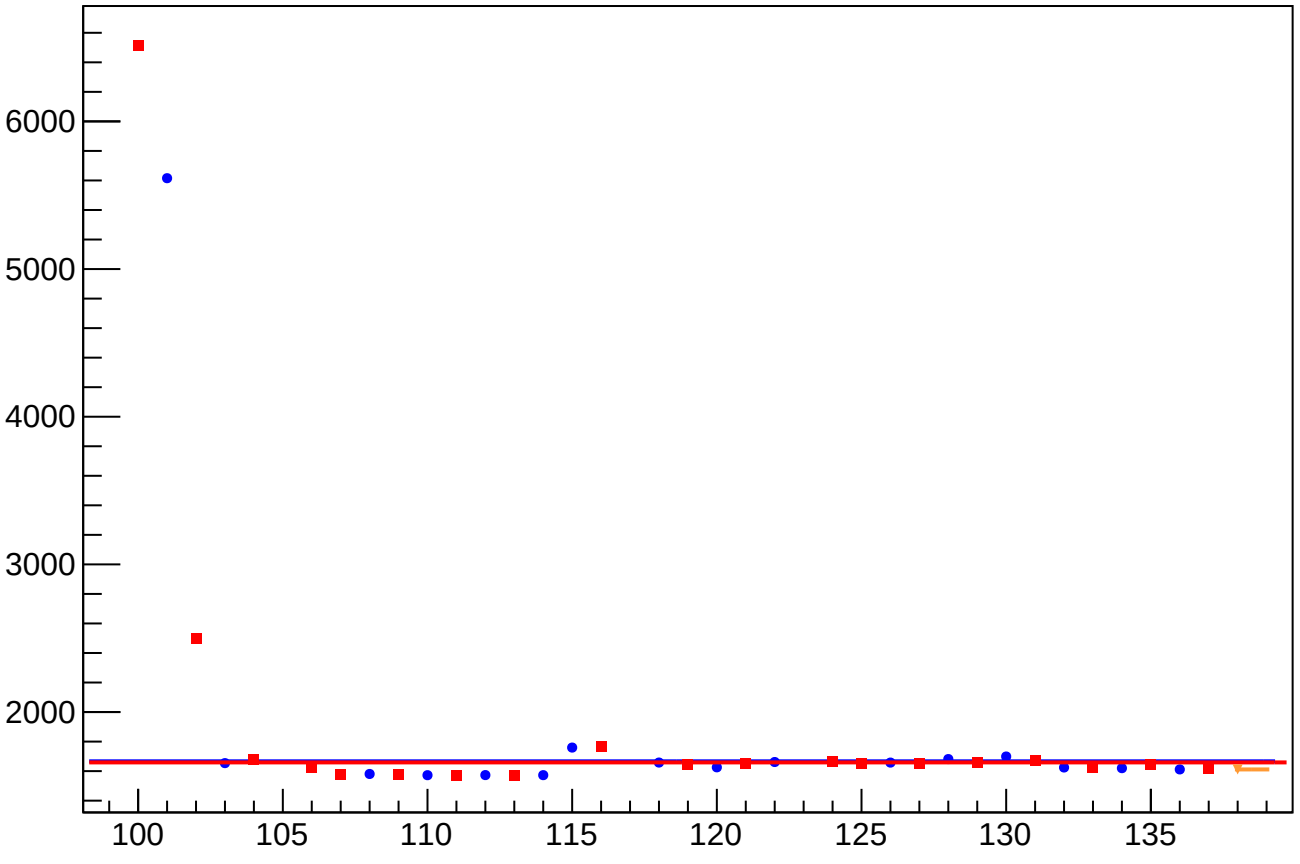
Left: 814.103+/-1824.120 χ^2/NDF: 0.0/0

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2475.228+/-633.866 χ^2/NDF:14.2/15

Out: 2280.943+/-584.923 χ^2/NDF:11.3/19

All: 2370.296+/-429.865 χ^2/NDF: 25.5/35



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1611.419+/-1.290 χ^2/NDF:0.0/0

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

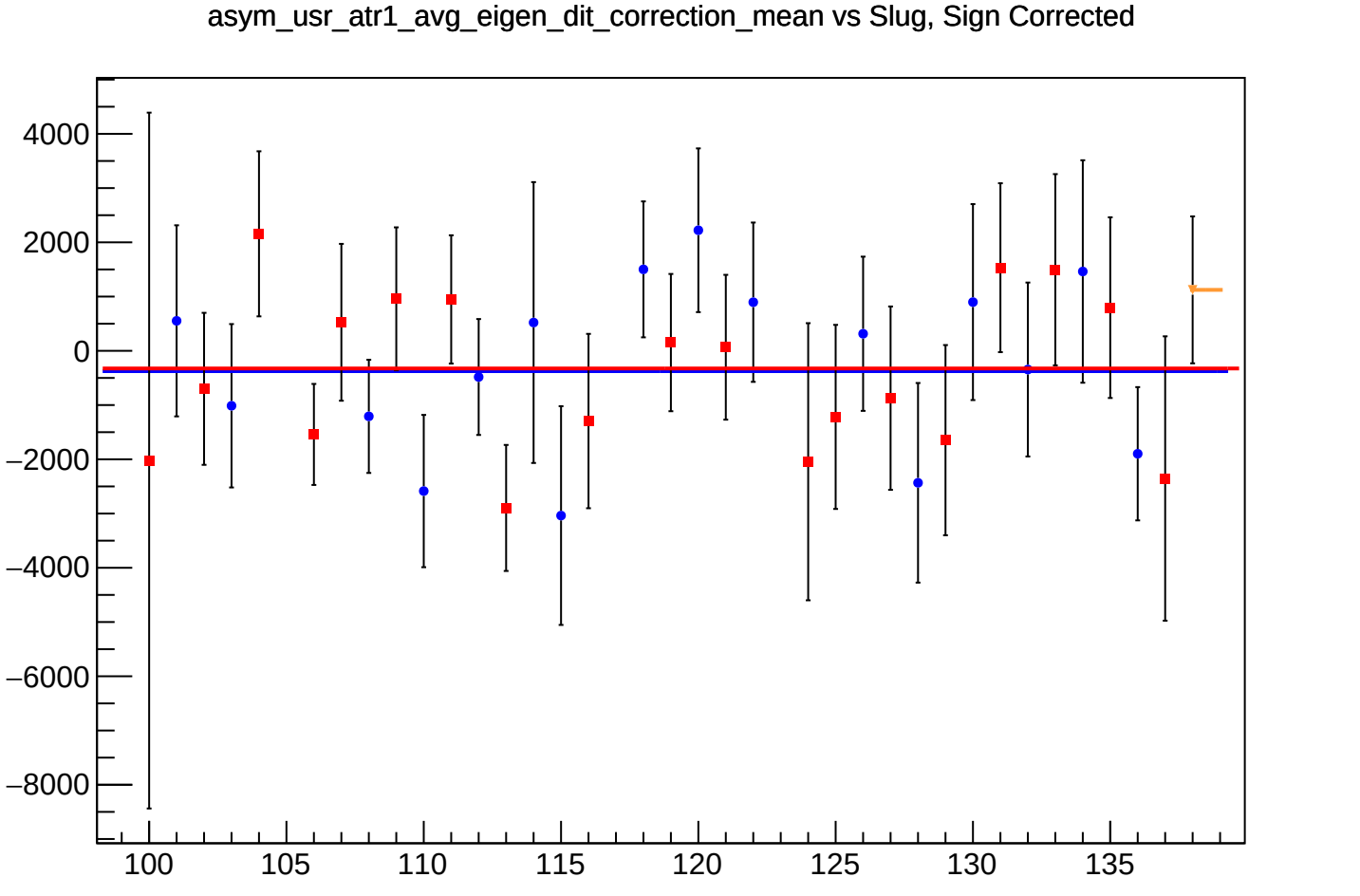
Left: 1611.419+/-1.290 χ^2/NDF: 0.0/0

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1666.400+/-0.448 χ^2/NDF:662914.5/15

Out: 1654.112+/-0.414 χ^2/NDF:194444.6/19

All: 1659.763+/-0.304 χ^2/NDF: 857765.1/35



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 1123.526+/-1354.233 χ^2/NDF:0.0/0

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

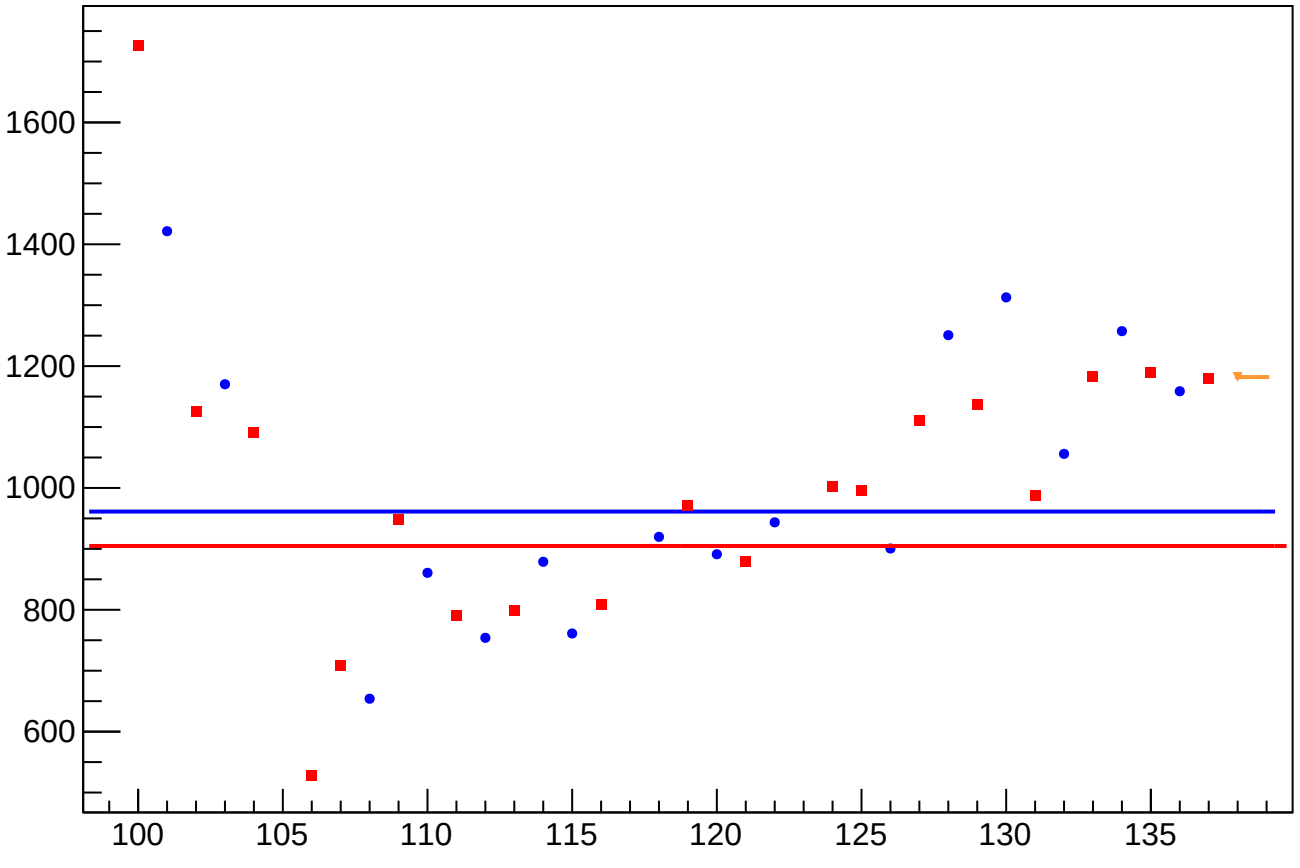
Left: 1123.526+/-1354.233 χ^2/NDF: 0.0/0

Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -374.590+/-367.943 χ^2/NDF:15.7/15

Out: -239.444+/-330.331 χ^2/NDF:18.5/19

All: -299.759+/-245.804 χ^2/NDF: 34.3/35



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1182.062+/-0.958 χ^2/NDF:0.0/0

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1182.062+/-0.958 χ^2/NDF: 0.0/0

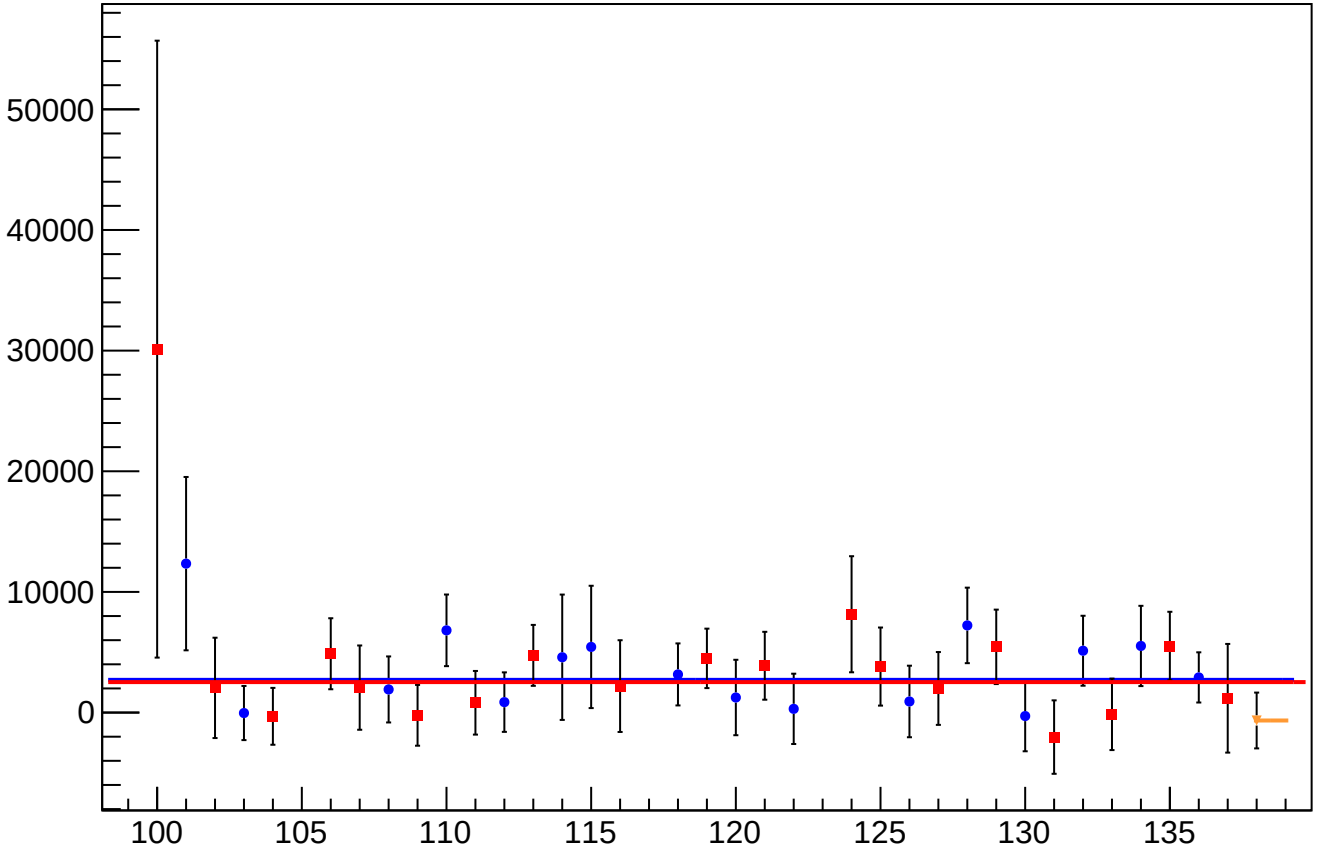
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 961.239+/-0.260 χ^2/NDF:691883.4/15

Out: 921.235+/-0.234 χ^2/NDF:815366.4/19

All: 939.088+/-0.174 χ^2/NDF: 1520340.4/35

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: -657.354+/-2313.257 χ^2/NDF:0.0/0

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -657.354+/-2313.257 χ^2/NDF: 0.0/0

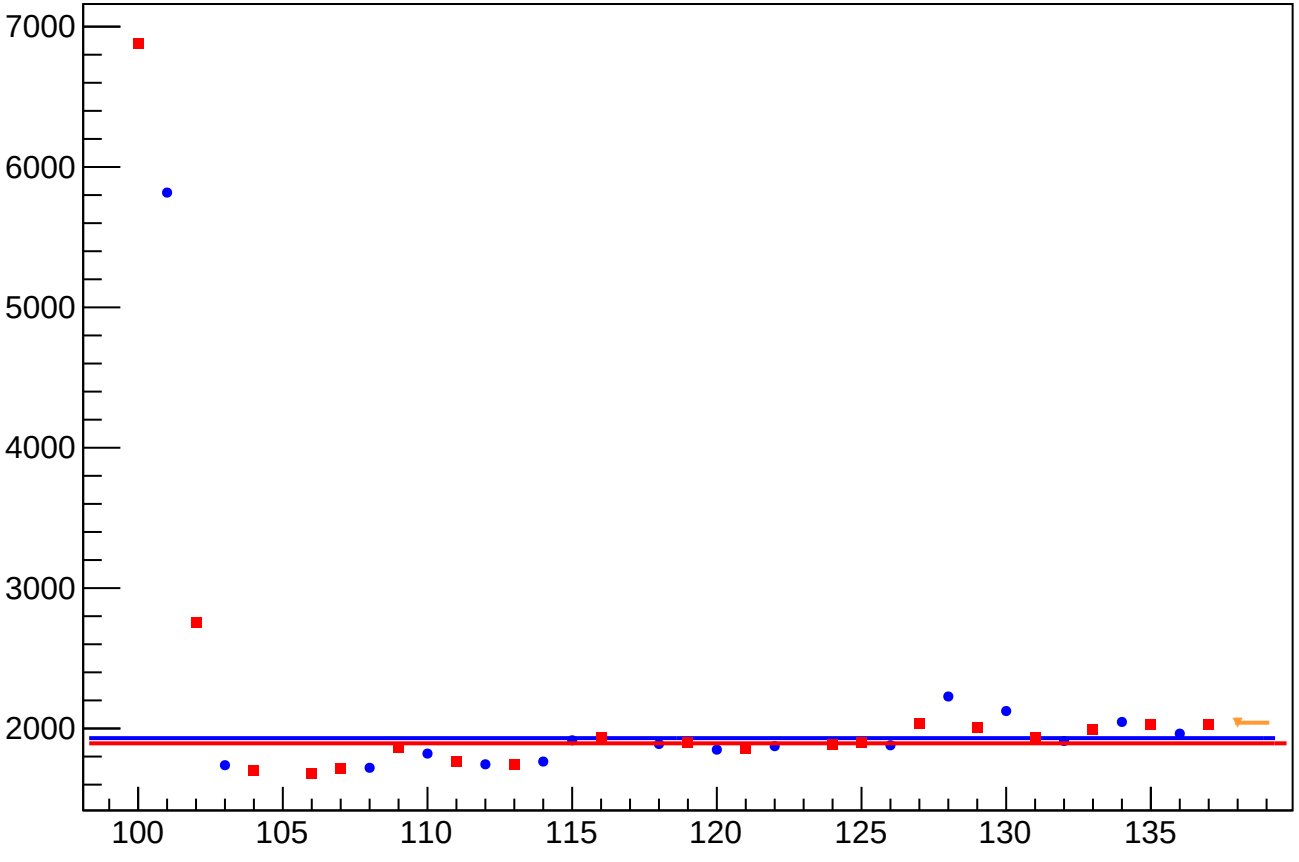
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2711.394+/-735.088 χ^2/NDF:12.1/15

Out: 2254.011+/-675.645 χ^2/NDF:15.0/19

All: 2463.464+/-497.442 χ^2/NDF: 27.3/35

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 2041.293+/-1.636 χ^2/NDF:0.0/0

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

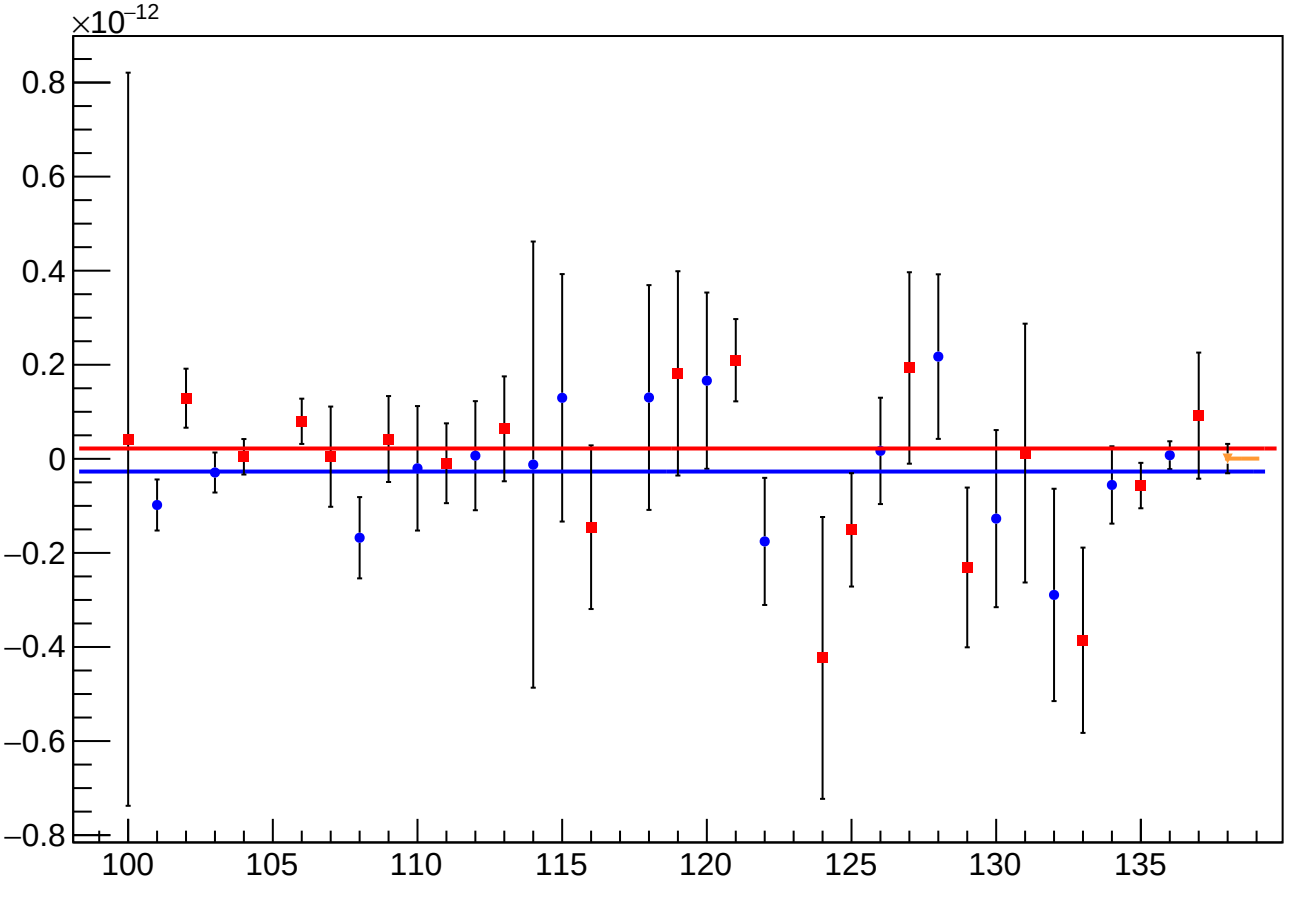
Left: 2041.293+/-1.636 χ^2/NDF: 0.0/0

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1931.250+/-0.520 χ^2/NDF:661227.1/15

Out: 1906.884+/-0.478 χ^2/NDF:227923.0/19

All: 1918.042+/-0.352 χ^2/NDF: 890341.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

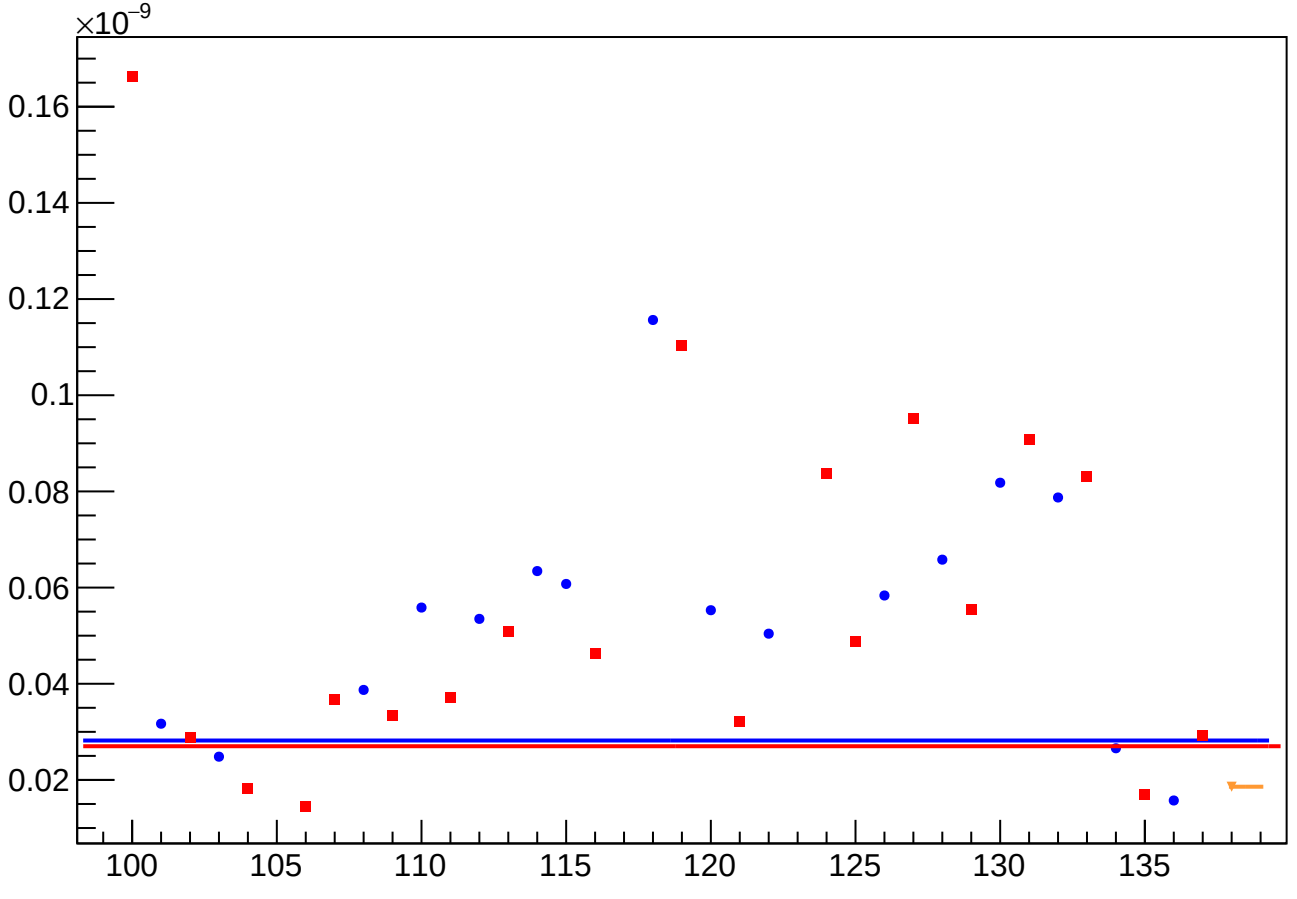
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:12.7/15

Out: 0.000+/-0.000 χ^2/NDF:25.7/19

All: -0.000+/-0.000 χ^2/NDF: 41.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

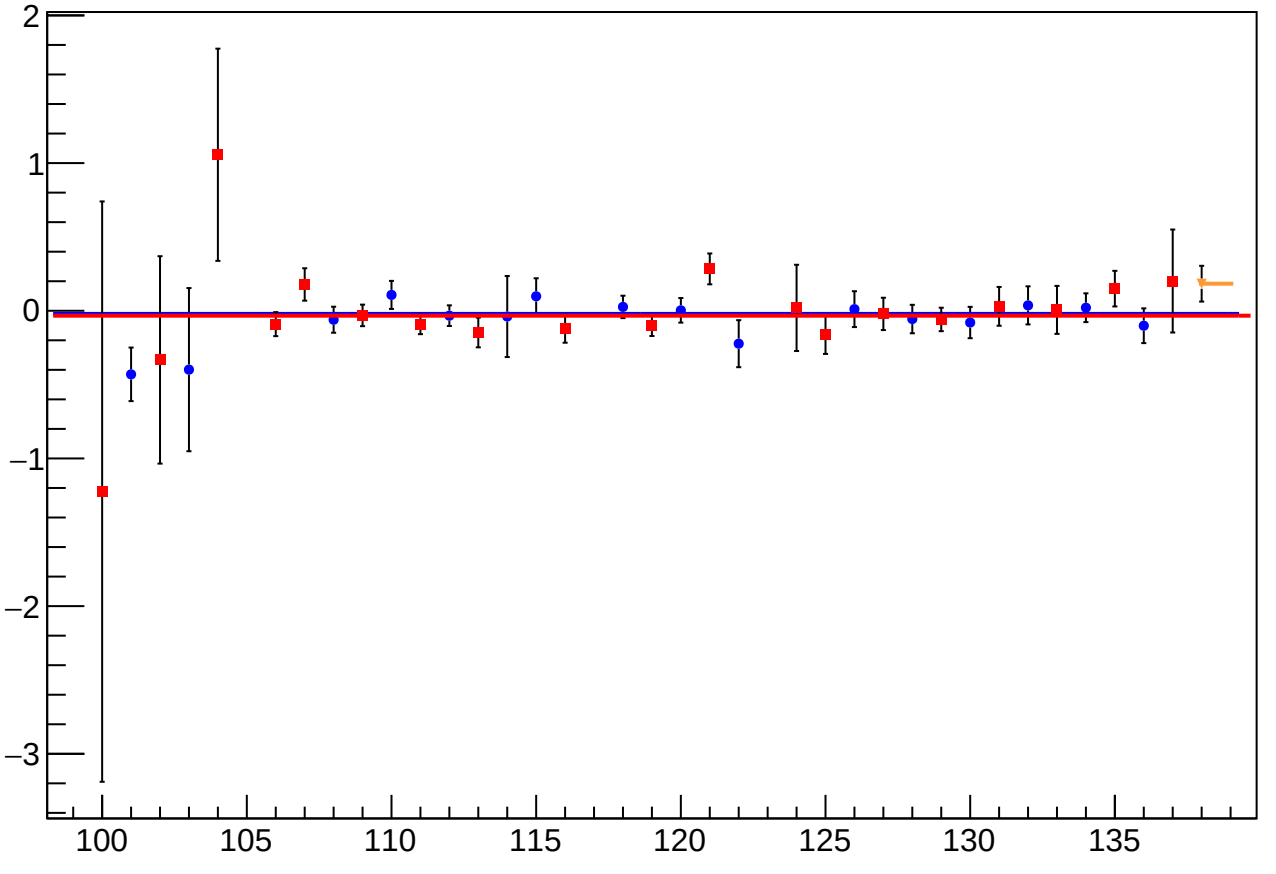
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:1490571.4/15

Out: 0.000+/-0.000 χ^2/NDF:1661235.2/19

All: 0.000+/-0.000 χ^2/NDF: 3190831.1/35



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.183+/-0.121 χ^2/NDF:0.0/0

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

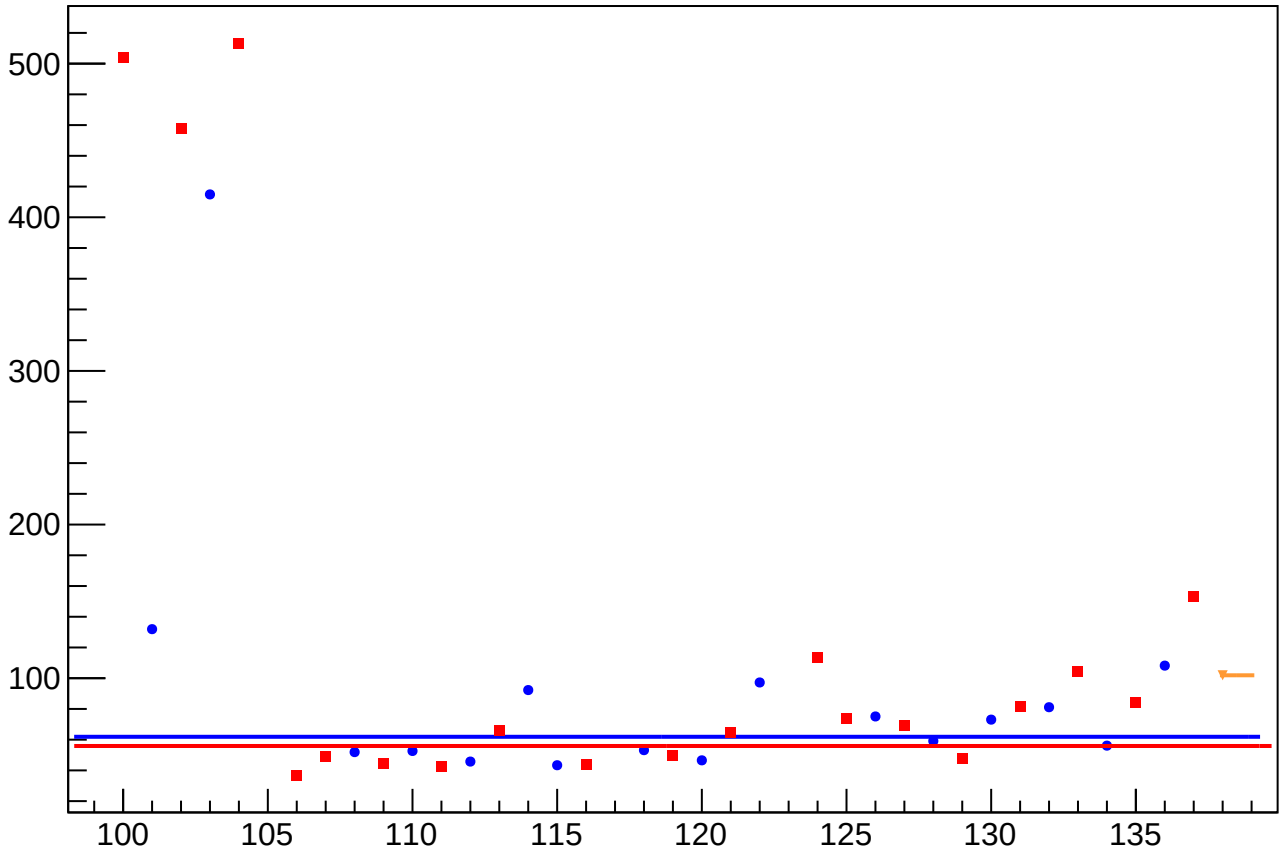
Left: 0.183+/-0.121 χ^2/NDF: 0.0/0

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.021+/-0.027 χ^2/NDF:12.0/15

Out: -0.025+/-0.024 χ^2/NDF:27.4/19

All: -0.023+/-0.018 χ^2/NDF: 39.5/35



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 101.901+/-0.086 χ^2/NDF:0.0/0

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 101.901+/-0.086 χ^2/NDF: 0.0/0

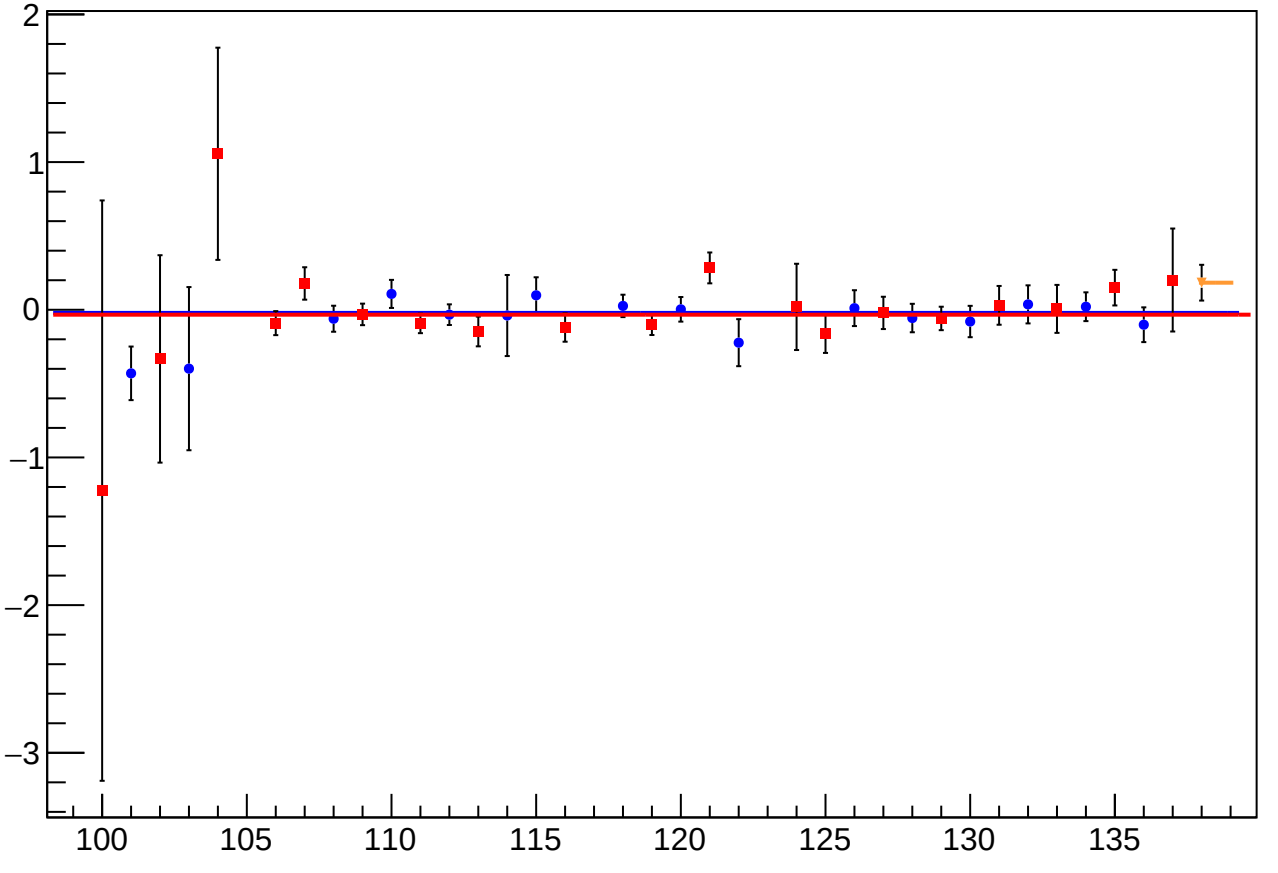
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 61.876+/-0.019 χ^2/NDF:1937953.9/15

Out: 57.709+/-0.017 χ^2/NDF:2868692.7/19

All: 59.590+/-0.013 χ^2/NDF: 4833655.2/35

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.183+/-0.121 χ^2/NDF:0.0/0

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

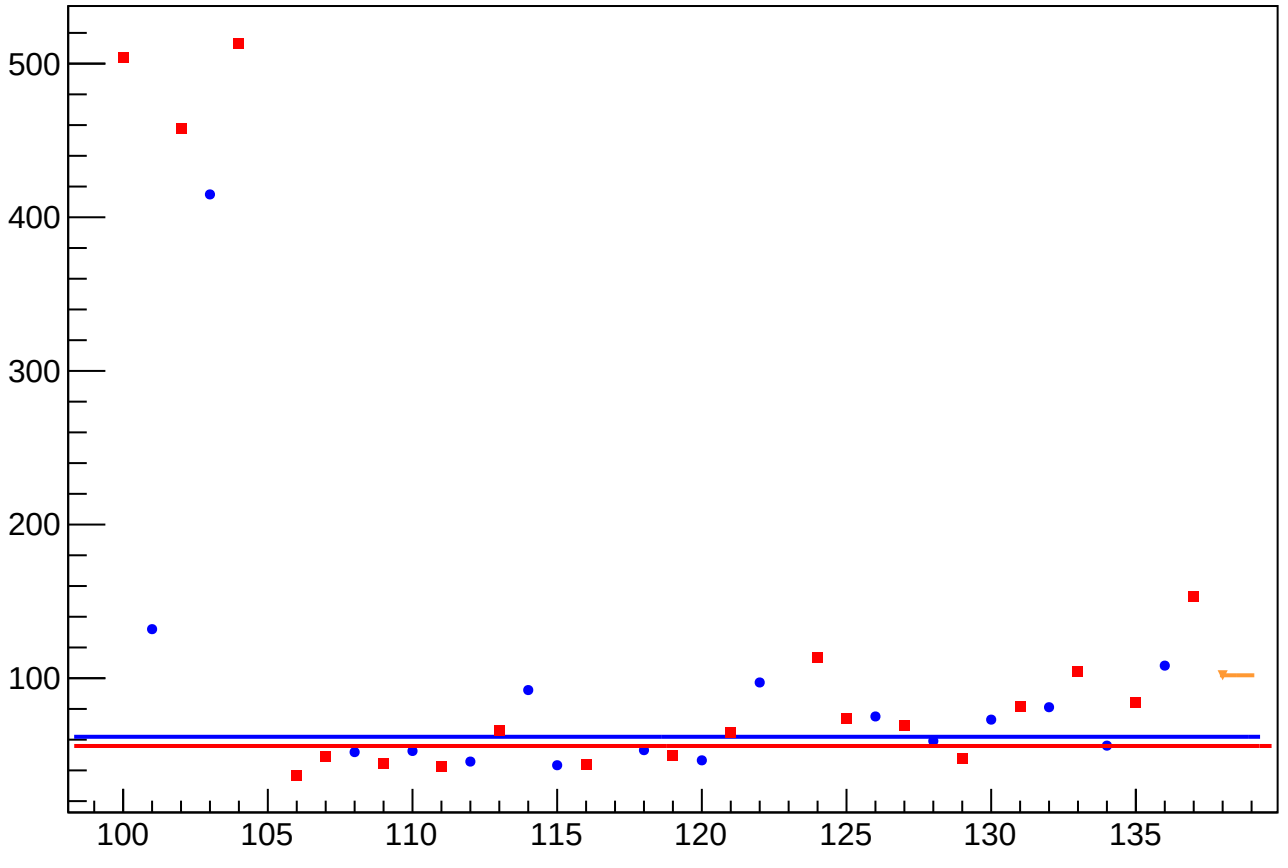
Left: 0.183+/-0.121 χ^2/NDF: 0.0/0

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.021+/-0.027 χ^2/NDF:12.0/15

Out: -0.025+/-0.024 χ^2/NDF:27.4/19

All: -0.023+/-0.018 χ^2/NDF: 39.5/35



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 101.901+/-0.086 χ^2/NDF:0.0/0

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

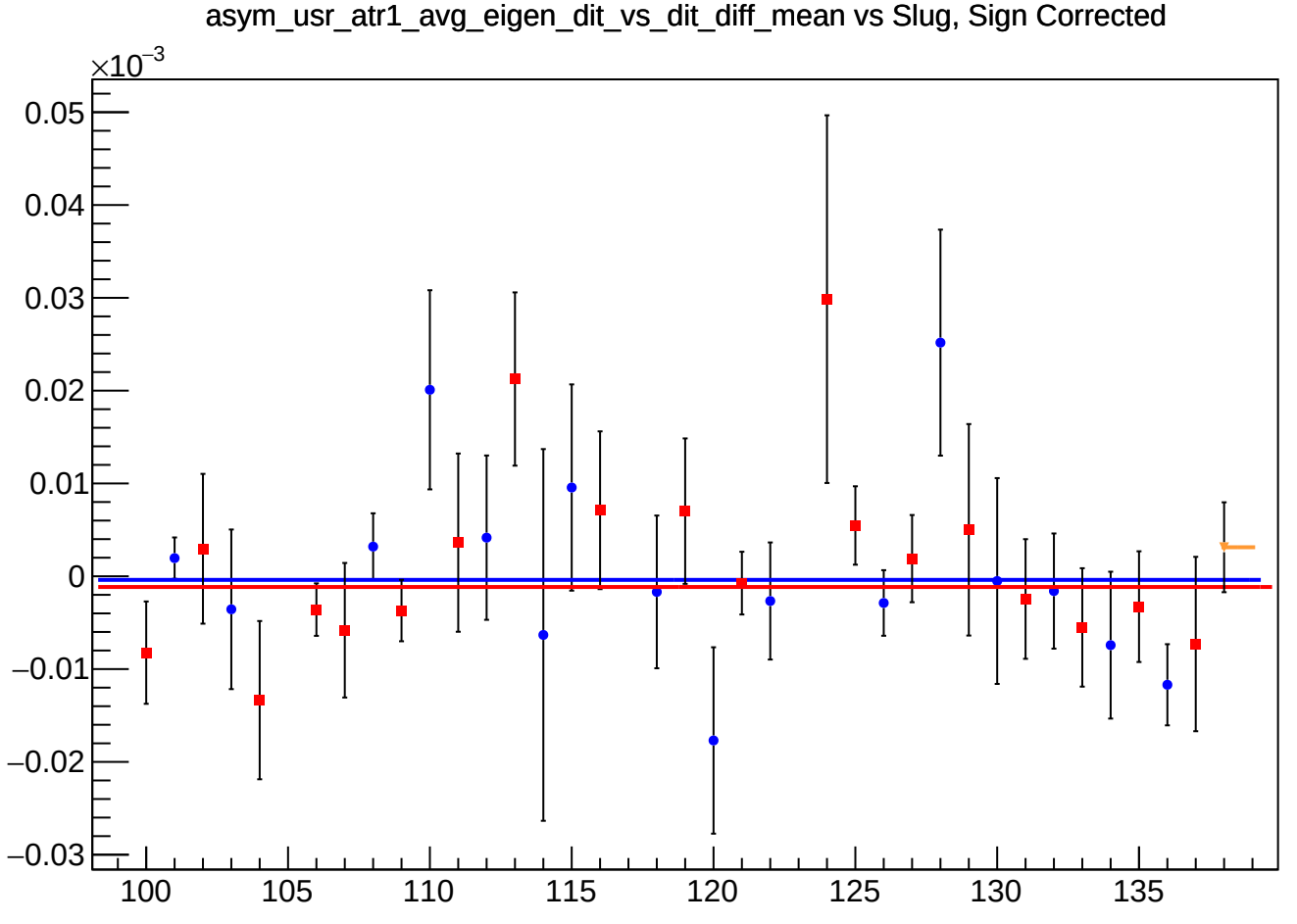
Left: 101.901+/-0.086 χ^2/NDF: 0.0/0

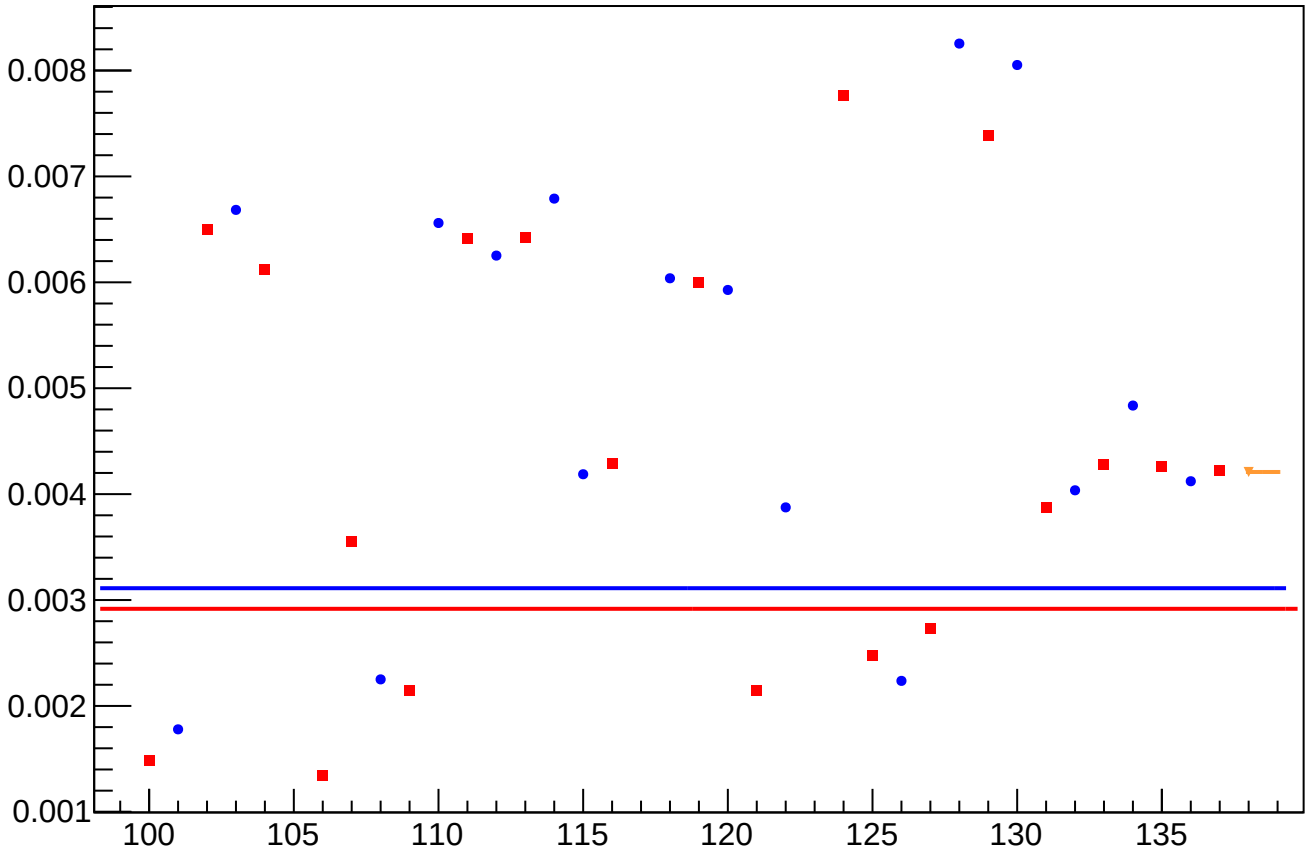
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 61.876+/-0.019 χ^2/NDF:1937953.9/15

Out: 57.709+/-0.017 χ^2/NDF:2868692.7/19

All: 59.590+/-0.013 χ^2/NDF: 4833655.2/35


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
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
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: 0.0/0
Right: -0.000+/-0.000 χ²/NDF: 43.2/34
In: -0.000+/-0.000 χ²/NDF:22.6/15
Out: -0.000+/-0.000 χ²/NDF:21.2/19
All: -0.000+/-0.000 χ²/NDF: 43.8/35



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

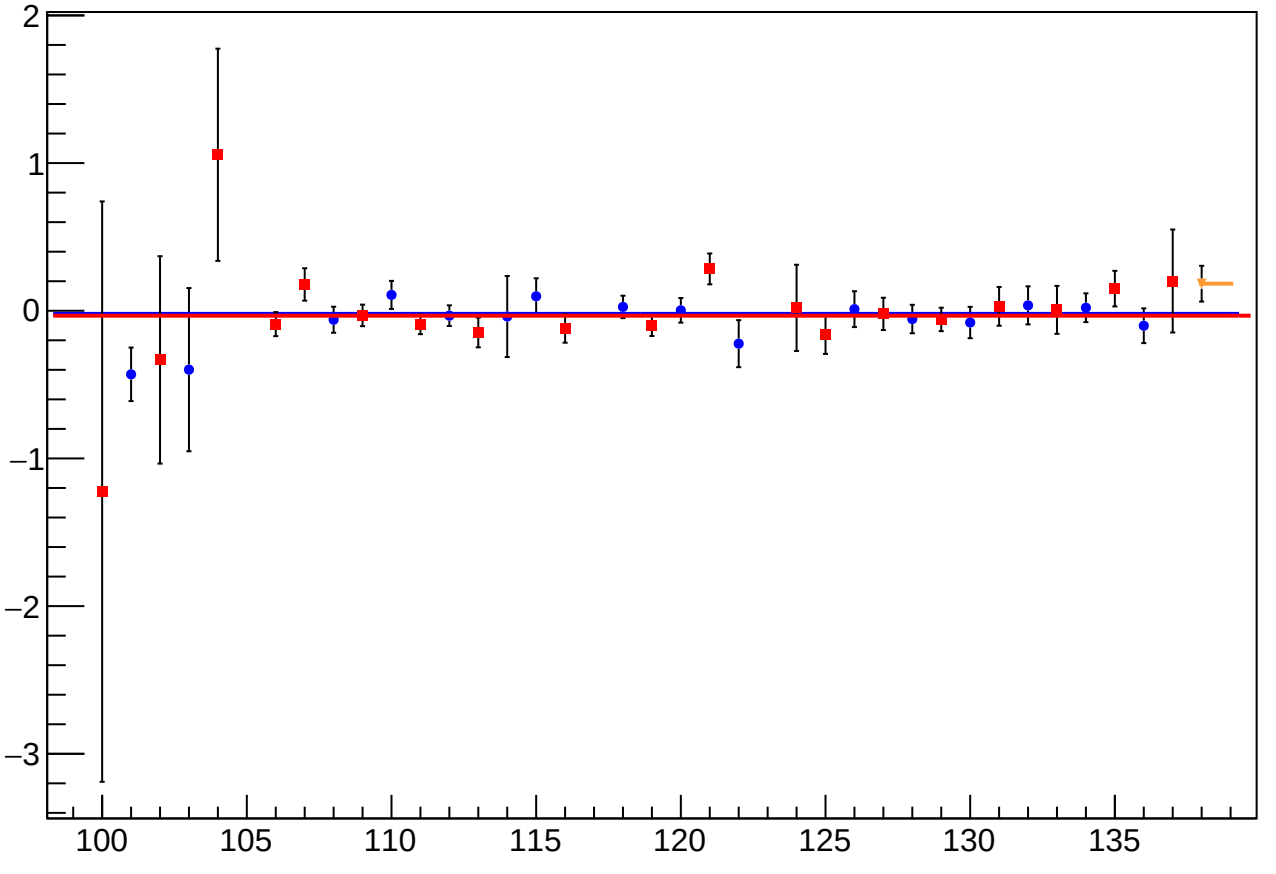
Left: 0.004+/-0.000 χ^2/NDF: 0.0/0

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.003+/-0.000 χ^2/NDF:3283915.1/15

Out: 0.003+/-0.000 χ^2/NDF:3428907.9/19

All: 0.003+/-0.000 χ^2/NDF: 6720773.8/35



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.183+/-0.121 χ^2/NDF:0.0/0

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

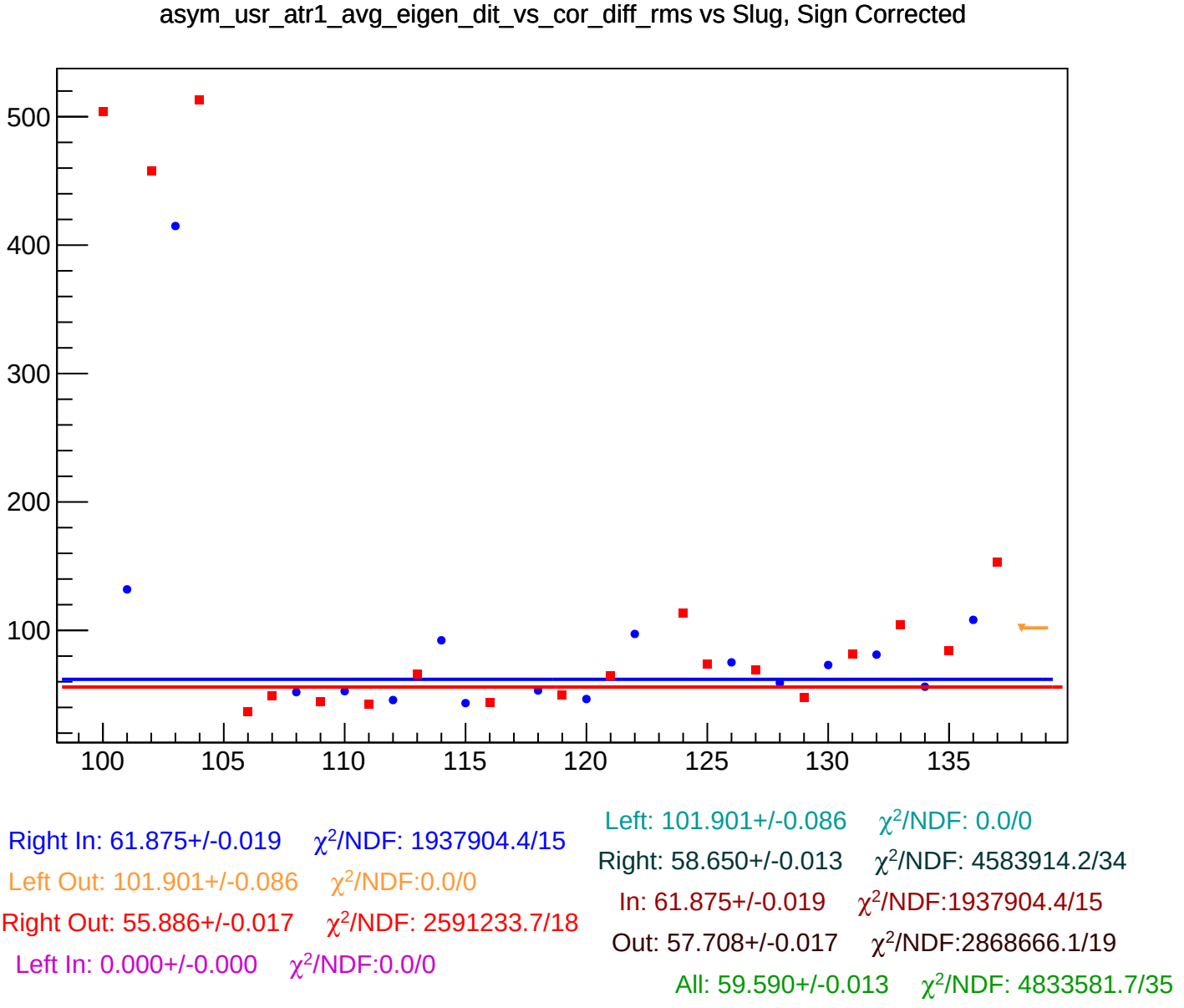
Left: 0.183+/-0.121 χ^2/NDF: 0.0/0

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

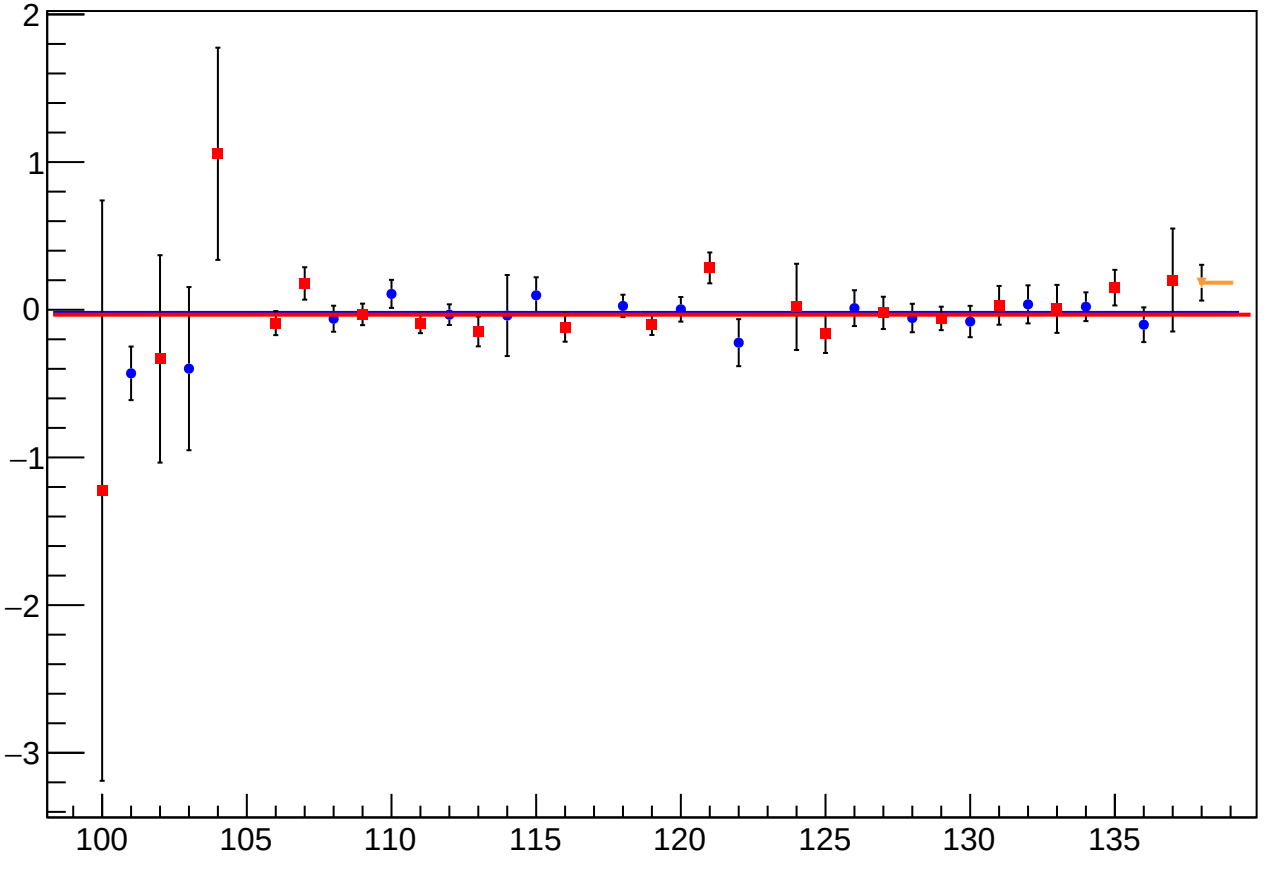
In: -0.021+/-0.027 χ^2/NDF:12.0/15

Out: -0.025+/-0.024 χ^2/NDF:27.4/19

All: -0.023+/-0.018 χ^2/NDF: 39.5/35


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
100
105
110
115
120
125
130
135
Right In: 61.875+/-0.019 χ²/NDF: 1937904.4/15
Left Out: 101.901+/-0.086 χ²/NDF:0.0/0
Right Out: 55.886+/-0.017 χ²/NDF: 2591233.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 101.901+/-0.086 χ²/NDF: 0.0/0
Right: 58.650+/-0.013 χ²/NDF: 4583914.2/34
In: 61.875+/-0.019 χ²/NDF:1937904.4/15
Out: 57.708+/-0.017 χ²/NDF:2868666.1/19
All: 59.590+/-0.013 χ²/NDF: 4833581.7/35

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: 0.183+/-0.121 χ^2/NDF:0.0/0

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

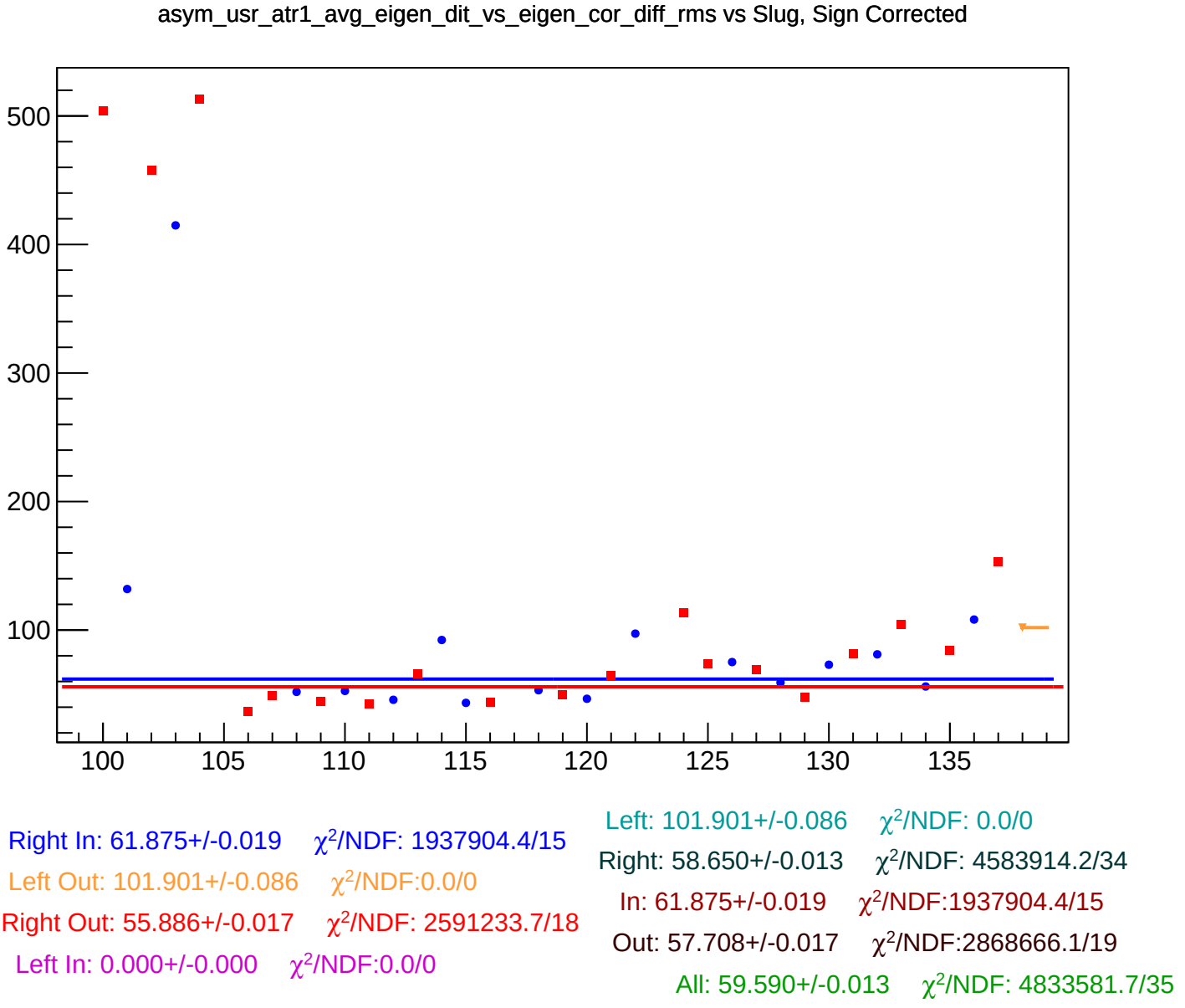
Left: 0.183+/-0.121 χ^2/NDF: 0.0/0

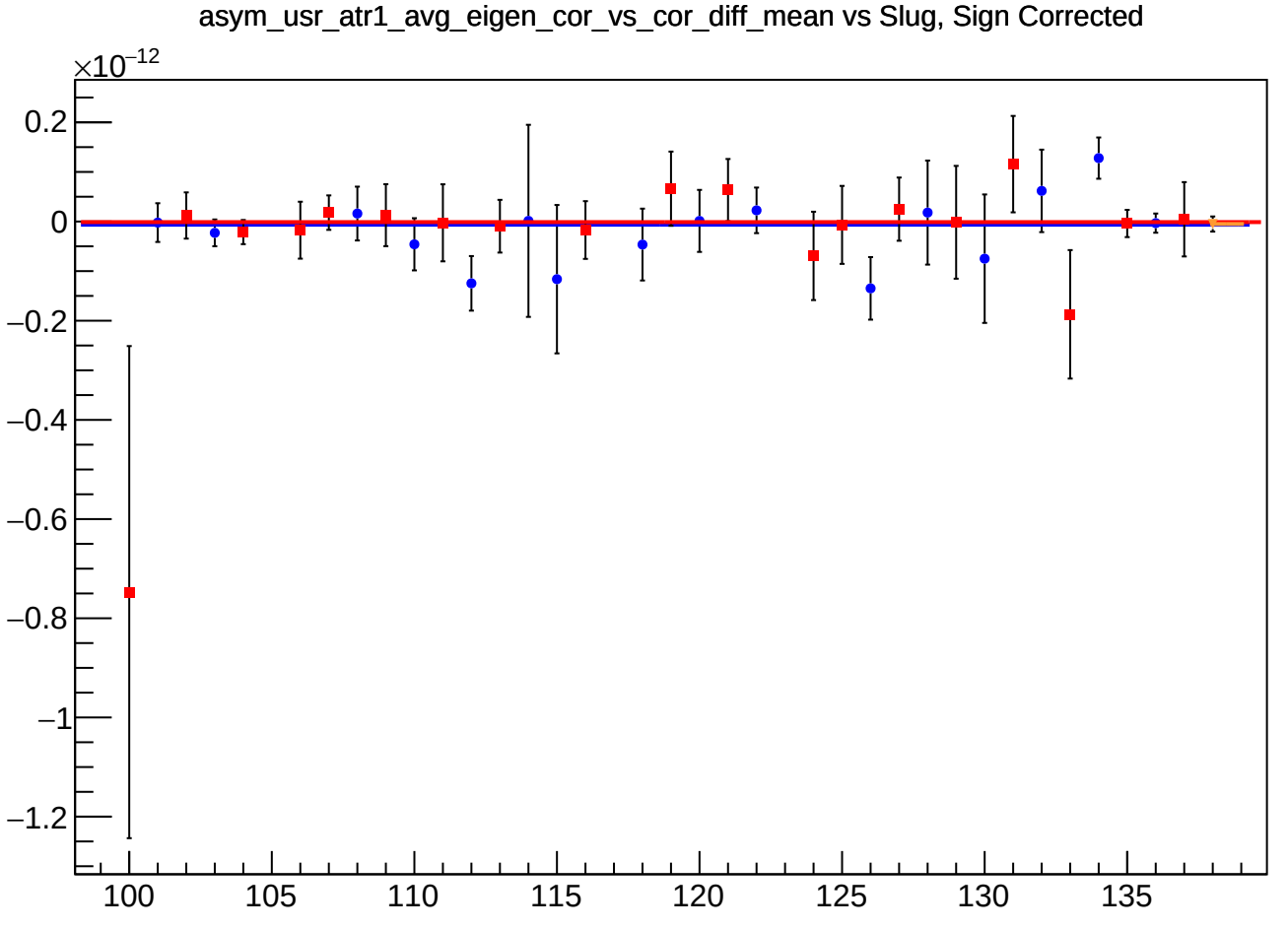
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.021+/-0.027 χ^2/NDF:12.0/15

Out: -0.025+/-0.024 χ^2/NDF:27.4/19

All: -0.023+/-0.018 χ^2/NDF: 39.5/35


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
100
105
110
115
120
125
130
135
Right In: 61.875+/-0.019 χ²/NDF: 1937904.4/15
Left Out: 101.901+/-0.086 χ²/NDF:0.0/0
Right Out: 55.886+/-0.017 χ²/NDF: 2591233.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 101.901+/-0.086 χ²/NDF: 0.0/0
Right: 58.650+/-0.013 χ²/NDF: 4583914.2/34
In: 61.875+/-0.019 χ²/NDF:1937904.4/15
Out: 57.708+/-0.017 χ²/NDF:2868666.1/19
All: 59.590+/-0.013 χ²/NDF: 4833581.7/35



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

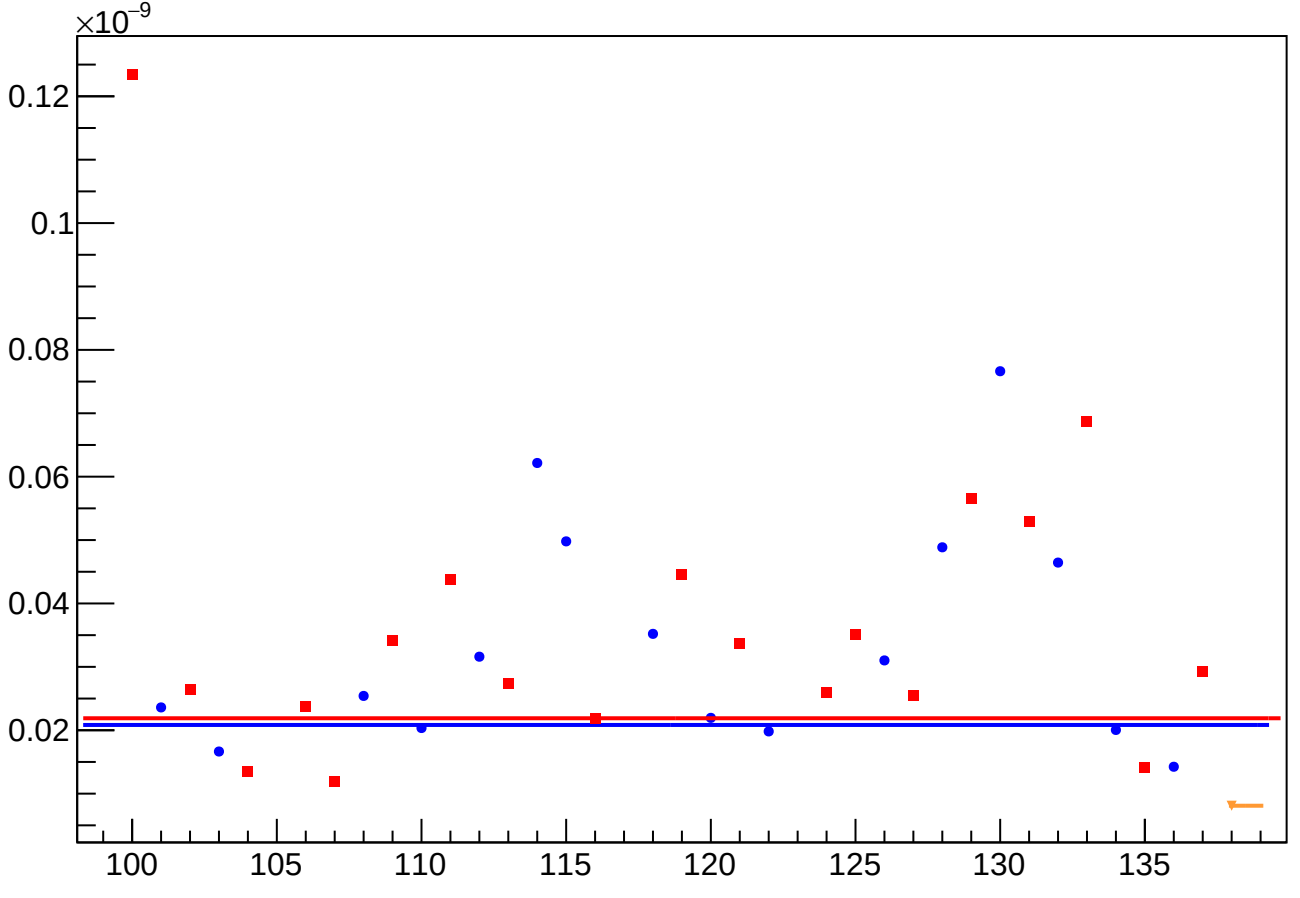
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:22.6/15

Out: -0.000+/-0.000 χ^2/NDF:9.7/19

All: -0.000+/-0.000 χ^2/NDF: 32.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

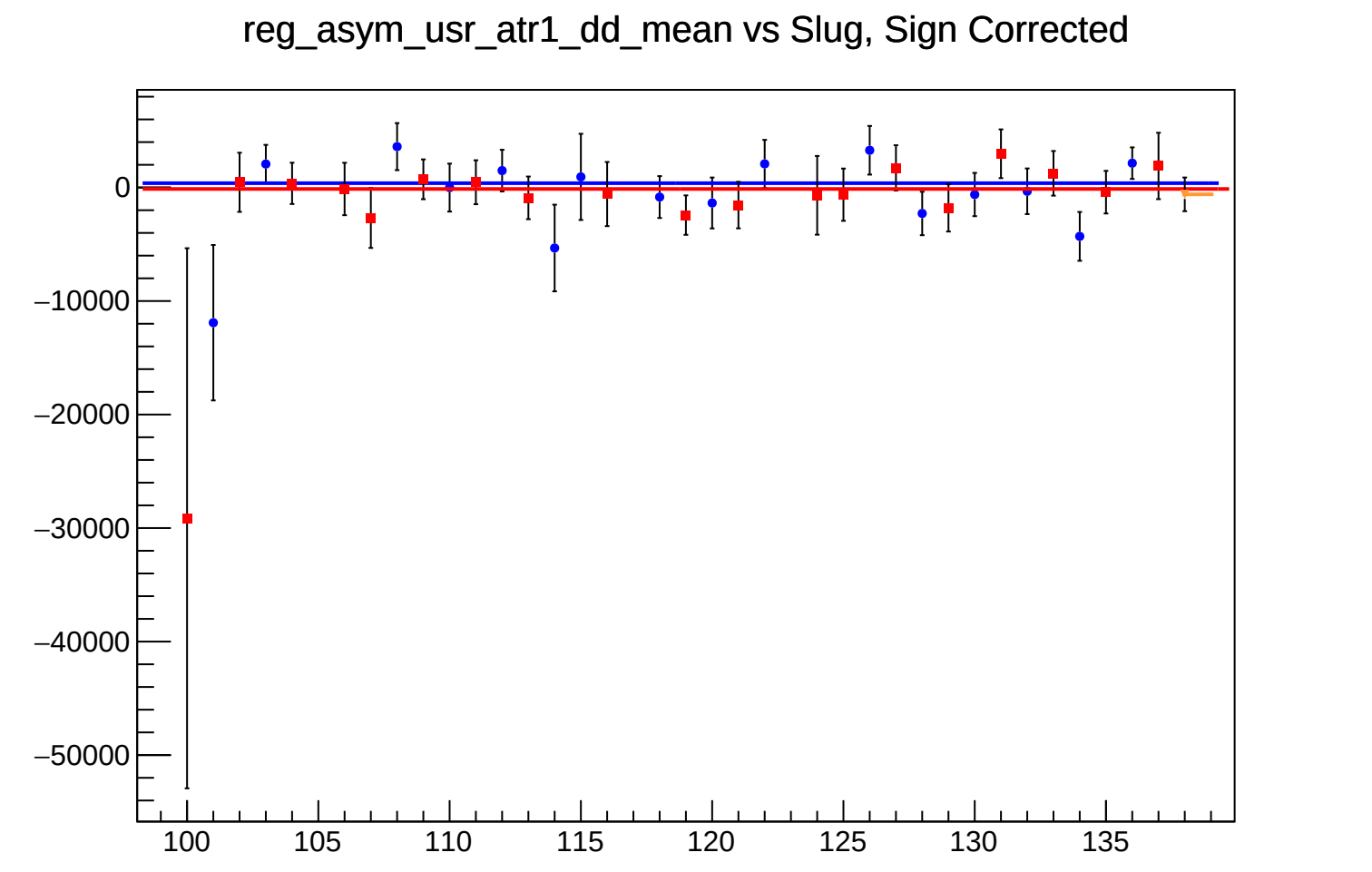
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:1384606.1/15

Out: 0.000+/-0.000 χ^2/NDF:2923830.0/19

All: 0.000+/-0.000 χ^2/NDF: 4469336.3/35



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -602.269+/-1482.975 χ^2/NDF:0.0/0

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

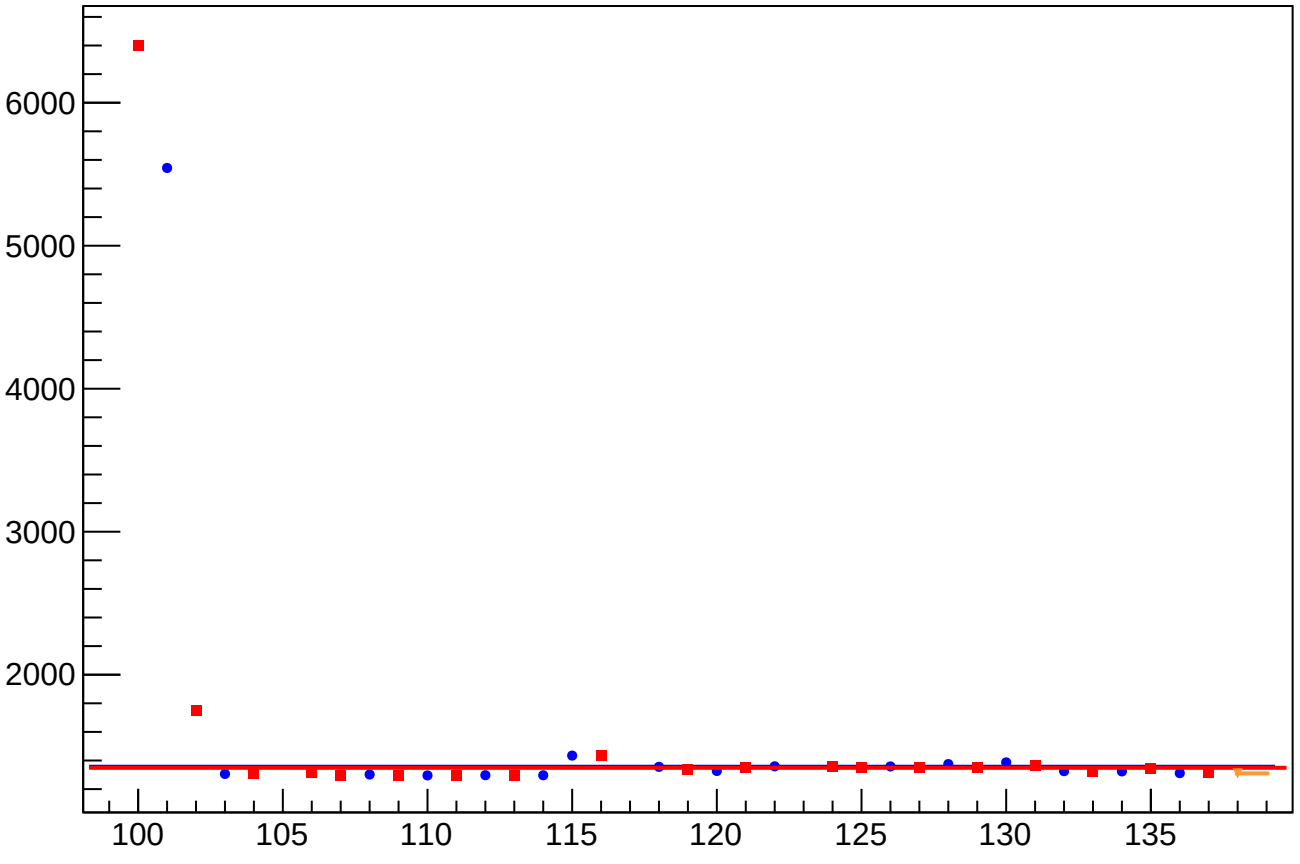
Left: -602.269+/-1482.975 χ^2/NDF: 0.0/0

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 381.403+/-517.789 χ^2/NDF:21.5/15

Out: -176.519+/-474.636 χ^2/NDF:10.1/19

All: 78.228+/-349.881 χ^2/NDF: 32.2/35



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1310.067+/-1.049 χ^2/NDF:0.0/0

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

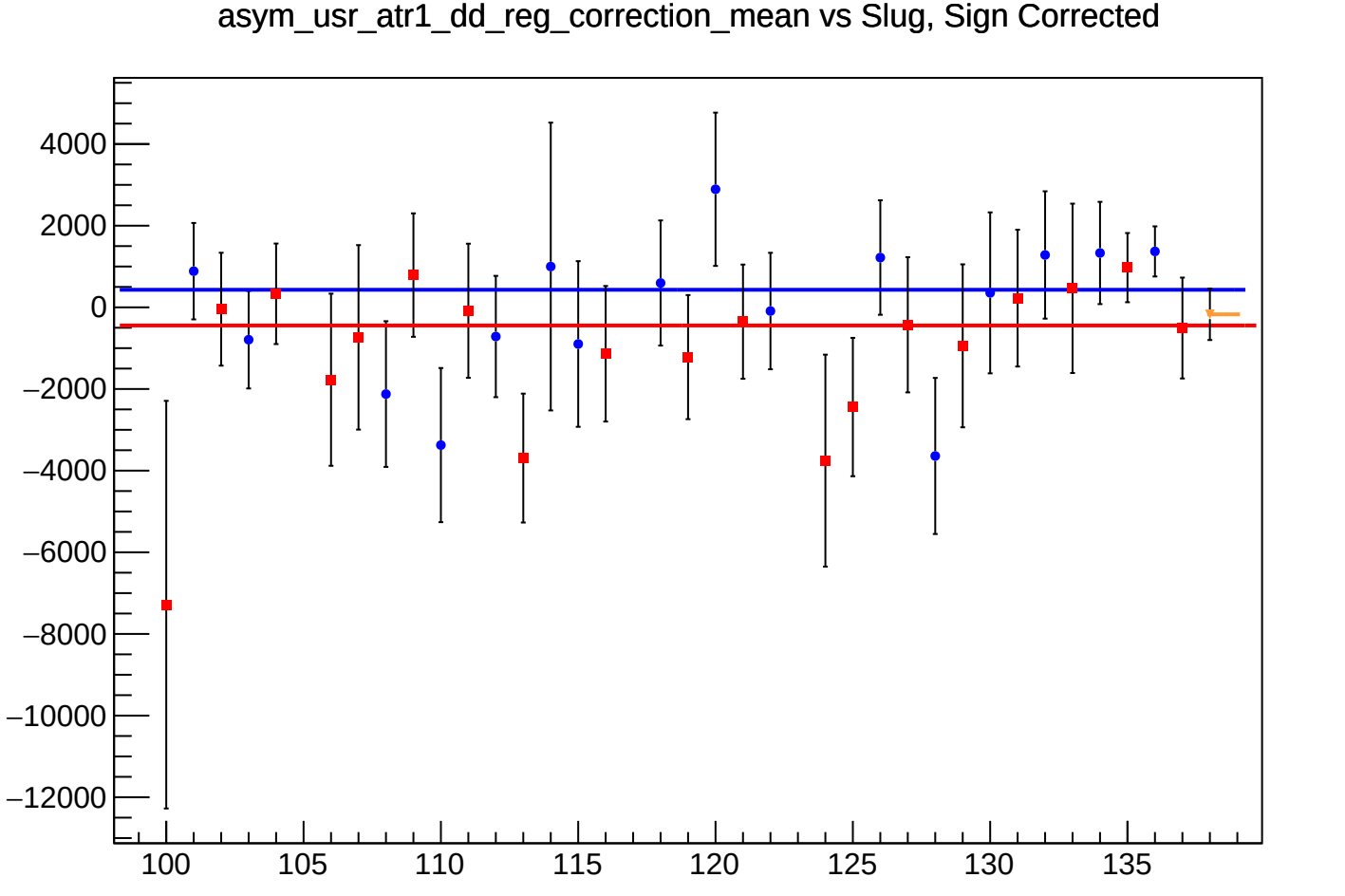
Left: 1310.067+/-1.049 χ^2/NDF: 0.0/0

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1356.397+/-0.366 χ^2/NDF:760266.3/15

Out: 1344.989+/-0.336 χ^2/NDF:148501.2/19

All: 1350.198+/-0.247 χ^2/NDF: 909295.1/35



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: -171.129+/-629.718 χ^2/NDF:0.0/0

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

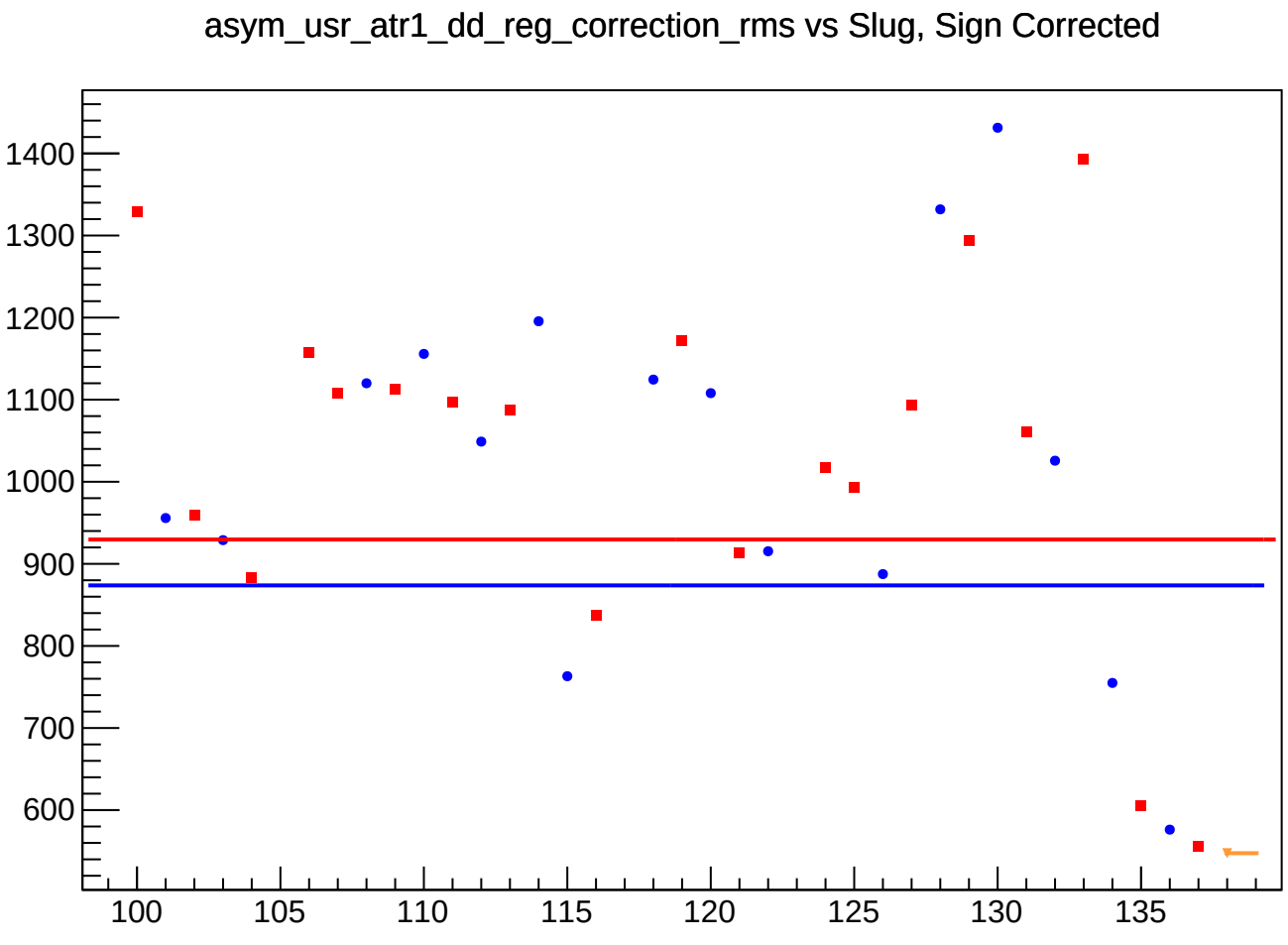
Left: -171.129+/-629.718 χ^2/NDF: 0.0/0

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 430.363+/-338.459 χ^2/NDF:18.2/15

Out: -378.447+/-309.637 χ^2/NDF:14.5/19

All: -9.940+/-228.458 χ^2/NDF: 35.9/35



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 547.477+/-0.445 χ^2/NDF:0.0/0

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

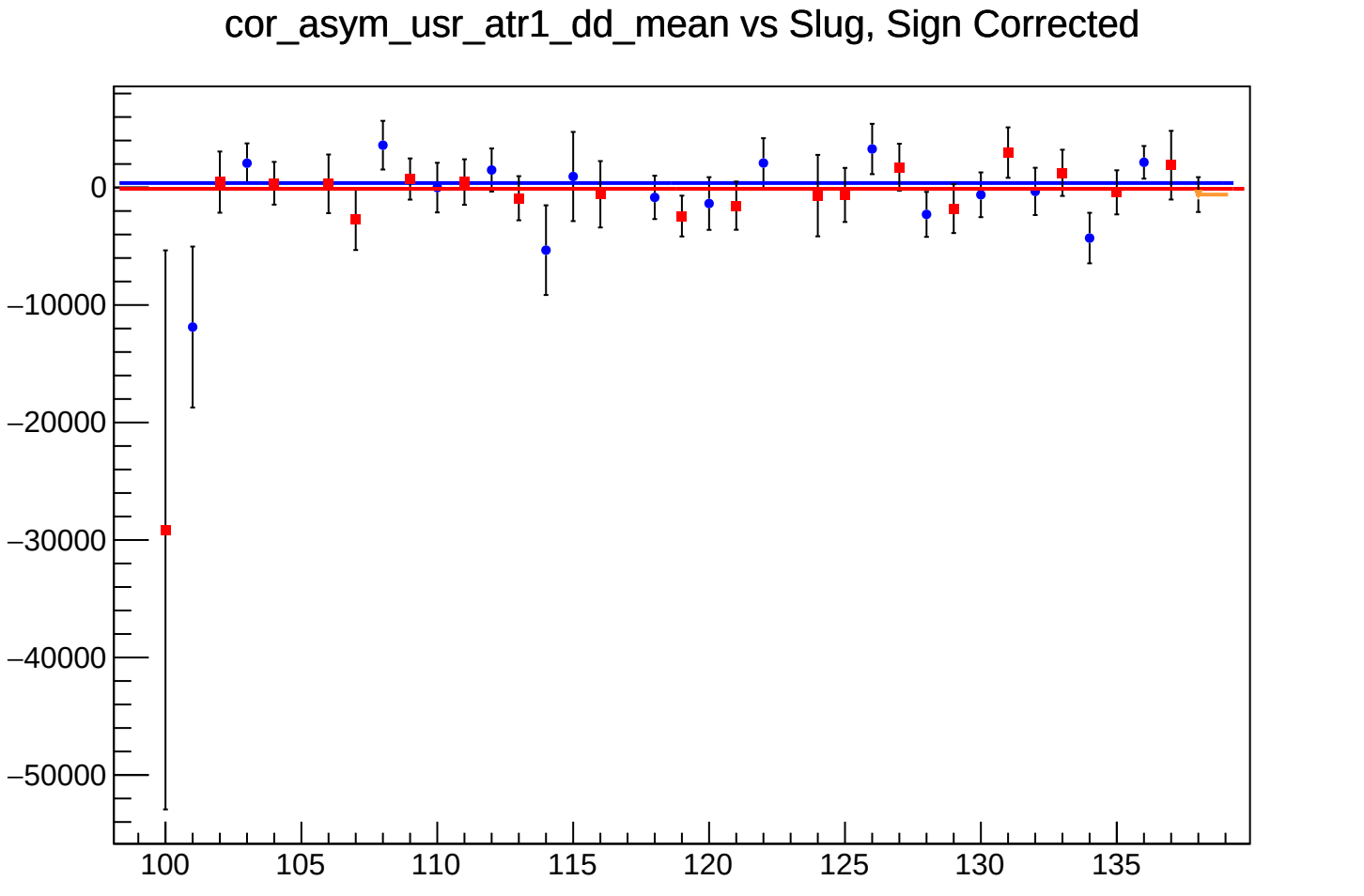
Left: 547.477+/-0.445 χ^2/NDF: 0.0/0

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 873.733+/-0.239 χ^2/NDF:1014860.8/15

Out: 837.239+/-0.219 χ^2/NDF:1418438.8/19

All: 853.866+/-0.162 χ^2/NDF: 2445957.2/35



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -602.295+/-1482.975 χ^2/NDF:0.0/0

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

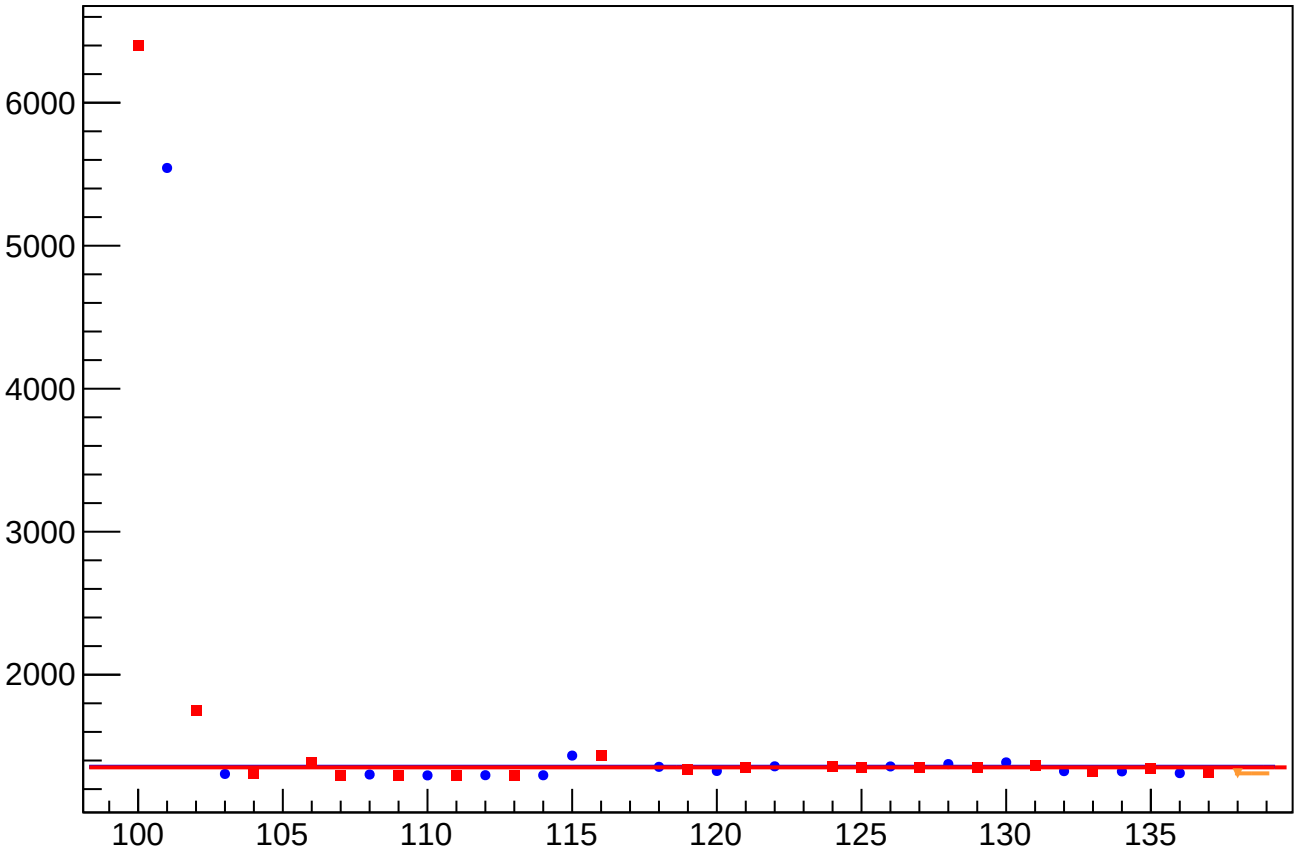
Left: -602.295+/-1482.975 χ^2/NDF: 0.0/0

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 381.712+/-517.789 χ^2/NDF:21.5/15

Out: -160.990+/-476.089 χ^2/NDF:10.1/19

All: 87.631+/-350.462 χ^2/NDF: 32.2/35



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1310.067+/-1.049 χ^2/NDF:0.0/0

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

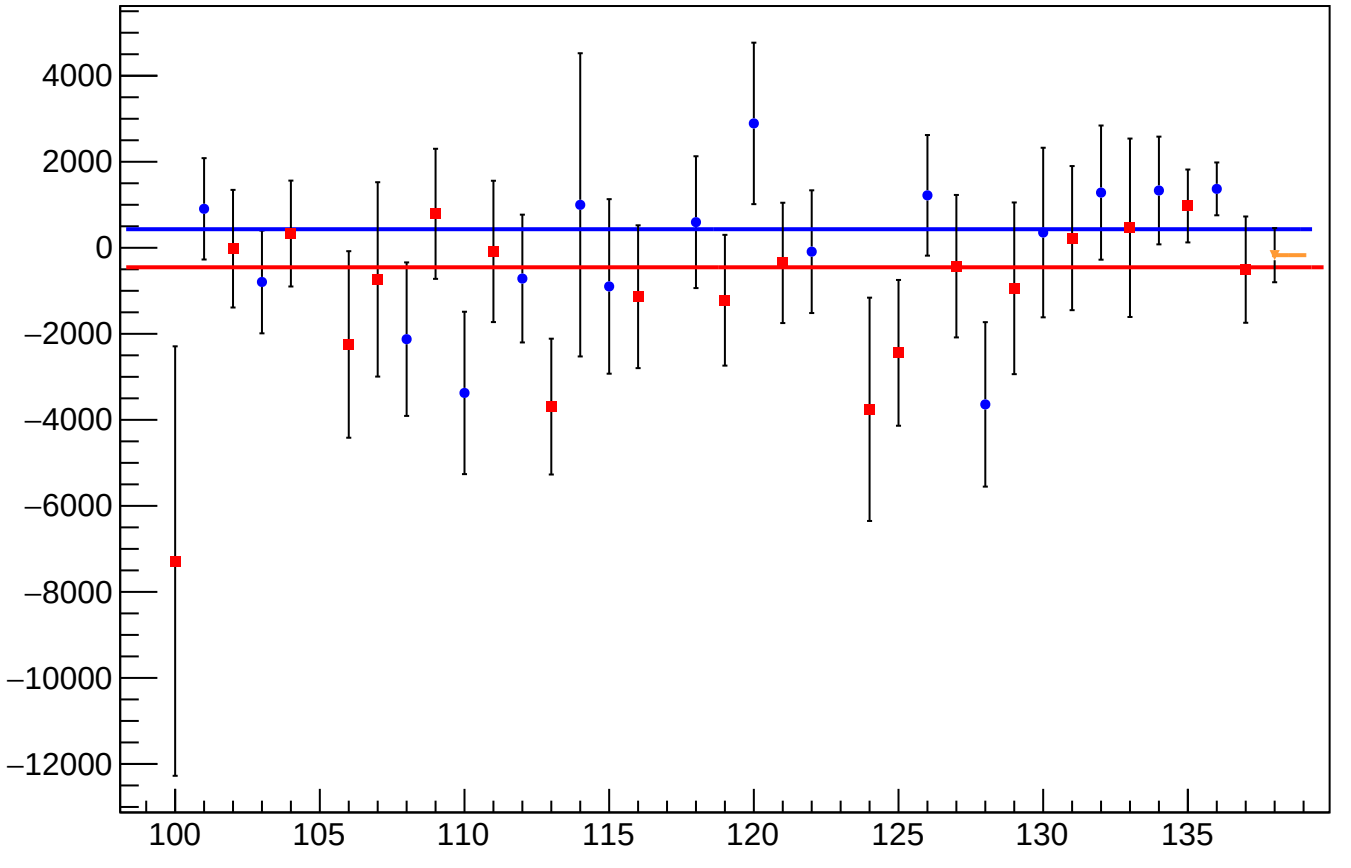
Left: 1310.067+/-1.049 χ^2/NDF: 0.0/0

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1356.397+/-0.366 χ^2/NDF:760265.4/15

Out: 1347.753+/-0.337 χ^2/NDF:148766.5/19

All: 1351.713+/-0.248 χ^2/NDF: 909333.9/35



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: -171.194+/-629.730 χ^2/NDF:0.0/0

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

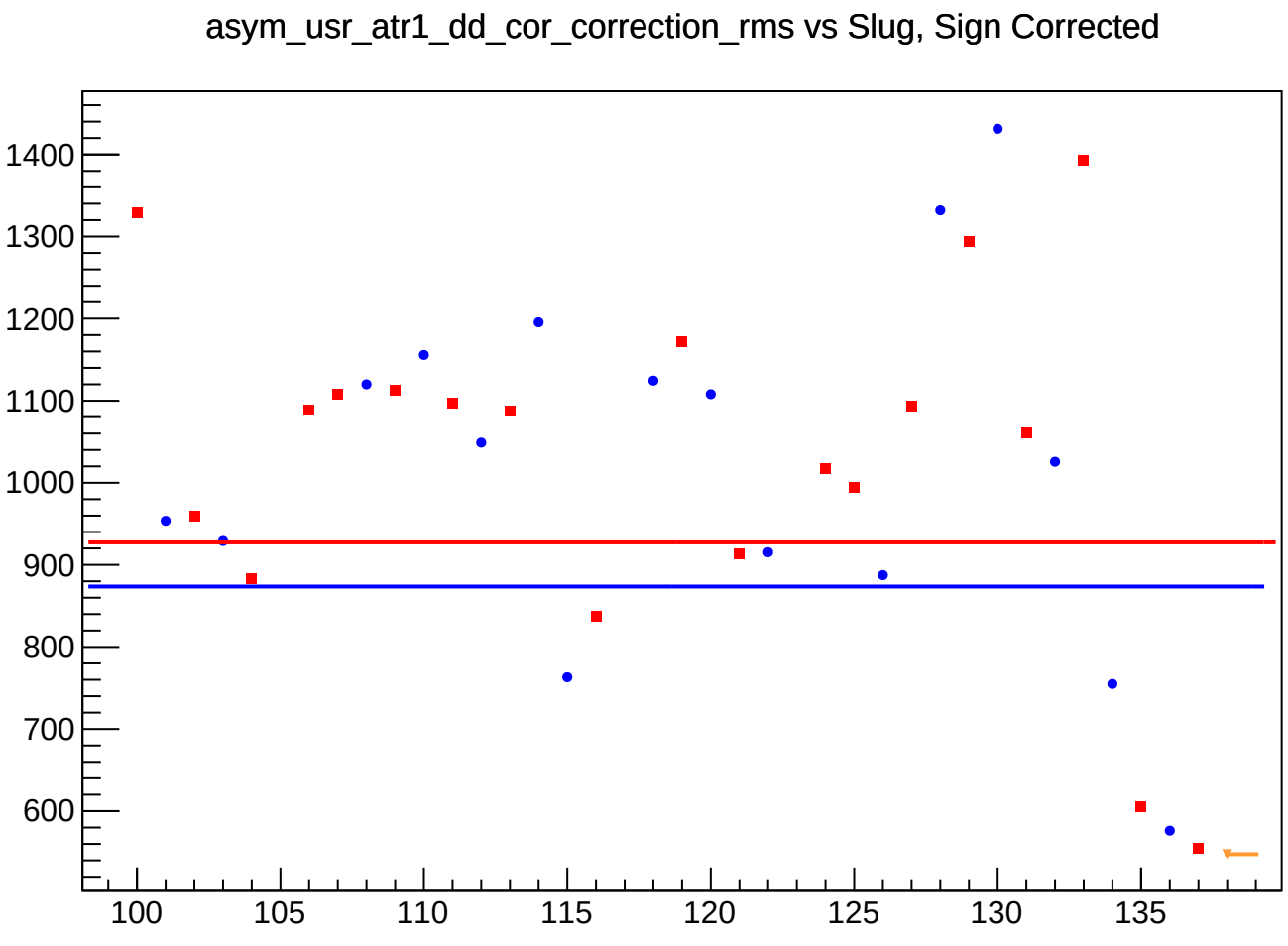
Left: -171.194+/-629.730 χ^2/NDF: 0.0/0

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 432.135+/-338.403 χ^2/NDF:18.2/15

Out: -384.896+/-309.642 χ^2/NDF:14.8/19

All: -12.570+/-228.442 χ^2/NDF: 36.3/35



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 547.489+/-0.445 χ^2/NDF:0.0/0

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

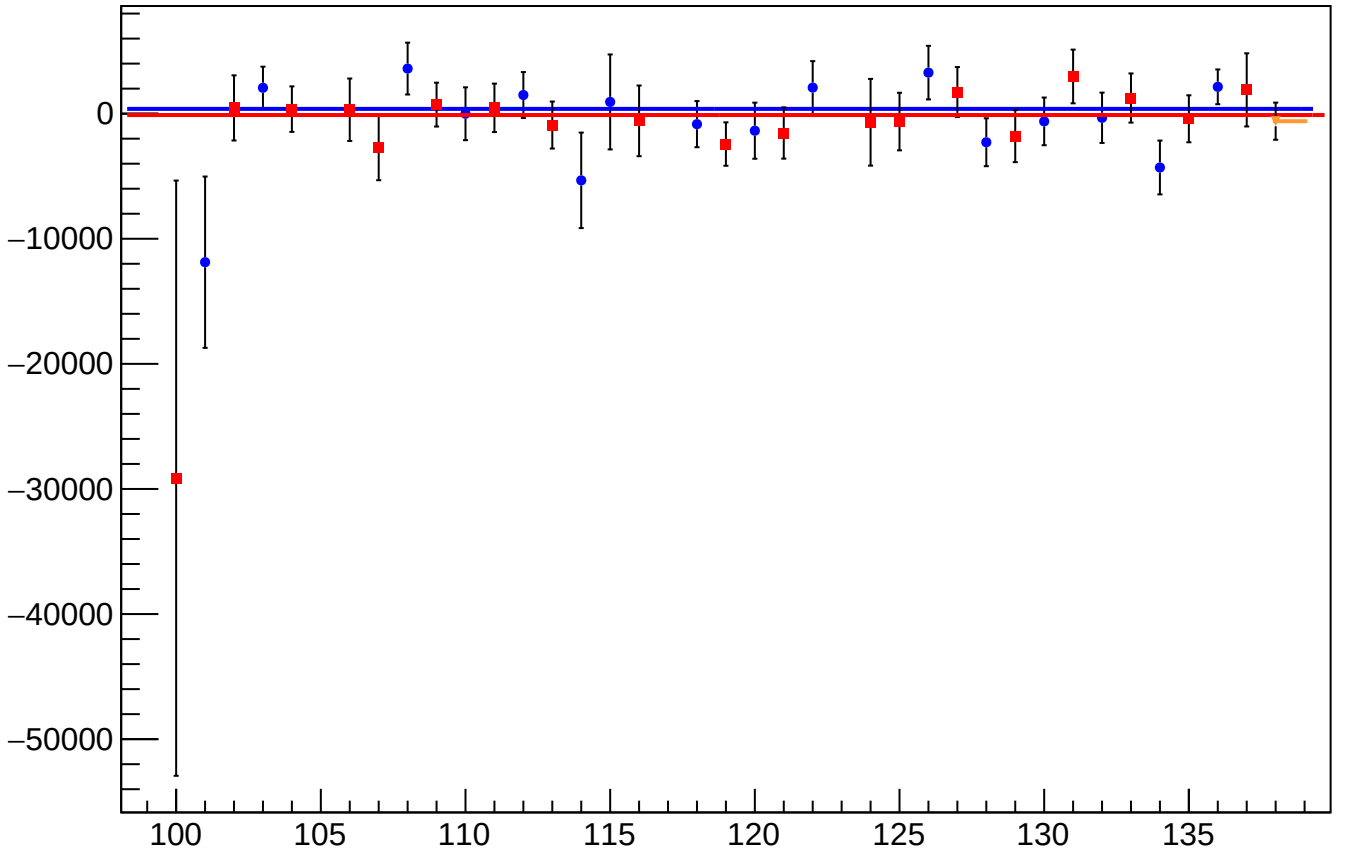
Left: 547.489+/-0.445 χ^2/NDF: 0.0/0

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 873.606+/-0.239 χ^2/NDF:1014405.7/15

Out: 835.553+/-0.219 χ^2/NDF:1399330.7/19

All: 852.894+/-0.162 χ^2/NDF: 2427501.6/35



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -602.295+/-1482.975 χ^2/NDF:0.0/0

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

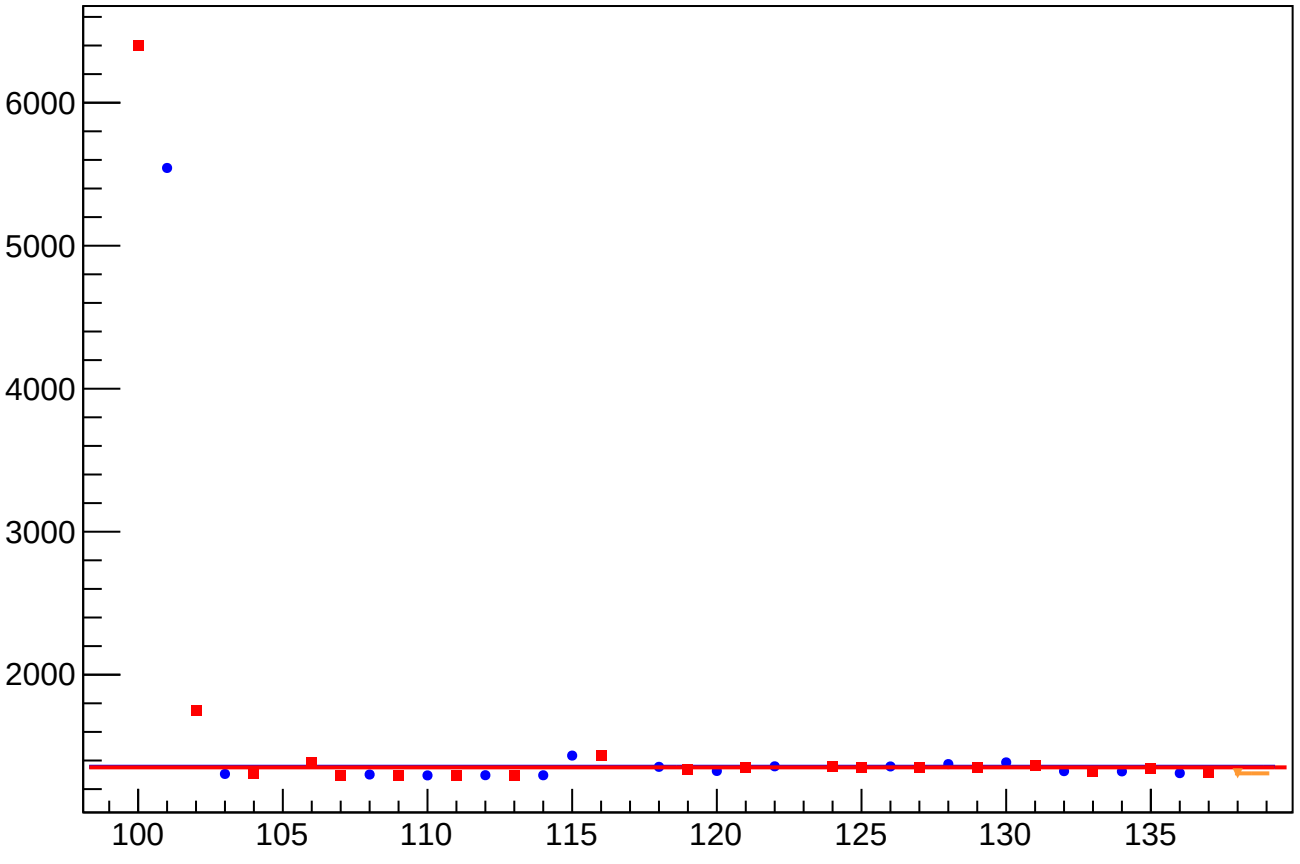
Left: -602.295+/-1482.975 χ^2/NDF: 0.0/0

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 381.712+/-517.789 χ^2/NDF:21.5/15

Out: -160.990+/-476.089 χ^2/NDF:10.1/19

All: 87.631+/-350.462 χ^2/NDF: 32.2/35



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1310.067+/-1.049 χ^2/NDF:0.0/0

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

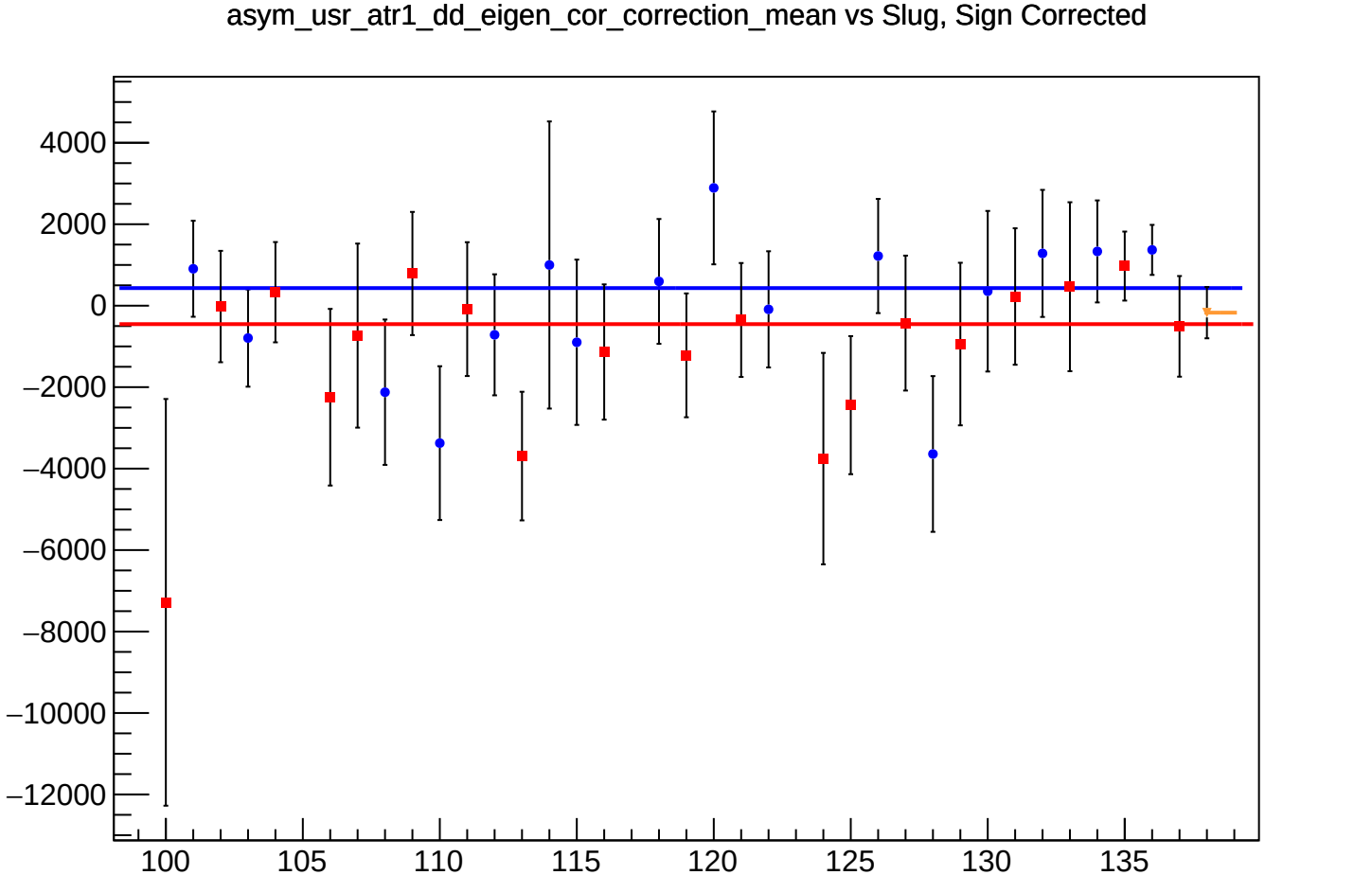
Left: 1310.067+/-1.049 χ^2/NDF: 0.0/0

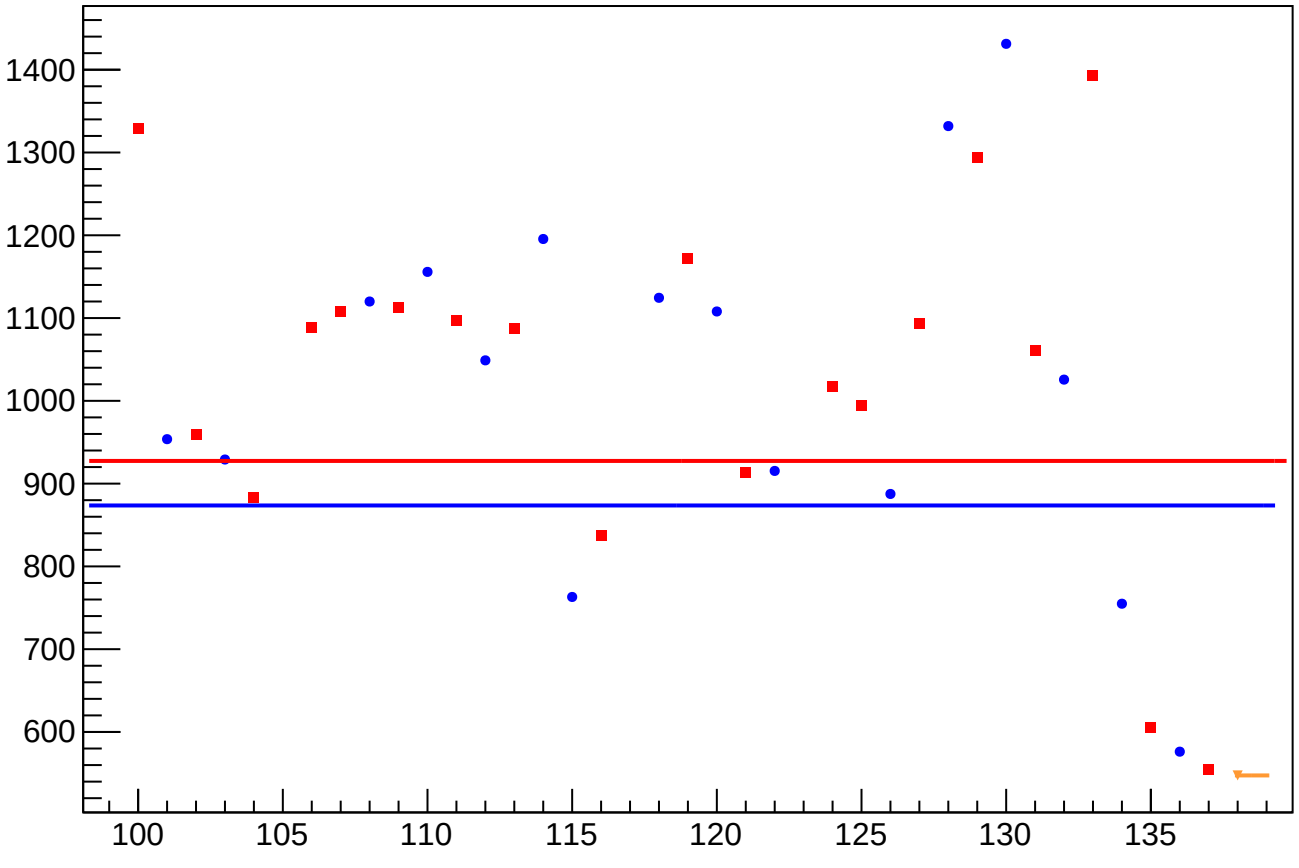
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1356.397+/-0.366 χ^2/NDF:760265.4/15

Out: 1347.753+/-0.337 χ^2/NDF:148766.5/19

All: 1351.713+/-0.248 χ^2/NDF: 909333.9/35


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
105
110
115
120
125
130
135
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: -171.194+/-629.730 χ²/NDF:0.0/0
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -171.194+/-629.730 χ²/NDF: 0.0/0
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 432.135+/-338.403 χ²/NDF:18.2/15
Out: -384.896+/-309.642 χ²/NDF:14.8/19
All: -12.570+/-228.442 χ²/NDF: 36.3/35



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 547.489+/-0.445 χ^2/NDF:0.0/0

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

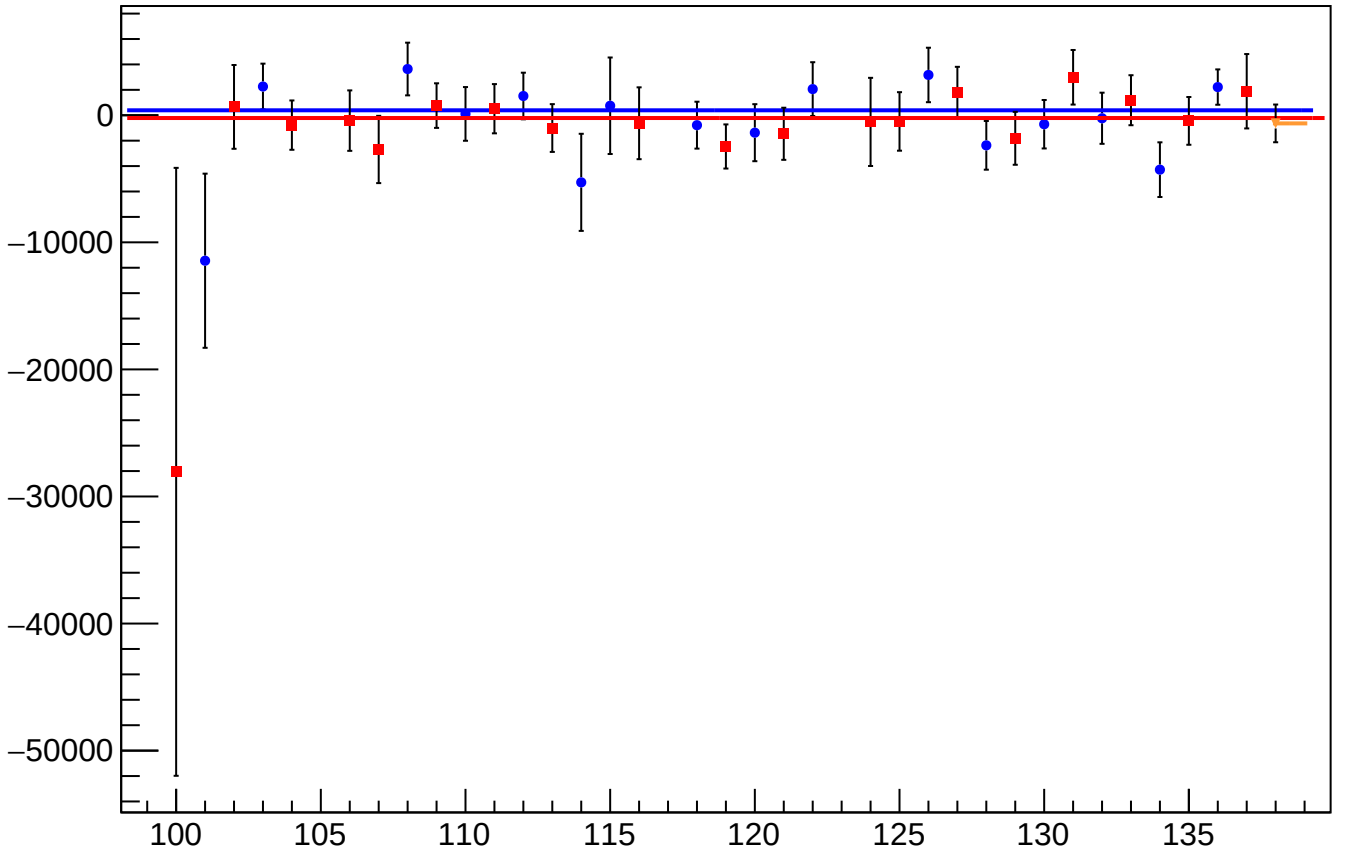
Left: 547.489+/-0.445 χ^2/NDF: 0.0/0

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 873.606+/-0.239 χ^2/NDF:1014405.7/15

Out: 835.553+/-0.219 χ^2/NDF:1399330.7/19

All: 852.894+/-0.162 χ^2/NDF: 2427501.6/35



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -640.957+/-1484.426 χ^2/NDF:0.0/0

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -640.957+/-1484.426 χ^2/NDF: 0.0/0

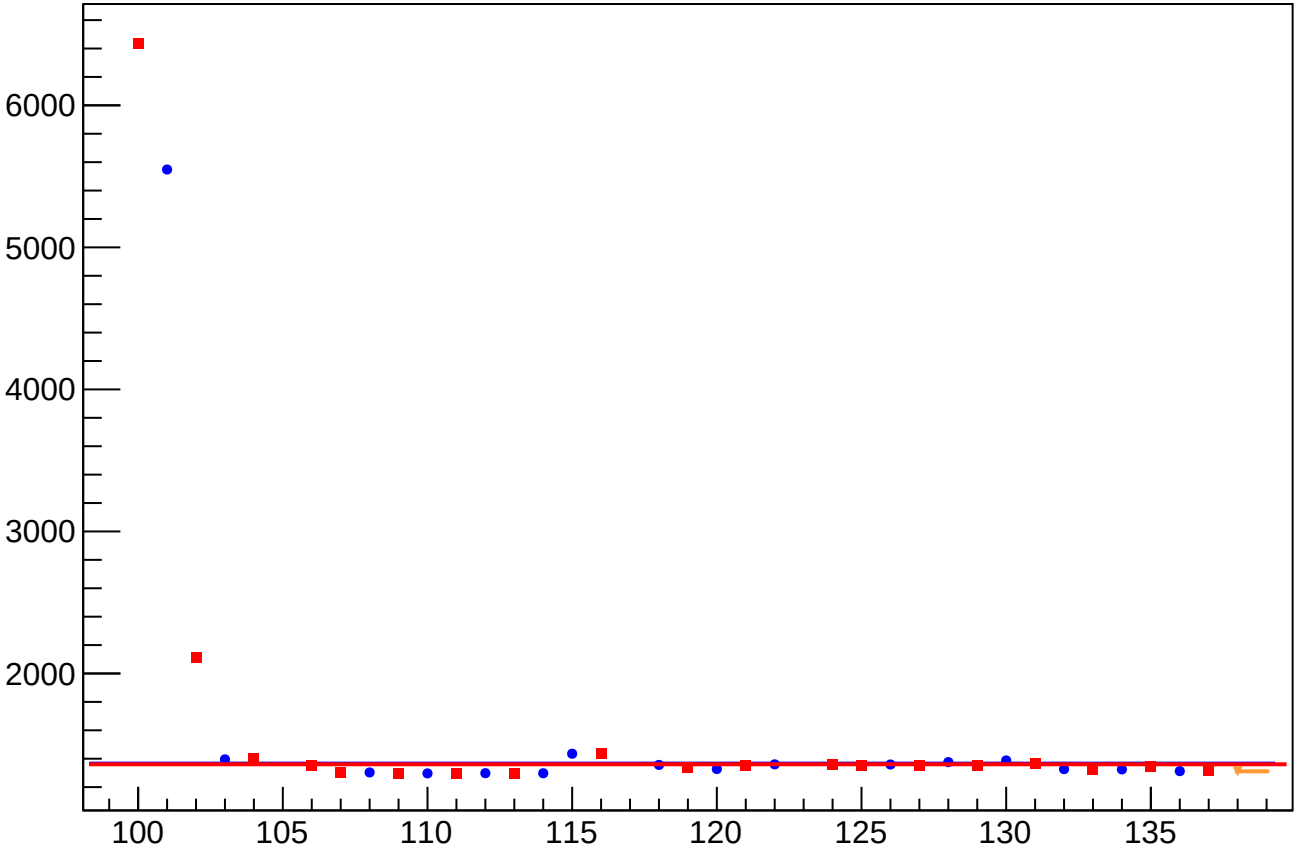
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 389.949+/-521.159 χ^2/NDF:21.4/15

Out: -262.495+/-480.573 χ^2/NDF:10.1/19

All: 37.336+/-353.295 χ^2/NDF: 32.3/35

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1311.347+/-1.050 χ^2/NDF:0.0/0

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

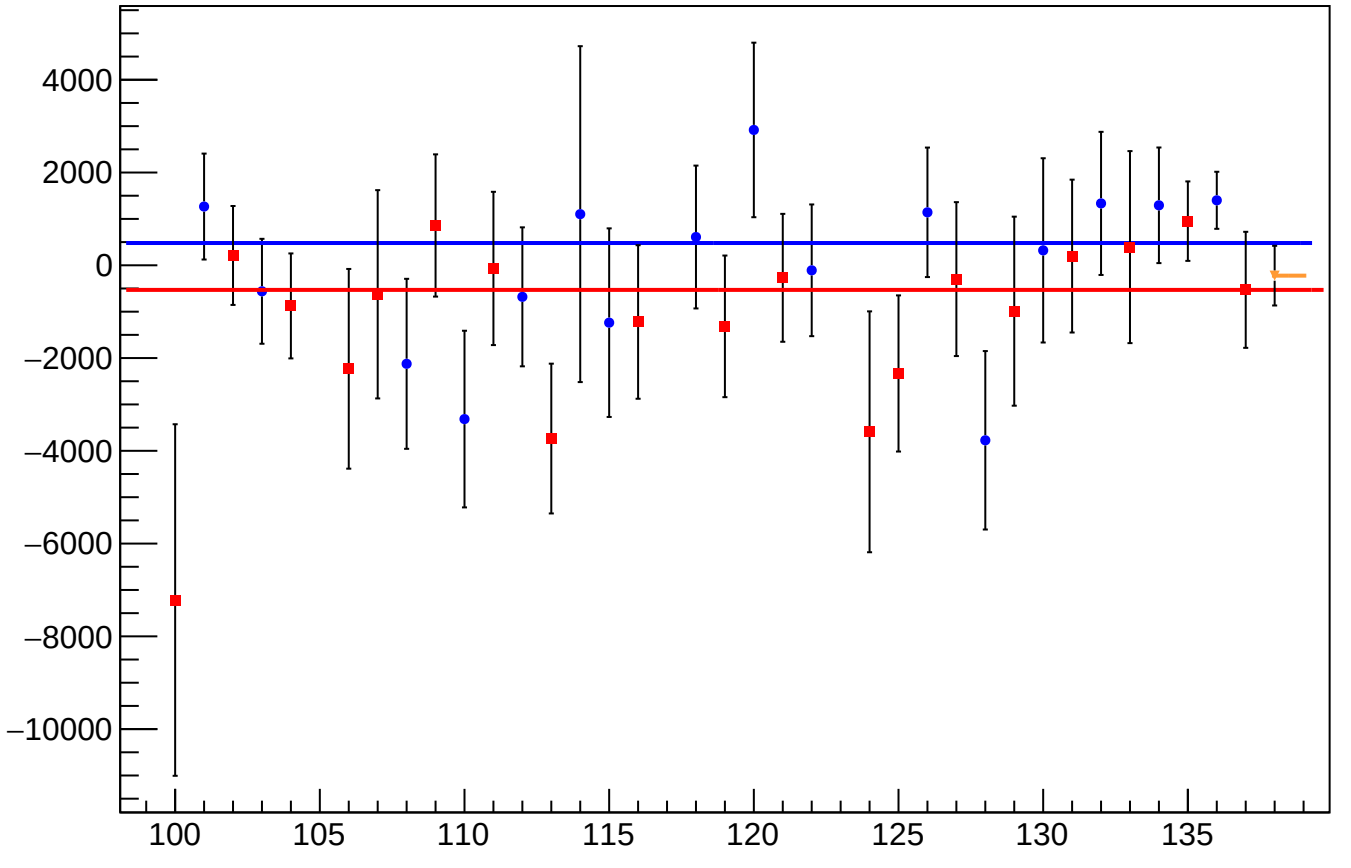
Left: 1311.347+/-1.050 χ^2/NDF: 0.0/0

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1365.302+/-0.369 χ^2/NDF:758944.7/15

Out: 1355.590+/-0.340 χ^2/NDF:207300.0/19

All: 1360.053+/-0.250 χ^2/NDF: 966620.1/35



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: -223.238+/-643.273 χ^2/NDF:0.0/0

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

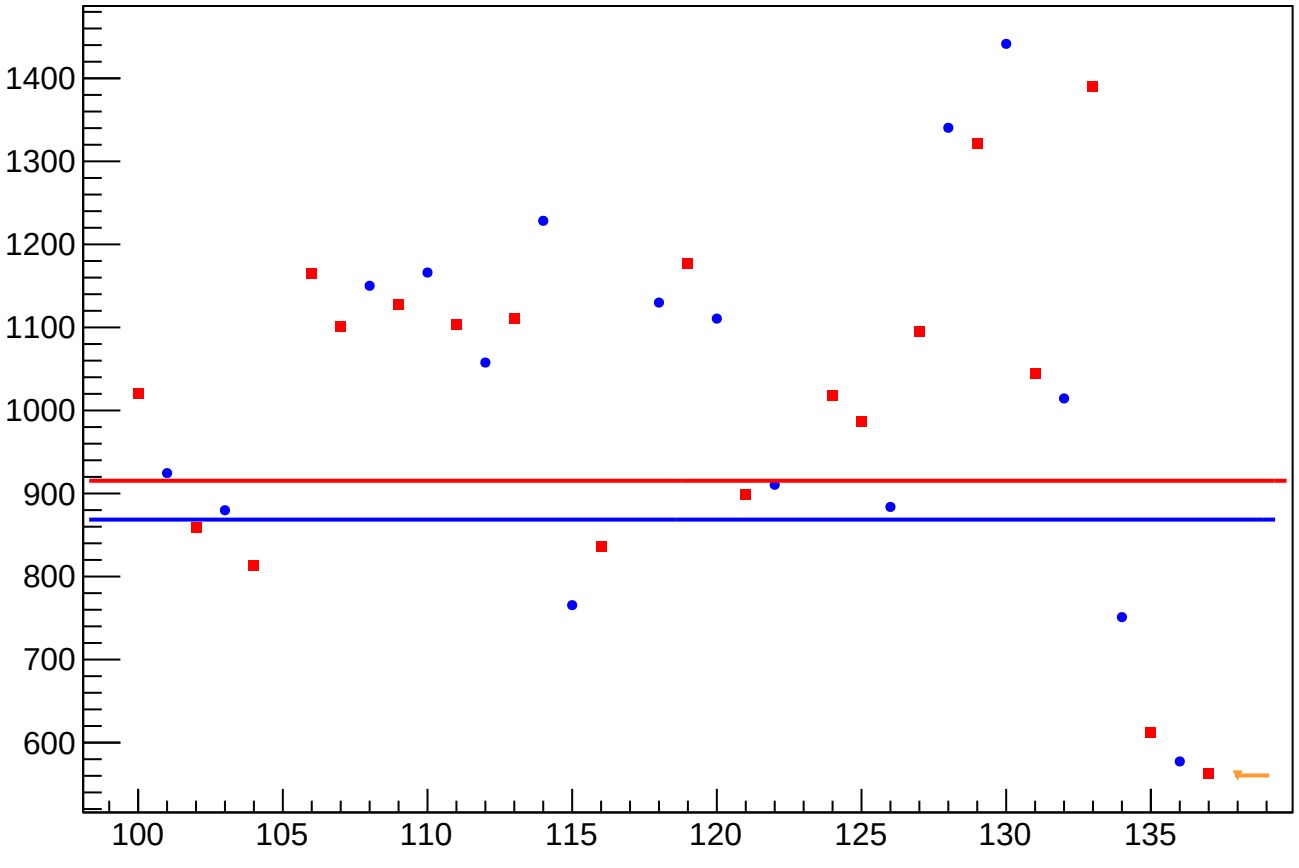
Left: -223.238+/-643.273 χ^2/NDF: 0.0/0

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 480.403+/-336.520 χ^2/NDF:18.6/15

Out: -461.546+/-304.789 χ^2/NDF:15.8/19

All: -37.064+/-225.906 χ^2/NDF: 38.7/35



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 560.490+/-0.455 χ^2/NDF:0.0/0

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

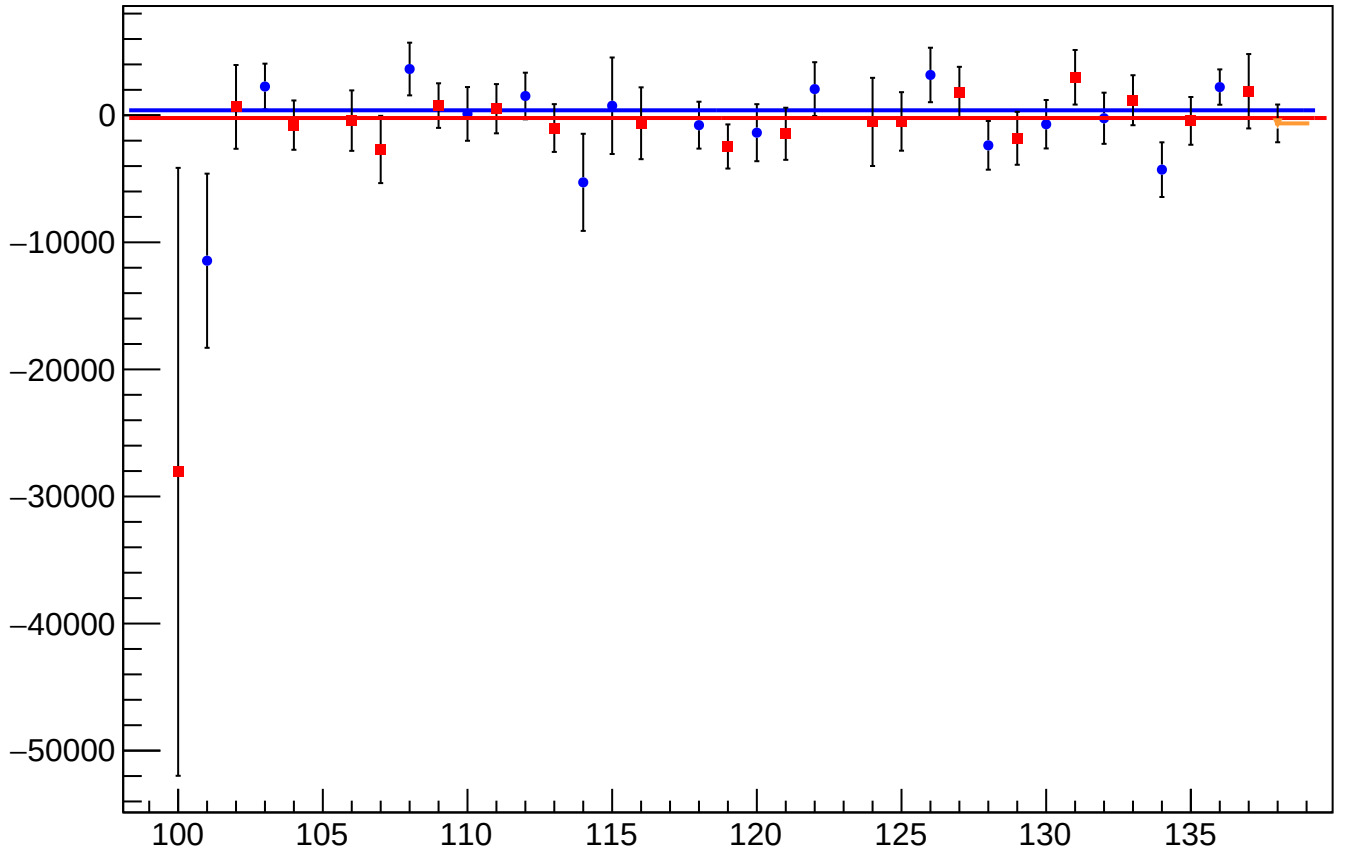
Left: 560.490+/-0.455 χ^2/NDF: 0.0/0

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 868.572+/-0.238 χ^2/NDF:1021338.5/15

Out: 835.693+/-0.216 χ^2/NDF:1330928.5/19

All: 850.510+/-0.160 χ^2/NDF: 2362755.1/35



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -640.953+/-1484.426 χ^2/NDF:0.0/0

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

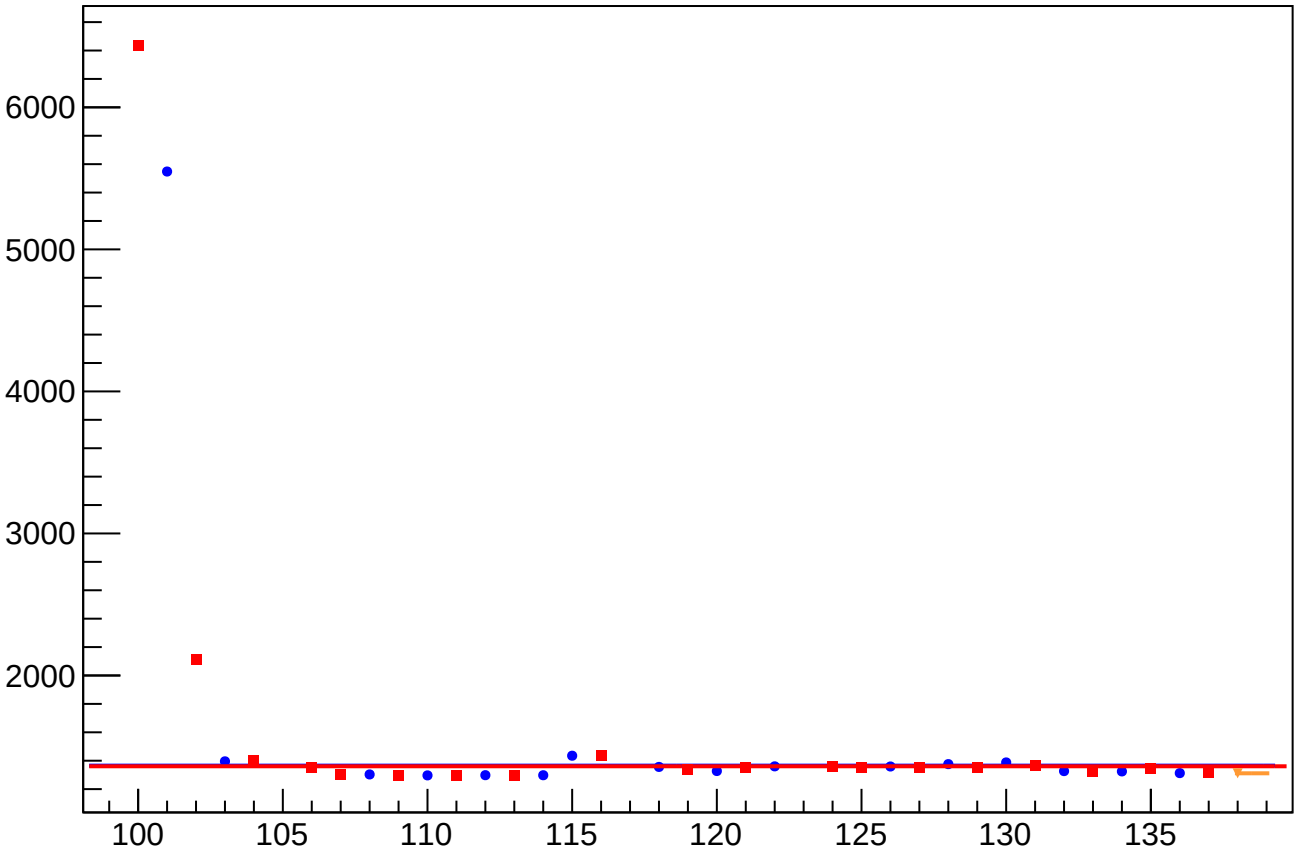
Left: -640.953+/-1484.426 χ^2/NDF: 0.0/0

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 389.949+/-521.159 χ^2/NDF:21.4/15

Out: -262.493+/-480.573 χ^2/NDF:10.1/19

All: 37.337+/-353.295 χ^2/NDF: 32.3/35



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1311.347+/-1.050 χ^2/NDF:0.0/0

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

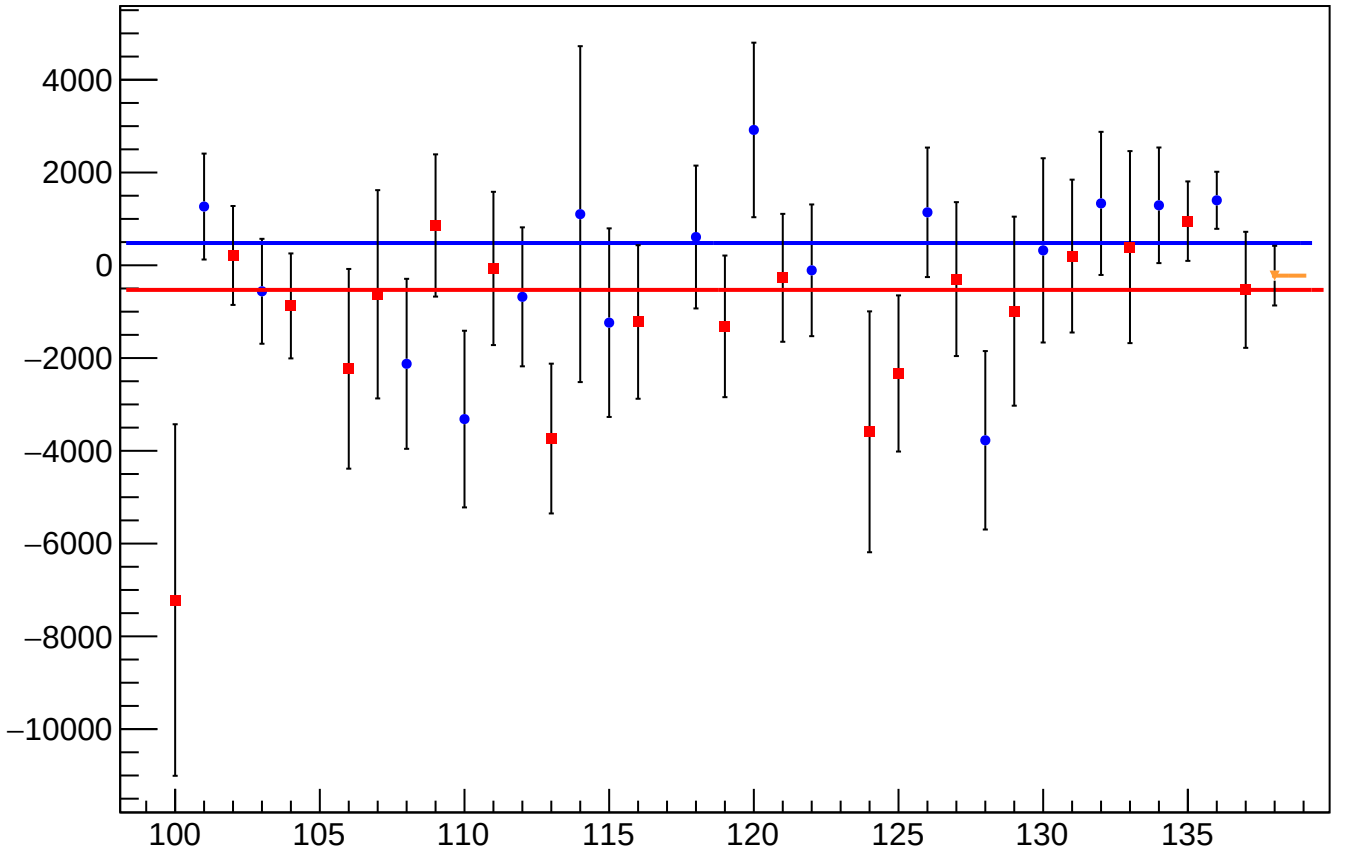
Left: 1311.347+/-1.050 χ^2/NDF: 0.0/0

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1365.302+/-0.369 χ^2/NDF:758944.7/15

Out: 1355.590+/-0.340 χ^2/NDF:207300.0/19

All: 1360.053+/-0.250 χ^2/NDF: 966620.0/35



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: -223.234+/-643.275 χ^2/NDF:0.0/0

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

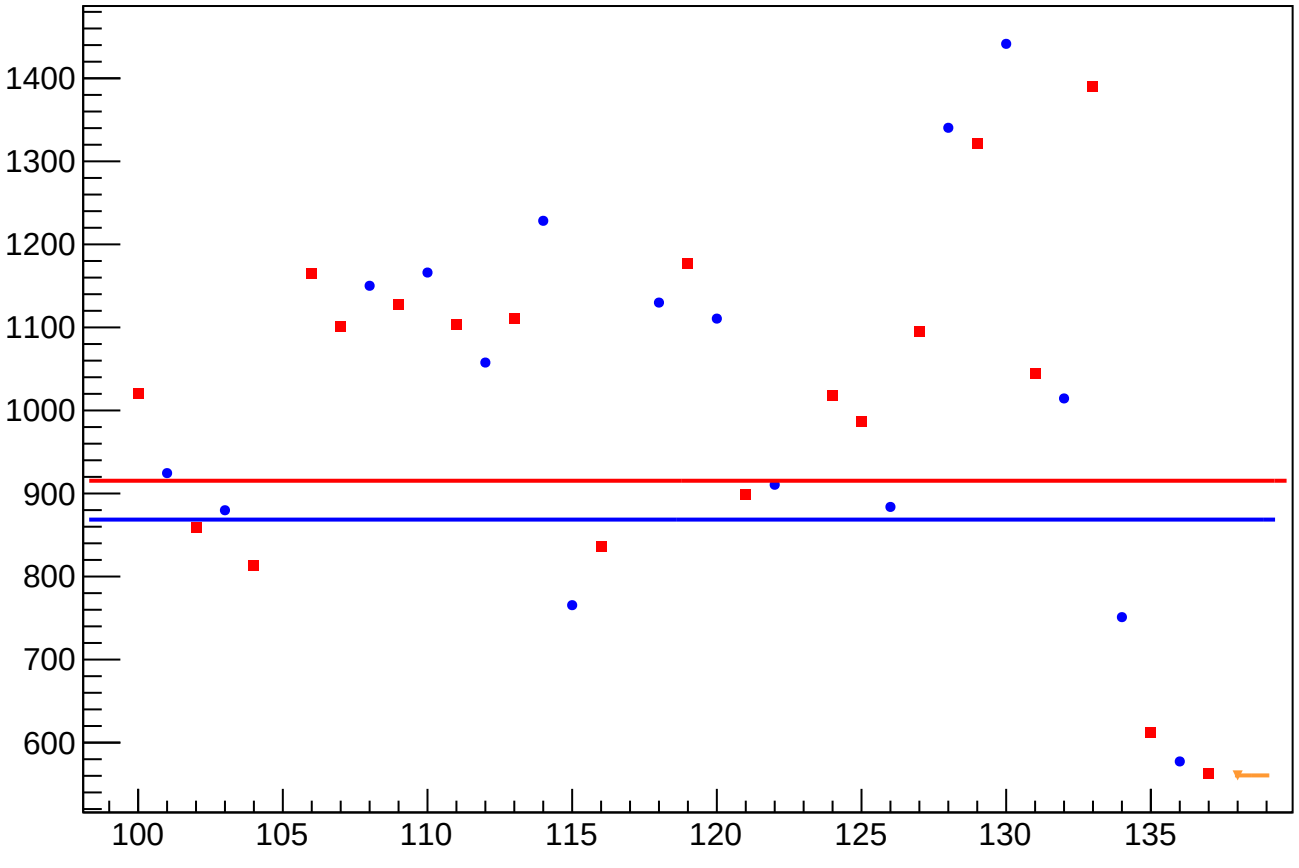
Left: -223.234+/-643.275 χ^2/NDF: 0.0/0

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 480.400+/-336.519 χ^2/NDF:18.6/15

Out: -461.545+/-304.789 χ^2/NDF:15.8/19

All: -37.064+/-225.905 χ^2/NDF: 38.7/35



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 560.492+/-0.455 χ^2/NDF:0.0/0

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 560.492+/-0.455 χ^2/NDF: 0.0/0

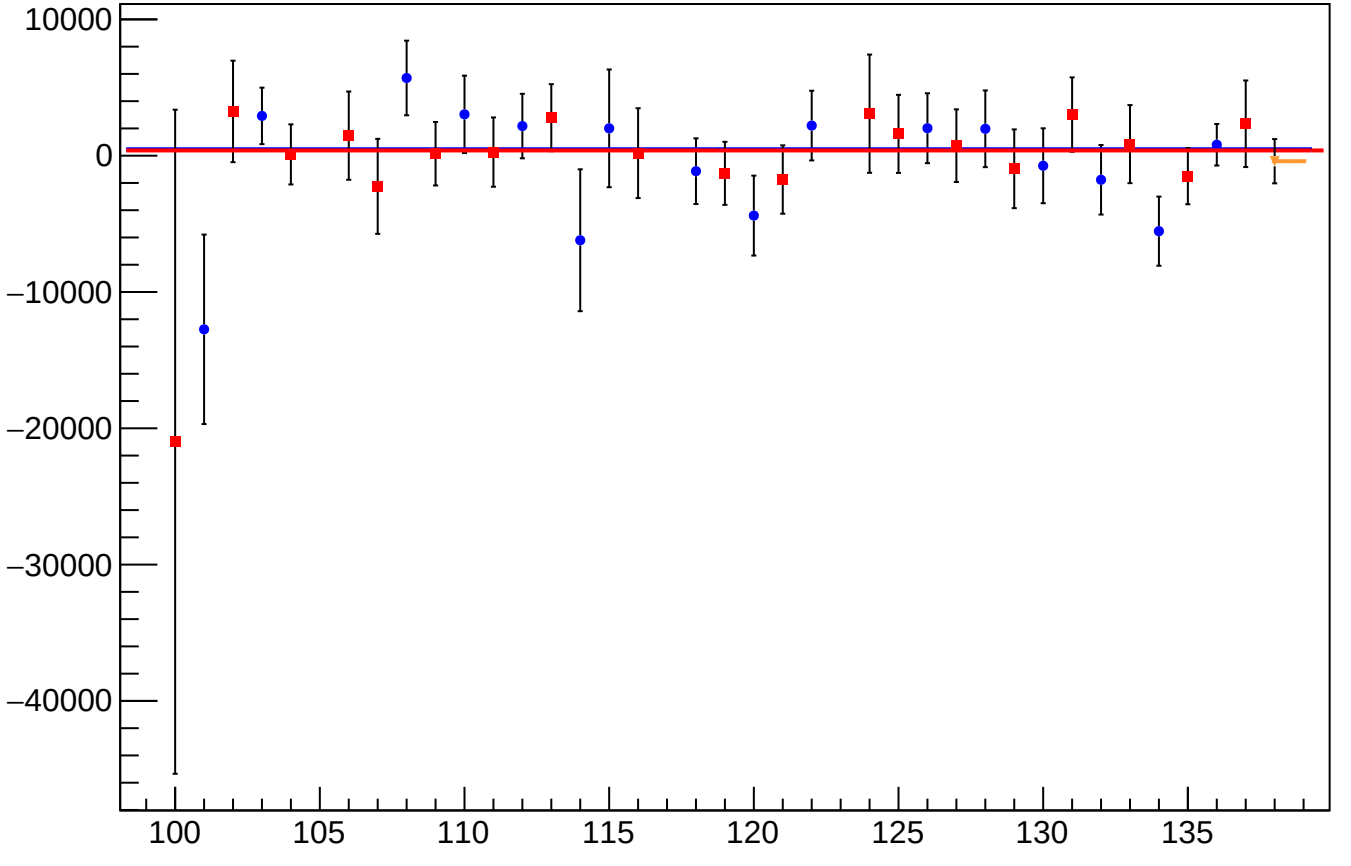
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 868.570+/-0.238 χ^2/NDF:1021337.1/15

Out: 835.693+/-0.216 χ^2/NDF:1330915.4/19

All: 850.509+/-0.160 χ^2/NDF: 2362739.2/35

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -405.141+/-1624.059 χ^2/NDF:0.0/0

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -405.141+/-1624.059 χ^2/NDF: 0.0/0

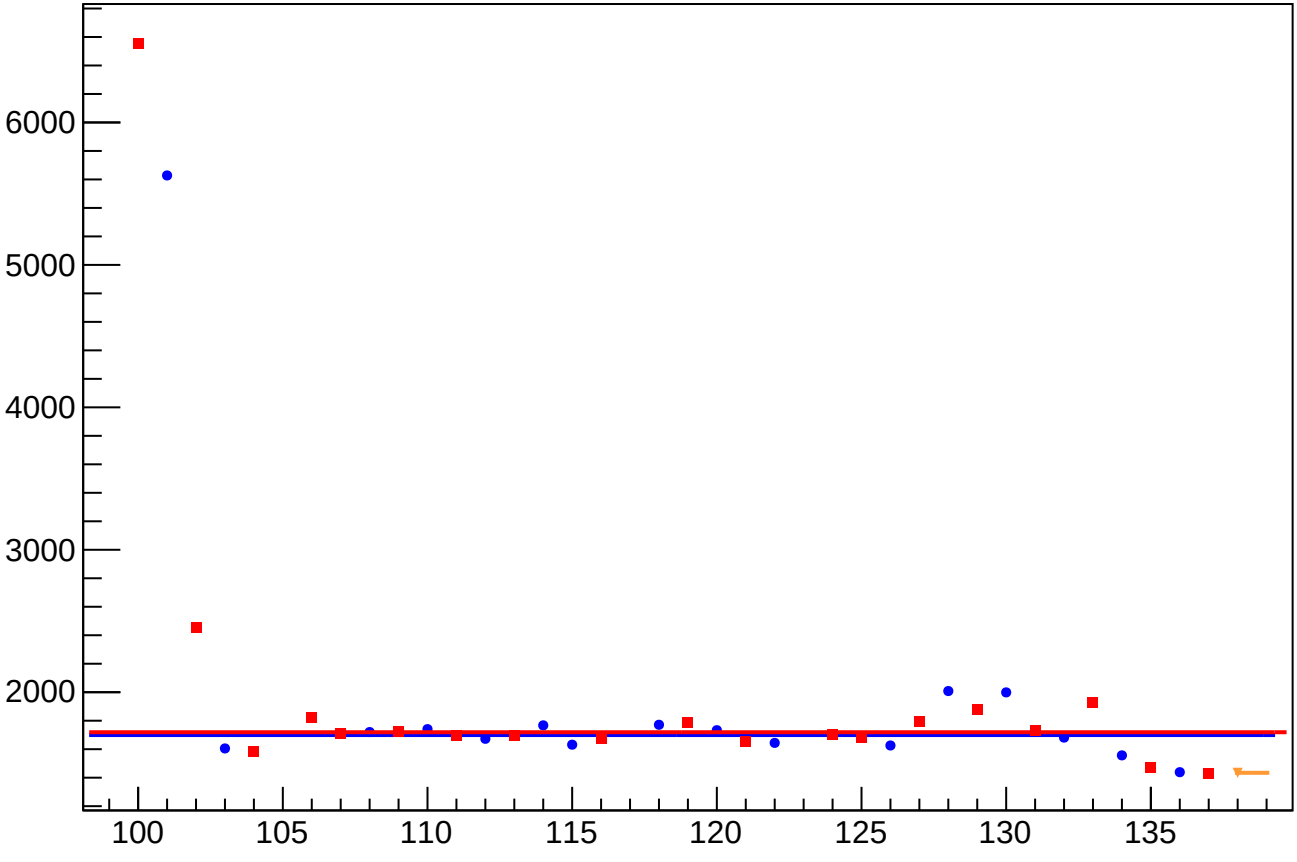
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 473.494+/-649.243 χ^2/NDF:22.7/15

Out: 278.030+/-597.039 χ^2/NDF:7.5/19

All: 367.589+/-439.469 χ^2/NDF: 30.2/35

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1434.283+/-1.148 χ^2/NDF:0.0/0

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

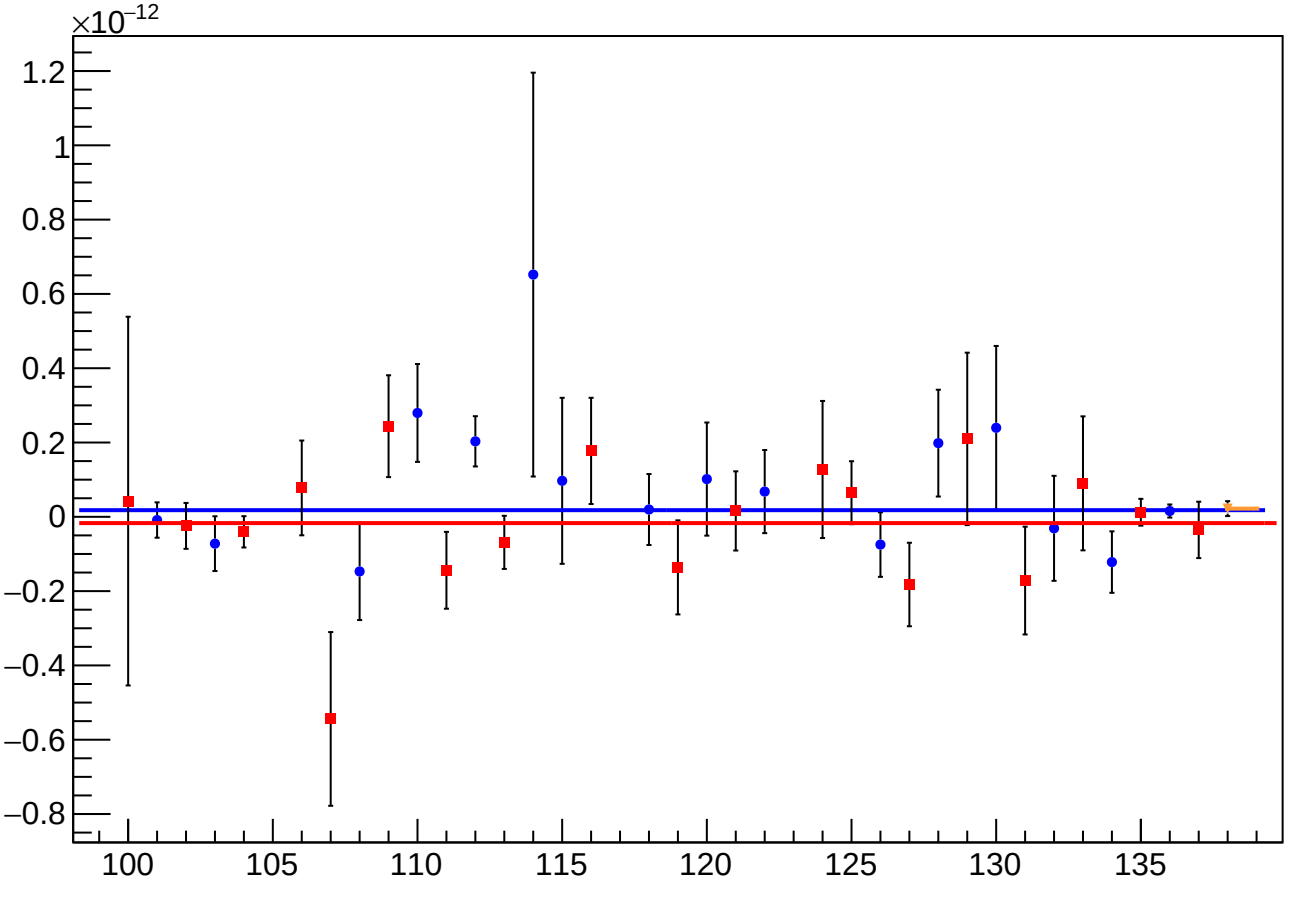
Left: 1434.283+/-1.148 χ^2/NDF: 0.0/0

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1699.330+/-0.459 χ^2/NDF:762097.7/15

Out: 1680.611+/-0.422 χ^2/NDF:286951.3/19

All: 1689.187+/-0.311 χ^2/NDF: 1049949.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

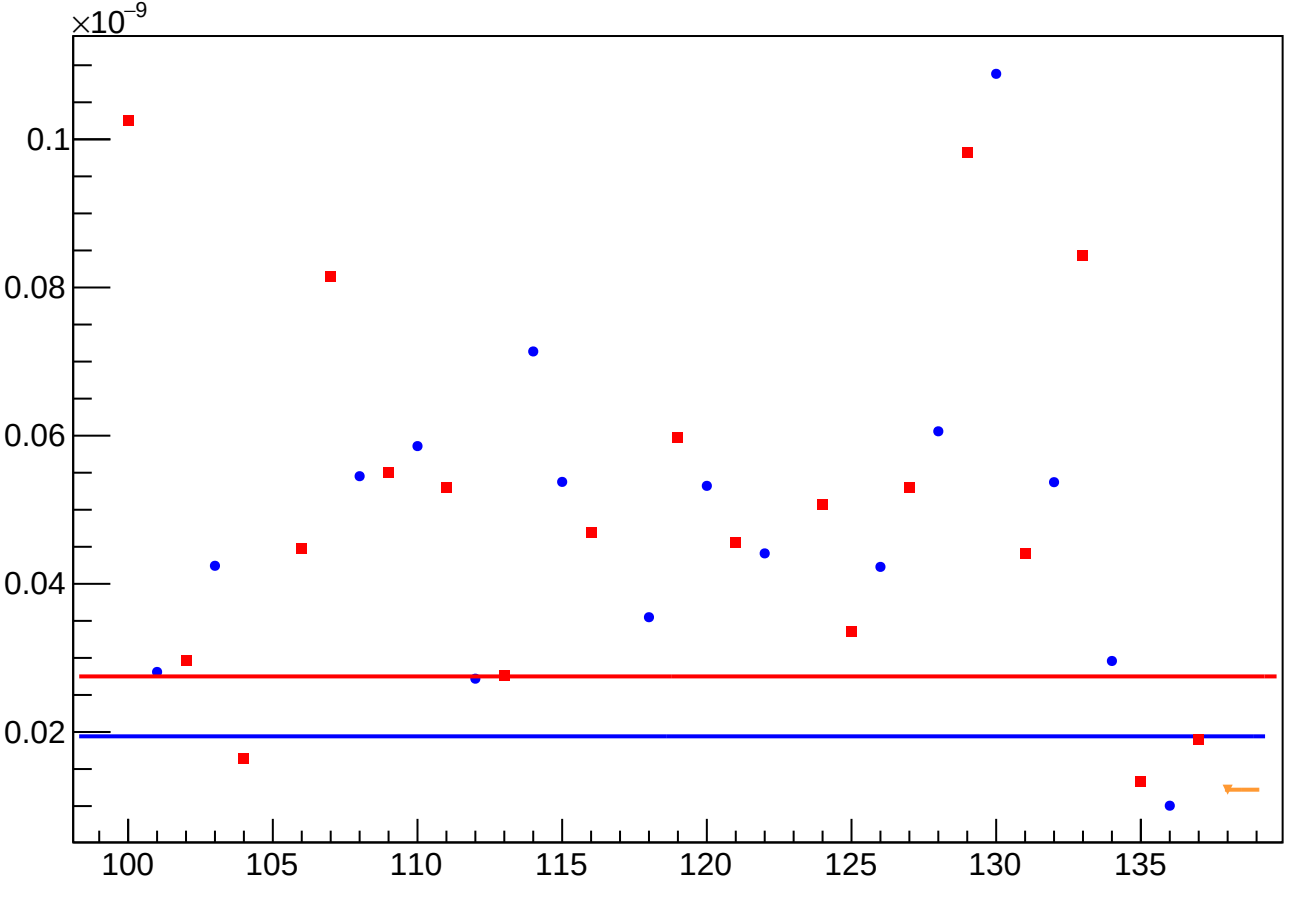
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:23.6/15

Out: 0.000+/-0.000 χ^2/NDF:23.3/19

All: 0.000+/-0.000 χ^2/NDF: 47.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

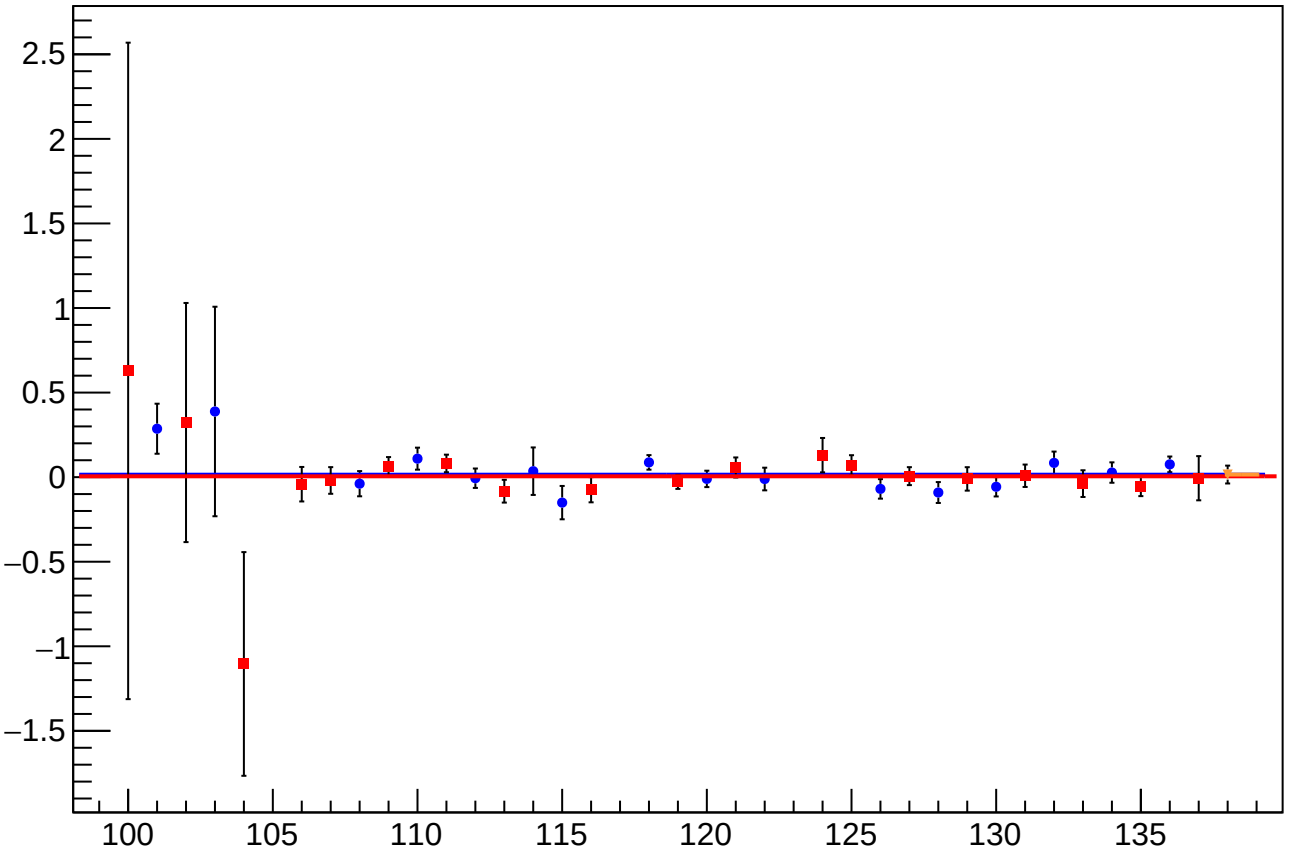
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:2274412.4/15

Out: 0.000+/-0.000 χ^2/NDF:2258053.1/19

All: 0.000+/-0.000 χ^2/NDF: 4535935.7/35



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.015+/-0.053 χ^2/NDF:0.0/0

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

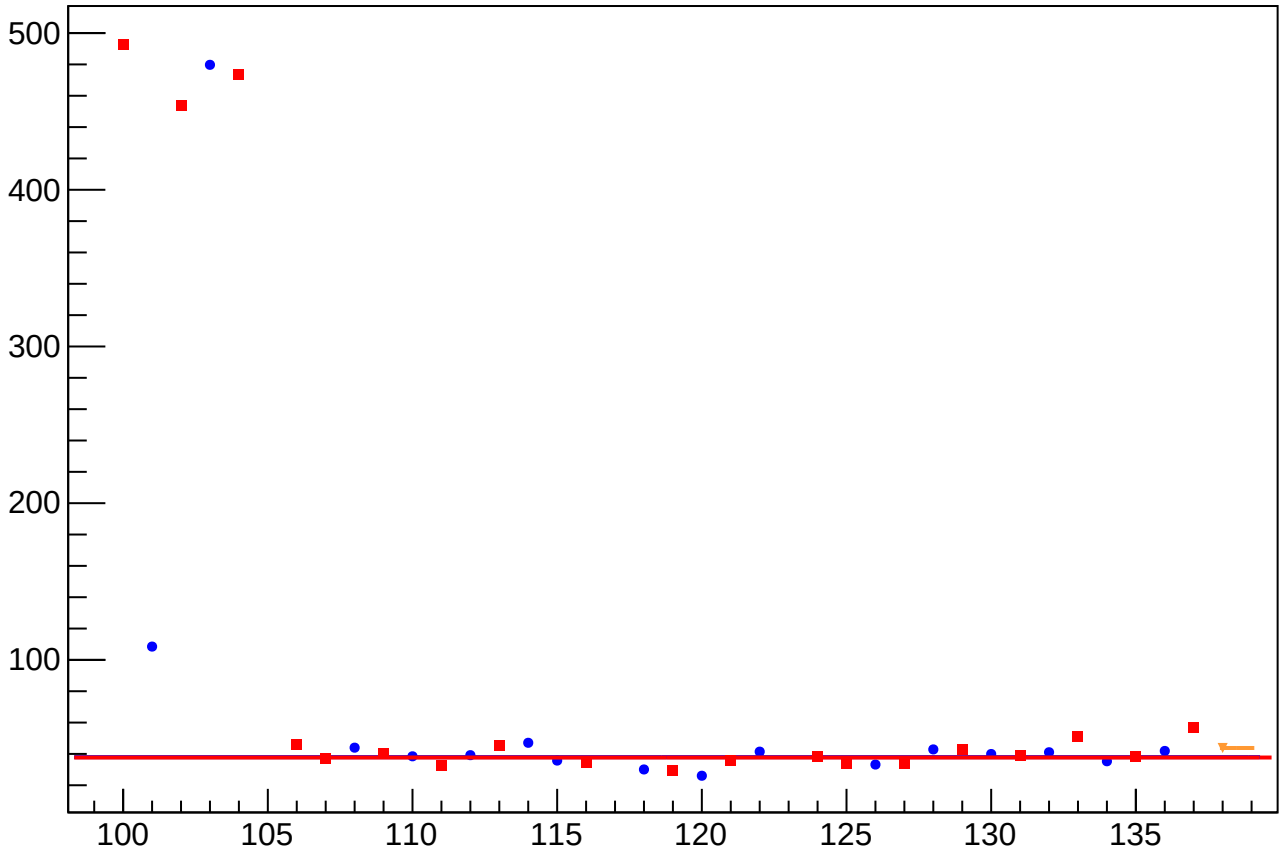
Left: 0.015+/-0.053 χ^2/NDF: 0.0/0

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.014+/-0.016 χ^2/NDF:22.0/15

Out: 0.006+/-0.015 χ^2/NDF:14.9/19

All: 0.010+/-0.011 χ^2/NDF: 37.1/35



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 43.777+/-0.037 χ^2/NDF:0.0/0

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

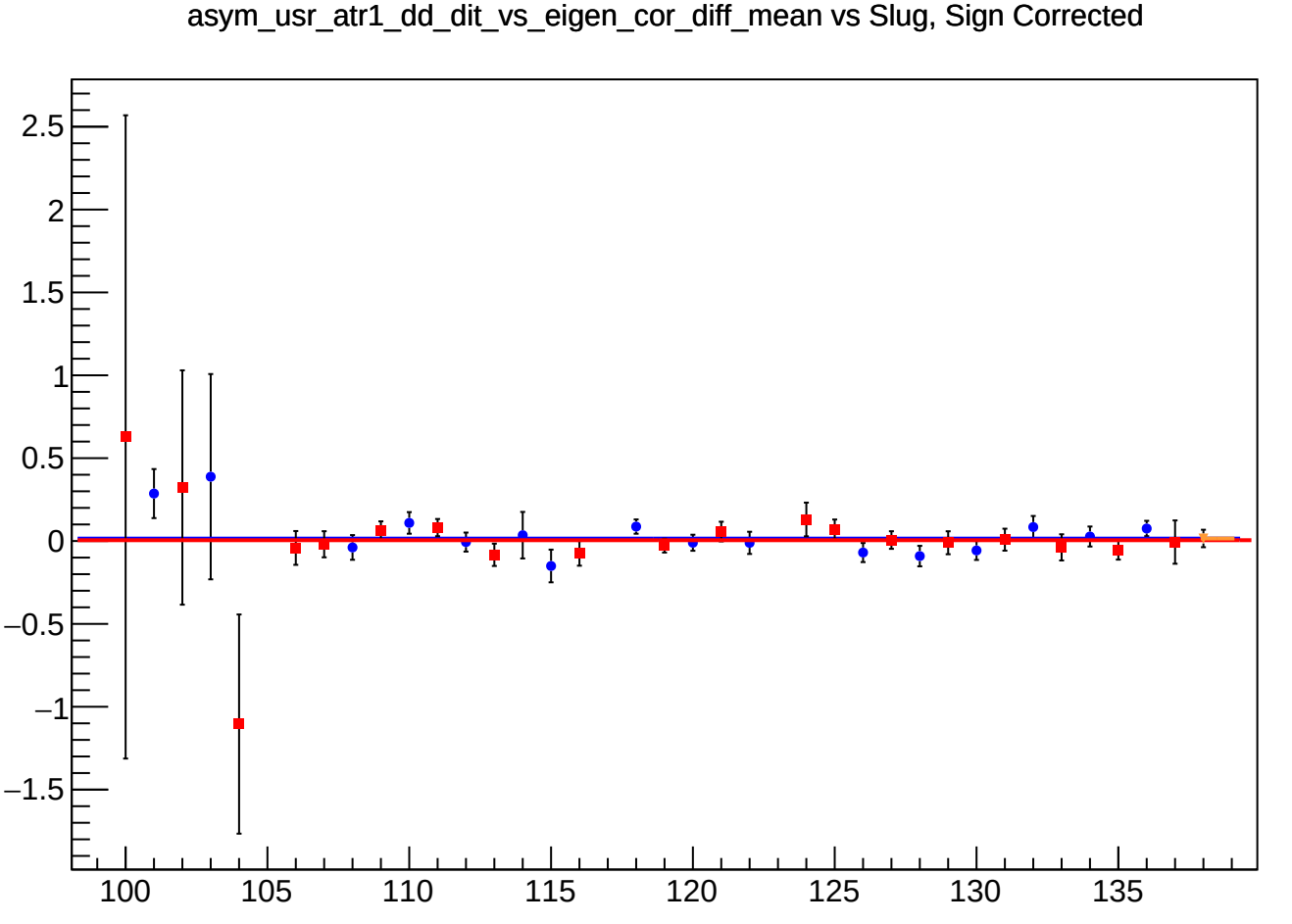
Left: 43.777+/-0.037 χ^2/NDF: 0.0/0

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.942+/-0.011 χ^2/NDF:1739669.4/15

Out: 38.210+/-0.011 χ^2/NDF:1969181.2/19

All: 38.081+/-0.008 χ^2/NDF: 3709144.0/35



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.015+/-0.053 χ^2/NDF:0.0/0

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

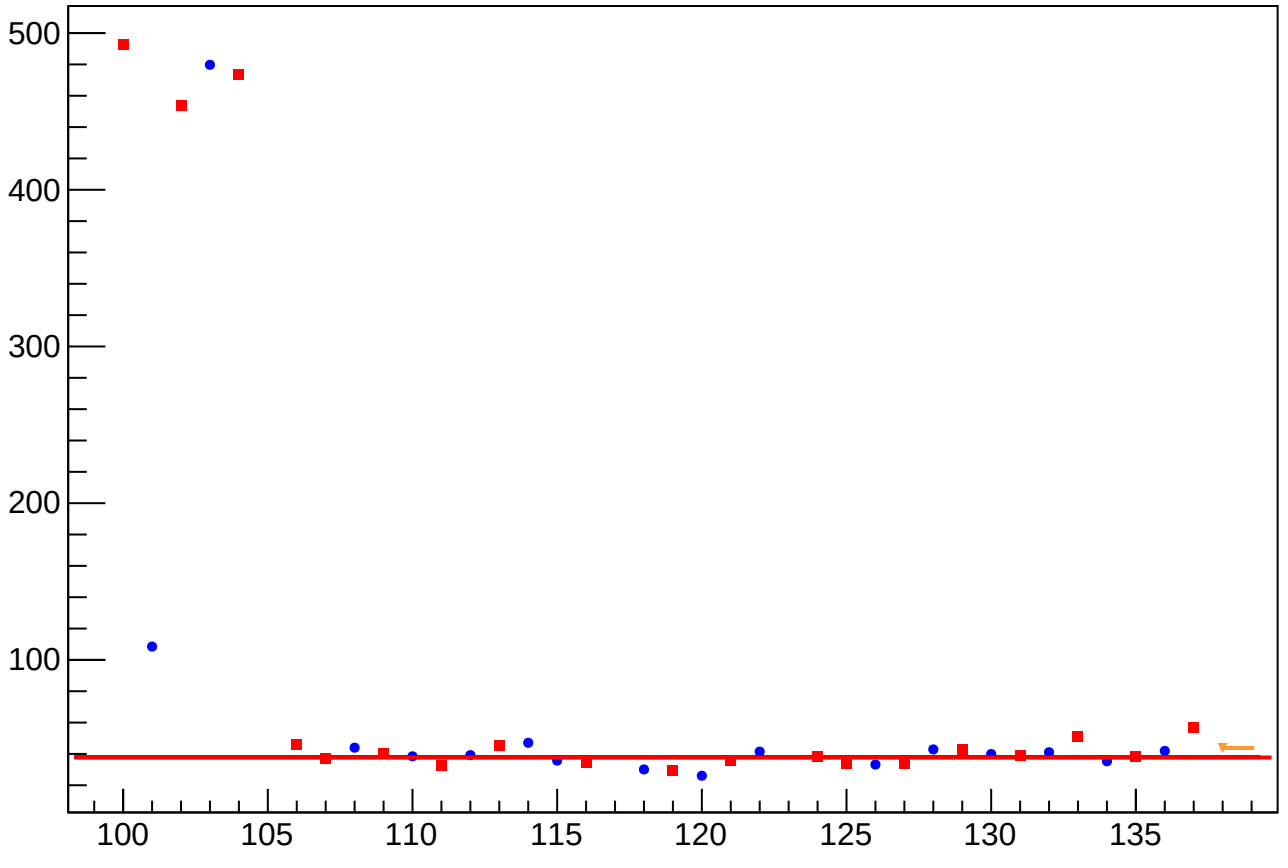
Left: 0.015+/-0.053 χ^2/NDF: 0.0/0

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.014+/-0.016 χ^2/NDF:22.0/15

Out: 0.006+/-0.015 χ^2/NDF:14.9/19

All: 0.010+/-0.011 χ^2/NDF: 37.1/35



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 43.777+/-0.037 χ^2/NDF:0.0/0

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

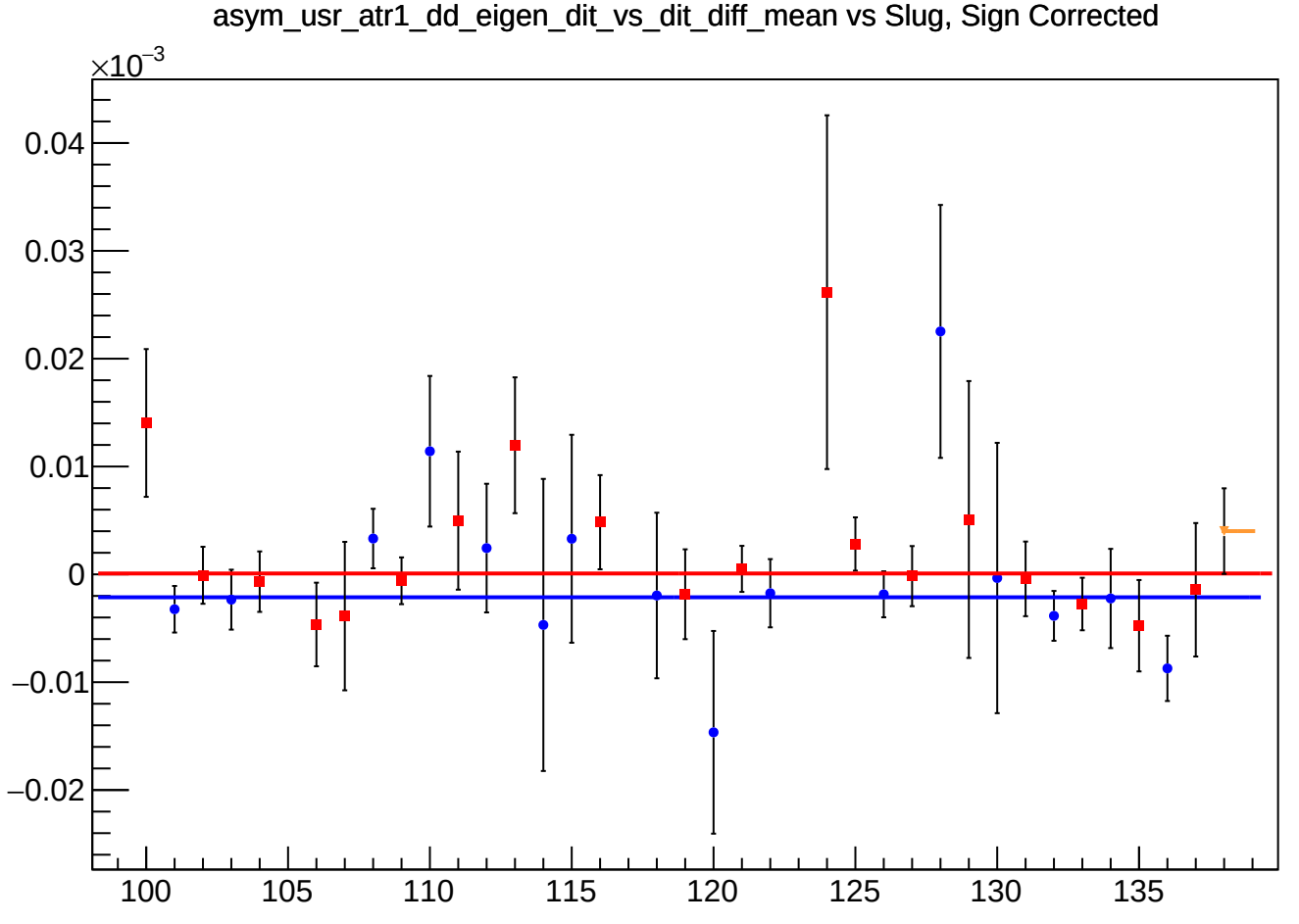
Left: 43.777+/-0.037 χ^2/NDF: 0.0/0

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.942+/-0.011 χ^2/NDF:1739669.4/15

Out: 38.210+/-0.011 χ^2/NDF:1969181.2/19

All: 38.081+/-0.008 χ^2/NDF: 3709144.0/35



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

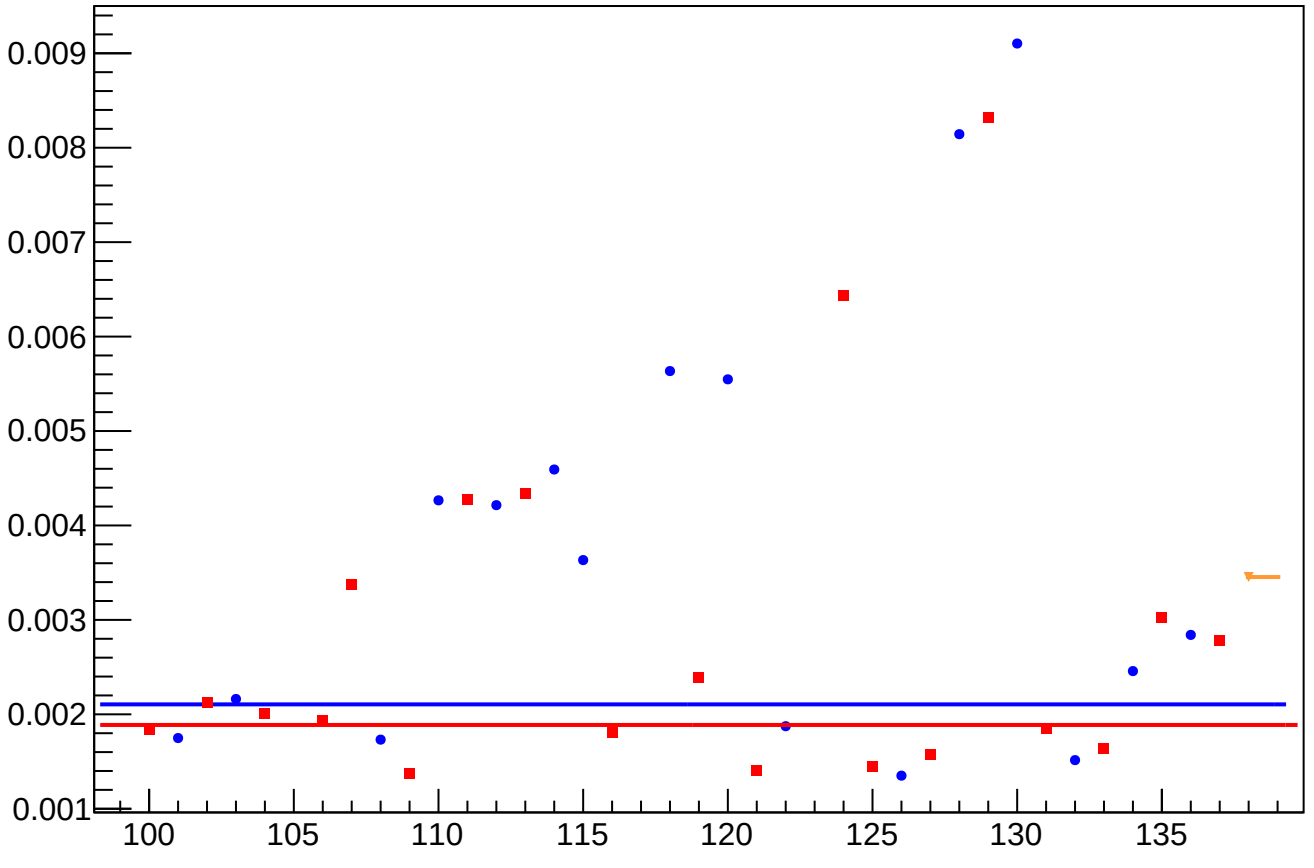
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:20.4/15

Out: 0.000+/-0.000 χ^2/NDF:19.3/19

All: -0.000+/-0.000 χ^2/NDF: 43.7/35



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

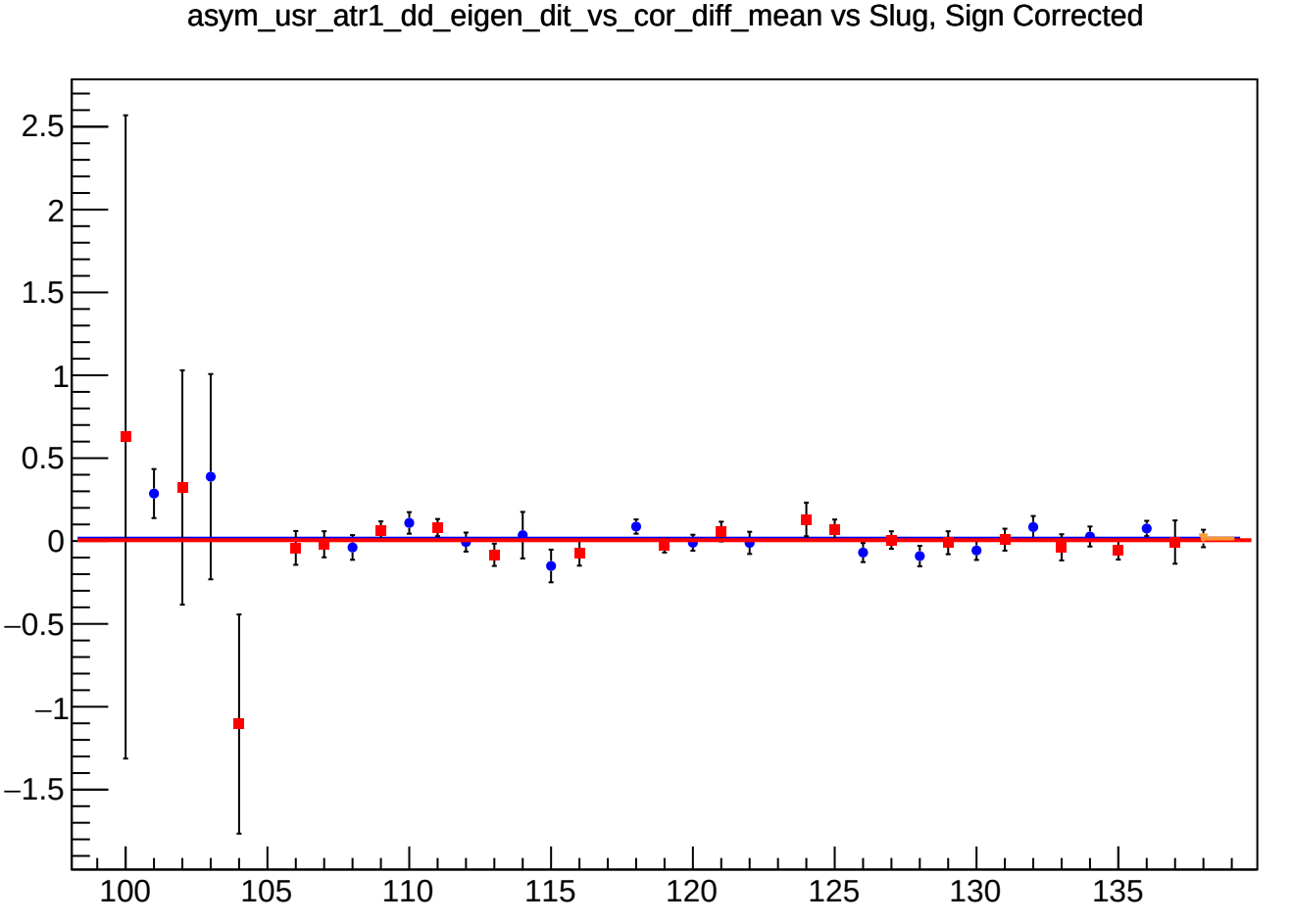
Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:3017568.9/15

Out: 0.002+/-0.000 χ^2/NDF:2191749.3/19

All: 0.002+/-0.000 χ^2/NDF: 5245156.1/35



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.015+/-0.053 χ^2/NDF:0.0/0

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

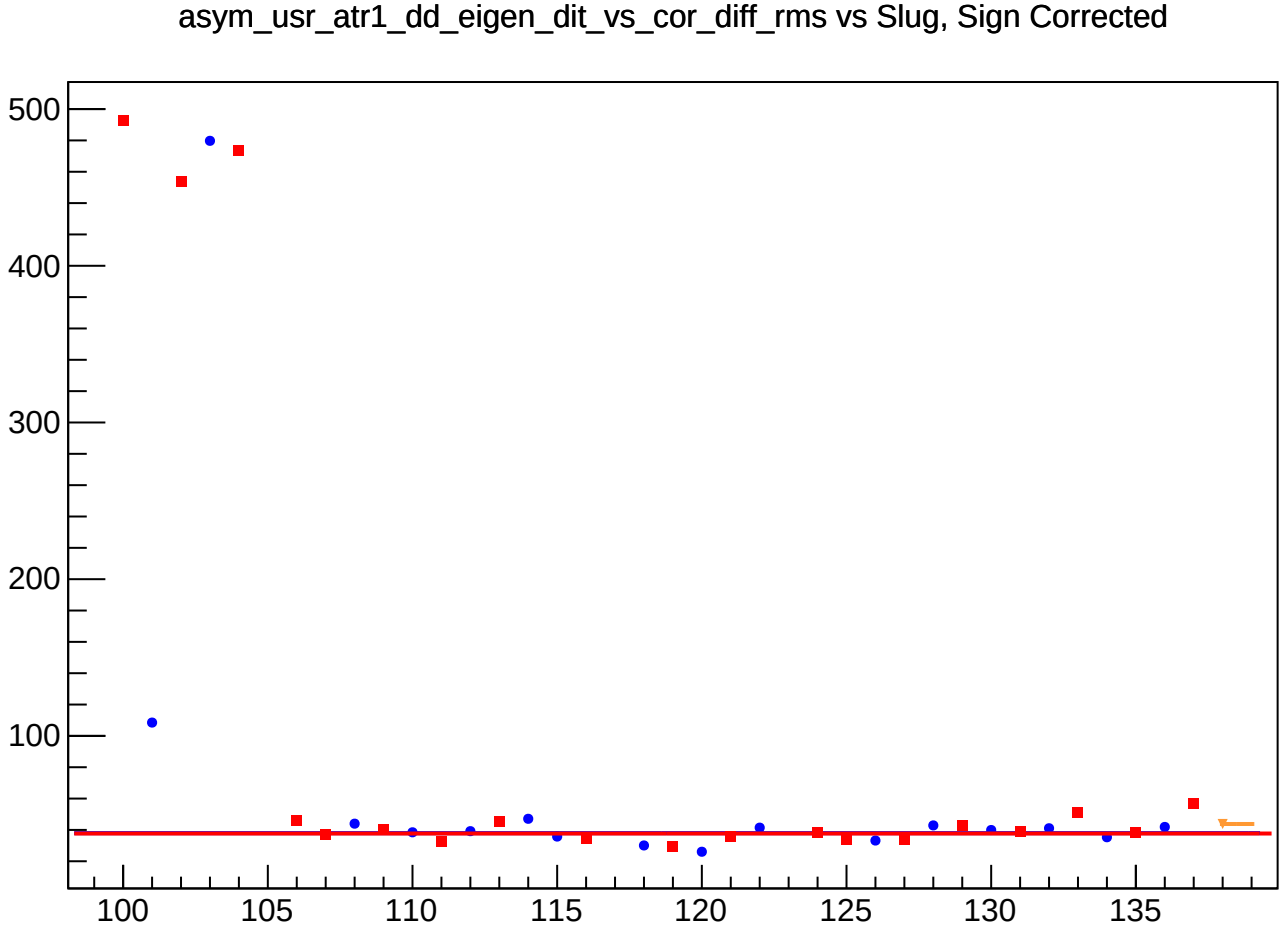
Left: 0.015+/-0.053 χ^2/NDF: 0.0/0

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.014+/-0.016 χ^2/NDF:22.0/15

Out: 0.006+/-0.015 χ^2/NDF:14.9/19

All: 0.010+/-0.011 χ^2/NDF: 37.1/35



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 43.779+/-0.037 χ^2/NDF:0.0/0

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

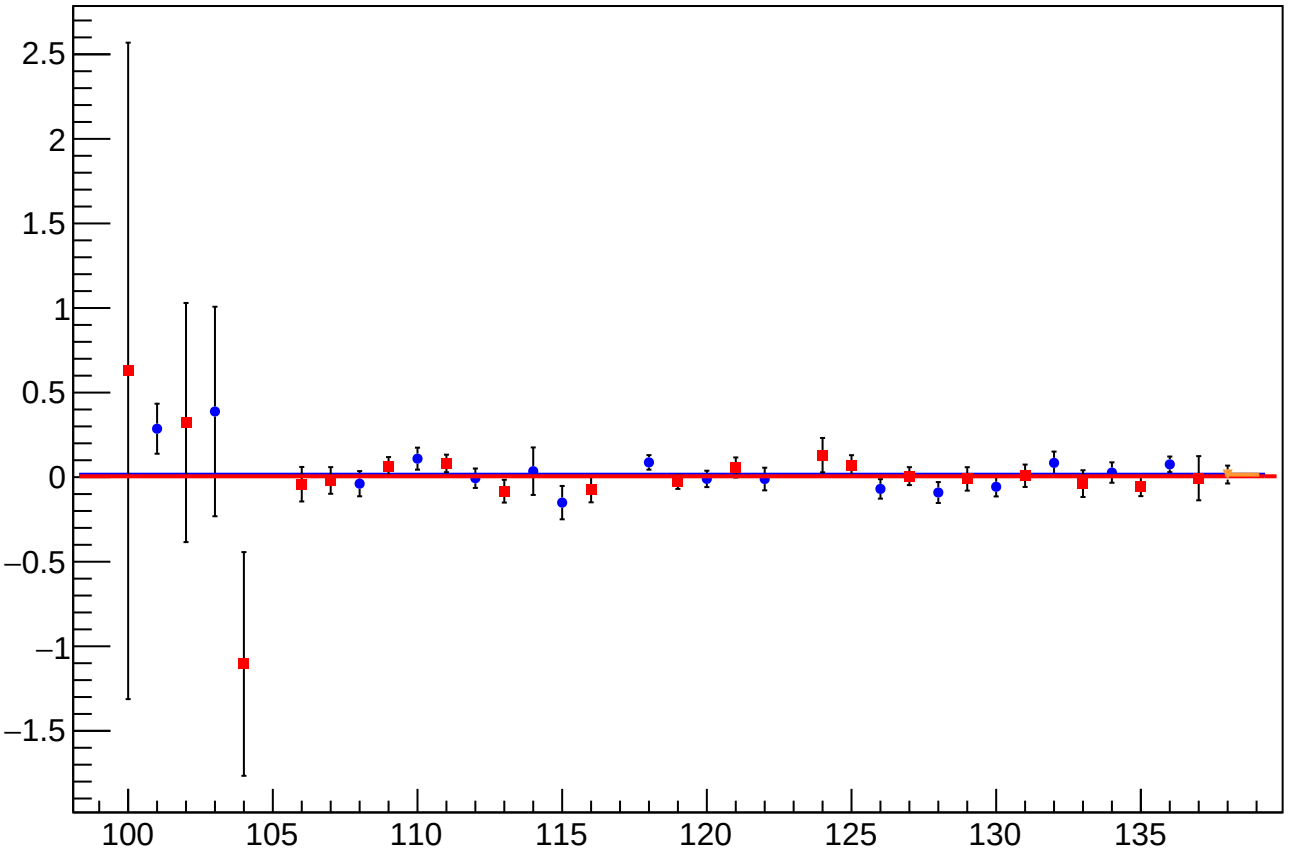
Left: 43.779+/-0.037 χ^2/NDF: 0.0/0

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

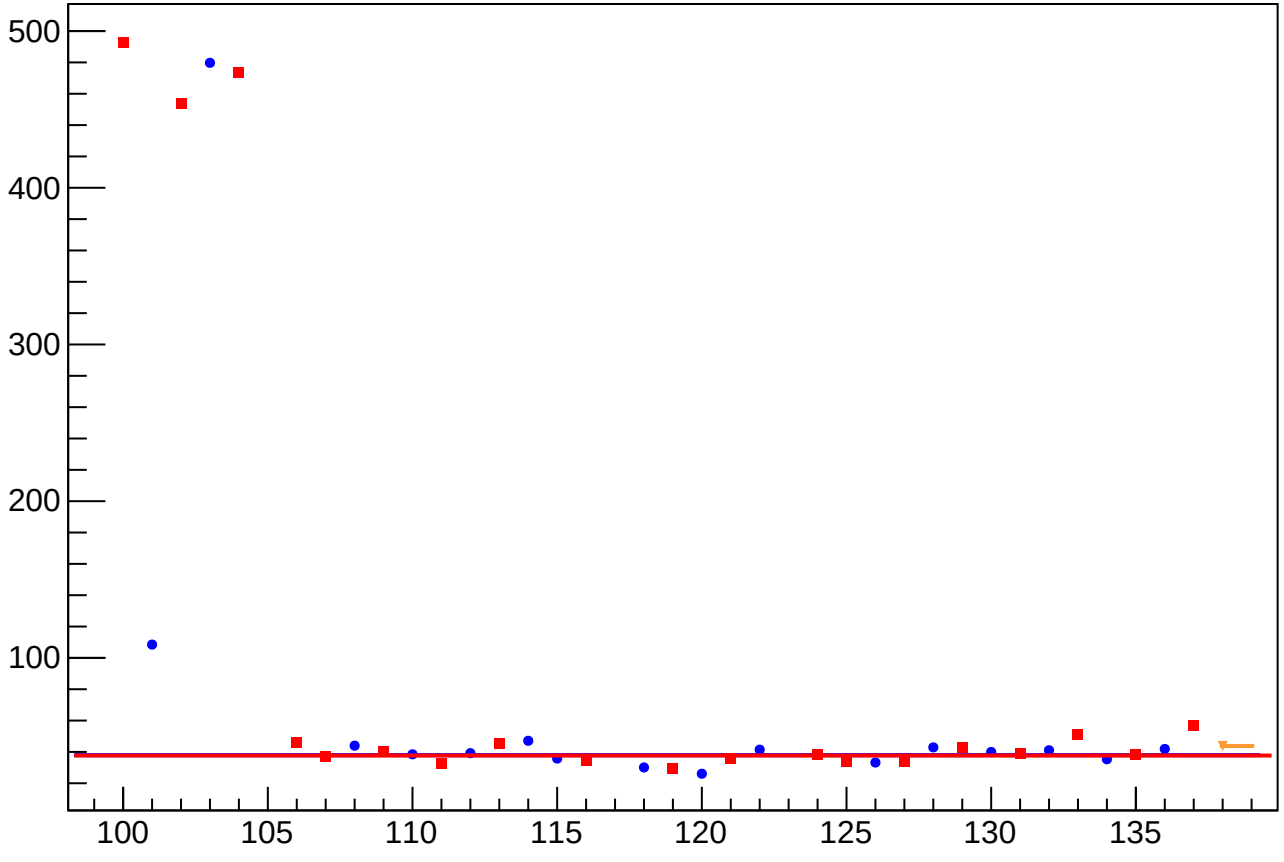
In: 37.942+/-0.011 χ^2/NDF:1739681.1/15

Out: 38.209+/-0.011 χ^2/NDF:1969275.7/19

All: 38.080+/-0.008 χ^2/NDF: 3709249.1/35


asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
105
110
115
120
125
130
135
Right In: 0.014+/-0.016 χ²/NDF: 22.0/15
Left Out: 0.015+/-0.053 χ²/NDF:0.0/0
Right Out: 0.005+/-0.016 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.015+/-0.053 χ²/NDF: 0.0/0
Right: 0.010+/-0.011 χ²/NDF: 37.1/34
In: 0.014+/-0.016 χ²/NDF:22.0/15
Out: 0.006+/-0.015 χ²/NDF:14.9/19
All: 0.010+/-0.011 χ²/NDF: 37.1/35

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: 43.779+/-0.037 χ^2/NDF:0.0/0

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

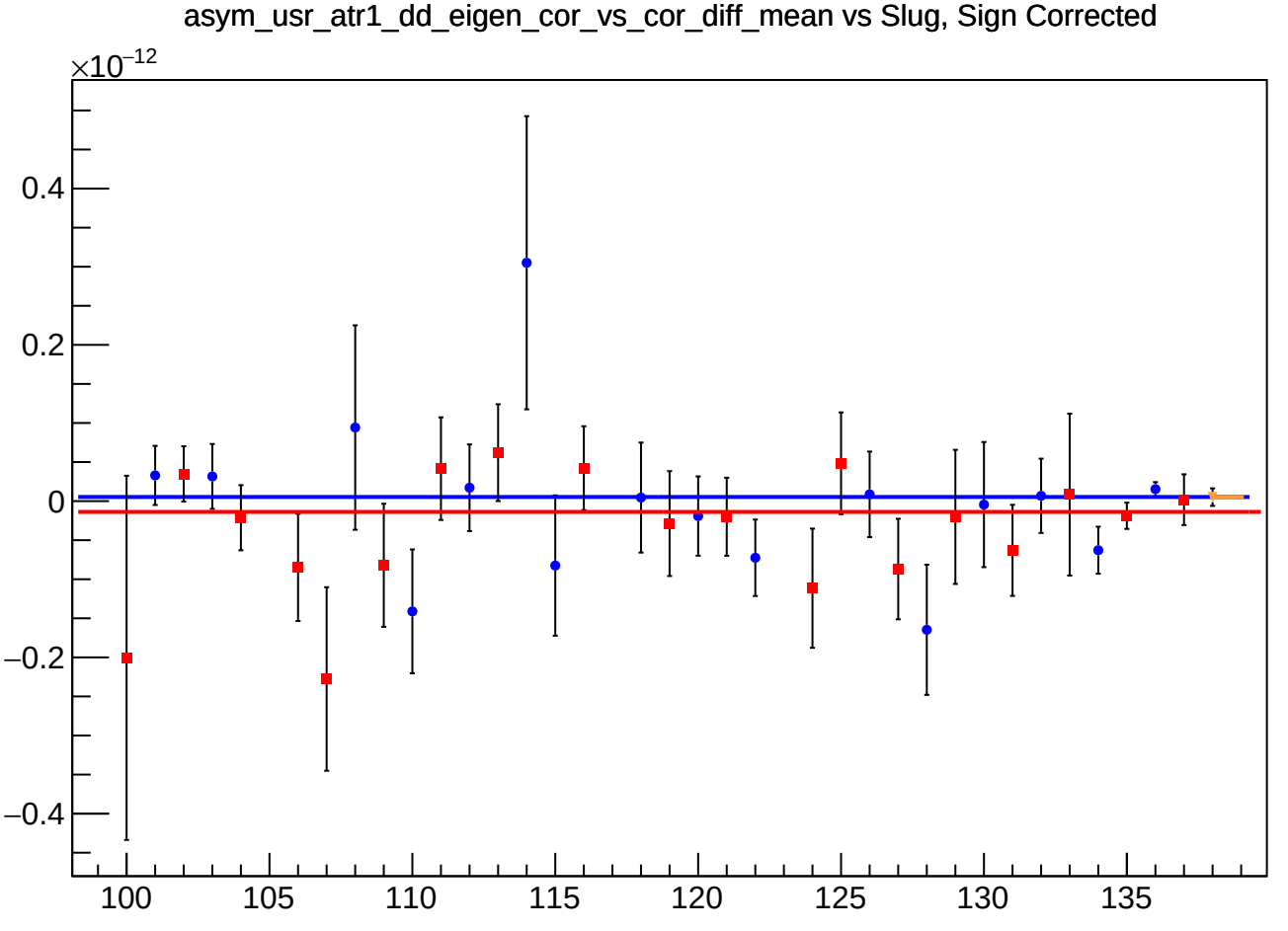
Left: 43.779+/-0.037 χ^2/NDF: 0.0/0

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.942+/-0.011 χ^2/NDF:1739681.1/15

Out: 38.209+/-0.011 χ^2/NDF:1969275.7/19

All: 38.080+/-0.008 χ^2/NDF: 3709249.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

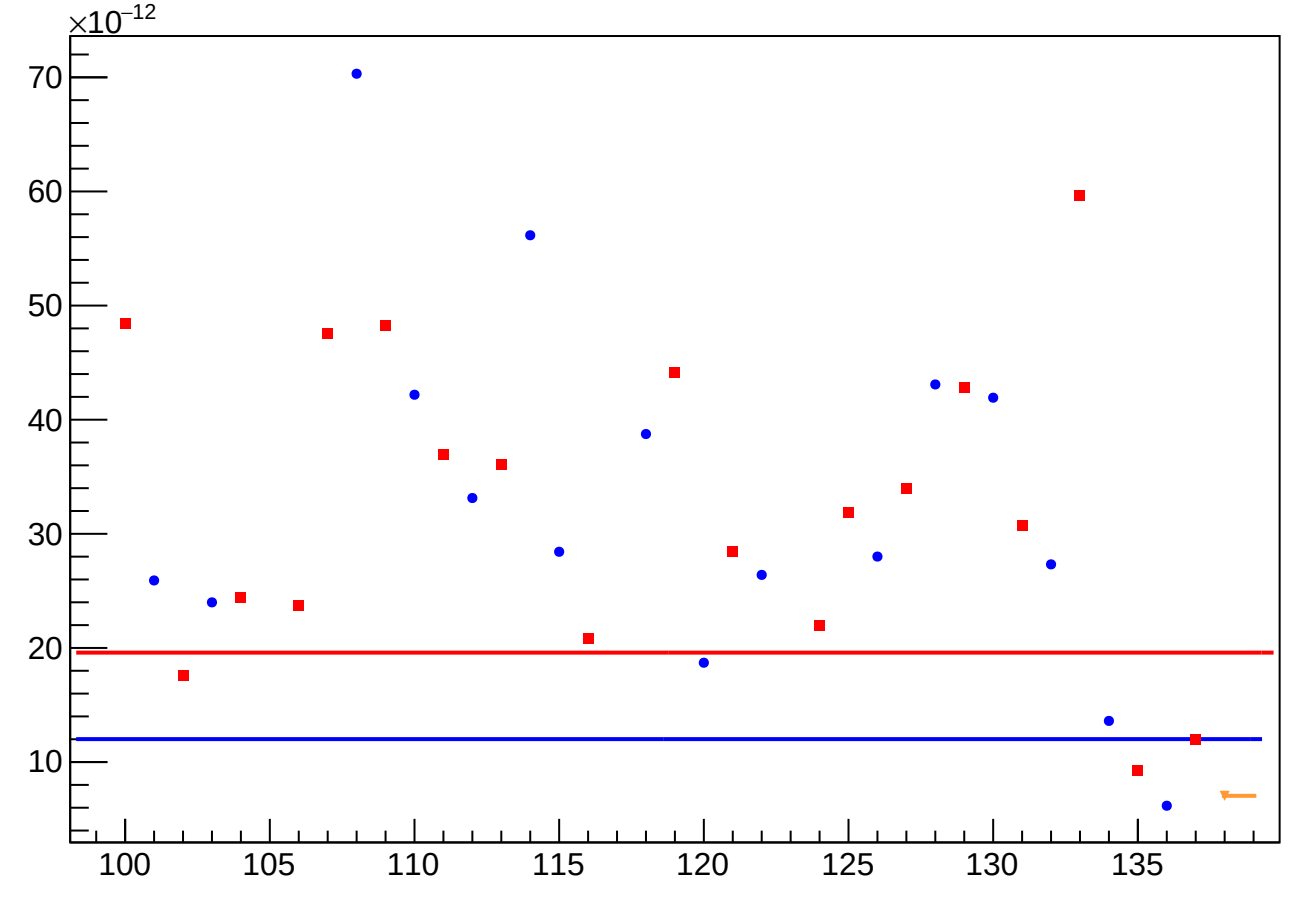
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:21.7/15

Out: -0.000+/-0.000 χ^2/NDF:17.5/19

All: 0.000+/-0.000 χ^2/NDF: 40.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

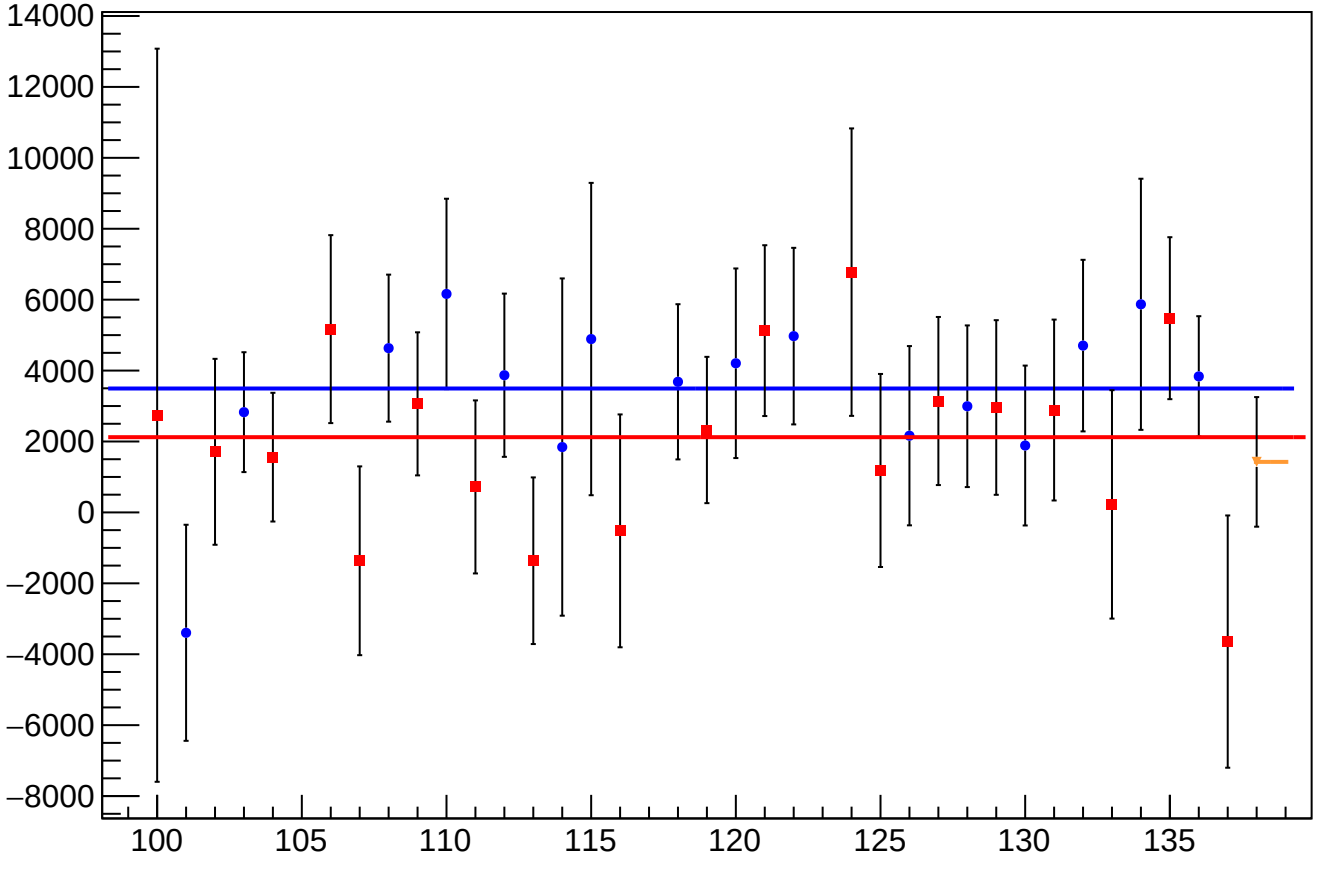
Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:3869196.1/15

Out: 0.000+/-0.000 χ^2/NDF:3946081.8/19

All: 0.000+/-0.000 χ^2/NDF: 7864171.7/35

reg_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1424.883+/-1827.688 χ^2/NDF:0.0/0

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1424.883+/-1827.688 χ^2/NDF: 0.0/0

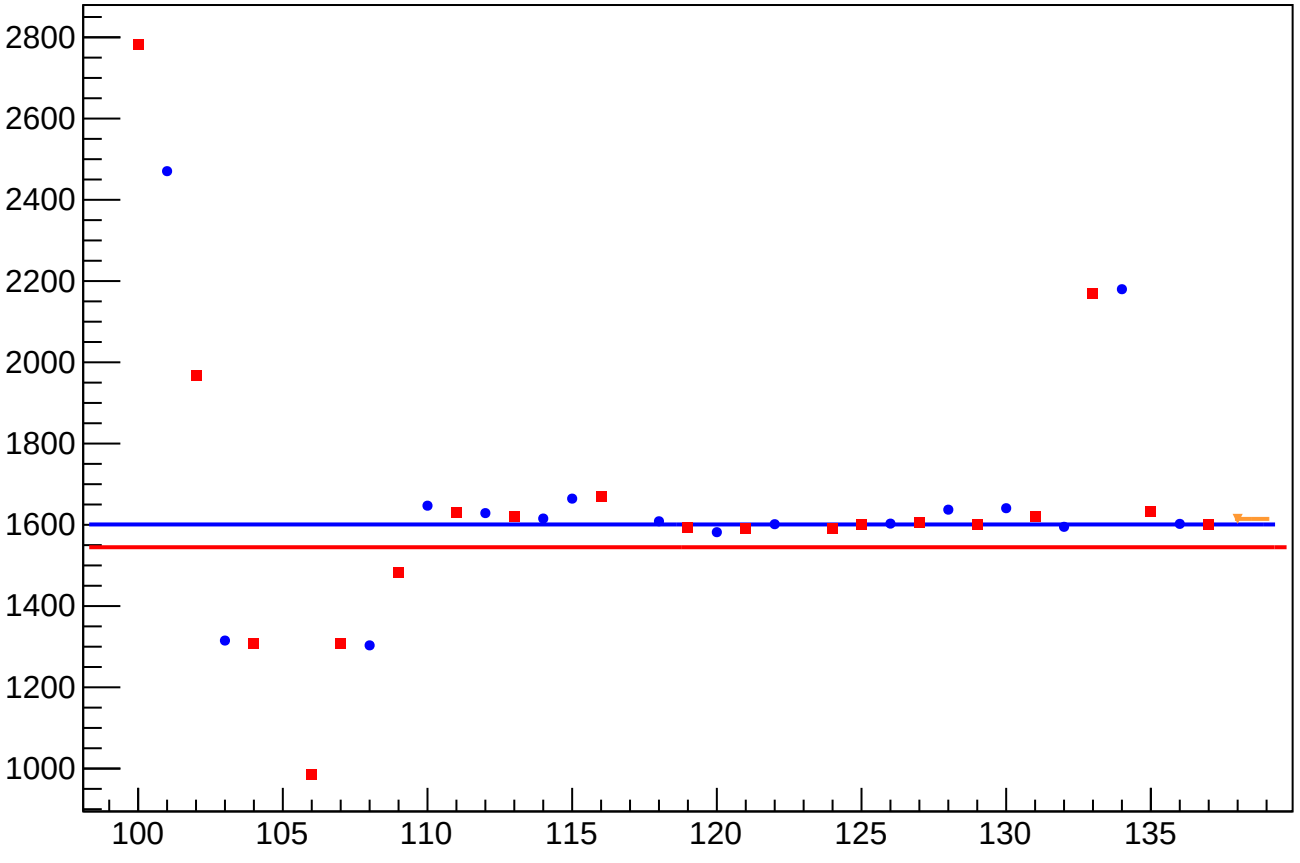
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3494.380+/-601.185 χ^2/NDF:8.8/15

Out: 2056.435+/-559.415 χ^2/NDF:15.2/19

All: 2723.723+/-409.537 χ^2/NDF: 27.1/35

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1614.567+/-1.292 χ^2/NDF:0.0/0

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

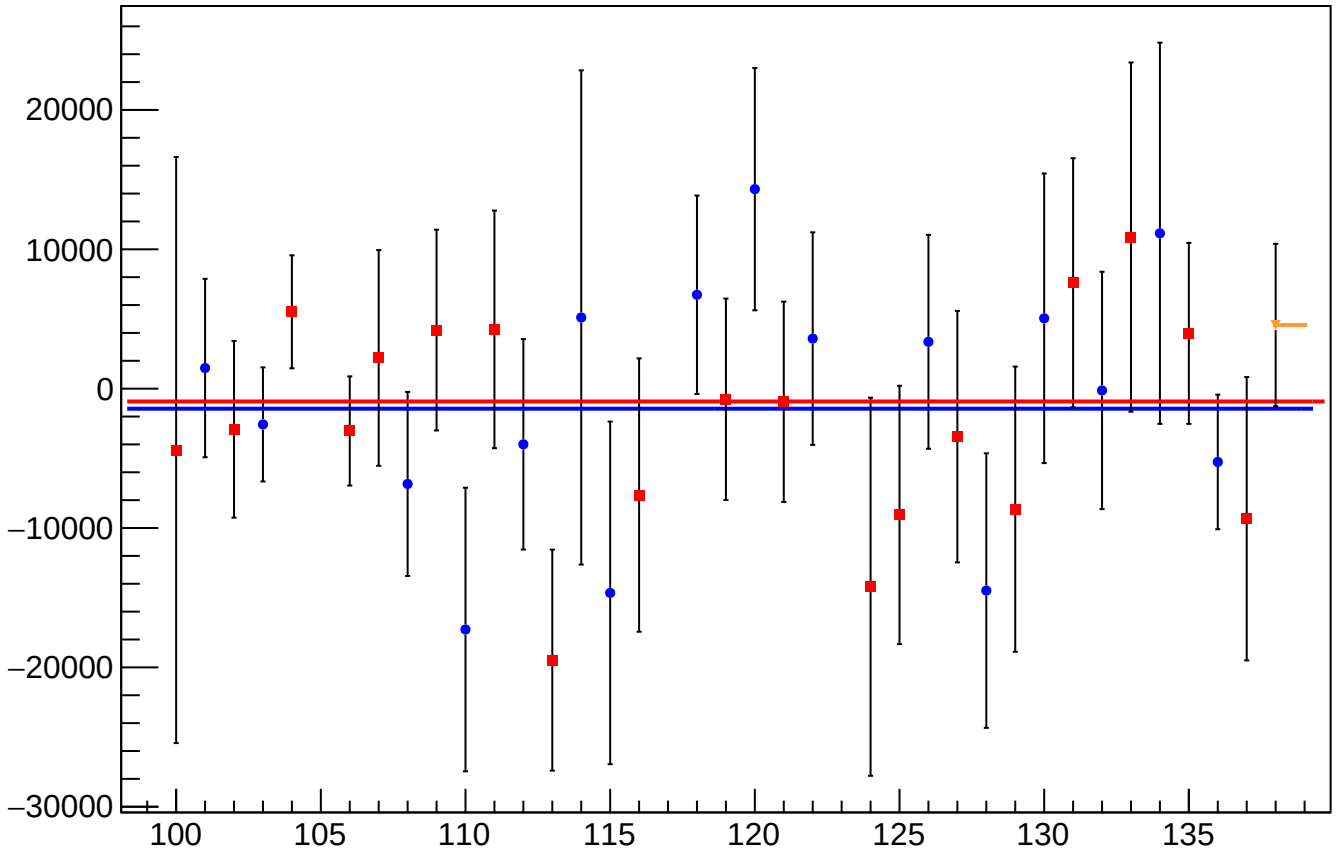
Left: 1614.567+/-1.292 χ^2/NDF: 0.0/0

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1600.880+/-0.425 χ^2/NDF:317414.0/15

Out: 1551.148+/-0.390 χ^2/NDF:378776.2/19

All: 1573.849+/-0.287 χ^2/NDF: 703629.0/35



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 4565.351+/-5828.794 χ^2/NDF:0.0/0

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

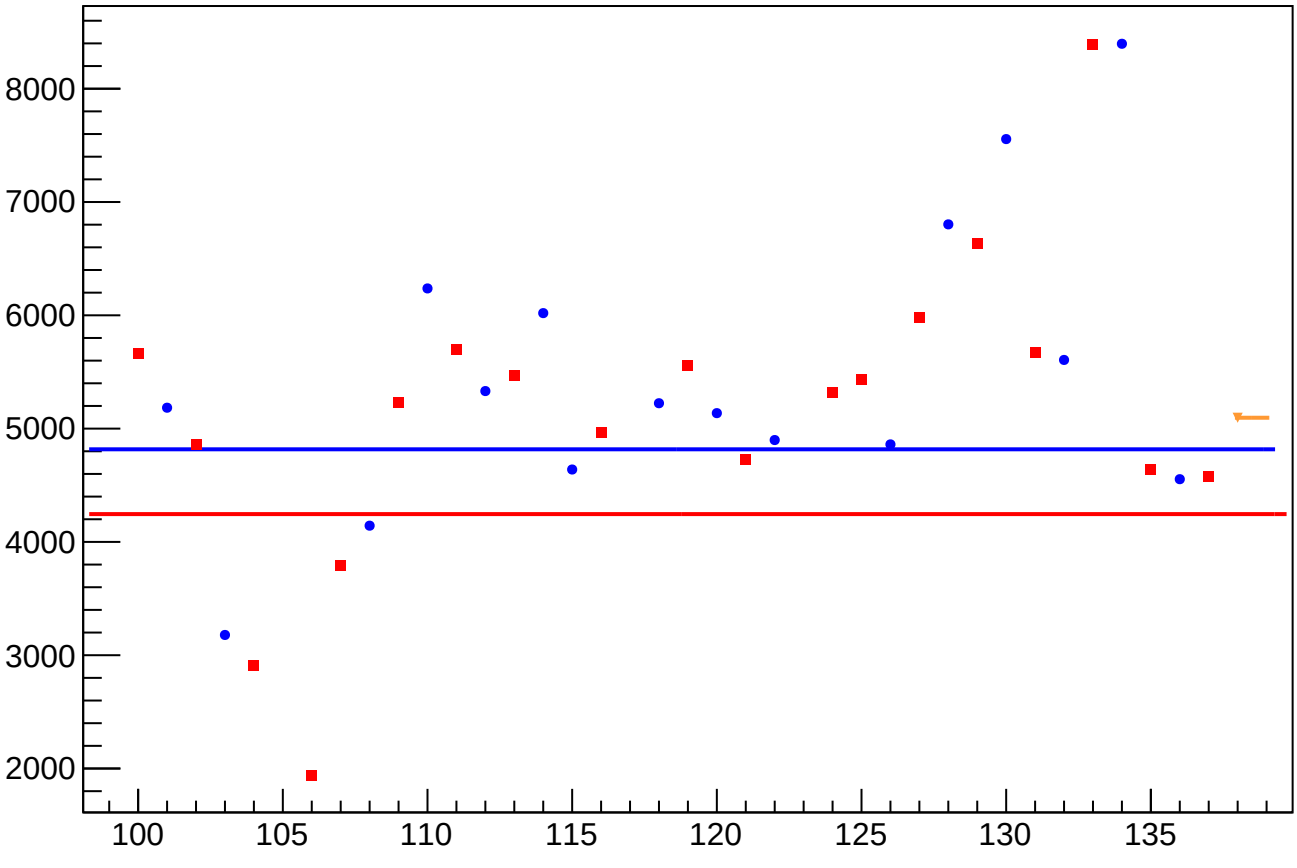
Left: 4565.351+/-5828.794 χ^2/NDF: 0.0/0

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -1437.118+/-1848.287 χ^2/NDF:13.9/15

Out: -502.814+/-1604.766 χ^2/NDF:16.2/19

All: -904.402+/-1211.757 χ^2/NDF: 30.2/35



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 5095.964+/-4.122 χ^2/NDF:0.0/0

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

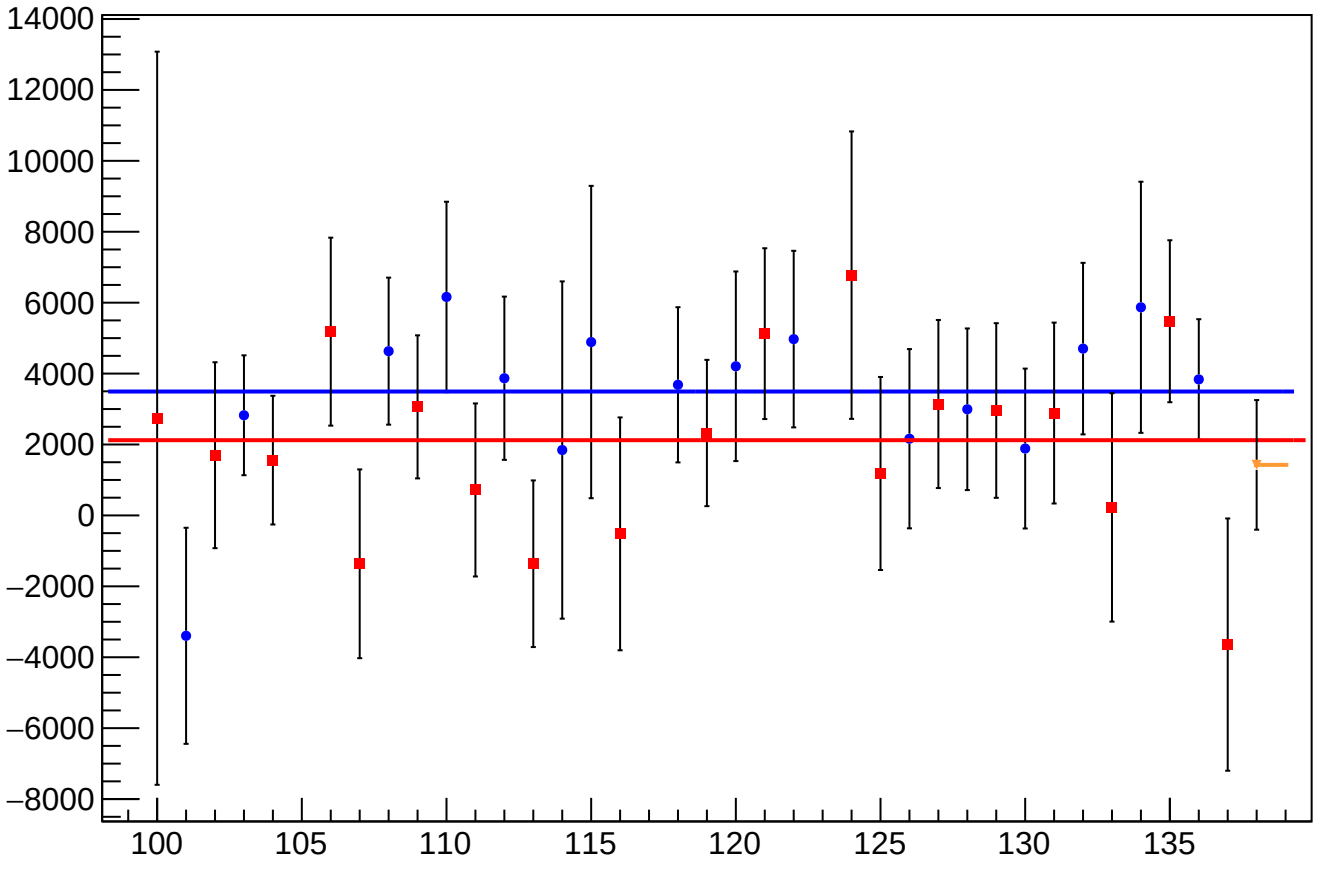
Left: 5095.964+/-4.122 χ^2/NDF: 0.0/0

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4817.344+/-1.307 χ^2/NDF:795431.1/15

Out: 4309.995+/-1.135 χ^2/NDF:1722506.7/19

All: 4528.067+/-0.857 χ^2/NDF: 2603861.2/35



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1424.917+/-1827.688 χ^2/NDF:0.0/0

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

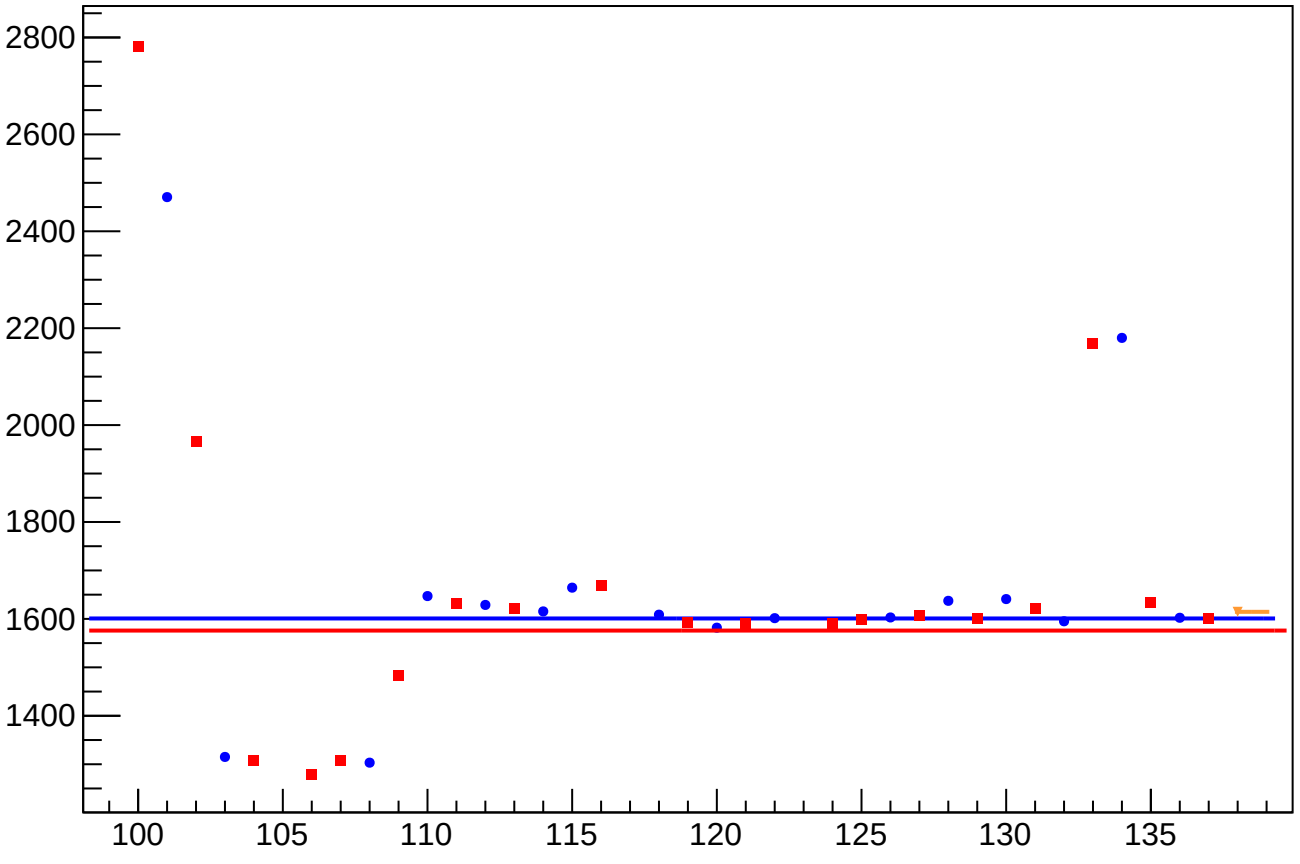
Left: 1424.917+/-1827.688 χ^2/NDF: 0.0/0

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3494.046+/-601.185 χ^2/NDF:8.8/15

Out: 2056.429+/-559.417 χ^2/NDF:15.2/19

All: 2723.568+/-409.538 χ^2/NDF: 27.1/35



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1614.567+/-1.292 χ^2/NDF:0.0/0

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

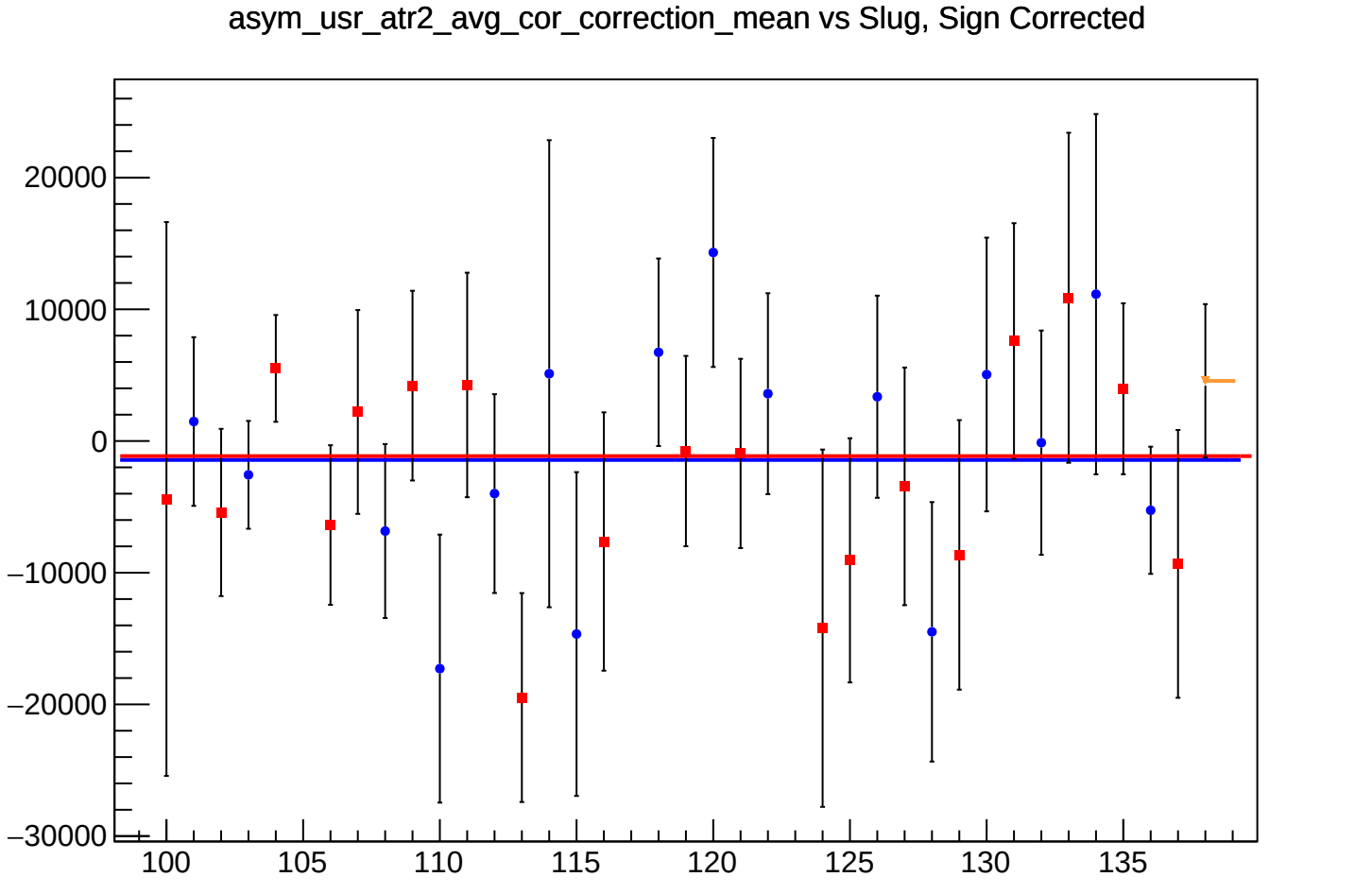
Left: 1614.567+/-1.292 χ^2/NDF: 0.0/0

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1600.880+/-0.425 χ^2/NDF:317413.1/15

Out: 1579.497+/-0.394 χ^2/NDF:244143.9/19

All: 1589.382+/-0.289 χ^2/NDF: 562917.5/35



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 4565.429+/-5828.787 χ^2/NDF:0.0/0

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

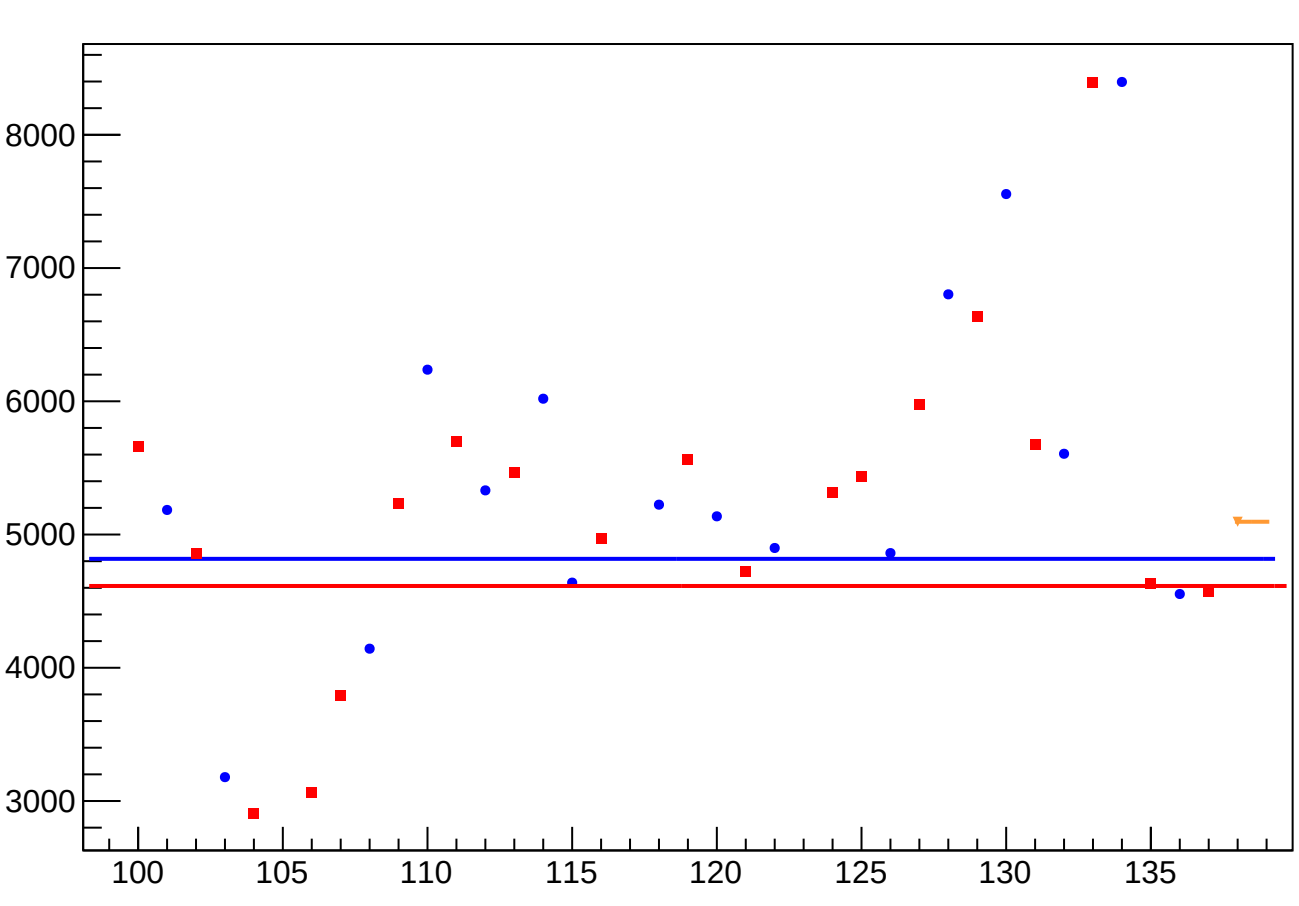
Left: 4565.429+/-5828.787 χ^2/NDF: 0.0/0

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -1437.362+/-1848.324 χ^2/NDF:13.9/15

Out: -666.260+/-1689.589 χ^2/NDF:17.1/19

All: -1017.284+/-1247.069 χ^2/NDF: 31.1/35



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5095.958+/-4.122 χ^2/NDF:0.0/0

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

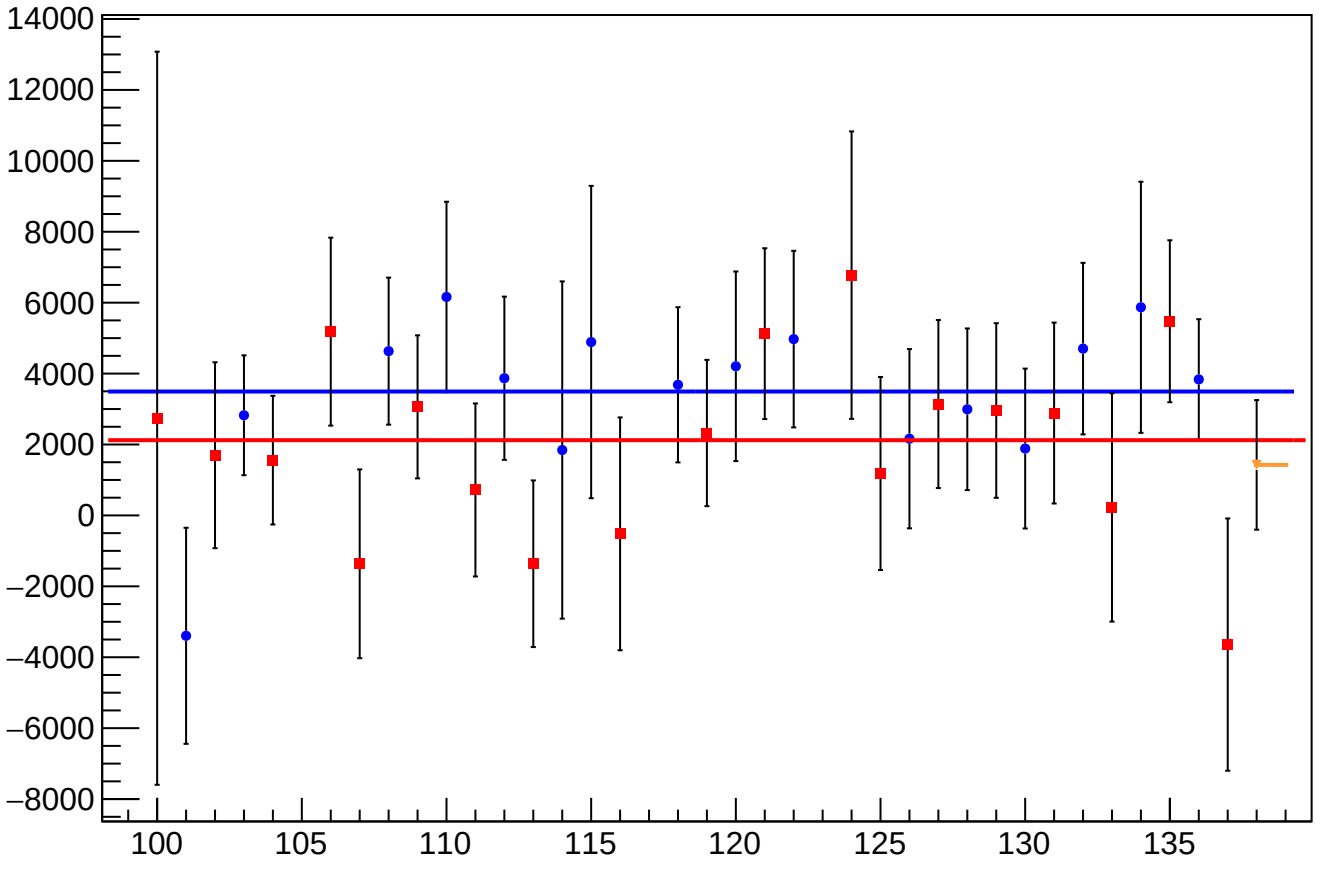
Left: 5095.958+/-4.122 χ^2/NDF: 0.0/0

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4817.480+/-1.307 χ^2/NDF:795233.3/15

Out: 4654.359+/-1.195 χ^2/NDF:990490.9/19

All: 4728.616+/-0.882 χ^2/NDF: 1794210.3/35



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1424.917+/-1827.688 χ^2/NDF:0.0/0

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

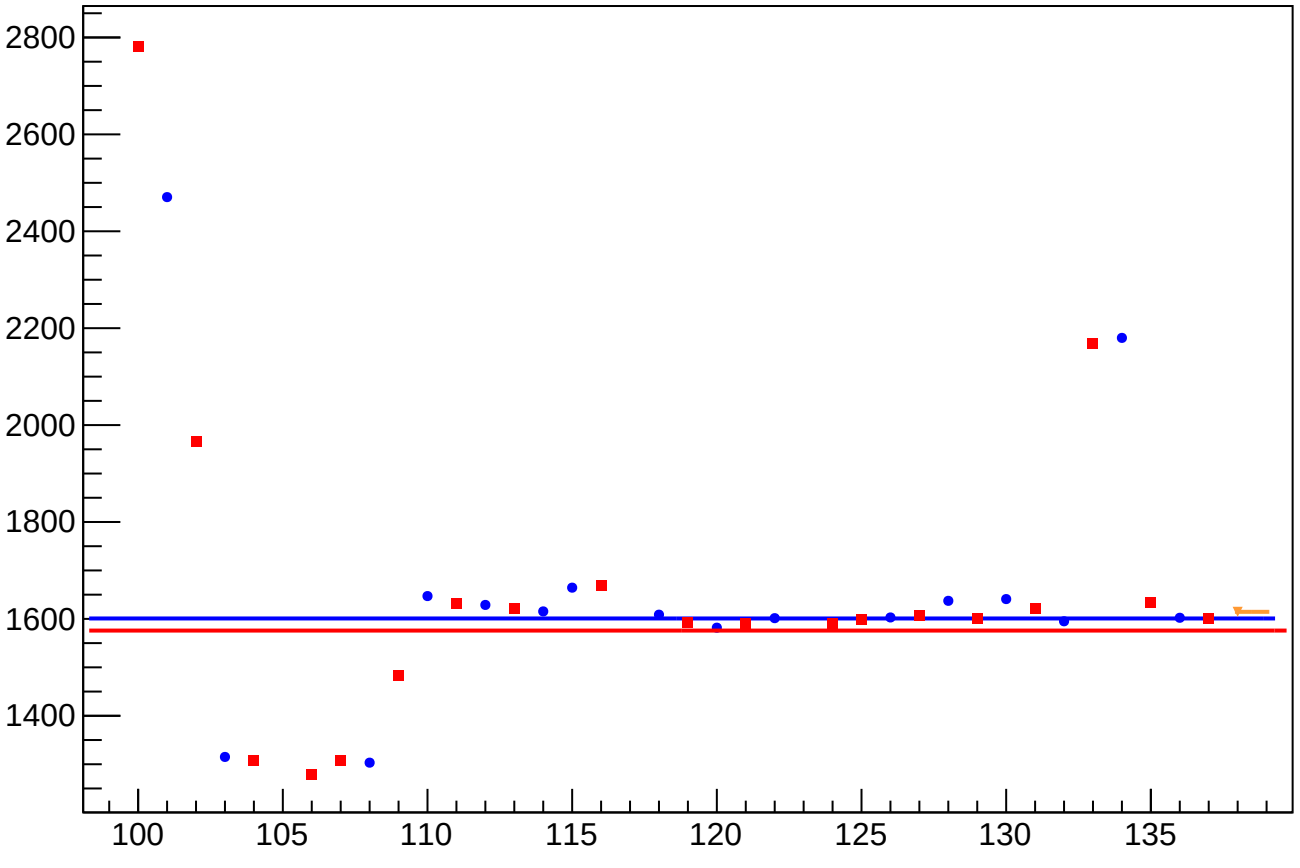
Left: 1424.917+/-1827.688 χ^2/NDF: 0.0/0

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3494.046+/-601.185 χ^2/NDF:8.8/15

Out: 2056.429+/-559.417 χ^2/NDF:15.2/19

All: 2723.568+/-409.538 χ^2/NDF: 27.1/35



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1614.567+/-1.292 χ^2/NDF:0.0/0

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

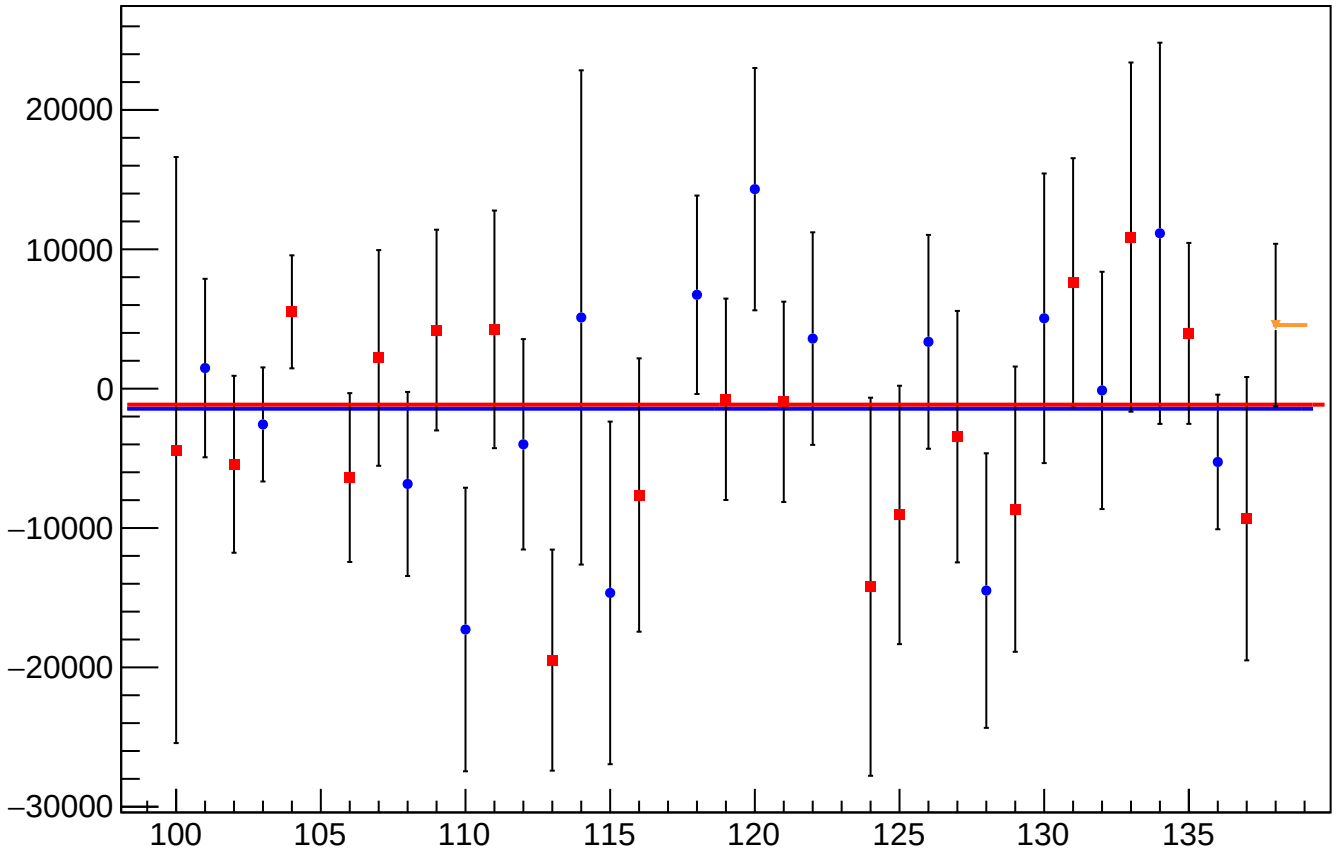
Left: 1614.567+/-1.292 χ^2/NDF: 0.0/0

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1600.880+/-0.425 χ^2/NDF:317413.1/15

Out: 1579.497+/-0.394 χ^2/NDF:244143.9/19

All: 1589.382+/-0.289 χ^2/NDF: 562917.5/35



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 4565.429+/-5828.787 χ^2/NDF:0.0/0

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

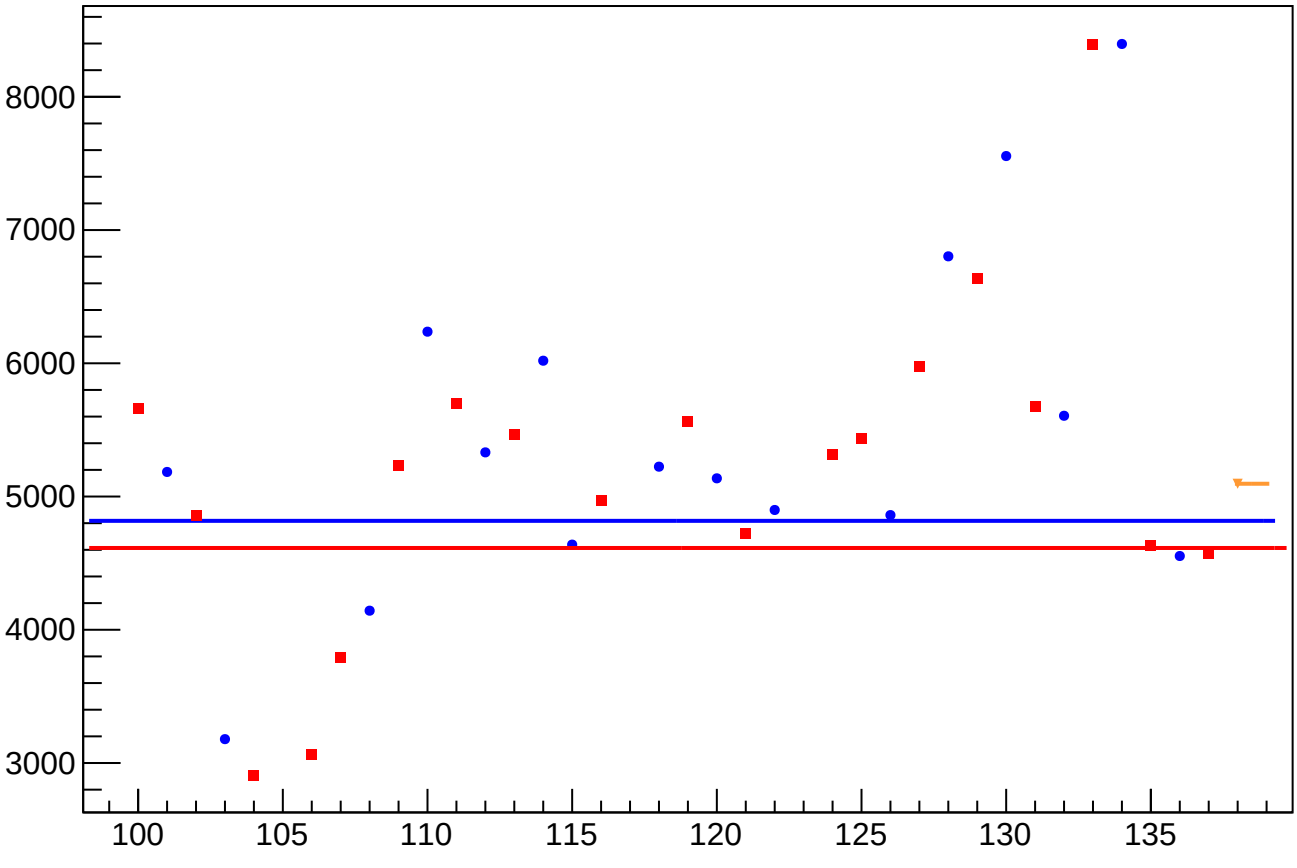
Left: 4565.429+/-5828.787 χ^2/NDF: 0.0/0

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -1437.362+/-1848.324 χ^2/NDF:13.9/15

Out: -666.260+/-1689.589 χ^2/NDF:17.1/19

All: -1017.284+/-1247.069 χ^2/NDF: 31.1/35



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5095.958+/-4.122 χ^2/NDF:0.0/0

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

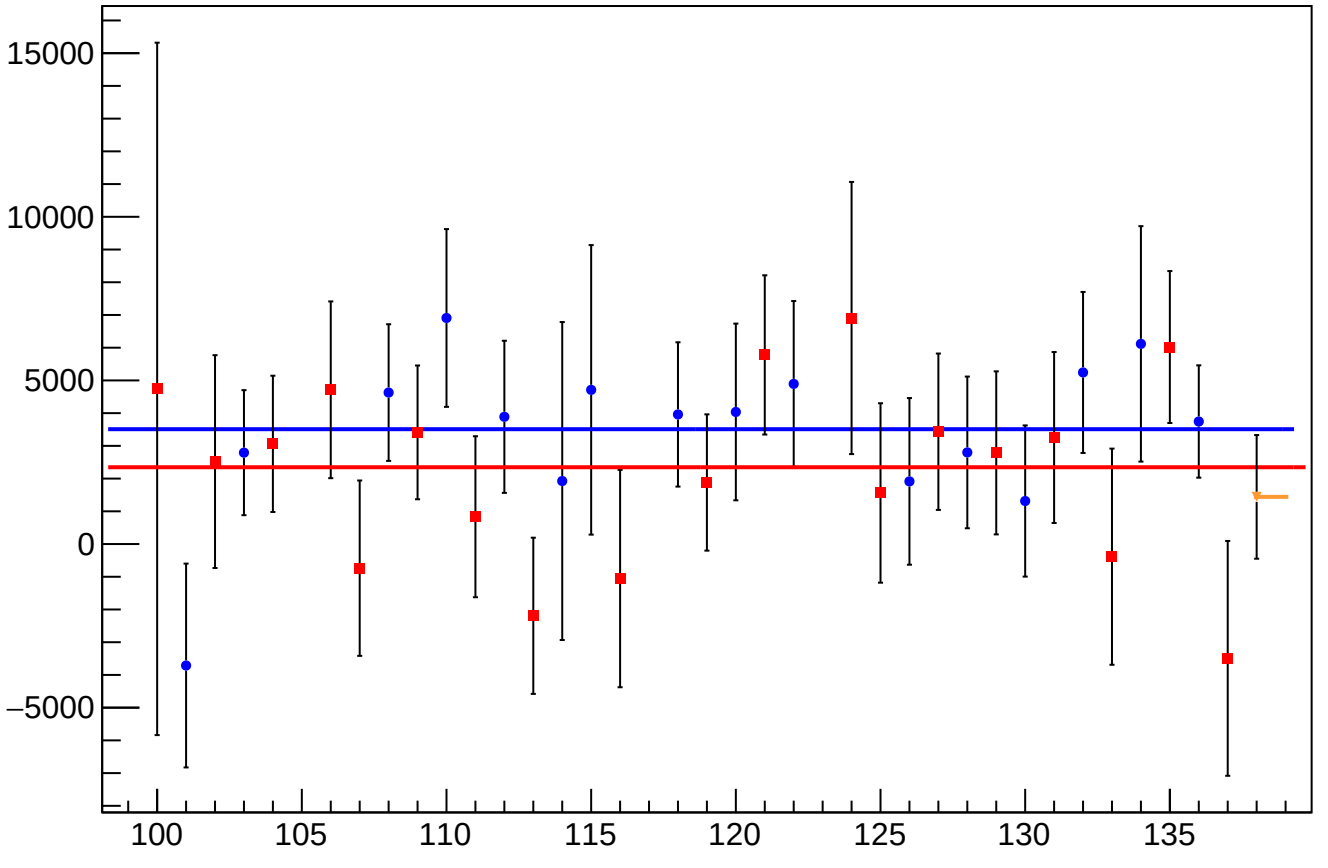
Left: 5095.958+/-4.122 χ^2/NDF: 0.0/0

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4817.480+/-1.307 χ^2/NDF:795233.3/15

Out: 4654.359+/-1.195 χ^2/NDF:990490.9/19

All: 4728.616+/-0.882 χ^2/NDF: 1794210.3/35



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1441.193+/-1889.466 χ^2/NDF:0.0/0

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

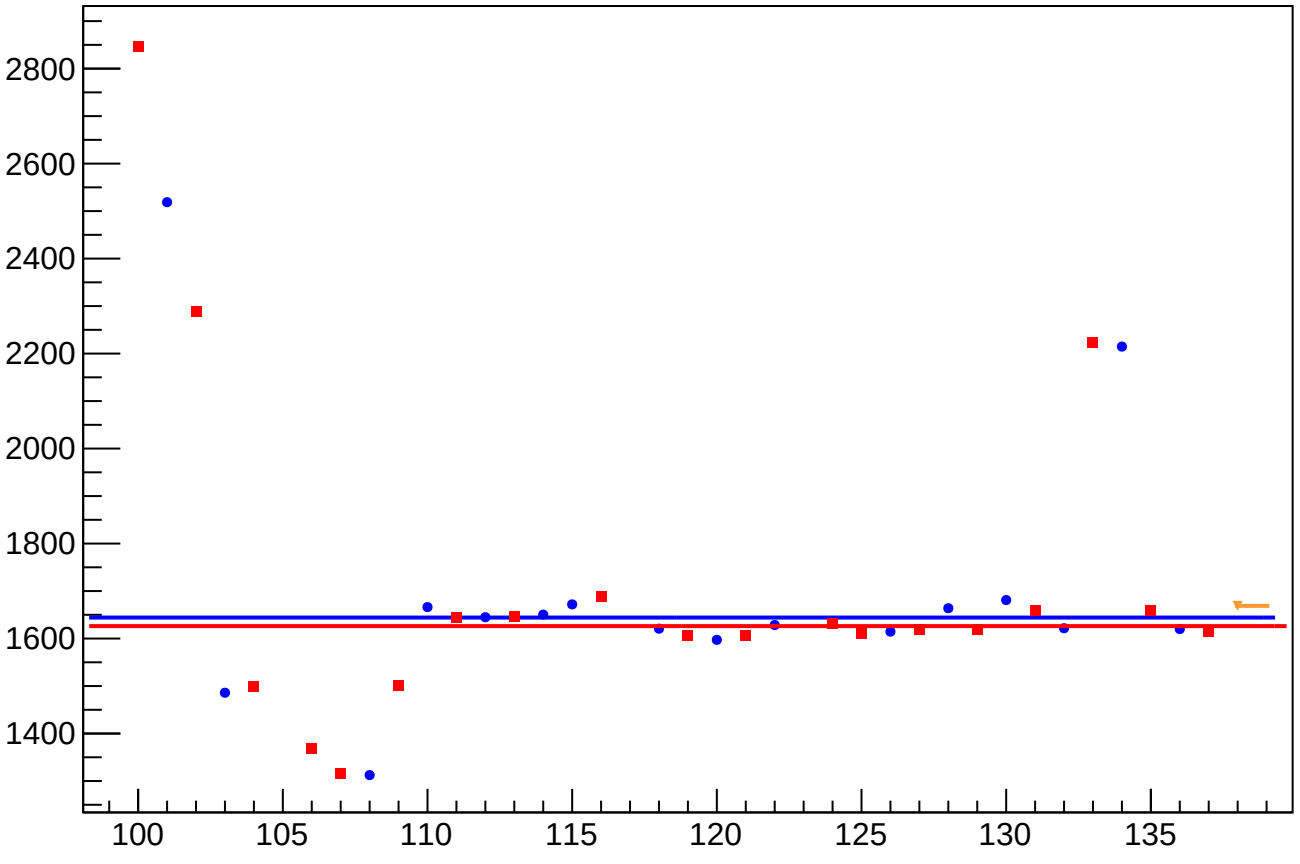
Left: 1441.193+/-1889.466 χ^2/NDF: 0.0/0

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3509.507+/-616.724 χ^2/NDF:10.4/15

Out: 2262.007+/-578.344 χ^2/NDF:17.3/19

All: 2845.734+/-421.867 χ^2/NDF: 29.9/35



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1668.803+/-1.336 χ^2/NDF:0.0/0

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

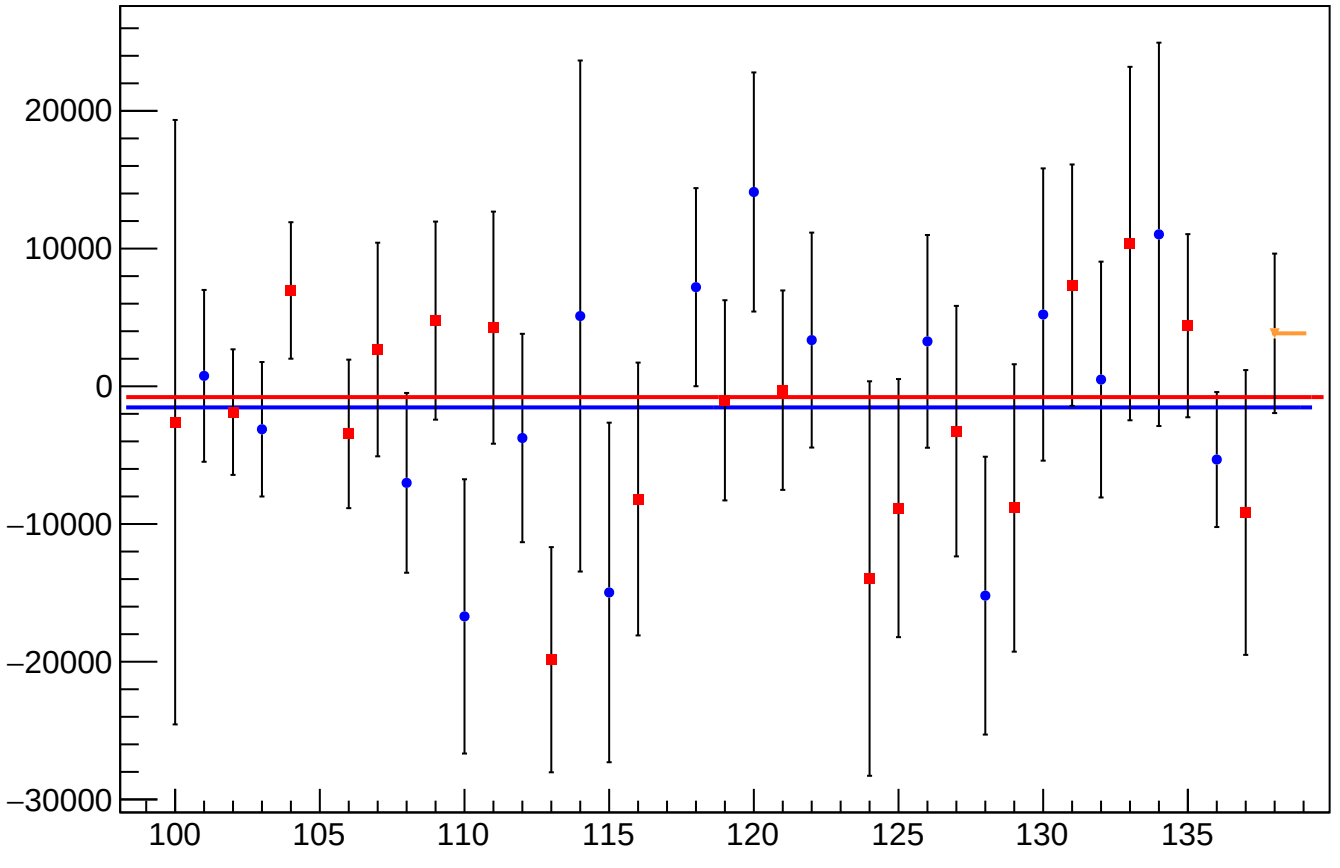
Left: 1668.803+/-1.336 χ^2/NDF: 0.0/0

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1644.198+/-0.436 χ^2/NDF:274817.9/15

Out: 1630.162+/-0.409 χ^2/NDF:238561.9/19

All: 1636.724+/-0.298 χ^2/NDF: 513931.5/35



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 3845.716+/-5789.653 χ^2/NDF:0.0/0

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

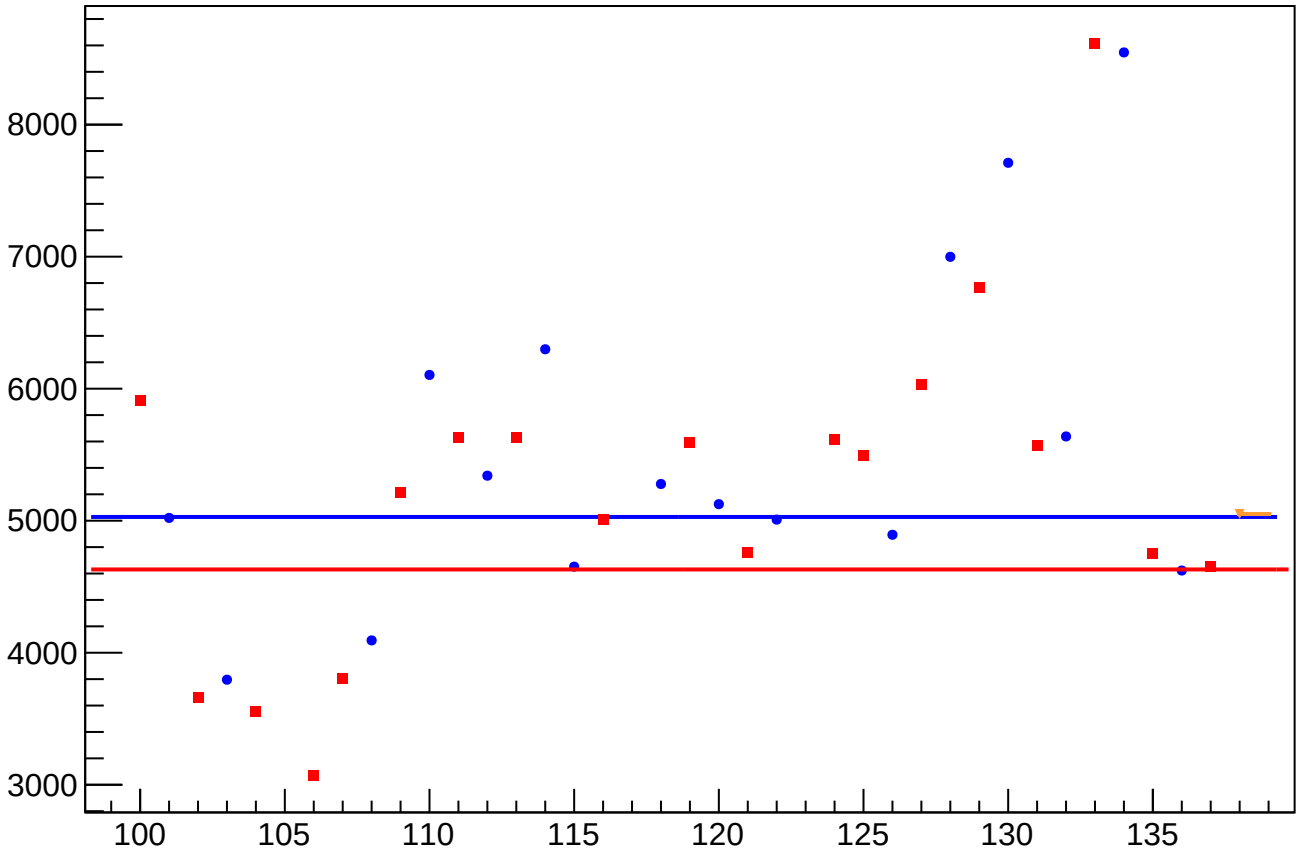
Left: 3845.716+/-5789.653 χ^2/NDF: 0.0/0

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -1532.110+/-1913.799 χ^2/NDF:13.9/15

Out: -397.222+/-1673.891 χ^2/NDF:15.6/19

All: -889.114+/-1259.954 χ^2/NDF: 29.7/35



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5050.661+/-4.094 χ^2/NDF:0.0/0

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

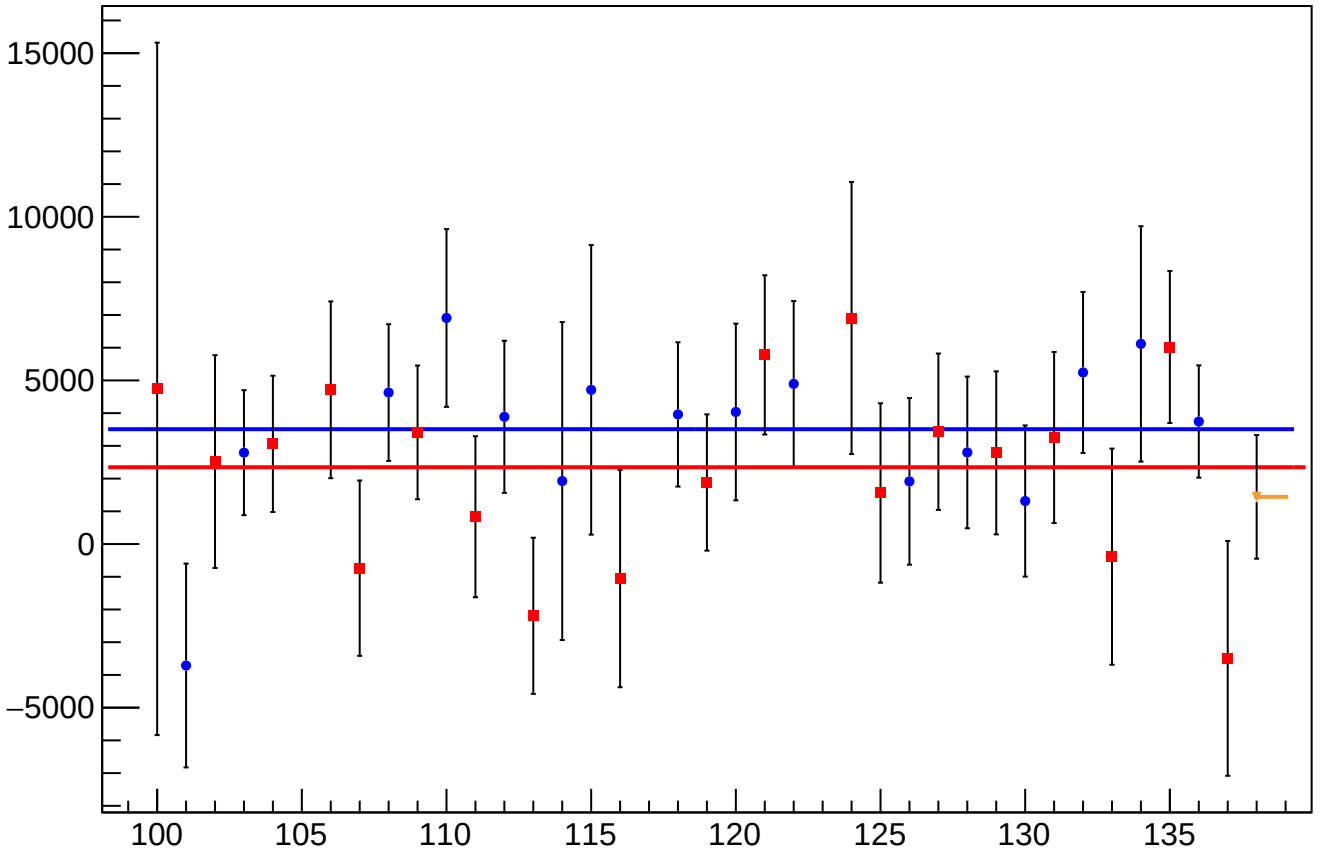
Left: 5050.661+/-4.094 χ^2/NDF: 0.0/0

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5028.449+/-1.353 χ^2/NDF:565469.4/15

Out: 4665.988+/-1.184 χ^2/NDF:873149.2/19

All: 4823.089+/-0.891 χ^2/NDF: 1479264.4/35



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1441.193+/-1889.467 χ^2/NDF:0.0/0

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

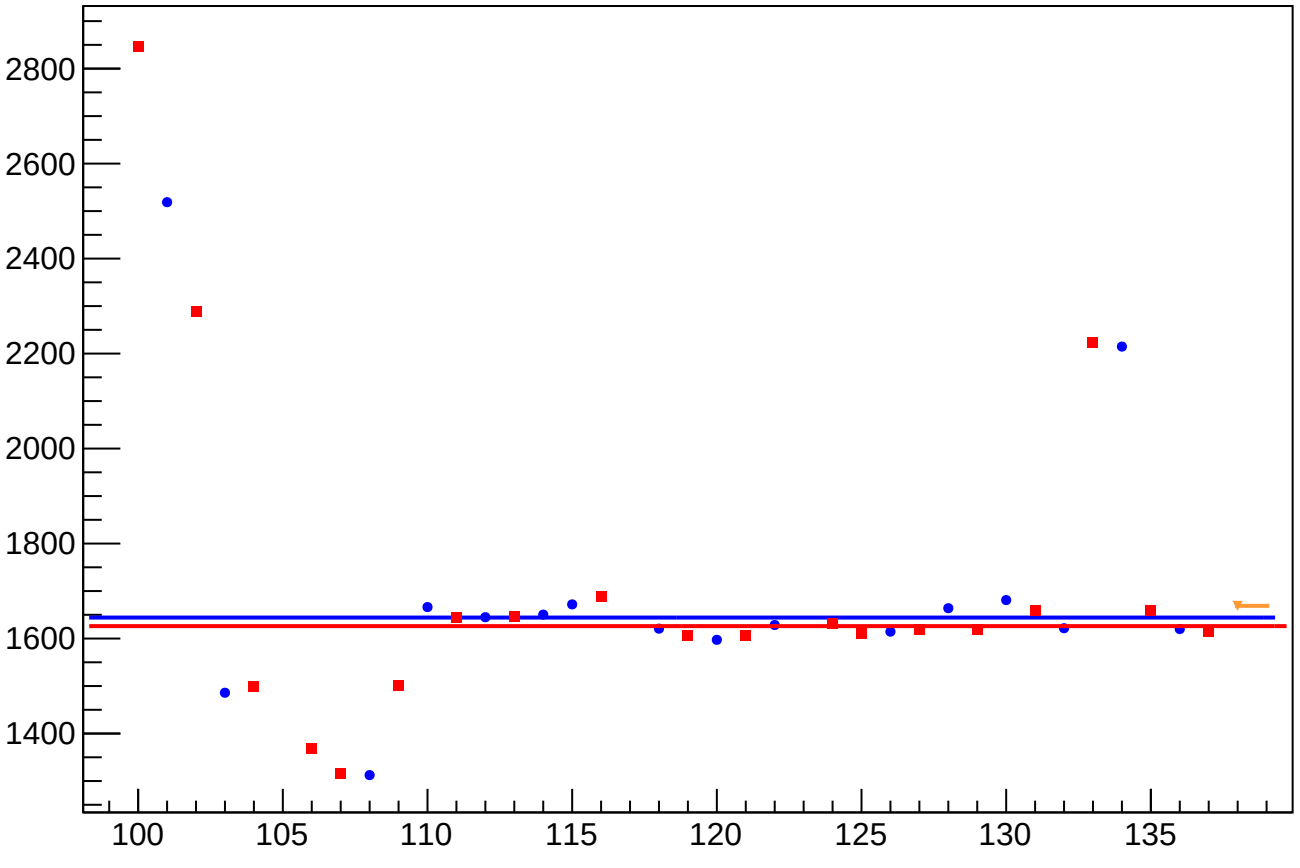
Left: 1441.193+/-1889.467 χ^2/NDF: 0.0/0

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3509.509+/-616.724 χ^2/NDF:10.4/15

Out: 2262.012+/-578.344 χ^2/NDF:17.3/19

All: 2845.738+/-421.867 χ^2/NDF: 29.9/35



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1668.804+/-1.336 χ^2/NDF:0.0/0

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

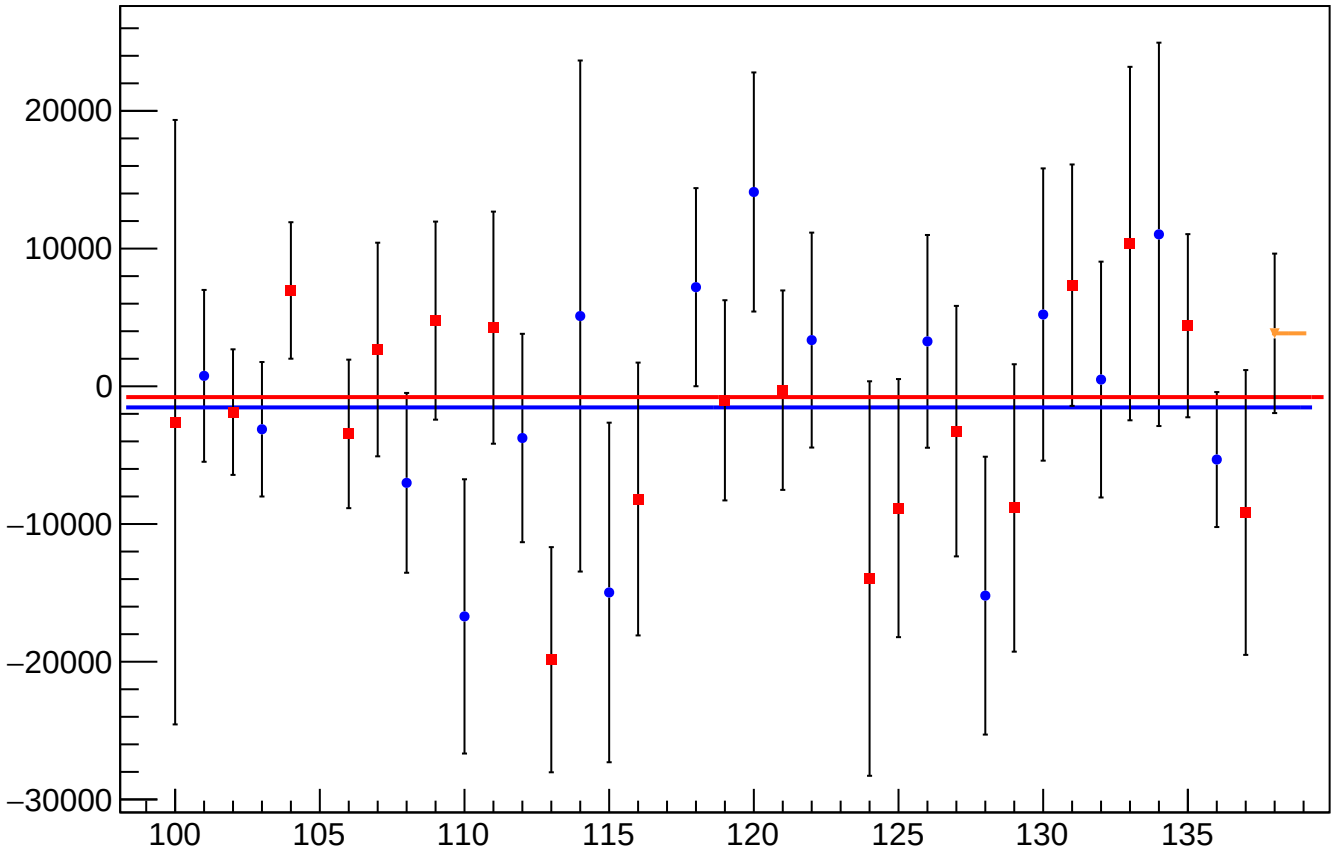
Left: 1668.804+/-1.336 χ^2/NDF: 0.0/0

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1644.198+/-0.436 χ^2/NDF:274818.1/15

Out: 1630.162+/-0.409 χ^2/NDF:238561.6/19

All: 1636.724+/-0.298 χ^2/NDF: 513931.3/35



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 3845.717+/-5789.666 χ^2/NDF:0.0/0

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

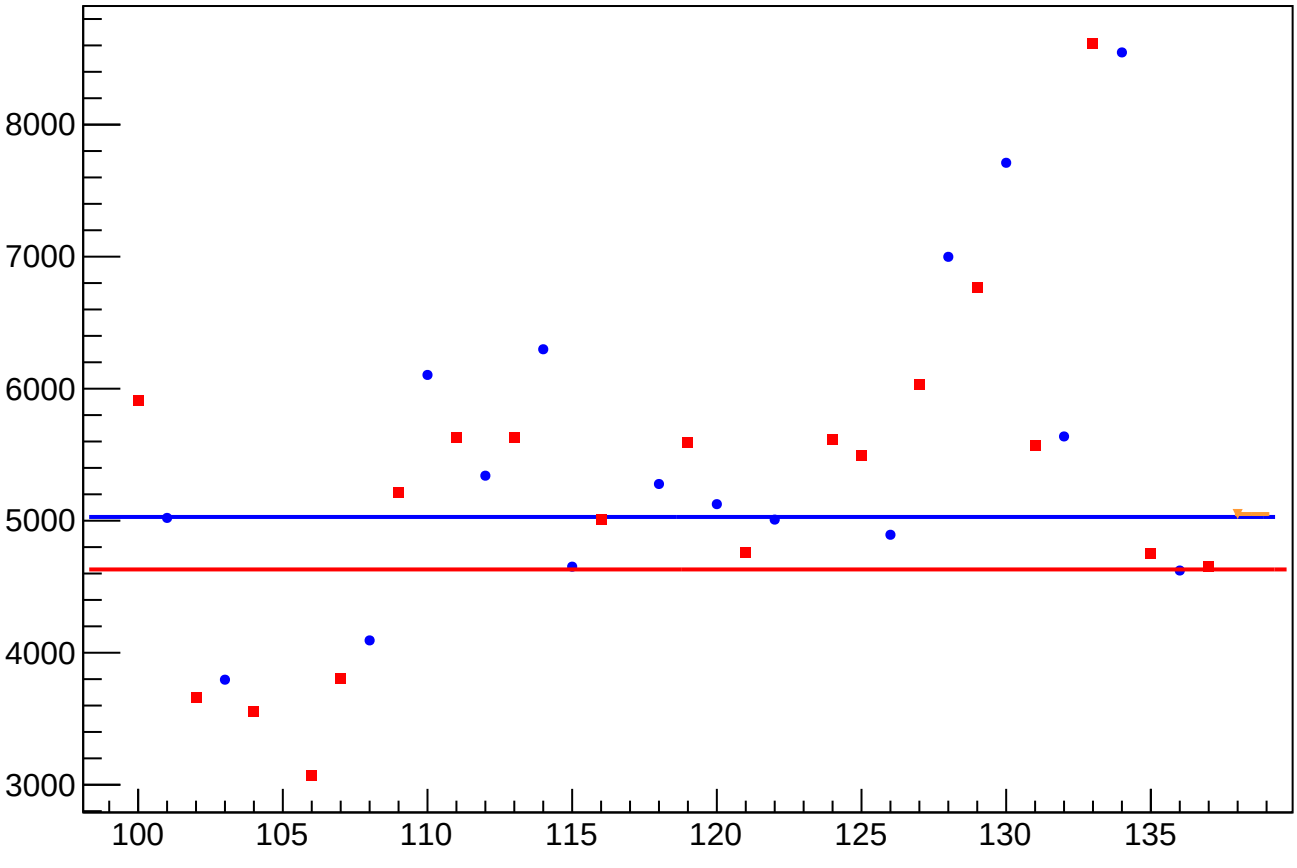
Left: 3845.717+/-5789.666 χ^2/NDF: 0.0/0

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -1532.095+/-1913.796 χ^2/NDF:13.9/15

Out: -397.226+/-1673.889 χ^2/NDF:15.6/19

All: -889.110+/-1259.952 χ^2/NDF: 29.7/35



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5050.672+/-4.094 χ^2/NDF:0.0/0

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

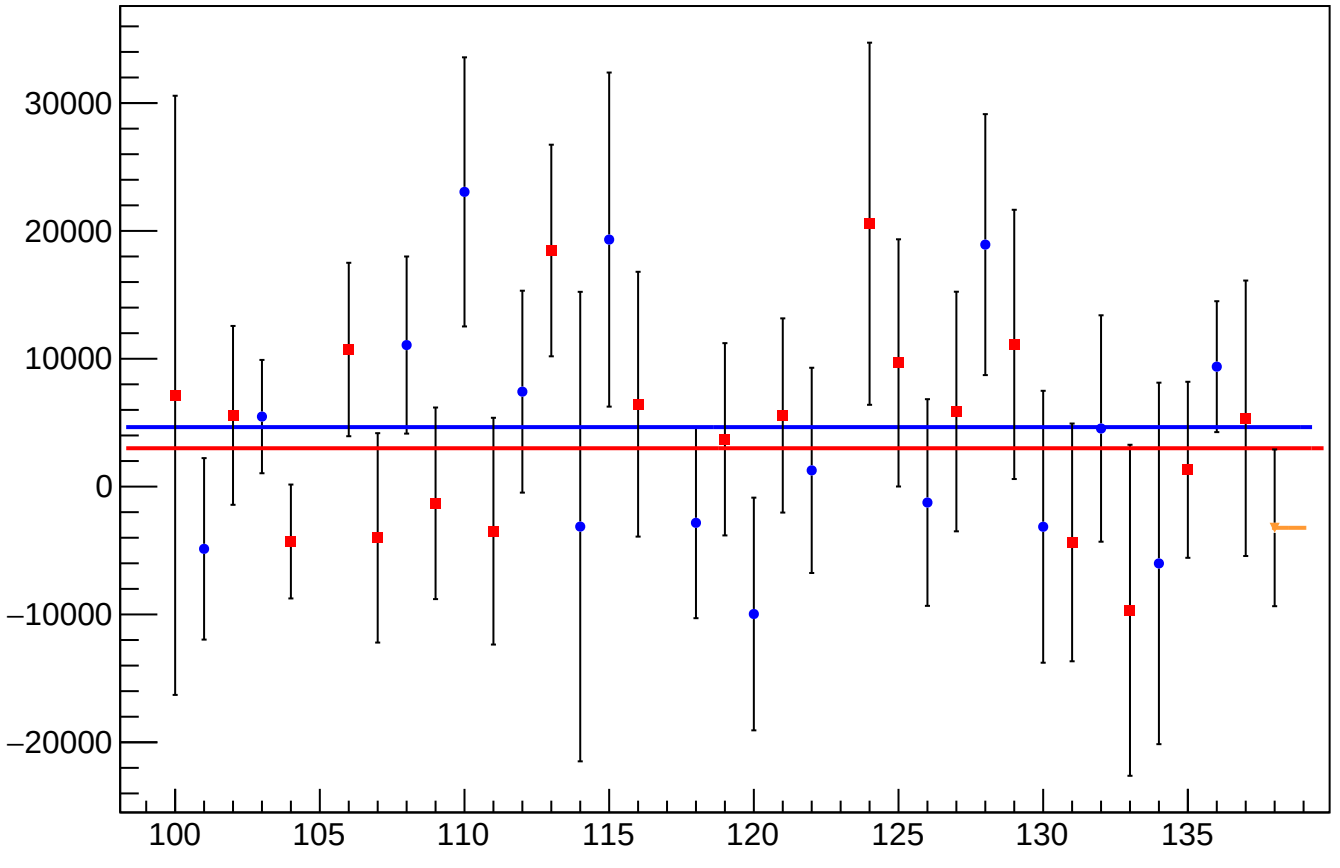
Left: 5050.672+/-4.094 χ^2/NDF: 0.0/0

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5028.443+/-1.353 χ^2/NDF:565463.1/15

Out: 4665.983+/-1.184 χ^2/NDF:873144.0/19

All: 4823.083+/-0.891 χ^2/NDF: 1479252.7/35



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -3223.197+/-6131.385 χ^2/NDF:0.0/0

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -3223.197+/-6131.385 χ^2/NDF: 0.0/0

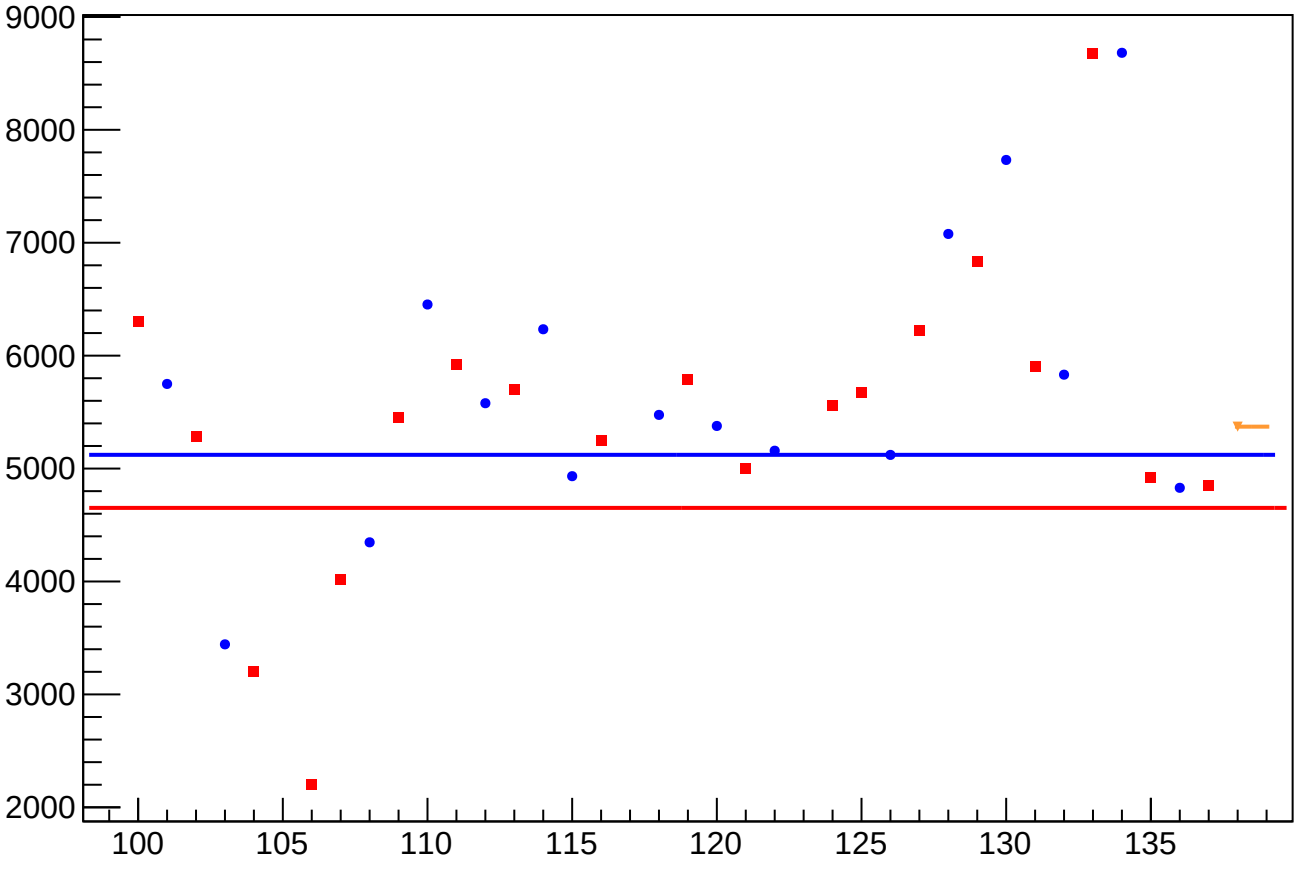
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 4653.137+/-1958.496 χ^2/NDF:15.5/15

Out: 2464.631+/-1799.871 χ^2/NDF:14.8/19

All: 3466.681+/-1325.236 χ^2/NDF: 31.0/35

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5371.202+/-4.336 χ^2/NDF:0.0/0

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

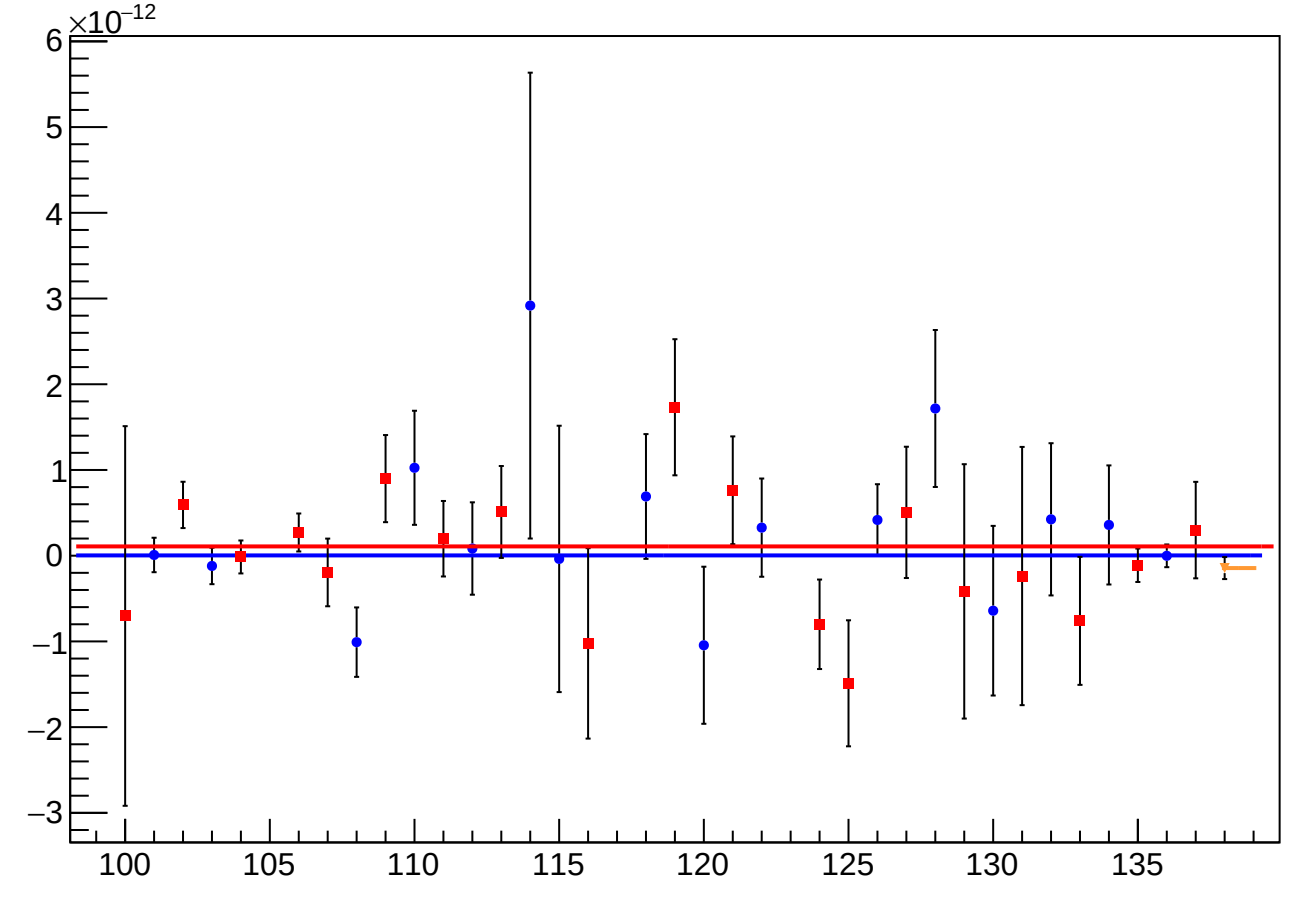
Left: 5371.202+/-4.336 χ^2/NDF: 0.0/0

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5121.644+/-1.385 χ^2/NDF:720370.1/15

Out: 4709.440+/-1.228 χ^2/NDF:1370197.7/19

All: 4890.872+/-0.919 χ^2/NDF: 2140167.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

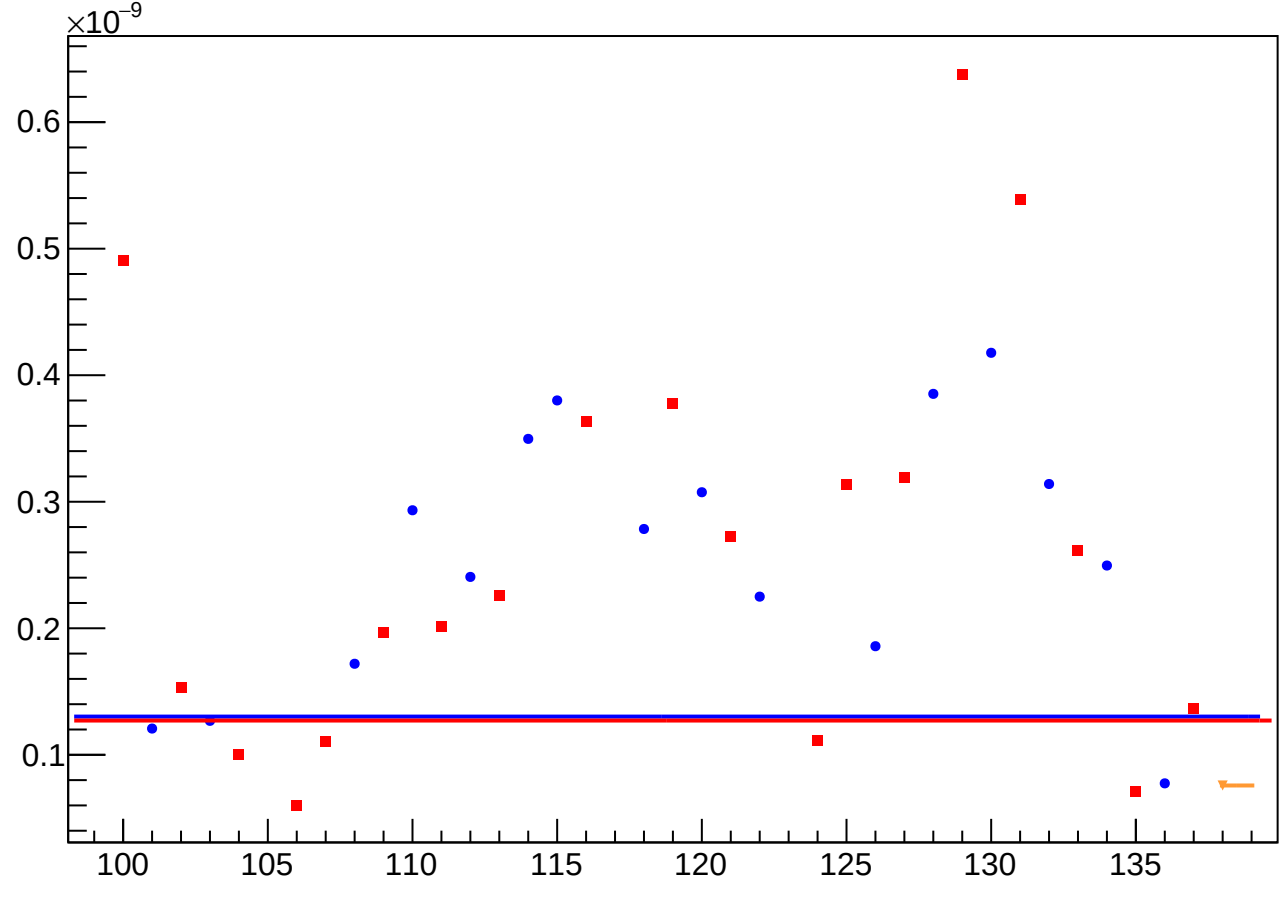
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

In: 0.000+/-0.000 χ^2/NDF:18.0/15

Out: 0.000+/-0.000 χ^2/NDF:27.8/19

All: 0.000+/-0.000 χ^2/NDF: 45.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

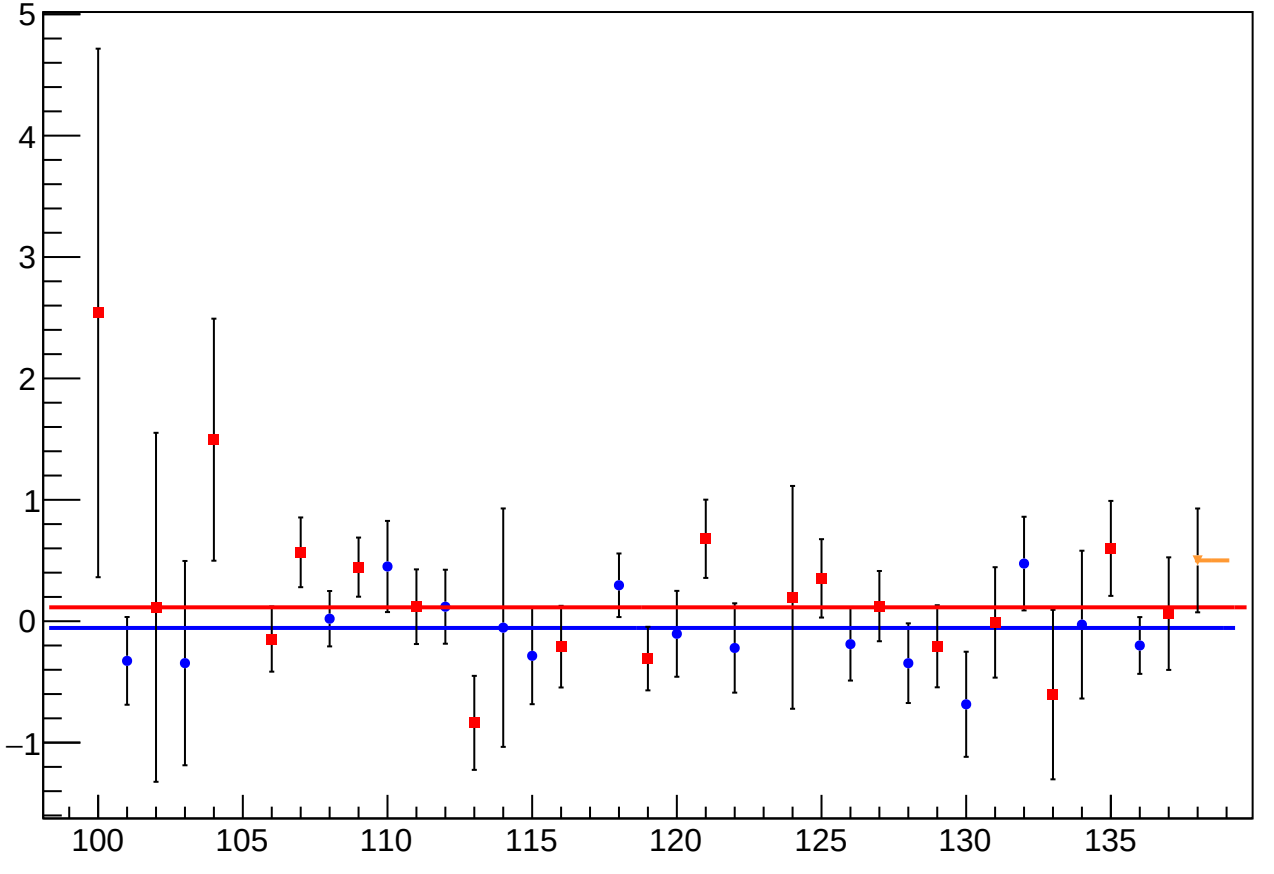
Right: 0.000+/-0.000 χ^2/NDF: 3064818.5/34

In: 0.000+/-0.000 χ^2/NDF:1329229.3/15

Out: 0.000+/-0.000 χ^2/NDF:1949287.4/19

All: 0.000+/-0.000 χ^2/NDF: 3340184.2/35

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.501+/-0.428 χ^2/NDF:0.0/0

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

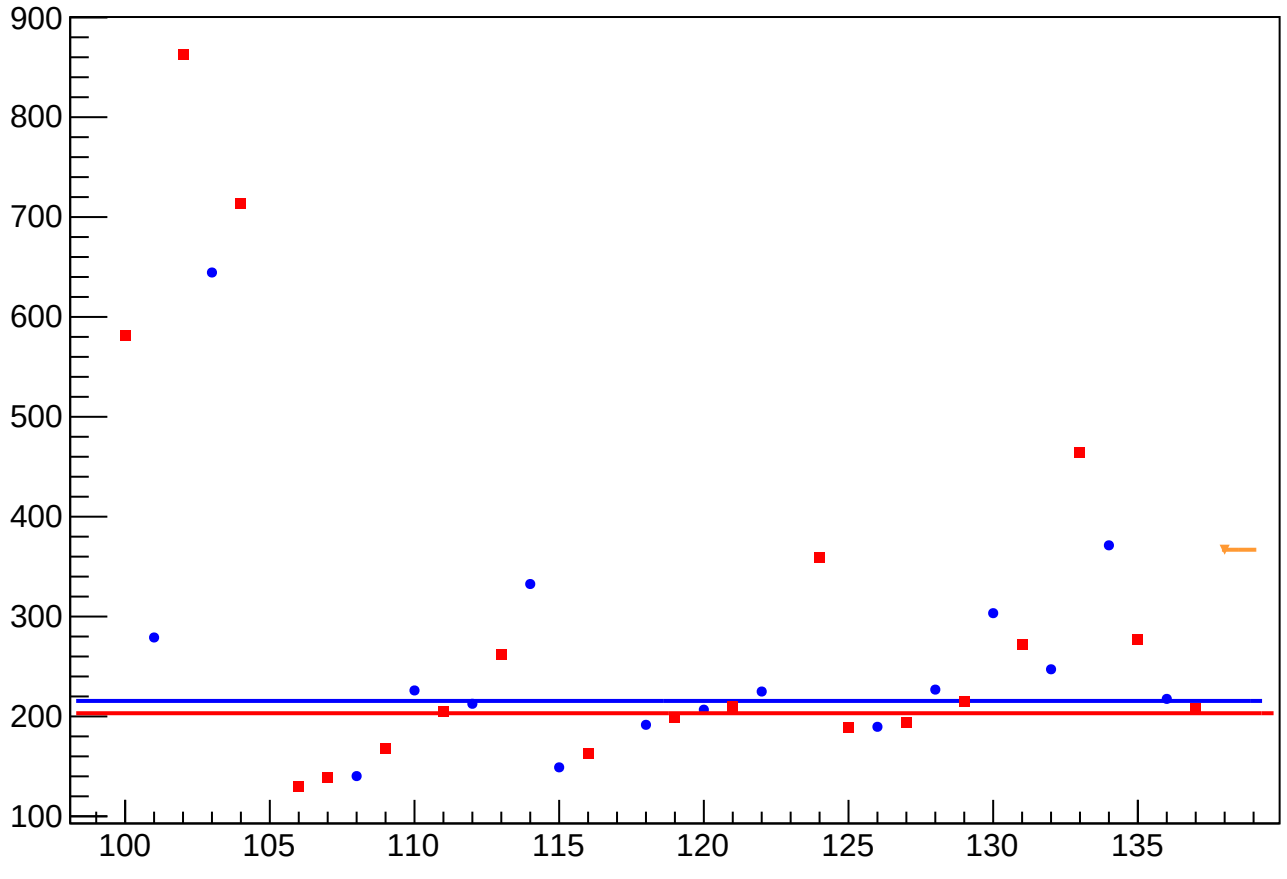
Left: 0.501+/-0.428 χ^2/NDF: 0.0/0

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.055+/-0.085 χ^2/NDF:10.7/15

Out: 0.129+/-0.082 χ^2/NDF:26.0/19

All: 0.041+/-0.059 χ^2/NDF: 39.1/35



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 366.903+/-0.302 χ^2/NDF:0.0/0

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

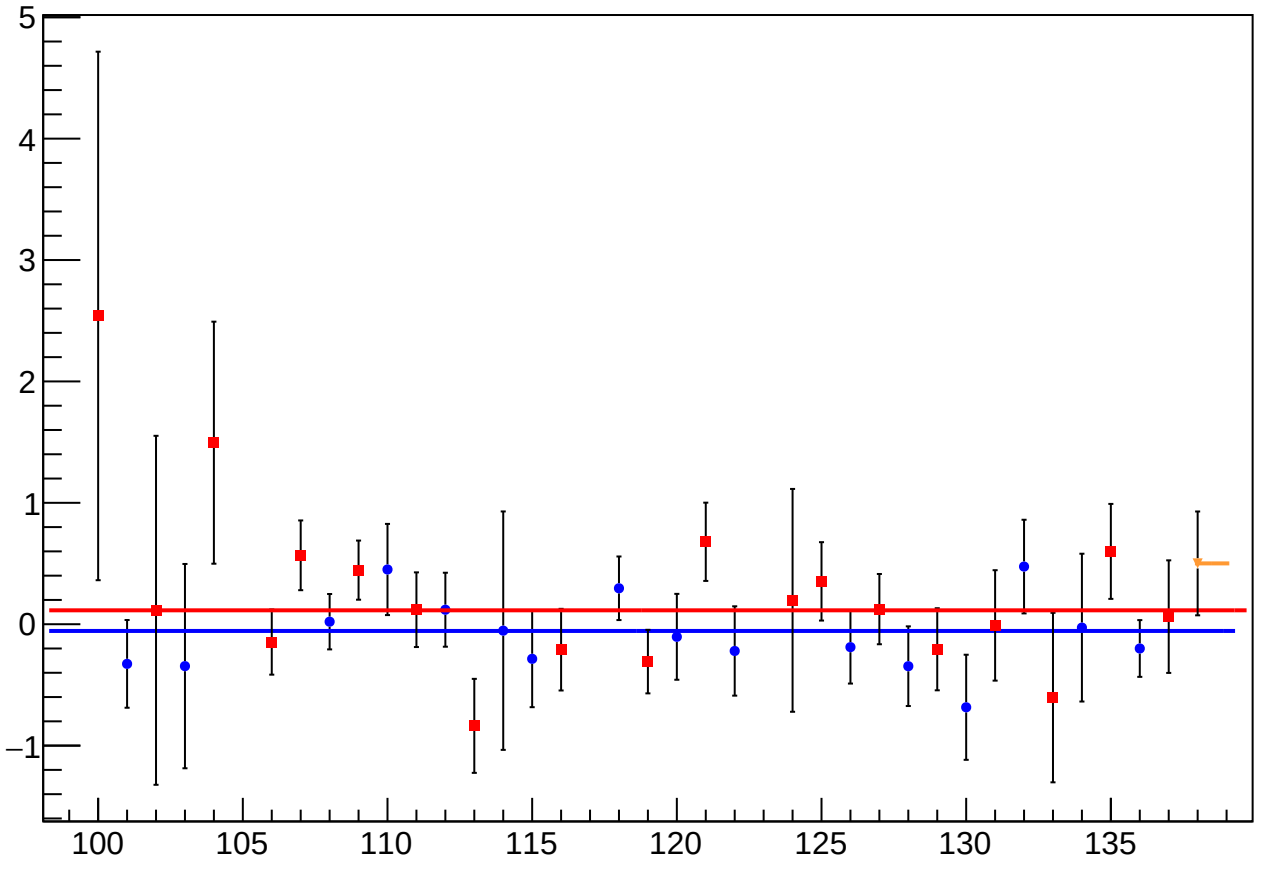
Left: 366.903+/-0.302 χ^2/NDF: 0.0/0

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 215.519+/-0.060 χ^2/NDF:1148727.3/15

Out: 209.178+/-0.058 χ^2/NDF:2117840.4/19

All: 212.205+/-0.042 χ^2/NDF: 3272321.4/35



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.501+/-0.428 χ^2/NDF:0.0/0

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.501+/-0.428 χ^2/NDF: 0.0/0

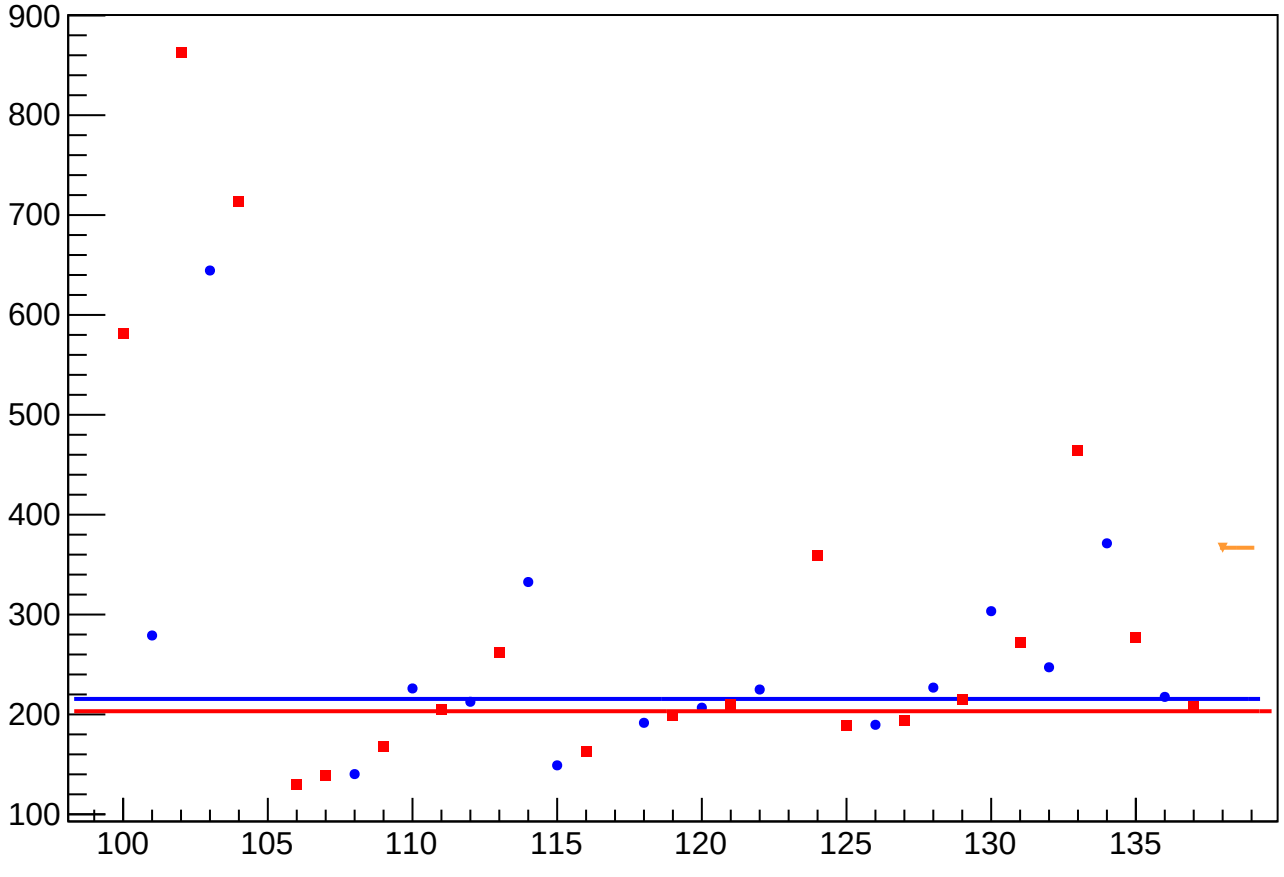
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.055+/-0.085 χ^2/NDF:10.7/15

Out: 0.129+/-0.082 χ^2/NDF:26.0/19

All: 0.041+/-0.059 χ^2/NDF: 39.1/35

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 366.903+/-0.302 χ^2/NDF:0.0/0

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

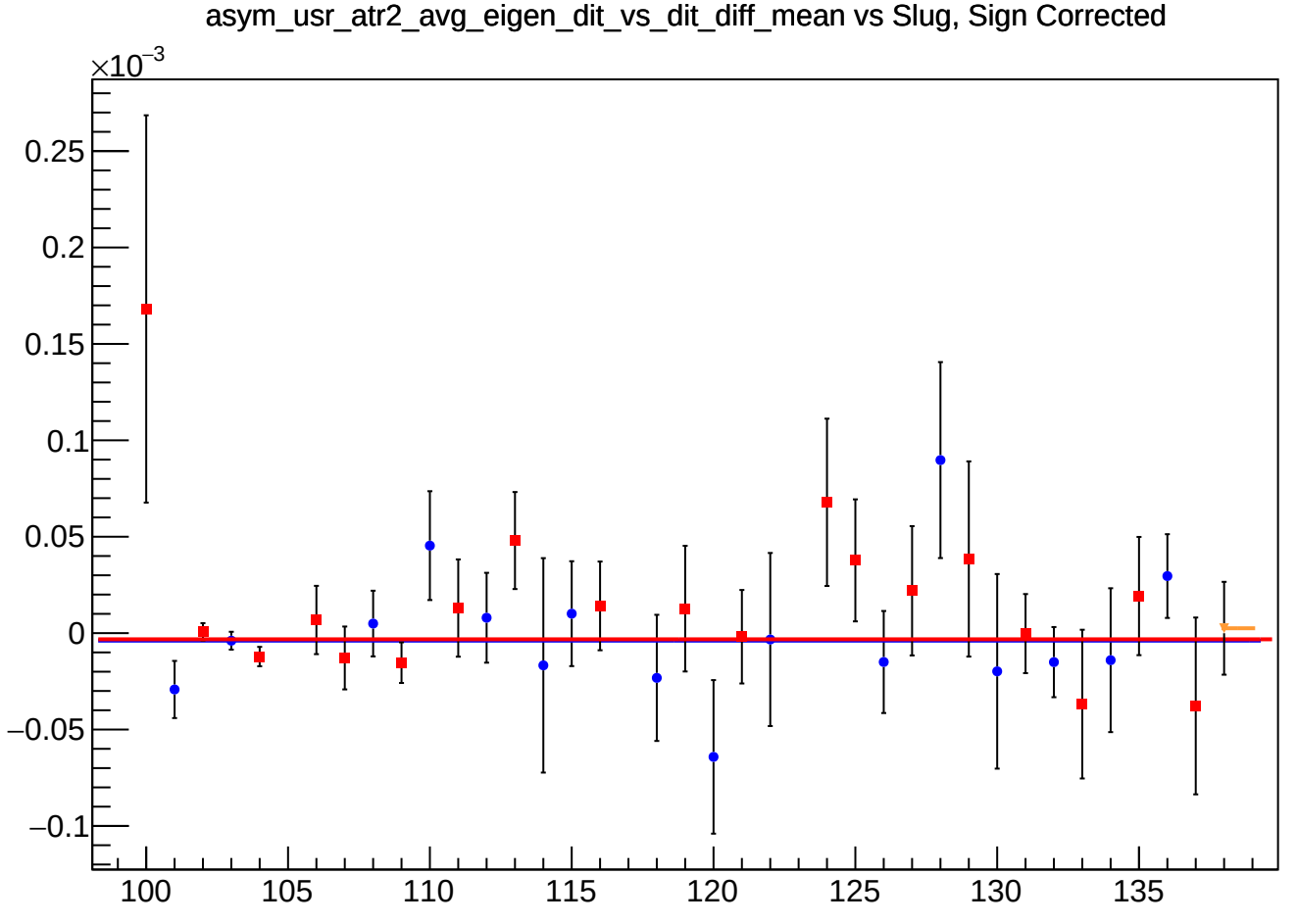
Left: 366.903+/-0.302 χ^2/NDF: 0.0/0

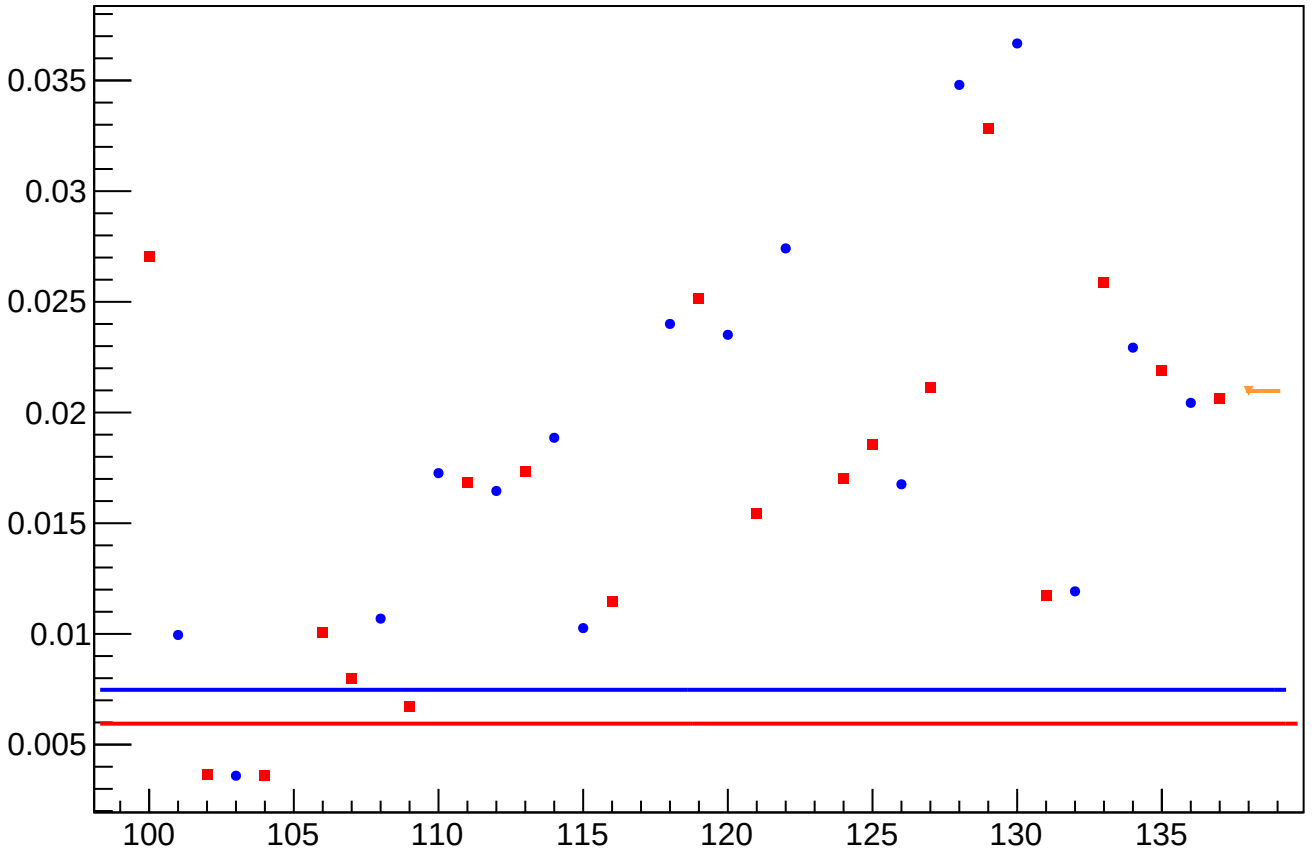
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 215.519+/-0.060 χ^2/NDF:1148727.3/15

Out: 209.178+/-0.058 χ^2/NDF:2117840.4/19

All: 212.205+/-0.042 χ^2/NDF: 3272321.4/35


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
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
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: 0.0/0
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:16.0/15
Out: -0.000+/-0.000 χ²/NDF:21.7/19
All: -0.000+/-0.000 χ²/NDF: 37.7/35



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.021+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.021+/-0.000 χ^2/NDF: 0.0/0

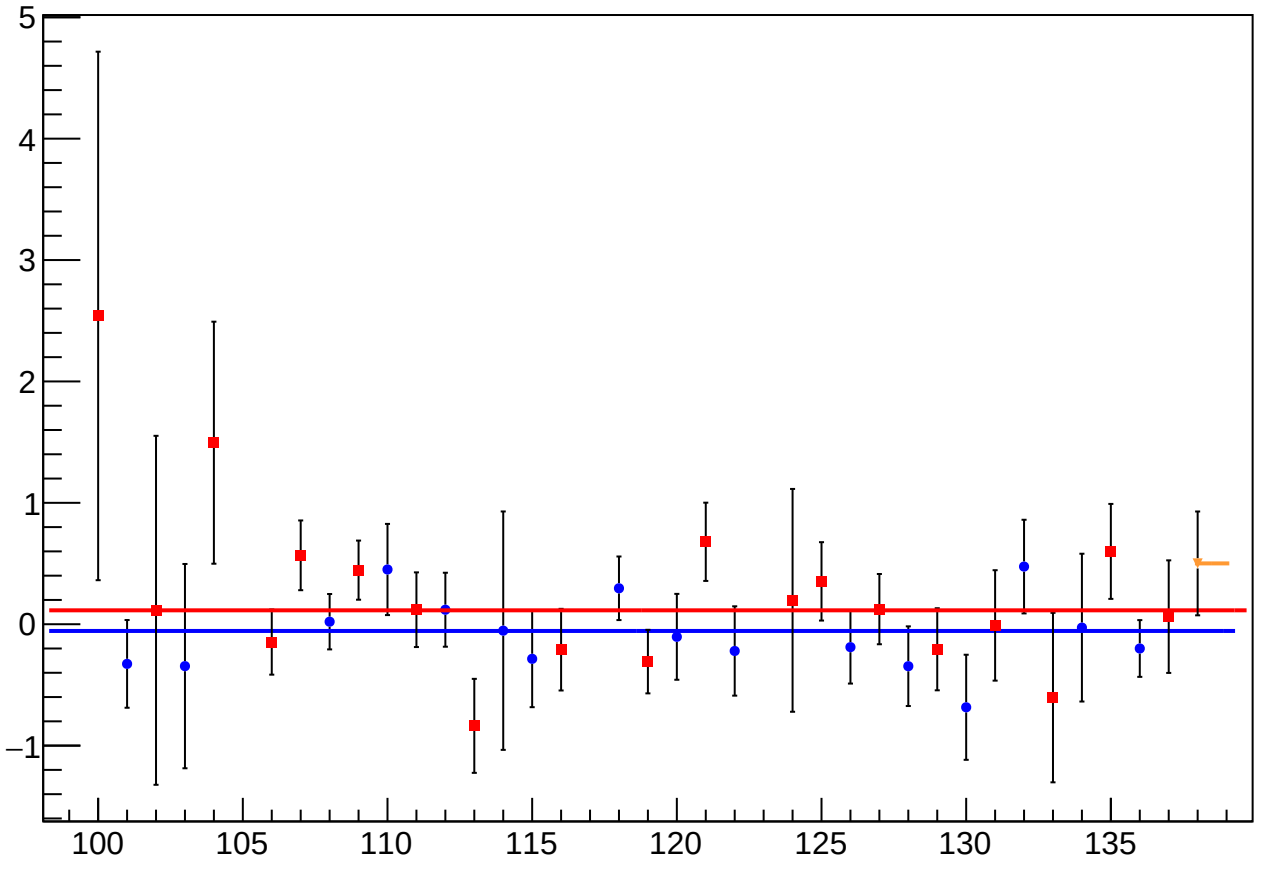
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.007+/-0.000 χ^2/NDF:6076199.5/15

Out: 0.006+/-0.000 χ^2/NDF:6701872.8/19

All: 0.007+/-0.000 χ^2/NDF: 12930664.5/35

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.501+/-0.428 χ^2/NDF:0.0/0

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

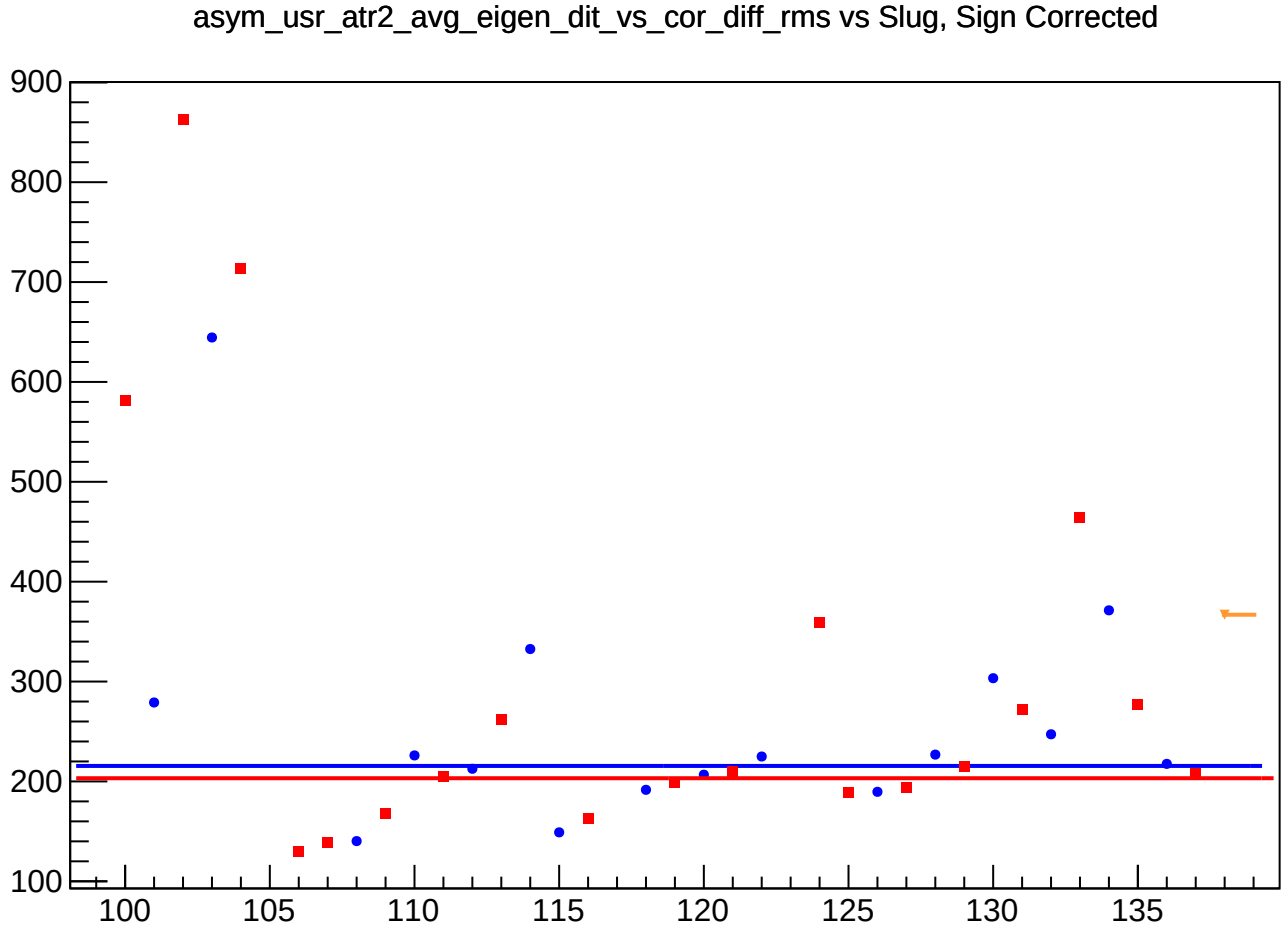
Left: 0.501+/-0.428 χ^2/NDF: 0.0/0

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.055+/-0.085 χ^2/NDF:10.7/15

Out: 0.129+/-0.082 χ^2/NDF:26.0/19

All: 0.041+/-0.059 χ^2/NDF: 39.1/35



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 366.908+/-0.302 χ^2/NDF:0.0/0

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 366.908+/-0.302 χ^2/NDF: 0.0/0

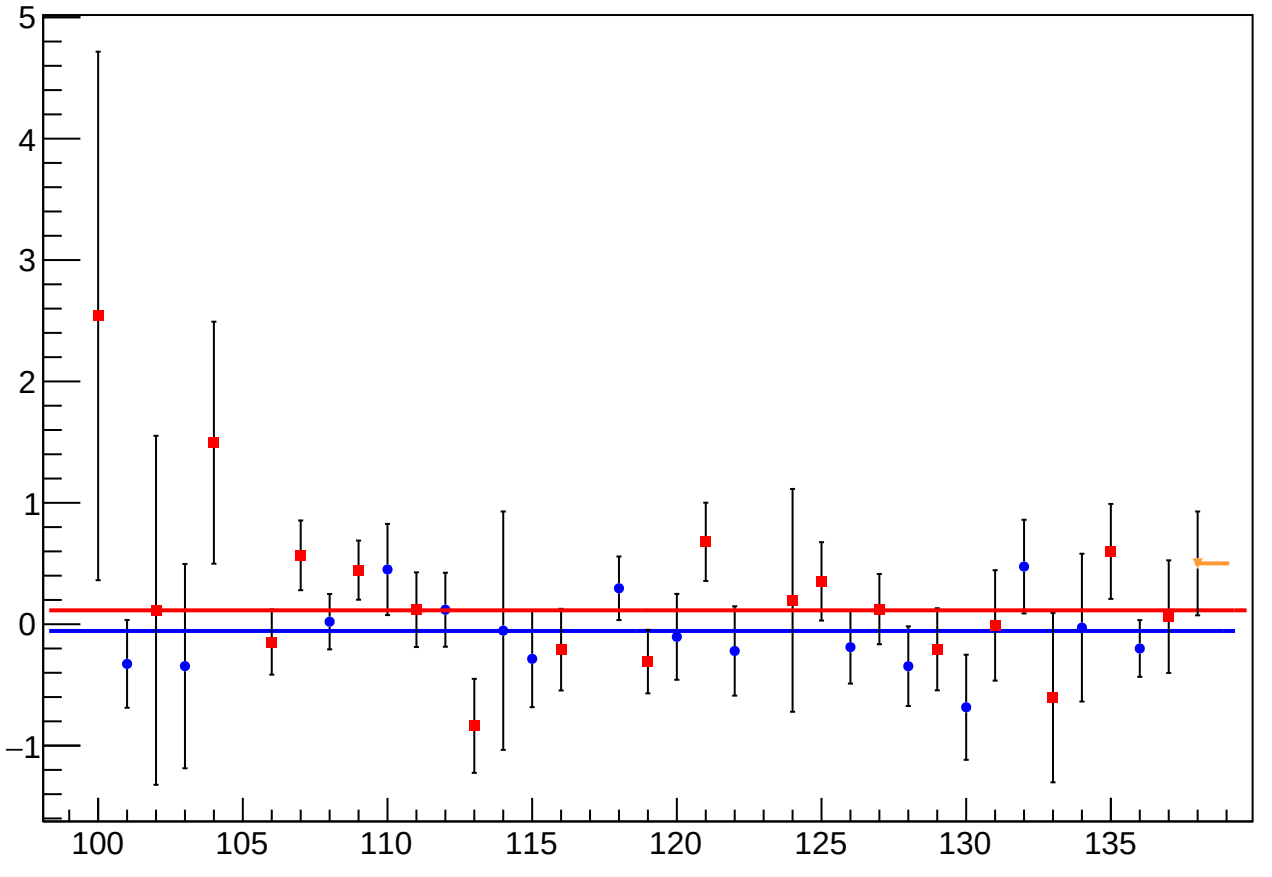
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 215.518+/-0.060 χ^2/NDF:1148700.9/15

Out: 209.176+/-0.058 χ^2/NDF:2117840.1/19

All: 212.204+/-0.042 χ^2/NDF: 3272295.2/35

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: 0.501+/-0.428 χ^2/NDF:0.0/0

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

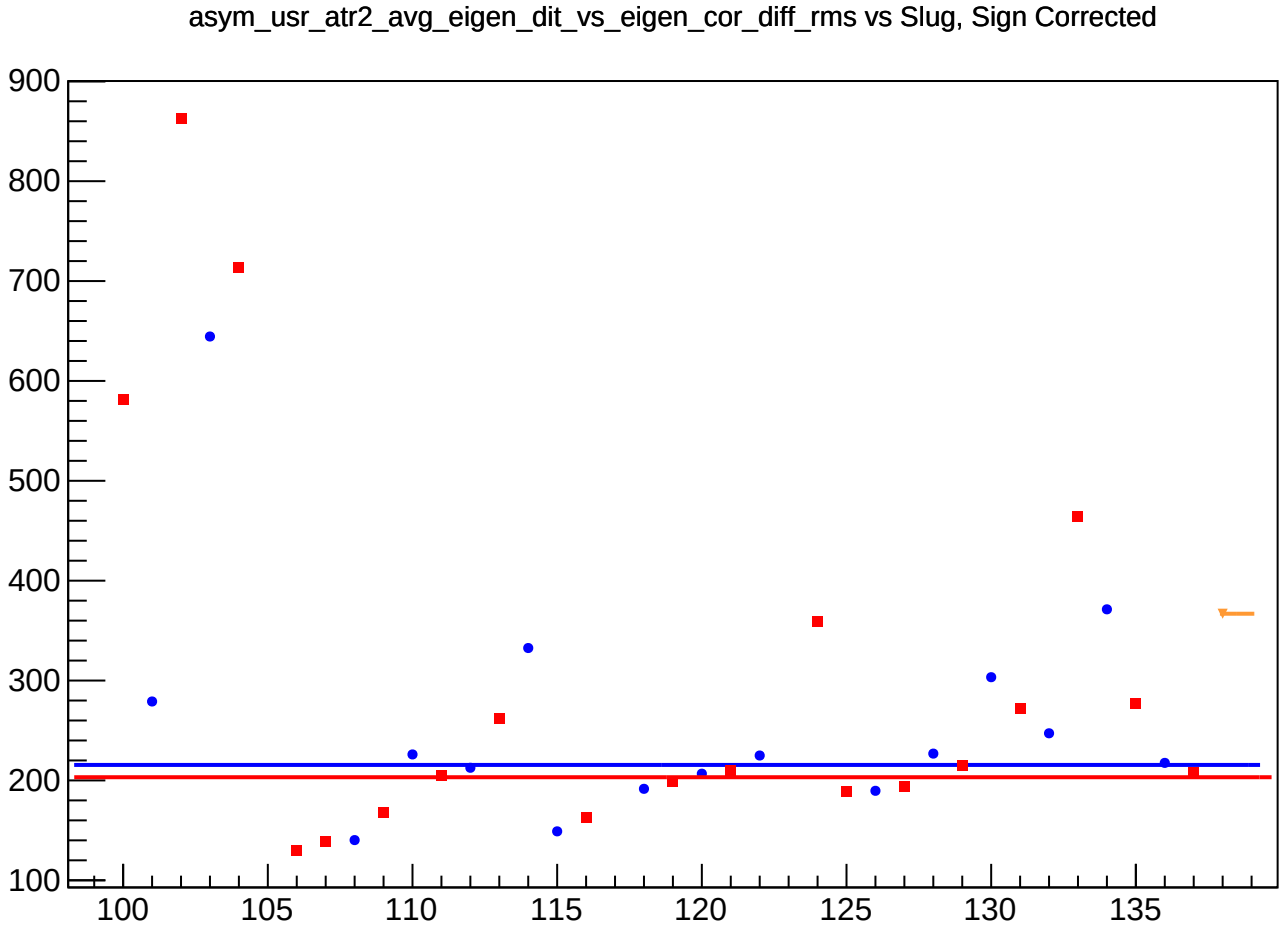
Left: 0.501+/-0.428 χ^2/NDF: 0.0/0

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.055+/-0.085 χ^2/NDF:10.7/15

Out: 0.129+/-0.082 χ^2/NDF:26.0/19

All: 0.041+/-0.059 χ^2/NDF: 39.1/35



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 366.908+/-0.302 χ^2/NDF:0.0/0

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

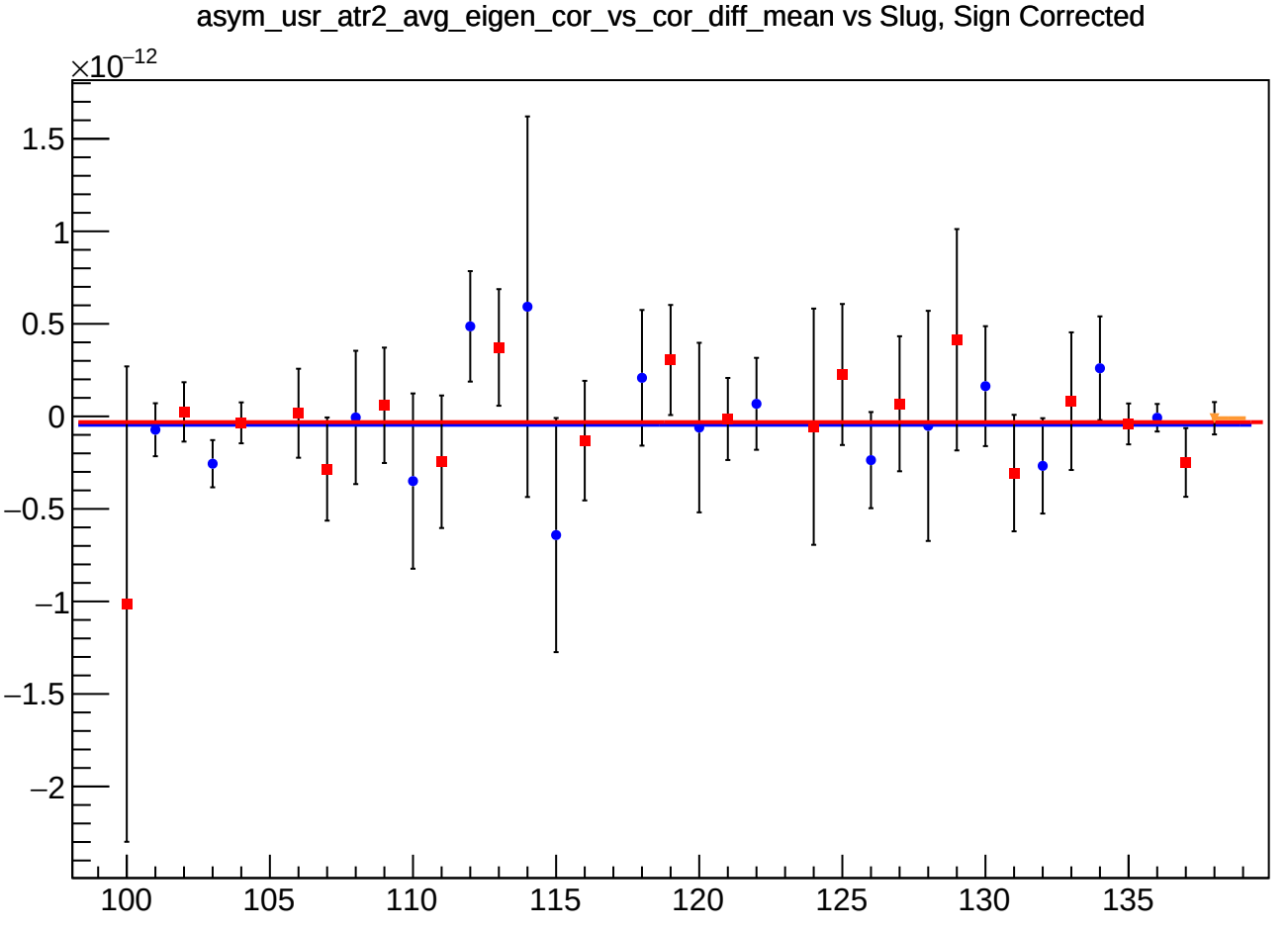
Left: 366.908+/-0.302 χ^2/NDF: 0.0/0

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 215.518+/-0.060 χ^2/NDF:1148700.9/15

Out: 209.176+/-0.058 χ^2/NDF:2117840.1/19

All: 212.204+/-0.042 χ^2/NDF: 3272295.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

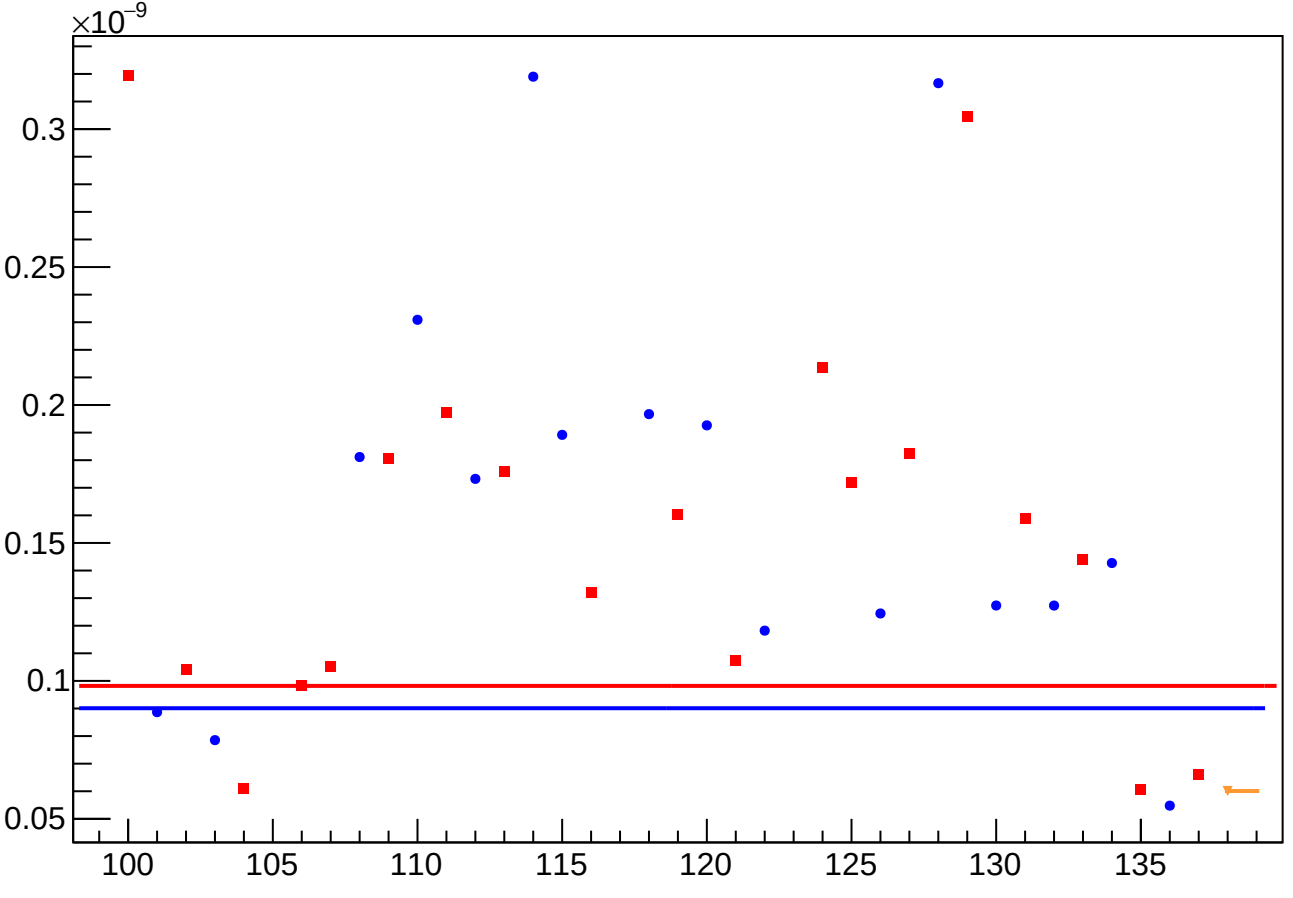
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:11.5/15

Out: -0.000+/-0.000 χ^2/NDF:8.4/19

All: -0.000+/-0.000 χ^2/NDF: 20.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

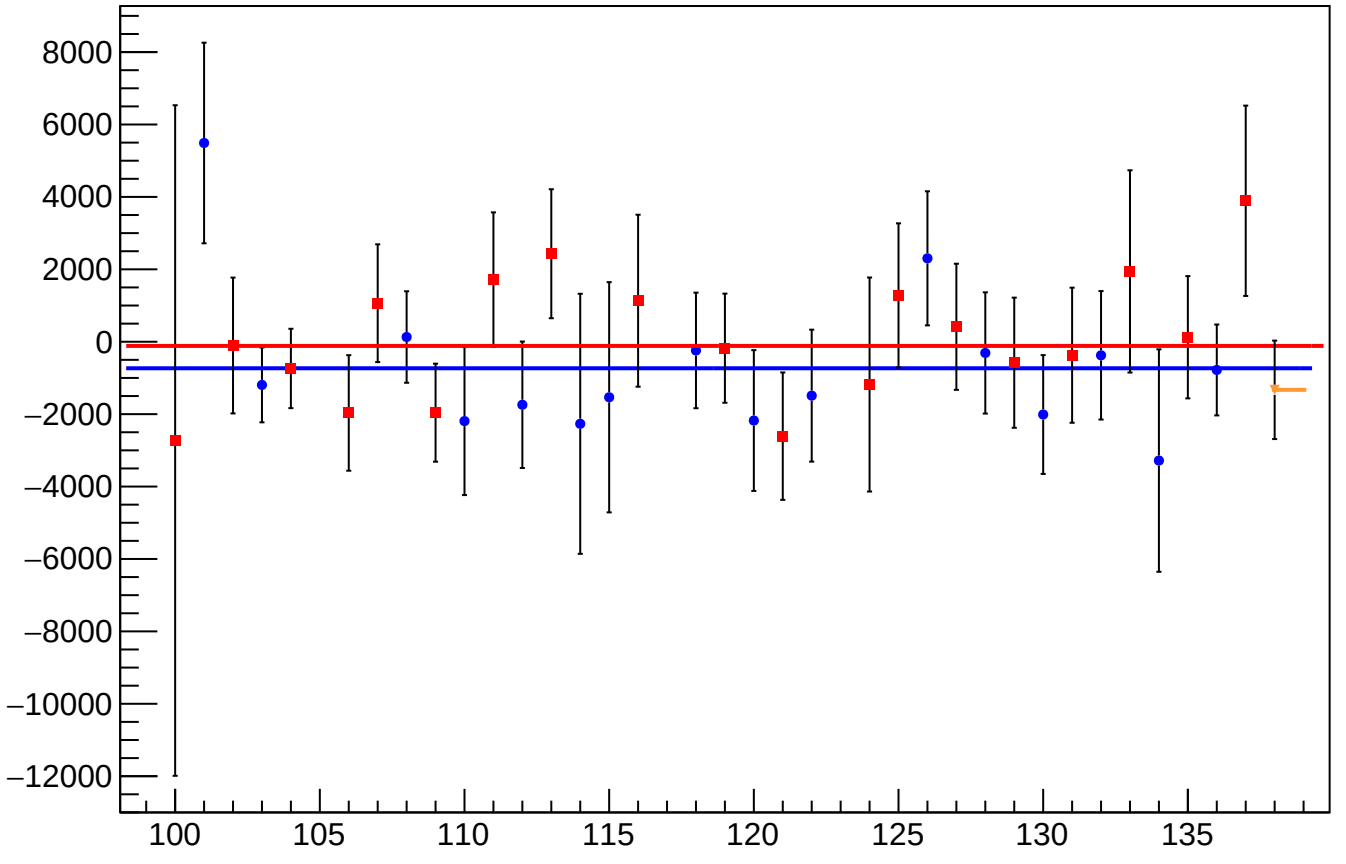
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:1808066.1/15

Out: 0.000+/-0.000 χ^2/NDF:1975104.1/19

All: 0.000+/-0.000 χ^2/NDF: 3784757.2/35



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: -1328.492+/-1359.451 χ^2/NDF:0.0/0

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

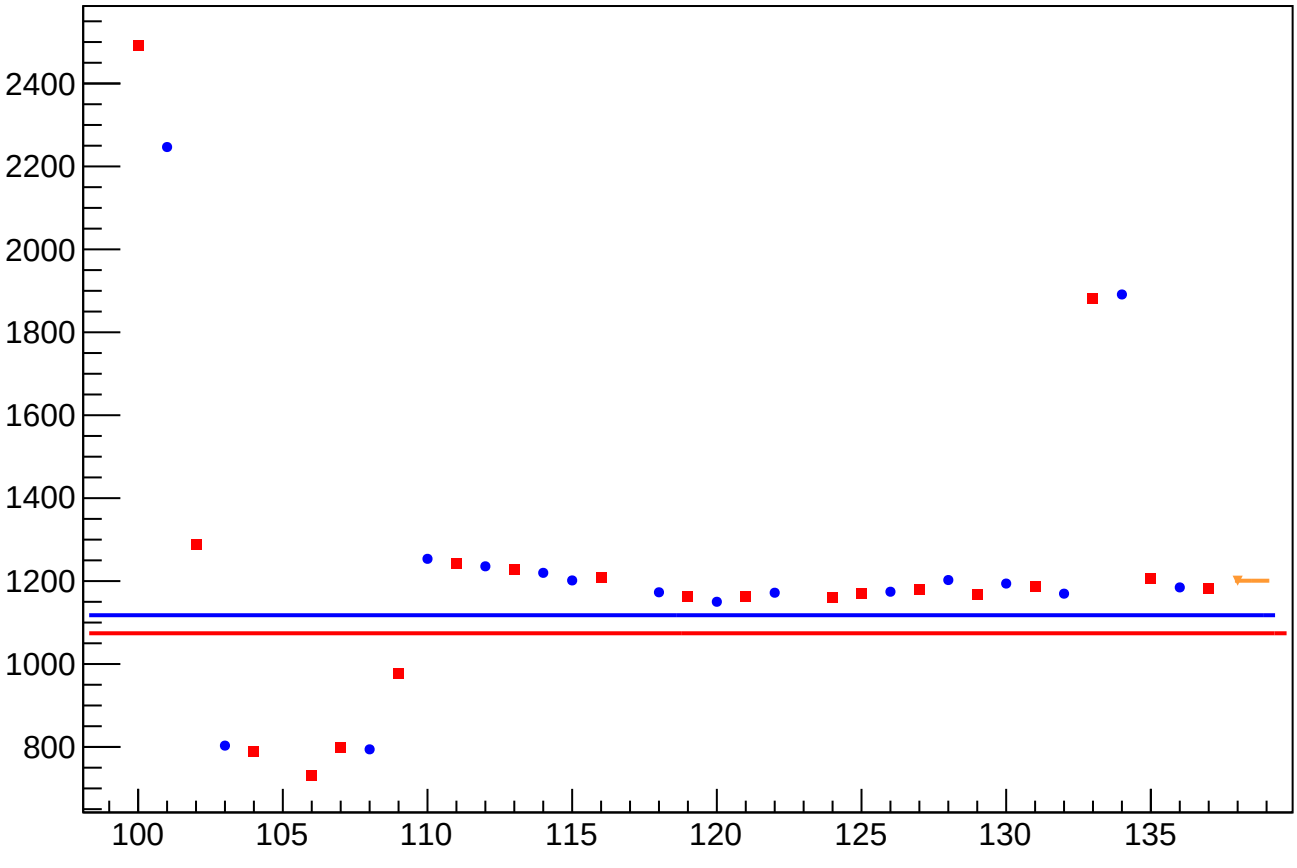
Left: -1328.492+/-1359.451 χ^2/NDF: 0.0/0

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -732.747+/-427.384 χ^2/NDF:11.7/15

Out: -216.862+/-393.797 χ^2/NDF:13.8/19

All: -453.739+/-289.604 χ^2/NDF: 26.3/35



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1200.908+/-0.961 χ^2/NDF:0.0/0

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

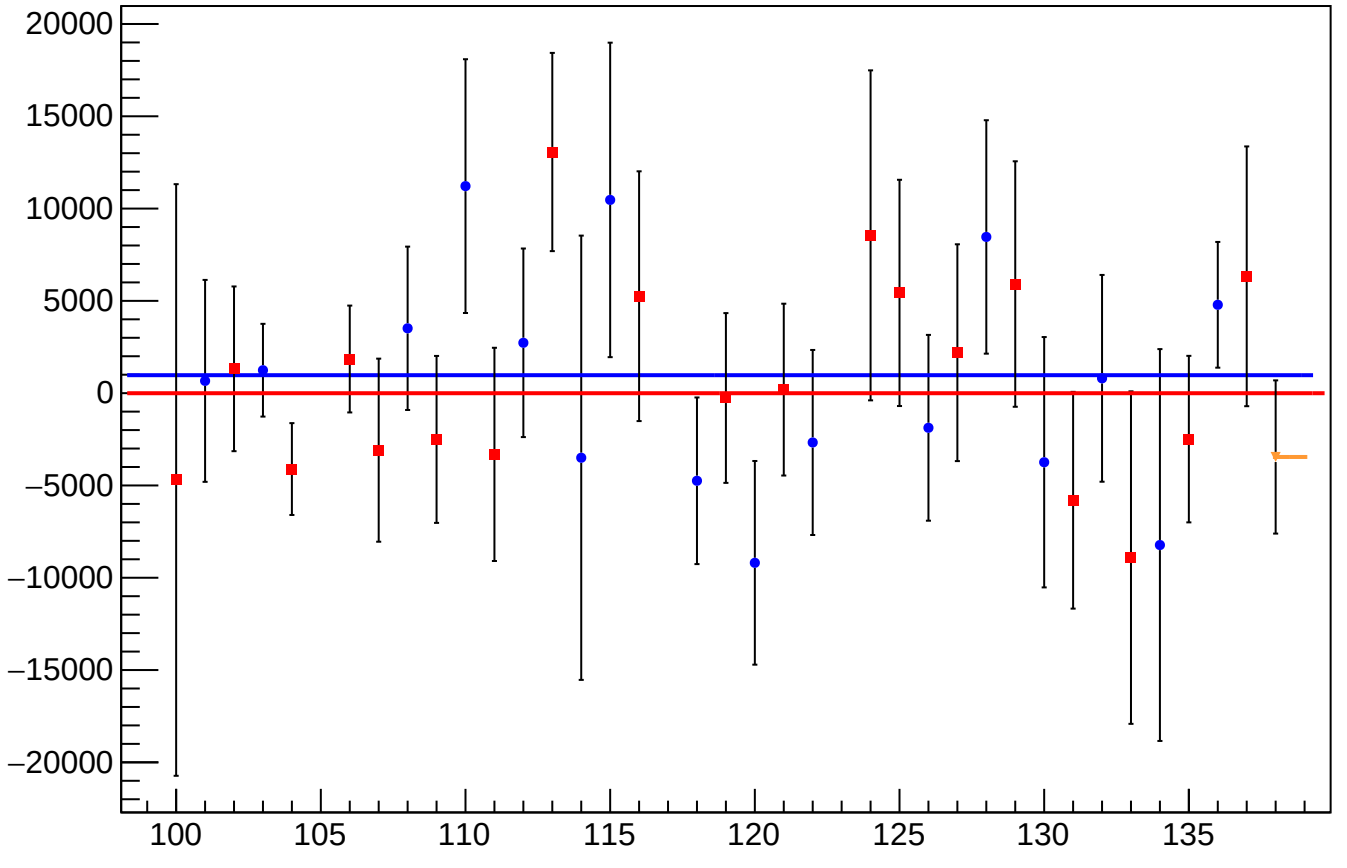
Left: 1200.908+/-0.961 χ^2/NDF: 0.0/0

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1117.684+/-0.302 χ^2/NDF:819835.1/15

Out: 1084.624+/-0.276 χ^2/NDF:665460.1/19

All: 1099.679+/-0.204 χ^2/NDF: 1491812.8/35



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -3457.244+/-4150.696 χ^2/NDF:0.0/0

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

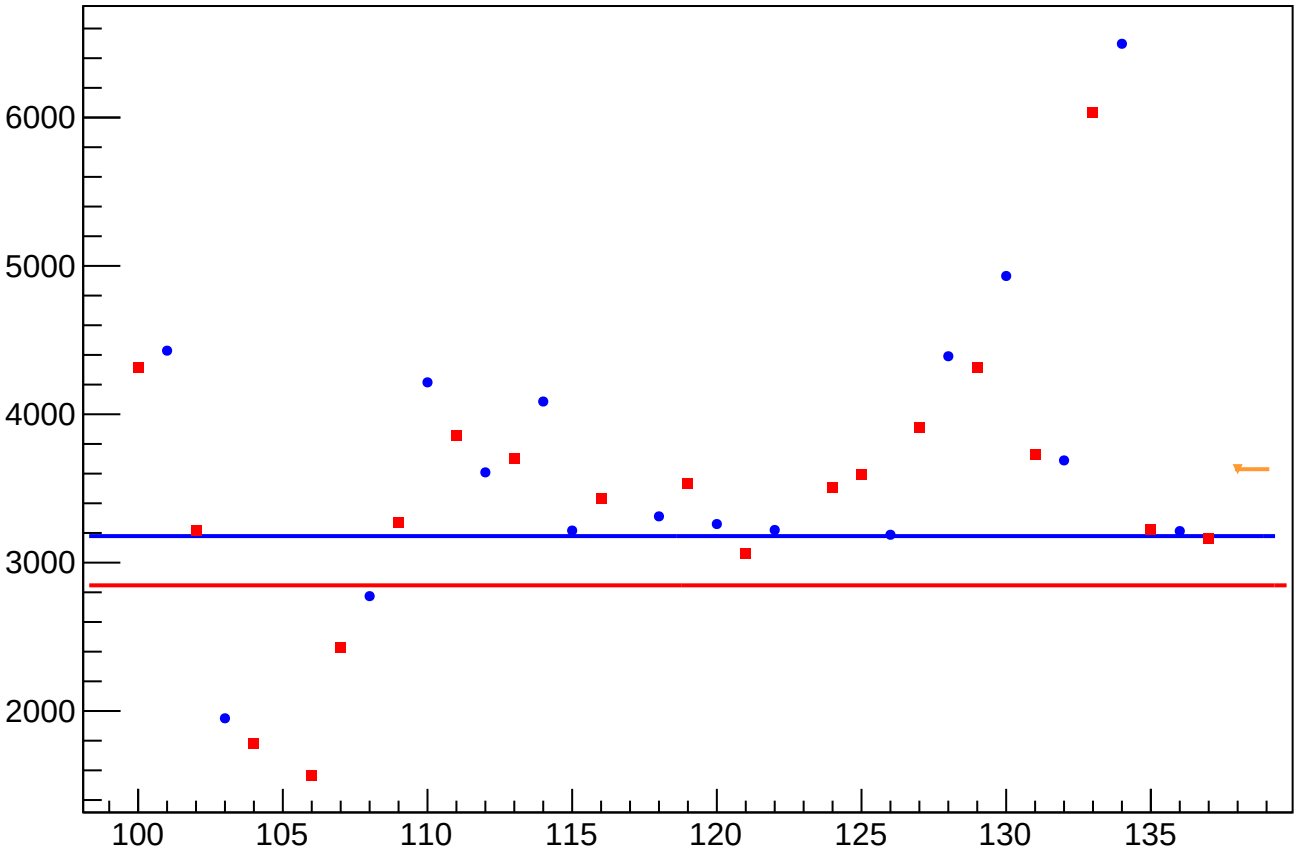
Left: -3457.244+/-4150.696 χ^2/NDF: 0.0/0

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 973.755+/-1232.754 χ^2/NDF:13.8/15

Out: -234.952+/-1075.830 χ^2/NDF:17.2/19

All: 287.619+/-810.566 χ^2/NDF: 31.6/35



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3629.770+/-2.935 χ^2/NDF:0.0/0

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

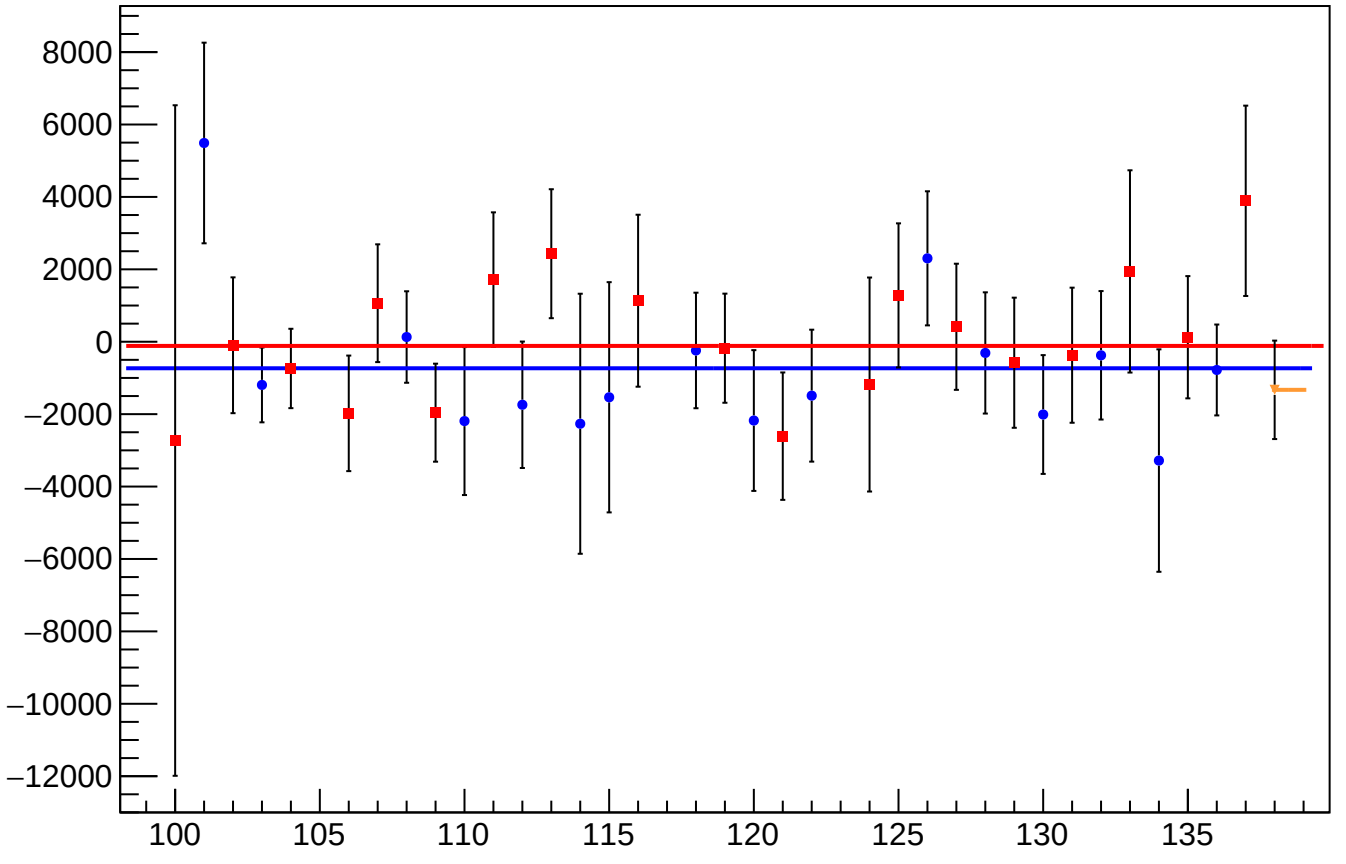
Left: 3629.770+/-2.935 χ^2/NDF: 0.0/0

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3178.870+/-0.872 χ^2/NDF:1091676.8/15

Out: 2899.602+/-0.761 χ^2/NDF:1577510.2/19

All: 3020.340+/-0.573 χ^2/NDF: 2727452.2/35



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: -1328.526+/-1359.451 χ^2/NDF:0.0/0

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

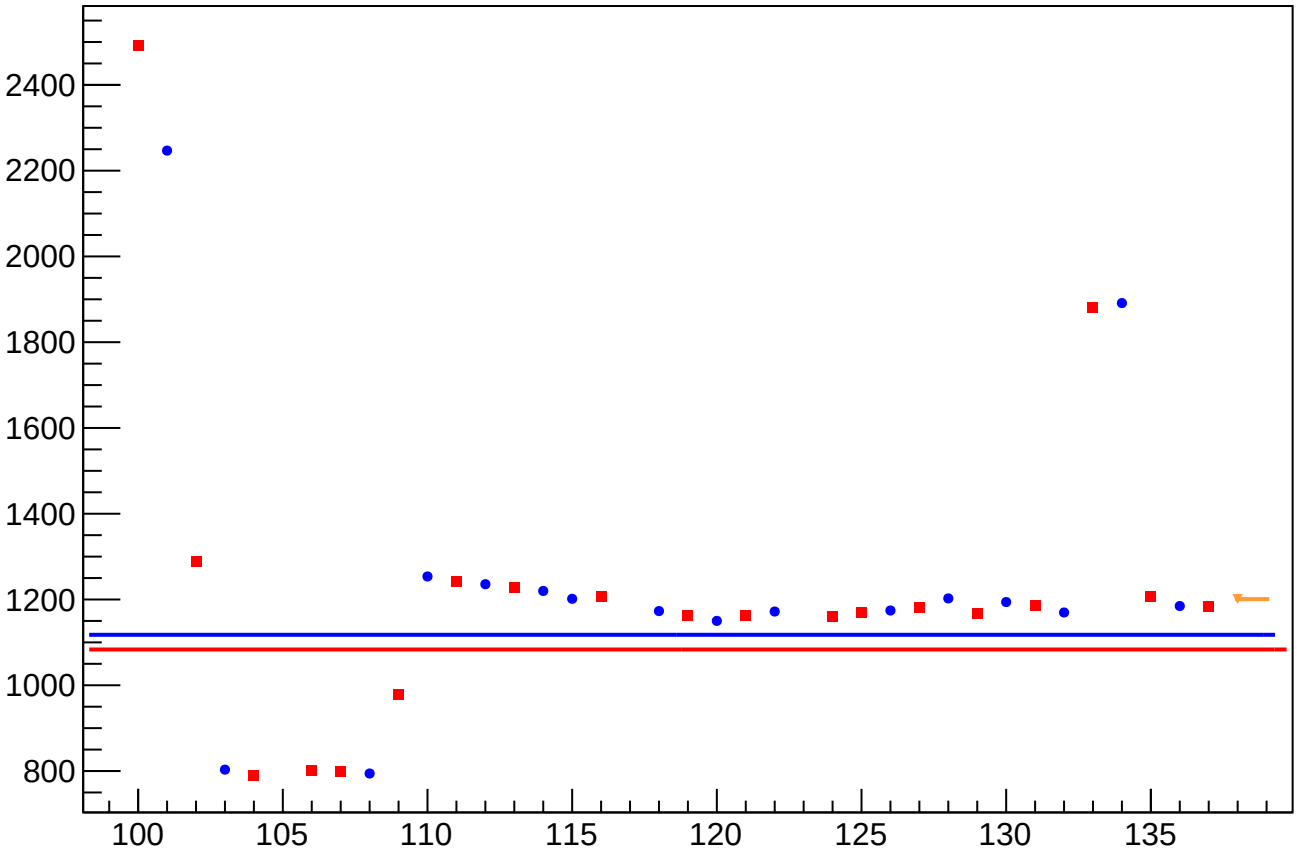
Left: -1328.526+/-1359.451 χ^2/NDF: 0.0/0

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -732.682+/-427.385 χ^2/NDF:11.7/15

Out: -217.112+/-393.801 χ^2/NDF:13.9/19

All: -453.847+/-289.605 χ^2/NDF: 26.4/35



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1200.908+/-0.961 χ^2/NDF:0.0/0

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

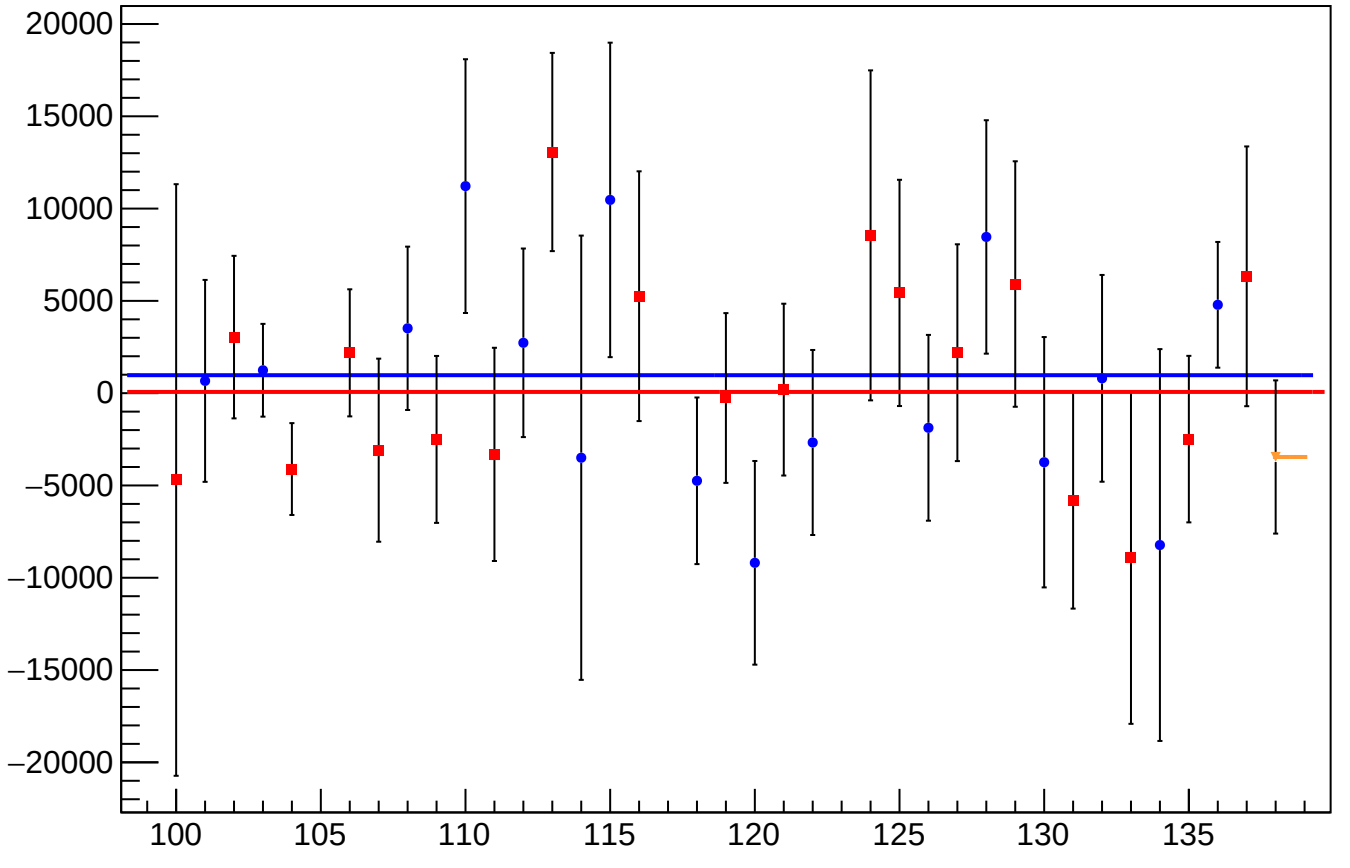
Left: 1200.908+/-0.961 χ^2/NDF: 0.0/0

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1117.684+/-0.302 χ^2/NDF:819831.7/15

Out: 1093.245+/-0.278 χ^2/NDF:608705.2/19

All: 1104.445+/-0.205 χ^2/NDF: 1432079.6/35



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -3457.258+/-4150.689 χ^2/NDF:0.0/0

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

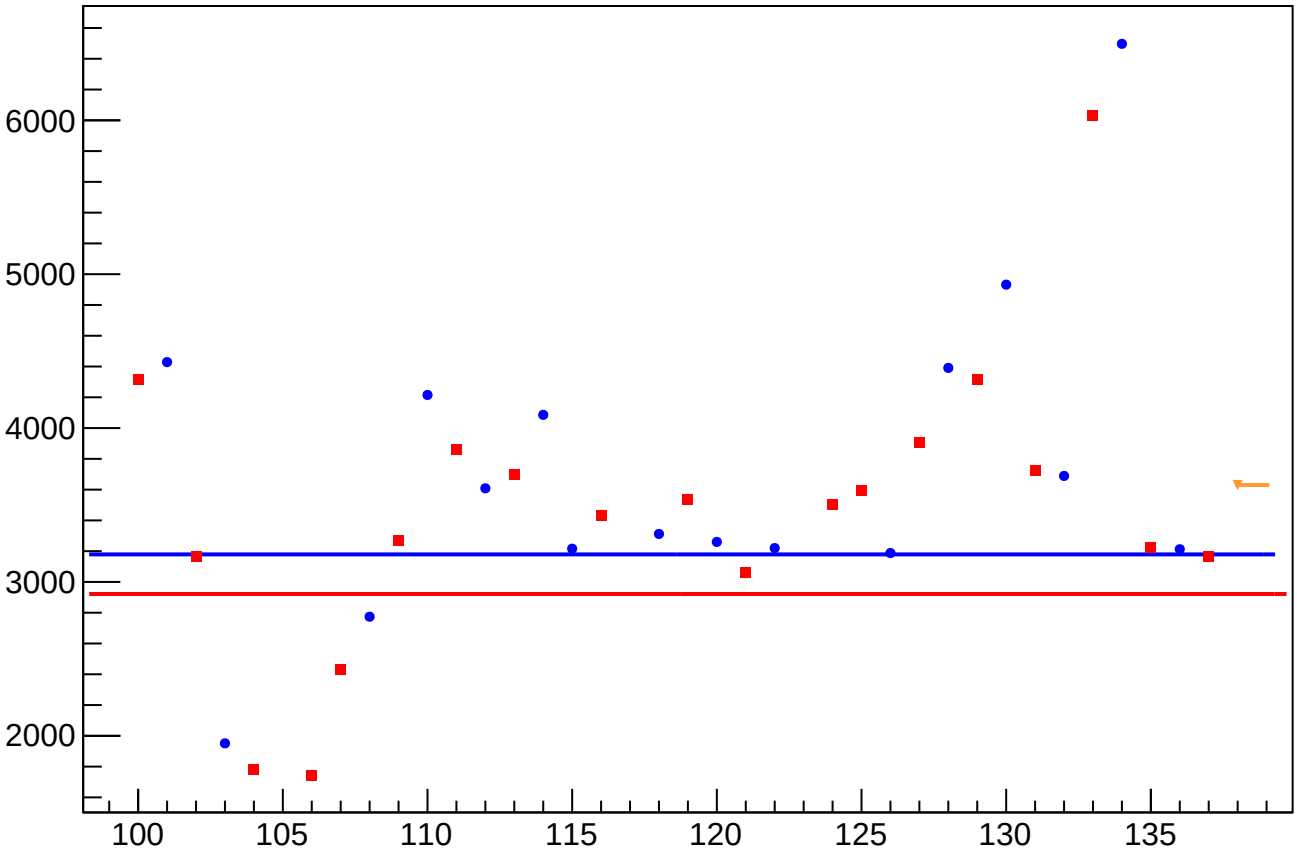
Left: -3457.258+/-4150.689 χ^2/NDF: 0.0/0

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 973.256+/-1232.803 χ^2/NDF:13.8/15

Out: -179.248+/-1097.401 χ^2/NDF:17.6/19

All: 330.261+/-819.687 χ^2/NDF: 31.9/35



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3629.763+/-2.935 χ^2/NDF:0.0/0

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

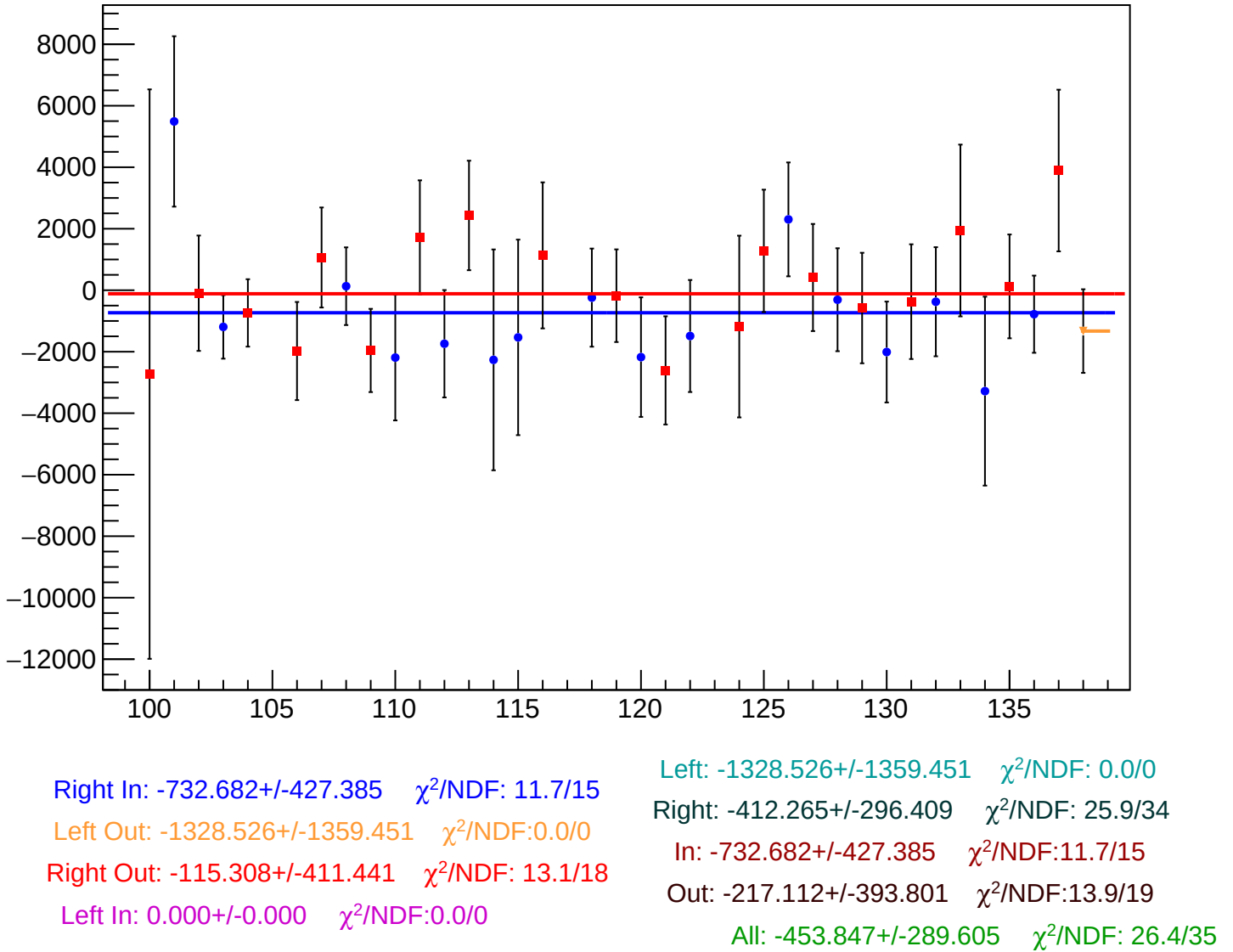
Left: 3629.763+/-2.935 χ^2/NDF: 0.0/0

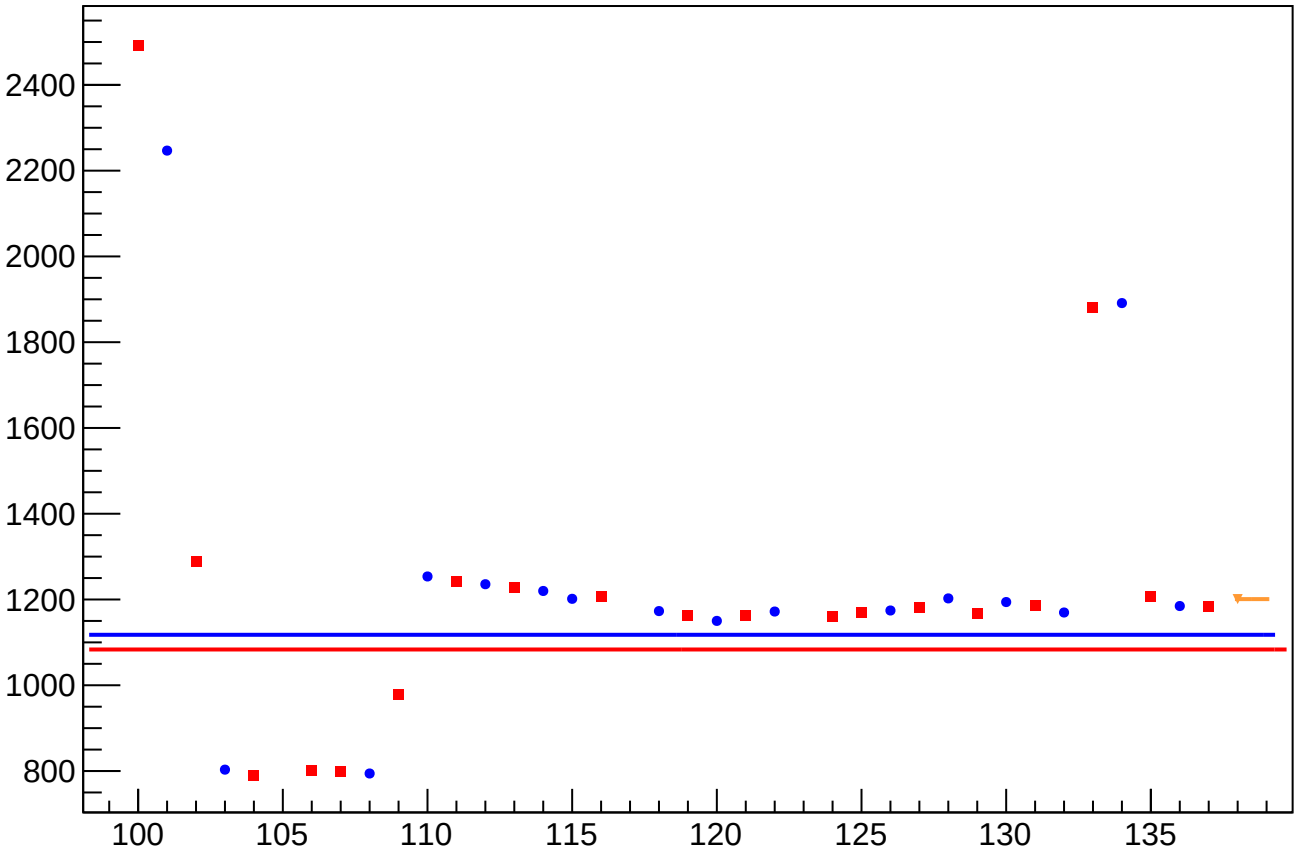
Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3179.054+/-0.872 χ^2/NDF:1091236.5/15

Out: 2971.140+/-0.776 χ^2/NDF:1367032.2/19

All: 3063.056+/-0.580 χ^2/NDF: 2490006.4/35


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
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: -1328.526+/-1359.451 χ²/NDF:0.0/0
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -1328.526+/-1359.451 χ²/NDF: 0.0/0
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -732.682+/-427.385 χ²/NDF:11.7/15
Out: -217.112+/-393.801 χ²/NDF:13.9/19
All: -453.847+/-289.605 χ²/NDF: 26.4/35



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1200.908+/-0.961 χ^2/NDF:0.0/0

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

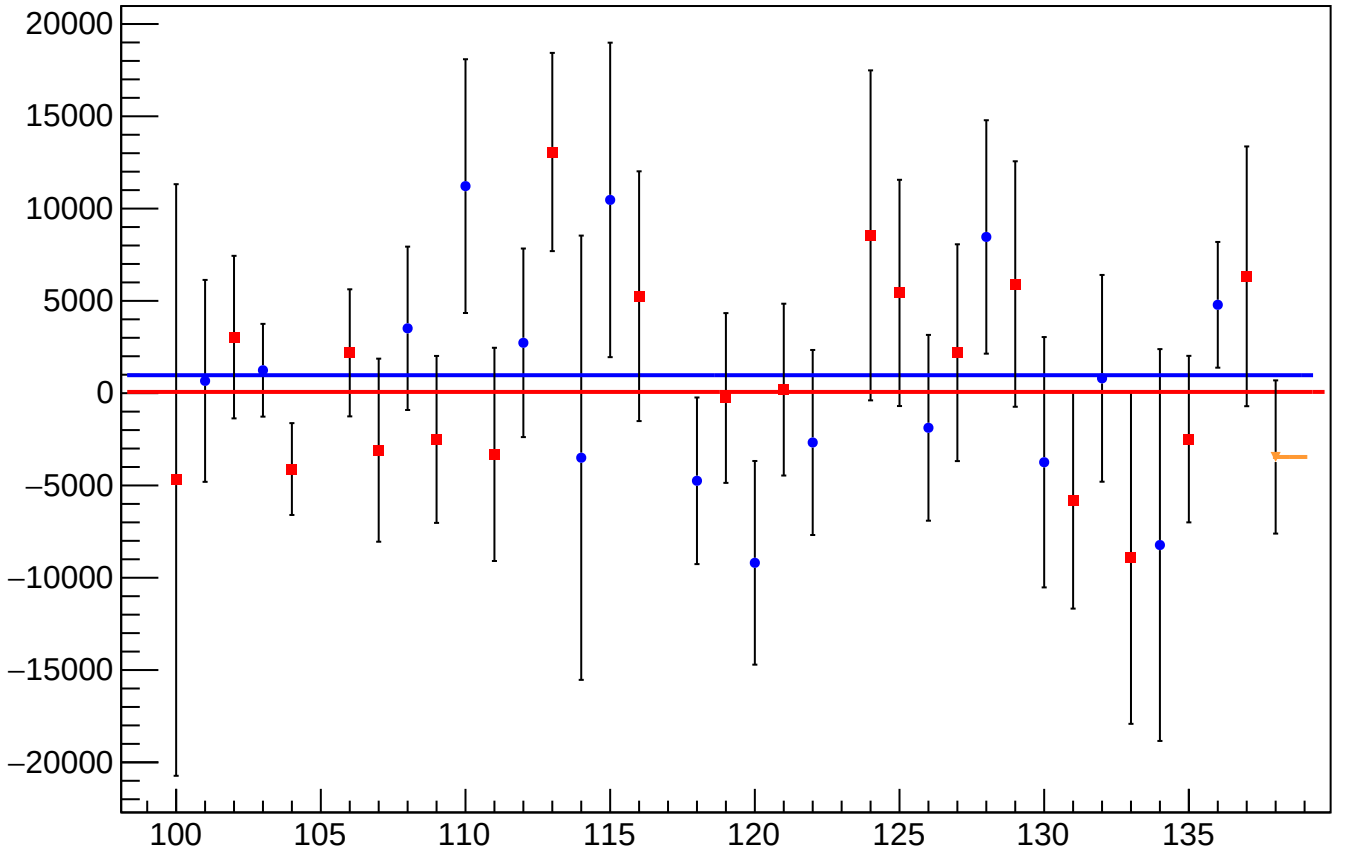
Left: 1200.908+/-0.961 χ^2/NDF: 0.0/0

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1117.684+/-0.302 χ^2/NDF:819831.7/15

Out: 1093.245+/-0.278 χ^2/NDF:608705.2/19

All: 1104.445+/-0.205 χ^2/NDF: 1432079.6/35



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -3457.258+/-4150.689 χ^2/NDF:0.0/0

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

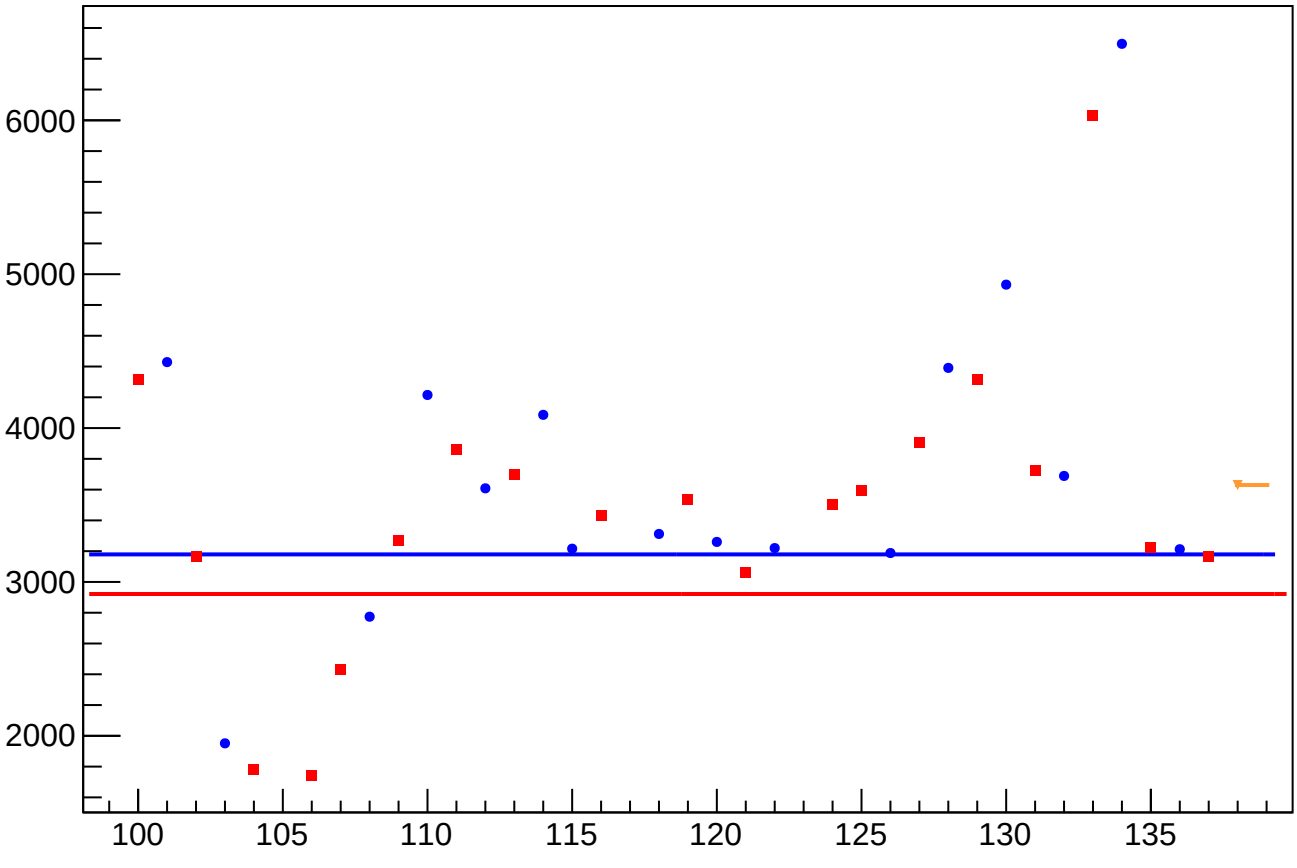
Left: -3457.258+/-4150.689 χ^2/NDF: 0.0/0

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 973.256+/-1232.803 χ^2/NDF:13.8/15

Out: -179.248+/-1097.401 χ^2/NDF:17.6/19

All: 330.261+/-819.687 χ^2/NDF: 31.9/35



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3629.763+/-2.935 χ^2/NDF:0.0/0

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

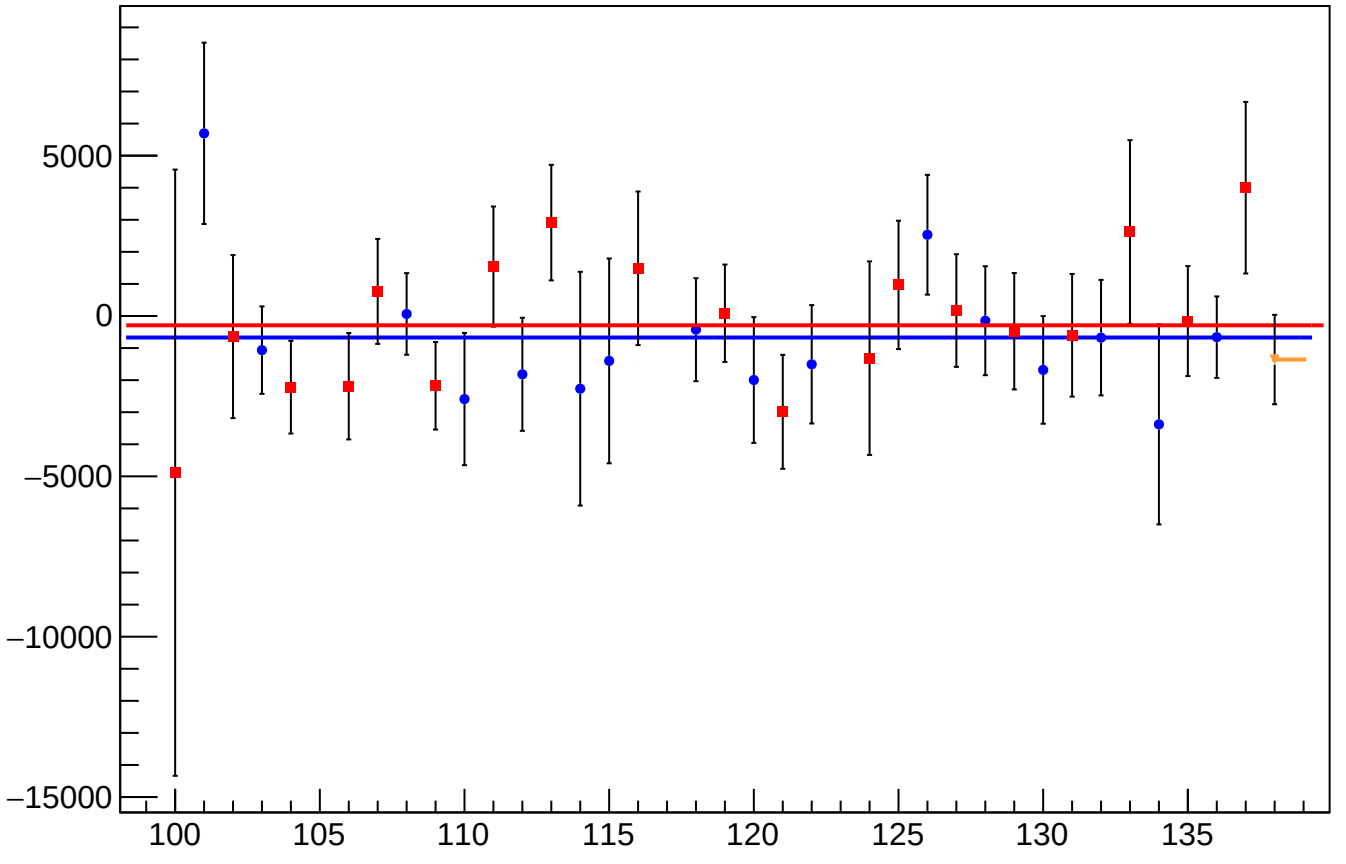
Left: 3629.763+/-2.935 χ^2/NDF: 0.0/0

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3179.054+/-0.872 χ^2/NDF:1091236.5/15

Out: 2971.140+/-0.776 χ^2/NDF:1367032.2/19

All: 3063.056+/-0.580 χ^2/NDF: 2490006.4/35



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: -1357.986+/-1393.582 χ^2/NDF:0.0/0

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1357.986+/-1393.582 χ^2/NDF: 0.0/0

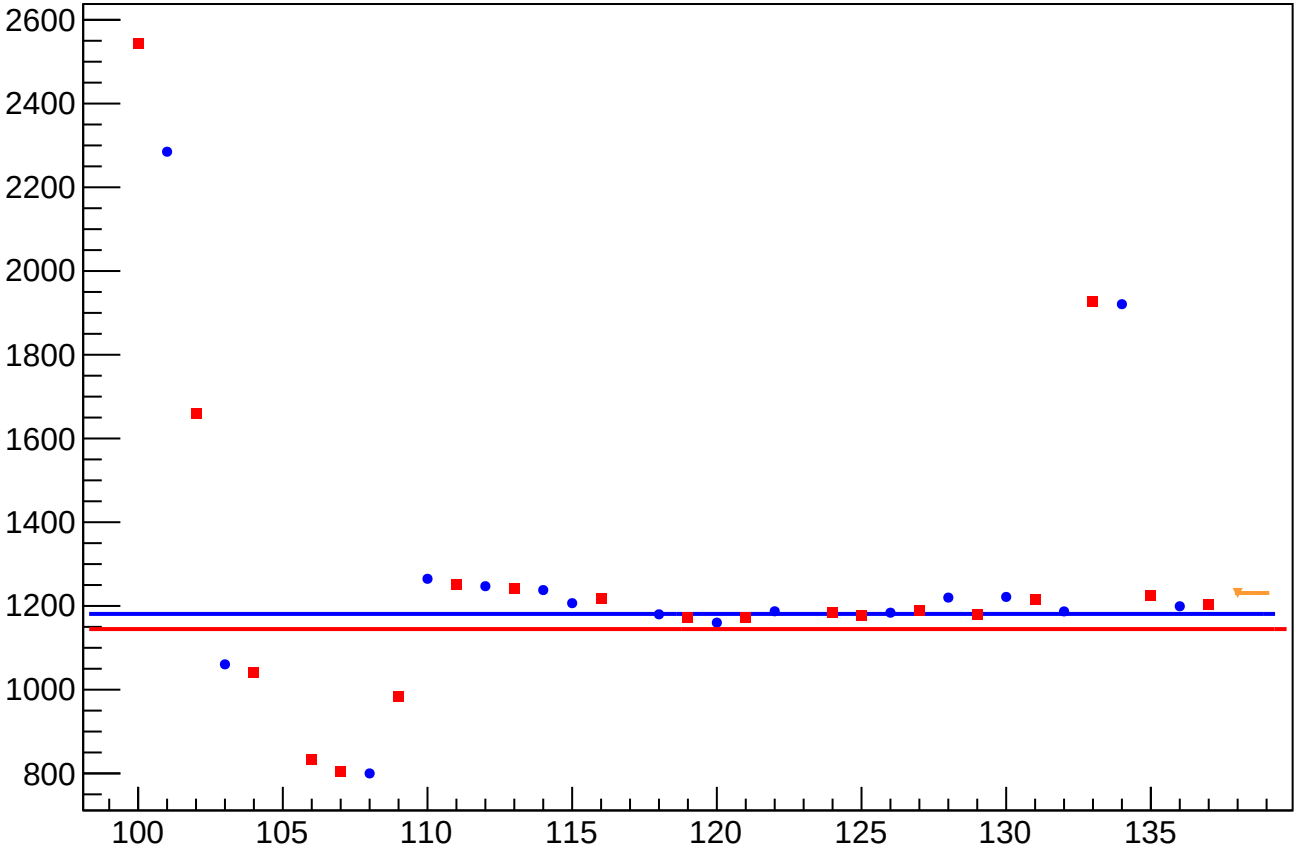
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -670.819+/-448.500 χ^2/NDF:11.9/15

Out: -384.875+/-414.740 χ^2/NDF:17.5/19

All: -516.682+/-304.502 χ^2/NDF: 29.6/35

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1230.926+/-0.985 χ^2/NDF:0.0/0

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

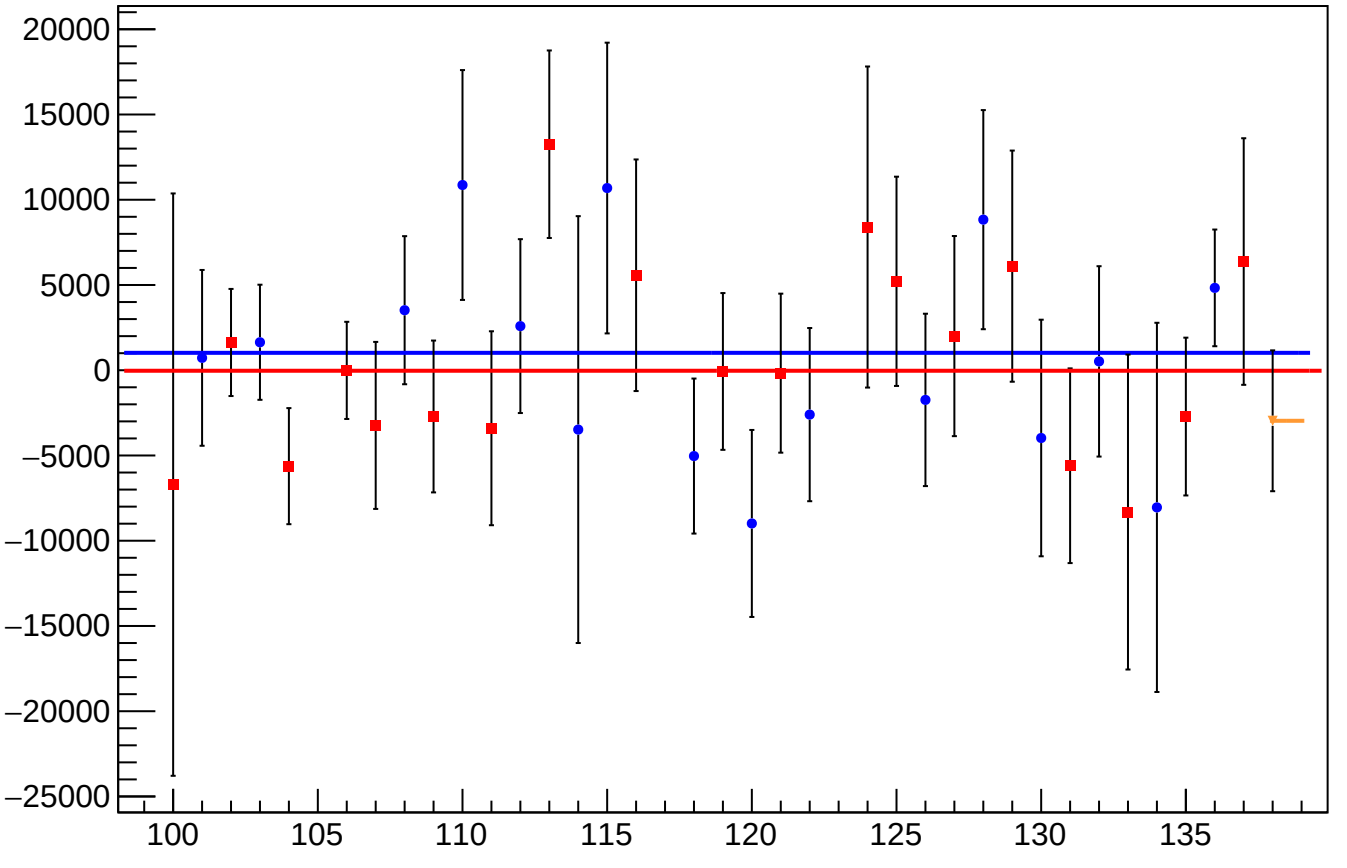
Left: 1230.926+/-0.985 χ^2/NDF: 0.0/0

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1180.955+/-0.317 χ^2/NDF:621878.6/15

Out: 1152.401+/-0.293 χ^2/NDF:504697.4/19

All: 1165.557+/-0.215 χ^2/NDF: 1130947.8/35



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -2965.406+/-4130.565 χ^2/NDF:0.0/0

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

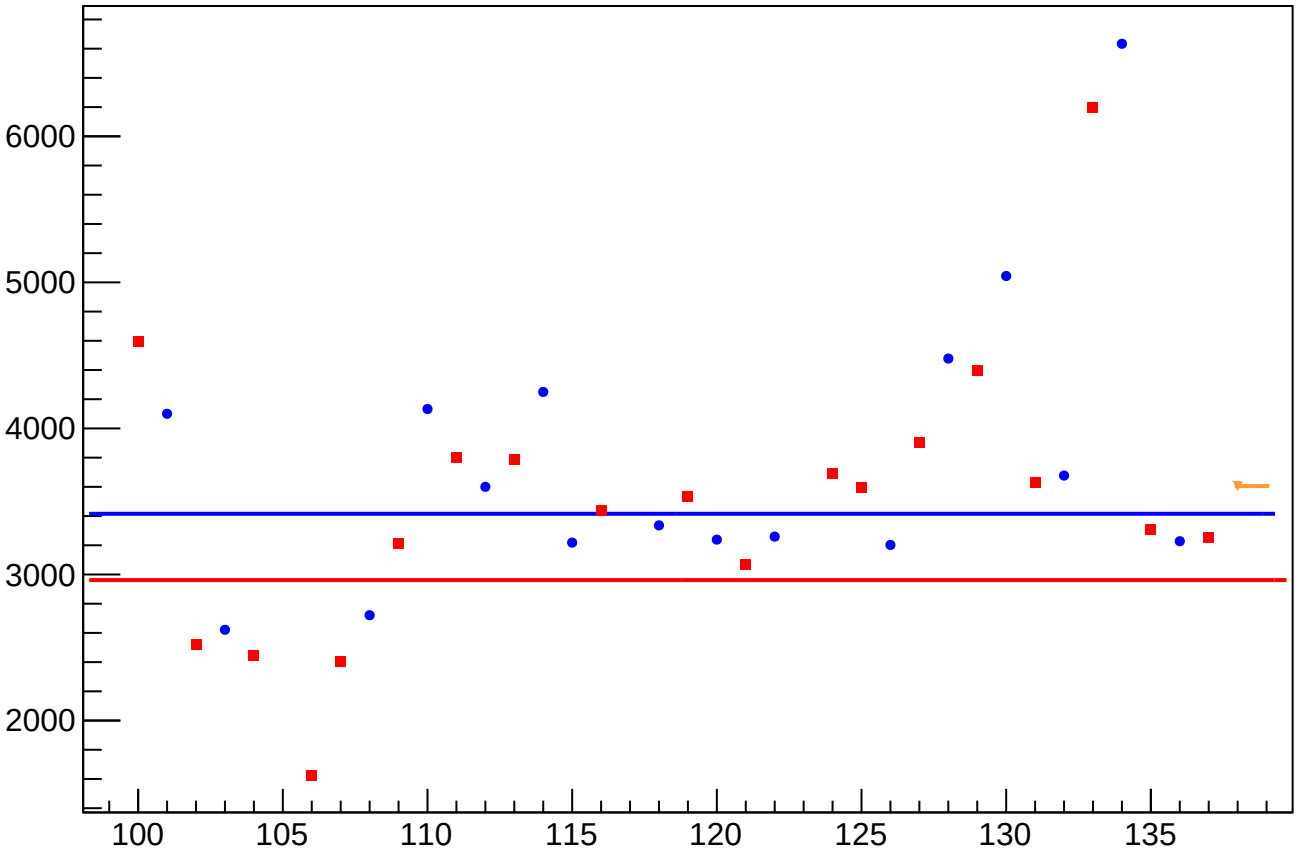
Left: -2965.406+/-4130.565 χ^2/NDF: 0.0/0

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 1021.047+/-1302.431 χ^2/NDF:13.9/15

Out: -234.767+/-1090.616 χ^2/NDF:16.6/19

All: 282.849+/-836.172 χ^2/NDF: 31.0/35



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3605.234+/-2.921 χ^2/NDF:0.0/0

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

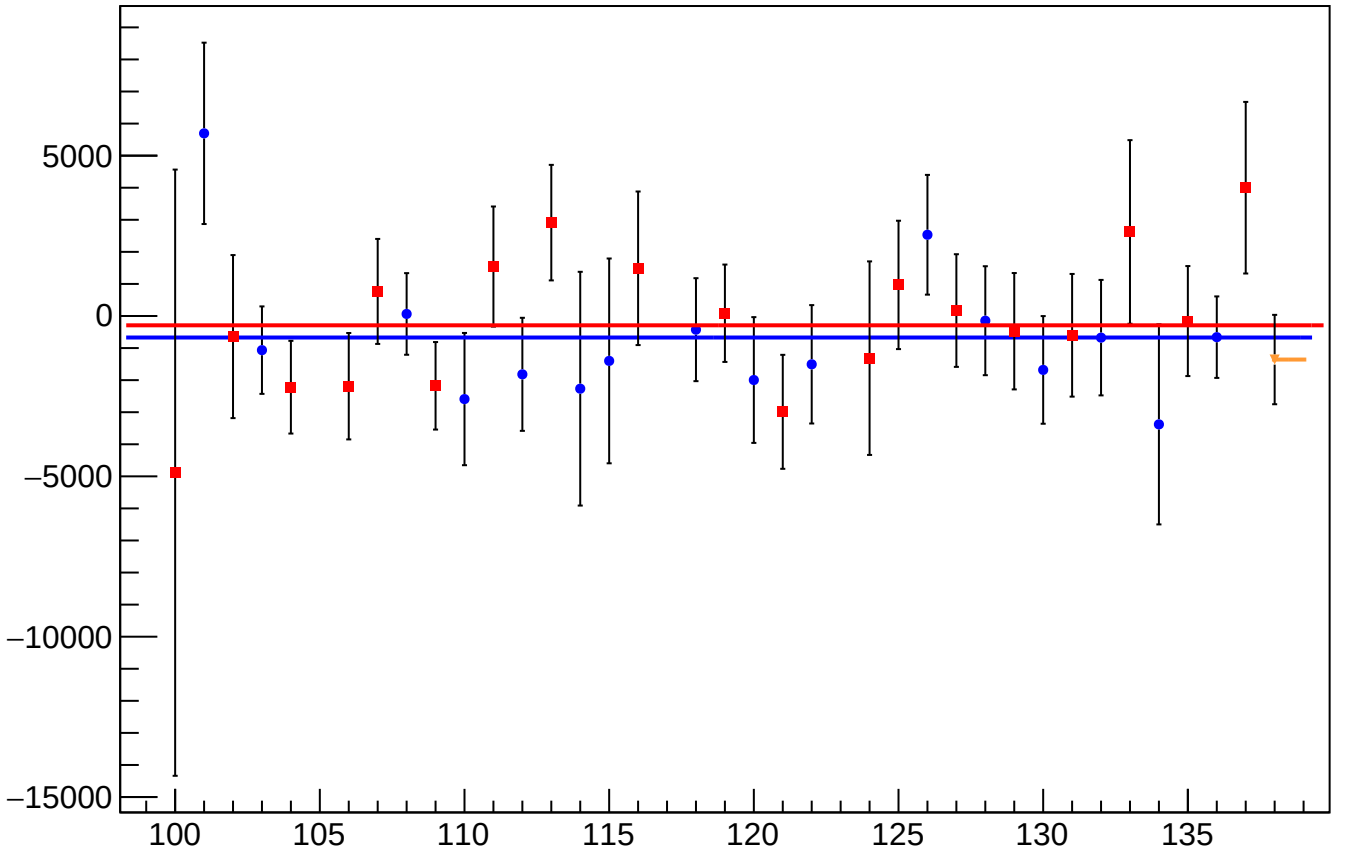
Left: 3605.234+/-2.921 χ^2/NDF: 0.0/0

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3415.595+/-0.921 χ^2/NDF:592344.0/15

Out: 3006.655+/-0.771 χ^2/NDF:1214405.3/19

All: 3175.210+/-0.591 χ^2/NDF: 1922650.1/35



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: -1357.982+/-1393.583 χ^2/NDF:0.0/0

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

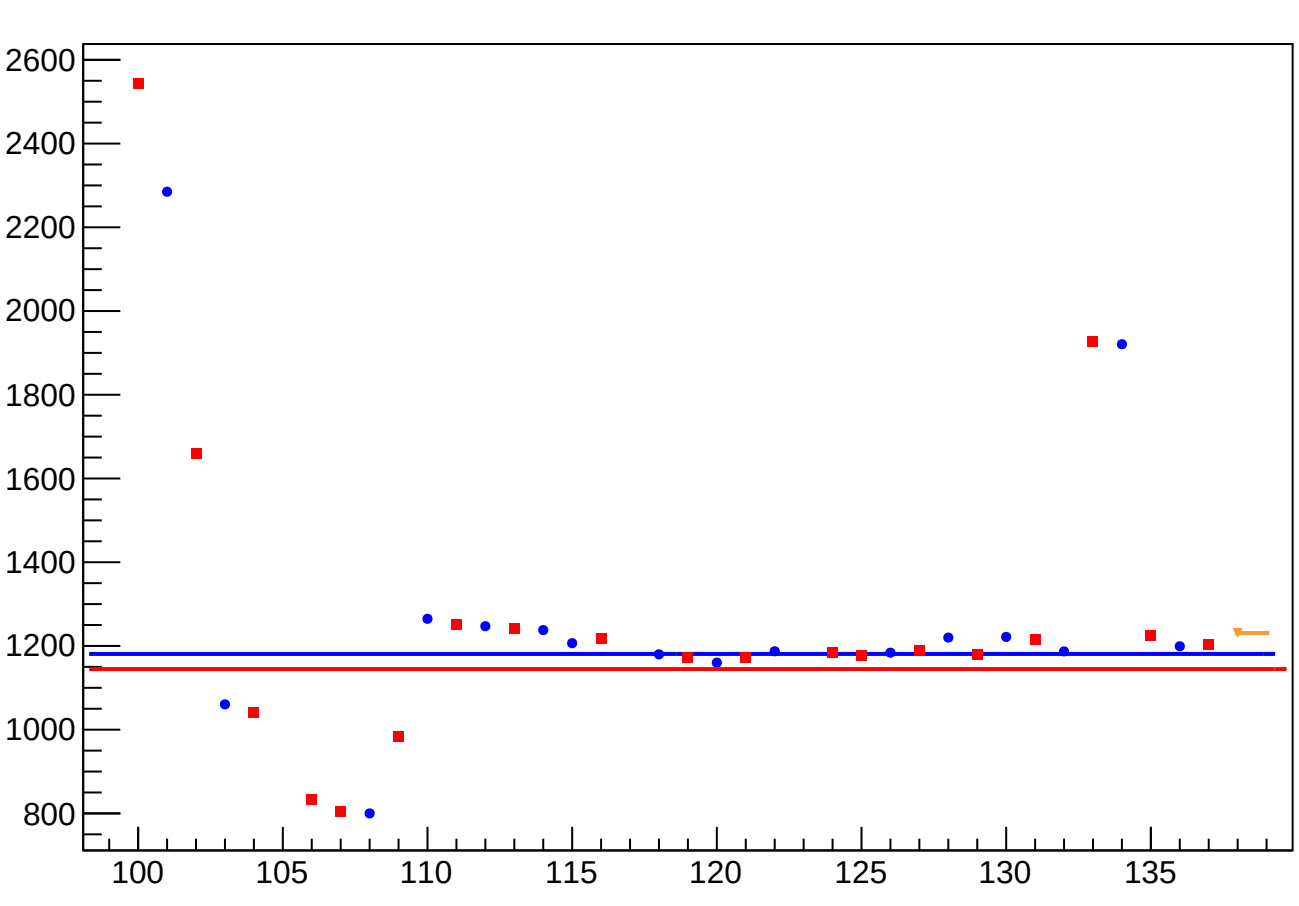
Left: -1357.982+/-1393.583 χ^2/NDF: 0.0/0

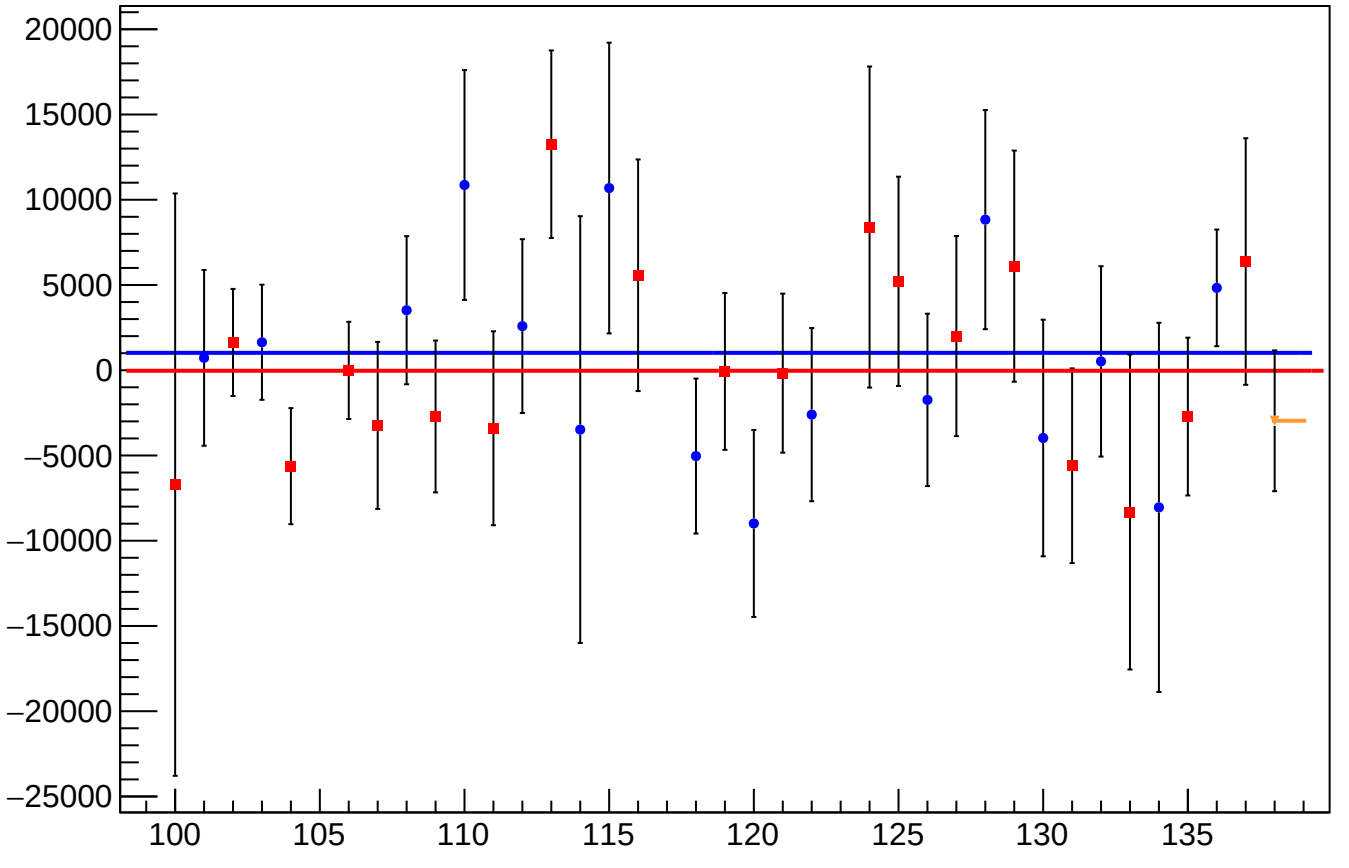
Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -670.824+/-448.500 χ^2/NDF:11.9/15

Out: -384.880+/-414.740 χ^2/NDF:17.5/19

All: -516.686+/-304.502 χ^2/NDF: 29.6/35


eigen_dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
100
105
110
115
120
125
130
135
Right In: 1180.955+/-0.317 χ²/NDF: 621878.9/15
Left Out: 1230.927+/-0.985 χ²/NDF:0.0/0
Right Out: 1144.777+/-0.307 χ²/NDF: 497730.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1230.927+/-0.985 χ²/NDF: 0.0/0
Right: 1162.281+/-0.221 χ²/NDF: 1126326.4/34
In: 1180.955+/-0.317 χ²/NDF:621878.9/15
Out: 1152.401+/-0.293 χ²/NDF:504697.1/19
All: 1165.557+/-0.215 χ²/NDF: 1130947.6/35



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -2965.401+/-4130.568 χ^2/NDF:0.0/0

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -2965.401+/-4130.568 χ^2/NDF: 0.0/0

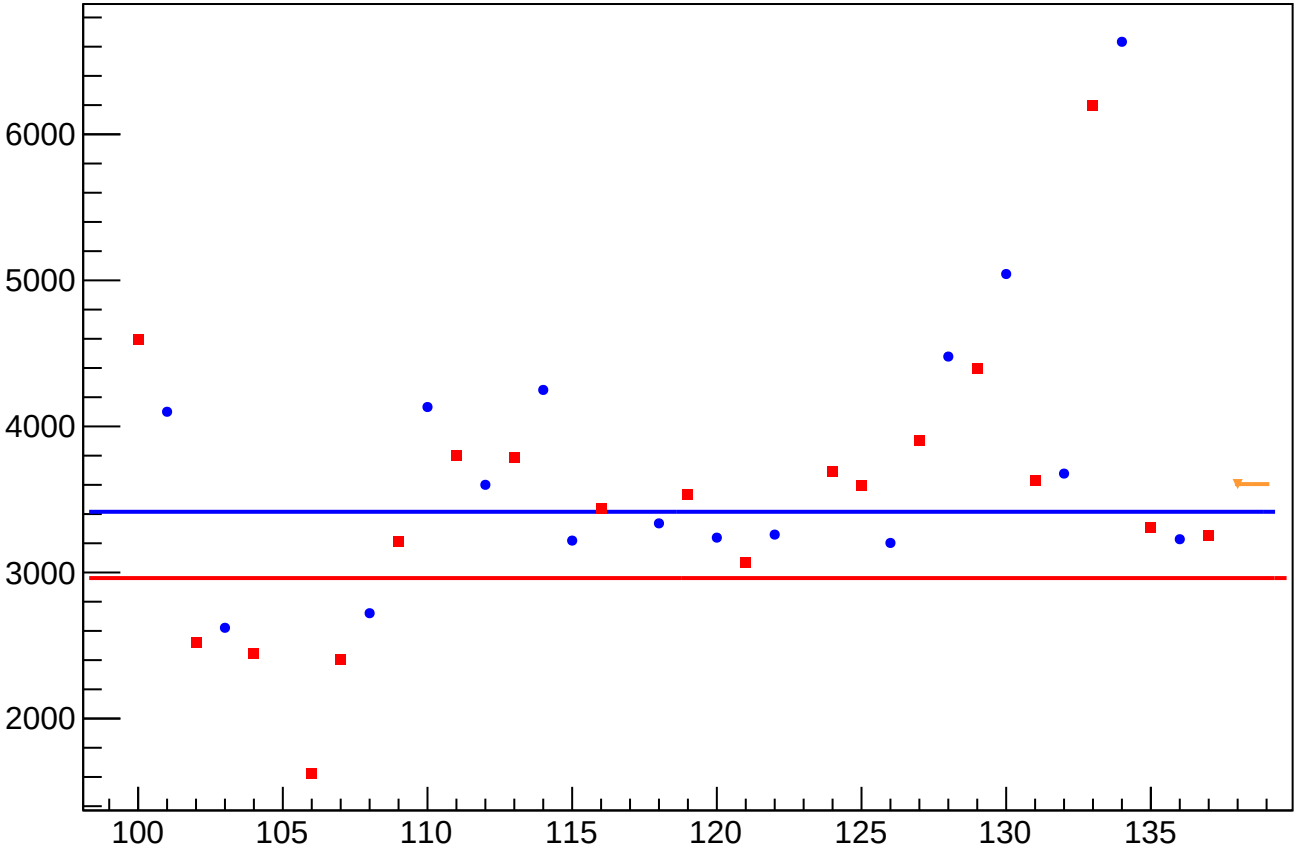
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 1021.029+/-1302.430 χ^2/NDF:13.9/15

Out: -234.772+/-1090.614 χ^2/NDF:16.6/19

All: 282.838+/-836.171 χ^2/NDF: 31.0/35

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: 3605.237+/-2.921 χ^2/NDF:0.0/0

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

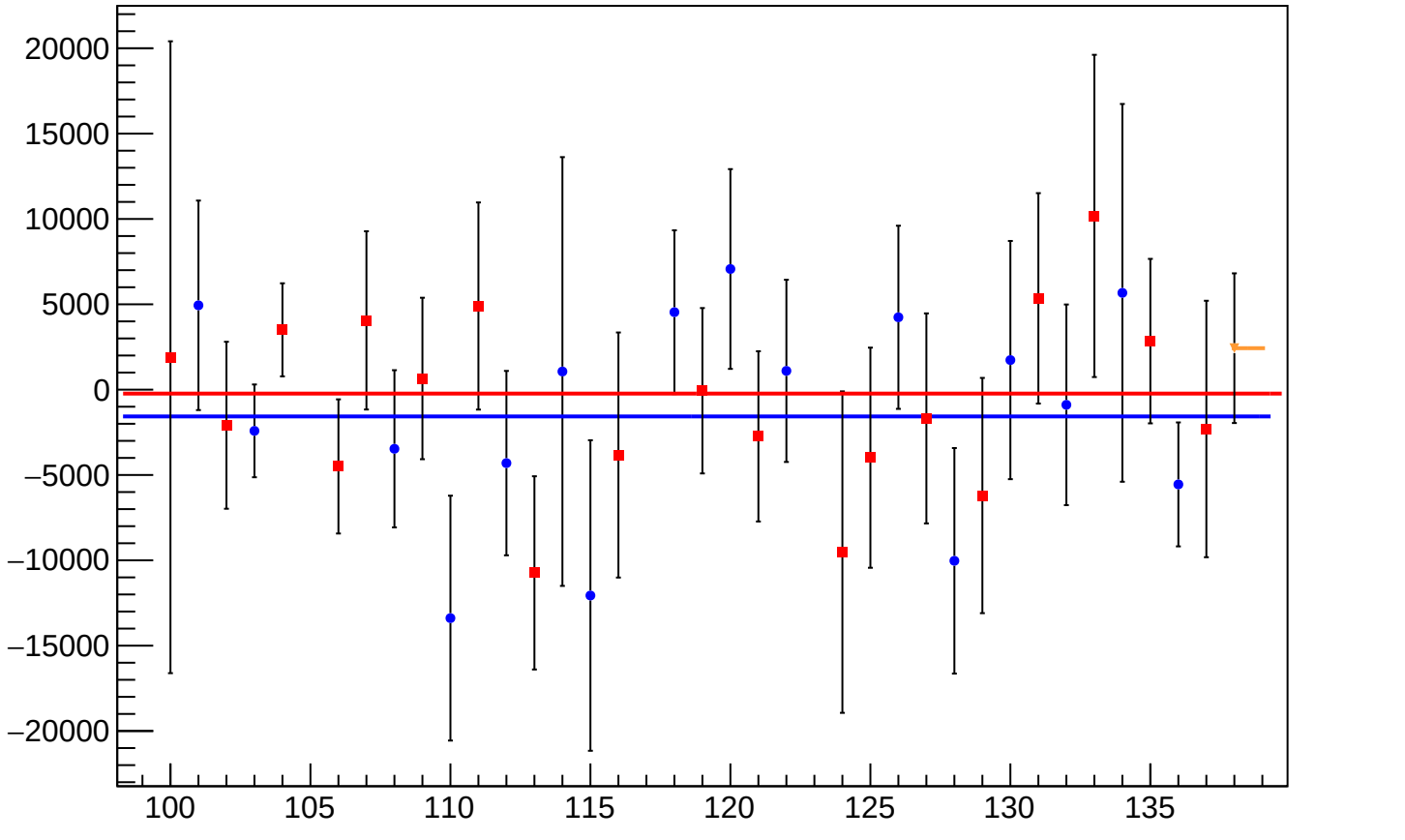
Left: 3605.237+/-2.921 χ^2/NDF: 0.0/0

Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3415.591+/-0.921 χ^2/NDF:592339.1/15

Out: 3006.651+/-0.771 χ^2/NDF:1214406.0/19

All: 3175.206+/-0.591 χ^2/NDF: 1922646.8/35



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 2428.921+/-4385.071 χ^2/NDF:0.0/0

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2428.921+/-4385.071 χ^2/NDF: 0.0/0

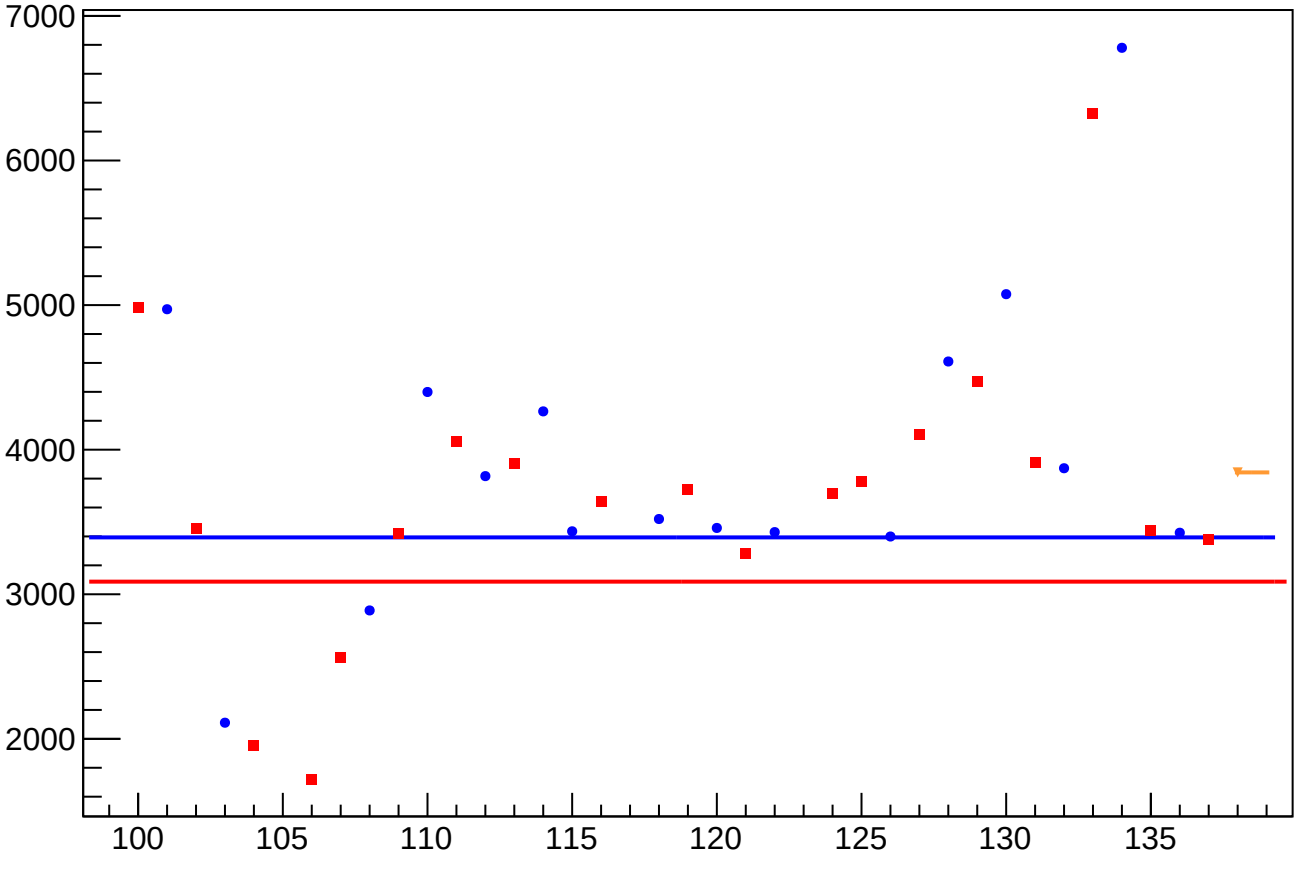
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -1569.809+/-1312.937 χ^2/NDF:14.5/15

Out: -38.761+/-1179.218 χ^2/NDF:13.6/19

All: -722.371+/-877.311 χ^2/NDF: 28.8/35

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3842.833+/-3.101 χ^2/NDF:0.0/0

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

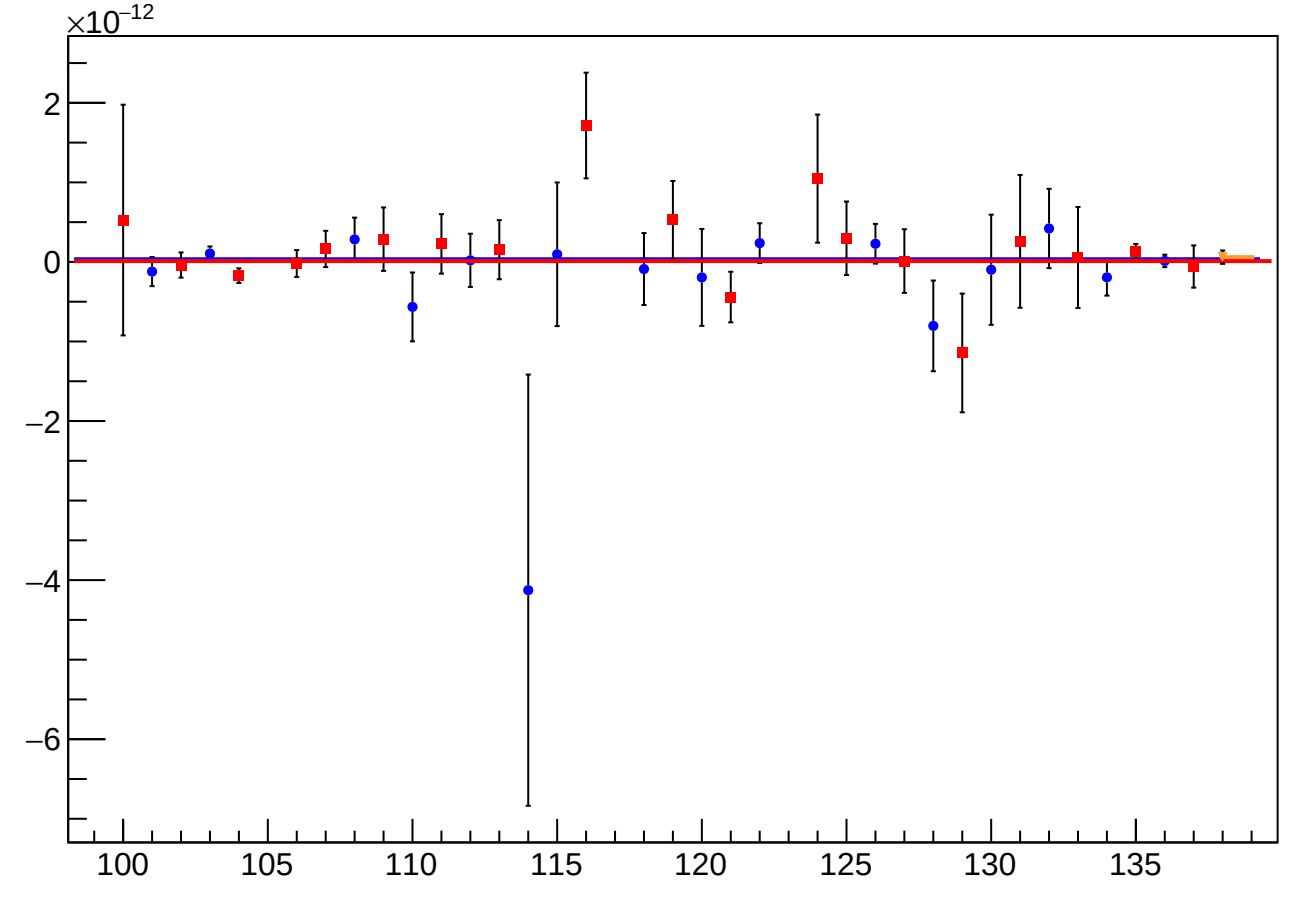
Left: 3842.833+/-3.101 χ^2/NDF: 0.0/0

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3393.365+/-0.928 χ^2/NDF:1048707.6/15

Out: 3140.256+/-0.821 χ^2/NDF:1383566.1/19

All: 3251.309+/-0.615 χ^2/NDF: 2473990.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

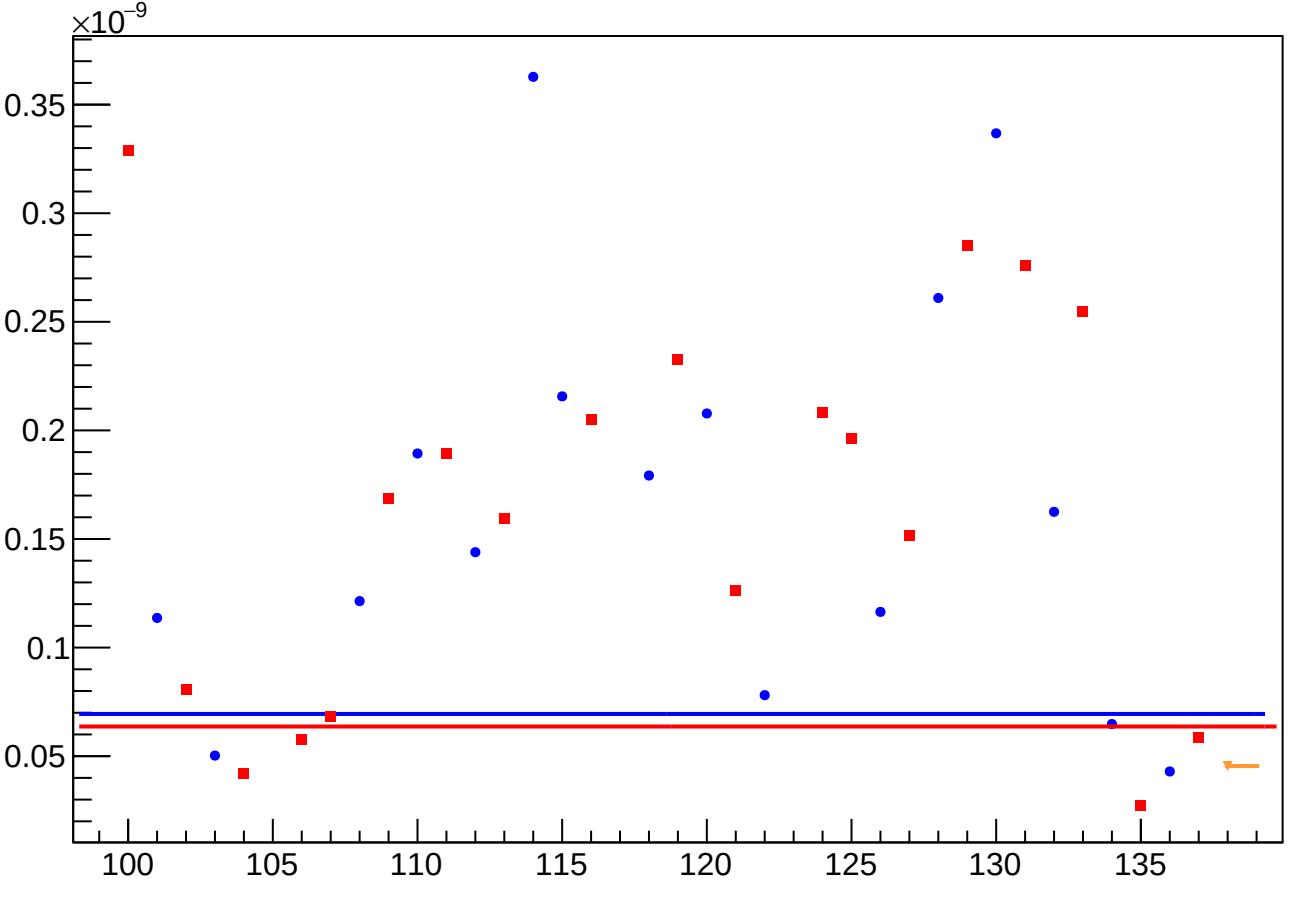
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:11.8/15

Out: 0.000+/-0.000 χ^2/NDF:22.1/19

All: 0.000+/-0.000 χ^2/NDF: 34.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

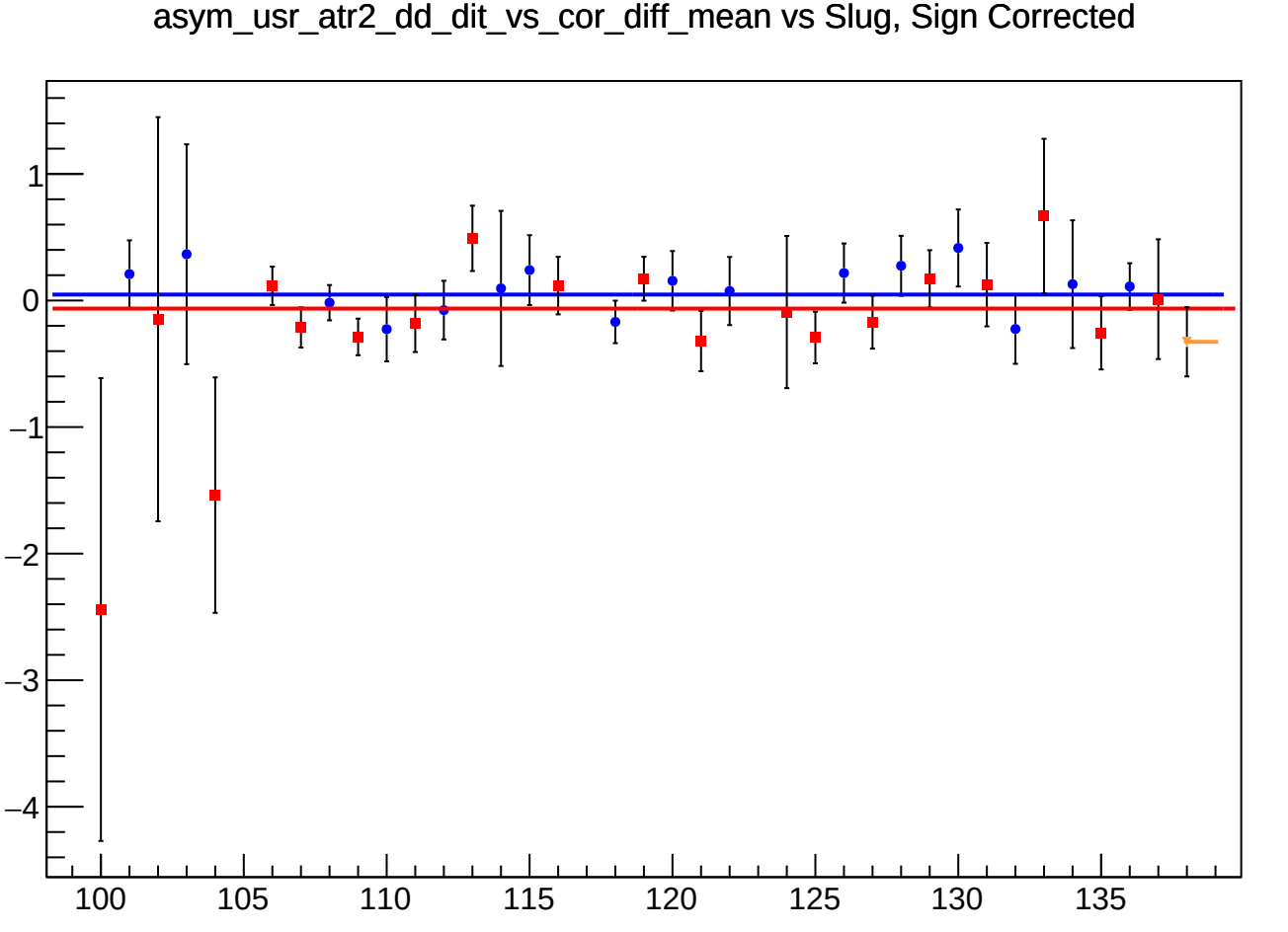
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:1729471.8/15

Out: 0.000+/-0.000 χ^2/NDF:2320088.6/19

All: 0.000+/-0.000 χ^2/NDF: 4101762.2/35



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.326+/-0.273 χ^2/NDF:0.0/0

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

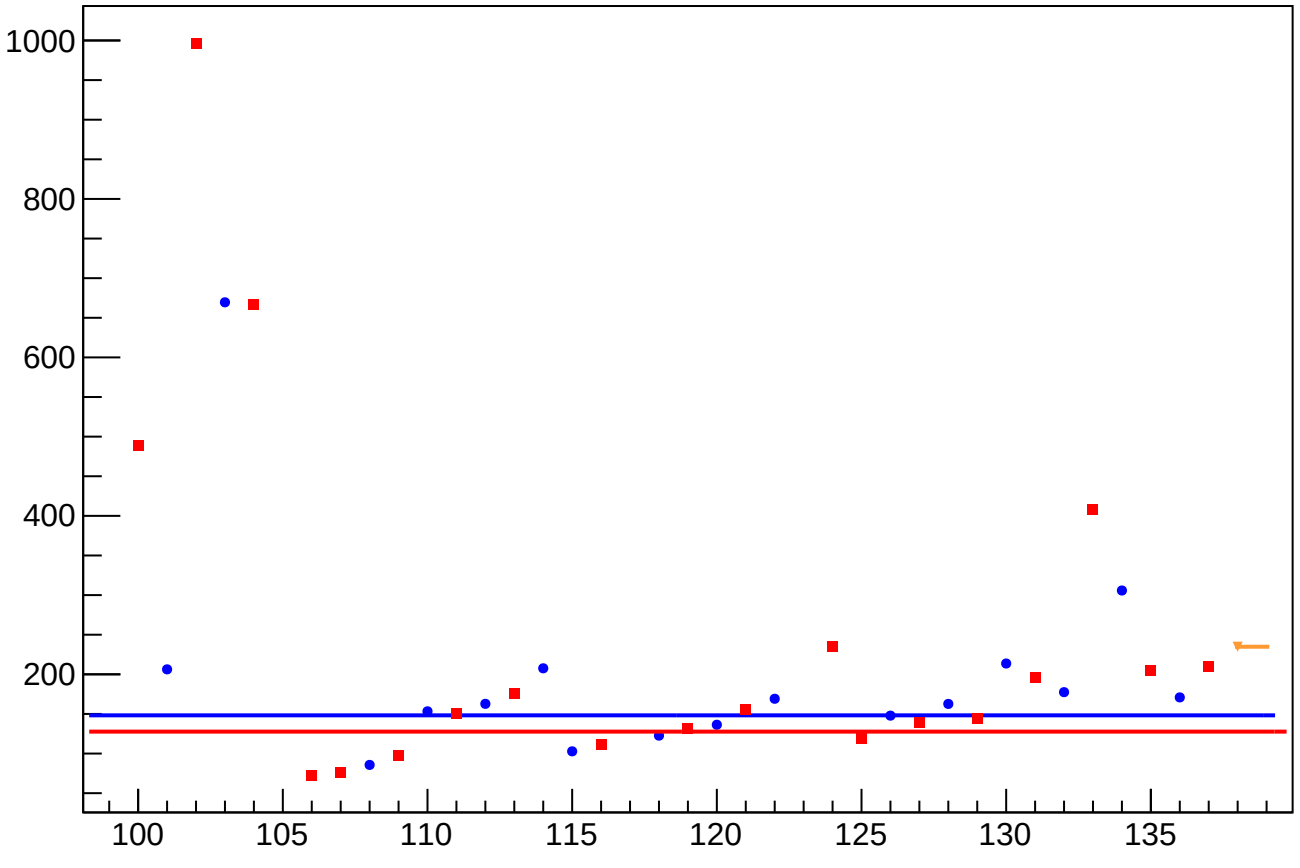
Left: -0.326+/-0.273 χ^2/NDF: 0.0/0

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.047+/-0.060 χ^2/NDF:8.6/15

Out: -0.074+/-0.054 χ^2/NDF:23.1/19

All: -0.020+/-0.040 χ^2/NDF: 33.9/35



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 234.834+/-0.193 χ^2/NDF:0.0/0

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

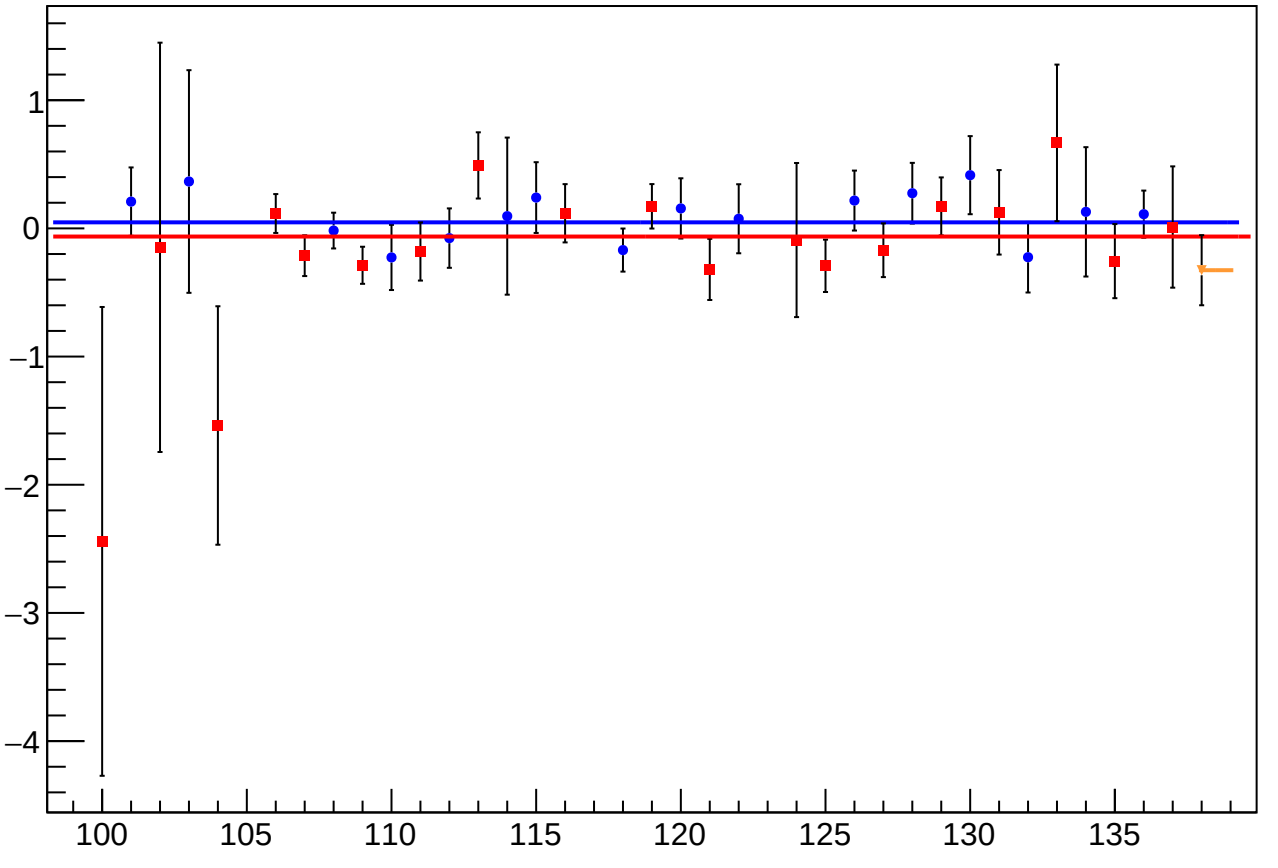
Left: 234.834+/-0.193 χ^2/NDF: 0.0/0

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 148.240+/-0.042 χ^2/NDF:1710035.6/15

Out: 131.802+/-0.038 χ^2/NDF:3136958.3/19

All: 139.095+/-0.028 χ^2/NDF: 4930435.3/35



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.326+/-0.273 χ^2/NDF:0.0/0

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.326+/-0.273 χ^2/NDF: 0.0/0

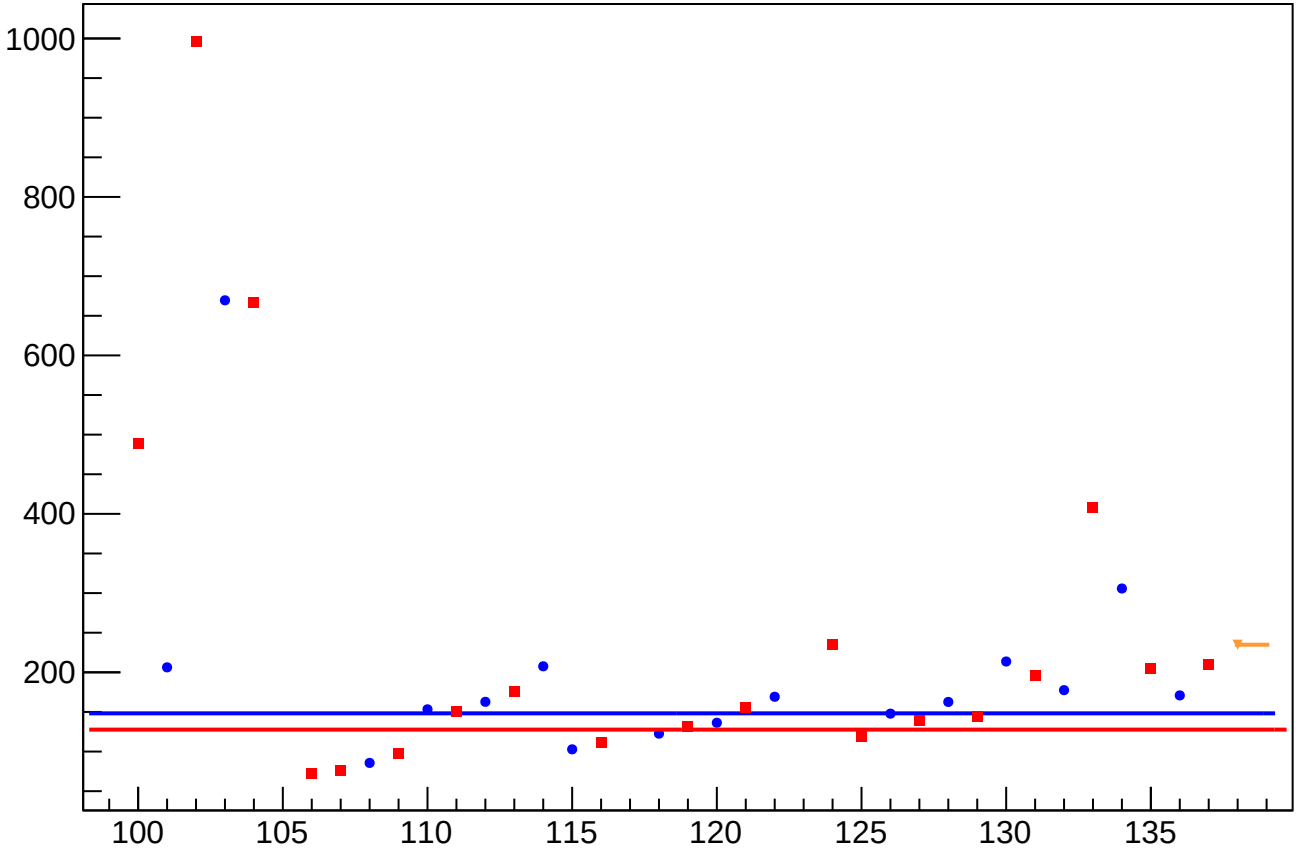
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.047+/-0.060 χ^2/NDF:8.6/15

Out: -0.074+/-0.054 χ^2/NDF:23.1/19

All: -0.020+/-0.040 χ^2/NDF: 33.9/35

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: 234.834+/-0.193 χ^2/NDF:0.0/0

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

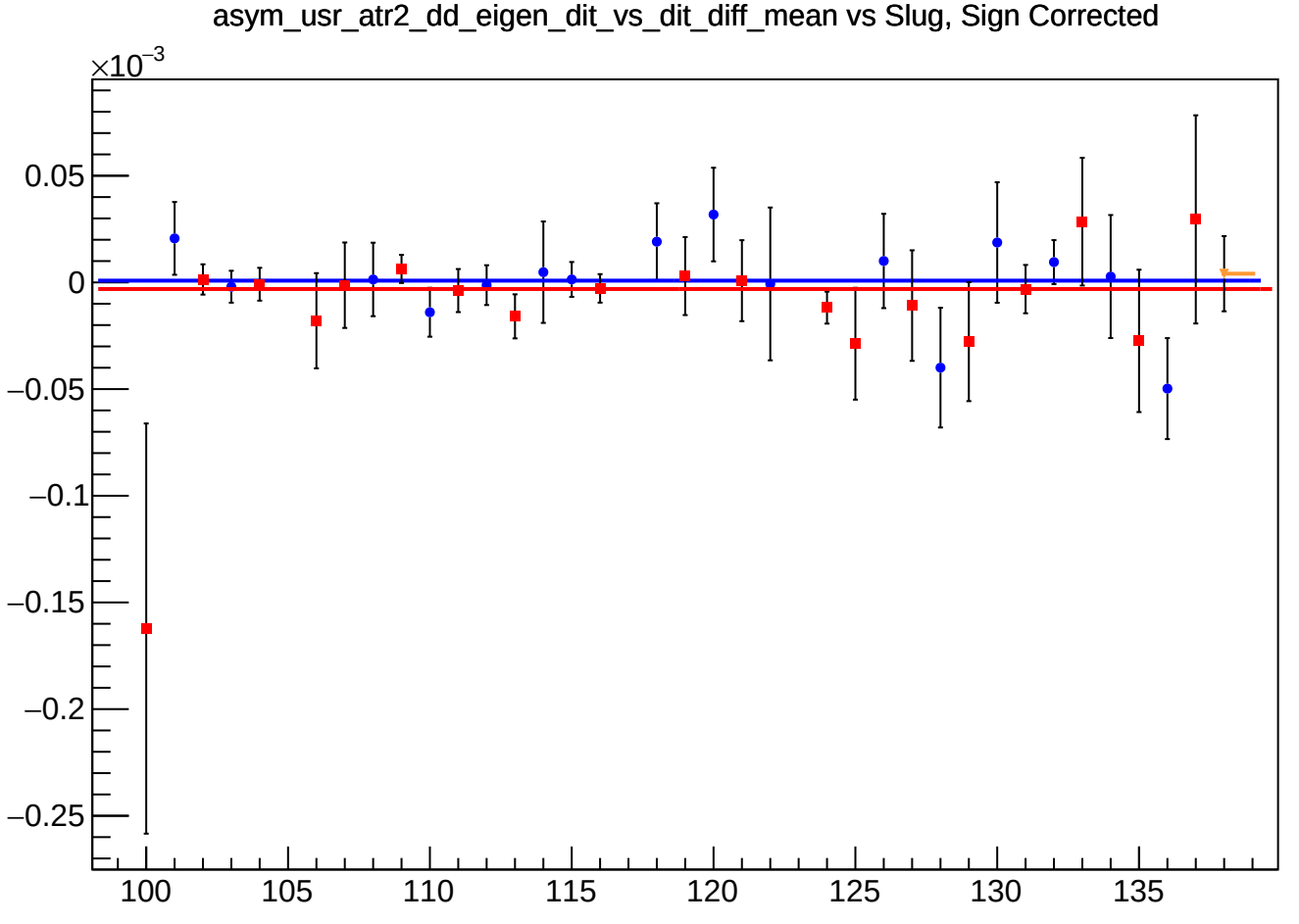
Left: 234.834+/-0.193 χ^2/NDF: 0.0/0

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 148.240+/-0.042 χ^2/NDF:1710035.6/15

Out: 131.802+/-0.038 χ^2/NDF:3136958.3/19

All: 139.095+/-0.028 χ^2/NDF: 4930435.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

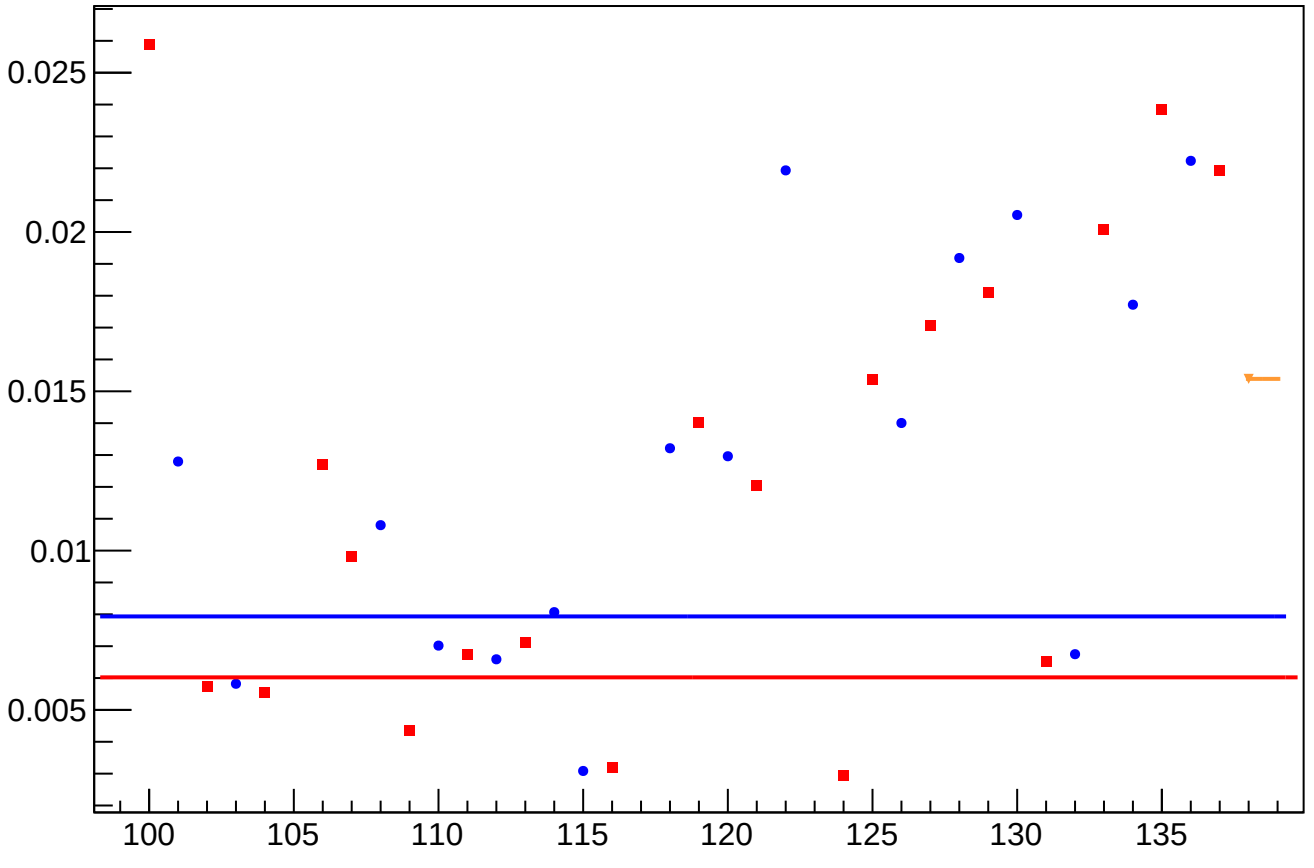
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:14.3/15

Out: -0.000+/-0.000 χ^2/NDF:12.9/19

All: -0.000+/-0.000 χ^2/NDF: 27.9/35



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.015+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

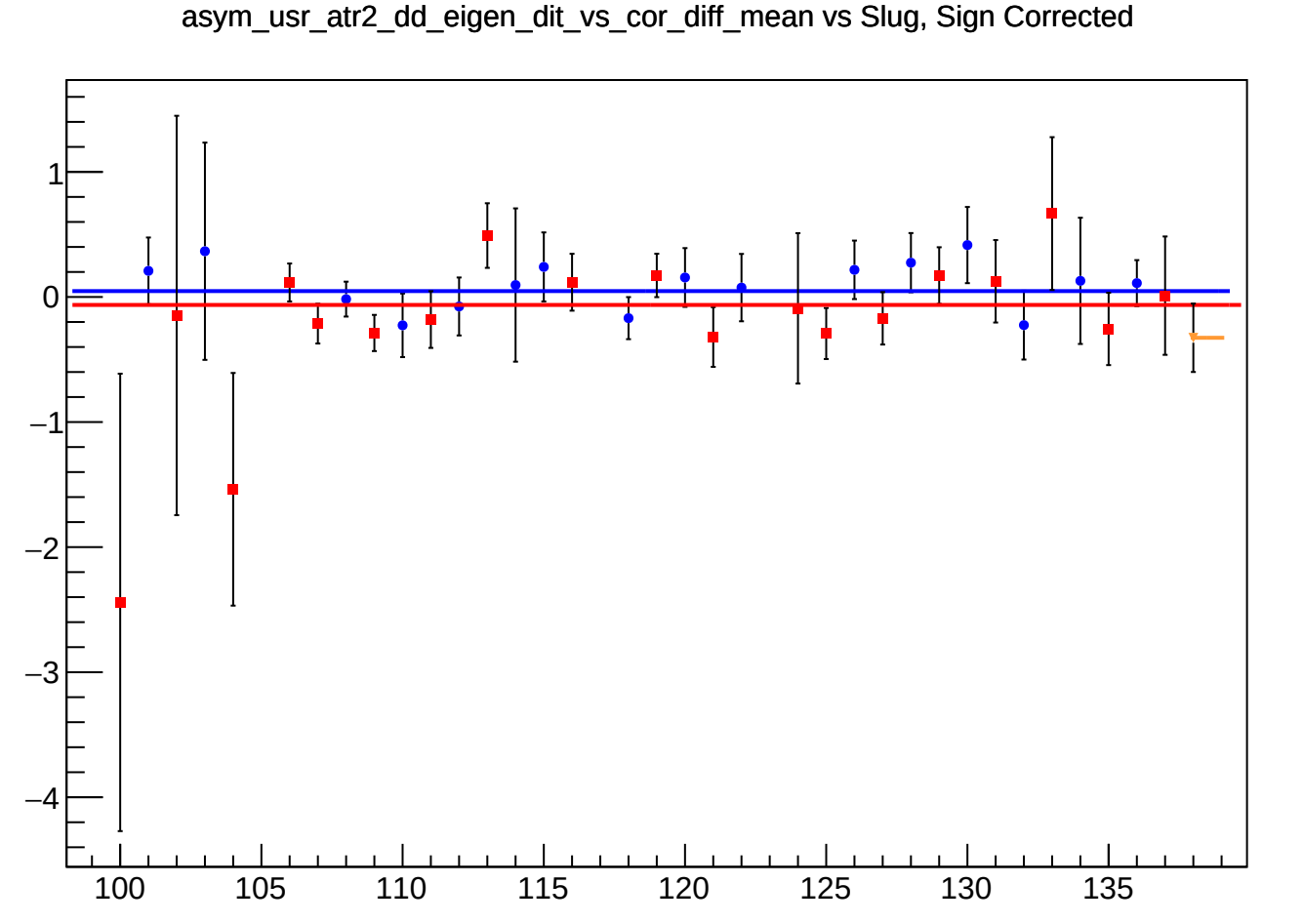
Left: 0.015+/-0.000 χ^2/NDF: 0.0/0

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.008+/-0.000 χ^2/NDF:3577687.8/15

Out: 0.006+/-0.000 χ^2/NDF:4562263.0/19

All: 0.007+/-0.000 χ^2/NDF: 8450689.1/35



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.326+/-0.274 χ^2/NDF:0.0/0

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.326+/-0.274 χ^2/NDF: 0.0/0

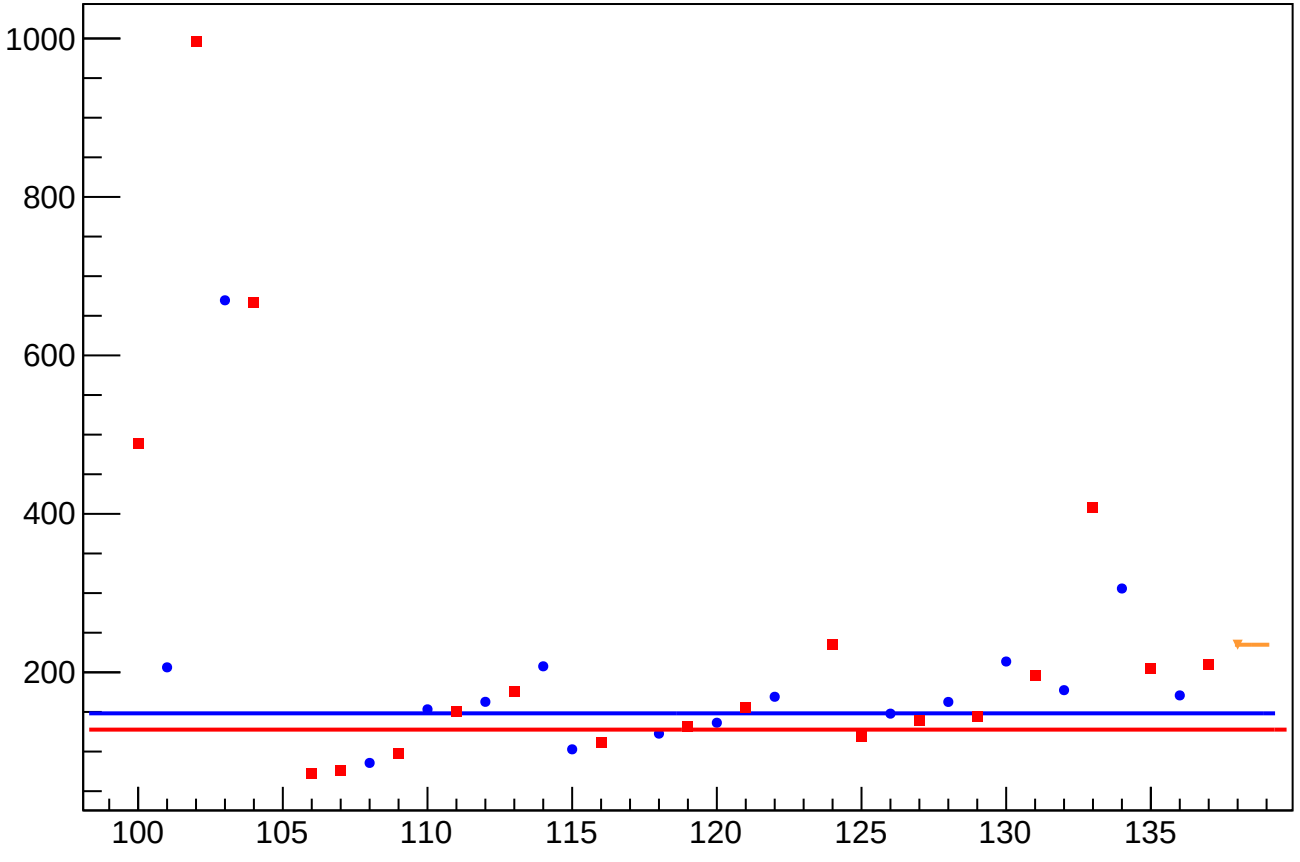
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.047+/-0.060 χ^2/NDF:8.6/15

Out: -0.074+/-0.054 χ^2/NDF:23.1/19

All: -0.020+/-0.040 χ^2/NDF: 33.9/35

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: 234.839+/-0.193 χ^2/NDF:0.0/0

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 234.839+/-0.193 χ^2/NDF: 0.0/0

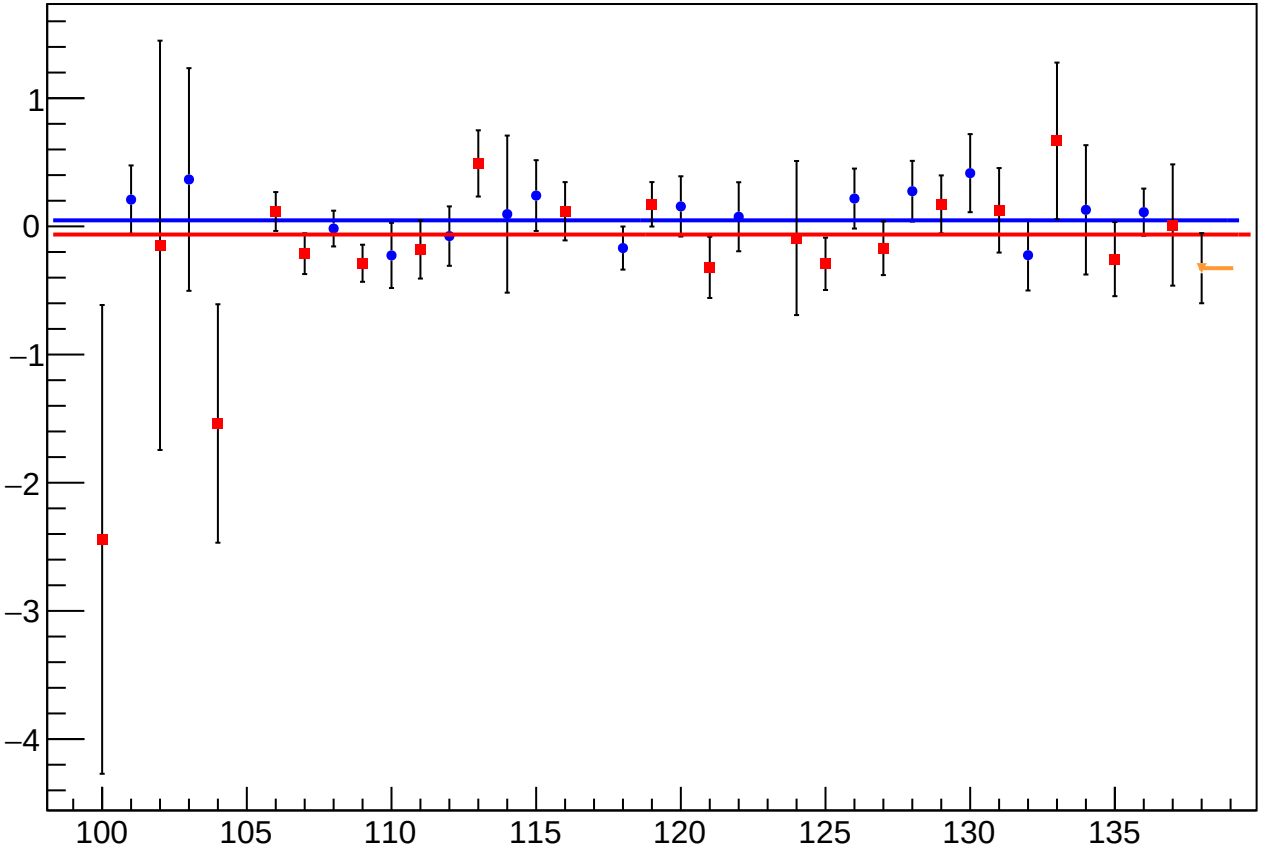
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 148.238+/-0.042 χ^2/NDF:1710114.4/15

Out: 131.802+/-0.038 χ^2/NDF:3136965.2/19

All: 139.094+/-0.028 χ^2/NDF: 4930496.5/35

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: -0.326+/-0.274 χ^2/NDF:0.0/0

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.326+/-0.274 χ^2/NDF: 0.0/0

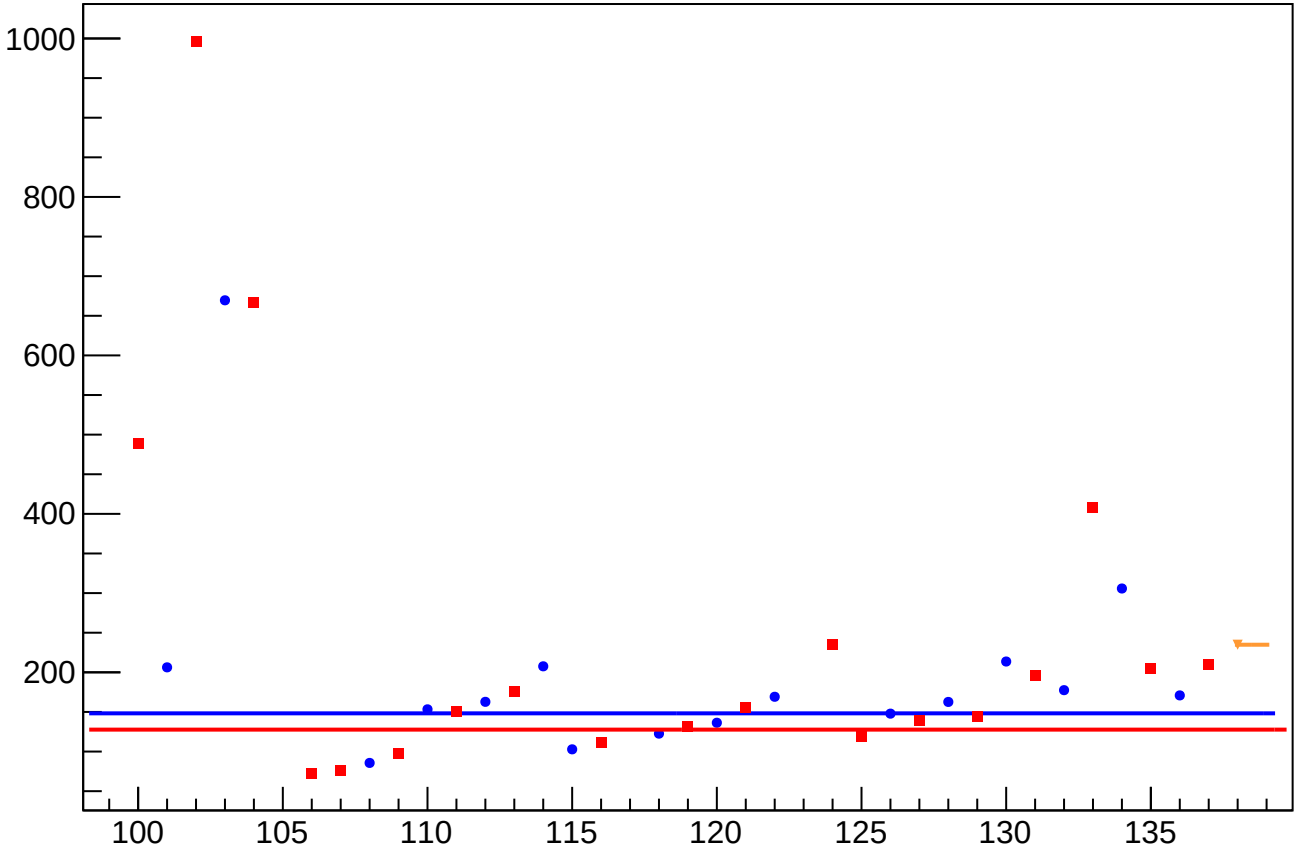
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.047+/-0.060 χ^2/NDF:8.6/15

Out: -0.074+/-0.054 χ^2/NDF:23.1/19

All: -0.020+/-0.040 χ^2/NDF: 33.9/35

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: 234.839+/-0.193 χ^2/NDF:0.0/0

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

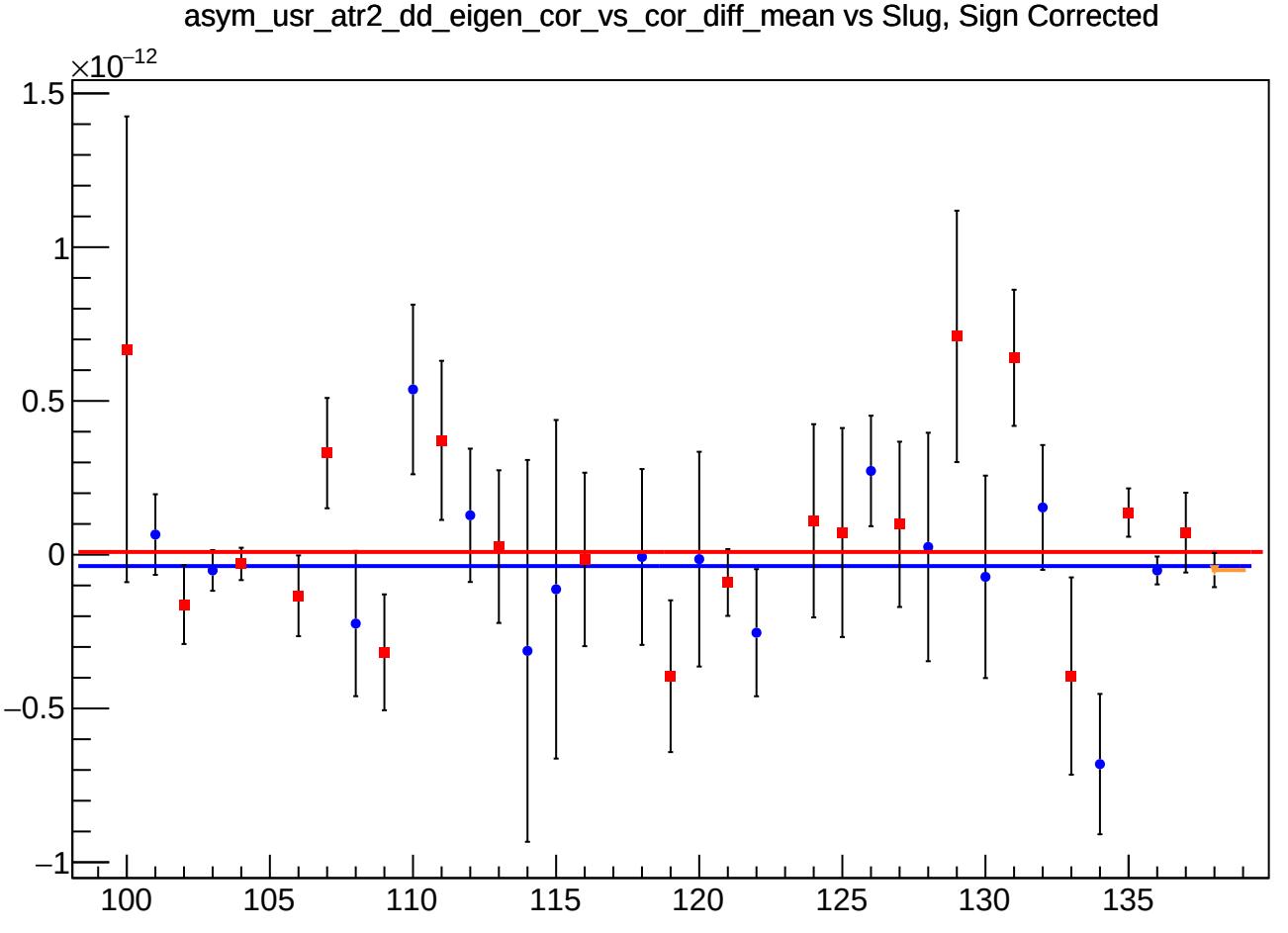
Left: 234.839+/-0.193 χ^2/NDF: 0.0/0

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 148.238+/-0.042 χ^2/NDF:1710114.4/15

Out: 131.802+/-0.038 χ^2/NDF:3136965.2/19

All: 139.094+/-0.028 χ^2/NDF: 4930496.5/35



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

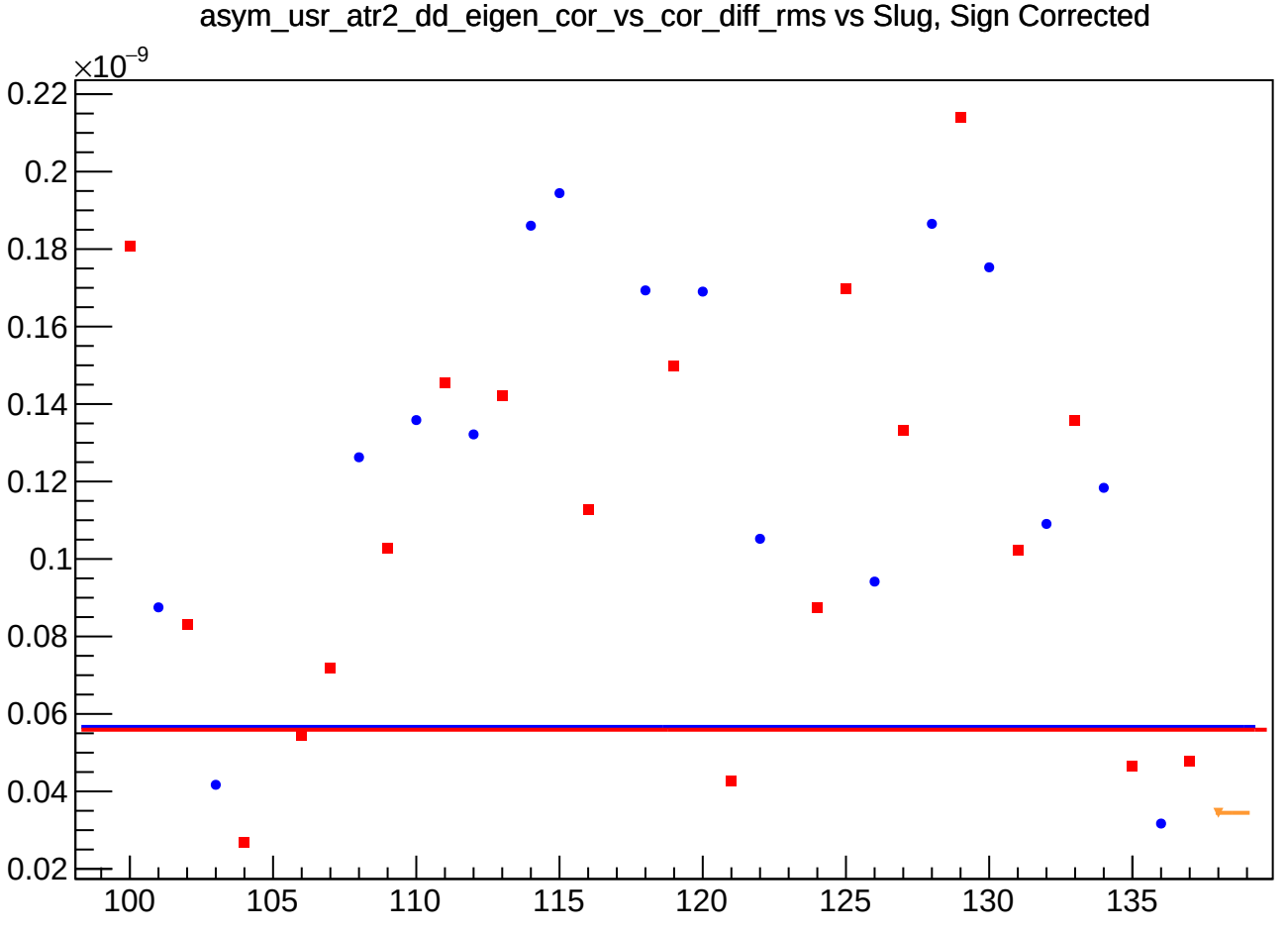
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: -0.000+/-0.000 χ^2/NDF:19.5/15

Out: -0.000+/-0.000 χ^2/NDF:32.6/19

All: -0.000+/-0.000 χ^2/NDF: 52.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

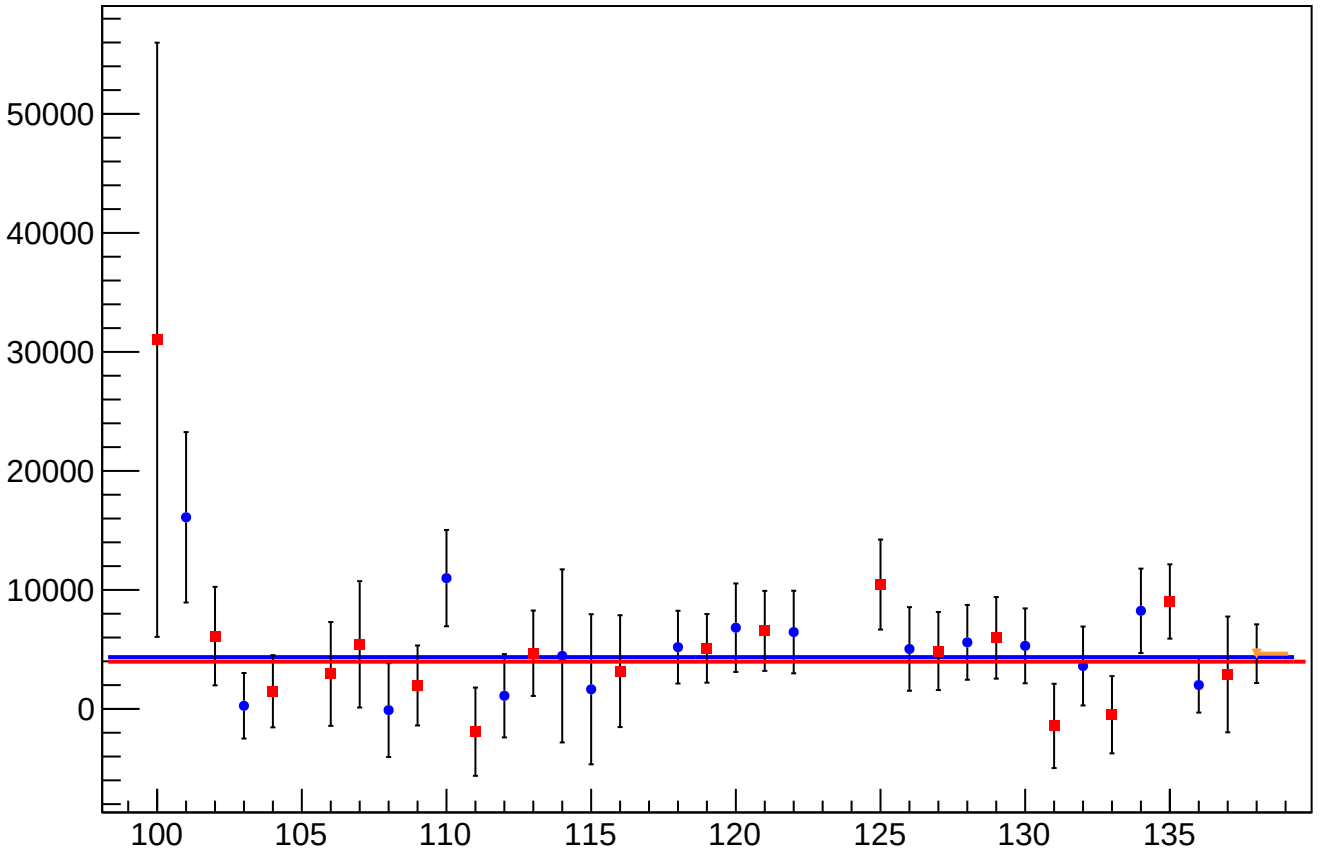
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:3113213.3/15

Out: 0.000+/-0.000 χ^2/NDF:2958054.7/19

All: 0.000+/-0.000 χ^2/NDF: 6112588.3/35



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4643.621+/-2466.912 χ^2/NDF:0.0/0

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

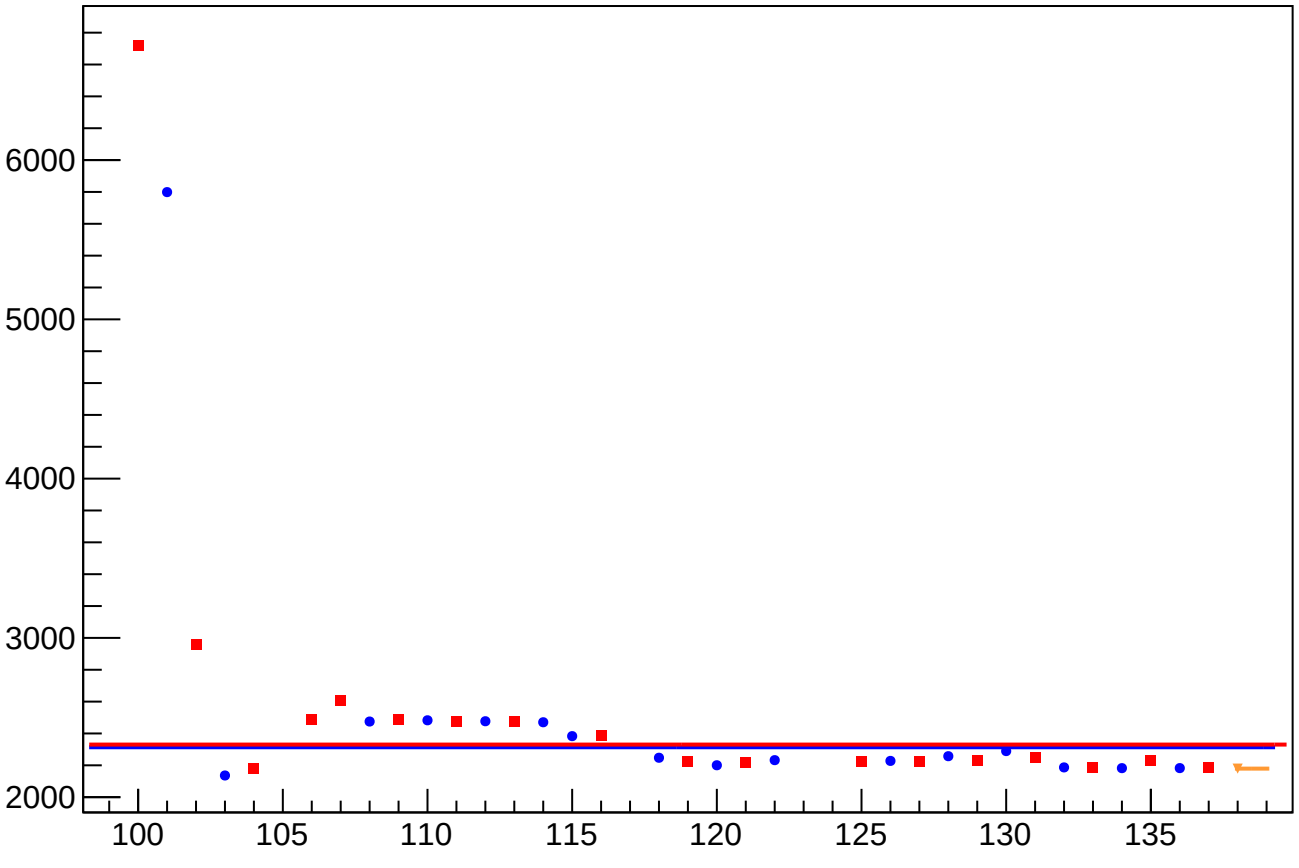
Left: 4643.621+/-2466.912 χ^2/NDF: 0.0/0

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4354.350+/-875.155 χ^2/NDF:13.4/15

Out: 4046.205+/-821.566 χ^2/NDF:16.2/18

All: 4190.555+/-598.984 χ^2/NDF: 29.7/34



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2179.263+/-1.744 χ^2/NDF:0.0/0

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

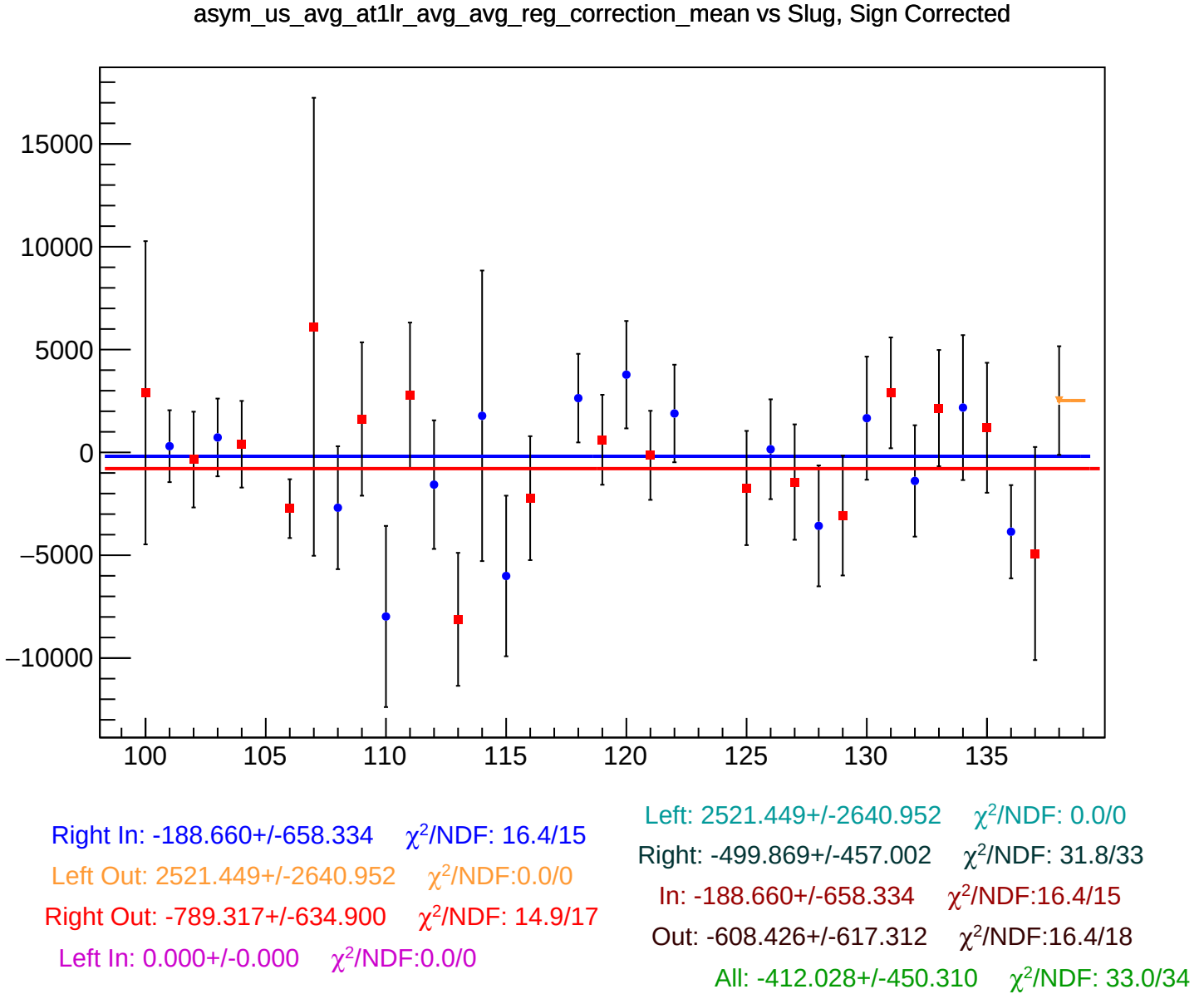
Left: 2179.263+/-1.744 χ^2/NDF: 0.0/0

Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

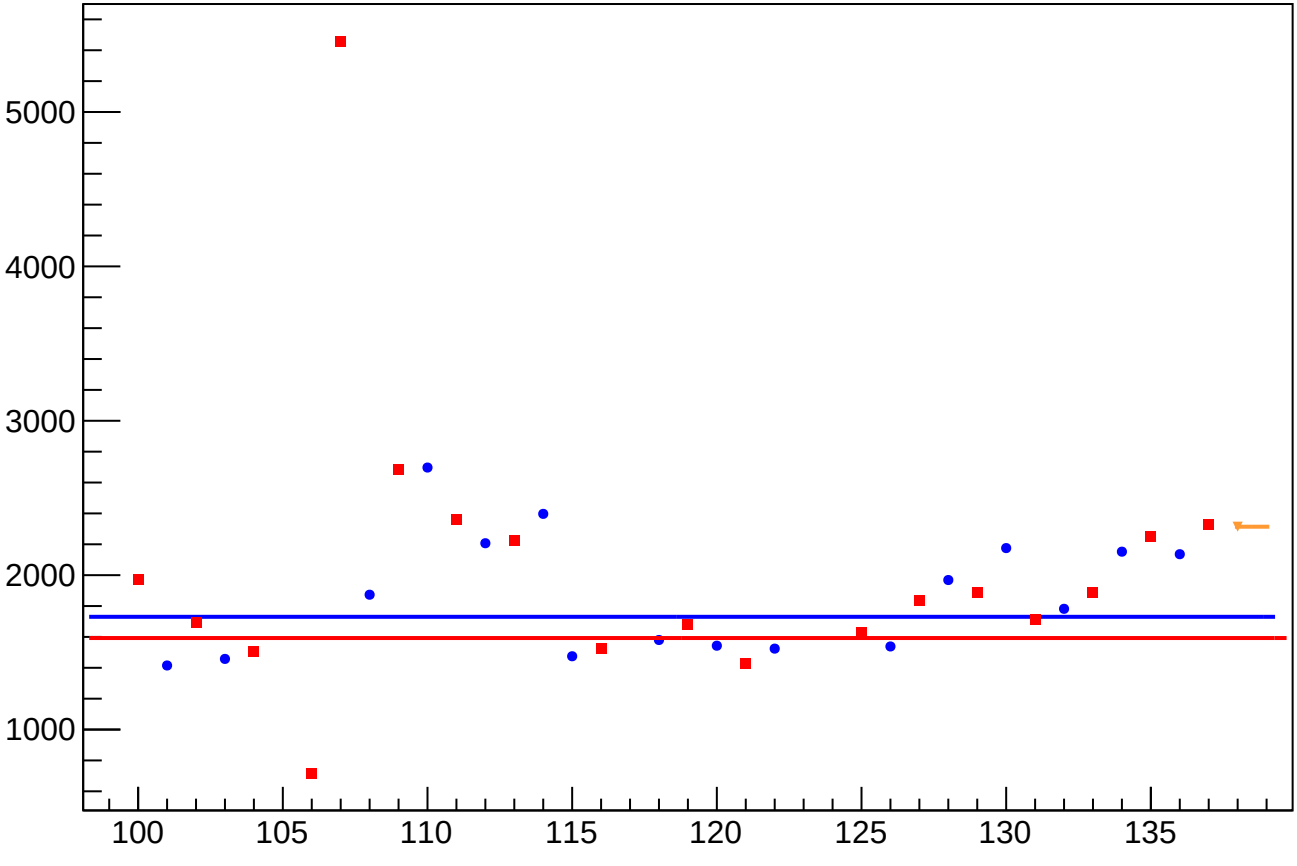
In: 2313.413+/-0.619 χ^2/NDF:512371.8/15

Out: 2313.460+/-0.581 χ^2/NDF:157867.2/18

All: 2313.438+/-0.424 χ^2/NDF: 670239.1/34


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
Right In: -188.660+/-658.334 χ²/NDF: 16.4/15
Left Out: 2521.449+/-2640.952 χ²/NDF:0.0/0
Right Out: -789.317+/-634.900 χ²/NDF: 14.9/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 2521.449+/-2640.952 χ²/NDF: 0.0/0
Right: -499.869+/-457.002 χ²/NDF: 31.8/33
In: -188.660+/-658.334 χ²/NDF:16.4/15
Out: -608.426+/-617.312 χ²/NDF:16.4/18
All: -412.028+/-450.310 χ²/NDF: 33.0/34

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: 2313.836+/-1.867 χ^2/NDF:0.0/0

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2313.836+/-1.867 χ^2/NDF: 0.0/0

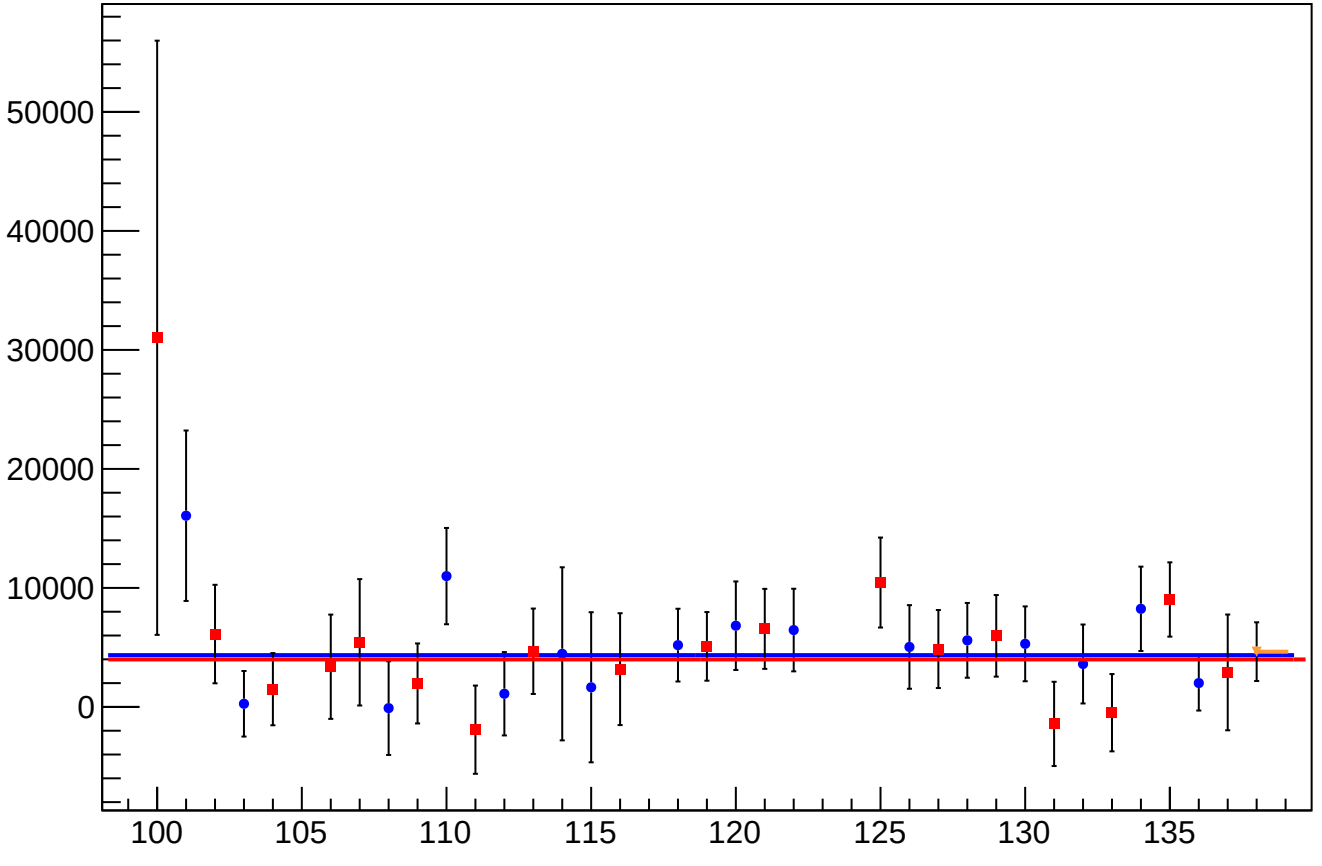
Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1730.288+/-0.466 χ^2/NDF:478932.0/15

Out: 1632.218+/-0.437 χ^2/NDF:1697131.1/18

All: 1678.102+/-0.318 χ^2/NDF: 2199679.7/34

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4643.640+/-2466.912 χ^2/NDF:0.0/0

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

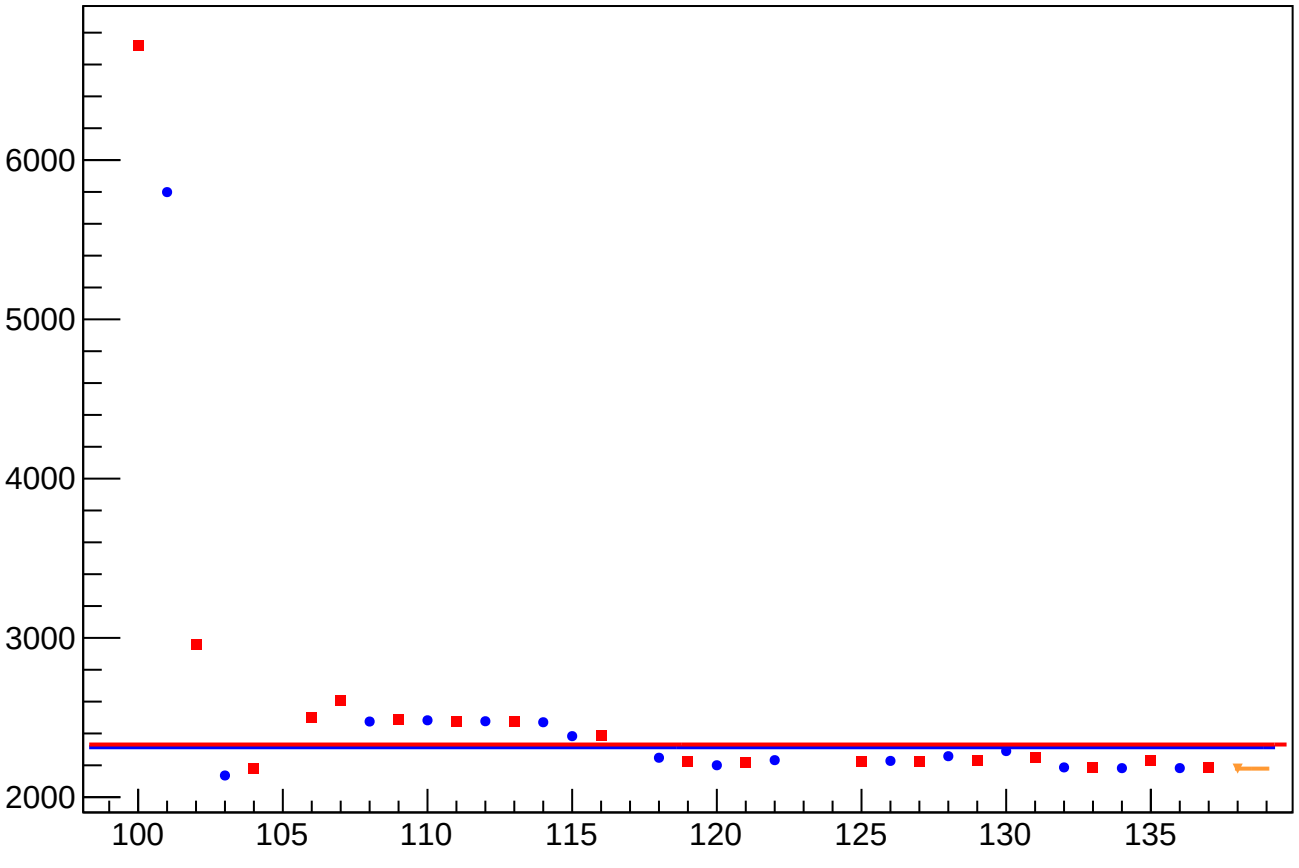
Left: 4643.640+/-2466.912 χ^2/NDF: 0.0/0

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4353.670+/-875.155 χ^2/NDF:13.4/15

Out: 4062.416+/-821.692 χ^2/NDF:16.2/18

All: 4198.875+/-599.033 χ^2/NDF: 29.6/34



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2179.263+/-1.744 χ^2/NDF:0.0/0

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2179.263+/-1.744 χ^2/NDF: 0.0/0

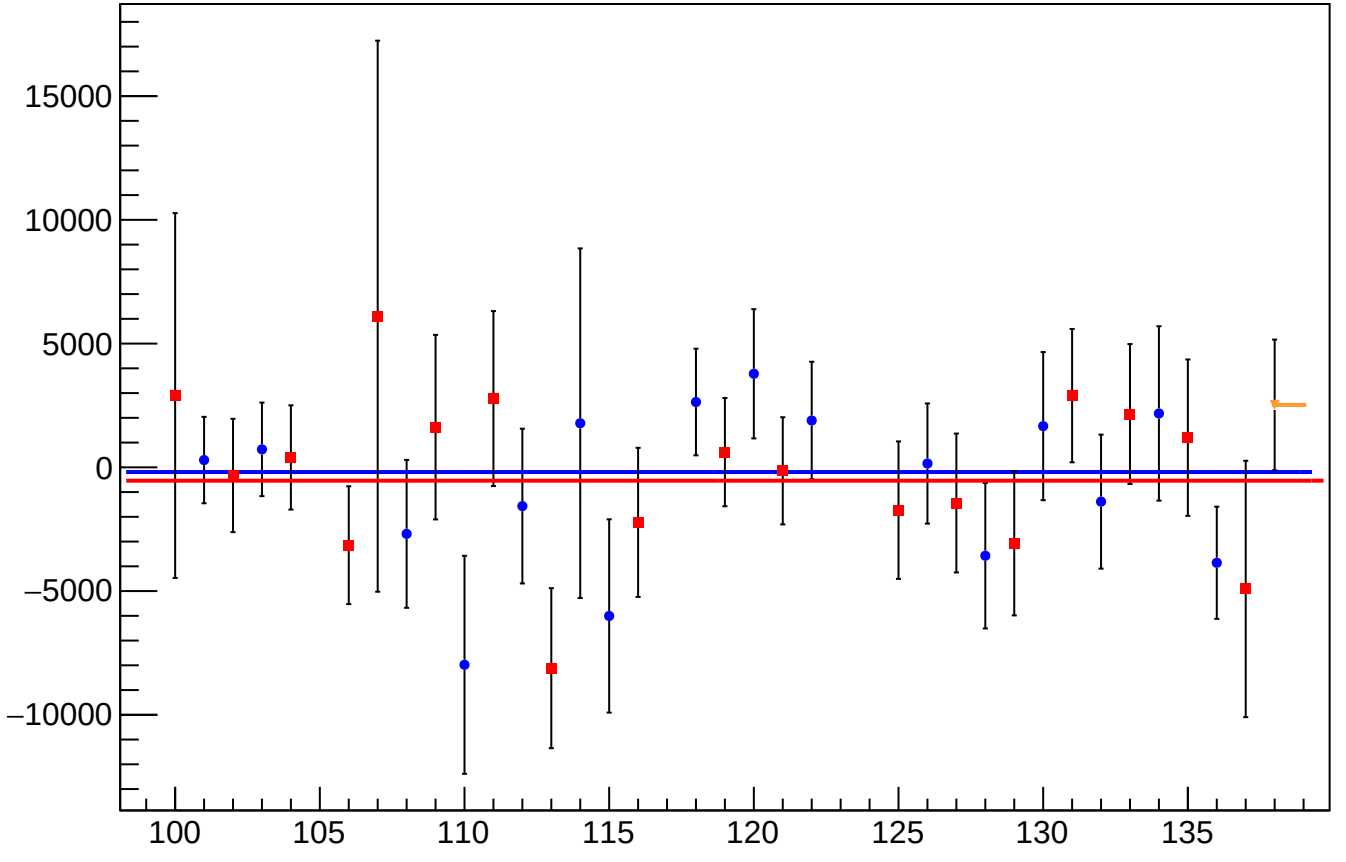
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2313.413+/-0.619 χ^2/NDF:512372.3/15

Out: 2313.783+/-0.581 χ^2/NDF:158245.7/18

All: 2313.610+/-0.424 χ^2/NDF: 670618.1/34

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 2521.500+/-2640.956 χ^2/NDF:0.0/0

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2521.500+/-2640.956 χ^2/NDF: 0.0/0

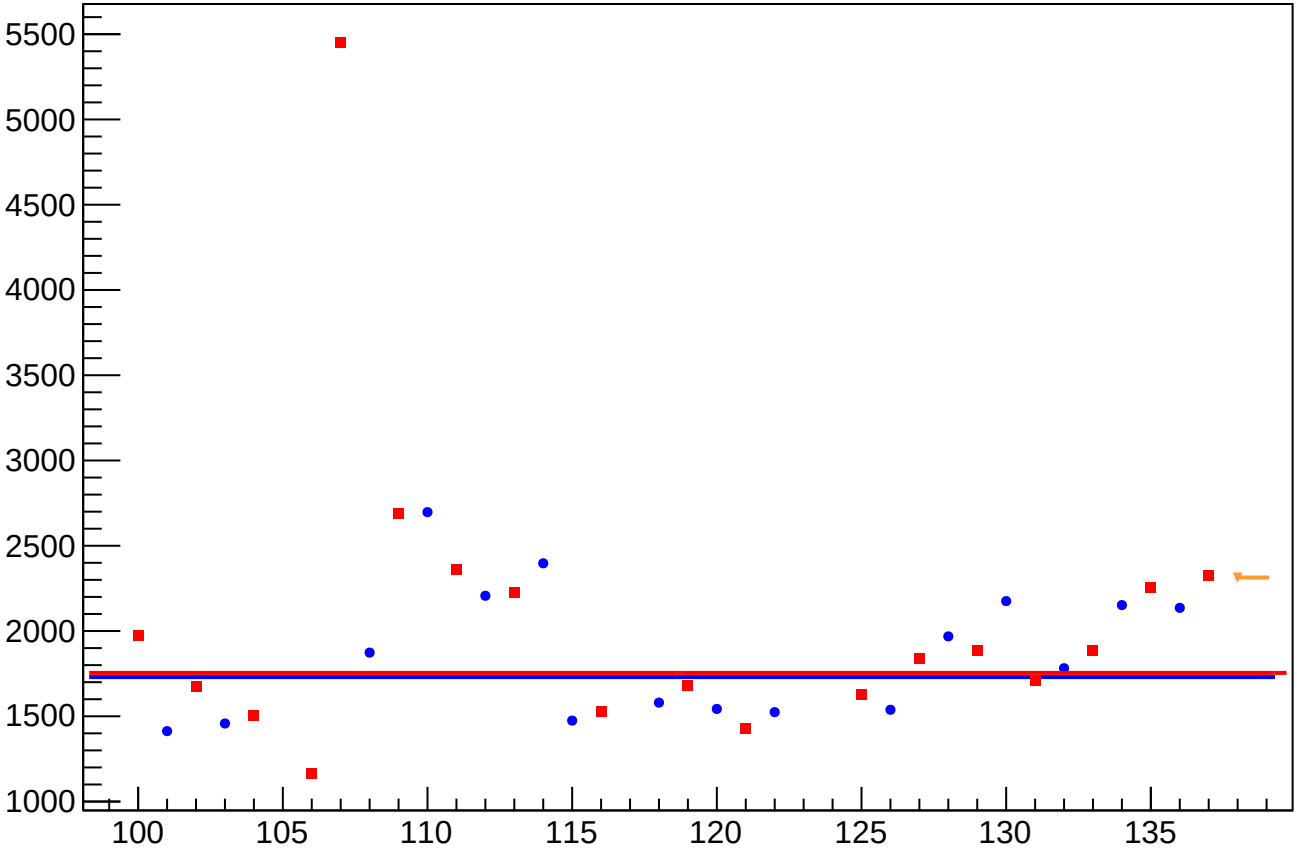
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -189.762+/-658.205 χ^2/NDF:16.4/15

Out: -350.134+/-656.899 χ^2/NDF:15.2/18

All: -270.107+/-464.959 χ^2/NDF: 31.6/34

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: 2313.839+/-1.867 χ^2/NDF:0.0/0

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

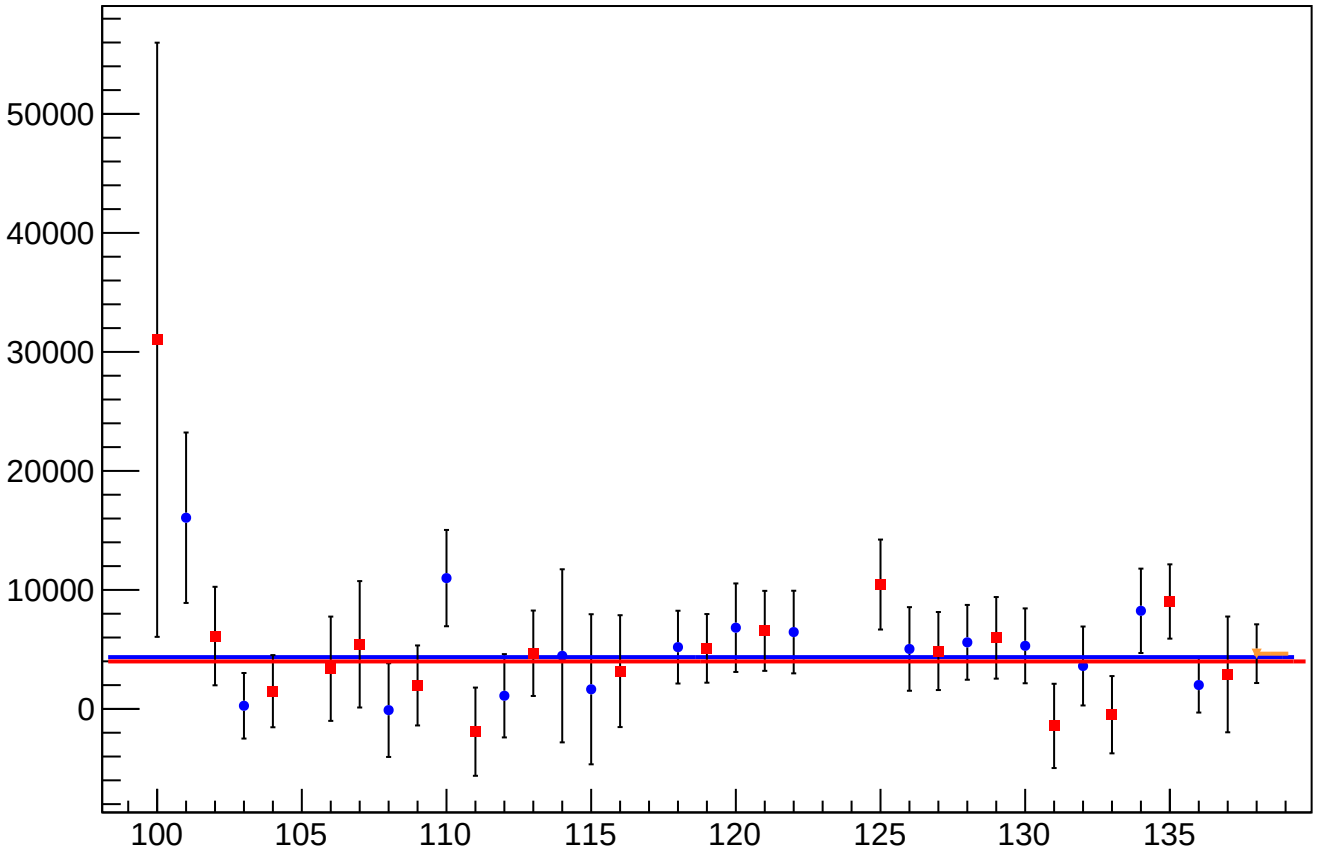
Left: 2313.839+/-1.867 χ^2/NDF: 0.0/0

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1729.898+/-0.465 χ^2/NDF:479898.2/15

Out: 1789.131+/-0.464 χ^2/NDF:835165.0/18

All: 1759.573+/-0.329 χ^2/NDF: 1323177.6/34



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4643.640+/-2466.912 χ^2/NDF:0.0/0

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

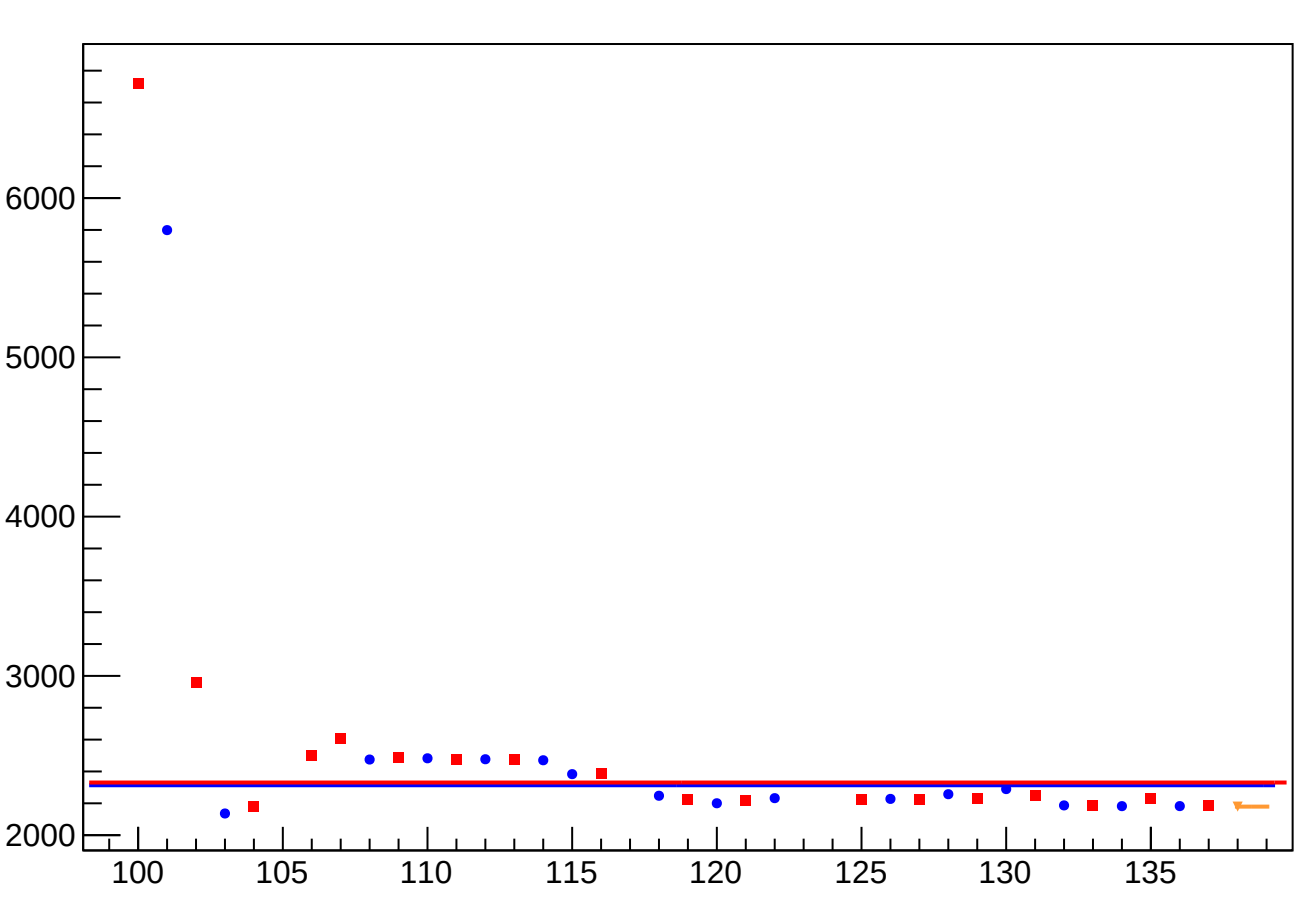
Left: 4643.640+/-2466.912 χ^2/NDF: 0.0/0

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4353.670+/-875.155 χ^2/NDF:13.4/15

Out: 4062.416+/-821.692 χ^2/NDF:16.2/18

All: 4198.875+/-599.033 χ^2/NDF: 29.6/34



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2179.263+/-1.744 χ^2/NDF:0.0/0

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

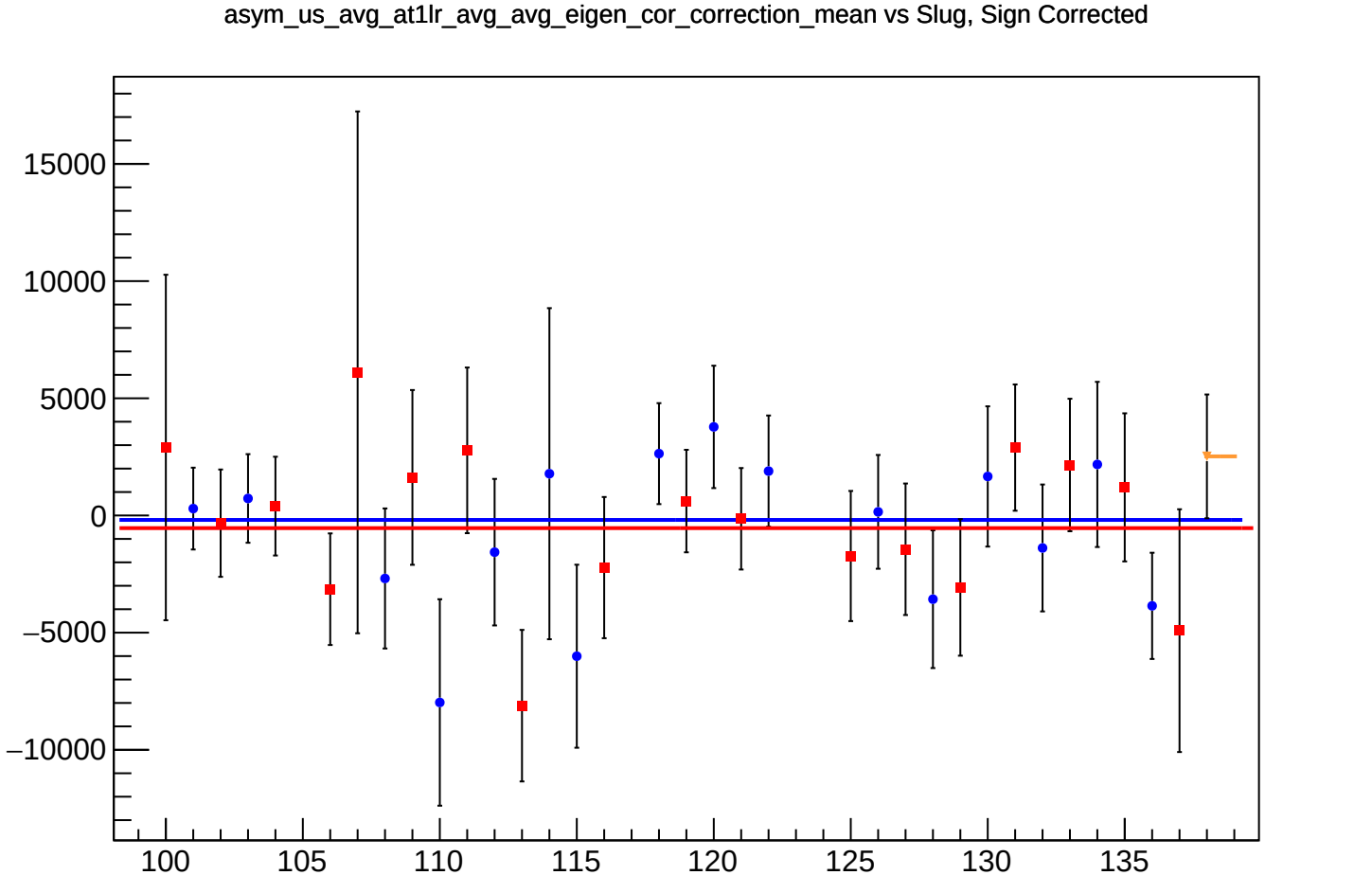
Left: 2179.263+/-1.744 χ^2/NDF: 0.0/0

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

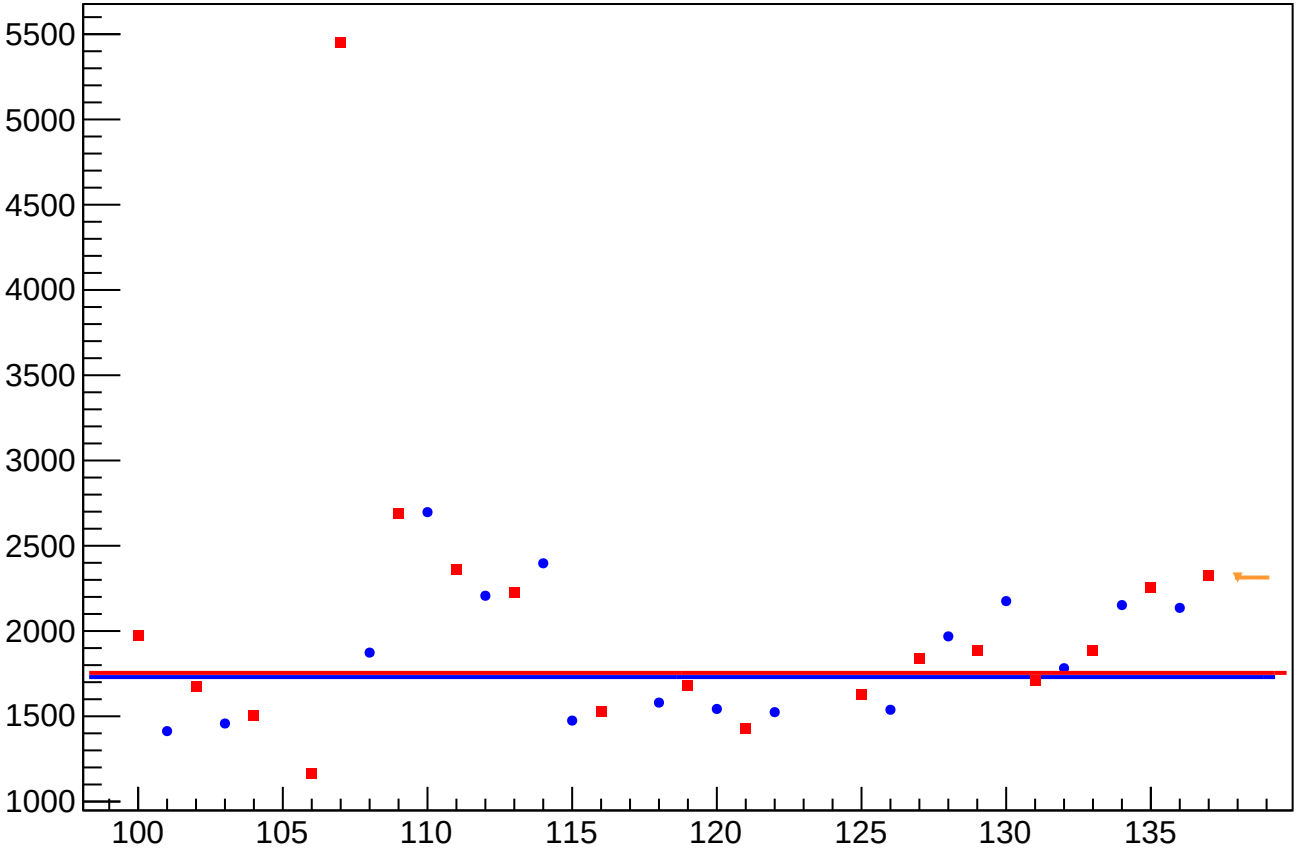
In: 2313.413+/-0.619 χ^2/NDF:512372.3/15

Out: 2313.783+/-0.581 χ^2/NDF:158245.7/18

All: 2313.610+/-0.424 χ^2/NDF: 670618.1/34


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
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 2521.500+/-2640.956 χ²/NDF:0.0/0
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 2521.500+/-2640.956 χ²/NDF: 0.0/0
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -189.762+/-658.205 χ²/NDF:16.4/15
Out: -350.134+/-656.899 χ²/NDF:15.2/18
All: -270.107+/-464.959 χ²/NDF: 31.6/34

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: 2313.839+/-1.867 χ^2/NDF:0.0/0

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2313.839+/-1.867 χ^2/NDF: 0.0/0

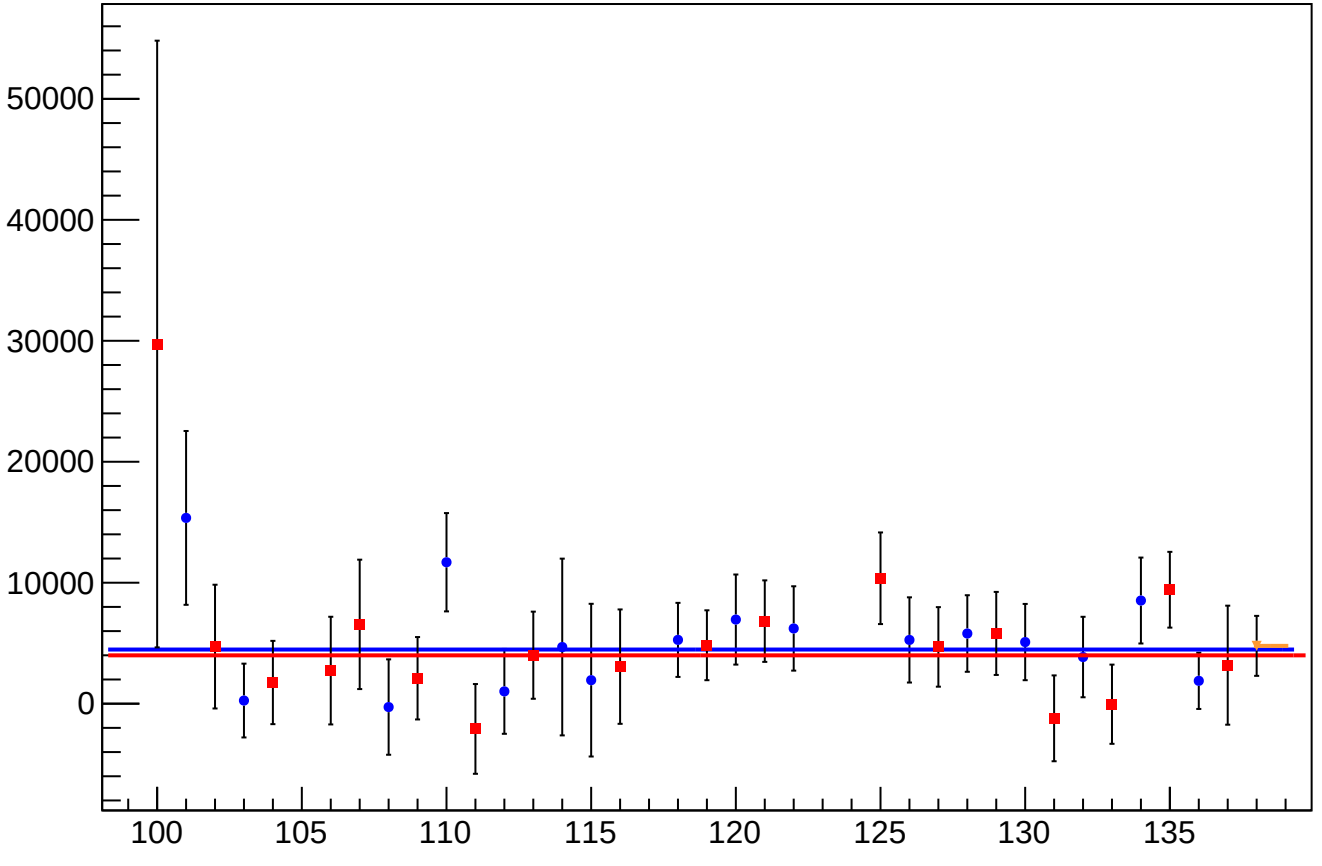
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1729.898+/-0.465 χ^2/NDF:479898.2/15

Out: 1789.131+/-0.464 χ^2/NDF:835165.0/18

All: 1759.573+/-0.329 χ^2/NDF: 1323177.6/34

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: 4780.153+/-2479.227 χ^2/NDF:0.0/0

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

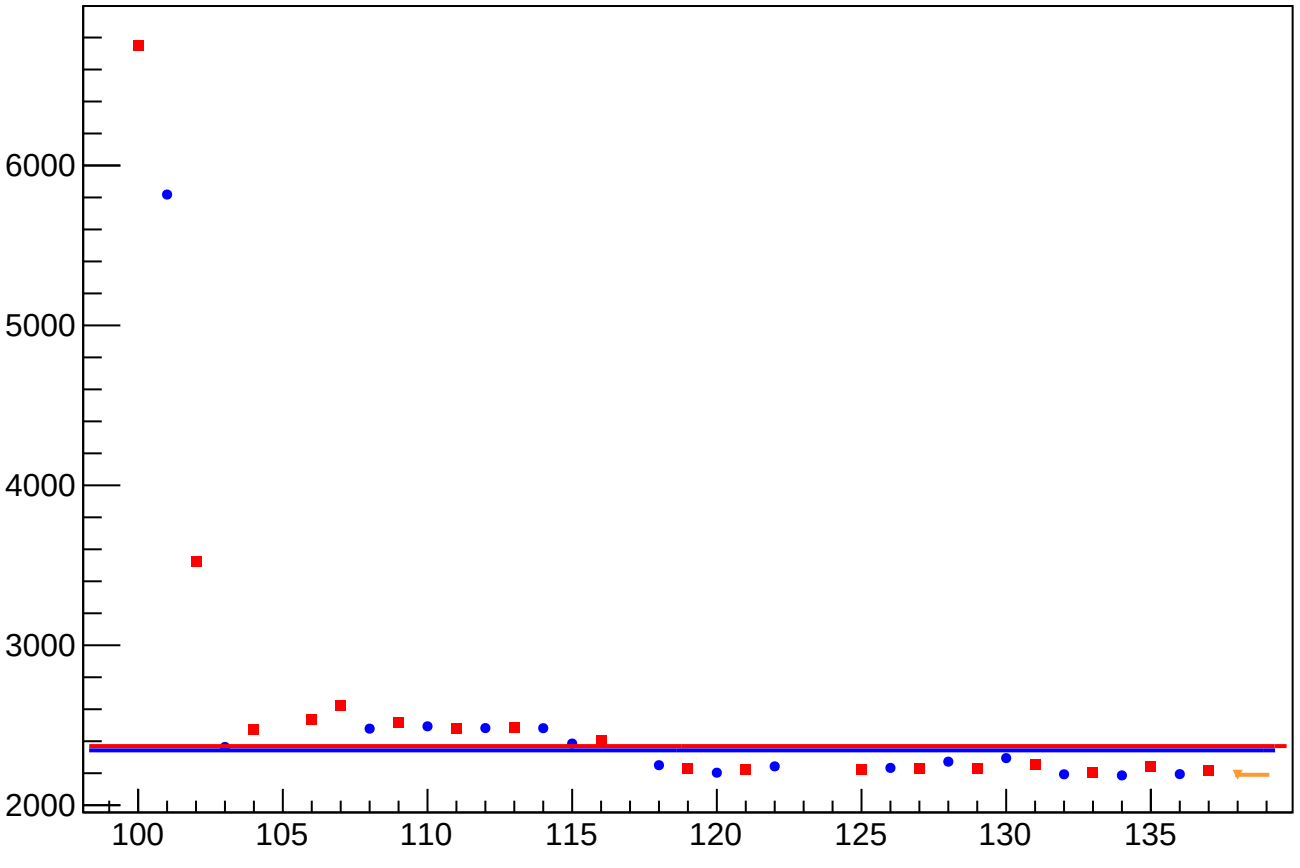
Left: 4780.153+/-2479.227 χ^2/NDF: 0.0/0

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4476.431+/-886.087 χ^2/NDF:13.5/15

Out: 4085.424+/-838.029 χ^2/NDF:15.6/18

All: 4270.037+/-608.857 χ^2/NDF: 29.2/34



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2190.113+/-1.753 χ^2/NDF:0.0/0

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

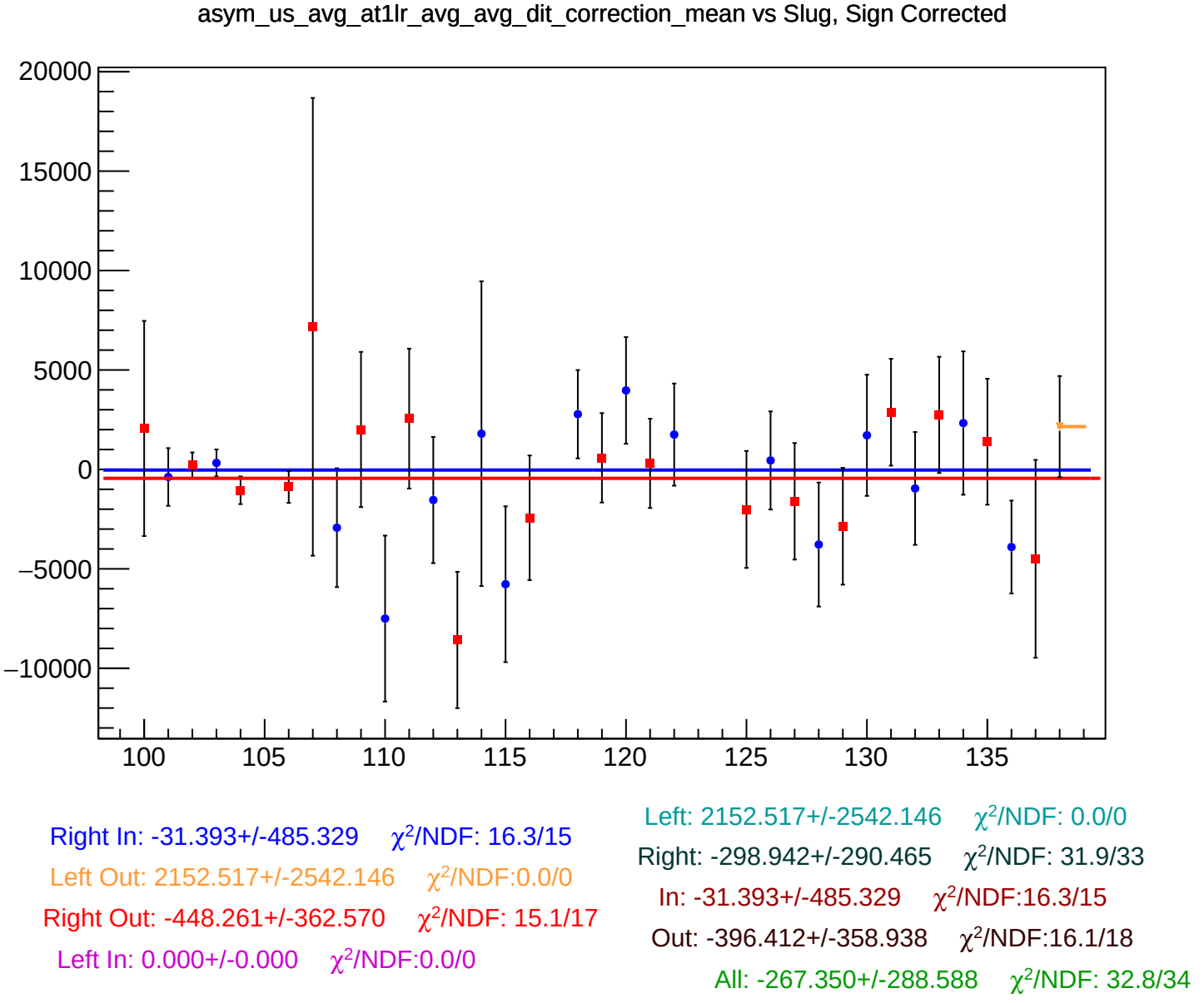
Left: 2190.113+/-1.753 χ^2/NDF: 0.0/0

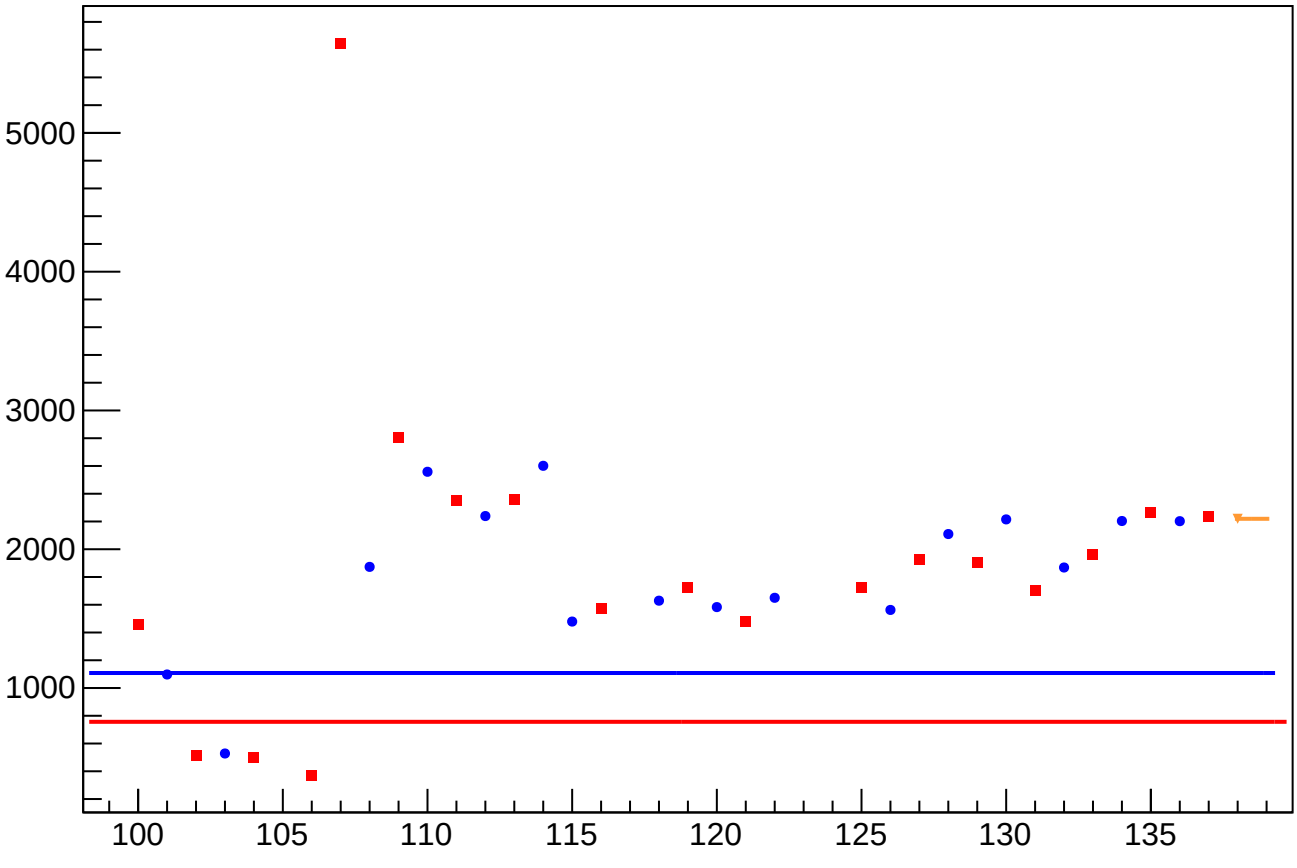
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2342.914+/-0.627 χ^2/NDF:502866.3/15

Out: 2349.068+/-0.593 χ^2/NDF:219429.4/18

All: 2346.162+/-0.431 χ^2/NDF: 722346.6/34


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
Right In: -31.393+/-485.329 χ²/NDF: 16.3/15
Left Out: 2152.517+/-2542.146 χ²/NDF:0.0/0
Right Out: -448.261+/-362.570 χ²/NDF: 15.1/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 2152.517+/-2542.146 χ²/NDF: 0.0/0
Right: -298.942+/-290.465 χ²/NDF: 31.9/33
In: -31.393+/-485.329 χ²/NDF:16.3/15
Out: -396.412+/-358.938 χ²/NDF:16.1/18
All: -267.350+/-288.588 χ²/NDF: 32.8/34



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2219.346+/-1.798 χ^2/NDF:0.0/0

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

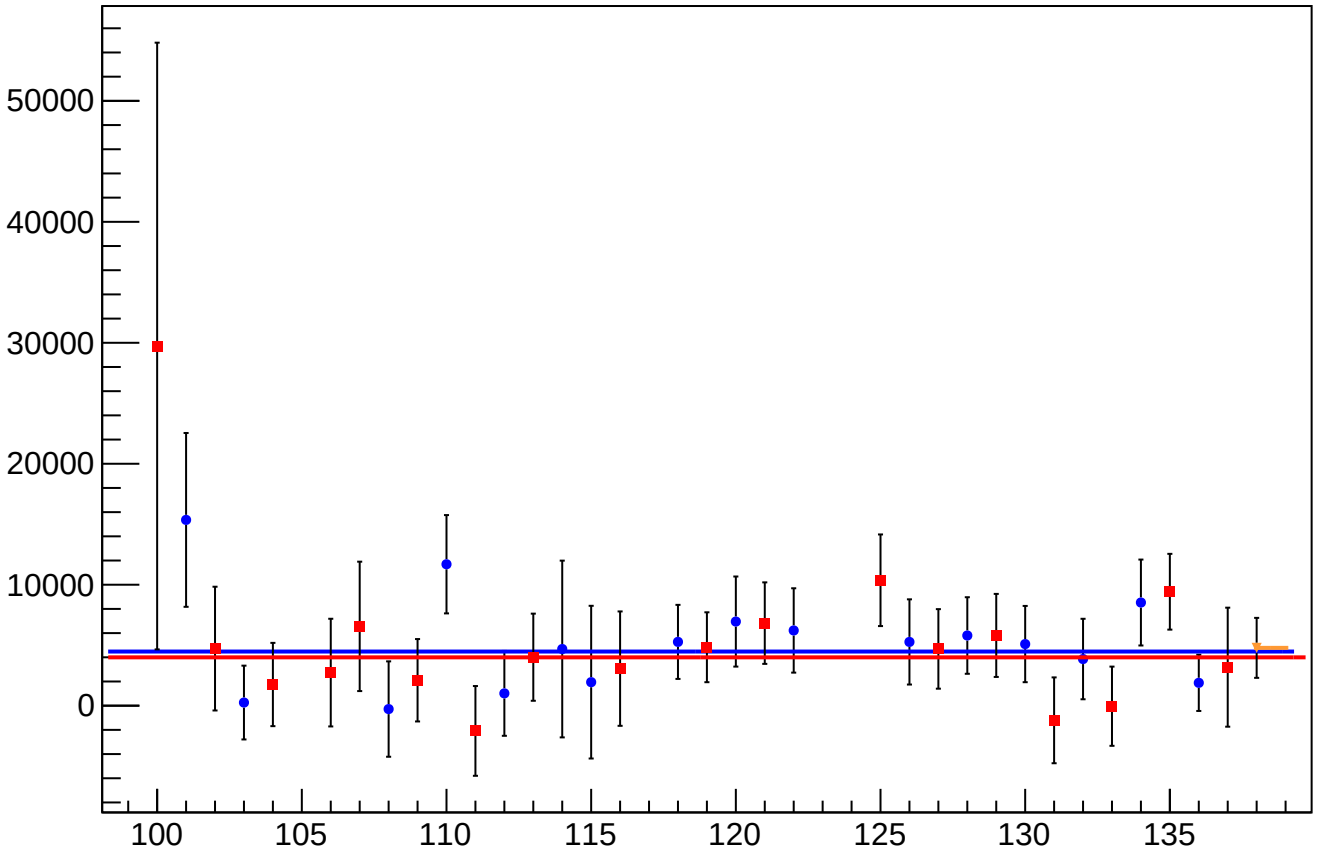
Left: 2219.346+/-1.798 χ^2/NDF: 0.0/0

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1108.139+/-0.343 χ^2/NDF:3746477.0/15

Out: 785.584+/-0.254 χ^2/NDF:6252341.2/18

All: 899.632+/-0.204 χ^2/NDF: 10569881.0/34



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4780.160+/-2479.227 χ^2/NDF:0.0/0

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

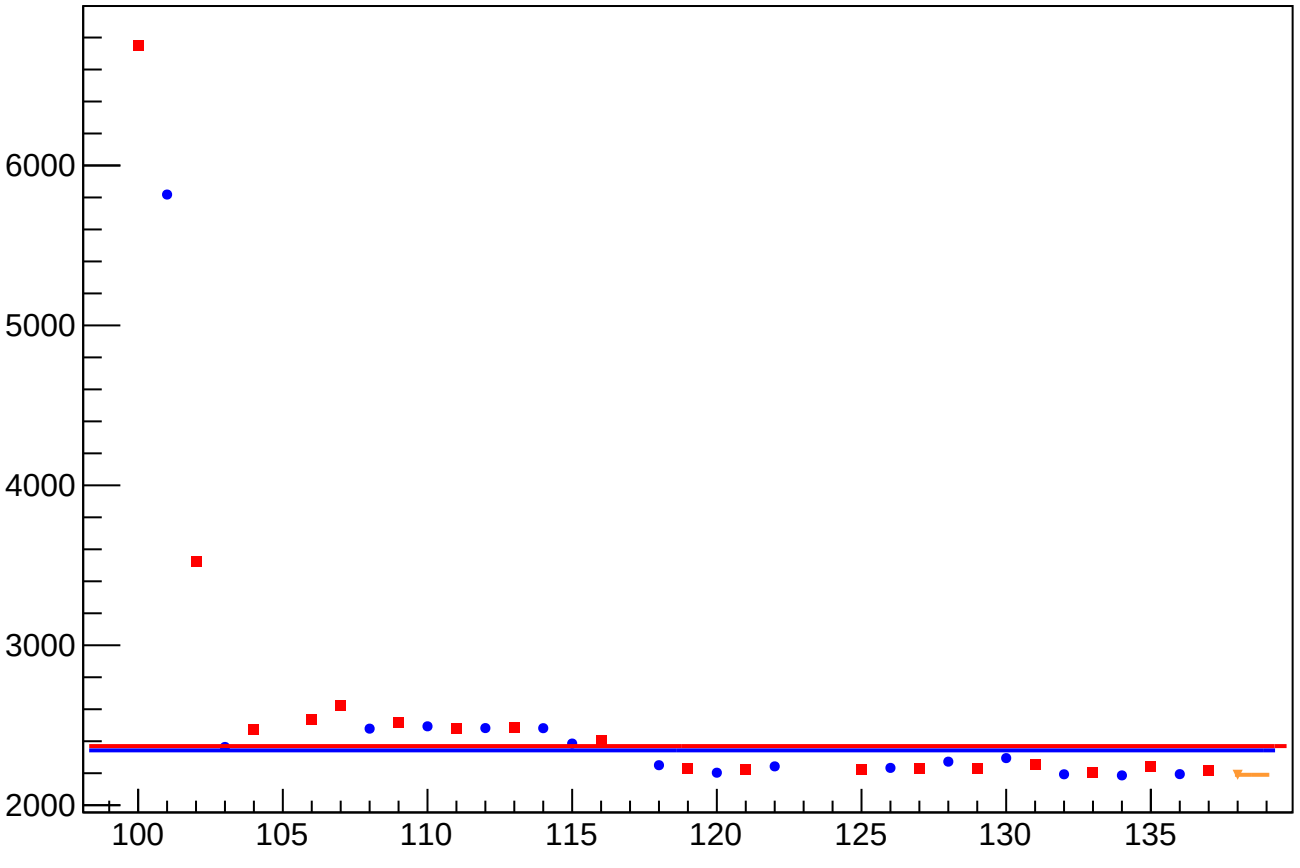
Left: 4780.160+/-2479.227 χ^2/NDF: 0.0/0

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4476.427+/-886.086 χ^2/NDF:13.5/15

Out: 4085.422+/-838.028 χ^2/NDF:15.6/18

All: 4270.034+/-608.857 χ^2/NDF: 29.2/34



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2190.113+/-1.753 χ^2/NDF:0.0/0

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2190.113+/-1.753 χ^2/NDF: 0.0/0

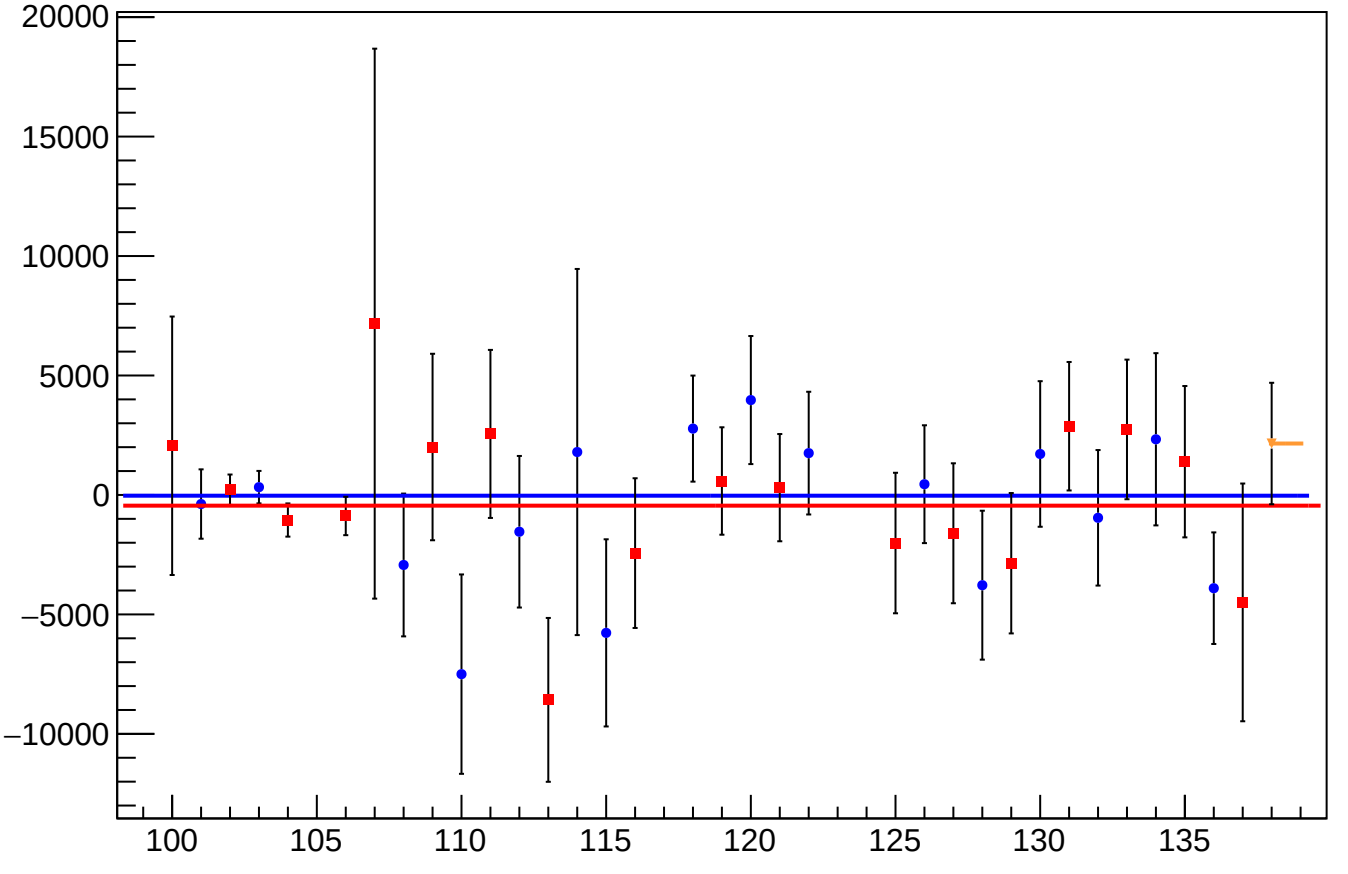
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2342.913+/-0.627 χ^2/NDF:502866.3/15

Out: 2349.067+/-0.593 χ^2/NDF:219428.3/18

All: 2346.162+/-0.431 χ^2/NDF: 722345.5/34

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: 2152.523+/-2542.150 χ^2/NDF:0.0/0

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2152.523+/-2542.150 χ^2/NDF: 0.0/0

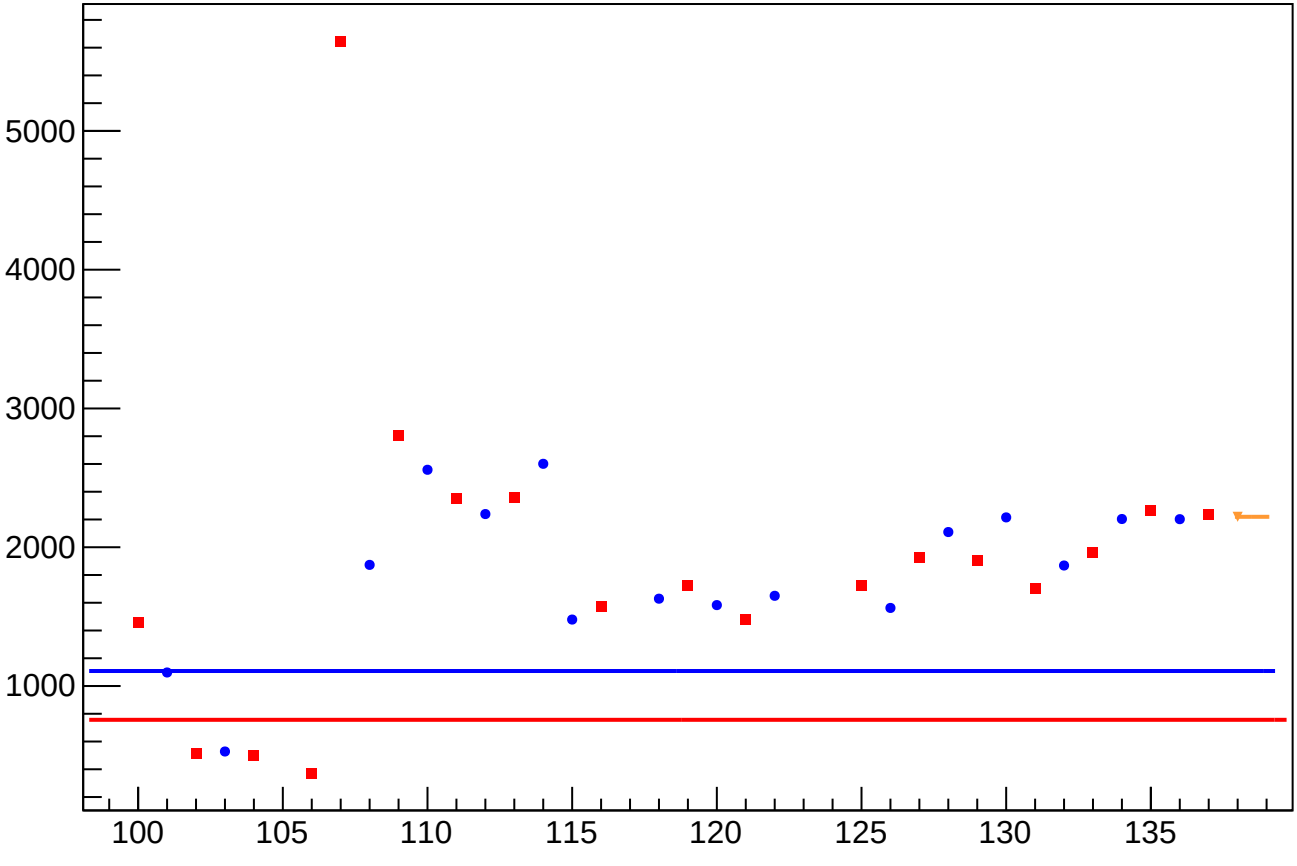
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: -31.400+/-485.331 χ^2/NDF:16.3/15

Out: -396.414+/-358.943 χ^2/NDF:16.1/18

All: -267.352+/-288.591 χ^2/NDF: 32.8/34

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: 2219.350+/-0.000 χ^2/NDF:0.0/0

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

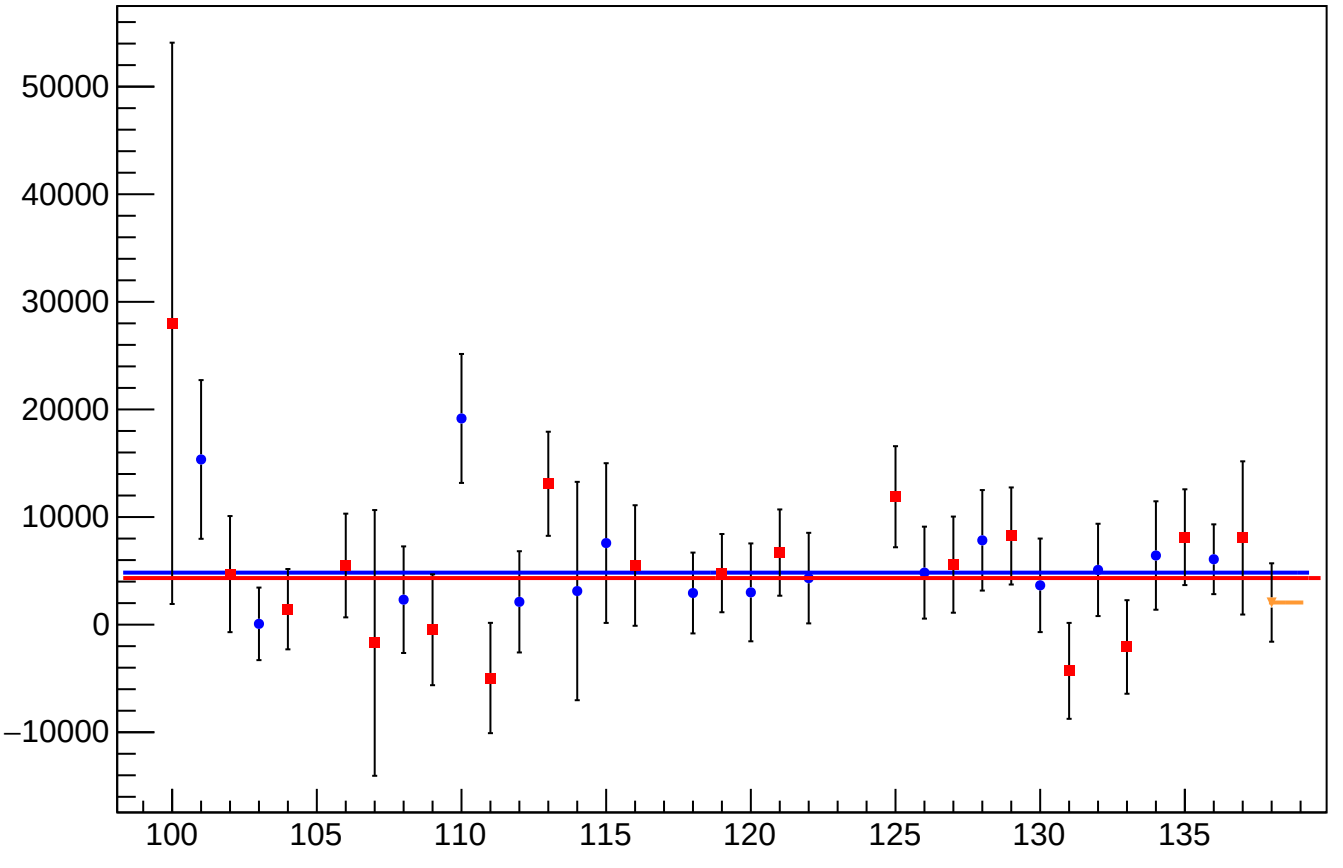
Left: 2219.350+/-1.798 χ^2/NDF: 0.0/0

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1108.149+/-0.343 χ^2/NDF:3746402.0/15

Out: 785.599+/-0.254 χ^2/NDF:6252210.5/18

All: 899.647+/-0.204 χ^2/NDF: 10569646.1/34



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 2057.910+/-3643.791 χ^2/NDF:0.0/0

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

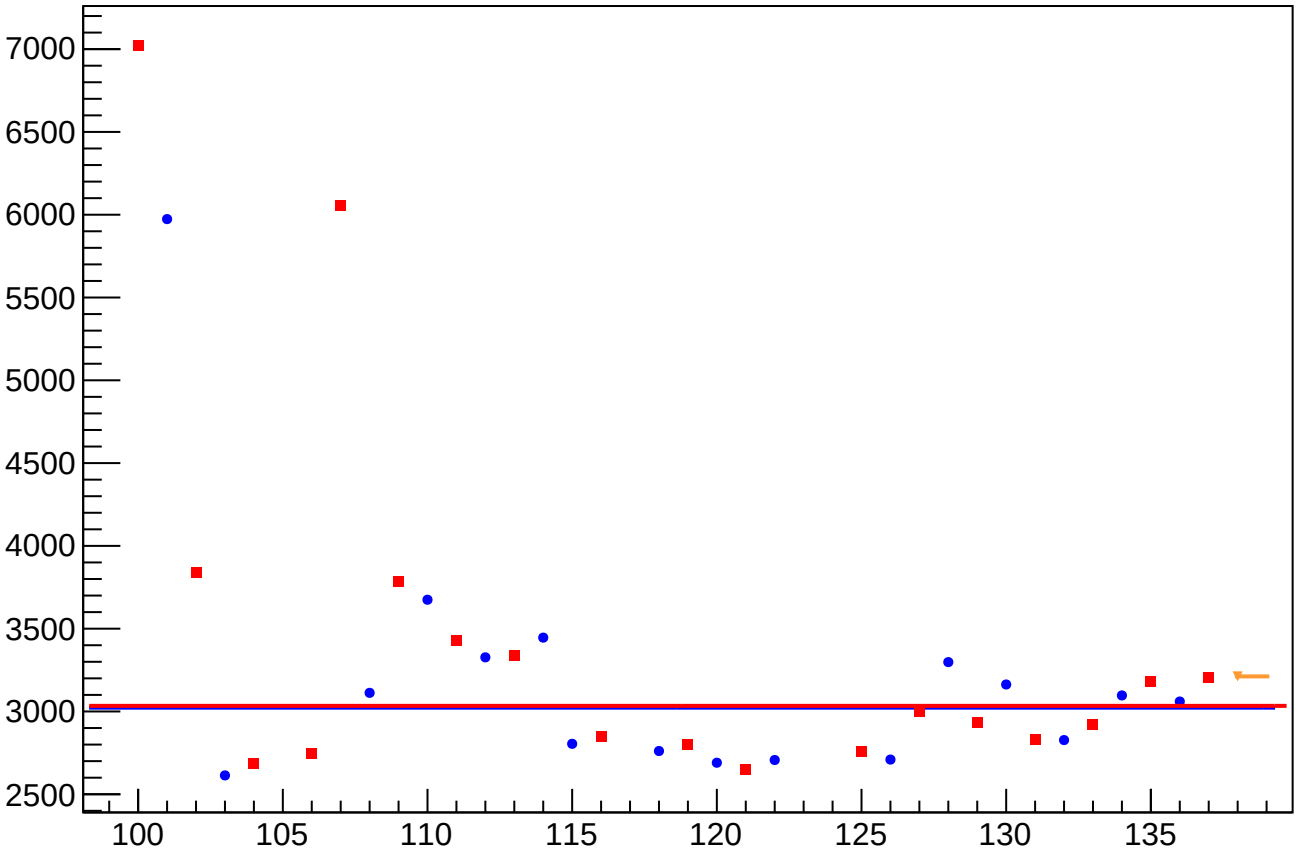
Left: 2057.910+/-3643.791 χ^2/NDF: 0.0/0

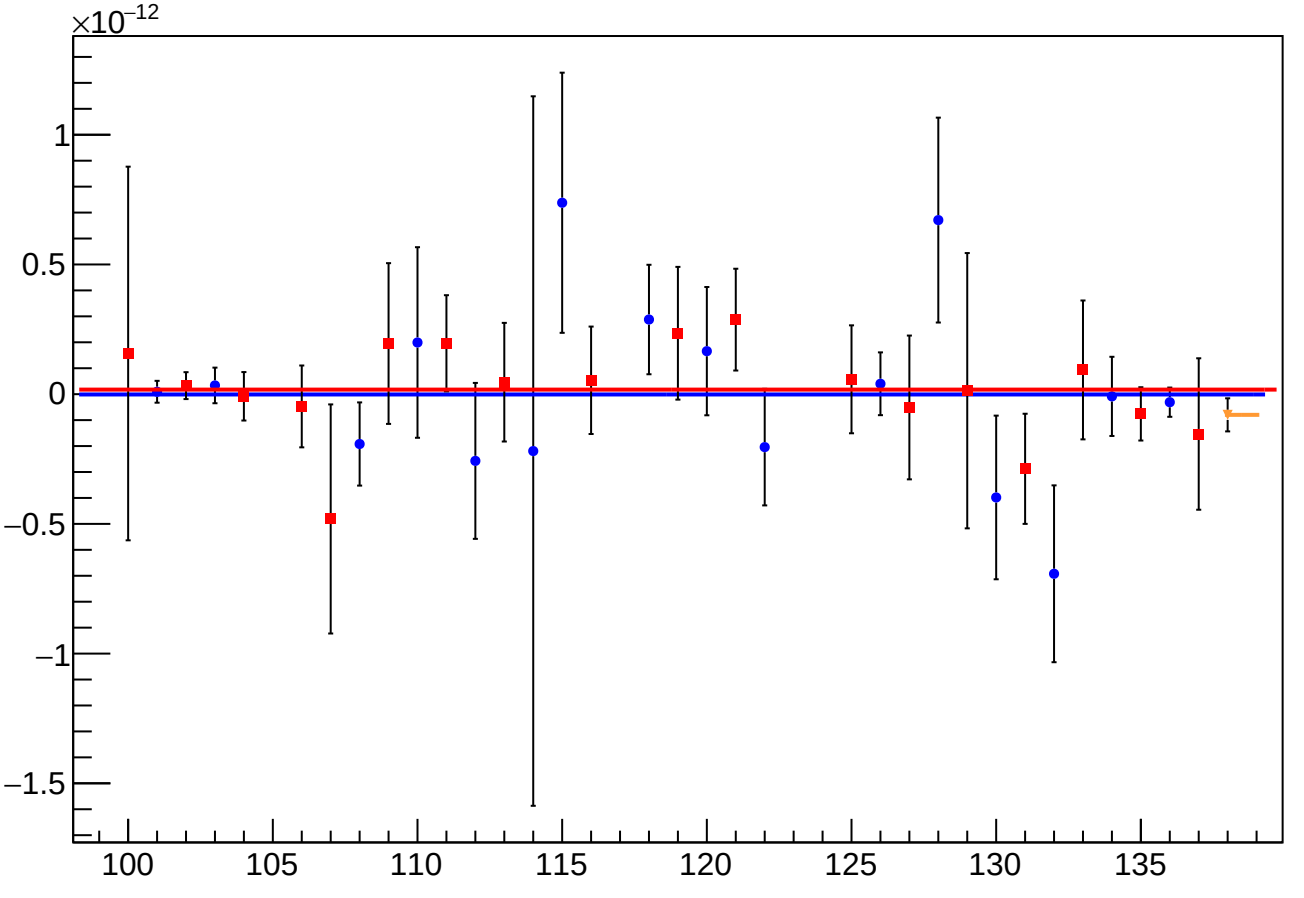
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4833.806+/-1142.535 χ^2/NDF:11.7/15

Out: 4124.686+/-1091.941 χ^2/NDF:20.3/18

All: 4463.198+/-789.399 χ^2/NDF: 32.1/34


asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
100
105
110
115
120
125
130
135
Right In: 3023.068+/-0.808 χ²/NDF: 443705.8/15
Left Out: 3211.751+/-2.577 χ²/NDF:0.0/0
Right Out: 3033.869+/-0.809 χ²/NDF: 342674.7/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 3211.751+/-2.577 χ²/NDF: 0.0/0
Right: 3028.459+/-0.572 χ²/NDF: 786469.7/33
In: 3023.068+/-0.808 χ²/NDF:443705.8/15
Out: 3049.843+/-0.772 χ²/NDF:347013.0/18
All: 3037.062+/-0.558 χ²/NDF: 791292.9/34



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

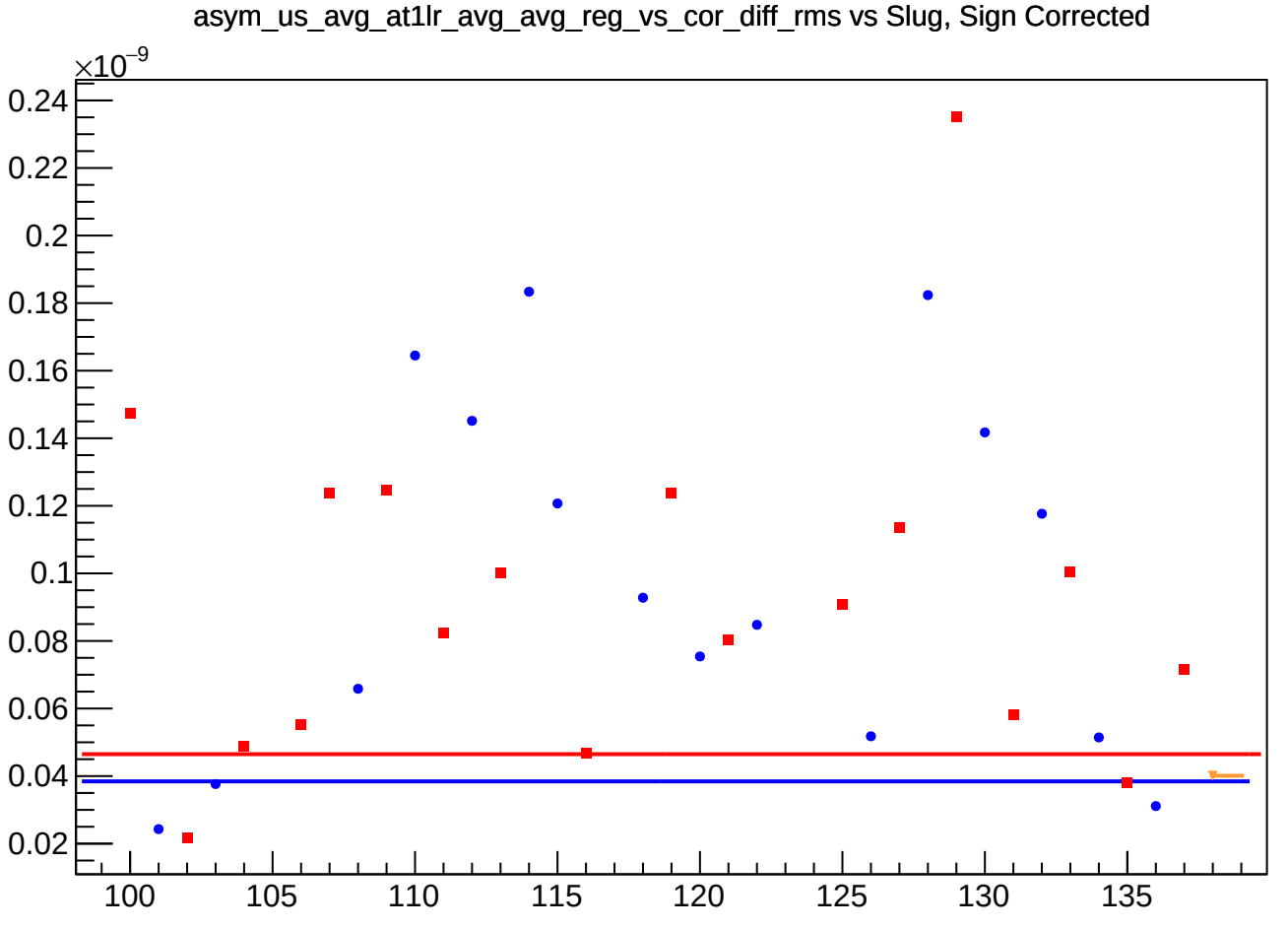
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: -0.000+/-0.000 χ^2/NDF:17.1/15

Out: -0.000+/-0.000 χ^2/NDF:10.8/18

All: -0.000+/-0.000 χ^2/NDF: 27.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

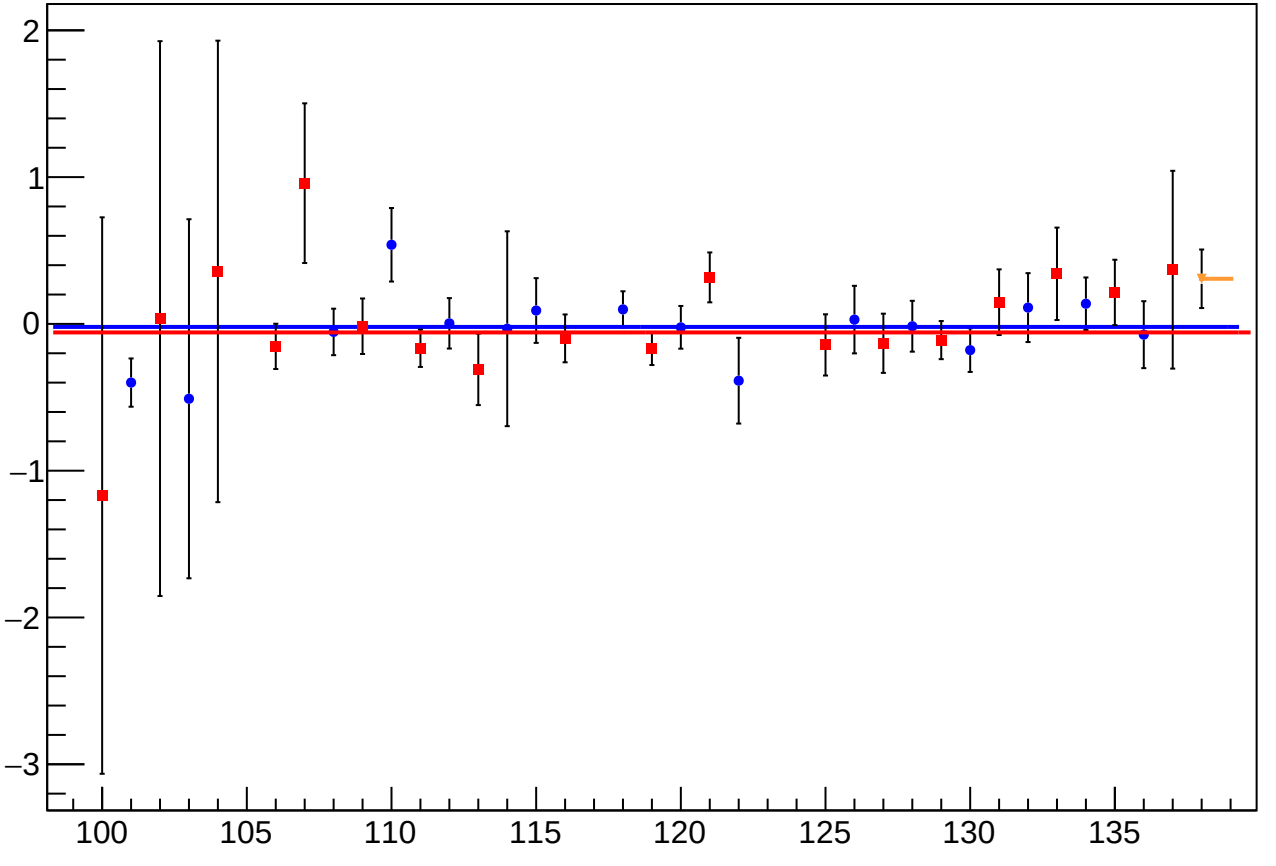
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:1771405.2/15

Out: 0.000+/-0.000 χ^2/NDF:1712628.9/18

All: 0.000+/-0.000 χ^2/NDF: 3536489.2/34

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: 0.307+/-0.199 χ^2/NDF:0.0/0

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.307+/-0.199 χ^2/NDF: 0.0/0

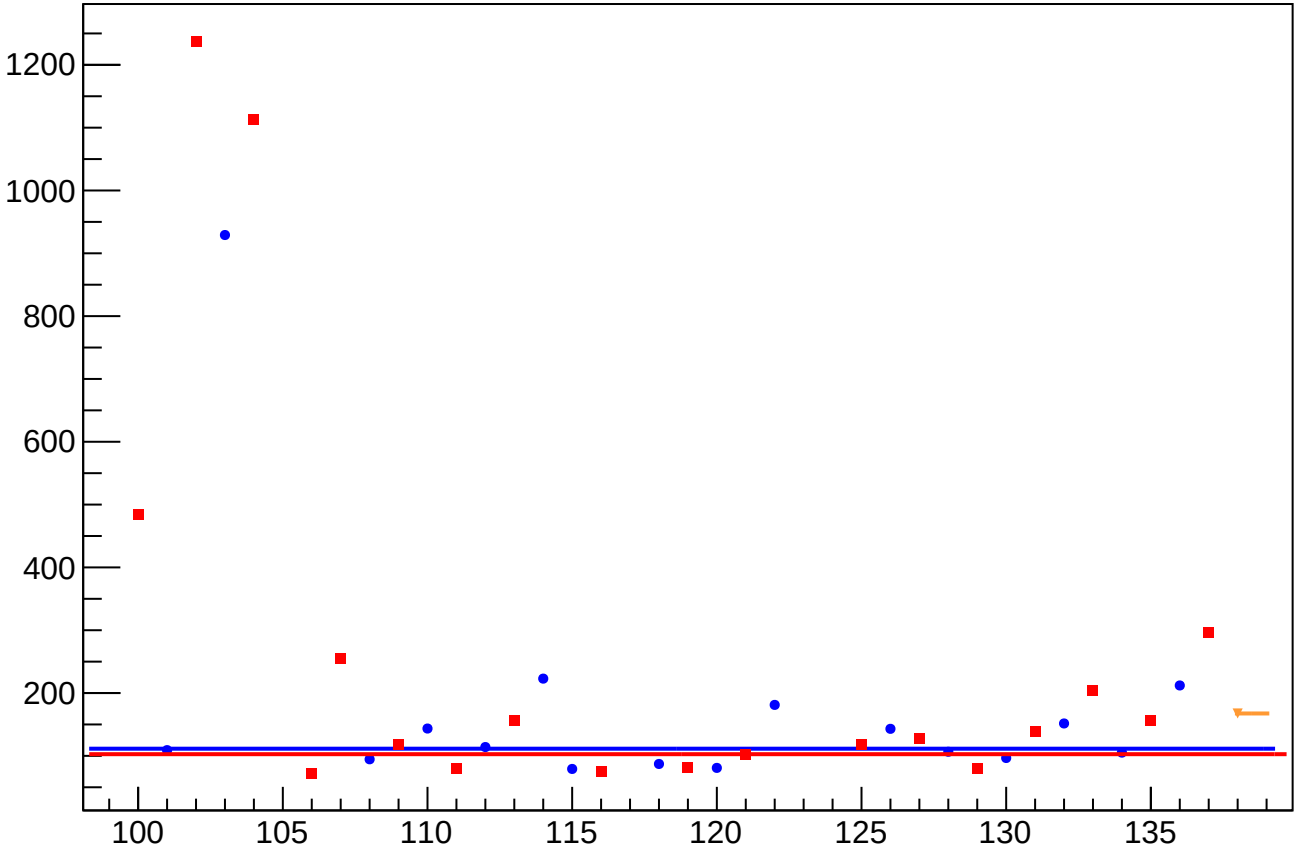
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.021+/-0.048 χ^2/NDF:15.6/15

Out: -0.039+/-0.045 χ^2/NDF:20.0/18

All: -0.030+/-0.033 χ^2/NDF: 35.7/34

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: 167.482+/-0.141 χ^2/NDF:0.0/0

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

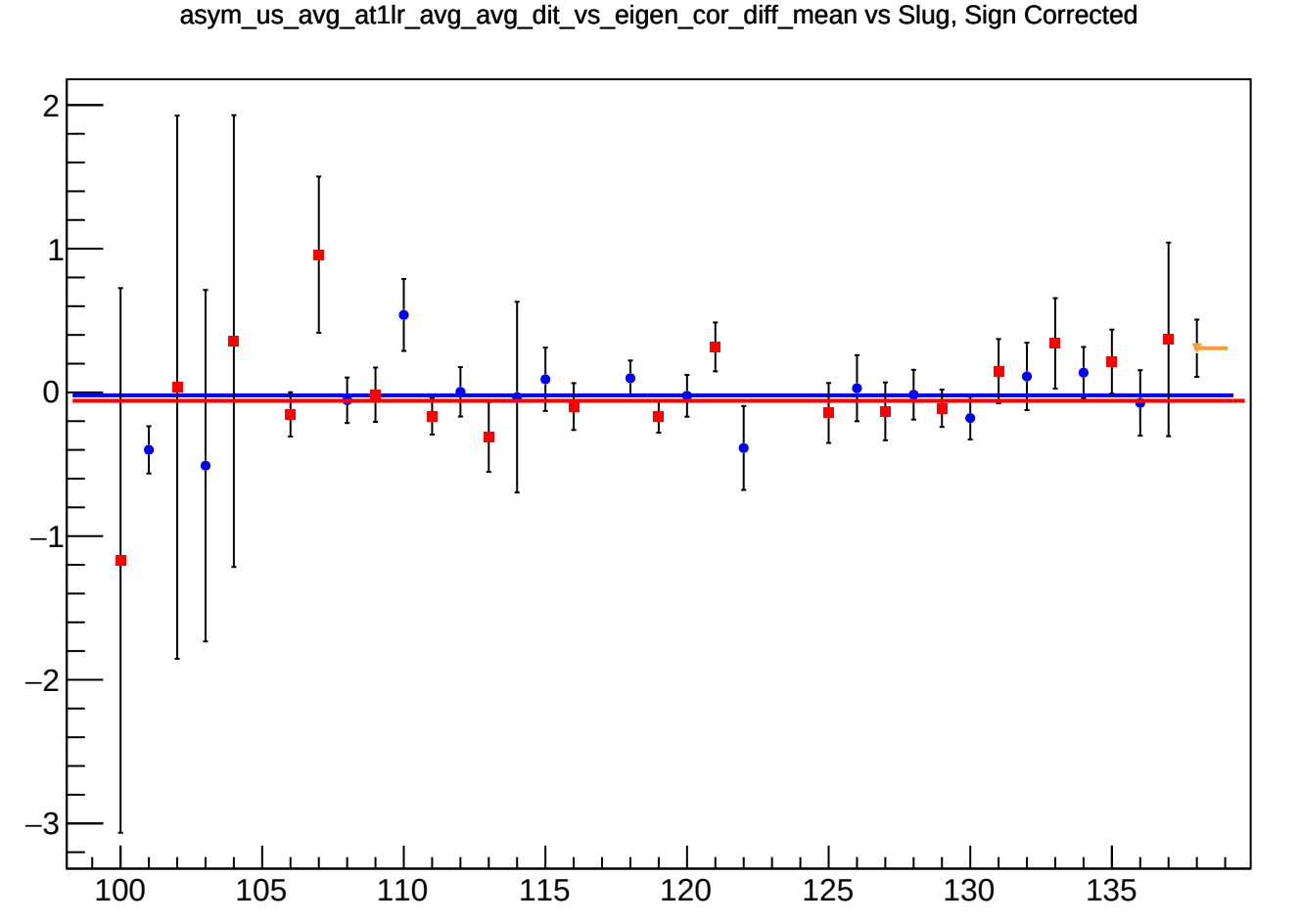
Left: 167.482+/-0.141 χ^2/NDF: 0.0/0

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

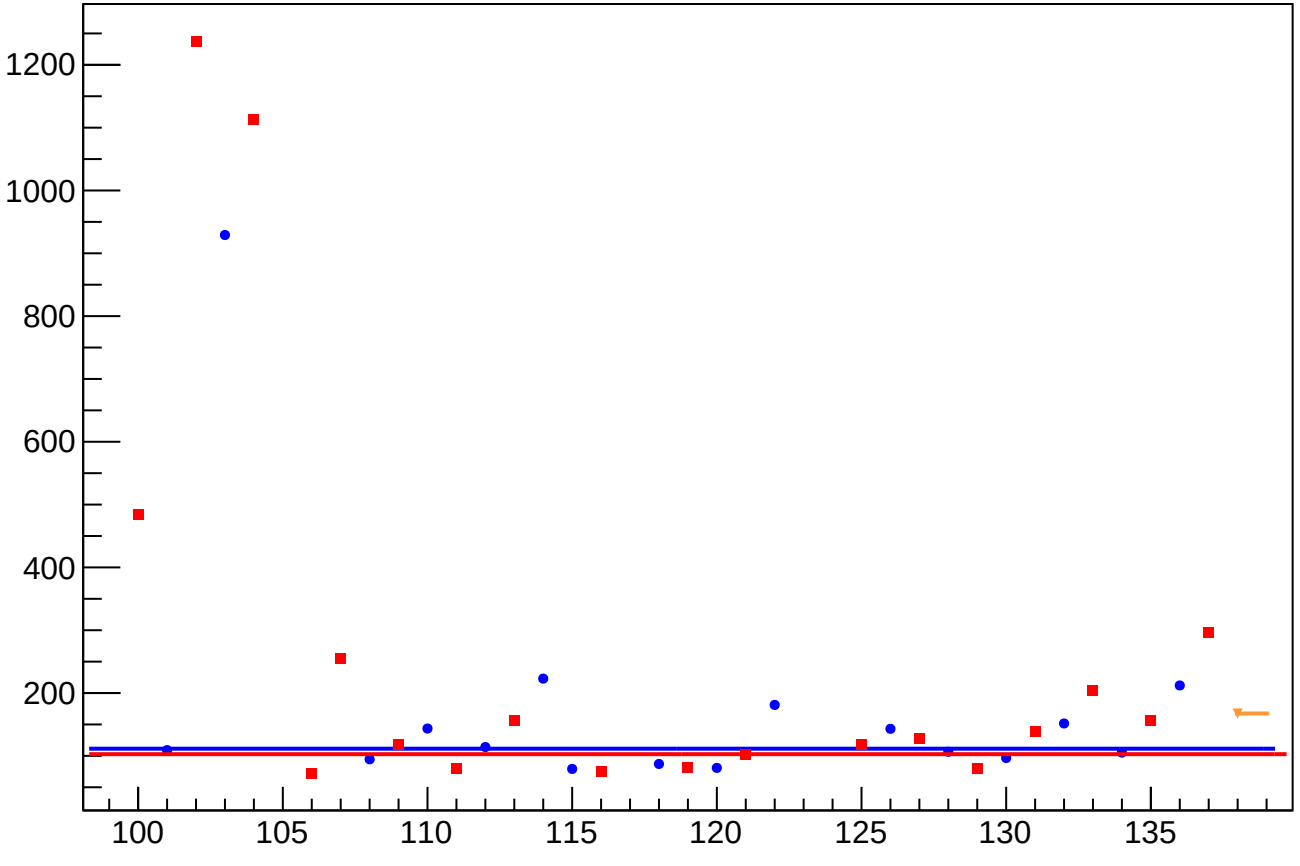
In: 111.407+/-0.034 χ^2/NDF:1839361.2/15

Out: 106.002+/-0.032 χ^2/NDF:3027246.8/18

All: 108.563+/-0.023 χ^2/NDF: 4880159.9/34


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
Right In: -0.021+/-0.048 χ²/NDF: 15.6/15
Left Out: 0.307+/-0.199 χ²/NDF:0.0/0
Right Out: -0.058+/-0.046 χ²/NDF: 16.8/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.307+/-0.199 χ²/NDF: 0.0/0
Right: -0.040+/-0.033 χ²/NDF: 32.8/33
In: -0.021+/-0.048 χ²/NDF:15.6/15
Out: -0.039+/-0.045 χ²/NDF:20.0/18
All: -0.030+/-0.033 χ²/NDF: 35.7/34

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: 167.482+/-0.141 χ^2/NDF:0.0/0

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

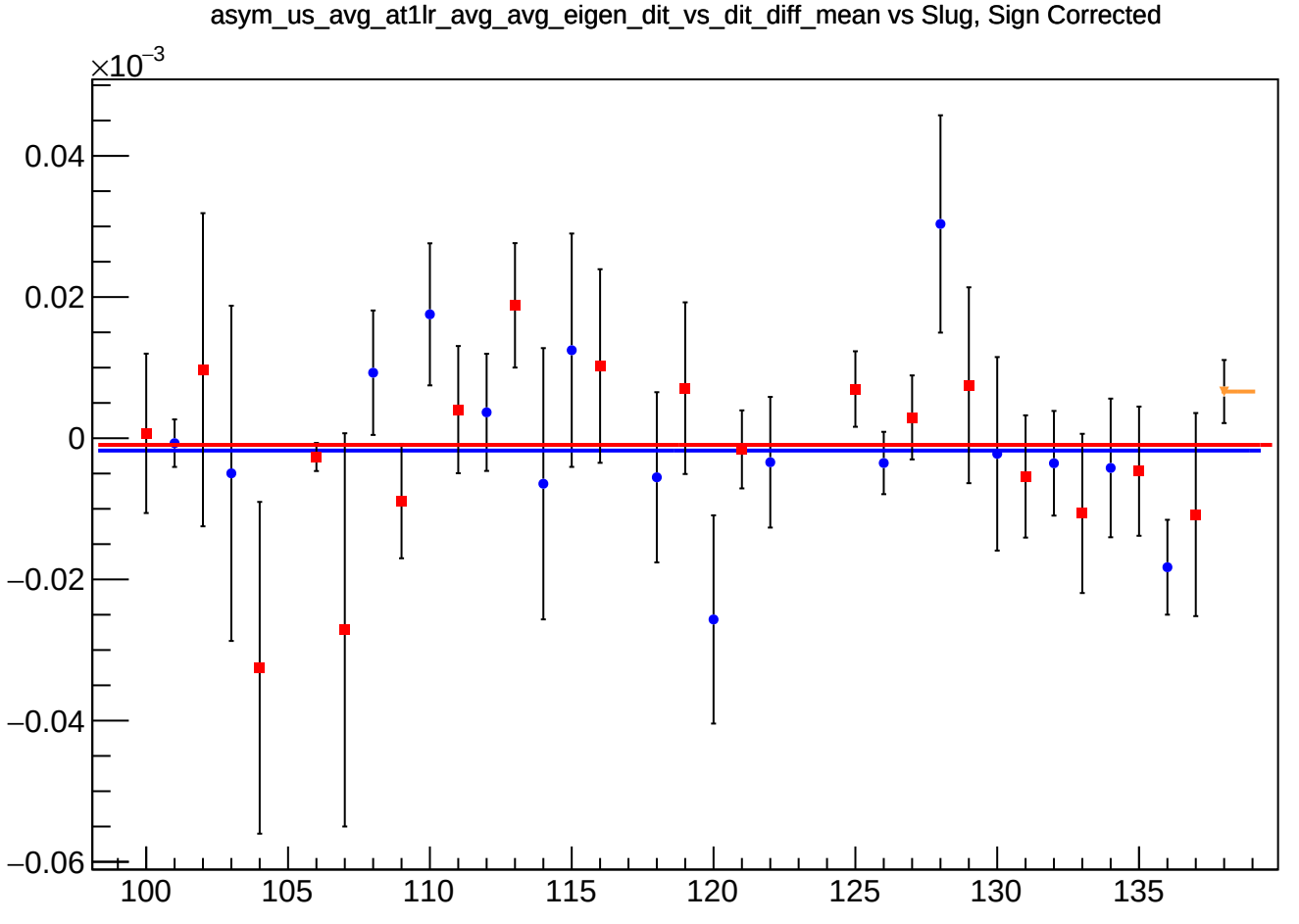
Left: 167.482+/-0.141 χ^2/NDF: 0.0/0

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 111.407+/-0.034 χ^2/NDF:1839361.2/15

Out: 106.002+/-0.032 χ^2/NDF:3027246.8/18

All: 108.563+/-0.023 χ^2/NDF: 4880159.9/34



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

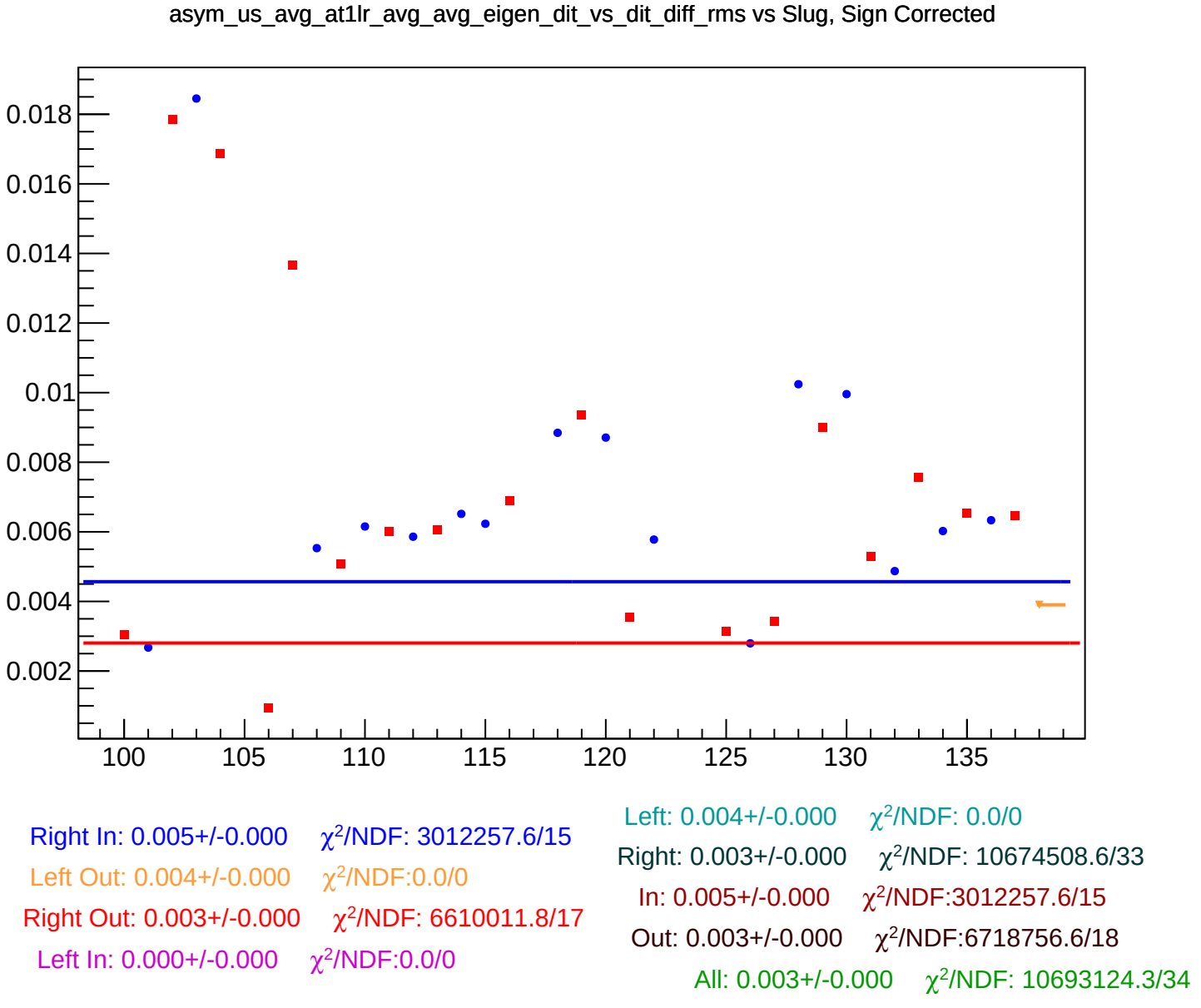
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

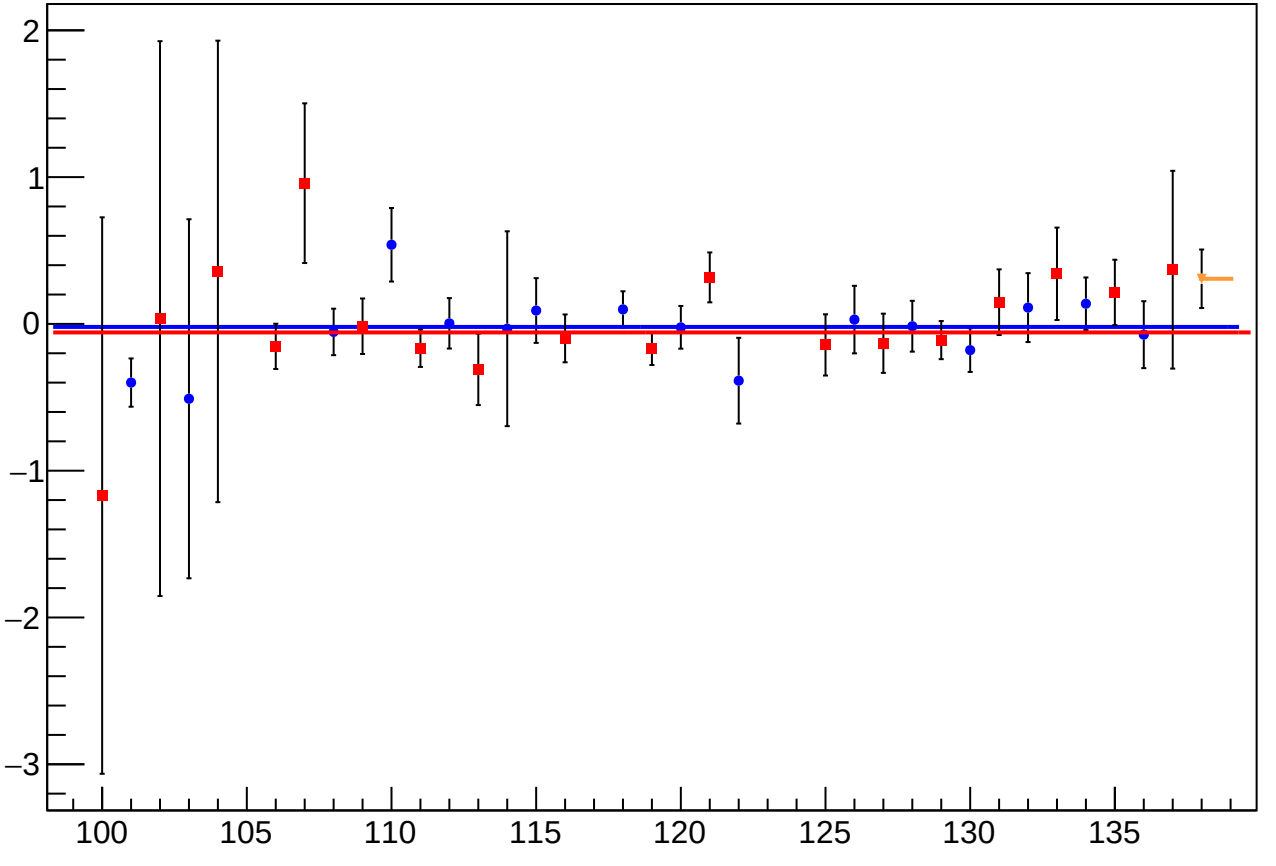
In: -0.000+/-0.000 χ^2/NDF:20.0/15

Out: -0.000+/-0.000 χ^2/NDF:18.3/18

All: -0.000+/-0.000 χ^2/NDF: 38.8/34


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:0.0/0
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.004+/-0.000 χ²/NDF: 0.0/0
Right: 0.003+/-0.000 χ²/NDF: 10674508.6/33
In: 0.005+/-0.000 χ²/NDF:3012257.6/15
Out: 0.003+/-0.000 χ²/NDF:6718756.6/18
All: 0.003+/-0.000 χ²/NDF: 10693124.3/34

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: 0.307+/-0.199 χ^2/NDF:0.0/0

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.307+/-0.199 χ^2/NDF: 0.0/0

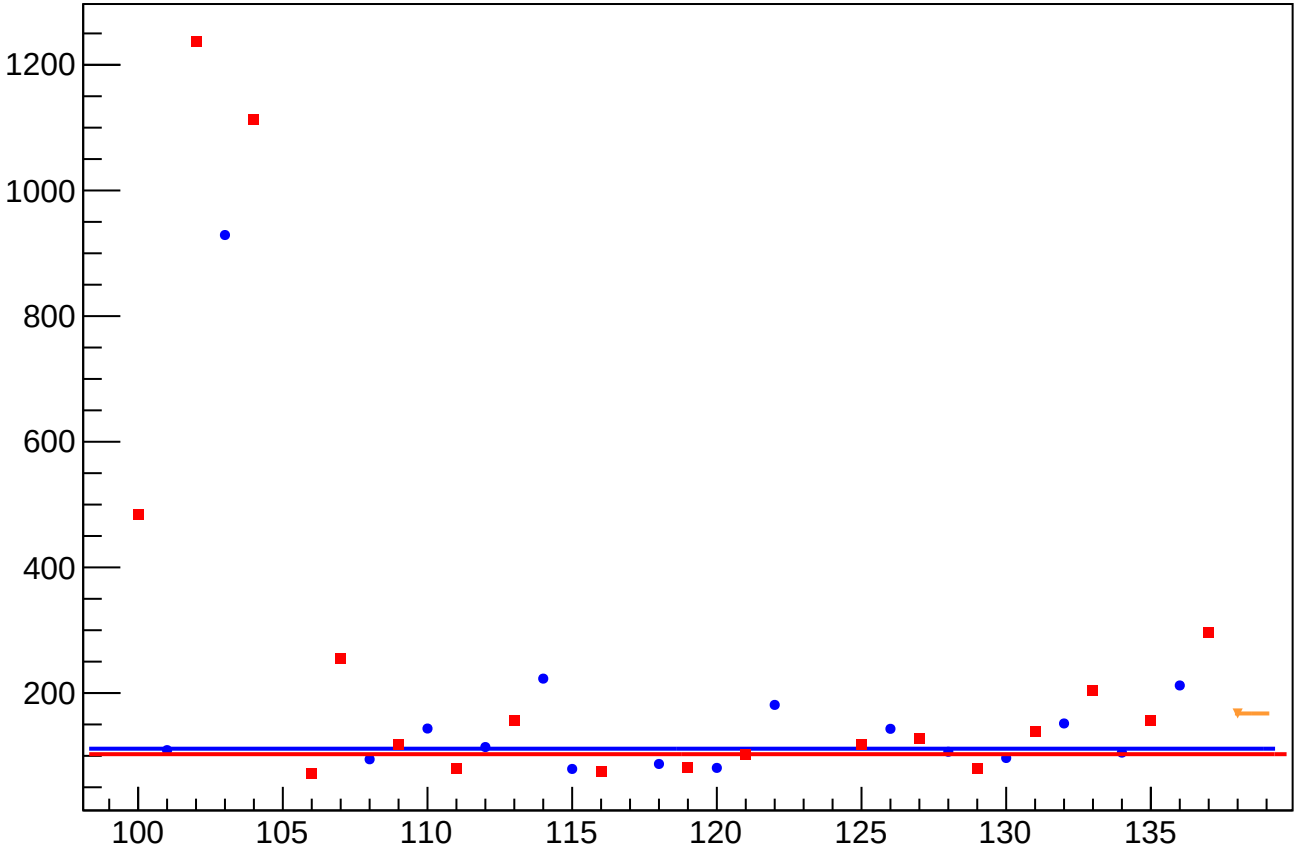
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.021+/-0.048 χ^2/NDF:15.6/15

Out: -0.039+/-0.045 χ^2/NDF:20.0/18

All: -0.030+/-0.033 χ^2/NDF: 35.7/34

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: 167.482+/-0.141 χ^2/NDF:0.0/0

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 167.482+/-0.141 χ^2/NDF: 0.0/0

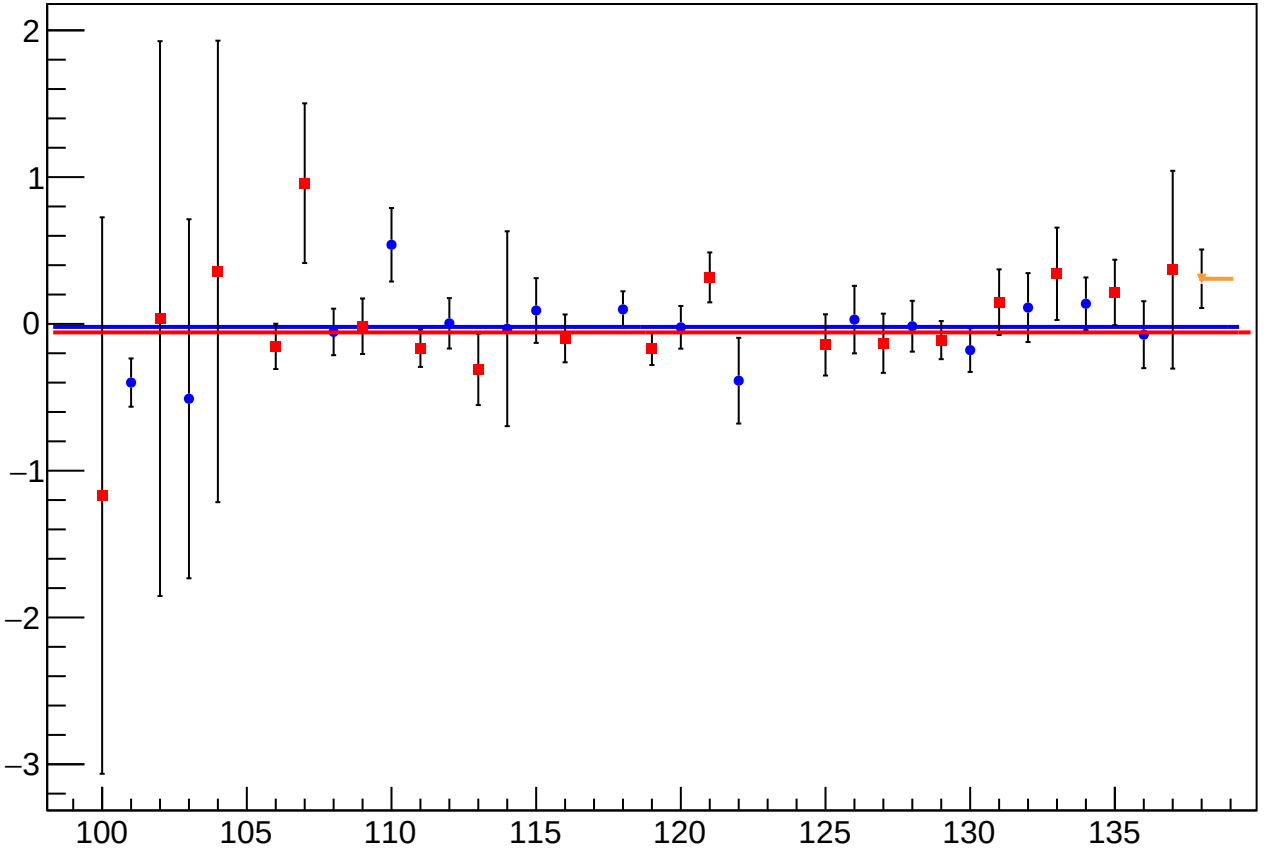
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 111.404+/-0.034 χ^2/NDF:1839407.3/15

Out: 106.000+/-0.032 χ^2/NDF:3027255.2/18

All: 108.560+/-0.023 χ^2/NDF: 4880209.2/34

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: 0.307+/-0.199 χ^2/NDF:0.0/0

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.307+/-0.199 χ^2/NDF: 0.0/0

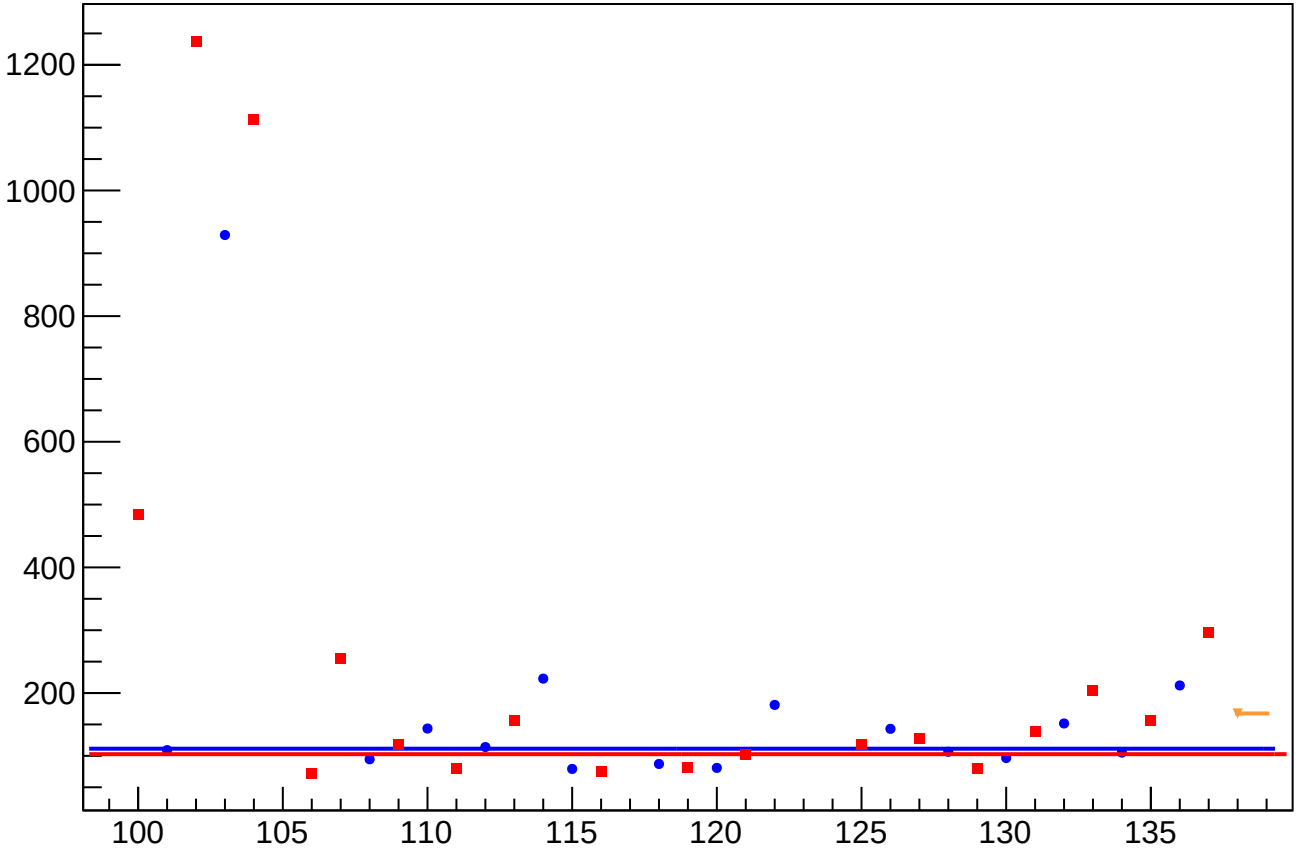
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.021+/-0.048 χ^2/NDF:15.6/15

Out: -0.039+/-0.045 χ^2/NDF:20.0/18

All: -0.030+/-0.033 χ^2/NDF: 35.7/34

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: 167.482+/-0.141 χ^2/NDF:0.0/0

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

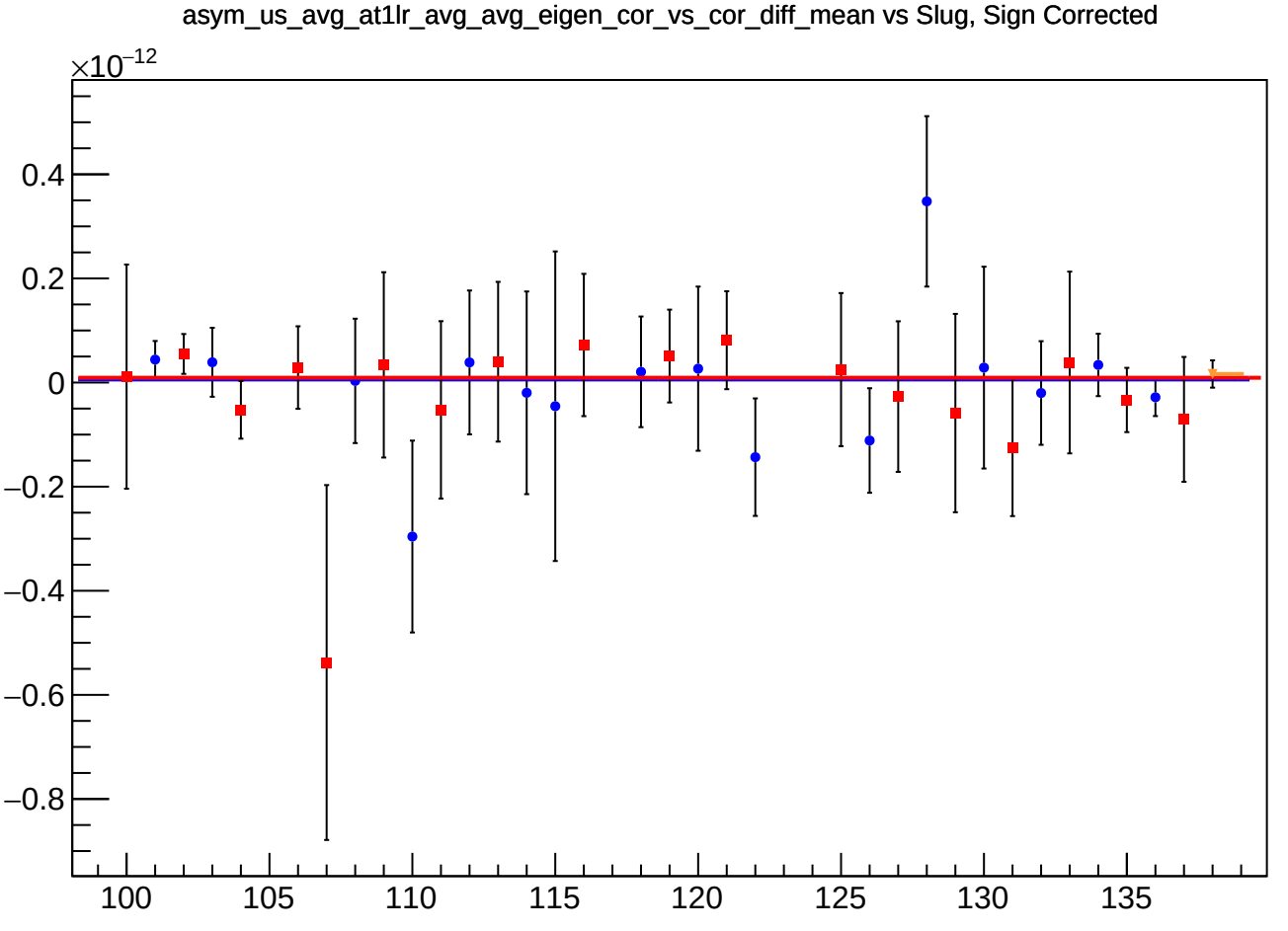
Left: 167.482+/-0.141 χ^2/NDF: 0.0/0

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 111.404+/-0.034 χ^2/NDF:1839407.3/15

Out: 106.000+/-0.032 χ^2/NDF:3027255.2/18

All: 108.560+/-0.023 χ^2/NDF: 4880209.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

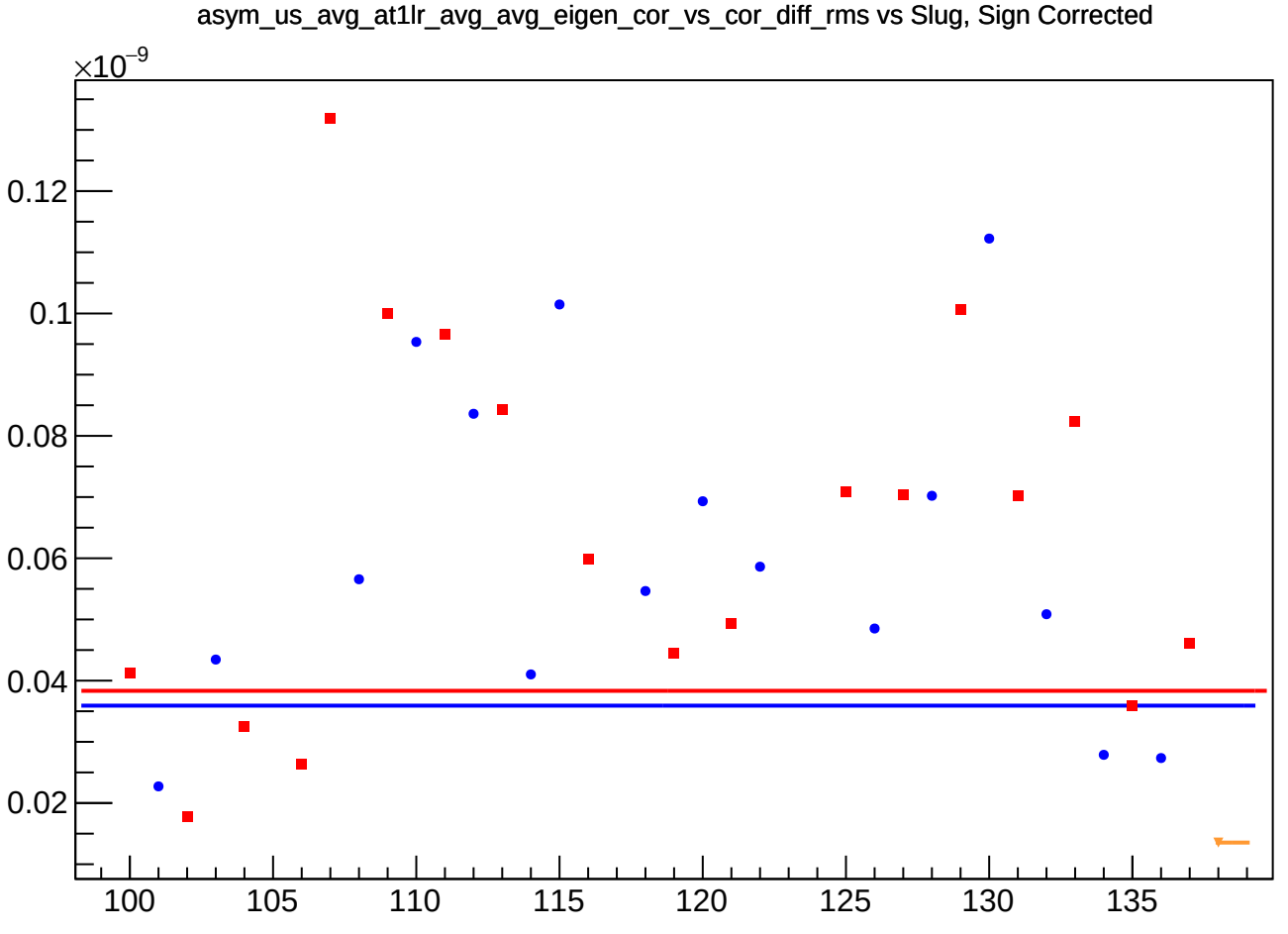
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: 0.000+/-0.000 χ^2/NDF:12.9/15

Out: 0.000+/-0.000 χ^2/NDF:8.7/18

All: 0.000+/-0.000 χ^2/NDF: 21.7/34



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

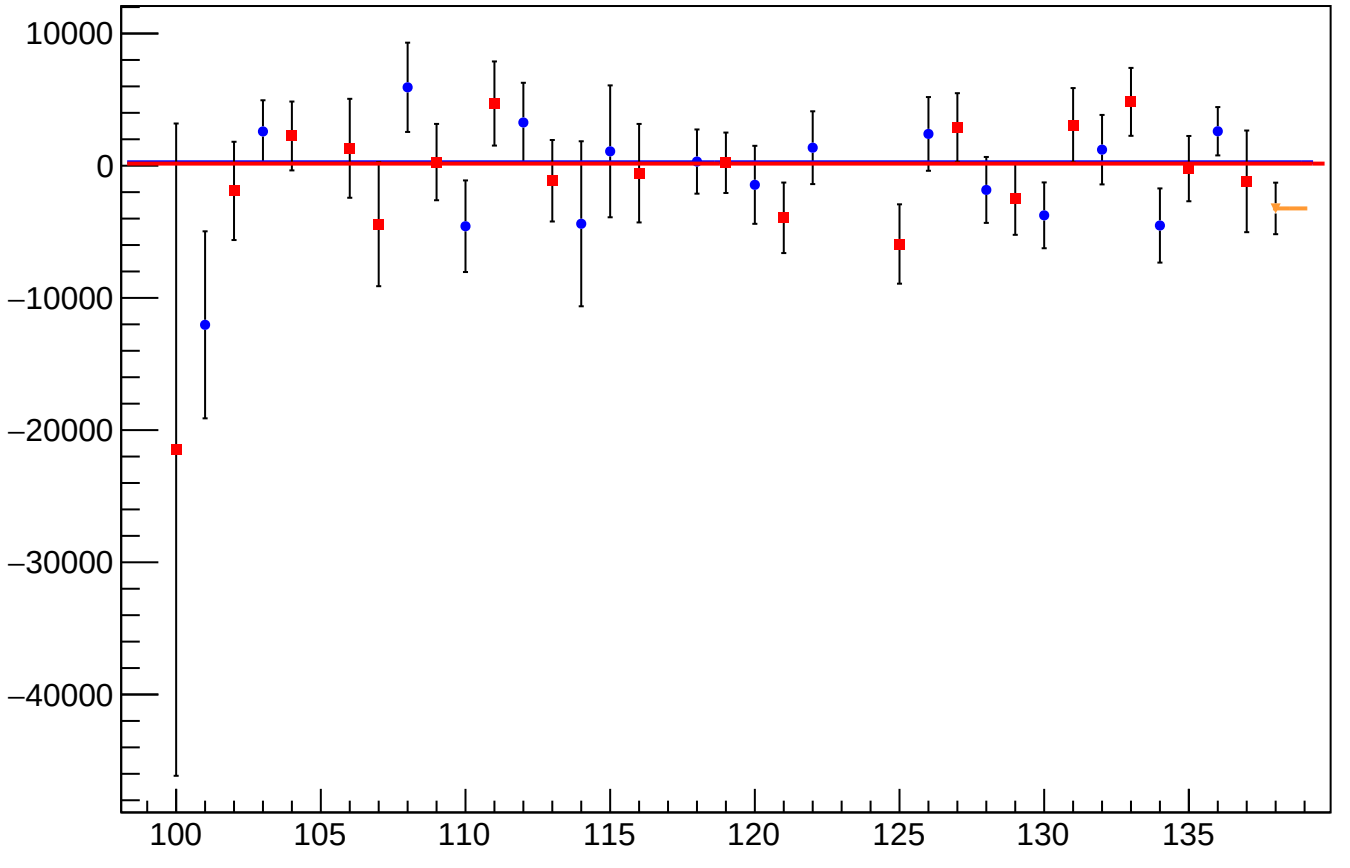
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:1759038.1/15

Out: 0.000+/-0.000 χ^2/NDF:3265859.5/18

All: 0.000+/-0.000 χ^2/NDF: 5203322.6/34



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -3230.917+/-1948.960 χ^2/NDF:0.0/0

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

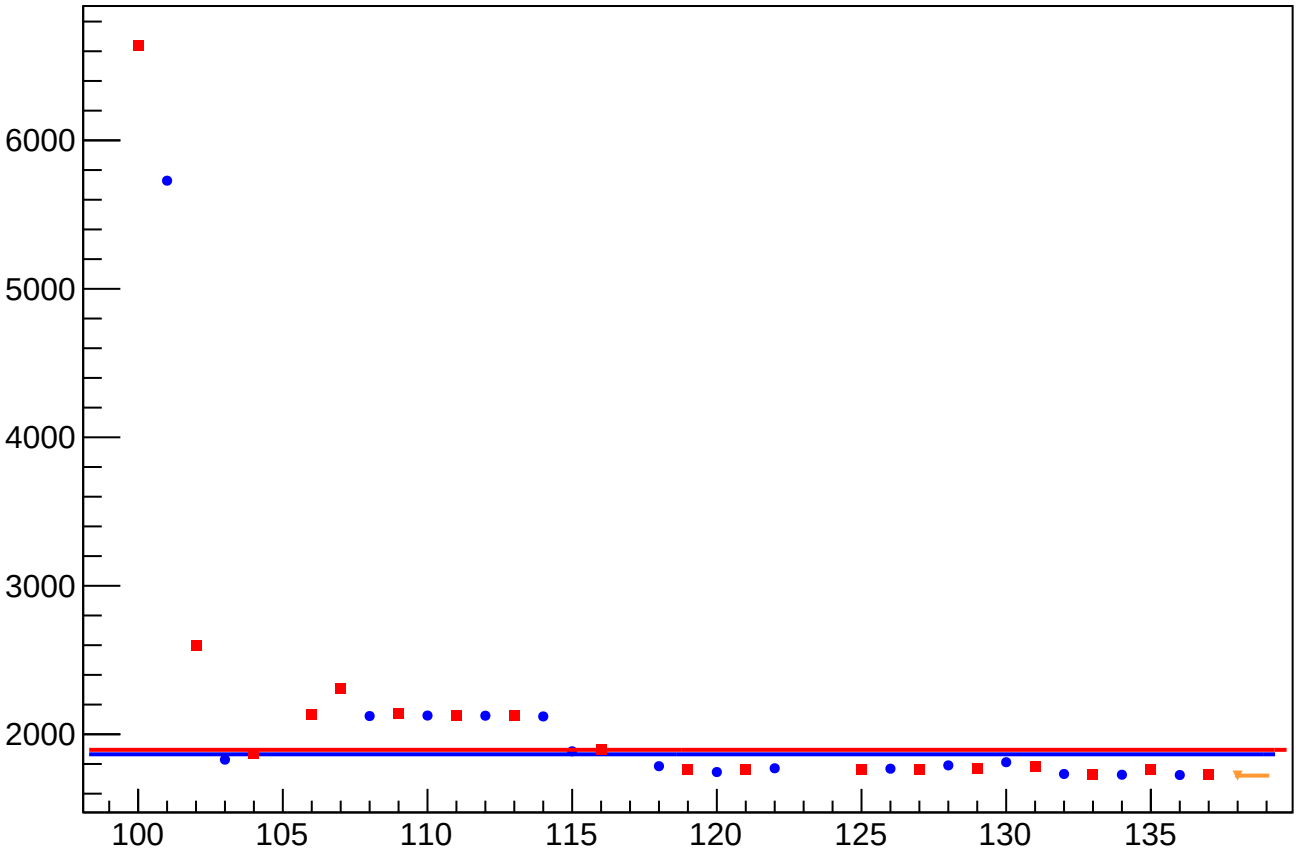
Left: -3230.917+/-1948.960 χ^2/NDF: 0.0/0

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: 259.502+/-709.700 χ^2/NDF:19.4/15

Out: -240.171+/-669.030 χ^2/NDF:20.8/18

All: -5.061+/-486.819 χ^2/NDF: 40.4/34



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1721.728+/-1.378 χ^2/NDF:0.0/0

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1721.728+/-1.378 χ^2/NDF: 0.0/0

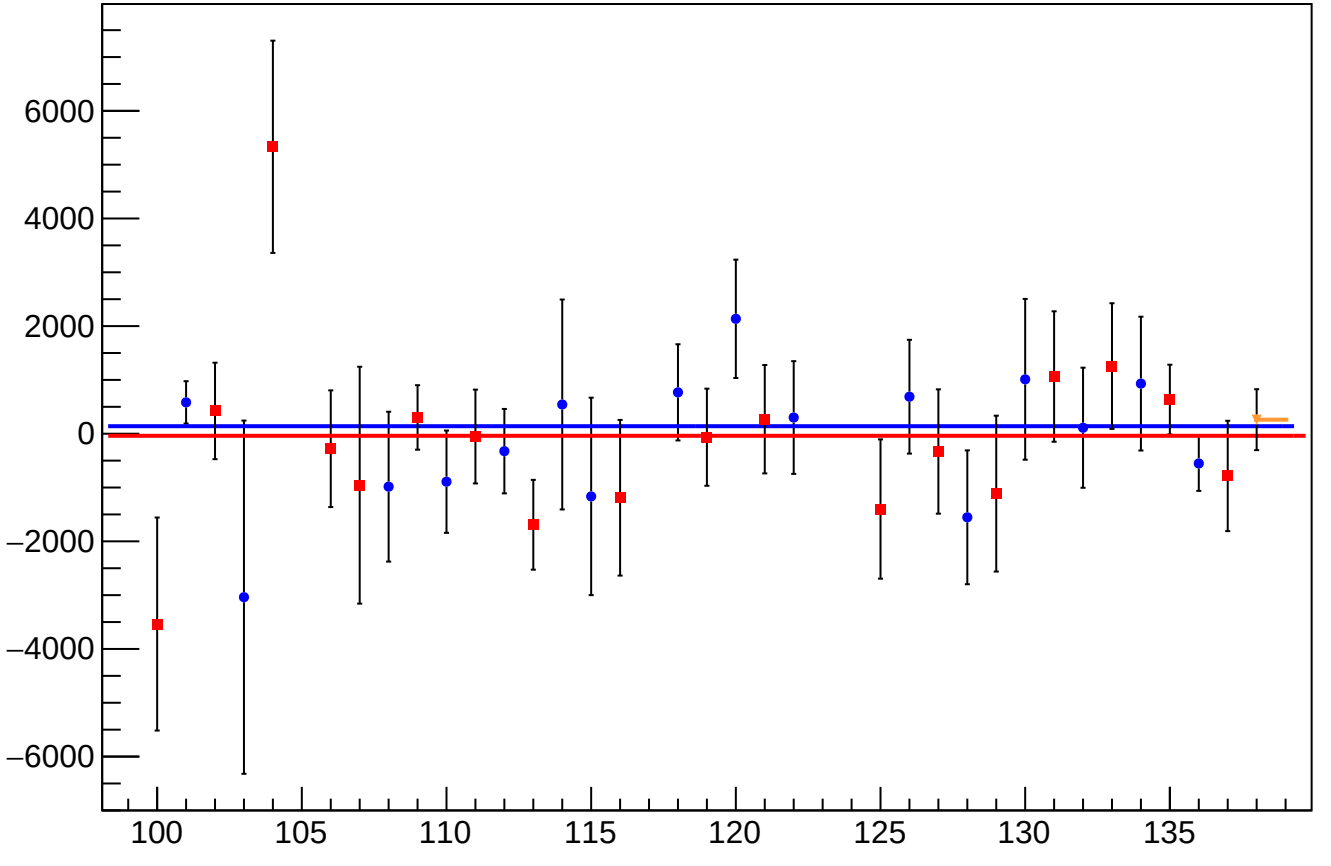
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1865.170+/-0.502 χ^2/NDF:672724.7/15

Out: 1874.802+/-0.473 χ^2/NDF:264792.1/18

All: 1870.270+/-0.344 χ^2/NDF: 937711.9/34

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: 260.989+/-566.347 χ^2/NDF:0.0/0

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 260.989+/-566.347 χ^2/NDF: 0.0/0

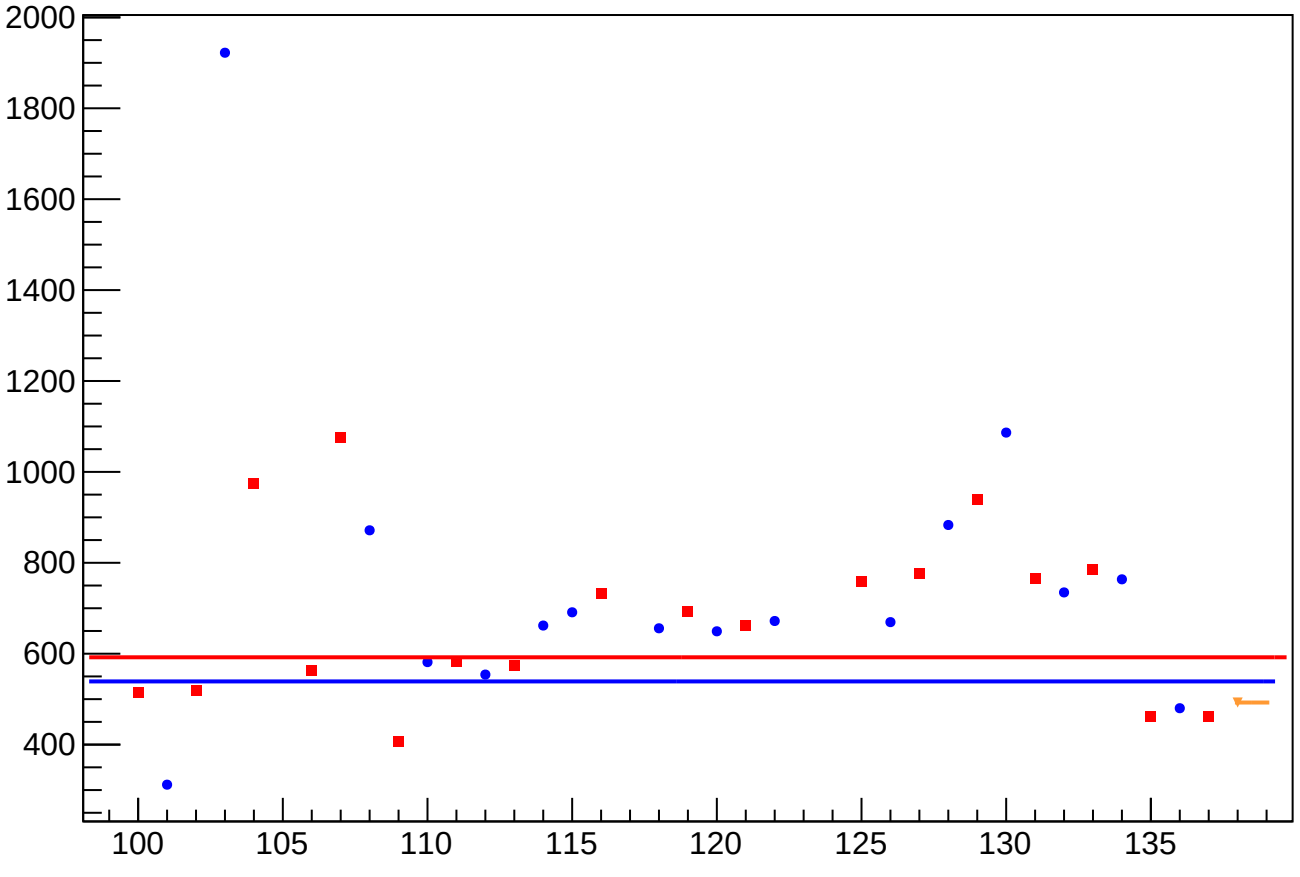
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 139.799+/-220.100 χ^2/NDF:13.5/15

Out: 6.423+/-219.612 χ^2/NDF:21.6/18

All: 72.963+/-155.461 χ^2/NDF: 35.3/34

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: 492.597+/-0.400 χ^2/NDF:0.0/0

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

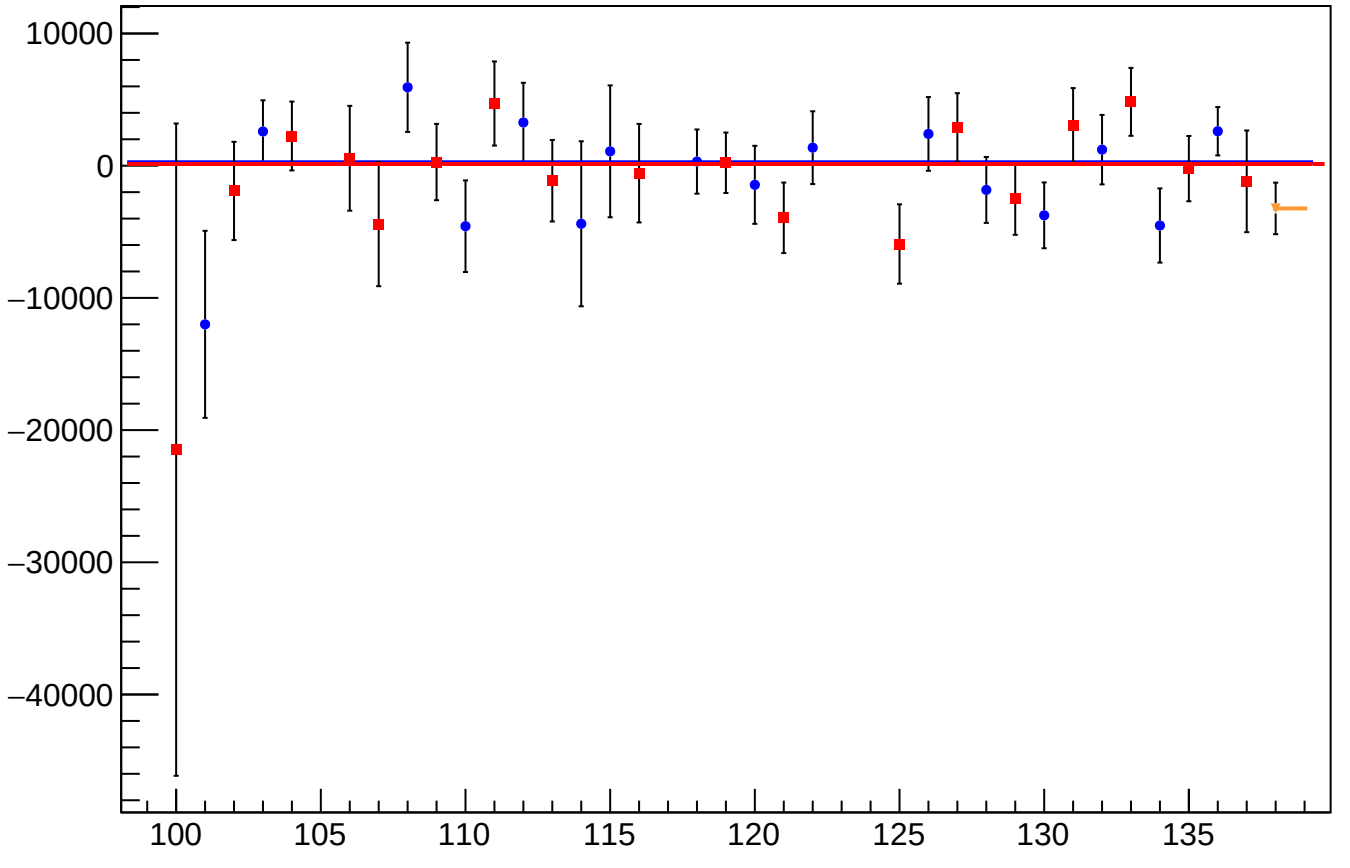
Left: 492.597+/-0.400 χ^2/NDF: 0.0/0

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 539.016+/-0.156 χ^2/NDF:1854576.5/15

Out: 577.139+/-0.155 χ^2/NDF:895520.0/18

All: 558.120+/-0.110 χ^2/NDF: 2780164.0/34



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -3230.927+/-1948.960 χ^2/NDF:0.0/0

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

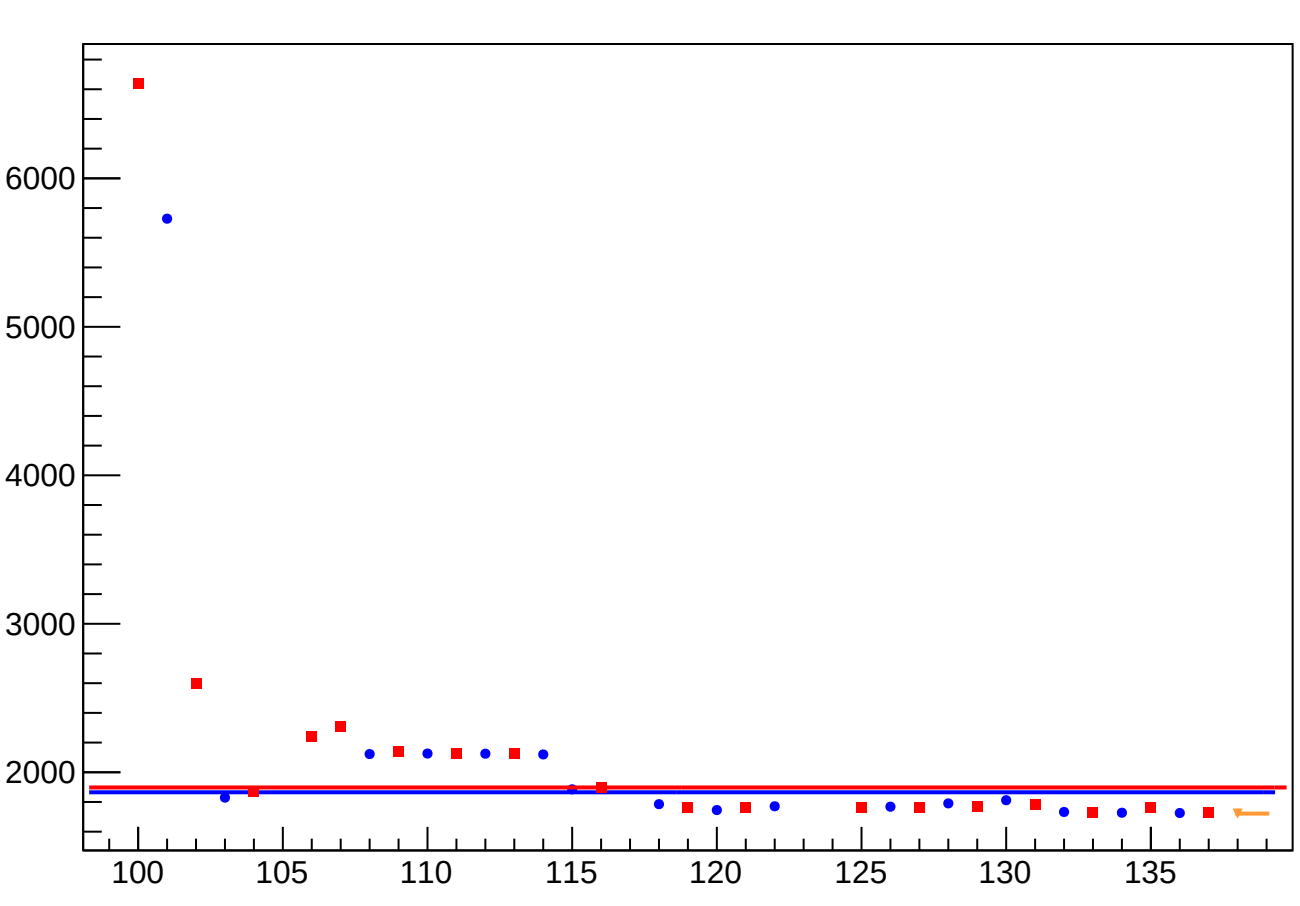
Left: -3230.927+/-1948.960 χ^2/NDF: 0.0/0

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 259.689+/-709.700 χ^2/NDF:19.4/15

Out: -267.386+/-670.198 χ^2/NDF:20.6/18

All: -18.924+/-487.268 χ^2/NDF: 40.3/34



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1721.728+/-1.378 χ^2/NDF:0.0/0

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

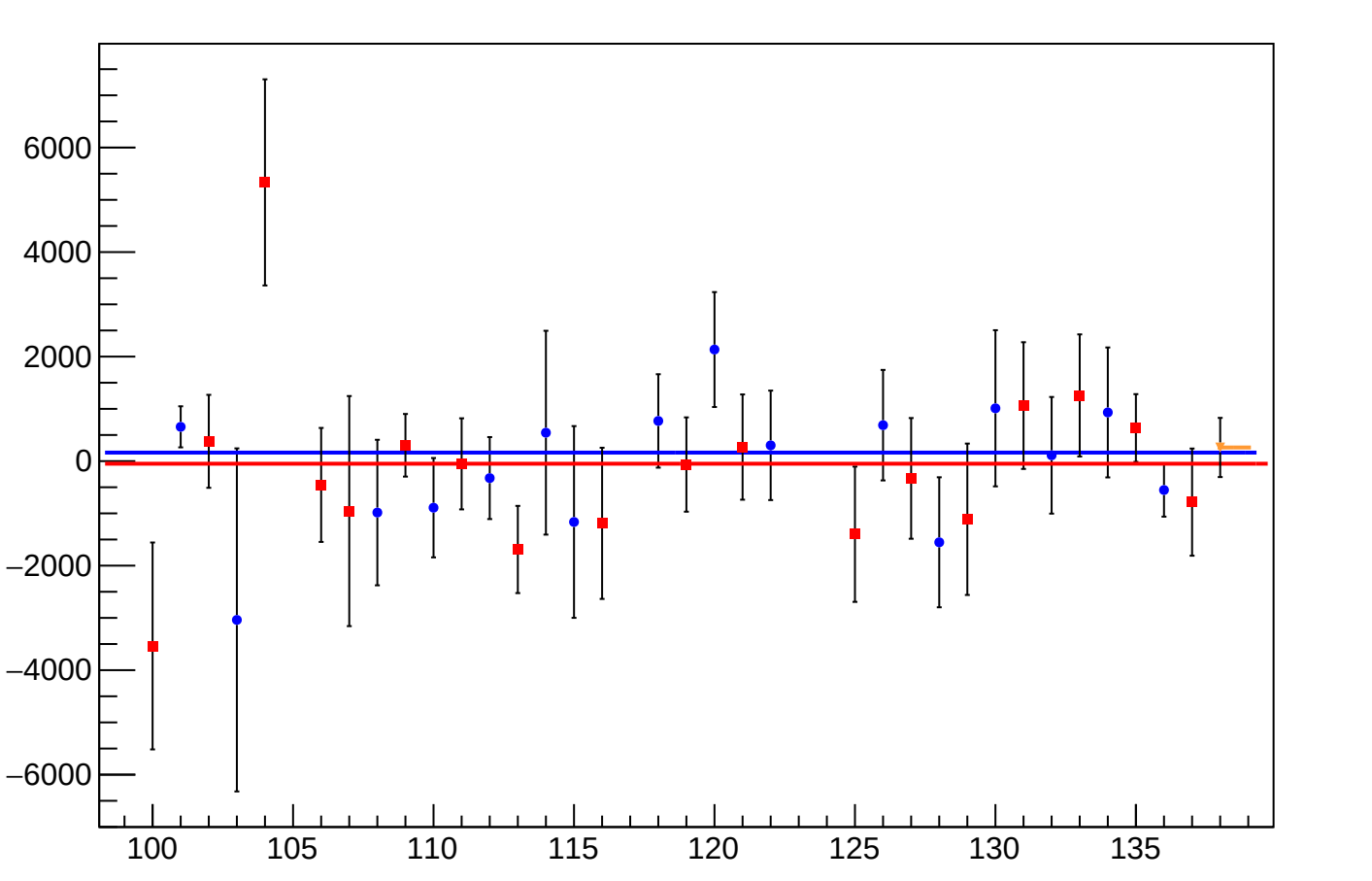
Left: 1721.728+/-1.378 χ^2/NDF: 0.0/0

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1865.170+/-0.502 χ^2/NDF:672724.7/15

Out: 1876.892+/-0.474 χ^2/NDF:272111.7/18

All: 1871.366+/-0.345 χ^2/NDF: 945124.8/34



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 261.192+/-566.359 χ^2/NDF:0.0/0

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 261.192+/-566.359 χ^2/NDF: 0.0/0

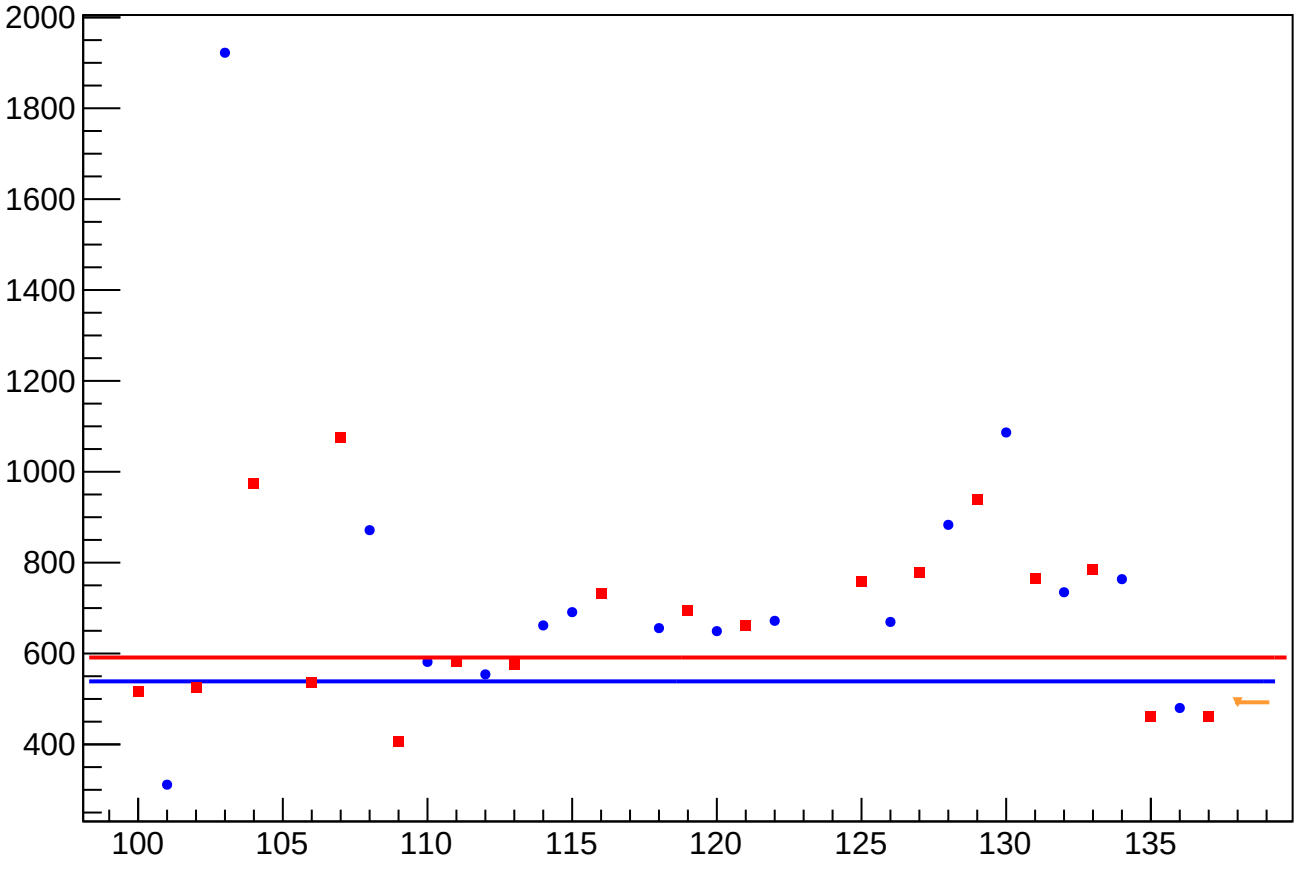
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 163.149+/-220.024 χ^2/NDF:13.9/15

Out: -2.903+/-219.569 χ^2/NDF:21.7/18

All: 79.951+/-155.419 χ^2/NDF: 35.9/34

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: 492.611+/-0.400 χ^2/NDF:0.0/0

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

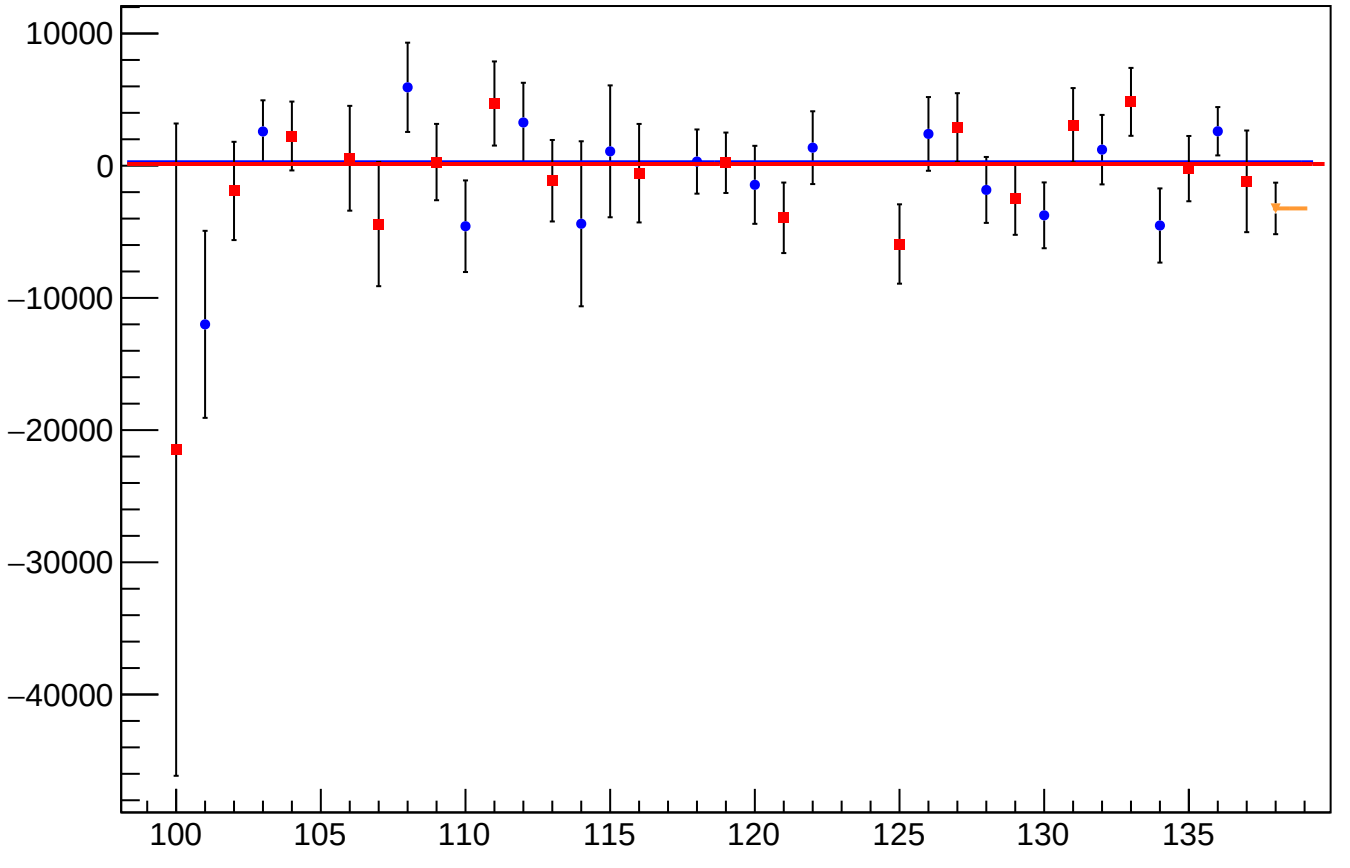
Left: 492.611+/-0.400 χ^2/NDF: 0.0/0

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 538.703+/-0.156 χ^2/NDF:1858892.9/15

Out: 576.417+/-0.155 χ^2/NDF:896076.1/18

All: 557.599+/-0.110 χ^2/NDF: 2784410.6/34



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -3230.927+/-1948.960 χ^2/NDF:0.0/0

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

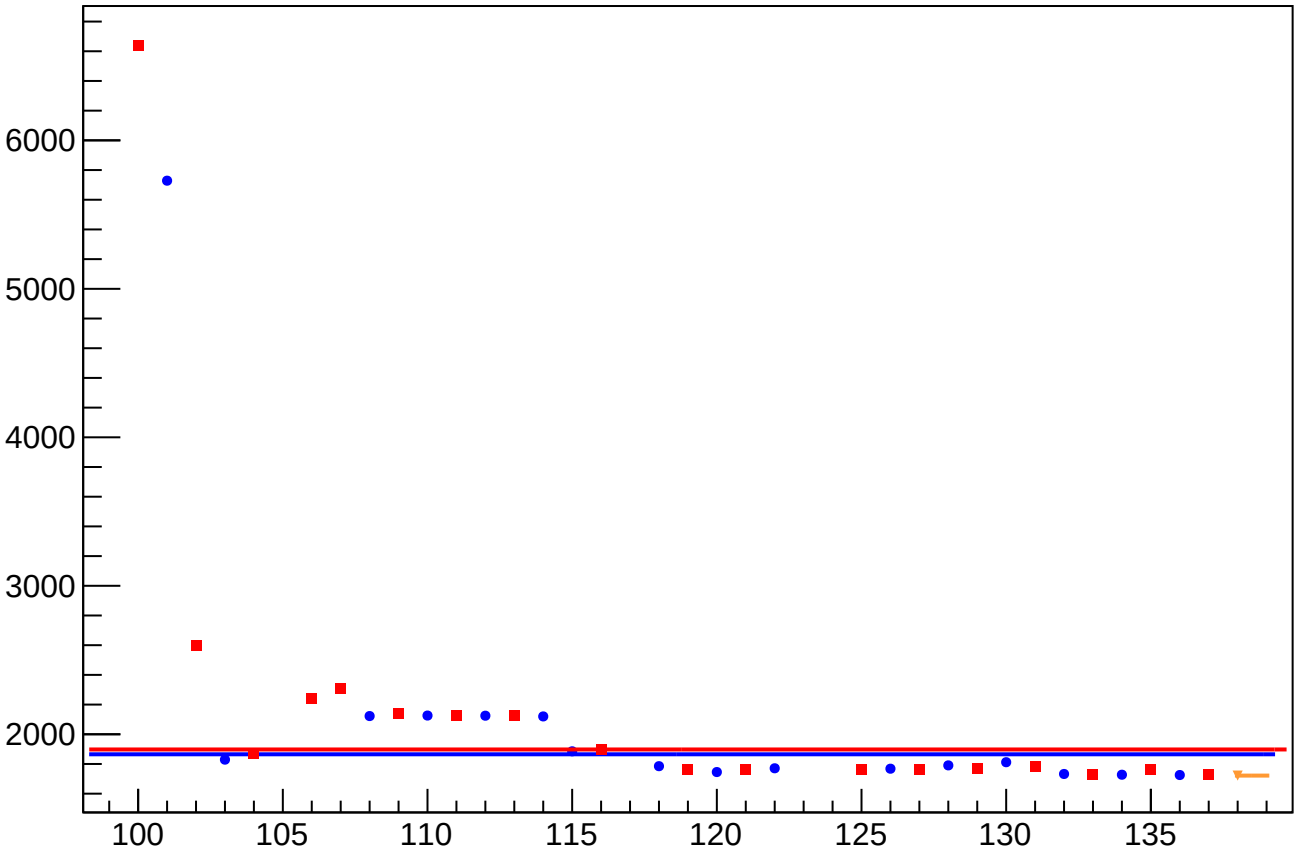
Left: -3230.927+/-1948.960 χ^2/NDF: 0.0/0

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 259.689+/-709.700 χ^2/NDF:19.4/15

Out: -267.386+/-670.198 χ^2/NDF:20.6/18

All: -18.924+/-487.268 χ^2/NDF: 40.3/34



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1721.728+/-1.378 χ^2/NDF:0.0/0

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

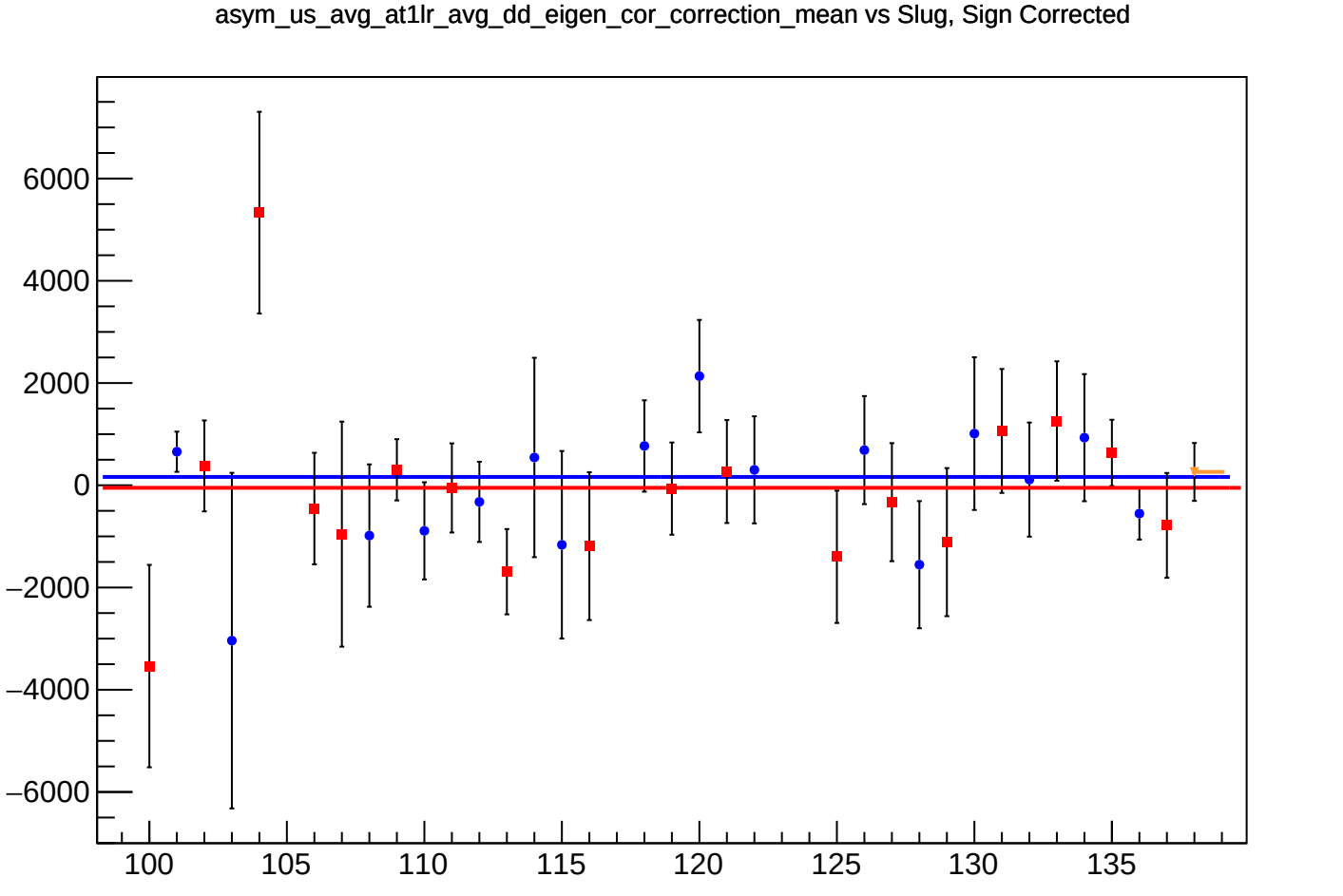
Left: 1721.728+/-1.378 χ^2/NDF: 0.0/0

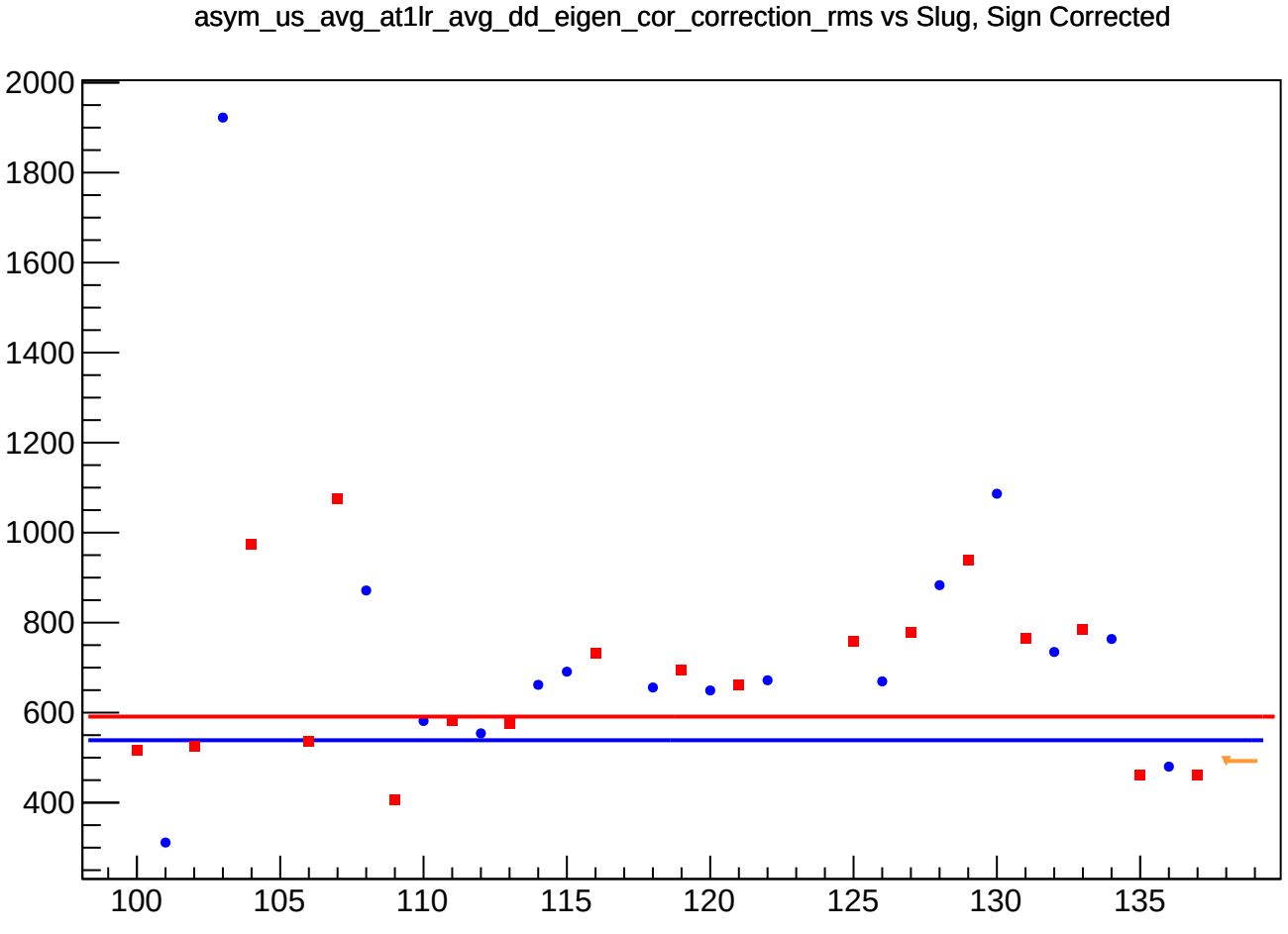
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

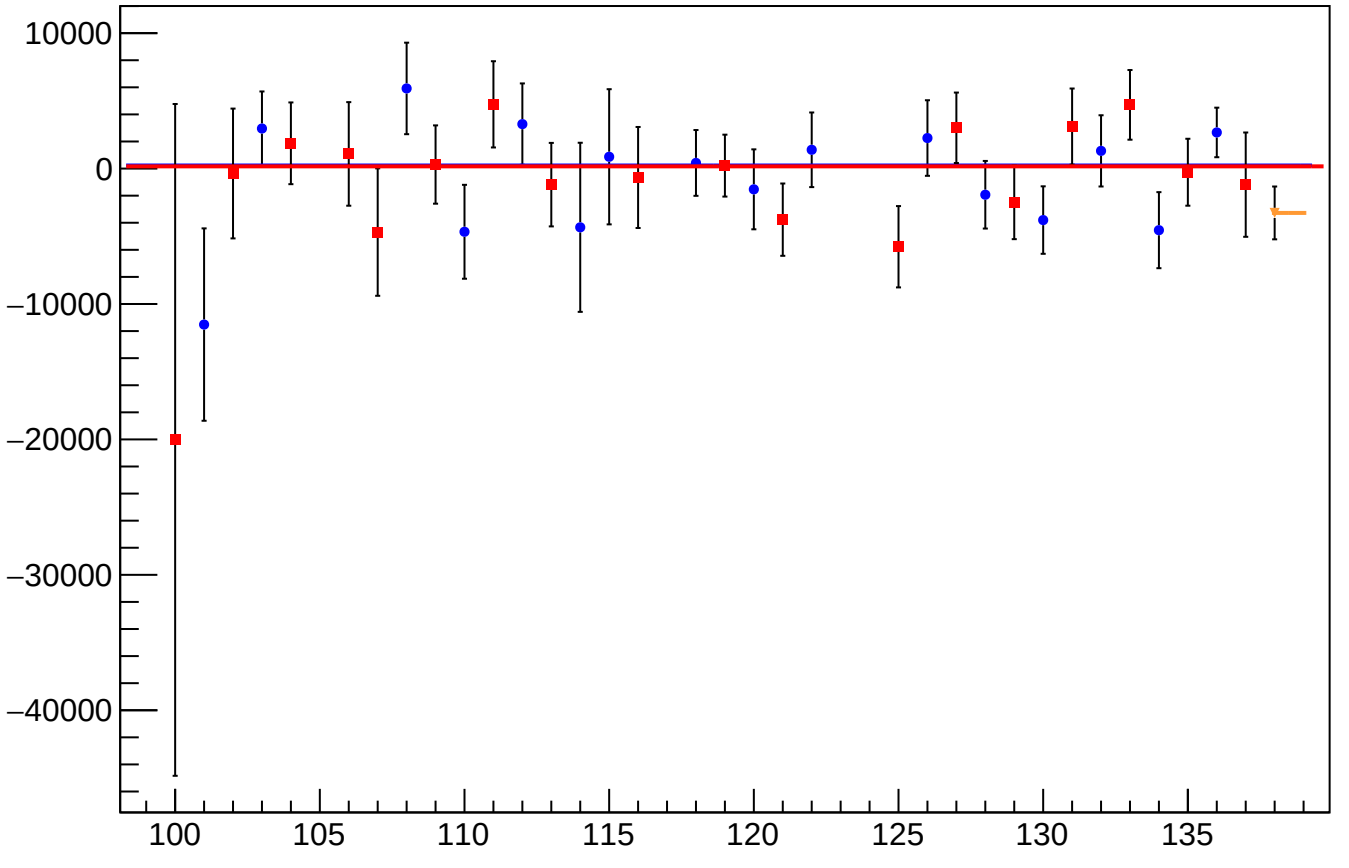
In: 1865.170+/-0.502 χ^2/NDF:672724.7/15

Out: 1876.892+/-0.474 χ^2/NDF:272111.7/18

All: 1871.366+/-0.345 χ^2/NDF: 945124.8/34


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
105
110
115
120
125
130
135
Right In: 163.149+/-220.024 χ²/NDF: 13.9/15
Left Out: 261.192+/-566.359 χ²/NDF:0.0/0
Right Out: -49.618+/-238.198 χ²/NDF: 21.4/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 261.192+/-566.359 χ²/NDF: 0.0/0
Right: 65.191+/-161.624 χ²/NDF: 35.8/33
In: 163.149+/-220.024 χ²/NDF:13.9/15
Out: -2.903+/-219.569 χ²/NDF:21.7/18
All: 79.951+/-155.419 χ²/NDF: 35.9/34


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
600
400
100
105
110
115
120
125
130
135
Right In: 538.703+/-0.156 χ²/NDF: 1858892.9/15
Left Out: 492.611+/-0.400 χ²/NDF:0.0/0
Right Out: 591.241+/-0.168 χ²/NDF: 844536.8/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 492.611+/-0.400 χ²/NDF: 0.0/0
Right: 562.892+/-0.114 χ²/NDF: 2755931.5/33
In: 538.703+/-0.156 χ²/NDF:1858892.9/15
Out: 576.417+/-0.155 χ²/NDF:896076.1/18
All: 557.599+/-0.110 χ²/NDF: 2784410.6/34



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -3274.823+/-1950.223 χ^2/NDF:0.0/0

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

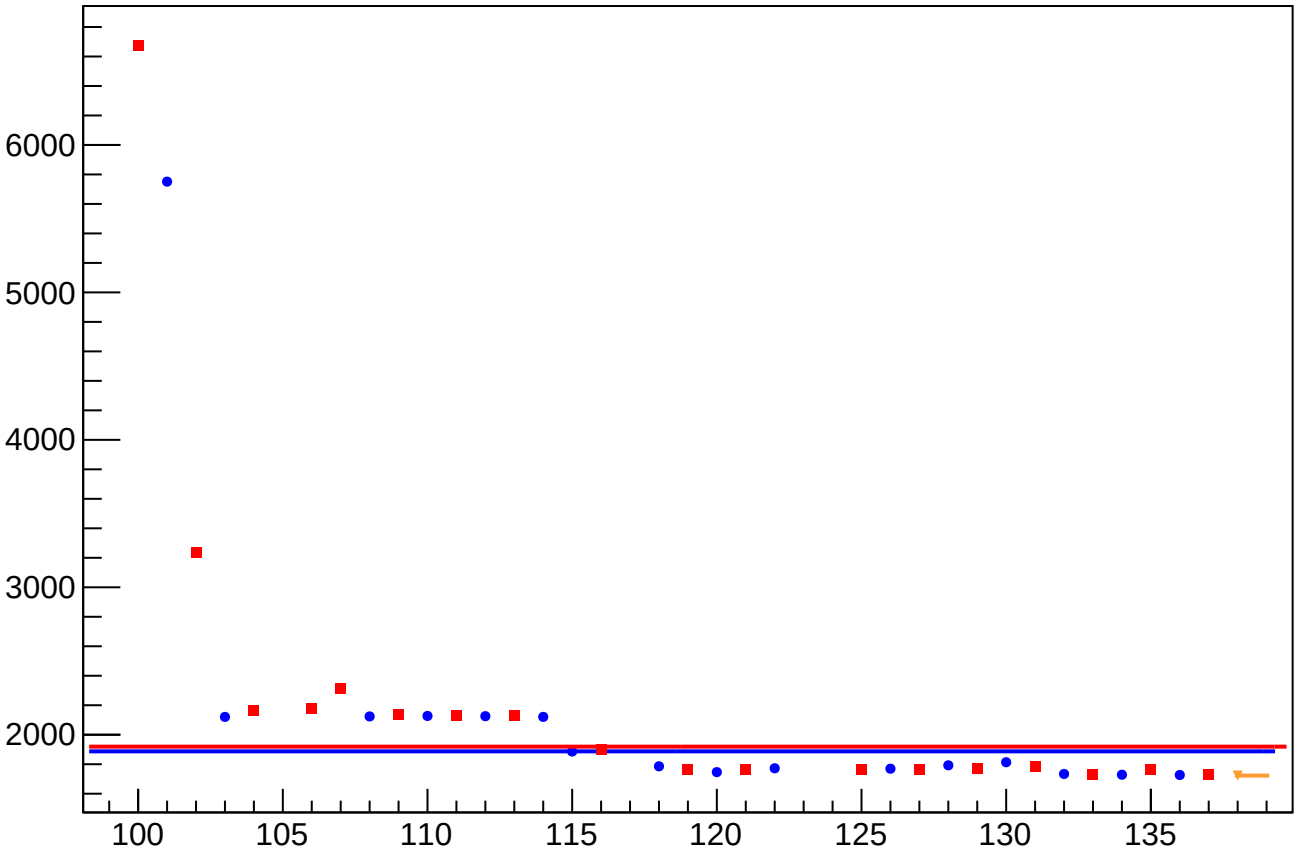
Left: -3274.823+/-1950.223 χ^2/NDF: 0.0/0

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: 226.227+/-718.556 χ^2/NDF:19.4/15

Out: -254.603+/-680.219 χ^2/NDF:19.8/18

All: -27.357+/-493.984 χ^2/NDF: 39.4/34



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1722.842+/-1.379 χ^2/NDF:0.0/0

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

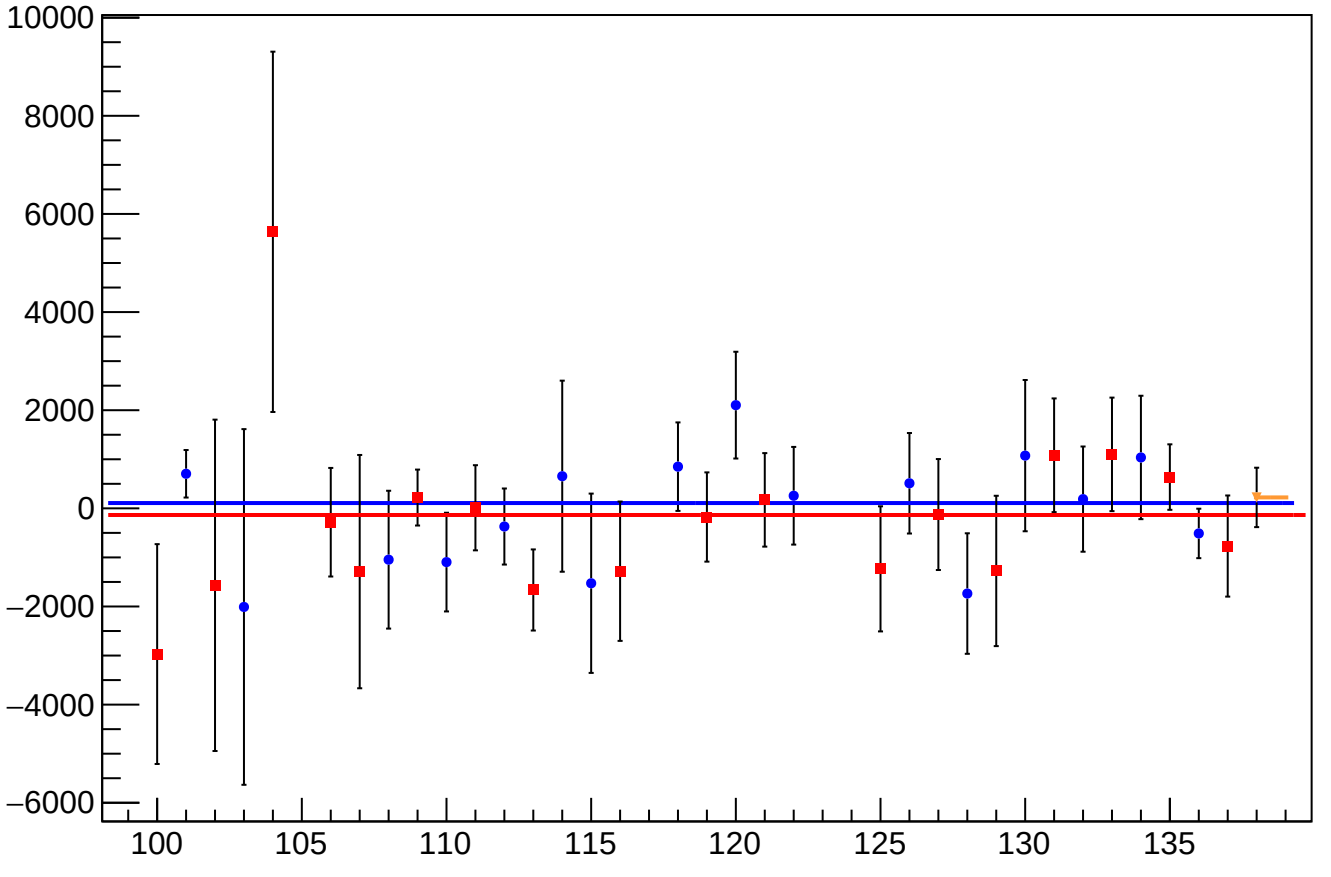
Left: 1722.842+/-1.379 χ^2/NDF: 0.0/0

Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1887.310+/-0.508 χ^2/NDF:689442.6/15

Out: 1895.281+/-0.481 χ^2/NDF:370369.0/18

All: 1891.514+/-0.349 χ^2/NDF: 1059941.4/34



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 222.748+/-605.370 χ^2/NDF:0.0/0

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

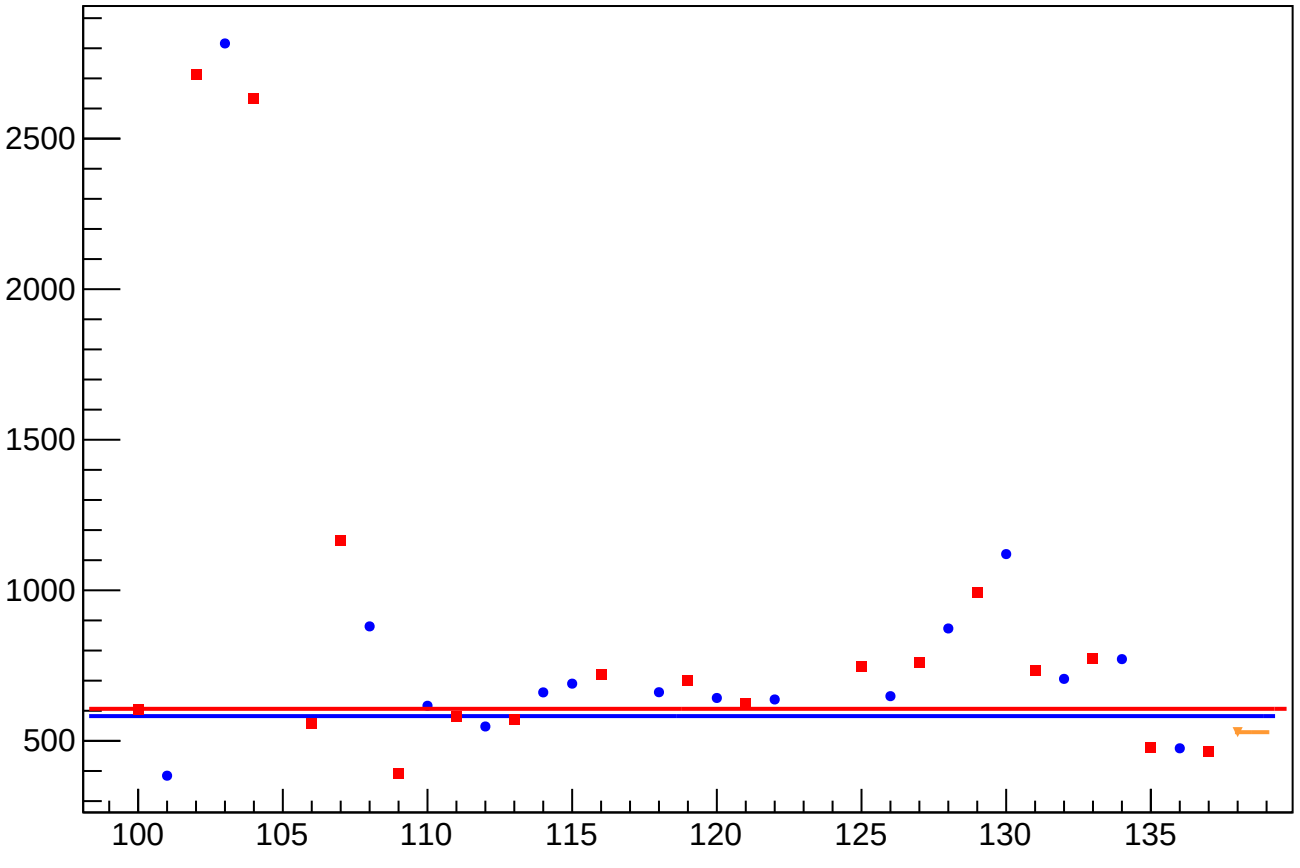
Left: 222.748+/-605.370 χ^2/NDF: 0.0/0

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 108.131+/-231.711 χ^2/NDF:14.2/15

Out: -84.628+/-227.849 χ^2/NDF:14.7/18

All: 10.132+/-162.462 χ^2/NDF: 29.2/34



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 528.900+/-0.428 χ^2/NDF:0.0/0

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

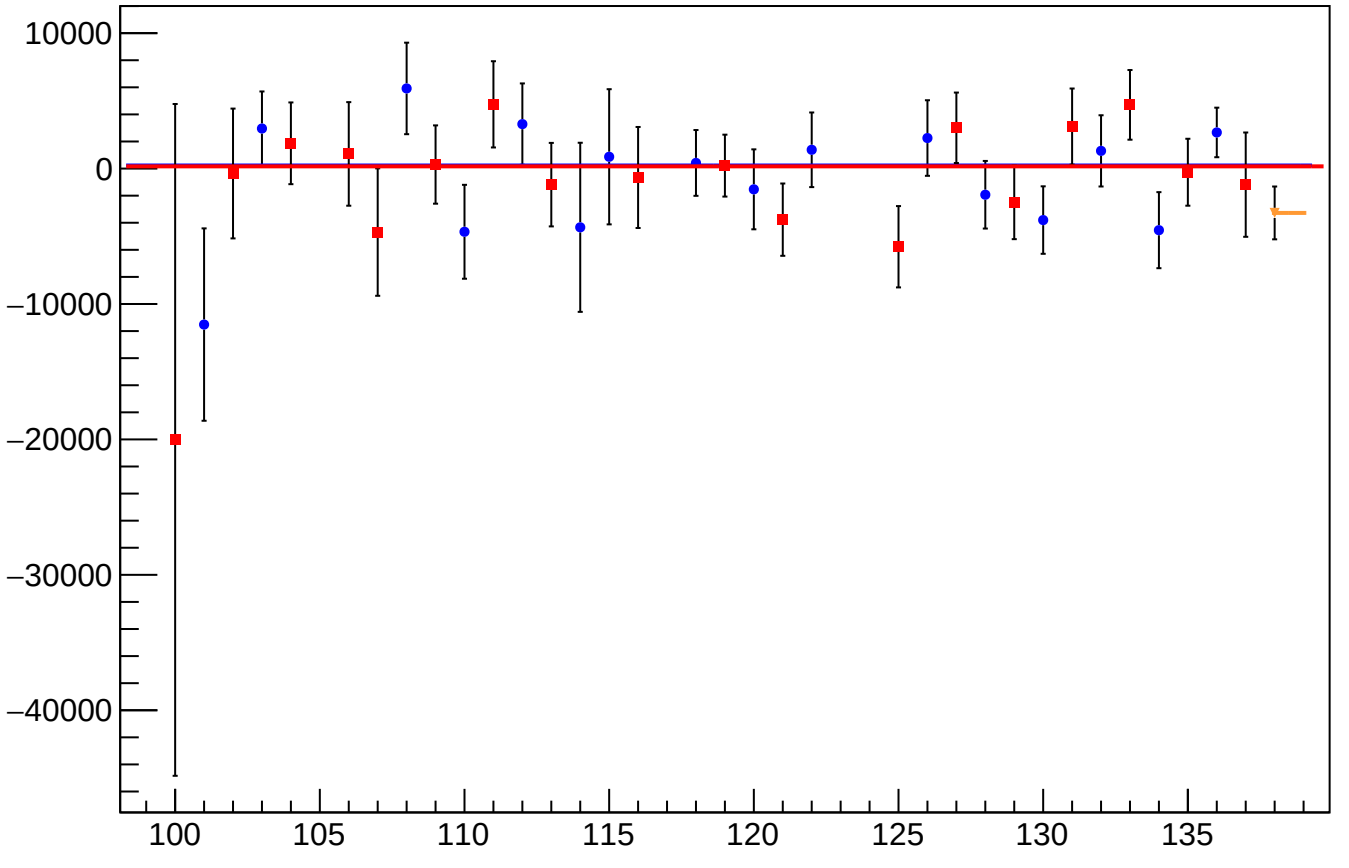
Left: 528.900+/-0.428 χ^2/NDF: 0.0/0

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 582.270+/-0.164 χ^2/NDF:1754301.3/15

Out: 595.465+/-0.161 χ^2/NDF:2226571.8/18

All: 588.978+/-0.115 χ^2/NDF: 3984170.3/34



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -3274.818+/-1950.223 χ^2/NDF:0.0/0

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

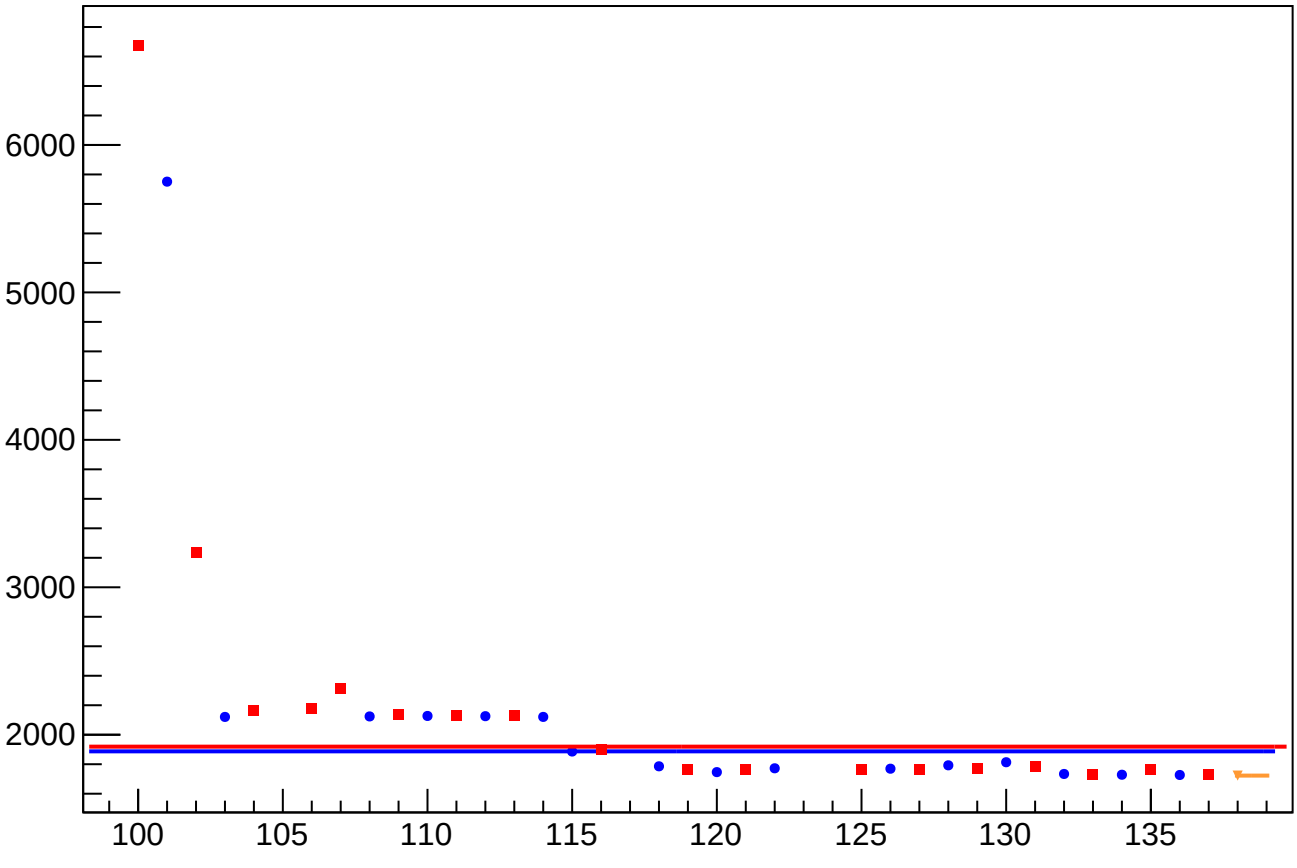
Left: -3274.818+/-1950.223 χ^2/NDF: 0.0/0

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: 226.227+/-718.556 χ^2/NDF:19.4/15

Out: -254.602+/-680.219 χ^2/NDF:19.8/18

All: -27.356+/-493.984 χ^2/NDF: 39.4/34



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1722.842+/-1.379 χ^2/NDF:0.0/0

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1722.842+/-1.379 χ^2/NDF: 0.0/0

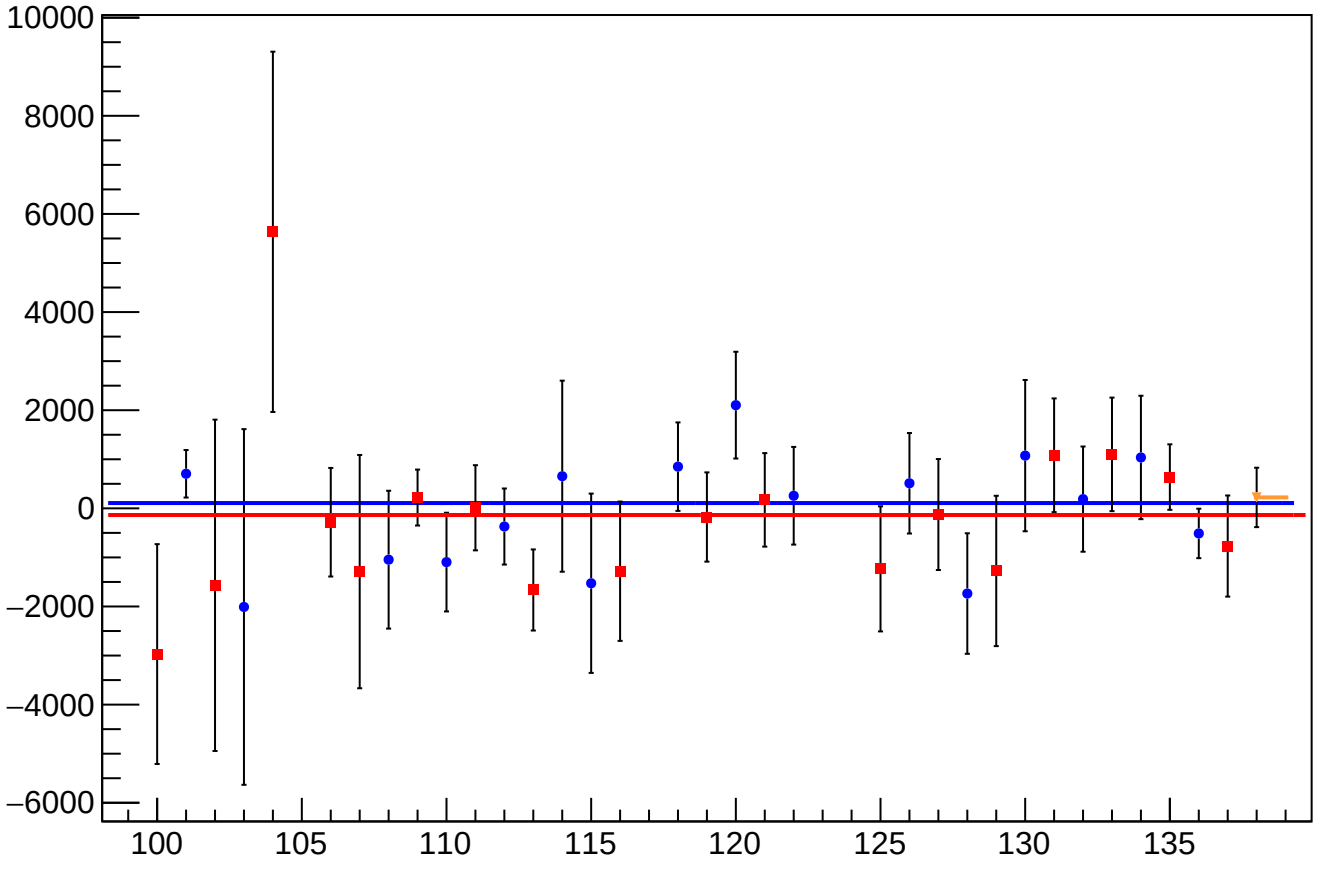
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1887.310+/-0.508 χ^2/NDF:689442.4/15

Out: 1895.280+/-0.481 χ^2/NDF:370368.2/18

All: 1891.514+/-0.349 χ^2/NDF: 1059940.4/34

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: 222.752+/-605.373 χ^2/NDF:0.0/0

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 222.752+/-605.373 χ^2/NDF: 0.0/0

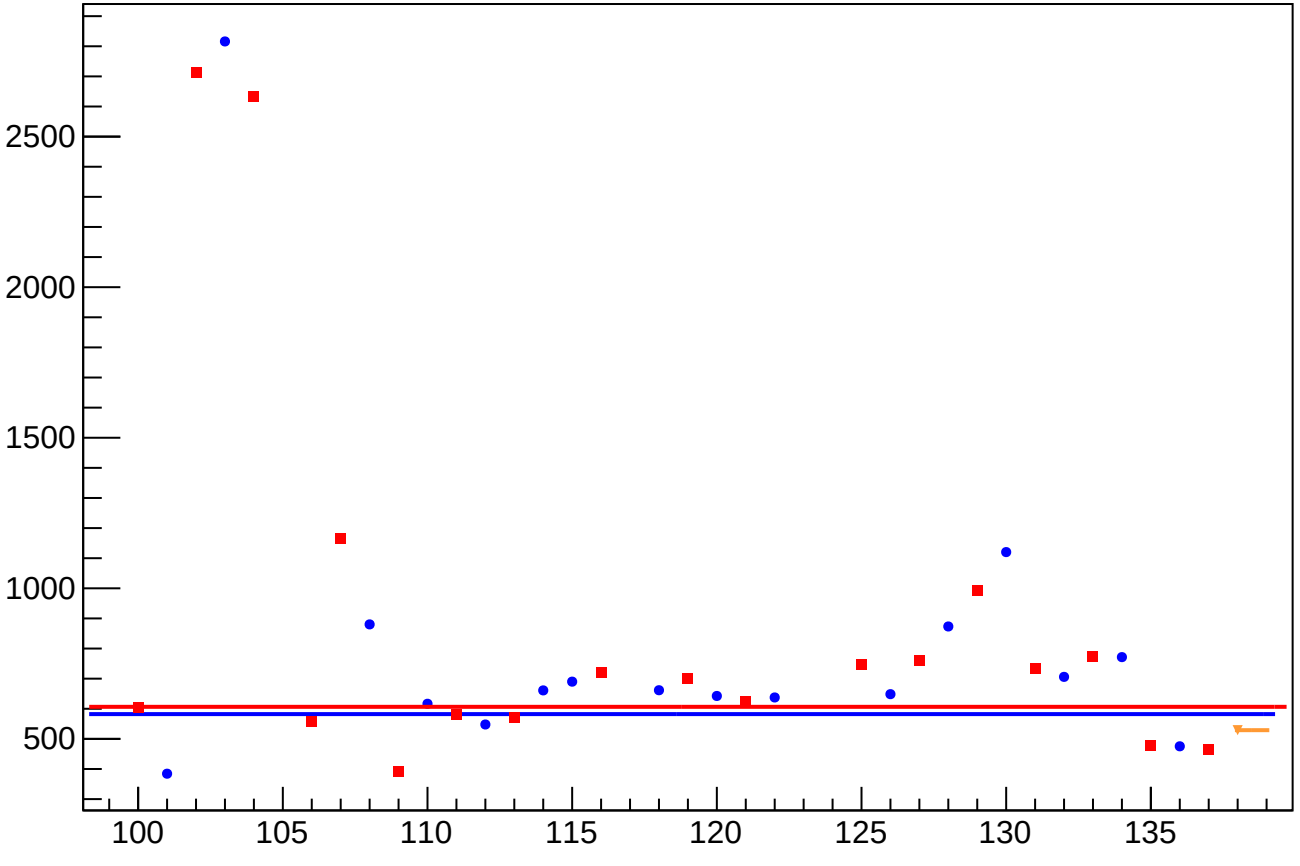
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 108.128+/-231.710 χ^2/NDF:14.2/15

Out: -84.627+/-227.848 χ^2/NDF:14.7/18

All: 10.131+/-162.461 χ^2/NDF: 29.2/34

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: 528.903+/-0.428 χ^2/NDF:0.0/0

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

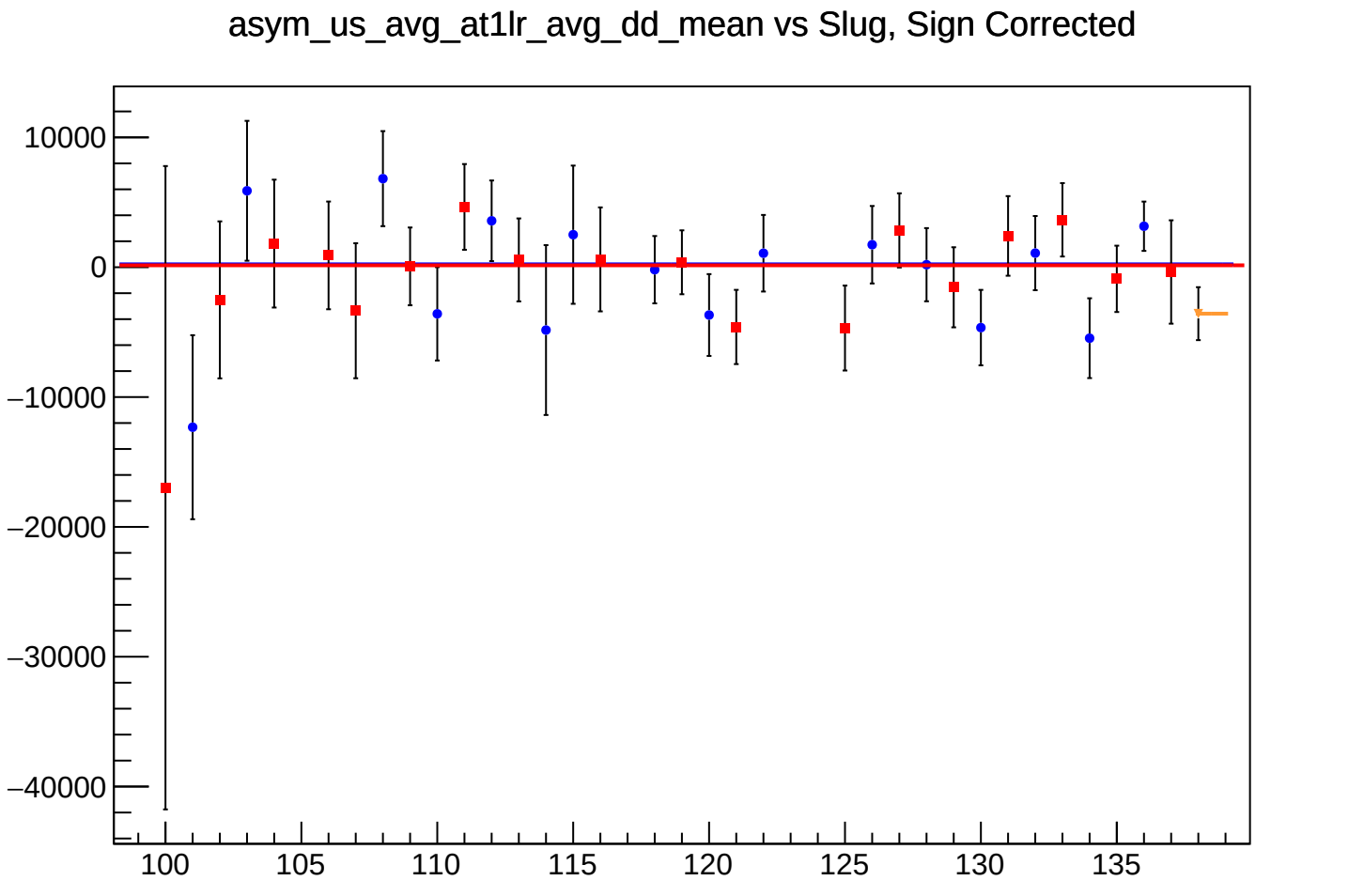
Left: 528.903+/-0.428 χ^2/NDF: 0.0/0

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 582.268+/-0.164 χ^2/NDF:1754289.3/15

Out: 595.462+/-0.161 χ^2/NDF:2226581.4/18

All: 588.976+/-0.115 χ^2/NDF: 3984167.6/34



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -3576.519+/-2038.687 χ^2/NDF:0.0/0

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

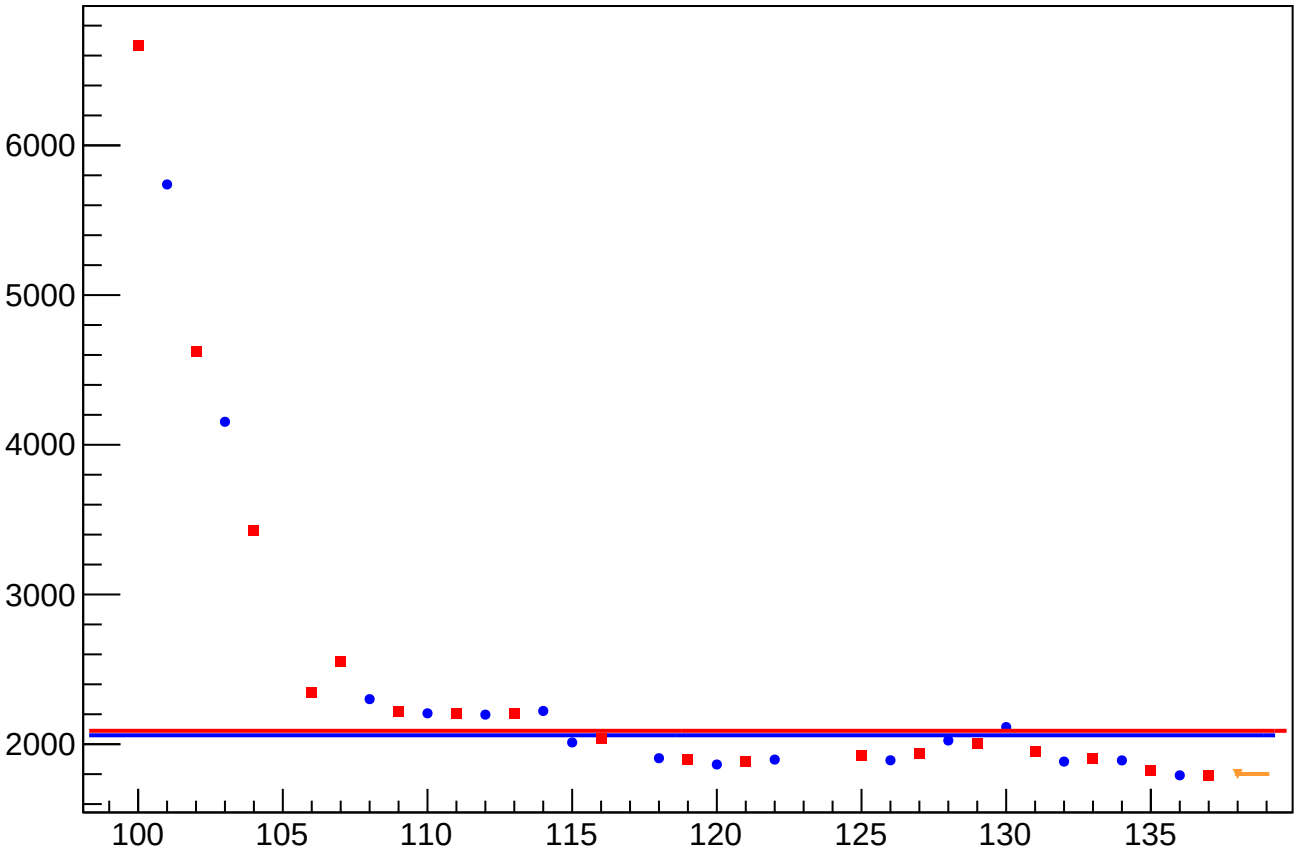
Left: -3576.519+/-2038.687 χ^2/NDF: 0.0/0

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: 224.521+/-791.678 χ^2/NDF:21.2/15

Out: -342.758+/-740.013 χ^2/NDF:14.5/18

All: -78.231+/-540.611 χ^2/NDF: 35.9/34



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1800.878+/-1.442 χ^2/NDF:0.0/0

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

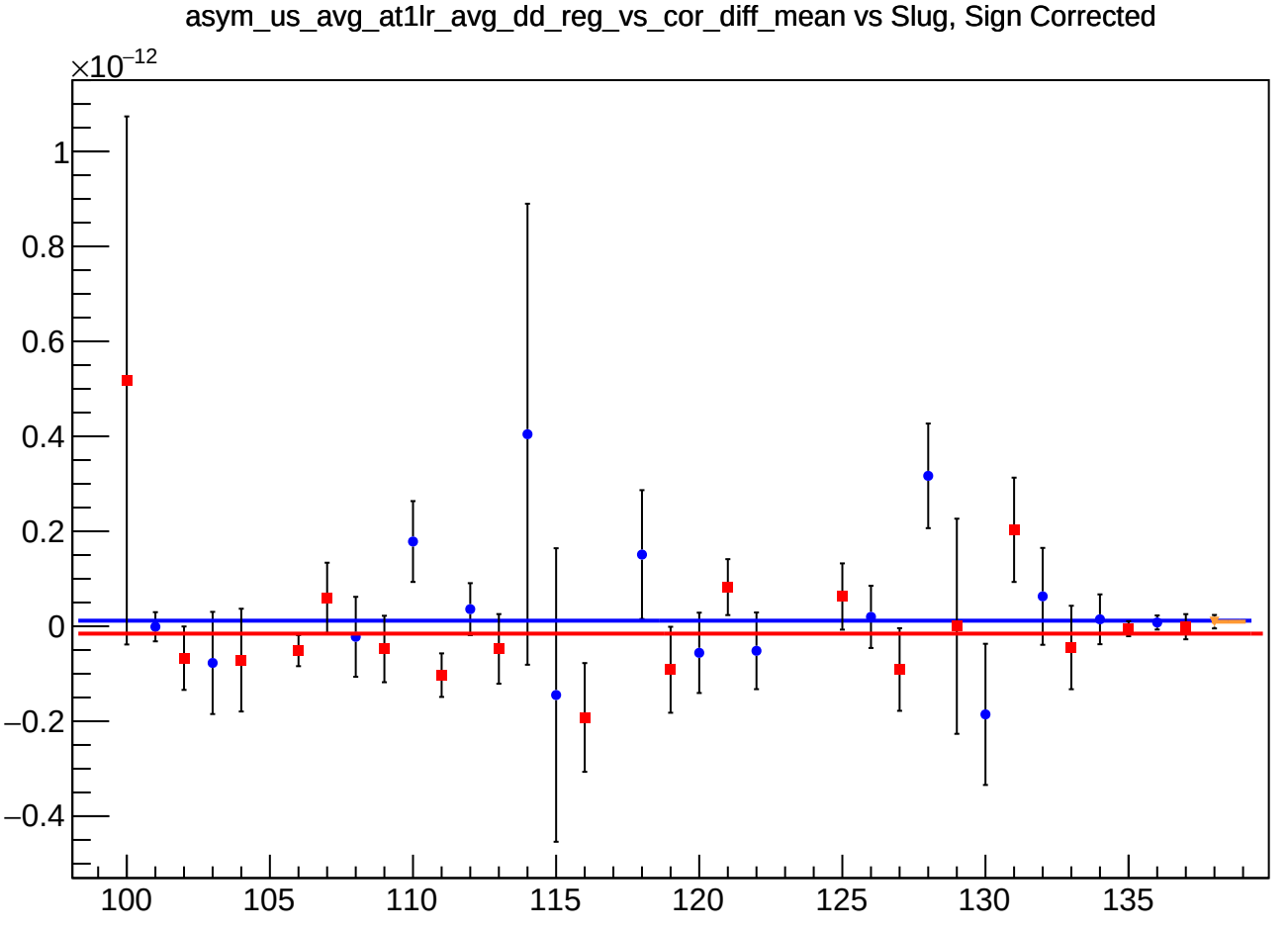
Left: 1800.878+/-1.442 χ^2/NDF: 0.0/0

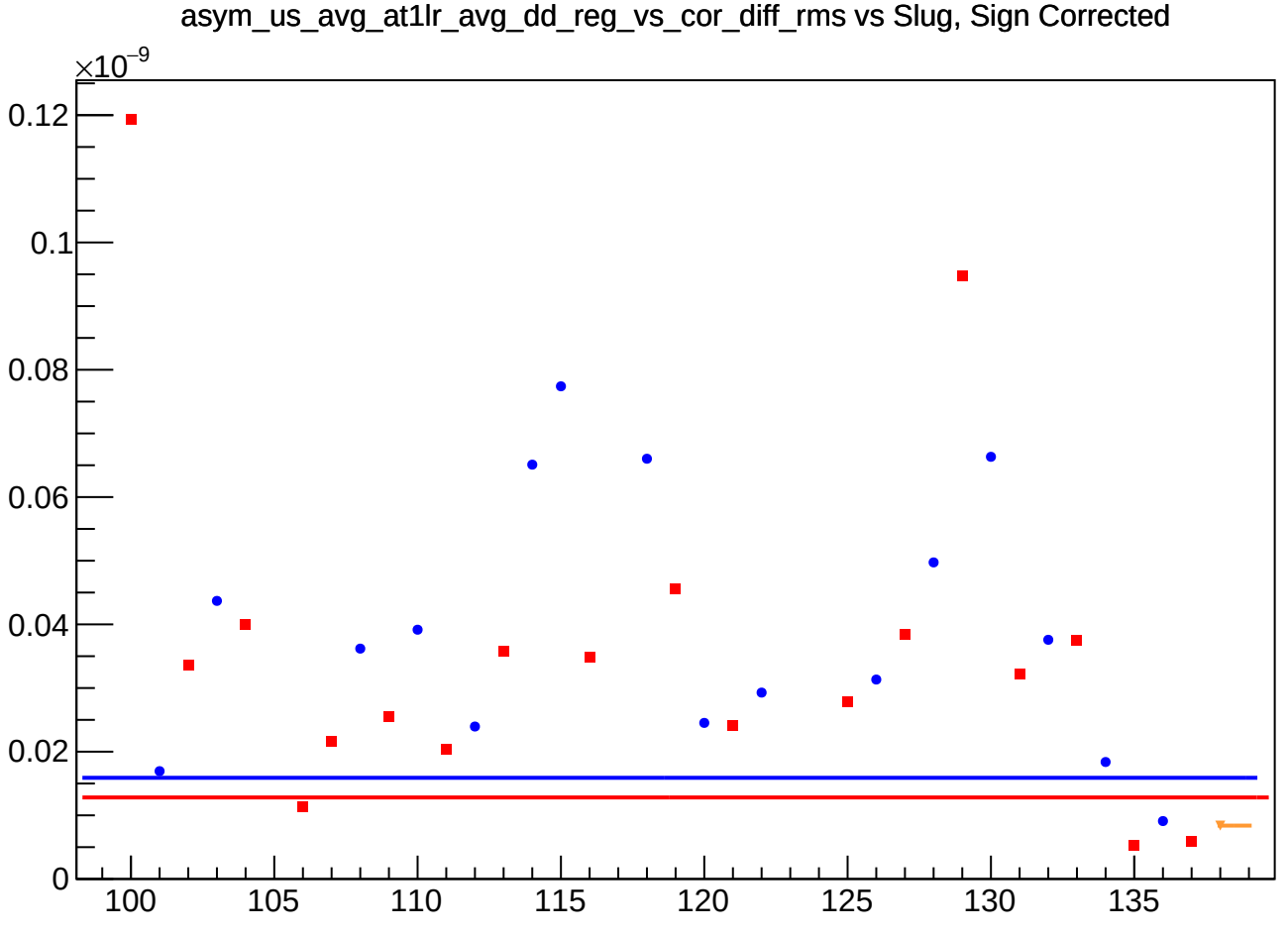
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 2059.496+/-0.560 χ^2/NDF:939873.6/15

Out: 2051.451+/-0.523 χ^2/NDF:716264.2/18

All: 2055.203+/-0.382 χ^2/NDF: 1656248.0/34


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: 0.000+/-0.000 χ²/NDF:18.0/15
Out: -0.000+/-0.000 χ²/NDF:22.7/18
All: -0.000+/-0.000 χ²/NDF: 42.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

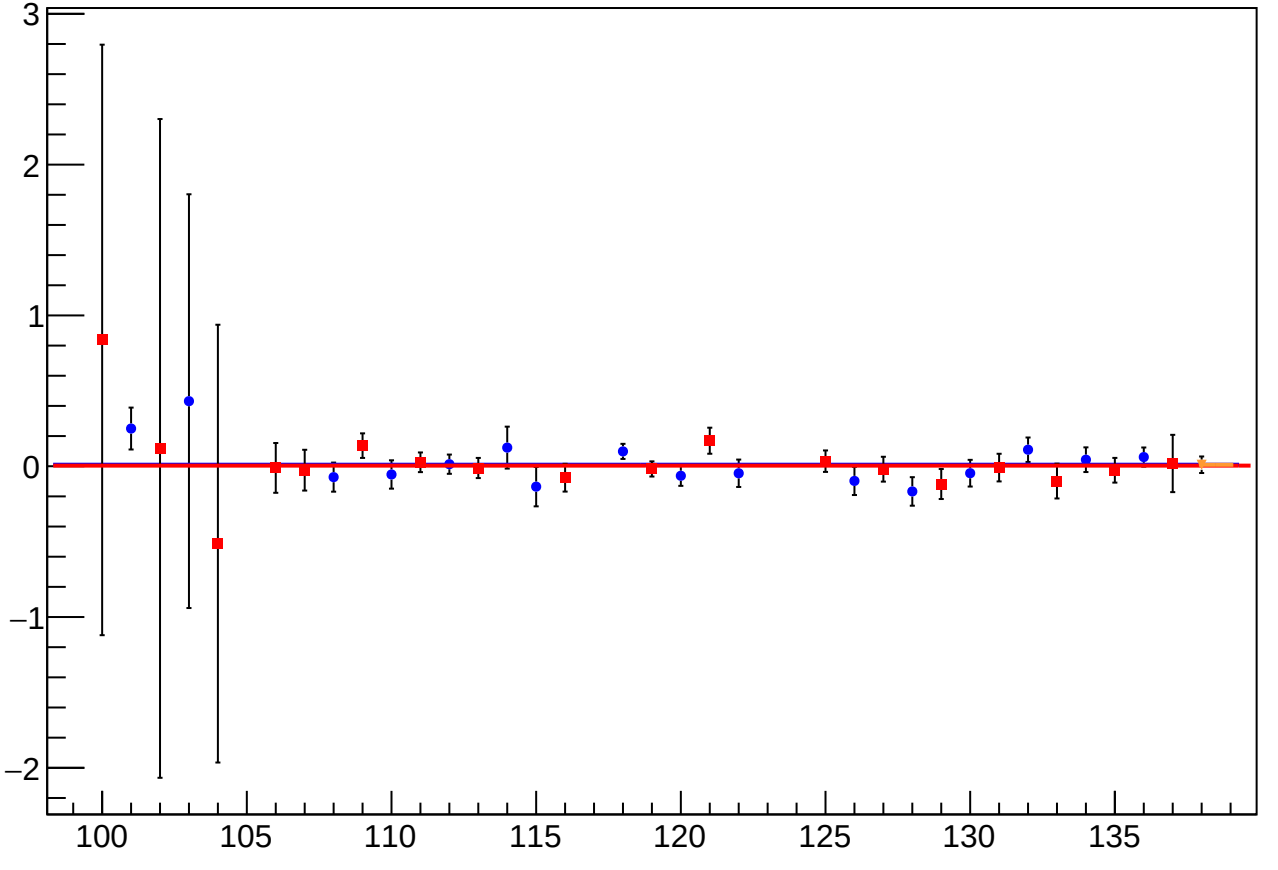
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:1935582.9/15

Out: 0.000+/-0.000 χ^2/NDF:2610145.9/18

All: 0.000+/-0.000 χ^2/NDF: 4758410.9/34

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: 0.010+/-0.055 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

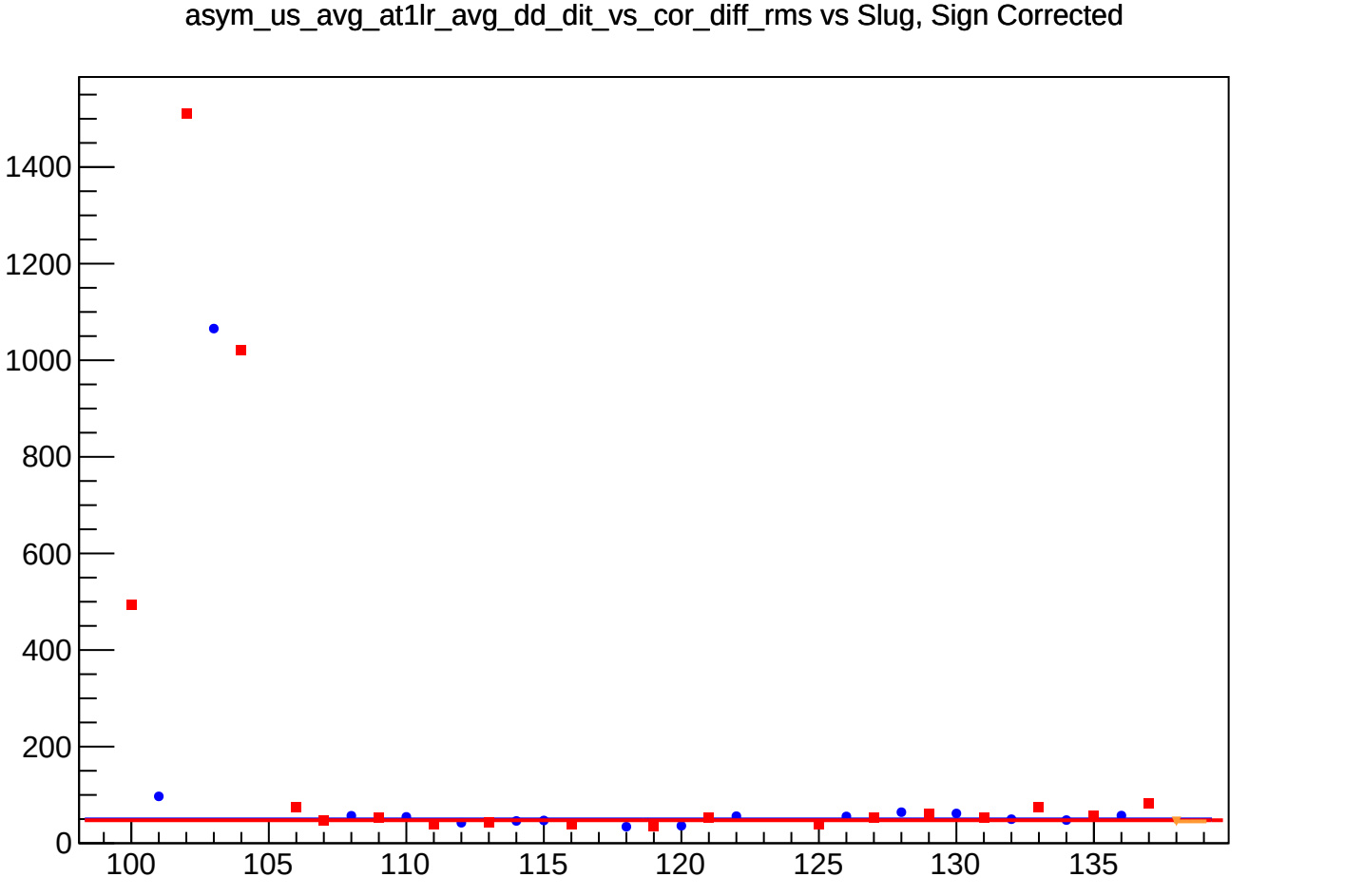
Left: 0.010+/-0.055 χ^2/NDF: 0.0/0

Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

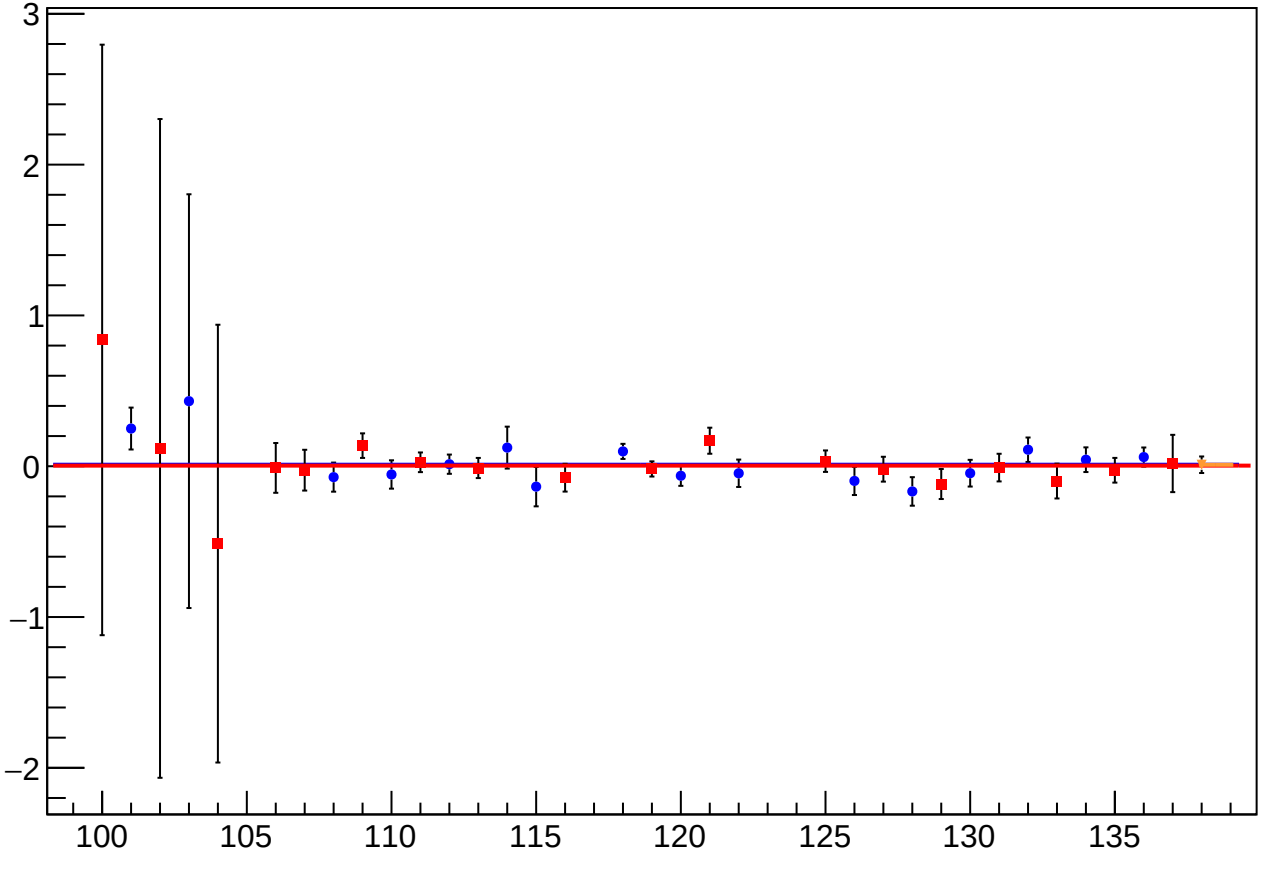
In: 0.010+/-0.021 χ^2/NDF:18.4/15

Out: 0.005+/-0.020 χ^2/NDF:10.5/18

All: 0.007+/-0.014 χ^2/NDF: 29.0/34


asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
0
100
105
110
115
120
125
130
135
Right In: 49.333+/-0.015 χ2/NDF: 1776998.3/15
Left Out: 45.282+/-0.039 χ2/NDF:0.0/0
Right Out: 47.599+/-0.015 χ2/NDF: 2418219.3/17
Left In: 0.000+/-0.000 χ2/NDF:0.0/0
Left: 45.282+/-0.039 χ2/NDF: 0.0/0
Right: 48.487+/-0.011 χ2/NDF: 4201890.6/33
In: 49.333+/-0.015 χ2/NDF:1776998.3/15
Out: 47.290+/-0.014 χ2/NDF:2421314.9/18
All: 48.264+/-0.010 χ2/NDF: 4208249.6/34

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: 0.010+/-0.055 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.055 χ^2/NDF: 0.0/0

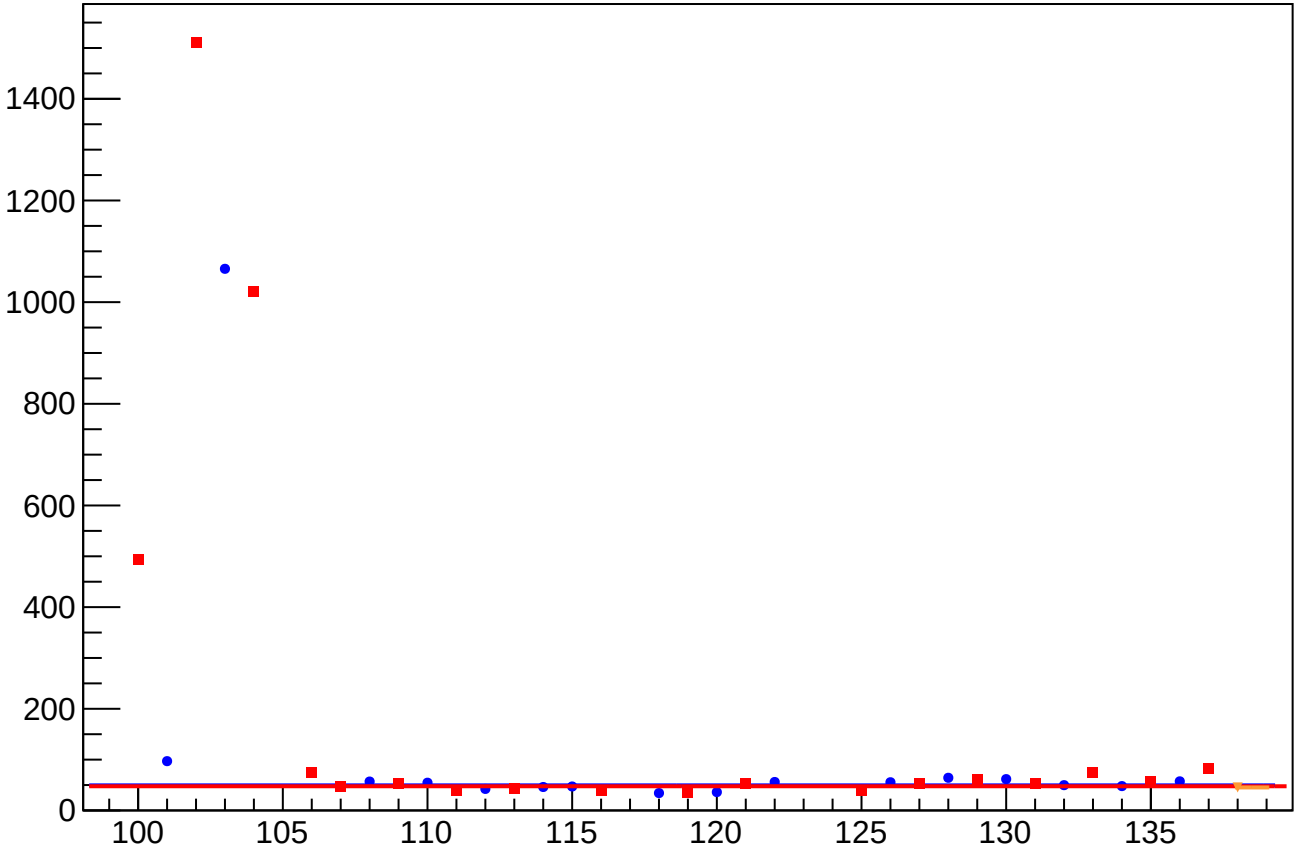
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.010+/-0.021 χ^2/NDF:18.4/15

Out: 0.005+/-0.020 χ^2/NDF:10.5/18

All: 0.007+/-0.014 χ^2/NDF: 29.0/34

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: 45.282+/-0.039 χ^2/NDF:0.0/0

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

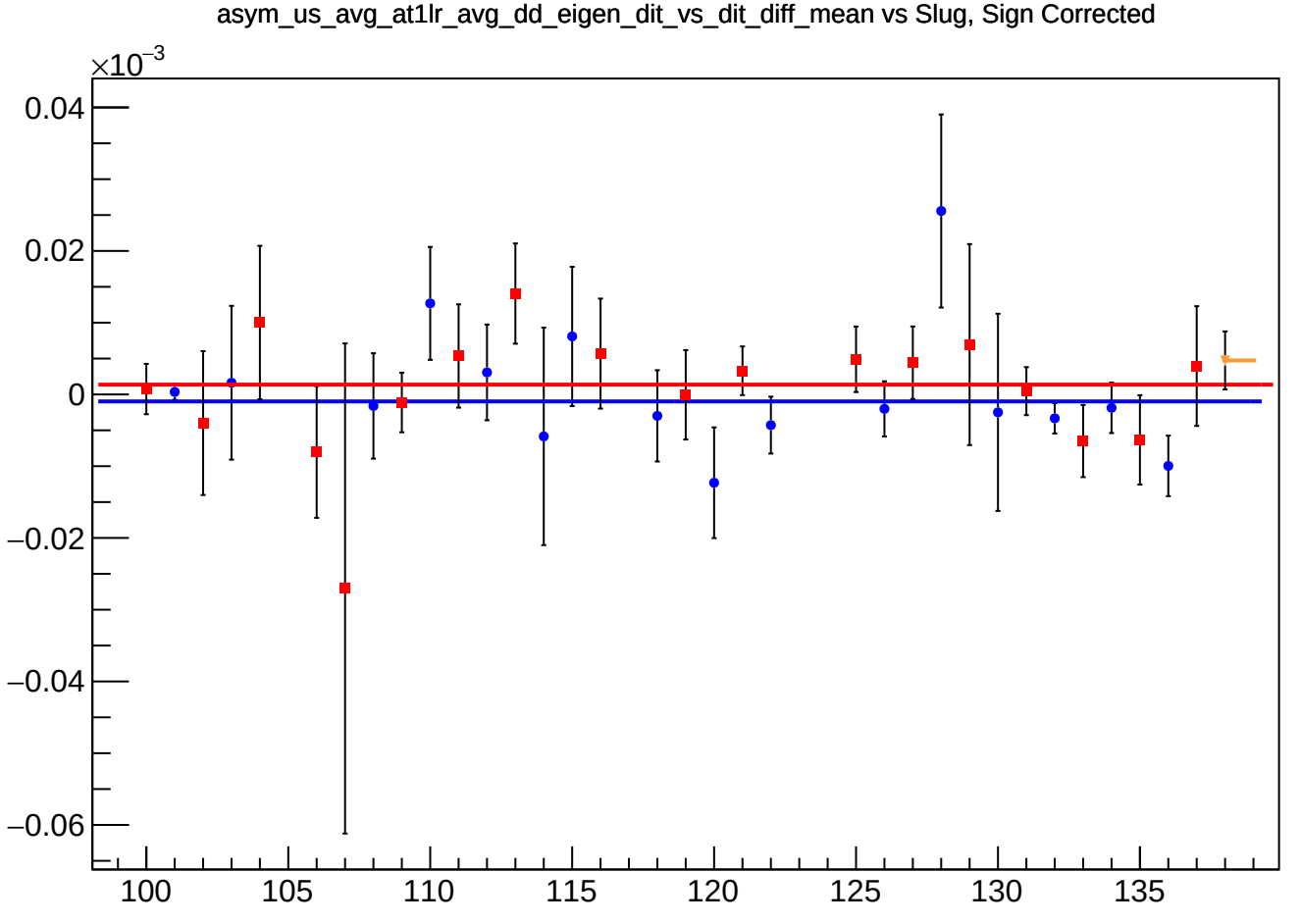
Left: 45.282+/-0.039 χ^2/NDF: 0.0/0

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 49.333+/-0.015 χ^2/NDF:1776998.3/15

Out: 47.290+/-0.014 χ^2/NDF:2421314.9/18

All: 48.264+/-0.010 χ^2/NDF: 4208249.6/34



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

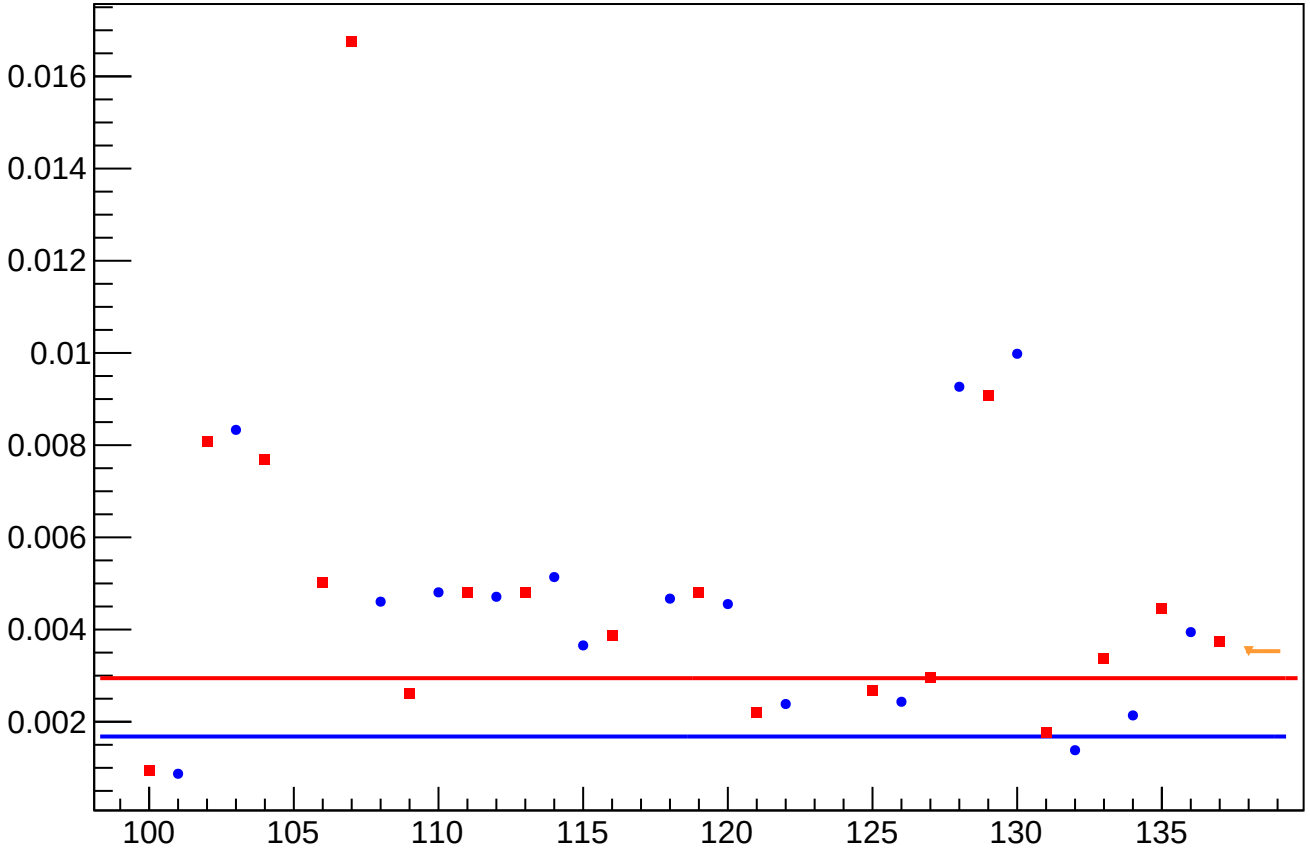
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:18.6/15

Out: 0.000+/-0.000 χ^2/NDF:13.3/18

All: -0.000+/-0.000 χ^2/NDF: 35.1/34

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: 0.004+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 0.0/0

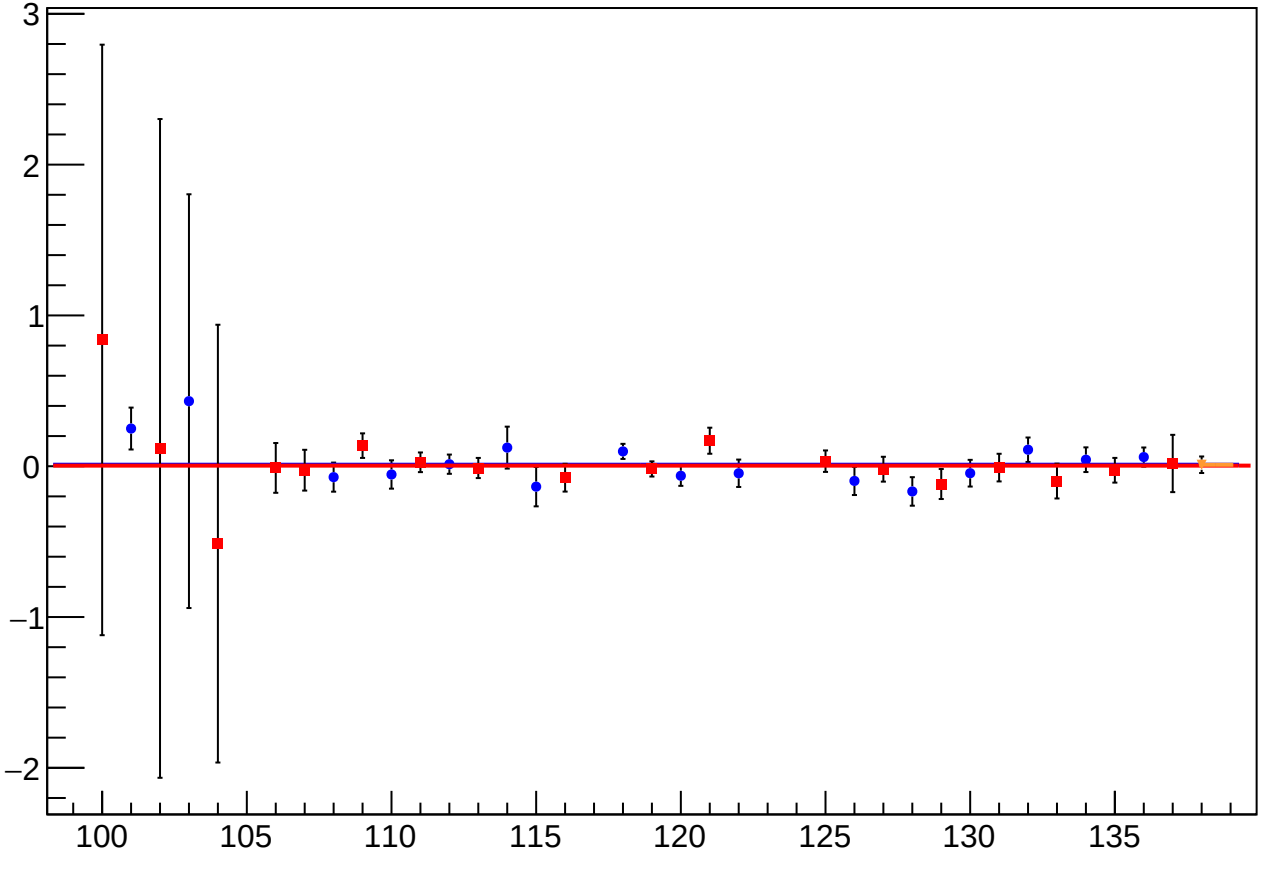
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:5960235.0/15

Out: 0.003+/-0.000 χ^2/NDF:3417999.9/18

All: 0.002+/-0.000 χ^2/NDF: 10963035.9/34

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: 0.010+/-0.055 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.055 χ^2/NDF: 0.0/0

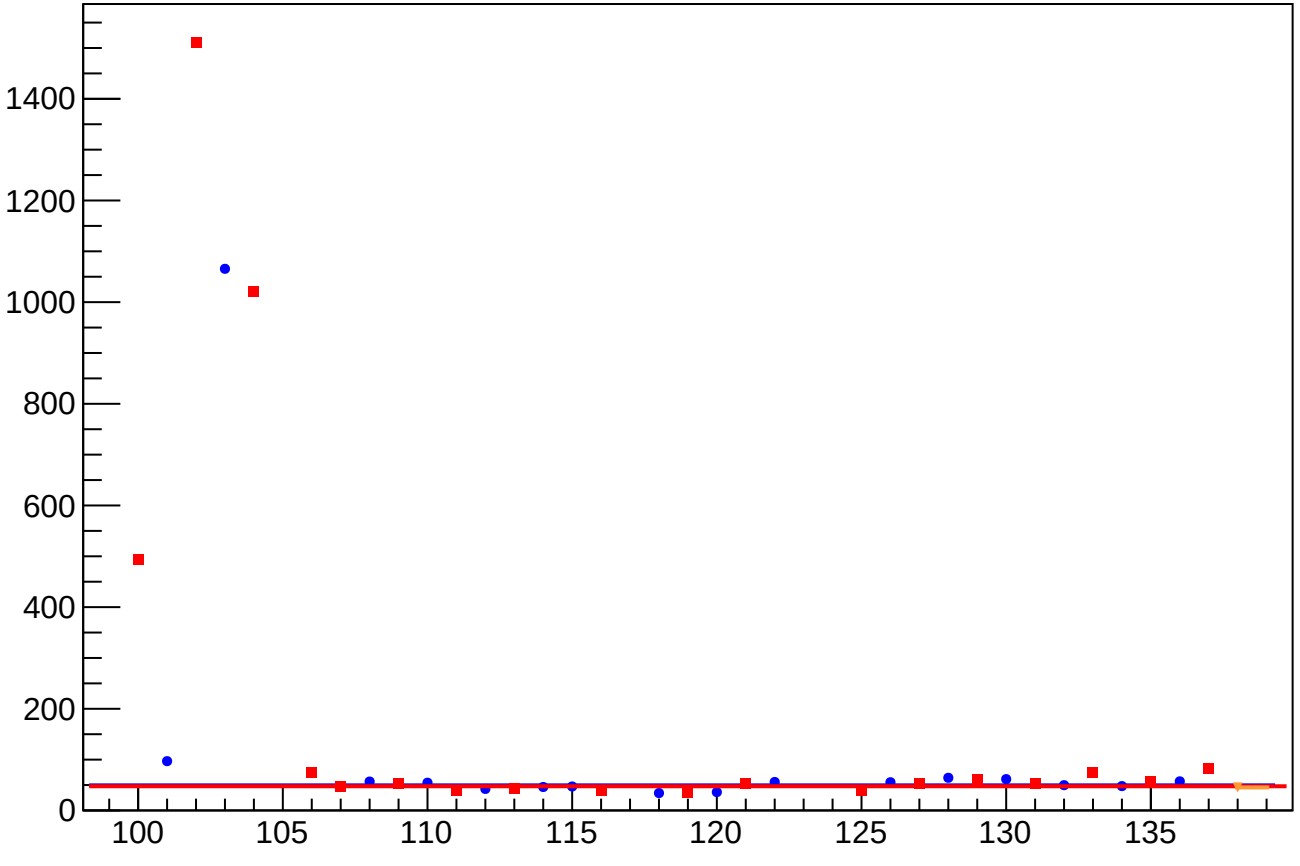
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.010+/-0.021 χ^2/NDF:18.4/15

Out: 0.005+/-0.020 χ^2/NDF:10.5/18

All: 0.007+/-0.014 χ^2/NDF: 29.0/34

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: 45.283+/-0.039 χ^2/NDF:0.0/0

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 45.283+/-0.039 χ^2/NDF: 0.0/0

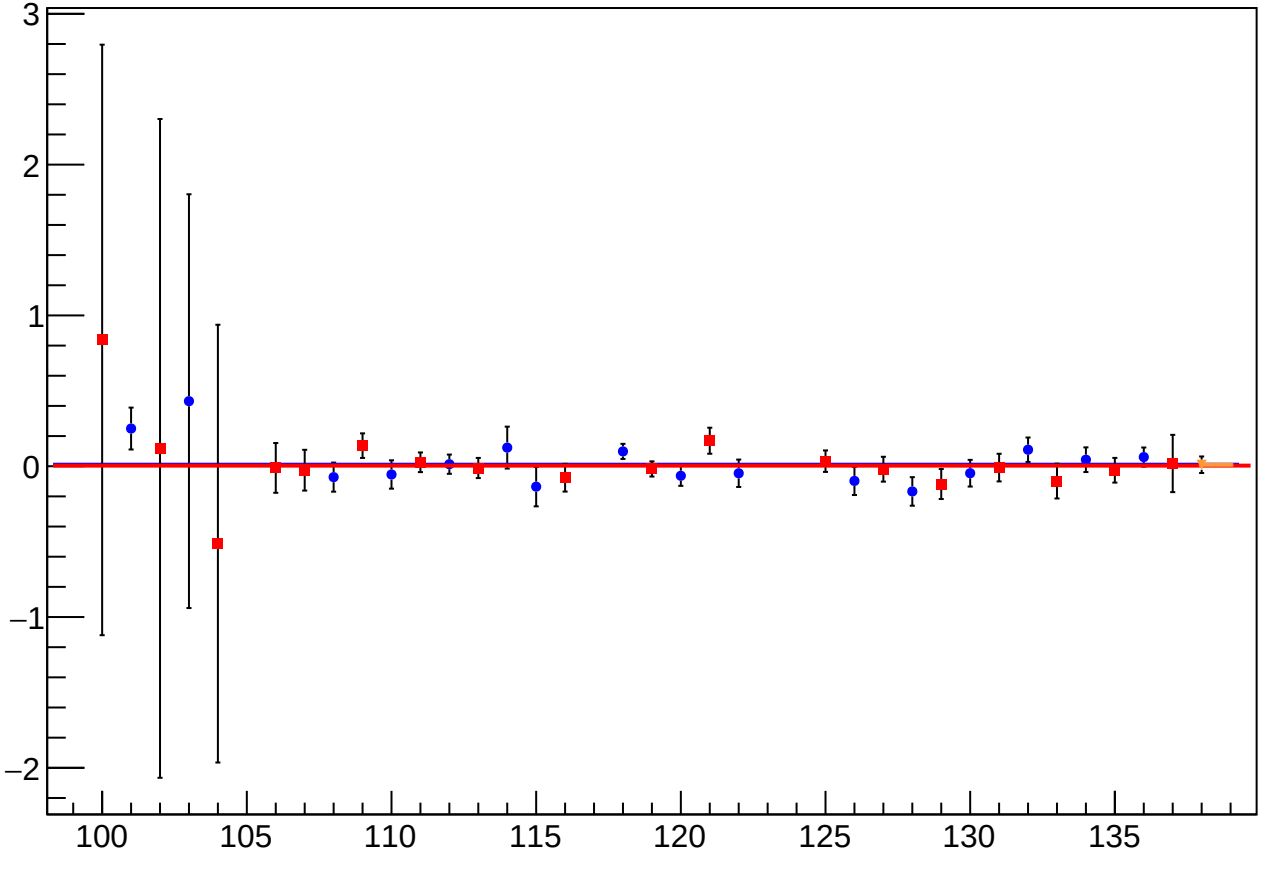
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 49.333+/-0.015 χ^2/NDF:1776926.6/15

Out: 47.290+/-0.014 χ^2/NDF:2421343.9/18

All: 48.264+/-0.010 χ^2/NDF: 4208216.1/34

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: 0.010+/-0.055 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.055 χ^2/NDF: 0.0/0

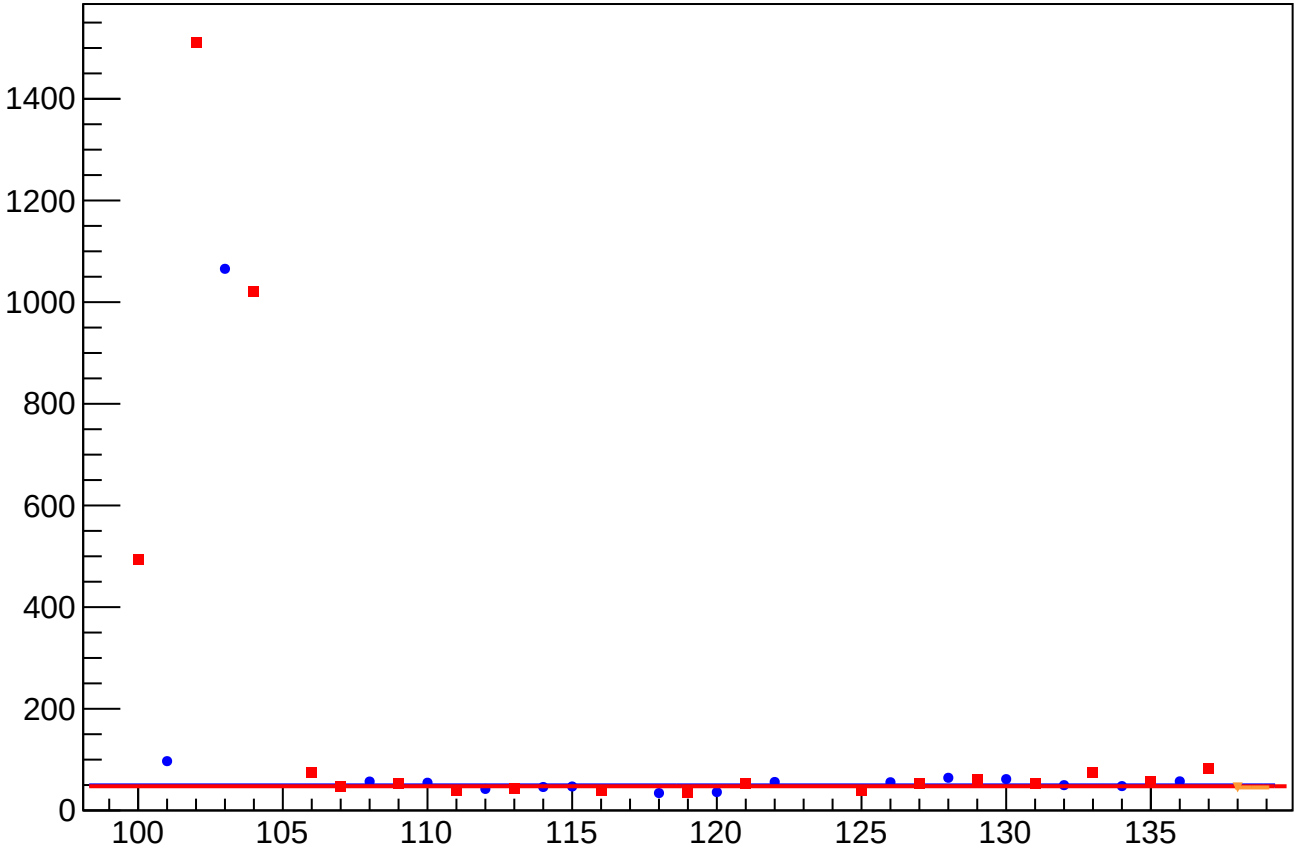
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.010+/-0.021 χ^2/NDF:18.4/15

Out: 0.005+/-0.020 χ^2/NDF:10.5/18

All: 0.007+/-0.014 χ^2/NDF: 29.0/34

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: 45.283+/-0.039 χ^2/NDF:0.0/0

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

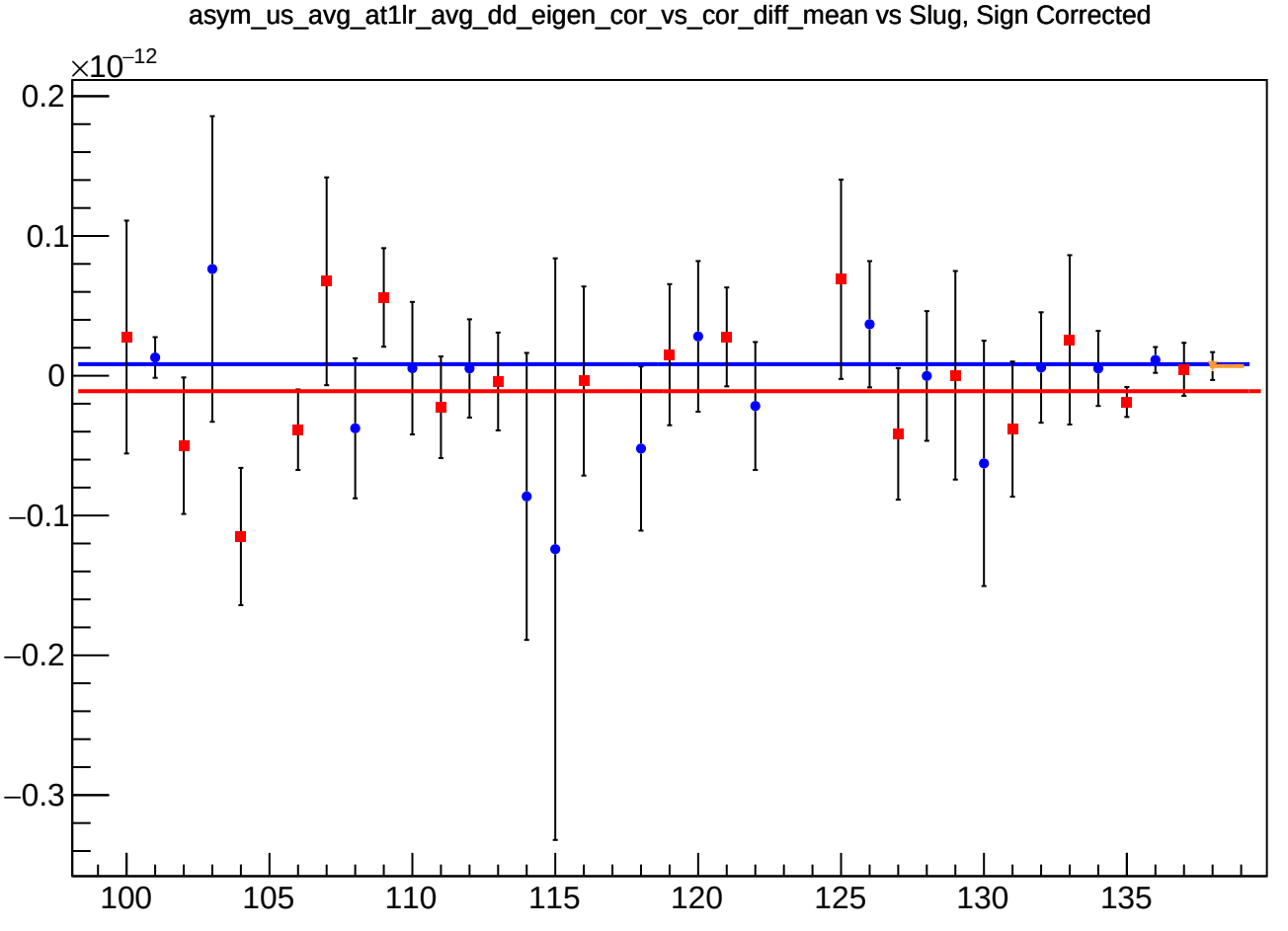
Left: 45.283+/-0.039 χ^2/NDF: 0.0/0

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 49.333+/-0.015 χ^2/NDF:1776926.6/15

Out: 47.290+/-0.014 χ^2/NDF:2421343.9/18

All: 48.264+/-0.010 χ^2/NDF: 4208216.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

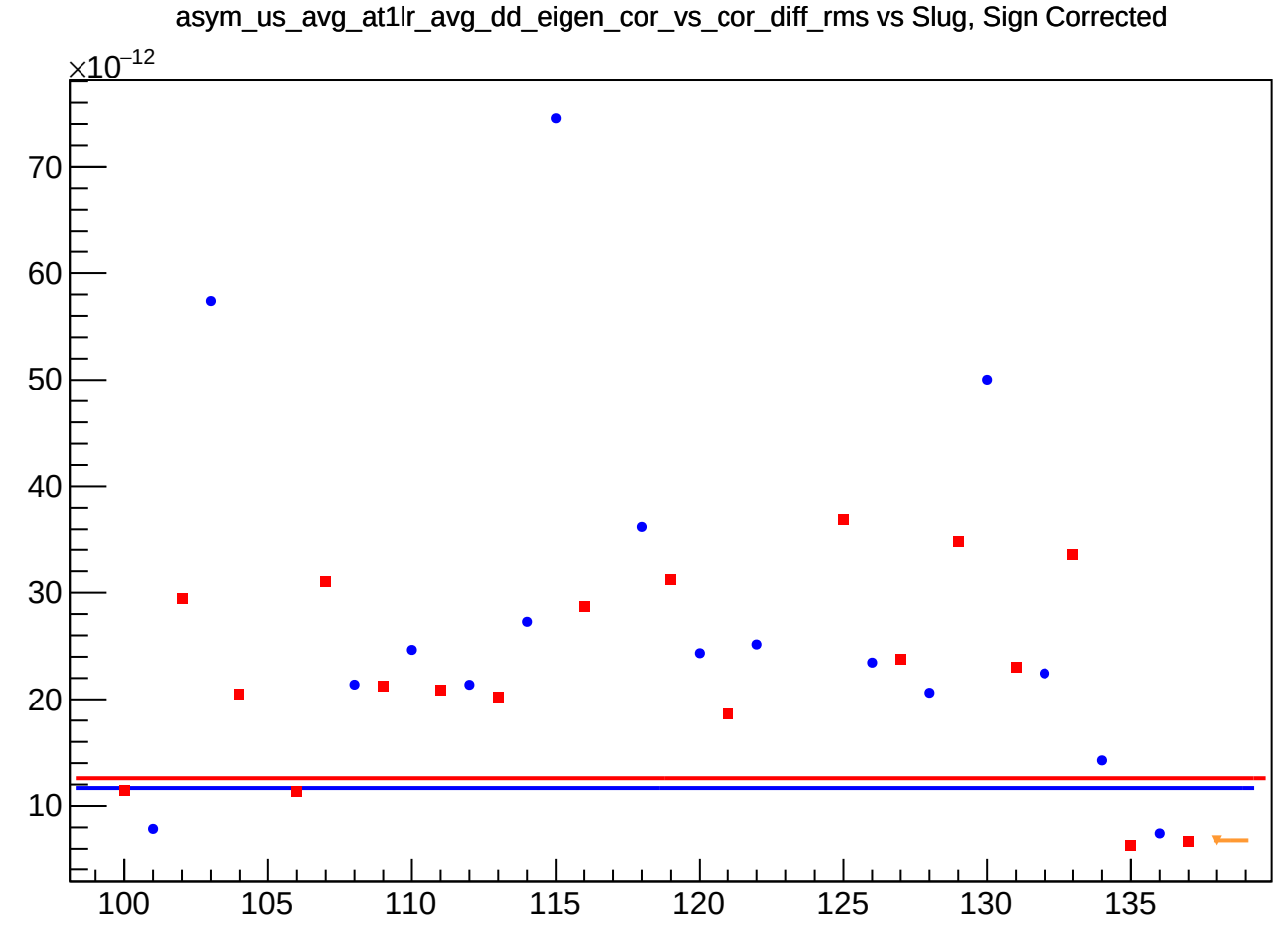
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: 0.000+/-0.000 χ^2/NDF:5.4/15

Out: -0.000+/-0.000 χ^2/NDF:18.3/18

All: 0.000+/-0.000 χ^2/NDF: 26.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

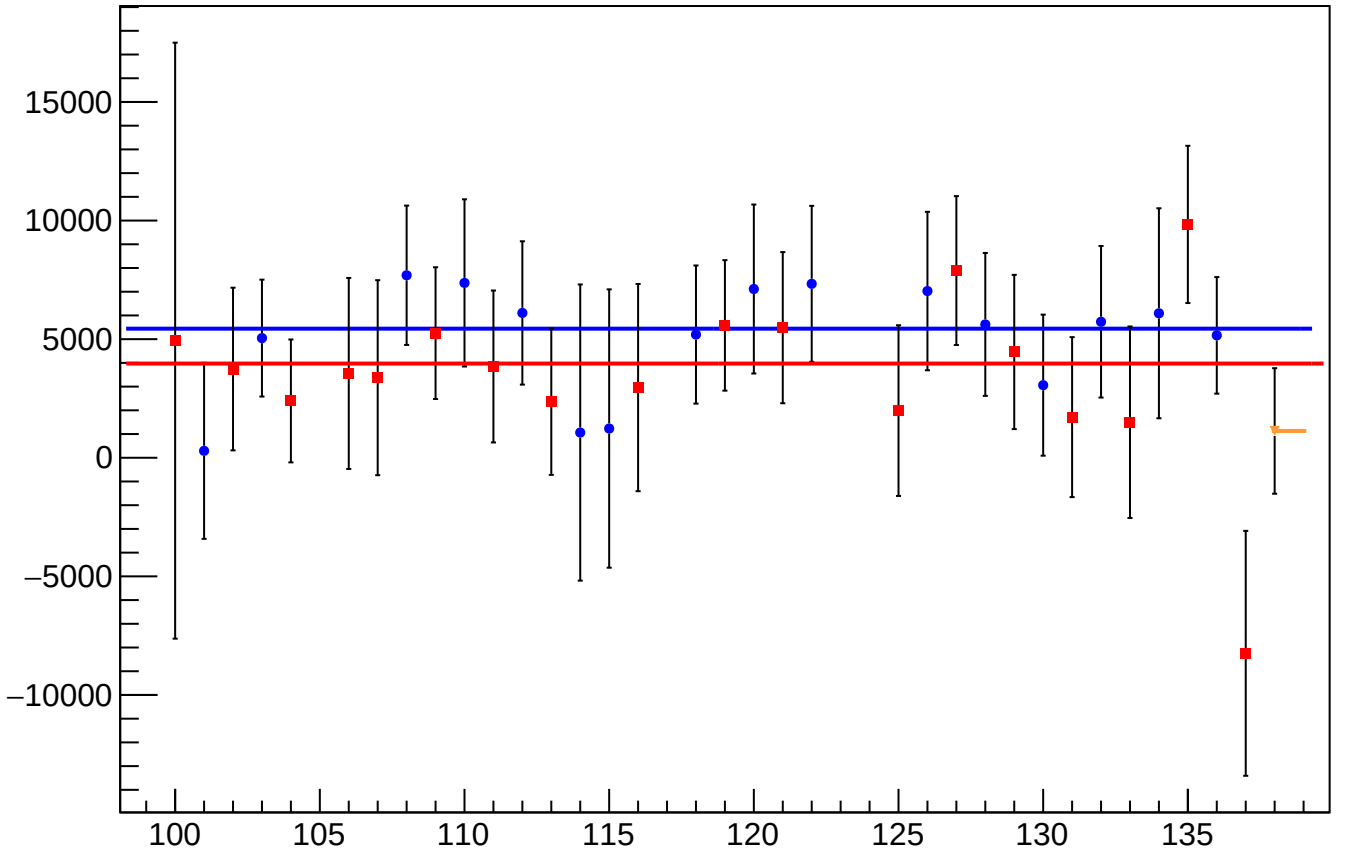
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:2905247.5/15

Out: 0.000+/-0.000 χ^2/NDF:3367697.1/18

All: 0.000+/-0.000 χ^2/NDF: 6302606.8/34



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1130.265+/-2645.899 χ^2/NDF:0.0/0

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

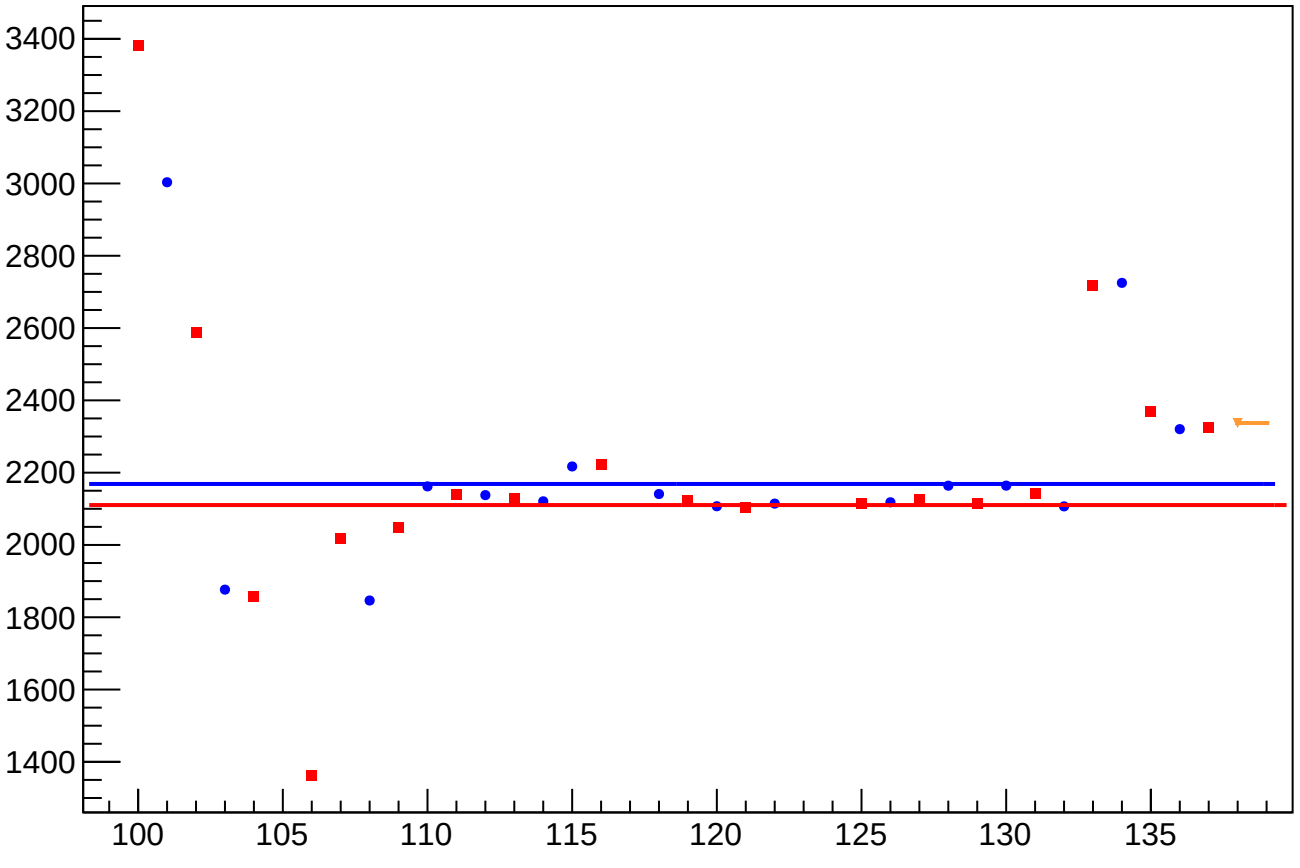
Left: 1130.265+/-2645.899 χ^2/NDF: 0.0/0

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5442.336+/-812.534 χ^2/NDF:5.4/15

Out: 3728.787+/-773.665 χ^2/NDF:14.0/18

All: 4543.598+/-560.301 χ^2/NDF: 21.7/34



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2337.315+/-1.871 χ^2/NDF:0.0/0

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

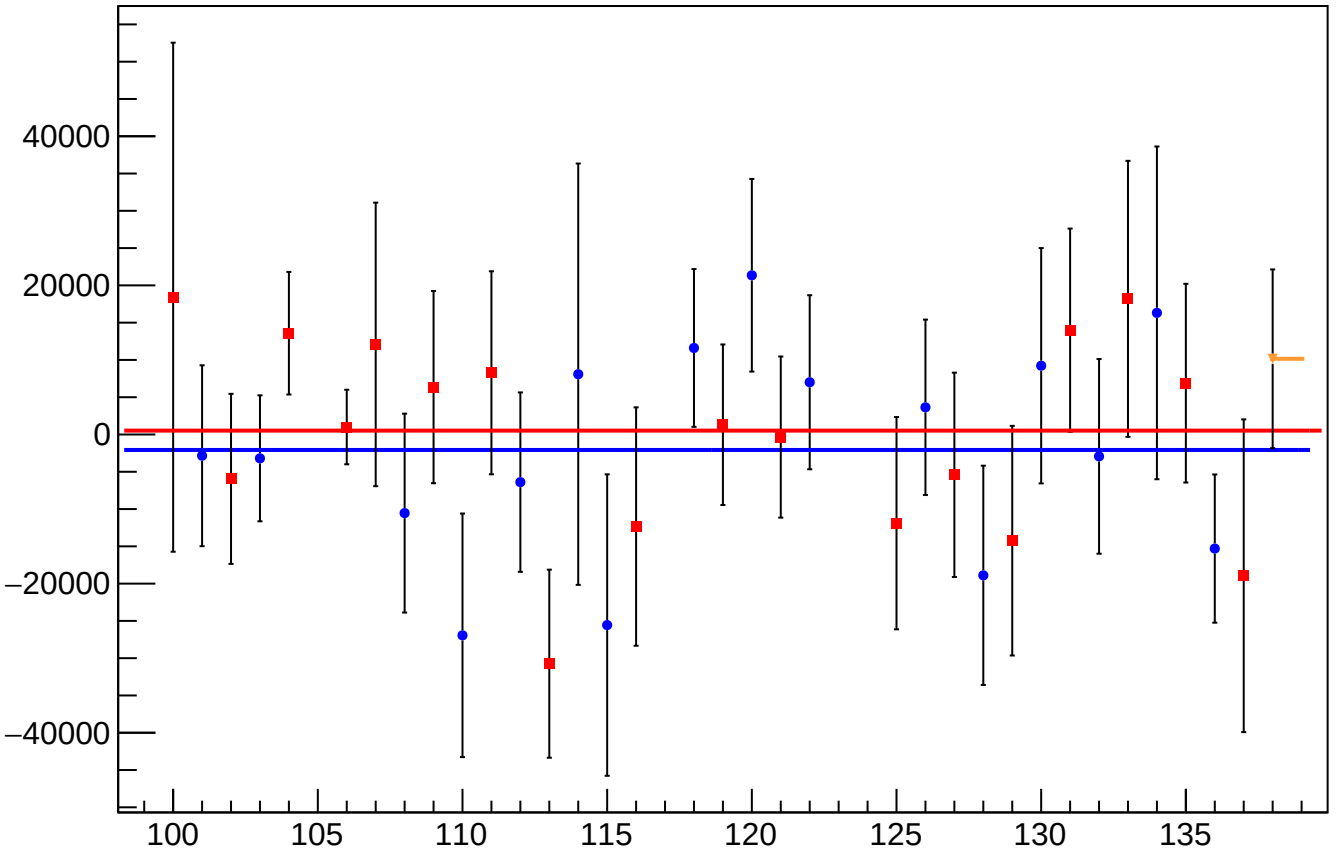
Left: 2337.315+/-1.871 χ^2/NDF: 0.0/0

Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2168.715+/-0.575 χ^2/NDF:195659.5/15

Out: 2129.208+/-0.539 χ^2/NDF:280906.1/18

All: 2147.706+/-0.393 χ^2/NDF: 479080.0/34



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 10153.848+/-11985.522 χ^2/NDF:0.0/0

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 10153.848+/-11985.522 χ^2/NDF: 0.0/0

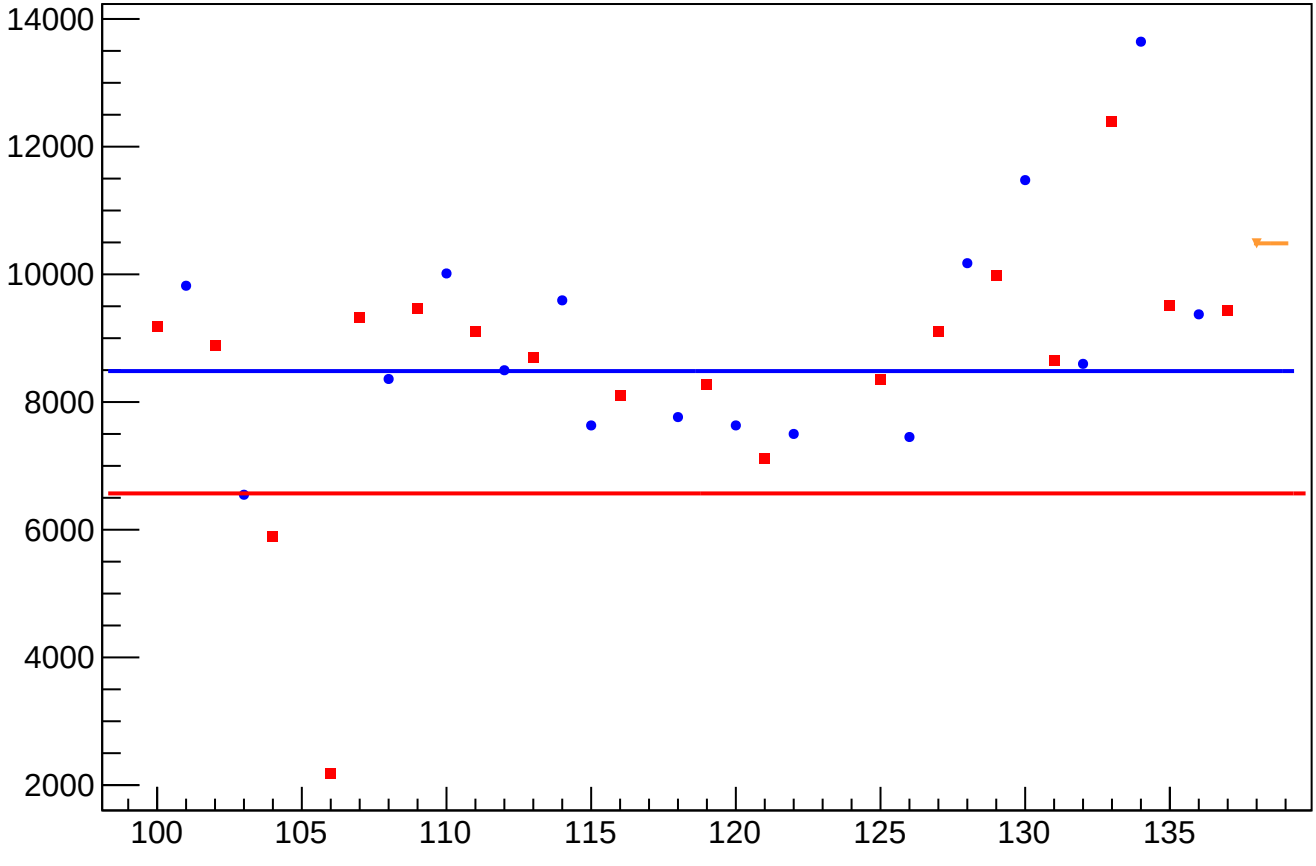
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -2074.843+/-3212.093 χ^2/NDF:14.4/15

Out: 991.788+/-2648.458 χ^2/NDF:16.3/18

All: -249.299+/-2043.424 χ^2/NDF: 31.3/34

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: 10485.510+/-8.475 χ^2/NDF:0.0/0

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 10485.510+/-8.475 χ^2/NDF: 0.0/0

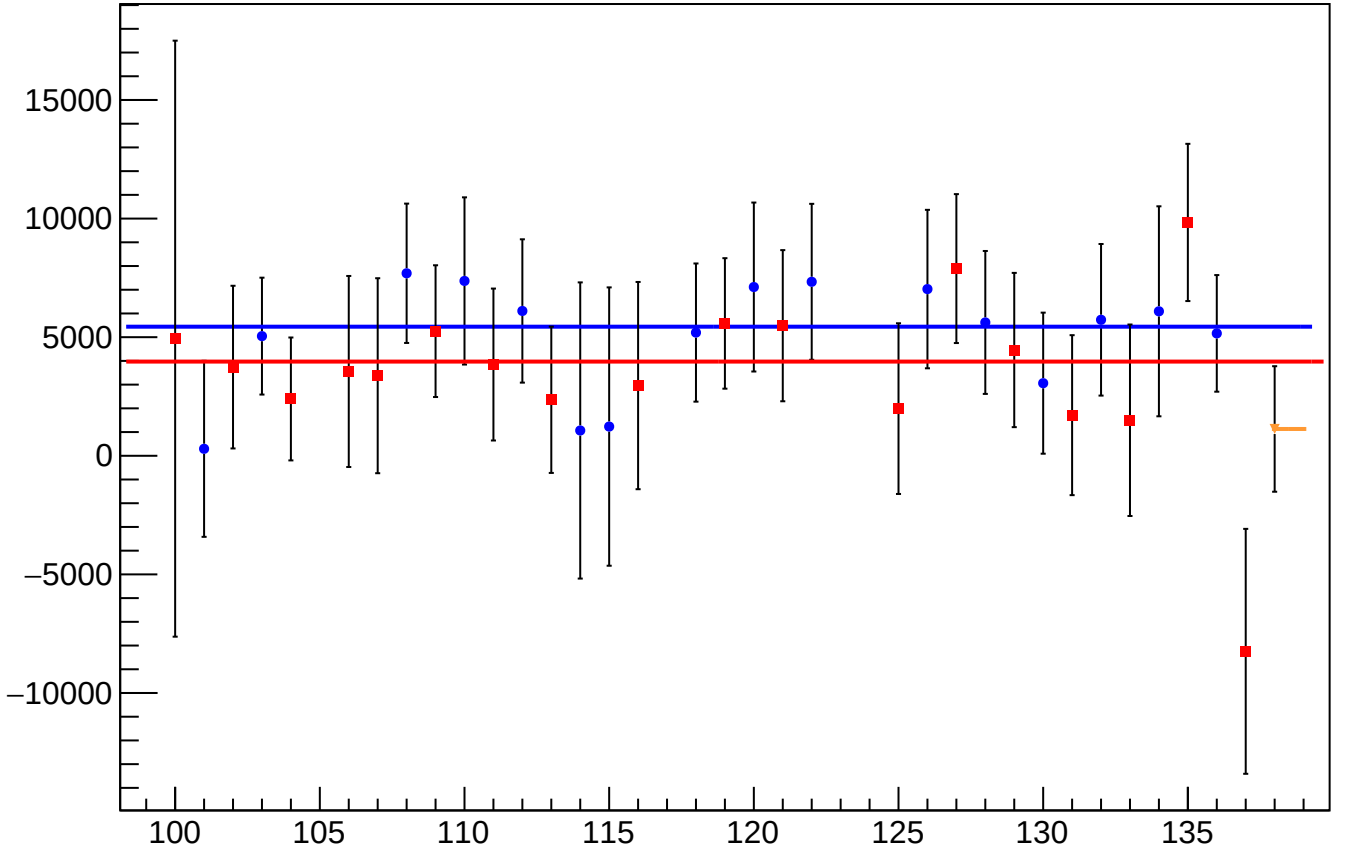
Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8485.000+/-2.271 χ^2/NDF:422706.1/15

Out: 6759.962+/-1.873 χ^2/NDF:2772046.7/18

All: 7458.097+/-1.445 χ^2/NDF: 3538138.4/34

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1130.451+/-2645.899 χ^2/NDF:0.0/0

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

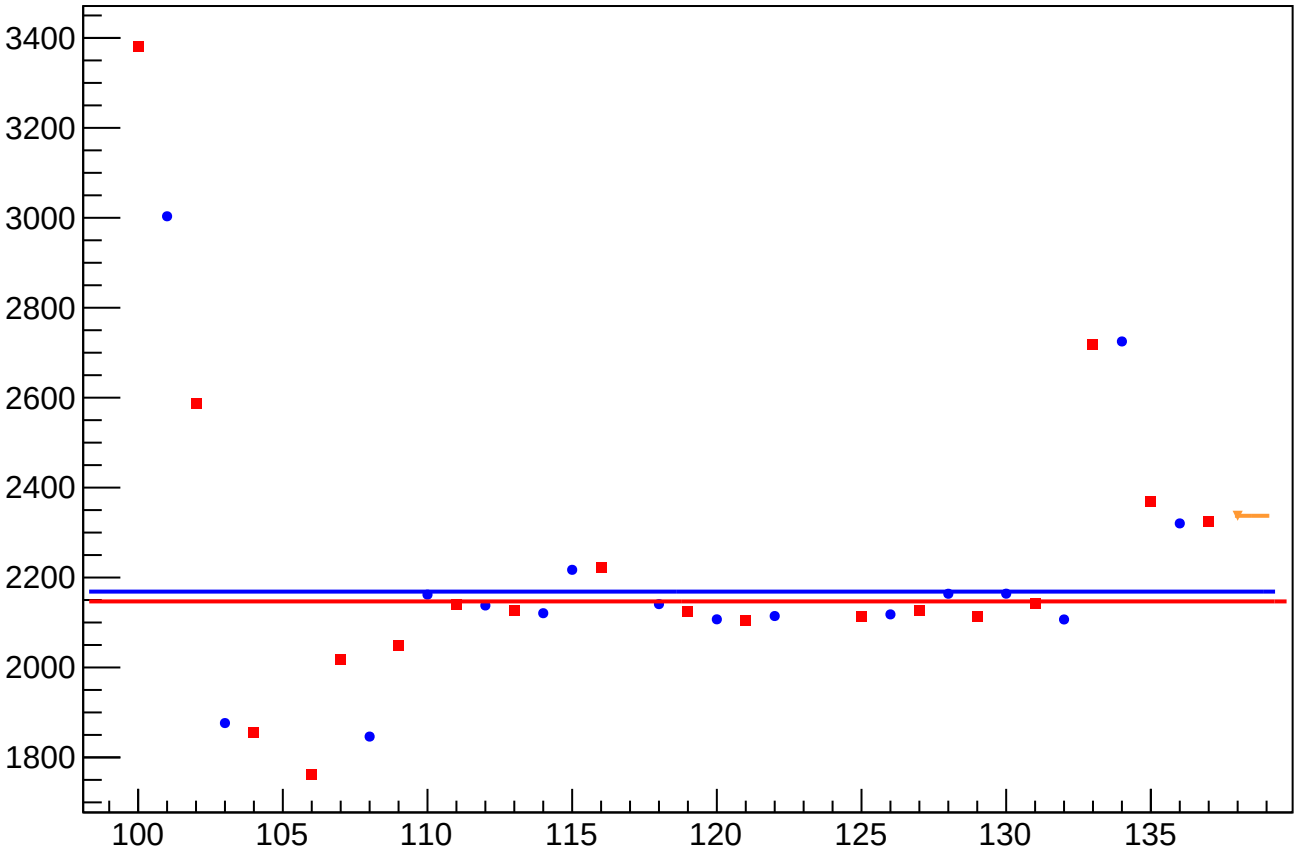
Left: 1130.451+/-2645.899 χ^2/NDF: 0.0/0

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5442.478+/-812.534 χ^2/NDF:5.4/15

Out: 3728.566+/-773.665 χ^2/NDF:14.0/18

All: 4543.550+/-560.301 χ^2/NDF: 21.7/34



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2337.315+/-1.871 χ^2/NDF:0.0/0

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

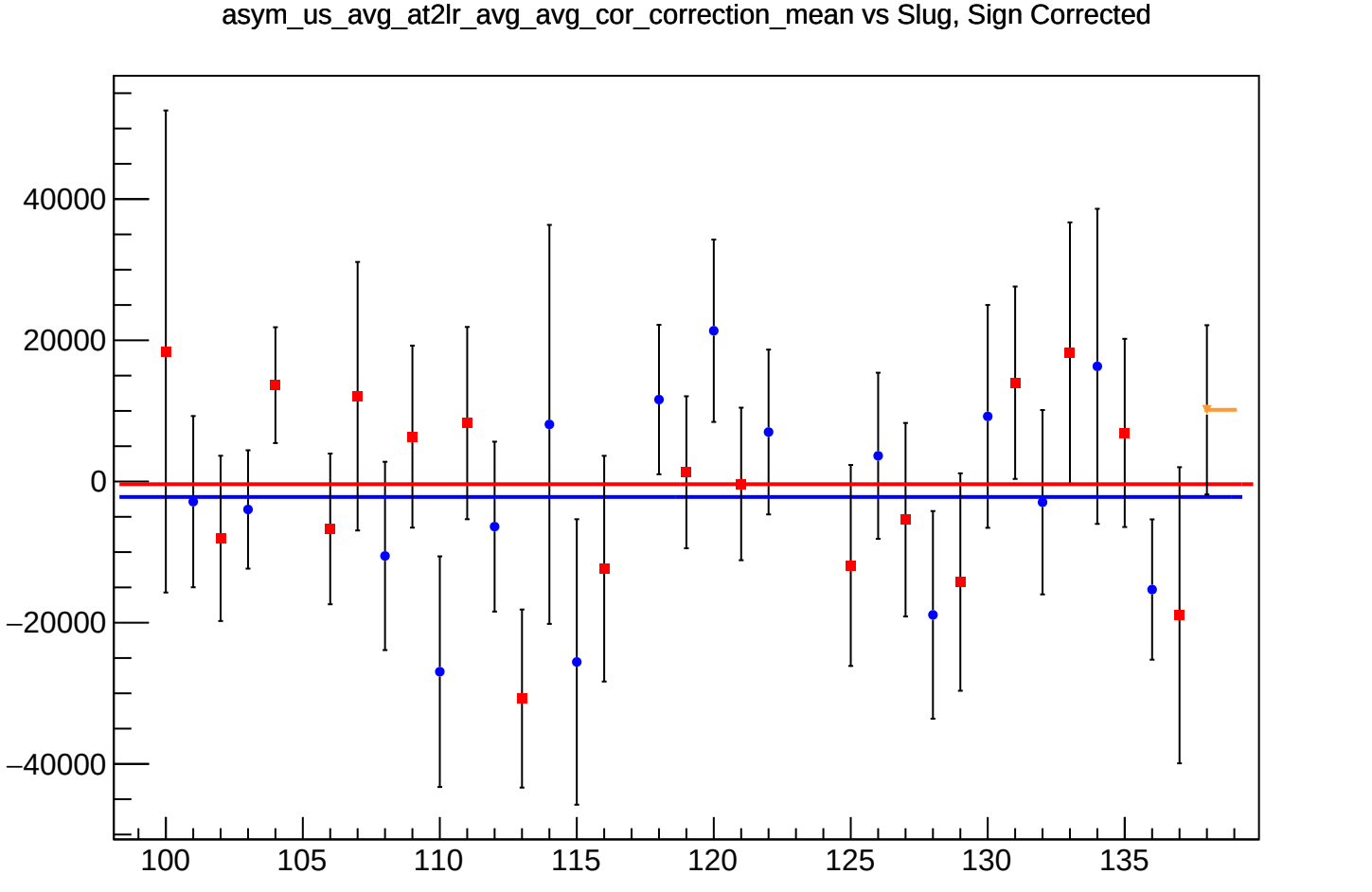
Left: 2337.315+/-1.871 χ^2/NDF: 0.0/0

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2168.715+/-0.575 χ^2/NDF:195659.8/15

Out: 2163.021+/-0.545 χ^2/NDF:167232.5/18

All: 2165.716+/-0.395 χ^2/NDF: 362944.1/34



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 10154.213+/-11985.520 χ^2/NDF:0.0/0

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

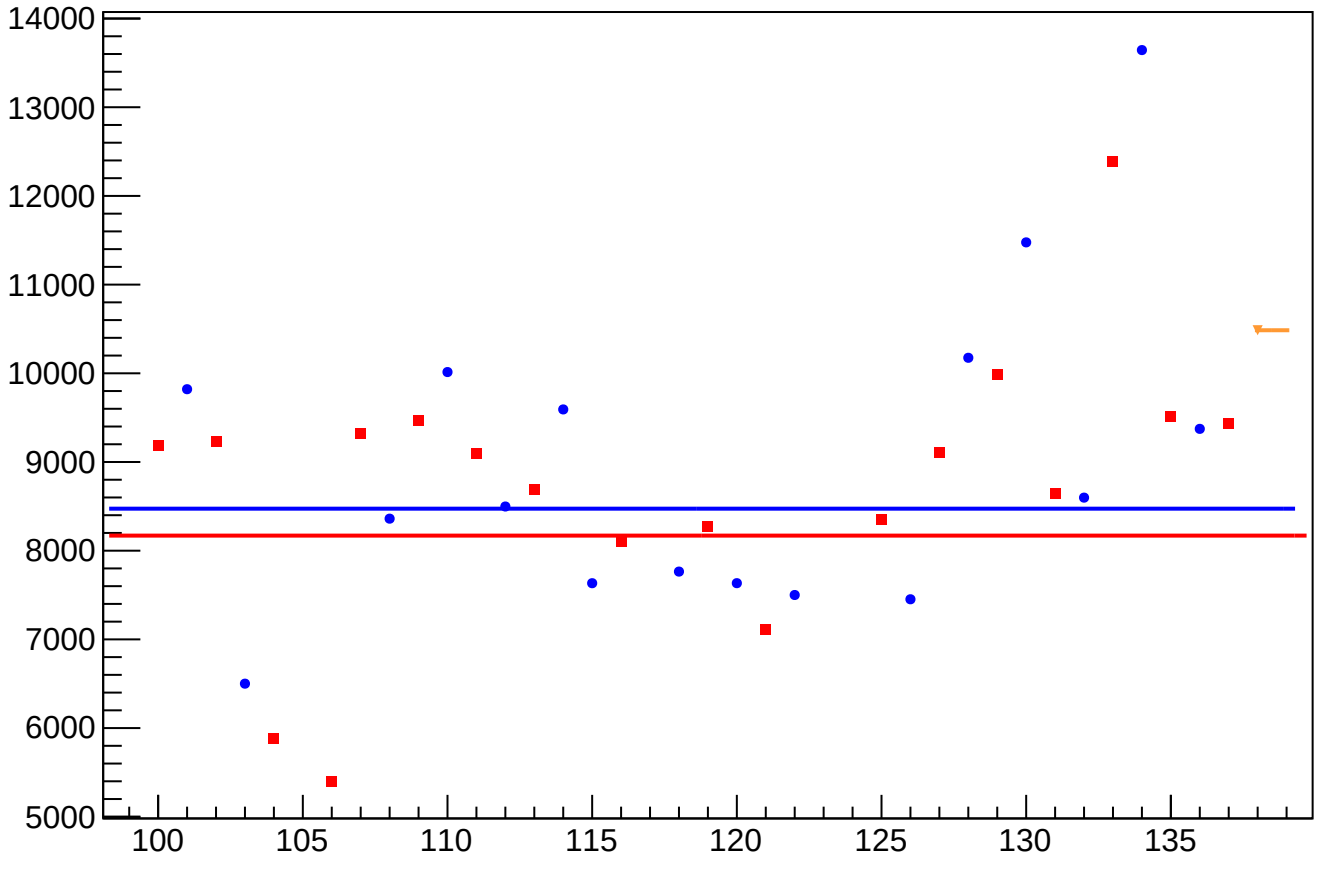
Left: 10154.213+/-11985.520 χ^2/NDF: 0.0/0

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -2189.256+/-3208.524 χ^2/NDF:14.5/15

Out: 281.222+/-3001.195 χ^2/NDF:17.0/18

All: -871.625+/-2191.798 χ^2/NDF: 31.8/34



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10485.508+/-8.475 χ^2/NDF:0.0/0

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

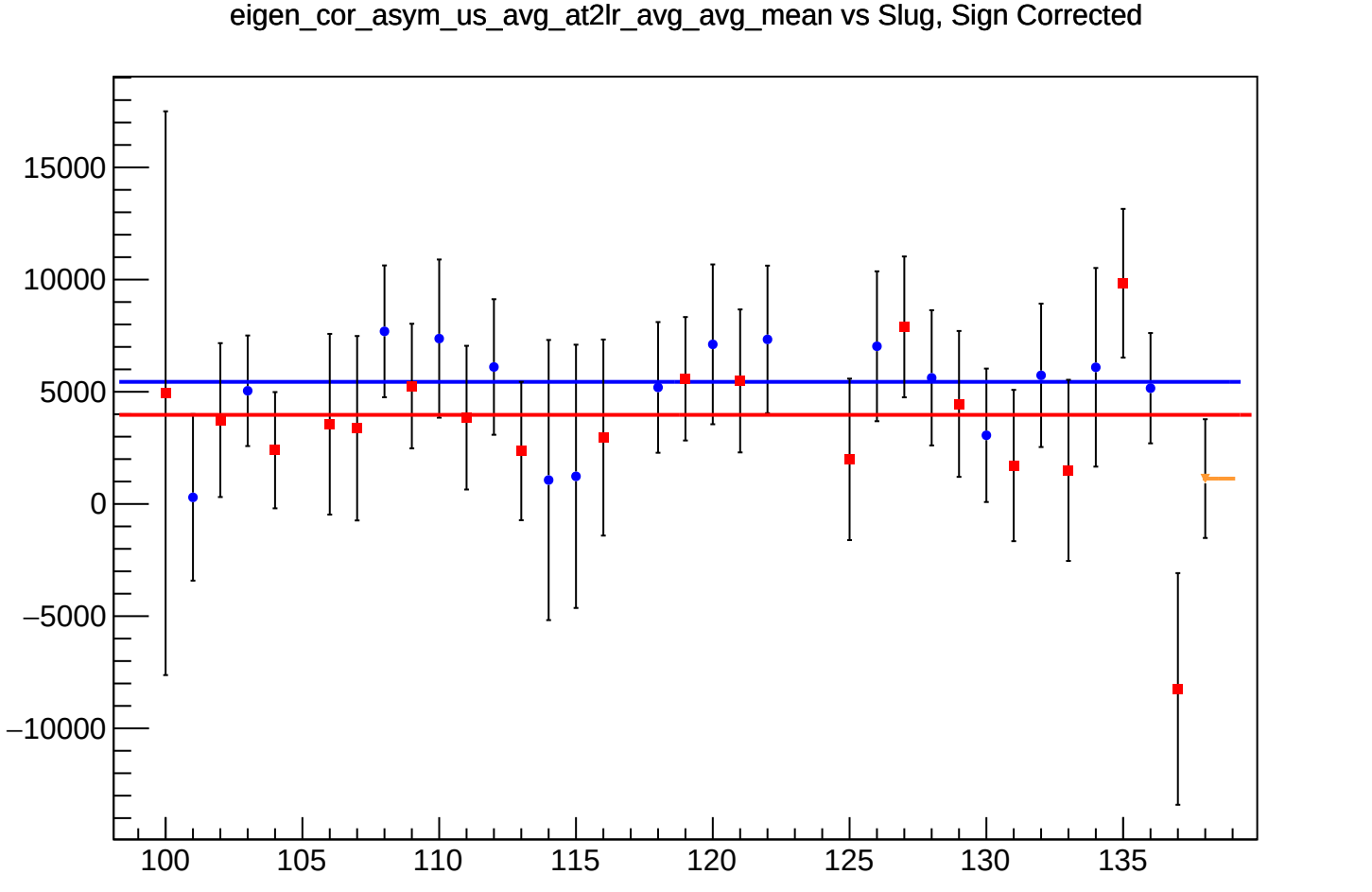
Left: 10485.508+/-8.475 χ^2/NDF: 0.0/0

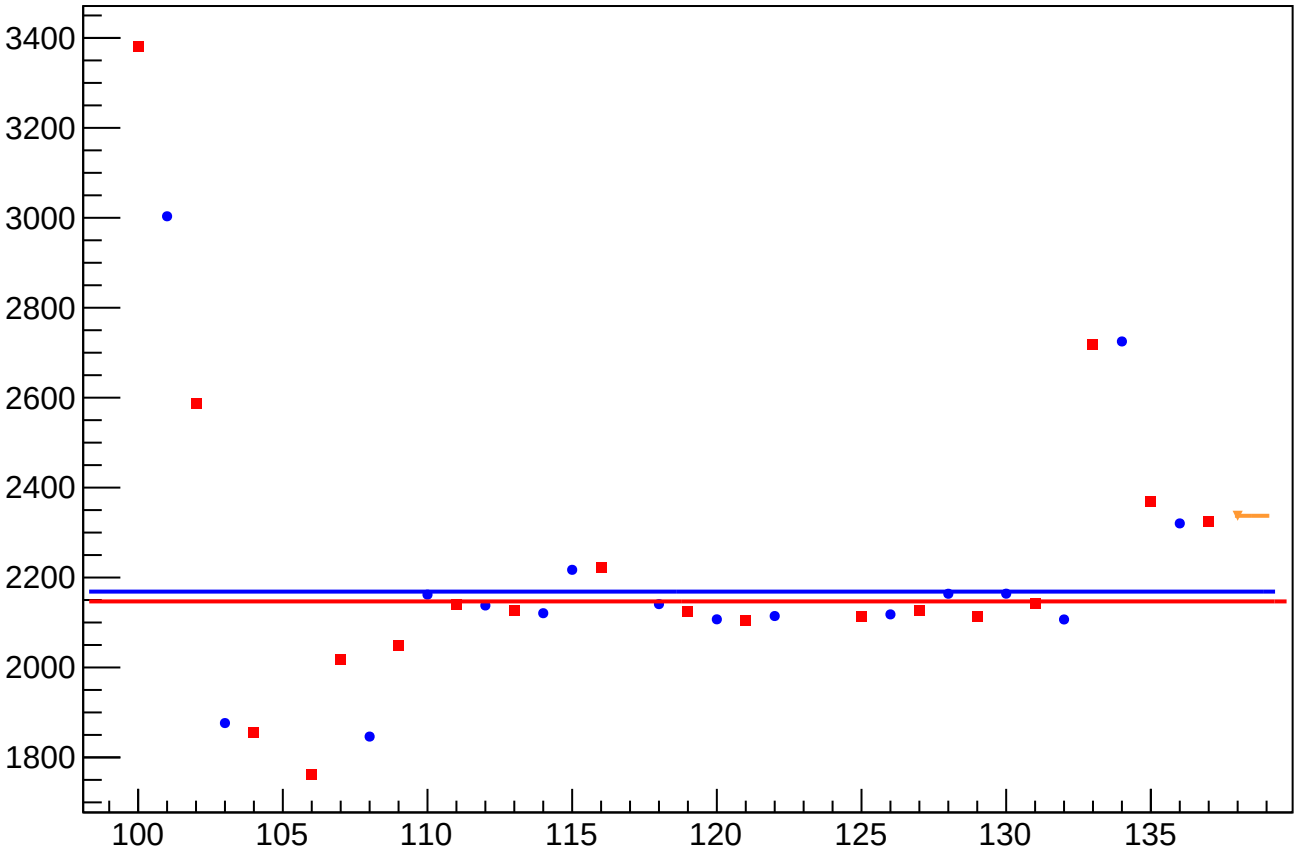
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8473.743+/-2.269 χ^2/NDF:429547.3/15

Out: 8315.210+/-2.122 χ^2/NDF:609890.2/18

All: 8389.189+/-1.550 χ^2/NDF: 1042041.6/34


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
Right In: 5442.478+/-812.534 χ²/NDF: 5.4/15
Left Out: 1130.451+/-2645.899 χ²/NDF:0.0/0
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1130.451+/-2645.899 χ²/NDF: 0.0/0
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5442.478+/-812.534 χ²/NDF:5.4/15
Out: 3728.566+/-773.665 χ²/NDF:14.0/18
All: 4543.550+/-560.301 χ²/NDF: 21.7/34



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2337.315+/-1.871 χ^2/NDF:0.0/0

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

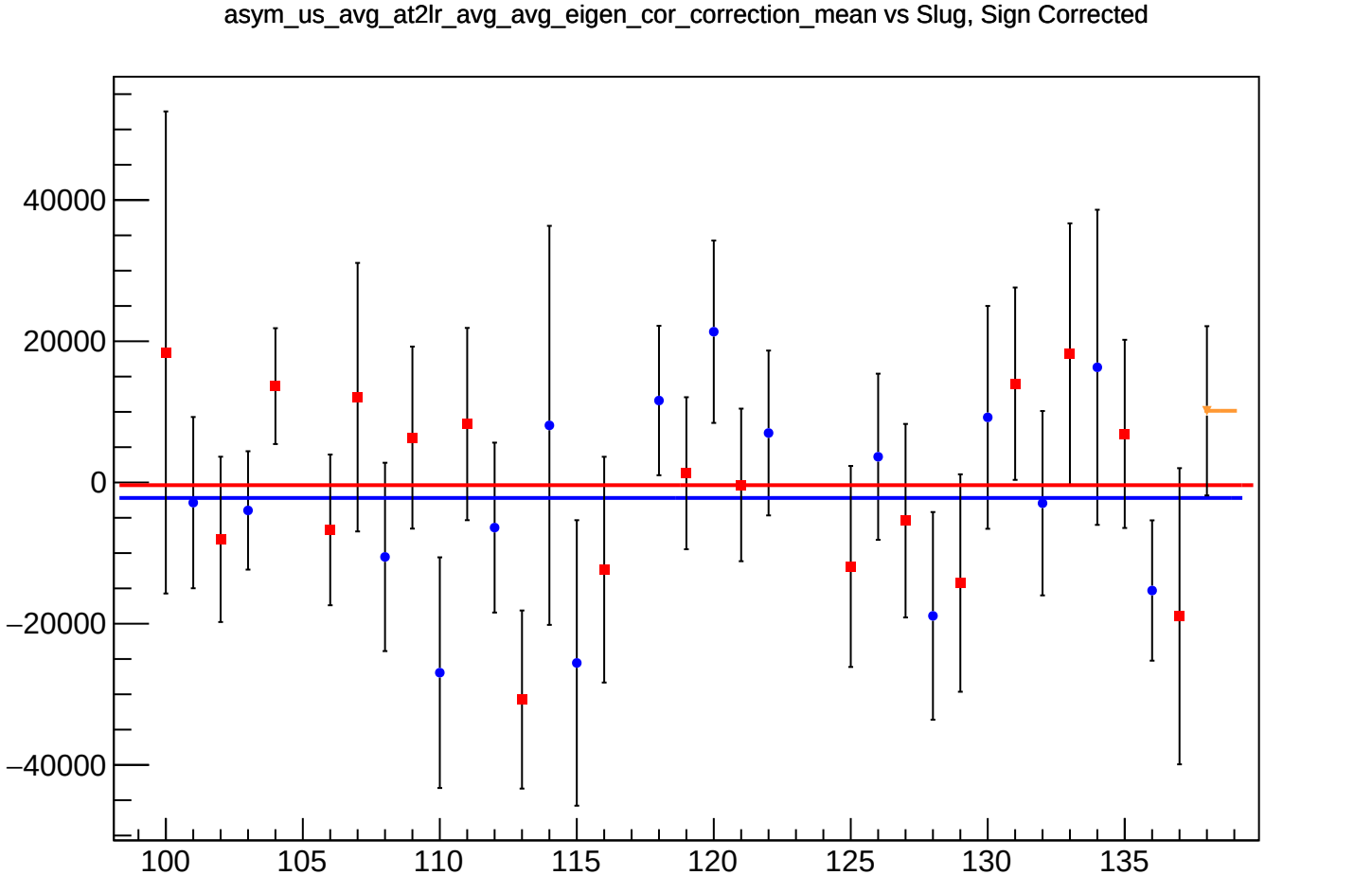
Left: 2337.315+/-1.871 χ^2/NDF: 0.0/0

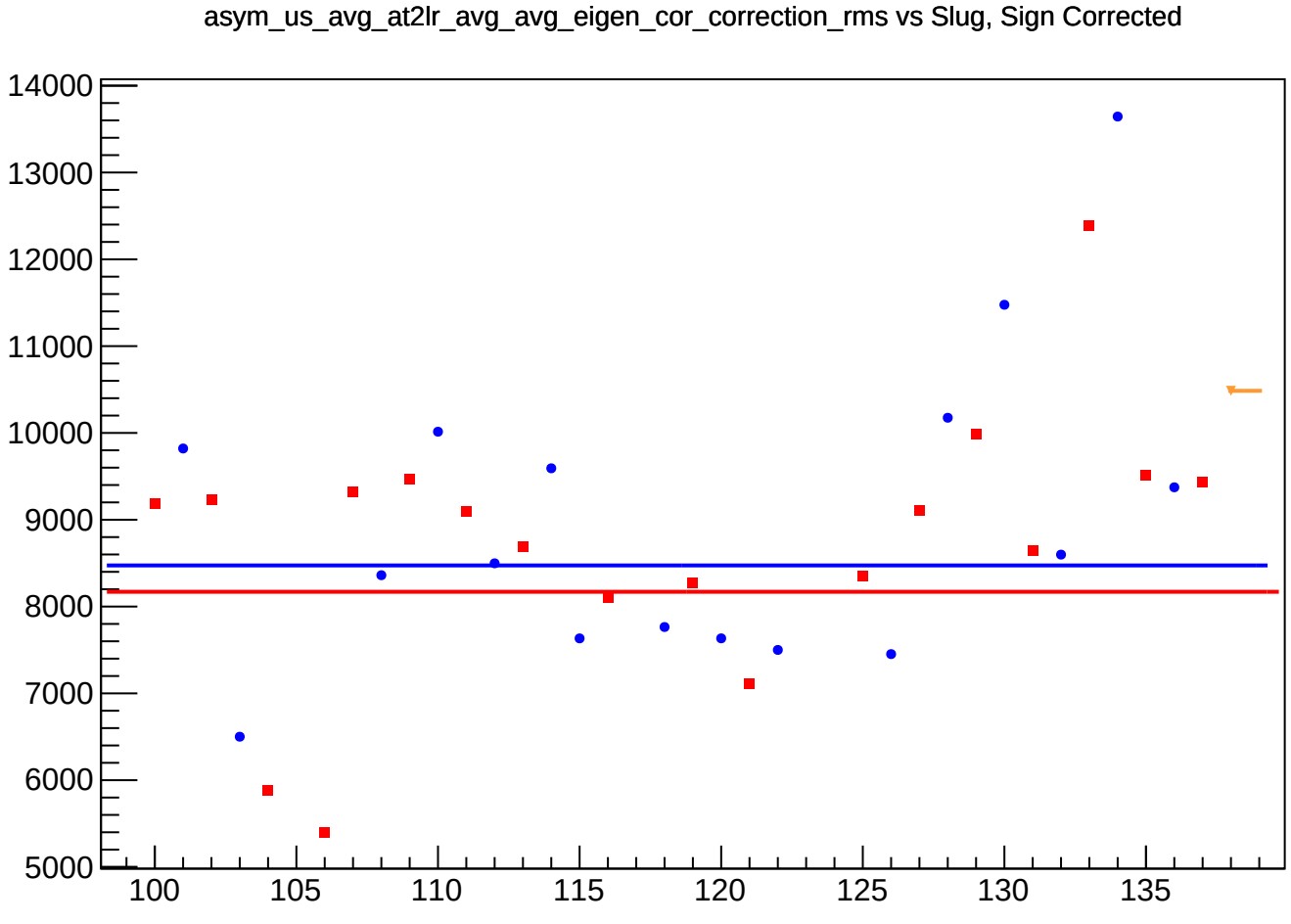
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2168.715+/-0.575 χ^2/NDF:195659.8/15

Out: 2163.021+/-0.545 χ^2/NDF:167232.5/18

All: 2165.716+/-0.395 χ^2/NDF: 362944.1/34


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
105
110
115
120
125
130
135
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: 10154.213+/-11985.520 χ²/NDF:0.0/0
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 10154.213+/-11985.520 χ²/NDF: 0.0/0
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: -2189.256+/-3208.524 χ²/NDF:14.5/15
Out: 281.222+/-3001.195 χ²/NDF:17.0/18
All: -871.625+/-2191.798 χ²/NDF: 31.8/34



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10485.508+/-8.475 χ^2/NDF:0.0/0

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

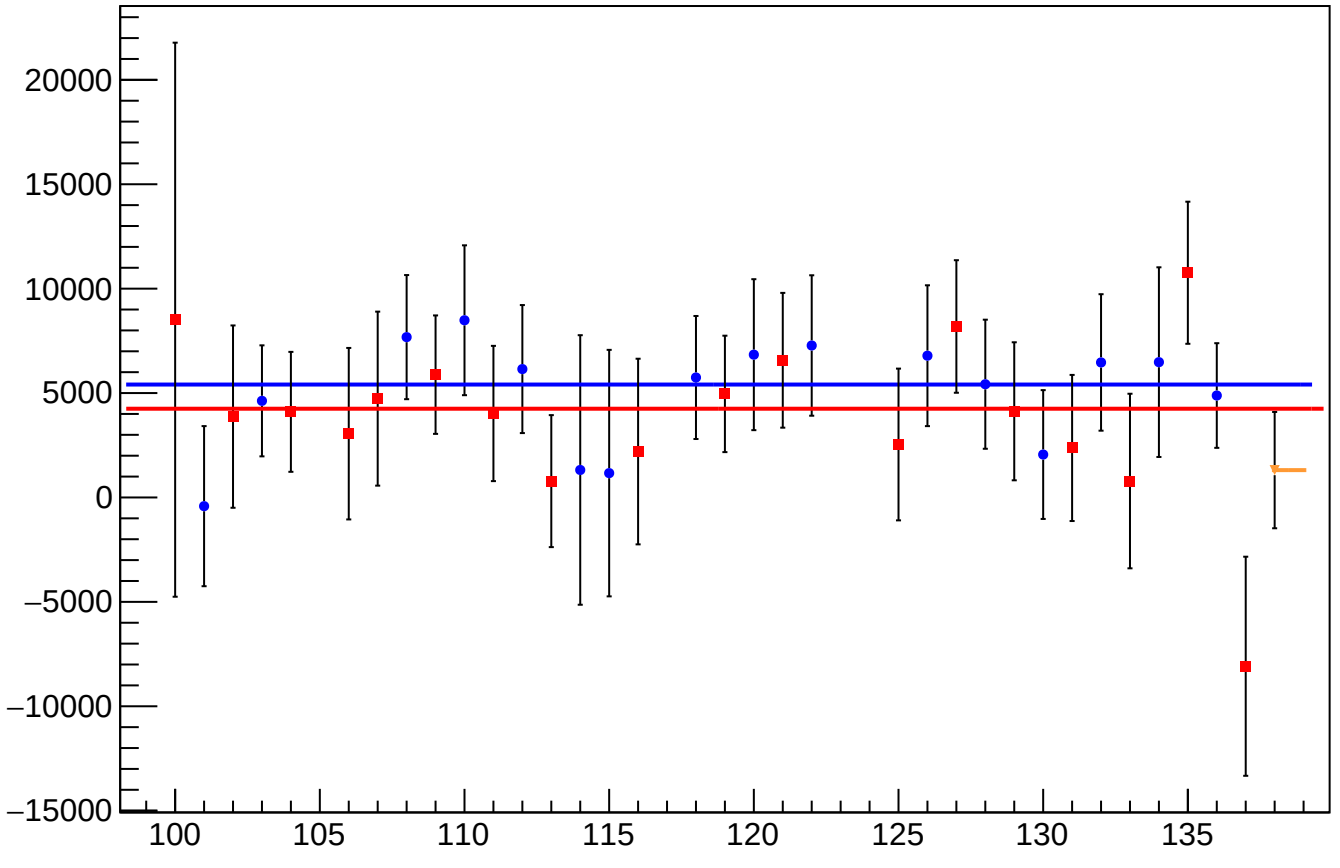
Left: 10485.508+/-8.475 χ^2/NDF: 0.0/0

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8473.743+/-2.269 χ^2/NDF:429547.3/15

Out: 8315.210+/-2.122 χ^2/NDF:609890.2/18

All: 8389.189+/-1.550 χ^2/NDF: 1042041.6/34



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1309.313+/-2784.772 χ^2/NDF:0.0/0

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

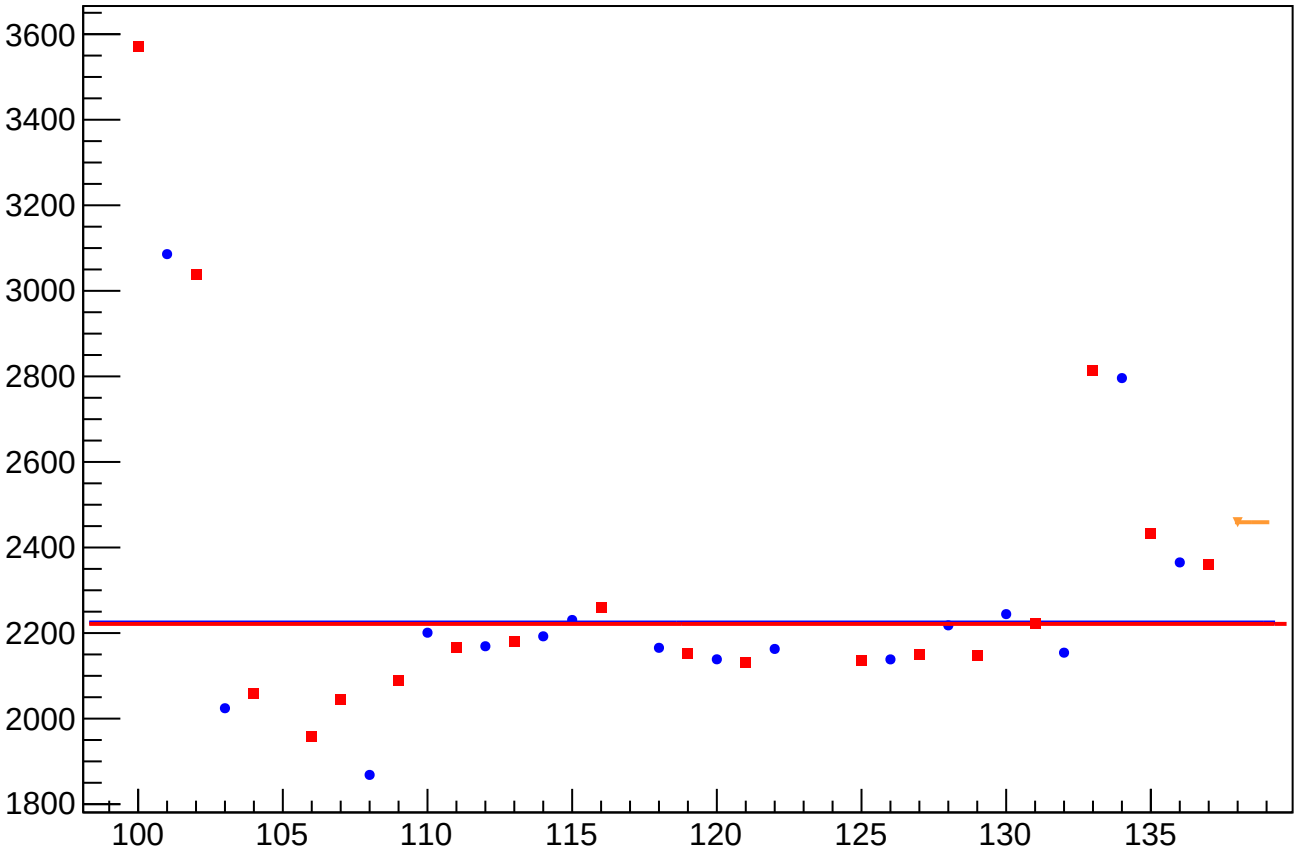
Left: 1309.313+/-2784.772 χ^2/NDF: 0.0/0

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5407.867+/-833.689 χ^2/NDF:6.7/15

Out: 4005.013+/-803.627 χ^2/NDF:15.5/18

All: 4680.692+/-578.586 χ^2/NDF: 23.7/34



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2459.089+/-1.969 χ^2/NDF:0.0/0

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2459.089+/-1.969 χ^2/NDF: 0.0/0

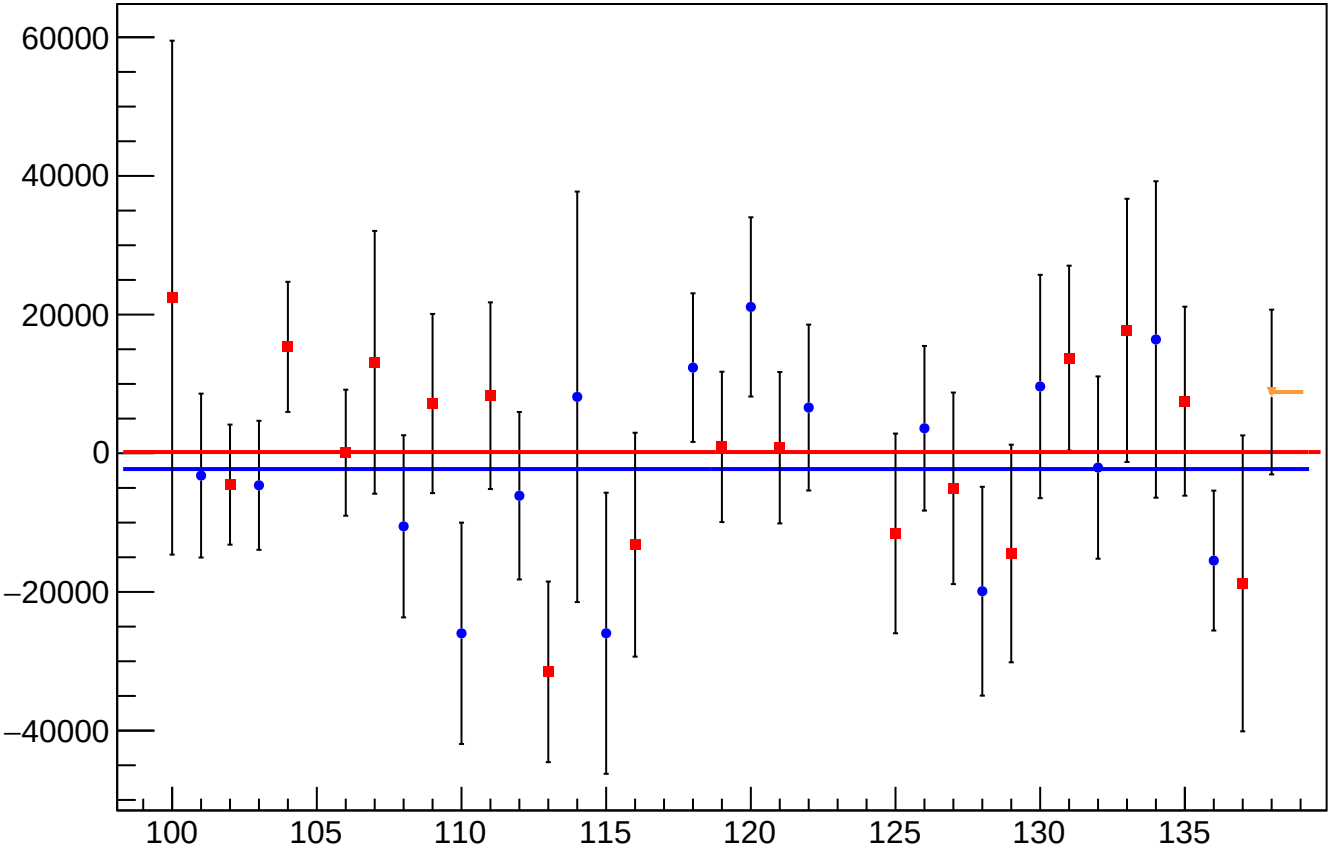
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2224.614+/-0.590 χ^2/NDF:184679.8/15

Out: 2241.195+/-0.568 χ^2/NDF:183299.8/18

All: 2233.214+/-0.409 χ^2/NDF: 368389.9/34

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: 8828.211+/-11882.248 χ^2/NDF:0.0/0

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 8828.211+/-11882.248 χ^2/NDF: 0.0/0

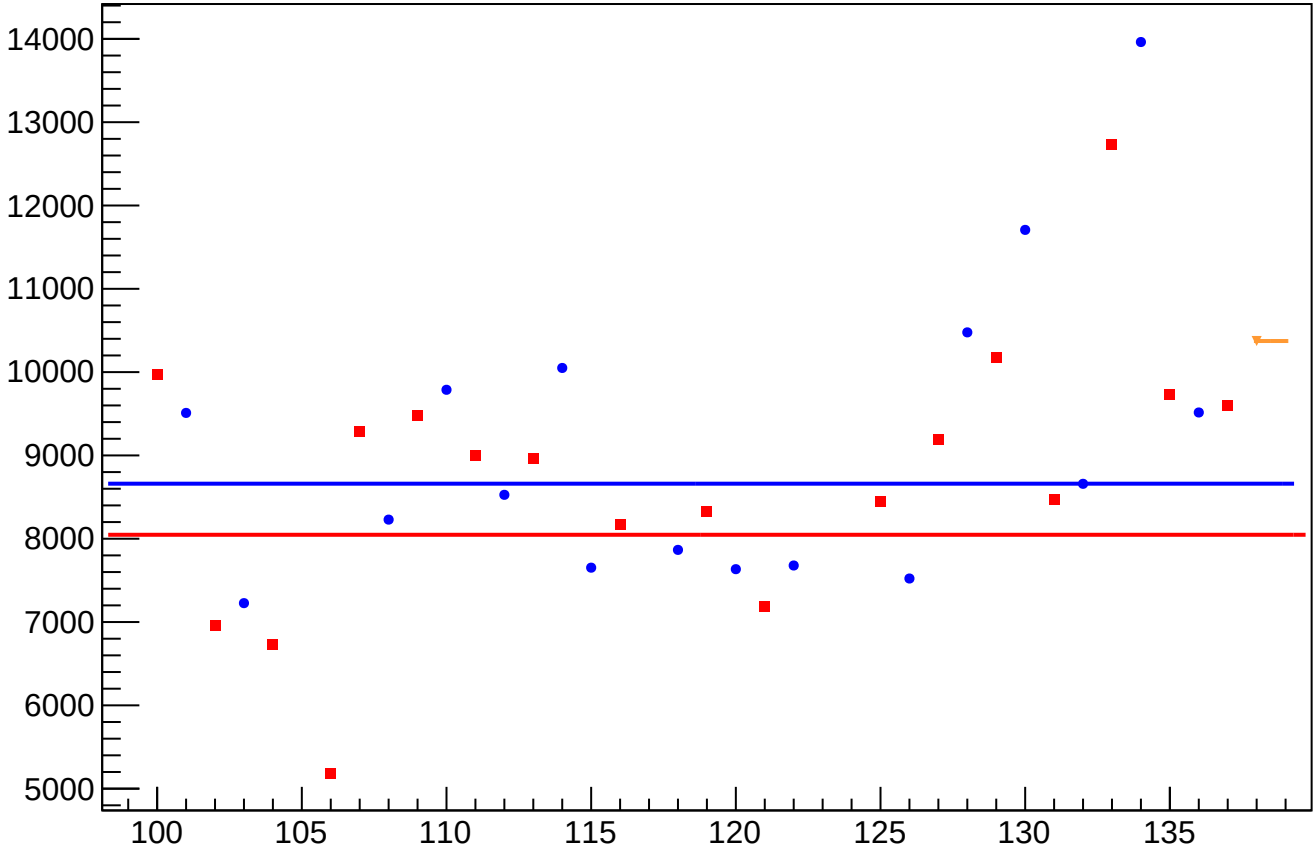
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -2278.440+/-3271.750 χ^2/NDF:14.5/15

Out: 706.984+/-2940.915 χ^2/NDF:16.1/18

All: -627.199+/-2187.181 χ^2/NDF: 31.1/34

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: 10373.299+/-8.402 χ^2/NDF:0.0/0

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

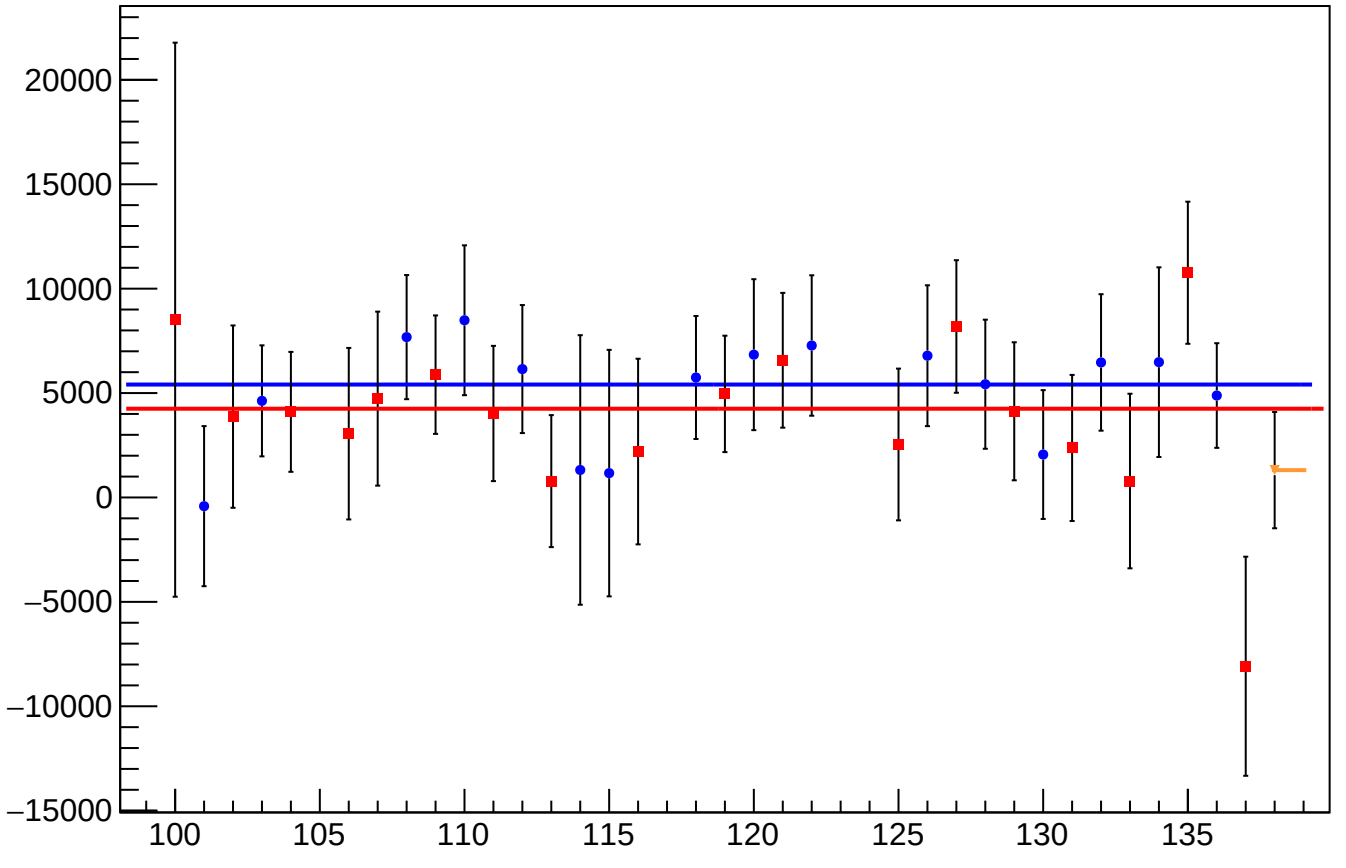
Left: 10373.299+/-8.402 χ^2/NDF: 0.0/0

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 8660.733+/-2.313 χ^2/NDF:357961.9/15

Out: 8189.938+/-2.080 χ^2/NDF:630494.2/18

All: 8400.335+/-1.547 χ^2/NDF: 1011361.5/34



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1309.349+/-2784.773 χ^2/NDF:0.0/0

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

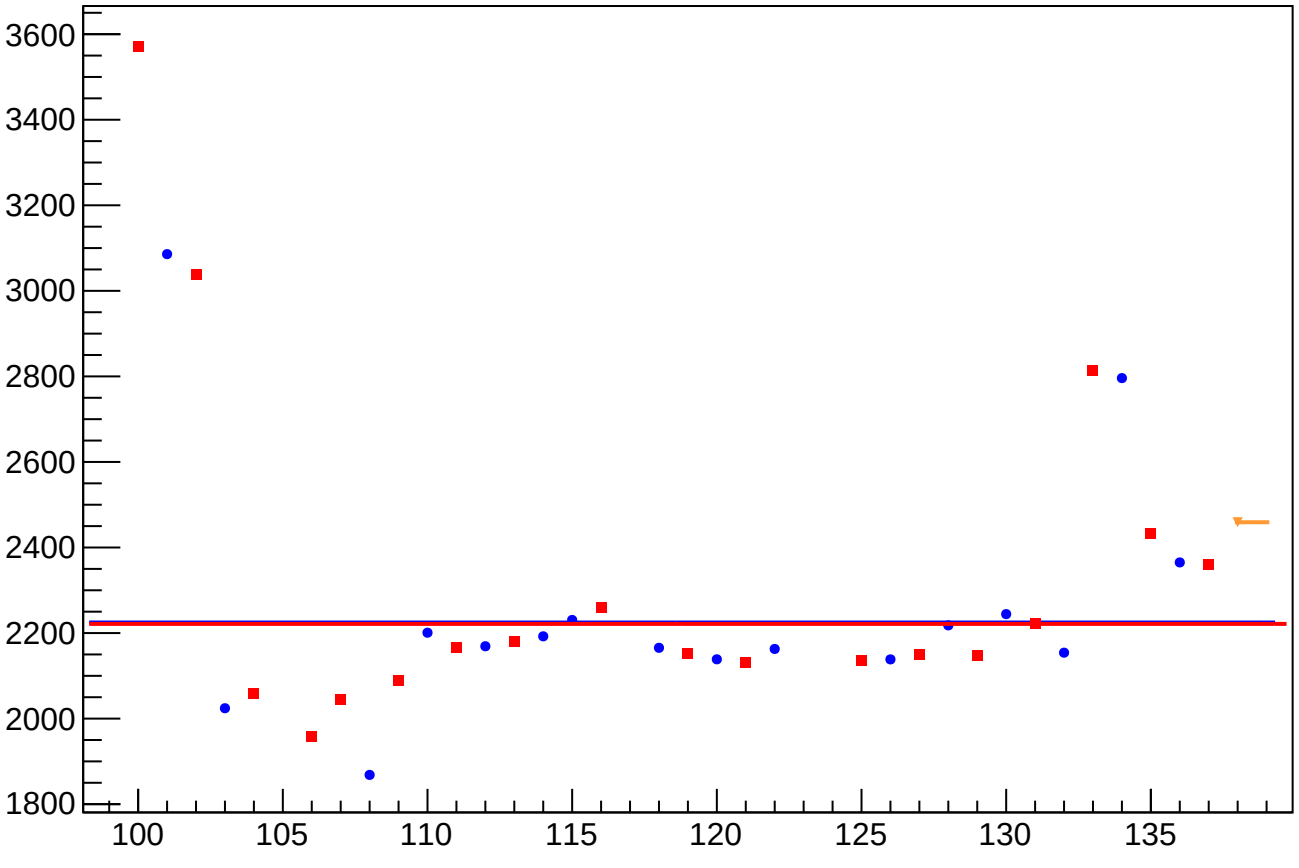
Left: 1309.349+/-2784.773 χ^2/NDF: 0.0/0

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5407.869+/-833.688 χ^2/NDF:6.7/15

Out: 4005.020+/-803.627 χ^2/NDF:15.5/18

All: 4680.696+/-578.586 χ^2/NDF: 23.7/34



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2459.089+/-1.969 χ^2/NDF:0.0/0

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

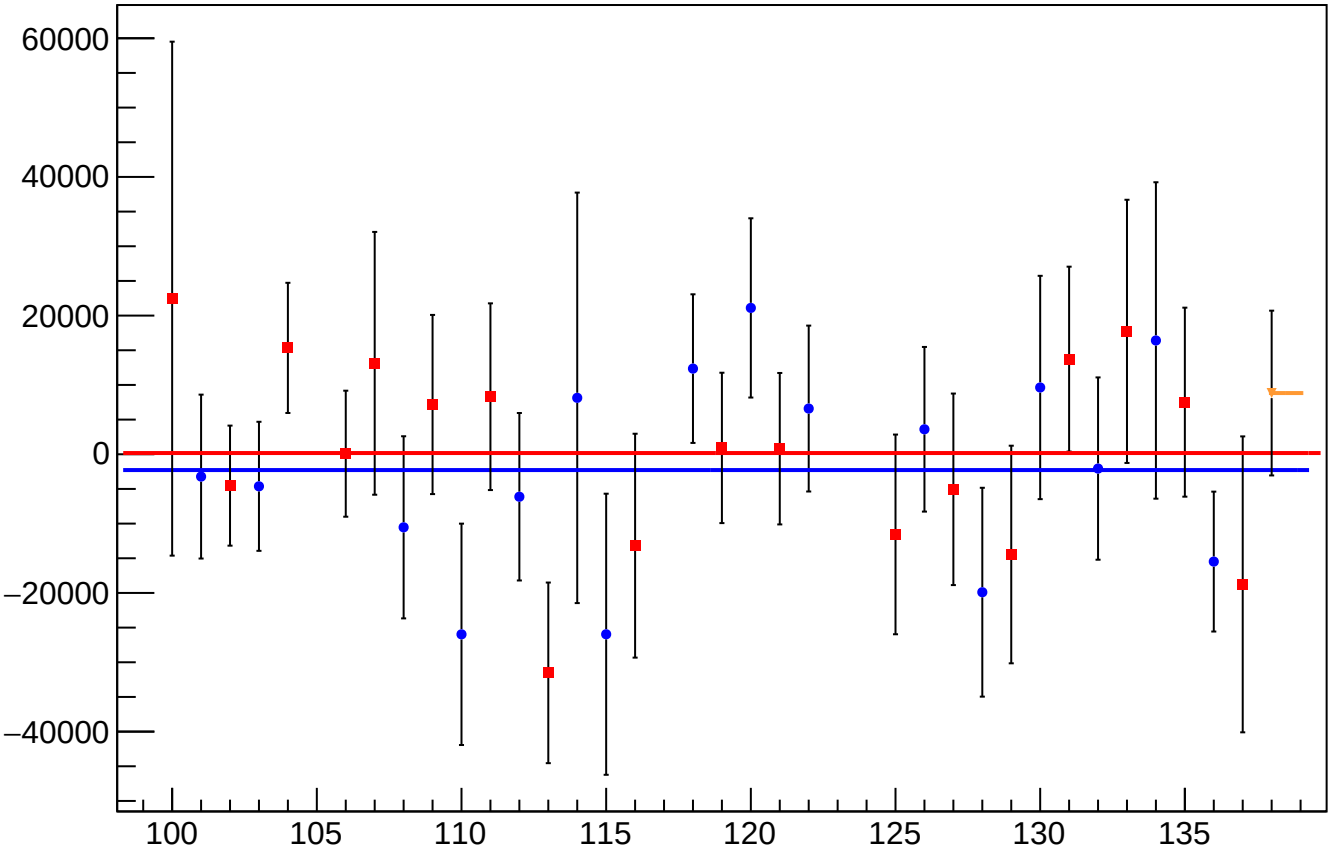
Left: 2459.089+/-1.969 χ^2/NDF: 0.0/0

Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2224.613+/-0.590 χ^2/NDF:184680.1/15

Out: 2241.194+/-0.568 χ^2/NDF:183299.9/18

All: 2233.213+/-0.409 χ^2/NDF: 368390.3/34



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 8828.242+/-11882.278 χ^2/NDF:0.0/0

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

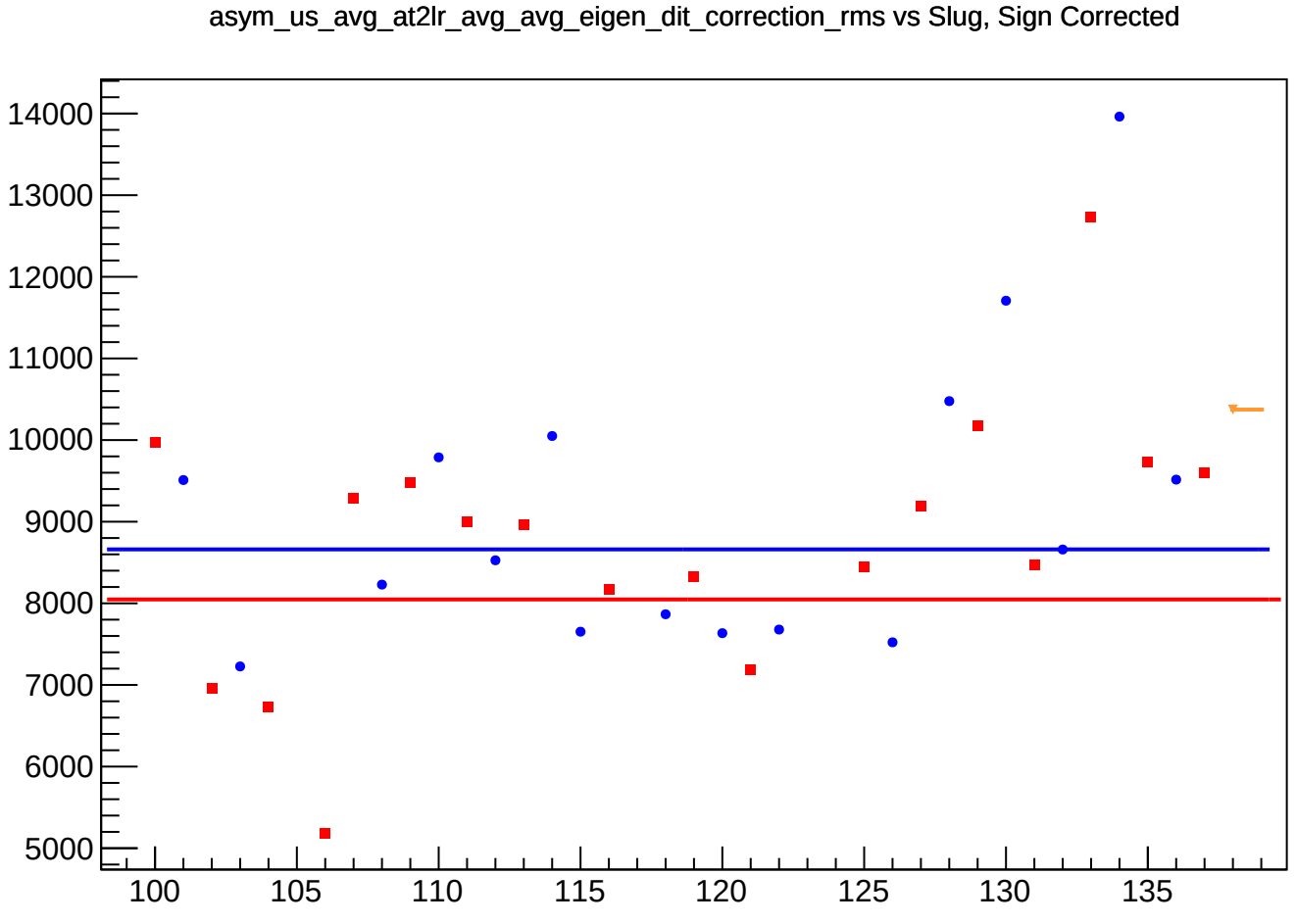
Left: 8828.242+/-11882.278 χ^2/NDF: 0.0/0

Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -2278.418+/-3271.742 χ^2/NDF:14.5/15

Out: 706.986+/-2940.909 χ^2/NDF:16.1/18

All: -627.188+/-2187.176 χ^2/NDF: 31.1/34



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10373.325+/-8.402 χ^2/NDF:0.0/0

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

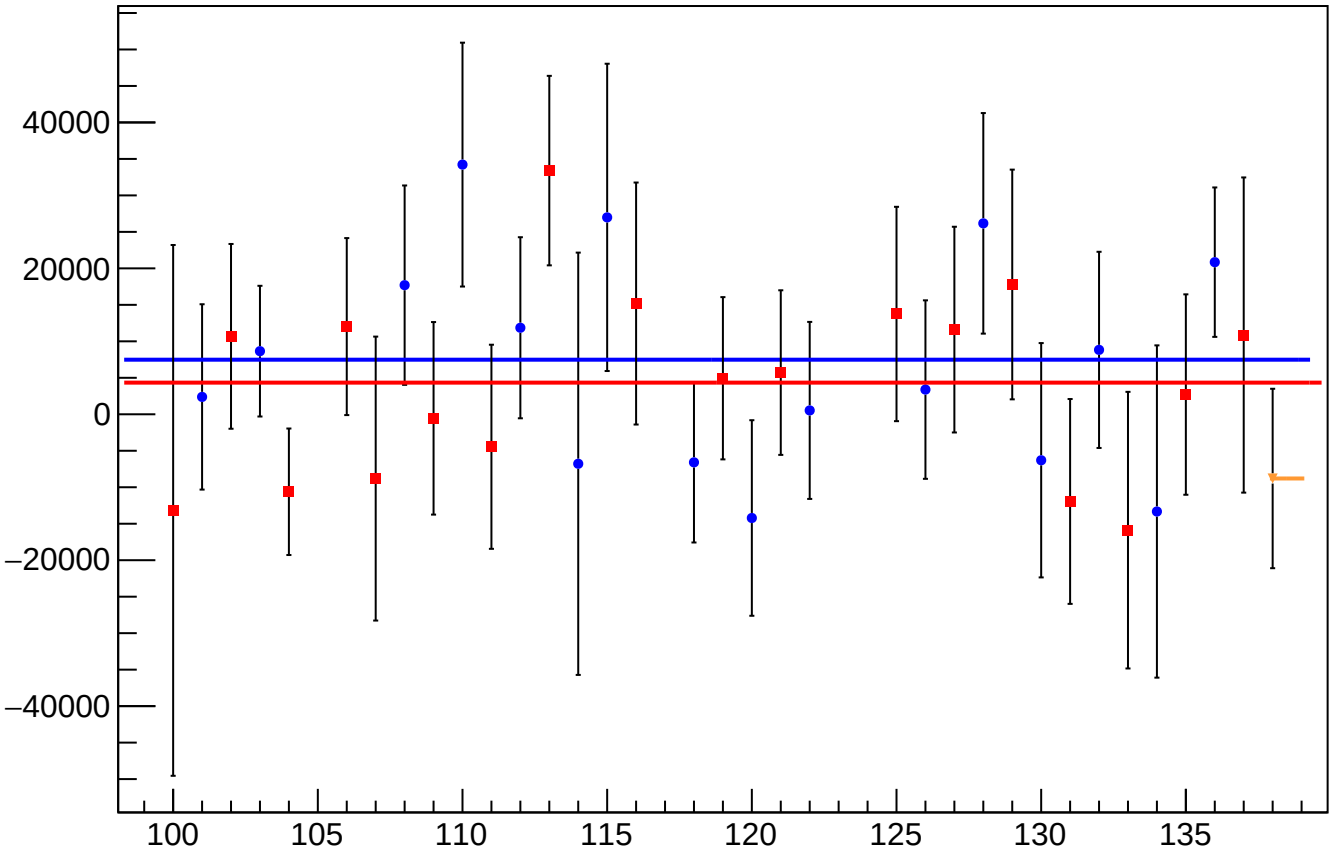
Left: 10373.325+/-8.402 χ^2/NDF: 0.0/0

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 8660.711+/-2.313 χ^2/NDF:357964.1/15

Out: 8189.921+/-2.080 χ^2/NDF:630494.9/18

All: 8400.317+/-1.547 χ^2/NDF: 1011364.0/34



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -8799.196+/-12296.510 χ^2/NDF:0.0/0

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

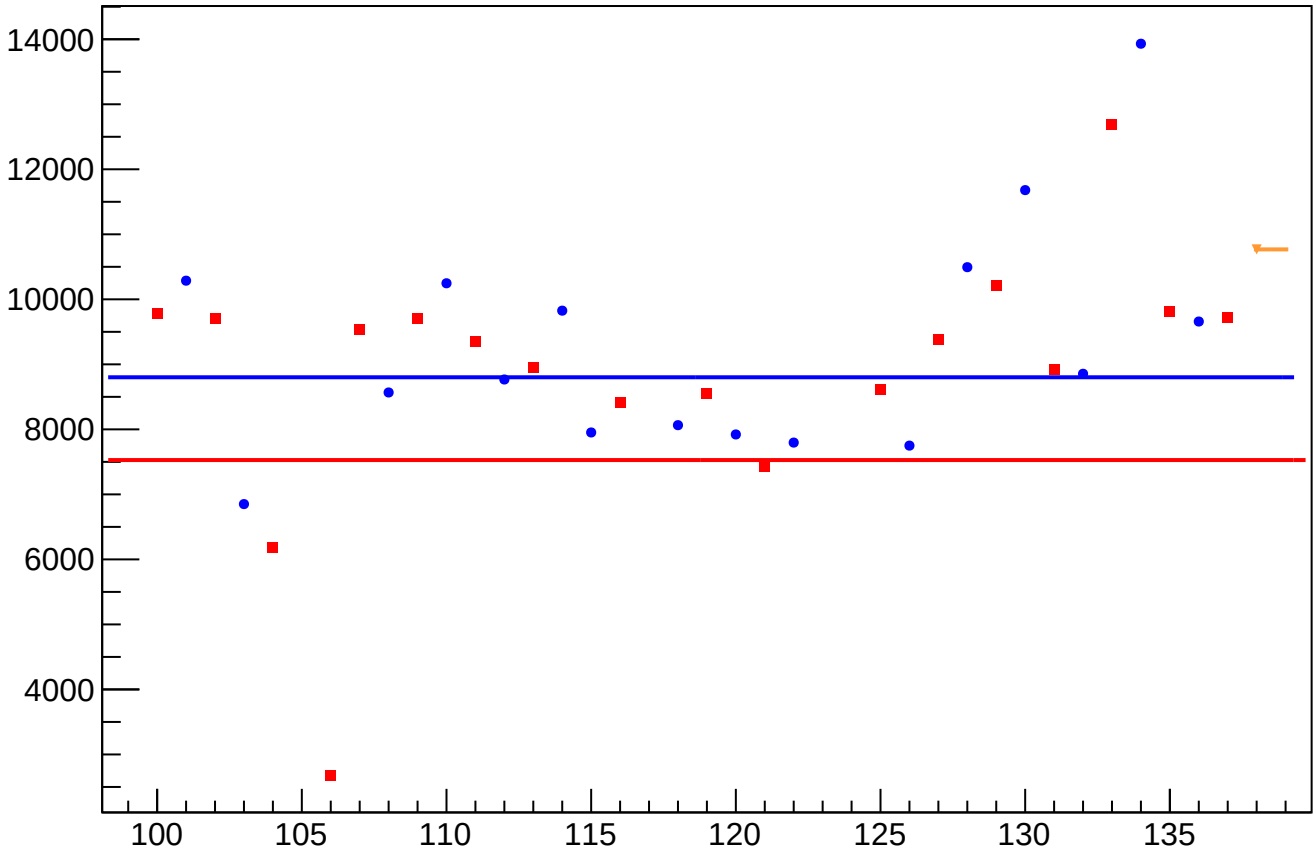
Left: -8799.196+/-12296.510 χ^2/NDF: 0.0/0

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 7481.770+/-3330.915 χ^2/NDF:14.0/15

Out: 3484.004+/-3135.435 χ^2/NDF:15.4/18

All: 5362.143+/-2283.068 χ^2/NDF: 30.2/34



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10768.070+/-8.695 χ^2/NDF:0.0/0

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

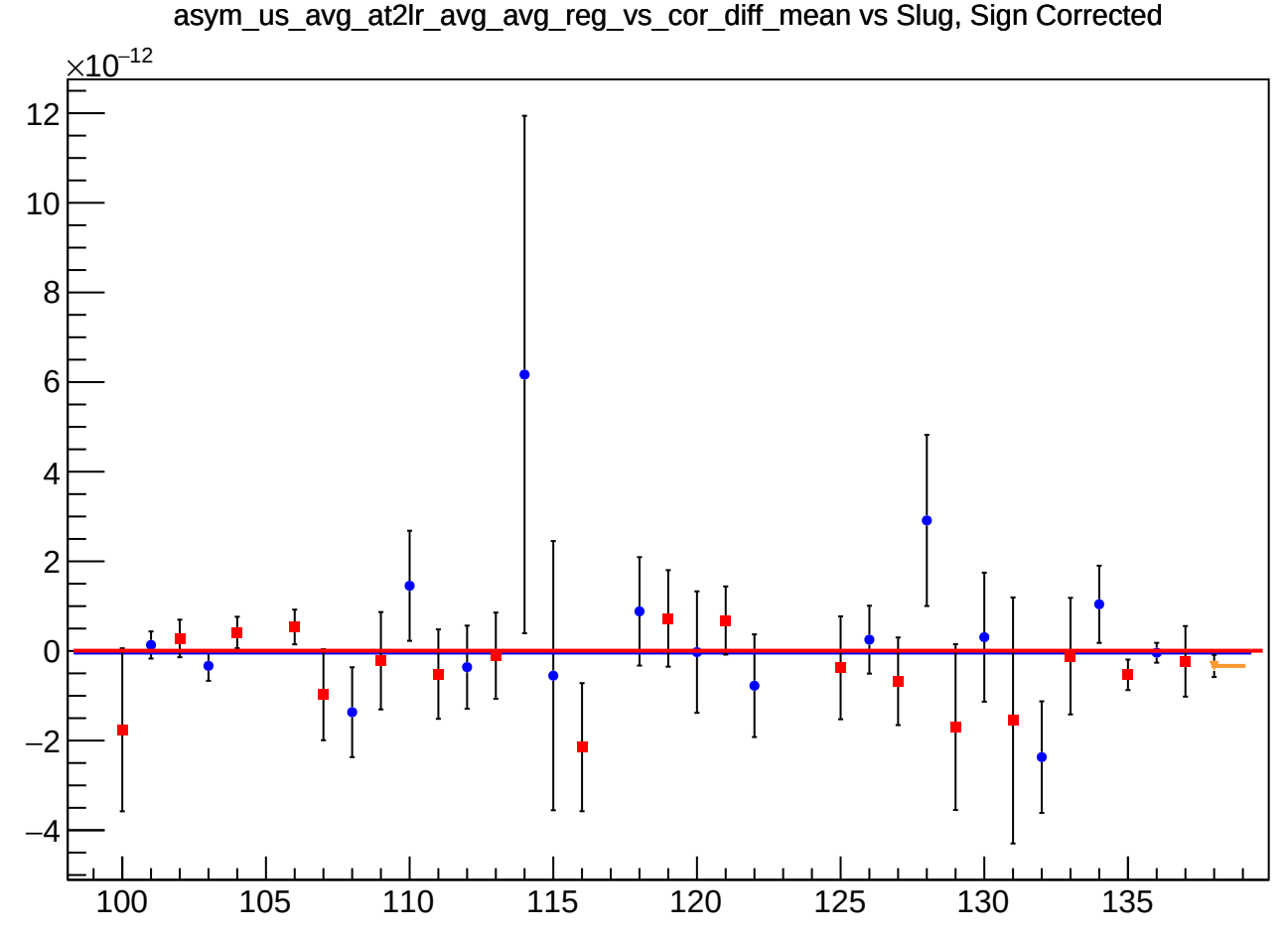
Left: 10768.070+/-8.695 χ^2/NDF: 0.0/0

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 8801.075+/-2.355 χ^2/NDF:394575.1/15

Out: 7710.972+/-2.067 χ^2/NDF:1788325.4/18

All: 8185.337+/-1.554 χ^2/NDF: 2303898.1/34



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

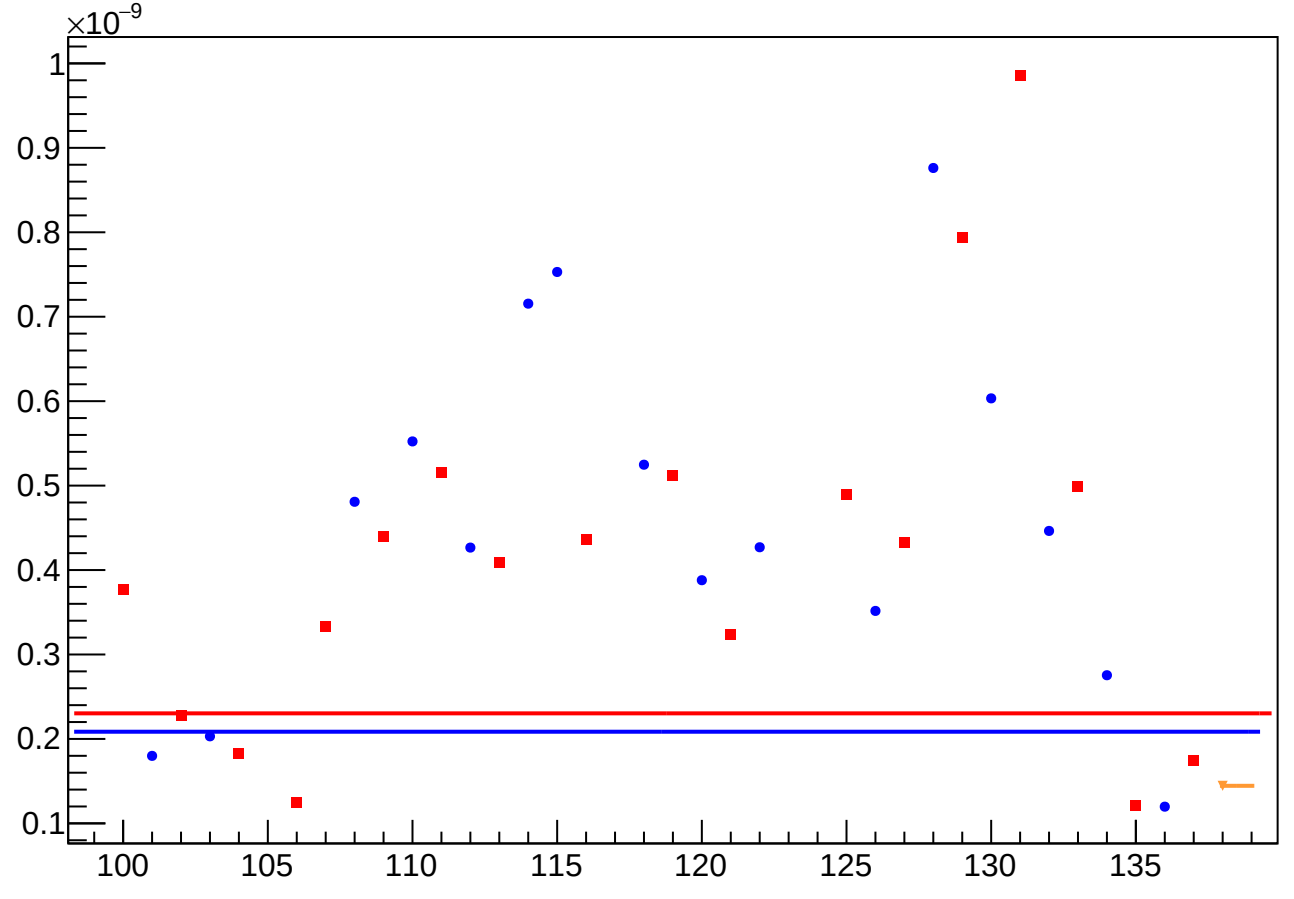
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:14.3/15

Out: -0.000+/-0.000 χ^2/NDF:15.0/18

All: -0.000+/-0.000 χ^2/NDF: 29.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

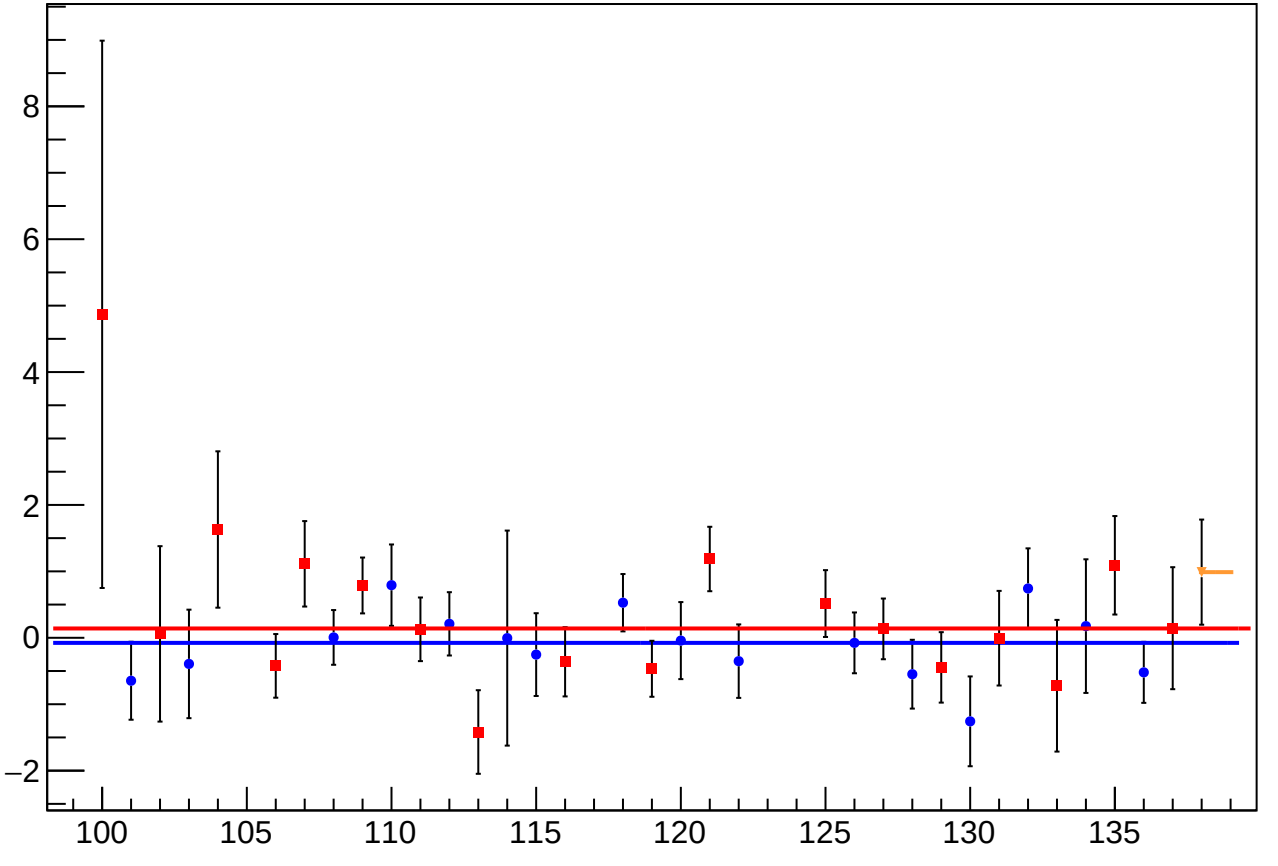
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:1632322.4/15

Out: 0.000+/-0.000 χ^2/NDF:1732508.2/18

All: 0.000+/-0.000 χ^2/NDF: 3365199.7/34

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: 0.988+/-0.791 χ^2/NDF:0.0/0

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

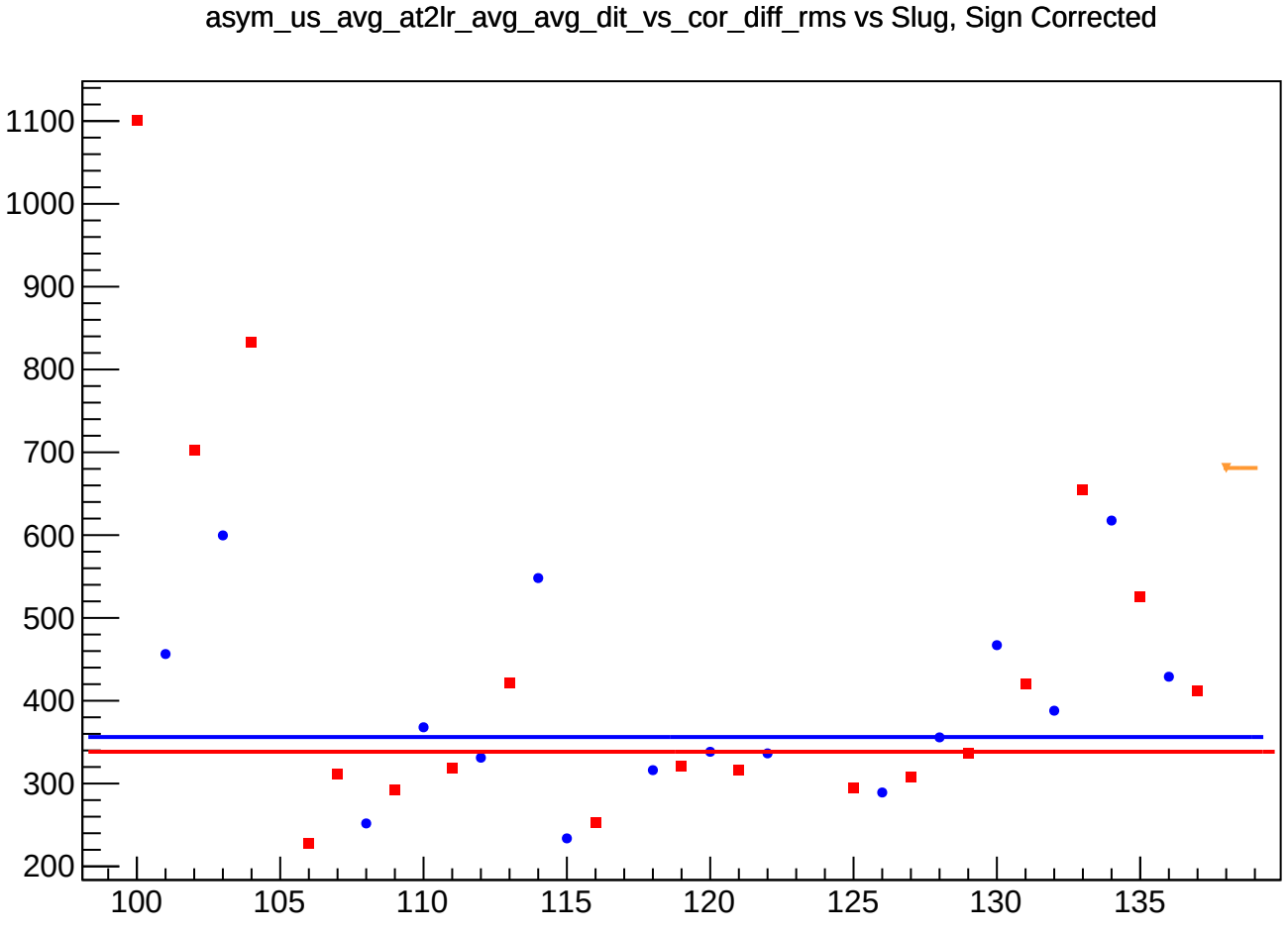
Left: 0.988+/-0.791 χ^2/NDF: 0.0/0

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.076+/-0.140 χ^2/NDF:12.5/15

Out: 0.165+/-0.136 χ^2/NDF:28.1/18

All: 0.048+/-0.097 χ^2/NDF: 42.1/34



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 681.072+/-0.559 χ^2/NDF:0.0/0

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 681.072+/-0.559 χ^2/NDF: 0.0/0

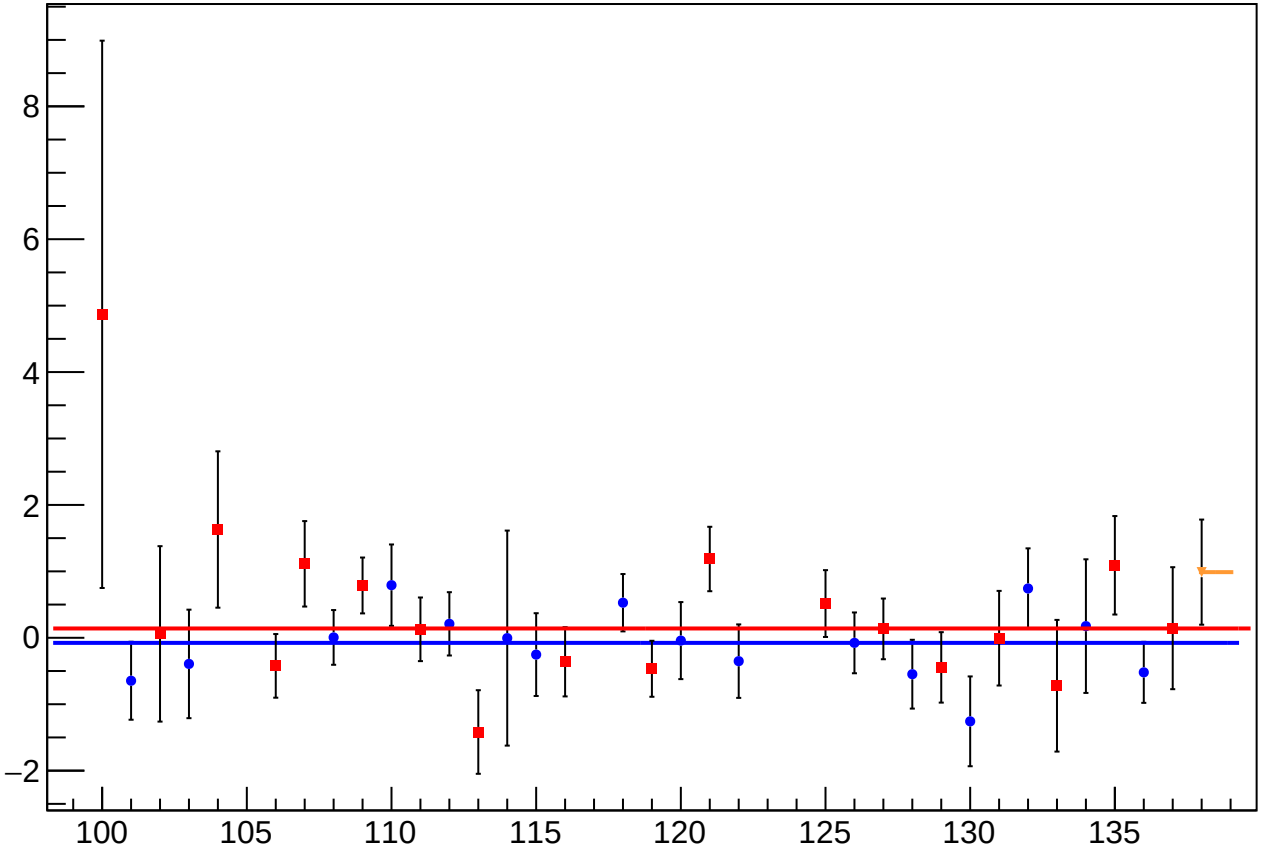
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 356.190+/-0.099 χ^2/NDF:785107.3/15

Out: 348.522+/-0.096 χ^2/NDF:1567318.9/18

All: 352.245+/-0.069 χ^2/NDF: 2355516.8/34

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: 0.988+/-0.791 χ^2/NDF:0.0/0

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.988+/-0.791 χ^2/NDF: 0.0/0

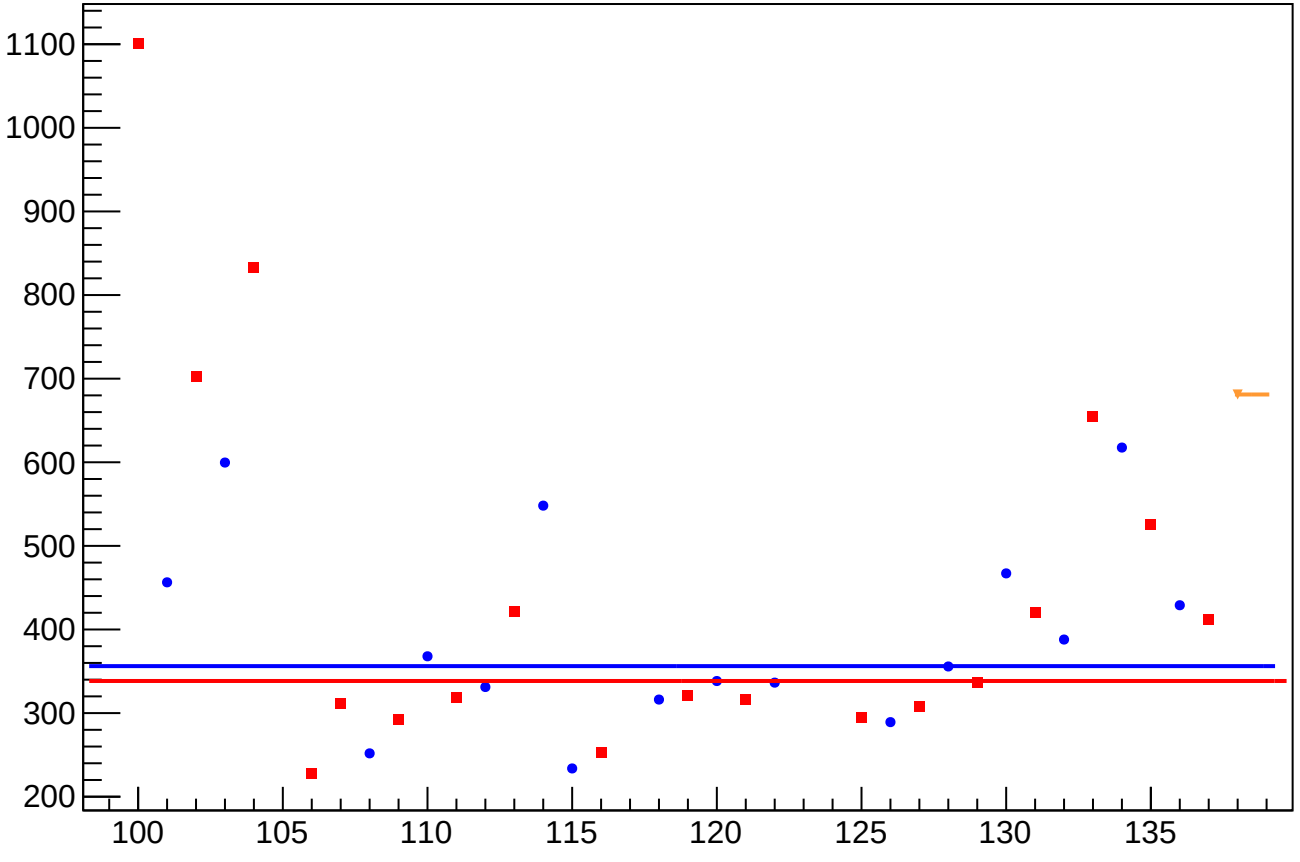
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.076+/-0.140 χ^2/NDF:12.5/15

Out: 0.165+/-0.136 χ^2/NDF:28.1/18

All: 0.048+/-0.097 χ^2/NDF: 42.1/34

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: 681.072+/-0.559 χ^2/NDF:0.0/0

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

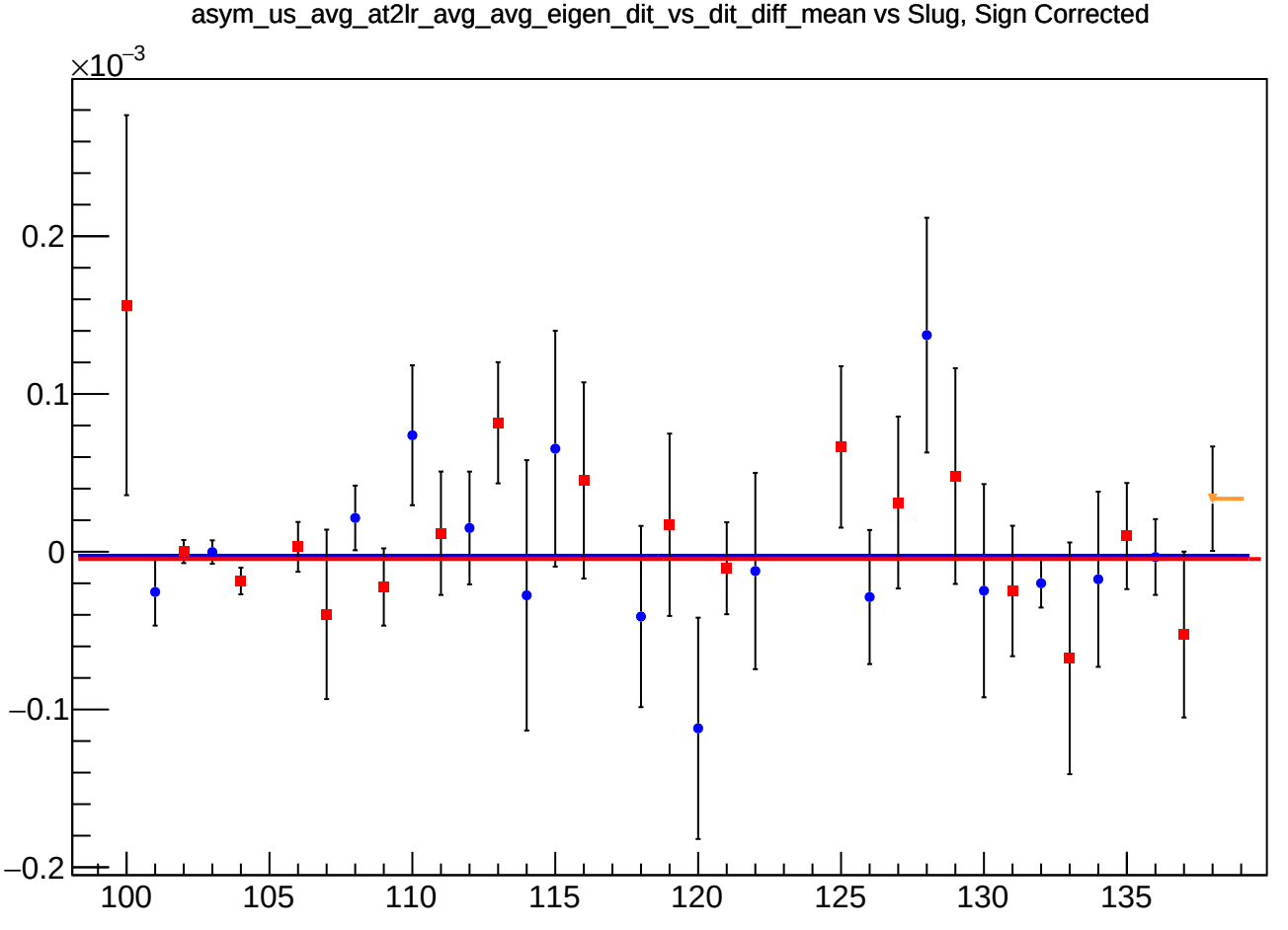
Left: 681.072+/-0.559 χ^2/NDF: 0.0/0

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 356.190+/-0.099 χ^2/NDF:785107.3/15

Out: 348.522+/-0.096 χ^2/NDF:1567318.9/18

All: 352.245+/-0.069 χ^2/NDF: 2355516.8/34



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

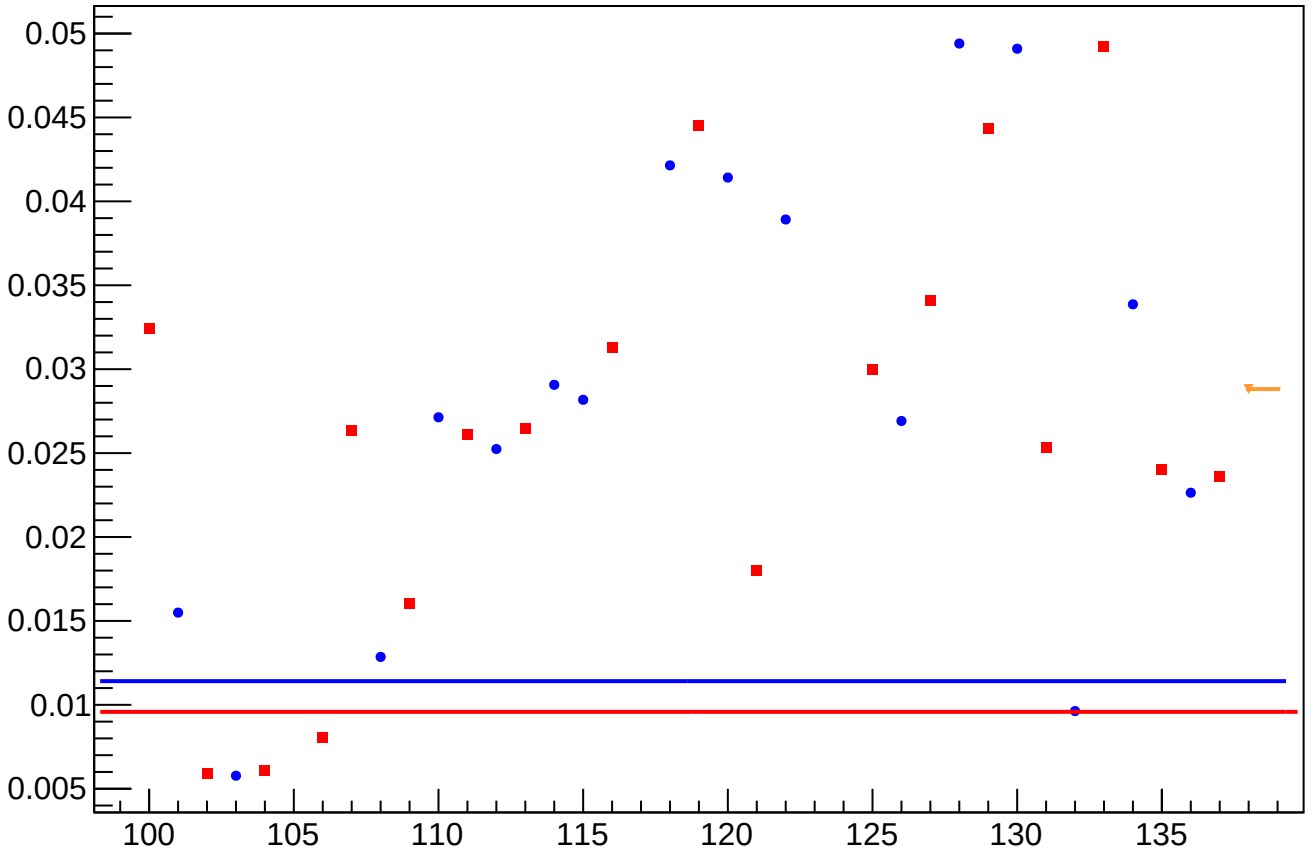
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:15.0/15

Out: -0.000+/-0.000 χ^2/NDF:18.4/18

All: -0.000+/-0.000 χ^2/NDF: 33.5/34



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.029+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.029+/-0.000 χ^2/NDF: 0.0/0

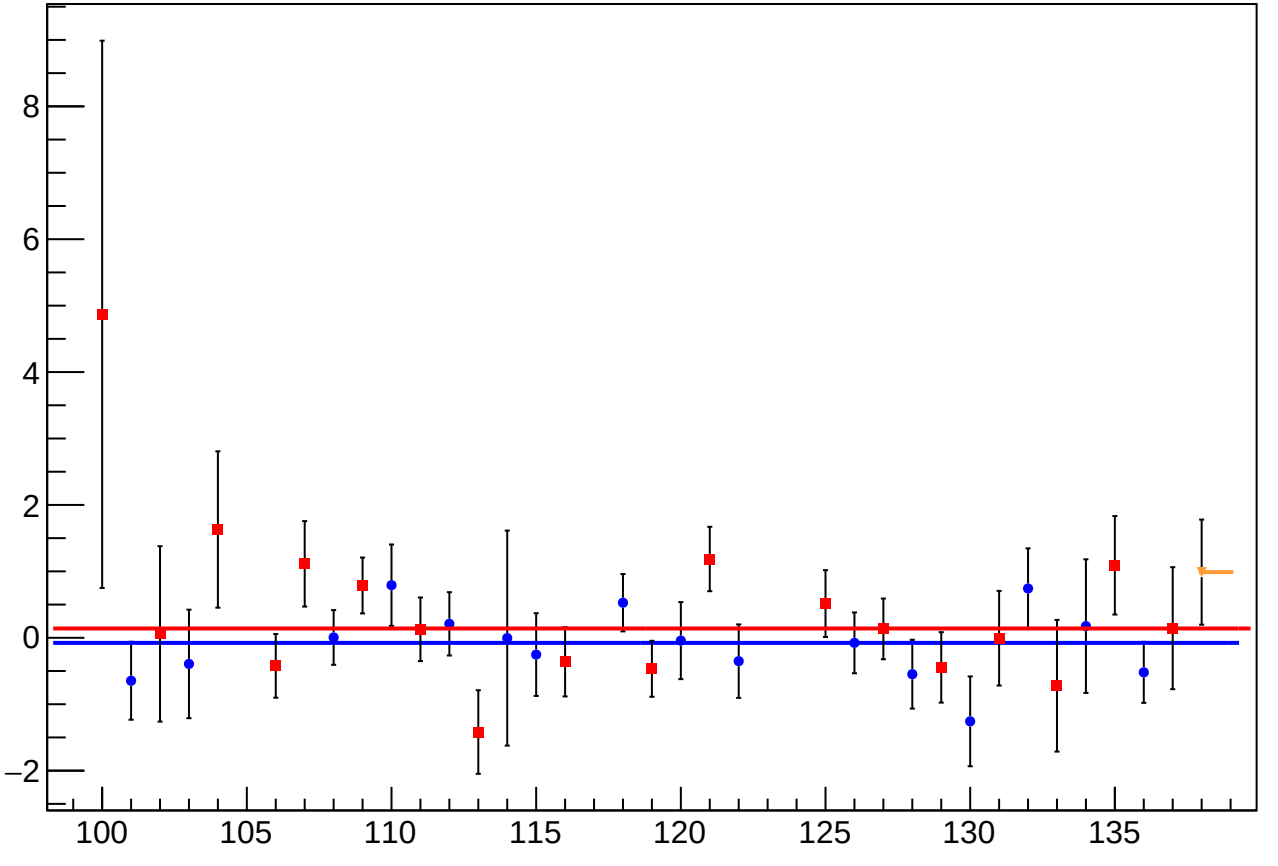
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.011+/-0.000 χ^2/NDF:5500651.2/15

Out: 0.010+/-0.000 χ^2/NDF:6450296.1/18

All: 0.011+/-0.000 χ^2/NDF: 12030157.6/34

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: 0.988+/-0.791 χ^2/NDF:0.0/0

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

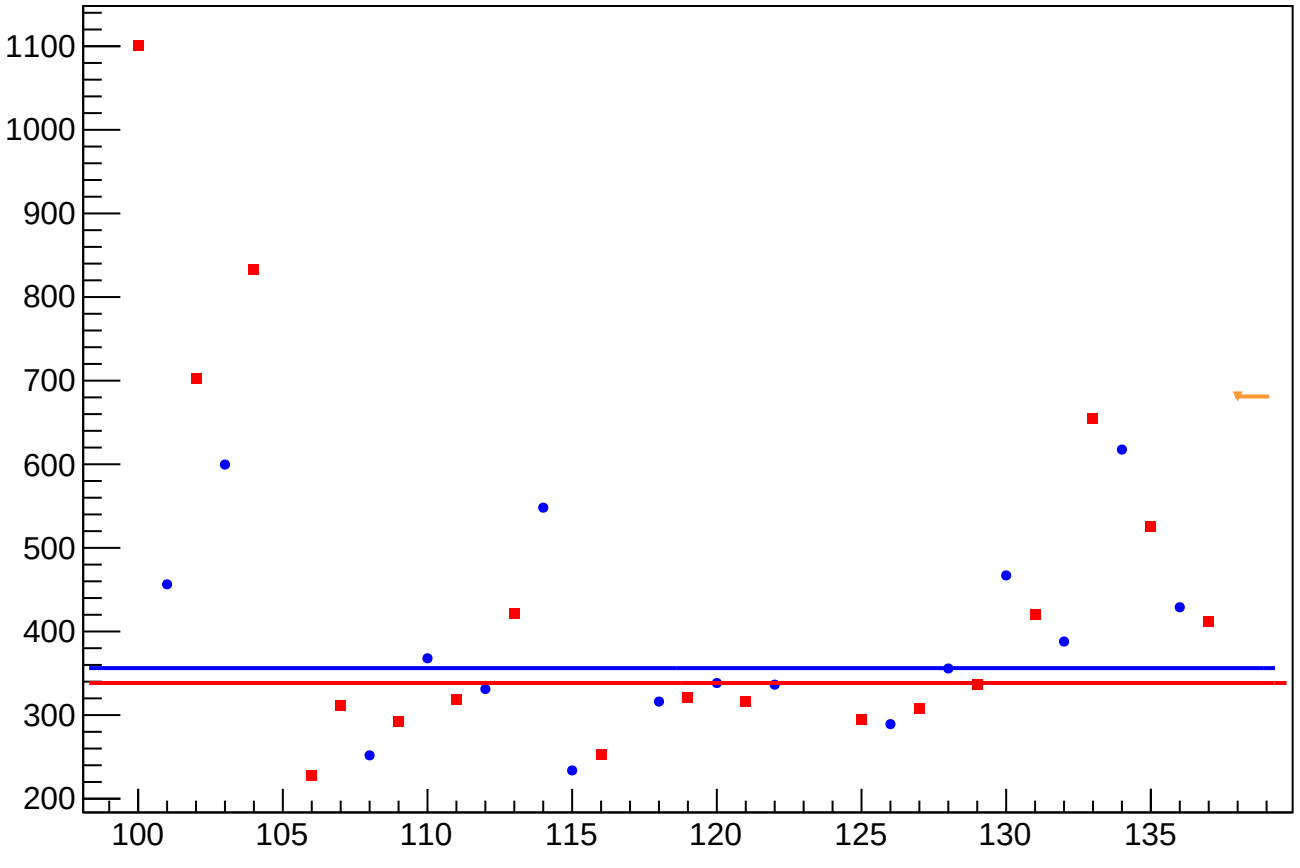
Left: 0.988+/-0.791 χ^2/NDF: 0.0/0

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.076+/-0.140 χ^2/NDF:12.5/15

Out: 0.165+/-0.136 χ^2/NDF:28.1/18

All: 0.048+/-0.097 χ^2/NDF: 42.1/34



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 681.078+/-0.559 χ^2/NDF:0.0/0

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 681.078+/-0.559 χ^2/NDF: 0.0/0

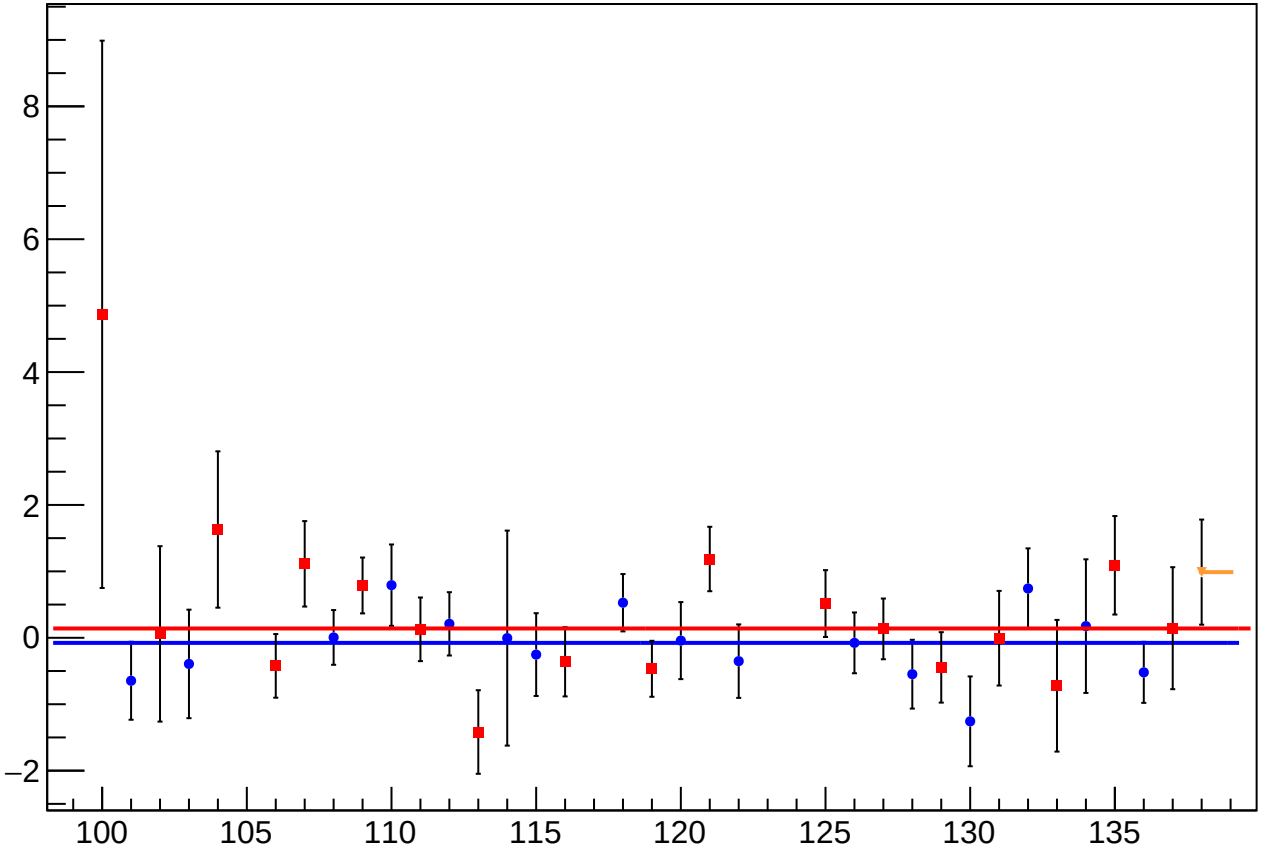
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 356.188+/-0.099 χ^2/NDF:785072.9/15

Out: 348.520+/-0.096 χ^2/NDF:1567310.9/18

All: 352.243+/-0.069 χ^2/NDF: 2355474.9/34

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: 0.988+/-0.791 χ^2/NDF:0.0/0

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.988+/-0.791 χ^2/NDF: 0.0/0

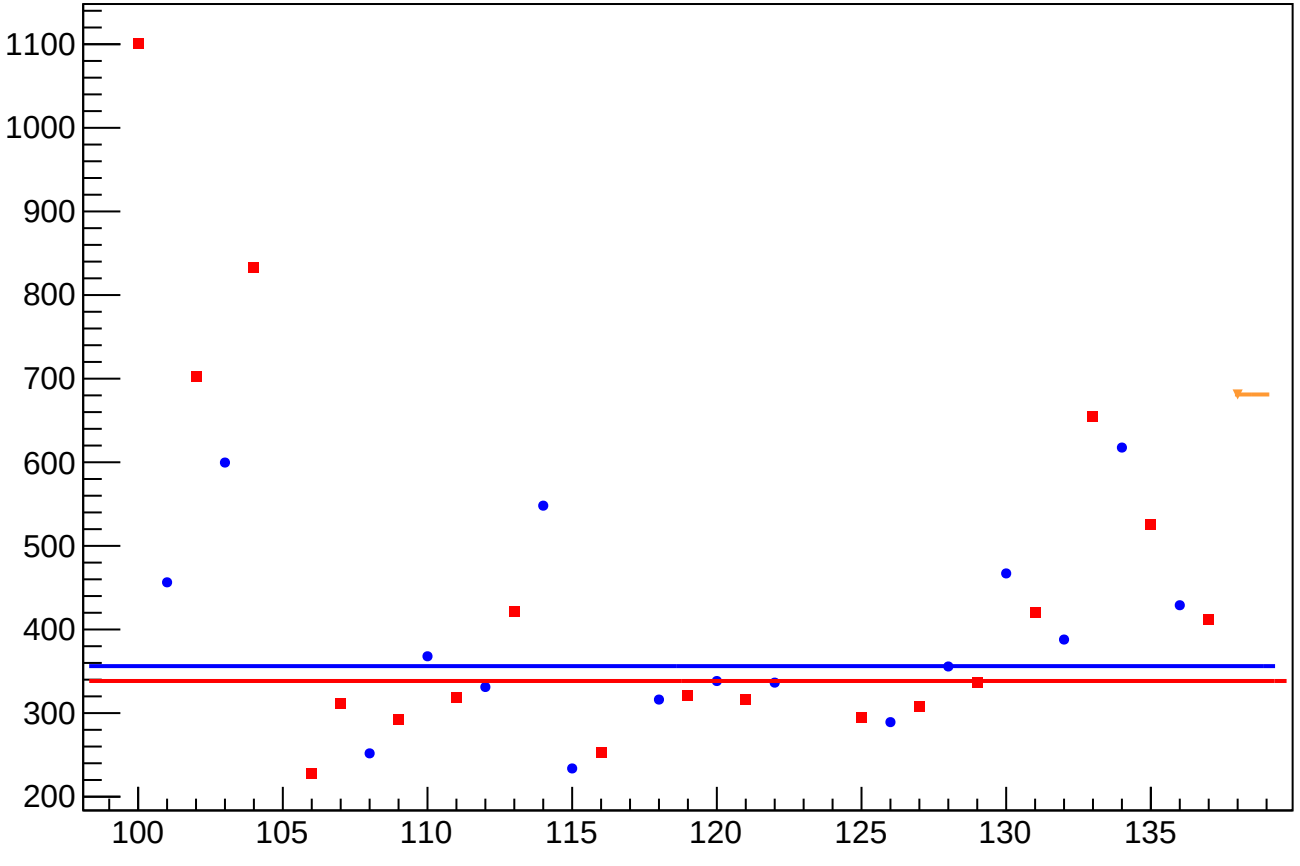
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.076+/-0.140 χ^2/NDF:12.5/15

Out: 0.165+/-0.136 χ^2/NDF:28.1/18

All: 0.048+/-0.097 χ^2/NDF: 42.1/34

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: 681.078+/-0.559 χ^2/NDF:0.0/0

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 681.078+/-0.559 χ^2/NDF: 0.0/0

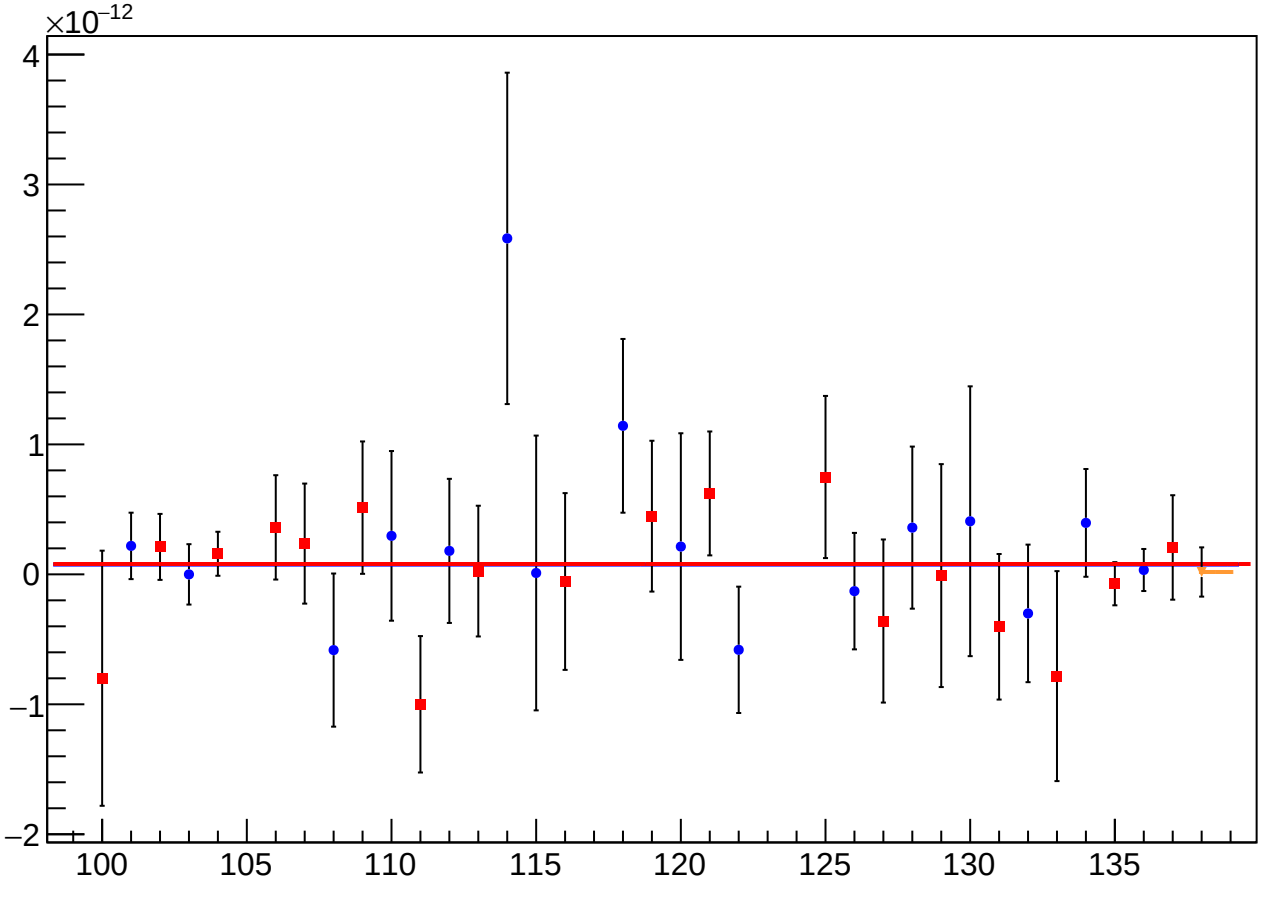
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 356.188+/-0.099 χ^2/NDF:785072.9/15

Out: 348.520+/-0.096 χ^2/NDF:1567310.9/18

All: 352.243+/-0.069 χ^2/NDF: 2355474.9/34

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:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

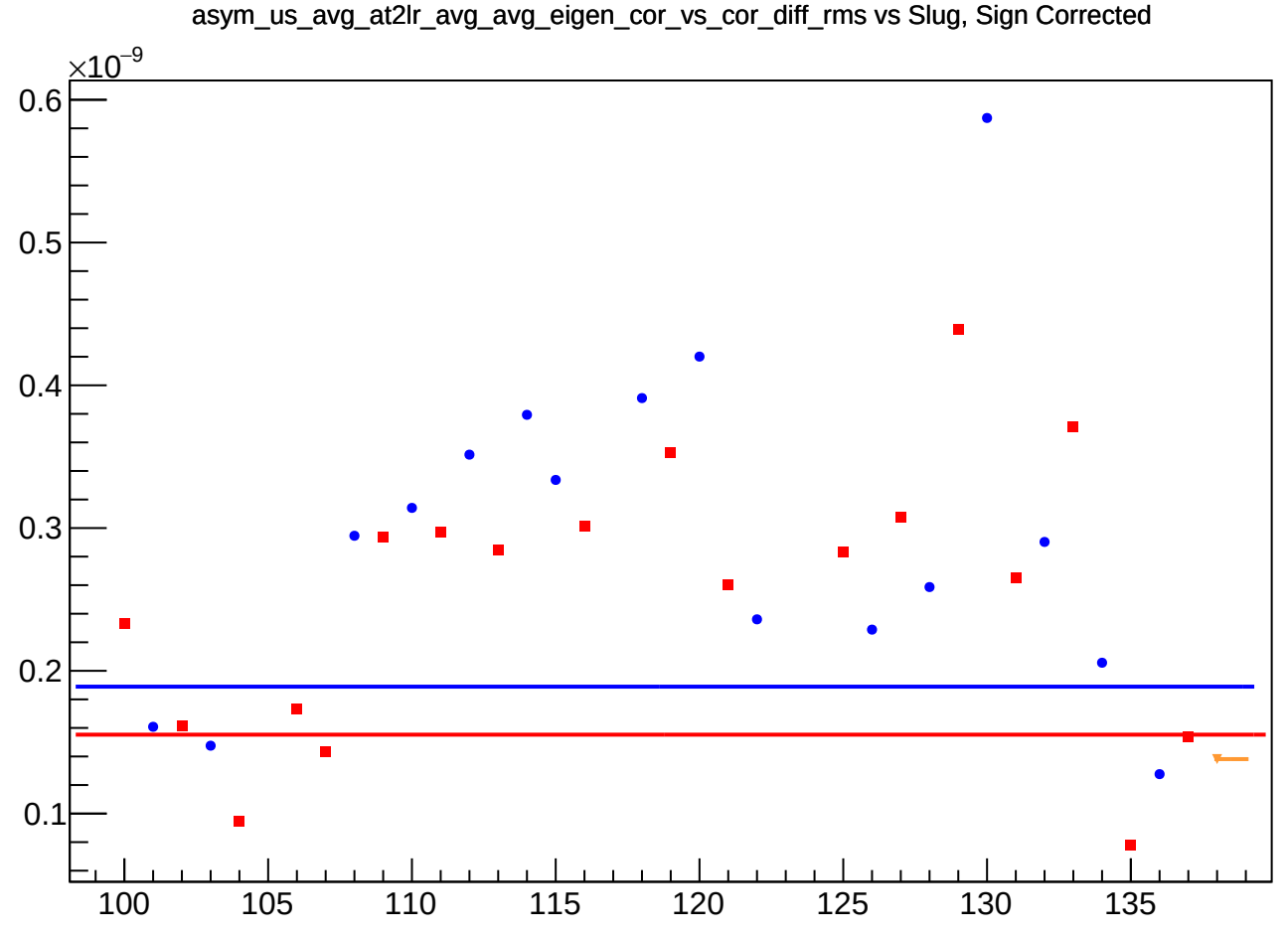
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: 0.000+/-0.000 χ^2/NDF:11.8/15

Out: 0.000+/-0.000 χ^2/NDF:13.2/18

All: 0.000+/-0.000 χ^2/NDF: 24.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

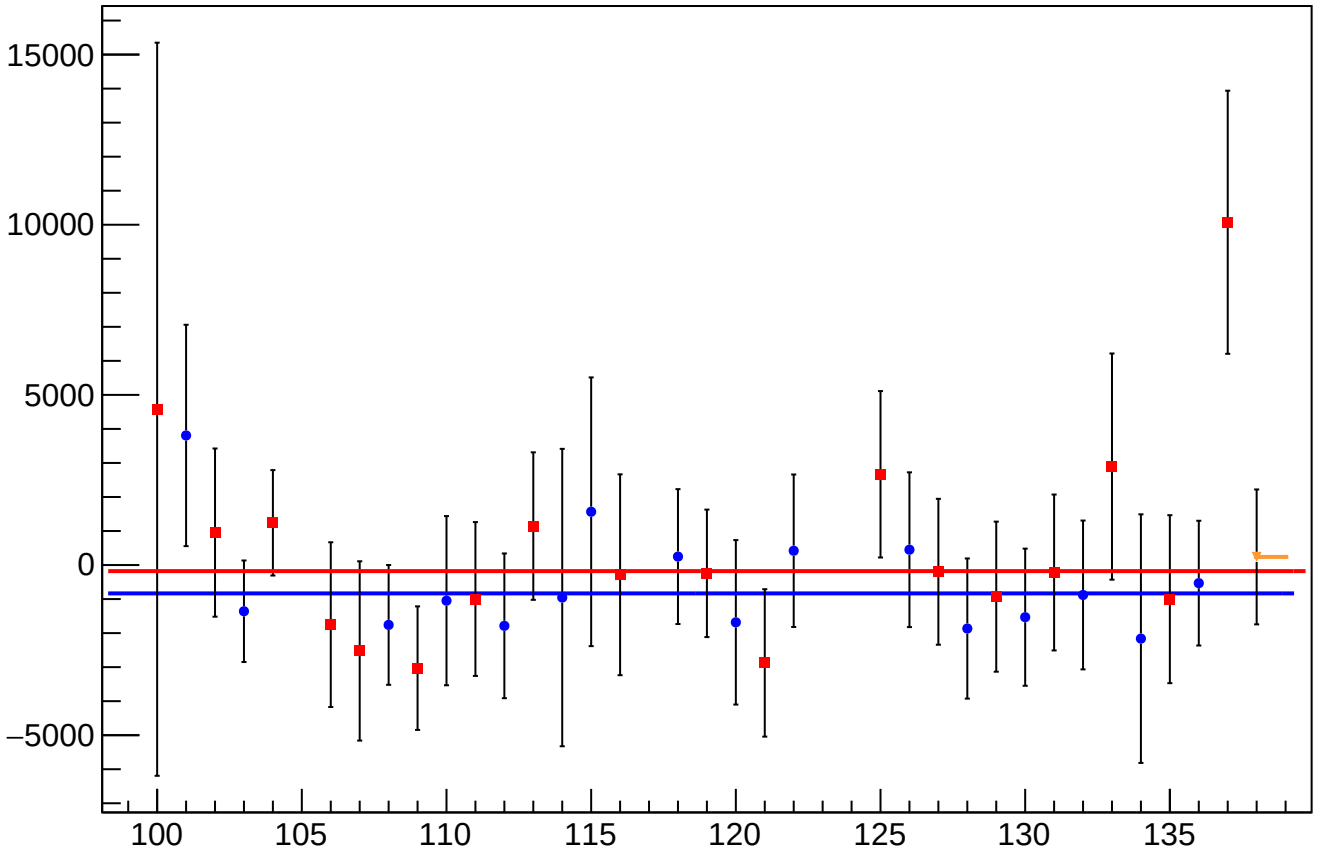
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:1520620.9/15

Out: 0.000+/-0.000 χ^2/NDF:2214252.4/18

All: 0.000+/-0.000 χ^2/NDF: 3908648.2/34



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 239.003+/-1982.179 χ^2/NDF:0.0/0

Right Out: -178.292+/-547.824 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

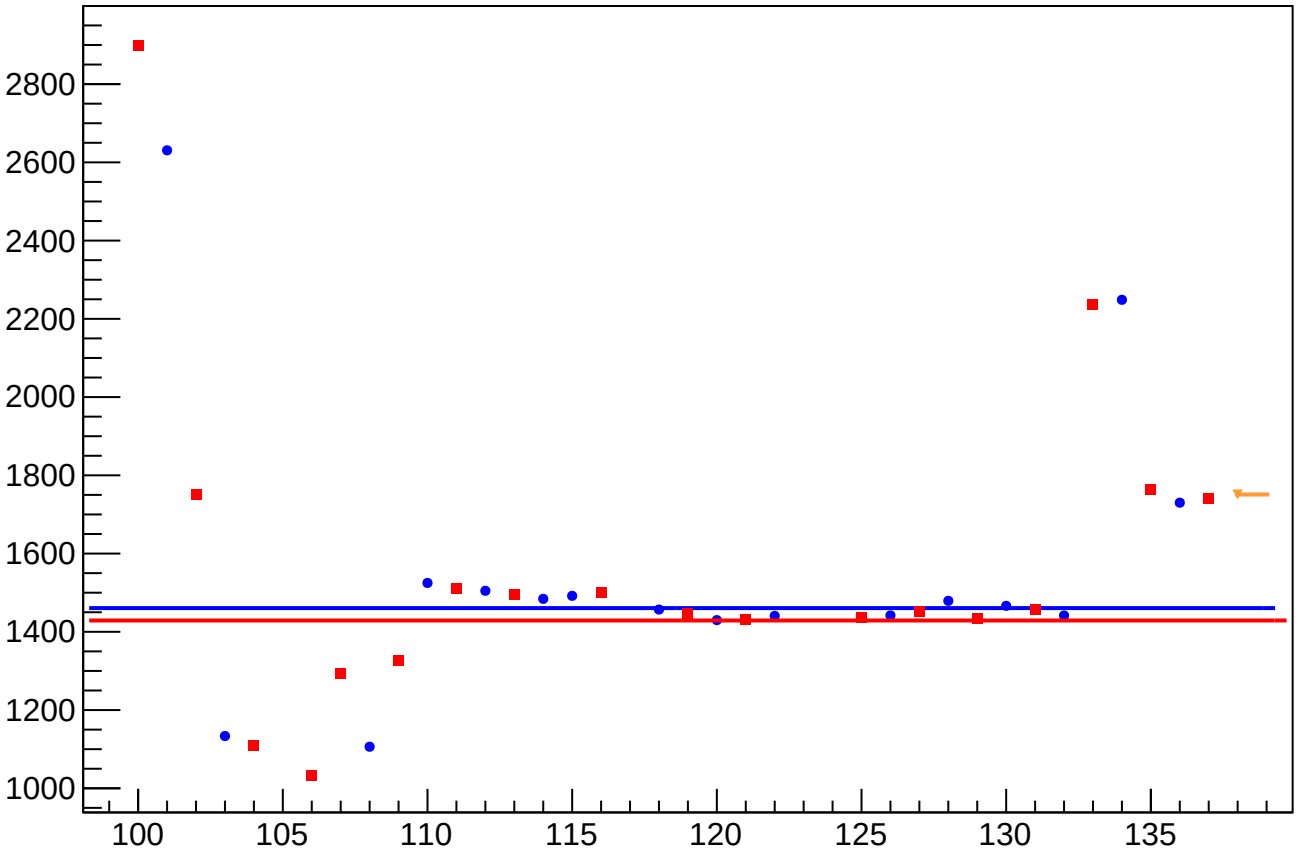
Left: 239.003+/-1982.179 χ^2/NDF: 0.0/0

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -833.479+/-554.833 χ^2/NDF:4.6/15

Out: -148.680+/-528.028 χ^2/NDF:16.5/18

All: -474.139+/-382.498 χ^2/NDF: 21.9/34



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1751.007+/-1.402 χ^2/NDF:0.0/0

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1751.007+/-1.402 χ^2/NDF: 0.0/0

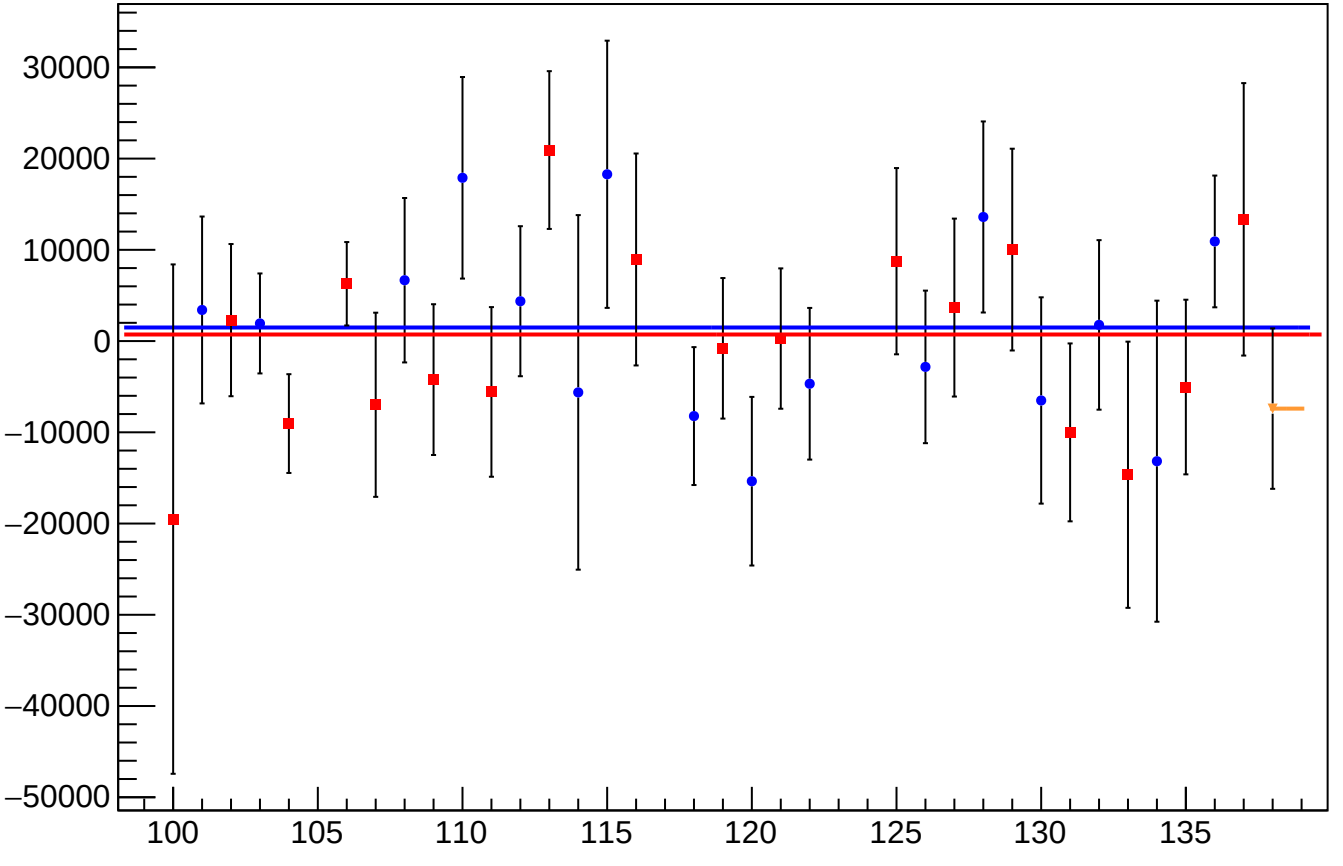
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1460.653+/-0.392 χ^2/NDF:575736.1/15

Out: 1451.482+/-0.371 χ^2/NDF:460380.6/18

All: 1455.809+/-0.269 χ^2/NDF: 1036405.3/34

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: -7403.360+/-8792.658 χ^2/NDF:0.0/0

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -7403.360+/-8792.658 χ^2/NDF: 0.0/0

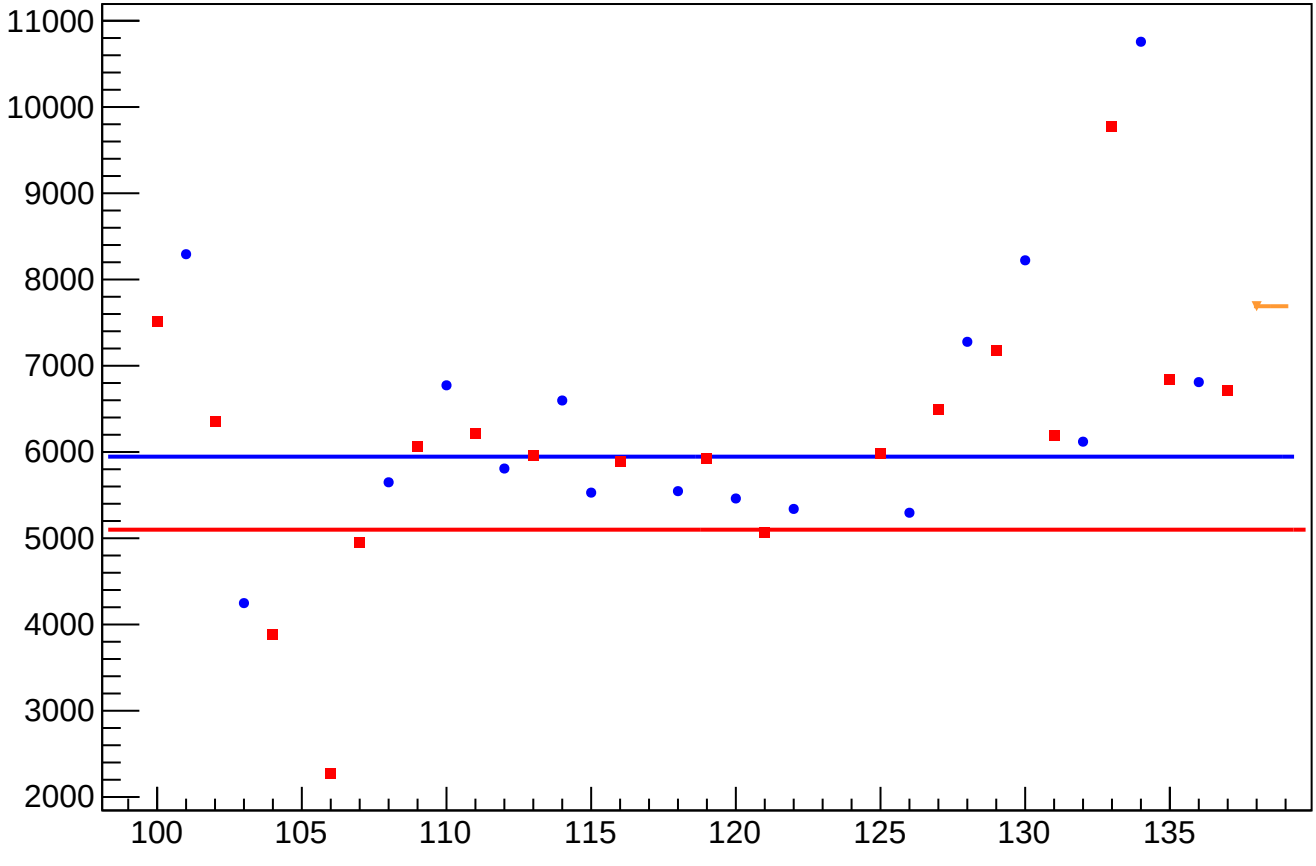
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 1487.438+/-2268.028 χ^2/NDF:14.2/15

Out: 316.136+/-1960.897 χ^2/NDF:18.3/18

All: 817.166+/-1483.358 χ^2/NDF: 32.7/34

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: 7690.200+/-6.217 χ^2/NDF:0.0/0

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

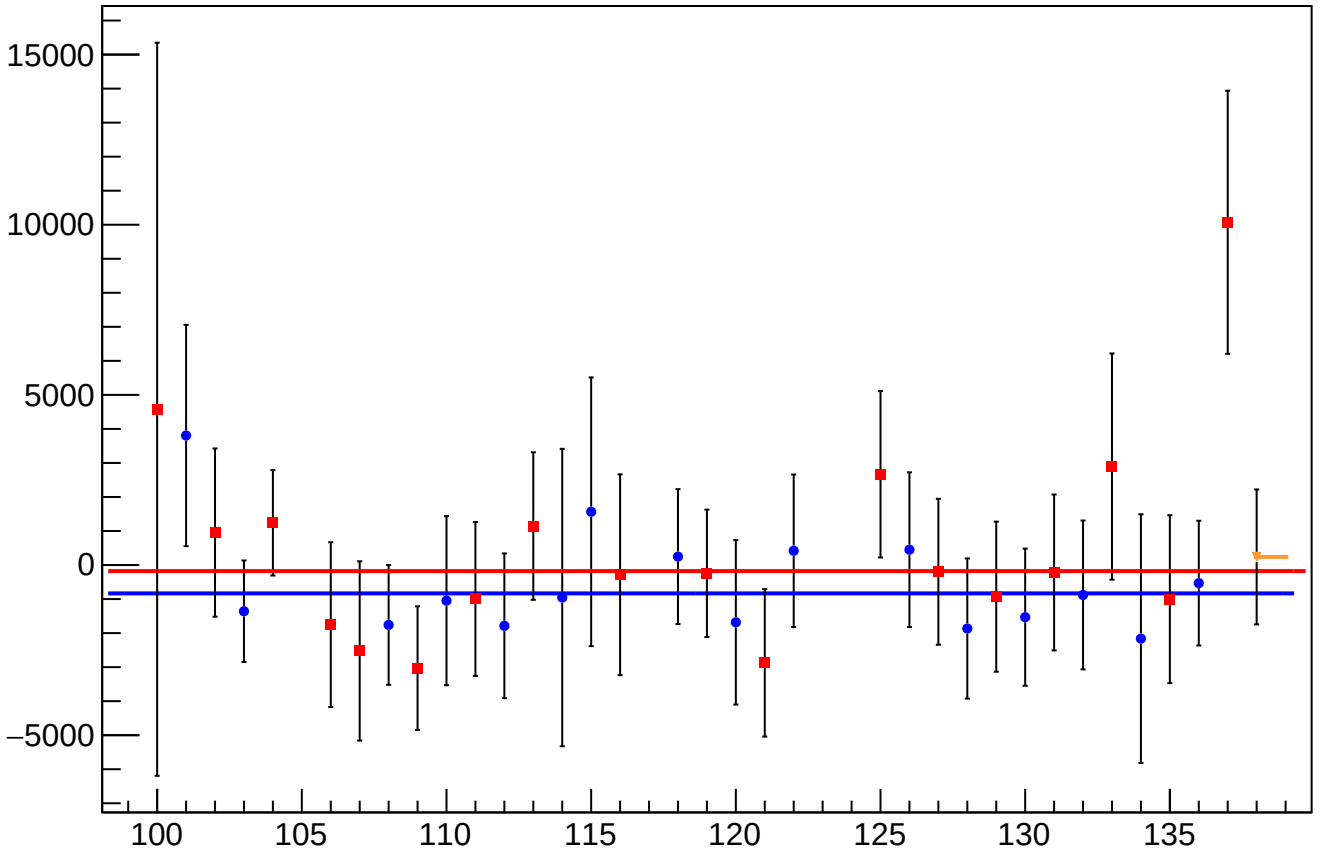
Left: 7690.200+/-6.217 χ^2/NDF: 0.0/0

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 5946.080+/-1.604 χ^2/NDF:641131.4/15

Out: 5228.231+/-1.387 χ^2/NDF:1645377.3/18

All: 5535.294+/-1.049 χ^2/NDF: 2401160.4/34



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 238.834+/-1982.179 χ^2/NDF:0.0/0

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

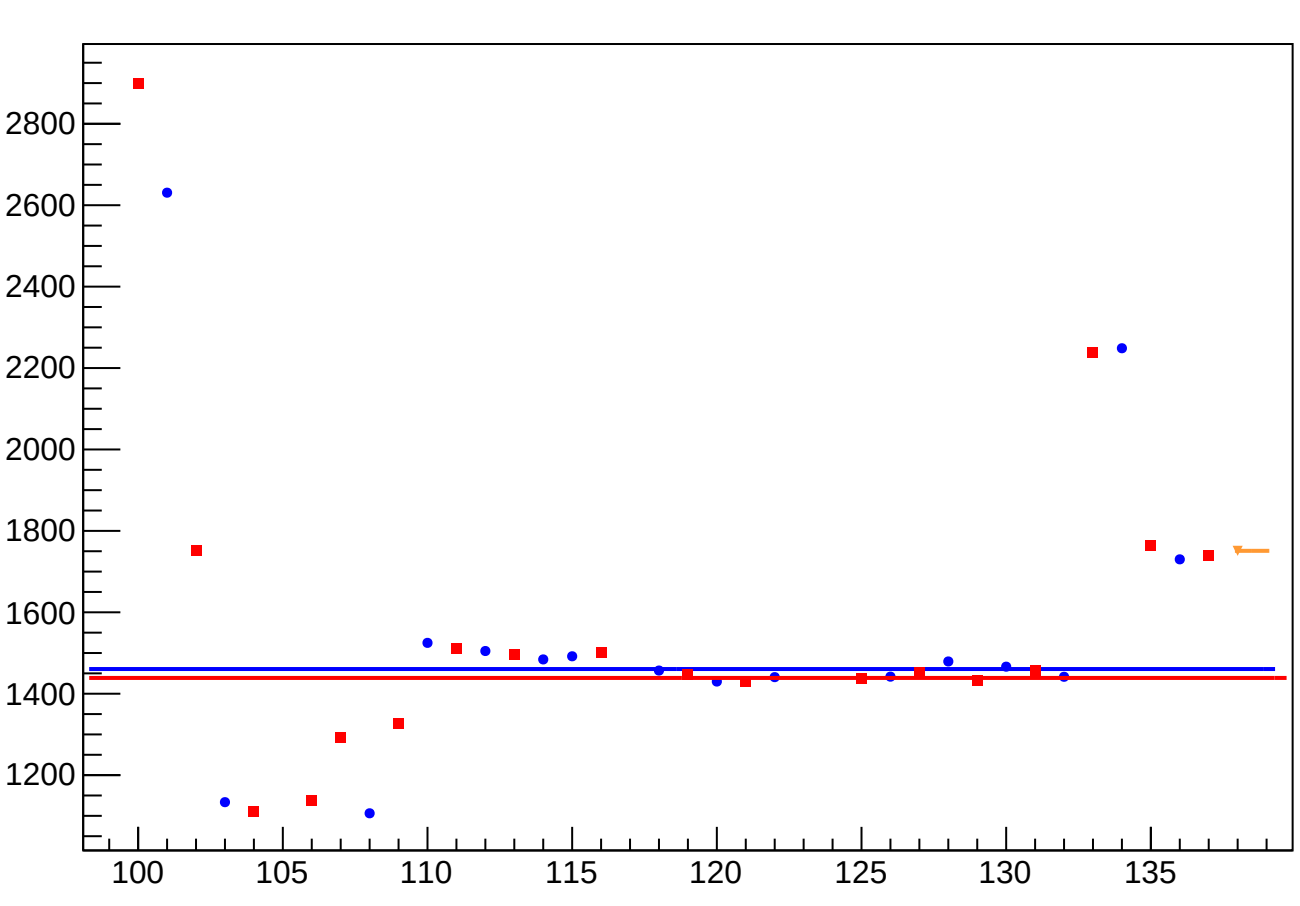
Left: 238.834+/-1982.179 χ^2/NDF: 0.0/0

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -833.542+/-554.833 χ^2/NDF:4.6/15

Out: -148.544+/-528.028 χ^2/NDF:16.5/18

All: -474.097+/-382.498 χ^2/NDF: 21.9/34



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1751.008+/-0.402 χ^2/NDF:0.0/0

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

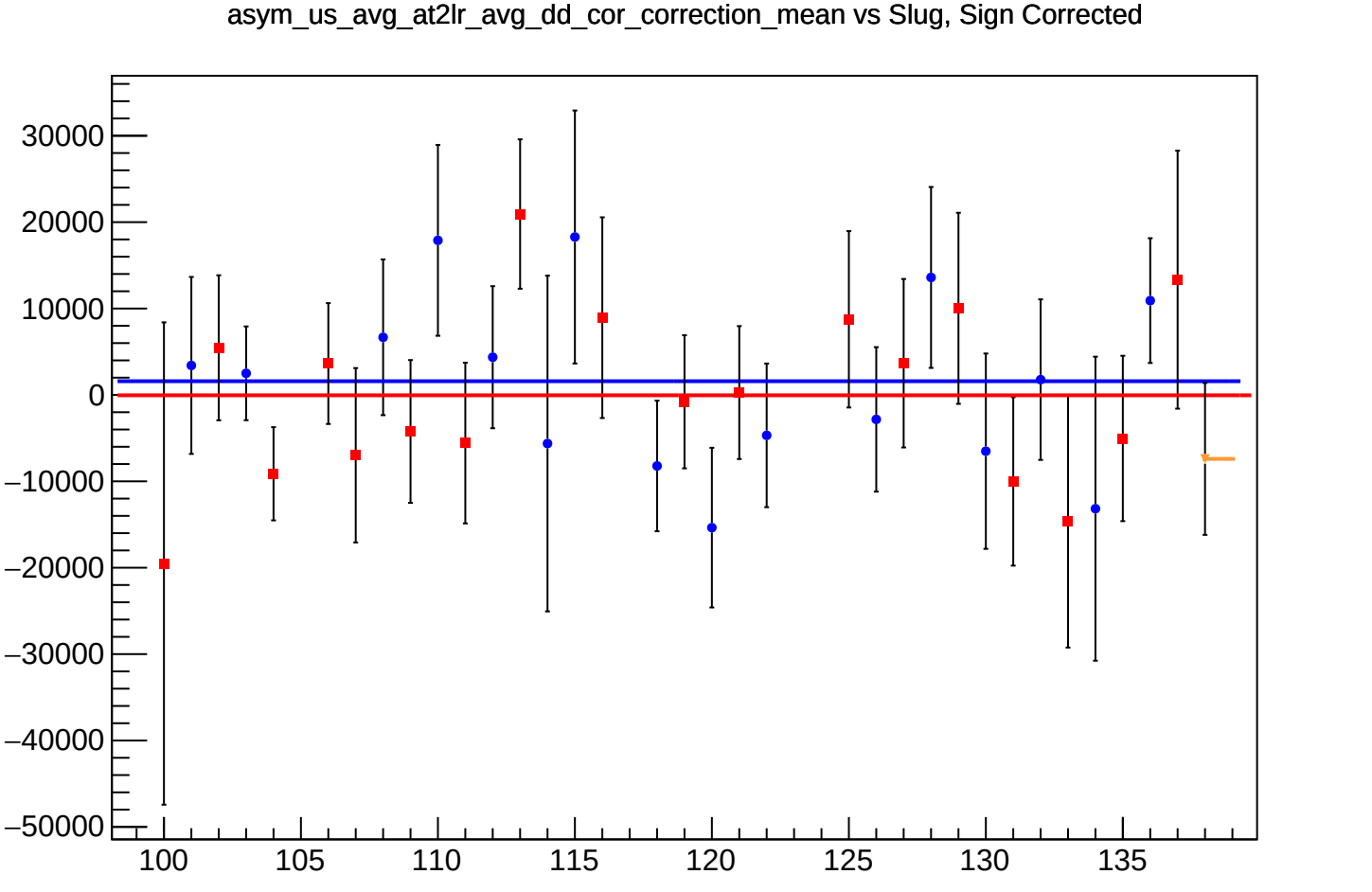
Left: 1751.008+/-1.402 χ^2/NDF: 0.0/0

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1460.653+/-0.392 χ^2/NDF:575736.3/15

Out: 1460.827+/-0.373 χ^2/NDF:419497.4/18

All: 1460.745+/-0.270 χ^2/NDF: 995233.8/34



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -7403.501+/-8792.648 χ^2/NDF:0.0/0

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -7403.501+/-8792.648 χ^2/NDF: 0.0/0

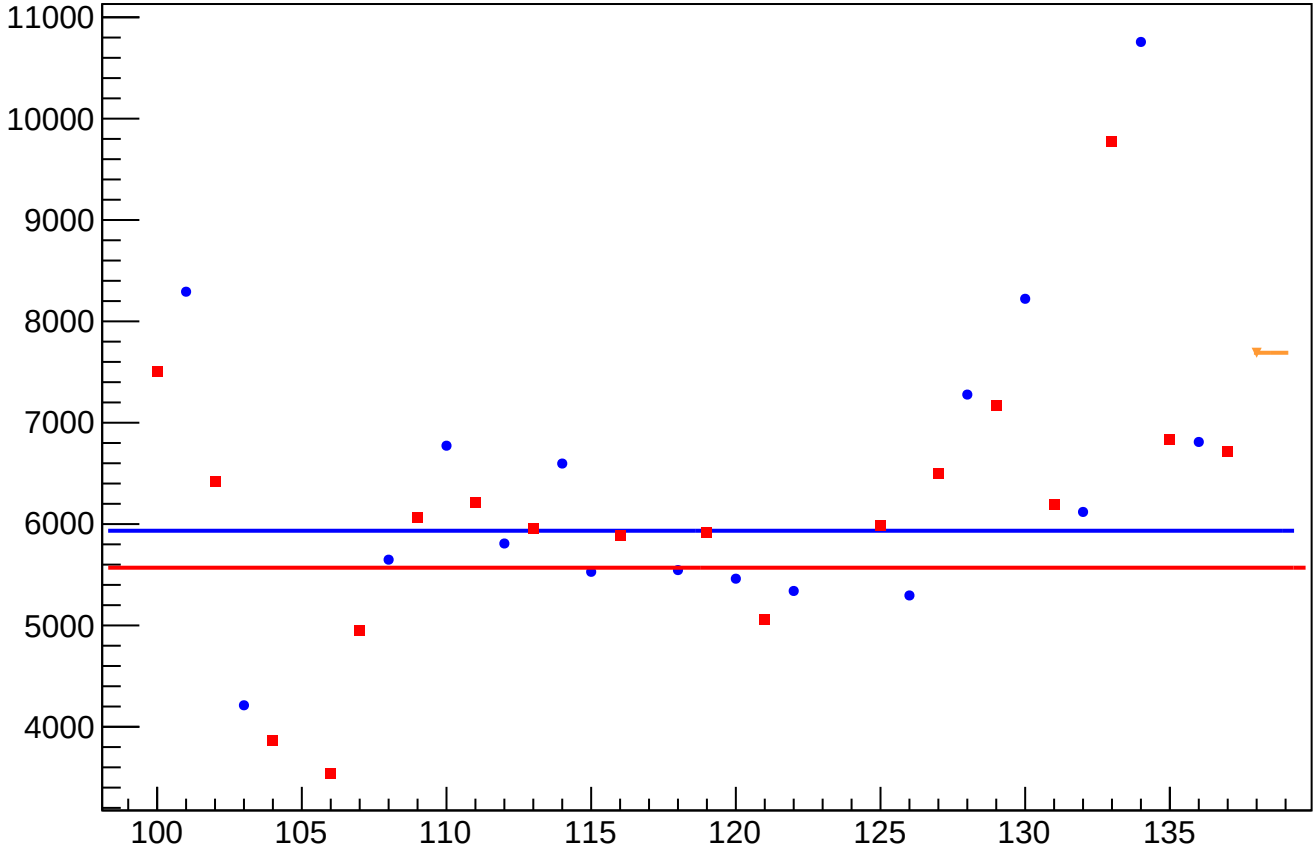
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 1588.655+/-2264.260 χ^2/NDF:14.2/15

Out: -449.875+/-2072.914 χ^2/NDF:17.1/18

All: 479.629+/-1528.951 χ^2/NDF: 31.8/34

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: 7690.191+/-6.217 χ^2/NDF:0.0/0

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

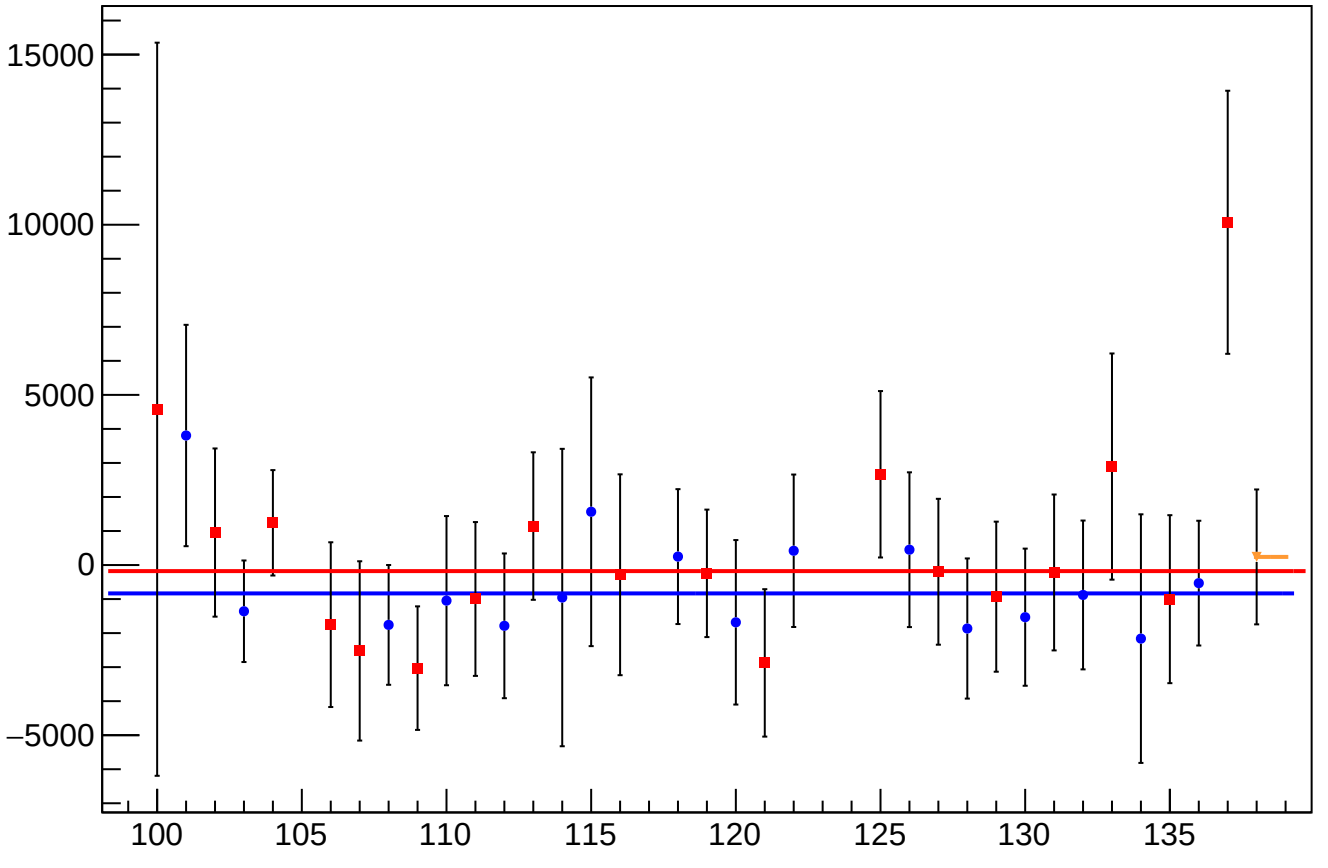
Left: 7690.191+/-6.217 χ^2/NDF: 0.0/0

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 5934.209+/-1.601 χ^2/NDF:653082.9/15

Out: 5687.469+/-1.466 χ^2/NDF:833915.7/18

All: 5799.975+/-1.081 χ^2/NDF: 1499919.1/34



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 238.834+/-1982.179 χ^2/NDF:0.0/0

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

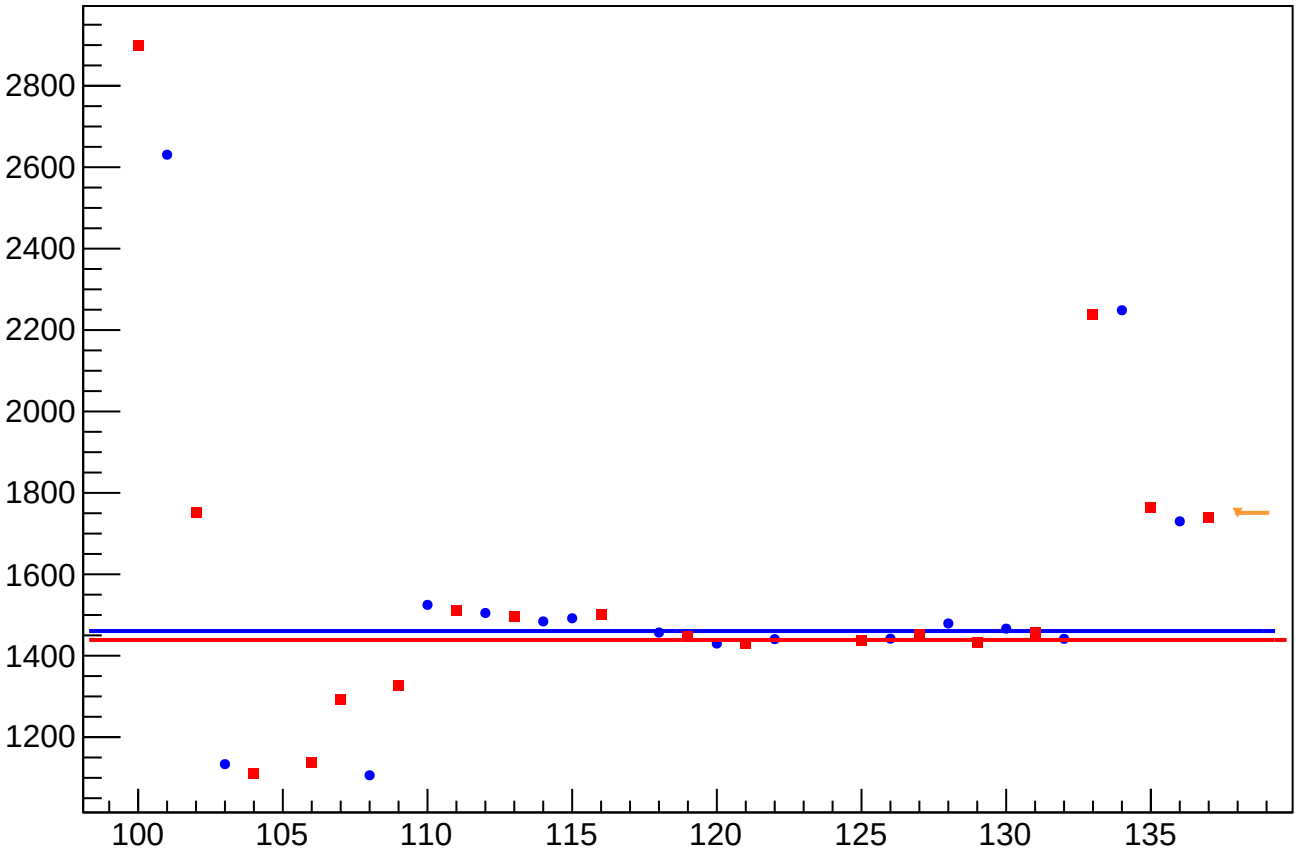
Left: 238.834+/-1982.179 χ^2/NDF: 0.0/0

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -833.542+/-554.833 χ^2/NDF:4.6/15

Out: -148.544+/-528.028 χ^2/NDF:16.5/18

All: -474.097+/-382.498 χ^2/NDF: 21.9/34



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1751.008+/-1.402 χ^2/NDF:0.0/0

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

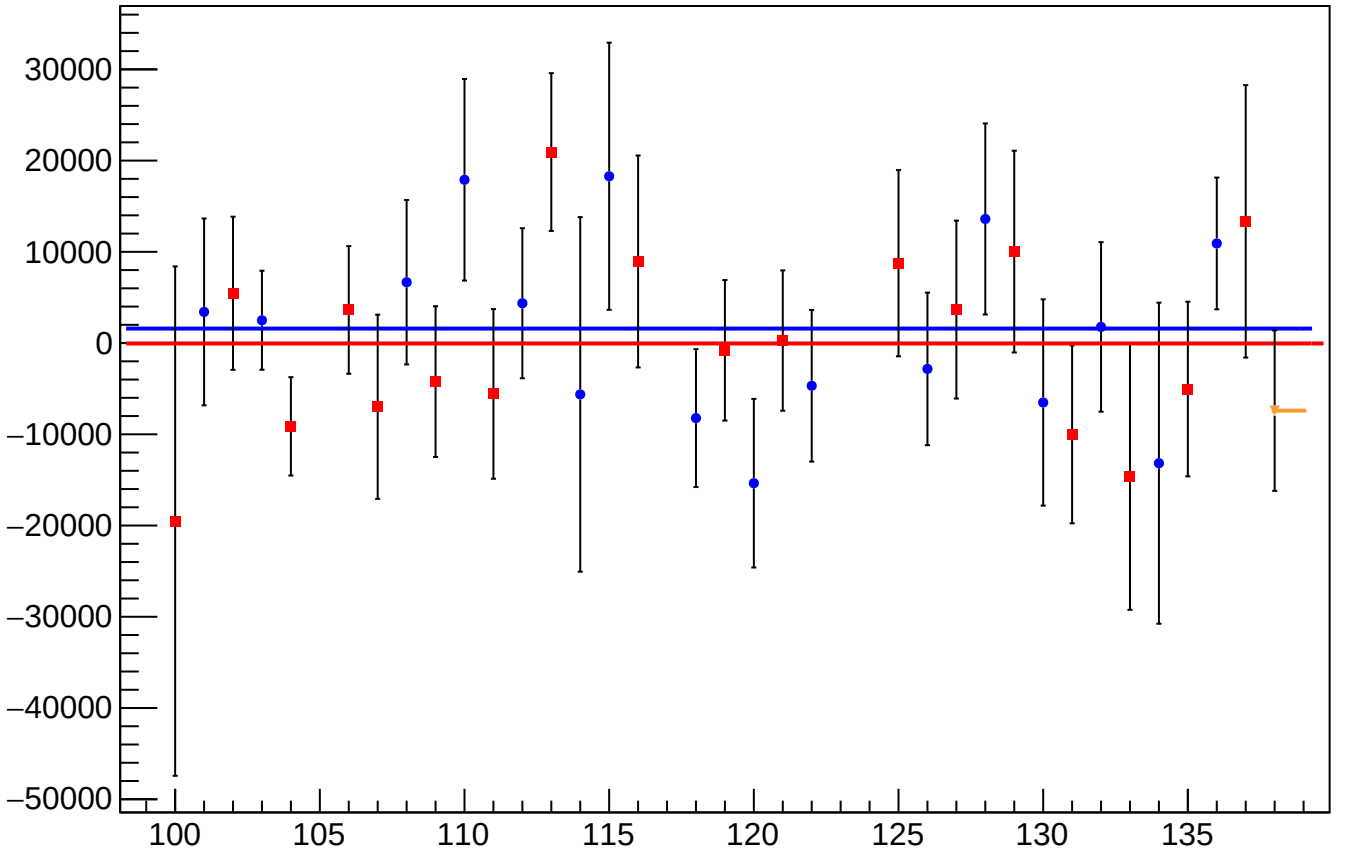
Left: 1751.008+/-1.402 χ^2/NDF: 0.0/0

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1460.653+/-0.392 χ^2/NDF:575736.3/15

Out: 1460.827+/-0.373 χ^2/NDF:419497.4/18

All: 1460.745+/-0.270 χ^2/NDF: 995233.8/34



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -7403.501+/-8792.648 χ^2/NDF:0.0/0

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -7403.501+/-8792.648 χ^2/NDF: 0.0/0

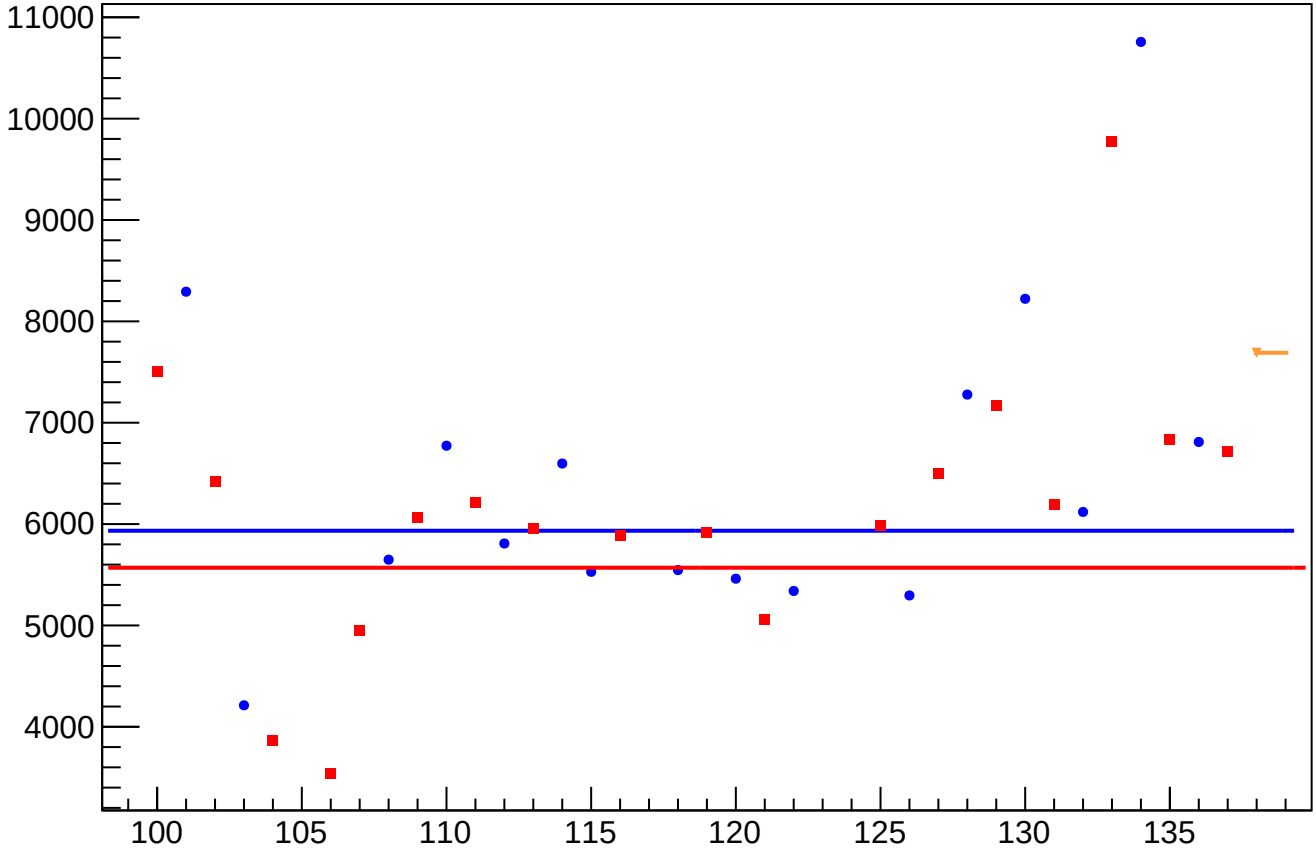
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 1588.655+/-2264.260 χ^2/NDF:14.2/15

Out: -449.875+/-2072.914 χ^2/NDF:17.1/18

All: 479.629+/-1528.951 χ^2/NDF: 31.8/34

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: 7690.191+/-6.217 χ^2/NDF:0.0/0

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

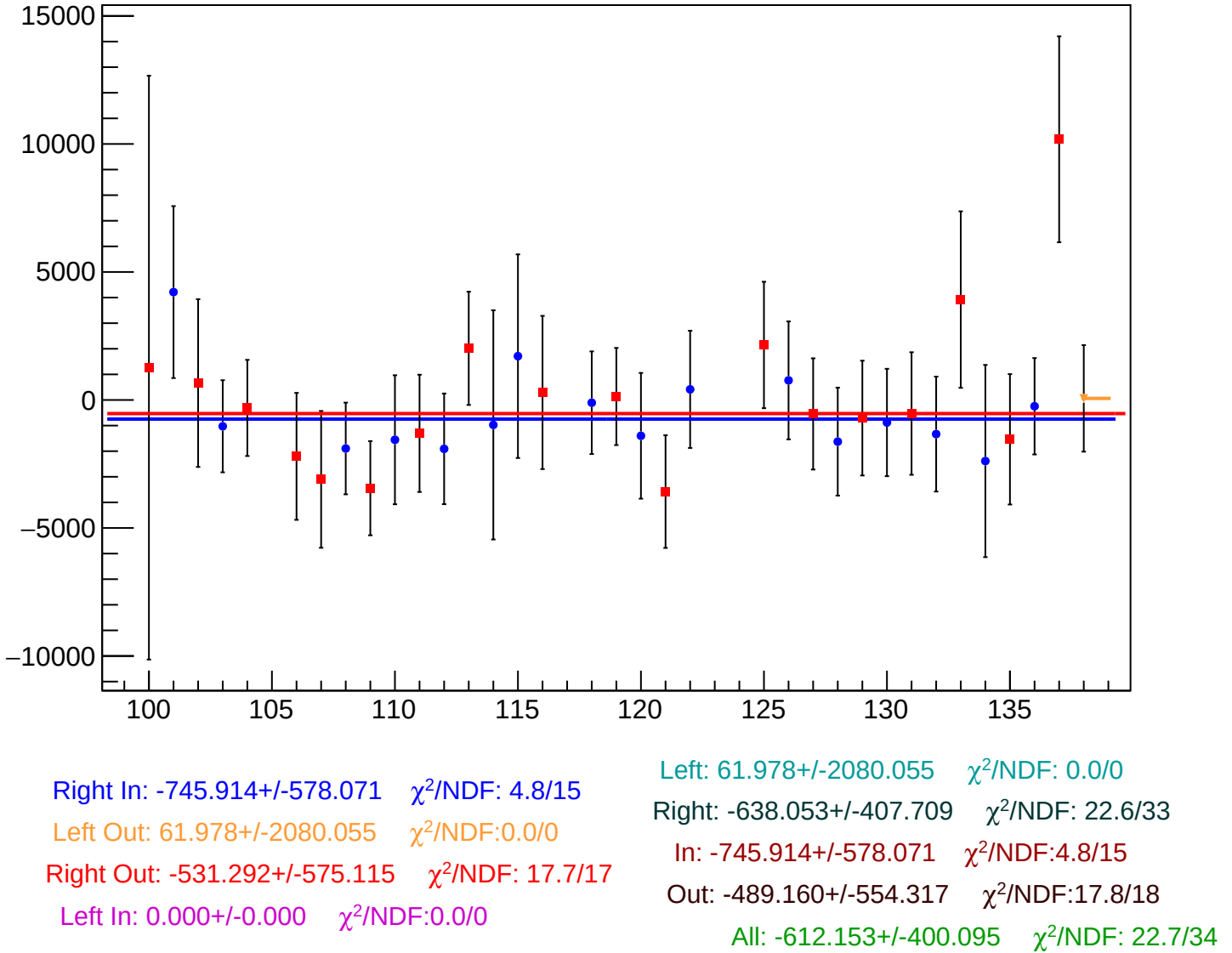
Left: 7690.191+/-6.217 χ^2/NDF: 0.0/0

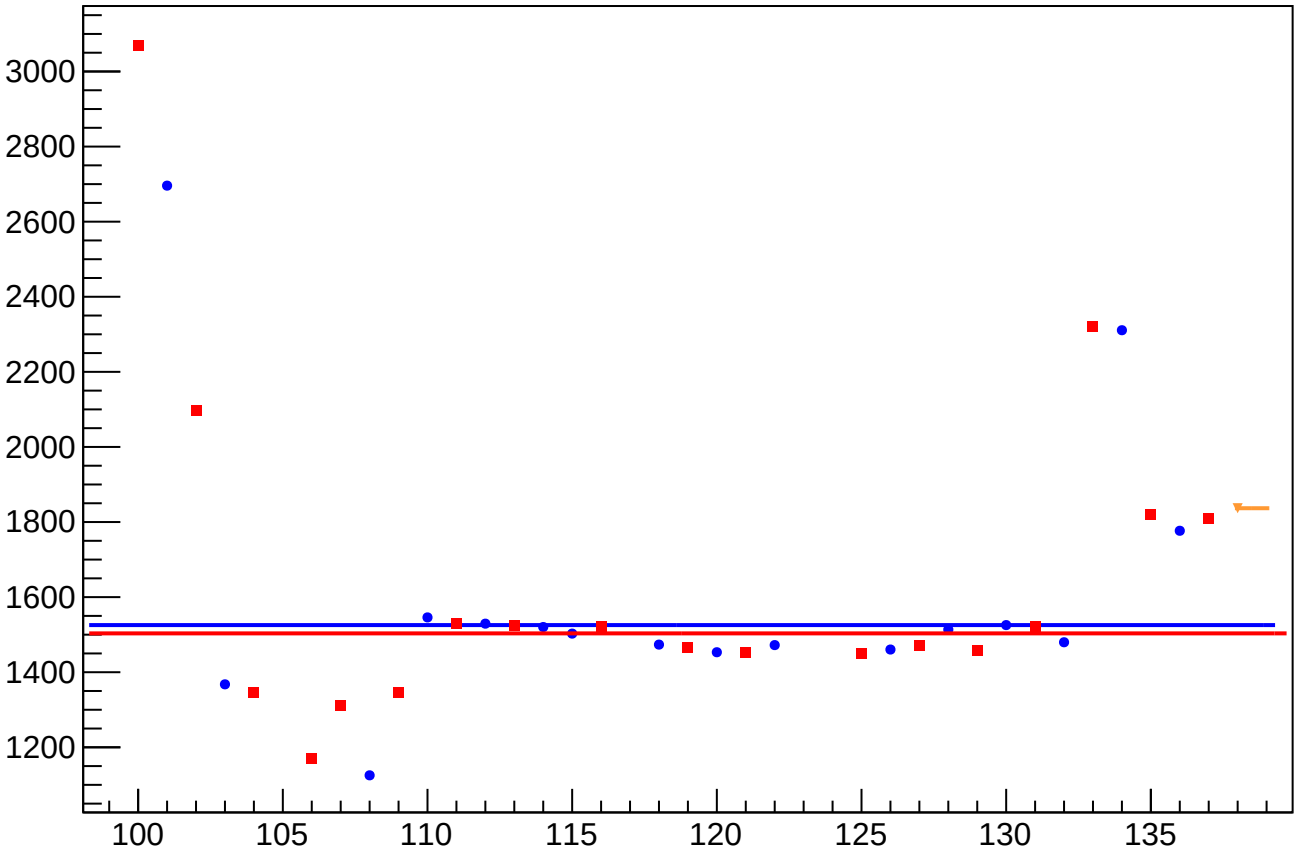
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 5934.209+/-1.601 χ^2/NDF:653082.9/15

Out: 5687.469+/-1.466 χ^2/NDF:833915.7/18

All: 5799.975+/-1.081 χ^2/NDF: 1499919.1/34


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 61.978+/-2080.055 χ²/NDF:0.0/0
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 61.978+/-2080.055 χ²/NDF: 0.0/0
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -745.914+/-578.071 χ²/NDF:4.8/15
Out: -489.160+/-554.317 χ²/NDF:17.8/18
All: -612.153+/-400.095 χ²/NDF: 22.7/34



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1836.784+/-1.471 χ^2/NDF:0.0/0

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

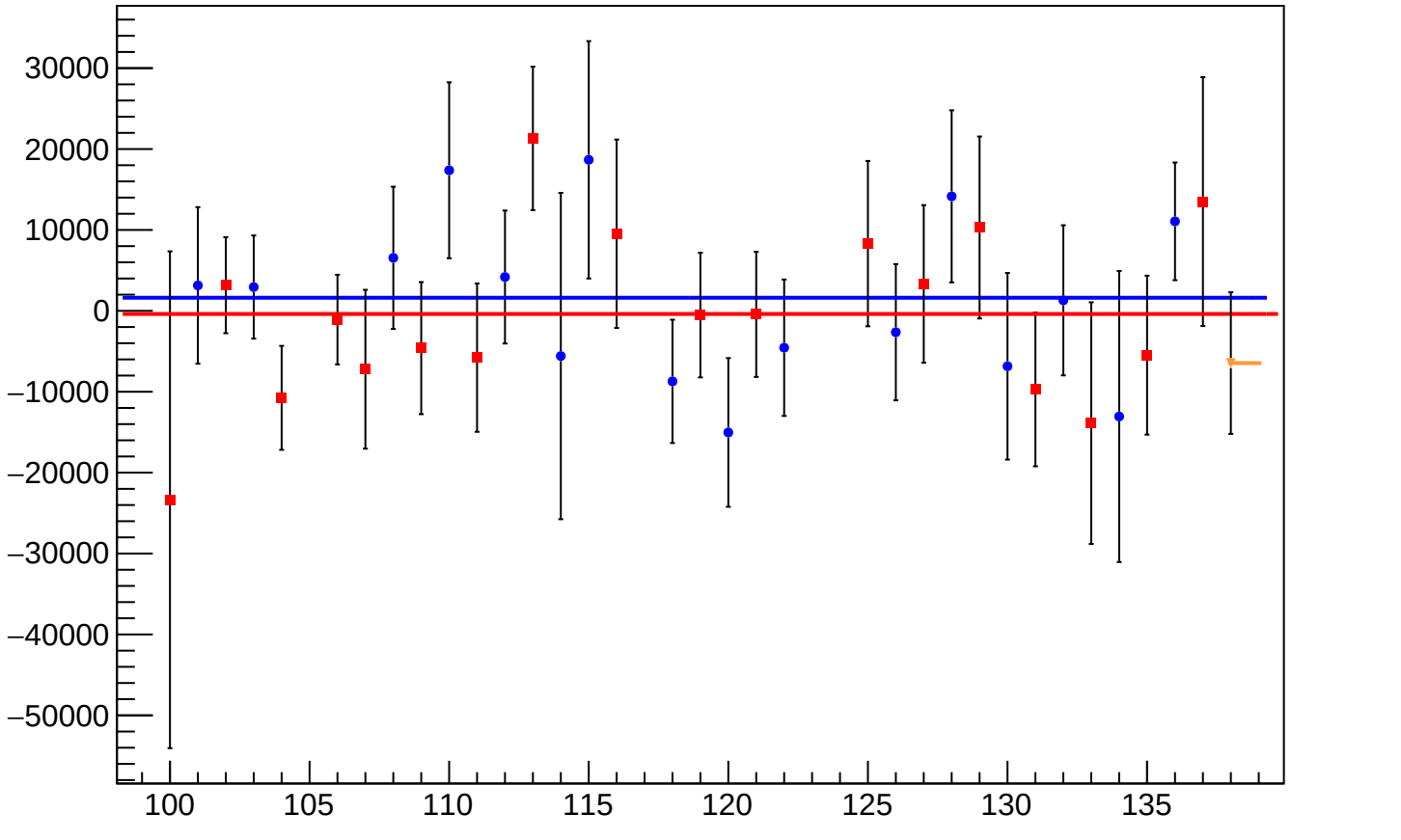
Left: 1836.784+/-1.471 χ^2/NDF: 0.0/0

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1525.536+/-0.409 χ^2/NDF:488328.2/15

Out: 1527.095+/-0.392 χ^2/NDF:386227.9/18

All: 1526.348+/-0.283 χ^2/NDF: 874563.7/34



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -6456.728+/-8753.582 χ^2/NDF:0.0/0

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -6456.728+/-8753.582 χ^2/NDF: 0.0/0

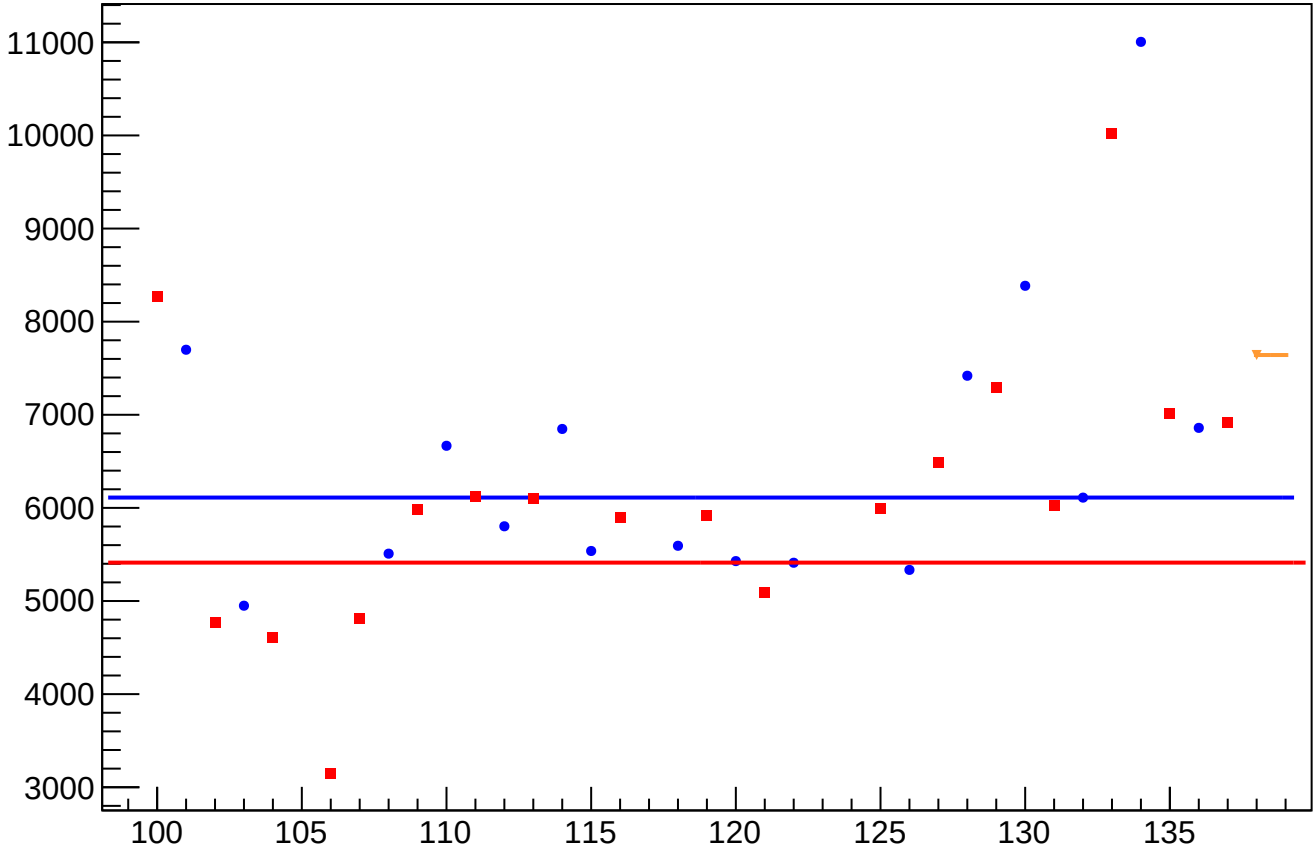
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 1620.058+/-2320.032 χ^2/NDF:14.3/15

Out: -704.761+/-2006.022 χ^2/NDF:16.5/18

All: 289.784+/-1517.441 χ^2/NDF: 31.3/34

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: 7641.773+/-6.190 χ^2/NDF:0.0/0

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

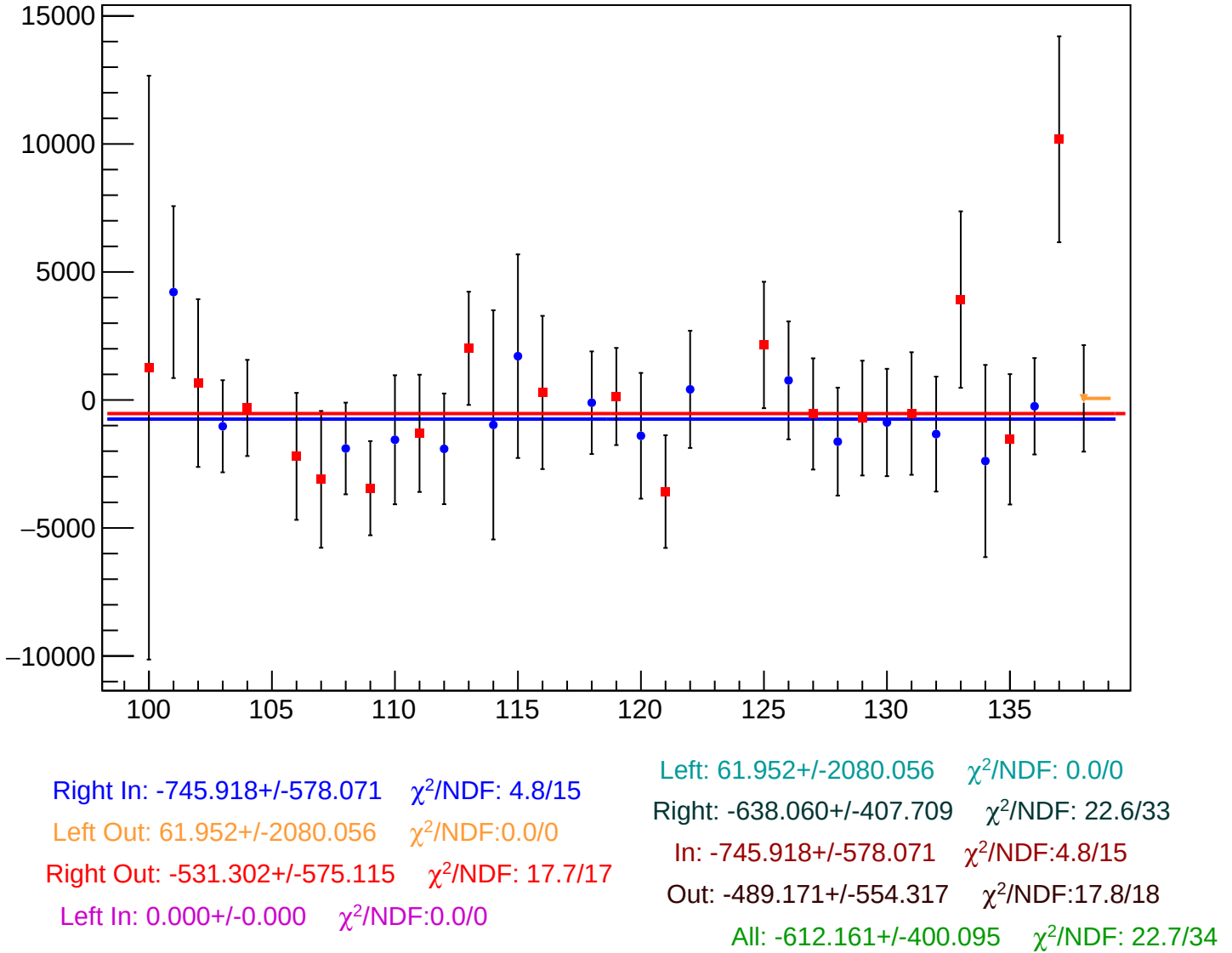
Left: 7641.773+/-6.190 χ^2/NDF: 0.0/0

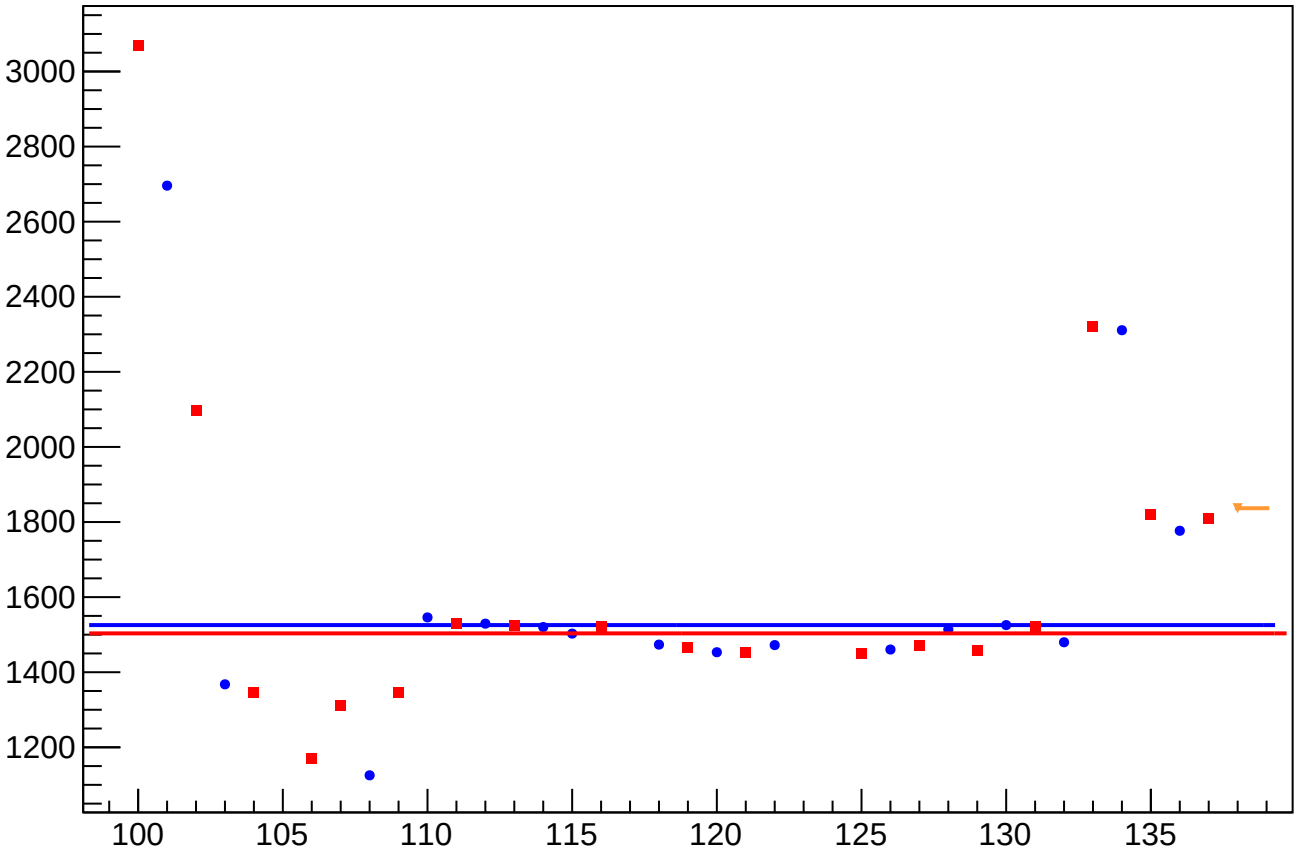
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6111.037+/-1.641 χ^2/NDF:471661.4/15

Out: 5529.362+/-1.418 χ^2/NDF:944456.3/18

All: 5778.200+/-1.073 χ^2/NDF: 1488054.8/34


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 61.952+/-2080.056 χ²/NDF:0.0/0
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 61.952+/-2080.056 χ²/NDF: 0.0/0
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -745.918+/-578.071 χ²/NDF:4.8/15
Out: -489.171+/-554.317 χ²/NDF:17.8/18
All: -612.161+/-400.095 χ²/NDF: 22.7/34



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1836.785+/-1.471 χ^2/NDF:0.0/0

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1836.785+/-1.471 χ^2/NDF: 0.0/0

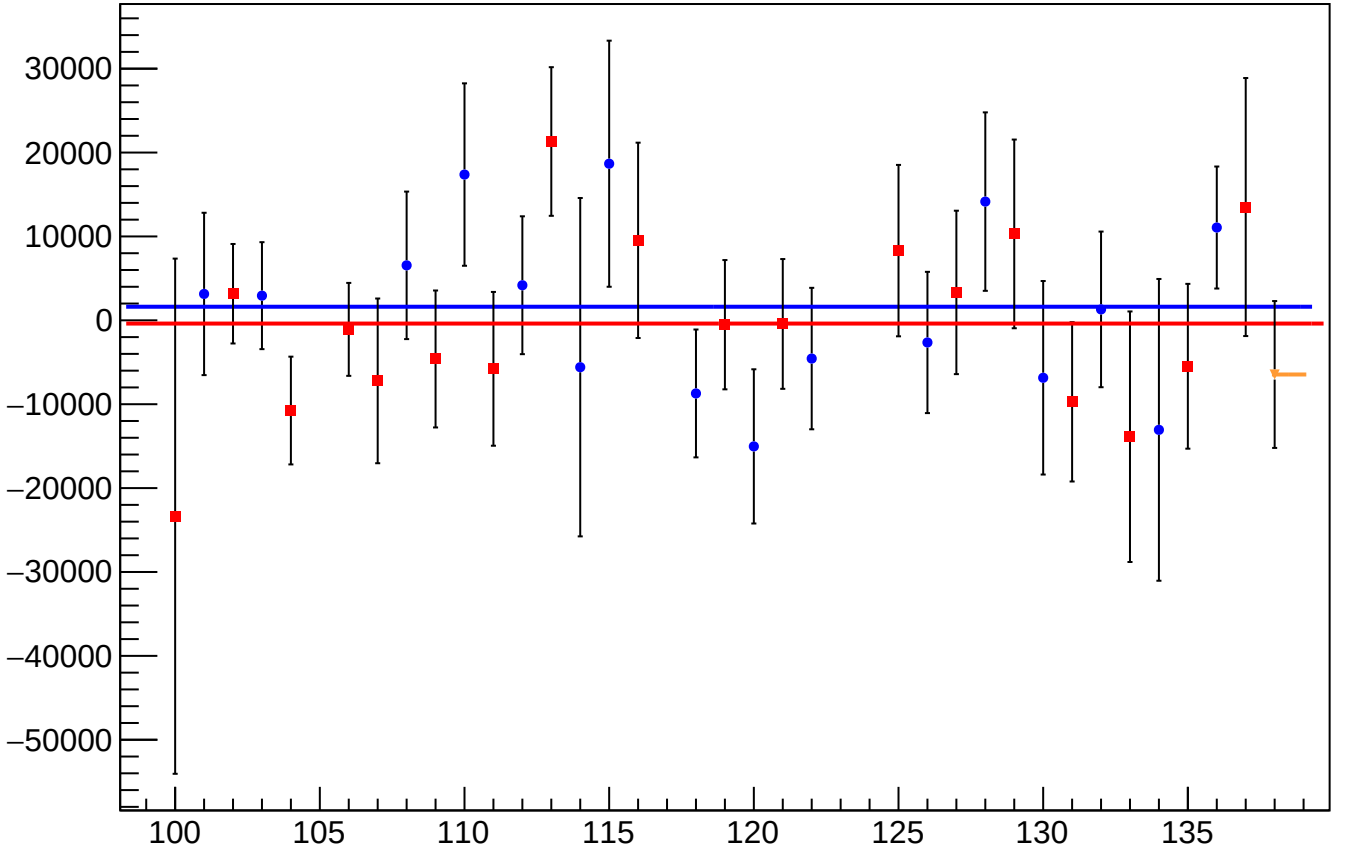
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1525.536+/-0.409 χ^2/NDF:488327.8/15

Out: 1527.096+/-0.392 χ^2/NDF:386228.5/18

All: 1526.349+/-0.283 χ^2/NDF: 874563.9/34

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: -6456.749+/-8753.604 χ^2/NDF:0.0/0

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -6456.749+/-8753.604 χ^2/NDF: 0.0/0

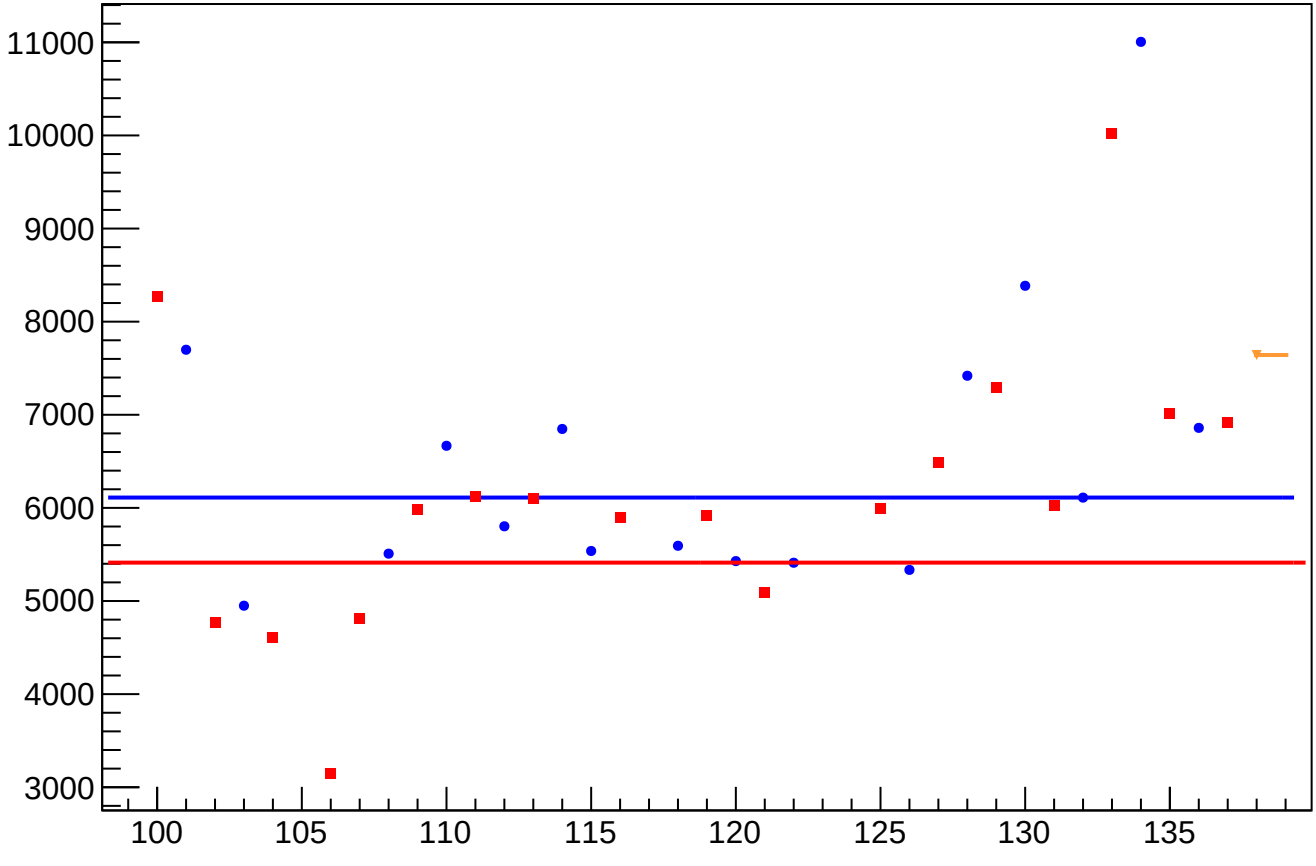
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 1620.038+/-2320.027 χ^2/NDF:14.3/15

Out: -704.766+/-2006.019 χ^2/NDF:16.5/18

All: 289.773+/-1517.438 χ^2/NDF: 31.3/34

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: 7641.792+/-6.190 χ^2/NDF:0.0/0

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

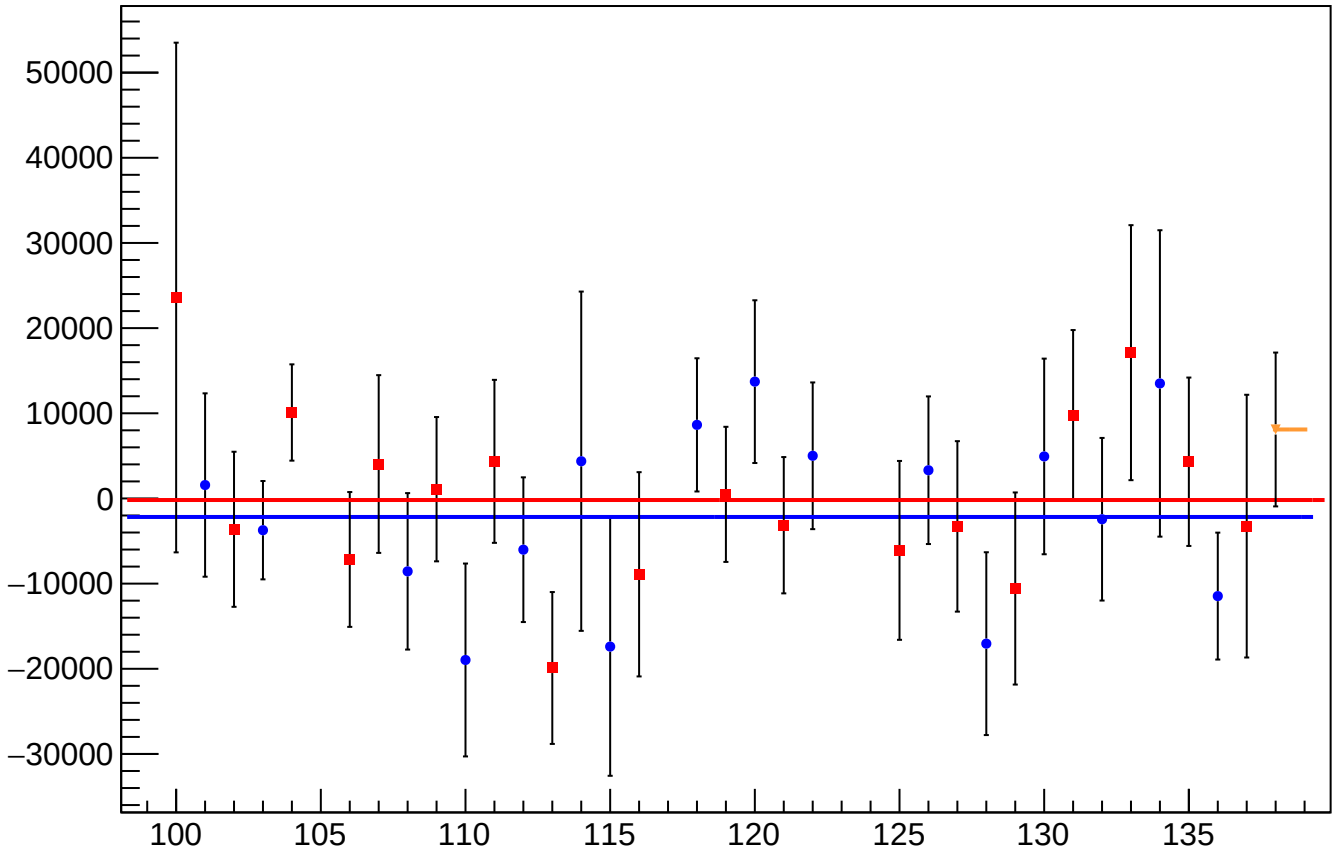
Left: 7641.792+/-6.190 χ^2/NDF: 0.0/0

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6111.023+/-1.641 χ^2/NDF:471663.6/15

Out: 5529.352+/-1.418 χ^2/NDF:944459.3/18

All: 5778.188+/-1.073 χ^2/NDF: 1488059.7/34



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 8098.416+/-9031.362 χ^2/NDF:0.0/0

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

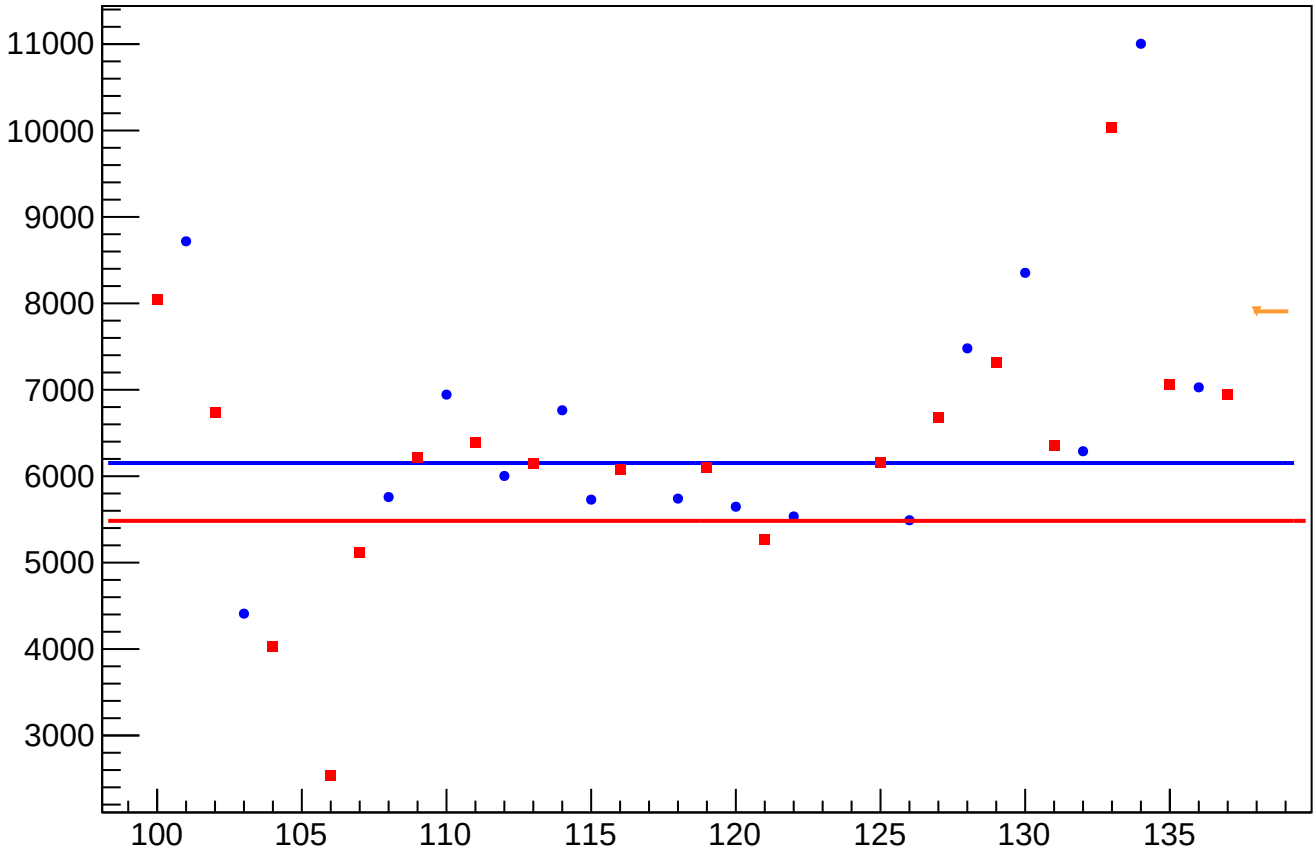
Left: 8098.416+/-9031.362 χ^2/NDF: 0.0/0

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -2174.048+/-2347.664 χ^2/NDF:14.6/15

Out: 291.913+/-2163.957 χ^2/NDF:15.5/18

All: -840.823+/-1591.135 χ^2/NDF: 30.6/34



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7907.308+/-6.386 χ^2/NDF:0.0/0

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

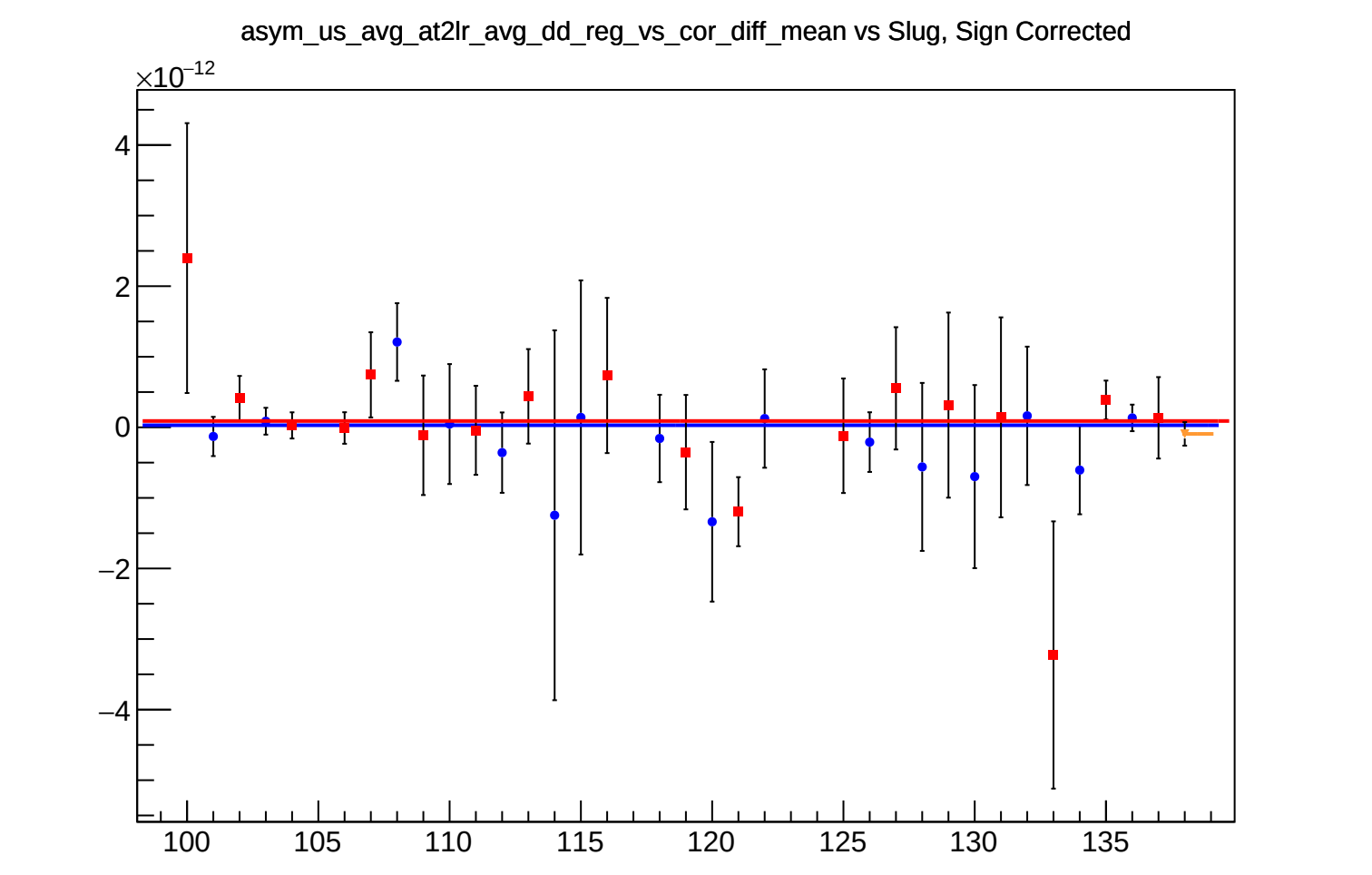
Left: 7907.308+/-6.386 χ^2/NDF: 0.0/0

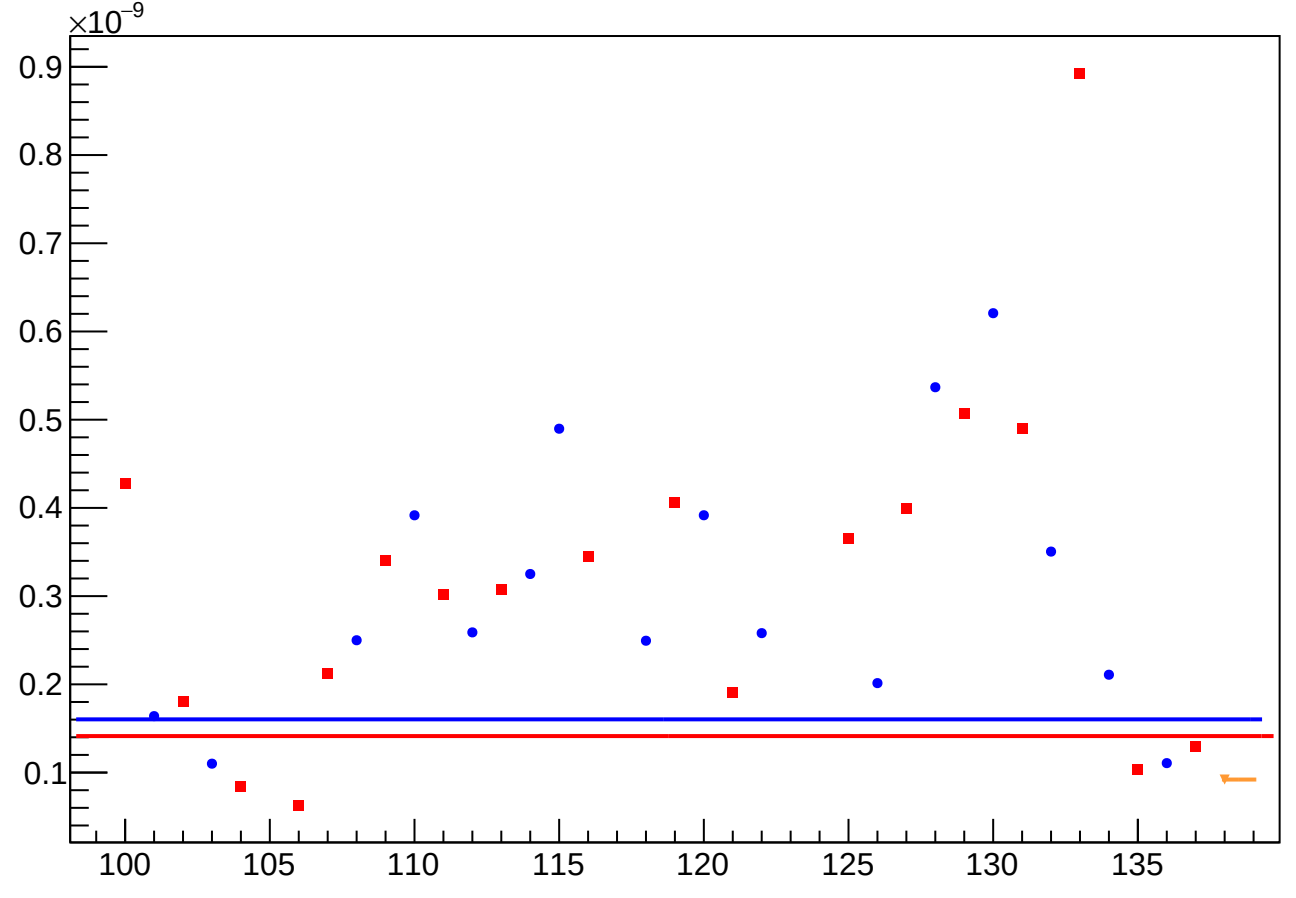
Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6152.690+/-1.660 χ^2/NDF:624026.7/15

Out: 5613.209+/-1.478 χ^2/NDF:1285065.4/18

All: 5851.794+/-1.104 χ^2/NDF: 1967997.7/34


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: -0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 16.5/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 26.2/33
In: 0.000+/-0.000 χ²/NDF:9.5/15
Out: 0.000+/-0.000 χ²/NDF:17.4/18
All: 0.000+/-0.000 χ²/NDF: 26.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

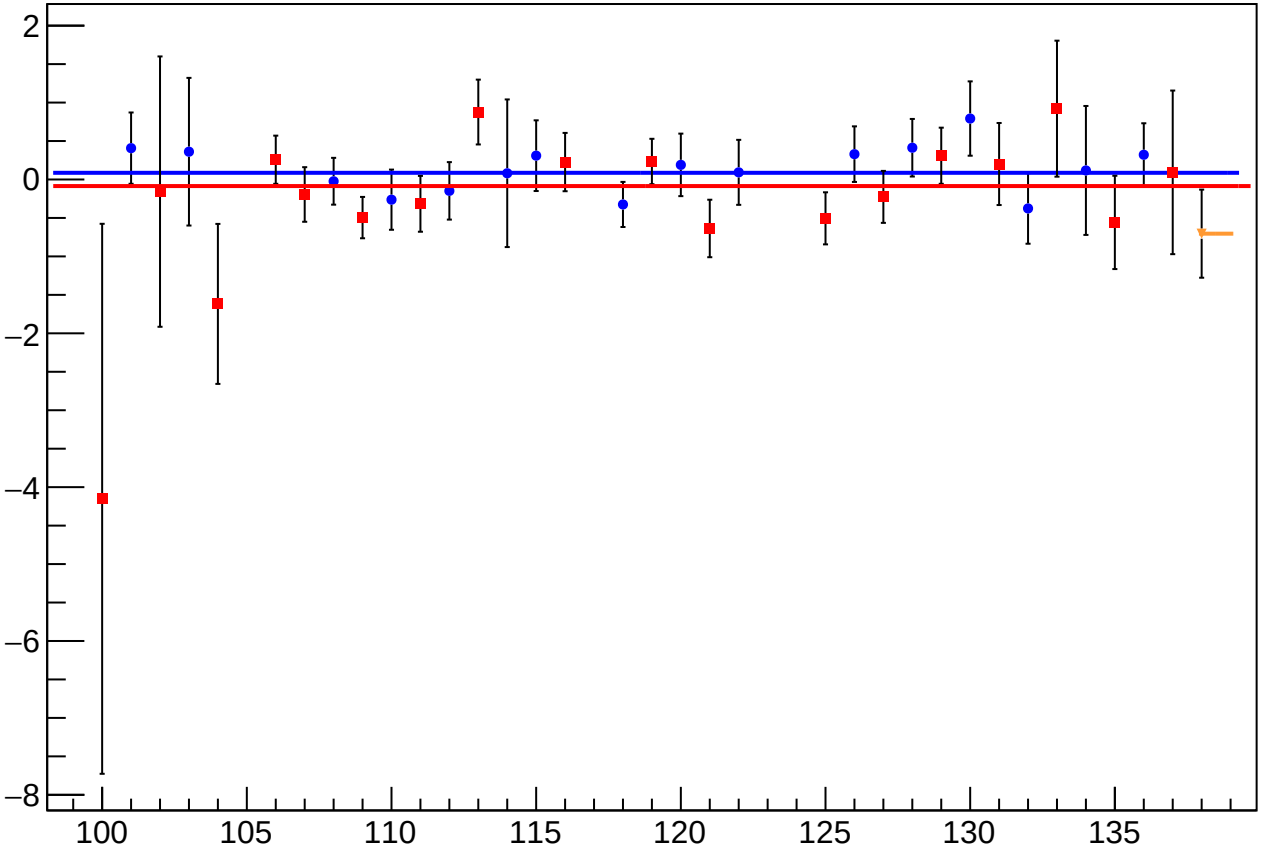
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:1329606.8/15

Out: 0.000+/-0.000 χ^2/NDF:2293310.4/18

All: 0.000+/-0.000 χ^2/NDF: 3738226.7/34

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: -0.704+/-0.573 χ^2/NDF:0.0/0

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

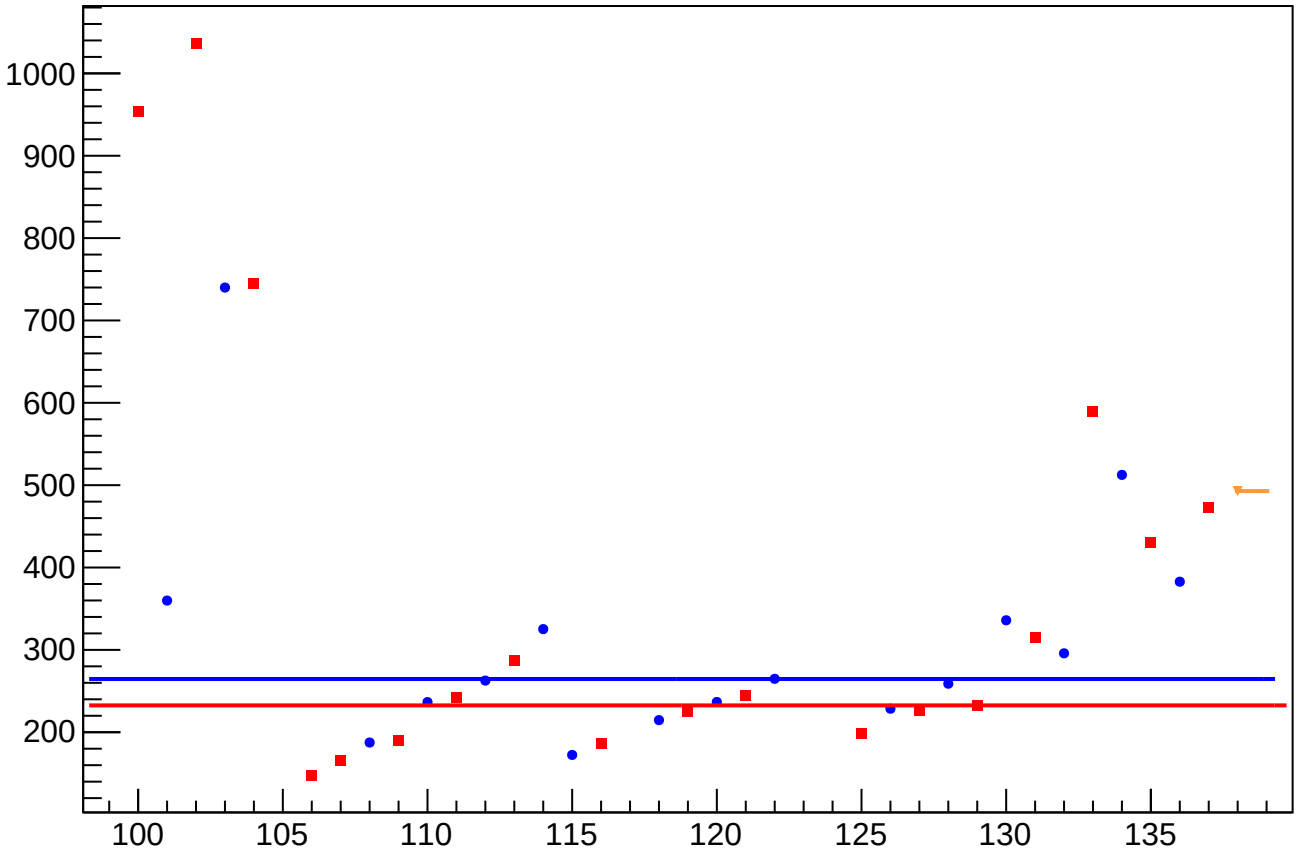
Left: -0.704+/-0.573 χ^2/NDF: 0.0/0

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.087+/-0.105 χ^2/NDF:8.8/15

Out: -0.103+/-0.096 χ^2/NDF:23.0/18

All: -0.017+/-0.071 χ^2/NDF: 33.6/34



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 492.831+/-0.405 χ^2/NDF:0.0/0

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 492.831+/-0.405 χ^2/NDF: 0.0/0

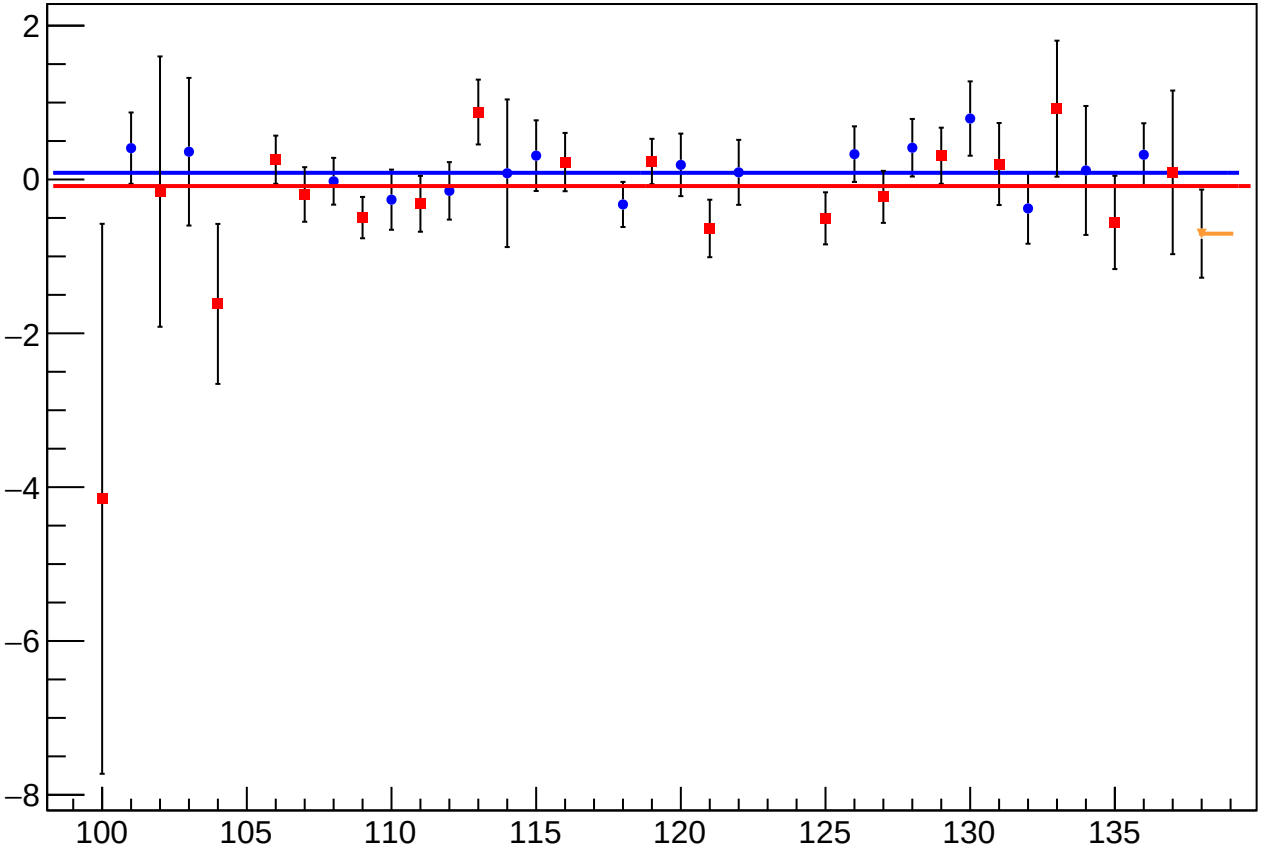
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 264.667+/-0.074 χ^2/NDF:1284007.6/15

Out: 239.902+/-0.068 χ^2/NDF:2434039.9/18

All: 251.164+/-0.050 χ^2/NDF: 3778622.6/34

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: -0.704+/-0.573 χ^2/NDF:0.0/0

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.704+/-0.573 χ^2/NDF: 0.0/0

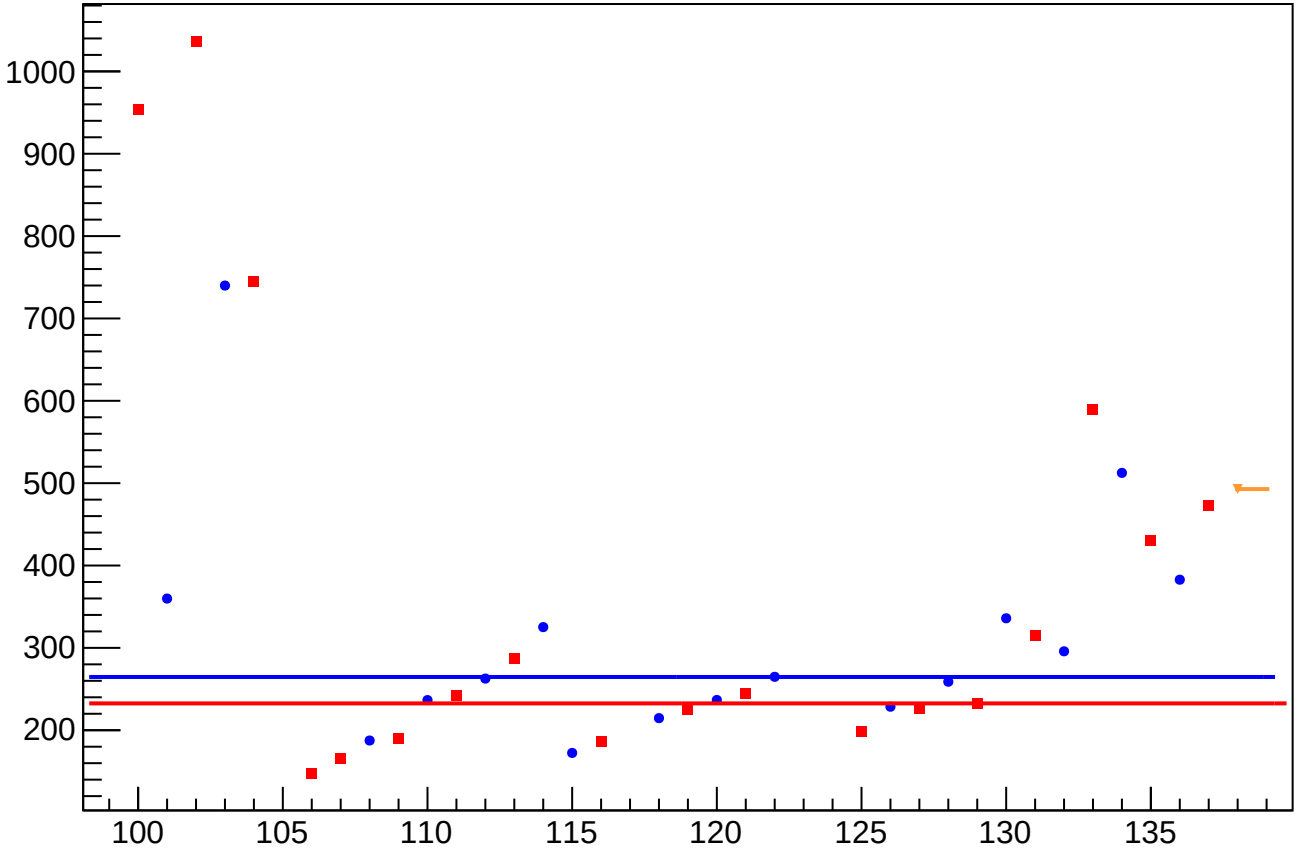
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.087+/-0.105 χ^2/NDF:8.8/15

Out: -0.103+/-0.096 χ^2/NDF:23.0/18

All: -0.017+/-0.071 χ^2/NDF: 33.6/34

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: 492.831+/-0.405 χ^2/NDF:0.0/0

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

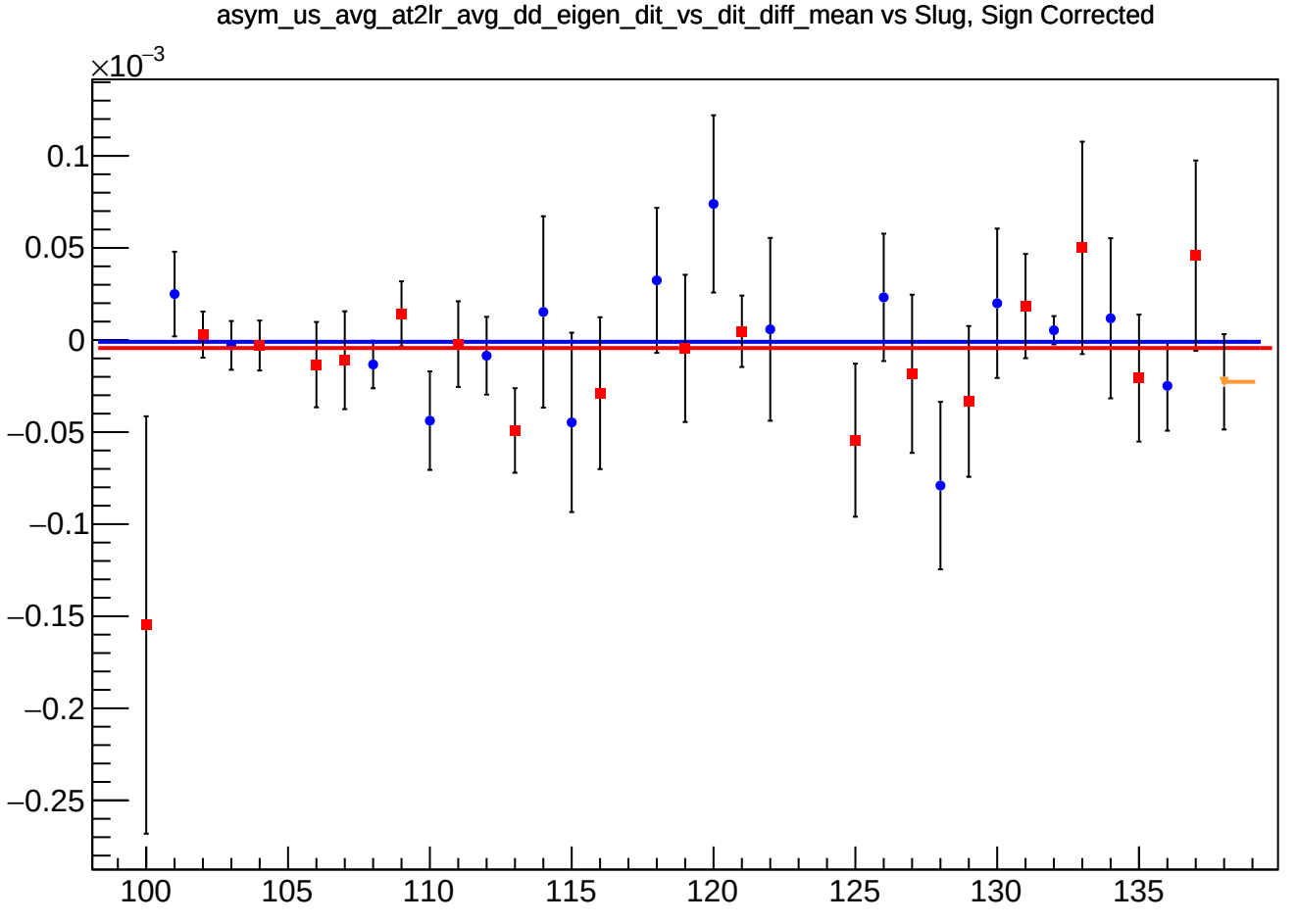
Left: 492.831+/-0.405 χ^2/NDF: 0.0/0

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 264.667+/-0.074 χ^2/NDF:1284007.6/15

Out: 239.902+/-0.068 χ^2/NDF:2434039.9/18

All: 251.164+/-0.050 χ^2/NDF: 3778622.6/34



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

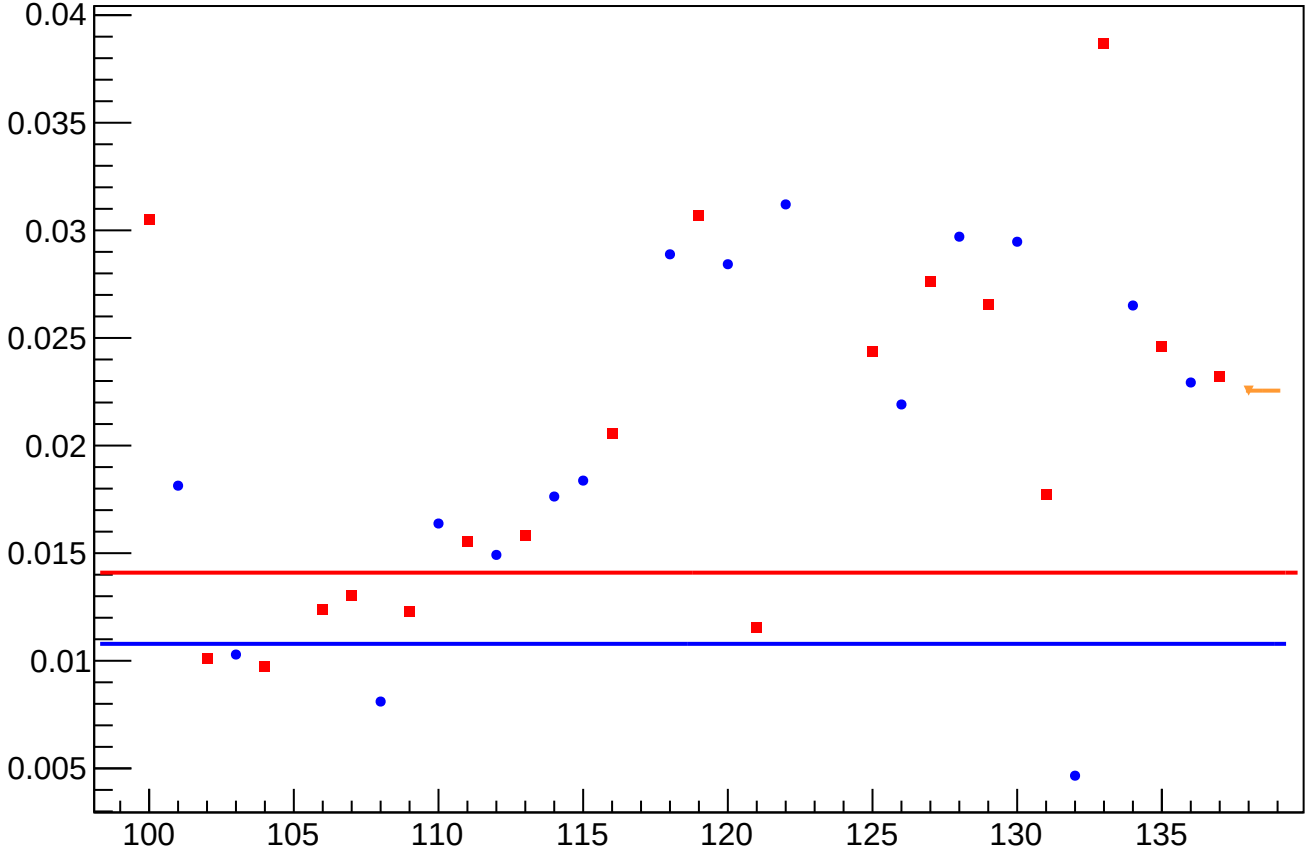
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: -0.000+/-0.000 χ^2/NDF:14.4/15

Out: -0.000+/-0.000 χ^2/NDF:13.1/18

All: -0.000+/-0.000 χ^2/NDF: 27.8/34

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.023+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.023+/-0.000 χ^2/NDF: 0.0/0

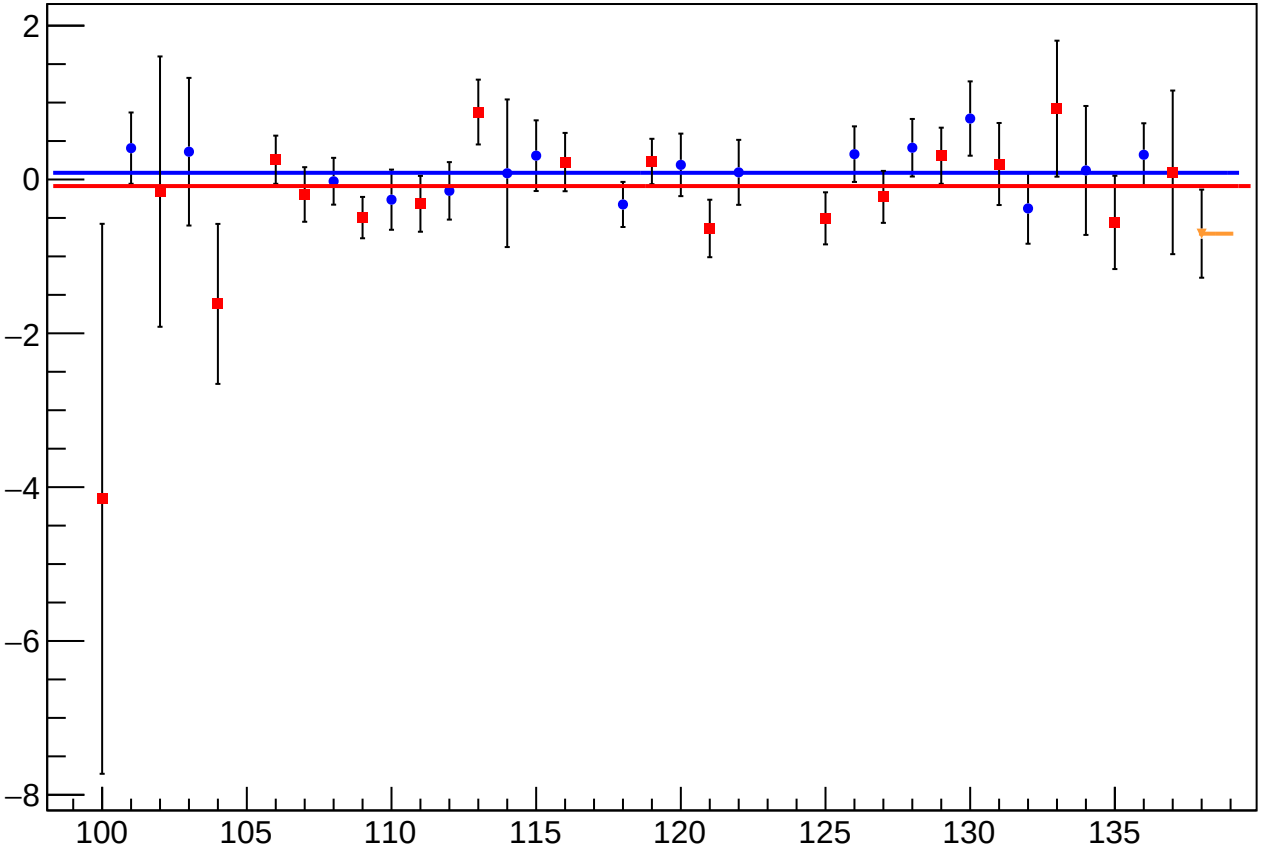
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.011+/-0.000 χ^2/NDF:4580054.6/15

Out: 0.014+/-0.000 χ^2/NDF:2288361.8/18

All: 0.012+/-0.000 χ^2/NDF: 7358799.9/34

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: -0.705+/-0.573 χ^2/NDF:0.0/0

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.705+/-0.573 χ^2/NDF: 0.0/0

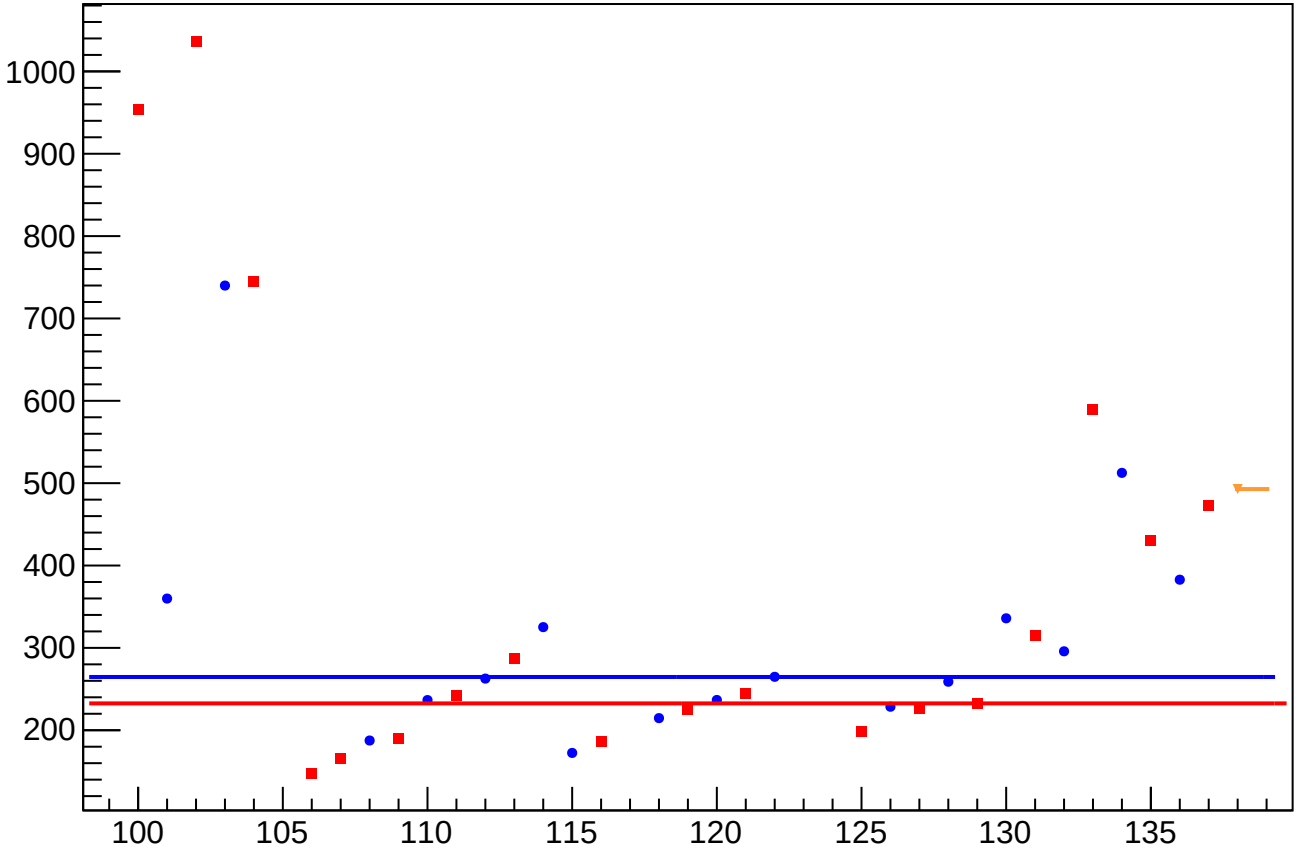
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.087+/-0.105 χ^2/NDF:8.8/15

Out: -0.103+/-0.096 χ^2/NDF:23.0/18

All: -0.017+/-0.071 χ^2/NDF: 33.6/34

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 492.837+/-0.405 χ^2/NDF:0.0/0

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 492.837+/-0.405 χ^2/NDF: 0.0/0

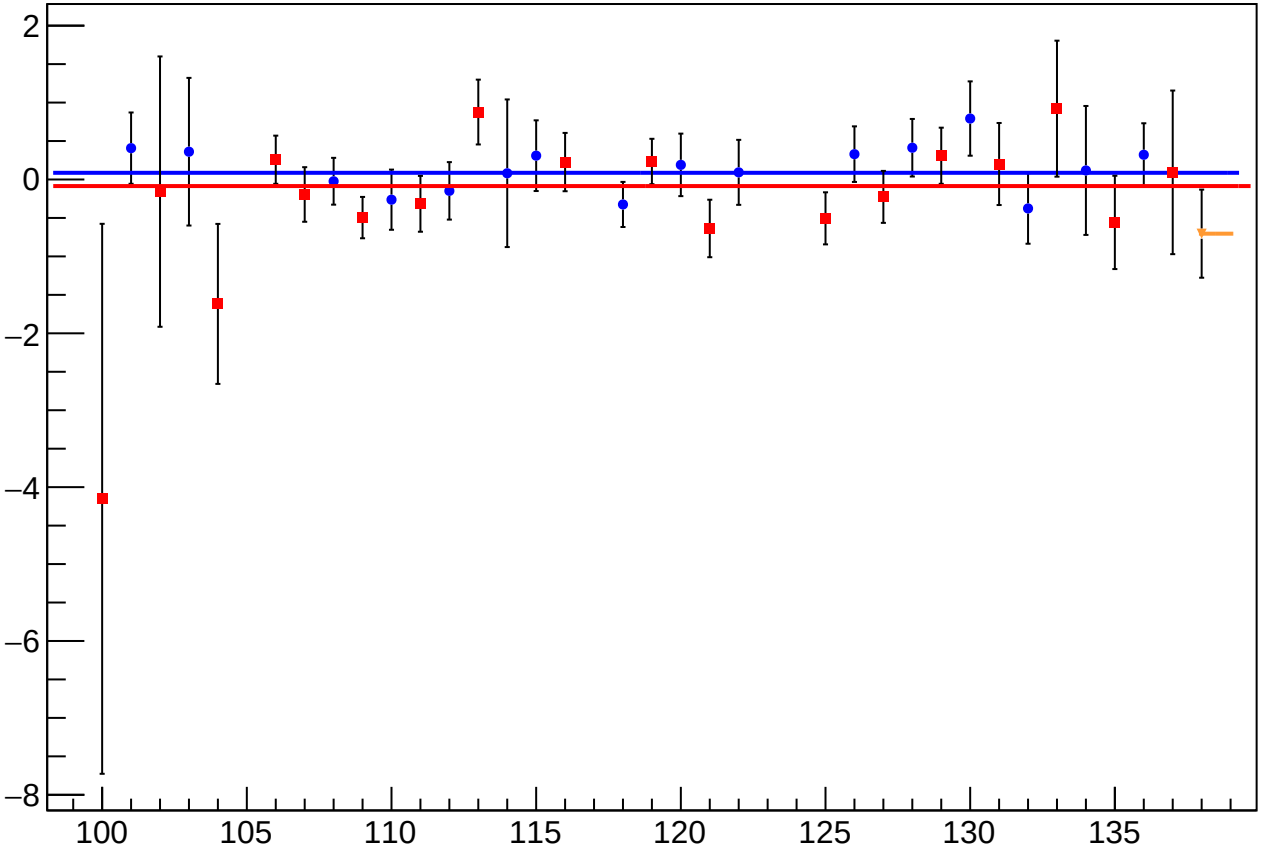
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 264.667+/-0.074 χ^2/NDF:1283977.8/15

Out: 239.903+/-0.068 χ^2/NDF:2434040.9/18

All: 251.164+/-0.050 χ^2/NDF: 3778589.5/34

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: -0.705+/-0.573 χ^2/NDF:0.0/0

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.705+/-0.573 χ^2/NDF: 0.0/0

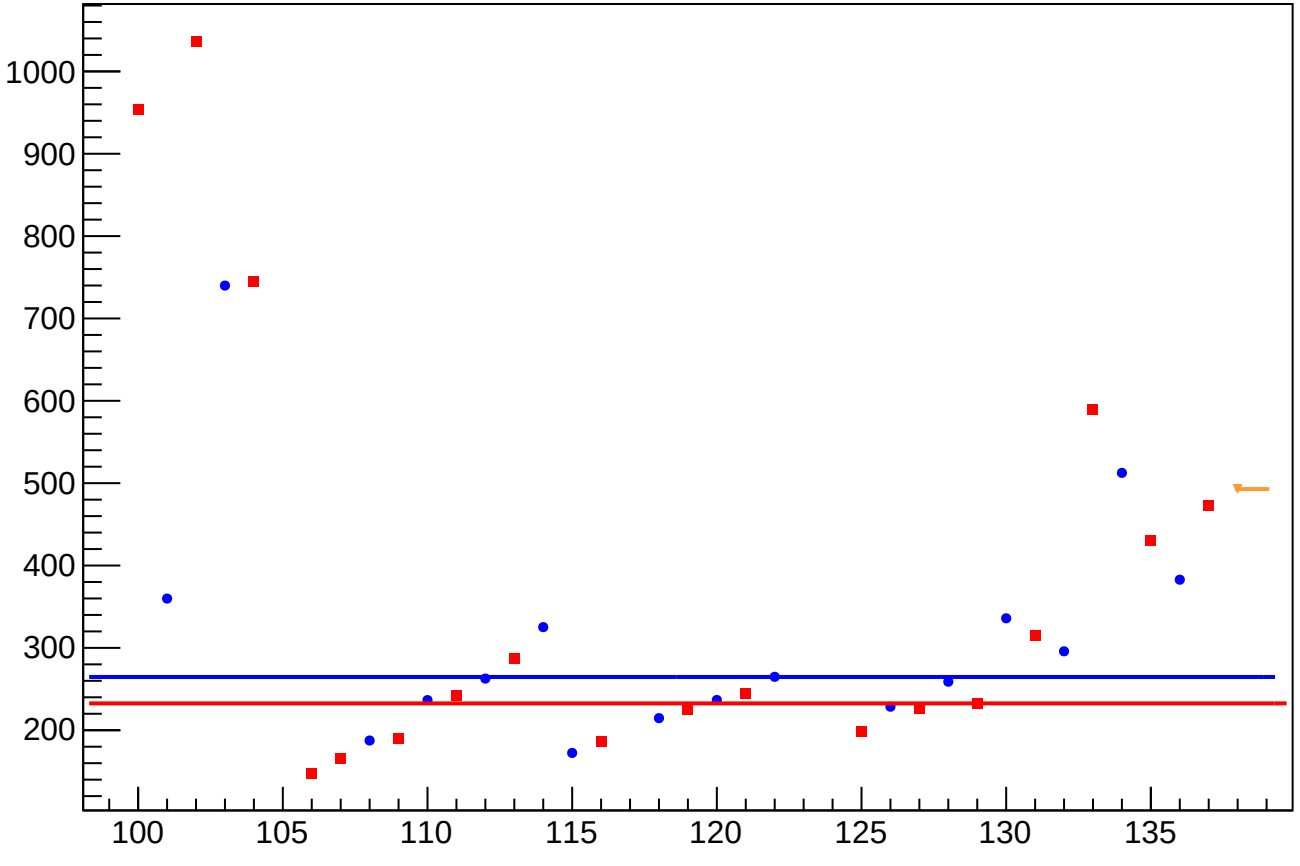
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.087+/-0.105 χ^2/NDF:8.8/15

Out: -0.103+/-0.096 χ^2/NDF:23.0/18

All: -0.017+/-0.071 χ^2/NDF: 33.6/34

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: 492.837+/-0.405 χ^2/NDF:0.0/0

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

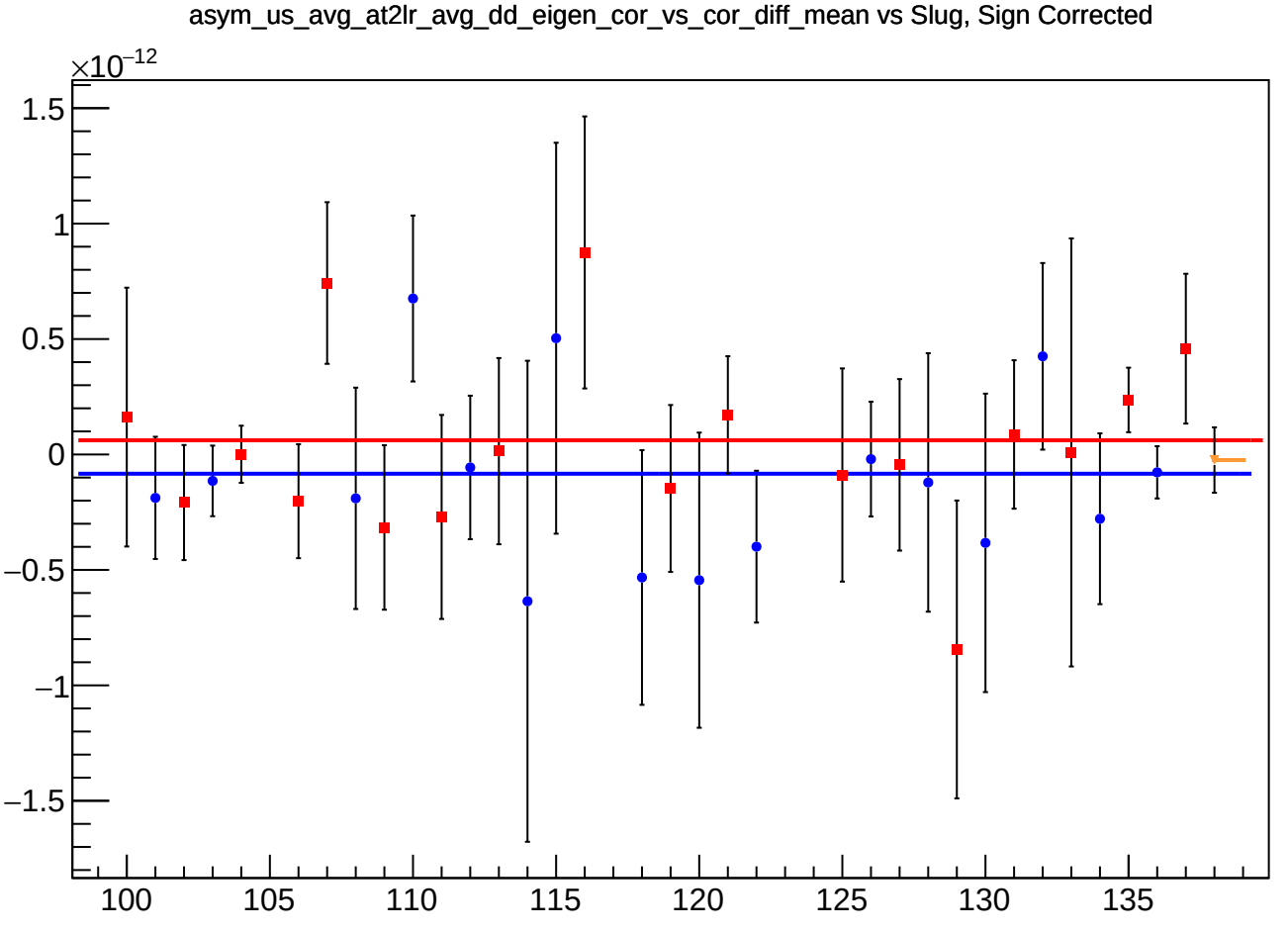
Left: 492.837+/-0.405 χ^2/NDF: 0.0/0

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 264.667+/-0.074 χ^2/NDF:1283977.8/15

Out: 239.903+/-0.068 χ^2/NDF:2434040.9/18

All: 251.164+/-0.050 χ^2/NDF: 3778589.5/34



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

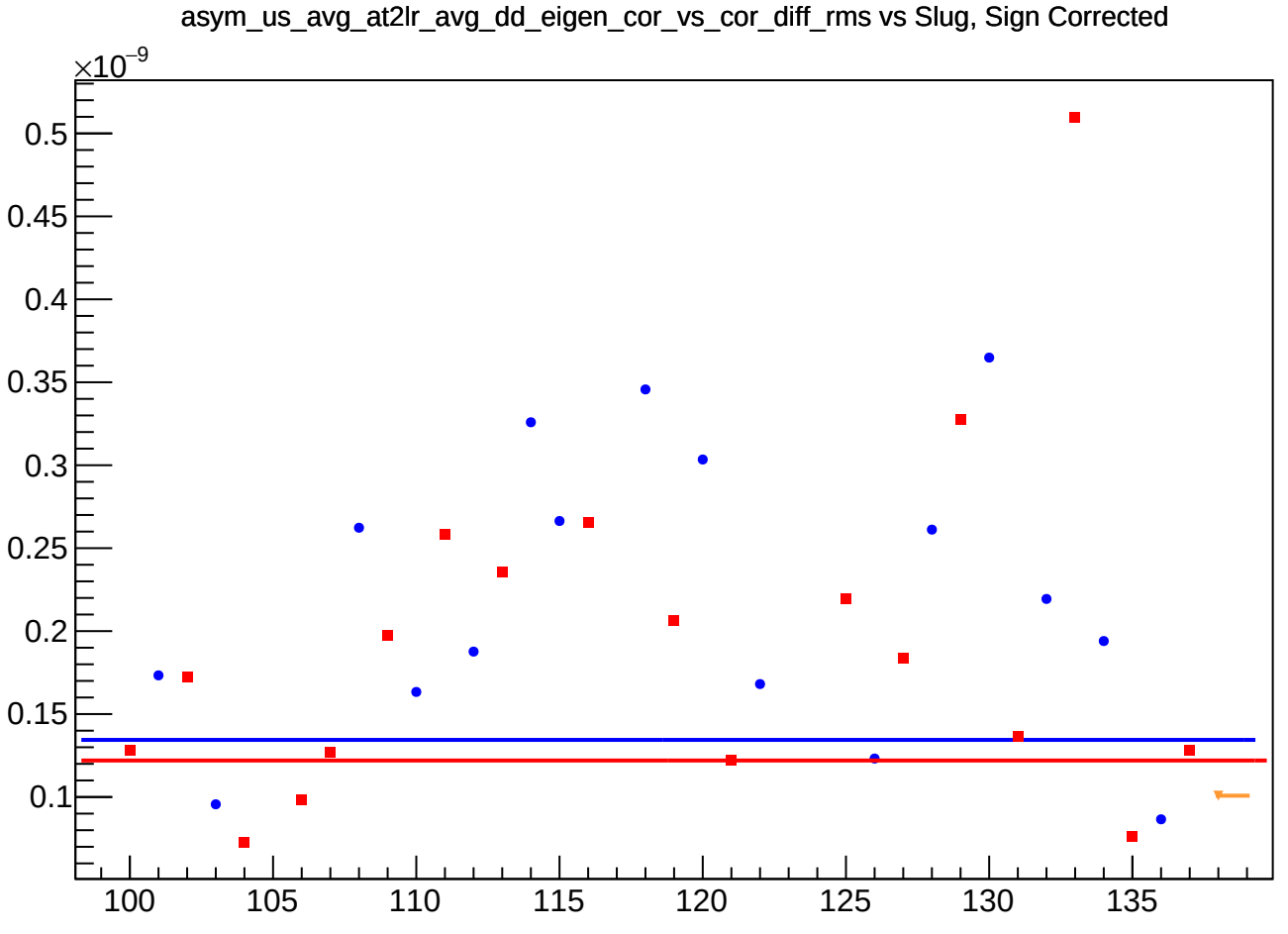
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: -0.000+/-0.000 χ^2/NDF:9.7/15

Out: 0.000+/-0.000 χ^2/NDF:16.0/18

All: -0.000+/-0.000 χ^2/NDF: 27.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

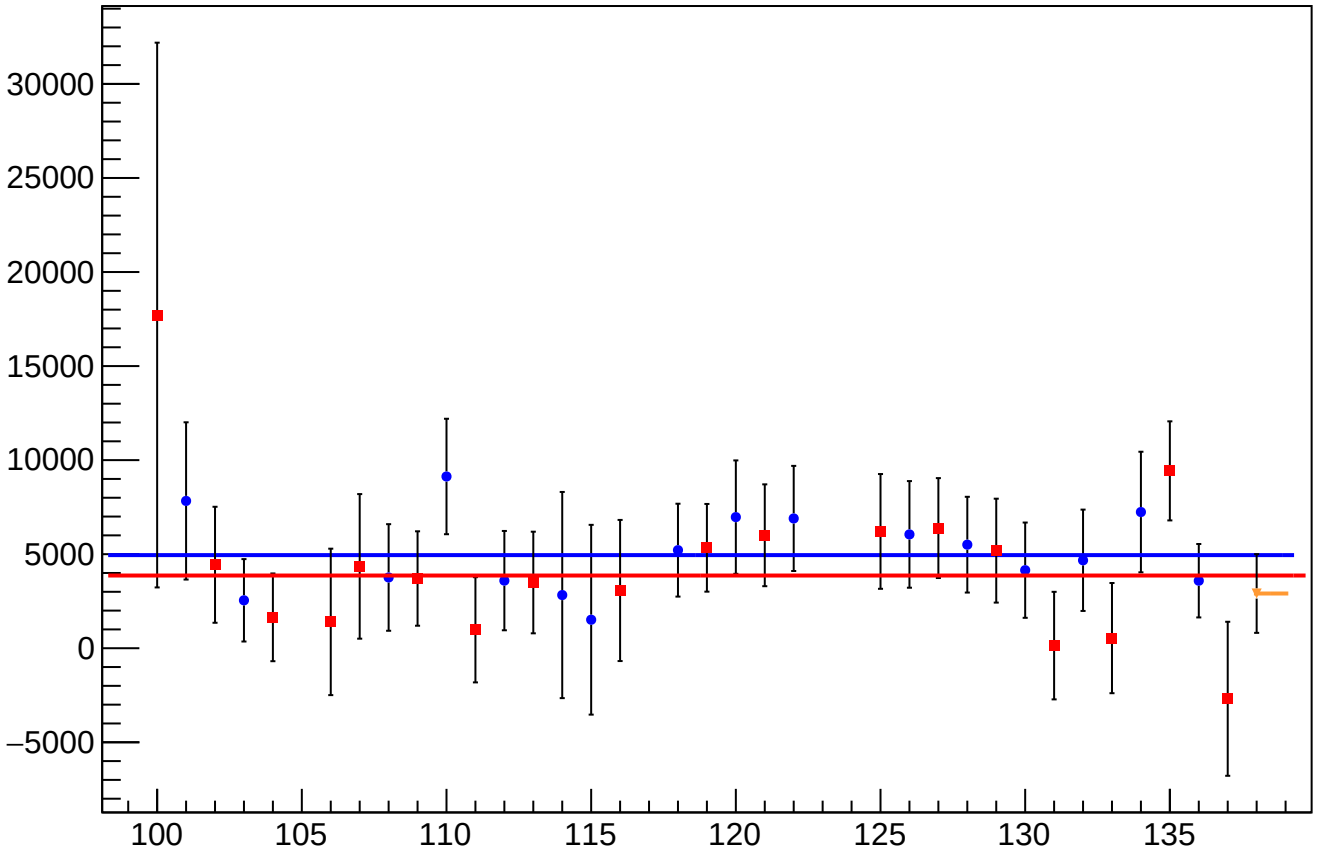
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3852912.0/33

In: 0.000+/-0.000 χ^2/NDF:1814968.0/15

Out: 0.000+/-0.000 χ^2/NDF:2040491.7/18

All: 0.000+/-0.000 χ^2/NDF: 3918296.2/34



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2908.855+/-2092.063 χ^2/NDF:0.0/0

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

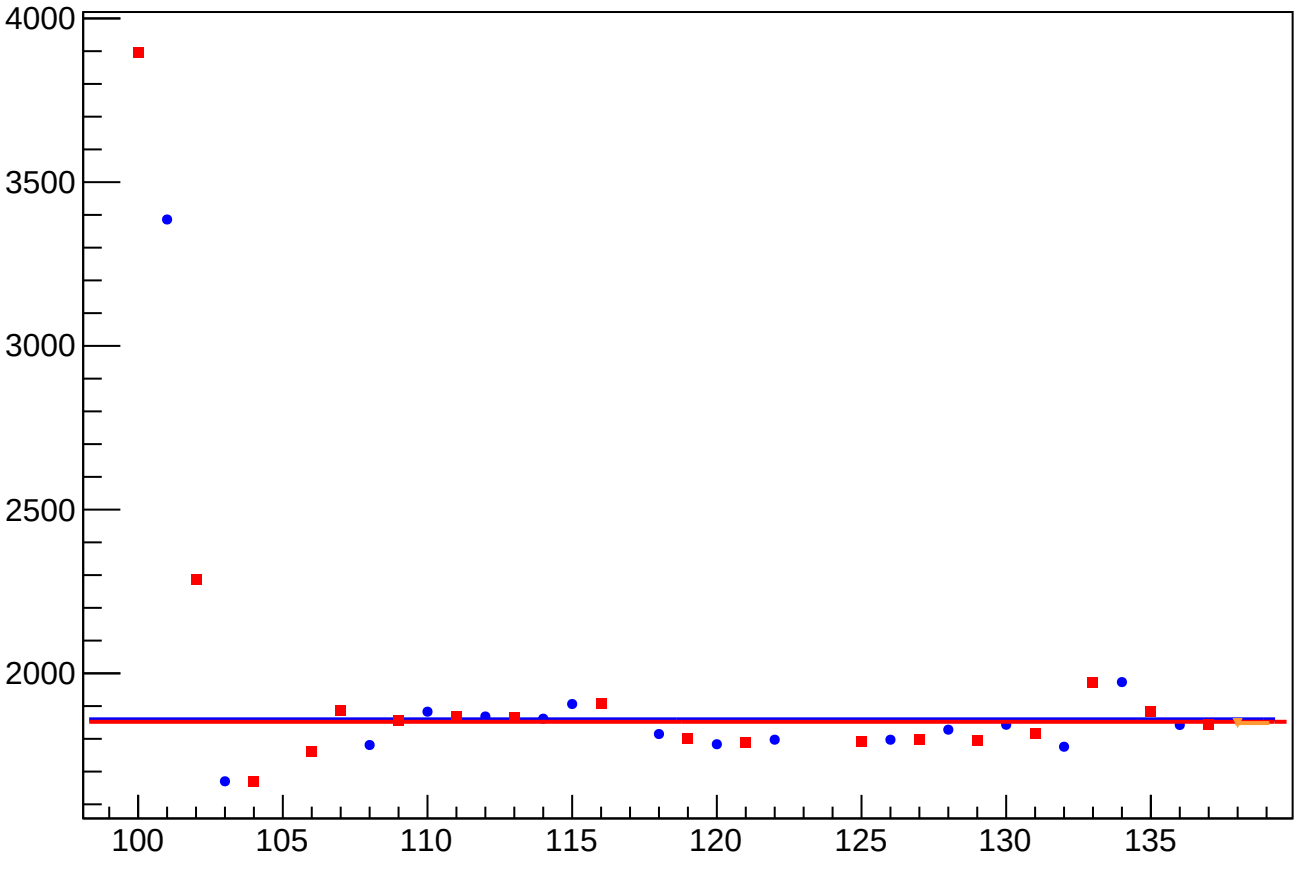
Left: 2908.855+/-2092.063 χ^2/NDF: 0.0/0

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4950.321+/-698.937 χ^2/NDF:6.8/15

Out: 3769.904+/-660.224 χ^2/NDF:16.4/18

All: 4326.518+/-479.952 χ^2/NDF: 24.7/34



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1848.102+/-1.479 χ^2/NDF:0.0/0

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

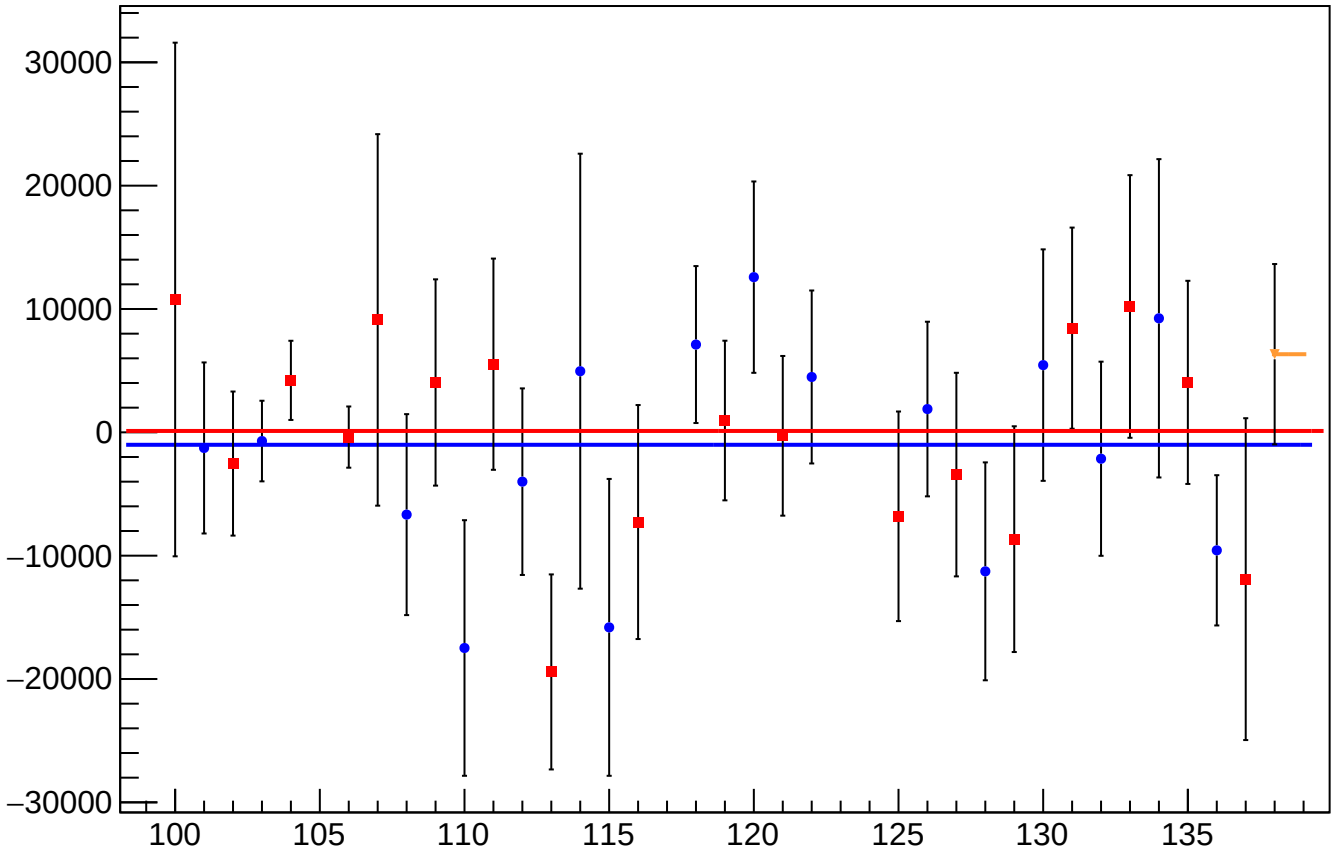
Left: 1848.102+/-1.479 χ^2/NDF: 0.0/0

Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1859.509+/-0.494 χ^2/NDF:292334.6/15

Out: 1851.672+/-0.466 χ^2/NDF:102219.0/18

All: 1855.357+/-0.339 χ^2/NDF: 394686.8/34



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 6333.569+/-7312.186 χ^2/NDF:0.0/0

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

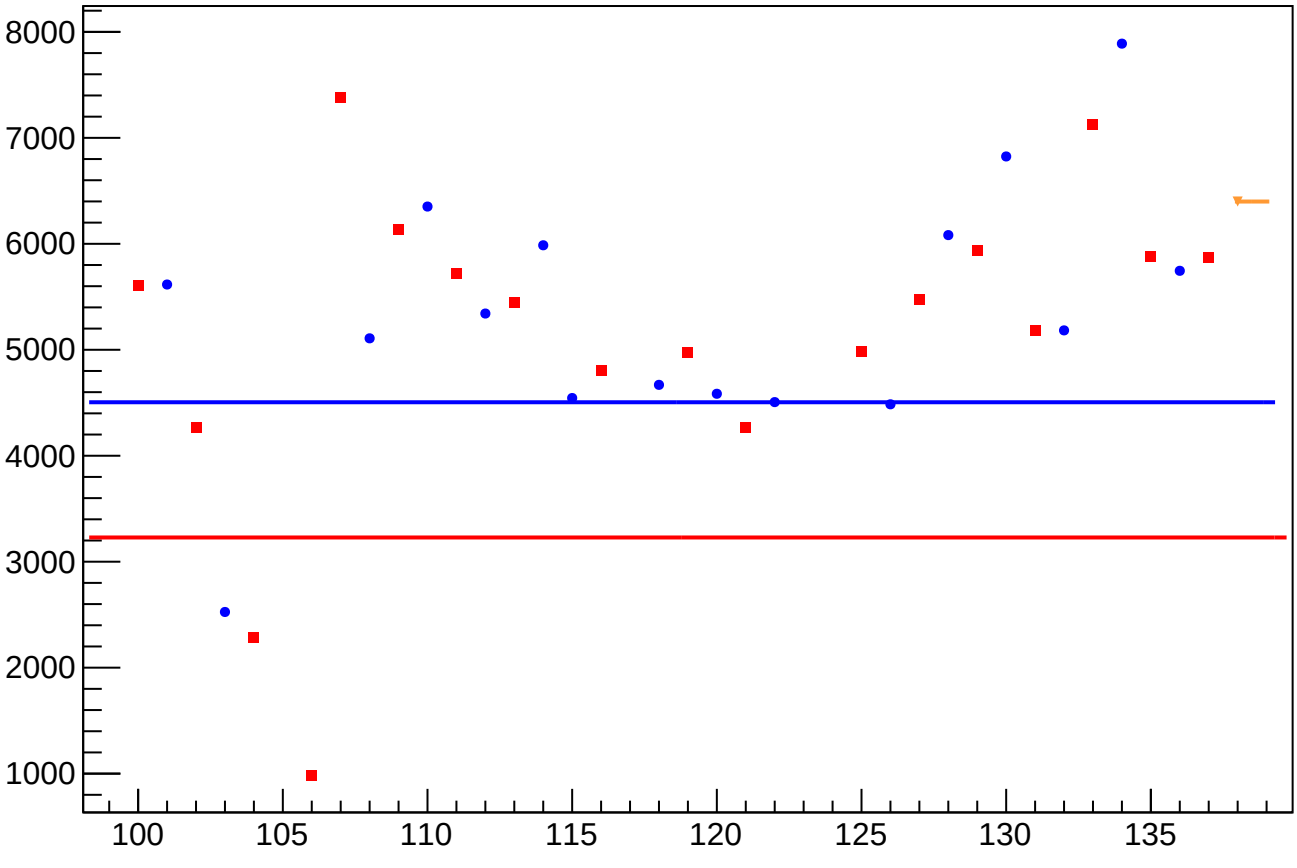
Left: 6333.569+/-7312.186 χ^2/NDF: 0.0/0

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -1010.288+/-1764.180 χ^2/NDF:14.7/15

Out: 343.104+/-1411.461 χ^2/NDF:15.3/18

All: -185.102+/-1102.130 χ^2/NDF: 30.4/34



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6399.032+/-5.170 χ^2/NDF:0.0/0

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

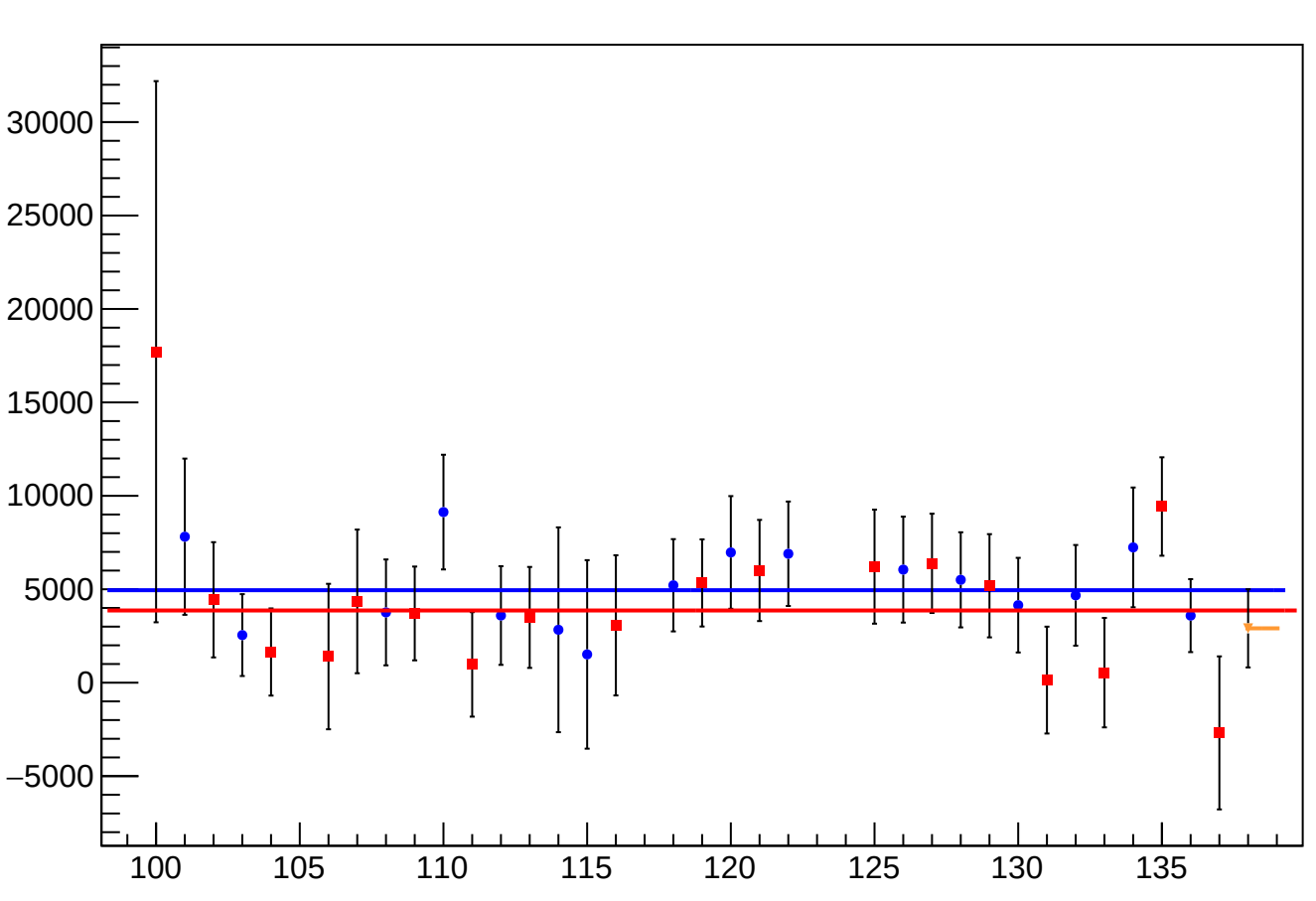
Left: 6399.032+/-5.170 χ^2/NDF: 0.0/0

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4504.788+/-1.247 χ^2/NDF:1321104.9/15

Out: 3346.736+/-0.998 χ^2/NDF:4318373.8/18

All: 3798.704+/-0.779 χ^2/NDF: 6164925.6/34



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2908.959+/-2092.063 χ^2/NDF:0.0/0

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

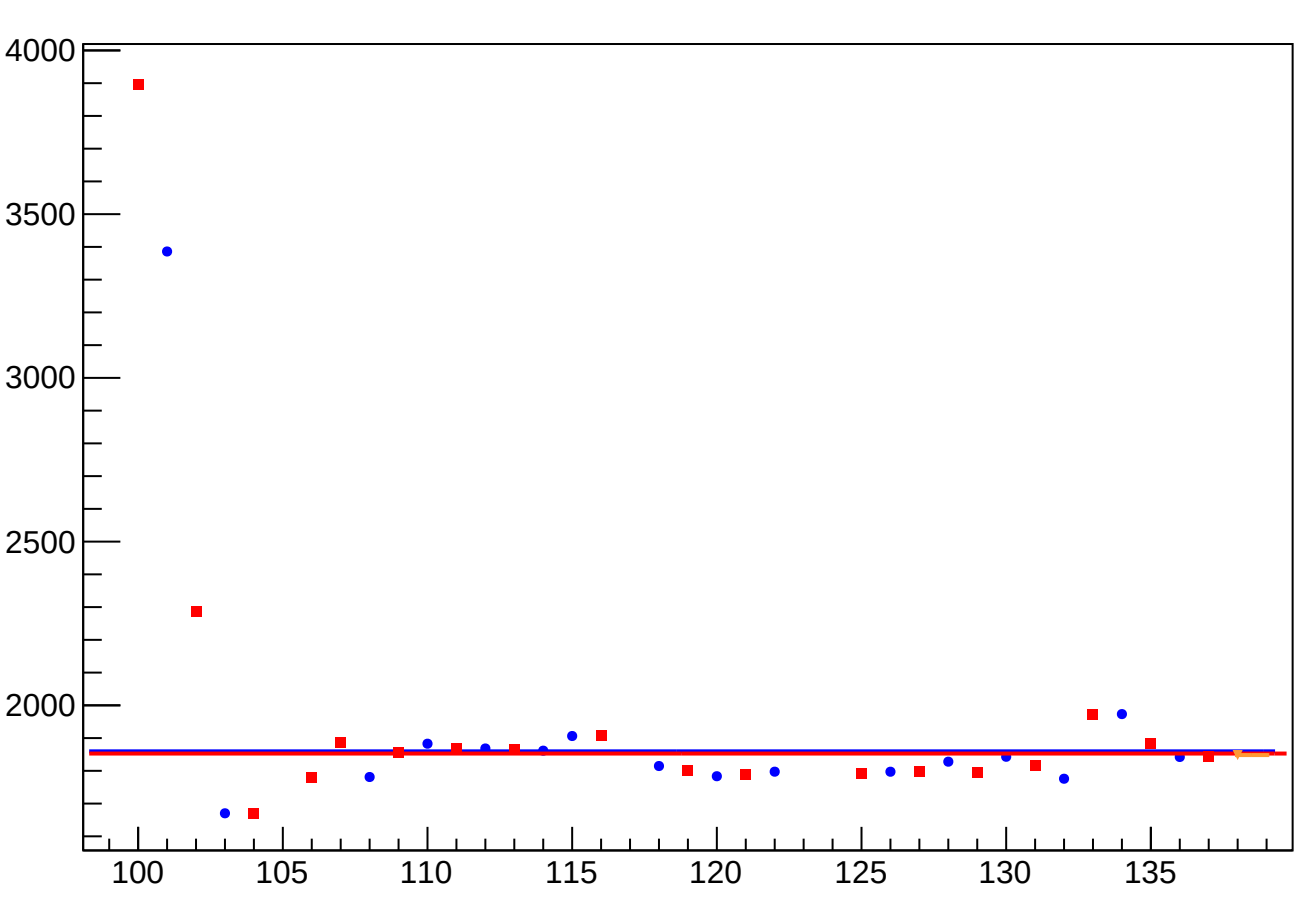
Left: 2908.959+/-2092.063 χ^2/NDF: 0.0/0

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4949.838+/-698.937 χ^2/NDF:6.8/15

Out: 3769.721+/-660.224 χ^2/NDF:16.4/18

All: 4326.194+/-479.952 χ^2/NDF: 24.7/34



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1848.102+/-1.479 χ^2/NDF:0.0/0

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

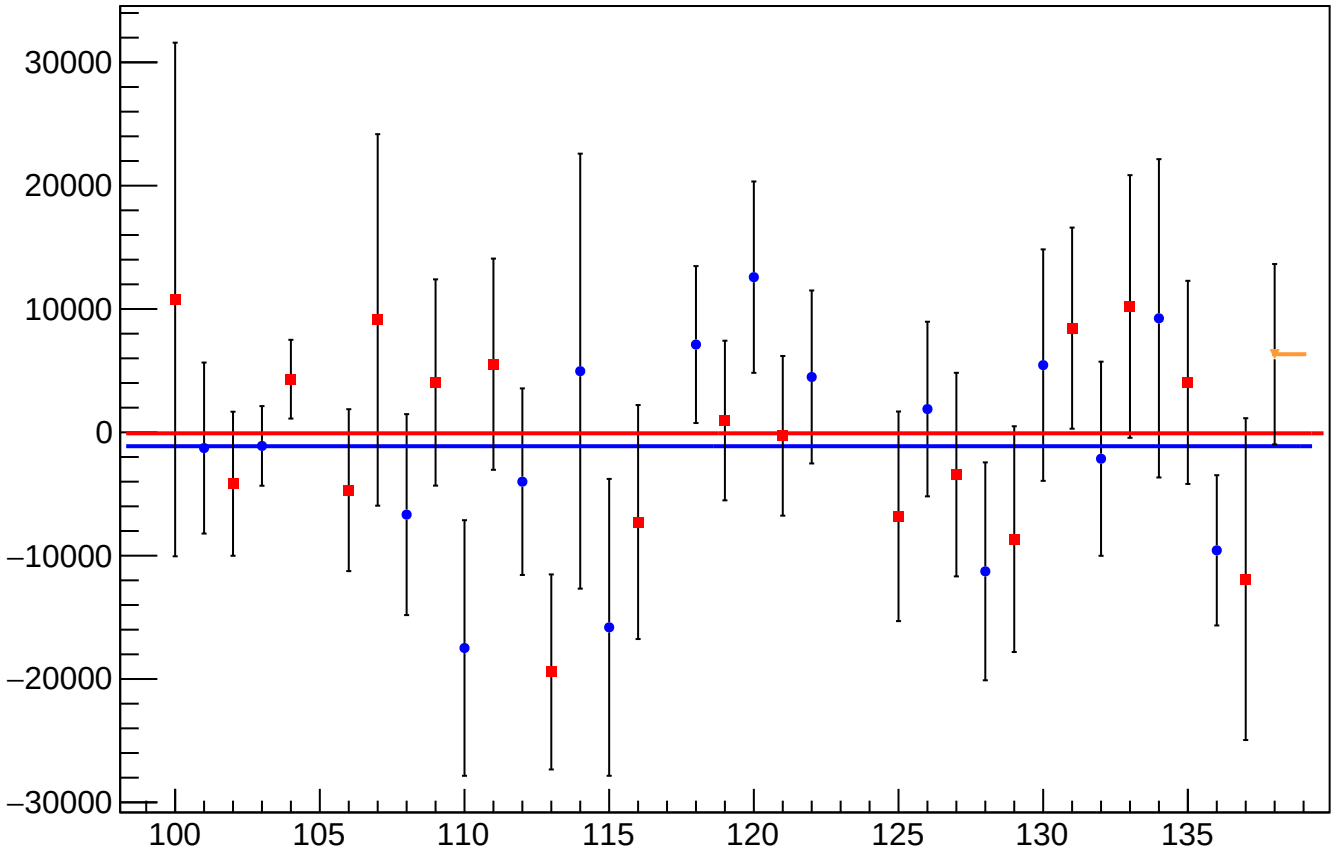
Left: 1848.102+/-1.479 χ^2/NDF: 0.0/0

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1859.509+/-0.494 χ^2/NDF:292336.5/15

Out: 1852.308+/-0.466 χ^2/NDF:101759.5/18

All: 1855.695+/-0.339 χ^2/NDF: 394208.4/34



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 6333.781+/-7312.186 χ^2/NDF:0.0/0

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

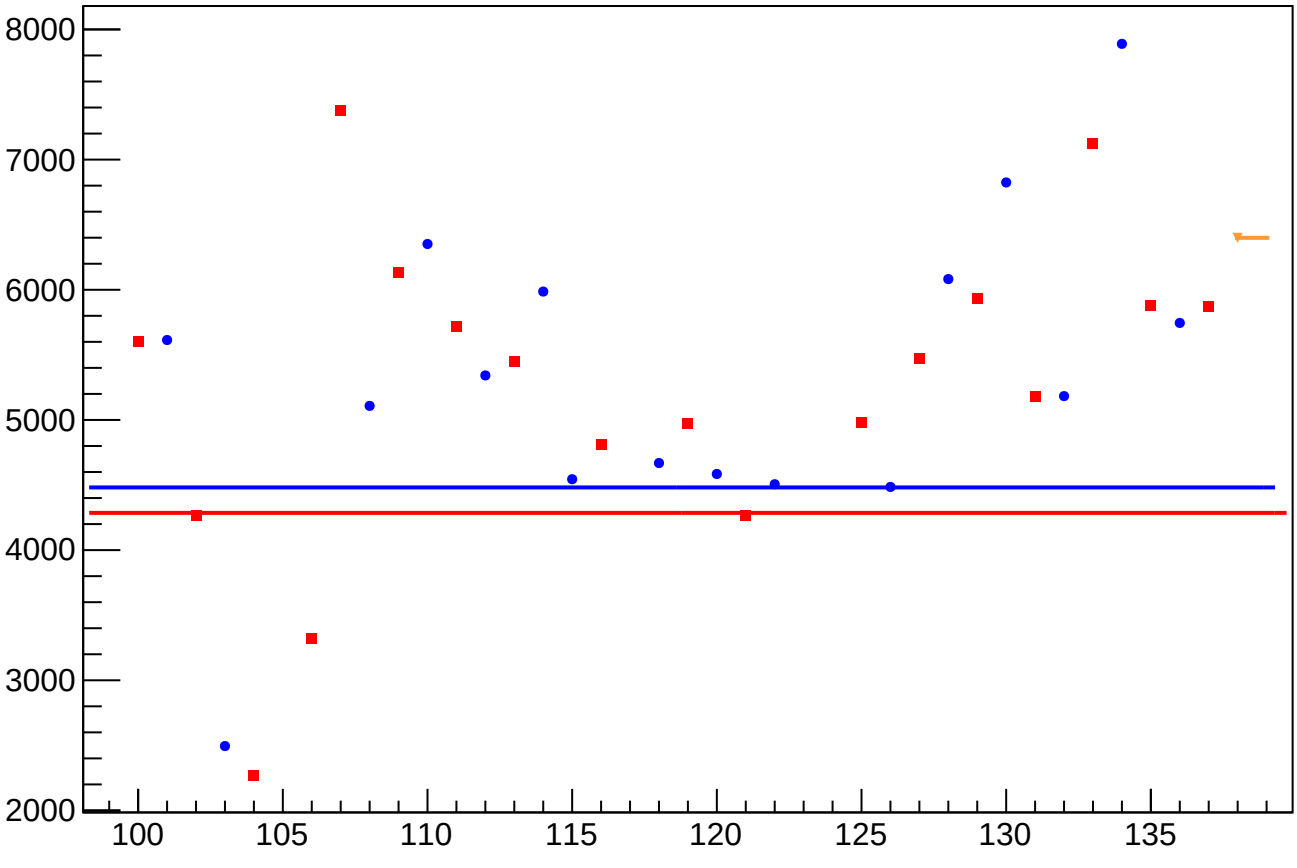
Left: 6333.781+/-7312.186 χ^2/NDF: 0.0/0

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -1125.567+/-1757.876 χ^2/NDF:14.7/15

Out: 251.432+/-1658.097 χ^2/NDF:16.3/18

All: -396.880+/-1206.184 χ^2/NDF: 31.3/34



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6399.033+/-5.170 χ^2/NDF:0.0/0

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

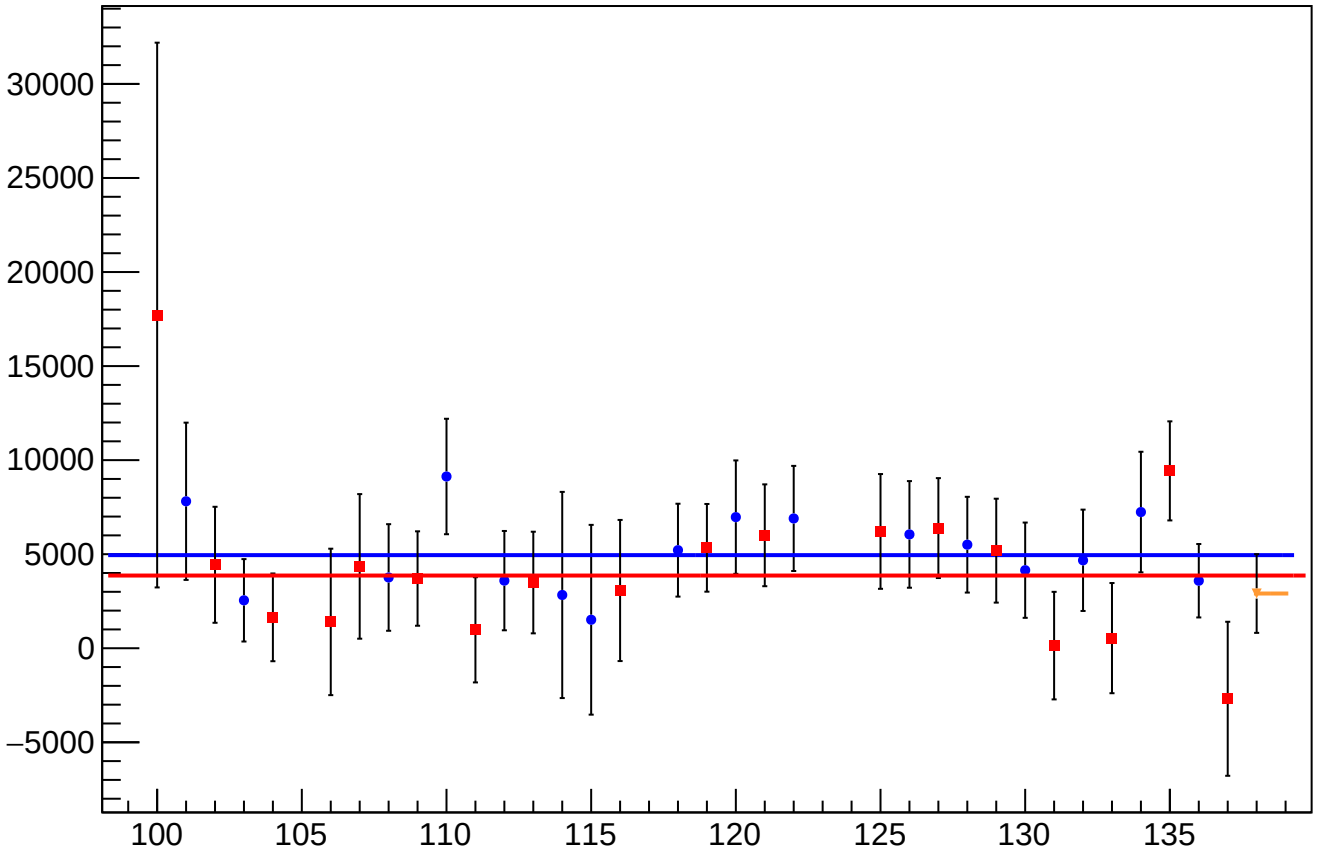
Left: 6399.033+/-5.170 χ^2/NDF: 0.0/0

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4481.518+/-1.243 χ^2/NDF:1362255.0/15

Out: 4394.769+/-1.172 χ^2/NDF:1708258.4/18

All: 4435.612+/-0.853 χ^2/NDF: 3073090.8/34



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2908.959+/-2092.063 χ^2/NDF:0.0/0

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

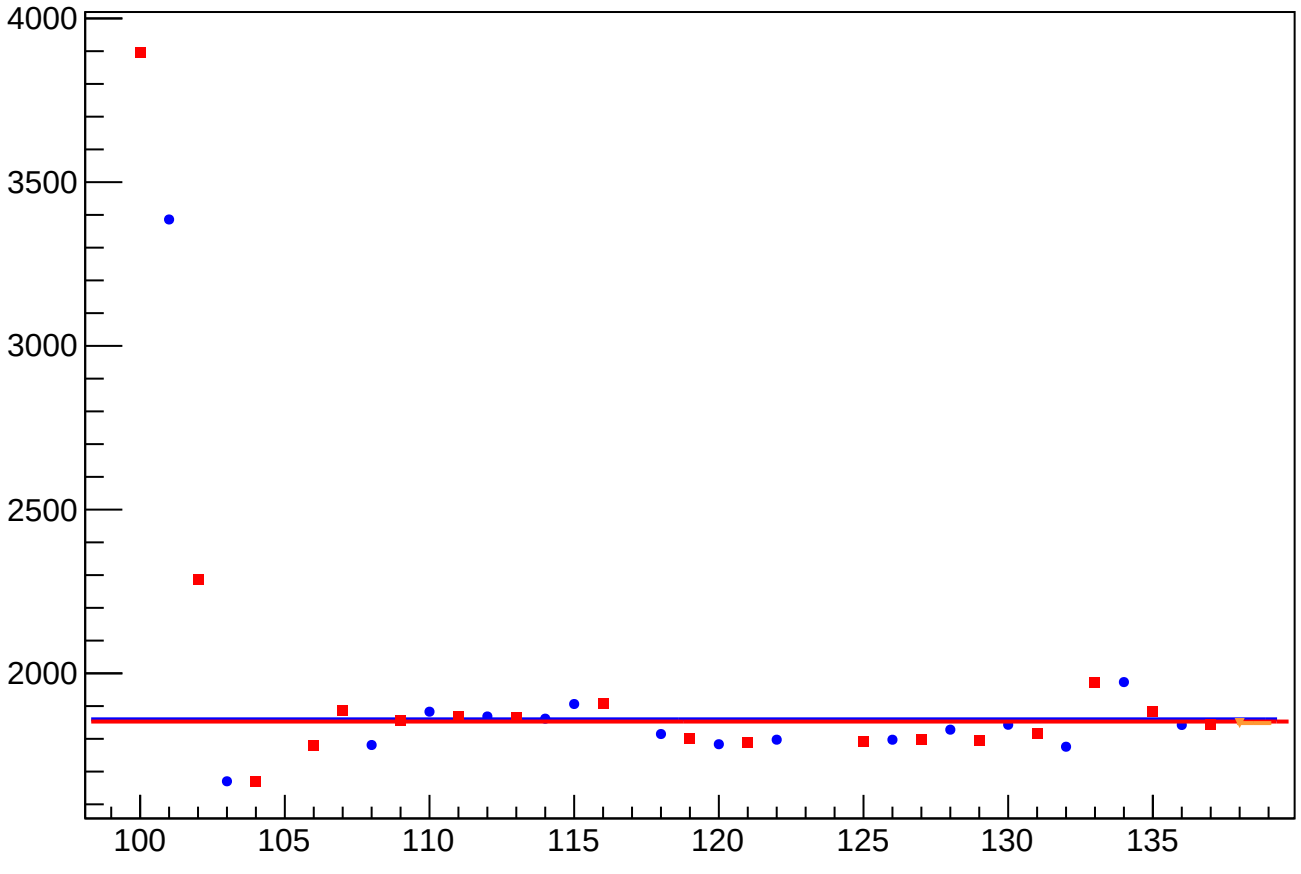
Left: 2908.959+/-2092.063 χ^2/NDF: 0.0/0

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4949.838+/-698.937 χ^2/NDF:6.8/15

Out: 3769.721+/-660.224 χ^2/NDF:16.4/18

All: 4326.194+/-479.952 χ^2/NDF: 24.7/34



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1848.102+/-1.479 χ^2/NDF:0.0/0

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

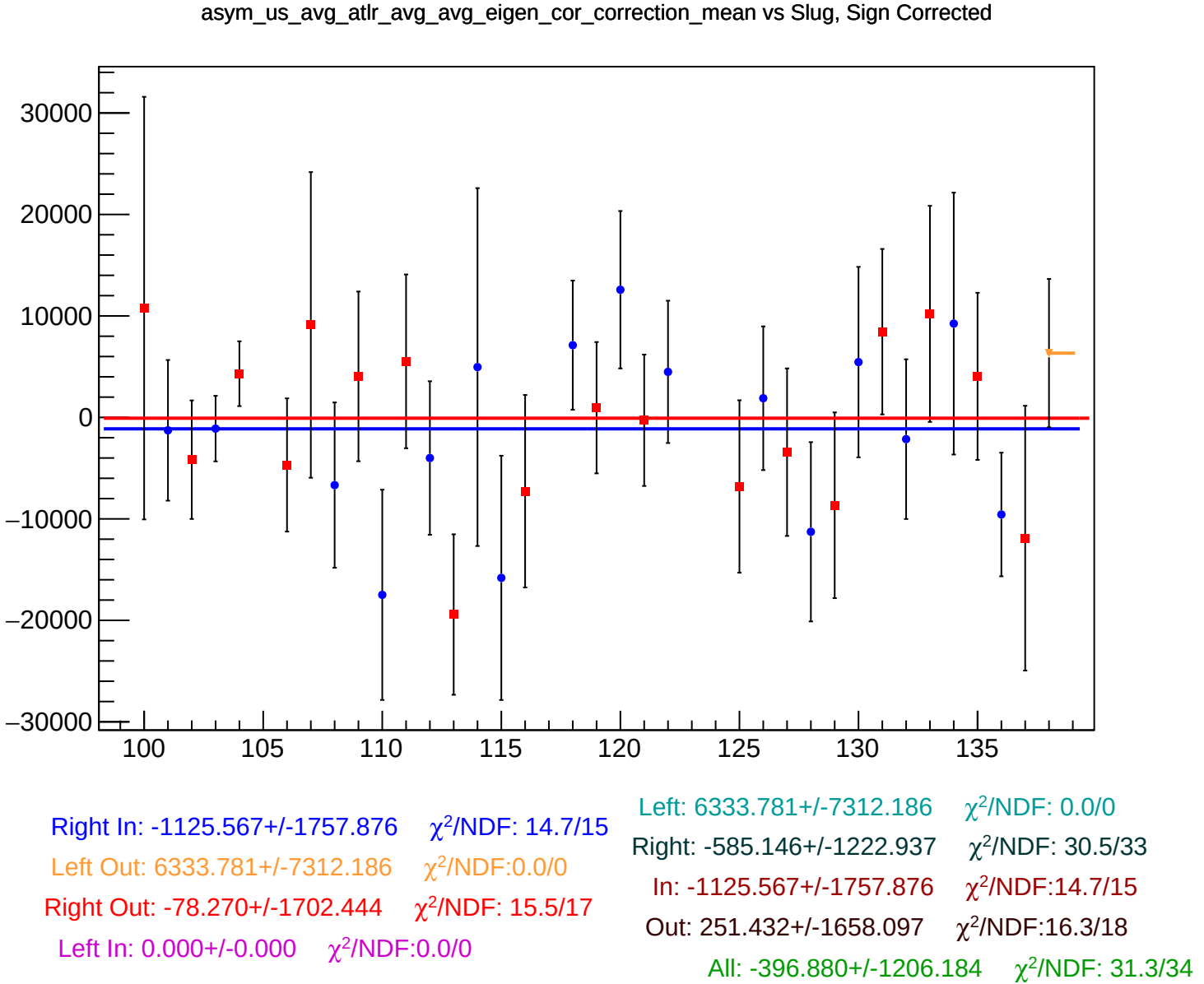
Left: 1848.102+/-1.479 χ^2/NDF: 0.0/0

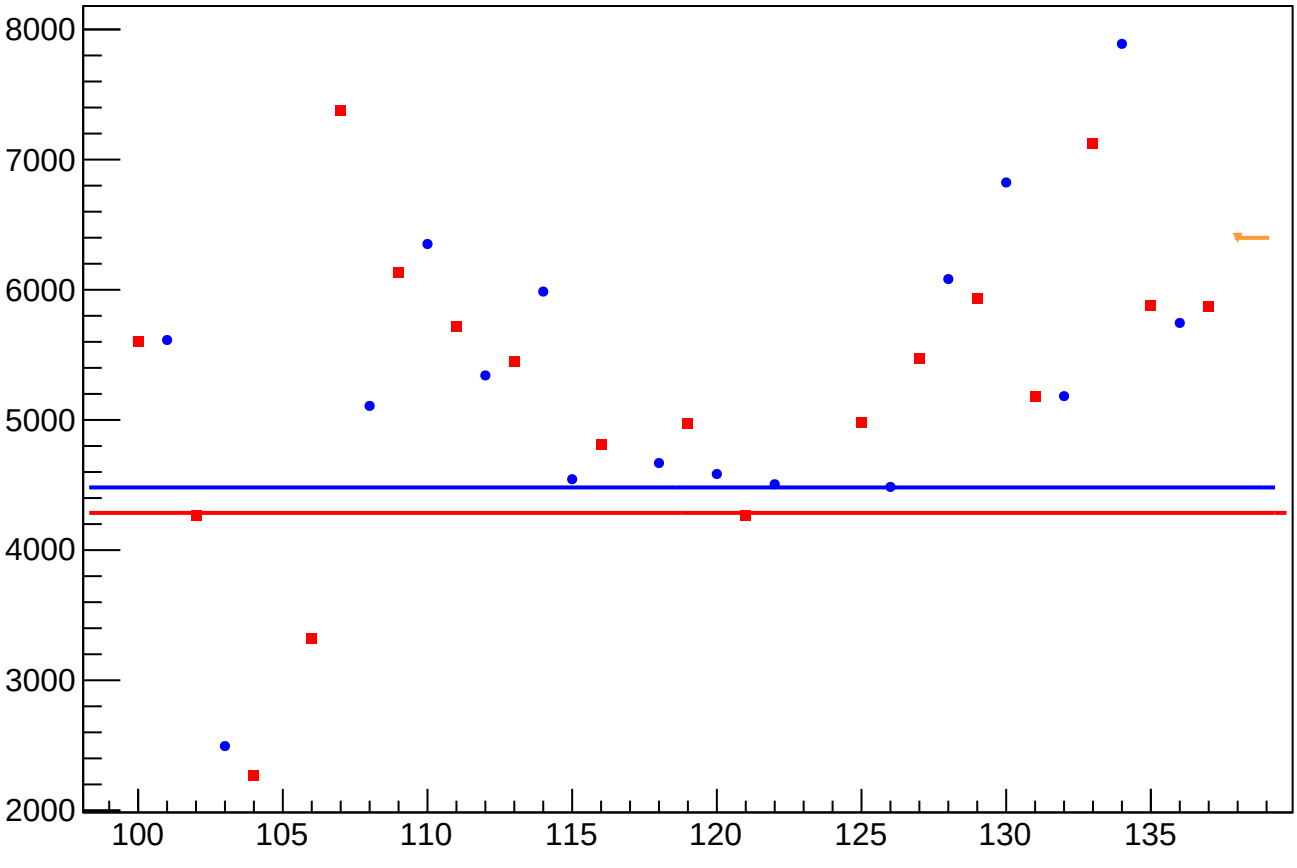
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1859.509+/-0.494 χ^2/NDF:292336.5/15

Out: 1852.308+/-0.466 χ^2/NDF:101759.5/18

All: 1855.695+/-0.339 χ^2/NDF: 394208.4/34


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: 6333.781+/-7312.186 χ²/NDF:0.0/0
Right Out: -78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 6333.781+/-7312.186 χ²/NDF: 0.0/0
Right: -585.146+/-1222.937 χ²/NDF: 30.5/33
In: -1125.567+/-1757.876 χ²/NDF:14.7/15
Out: 251.432+/-1658.097 χ²/NDF:16.3/18
All: -396.880+/-1206.184 χ²/NDF: 31.3/34



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6399.033+/-5.170 χ^2/NDF:0.0/0

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6399.033+/-5.170 χ^2/NDF: 0.0/0

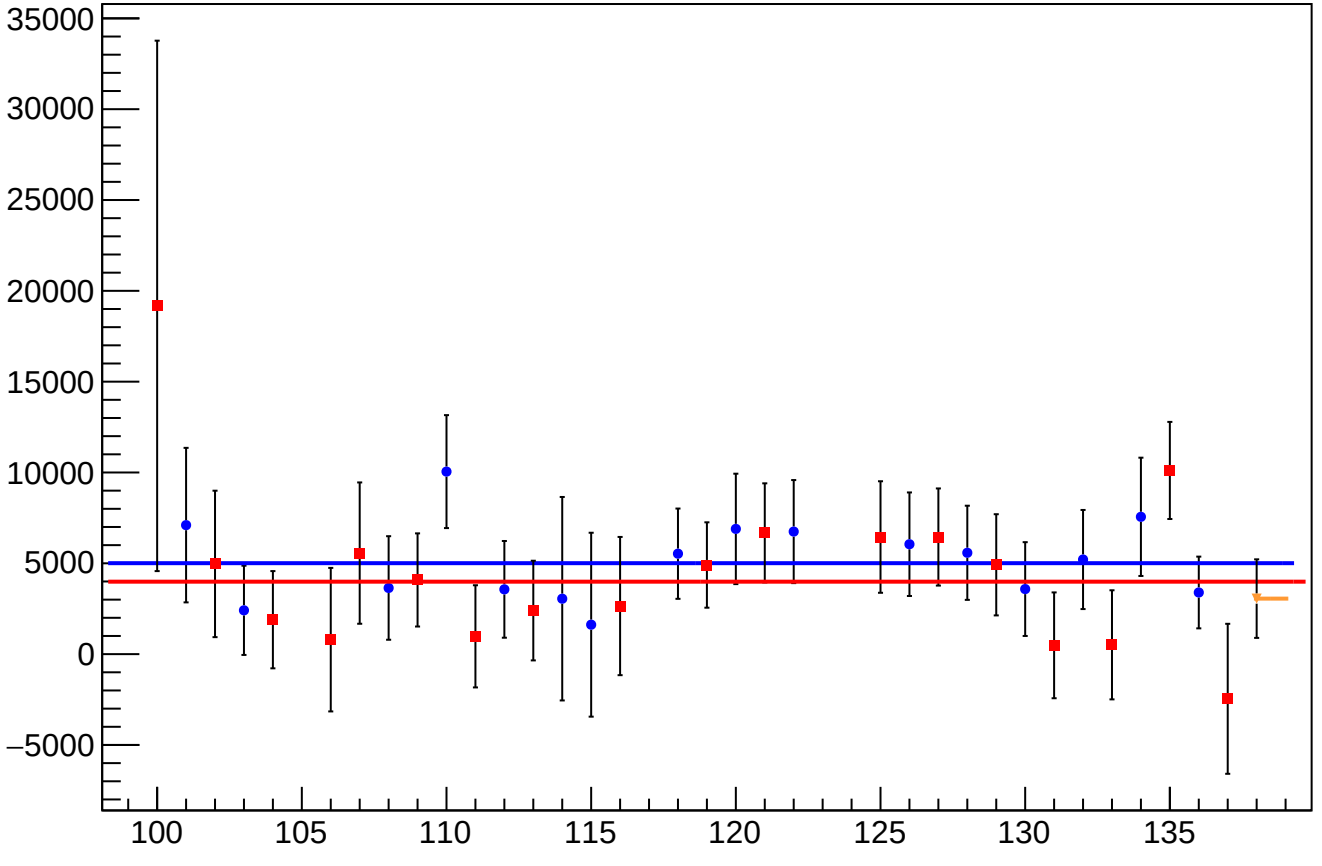
Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4481.518+/-1.243 χ^2/NDF:1362255.0/15

Out: 4394.769+/-1.172 χ^2/NDF:1708258.4/18

All: 4435.612+/-0.853 χ^2/NDF: 3073090.8/34

dit_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3056.321+/-2162.364 χ^2/NDF:0.0/0

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3056.321+/-2162.364 χ^2/NDF: 0.0/0

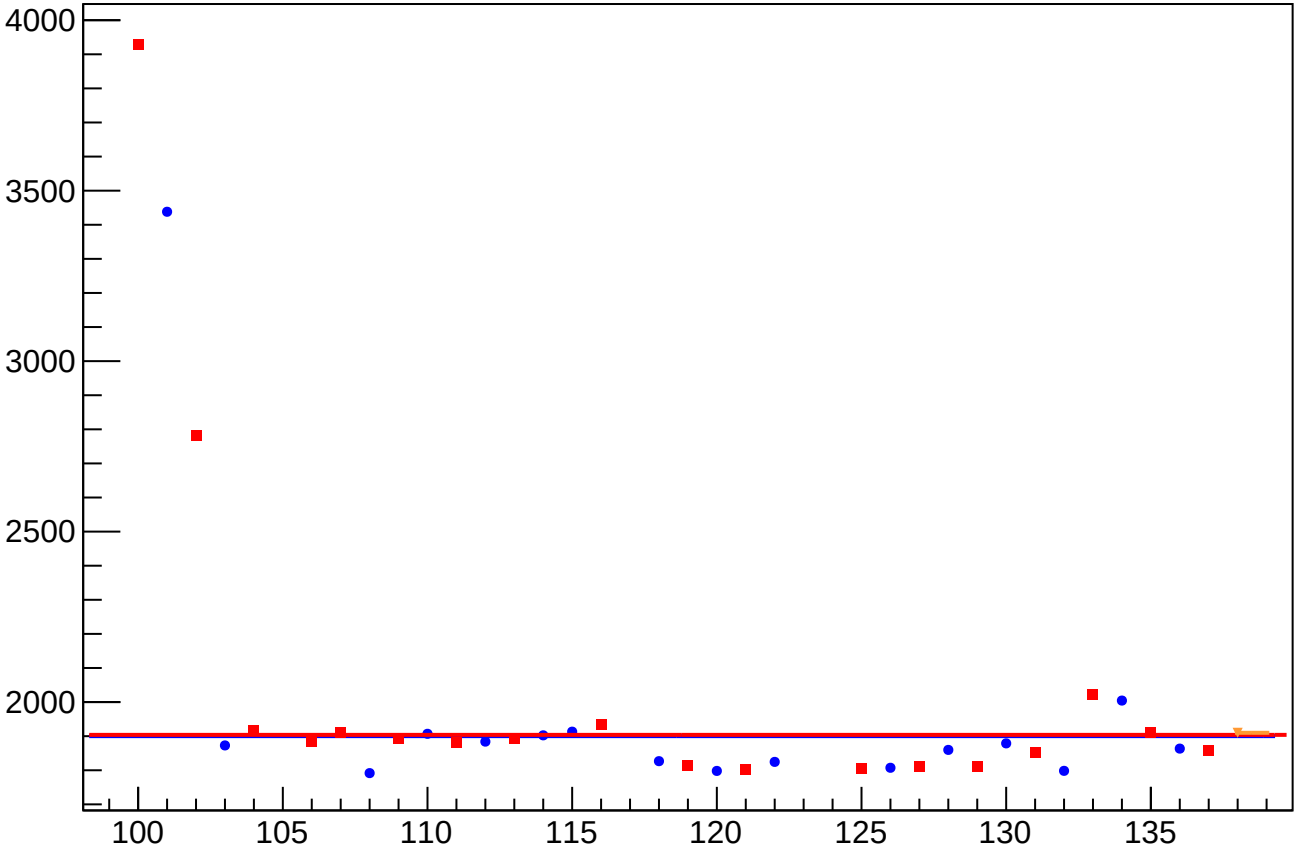
Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 5007.315+/-714.061 χ^2/NDF:7.7/15

Out: 3896.317+/-682.293 χ^2/NDF:17.5/18

All: 4426.553+/-493.303 χ^2/NDF: 26.5/34

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1909.882+/-1.529 χ^2/NDF:0.0/0

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1909.882+/-1.529 χ^2/NDF: 0.0/0

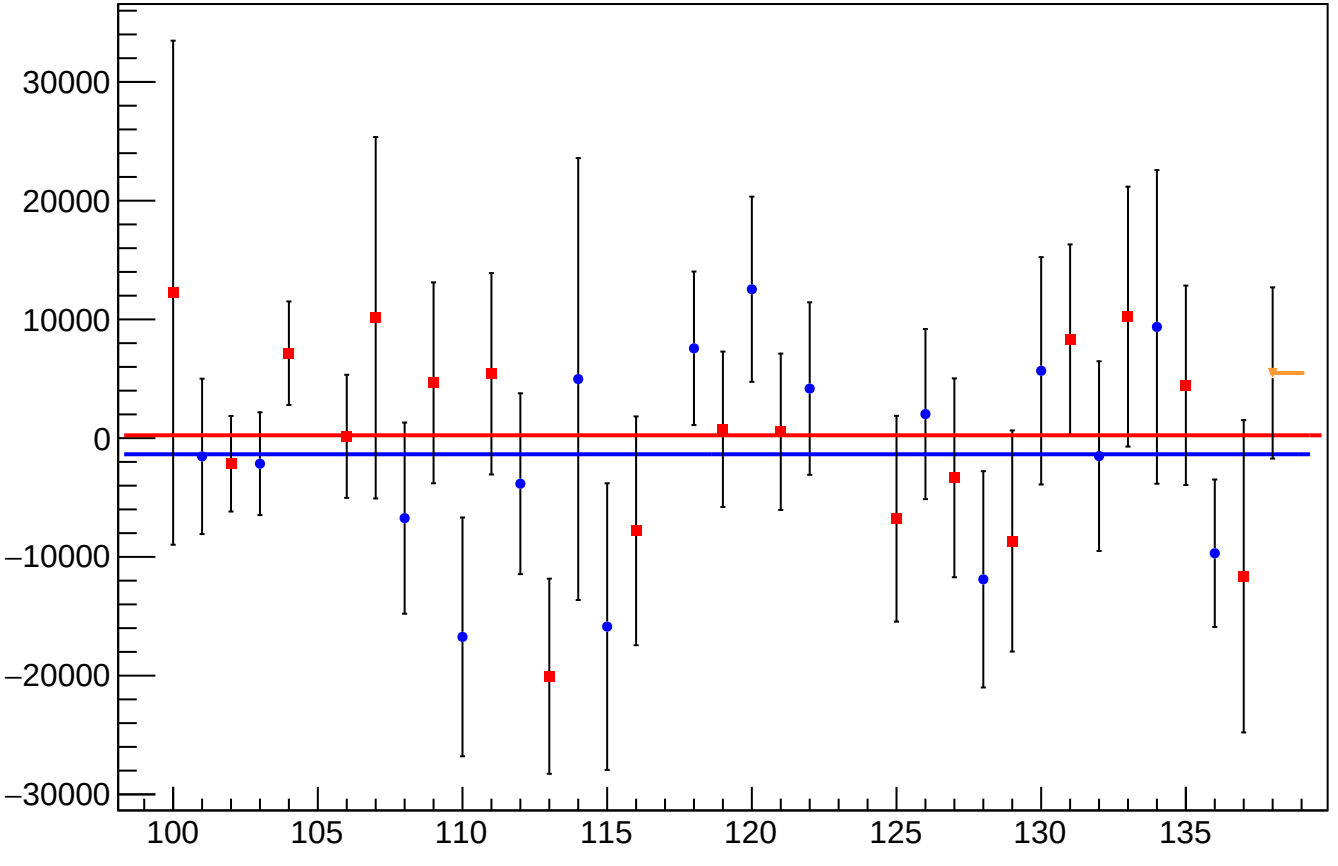
Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1900.111+/-0.505 χ^2/NDF:278448.2/15

Out: 1904.429+/-0.482 χ^2/NDF:150130.0/18

All: 1902.370+/-0.349 χ^2/NDF: 428616.4/34

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 5489.594+/-7210.103 χ^2/NDF:0.0/0

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

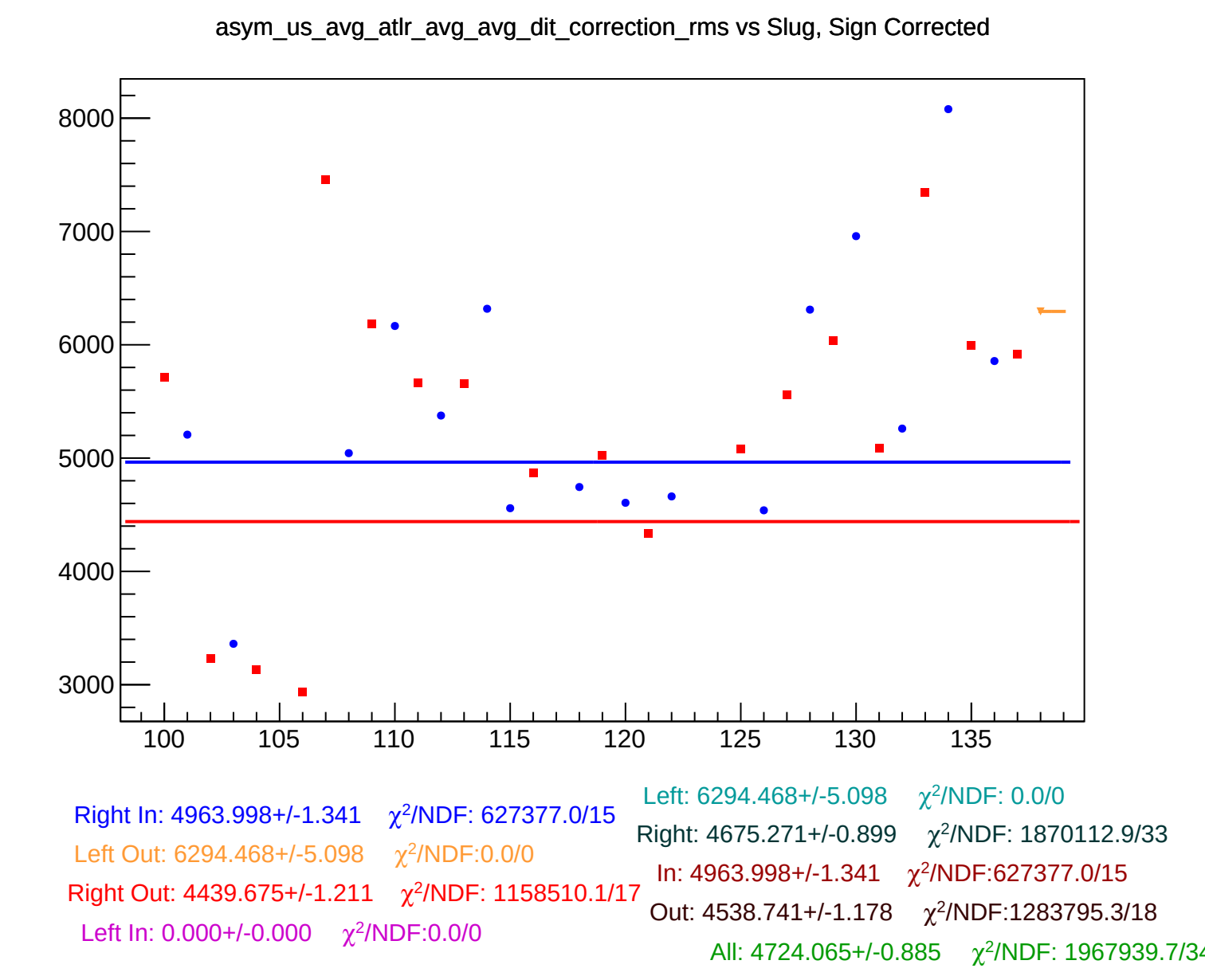
Left: 5489.594+/-7210.103 χ^2/NDF: 0.0/0

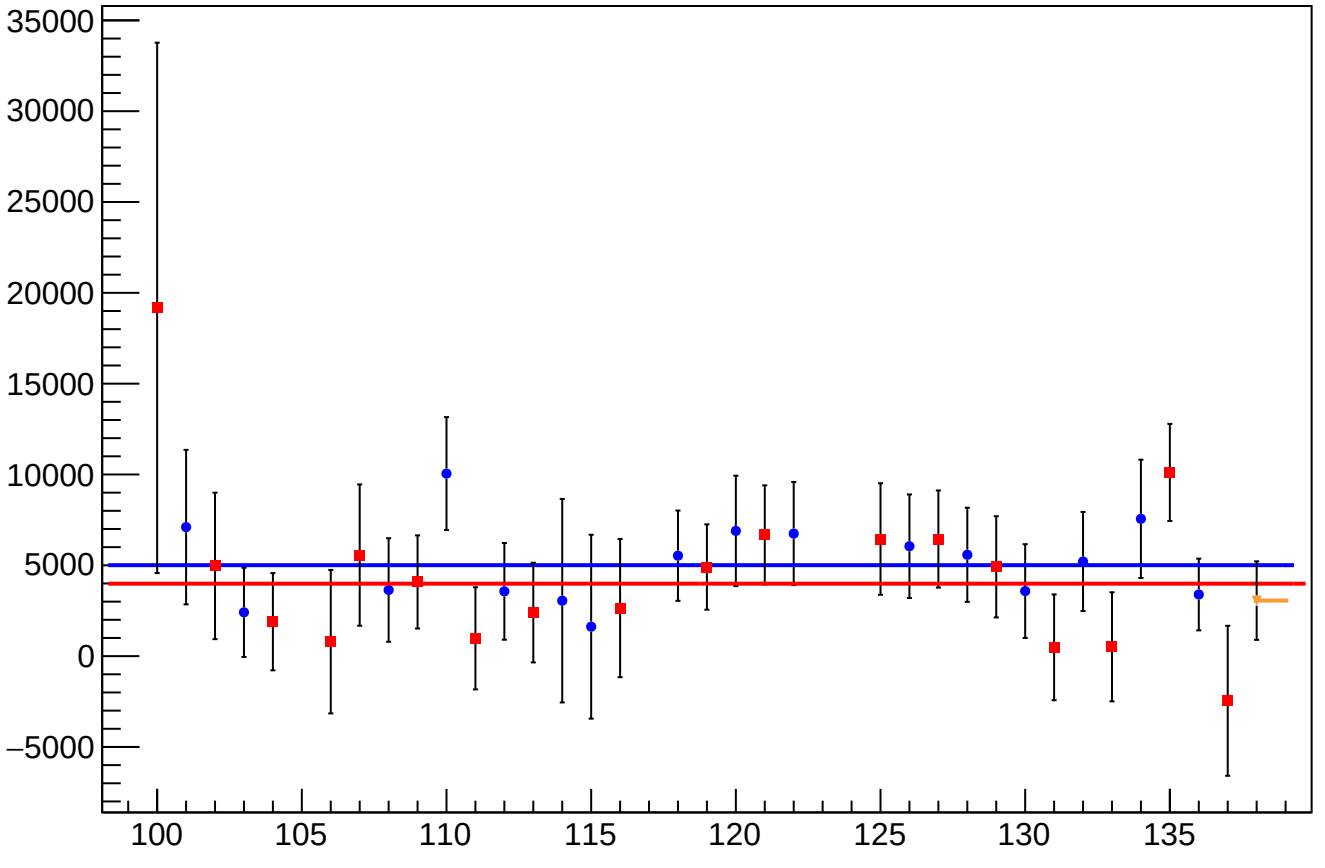
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -1356.615+/-1895.990 χ^2/NDF:14.7/15

Out: 521.478+/-1666.315 χ^2/NDF:16.2/18

All: -296.982+/-1251.631 χ^2/NDF: 31.5/34


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
Right In: 4963.998+/-1.341 χ²/NDF: 627377.0/15
Left Out: 6294.468+/-5.098 χ²/NDF:0.0/0
Right Out: 4439.675+/-1.211 χ²/NDF: 1158510.1/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 6294.468+/-5.098 χ²/NDF: 0.0/0
Right: 4675.271+/-0.899 χ²/NDF: 1870112.9/33
In: 4963.998+/-1.341 χ²/NDF:627377.0/15
Out: 4538.741+/-1.178 χ²/NDF:1283795.3/18
All: 4724.065+/-0.885 χ²/NDF: 1967939.7/34



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3056.343+/-2162.364 χ^2/NDF:0.0/0

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

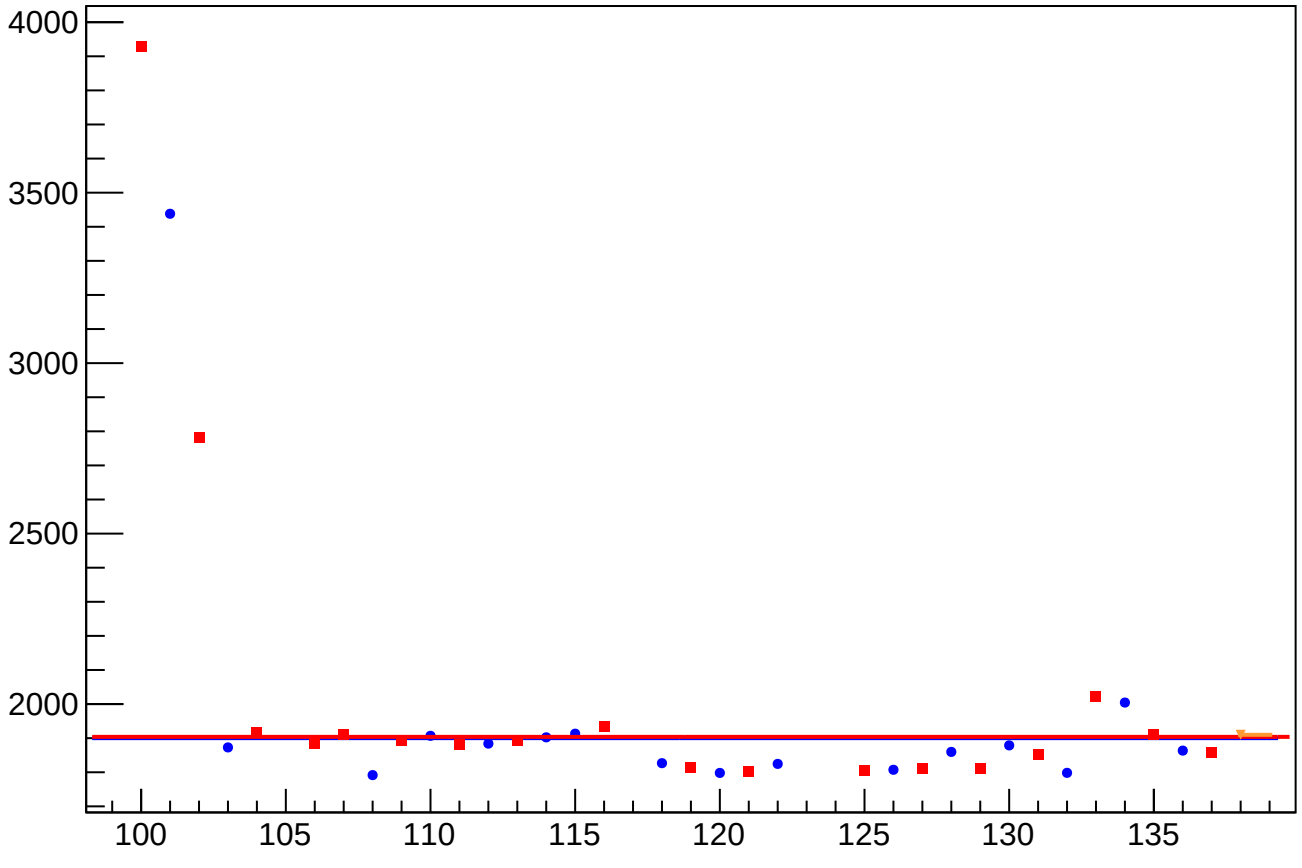
Left: 3056.343+/-2162.364 χ^2/NDF: 0.0/0

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 5007.314+/-714.061 χ^2/NDF:7.7/15

Out: 3896.318+/-682.293 χ^2/NDF:17.5/18

All: 4426.553+/-493.303 χ^2/NDF: 26.5/34



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1909.882+/-0.529 χ^2/NDF:0.0/0

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

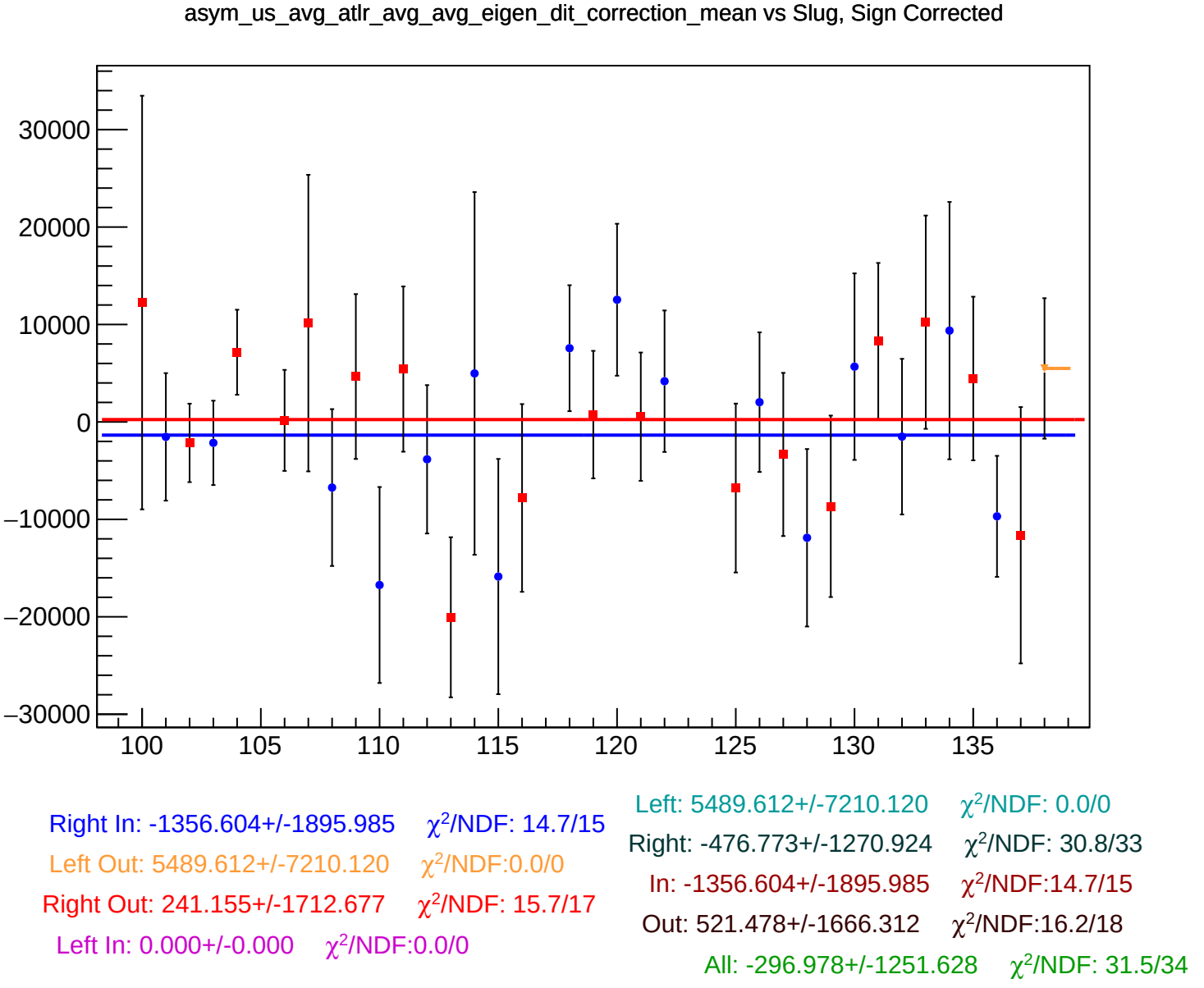
Left: 1909.882+/-1.529 χ^2/NDF: 0.0/0

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

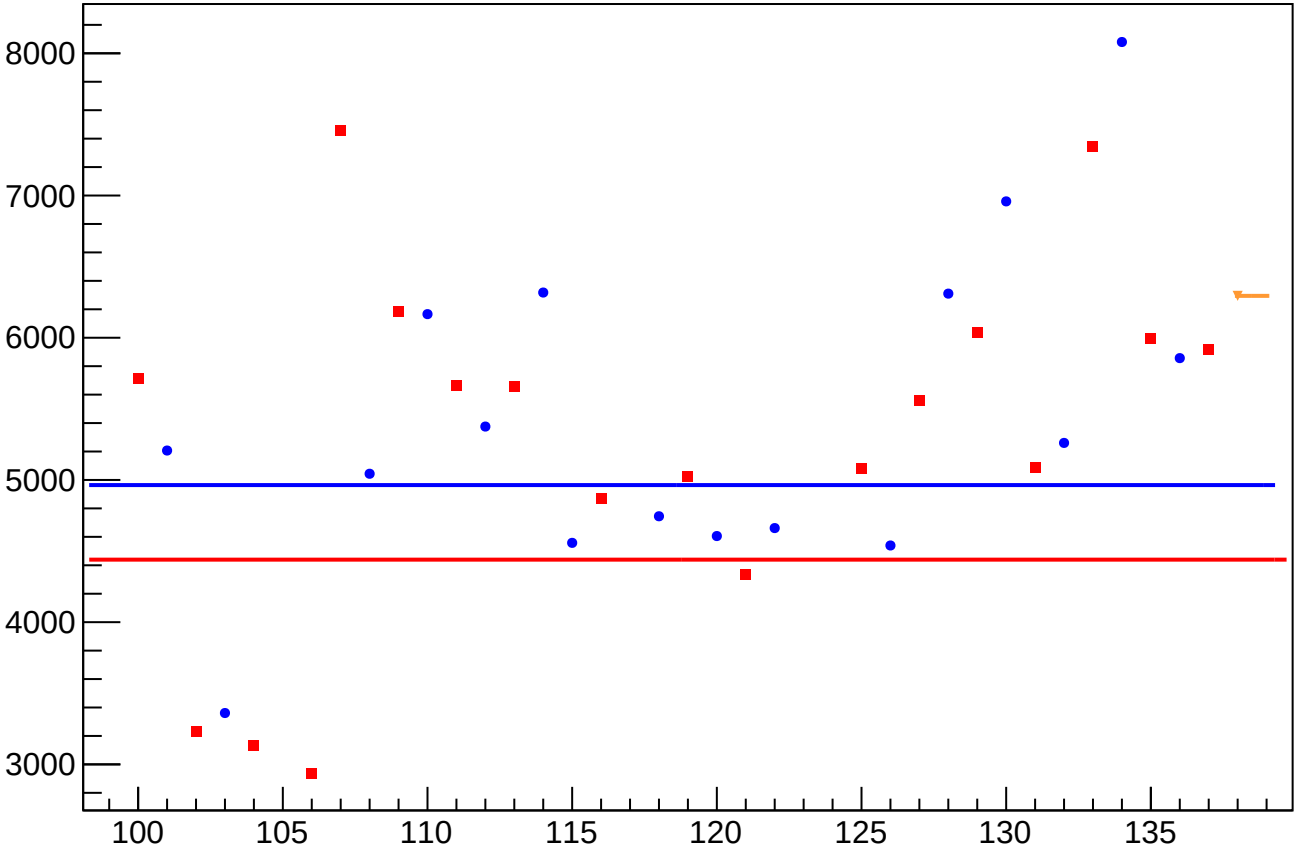
In: 1900.111+/-0.505 χ^2/NDF:278448.5/15

Out: 1904.428+/-0.482 χ^2/NDF:150129.3/18

All: 1902.370+/-0.349 χ^2/NDF: 428616.0/34


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: 5489.612+/-7210.120 χ²/NDF:0.0/0
Right Out: 241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 5489.612+/-7210.120 χ²/NDF: 0.0/0
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: -1356.604+/-1895.985 χ²/NDF:14.7/15
Out: 521.478+/-1666.312 χ²/NDF:16.2/18
All: -296.978+/-1251.628 χ²/NDF: 31.5/34

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: 6294.483+/-5.098 χ^2/NDF:0.0/0

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

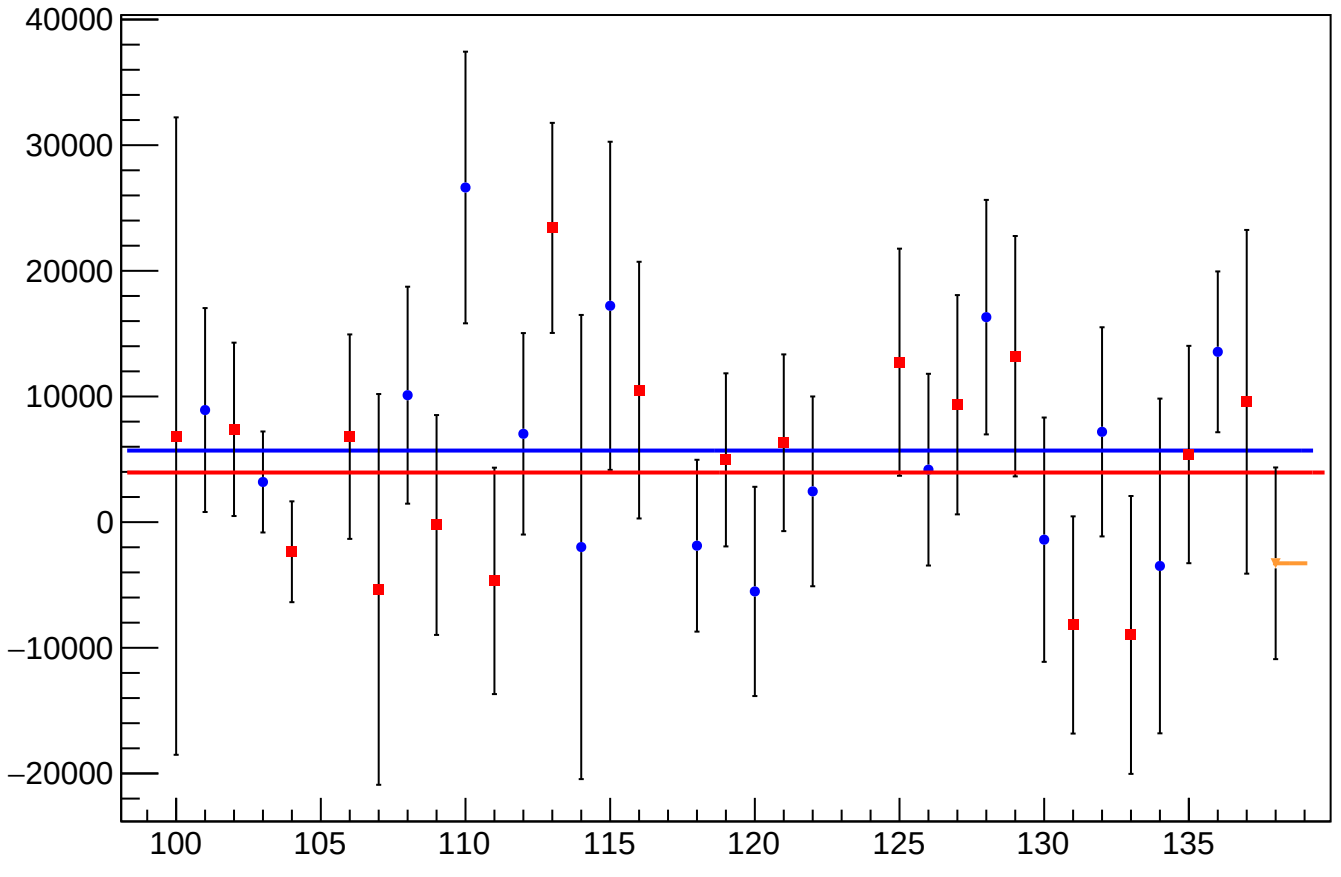
Left: 6294.483+/-5.098 χ^2/NDF: 0.0/0

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 4963.985+/-1.341 χ^2/NDF:627379.5/15

Out: 4538.730+/-1.178 χ^2/NDF:1283797.9/18

All: 4724.054+/-0.885 χ^2/NDF: 1967944.6/34



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -3274.873+/-7626.808 χ^2/NDF:0.0/0

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

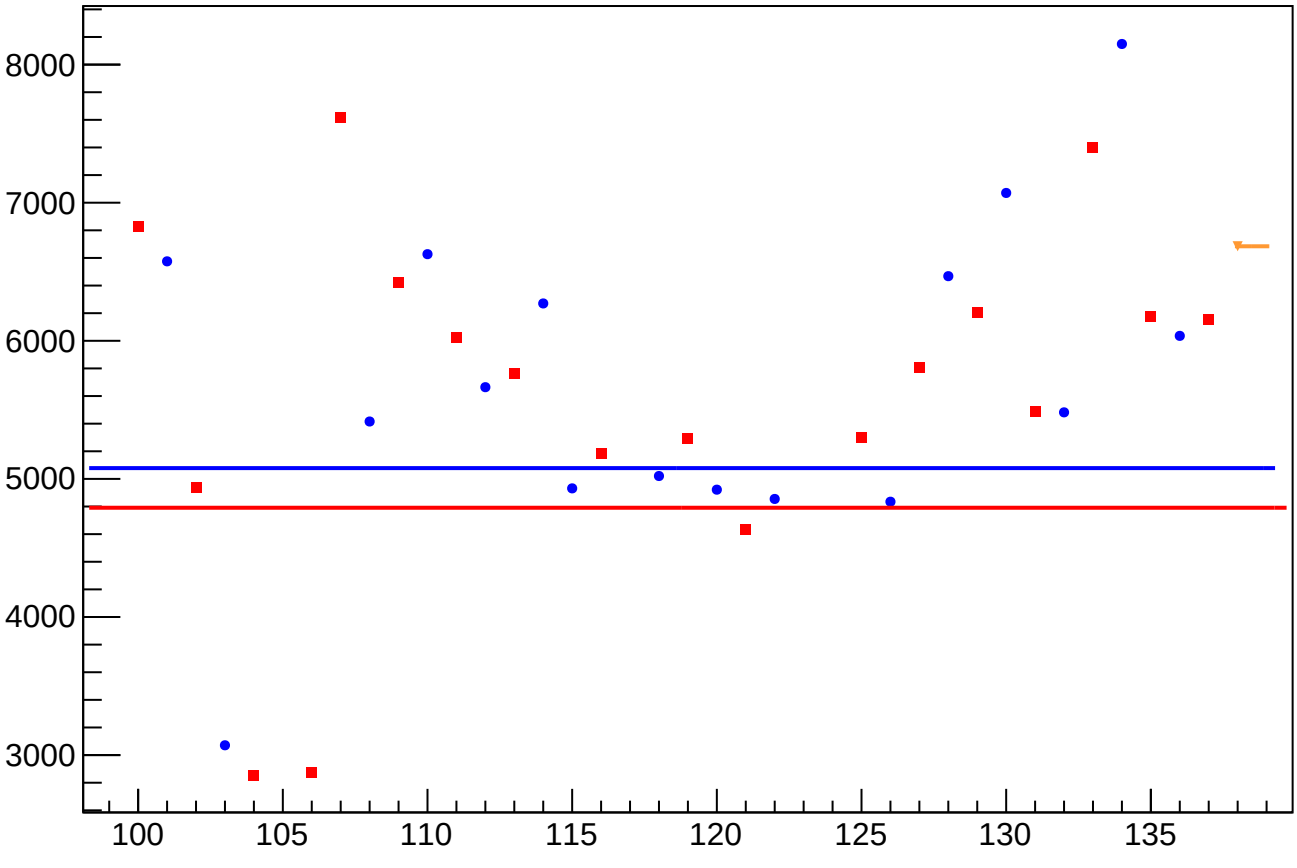
Left: -3274.873+/-7626.808 χ^2/NDF: 0.0/0

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 5697.218+/-1959.214 χ^2/NDF:12.6/15

Out: 3518.598+/-1862.438 χ^2/NDF:17.0/18

All: 4552.774+/-1349.859 χ^2/NDF: 30.3/34



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6684.428+/-5.393 χ^2/NDF:0.0/0

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

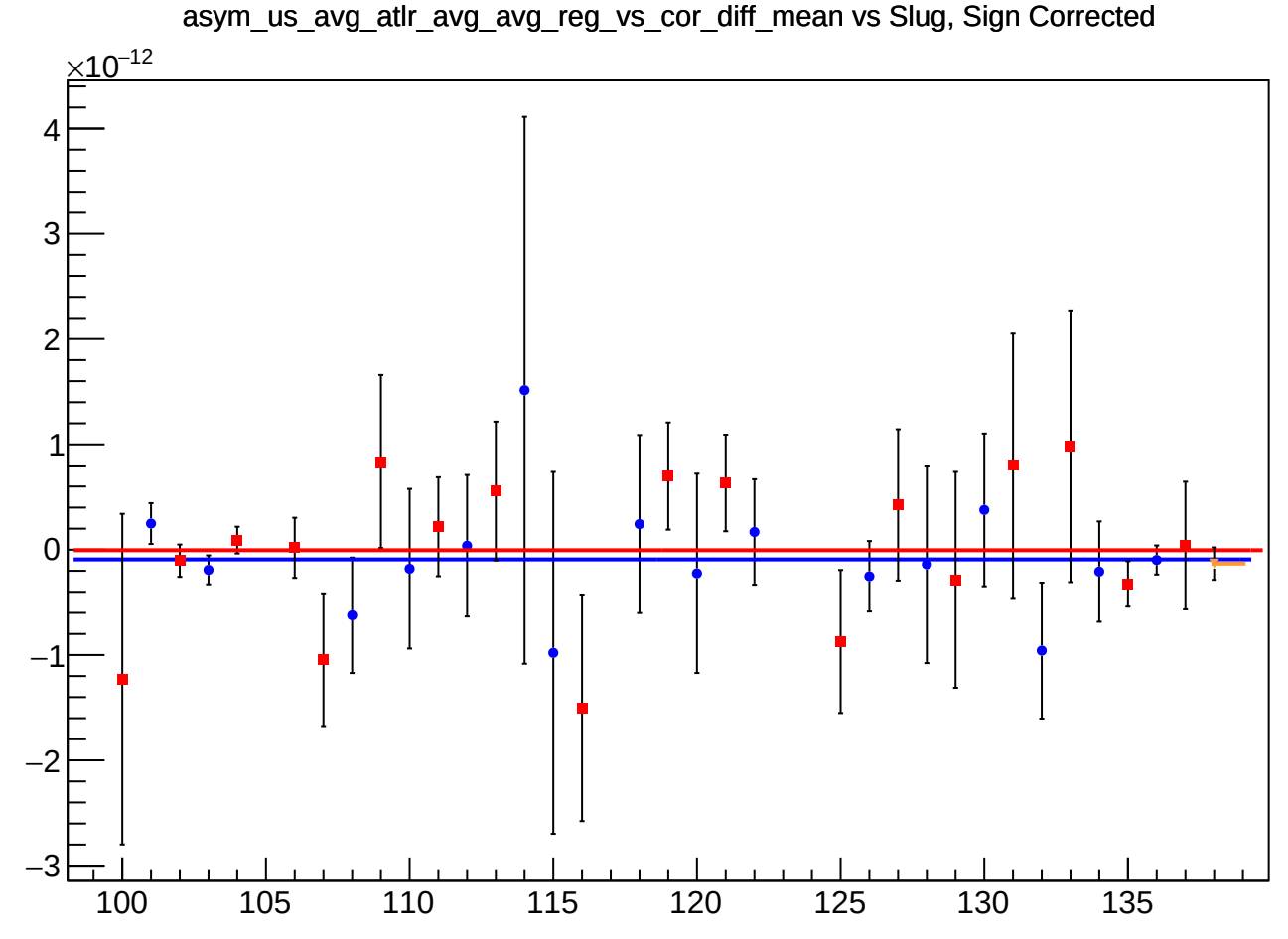
Left: 6684.428+/-5.393 χ^2/NDF: 0.0/0

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5078.157+/-1.385 χ^2/NDF:919209.4/15

Out: 4899.810+/-1.292 χ^2/NDF:1278627.8/18

All: 4982.769+/-0.945 χ^2/NDF: 2206701.4/34



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

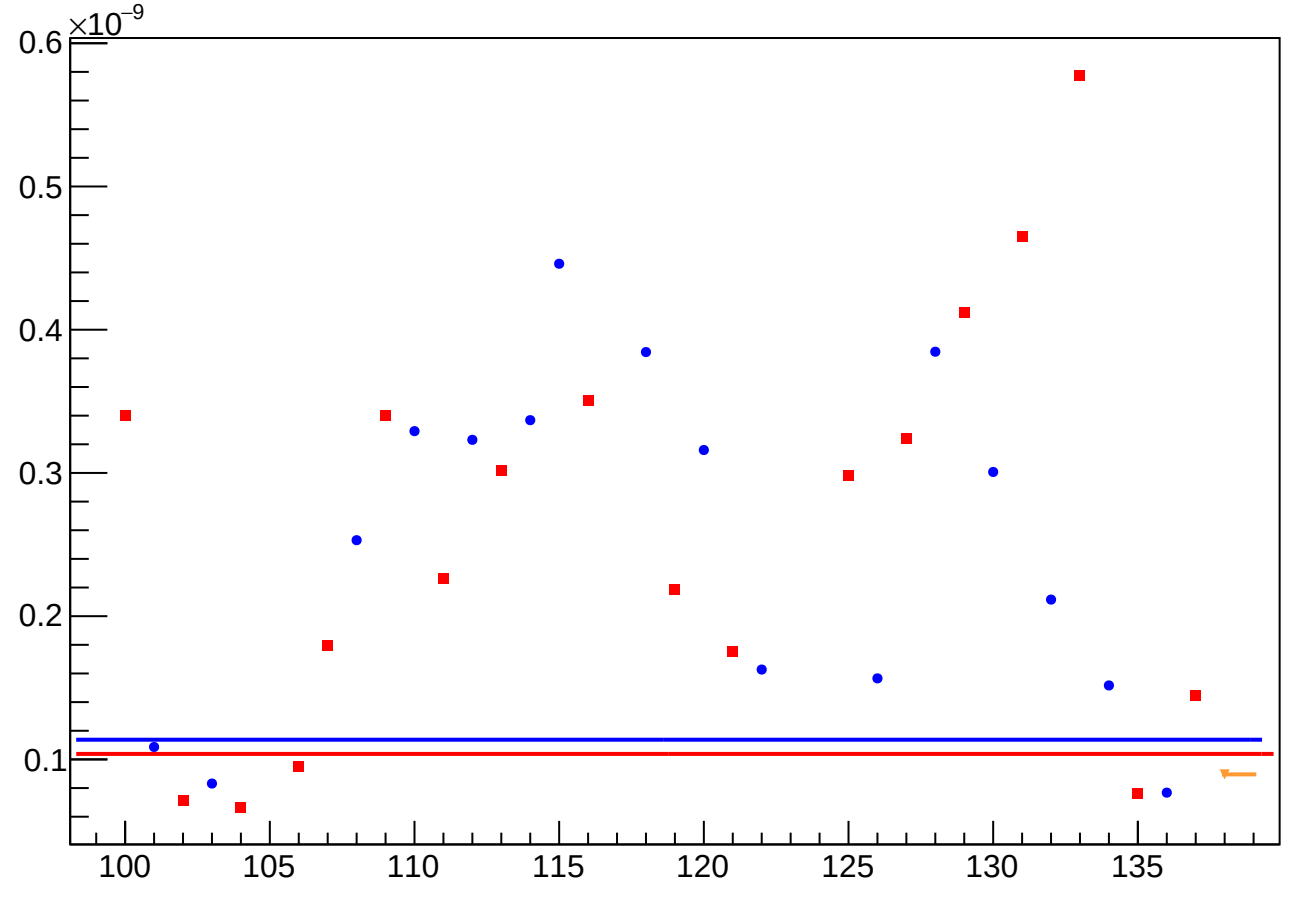
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:8.2/15

Out: -0.000+/-0.000 χ^2/NDF:17.9/18

All: -0.000+/-0.000 χ^2/NDF: 26.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

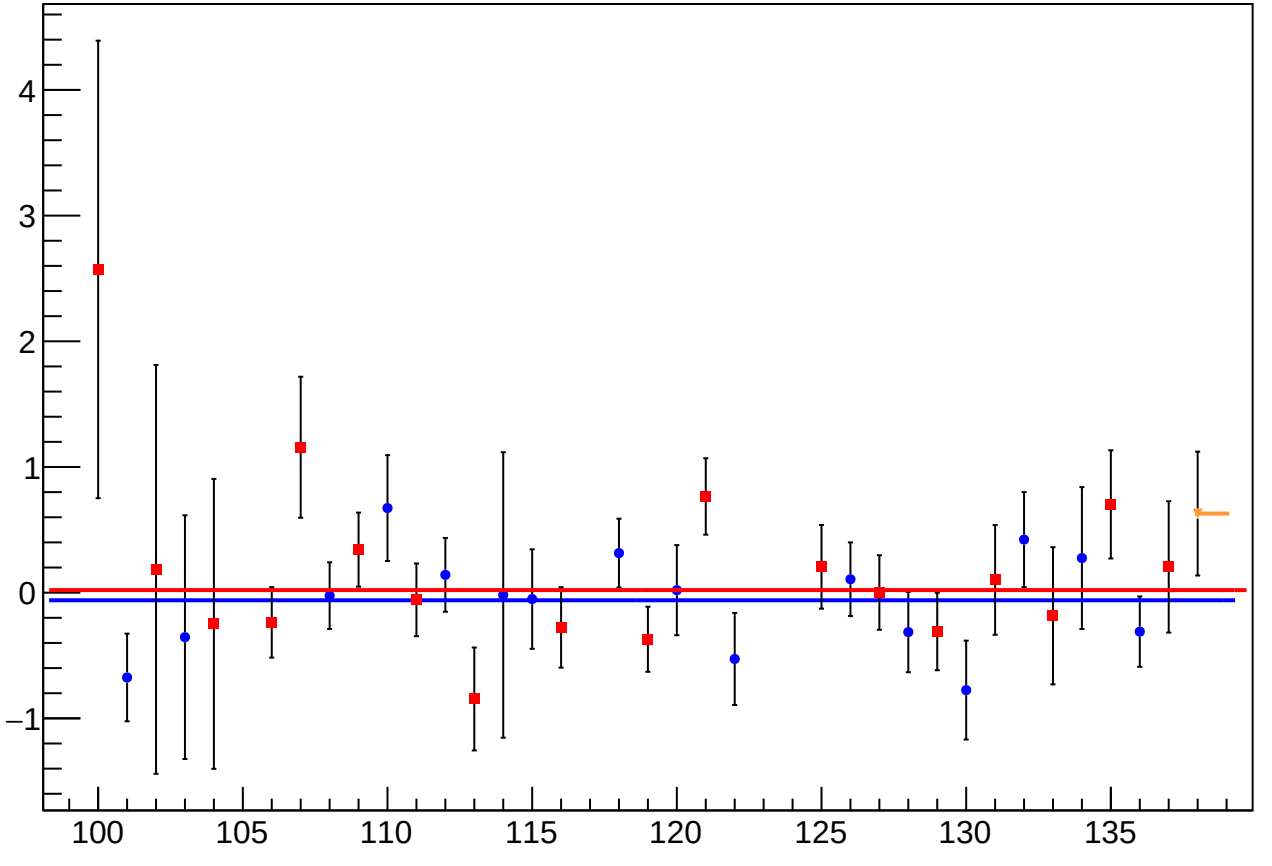
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:1524807.9/15

Out: 0.000+/-0.000 χ^2/NDF:2101289.4/18

All: 0.000+/-0.000 χ^2/NDF: 3656290.4/34

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: 0.629+/-0.493 χ^2/NDF:0.0/0

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

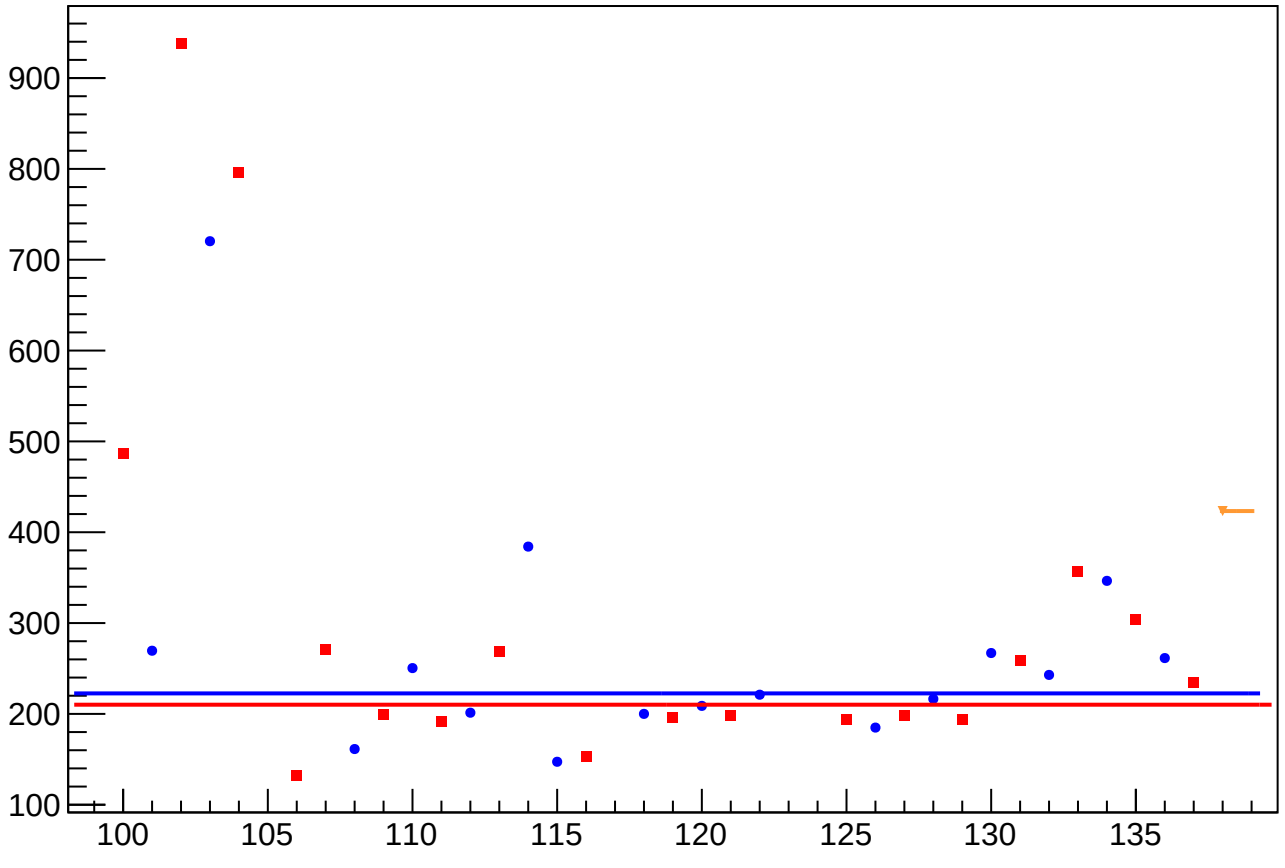
Left: 0.629+/-0.493 χ^2/NDF: 0.0/0

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.060+/-0.089 χ^2/NDF:17.3/15

Out: 0.039+/-0.086 χ^2/NDF:27.6/18

All: -0.009+/-0.062 χ^2/NDF: 45.6/34



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 423.313+/-0.349 χ^2/NDF:0.0/0

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 423.313+/-0.349 χ^2/NDF: 0.0/0

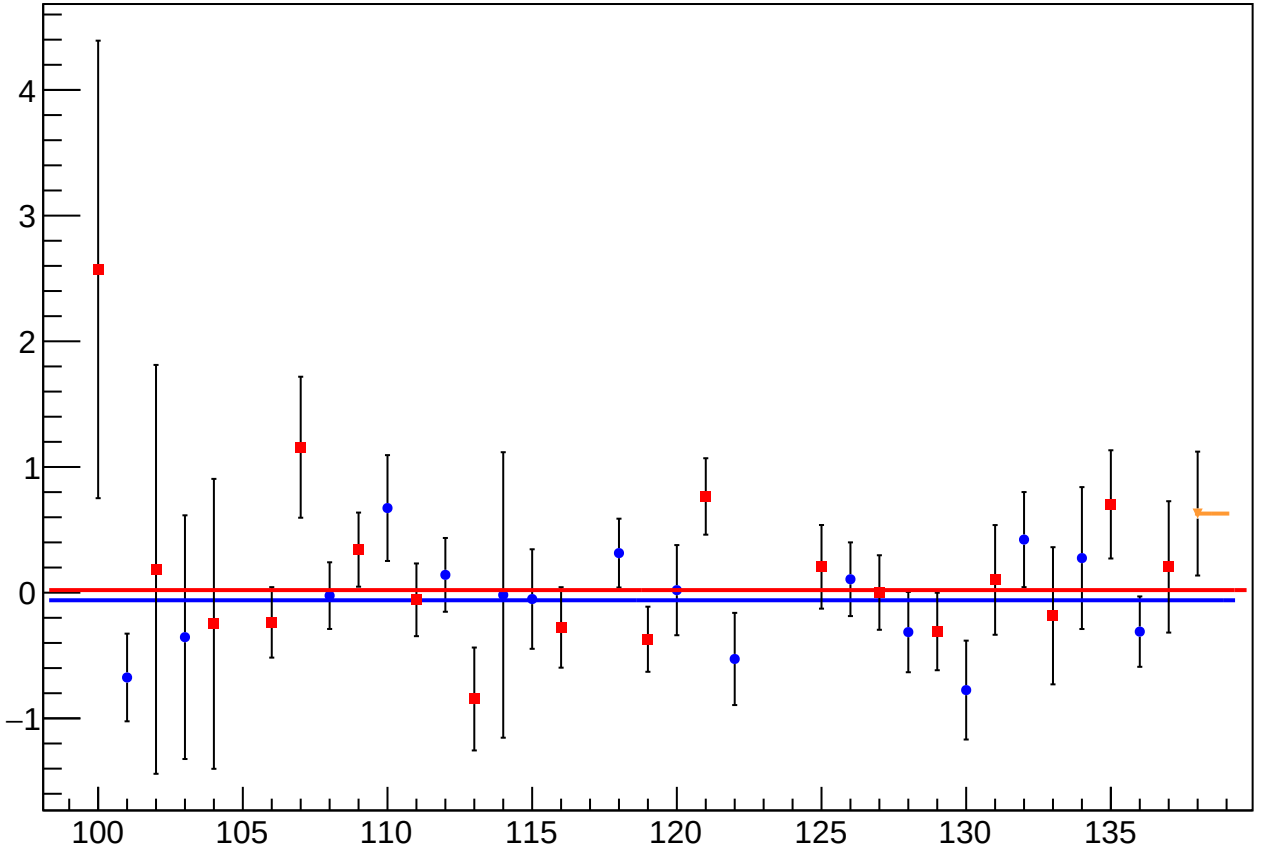
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 222.569+/-0.063 χ^2/NDF:1018774.9/15

Out: 216.626+/-0.061 χ^2/NDF:1911258.9/18

All: 219.510+/-0.044 χ^2/NDF: 2934659.1/34

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: 0.629+/-0.493 χ^2/NDF:0.0/0

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

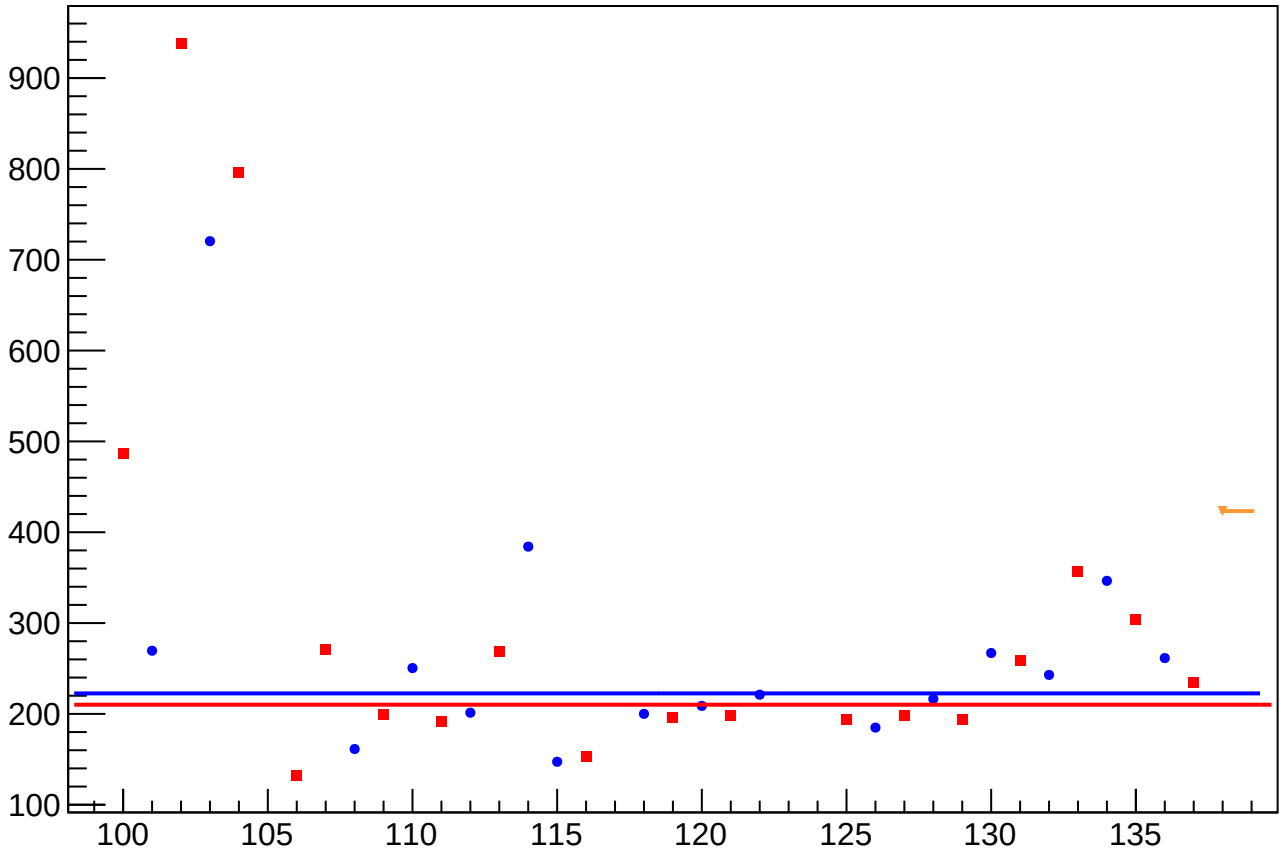
Left: 0.629+/-0.493 χ^2/NDF: 0.0/0

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.060+/-0.089 χ^2/NDF:17.3/15

Out: 0.039+/-0.086 χ^2/NDF:27.6/18

All: -0.009+/-0.062 χ^2/NDF: 45.6/34



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 423.313+/-0.349 χ^2/NDF:0.0/0

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 423.313+/-0.349 χ^2/NDF: 0.0/0

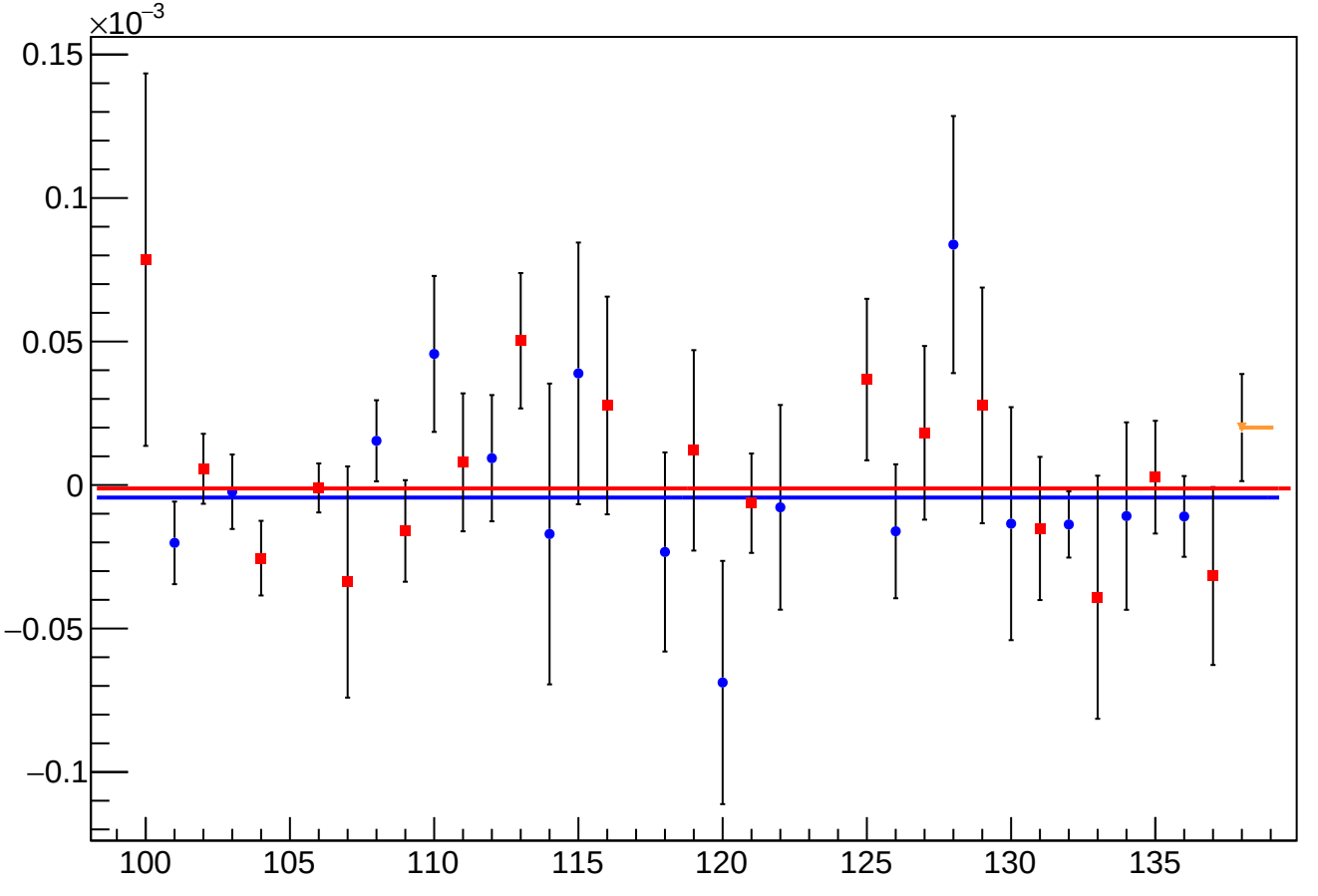
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 222.569+/-0.063 χ^2/NDF:1018774.9/15

Out: 216.626+/-0.061 χ^2/NDF:1911258.9/18

All: 219.510+/-0.044 χ^2/NDF: 2934659.1/34

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

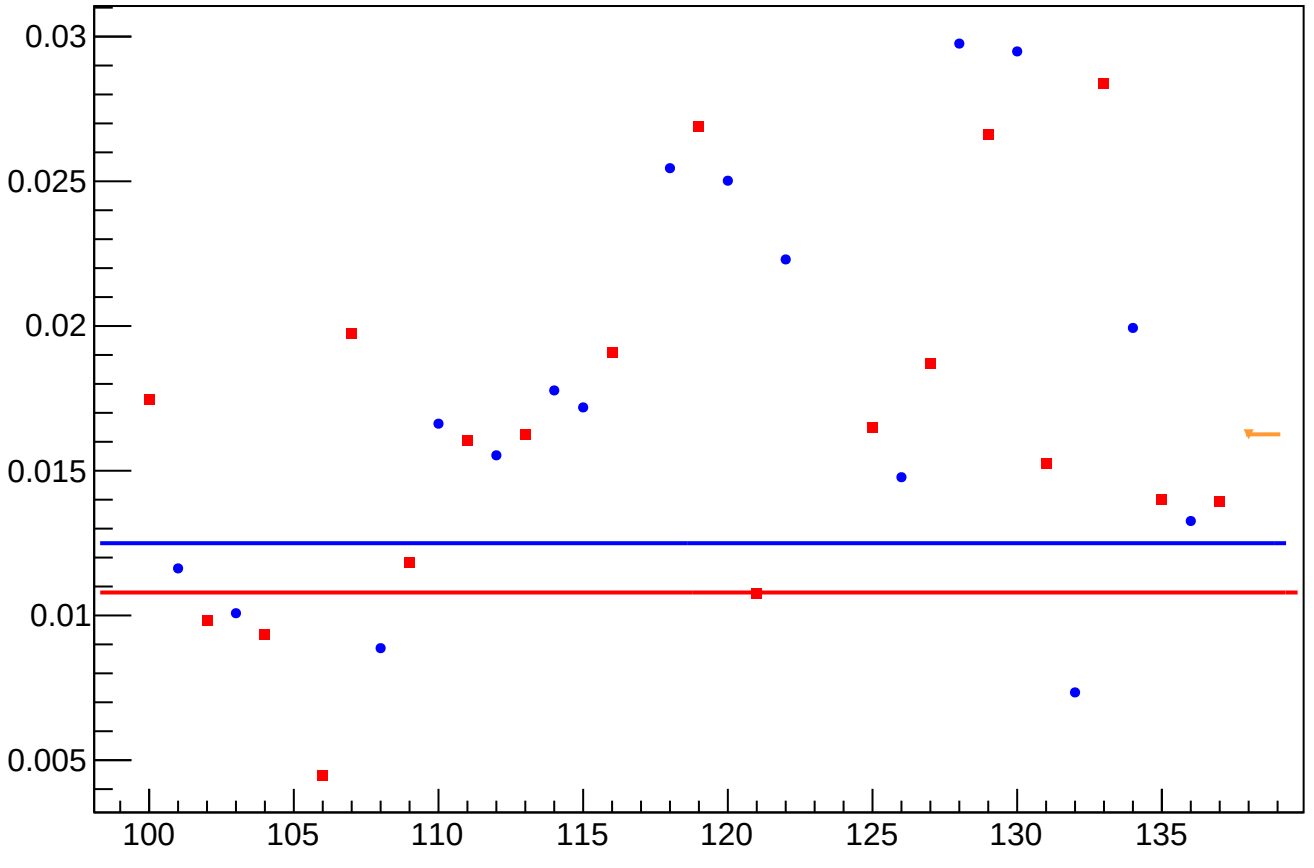
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: -0.000+/-0.000 χ^2/NDF:15.6/15

Out: 0.000+/-0.000 χ^2/NDF:18.5/18

All: -0.000+/-0.000 χ^2/NDF: 34.5/34



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.016+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.016+/-0.000 χ^2/NDF: 0.0/0

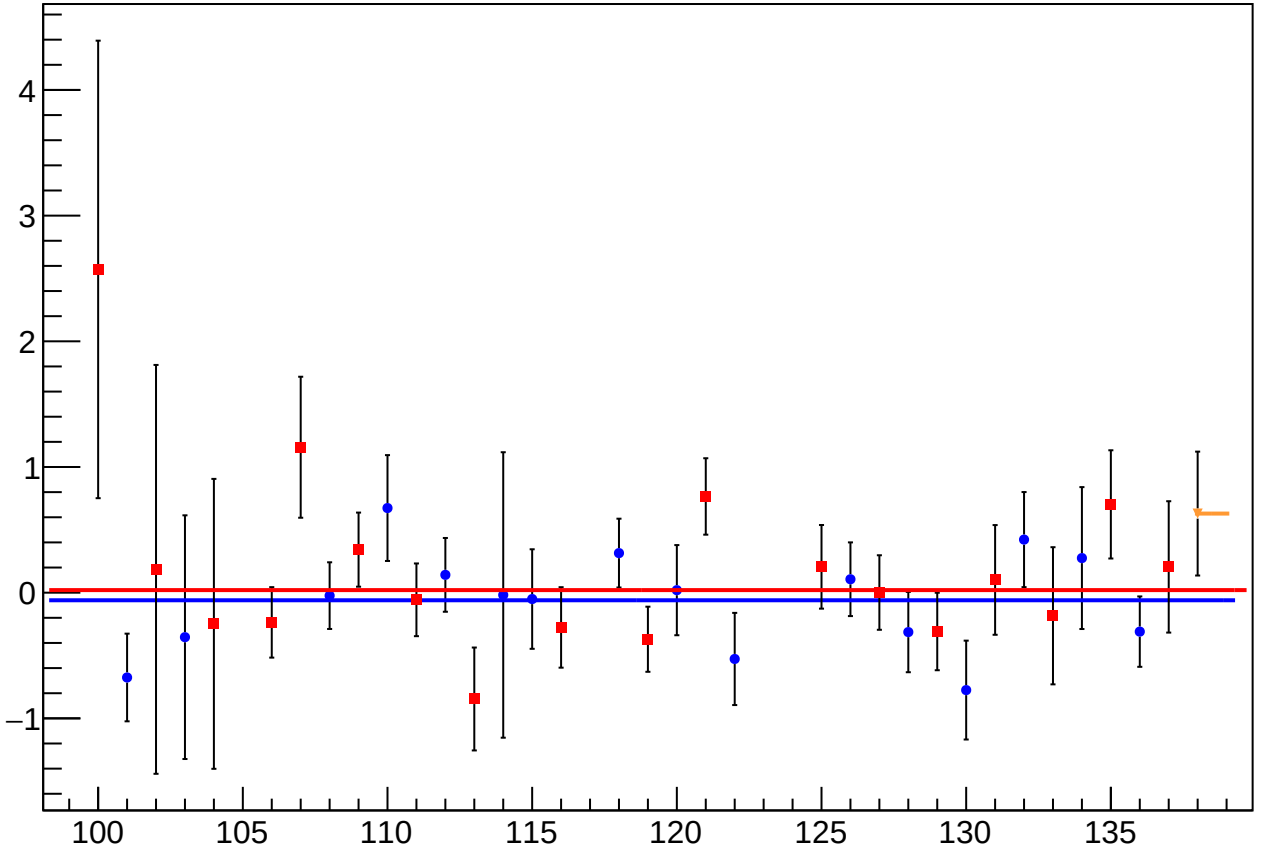
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.012+/-0.000 χ^2/NDF:2114968.1/15

Out: 0.011+/-0.000 χ^2/NDF:3149529.7/18

All: 0.012+/-0.000 χ^2/NDF: 5349264.5/34

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: 0.629+/-0.493 χ^2/NDF:0.0/0

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

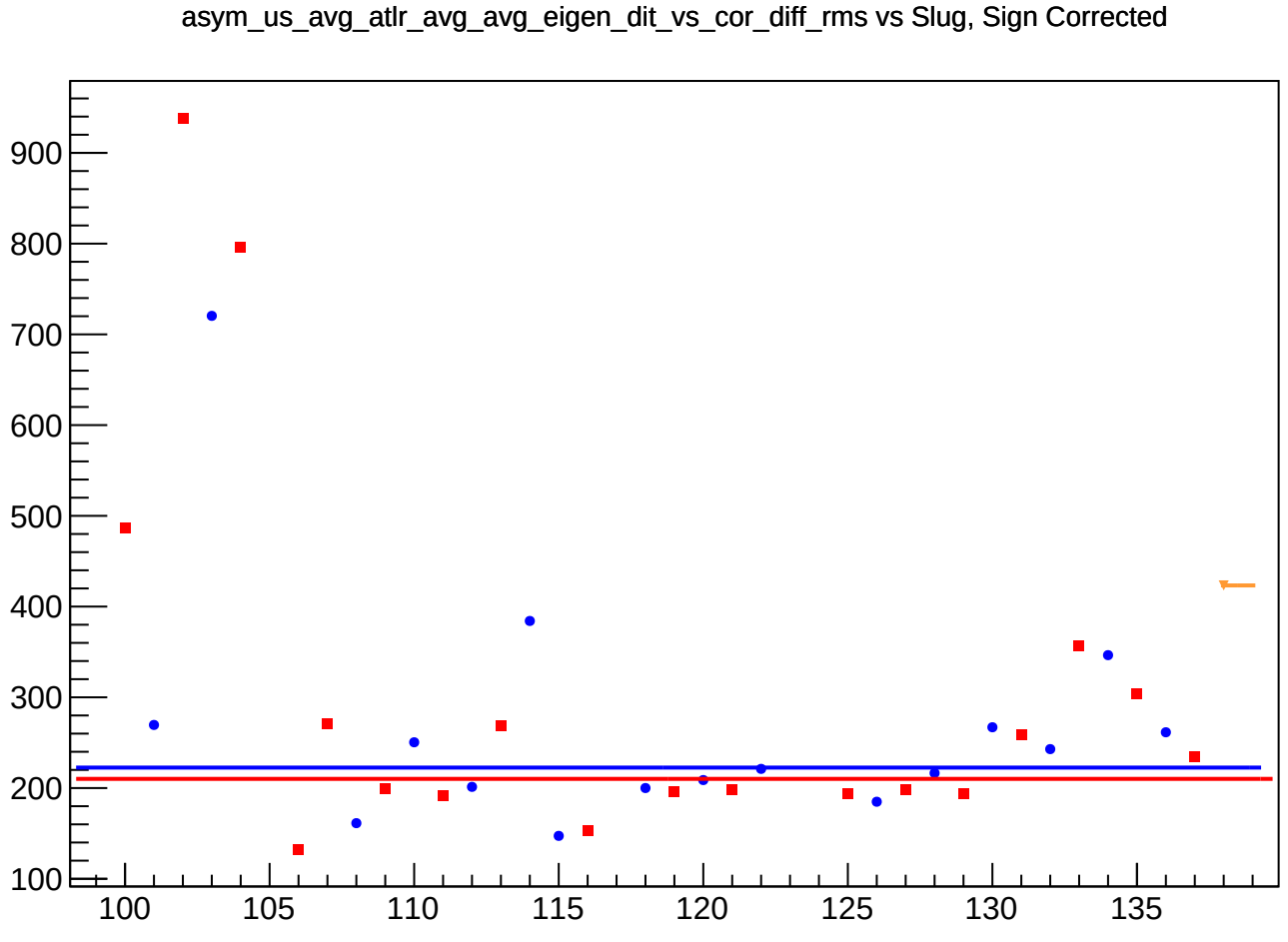
Left: 0.629+/-0.493 χ^2/NDF: 0.0/0

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.060+/-0.089 χ^2/NDF:17.3/15

Out: 0.039+/-0.086 χ^2/NDF:27.6/18

All: -0.009+/-0.062 χ^2/NDF: 45.6/34



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 423.316+/-0.349 χ^2/NDF:0.0/0

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 423.316+/-0.349 χ^2/NDF: 0.0/0

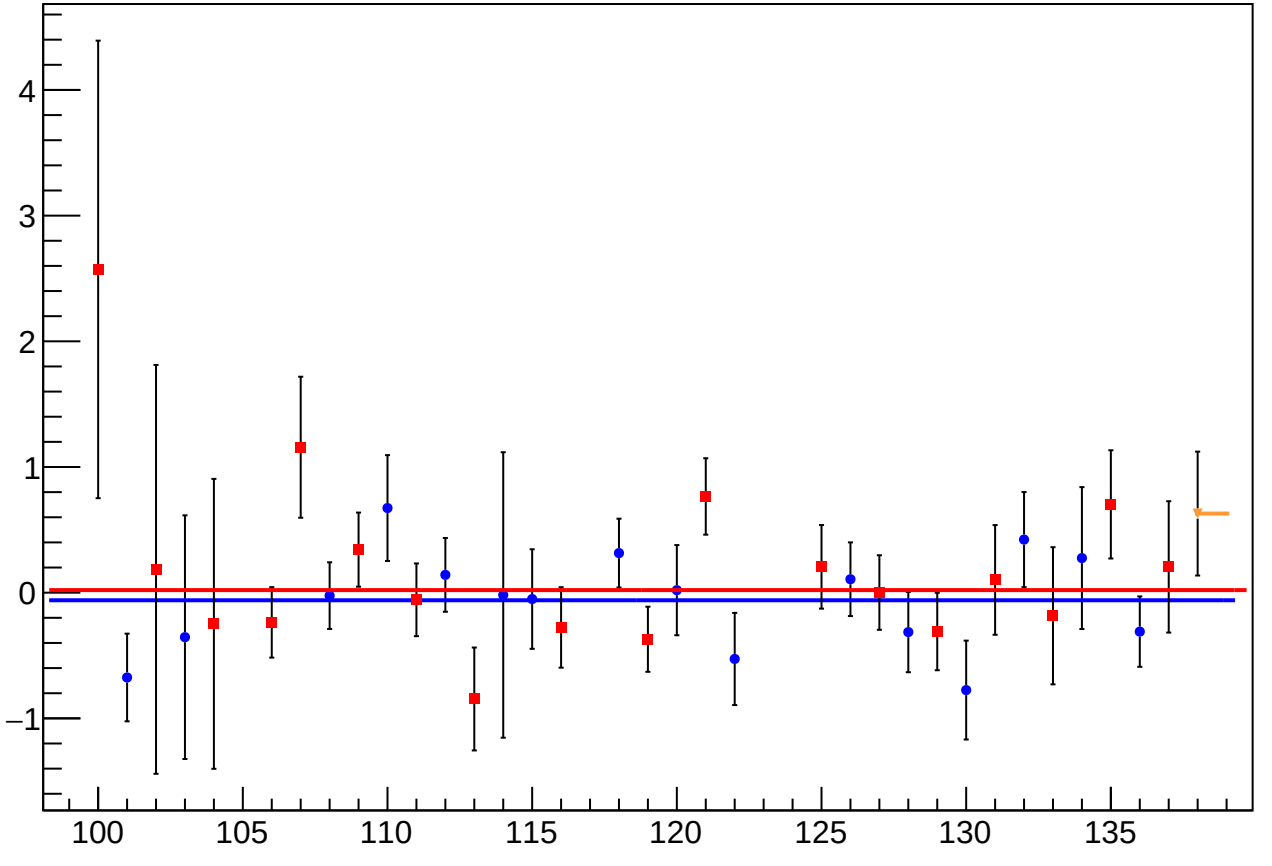
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 222.567+/-0.063 χ^2/NDF:1018760.3/15

Out: 216.623+/-0.061 χ^2/NDF:1911256.8/18

All: 219.508+/-0.044 χ^2/NDF: 2934644.0/34

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: 0.629+/-0.493 χ^2/NDF:0.0/0

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.629+/-0.493 χ^2/NDF: 0.0/0

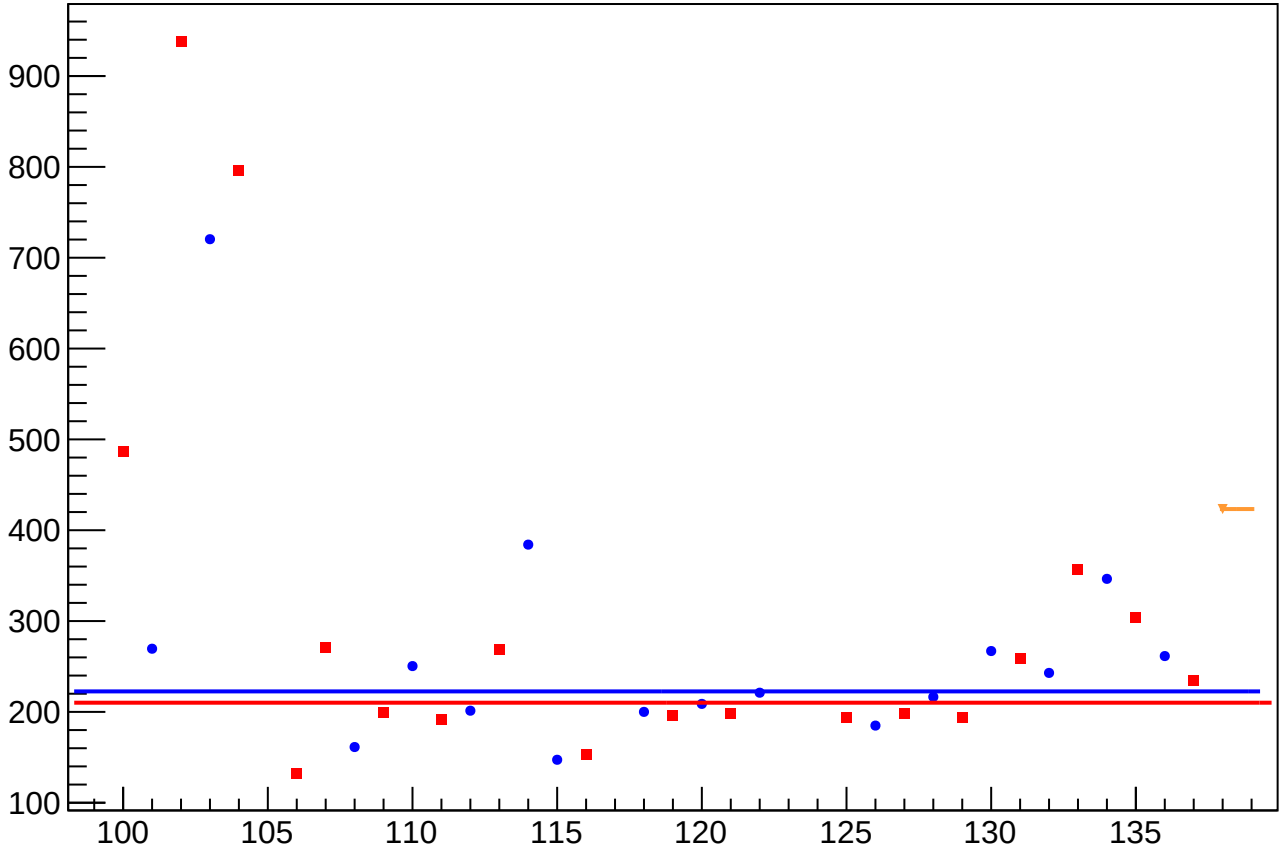
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.060+/-0.089 χ^2/NDF:17.3/15

Out: 0.039+/-0.086 χ^2/NDF:27.6/18

All: -0.009+/-0.062 χ^2/NDF: 45.6/34

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: 423.316+/-0.349 χ^2/NDF:0.0/0

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

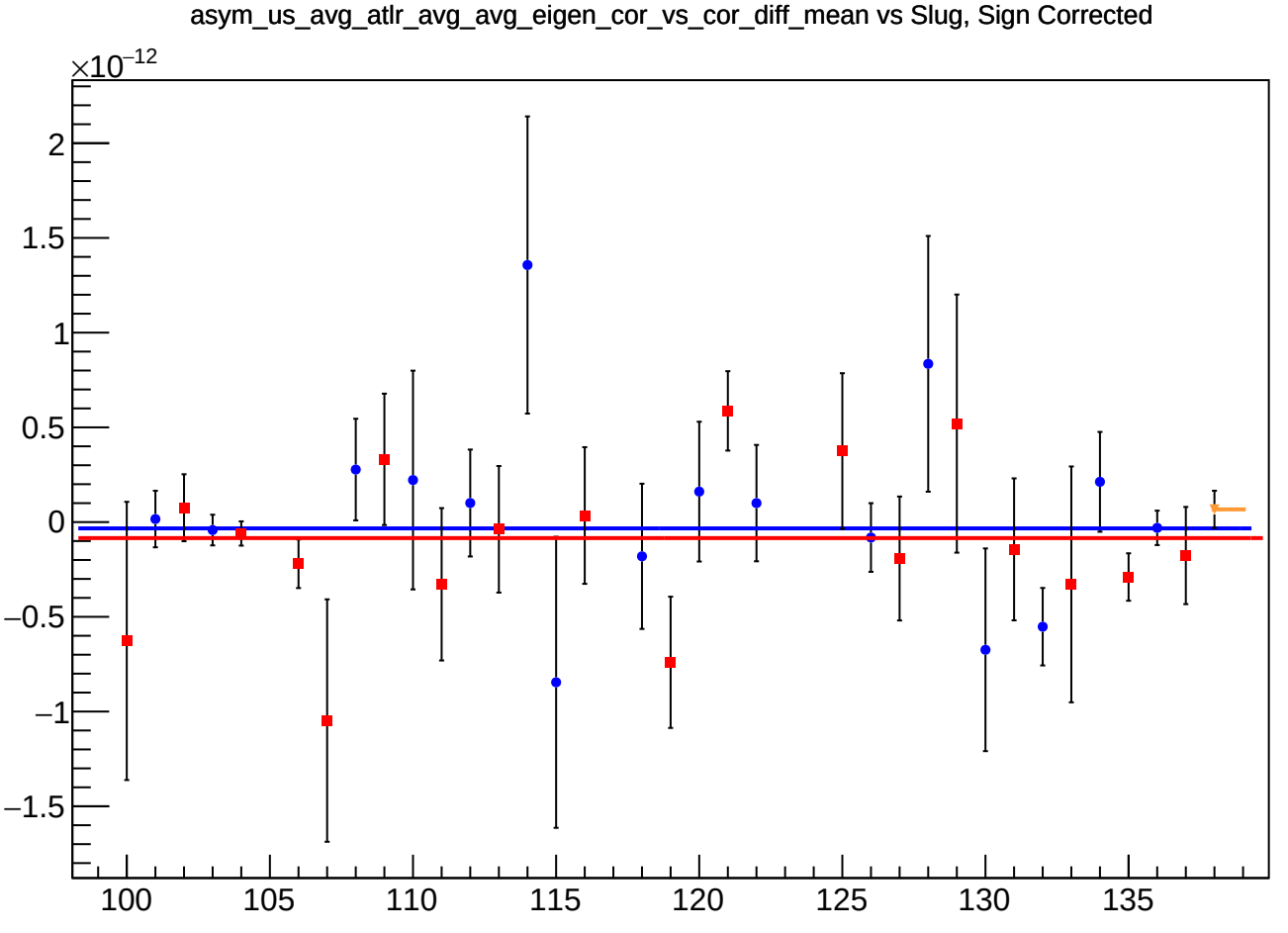
Left: 423.316+/-0.349 χ^2/NDF: 0.0/0

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 222.567+/-0.063 χ^2/NDF:1018760.3/15

Out: 216.623+/-0.061 χ^2/NDF:1911256.8/18

All: 219.508+/-0.044 χ^2/NDF: 2934644.0/34



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

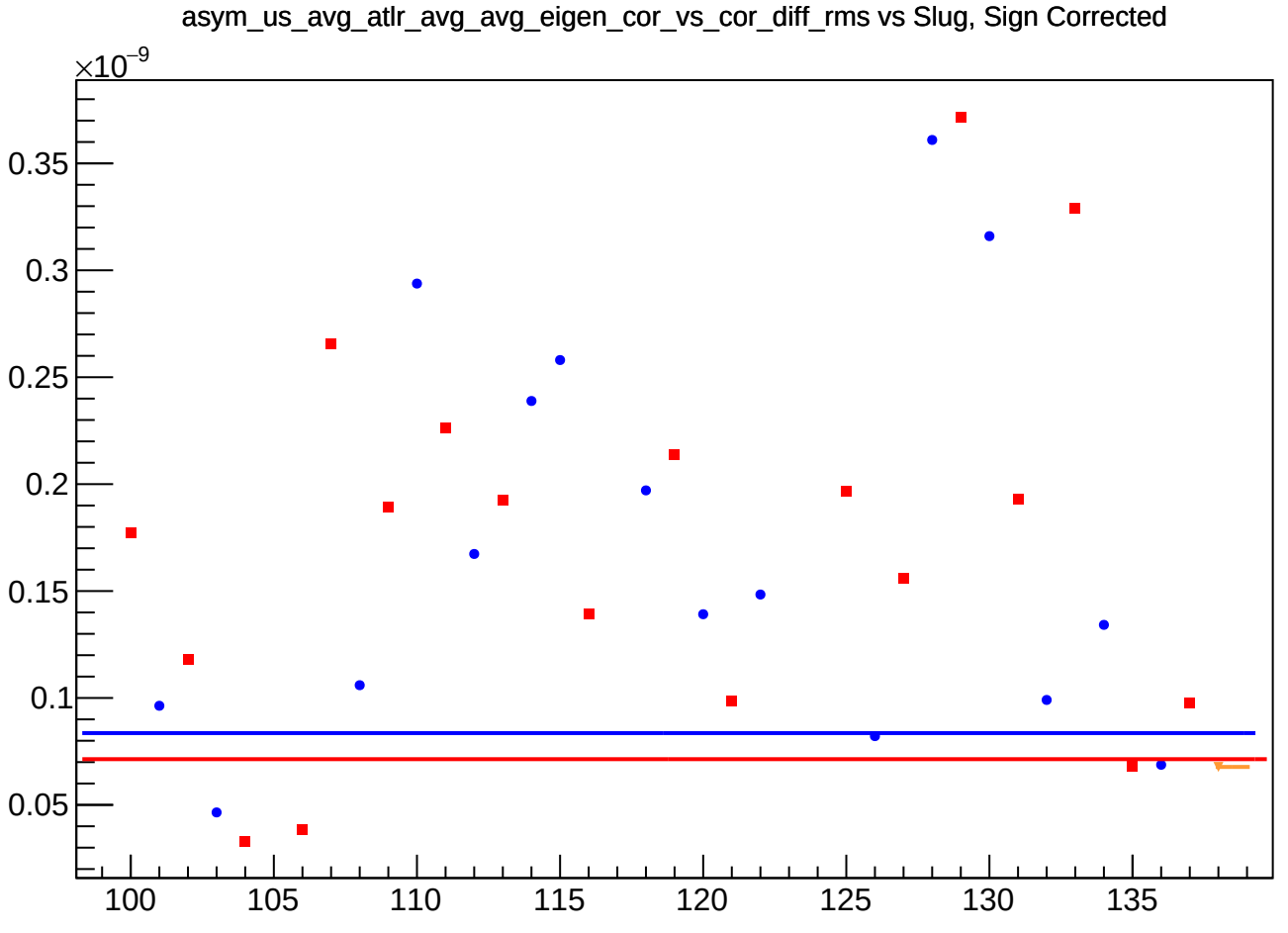
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:17.2/15

Out: -0.000+/-0.000 χ^2/NDF:27.8/18

All: -0.000+/-0.000 χ^2/NDF: 45.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

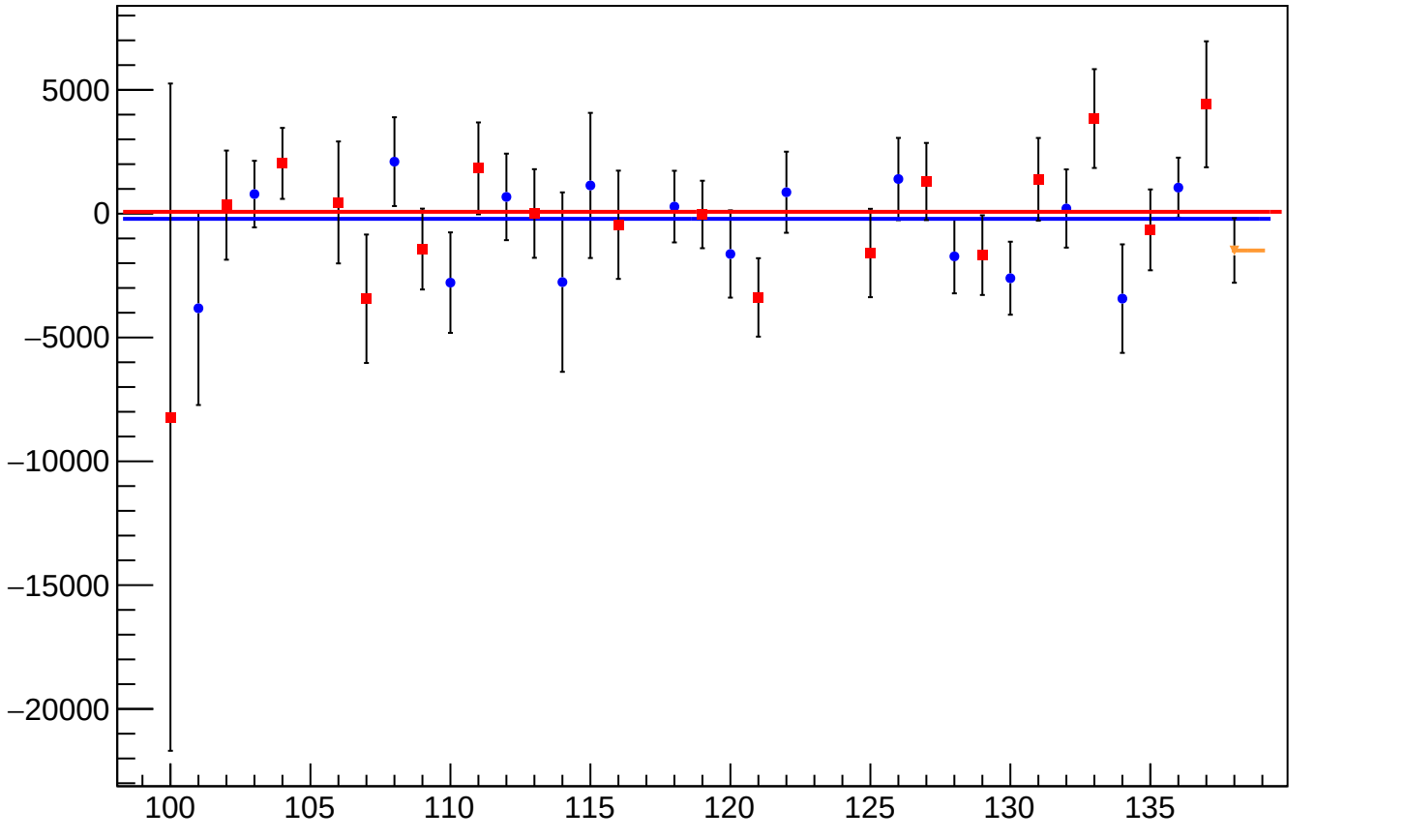
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 6051897.3/33

In: 0.000+/-0.000 χ^2/NDF:2235431.4/15

Out: 0.000+/-0.000 χ^2/NDF:3747455.9/18

All: 0.000+/-0.000 χ^2/NDF: 6068296.6/34



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: -1485.839+/-1302.668 χ^2/NDF:0.0/0

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

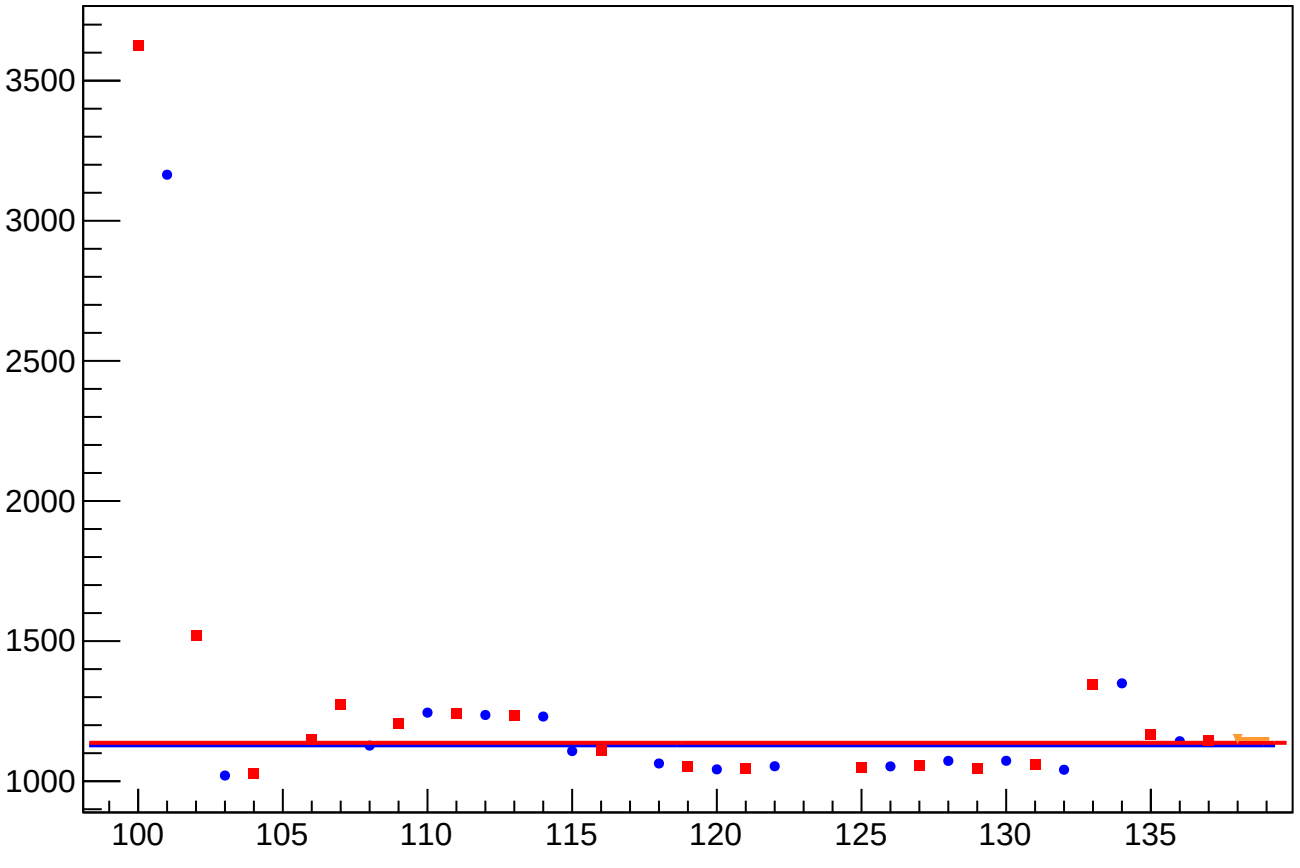
Left: -1485.839+/-1302.668 χ^2/NDF: 0.0/0

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -208.338+/-429.155 χ^2/NDF:14.8/15

Out: -78.294+/-408.980 χ^2/NDF:21.9/18

All: -140.188+/-296.068 χ^2/NDF: 36.8/34



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1150.762+/-0.921 χ^2/NDF:0.0/0

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

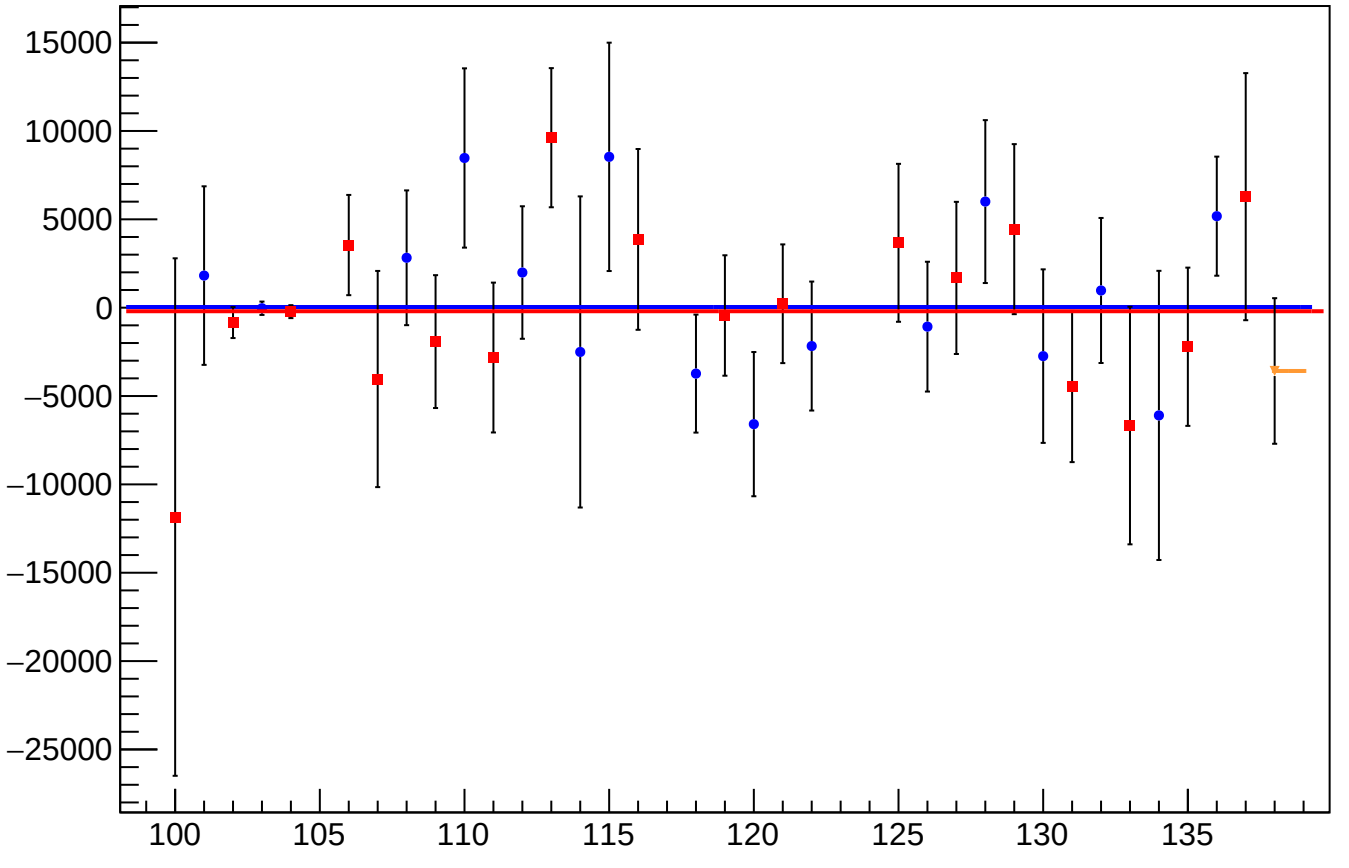
Left: 1150.762+/-0.921 χ^2/NDF: 0.0/0

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1128.007+/-0.303 χ^2/NDF:621394.5/15

Out: 1138.389+/-0.289 χ^2/NDF:220286.2/18

All: 1133.456+/-0.209 χ^2/NDF: 842295.1/34



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -3582.279+/-4119.547 χ^2/NDF:0.0/0

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

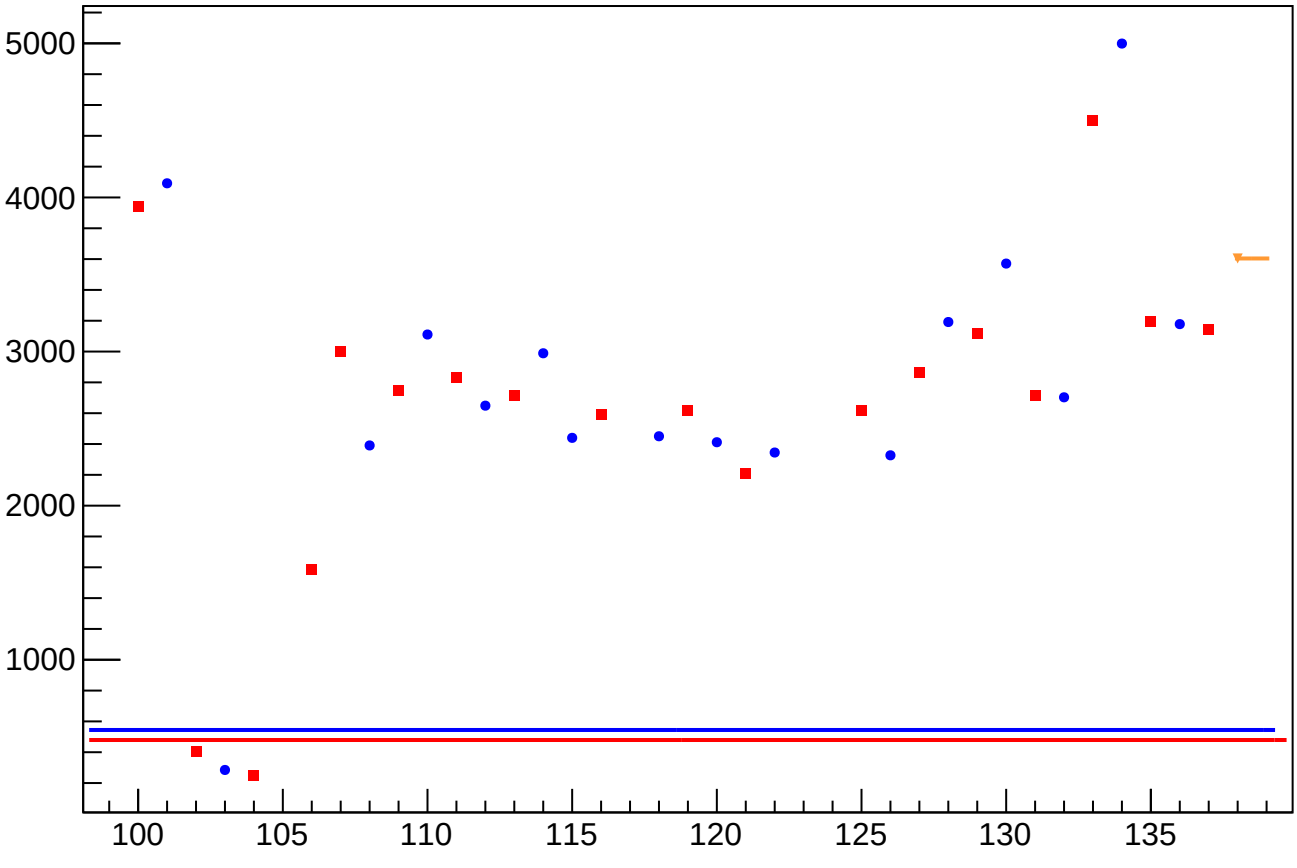
Left: -3582.279+/-4119.547 χ^2/NDF: 0.0/0

Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: 38.300+/-357.651 χ^2/NDF:14.8/15

Out: -222.240+/-321.561 χ^2/NDF:16.3/18

All: -105.775+/-239.122 χ^2/NDF: 31.4/34



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3604.041+/-2.913 χ^2/NDF:0.0/0

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

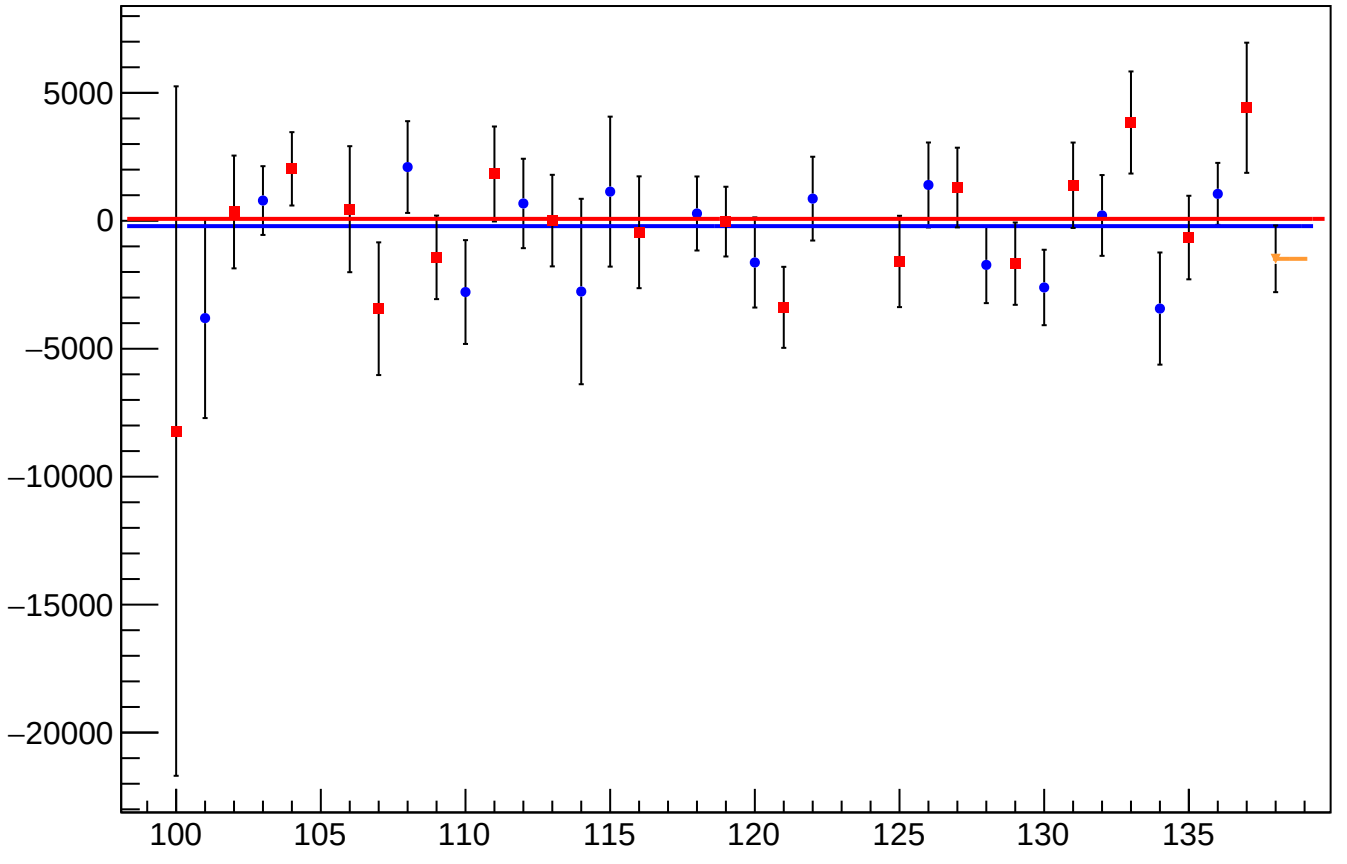
Left: 3604.041+/-2.913 χ^2/NDF: 0.0/0

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 544.336+/-0.253 χ^2/NDF:9682967.9/15

Out: 498.292+/-0.227 χ^2/NDF:10331700.8/18

All: 518.874+/-0.169 χ^2/NDF: 20032999.0/34



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: -1485.928+/-1302.668 χ^2/NDF:0.0/0

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

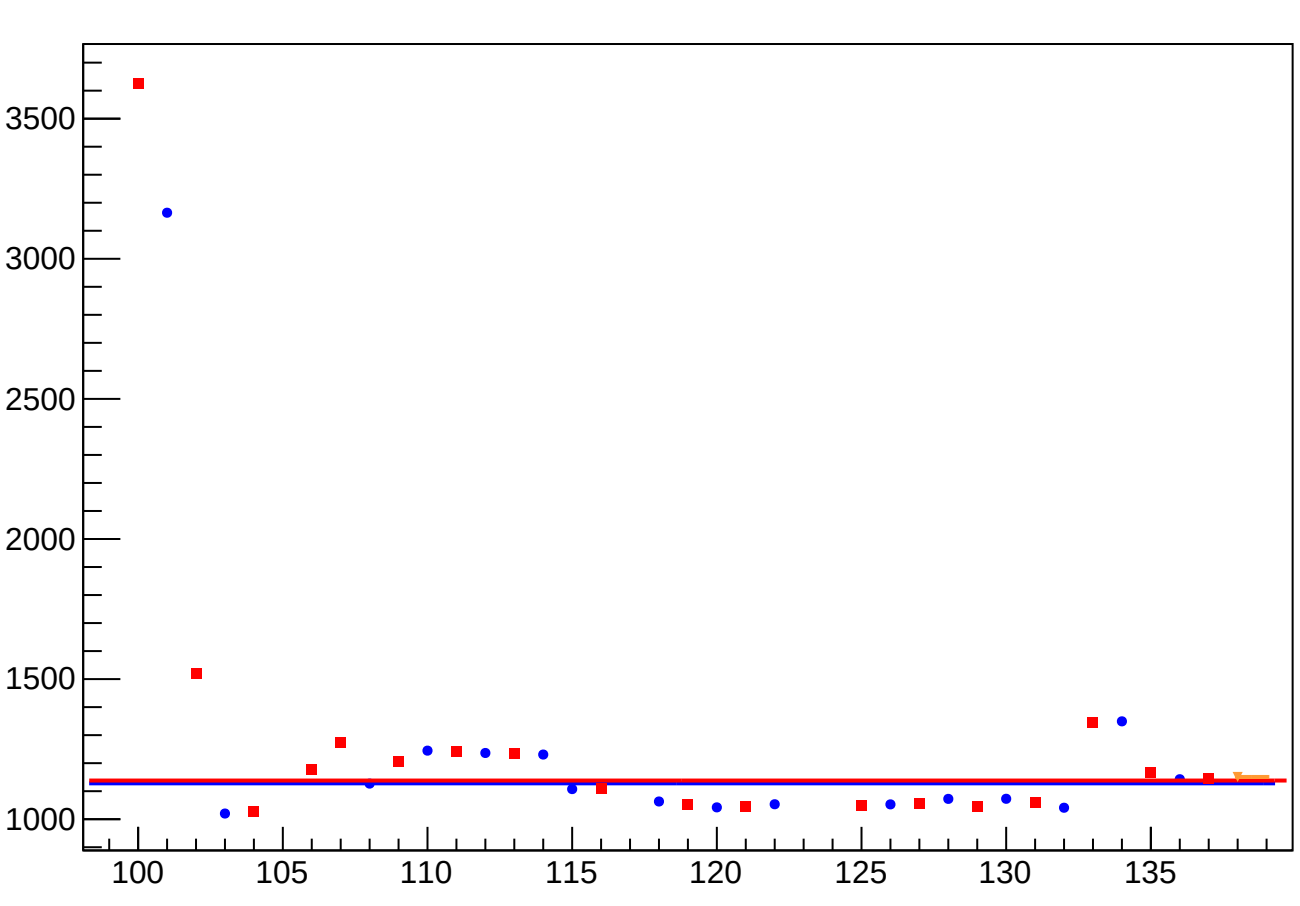
Left: -1485.928+/-1302.668 χ^2/NDF: 0.0/0

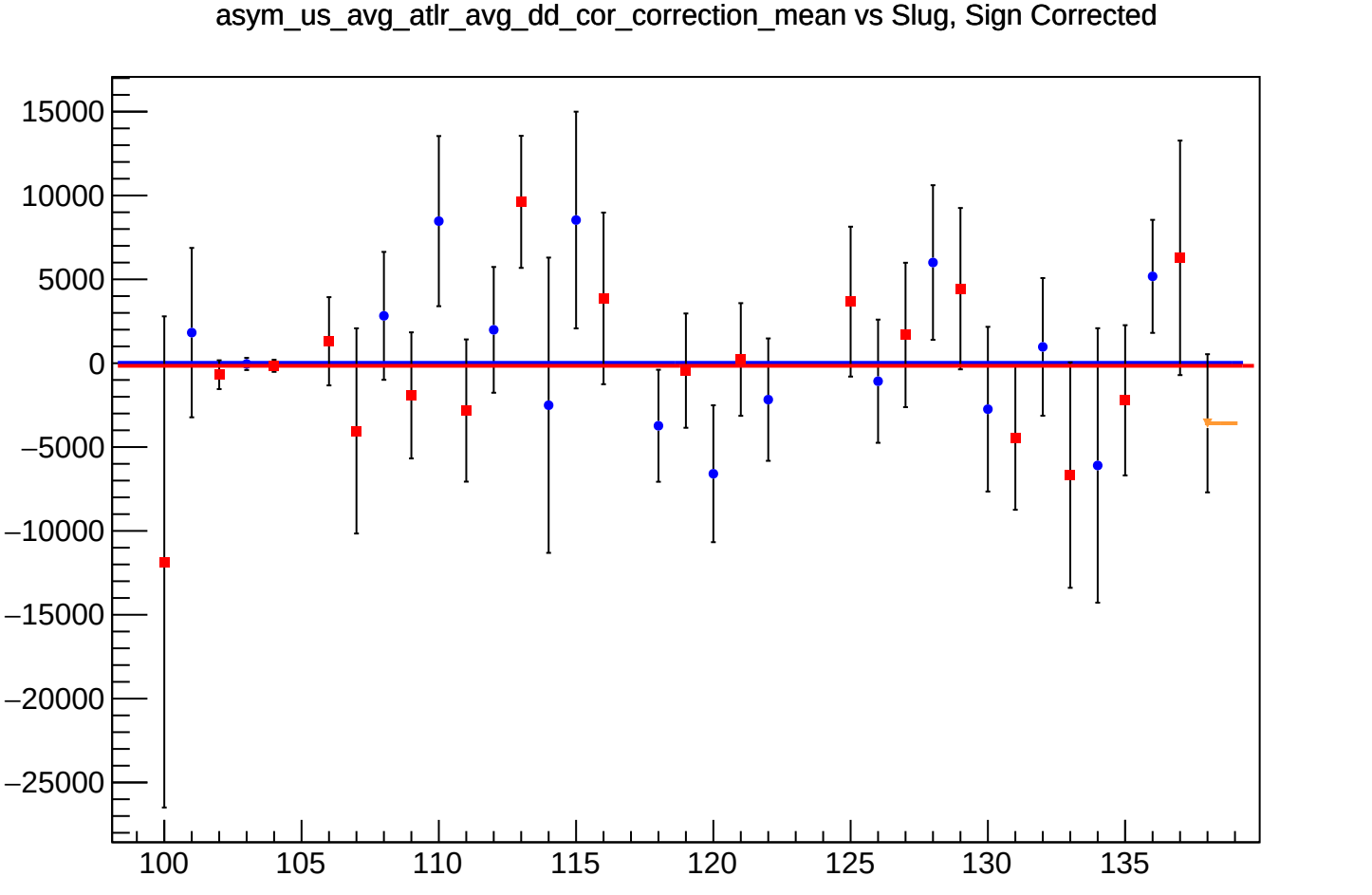
Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -208.110+/-429.155 χ^2/NDF:14.8/15

Out: -78.172+/-408.980 χ^2/NDF:22.0/18

All: -140.015+/-296.068 χ^2/NDF: 36.8/34


cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
105
110
115
120
125
130
135
Right In: 1128.007+/-0.303 χ²/NDF: 621395.6/15
Left Out: 1150.762+/-0.921 χ²/NDF:0.0/0
Right Out: 1138.000+/-0.304 χ²/NDF: 220624.5/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1150.762+/-0.921 χ²/NDF: 0.0/0
Right: 1132.987+/-0.215 χ²/NDF: 842560.5/33
In: 1128.007+/-0.303 χ²/NDF:621395.6/15
Out: 1139.256+/-0.289 χ²/NDF:220797.5/18
All: 1133.905+/-0.209 χ²/NDF: 842913.7/34



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -3582.273+/-4119.540 χ^2/NDF:0.0/0

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

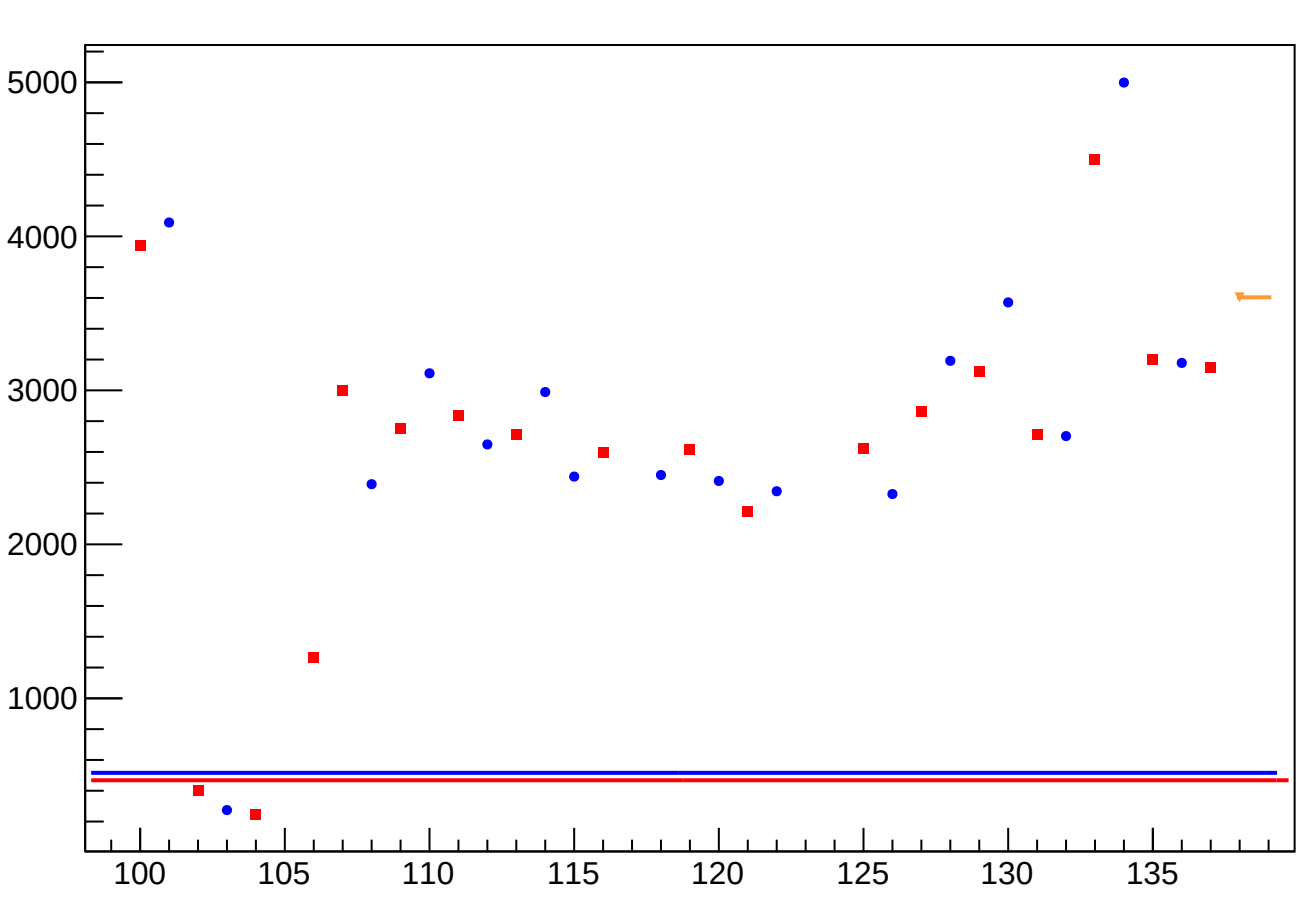
Left: -3582.273+/-4119.540 χ^2/NDF: 0.0/0

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 21.645+/-344.525 χ^2/NDF:14.9/15

Out: -176.445+/-316.430 χ^2/NDF:14.7/18

All: -85.805+/-233.050 χ^2/NDF: 29.7/34



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3604.034+/-2.913 χ^2/NDF:0.0/0

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

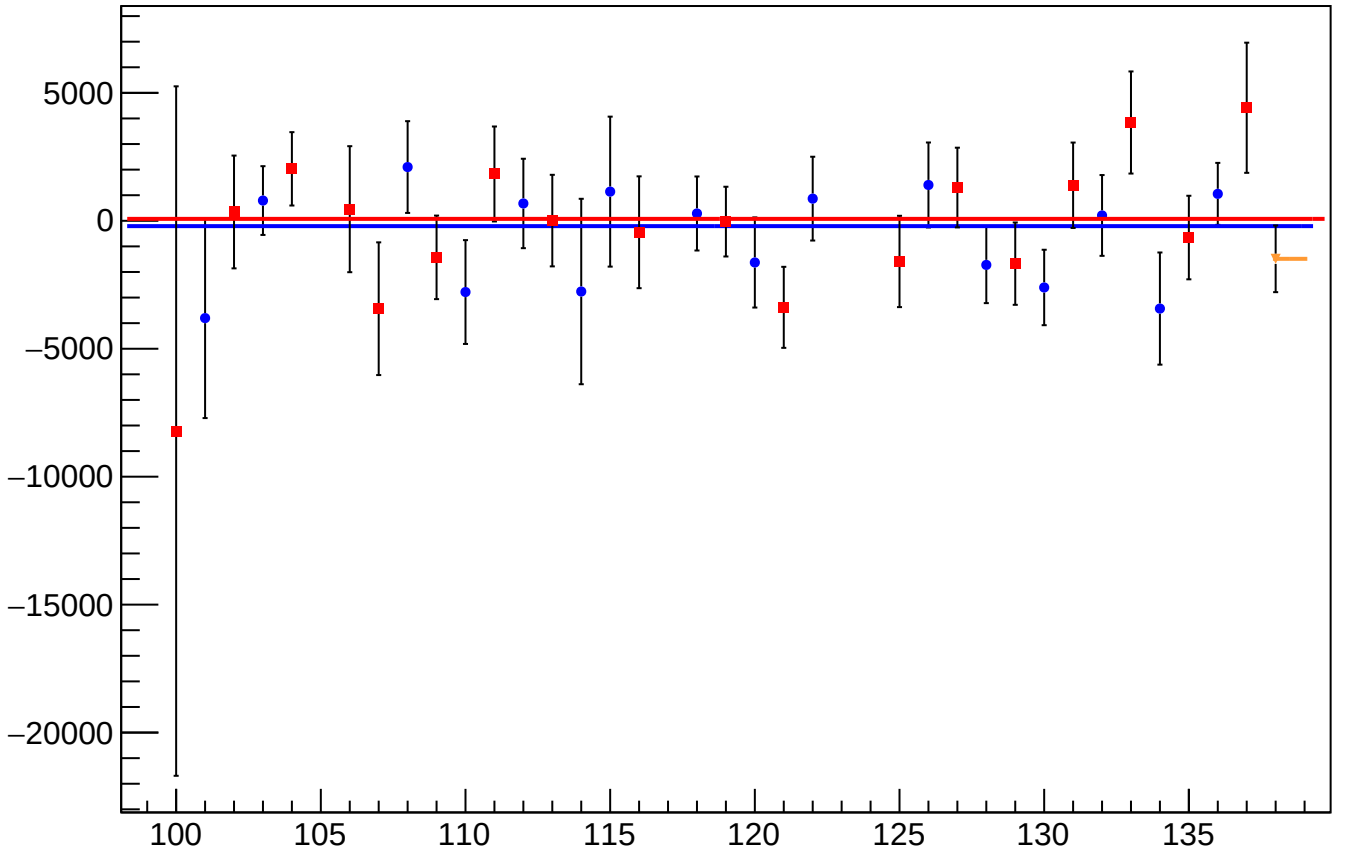
Left: 3604.034+/-2.913 χ^2/NDF: 0.0/0

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 516.297+/-0.244 χ^2/NDF:9834669.6/15

Out: 486.562+/-0.224 χ^2/NDF:10263368.2/18

All: 500.168+/-0.165 χ^2/NDF: 20106118.6/34



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: -1485.928+/-1302.668 χ^2/NDF:0.0/0

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

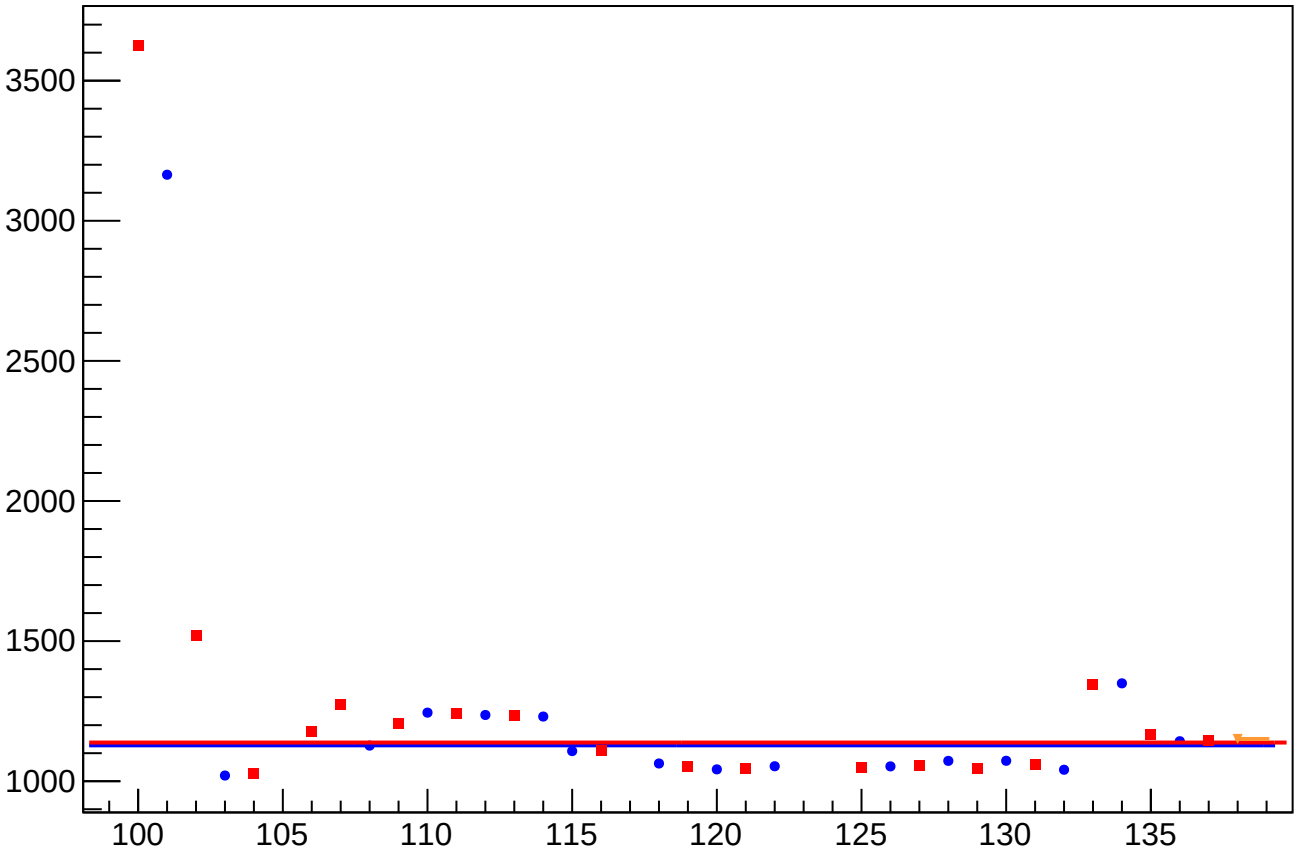
Left: -1485.928+/-1302.668 χ^2/NDF: 0.0/0

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -208.110+/-429.155 χ^2/NDF:14.8/15

Out: -78.172+/-408.980 χ^2/NDF:22.0/18

All: -140.015+/-296.068 χ^2/NDF: 36.8/34



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1150.762+/-0.921 χ^2/NDF:0.0/0

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

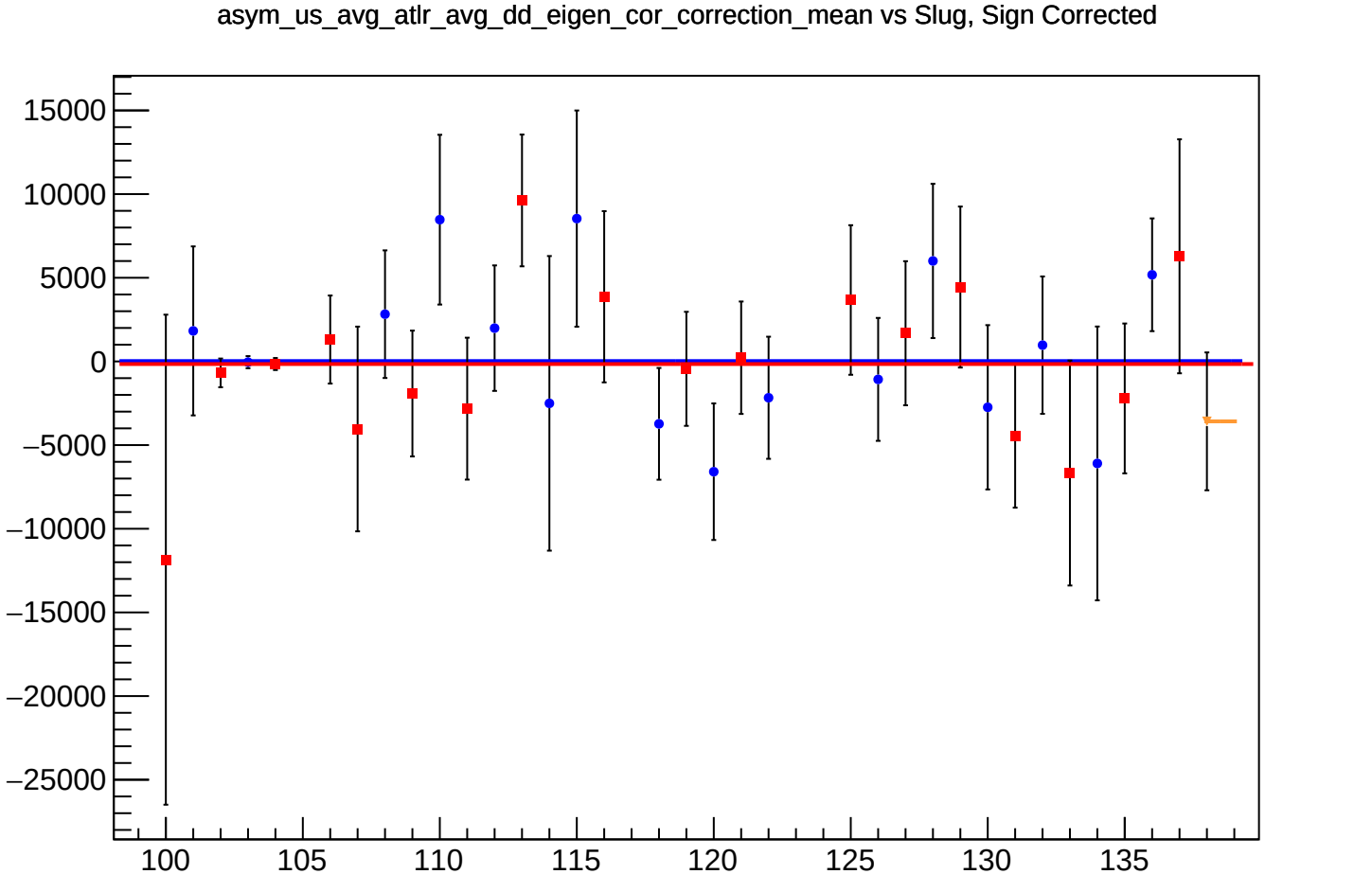
Left: 1150.762+/-0.921 χ^2/NDF: 0.0/0

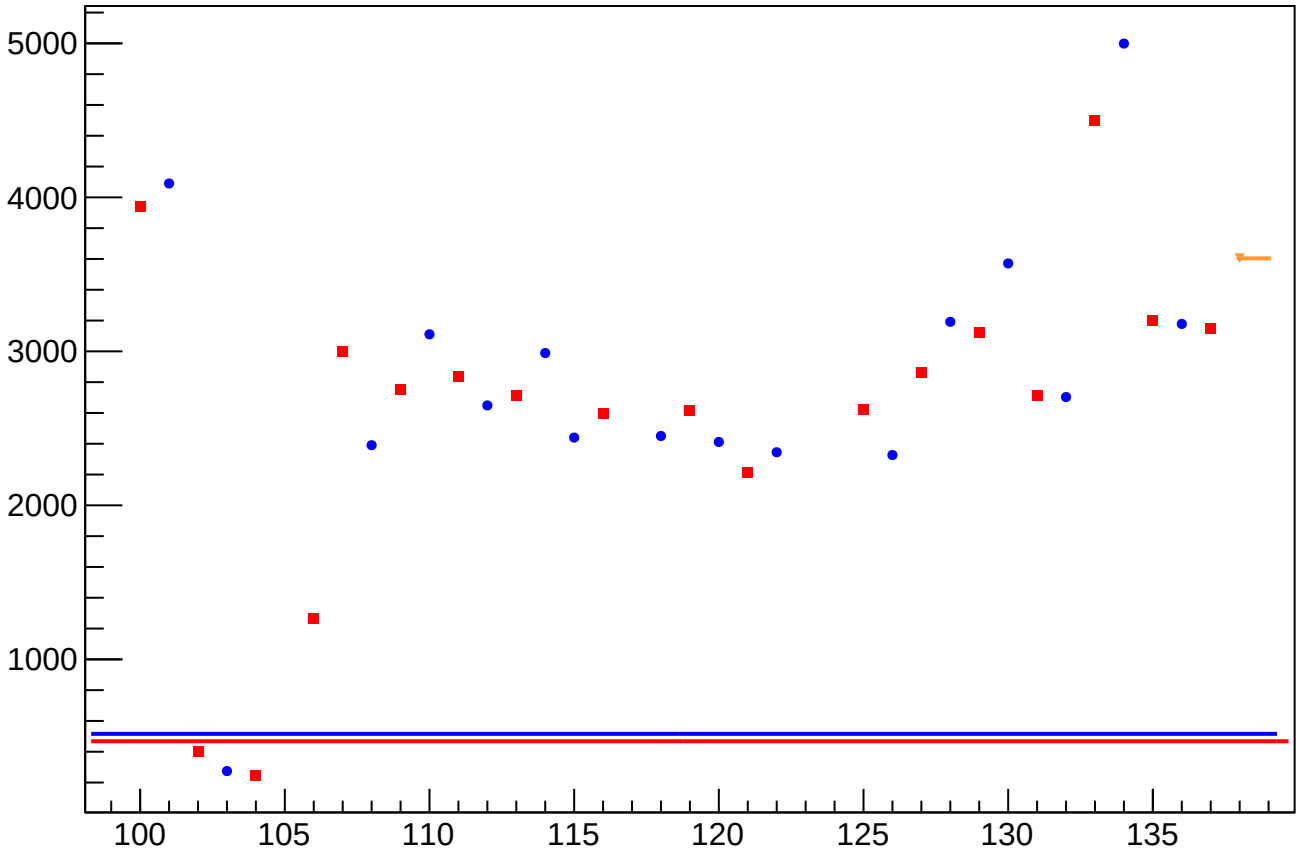
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1128.007+/-0.303 χ^2/NDF:621395.6/15

Out: 1139.256+/-0.289 χ^2/NDF:220797.5/18

All: 1133.905+/-0.209 χ^2/NDF: 842913.7/34


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -3582.273+/-4119.540 χ²/NDF:0.0/0
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -3582.273+/-4119.540 χ²/NDF: 0.0/0
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: 21.645+/-344.525 χ²/NDF:14.9/15
Out: -176.445+/-316.430 χ²/NDF:14.7/18
All: -85.805+/-233.050 χ²/NDF: 29.7/34



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3604.034+/-2.913 χ^2/NDF:0.0/0

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

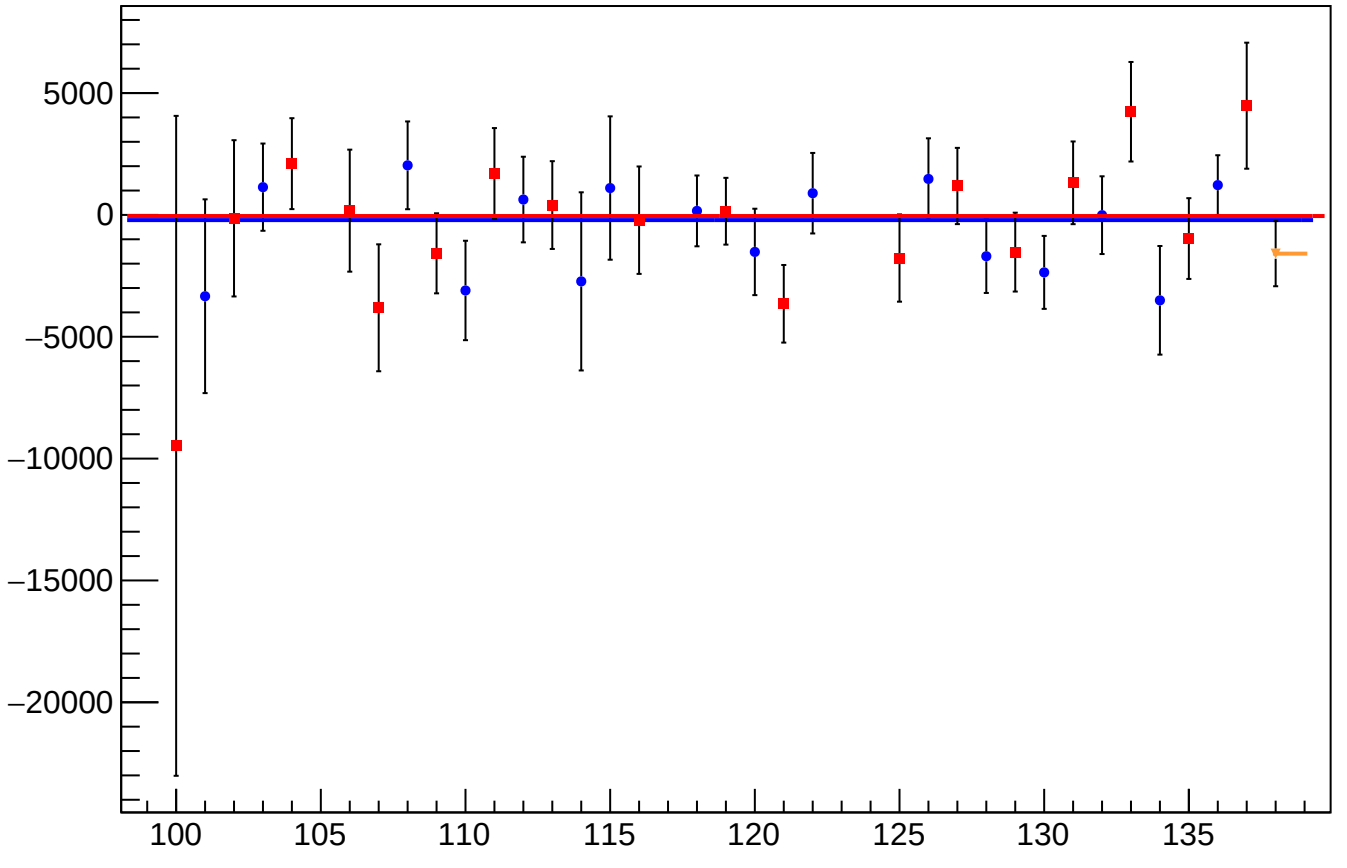
Left: 3604.034+/-2.913 χ^2/NDF: 0.0/0

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 516.297+/-0.244 χ^2/NDF:9834669.6/15

Out: 486.562+/-0.224 χ^2/NDF:10263368.2/18

All: 500.168+/-0.165 χ^2/NDF: 20106118.6/34



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: -1589.365+/-1337.454 χ^2/NDF:0.0/0

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

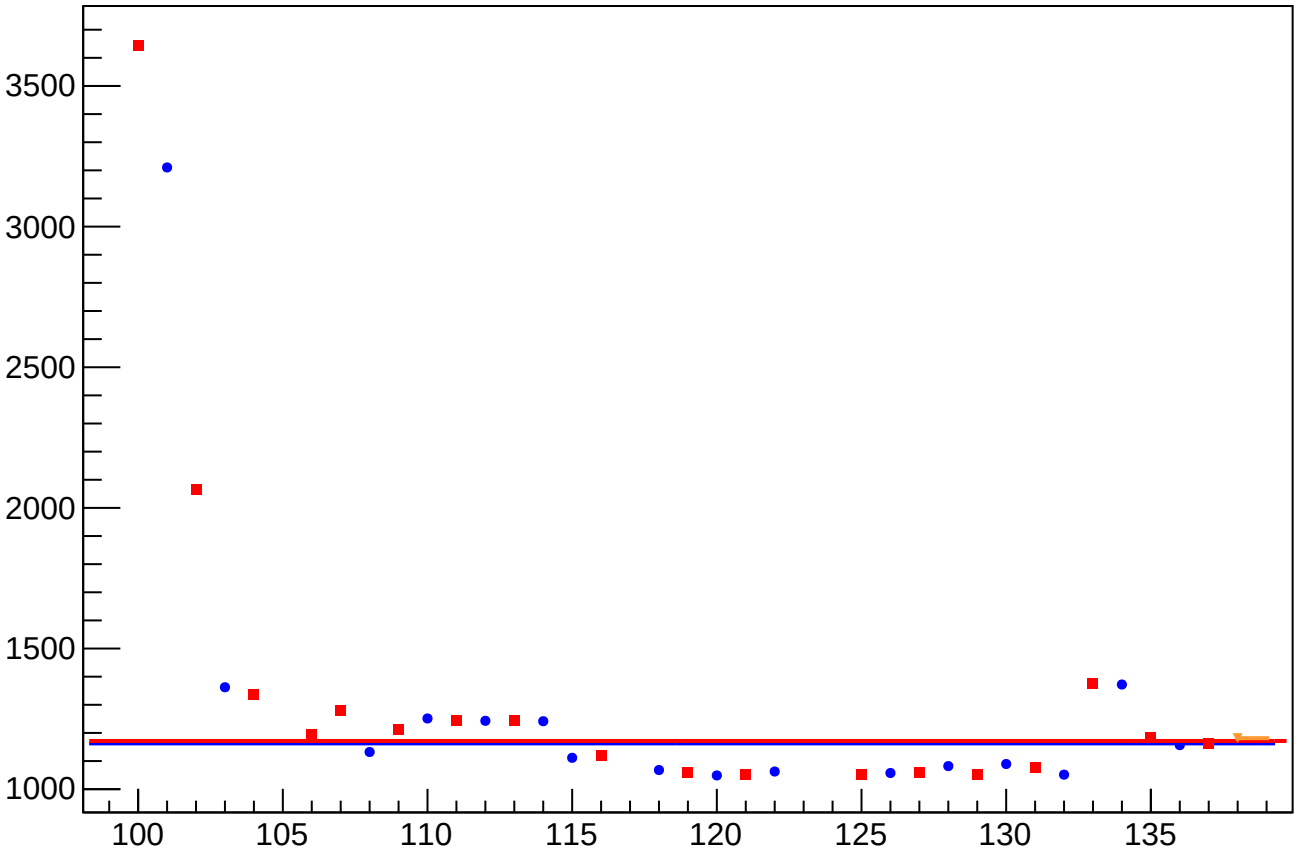
Left: -1589.365+/-1337.454 χ^2/NDF: 0.0/0

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -213.079+/-442.684 χ^2/NDF:14.3/15

Out: -200.793+/-424.137 χ^2/NDF:22.9/18

All: -206.674+/-306.257 χ^2/NDF: 37.2/34



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1181.328+/-0.946 χ^2/NDF:0.0/0

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1181.328+/-0.946 χ^2/NDF: 0.0/0

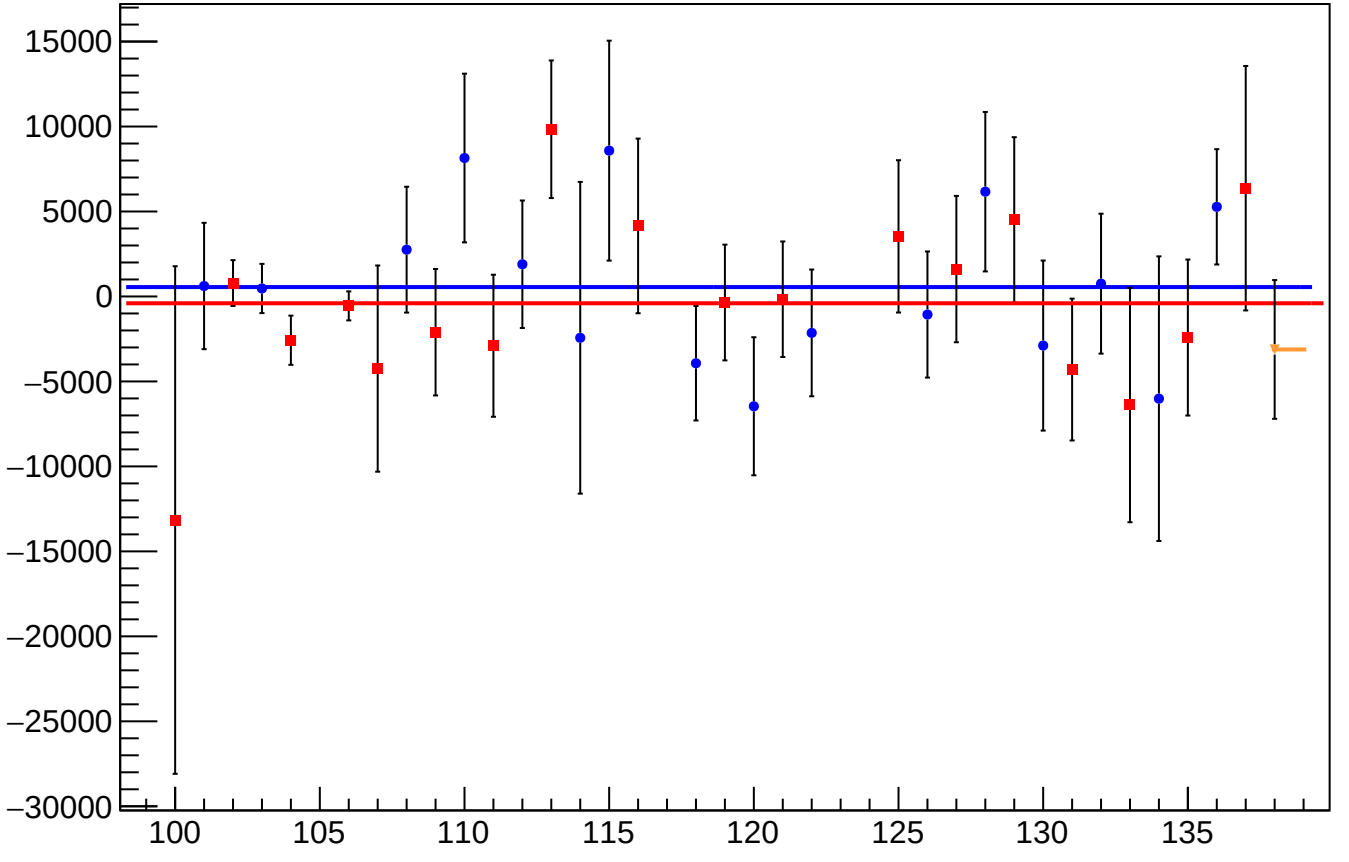
Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1162.851+/-0.313 χ^2/NDF:635353.4/15

Out: 1172.416+/-0.300 χ^2/NDF:331739.5/18

All: 1167.840+/-0.217 χ^2/NDF: 967579.9/34

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -3118.079+/-4081.203 χ^2/NDF:0.0/0

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

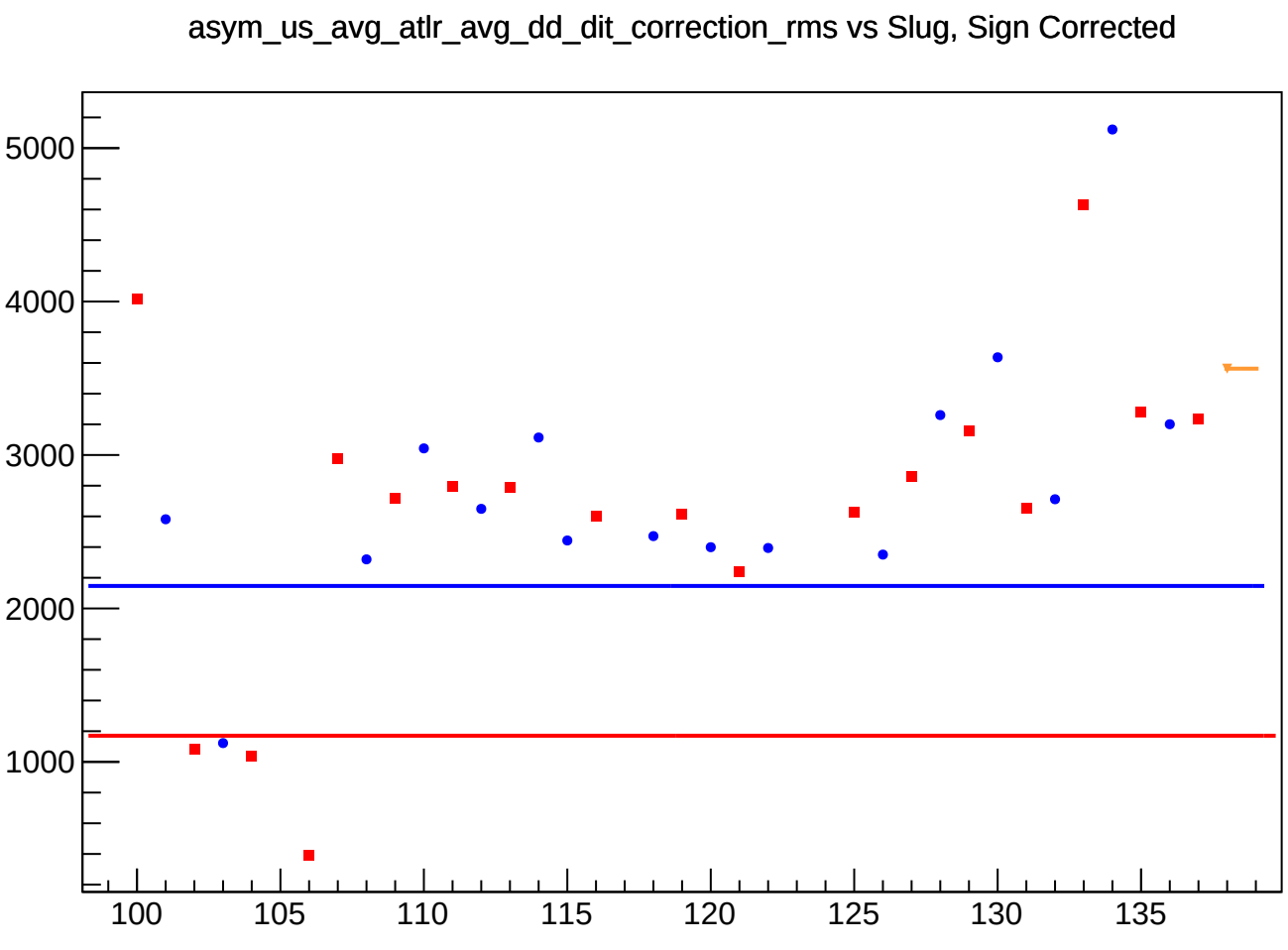
Left: -3118.079+/-4081.203 χ^2/NDF: 0.0/0

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 552.517+/-874.128 χ^2/NDF:14.4/15

Out: -451.692+/-560.509 χ^2/NDF:17.1/18

All: -159.101+/-471.839 χ^2/NDF: 32.4/34



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3562.738+/-2.886 χ^2/NDF:0.0/0

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

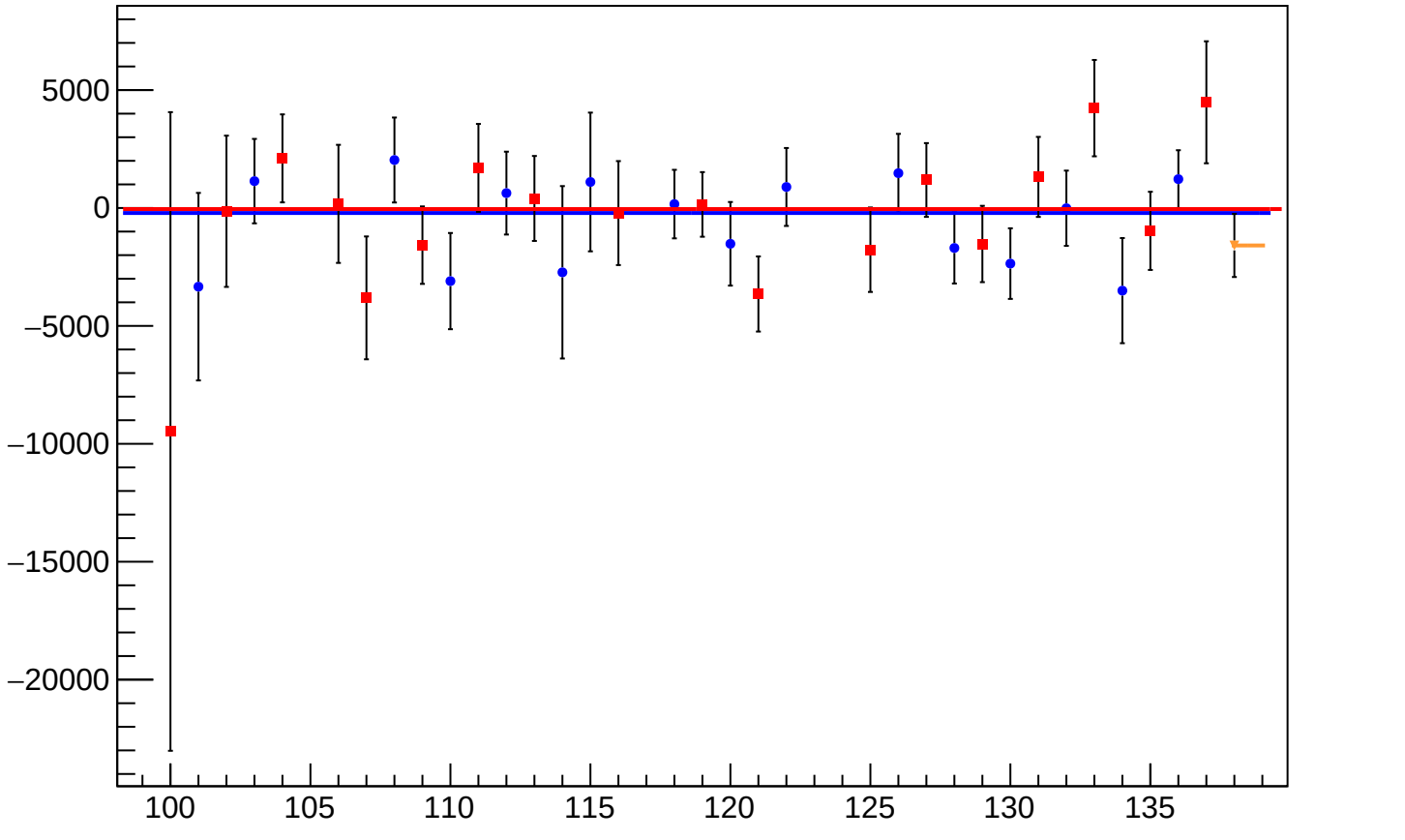
Left: 3562.738+/-2.886 χ^2/NDF: 0.0/0

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2146.616+/-0.618 χ^2/NDF:1974723.6/15

Out: 1215.695+/-0.396 χ^2/NDF:6491642.9/18

All: 1486.932+/-0.334 χ^2/NDF: 10073784.9/3



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: -1589.375+/-1337.454 χ^2/NDF:0.0/0

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

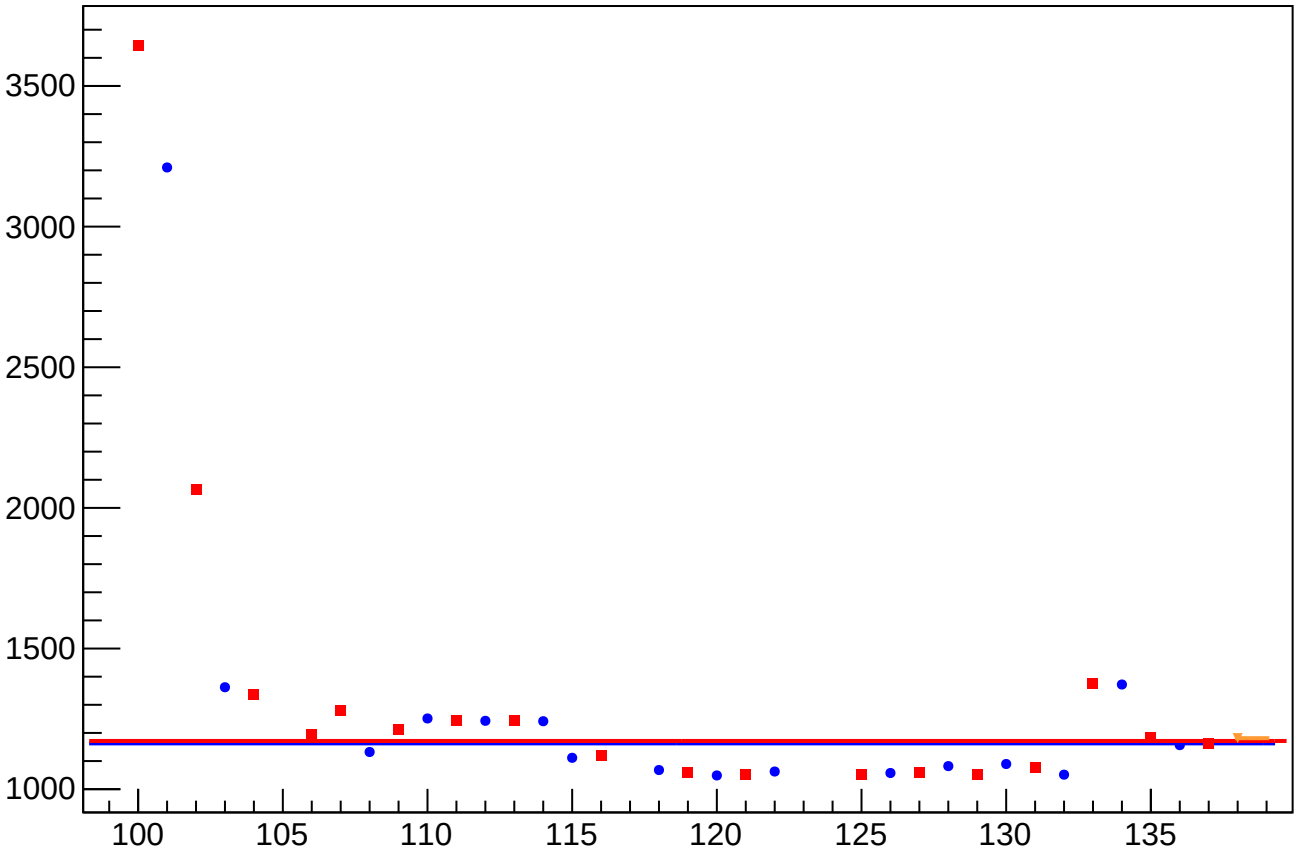
Left: -1589.375+/-1337.454 χ^2/NDF: 0.0/0

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -213.082+/-442.684 χ^2/NDF:14.3/15

Out: -200.797+/-424.137 χ^2/NDF:22.9/18

All: -206.677+/-306.257 χ^2/NDF: 37.2/34



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1181.329+/-0.946 χ^2/NDF:0.0/0

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

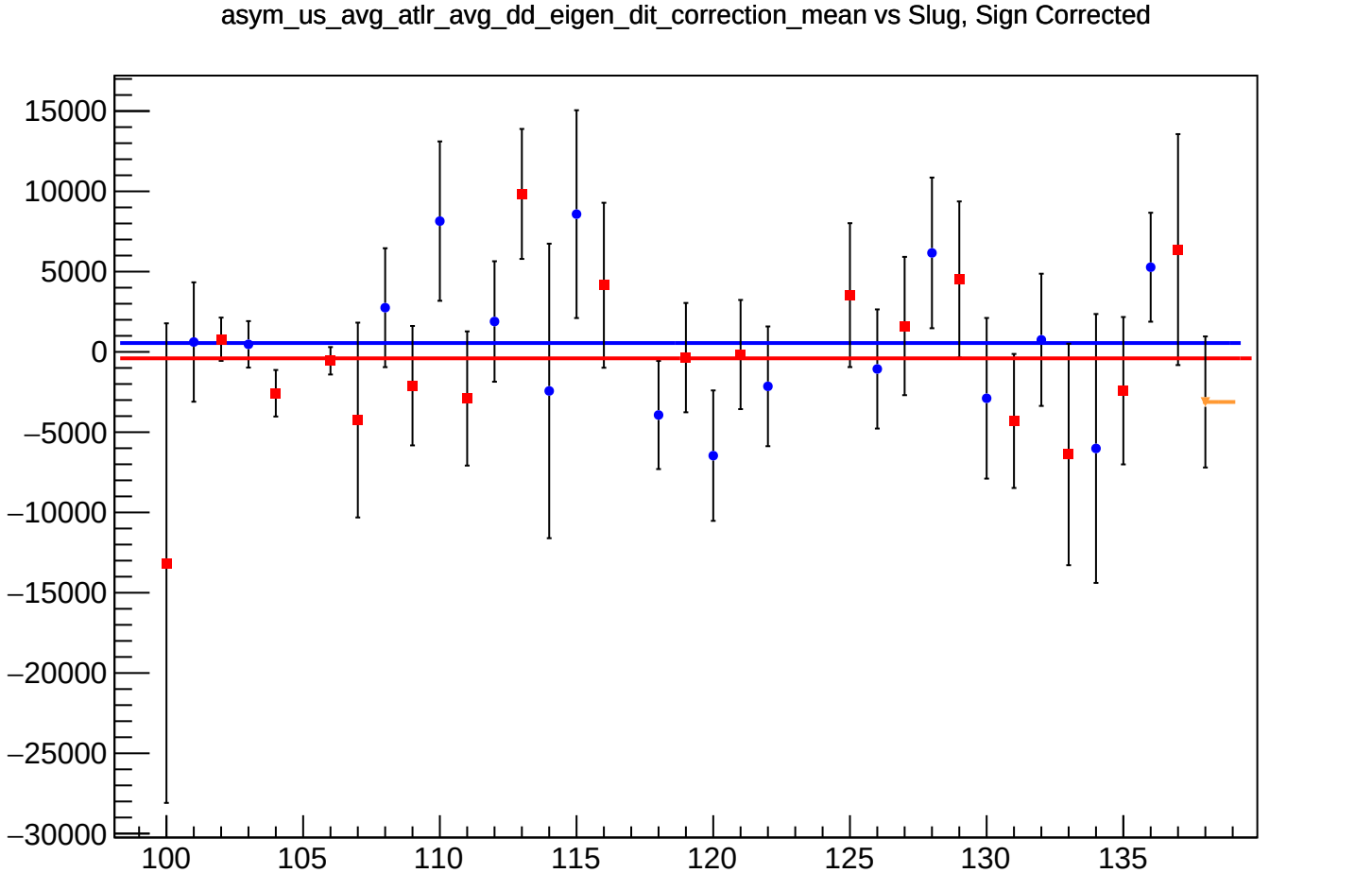
Left: 1181.329+/-0.946 χ^2/NDF: 0.0/0

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1162.851+/-0.313 χ^2/NDF:635353.6/15

Out: 1172.416+/-0.300 χ^2/NDF:331739.2/18

All: 1167.840+/-0.217 χ^2/NDF: 967579.8/34



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -3118.087+/-4081.212 χ^2/NDF:0.0/0

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

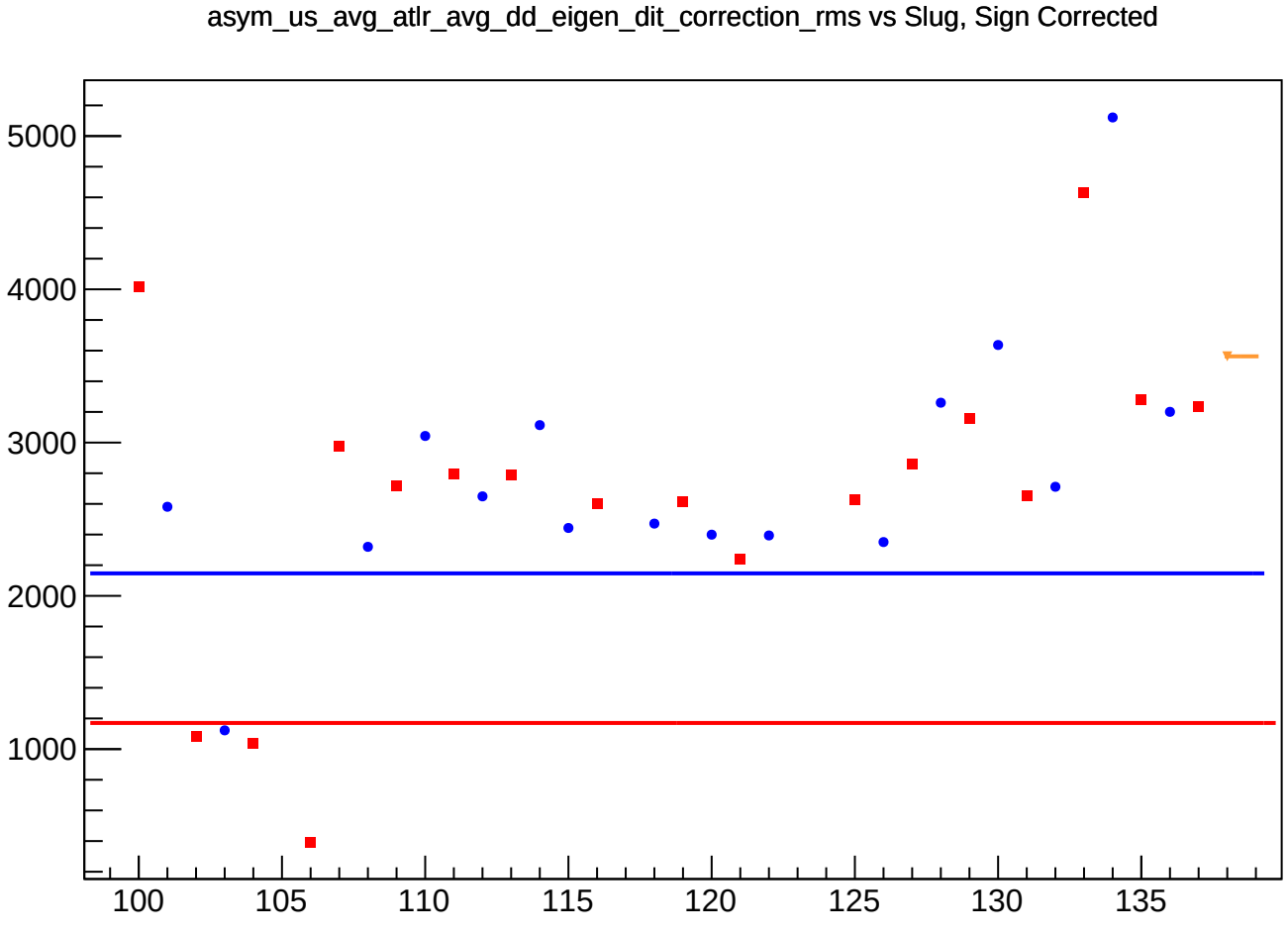
Left: -3118.087+/-4081.212 χ^2/NDF: 0.0/0

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 552.510+/-874.126 χ^2/NDF:14.4/15

Out: -451.692+/-560.502 χ^2/NDF:17.1/18

All: -159.107+/-471.835 χ^2/NDF: 32.4/34



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3562.745+/-2.886 χ^2/NDF:0.0/0

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

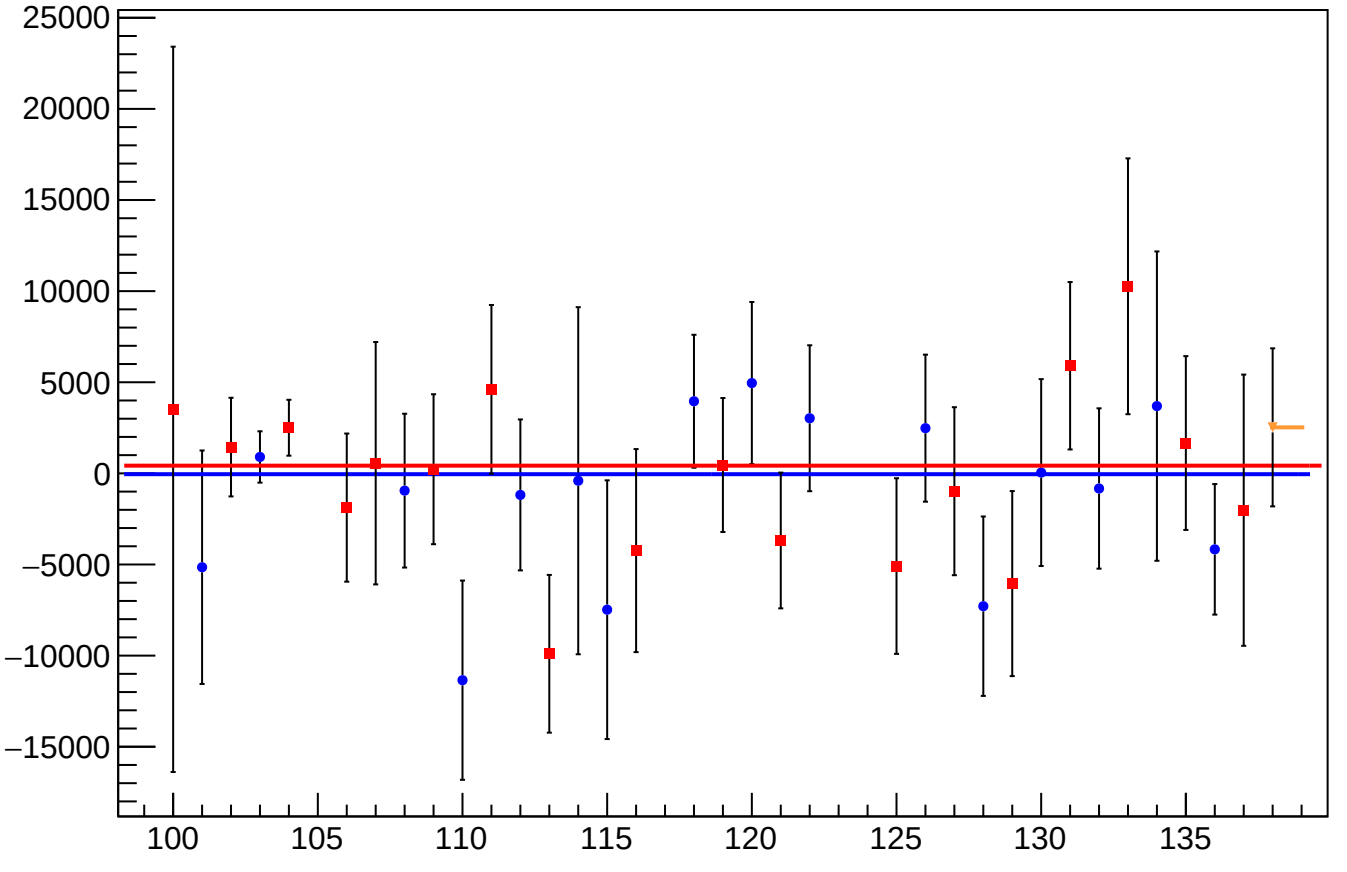
Left: 3562.745+/-2.886 χ^2/NDF: 0.0/0

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2146.613+/-0.618 χ^2/NDF:1974719.3/15

Out: 1215.671+/-0.396 χ^2/NDF:6491784.5/18

All: 1486.911+/-0.334 χ^2/NDF: 10074008.3/3



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 2525.235+/-4335.837 χ^2/NDF:0.0/0

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

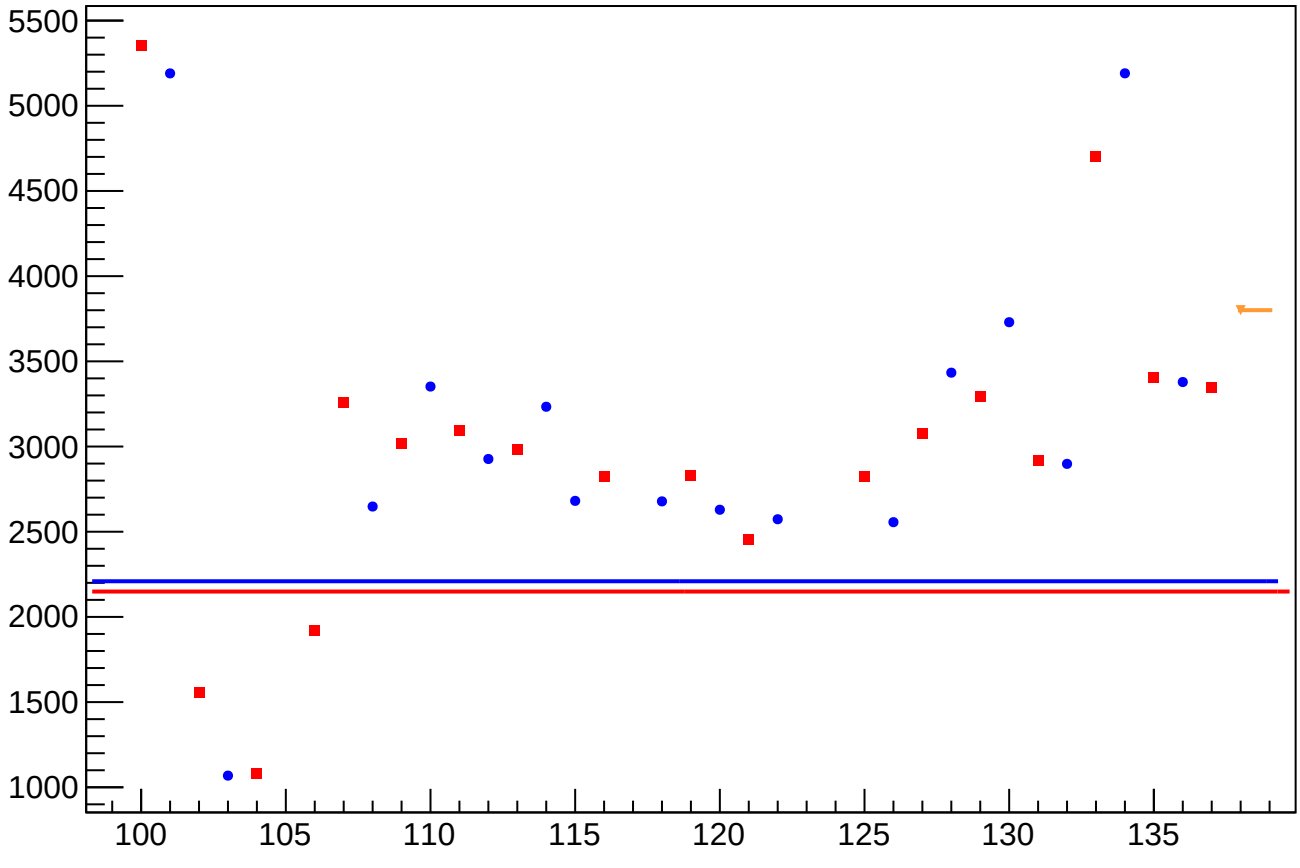
Left: 2525.235+/-4335.837 χ^2/NDF: 0.0/0

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -44.874+/-920.736 χ^2/NDF:13.7/15

Out: 509.690+/-878.151 χ^2/NDF:17.6/18

All: 245.529+/-635.468 χ^2/NDF: 31.5/34



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3800.399+/-3.066 χ^2/NDF:0.0/0

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

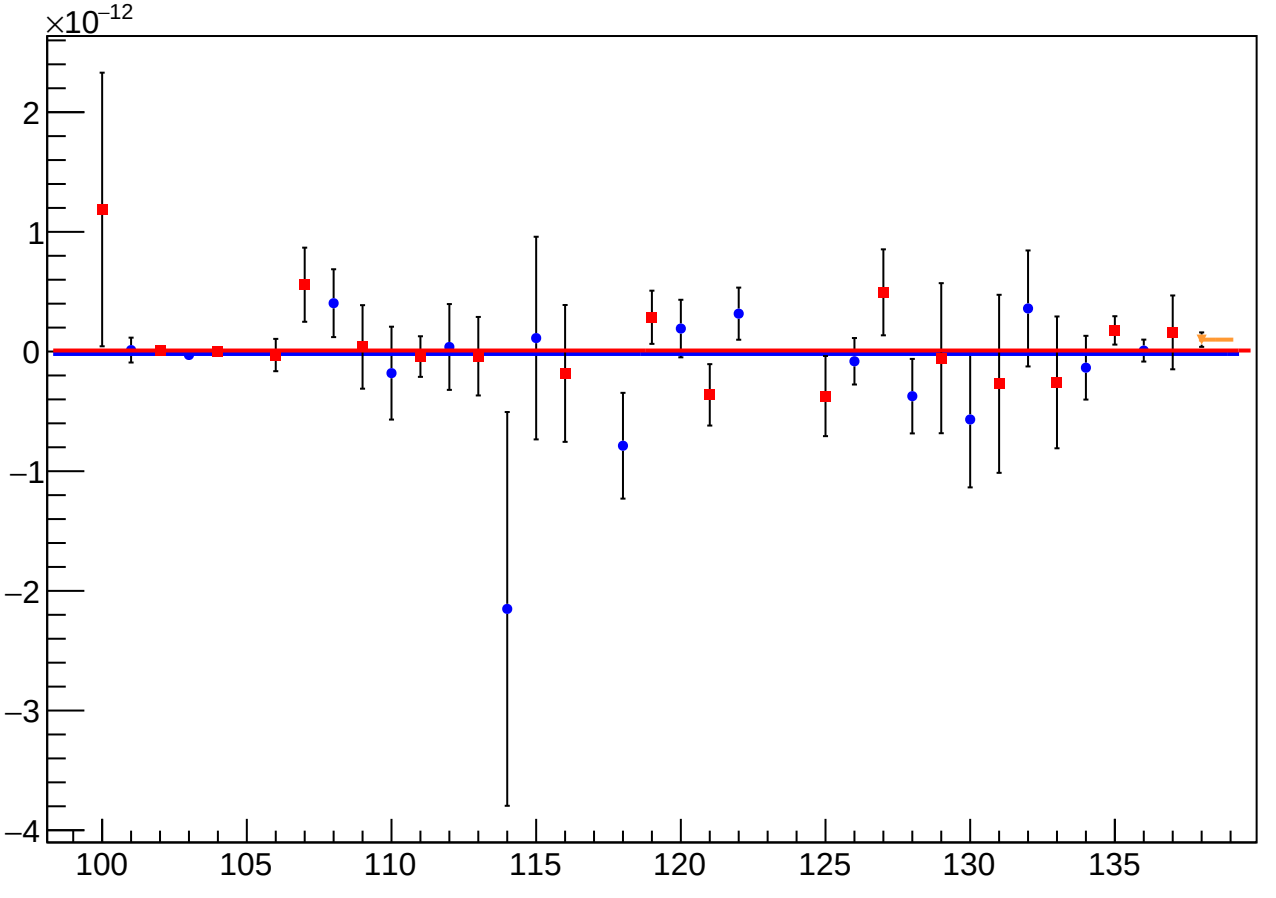
Left: 3800.399+/-3.066 χ^2/NDF: 0.0/0

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2209.349+/-0.651 χ^2/NDF:2836875.7/15

Out: 2216.380+/-0.620 χ^2/NDF:2547958.9/18

All: 2213.039+/-0.449 χ^2/NDF: 5384895.8/34



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

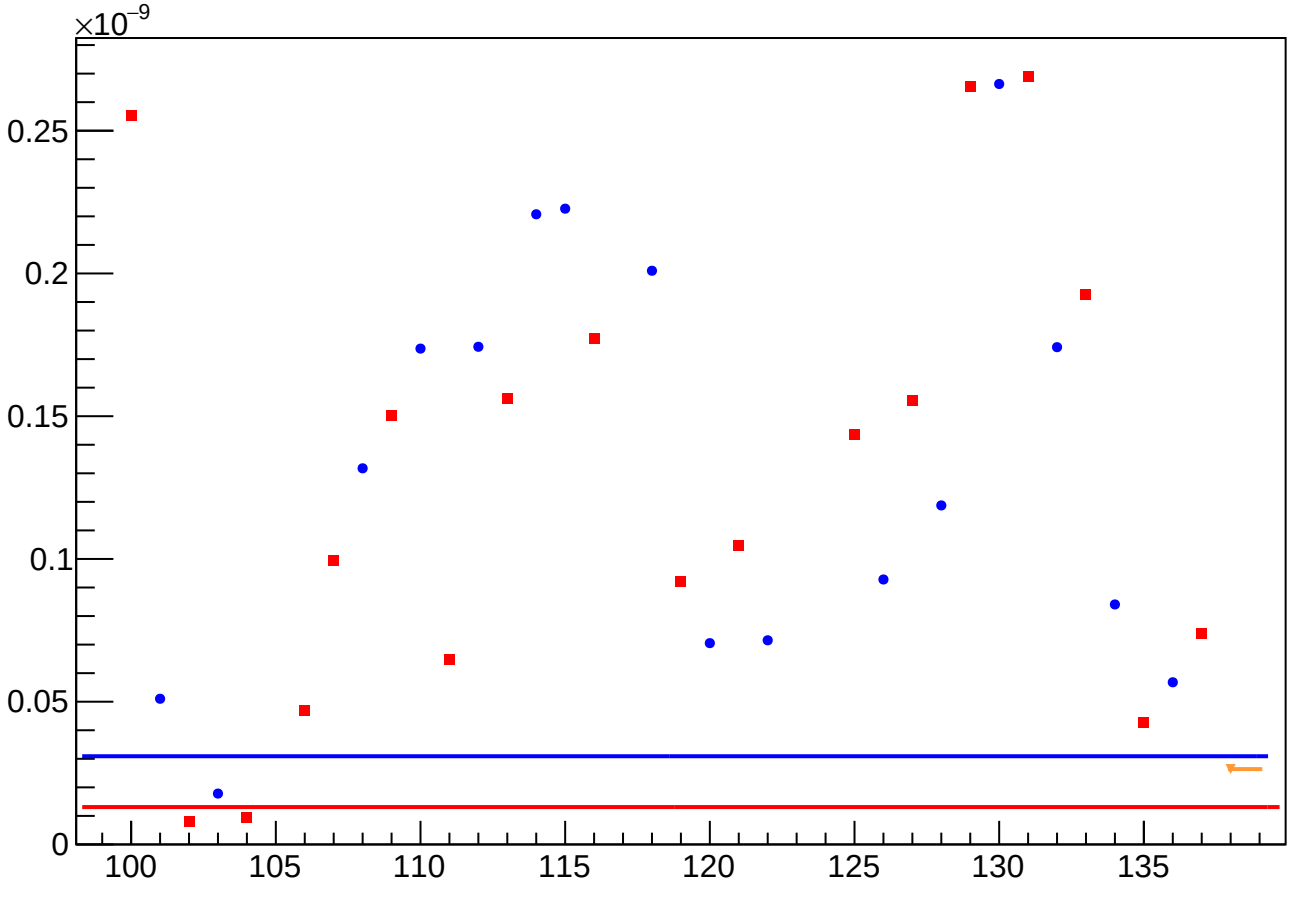
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: -0.000+/-0.000 χ^2/NDF:13.7/15

Out: 0.000+/-0.000 χ^2/NDF:16.1/18

All: 0.000+/-0.000 χ^2/NDF: 31.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

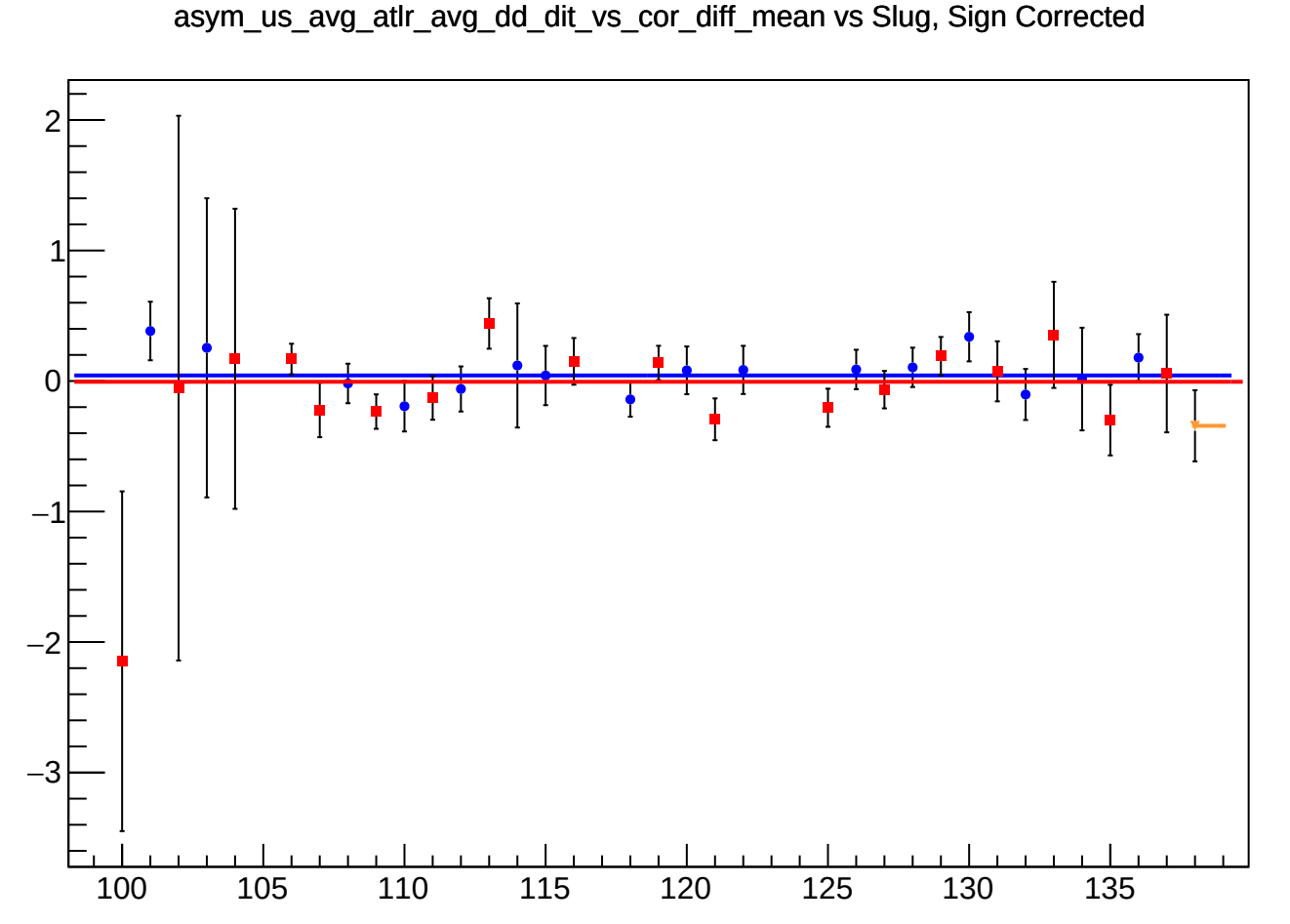
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

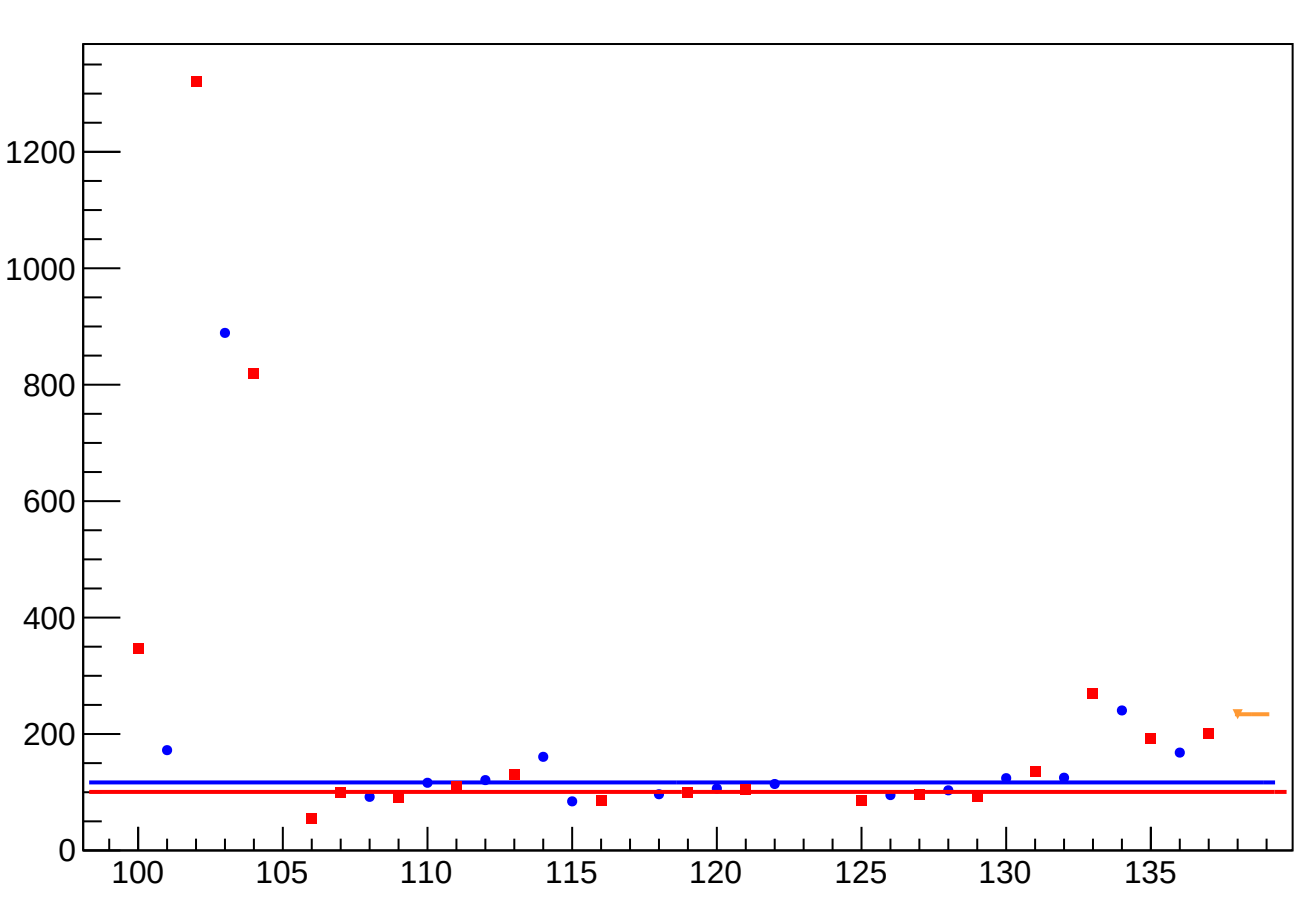
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:2998577.8/15

Out: 0.000+/-0.000 χ^2/NDF:3750380.4/18

All: 0.000+/-0.000 χ^2/NDF: 7425361.2/34


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.343+/-0.272 χ²/NDF:0.0/0
Right Out: -0.006+/-0.043 χ²/NDF: 26.0/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.343+/-0.272 χ²/NDF: 0.0/0
Right: 0.016+/-0.032 χ²/NDF: 36.9/33
In: 0.043+/-0.047 χ²/NDF:10.3/15
Out: -0.014+/-0.043 χ²/NDF:27.5/18
All: 0.011+/-0.032 χ²/NDF: 38.6/34



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 233.965+/-0.193 χ^2/NDF:0.0/0

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 233.965+/-0.193 χ^2/NDF: 0.0/0

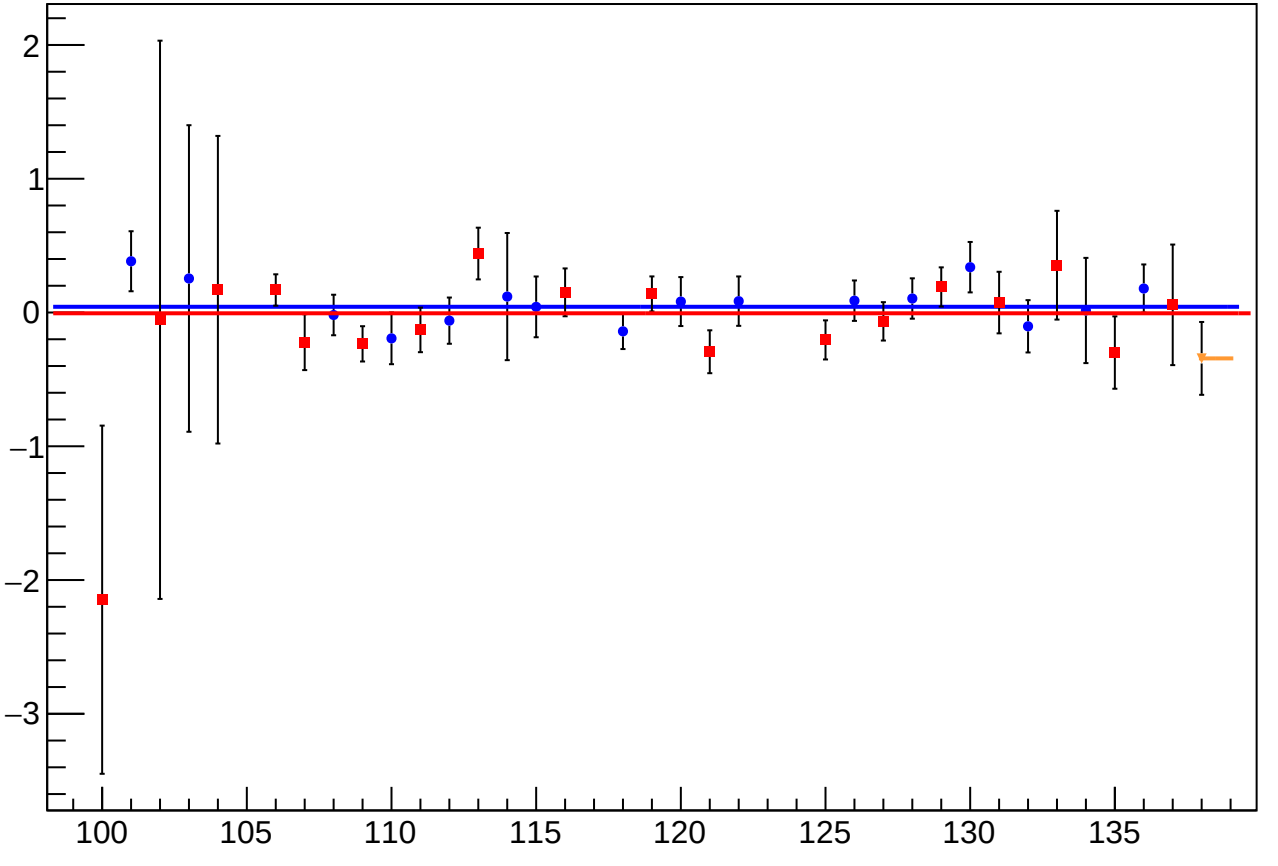
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 116.841+/-0.034 χ^2/NDF:1620809.7/15

Out: 103.845+/-0.030 χ^2/NDF:3132248.4/18

All: 109.679+/-0.022 χ^2/NDF: 4835685.1/34

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.343+/-0.272 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.343+/-0.272 χ^2/NDF: 0.0/0

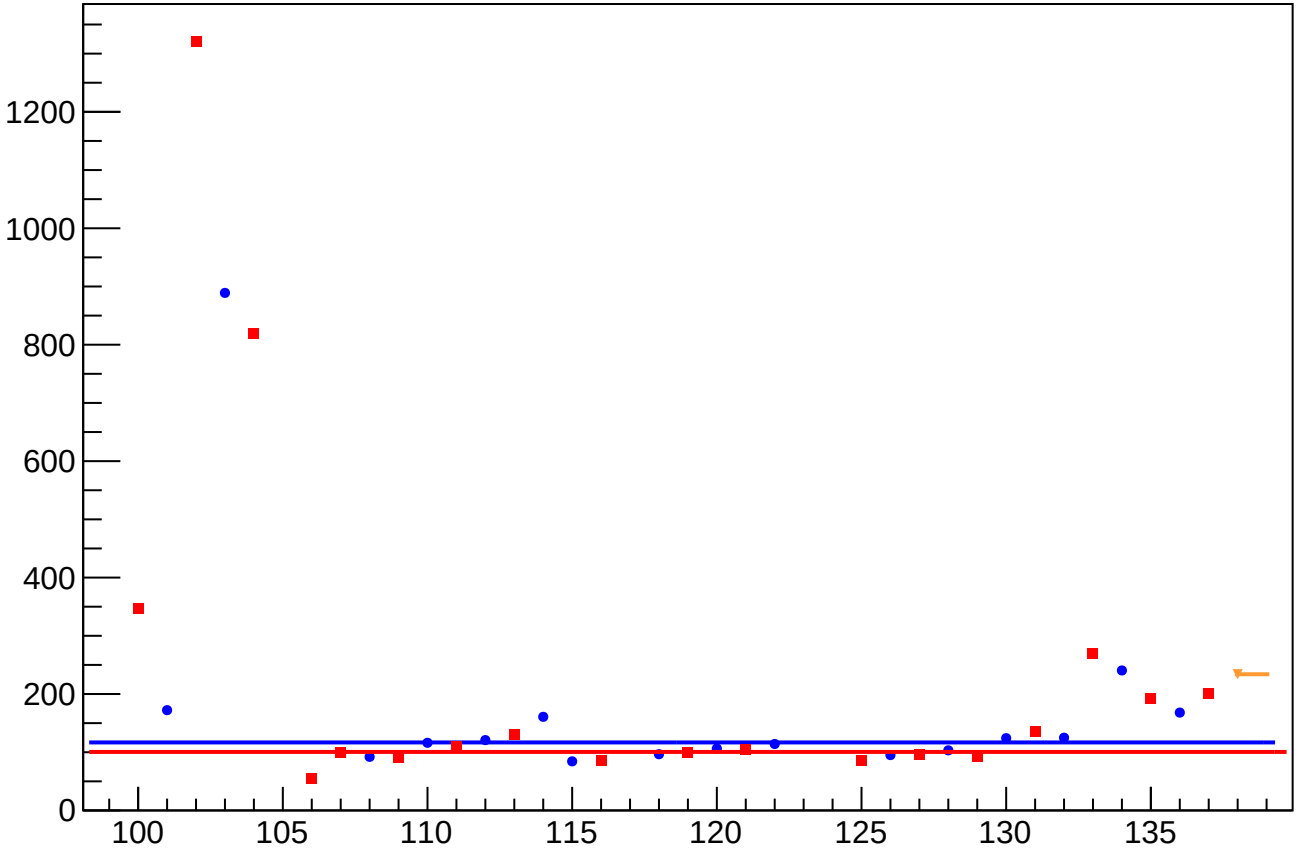
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.043+/-0.047 χ^2/NDF:10.3/15

Out: -0.014+/-0.043 χ^2/NDF:27.5/18

All: 0.011+/-0.032 χ^2/NDF: 38.6/34

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: 233.965+/-0.193 χ^2/NDF:0.0/0

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

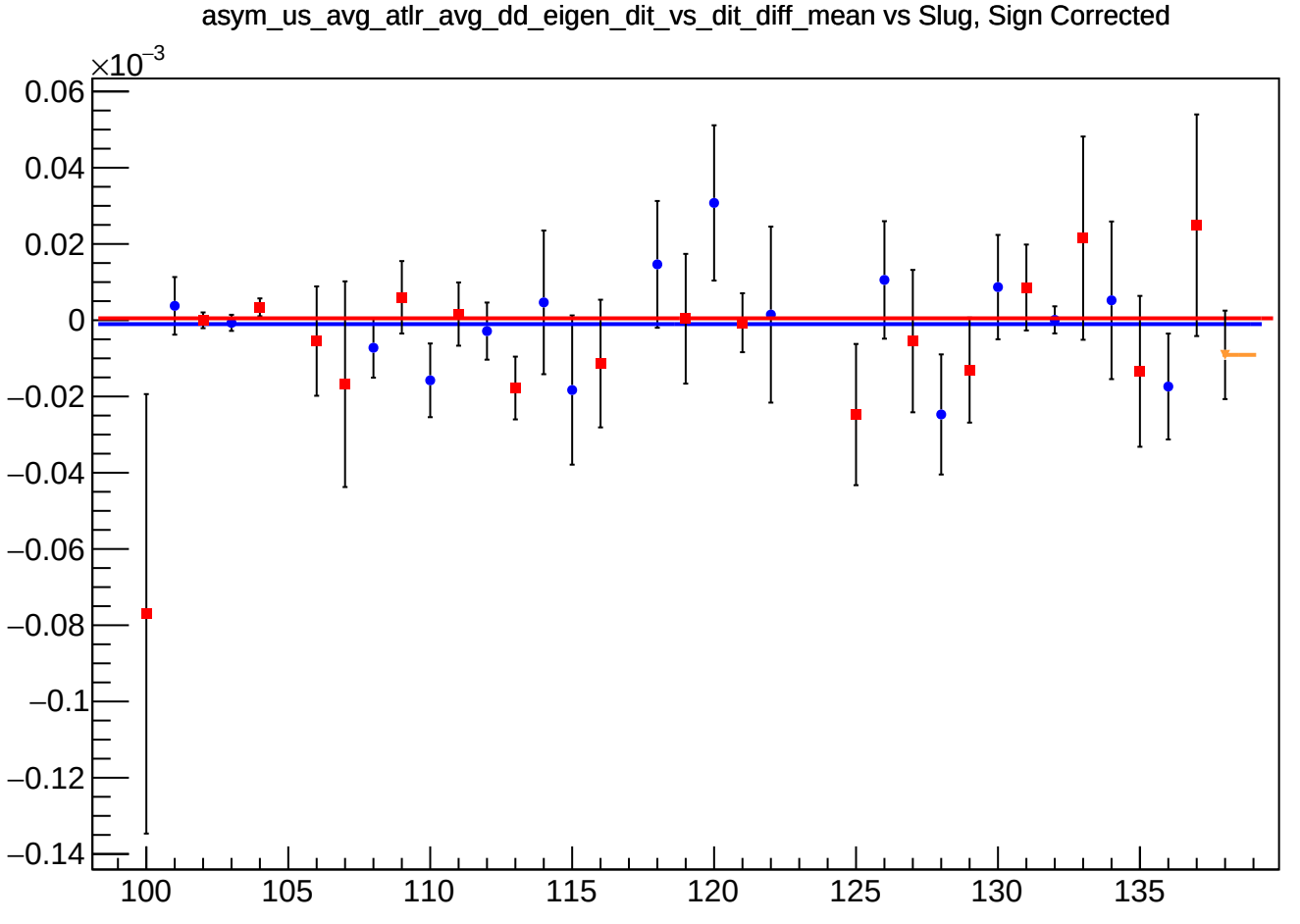
Left: 233.965+/-0.193 χ^2/NDF: 0.0/0

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 116.841+/-0.034 χ^2/NDF:1620809.7/15

Out: 103.845+/-0.030 χ^2/NDF:3132248.4/18

All: 109.679+/-0.022 χ^2/NDF: 4835685.1/34



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

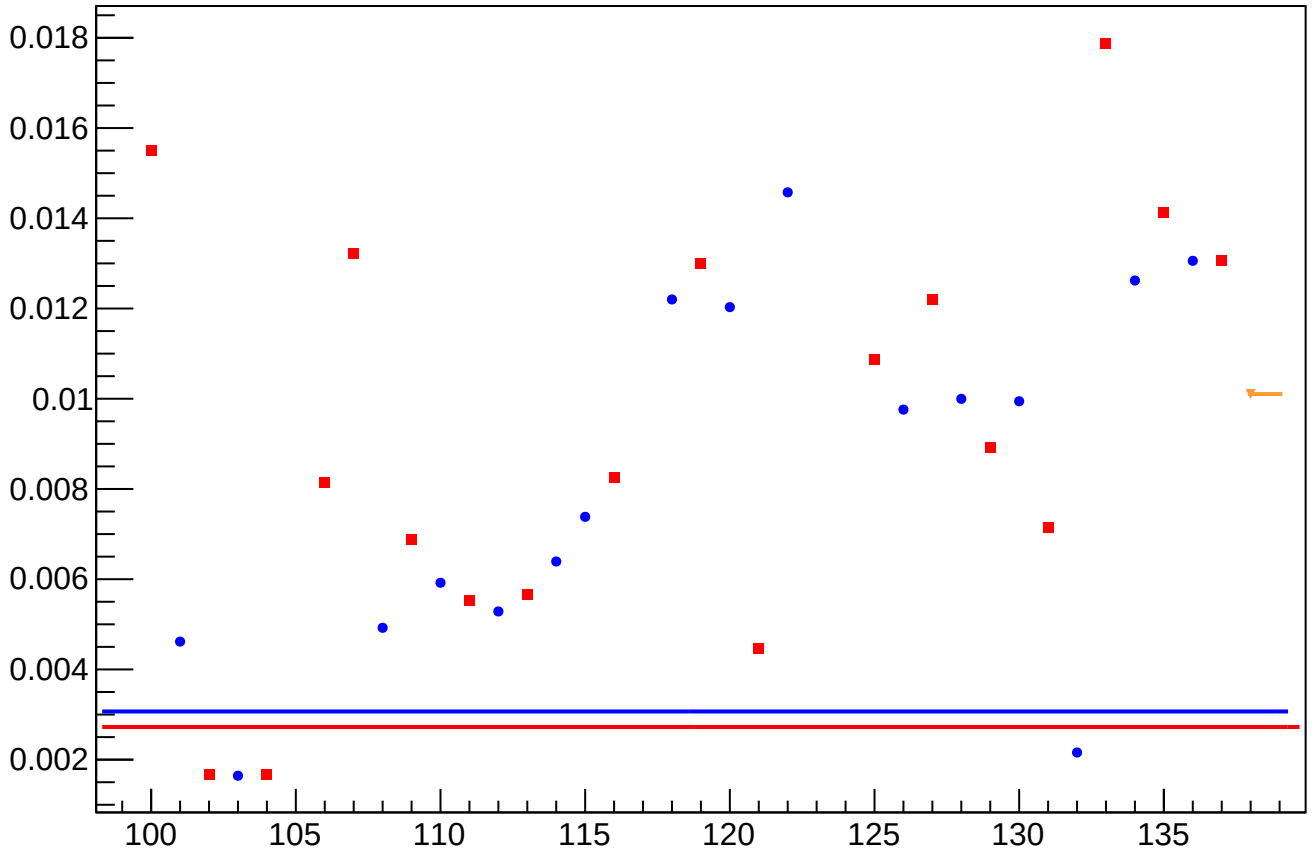
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:12.6/15

Out: 0.000+/-0.000 χ^2/NDF:15.7/18

All: -0.000+/-0.000 χ^2/NDF: 28.7/34



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.010+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.000 χ^2/NDF: 0.0/0

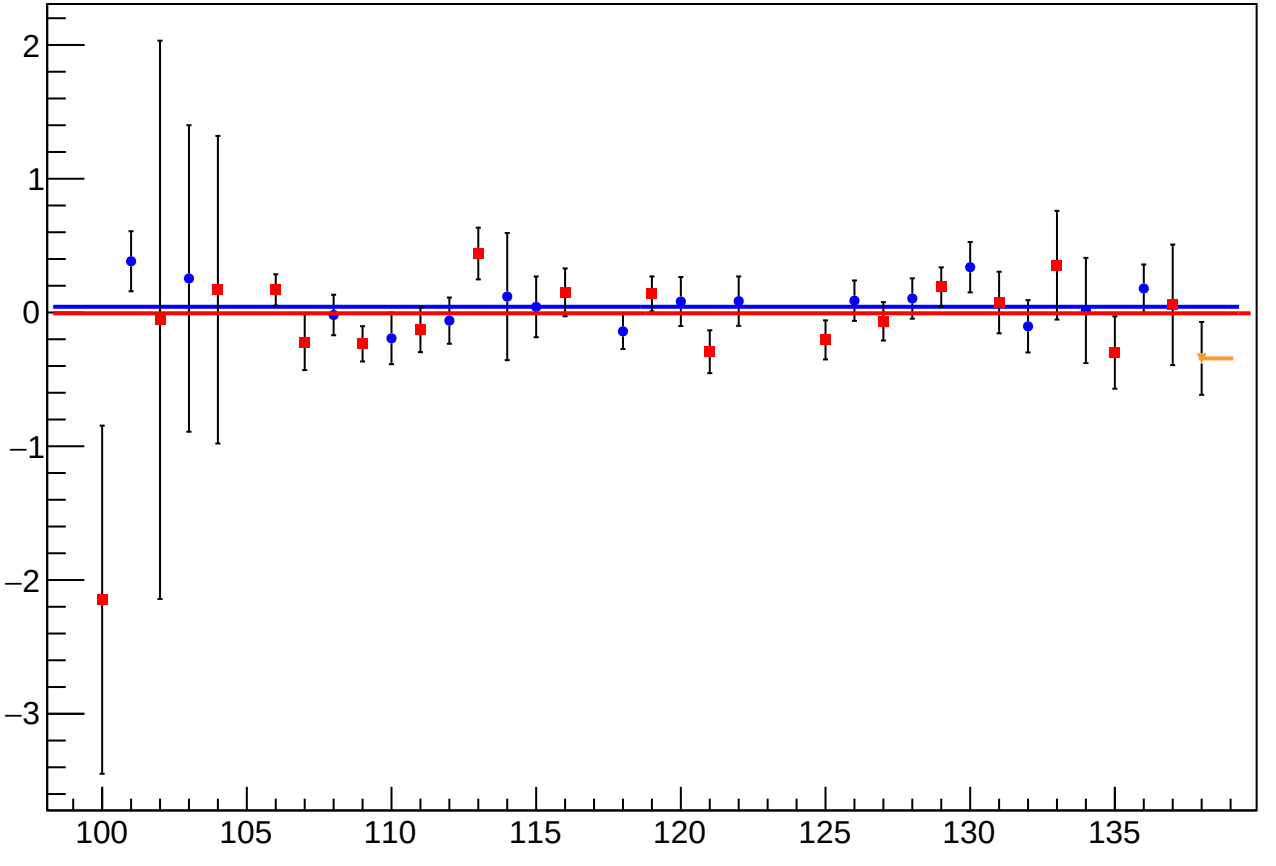
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.003+/-0.000 χ^2/NDF:5964299.9/15

Out: 0.003+/-0.000 χ^2/NDF:7511575.2/18

All: 0.003+/-0.000 χ^2/NDF: 13501644.6/34

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: -0.343+/-0.272 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.343+/-0.272 χ^2/NDF: 0.0/0

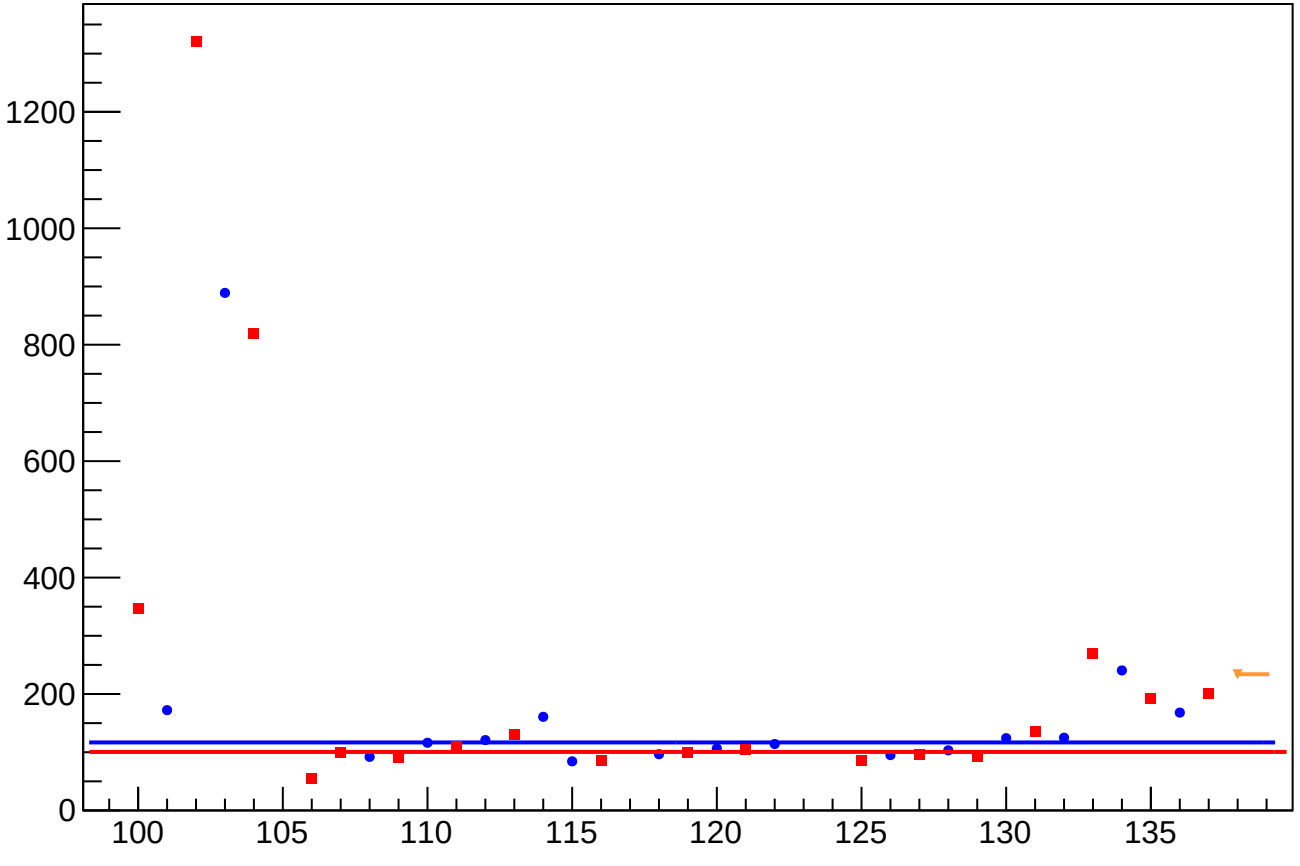
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.043+/-0.047 χ^2/NDF:10.3/15

Out: -0.014+/-0.043 χ^2/NDF:27.5/18

All: 0.011+/-0.032 χ^2/NDF: 38.6/34

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: 233.968+/-0.193 χ^2/NDF:0.0/0

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 233.968+/-0.193 χ^2/NDF: 0.0/0

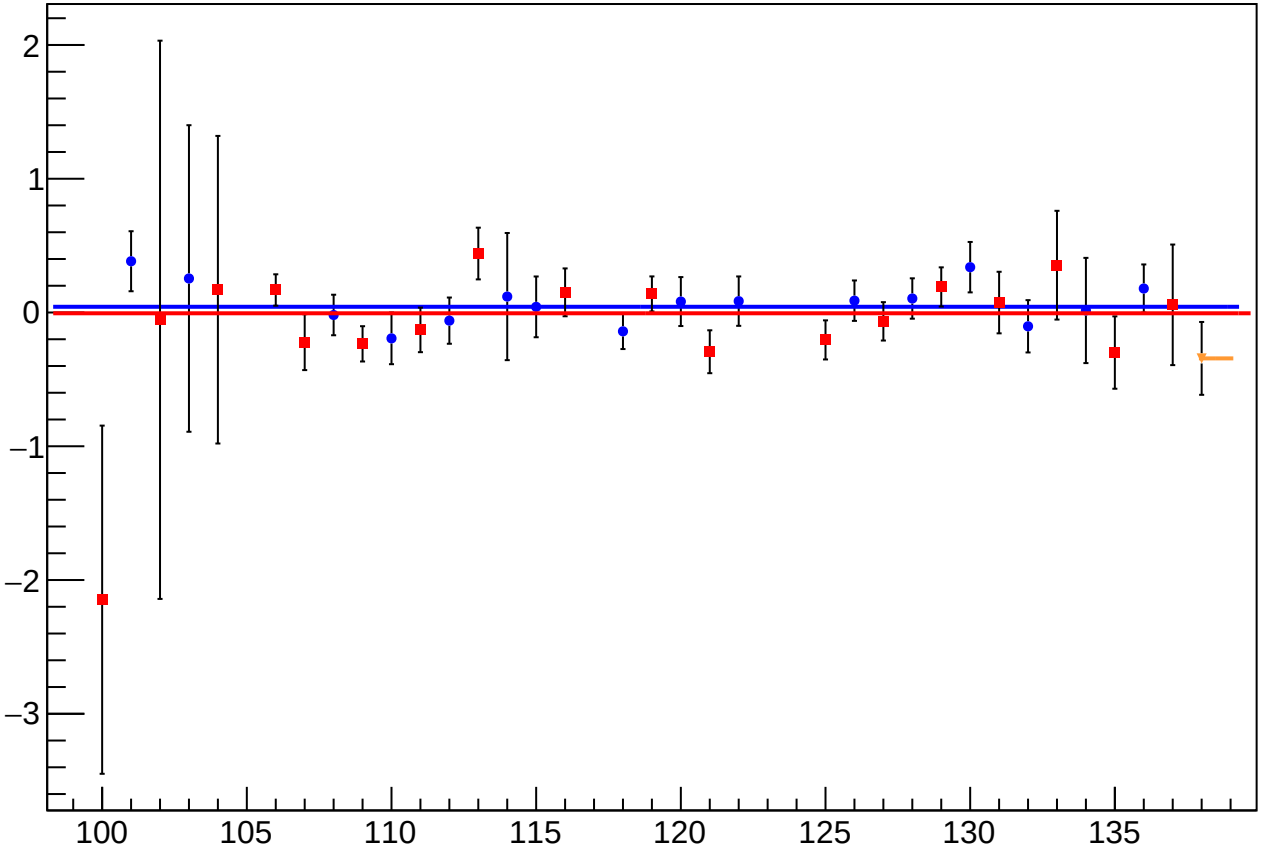
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 116.841+/-0.034 χ^2/NDF:1620812.6/15

Out: 103.844+/-0.030 χ^2/NDF:3132345.9/18

All: 109.679+/-0.022 χ^2/NDF: 4835797.4/34

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.343+/-0.272 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

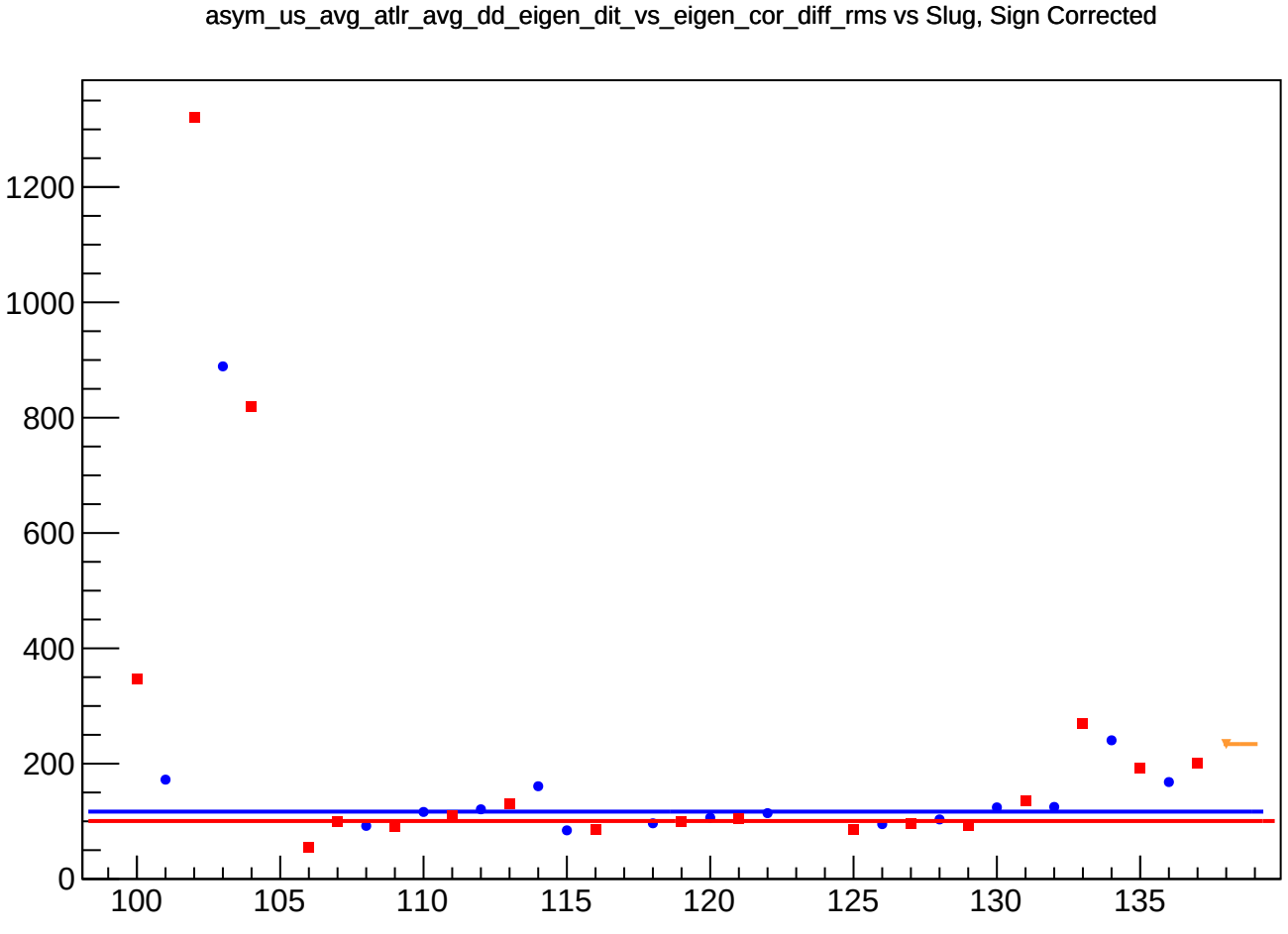
Left: -0.343+/-0.272 χ^2/NDF: 0.0/0

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.043+/-0.047 χ^2/NDF:10.3/15

Out: -0.014+/-0.043 χ^2/NDF:27.5/18

All: 0.011+/-0.032 χ^2/NDF: 38.6/34



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 233.968+/-0.193 χ^2/NDF:0.0/0

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 233.968+/-0.193 χ^2/NDF: 0.0/0

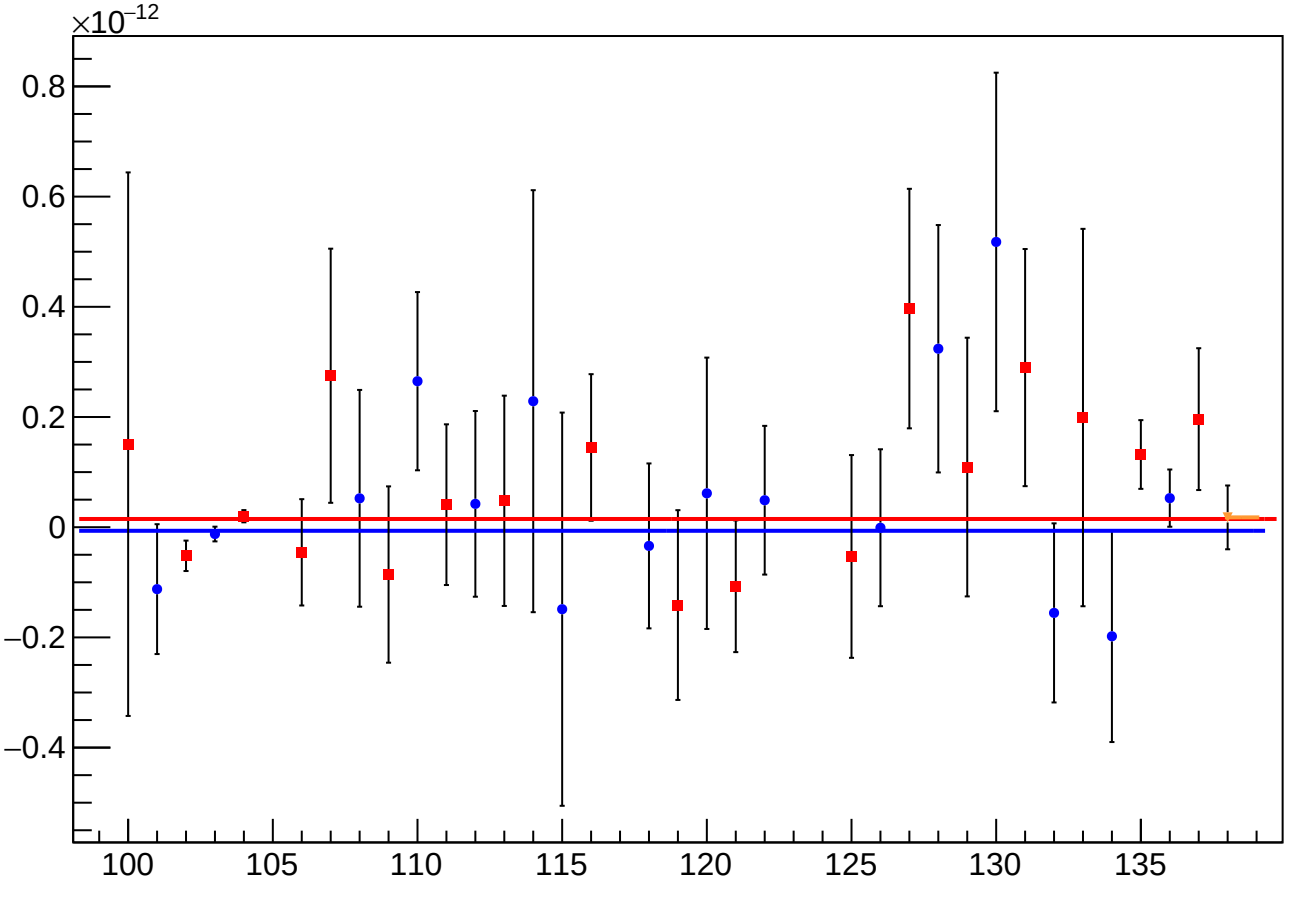
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 116.841+/-0.034 χ^2/NDF:1620812.6/15

Out: 103.844+/-0.030 χ^2/NDF:3132345.9/18

All: 109.679+/-0.022 χ^2/NDF: 4835797.4/34

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

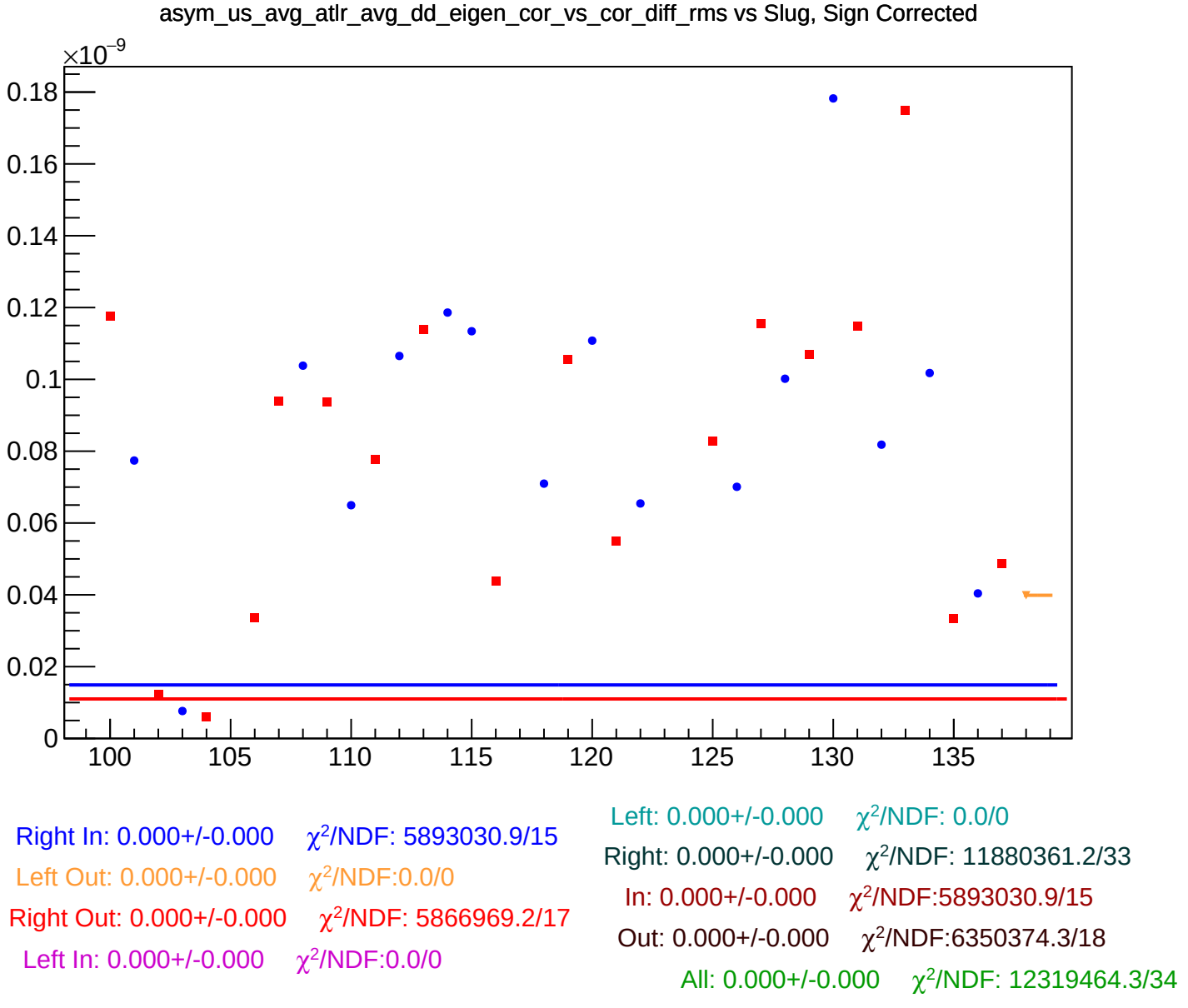
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

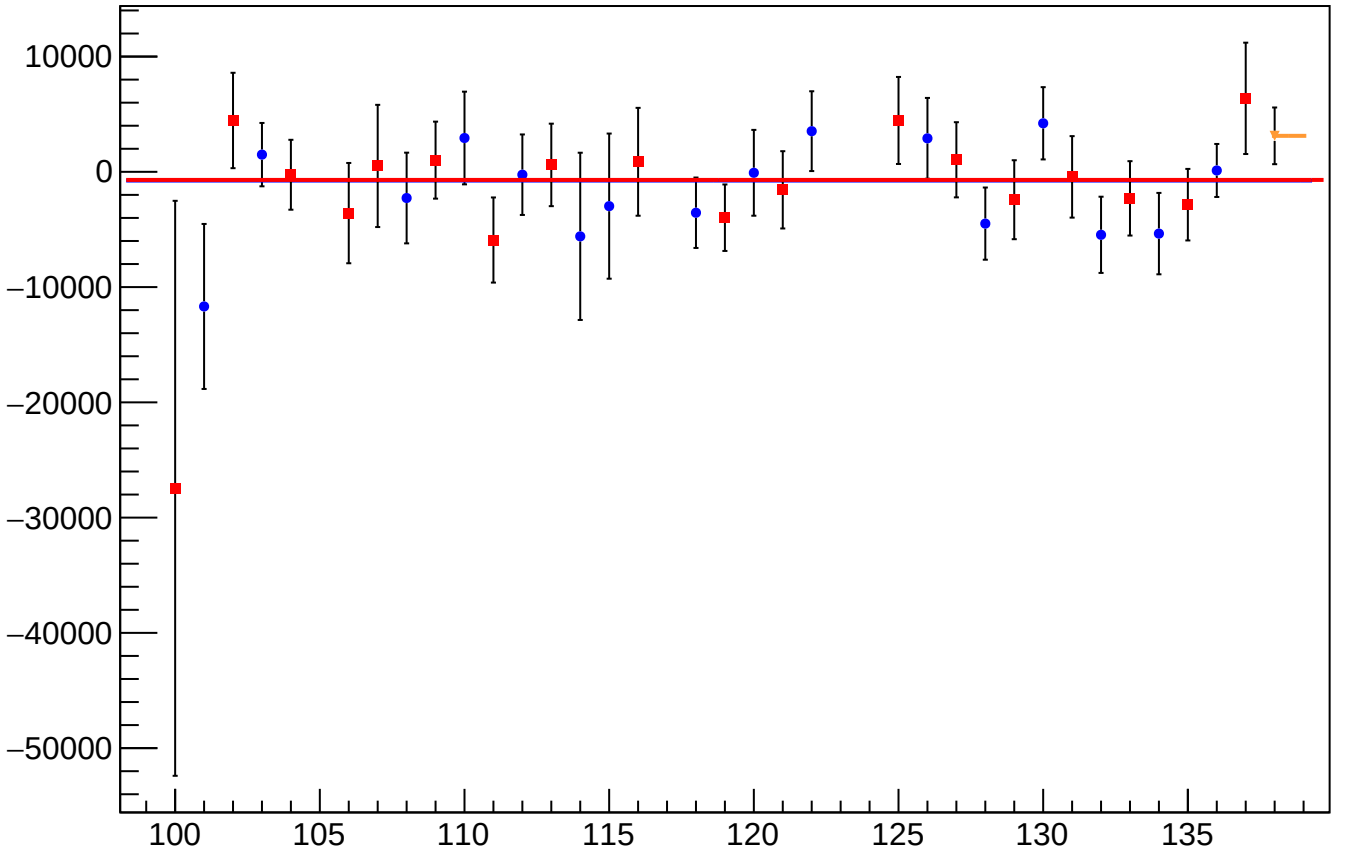
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: -0.000+/-0.000 χ^2/NDF:13.0/15

Out: 0.000+/-0.000 χ^2/NDF:21.9/18

All: 0.000+/-0.000 χ^2/NDF: 36.8/34


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:5893030.9/15
Out: 0.000+/-0.000 χ²/NDF:6350374.3/18
All: 0.000+/-0.000 χ²/NDF: 12319464.3/34



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: 3122.561+/-2459.248 χ^2/NDF:0.0/0

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

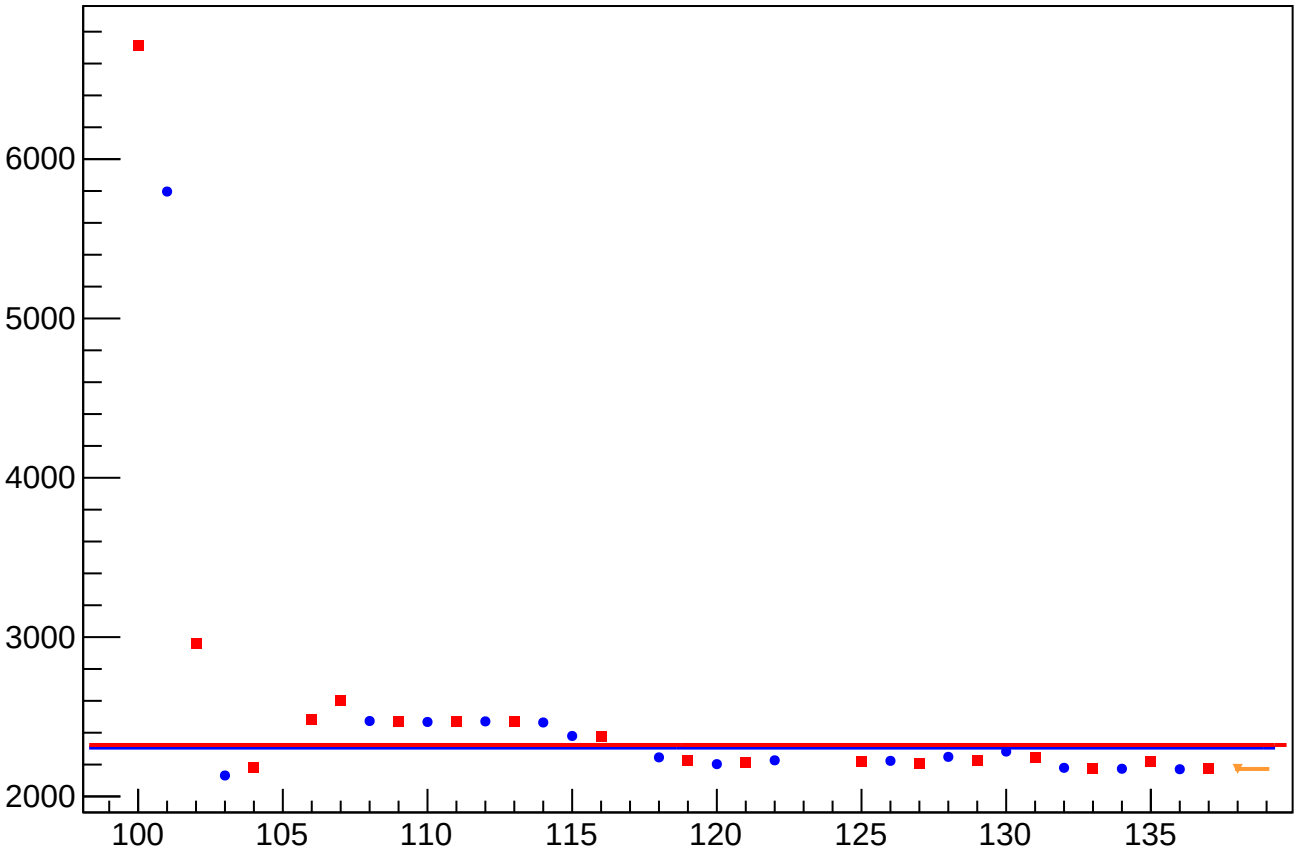
Left: 3122.561+/-2459.248 χ^2/NDF: 0.0/0

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -754.291+/-872.652 χ^2/NDF:15.9/15

Out: -277.945+/-819.055 χ^2/NDF:14.5/18

All: -501.041+/-597.209 χ^2/NDF: 30.5/34



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2172.528+/-1.739 χ^2/NDF:0.0/0

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2172.528+/-1.739 χ^2/NDF: 0.0/0

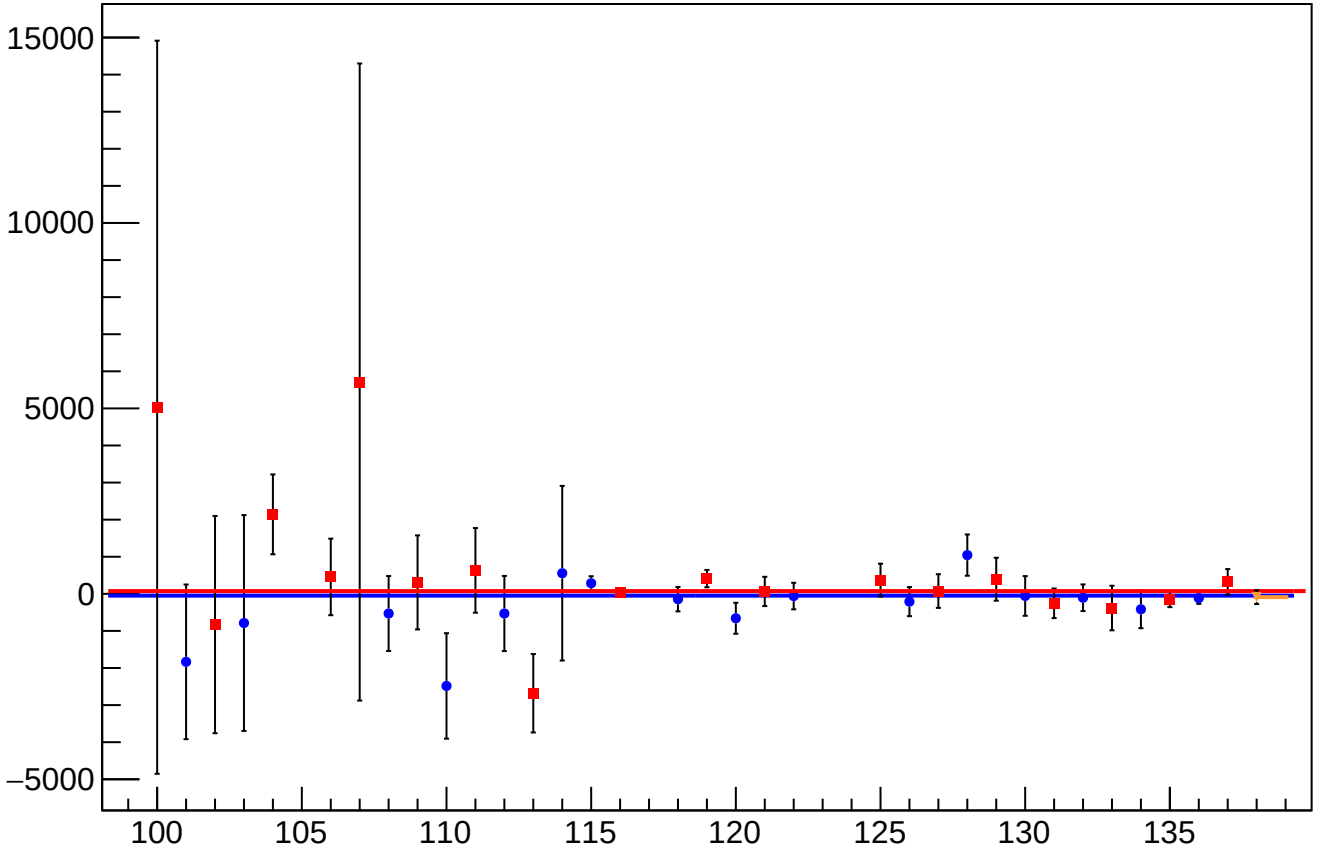
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2306.643+/-0.617 χ^2/NDF:514150.3/15

Out: 2306.318+/-0.579 χ^2/NDF:158445.0/18

All: 2306.471+/-0.422 χ^2/NDF: 672595.4/34

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: -88.462+/-187.373 χ^2/NDF:0.0/0

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -88.462+/-187.373 χ^2/NDF: 0.0/0

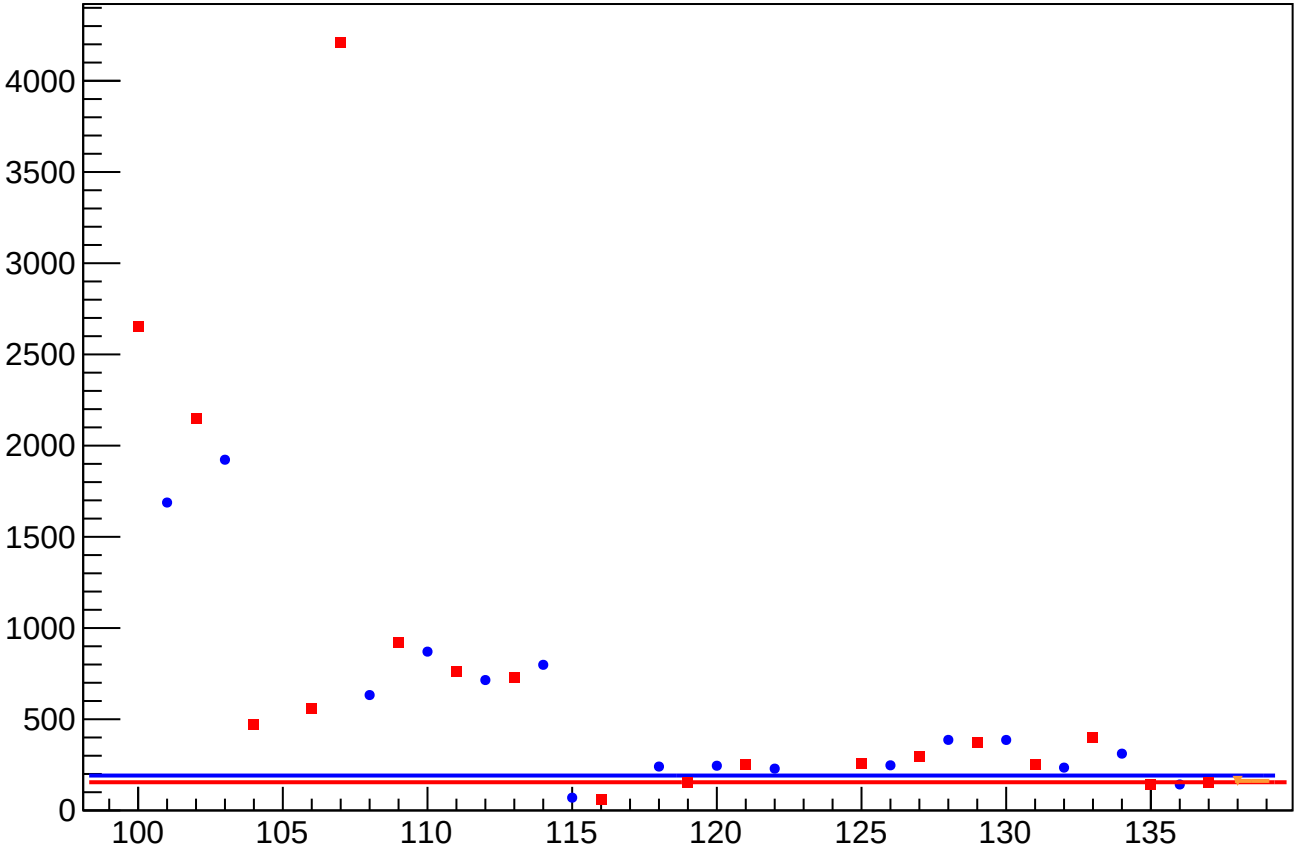
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: -47.927+/-90.914 χ^2/NDF:14.4/15

Out: 47.849+/-75.416 χ^2/NDF:18.3/18

All: 8.808+/-58.045 χ^2/NDF: 33.3/34

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: 161.977+/-0.132 χ^2/NDF:0.0/0

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

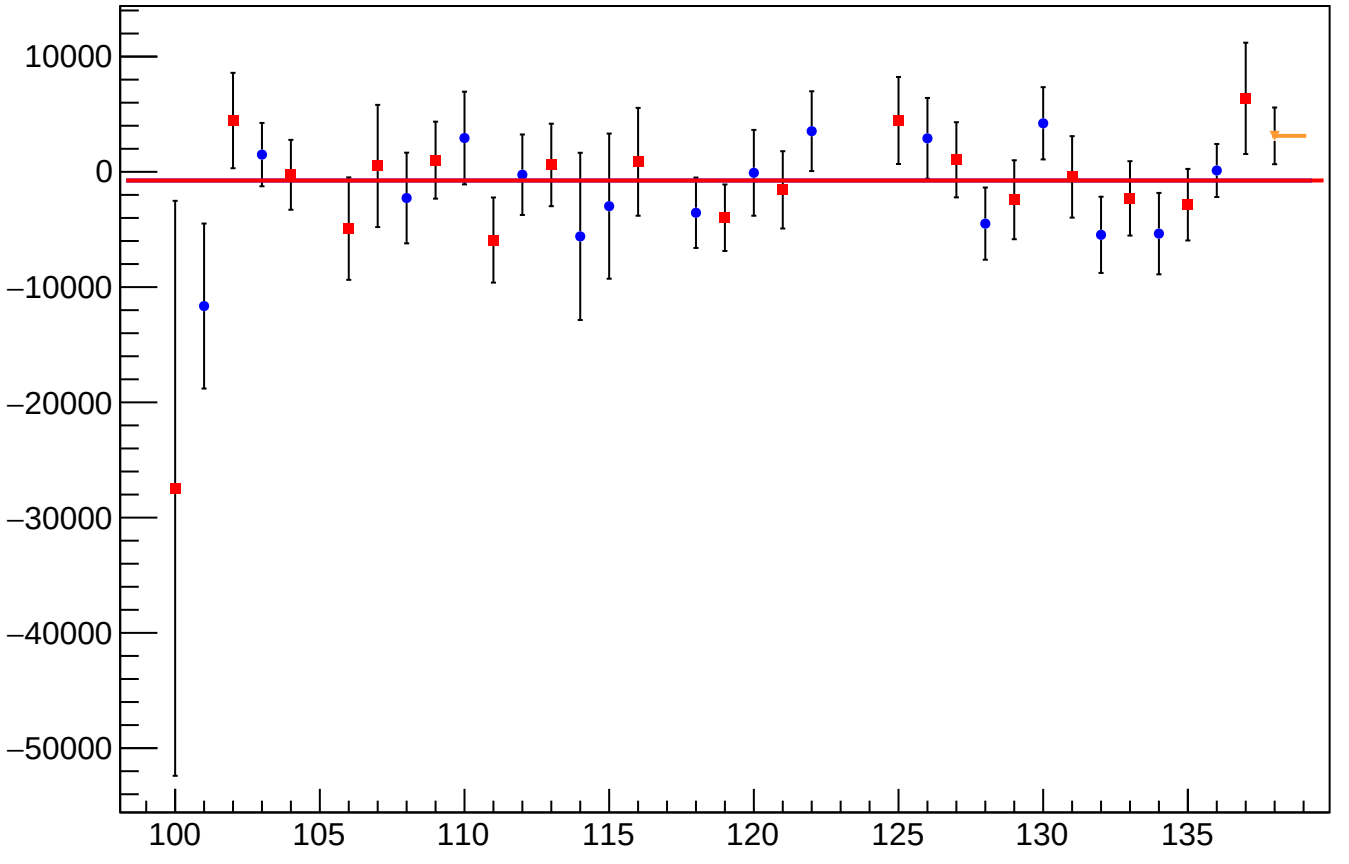
Left: 161.977+/-0.132 χ^2/NDF: 0.0/0

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 191.381+/-0.064 χ^2/NDF:5064747.7/15

Out: 155.859+/-0.053 χ^2/NDF:6156830.2/18

All: 170.339+/-0.041 χ^2/NDF: 11402436.9/34



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: 3122.528+/-2459.248 χ^2/NDF:0.0/0

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

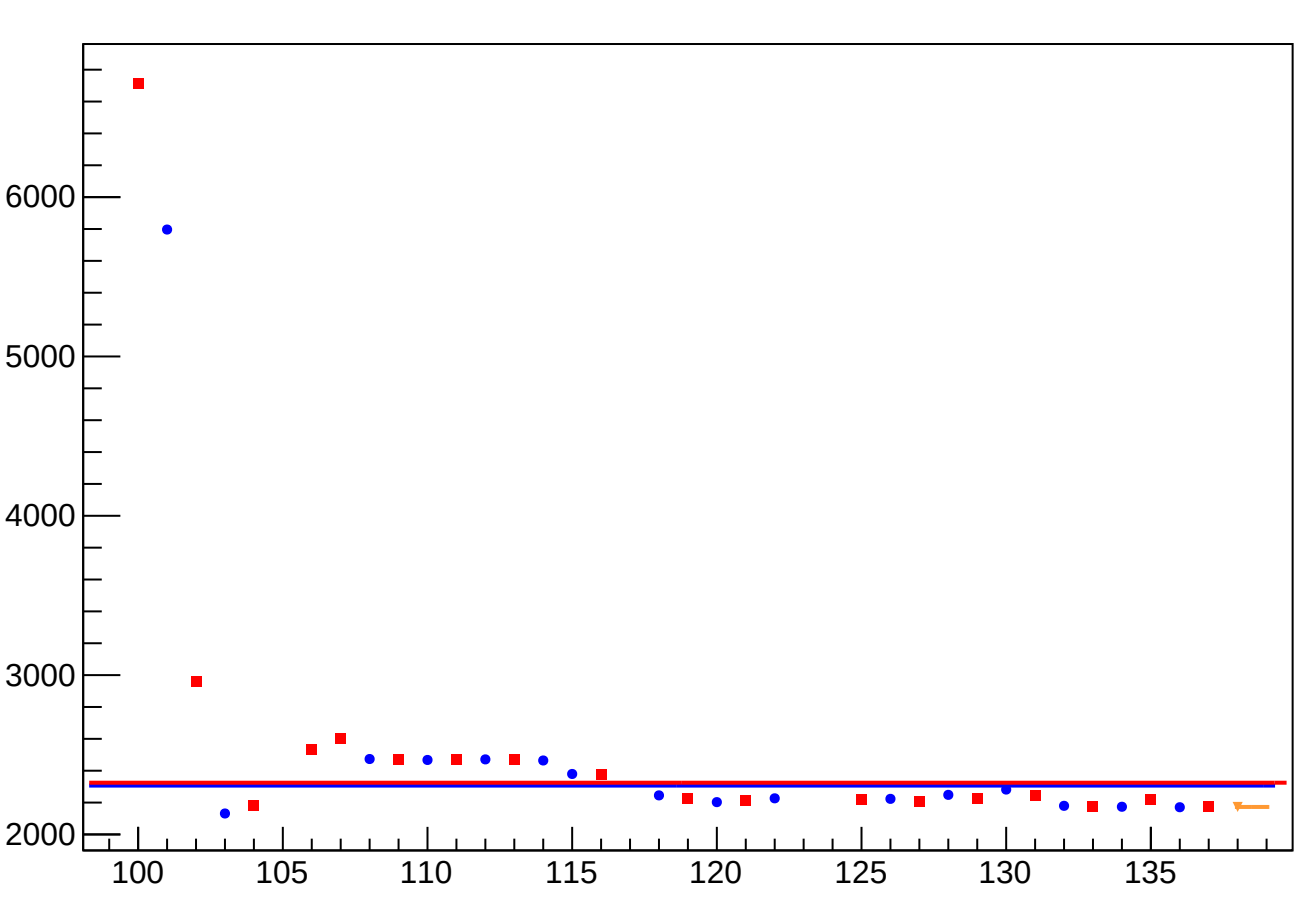
Left: 3122.528+/-2459.248 χ^2/NDF: 0.0/0

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -753.322+/-872.653 χ^2/NDF:15.9/15

Out: -319.208+/-819.657 χ^2/NDF:15.0/18

All: -522.684+/-597.442 χ^2/NDF: 31.0/34



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2172.528+/-1.739 χ^2/NDF:0.0/0

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2172.528+/-1.739 χ^2/NDF: 0.0/0

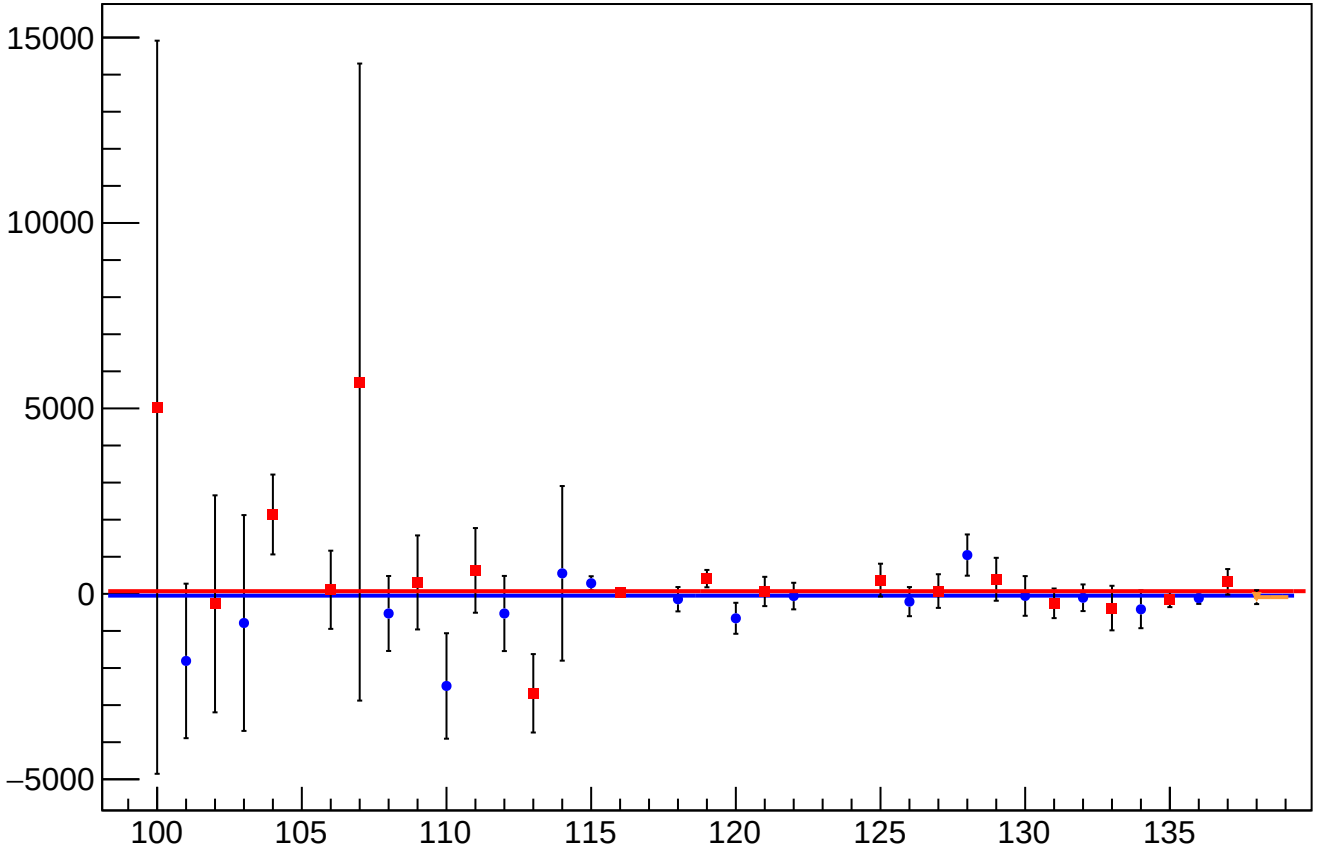
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2306.643+/-0.617 χ^2/NDF:514150.6/15

Out: 2307.782+/-0.580 χ^2/NDF:160384.1/18

All: 2307.248+/-0.422 χ^2/NDF: 674536.5/34

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: -88.385+/-187.366 χ^2/NDF:0.0/0

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -88.385+/-187.366 χ^2/NDF: 0.0/0

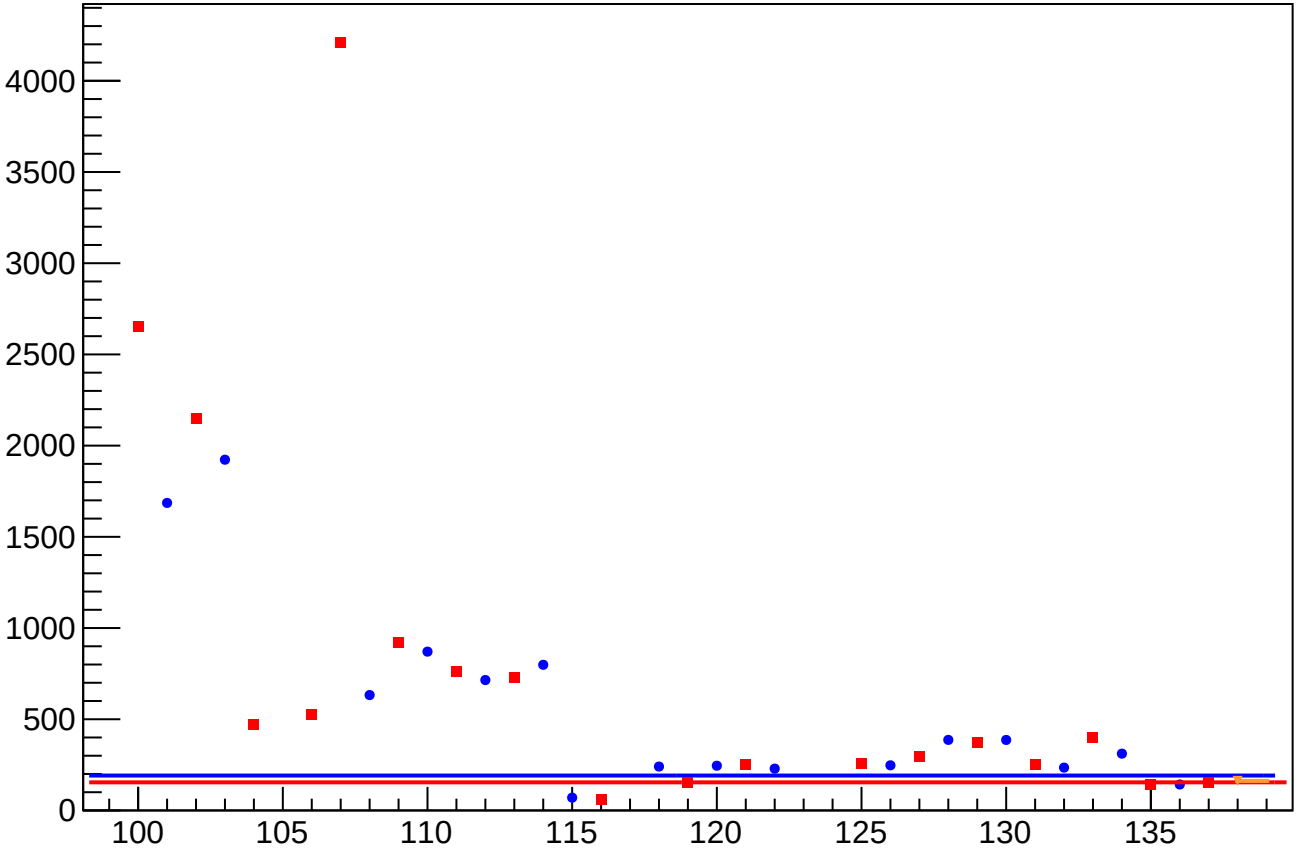
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: -47.960+/-90.920 χ^2/NDF:14.4/15

Out: 46.214+/-75.368 χ^2/NDF:18.0/18

All: 7.858+/-58.024 χ^2/NDF: 33.0/34

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: 161.970+/-0.132 χ^2/NDF:0.0/0

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

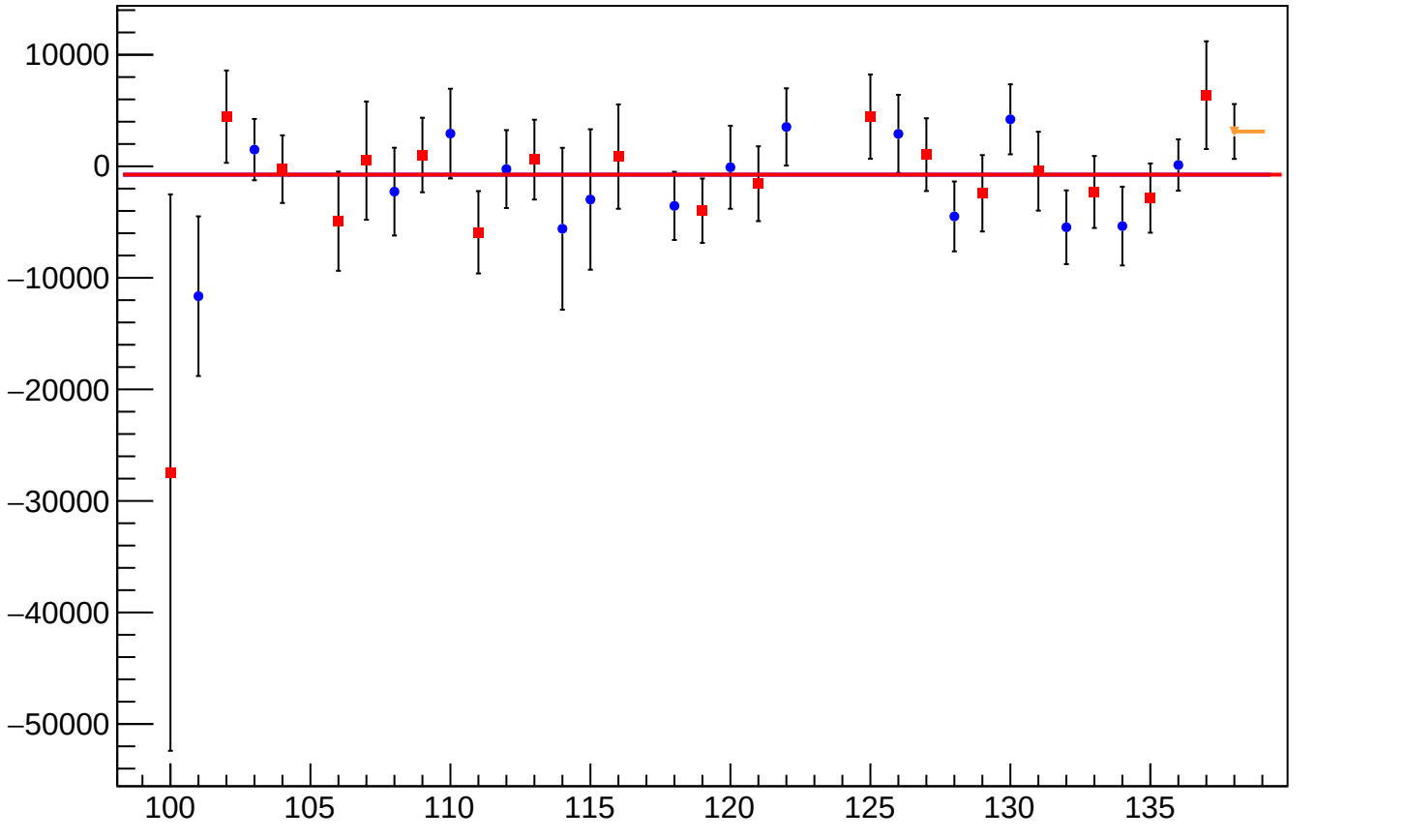
Left: 161.970+/-0.132 χ^2/NDF: 0.0/0

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 191.405+/-0.064 χ^2/NDF:5063603.7/15

Out: 155.391+/-0.053 χ^2/NDF:6111607.0/18

All: 170.059+/-0.041 χ^2/NDF: 11361202.8/34



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: 3122.528+/-2459.248 χ^2/NDF:0.0/0

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

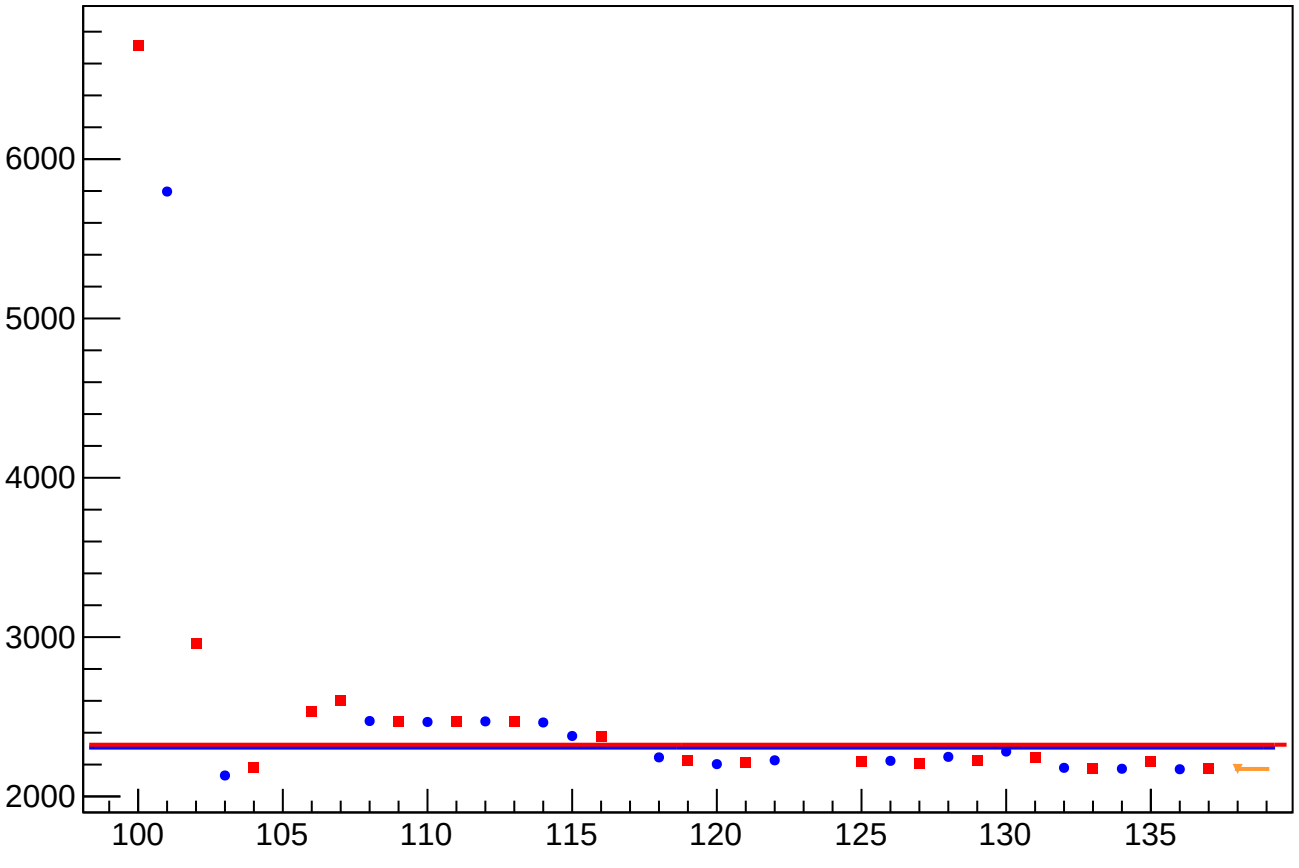
Left: 3122.528+/-2459.248 χ^2/NDF: 0.0/0

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -753.322+/-872.653 χ^2/NDF:15.9/15

Out: -319.208+/-819.657 χ^2/NDF:15.0/18

All: -522.684+/-597.442 χ^2/NDF: 31.0/34



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2172.528+/-1.739 χ^2/NDF:0.0/0

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2172.528+/-1.739 χ^2/NDF: 0.0/0

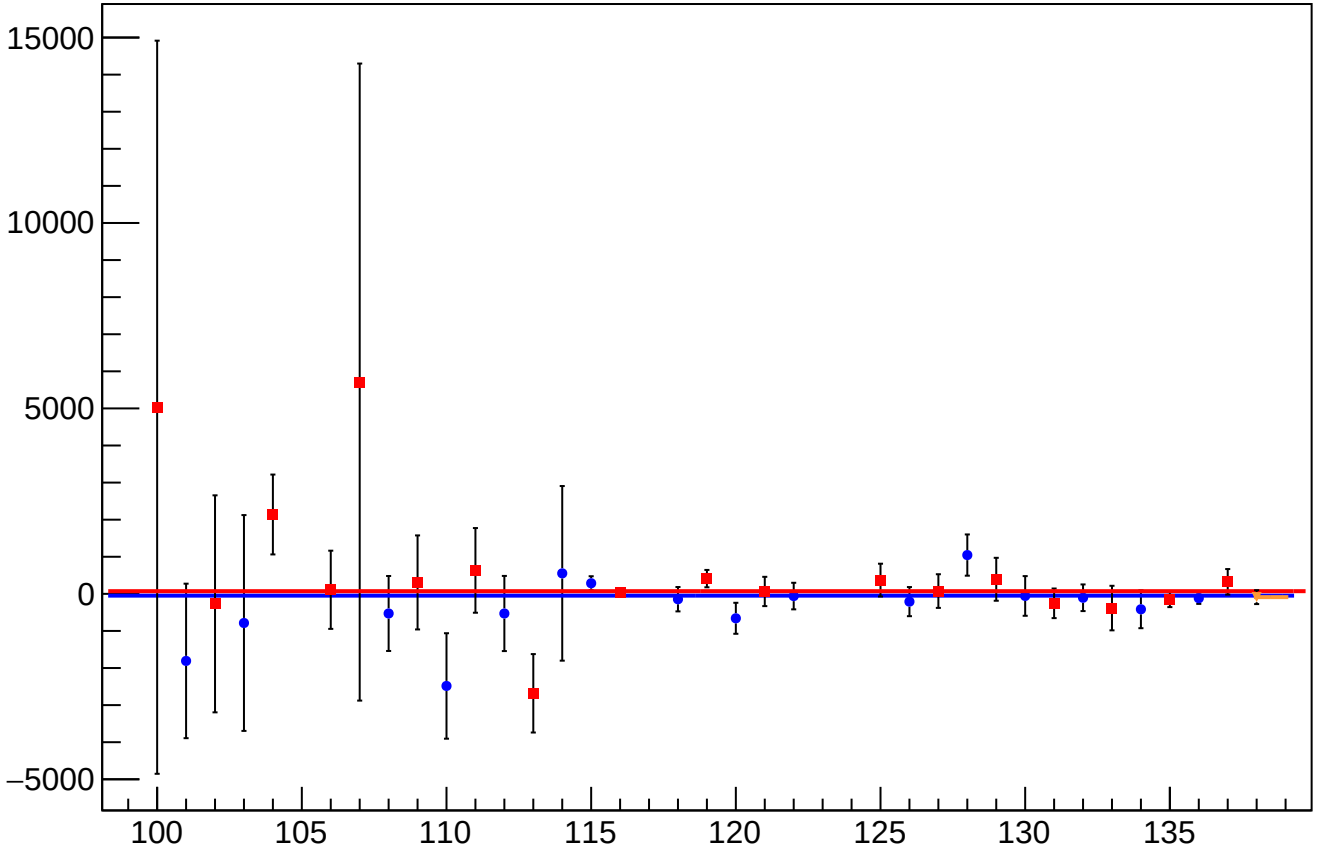
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2306.643+/-0.617 χ^2/NDF:514150.6/15

Out: 2307.782+/-0.580 χ^2/NDF:160384.1/18

All: 2307.248+/-0.422 χ^2/NDF: 674536.5/34

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: -88.385+/-187.366 χ^2/NDF:0.0/0

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -88.385+/-187.366 χ^2/NDF: 0.0/0

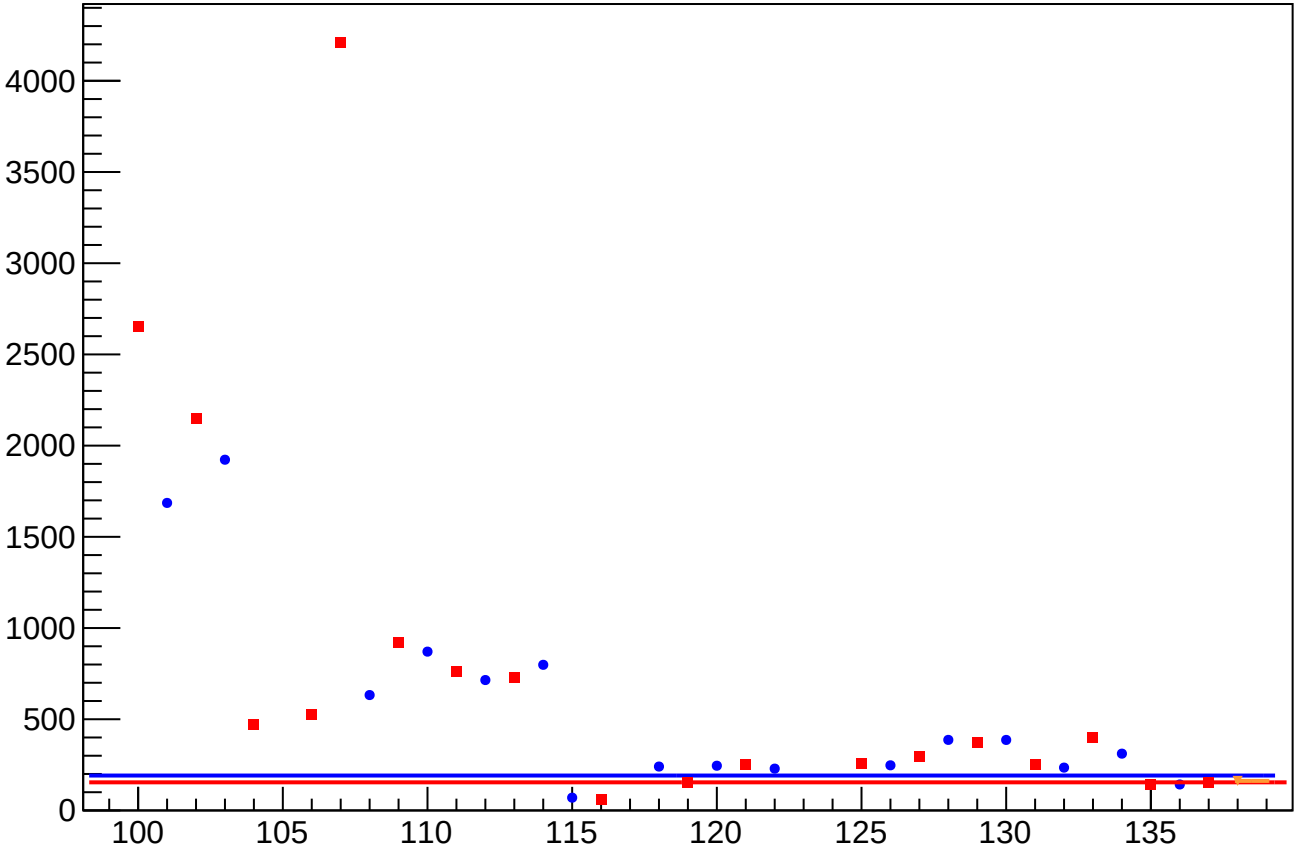
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: -47.960+/-90.920 χ^2/NDF:14.4/15

Out: 46.214+/-75.368 χ^2/NDF:18.0/18

All: 7.858+/-58.024 χ^2/NDF: 33.0/34

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: 161.970+/-0.132 χ^2/NDF:0.0/0

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

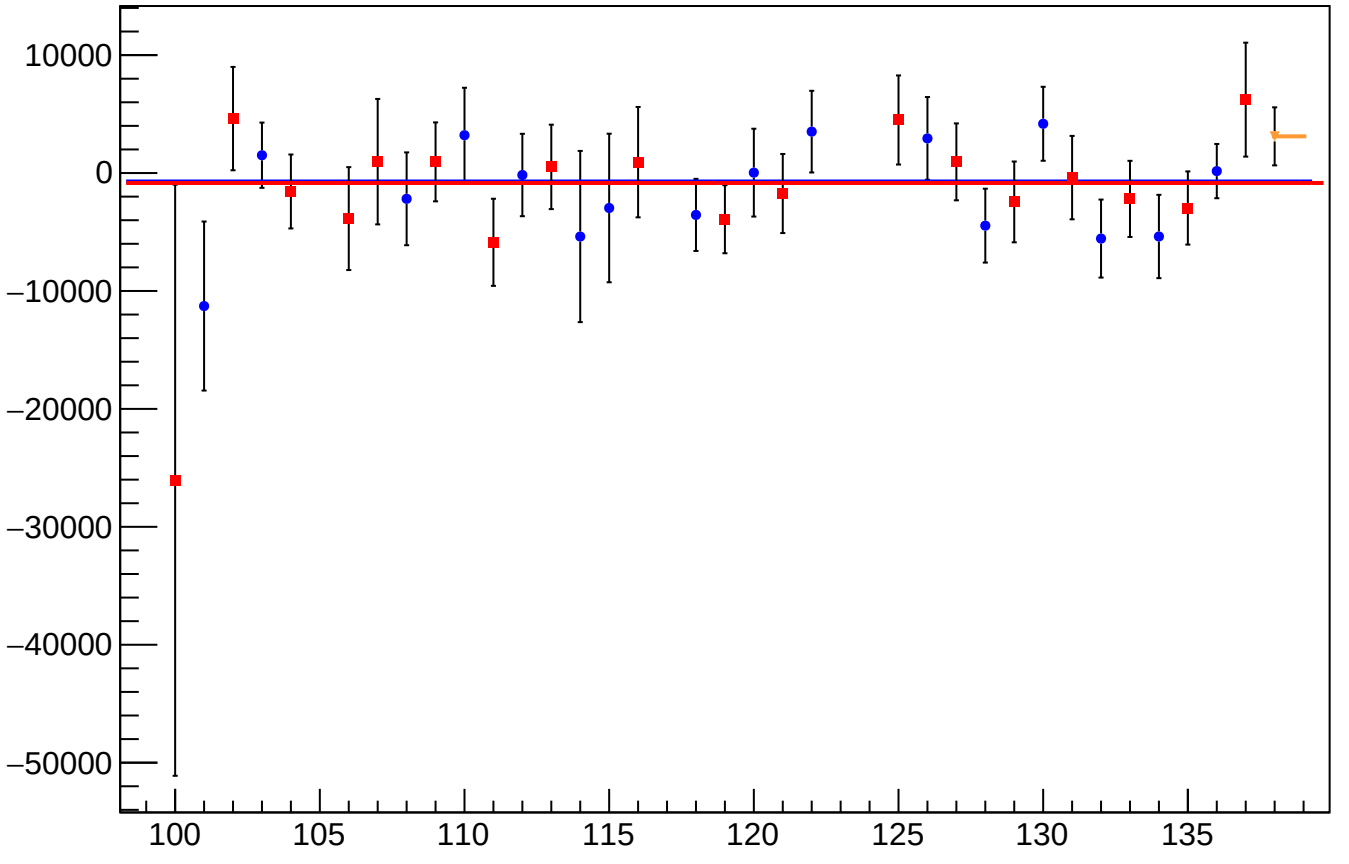
Left: 161.970+/-0.132 χ^2/NDF: 0.0/0

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 191.405+/-0.064 χ^2/NDF:5063603.7/15

Out: 155.391+/-0.053 χ^2/NDF:6111607.0/18

All: 170.059+/-0.041 χ^2/NDF: 11361202.8/34



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: 3111.510+/-2460.356 χ^2/NDF:0.0/0

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

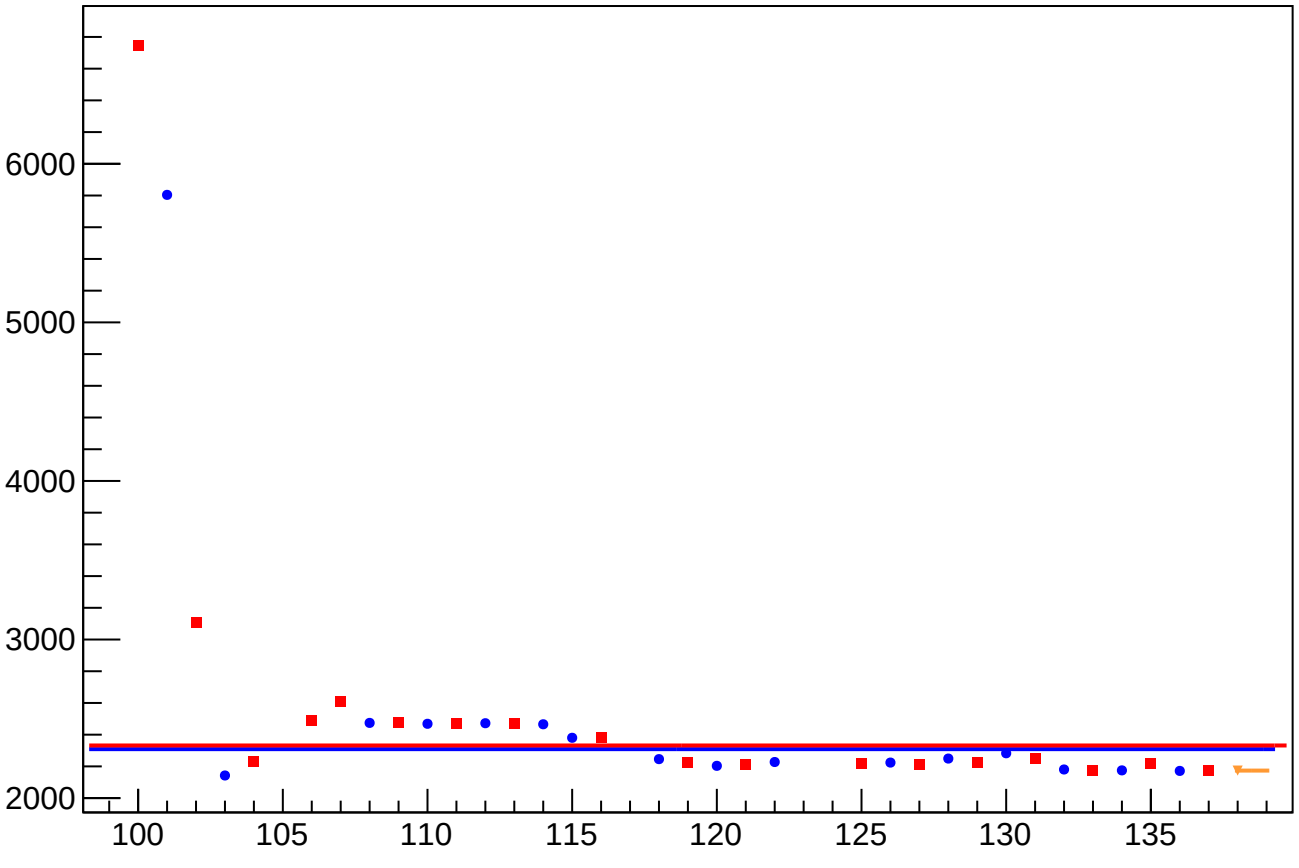
Left: 3111.510+/-2460.356 χ^2/NDF: 0.0/0

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -717.136+/-873.539 χ^2/NDF:15.8/15

Out: -399.518+/-823.233 χ^2/NDF:14.5/18

All: -548.919+/-599.109 χ^2/NDF: 30.4/34



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2173.507+/-1.740 χ^2/NDF:0.0/0

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

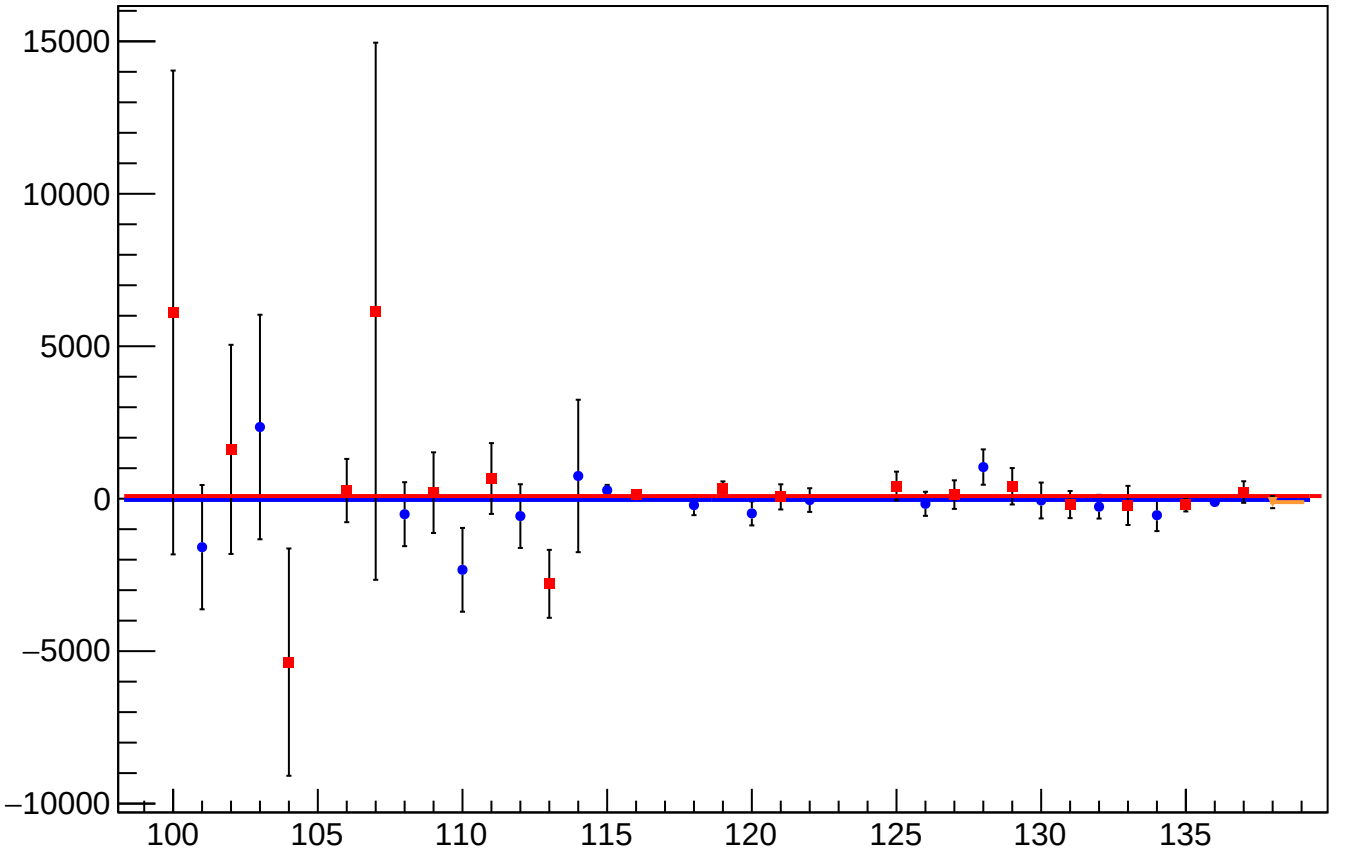
Left: 2173.507+/-1.740 χ^2/NDF: 0.0/0

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2308.739+/-0.618 χ^2/NDF:513742.2/15

Out: 2314.122+/-0.582 χ^2/NDF:174678.0/18

All: 2311.590+/-0.424 χ^2/NDF: 688460.5/34



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -111.956+/-198.956 χ^2/NDF:0.0/0

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -111.956+/-198.956 χ^2/NDF: 0.0/0

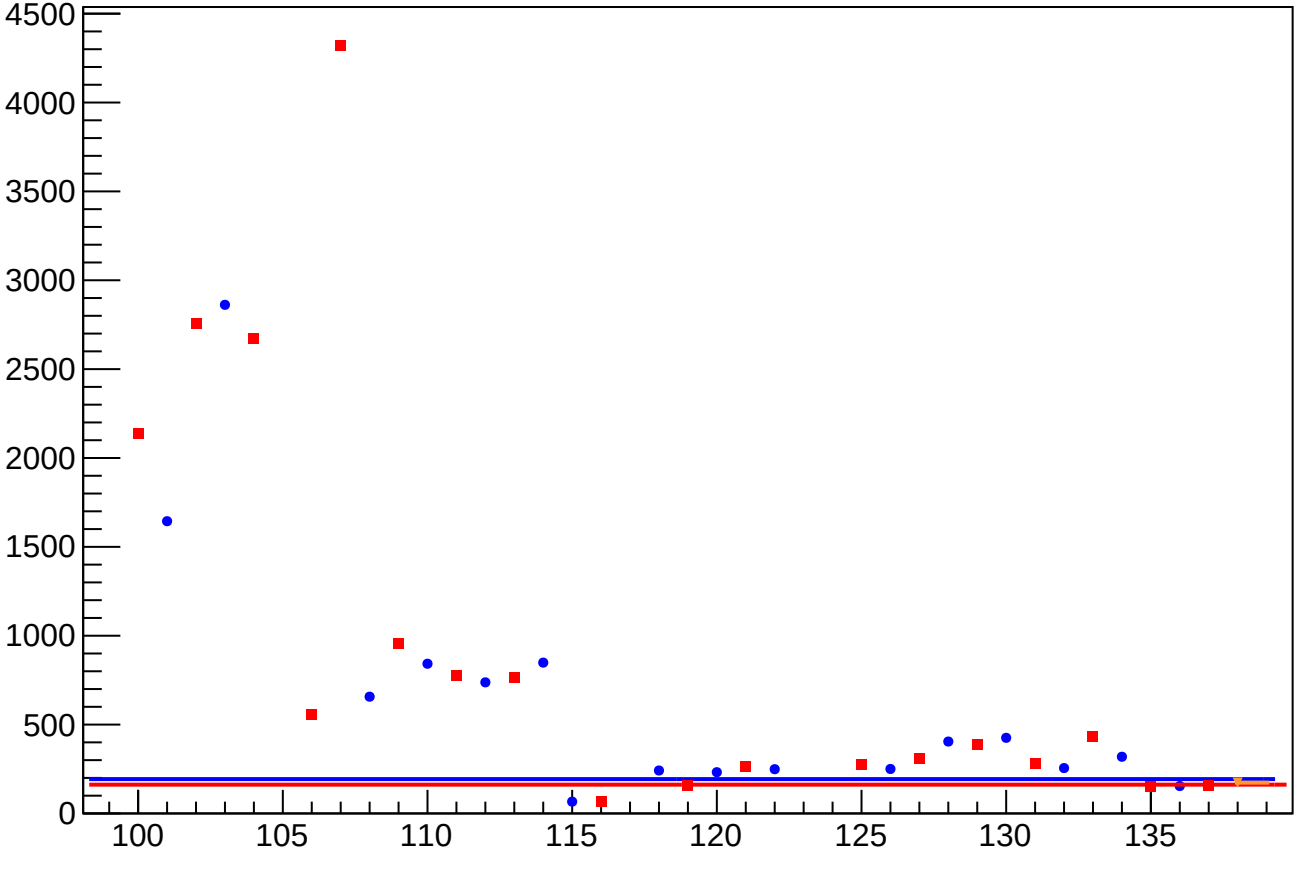
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: -40.119+/-92.409 χ^2/NDF:14.1/15

Out: 55.101+/-79.009 χ^2/NDF:15.8/18

All: 14.889+/-60.052 χ^2/NDF: 30.5/34

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: 173.587+/-0.141 χ^2/NDF:0.0/0

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

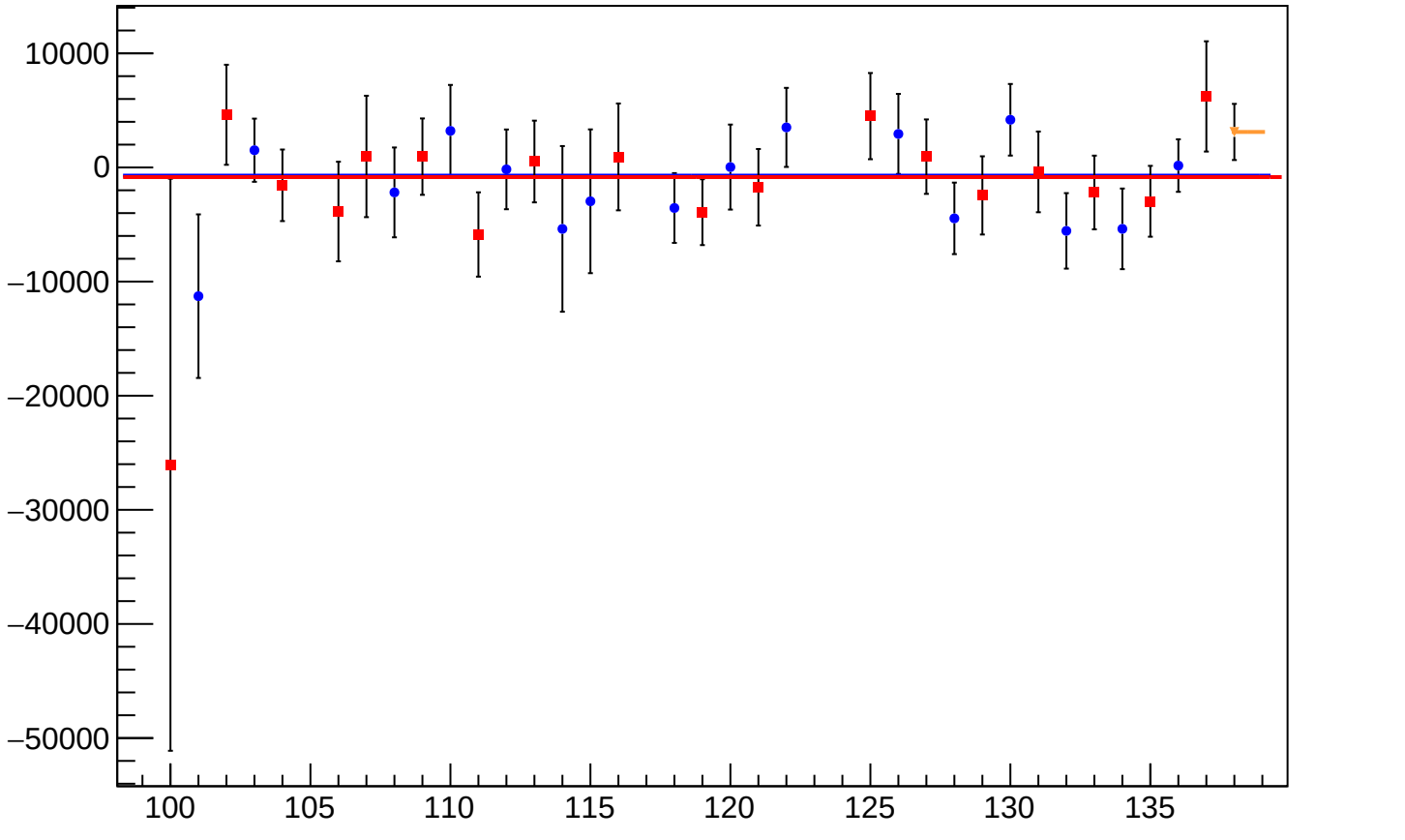
Left: 173.587+/-0.141 χ^2/NDF: 0.0/0

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 193.255+/-0.065 χ^2/NDF:5617847.0/15

Out: 163.923+/-0.056 χ^2/NDF:7076091.3/18

All: 176.310+/-0.042 χ^2/NDF: 12810346.0/34



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: 3111.512+/-2460.356 χ^2/NDF:0.0/0

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

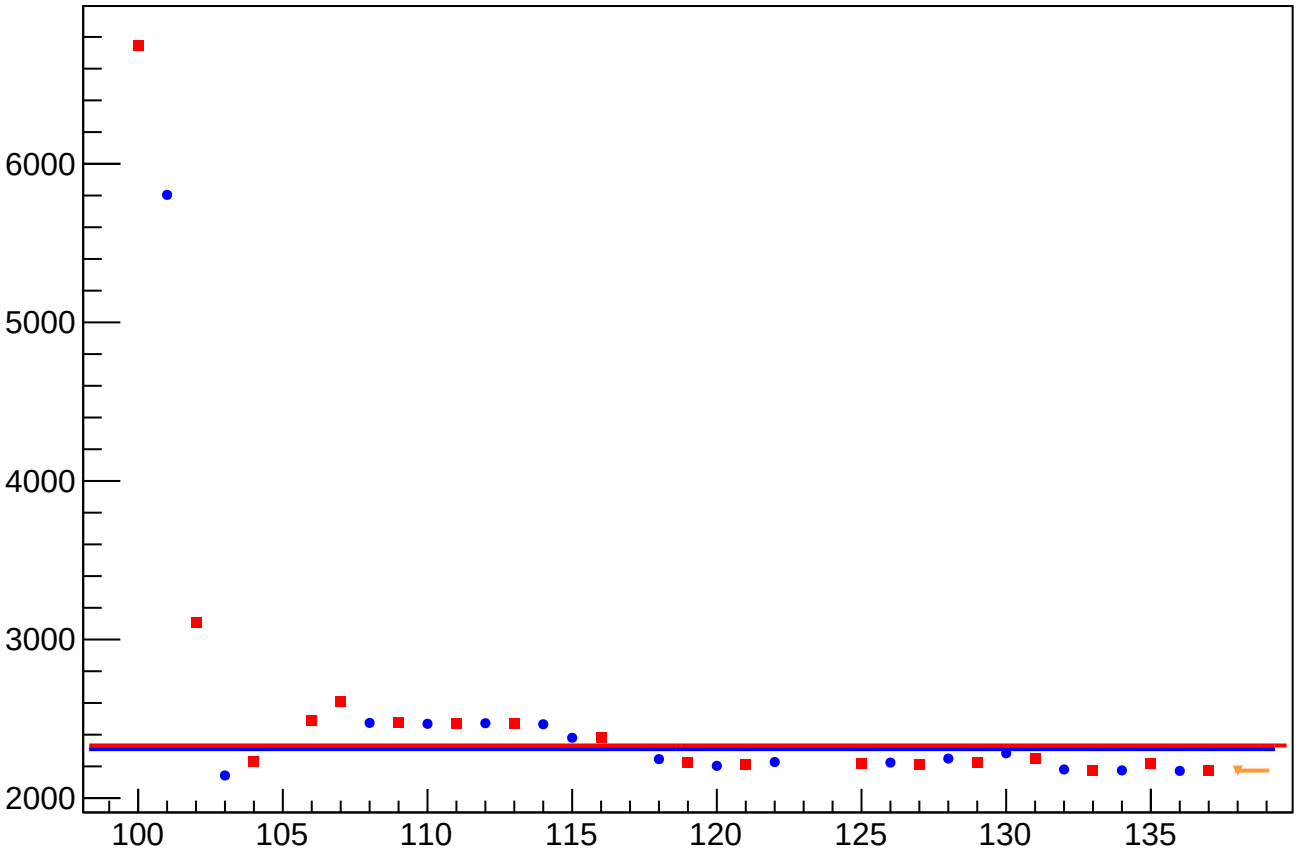
Left: 3111.512+/-2460.356 χ^2/NDF: 0.0/0

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -717.137+/-873.539 χ^2/NDF:15.8/15

Out: -399.520+/-823.233 χ^2/NDF:14.5/18

All: -548.920+/-599.109 χ^2/NDF: 30.4/34



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2173.507+/-1.740 χ^2/NDF:0.0/0

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2173.507+/-1.740 χ^2/NDF: 0.0/0

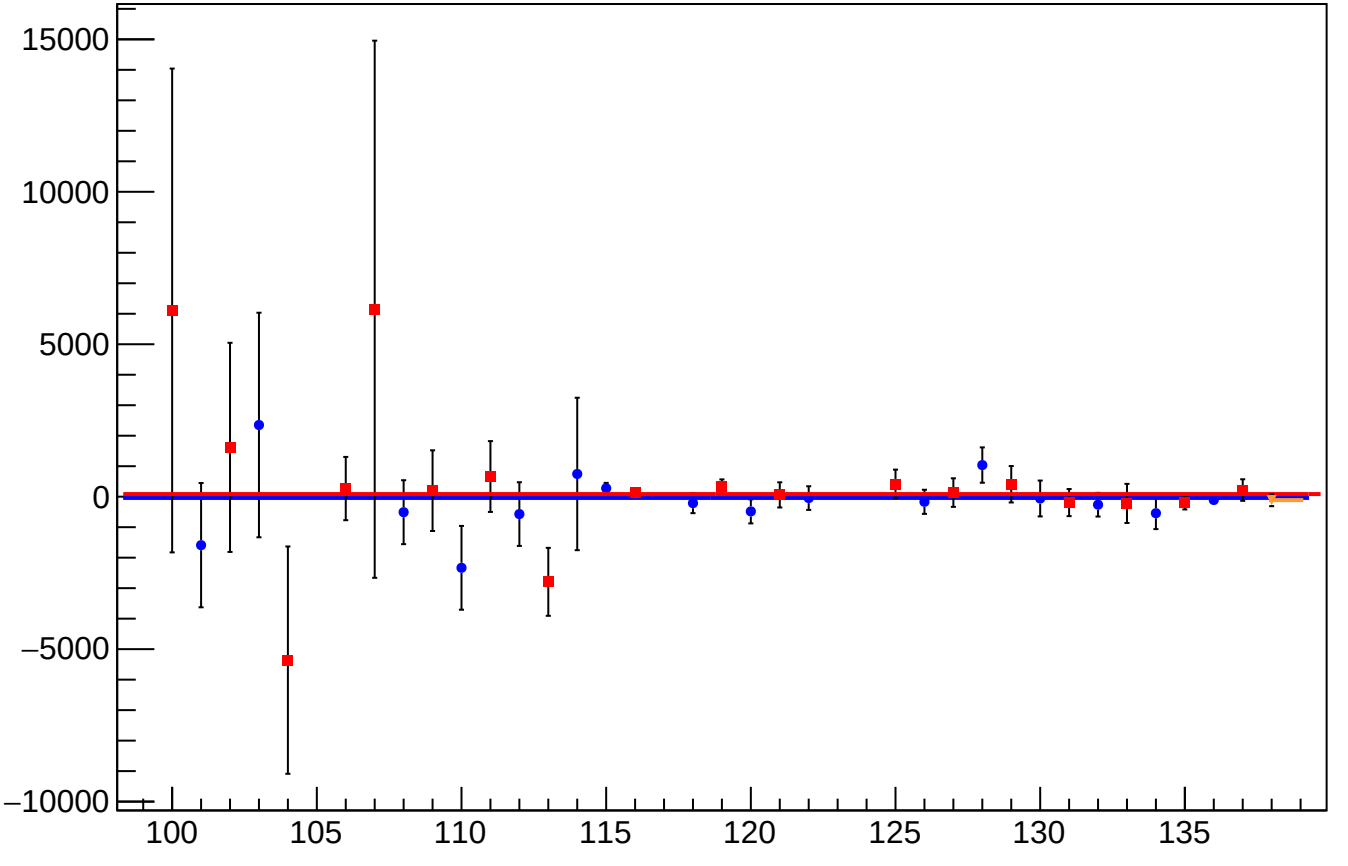
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2308.739+/-0.618 χ^2/NDF:513742.2/15

Out: 2314.122+/-0.582 χ^2/NDF:174677.9/18

All: 2311.590+/-0.424 χ^2/NDF: 688460.4/34

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -111.953+/-198.961 χ^2/NDF:0.0/0

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -111.953+/-198.961 χ^2/NDF: 0.0/0

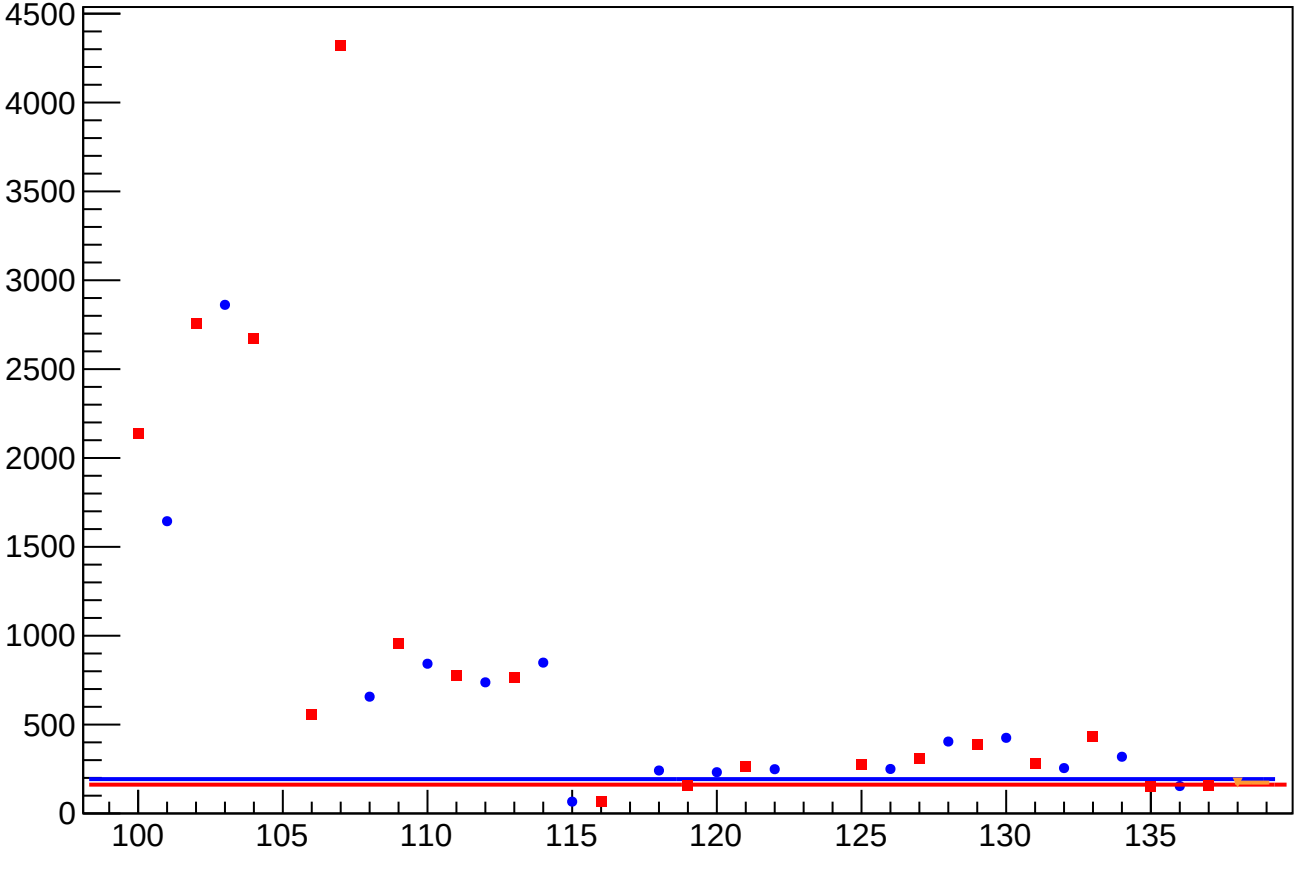
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: -40.116+/-92.408 χ^2/NDF:14.1/15

Out: 55.104+/-79.008 χ^2/NDF:15.8/18

All: 14.892+/-60.051 χ^2/NDF: 30.5/34

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: 173.592+/-0.141 χ^2/NDF:0.0/0

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

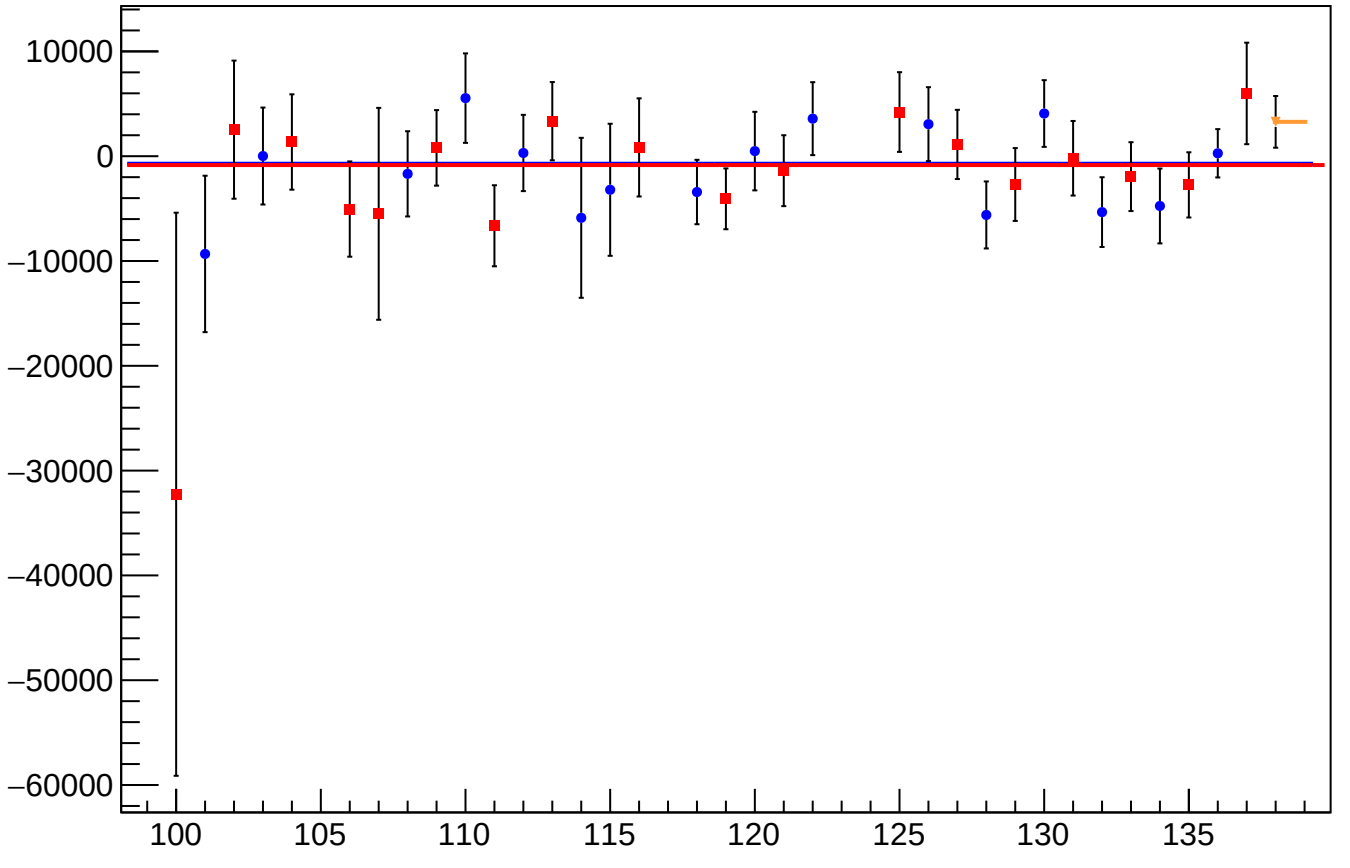
Left: 173.592+/-0.141 χ^2/NDF: 0.0/0

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 193.253+/-0.065 χ^2/NDF:5617884.1/15

Out: 163.922+/-0.056 χ^2/NDF:7076156.2/18

All: 176.309+/-0.042 χ^2/NDF: 12810442.3/34



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: 3278.080+/-2467.599 χ^2/NDF:0.0/0

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

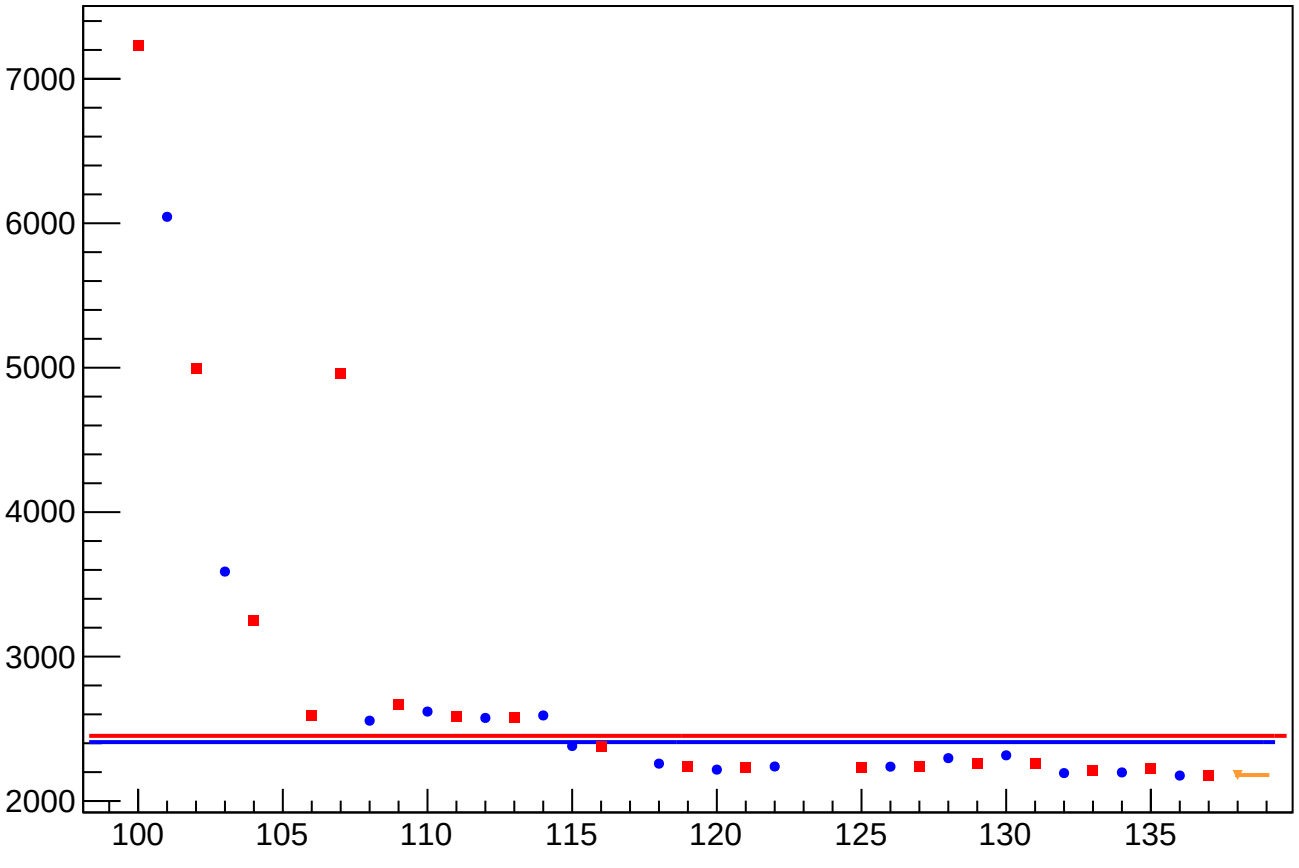
Left: 3278.080+/-2467.599 χ^2/NDF: 0.0/0

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -719.565+/-916.228 χ^2/NDF:15.8/15

Out: -333.276+/-869.183 χ^2/NDF:15.4/18

All: -516.249+/-630.581 χ^2/NDF: 31.3/34



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2179.906+/-1.745 χ^2/NDF:0.0/0

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2179.906+/-1.745 χ^2/NDF: 0.0/0

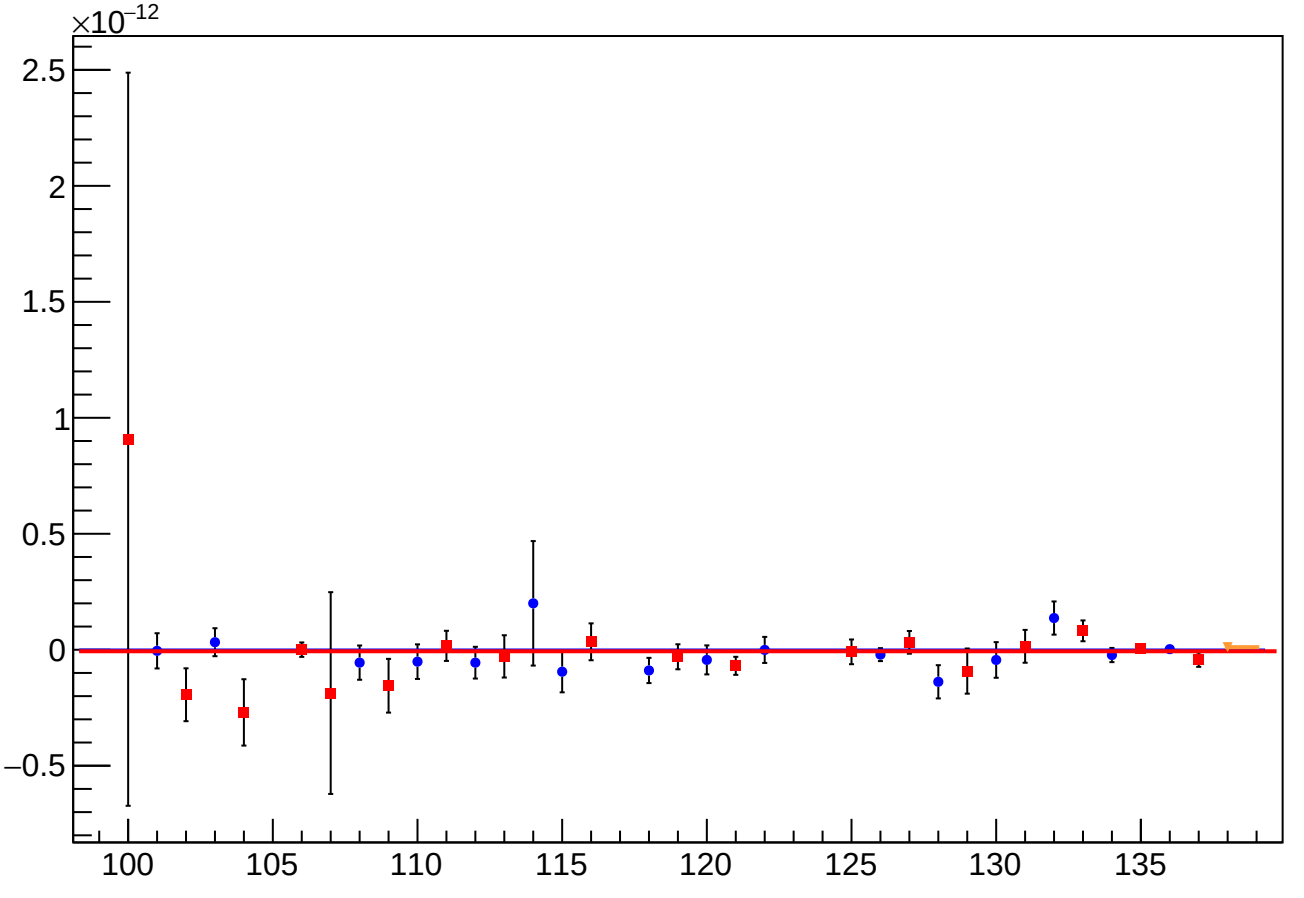
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2407.795+/-0.648 χ^2/NDF:676891.3/15

Out: 2417.530+/-0.615 χ^2/NDF:654773.6/18

All: 2412.919+/-0.446 χ^2/NDF: 1331783.7/34

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

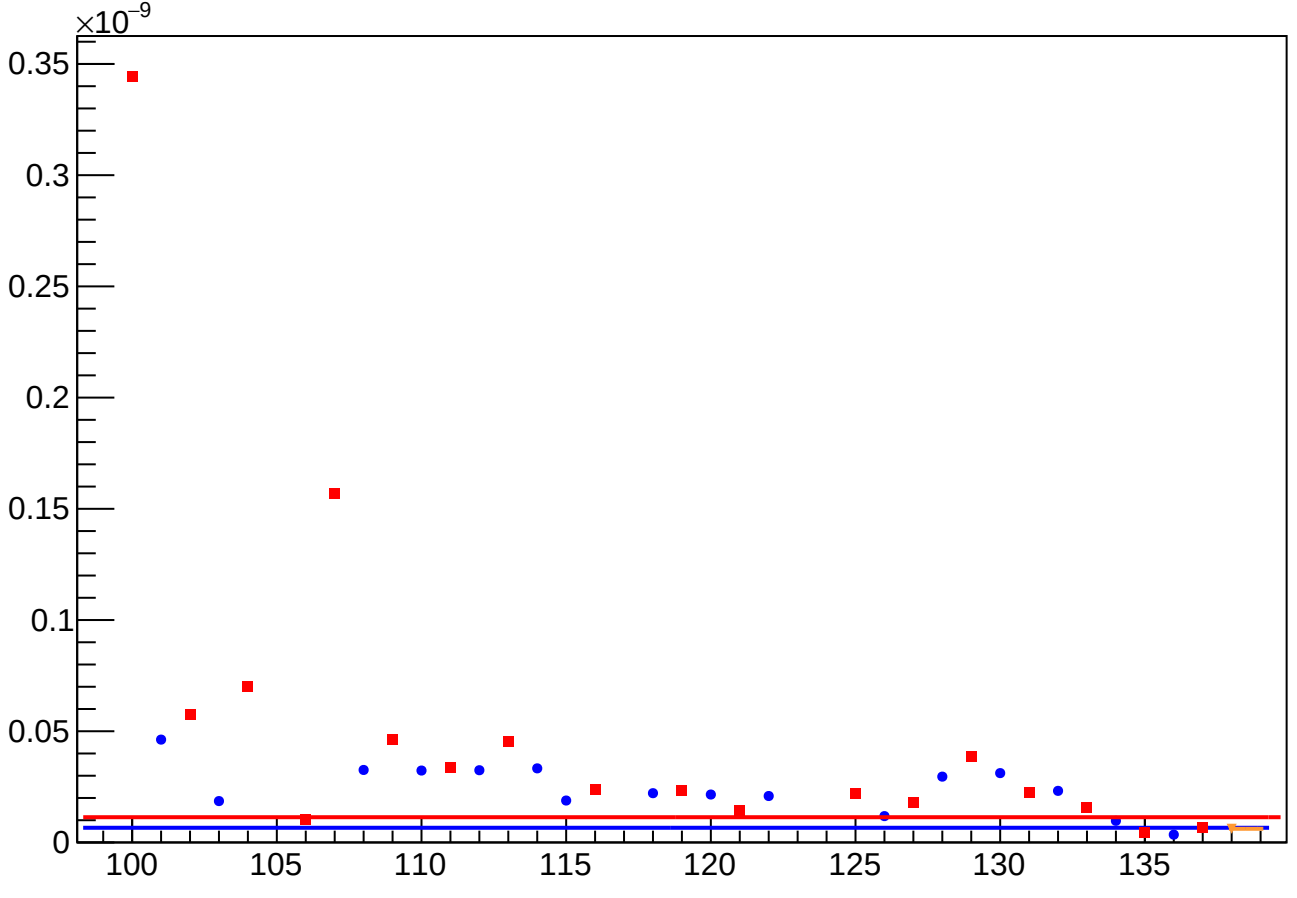
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:15.6/15

Out: 0.000+/-0.000 χ^2/NDF:20.5/18

All: -0.000+/-0.000 χ^2/NDF: 36.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

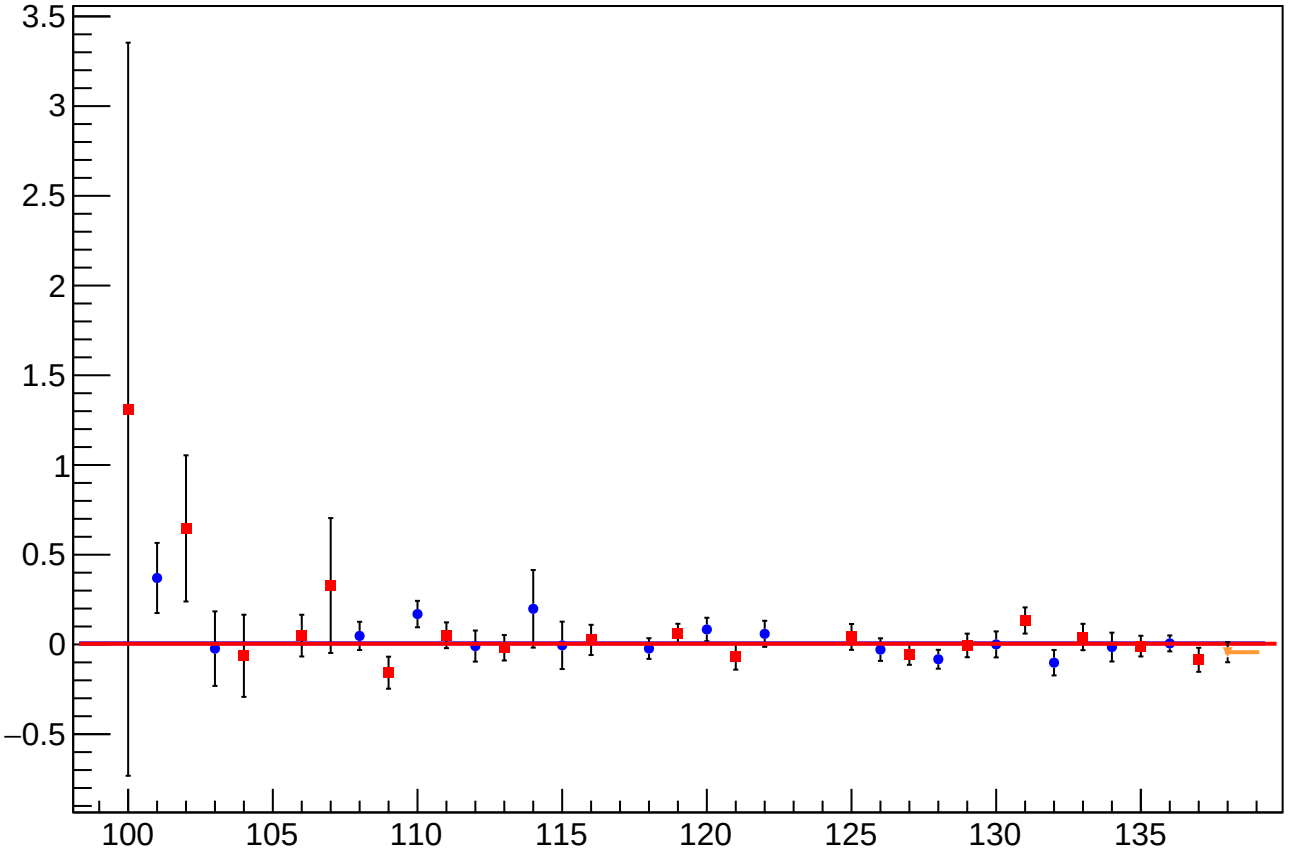
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:2856979.2/15

Out: 0.000+/-0.000 χ^2/NDF:2978231.4/18

All: 0.000+/-0.000 χ^2/NDF: 5943027.0/34

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: -0.043+/-0.056 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.043+/-0.056 χ^2/NDF: 0.0/0

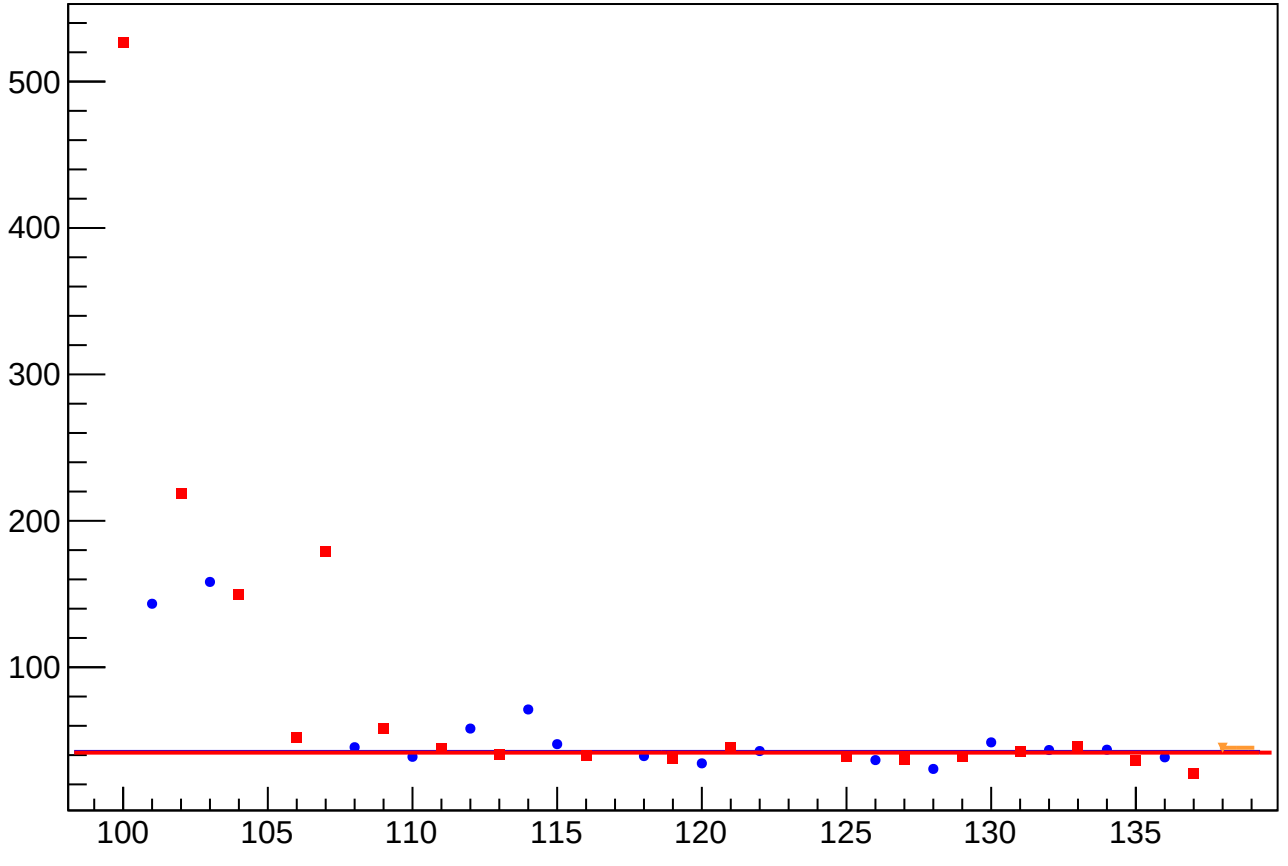
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.006+/-0.018 χ^2/NDF:17.2/15

Out: -0.001+/-0.018 χ^2/NDF:16.9/18

All: 0.002+/-0.013 χ^2/NDF: 34.2/34

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: 45.024+/-0.040 χ^2/NDF:0.0/0

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 45.024+/-0.040 χ^2/NDF: 0.0/0

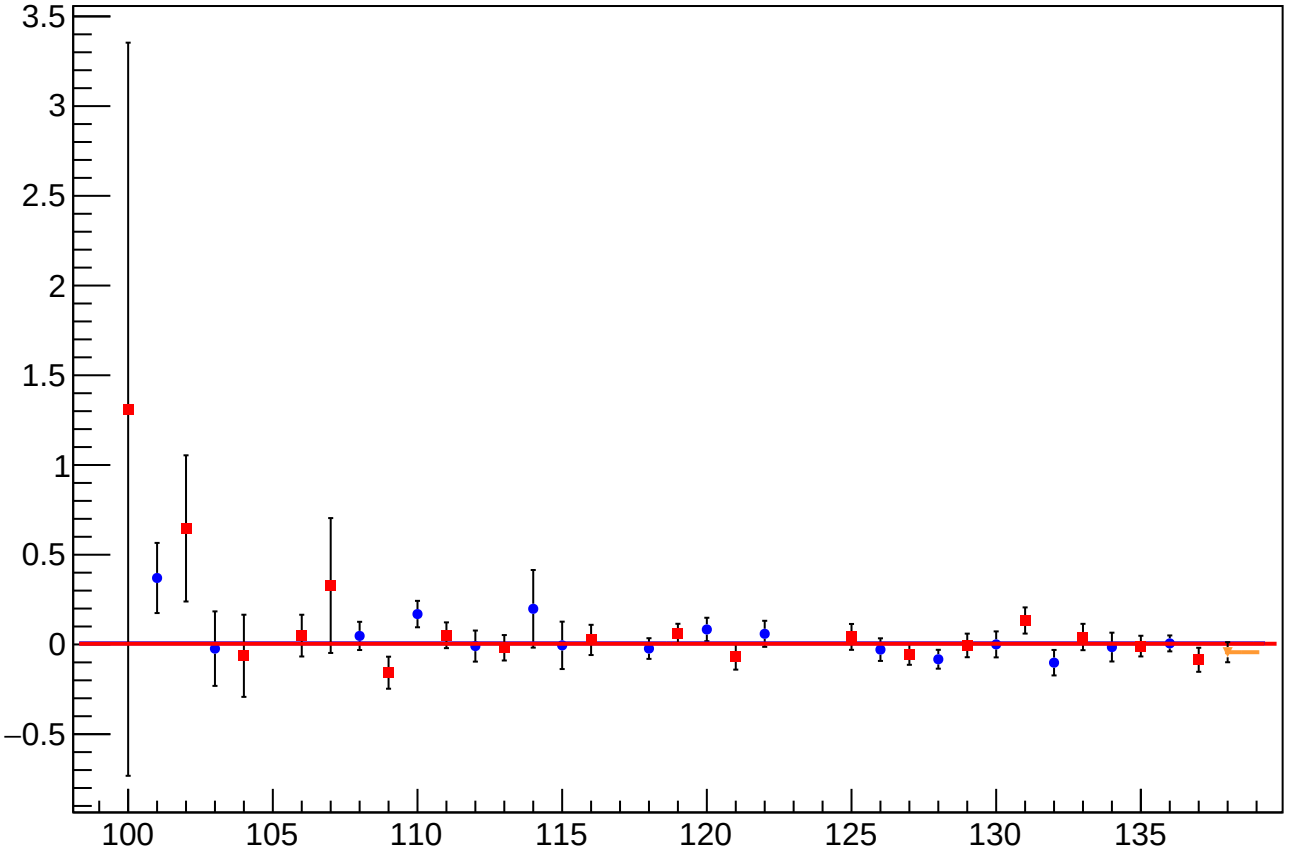
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 42.165+/-0.013 χ^2/NDF:1454378.8/15

Out: 42.023+/-0.012 χ^2/NDF:1447598.5/18

All: 42.092+/-0.009 χ^2/NDF: 2902039.9/34

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: -0.043+/-0.056 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.043+/-0.056 χ^2/NDF: 0.0/0

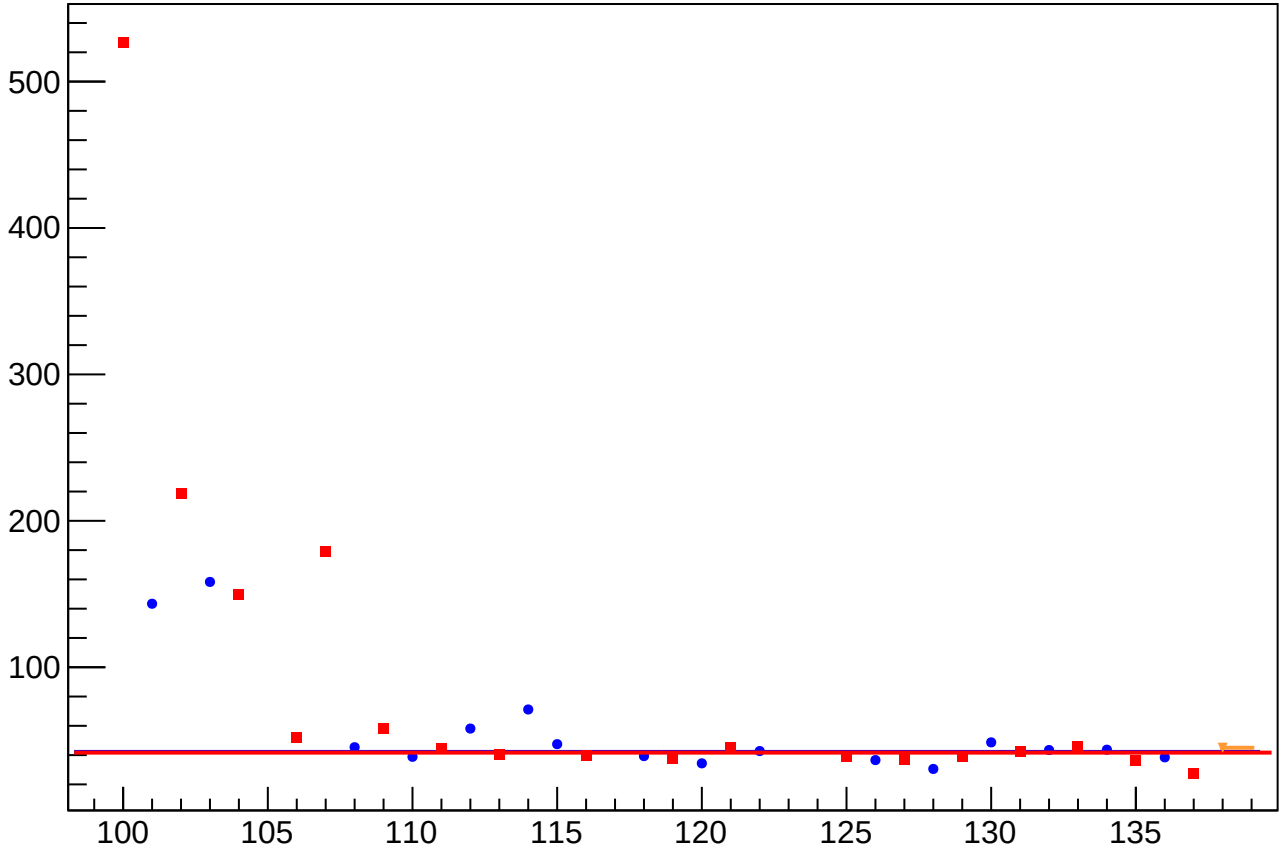
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.006+/-0.018 χ^2/NDF:17.2/15

Out: -0.001+/-0.018 χ^2/NDF:16.9/18

All: 0.002+/-0.013 χ^2/NDF: 34.2/34

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: 45.024+/-0.040 χ^2/NDF:0.0/0

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

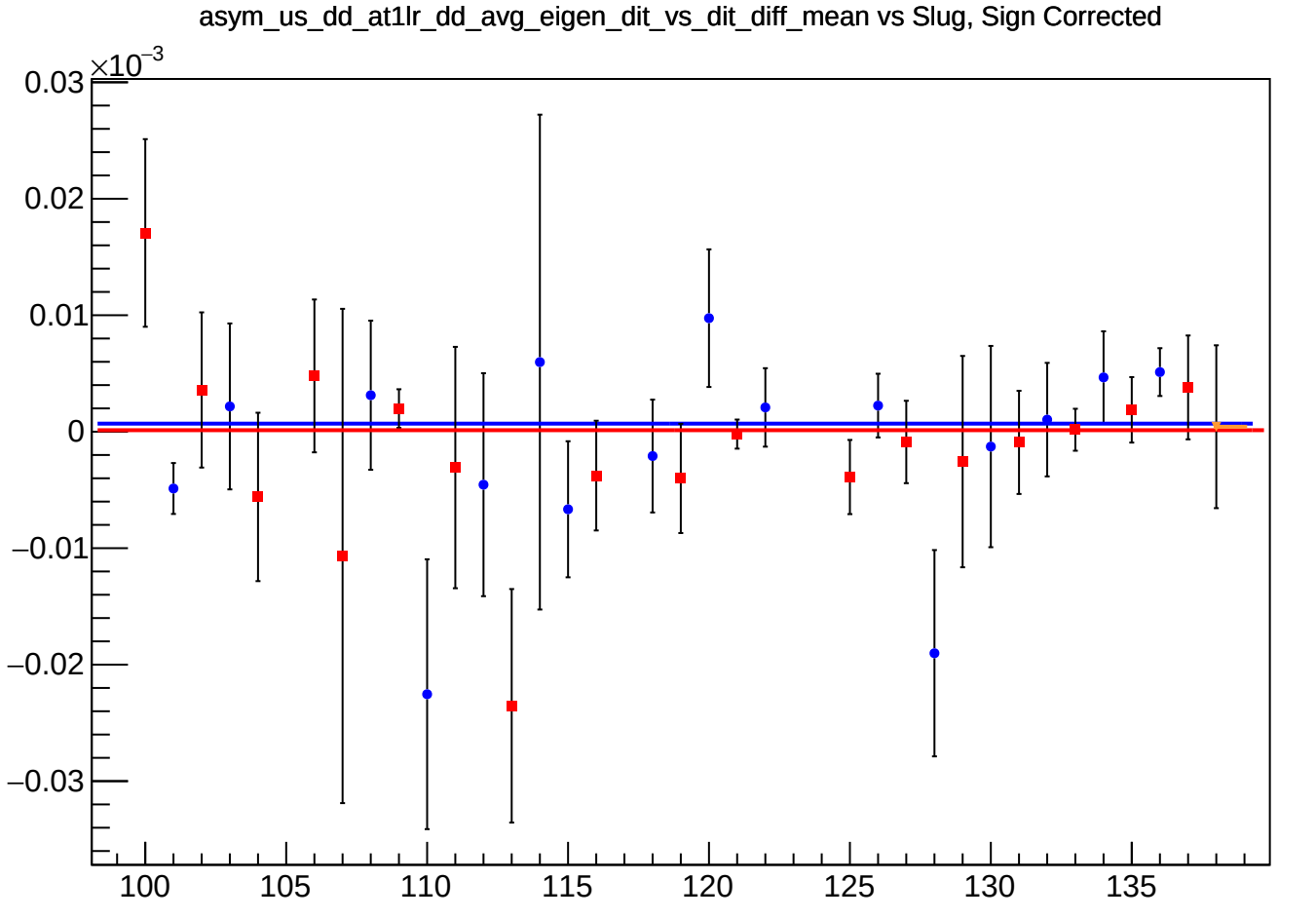
Left: 45.024+/-0.040 χ^2/NDF: 0.0/0

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 42.165+/-0.013 χ^2/NDF:1454378.8/15

Out: 42.023+/-0.012 χ^2/NDF:1447598.5/18

All: 42.092+/-0.009 χ^2/NDF: 2902039.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

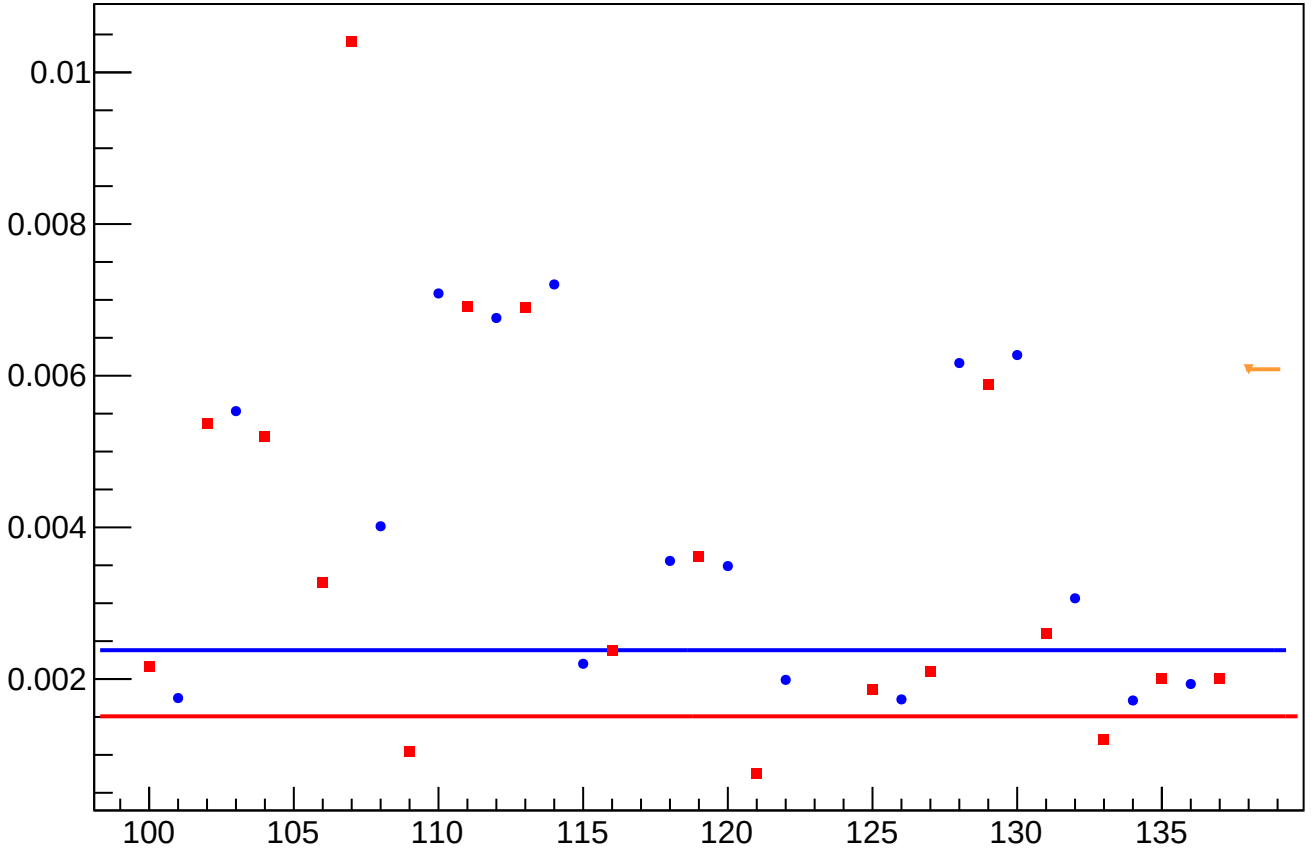
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:26.5/15

Out: 0.000+/-0.000 χ^2/NDF:17.4/18

All: 0.000+/-0.000 χ^2/NDF: 44.1/34

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: 0.006+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.006+/-0.000 χ^2/NDF: 0.0/0

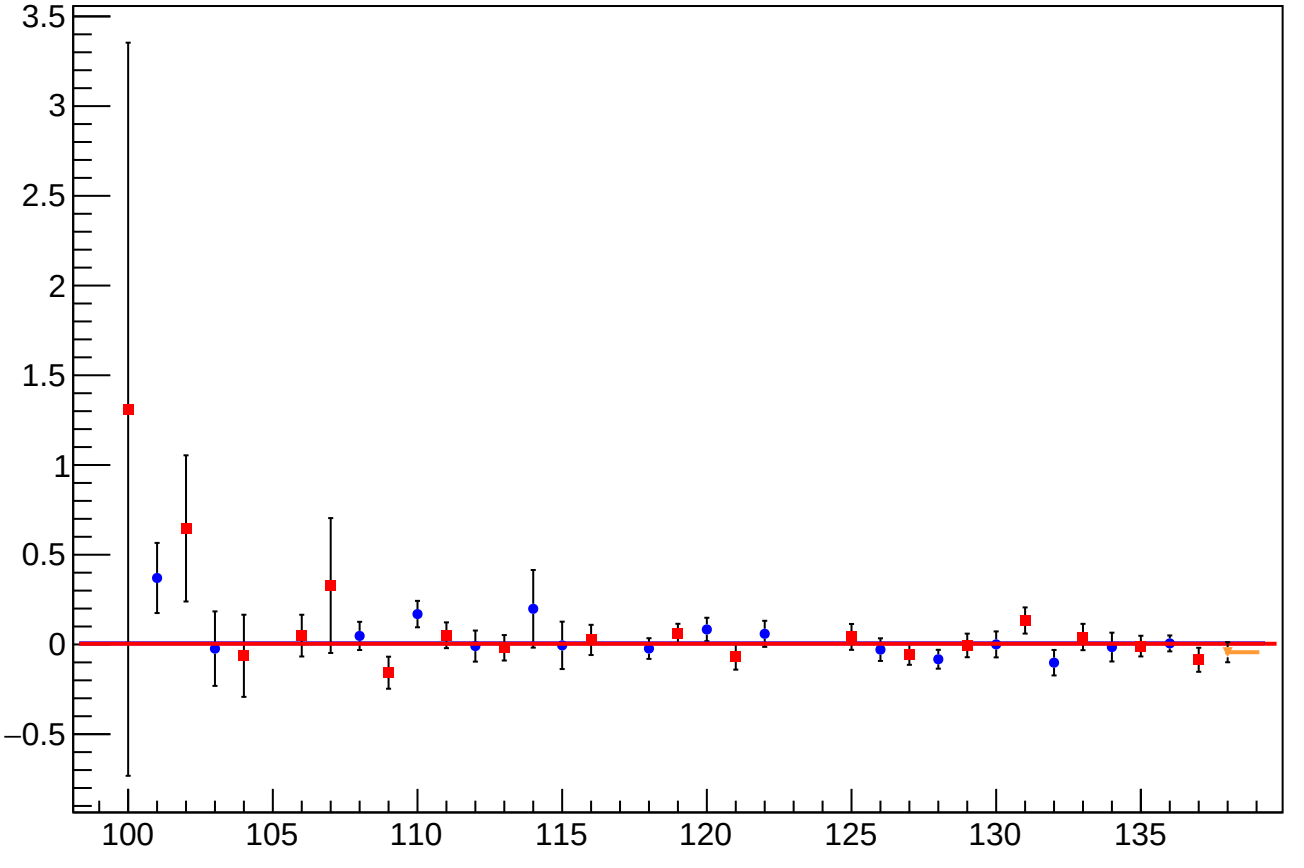
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:2832488.0/15

Out: 0.002+/-0.000 χ^2/NDF:5849722.5/18

All: 0.002+/-0.000 χ^2/NDF: 9558260.9/34

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: -0.043+/-0.056 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.043+/-0.056 χ^2/NDF: 0.0/0

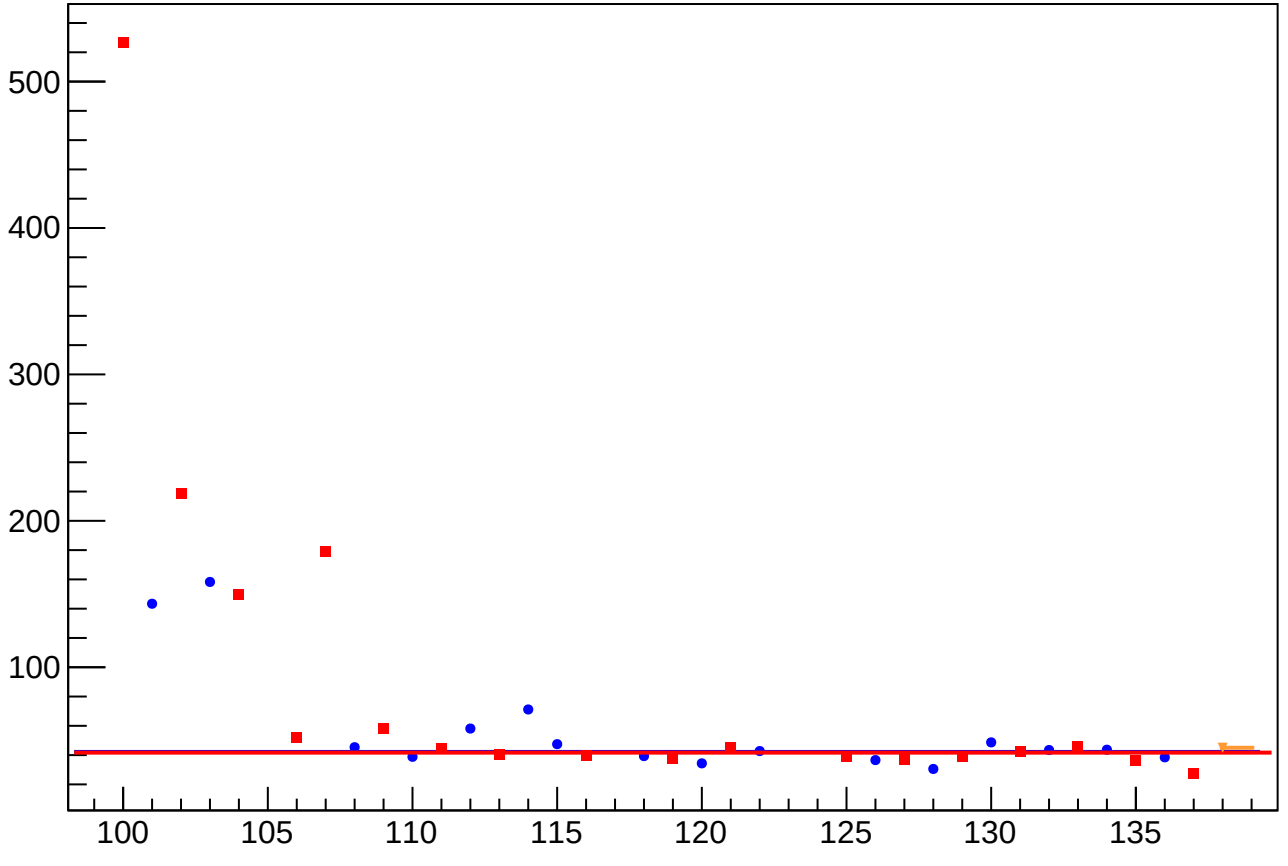
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.006+/-0.018 χ^2/NDF:17.2/15

Out: -0.001+/-0.018 χ^2/NDF:16.9/18

All: 0.002+/-0.013 χ^2/NDF: 34.2/34

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: 45.023+/-0.040 χ^2/NDF:0.0/0

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 45.023+/-0.040 χ^2/NDF: 0.0/0

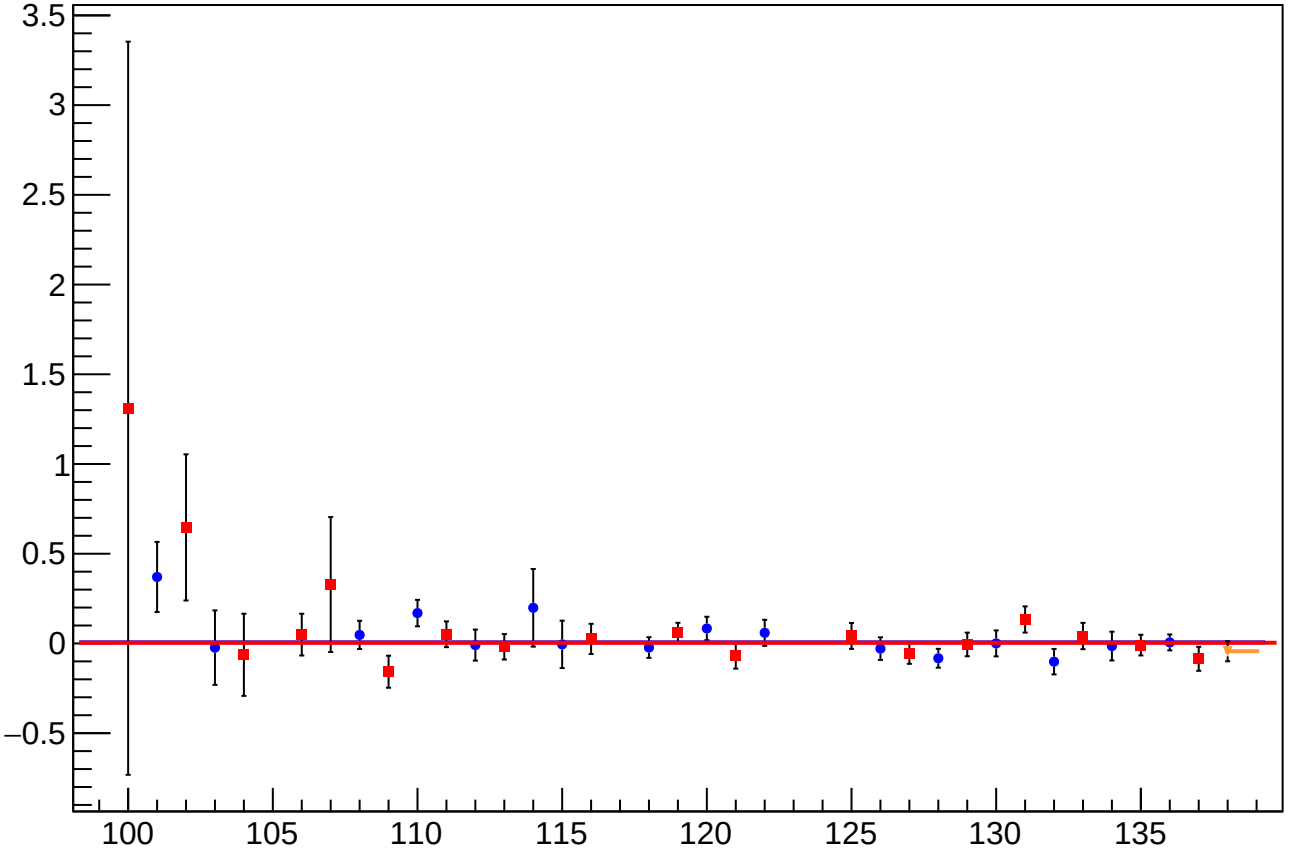
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 42.163+/-0.013 χ^2/NDF:1454592.8/15

Out: 42.024+/-0.012 χ^2/NDF:1447573.6/18

All: 42.091+/-0.009 χ^2/NDF: 2902226.6/34

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: -0.043+/-0.056 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.043+/-0.056 χ^2/NDF: 0.0/0

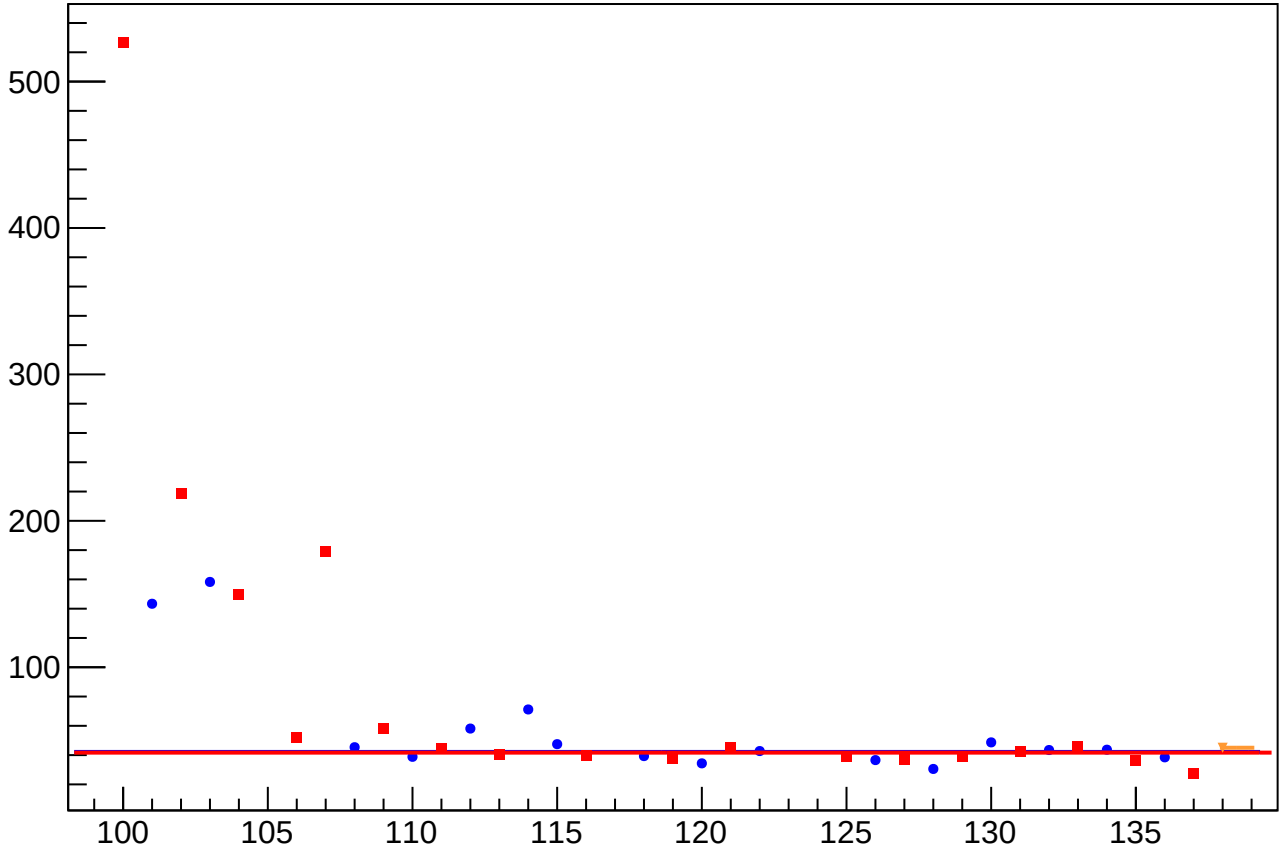
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.006+/-0.018 χ^2/NDF:17.2/15

Out: -0.001+/-0.018 χ^2/NDF:16.9/18

All: 0.002+/-0.013 χ^2/NDF: 34.2/34

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: 45.023+/-0.040 χ^2/NDF:0.0/0

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 45.023+/-0.040 χ^2/NDF: 0.0/0

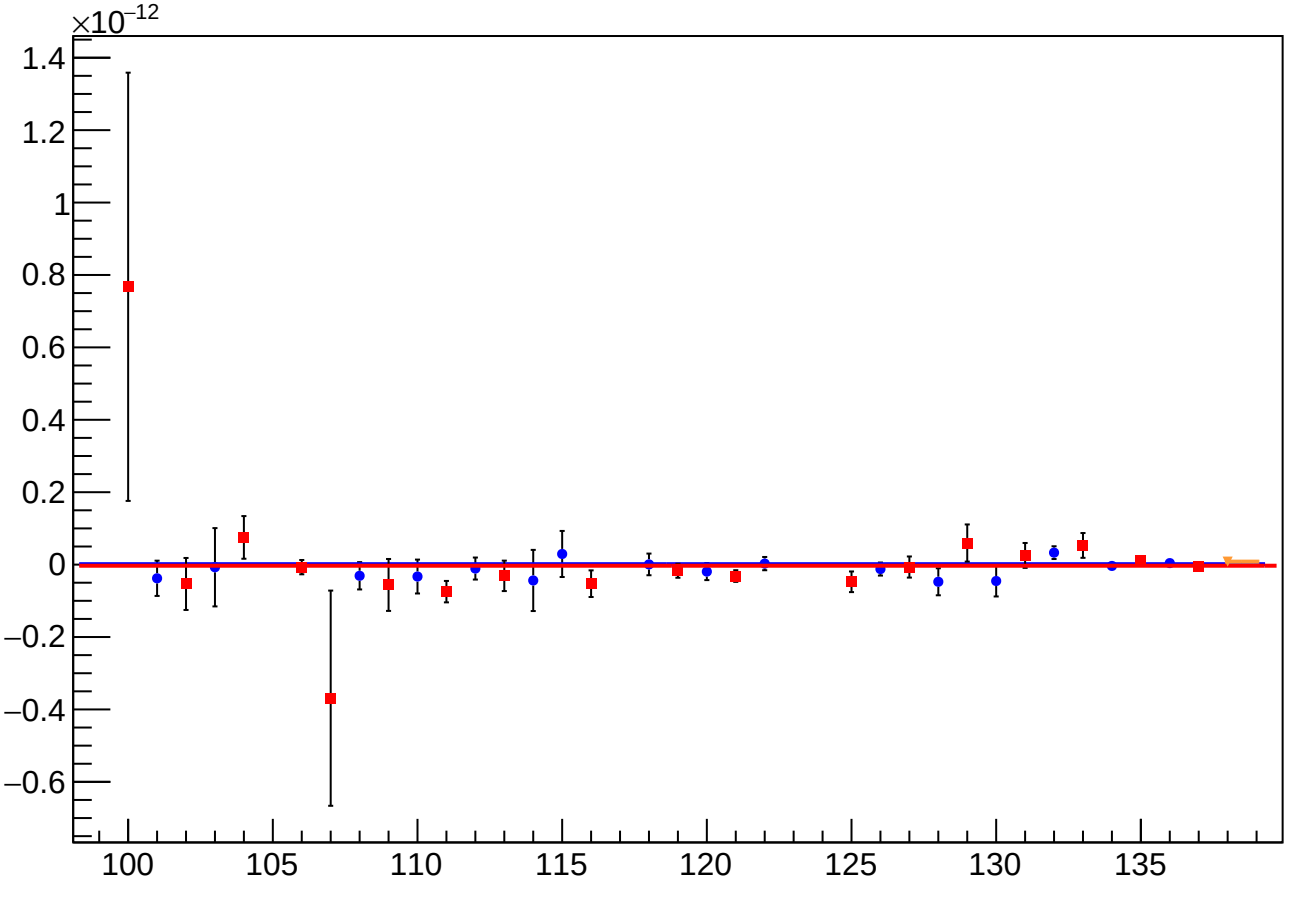
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 42.163+/-0.013 χ^2/NDF:1454592.8/15

Out: 42.024+/-0.012 χ^2/NDF:1447573.6/18

All: 42.091+/-0.009 χ^2/NDF: 2902226.6/34

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:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

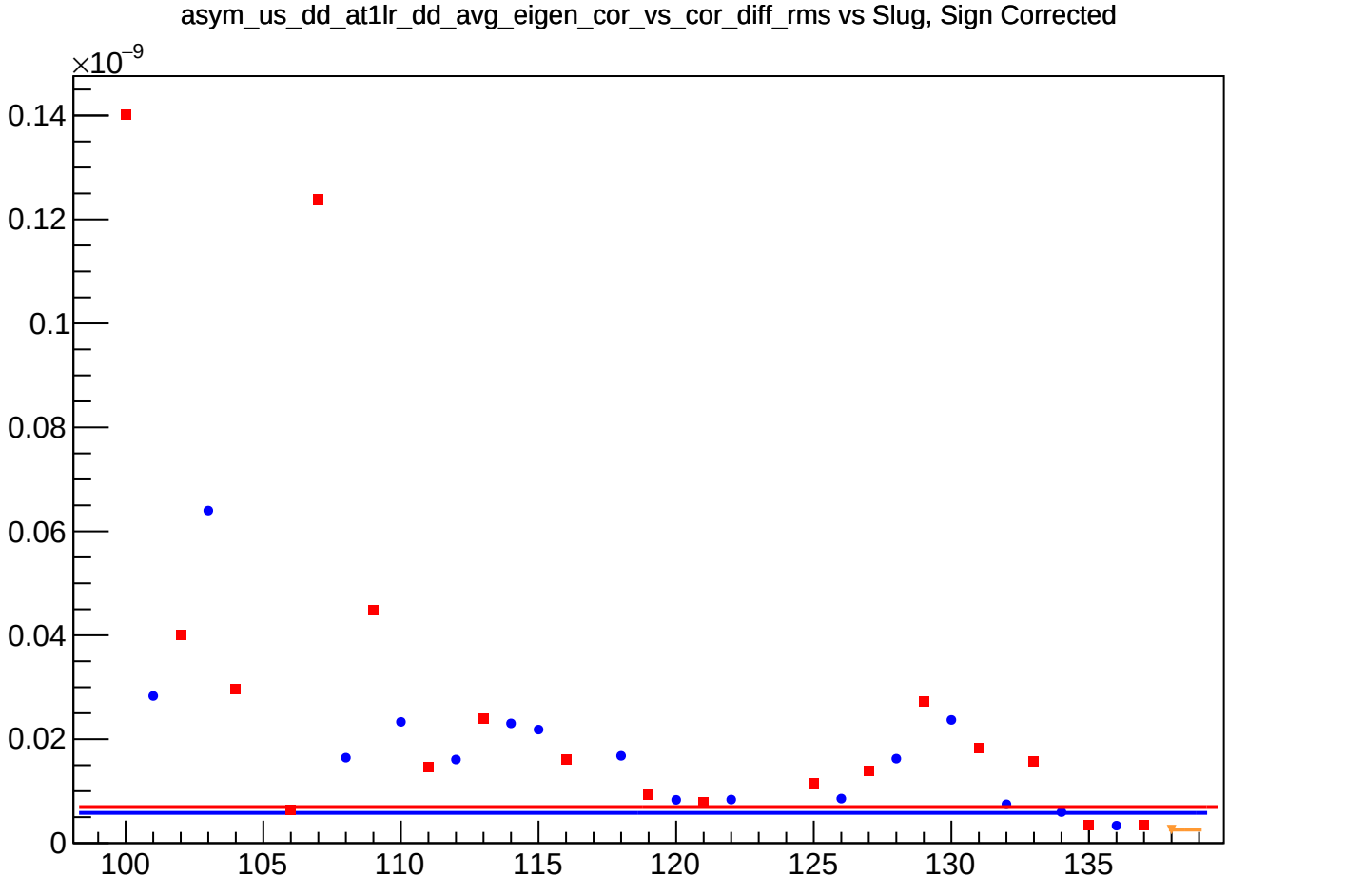
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

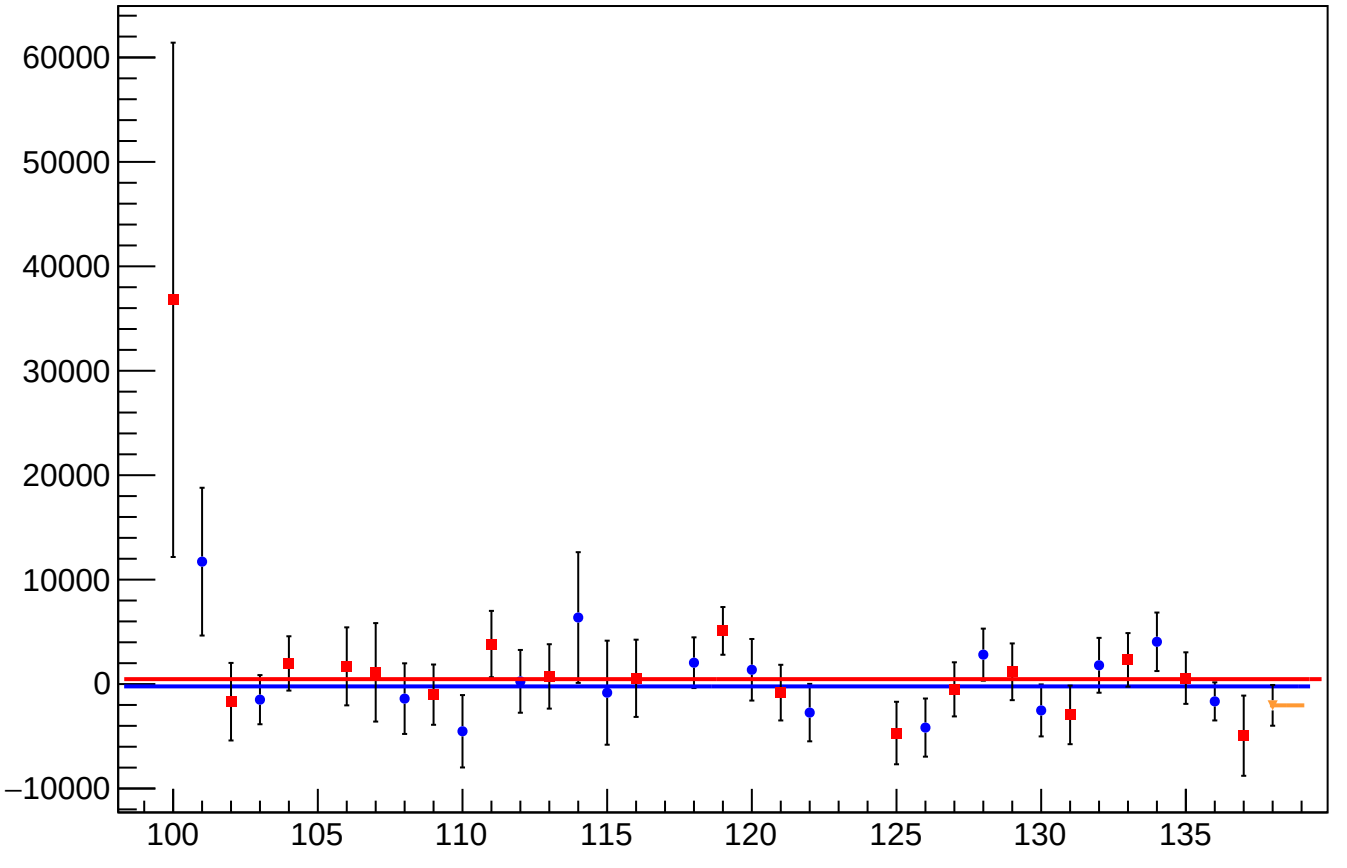
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: 0.000+/-0.000 χ^2/NDF:10.5/15

Out: 0.000+/-0.000 χ^2/NDF:31.7/18

All: 0.000+/-0.000 χ^2/NDF: 42.3/34


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:3296021.2/15
Out: 0.000+/-0.000 χ²/NDF:4637948.1/18
All: 0.000+/-0.000 χ²/NDF: 8020567.6/34



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: -2037.846+/-1950.570 χ^2/NDF:0.0/0

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

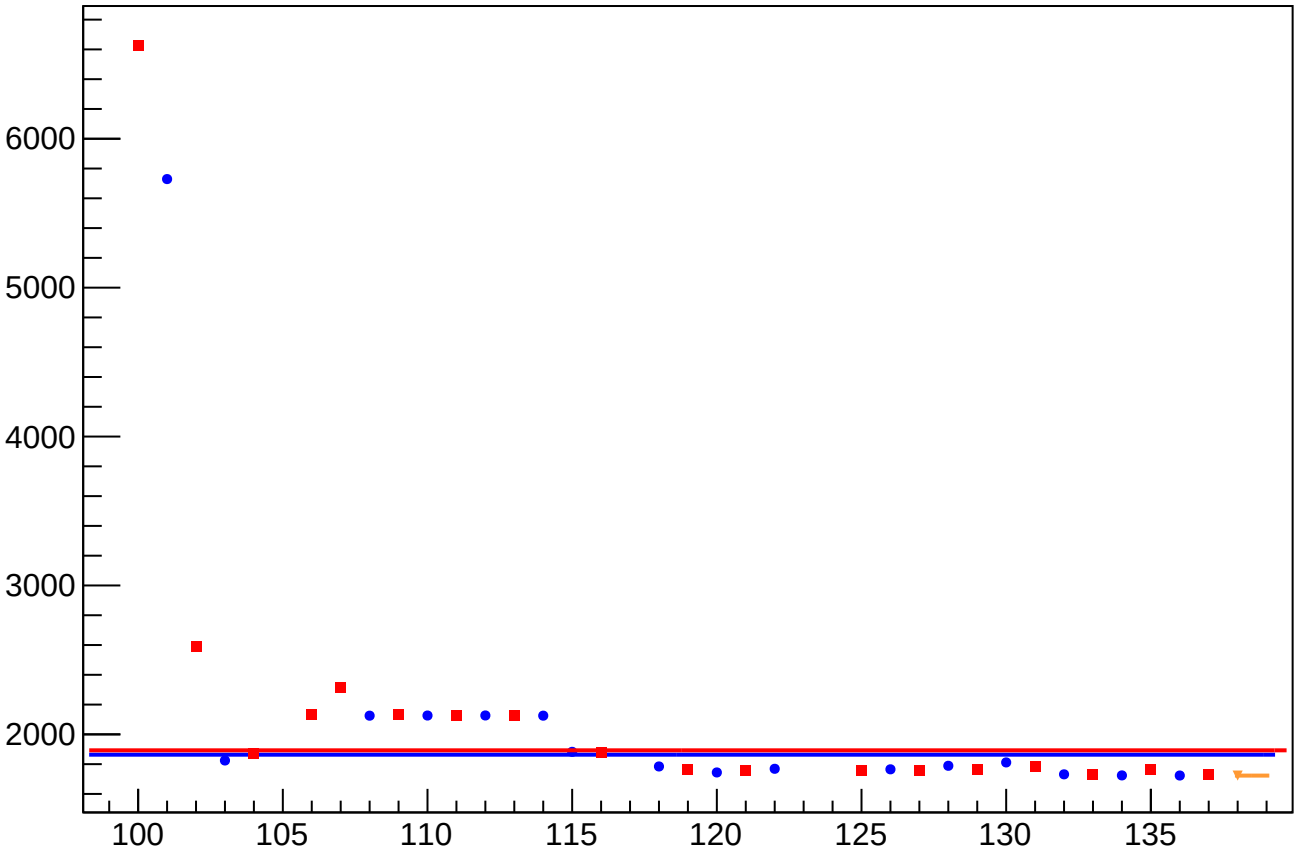
Left: -2037.846+/-1950.570 χ^2/NDF: 0.0/0

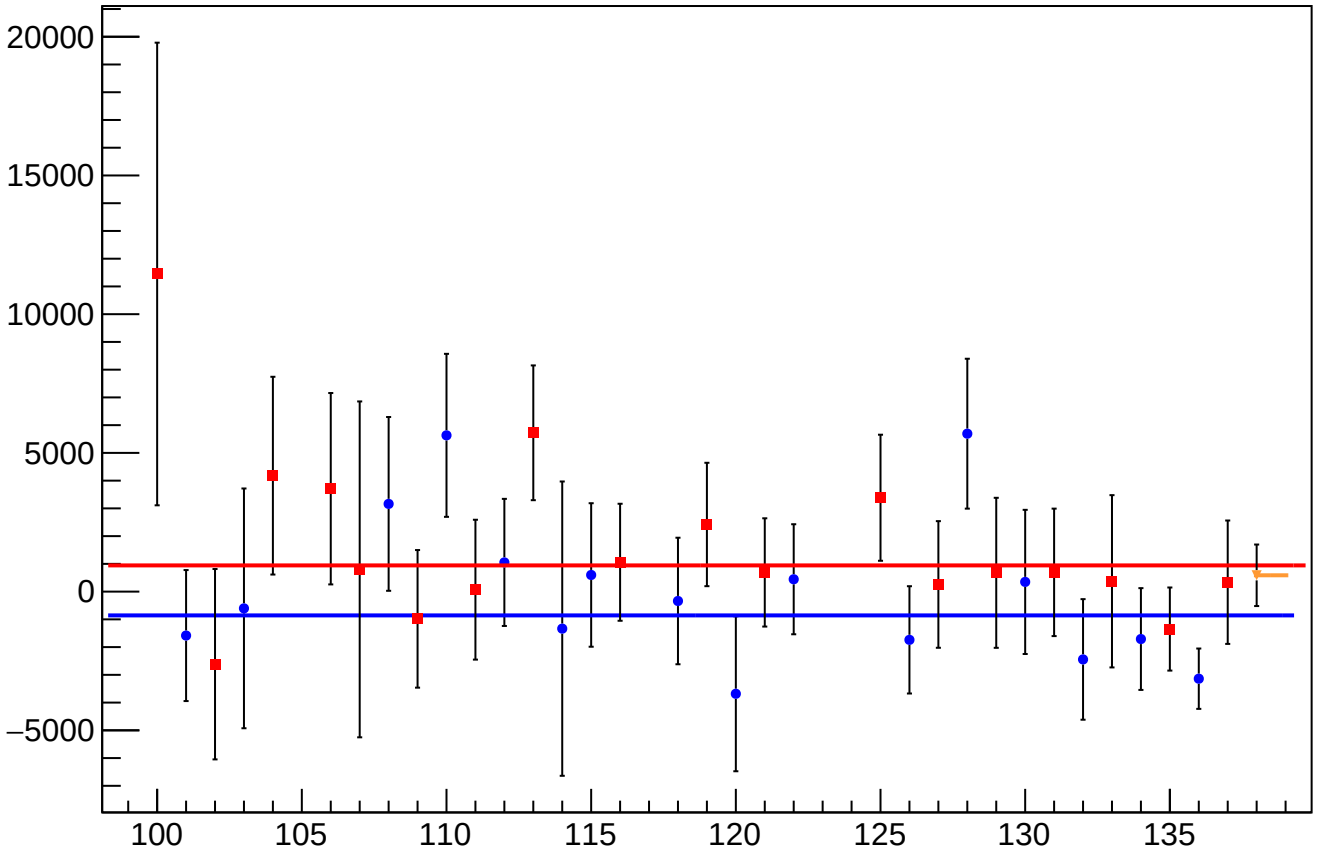
Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: -222.980+/-709.150 χ^2/NDF:15.8/15

Out: 177.650+/-668.400 χ^2/NDF:17.3/18

All: -10.824+/-486.399 χ^2/NDF: 33.3/34


reg_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
Right In: 1863.581+/-0.501 χ²/NDF: 674665.6/15
Left Out: 1723.152+/-1.379 χ²/NDF:0.0/0
Right Out: 1892.866+/-0.503 χ²/NDF: 251512.9/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1723.152+/-1.379 χ²/NDF: 0.0/0
Right: 1878.175+/-0.355 χ²/NDF: 927878.2/33
In: 1863.581+/-0.501 χ²/NDF:674665.6/15
Out: 1872.938+/-0.473 χ²/NDF:264875.5/18
All: 1868.536+/-0.344 χ²/NDF: 939725.5/34



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: 588.315+/-1108.765 χ^2/NDF:0.0/0

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

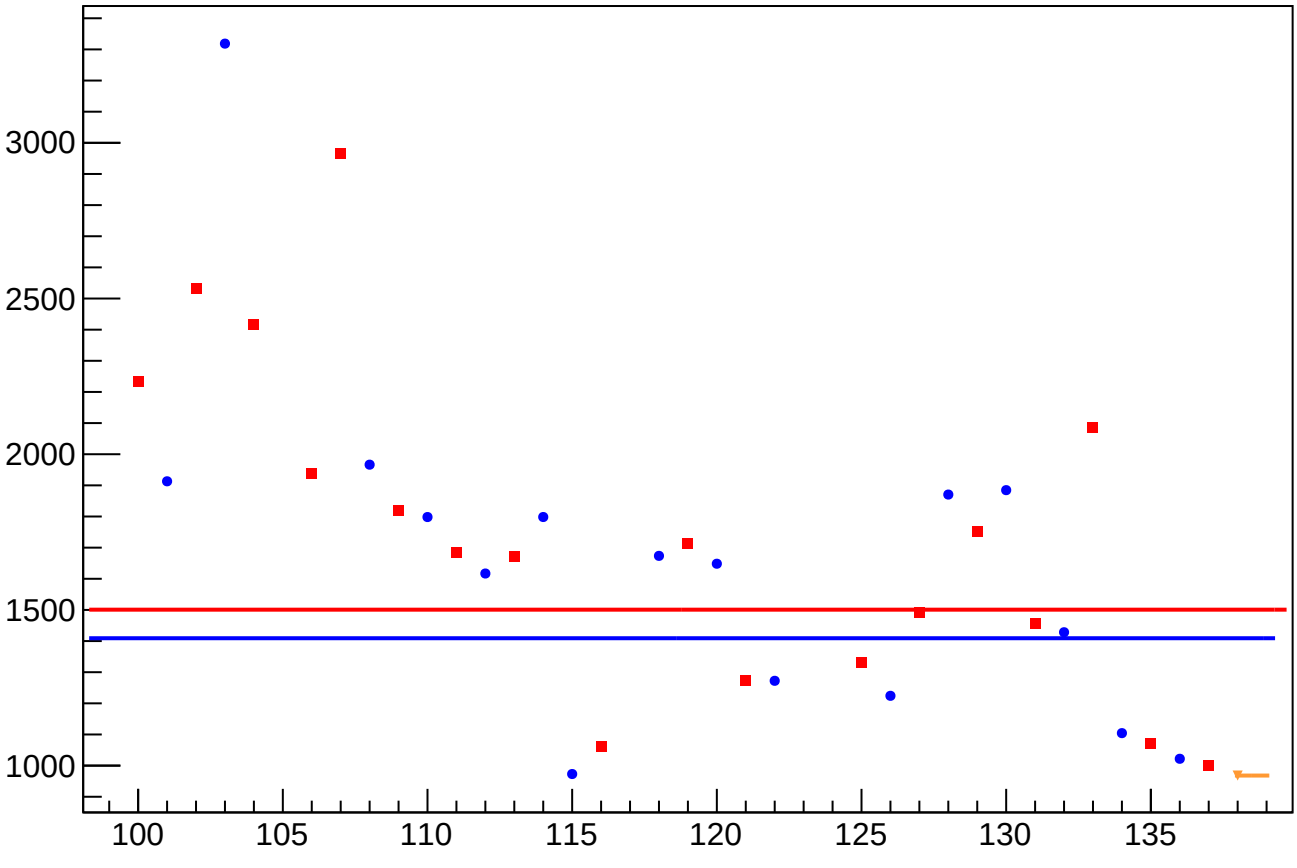
Left: 588.315+/-1108.765 χ^2/NDF: 0.0/0

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -857.294+/-549.791 χ^2/NDF:20.6/15

Out: 867.322+/-516.685 χ^2/NDF:13.0/18

All: 58.499+/-376.512 χ^2/NDF: 38.8/34



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 968.093+/-0.784 χ^2/NDF:0.0/0

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

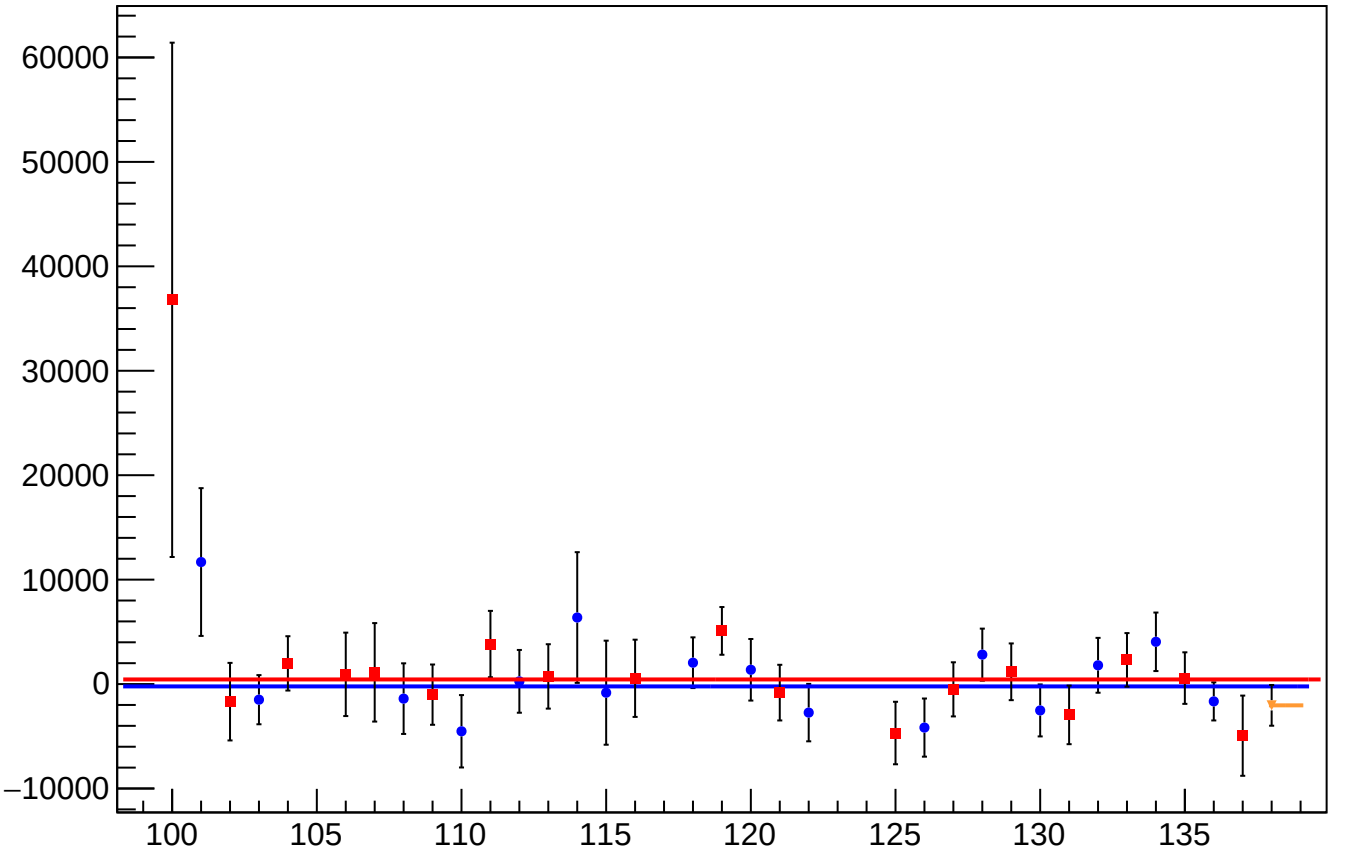
Left: 968.093+/-0.784 χ^2/NDF: 0.0/0

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1409.096+/-0.389 χ^2/NDF:1167706.6/15

Out: 1385.120+/-0.365 χ^2/NDF:1392181.8/18

All: 1396.364+/-0.266 χ^2/NDF: 2561908.2/34



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: -2037.801+/-1950.570 χ^2/NDF:0.0/0

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

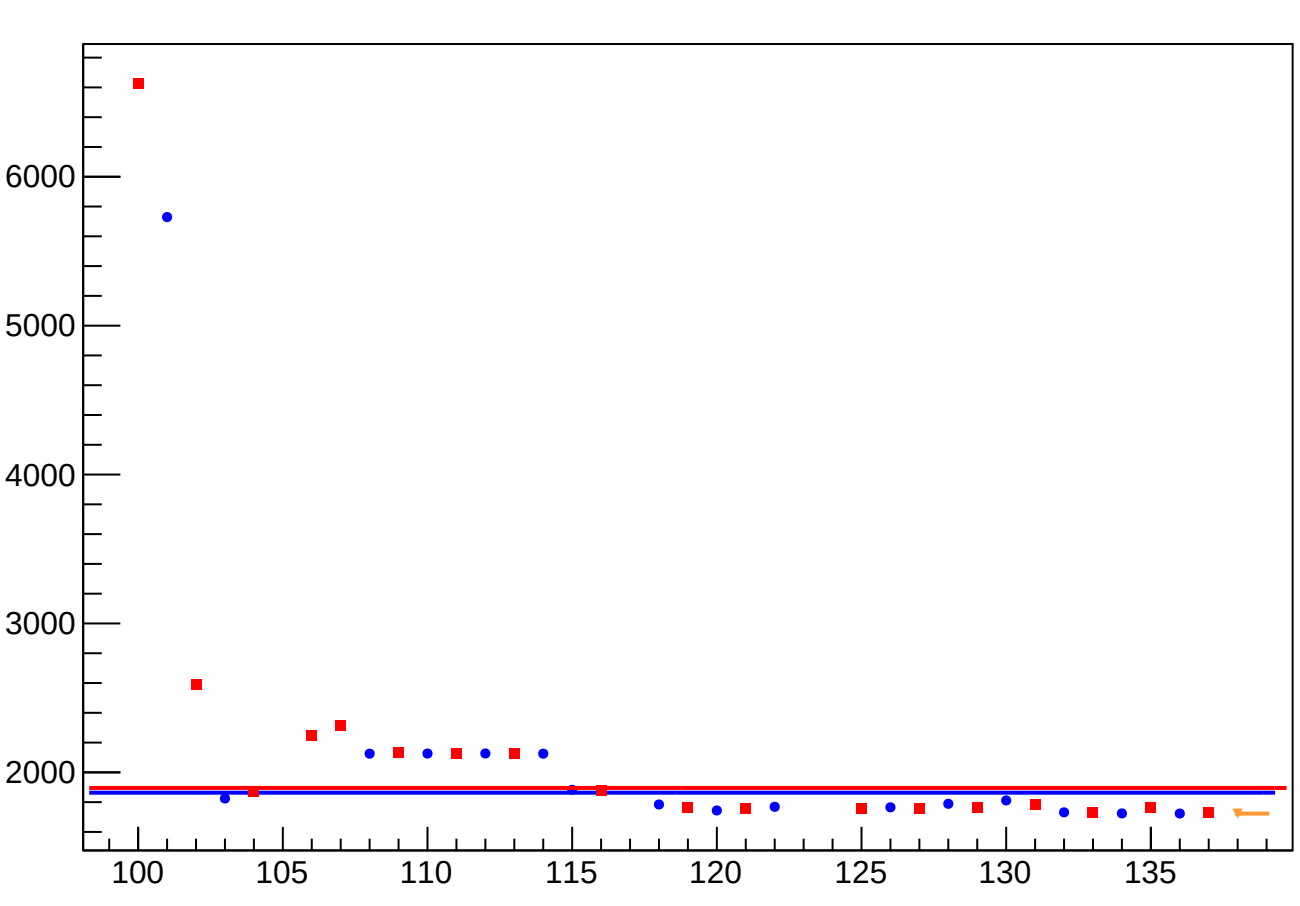
Left: -2037.801+/-1950.570 χ^2/NDF: 0.0/0

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

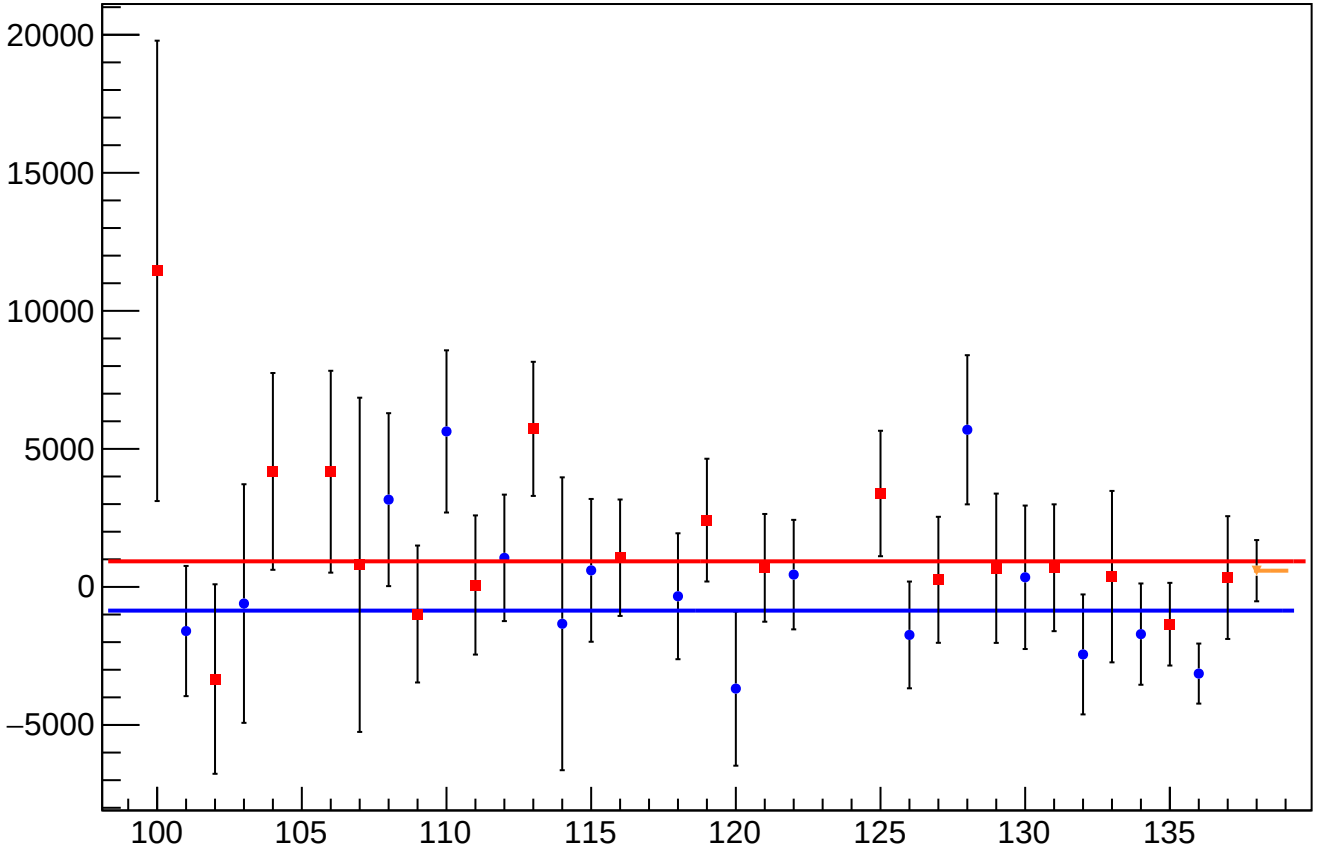
In: -223.754+/-709.151 χ^2/NDF:15.8/15

Out: 150.545+/-669.745 χ^2/NDF:17.2/18

All: -25.917+/-486.916 χ^2/NDF: 33.2/34


cor_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
Right In: 1863.581+/-0.501 χ²/NDF: 674665.4/15
Left Out: 1723.152+/-0.379 χ²/NDF:0.0/0
Right Out: 1895.491+/-0.504 χ²/NDF: 259171.7/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1723.152+/-1.379 χ²/NDF: 0.0/0
Right: 1879.447+/-0.356 χ²/NDF: 935850.8/33
In: 1863.581+/-0.501 χ²/NDF:674665.4/15
Out: 1875.174+/-0.474 χ²/NDF:272943.6/18
All: 1869.708+/-0.344 χ²/NDF: 947891.6/34

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: 588.248+/-1108.754 χ^2/NDF:0.0/0

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

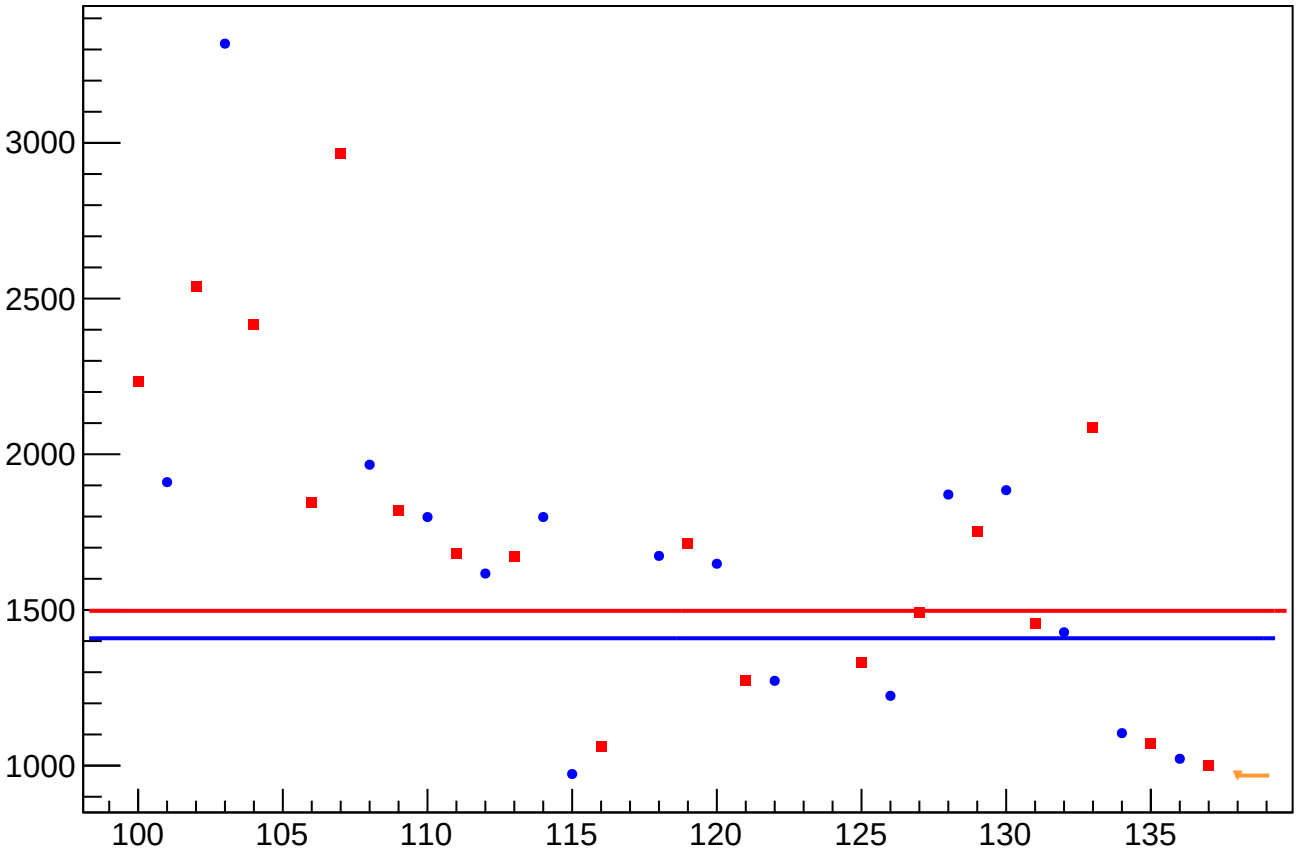
Left: 588.248+/-1108.754 χ^2/NDF: 0.0/0

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -858.115+/-549.748 χ^2/NDF:20.6/15

Out: 853.405+/-517.320 χ^2/NDF:13.6/18

All: 49.610+/-376.743 χ^2/NDF: 39.4/34



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 968.082+/-0.784 χ^2/NDF:0.0/0

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

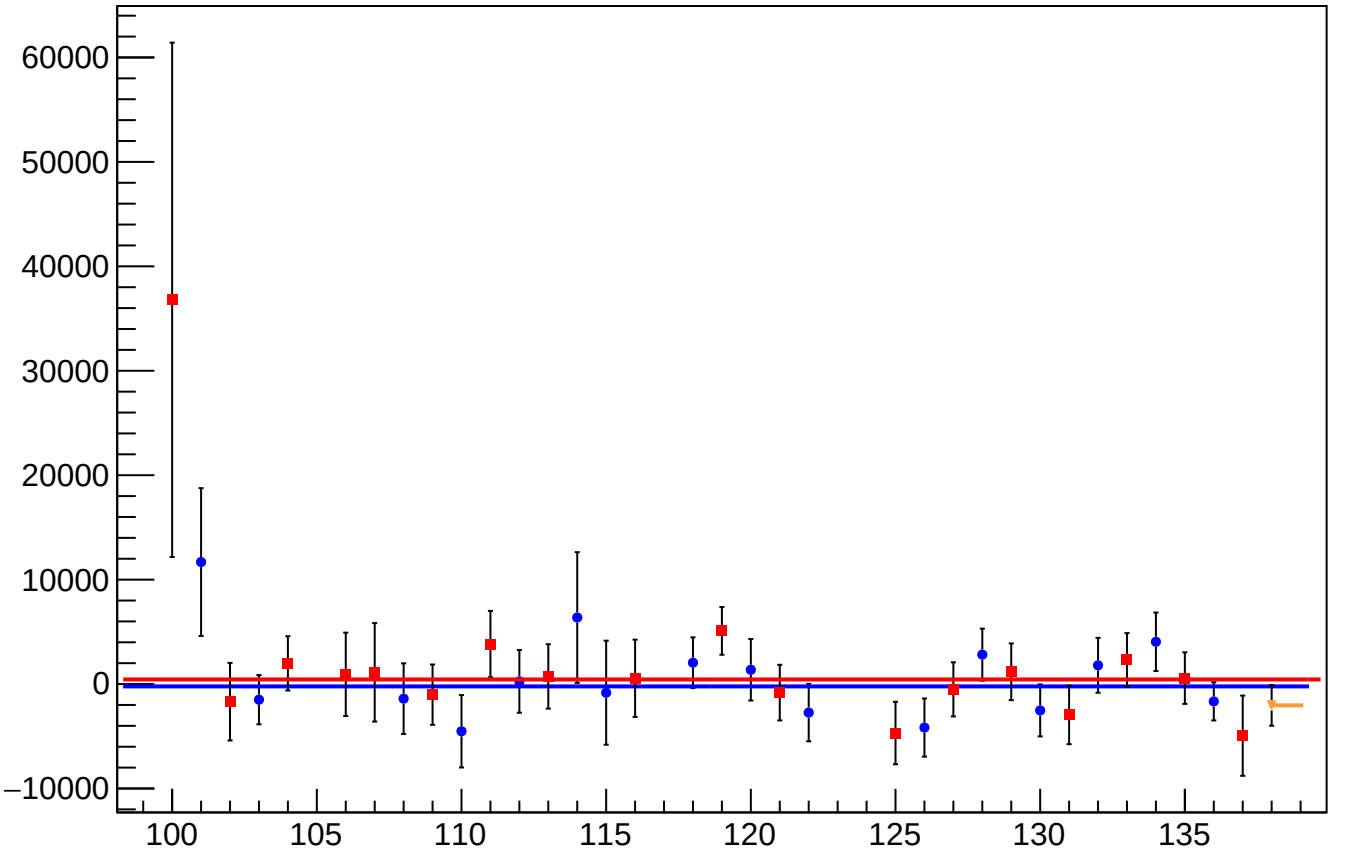
Left: 968.082+/-0.784 χ^2/NDF: 0.0/0

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1409.018+/-0.389 χ^2/NDF:1167065.5/15

Out: 1381.973+/-0.366 χ^2/NDF:1374375.3/18

All: 1394.675+/-0.266 χ^2/NDF: 2544007.9/34



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: -2037.801+/-1950.570 χ^2/NDF:0.0/0

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

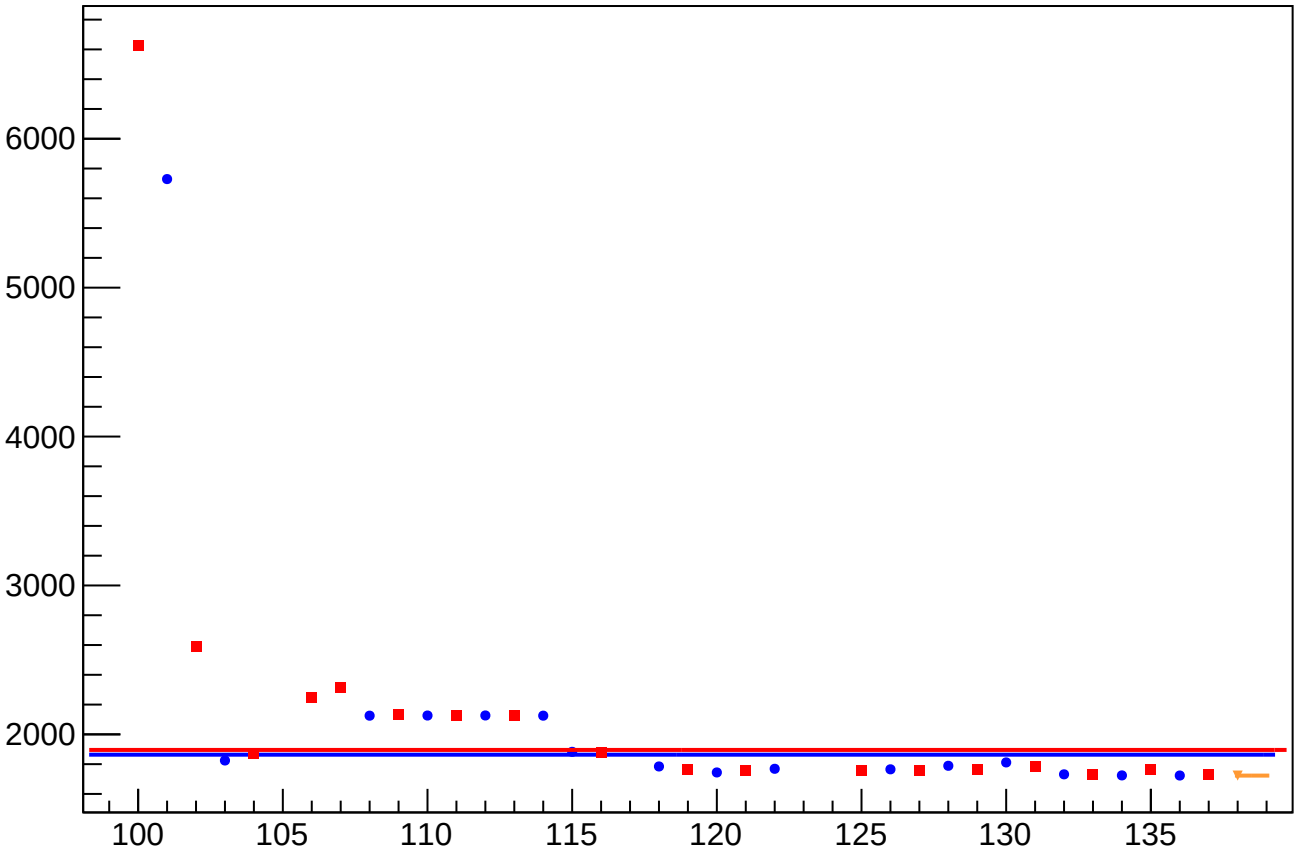
Left: -2037.801+/-1950.570 χ^2/NDF: 0.0/0

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -223.754+/-709.151 χ^2/NDF:15.8/15

Out: 150.545+/-669.745 χ^2/NDF:17.2/18

All: -25.917+/-486.916 χ^2/NDF: 33.2/34



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1723.152+/-1.379 χ^2/NDF:0.0/0

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1723.152+/-1.379 χ^2/NDF: 0.0/0

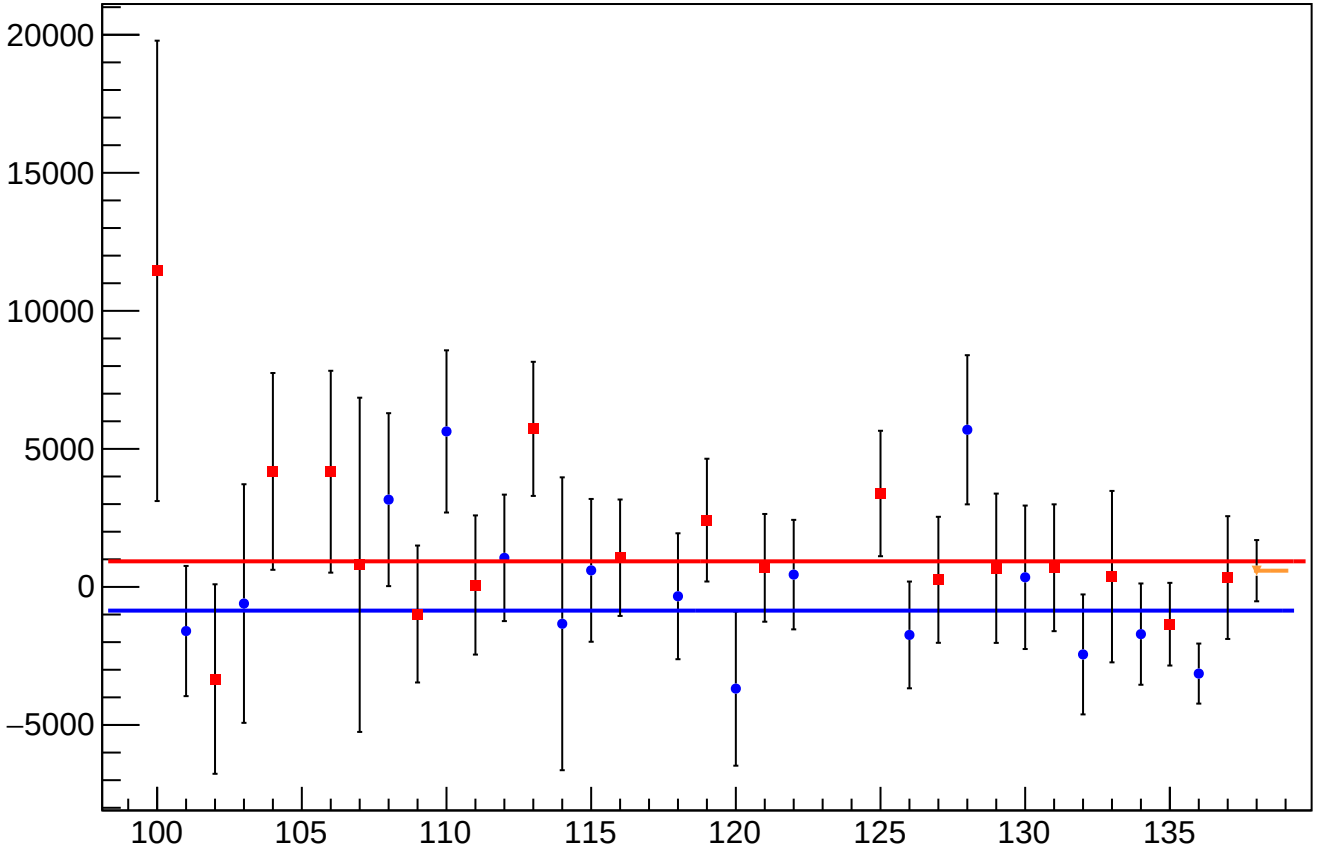
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1863.581+/-0.501 χ^2/NDF:674665.4/15

Out: 1875.174+/-0.474 χ^2/NDF:272943.6/18

All: 1869.708+/-0.344 χ^2/NDF: 947891.6/34

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: 588.248+/-1108.754 χ^2/NDF:0.0/0

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

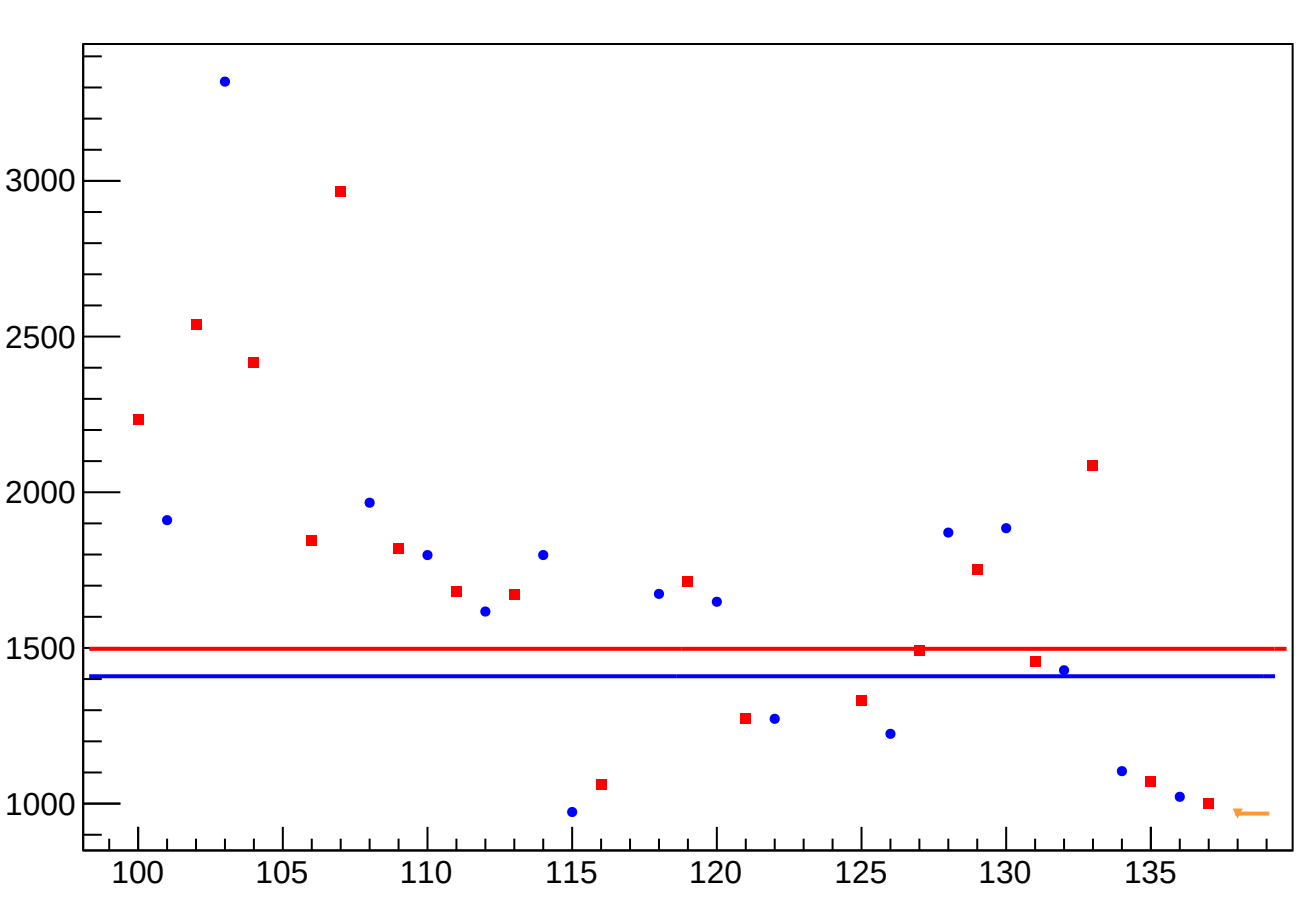
Left: 588.248+/-1108.754 χ^2/NDF: 0.0/0

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -858.115+/-549.748 χ^2/NDF:20.6/15

Out: 853.405+/-517.320 χ^2/NDF:13.6/18

All: 49.610+/-376.743 χ^2/NDF: 39.4/34



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 968.082+/-0.784 χ^2/NDF:0.0/0

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

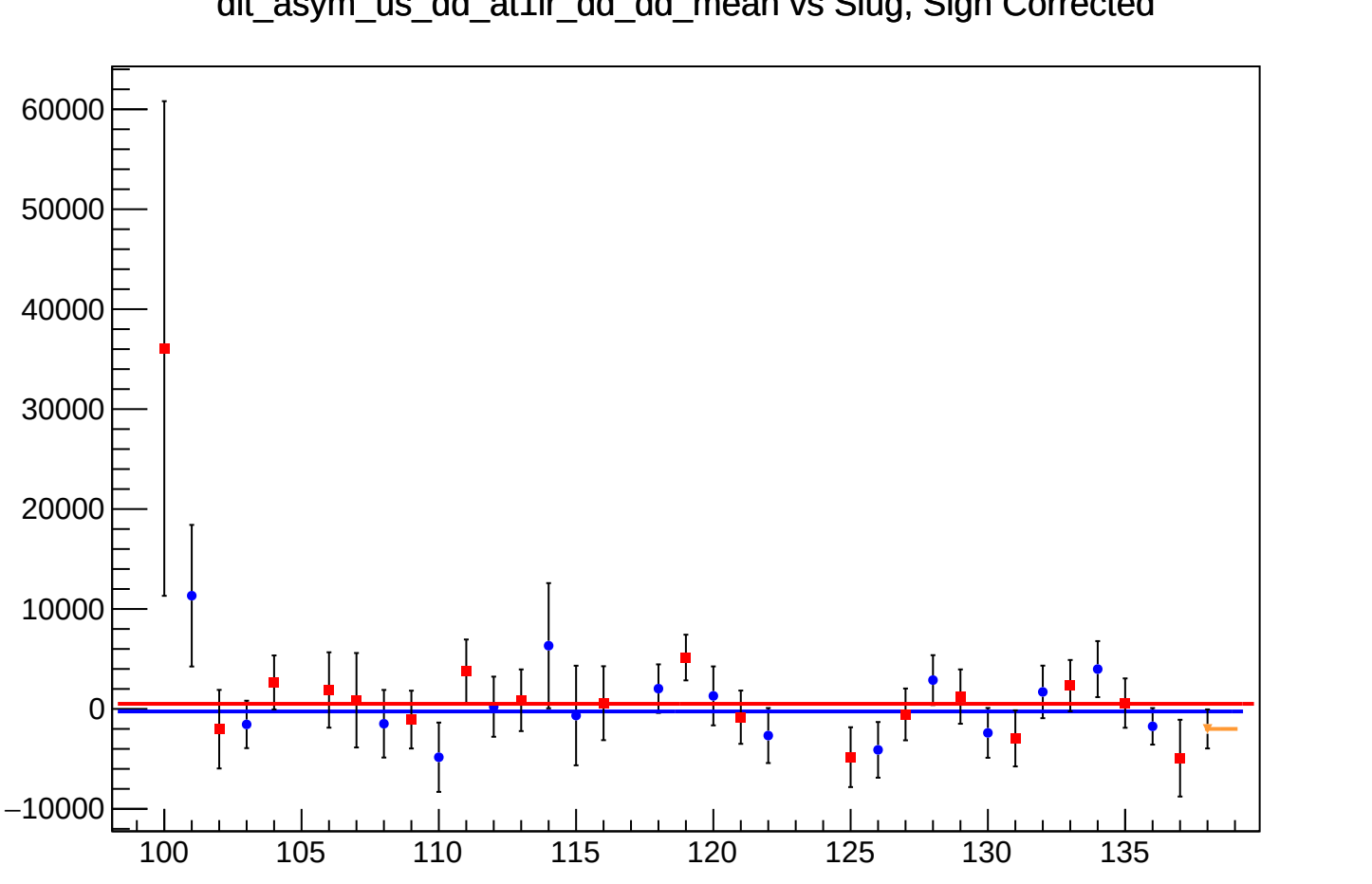
Left: 968.082+/-0.784 χ^2/NDF: 0.0/0

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1409.018+/-0.389 χ^2/NDF:1167065.5/15

Out: 1381.973+/-0.366 χ^2/NDF:1374375.3/18

All: 1394.675+/-0.266 χ^2/NDF: 2544007.9/34



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: -2001.627+/-1952.256 χ^2/NDF:0.0/0

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

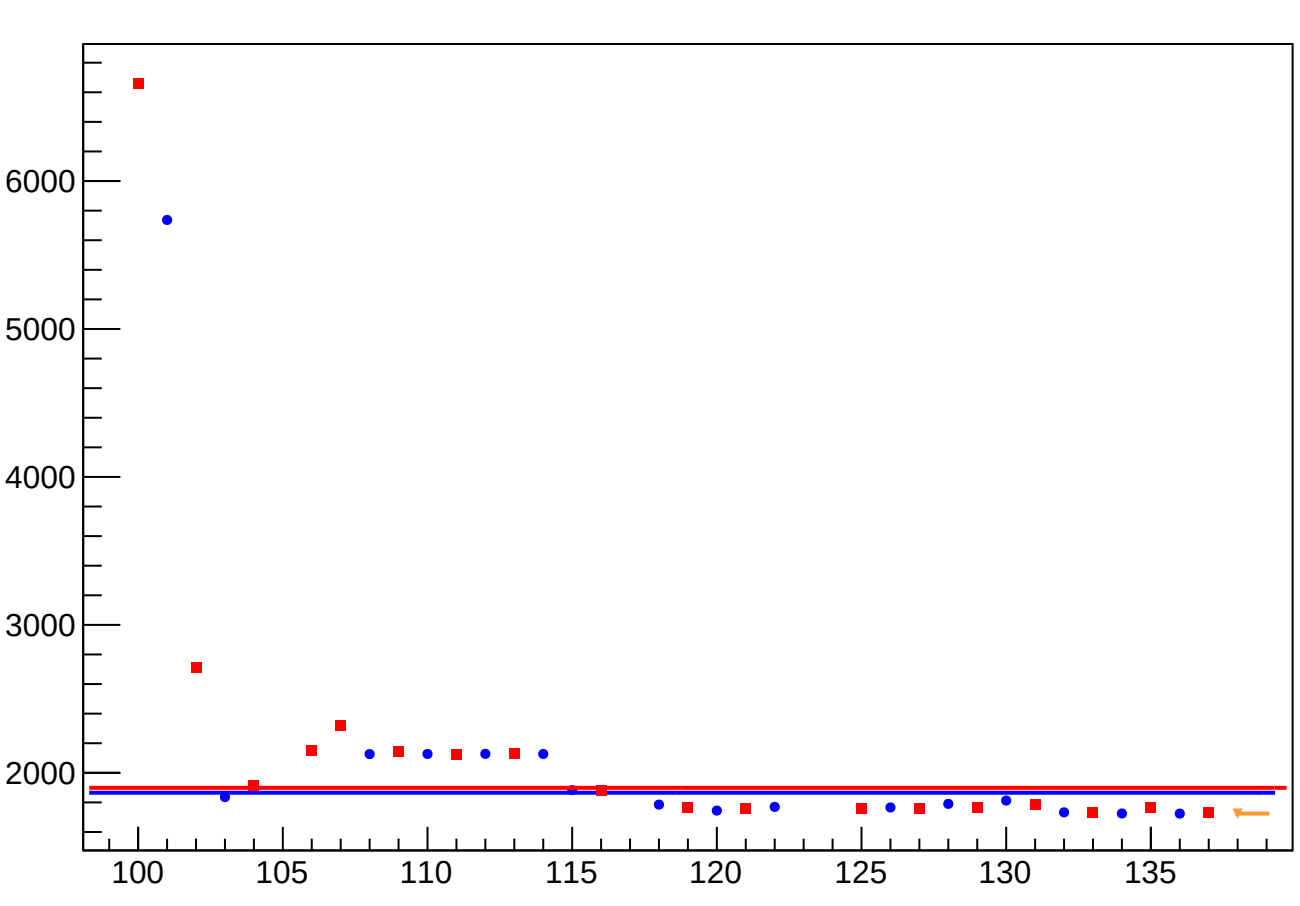
Left: -2001.627+/-1952.256 χ^2/NDF: 0.0/0

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -252.024+/-709.973 χ^2/NDF:15.6/15

Out: 212.729+/-671.754 χ^2/NDF:17.9/18

All: -6.802+/-487.954 χ^2/NDF: 33.7/34



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1724.642+/-1.380 χ^2/NDF:0.0/0

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1724.642+/-1.380 χ^2/NDF: 0.0/0

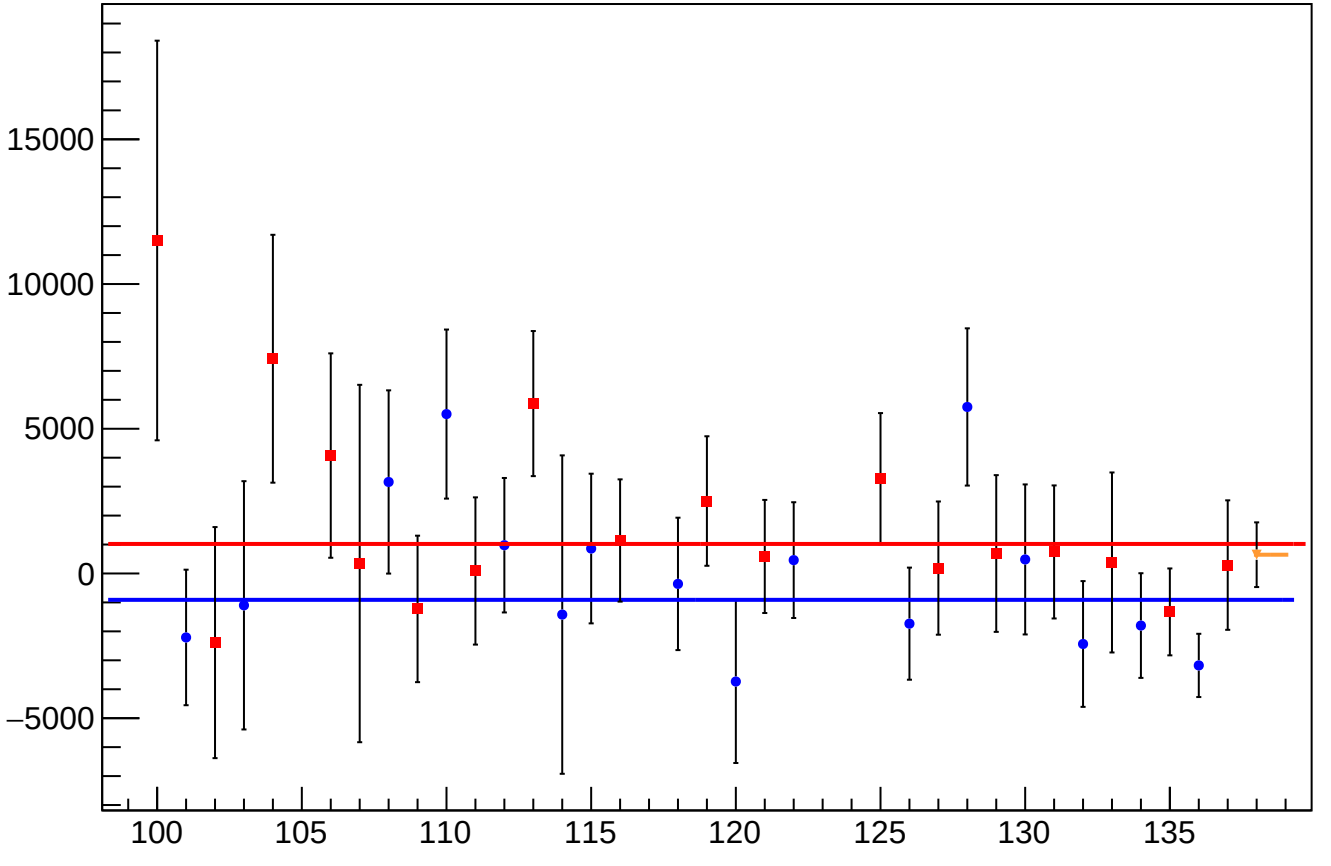
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1865.440+/-0.502 χ^2/NDF:674989.6/15

Out: 1878.006+/-0.475 χ^2/NDF:283110.2/18

All: 1872.070+/-0.345 χ^2/NDF: 958430.4/34

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: 648.182+/-1117.546 χ^2/NDF:0.0/0

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

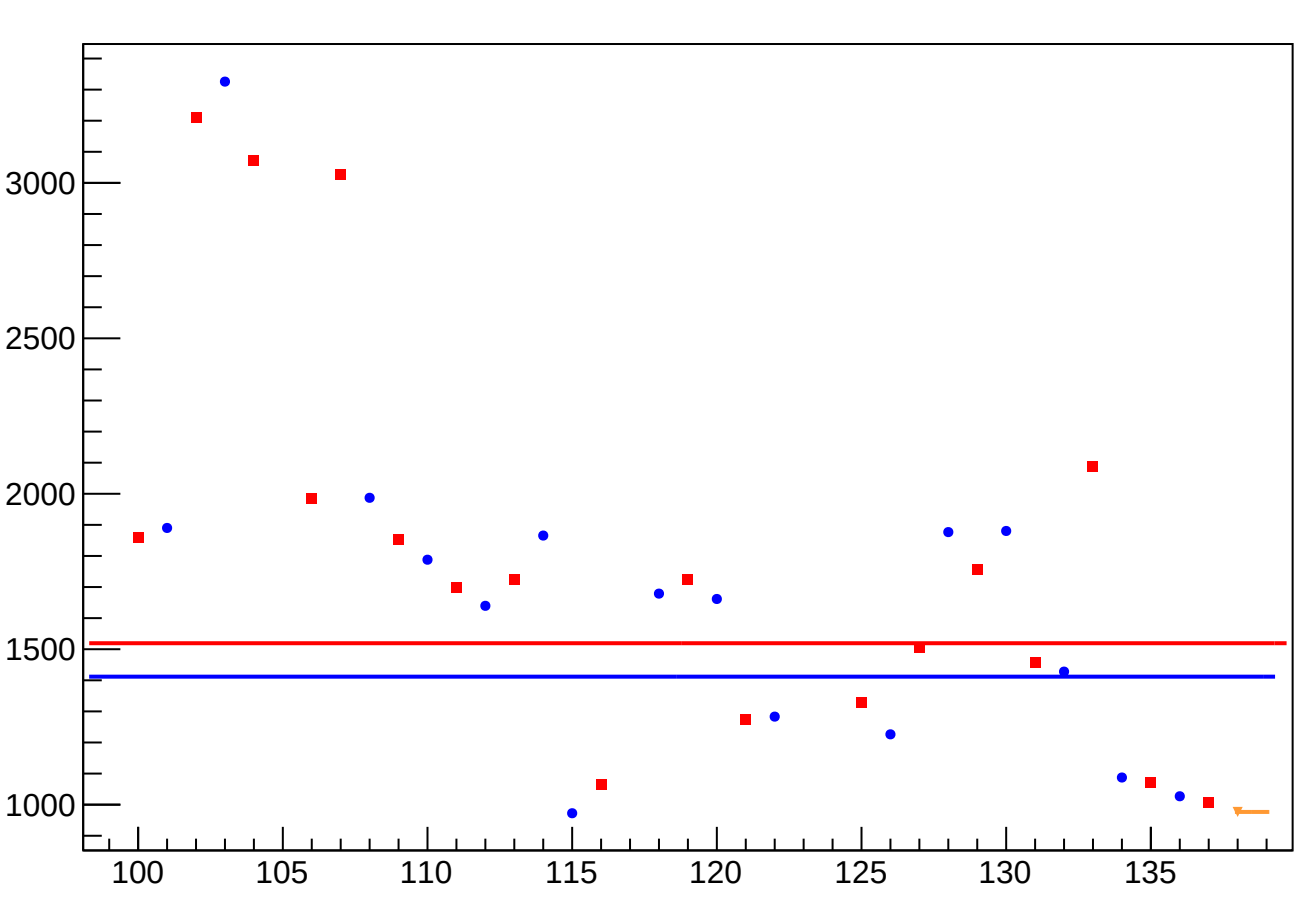
Left: 648.182+/-1117.546 χ^2/NDF: 0.0/0

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -910.955+/-550.836 χ^2/NDF:21.0/15

Out: 938.708+/-522.857 χ^2/NDF:15.0/18

All: 62.043+/-379.221 χ^2/NDF: 41.9/34



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 976.619+/-0.790 χ^2/NDF:0.0/0

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

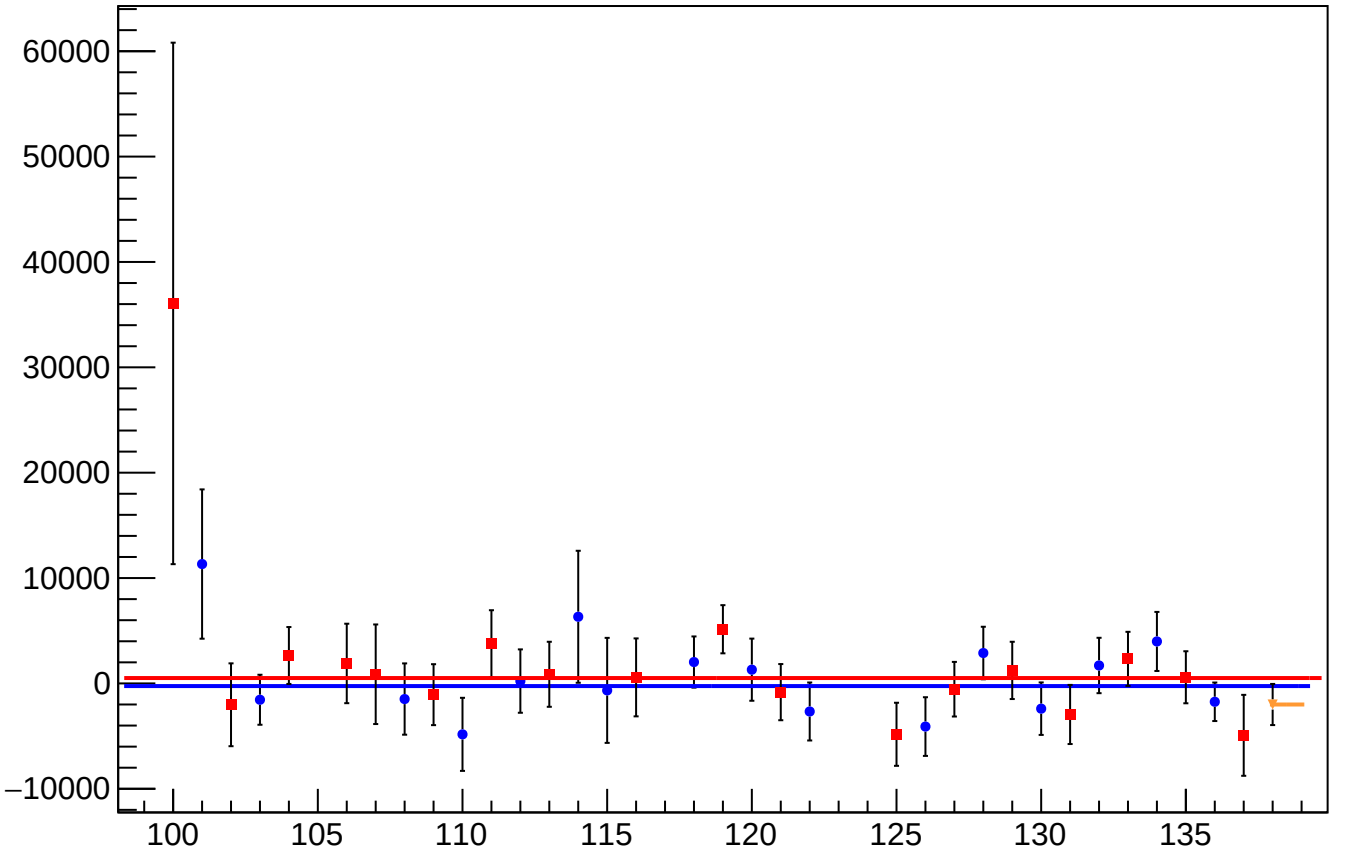
Left: 976.619+/-0.790 χ^2/NDF: 0.0/0

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1411.748+/-0.389 χ^2/NDF:1177745.4/15

Out: 1400.514+/-0.370 χ^2/NDF:1728534.6/18

All: 1405.838+/-0.268 χ^2/NDF: 2906717.6/34



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: -2001.630+/-1952.256 χ^2/NDF:0.0/0

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

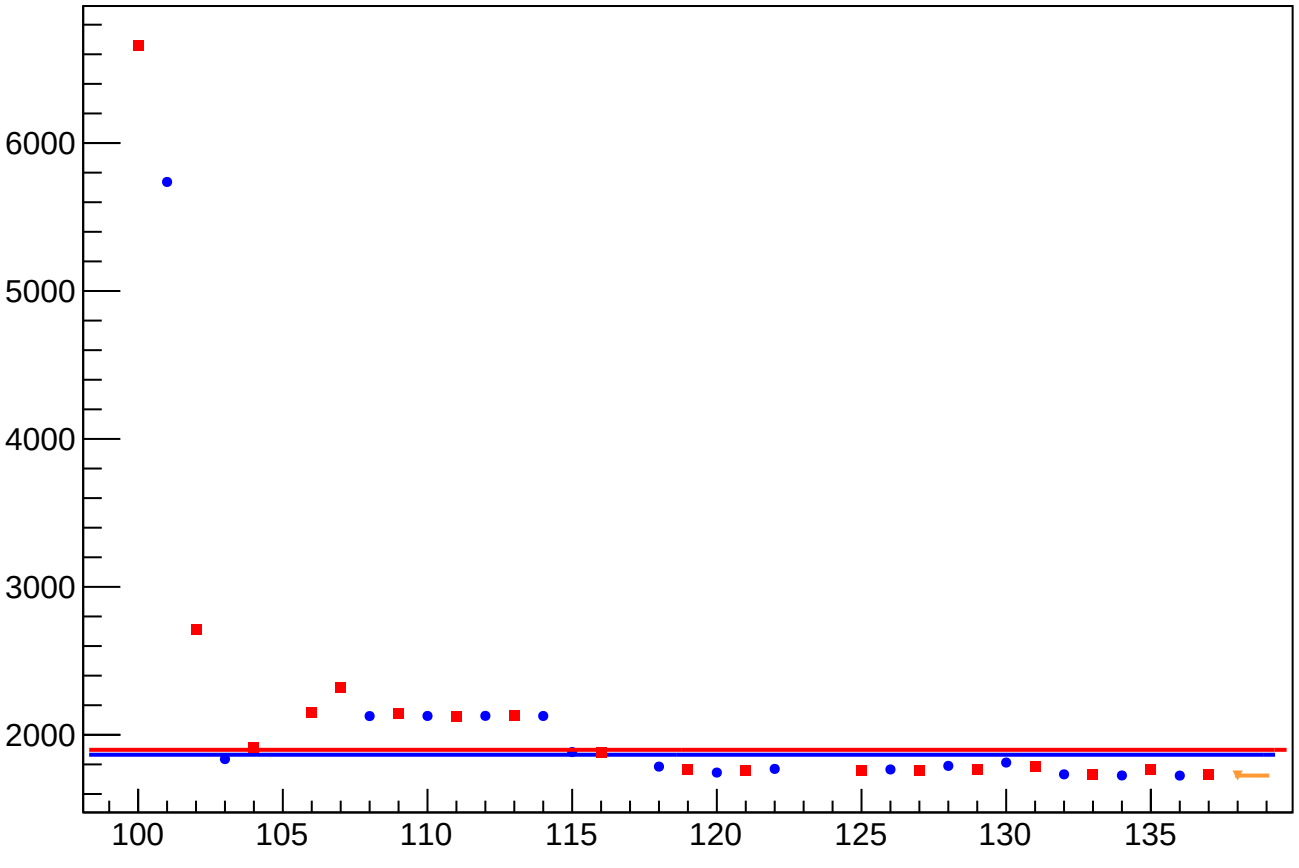
Left: -2001.630+/-1952.256 χ^2/NDF: 0.0/0

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -252.023+/-709.973 χ^2/NDF:15.6/15

Out: 212.729+/-671.754 χ^2/NDF:17.9/18

All: -6.802+/-487.954 χ^2/NDF: 33.7/34



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1724.642+/-1.380 χ^2/NDF:0.0/0

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

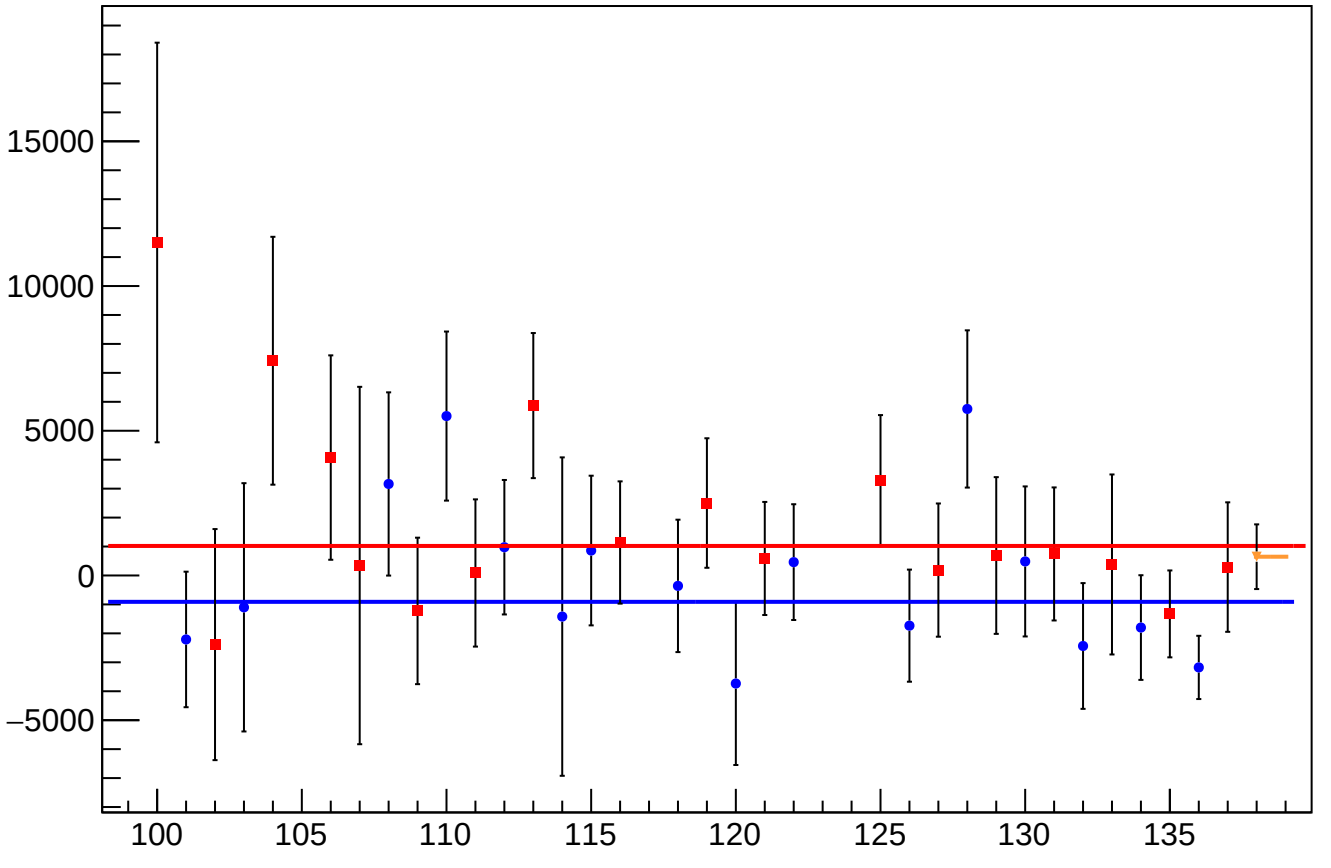
Left: 1724.642+/-1.380 χ^2/NDF: 0.0/0

Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1865.440+/-0.502 χ^2/NDF:674989.6/15

Out: 1878.006+/-0.475 χ^2/NDF:283110.0/18

All: 1872.070+/-0.345 χ^2/NDF: 958430.2/34



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: 648.179+/-1117.550 χ^2/NDF:0.0/0

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

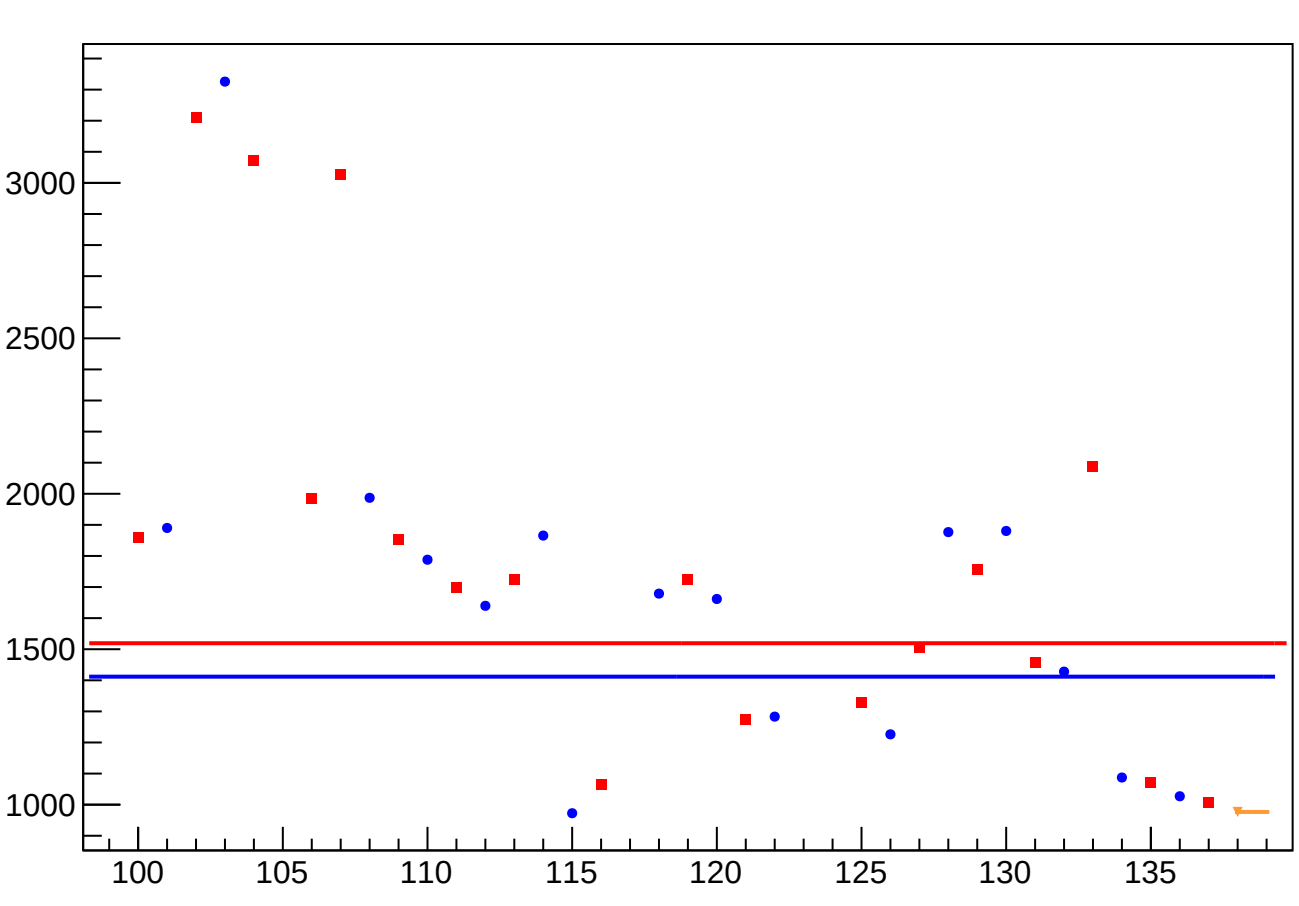
Left: 648.179+/-1117.550 χ^2/NDF: 0.0/0

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -910.950+/-550.835 χ^2/NDF:21.0/15

Out: 938.707+/-522.857 χ^2/NDF:15.0/18

All: 62.044+/-379.221 χ^2/NDF: 41.9/34



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 976.621+/-0.790 χ^2/NDF:0.0/0

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

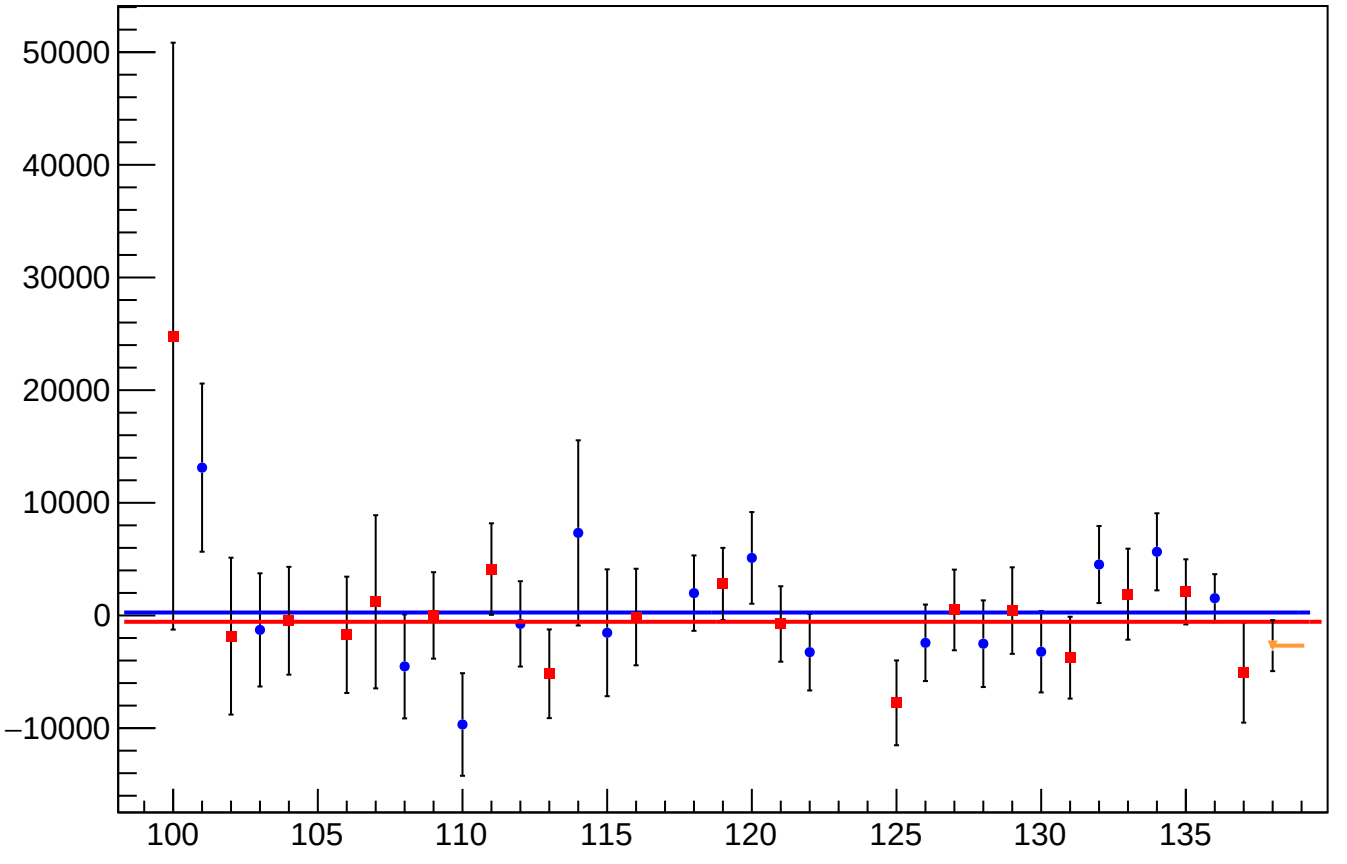
Left: 976.621+/-0.790 χ^2/NDF: 0.0/0

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1411.745+/-0.389 χ^2/NDF:1177746.1/15

Out: 1400.513+/-0.370 χ^2/NDF:1728530.0/18

All: 1405.837+/-0.268 χ^2/NDF: 2906713.5/34



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: -2677.101+/-2262.711 χ^2/NDF:0.0/0

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

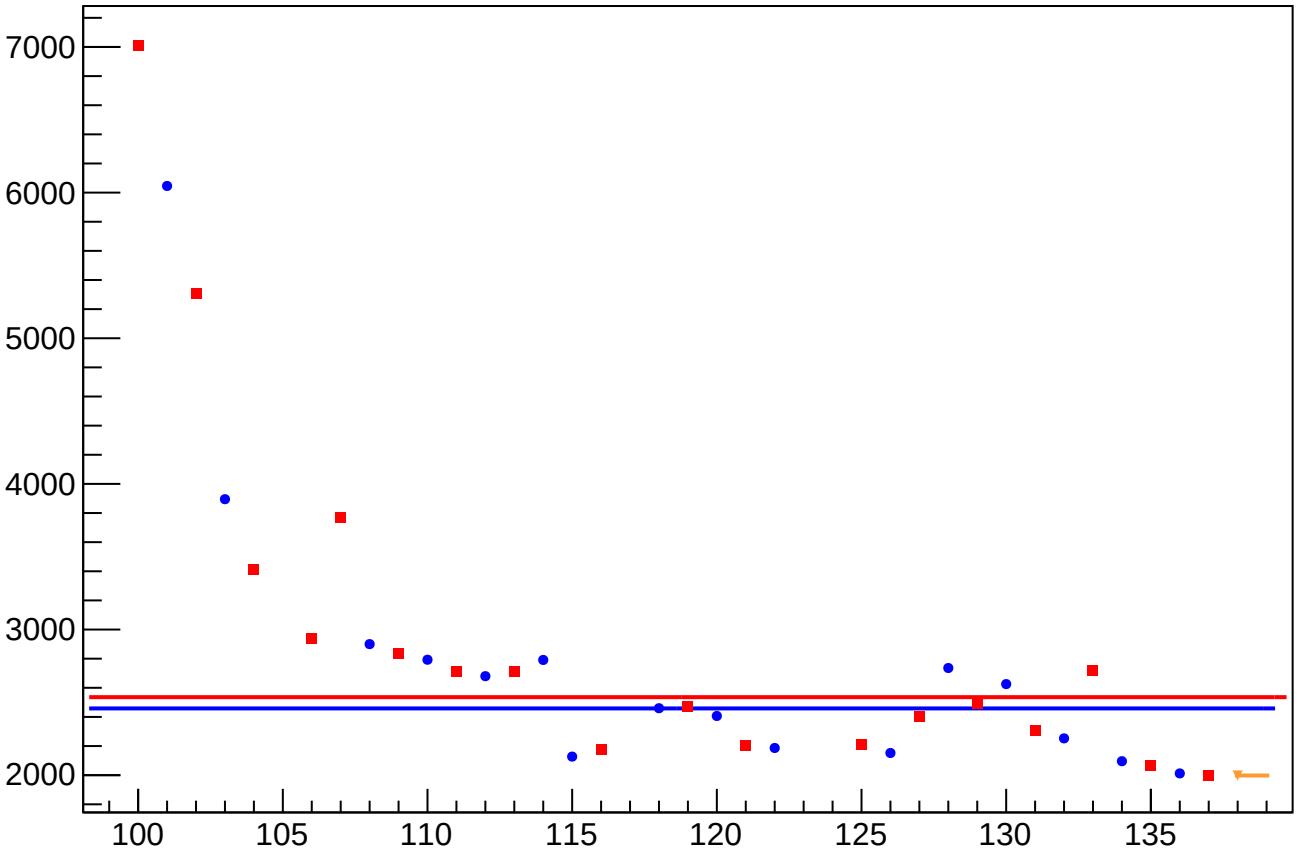
Left: -2677.101+/-2262.711 χ^2/NDF: 0.0/0

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 264.383+/-941.979 χ^2/NDF:19.0/15

Out: -885.449+/-886.044 χ^2/NDF:12.5/18

All: -345.684+/-645.397 χ^2/NDF: 32.3/34



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1997.830+/-1.600 χ^2/NDF:0.0/0

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

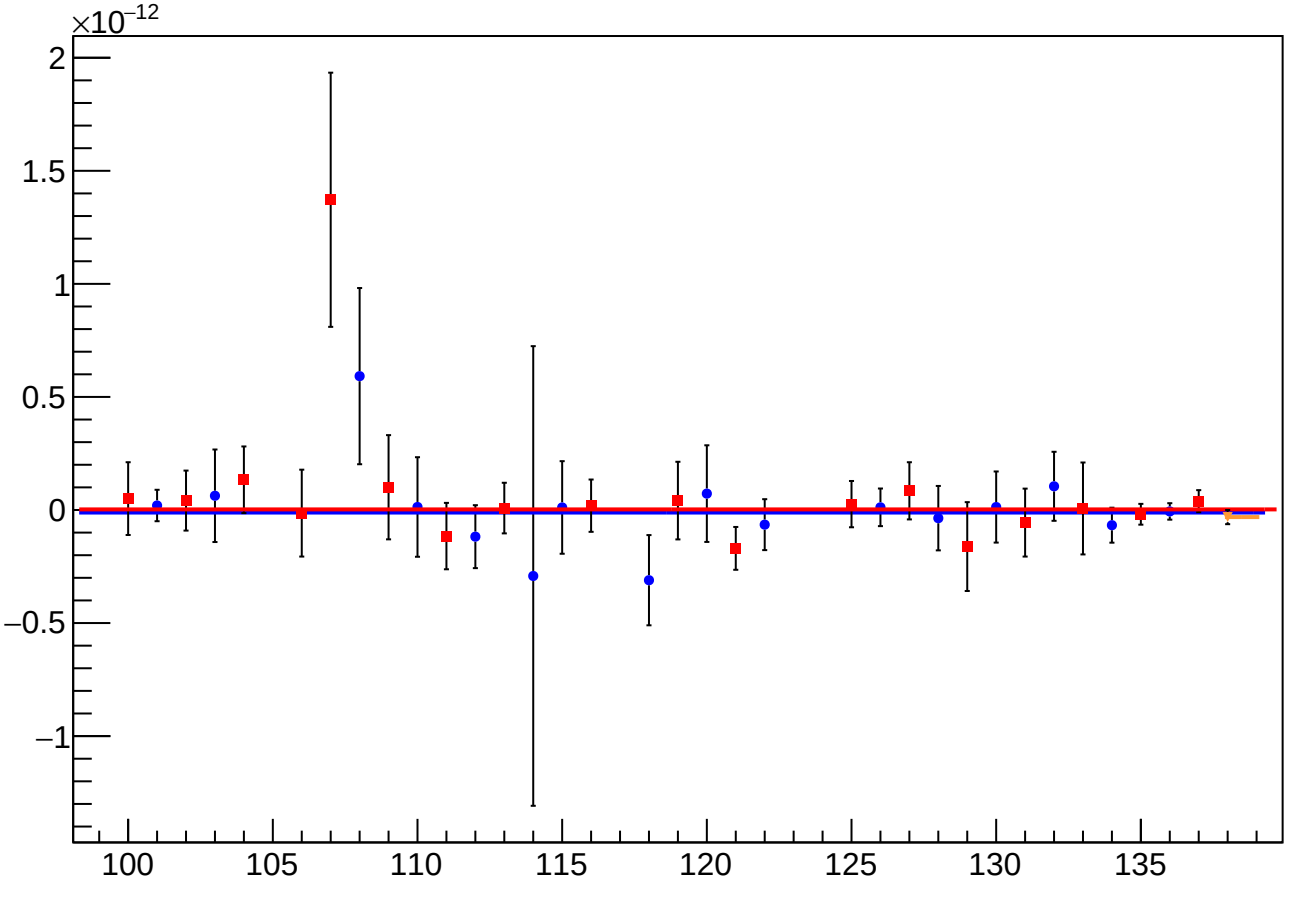
Left: 1997.830+/-1.600 χ^2/NDF: 0.0/0

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2458.332+/-0.666 χ^2/NDF:832888.7/15

Out: 2453.294+/-0.627 χ^2/NDF:769049.8/18

All: 2455.659+/-0.456 χ^2/NDF: 1601968.9/34



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

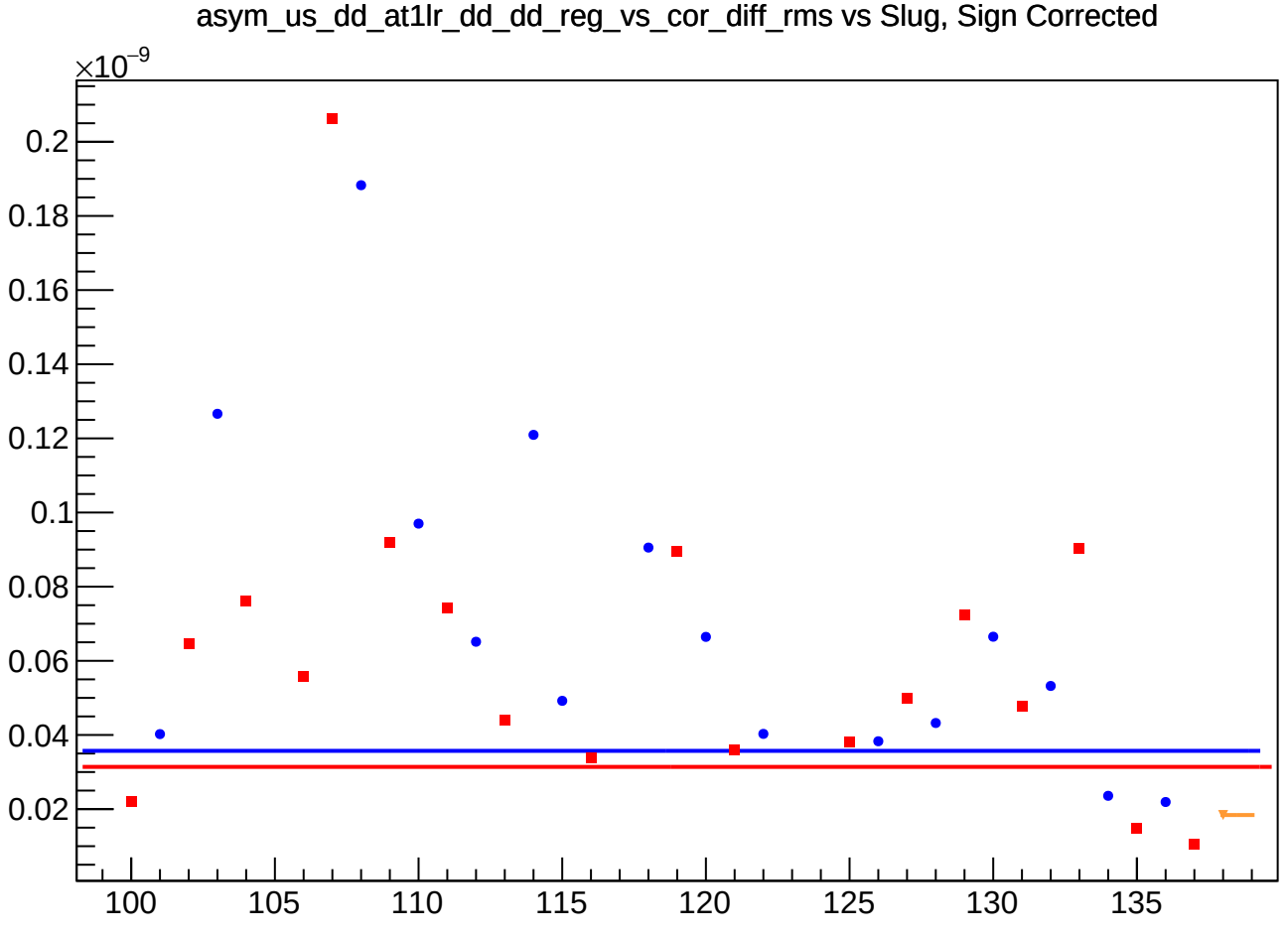
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:7.3/15

Out: -0.000+/-0.000 χ^2/NDF:14.0/18

All: -0.000+/-0.000 χ^2/NDF: 21.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

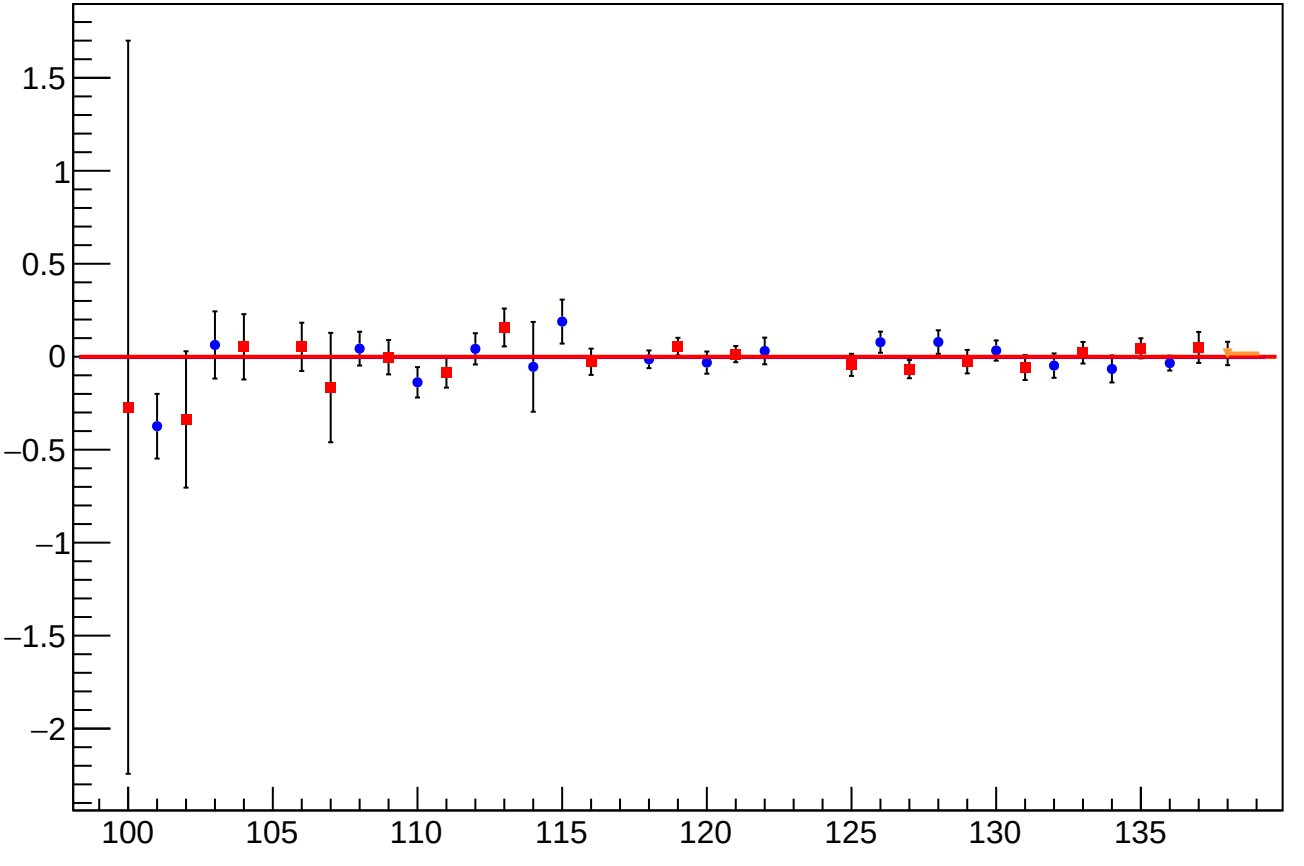
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:1620217.4/15

Out: 0.000+/-0.000 χ^2/NDF:2282342.5/18

All: 0.000+/-0.000 χ^2/NDF: 4077422.0/34

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: 0.017+/-0.063 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.017+/-0.063 χ^2/NDF: 0.0/0

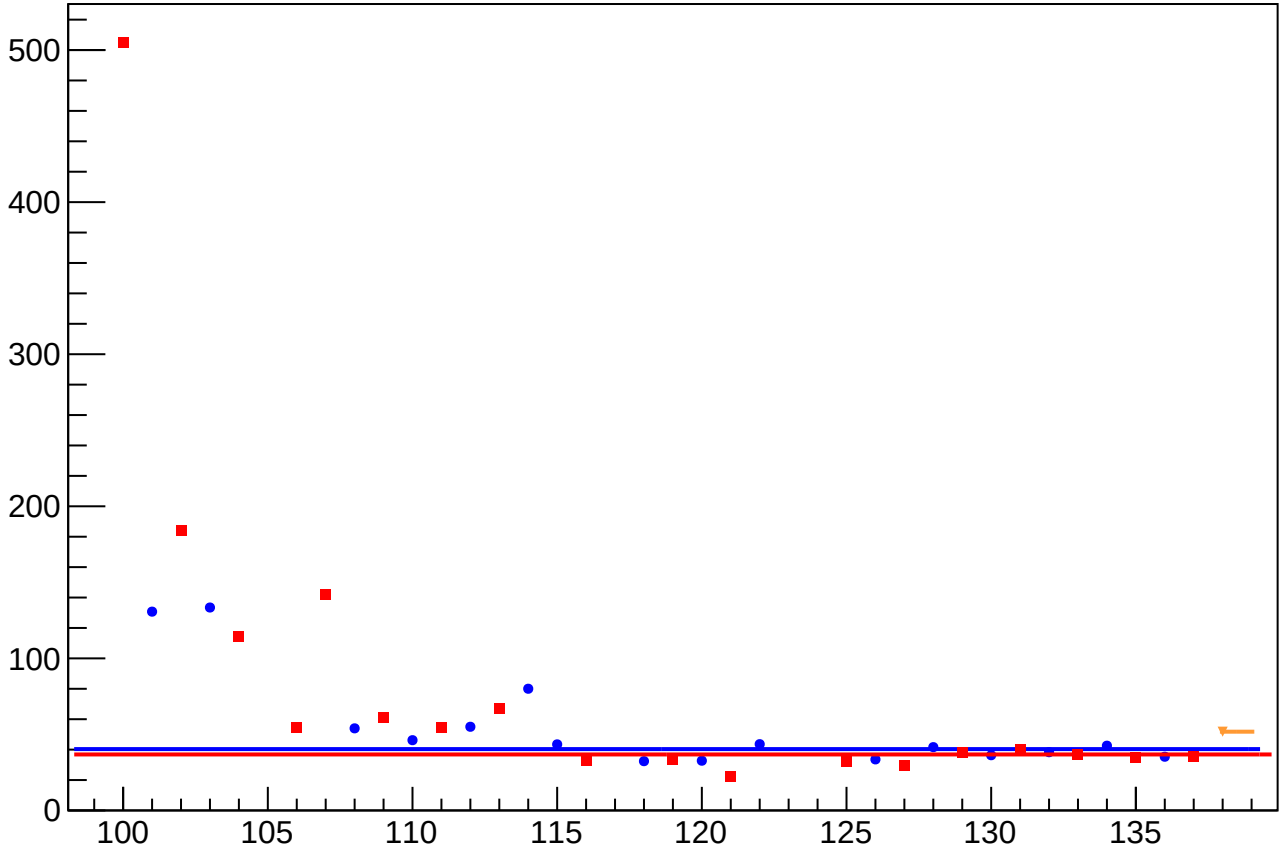
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.002+/-0.017 χ^2/NDF:17.1/15

Out: 0.001+/-0.016 χ^2/NDF:11.0/18

All: -0.000+/-0.012 χ^2/NDF: 28.1/34

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: 51.795+/-0.044 χ^2/NDF:0.0/0

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 51.795+/-0.044 χ^2/NDF: 0.0/0

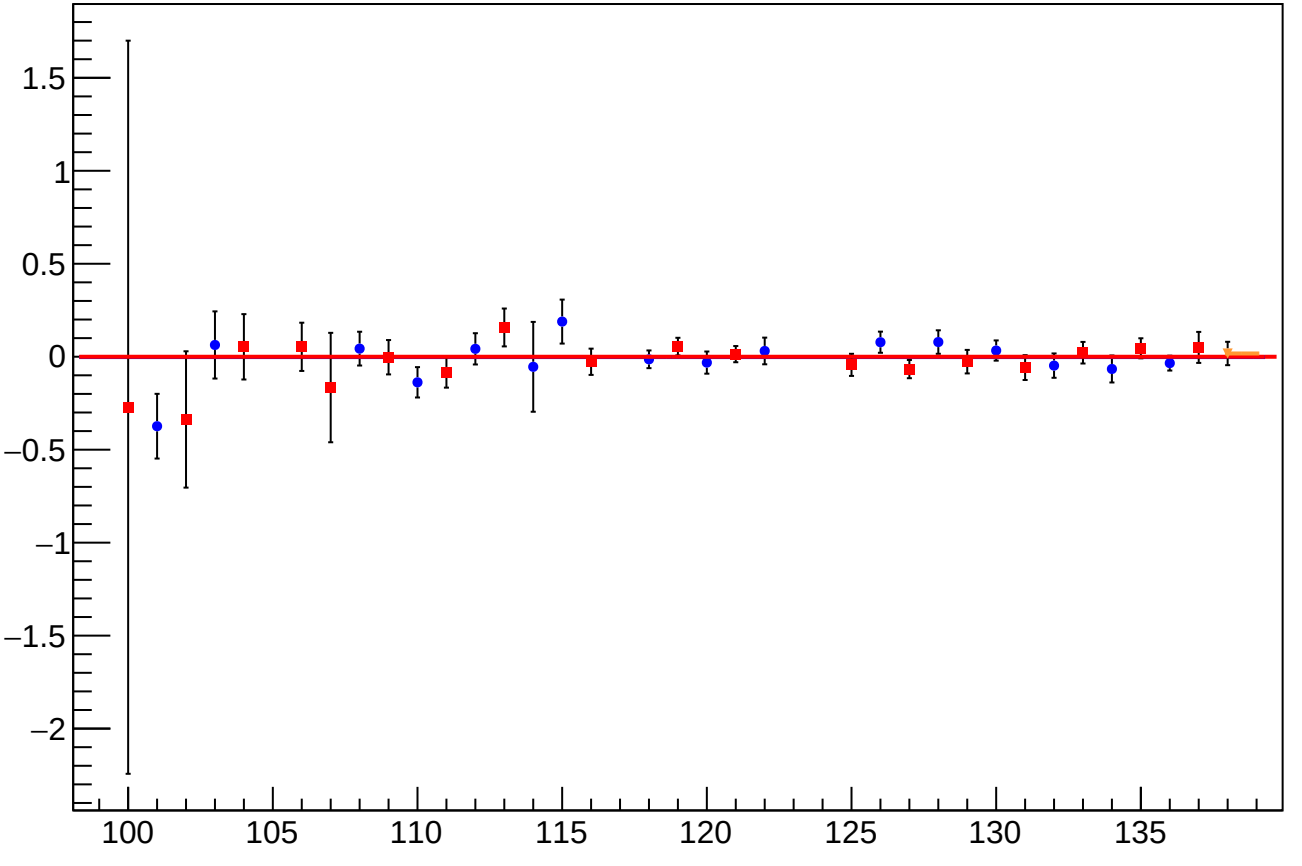
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 40.352+/-0.012 χ^2/NDF:1410137.1/15

Out: 37.807+/-0.011 χ^2/NDF:1943046.8/18

All: 39.005+/-0.008 χ^2/NDF: 3376666.8/34

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: 0.017+/-0.063 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.017+/-0.063 χ^2/NDF: 0.0/0

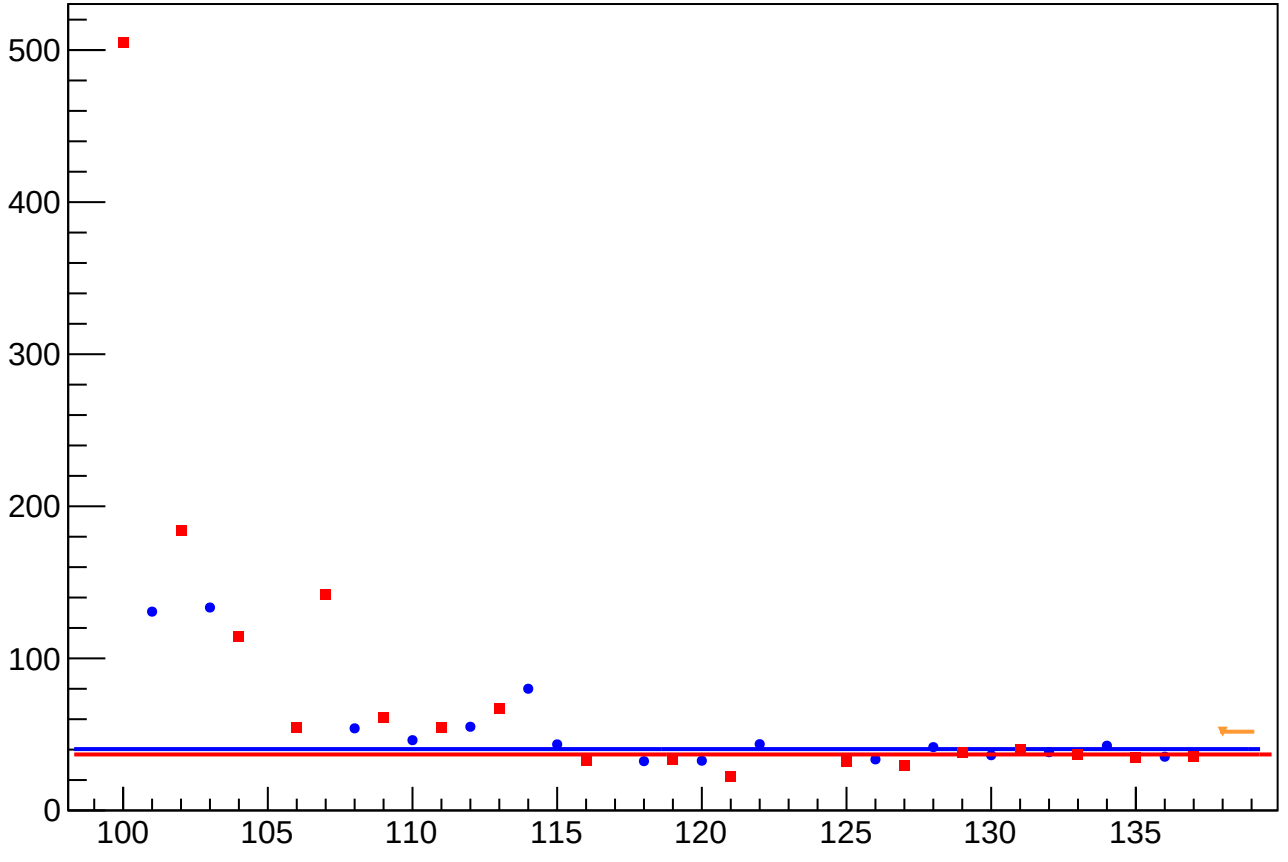
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.002+/-0.017 χ^2/NDF:17.1/15

Out: 0.001+/-0.016 χ^2/NDF:11.0/18

All: -0.000+/-0.012 χ^2/NDF: 28.1/34

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: 51.795+/-0.044 χ^2/NDF:0.0/0

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 51.795+/-0.044 χ^2/NDF: 0.0/0

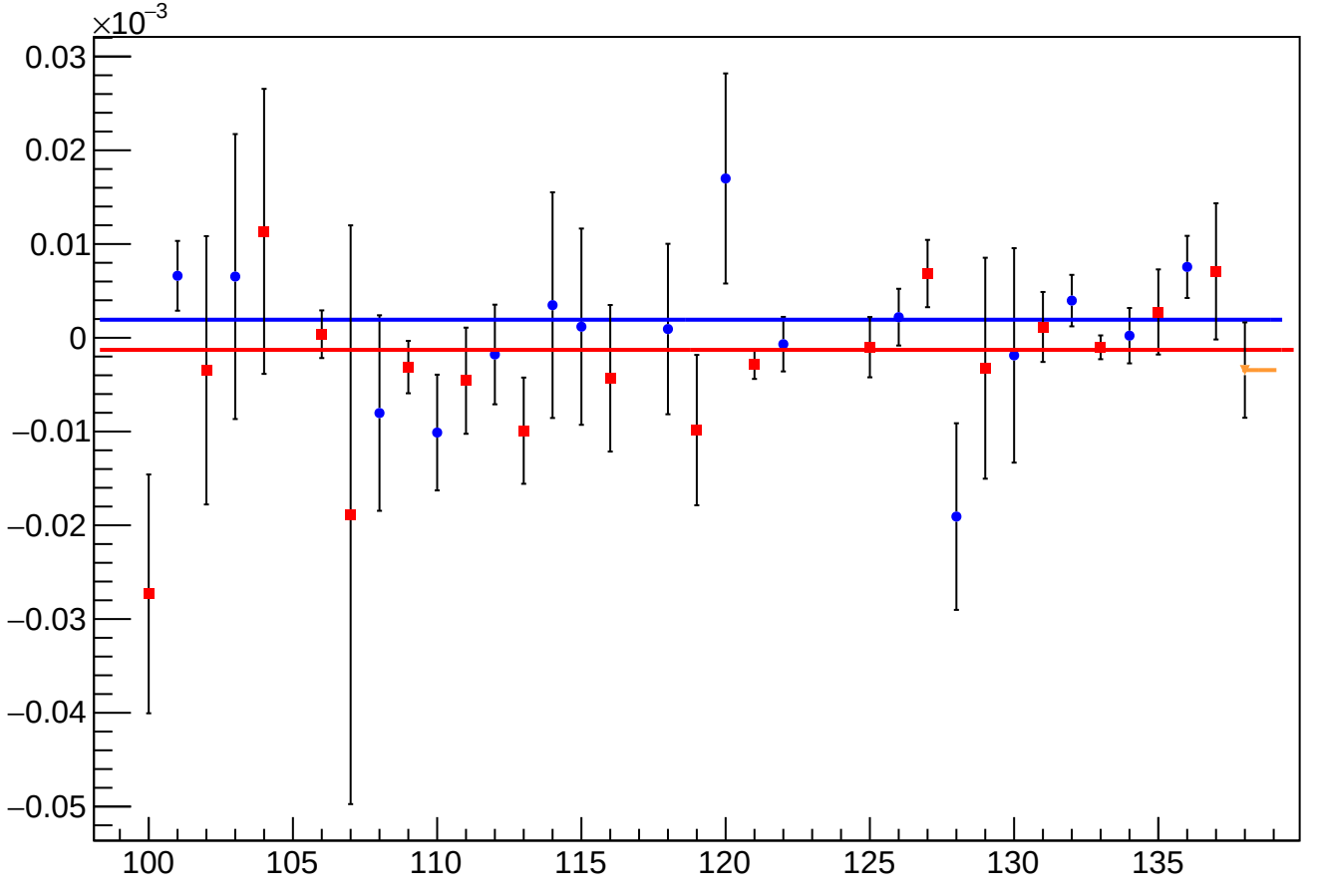
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 40.352+/-0.012 χ^2/NDF:1410137.1/15

Out: 37.807+/-0.011 χ^2/NDF:1943046.8/18

All: 39.005+/-0.008 χ^2/NDF: 3376666.8/34

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

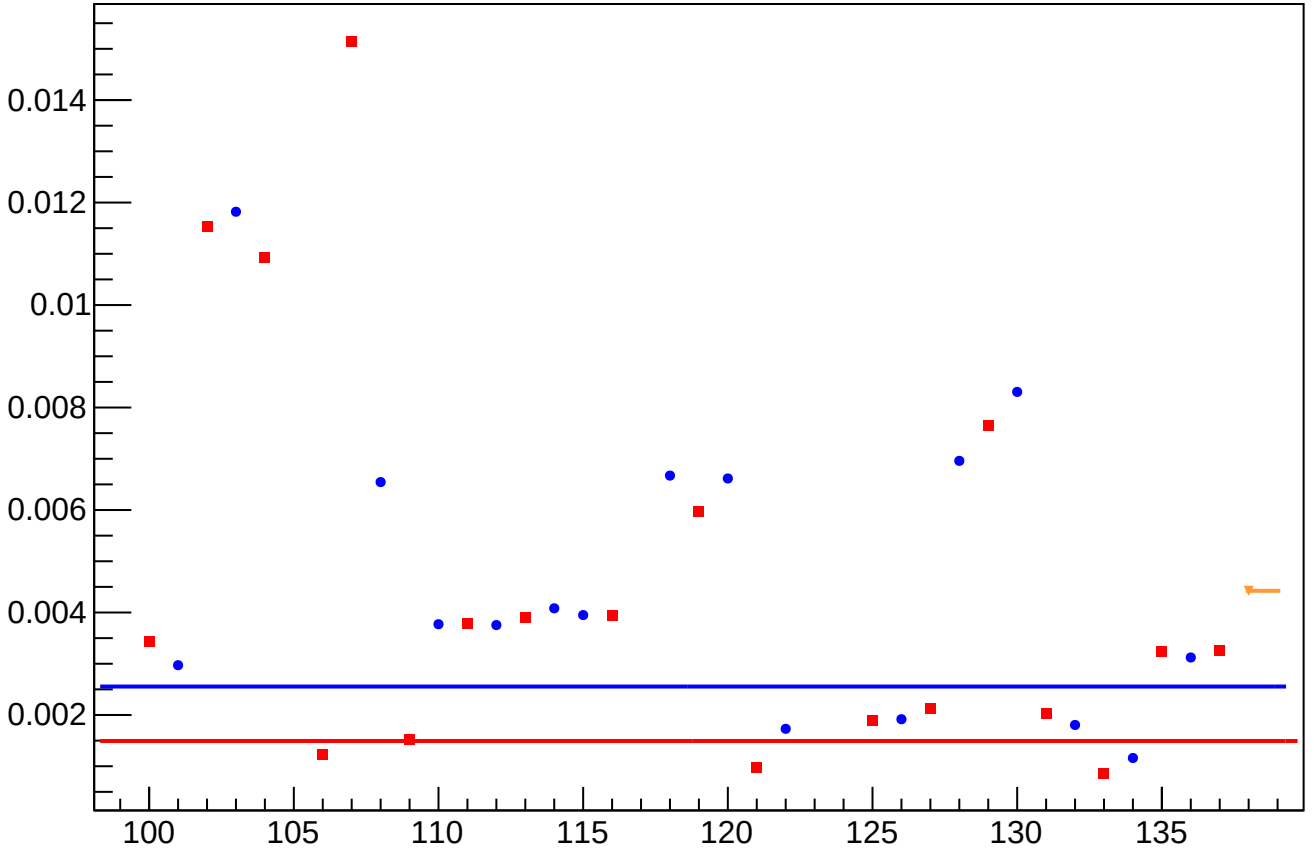
Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:17.9/15

Out: -0.000+/-0.000 χ^2/NDF:19.1/18

All: -0.000+/-0.000 χ^2/NDF: 42.7/34

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:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 0.0/0

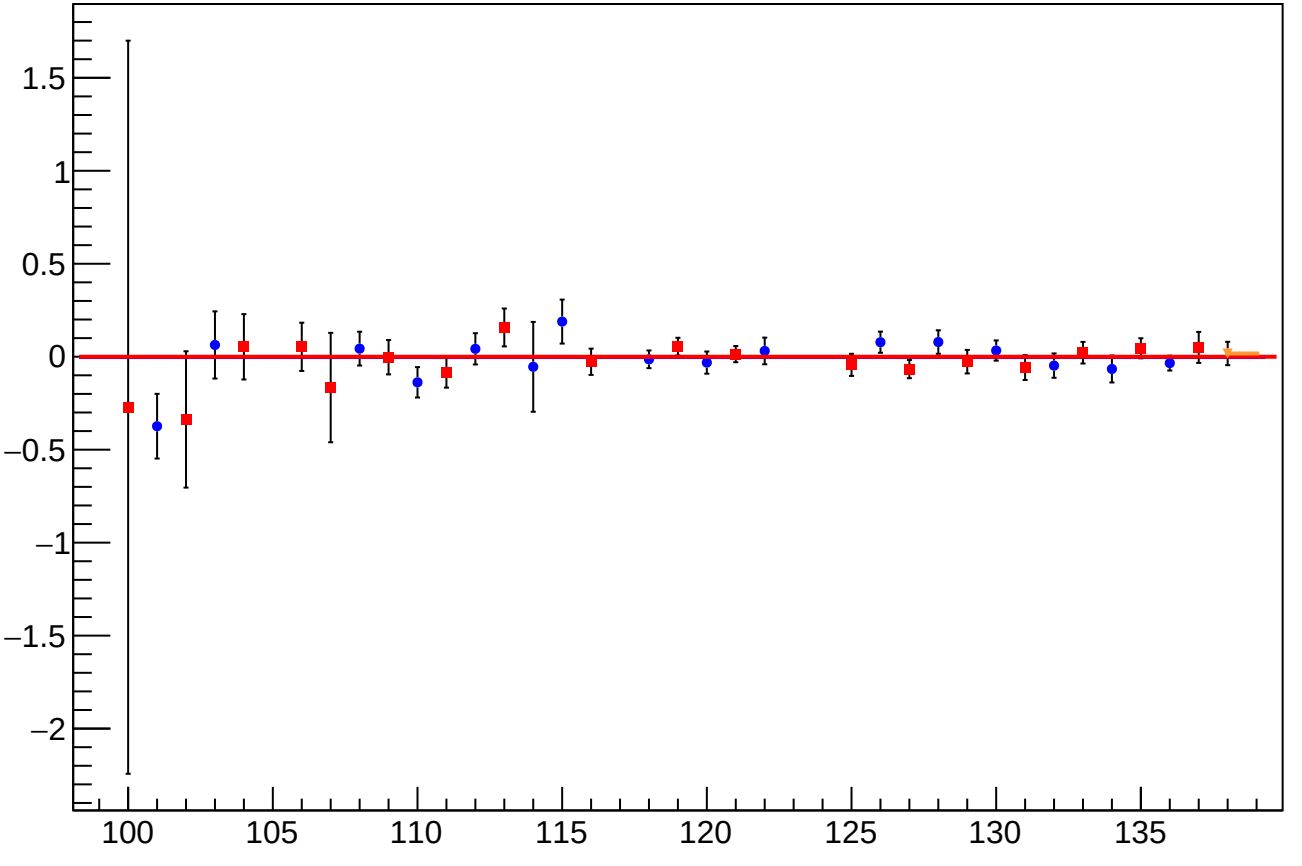
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:3782362.0/15

Out: 0.002+/-0.000 χ^2/NDF:6211728.8/18

All: 0.002+/-0.000 χ^2/NDF: 11071954.5/34

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: 0.017+/-0.063 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.017+/-0.063 χ^2/NDF: 0.0/0

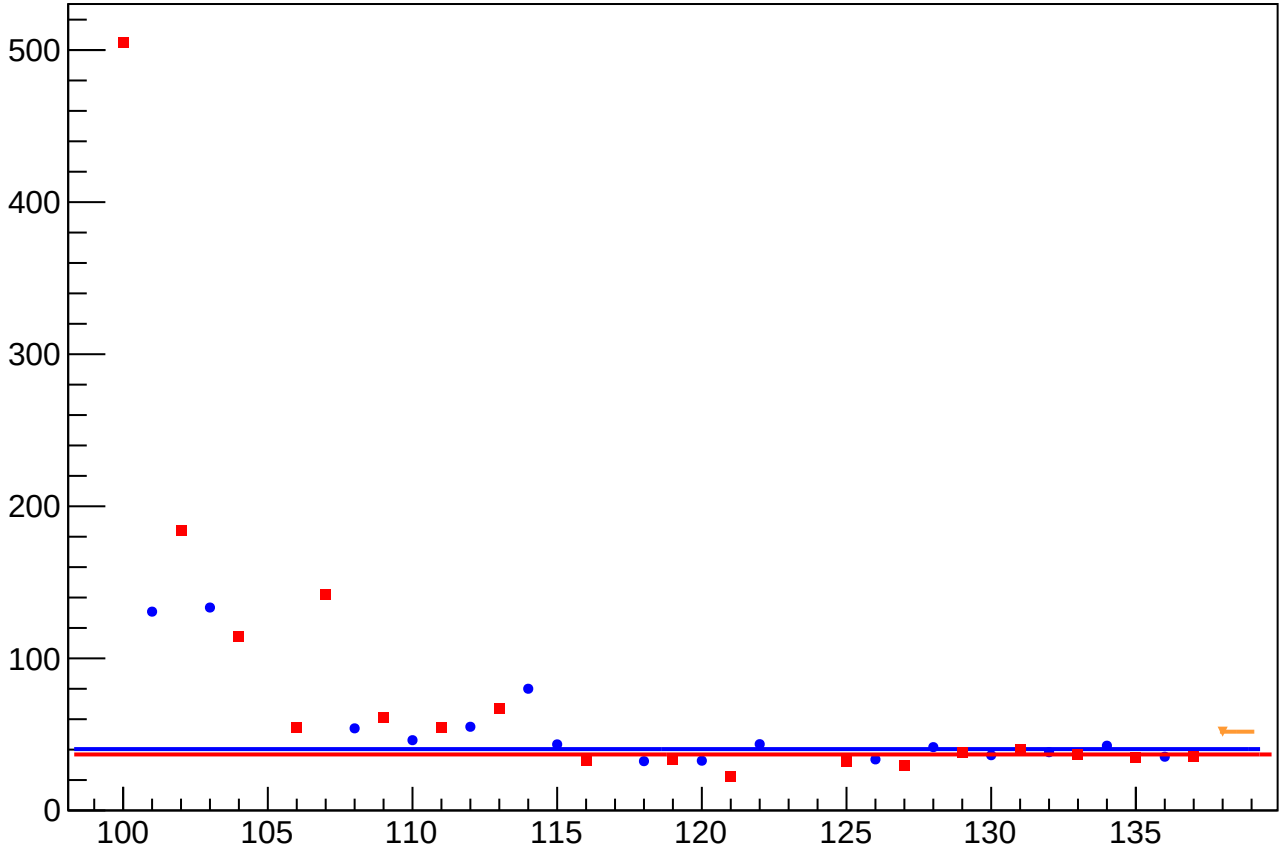
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.002+/-0.017 χ^2/NDF:17.1/15

Out: 0.001+/-0.016 χ^2/NDF:11.0/18

All: -0.000+/-0.012 χ^2/NDF: 28.1/34

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: 51.796+/-0.044 χ^2/NDF:0.0/0

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 51.796+/-0.044 χ^2/NDF: 0.0/0

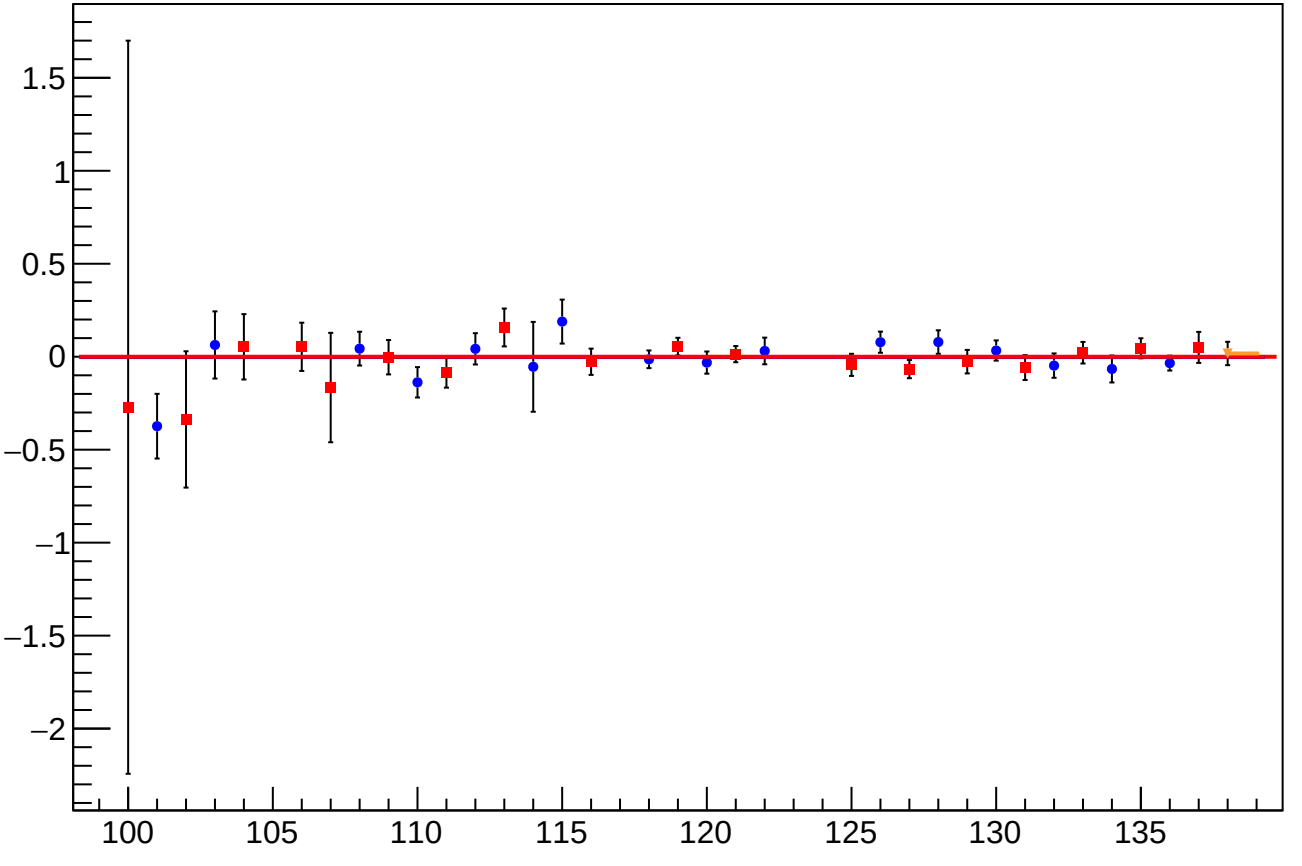
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 40.352+/-0.012 χ^2/NDF:1410036.7/15

Out: 37.807+/-0.011 χ^2/NDF:1943063.7/18

All: 39.005+/-0.008 χ^2/NDF: 3376608.5/34

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: 0.017+/-0.063 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.017+/-0.063 χ^2/NDF: 0.0/0

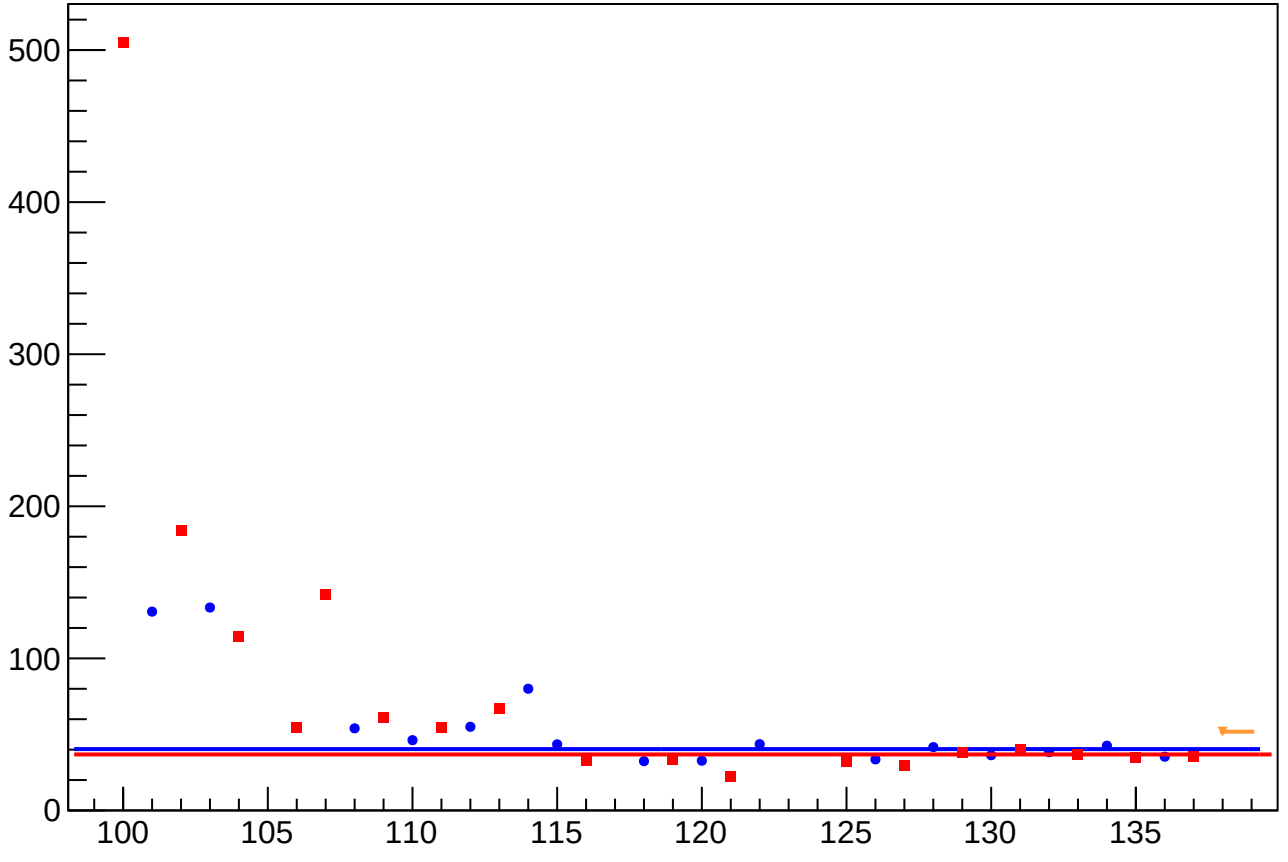
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.002+/-0.017 χ^2/NDF:17.1/15

Out: 0.001+/-0.016 χ^2/NDF:11.0/18

All: -0.000+/-0.012 χ^2/NDF: 28.1/34

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: 51.796+/-0.044 χ^2/NDF:0.0/0

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 51.796+/-0.044 χ^2/NDF: 0.0/0

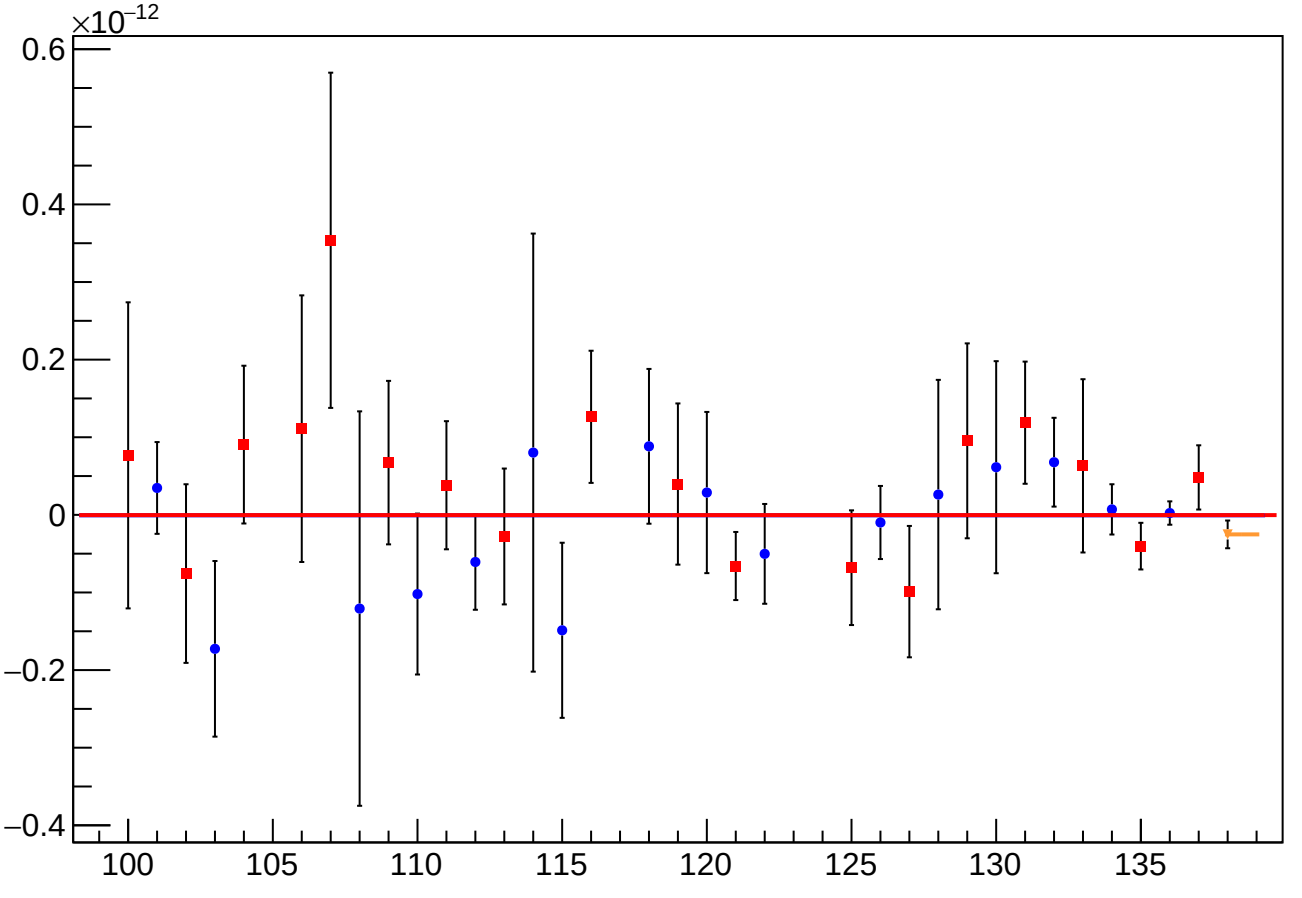
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 40.352+/-0.012 χ^2/NDF:1410036.7/15

Out: 37.807+/-0.011 χ^2/NDF:1943063.7/18

All: 39.005+/-0.008 χ^2/NDF: 3376608.5/34

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

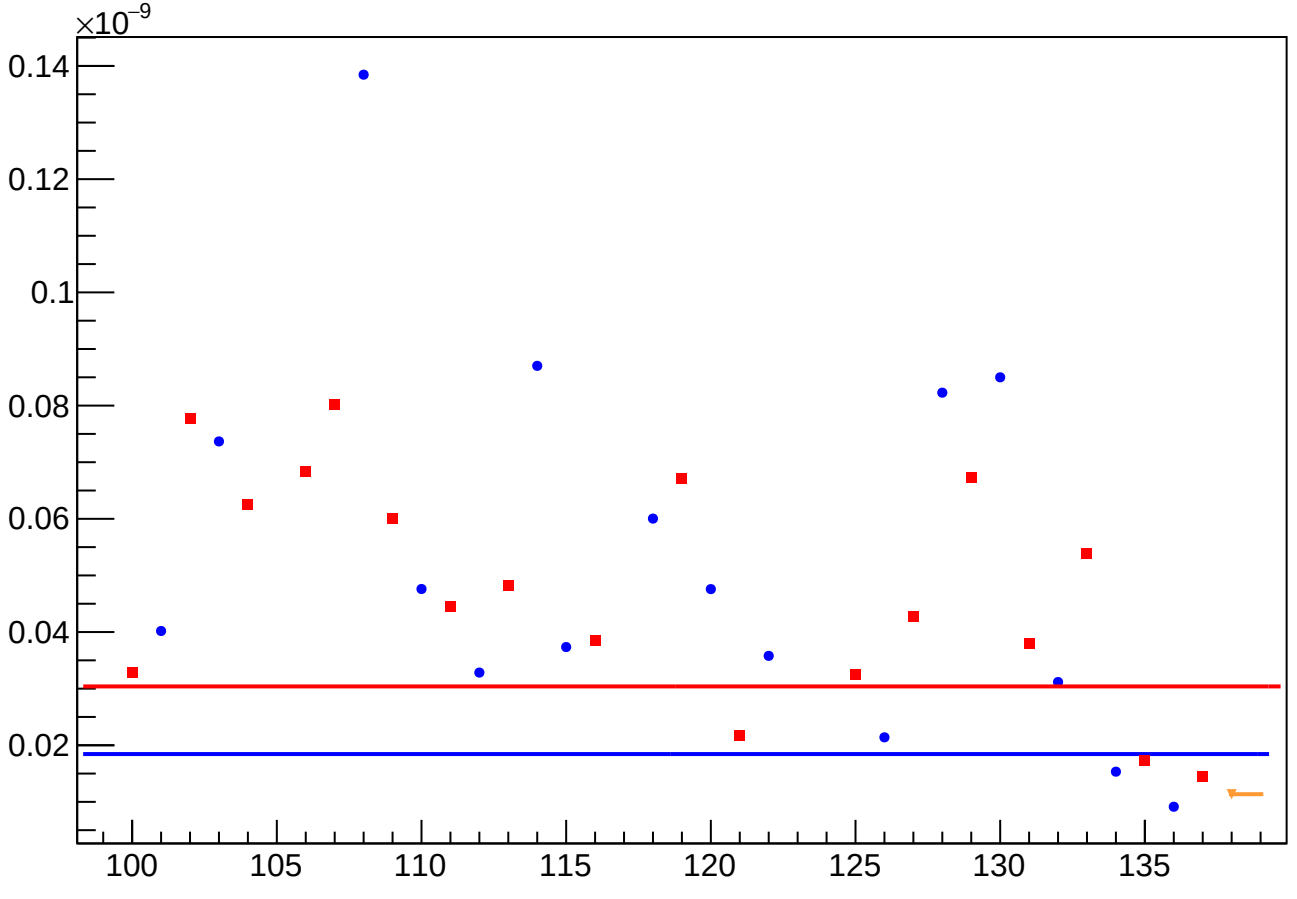
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:9.9/15

Out: -0.000+/-0.000 χ^2/NDF:19.4/18

All: -0.000+/-0.000 χ^2/NDF: 29.7/34



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

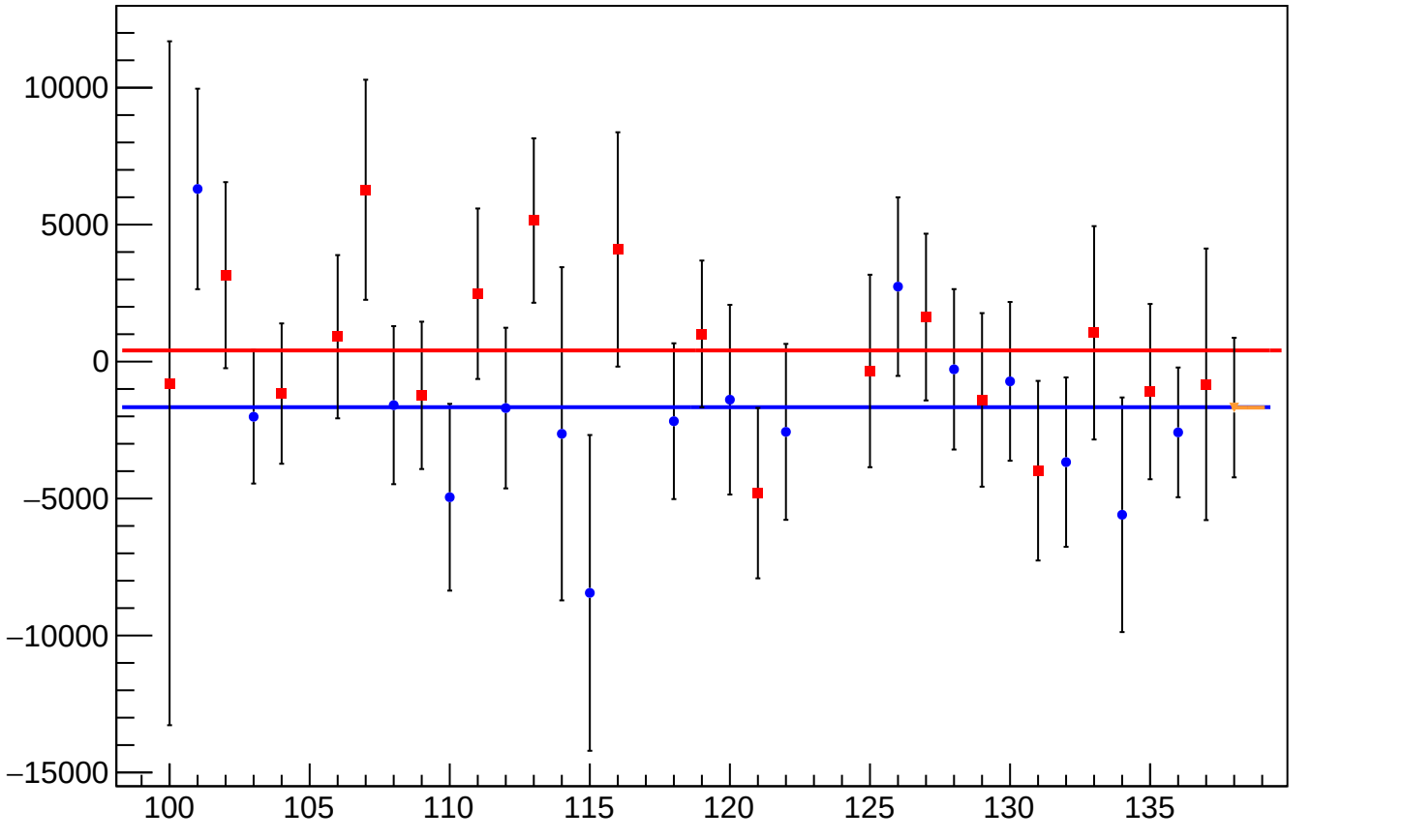
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:4022915.4/15

Out: 0.000+/-0.000 χ^2/NDF:3615508.1/18

All: 0.000+/-0.000 χ^2/NDF: 7711816.4/34



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -1679.187+/-2547.592 χ^2/NDF:0.0/0

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

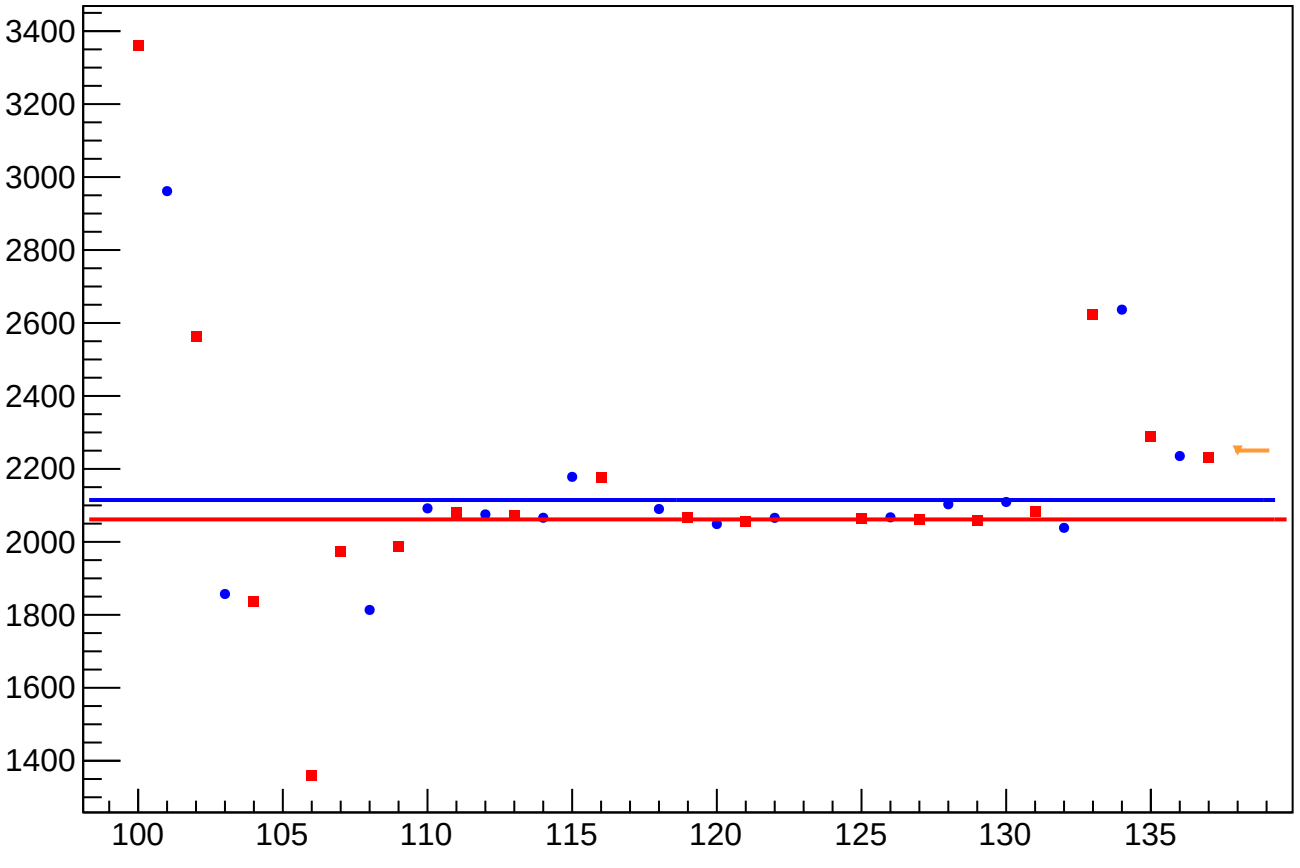
Left: -1679.187+/-2547.592 χ^2/NDF: 0.0/0

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1664.305+/-792.164 χ^2/NDF:10.8/15

Out: 229.250+/-743.340 χ^2/NDF:13.4/18

All: -657.380+/-542.060 χ^2/NDF: 27.2/34



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2250.514+/-1.801 χ^2/NDF:0.0/0

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

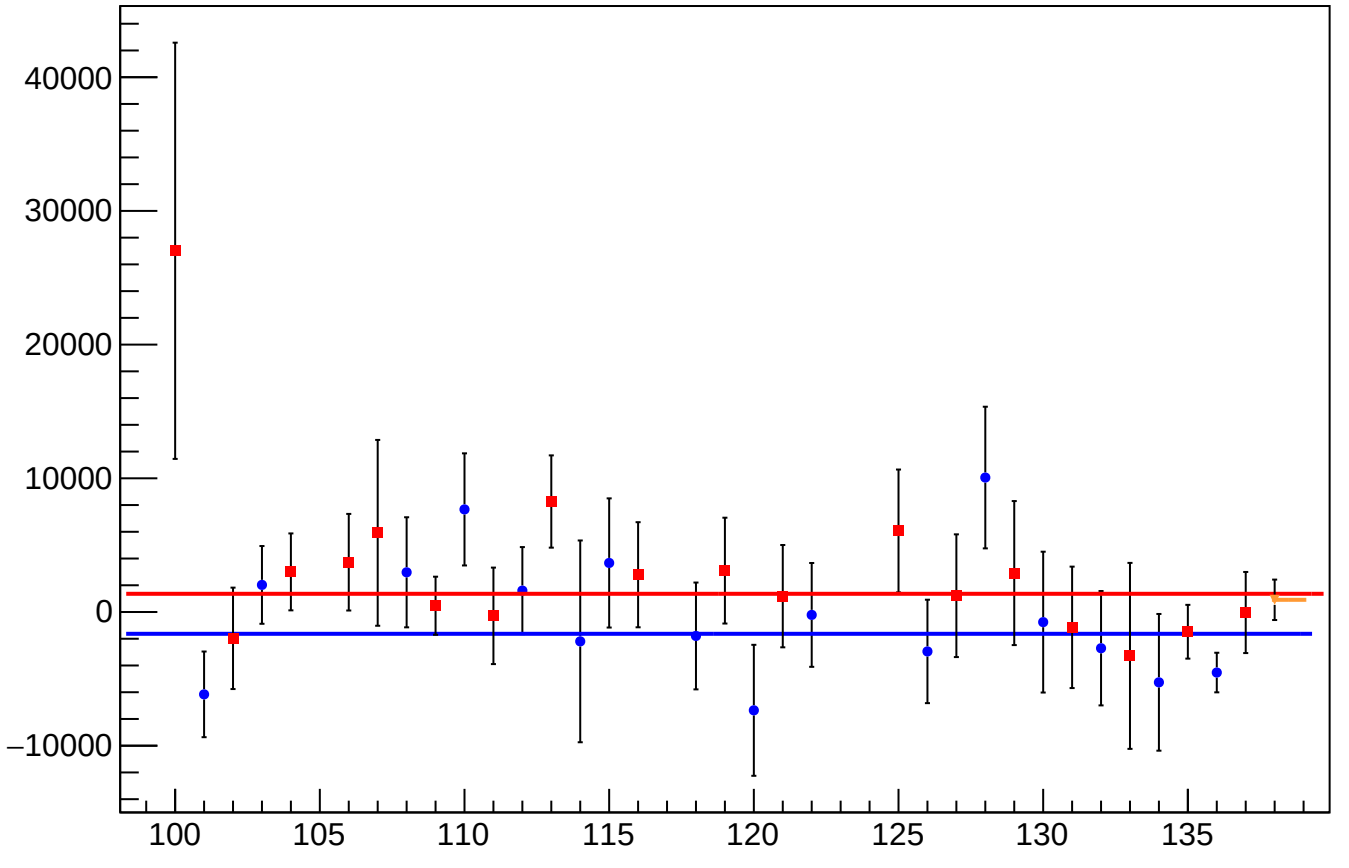
Left: 2250.514+/-1.801 χ^2/NDF: 0.0/0

Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2114.755+/-0.560 χ^2/NDF:189920.6/15

Out: 2077.647+/-0.526 χ^2/NDF:259252.2/18

All: 2095.022+/-0.383 χ^2/NDF: 451506.6/34



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: 912.169+/-1511.698 χ^2/NDF:0.0/0

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

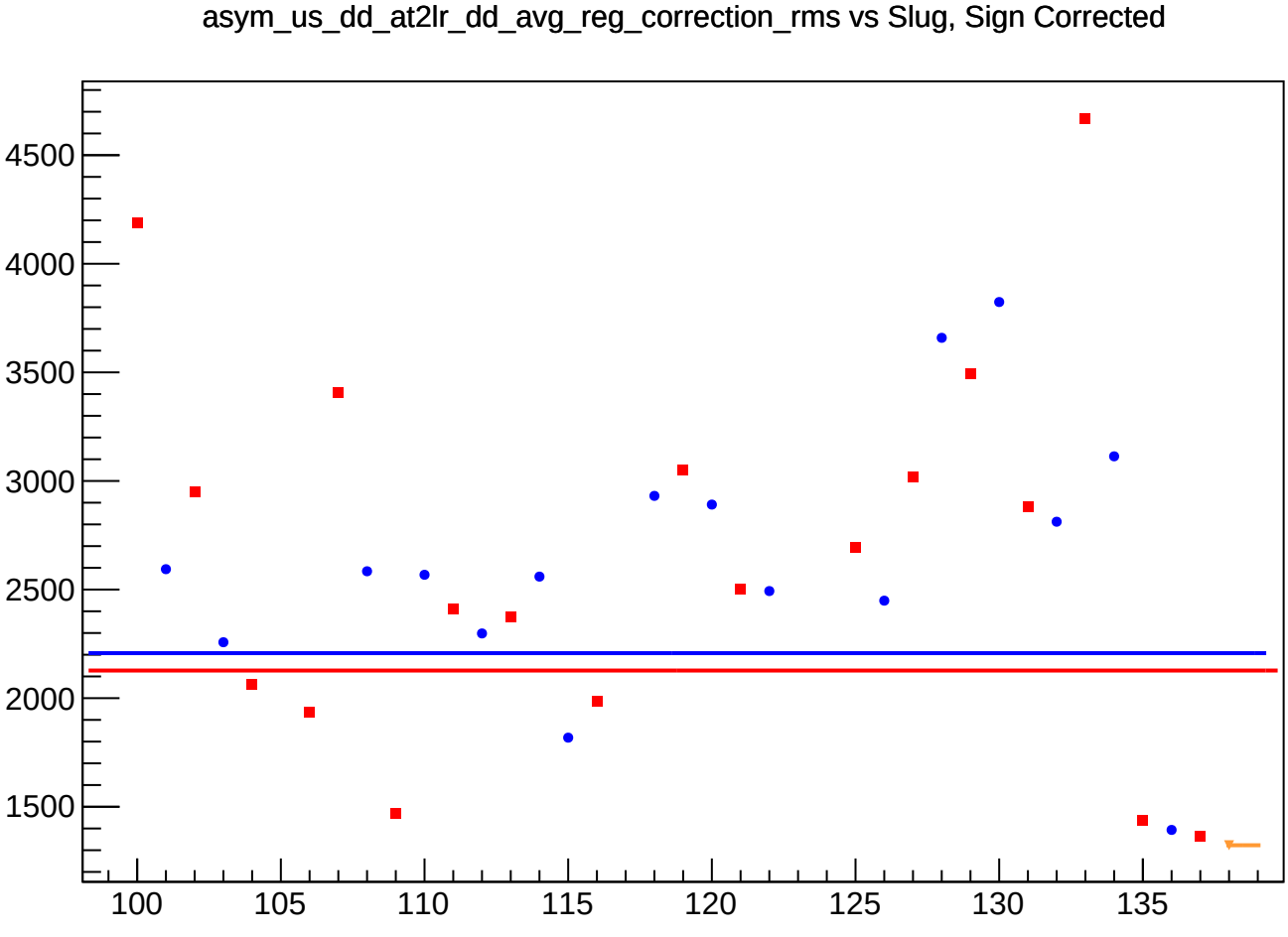
Left: 912.169+/-1511.698 χ^2/NDF: 0.0/0

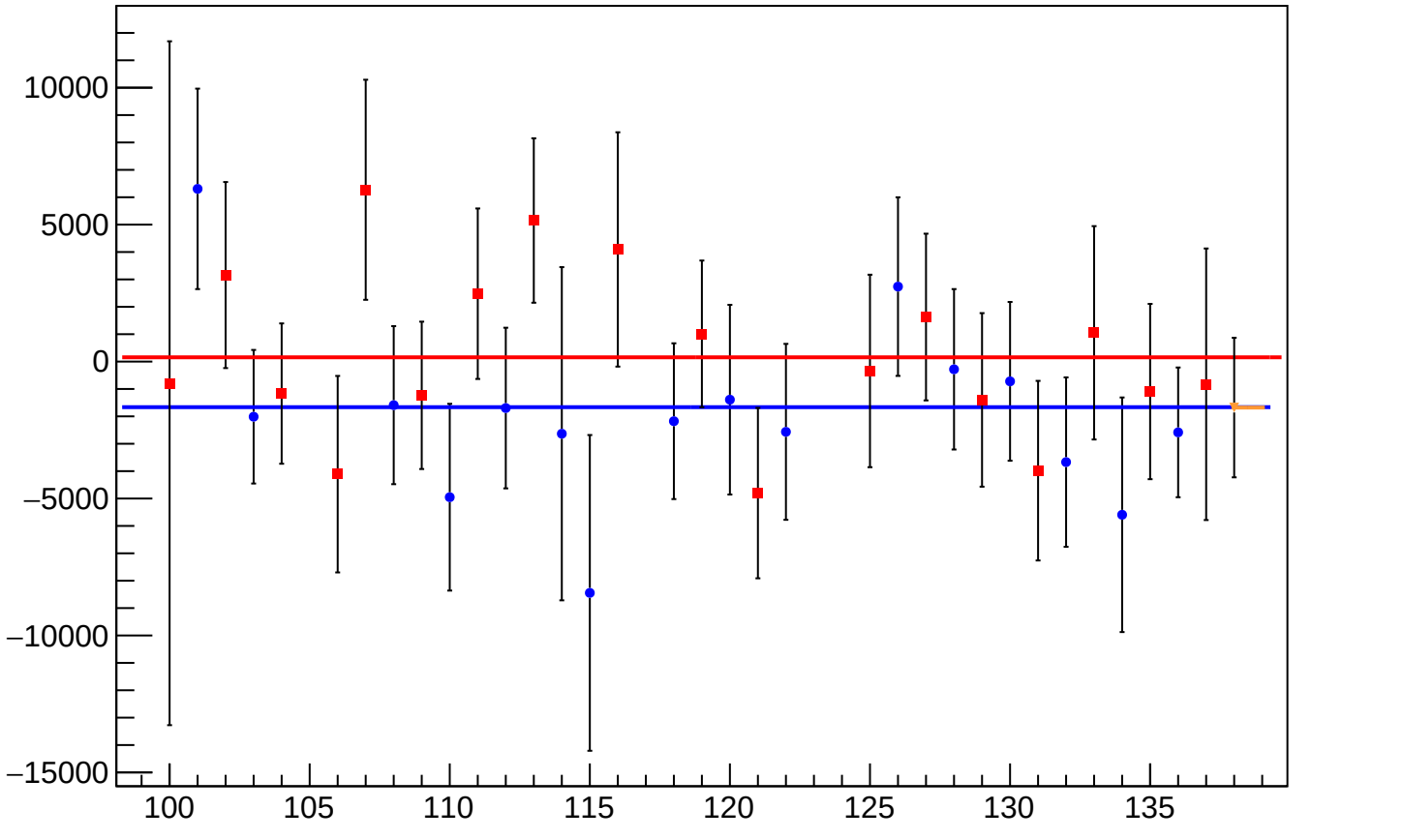
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -1630.474+/-862.417 χ^2/NDF:22.9/15

Out: 1255.673+/-734.536 χ^2/NDF:13.5/18

All: 42.244+/-559.198 χ^2/NDF: 42.9/34


asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
100
105
110
115
120
125
130
135
Right In: 2207.254+/-0.610 χ²/NDF: 1249266.5/15
Left Out: 1322.797+/-1.069 χ²/NDF:0.0/0
Right Out: 2127.224+/-0.594 χ²/NDF: 1458046.9/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1322.797+/-1.069 χ²/NDF: 0.0/0
Right: 2166.205+/-0.426 χ²/NDF: 2716147.2/33
In: 2207.254+/-0.610 χ²/NDF:1249266.5/15
Out: 1937.299+/-0.519 χ²/NDF:1890669.4/18
All: 2050.797+/-0.395 χ²/NDF: 3253510.8/34



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -1679.081+/-2547.592 χ^2/NDF:0.0/0

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

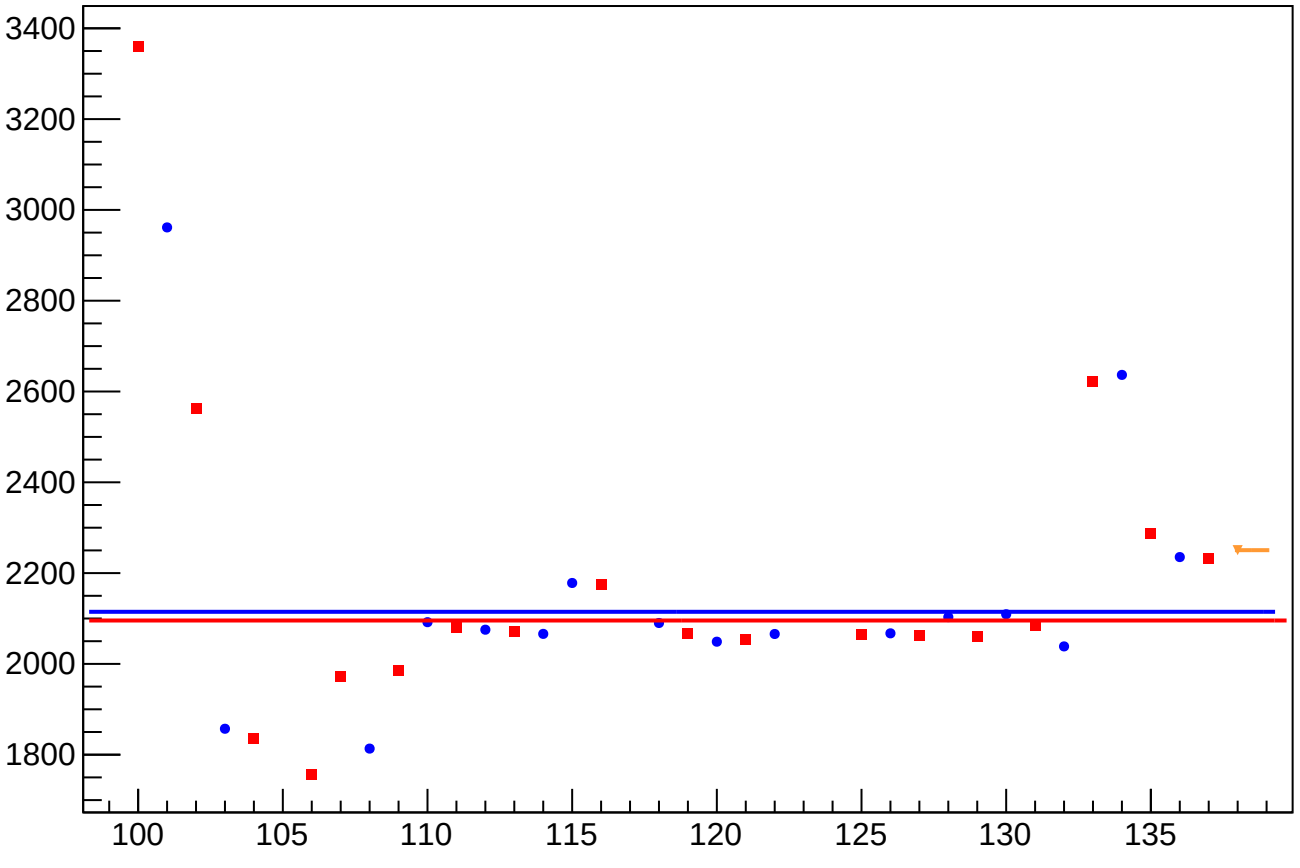
Left: -1679.081+/-2547.592 χ^2/NDF: 0.0/0

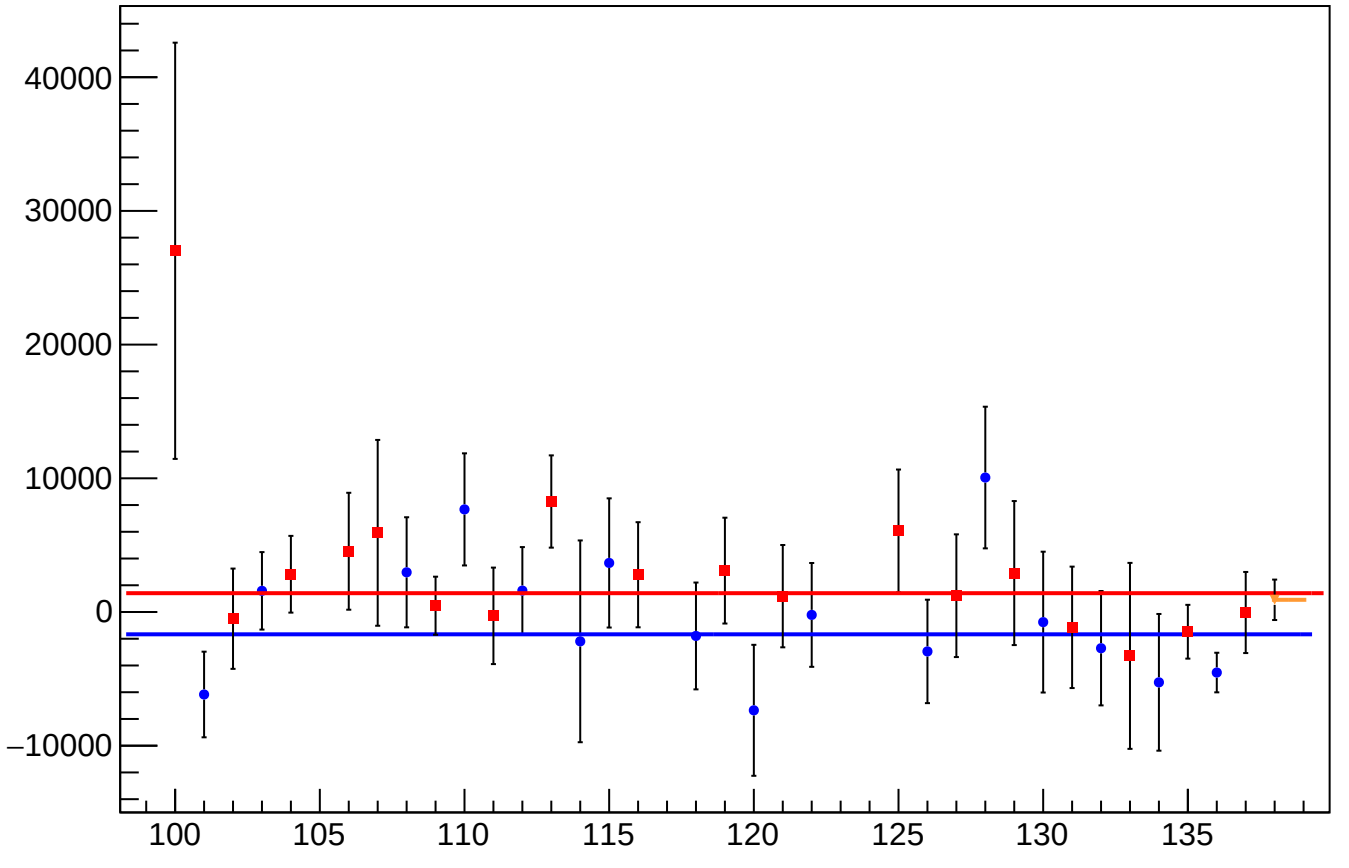
Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1664.231+/-792.164 χ^2/NDF:10.8/15

Out: -3.510+/-750.613 χ^2/NDF:14.7/18

All: -789.176+/-544.861 χ^2/NDF: 27.8/34


cor_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
105
110
115
120
125
130
135
Right In: 2114.755+/-0.560 χ²/NDF: 189920.9/15
Left Out: 2250.515+/-0.000 χ²/NDF:0.0/0
Right Out: 2095.597+/-0.555 χ²/NDF: 149360.5/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 2250.515+/-1.801 χ²/NDF: 0.0/0
Right: 2105.095+/-0.394 χ²/NDF: 339871.2/33
In: 2114.755+/-0.560 χ²/NDF:189920.9/15
Out: 2109.045+/-0.531 χ²/NDF:156114.1/18
All: 2111.746+/-0.385 χ²/NDF: 346089.7/34



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: 912.097+/-1511.688 χ^2/NDF:0.0/0

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

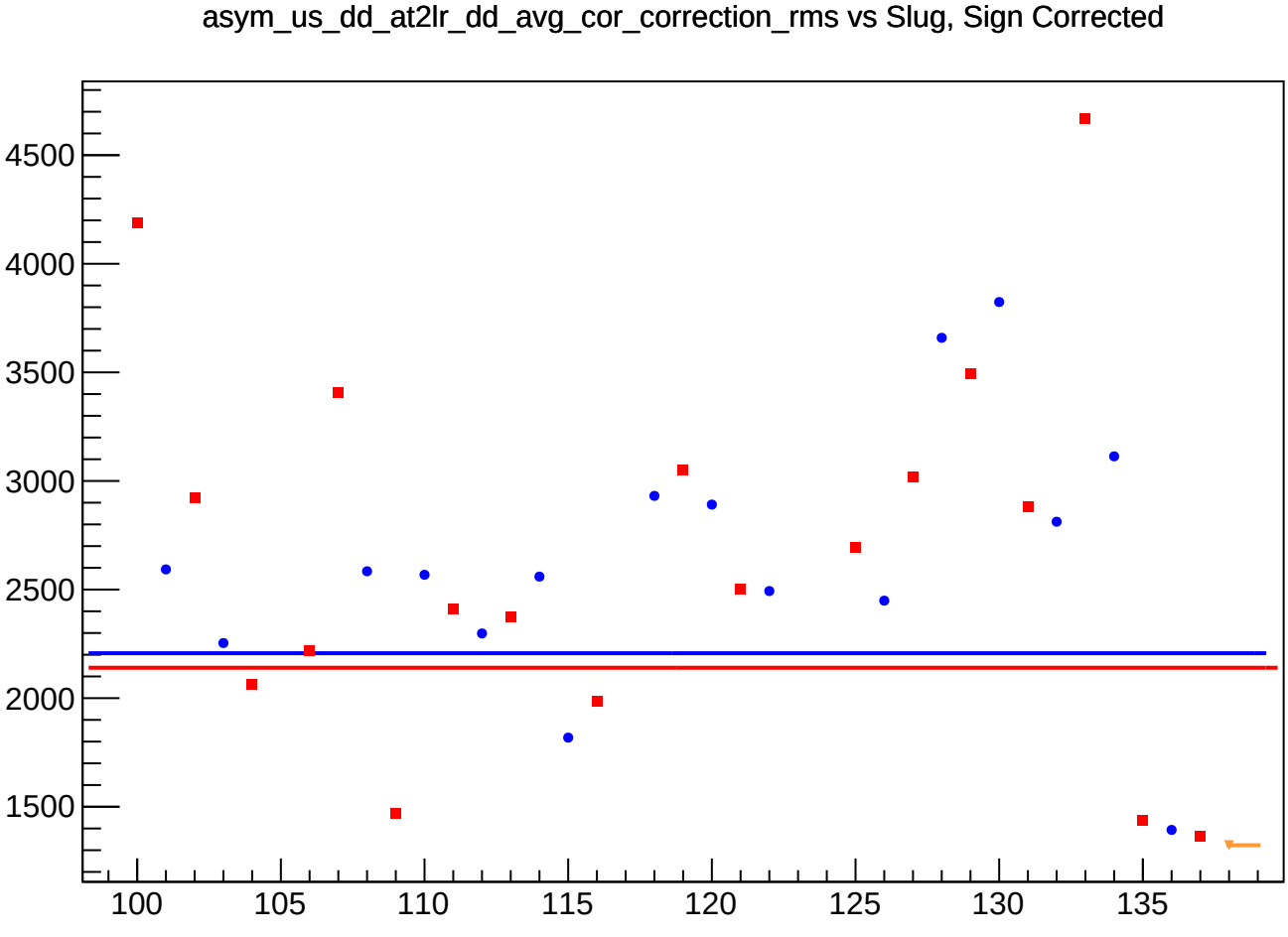
Left: 912.097+/-1511.688 χ^2/NDF: 0.0/0

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -1668.482+/-862.126 χ^2/NDF:22.5/15

Out: 1289.481+/-738.963 χ^2/NDF:13.1/18

All: 36.700+/-561.063 χ^2/NDF: 42.3/34



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1322.789+/-1.069 χ^2/NDF:0.0/0

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

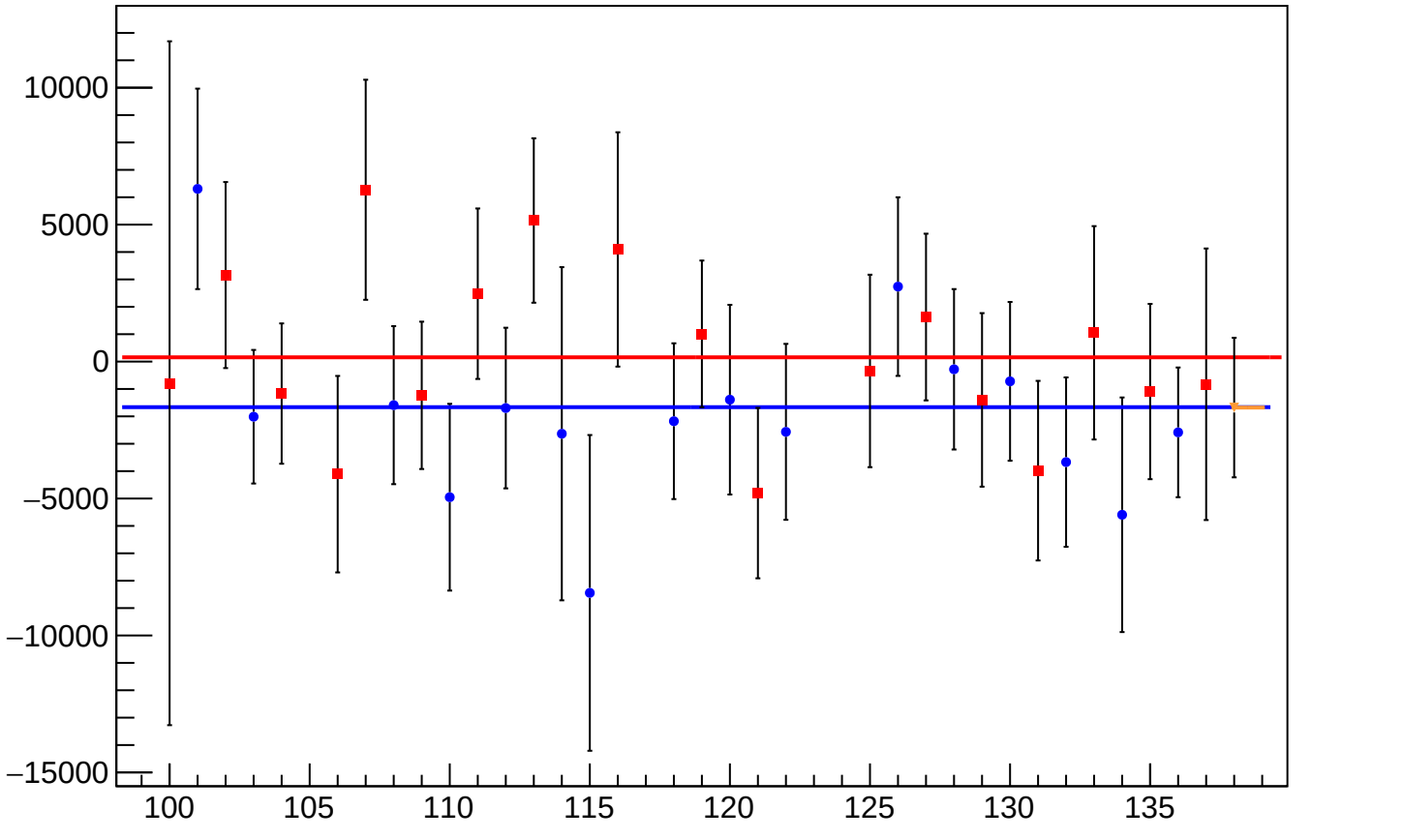
Left: 1322.789+/-1.069 χ^2/NDF: 0.0/0

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 2206.918+/-0.610 χ^2/NDF:1249024.4/15

Out: 1944.767+/-0.523 χ^2/NDF:1893250.2/18

All: 2055.795+/-0.397 χ^2/NDF: 3248877.7/34



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -1679.081+/-2547.592 χ^2/NDF:0.0/0

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

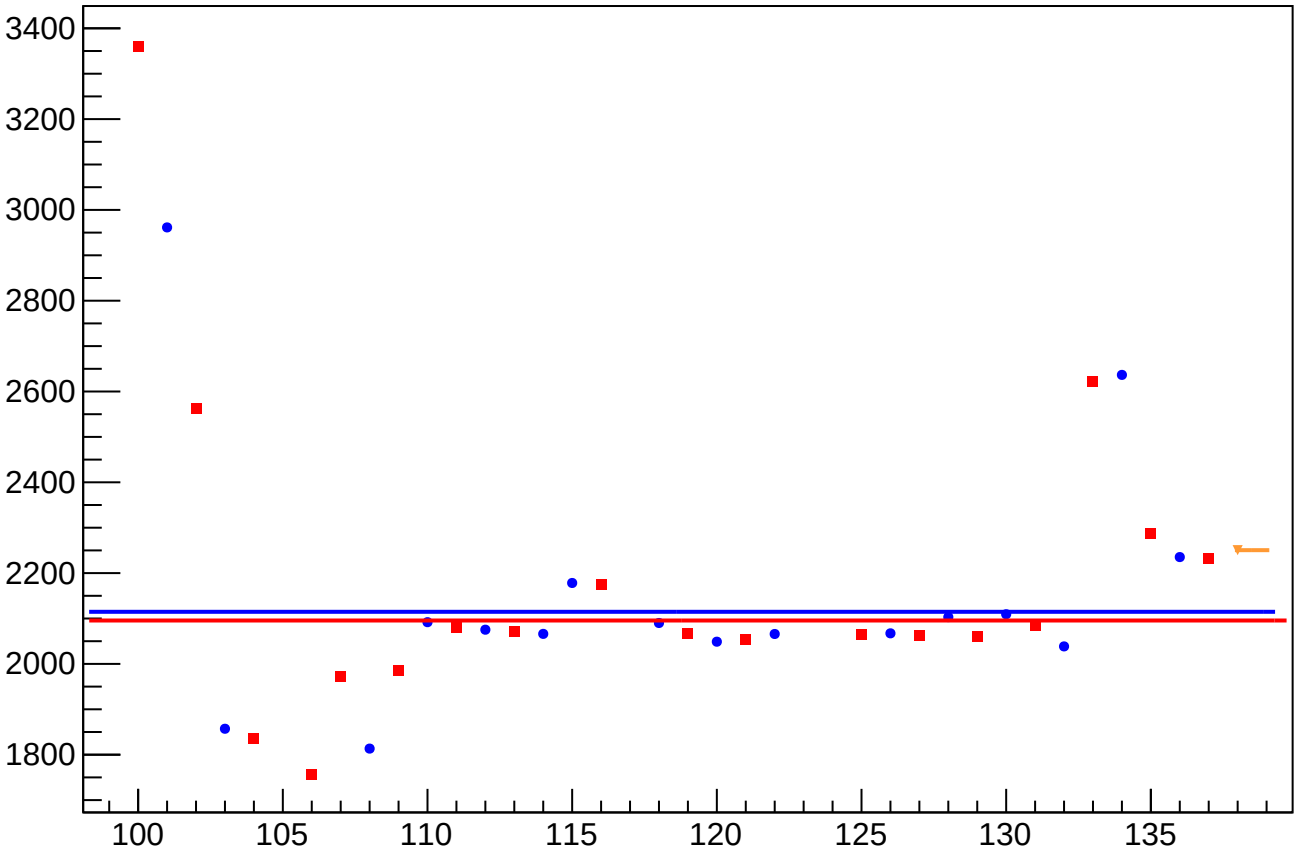
Left: -1679.081+/-2547.592 χ^2/NDF: 0.0/0

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1664.231+/-792.164 χ^2/NDF:10.8/15

Out: -3.510+/-750.613 χ^2/NDF:14.7/18

All: -789.176+/-544.861 χ^2/NDF: 27.8/34



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2250.515+/-1.801 χ^2/NDF:0.0/0

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2250.515+/-1.801 χ^2/NDF: 0.0/0

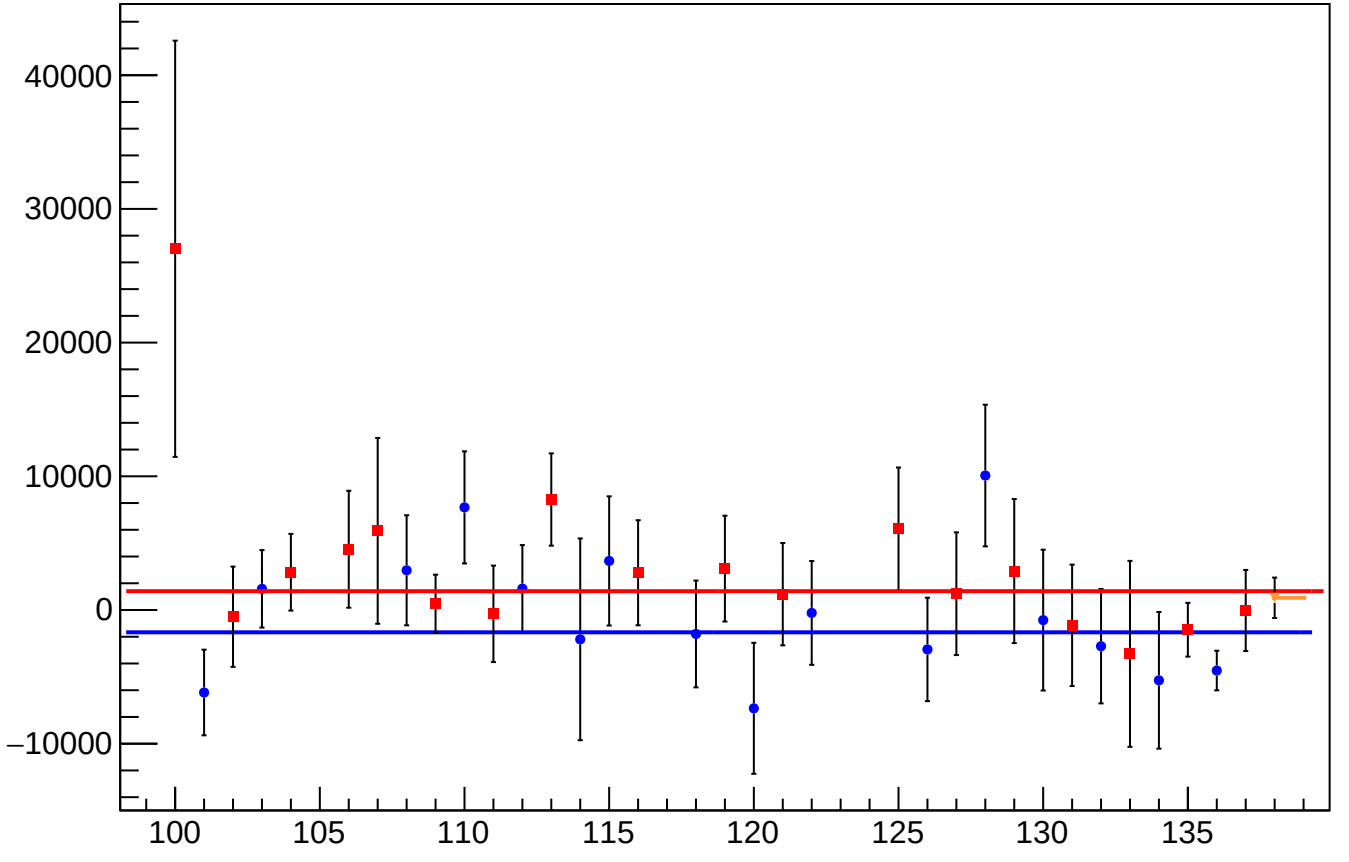
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2114.755+/-0.560 χ^2/NDF:189920.9/15

Out: 2109.045+/-0.531 χ^2/NDF:156114.1/18

All: 2111.746+/-0.385 χ^2/NDF: 346089.7/34

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: 912.097+/-1511.688 χ^2/NDF:0.0/0

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

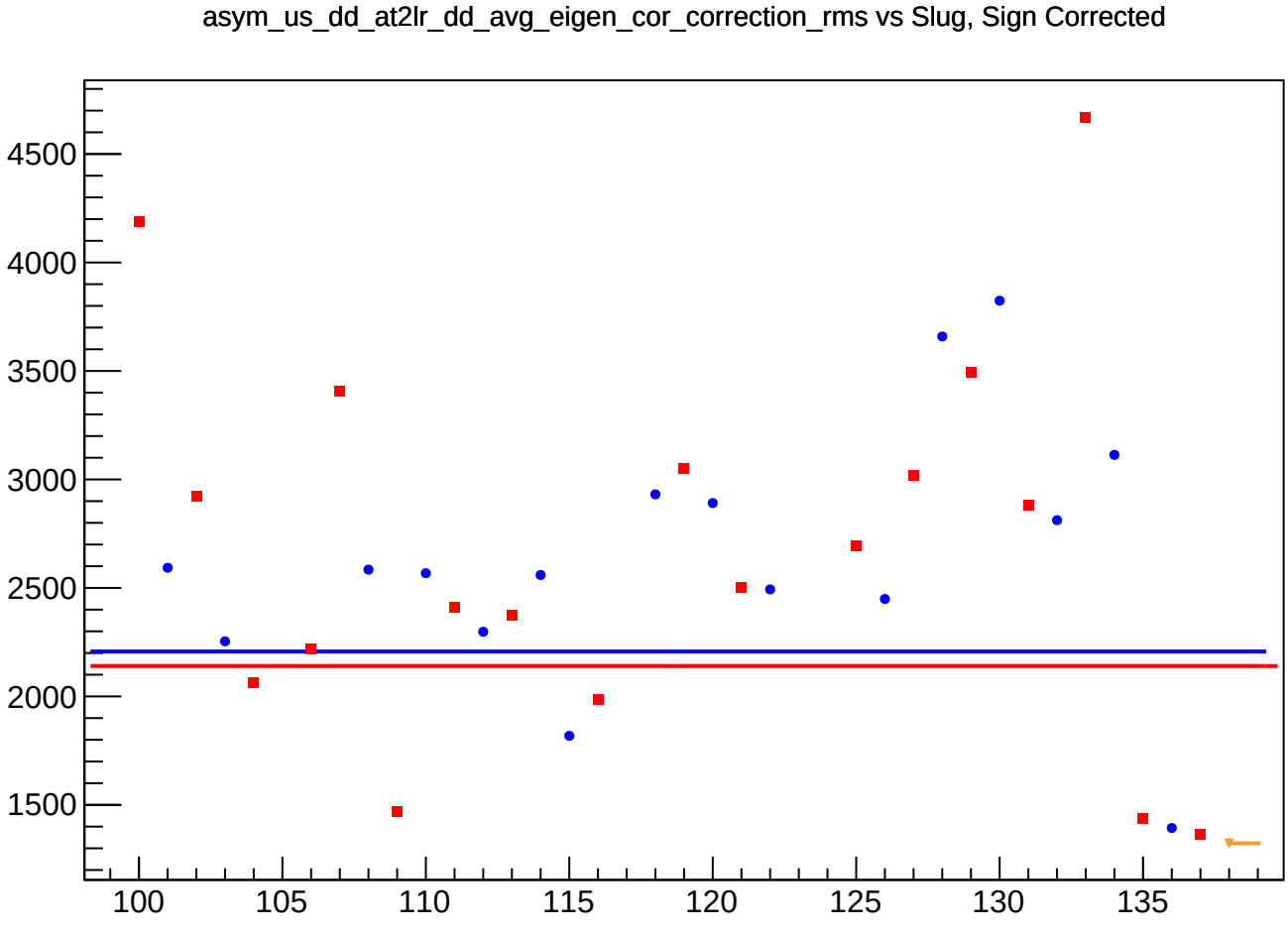
Left: 912.097+/-1511.688 χ^2/NDF: 0.0/0

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -1668.482+/-862.126 χ^2/NDF:22.5/15

Out: 1289.481+/-738.963 χ^2/NDF:13.1/18

All: 36.700+/-561.063 χ^2/NDF: 42.3/34


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
4500
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125
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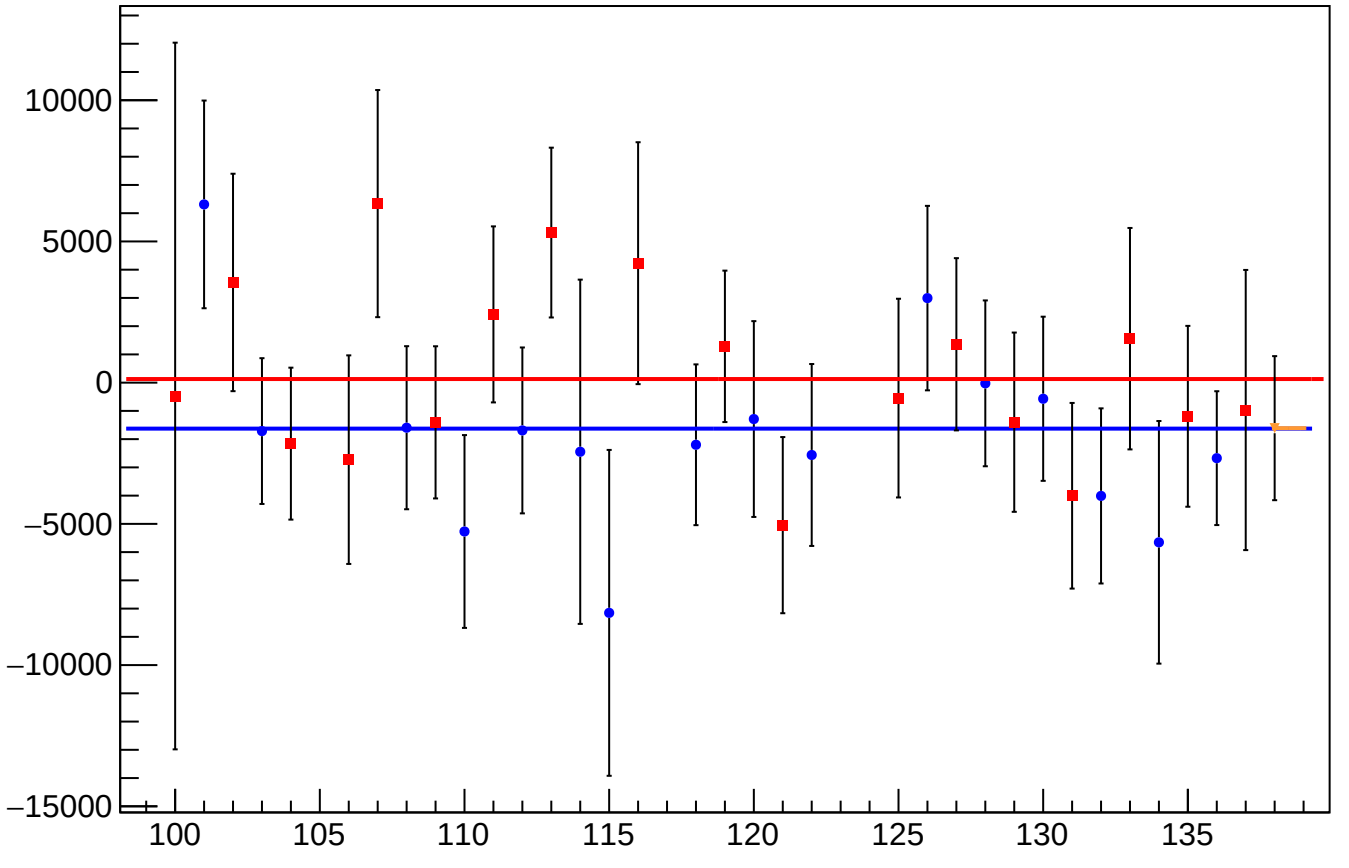
135
Right In: 2206.918+/-0.610 χ²/NDF: 1249024.4/15
Left Out: 1322.789+/-1.069 χ²/NDF:0.0/0
Right Out: 2140.060+/-0.599 χ²/NDF: 1448366.8/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1322.789+/-1.069 χ²/NDF: 0.0/0
Right: 2172.900+/-0.427 χ²/NDF: 2703511.1/33
In: 2206.918+/-0.610 χ²/NDF:1249024.4/15
Out: 1944.767+/-0.523 χ²/NDF:1893250.2/18
All: 2055.795+/-0.397 χ²/NDF: 3248877.7/34



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -1611.185+/-2550.150 χ^2/NDF:0.0/0

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

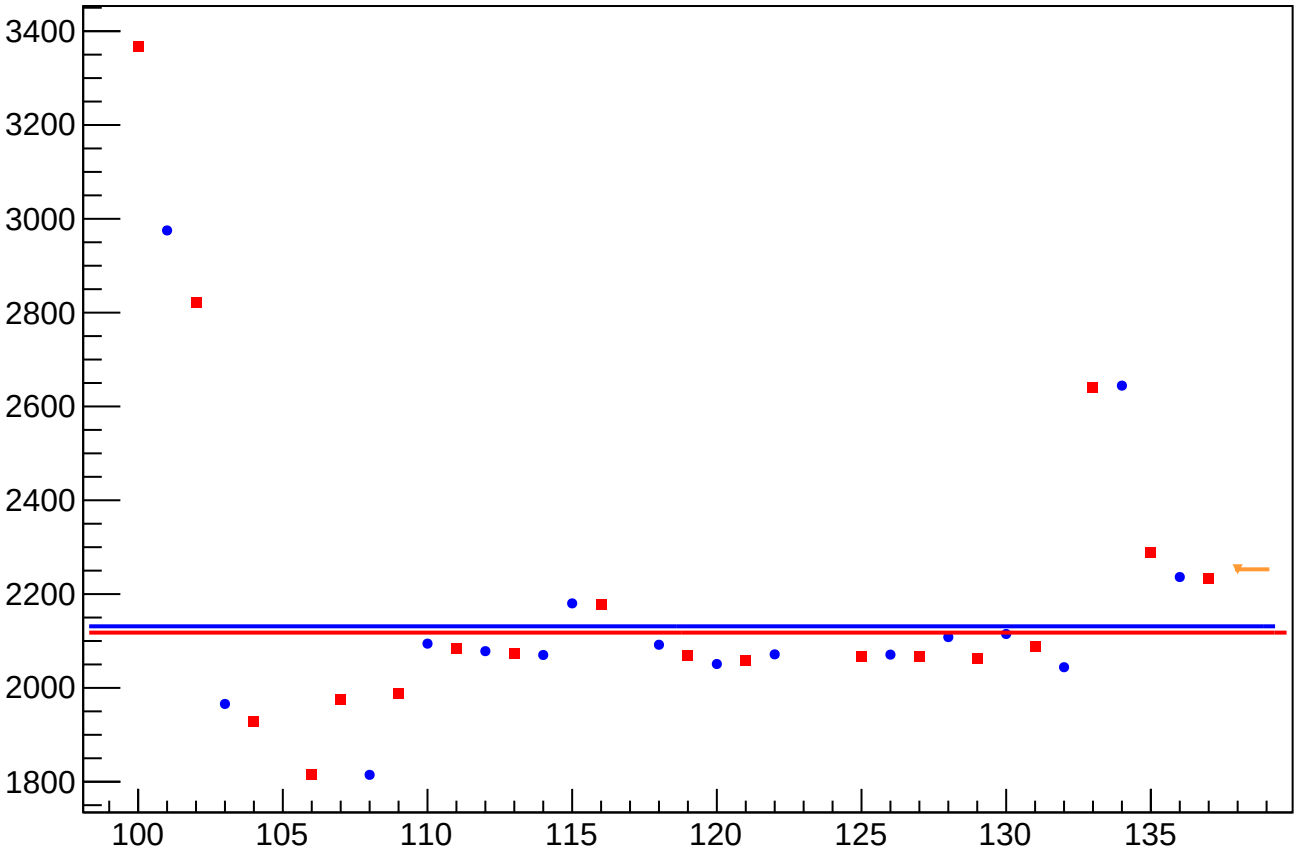
Left: -1611.185+/-2550.150 χ^2/NDF: 0.0/0

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1627.635+/-797.966 χ^2/NDF:11.3/15

Out: -26.279+/-759.756 χ^2/NDF:15.0/18

All: -787.700+/-550.241 χ^2/NDF: 28.4/34



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2252.771+/-1.803 χ^2/NDF:0.0/0

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2252.771+/-1.803 χ^2/NDF: 0.0/0

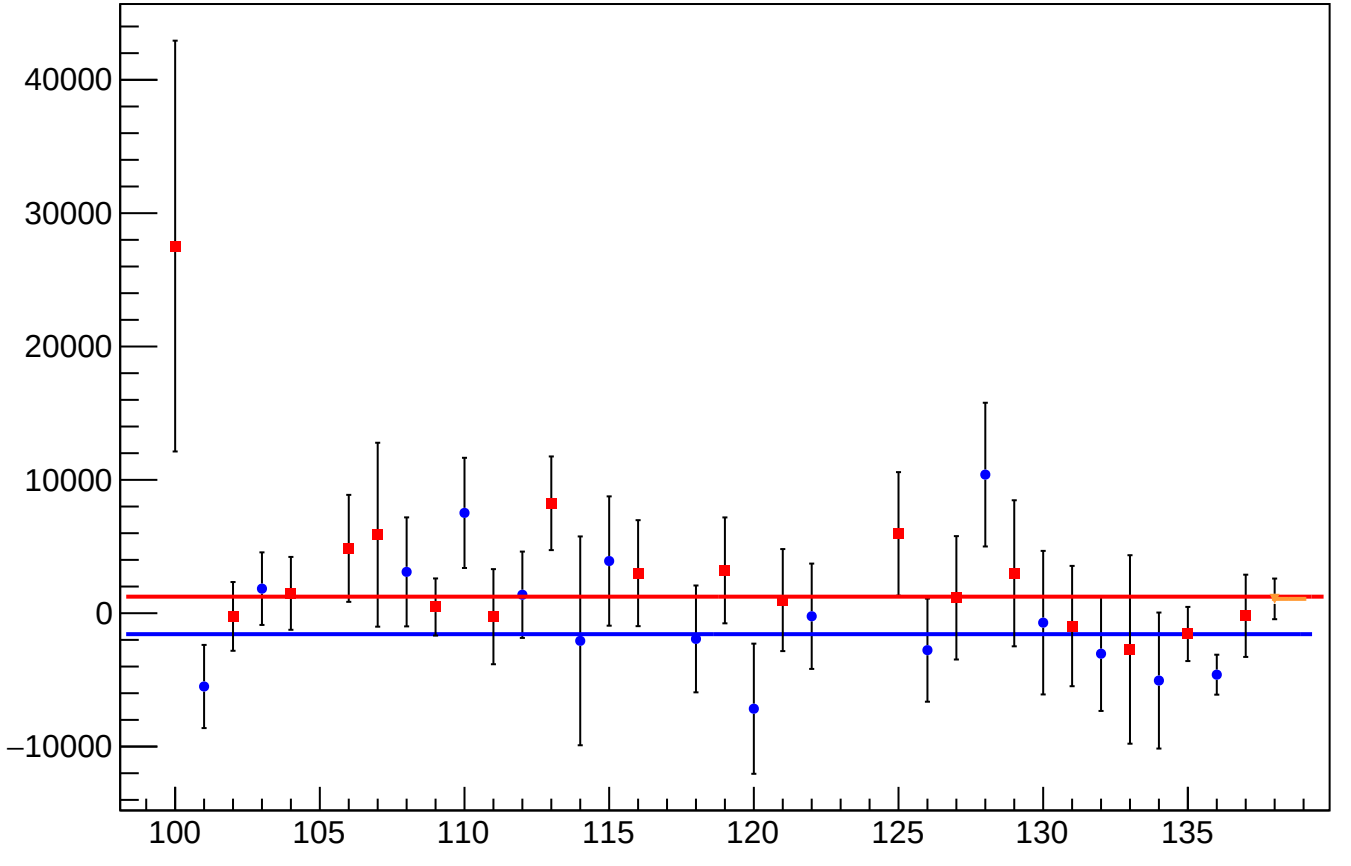
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2131.298+/-0.564 χ^2/NDF:175943.3/15

Out: 2129.841+/-0.537 χ^2/NDF:168722.8/18

All: 2130.534+/-0.389 χ^2/NDF: 344669.6/34

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: 1074.786+/-1523.942 χ^2/NDF:0.0/0

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1074.786+/-1523.942 χ^2/NDF: 0.0/0

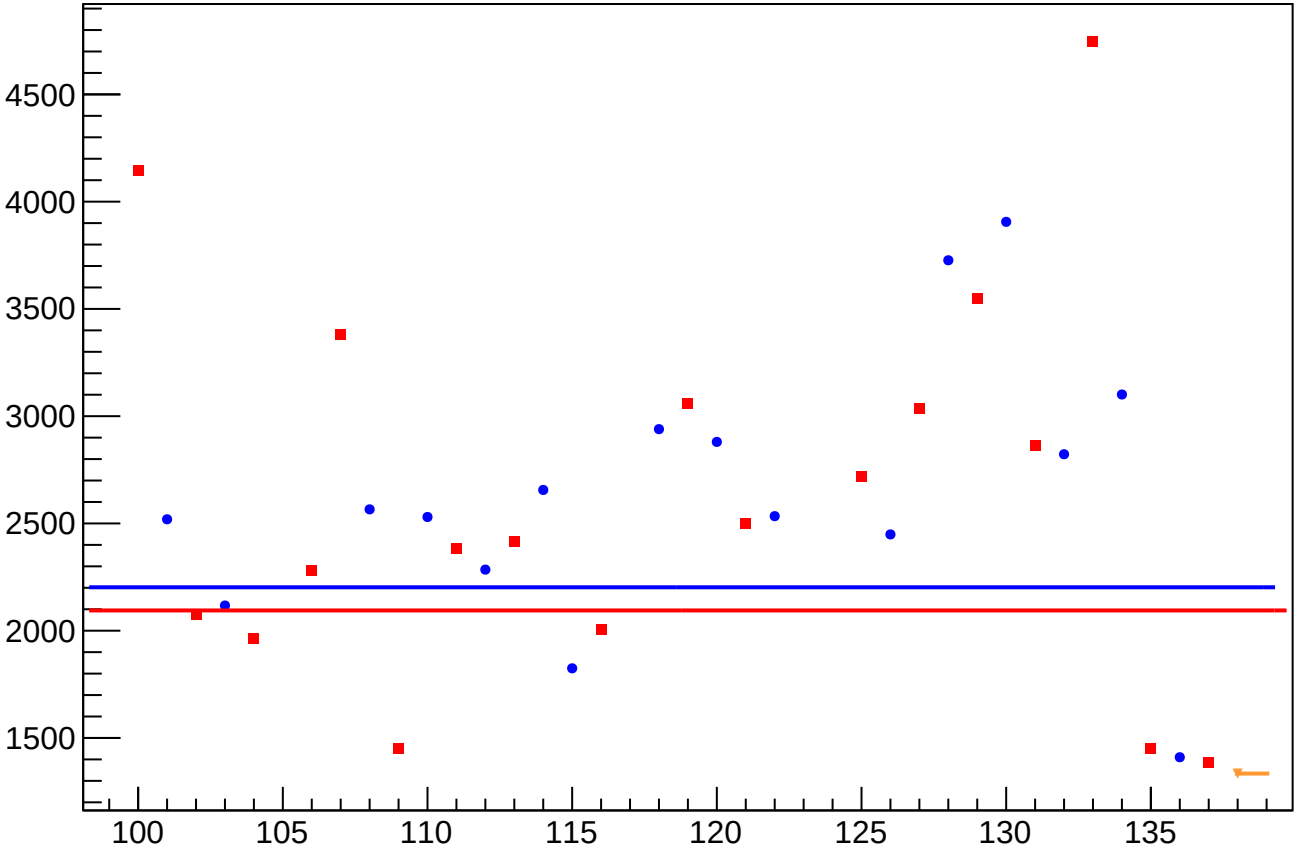
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -1571.073+/-859.754 χ^2/NDF:22.6/15

Out: 1203.703+/-721.948 χ^2/NDF:13.1/18

All: 56.246+/-552.877 χ^2/NDF: 41.8/34

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1334.023+/-1.078 χ^2/NDF:0.0/0

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

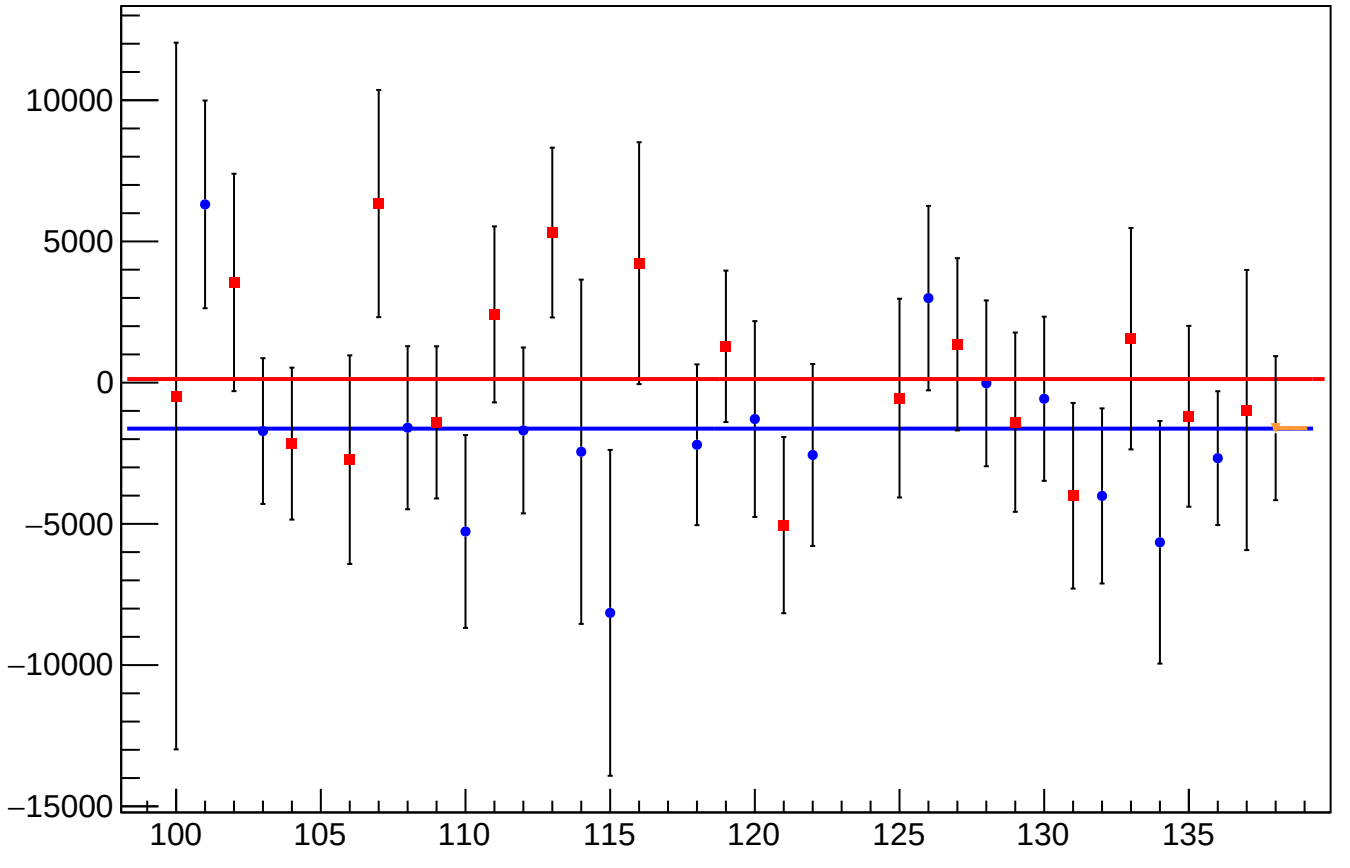
Left: 1334.023+/-1.078 χ^2/NDF: 0.0/0

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 2202.378+/-0.608 χ^2/NDF:1222965.0/15

Out: 1923.786+/-0.510 χ^2/NDF:1759888.4/18

All: 2038.993+/-0.391 χ^2/NDF: 3106012.4/34



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -1611.149+/-2550.150 χ^2/NDF:0.0/0

Right Out: 128.093+/-795.899 χ^2/NDF: 14.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

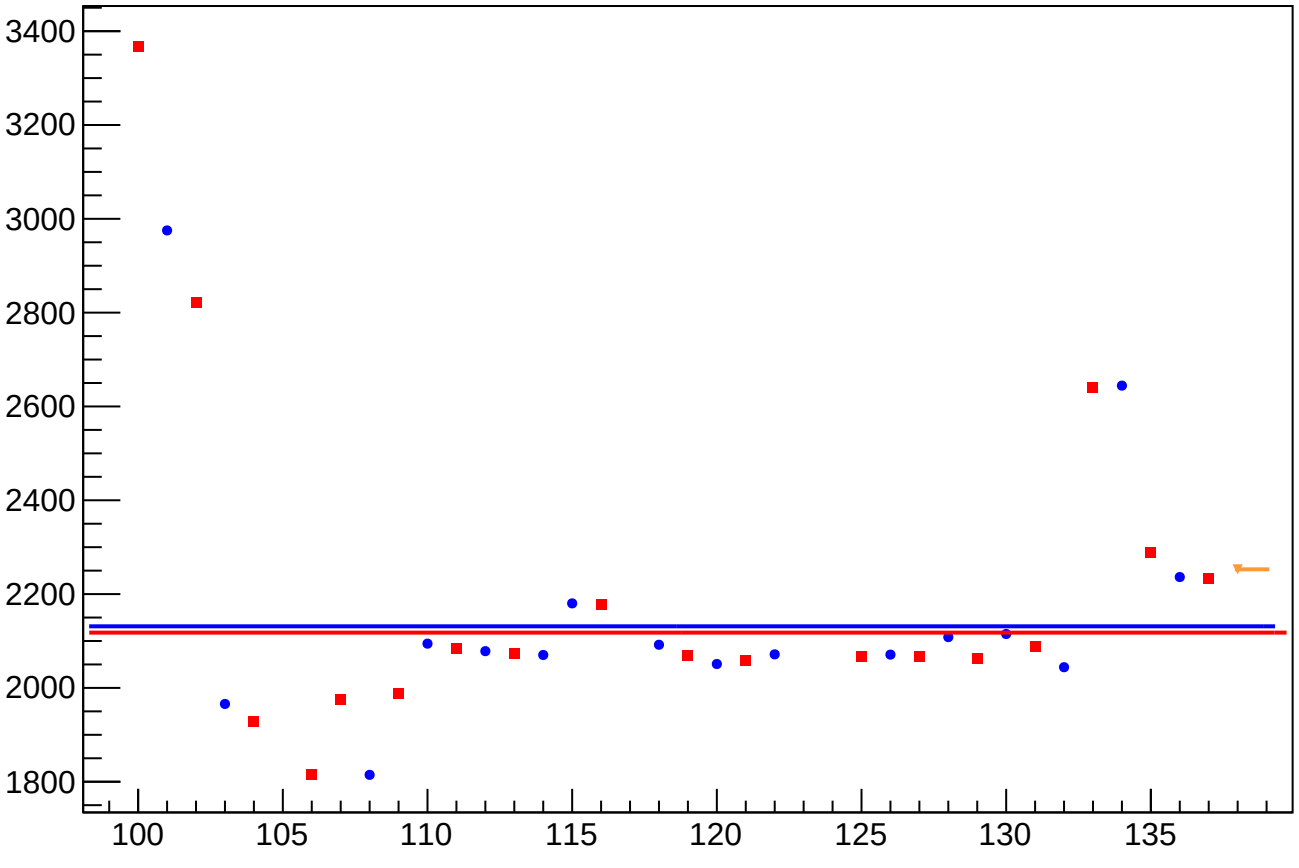
Left: -1611.149+/-2550.150 χ^2/NDF: 0.0/0

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

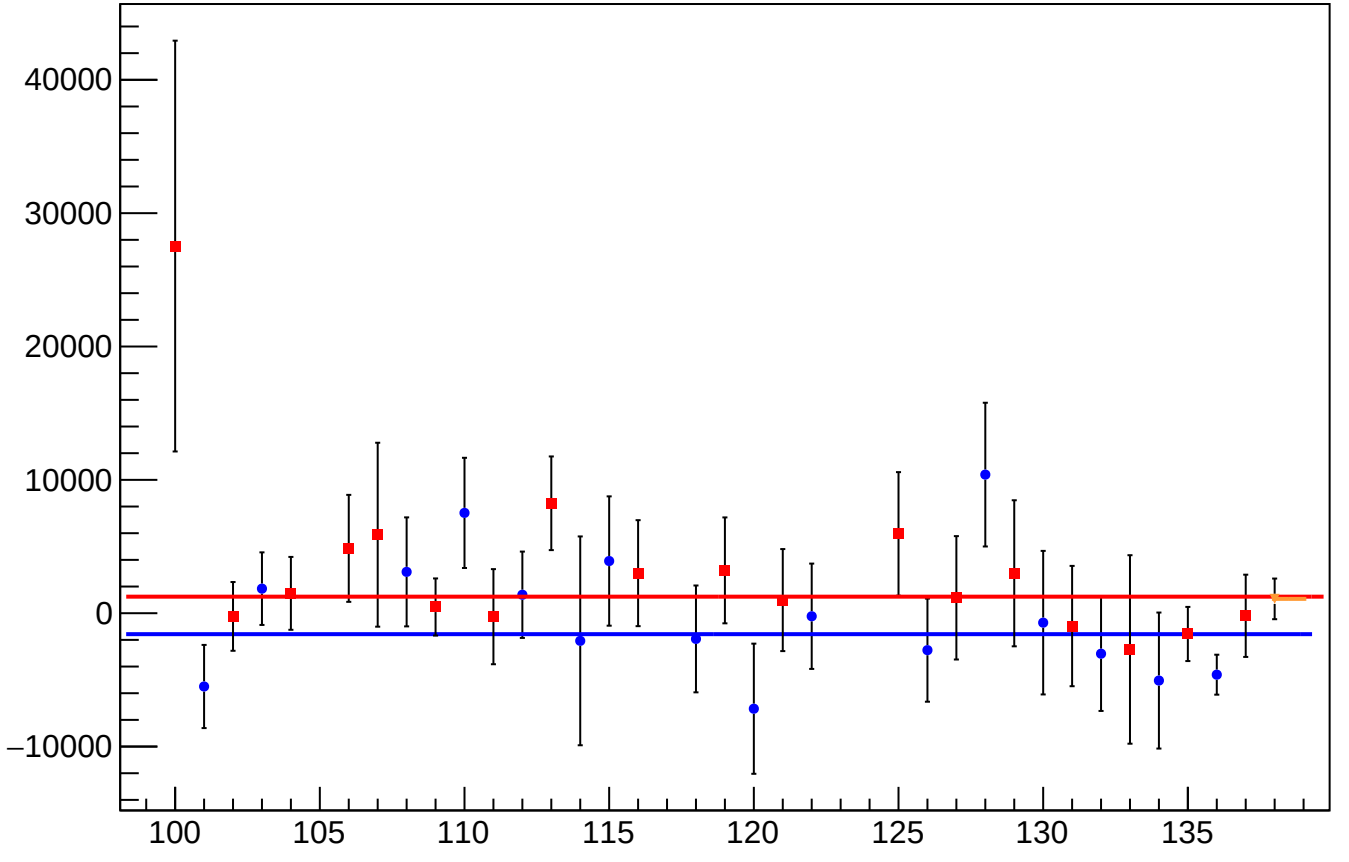
In: -1627.637+/-797.966 χ^2/NDF:11.3/15

Out: -26.282+/-759.756 χ^2/NDF:15.0/18

All: -787.703+/-550.241 χ^2/NDF: 28.4/34


eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
105
110
115
120
125
130
135
Right In: 2131.298+/-0.564 χ²/NDF: 175943.3/15
Left Out: 2252.771+/-0.563 χ²/NDF:0.0/0
Right Out: 2117.868+/-0.563 χ²/NDF: 163622.6/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 2252.771+/-1.803 χ²/NDF: 0.0/0
Right: 2124.565+/-0.398 χ²/NDF: 339849.9/33
In: 2131.298+/-0.564 χ²/NDF:175943.3/15
Out: 2129.841+/-0.537 χ²/NDF:168722.7/18
All: 2130.534+/-0.389 χ²/NDF: 344669.5/34

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: 1074.816+/-1523.976 χ^2/NDF:0.0/0

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1074.816+/-1523.976 χ^2/NDF: 0.0/0

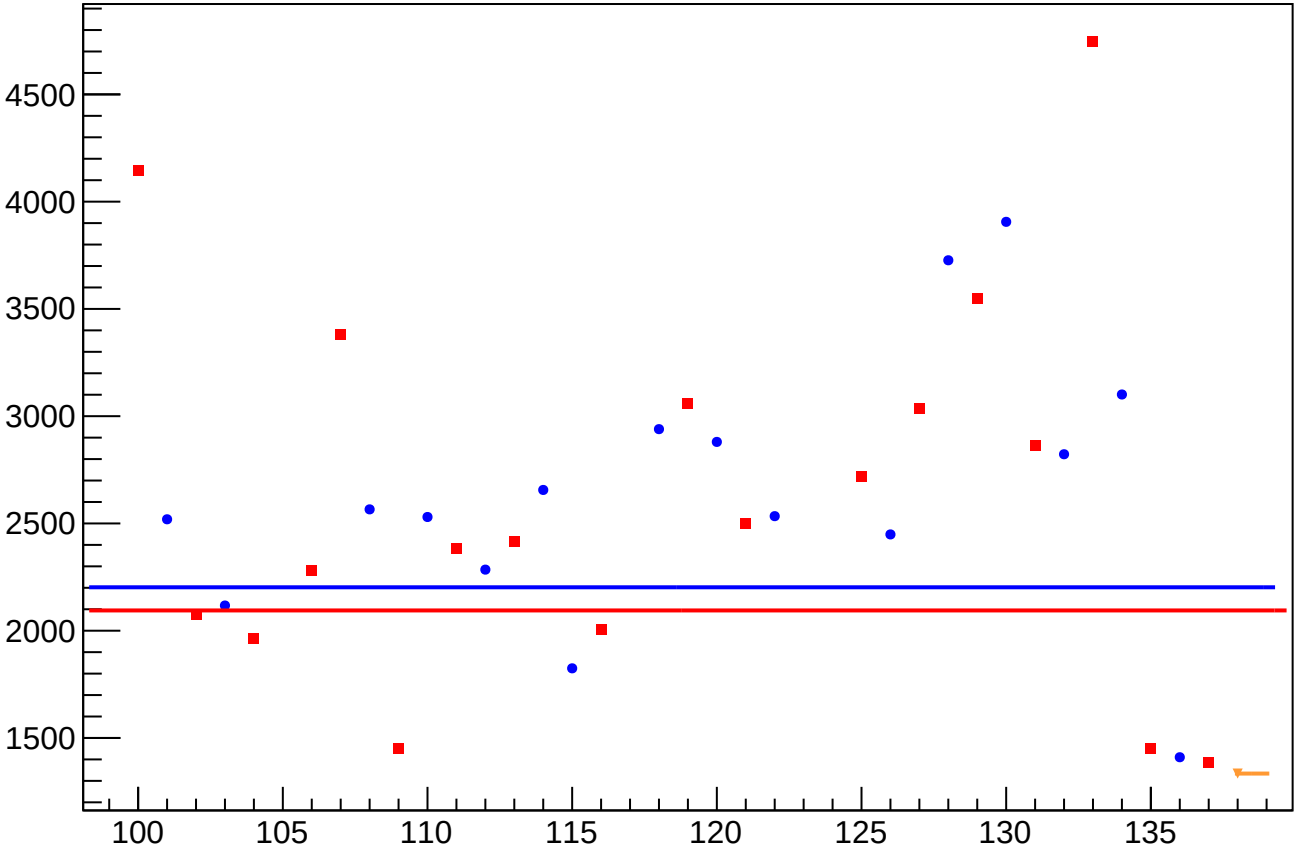
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -1571.058+/-859.757 χ^2/NDF:22.6/15

Out: 1203.723+/-721.954 χ^2/NDF:13.1/18

All: 56.257+/-552.880 χ^2/NDF: 41.8/34

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: 1334.052+/-1.078 χ^2/NDF:0.0/0

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

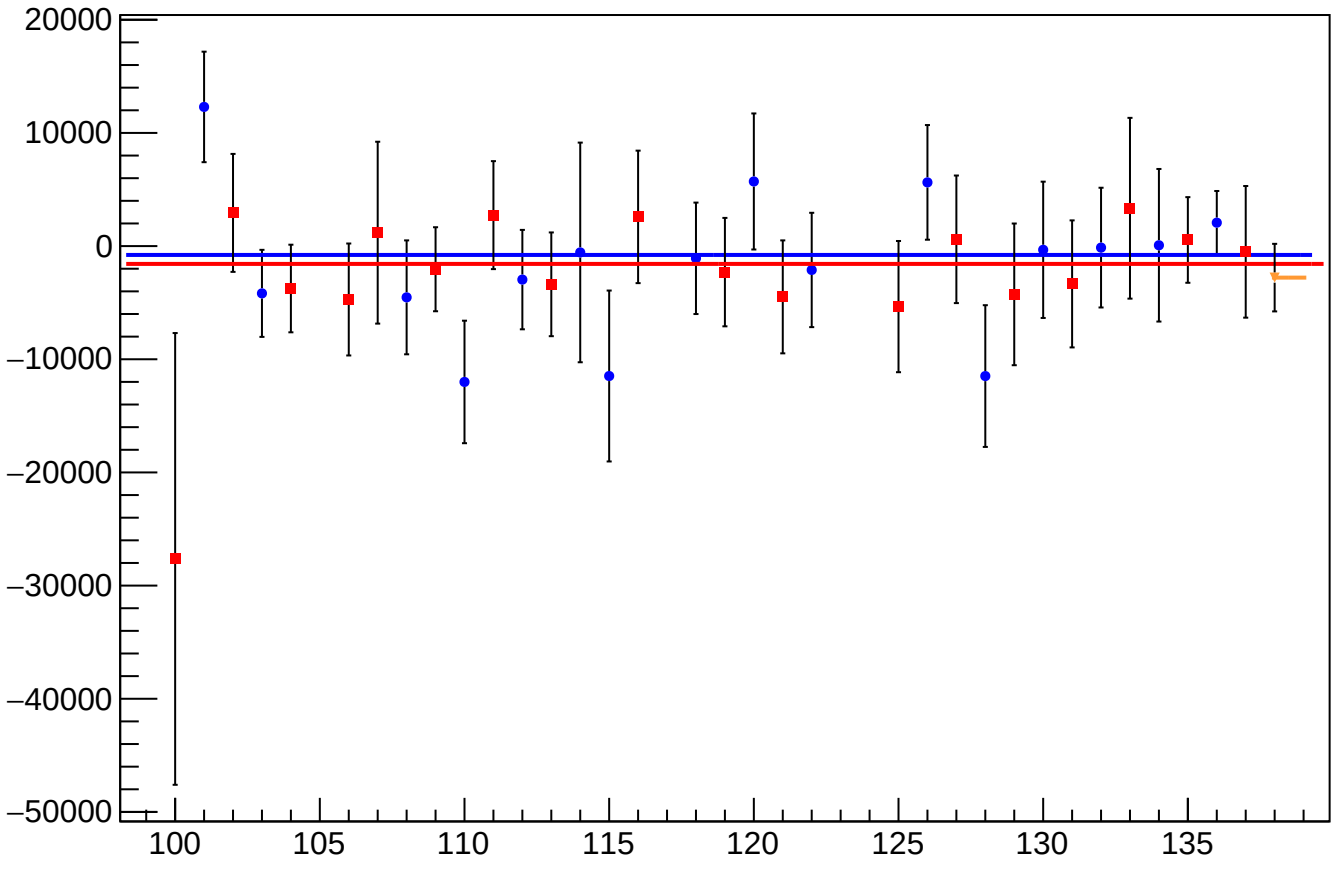
Left: 1334.052+/-1.078 χ^2/NDF: 0.0/0

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 2202.391+/-0.608 χ^2/NDF:1222905.3/15

Out: 1923.807+/-0.510 χ^2/NDF:1759809.6/18

All: 2039.011+/-0.391 χ^2/NDF: 3105865.0/34



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: -2785.787+/-2984.806 χ^2/NDF:0.0/0

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

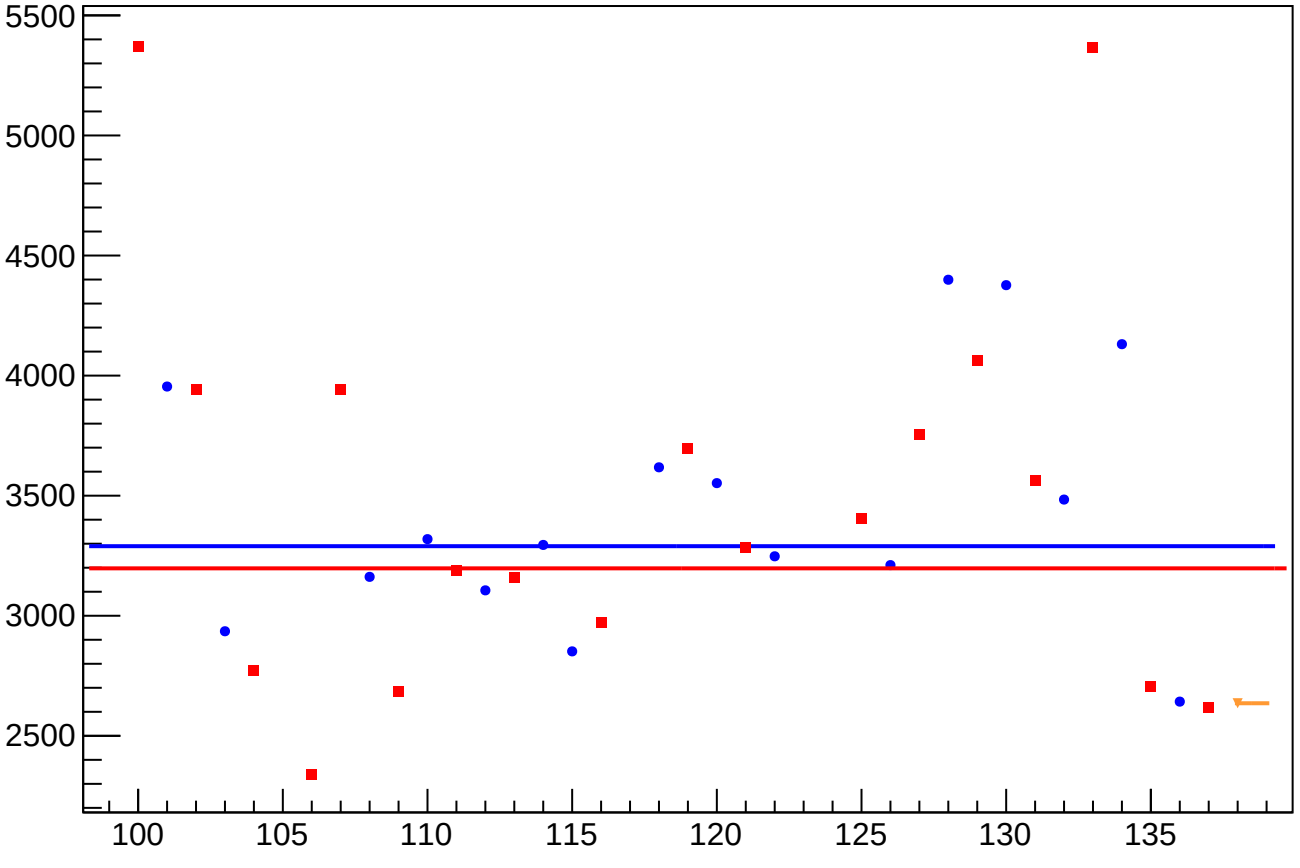
Left: -2785.787+/-2984.806 χ^2/NDF: 0.0/0

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -781.619+/-1241.711 χ^2/NDF:21.9/15

Out: -1747.792+/-1128.483 χ^2/NDF:6.9/18

All: -1310.756+/-835.125 χ^2/NDF: 29.1/34



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2635.630+/-2.111 χ^2/NDF:0.0/0

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

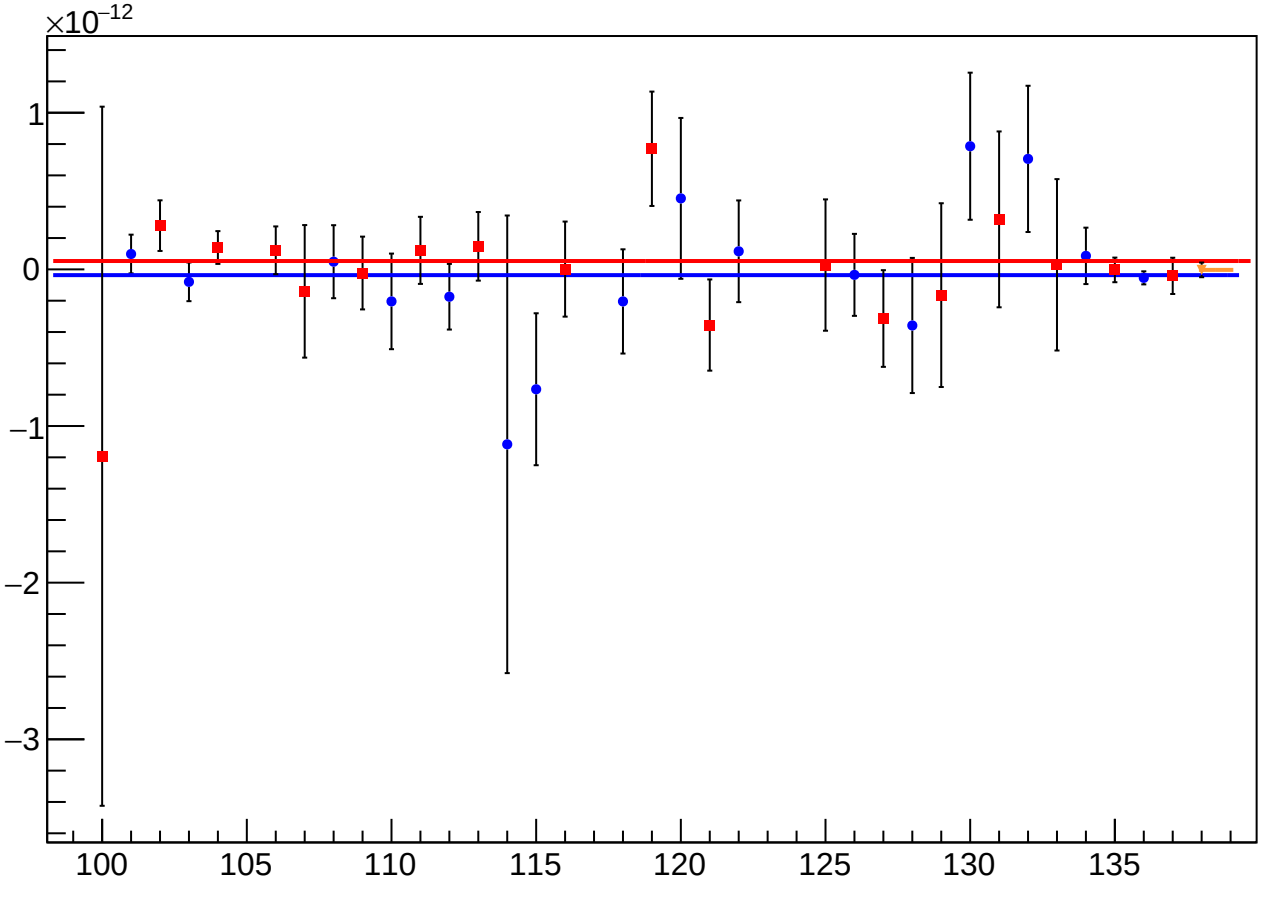
Left: 2635.630+/-2.111 χ^2/NDF: 0.0/0

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 3289.690+/-0.878 χ^2/NDF:347594.0/15

Out: 3117.081+/-0.798 χ^2/NDF:560648.1/18

All: 3195.157+/-0.591 χ^2/NDF: 929407.8/34



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

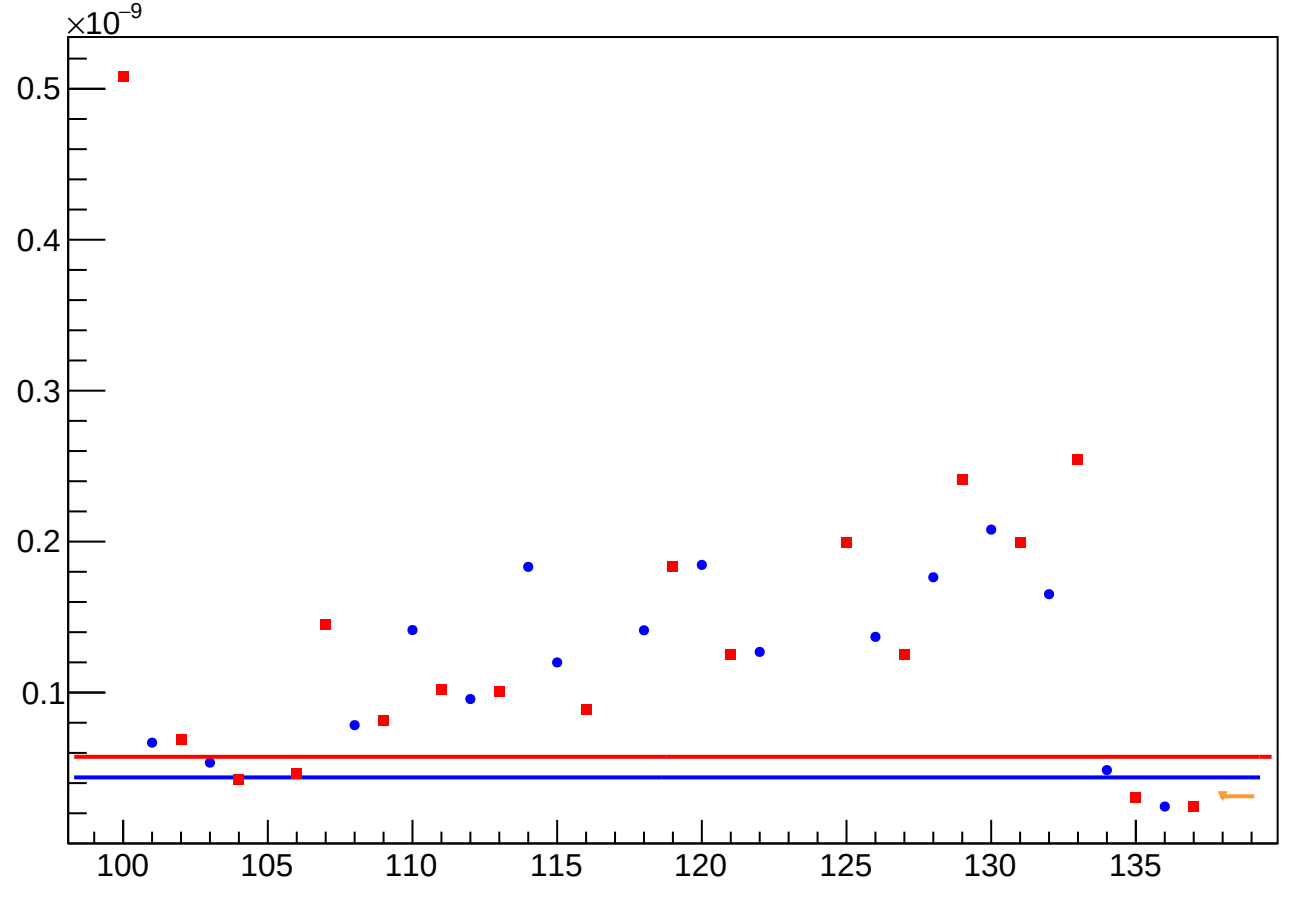
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:13.2/15

Out: 0.000+/-0.000 χ^2/NDF:13.4/18

All: -0.000+/-0.000 χ^2/NDF: 28.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

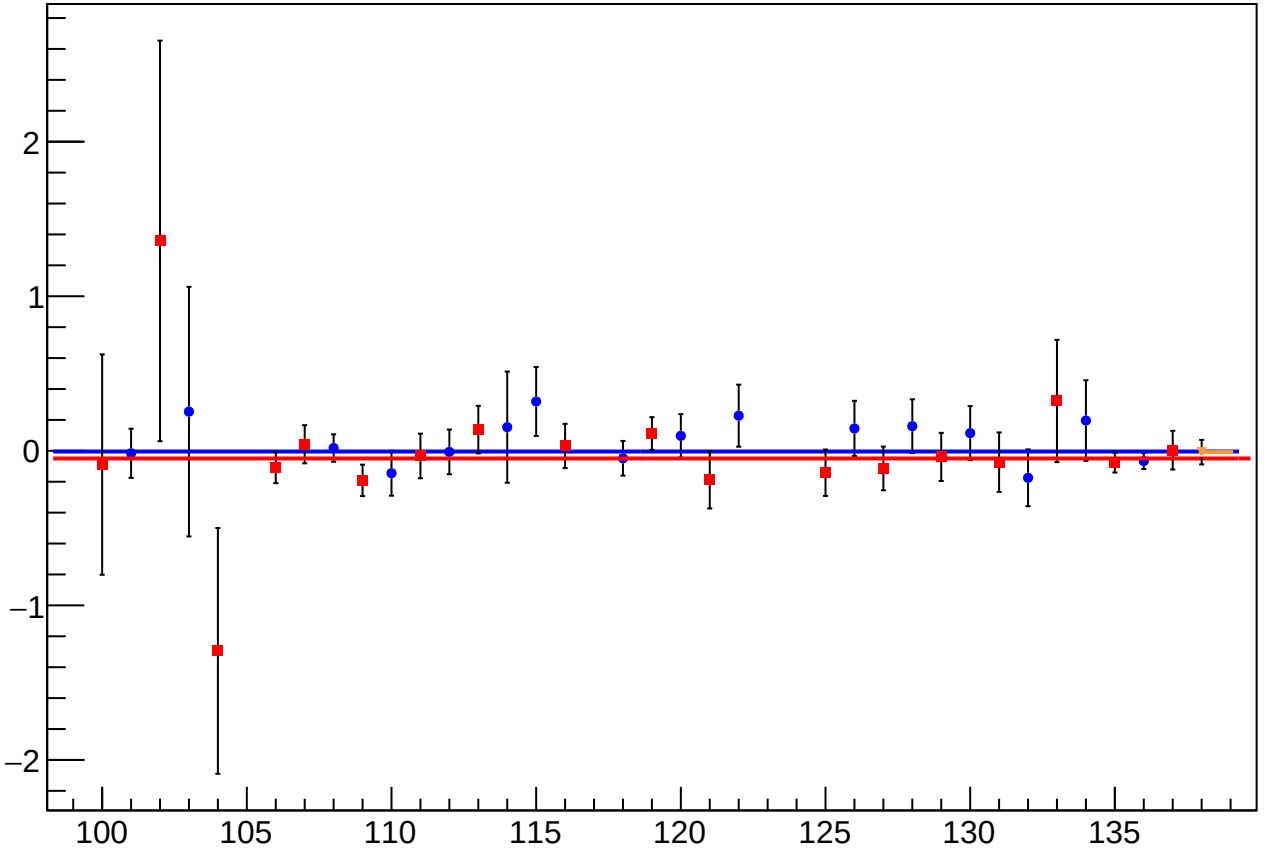
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:2227887.7/15

Out: 0.000+/-0.000 χ^2/NDF:2422808.3/18

All: 0.000+/-0.000 χ^2/NDF: 4652968.3/34

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: -0.009+/-0.080 χ^2/NDF:0.0/0

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.009+/-0.080 χ^2/NDF: 0.0/0

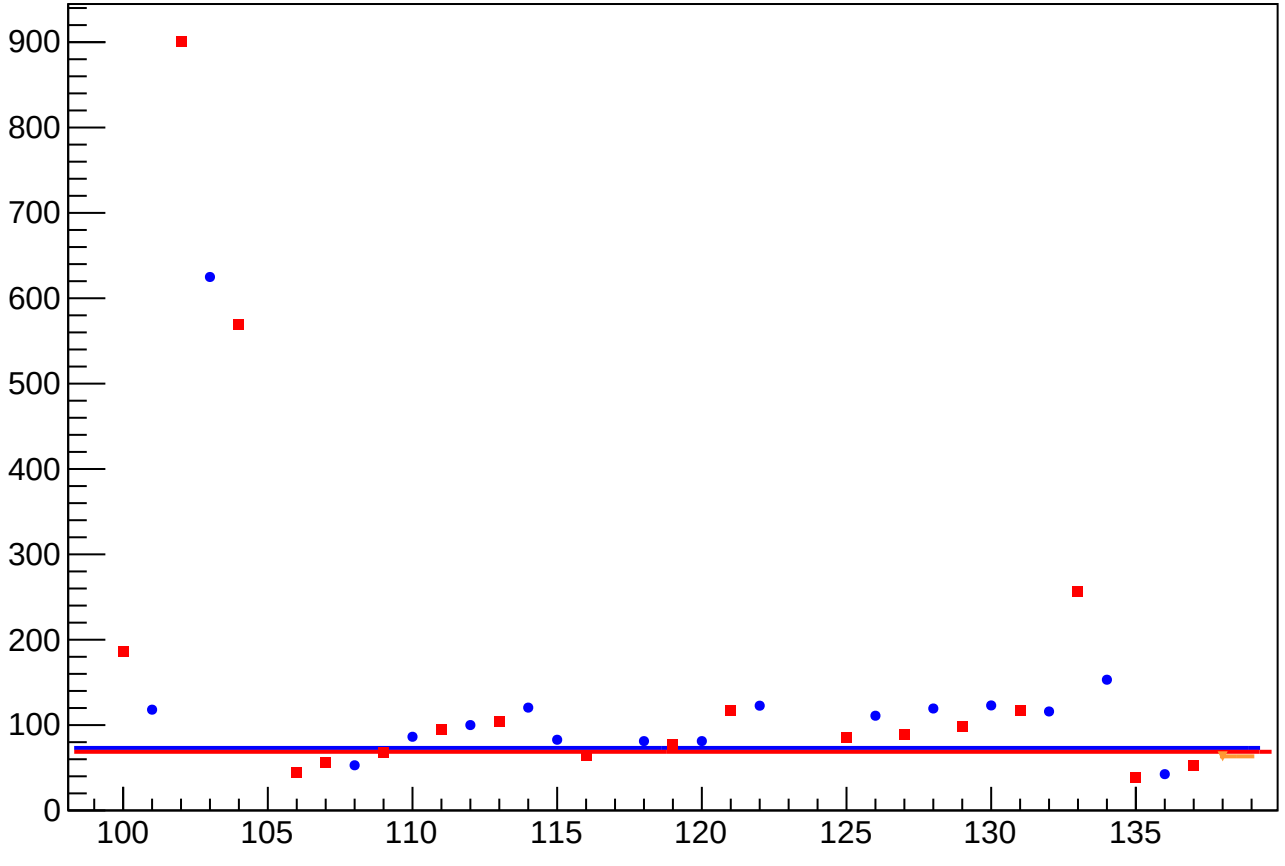
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.005+/-0.032 χ^2/NDF:10.3/15

Out: -0.044+/-0.029 χ^2/NDF:13.3/18

All: -0.026+/-0.022 χ^2/NDF: 24.4/34

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: 63.379+/-0.056 χ^2/NDF:0.0/0

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 63.379+/-0.056 χ^2/NDF: 0.0/0

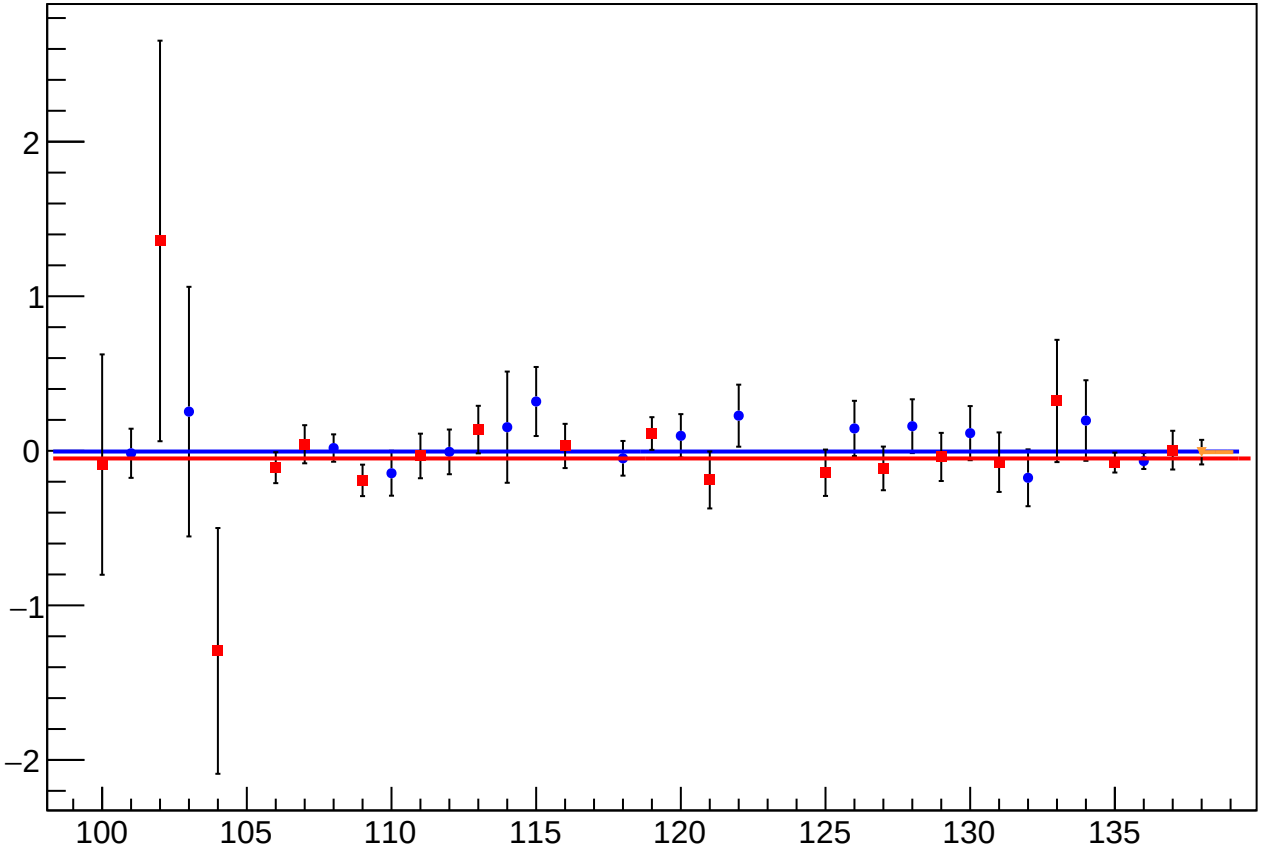
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 73.234+/-0.023 χ^2/NDF:2854601.2/15

Out: 67.993+/-0.021 χ^2/NDF:3339546.1/18

All: 70.375+/-0.015 χ^2/NDF: 6223014.7/34

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: -0.009+/-0.080 χ^2/NDF:0.0/0

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.009+/-0.080 χ^2/NDF: 0.0/0

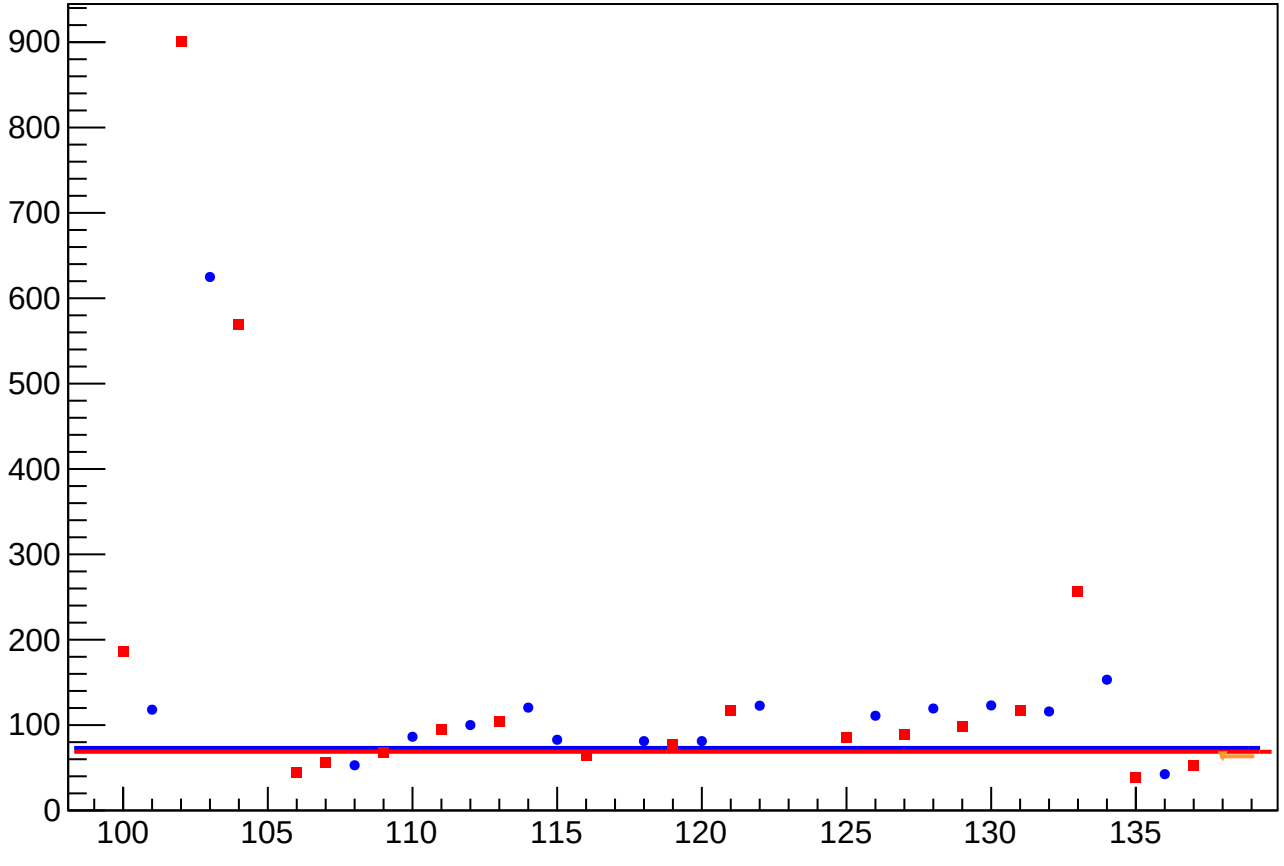
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.005+/-0.032 χ^2/NDF:10.3/15

Out: -0.044+/-0.029 χ^2/NDF:13.3/18

All: -0.026+/-0.022 χ^2/NDF: 24.4/34

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: 63.379+/-0.056 χ^2/NDF:0.0/0

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

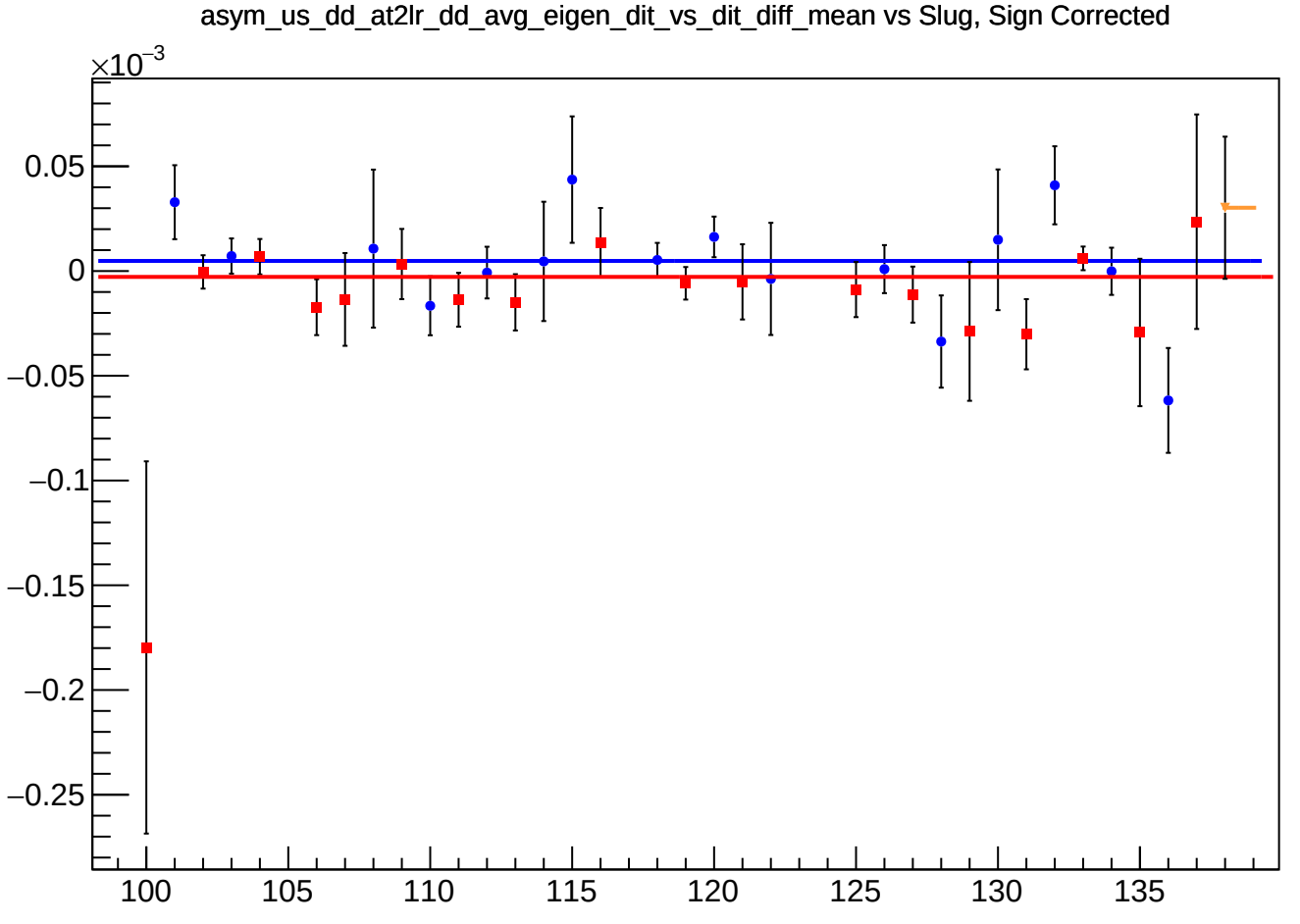
Left: 63.379+/-0.056 χ^2/NDF: 0.0/0

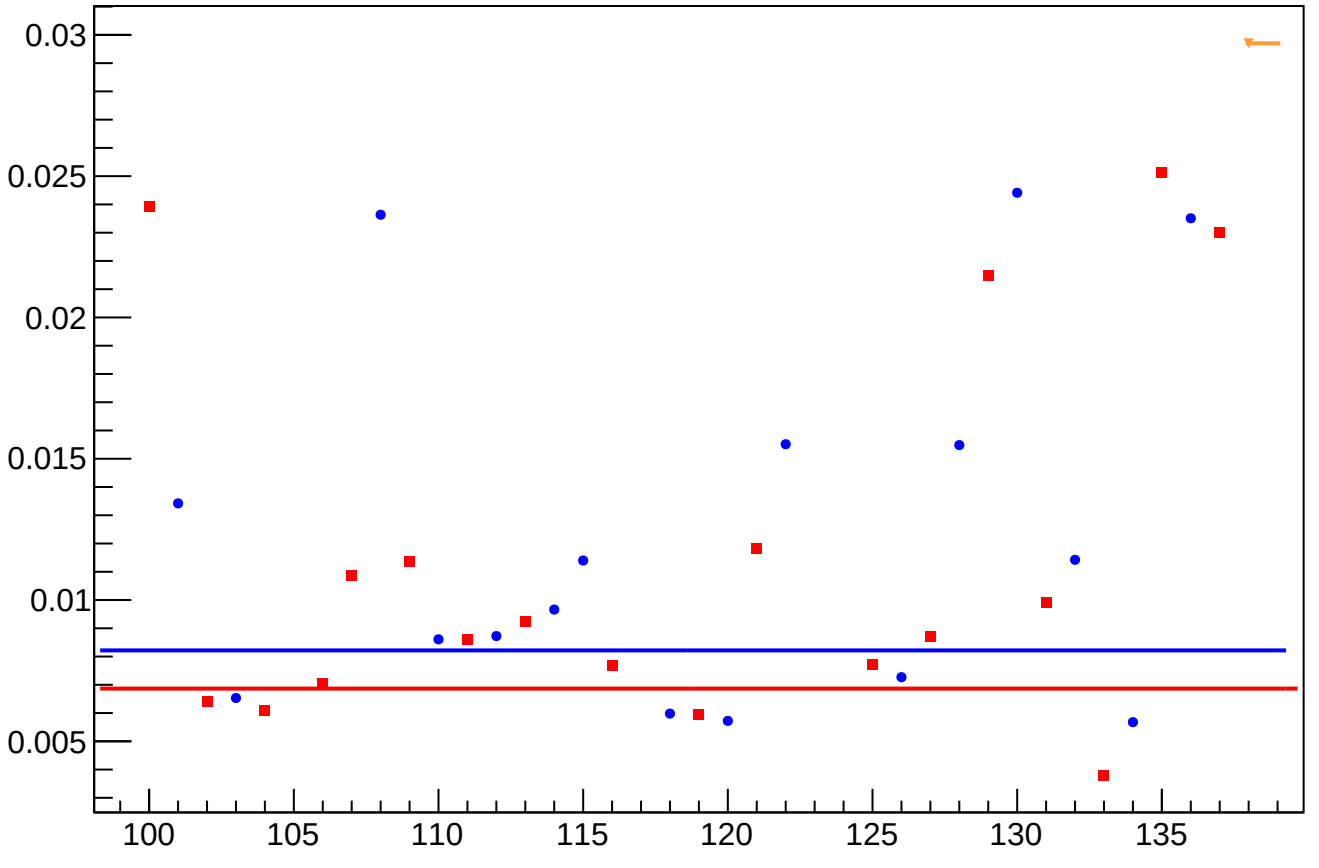
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 73.234+/-0.023 χ^2/NDF:2854601.2/15

Out: 67.993+/-0.021 χ^2/NDF:3339546.1/18

All: 70.375+/-0.015 χ^2/NDF: 6223014.7/34


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: -0.000+/-0.000 χ²/NDF: 16.8/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 42.2/33
In: 0.000+/-0.000 χ²/NDF:22.6/15
Out: -0.000+/-0.000 χ²/NDF:17.7/18
All: 0.000+/-0.000 χ²/NDF: 43.0/34



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.030+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.030+/-0.000 χ^2/NDF: 0.0/0

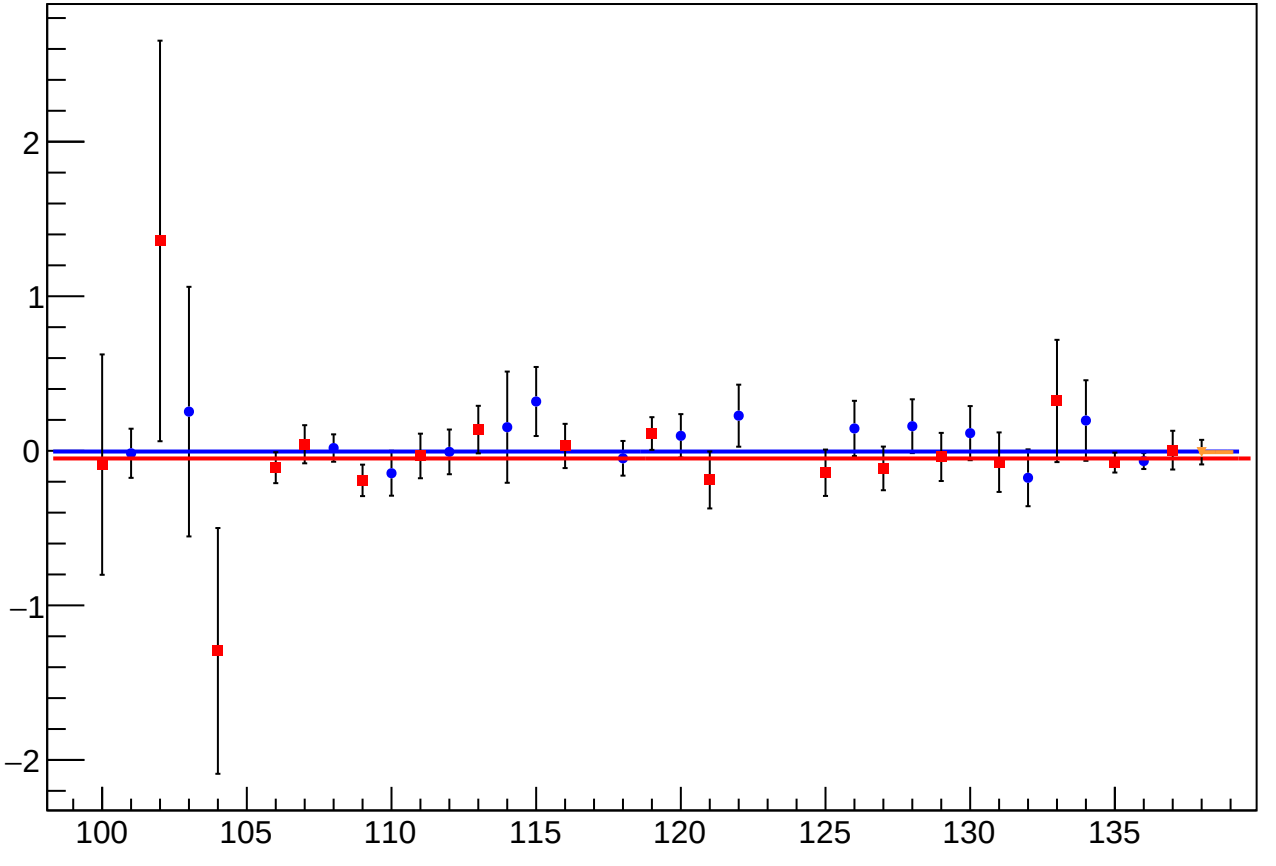
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.008+/-0.000 χ^2/NDF:2656170.2/15

Out: 0.007+/-0.000 χ^2/NDF:3325860.8/18

All: 0.007+/-0.000 χ^2/NDF: 6123360.6/34

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: -0.009+/-0.080 χ^2/NDF:0.0/0

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.009+/-0.080 χ^2/NDF: 0.0/0

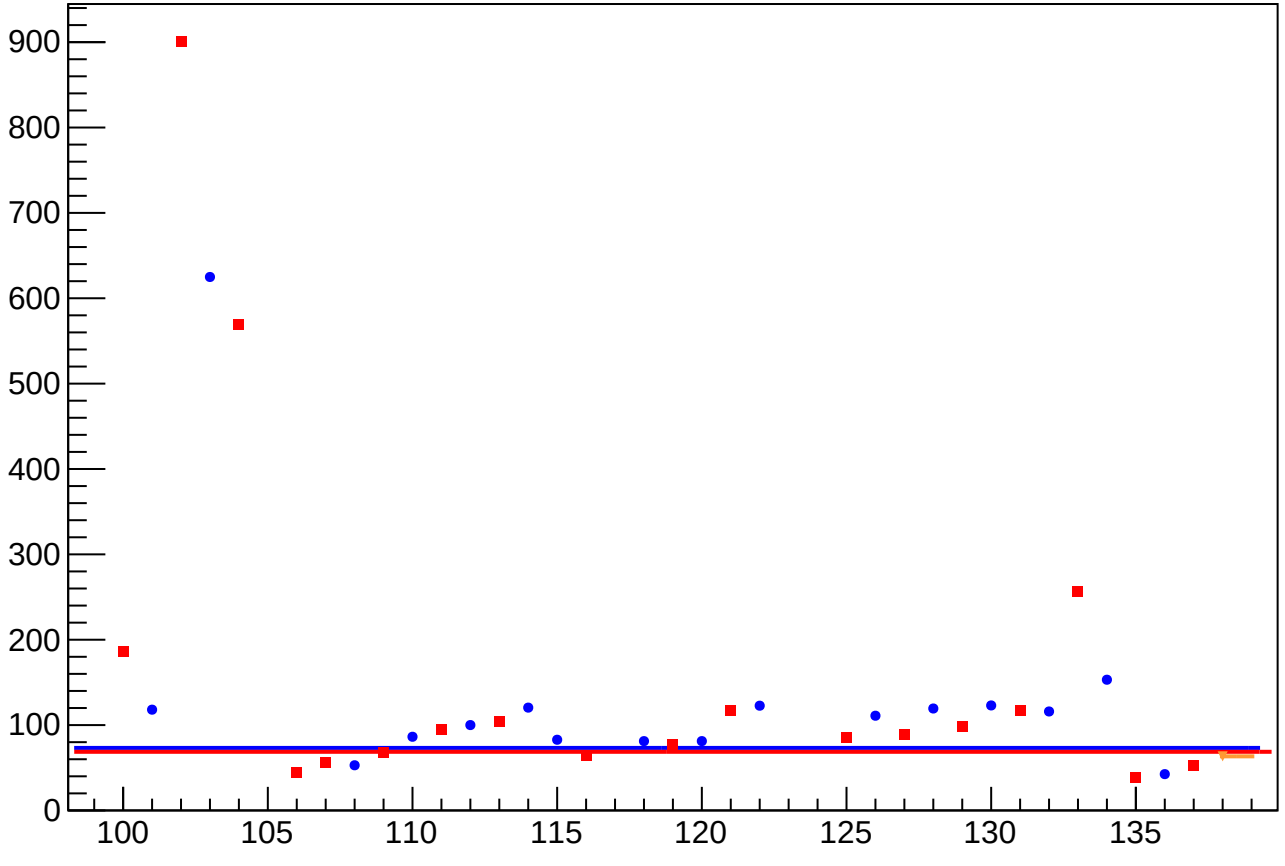
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.005+/-0.032 χ^2/NDF:10.3/15

Out: -0.044+/-0.029 χ^2/NDF:13.3/18

All: -0.026+/-0.022 χ^2/NDF: 24.4/34

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: 63.389+/-0.056 χ^2/NDF:0.0/0

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 63.389+/-0.056 χ^2/NDF: 0.0/0

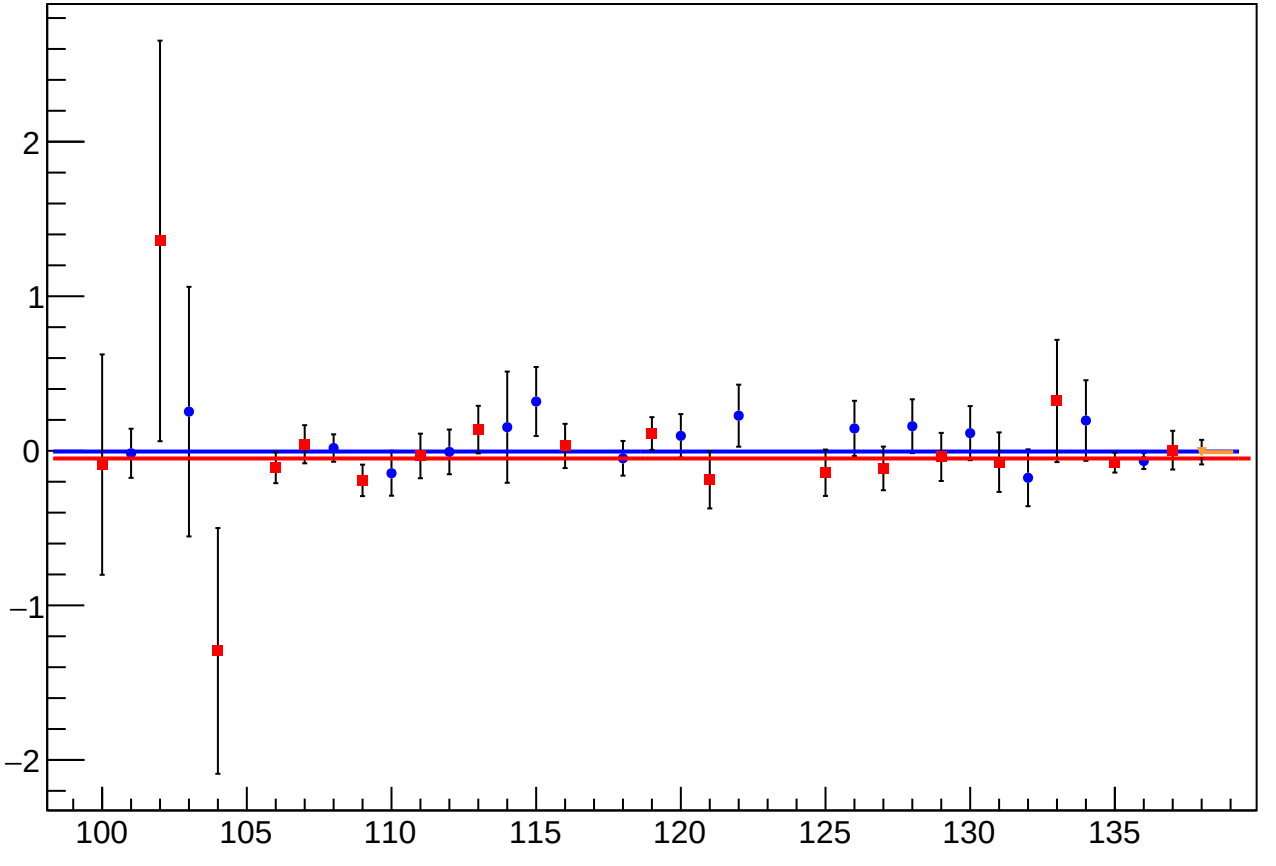
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 73.260+/-0.023 χ^2/NDF:2852306.8/15

Out: 67.985+/-0.021 χ^2/NDF:3340481.8/18

All: 70.381+/-0.015 χ^2/NDF: 6222016.3/34

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: -0.009+/-0.080 χ^2/NDF:0.0/0

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.009+/-0.080 χ^2/NDF: 0.0/0

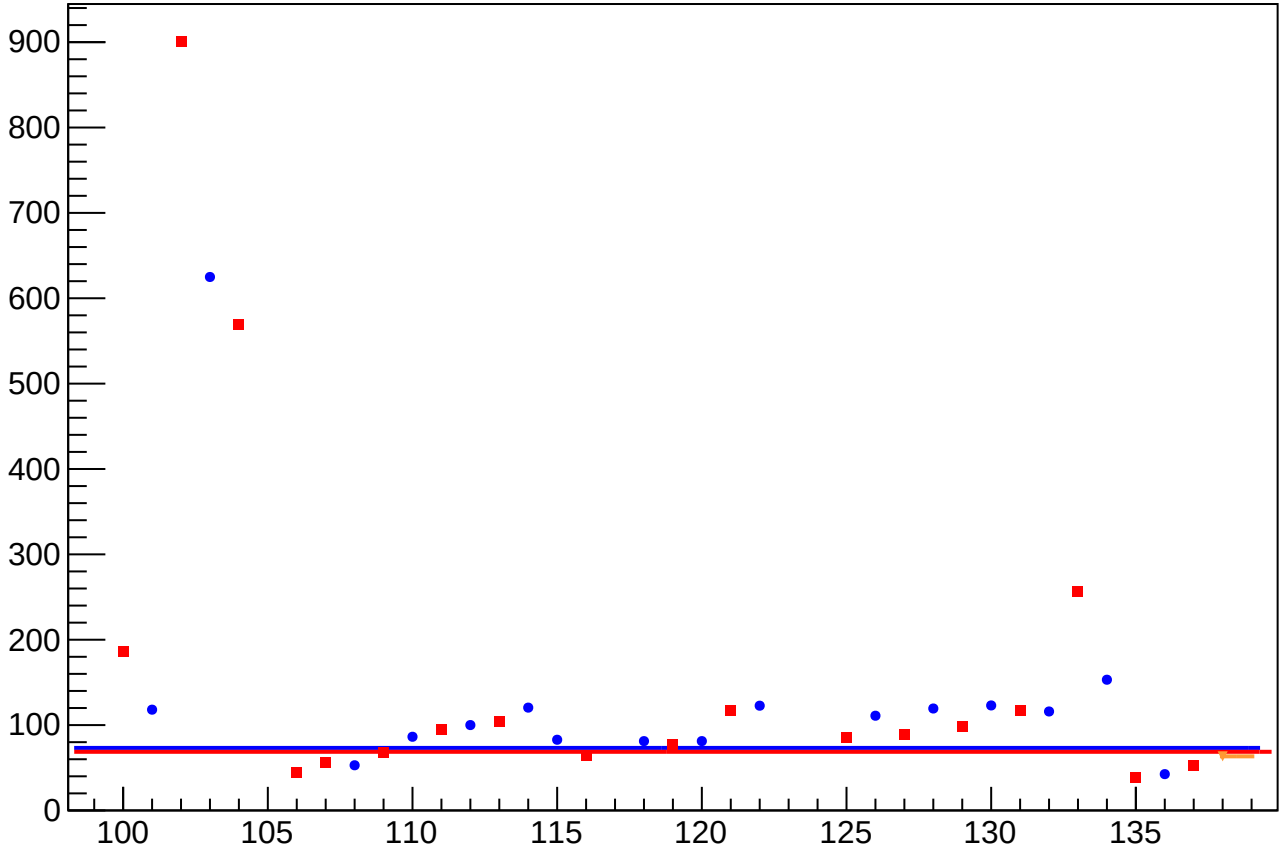
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.005+/-0.032 χ^2/NDF:10.3/15

Out: -0.044+/-0.029 χ^2/NDF:13.3/18

All: -0.026+/-0.022 χ^2/NDF: 24.4/34

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: 63.389+/-0.056 χ^2/NDF:0.0/0

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

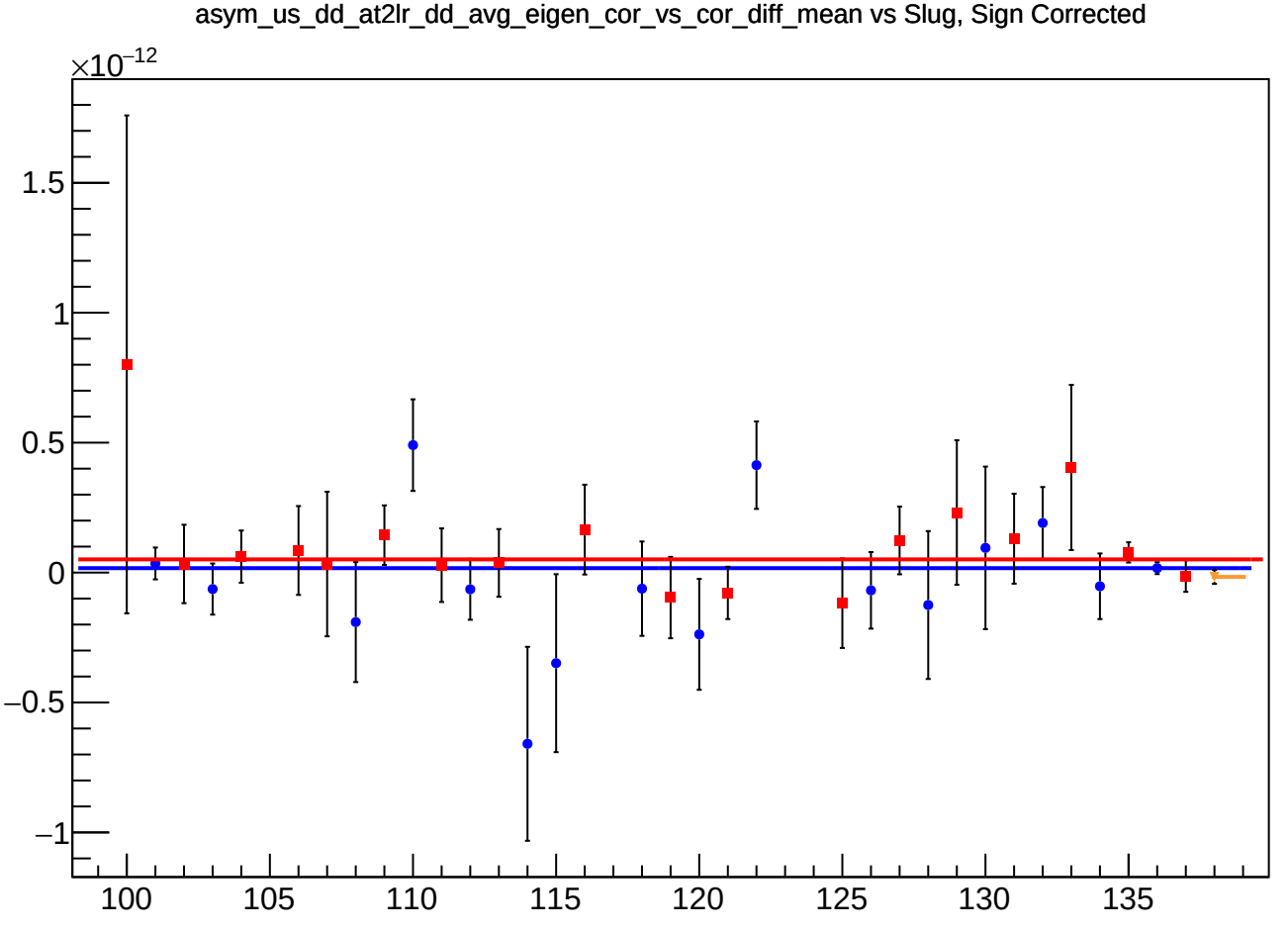
Left: 63.389+/-0.056 χ^2/NDF: 0.0/0

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 73.260+/-0.023 χ^2/NDF:2852306.8/15

Out: 67.985+/-0.021 χ^2/NDF:3340481.8/18

All: 70.381+/-0.015 χ^2/NDF: 6222016.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

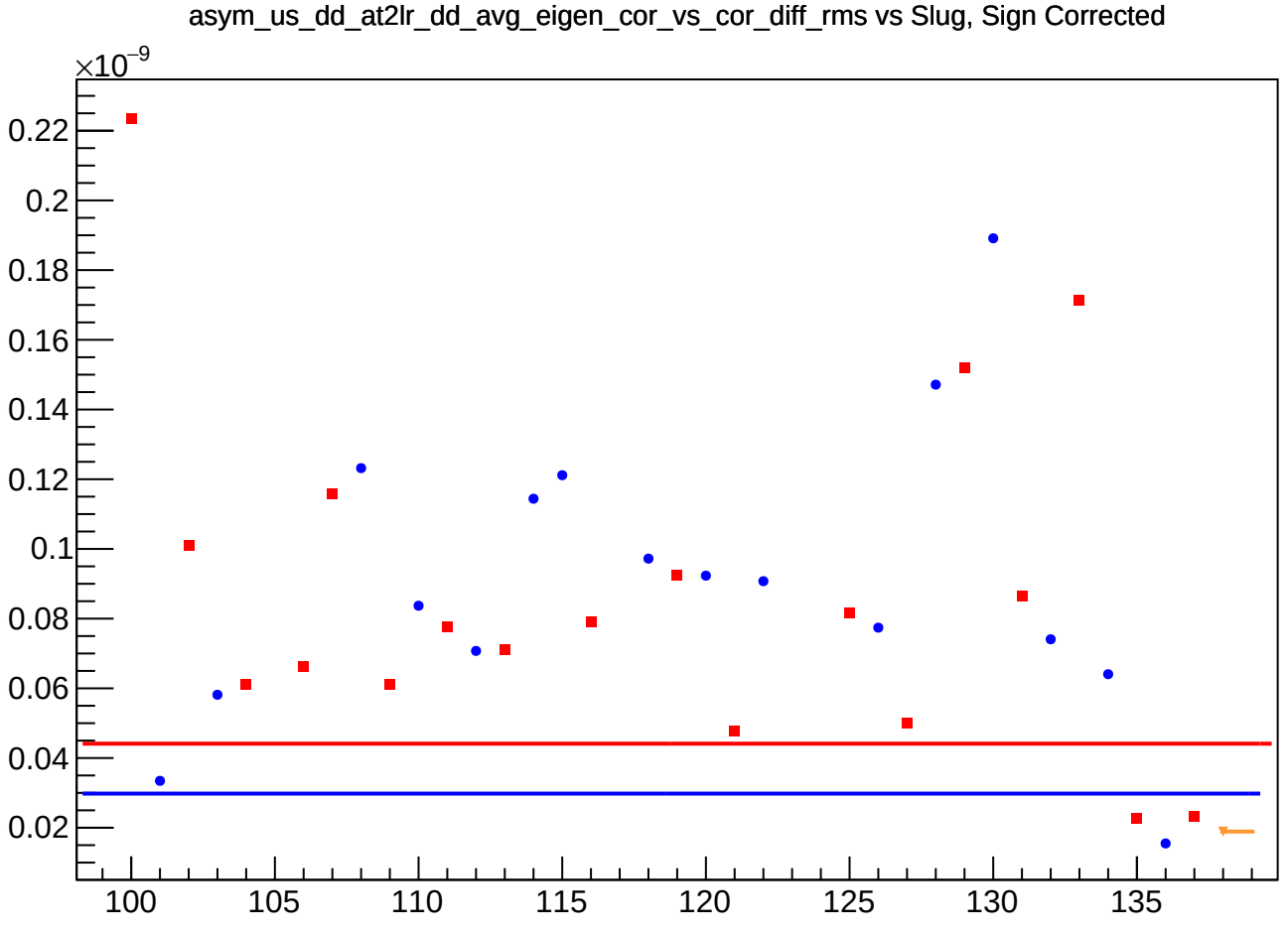
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:23.4/15

Out: 0.000+/-0.000 χ^2/NDF:12.5/18

All: 0.000+/-0.000 χ^2/NDF: 35.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 4079776.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2779318.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

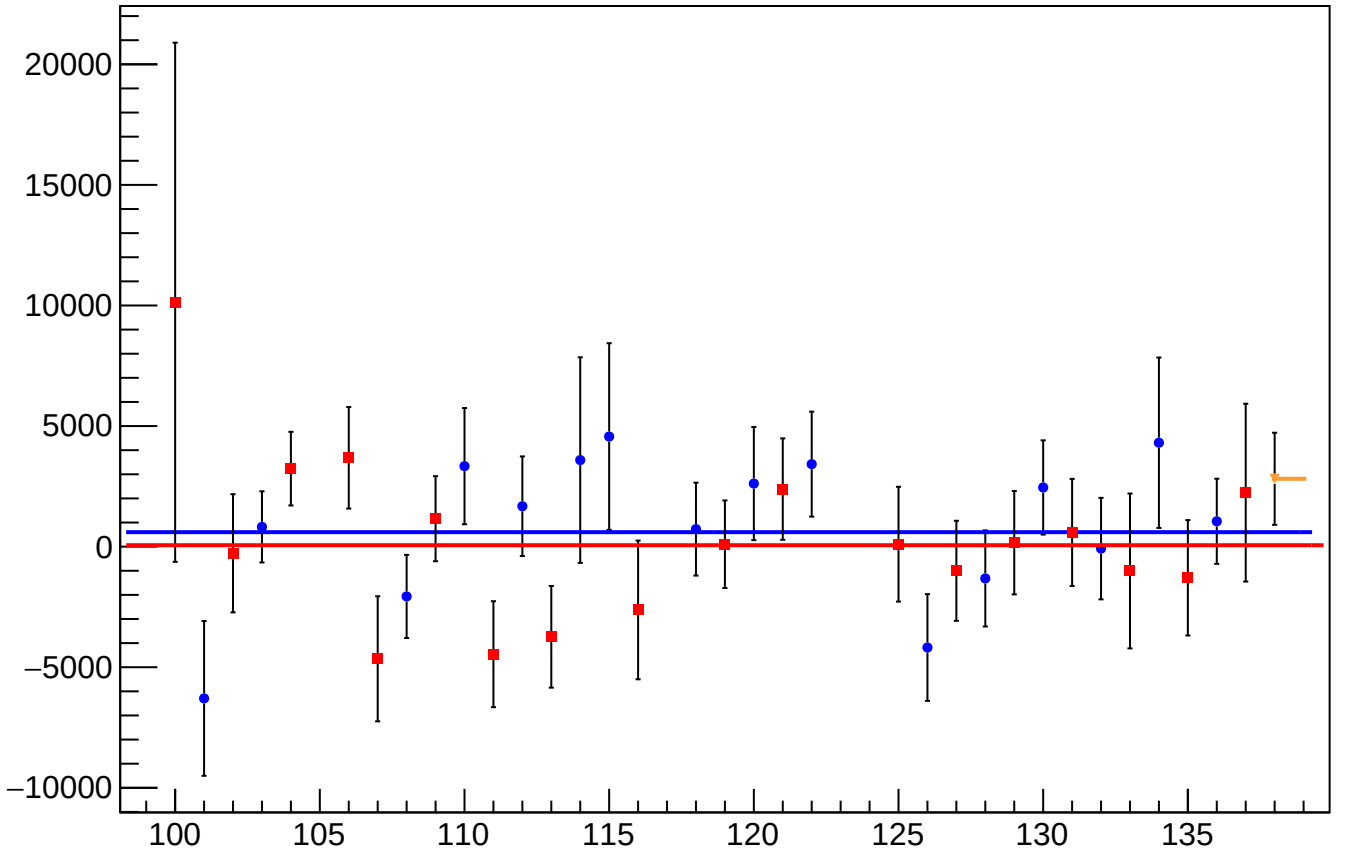
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 7274202.8/33

In: 0.000+/-0.000 χ^2/NDF:4079776.1/15

Out: 0.000+/-0.000 χ^2/NDF:3734476.9/18

All: 0.000+/-0.000 χ^2/NDF: 7834718.3/34



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 2813.682+/-1909.636 χ^2/NDF:0.0/0

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

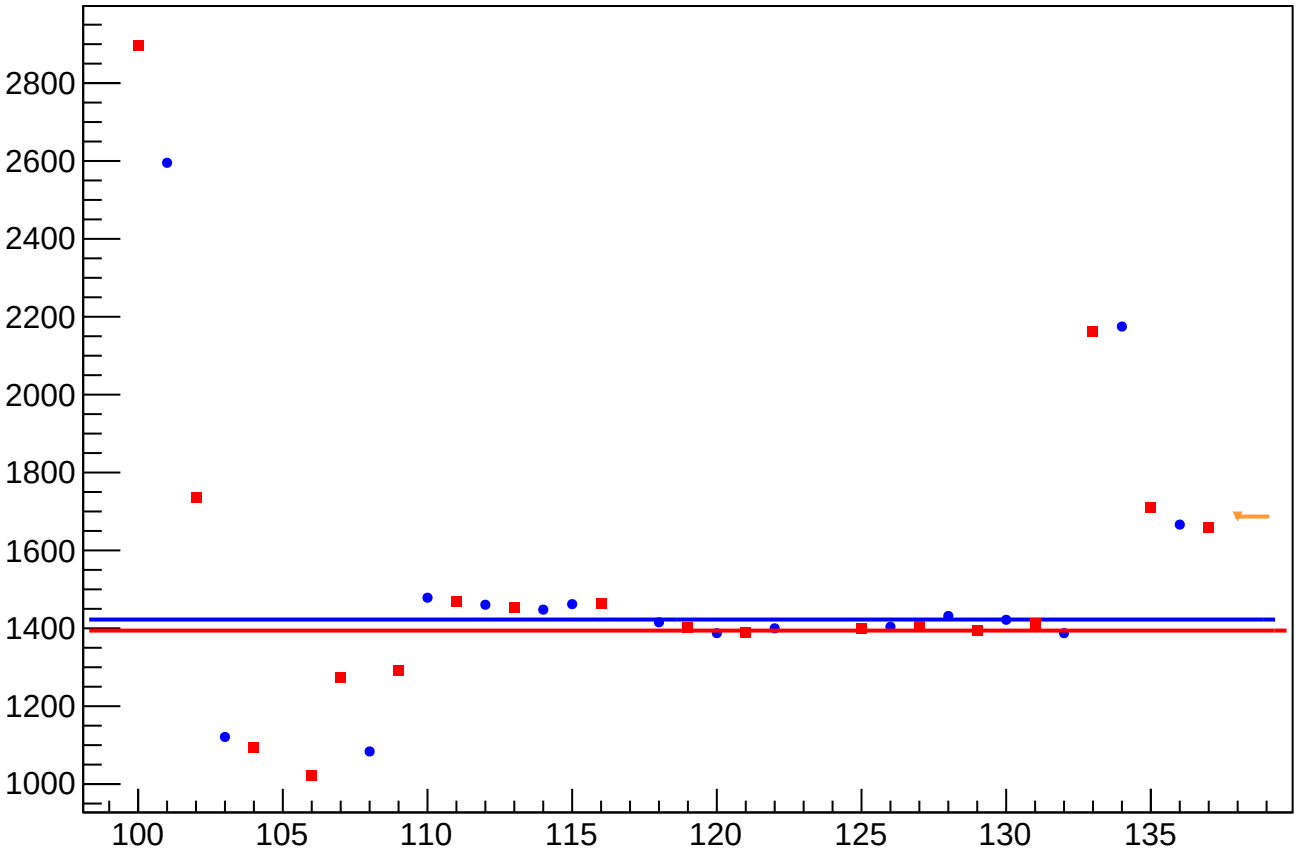
Left: 2813.682+/-1909.636 χ^2/NDF: 0.0/0

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 600.146+/-540.053 χ^2/NDF:20.3/15

Out: 256.240+/-510.880 χ^2/NDF:24.5/18

All: 418.654+/-371.132 χ^2/NDF: 45.0/34



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1686.943+/-1.350 χ^2/NDF:0.0/0

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

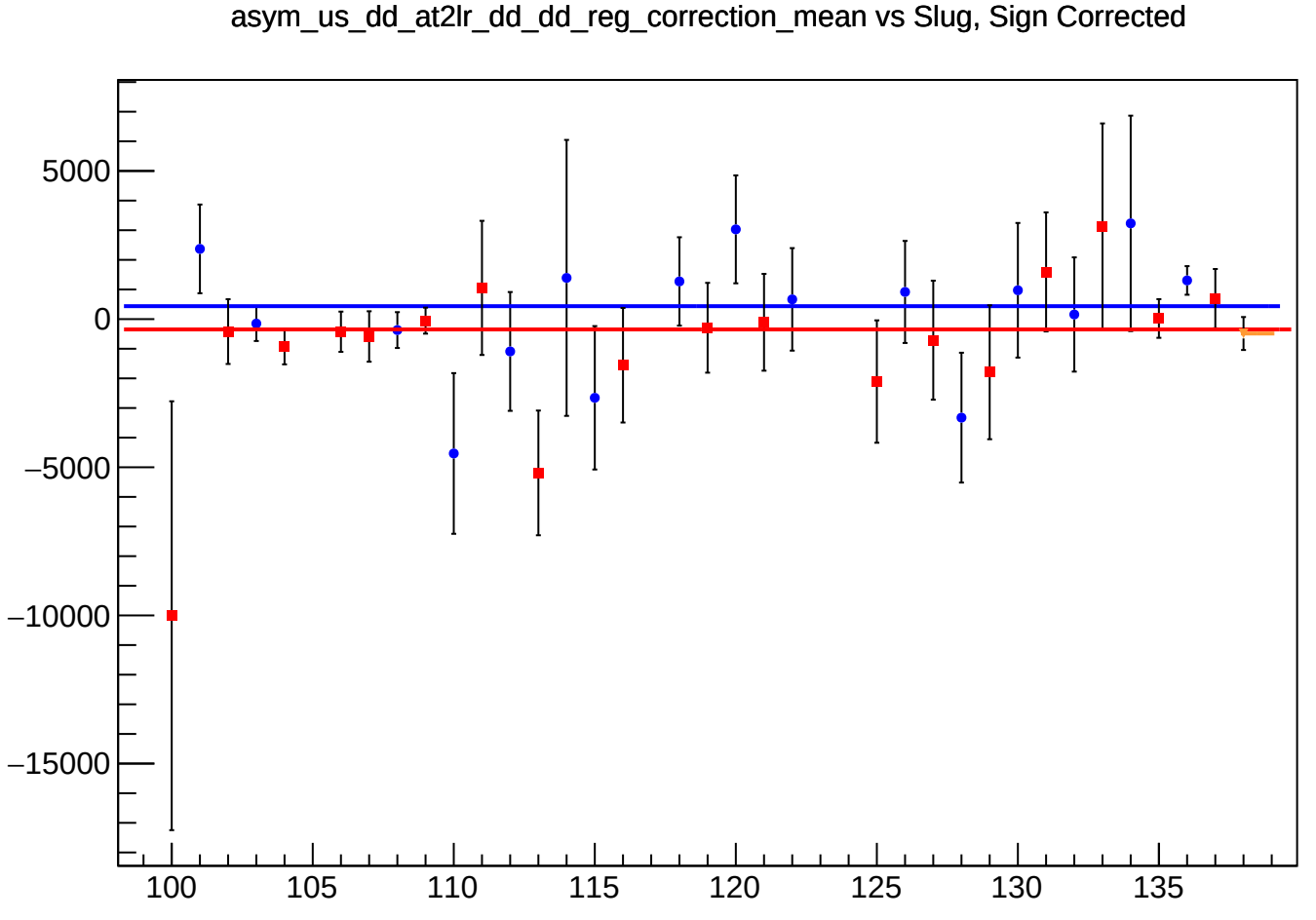
Left: 1686.943+/-1.350 χ^2/NDF: 0.0/0

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1422.515+/-0.382 χ^2/NDF:560259.3/15

Out: 1415.124+/-0.361 χ^2/NDF:437311.2/18

All: 1418.615+/-0.262 χ^2/NDF: 997768.2/34



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: -485.800+/-556.177 χ^2/NDF:0.0/0

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -485.800+/-556.177 χ^2/NDF: 0.0/0

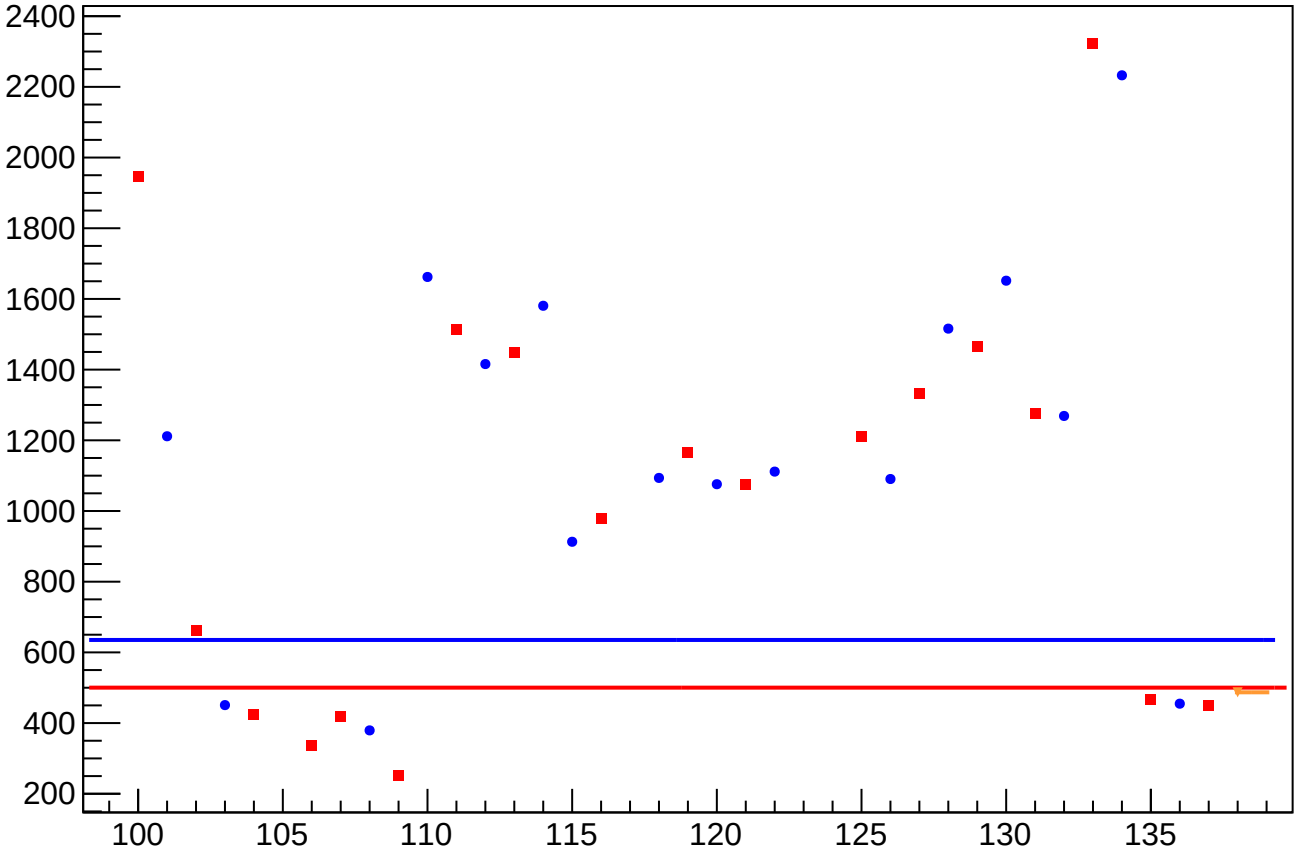
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 436.509+/-275.917 χ^2/NDF:19.3/15

Out: -369.168+/-215.488 χ^2/NDF:14.0/18

All: -63.929+/-169.831 χ^2/NDF: 38.6/34

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: 487.025+/-0.393 χ^2/NDF:0.0/0

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

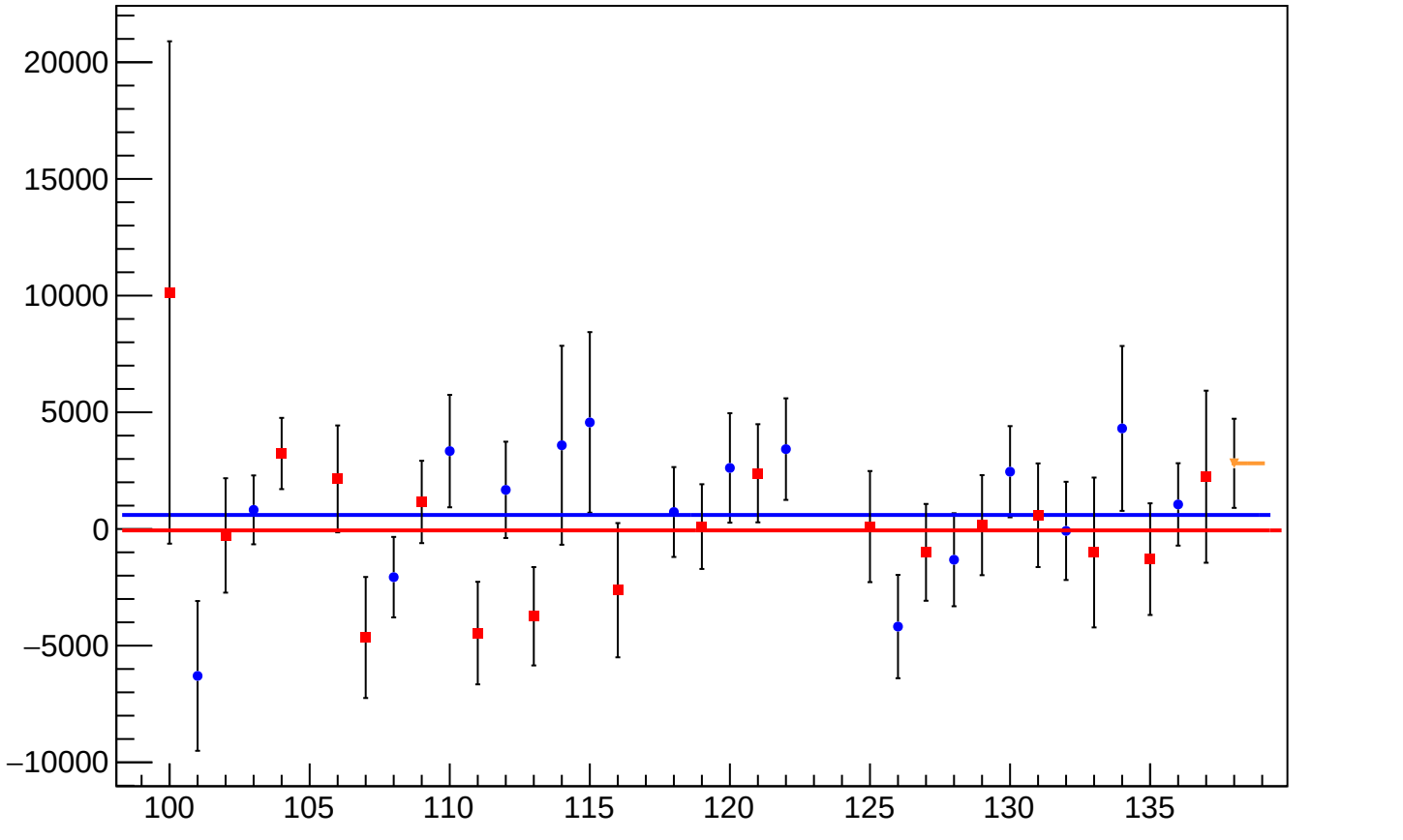
Left: 487.025+/-0.393 χ^2/NDF: 0.0/0

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 635.135+/-0.195 χ^2/NDF:3752583.4/15

Out: 498.249+/-0.152 χ^2/NDF:4310051.5/18

All: 550.109+/-0.120 χ^2/NDF: 8368395.7/34



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 2813.583+/-1909.636 χ^2/NDF:0.0/0

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

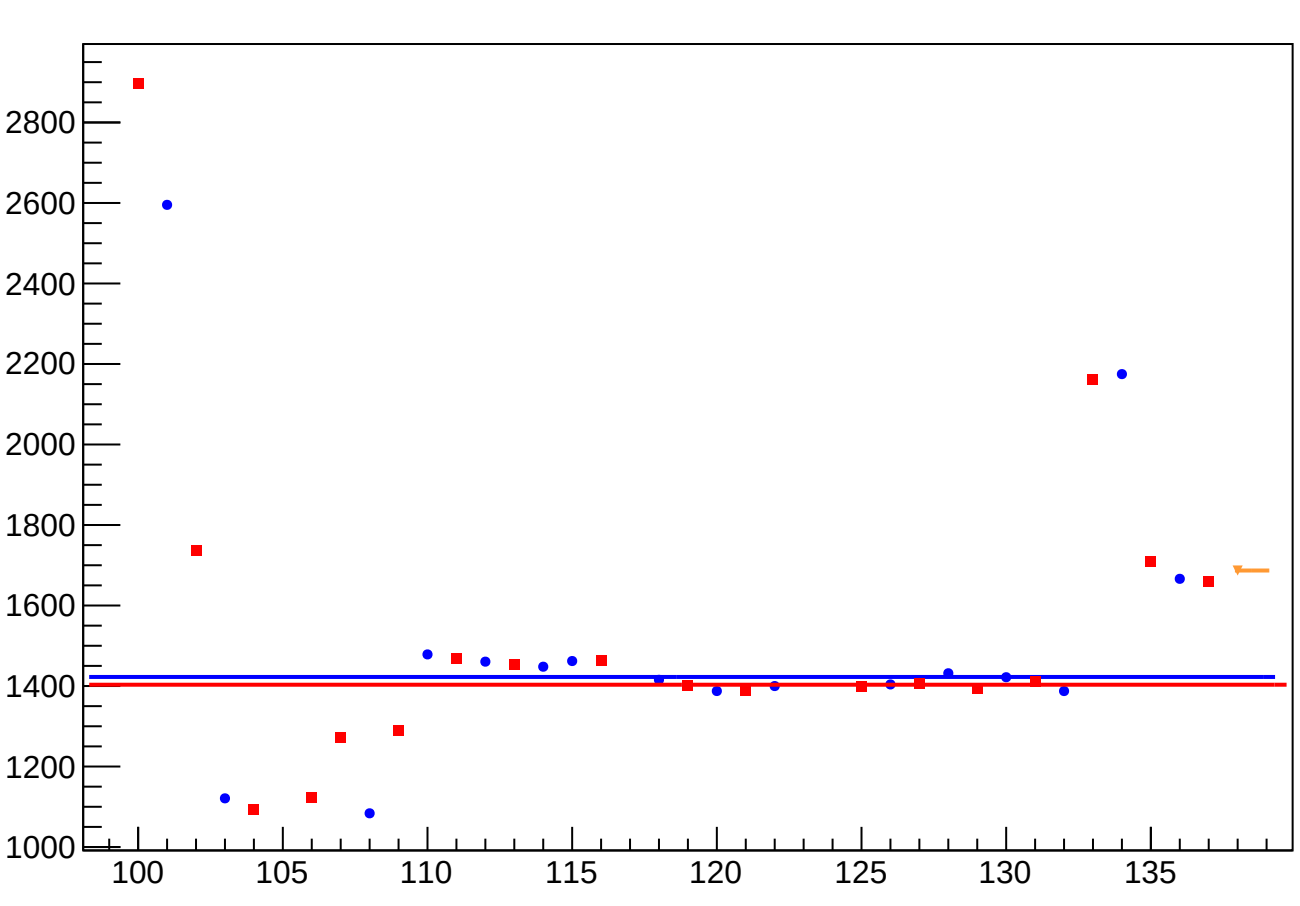
Left: 2813.583+/-1909.636 χ^2/NDF: 0.0/0

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 600.020+/-540.053 χ^2/NDF:20.3/15

Out: 147.221+/-513.223 χ^2/NDF:22.5/18

All: 362.094+/-372.027 χ^2/NDF: 43.2/34



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1686.943+/-0.350 χ^2/NDF:0.0/0

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

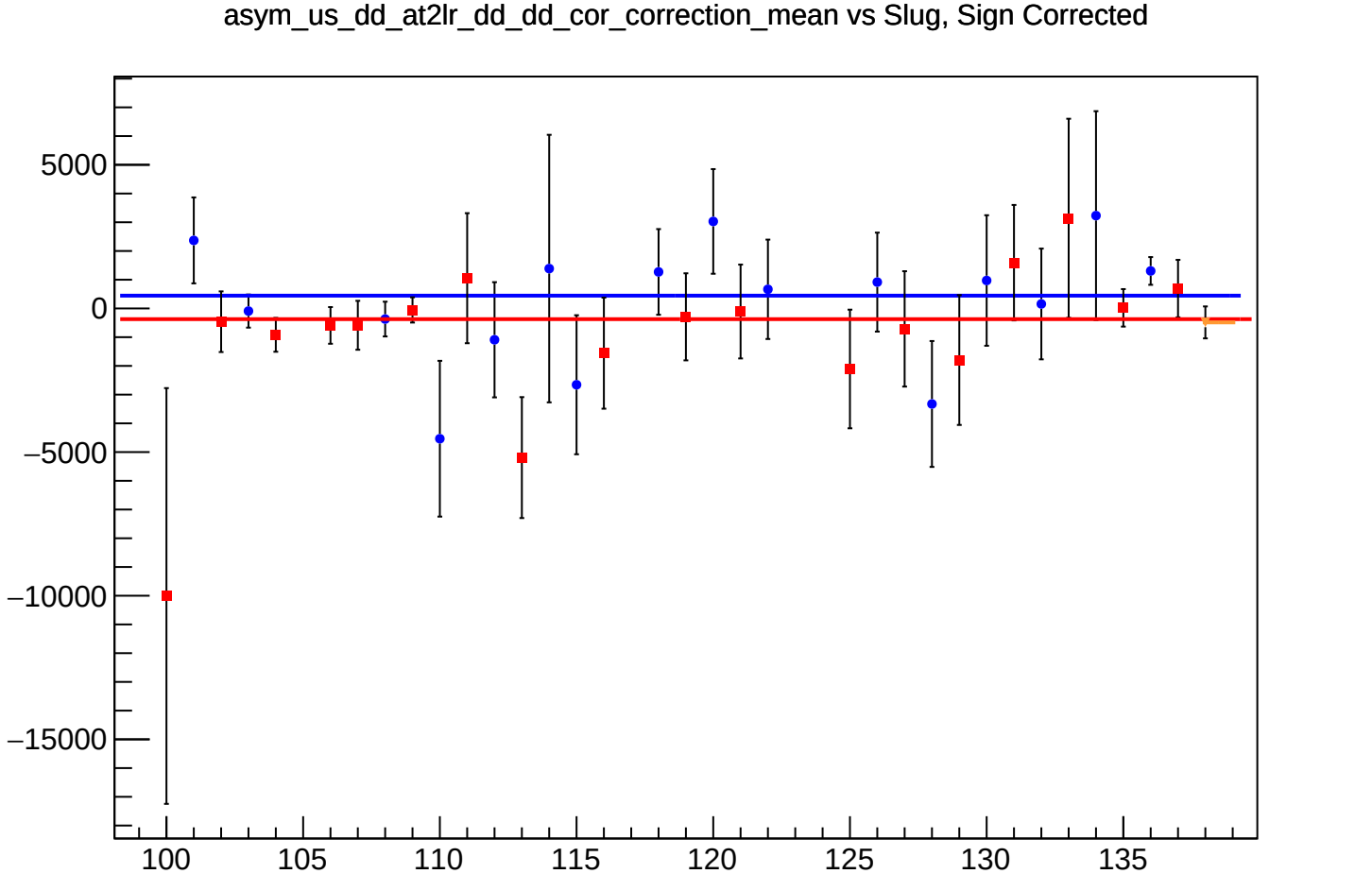
Left: 1686.943+/-1.350 χ^2/NDF: 0.0/0

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1422.515+/-0.382 χ^2/NDF:560259.5/15

Out: 1423.713+/-0.363 χ^2/NDF:400073.5/18

All: 1423.144+/-0.263 χ^2/NDF: 960338.1/34



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -485.951+/-556.184 χ^2/NDF:0.0/0

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -485.951+/-556.184 χ^2/NDF: 0.0/0

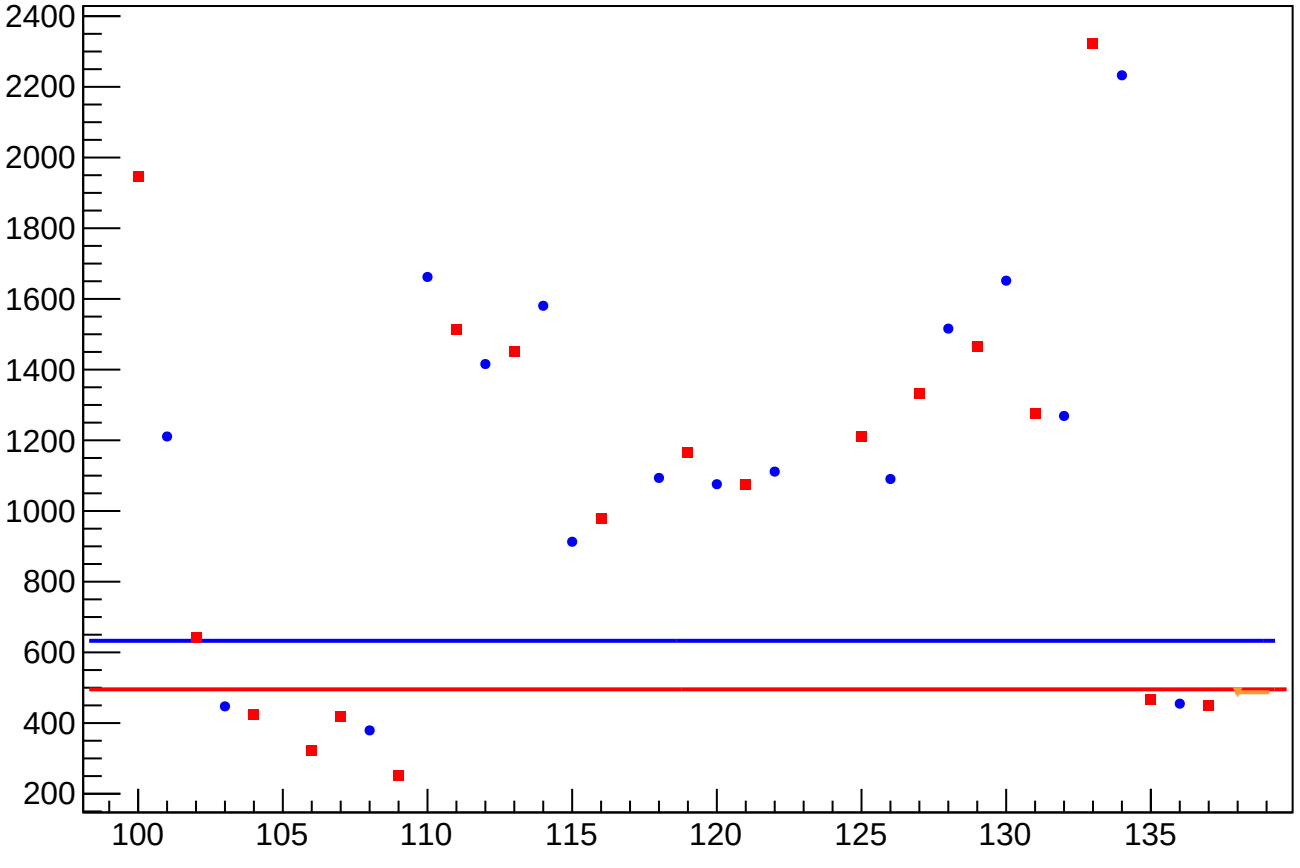
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 445.121+/-274.737 χ^2/NDF:19.2/15

Out: -389.267+/-213.610 χ^2/NDF:14.0/18

All: -74.904+/-168.636 χ^2/NDF: 39.0/34

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: 487.032+/-0.393 χ^2/NDF:0.0/0

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

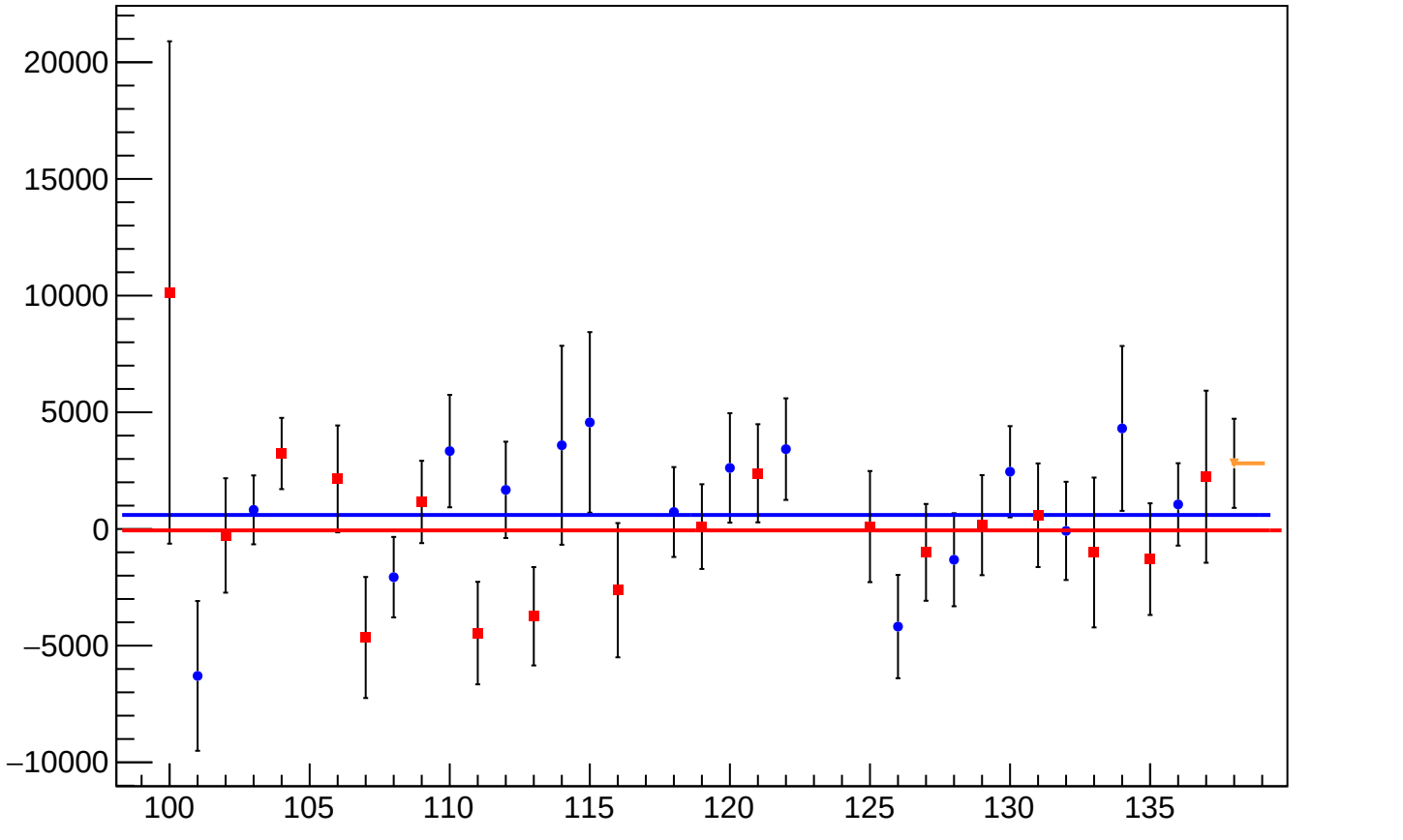
Left: 487.032+/-0.393 χ^2/NDF: 0.0/0

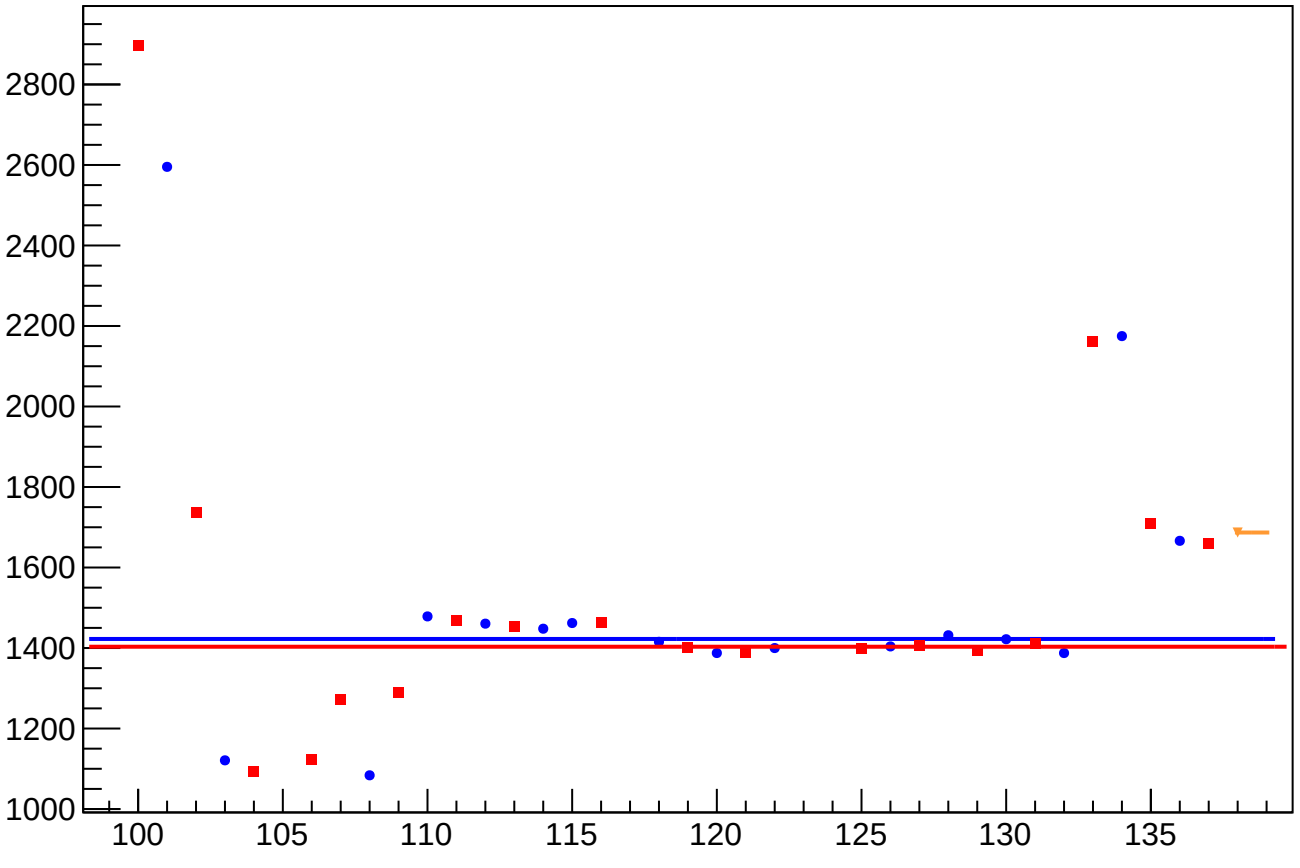
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 632.753+/-0.194 χ^2/NDF:3767731.7/15

Out: 494.149+/-0.151 χ^2/NDF:4337868.9/18

All: 546.369+/-0.119 χ^2/NDF: 8422852.0/34


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
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: 2813.583+/-1909.636 χ²/NDF:0.0/0
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 2813.583+/-1909.636 χ²/NDF: 0.0/0
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 600.020+/-540.053 χ²/NDF:20.3/15
Out: 147.221+/-513.223 χ²/NDF:22.5/18
All: 362.094+/-372.027 χ²/NDF: 43.2/34



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1686.943+/-0.350 χ^2/NDF:0.0/0

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

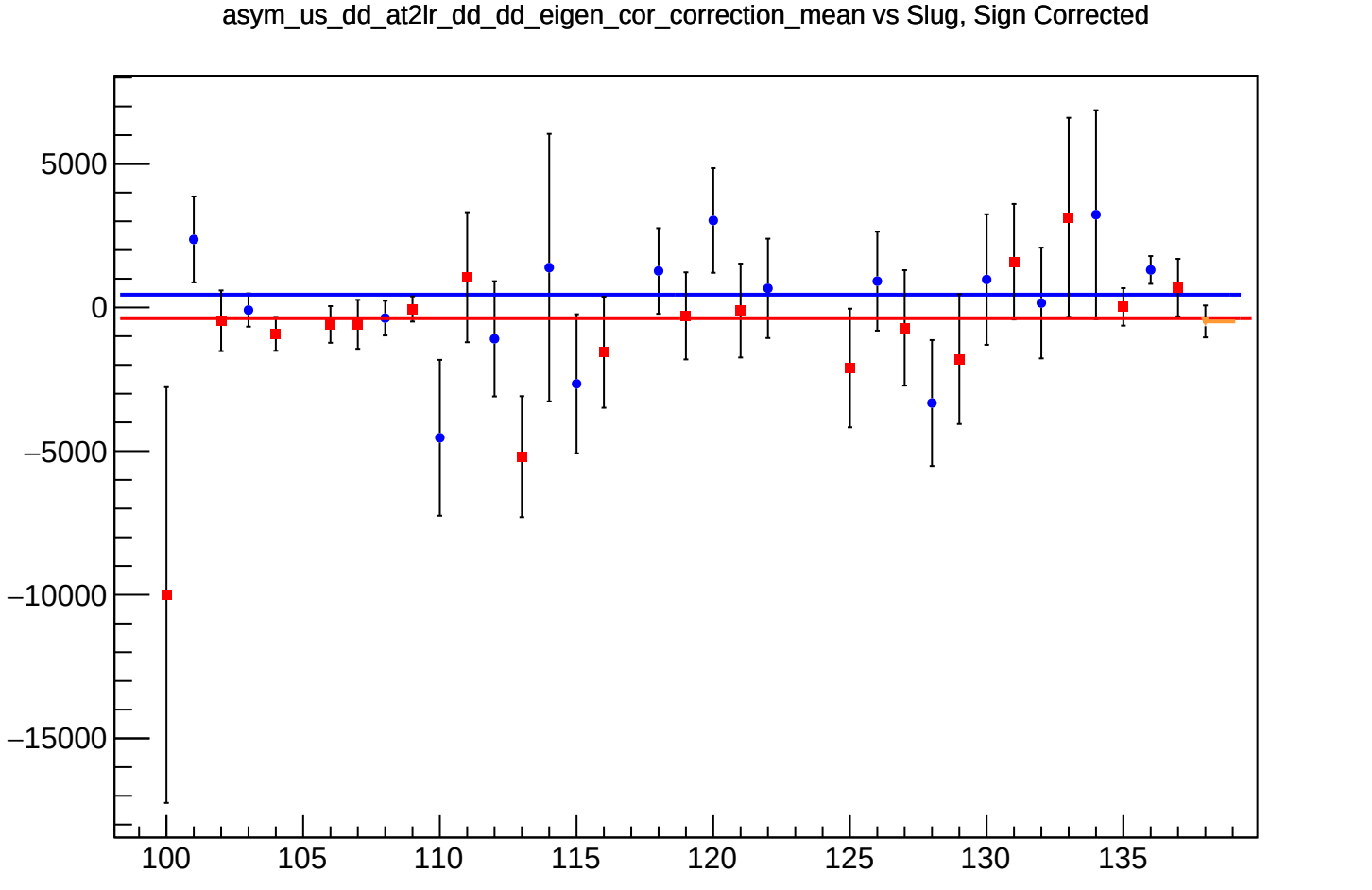
Left: 1686.943+/-1.350 χ^2/NDF: 0.0/0

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1422.515+/-0.382 χ^2/NDF:560259.5/15

Out: 1423.713+/-0.363 χ^2/NDF:400073.5/18

All: 1423.144+/-0.263 χ^2/NDF: 960338.1/34



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -485.951+/-556.184 χ^2/NDF:0.0/0

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -485.951+/-556.184 χ^2/NDF: 0.0/0

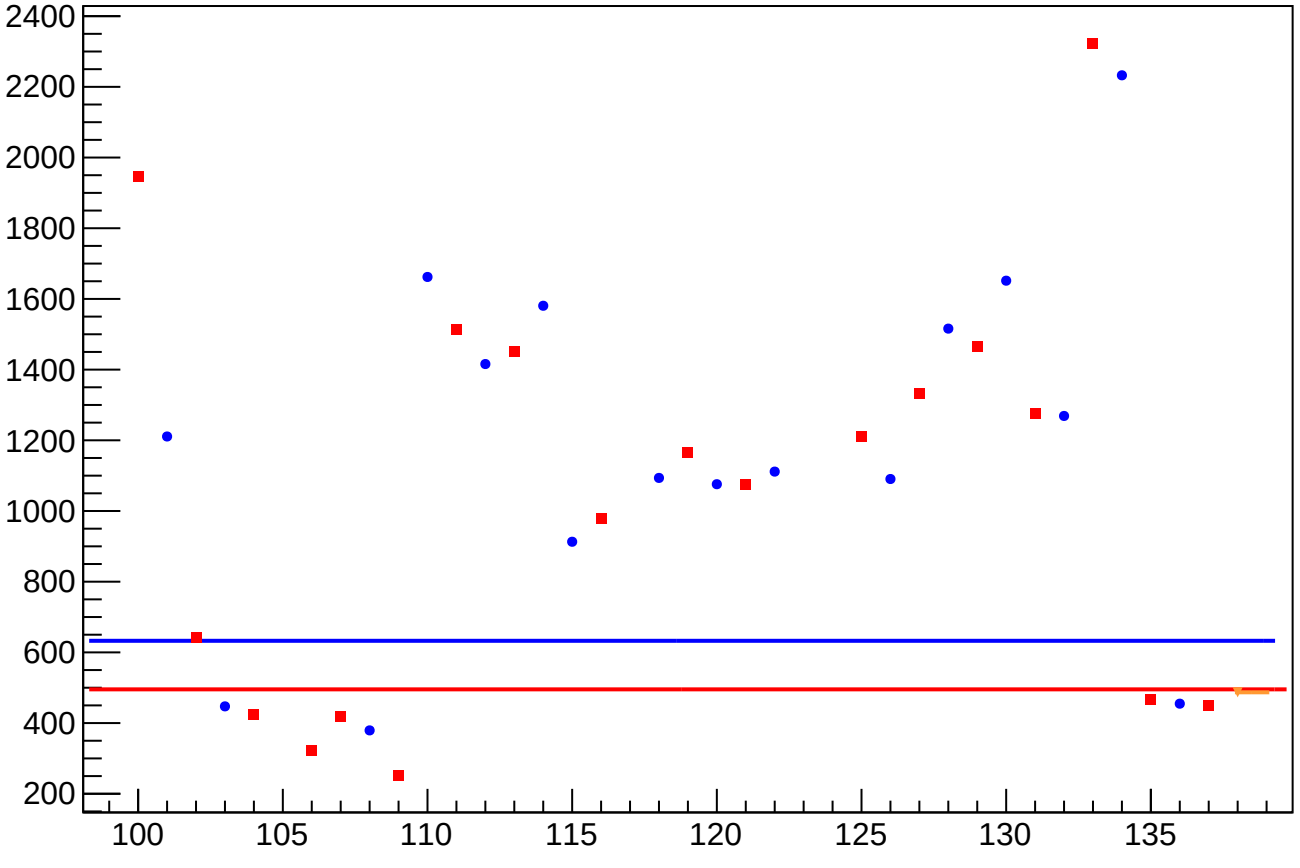
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 445.121+/-274.737 χ^2/NDF:19.2/15

Out: -389.267+/-213.610 χ^2/NDF:14.0/18

All: -74.904+/-168.636 χ^2/NDF: 39.0/34

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: 487.032+/-0.393 χ^2/NDF:0.0/0

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

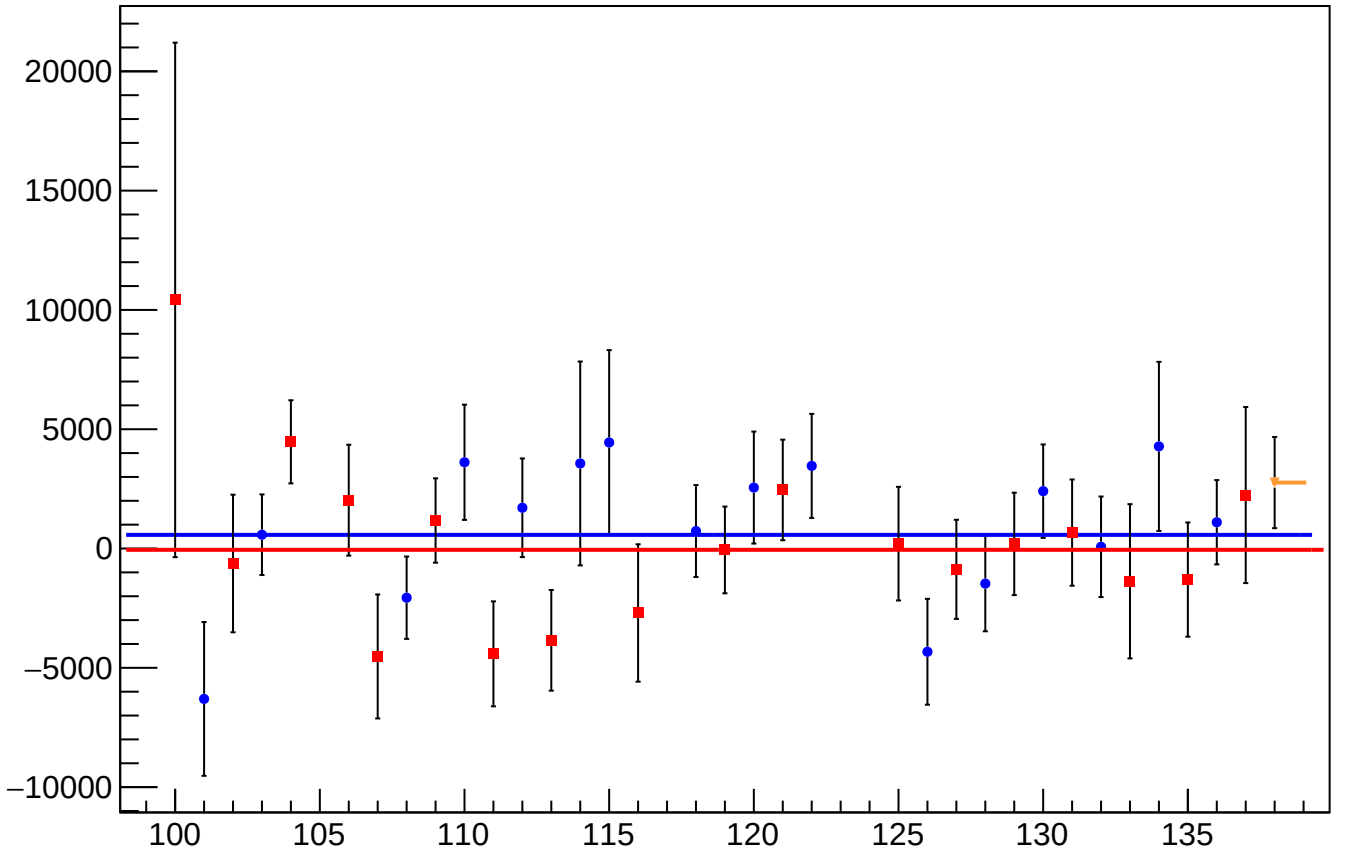
Left: 487.032+/-0.393 χ^2/NDF: 0.0/0

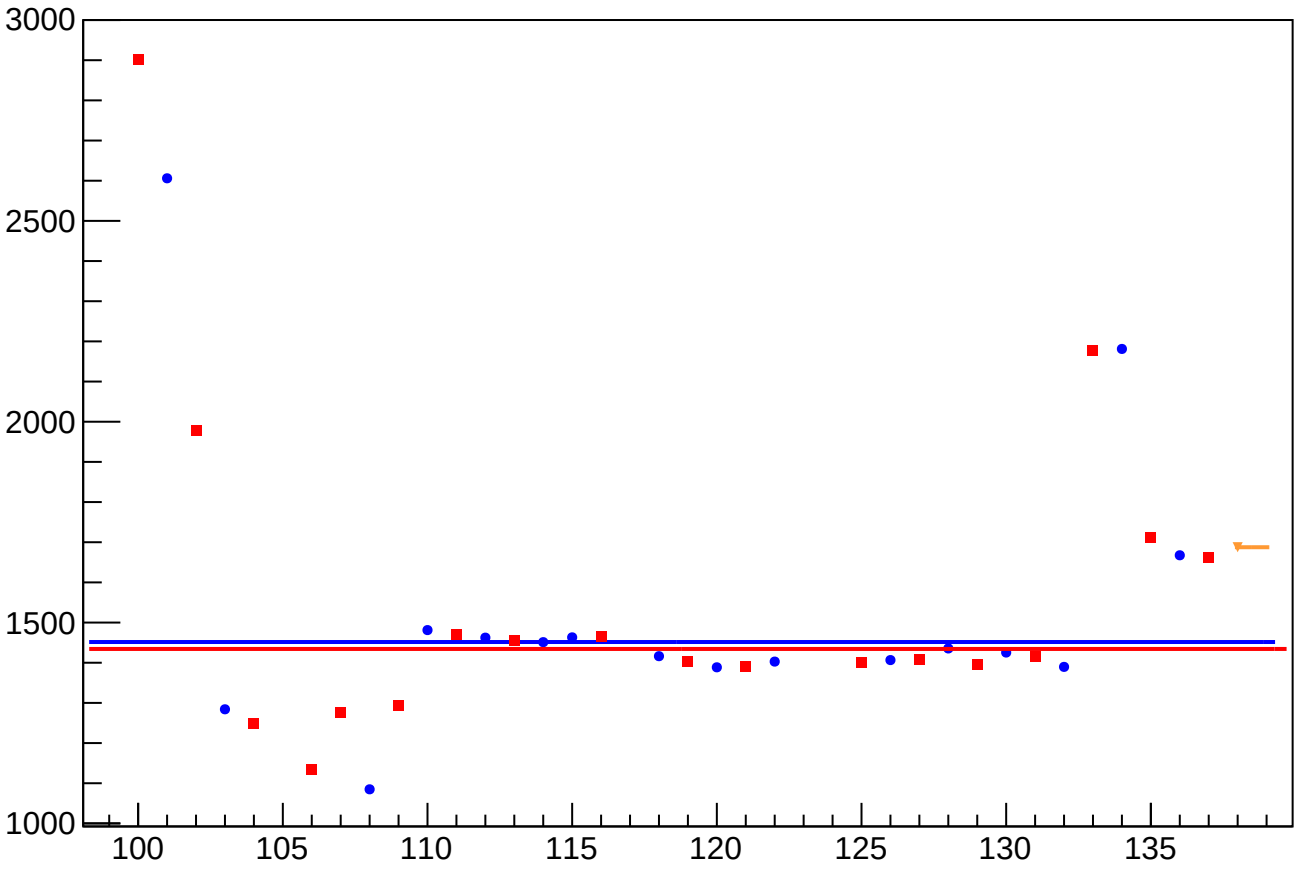
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 632.753+/-0.194 χ^2/NDF:3767731.7/15

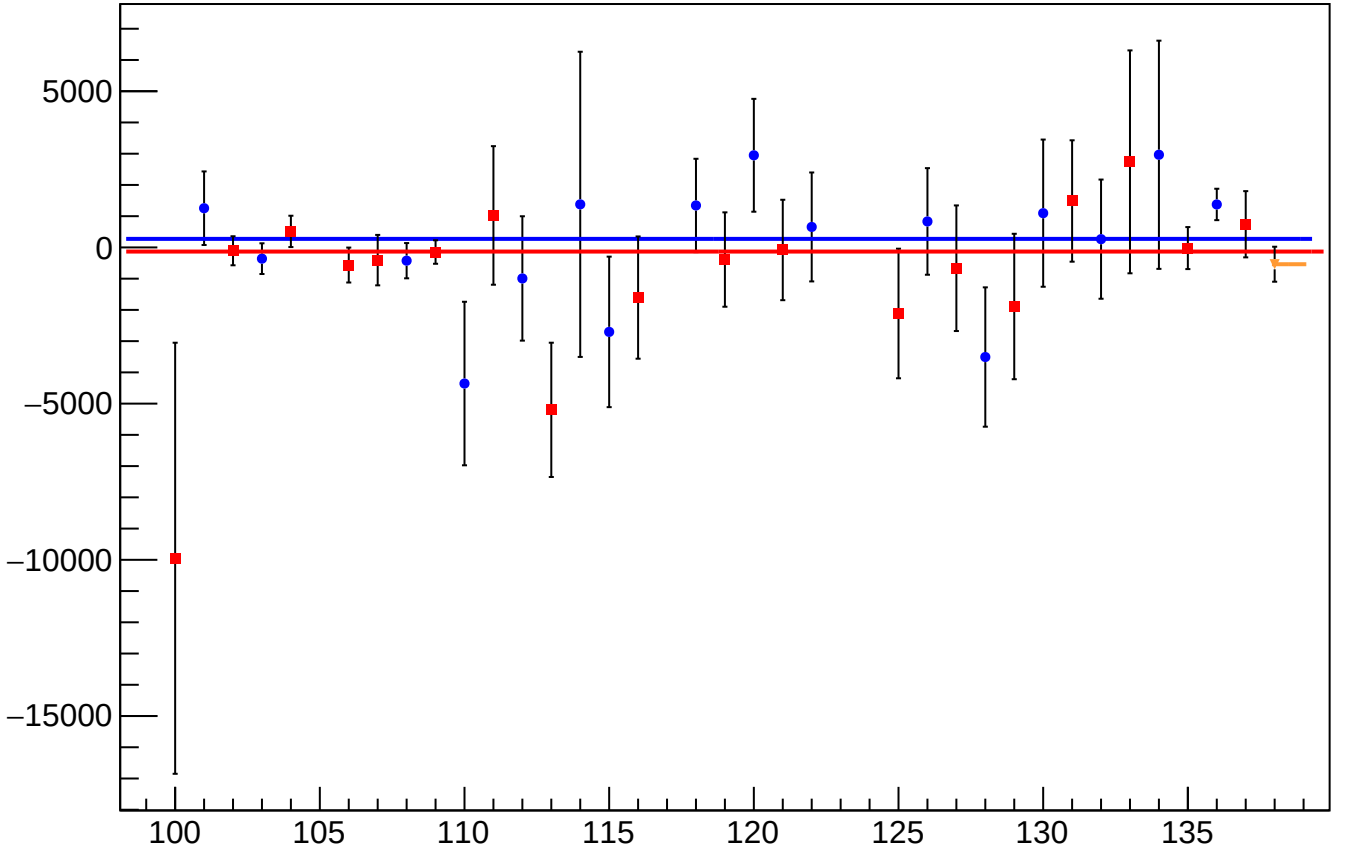
Out: 494.149+/-0.151 χ^2/NDF:4337868.9/18

All: 546.369+/-0.119 χ^2/NDF: 8422852.0/34


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
Right In: 572.289+/-549.638 χ²/NDF: 20.8/15
Left Out: 2763.170+/-1910.317 χ²/NDF:0.0/0
Right Out: -53.754+/-545.353 χ²/NDF: 22.5/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 2763.170+/-1910.317 χ²/NDF: 0.0/0
Right: 256.817+/-387.129 χ²/NDF: 43.9/33
In: 572.289+/-549.638 χ²/NDF:20.8/15
Out: 158.518+/-524.402 χ²/NDF:24.5/18
All: 355.687+/-379.416 χ²/NDF: 45.6/34


dit_asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
105
110
115
120
125
130
135
Right In: 1451.579+/-0.389 χ²/NDF: 487836.7/15
Left Out: 1687.545+/-1.351 χ²/NDF:0.0/0
Right Out: 1434.321+/-0.386 χ²/NDF: 328590.5/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1687.545+/-1.351 χ²/NDF: 0.0/0
Right: 1442.883+/-0.274 χ²/NDF: 817420.7/33
In: 1451.579+/-0.389 χ²/NDF:487836.7/15
Out: 1453.403+/-0.371 χ²/NDF:361084.3/18
All: 1452.534+/-0.268 χ²/NDF: 848932.5/34

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -537.851+/-559.959 χ^2/NDF:0.0/0

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

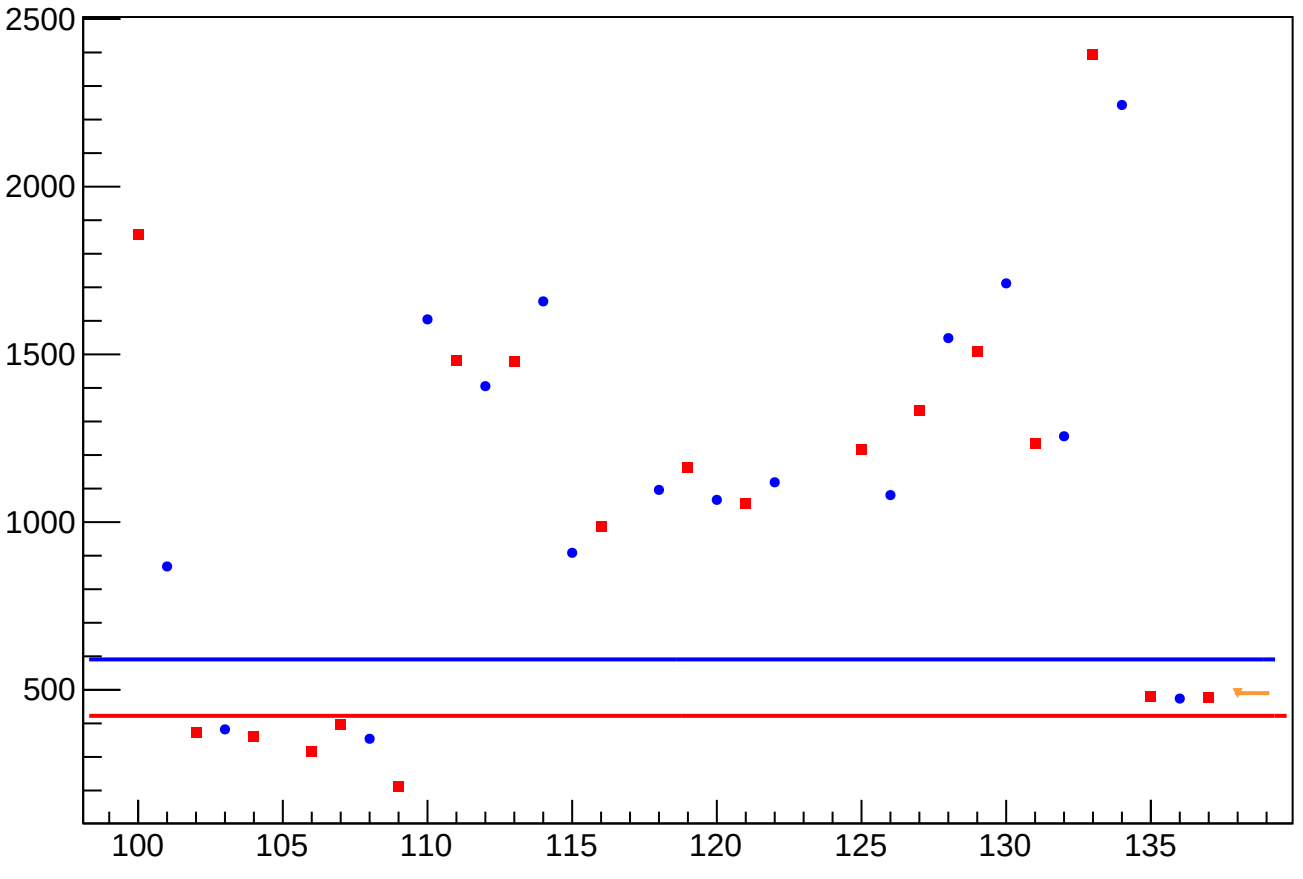
Left: -537.851+/-559.959 χ^2/NDF: 0.0/0

Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: 273.439+/-260.537 χ^2/NDF:20.2/15

Out: -176.781+/-184.939 χ^2/NDF:14.9/18

All: -25.935+/-150.808 χ^2/NDF: 37.1/34



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 490.292+/-0.396 χ^2/NDF:0.0/0

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

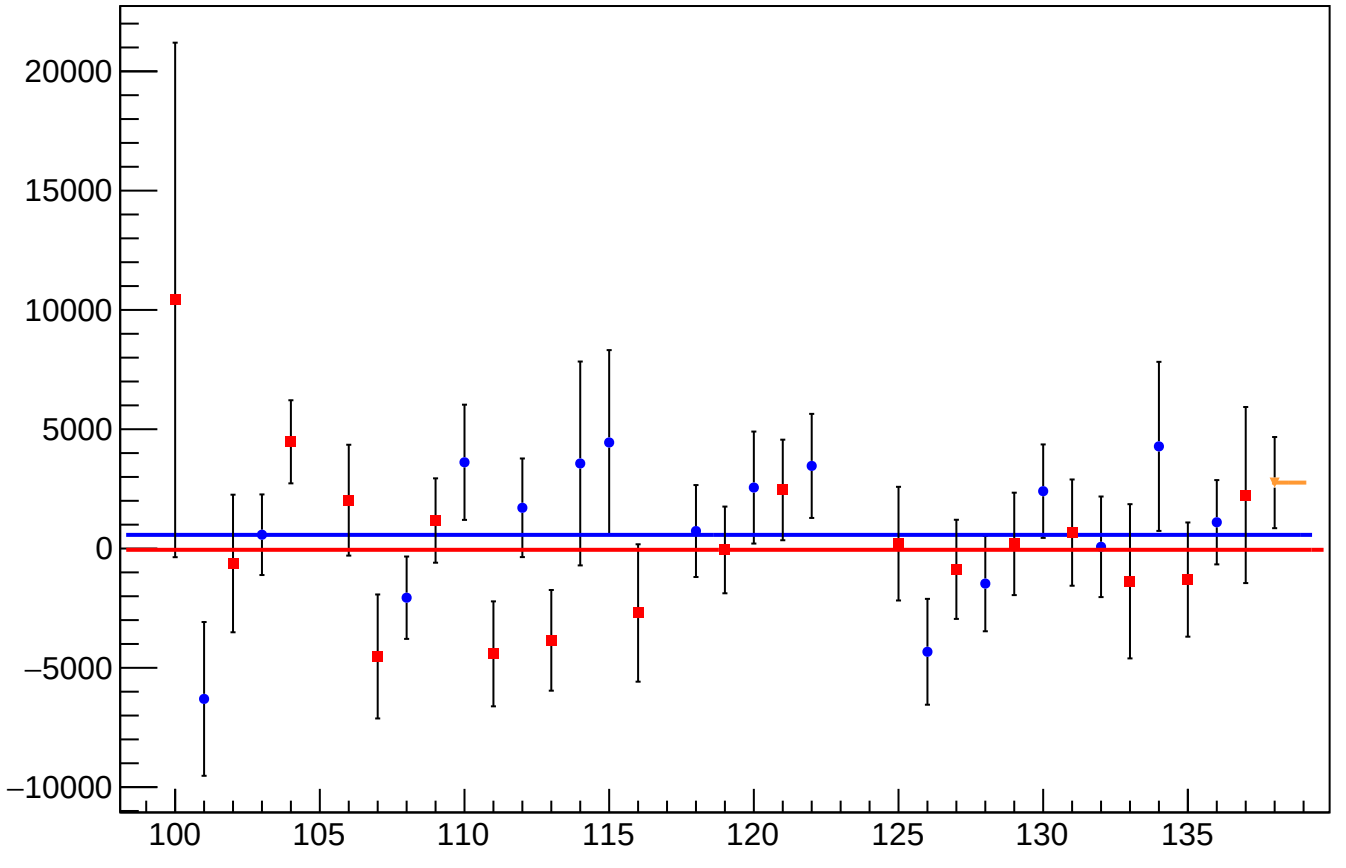
Left: 490.292+/-0.396 χ^2/NDF: 0.0/0

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 590.749+/-0.184 χ^2/NDF:3885502.1/15

Out: 430.009+/-0.131 χ^2/NDF:4884032.4/18

All: 483.865+/-0.107 χ^2/NDF: 9275740.6/34



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 2763.134+/-1910.317 χ^2/NDF:0.0/0

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

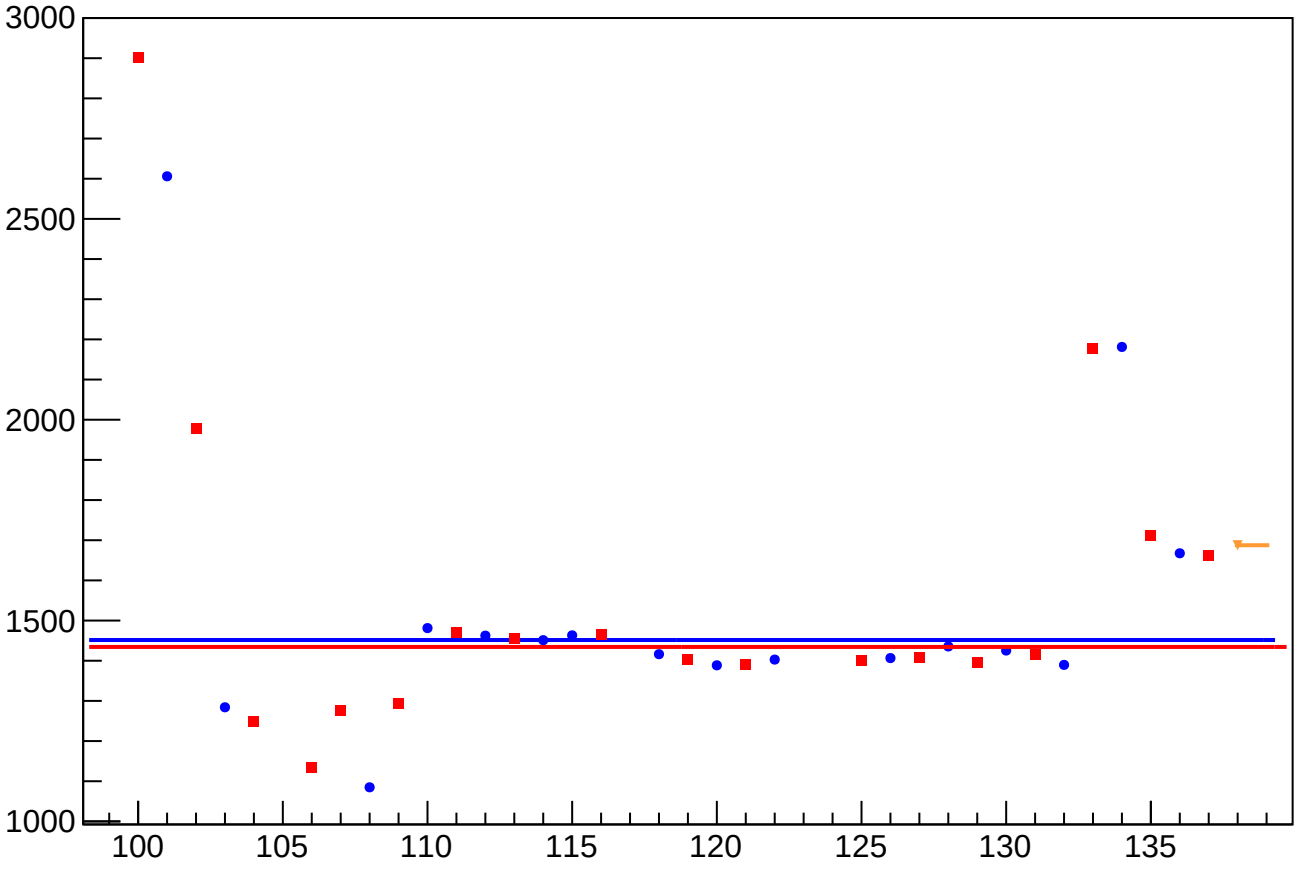
Left: 2763.134+/-1910.317 χ^2/NDF: 0.0/0

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 572.290+/-549.638 χ^2/NDF:20.8/15

Out: 158.517+/-524.402 χ^2/NDF:24.5/18

All: 355.687+/-379.416 χ^2/NDF: 45.6/34



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1687.545+/-1.351 χ^2/NDF:0.0/0

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1687.545+/-1.351 χ^2/NDF: 0.0/0

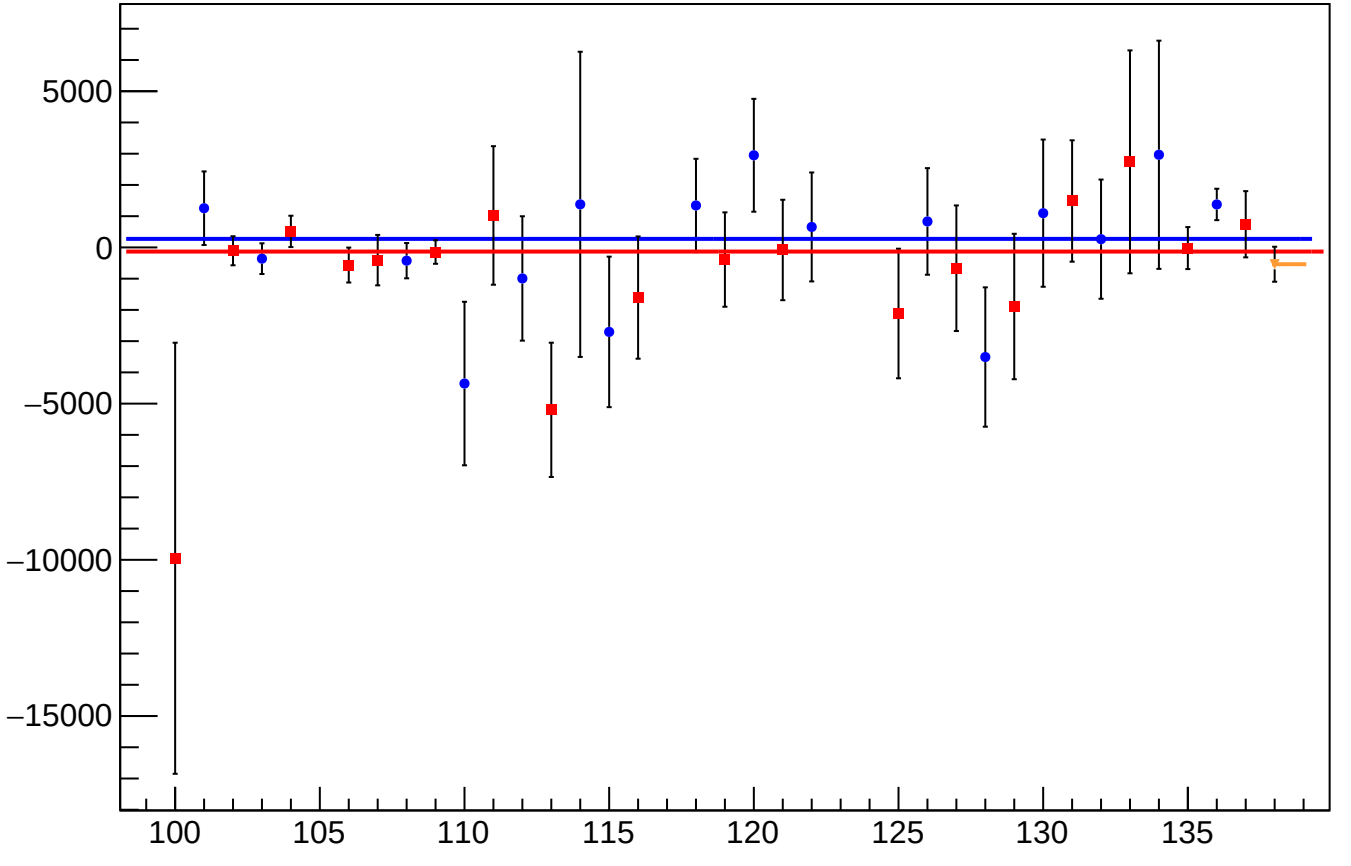
Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1451.579+/-0.389 χ^2/NDF:487836.2/15

Out: 1453.403+/-0.371 χ^2/NDF:361084.4/18

All: 1452.534+/-0.268 χ^2/NDF: 848932.2/34

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -537.884+/-559.983 χ^2/NDF:0.0/0

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -537.884+/-559.983 χ^2/NDF: 0.0/0

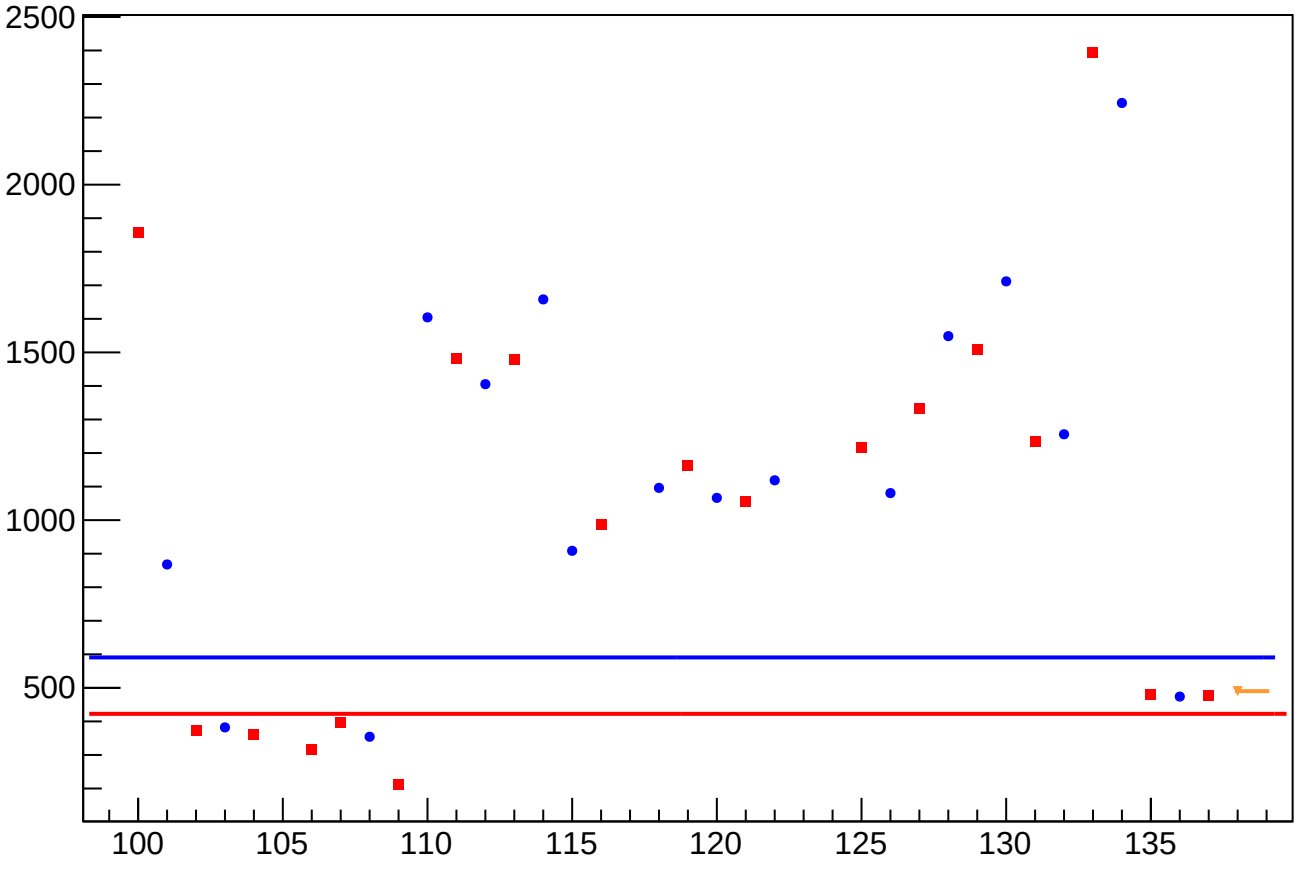
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: 273.429+/-260.536 χ^2/NDF:20.2/15

Out: -176.776+/-184.941 χ^2/NDF:14.9/18

All: -25.933+/-150.809 χ^2/NDF: 37.1/34

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: 490.314+/-0.396 χ^2/NDF:0.0/0

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

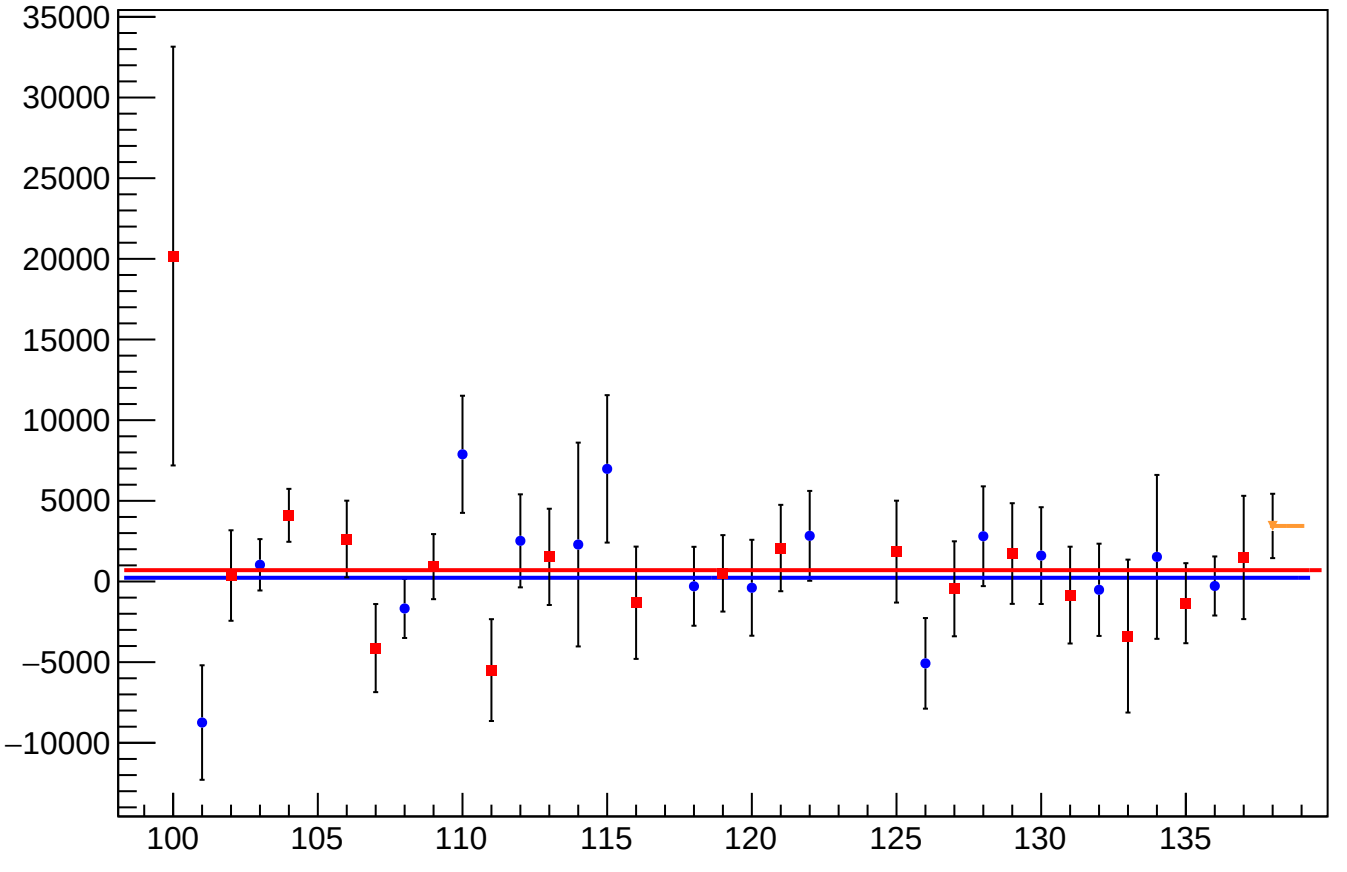
Left: 490.314+/-0.396 χ^2/NDF: 0.0/0

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 590.747+/-0.184 χ^2/NDF:3885530.6/15

Out: 430.016+/-0.131 χ^2/NDF:4883960.7/18

All: 483.870+/-0.107 χ^2/NDF: 9275640.0/34



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: 3442.959+/-1994.211 χ^2/NDF:0.0/0

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

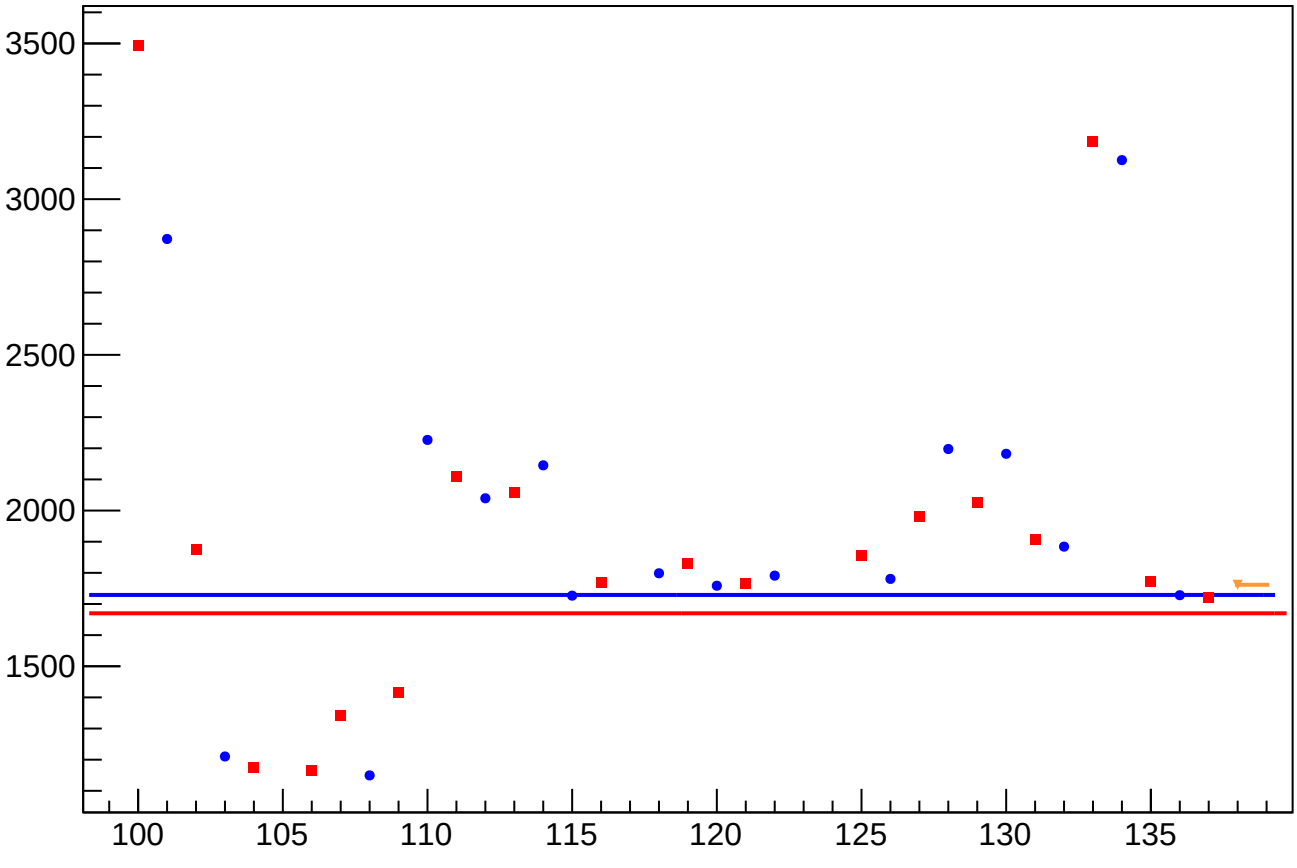
Left: 3442.959+/-1994.211 χ^2/NDF: 0.0/0

Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 230.761+/-666.241 χ^2/NDF:20.7/15

Out: 964.245+/-616.555 χ^2/NDF:18.7/18

All: 625.870+/-452.517 χ^2/NDF: 40.1/34



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1761.642+/-1.410 χ^2/NDF:0.0/0

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

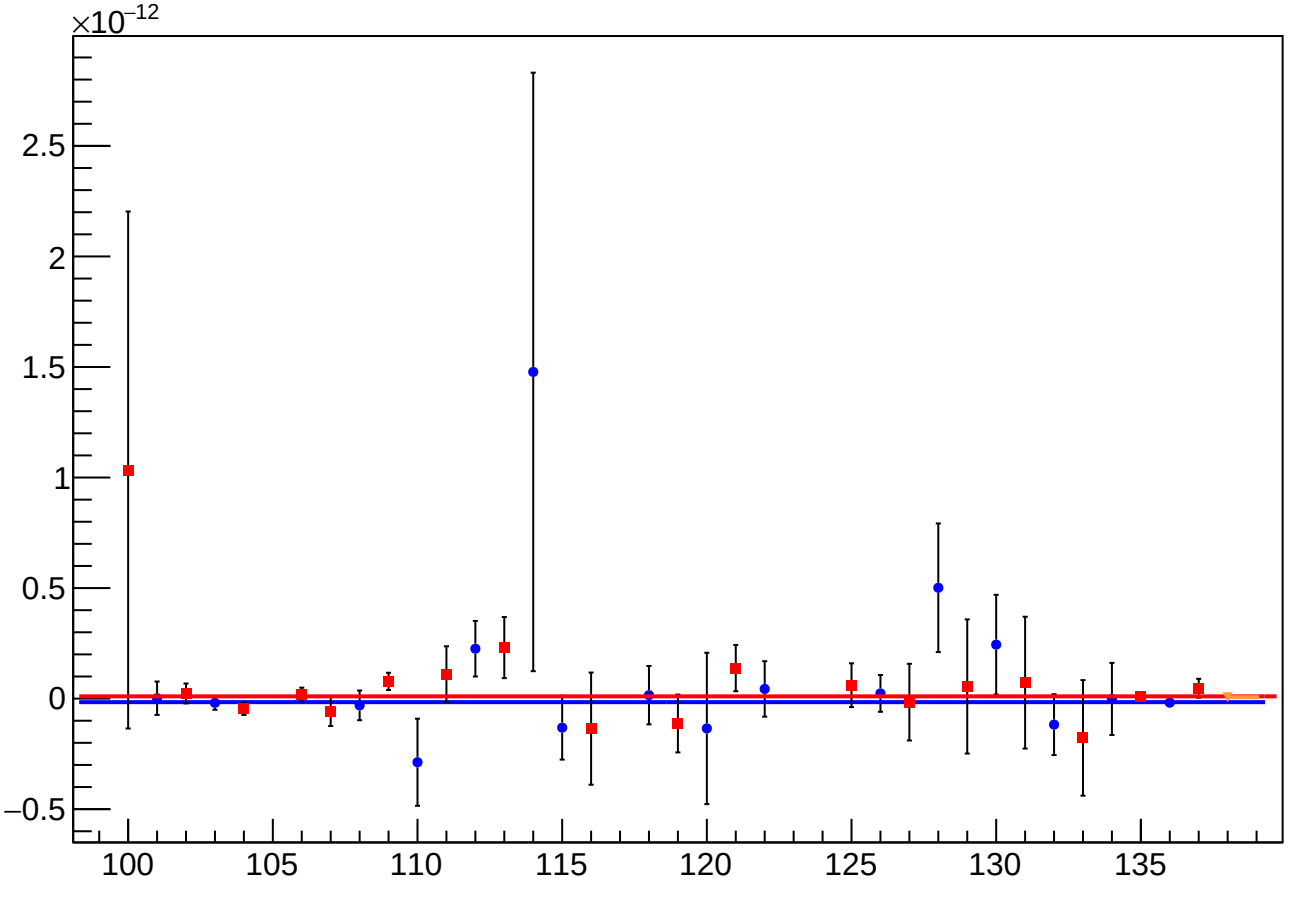
Left: 1761.642+/-1.410 χ^2/NDF: 0.0/0

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1729.050+/-0.471 χ^2/NDF:942079.1/15

Out: 1678.811+/-0.436 χ^2/NDF:748267.2/18

All: 1701.987+/-0.320 χ^2/NDF: 1696472.3/34



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

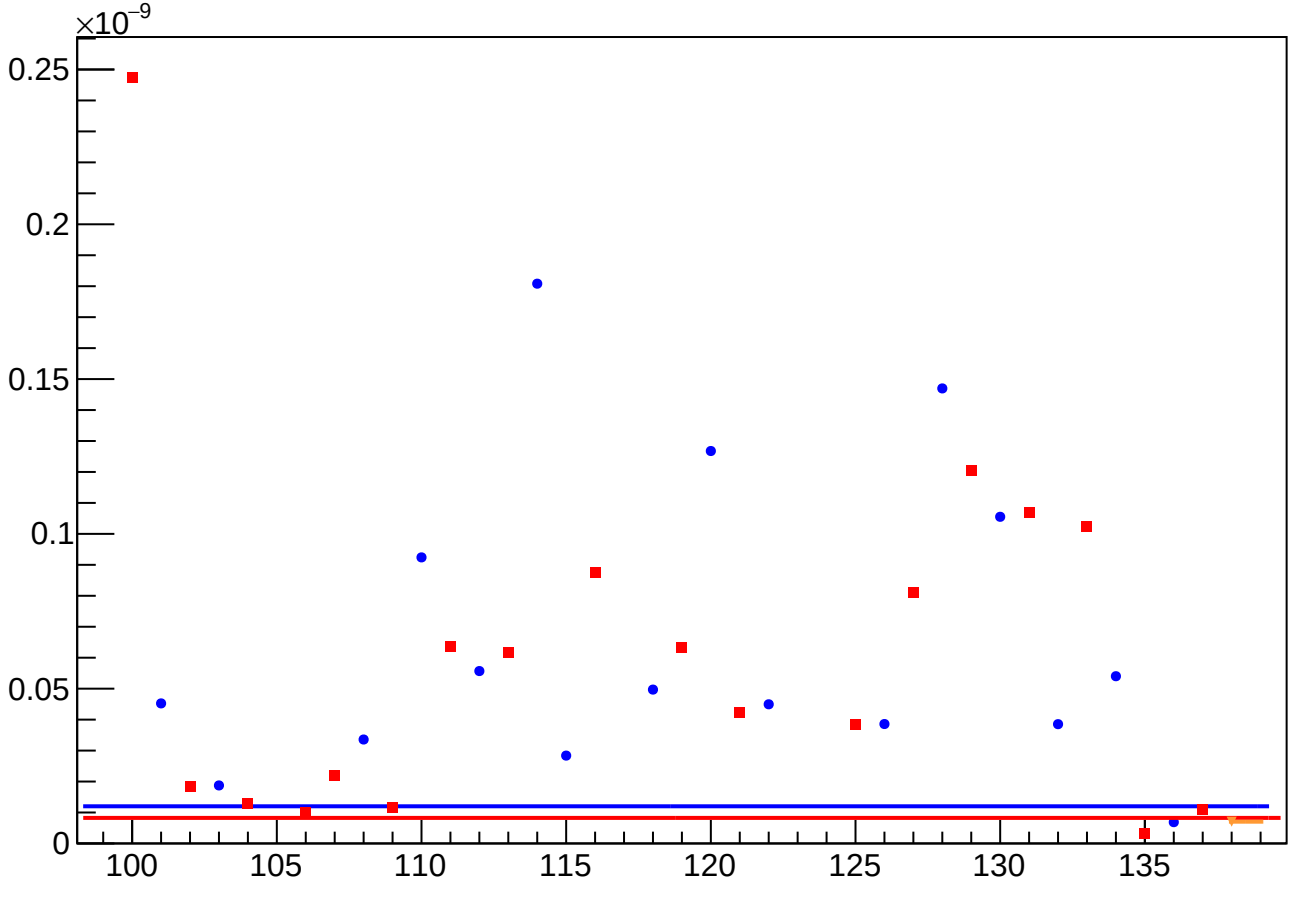
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:13.3/15

Out: 0.000+/-0.000 χ^2/NDF:16.5/18

All: 0.000+/-0.000 χ^2/NDF: 33.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

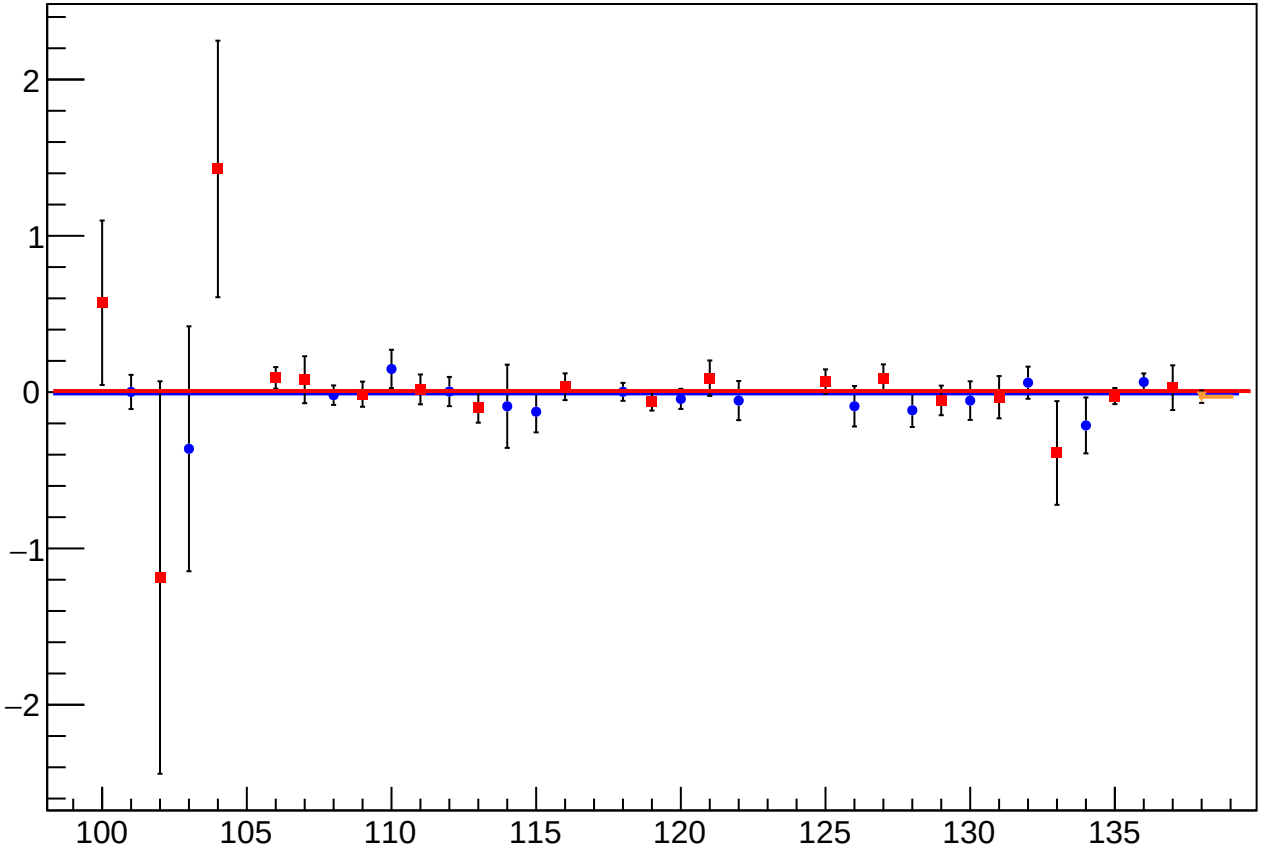
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:3425893.8/15

Out: 0.000+/-0.000 χ^2/NDF:3523063.2/18

All: 0.000+/-0.000 χ^2/NDF: 7169866.1/34

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: -0.029+/-0.040 χ^2/NDF:0.0/0

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.029+/-0.040 χ^2/NDF: 0.0/0

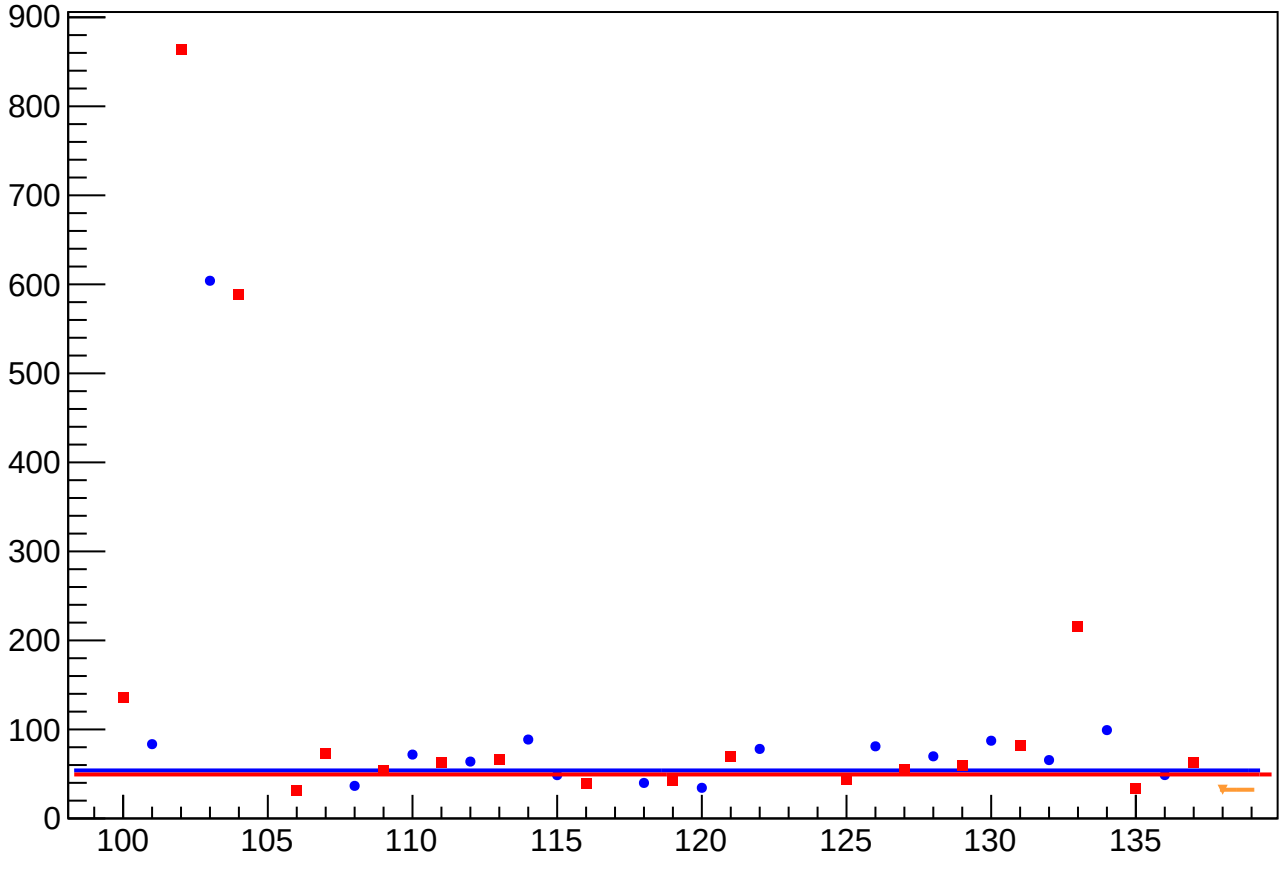
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.008+/-0.023 χ^2/NDF:8.3/15

Out: -0.001+/-0.019 χ^2/NDF:14.3/18

All: -0.004+/-0.015 χ^2/NDF: 22.7/34

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: 32.260+/-0.028 χ^2/NDF:0.0/0

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 32.260+/-0.028 χ^2/NDF: 0.0/0

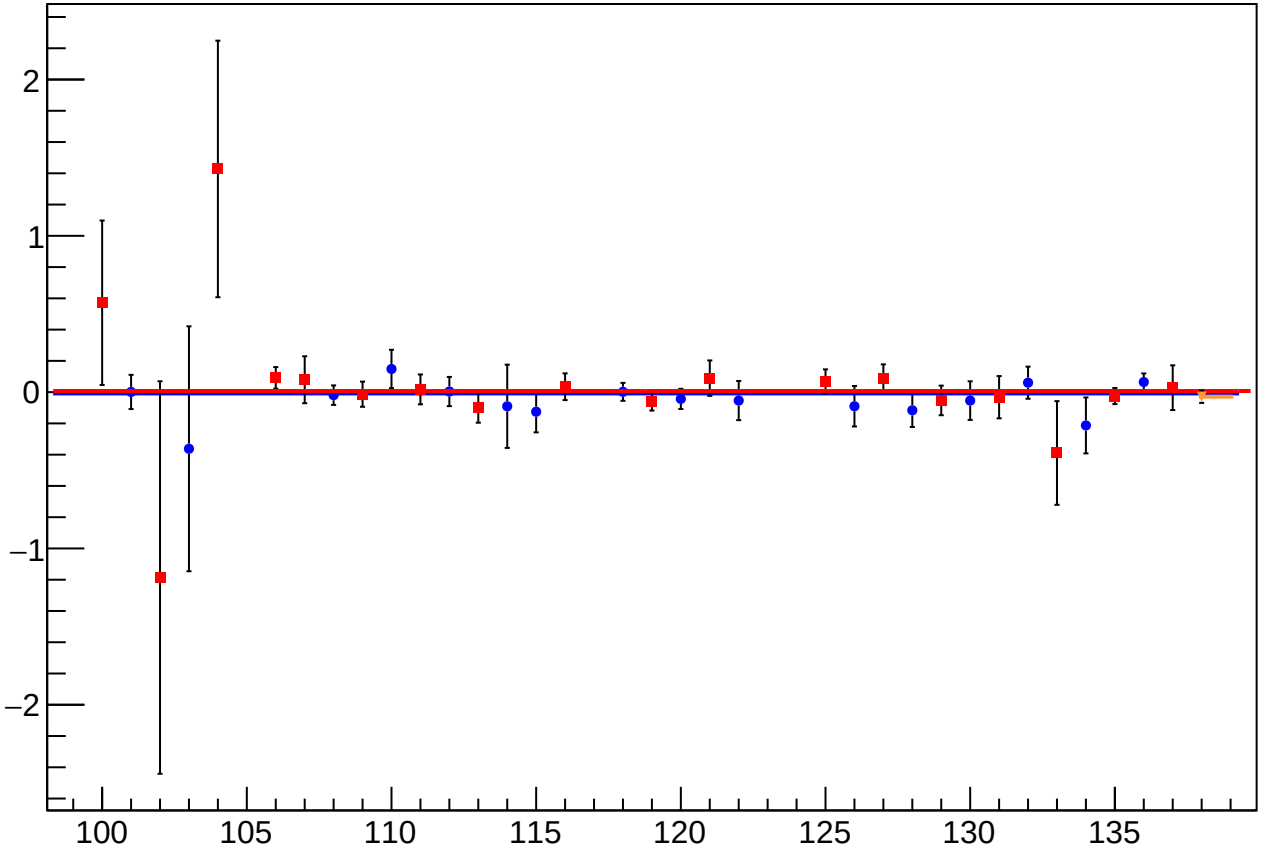
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 53.926+/-0.016 χ^2/NDF:2214348.1/15

Out: 45.361+/-0.014 χ^2/NDF:3299739.2/18

All: 48.906+/-0.011 χ^2/NDF: 5675124.9/34

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: -0.029+/-0.040 χ^2/NDF:0.0/0

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.029+/-0.040 χ^2/NDF: 0.0/0

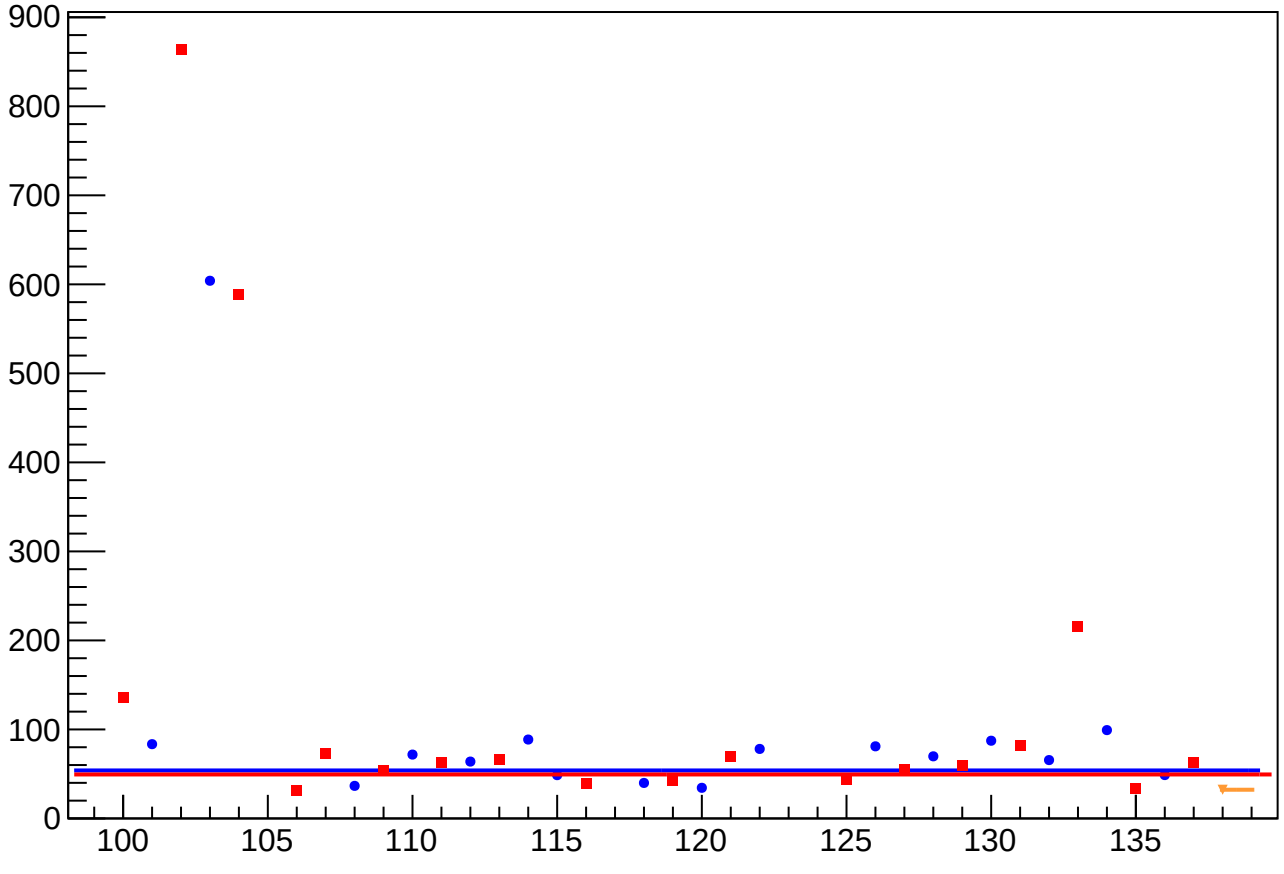
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.008+/-0.023 χ^2/NDF:8.3/15

Out: -0.001+/-0.019 χ^2/NDF:14.3/18

All: -0.004+/-0.015 χ^2/NDF: 22.7/34

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: 32.260+/-0.028 χ^2/NDF:0.0/0

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

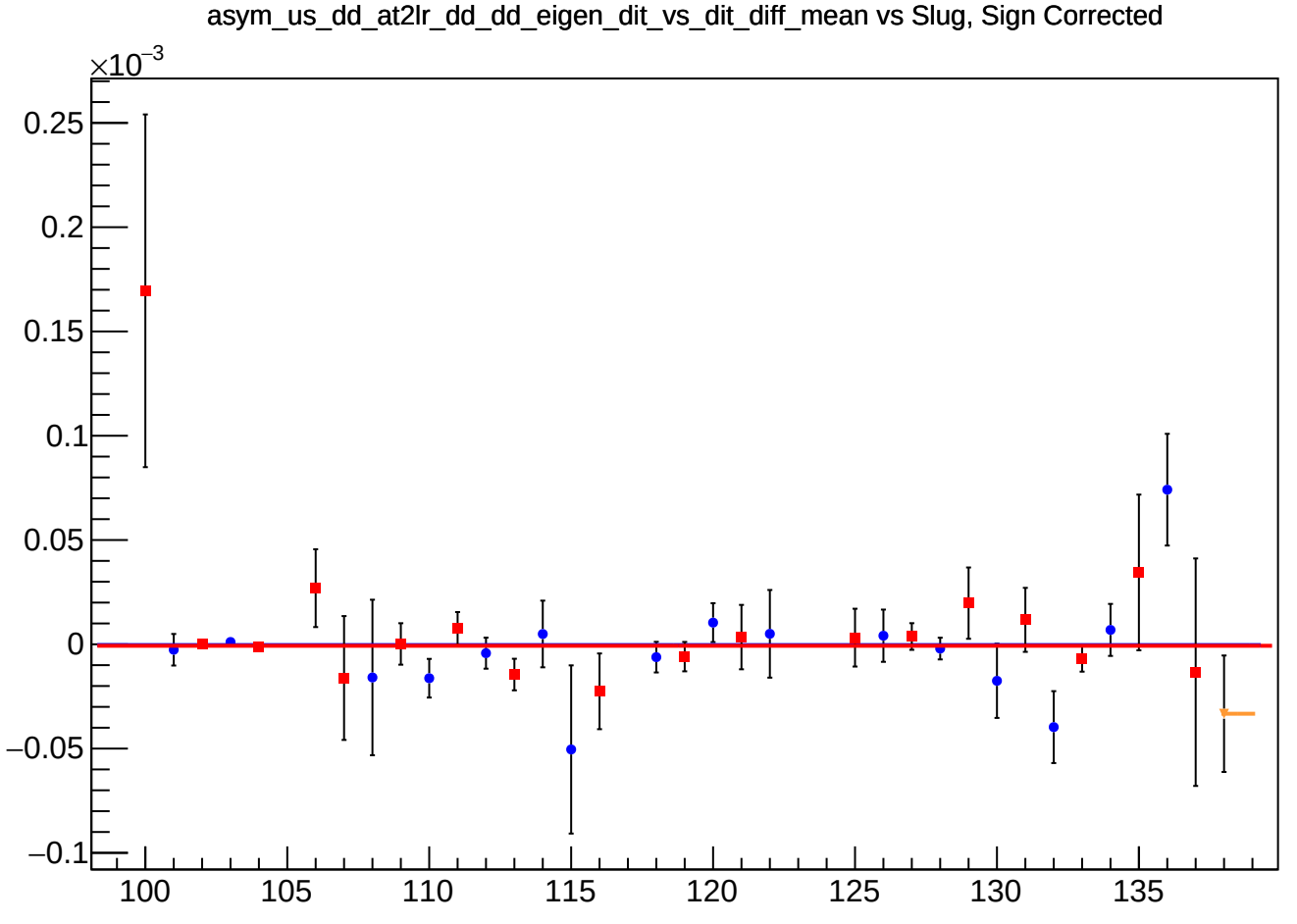
Left: 32.260+/-0.028 χ^2/NDF: 0.0/0

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 53.926+/-0.016 χ^2/NDF:2214348.1/15

Out: 45.361+/-0.014 χ^2/NDF:3299739.2/18

All: 48.906+/-0.011 χ^2/NDF: 5675124.9/34



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

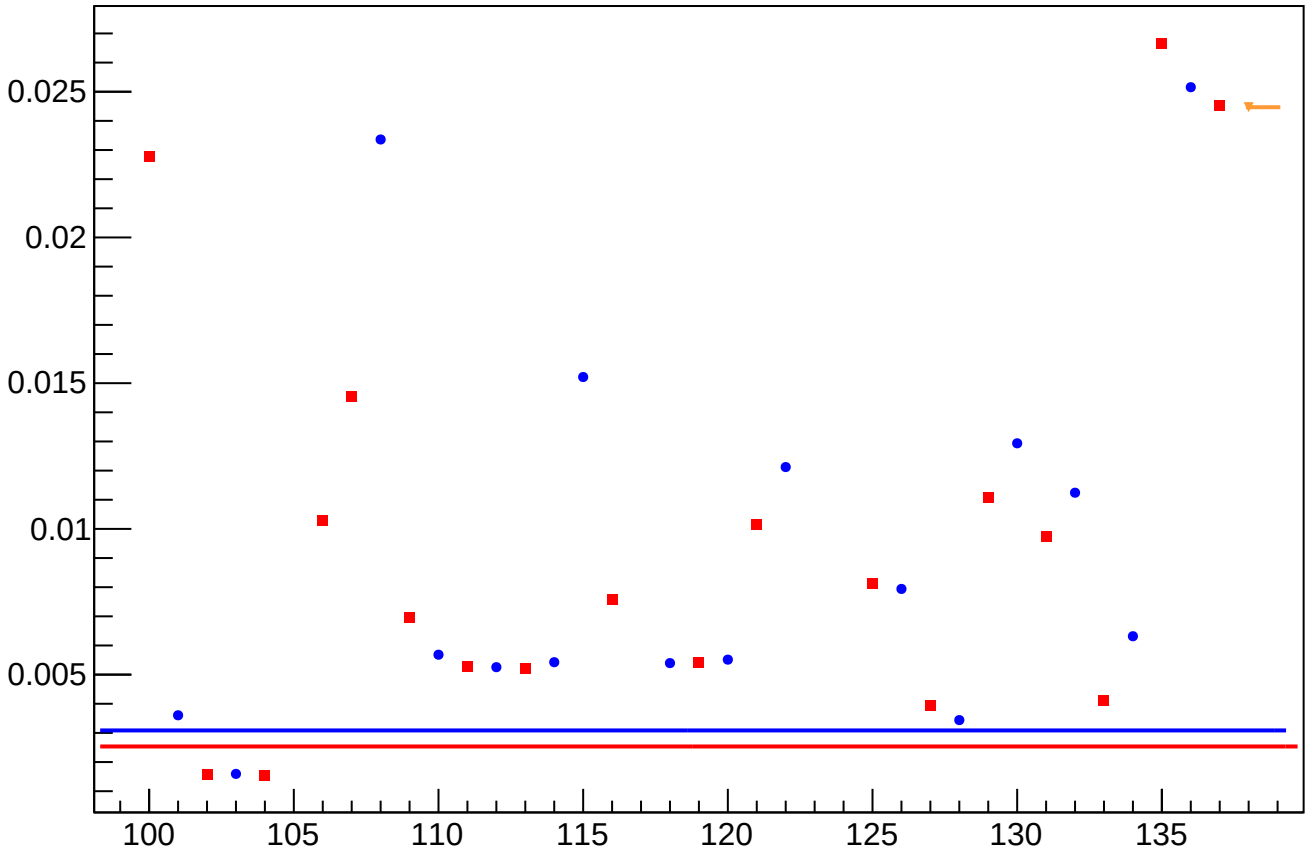
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: -0.000+/-0.000 χ^2/NDF:22.1/15

Out: -0.000+/-0.000 χ^2/NDF:19.2/18

All: -0.000+/-0.000 χ^2/NDF: 41.4/34



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.024+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.024+/-0.000 χ^2/NDF: 0.0/0

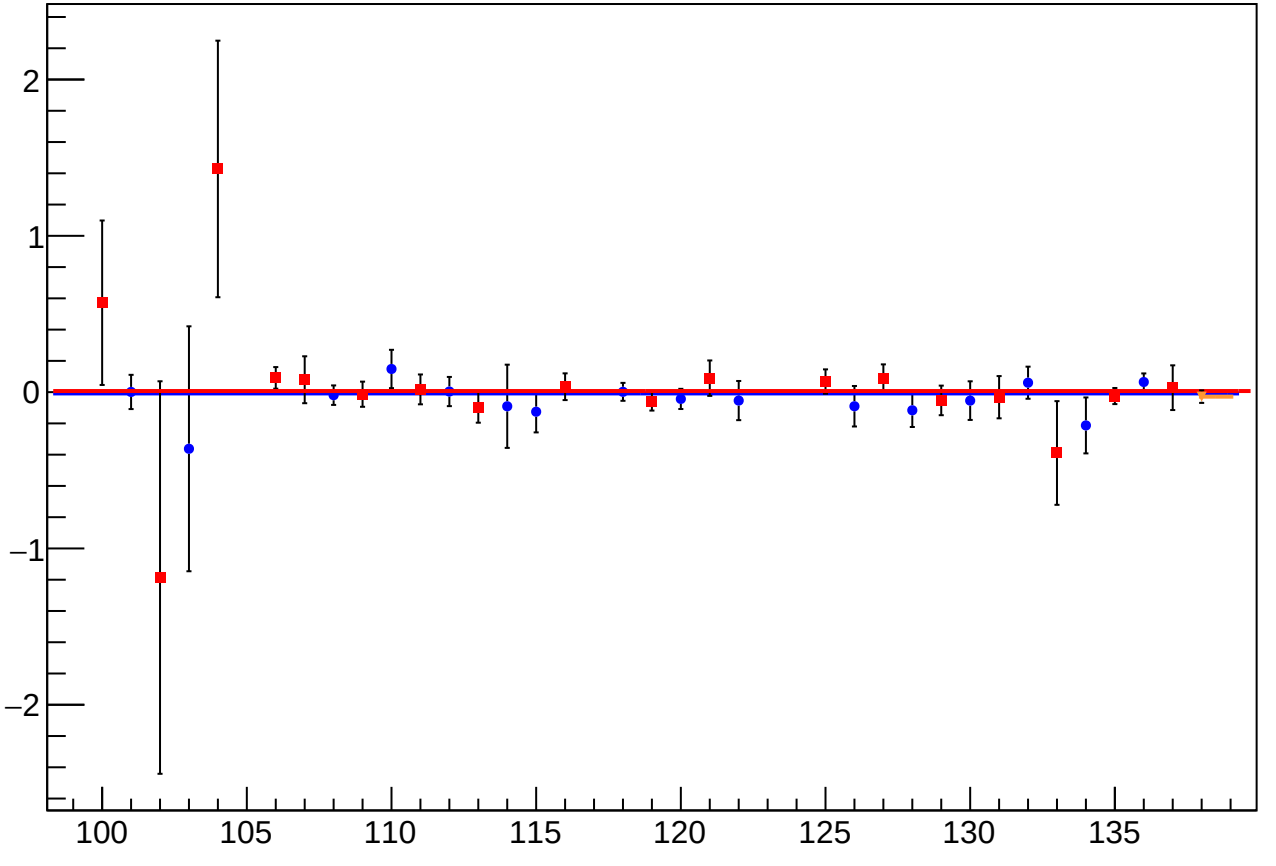
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.003+/-0.000 χ^2/NDF:5779108.6/15

Out: 0.003+/-0.000 χ^2/NDF:7468516.6/18

All: 0.003+/-0.000 χ^2/NDF: 13368166.7/34

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: -0.029+/-0.040 χ^2/NDF:0.0/0

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.029+/-0.040 χ^2/NDF: 0.0/0

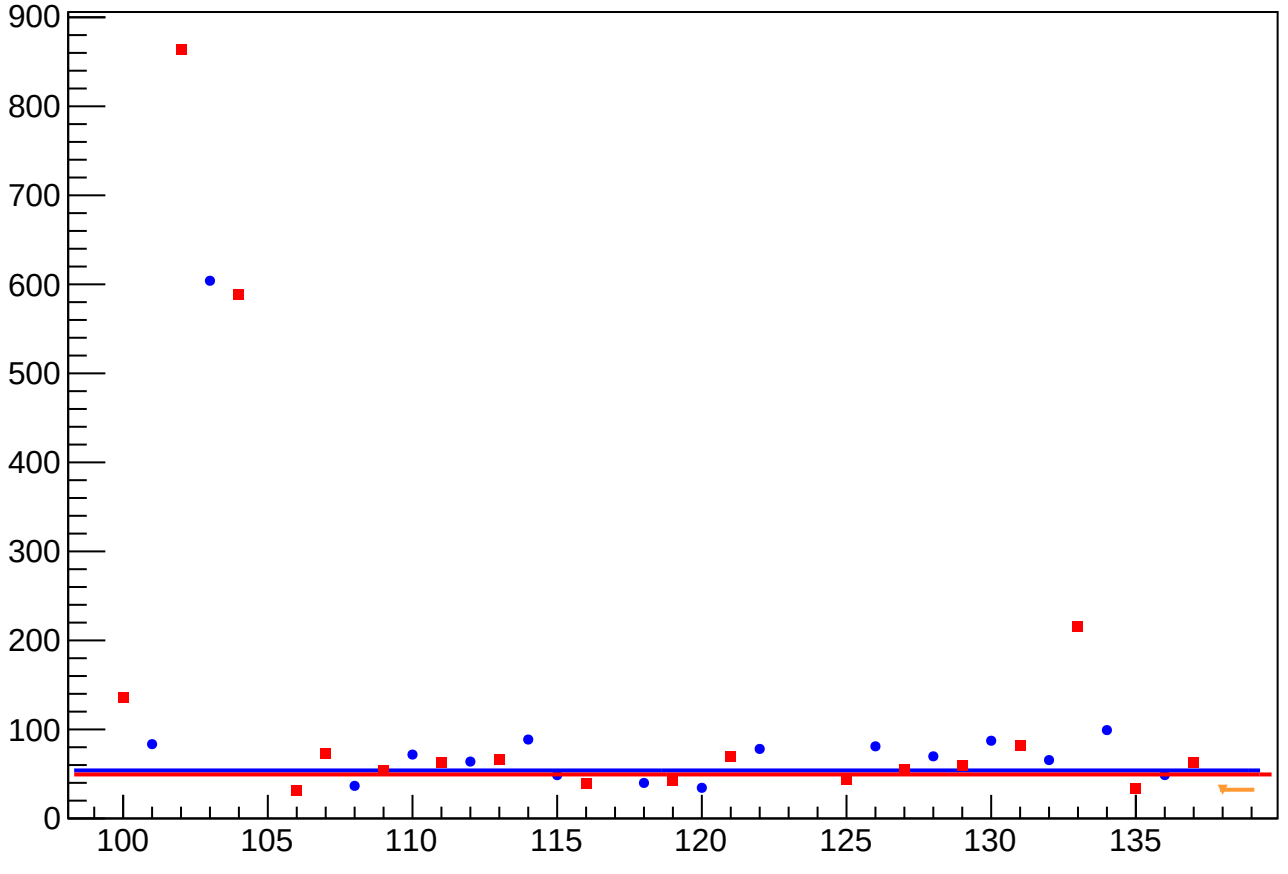
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.008+/-0.023 χ^2/NDF:8.3/15

Out: -0.001+/-0.019 χ^2/NDF:14.3/18

All: -0.004+/-0.015 χ^2/NDF: 22.7/34

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: 32.268+/-0.028 χ^2/NDF:0.0/0

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 32.268+/-0.028 χ^2/NDF: 0.0/0

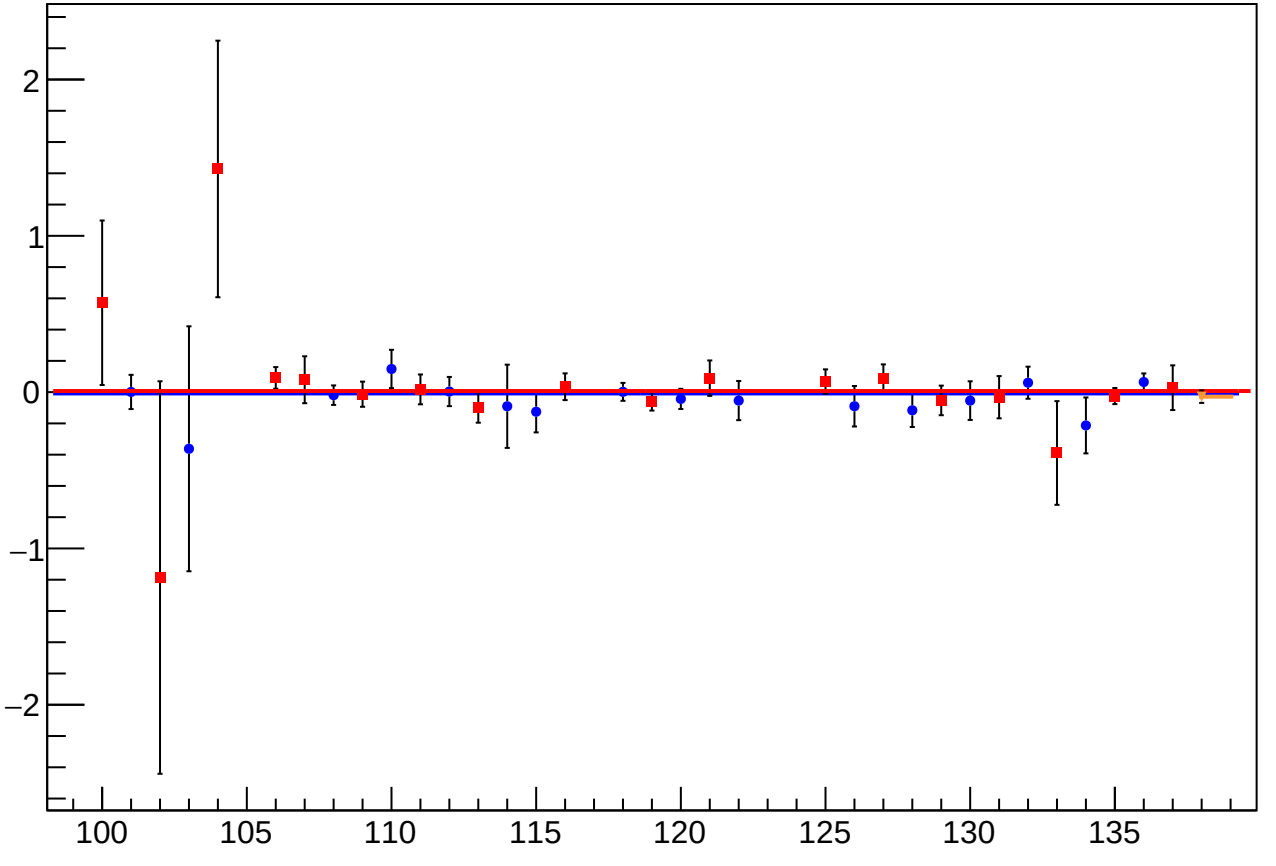
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 53.929+/-0.016 χ^2/NDF:2213950.2/15

Out: 45.366+/-0.014 χ^2/NDF:3299165.5/18

All: 48.910+/-0.011 χ^2/NDF: 5674092.1/34

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: -0.029+/-0.040 χ^2/NDF:0.0/0

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.029+/-0.040 χ^2/NDF: 0.0/0

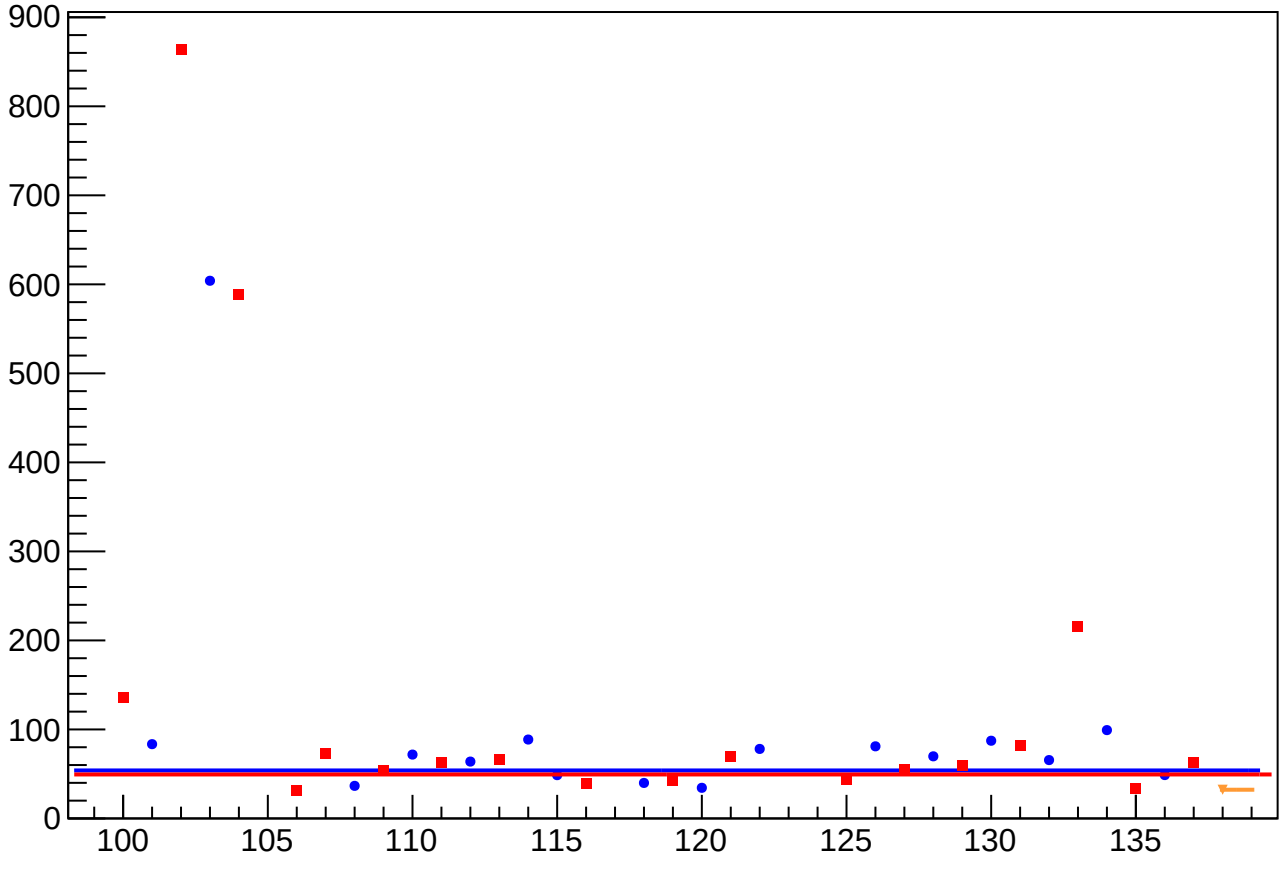
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.008+/-0.023 χ^2/NDF:8.3/15

Out: -0.001+/-0.019 χ^2/NDF:14.3/18

All: -0.004+/-0.015 χ^2/NDF: 22.7/34

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: 32.268+/-0.028 χ^2/NDF:0.0/0

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

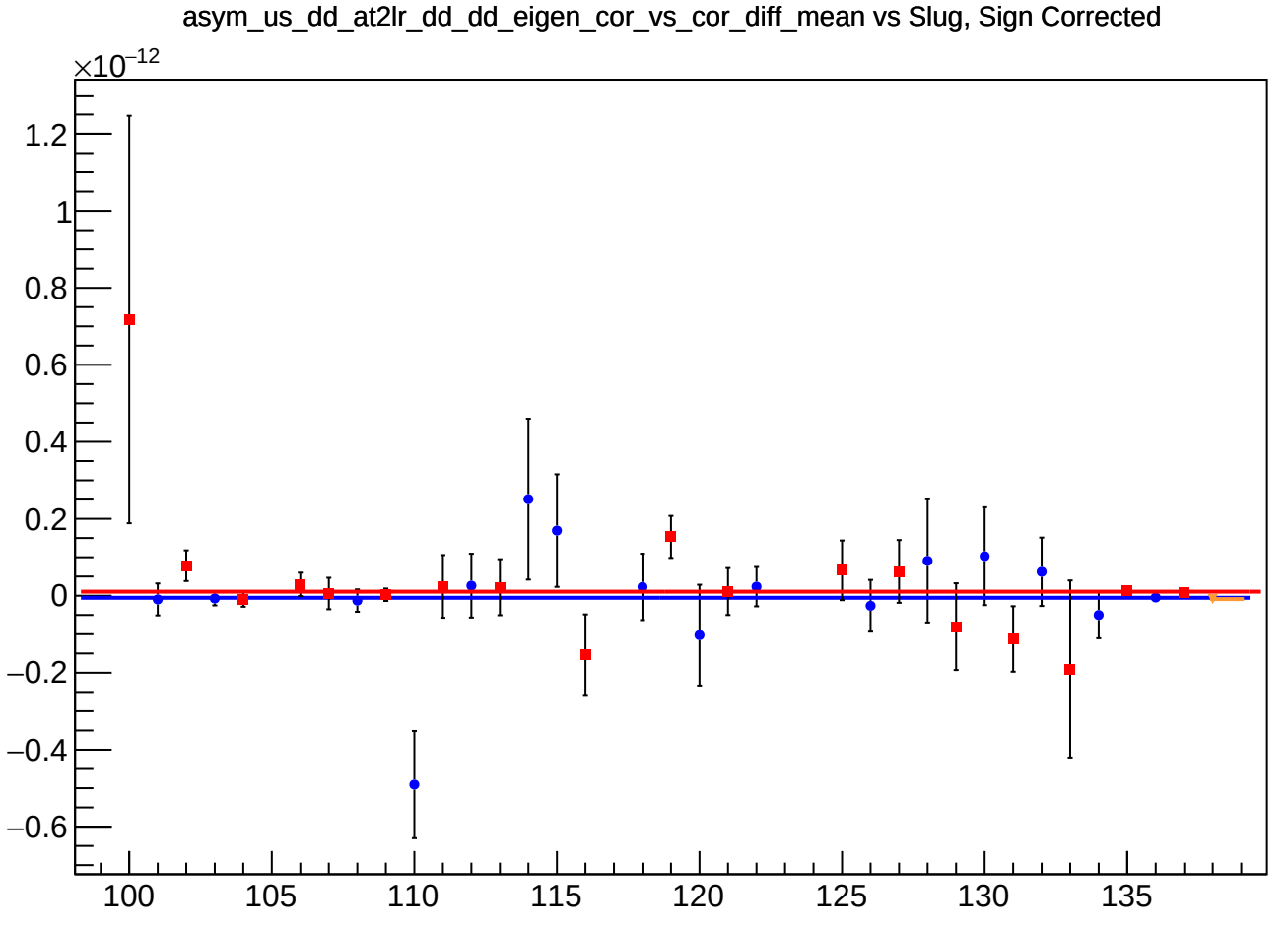
Left: 32.268+/-0.028 χ^2/NDF: 0.0/0

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 53.929+/-0.016 χ^2/NDF:2213950.2/15

Out: 45.366+/-0.014 χ^2/NDF:3299165.5/18

All: 48.910+/-0.011 χ^2/NDF: 5674092.1/34



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

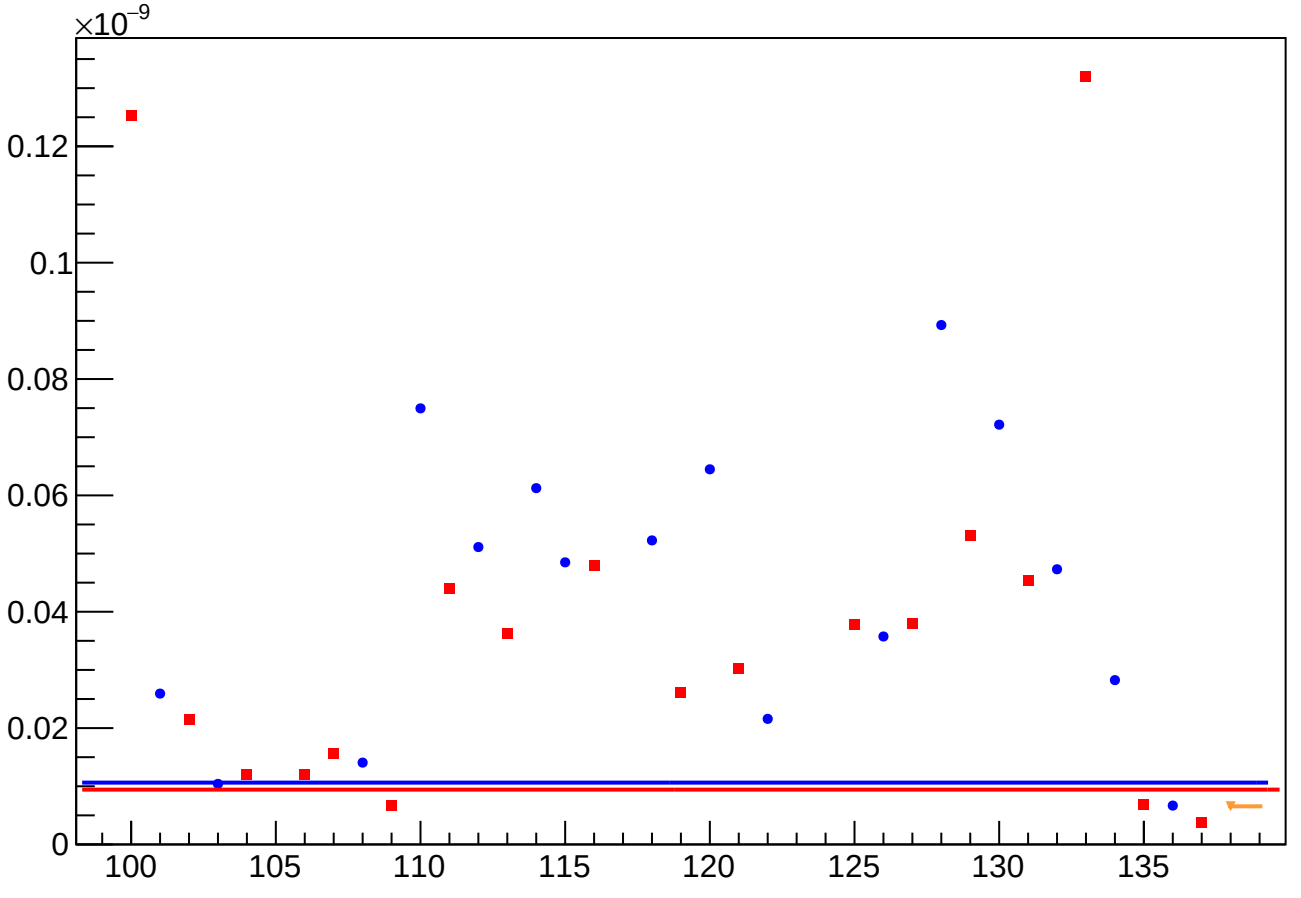
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:18.6/15

Out: 0.000+/-0.000 χ^2/NDF:23.1/18

All: 0.000+/-0.000 χ^2/NDF: 42.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

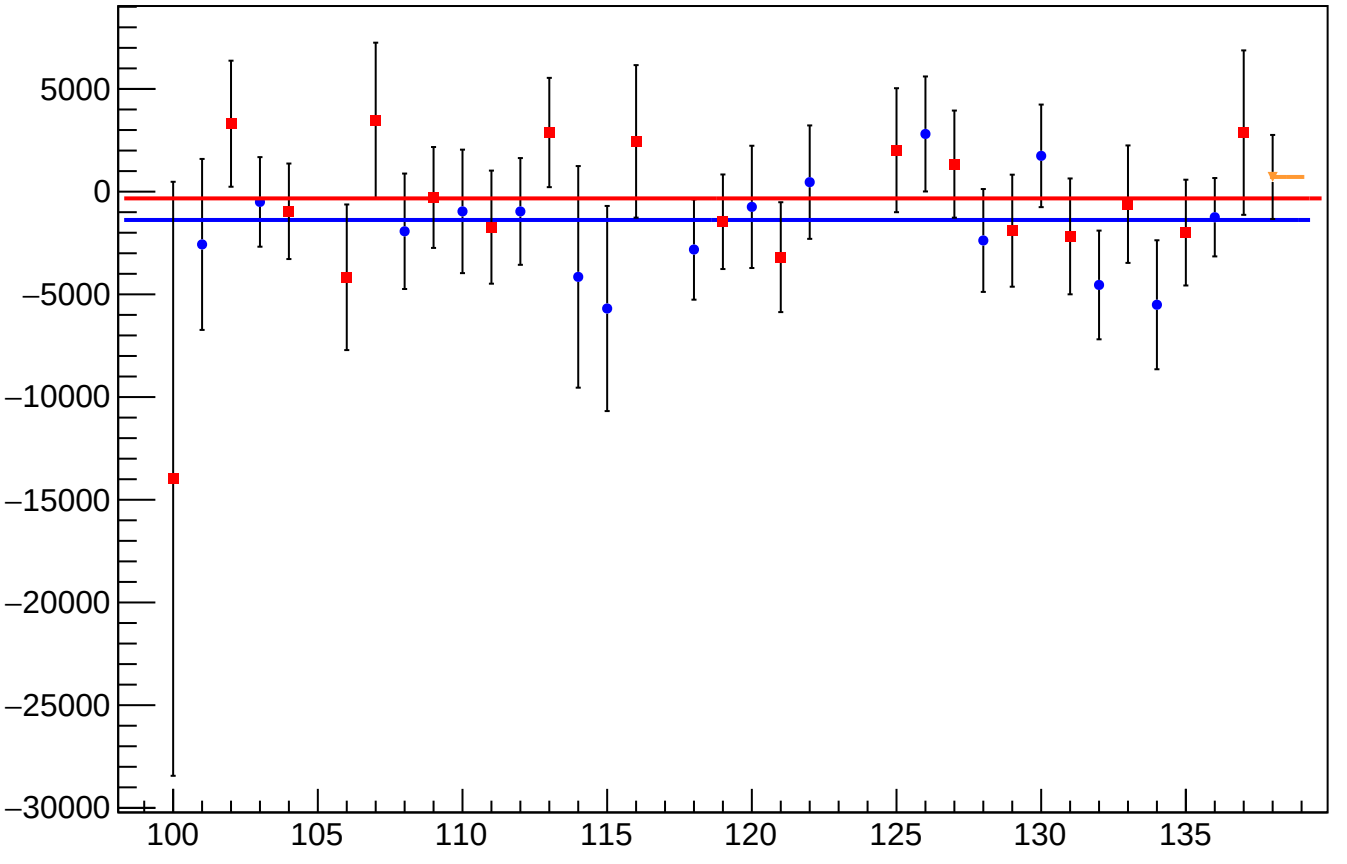
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:4557309.1/15

Out: 0.000+/-0.000 χ^2/NDF:4163752.6/18

All: 0.000+/-0.000 χ^2/NDF: 8849284.8/34



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 715.165+/-2045.677 χ^2/NDF:0.0/0

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

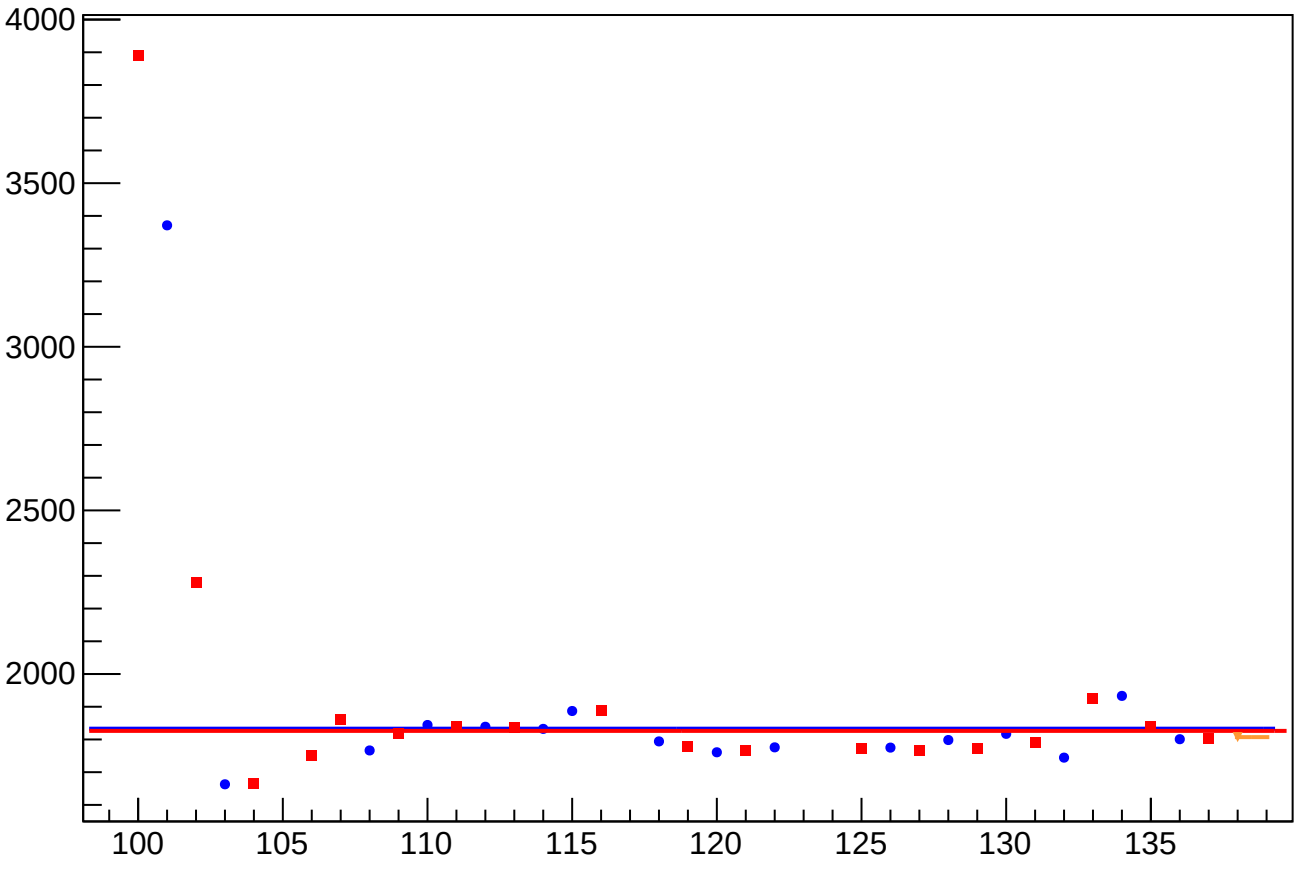
Left: 715.165+/-2045.677 χ^2/NDF: 0.0/0

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1378.758+/-689.030 χ^2/NDF:9.3/15

Out: -223.826+/-648.603 χ^2/NDF:11.3/18

All: -766.419+/-472.277 χ^2/NDF: 22.1/34



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1807.148+/-0.447 χ^2/NDF:0.0/0

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

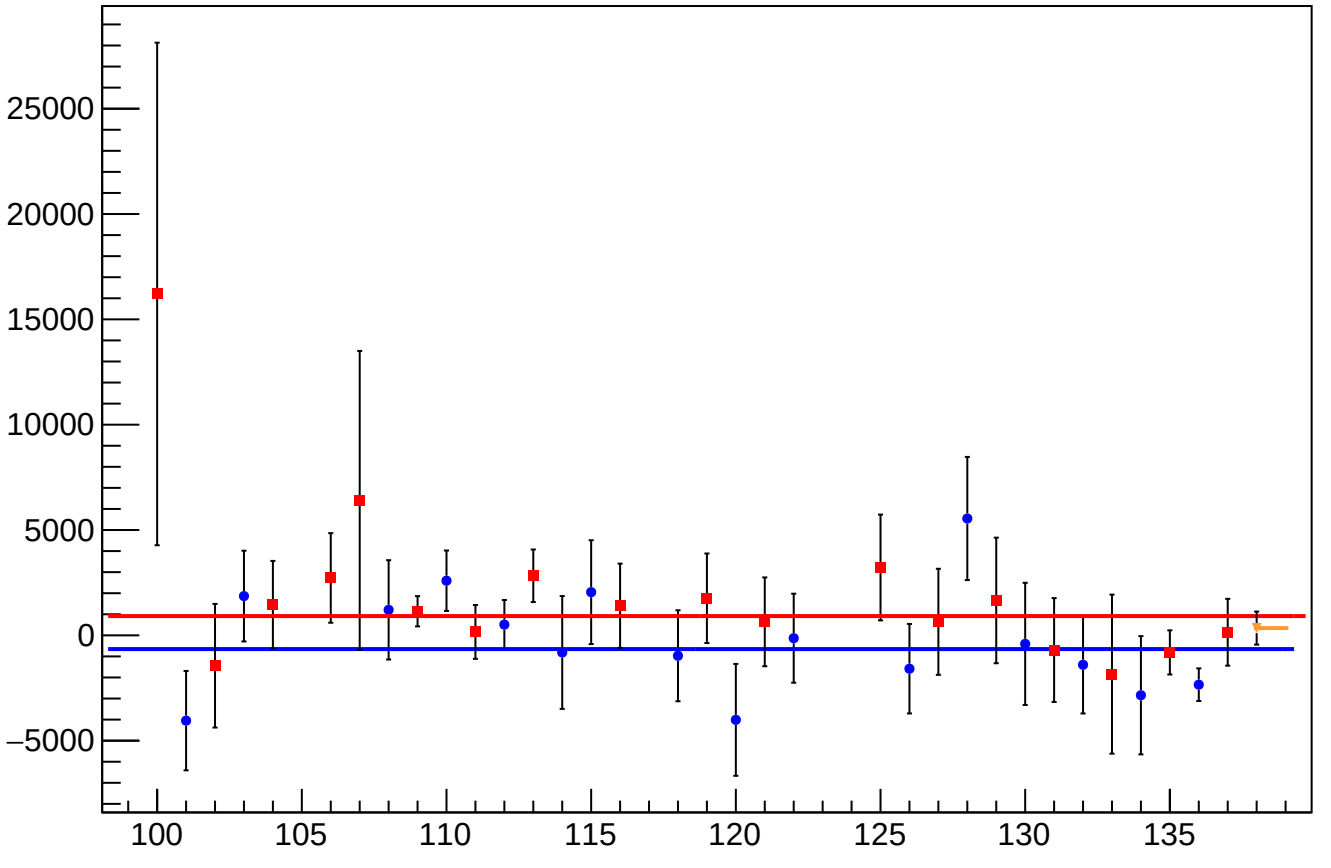
Left: 1807.148+/-1.447 χ^2/NDF: 0.0/0

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1832.947+/-0.487 χ^2/NDF:295439.4/15

Out: 1824.292+/-0.459 χ^2/NDF:103162.7/18

All: 1828.358+/-0.334 χ^2/NDF: 398769.4/34



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: 344.521+/-783.947 χ^2/NDF:0.0/0

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 344.521+/-783.947 χ^2/NDF: 0.0/0

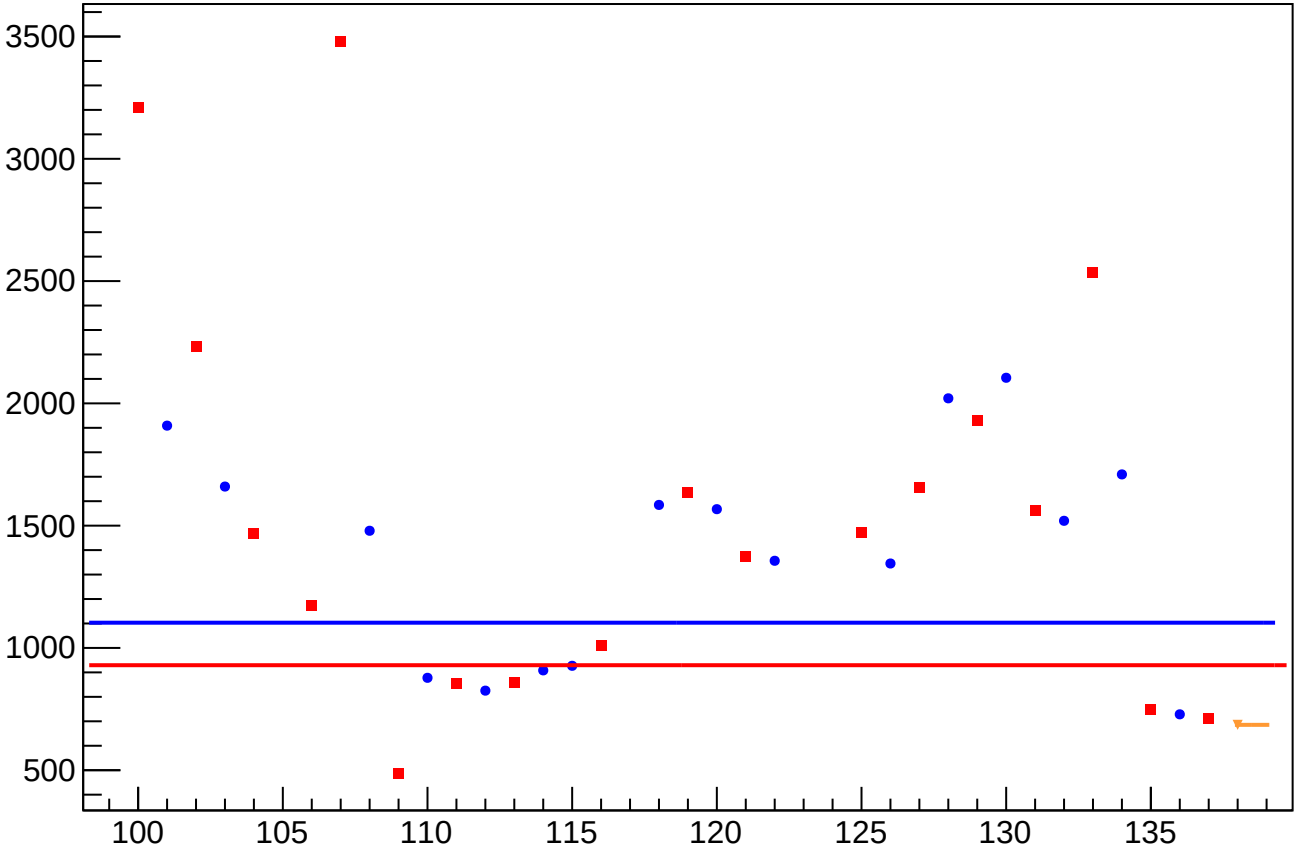
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -651.944+/-442.135 χ^2/NDF:23.2/15

Out: 800.004+/-351.627 χ^2/NDF:12.0/18

All: 237.463+/-275.205 χ^2/NDF: 41.8/34

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: 685.481+/-0.554 χ^2/NDF:0.0/0

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

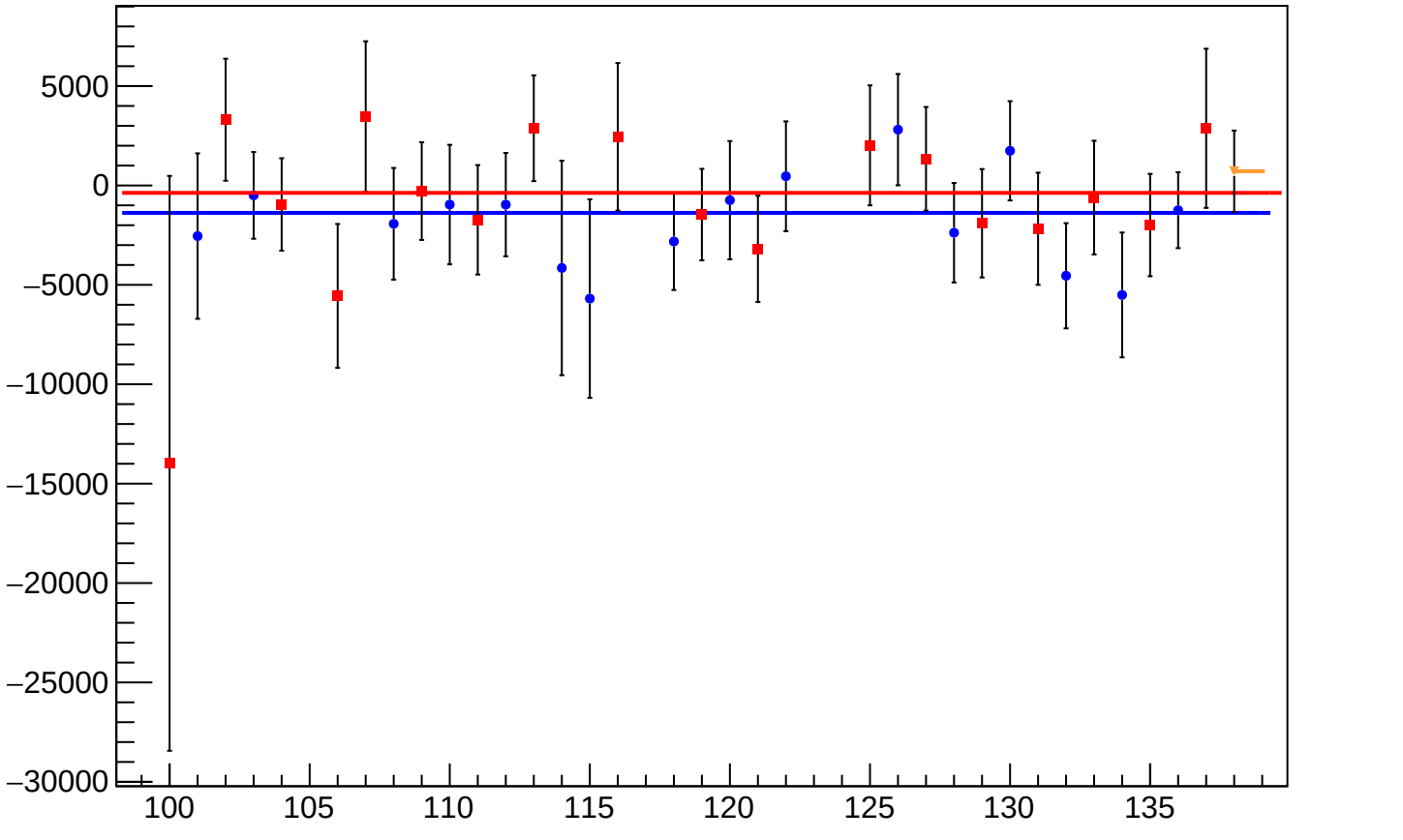
Left: 685.481+/-0.554 χ^2/NDF: 0.0/0

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 1103.183+/-0.313 χ^2/NDF:1878176.1/15

Out: 880.293+/-0.249 χ^2/NDF:3208703.1/18

All: 966.649+/-0.195 χ^2/NDF: 5398231.5/34



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 715.204+/-2045.677 χ^2/NDF:0.0/0

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

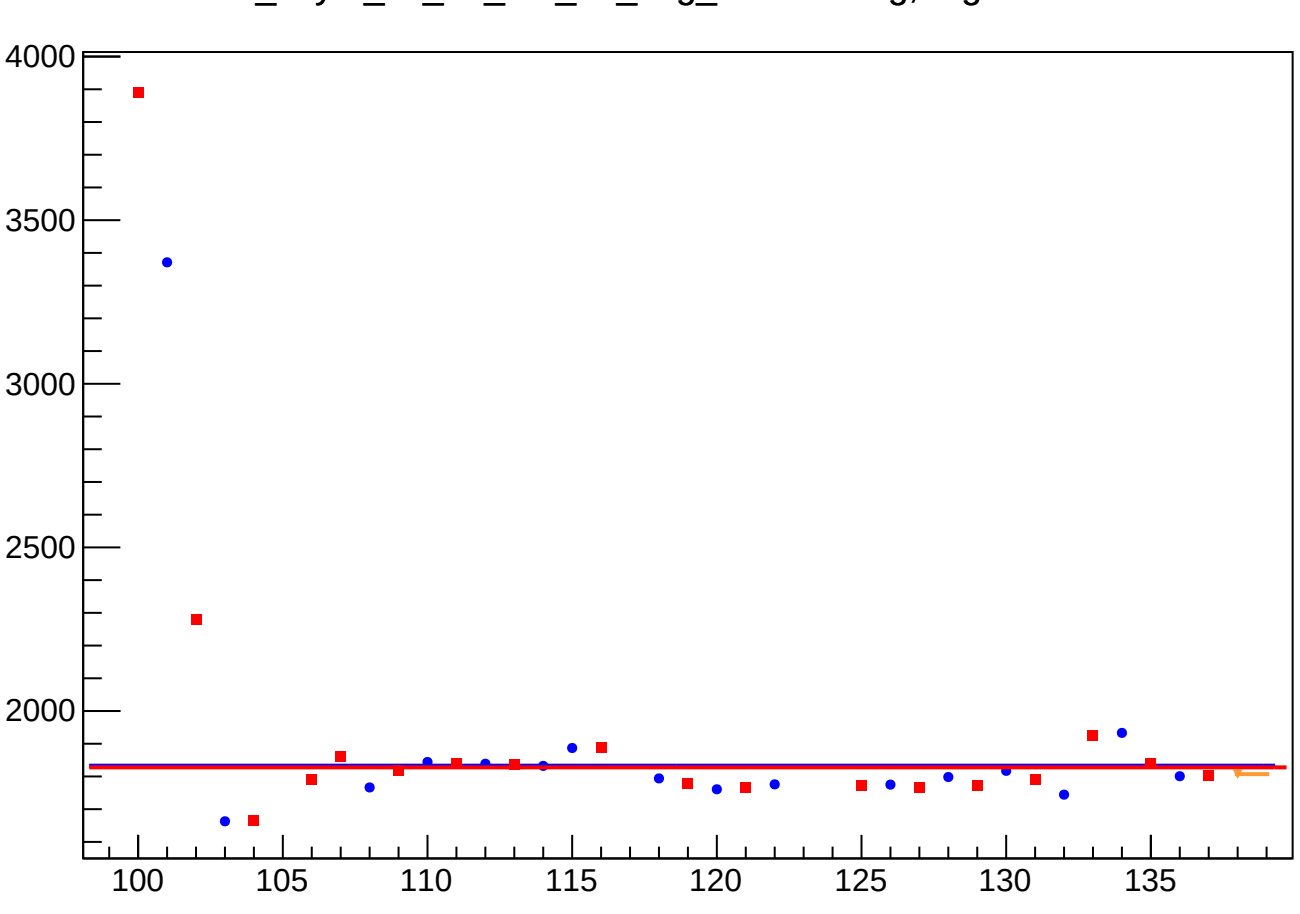
Left: 715.204+/-2045.677 χ^2/NDF: 0.0/0

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1378.133+/-689.030 χ^2/NDF:9.3/15

Out: -263.037+/-649.047 χ^2/NDF:12.2/18

All: -787.295+/-472.448 χ^2/NDF: 22.9/34



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1807.148+/-1.447 χ^2/NDF:0.0/0

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

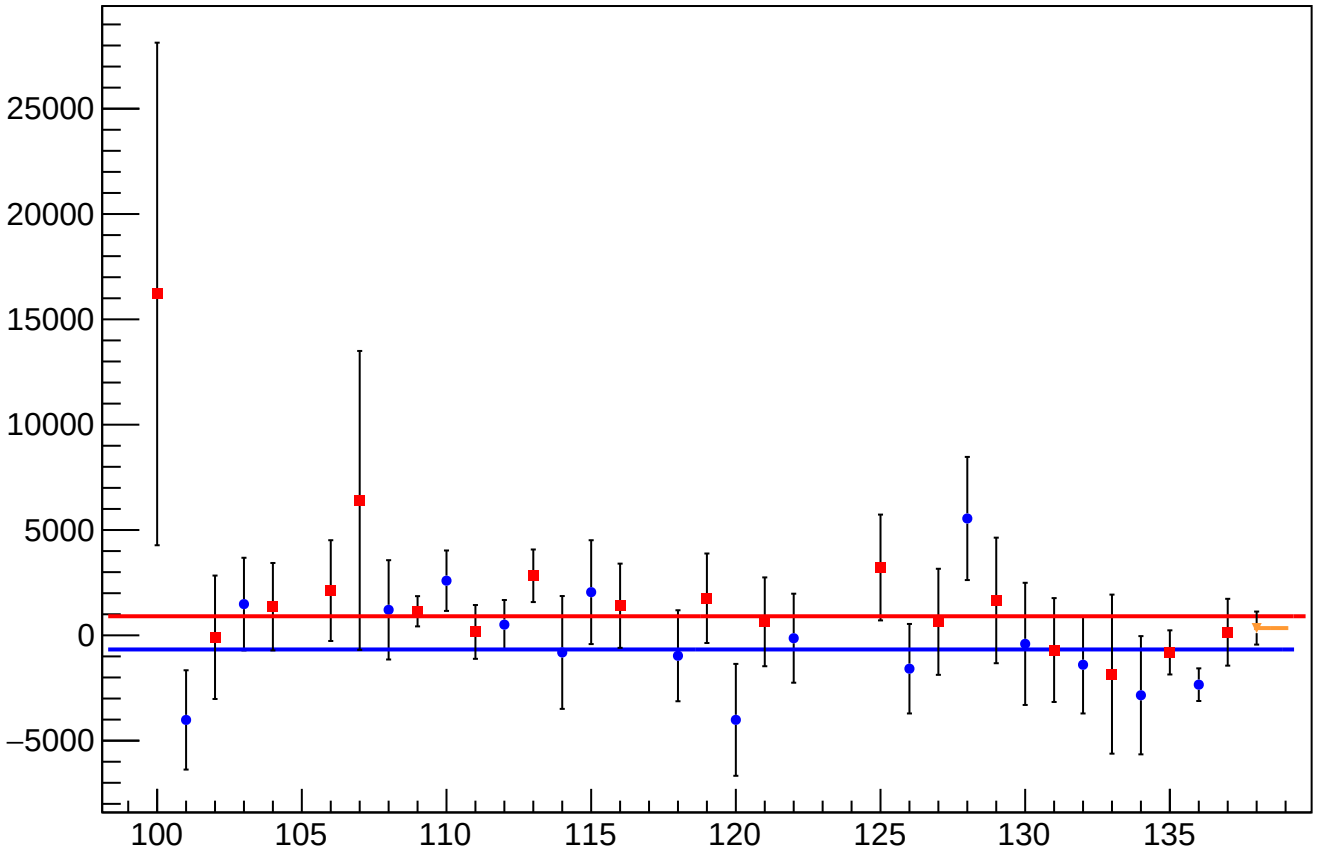
Left: 1807.148+/-1.447 χ^2/NDF: 0.0/0

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1832.947+/-0.487 χ^2/NDF:295441.2/15

Out: 1825.708+/-0.459 χ^2/NDF:102453.3/18

All: 1829.111+/-0.334 χ^2/NDF: 398011.5/34



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: 344.505+/-783.939 χ^2/NDF:0.0/0

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

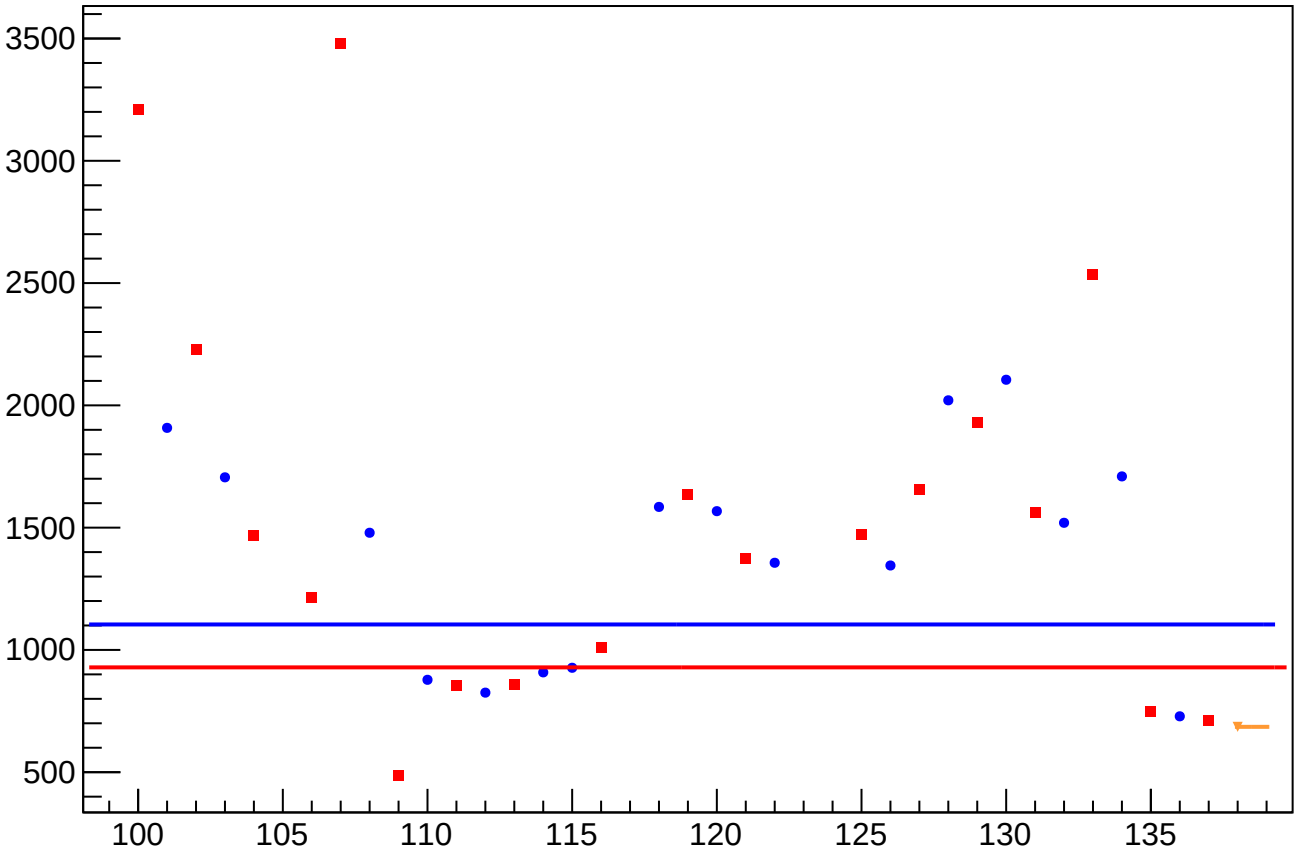
Left: 344.505+/-783.939 χ^2/NDF: 0.0/0

Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -670.539+/-442.505 χ^2/NDF:22.8/15

Out: 792.295+/-352.619 χ^2/NDF:10.9/18

All: 224.160+/-275.770 χ^2/NDF: 40.4/34



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 685.476+/-0.554 χ^2/NDF:0.0/0

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

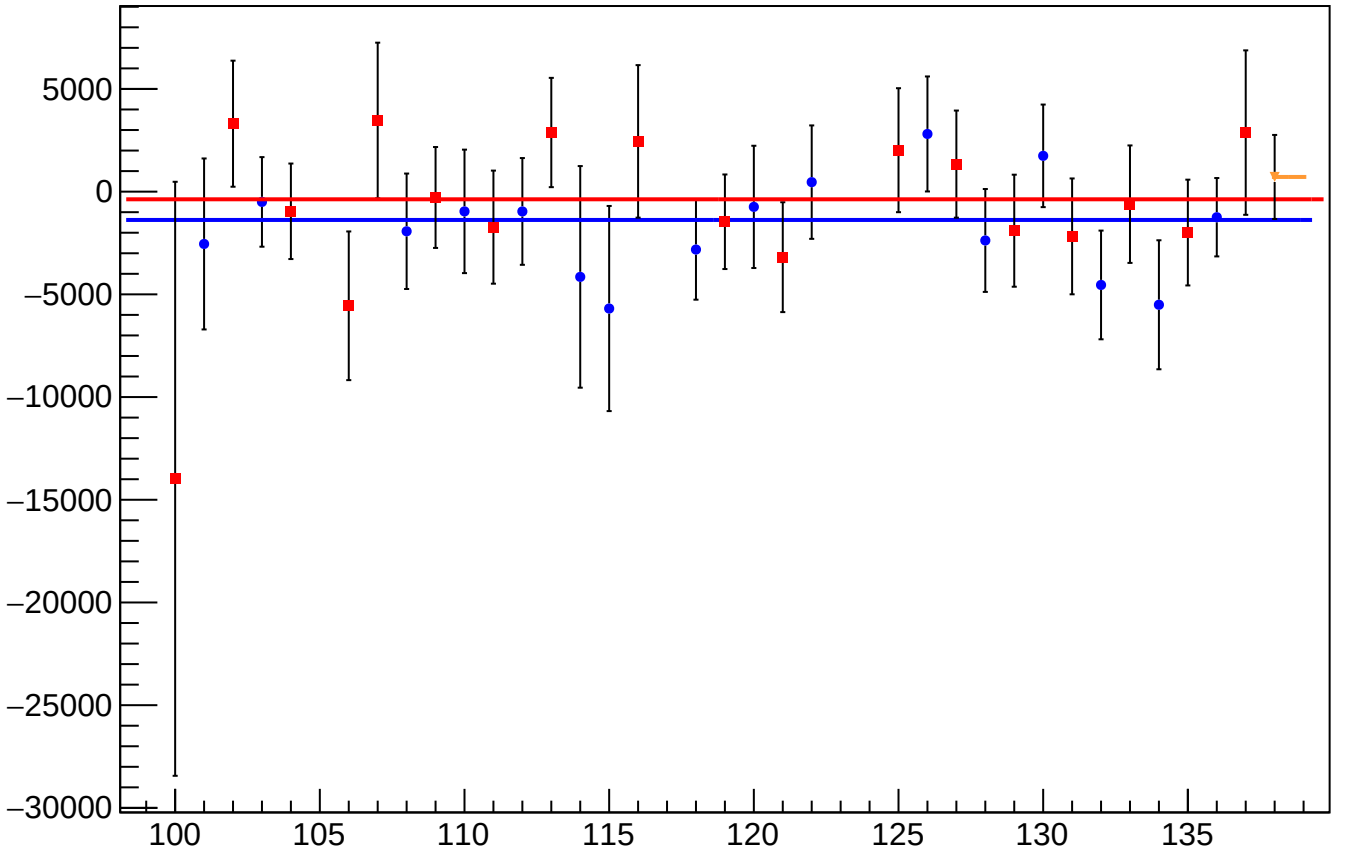
Left: 685.476+/-0.554 χ^2/NDF: 0.0/0

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 1104.103+/-0.313 χ^2/NDF:1894482.2/15

Out: 879.433+/-0.249 χ^2/NDF:3207861.1/18

All: 966.690+/-0.195 χ^2/NDF: 5417671.6/34



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 715.204+/-2045.677 χ^2/NDF:0.0/0

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

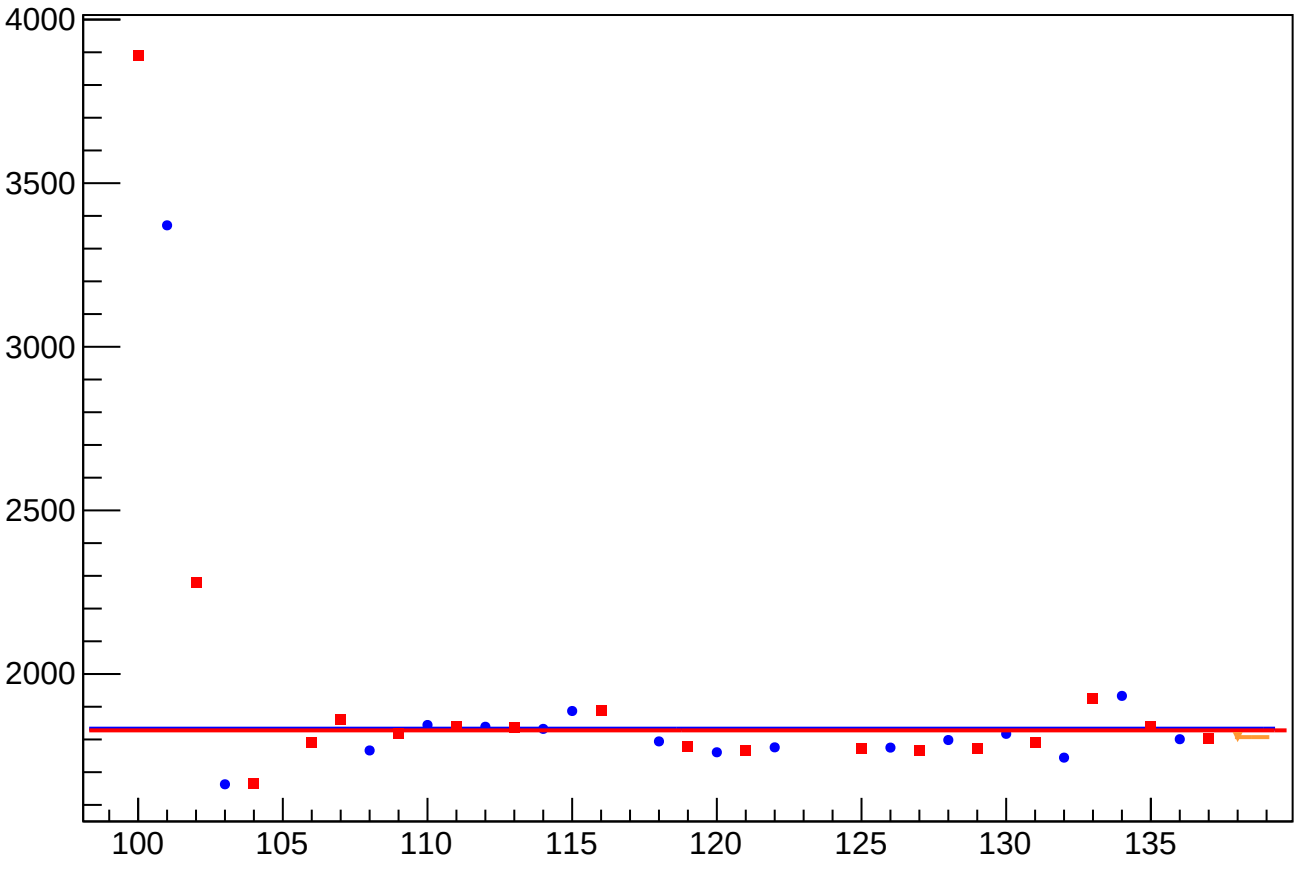
Left: 715.204+/-2045.677 χ^2/NDF: 0.0/0

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1378.133+/-689.030 χ^2/NDF:9.3/15

Out: -263.037+/-649.047 χ^2/NDF:12.2/18

All: -787.295+/-472.448 χ^2/NDF: 22.9/34



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1807.148+/-1.447 χ^2/NDF:0.0/0

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1807.148+/-1.447 χ^2/NDF: 0.0/0

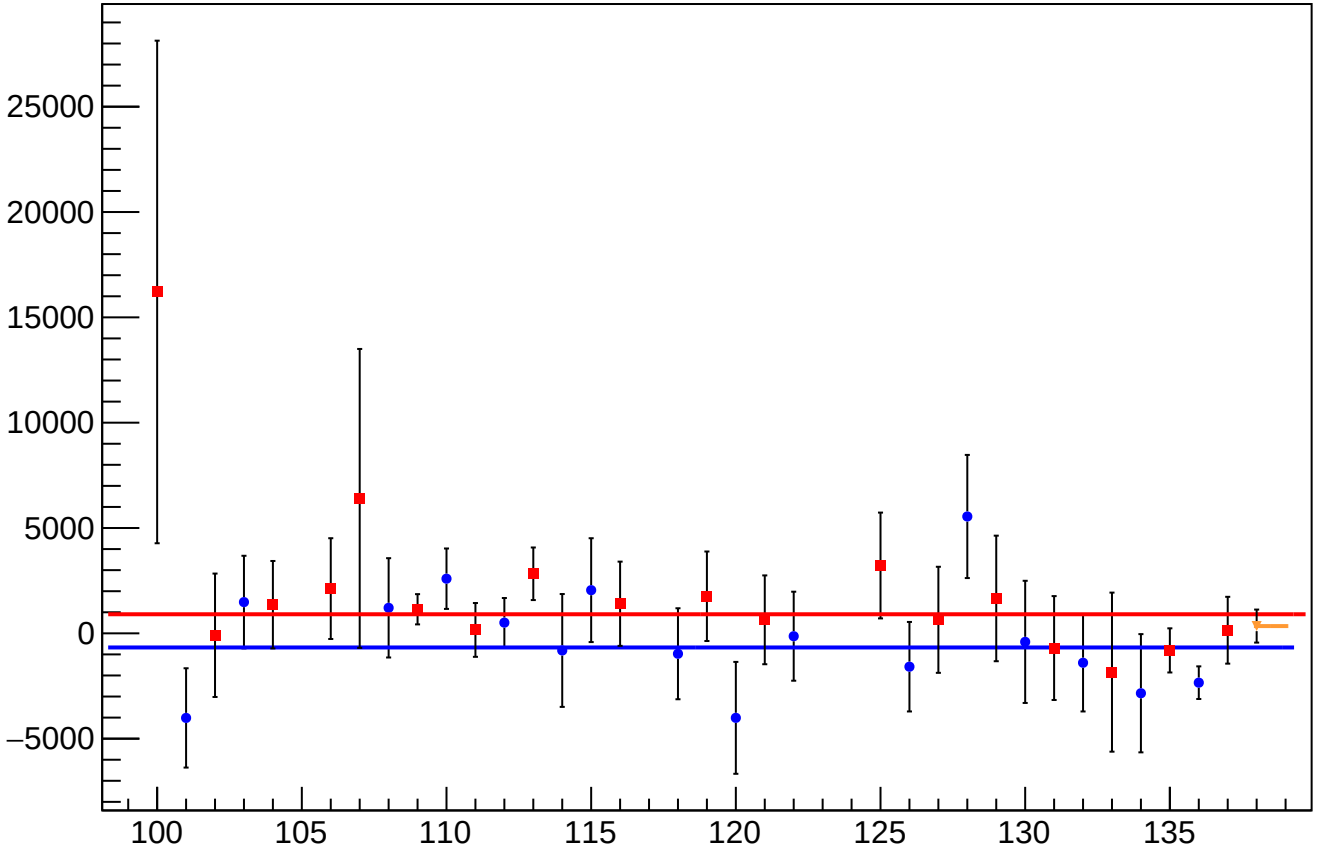
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1832.947+/-0.487 χ^2/NDF:295441.2/15

Out: 1825.708+/-0.459 χ^2/NDF:102453.3/18

All: 1829.111+/-0.334 χ^2/NDF: 398011.5/34

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: 344.505+/-783.939 χ^2/NDF:0.0/0

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 344.505+/-783.939 χ^2/NDF: 0.0/0

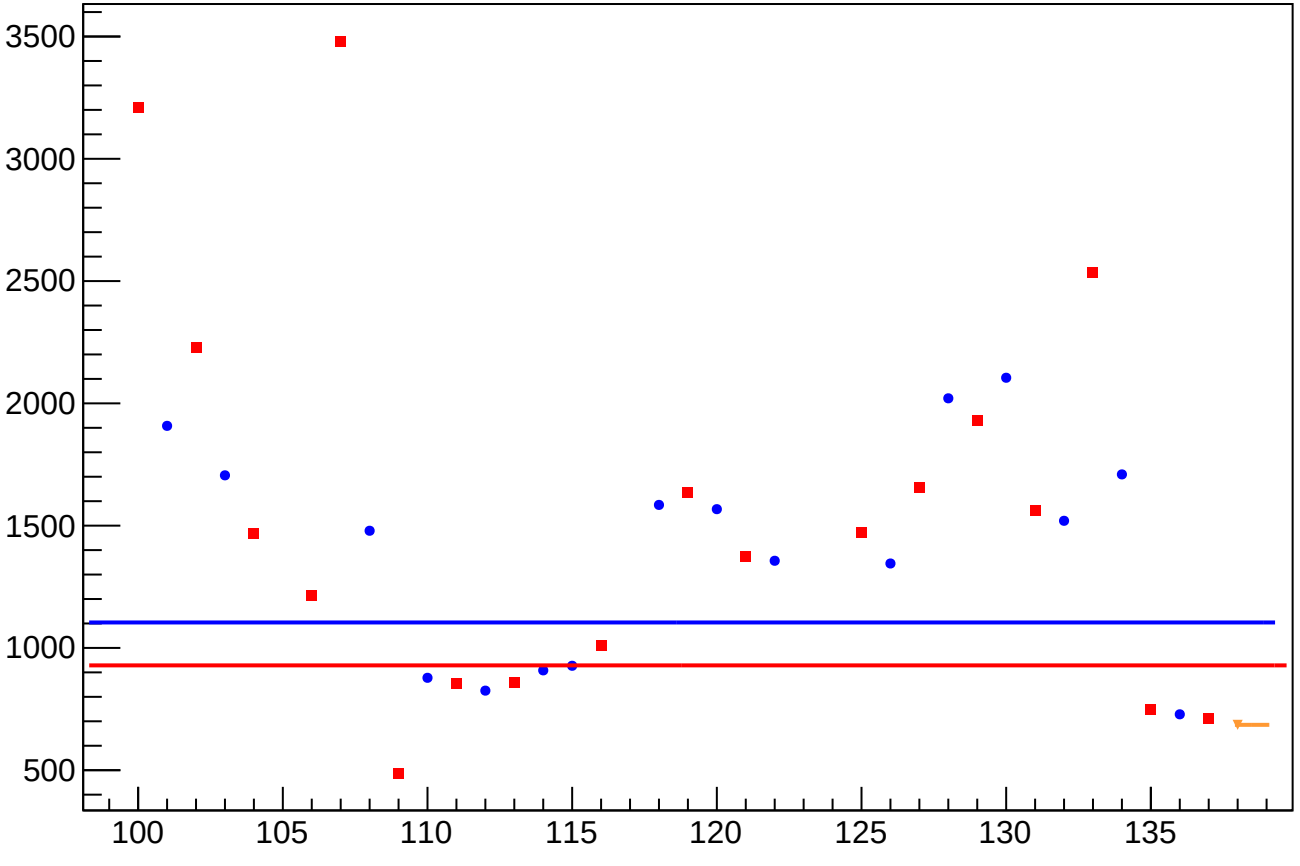
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -670.539+/-442.505 χ^2/NDF:22.8/15

Out: 792.295+/-352.619 χ^2/NDF:10.9/18

All: 224.160+/-275.770 χ^2/NDF: 40.4/34

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: 685.476+/-0.554 χ^2/NDF:0.0/0

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

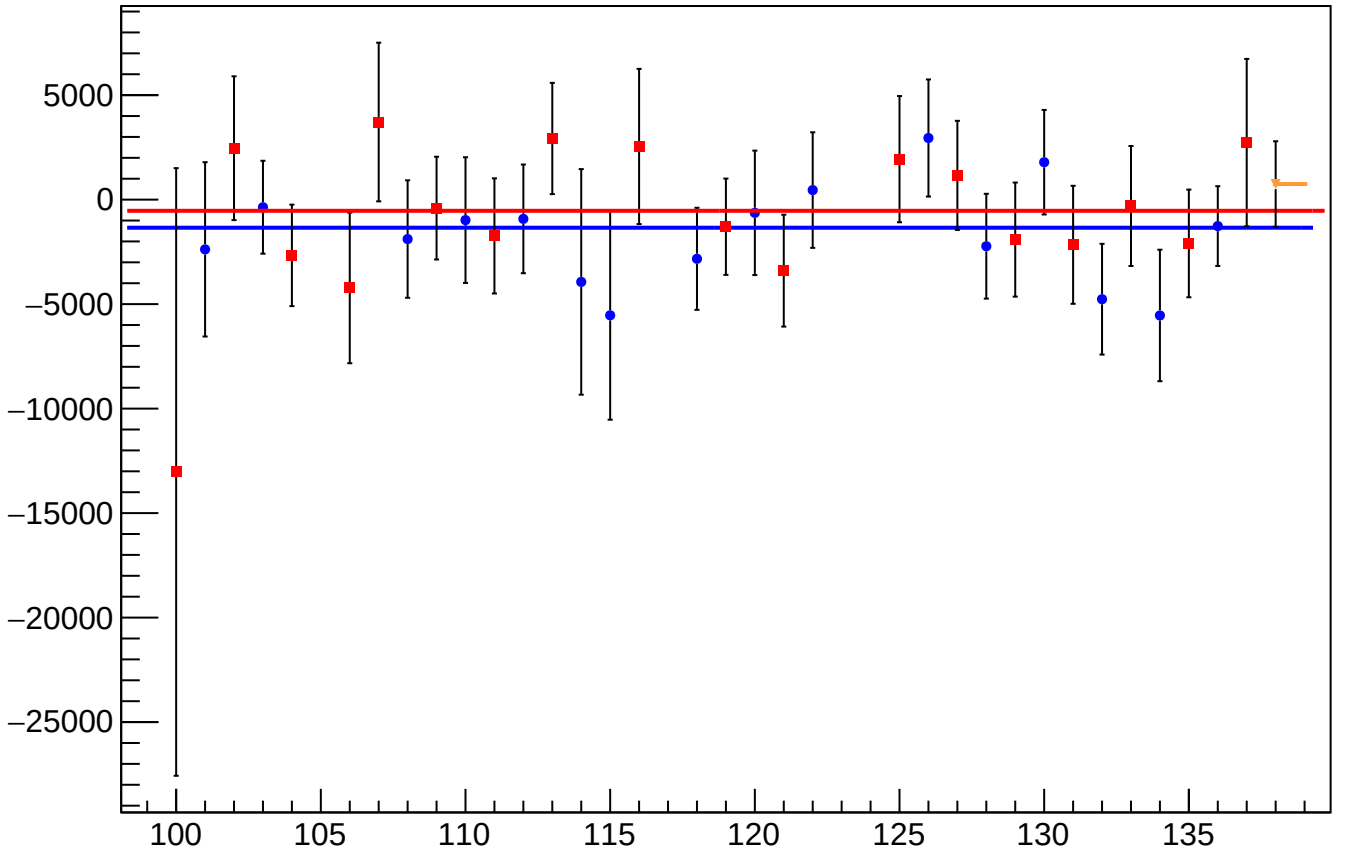
Left: 685.476+/-0.554 χ^2/NDF: 0.0/0

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 1104.103+/-0.313 χ^2/NDF:1894482.2/15

Out: 879.433+/-0.249 χ^2/NDF:3207861.1/18

All: 966.690+/-0.195 χ^2/NDF: 5417671.6/34



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 745.304+/-2047.527 χ^2/NDF:0.0/0

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

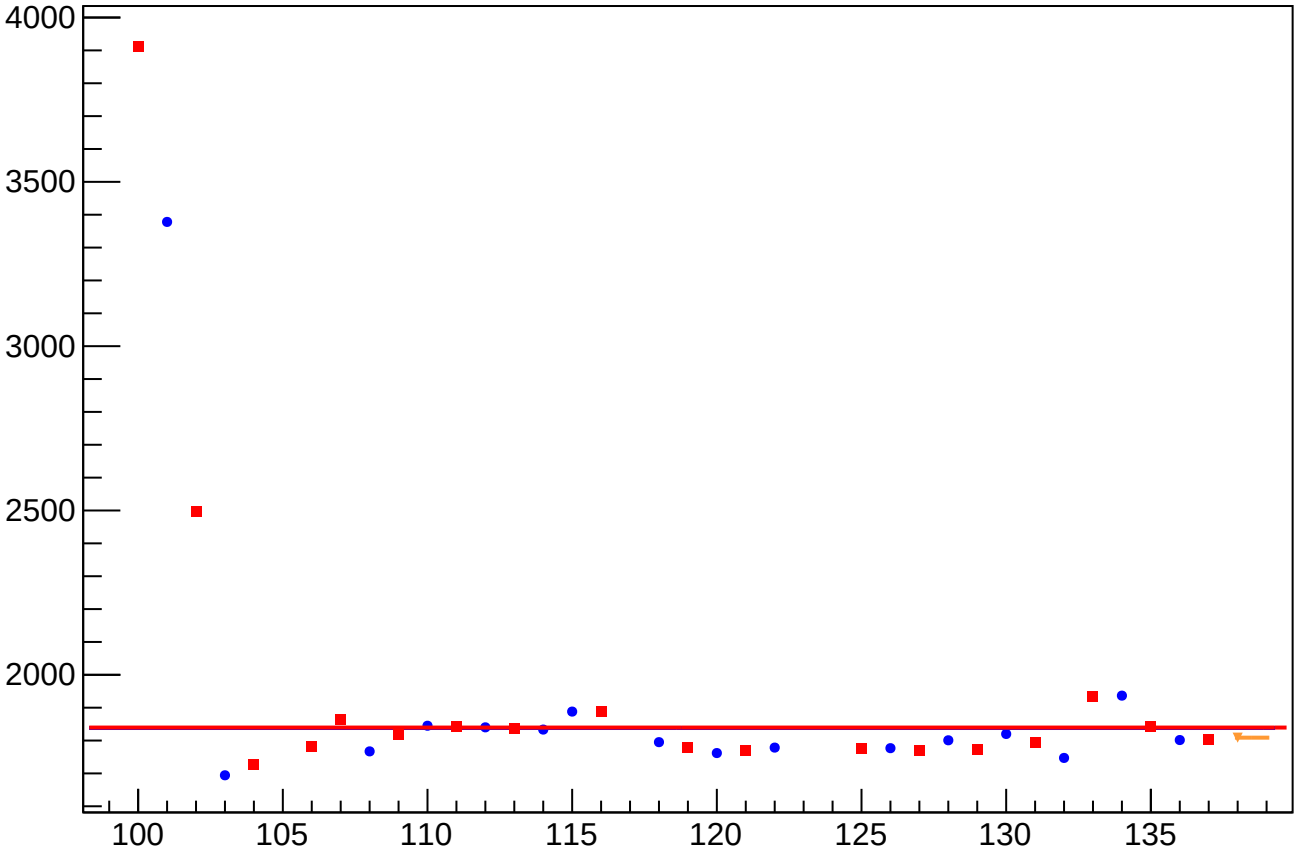
Left: 745.304+/-2047.527 χ^2/NDF: 0.0/0

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -1343.952+/-690.940 χ^2/NDF:9.6/15

Out: -403.379+/-654.696 χ^2/NDF:11.5/18

All: -848.350+/-475.237 χ^2/NDF: 22.0/34



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1808.781+/-1.448 χ^2/NDF:0.0/0

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

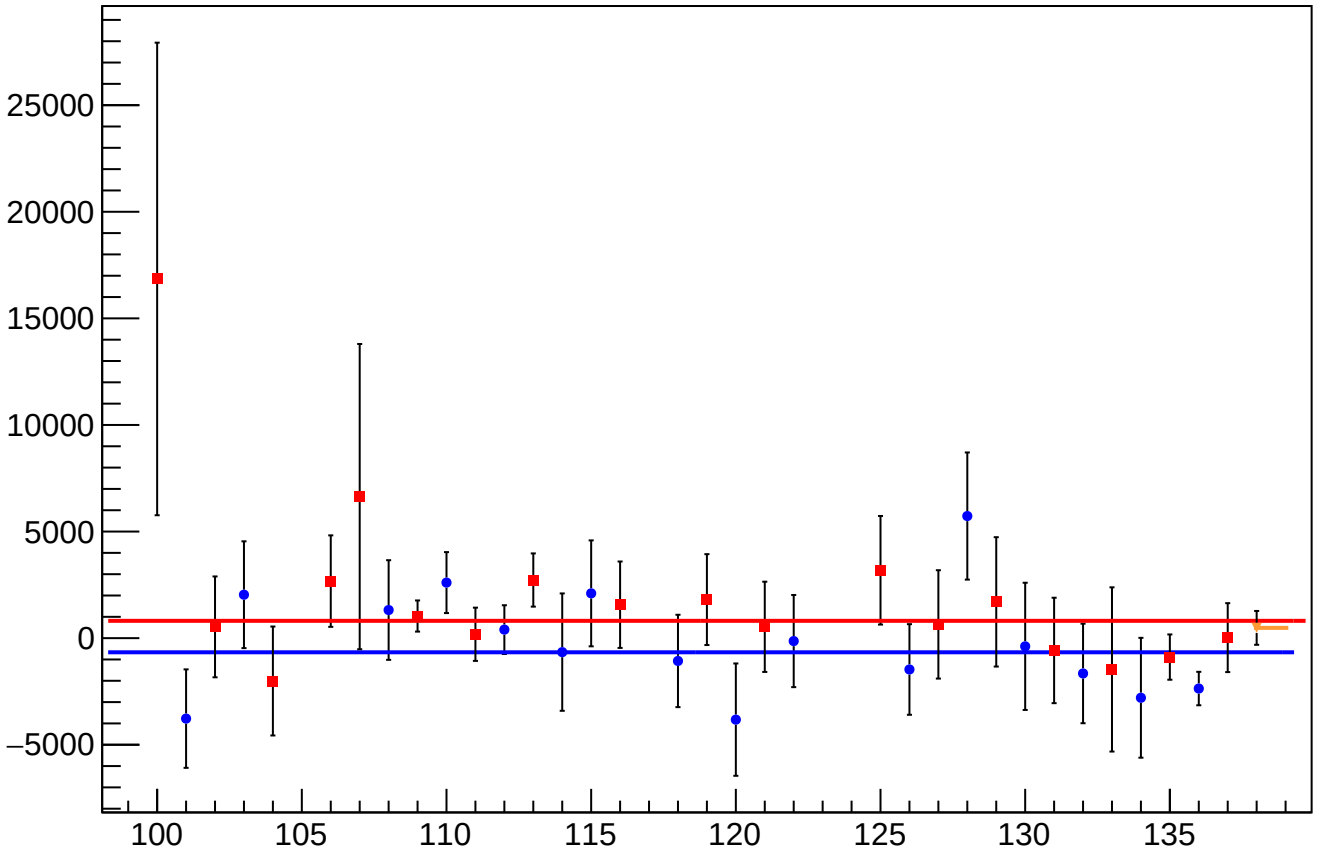
Left: 1808.781+/-1.448 χ^2/NDF: 0.0/0

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1838.159+/-0.489 χ^2/NDF:291984.0/15

Out: 1836.375+/-0.463 χ^2/NDF:128658.1/18

All: 1837.219+/-0.336 χ^2/NDF: 420649.2/34



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: 481.636+/-793.327 χ^2/NDF:0.0/0

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 481.636+/-793.327 χ^2/NDF: 0.0/0

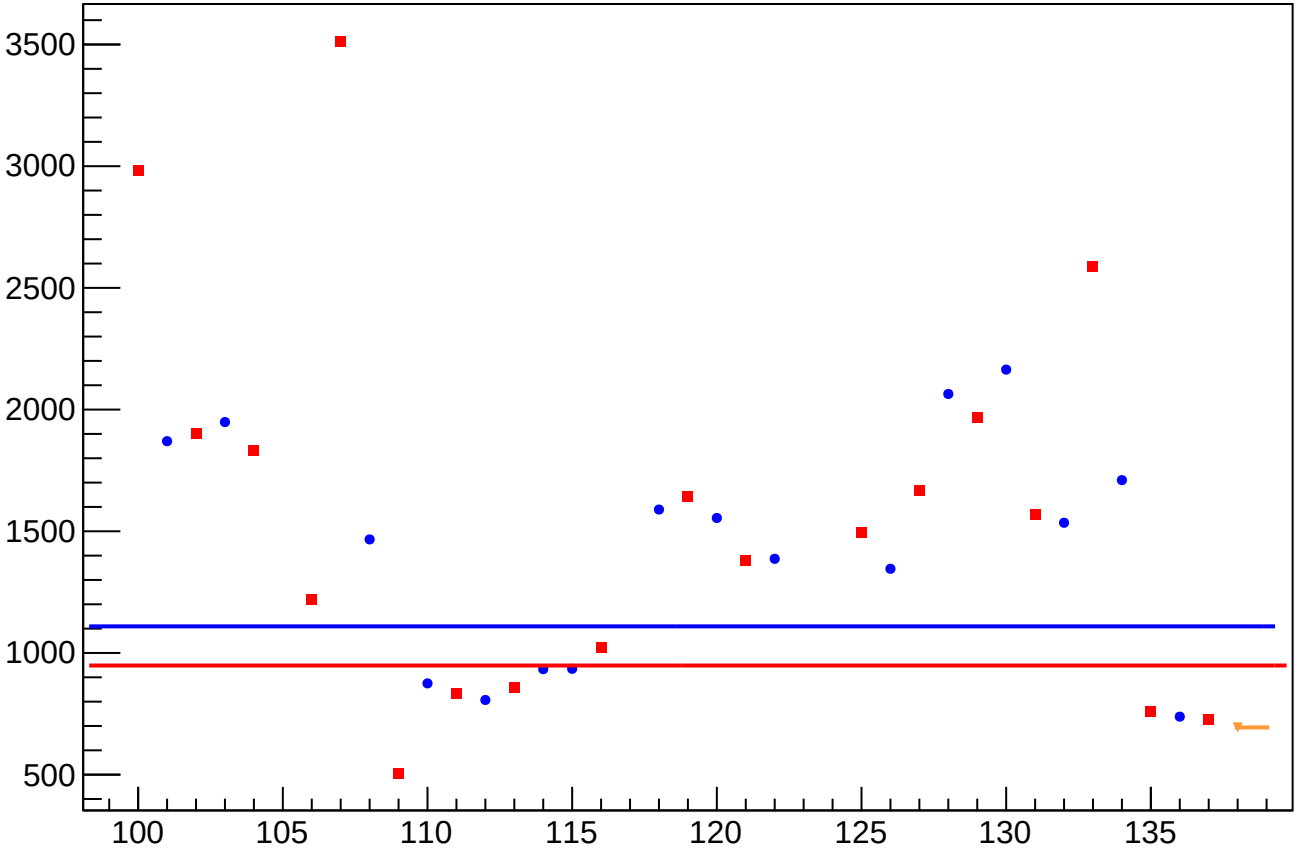
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -663.489+/-445.903 χ^2/NDF:22.8/15

Out: 745.937+/-355.161 χ^2/NDF:12.4/18

All: 198.857+/-277.808 χ^2/NDF: 41.3/34

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: 694.037+/-0.561 χ^2/NDF:0.0/0

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

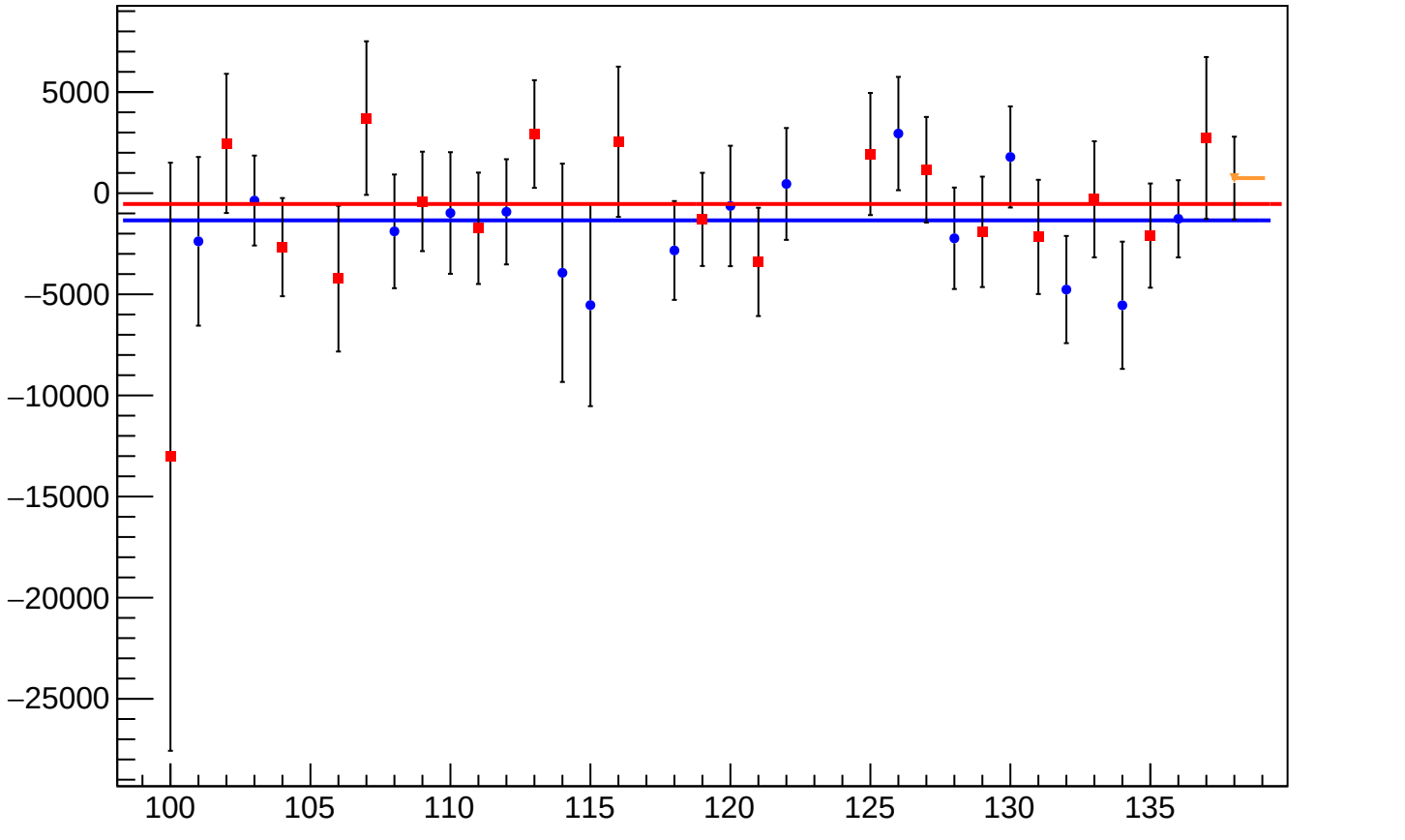
Left: 694.037+/-0.561 χ^2/NDF: 0.0/0

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 1109.362+/-0.315 χ^2/NDF:1973363.9/15

Out: 897.450+/-0.251 χ^2/NDF:3218117.2/18

All: 979.706+/-0.196 χ^2/NDF: 5467854.3/34



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: 745.323+/-2047.527 χ^2/NDF:0.0/0

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

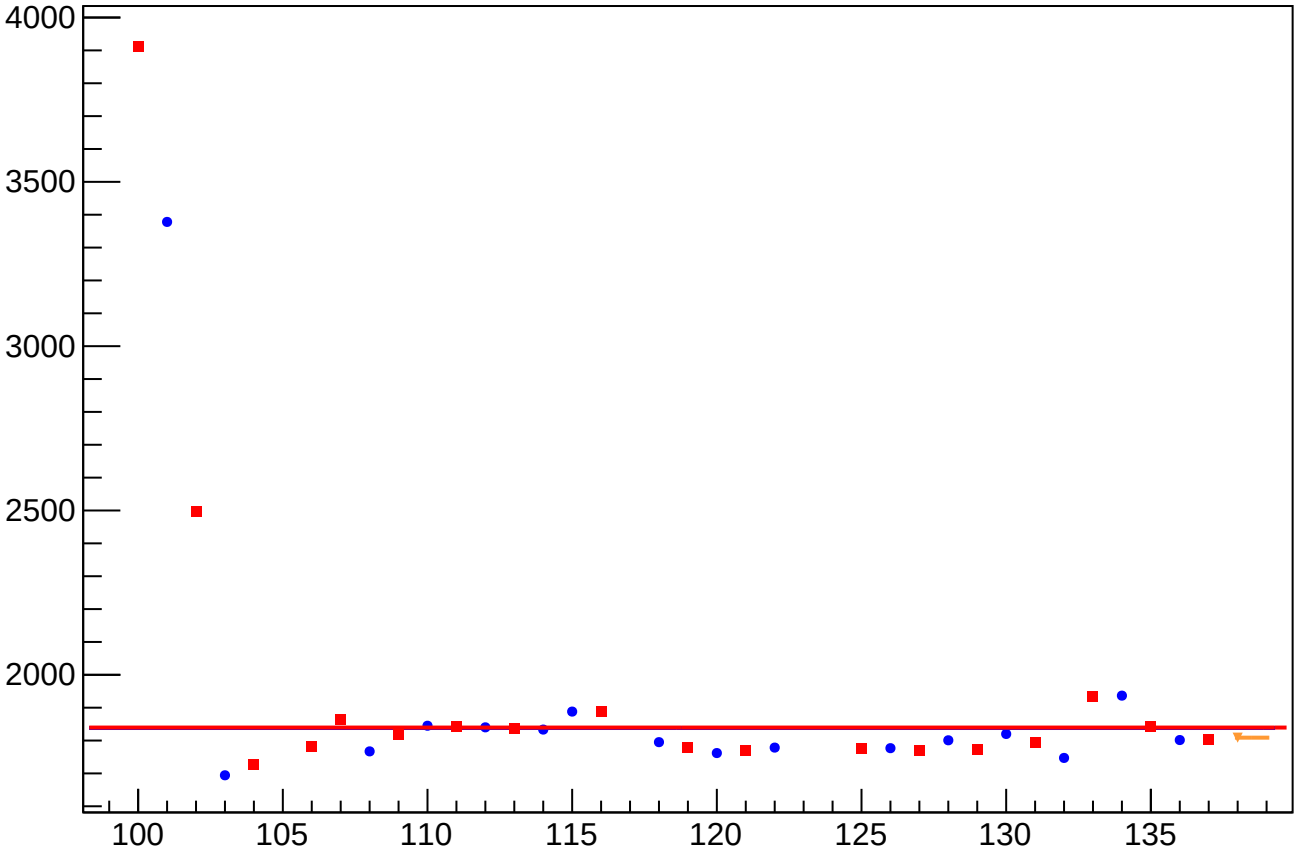
Left: 745.323+/-2047.527 χ^2/NDF: 0.0/0

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -1343.955+/-690.940 χ^2/NDF:9.6/15

Out: -403.381+/-654.696 χ^2/NDF:11.5/18

All: -848.352+/-475.237 χ^2/NDF: 22.0/34



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1808.781+/-1.448 χ^2/NDF:0.0/0

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

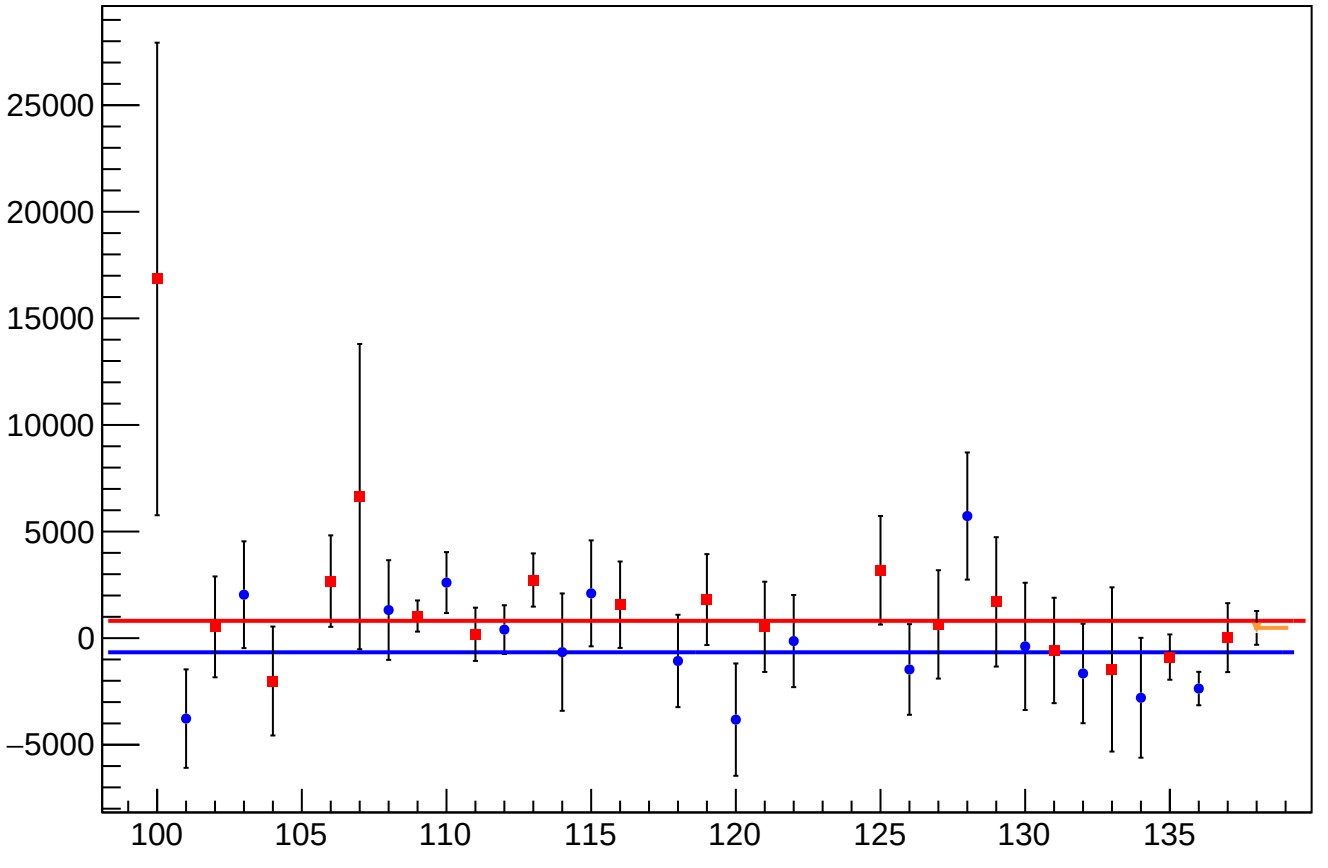
Left: 1808.781+/-1.448 χ^2/NDF: 0.0/0

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1838.159+/-0.489 χ^2/NDF:291984.0/15

Out: 1836.375+/-0.463 χ^2/NDF:128658.2/18

All: 1837.219+/-0.336 χ^2/NDF: 420649.2/34



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: 481.651+/-793.347 χ^2/NDF:0.0/0

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

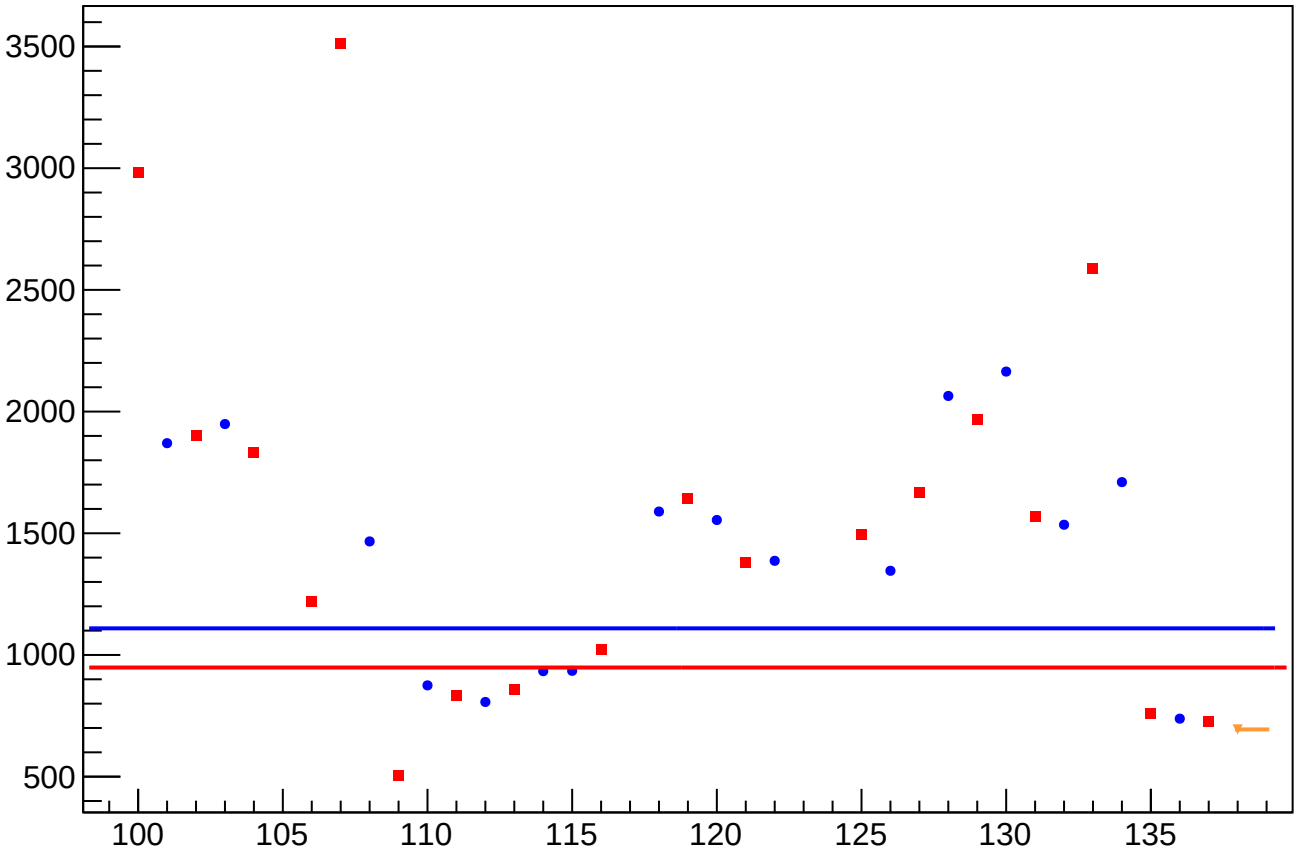
Left: 481.651+/-793.347 χ^2/NDF: 0.0/0

Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -663.476+/-445.904 χ^2/NDF:22.8/15

Out: 745.948+/-355.163 χ^2/NDF:12.4/18

All: 198.866+/-277.809 χ^2/NDF: 41.3/34



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 694.054+/-0.561 χ^2/NDF:0.0/0

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

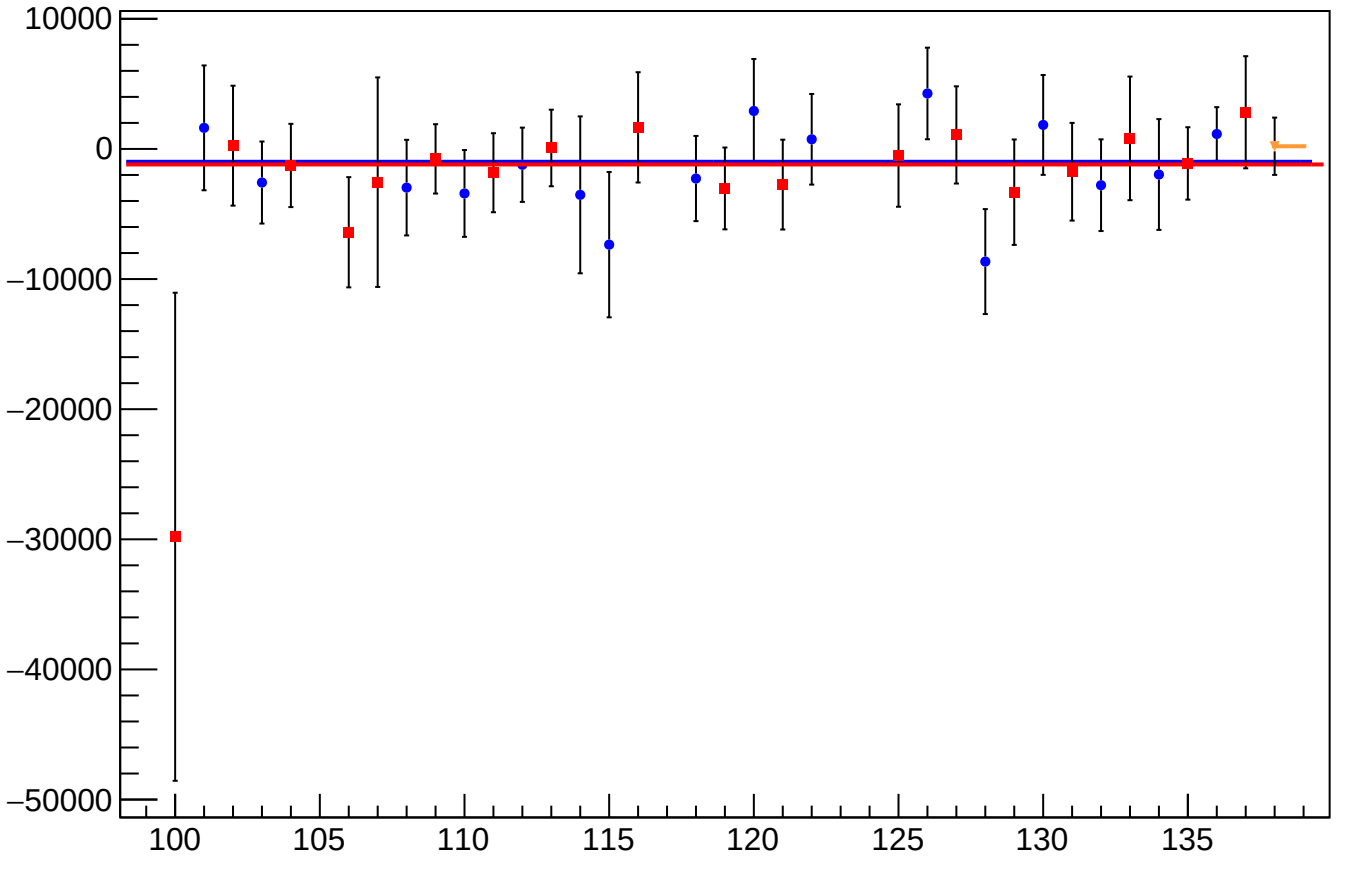
Left: 694.054+/-0.561 χ^2/NDF: 0.0/0

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 1109.365+/-0.315 χ^2/NDF:1973324.5/15

Out: 897.458+/-0.251 χ^2/NDF:3218065.6/18

All: 979.712+/-0.196 χ^2/NDF: 5467750.3/34



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 206.957+/-2200.746 χ^2/NDF:0.0/0

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 206.957+/-2200.746 χ^2/NDF: 0.0/0

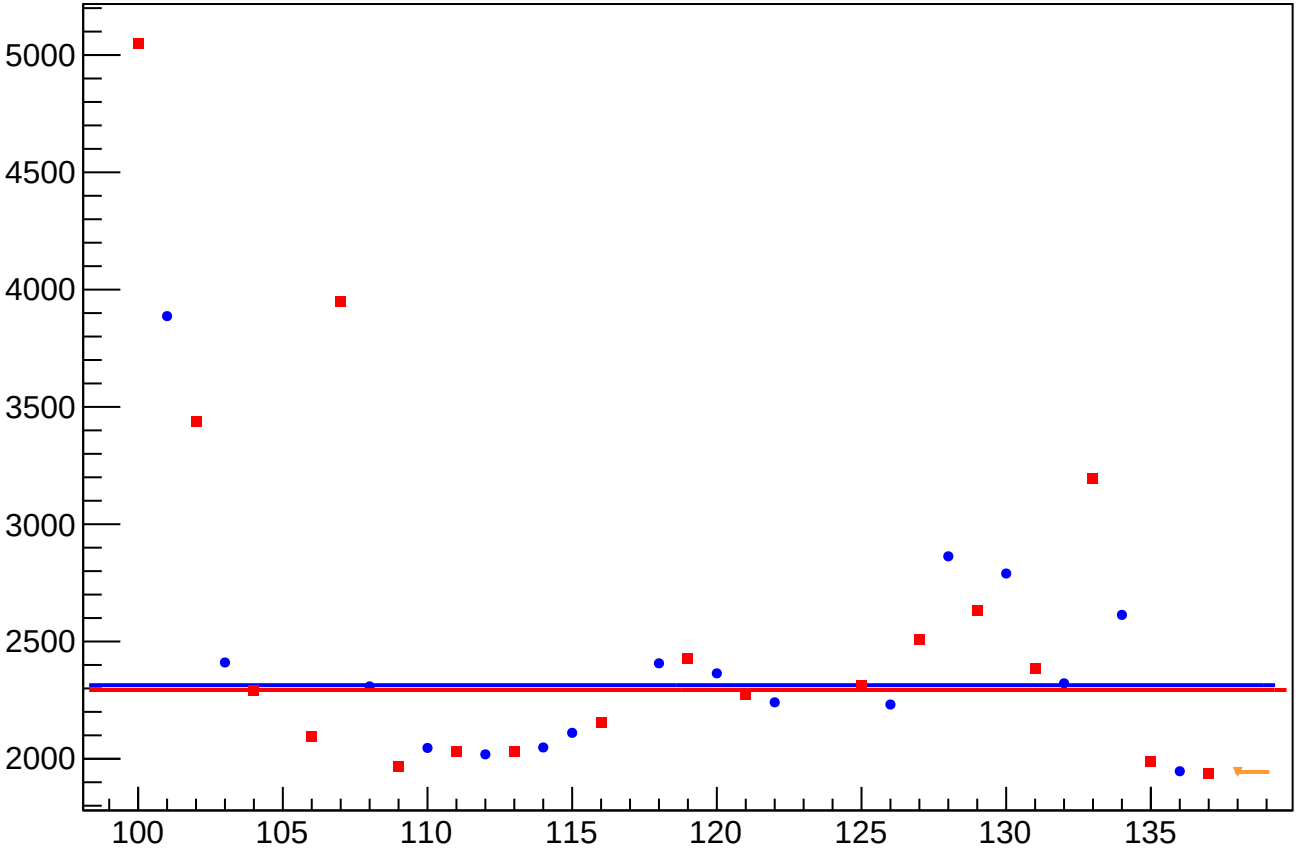
Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -987.532+/-873.840 χ^2/NDF:12.0/15

Out: -1002.909+/-809.421 χ^2/NDF:7.3/18

All: -995.808+/-593.816 χ^2/NDF: 19.3/34

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: 1943.952+/-1.556 χ^2/NDF:0.0/0

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

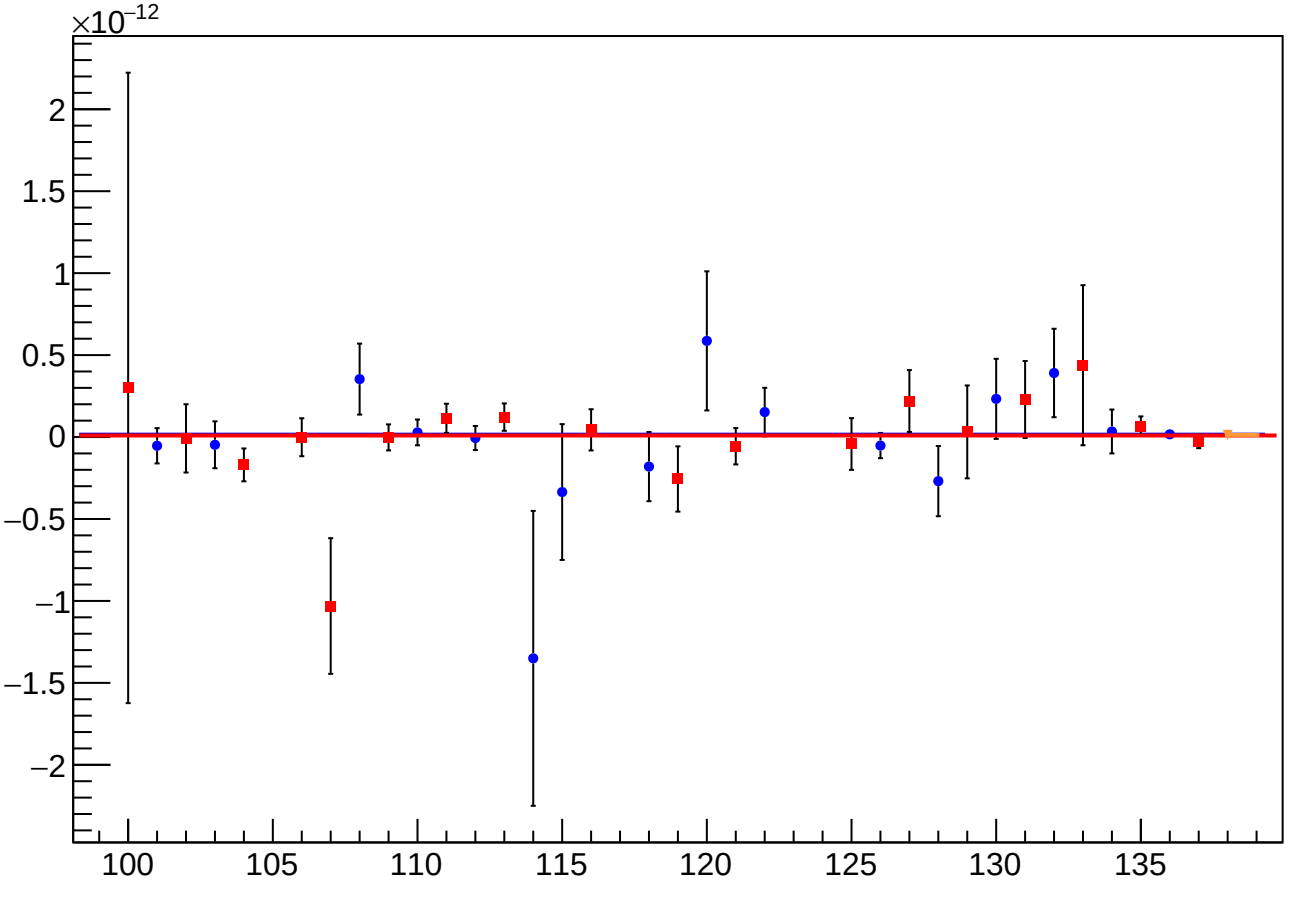
Left: 1943.952+/-1.556 χ^2/NDF: 0.0/0

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2313.740+/-0.618 χ^2/NDF:402756.6/15

Out: 2246.020+/-0.572 χ^2/NDF:496775.6/18

All: 2277.292+/-0.420 χ^2/NDF: 905997.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

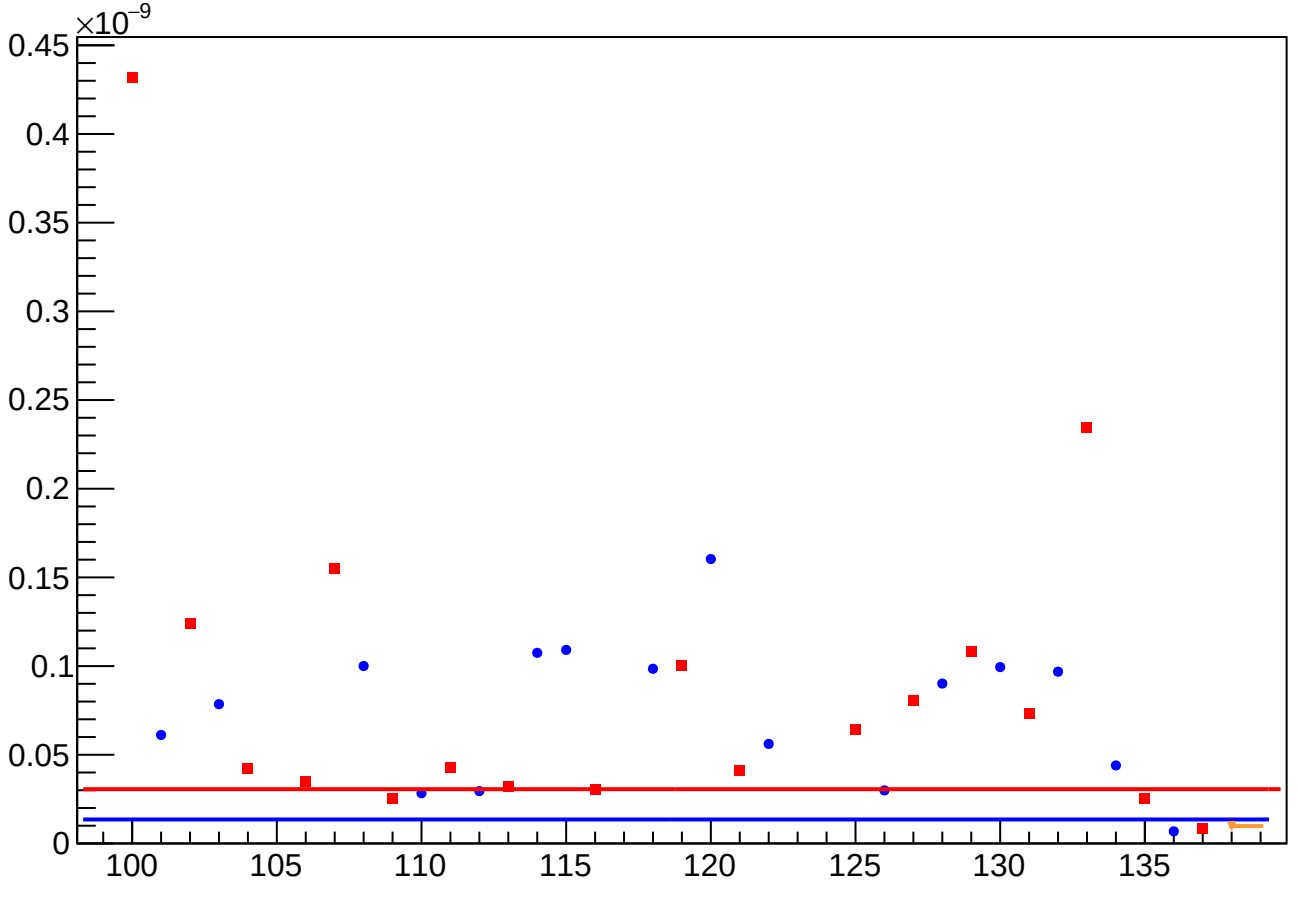
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:15.0/15

Out: 0.000+/-0.000 χ^2/NDF:19.5/18

All: 0.000+/-0.000 χ^2/NDF: 34.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

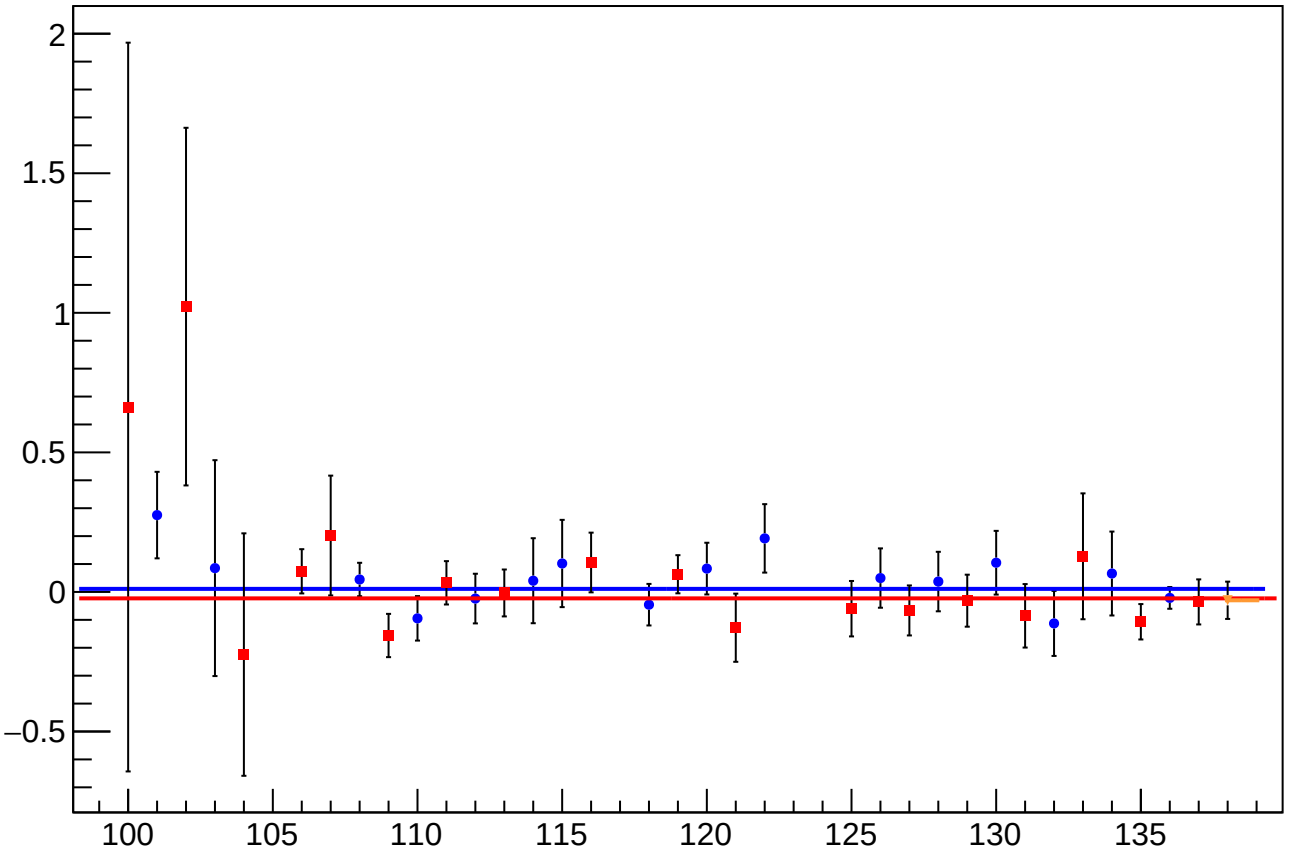
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:3416094.6/15

Out: 0.000+/-0.000 χ^2/NDF:3284770.5/18

All: 0.000+/-0.000 χ^2/NDF: 6779612.3/34



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.030+/-0.067 χ^2/NDF:0.0/0

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.067 χ^2/NDF: 0.0/0

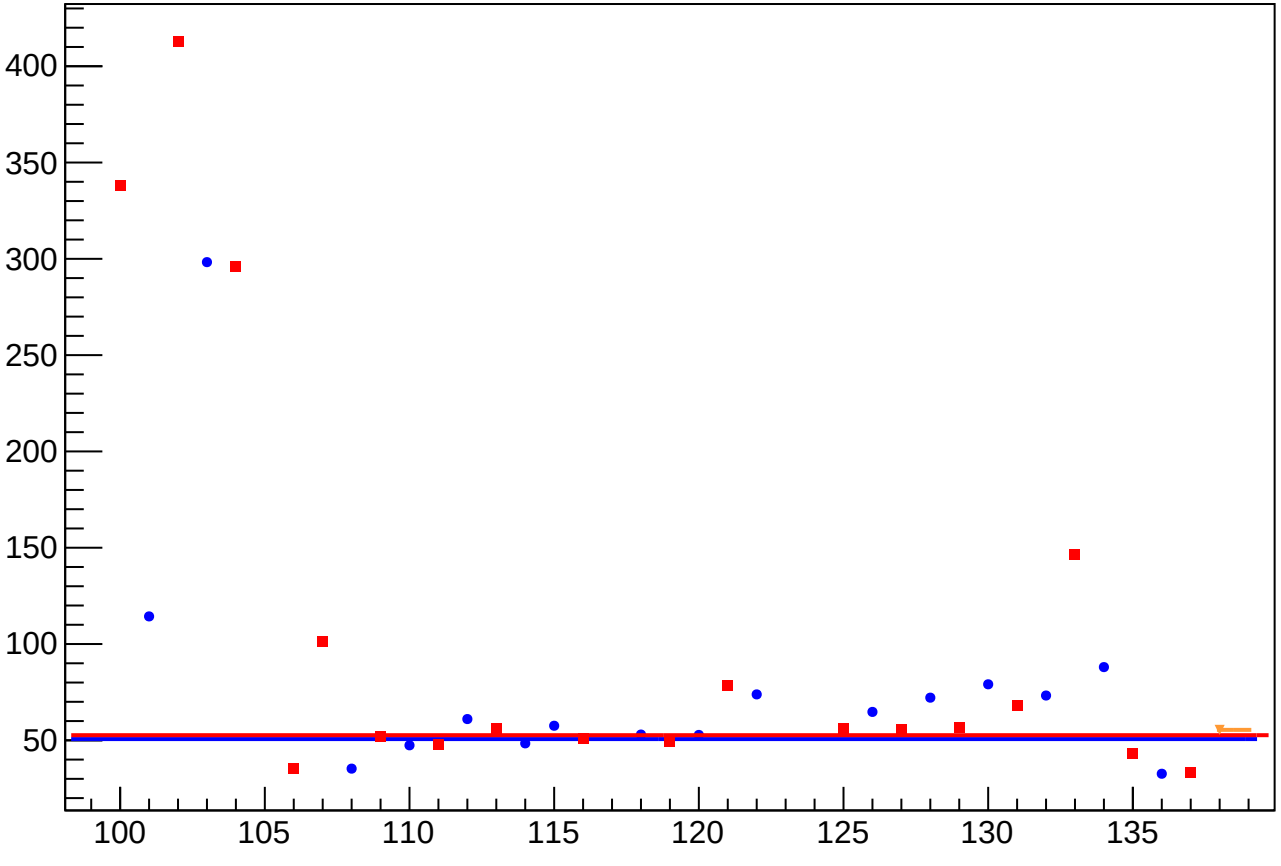
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.011+/-0.022 χ^2/NDF:11.7/15

Out: -0.024+/-0.022 χ^2/NDF:16.0/18

All: -0.006+/-0.015 χ^2/NDF: 29.0/34

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: 55.429+/-0.047 χ^2/NDF:0.0/0

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

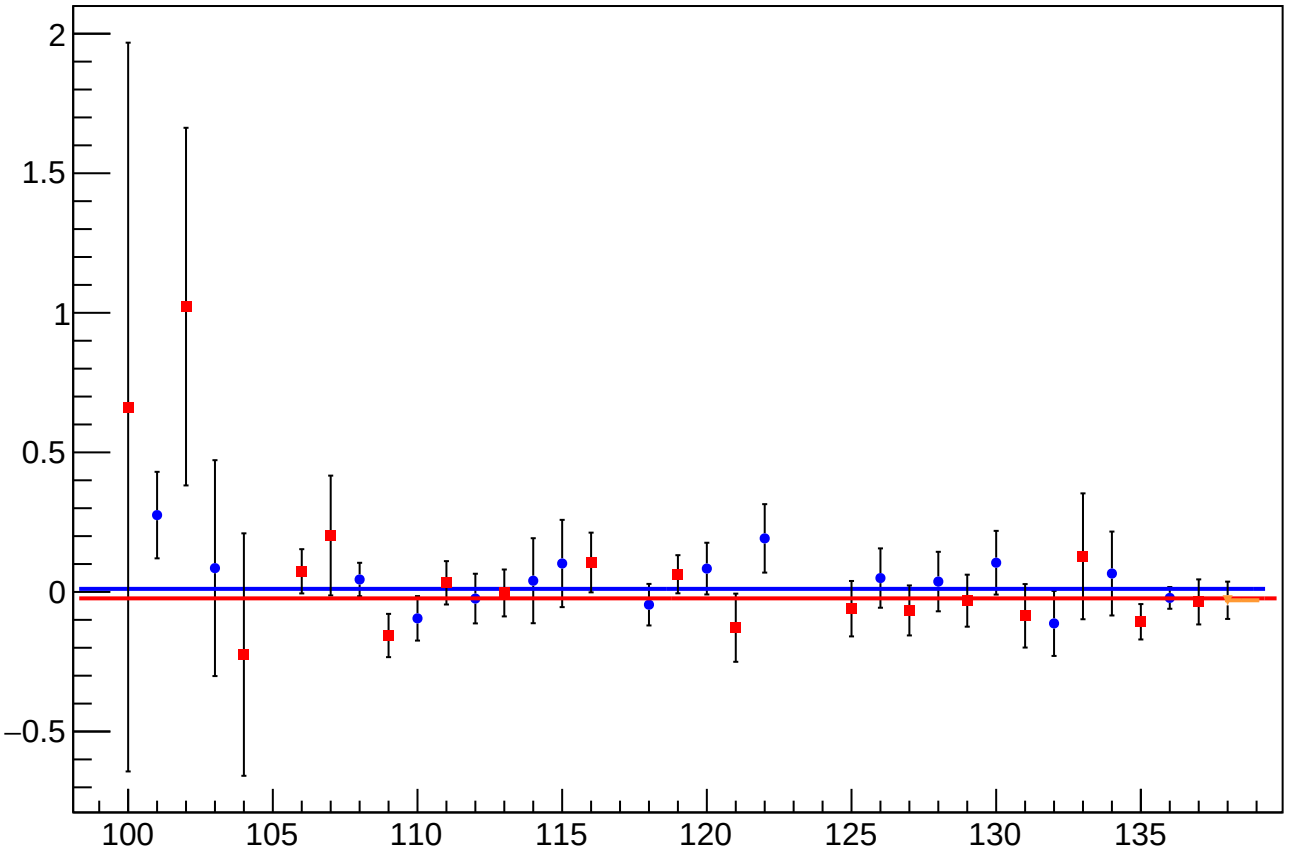
Left: 55.429+/-0.047 χ^2/NDF: 0.0/0

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 50.645+/-0.015 χ^2/NDF:2266445.6/15

Out: 52.961+/-0.015 χ^2/NDF:2214993.8/18

All: 51.805+/-0.011 χ^2/NDF: 4492668.4/34



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.030+/-0.067 χ^2/NDF:0.0/0

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.067 χ^2/NDF: 0.0/0

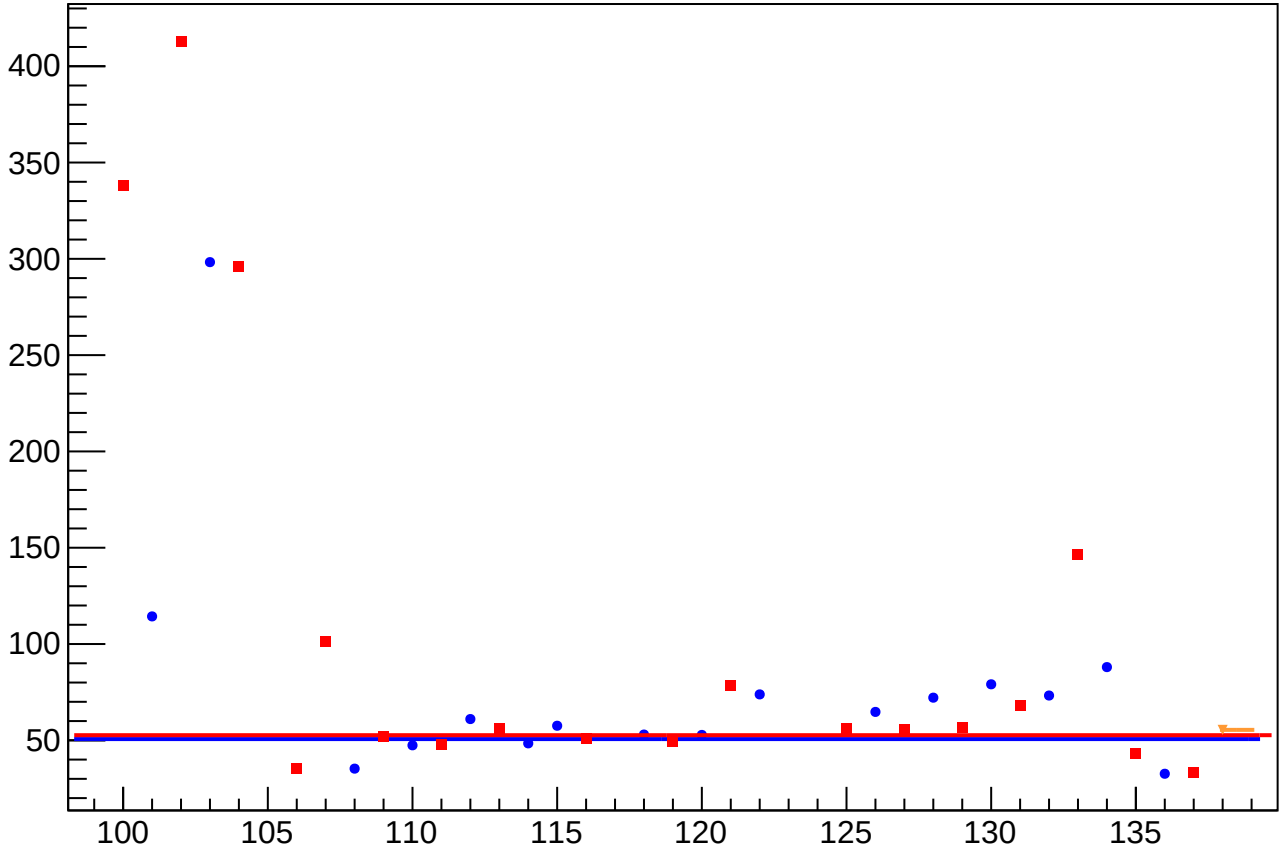
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.011+/-0.022 χ^2/NDF:11.7/15

Out: -0.024+/-0.022 χ^2/NDF:16.0/18

All: -0.006+/-0.015 χ^2/NDF: 29.0/34

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: 55.429+/-0.047 χ^2/NDF:0.0/0

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

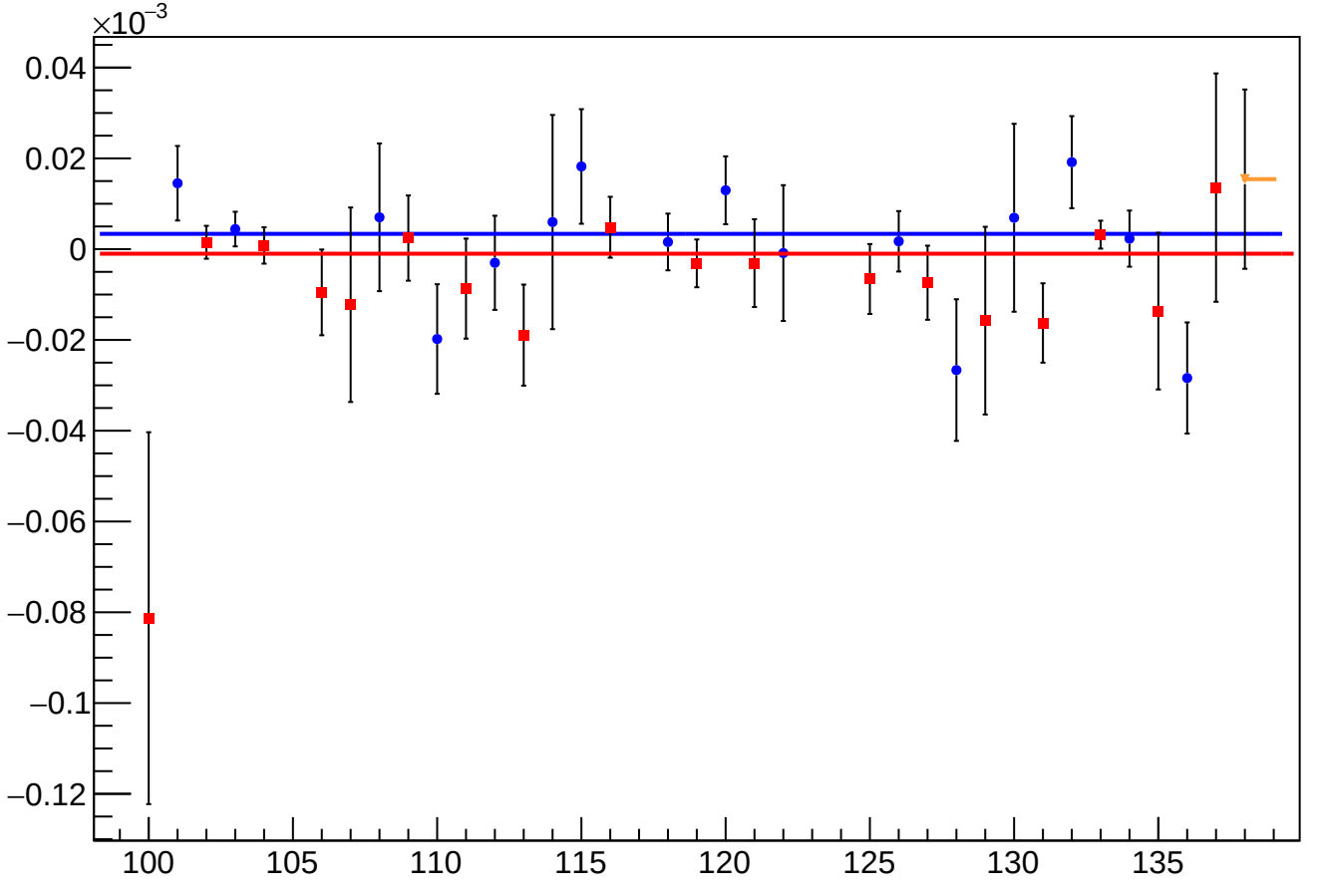
Left: 55.429+/-0.047 χ^2/NDF: 0.0/0

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 50.645+/-0.015 χ^2/NDF:2266445.6/15

Out: 52.961+/-0.015 χ^2/NDF:2214993.8/18

All: 51.805+/-0.011 χ^2/NDF: 4492668.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

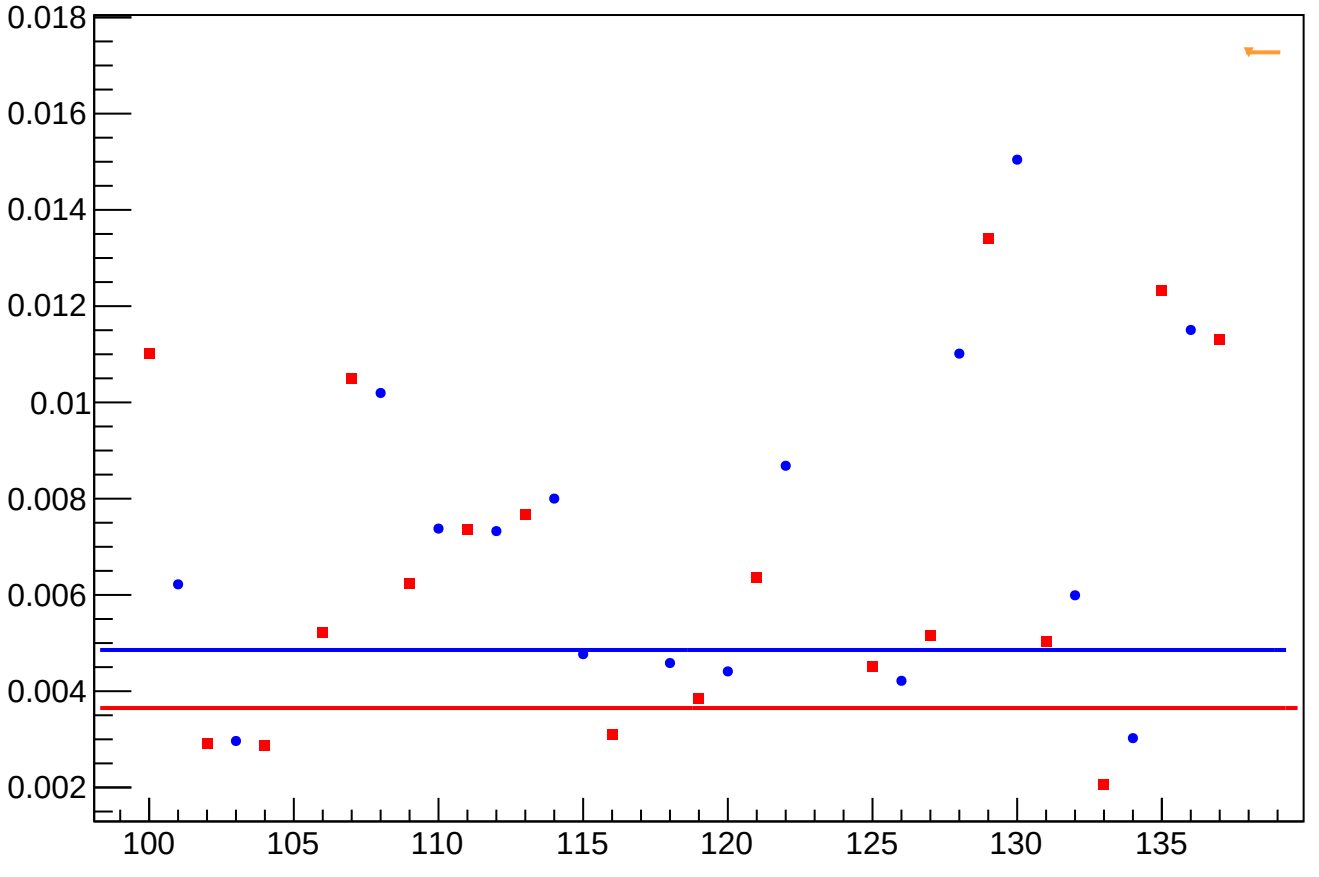
Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:22.2/15

Out: -0.000+/-0.000 χ^2/NDF:17.9/18

All: 0.000+/-0.000 χ^2/NDF: 42.8/34

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: 0.017+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.017+/-0.000 χ^2/NDF: 0.0/0

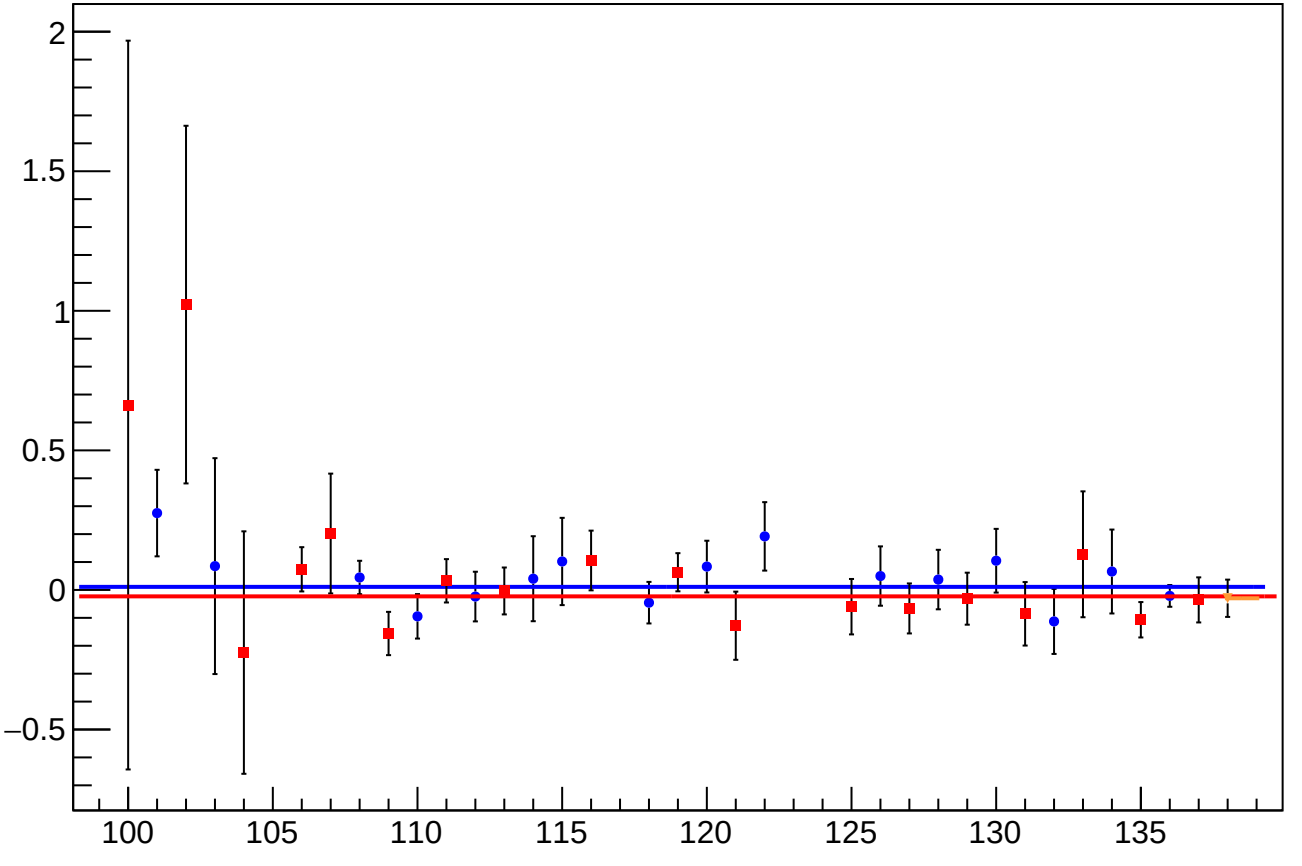
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.005+/-0.000 χ^2/NDF:2745089.6/15

Out: 0.004+/-0.000 χ^2/NDF:4054348.3/18

All: 0.004+/-0.000 χ^2/NDF: 7170748.5/34

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: -0.030+/-0.067 χ^2/NDF:0.0/0

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.067 χ^2/NDF: 0.0/0

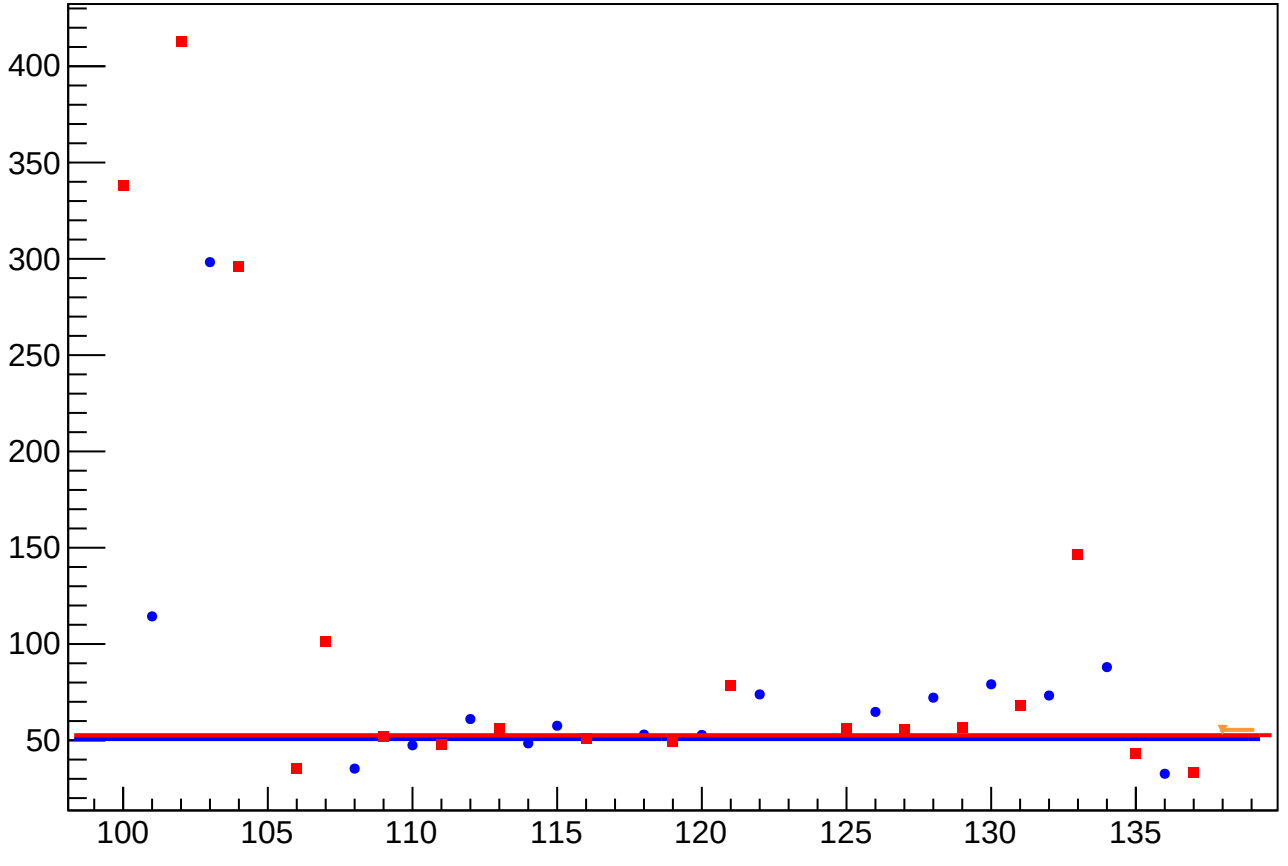
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.011+/-0.022 χ^2/NDF:11.7/15

Out: -0.024+/-0.022 χ^2/NDF:16.0/18

All: -0.006+/-0.015 χ^2/NDF: 29.0/34

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: 55.431+/-0.047 χ^2/NDF:0.0/0

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 55.431+/-0.047 χ^2/NDF: 0.0/0

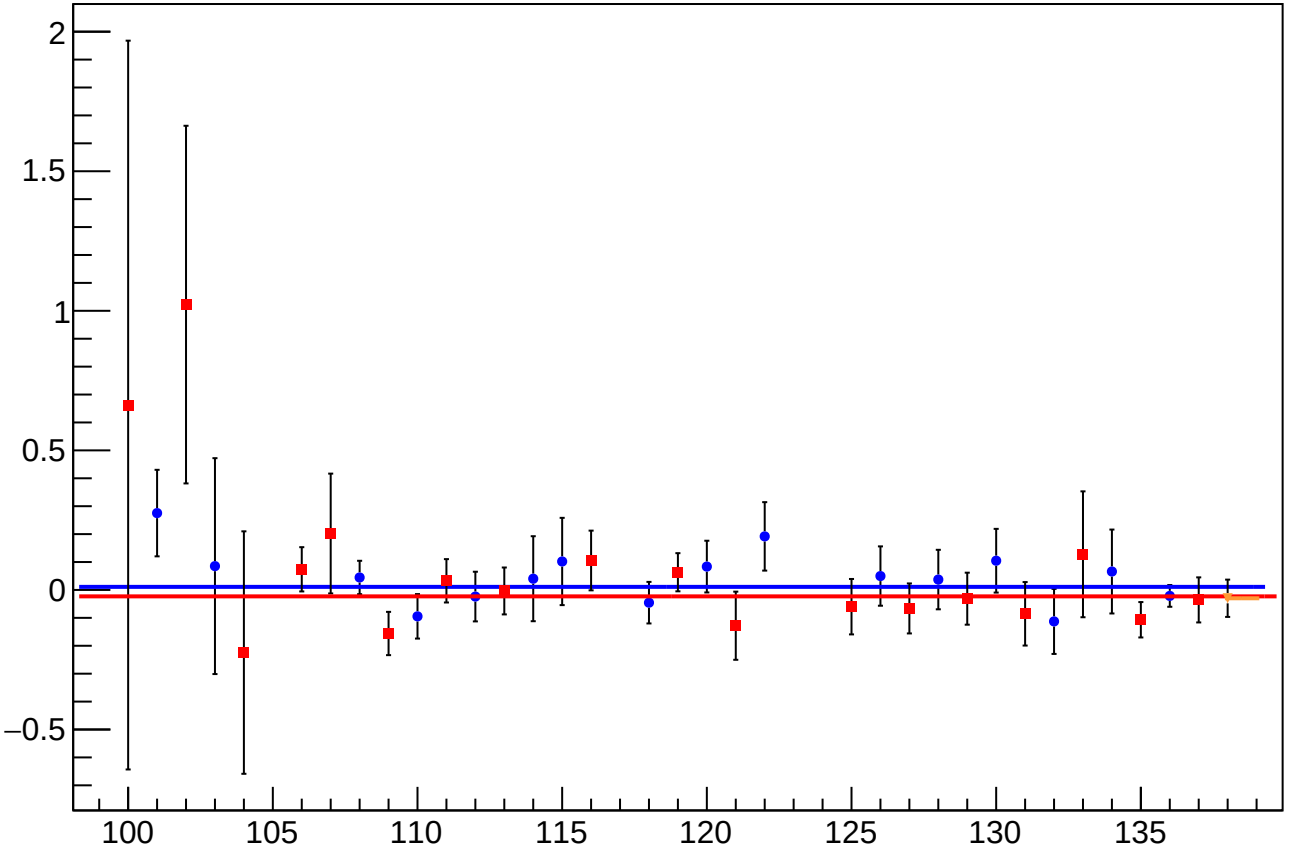
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 50.646+/-0.015 χ^2/NDF:2266348.3/15

Out: 52.962+/-0.015 χ^2/NDF:2214880.3/18

All: 51.806+/-0.011 χ^2/NDF: 4492461.7/34

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: -0.030+/-0.067 χ^2/NDF:0.0/0

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.030+/-0.067 χ^2/NDF: 0.0/0

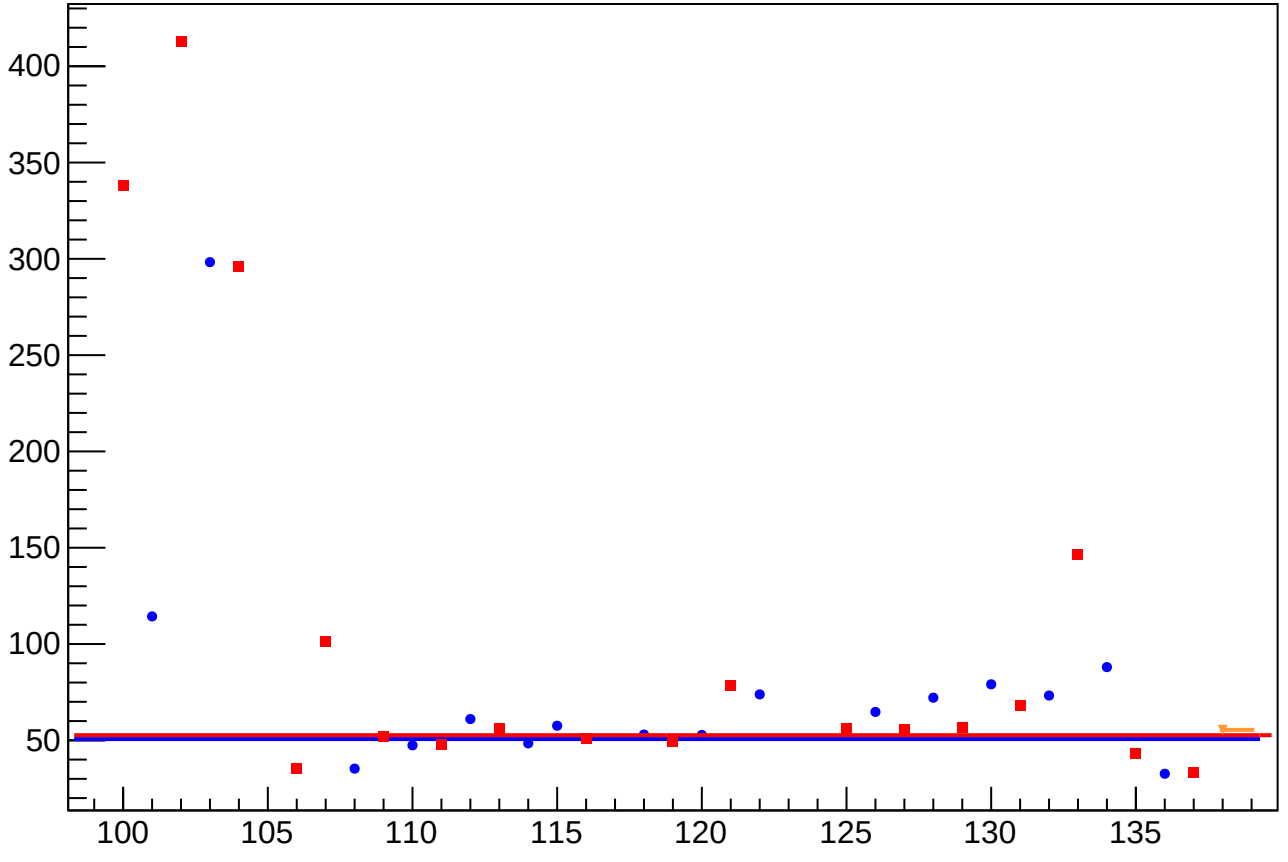
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.011+/-0.022 χ^2/NDF:11.7/15

Out: -0.024+/-0.022 χ^2/NDF:16.0/18

All: -0.006+/-0.015 χ^2/NDF: 29.0/34

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: 55.431+/-0.047 χ^2/NDF:0.0/0

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

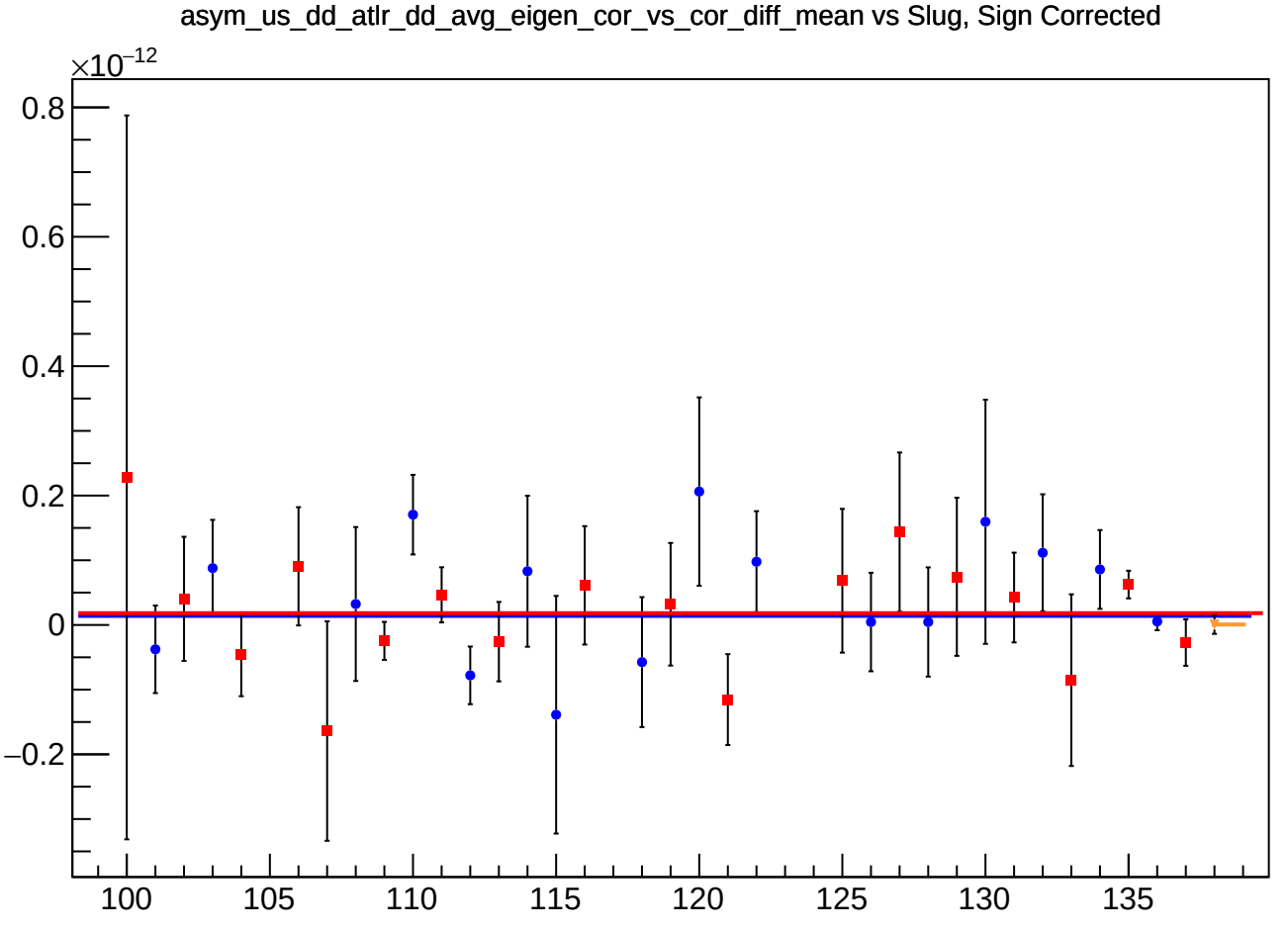
Left: 55.431+/-0.047 χ^2/NDF: 0.0/0

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 50.646+/-0.015 χ^2/NDF:2266348.3/15

Out: 52.962+/-0.015 χ^2/NDF:2214880.3/18

All: 51.806+/-0.011 χ^2/NDF: 4492461.7/34



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

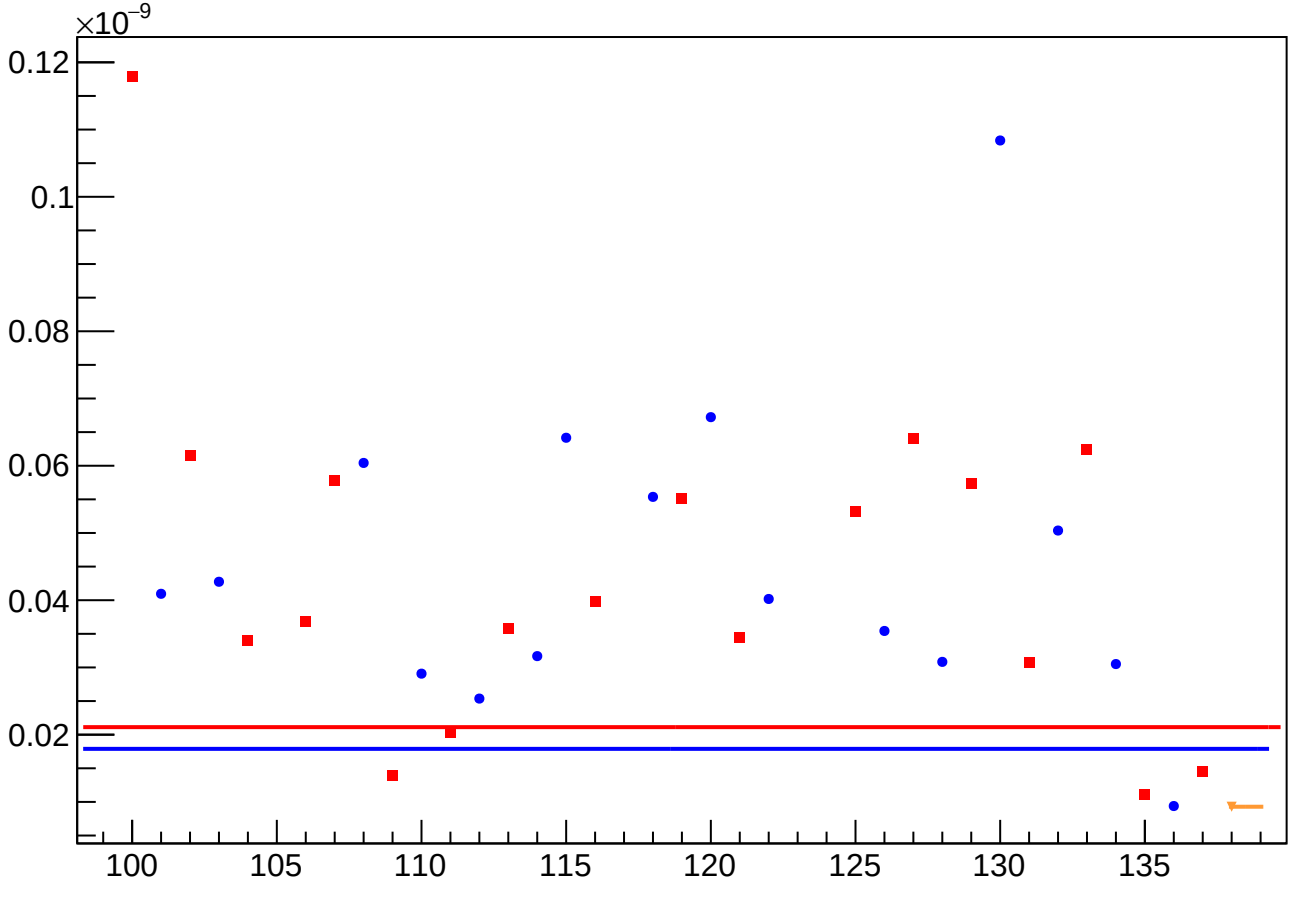
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:20.3/15

Out: 0.000+/-0.000 χ^2/NDF:18.9/18

All: 0.000+/-0.000 χ^2/NDF: 39.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

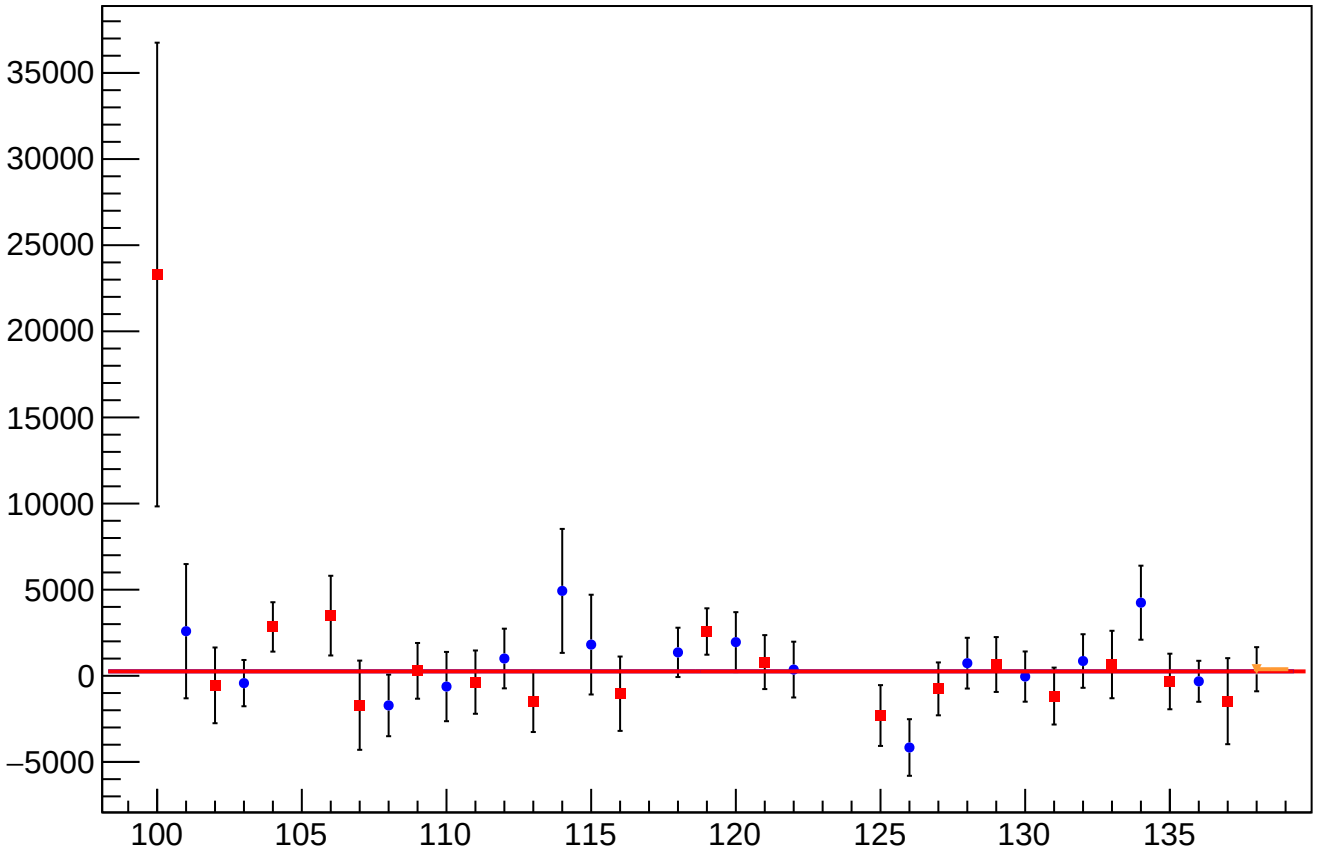
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:3398524.9/15

Out: 0.000+/-0.000 χ^2/NDF:3389672.0/18

All: 0.000+/-0.000 χ^2/NDF: 6820249.8/34



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 382.087+/-1281.239 χ^2/NDF:0.0/0

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

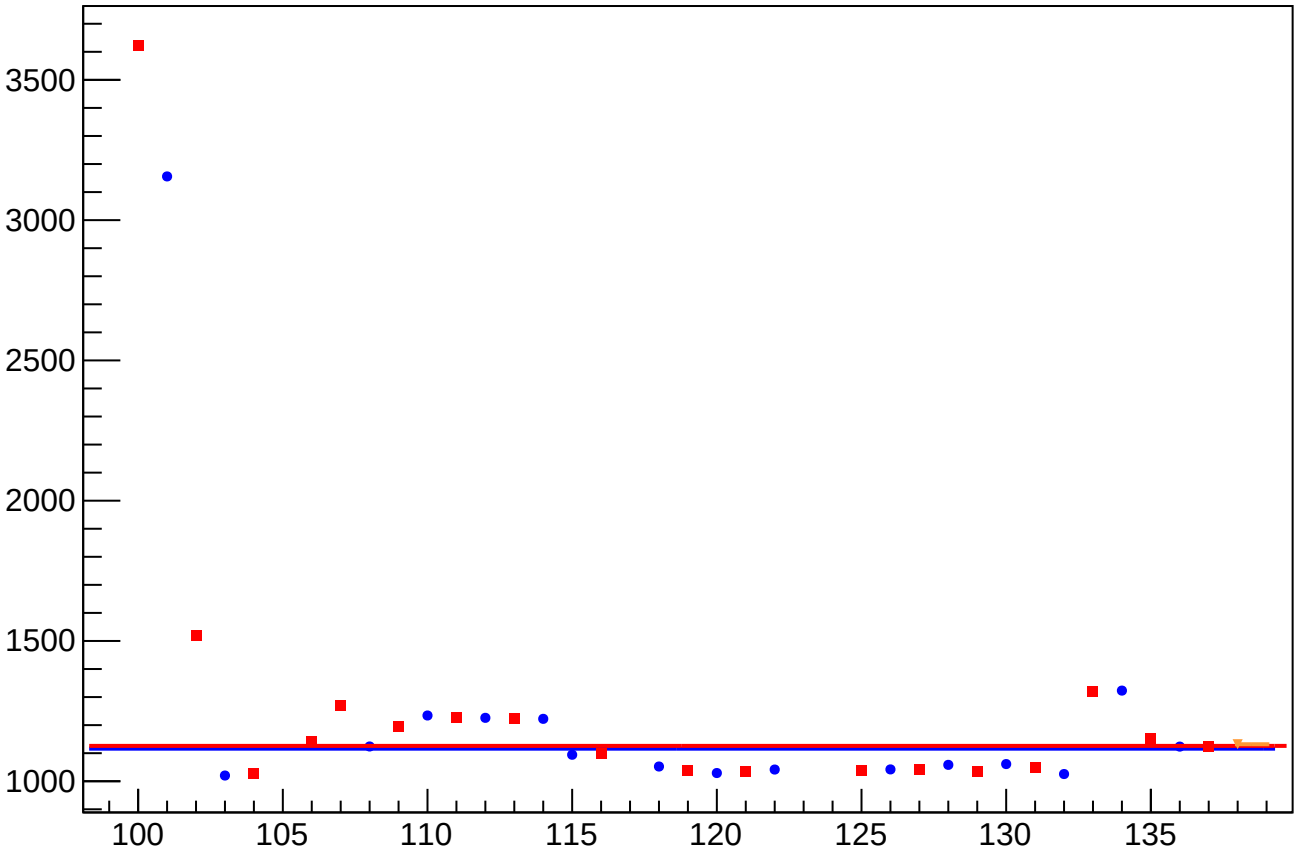
Left: 382.087+/-1281.239 χ^2/NDF: 0.0/0

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 260.797+/-424.657 χ^2/NDF:16.9/15

Out: 268.481+/-404.057 χ^2/NDF:17.4/18

All: 264.830+/-292.723 χ^2/NDF: 34.3/34



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1131.848+/-0.906 χ^2/NDF:0.0/0

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

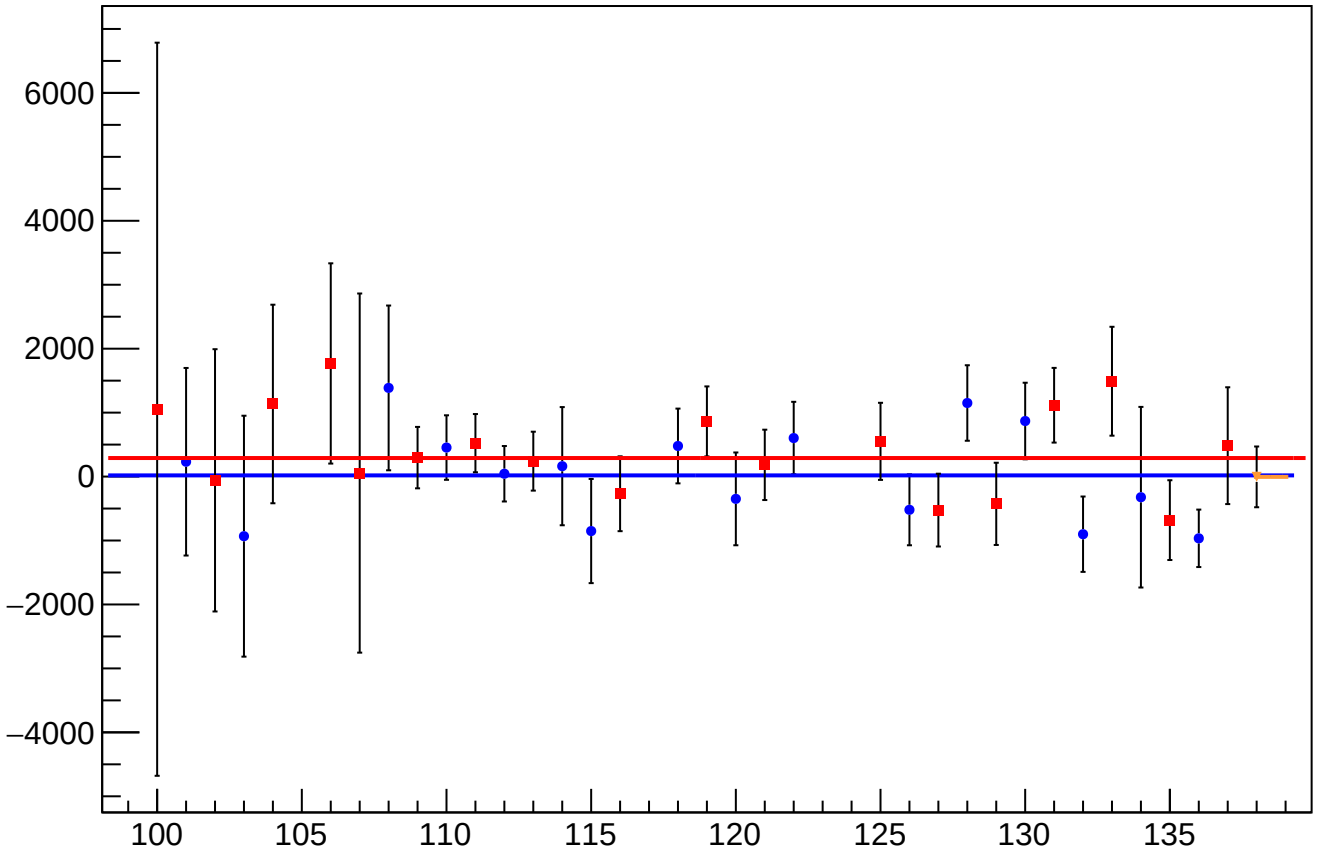
Left: 1131.848+/-0.906 χ^2/NDF: 0.0/0

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1116.089+/-0.300 χ^2/NDF:623390.9/15

Out: 1126.596+/-0.286 χ^2/NDF:222143.3/18

All: 1121.603+/-0.207 χ^2/NDF: 846176.7/34



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -4.759+/-475.044 χ^2/NDF:0.0/0

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -4.759+/-475.044 χ^2/NDF: 0.0/0

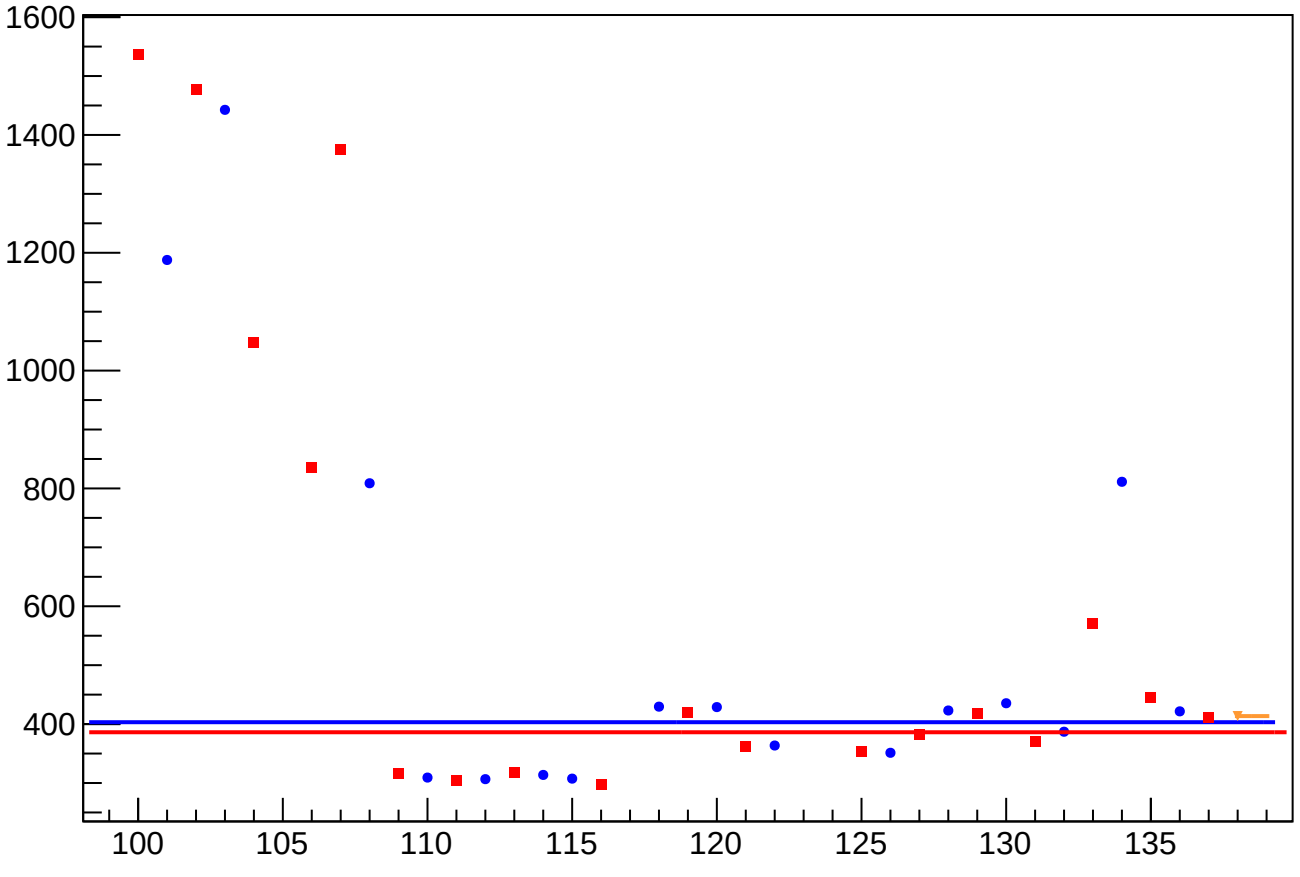
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 18.468+/-161.237 χ^2/NDF:19.2/15

Out: 261.196+/-148.375 χ^2/NDF:13.8/18

All: 149.898+/-109.181 χ^2/NDF: 34.3/34

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: 413.572+/-0.336 χ^2/NDF:0.0/0

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

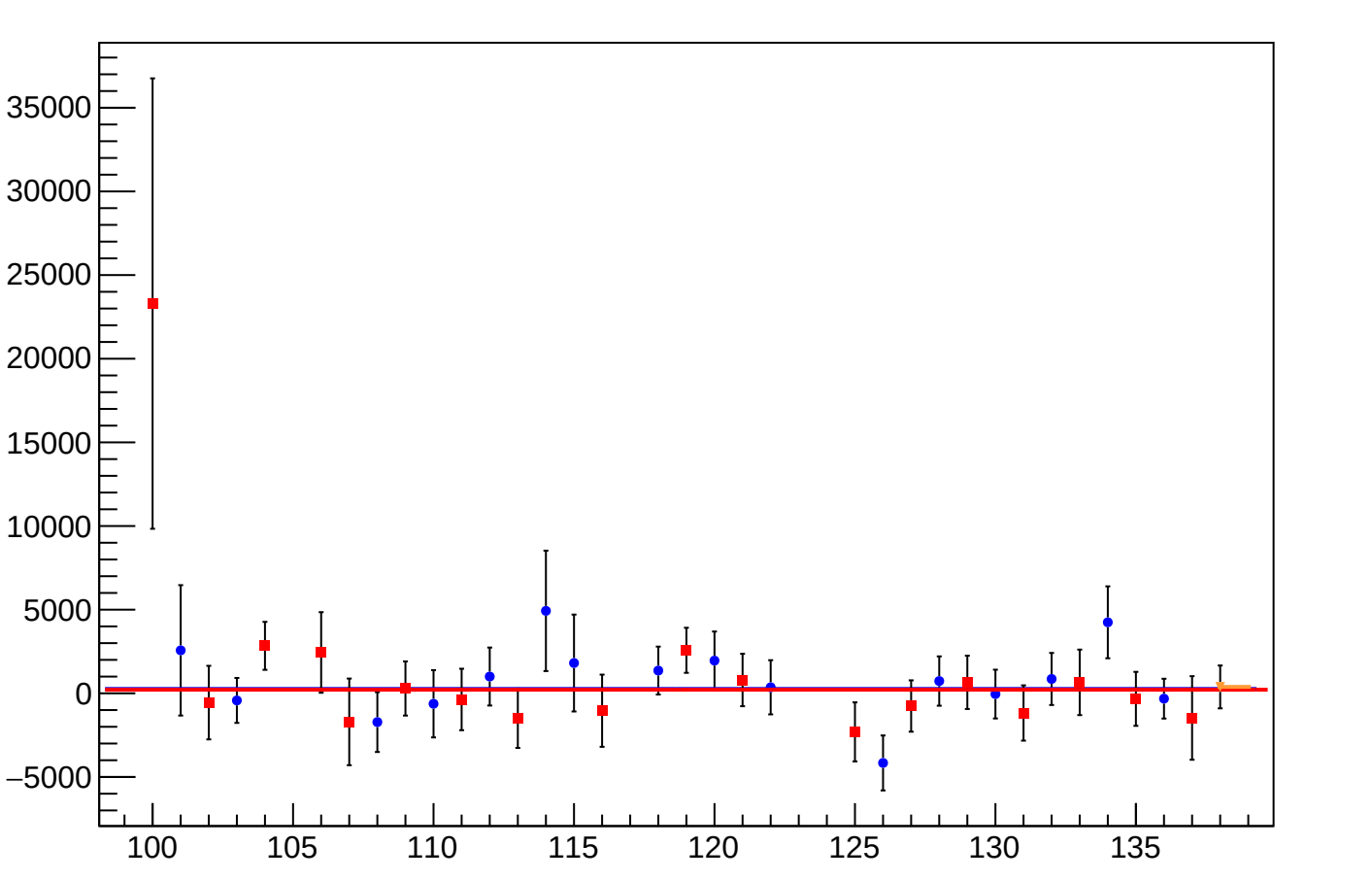
Left: 413.572+/-0.336 χ^2/NDF: 0.0/0

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 403.194+/-0.114 χ^2/NDF:1808432.3/15

Out: 388.822+/-0.105 χ^2/NDF:1765129.8/18

All: 395.412+/-0.077 χ^2/NDF: 3582166.9/34



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 382.059+/-1281.239 χ^2/NDF:0.0/0

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

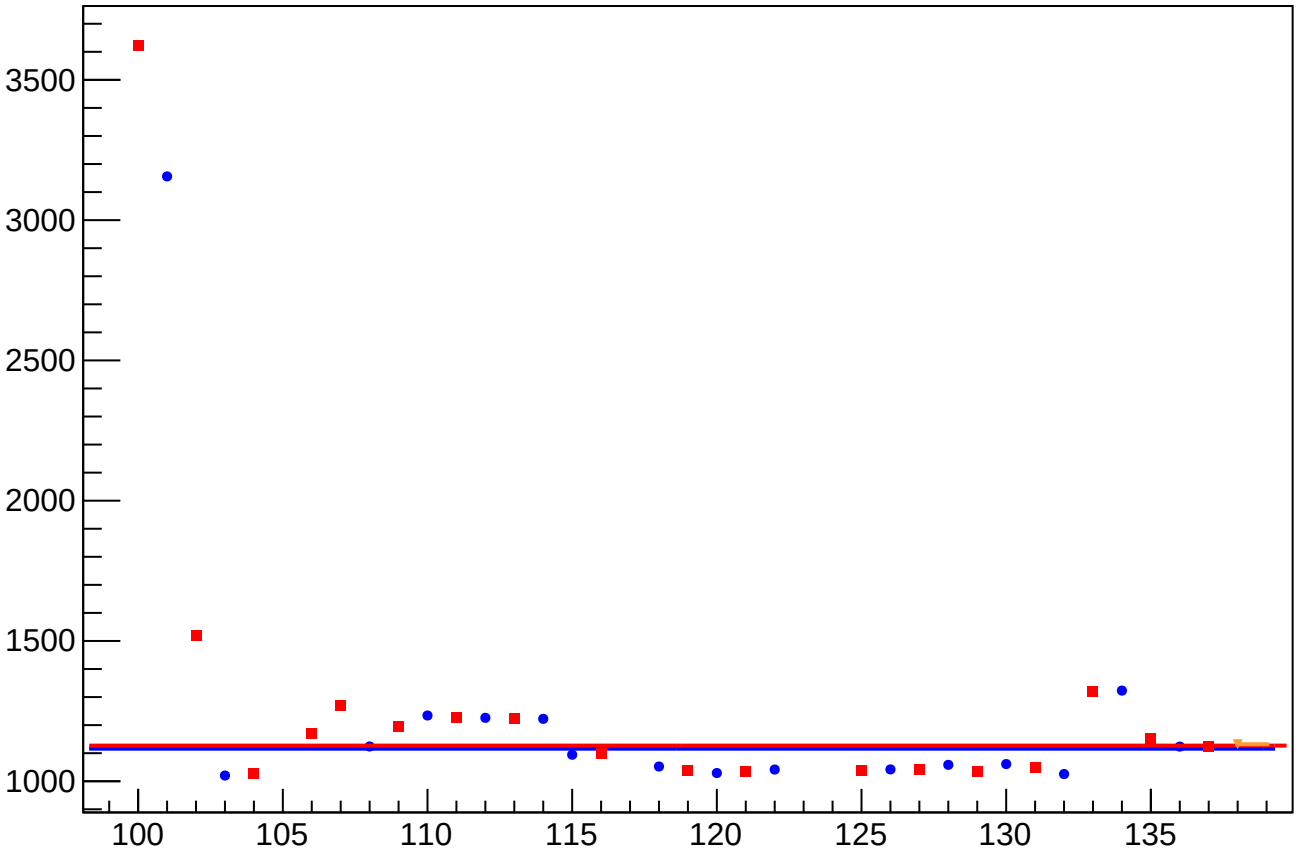
Left: 382.059+/-1281.239 χ^2/NDF: 0.0/0

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 260.415+/-424.657 χ^2/NDF:16.9/15

Out: 231.204+/-404.533 χ^2/NDF:16.2/18

All: 245.101+/-292.904 χ^2/NDF: 33.2/34



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1131.848+/-0.906 χ^2/NDF:0.0/0

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

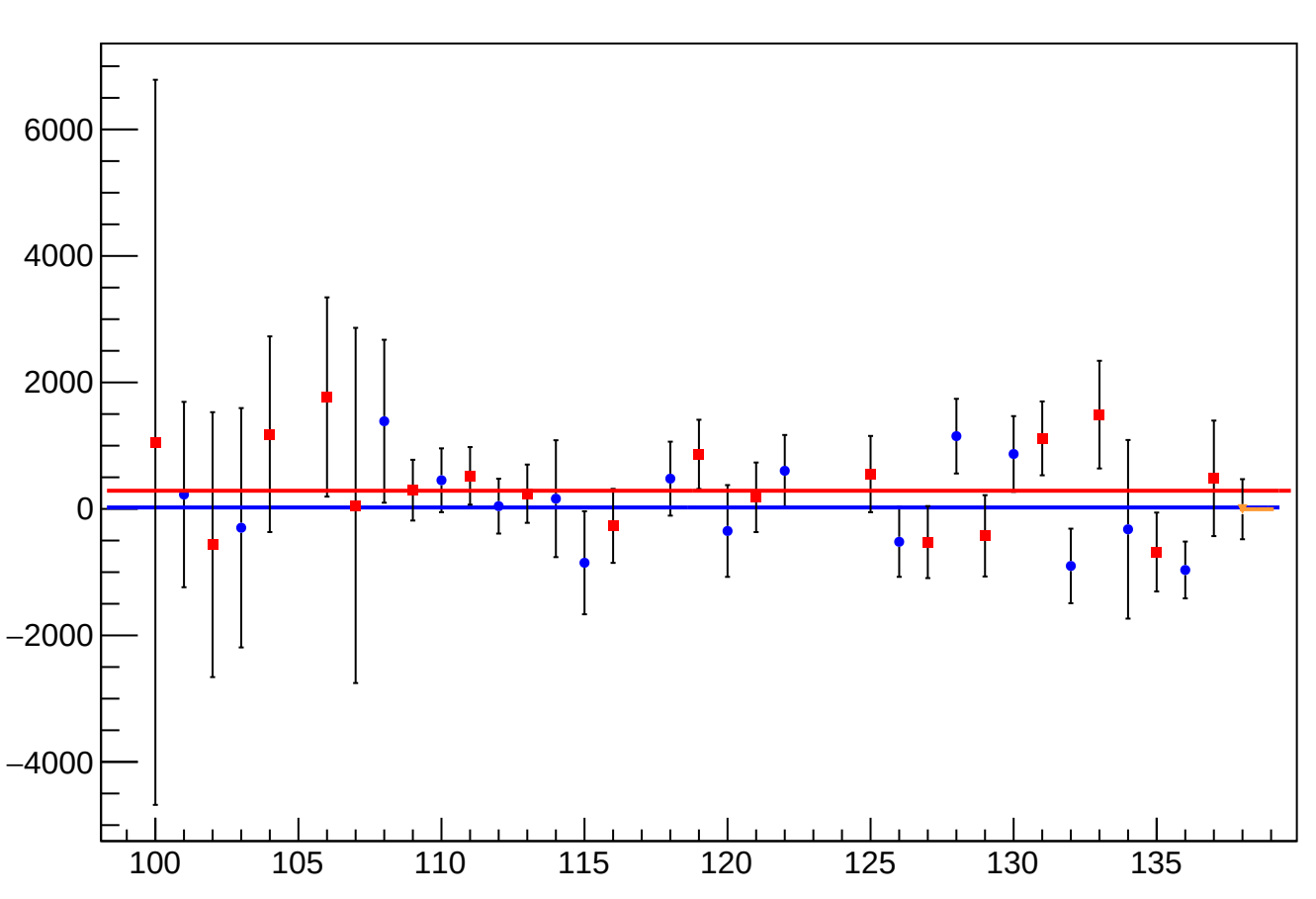
Left: 1131.848+/-0.906 χ^2/NDF: 0.0/0

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1116.089+/-0.300 χ^2/NDF:623391.9/15

Out: 1127.448+/-0.286 χ^2/NDF:222766.4/18

All: 1122.044+/-0.207 χ^2/NDF: 846908.4/34



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -4.745+/-475.041 χ^2/NDF:0.0/0

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -4.745+/-475.041 χ^2/NDF: 0.0/0

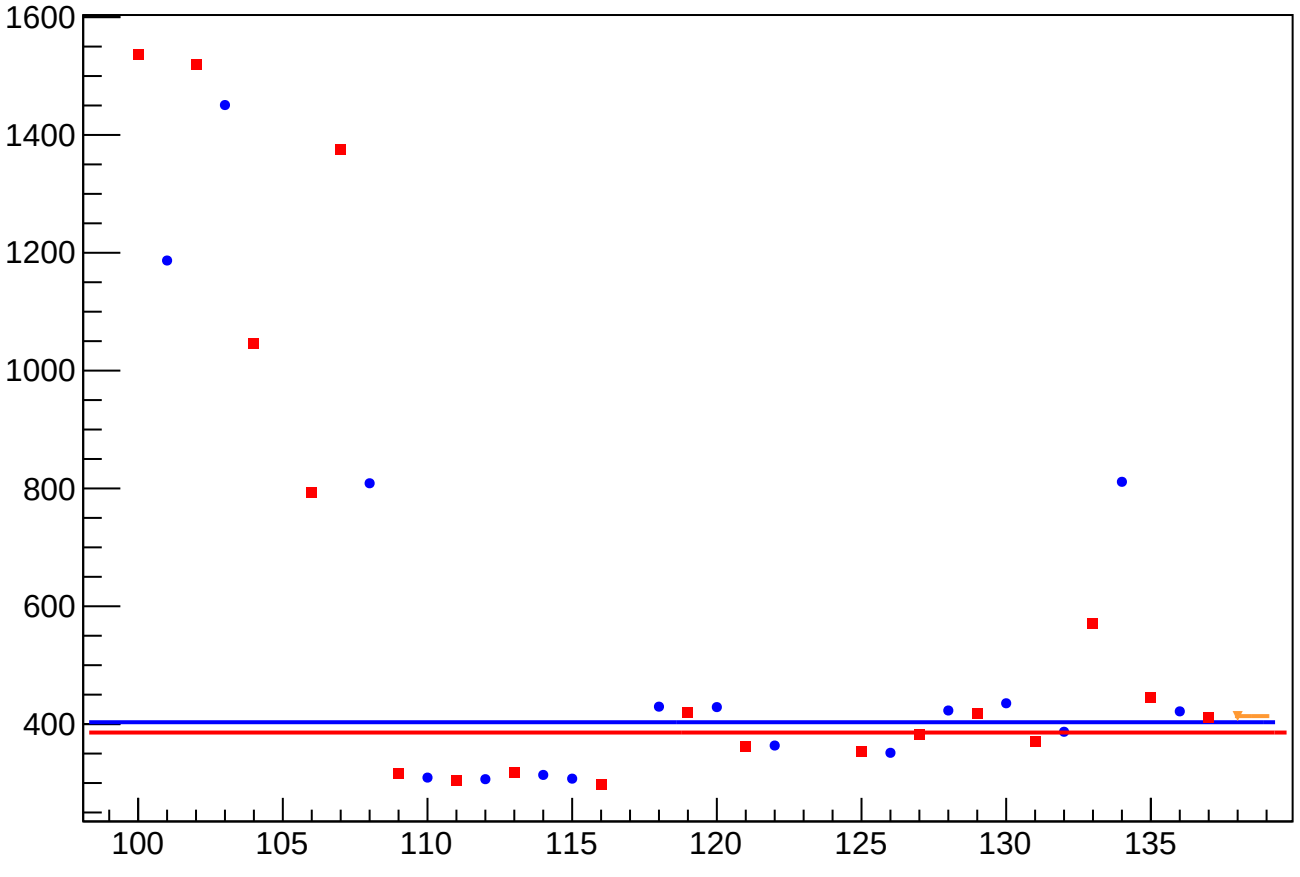
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 22.923+/-161.238 χ^2/NDF:19.0/15

Out: 259.085+/-148.395 χ^2/NDF:14.0/18

All: 150.783+/-109.190 χ^2/NDF: 34.1/34

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: 413.570+/-0.336 χ^2/NDF:0.0/0

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

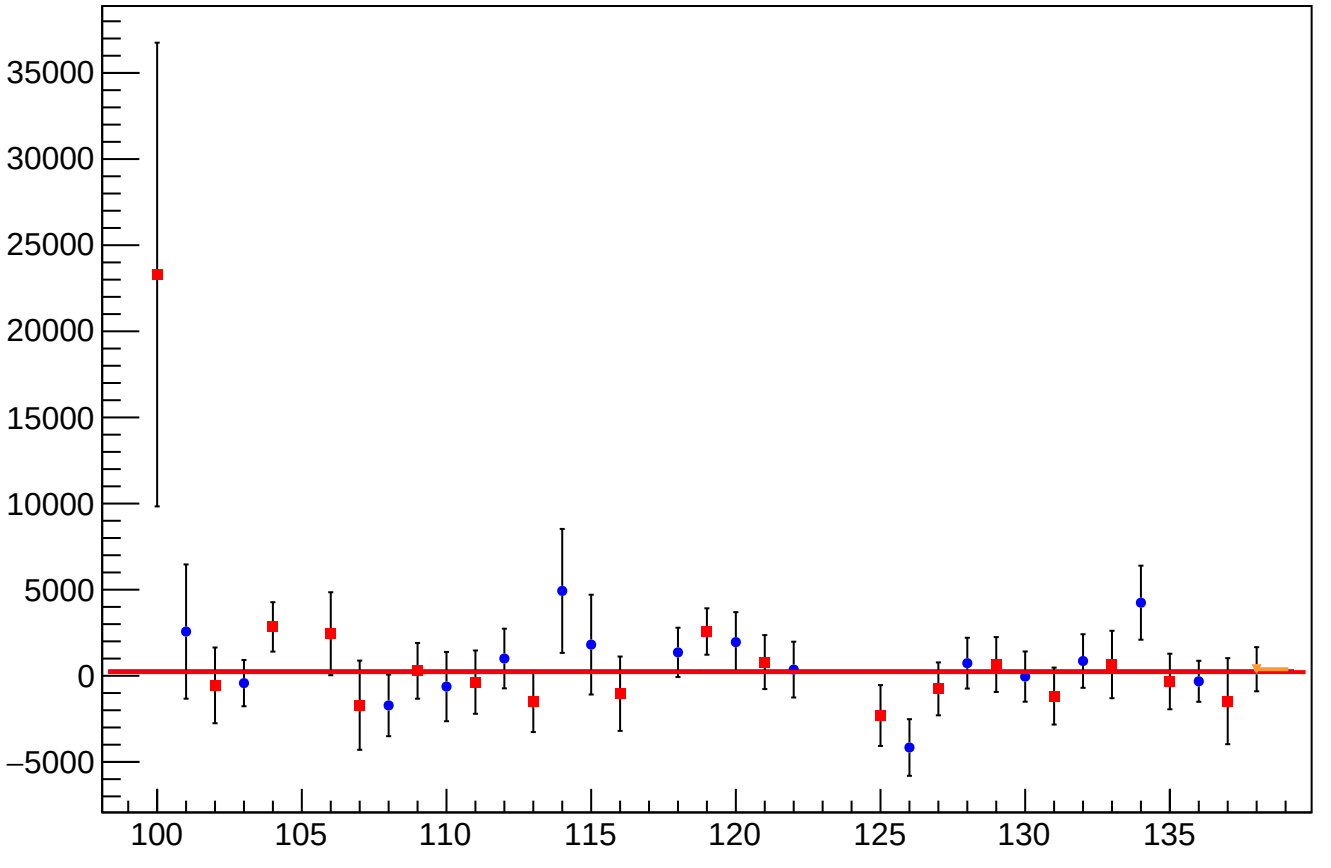
Left: 413.570+/-0.336 χ^2/NDF: 0.0/0

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 403.182+/-0.114 χ^2/NDF:1812111.0/15

Out: 388.403+/-0.105 χ^2/NDF:1753372.5/18

All: 395.181+/-0.077 χ^2/NDF: 3574581.0/34



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 382.059+/-1281.239 χ^2/NDF:0.0/0

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

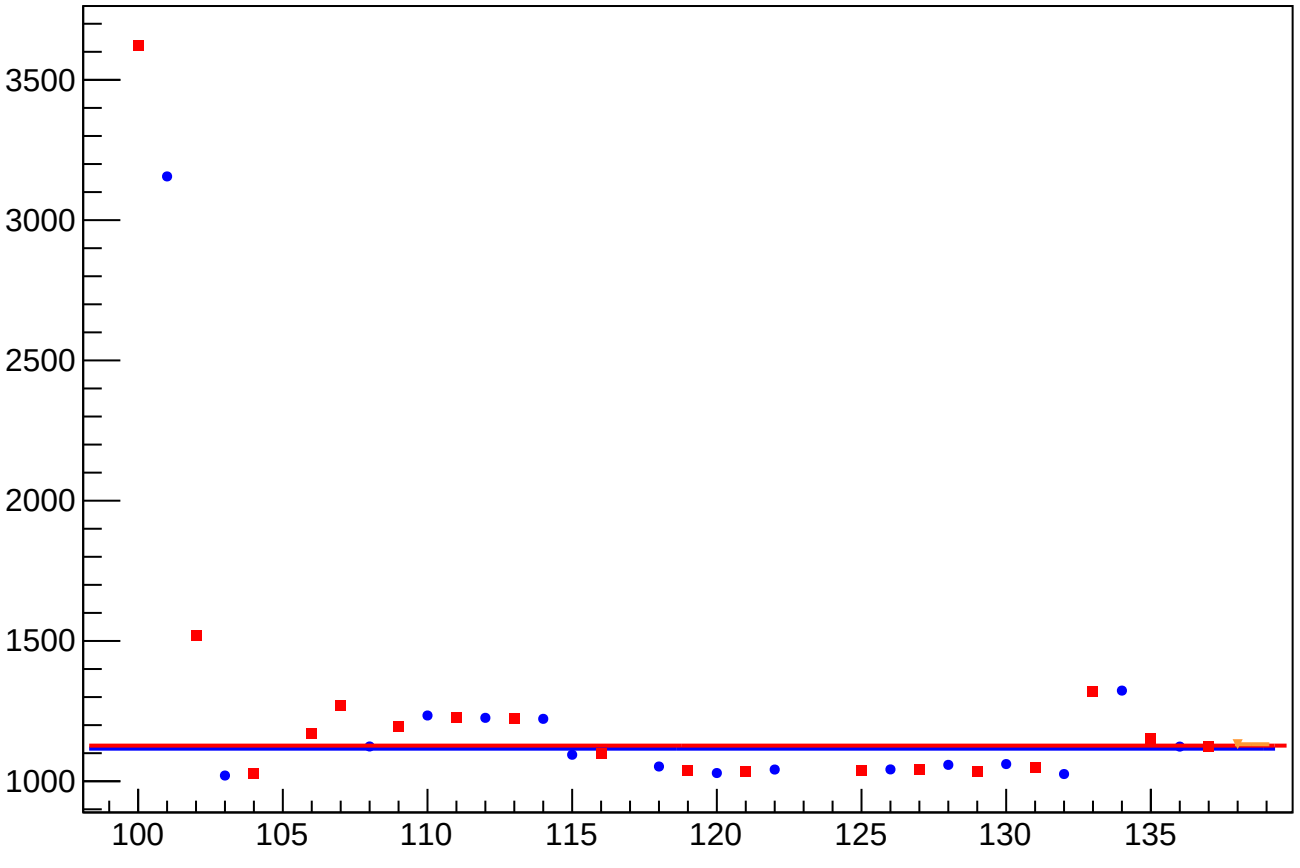
Left: 382.059+/-1281.239 χ^2/NDF: 0.0/0

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 260.415+/-424.657 χ^2/NDF:16.9/15

Out: 231.204+/-404.533 χ^2/NDF:16.2/18

All: 245.101+/-292.904 χ^2/NDF: 33.2/34



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1131.848+/-0.906 χ^2/NDF:0.0/0

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

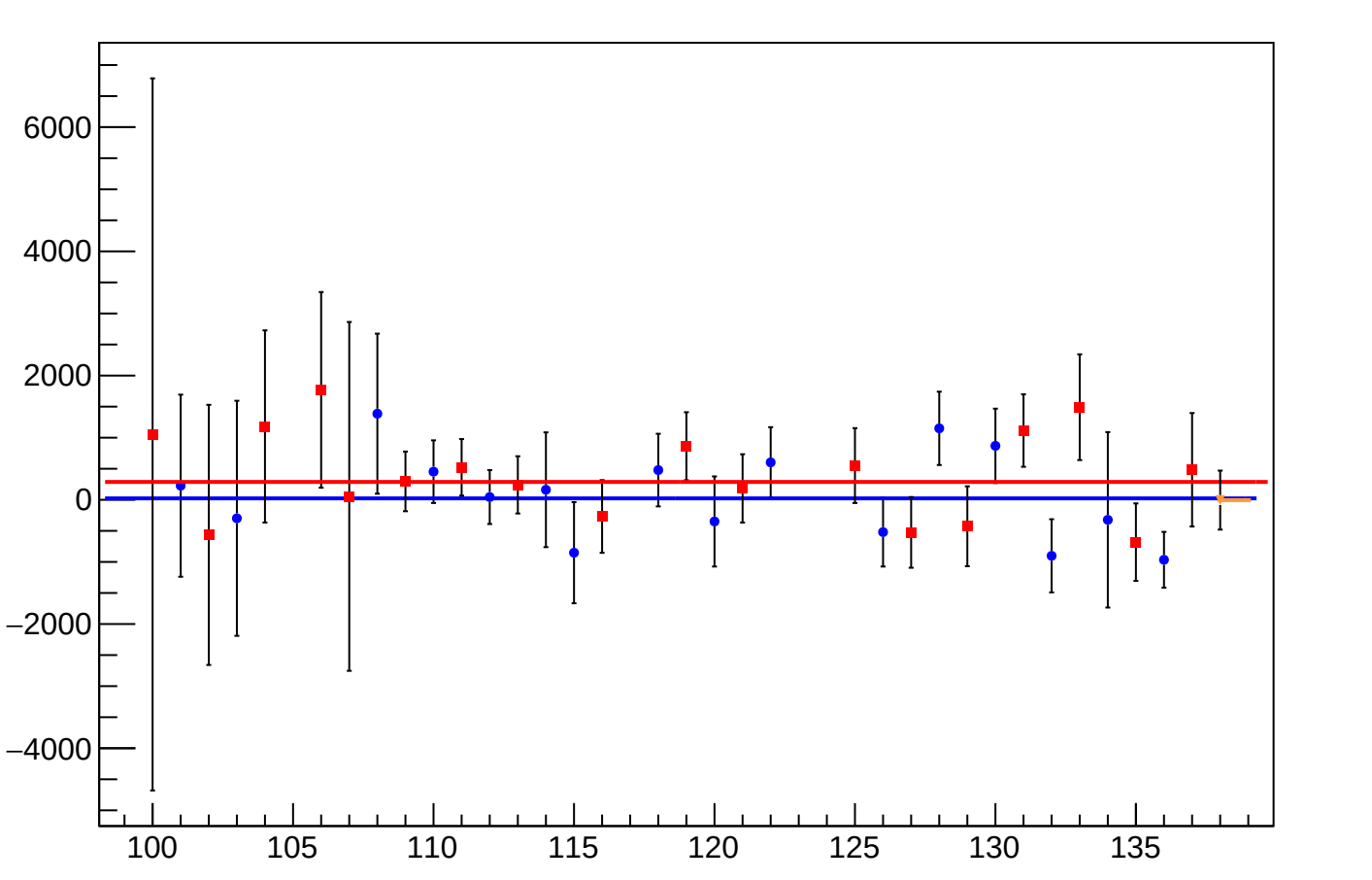
Left: 1131.848+/-0.906 χ^2/NDF: 0.0/0

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1116.089+/-0.300 χ^2/NDF:623391.9/15

Out: 1127.448+/-0.286 χ^2/NDF:222766.4/18

All: 1122.044+/-0.207 χ^2/NDF: 846908.4/34



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -4.745+/-475.041 χ^2/NDF:0.0/0

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -4.745+/-475.041 χ^2/NDF: 0.0/0

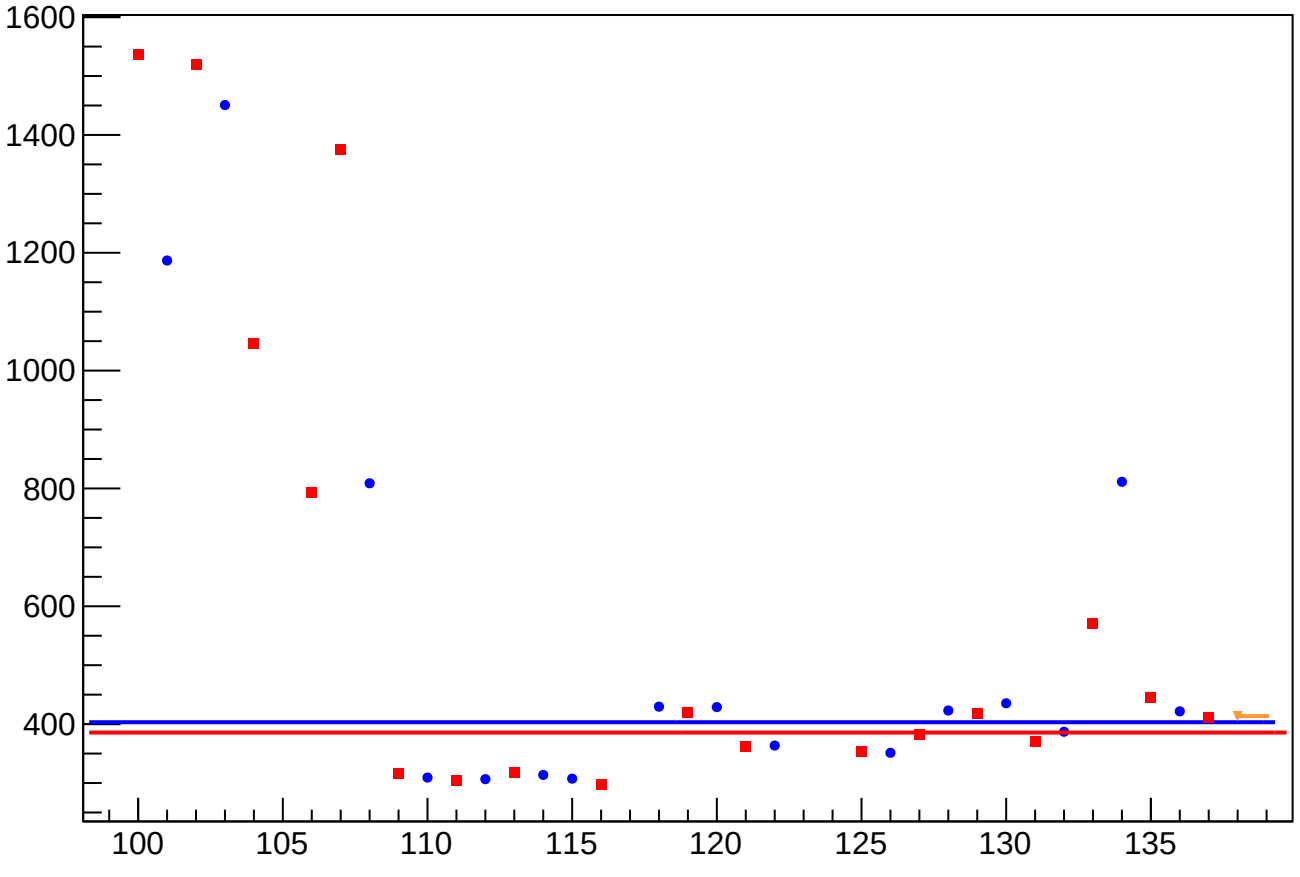
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 22.923+/-161.238 χ^2/NDF:19.0/15

Out: 259.085+/-148.395 χ^2/NDF:14.0/18

All: 150.783+/-109.190 χ^2/NDF: 34.1/34

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: 413.570+/-0.336 χ^2/NDF:0.0/0

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

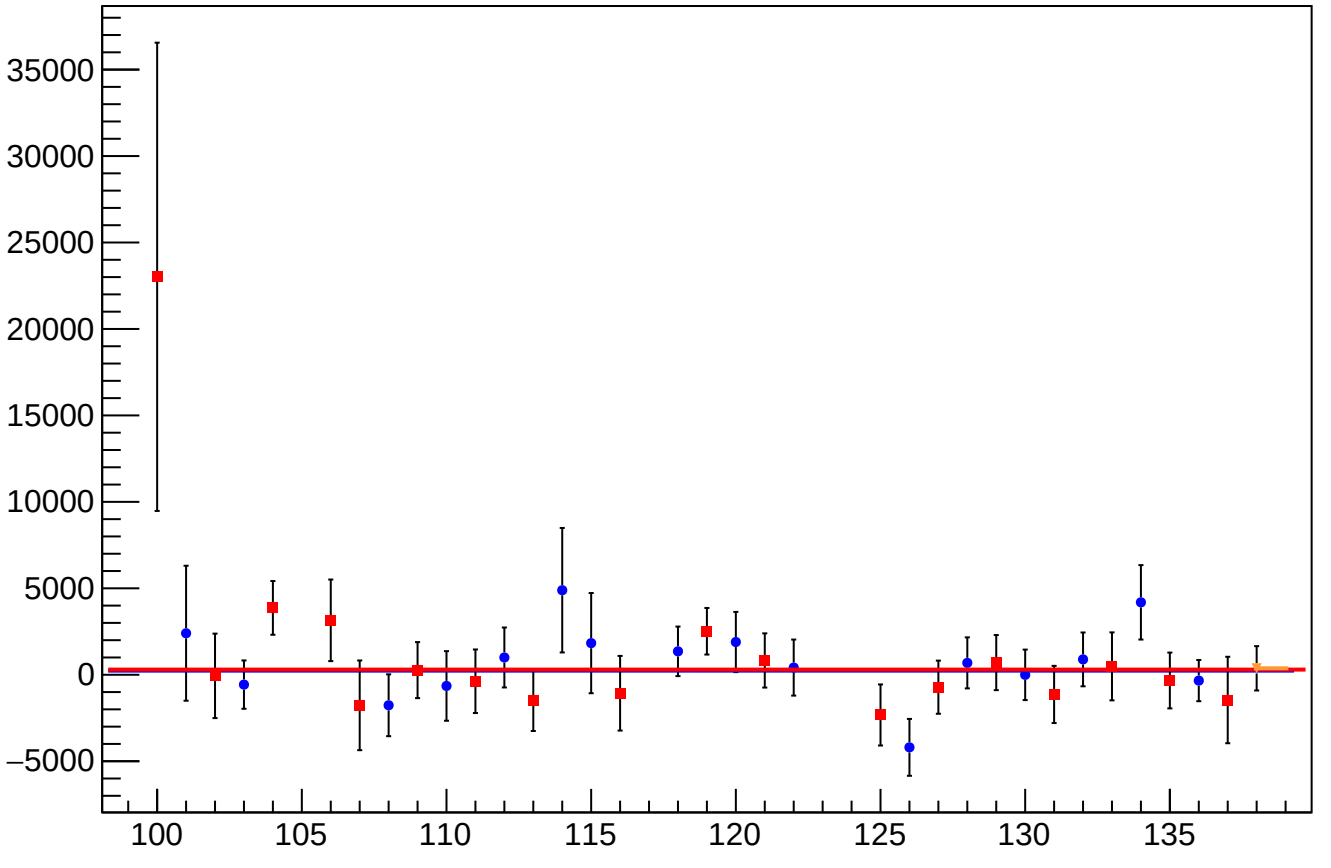
Left: 413.570+/-0.336 χ^2/NDF: 0.0/0

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 403.182+/-0.114 χ^2/NDF:1812111.0/15

Out: 388.403+/-0.105 χ^2/NDF:1753372.5/18

All: 395.181+/-0.077 χ^2/NDF: 3574581.0/34



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 373.663+/-1282.372 χ^2/NDF:0.0/0

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

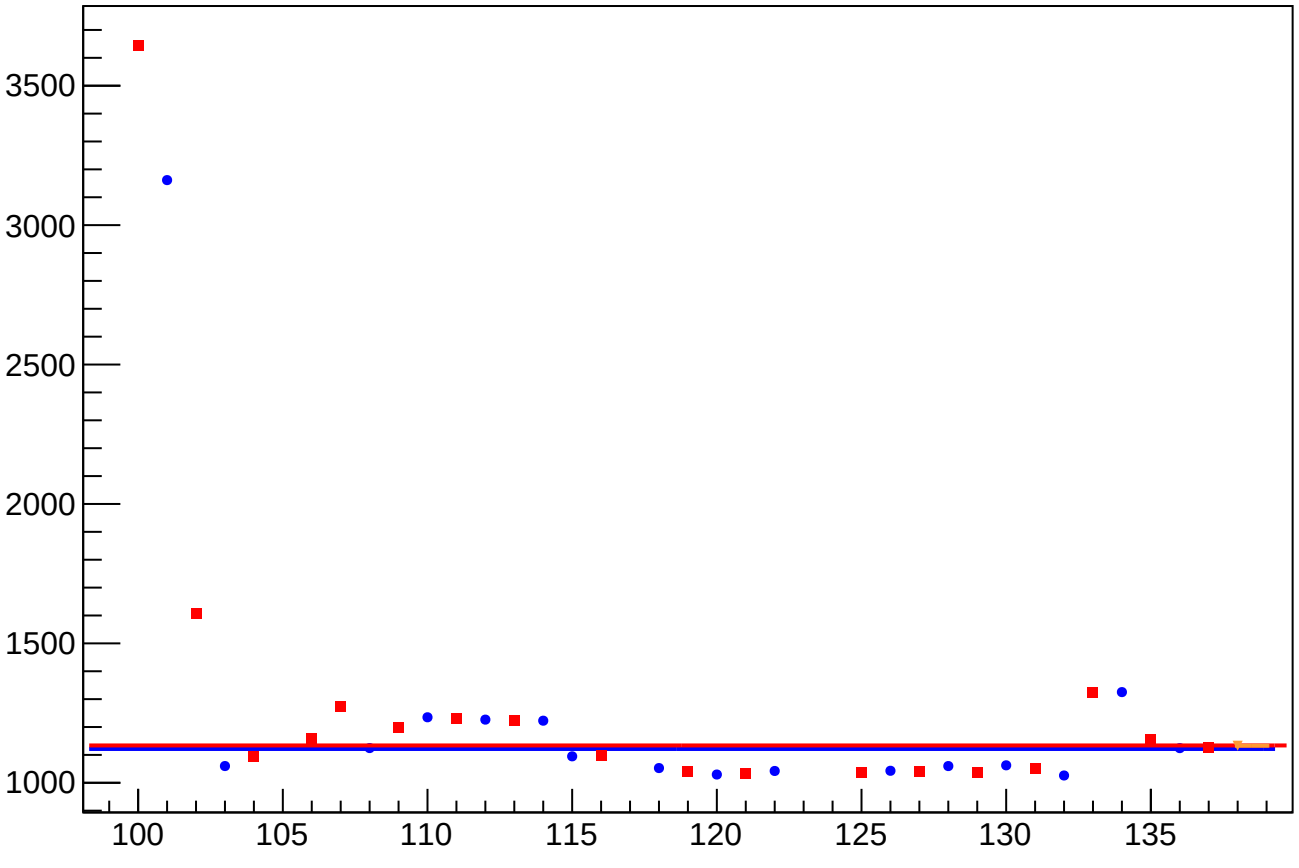
Left: 373.663+/-1282.372 χ^2/NDF: 0.0/0

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 240.827+/-426.592 χ^2/NDF:17.0/15

Out: 306.499+/-408.344 χ^2/NDF:18.7/18

All: 275.098+/-294.983 χ^2/NDF: 35.7/34



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1132.849+/-0.907 χ^2/NDF:0.0/0

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

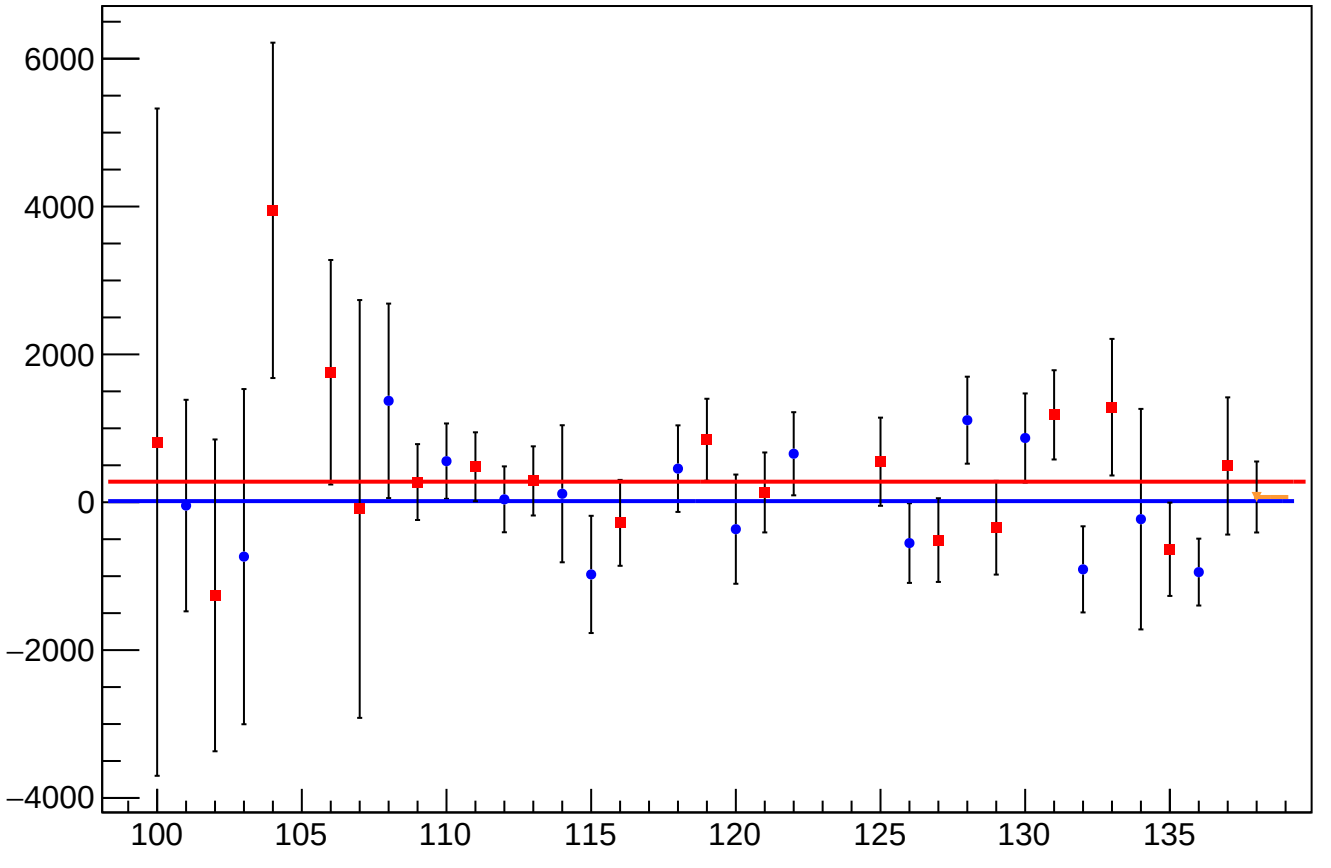
Left: 1132.849+/-0.907 χ^2/NDF: 0.0/0

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1121.294+/-0.302 χ^2/NDF:617028.4/15

Out: 1133.820+/-0.289 χ^2/NDF:227458.3/18

All: 1127.830+/-0.209 χ^2/NDF: 845386.5/34



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: 71.134+/-480.163 χ^2/NDF:0.0/0

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 71.134+/-480.163 χ^2/NDF: 0.0/0

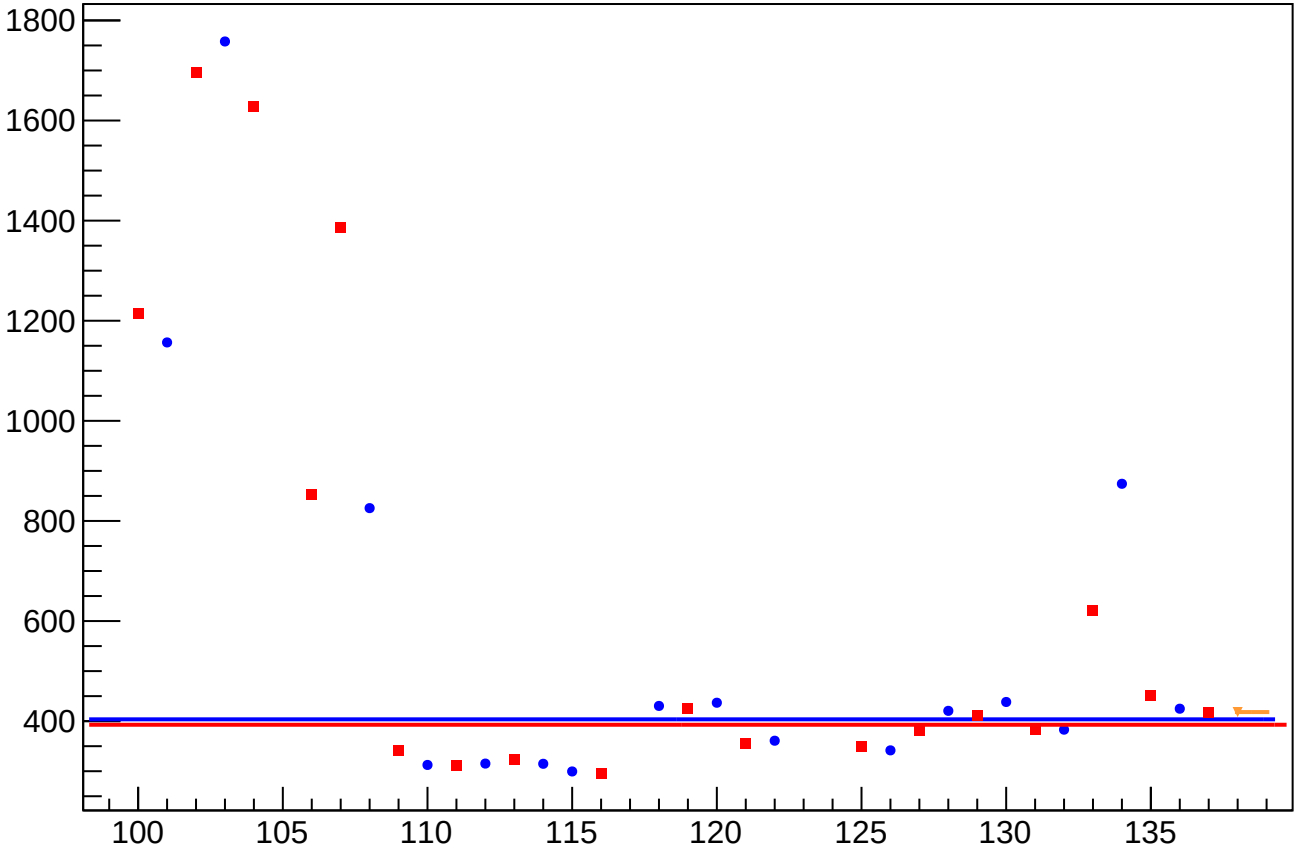
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 15.291+/-161.845 χ^2/NDF:19.6/15

Out: 257.825+/-150.792 χ^2/NDF:15.2/18

All: 145.122+/-110.327 χ^2/NDF: 36.1/34

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 418.186+/-0.340 χ^2/NDF:0.0/0

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

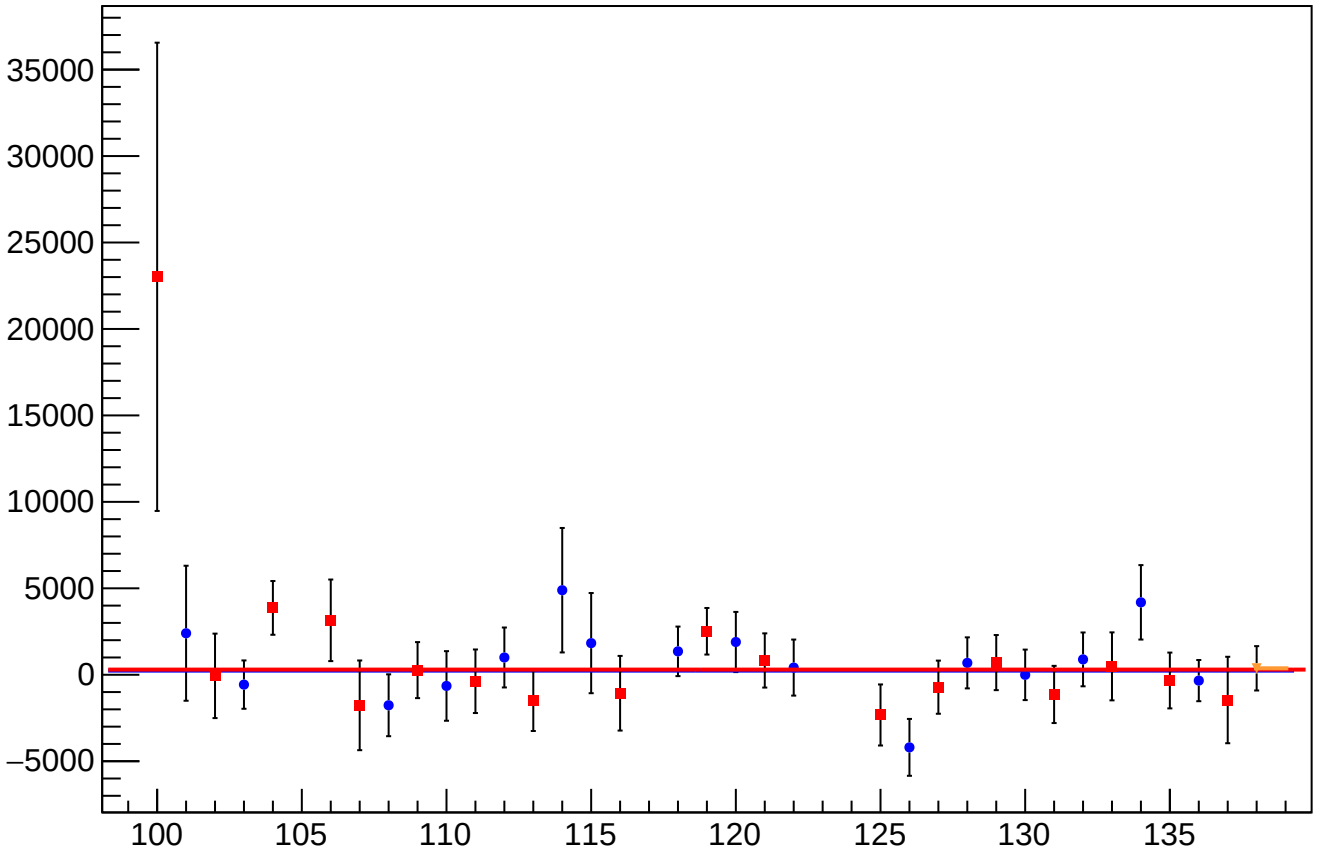
Left: 418.186+/-0.340 χ^2/NDF: 0.0/0

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 403.656+/-0.114 χ^2/NDF:1929597.5/15

Out: 395.322+/-0.107 χ^2/NDF:2208487.1/18

All: 399.195+/-0.078 χ^2/NDF: 4140923.2/34



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 373.643+/-1282.372 χ^2/NDF:0.0/0

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

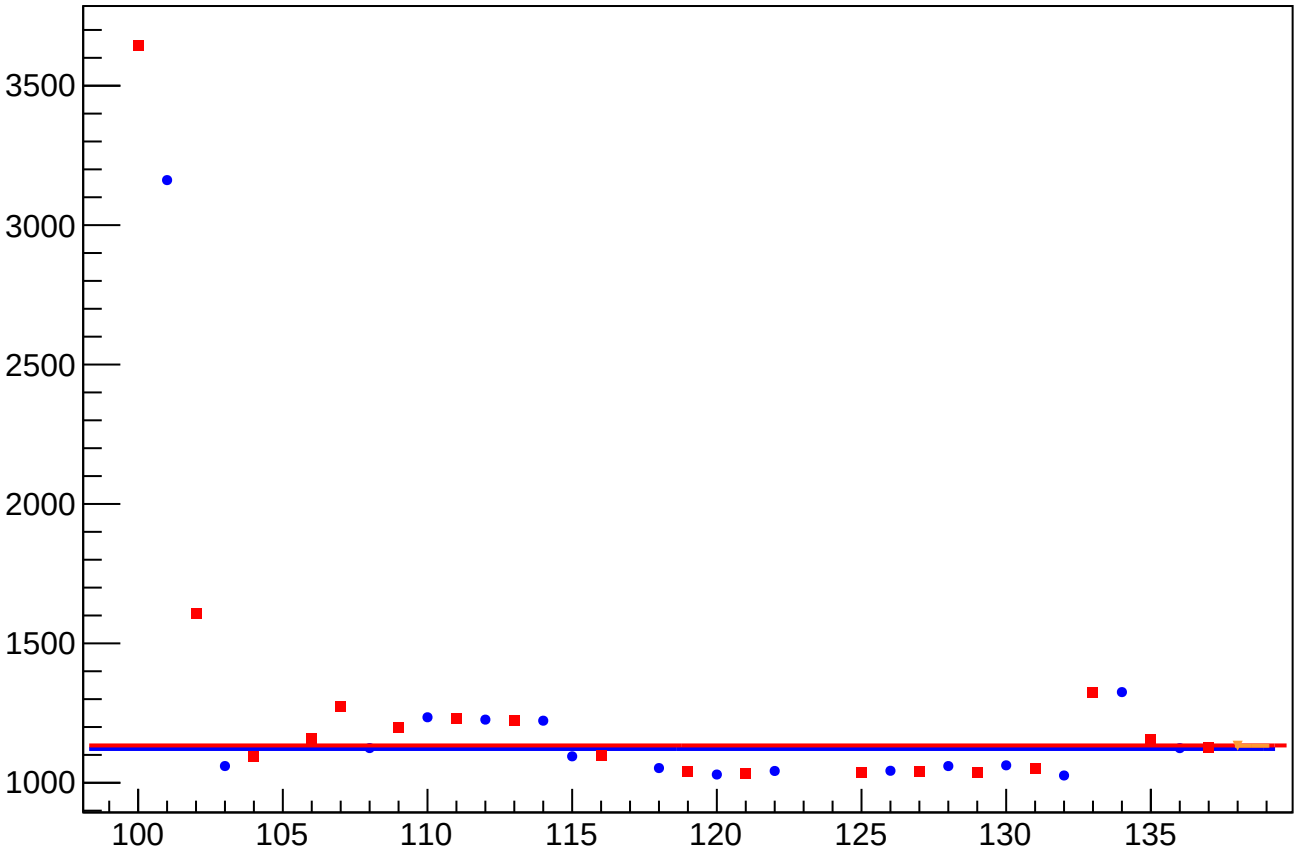
Left: 373.643+/-1282.372 χ^2/NDF: 0.0/0

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 240.829+/-426.592 χ^2/NDF:17.0/15

Out: 306.498+/-408.344 χ^2/NDF:18.7/18

All: 275.098+/-294.983 χ^2/NDF: 35.7/34



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1132.849+/-0.907 χ^2/NDF:0.0/0

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

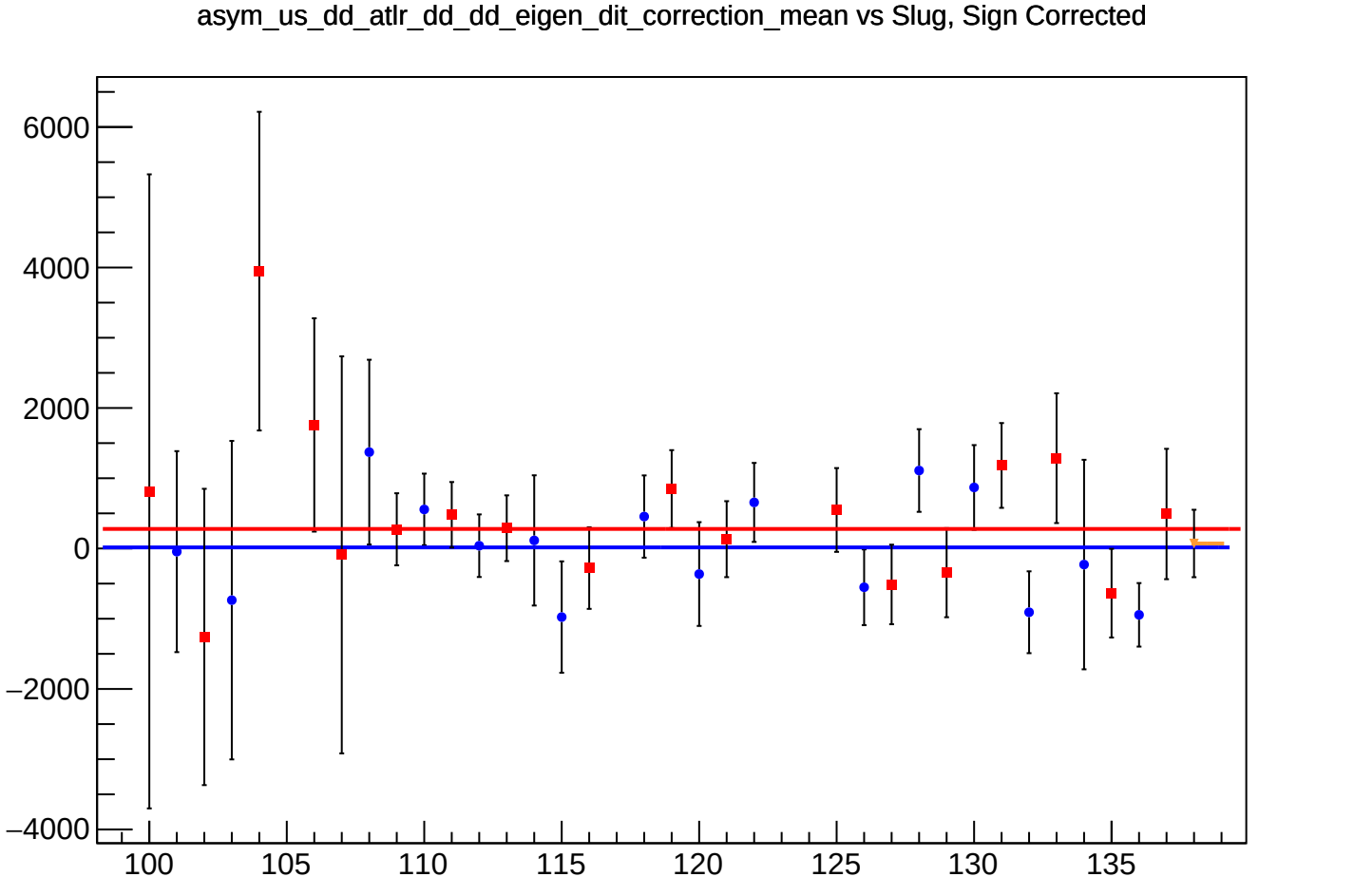
Left: 1132.849+/-0.907 χ^2/NDF: 0.0/0

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

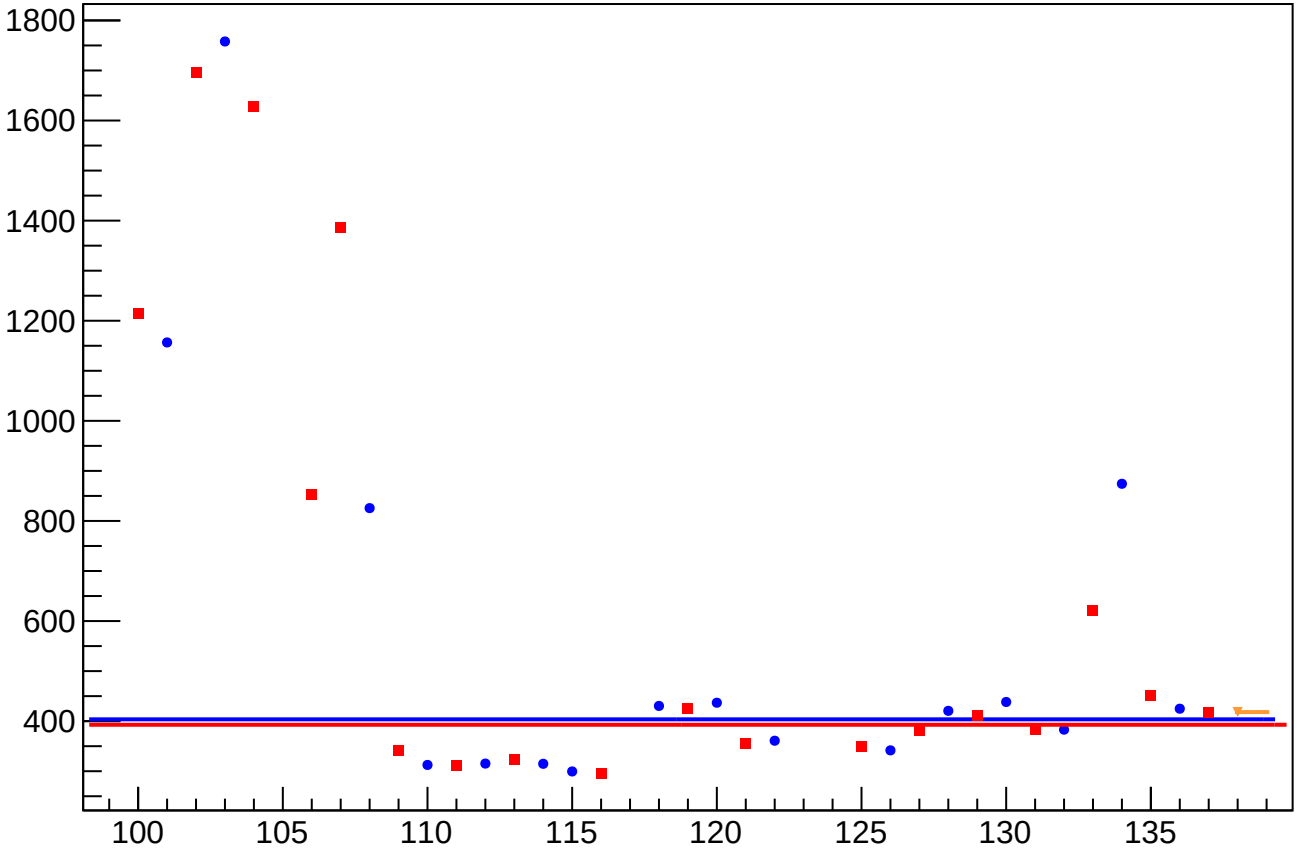
In: 1121.294+/-0.302 χ^2/NDF:617028.4/15

Out: 1133.820+/-0.289 χ^2/NDF:227458.4/18

All: 1127.830+/-0.209 χ^2/NDF: 845386.6/34


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
105
110
115
120
125
130
135
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: 71.116+/-480.159 χ²/NDF:0.0/0
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 71.116+/-480.159 χ²/NDF: 0.0/0
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: 15.288+/-161.844 χ²/NDF:19.6/15
Out: 257.821+/-150.791 χ²/NDF:15.2/18
All: 145.118+/-110.326 χ²/NDF: 36.1/34

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: 418.183+/-0.340 χ^2/NDF:0.0/0

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

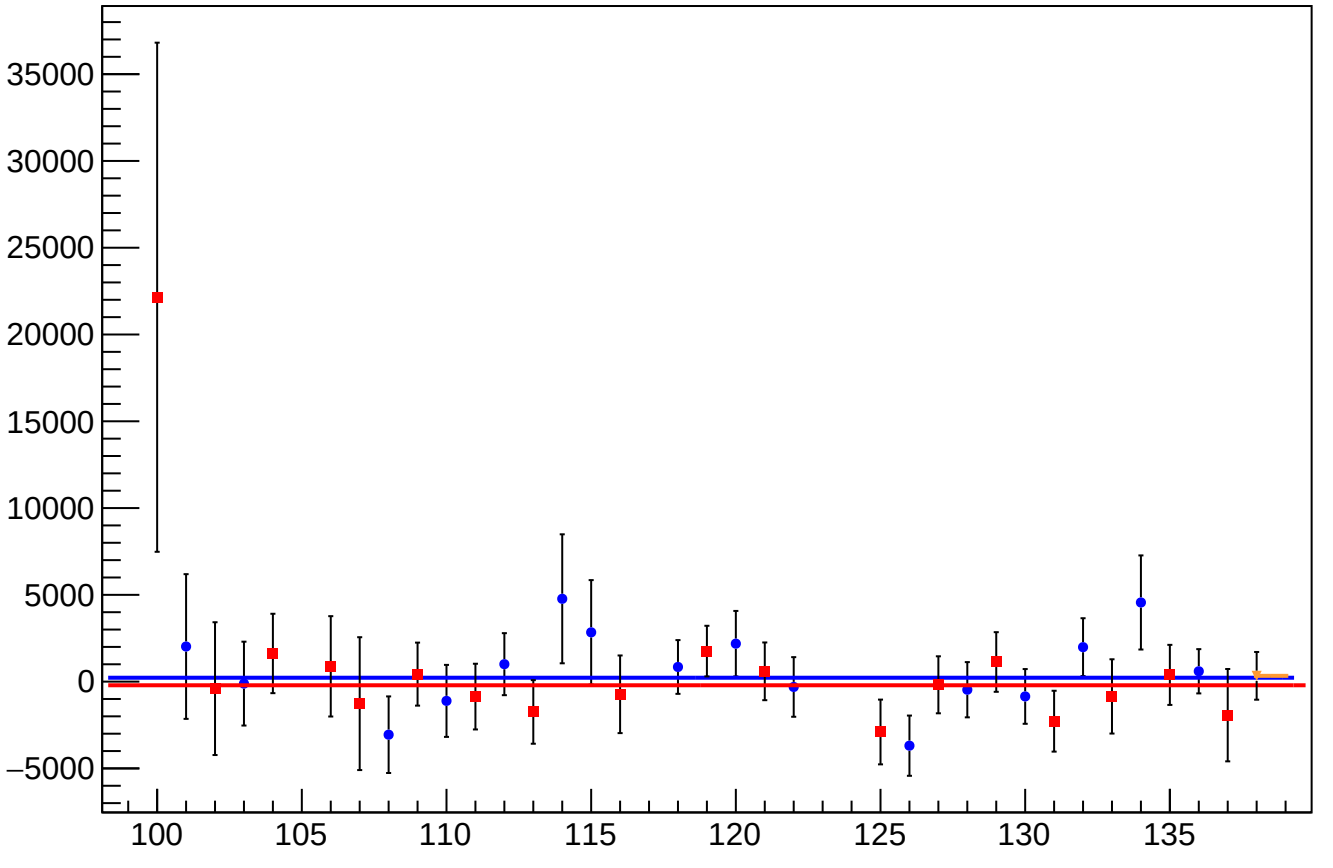
Left: 418.183+/-0.340 χ^2/NDF: 0.0/0

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 403.653+/-0.114 χ^2/NDF:1929594.3/15

Out: 395.319+/-0.107 χ^2/NDF:2208493.6/18

All: 399.192+/-0.078 χ^2/NDF: 4140926.8/34



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 333.764+/-1375.009 χ^2/NDF:0.0/0

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 333.764+/-1375.009 χ^2/NDF: 0.0/0

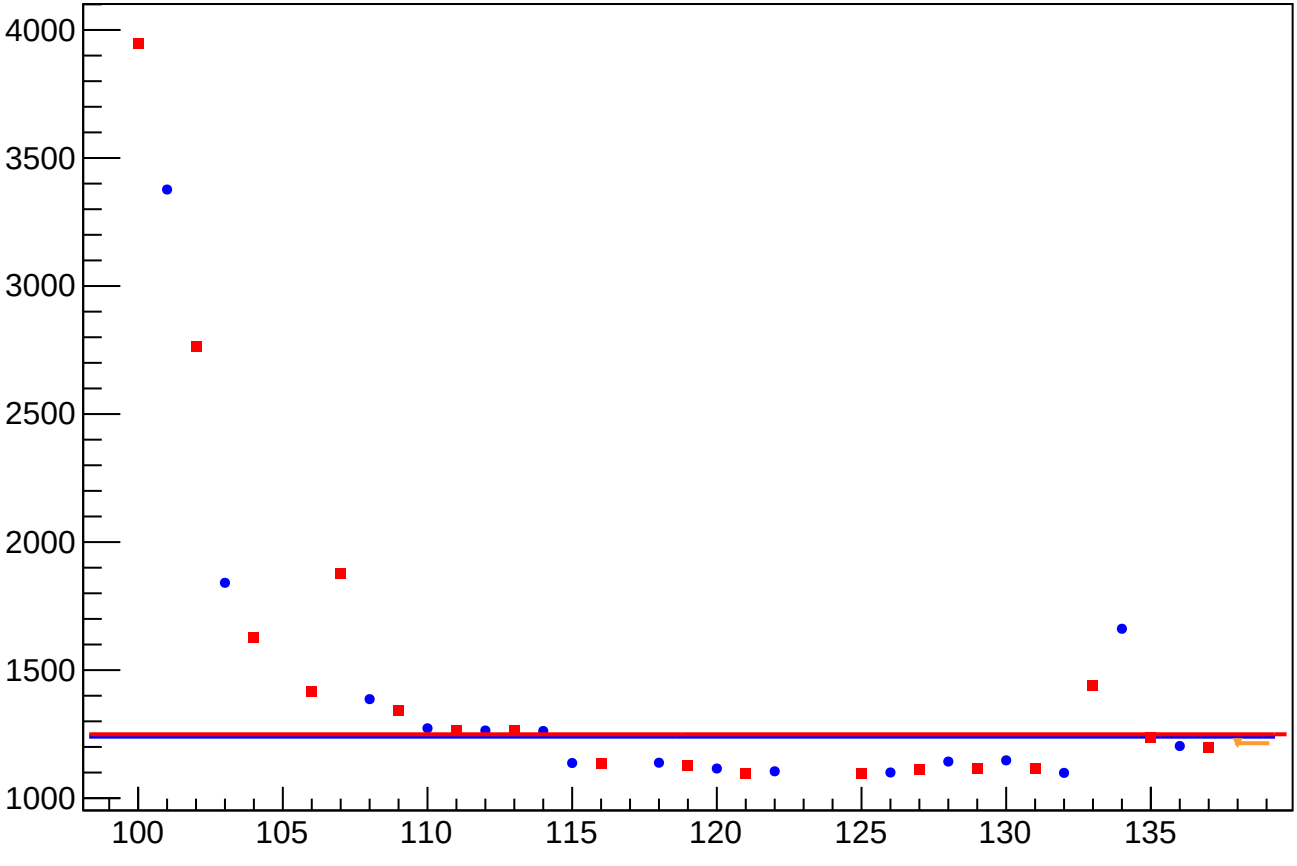
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 224.817+/-474.559 χ^2/NDF:16.1/15

Out: -151.189+/-451.345 χ^2/NDF:11.1/18

All: 27.393+/-327.048 χ^2/NDF: 27.6/34

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1214.553+/-0.972 χ^2/NDF:0.0/0

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

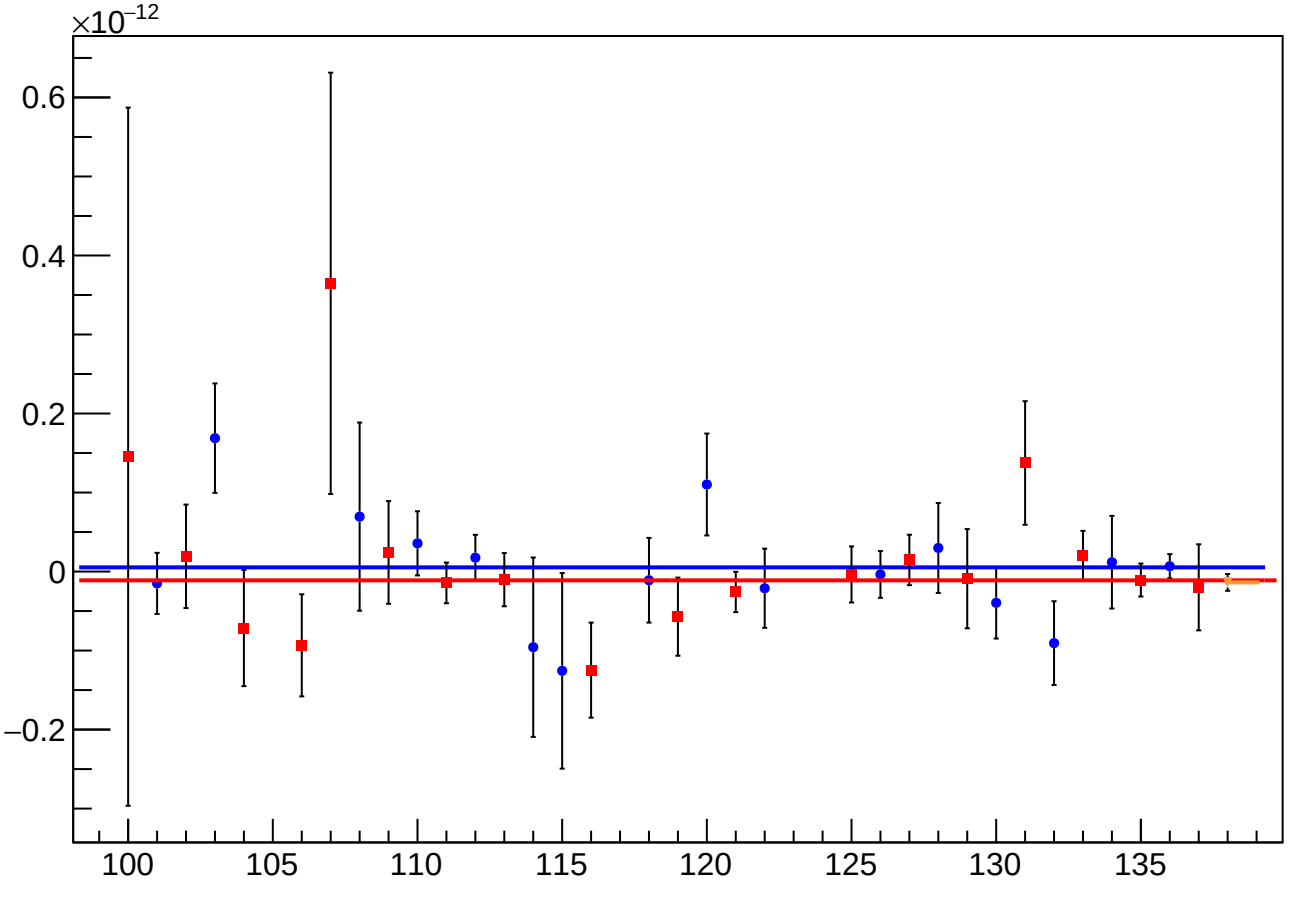
Left: 1214.553+/-0.972 χ^2/NDF: 0.0/0

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1240.140+/-0.336 χ^2/NDF:782679.7/15

Out: 1245.655+/-0.319 χ^2/NDF:607246.0/18

All: 1243.035+/-0.231 χ^2/NDF: 1390067.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

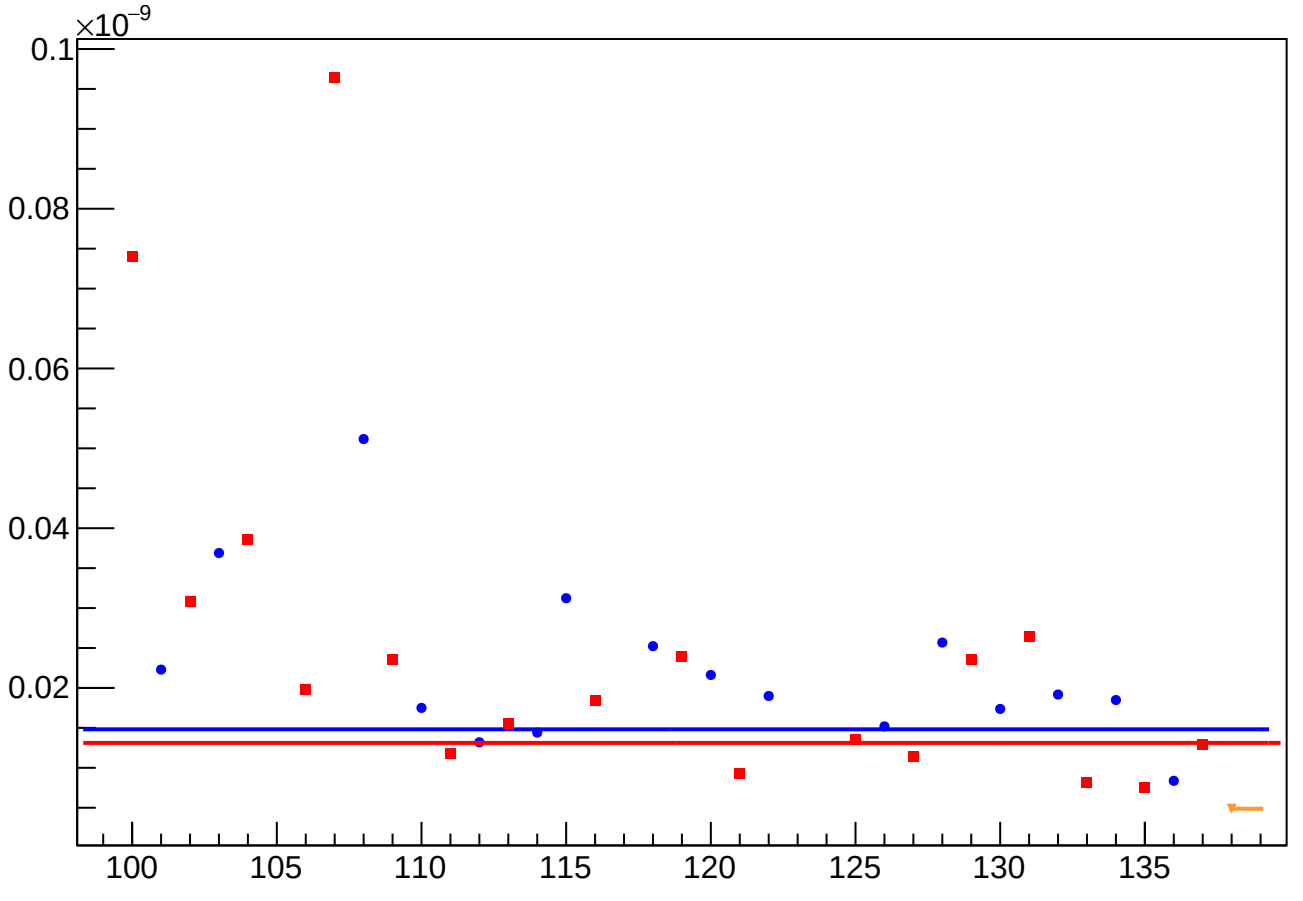
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:16.4/15

Out: -0.000+/-0.000 χ^2/NDF:15.1/18

All: -0.000+/-0.000 χ^2/NDF: 33.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

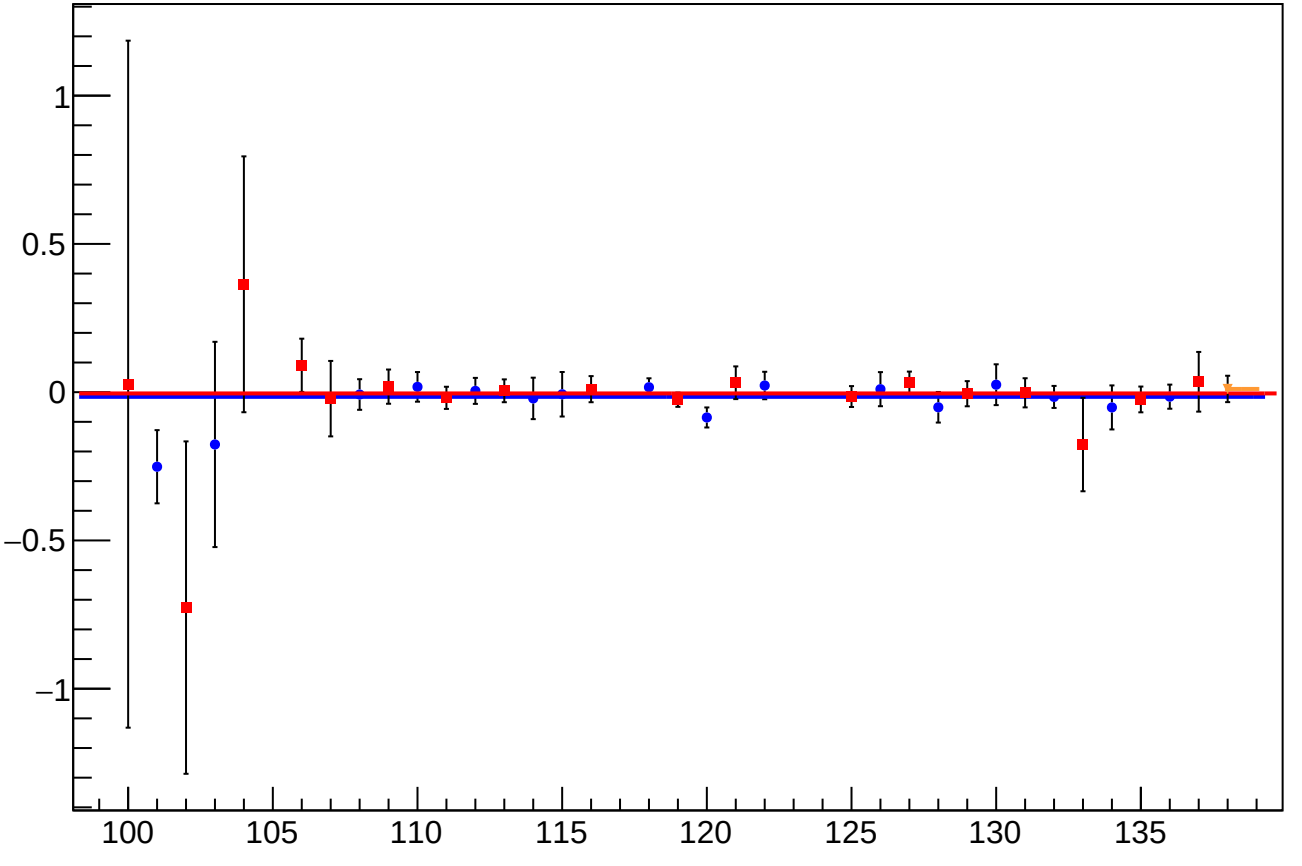
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:1081472.3/15

Out: 0.000+/-0.000 χ^2/NDF:1858527.5/18

All: 0.000+/-0.000 χ^2/NDF: 3334186.4/34

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.011+/-0.045 χ^2/NDF:0.0/0

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.011+/-0.045 χ^2/NDF: 0.0/0

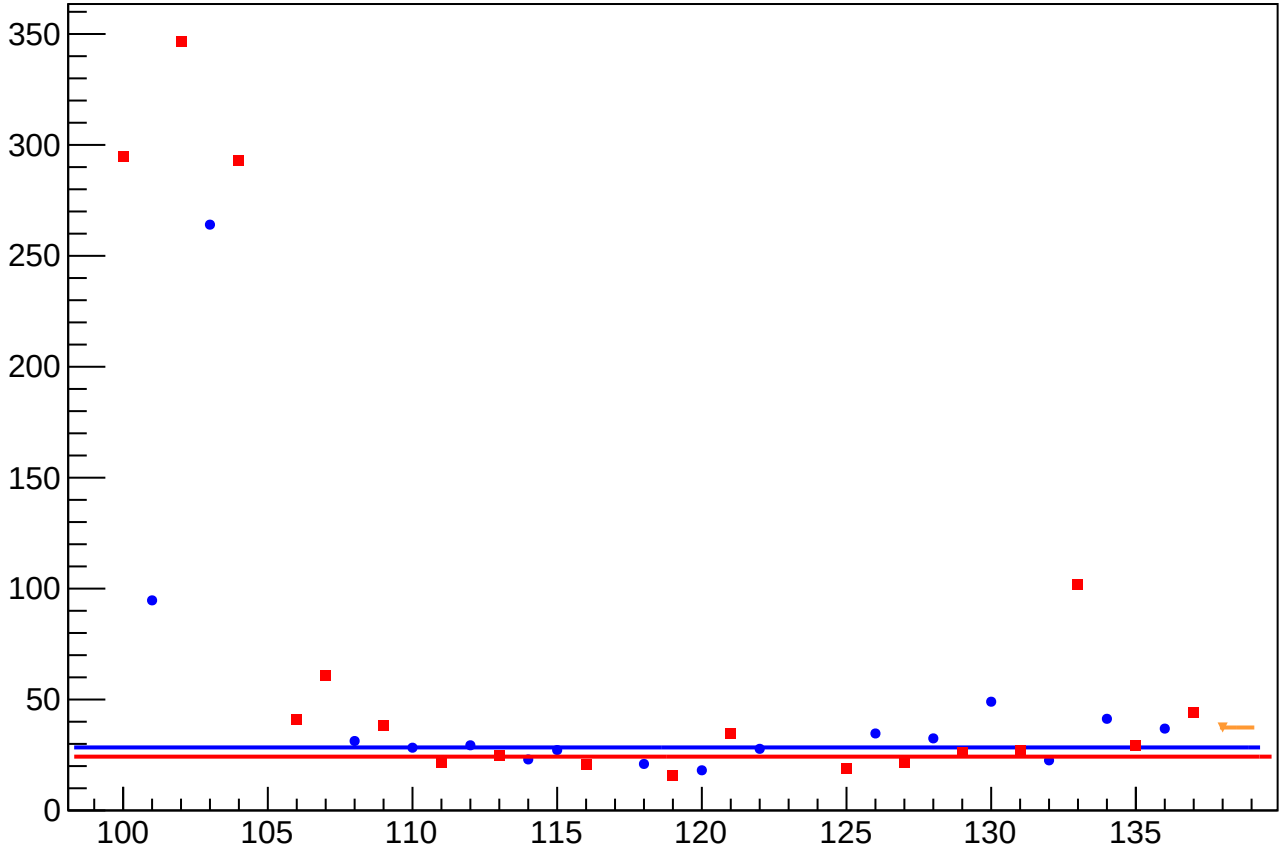
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.012 χ^2/NDF:11.9/15

Out: -0.003+/-0.011 χ^2/NDF:8.0/18

All: -0.009+/-0.008 χ^2/NDF: 20.4/34

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: 37.395+/-0.031 χ^2/NDF:0.0/0

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 37.395+/-0.031 χ^2/NDF: 0.0/0

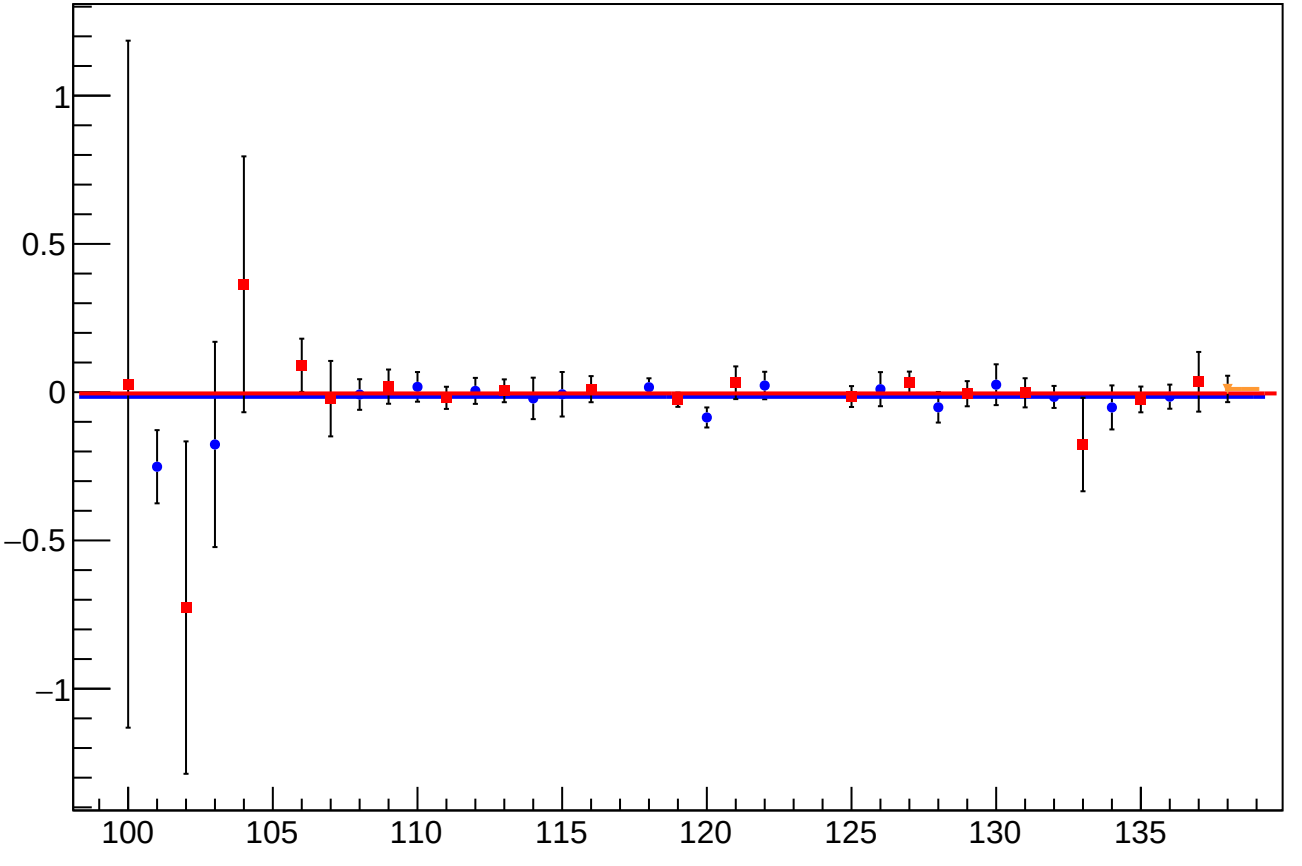
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 28.411+/-0.009 χ^2/NDF:2245642.8/15

Out: 25.070+/-0.008 χ^2/NDF:3077006.7/18

All: 26.565+/-0.006 χ^2/NDF: 5404092.0/34

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: 0.011+/-0.045 χ^2/NDF:0.0/0

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.011+/-0.045 χ^2/NDF: 0.0/0

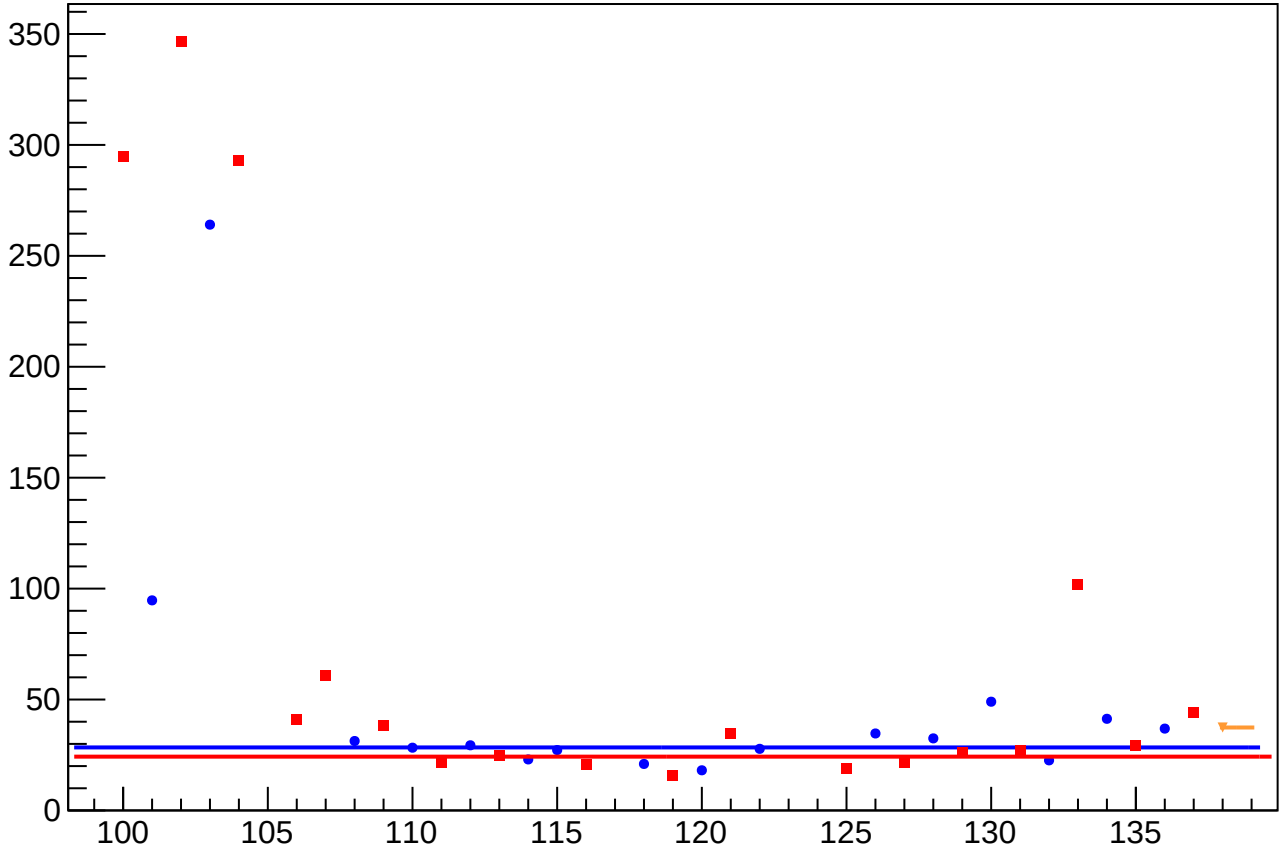
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.012 χ^2/NDF:11.9/15

Out: -0.003+/-0.011 χ^2/NDF:8.0/18

All: -0.009+/-0.008 χ^2/NDF: 20.4/34

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: 37.395+/-0.031 χ^2/NDF:0.0/0

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 37.395+/-0.031 χ^2/NDF: 0.0/0

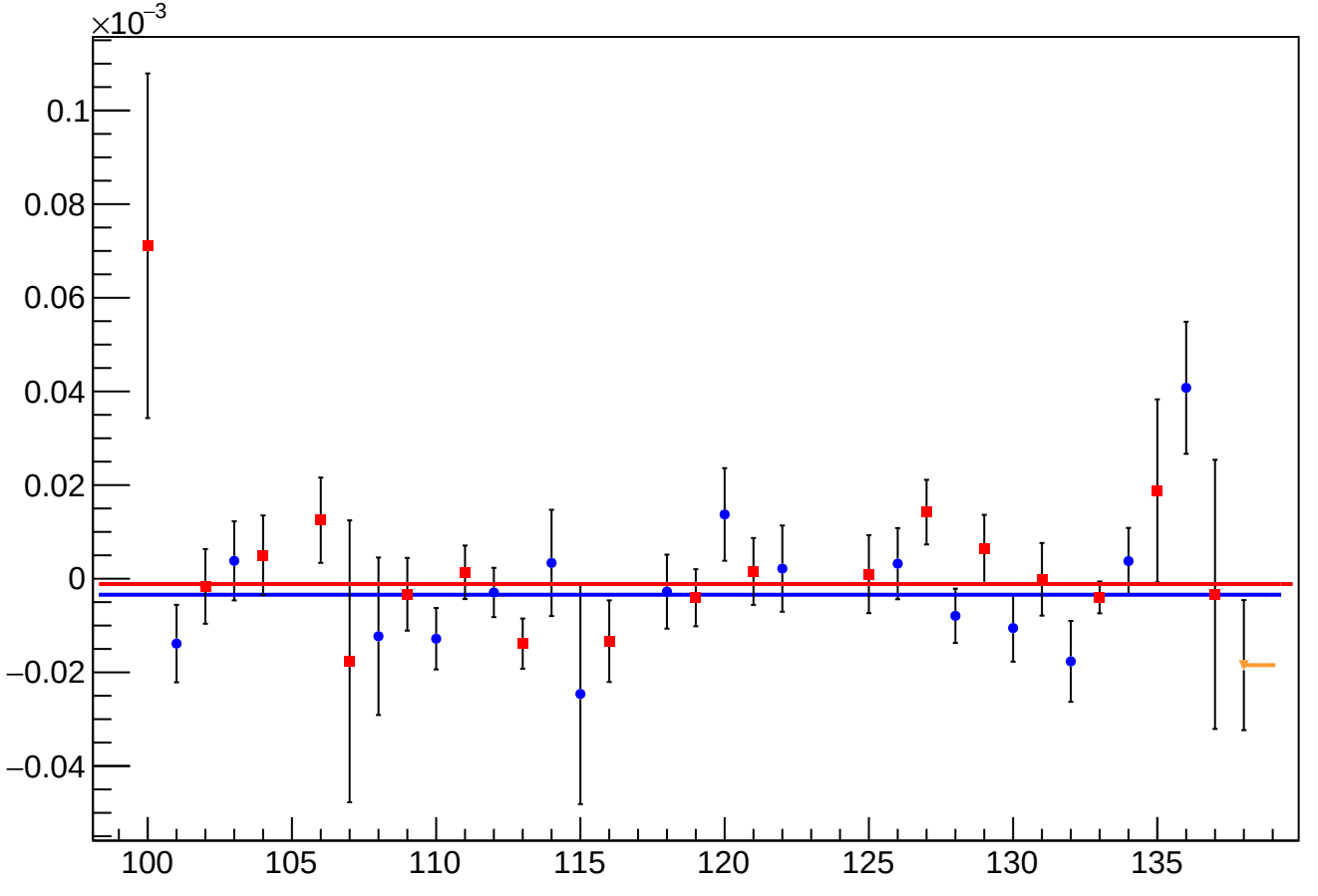
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 28.411+/-0.009 χ^2/NDF:2245642.8/15

Out: 25.070+/-0.008 χ^2/NDF:3077006.7/18

All: 26.565+/-0.006 χ^2/NDF: 5404092.0/34

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

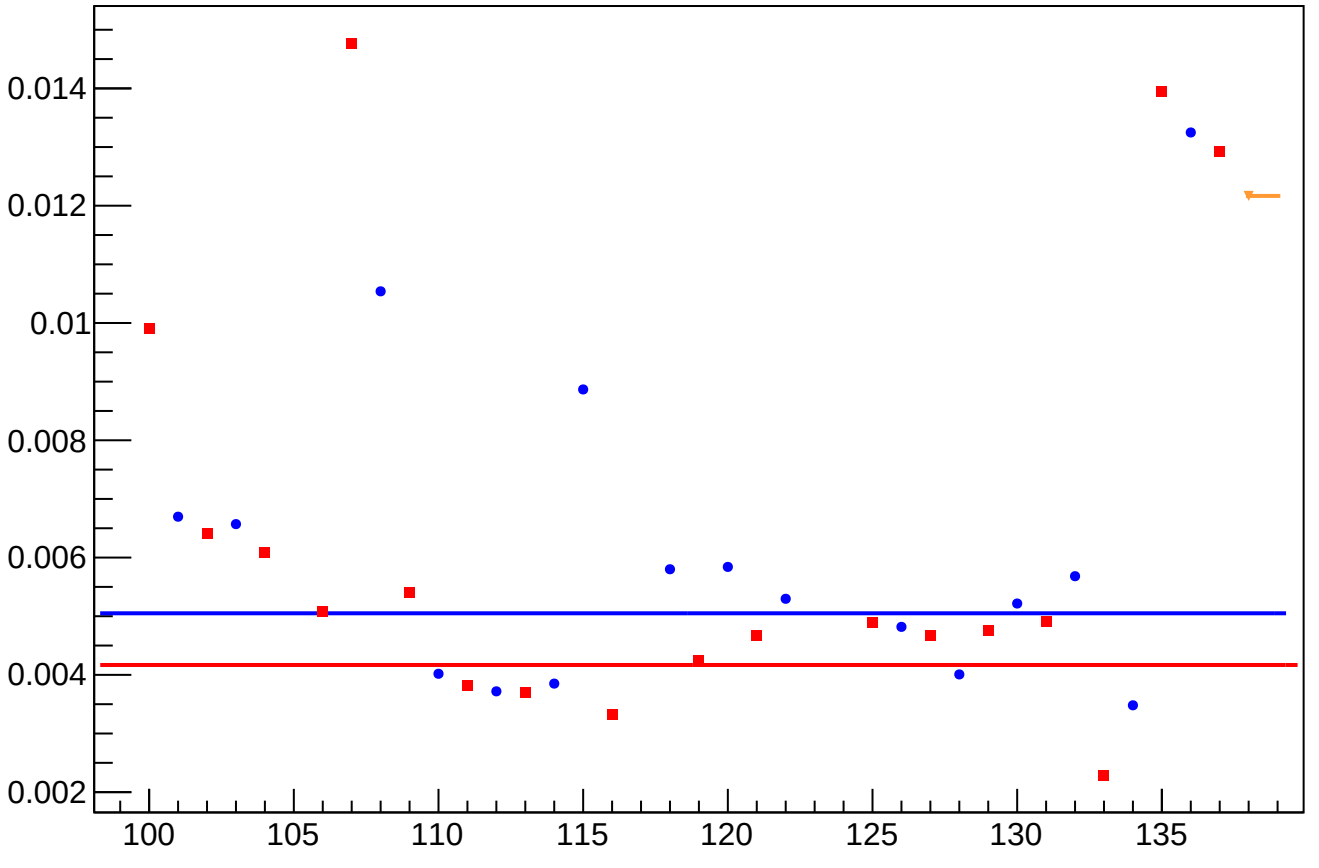
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:25.1/15

Out: -0.000+/-0.000 χ^2/NDF:24.5/18

All: -0.000+/-0.000 χ^2/NDF: 50.2/34



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.012+/-0.000 χ^2/NDF: 0.0/0

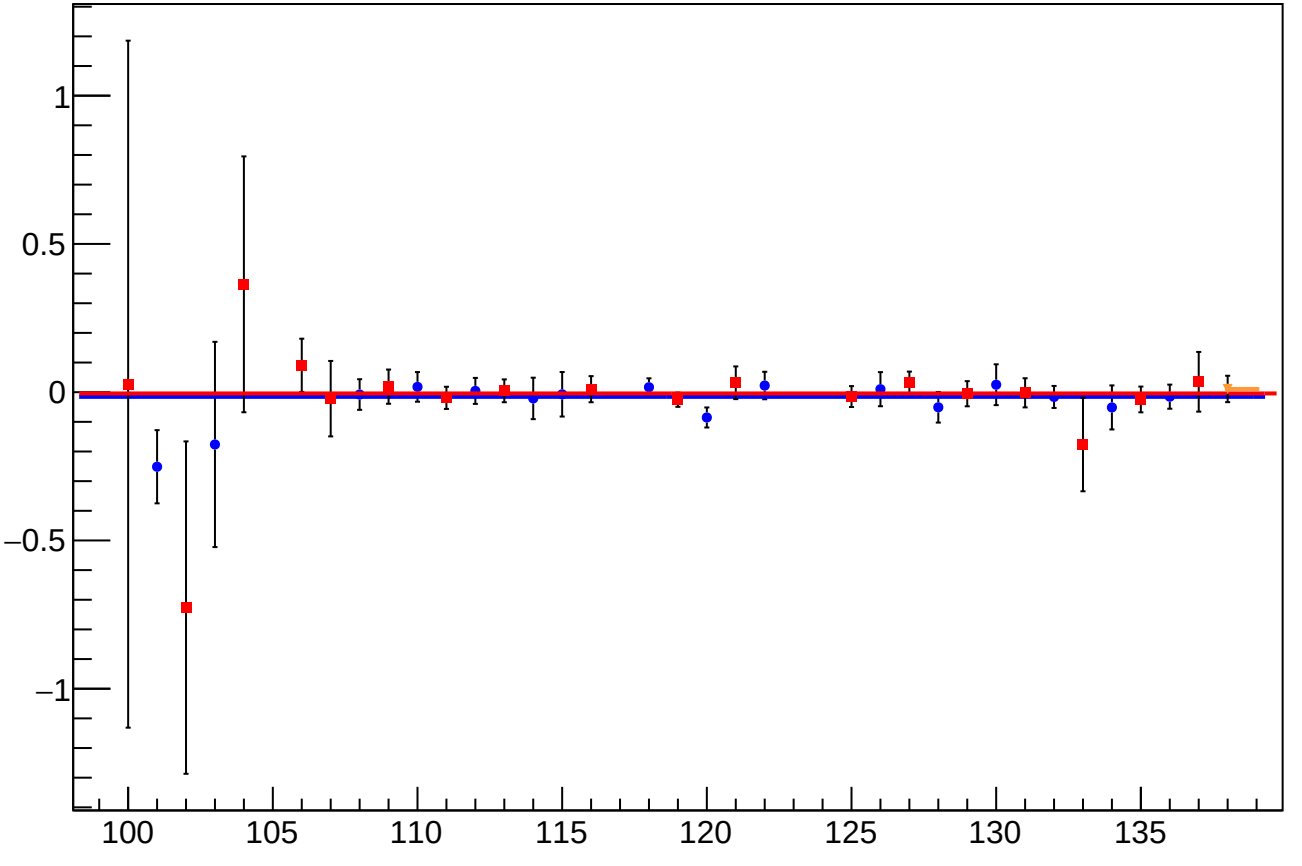
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:1494215.1/15

Out: 0.004+/-0.000 χ^2/NDF:2695675.5/18

All: 0.005+/-0.000 χ^2/NDF: 4357845.3/34

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.011+/-0.045 χ^2/NDF:0.0/0

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

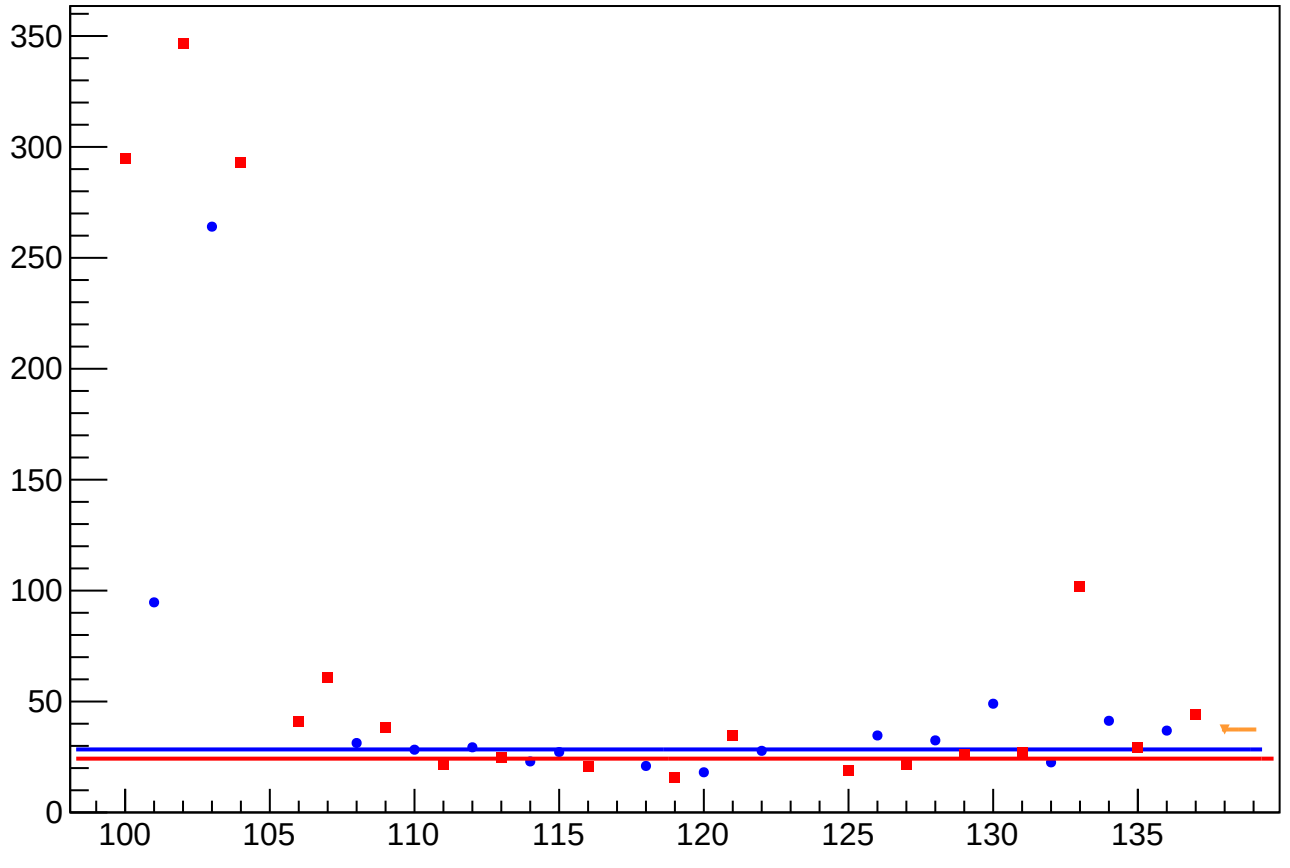
Left: 0.011+/-0.045 χ^2/NDF: 0.0/0

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.012 χ^2/NDF:11.9/15

Out: -0.003+/-0.011 χ^2/NDF:8.0/18

All: -0.009+/-0.008 χ^2/NDF: 20.4/34



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.395+/-0.031 χ^2/NDF:0.0/0

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 37.395+/-0.031 χ^2/NDF: 0.0/0

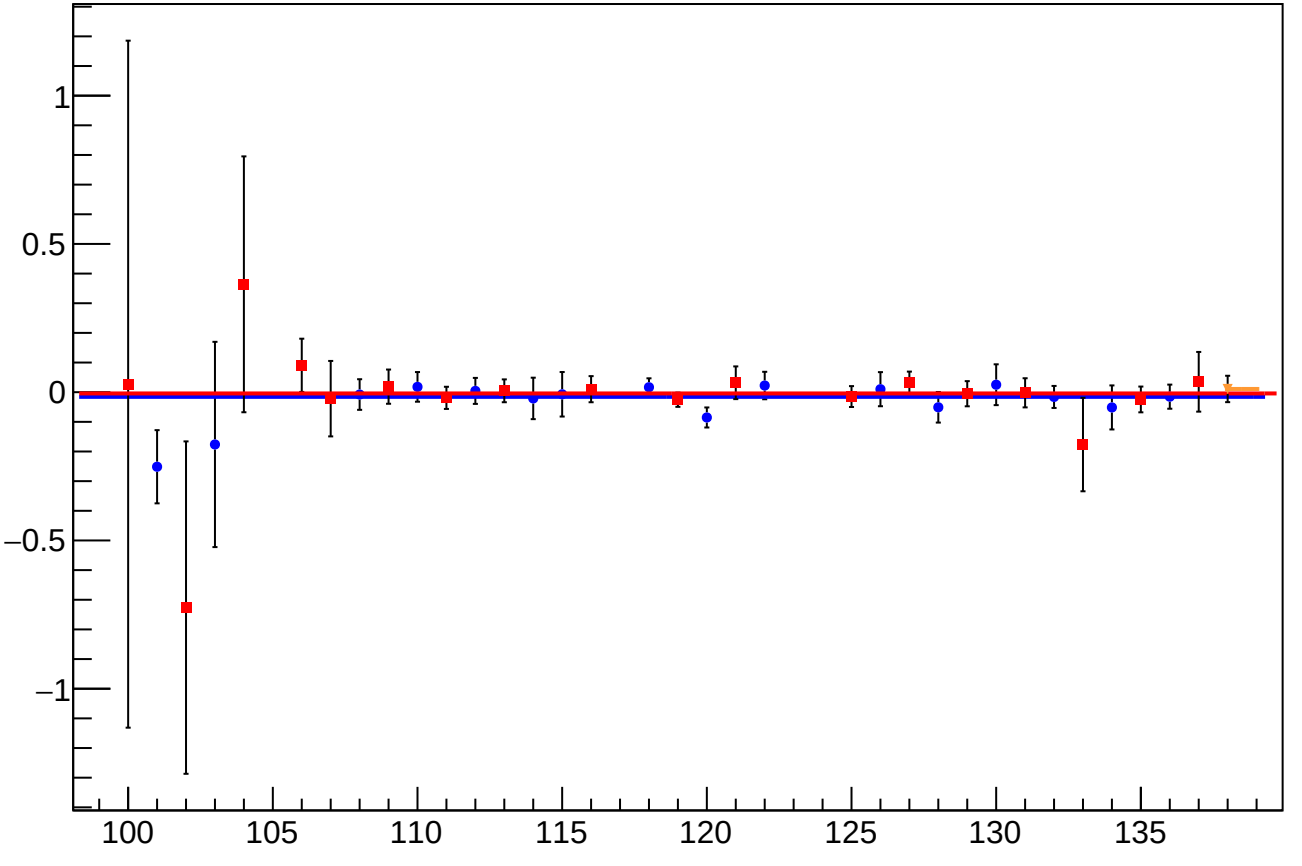
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 28.411+/-0.009 χ^2/NDF:2245663.3/15

Out: 25.068+/-0.008 χ^2/NDF:3077283.8/18

All: 26.564+/-0.006 χ^2/NDF: 5404467.3/34

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: 0.011+/-0.045 χ^2/NDF:0.0/0

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

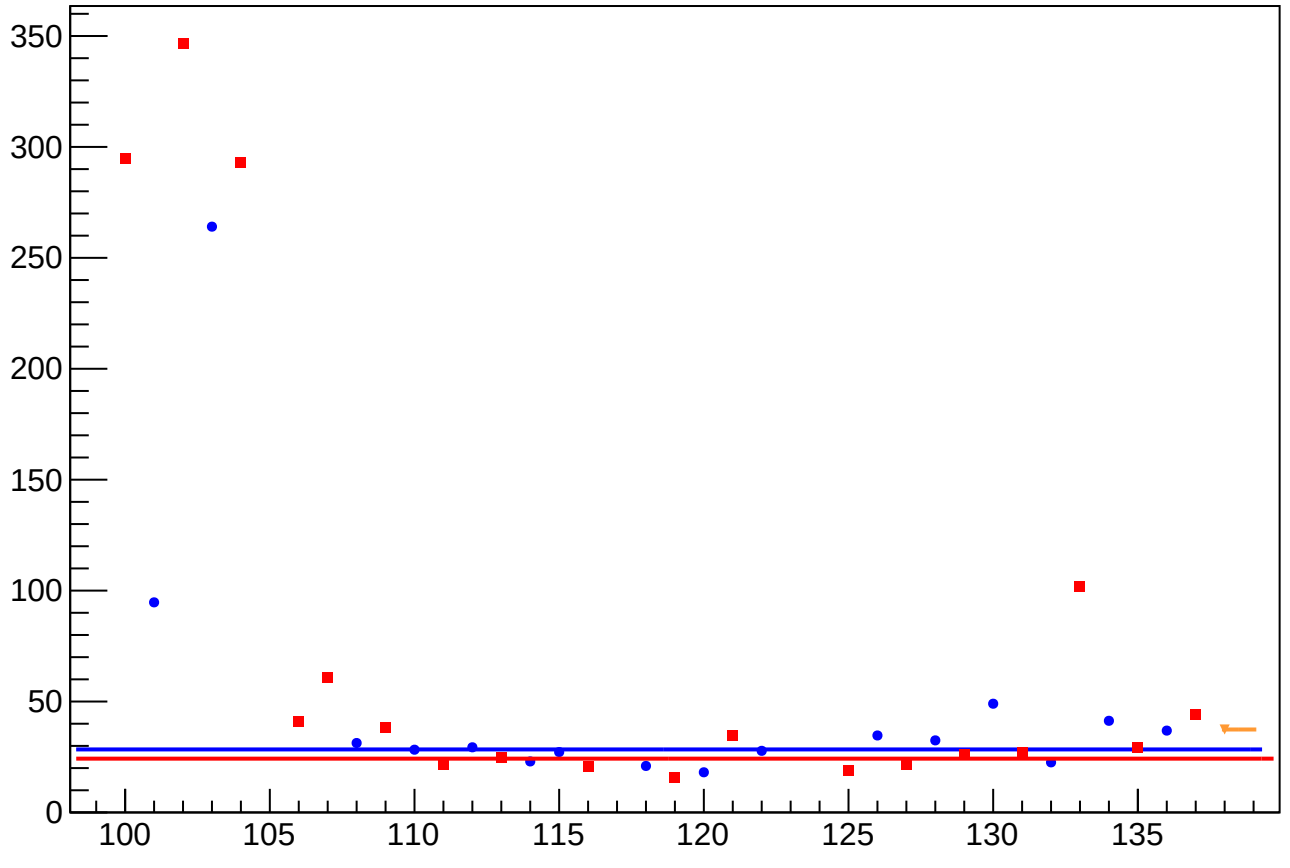
Left: 0.011+/-0.045 χ^2/NDF: 0.0/0

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.012 χ^2/NDF:11.9/15

Out: -0.003+/-0.011 χ^2/NDF:8.0/18

All: -0.009+/-0.008 χ^2/NDF: 20.4/34



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.395+/-0.031 χ^2/NDF:0.0/0

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 37.395+/-0.031 χ^2/NDF: 0.0/0

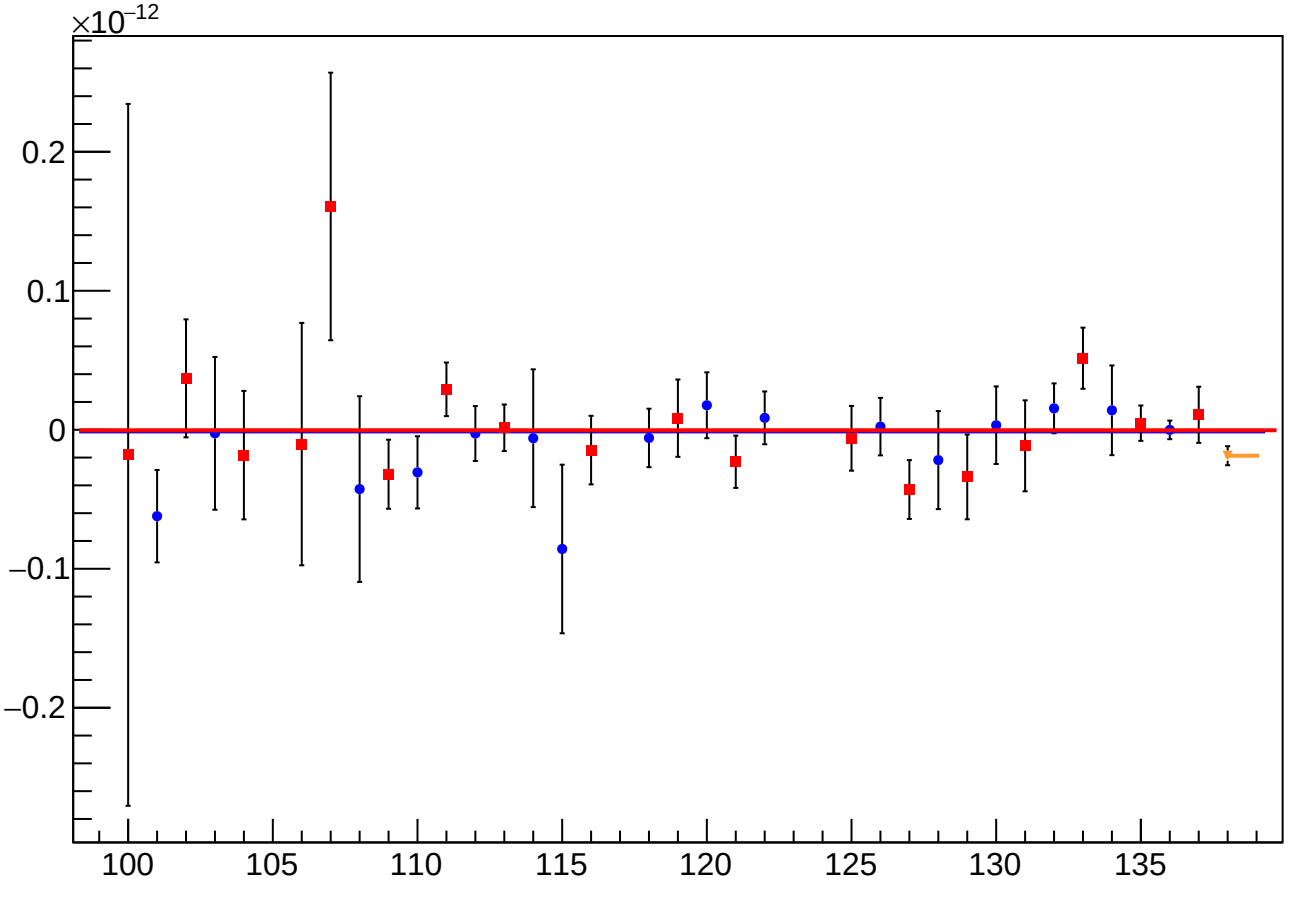
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 28.411+/-0.009 χ^2/NDF:2245663.3/15

Out: 25.068+/-0.008 χ^2/NDF:3077283.8/18

All: 26.564+/-0.006 χ^2/NDF: 5404467.3/34

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

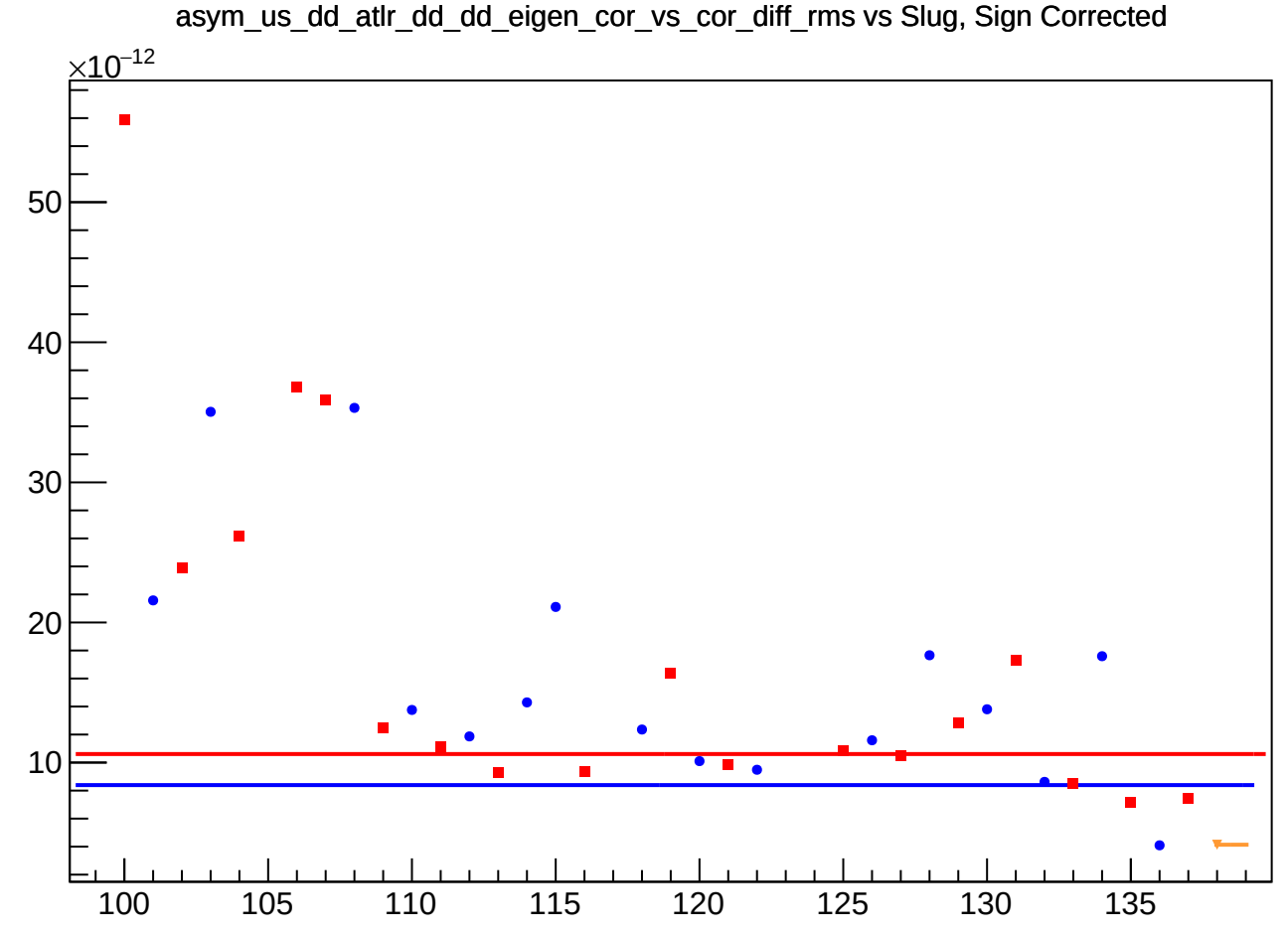
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:9.4/15

Out: -0.000+/-0.000 χ^2/NDF:25.3/18

All: -0.000+/-0.000 χ^2/NDF: 35.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

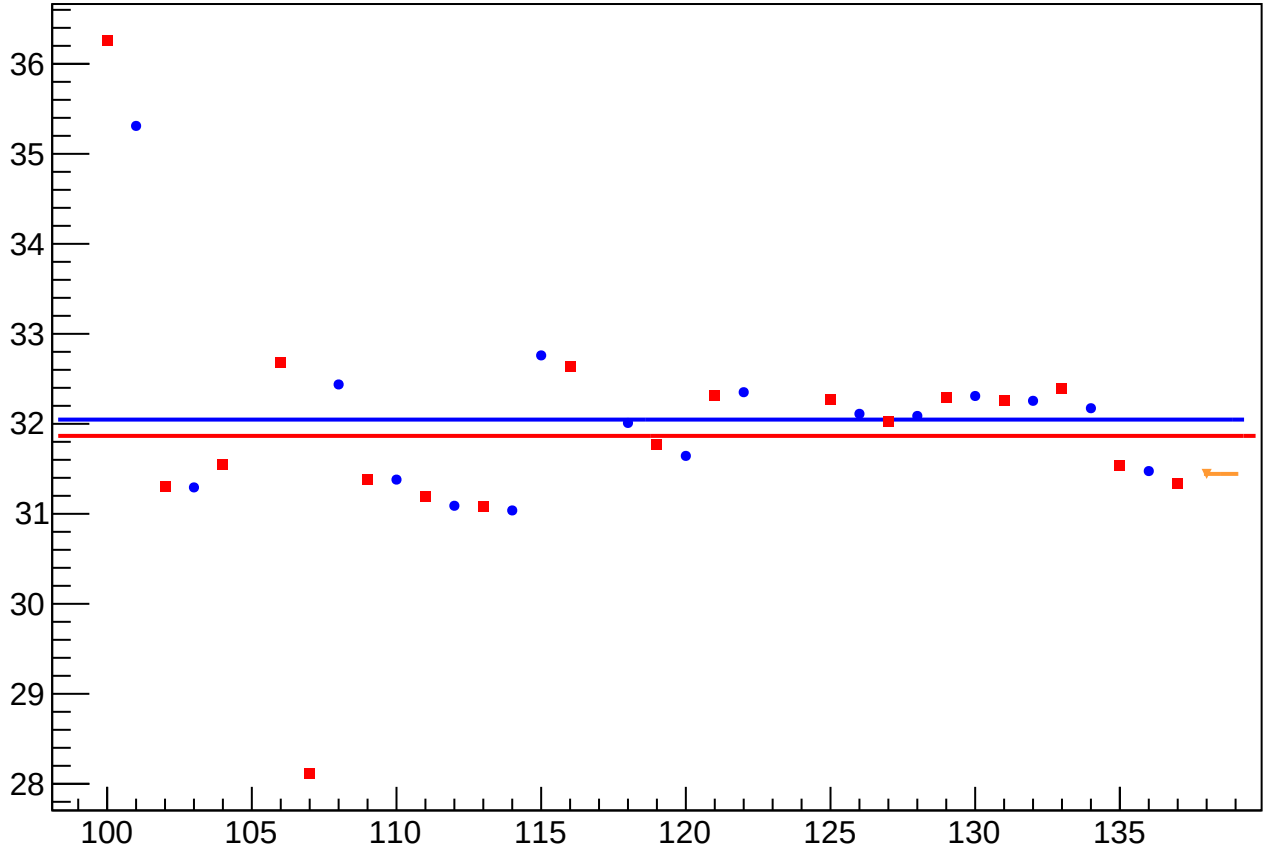
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:2710106.3/15

Out: 0.000+/-0.000 χ^2/NDF:2303509.6/18

All: 0.000+/-0.000 χ^2/NDF: 5020826.7/34

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.444+/-0.000 χ^2/NDF:0.0/0

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

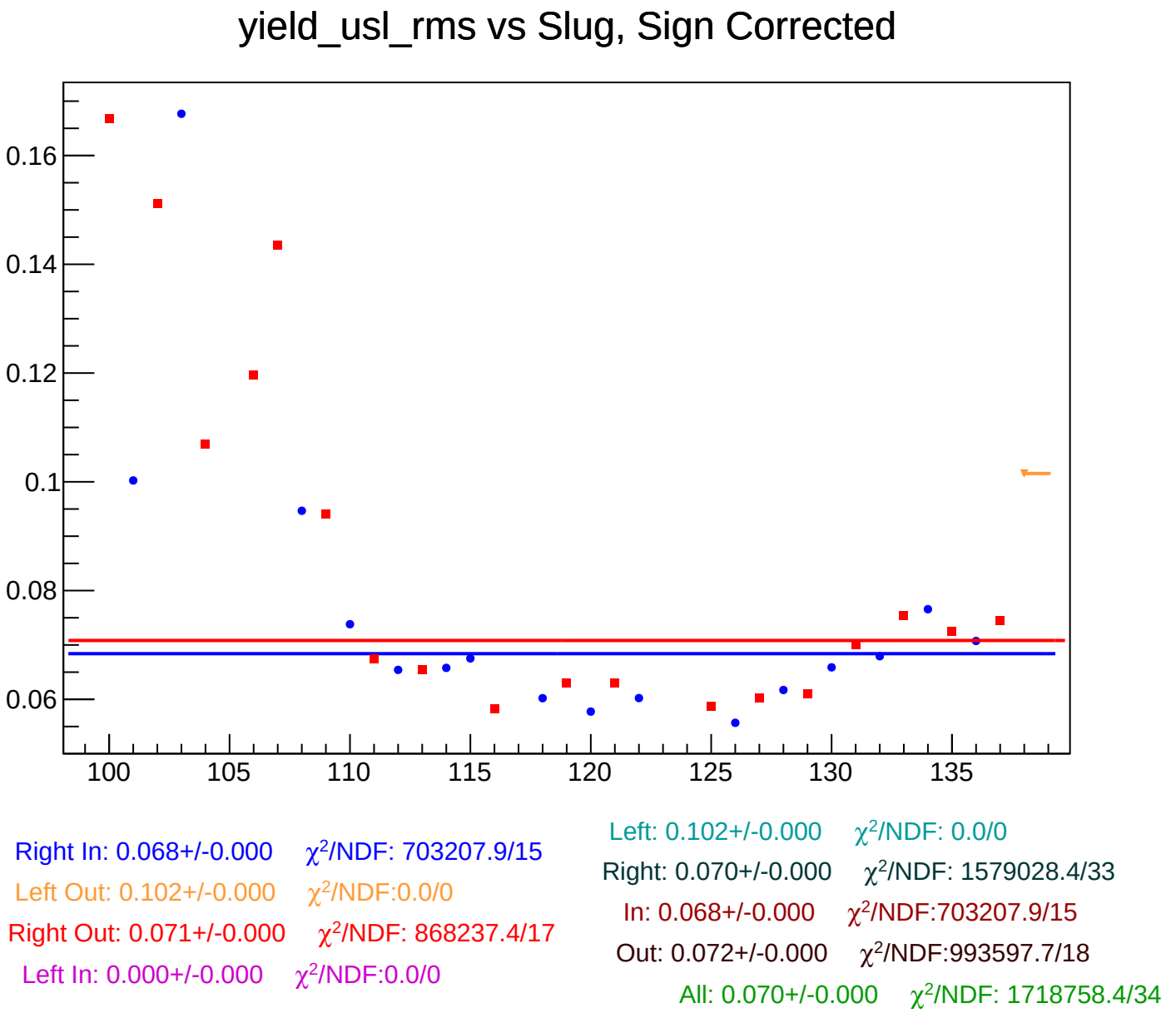
Left: 31.444+/-0.000 χ^2/NDF: 0.0/0

Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

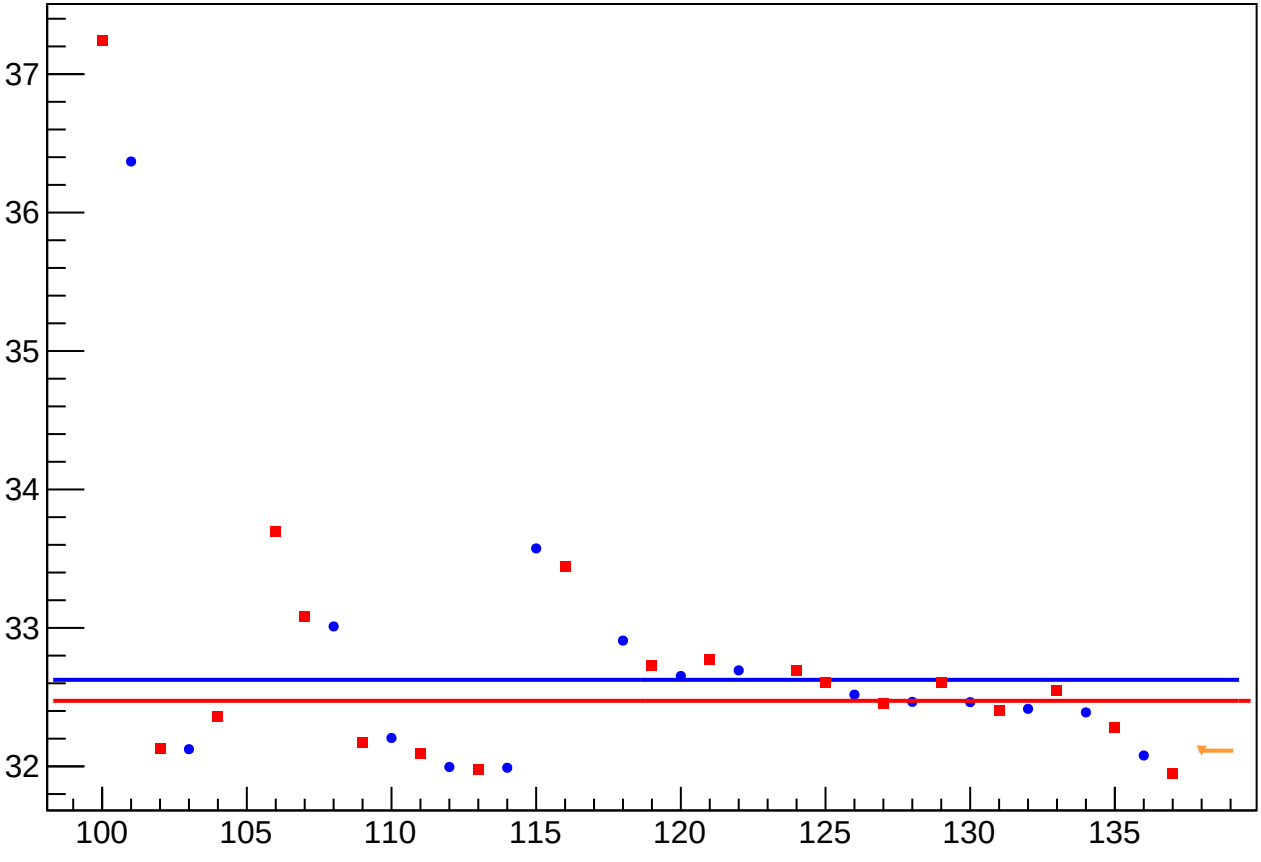
In: 32.047+/-0.000 χ^2/NDF:898593424.6/15

Out: 31.843+/-0.000 χ^2/NDF:497798960.1/18

All: 31.946+/-0.000 χ^2/NDF: 1423890658.4/3


yield_usl_rms vs Slug, Sign Corrected
0.16
0.14
0.12
0.1
0.08
0.06
100
105
110
115
120
125
130
135
Right In: 0.068+/-0.000 χ²/NDF: 703207.9/15
Left Out: 0.102+/-0.000 χ²/NDF:0.0/0
Right Out: 0.071+/-0.000 χ²/NDF: 868237.4/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.102+/-0.000 χ²/NDF: 0.0/0
Right: 0.070+/-0.000 χ²/NDF: 1579028.4/33
In: 0.068+/-0.000 χ²/NDF:703207.9/15
Out: 0.072+/-0.000 χ²/NDF:993597.7/18
All: 0.070+/-0.000 χ²/NDF: 1718758.4/34

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.113+/-0.000 χ^2/NDF:0.0/0

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

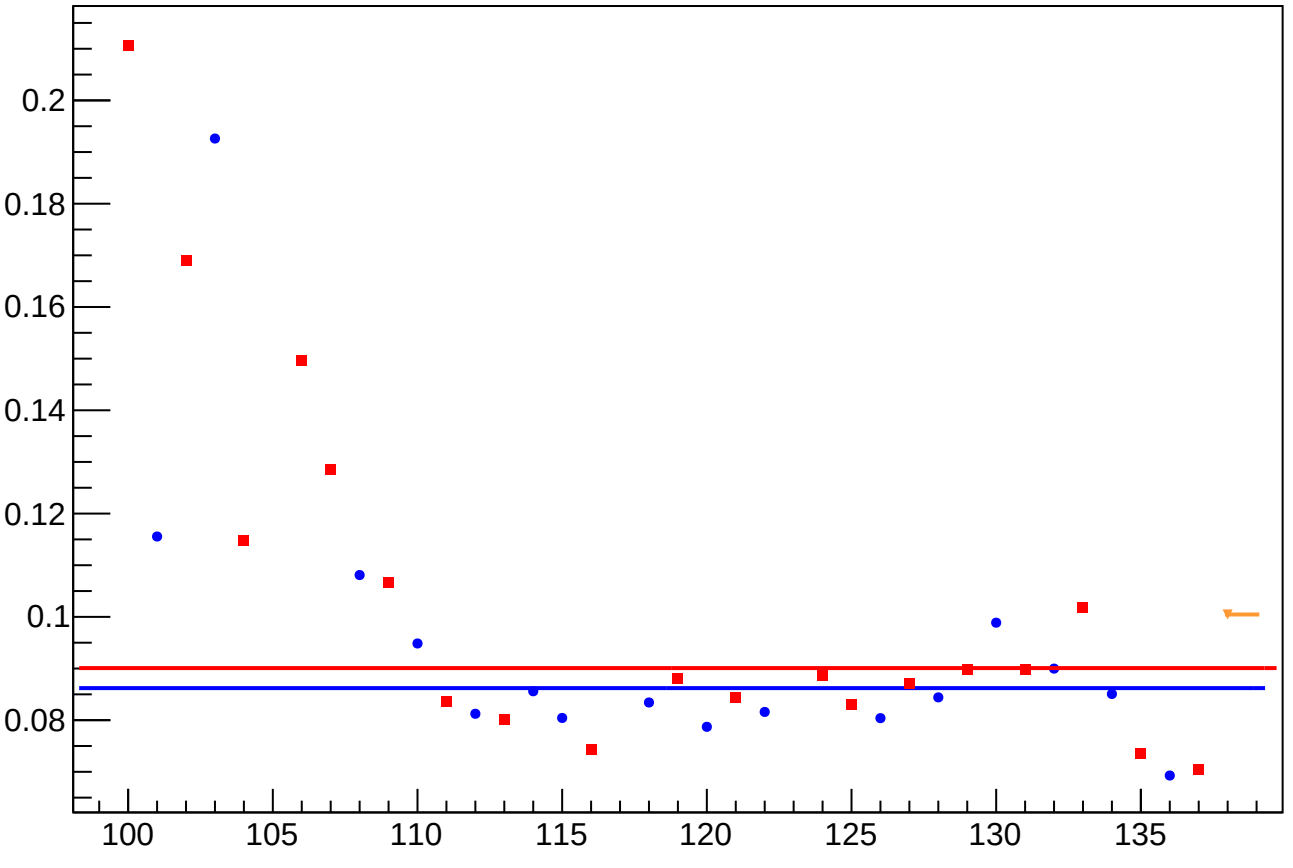
Left: 32.113+/-0.000 χ^2/NDF: 0.0/0

Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.625+/-0.000 χ^2/NDF:739141163.5/15

Out: 32.444+/-0.000 χ^2/NDF:165237036.3/19

All: 32.533+/-0.000 χ^2/NDF: 918370517.8/35



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.100+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.100+/-0.000 χ^2/NDF: 0.0/0

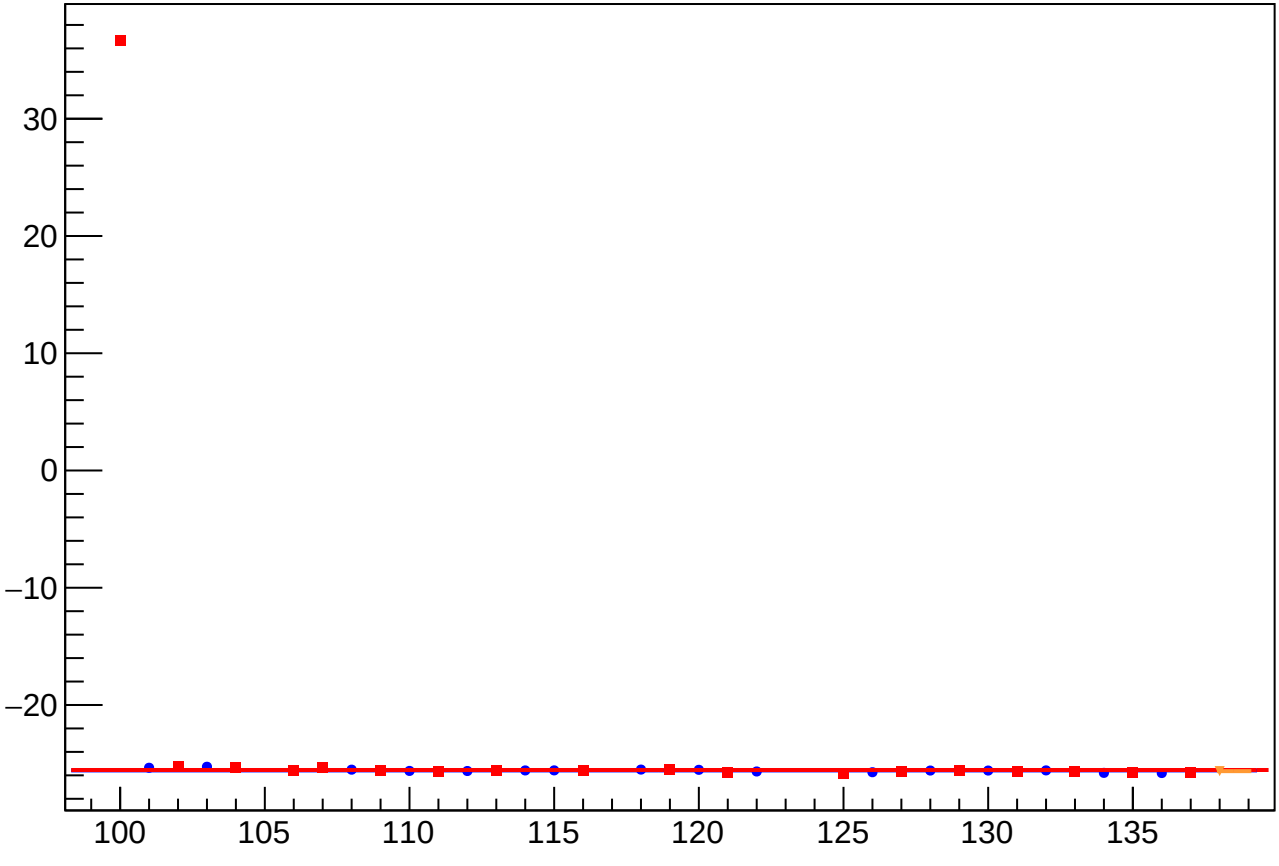
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.086+/-0.000 χ^2/NDF:598718.4/15

Out: 0.091+/-0.000 χ^2/NDF:635853.1/19

All: 0.089+/-0.000 χ^2/NDF: 1253672.8/35

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.642+/-0.000 χ^2/NDF:0.0/0

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -25.642+/-0.000 χ^2/NDF: 0.0/0

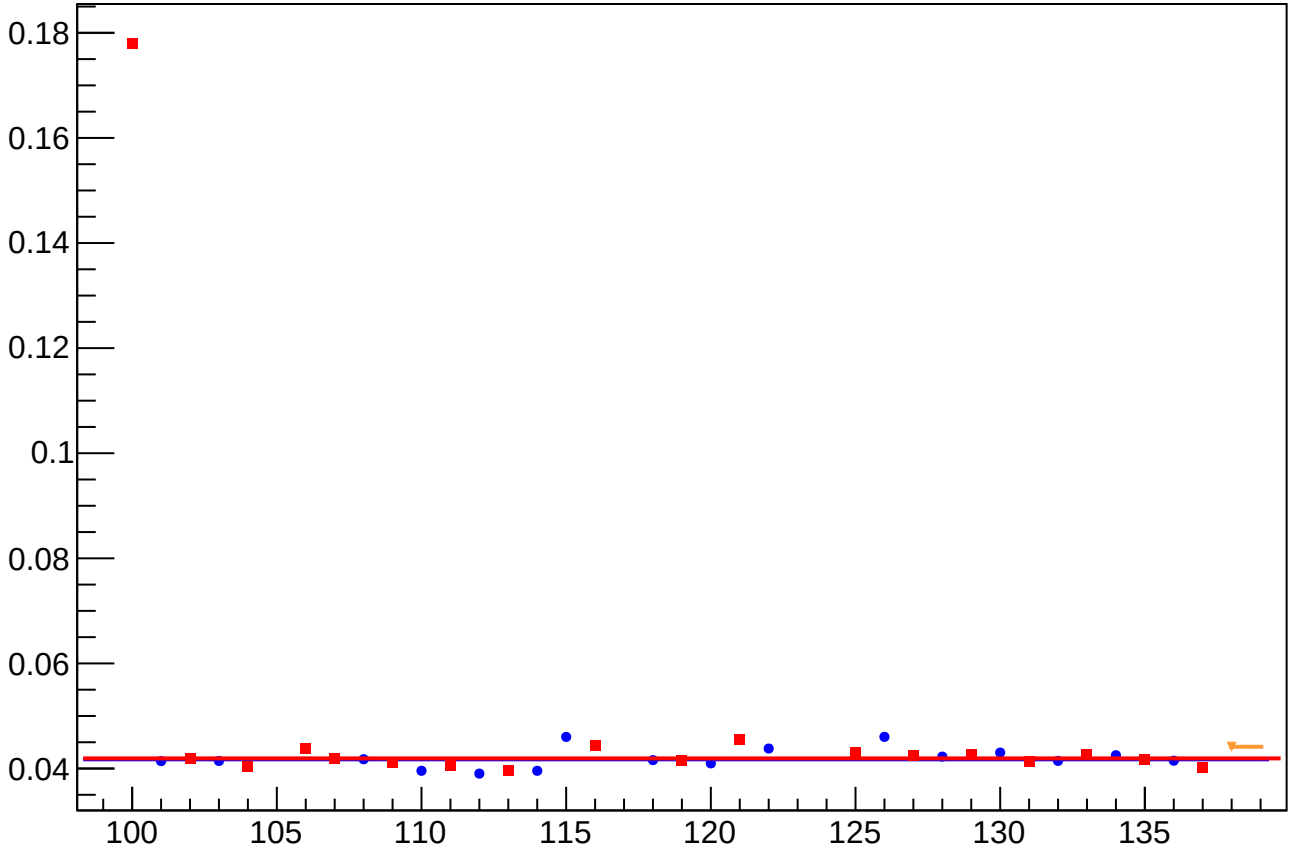
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.579+/-0.000 χ^2/NDF:98389255.1/15

Out: -25.552+/-0.000 χ^2/NDF:8910987499.0/18

All: -25.565+/-0.000 χ^2/NDF: 9010905776.7/

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:0.0/0

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.044+/-0.000 χ^2/NDF: 0.0/0

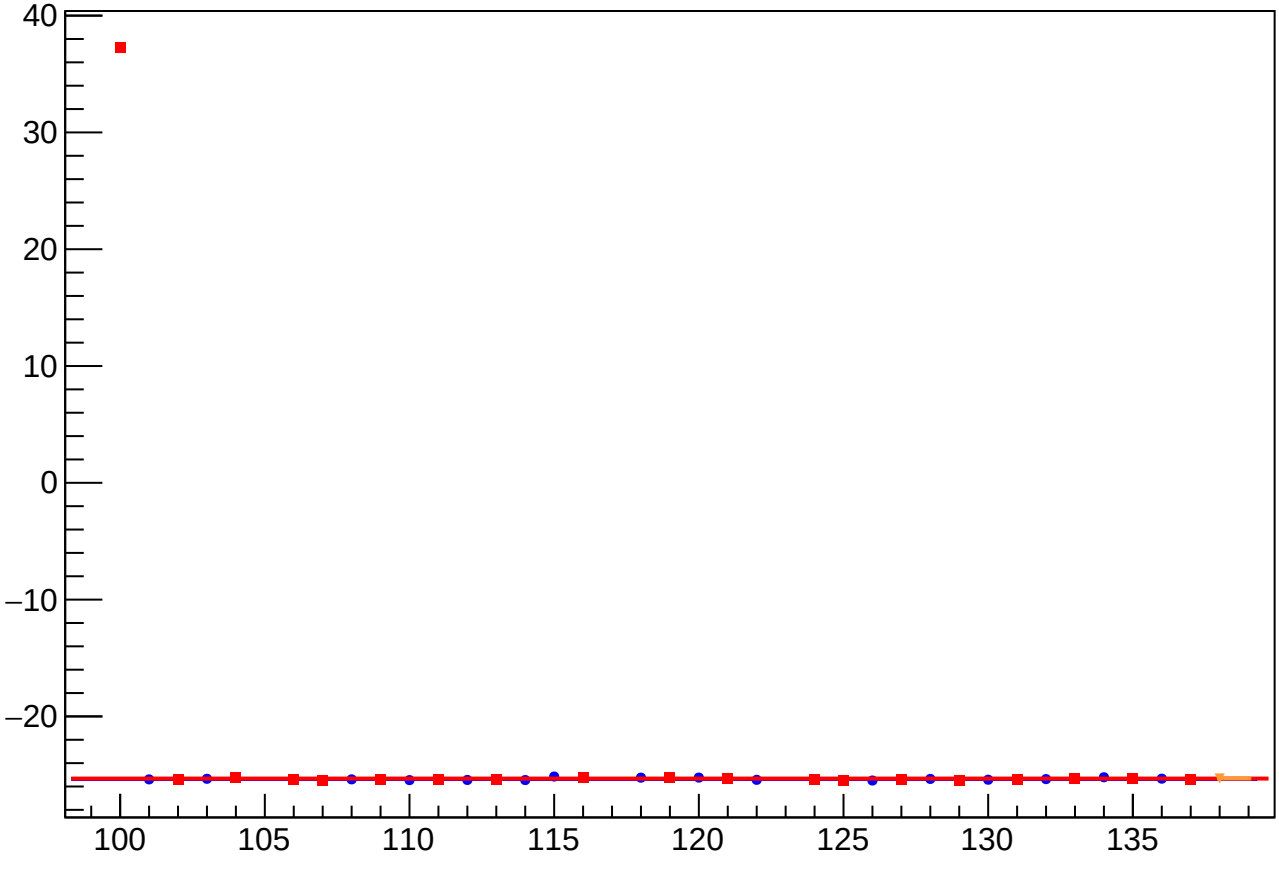
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:20733.3/15

Out: 0.042+/-0.000 χ^2/NDF:103666.0/18

All: 0.042+/-0.000 χ^2/NDF: 124999.9/34

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.311+/-0.000 χ^2/NDF:0.0/0

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -25.311+/-0.000 χ^2/NDF: 0.0/0

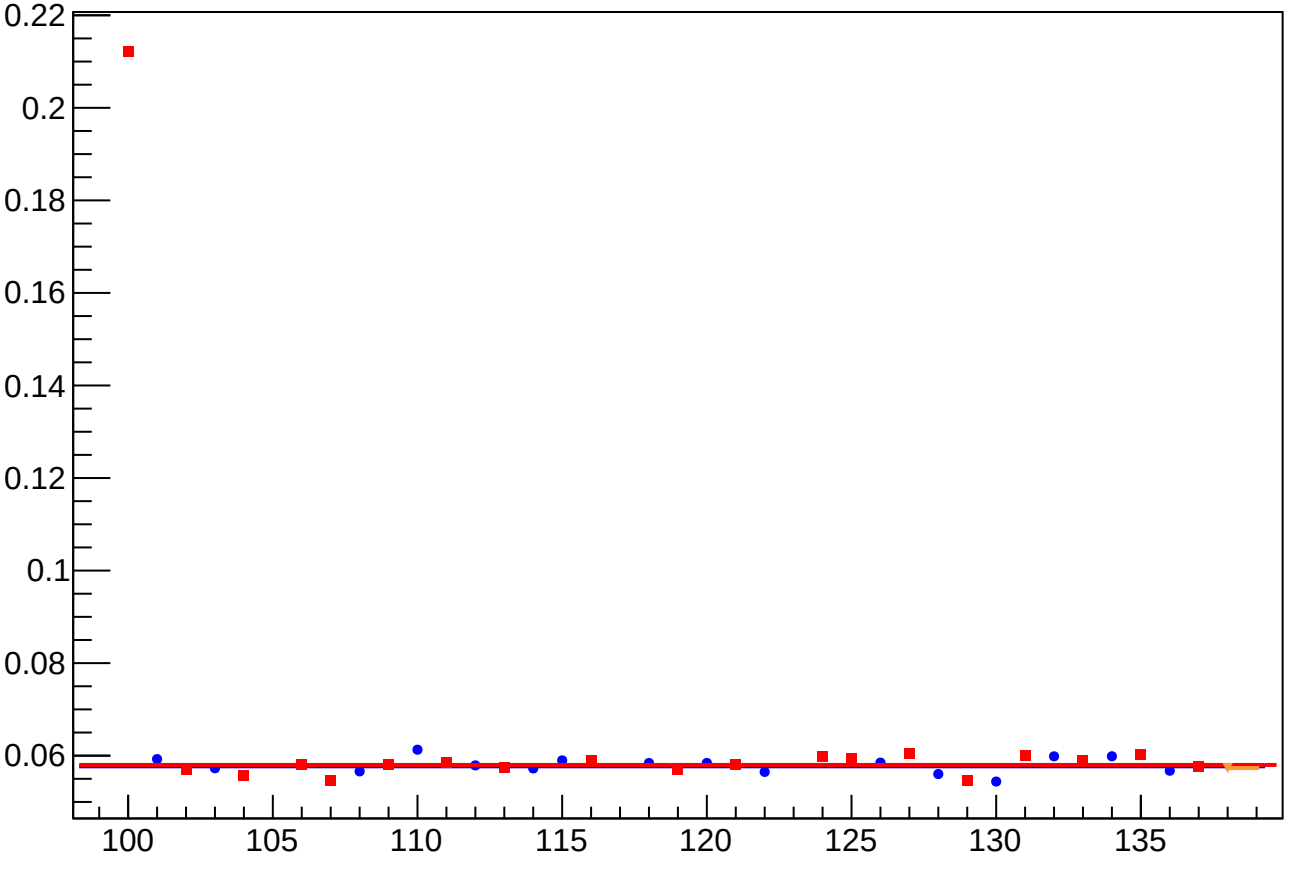
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.360+/-0.000 χ^2/NDF:13284405.9/15

Out: -25.321+/-0.000 χ^2/NDF:6314934309.4/19

All: -25.339+/-0.000 χ^2/NDF: 6329938104.2/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.057+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

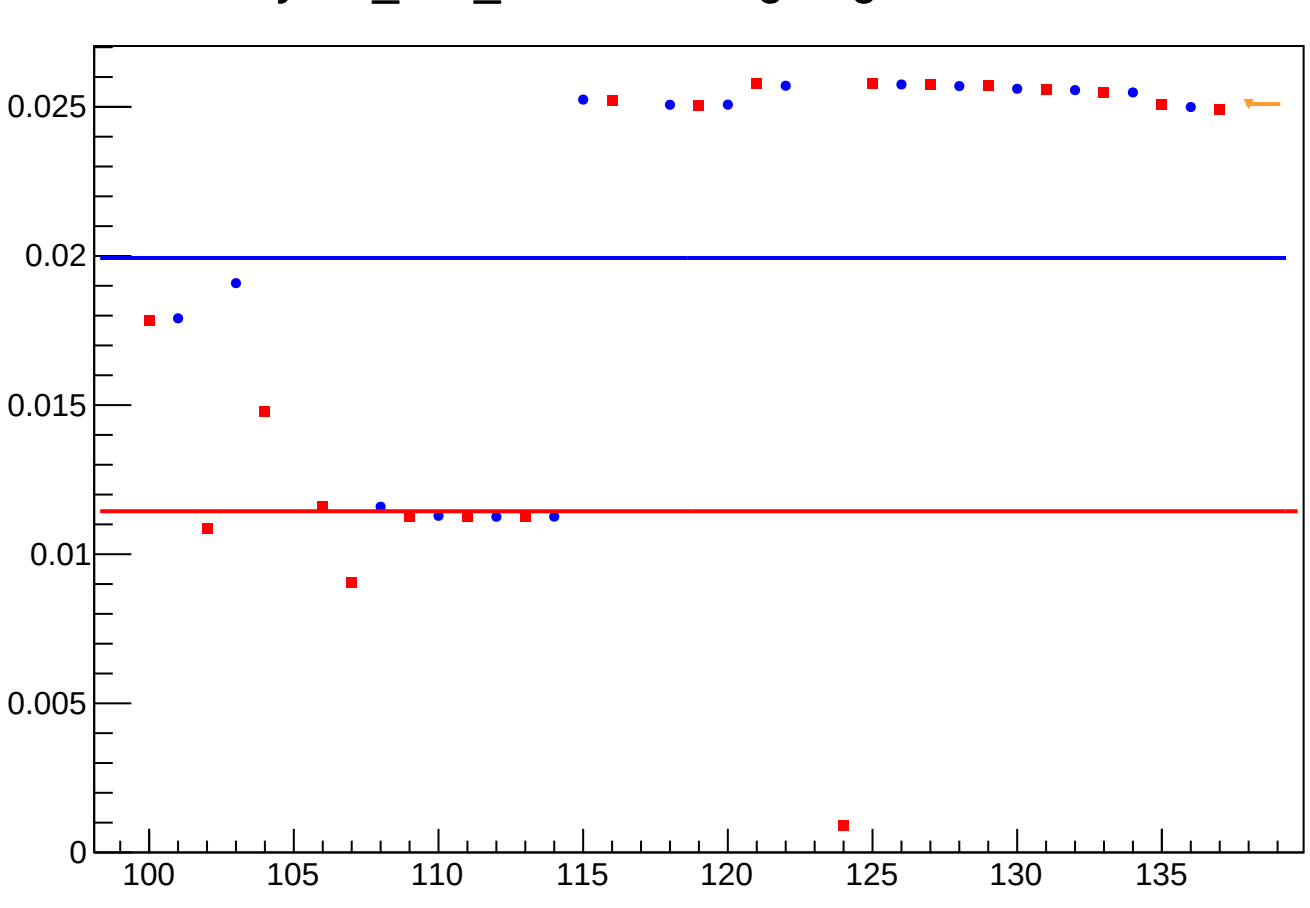
Left: 0.057+/-0.000 χ^2/NDF: 0.0/0

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.058+/-0.000 χ^2/NDF:11763.6/15

Out: 0.058+/-0.000 χ^2/NDF:88871.4/19

All: 0.058+/-0.000 χ^2/NDF: 100754.5/35



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.025+/-0.000 χ^2/NDF: 0.0/0

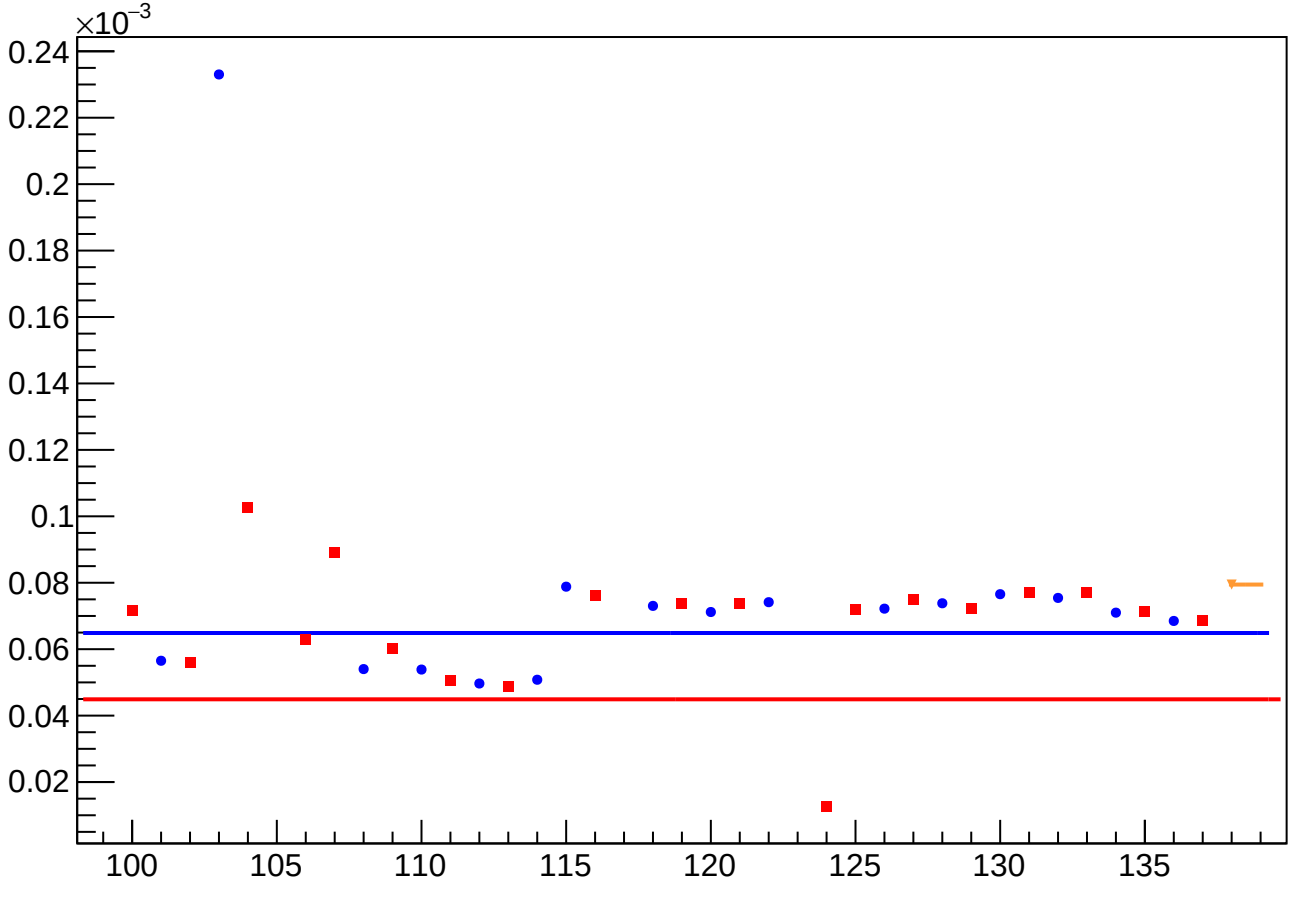
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.020+/-0.000 χ^2/NDF:62465154056.0/15

Out: 0.012+/-0.000 χ^2/NDF:275404663727.4/19

All: 0.015+/-0.000 χ^2/NDF: 398513166941.8

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:0.0/0

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: 0.0/0

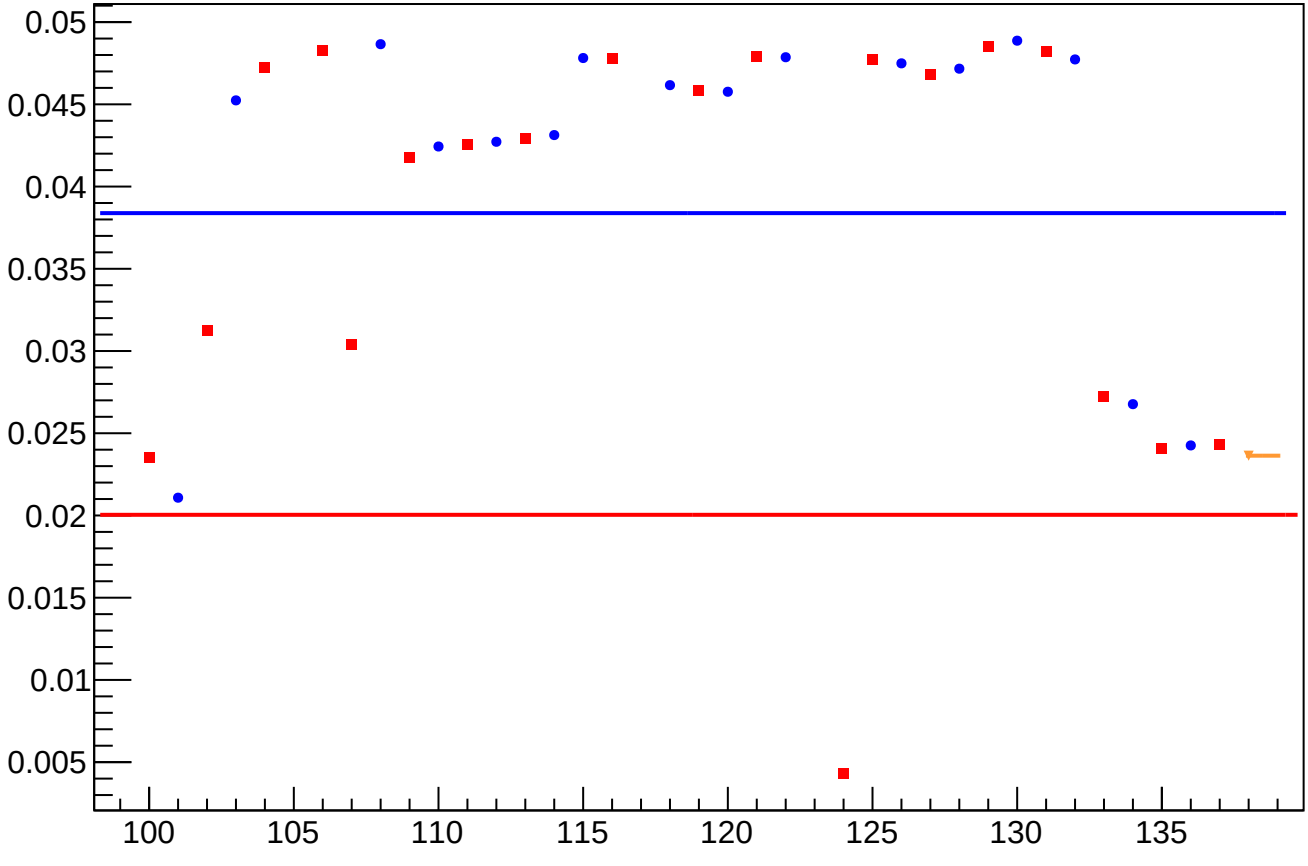
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:816892.1/15

Out: 0.000+/-0.000 χ^2/NDF:4046181.0/19

All: 0.000+/-0.000 χ^2/NDF: 5525355.7/35

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.024+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

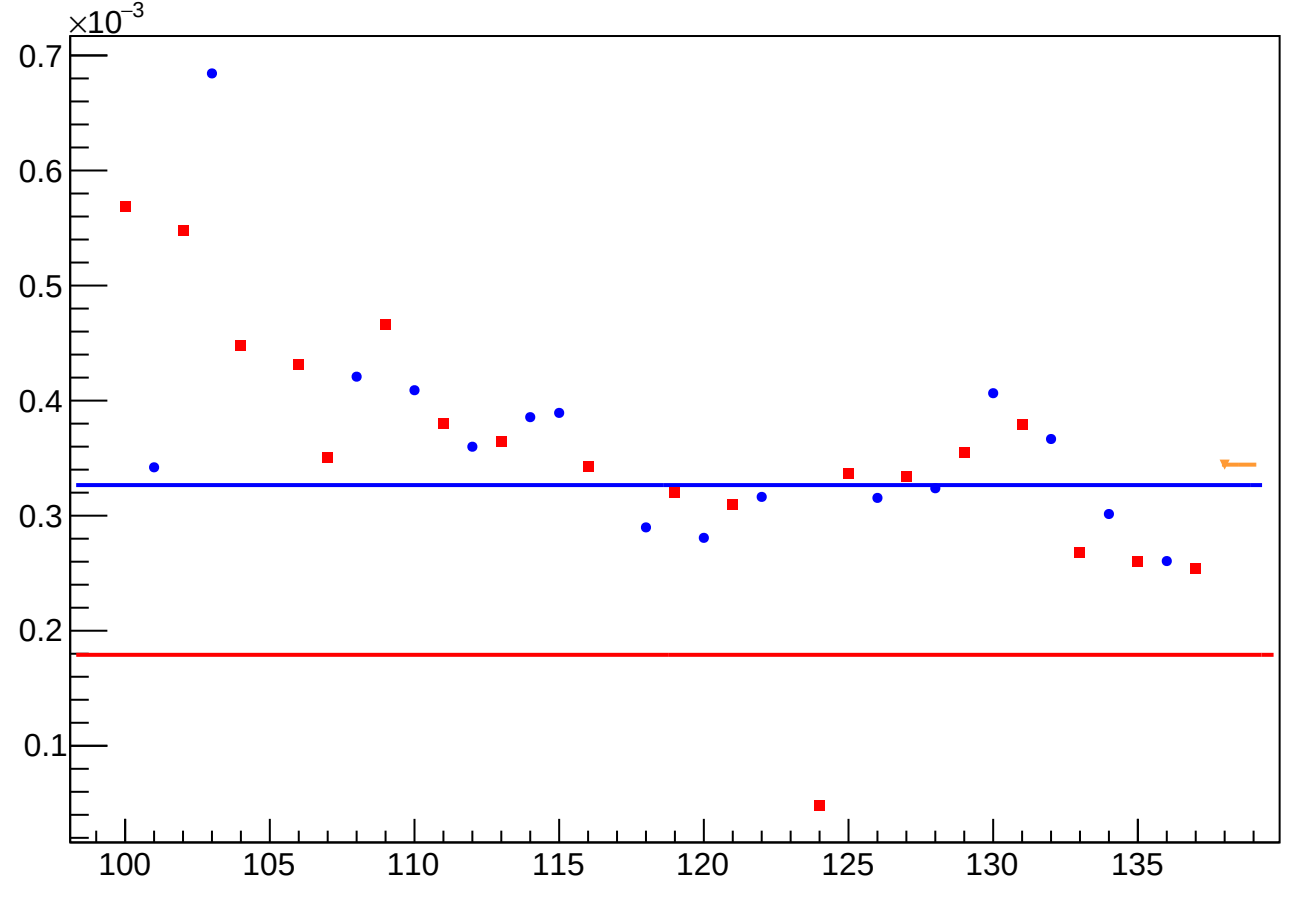
Left: 0.024+/-0.000 χ^2/NDF: 0.0/0

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.038+/-0.000 χ^2/NDF:7078619233.3/15

Out: 0.020+/-0.000 χ^2/NDF:42256926270.8/19

All: 0.026+/-0.000 χ^2/NDF: 62712769079.2/3



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

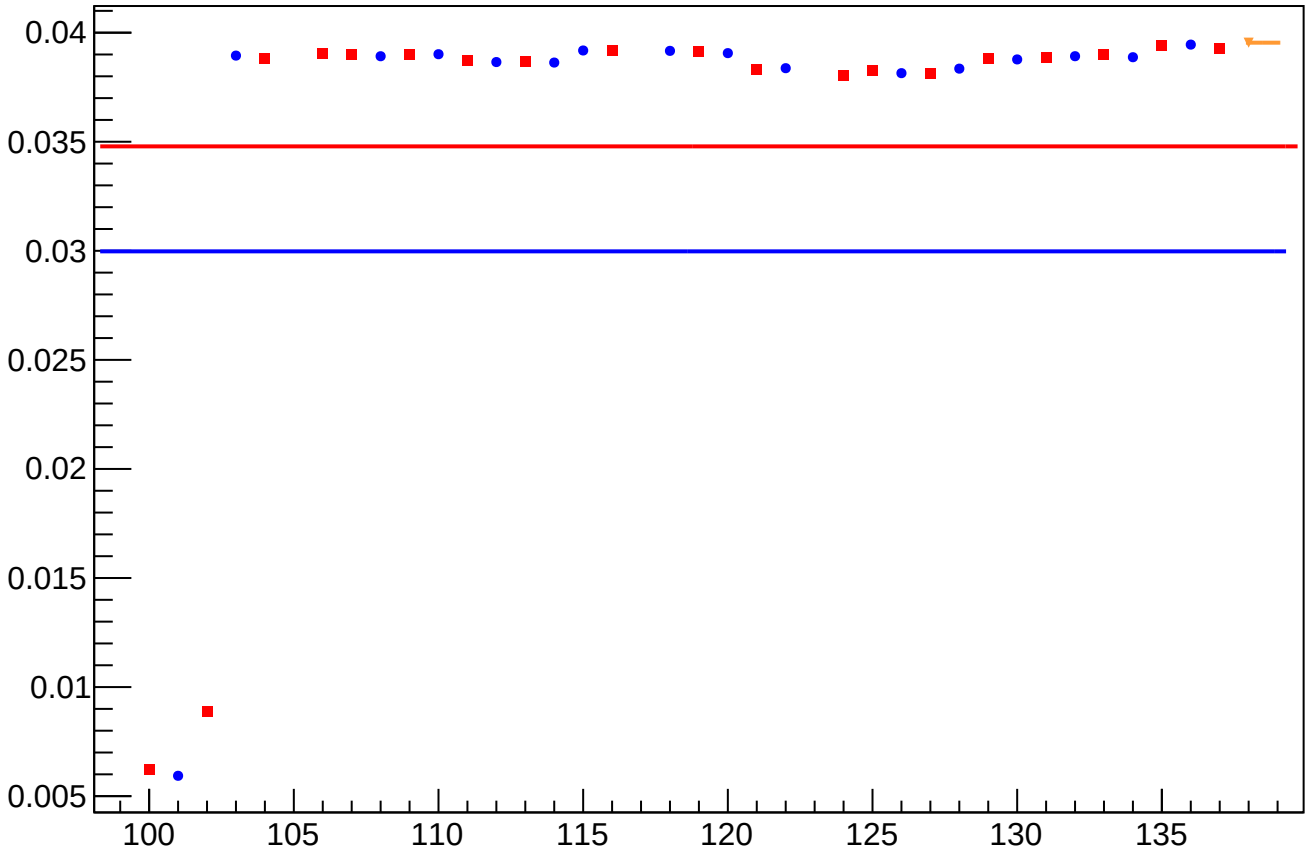
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:581428.2/15

Out: 0.000+/-0.000 χ^2/NDF:5964679.6/19

All: 0.000+/-0.000 χ^2/NDF: 8132451.1/35



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

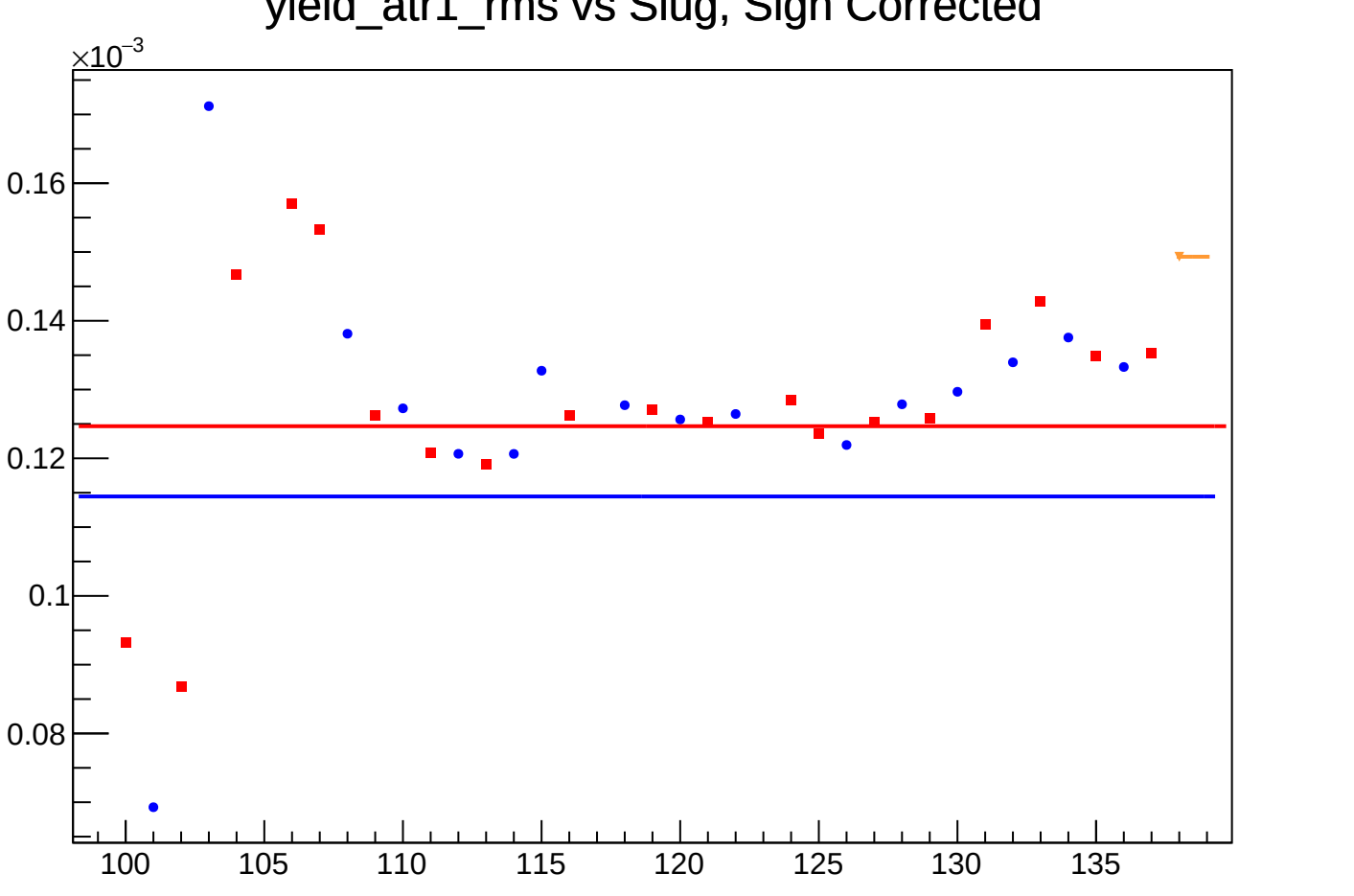
Left: 0.040+/-0.000 χ^2/NDF: 0.0/0

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

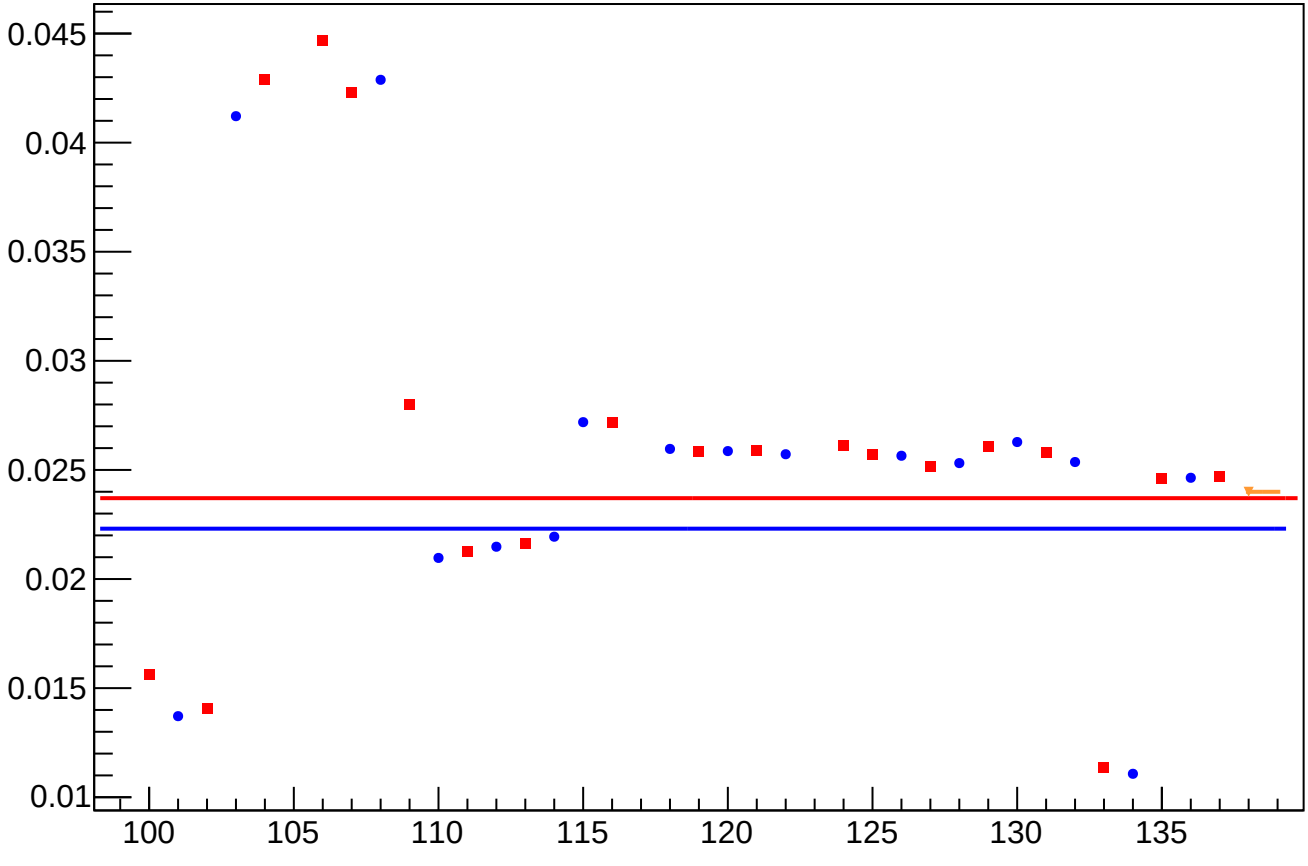
In: 0.030+/-0.000 χ^2/NDF:108275706275.7/15

Out: 0.035+/-0.000 χ^2/NDF:47976333748.9/19

All: 0.032+/-0.000 χ^2/NDF: 162791028469.4


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
Right In: 0.000+/-0.000 χ²/NDF: 853142.5/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
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: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 1163063.5/34
In: 0.000+/-0.000 χ²/NDF:853142.5/15
Out: 0.000+/-0.000 χ²/NDF:298691.8/19
All: 0.000+/-0.000 χ²/NDF: 1222349.4/35

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:0.0/0

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.024+/-0.000 χ^2/NDF: 0.0/0

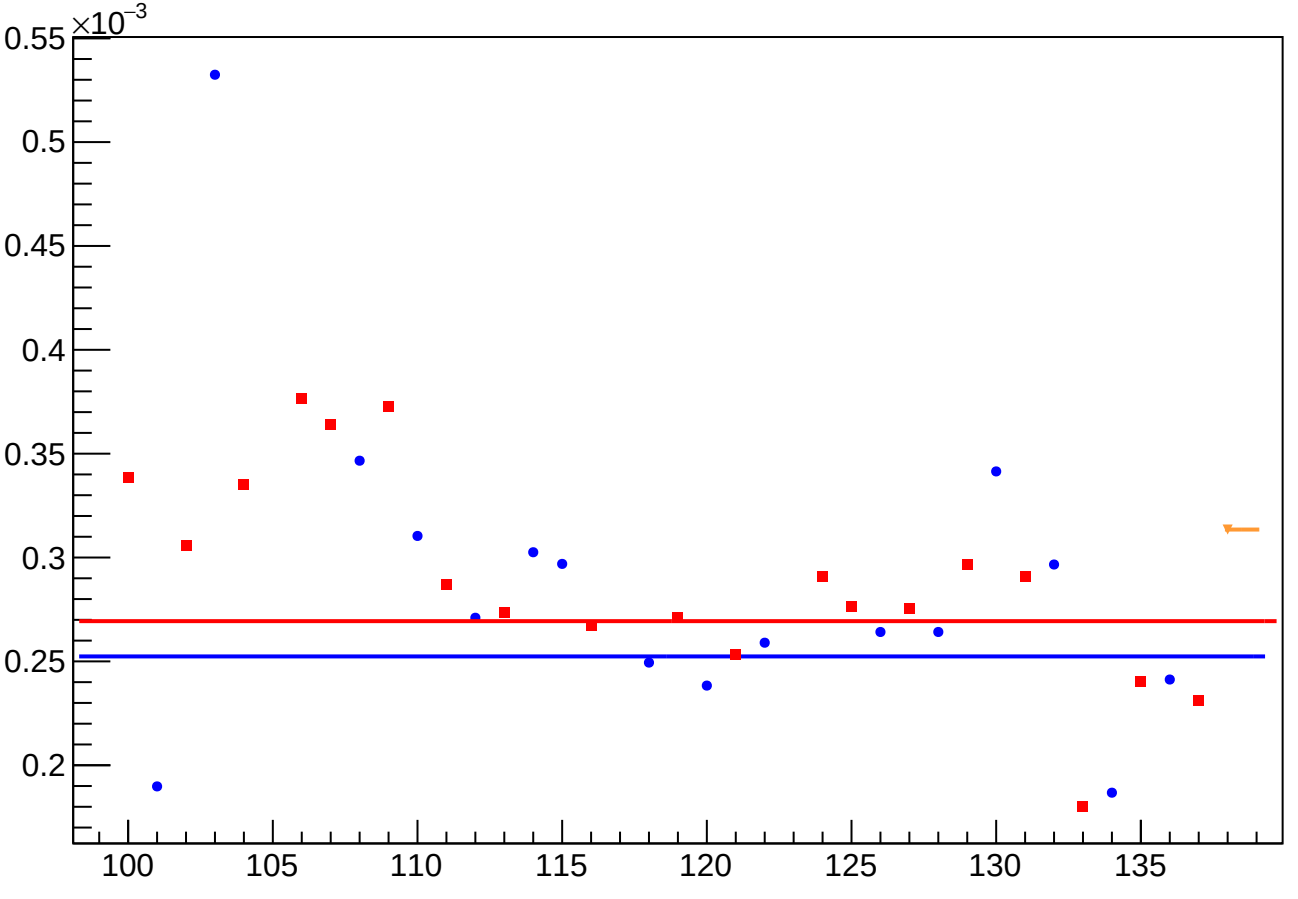
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.022+/-0.000 χ^2/NDF:5012486114.6/15

Out: 0.024+/-0.000 χ^2/NDF:5582411870.7/19

All: 0.023+/-0.000 χ^2/NDF: 10692661941.2/3

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

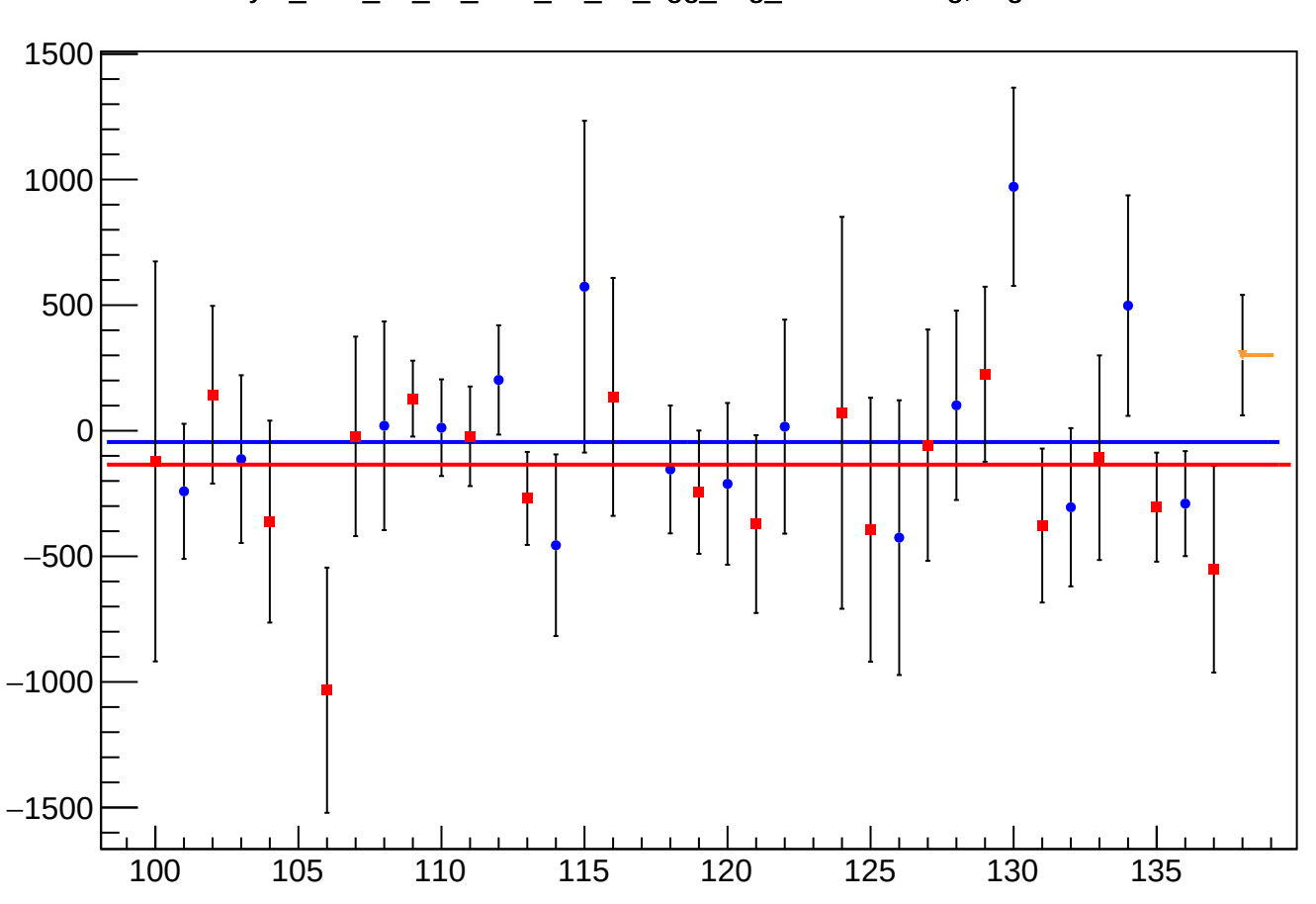
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:707863.6/15

Out: 0.000+/-0.000 χ^2/NDF:471317.0/19

All: 0.000+/-0.000 χ^2/NDF: 1218647.5/35



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 301.038+/-239.739 χ^2/NDF:0.0/0

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 301.038+/-239.739 χ^2/NDF: 0.0/0

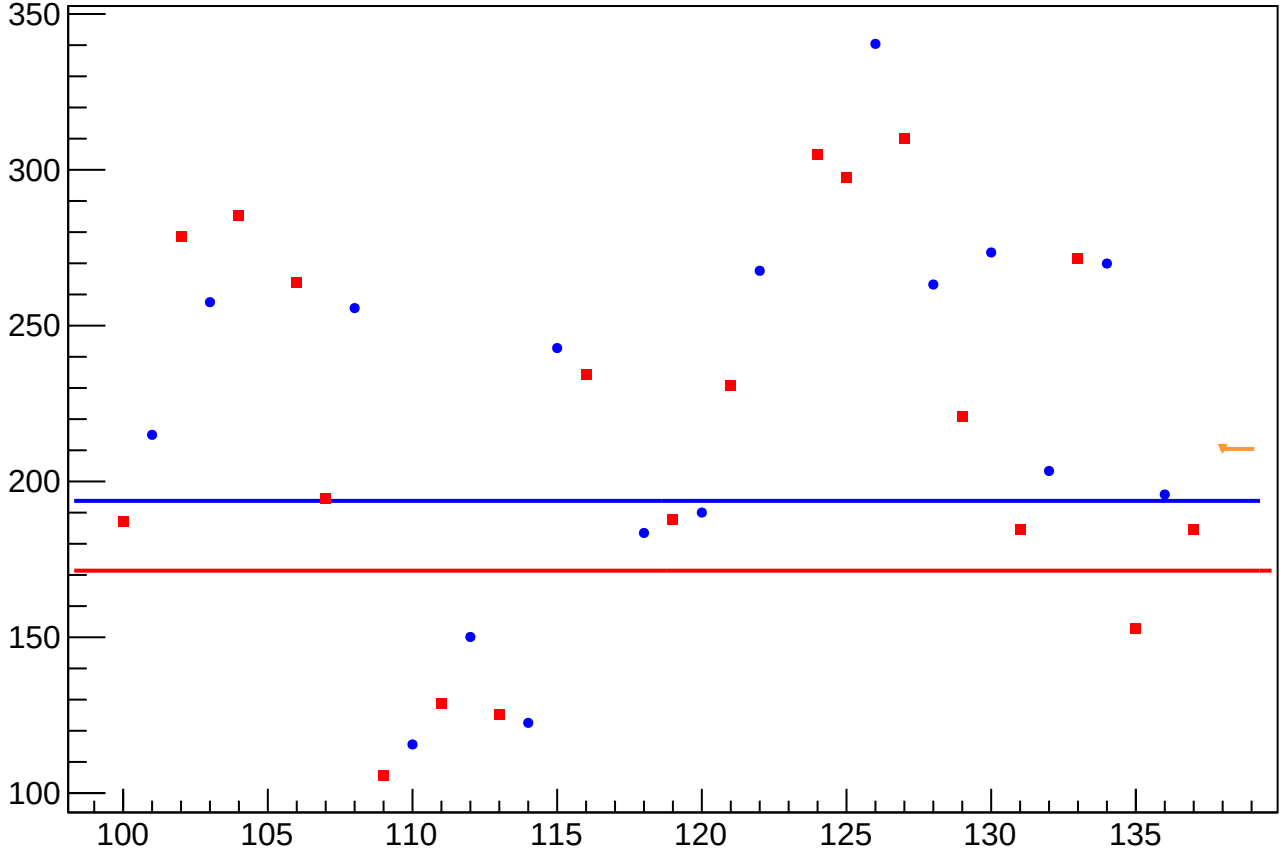
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: -44.917+/-76.198 χ^2/NDF:15.5/15

Out: -102.473+/-65.474 χ^2/NDF:16.0/19

All: -78.027+/-49.660 χ^2/NDF: 31.8/35

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: 210.443+/-0.170 χ^2/NDF:0.0/0

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 210.443+/-0.170 χ^2/NDF: 0.0/0

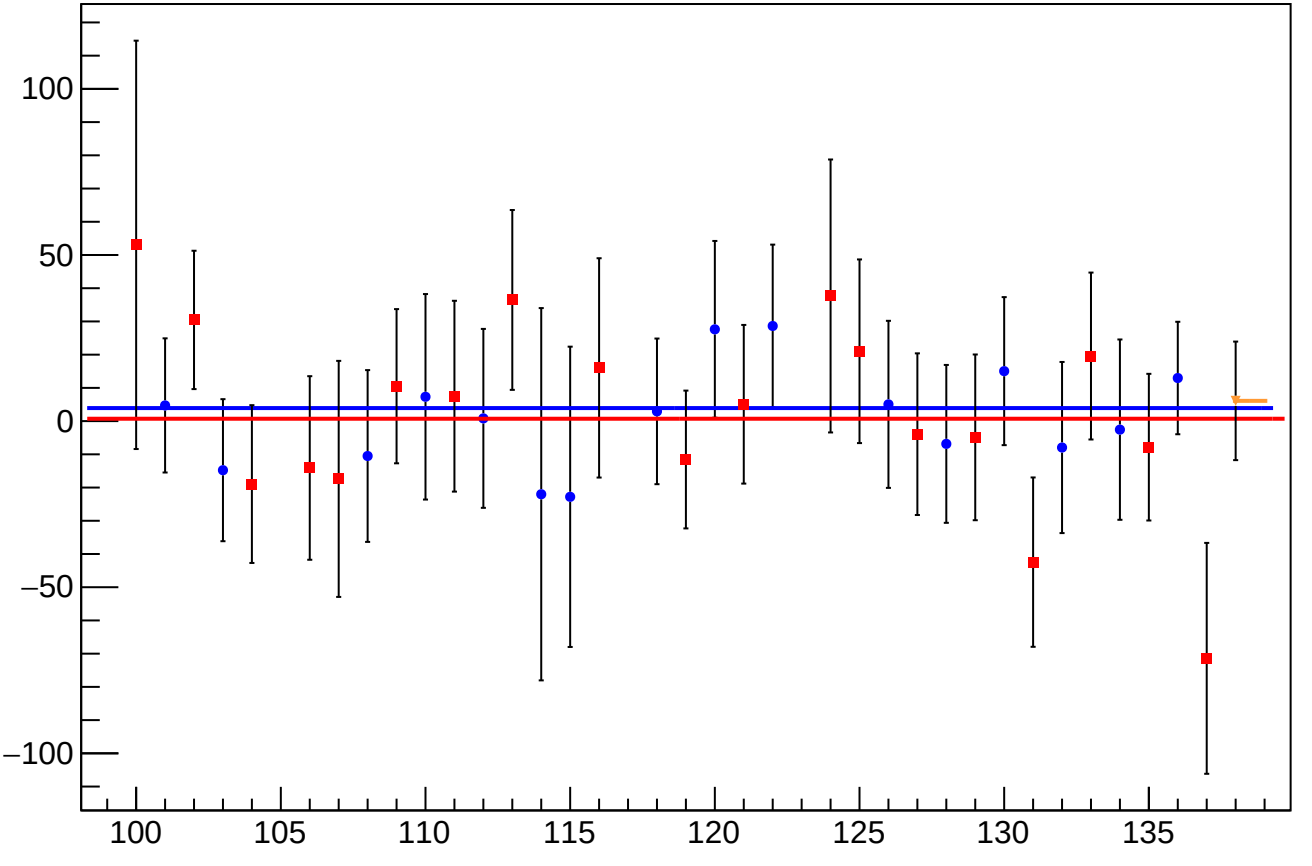
Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 193.768+/-0.054 χ^2/NDF:1048095.1/15

Out: 174.295+/-0.046 χ^2/NDF:1707213.2/19

All: 182.566+/-0.035 χ^2/NDF: 2830443.9/35

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: 6.095+/-17.842 χ^2/NDF:0.0/0

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6.095+/-17.842 χ^2/NDF: 0.0/0

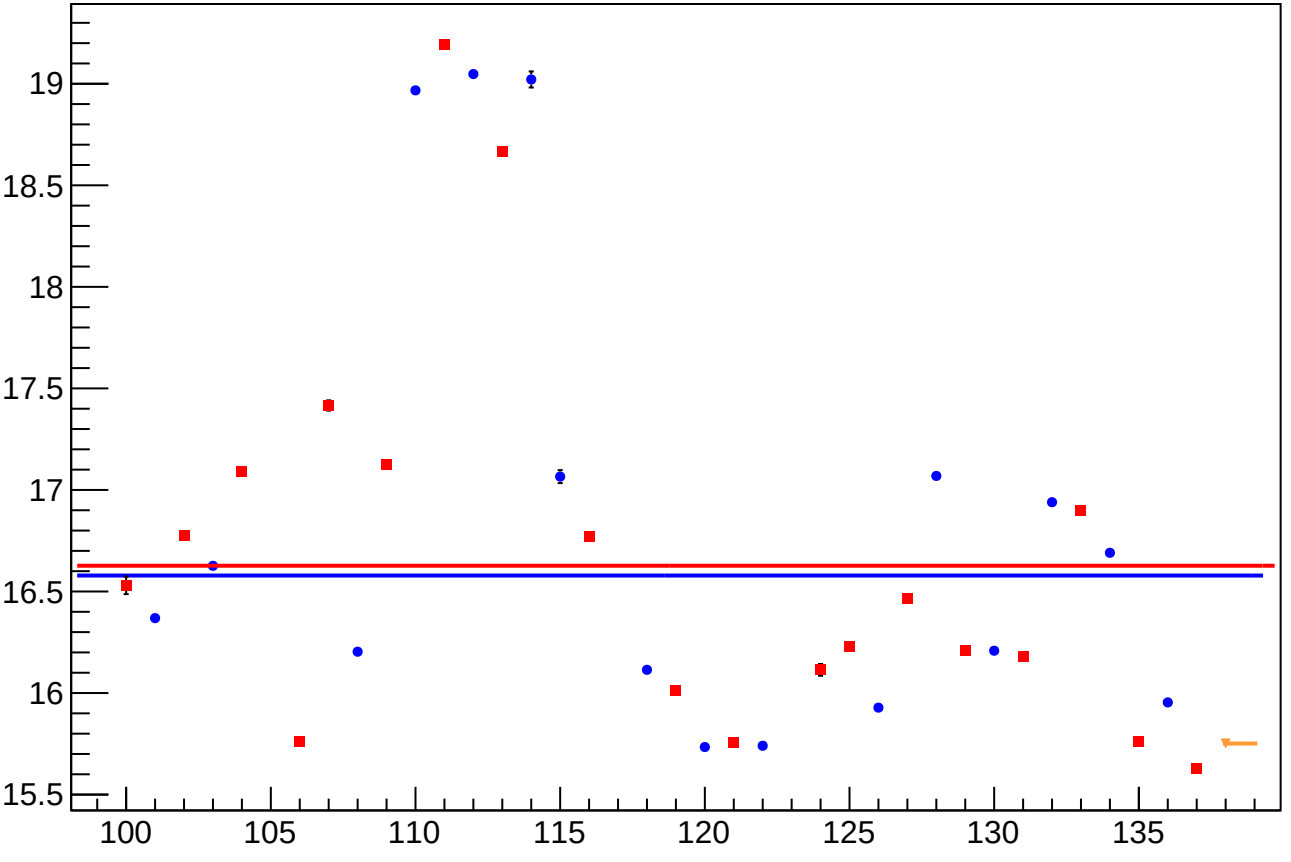
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 3.923+/-6.172 χ^2/NDF:4.5/15

Out: 1.273+/-5.752 χ^2/NDF:16.0/19

All: 2.505+/-4.208 χ^2/NDF: 20.6/35

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: 15.751+/-0.013 χ^2/NDF:0.0/0

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

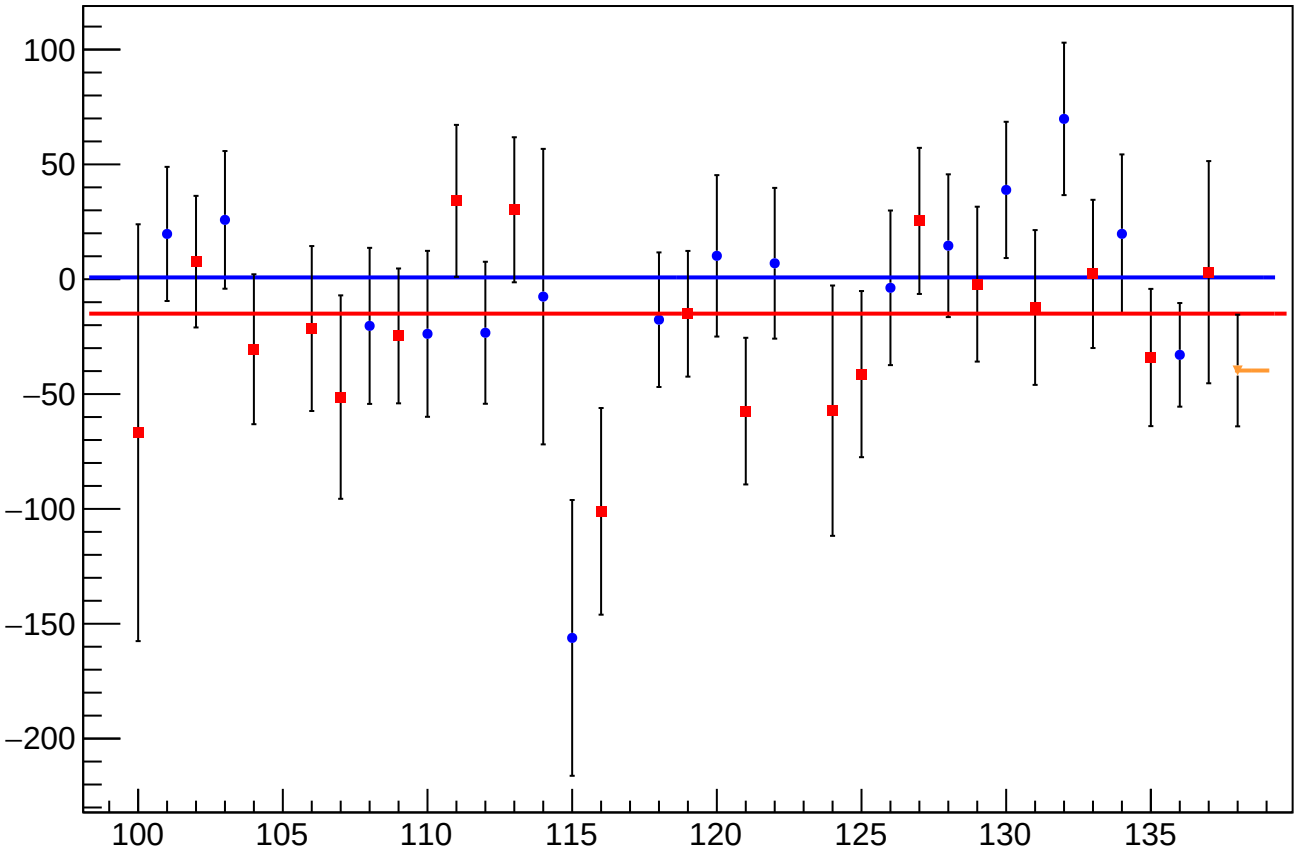
Left: 15.751+/-0.013 χ^2/NDF: 0.0/0

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 16.579+/-0.004 χ^2/NDF:44575.6/15

Out: 16.536+/-0.004 χ^2/NDF:47776.6/19

All: 16.556+/-0.003 χ^2/NDF: 92403.5/35



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -39.743+/-24.316 χ^2/NDF:0.0/0

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -39.743+/-24.316 χ^2/NDF: 0.0/0

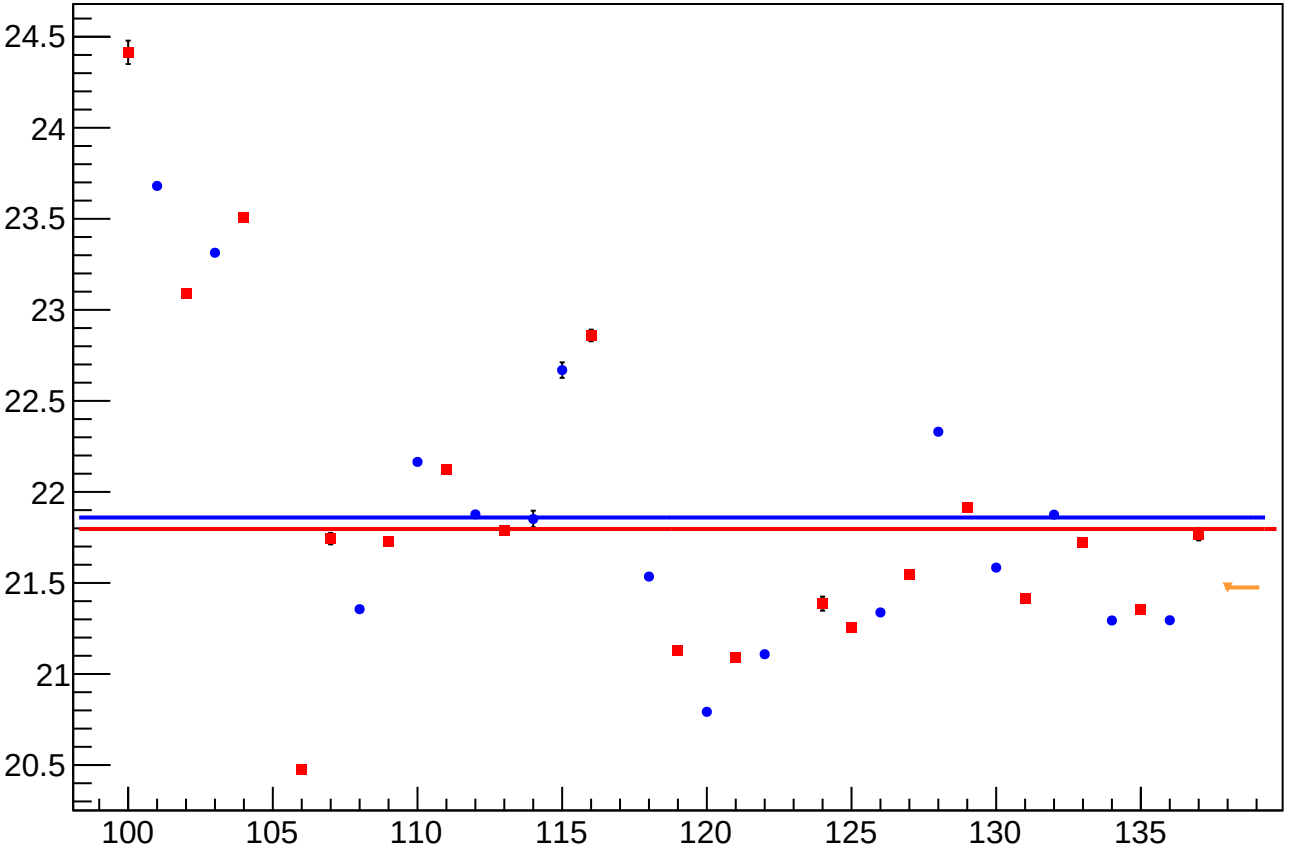
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: 0.790+/-8.125 χ^2/NDF:18.7/15

Out: -17.374+/-7.559 χ^2/NDF:16.3/19

All: -8.946+/-5.534 χ^2/NDF: 37.7/35

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: 21.475+/-0.017 χ^2/NDF:0.0/0

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

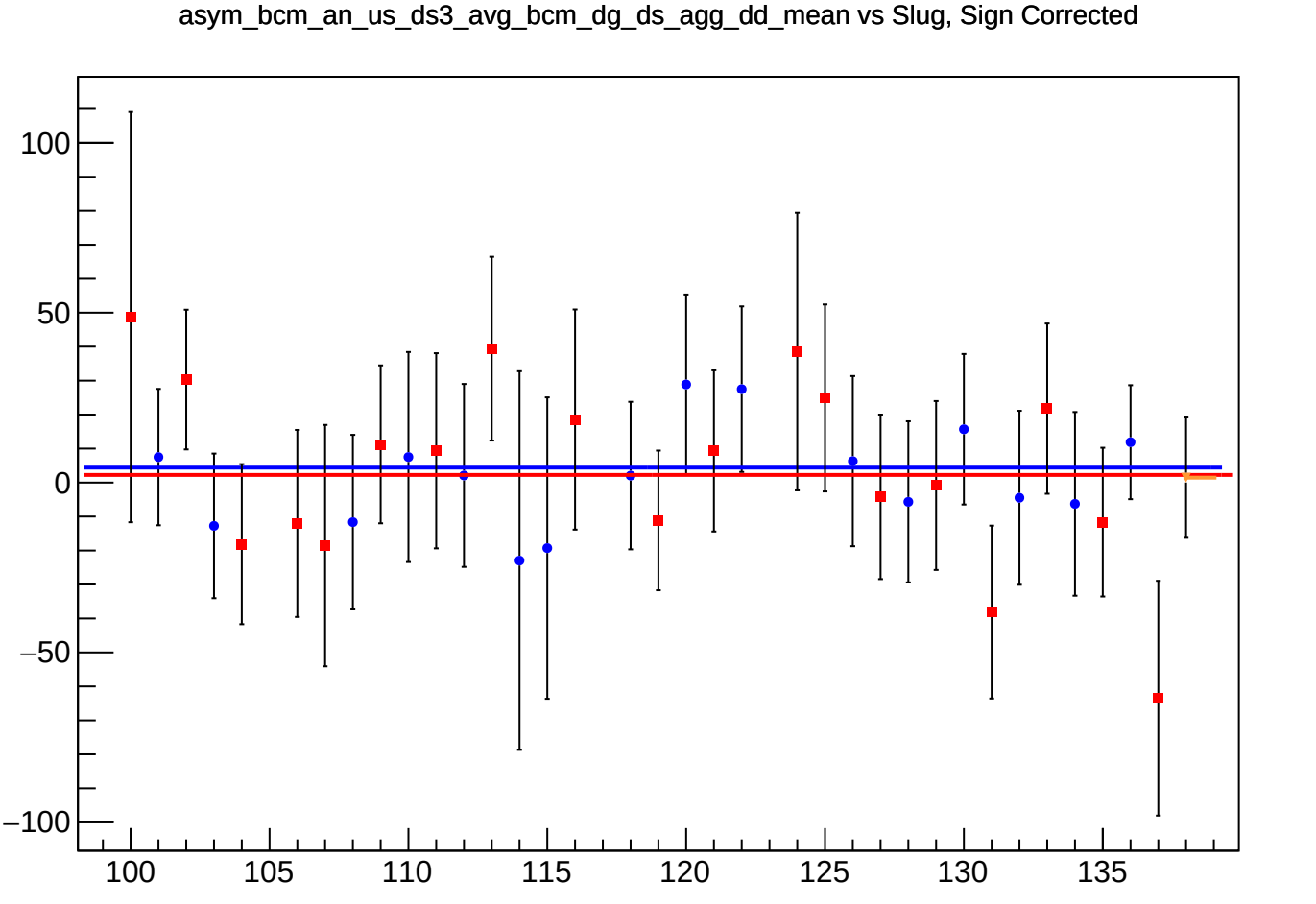
Left: 21.475+/-0.017 χ^2/NDF: 0.0/0

Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

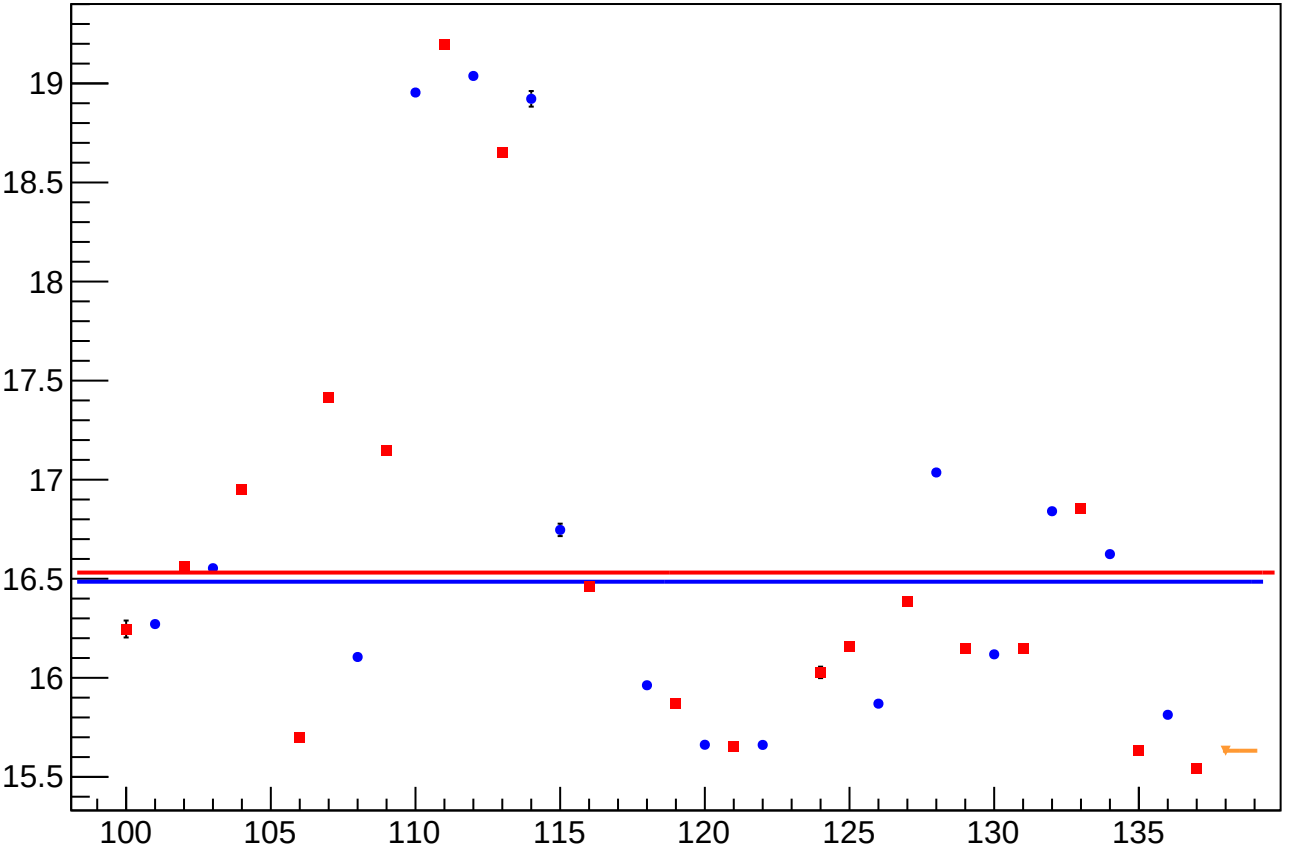
In: 21.860+/-0.006 χ^2/NDF:19468.1/15

Out: 21.765+/-0.005 χ^2/NDF:19176.2/19

All: 21.809+/-0.004 χ^2/NDF: 38788.9/35


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
105
110
115
120
125
130
135
Right In: 4.404+/-6.137 χ²/NDF: 4.3/15
Left Out: 1.447+/-17.707 χ²/NDF:0.0/0
Right Out: 2.244+/-6.042 χ²/NDF: 15.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1.447+/-17.707 χ²/NDF: 0.0/0
Right: 3.307+/-4.306 χ²/NDF: 19.7/34
In: 4.404+/-6.137 χ²/NDF:4.3/15
Out: 2.161+/-5.719 χ²/NDF:15.4/19
All: 3.203+/-4.184 χ²/NDF: 19.7/35

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: 15.632+/-0.013 χ^2/NDF:0.0/0

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

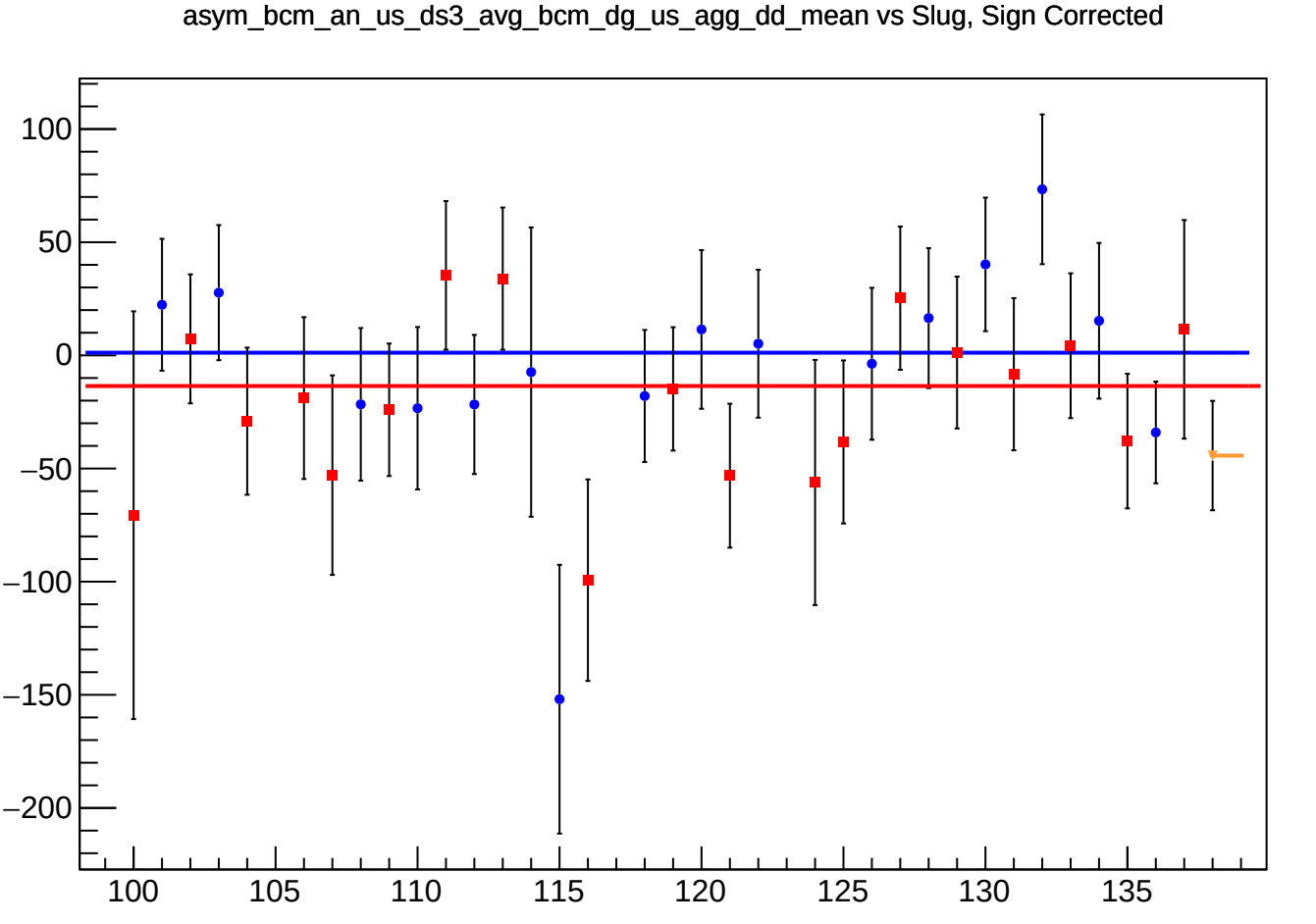
Left: 15.632+/-0.013 χ^2/NDF: 0.0/0

Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

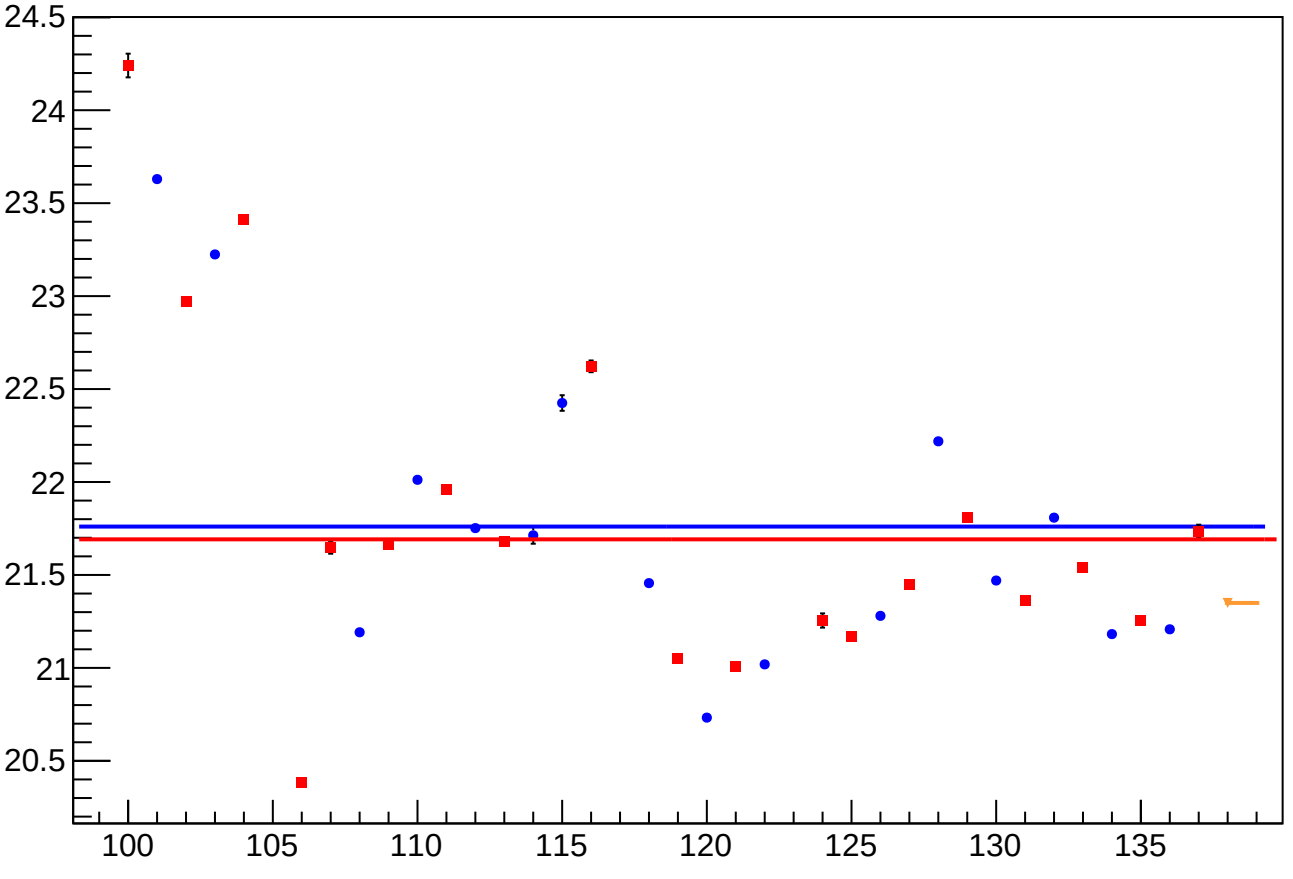
In: 16.485+/-0.004 χ^2/NDF:47186.1/15

Out: 16.438+/-0.004 χ^2/NDF:51093.5/19

All: 16.460+/-0.003 χ^2/NDF: 98344.0/35


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
105
110
115
120
125
130
135
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -44.282+/-24.174 χ²/NDF:0.0/0
Right Out: -13.549+/-7.915 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -44.282+/-24.174 χ²/NDF: 0.0/0
Right: -6.341+/-5.657 χ²/NDF: 37.0/34
In: 1.185+/-8.088 χ²/NDF:19.4/15
Out: -16.525+/-7.522 χ²/NDF:17.4/19
All: -8.311+/-5.508 χ²/NDF: 39.4/35

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.349+/-0.017 χ^2/NDF:0.0/0

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 21.349+/-0.017 χ^2/NDF: 0.0/0

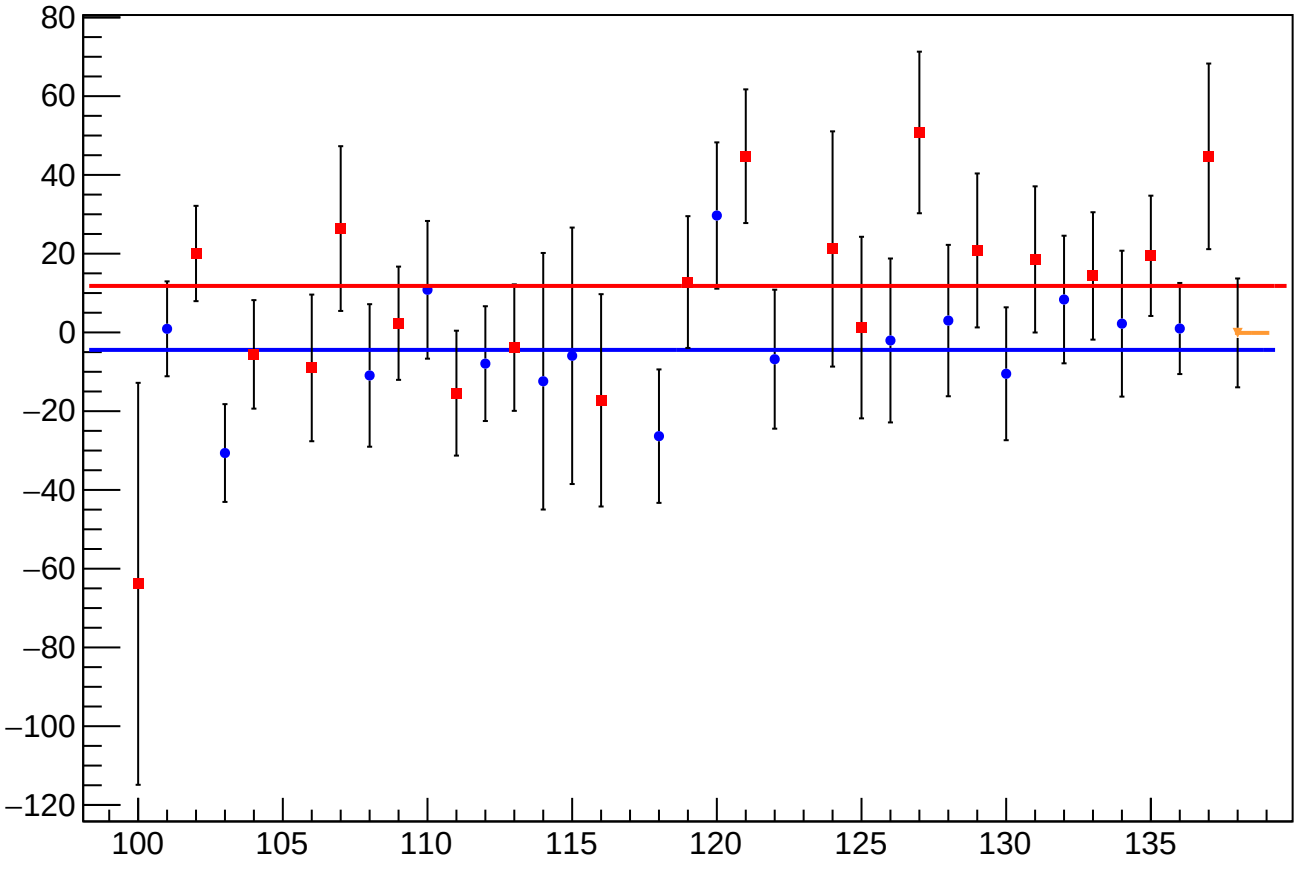
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.760+/-0.006 χ^2/NDF:19745.7/15

Out: 21.658+/-0.005 χ^2/NDF:18692.5/19

All: 21.706+/-0.004 χ^2/NDF: 38608.1/35

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: -0.120+/-13.821 χ^2/NDF:0.0/0

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

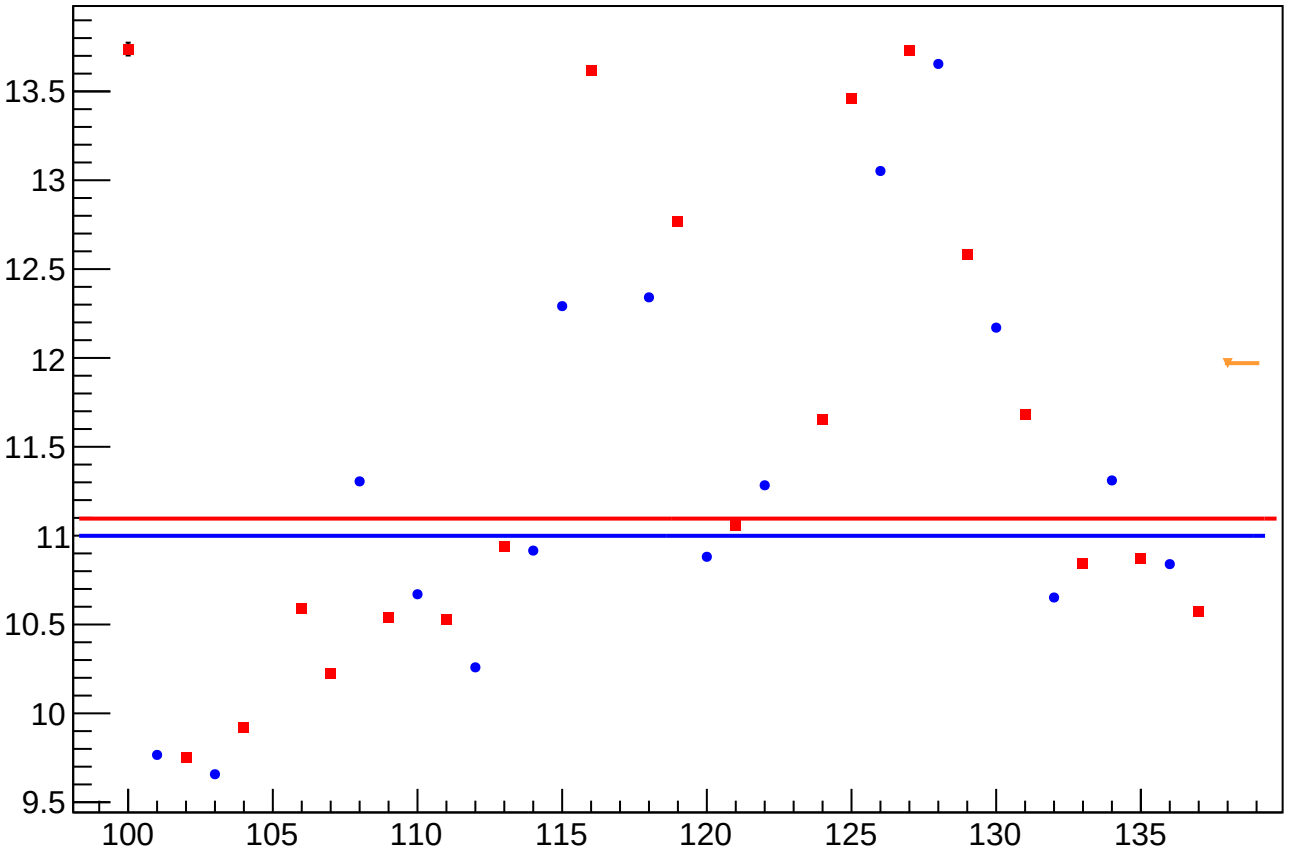
Left: -0.120+/-13.821 χ^2/NDF: 0.0/0

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -4.440+/-4.131 χ^2/NDF:12.0/15

Out: 10.843+/-3.928 χ^2/NDF:22.4/19

All: 3.585+/-2.847 χ^2/NDF: 41.6/35



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.971+/-0.010 χ^2/NDF:0.0/0

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

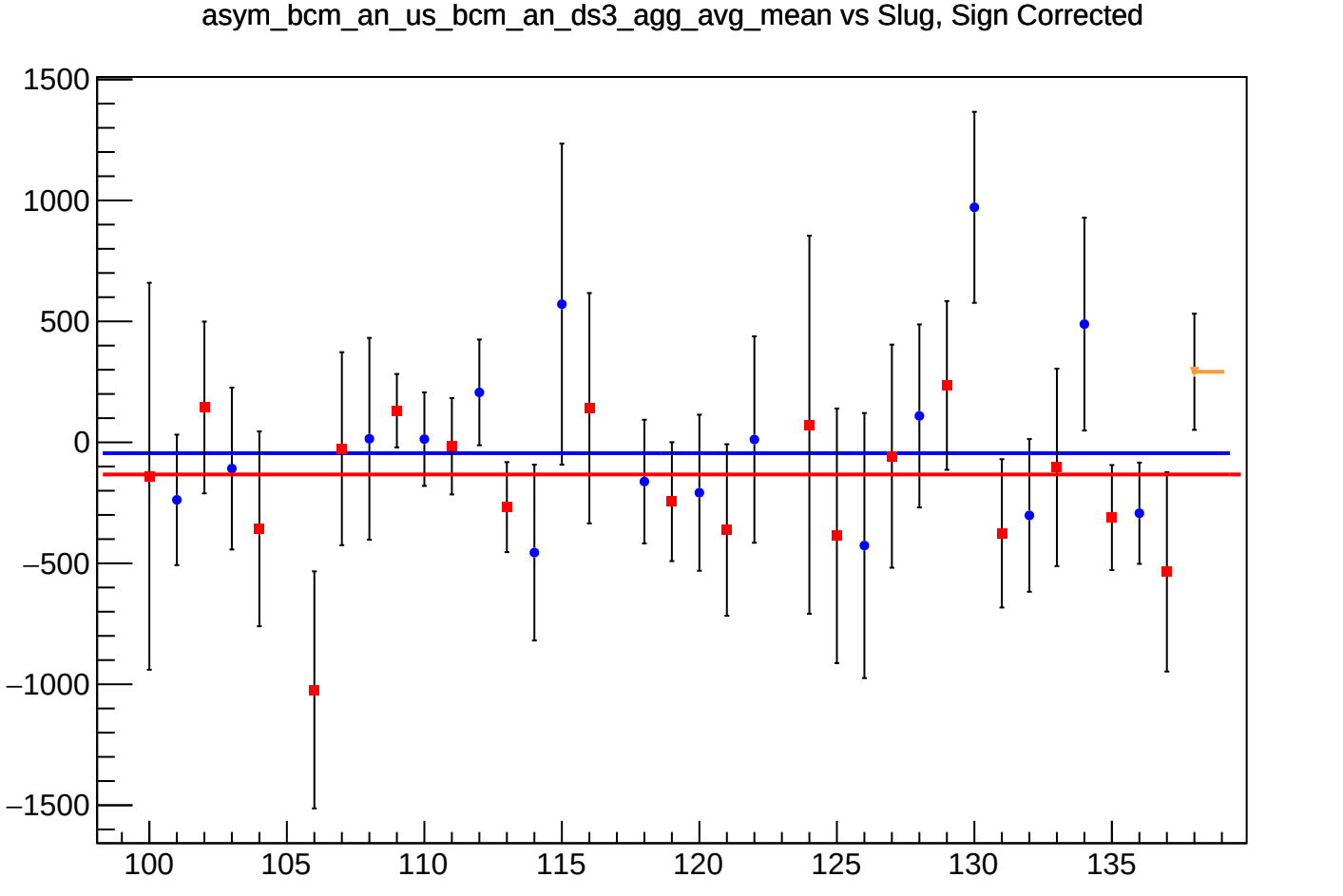
Left: 11.971+/-0.010 χ^2/NDF: 0.0/0

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

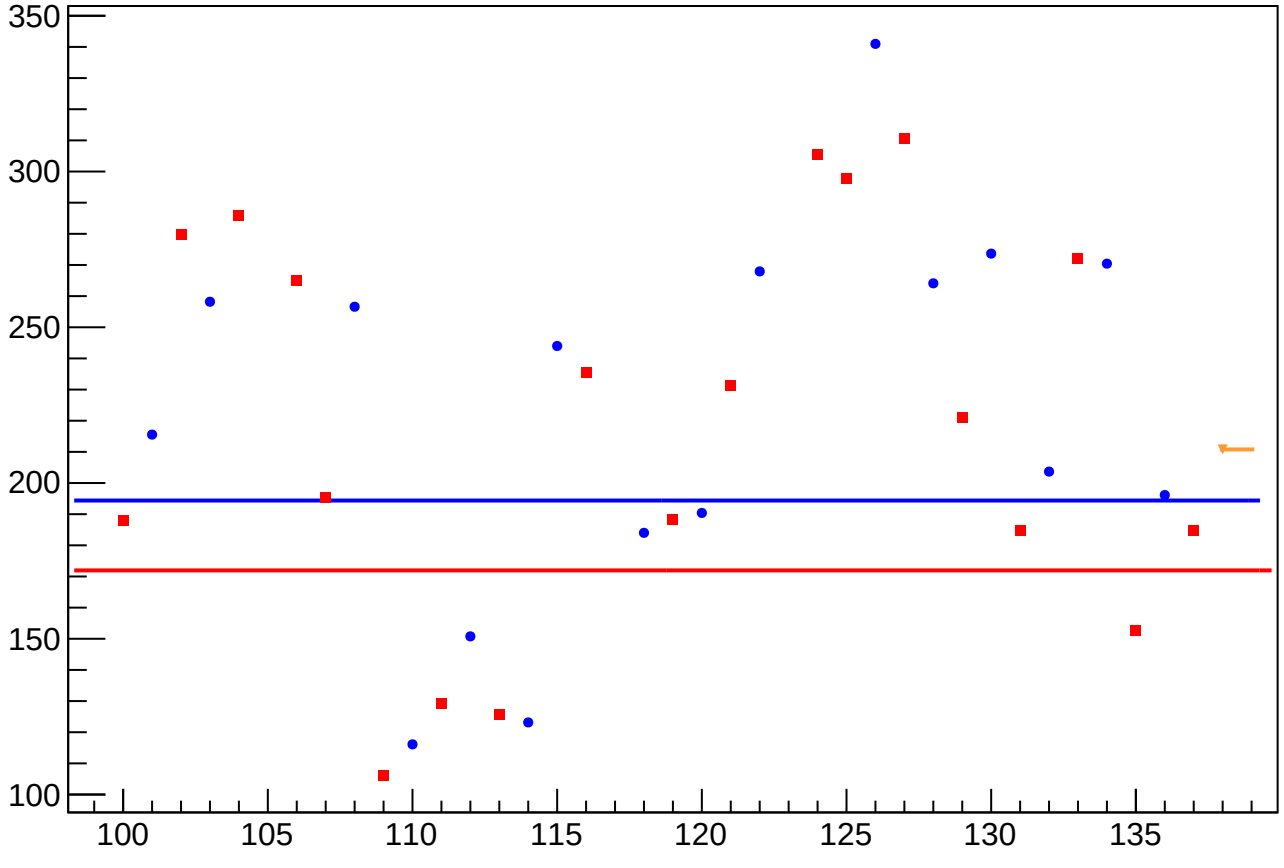
In: 10.999+/-0.003 χ^2/NDF:136159.2/15

Out: 11.167+/-0.003 χ^2/NDF:170274.4/19

All: 11.087+/-0.002 χ^2/NDF: 308162.1/35


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
105
110
115
120
125
130
135
Right In: -44.797+/-76.424 χ²/NDF: 15.4/15
Left Out: 291.677+/-240.125 χ²/NDF:0.0/0
Right Out: -132.730+/-68.270 χ²/NDF: 12.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 291.677+/-240.125 χ²/NDF: 0.0/0
Right: -93.703+/-50.914 χ²/NDF: 29.0/34
In: -44.797+/-76.424 χ²/NDF:15.4/15
Out: -100.990+/-65.667 χ²/NDF:15.7/19
All: -77.123+/-49.806 χ²/NDF: 31.5/35

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: 210.780+/-0.170 χ^2/NDF:0.0/0

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

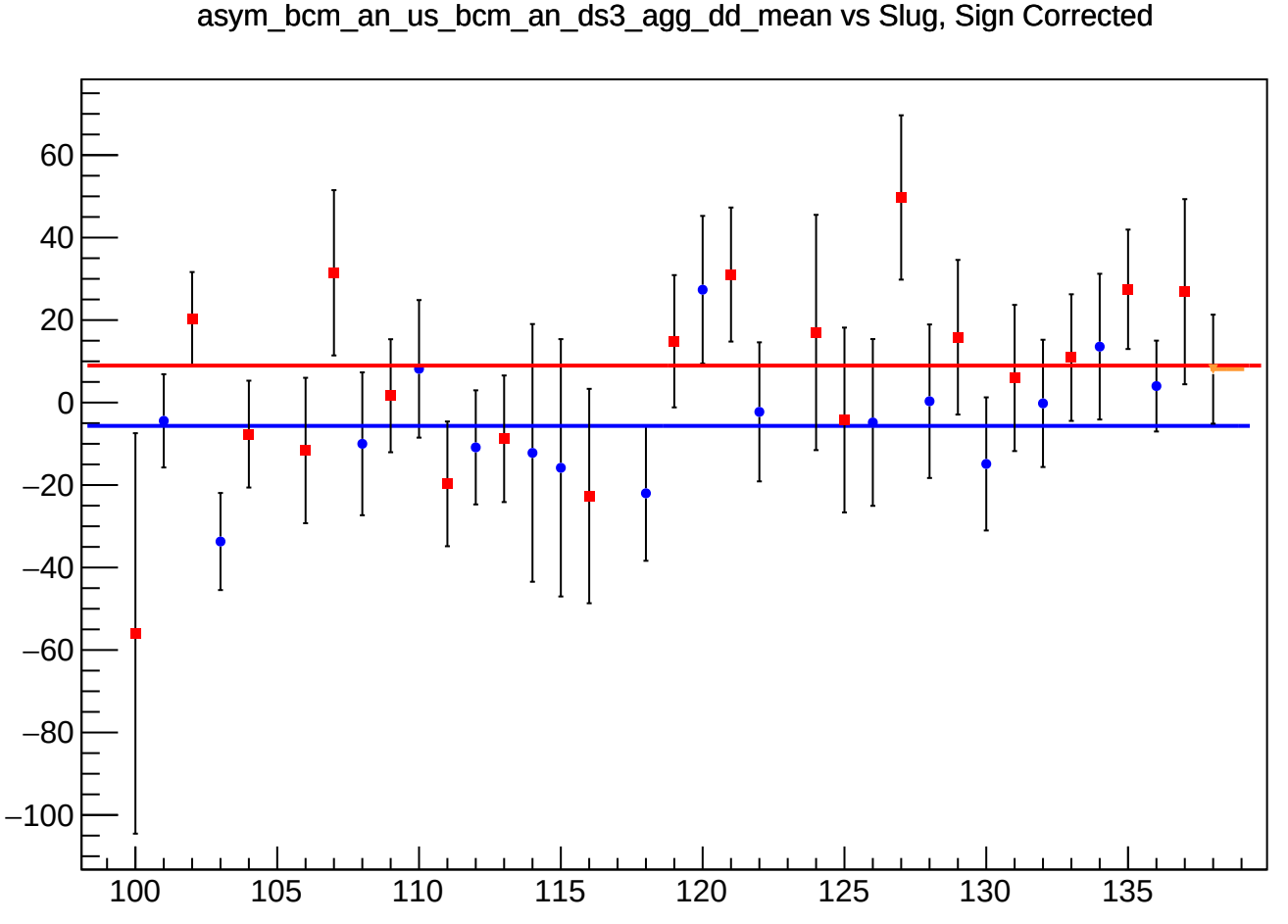
Left: 210.780+/-0.170 χ^2/NDF: 0.0/0

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 194.385+/-0.054 χ^2/NDF:1042024.1/15

Out: 174.853+/-0.046 χ^2/NDF:1699734.2/19

All: 183.149+/-0.035 χ^2/NDF: 2816912.1/35



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 8.096+/-13.216 χ^2/NDF:0.0/0

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 8.096+/-13.216 χ^2/NDF: 0.0/0

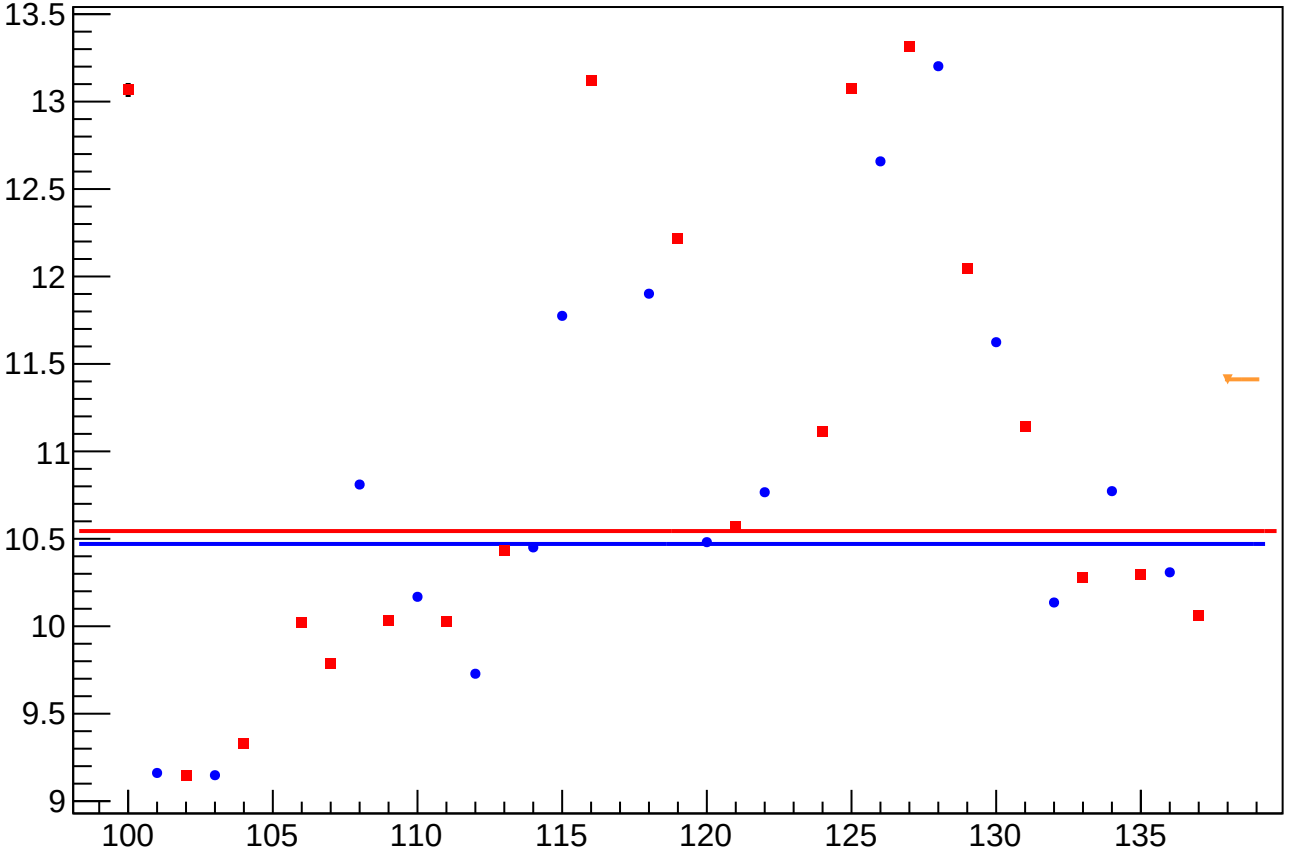
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -5.657+/-3.939 χ^2/NDF:13.7/15

Out: 8.891+/-3.741 χ^2/NDF:22.8/19

All: 1.991+/-2.713 χ^2/NDF: 43.6/35

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: 11.412+/-0.009 χ^2/NDF:0.0/0

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

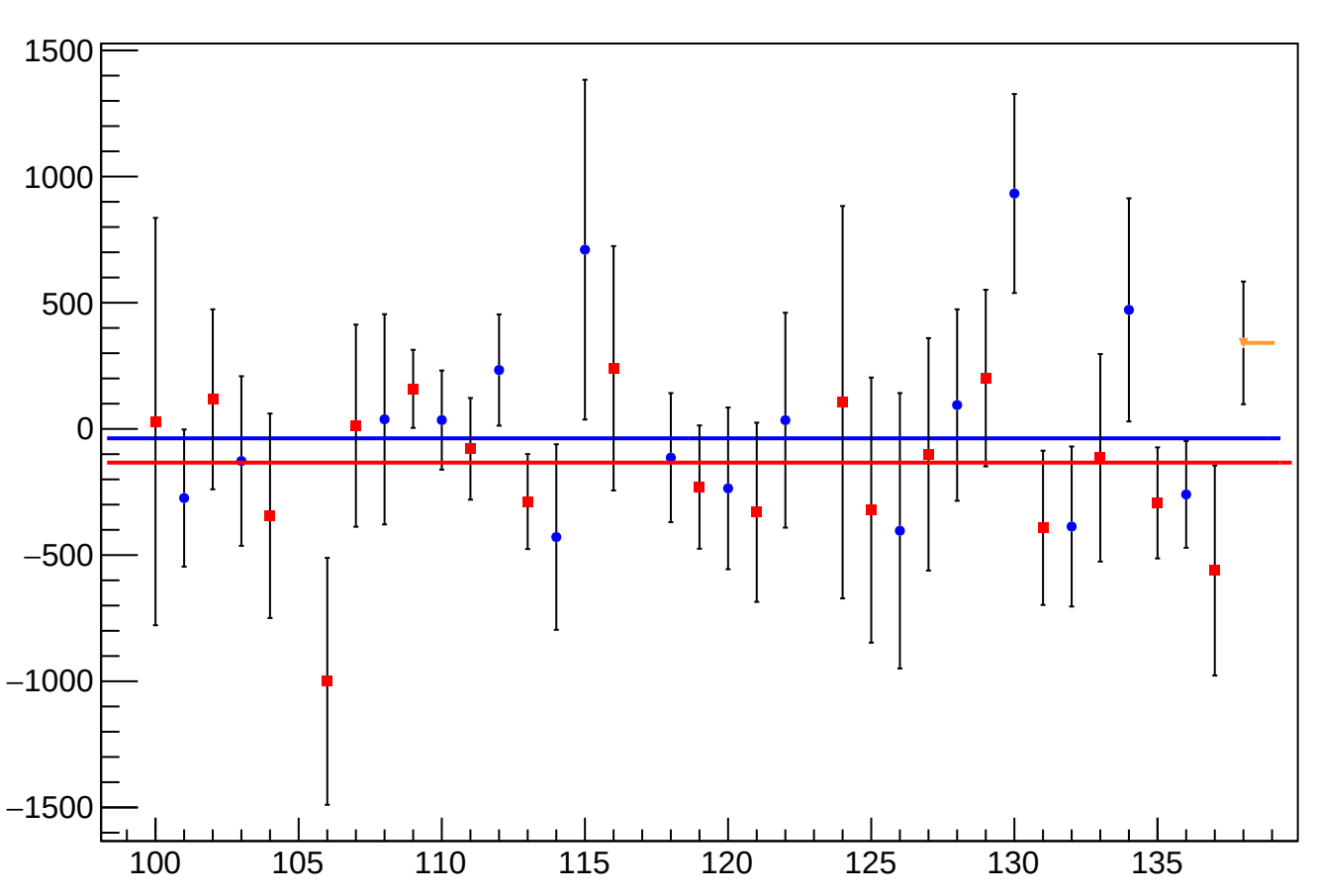
Left: 11.412+/-0.009 χ^2/NDF: 0.0/0

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.471+/-0.003 χ^2/NDF:157365.8/15

Out: 10.614+/-0.003 χ^2/NDF:194706.8/19

All: 10.546+/-0.002 χ^2/NDF: 353463.8/35



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 340.901+/-243.240 χ^2/NDF:0.0/0

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

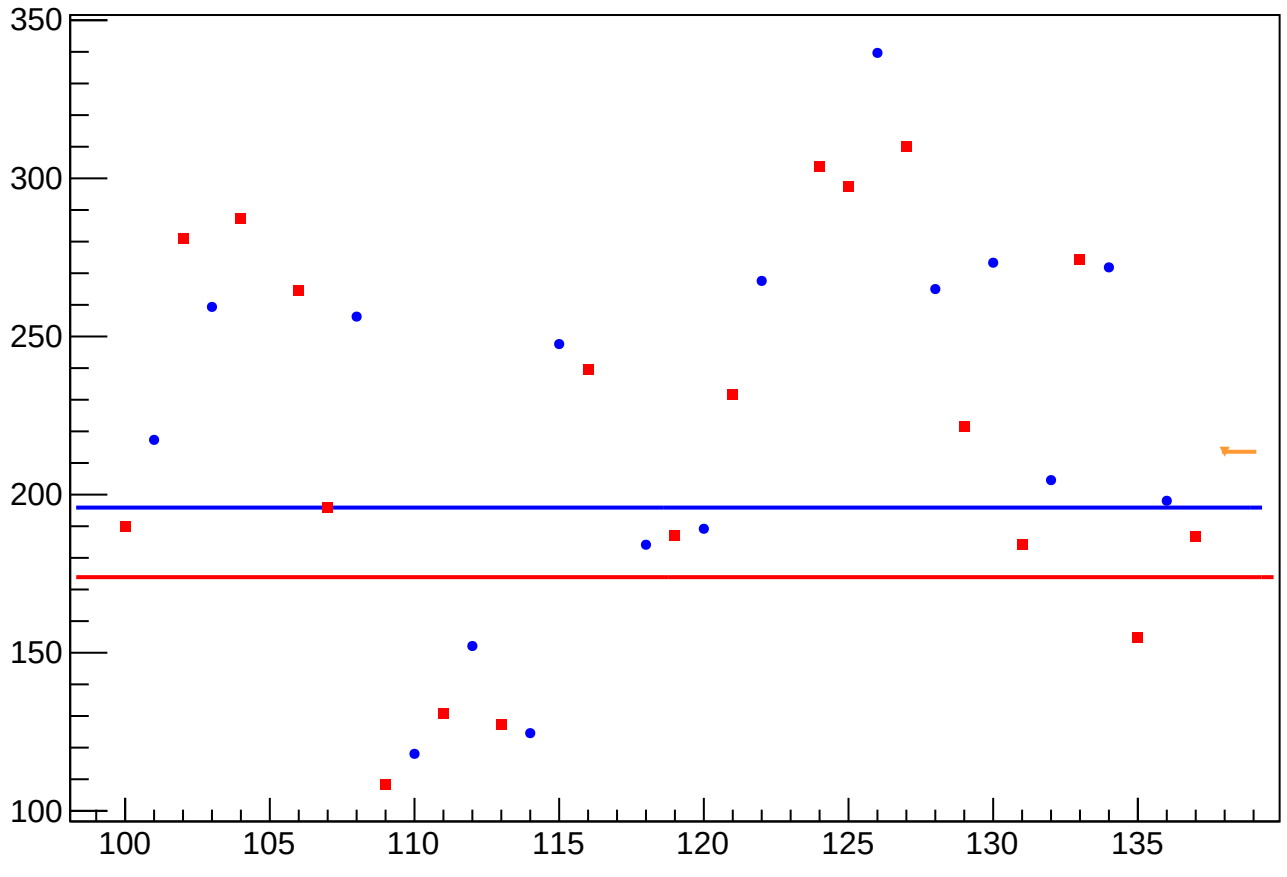
Left: 340.901+/-243.240 χ^2/NDF: 0.0/0

Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: -37.241+/-76.915 χ^2/NDF:15.6/15

Out: -98.171+/-66.279 χ^2/NDF:16.4/19

All: -72.207+/-50.209 χ^2/NDF: 32.4/35



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 213.553+/-0.172 χ^2/NDF:0.0/0

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

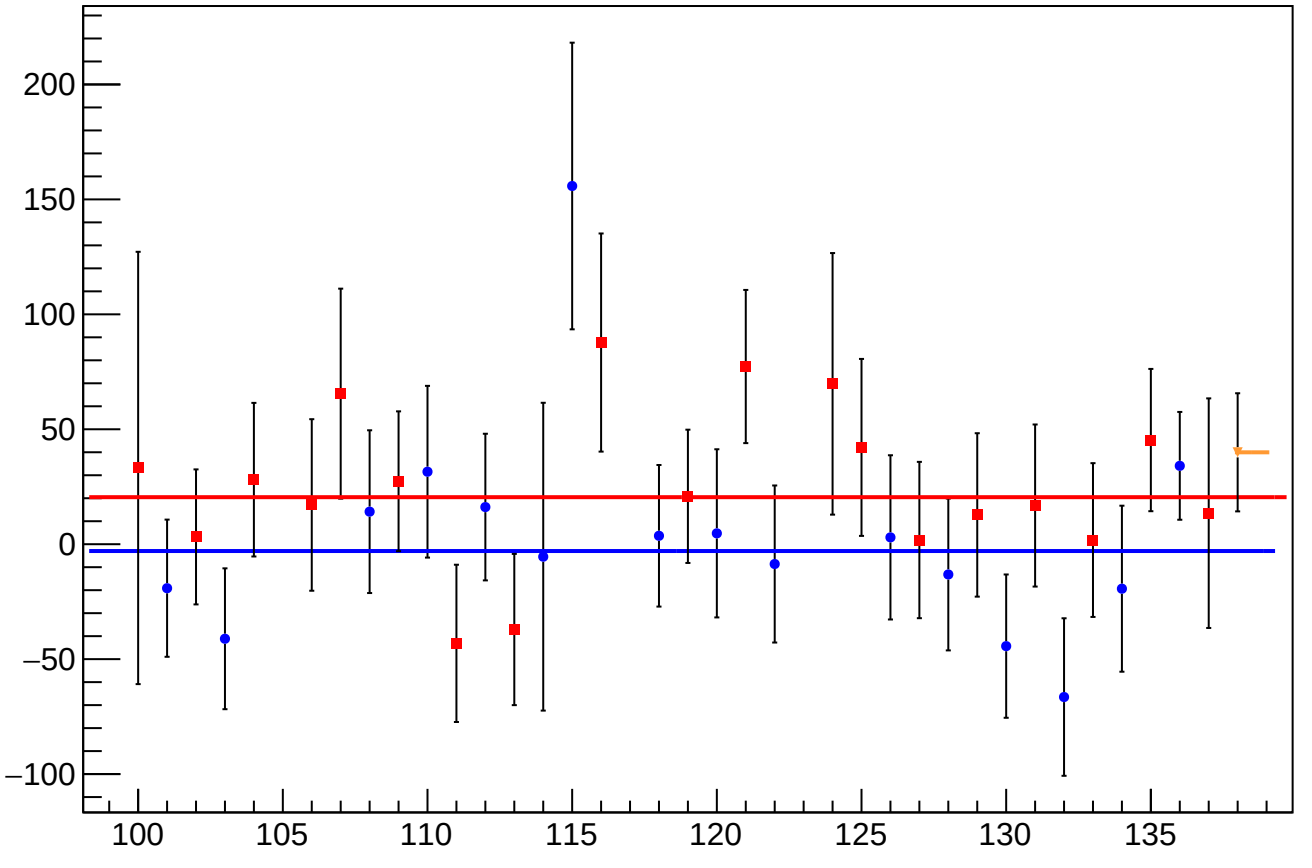
Left: 213.553+/-0.172 χ^2/NDF: 0.0/0

Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 195.900+/-0.054 χ^2/NDF:1011012.3/15

Out: 176.845+/-0.047 χ^2/NDF:1648808.1/19

All: 184.965+/-0.036 χ^2/NDF: 2730257.8/35



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 39.972+/-25.694 χ^2/NDF:0.0/0

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 39.972+/-25.694 χ^2/NDF: 0.0/0

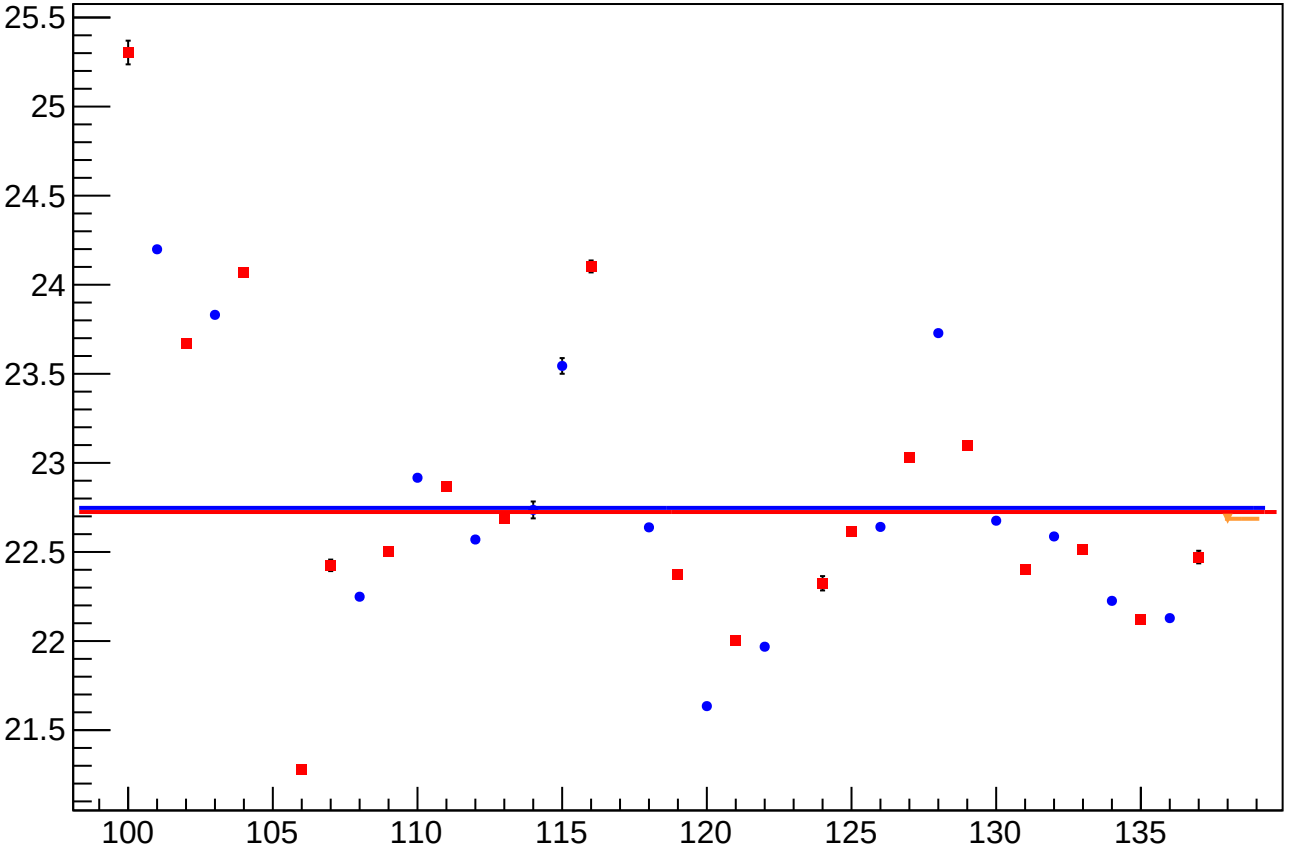
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: -2.967+/-8.454 χ^2/NDF:17.9/15

Out: 22.298+/-7.891 χ^2/NDF:15.8/19

All: 10.534+/-5.769 χ^2/NDF: 38.5/35

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.686+/-0.018 χ^2/NDF:0.0/0

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

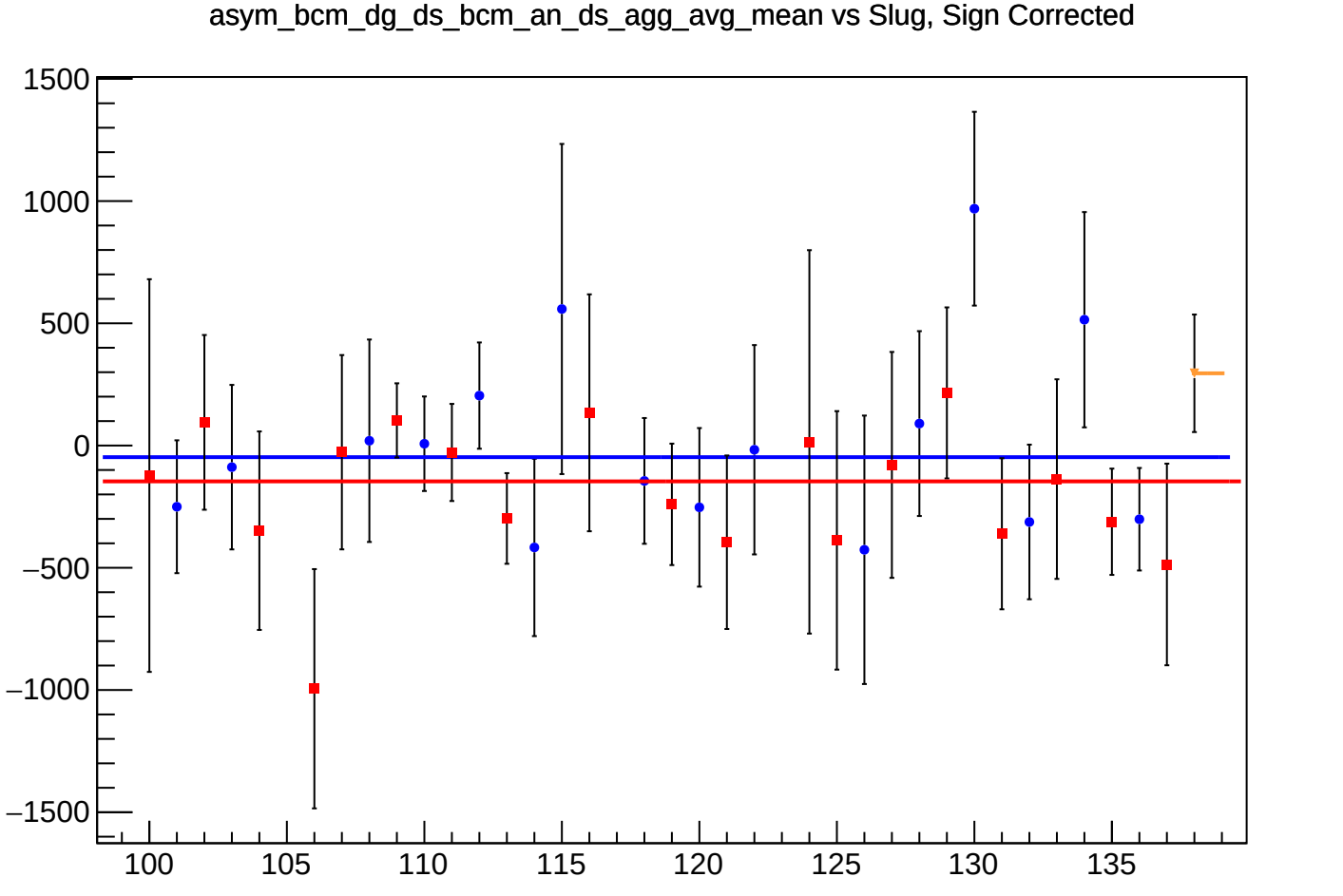
Left: 22.686+/-0.018 χ^2/NDF: 0.0/0

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

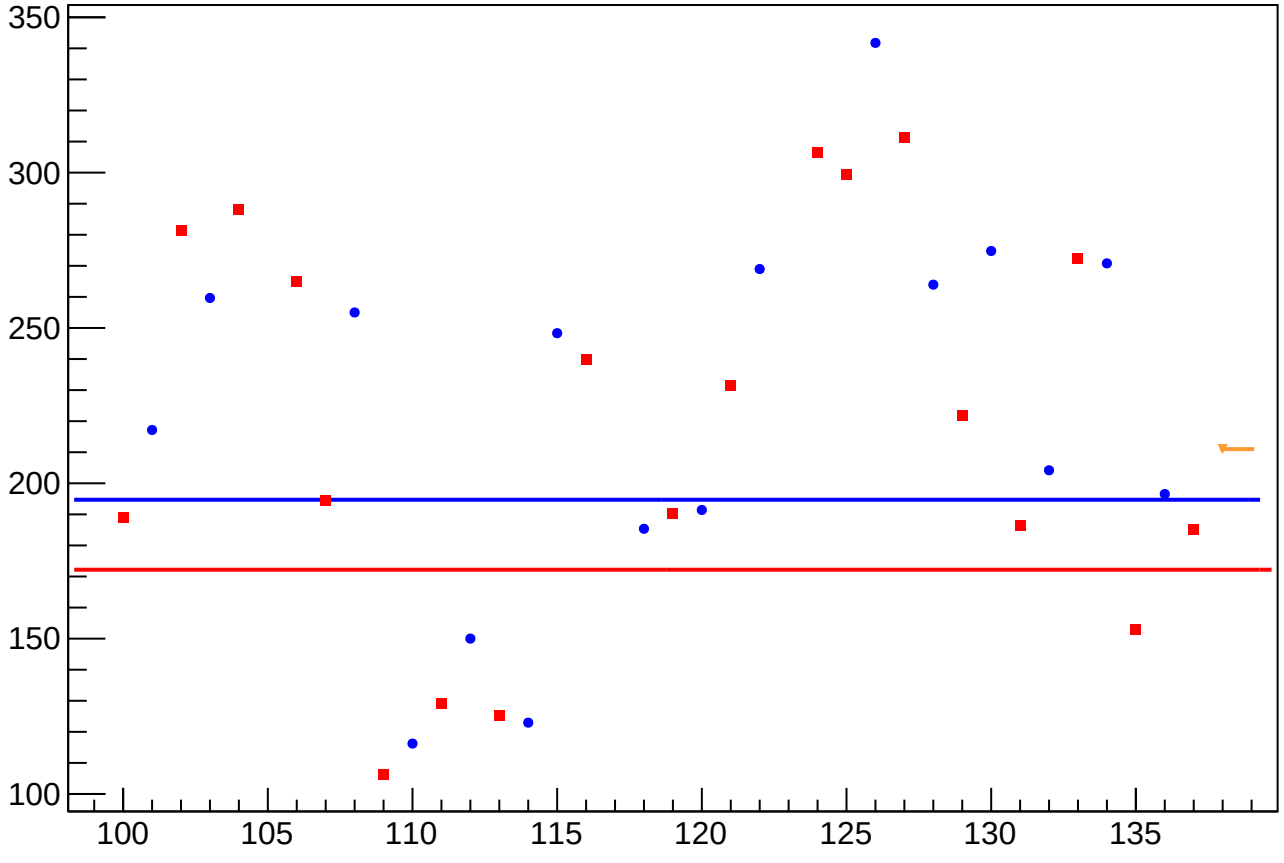
In: 22.747+/-0.006 χ^2/NDF:14622.8/15

Out: 22.721+/-0.006 χ^2/NDF:14494.5/19

All: 22.733+/-0.004 χ^2/NDF: 29128.0/35


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
105
110
115
120
125
130
135
Right In: -47.523+/-76.571 χ²/NDF: 15.4/15
Left Out: 295.513+/-240.374 χ²/NDF:0.0/0
Right Out: -146.573+/-68.398 χ²/NDF: 11.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 295.513+/-240.374 χ²/NDF: 0.0/0
Right: -102.614+/-51.010 χ²/NDF: 27.9/34
In: -47.523+/-76.571 χ²/NDF:15.4/15
Out: -113.459+/-65.786 χ²/NDF:14.7/19
All: -85.458+/-49.899 χ²/NDF: 30.5/35

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: 211.004+/-0.170 χ^2/NDF:0.0/0

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

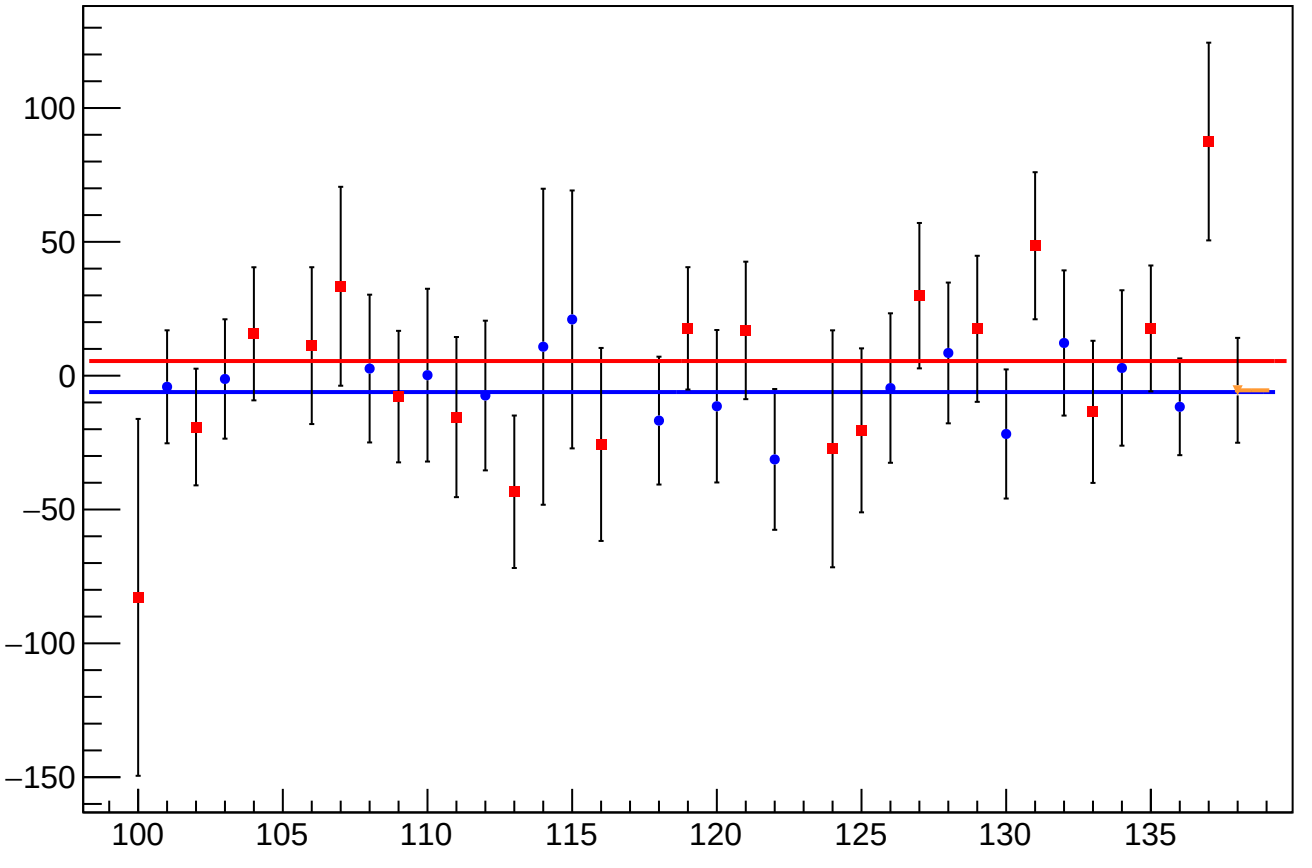
Left: 211.004+/-0.170 χ^2/NDF: 0.0/0

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 194.708+/-0.054 χ^2/NDF:1052288.9/15

Out: 175.094+/-0.047 χ^2/NDF:1719318.8/19

All: 183.423+/-0.035 χ^2/NDF: 2847110.1/35



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: -5.466+/-19.589 χ^2/NDF:0.0/0

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

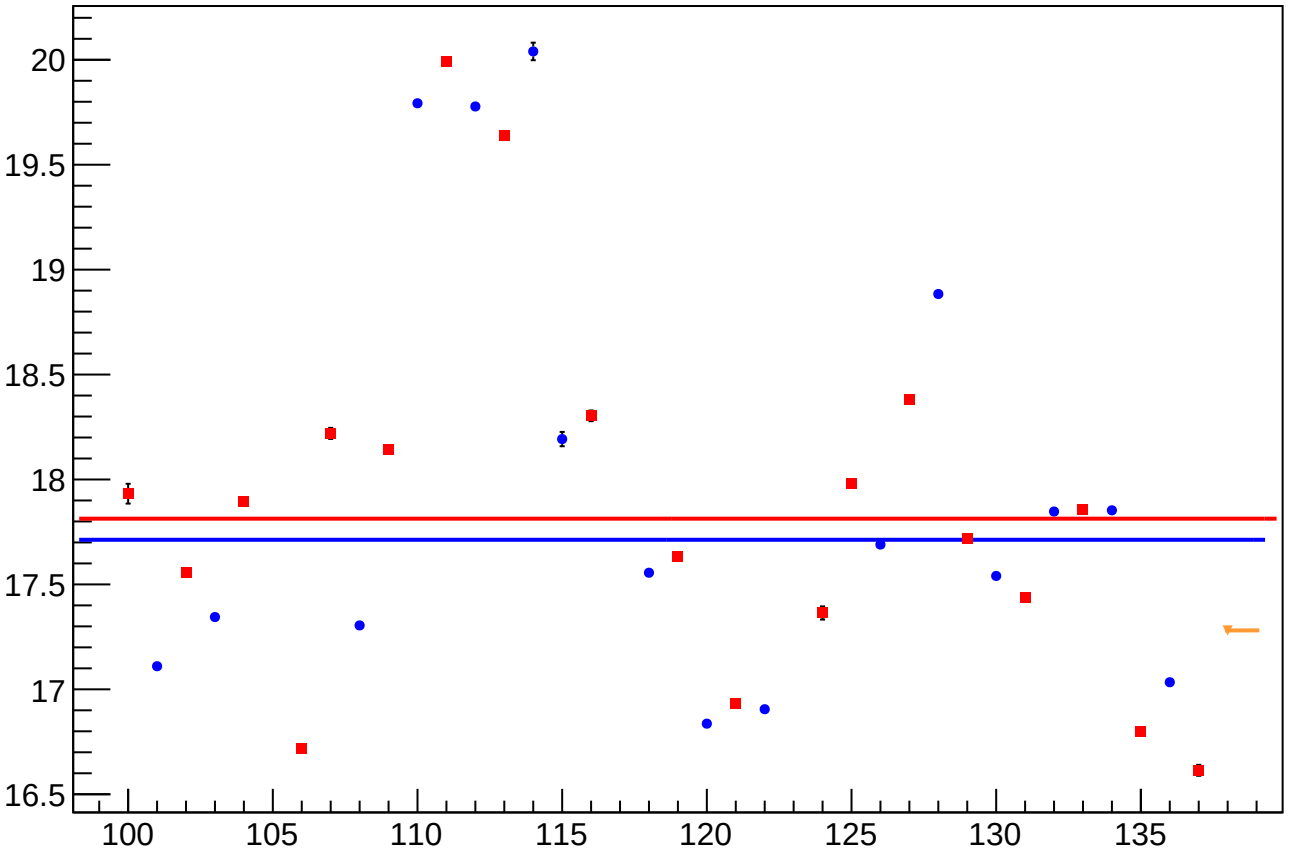
Left: -5.466+/-19.589 χ^2/NDF: 0.0/0

Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -6.119+/-6.592 χ^2/NDF:3.1/15

Out: 4.383+/-6.177 χ^2/NDF:19.5/19

All: -0.527+/-4.507 χ^2/NDF: 23.9/35



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.281+/-0.014 χ^2/NDF:0.0/0

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

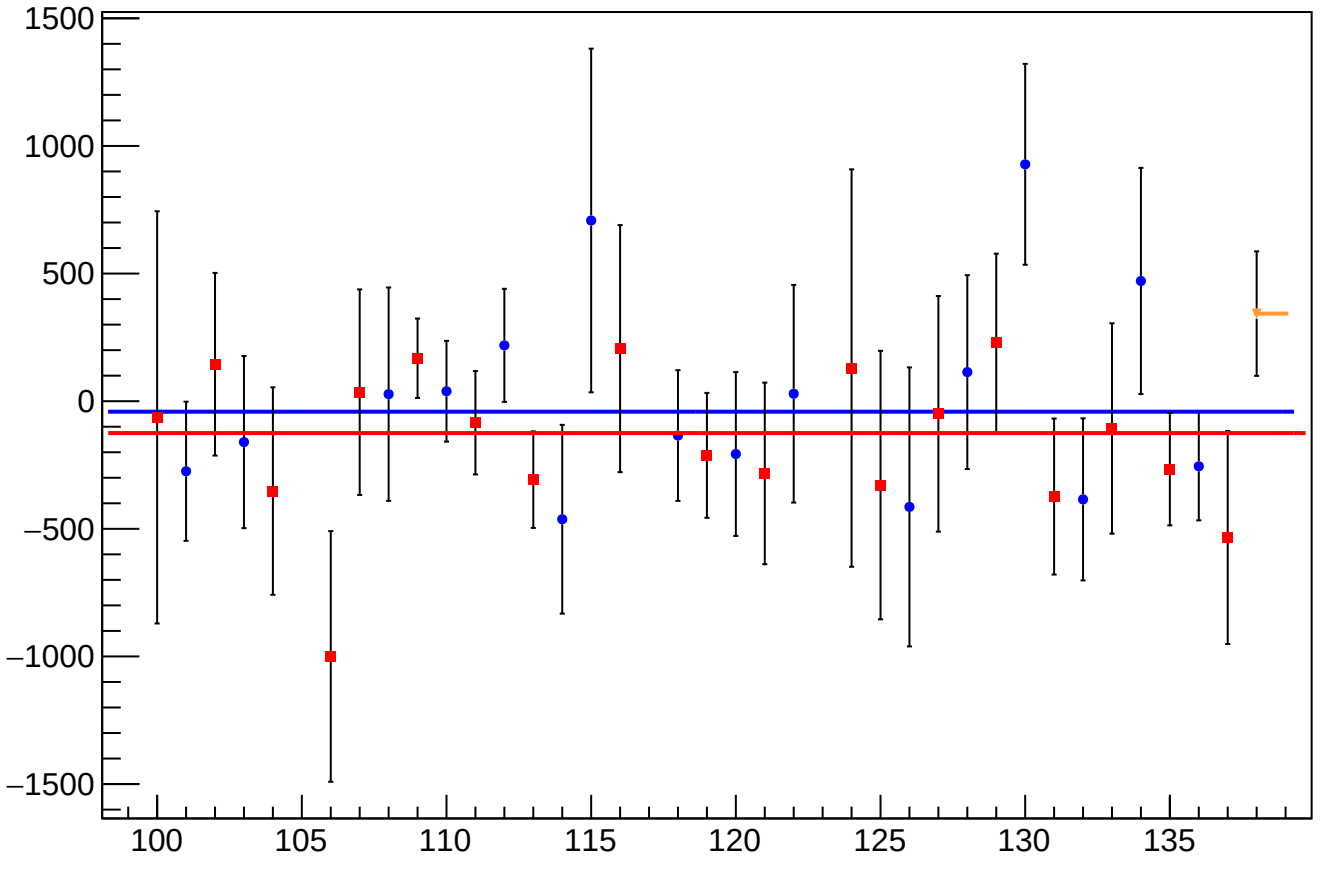
Left: 17.281+/-0.014 χ^2/NDF: 0.0/0

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.713+/-0.005 χ^2/NDF:35983.5/15

Out: 17.760+/-0.004 χ^2/NDF:34044.6/19

All: 17.738+/-0.003 χ^2/NDF: 70083.8/35



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 343.110+/-243.899 χ^2/NDF:0.0/0

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 343.110+/-243.899 χ^2/NDF: 0.0/0

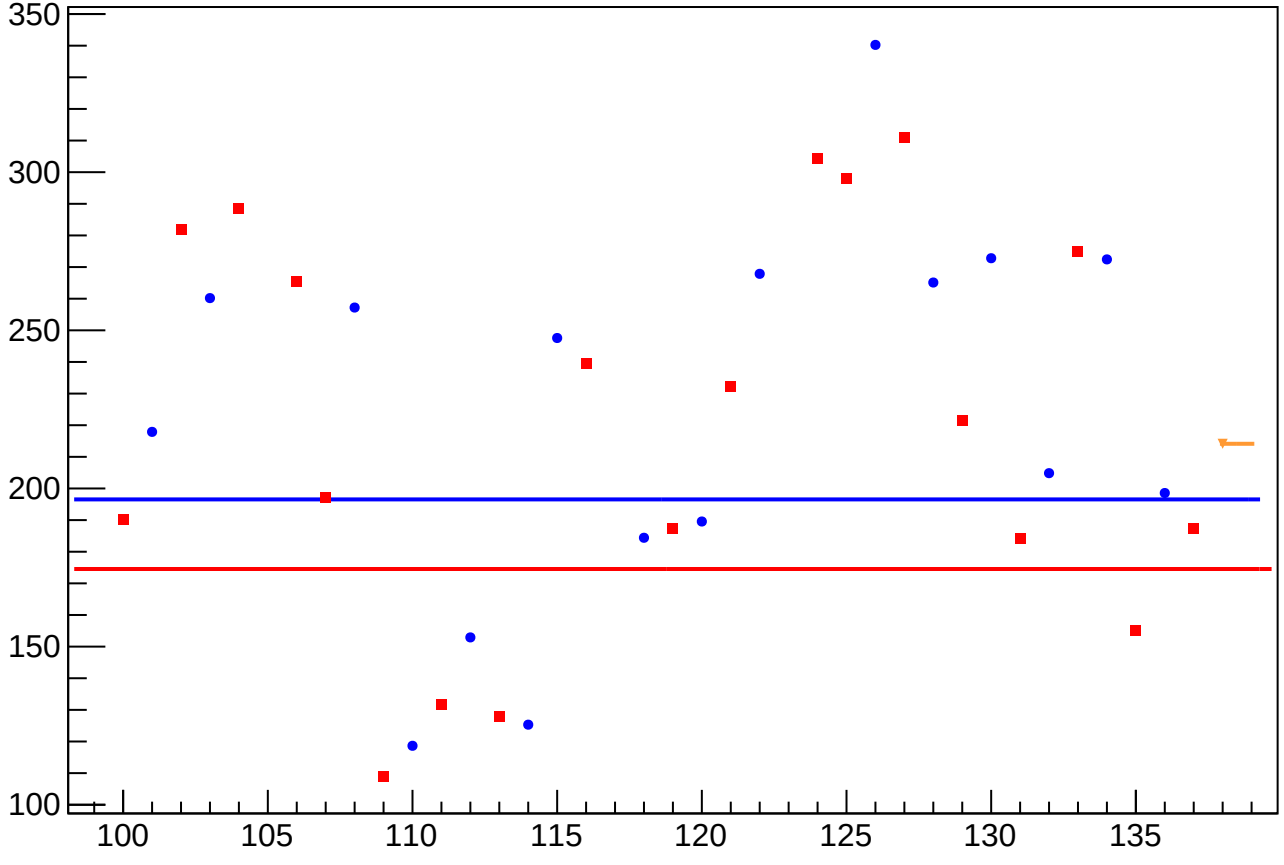
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: -41.114+/-77.139 χ^2/NDF:15.6/15

Out: -90.092+/-66.491 χ^2/NDF:16.3/19

All: -69.214+/-50.364 χ^2/NDF: 32.1/35

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: 214.128+/-0.172 χ^2/NDF:0.0/0

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

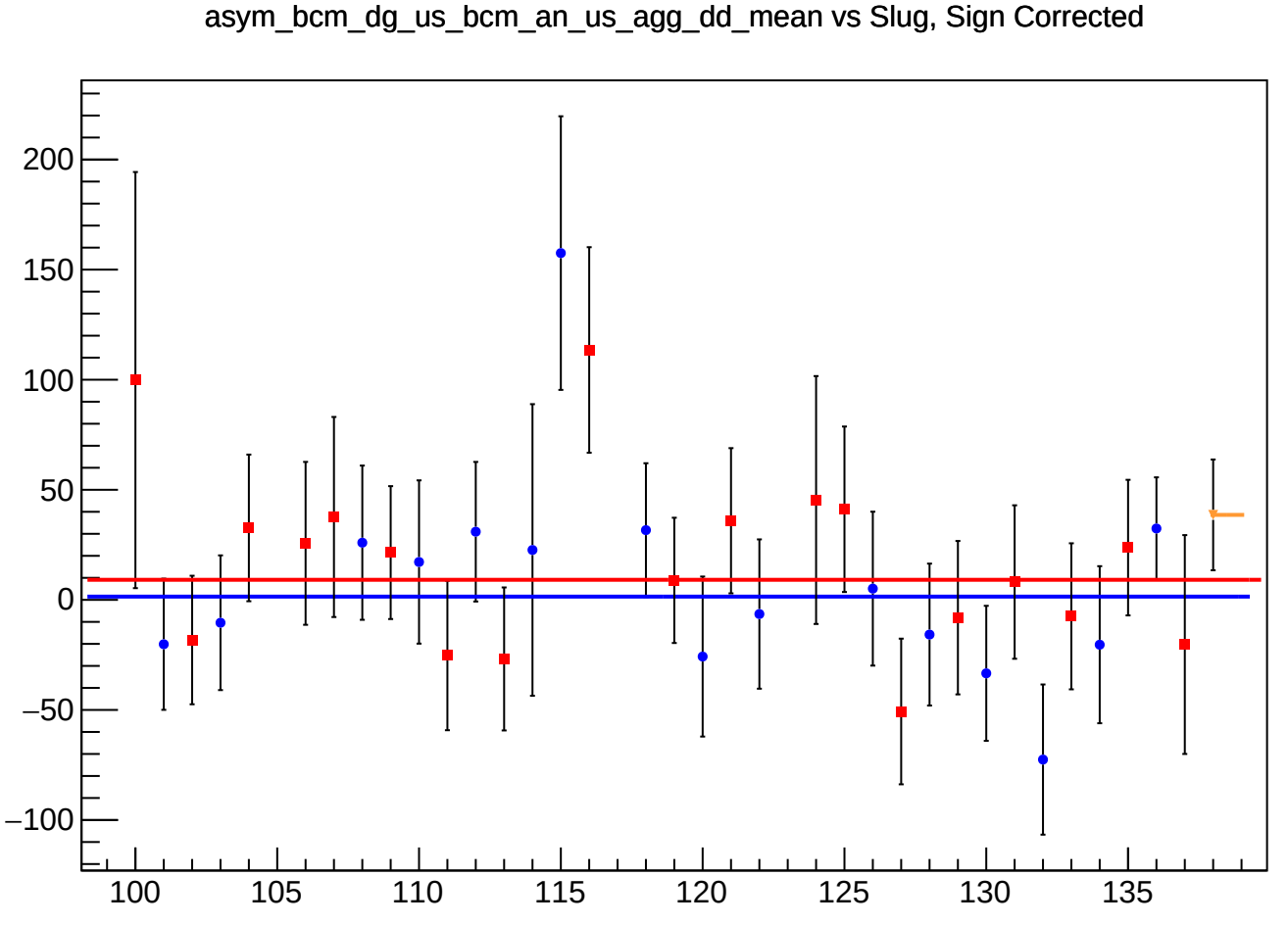
Left: 214.128+/-0.172 χ^2/NDF: 0.0/0

Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 196.542+/-0.055 χ^2/NDF:1000770.4/15

Out: 177.482+/-0.047 χ^2/NDF:1637500.4/19

All: 185.607+/-0.036 χ^2/NDF: 2708326.0/35



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 38.596+/-25.155 χ^2/NDF:0.0/0

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 38.596+/-25.155 χ^2/NDF: 0.0/0

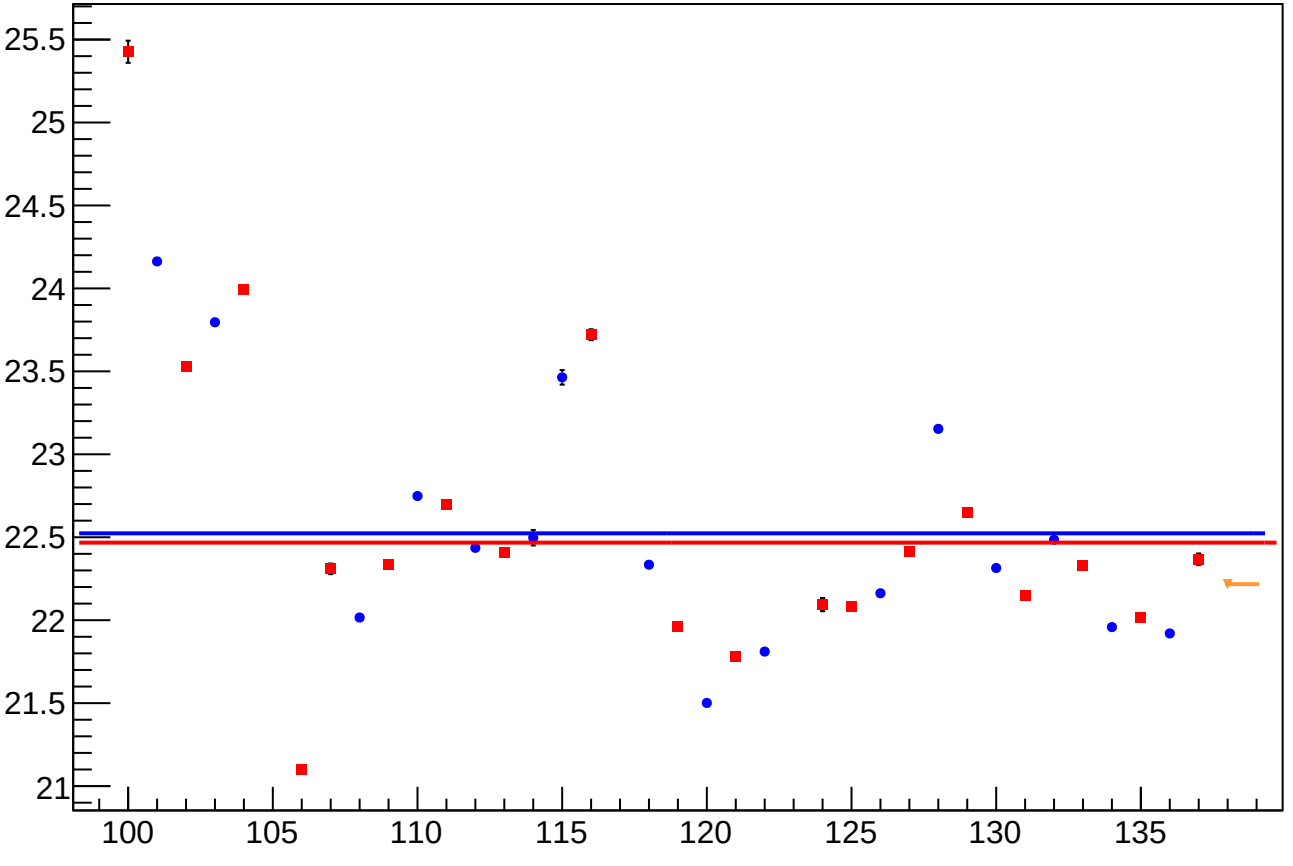
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 1.475+/-8.370 χ^2/NDF:18.7/15

Out: 11.944+/-7.794 χ^2/NDF:17.7/19

All: 7.082+/-5.704 χ^2/NDF: 37.2/35

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: 22.217+/-0.018 χ^2/NDF:0.0/0

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

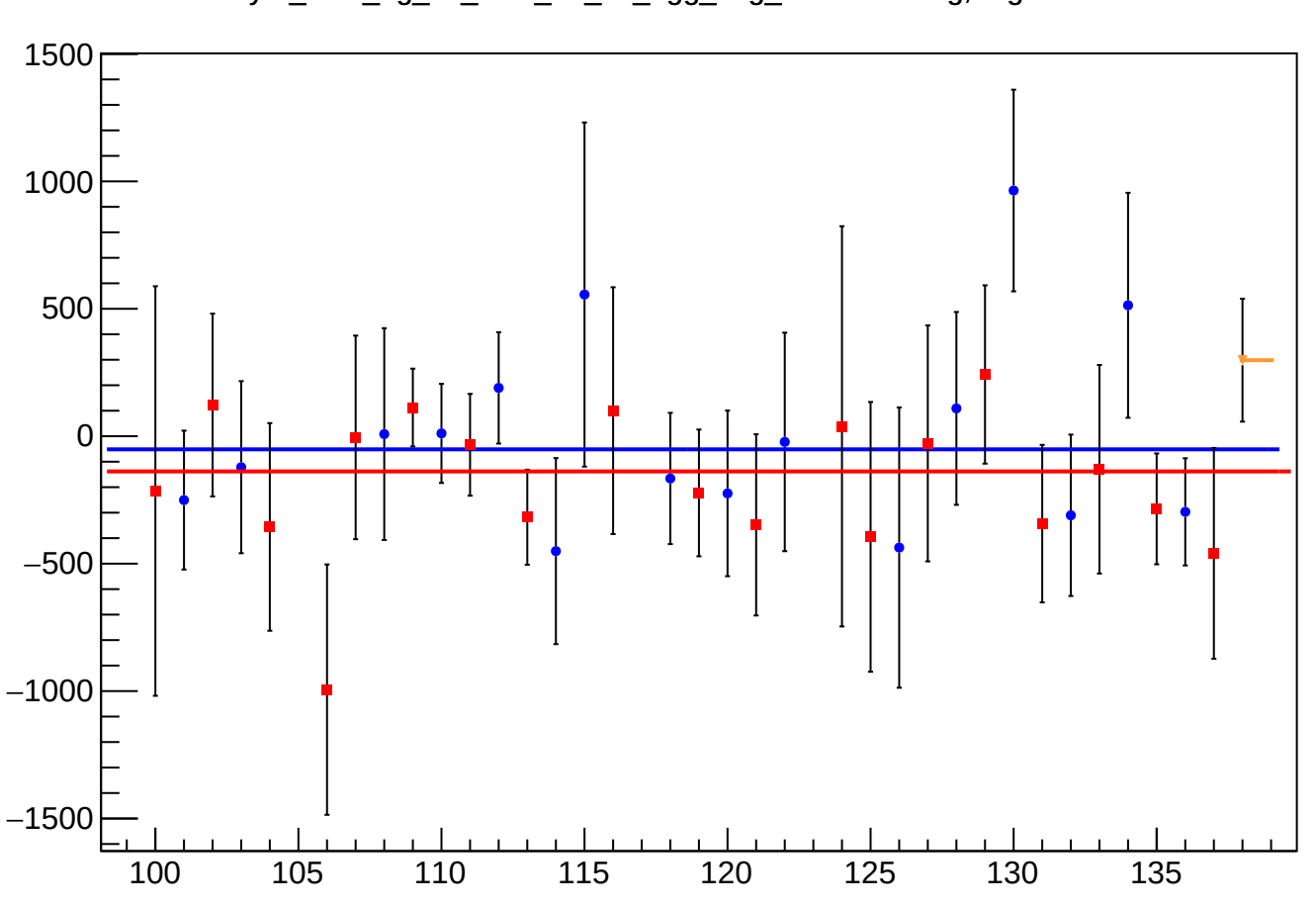
Left: 22.217+/-0.018 χ^2/NDF: 0.0/0

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.524+/-0.006 χ^2/NDF:15947.8/15

Out: 22.444+/-0.006 χ^2/NDF:15805.5/19

All: 22.481+/-0.004 χ^2/NDF: 31851.2/35



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 298.257+/-241.035 χ^2/NDF:0.0/0

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

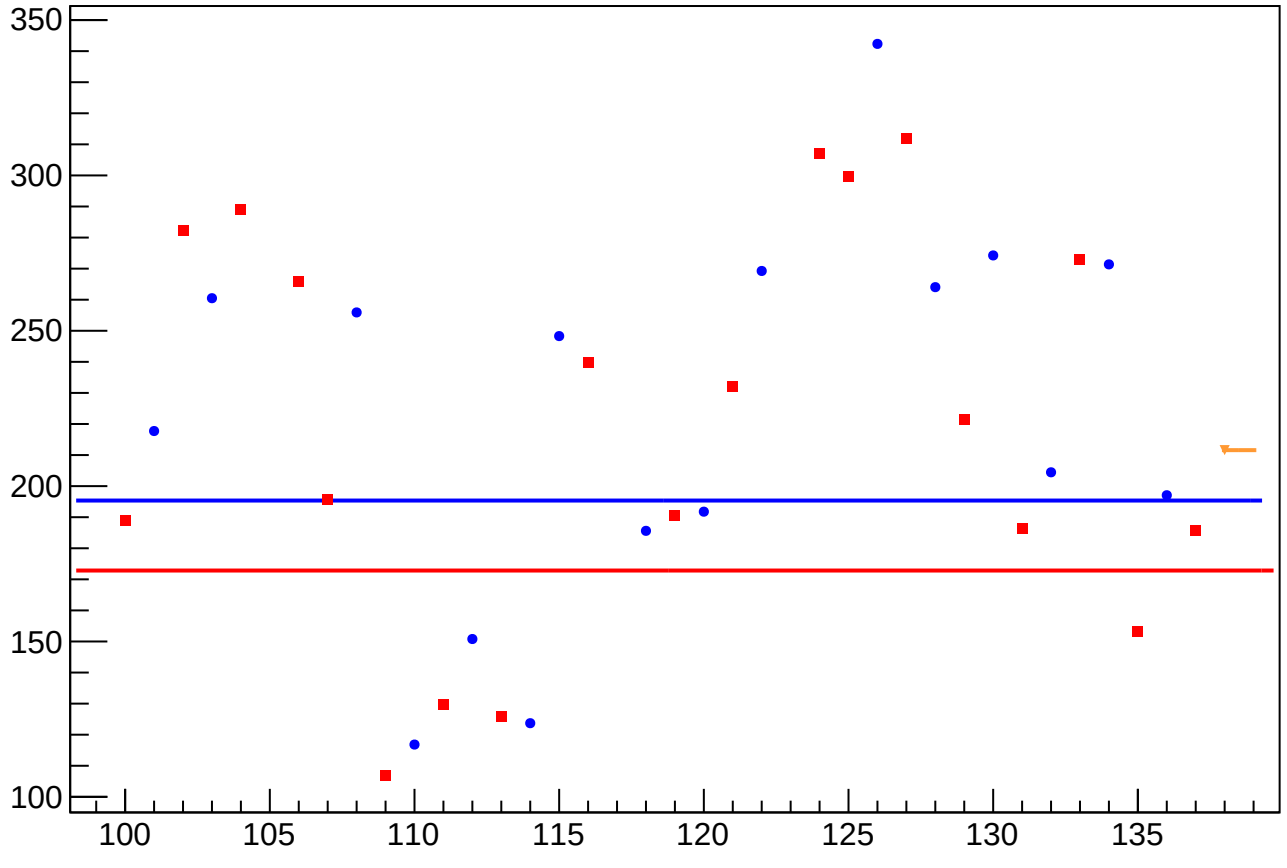
Left: 298.257+/-241.035 χ^2/NDF: 0.0/0

Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: -51.492+/-76.798 χ^2/NDF:15.3/15

Out: -105.459+/-66.002 χ^2/NDF:14.6/19

All: -82.532+/-50.056 χ^2/NDF: 30.3/35



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 211.582+/-0.170 χ^2/NDF:0.0/0

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

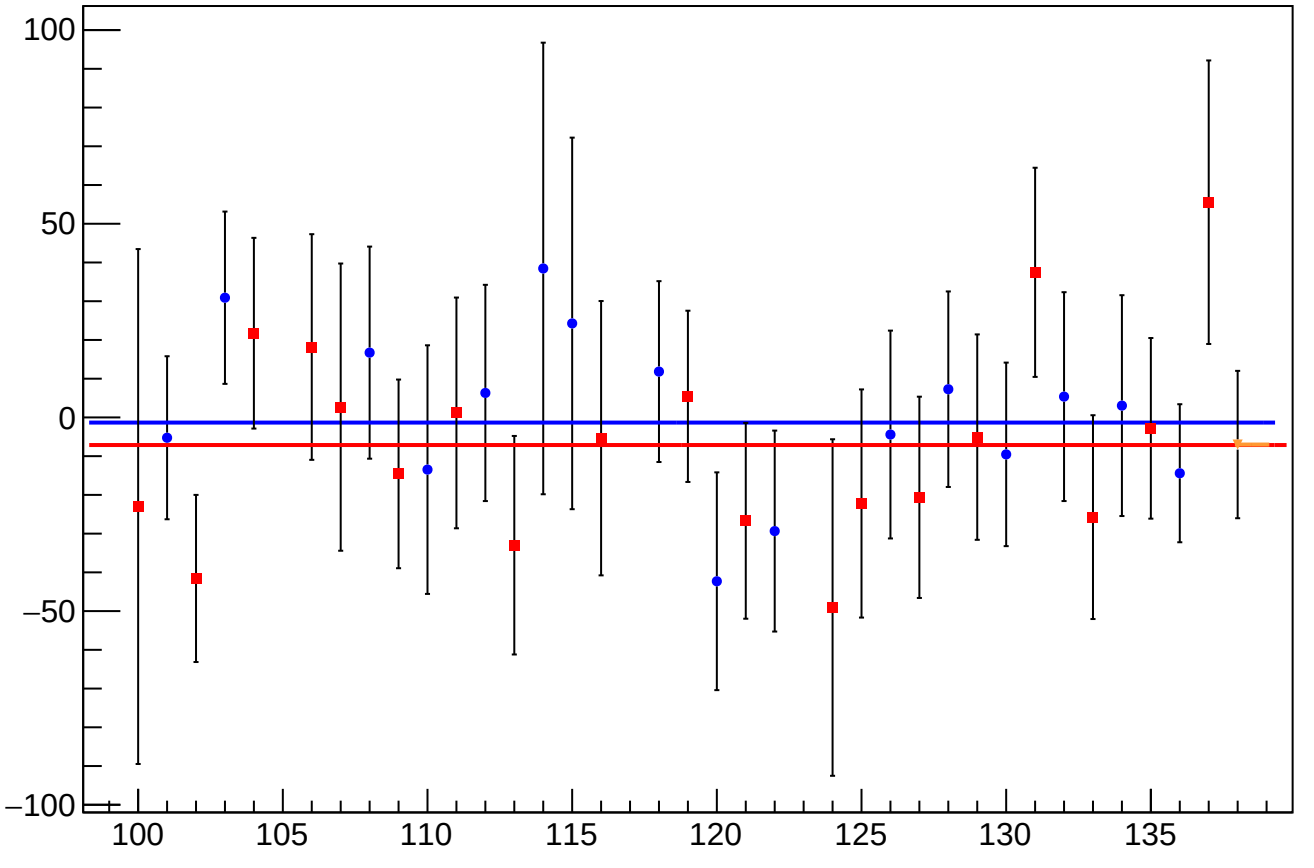
Left: 211.582+/-0.170 χ^2/NDF: 0.0/0

Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 195.361+/-0.054 χ^2/NDF:1041432.1/15

Out: 175.742+/-0.047 χ^2/NDF:1707232.5/19

All: 184.077+/-0.035 χ^2/NDF: 2823736.6/35



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -7.002+/-19.023 χ^2/NDF:0.0/0

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -7.002+/-19.023 χ^2/NDF: 0.0/0

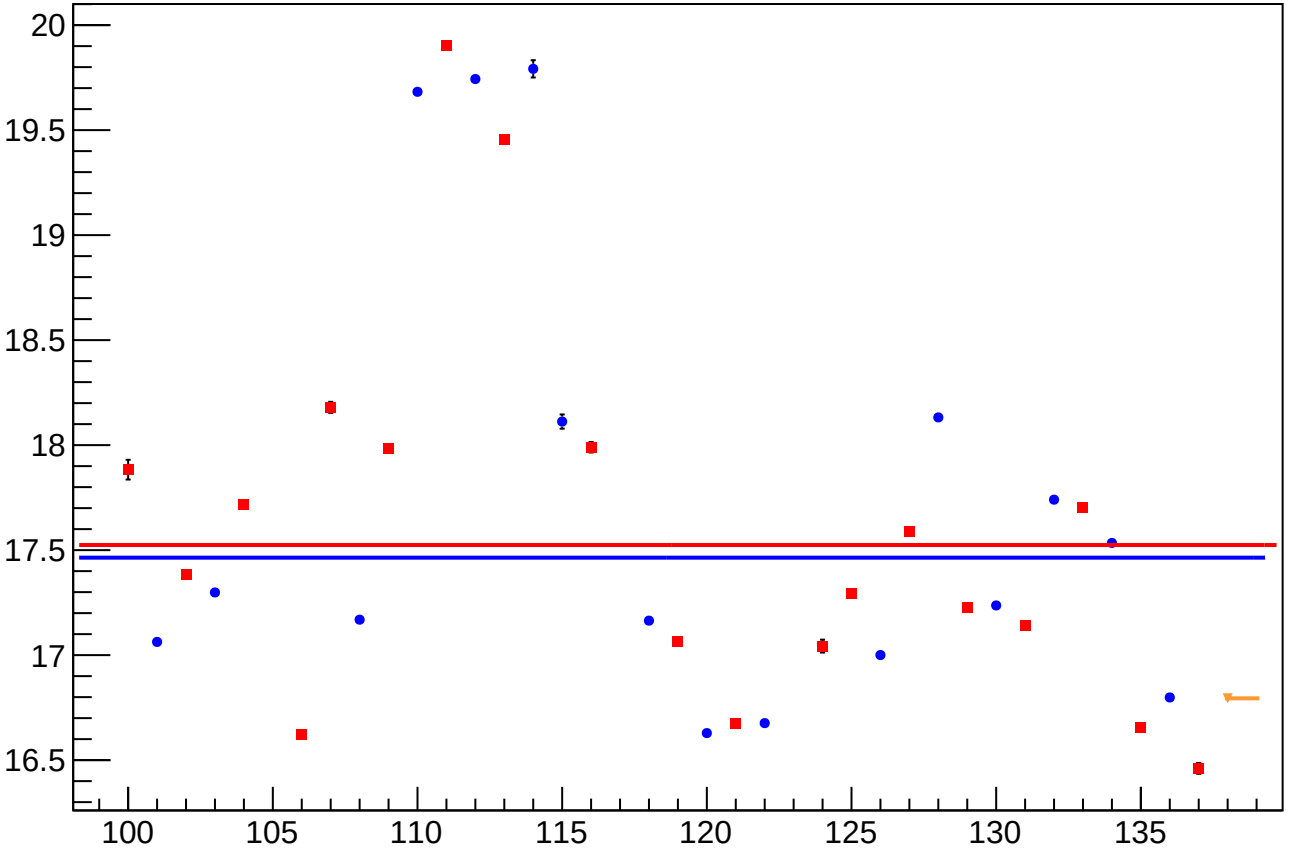
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: -1.331+/-6.499 χ^2/NDF:8.0/15

Out: -7.114+/-6.068 χ^2/NDF:14.4/19

All: -4.420+/-4.435 χ^2/NDF: 22.9/35

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: 16.794+/-0.013 χ^2/NDF:0.0/0

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

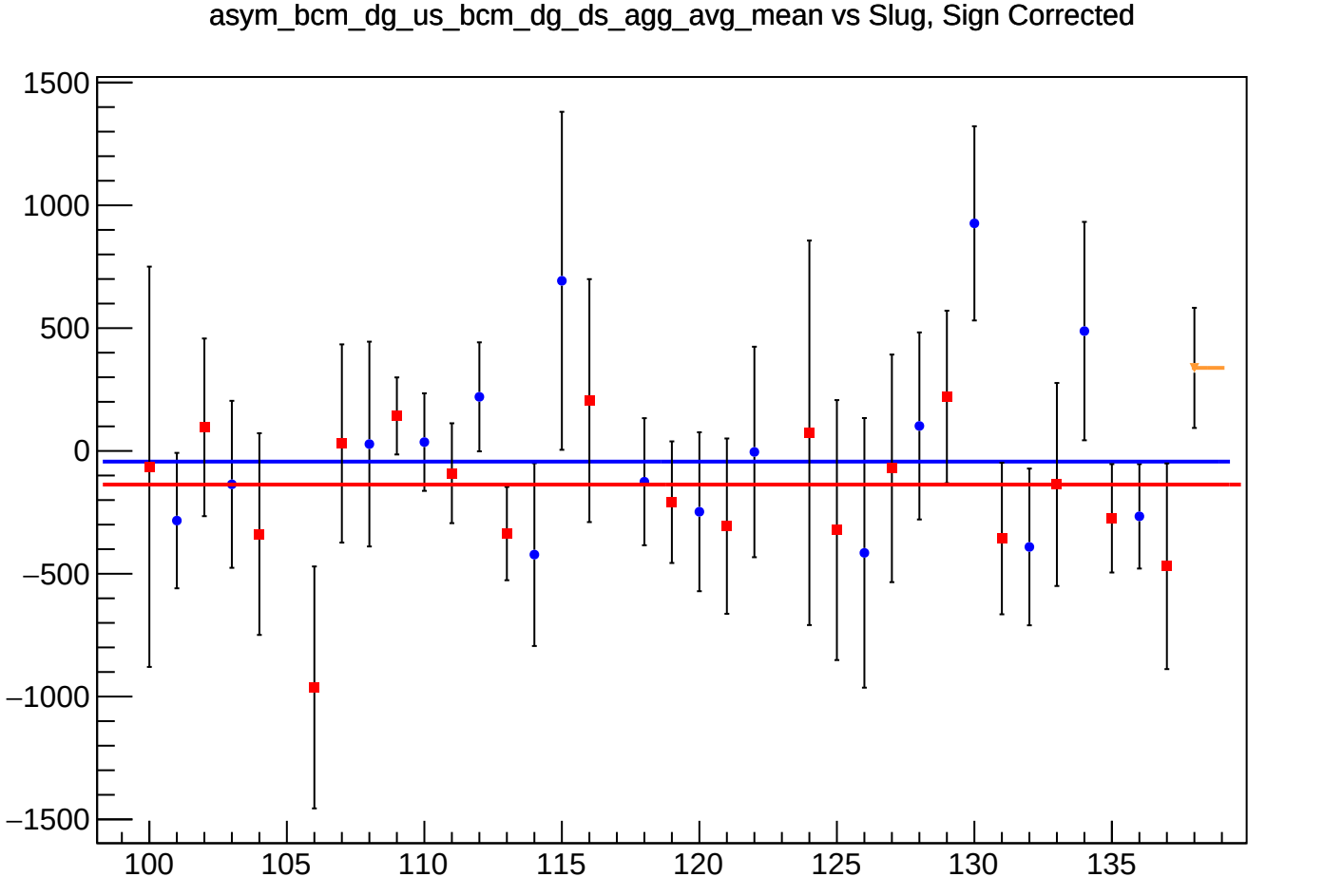
Left: 16.794+/-0.013 χ^2/NDF: 0.0/0

Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

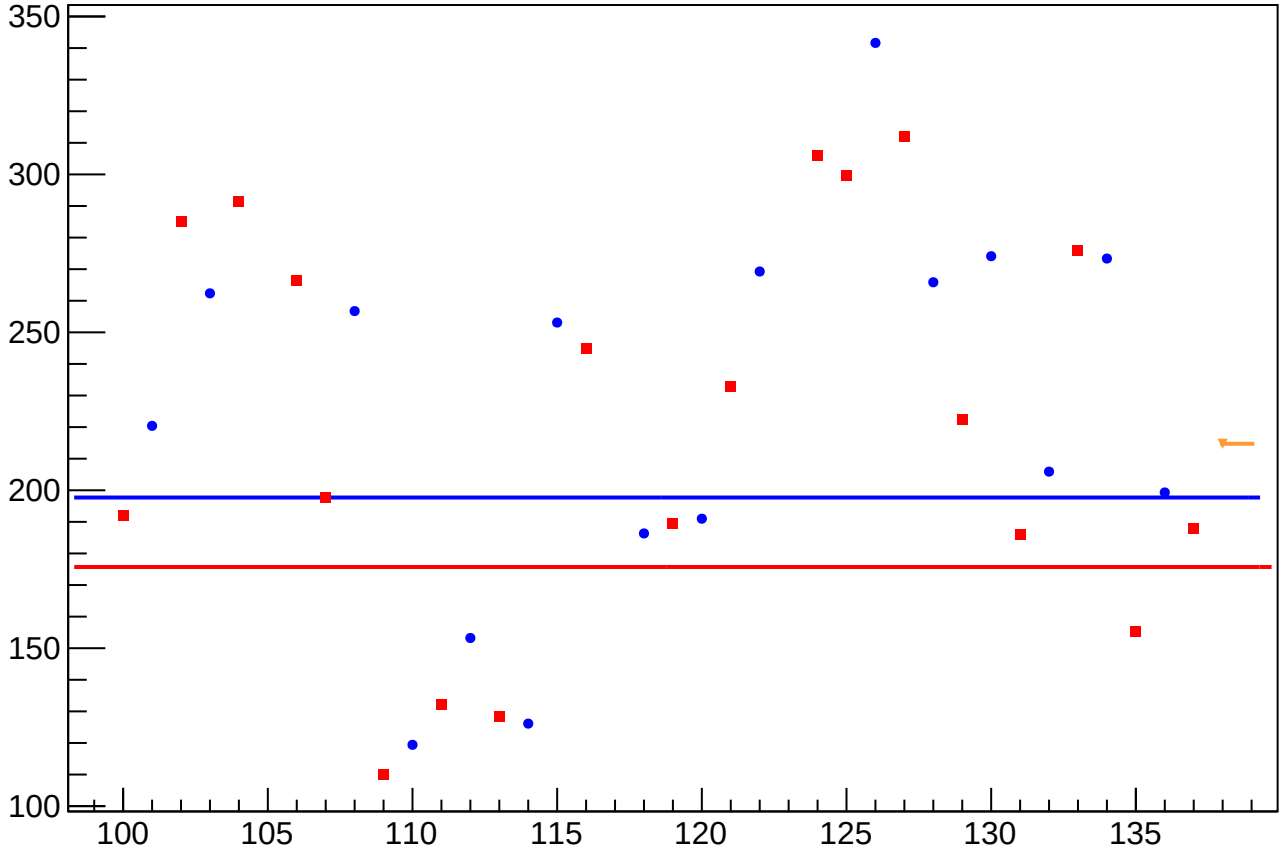
In: 17.464+/-0.005 χ^2/NDF:36650.1/15

Out: 17.450+/-0.004 χ^2/NDF:37371.6/19

All: 17.457+/-0.003 χ^2/NDF: 74026.7/35


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
105
110
115
120
125
130
135
Right In: -43.384+/-77.584 χ²/NDF: 15.5/15
Left Out: 338.188+/-244.573 χ²/NDF:0.0/0
Right Out: -136.778+/-69.557 χ²/NDF: 11.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 338.188+/-244.573 χ²/NDF: 0.0/0
Right: -95.161+/-51.790 χ²/NDF: 27.8/34
In: -43.384+/-77.584 χ²/NDF:15.5/15
Out: -101.236+/-66.904 χ²/NDF:15.0/19
All: -76.563+/-50.667 χ²/NDF: 30.8/35

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: 214.726+/-0.173 χ^2/NDF:0.0/0

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

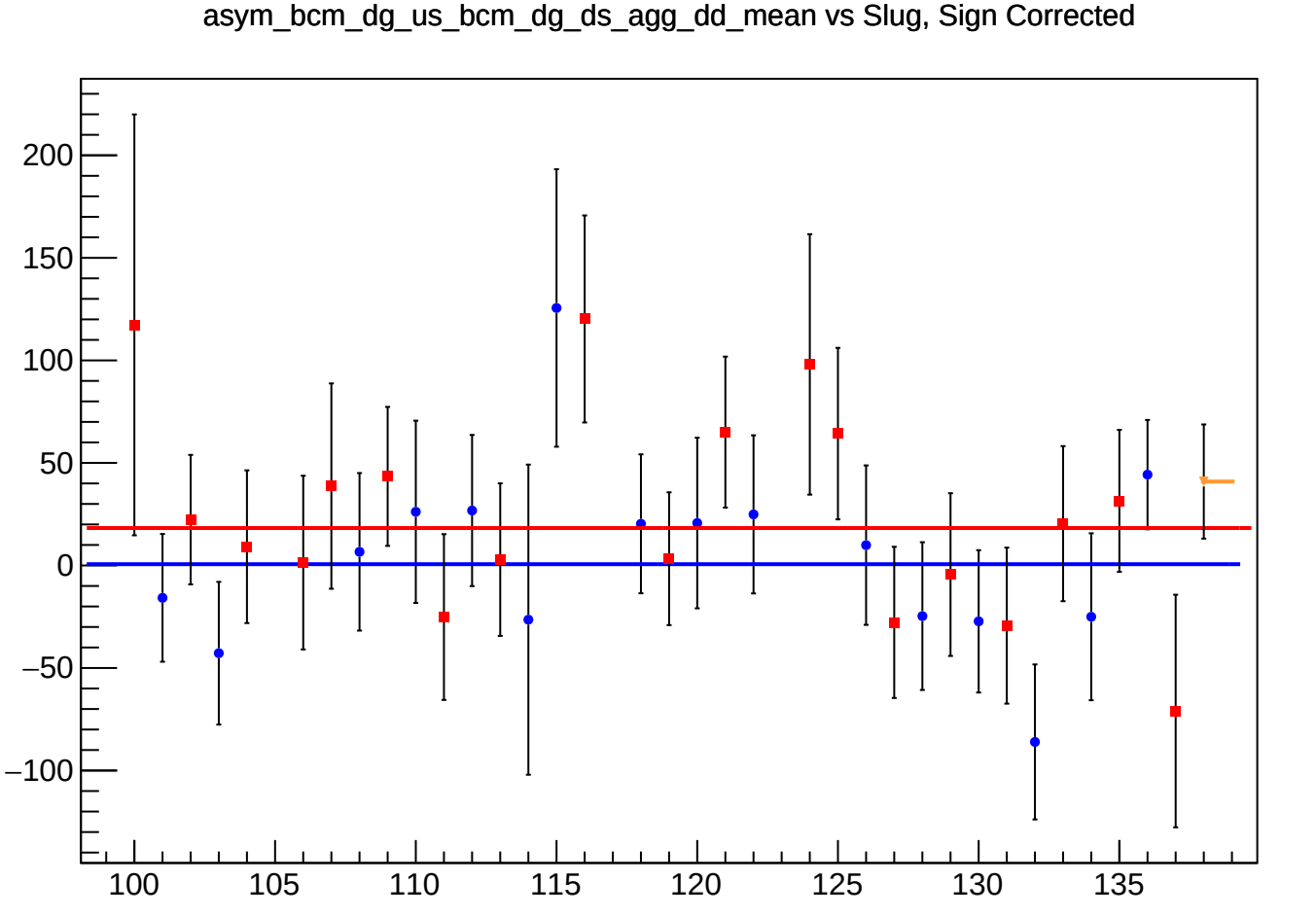
Left: 214.726+/-0.173 χ^2/NDF: 0.0/0

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 197.707+/-0.055 χ^2/NDF:1000324.6/15

Out: 178.635+/-0.047 χ^2/NDF:1637634.7/19

All: 186.769+/-0.036 χ^2/NDF: 2707277.7/35



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 40.923+/-27.843 χ^2/NDF:0.0/0

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 40.923+/-27.843 χ^2/NDF: 0.0/0

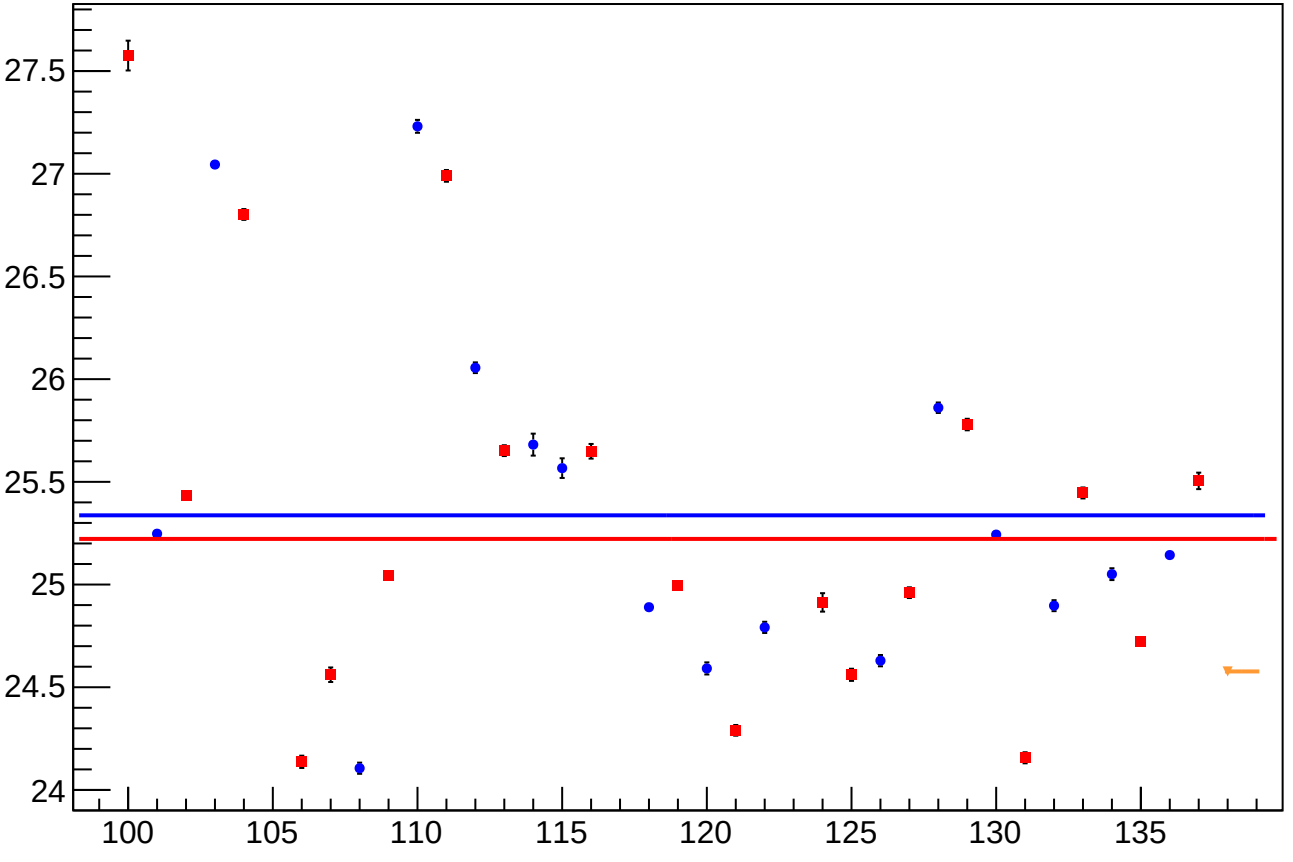
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 0.619+/-9.421 χ^2/NDF:16.7/15

Out: 20.484+/-8.743 χ^2/NDF:18.6/19

All: 11.293+/-6.409 χ^2/NDF: 37.7/35

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: 24.577+/-0.020 χ^2/NDF:0.0/0

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 24.577+/-0.020 χ^2/NDF: 0.0/0

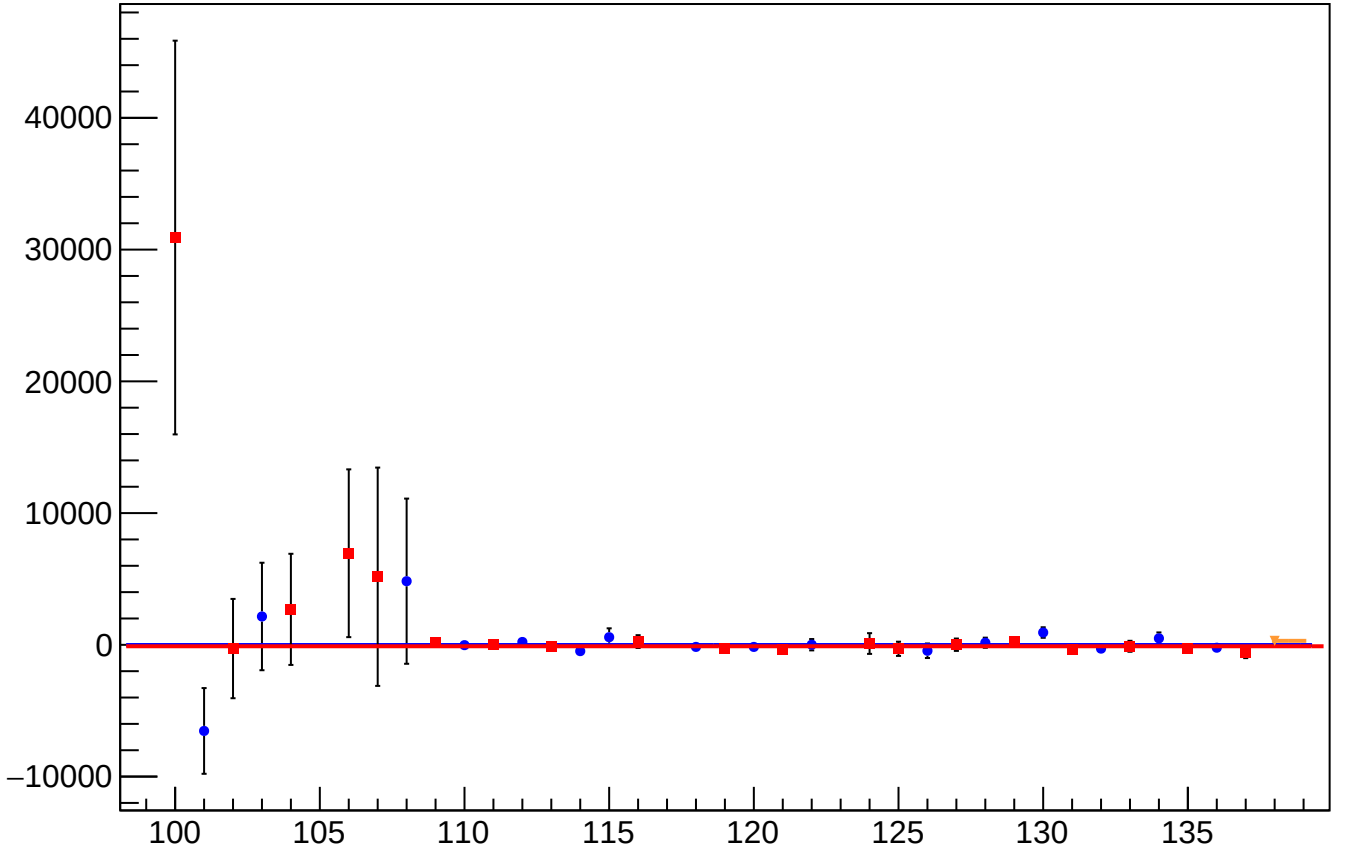
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.337+/-0.007 χ^2/NDF:14315.0/15

Out: 25.159+/-0.006 χ^2/NDF:16192.6/19

All: 25.241+/-0.005 χ^2/NDF: 30893.2/35

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: 302.754+/-240.496 χ^2/NDF:0.0/0

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 302.754+/-240.496 χ^2/NDF: 0.0/0

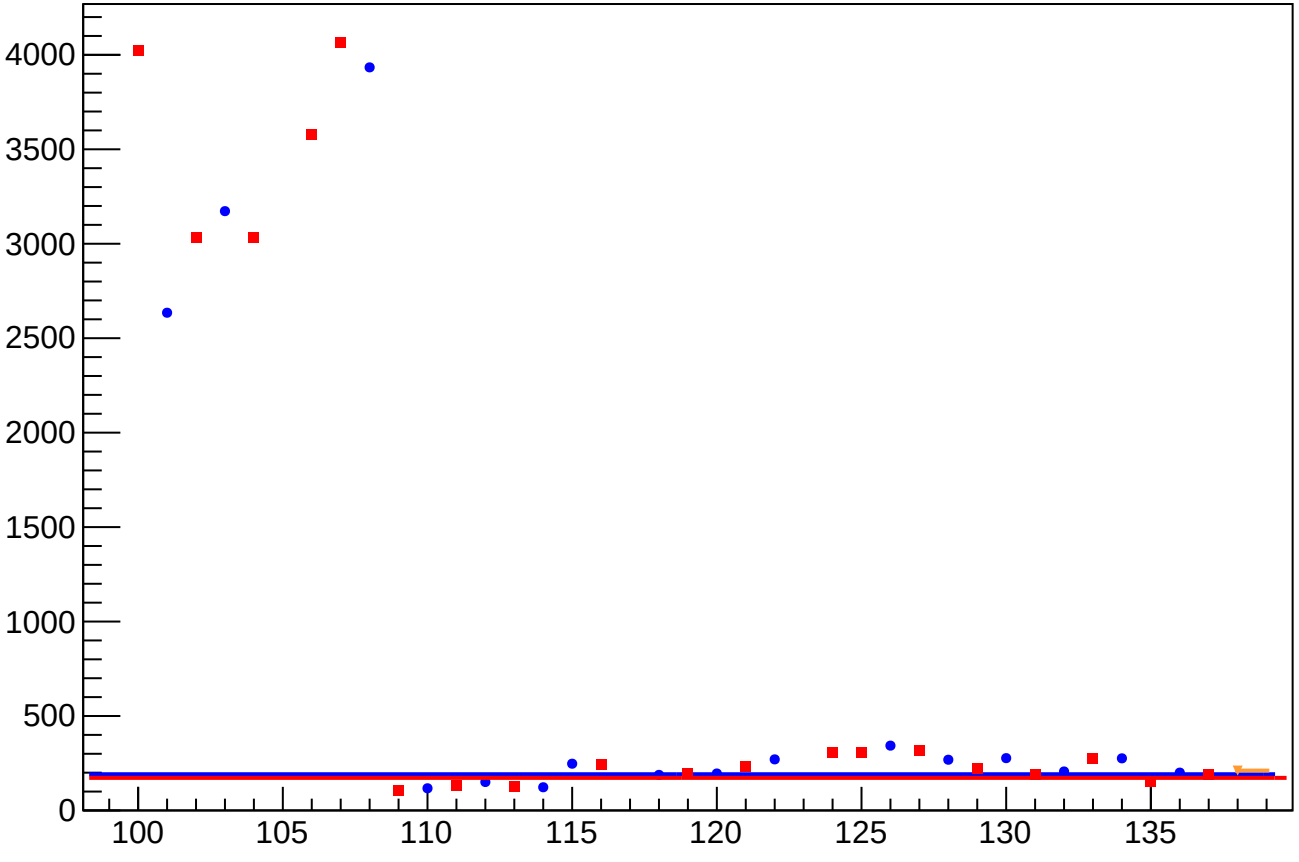
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: -15.450+/-84.701 χ^2/NDF:18.3/15

Out: -69.562+/-74.280 χ^2/NDF:16.7/19

All: -46.038+/-55.847 χ^2/NDF: 35.2/35

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: 210.923+/-0.170 χ^2/NDF:0.0/0

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 210.923+/-0.170 χ^2/NDF: 0.0/0

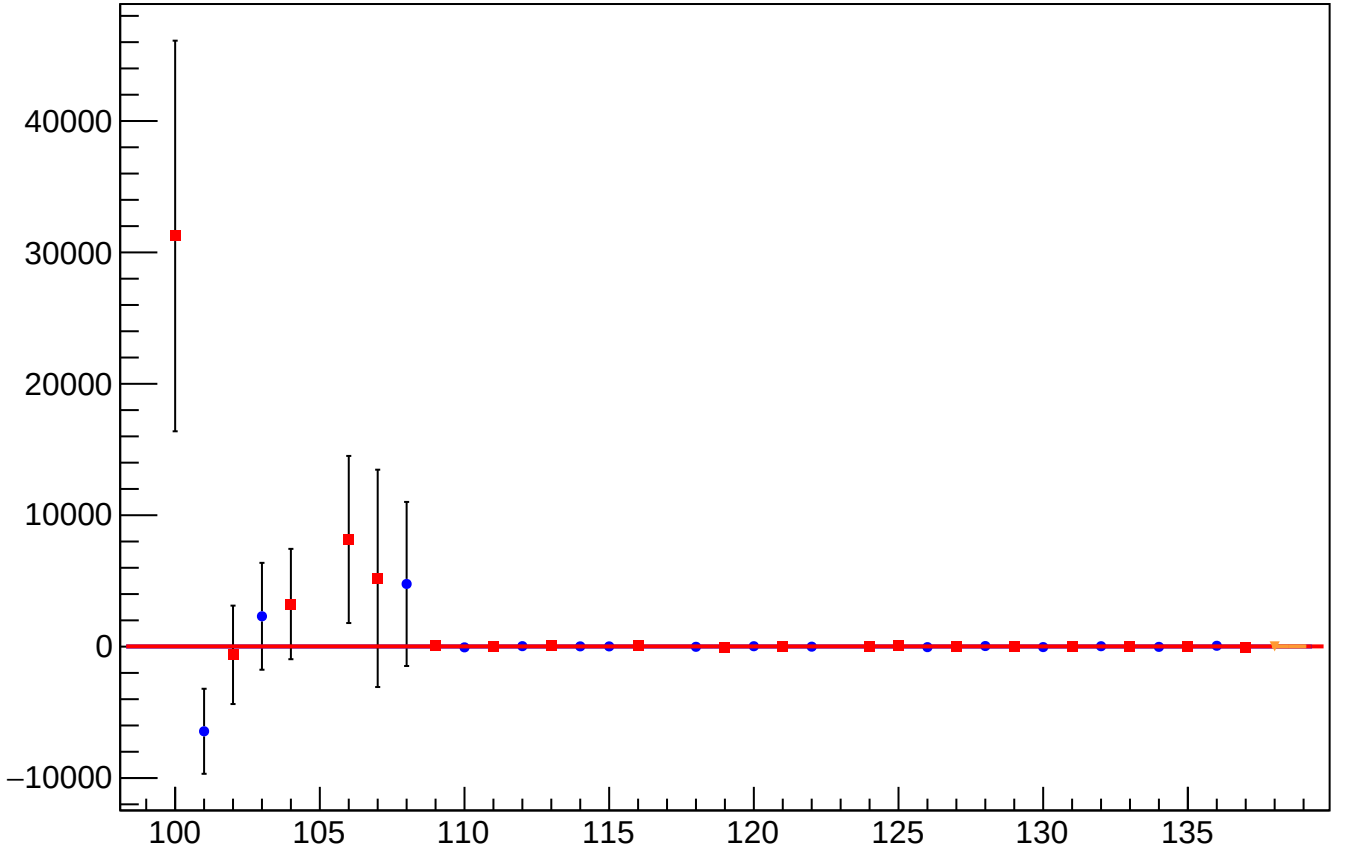
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 191.736+/-0.060 χ^2/NDF:3821804.2/15

Out: 176.131+/-0.053 χ^2/NDF:4349400.7/19

All: 182.915+/-0.039 χ^2/NDF: 8209575.4/35

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: 19.149+/-31.604 χ^2/NDF:0.0/0

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 19.149+/-31.604 χ^2/NDF: 0.0/0

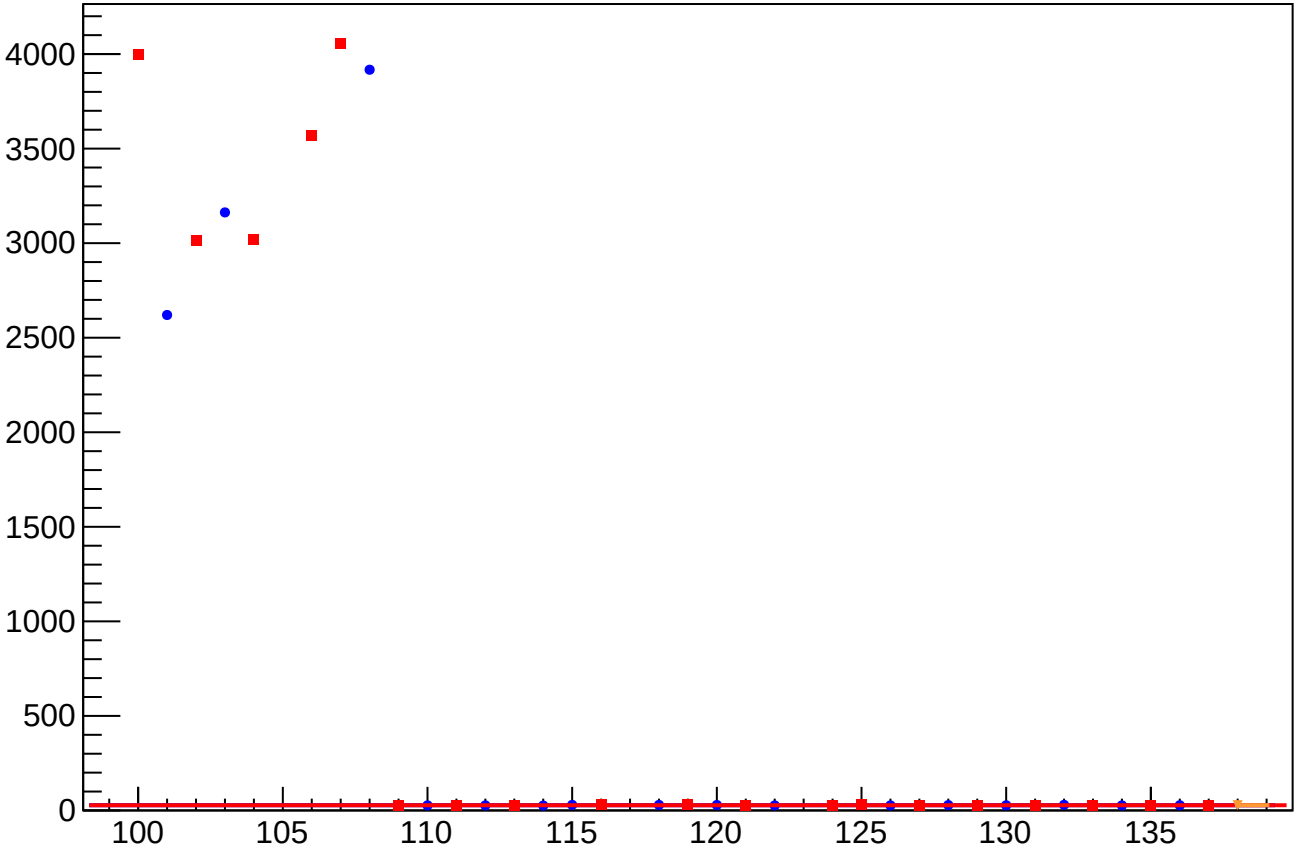
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 9.576+/-11.685 χ^2/NDF:16.0/15

Out: 18.233+/-11.059 χ^2/NDF:24.8/19

All: 14.143+/-8.032 χ^2/NDF: 41.1/35

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: 27.876+/-0.022 χ^2/NDF:0.0/0

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 27.876+/-0.022 χ^2/NDF: 0.0/0

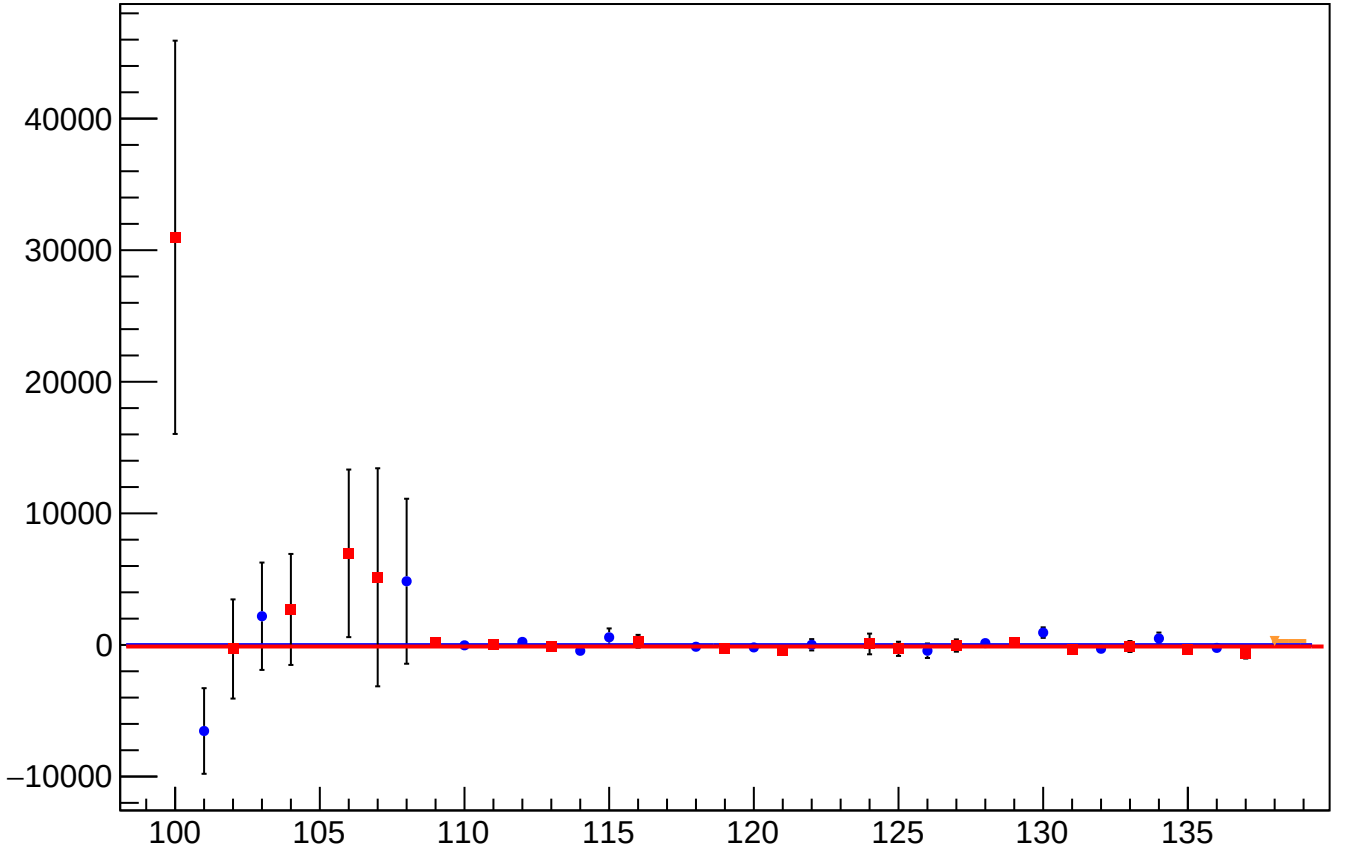
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 27.642+/-0.008 χ^2/NDF:3265498.5/15

Out: 27.576+/-0.008 χ^2/NDF:3555434.7/19

All: 27.607+/-0.006 χ^2/NDF: 6820965.9/35

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: 300.873+/-239.843 χ^2/NDF:0.0/0

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 300.873+/-239.843 χ^2/NDF: 0.0/0

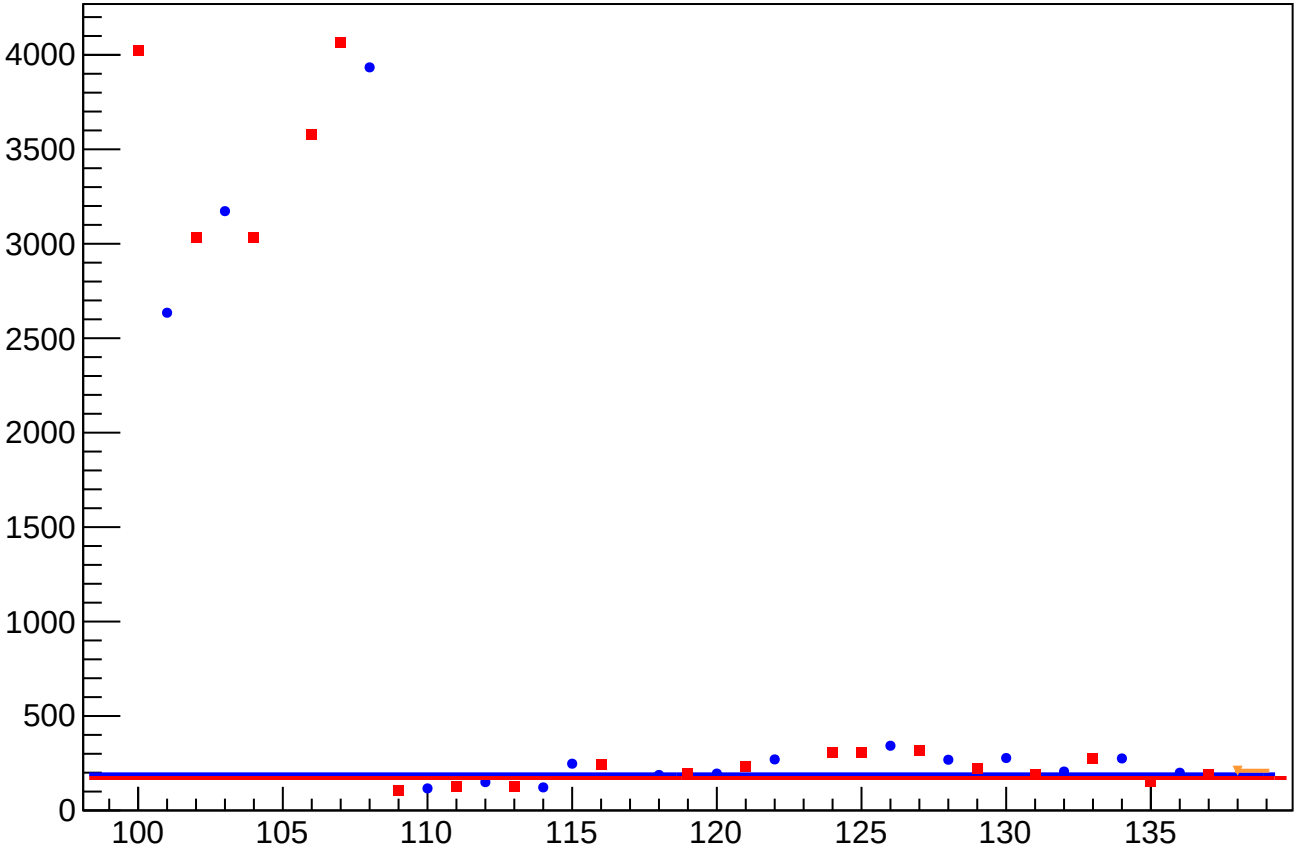
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: -13.160+/-84.454 χ^2/NDF:18.3/15

Out: -78.121+/-74.058 χ^2/NDF:17.2/19

All: -49.883+/-55.682 χ^2/NDF: 35.9/35

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 210.354+/-0.170 χ^2/NDF:0.0/0

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

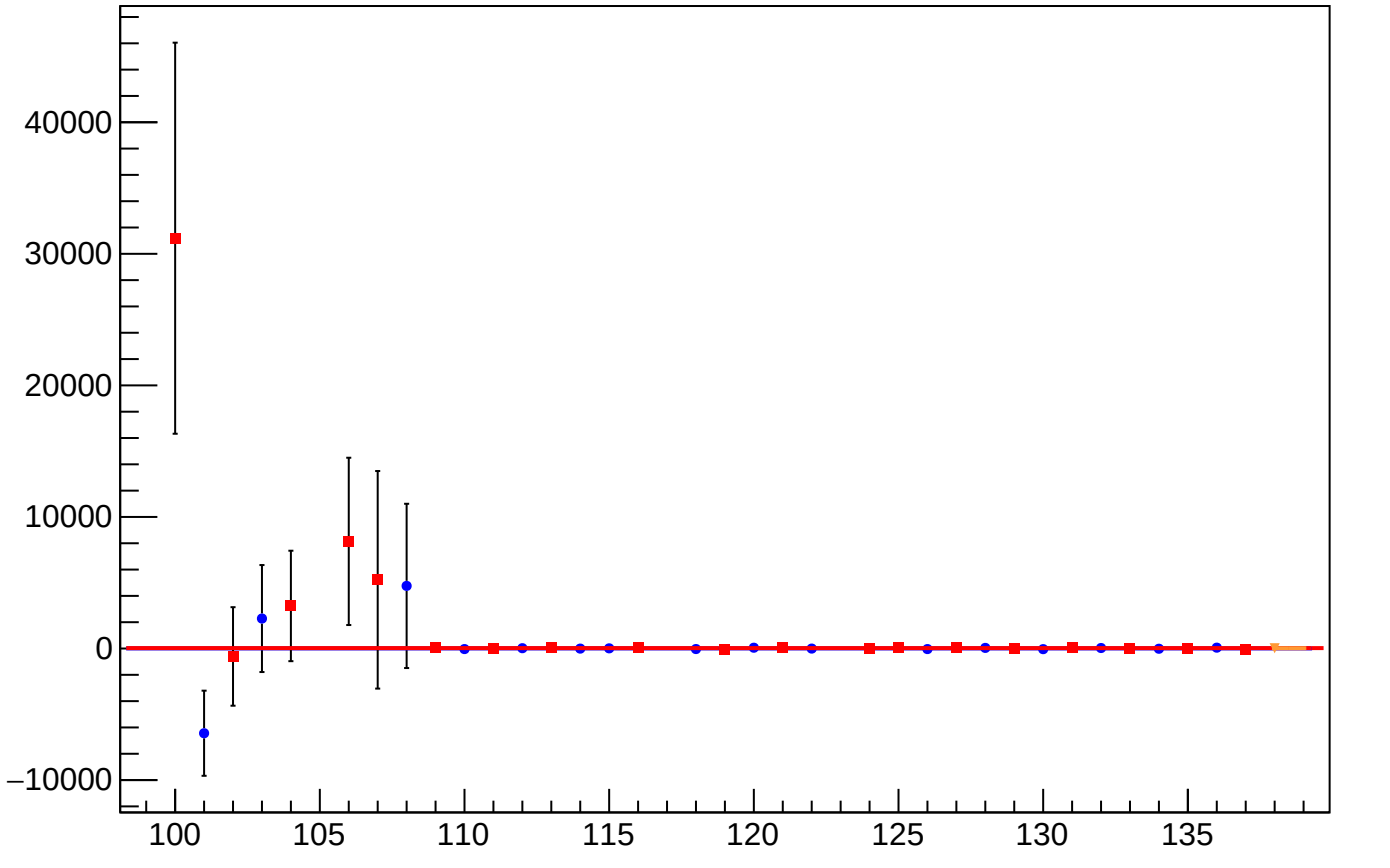
Left: 210.354+/-0.170 χ^2/NDF: 0.0/0

Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 191.070+/-0.060 χ^2/NDF:3833952.4/15

Out: 175.508+/-0.052 χ^2/NDF:4361389.6/19

All: 182.272+/-0.039 χ^2/NDF: 8233731.9/35



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: 19.896+/-31.961 χ^2/NDF:0.0/0

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 19.896+/-31.961 χ^2/NDF: 0.0/0

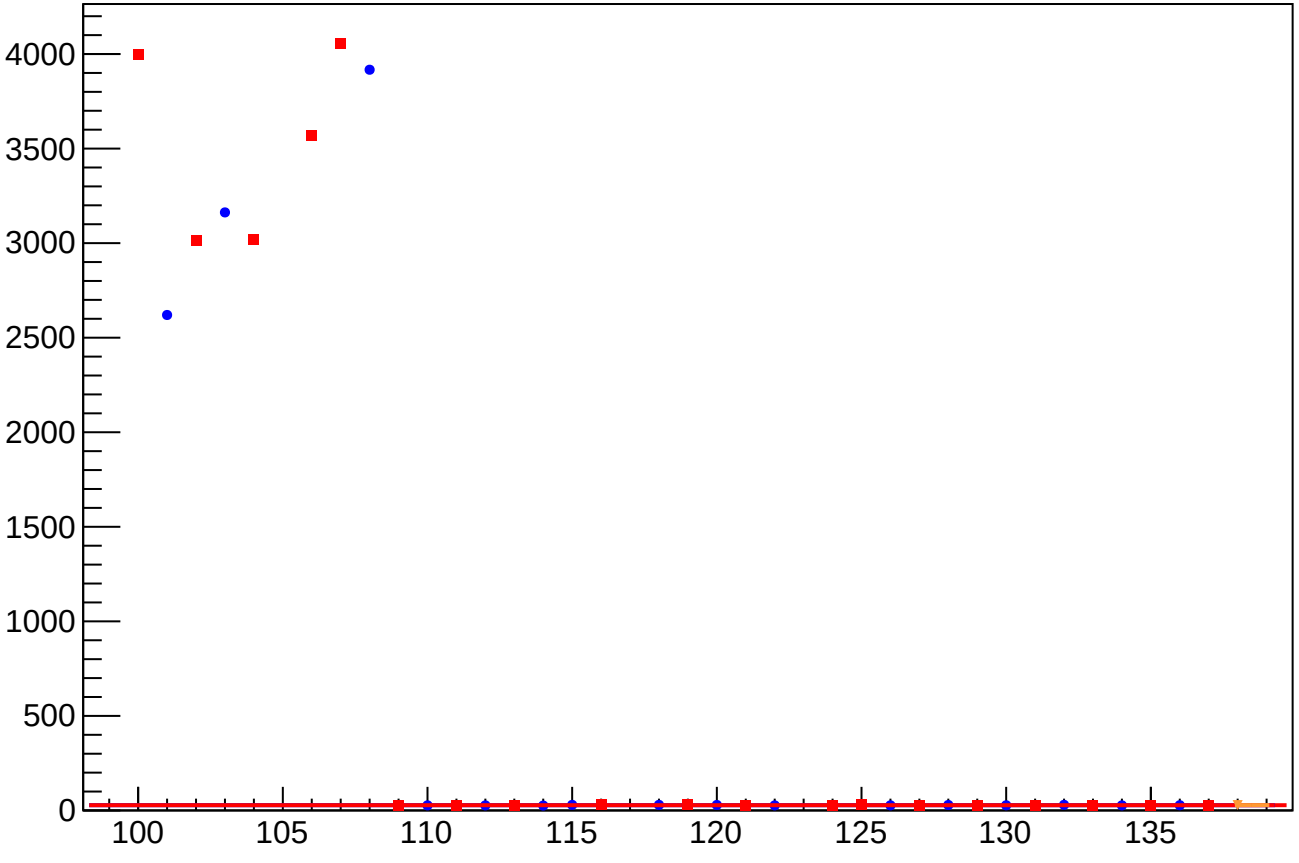
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 6.490+/-11.764 χ^2/NDF:18.3/15

Out: 29.614+/-11.153 χ^2/NDF:20.0/19

All: 18.668+/-8.094 χ^2/NDF: 40.3/35

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: 28.189+/-0.023 χ^2/NDF:0.0/0

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 28.189+/-0.023 χ^2/NDF: 0.0/0

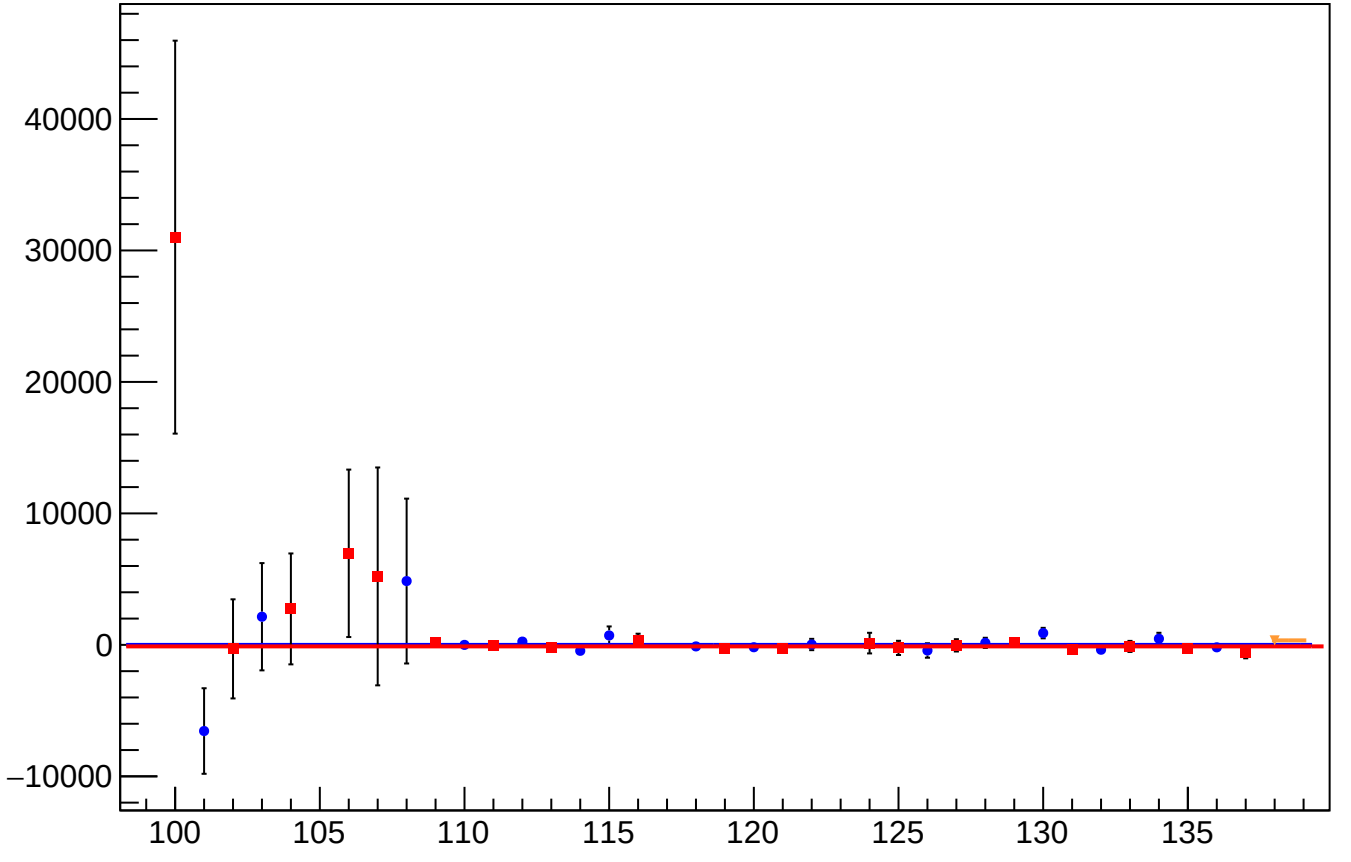
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 27.825+/-0.008 χ^2/NDF:3265895.3/15

Out: 27.807+/-0.008 χ^2/NDF:3559003.5/19

All: 27.815+/-0.006 χ^2/NDF: 6824901.3/35

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: 341.428+/-243.874 χ^2/NDF:0.0/0

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

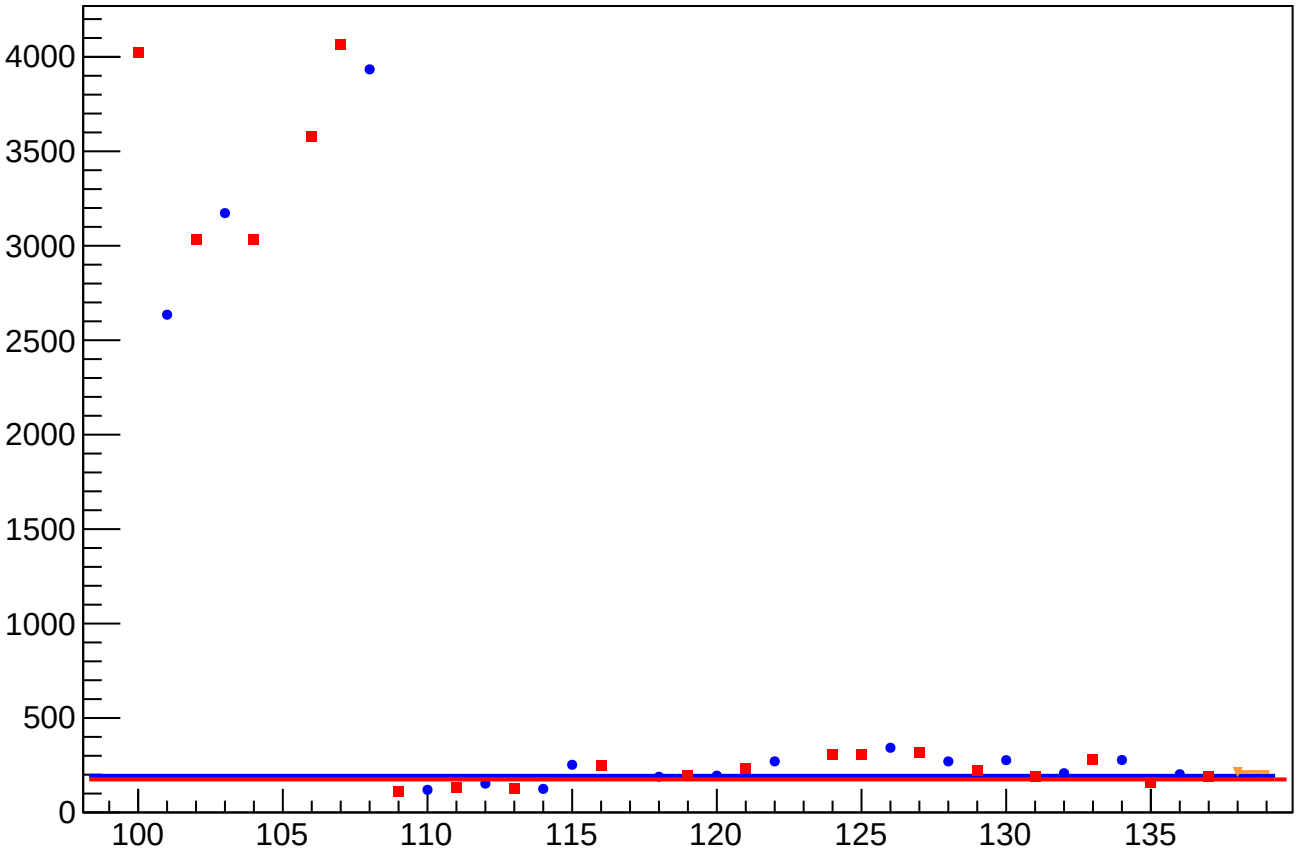
Left: 341.428+/-243.874 χ^2/NDF: 0.0/0

Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: -2.795+/-85.508 χ^2/NDF:18.2/15

Out: -72.382+/-75.114 χ^2/NDF:17.0/19

All: -42.073+/-56.433 χ^2/NDF: 35.6/35



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 213.918+/-0.172 χ^2/NDF:0.0/0

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 213.918+/-0.172 χ^2/NDF: 0.0/0

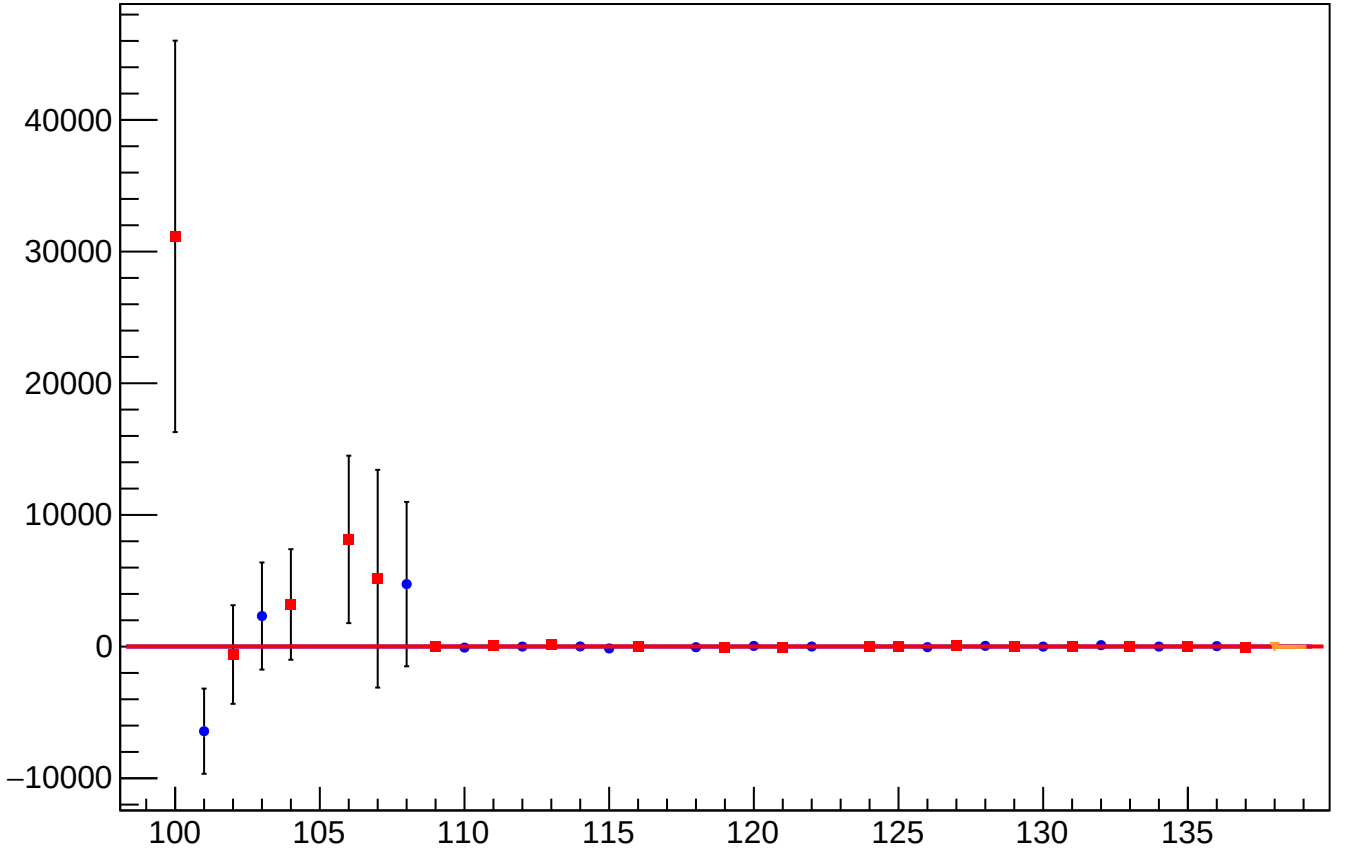
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 193.946+/-0.060 χ^2/NDF:3784467.5/15

Out: 178.492+/-0.053 χ^2/NDF:4305948.5/19

All: 185.224+/-0.040 χ^2/NDF: 8127289.4/35

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: -24.171+/-38.393 χ^2/NDF:0.0/0

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -24.171+/-38.393 χ^2/NDF: 0.0/0

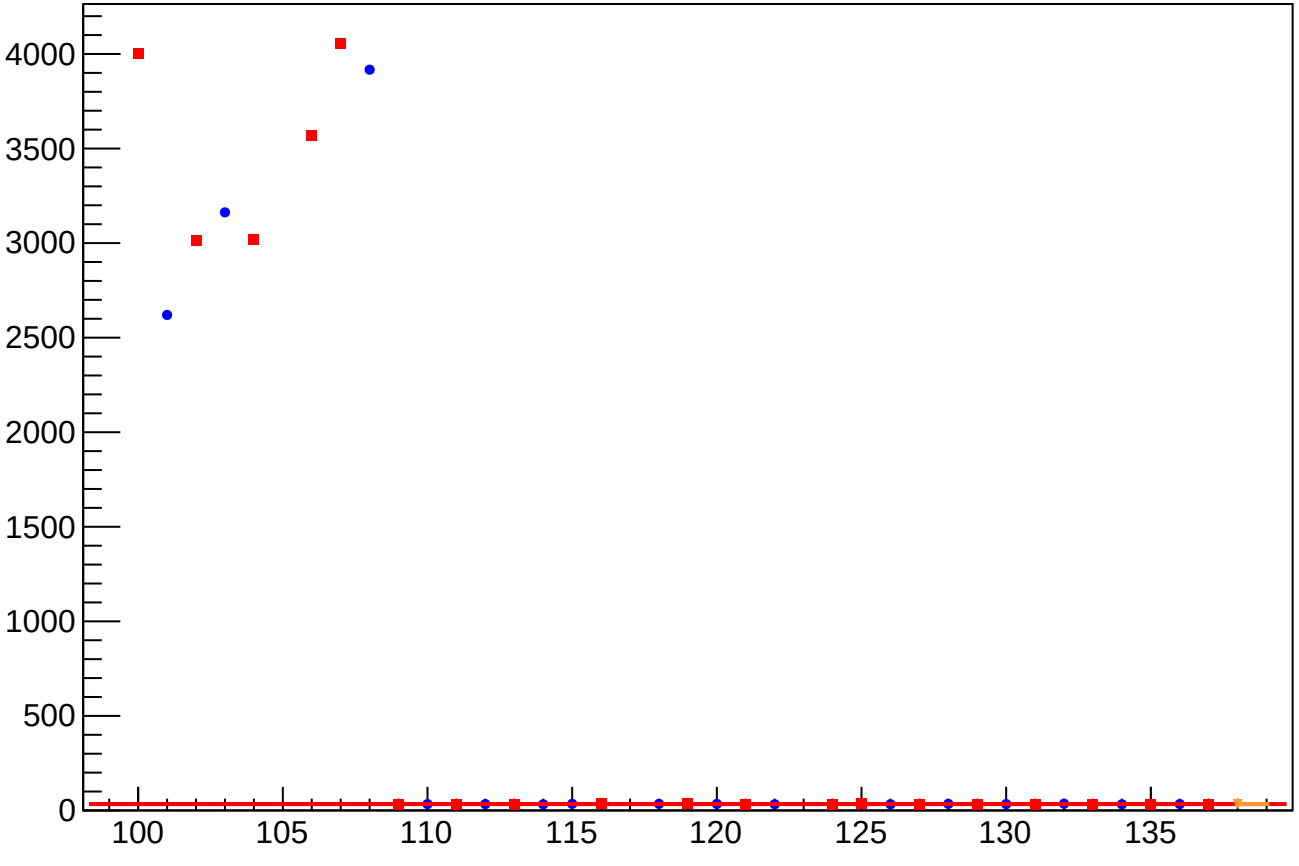
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 5.660+/-14.306 χ^2/NDF:17.5/15

Out: 5.772+/-13.510 χ^2/NDF:24.1/19

All: 5.719+/-9.822 χ^2/NDF: 41.6/35

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: 33.880+/-0.027 χ^2/NDF:0.0/0

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 33.880+/-0.027 χ^2/NDF: 0.0/0

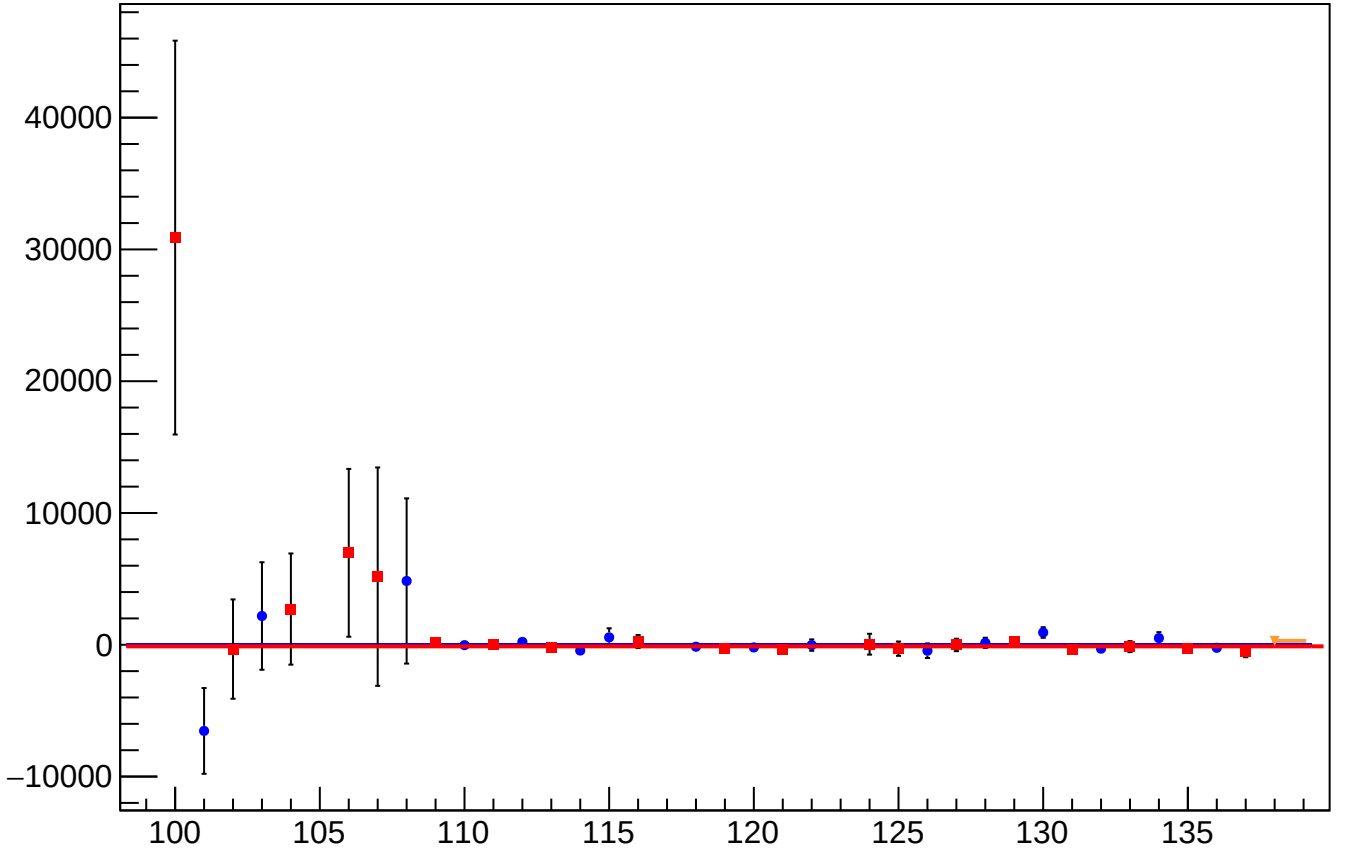
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 33.899+/-0.010 χ^2/NDF:3244382.4/15

Out: 33.745+/-0.010 χ^2/NDF:3526492.0/19

All: 33.818+/-0.007 χ^2/NDF: 6770997.4/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 296.035+/-241.036 χ^2/NDF:0.0/0

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 296.035+/-241.036 χ^2/NDF: 0.0/0

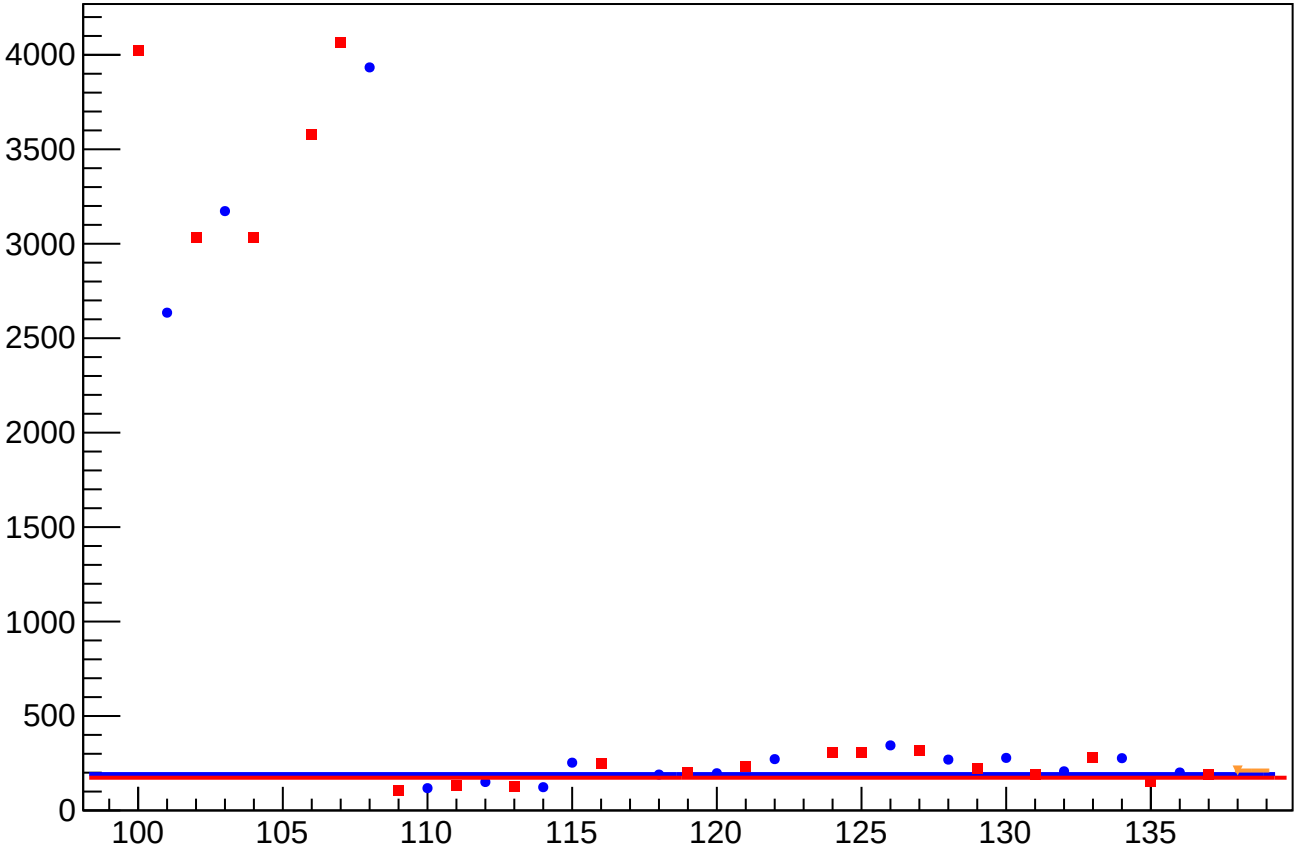
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: -19.522+/-85.063 χ^2/NDF:18.2/15

Out: -80.076+/-74.603 χ^2/NDF:16.0/19

All: -53.749+/-56.088 χ^2/NDF: 34.4/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 211.402+/-0.170 χ^2/NDF:0.0/0

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 211.402+/-0.170 χ^2/NDF: 0.0/0

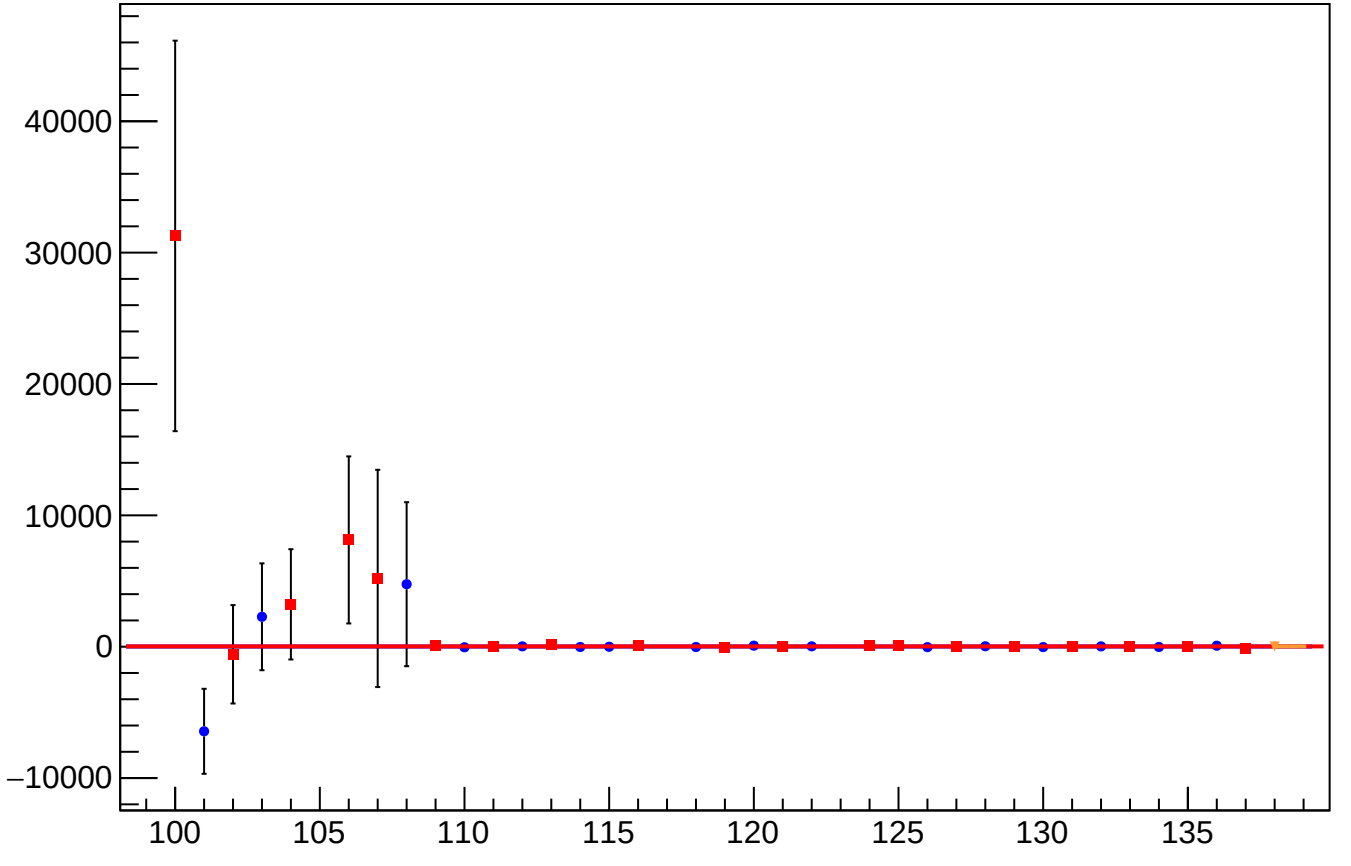
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 192.560+/-0.060 χ^2/NDF:3822789.1/15

Out: 176.904+/-0.053 χ^2/NDF:4352730.2/19

All: 183.711+/-0.040 χ^2/NDF: 8213815.4/35

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: 22.375+/-34.800 χ^2/NDF:0.0/0

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 22.375+/-34.800 χ^2/NDF: 0.0/0

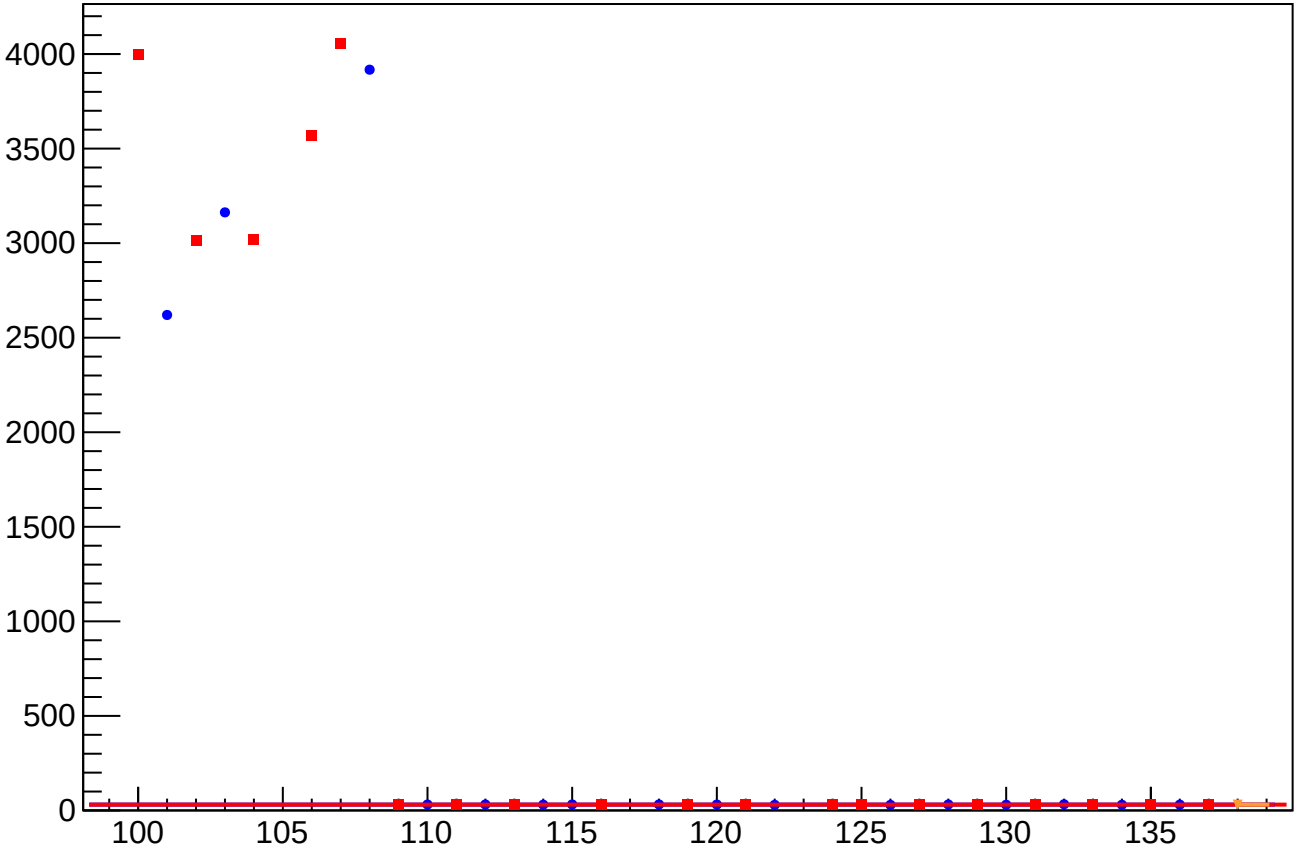
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 13.713+/-13.062 χ^2/NDF:15.5/15

Out: 23.122+/-12.326 χ^2/NDF:28.7/19

All: 18.690+/-8.965 χ^2/NDF: 44.4/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 30.708+/-0.025 χ^2/NDF:0.0/0

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

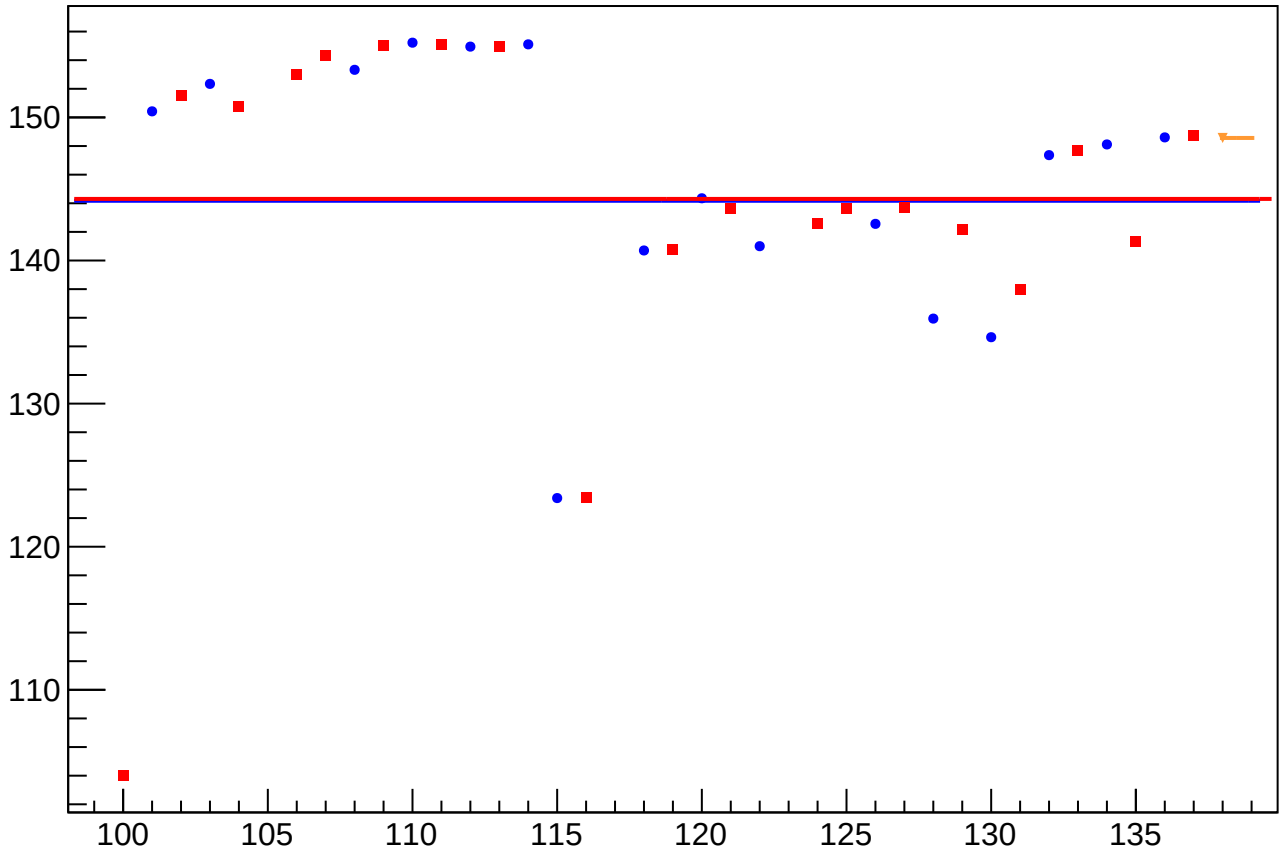
Left: 30.708+/-0.025 χ^2/NDF: 0.0/0

Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 30.928+/-0.009 χ^2/NDF:3252607.8/15

Out: 30.768+/-0.009 χ^2/NDF:3536241.6/19

All: 30.844+/-0.006 χ^2/NDF: 6789008.3/35



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.565+/-0.000 χ^2/NDF:0.0/0

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 148.565+/-0.000 χ^2/NDF: 0.0/0

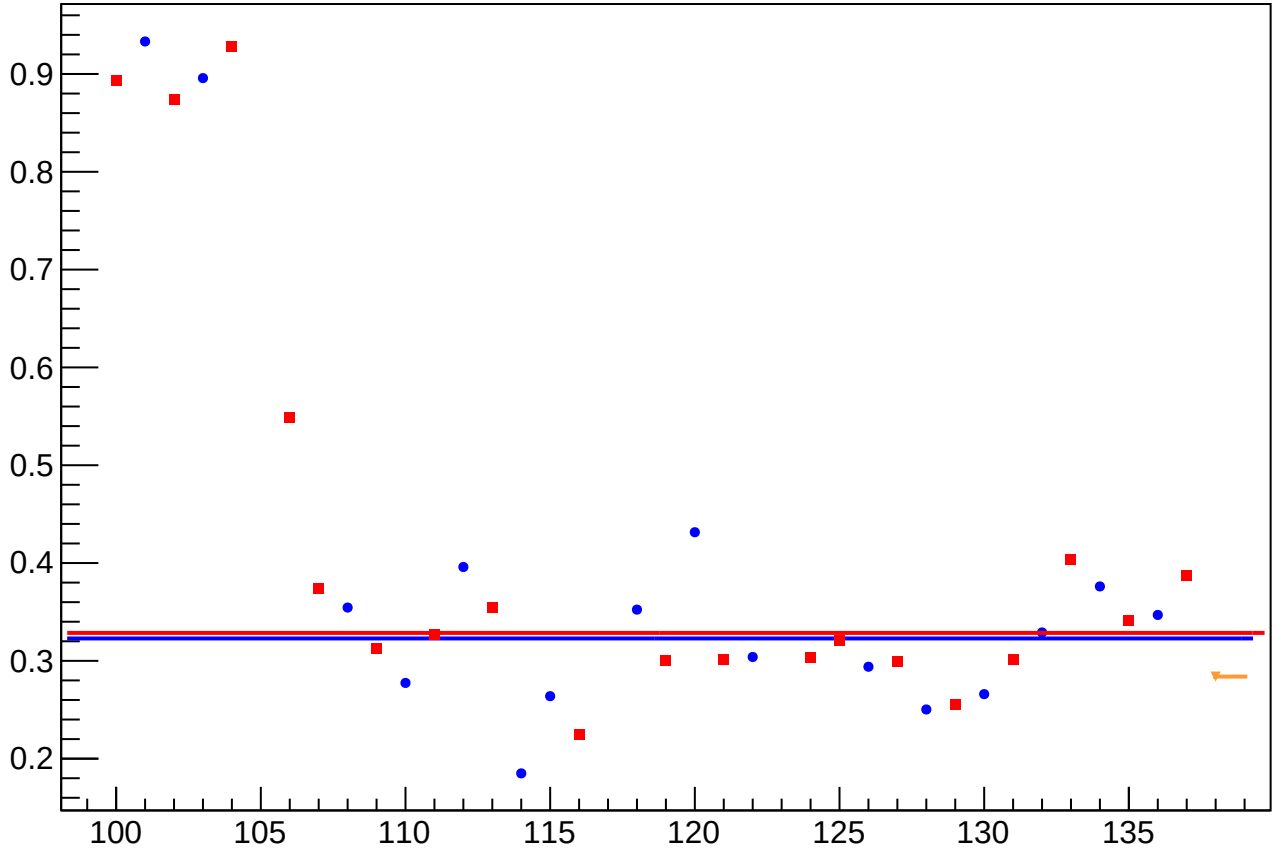
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 144.176+/-0.000 χ^2/NDF:3724747268.7/15

Out: 144.906+/-0.000 χ^2/NDF:4409214123.0/19

All: 144.567+/-0.000 χ^2/NDF: 8150238091.6

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.284+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

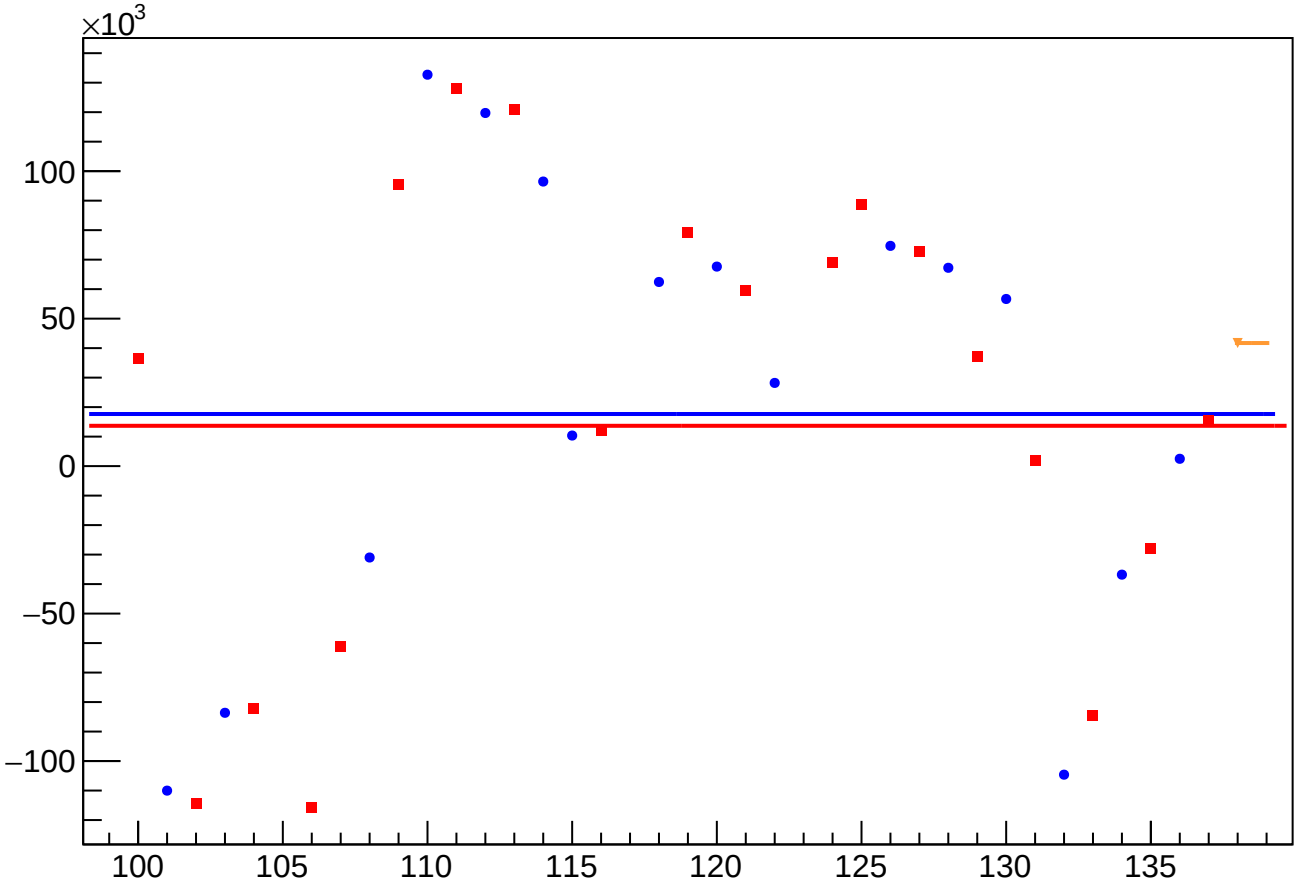
Left: 0.284+/-0.000 χ^2/NDF: 0.0/0

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.323+/-0.000 χ^2/NDF:1396024.1/15

Out: 0.322+/-0.000 χ^2/NDF:1335954.9/19

All: 0.323+/-0.000 χ^2/NDF: 2732003.1/35



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 41730.160+/-5.356 χ^2/NDF:0.0/0

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 41730.160+/-5.356 χ^2/NDF: 0.0/0

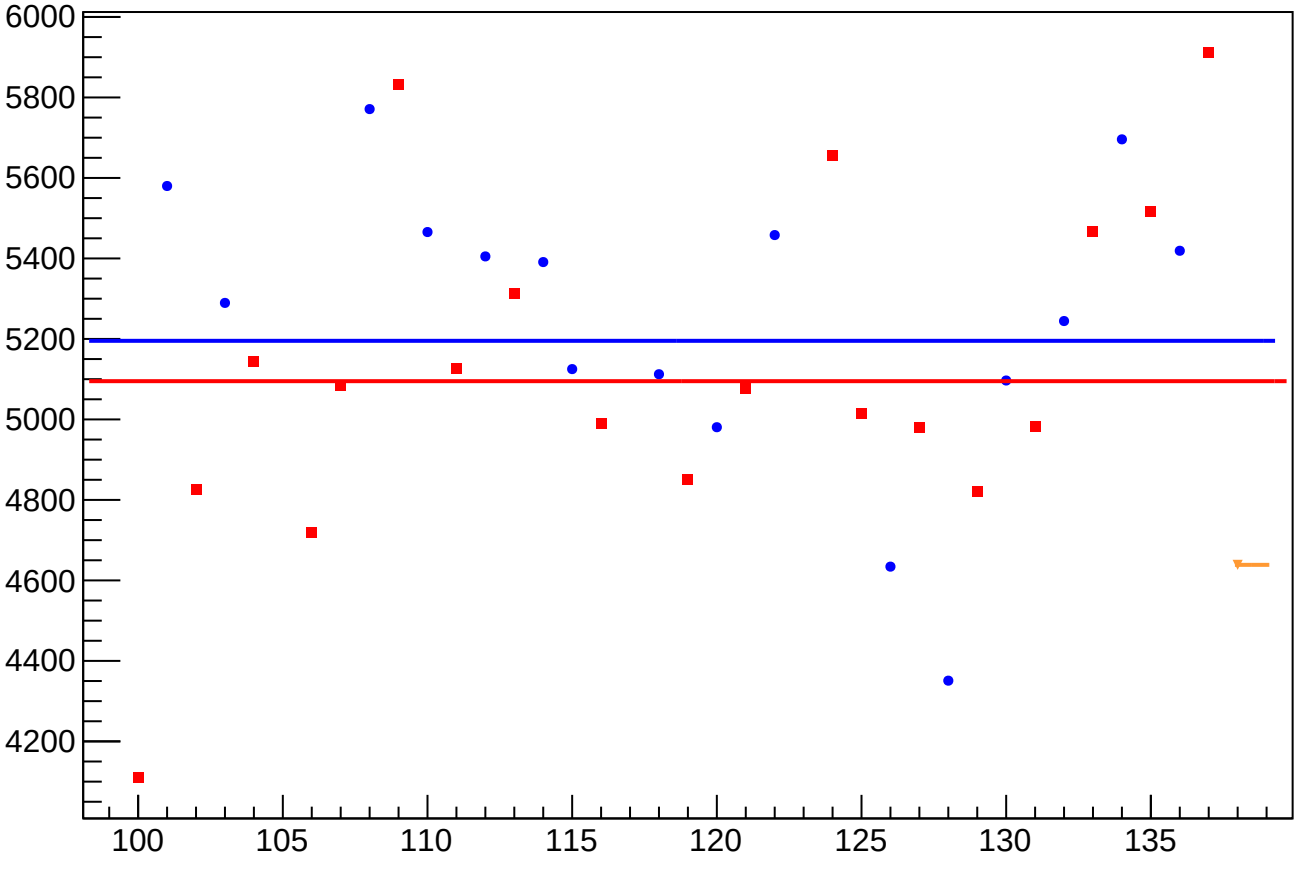
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 17663.790+/-2.006 χ^2/NDF:1398738701.8/15

Out: 16876.616+/-1.811 χ^2/NDF:1881277602.2/19

All: 17230.288+/-1.344 χ^2/NDF: 3280101145

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4638.648+/-3.787 χ^2/NDF:0.0/0

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

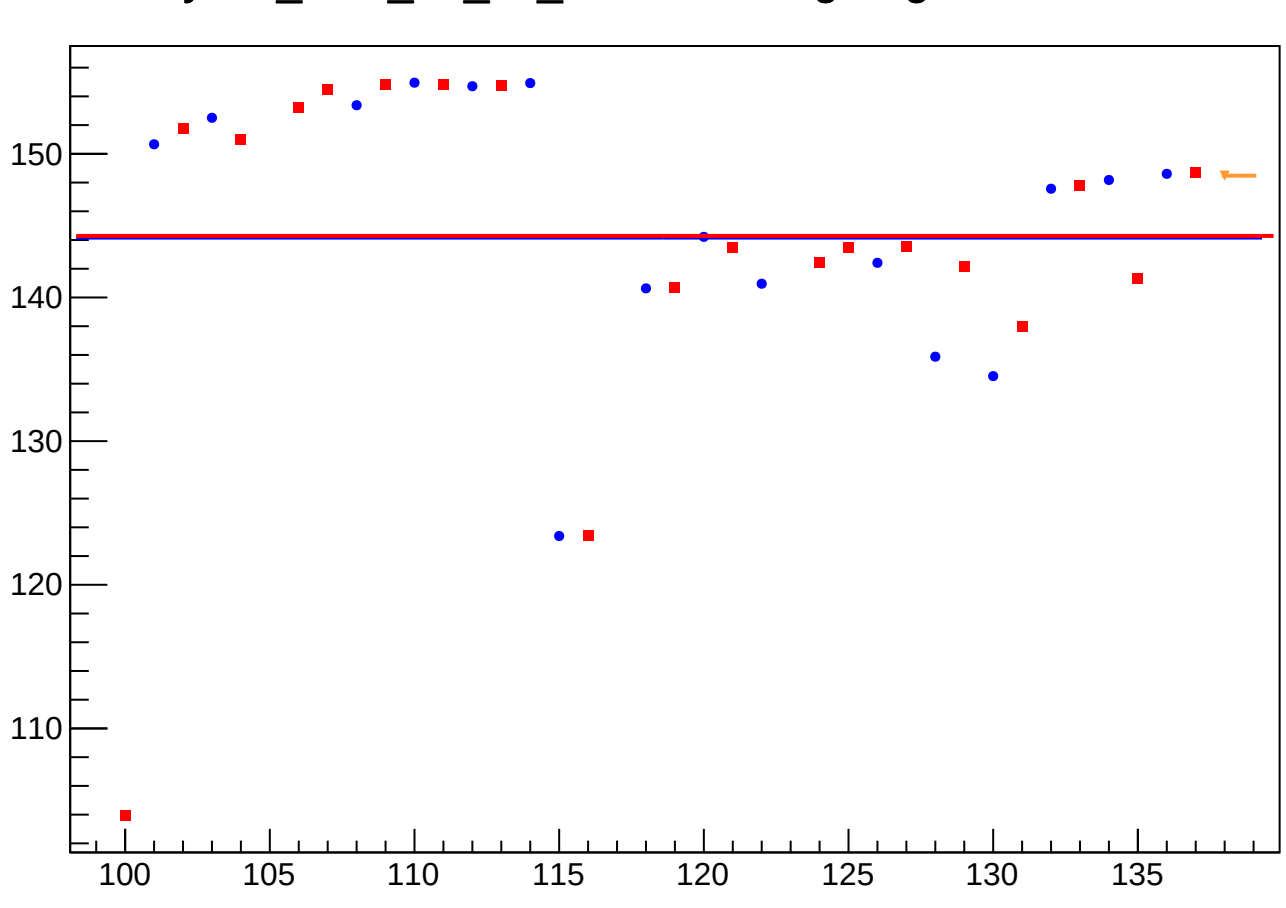
Left: 4638.648+/-3.787 χ^2/NDF: 0.0/0

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

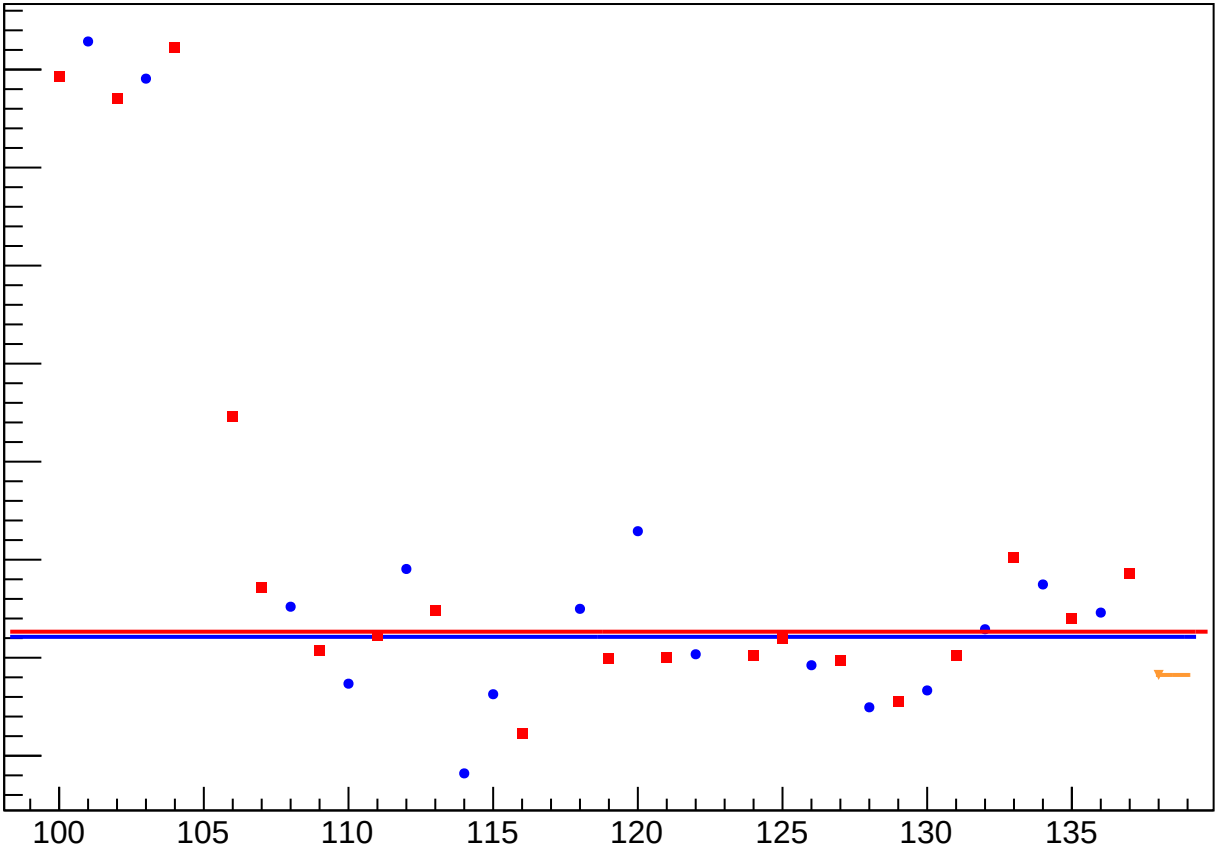
In: 5195.298+/-1.418 χ^2/NDF:77166.0/15

Out: 5042.839+/-1.281 χ^2/NDF:71973.6/19

All: 5111.338+/-0.951 χ^2/NDF: 155504.7/35


yield_bcm_an_ds_mean vs Slug, Sign Corrected
150
140
130
120
110
100
105
110
115
120
125
130
135
Right In: 144.172+/-0.000 χ²/NDF: 3764836520.0/15
Left Out: 148.481+/-0.000 χ²/NDF:0.0/0
Right Out: 144.286+/-0.000 χ²/NDF: 4290223847.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 148.481+/-0.000 χ²/NDF: 0.0/0
Right: 144.229+/-0.000 χ²/NDF: 8055437753.5/34
In: 144.172+/-0.000 χ²/NDF:3764836520.0/15
Out: 144.878+/-0.000 χ²/NDF:4431971185.7/19
All: 144.550+/-0.000 χ²/NDF: 8212207094.7

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.282+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

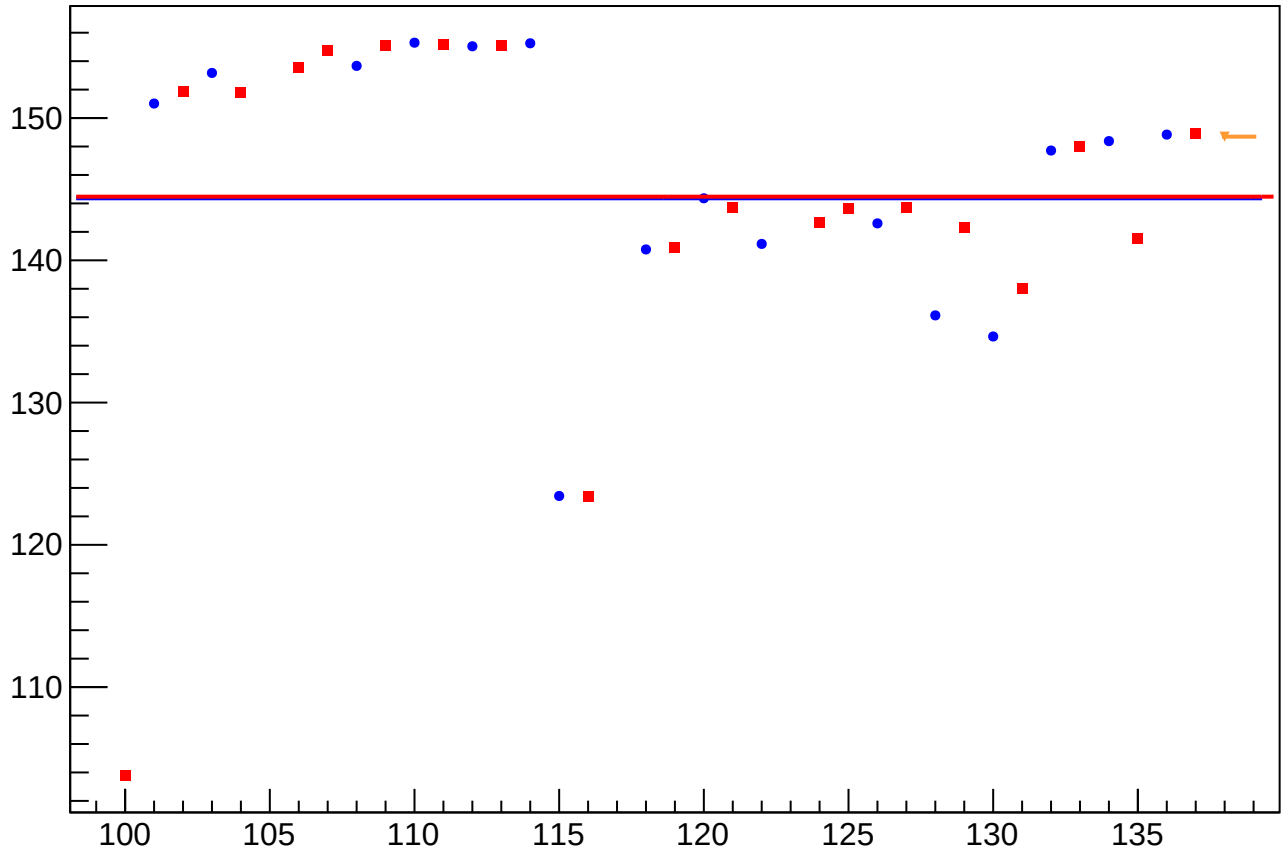
Left: 0.282+/-0.000 χ^2/NDF: 0.0/0

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.321+/-0.000 χ^2/NDF:1396250.7/15

Out: 0.320+/-0.000 χ^2/NDF:1334116.7/19

All: 0.321+/-0.000 χ^2/NDF: 2730423.9/35



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.693+/-0.000 χ^2/NDF:0.0/0

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 148.693+/-0.000 χ^2/NDF: 0.0/0

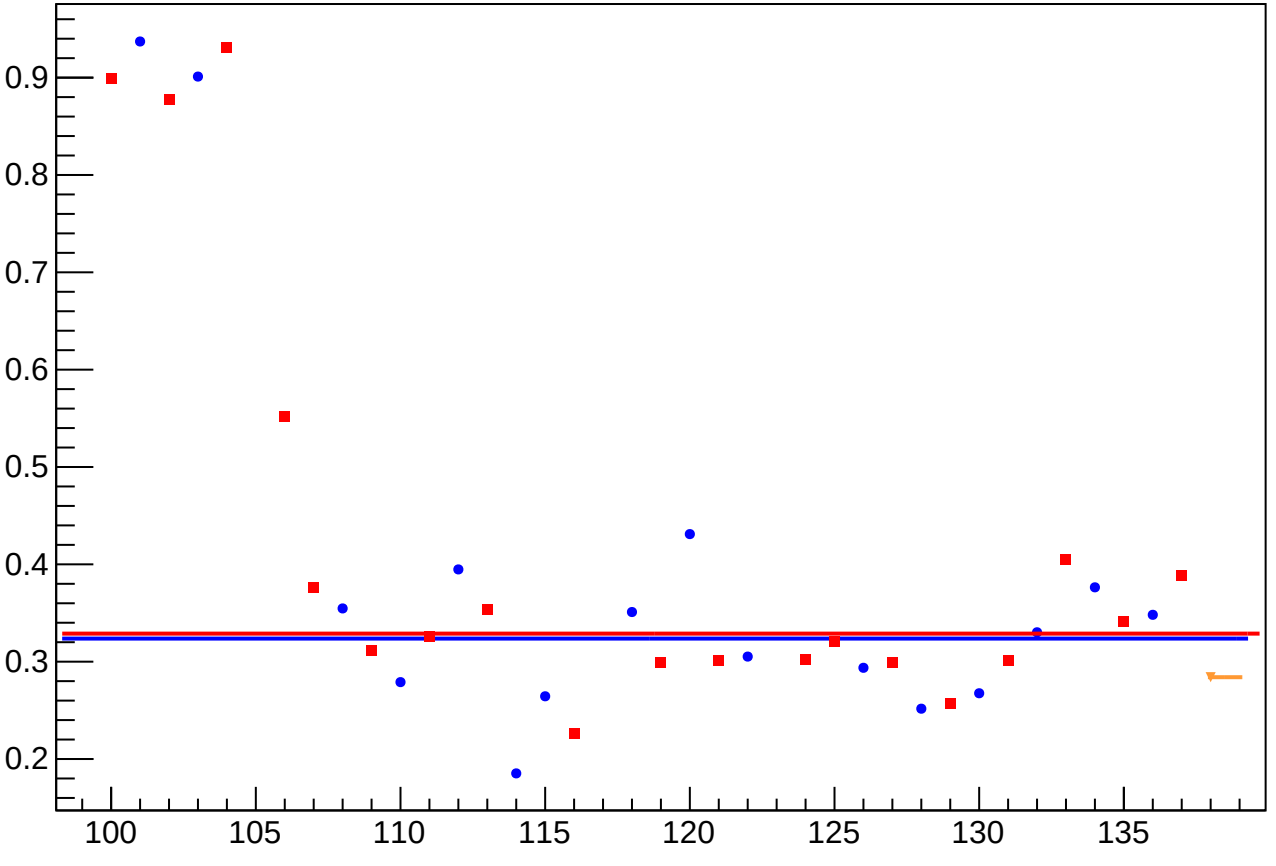
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 144.361+/-0.000 χ^2/NDF:3758625293.6/15

Out: 145.070+/-0.000 χ^2/NDF:4423642168.4/19

All: 144.741+/-0.000 χ^2/NDF: 8197605017.5

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.284+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

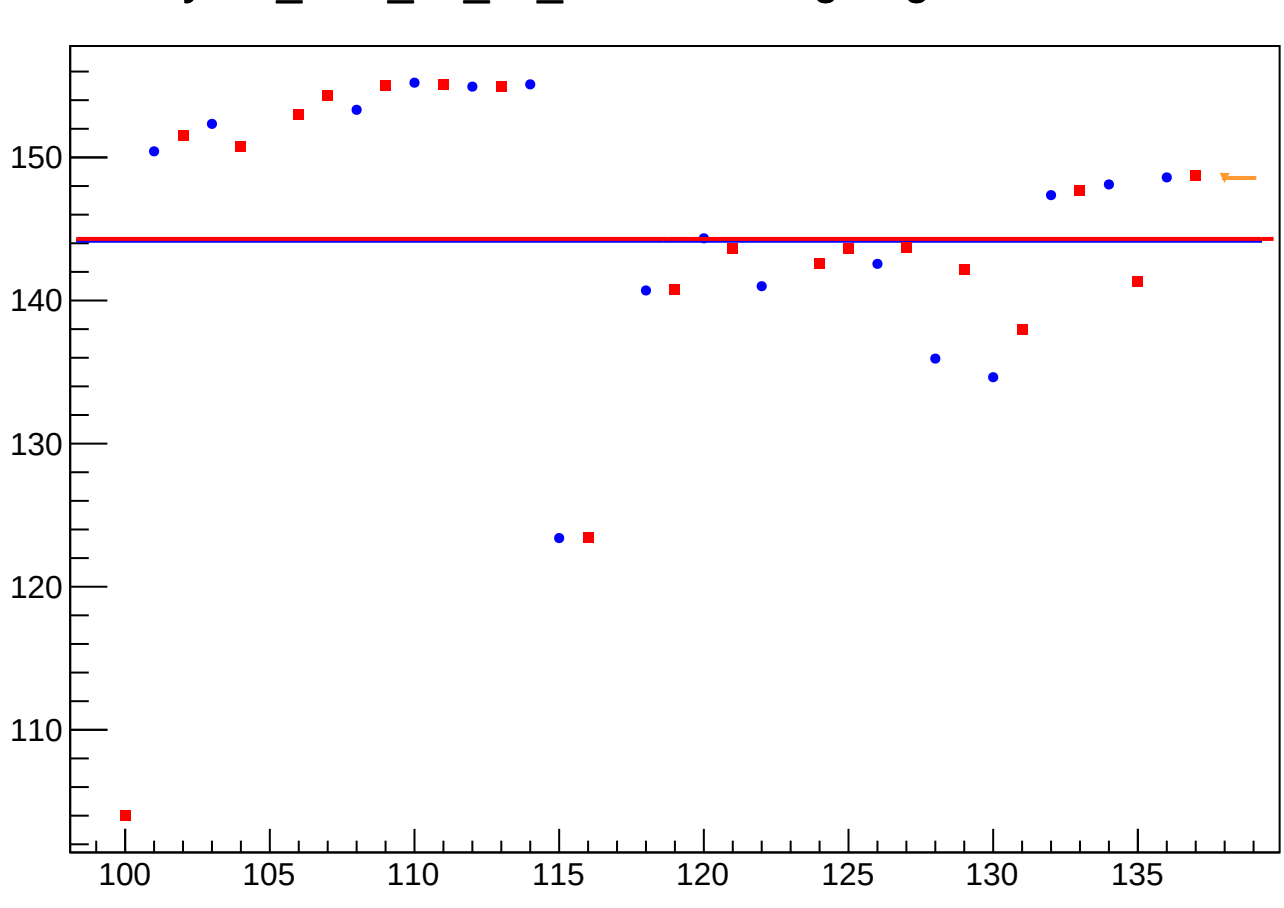
Left: 0.284+/-0.000 χ^2/NDF: 0.0/0

Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.324+/-0.000 χ^2/NDF:1392377.9/15

Out: 0.322+/-0.000 χ^2/NDF:1335143.7/19

All: 0.323+/-0.000 χ^2/NDF: 2727612.1/35



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.565+/-0.000 χ^2/NDF:0.0/0

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 148.565+/-0.000 χ^2/NDF: 0.0/0

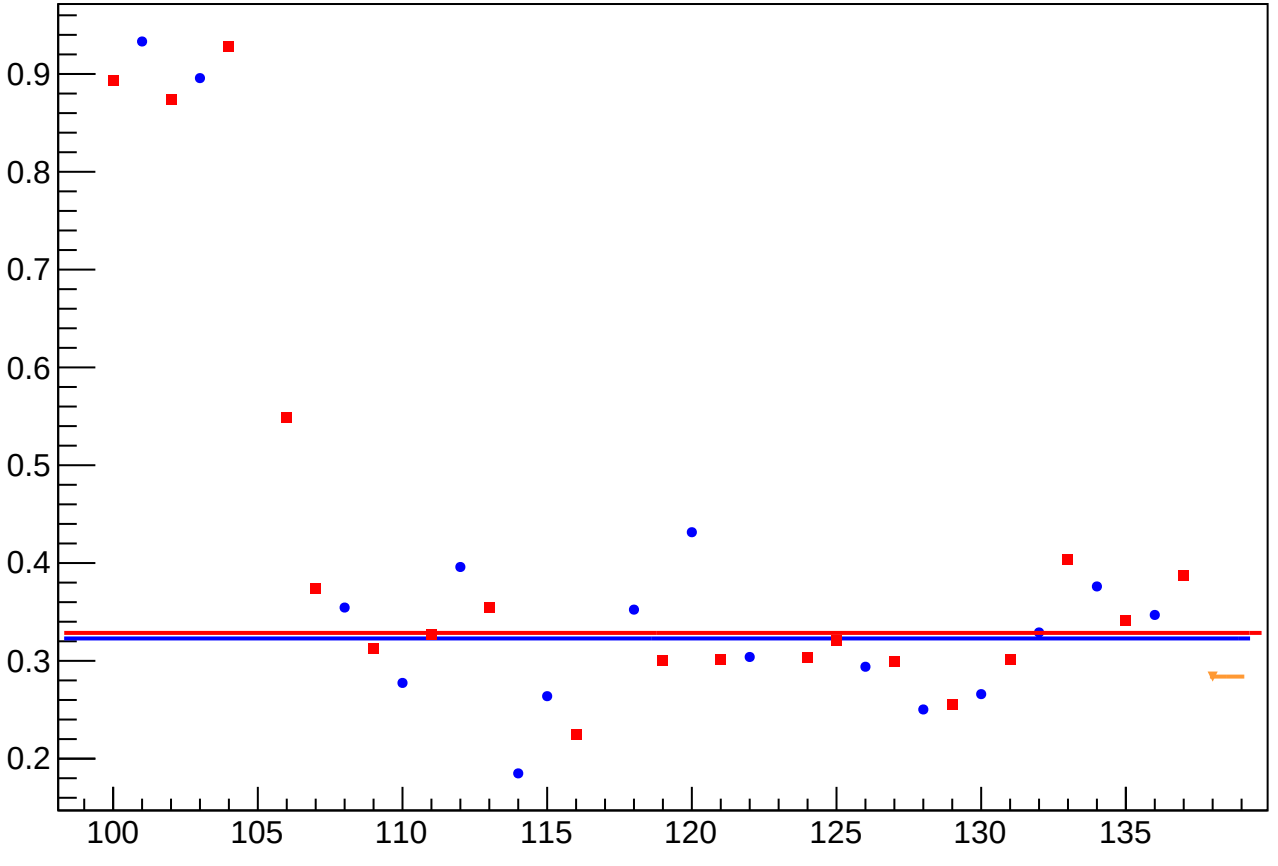
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 144.176+/-0.000 χ^2/NDF:3724747268.7/15

Out: 144.906+/-0.000 χ^2/NDF:4409214123.0/19

All: 144.567+/-0.000 χ^2/NDF: 8150238091.6

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.284+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

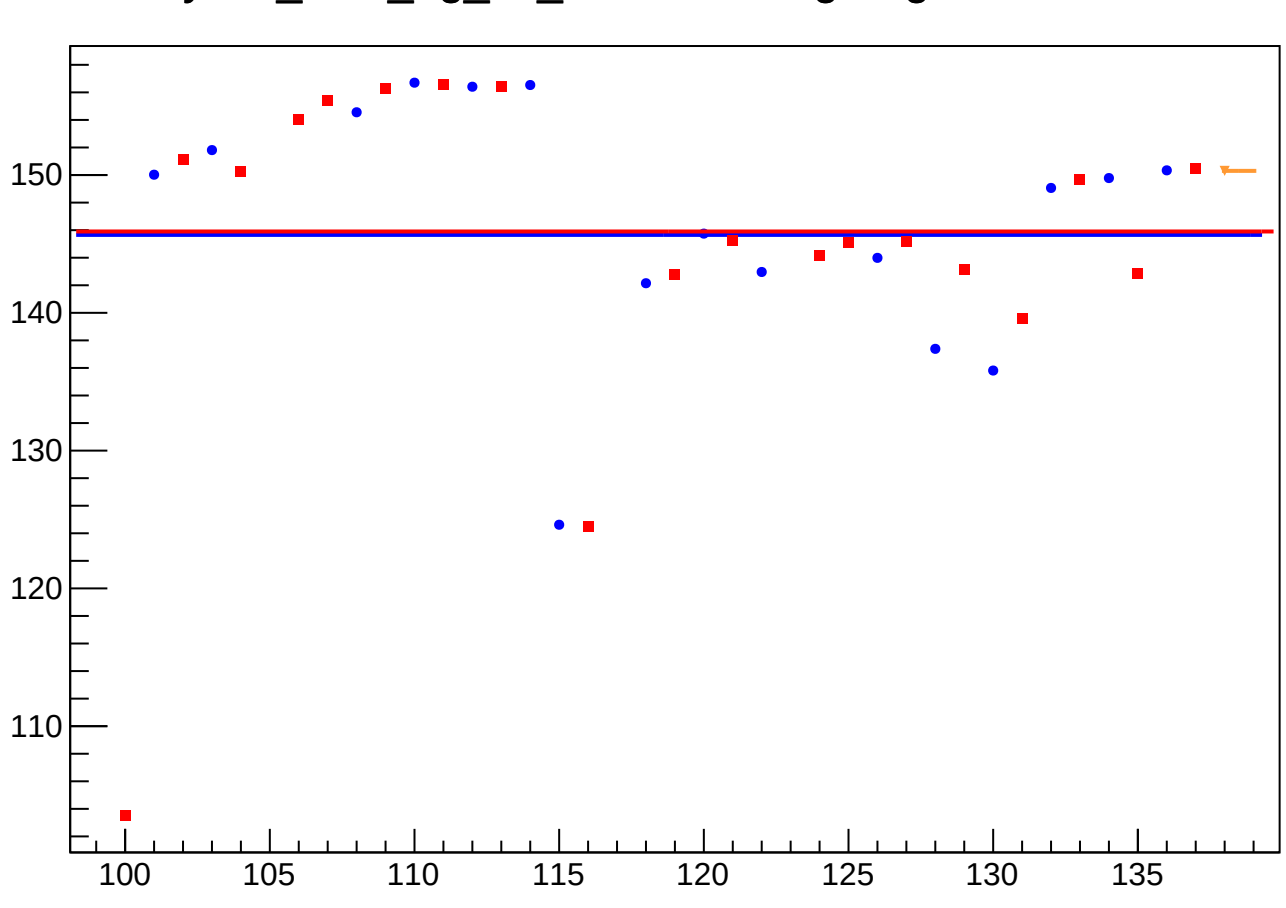
Left: 0.284+/-0.000 χ^2/NDF: 0.0/0

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.323+/-0.000 χ^2/NDF:1396024.1/15

Out: 0.322+/-0.000 χ^2/NDF:1335954.9/19

All: 0.323+/-0.000 χ^2/NDF: 2732003.1/35



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 150.303+/-0.000 χ^2/NDF:0.0/0

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 150.303+/-0.000 χ^2/NDF: 0.0/0

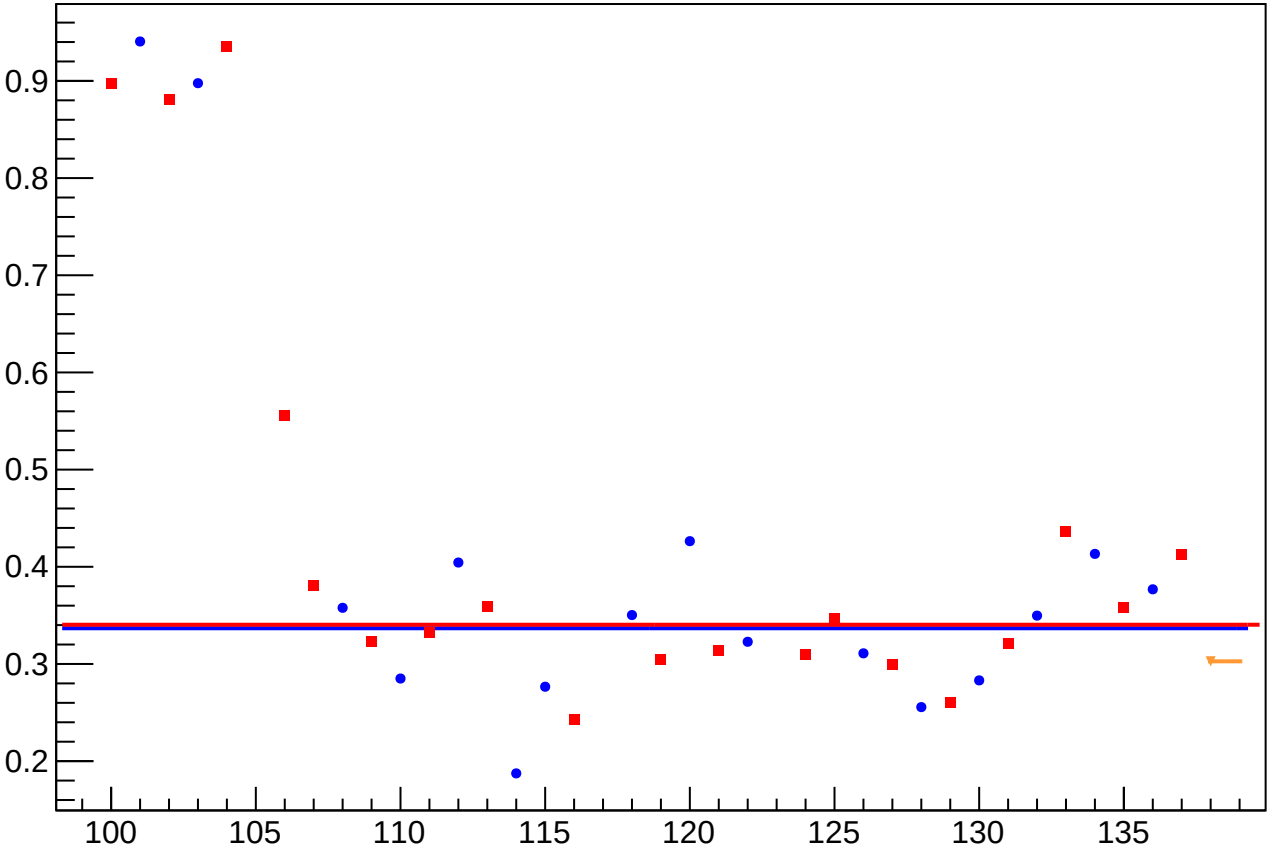
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 145.657+/-0.000 χ^2/NDF:3481495345.2/15

Out: 146.488+/-0.000 χ^2/NDF:3997881093.8/19

All: 146.102+/-0.000 χ^2/NDF: 7498786474.3

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.303+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

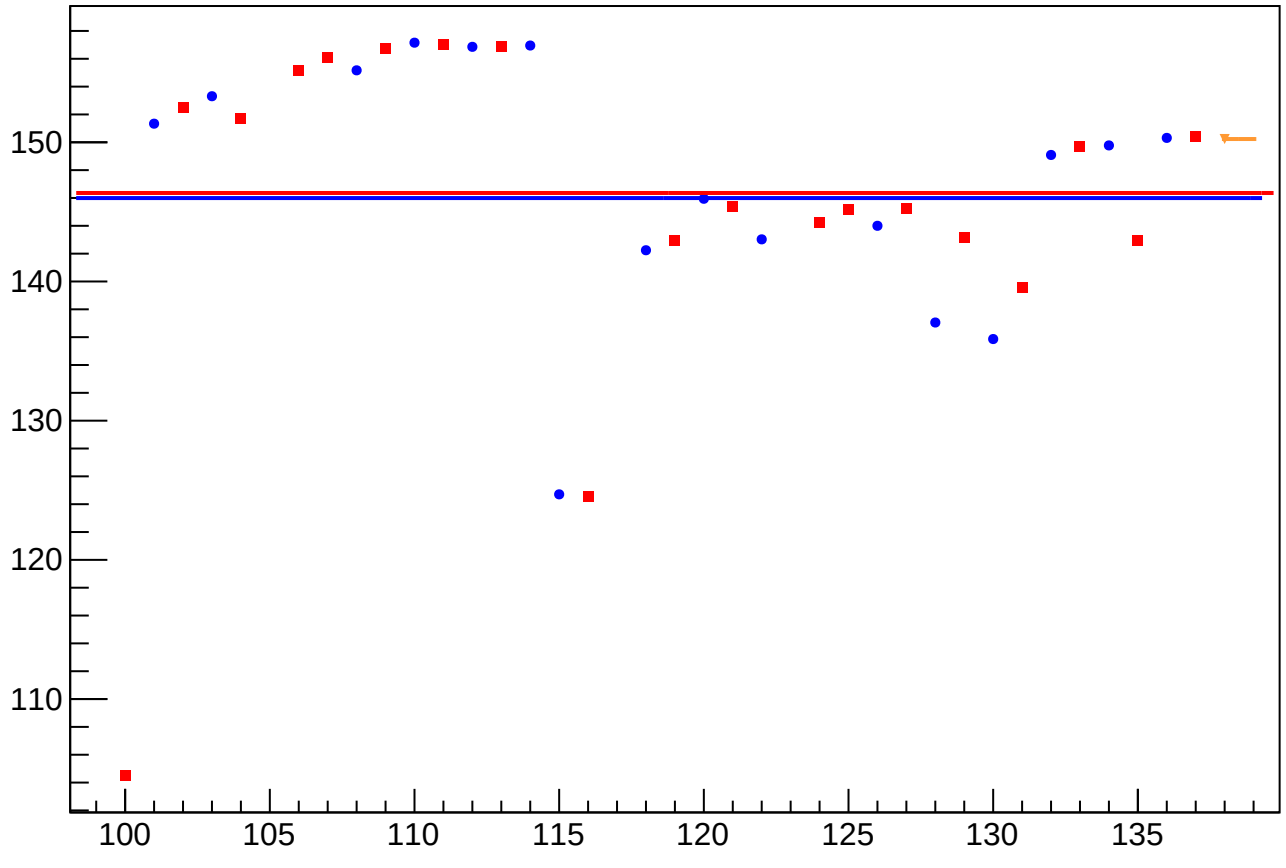
Left: 0.303+/-0.000 χ^2/NDF: 0.0/0

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.337+/-0.000 χ^2/NDF:1370512.1/15

Out: 0.335+/-0.000 χ^2/NDF:1294493.1/19

All: 0.336+/-0.000 χ^2/NDF: 2665108.5/35



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 150.234+/-0.000 χ^2/NDF:0.0/0

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 150.234+/-0.000 χ^2/NDF: 0.0/0

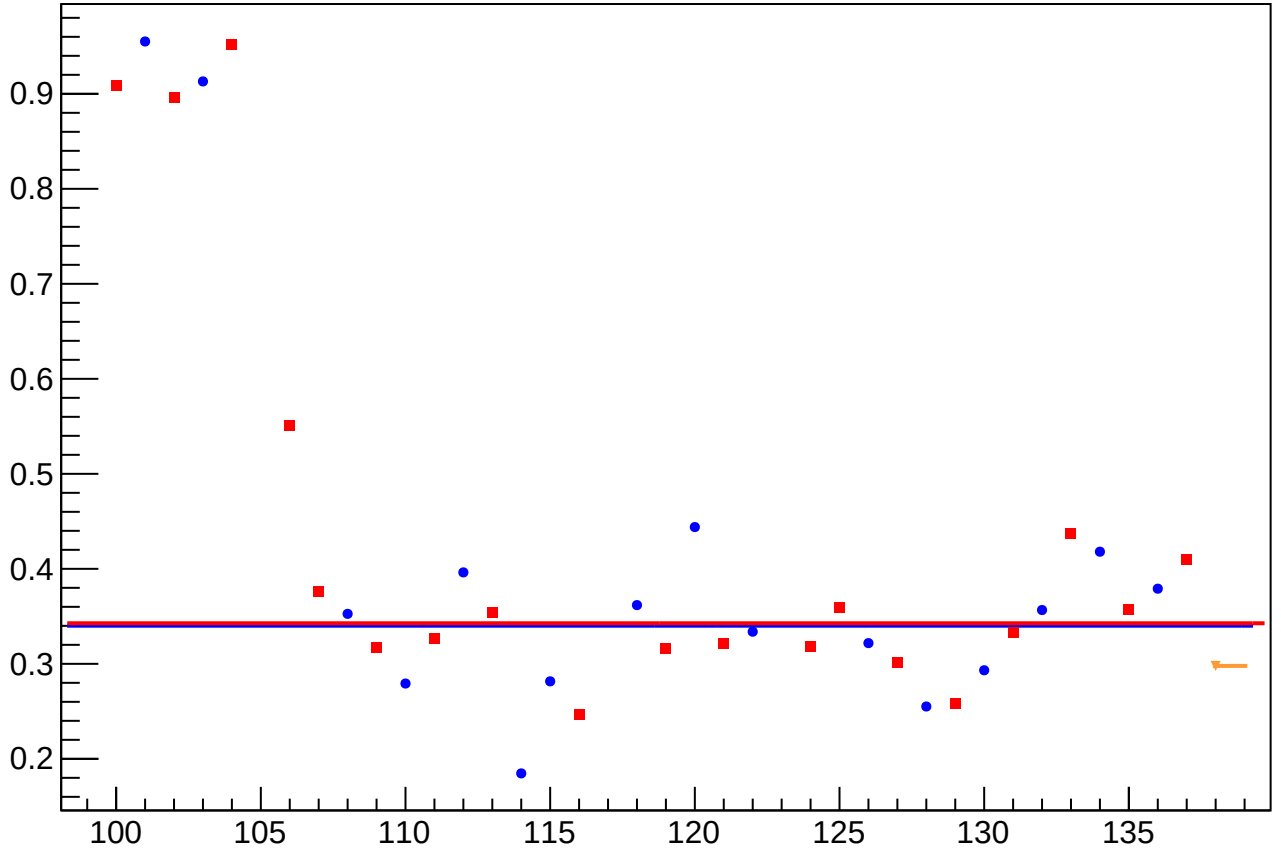
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 145.993+/-0.000 χ^2/NDF:3621634656.4/15

Out: 146.892+/-0.000 χ^2/NDF:4070052225.4/19

All: 146.478+/-0.000 χ^2/NDF: 7714014194.2

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.298+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

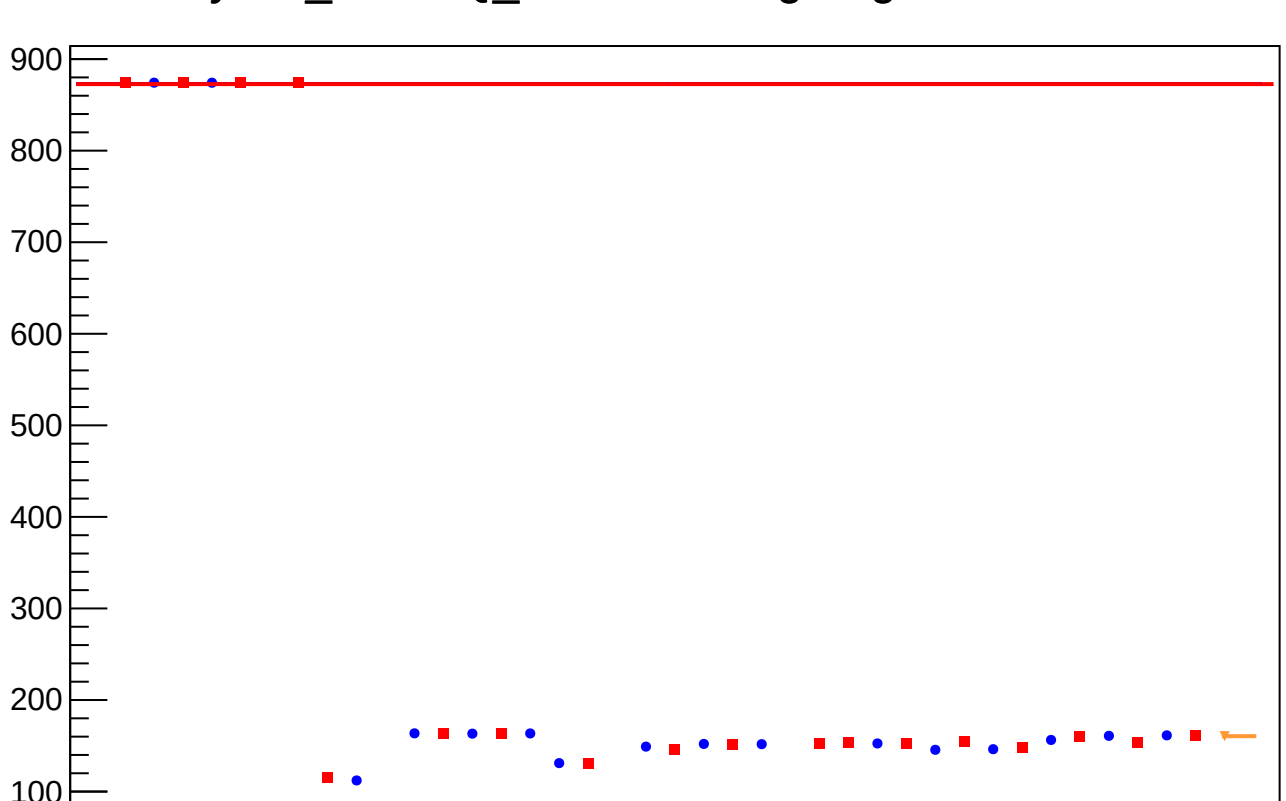
Left: 0.298+/-0.000 χ^2/NDF: 0.0/0

Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.340+/-0.000 χ^2/NDF:1393222.3/15

Out: 0.337+/-0.000 χ^2/NDF:1299431.7/19

All: 0.338+/-0.000 χ^2/NDF: 2693378.2/35



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 160.487+/-0.001 χ^2/NDF:0.0/0

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 160.487+/-0.001 χ^2/NDF: 0.0/0

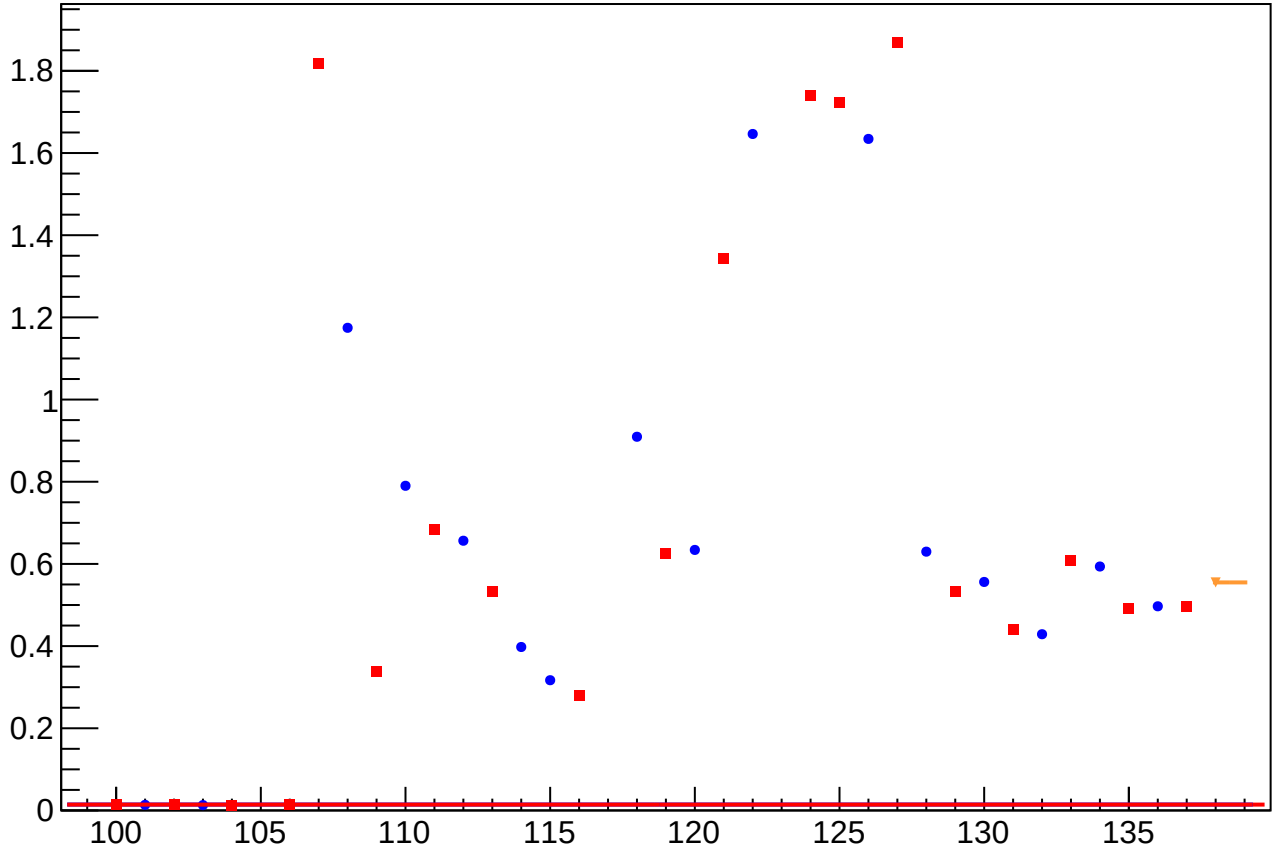
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 872.822+/-0.000 χ^2/NDF:7191496833472.3/15

Out: 872.502+/-0.000 χ^2/NDF:10183679342804.3

All: 872.651+/-0.000 χ^2/NDF: 17375566739

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.555+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

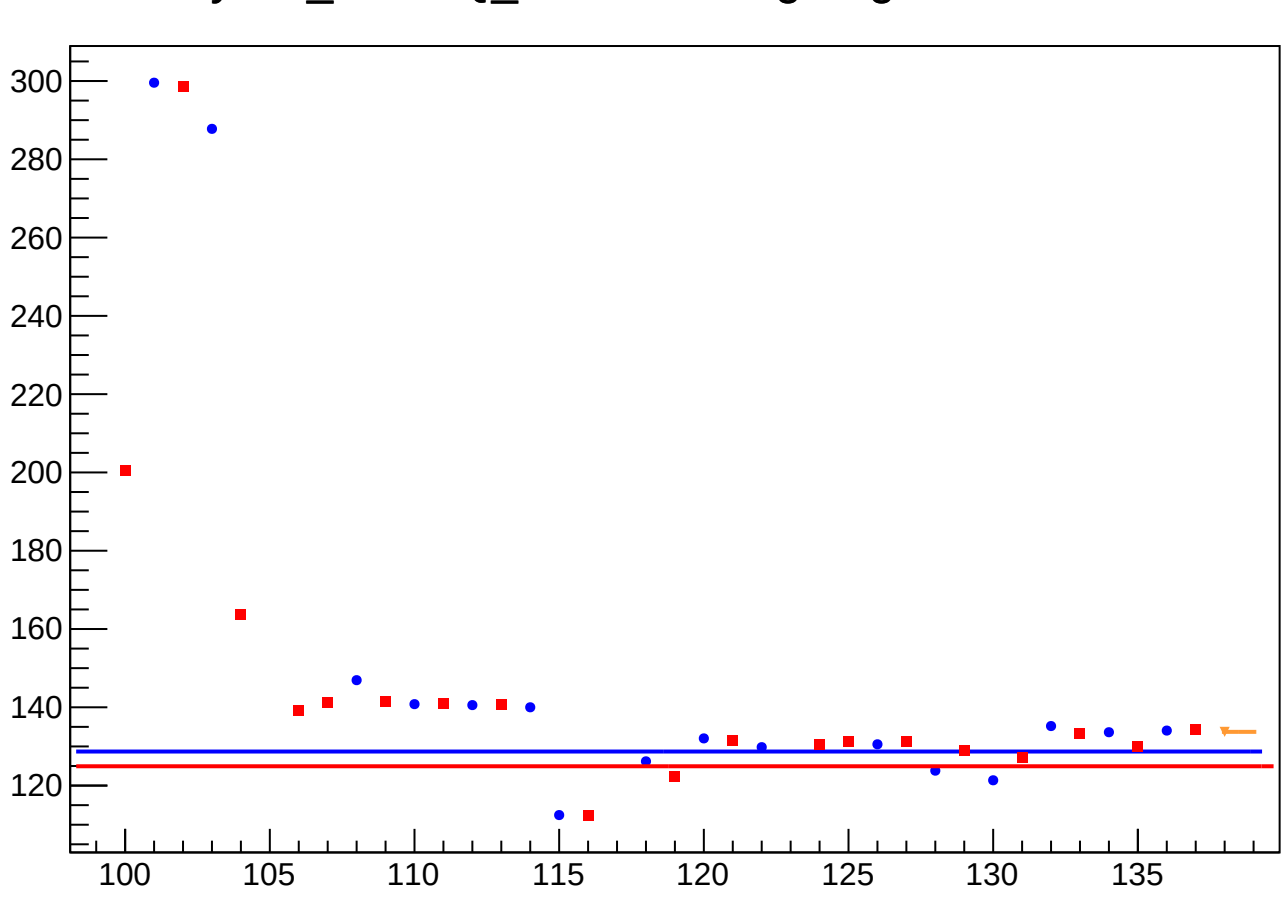
Left: 0.555+/-0.000 χ^2/NDF: 0.0/0

Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

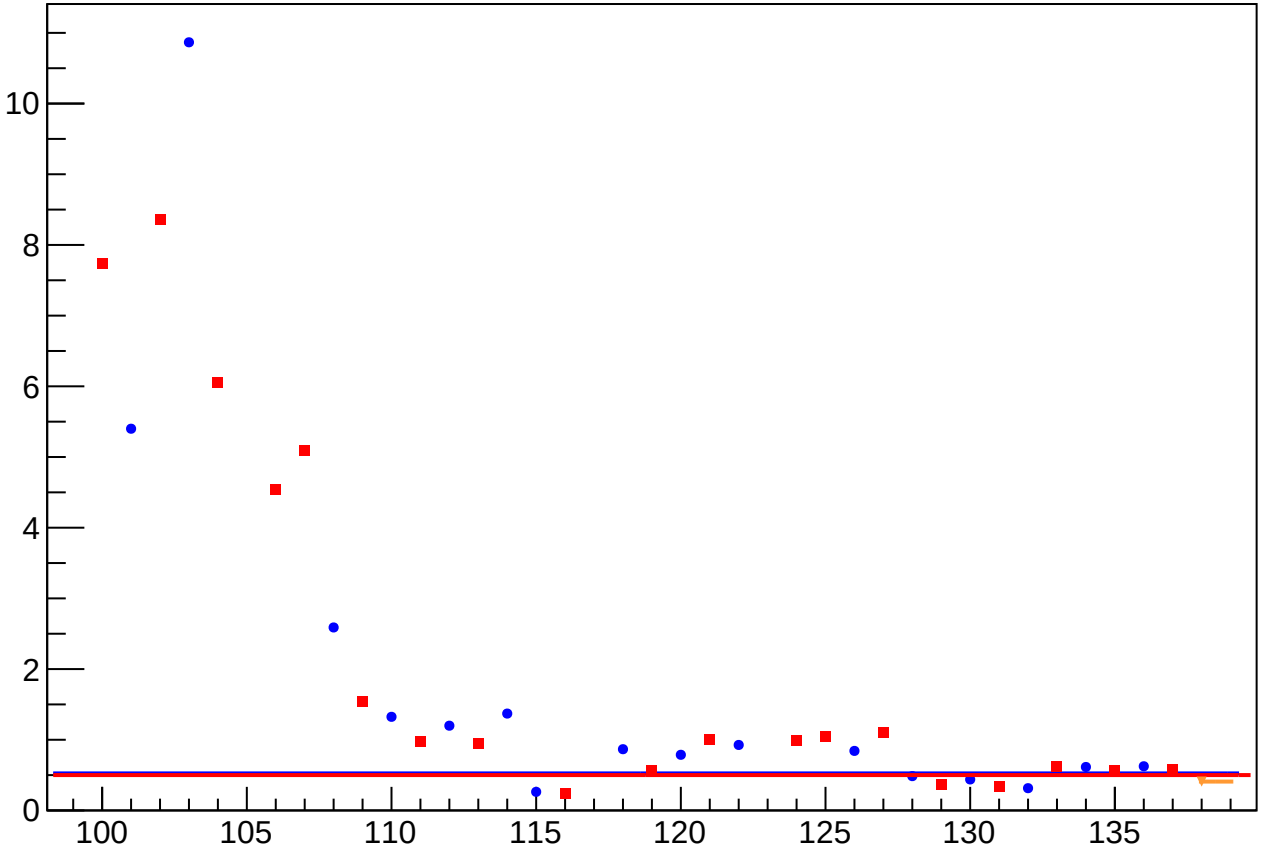
In: 0.014+/-0.000 χ^2/NDF:9622176.3/15

Out: 0.014+/-0.000 χ^2/NDF:10581928.7/19

All: 0.014+/-0.000 χ^2/NDF: 20204105.6/35


yield_cav4cQ_mean vs Slug, Sign Corrected
300
280
260
240
220
200
180
160
140
120
100
105
110
115
120
125
130
135
Right In: 128.701+/-0.000 χ²/NDF: 1656162604.0/15
Left Out: 133.726+/-0.001 χ²/NDF:0.0/0
Right Out: 124.935+/-0.000 χ²/NDF: 1397923053.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 133.726+/-0.001 χ²/NDF: 0.0/0
Right: 126.772+/-0.000 χ²/NDF: 3151132983.0/34
In: 128.701+/-0.000 χ²/NDF:1656162604.0/15
Out: 126.293+/-0.000 χ²/NDF:1565353448.6/19
All: 127.367+/-0.000 χ²/NDF: 3264433485.5

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.409+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.409+/-0.000 χ^2/NDF: 0.0/0

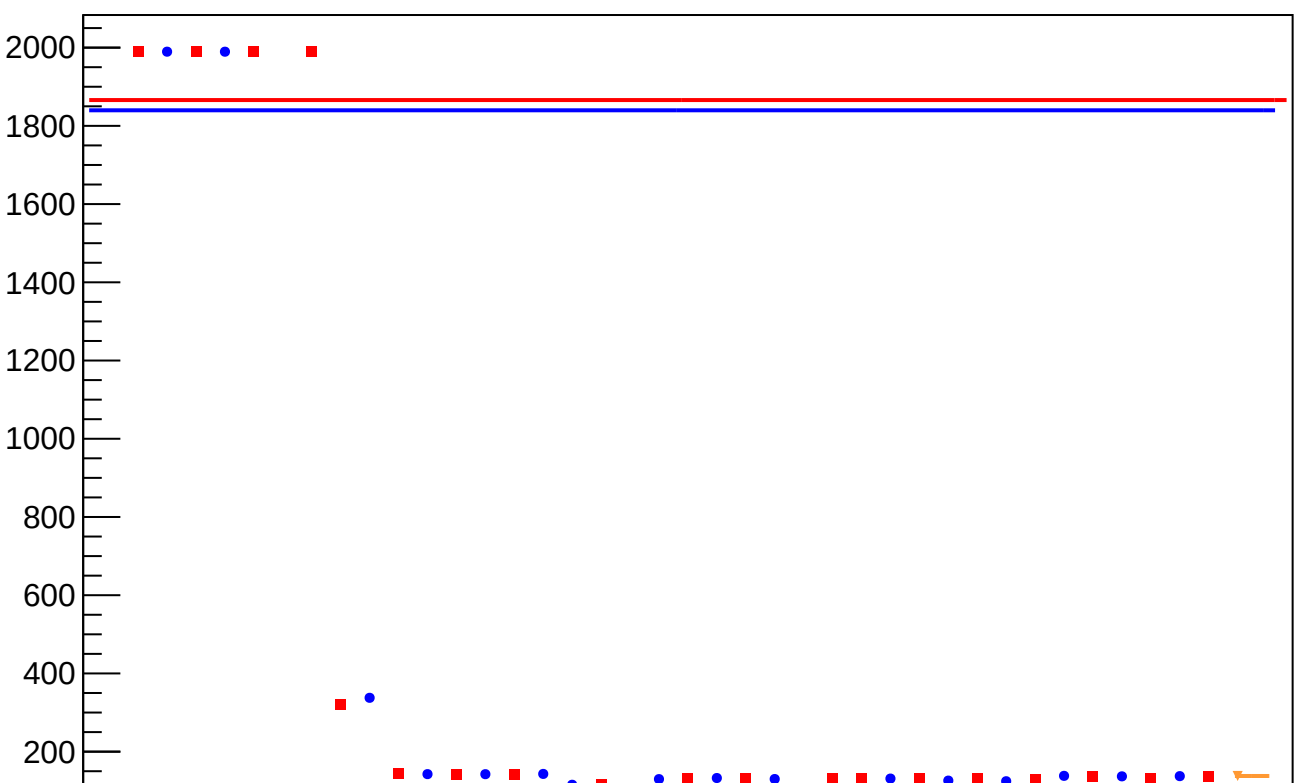
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.524+/-0.000 χ^2/NDF:4138409.3/15

Out: 0.486+/-0.000 χ^2/NDF:4920794.6/19

All: 0.503+/-0.000 χ^2/NDF: 9080270.8/35

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.790+/-0.000 χ^2/NDF:0.0/0

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 137.790+/-0.000 χ^2/NDF: 0.0/0

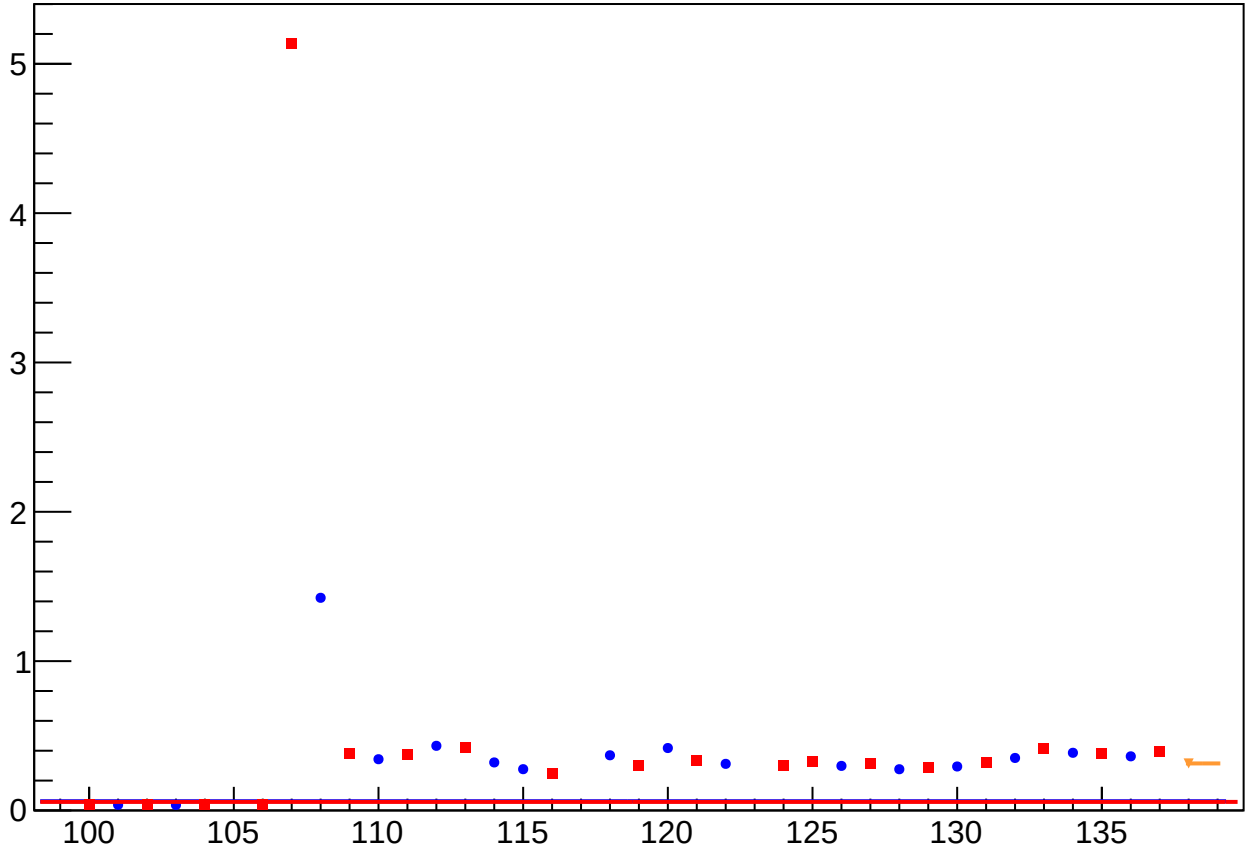
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1839.782+/-0.000 χ^2/NDF:145916014549797.

Out: 1846.349+/-0.000 χ^2/NDF:16534772155327

All: 1843.338+/-0.000 χ^2/NDF: 3112770544

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.315+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.315+/-0.000 χ^2/NDF: 0.0/0

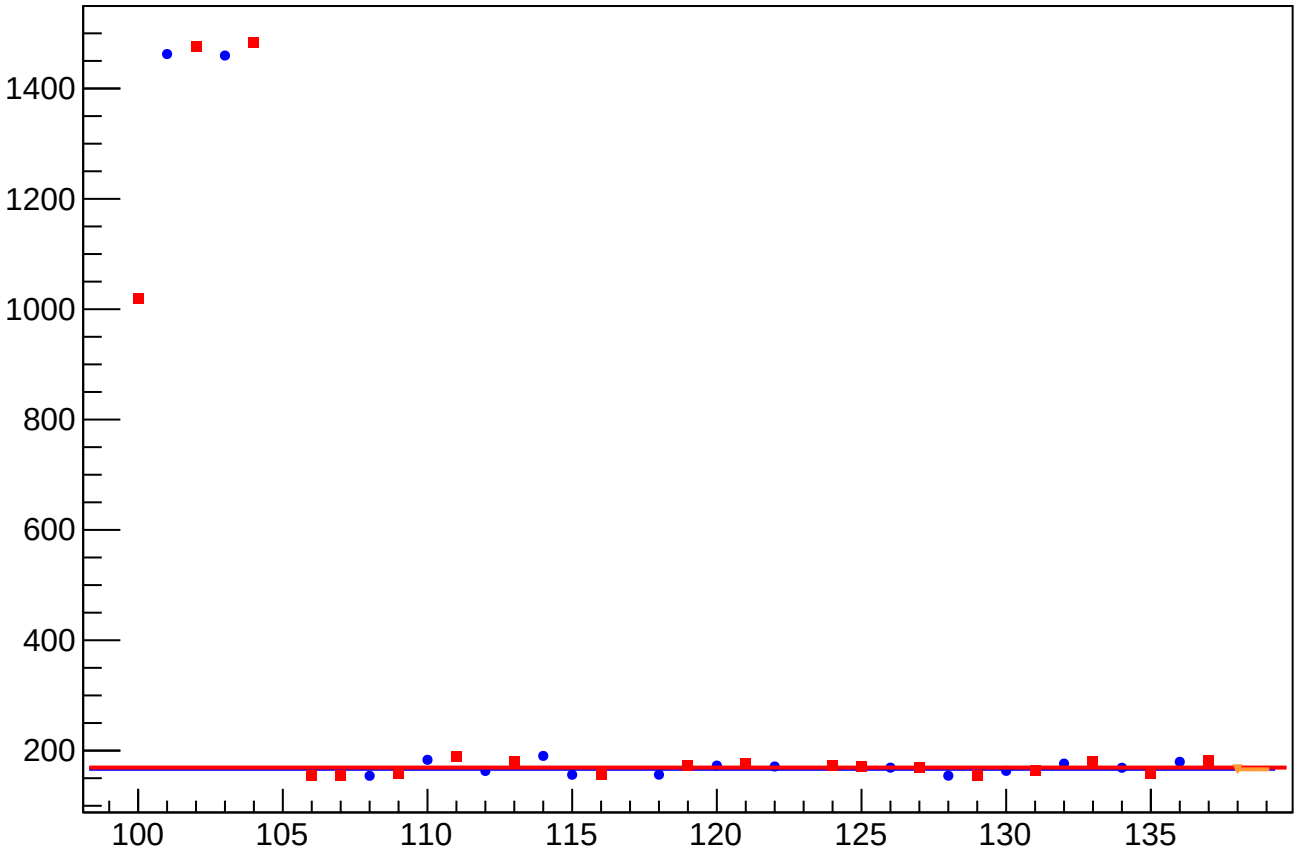
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.062+/-0.000 χ^2/NDF:8173578.9/15

Out: 0.060+/-0.000 χ^2/NDF:8744874.4/19

All: 0.061+/-0.000 χ^2/NDF: 16919958.9/35

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 166.001+/-0.001 χ^2/NDF:0.0/0

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 166.001+/-0.001 χ^2/NDF: 0.0/0

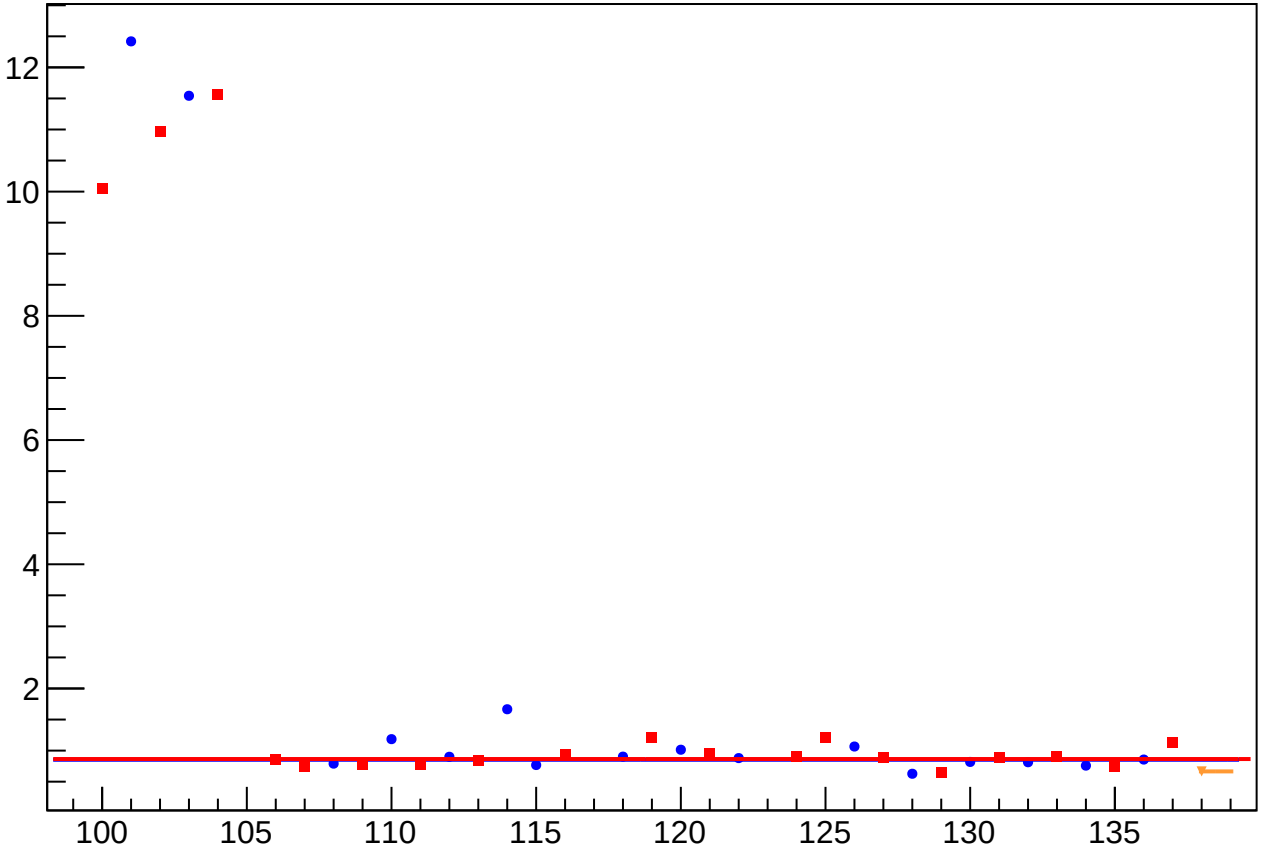
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 167.017+/-0.000 χ^2/NDF:14614977518.5/15

Out: 168.808+/-0.000 χ^2/NDF:16325508346.8/19

All: 167.992+/-0.000 χ^2/NDF: 30949733174.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.665+/-0.001 χ^2/NDF:0.0/0

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

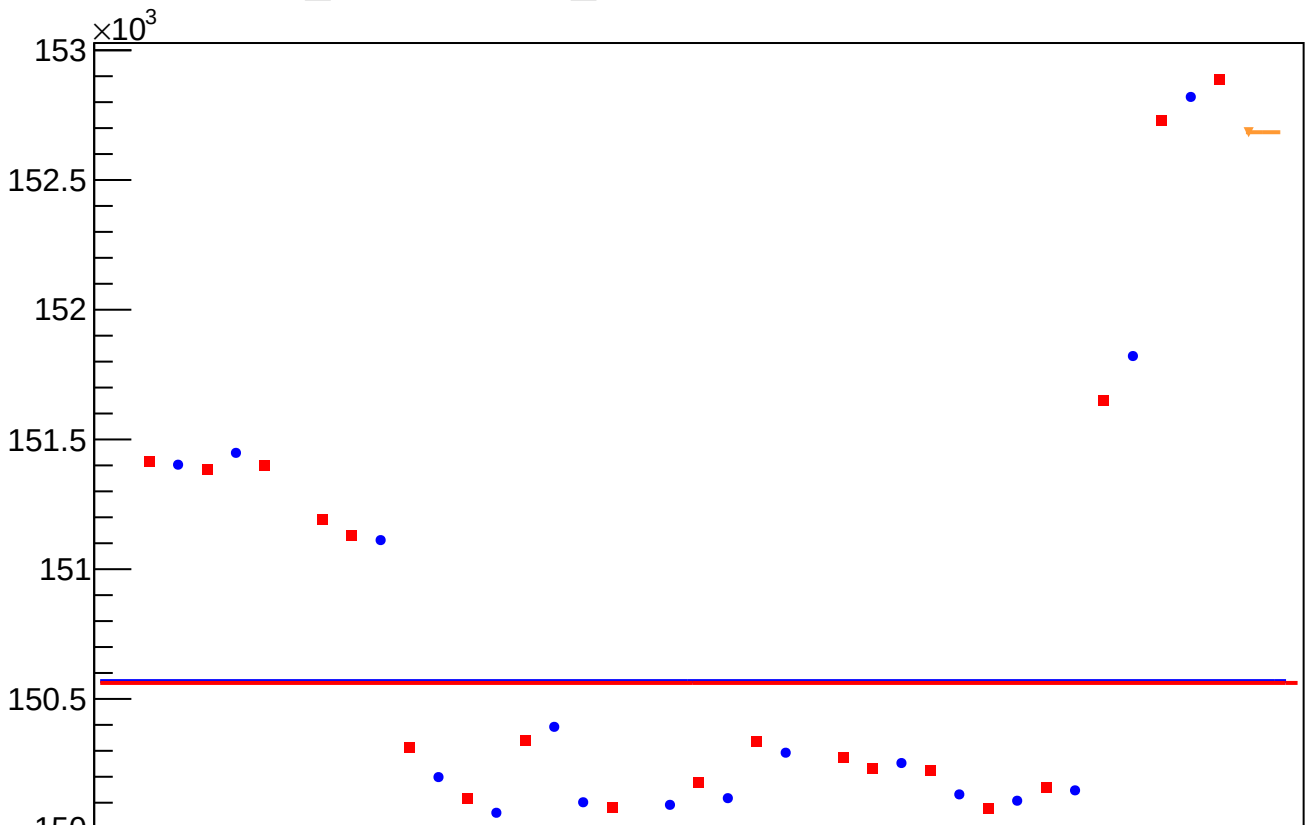
Left: 0.665+/-0.001 χ^2/NDF: 0.0/0

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.853+/-0.000 χ^2/NDF:2302297.2/15

Out: 0.837+/-0.000 χ^2/NDF:2268695.7/19

All: 0.844+/-0.000 χ^2/NDF: 4572486.0/35



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152684.087+/-0.206 χ^2/NDF:0.0/0

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 152684.087+/-0.206 χ^2/NDF: 0.0/0

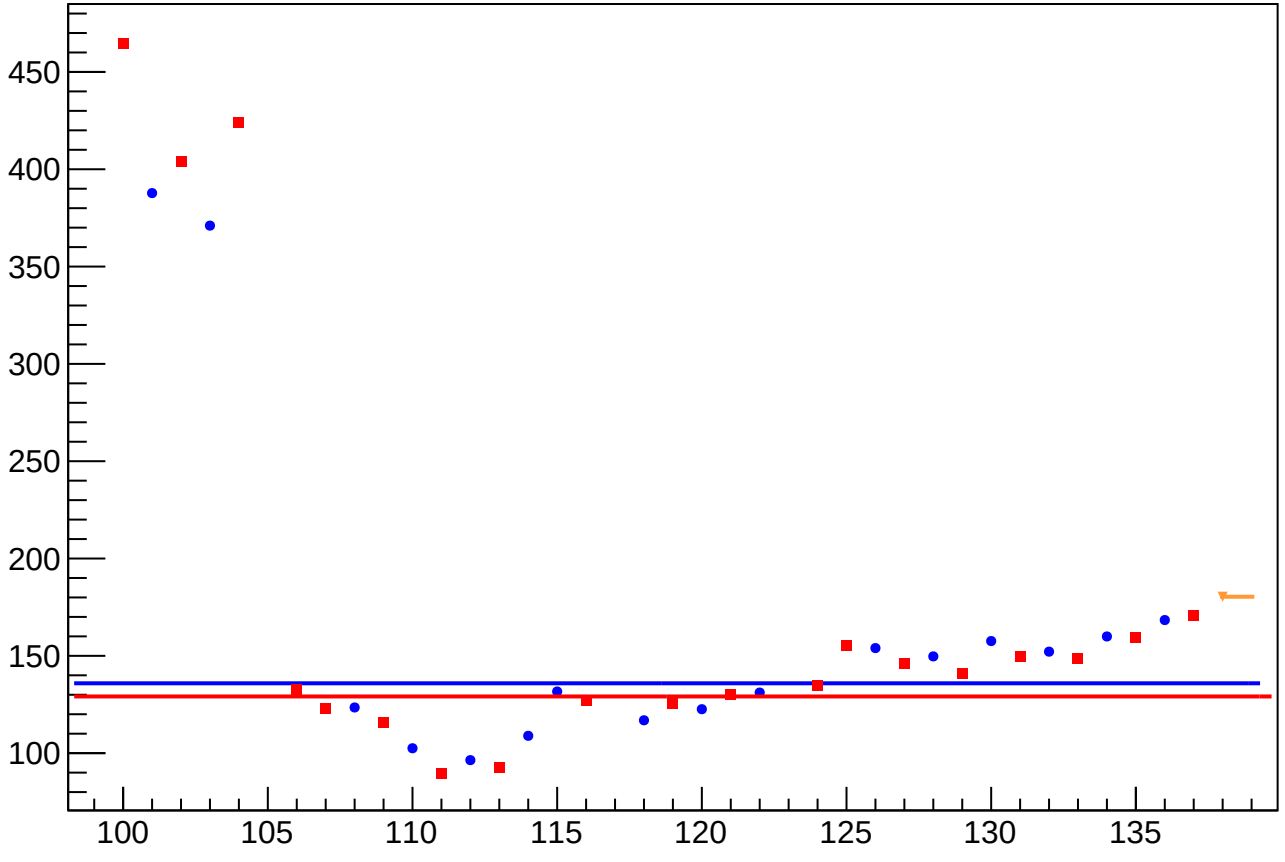
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 150568.638+/-0.055 χ^2/NDF:237155171.8/15

Out: 150684.179+/-0.049 χ^2/NDF:297558826.7/19

All: 150632.080+/-0.037 χ^2/NDF: 53717187

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 180.365+/-0.146 χ^2/NDF:0.0/0

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

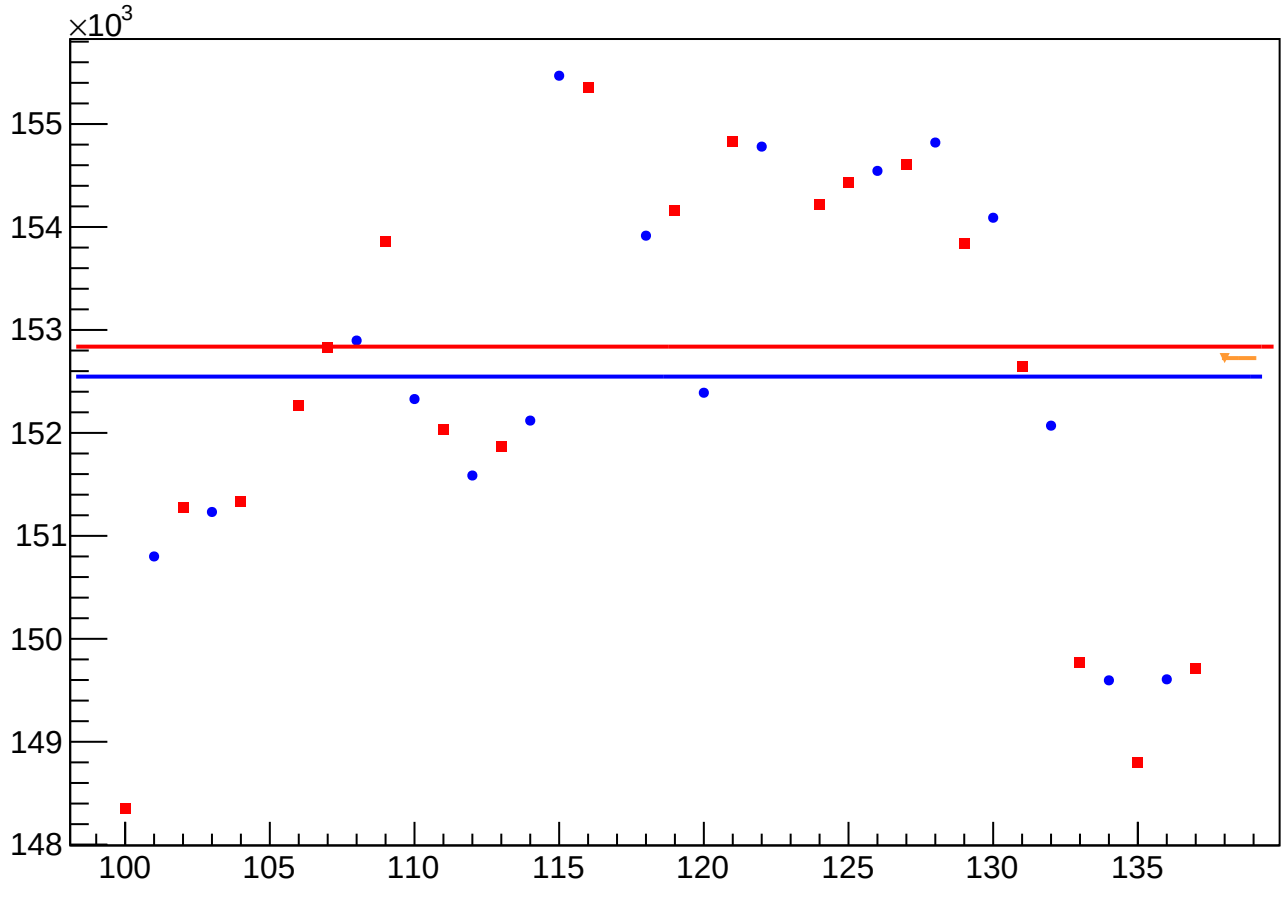
Left: 180.365+/-0.146 χ^2/NDF: 0.0/0

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 135.896+/-0.039 χ^2/NDF:1416332.3/15

Out: 132.088+/-0.035 χ^2/NDF:1730922.7/19

All: 133.805+/-0.026 χ^2/NDF: 3152594.0/35



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152726.627+/-0.197 χ^2/NDF:0.0/0

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 152726.627+/-0.197 χ^2/NDF: 0.0/0

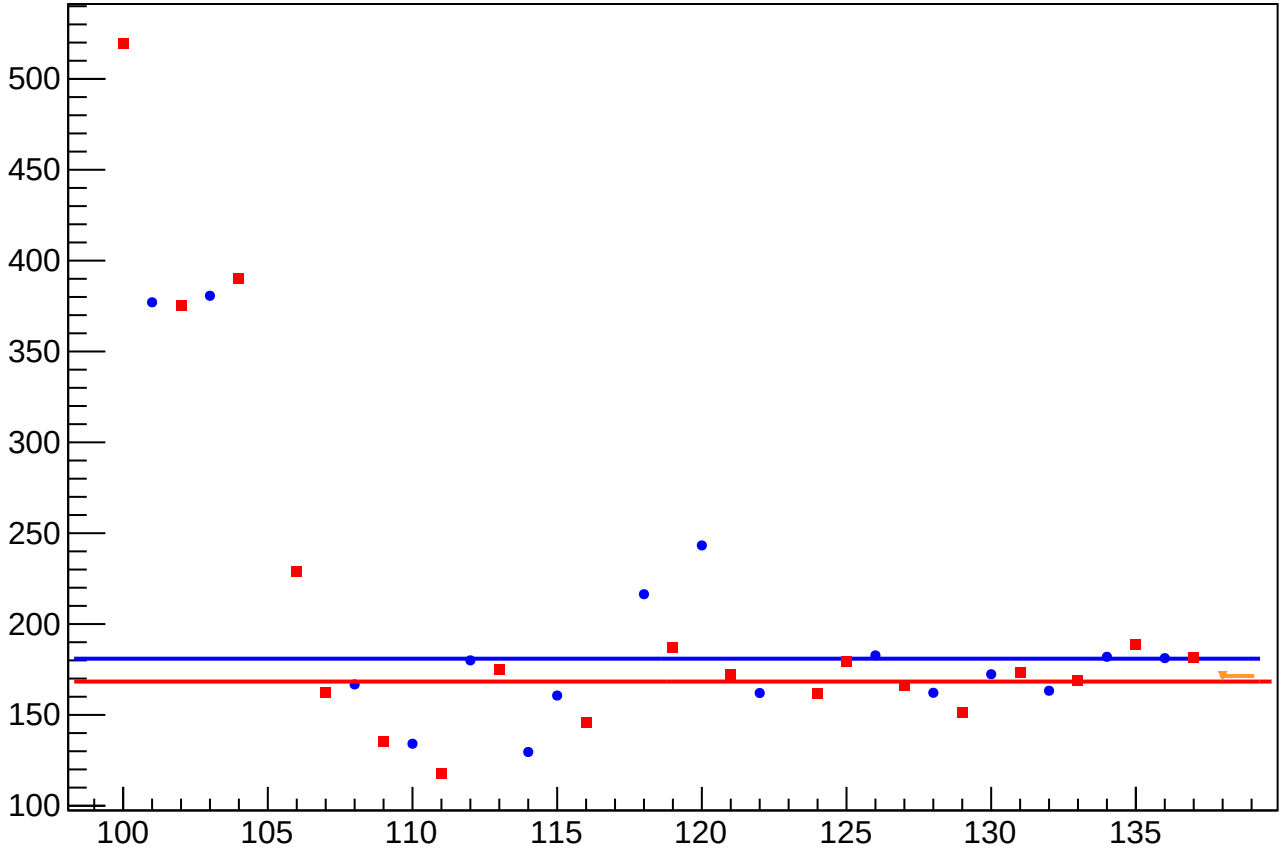
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152546.899+/-0.073 χ^2/NDF:654540559.6/15

Out: 152826.493+/-0.063 χ^2/NDF:737192392.7/19

All: 152706.086+/-0.048 χ^2/NDF: 140017360

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 171.395+/-0.140 χ^2/NDF:0.0/0

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

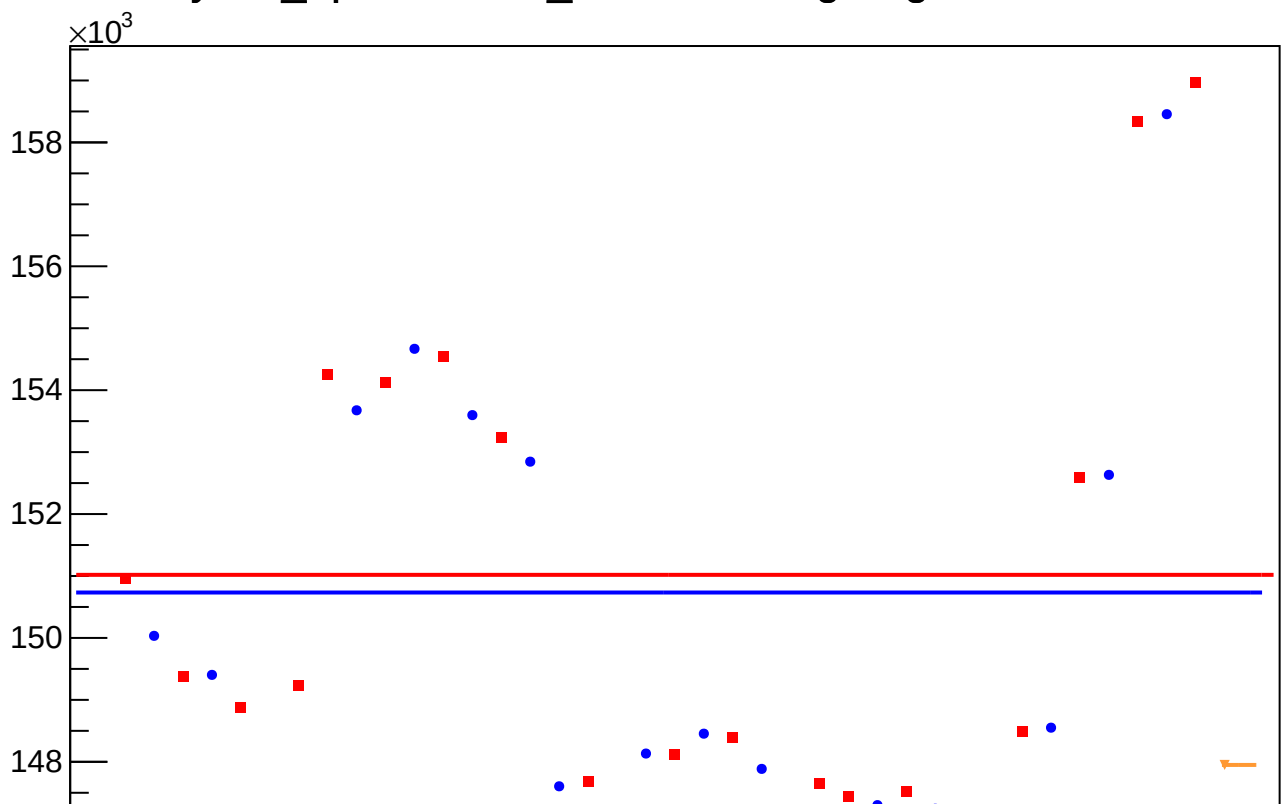
Left: 171.395+/-0.140 χ^2/NDF: 0.0/0

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 180.938+/-0.051 χ^2/NDF:907758.2/15

Out: 168.661+/-0.045 χ^2/NDF:1089517.8/19

All: 173.948+/-0.034 χ^2/NDF: 2029826.9/35



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 147949.544+/-0.208 χ^2/NDF:0.0/0

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 147949.544+/-0.208 χ^2/NDF: 0.0/0

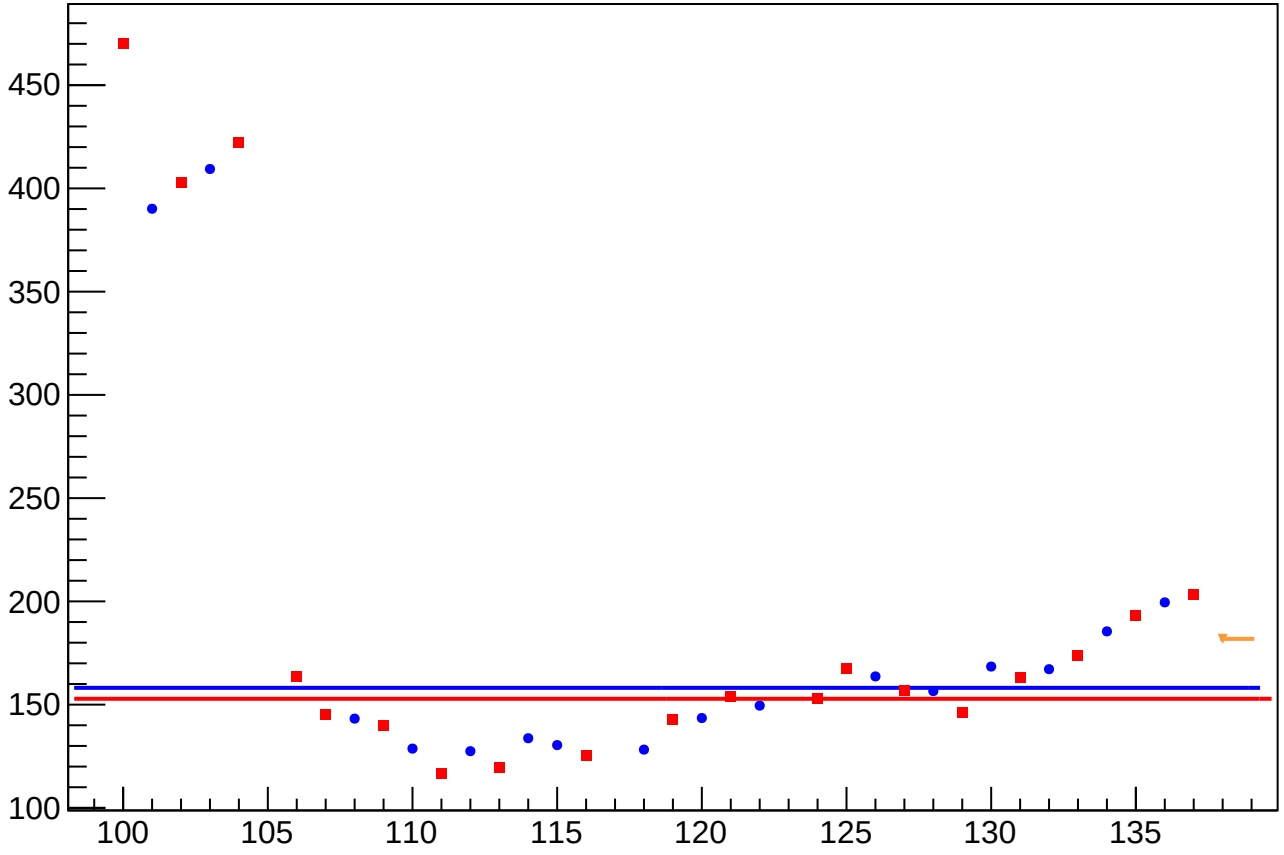
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 150733.301+/-0.063 χ^2/NDF:3283848751.0/15

Out: 150782.441+/-0.058 χ^2/NDF:3486995646.5/1

All: 150759.986+/-0.043 χ^2/NDF: 67711758

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 181.861+/-0.147 χ^2/NDF:0.0/0

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

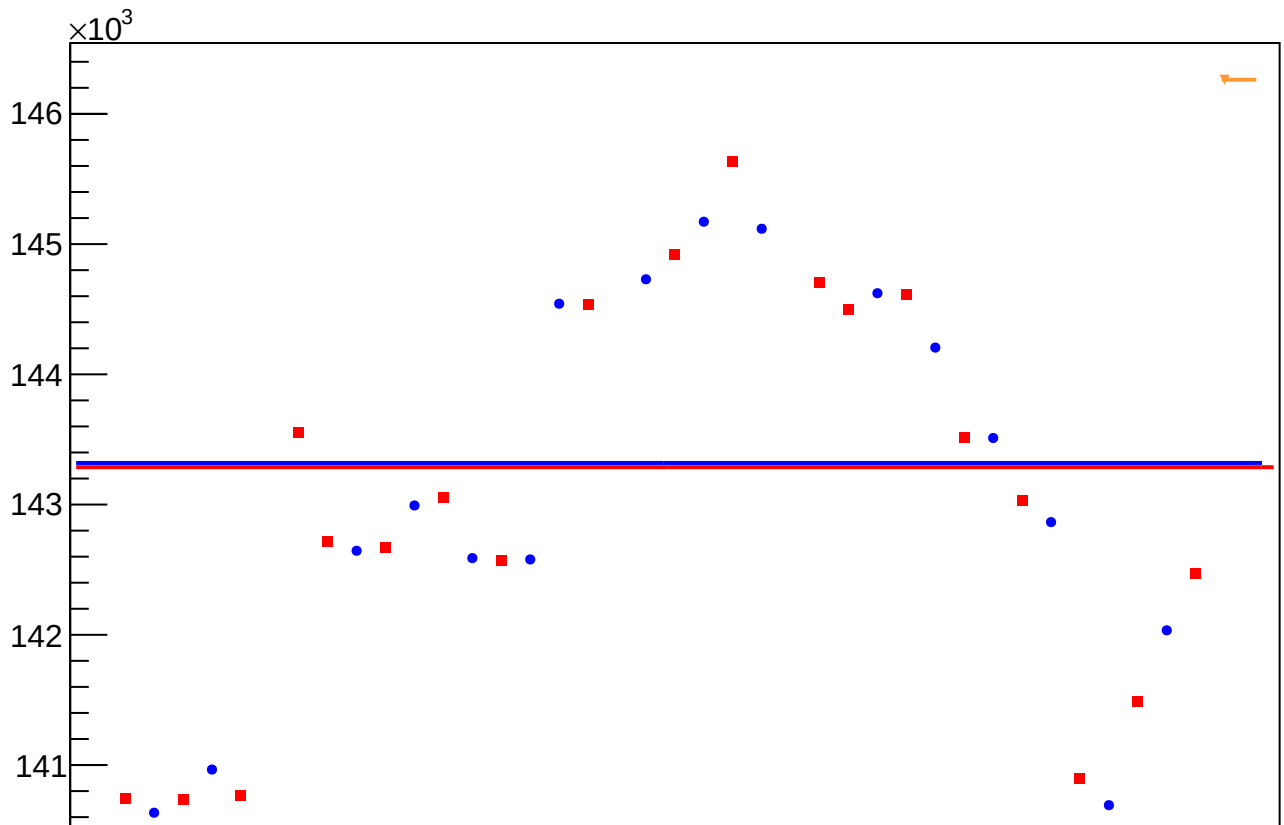
Left: 181.861+/-0.147 χ^2/NDF: 0.0/0

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 158.138+/-0.044 χ^2/NDF:1195699.5/15

Out: 155.073+/-0.041 χ^2/NDF:1300156.1/19

All: 156.474+/-0.030 χ^2/NDF: 2498433.7/35



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 146262.473+/-0.207 χ^2/NDF:0.0/0

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 146262.473+/-0.207 χ^2/NDF: 0.0/0

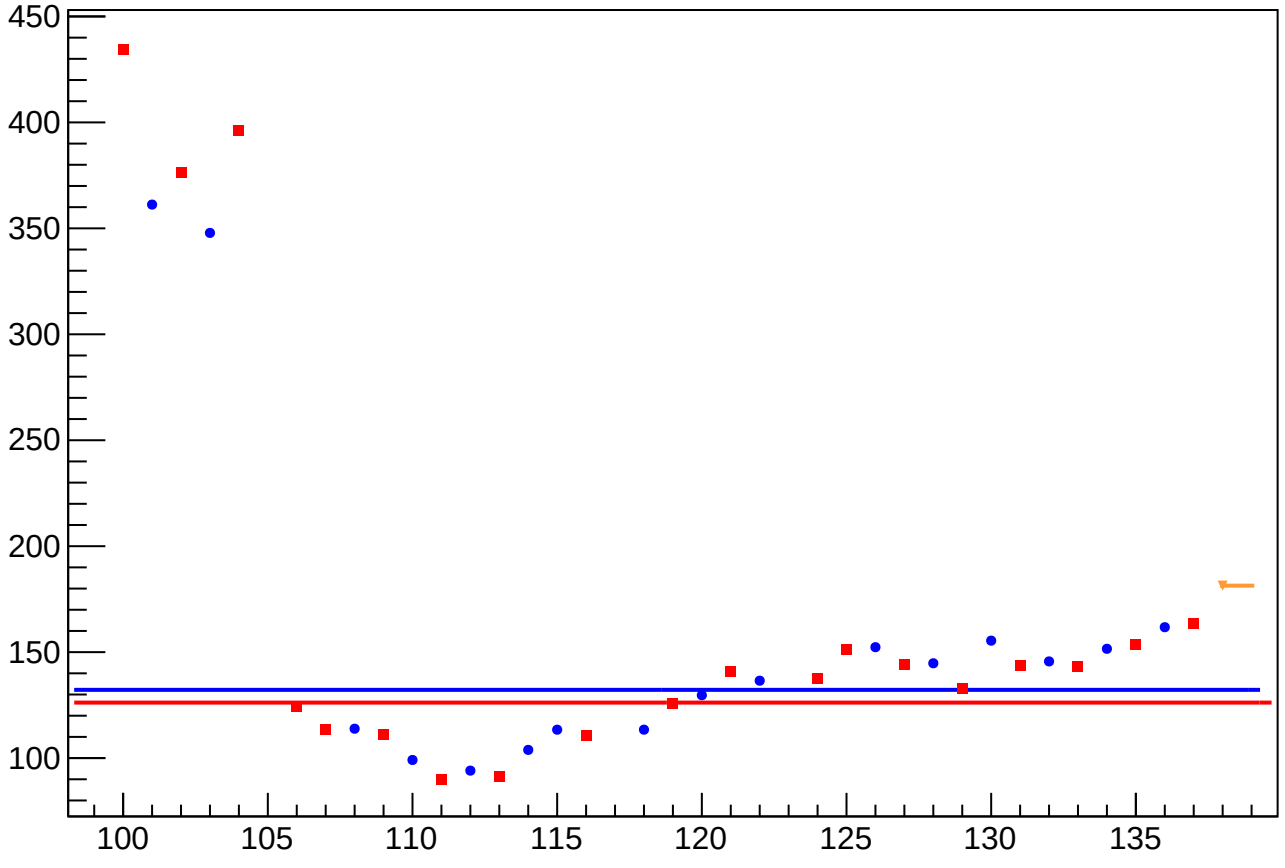
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 143319.651+/-0.053 χ^2/NDF:559301530.7/15

Out: 143448.732+/-0.048 χ^2/NDF:815341018.7/19

All: 143390.269+/-0.036 χ^2/NDF: 13778724

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 181.378+/-0.147 χ^2/NDF:0.0/0

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

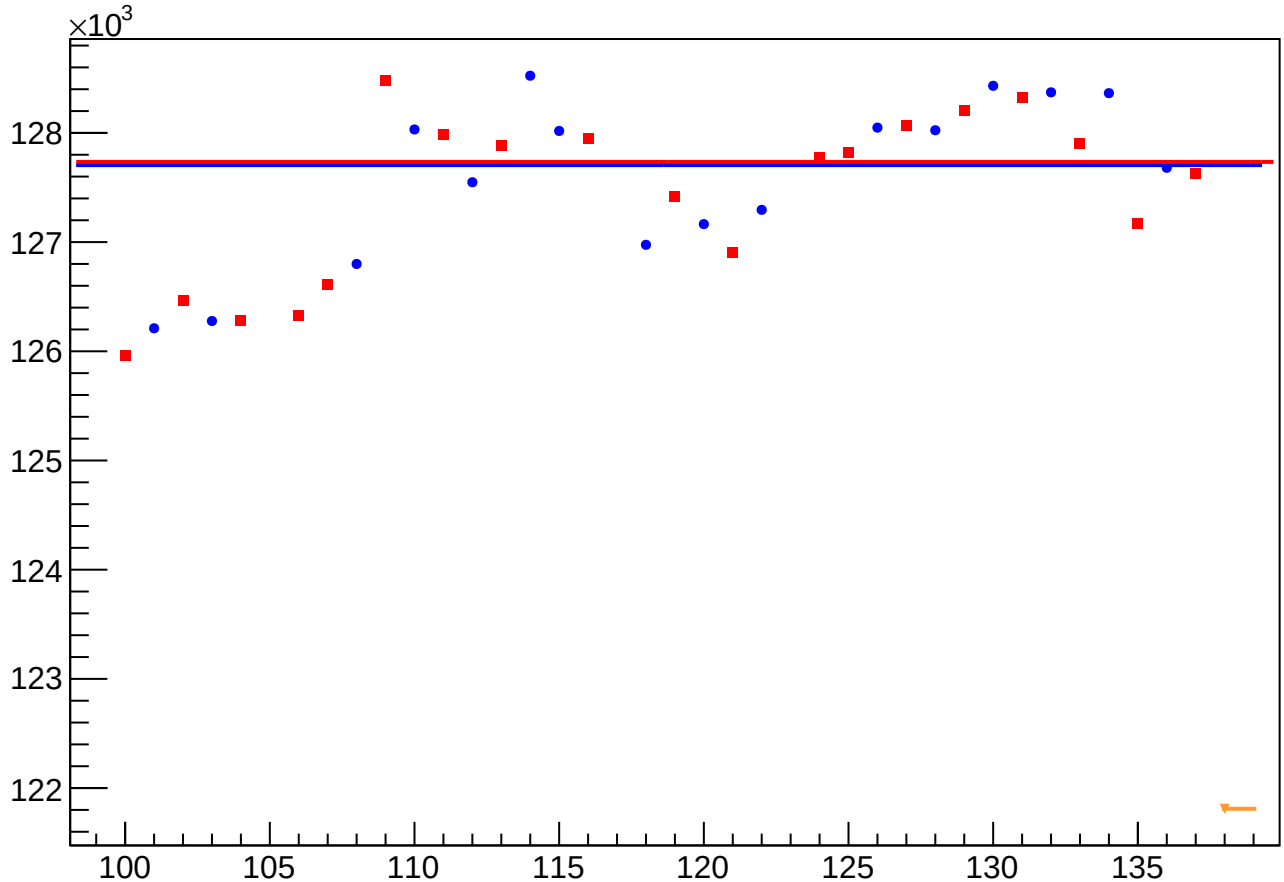
Left: 181.378+/-0.147 χ^2/NDF: 0.0/0

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 132.204+/-0.038 χ^2/NDF:1379168.6/15

Out: 129.192+/-0.034 χ^2/NDF:1679067.8/19

All: 130.556+/-0.025 χ^2/NDF: 3061755.2/35



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 121810.390+/-0.182 χ^2/NDF:0.0/0

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 121810.390+/-0.182 χ^2/NDF: 0.0/0

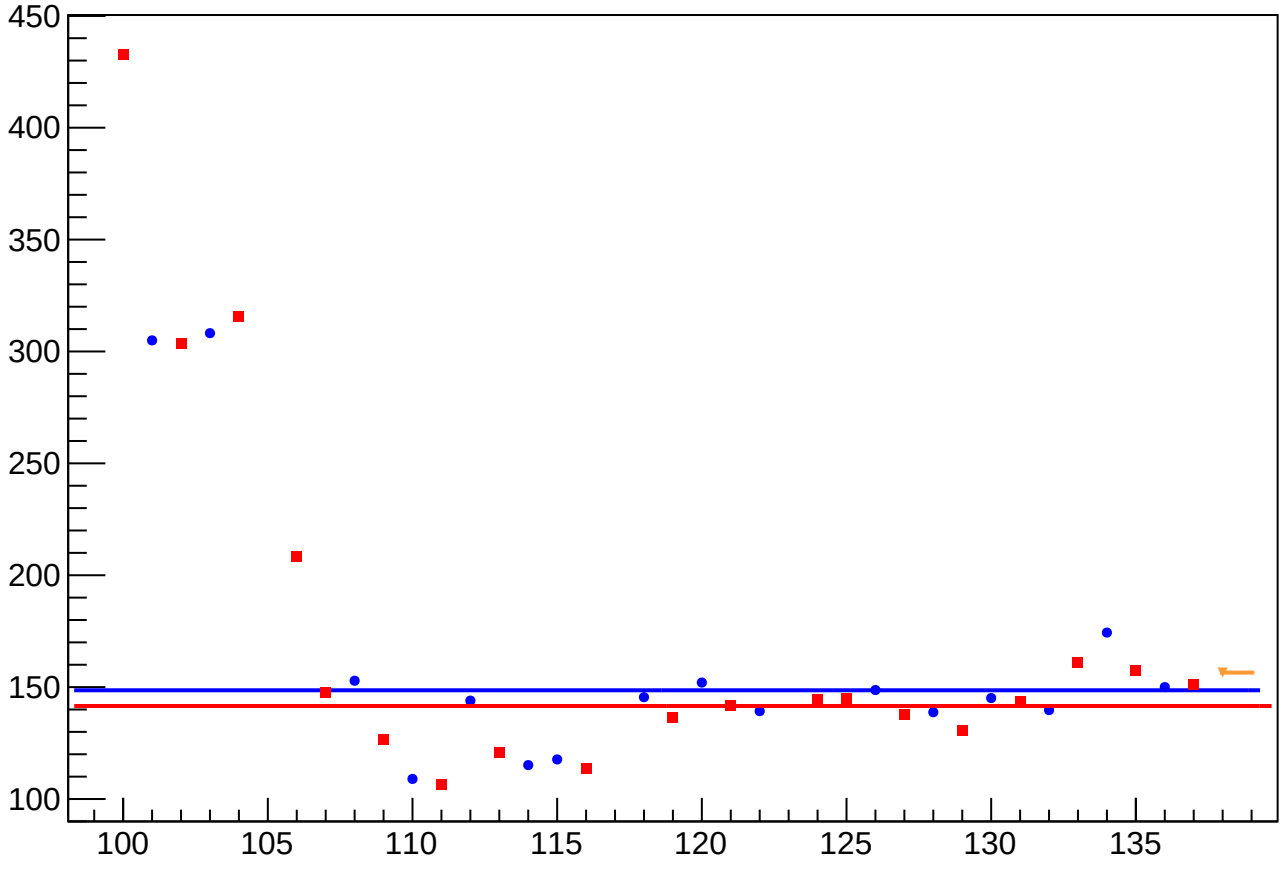
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 127705.222+/-0.058 χ^2/NDF:104467207.7/15

Out: 127241.296+/-0.053 χ^2/NDF:1078496541.9/1

All: 127448.922+/-0.039 χ^2/NDF: 12178079

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 156.502+/-0.129 χ^2/NDF:0.0/0

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

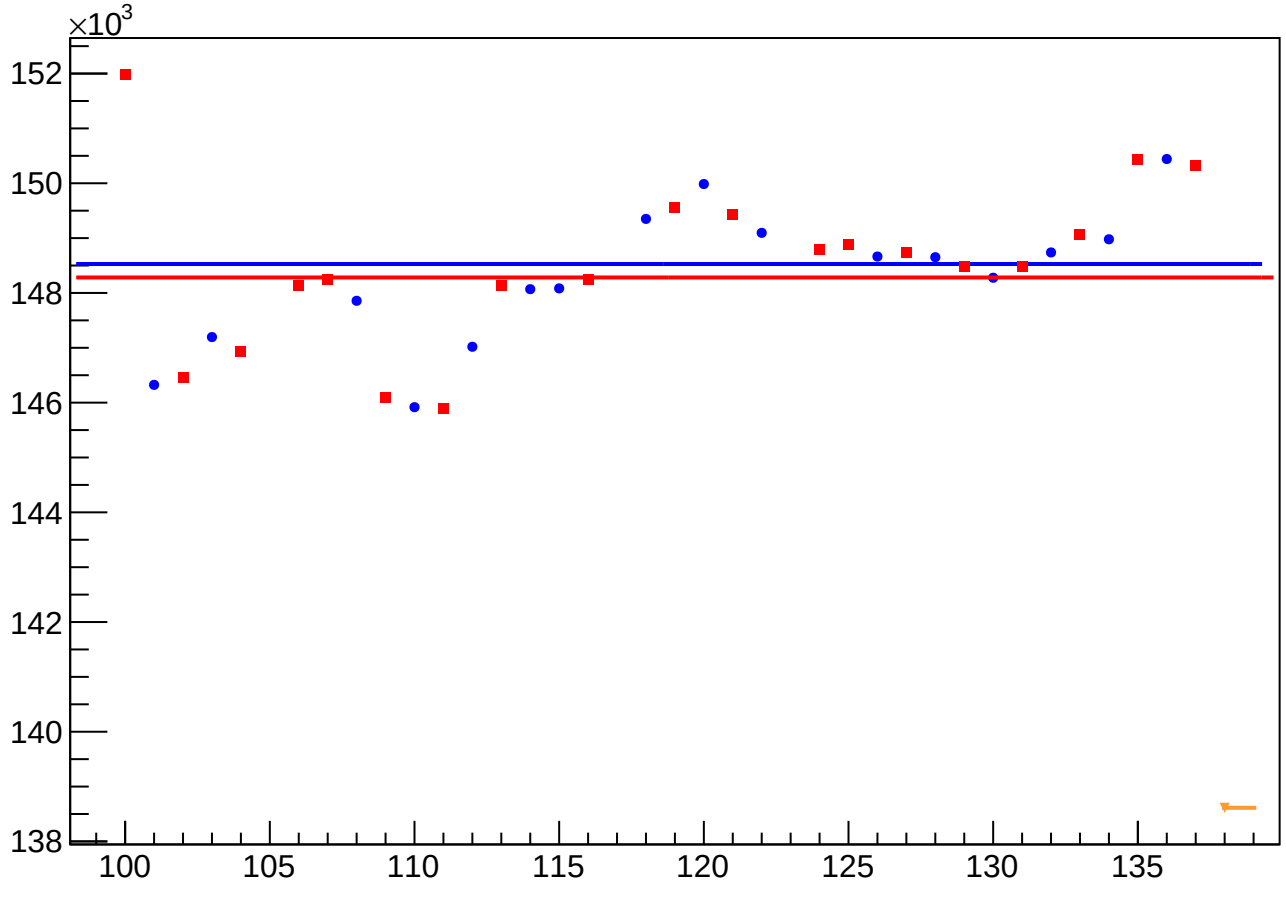
Left: 156.502+/-0.129 χ^2/NDF: 0.0/0

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 148.593+/-0.041 χ^2/NDF:827701.4/15

Out: 142.807+/-0.037 χ^2/NDF:1013549.7/19

All: 145.396+/-0.028 χ^2/NDF: 1852091.3/35



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 138613.313+/-0.278 χ^2/NDF:0.0/0

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 138613.313+/-0.278 χ^2/NDF: 0.0/0

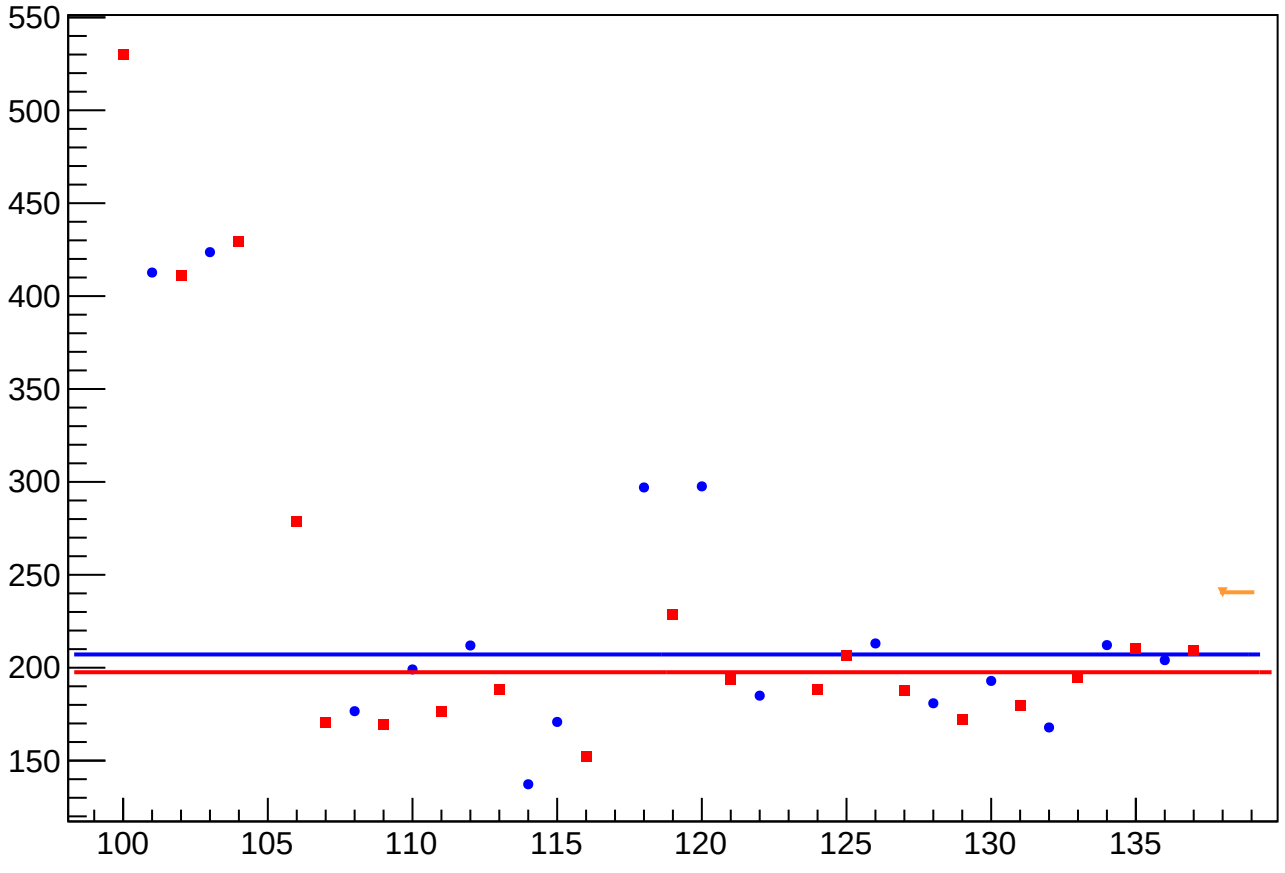
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 148527.678+/-0.082 χ^2/NDF:209208133.0/15

Out: 147598.208+/-0.074 χ^2/NDF:1421289635.3/1

All: 148014.785+/-0.055 χ^2/NDF: 17014992

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 240.594+/-0.196 χ^2/NDF:0.0/0

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

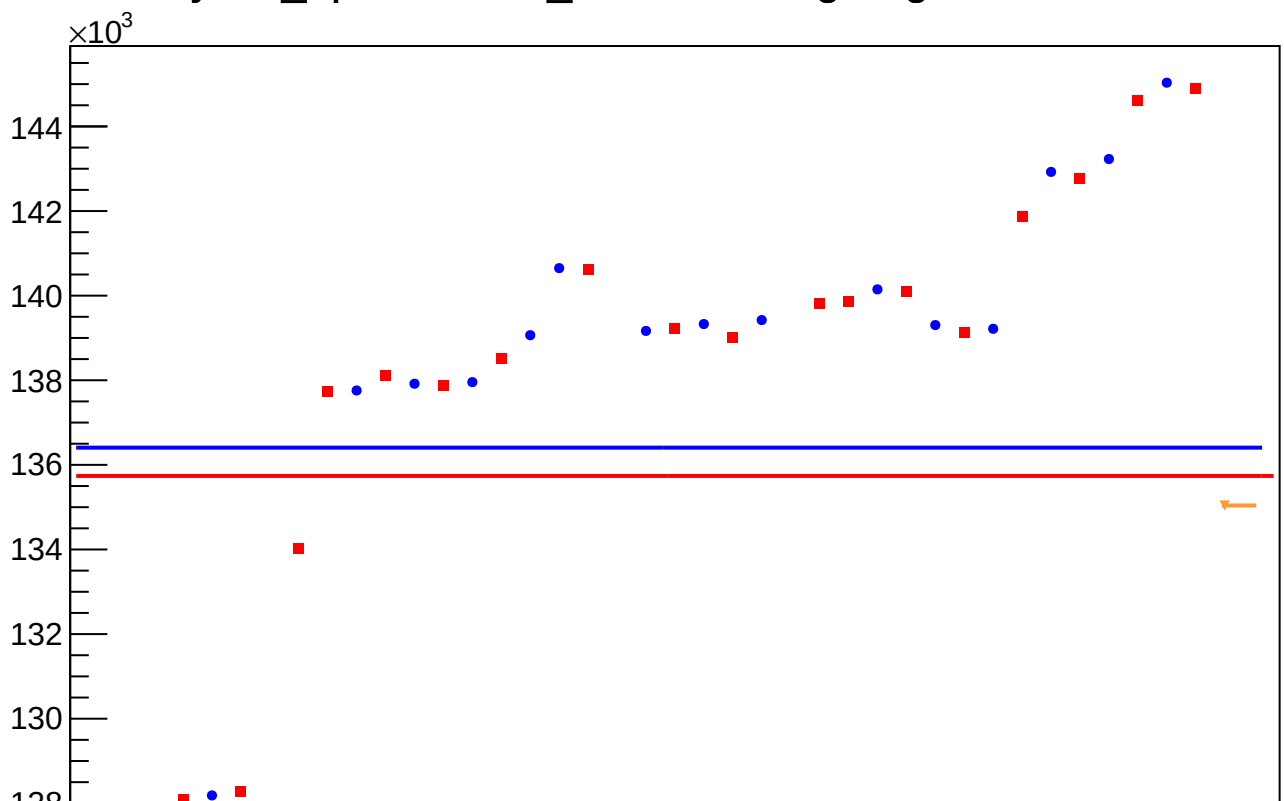
Left: 240.594+/-0.196 χ^2/NDF: 0.0/0

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 207.135+/-0.058 χ^2/NDF:972216.9/15

Out: 200.614+/-0.052 χ^2/NDF:948613.5/19

All: 203.536+/-0.039 χ^2/NDF: 1927820.5/35



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 135040.541+/-0.572 χ^2/NDF:0.0/0

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 135040.541+/-0.572 χ^2/NDF: 0.0/0

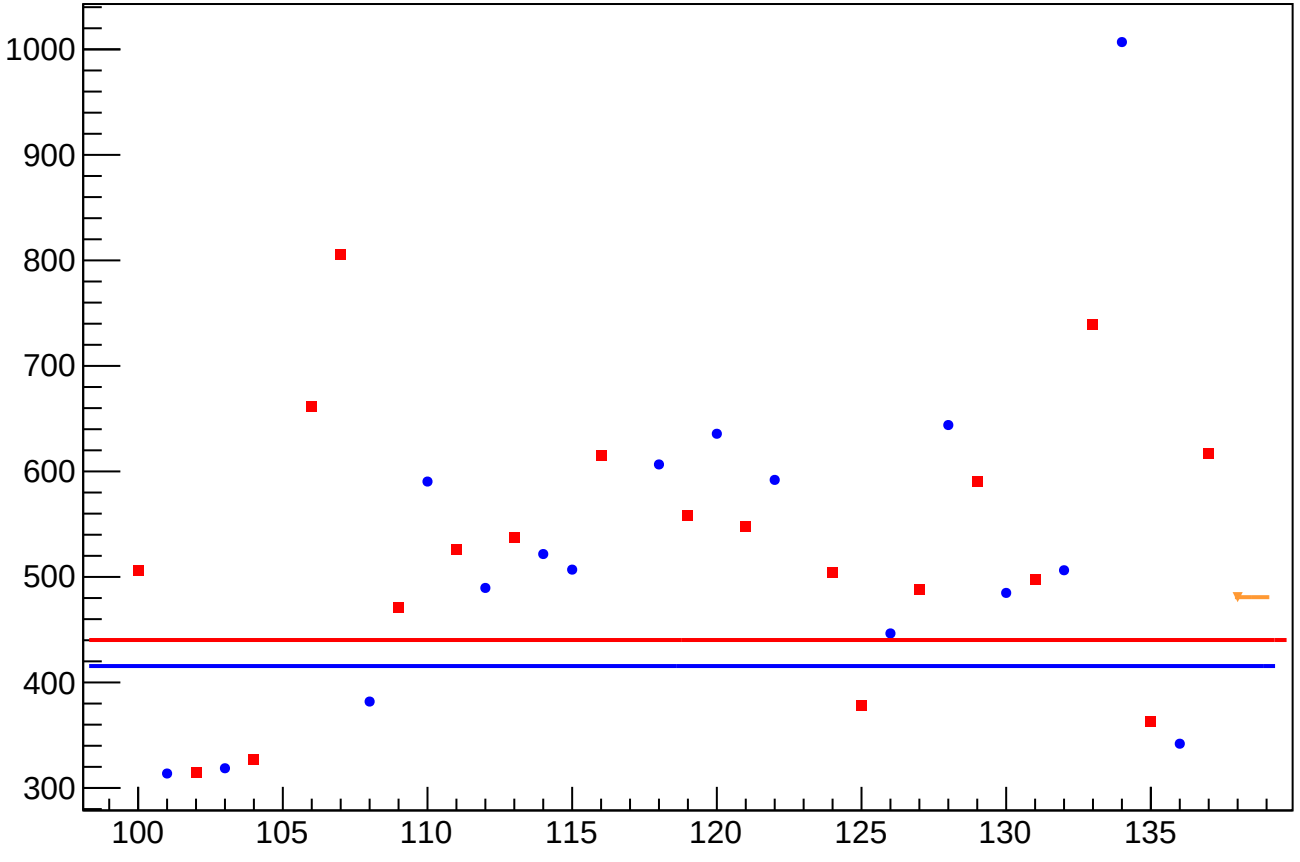
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 136406.923+/-0.169 χ^2/NDF:1577071044.7/15

Out: 135677.663+/-0.169 χ^2/NDF:1175482134.1/1

All: 136042.793+/-0.119 χ^2/NDF: 27618975

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 480.825+/-0.405 χ^2/NDF:0.0/0

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

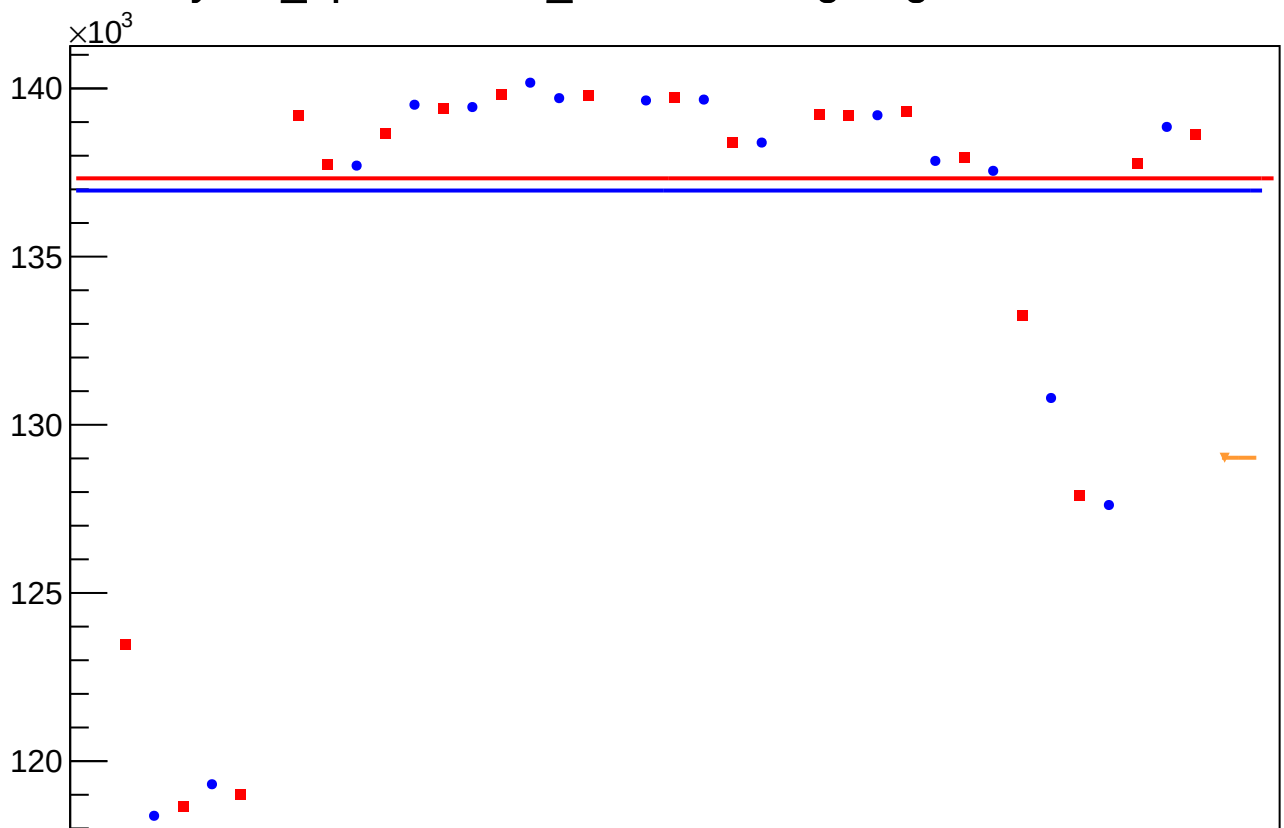
Left: 480.825+/-0.405 χ^2/NDF: 0.0/0

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 415.547+/-0.119 χ^2/NDF:1031600.7/15

Out: 443.752+/-0.119 χ^2/NDF:919987.6/19

All: 429.631+/-0.084 χ^2/NDF: 1979543.7/35



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129020.575+/-0.192 χ^2/NDF:0.0/0

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 129020.575+/-0.192 χ^2/NDF: 0.0/0

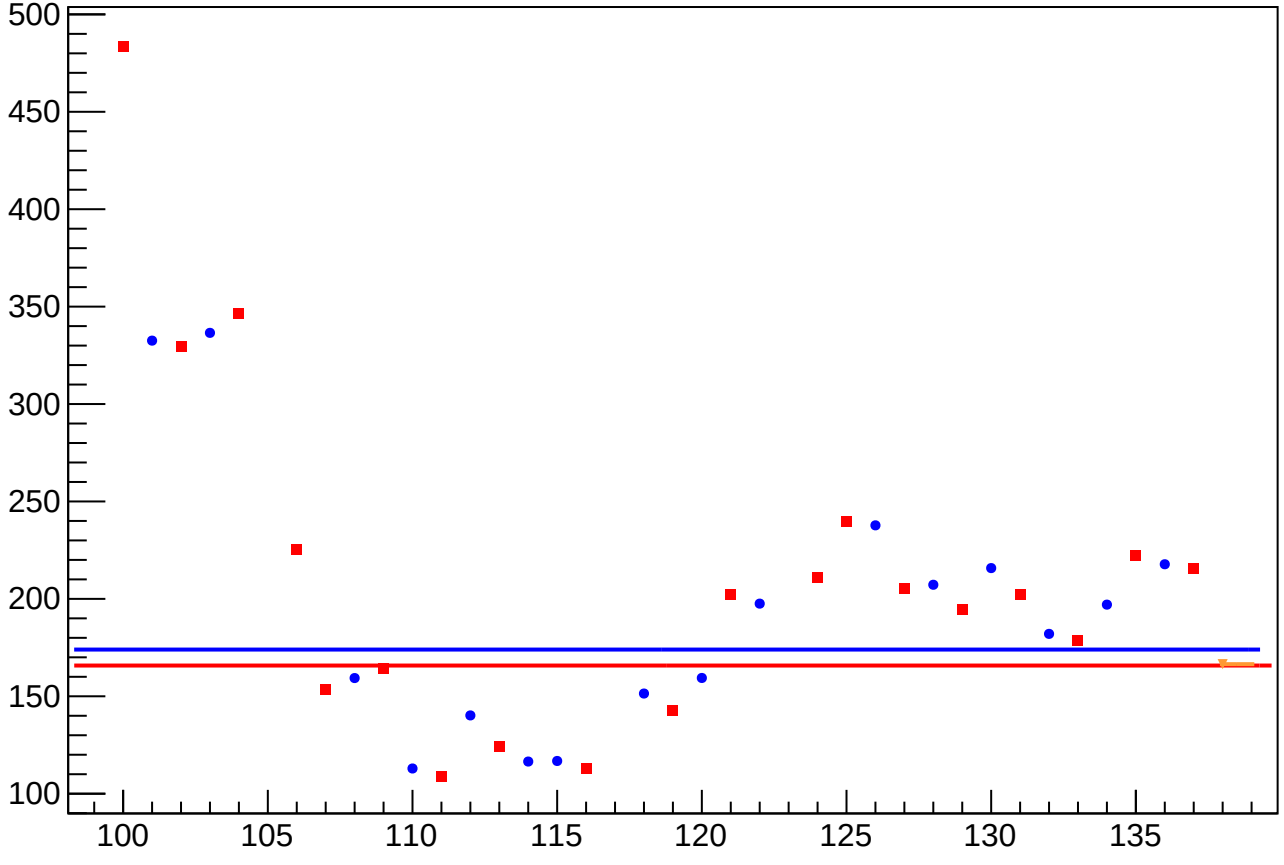
Right: 137157.181+/-0.048 χ^2/NDF: 11559848727.

In: 136964.958+/-0.070 χ^2/NDF:5807770301.4/15

Out: 136457.812+/-0.062 χ^2/NDF:7415020941.4/1

All: 136682.132+/-0.046 χ^2/NDF: 13252928

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 166.485+/-0.136 χ^2/NDF:0.0/0

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

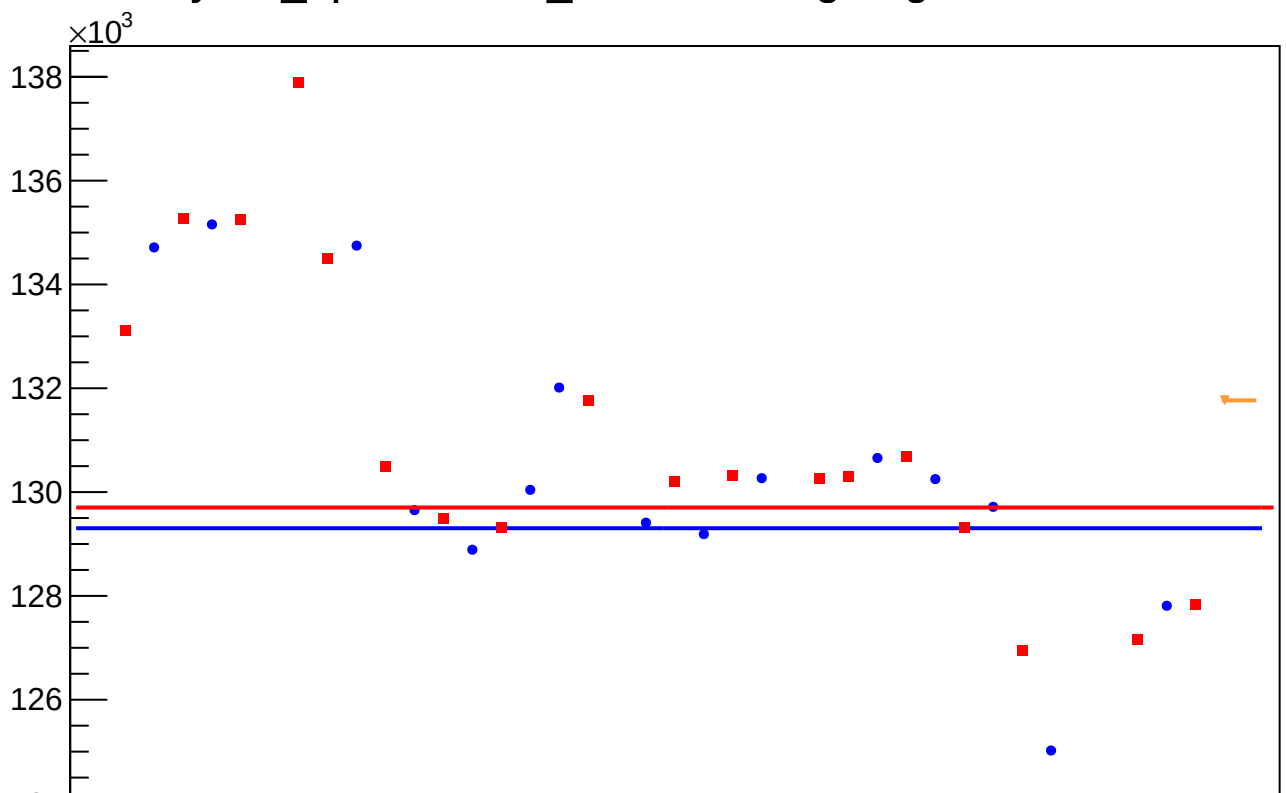
Left: 166.485+/-0.136 χ^2/NDF: 0.0/0

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 173.982+/-0.049 χ^2/NDF:1188493.1/15

Out: 165.854+/-0.044 χ^2/NDF:1433186.5/19

All: 169.449+/-0.033 χ^2/NDF: 2636833.8/35



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131767.191+/-0.188 χ^2/NDF:0.0/0

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 131767.191+/-0.188 χ^2/NDF: 0.0/0

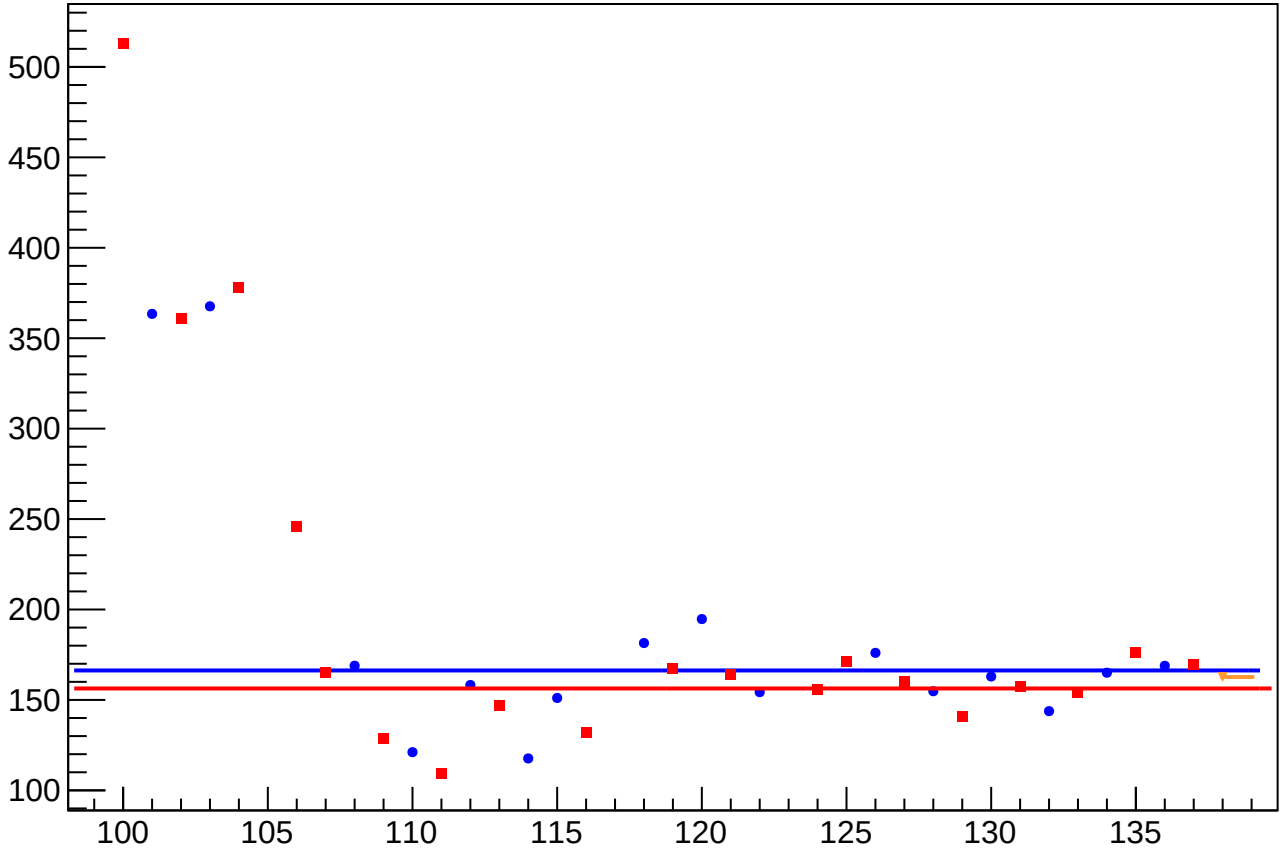
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 129303.894+/-0.066 χ^2/NDF:1650235360.7/15

Out: 129902.420+/-0.058 χ^2/NDF:1886666106.3/1

All: 129640.039+/-0.044 χ^2/NDF: 35828085

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 162.659+/-0.133 χ^2/NDF:0.0/0

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

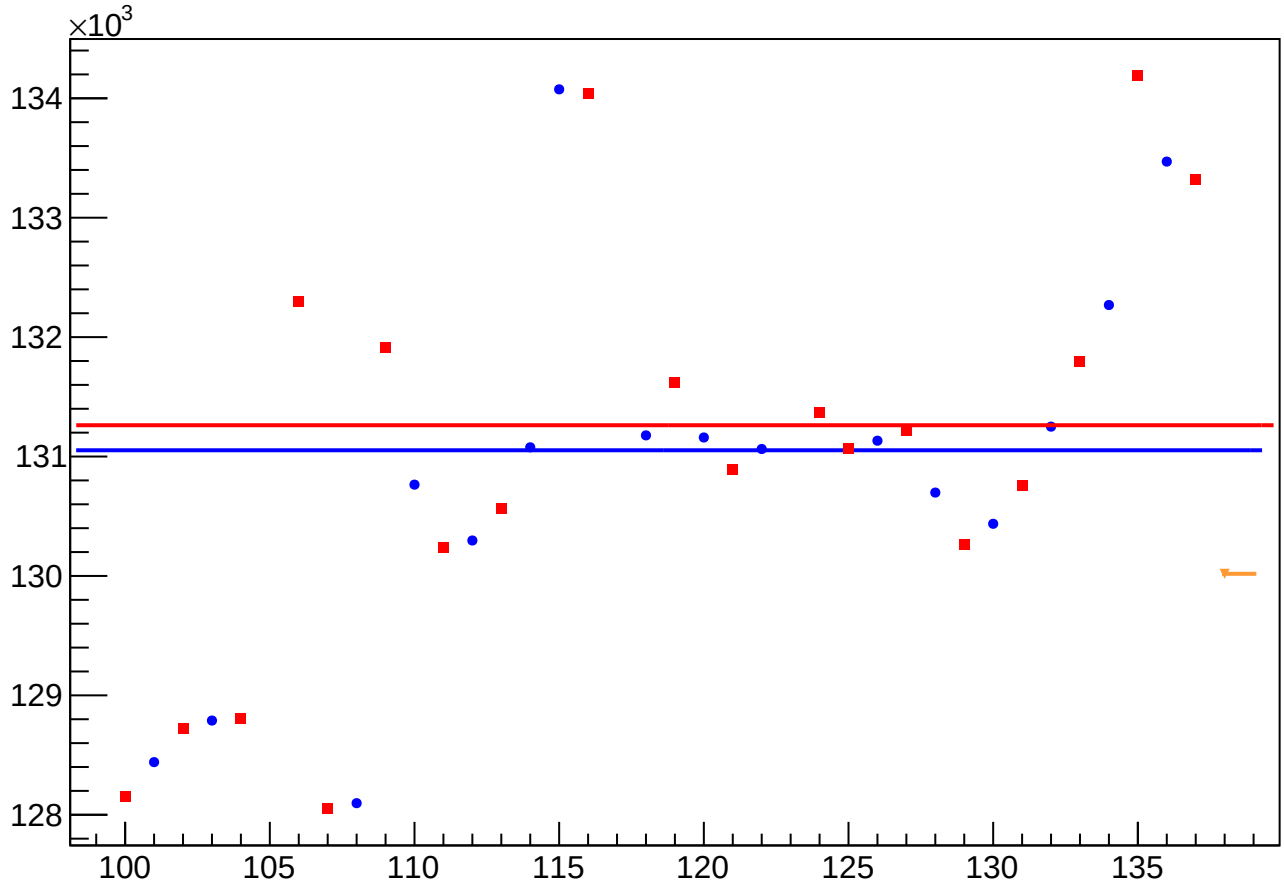
Left: 162.659+/-0.133 χ^2/NDF: 0.0/0

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 166.302+/-0.047 χ^2/NDF:937947.6/15

Out: 156.946+/-0.041 χ^2/NDF:1174879.8/19

All: 161.048+/-0.031 χ^2/NDF: 2135262.5/35



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 130017.986+/-0.178 χ^2/NDF:0.0/0

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 130017.986+/-0.178 χ^2/NDF: 0.0/0

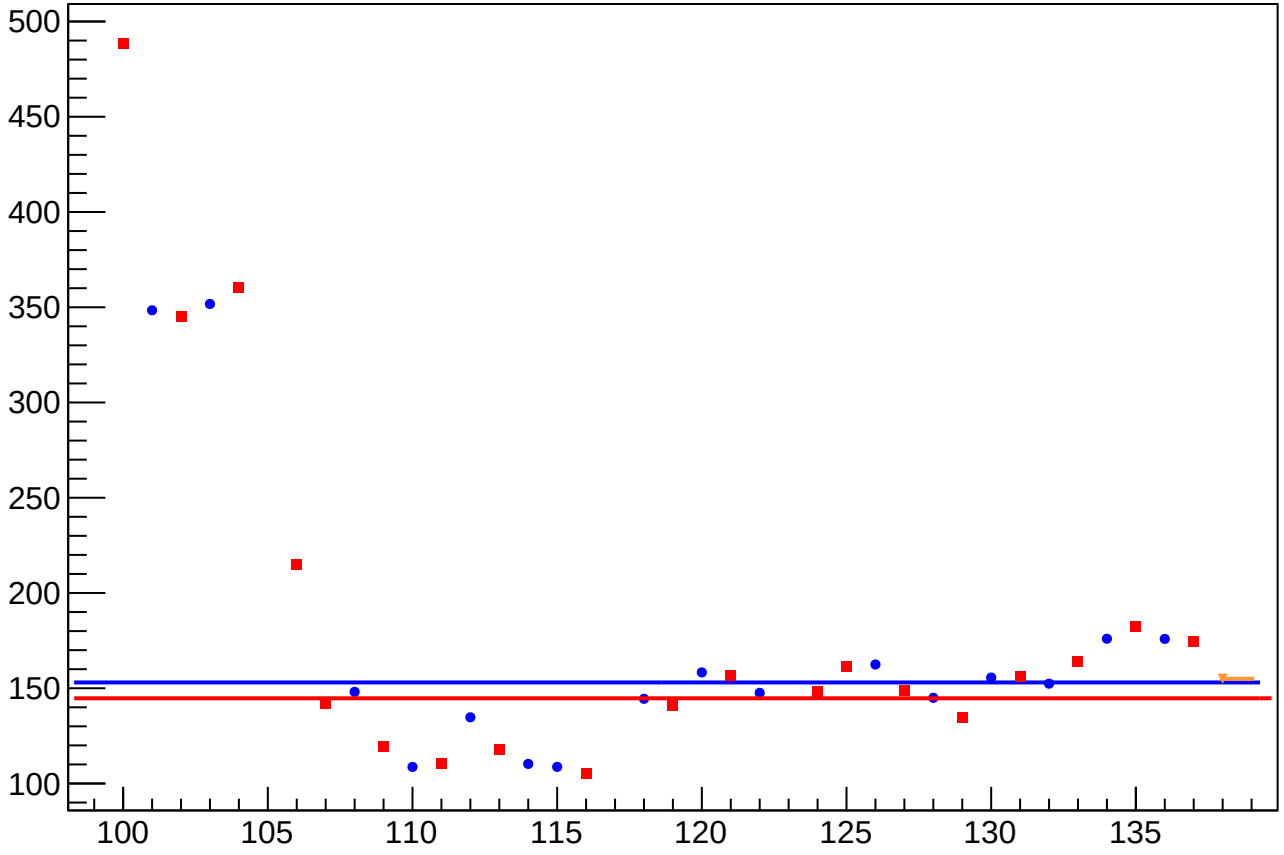
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 131052.422+/-0.061 χ^2/NDF:523713045.8/15

Out: 131147.831+/-0.054 χ^2/NDF:648610527.3/19

All: 131105.637+/-0.040 χ^2/NDF: 11737042

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 154.973+/-0.126 χ^2/NDF:0.0/0

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

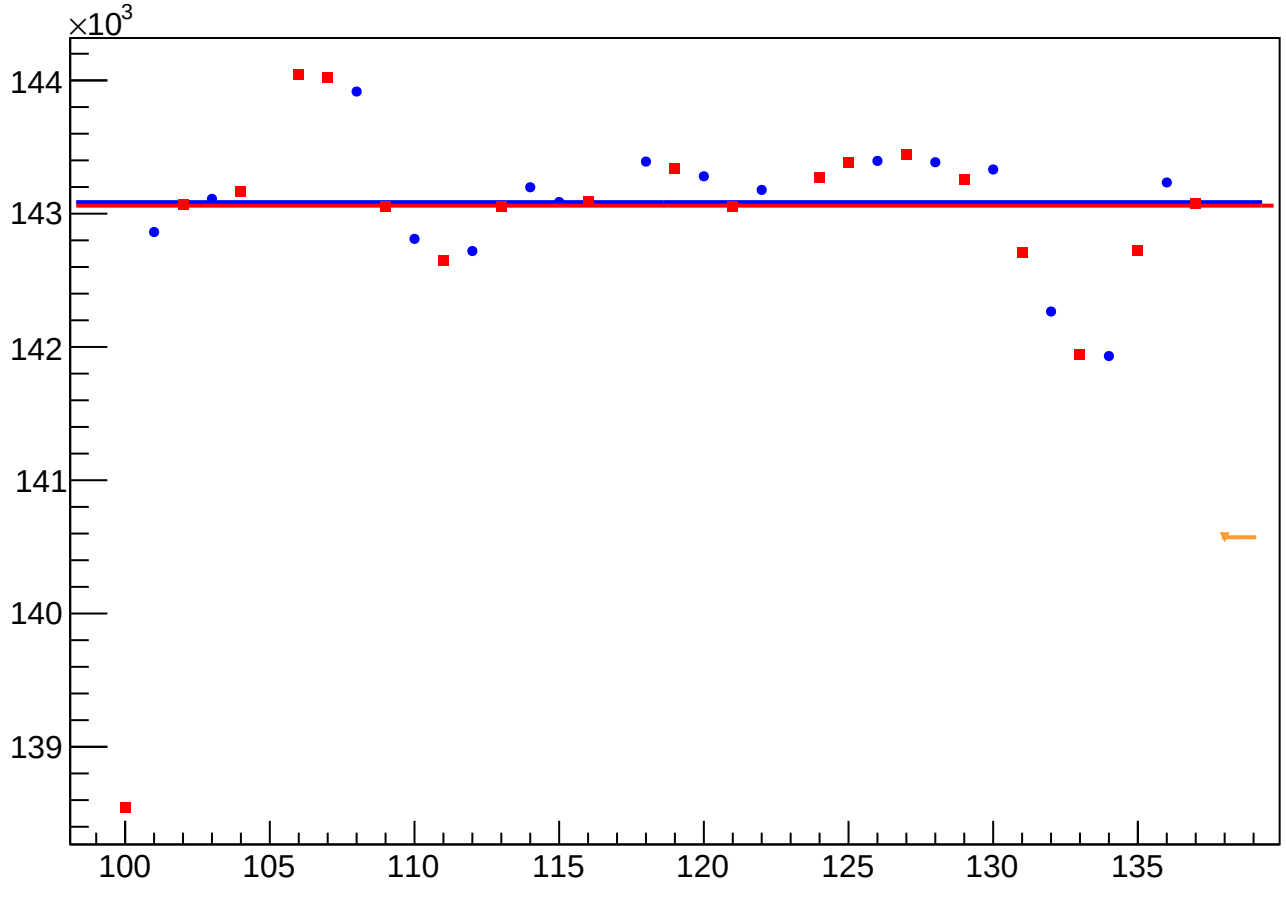
Left: 154.973+/-0.126 χ^2/NDF: 0.0/0

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

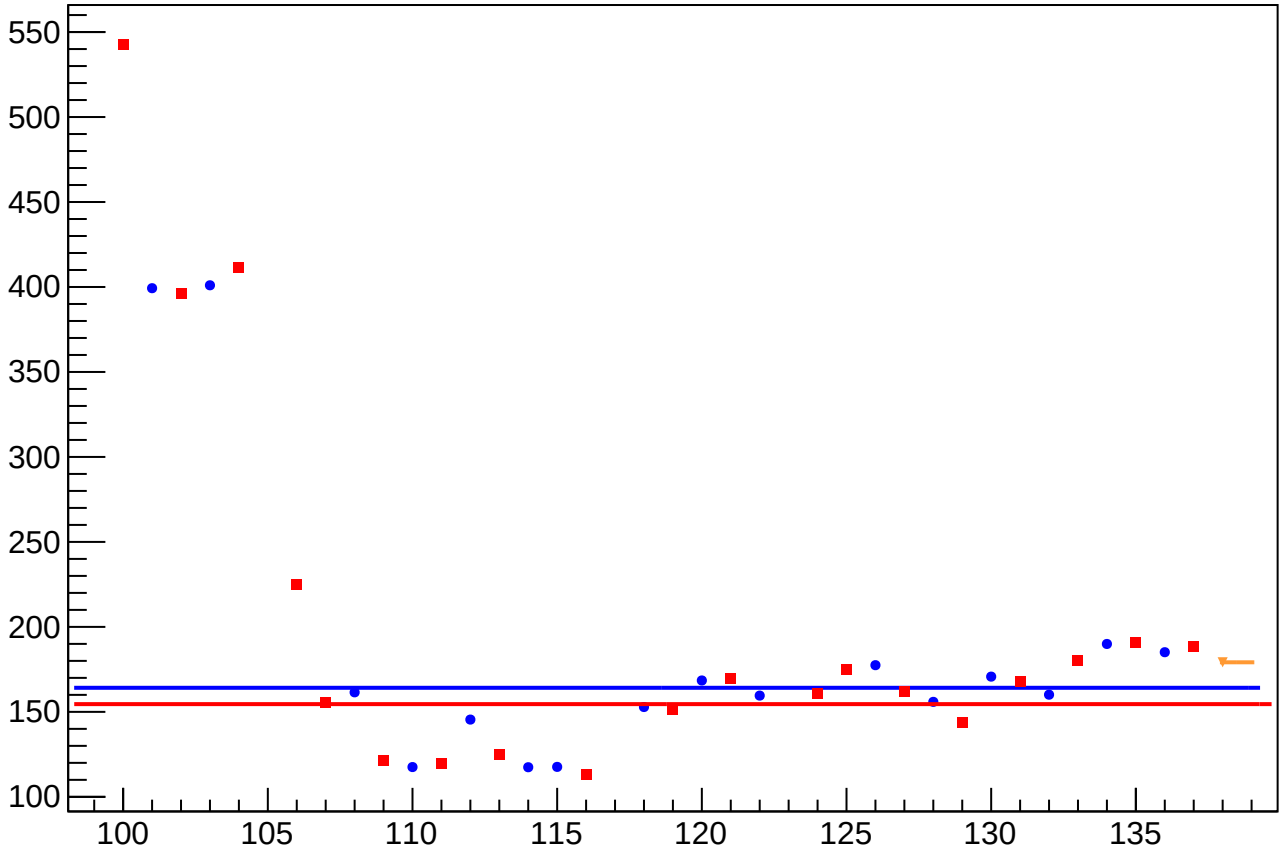
In: 153.043+/-0.043 χ^2/NDF:1059470.3/15

Out: 145.672+/-0.038 χ^2/NDF:1269431.5/19

All: 148.932+/-0.029 χ^2/NDF: 2345380.4/35


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
144
143
142
141
140
139
100
105
110
115
120
125
130
135
Right In: 143086.477+/-0.065 χ²/NDF: 46726277.8/15
Left Out: 140572.010+/-0.208 χ²/NDF:0.0/0
Right Out: 143060.268+/-0.061 χ²/NDF: 51715744.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 140572.010+/-0.208 χ²/NDF: 0.0/0
Right: 143072.451+/-0.044 χ²/NDF: 98528807.3/34
In: 143086.477+/-0.065 χ²/NDF:46726277.8/15
Out: 142864.455+/-0.058 χ²/NDF:184149227.5/19
All: 142963.146+/-0.043 χ²/NDF: 23733989

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 179.166+/-0.147 χ^2/NDF:0.0/0

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

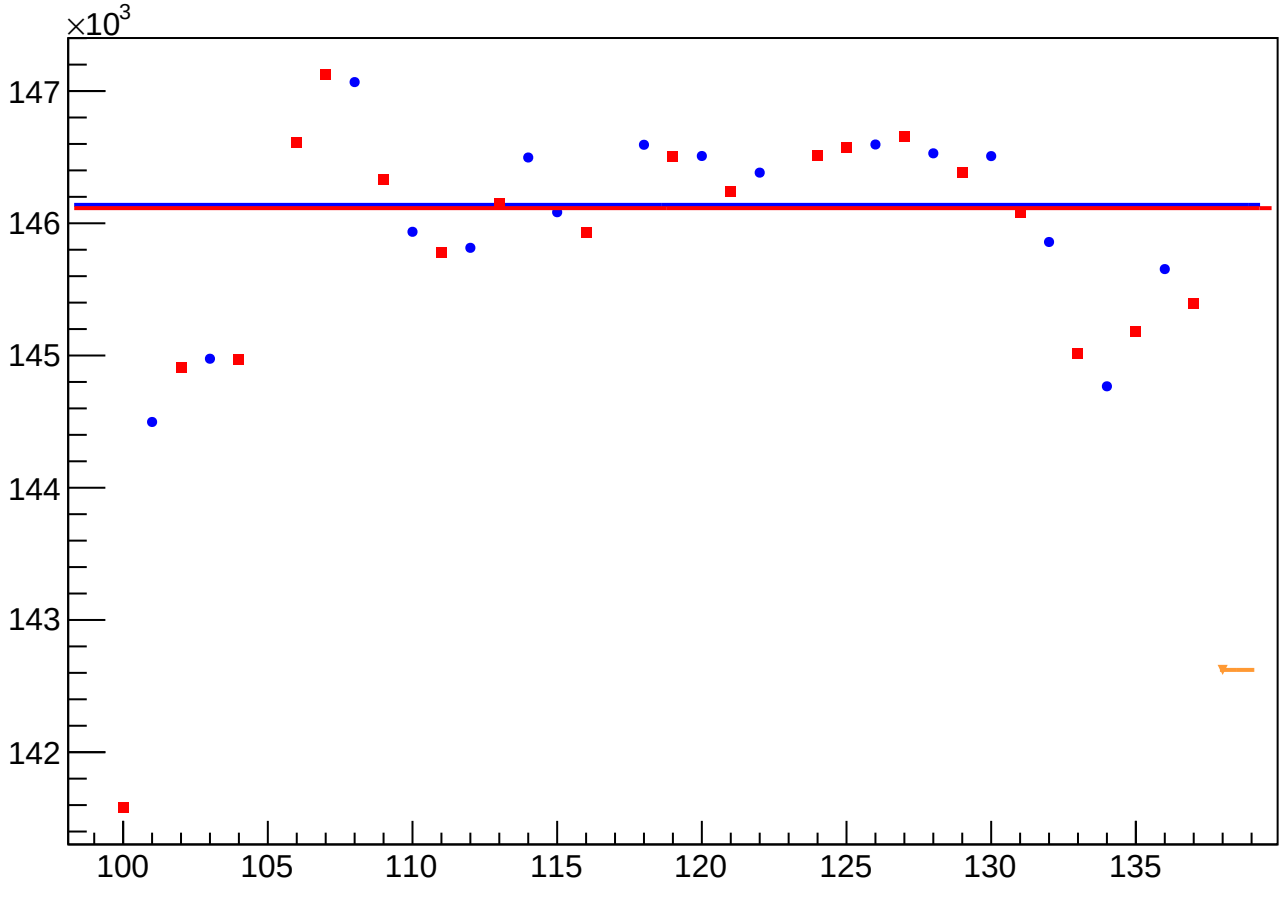
Left: 179.166+/-0.147 χ^2/NDF: 0.0/0

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 164.167+/-0.046 χ^2/NDF:1129764.4/15

Out: 156.494+/-0.041 χ^2/NDF:1392735.6/19

All: 159.905+/-0.031 χ^2/NDF: 2537938.6/35



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 142622.308+/-0.207 χ^2/NDF:0.0/0

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 142622.308+/-0.207 χ^2/NDF: 0.0/0

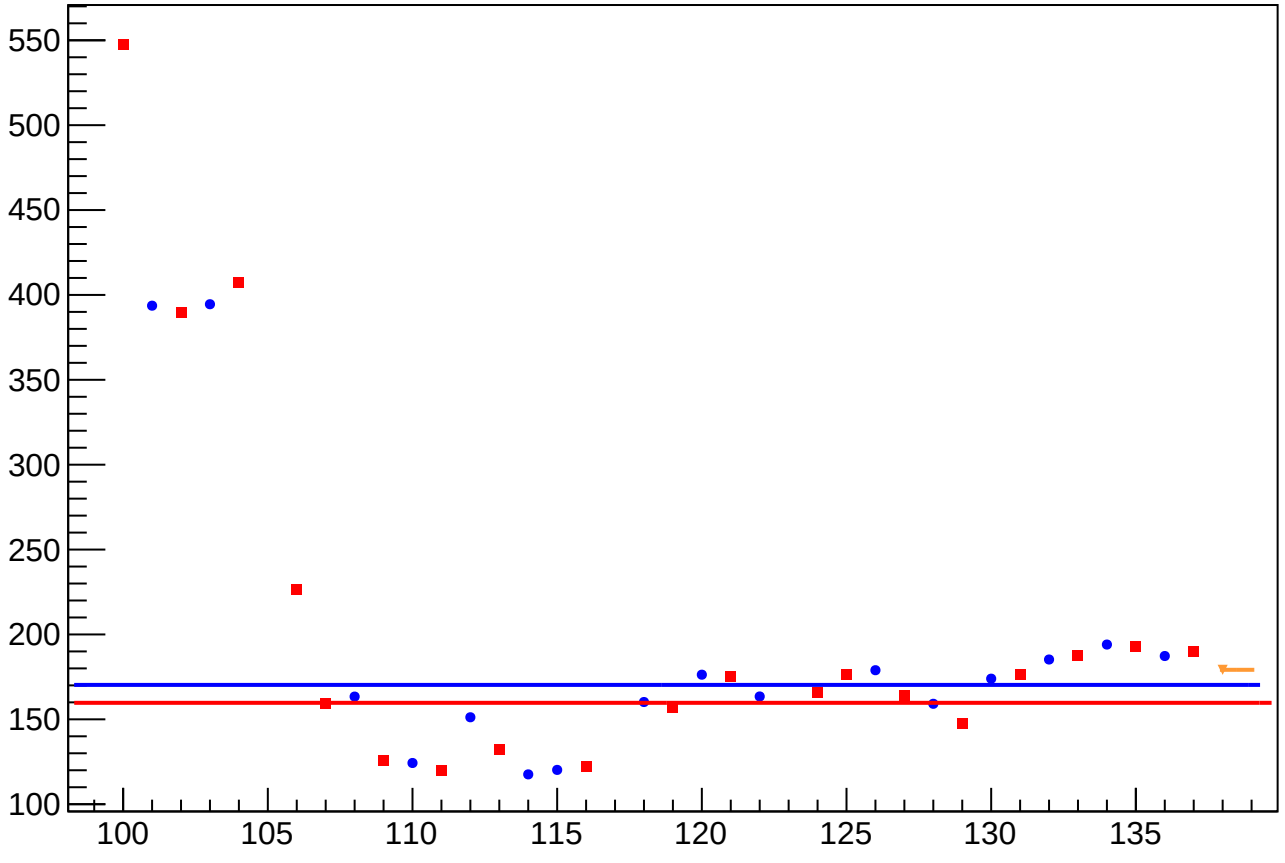
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146139.237+/-0.067 χ^2/NDF:71721843.8/15

Out: 145823.441+/-0.060 χ^2/NDF:333437594.8/19

All: 145962.608+/-0.045 χ^2/NDF: 41744108

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 179.171+/-0.147 χ^2/NDF:0.0/0

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

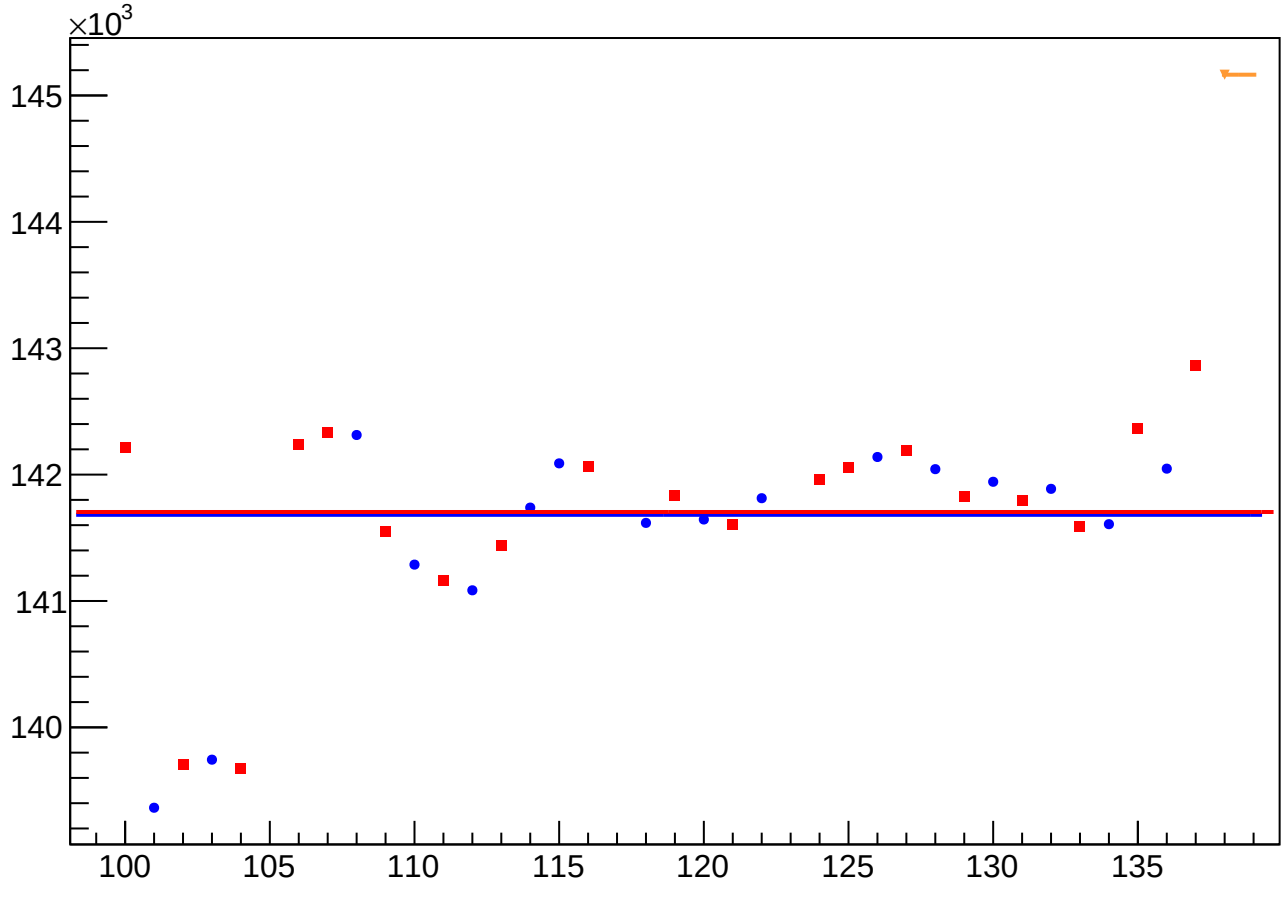
Left: 179.171+/-0.147 χ^2/NDF: 0.0/0

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 170.279+/-0.048 χ^2/NDF:1057631.0/15

Out: 161.345+/-0.042 χ^2/NDF:1307437.6/19

All: 165.282+/-0.032 χ^2/NDF: 2384728.1/35



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 145164.374+/-0.214 χ^2/NDF:0.0/0

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 145164.374+/-0.214 χ^2/NDF: 0.0/0

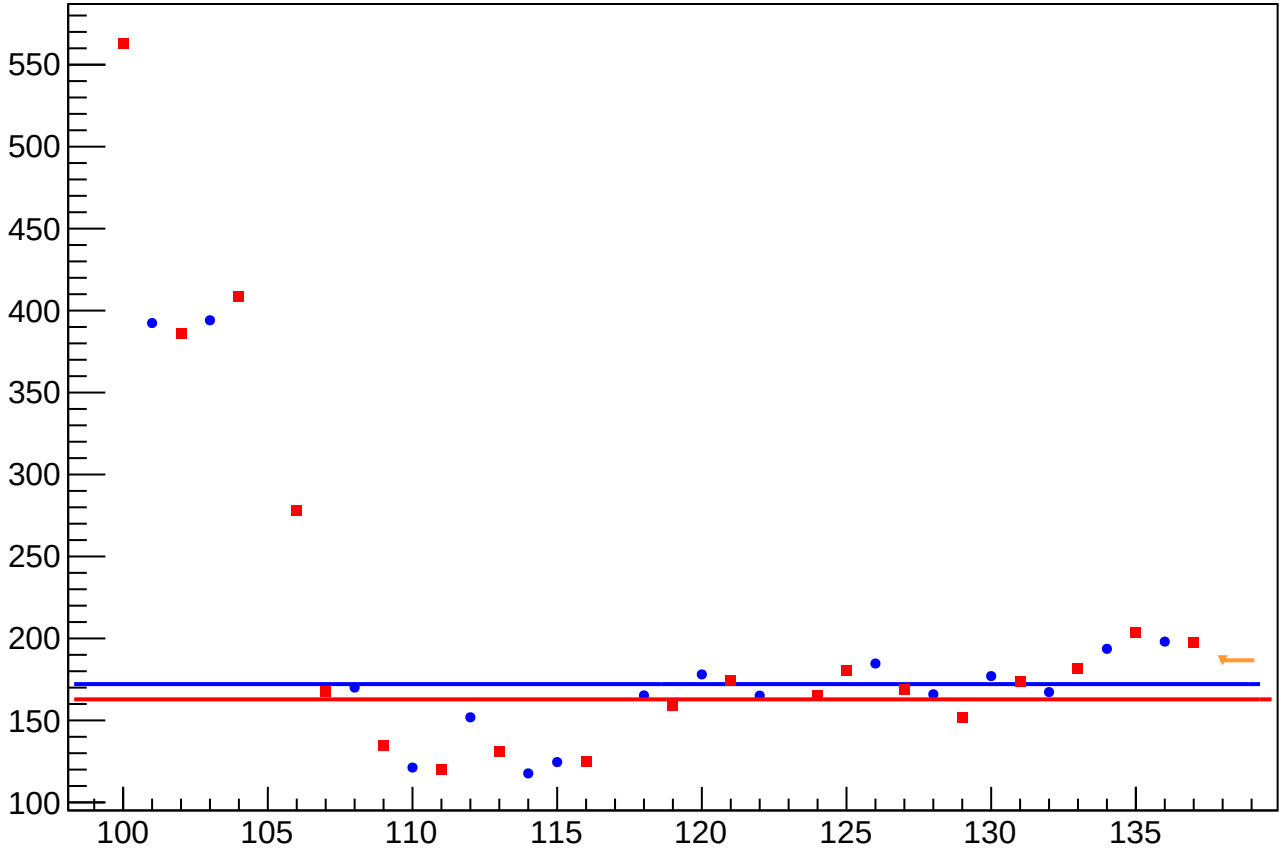
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 141681.846+/-0.068 χ^2/NDF:64292997.9/15

Out: 141987.390+/-0.061 χ^2/NDF:306321598.1/19

All: 141851.433+/-0.046 χ^2/NDF: 381732100

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 186.670+/-0.151 χ^2/NDF:0.0/0

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

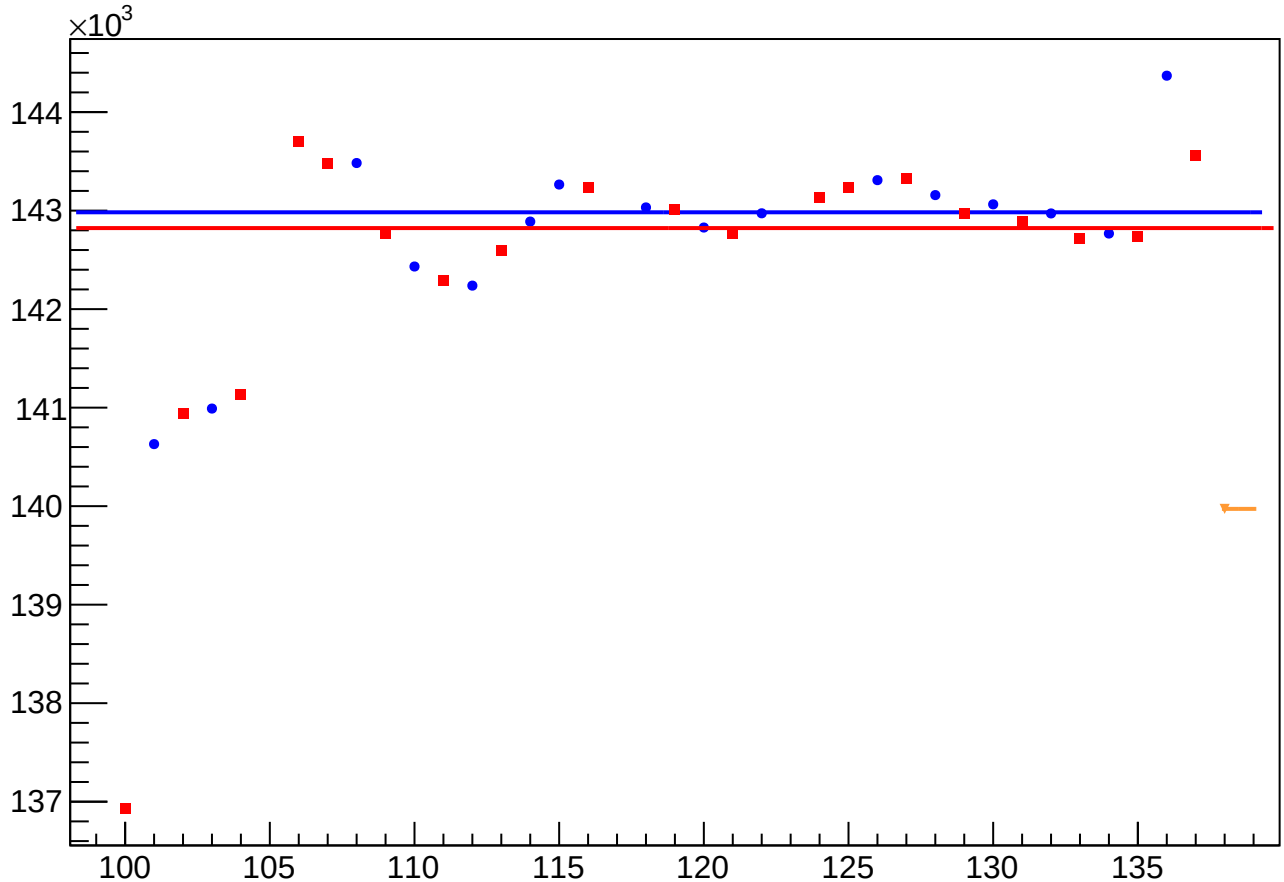
Left: 186.670+/-0.151 χ^2/NDF: 0.0/0

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 172.139+/-0.048 χ^2/NDF:1068587.8/15

Out: 164.795+/-0.043 χ^2/NDF:1328687.5/19

All: 168.063+/-0.032 χ^2/NDF: 2410121.7/35



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 139972.345+/-0.198 χ^2/NDF:0.0/0

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 139972.345+/-0.198 χ^2/NDF: 0.0/0

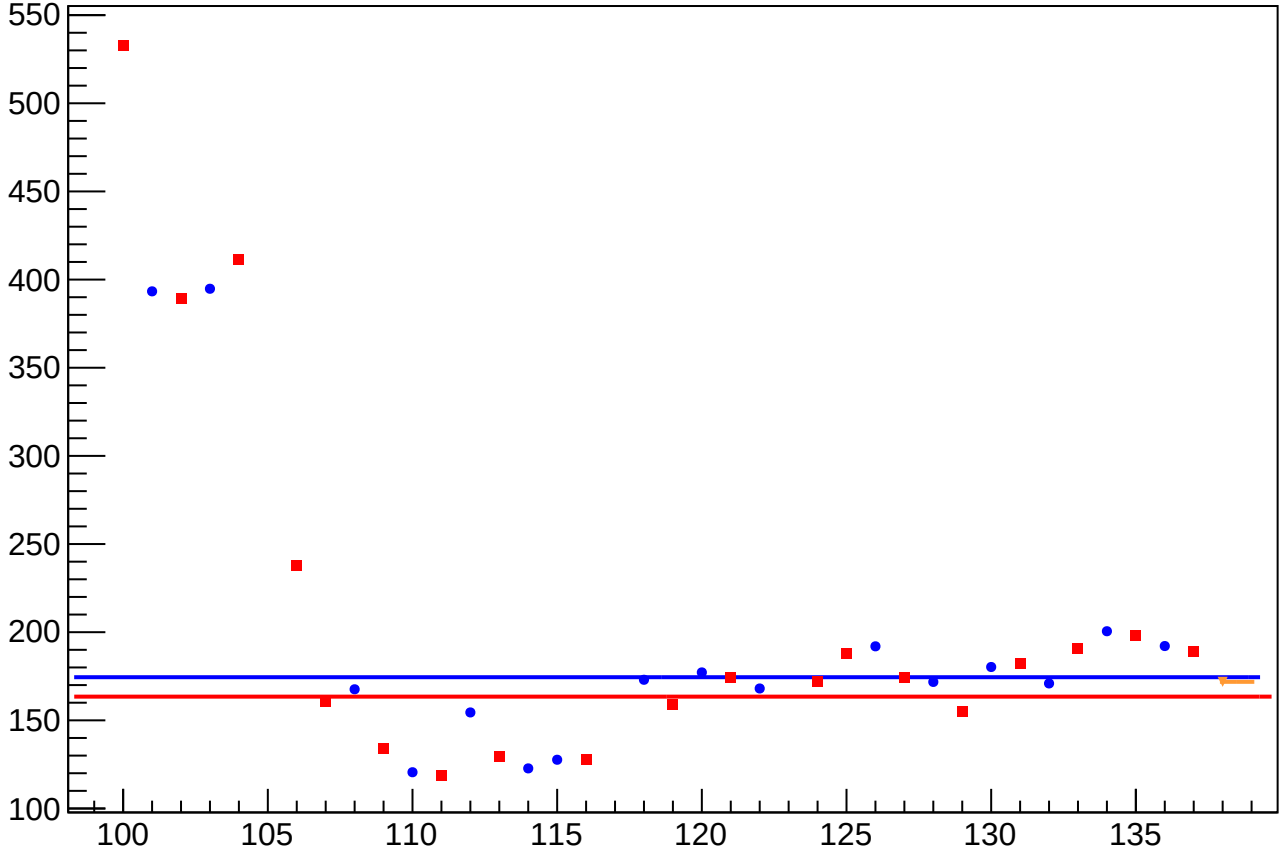
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142983.006+/-0.069 χ^2/NDF:107696217.2/15

Out: 142552.180+/-0.061 χ^2/NDF:251663910.1/19

All: 142740.555+/-0.046 χ^2/NDF: 38122960

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 171.846+/-0.140 χ^2/NDF:0.0/0

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

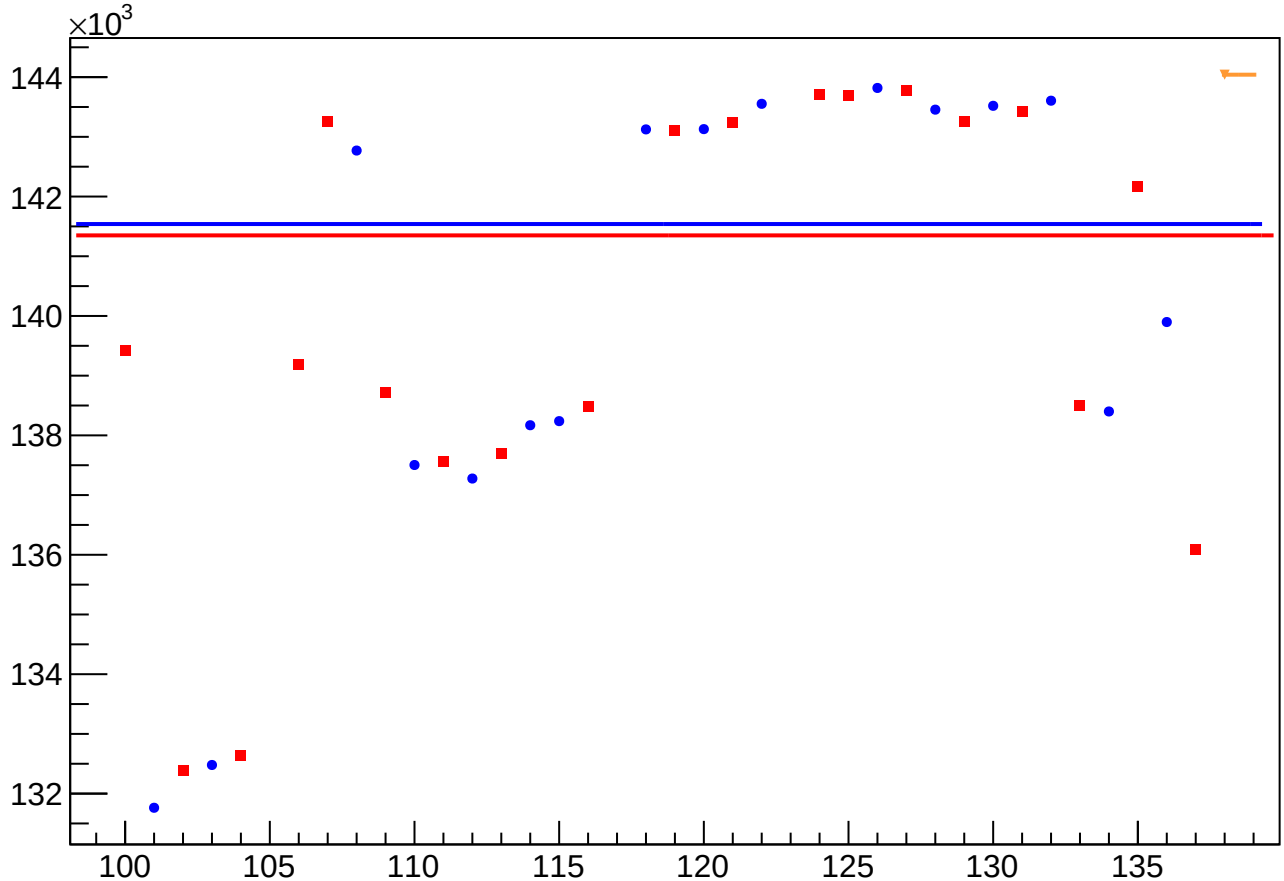
Left: 171.846+/-0.140 χ^2/NDF: 0.0/0

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 174.467+/-0.049 χ^2/NDF:1049126.7/15

Out: 164.245+/-0.043 χ^2/NDF:1285759.1/19

All: 168.715+/-0.032 χ^2/NDF: 2359506.9/35



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 144041.007+/-0.242 χ^2/NDF:0.0/0

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 144041.007+/-0.242 χ^2/NDF: 0.0/0

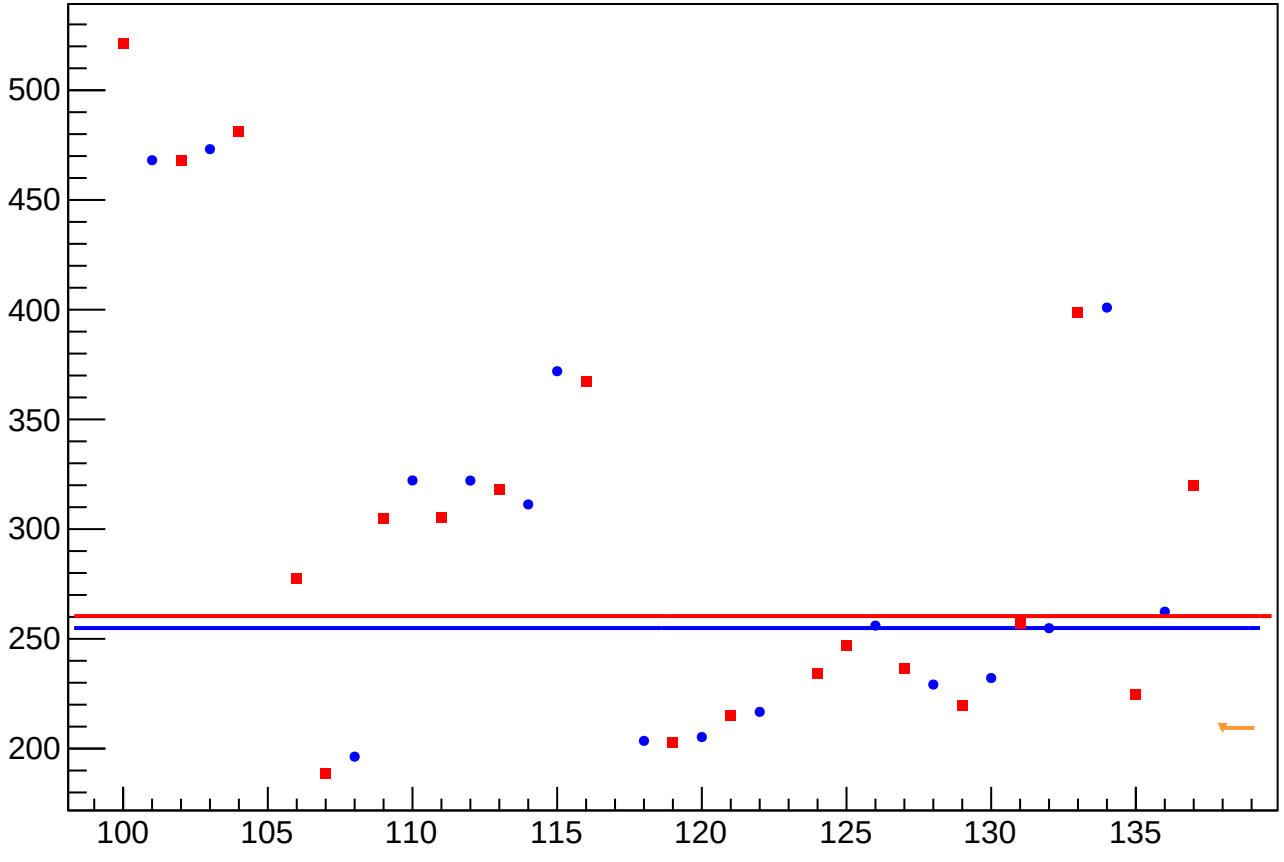
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 141539.467+/-0.101 χ^2/NDF:947743743.7/15

Out: 141749.146+/-0.093 χ^2/NDF:1031993305.2/1

All: 141652.462+/-0.068 χ^2/NDF: 19820683

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 209.413+/-0.171 χ^2/NDF:0.0/0

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

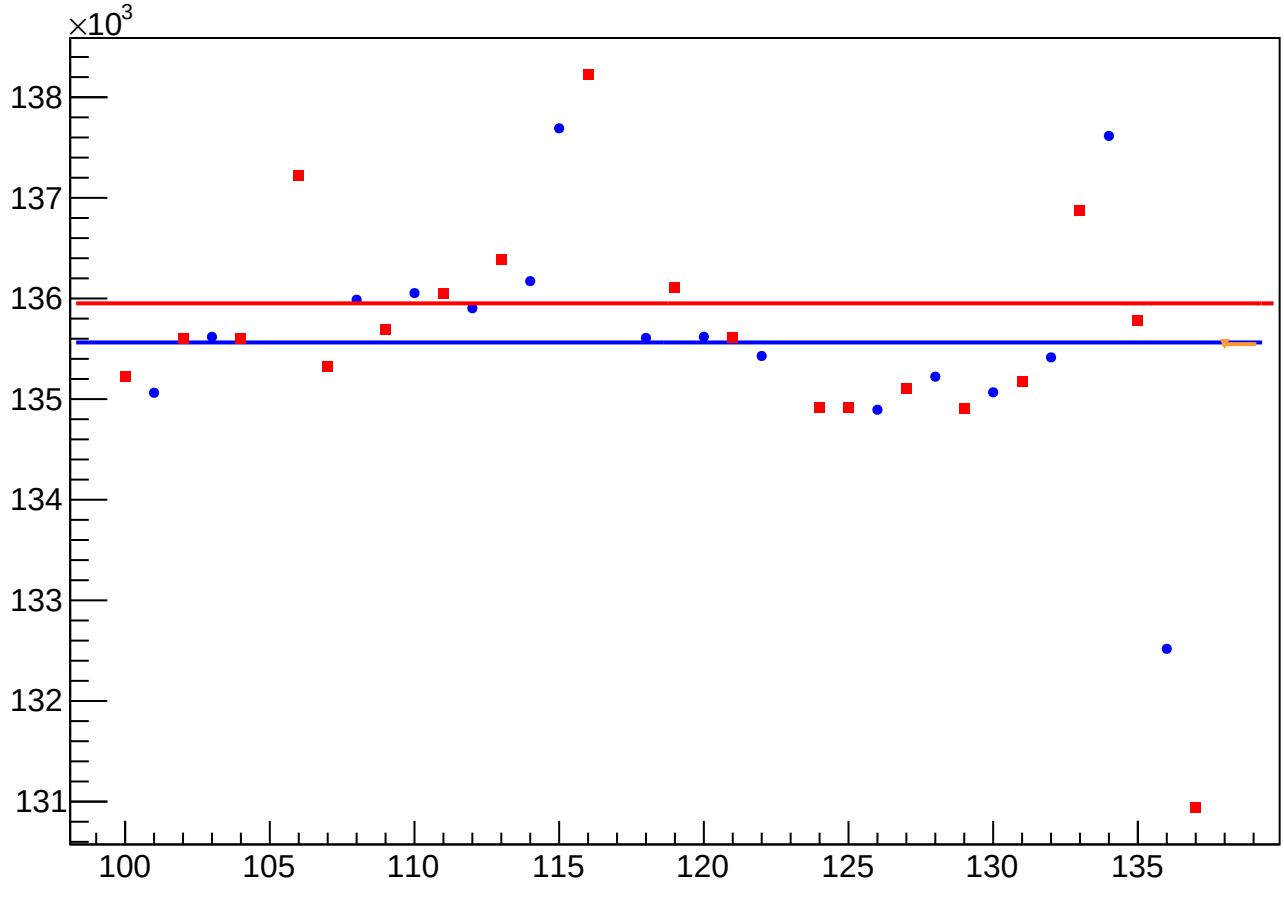
Left: 209.413+/-0.171 χ^2/NDF: 0.0/0

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

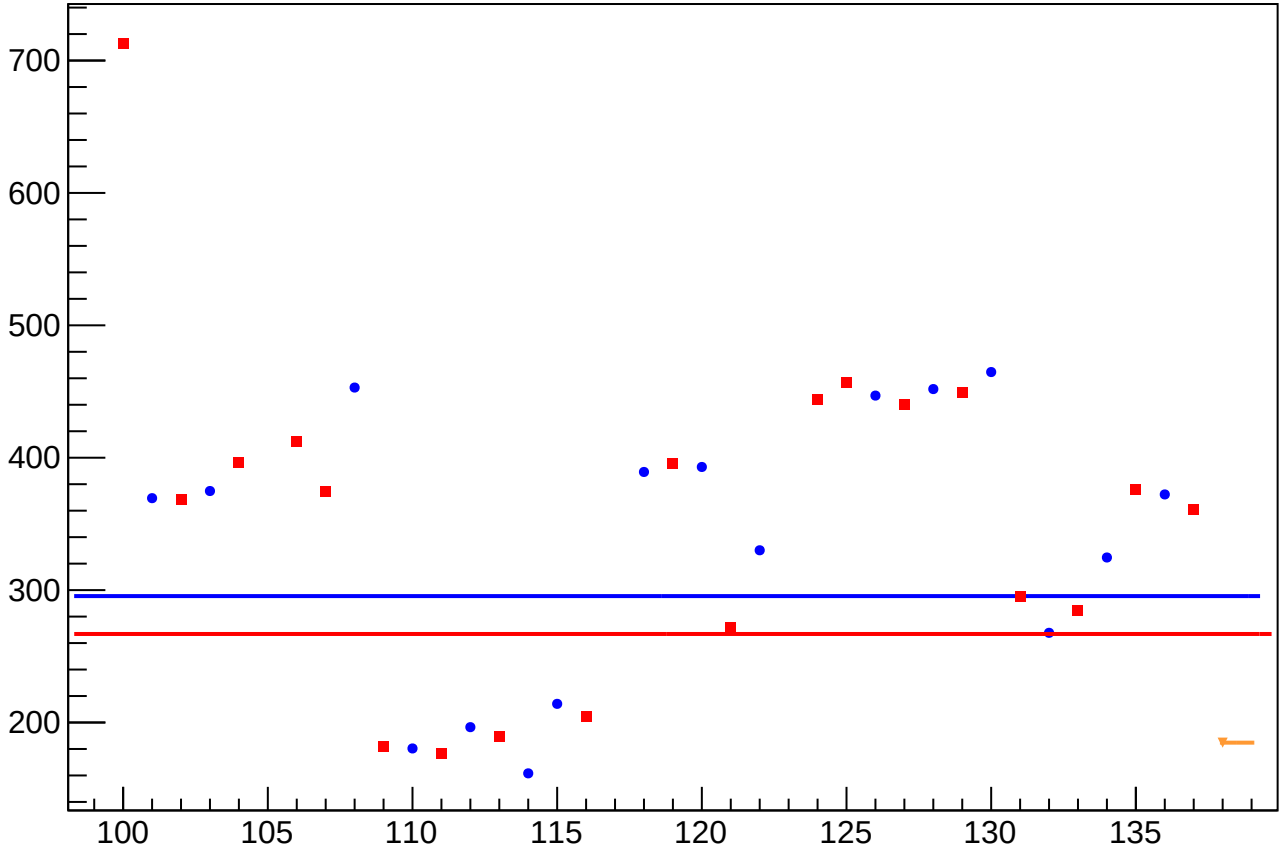
In: 254.919+/-0.071 χ^2/NDF:949952.1/15

Out: 252.802+/-0.066 χ^2/NDF:1068805.5/19

All: 253.778+/-0.048 χ^2/NDF: 2019232.7/35


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
Right In: 135563.062+/-0.118 χ²/NDF: 94169293.7/15
Left Out: 135546.344+/-0.211 χ²/NDF:0.0/0
Right Out: 135951.486+/-0.106 χ²/NDF: 91577209.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 135546.344+/-0.211 χ²/NDF: 0.0/0
Right: 135777.958+/-0.079 χ²/NDF: 191705440.0/3
In: 135563.062+/-0.118 χ²/NDF:94169293.7/15
Out: 135869.708+/-0.095 χ²/NDF:94506326.5/19
All: 135749.529+/-0.074 χ²/NDF: 19275763

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 184.780+/-0.150 χ^2/NDF:0.0/0

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

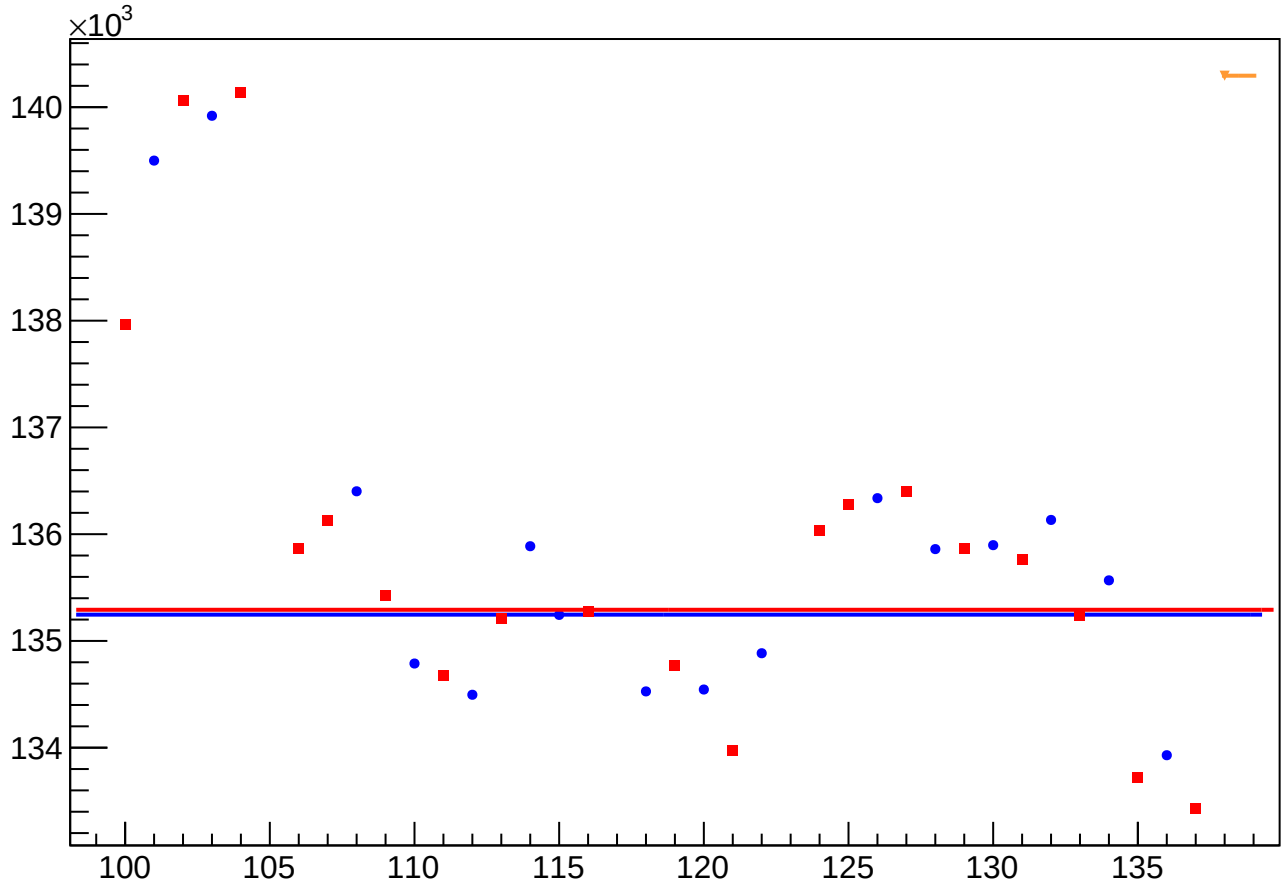
Left: 184.780+/-0.150 χ^2/NDF: 0.0/0

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 295.481+/-0.084 χ^2/NDF:1442531.9/15

Out: 250.295+/-0.067 χ^2/NDF:1918548.9/19

All: 268.004+/-0.052 χ^2/NDF: 3538353.2/35



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 140294.898+/-0.201 χ^2/NDF:0.0/0

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 140294.898+/-0.201 χ^2/NDF: 0.0/0

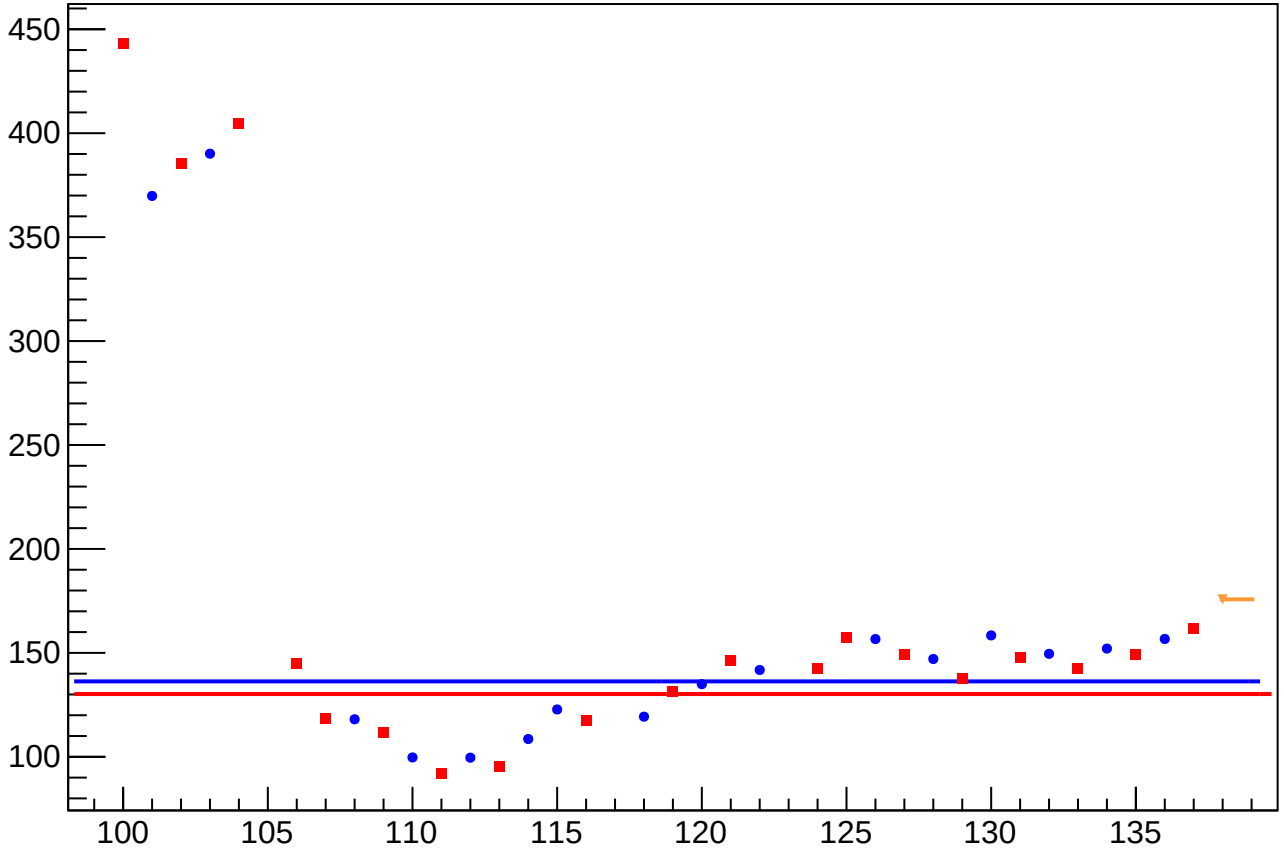
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 135246.269+/-0.055 χ^2/NDF:388384719.1/15

Out: 135601.673+/-0.050 χ^2/NDF:960587604.0/19

All: 135439.534+/-0.037 χ^2/NDF: 13719102

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 175.754+/-0.142 χ^2/NDF:0.0/0

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

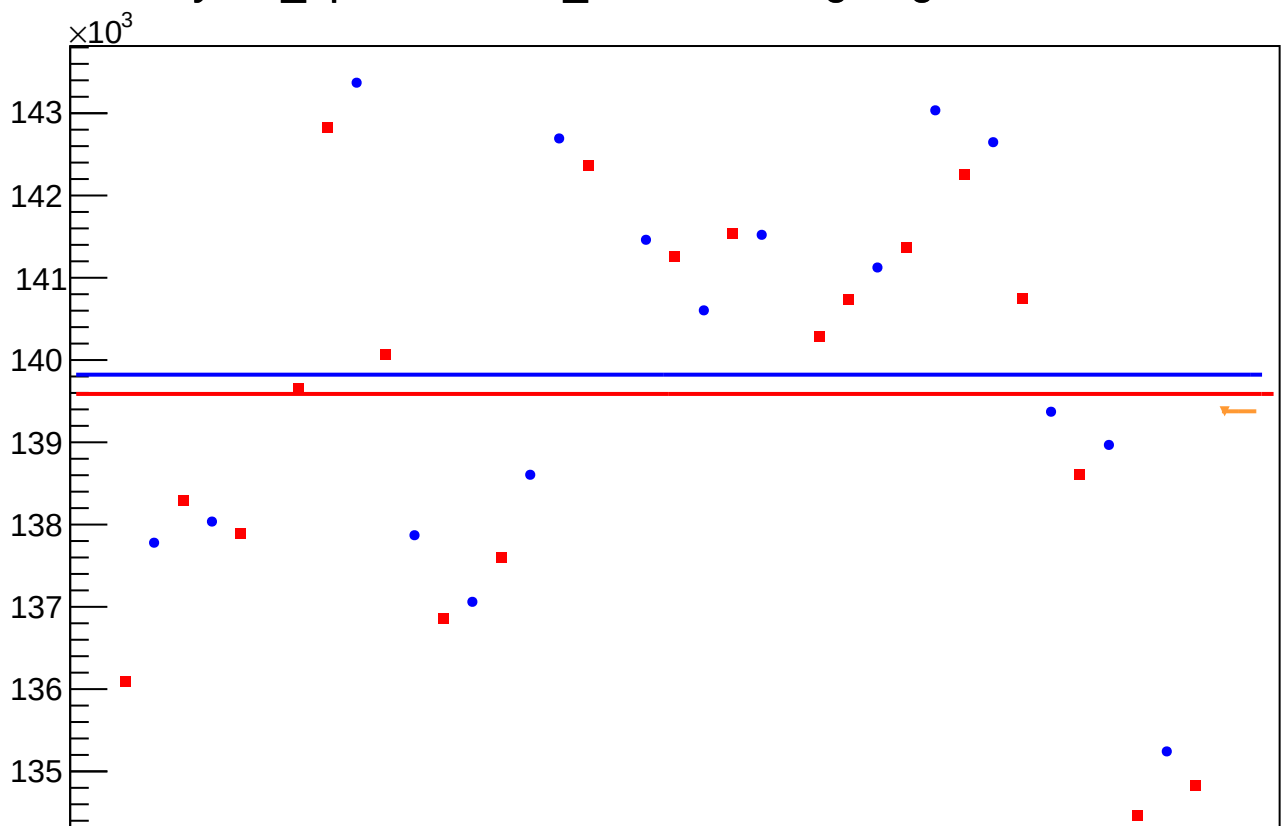
Left: 175.754+/-0.142 χ^2/NDF: 0.0/0

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 136.285+/-0.039 χ^2/NDF:1384057.4/15

Out: 133.026+/-0.035 χ^2/NDF:1616787.5/19

All: 134.513+/-0.026 χ^2/NDF: 3004701.3/35



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 139376.767+/-0.197 χ^2/NDF:0.0/0

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 139376.767+/-0.197 χ^2/NDF: 0.0/0

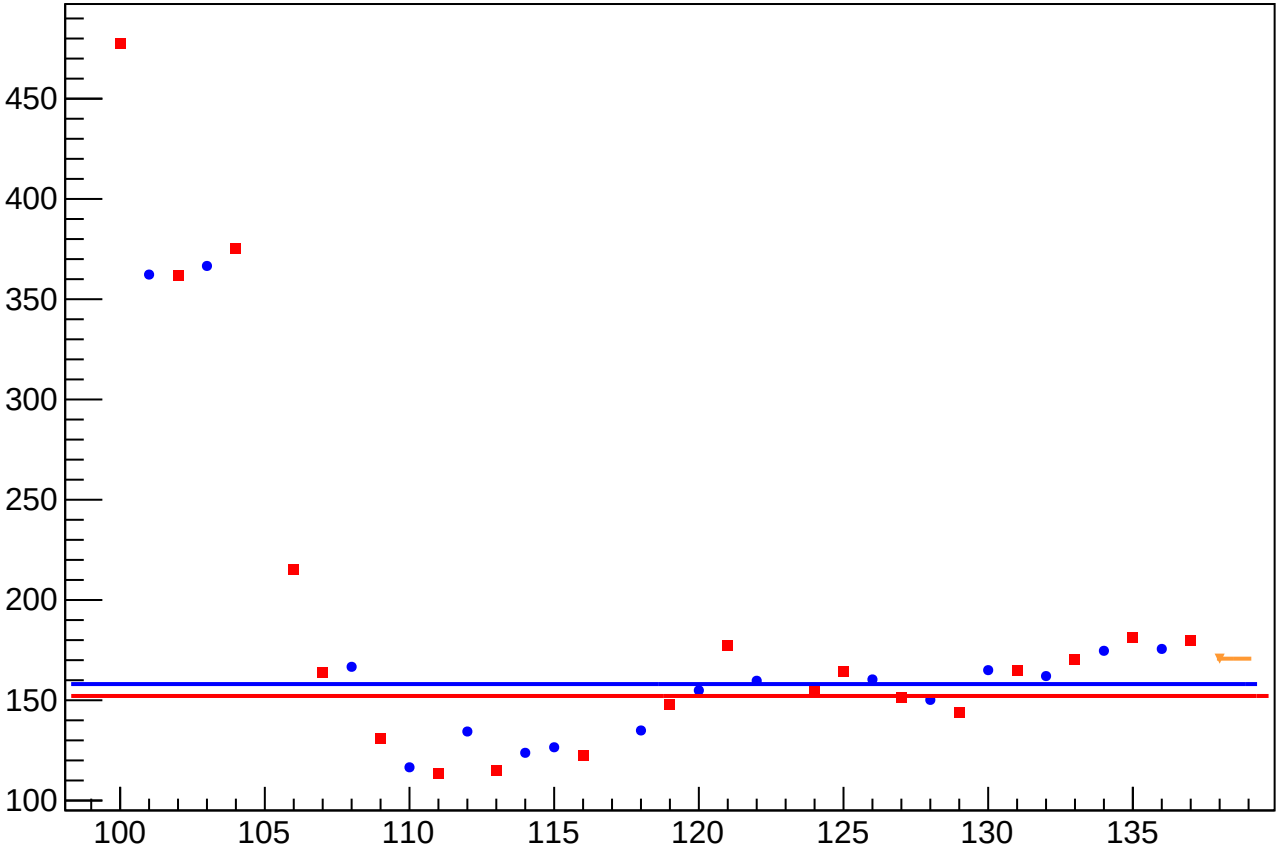
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 139822.122+/-0.063 χ^2/NDF:1663381581.4/15

Out: 139570.083+/-0.057 χ^2/NDF:1483987139.2/1

All: 139684.681+/-0.042 χ^2/NDF: 31562106

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 170.750+/-0.139 χ^2/NDF:0.0/0

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

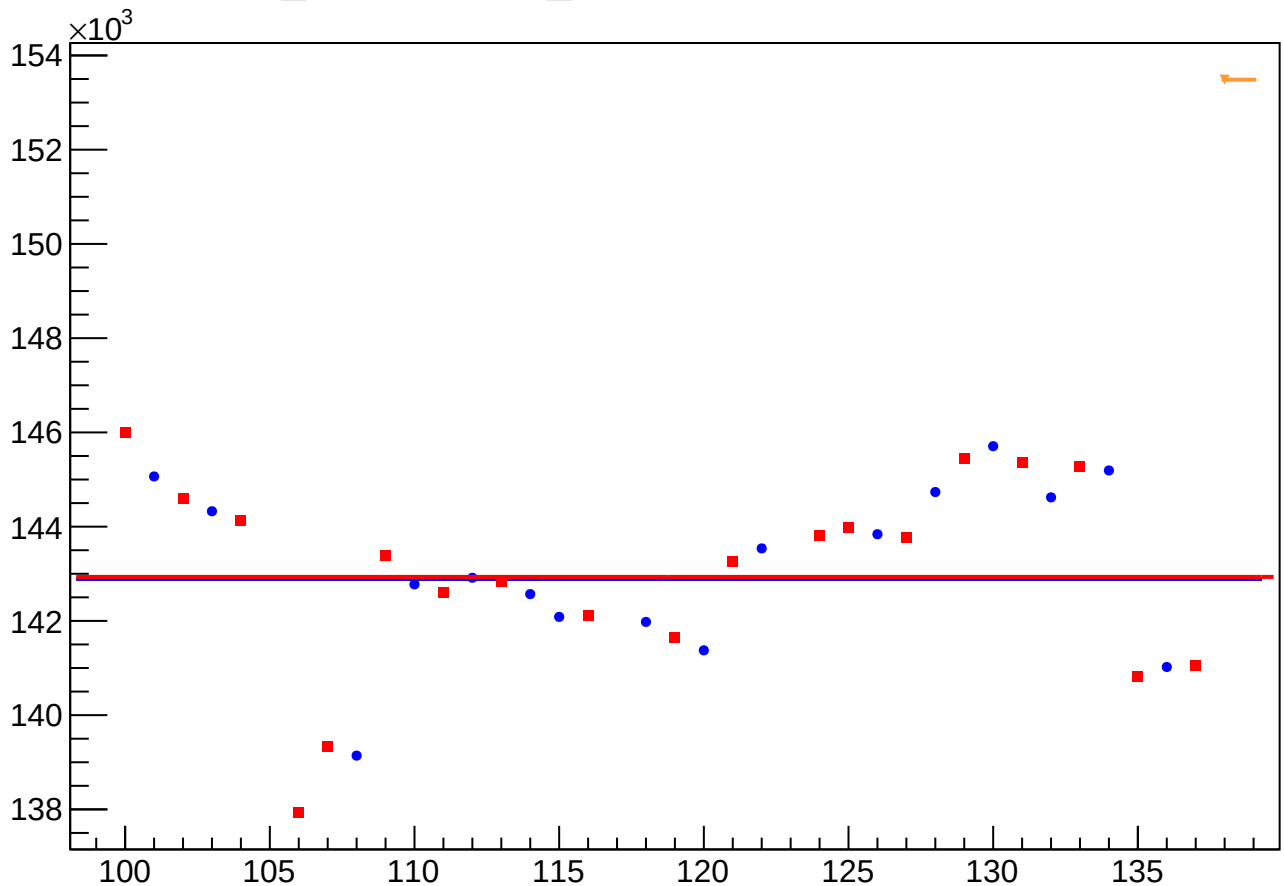
Left: 170.750+/-0.139 χ^2/NDF: 0.0/0

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 158.079+/-0.044 χ^2/NDF:1017928.9/15

Out: 153.707+/-0.040 χ^2/NDF:1245421.3/19

All: 155.695+/-0.030 χ^2/NDF: 2268670.9/35



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 153485.742+/-0.211 χ^2/NDF:0.0/0

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 153485.742+/-0.211 χ^2/NDF: 0.0/0

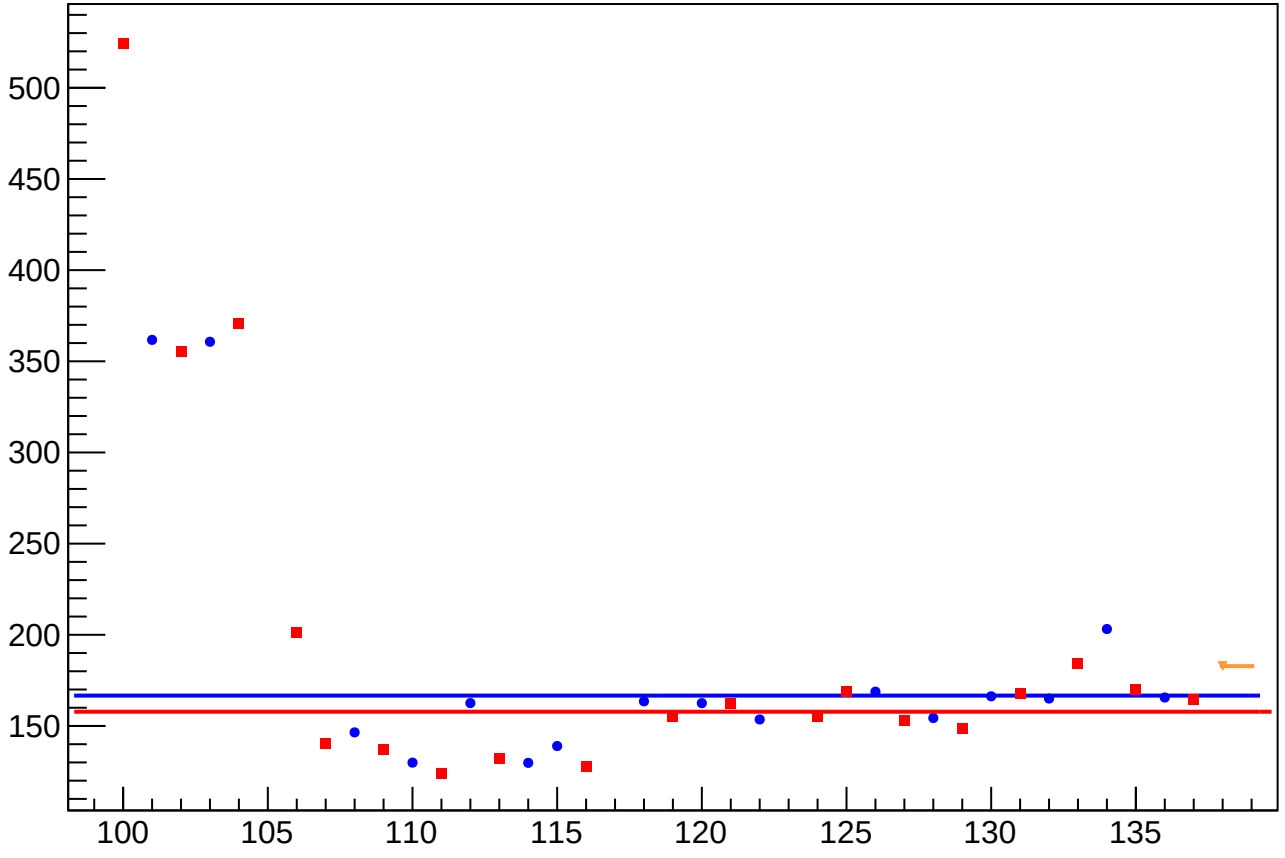
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 142889.386+/-0.066 χ^2/NDF:763303771.6/15

Out: 143757.601+/-0.059 χ^2/NDF:3082659355.8/1

All: 143369.282+/-0.044 χ^2/NDF: 39425338

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 182.808+/-0.150 χ^2/NDF:0.0/0

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

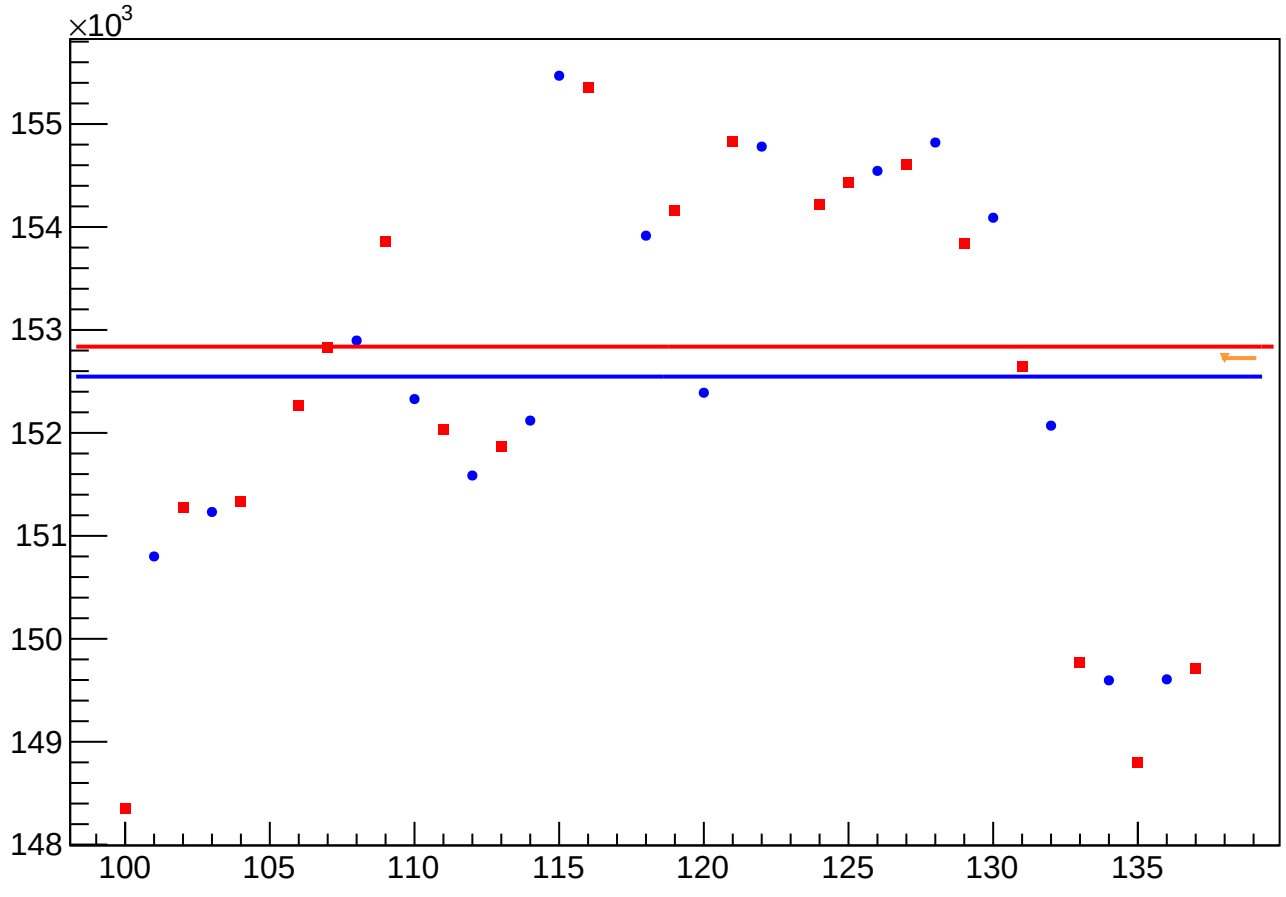
Left: 182.808+/-0.150 χ^2/NDF: 0.0/0

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 166.656+/-0.046 χ^2/NDF:863574.7/15

Out: 159.760+/-0.042 χ^2/NDF:1048097.4/19

All: 162.845+/-0.031 χ^2/NDF: 1923856.7/35



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152726.627+/-0.197 χ^2/NDF:0.0/0

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 152726.627+/-0.197 χ^2/NDF: 0.0/0

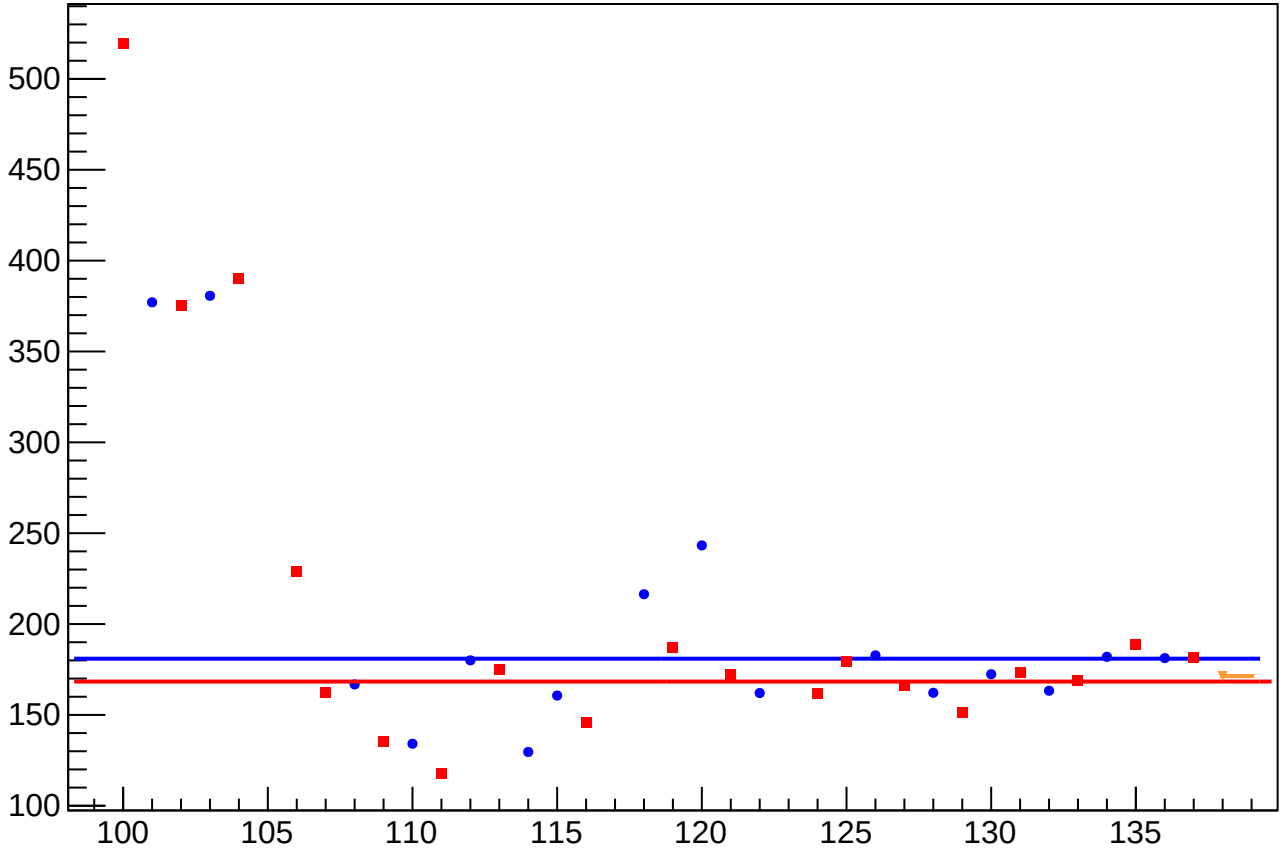
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152546.899+/-0.073 χ^2/NDF:654540559.6/15

Out: 152826.493+/-0.063 χ^2/NDF:737192392.7/19

All: 152706.086+/-0.048 χ^2/NDF: 140017360

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 171.395+/-0.140 χ^2/NDF:0.0/0

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

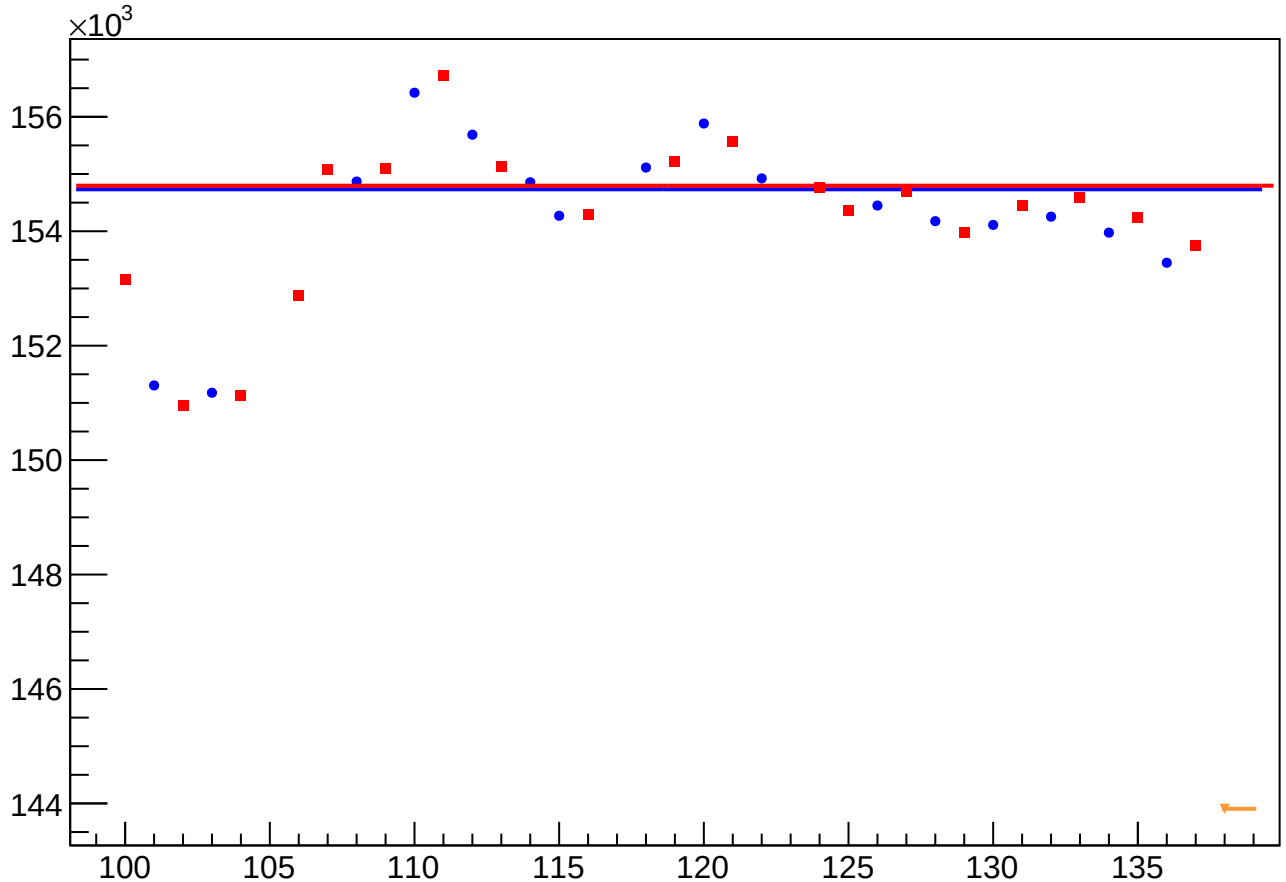
Left: 171.395+/-0.140 χ^2/NDF: 0.0/0

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 180.938+/-0.051 χ^2/NDF:907758.2/15

Out: 168.661+/-0.045 χ^2/NDF:1089517.8/19

All: 173.948+/-0.034 χ^2/NDF: 2029826.9/35



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 143906.422+/-0.206 χ^2/NDF:0.0/0

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 143906.422+/-0.206 χ^2/NDF: 0.0/0

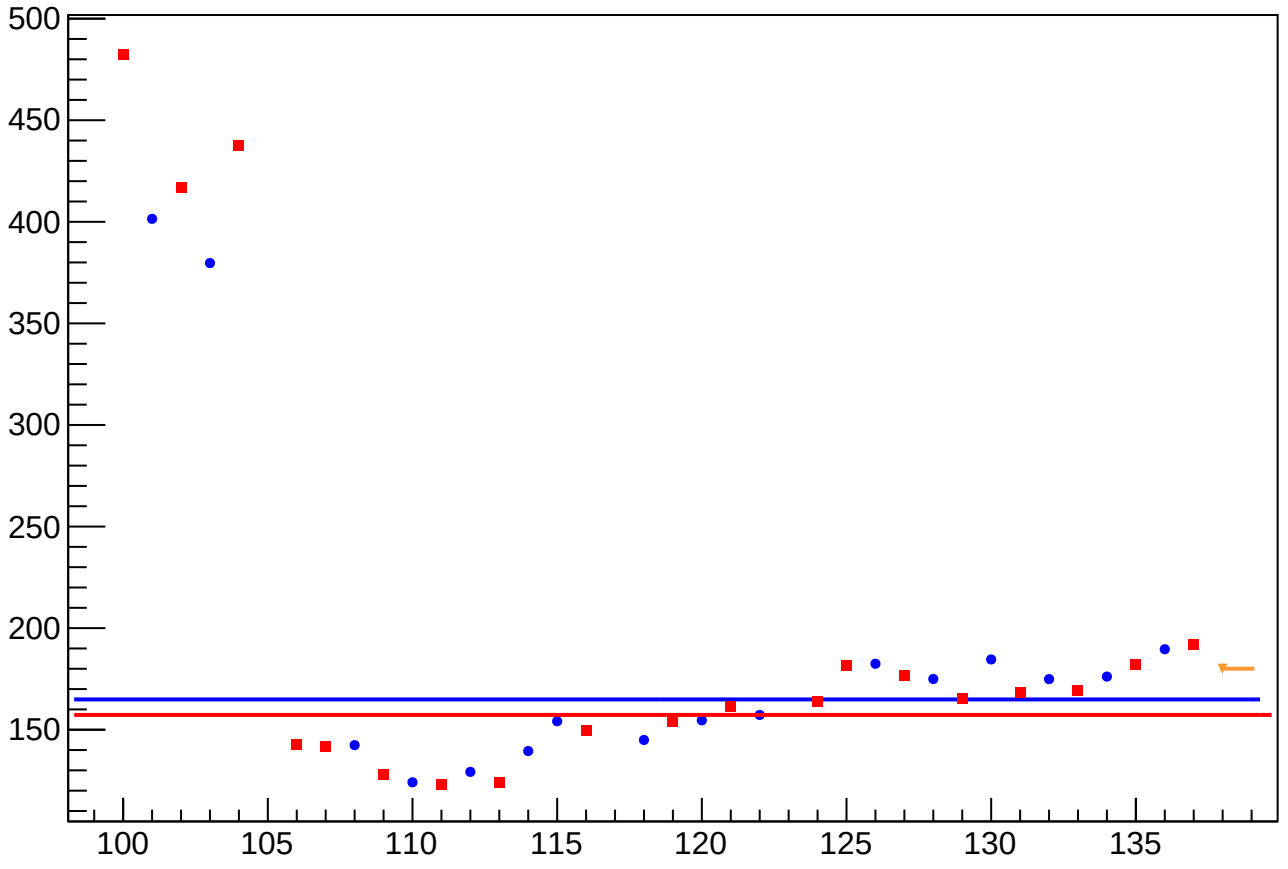
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 154733.155+/-0.065 χ^2/NDF:274462319.1/15

Out: 153914.204+/-0.059 χ^2/NDF:2878891261.5/1

All: 154279.763+/-0.044 χ^2/NDF: 32407110

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 180.041+/-0.145 χ^2/NDF:0.0/0

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

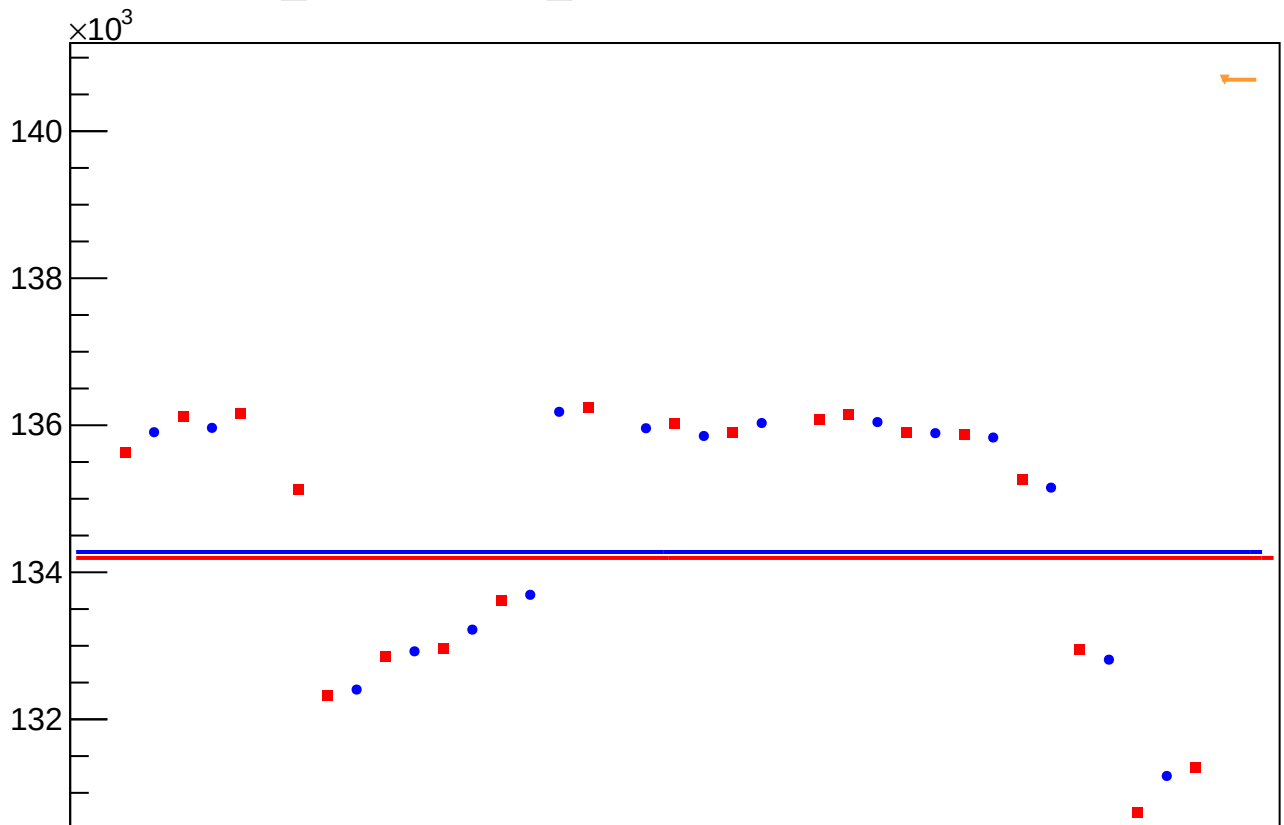
Left: 180.041+/-0.145 χ^2/NDF: 0.0/0

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 164.906+/-0.046 χ^2/NDF:1072730.7/15

Out: 159.126+/-0.041 χ^2/NDF:1277323.5/19

All: 161.706+/-0.031 χ^2/NDF: 2358759.4/35



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 140700.508+/-0.200 χ^2/NDF:0.0/0

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 140700.508+/-0.200 χ^2/NDF: 0.0/0

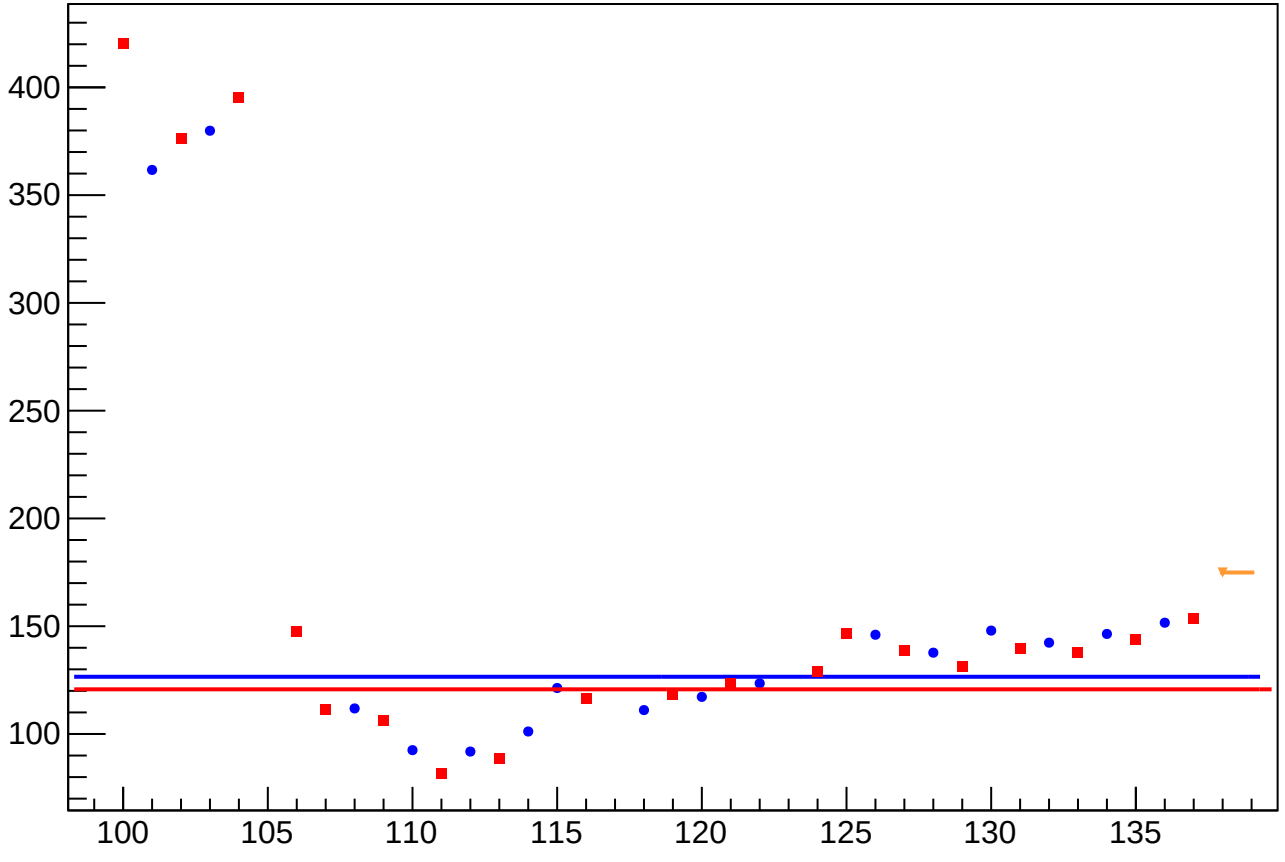
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 134276.096+/-0.051 χ^2/NDF:1142867100.2/15

Out: 134549.426+/-0.047 χ^2/NDF:2206593046.4/1

All: 134424.447+/-0.034 χ^2/NDF: 33651572

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 174.925+/-0.141 χ^2/NDF:0.0/0

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

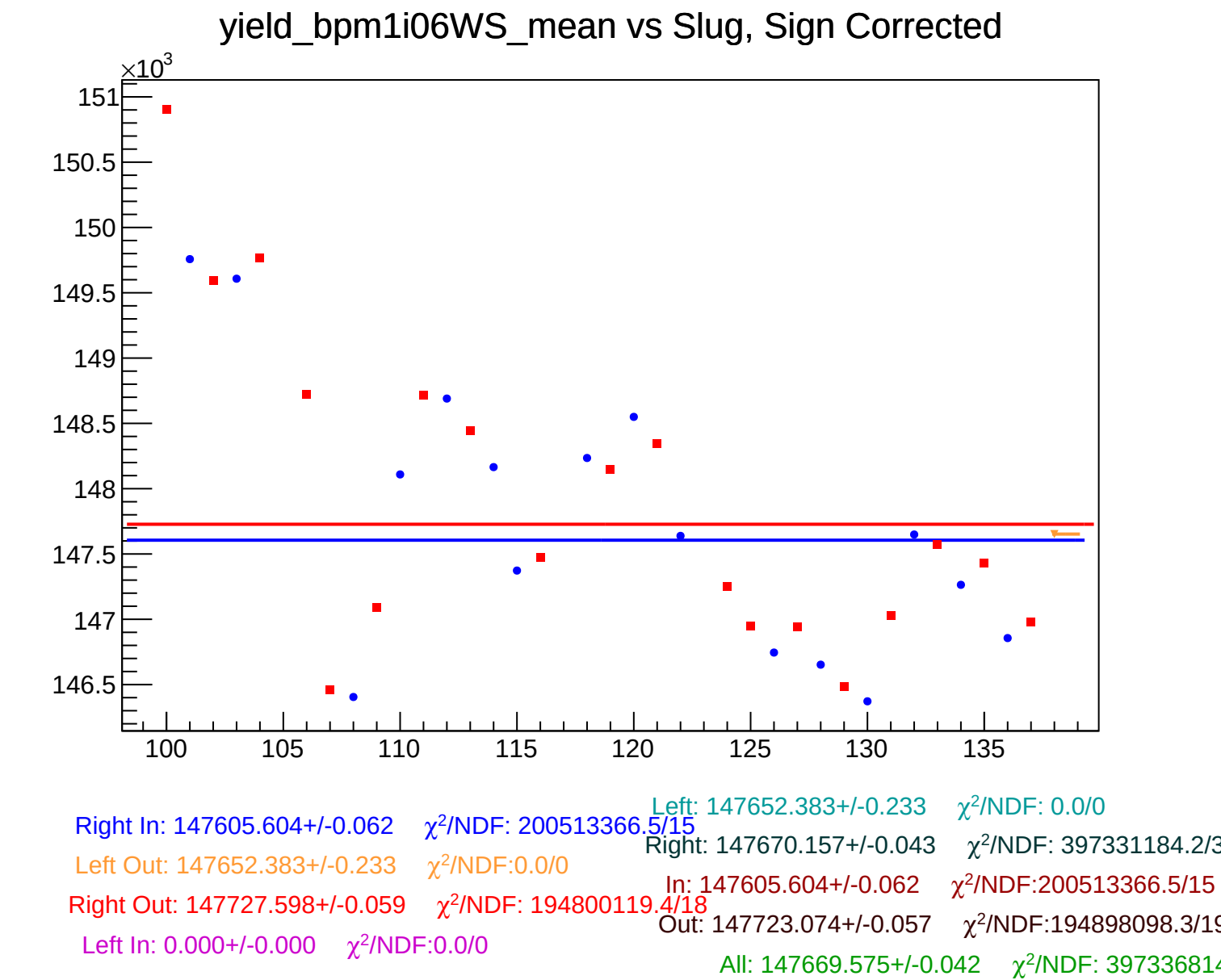
Left: 174.925+/-0.141 χ^2/NDF: 0.0/0

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

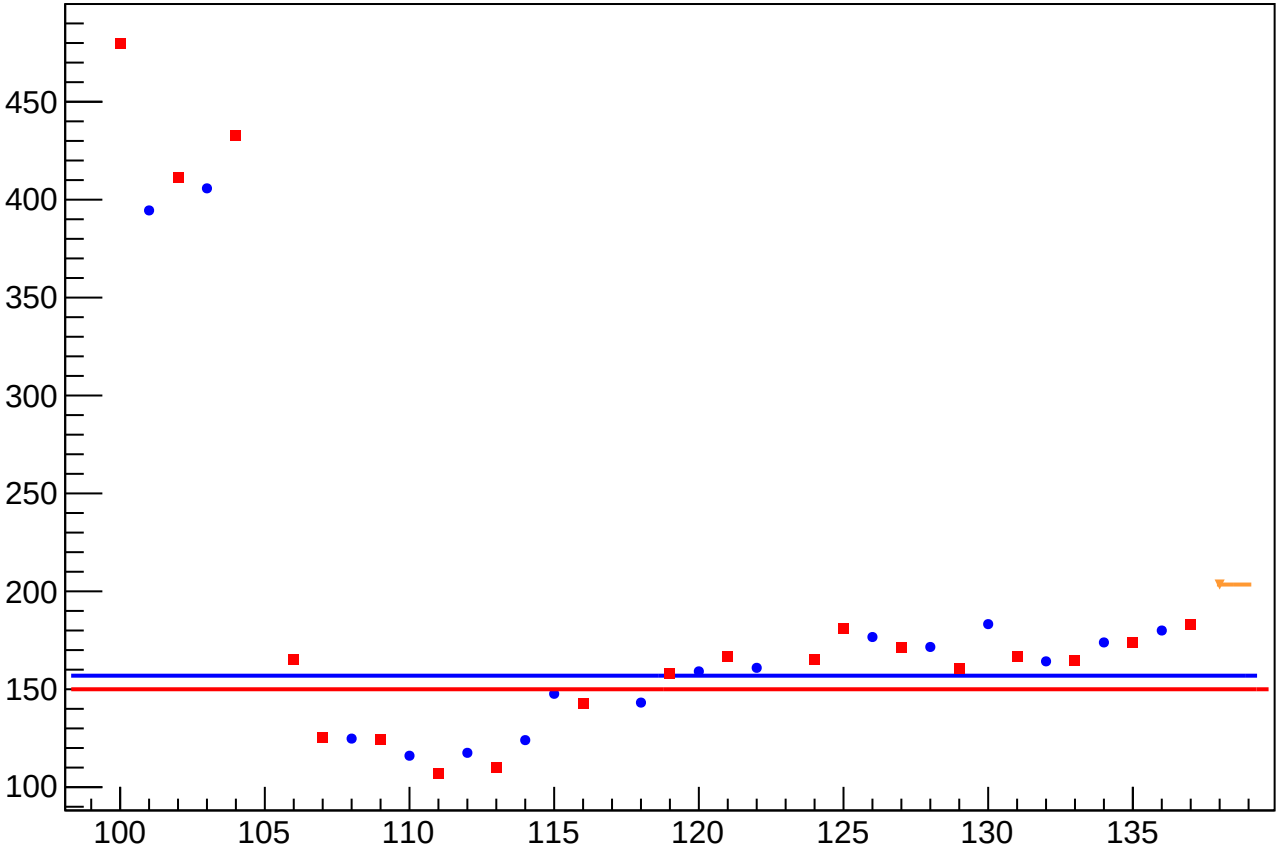
In: 126.551+/-0.036 χ^2/NDF:1477429.4/15

Out: 123.674+/-0.033 χ^2/NDF:1771719.2/19

All: 124.989+/-0.024 χ^2/NDF: 3252626.4/35


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
Right In: 147605.604+/-0.062 χ²/NDF: 200513366.5/15
Left Out: 147652.383+/-0.233 χ²/NDF:0.0/0
Right Out: 147727.598+/-0.059 χ²/NDF: 194800119.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 147652.383+/-0.233 χ²/NDF: 0.0/0
Right: 147670.157+/-0.043 χ²/NDF: 397331184.2/3
In: 147605.604+/-0.062 χ²/NDF:200513366.5/15
Out: 147723.074+/-0.057 χ²/NDF:194898098.3/19
All: 147669.575+/-0.042 χ²/NDF: 39733681

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 203.472+/-0.165 χ^2/NDF:0.0/0

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

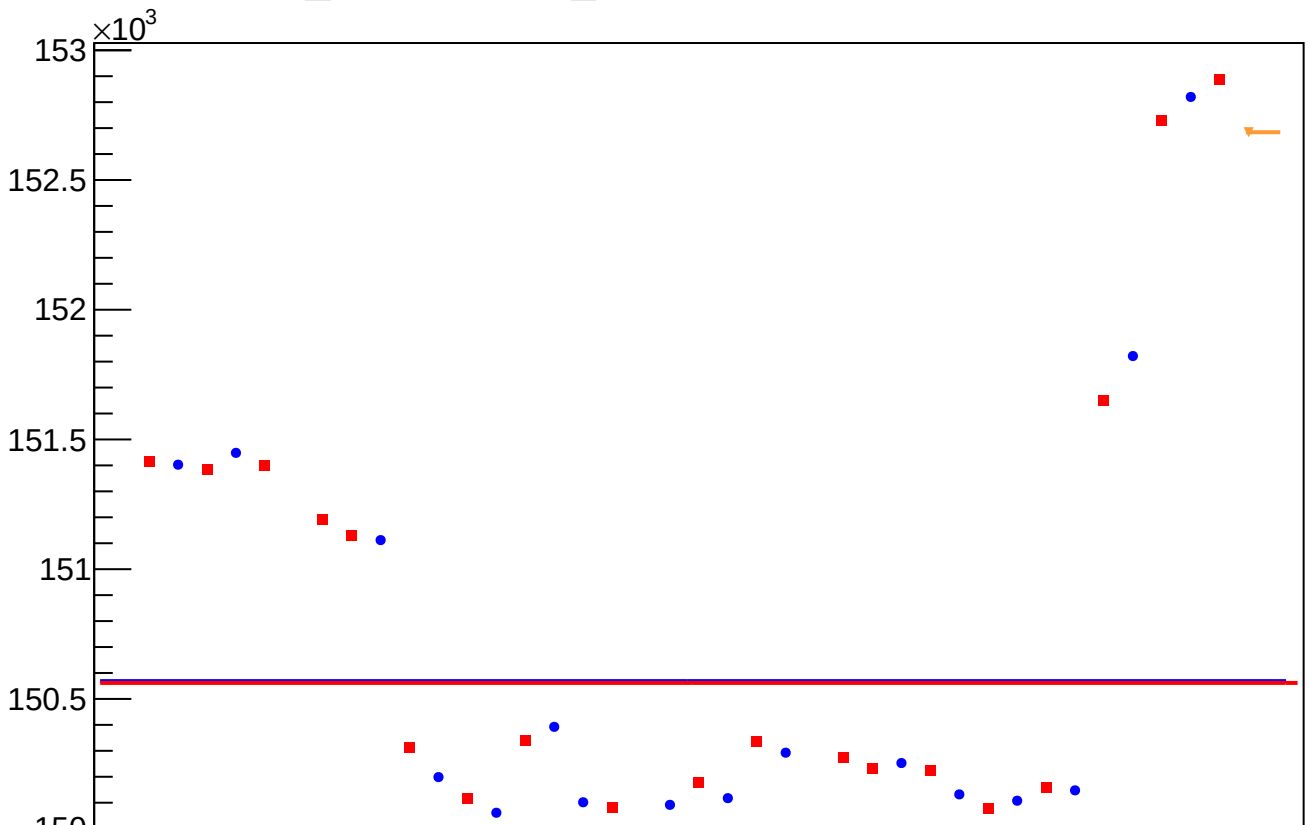
Left: 203.472+/-0.165 χ^2/NDF: 0.0/0

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 156.927+/-0.044 χ^2/NDF:1265768.6/15

Out: 153.211+/-0.040 χ^2/NDF:1552989.9/19

All: 154.903+/-0.030 χ^2/NDF: 2822612.6/35



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152684.087+/-0.206 χ^2/NDF:0.0/0

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 152684.087+/-0.206 χ^2/NDF: 0.0/0

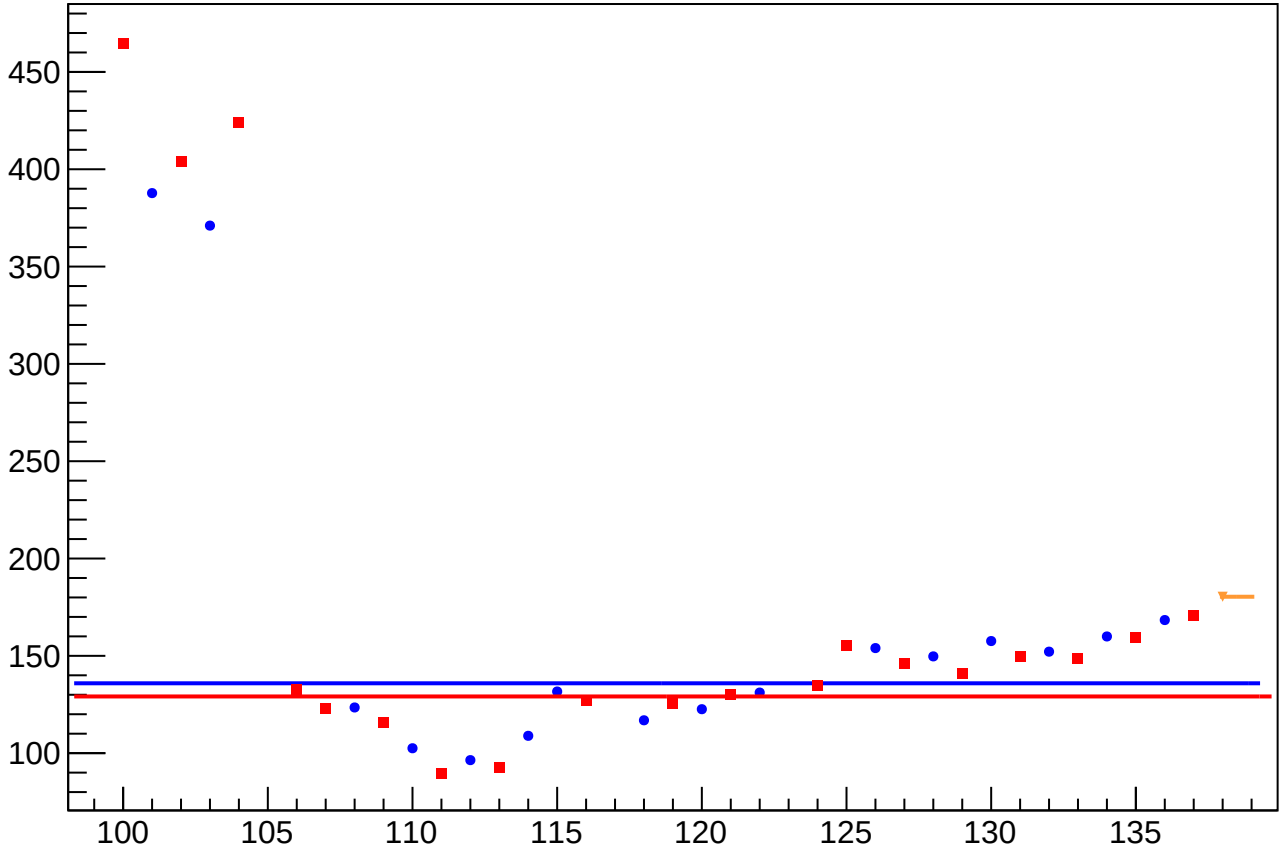
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 150568.638+/-0.055 χ^2/NDF:237155171.8/15

Out: 150684.179+/-0.049 χ^2/NDF:297558826.7/19

All: 150632.080+/-0.037 χ^2/NDF: 53717187

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 180.365+/-0.146 χ^2/NDF:0.0/0

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

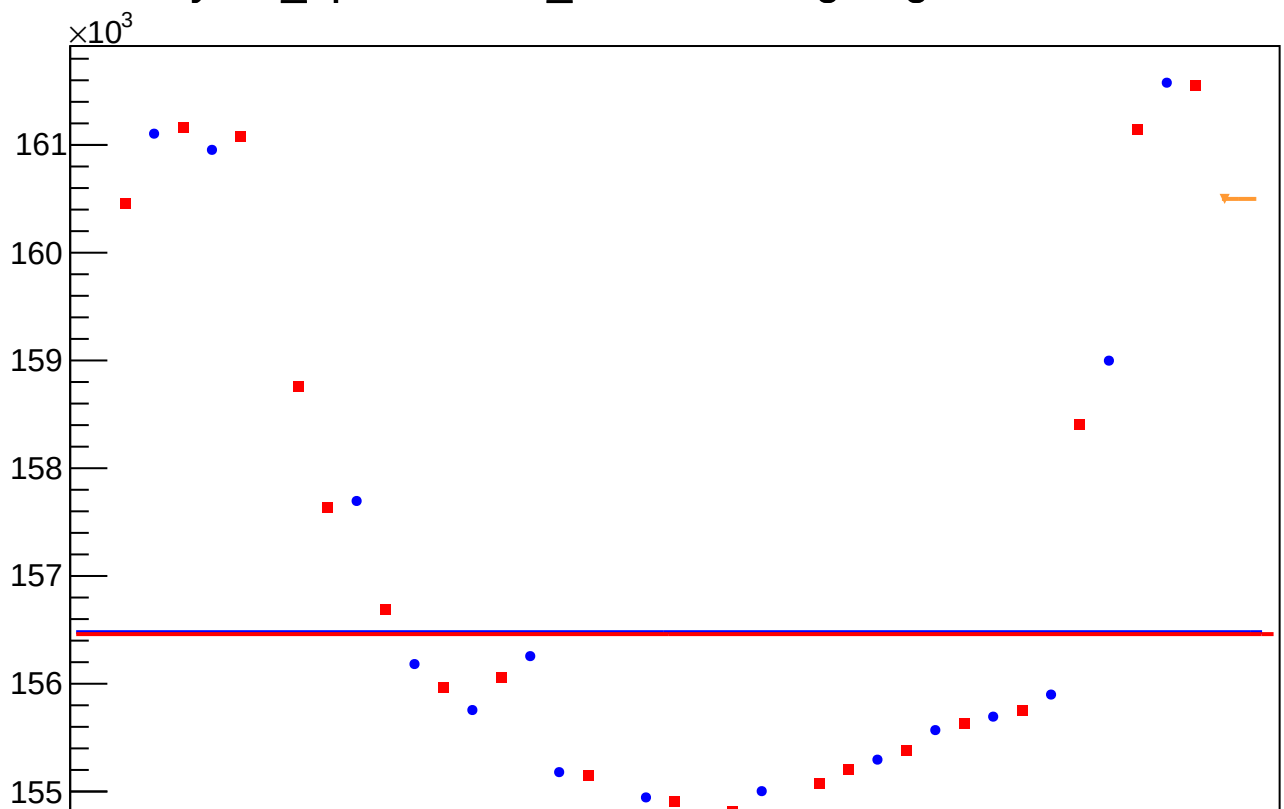
Left: 180.365+/-0.146 χ^2/NDF: 0.0/0

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 135.896+/-0.039 χ^2/NDF:1416332.3/15

Out: 132.088+/-0.035 χ^2/NDF:1730922.7/19

All: 133.805+/-0.026 χ^2/NDF: 3152594.0/35



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 160499.235+/-0.213 χ^2/NDF:0.0/0

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 160499.235+/-0.213 χ^2/NDF: 0.0/0

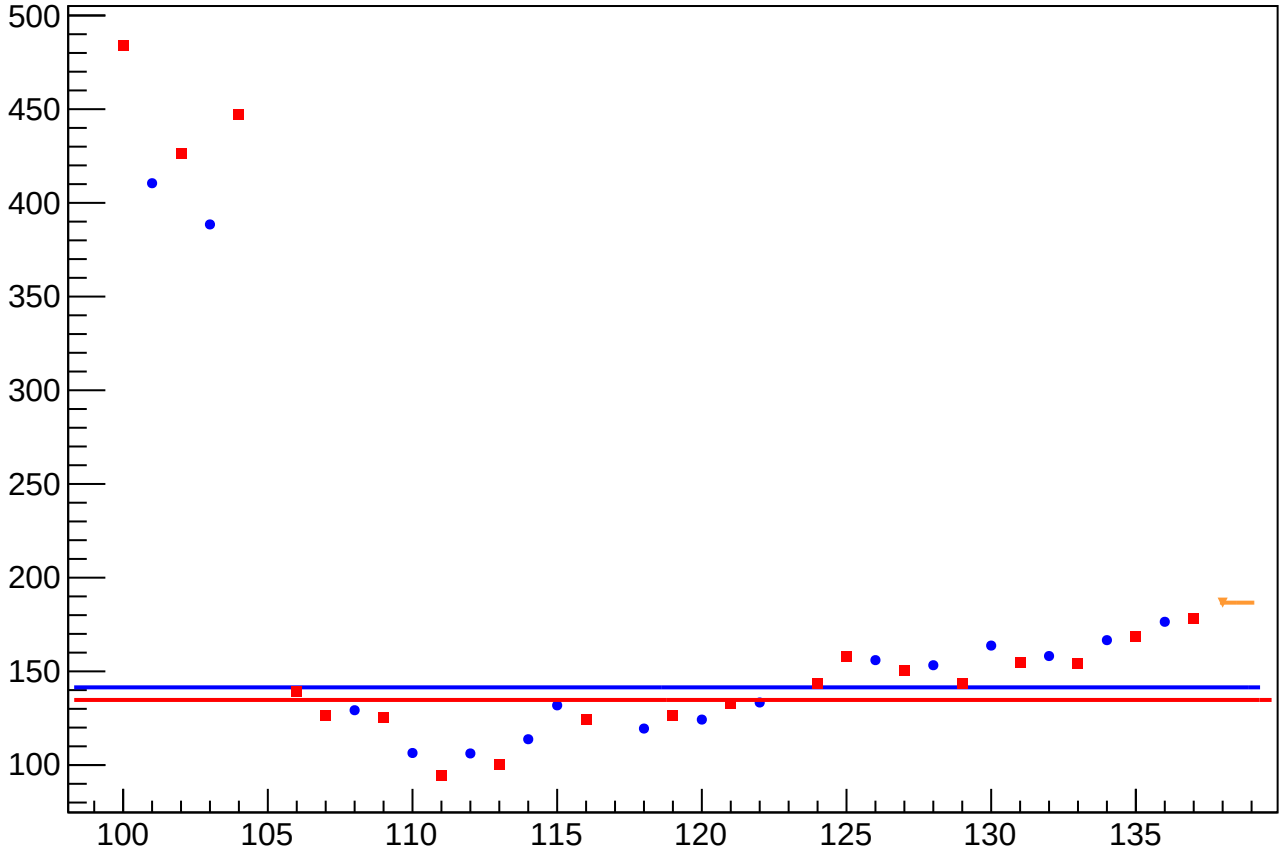
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 156478.318+/-0.057 χ^2/NDF:1289449253.3/15

Out: 156696.701+/-0.052 χ^2/NDF:1438449747.5/1

All: 156598.094+/-0.038 χ^2/NDF: 27360026

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 186.665+/-0.151 χ^2/NDF:0.0/0

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

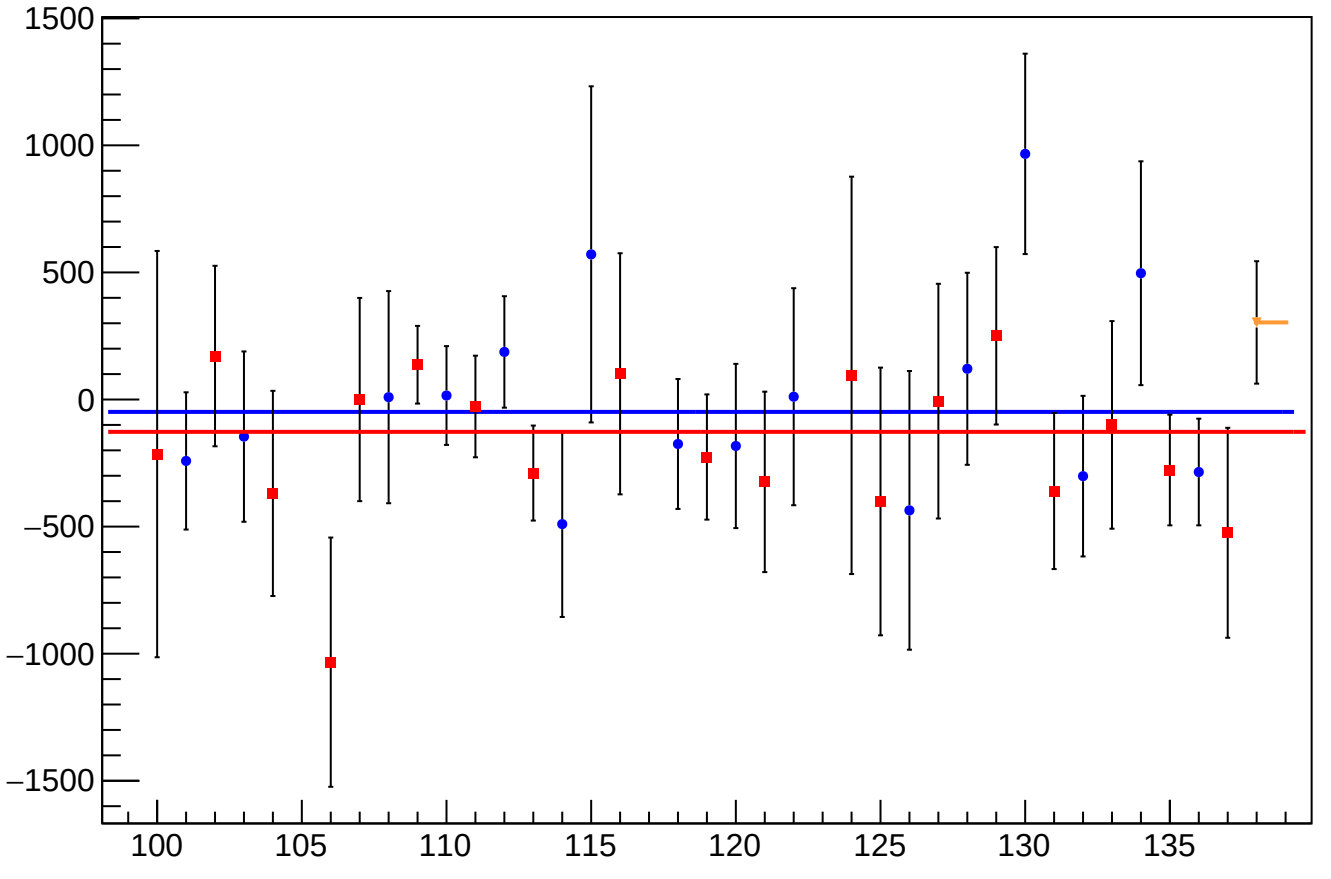
Left: 186.665+/-0.151 χ^2/NDF: 0.0/0

Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 141.470+/-0.040 χ^2/NDF:1391933.2/15

Out: 137.781+/-0.036 χ^2/NDF:1690722.4/19

All: 139.447+/-0.027 χ^2/NDF: 3087279.2/35



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 303.301+/-240.839 χ^2/NDF:0.0/0

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 303.301+/-240.839 χ^2/NDF: 0.0/0

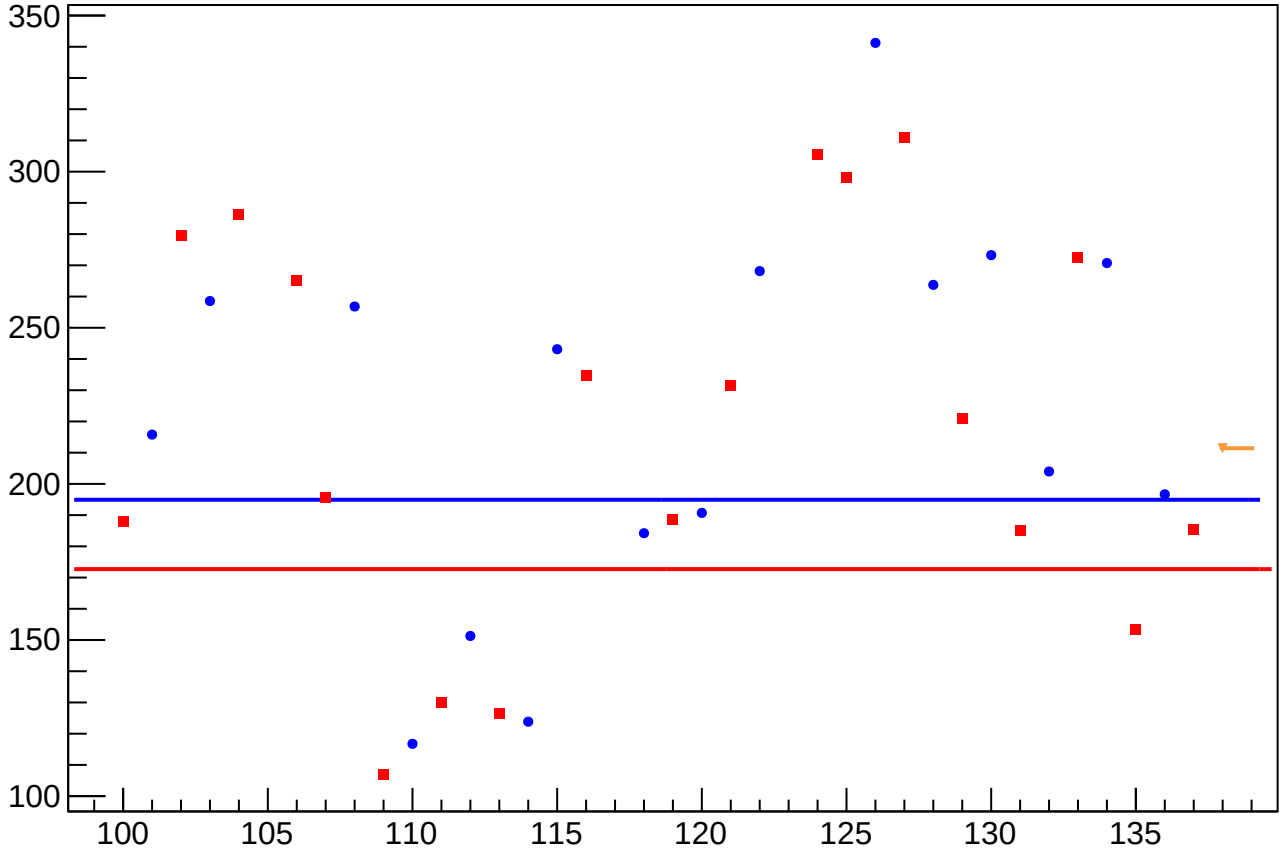
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: -48.749+/-76.592 χ^2/NDF:15.4/15

Out: -95.020+/-65.892 χ^2/NDF:15.8/19

All: -75.340+/-49.951 χ^2/NDF: 31.5/35

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.416+/-0.170 χ^2/NDF:0.0/0

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 211.416+/-0.170 χ^2/NDF: 0.0/0

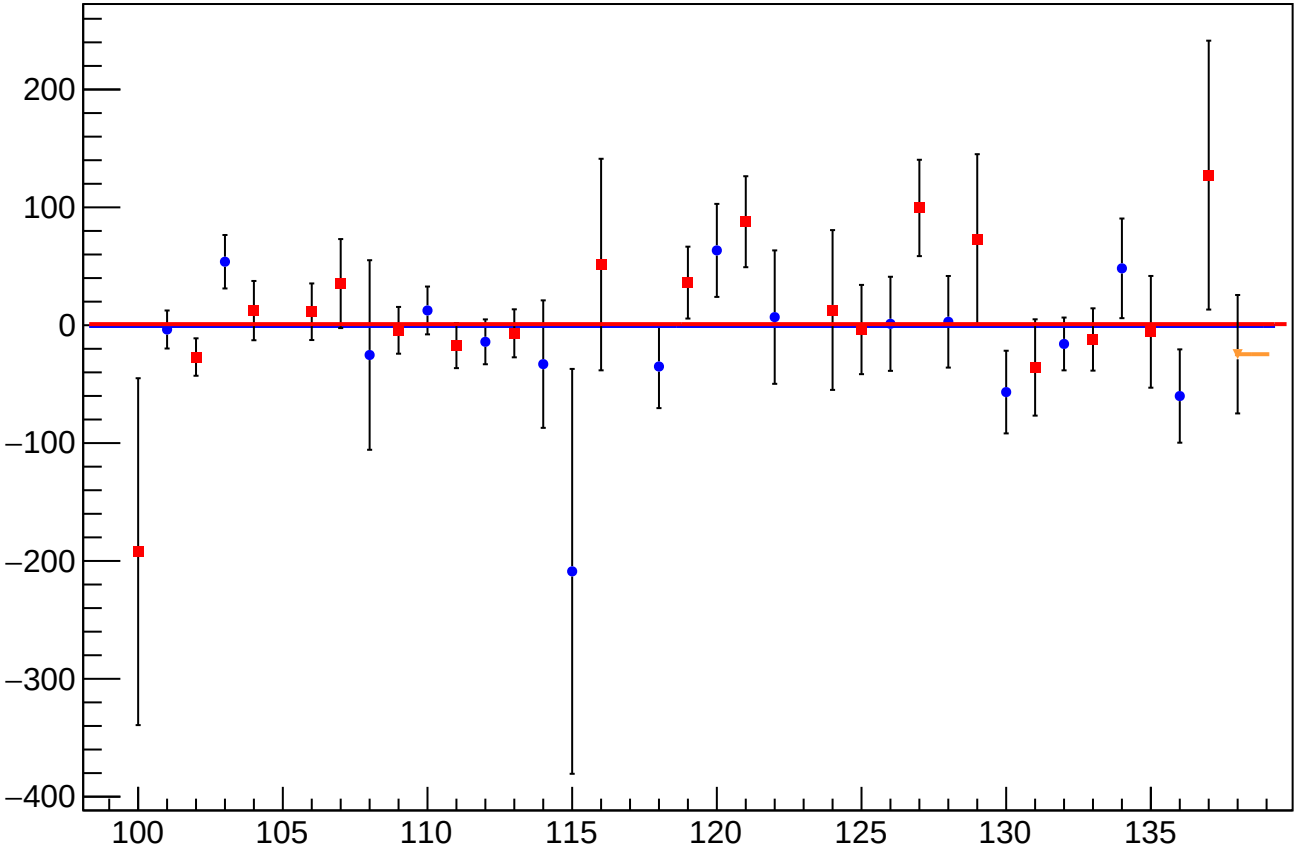
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 194.923+/-0.054 χ^2/NDF:1028901.2/15

Out: 175.602+/-0.047 χ^2/NDF:1679155.4/19

All: 183.819+/-0.035 χ^2/NDF: 2781195.1/35

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -24.593+/-50.246 χ^2/NDF:0.0/0

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -24.593+/-50.246 χ^2/NDF: 0.0/0

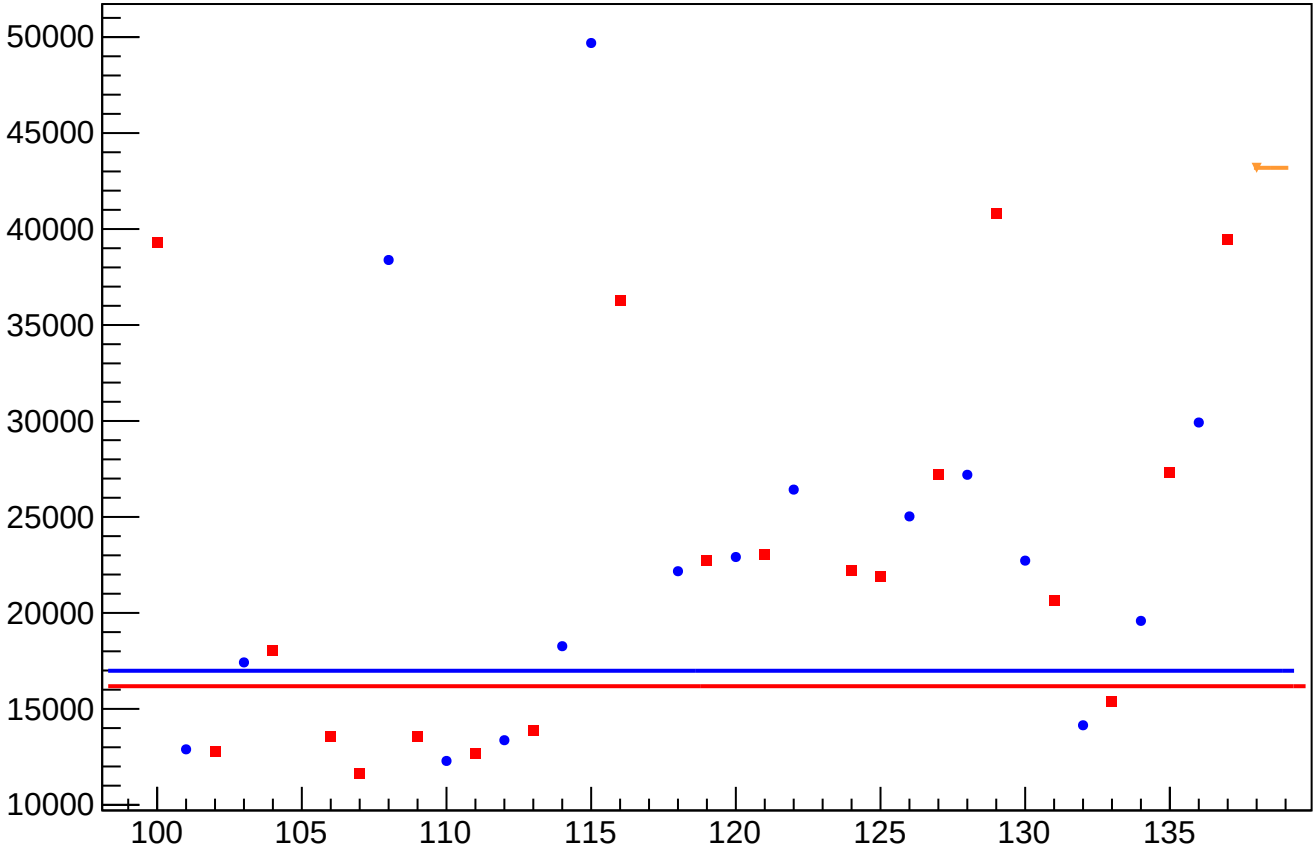
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: -0.624+/-7.340 χ^2/NDF:18.9/15

Out: 0.483+/-6.706 χ^2/NDF:23.3/19

All: -0.021+/-4.951 χ^2/NDF: 42.2/35

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 43189.510+/-35.529 χ^2/NDF:0.0/0

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

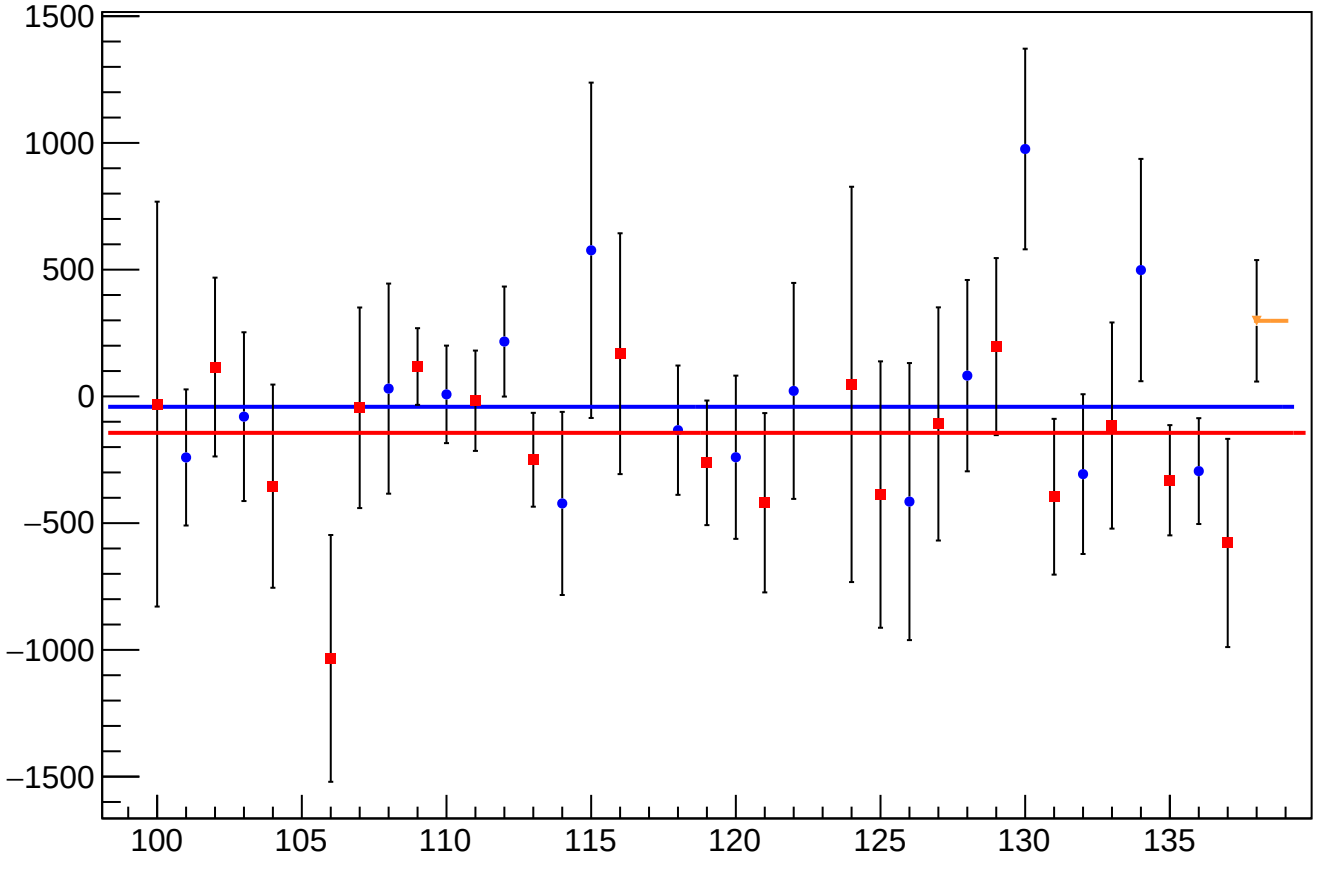
Left: 43189.510+/-35.529 χ^2/NDF: 0.0/0

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 16986.402+/-5.190 χ^2/NDF:1194096.1/15

Out: 16663.074+/-4.742 χ^2/NDF:1819037.2/19

All: 16810.179+/-3.501 χ^2/NDF: 3015248.3/3



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 298.170+/-239.624 χ^2/NDF:0.0/0

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 298.170+/-239.624 χ^2/NDF: 0.0/0

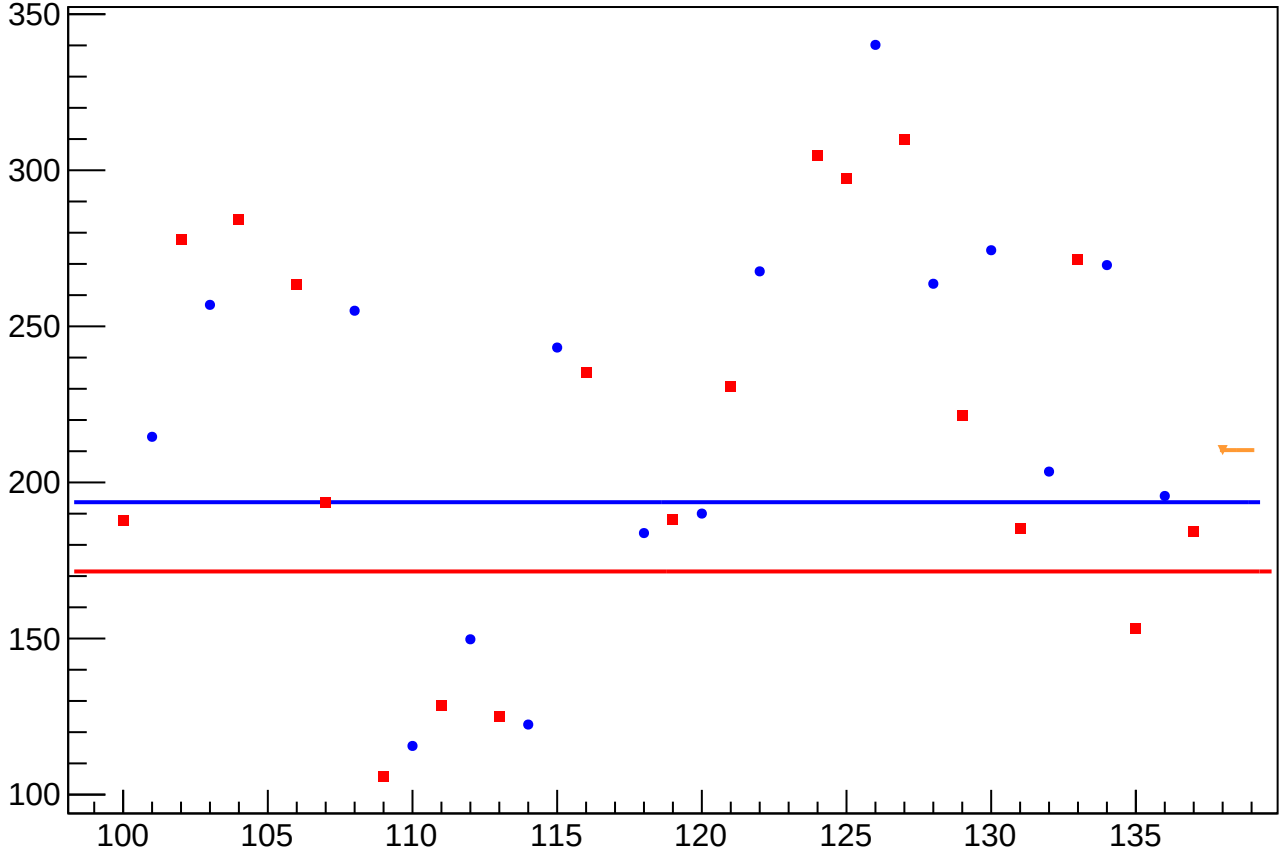
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: -41.048+/-76.156 χ^2/NDF:15.5/15

Out: -110.808+/-65.488 χ^2/NDF:16.2/19

All: -81.152+/-49.654 χ^2/NDF: 32.1/35

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 210.358+/-0.169 χ^2/NDF:0.0/0

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

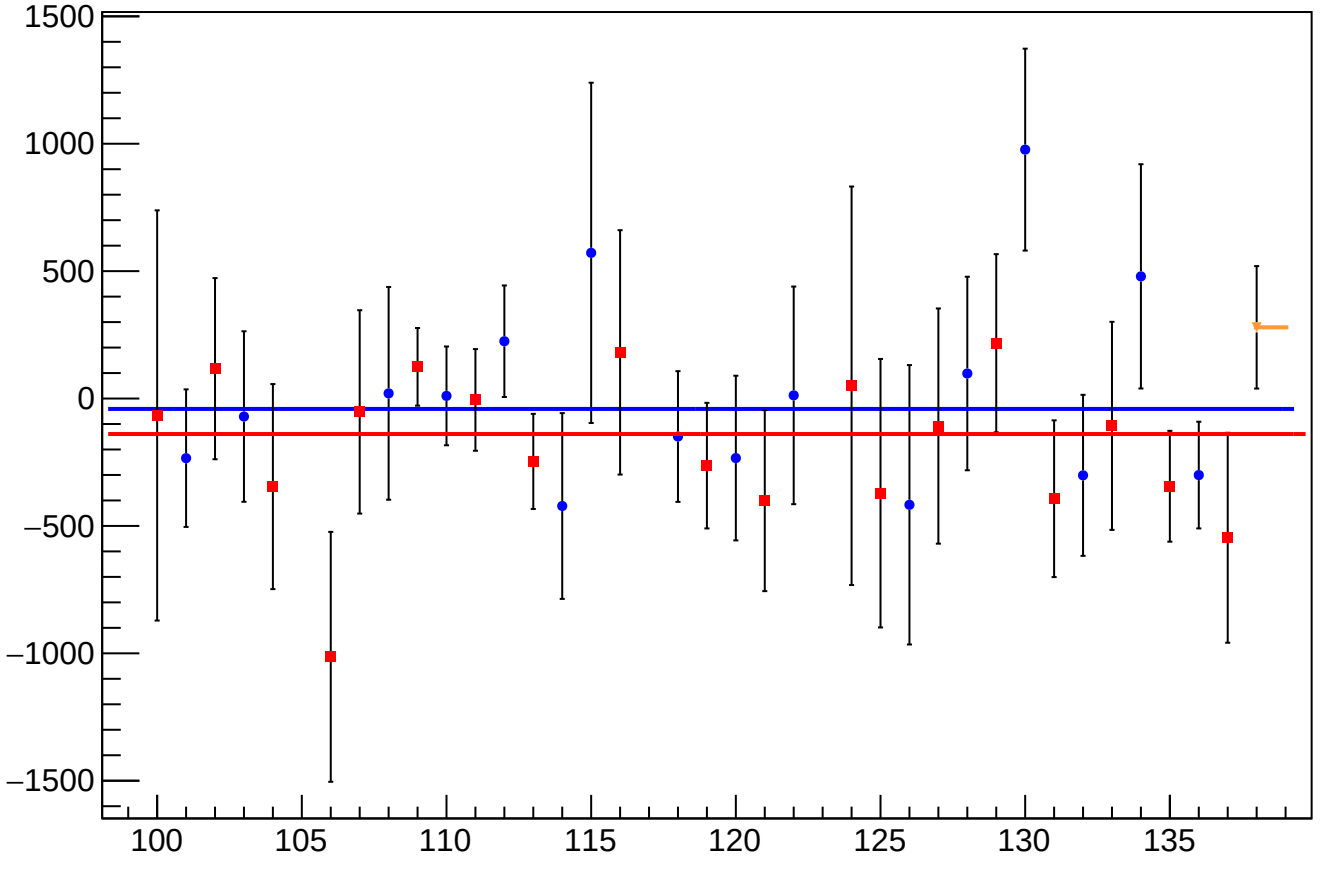
Left: 210.358+/-0.169 χ^2/NDF: 0.0/0

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 193.670+/-0.054 χ^2/NDF:1049772.0/15

Out: 174.387+/-0.046 χ^2/NDF:1701694.4/19

All: 182.585+/-0.035 χ^2/NDF: 2825181.1/35



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 279.496+/-240.332 χ^2/NDF:0.0/0

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 279.496+/-240.332 χ^2/NDF: 0.0/0

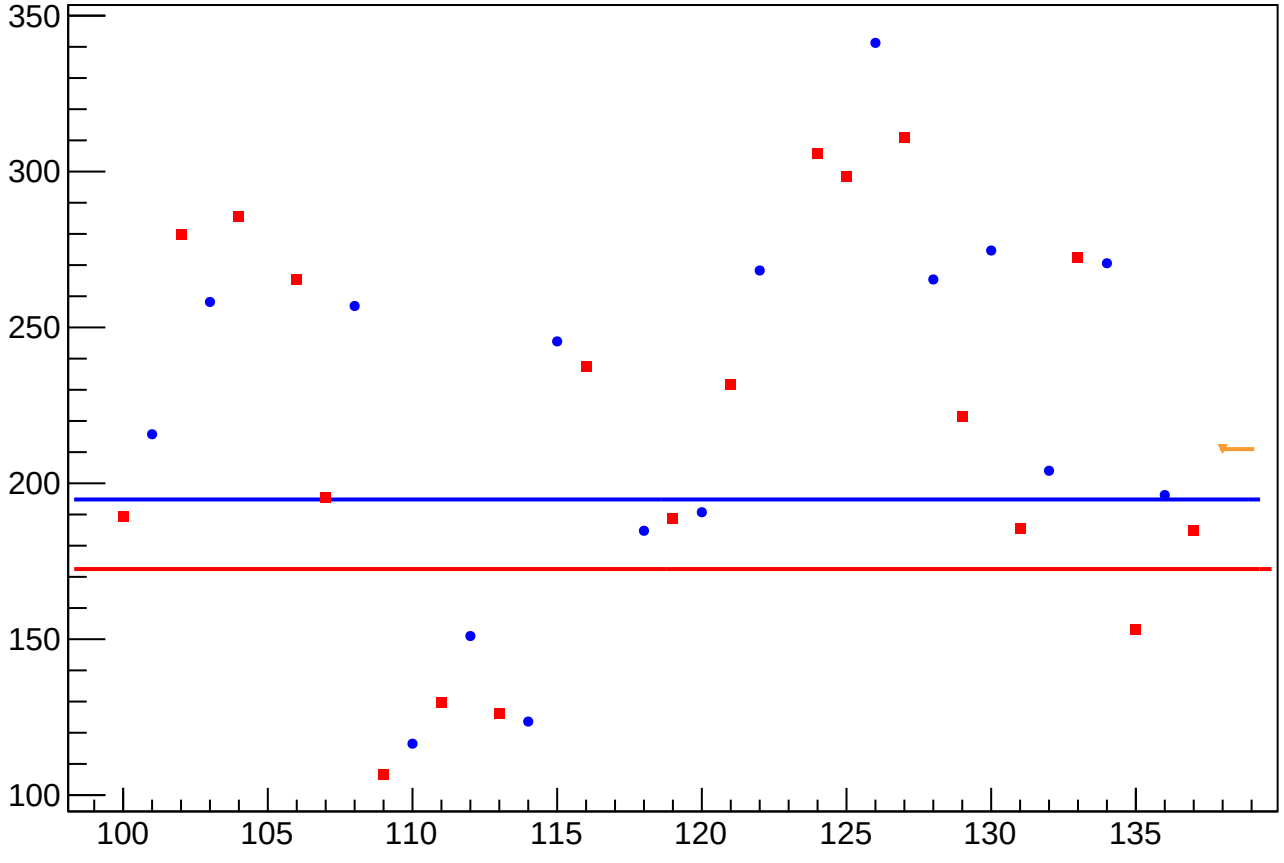
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: -40.798+/-76.579 χ^2/NDF:15.4/15

Out: -107.862+/-65.840 χ^2/NDF:15.7/19

All: -79.358+/-49.925 χ^2/NDF: 31.5/35

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 210.975+/-0.170 χ^2/NDF:0.0/0

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

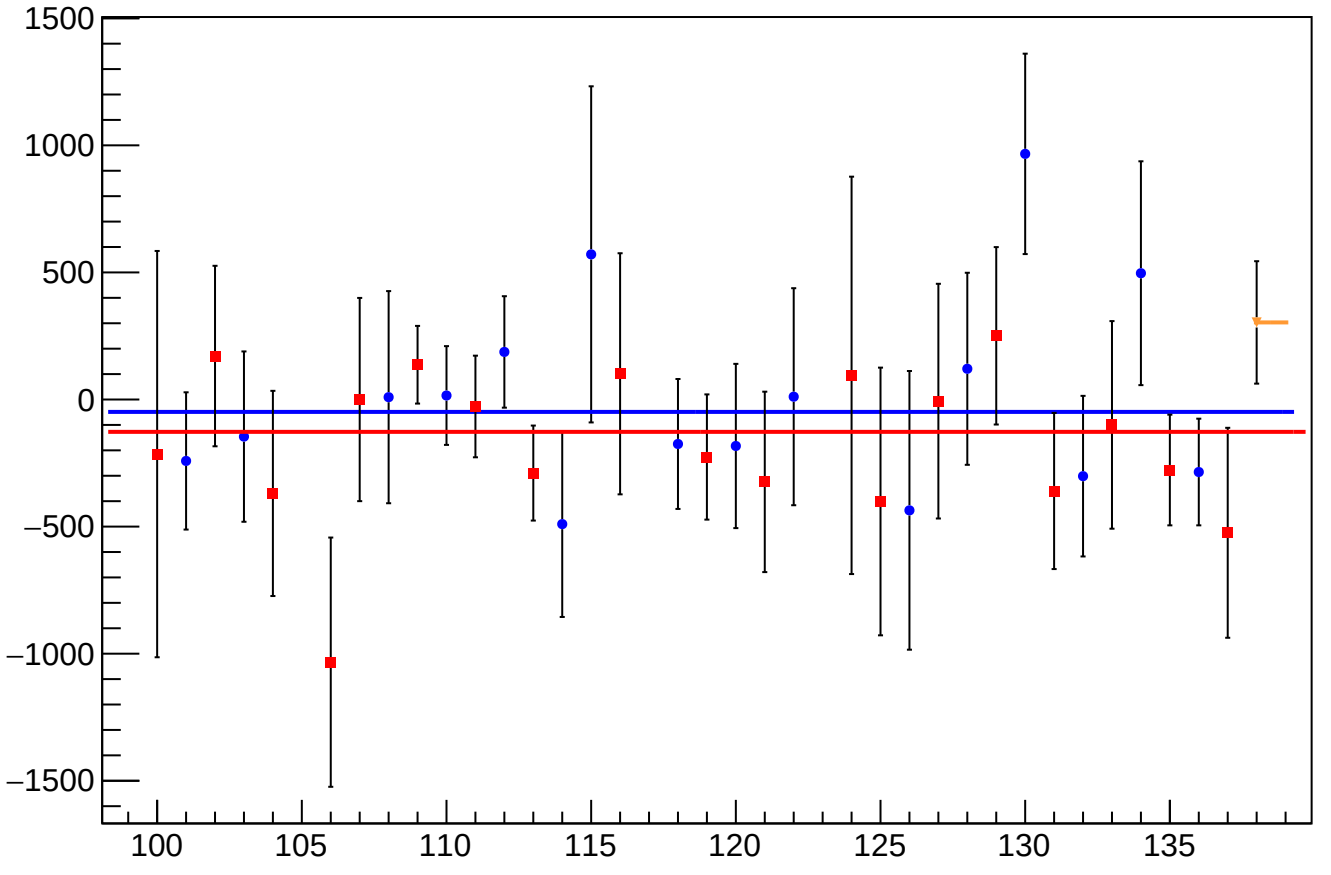
Left: 210.975+/-0.170 χ^2/NDF: 0.0/0

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 194.819+/-0.054 χ^2/NDF:1039096.7/15

Out: 175.394+/-0.047 χ^2/NDF:1689453.6/19

All: 183.650+/-0.035 χ^2/NDF: 2802547.1/35



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 303.301+/-240.839 χ^2/NDF:0.0/0

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 303.301+/-240.839 χ^2/NDF: 0.0/0

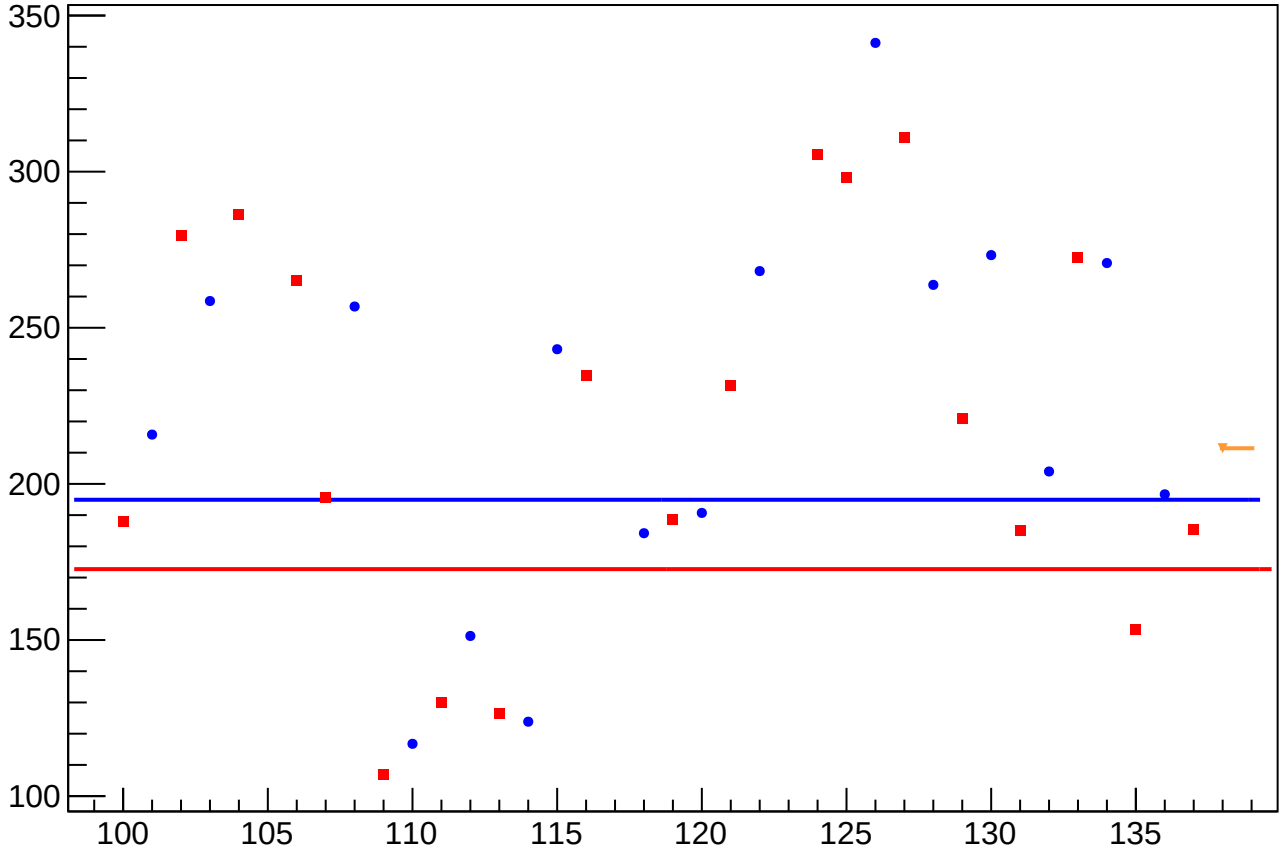
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: -48.749+/-76.592 χ^2/NDF:15.4/15

Out: -95.020+/-65.892 χ^2/NDF:15.8/19

All: -75.340+/-49.951 χ^2/NDF: 31.5/35

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.416+/-0.170 χ^2/NDF:0.0/0

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

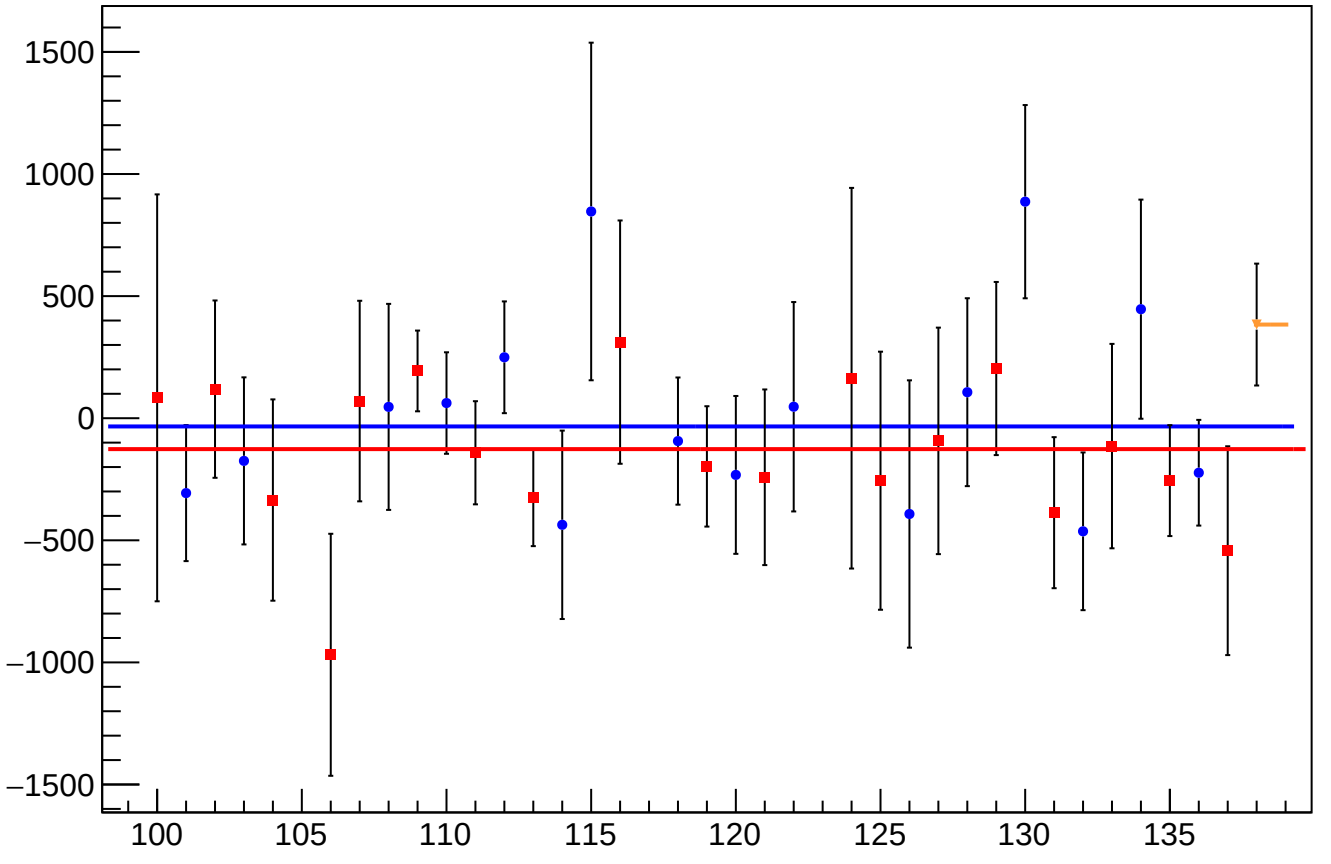
Left: 211.416+/-0.170 χ^2/NDF: 0.0/0

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 194.923+/-0.054 χ^2/NDF:1028901.2/15

Out: 175.602+/-0.047 χ^2/NDF:1679155.4/19

All: 183.819+/-0.035 χ^2/NDF: 2781195.1/35



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 383.515+/-249.561 χ^2/NDF:0.0/0

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 383.515+/-249.561 χ^2/NDF: 0.0/0

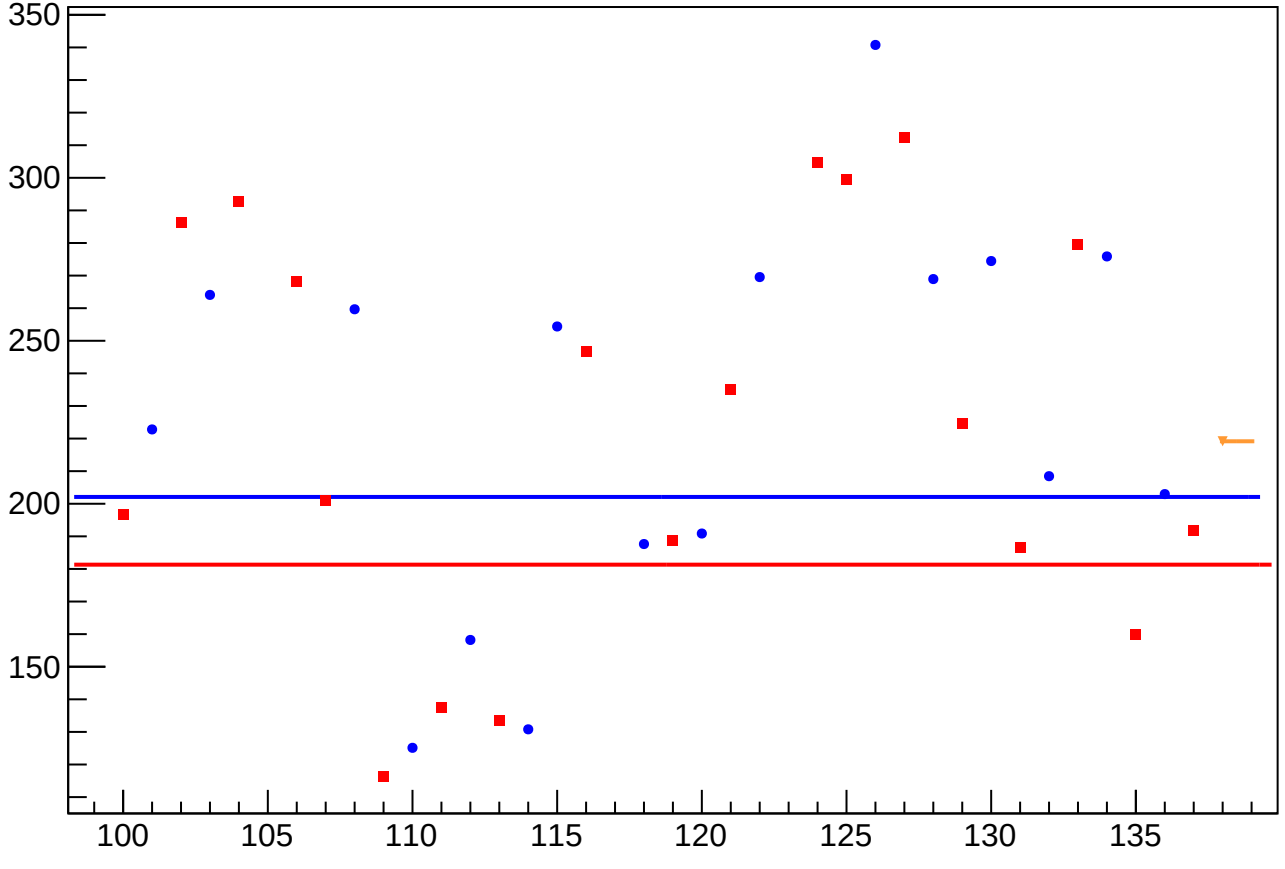
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: -33.731+/-78.996 χ^2/NDF:15.7/15

Out: -88.061+/-68.565 χ^2/NDF:16.5/19

All: -64.717+/-51.781 χ^2/NDF: 32.6/35

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 219.166+/-0.176 χ^2/NDF:0.0/0

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

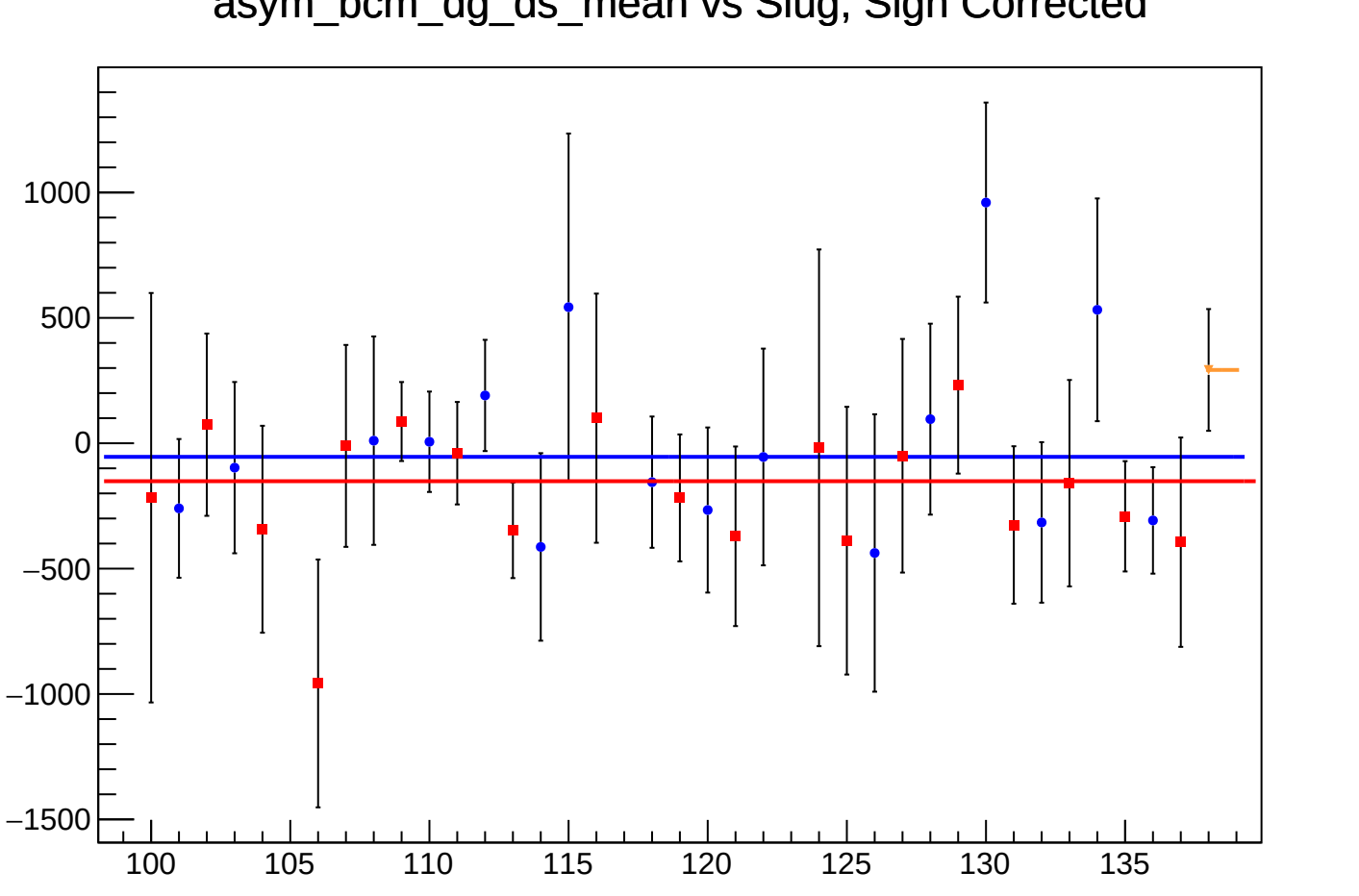
Left: 219.166+/-0.176 χ^2/NDF: 0.0/0

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 202.090+/-0.056 χ^2/NDF:910259.2/15

Out: 184.170+/-0.048 χ^2/NDF:1483531.3/19

All: 191.869+/-0.037 χ^2/NDF: 2452493.0/35



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 292.376+/-242.804 χ^2/NDF:0.0/0

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 292.376+/-242.804 χ^2/NDF: 0.0/0

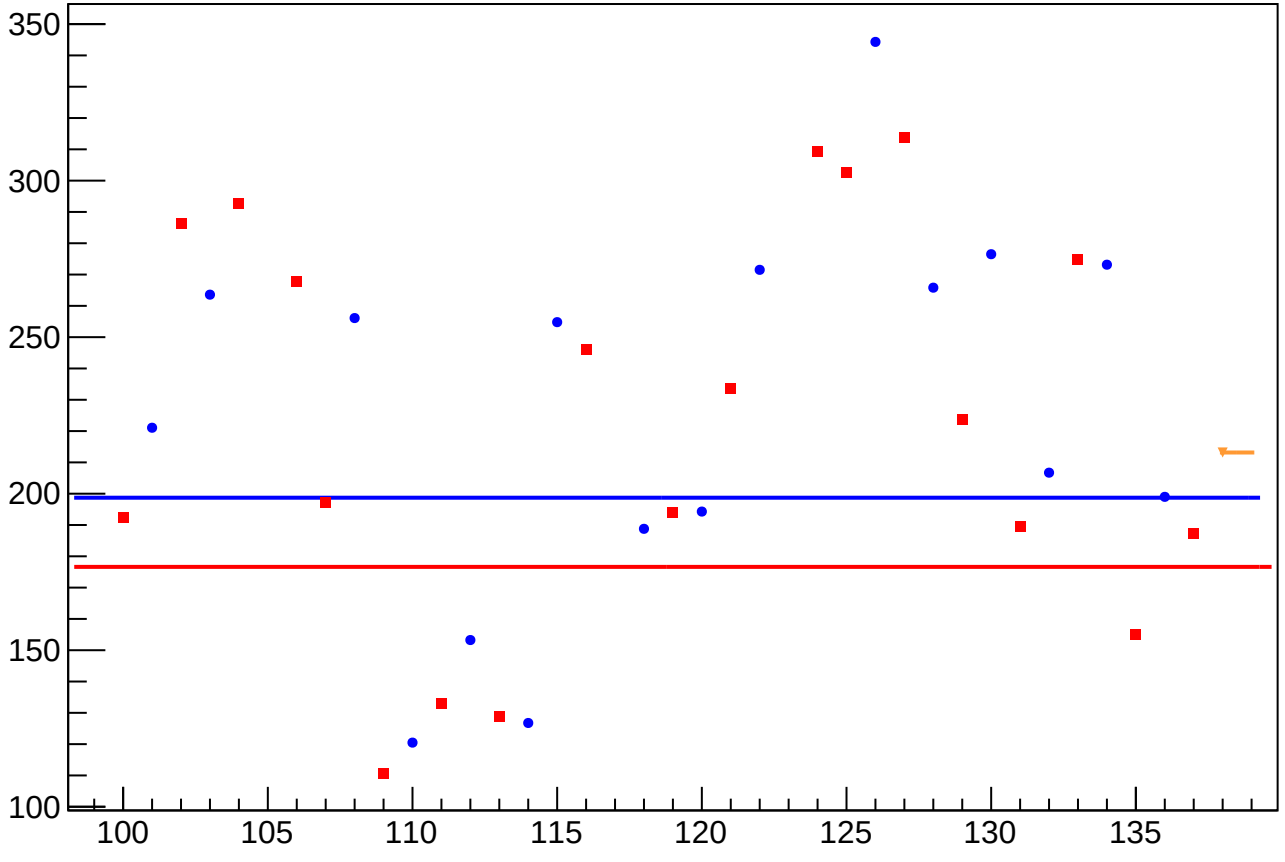
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: -54.254+/-77.946 χ^2/NDF:15.1/15

Out: -117.395+/-67.173 χ^2/NDF:13.3/19

All: -90.486+/-50.885 χ^2/NDF: 28.8/35

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 213.159+/-0.172 χ^2/NDF:0.0/0

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 213.159+/-0.172 χ^2/NDF: 0.0/0

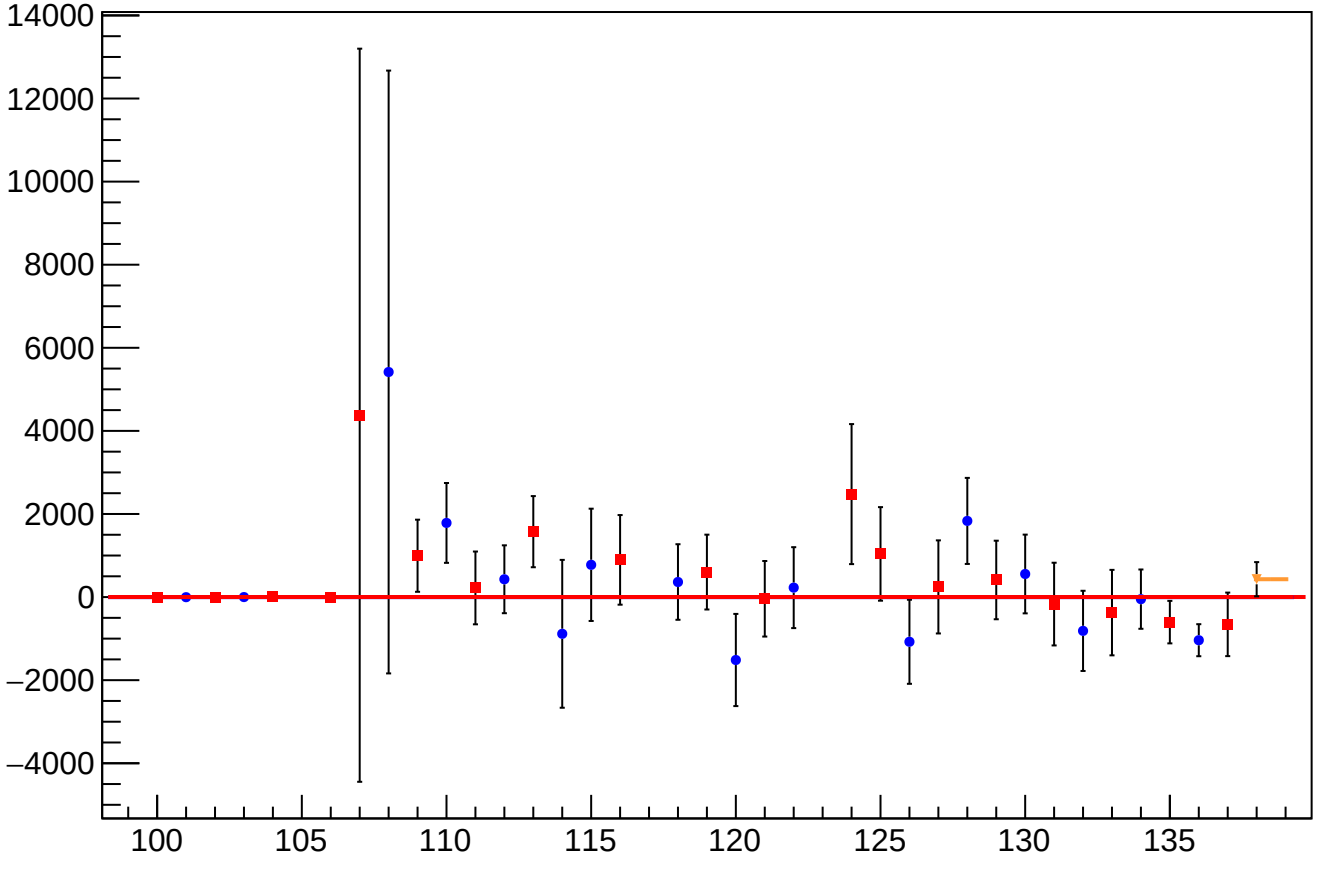
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 198.718+/-0.055 χ^2/NDF:994068.9/15

Out: 179.418+/-0.047 χ^2/NDF:1637534.0/19

All: 187.643+/-0.036 χ^2/NDF: 2701967.9/35

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 429.629+/-411.988 χ^2/NDF:0.0/0

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 429.629+/-411.988 χ^2/NDF: 0.0/0

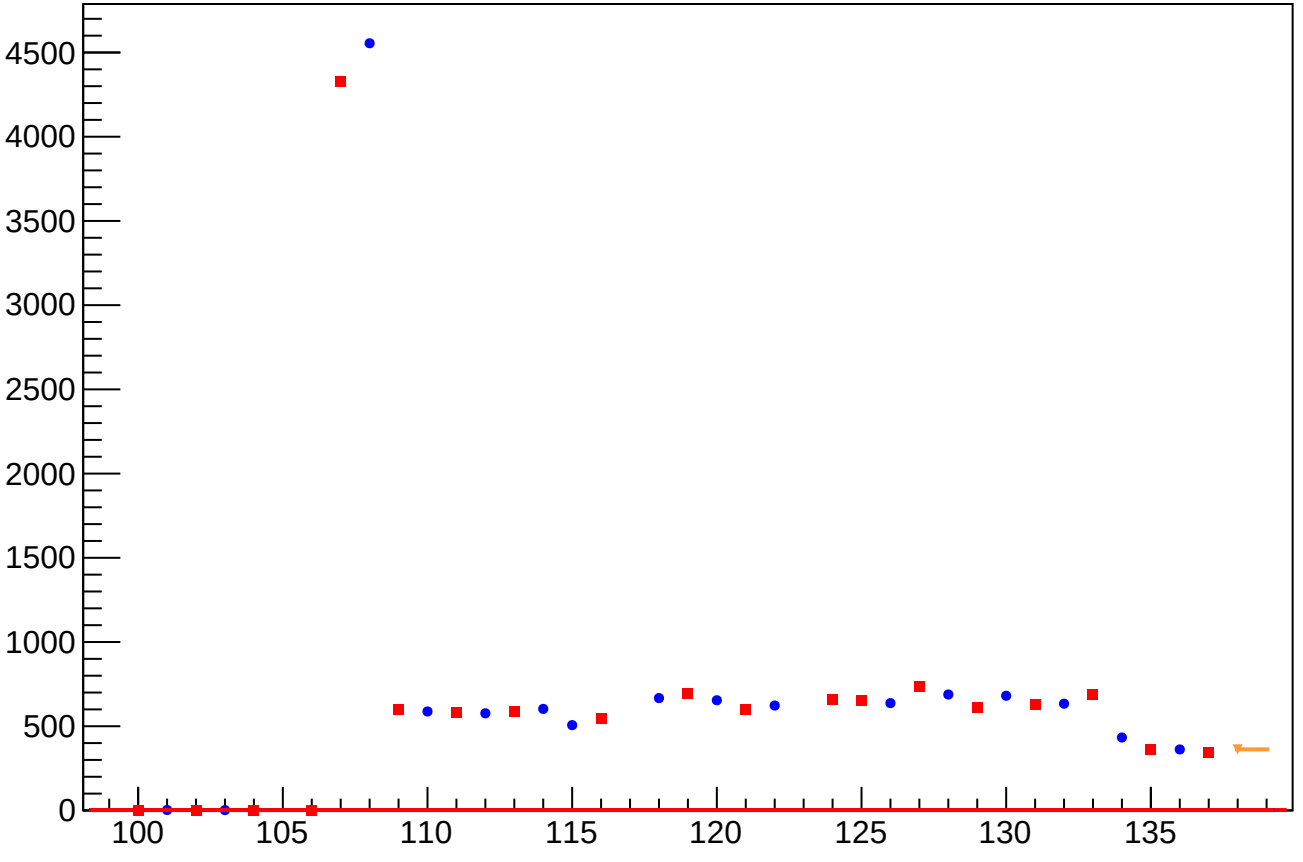
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.239+/-2.171 χ^2/NDF:19.9/15

Out: 1.388+/-2.022 χ^2/NDF:17.9/19

All: 0.167+/-1.480 χ^2/NDF: 38.6/35

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 362.644+/-0.291 χ^2/NDF:0.0/0

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 362.644+/-0.291 χ^2/NDF: 0.0/0

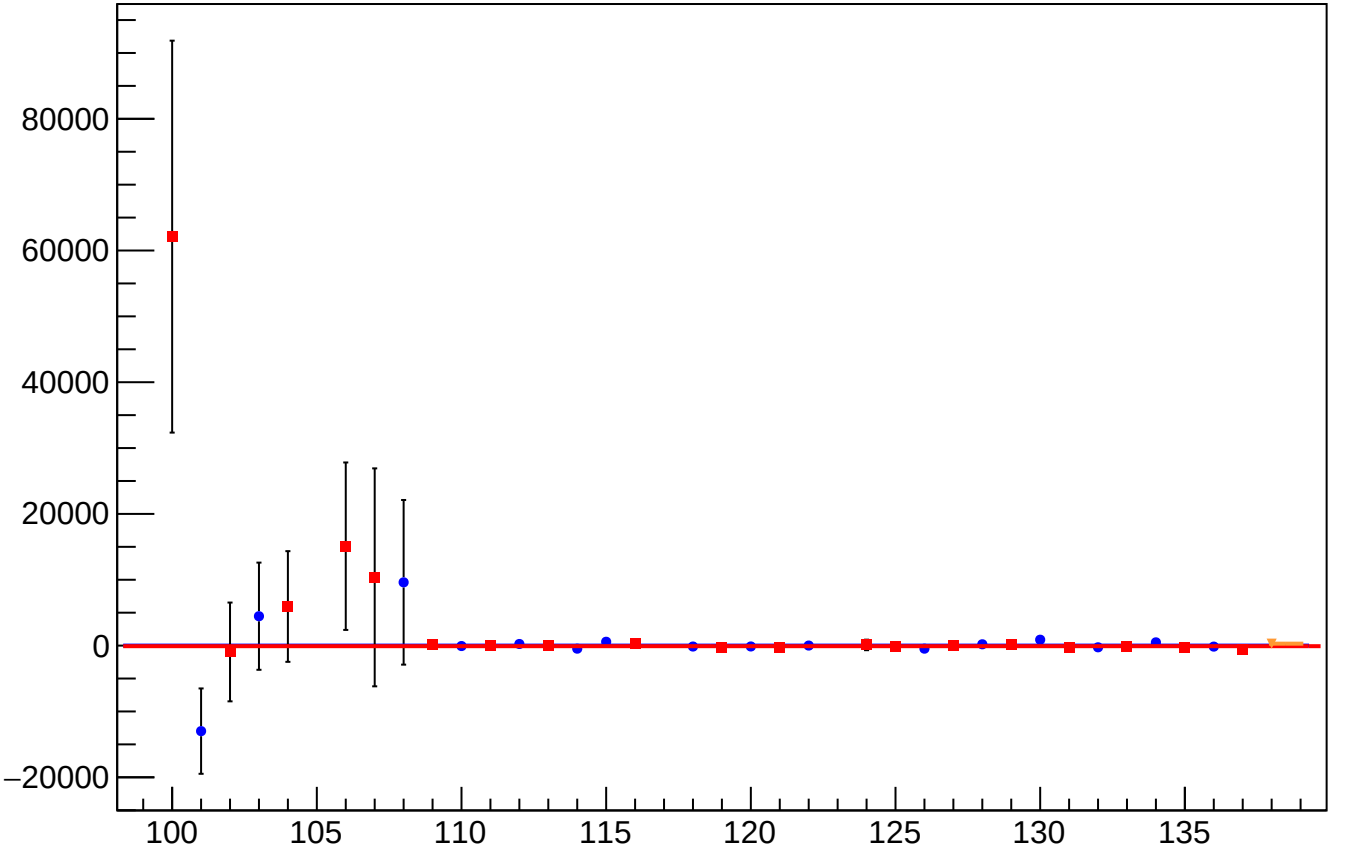
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.477+/-0.002 χ^2/NDF:11626192.3/15

Out: 2.471+/-0.001 χ^2/NDF:13074039.6/19

All: 2.474+/-0.001 χ^2/NDF: 24700239.7/35

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 295.141+/-243.438 χ^2/NDF:0.0/0

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 295.141+/-243.438 χ^2/NDF: 0.0/0

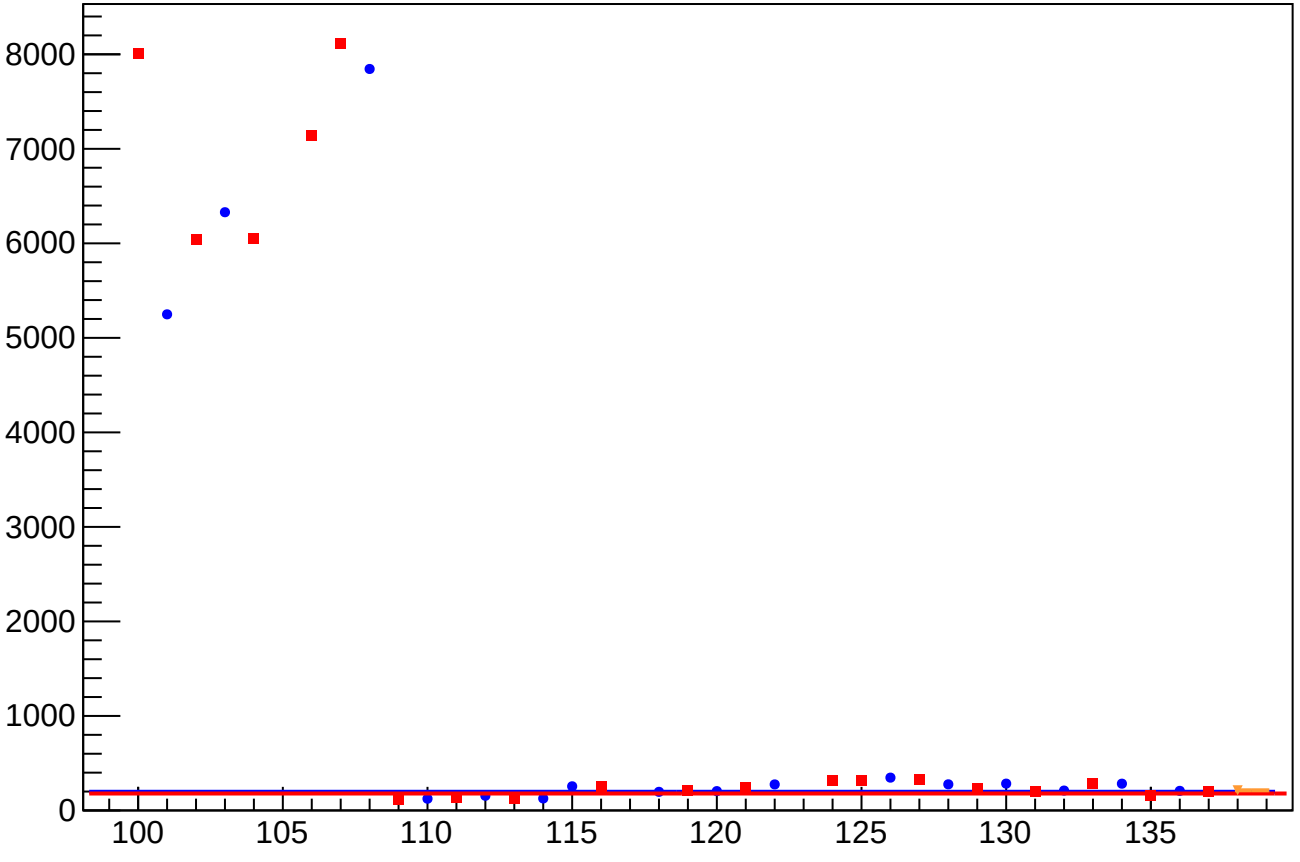
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 0.575+/-87.823 χ^2/NDF:16.8/15

Out: -49.376+/-77.373 χ^2/NDF:17.1/19

All: -27.547+/-58.056 χ^2/NDF: 34.1/35

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 213.173+/-0.172 χ^2/NDF:0.0/0

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 213.173+/-0.172 χ^2/NDF: 0.0/0

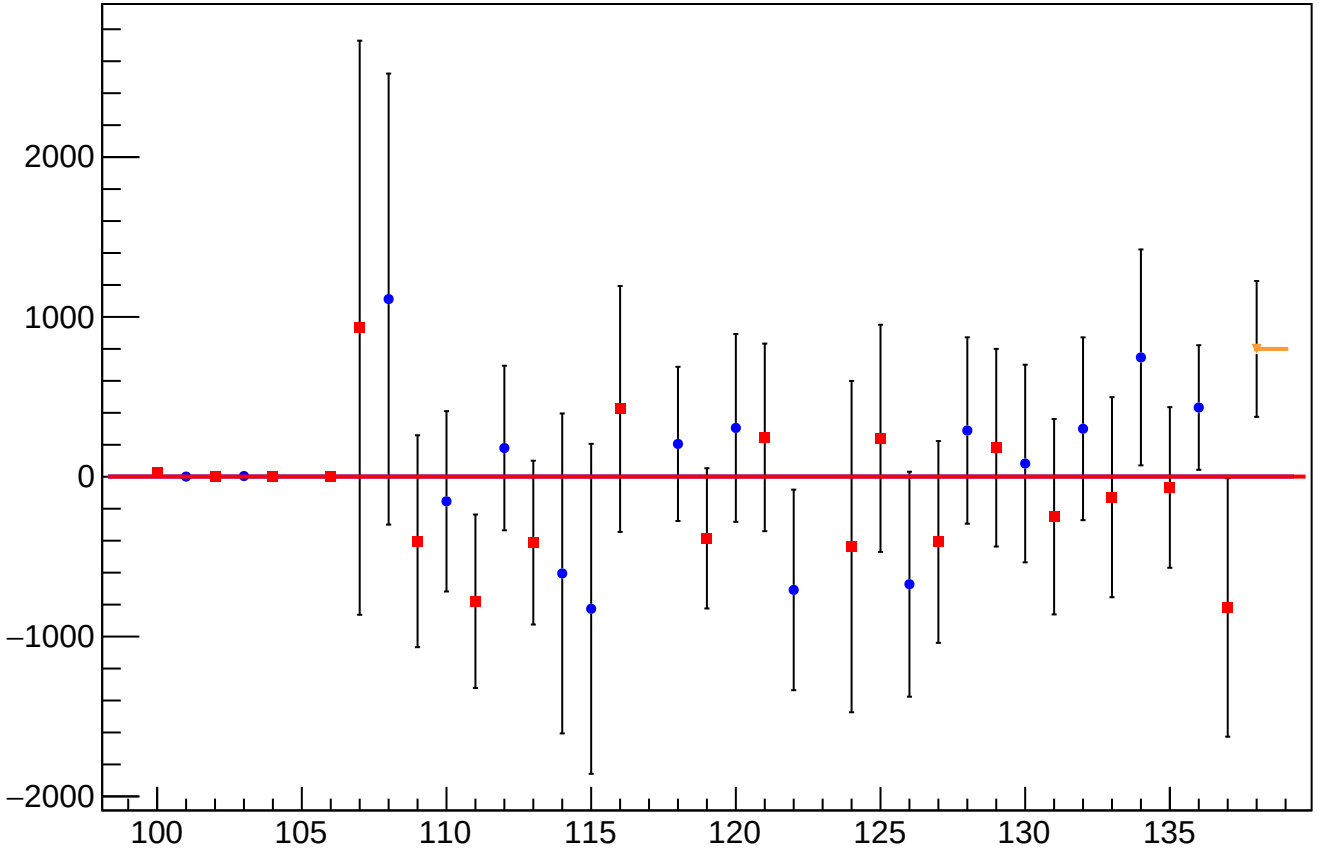
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 197.620+/-0.062 χ^2/NDF:3957192.6/15

Out: 182.677+/-0.055 χ^2/NDF:4453336.9/19

All: 189.207+/-0.041 χ^2/NDF: 8443128.3/35

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 799.850+/-425.078 χ^2/NDF:0.0/0

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 799.850+/-425.078 χ^2/NDF: 0.0/0

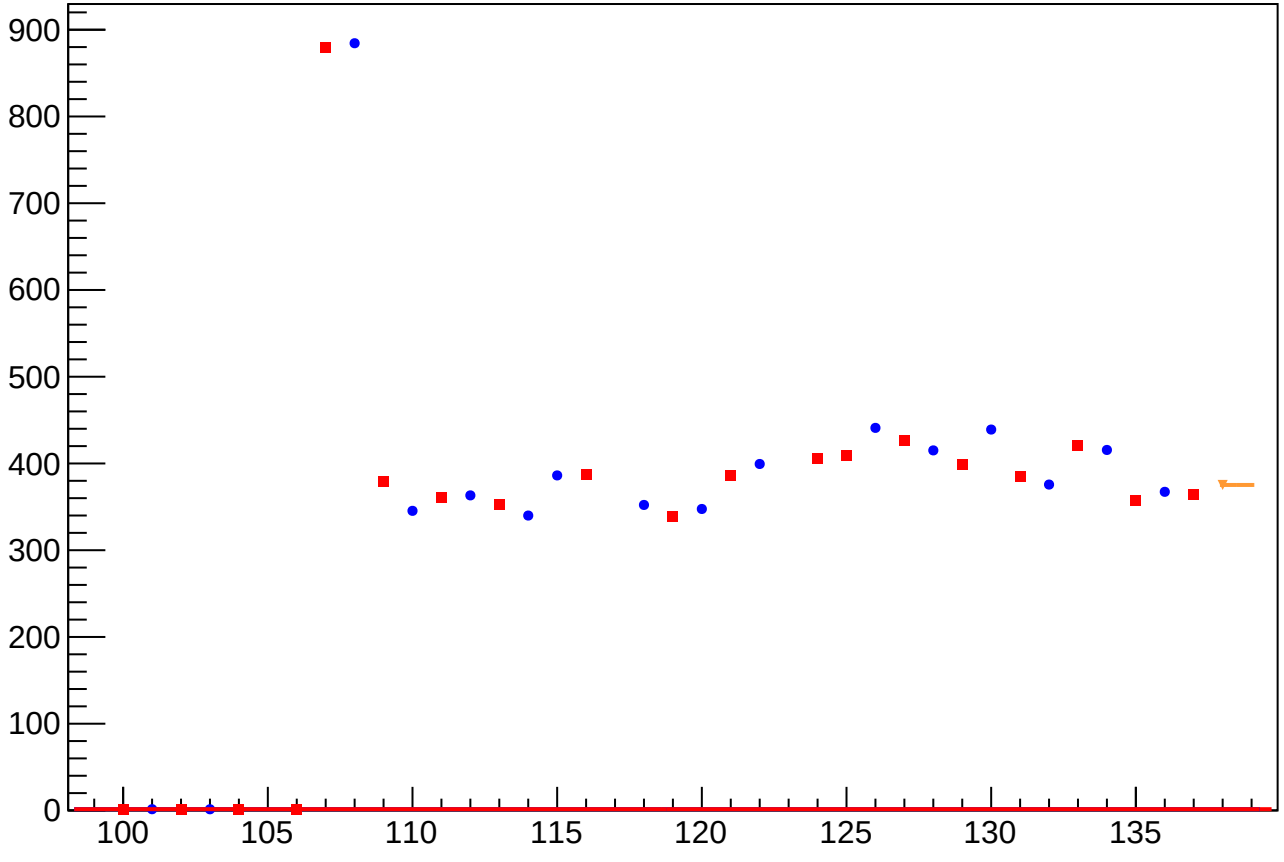
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.456+/-1.660 χ^2/NDF:7.9/15

Out: 1.104+/-1.528 χ^2/NDF:12.7/19

All: 1.265+/-1.124 χ^2/NDF: 20.6/35

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 375.227+/-0.301 χ^2/NDF:0.0/0

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 375.227+/-0.301 χ^2/NDF: 0.0/0

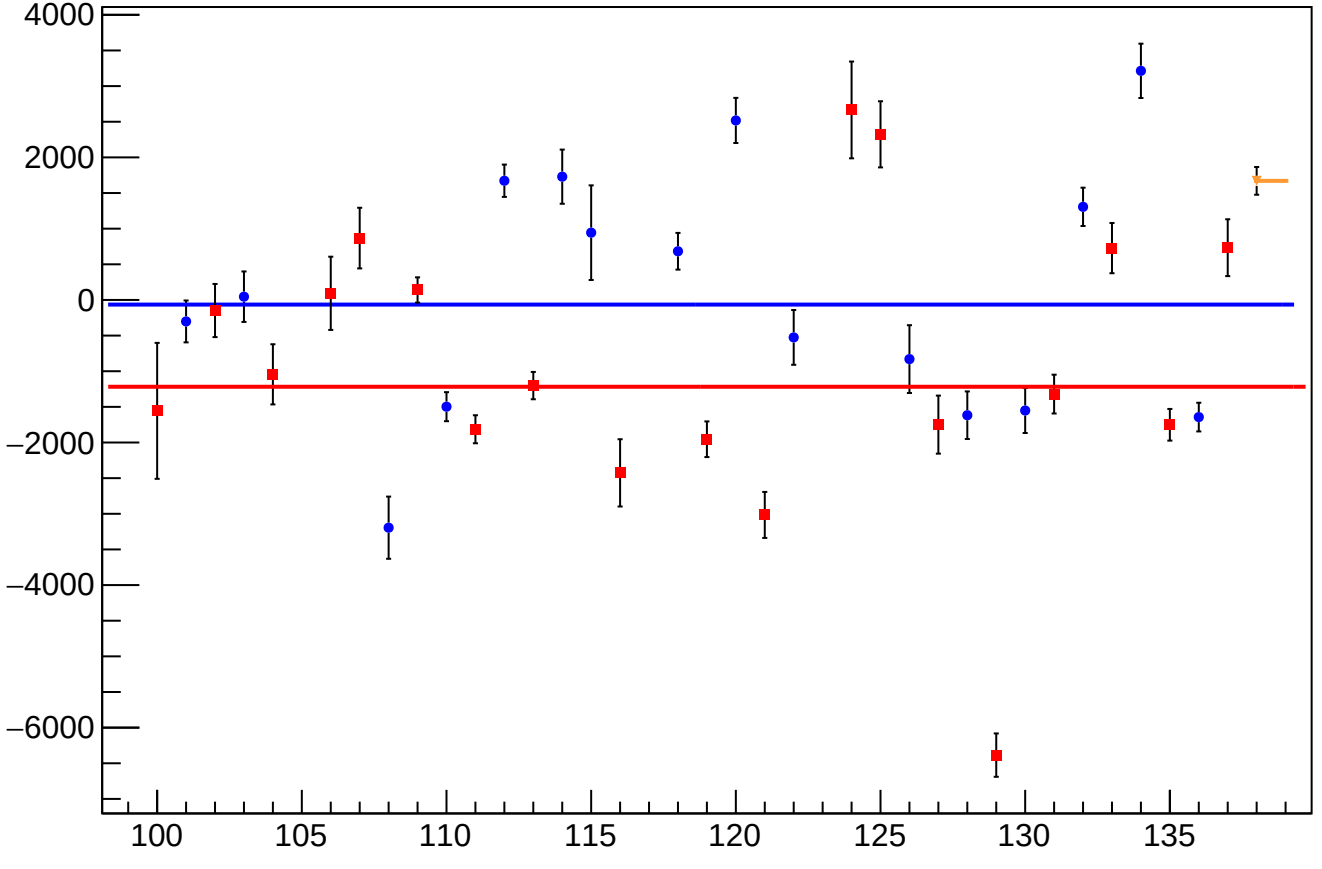
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.470+/-0.001 χ^2/NDF:11735334.0/15

Out: 1.472+/-0.001 χ^2/NDF:12816654.5/19

All: 1.471+/-0.001 χ^2/NDF: 24551989.8/35

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1670.475+/-194.593 χ^2/NDF:0.0/0

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1670.475+/-194.593 χ^2/NDF: 0.0/0

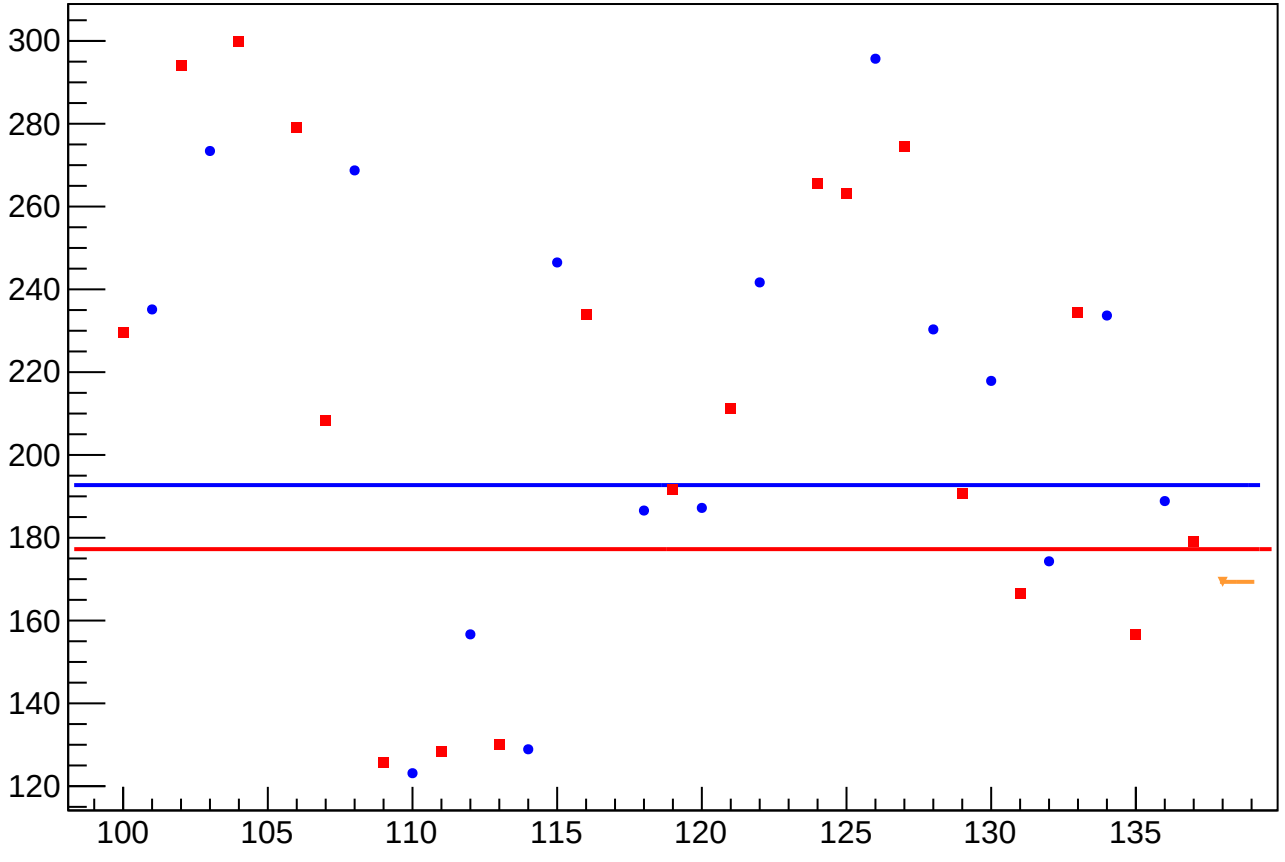
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -64.993+/-74.895 χ^2/NDF:469.5/15

Out: -895.069+/-65.051 χ^2/NDF:790.3/19

All: -538.130+/-49.112 χ^2/NDF: 1329.8/35

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 169.352+/-0.138 χ^2/NDF:0.0/0

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 169.352+/-0.138 χ^2/NDF: 0.0/0

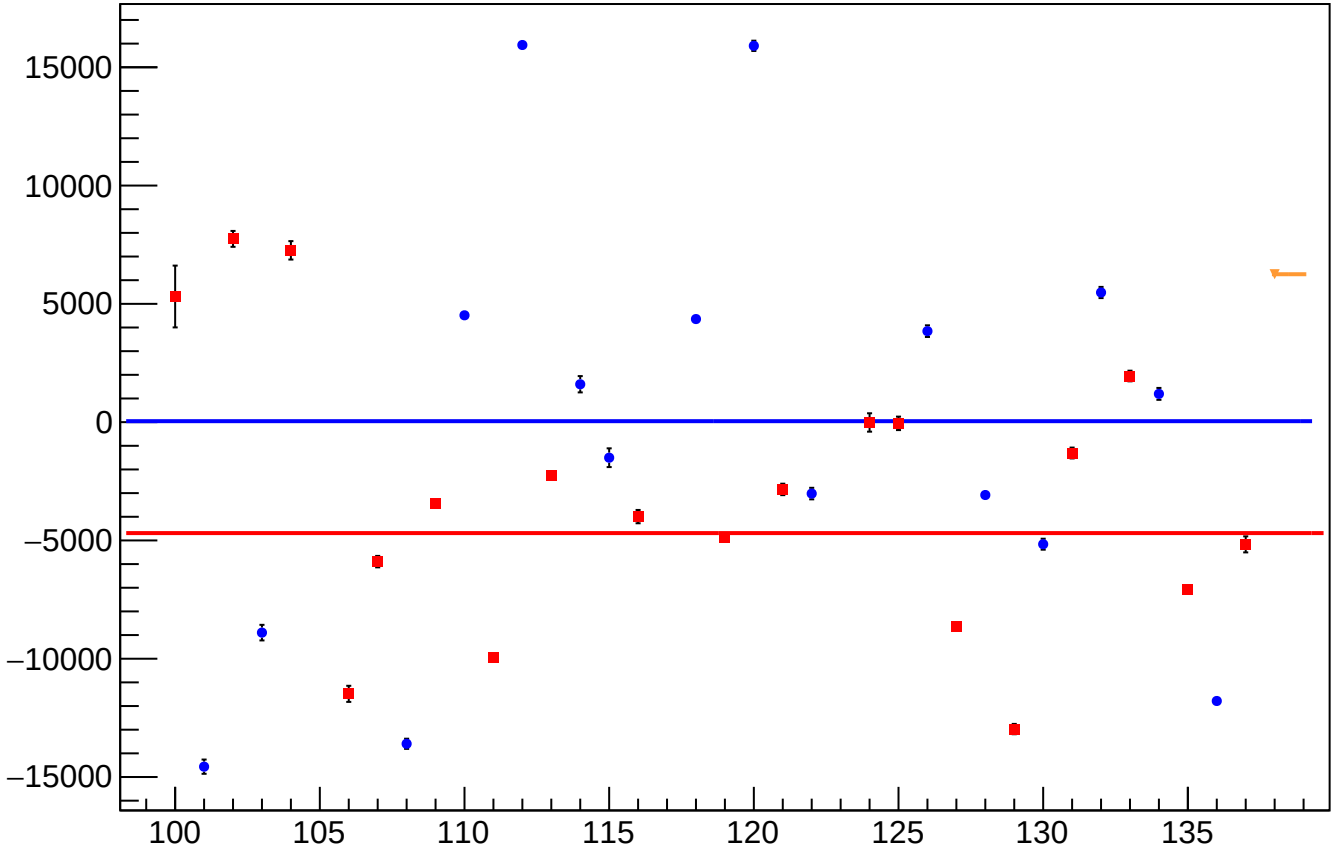
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 192.719+/-0.053 χ^2/NDF:759146.3/15

Out: 176.369+/-0.046 χ^2/NDF:1229107.3/19

All: 183.399+/-0.035 χ^2/NDF: 2042586.0/35

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 6252.178+/-185.972 χ^2/NDF:0.0/0

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6252.178+/-185.972 χ^2/NDF: 0.0/0

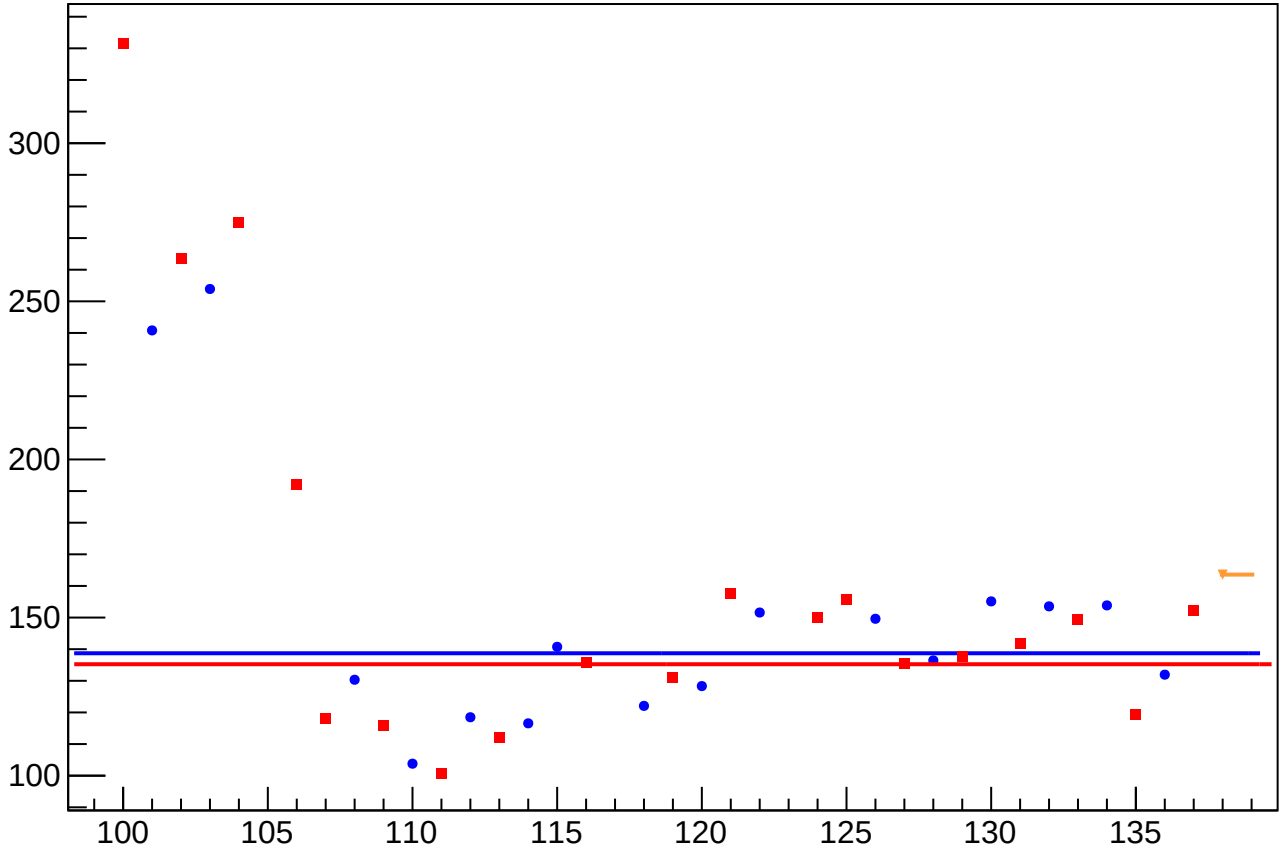
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: 40.915+/-54.199 χ^2/NDF:30786.3/15

Out: -3893.578+/-50.164 χ^2/NDF:11005.5/19

All: -2078.211+/-36.815 χ^2/NDF: 44630.2/35

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 163.586+/-0.132 χ^2/NDF:0.0/0

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 163.586+/-0.132 χ^2/NDF: 0.0/0

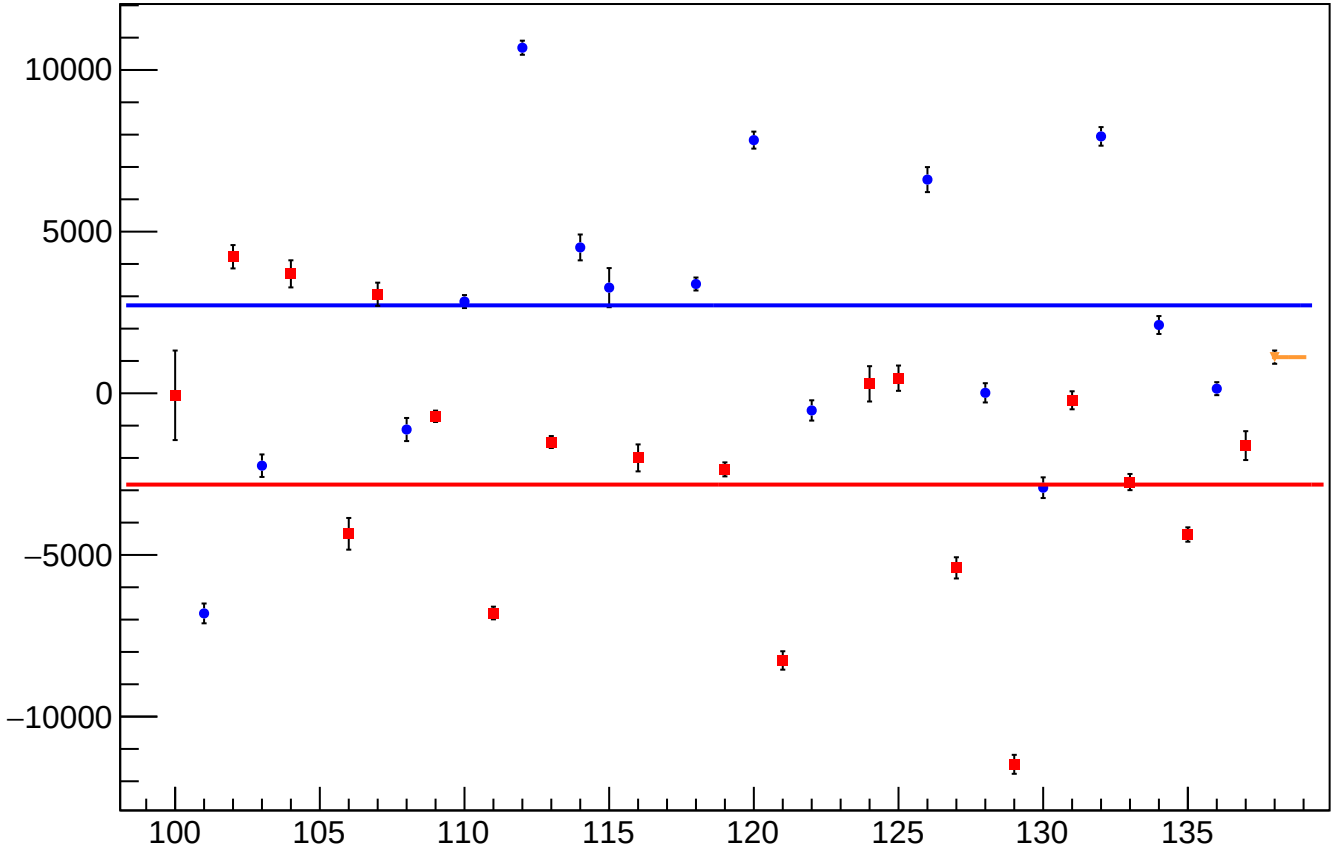
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 138.712+/-0.038 χ^2/NDF:657791.3/15

Out: 137.307+/-0.035 χ^2/NDF:933092.3/19

All: 137.955+/-0.026 χ^2/NDF: 1591607.2/35

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: 1117.922+/-205.408 χ^2/NDF:0.0/0

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1117.922+/-205.408 χ^2/NDF: 0.0/0

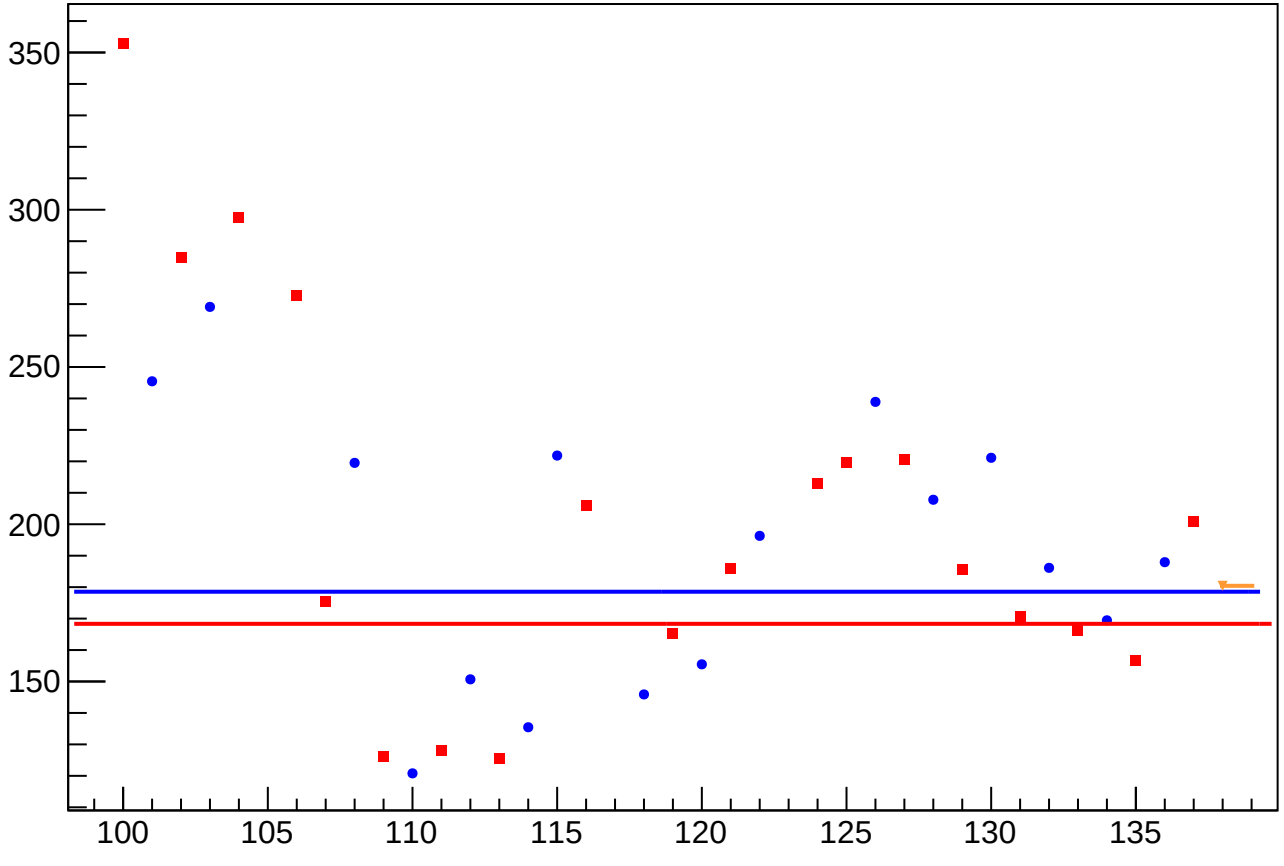
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: 2719.896+/-69.247 χ^2/NDF:4129.3/15

Out: -2466.410+/-61.841 χ^2/NDF:3397.6/19

All: -165.317+/-46.125 χ^2/NDF: 10647.4/35

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 180.422+/-0.145 χ^2/NDF:0.0/0

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

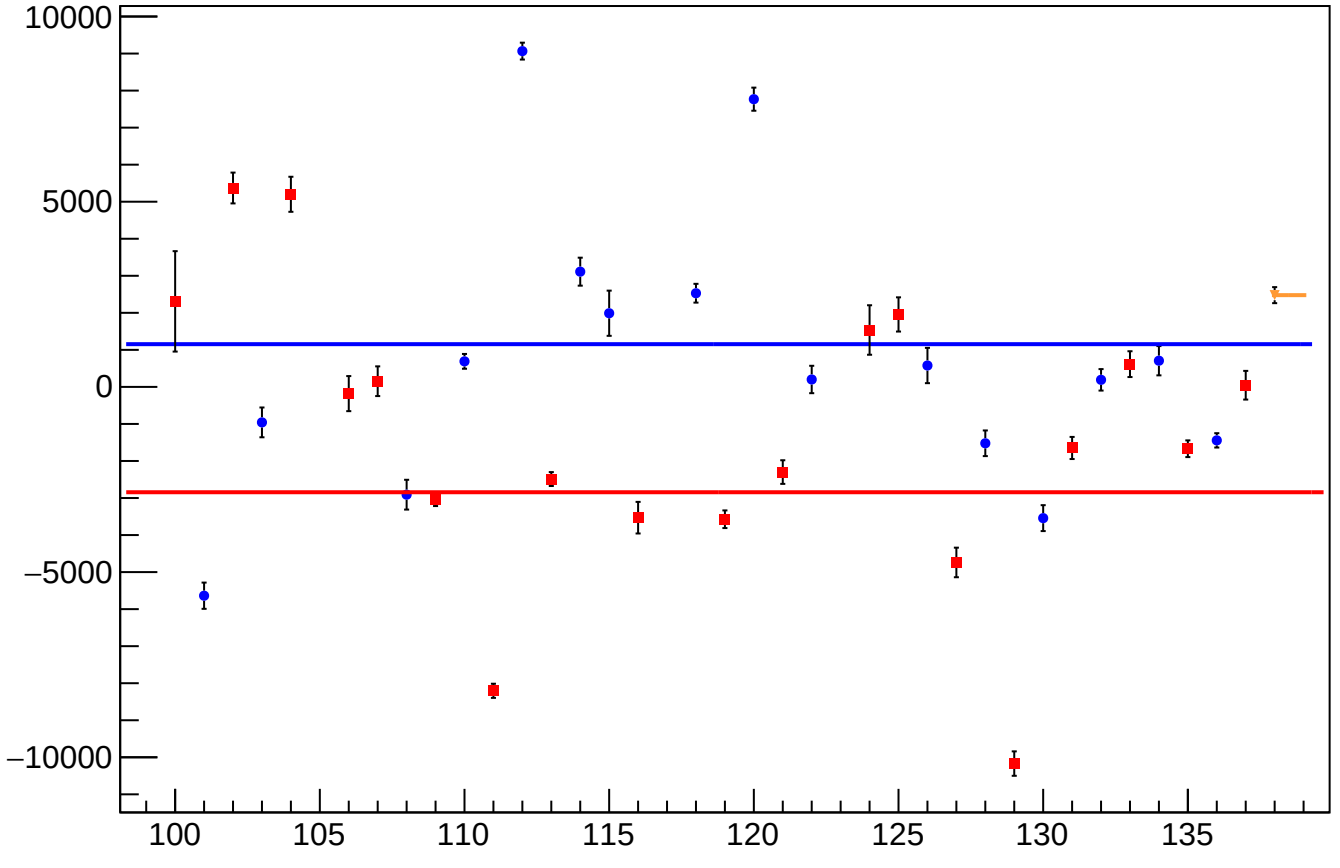
Left: 180.422+/-0.145 χ^2/NDF: 0.0/0

Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 178.541+/-0.049 χ^2/NDF:674566.0/15

Out: 169.430+/-0.044 χ^2/NDF:985783.5/19

All: 173.473+/-0.033 χ^2/NDF: 1679609.6/35



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2477.455+/-216.347 χ^2/NDF:0.0/0

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2477.455+/-216.347 χ^2/NDF: 0.0/0

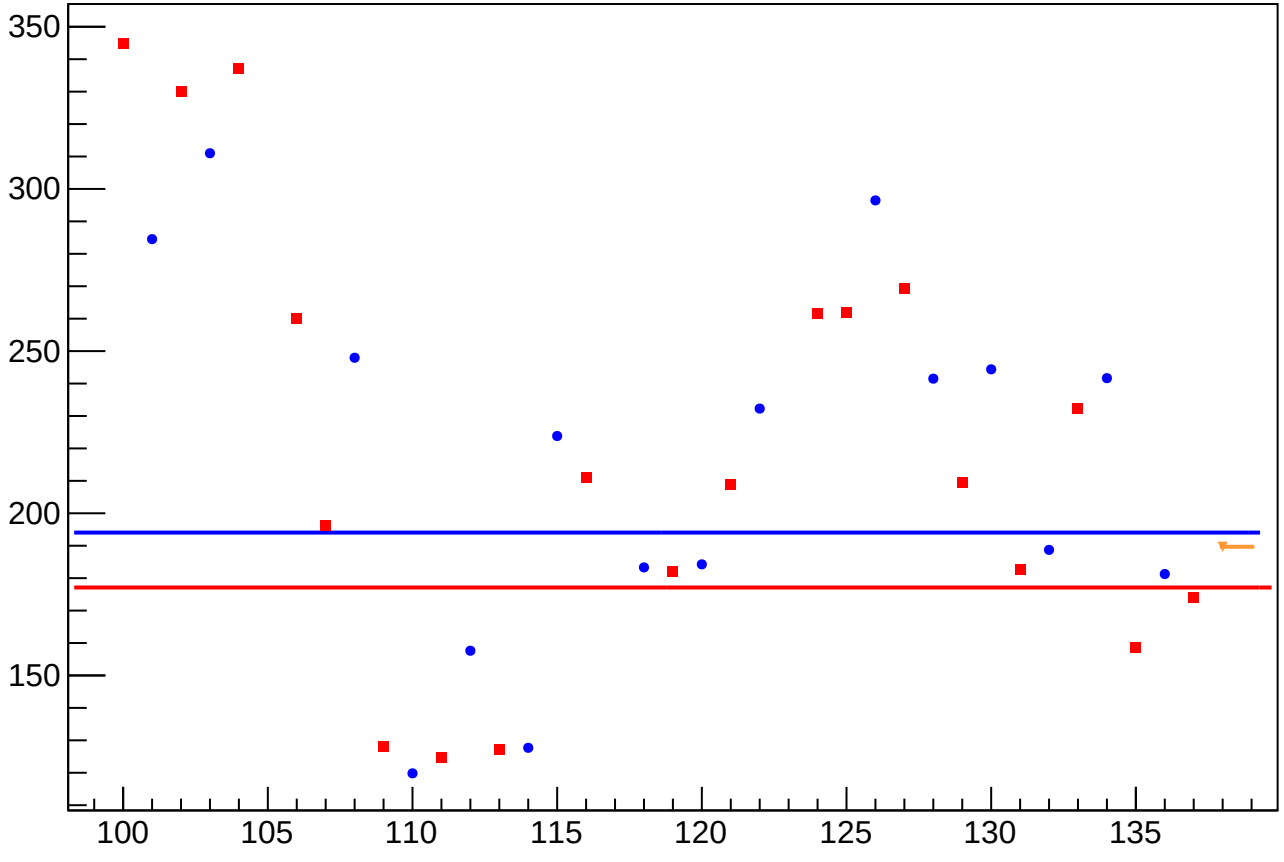
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: 1153.823+/-75.957 χ^2/NDF:2655.3/15

Out: -2350.795+/-65.858 χ^2/NDF:3002.1/19

All: -846.800+/-49.759 χ^2/NDF: 6872.7/35

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 189.672+/-0.153 χ^2/NDF:0.0/0

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

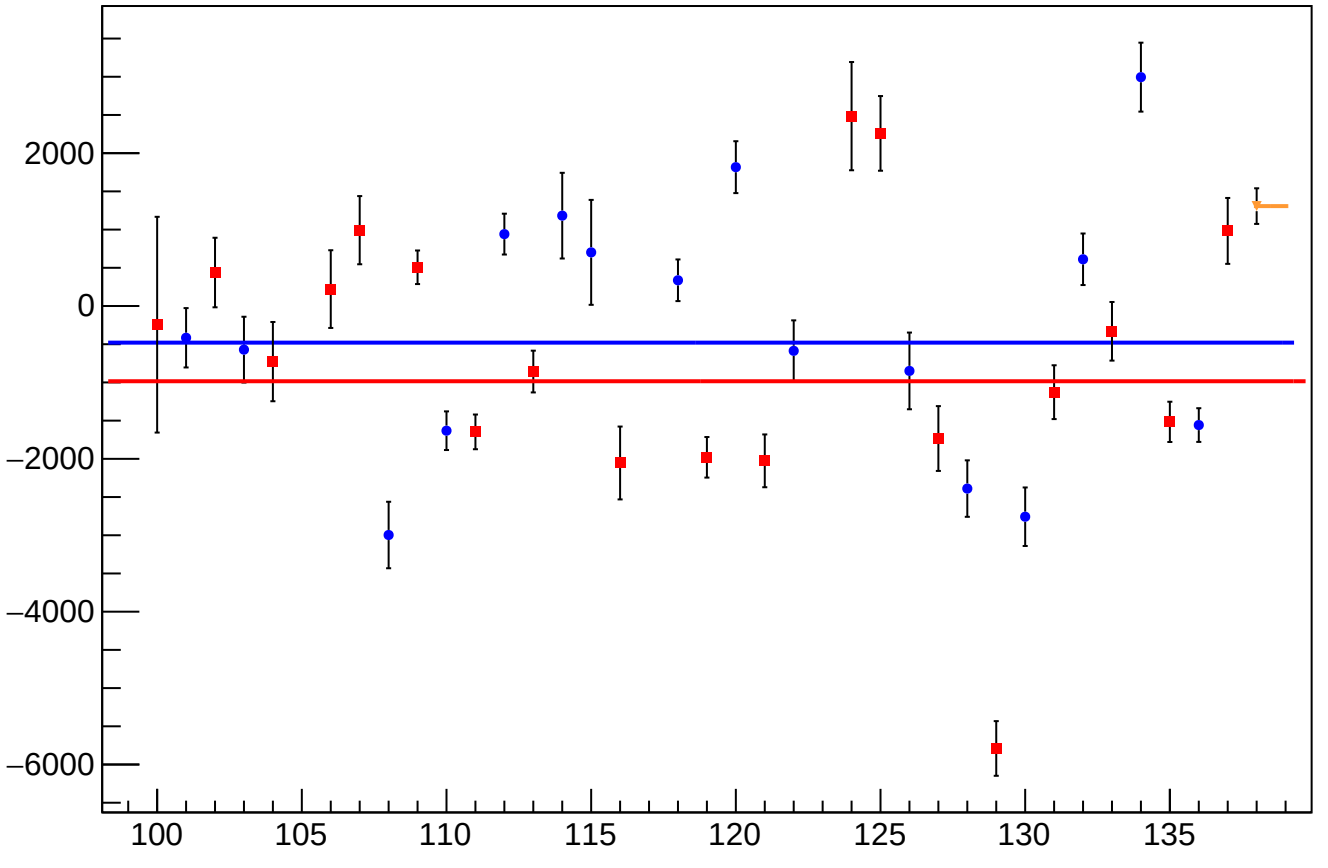
Left: 189.672+/-0.153 χ^2/NDF: 0.0/0

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 194.053+/-0.054 χ^2/NDF:965786.1/15

Out: 178.279+/-0.047 χ^2/NDF:1365459.3/19

All: 185.048+/-0.035 χ^2/NDF: 2380485.6/35



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1307.275+/-233.095 χ^2/NDF:0.0/0

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1307.275+/-233.095 χ^2/NDF: 0.0/0

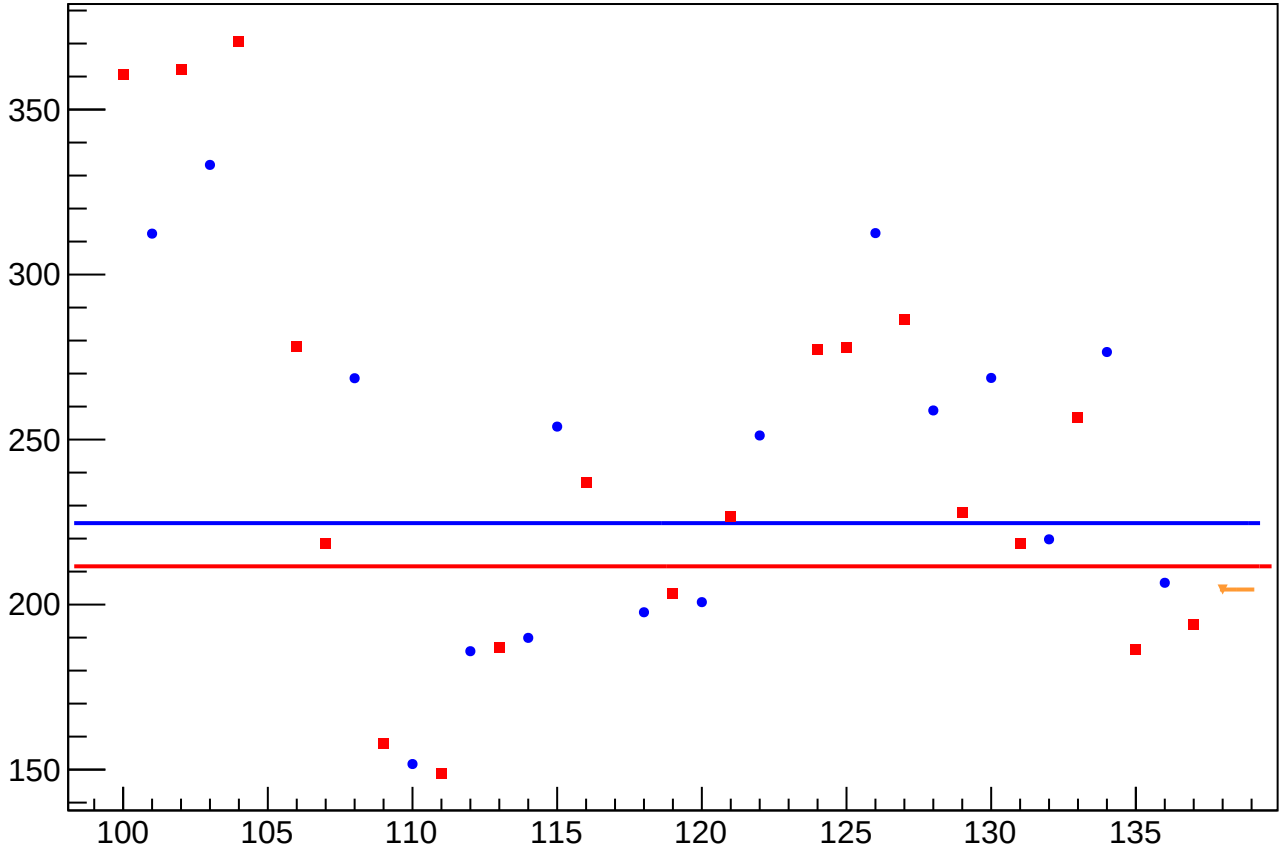
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -479.302+/-86.685 χ^2/NDF:305.4/15

Out: -737.871+/-76.466 χ^2/NDF:484.4/19

All: -624.719+/-57.344 χ^2/NDF: 794.8/35

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 204.565+/-0.165 χ^2/NDF:0.0/0

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 204.565+/-0.165 χ^2/NDF: 0.0/0

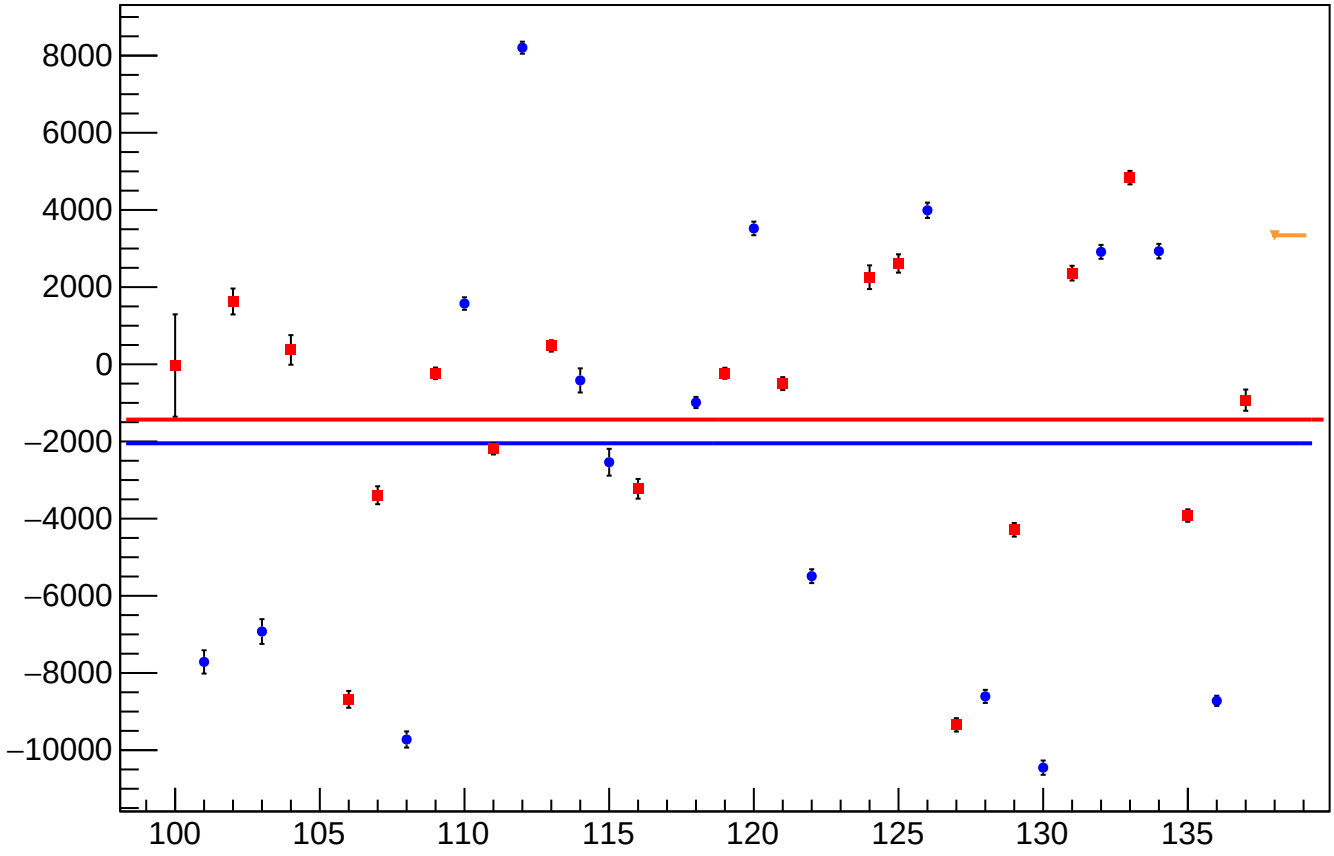
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 224.683+/-0.061 χ^2/NDF:653193.4/15

Out: 210.838+/-0.054 χ^2/NDF:934525.8/19

All: 216.897+/-0.041 χ^2/NDF: 1616408.3/35

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: 3343.195+/-127.533 χ^2/NDF:0.0/0

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3343.195+/-127.533 χ^2/NDF: 0.0/0

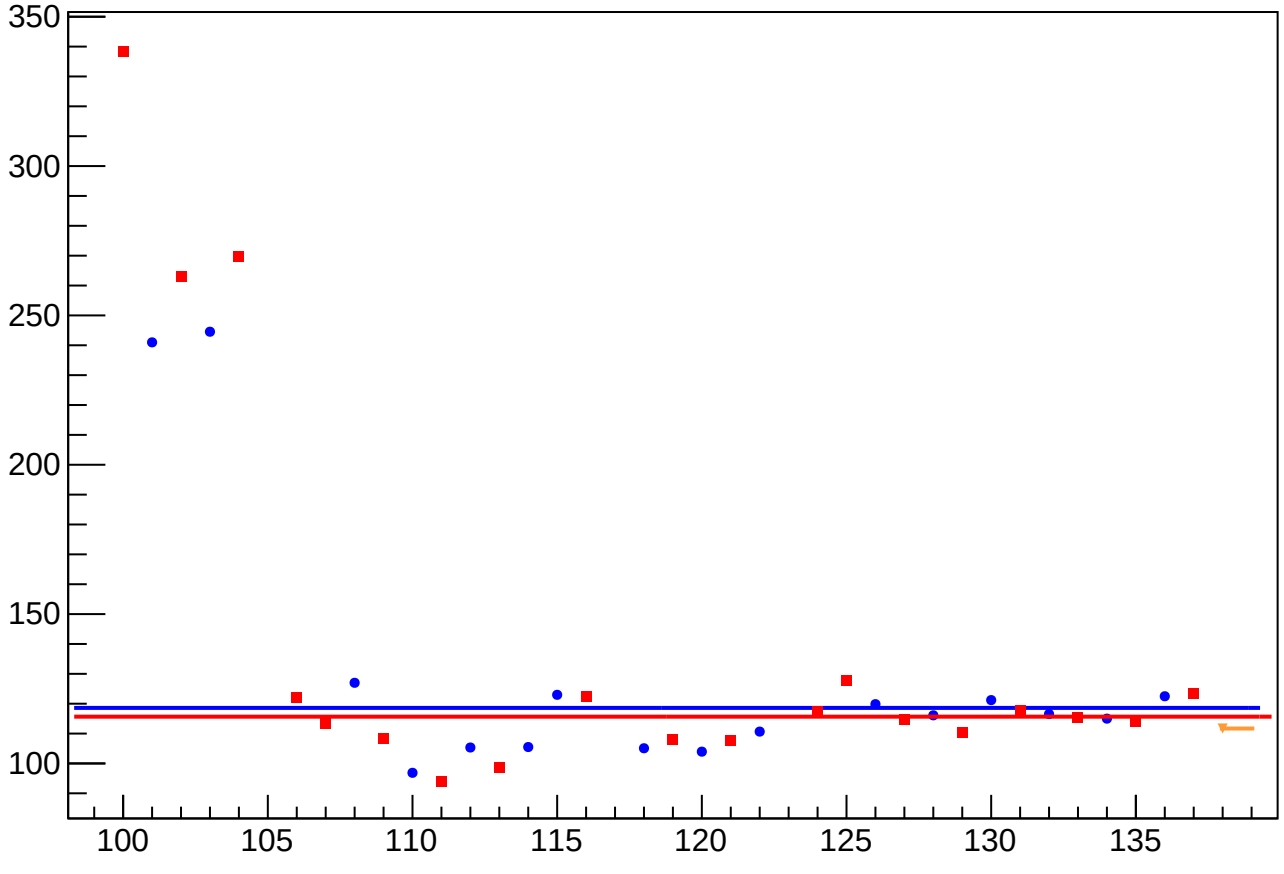
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -2047.267+/-46.722 χ^2/NDF:16709.1/15

Out: -909.762+/-42.208 χ^2/NDF:7636.6/19

All: -1420.930+/-31.320 χ^2/NDF: 24672.2/35

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.696+/-0.090 χ^2/NDF:0.0/0

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 111.696+/-0.090 χ^2/NDF: 0.0/0

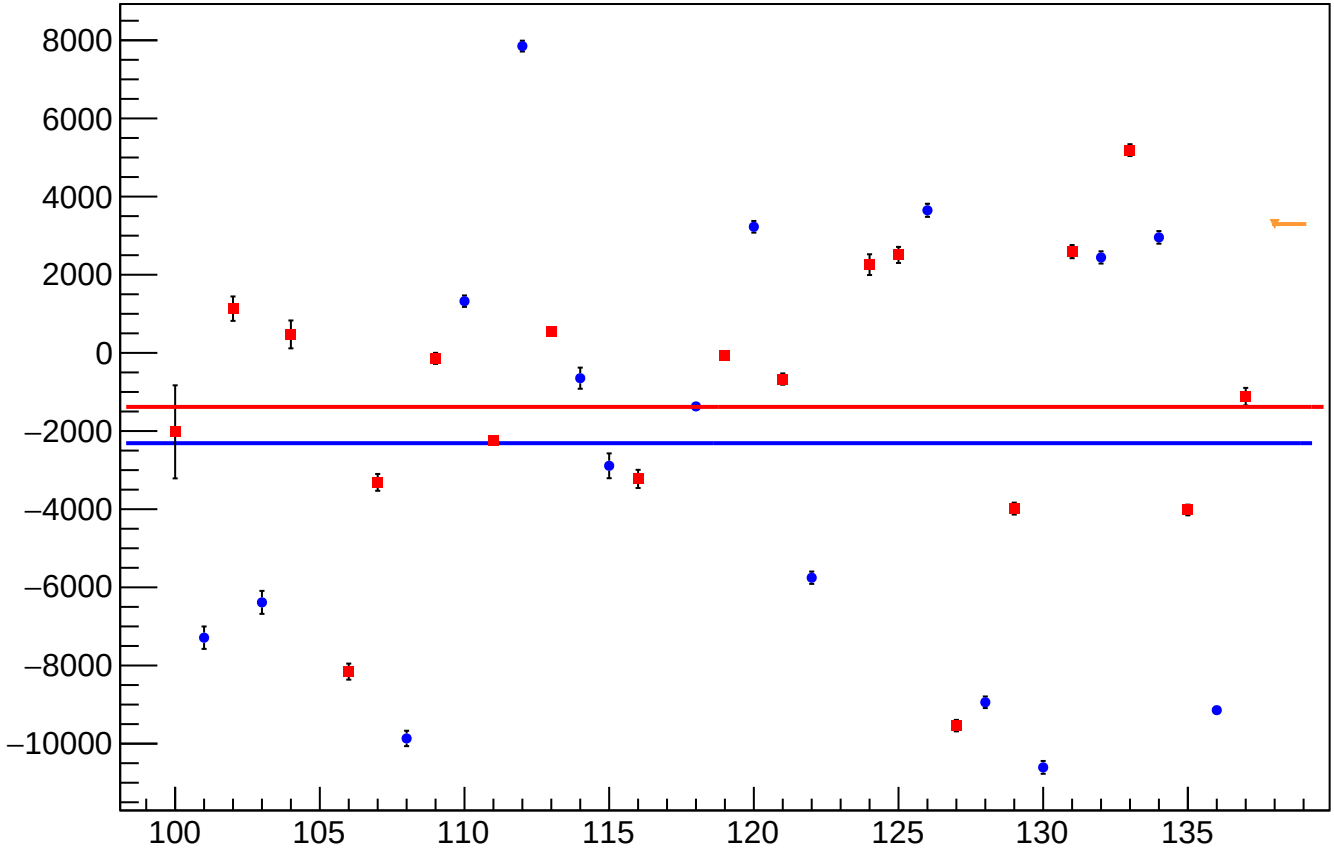
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 118.596+/-0.033 χ^2/NDF:734158.7/15

Out: 115.225+/-0.030 χ^2/NDF:865926.9/19

All: 116.740+/-0.022 χ^2/NDF: 1605816.4/35

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: 3297.528+/-117.006 χ^2/NDF:0.0/0

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3297.528+/-117.006 χ^2/NDF: 0.0/0

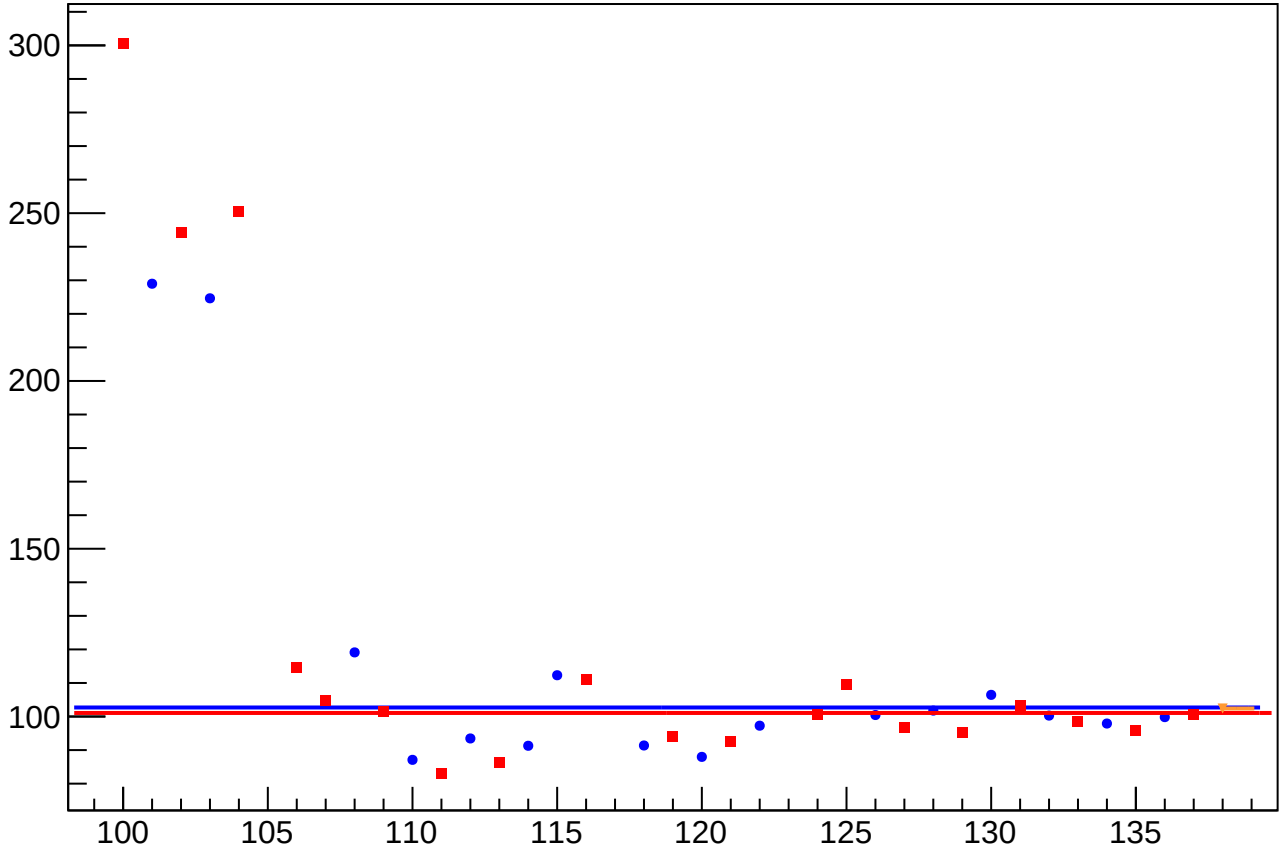
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -2310.581+/-40.734 χ^2/NDF:21679.5/15

Out: -906.850+/-37.290 χ^2/NDF:10016.0/19

All: -1546.874+/-27.505 χ^2/NDF: 32341.6/35

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 102.393+/-0.083 χ^2/NDF:0.0/0

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 102.393+/-0.083 χ^2/NDF: 0.0/0

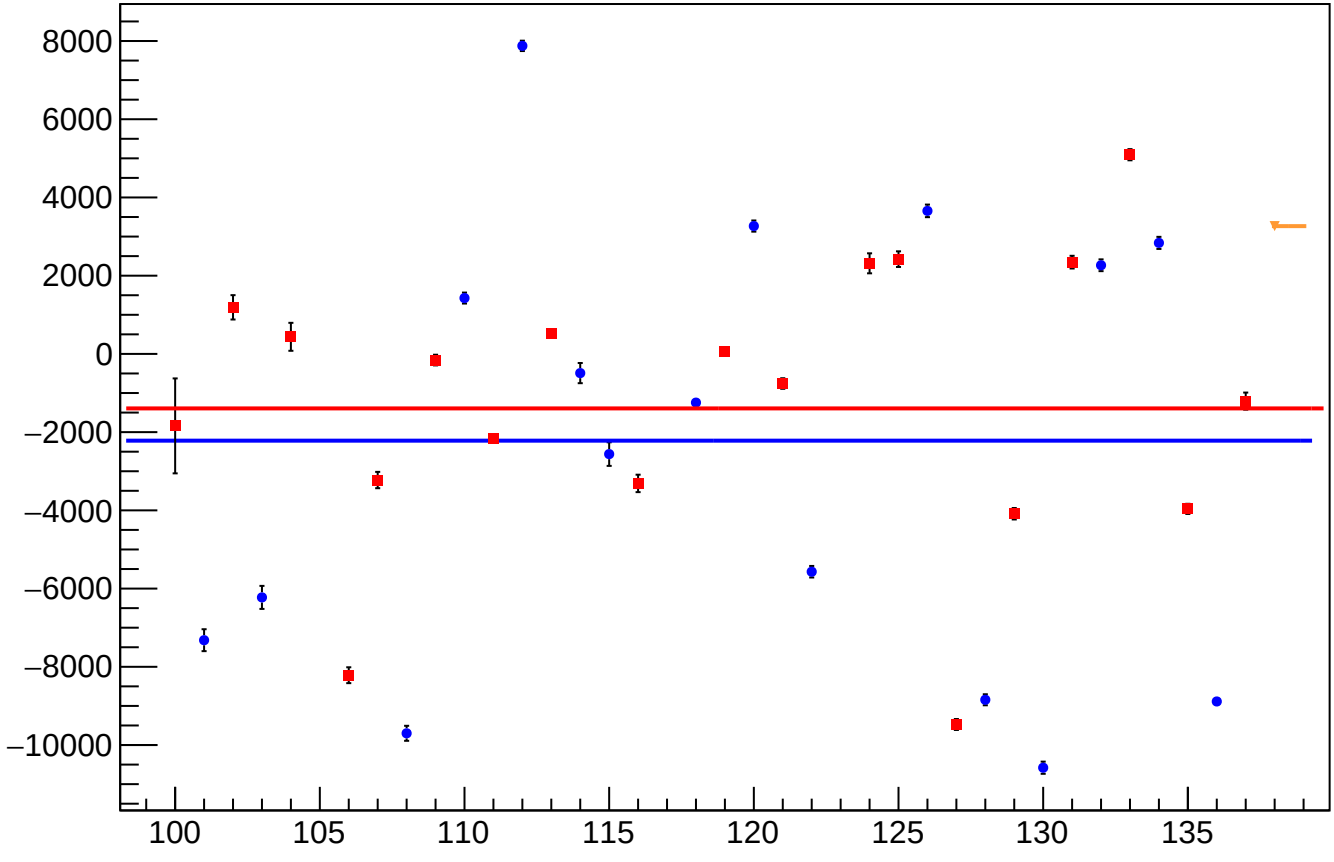
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 102.694+/-0.029 χ^2/NDF:825801.5/15

Out: 101.198+/-0.026 χ^2/NDF:930690.2/19

All: 101.880+/-0.019 χ^2/NDF: 1757958.1/35

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: 3266.892+/-112.603 χ^2/NDF:0.0/0

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3266.892+/-112.603 χ^2/NDF: 0.0/0

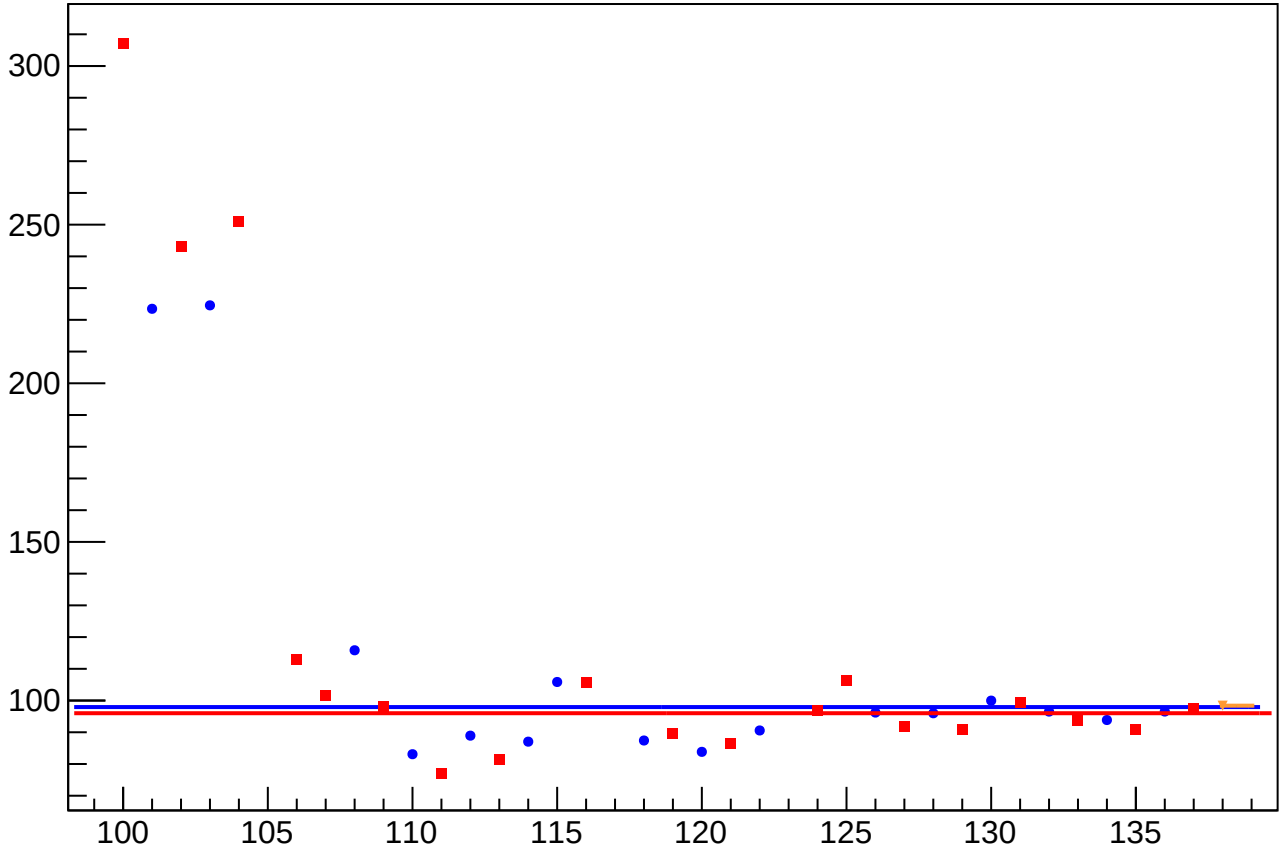
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -2218.049+/-39.039 χ^2/NDF:23040.7/15

Out: -926.495+/-35.647 χ^2/NDF:10693.4/19

All: -1513.737+/-26.324 χ^2/NDF: 34331.0/35

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 98.386+/-0.080 χ^2/NDF:0.0/0

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 98.386+/-0.080 χ^2/NDF: 0.0/0

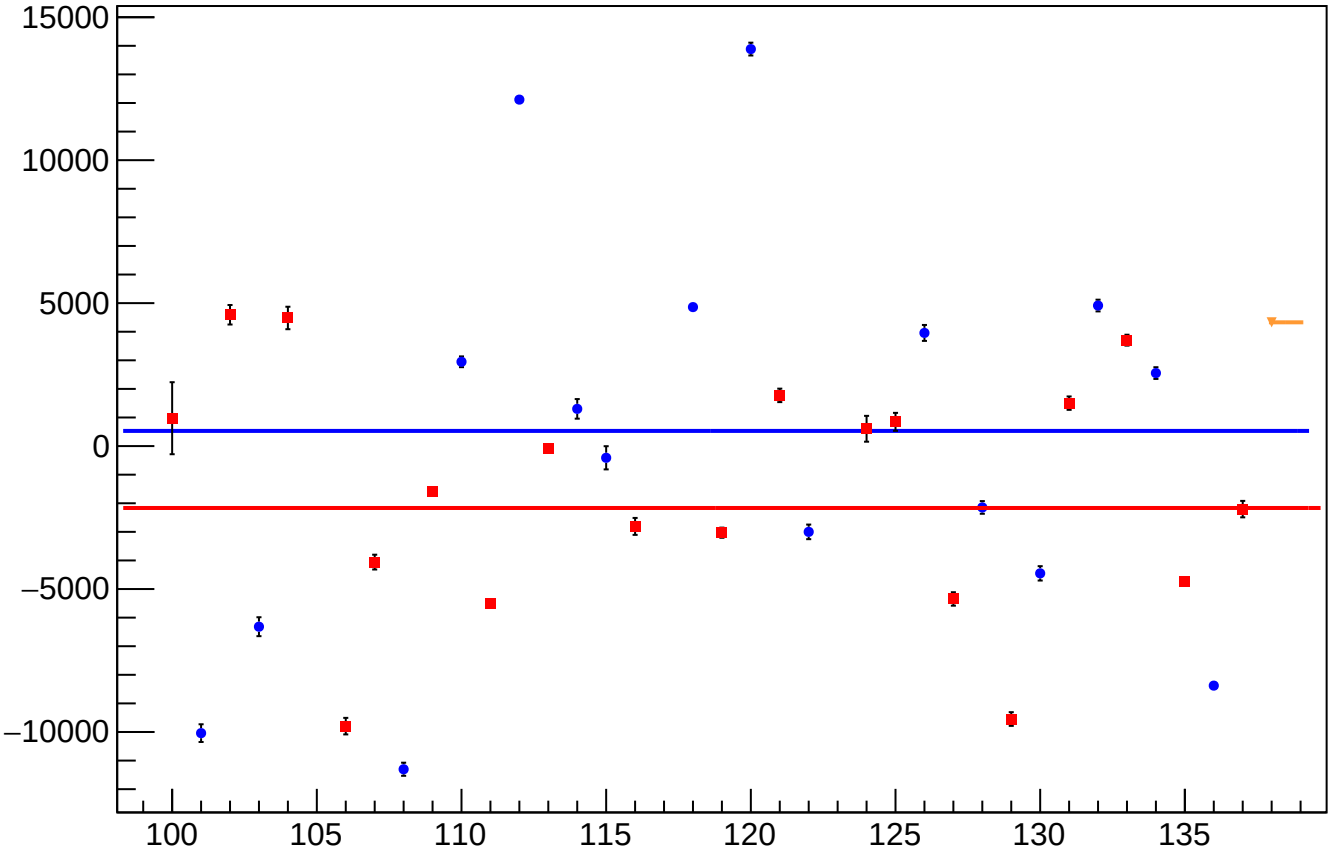
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 97.944+/-0.028 χ^2/NDF:868148.4/15

Out: 96.243+/-0.025 χ^2/NDF:1013091.7/19

All: 97.016+/-0.019 χ^2/NDF: 1883308.9/35

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: 4328.796+/-155.934 χ^2/NDF:0.0/0

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4328.796+/-155.934 χ^2/NDF: 0.0/0

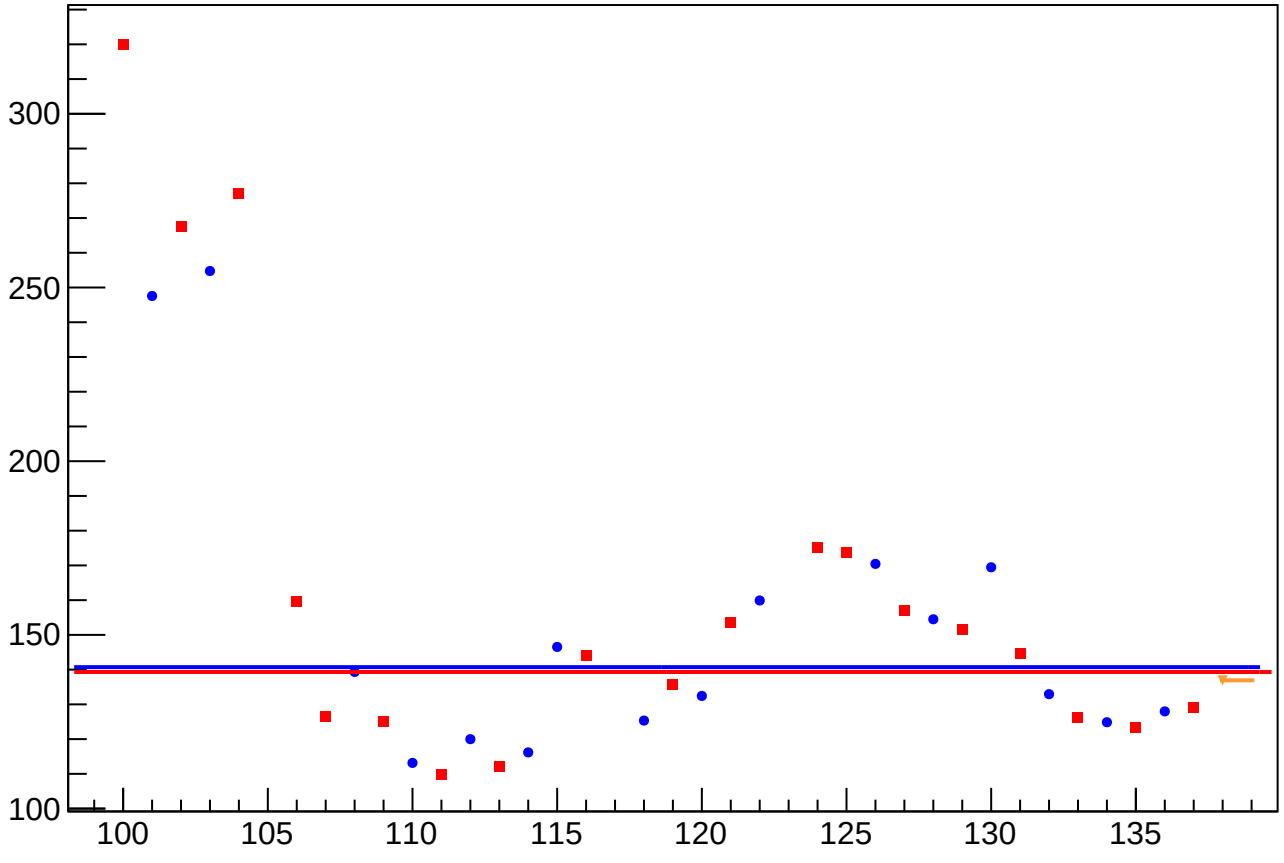
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: 530.568+/-54.855 χ^2/NDF:18587.6/15

Out: -1482.047+/-50.569 χ^2/NDF:6519.0/19

All: -557.423+/-37.181 χ^2/NDF: 25834.3/35

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 136.920+/-0.110 χ^2/NDF:0.0/0

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 136.920+/-0.110 χ^2/NDF: 0.0/0

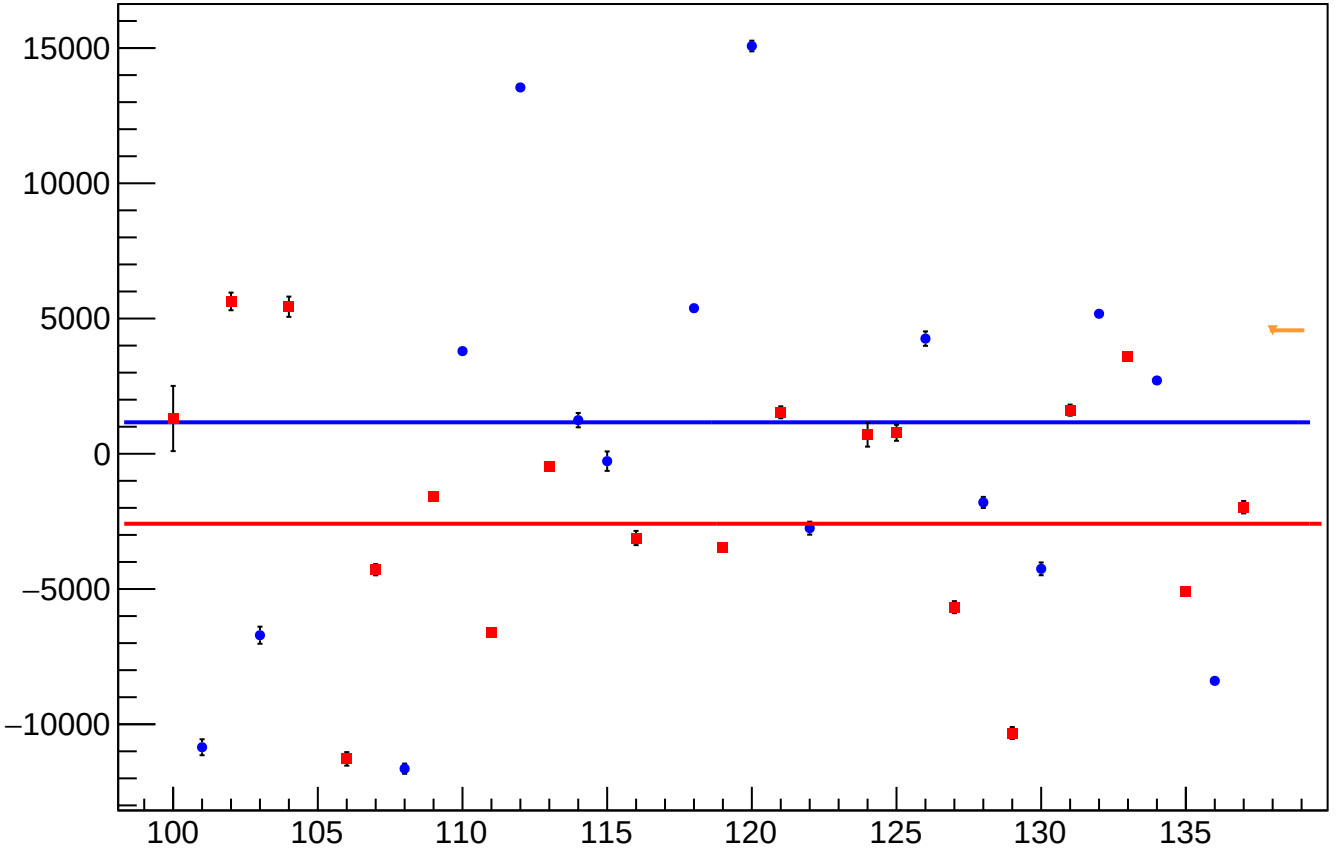
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 140.715+/-0.039 χ^2/NDF:675618.7/15

Out: 139.065+/-0.036 χ^2/NDF:802739.8/19

All: 139.823+/-0.026 χ^2/NDF: 1479336.9/35

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: 4564.215+/-134.438 χ^2/NDF:0.0/0

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4564.215+/-134.438 χ^2/NDF: 0.0/0

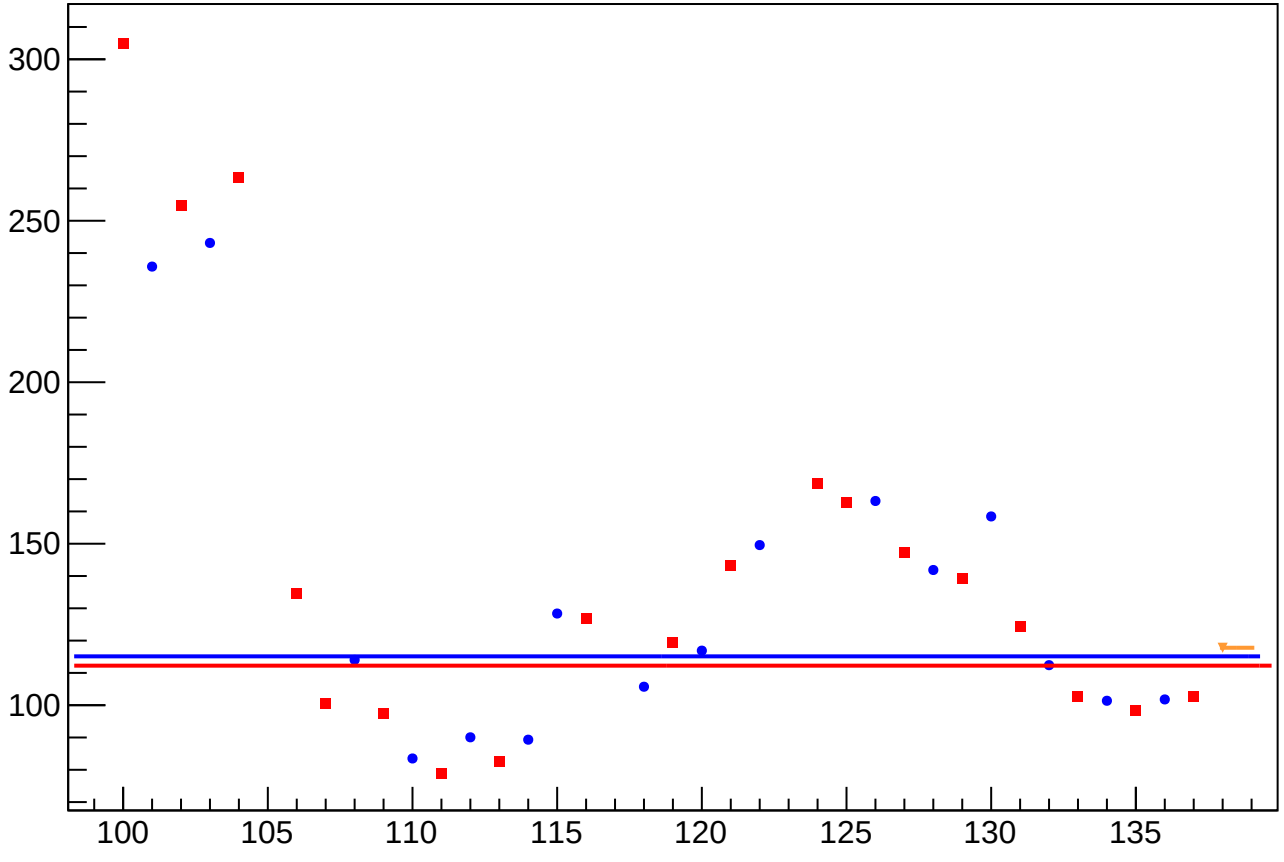
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: 1162.980+/-45.930 χ^2/NDF:30754.3/15

Out: -1887.574+/-42.037 χ^2/NDF:10652.4/19

All: -497.034+/-31.010 χ^2/NDF: 43807.2/35

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 117.788+/-0.095 χ^2/NDF:0.0/0

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 117.788+/-0.095 χ^2/NDF: 0.0/0

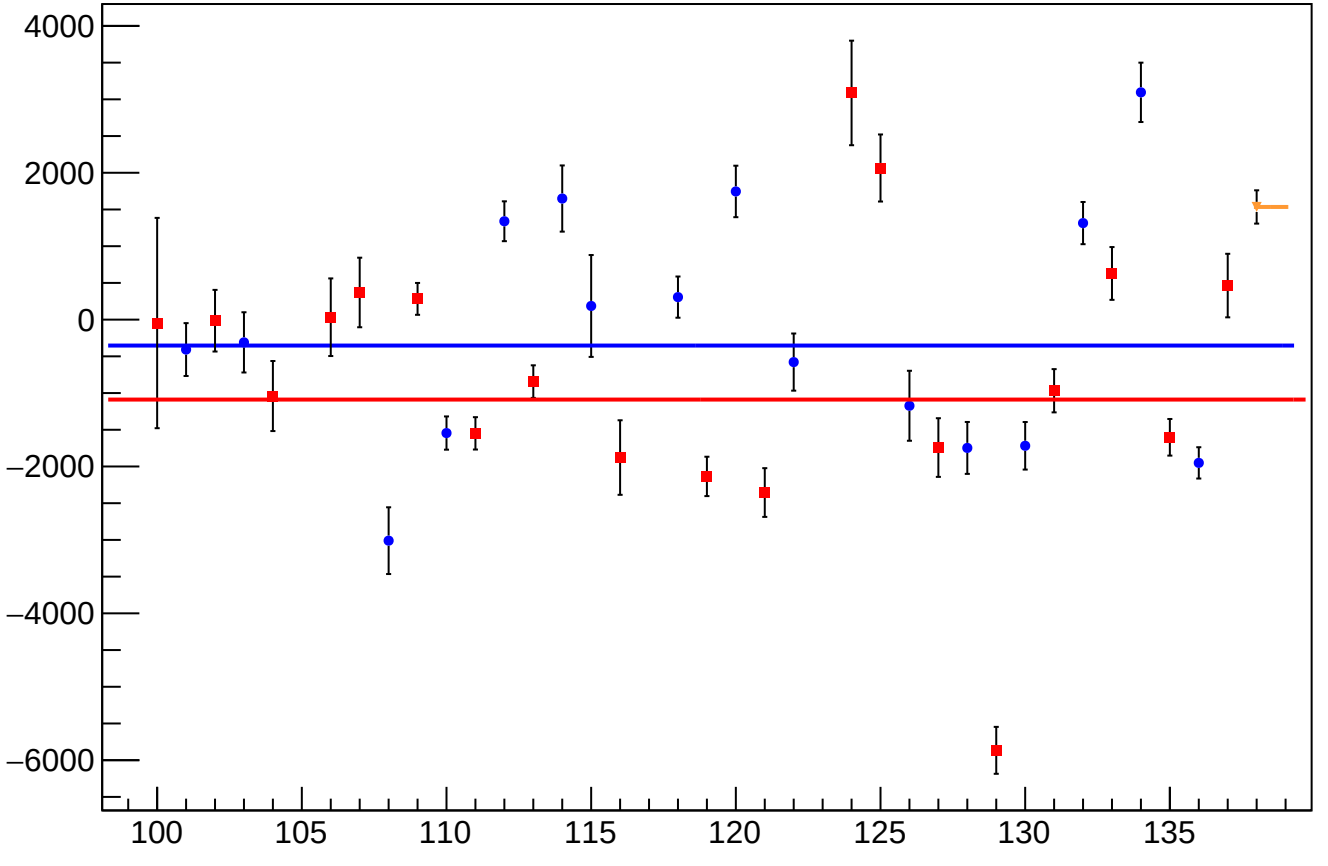
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 115.125+/-0.032 χ^2/NDF:1112987.2/15

Out: 112.784+/-0.030 χ^2/NDF:1331228.2/19

All: 113.851+/-0.022 χ^2/NDF: 2447044.9/35

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1534.399+/-226.787 χ^2/NDF:0.0/0

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1534.399+/-226.787 χ^2/NDF: 0.0/0

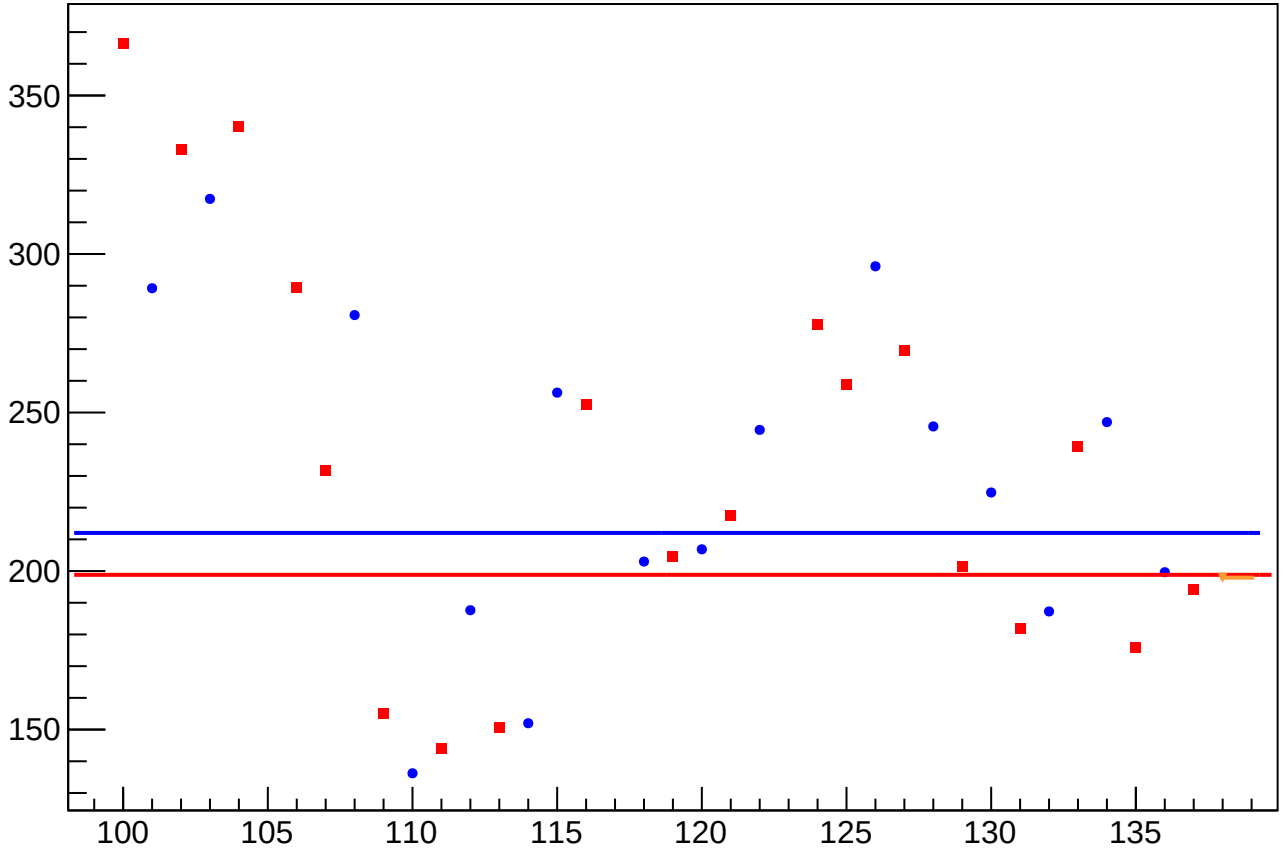
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -353.129+/-82.136 χ^2/NDF:361.8/15

Out: -821.121+/-72.439 χ^2/NDF:567.3/19

All: -616.367+/-54.329 χ^2/NDF: 947.4/35

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 197.920+/-0.160 χ^2/NDF:0.0/0

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 197.920+/-0.160 χ^2/NDF: 0.0/0

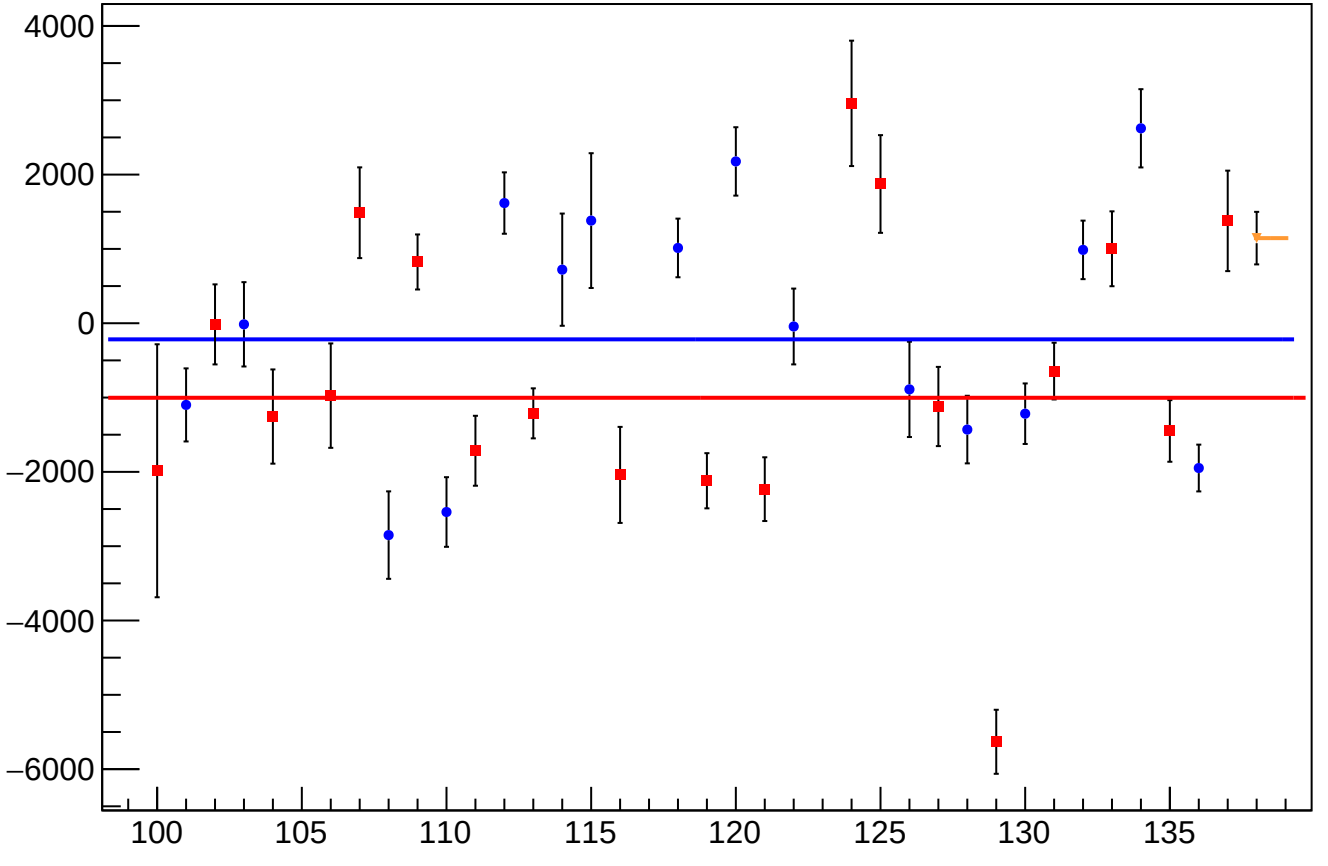
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 212.027+/-0.058 χ^2/NDF:690358.0/15

Out: 198.719+/-0.051 χ^2/NDF:974956.0/19

All: 204.541+/-0.038 χ^2/NDF: 1694850.1/35

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1145.113+/-353.562 χ^2/NDF:0.0/0

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1145.113+/-353.562 χ^2/NDF: 0.0/0

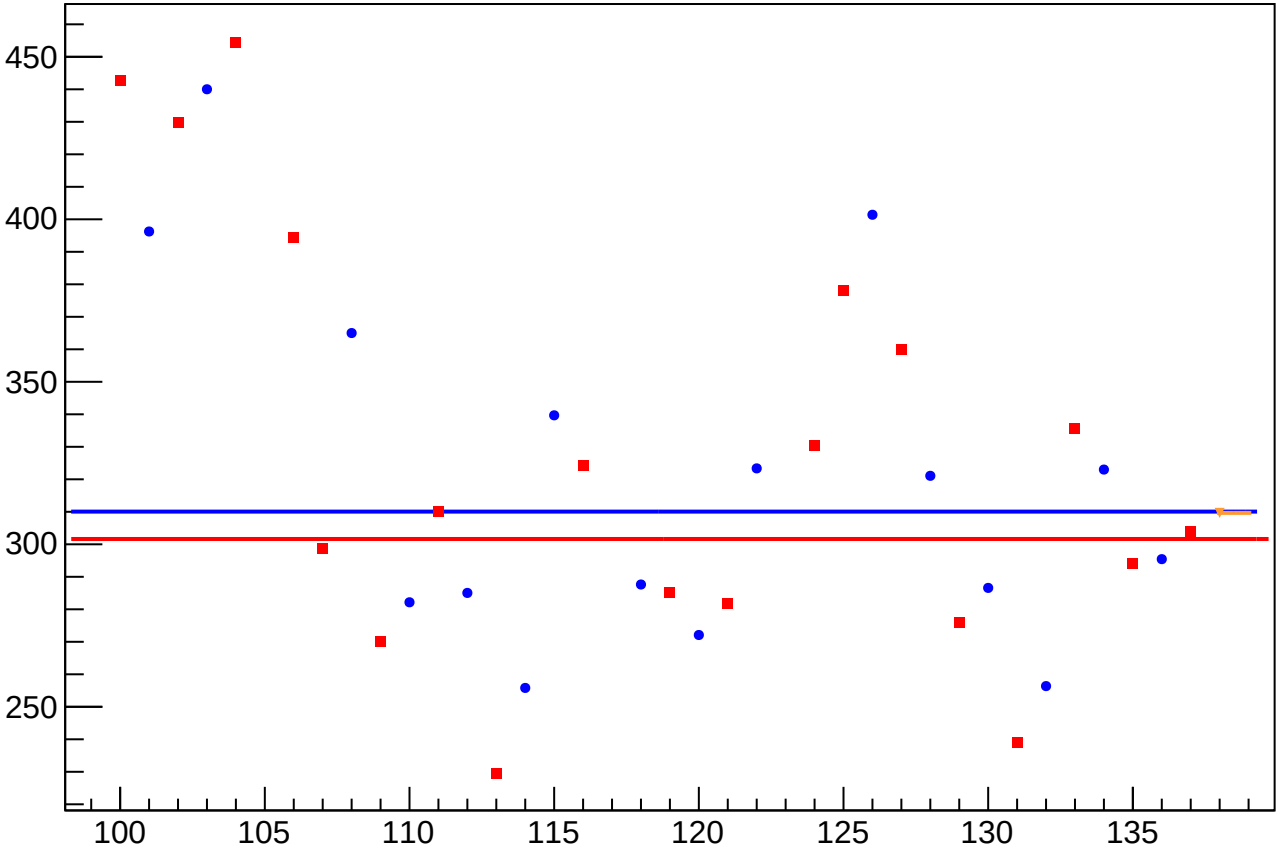
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -216.948+/-117.887 χ^2/NDF:192.2/15

Out: -803.603+/-107.732 χ^2/NDF:287.8/19

All: -536.628+/-79.526 χ^2/NDF: 493.5/35

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 309.667+/-0.250 χ^2/NDF:0.0/0

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 309.667+/-0.250 χ^2/NDF: 0.0/0

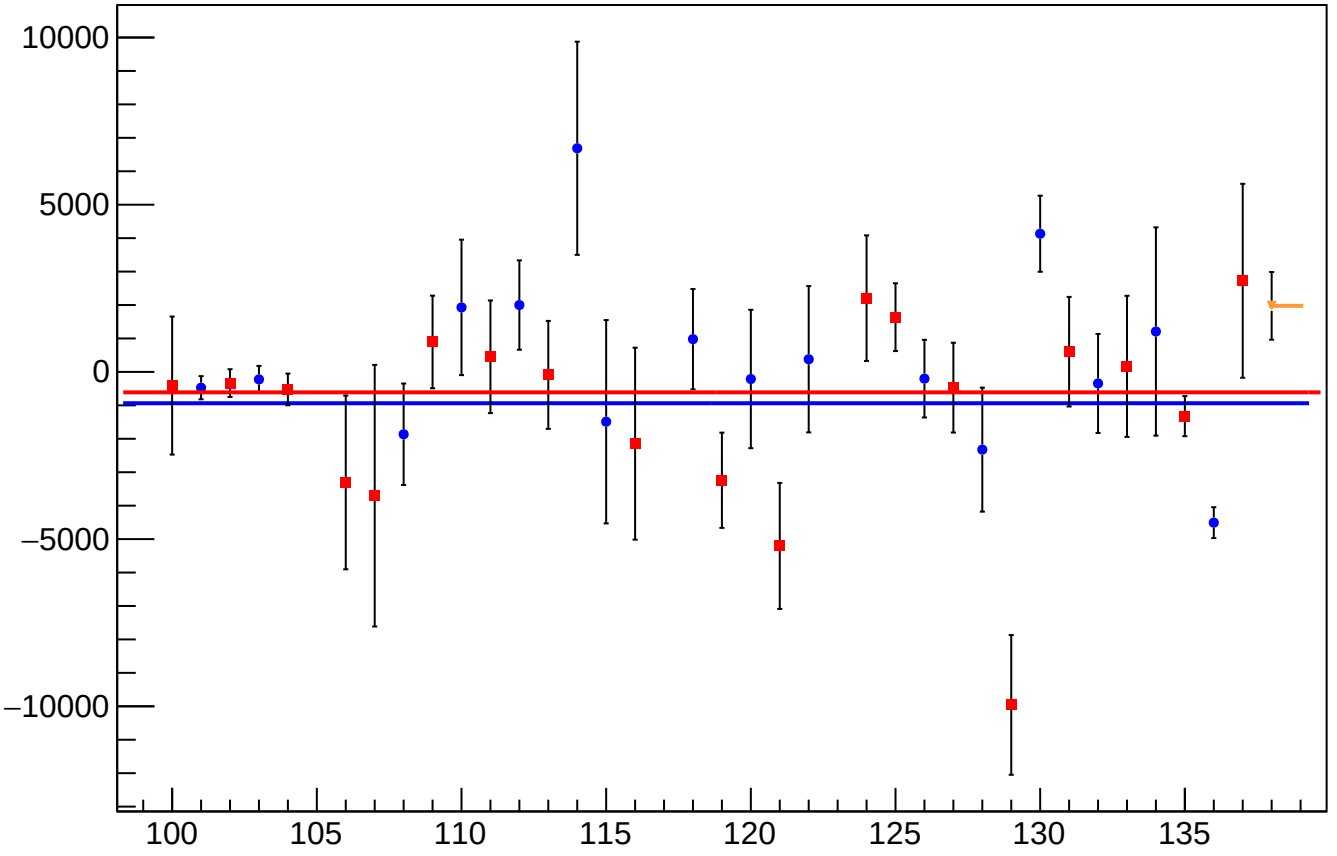
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 310.062+/-0.083 χ^2/NDF:323283.5/15

Out: 302.383+/-0.076 χ^2/NDF:520824.8/19

All: 305.877+/-0.056 χ^2/NDF: 848732.9/35

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1975.430+/-1012.250 χ^2/NDF:0.0/0

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1975.430+/-1012.250 χ^2/NDF: 0.0/0

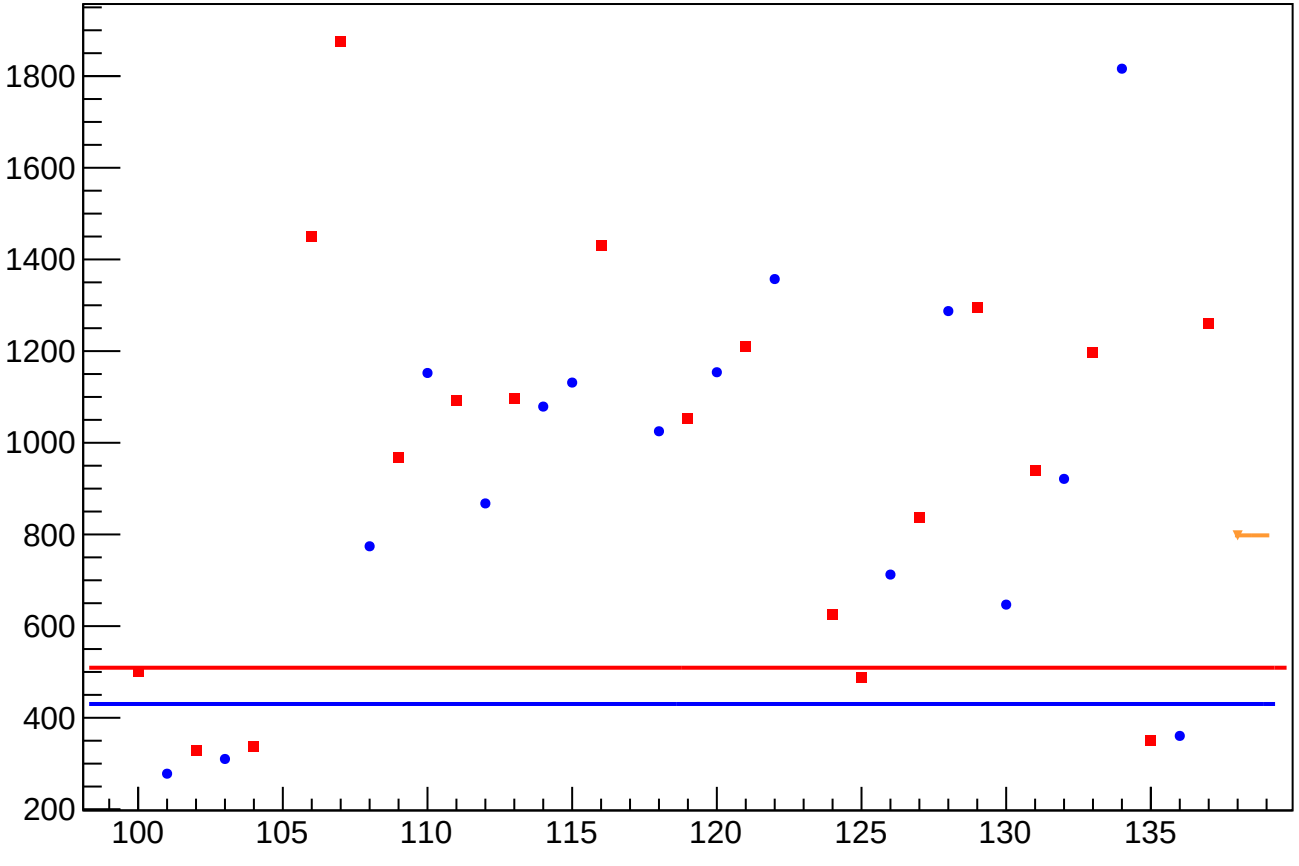
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -936.949+/-204.717 χ^2/NDF:101.2/15

Out: -481.340+/-227.196 χ^2/NDF:50.3/19

All: -732.793+/-152.085 χ^2/NDF: 153.7/35

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 798.012+/-0.716 χ^2/NDF:0.0/0

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 798.012+/-0.716 χ^2/NDF: 0.0/0

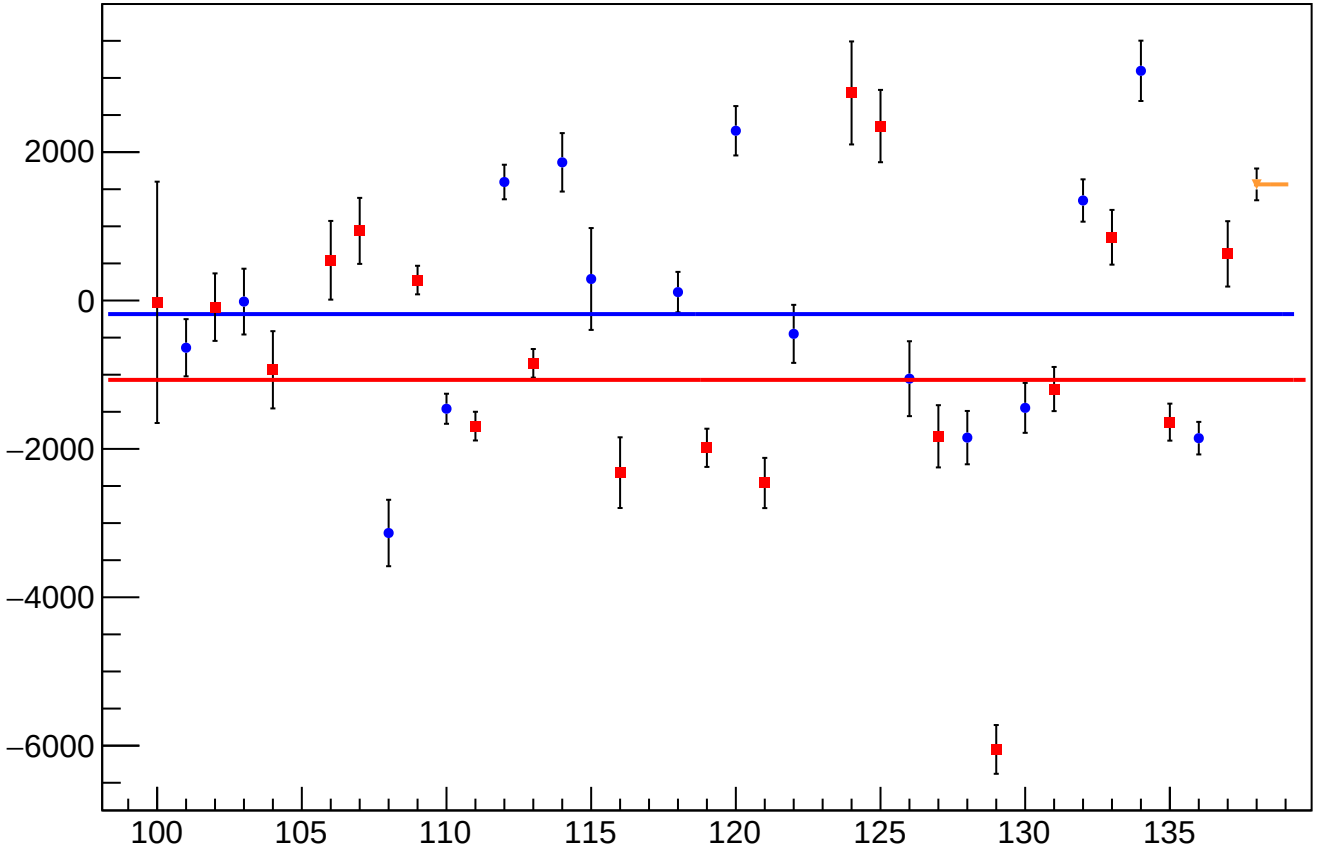
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 430.110+/-0.145 χ^2/NDF:3521861.8/15

Out: 523.783+/-0.161 χ^2/NDF:3827997.1/19

All: 472.085+/-0.108 χ^2/NDF: 7537497.4/35

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1565.302+/-214.110 χ^2/NDF:0.0/0

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1565.302+/-214.110 χ^2/NDF: 0.0/0

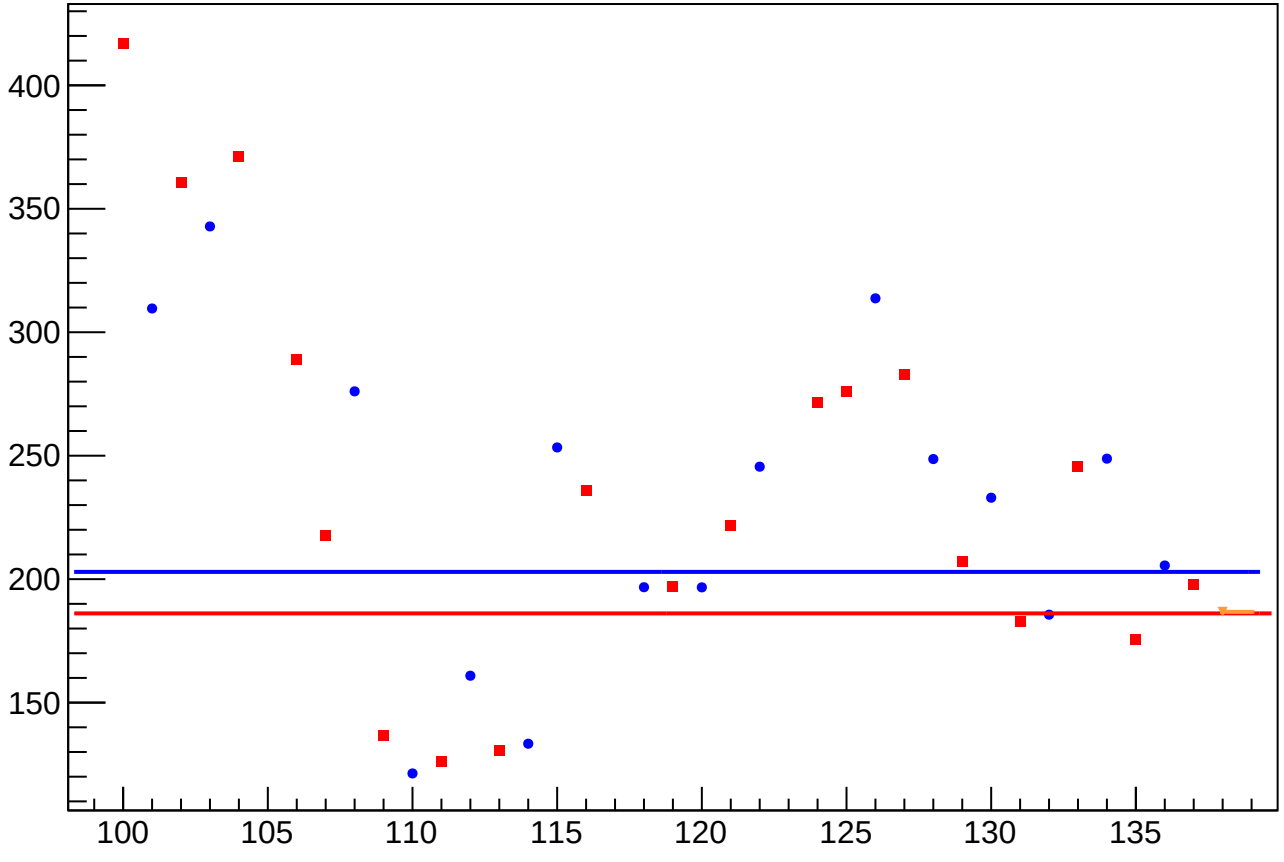
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -183.020+/-79.863 χ^2/NDF:417.7/15

Out: -794.913+/-69.146 χ^2/NDF:627.9/19

All: -532.750+/-52.275 χ^2/NDF: 1079.2/35

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 186.757+/-0.151 χ^2/NDF:0.0/0

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 186.757+/-0.151 χ^2/NDF: 0.0/0

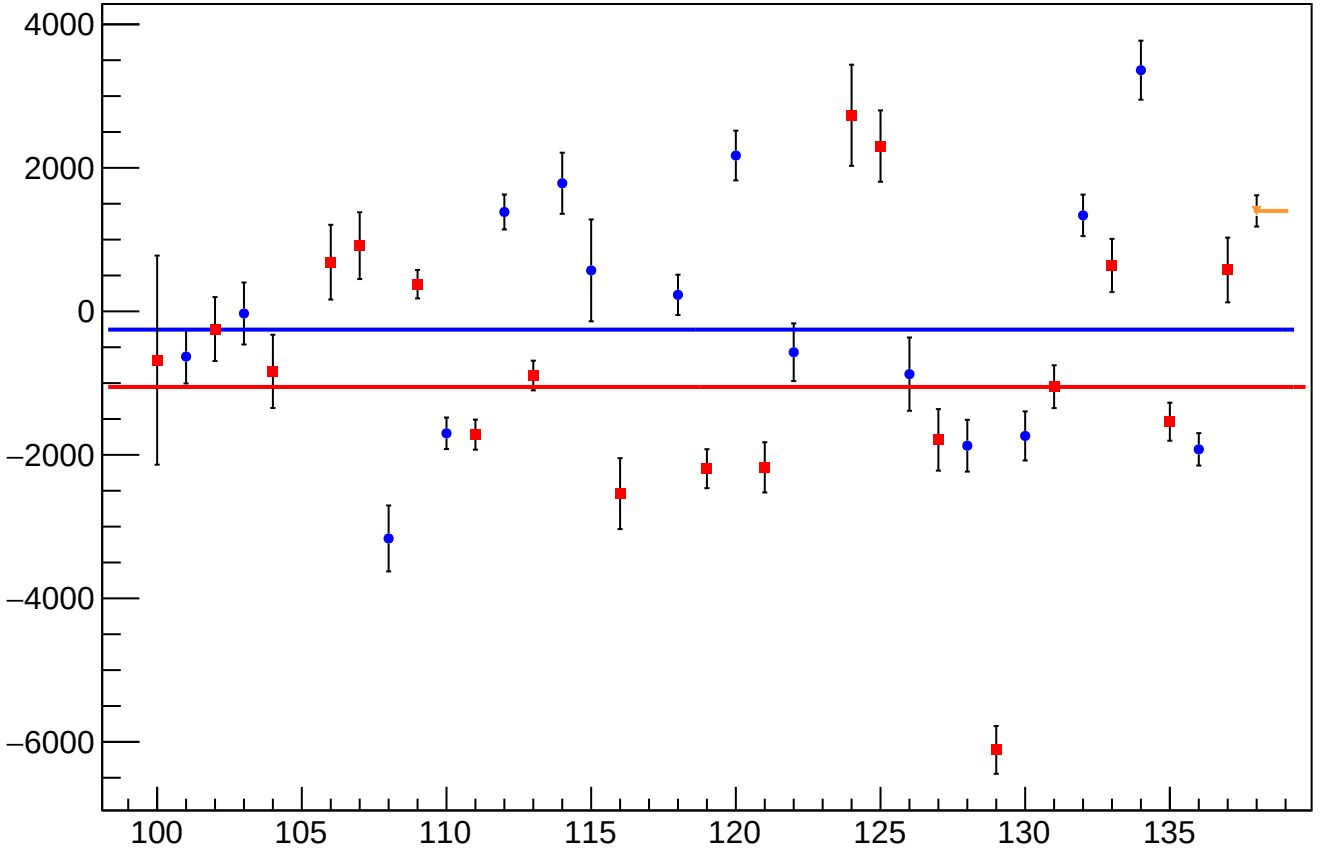
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 202.941+/-0.056 χ^2/NDF:1071859.2/15

Out: 186.194+/-0.049 χ^2/NDF:1481679.8/19

All: 193.370+/-0.037 χ^2/NDF: 2603803.3/35

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1399.735+/-218.073 χ^2/NDF:0.0/0

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1399.735+/-218.073 χ^2/NDF: 0.0/0

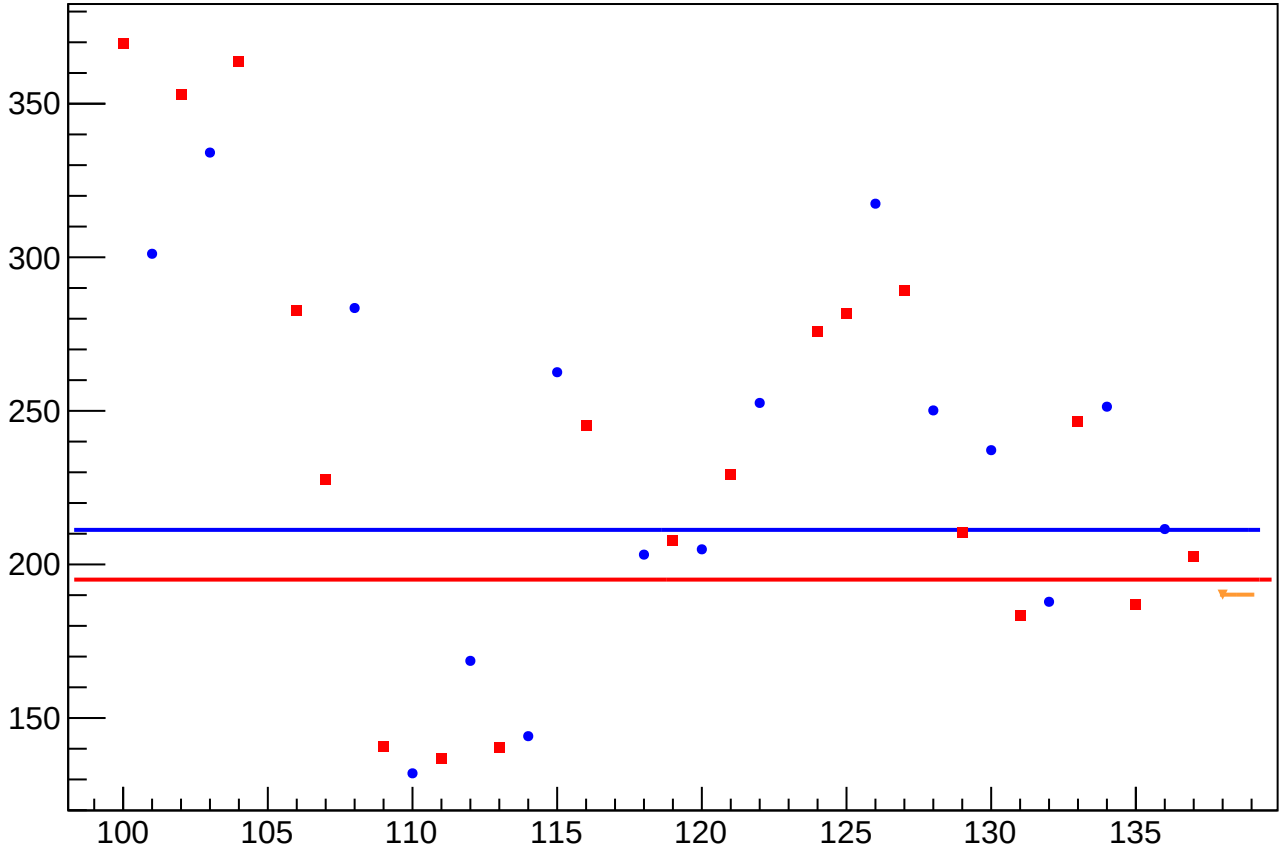
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -254.470+/-82.490 χ^2/NDF:409.3/15

Out: -788.204+/-71.741 χ^2/NDF:590.5/19

All: -558.355+/-54.133 χ^2/NDF: 1023.7/35

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 190.164+/-0.154 χ^2/NDF:0.0/0

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 190.164+/-0.154 χ^2/NDF: 0.0/0

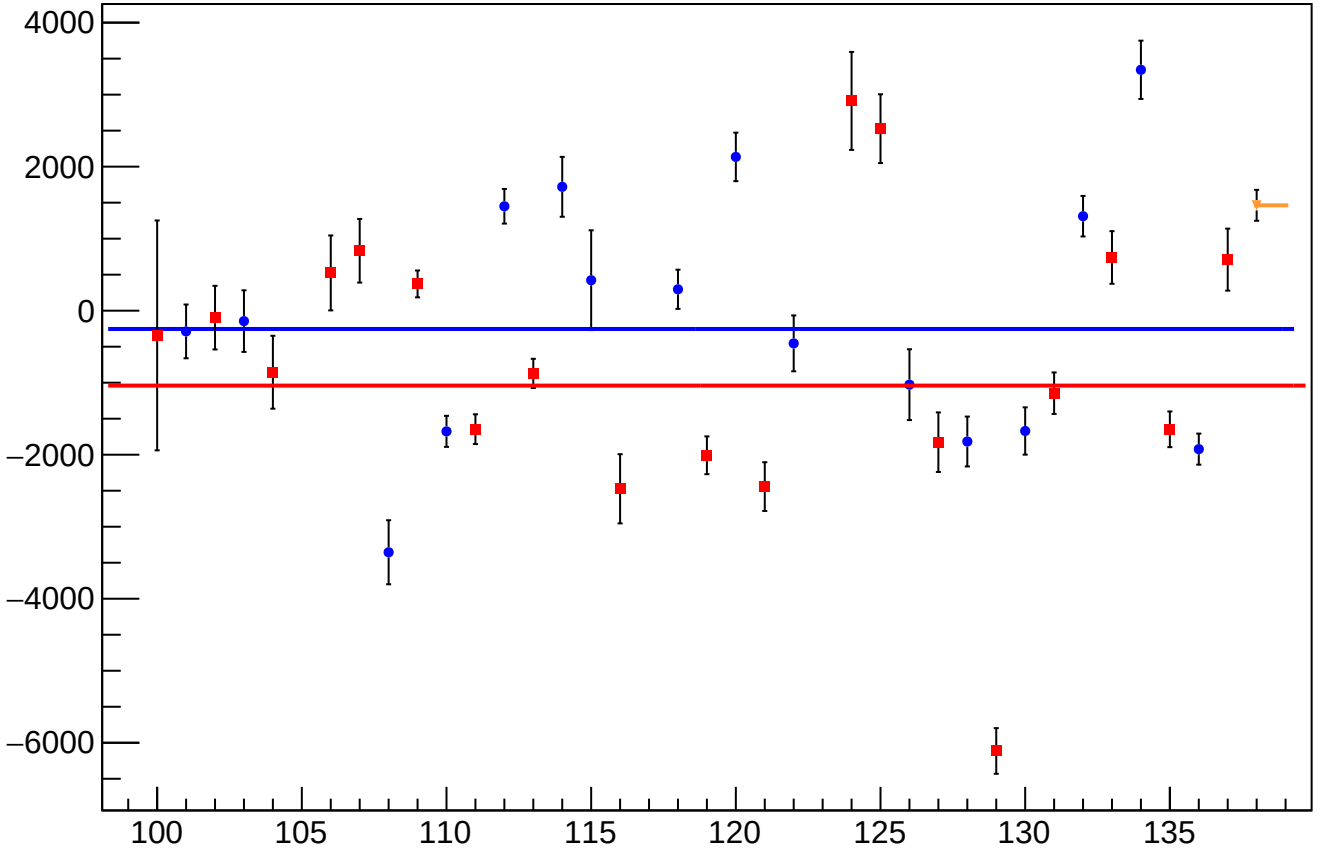
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 211.254+/-0.058 χ^2/NDF:884363.6/15

Out: 194.531+/-0.051 χ^2/NDF:1285779.5/19

All: 201.732+/-0.038 χ^2/NDF: 2216939.7/35

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1463.187+/-214.821 χ^2/NDF:0.0/0

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1463.187+/-214.821 χ^2/NDF: 0.0/0

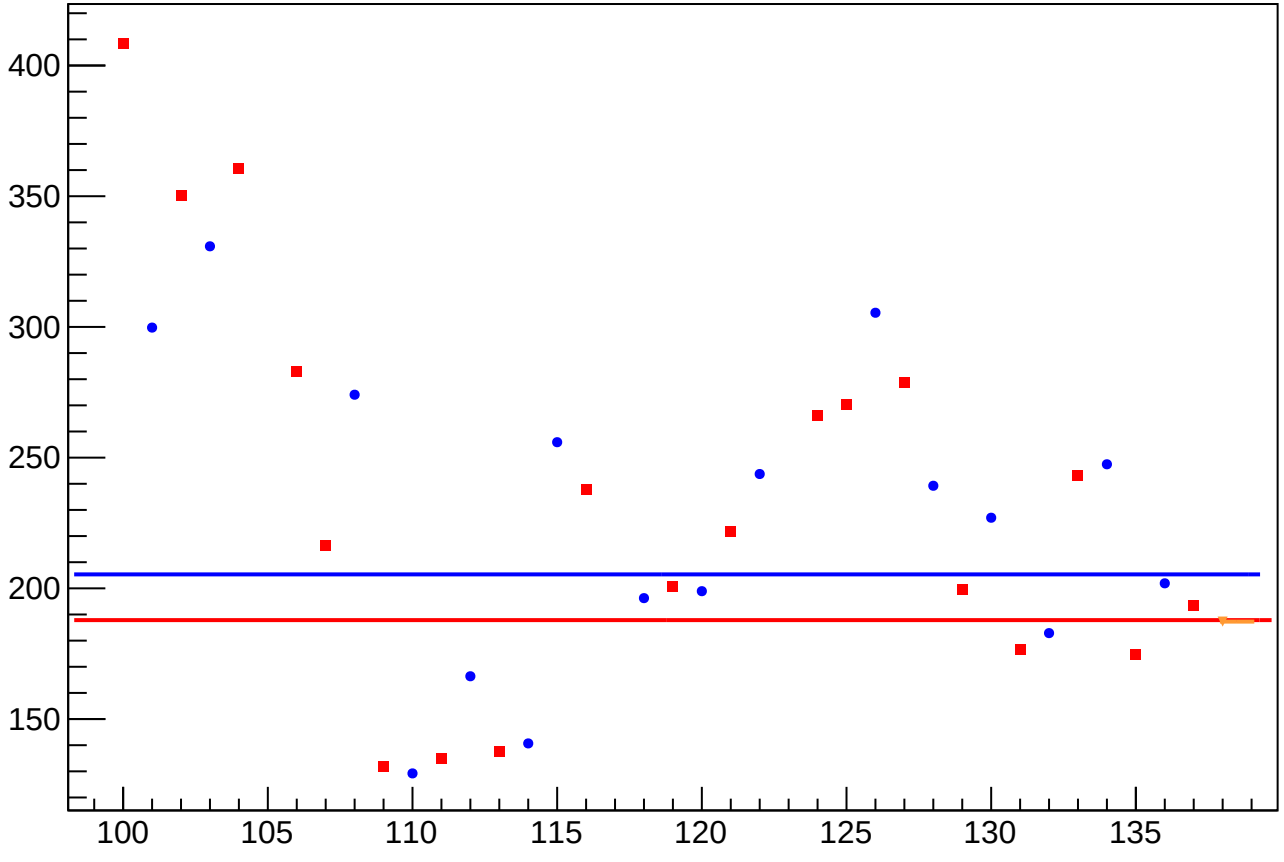
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -254.044+/-80.222 χ^2/NDF:432.1/15

Out: -778.874+/-69.426 χ^2/NDF:655.0/19

All: -554.127+/-52.497 χ^2/NDF: 1111.6/35

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 187.279+/-0.152 χ^2/NDF:0.0/0

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 187.279+/-0.152 χ^2/NDF: 0.0/0

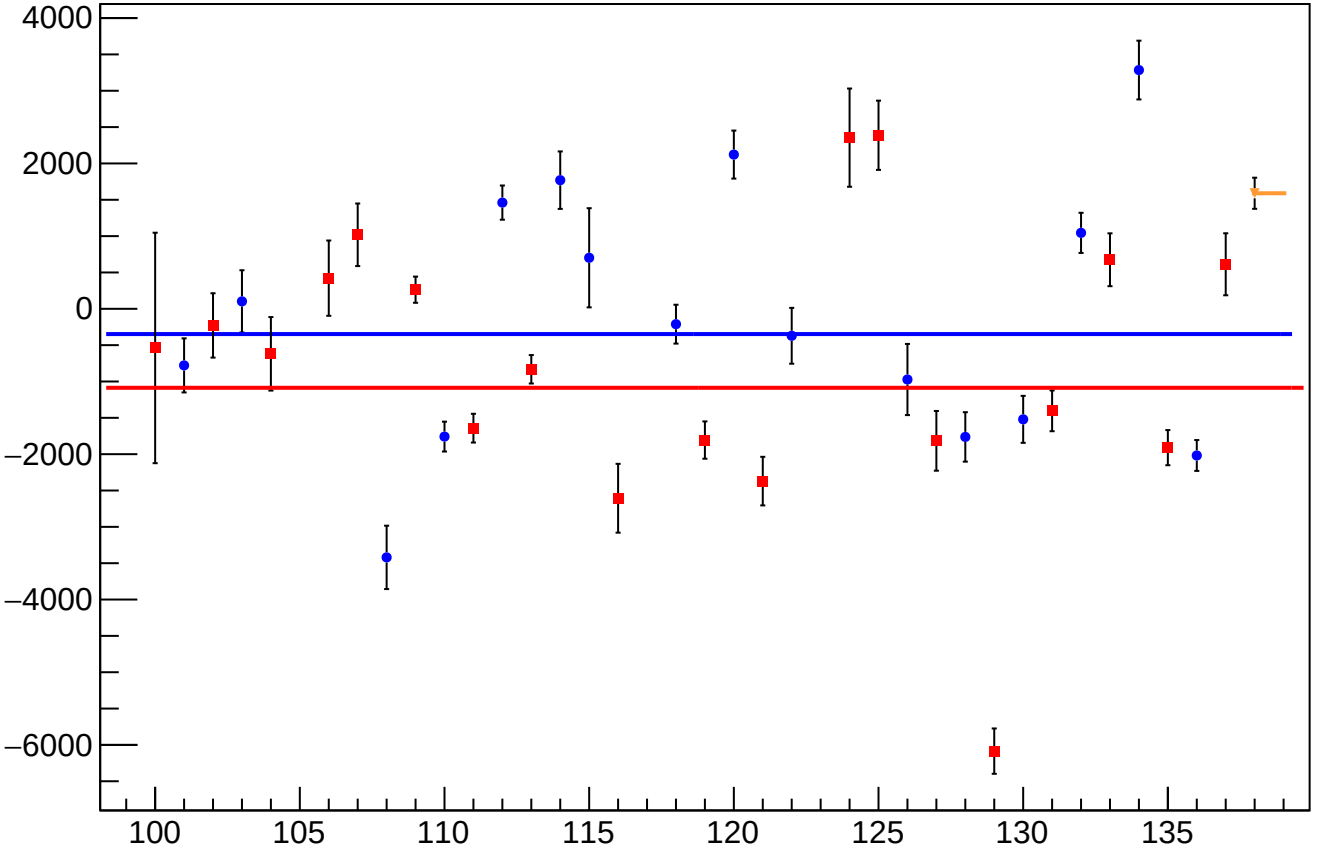
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 205.341+/-0.057 χ^2/NDF:877398.6/15

Out: 187.789+/-0.049 χ^2/NDF:1337062.0/19

All: 195.305+/-0.037 χ^2/NDF: 2269204.5/35

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1589.704+/-214.062 χ^2/NDF:0.0/0

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1589.704+/-214.062 χ^2/NDF: 0.0/0

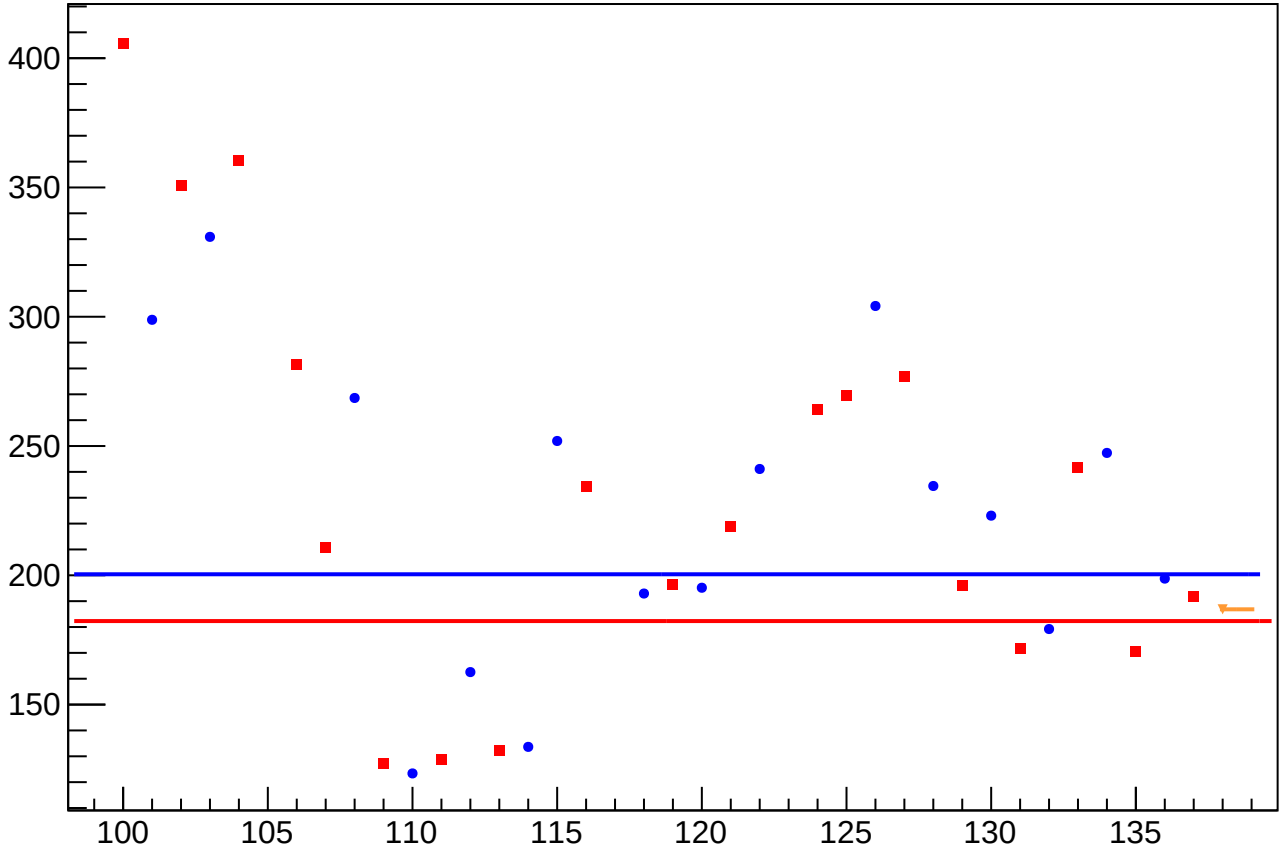
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -347.666+/-78.567 χ^2/NDF:445.8/15

Out: -817.754+/-67.850 χ^2/NDF:667.8/19

All: -616.934+/-51.352 χ^2/NDF: 1134.1/35

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 186.846+/-0.151 χ^2/NDF:0.0/0

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 186.846+/-0.151 χ^2/NDF: 0.0/0

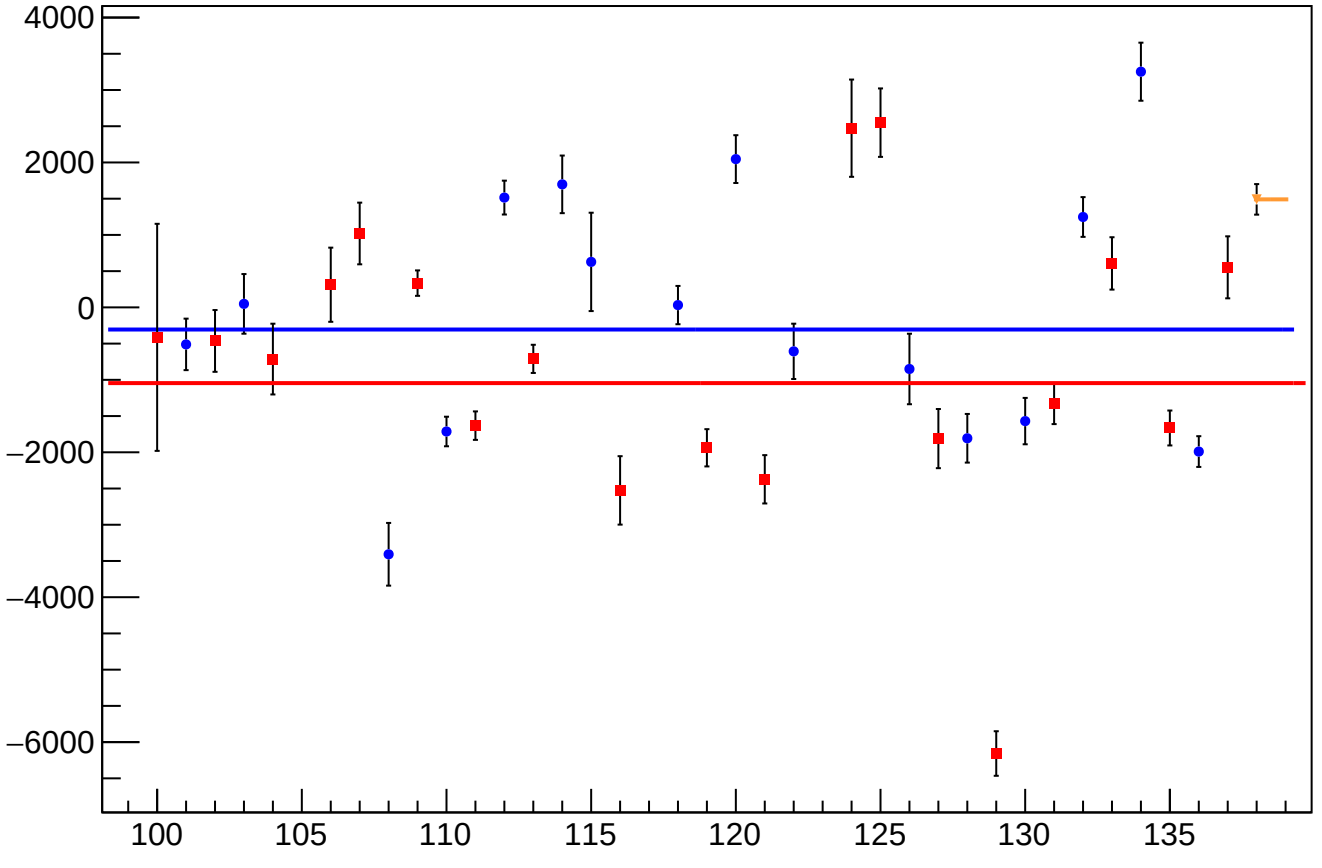
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 200.399+/-0.056 χ^2/NDF:959000.8/15

Out: 182.758+/-0.048 χ^2/NDF:1448007.9/19

All: 190.294+/-0.036 χ^2/NDF: 2464762.5/35

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1490.582+/-210.858 χ^2/NDF:0.0/0

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1490.582+/-210.858 χ^2/NDF: 0.0/0

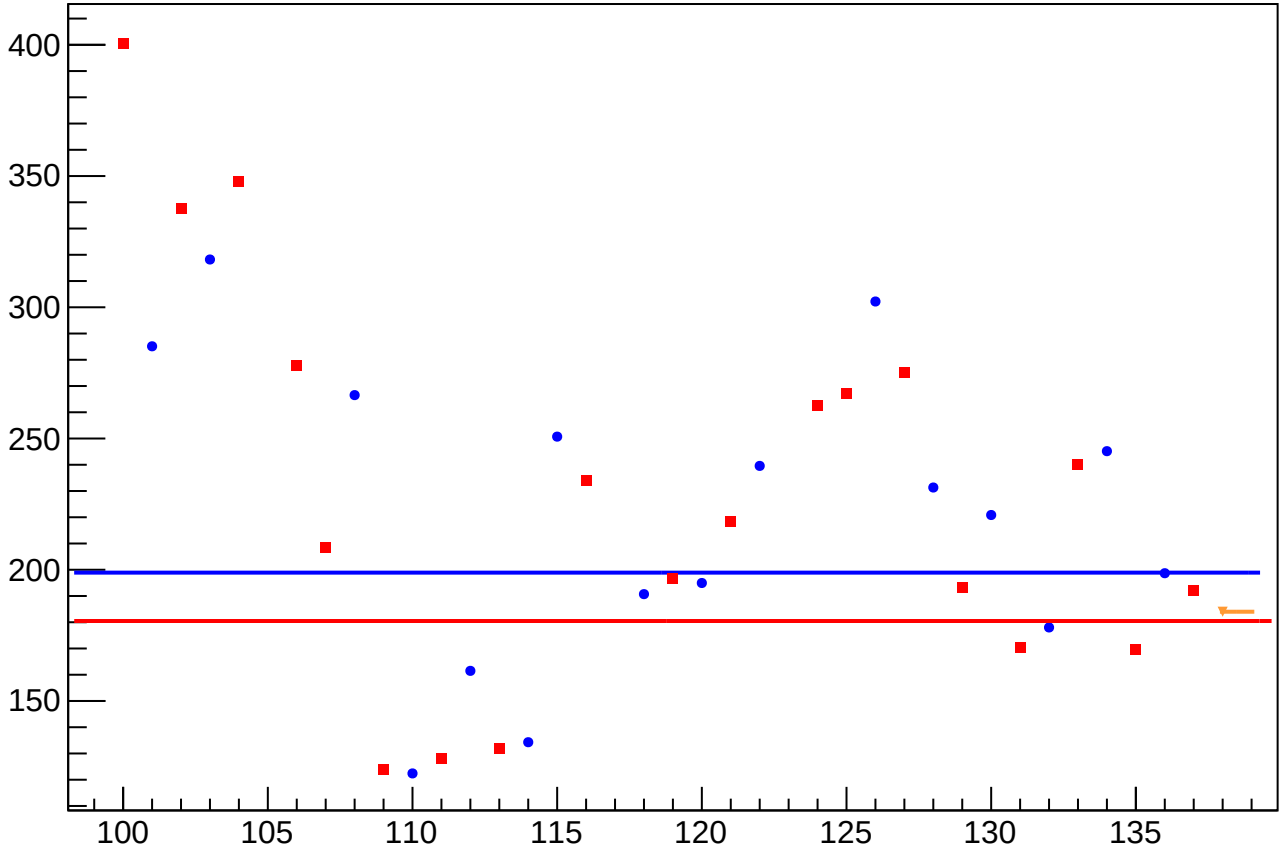
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -305.649+/-77.868 χ^2/NDF:451.8/15

Out: -788.072+/-67.138 χ^2/NDF:682.1/19

All: -582.366+/-50.848 χ^2/NDF: 1155.9/35

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 184.007+/-0.149 χ^2/NDF:0.0/0

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 184.007+/-0.149 χ^2/NDF: 0.0/0

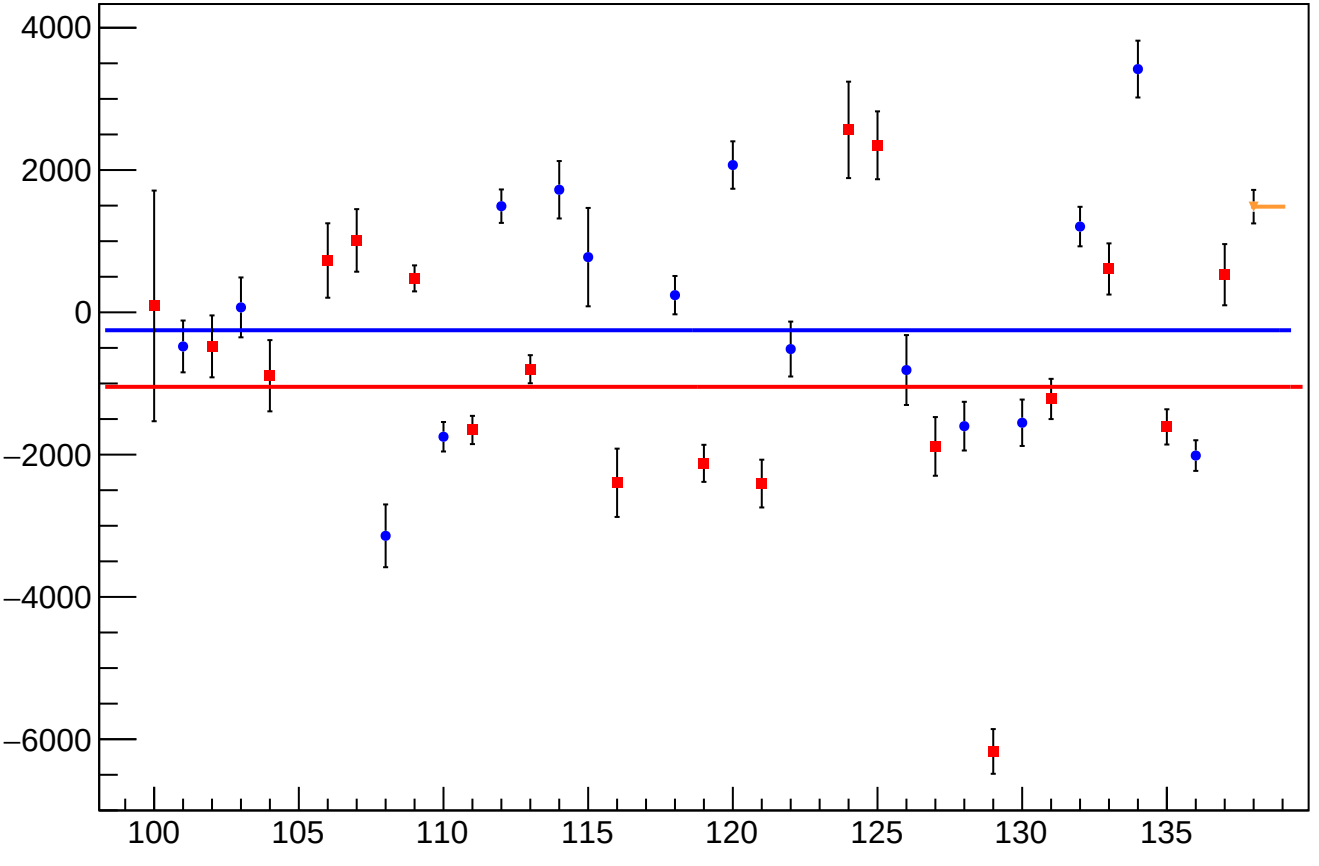
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 198.903+/-0.055 χ^2/NDF:912765.0/15

Out: 180.831+/-0.047 χ^2/NDF:1434940.8/19

All: 188.537+/-0.036 χ^2/NDF: 2409494.2/35

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1485.271+/-235.528 χ^2/NDF:0.0/0

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1485.271+/-235.528 χ^2/NDF: 0.0/0

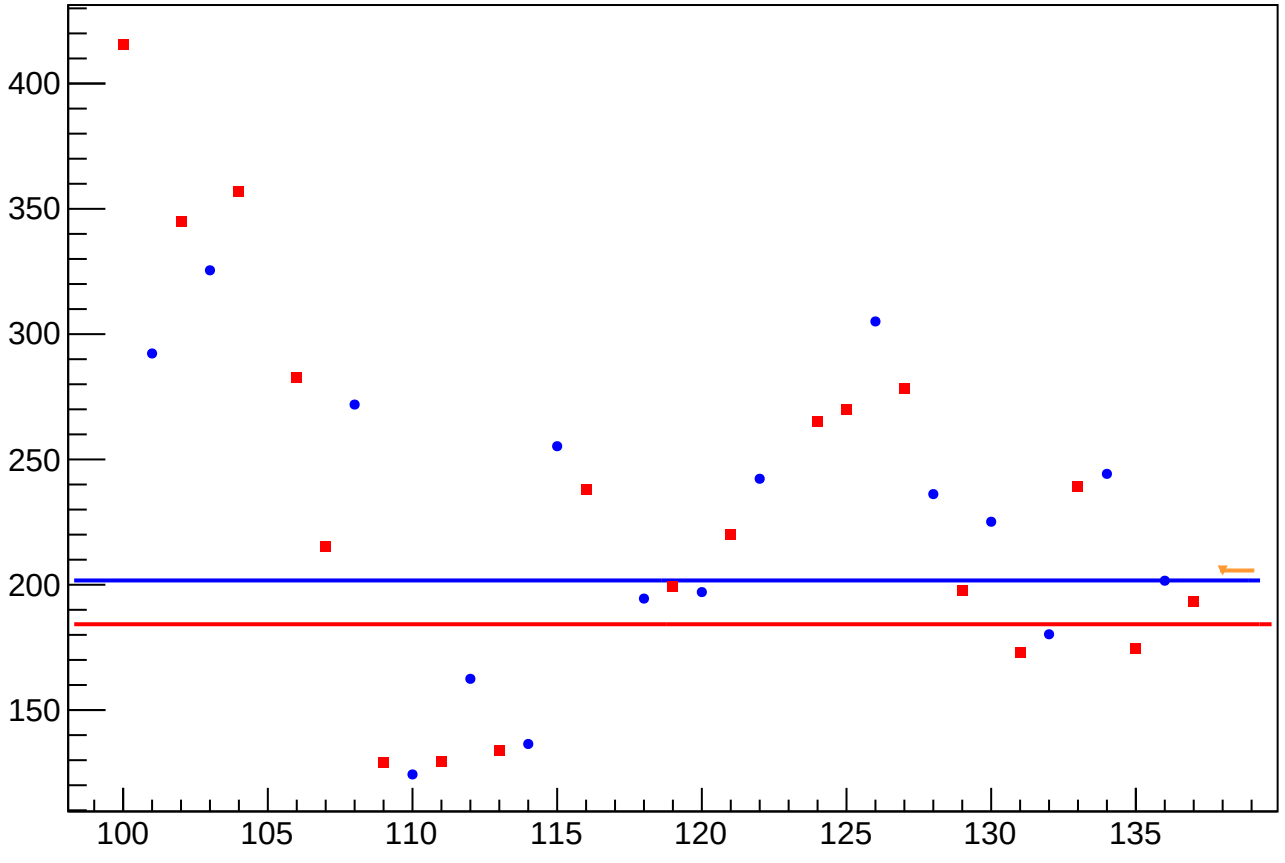
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -251.795+/-78.974 χ^2/NDF:441.2/15

Out: -829.659+/-69.021 χ^2/NDF:652.4/19

All: -579.416+/-51.970 χ^2/NDF: 1124.0/35

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 205.687+/-0.167 χ^2/NDF:0.0/0

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 205.687+/-0.167 χ^2/NDF: 0.0/0

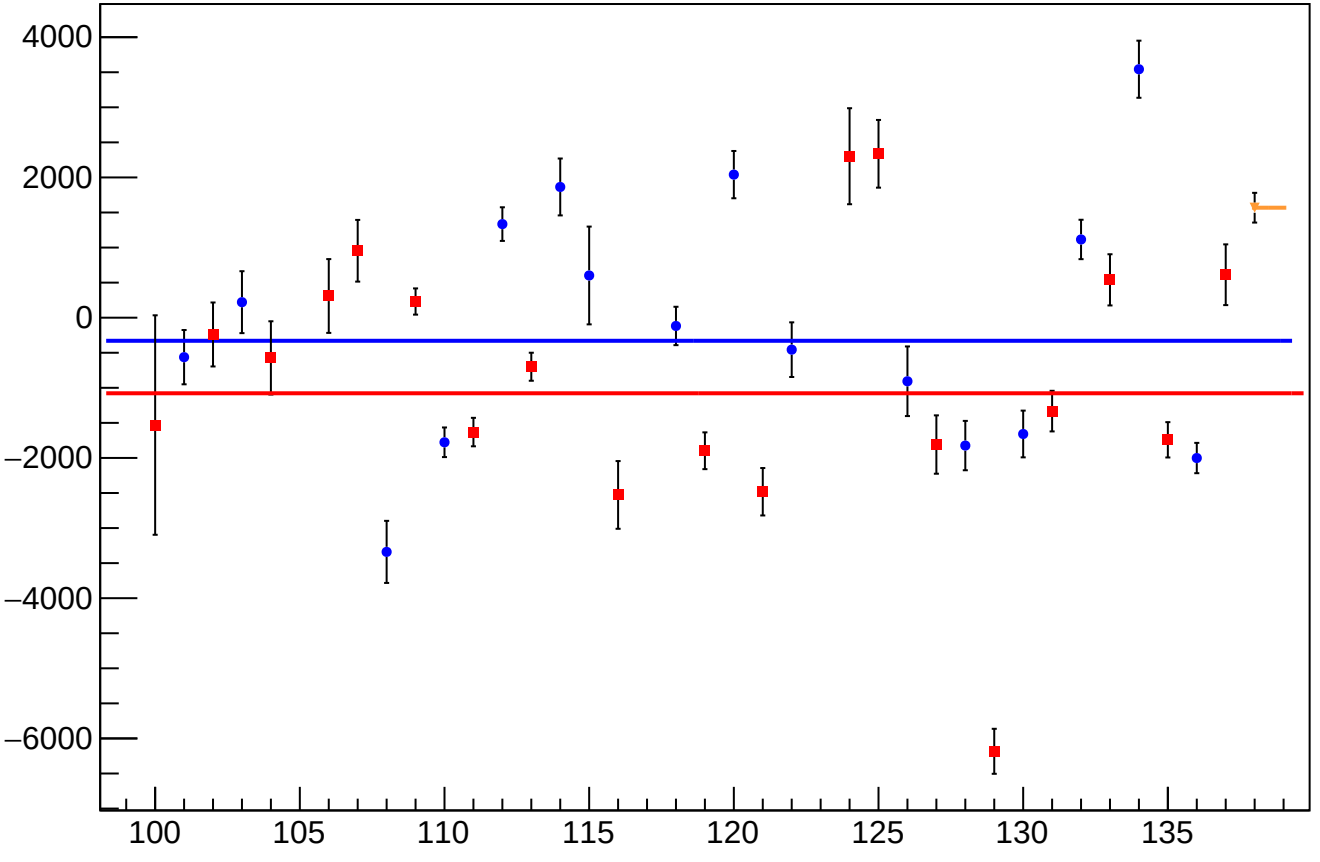
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 201.714+/-0.056 χ^2/NDF:924210.1/15

Out: 186.085+/-0.049 χ^2/NDF:1418915.5/19

All: 192.853+/-0.037 χ^2/NDF: 2387530.1/35

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1568.375+/-211.981 χ^2/NDF:0.0/0

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1568.375+/-211.981 χ^2/NDF: 0.0/0

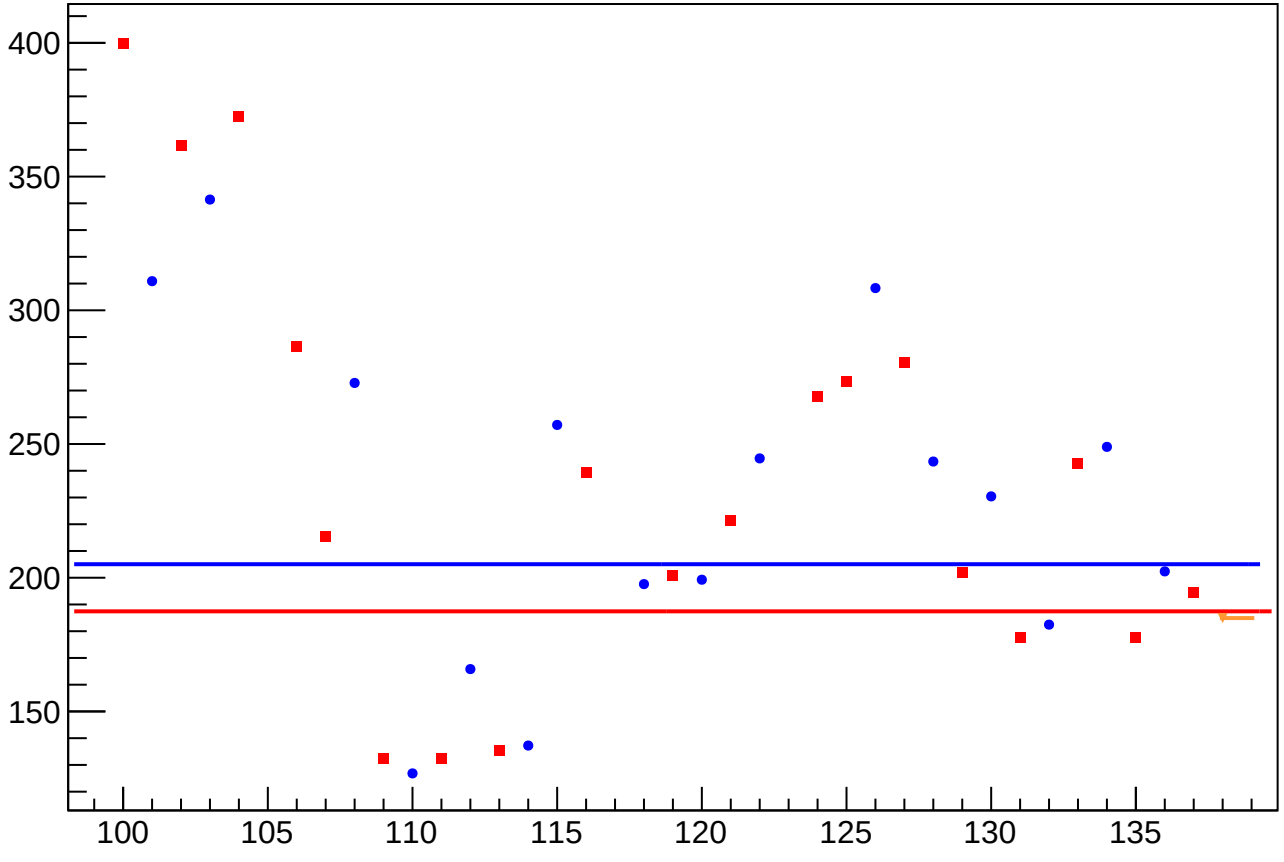
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -329.377+/-80.367 χ^2/NDF:436.4/15

Out: -794.543+/-69.363 χ^2/NDF:641.1/19

All: -595.961+/-52.510 χ^2/NDF: 1096.7/35

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 184.916+/-0.150 χ^2/NDF:0.0/0

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 184.916+/-0.150 χ^2/NDF: 0.0/0

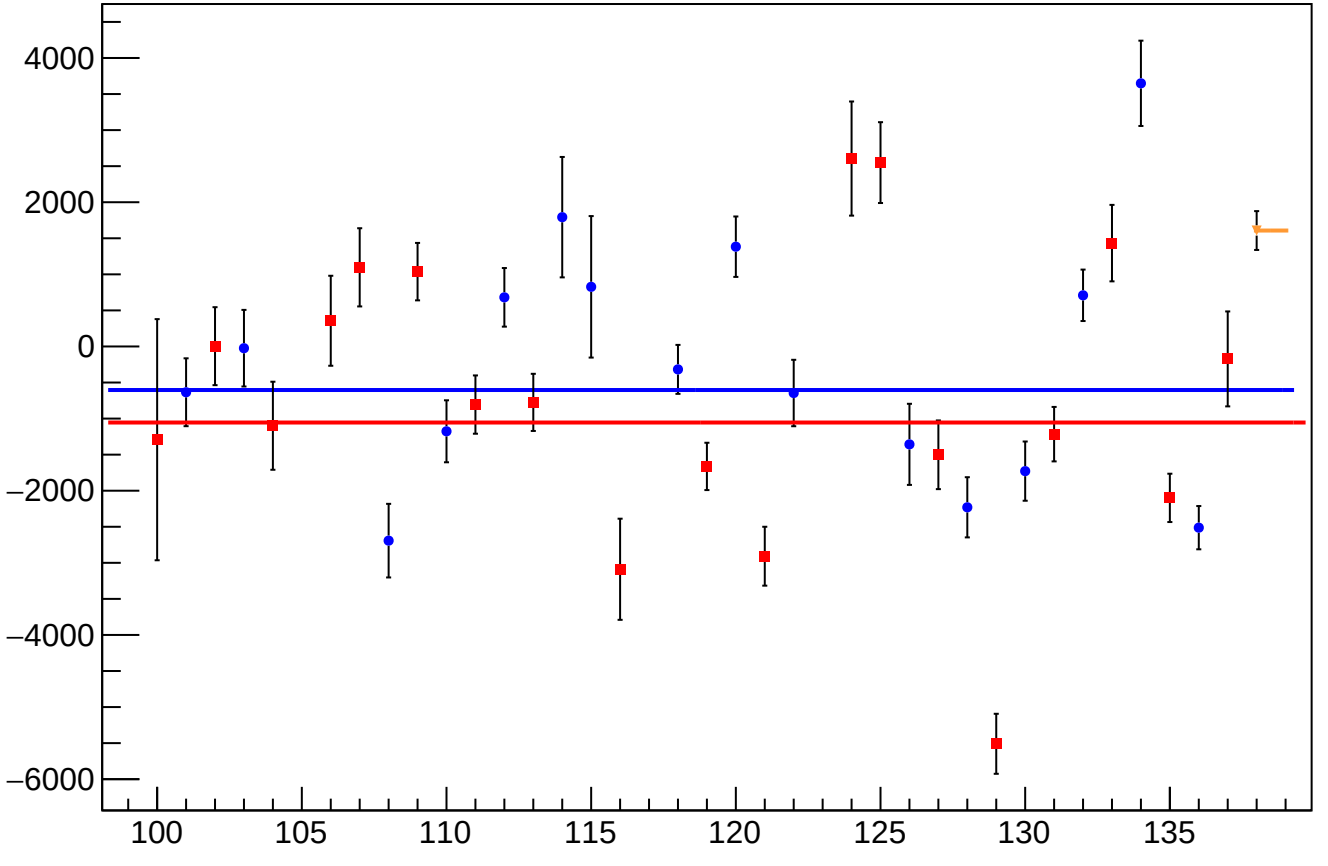
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 205.053+/-0.057 χ^2/NDF:963052.0/15

Out: 187.162+/-0.049 χ^2/NDF:1411053.7/19

All: 194.800+/-0.037 χ^2/NDF: 2430908.1/35

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1607.441+/-269.265 χ^2/NDF:0.0/0

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1607.441+/-269.265 χ^2/NDF: 0.0/0

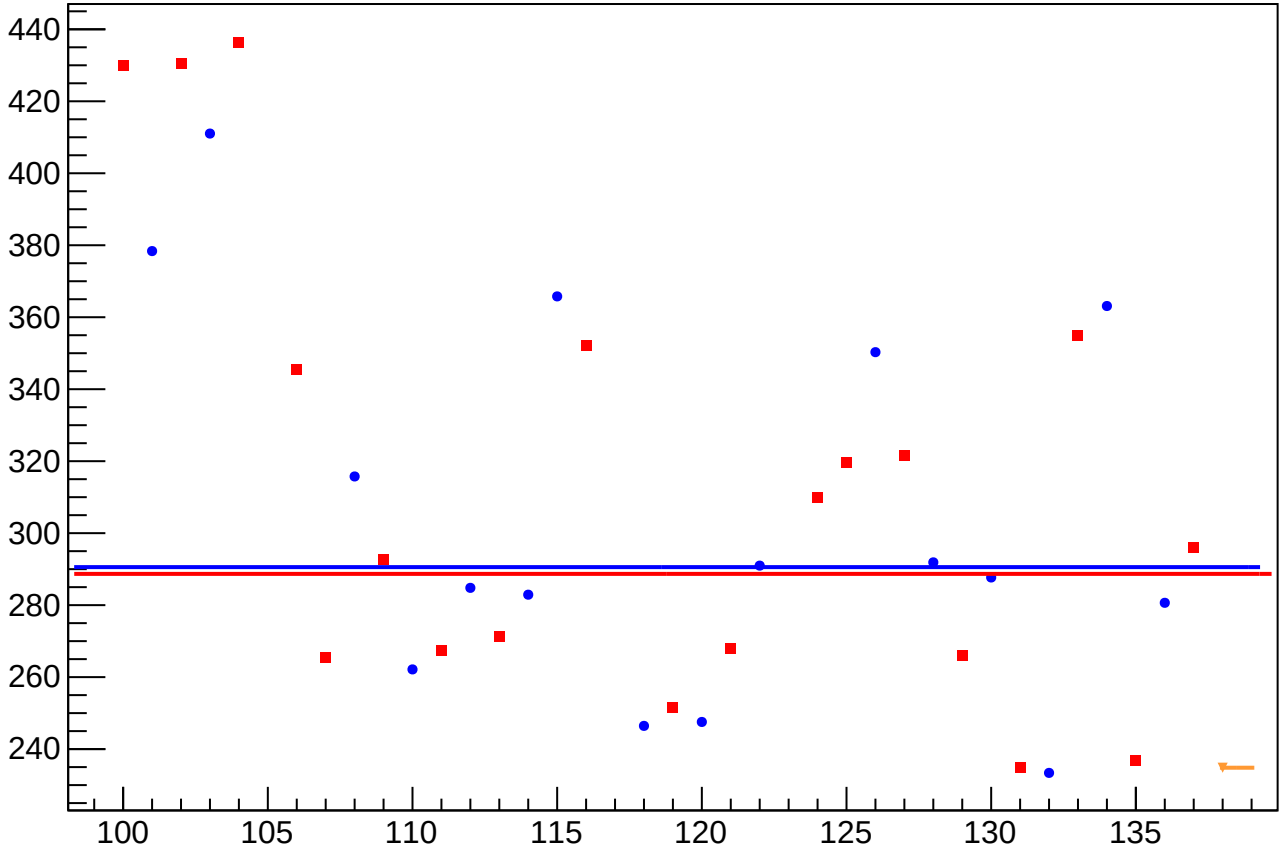
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -603.855+/-110.693 χ^2/NDF:193.5/15

Out: -684.102+/-100.448 χ^2/NDF:381.8/19

All: -647.863+/-74.386 χ^2/NDF: 575.6/35

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 234.829+/-0.190 χ^2/NDF:0.0/0

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 234.829+/-0.190 χ^2/NDF: 0.0/0

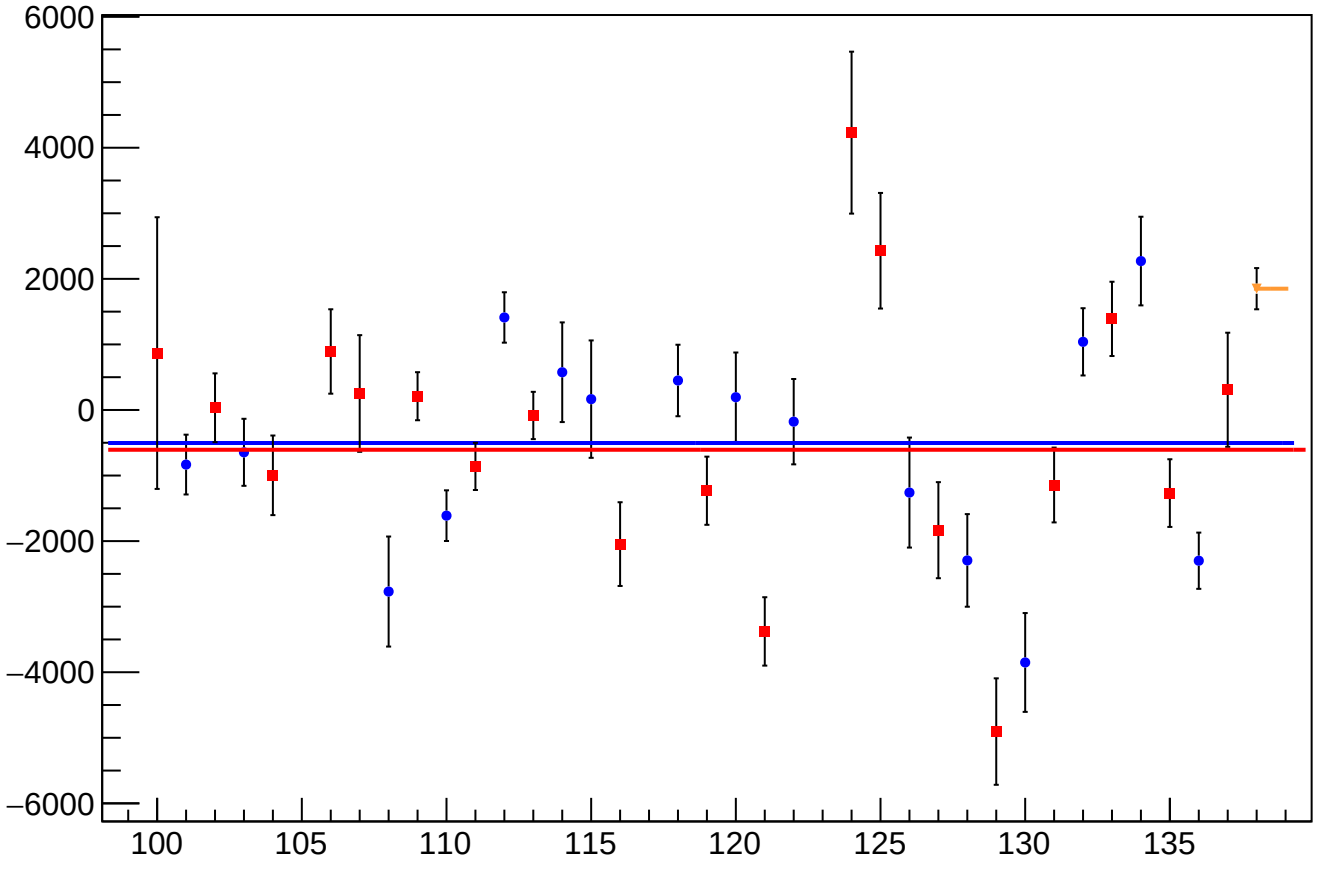
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 290.566+/-0.078 χ^2/NDF:359807.1/15

Out: 281.191+/-0.071 χ^2/NDF:557971.3/19

All: 285.425+/-0.053 χ^2/NDF: 925646.3/35

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1850.024+/-314.314 χ^2/NDF:0.0/0

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1850.024+/-314.314 χ^2/NDF: 0.0/0

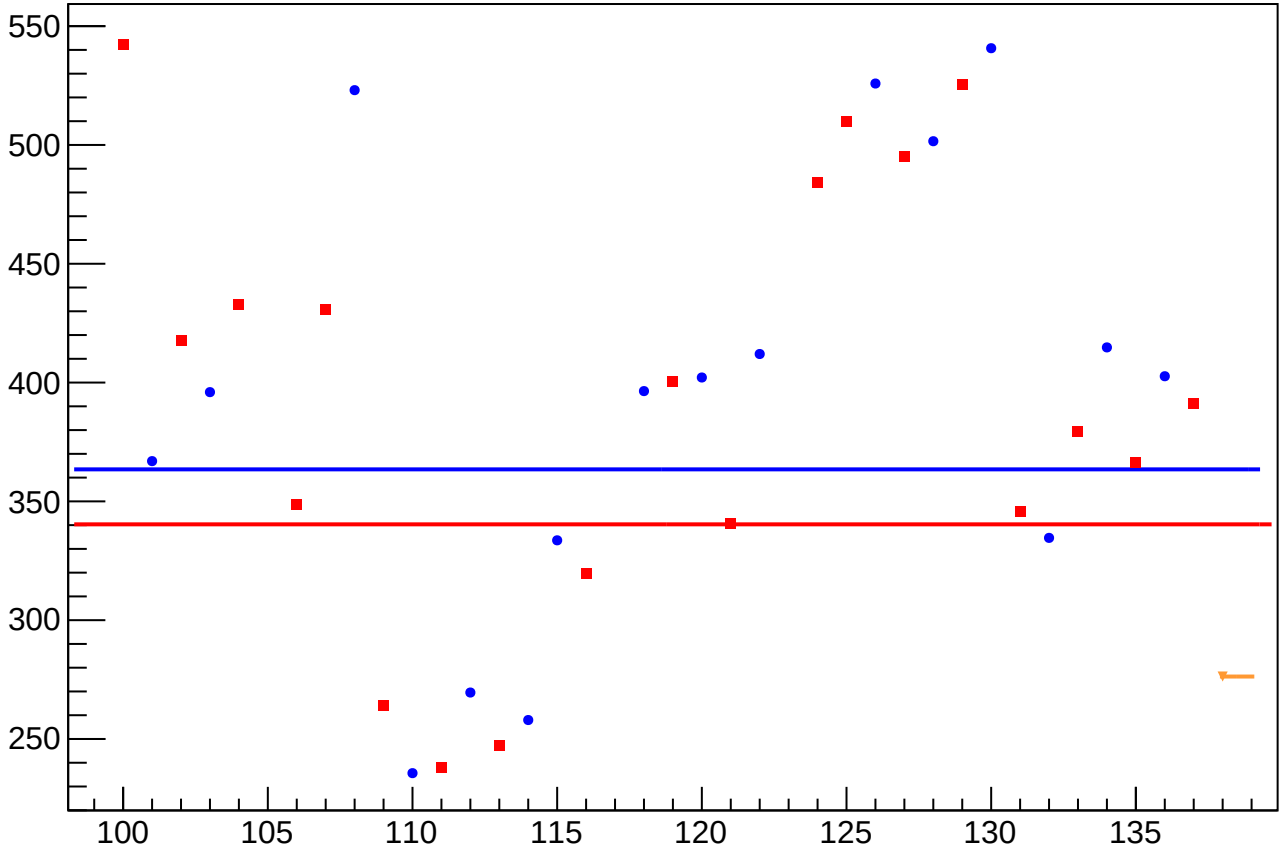
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -503.675+/-140.058 χ^2/NDF:118.2/15

Out: -249.830+/-119.821 χ^2/NDF:177.4/19

All: -357.105+/-91.048 χ^2/NDF: 297.5/35

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 276.280+/-0.222 χ^2/NDF:0.0/0

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 276.280+/-0.222 χ^2/NDF: 0.0/0

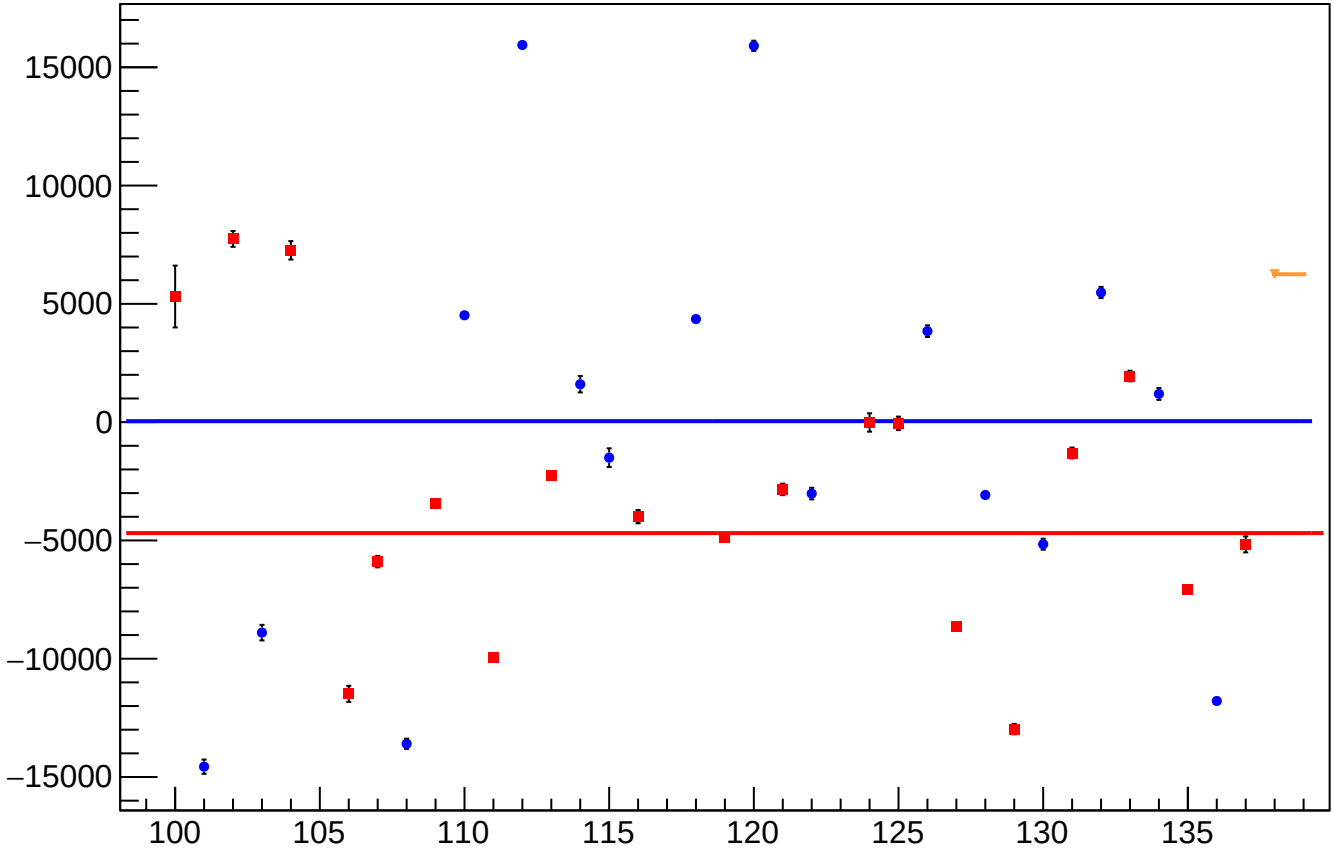
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 363.471+/-0.099 χ^2/NDF:780893.2/15

Out: 331.024+/-0.085 χ^2/NDF:927216.4/19

All: 344.736+/-0.064 χ^2/NDF: 1770089.5/35

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 6252.178+/-185.972 χ^2/NDF:0.0/0

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6252.178+/-185.972 χ^2/NDF: 0.0/0

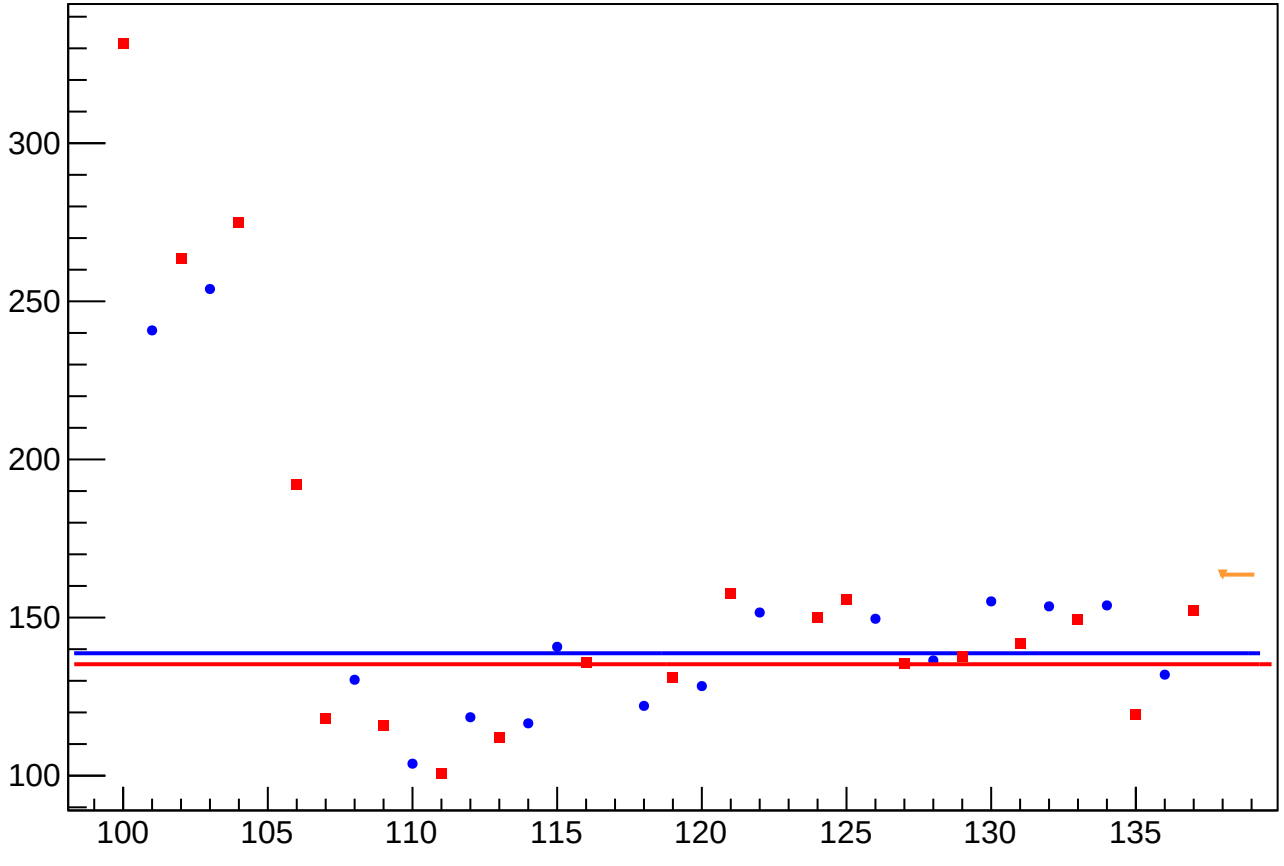
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: 40.915+/-54.199 χ^2/NDF:30786.3/15

Out: -3893.578+/-50.164 χ^2/NDF:11005.5/19

All: -2078.211+/-36.815 χ^2/NDF: 44630.2/35

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 163.586+/-0.132 χ^2/NDF:0.0/0

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 163.586+/-0.132 χ^2/NDF: 0.0/0

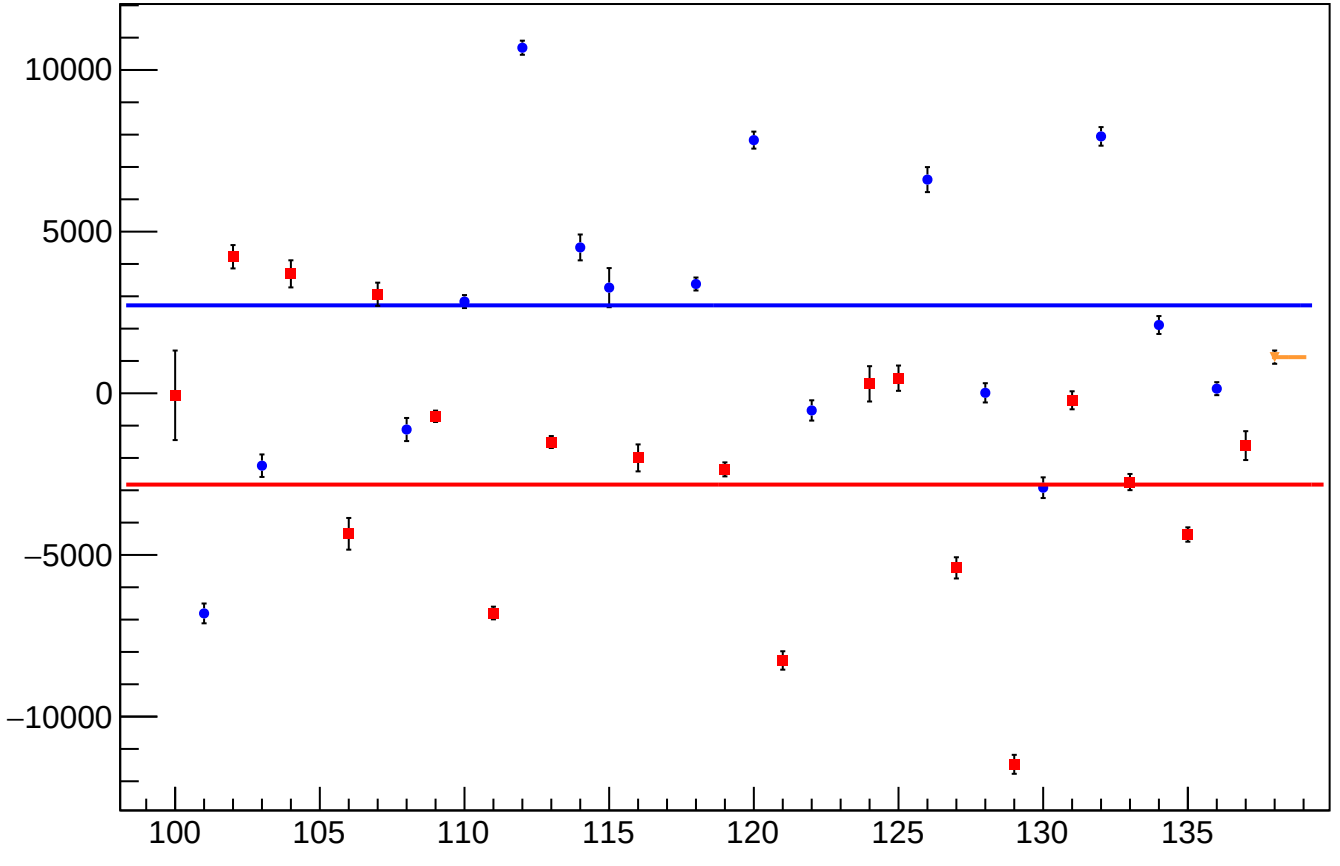
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 138.712+/-0.038 χ^2/NDF:657791.3/15

Out: 137.307+/-0.035 χ^2/NDF:933092.3/19

All: 137.955+/-0.026 χ^2/NDF: 1591607.2/35

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: 1117.922+/-205.408 χ^2/NDF:0.0/0

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1117.922+/-205.408 χ^2/NDF: 0.0/0

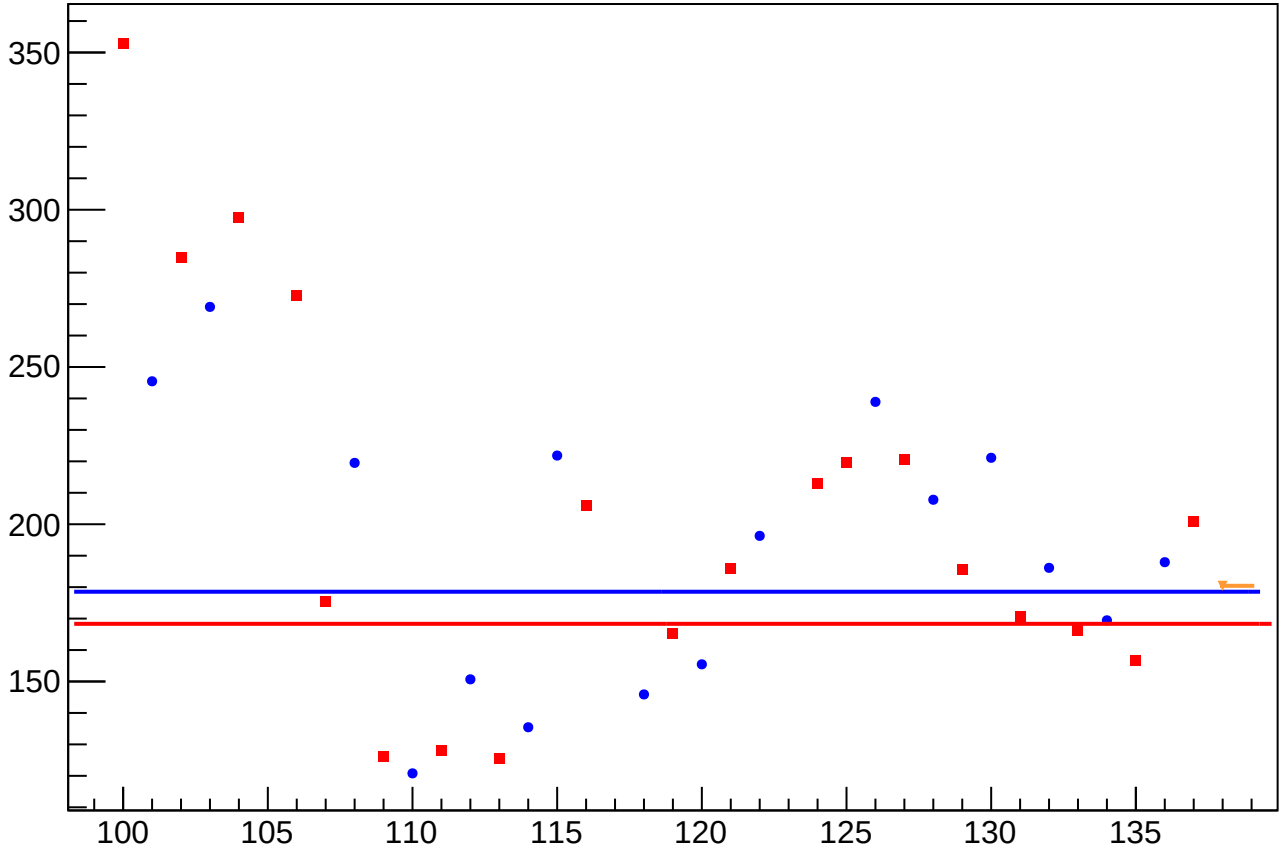
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: 2719.896+/-69.247 χ^2/NDF:4129.3/15

Out: -2466.410+/-61.841 χ^2/NDF:3397.6/19

All: -165.317+/-46.125 χ^2/NDF: 10647.4/35

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 180.422+/-0.145 χ^2/NDF:0.0/0

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

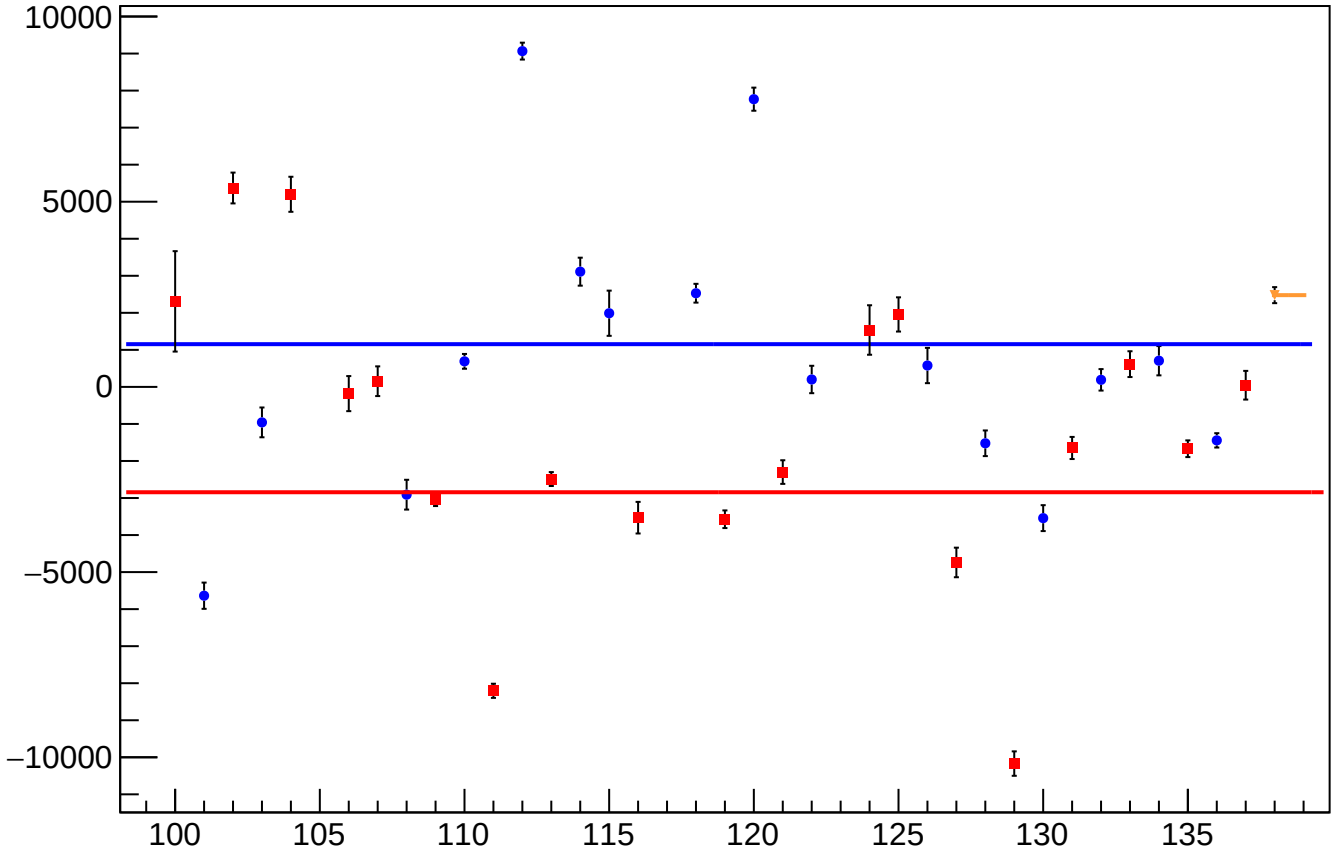
Left: 180.422+/-0.145 χ^2/NDF: 0.0/0

Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 178.541+/-0.049 χ^2/NDF:674566.0/15

Out: 169.430+/-0.044 χ^2/NDF:985783.5/19

All: 173.473+/-0.033 χ^2/NDF: 1679609.6/35



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2477.455+/-216.347 χ^2/NDF:0.0/0

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2477.455+/-216.347 χ^2/NDF: 0.0/0

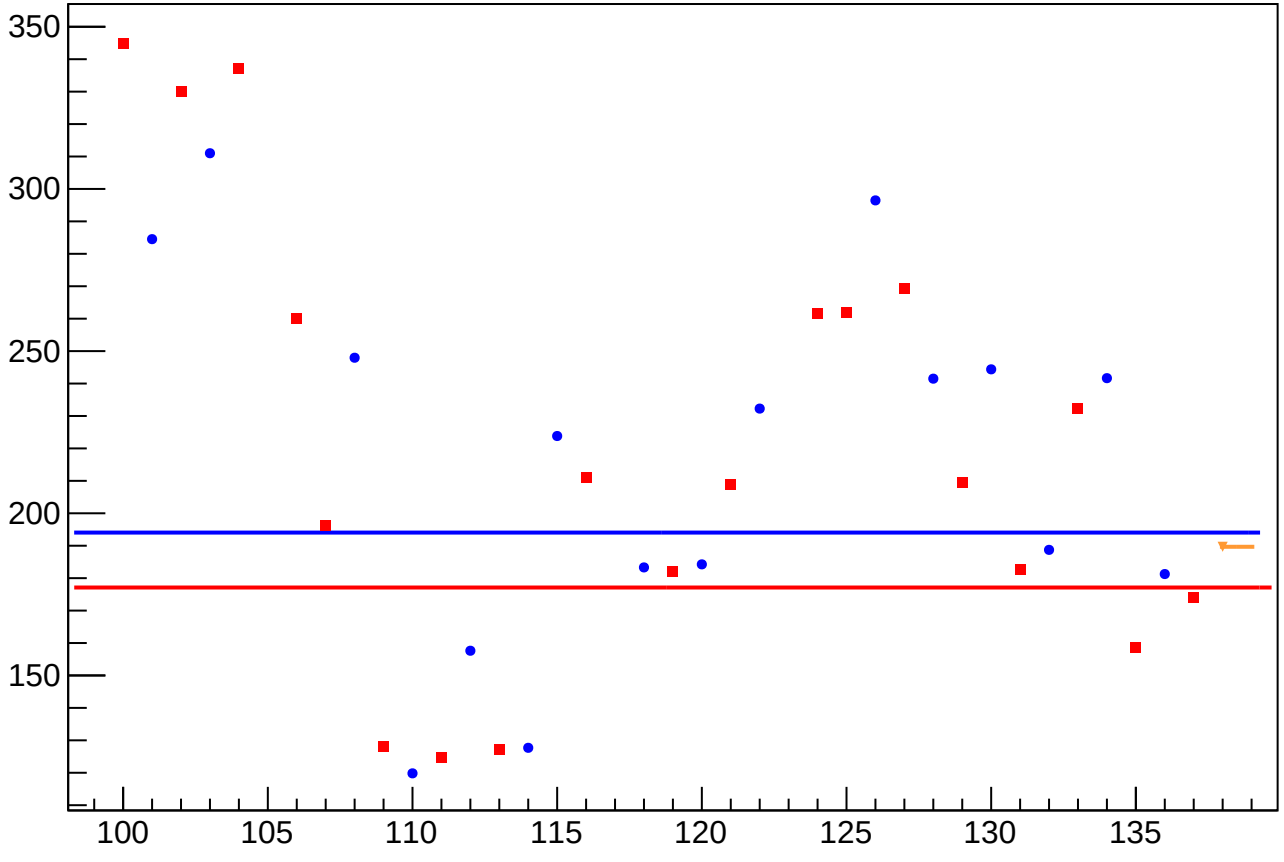
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: 1153.823+/-75.957 χ^2/NDF:2655.3/15

Out: -2350.795+/-65.858 χ^2/NDF:3002.1/19

All: -846.800+/-49.759 χ^2/NDF: 6872.7/35

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 189.672+/-0.153 χ^2/NDF:0.0/0

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

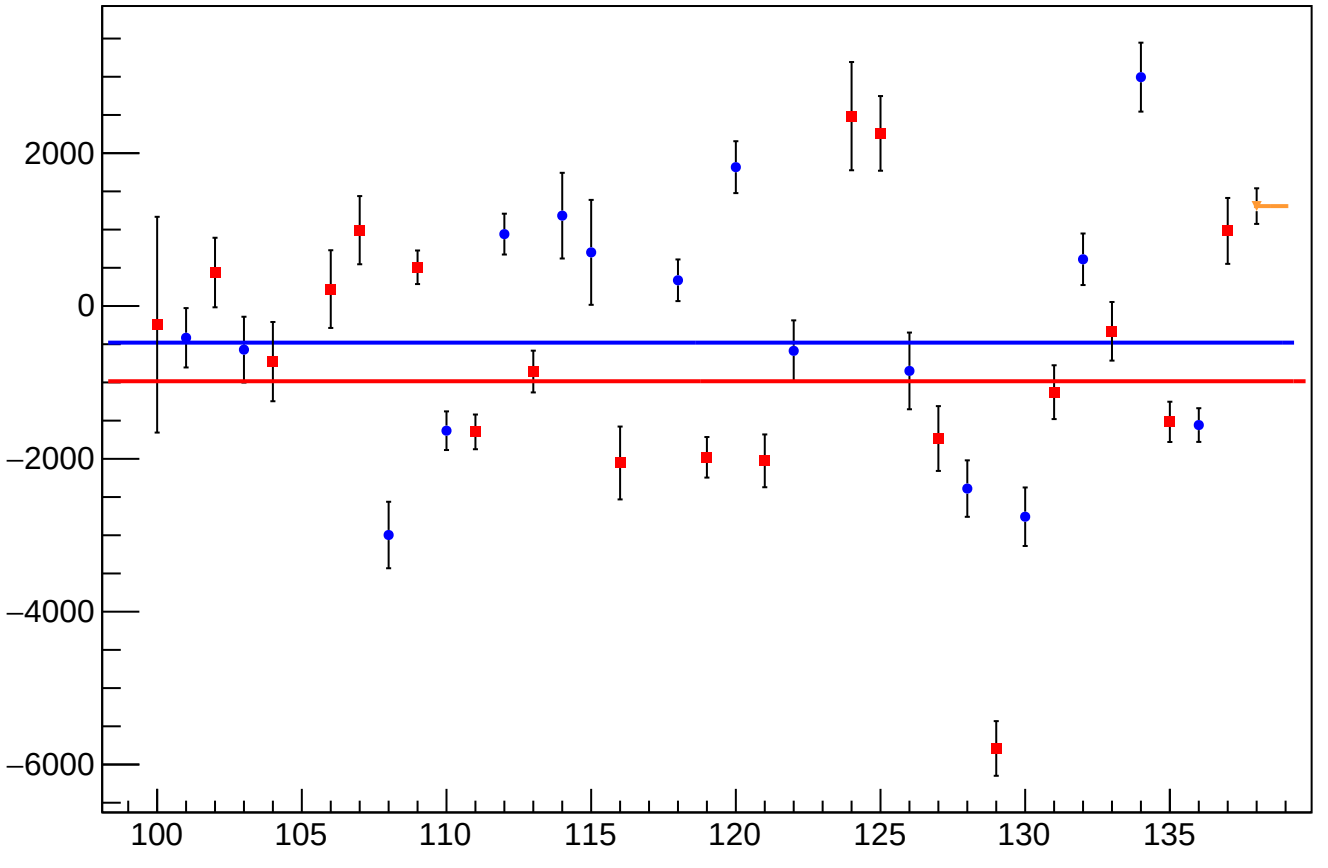
Left: 189.672+/-0.153 χ^2/NDF: 0.0/0

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 194.053+/-0.054 χ^2/NDF:965786.1/15

Out: 178.279+/-0.047 χ^2/NDF:1365459.3/19

All: 185.048+/-0.035 χ^2/NDF: 2380485.6/35



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1307.275+/-233.095 χ^2/NDF:0.0/0

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1307.275+/-233.095 χ^2/NDF: 0.0/0

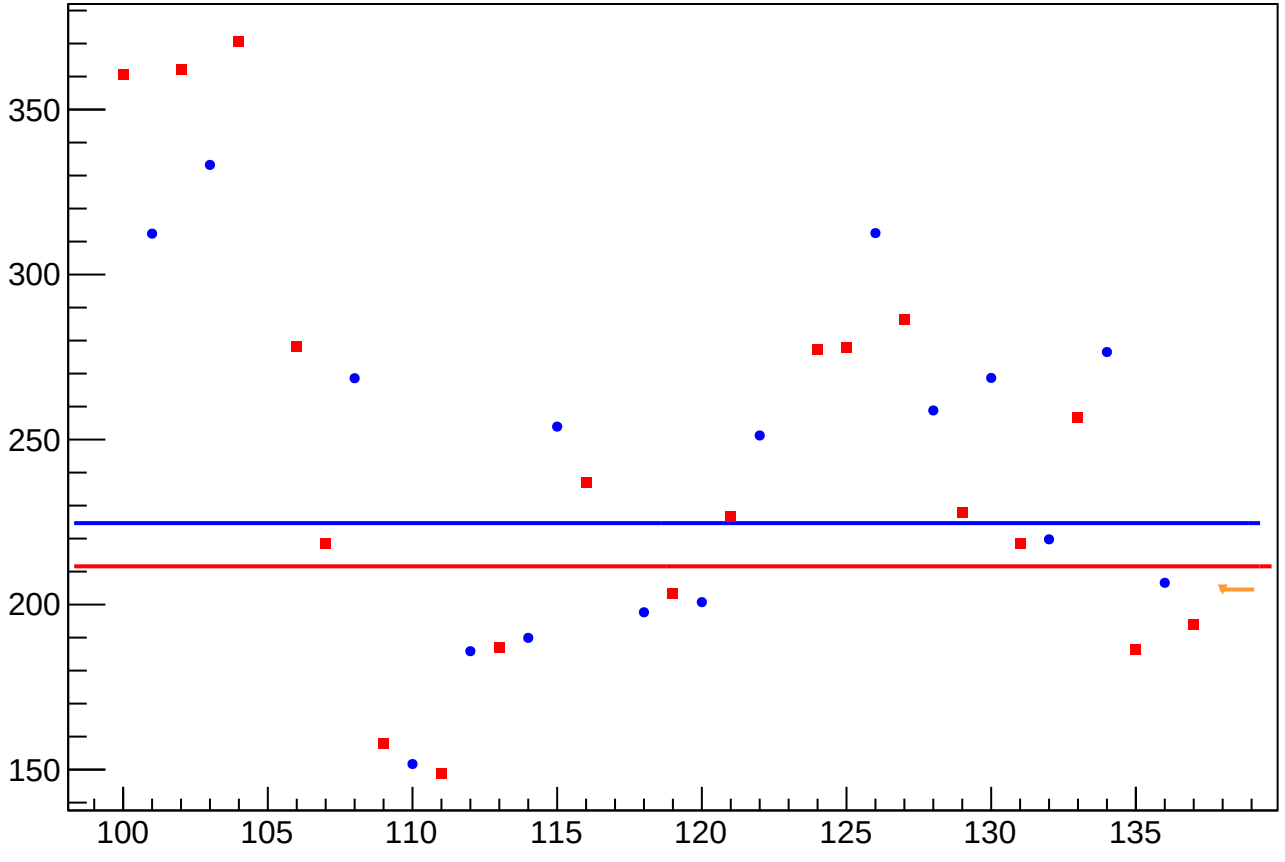
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -479.302+/-86.685 χ^2/NDF:305.4/15

Out: -737.871+/-76.466 χ^2/NDF:484.4/19

All: -624.719+/-57.344 χ^2/NDF: 794.8/35

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 204.565+/-0.165 χ^2/NDF:0.0/0

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 204.565+/-0.165 χ^2/NDF: 0.0/0

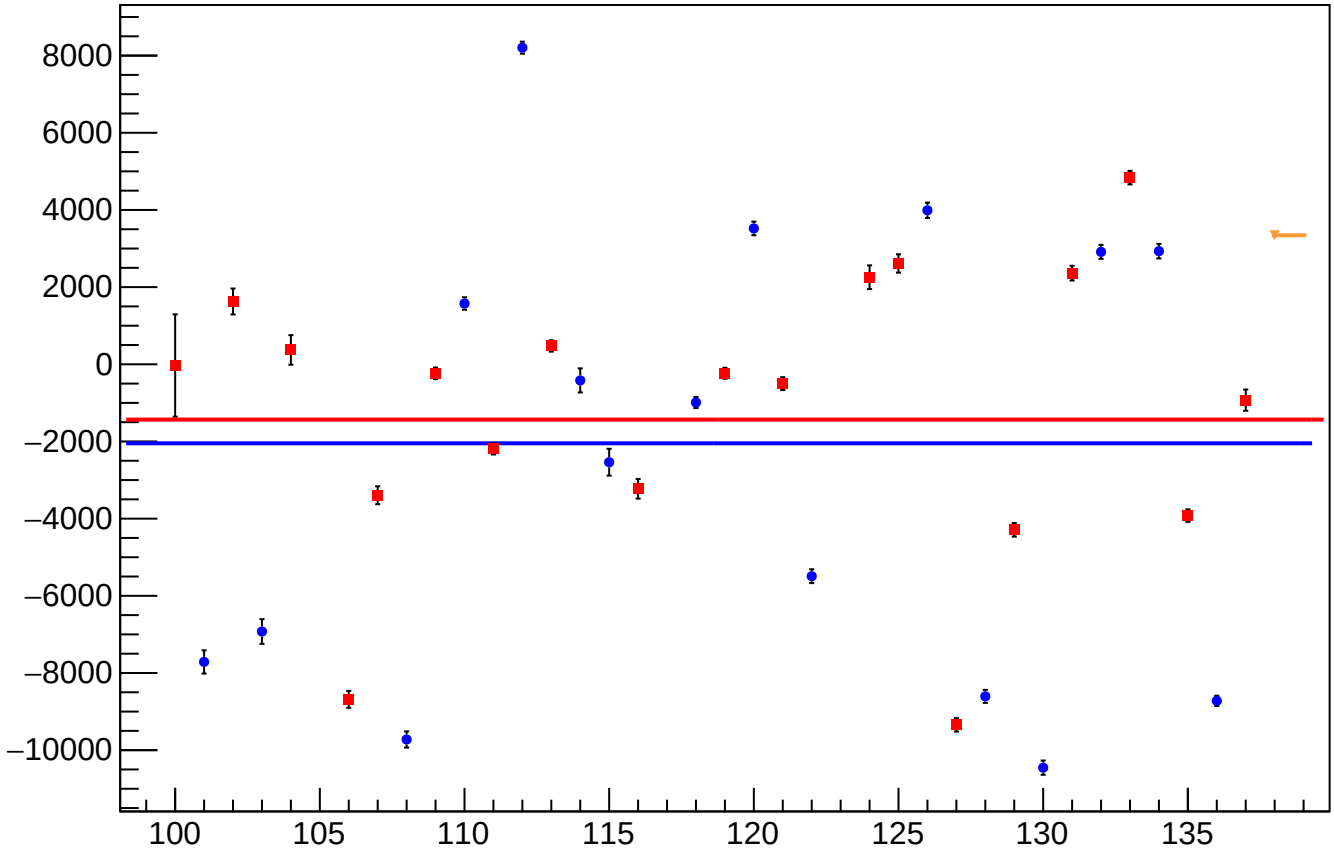
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 224.683+/-0.061 χ^2/NDF:653193.4/15

Out: 210.838+/-0.054 χ^2/NDF:934525.8/19

All: 216.897+/-0.041 χ^2/NDF: 1616408.3/35

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: 3343.195+/-127.533 χ^2/NDF:0.0/0

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3343.195+/-127.533 χ^2/NDF: 0.0/0

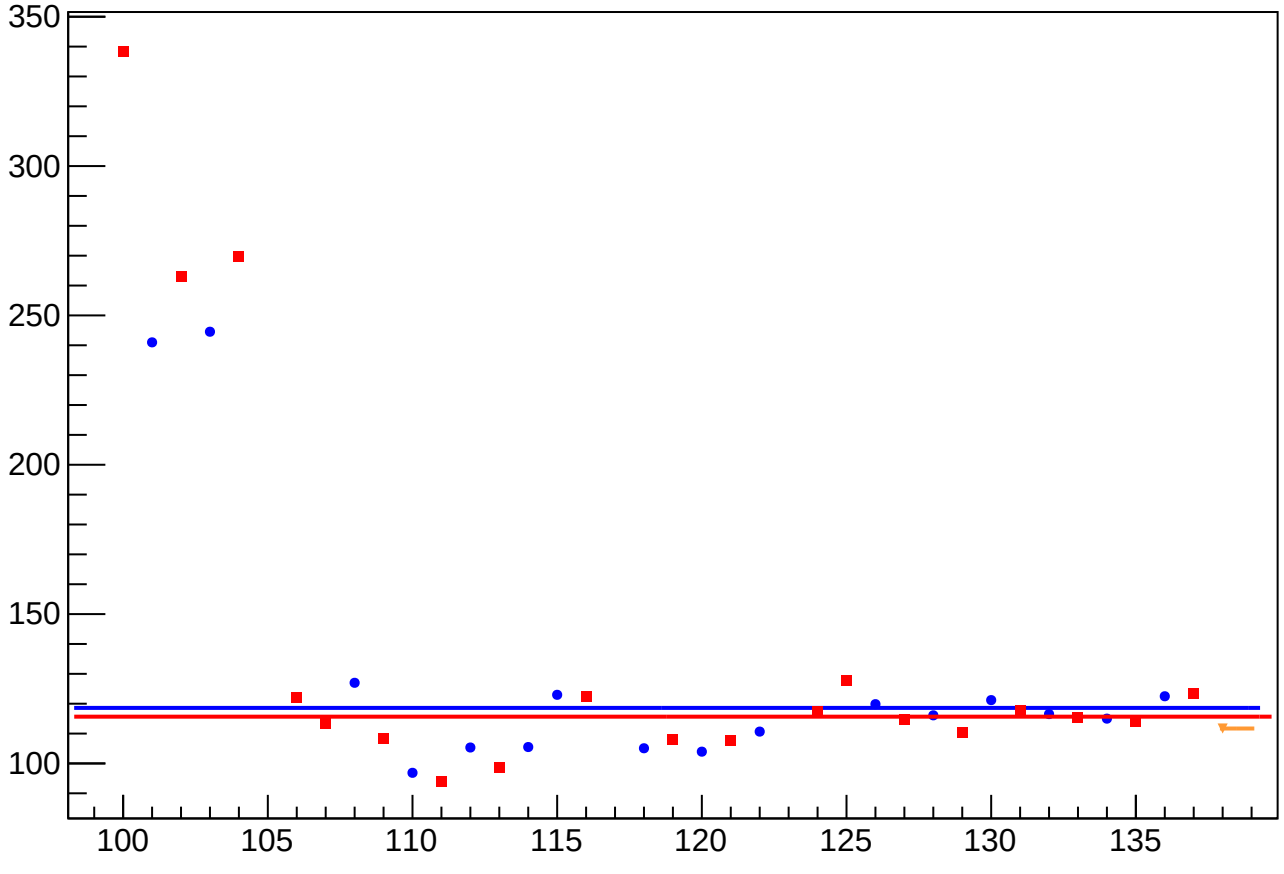
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -2047.267+/-46.722 χ^2/NDF:16709.1/15

Out: -909.762+/-42.208 χ^2/NDF:7636.6/19

All: -1420.930+/-31.320 χ^2/NDF: 24672.2/35

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.696+/-0.090 χ^2/NDF:0.0/0

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 111.696+/-0.090 χ^2/NDF: 0.0/0

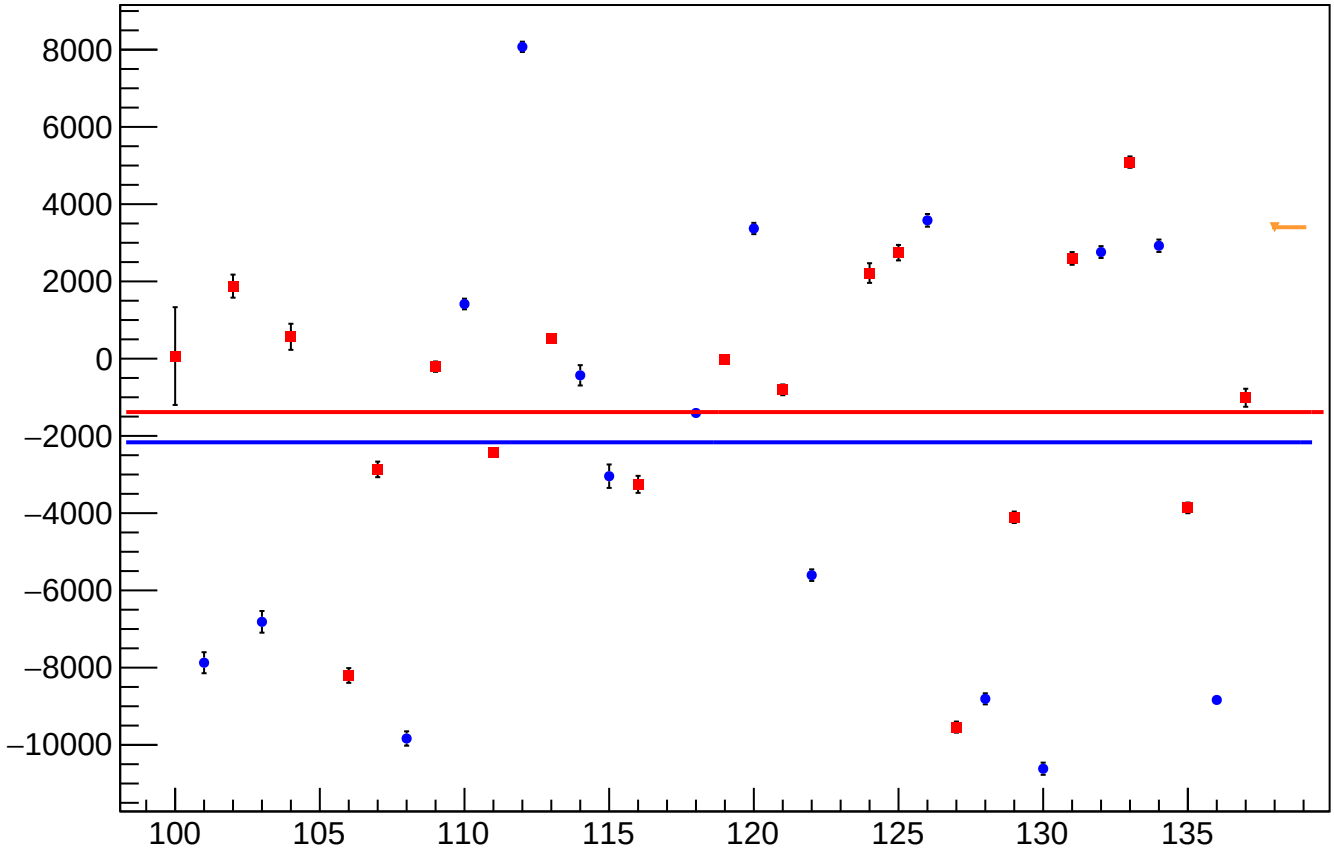
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 118.596+/-0.033 χ^2/NDF:734158.7/15

Out: 115.225+/-0.030 χ^2/NDF:865926.9/19

All: 116.740+/-0.022 χ^2/NDF: 1605816.4/35

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: 3402.596+/-116.248 χ^2/NDF:0.0/0

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3402.596+/-116.248 χ^2/NDF: 0.0/0

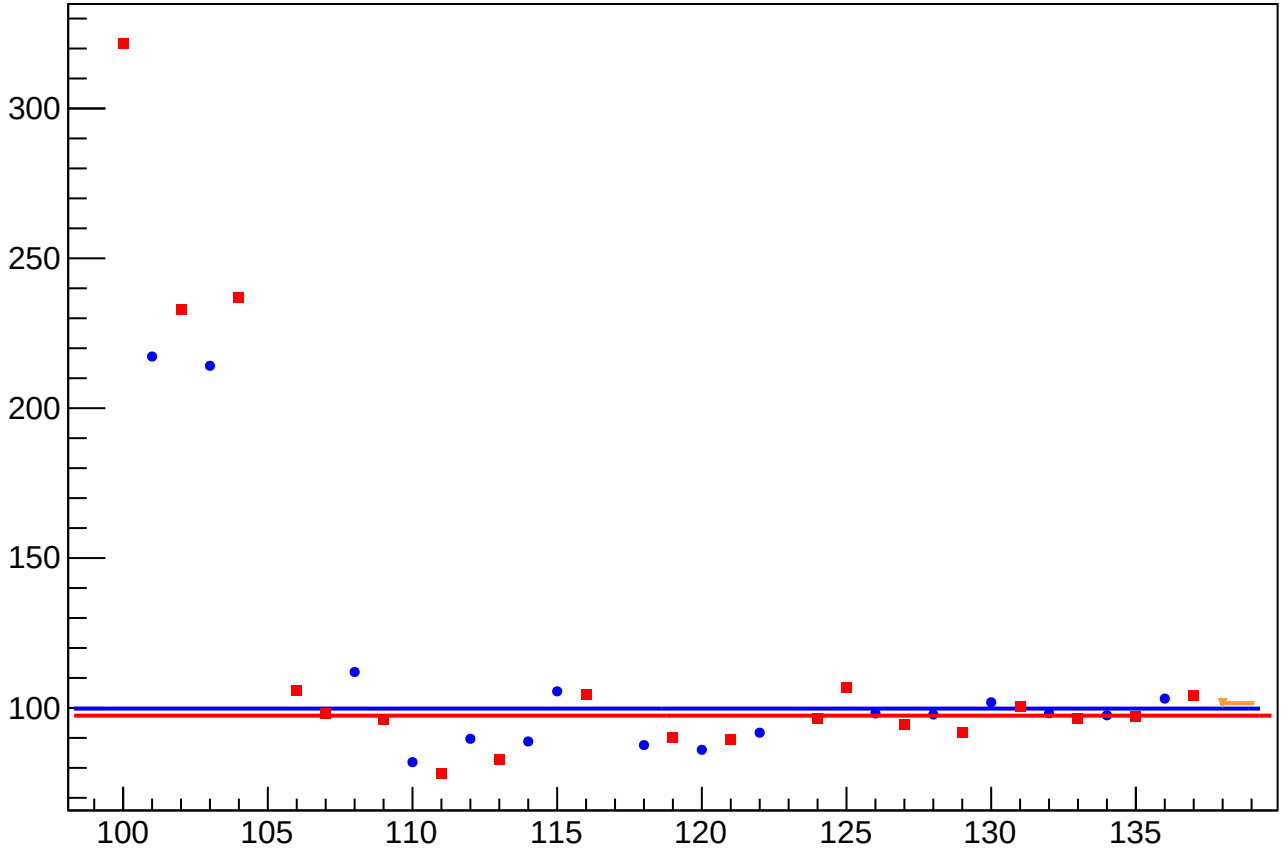
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -2165.877+/-39.632 χ^2/NDF:22874.8/15

Out: -921.629+/-36.098 χ^2/NDF:10679.9/19

All: -1485.823+/-26.687 χ^2/NDF: 34093.5/35

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 101.606+/-0.082 χ^2/NDF:0.0/0

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 101.606+/-0.082 χ^2/NDF: 0.0/0

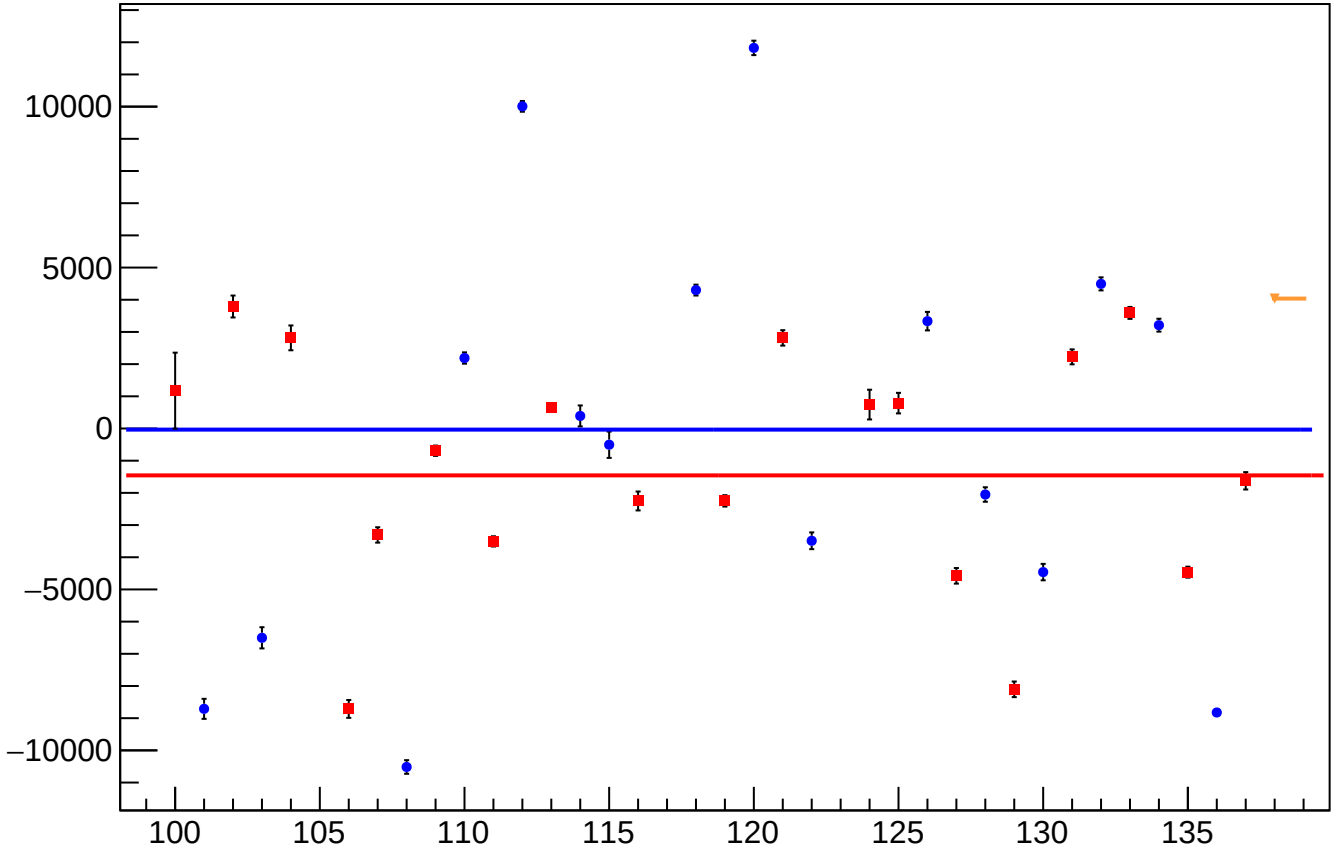
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 99.775+/-0.028 χ^2/NDF:809152.9/15

Out: 97.830+/-0.026 χ^2/NDF:928382.1/19

All: 98.712+/-0.019 χ^2/NDF: 1740165.4/35

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: 4036.719+/-155.111 χ^2/NDF:0.0/0

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4036.719+/-155.111 χ^2/NDF: 0.0/0

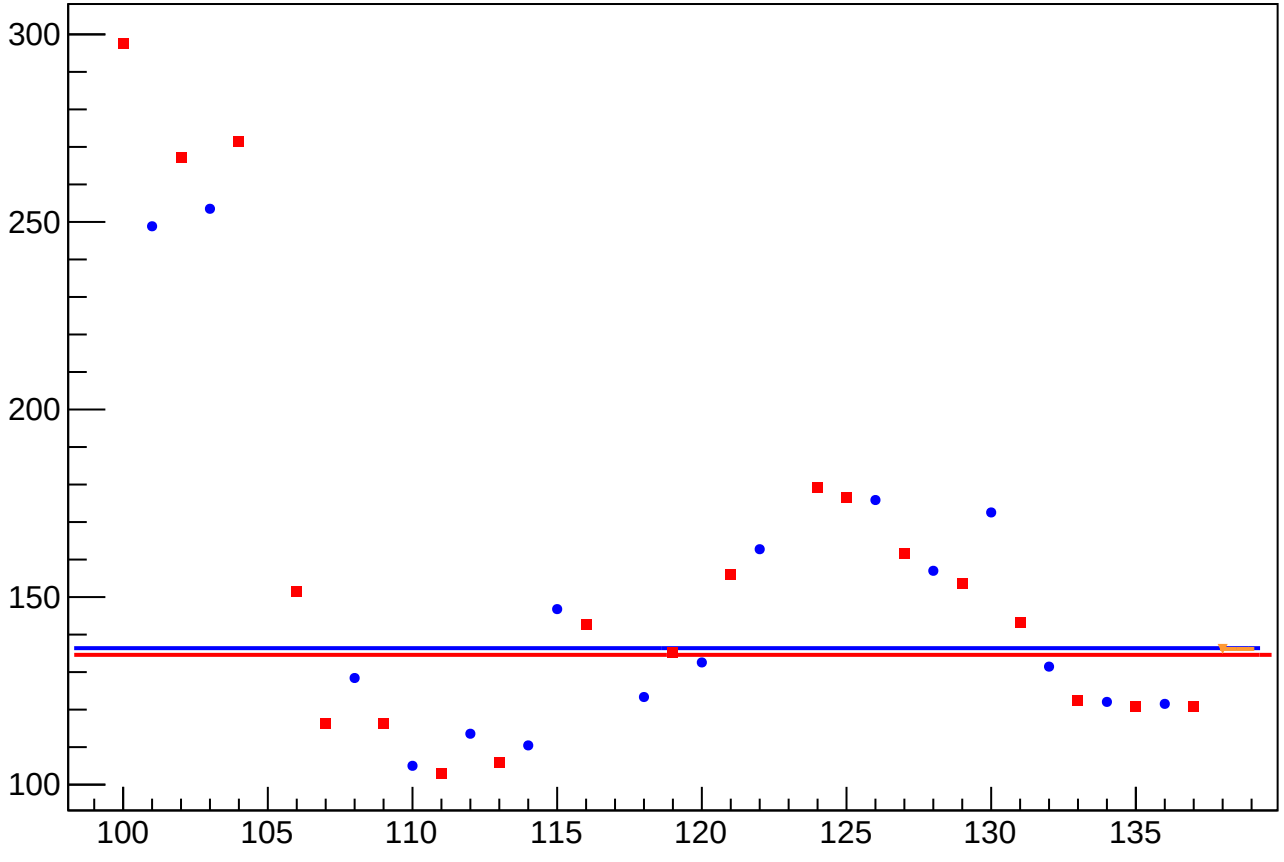
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -34.667+/-53.465 χ^2/NDF:16802.8/15

Out: -902.692+/-49.257 χ^2/NDF:5244.8/19

All: -504.181+/-36.226 χ^2/NDF: 22190.2/35

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 136.169+/-0.110 χ^2/NDF:0.0/0

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

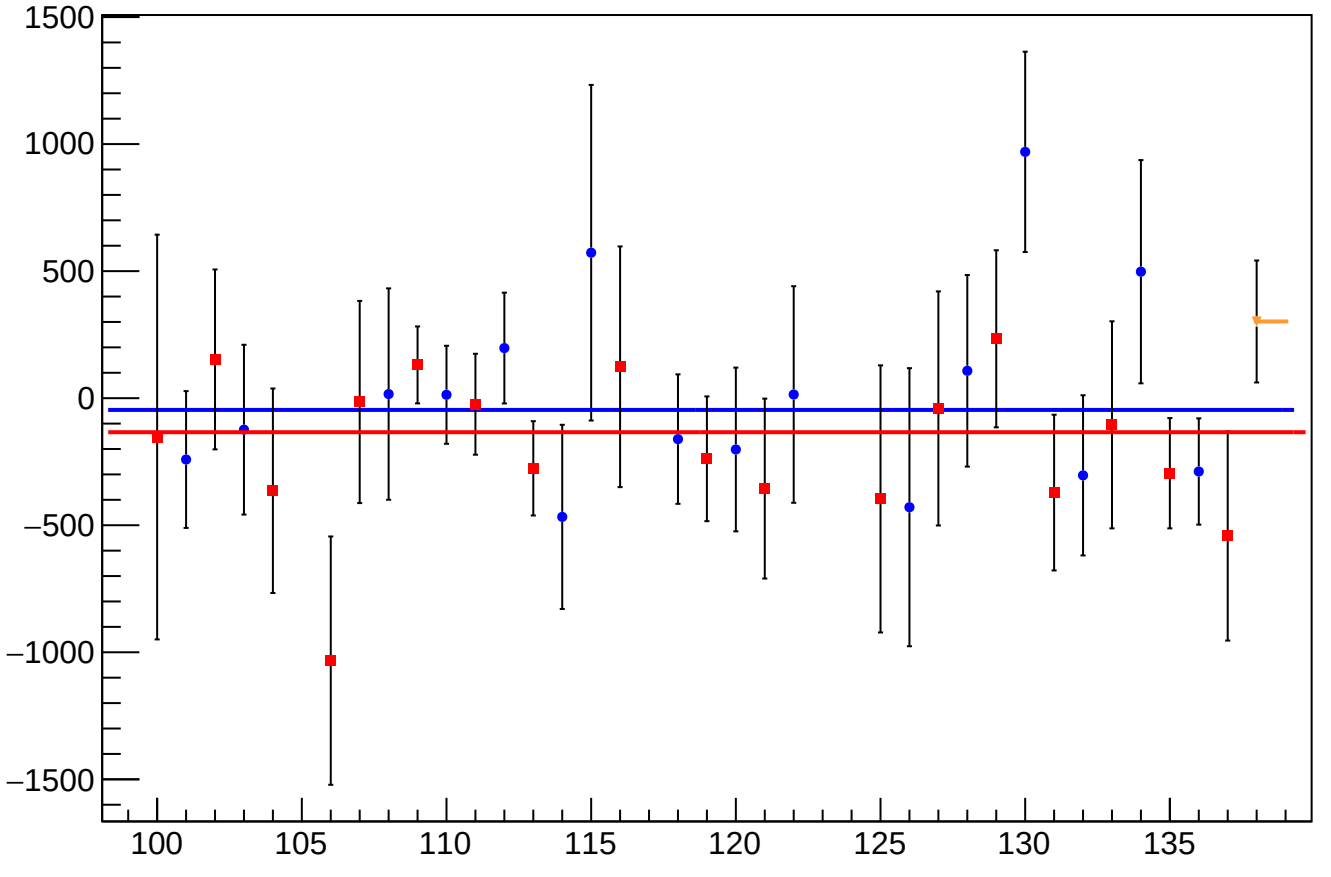
Left: 136.169+/-0.110 χ^2/NDF: 0.0/0

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 136.383+/-0.038 χ^2/NDF:796855.7/15

Out: 134.757+/-0.035 χ^2/NDF:919789.5/19

All: 135.504+/-0.026 χ^2/NDF: 1717646.5/35



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 301.835+/-239.973 χ^2/NDF:0.0/0

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

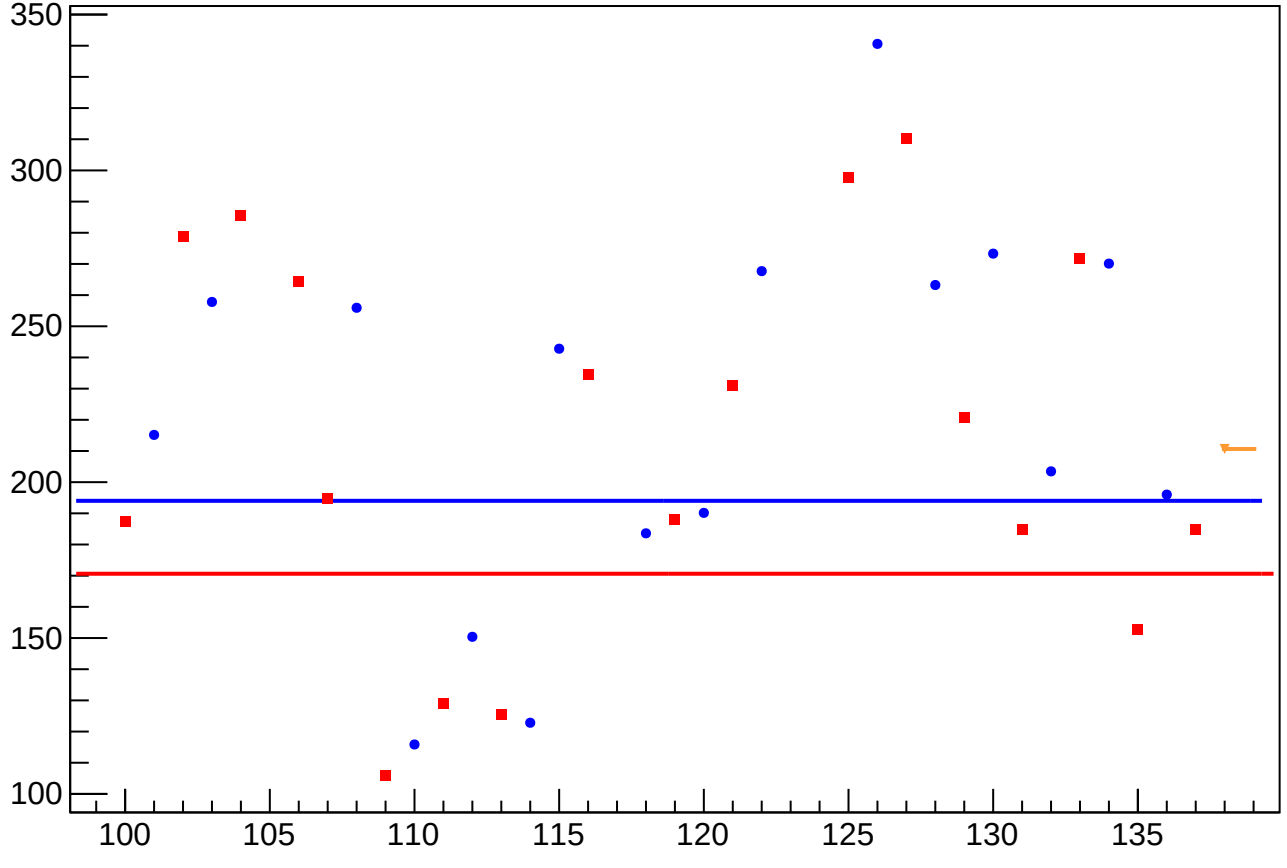
Left: 301.835+/-239.973 χ^2/NDF: 0.0/0

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: -46.199+/-76.283 χ^2/NDF:15.5/15

Out: -101.159+/-65.792 χ^2/NDF:15.9/18

All: -77.715+/-49.822 χ^2/NDF: 31.6/34



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 210.648+/-0.170 χ^2/NDF:0.0/0

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

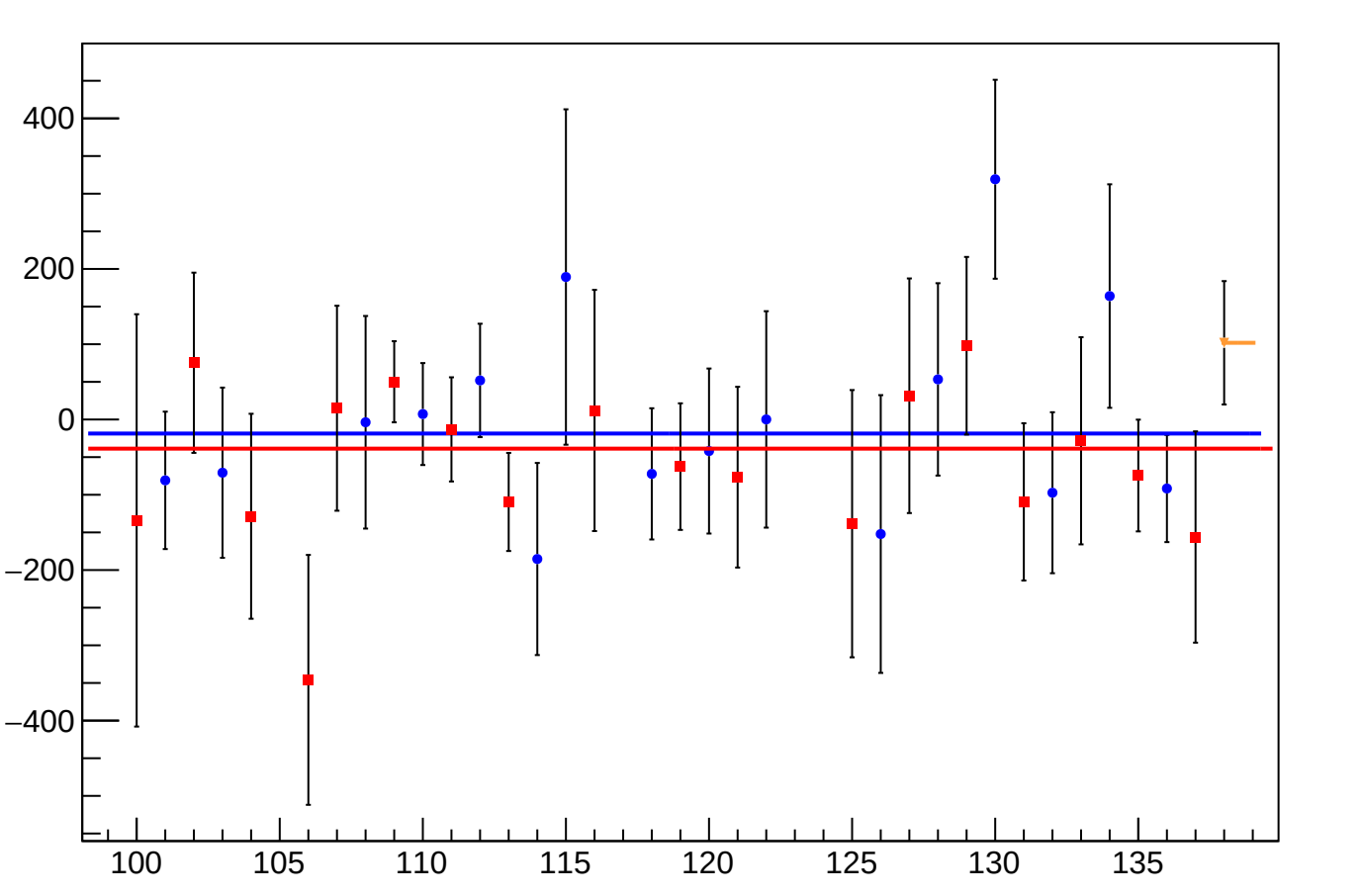
Left: 210.648+/-0.170 χ^2/NDF: 0.0/0

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 194.017+/-0.054 χ^2/NDF:1043588.7/15

Out: 173.632+/-0.047 χ^2/NDF:1645189.4/18

All: 182.327+/-0.035 χ^2/NDF: 2770676.7/34



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 101.896+/-81.956 χ^2/NDF:0.0/0

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

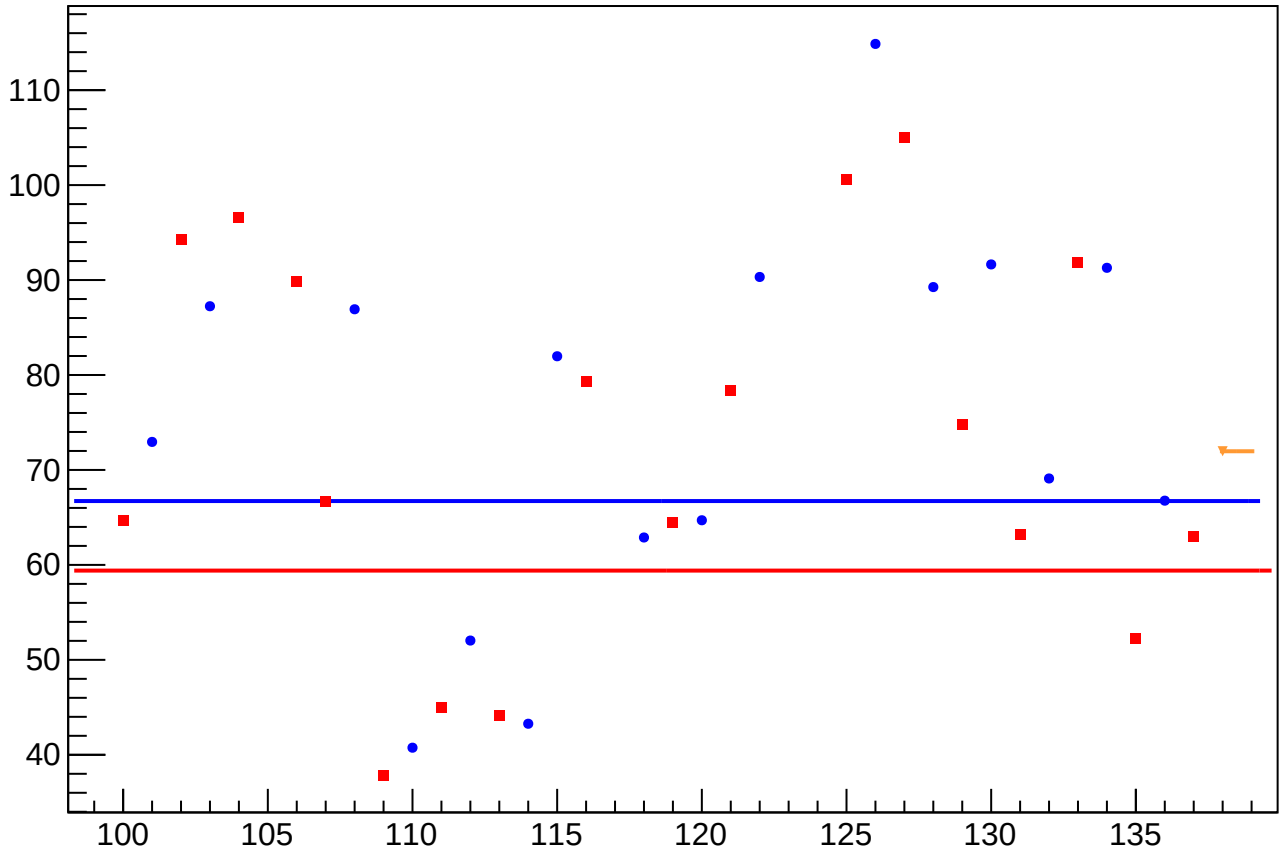
Left: 101.896+/-81.956 χ^2/NDF: 0.0/0

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: -18.645+/-26.122 χ^2/NDF:15.2/15

Out: -27.906+/-22.724 χ^2/NDF:15.3/18

All: -23.916+/-17.145 χ^2/NDF: 30.6/34



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 71.968+/-0.058 χ^2/NDF:0.0/0

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

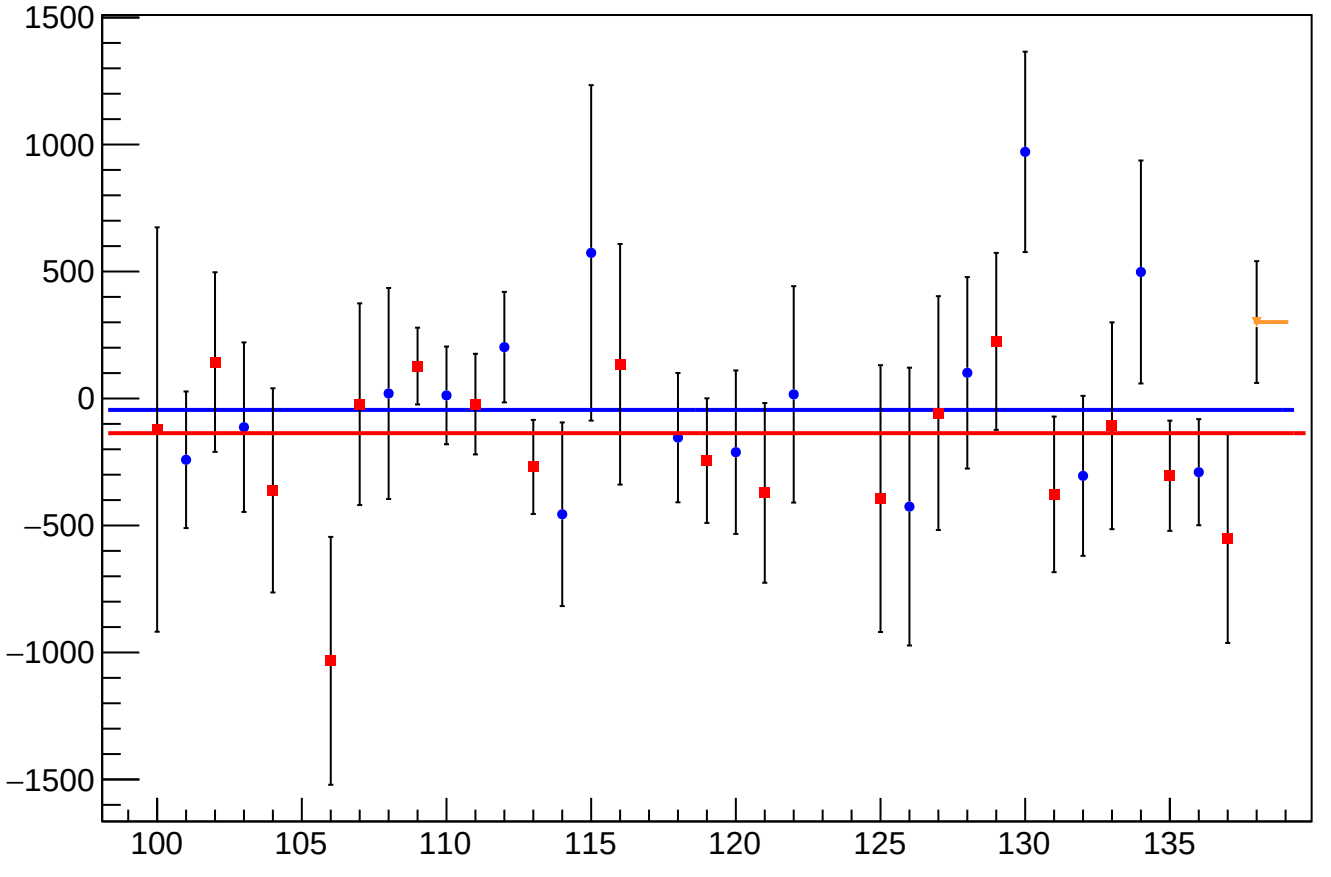
Left: 71.968+/-0.058 χ^2/NDF: 0.0/0

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 66.724+/-0.018 χ^2/NDF:947040.2/15

Out: 60.367+/-0.016 χ^2/NDF:1488787.9/18

All: 63.105+/-0.012 χ^2/NDF: 2503260.4/34



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 301.038+/-239.739 χ^2/NDF:0.0/0

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

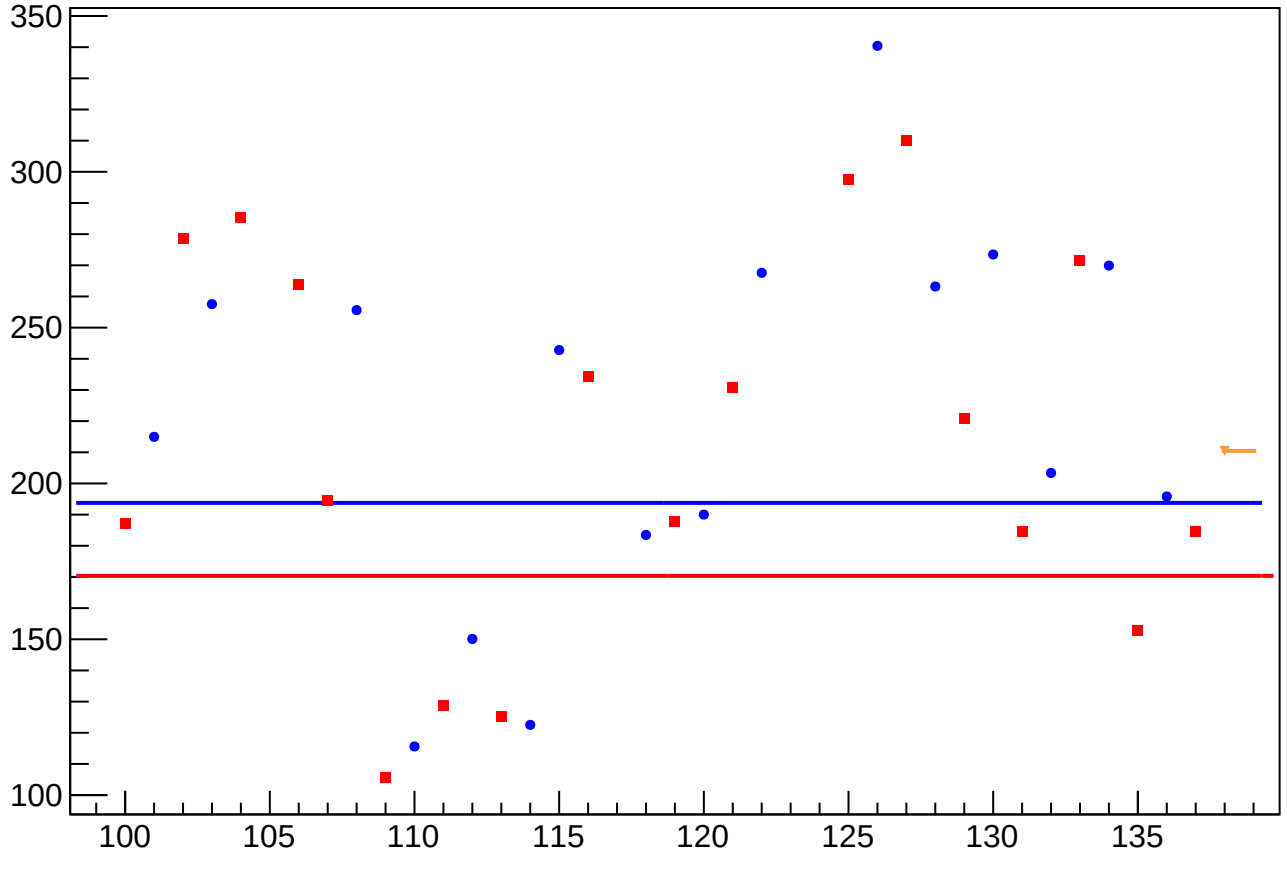
Left: 301.038+/-239.739 χ^2/NDF: 0.0/0

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: -44.917+/-76.198 χ^2/NDF:15.5/15

Out: -103.707+/-65.706 χ^2/NDF:15.9/18

All: -78.635+/-49.761 χ^2/NDF: 31.7/34



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 210.443+/-0.170 χ^2/NDF:0.0/0

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

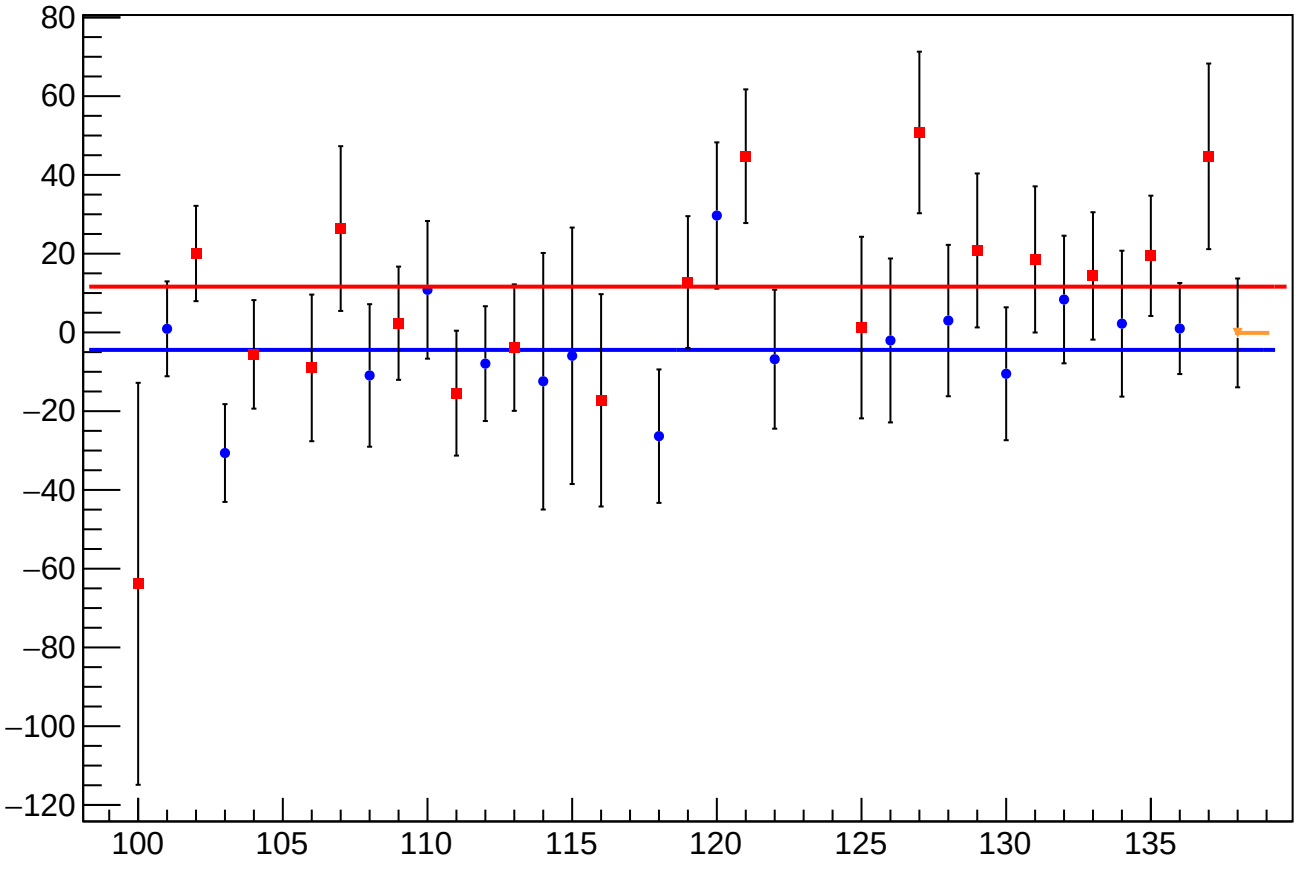
Left: 210.443+/-0.170 χ^2/NDF: 0.0/0

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 193.768+/-0.054 χ^2/NDF:1048095.1/15

Out: 173.369+/-0.046 χ^2/NDF:1650739.8/18

All: 182.068+/-0.035 χ^2/NDF: 2781044.2/34



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -0.120+/-13.821 χ^2/NDF:0.0/0

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.120+/-13.821 χ^2/NDF: 0.0/0

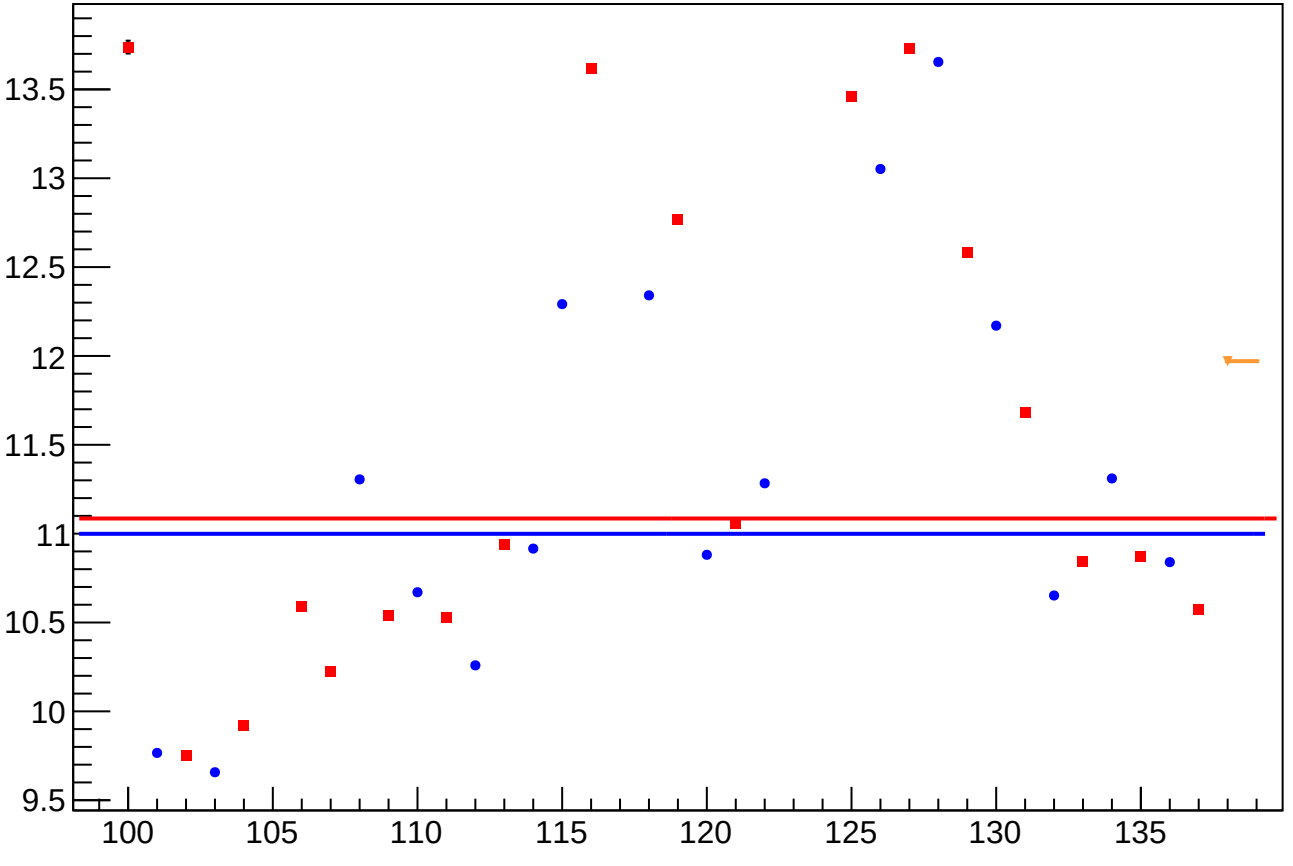
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -4.440+/-4.131 χ^2/NDF:12.0/15

Out: 10.661+/-3.963 χ^2/NDF:22.3/18

All: 3.424+/-2.860 χ^2/NDF: 41.2/34

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.971+/-0.010 χ^2/NDF:0.0/0

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

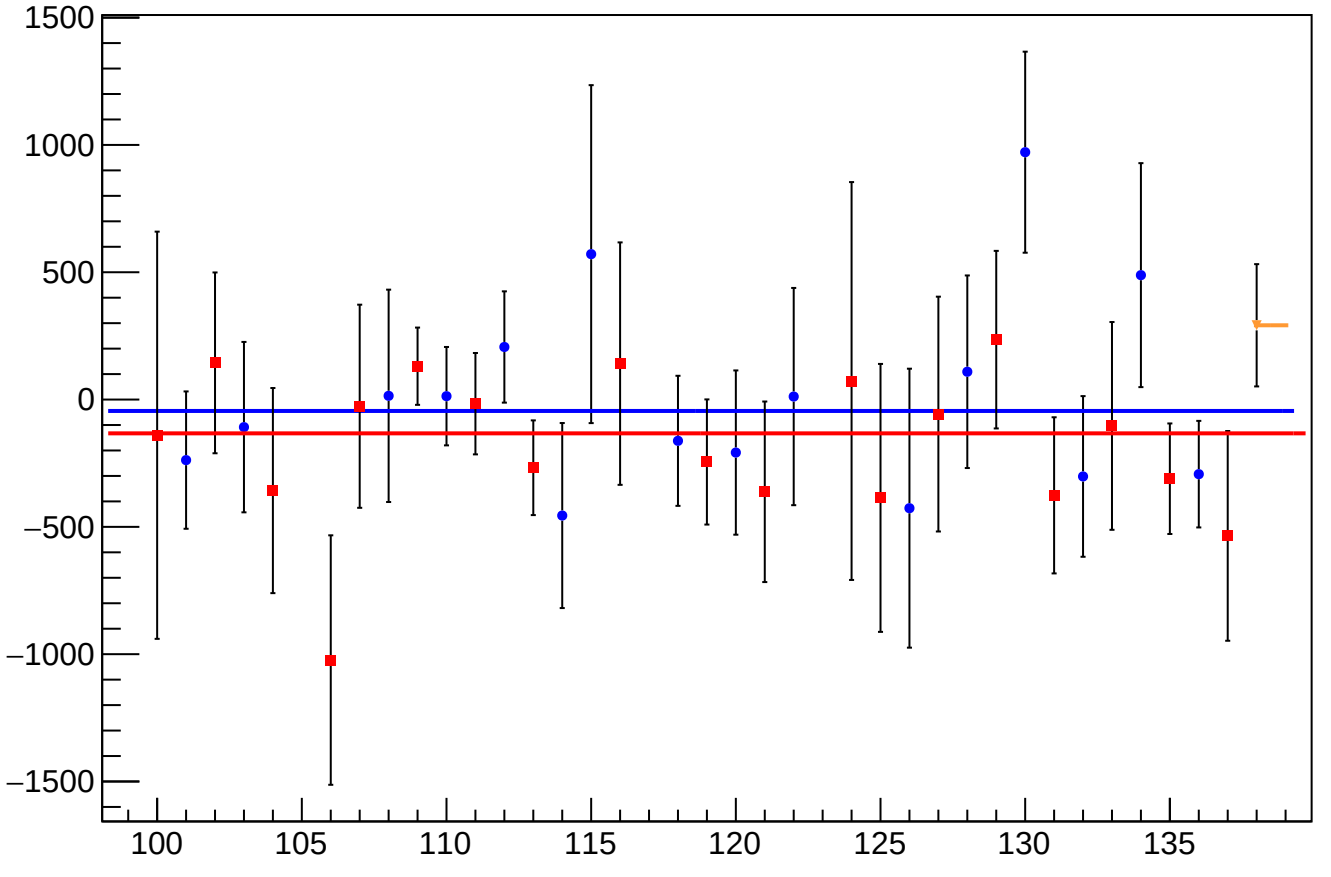
Left: 11.971+/-0.010 χ^2/NDF: 0.0/0

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 10.999+/-0.003 χ^2/NDF:136159.2/15

Out: 11.158+/-0.003 χ^2/NDF:169738.6/18

All: 11.082+/-0.002 χ^2/NDF: 307442.0/34



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 291.677+/-240.125 χ^2/NDF:0.0/0

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

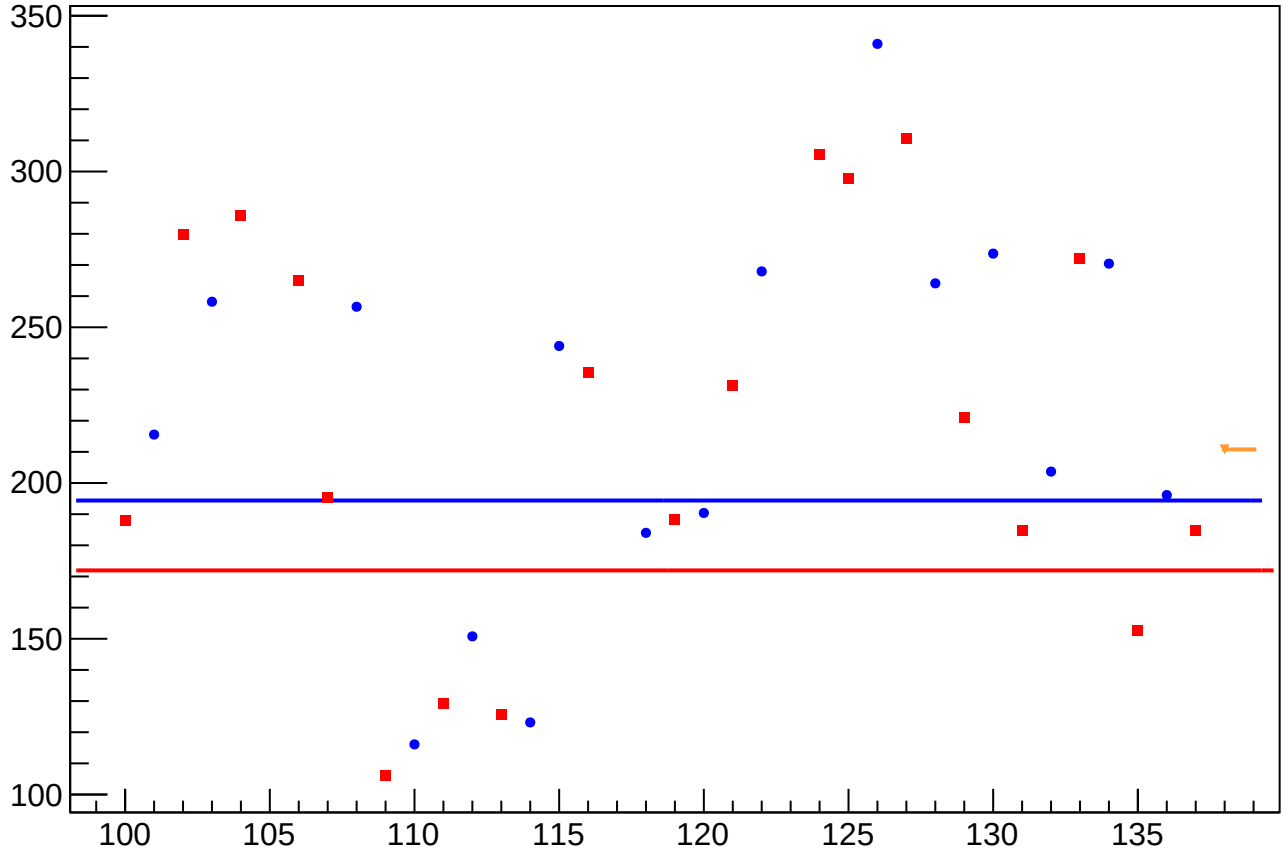
Left: 291.677+/-240.125 χ^2/NDF: 0.0/0

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: -44.797+/-76.424 χ^2/NDF:15.4/15

Out: -100.990+/-65.667 χ^2/NDF:15.7/19

All: -77.123+/-49.806 χ^2/NDF: 31.5/35



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 210.780+/-0.170 χ^2/NDF:0.0/0

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

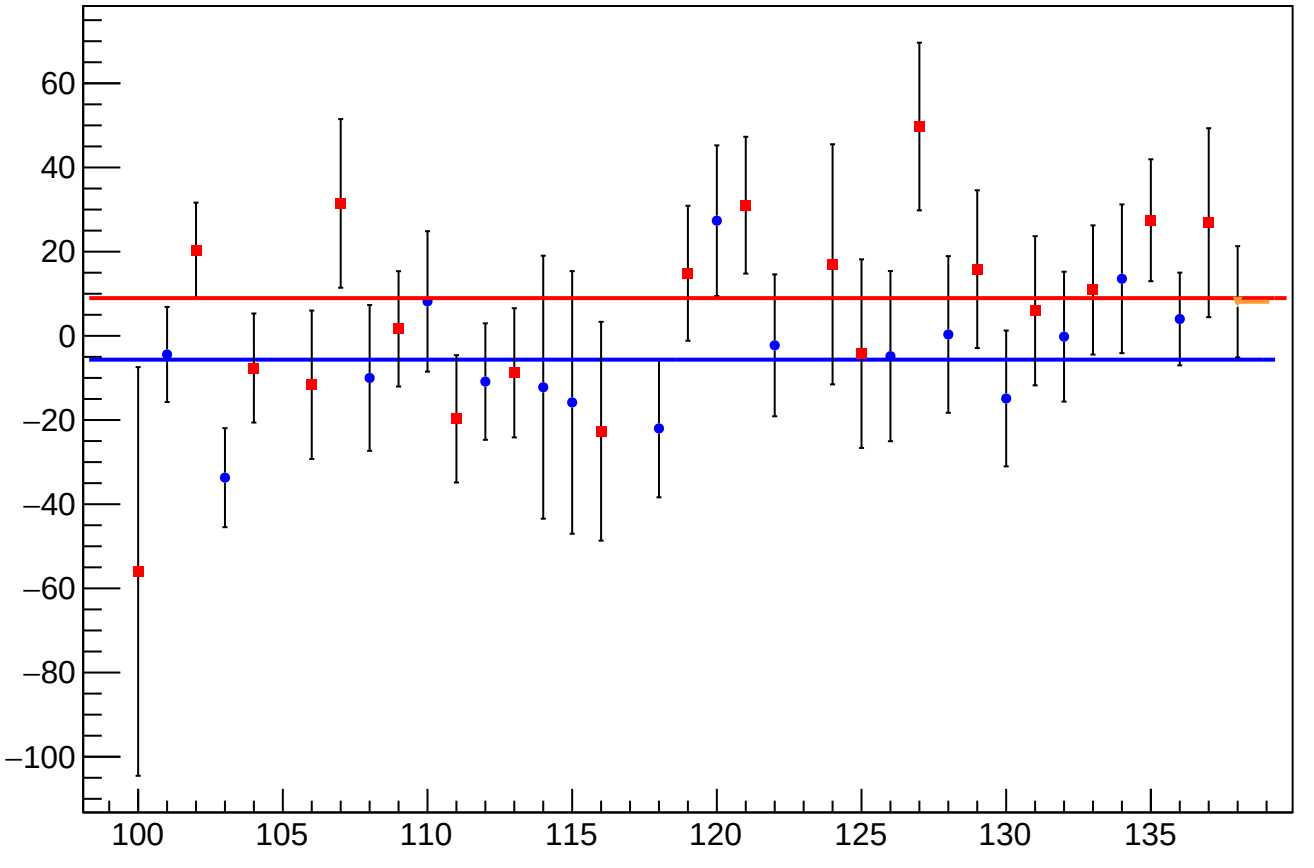
Left: 210.780+/-0.170 χ^2/NDF: 0.0/0

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 194.385+/-0.054 χ^2/NDF:1042024.1/15

Out: 174.853+/-0.046 χ^2/NDF:1699734.2/19

All: 183.149+/-0.035 χ^2/NDF: 2816912.1/35



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 8.096+/-13.216 χ^2/NDF:0.0/0

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

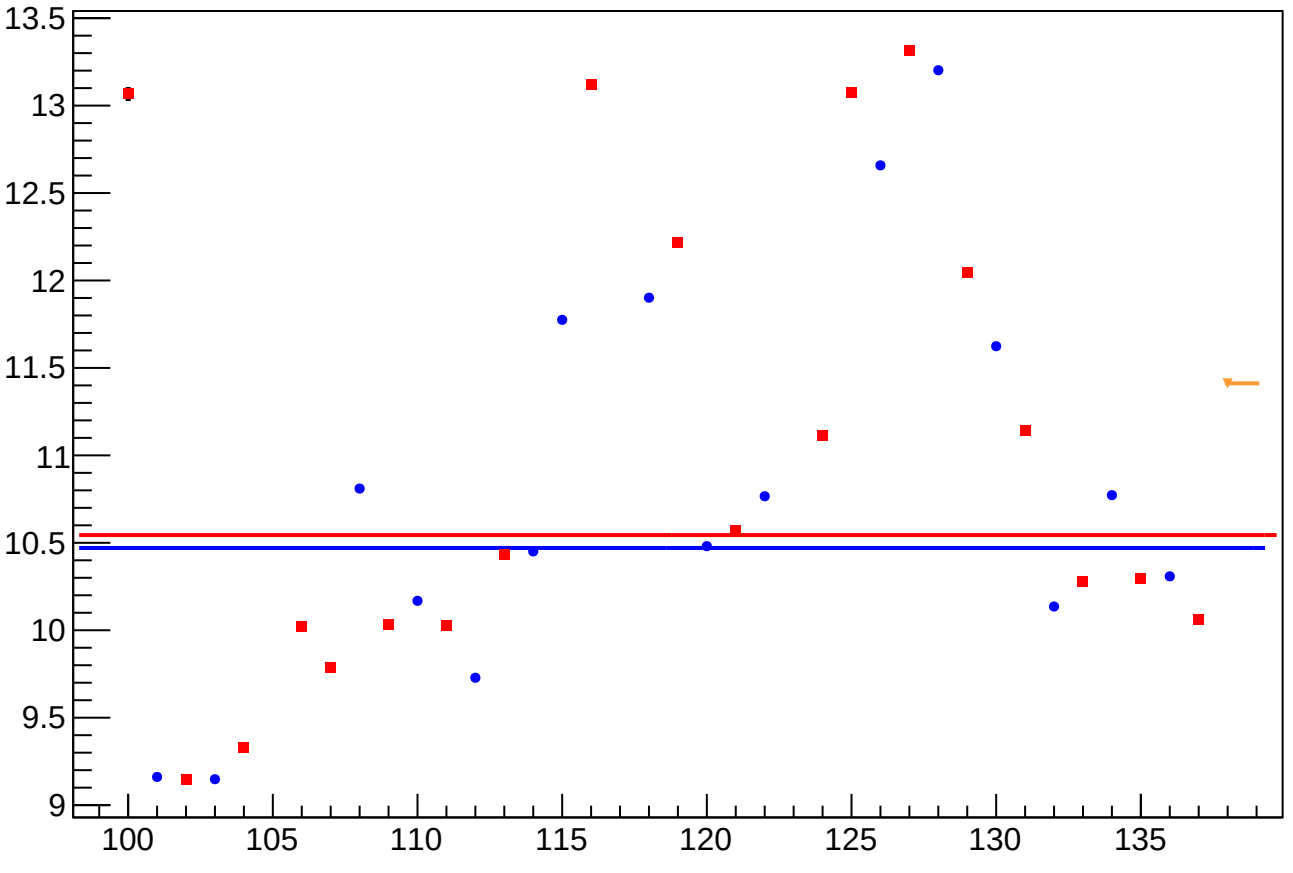
Left: 8.096+/-13.216 χ^2/NDF: 0.0/0

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -5.657+/-3.939 χ^2/NDF:13.7/15

Out: 8.891+/-3.741 χ^2/NDF:22.8/19

All: 1.991+/-2.713 χ^2/NDF: 43.6/35



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 11.412+/-0.009 χ^2/NDF:0.0/0

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

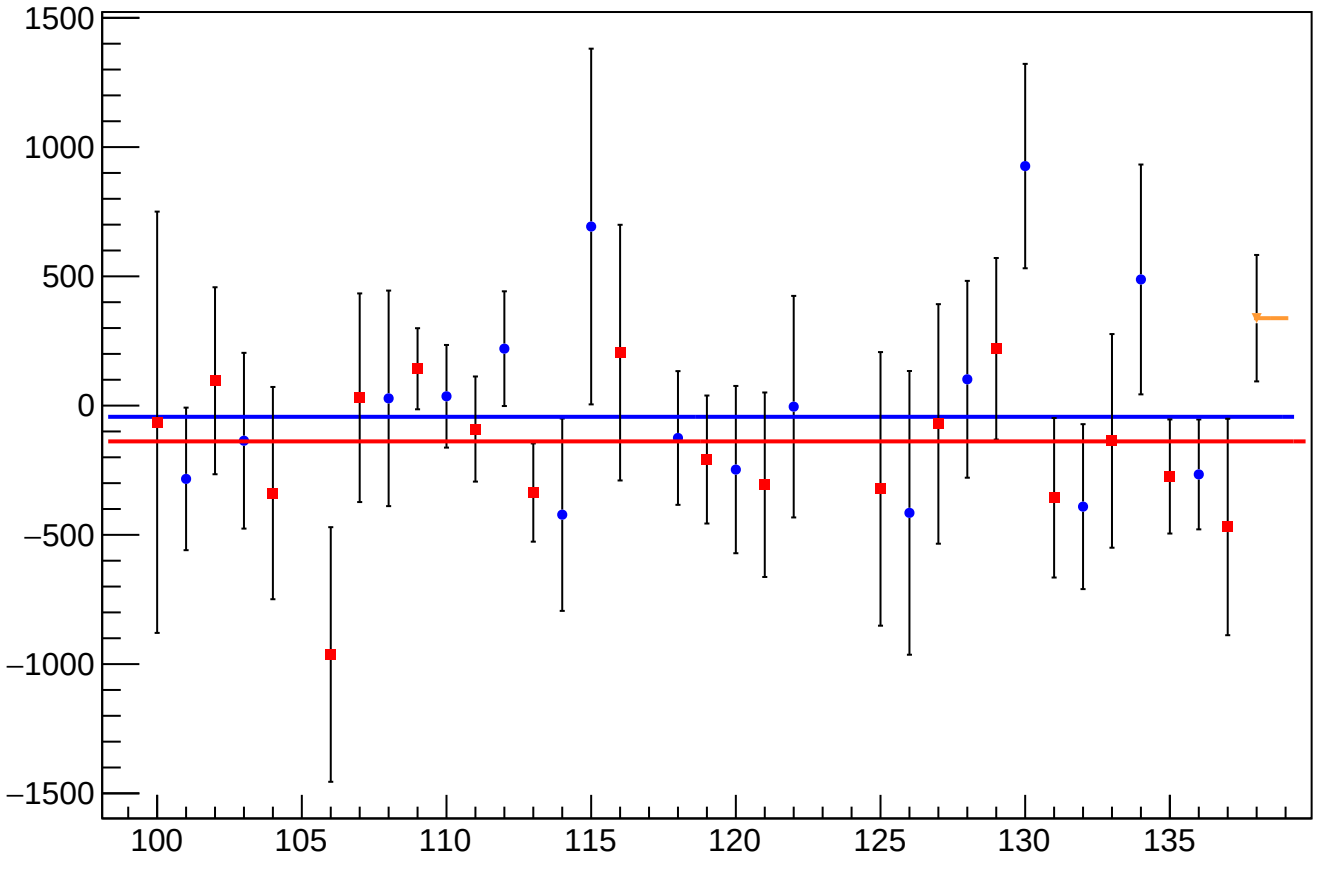
Left: 11.412+/-0.009 χ^2/NDF: 0.0/0

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.471+/-0.003 χ^2/NDF:157365.8/15

Out: 10.614+/-0.003 χ^2/NDF:194706.8/19

All: 10.546+/-0.002 χ^2/NDF: 353463.8/35



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 338.188+/-244.573 χ^2/NDF:0.0/0

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

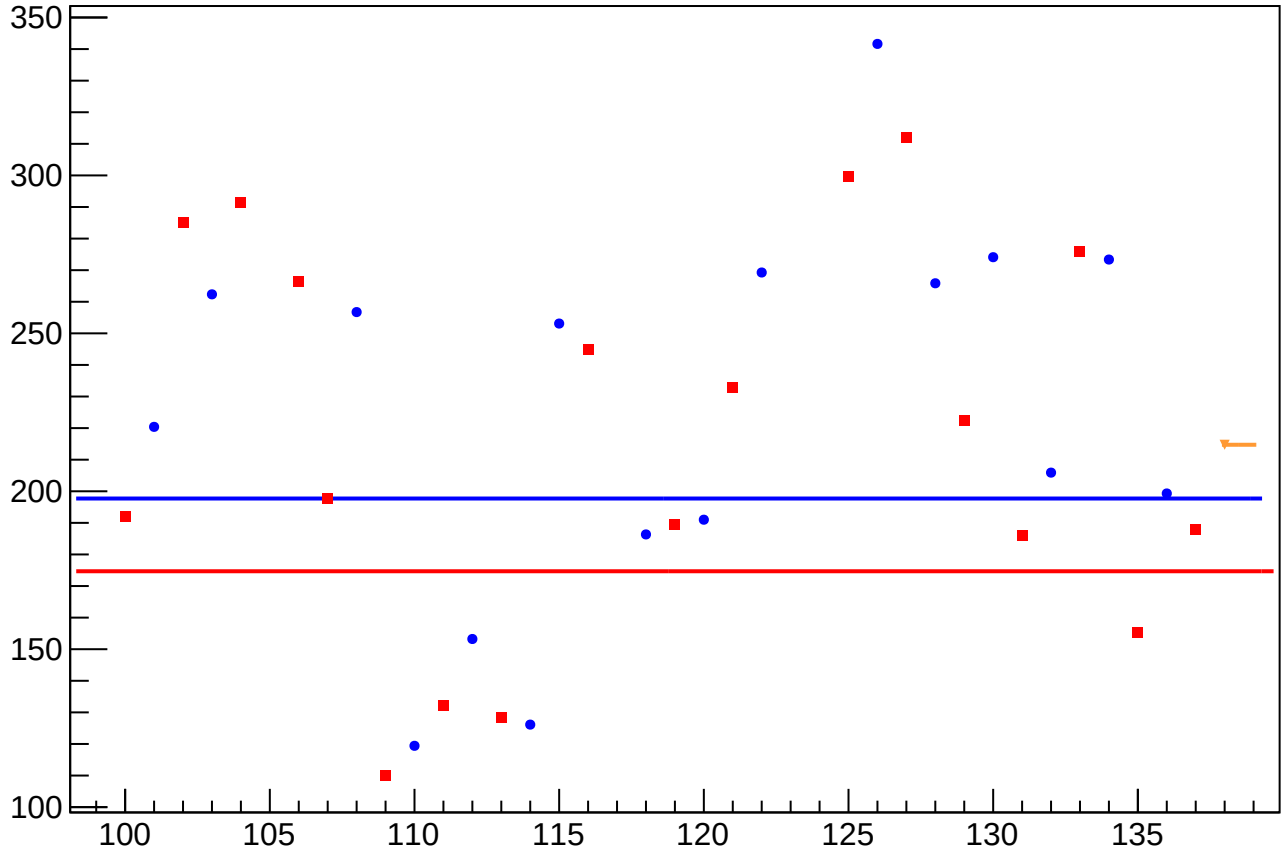
Left: 338.188+/-244.573 χ^2/NDF: 0.0/0

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: -43.384+/-77.584 χ^2/NDF:15.5/15

Out: -102.524+/-67.149 χ^2/NDF:15.0/18

All: -77.196+/-50.773 χ^2/NDF: 30.8/34



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 214.726+/-0.173 χ^2/NDF:0.0/0

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

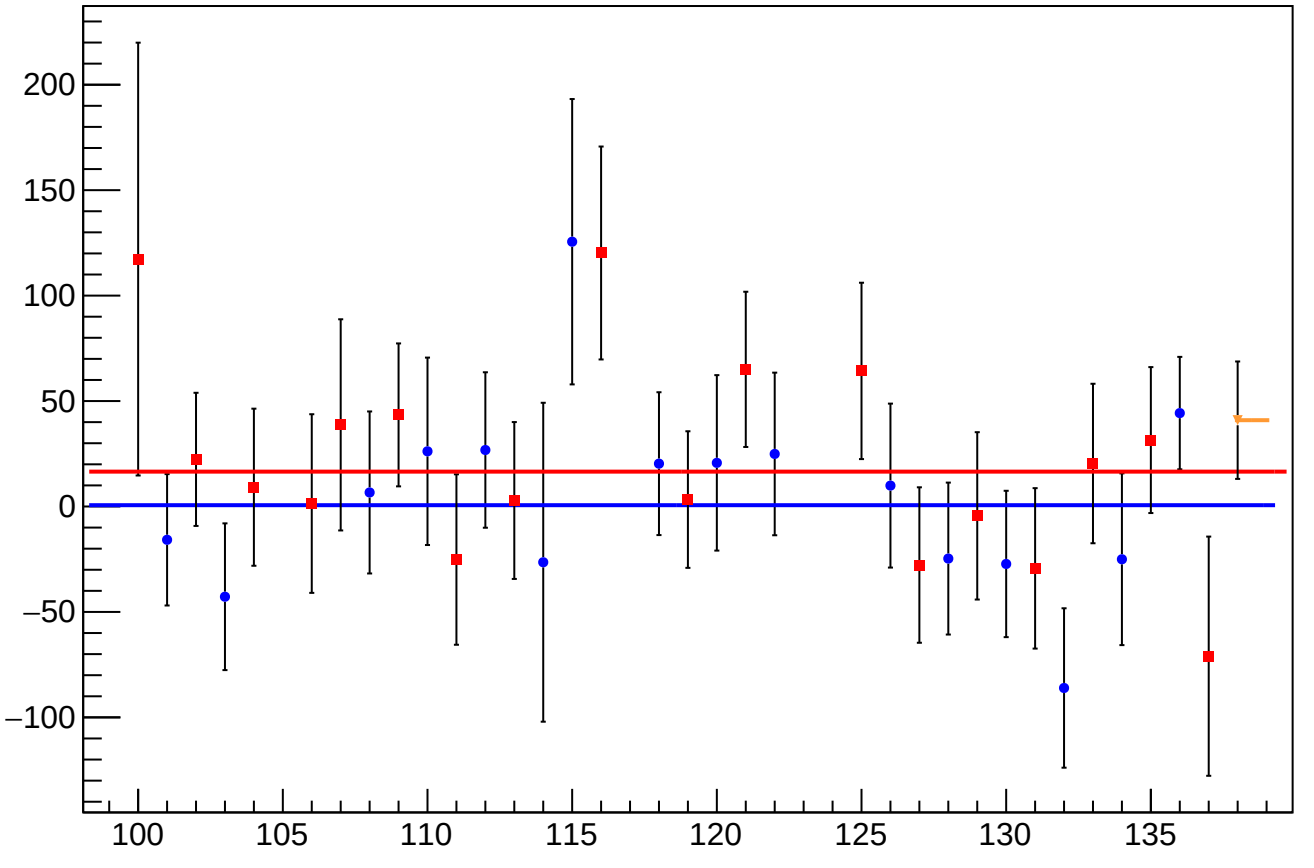
Left: 214.726+/-0.173 χ^2/NDF: 0.0/0

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 197.707+/-0.055 χ^2/NDF:1000324.6/15

Out: 177.698+/-0.047 χ^2/NDF:1584331.7/18

All: 186.267+/-0.036 χ^2/NDF: 2660714.5/34



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 40.923+/-27.843 χ^2/NDF:0.0/0

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

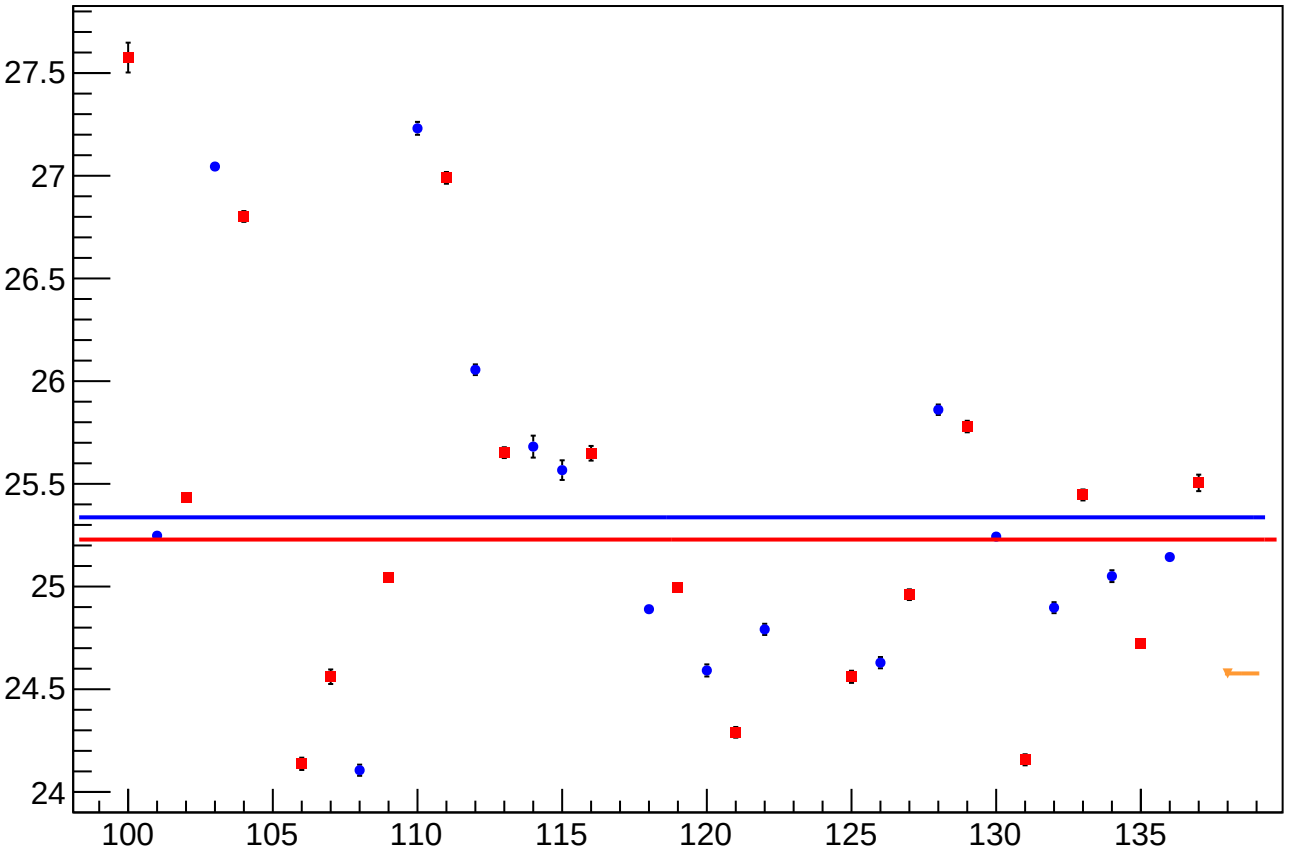
Left: 40.923+/-27.843 χ^2/NDF: 0.0/0

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 0.619+/-9.421 χ^2/NDF:16.7/15

Out: 18.985+/-8.827 χ^2/NDF:17.1/18

All: 10.400+/-6.441 χ^2/NDF: 35.8/34



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 24.577+/-0.020 χ^2/NDF:0.0/0

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 24.577+/-0.020 χ^2/NDF: 0.0/0

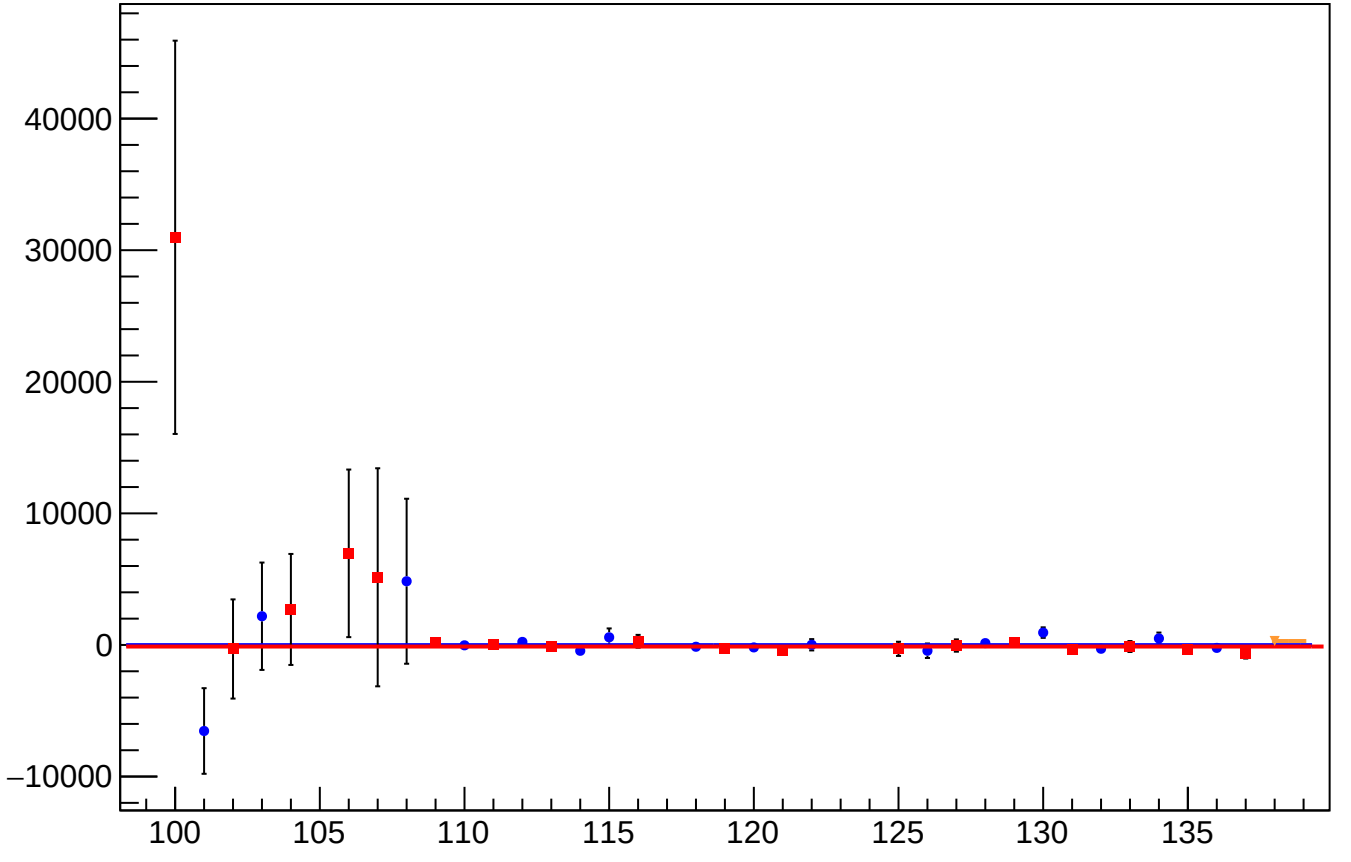
Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.337+/-0.007 χ^2/NDF:14315.0/15

Out: 25.163+/-0.006 χ^2/NDF:16162.1/18

All: 25.244+/-0.005 χ^2/NDF: 30839.3/34

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 300.873+/-239.843 χ^2/NDF:0.0/0

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

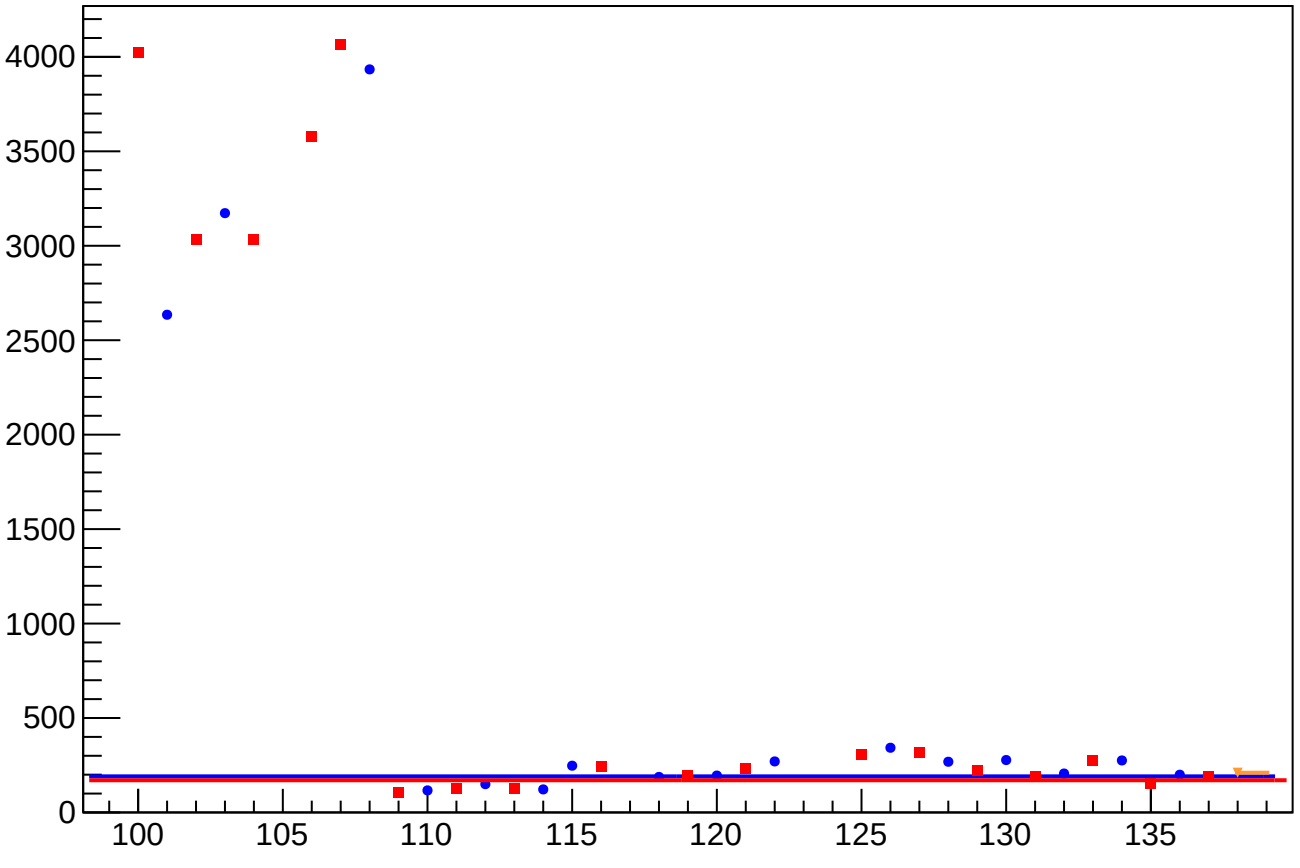
Left: 300.873+/-239.843 χ^2/NDF: 0.0/0

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: -13.160+/-84.454 χ^2/NDF:18.3/15

Out: -79.499+/-74.389 χ^2/NDF:17.2/18

All: -50.517+/-55.822 χ^2/NDF: 35.8/34



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 210.354+/-0.170 χ^2/NDF:0.0/0

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 210.354+/-0.170 χ^2/NDF: 0.0/0

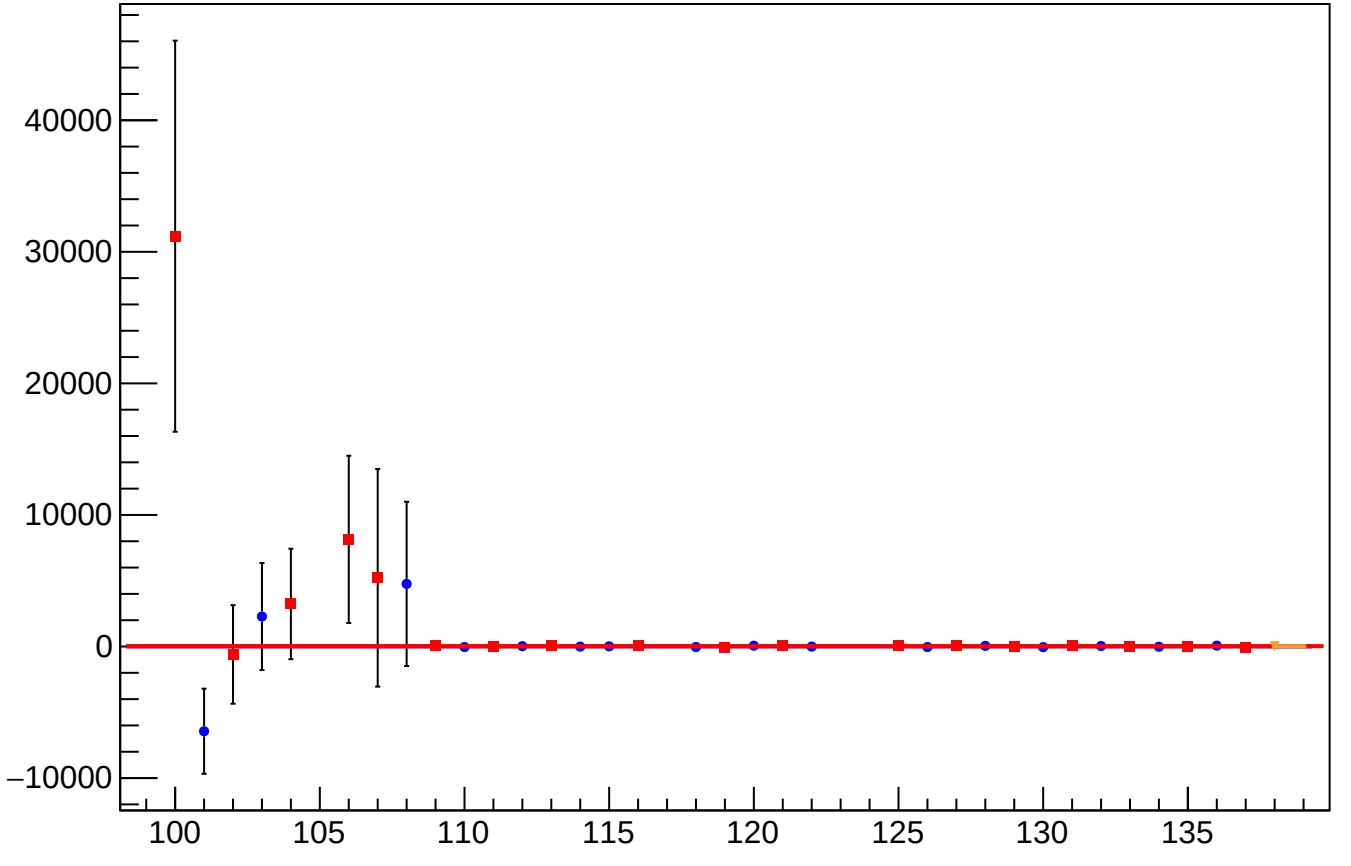
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 191.070+/-0.060 χ^2/NDF:3833952.4/15

Out: 174.328+/-0.053 χ^2/NDF:4304748.4/18

All: 181.642+/-0.039 χ^2/NDF: 8182958.3/34

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: 19.896+/-31.961 χ^2/NDF:0.0/0

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

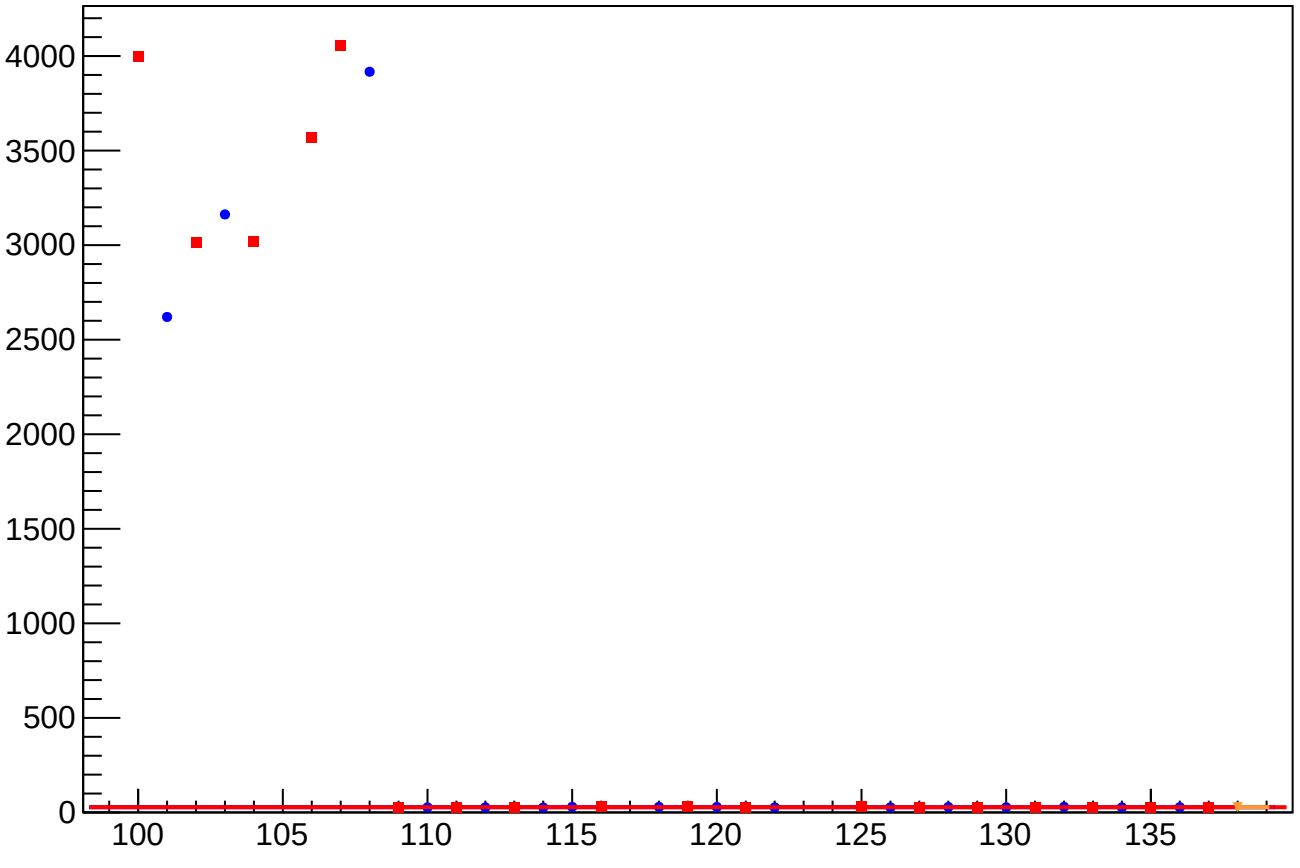
Left: 19.896+/-31.961 χ^2/NDF: 0.0/0

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 6.490+/-11.764 χ^2/NDF:18.3/15

Out: 29.384+/-11.303 χ^2/NDF:20.0/18

All: 18.394+/-8.151 χ^2/NDF: 40.2/34



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.189+/-0.023 χ^2/NDF:0.0/0

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 28.189+/-0.023 χ^2/NDF: 0.0/0

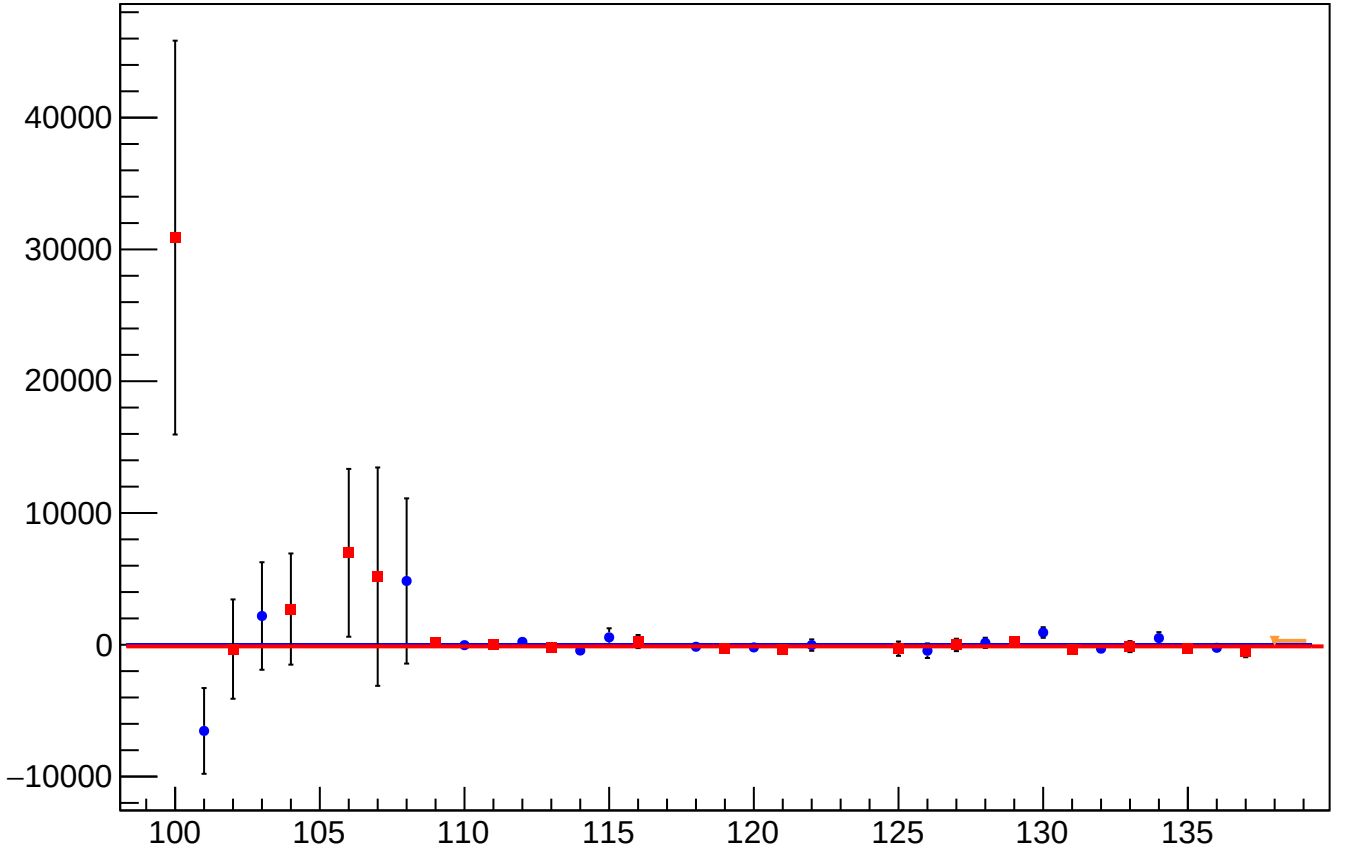
Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 27.825+/-0.008 χ^2/NDF:3265895.3/15

Out: 27.830+/-0.008 χ^2/NDF:3558688.2/18

All: 27.827+/-0.006 χ^2/NDF: 6824583.7/34

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 296.035+/-241.036 χ^2/NDF:0.0/0

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 296.035+/-241.036 χ^2/NDF: 0.0/0

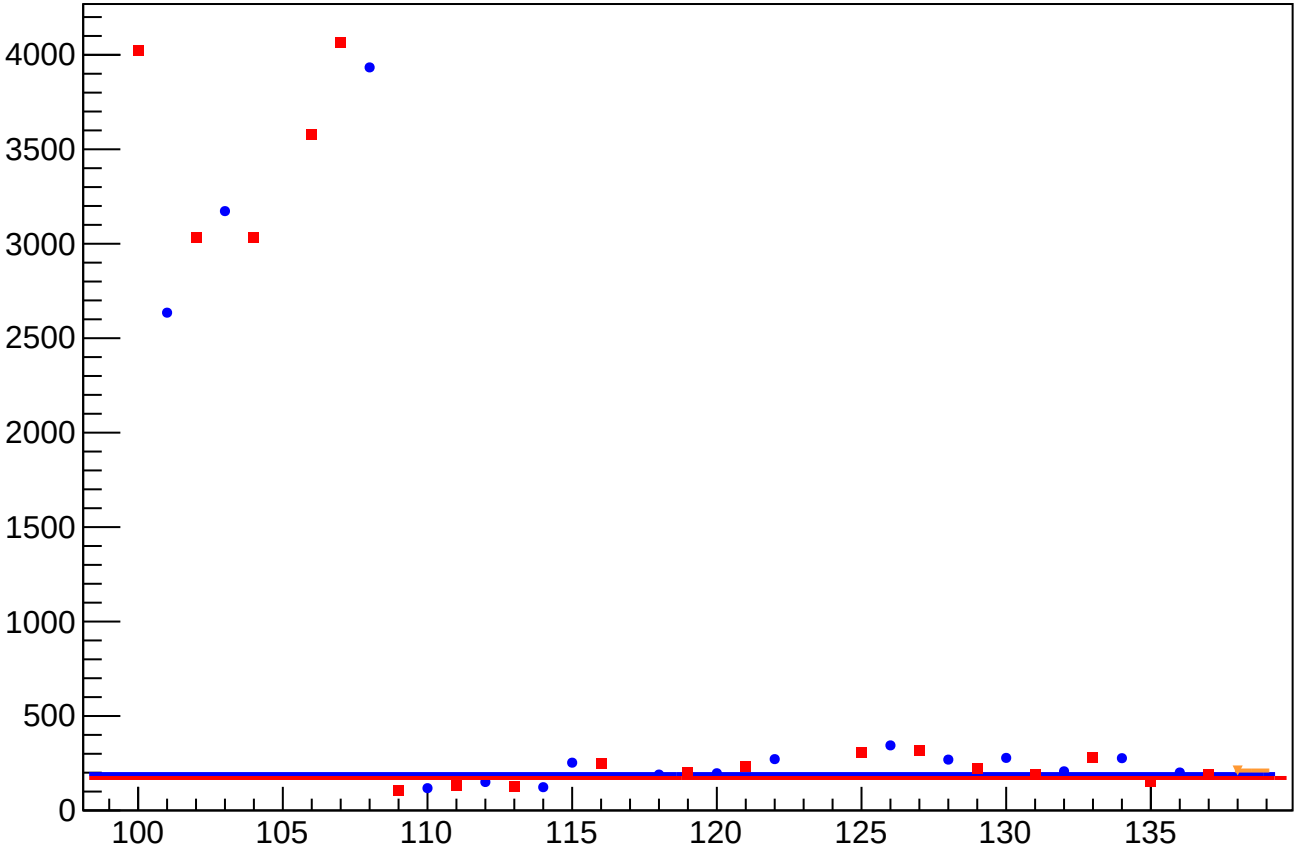
Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: -19.522+/-85.063 χ^2/NDF:18.2/15

Out: -81.183+/-74.937 χ^2/NDF:16.0/18

All: -54.239+/-56.229 χ^2/NDF: 34.4/34

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 211.402+/-0.170 χ^2/NDF:0.0/0

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

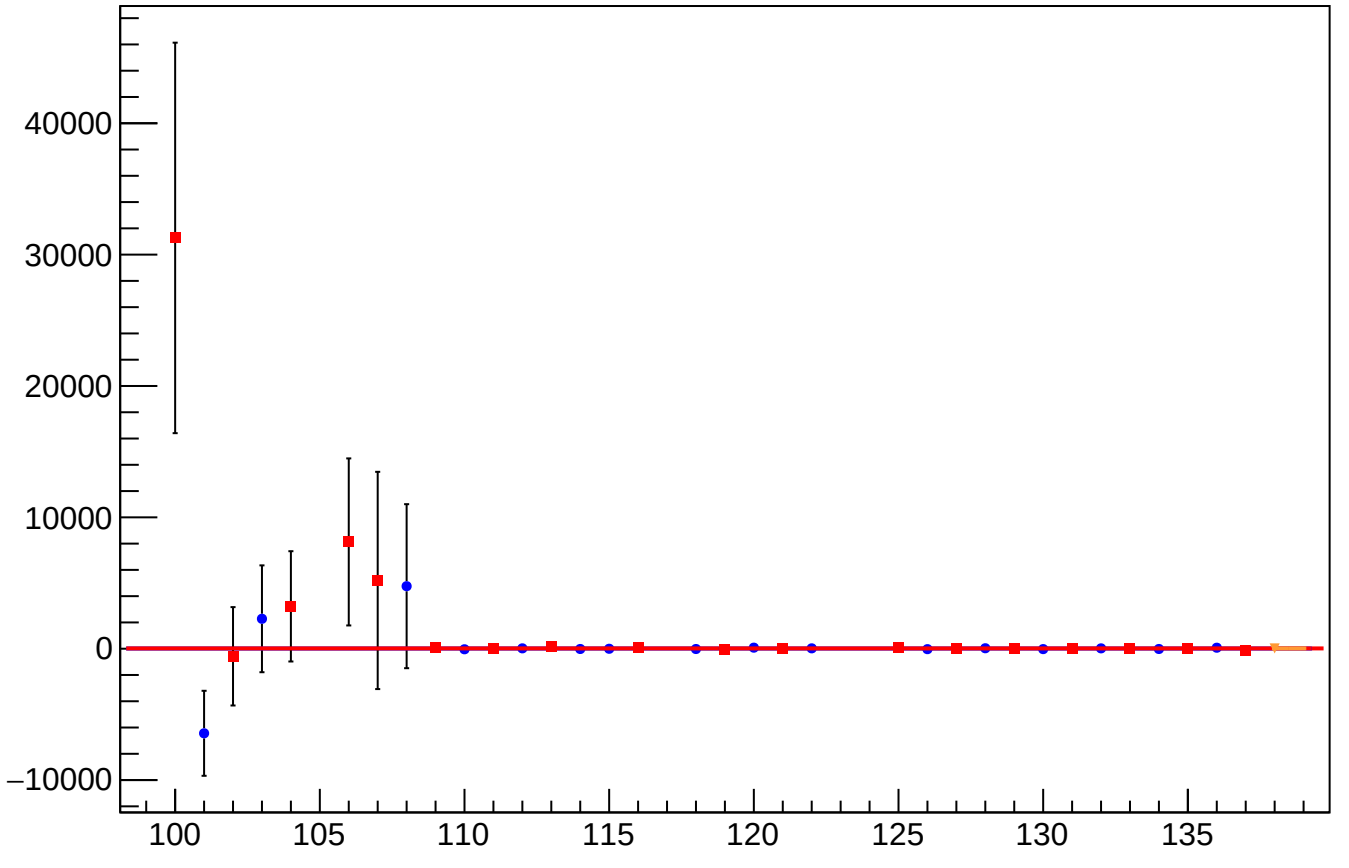
Left: 211.402+/-0.170 χ^2/NDF: 0.0/0

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 192.560+/-0.060 χ^2/NDF:3822789.1/15

Out: 175.717+/-0.053 χ^2/NDF:4296328.0/18

All: 183.077+/-0.040 χ^2/NDF: 8163267.5/34



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: 22.375+/-34.800 χ^2/NDF:0.0/0

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

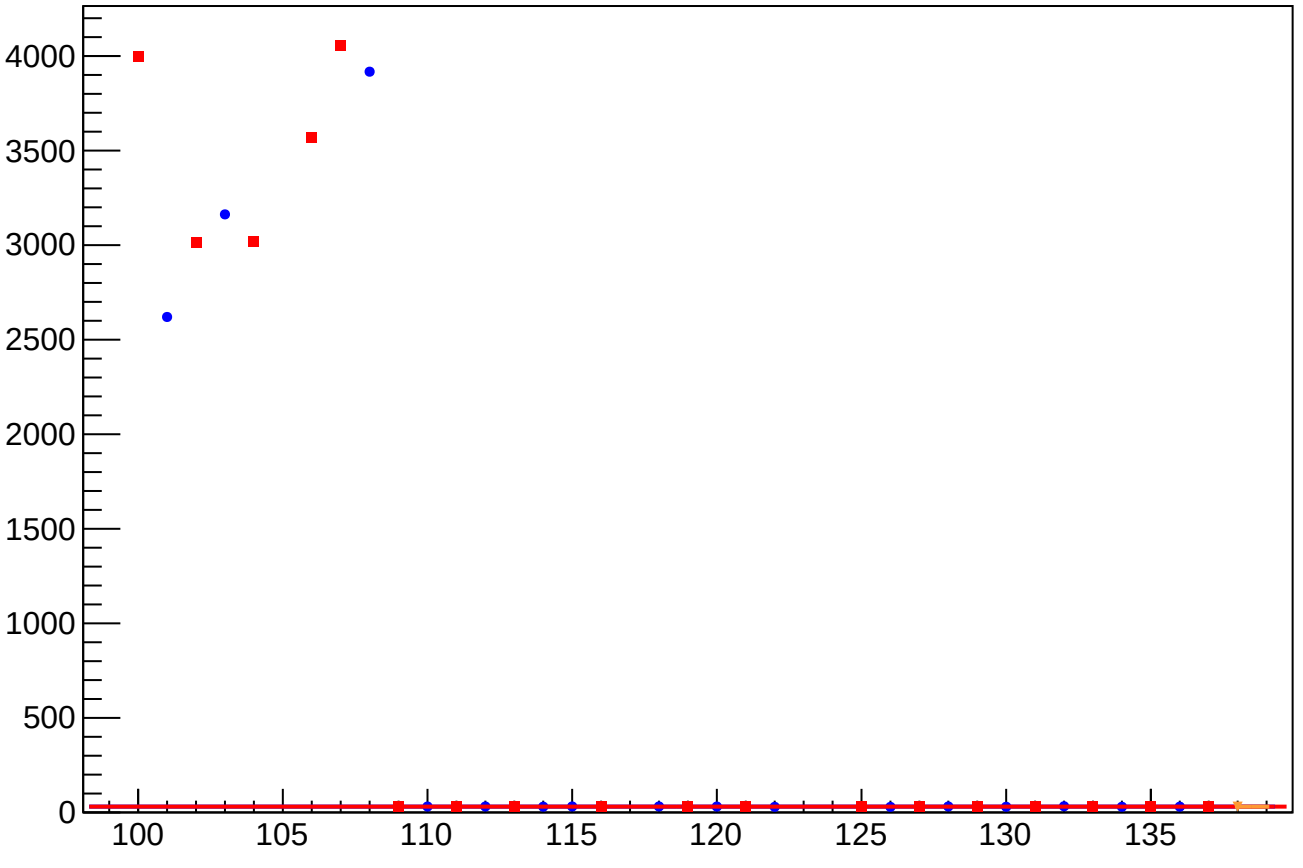
Left: 22.375+/-34.800 χ^2/NDF: 0.0/0

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 13.713+/-13.062 χ^2/NDF:15.5/15

Out: 21.967+/-12.491 χ^2/NDF:28.4/18

All: 18.024+/-9.027 χ^2/NDF: 44.0/34



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 30.708+/-0.025 χ^2/NDF:0.0/0

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

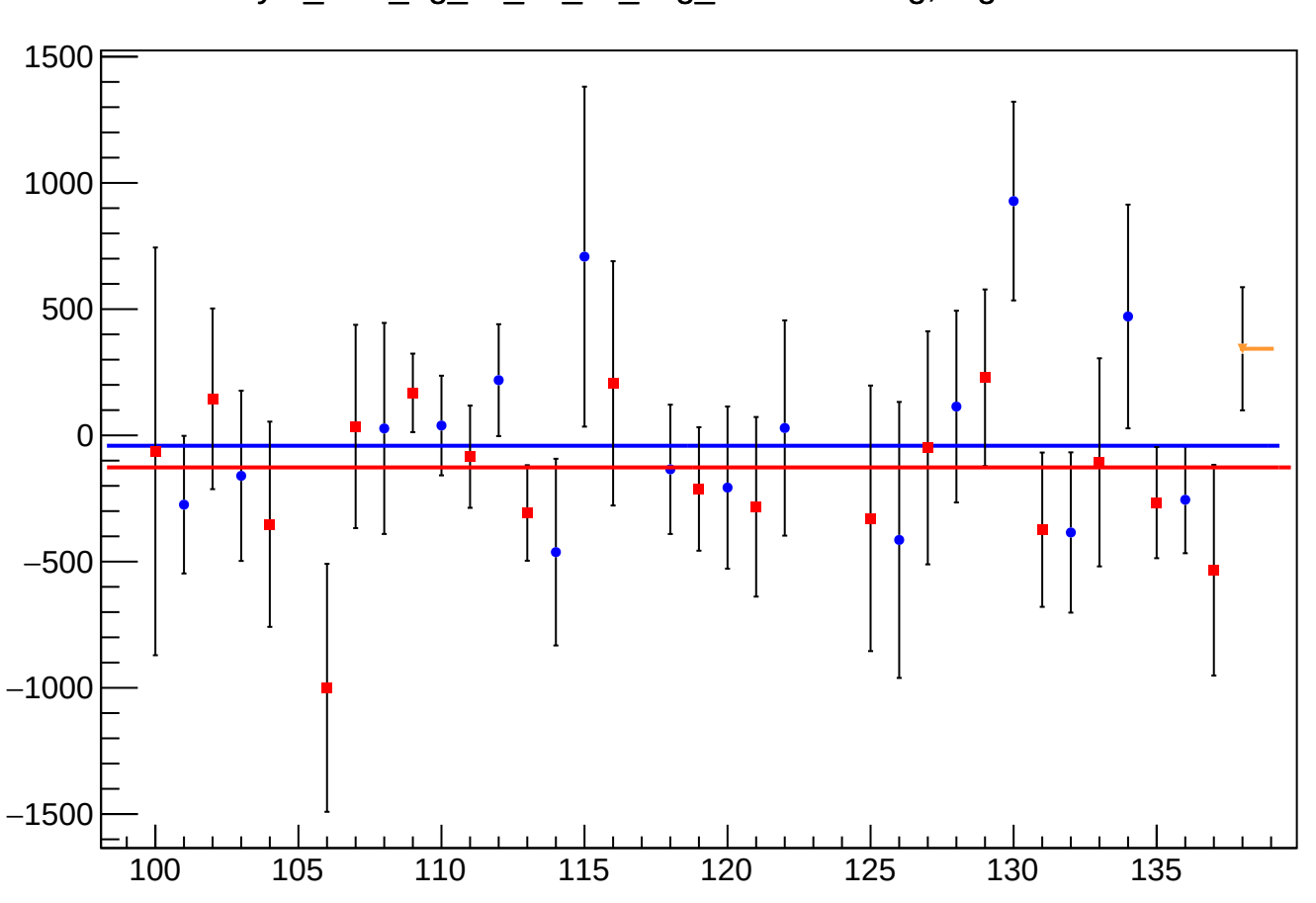
Left: 30.708+/-0.025 χ^2/NDF: 0.0/0

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 30.928+/-0.009 χ^2/NDF:3252607.8/15

Out: 30.792+/-0.009 χ^2/NDF:3535973.2/18

All: 30.857+/-0.006 χ^2/NDF: 6788695.4/34



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 343.110+/-243.899 χ^2/NDF:0.0/0

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

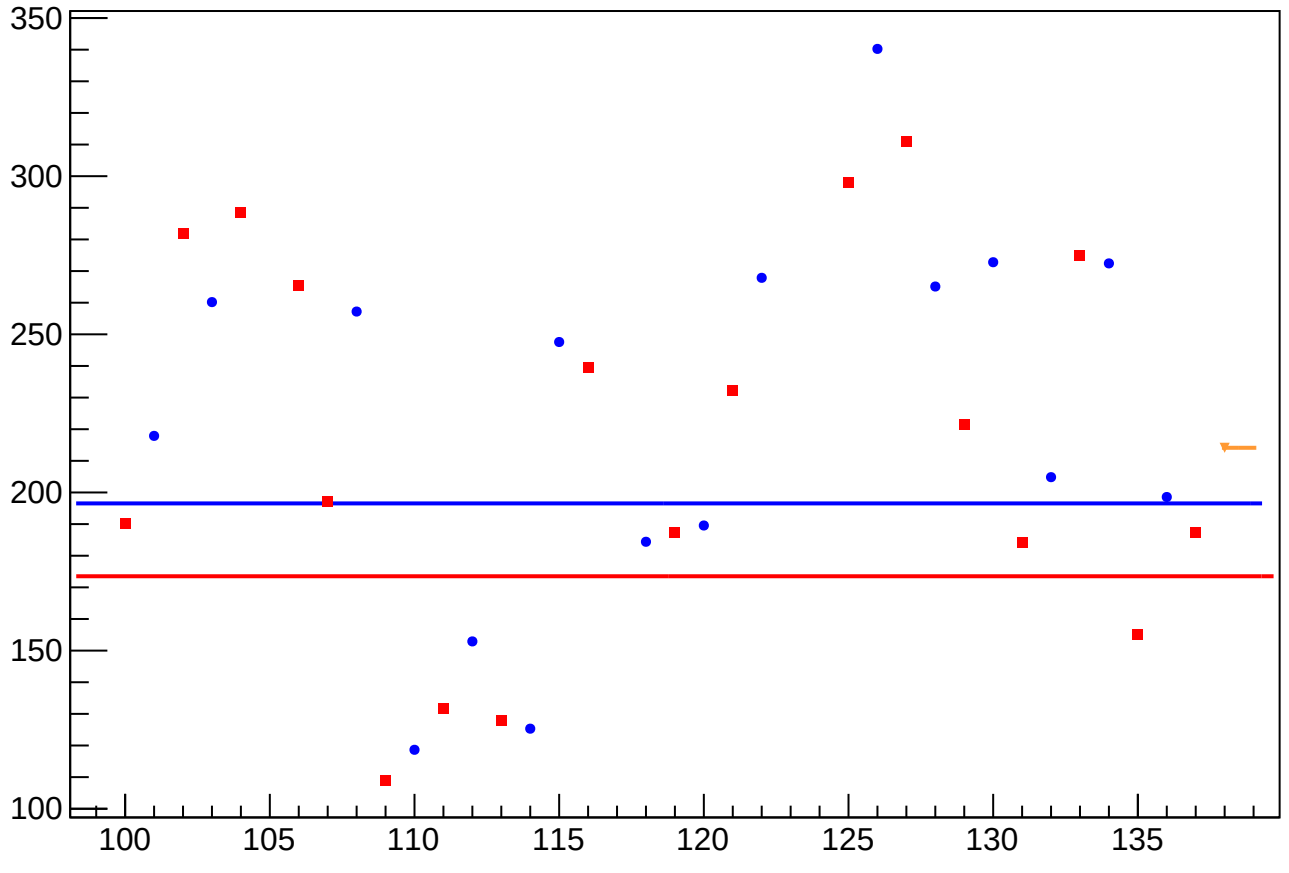
Left: 343.110+/-243.899 χ^2/NDF: 0.0/0

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: -41.114+/-77.139 χ^2/NDF:15.6/15

Out: -91.708+/-66.735 χ^2/NDF:16.2/18

All: -70.051+/-50.469 χ^2/NDF: 32.1/34



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 214.128+/-0.172 χ^2/NDF:0.0/0

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

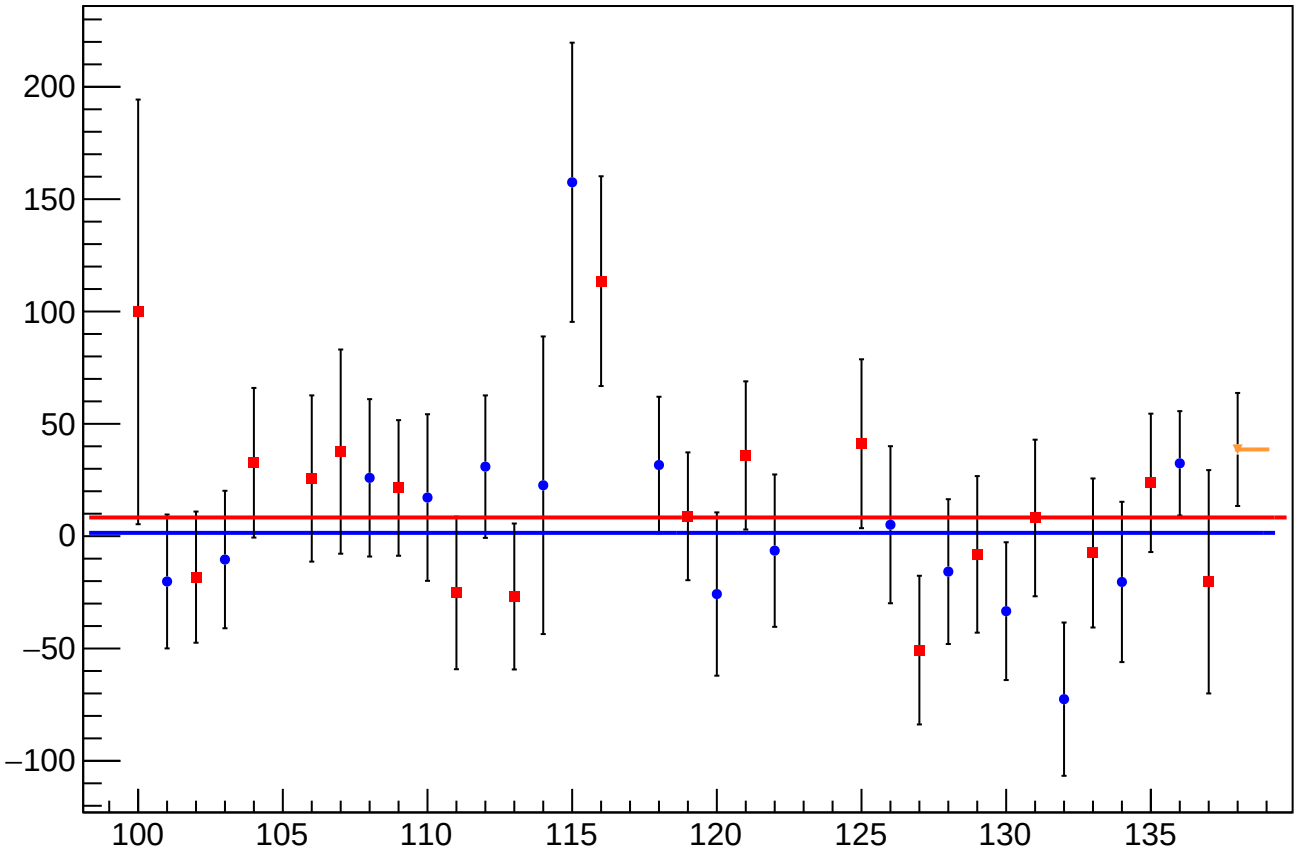
Left: 214.128+/-0.172 χ^2/NDF: 0.0/0

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 196.542+/-0.055 χ^2/NDF:1000770.4/15

Out: 176.550+/-0.047 χ^2/NDF:1584038.3/18

All: 185.108+/-0.036 χ^2/NDF: 2661641.0/34



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 38.596+/-25.155 χ^2/NDF:0.0/0

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 38.596+/-25.155 χ^2/NDF: 0.0/0

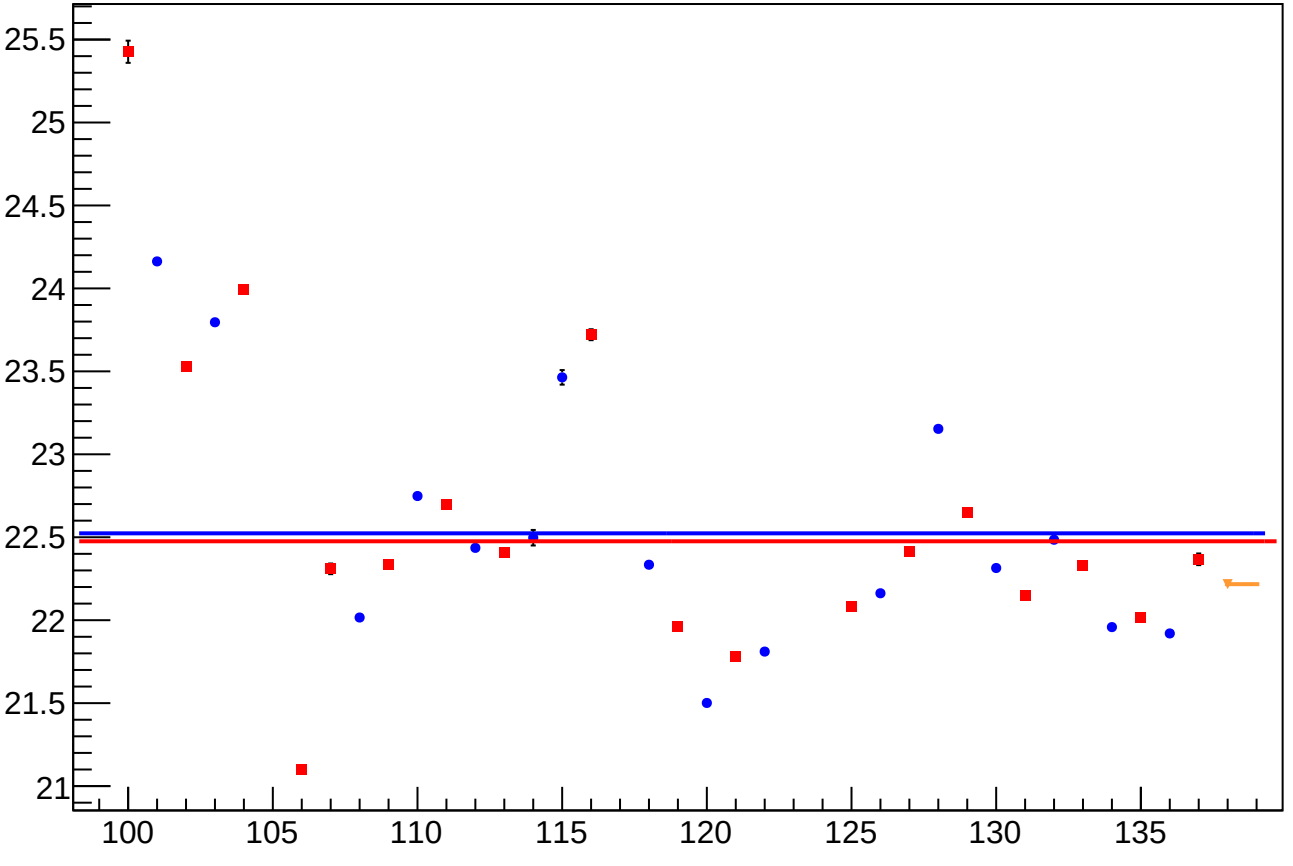
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 1.475+/-8.370 χ^2/NDF:18.7/15

Out: 11.291+/-7.870 χ^2/NDF:17.3/18

All: 6.685+/-5.734 χ^2/NDF: 36.7/34

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: 22.217+/-0.018 χ^2/NDF:0.0/0

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

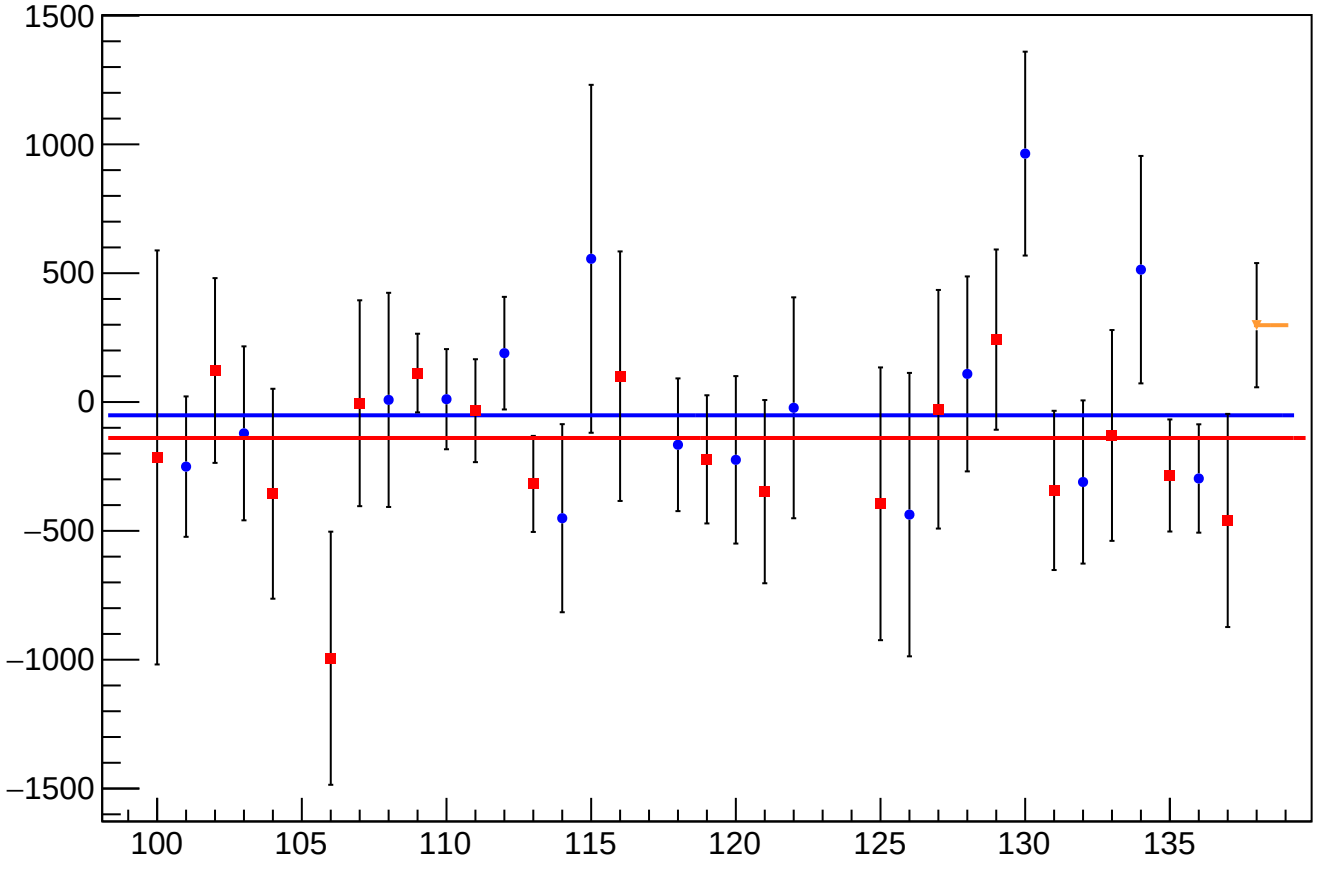
Left: 22.217+/-0.018 χ^2/NDF: 0.0/0

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.524+/-0.006 χ^2/NDF:15947.8/15

Out: 22.450+/-0.006 χ^2/NDF:15727.0/18

All: 22.485+/-0.004 χ^2/NDF: 31756.0/34



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 298.257+/-241.035 χ^2/NDF:0.0/0

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

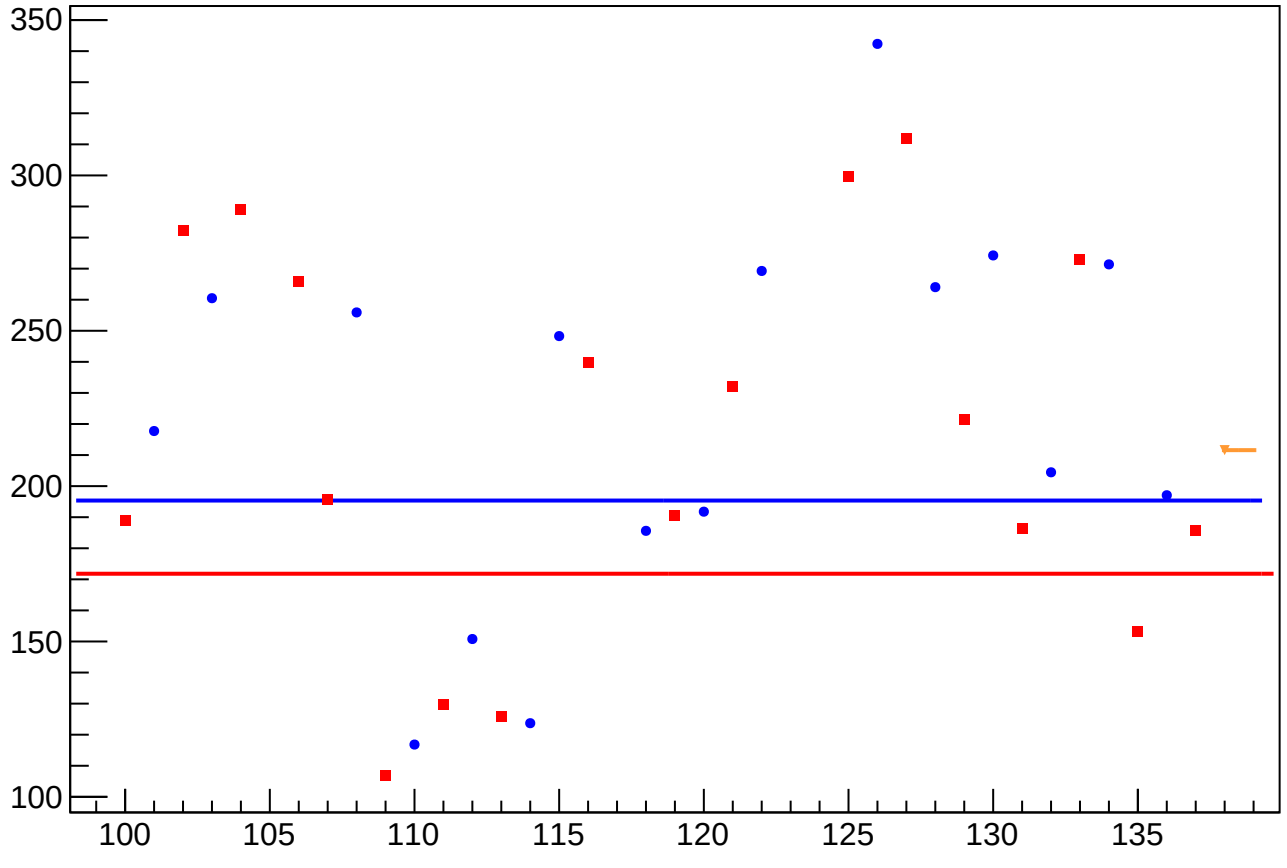
Left: 298.257+/-241.035 χ^2/NDF: 0.0/0

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: -51.492+/-76.798 χ^2/NDF:15.3/15

Out: -106.485+/-66.236 χ^2/NDF:14.6/18

All: -83.027+/-50.158 χ^2/NDF: 30.2/34



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 211.582+/-0.170 χ^2/NDF:0.0/0

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

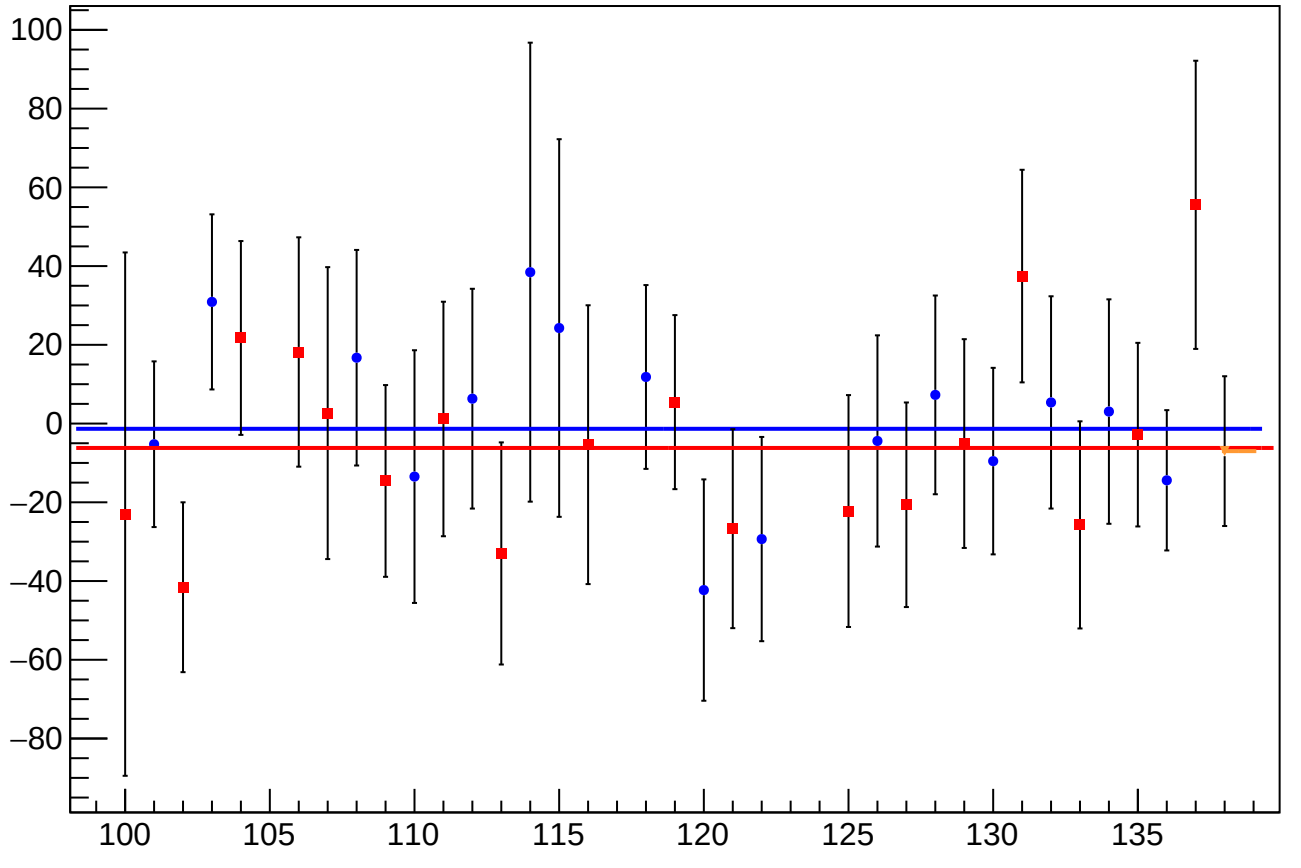
Left: 211.582+/-0.170 χ^2/NDF: 0.0/0

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 195.361+/-0.054 χ^2/NDF:1041432.1/15

Out: 174.809+/-0.047 χ^2/NDF:1651017.3/18

All: 183.575+/-0.035 χ^2/NDF: 2774586.3/34



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -7.002+/-19.023 χ^2/NDF:0.0/0

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -7.002+/-19.023 χ^2/NDF: 0.0/0

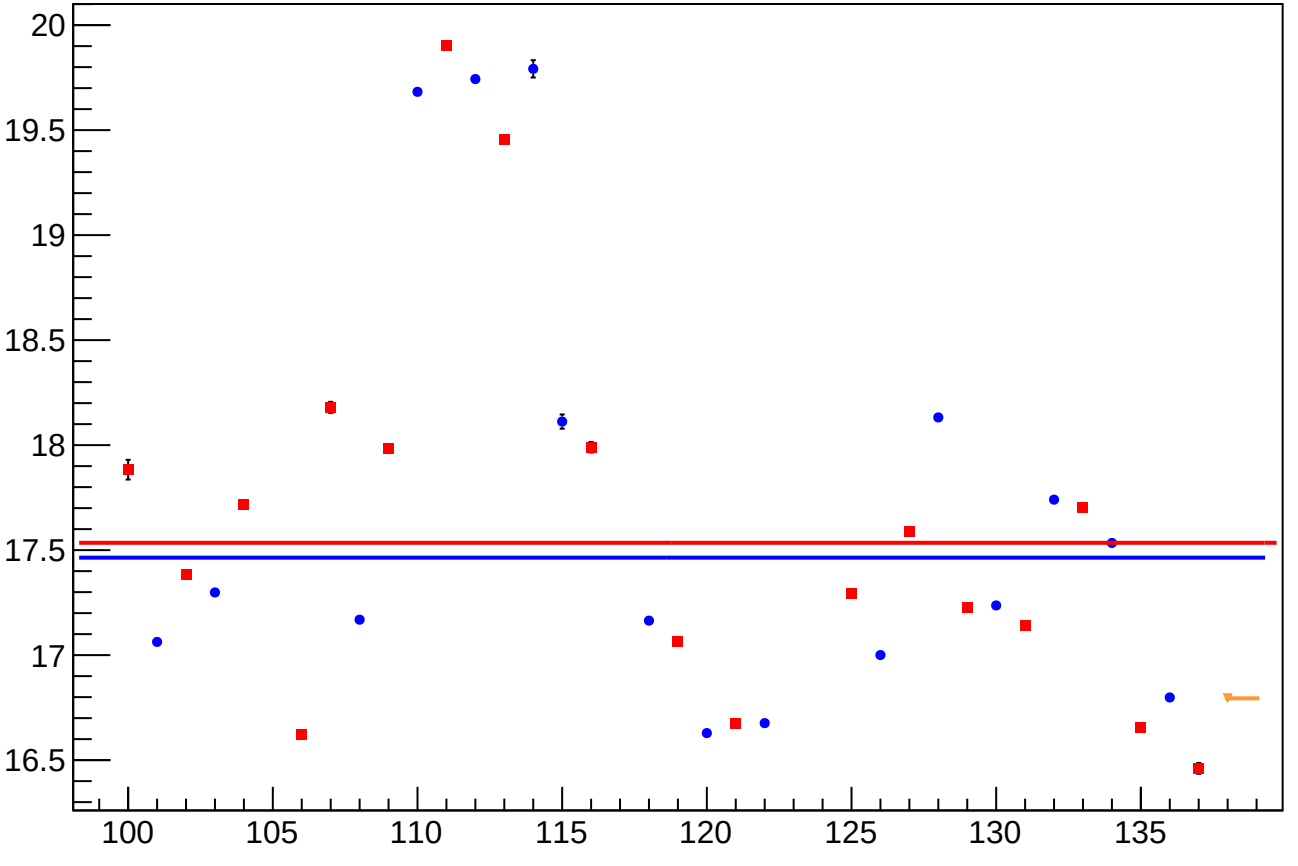
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: -1.331+/-6.499 χ^2/NDF:8.0/15

Out: -6.279+/-6.128 χ^2/NDF:13.5/18

All: -3.950+/-4.458 χ^2/NDF: 21.8/34

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.794+/-0.013 χ^2/NDF:0.0/0

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

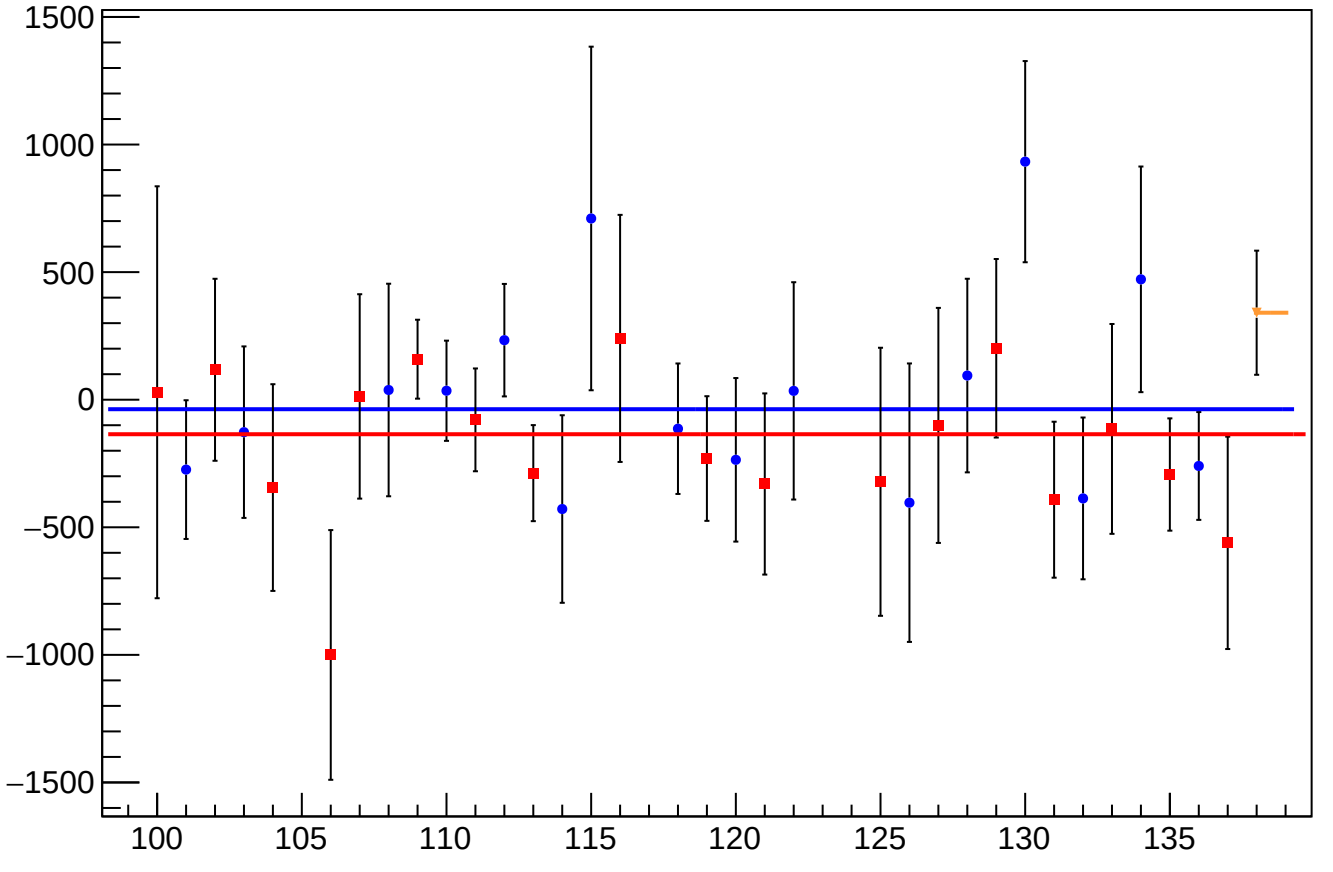
Left: 16.794+/-0.013 χ^2/NDF: 0.0/0

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 17.464+/-0.005 χ^2/NDF:36650.1/15

Out: 17.458+/-0.004 χ^2/NDF:37192.5/18

All: 17.461+/-0.003 χ^2/NDF: 73843.5/34



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 340.901+/-243.240 χ^2/NDF:0.0/0

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

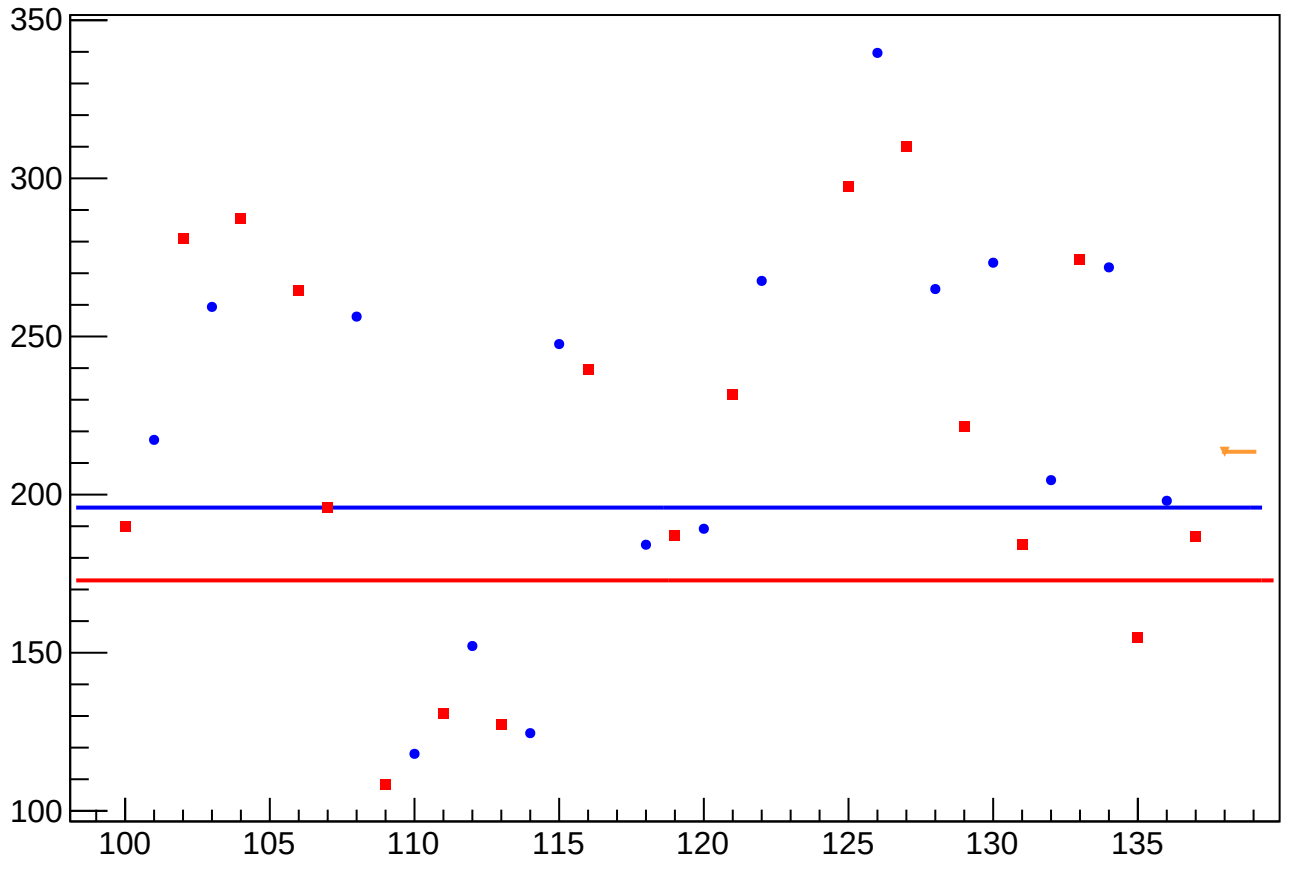
Left: 340.901+/-243.240 χ^2/NDF: 0.0/0

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: -37.241+/-76.915 χ^2/NDF:15.6/15

Out: -99.665+/-66.521 χ^2/NDF:16.3/18

All: -72.953+/-50.314 χ^2/NDF: 32.4/34



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 213.553+/-0.172 χ^2/NDF:0.0/0

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

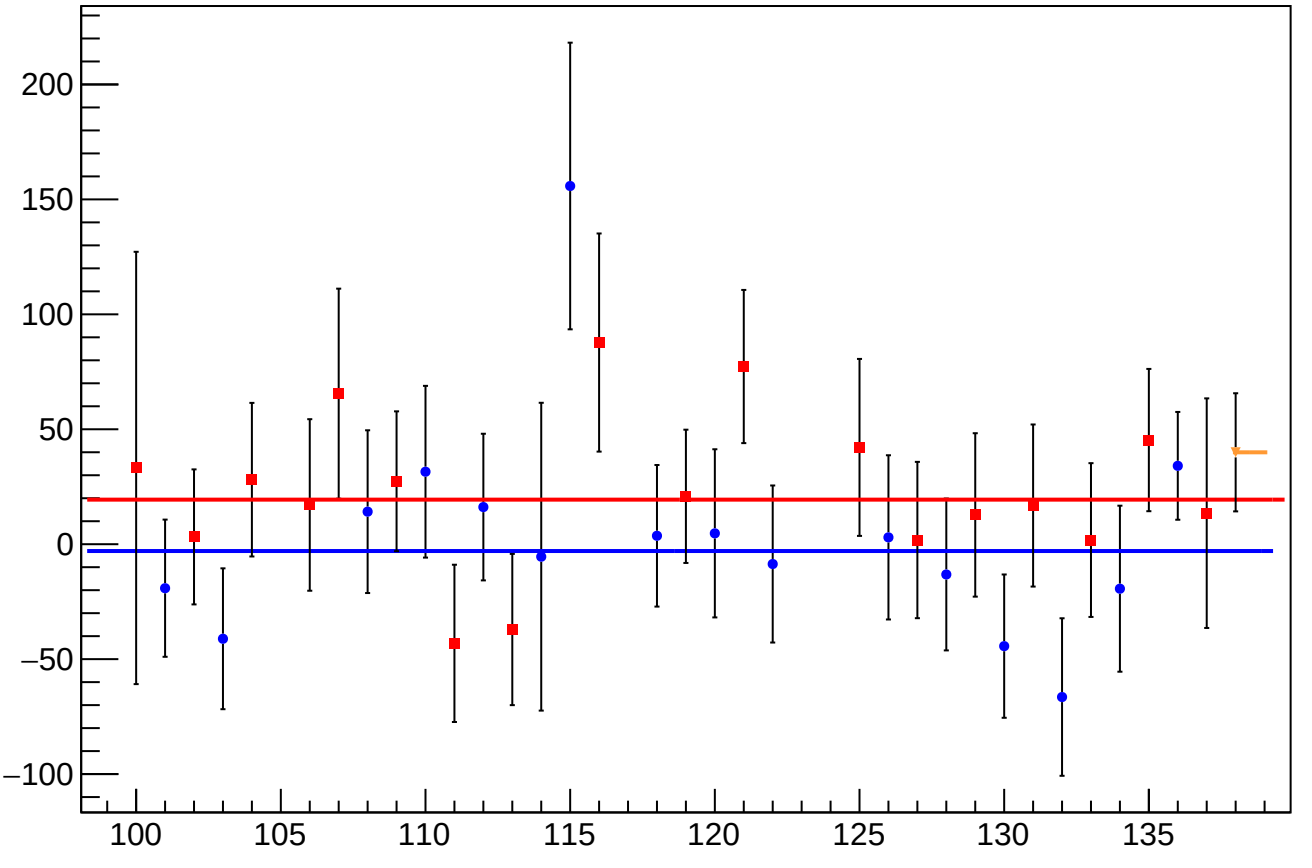
Left: 213.553+/-0.172 χ^2/NDF: 0.0/0

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 195.900+/-0.054 χ^2/NDF:1011012.3/15

Out: 175.915+/-0.047 χ^2/NDF:1595013.4/18

All: 184.467+/-0.036 χ^2/NDF: 2683266.3/34



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 39.972+/-25.694 χ^2/NDF:0.0/0

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 39.972+/-25.694 χ^2/NDF: 0.0/0

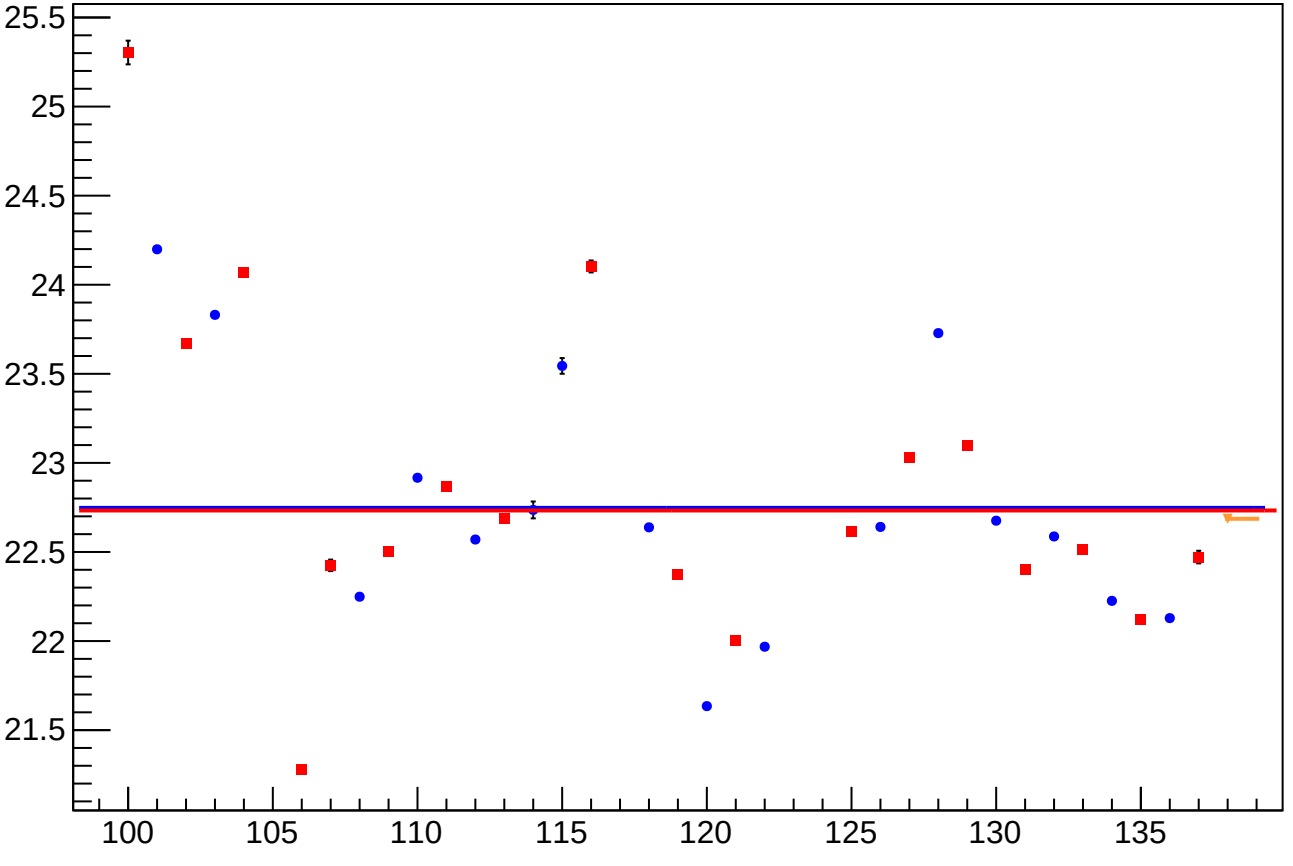
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: -2.967+/-8.454 χ^2/NDF:17.9/15

Out: 21.367+/-7.968 χ^2/NDF:15.1/18

All: 9.919+/-5.799 χ^2/NDF: 37.4/34

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: 22.686+/-0.018 χ^2/NDF:0.0/0

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

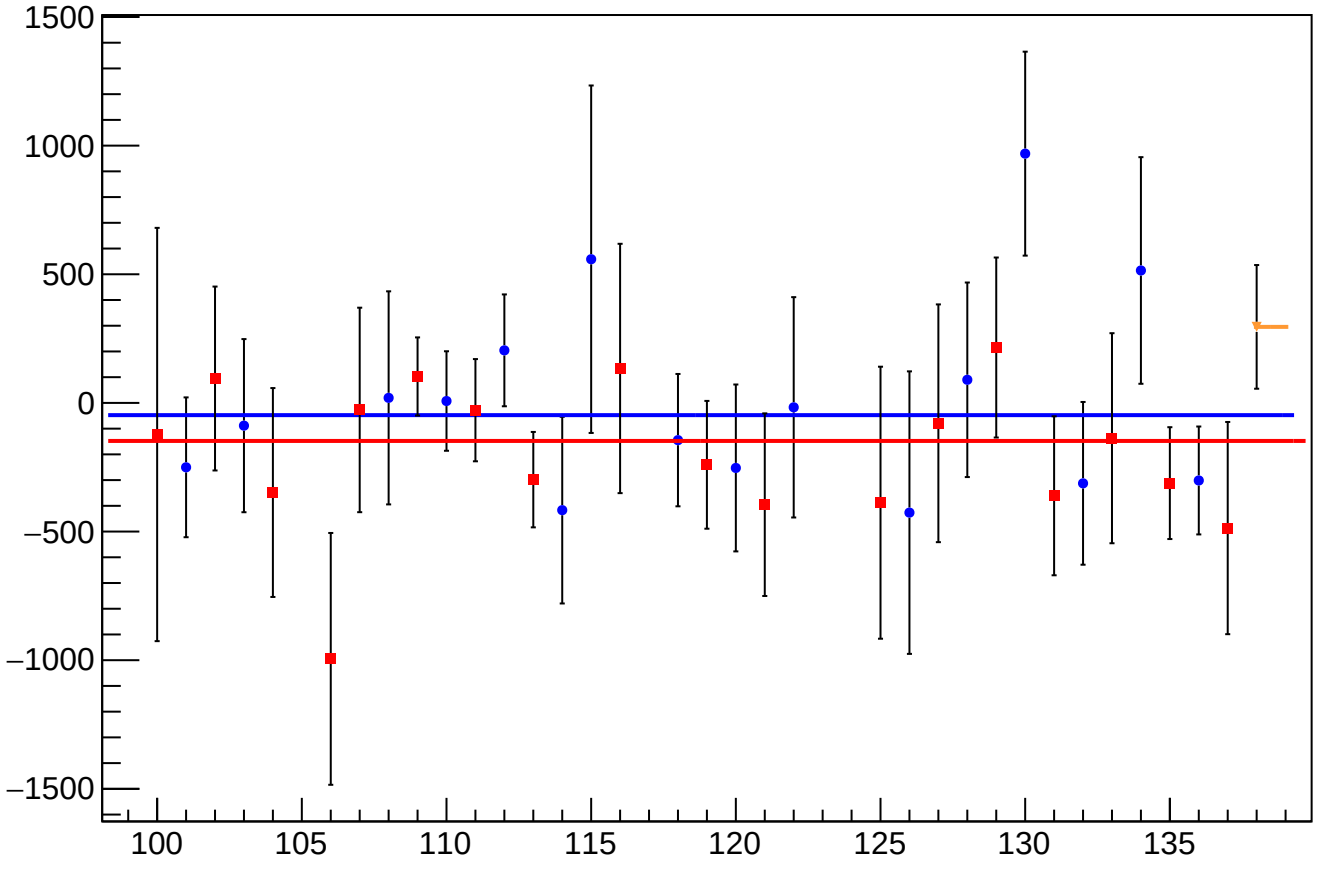
Left: 22.686+/-0.018 χ^2/NDF: 0.0/0

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.747+/-0.006 χ^2/NDF:14622.8/15

Out: 22.728+/-0.006 χ^2/NDF:14395.6/18

All: 22.737+/-0.004 χ^2/NDF: 29023.7/34



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 295.513+/-240.374 χ^2/NDF:0.0/0

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

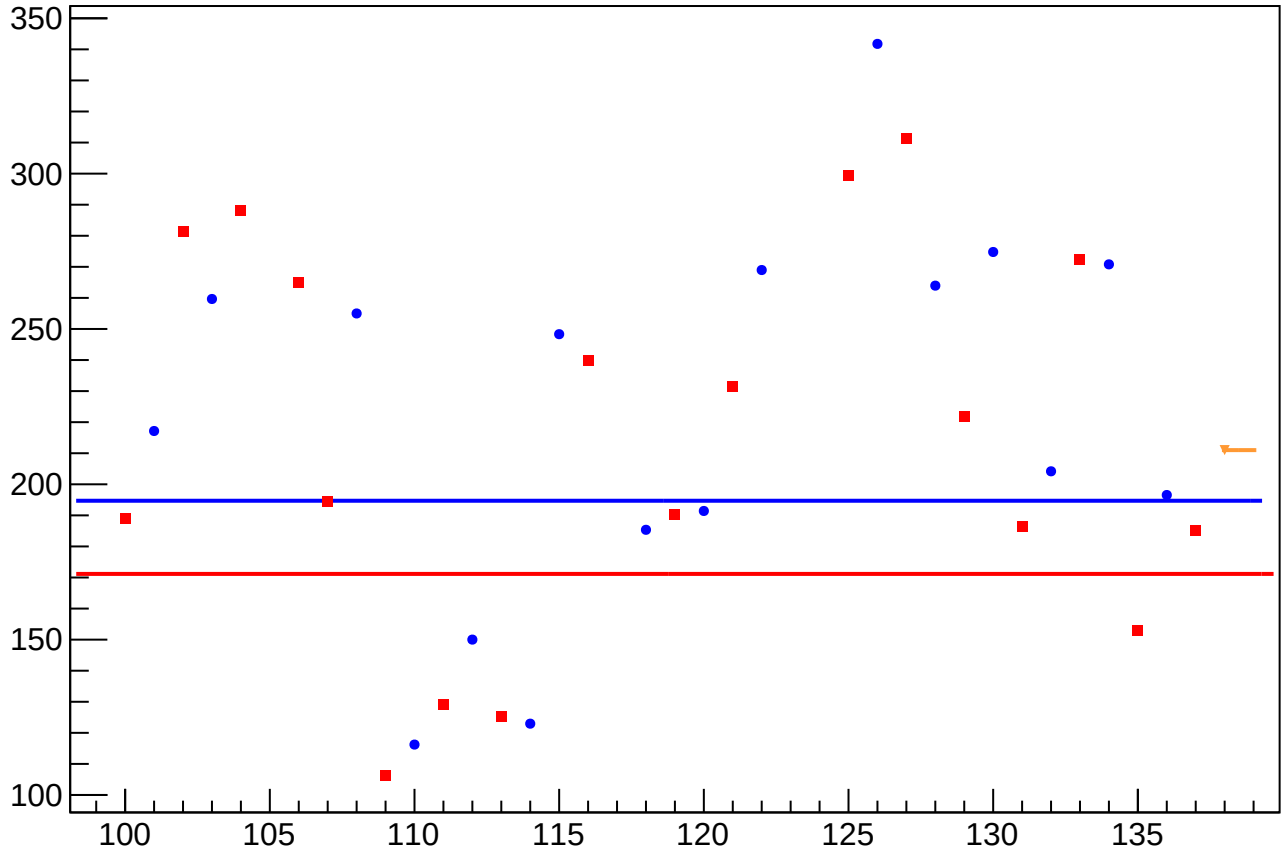
Left: 295.513+/-240.374 χ^2/NDF: 0.0/0

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: -47.523+/-76.571 χ^2/NDF:15.4/15

Out: -114.370+/-66.019 χ^2/NDF:14.7/18

All: -85.866+/-50.000 χ^2/NDF: 30.5/34



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 211.004+/-0.170 χ^2/NDF:0.0/0

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

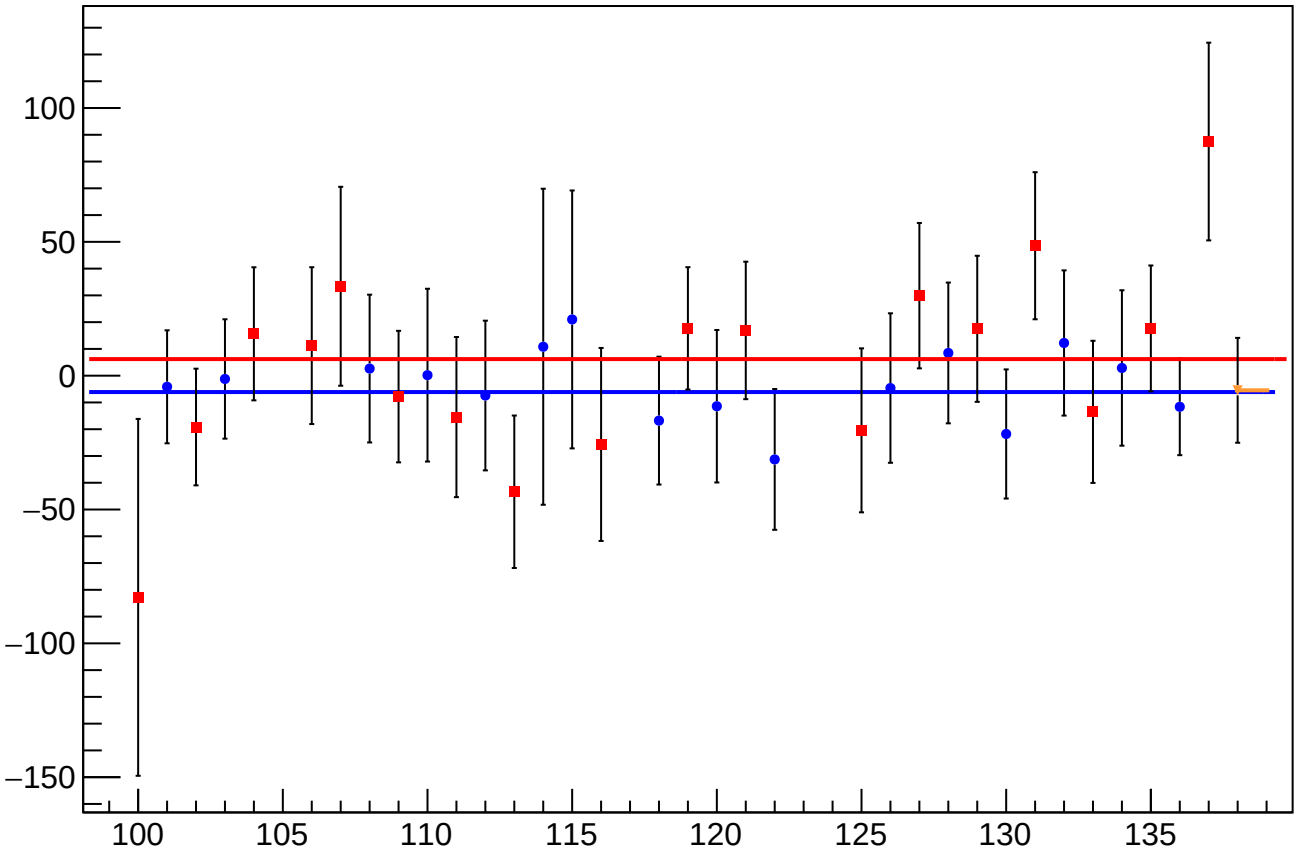
Left: 211.004+/-0.170 χ^2/NDF: 0.0/0

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 194.708+/-0.054 χ^2/NDF:1052288.9/15

Out: 174.162+/-0.047 χ^2/NDF:1662750.8/18

All: 182.923+/-0.035 χ^2/NDF: 2797634.6/34



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: -5.466+/-19.589 χ^2/NDF:0.0/0

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

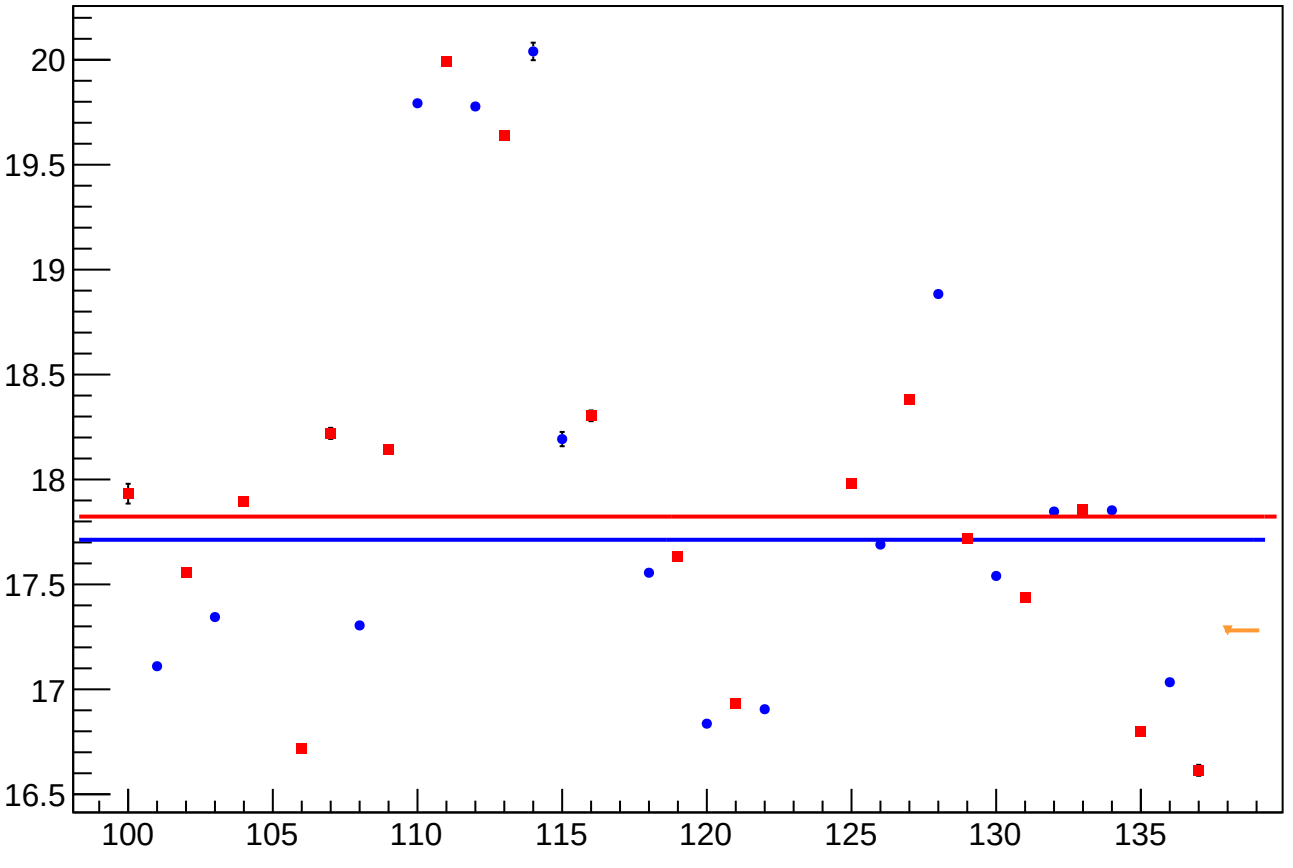
Left: -5.466+/-19.589 χ^2/NDF: 0.0/0

Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -6.119+/-6.592 χ^2/NDF:3.1/15

Out: 5.012+/-6.238 χ^2/NDF:18.9/18

All: -0.246+/-4.531 χ^2/NDF: 23.6/34



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.281+/-0.014 χ^2/NDF:0.0/0

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

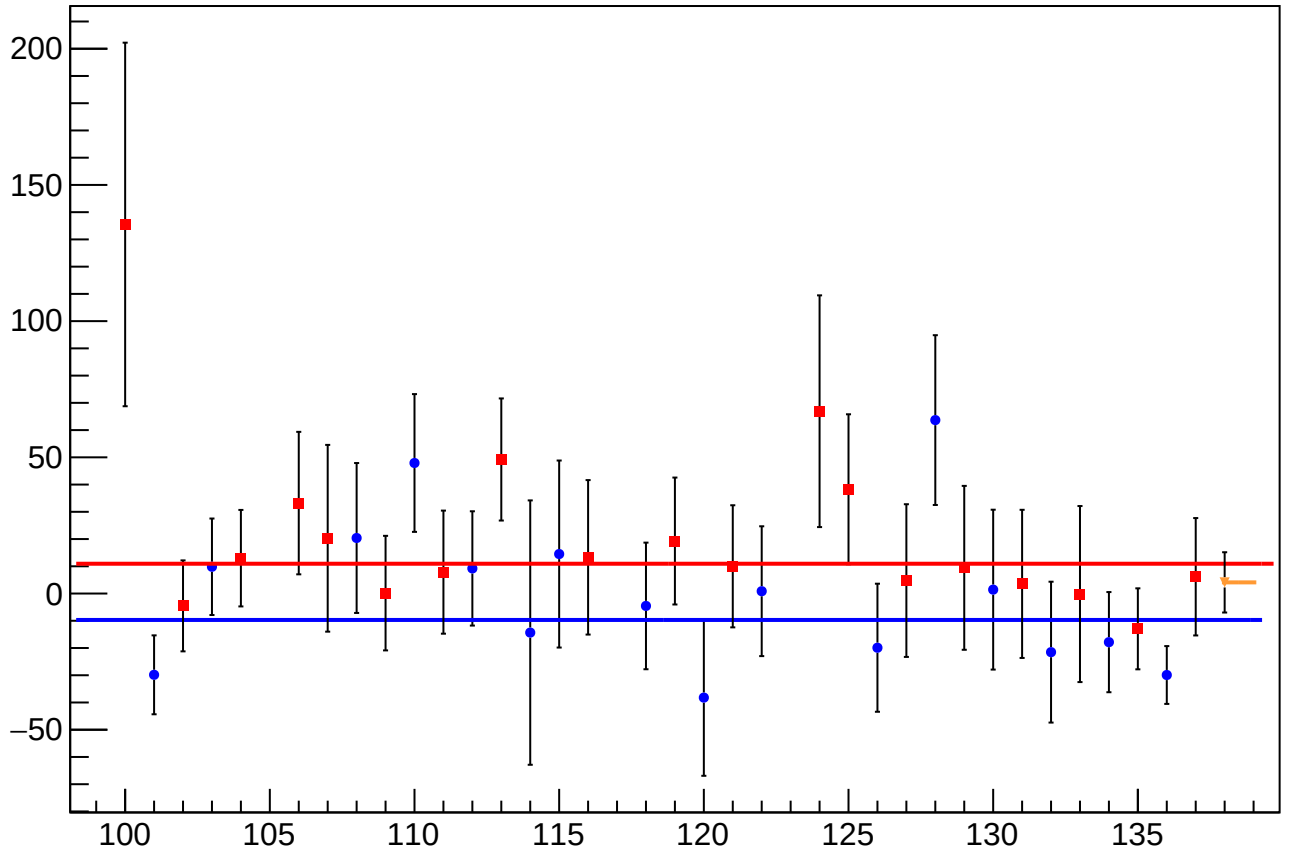
Left: 17.281+/-0.014 χ^2/NDF: 0.0/0

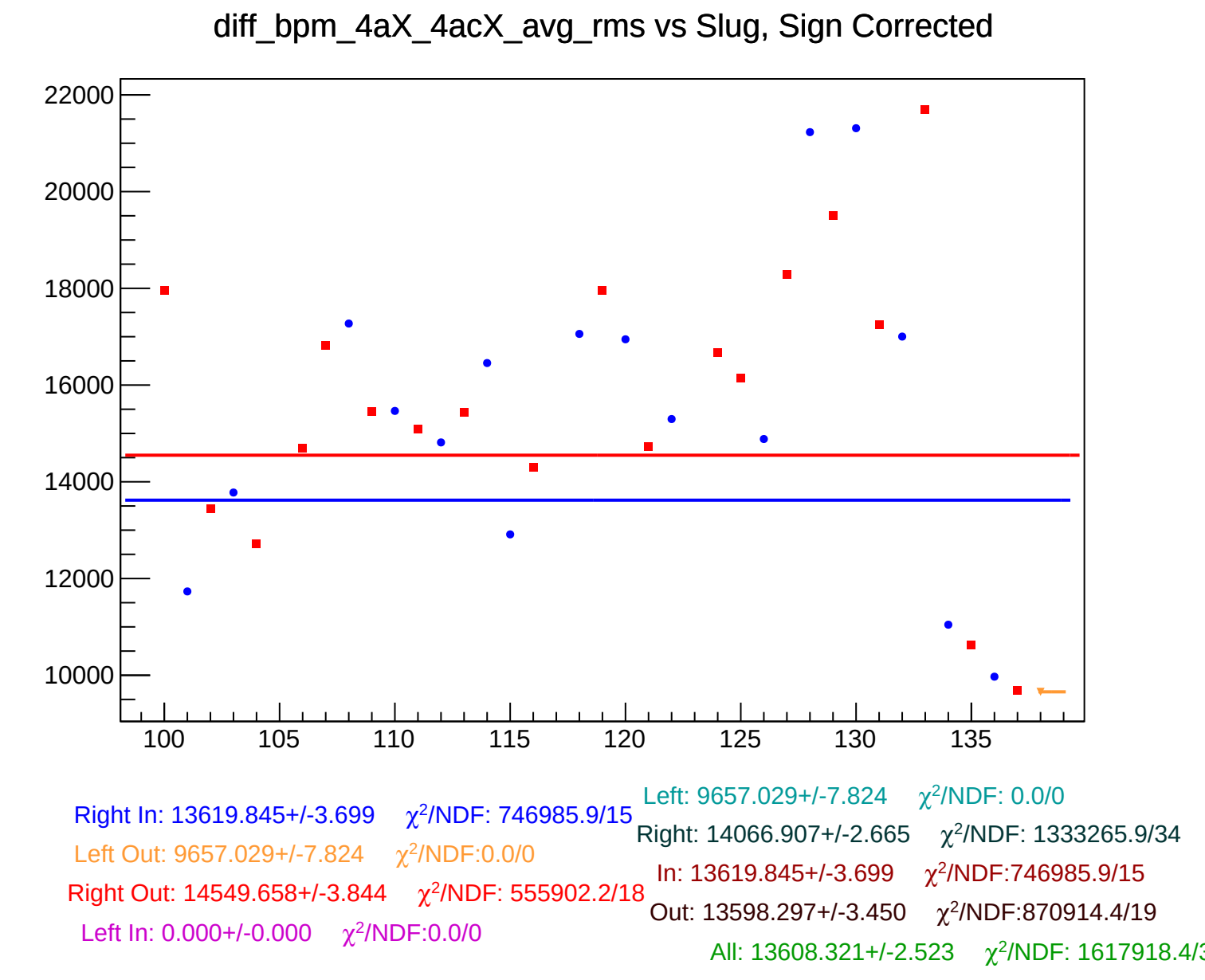
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

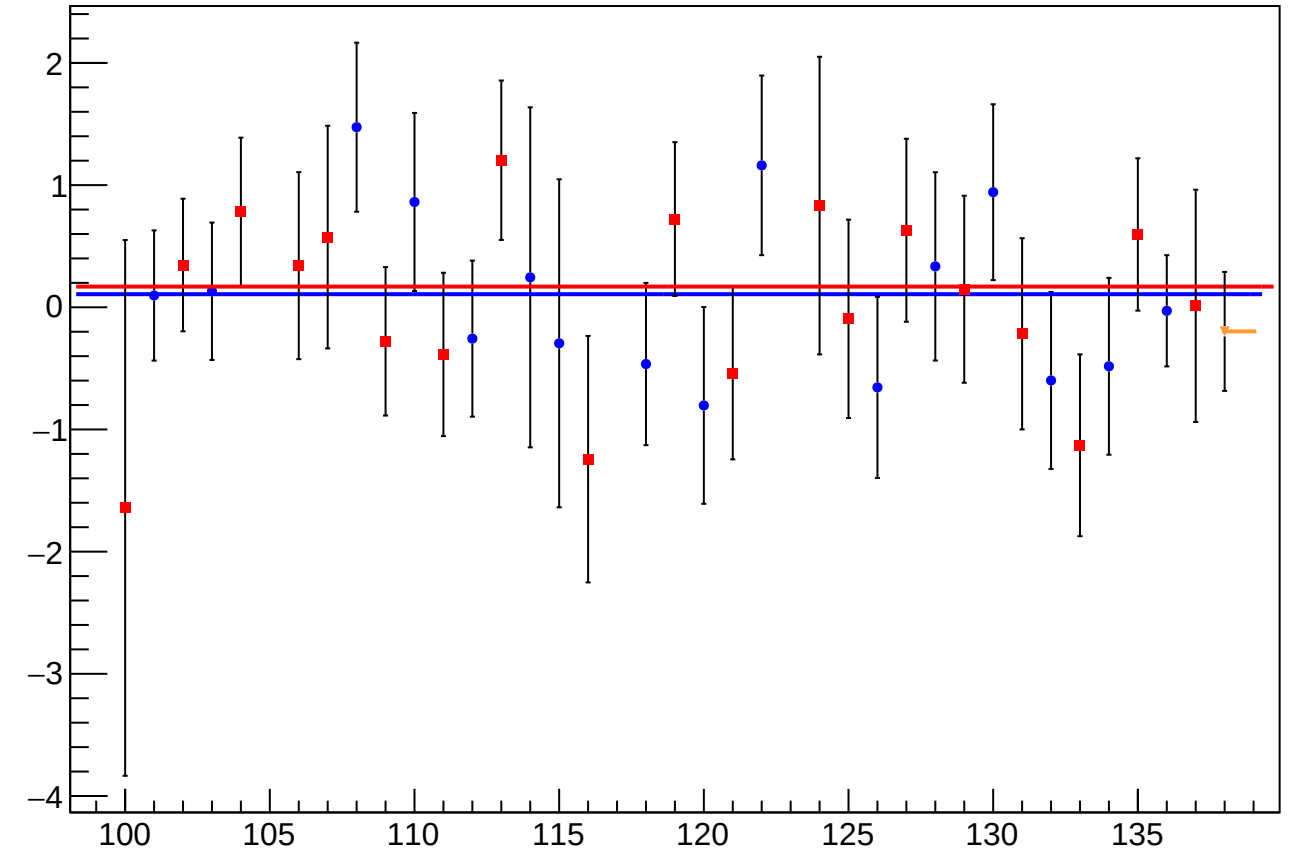
In: 17.713+/-0.005 χ^2/NDF:35983.5/15

Out: 17.768+/-0.004 χ^2/NDF:33881.1/18

All: 17.742+/-0.003 χ^2/NDF: 69939.5/34


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
105
110
115
120
125
130
135
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: 4.093+/-11.065 χ²/NDF:0.0/0
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 4.093+/-11.065 χ²/NDF: 0.0/0
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -9.702+/-5.231 χ²/NDF:22.0/15
Out: 9.607+/-4.879 χ²/NDF:14.4/19
All: 0.625+/-3.568 χ²/NDF: 43.7/35


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
105
110
115
120
125
130
135
Right In: 13619.845+/-3.699 χ²/NDF: 746985.9/15
Left Out: 9657.029+/-7.824 χ²/NDF:0.0/0
Right Out: 14549.658+/-3.844 χ²/NDF: 555902.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 9657.029+/-7.824 χ²/NDF: 0.0/0
Right: 14066.907+/-2.665 χ²/NDF: 1333265.9/34
In: 13619.845+/-3.699 χ²/NDF:746985.9/15
Out: 13598.297+/-3.450 χ²/NDF:870914.4/19
All: 13608.321+/-2.523 χ²/NDF: 1617918.4/3



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.197+/-0.487 χ^2/NDF:0.0/0

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

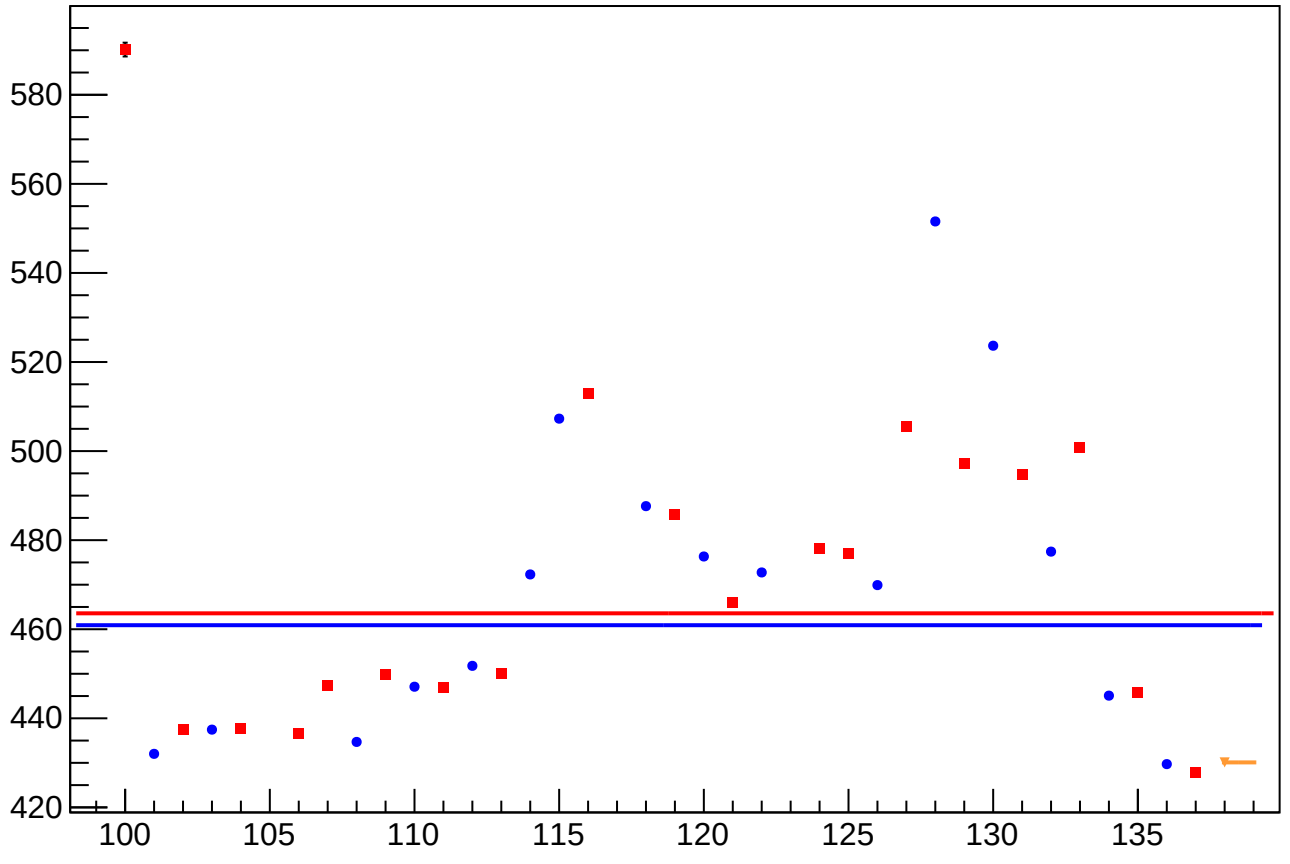
Left: -0.197+/-0.487 χ^2/NDF: 0.0/0

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.107+/-0.172 χ^2/NDF:13.7/15

Out: 0.130+/-0.160 χ^2/NDF:14.6/19

All: 0.119+/-0.117 χ^2/NDF: 28.3/35



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.100+/-0.344 χ^2/NDF:0.0/0

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

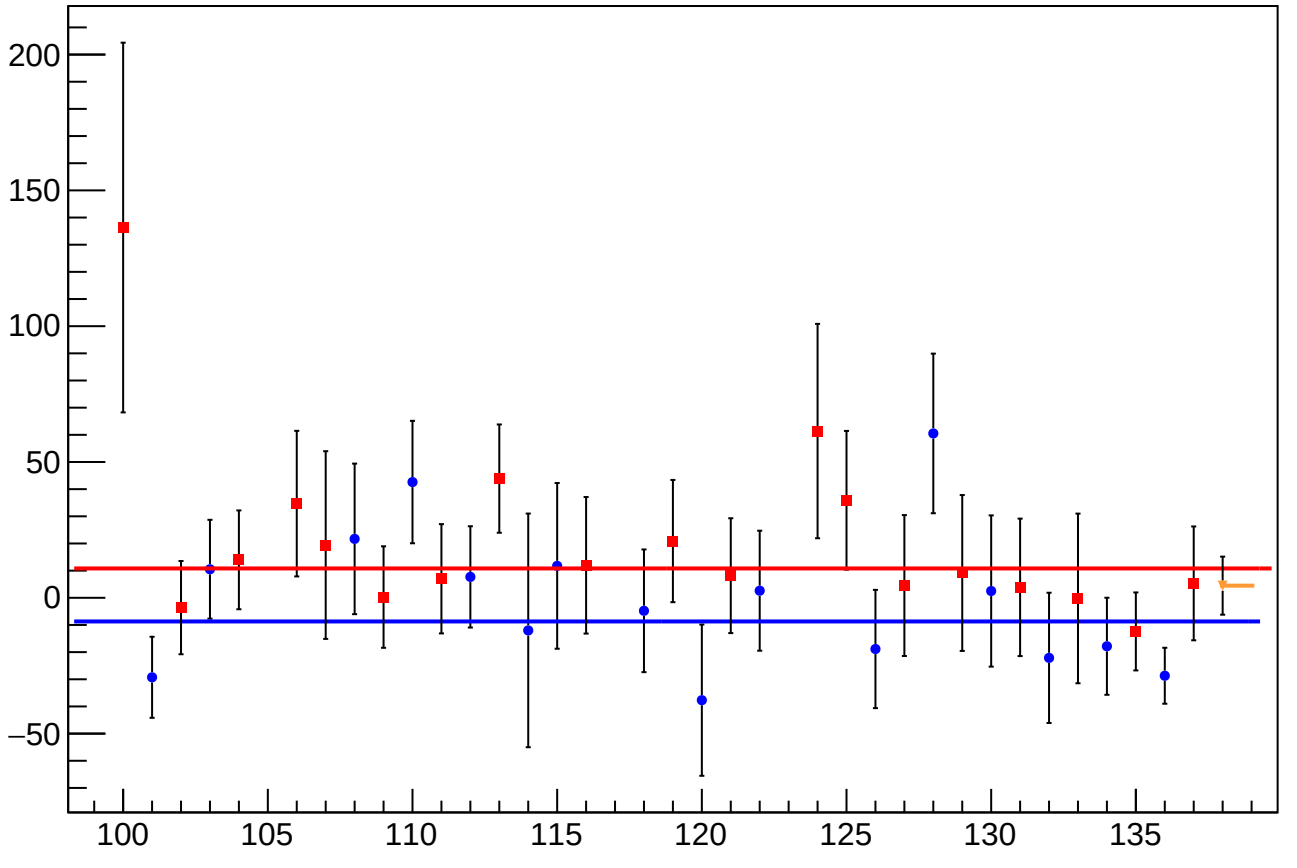
Left: 430.100+/-0.344 χ^2/NDF: 0.0/0

Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 460.906+/-0.121 χ^2/NDF:74930.1/15

Out: 459.957+/-0.113 χ^2/NDF:60607.0/19

All: 460.398+/-0.083 χ^2/NDF: 135569.8/35



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: 4.471+/-10.688 χ^2/NDF:0.0/0

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

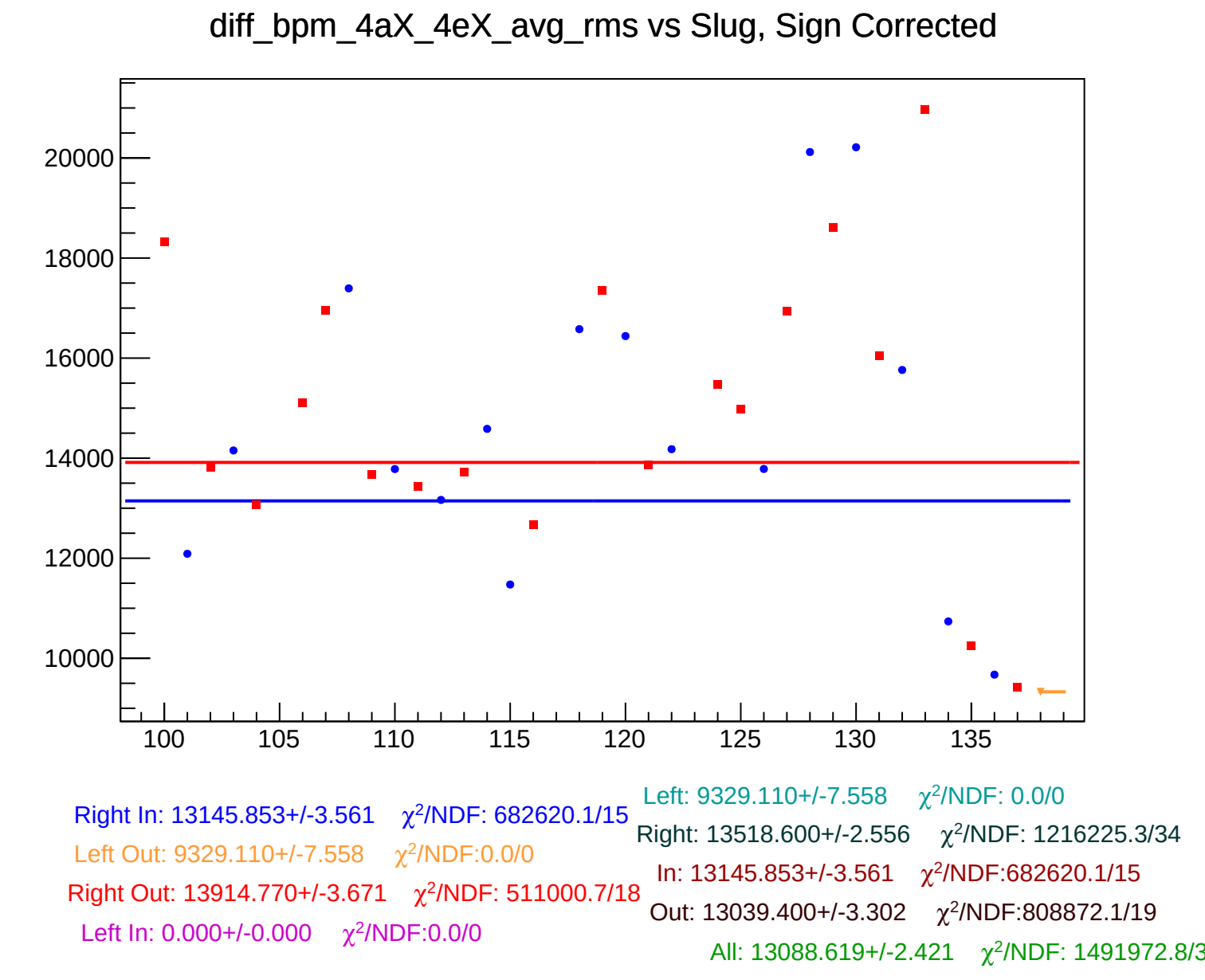
Left: 4.471+/-10.688 χ^2/NDF: 0.0/0

Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

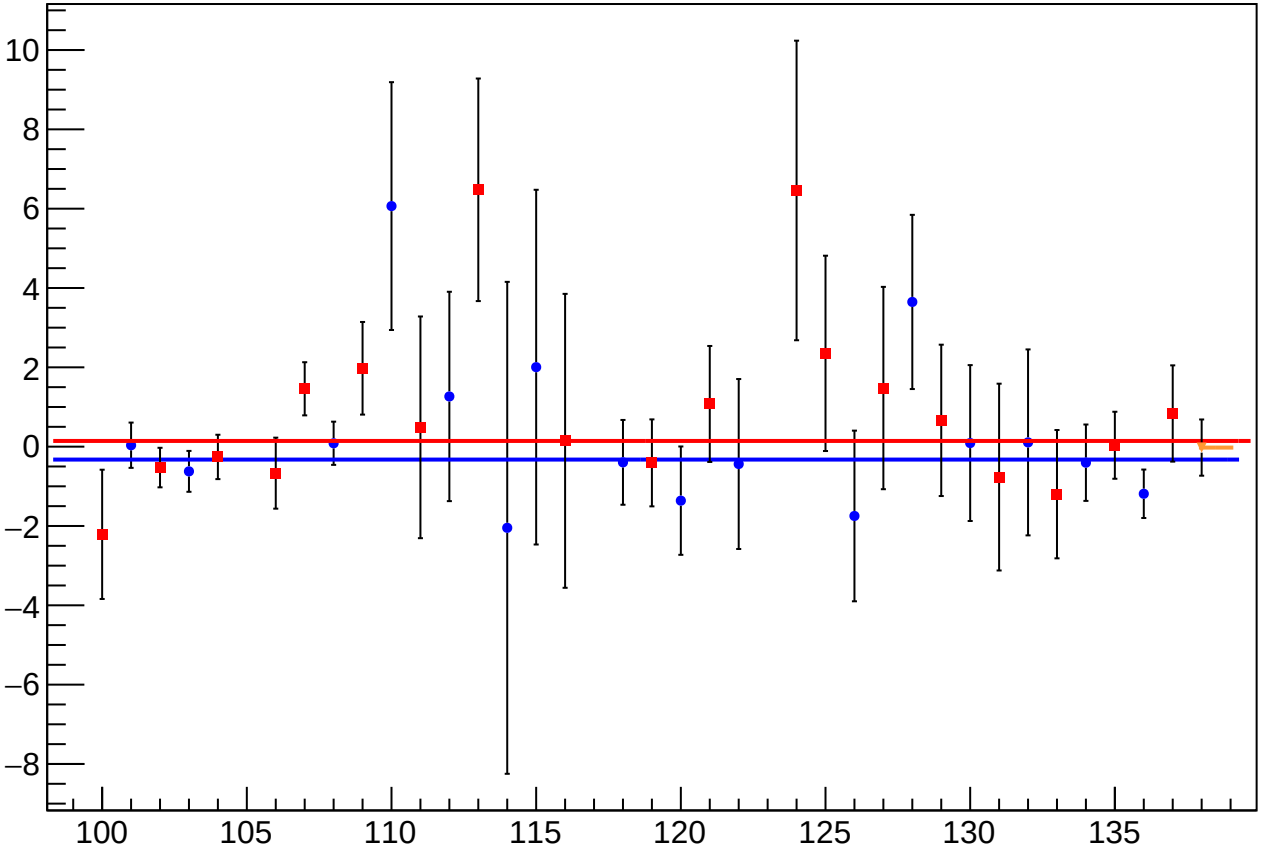
In: -8.707+/-5.036 χ^2/NDF:22.3/15

Out: 9.598+/-4.670 χ^2/NDF:14.2/19

All: 1.134+/-3.424 χ^2/NDF: 43.5/35


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
100
105
110
115
120
125
130
135
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 9329.110+/-7.558 χ²/NDF:0.0/0
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 9329.110+/-7.558 χ²/NDF: 0.0/0
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 13145.853+/-3.561 χ²/NDF:682620.1/15
Out: 13039.400+/-3.302 χ²/NDF:808872.1/19
All: 13088.619+/-2.421 χ²/NDF: 1491972.8/3

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.023+/-0.709 χ^2/NDF:0.0/0

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

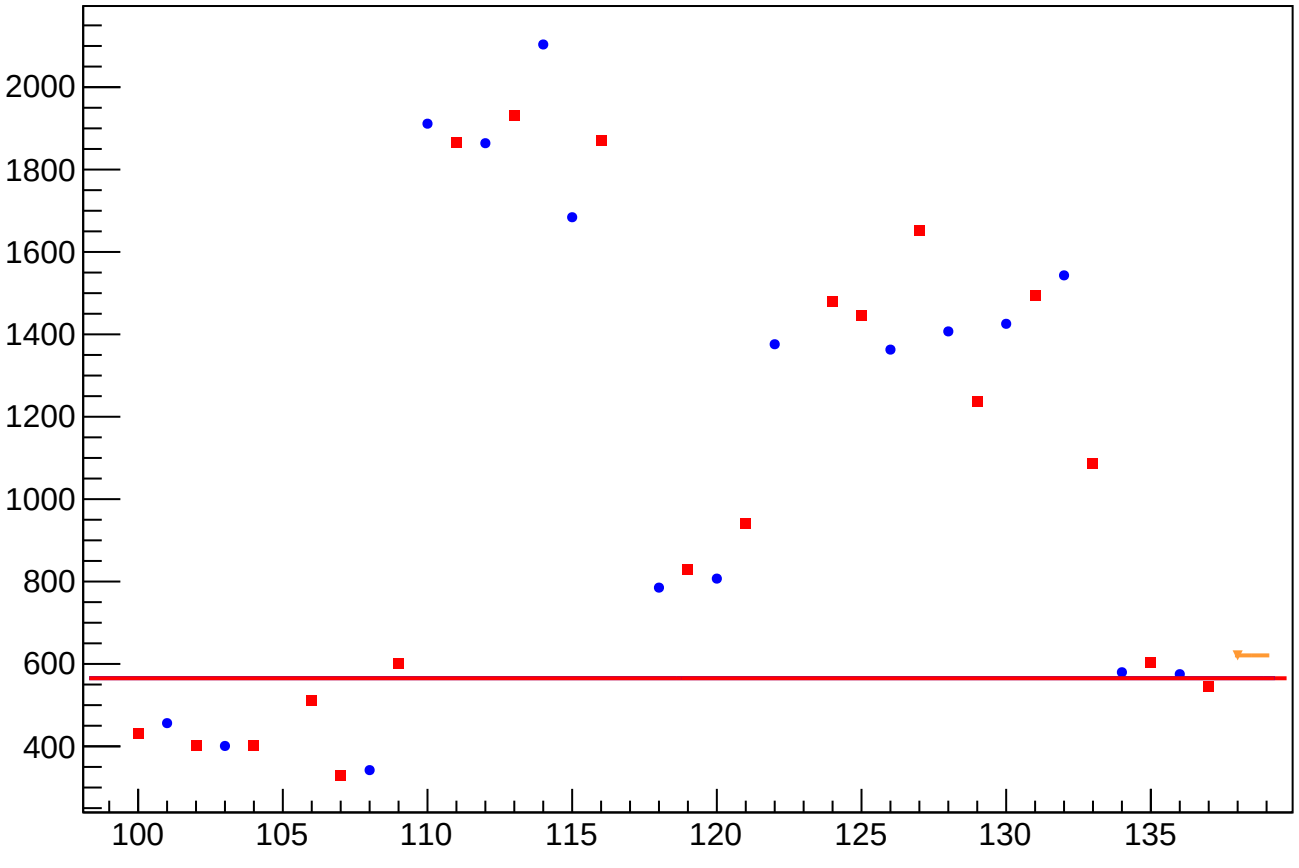
Left: -0.023+/-0.709 χ^2/NDF: 0.0/0

Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.326+/-0.244 χ^2/NDF:12.6/15

Out: 0.126+/-0.231 χ^2/NDF:22.5/19

All: -0.087+/-0.168 χ^2/NDF: 36.9/35



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 620.734+/-0.501 χ^2/NDF:0.0/0

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

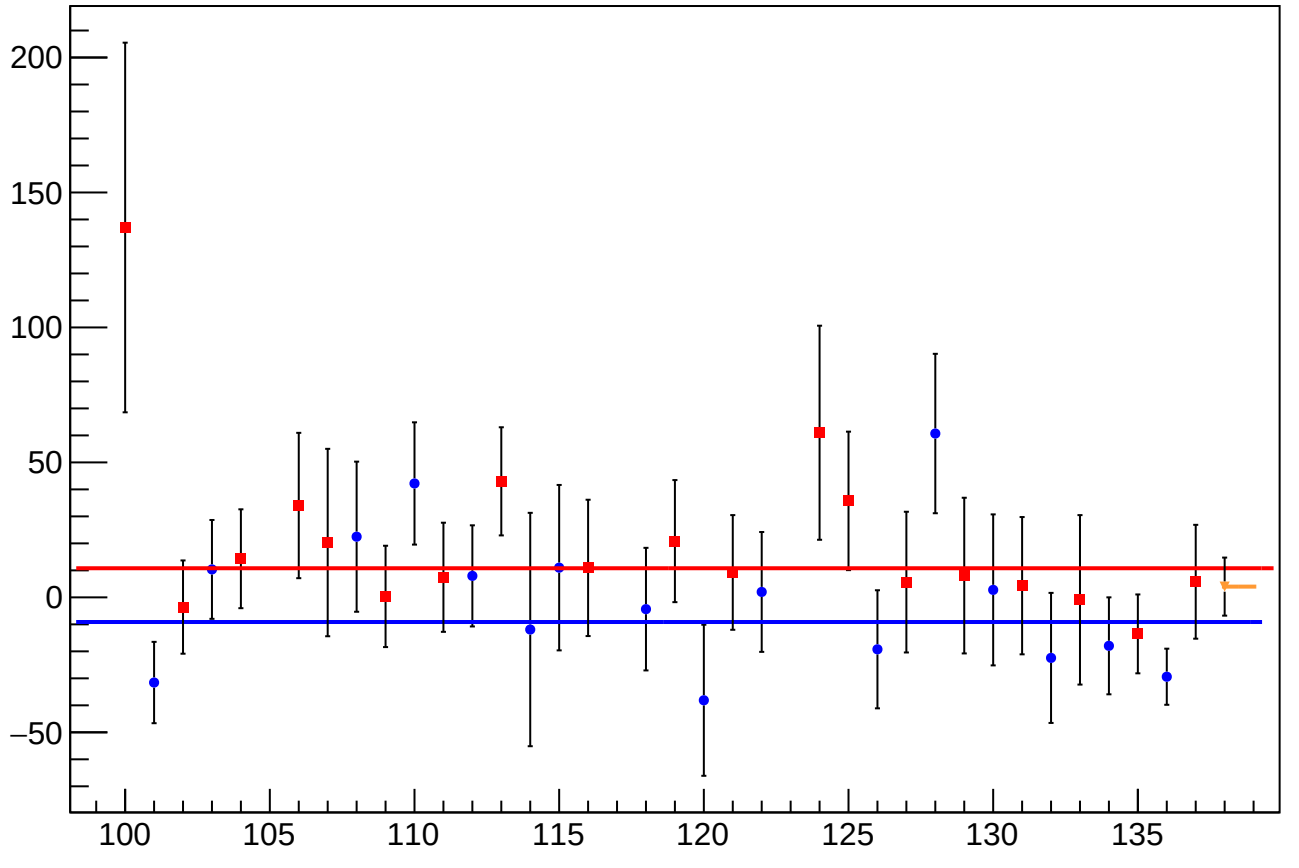
Left: 620.734+/-0.501 χ^2/NDF: 0.0/0

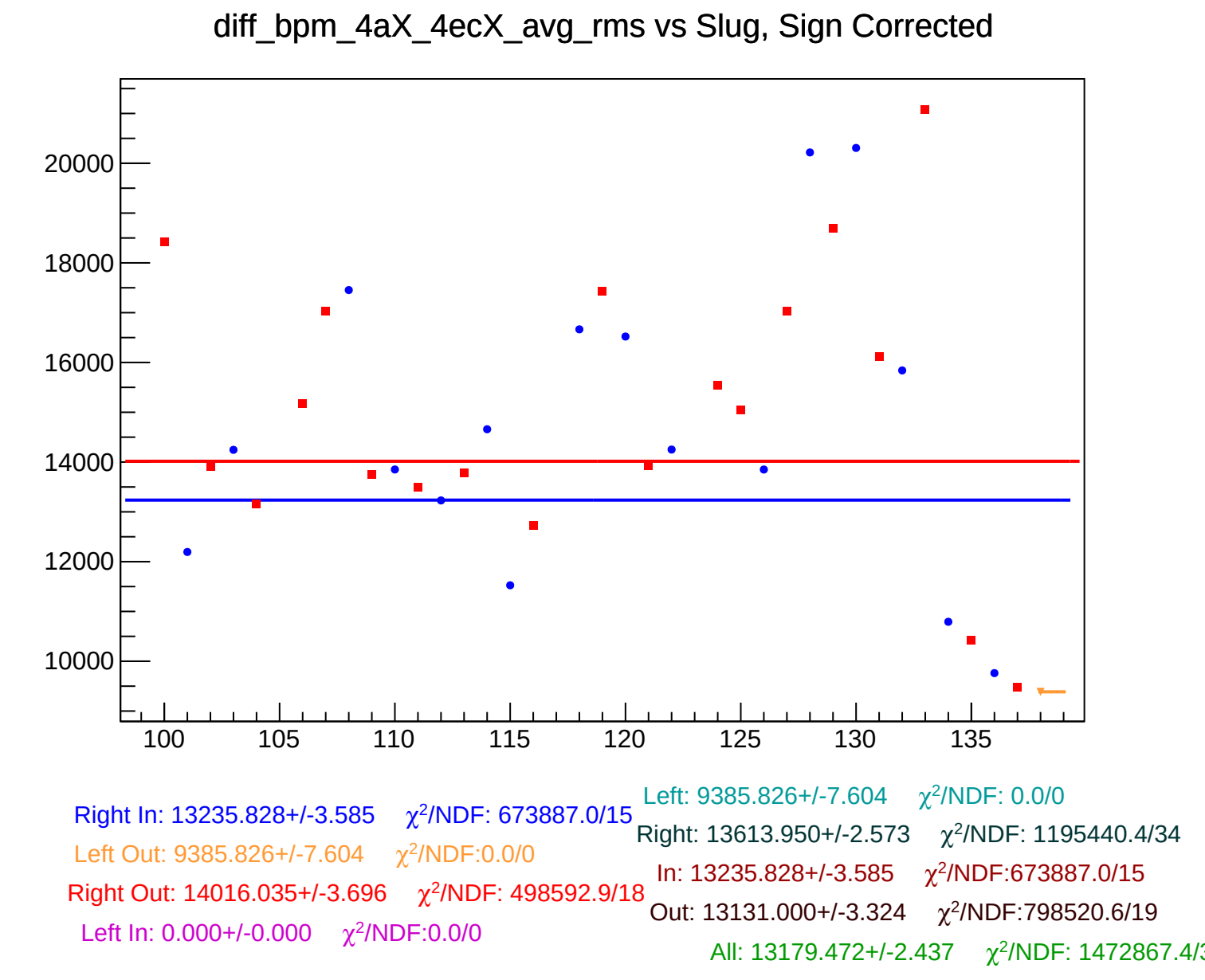
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

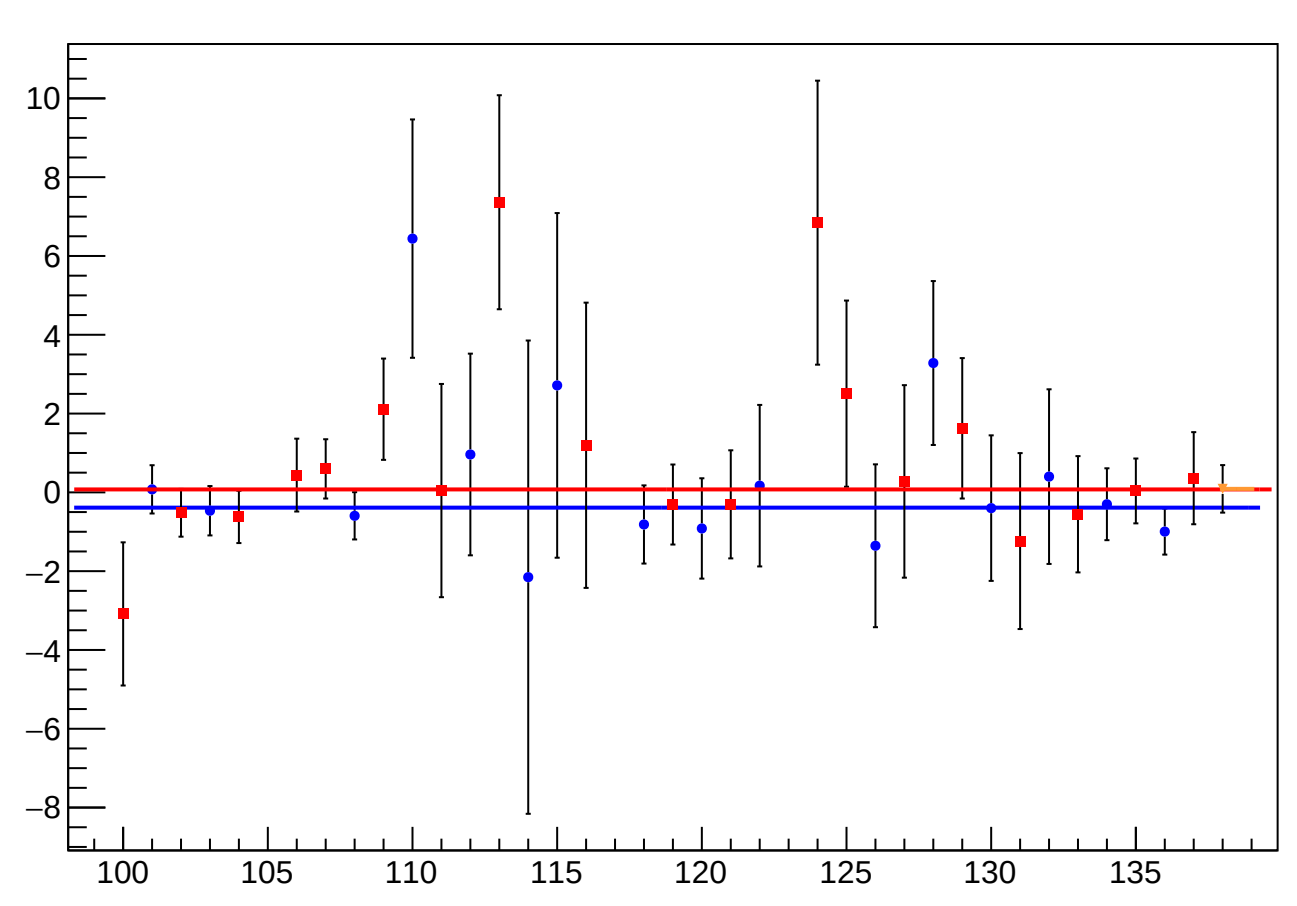
In: 565.531+/-0.173 χ^2/NDF:3450533.8/15

Out: 571.121+/-0.163 χ^2/NDF:3582585.7/19

All: 568.480+/-0.119 χ^2/NDF: 7033672.7/35


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
105
110
115
120
125
130
135
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: 3.983+/-10.753 χ²/NDF:0.0/0
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 3.983+/-10.753 χ²/NDF: 0.0/0
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -9.130+/-5.069 χ²/NDF:22.7/15
Out: 9.487+/-4.701 χ²/NDF:14.0/19
All: 0.878+/-3.447 χ²/NDF: 44.0/35


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
100
105
110
115
120
125
130
135
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 9385.826+/-7.604 χ²/NDF:0.0/0
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 9385.826+/-7.604 χ²/NDF: 0.0/0
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 13235.828+/-3.585 χ²/NDF:673887.0/15
Out: 13131.000+/-3.324 χ²/NDF:798520.6/19
All: 13179.472+/-2.437 χ²/NDF: 1472867.4/3



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: 0.089+/-0.603 χ^2/NDF:0.0/0

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.089+/-0.603 χ^2/NDF: 0.0/0

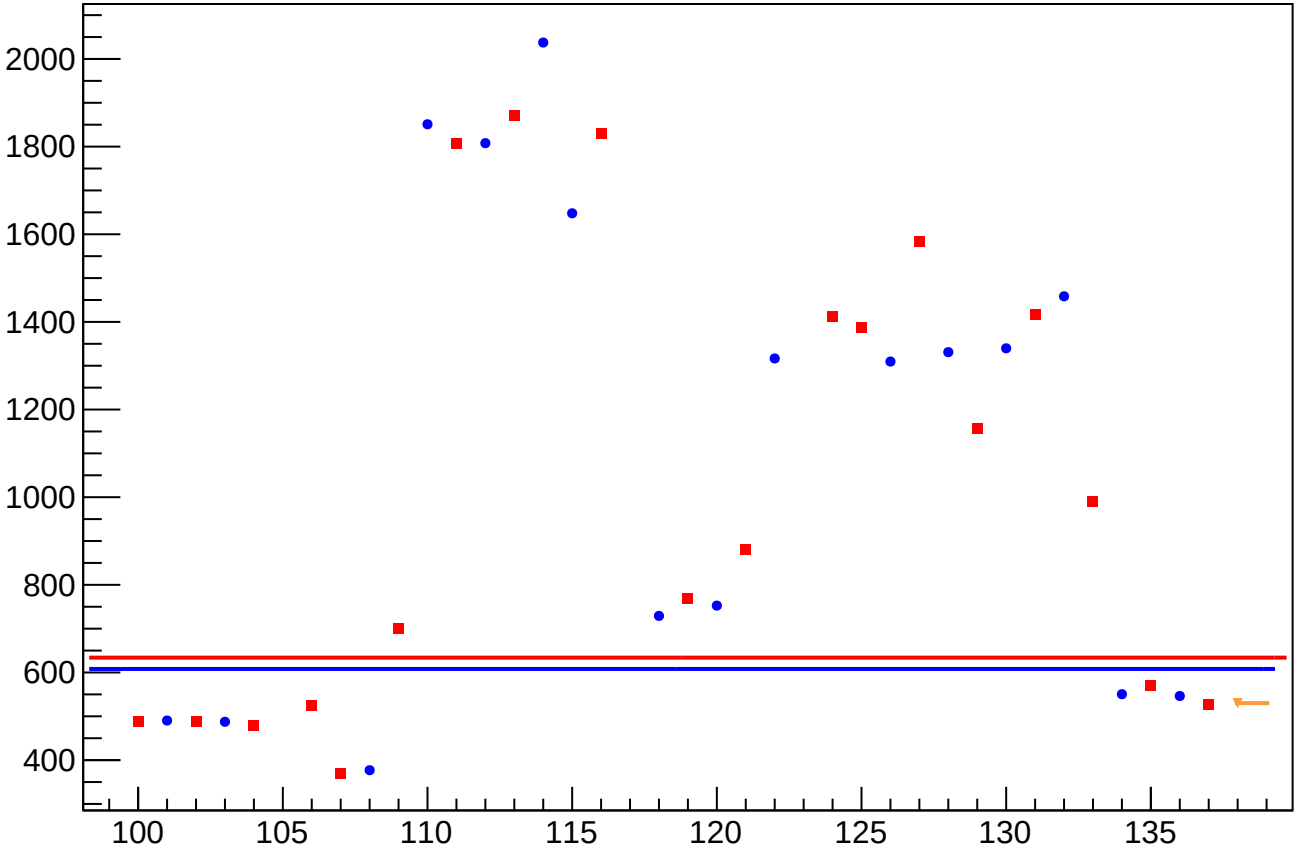
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.388+/-0.256 χ^2/NDF:11.7/15

Out: 0.077+/-0.242 χ^2/NDF:21.7/19

All: -0.143+/-0.176 χ^2/NDF: 35.1/35

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 530.091+/-0.427 χ^2/NDF:0.0/0

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

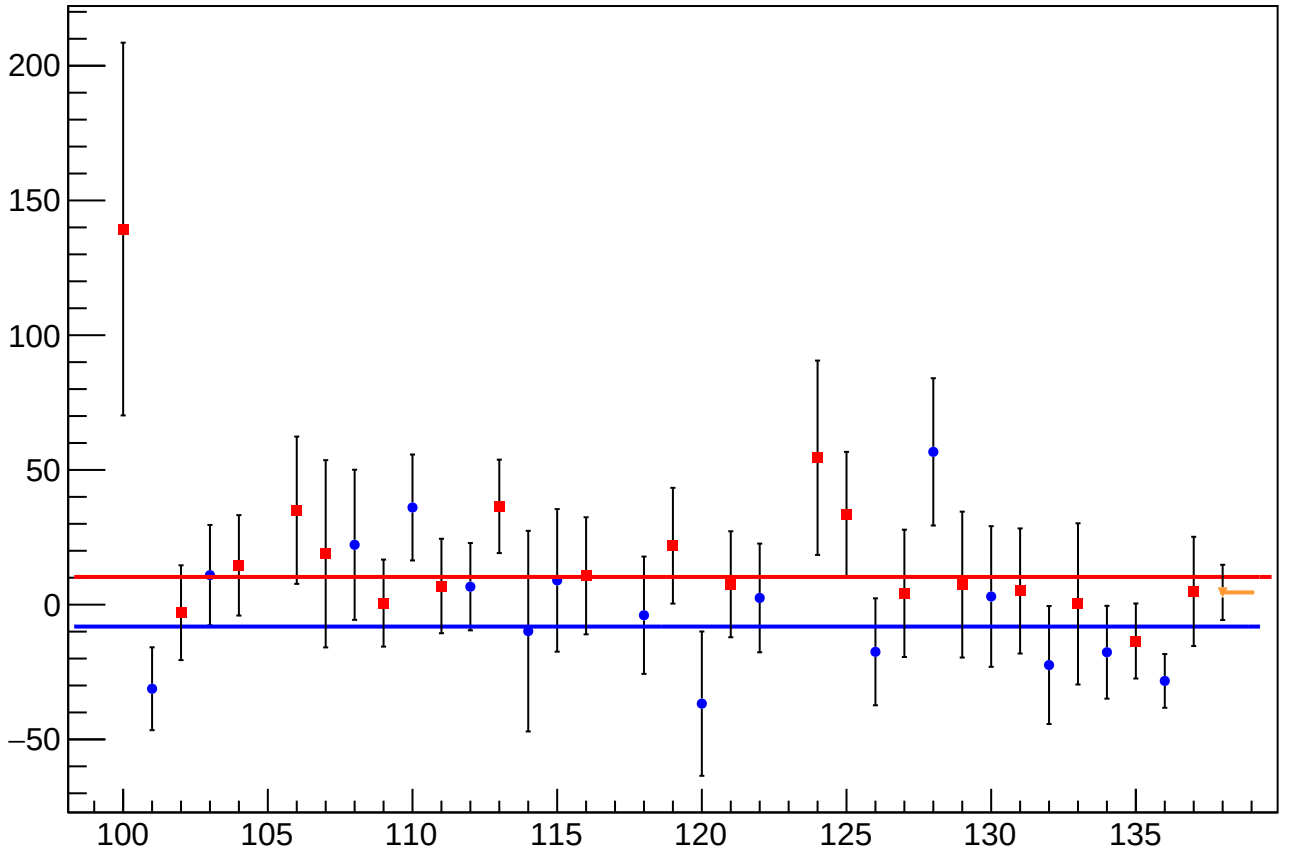
Left: 530.091+/-0.427 χ^2/NDF: 0.0/0

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 608.063+/-0.181 χ^2/NDF:2852722.1/15

Out: 617.147+/-0.171 χ^2/NDF:2838098.9/19

All: 612.850+/-0.124 χ^2/NDF: 5692151.4/35



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: 4.544+/-10.254 χ^2/NDF:0.0/0

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

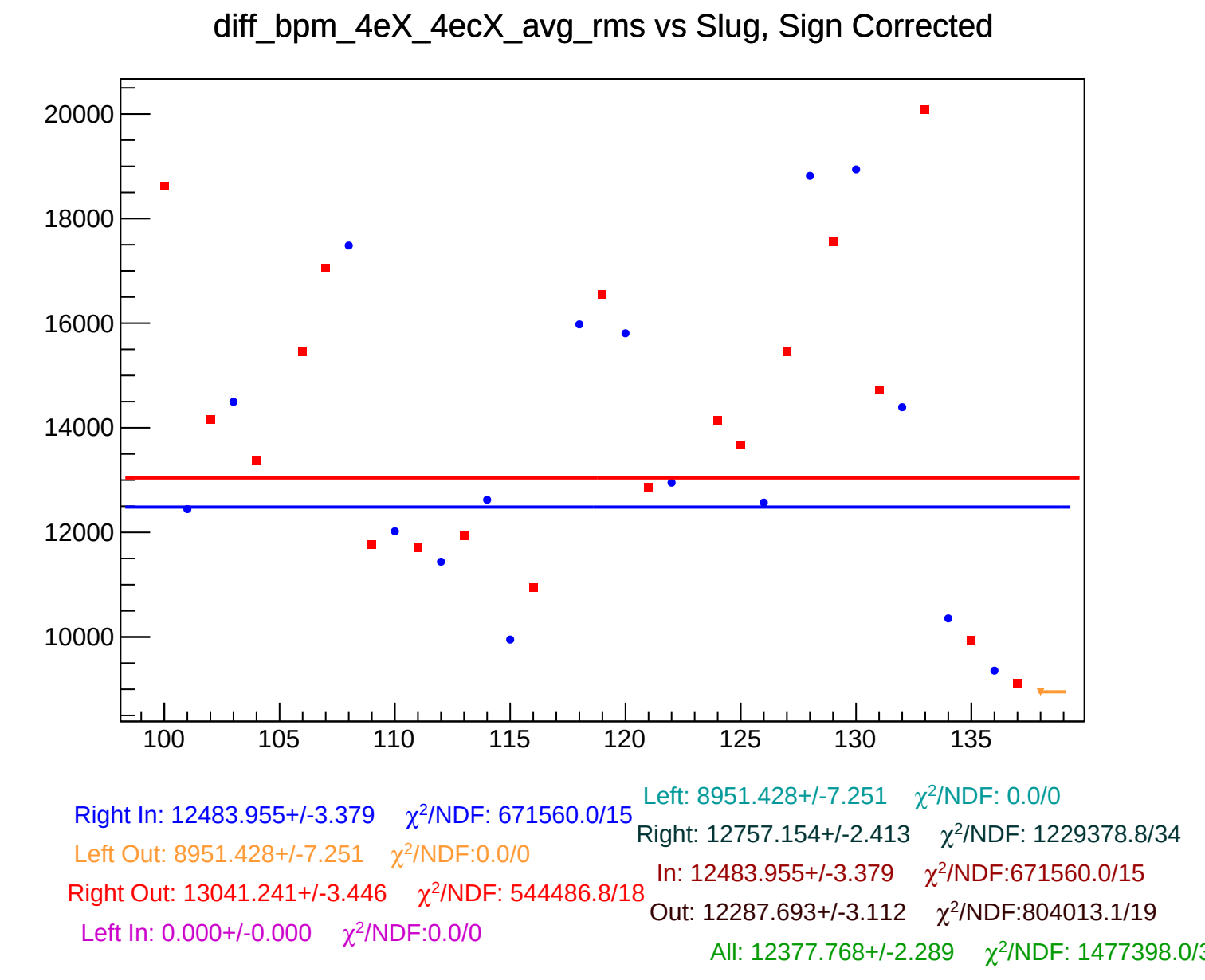
Left: 4.544+/-10.254 χ^2/NDF: 0.0/0

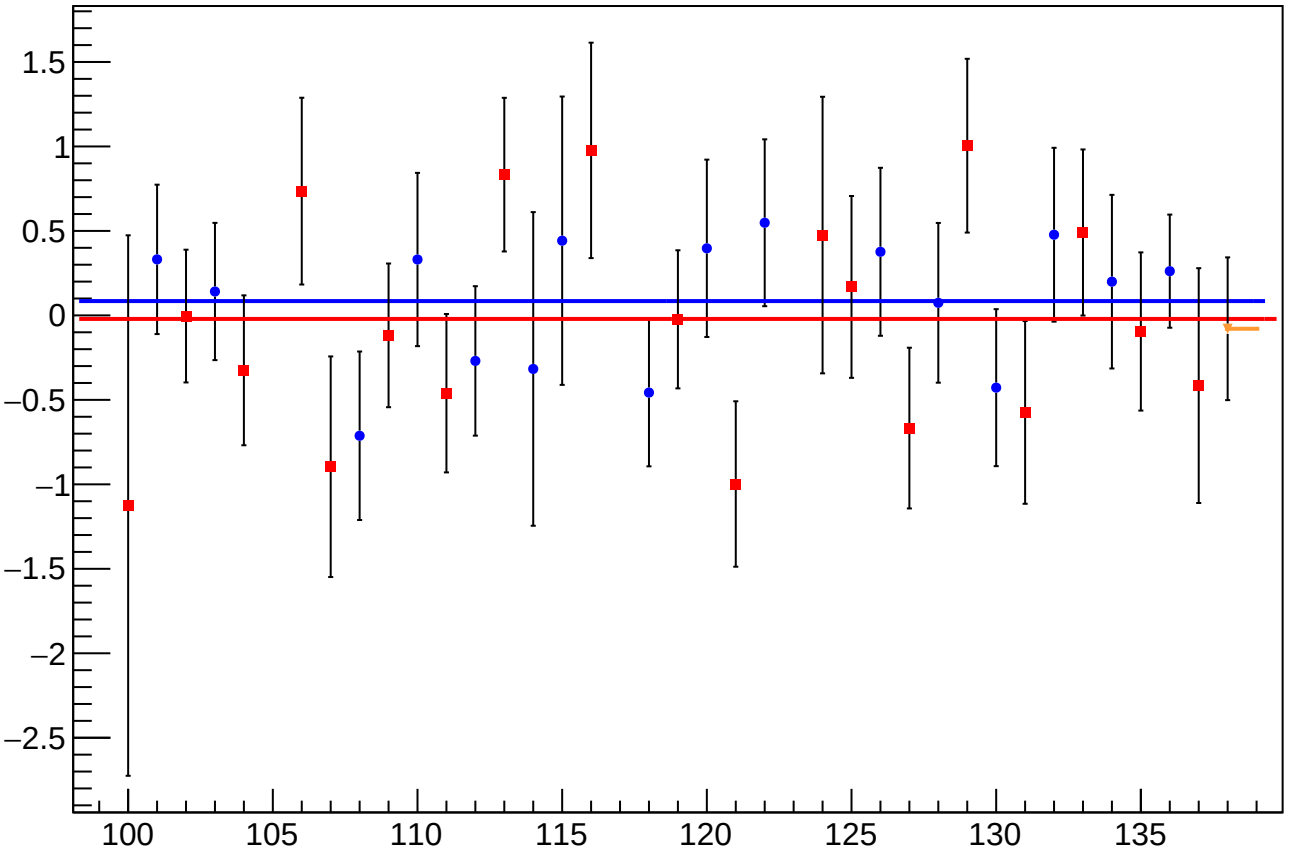
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -8.132+/-4.779 χ^2/NDF:23.1/15

Out: 9.229+/-4.402 χ^2/NDF:13.9/19

All: 1.261+/-3.238 χ^2/NDF: 44.2/35


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
100
105
110
115
120
125
130
135
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 8951.428+/-7.251 χ²/NDF:0.0/0
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 8951.428+/-7.251 χ²/NDF: 0.0/0
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 12483.955+/-3.379 χ²/NDF:671560.0/15
Out: 12287.693+/-3.112 χ²/NDF:804013.1/19
All: 12377.768+/-2.289 χ²/NDF: 1477398.0/3



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: -0.079+/-0.422 χ^2/NDF:0.0/0

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

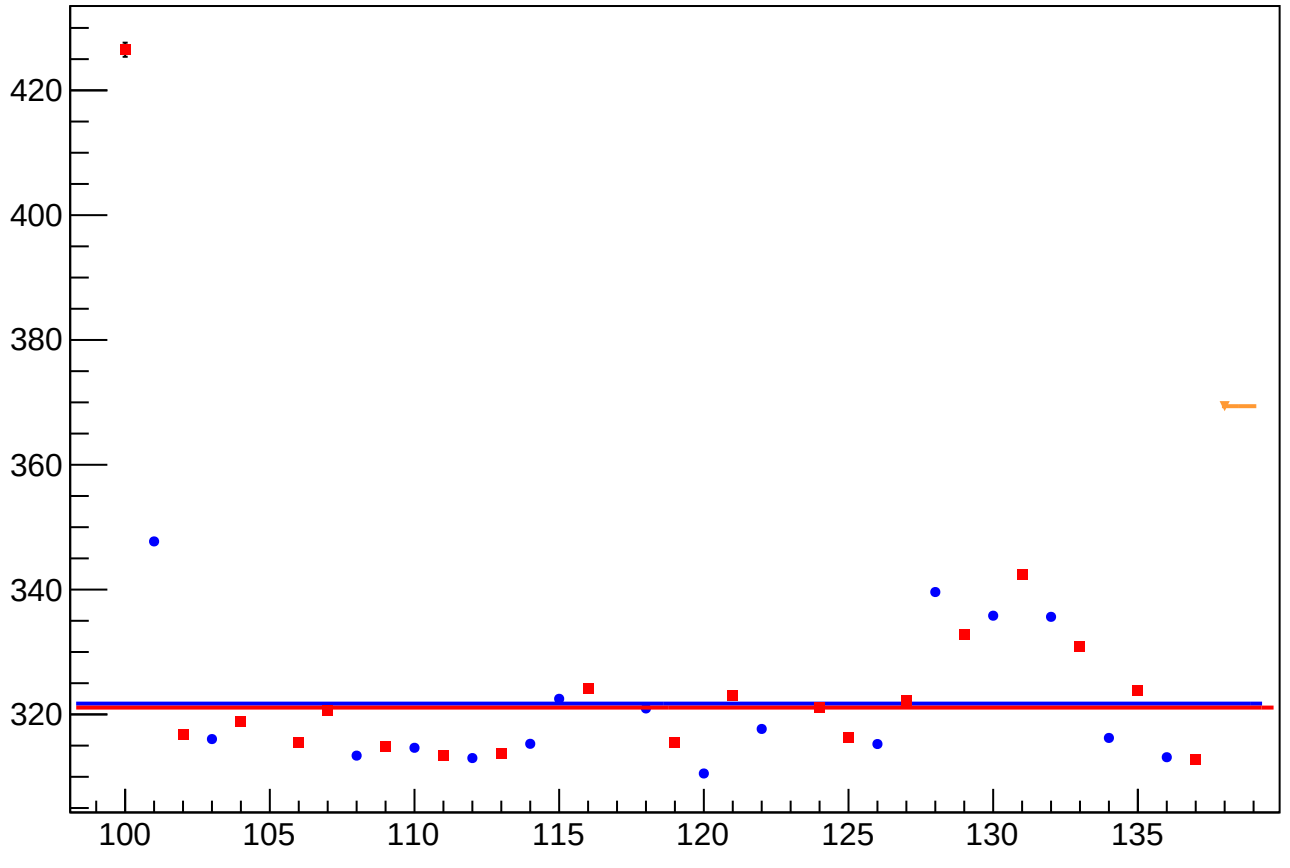
Left: -0.079+/-0.422 χ^2/NDF: 0.0/0

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.085+/-0.120 χ^2/NDF:9.4/15

Out: -0.025+/-0.113 χ^2/NDF:24.3/19

All: 0.027+/-0.082 χ^2/NDF: 34.1/35



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 369.390+/-0.299 χ^2/NDF:0.0/0

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

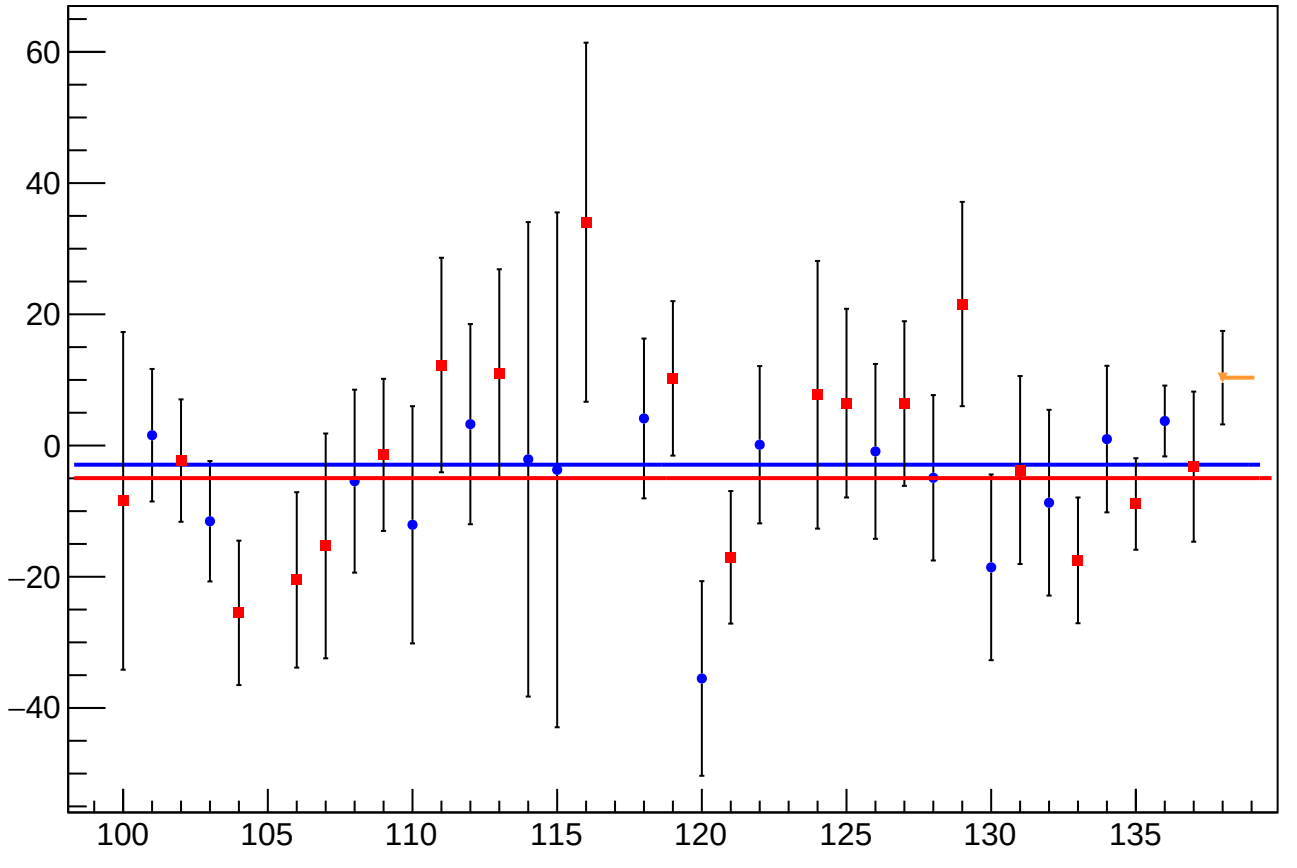
Left: 369.390+/-0.299 χ^2/NDF: 0.0/0

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 321.727+/-0.085 χ^2/NDF:18214.6/15

Out: 324.560+/-0.080 χ^2/NDF:40840.2/19

All: 323.228+/-0.058 χ^2/NDF: 59643.7/35



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 10.343+/-7.122 χ^2/NDF:0.0/0

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

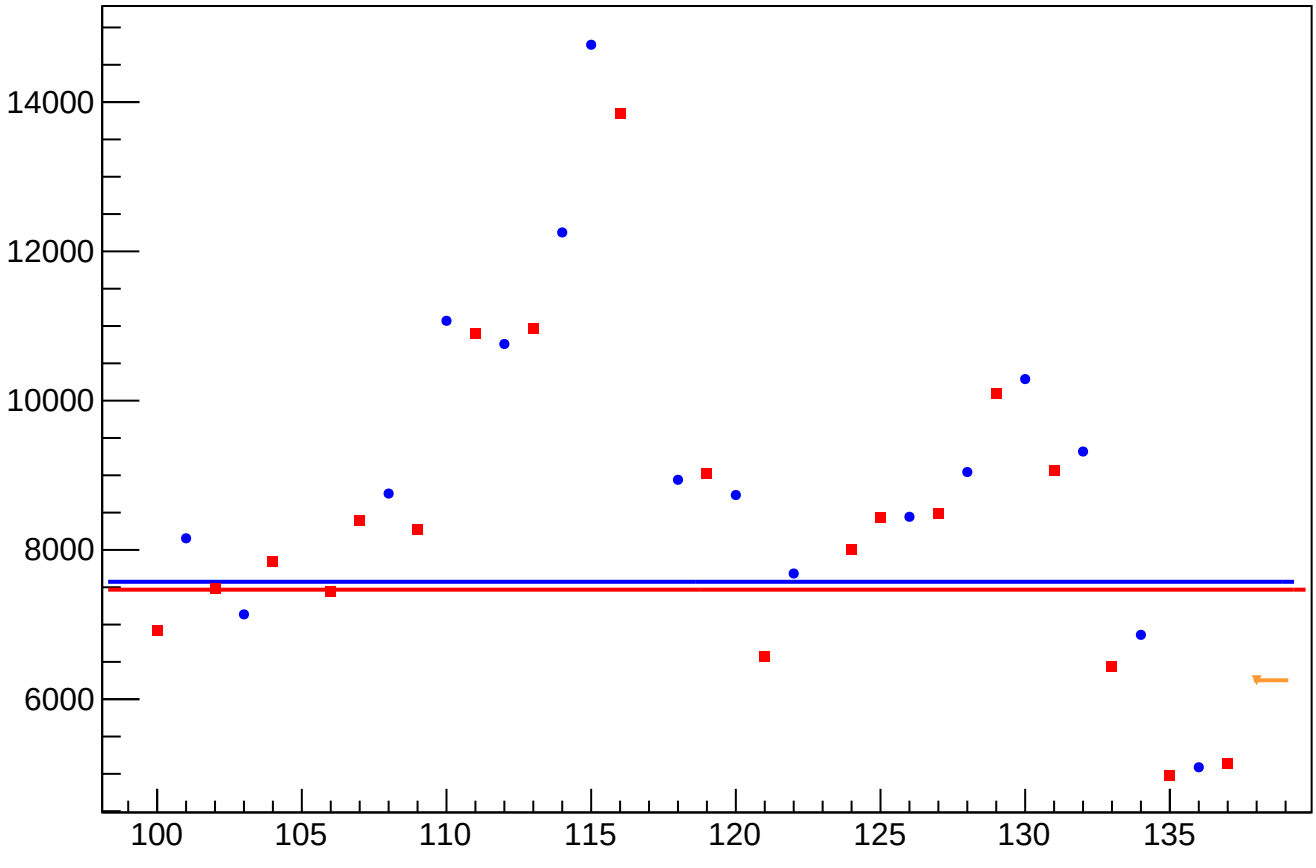
Left: 10.343+/-7.122 χ^2/NDF: 0.0/0

Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -2.922+/-2.910 χ^2/NDF:9.8/15

Out: -2.886+/-2.625 χ^2/NDF:23.4/19

All: -2.902+/-1.949 χ^2/NDF: 33.3/35



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6253.622+/-5.036 χ^2/NDF:0.0/0

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

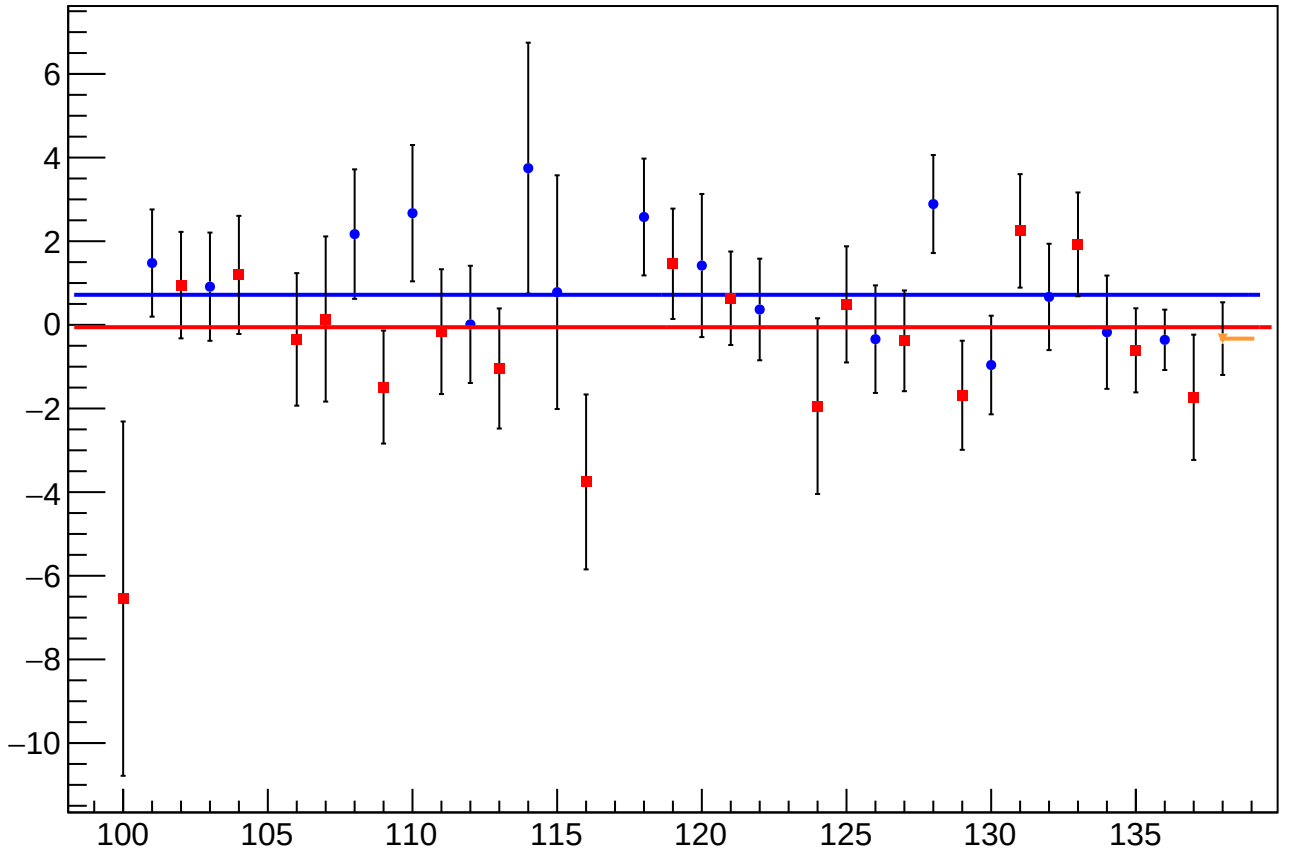
Left: 6253.622+/-5.036 χ^2/NDF: 0.0/0

Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 7573.161+/-2.058 χ^2/NDF:897588.4/15

Out: 7302.576+/-1.856 χ^2/NDF:878553.0/19

All: 7423.966+/-1.378 χ^2/NDF: 1785673.9/35



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.329+/-0.869 χ^2/NDF:0.0/0

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

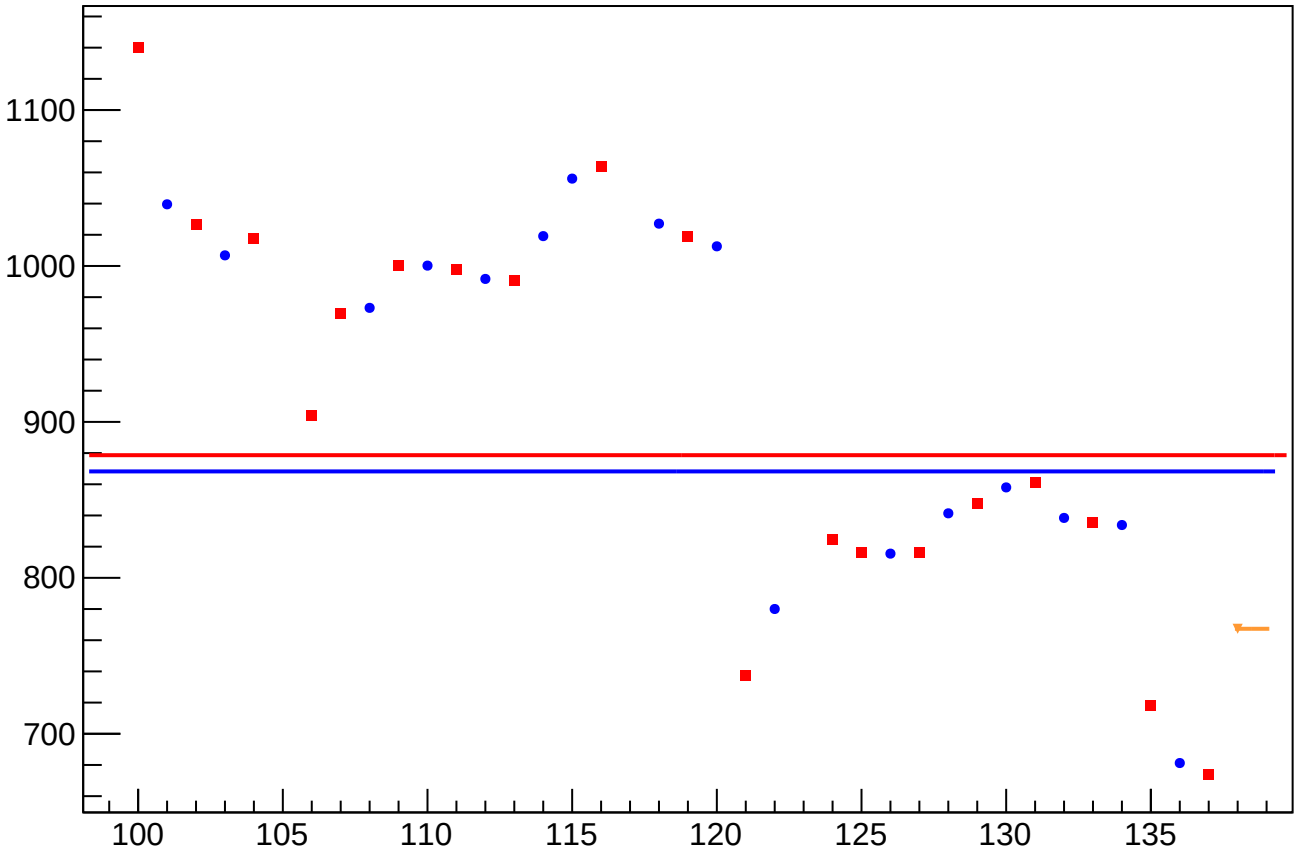
Left: -0.329+/-0.869 χ^2/NDF: 0.0/0

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.719+/-0.326 χ^2/NDF:14.8/15

Out: -0.089+/-0.303 χ^2/NDF:19.9/19

All: 0.286+/-0.222 χ^2/NDF: 38.0/35



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 767.331+/-0.614 χ^2/NDF:0.0/0

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

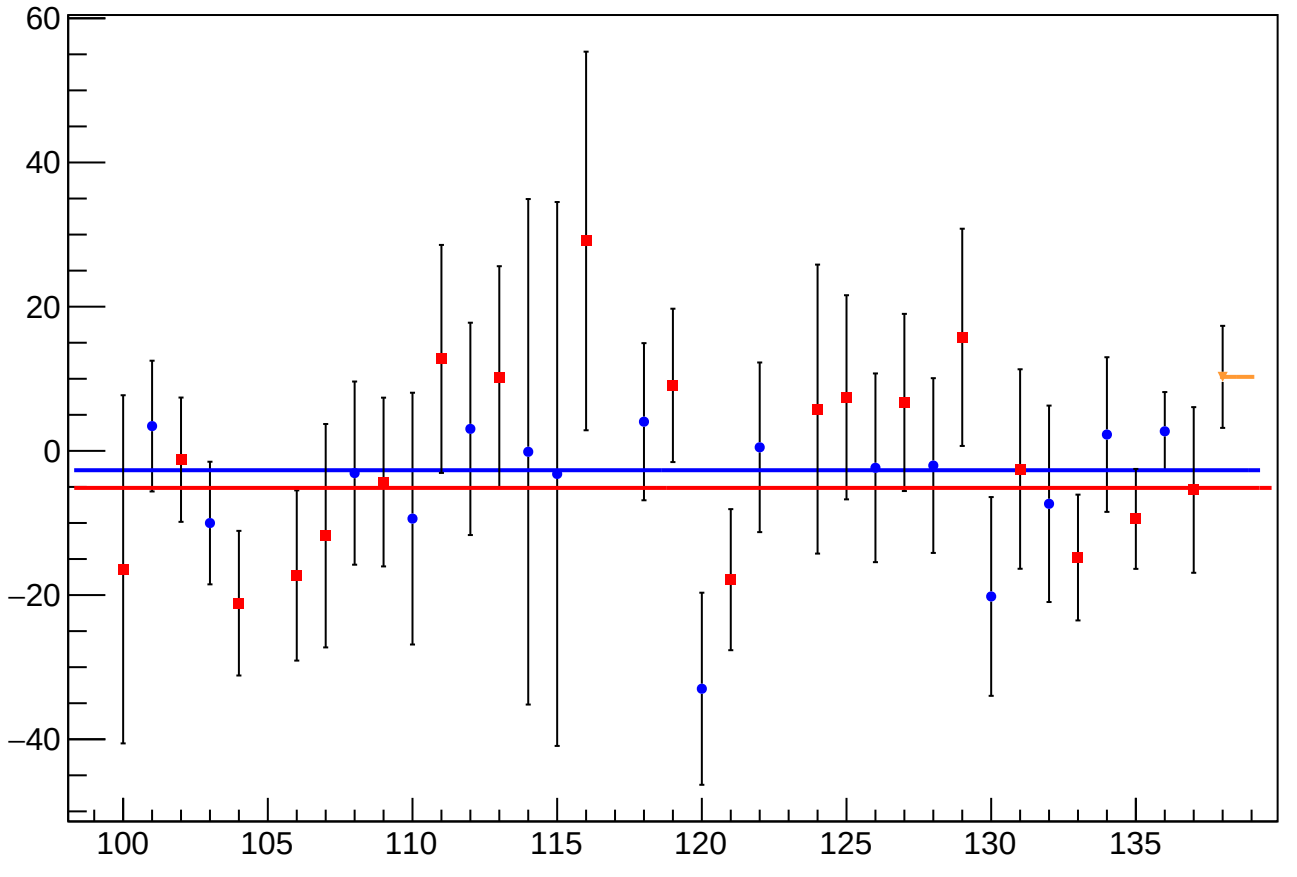
Left: 767.331+/-0.614 χ^2/NDF: 0.0/0

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 868.253+/-0.230 χ^2/NDF:302409.6/15

Out: 865.109+/-0.214 χ^2/NDF:301381.1/19

All: 866.567+/-0.157 χ^2/NDF: 603890.5/35



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 10.264+/-7.077 χ^2/NDF:0.0/0

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

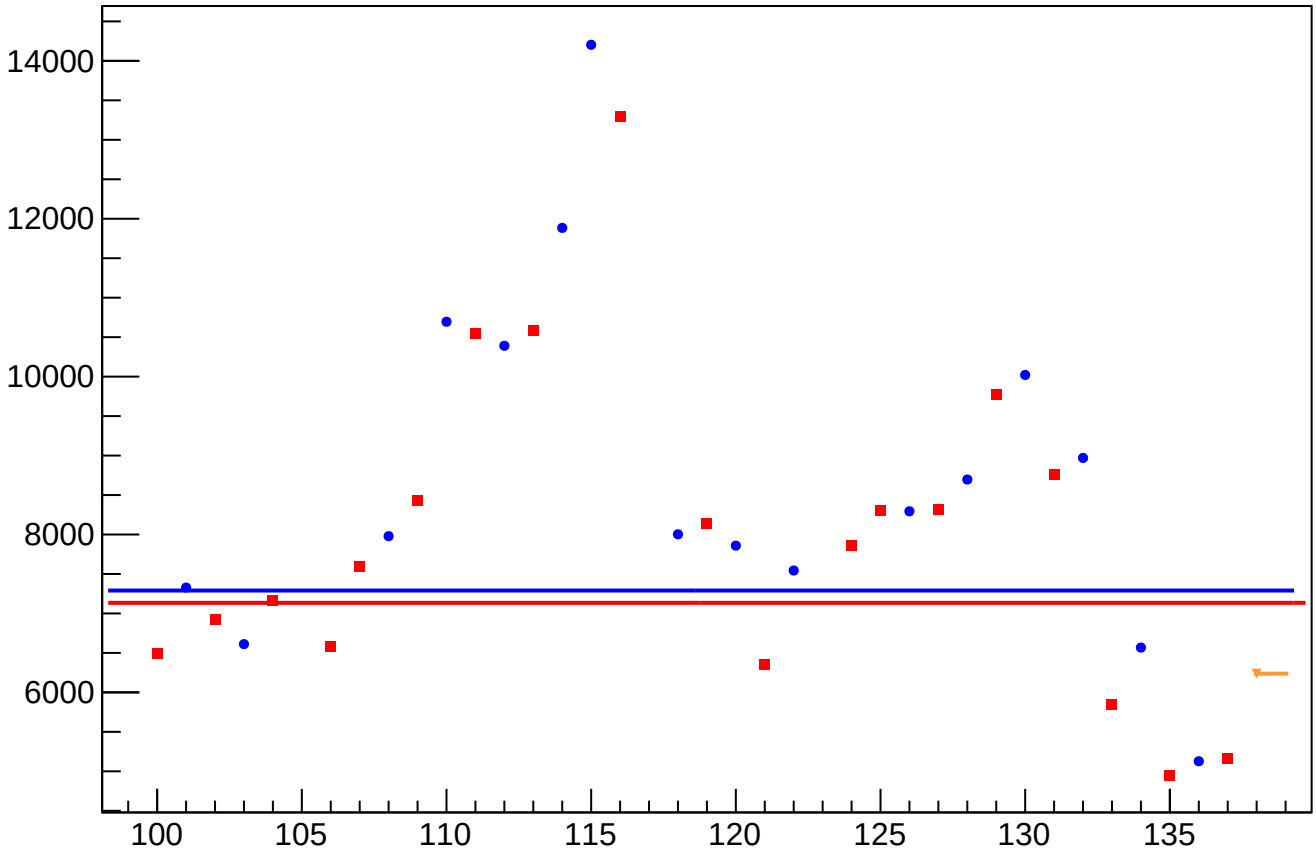
Left: 10.264+/-7.077 χ^2/NDF: 0.0/0

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -2.683+/-2.788 χ^2/NDF:10.1/15

Out: -3.190+/-2.516 χ^2/NDF:21.4/19

All: -2.963+/-1.868 χ^2/NDF: 31.5/35



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6237.092+/-5.005 χ^2/NDF:0.0/0

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

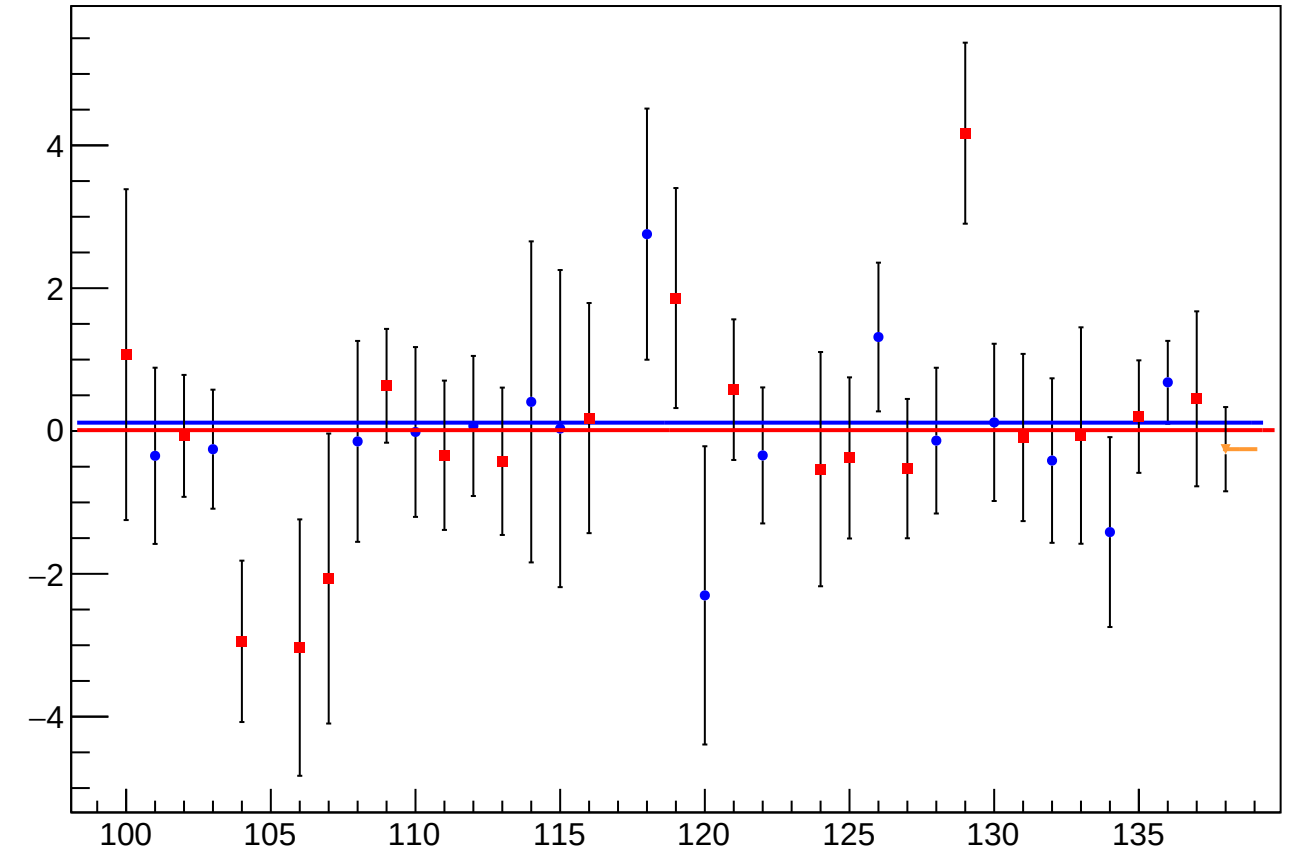
Left: 6237.092+/-5.005 χ^2/NDF: 0.0/0

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 7290.246+/-1.972 χ^2/NDF:770518.2/15

Out: 7021.005+/-1.779 χ^2/NDF:820874.1/19

All: 7141.849+/-1.321 χ^2/NDF: 1601671.4/35



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.254+/-0.590 χ^2/NDF:0.0/0

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

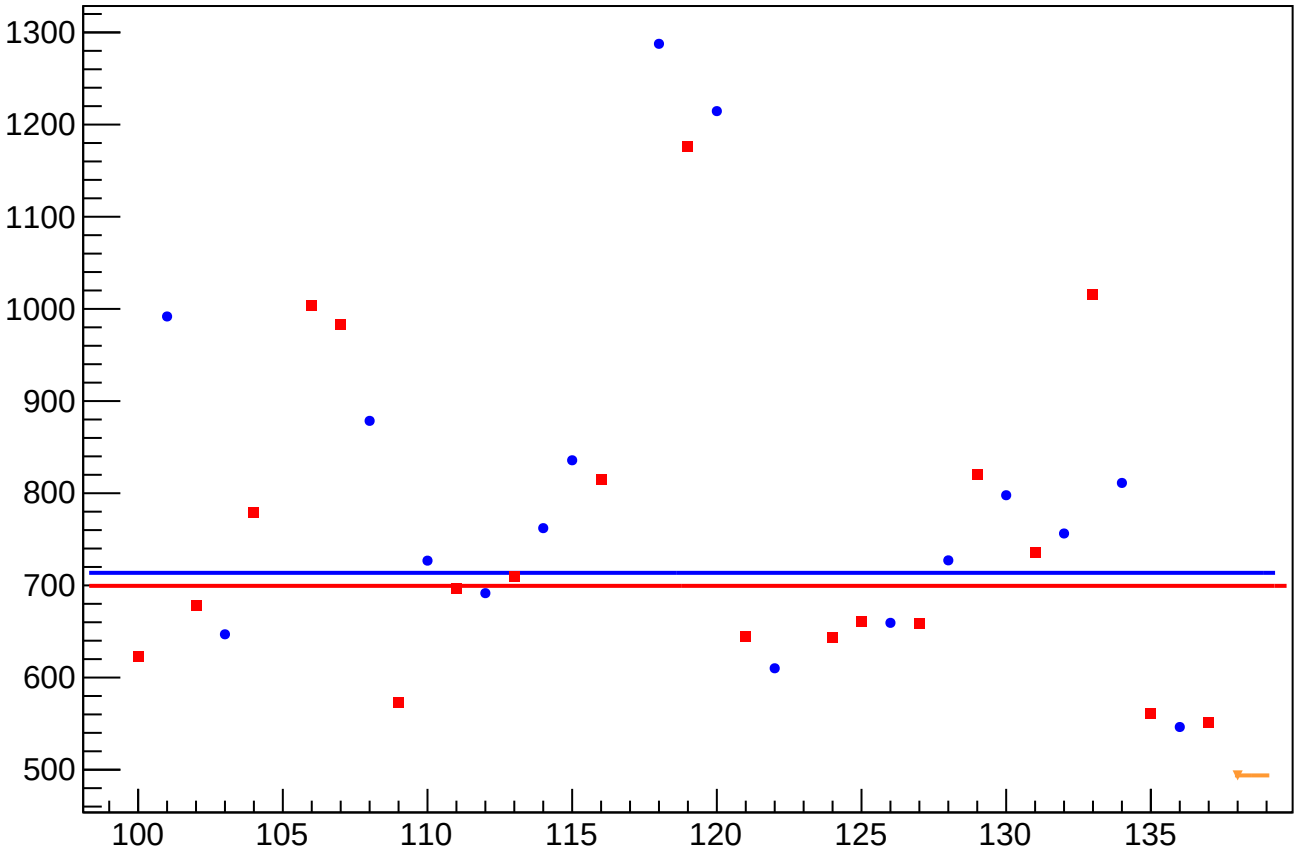
Left: -0.254+/-0.590 χ^2/NDF: 0.0/0

Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.117+/-0.273 χ^2/NDF:8.1/15

Out: -0.032+/-0.240 χ^2/NDF:25.3/19

All: 0.033+/-0.180 χ^2/NDF: 33.6/35



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 493.824+/-0.417 χ^2/NDF:0.0/0

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

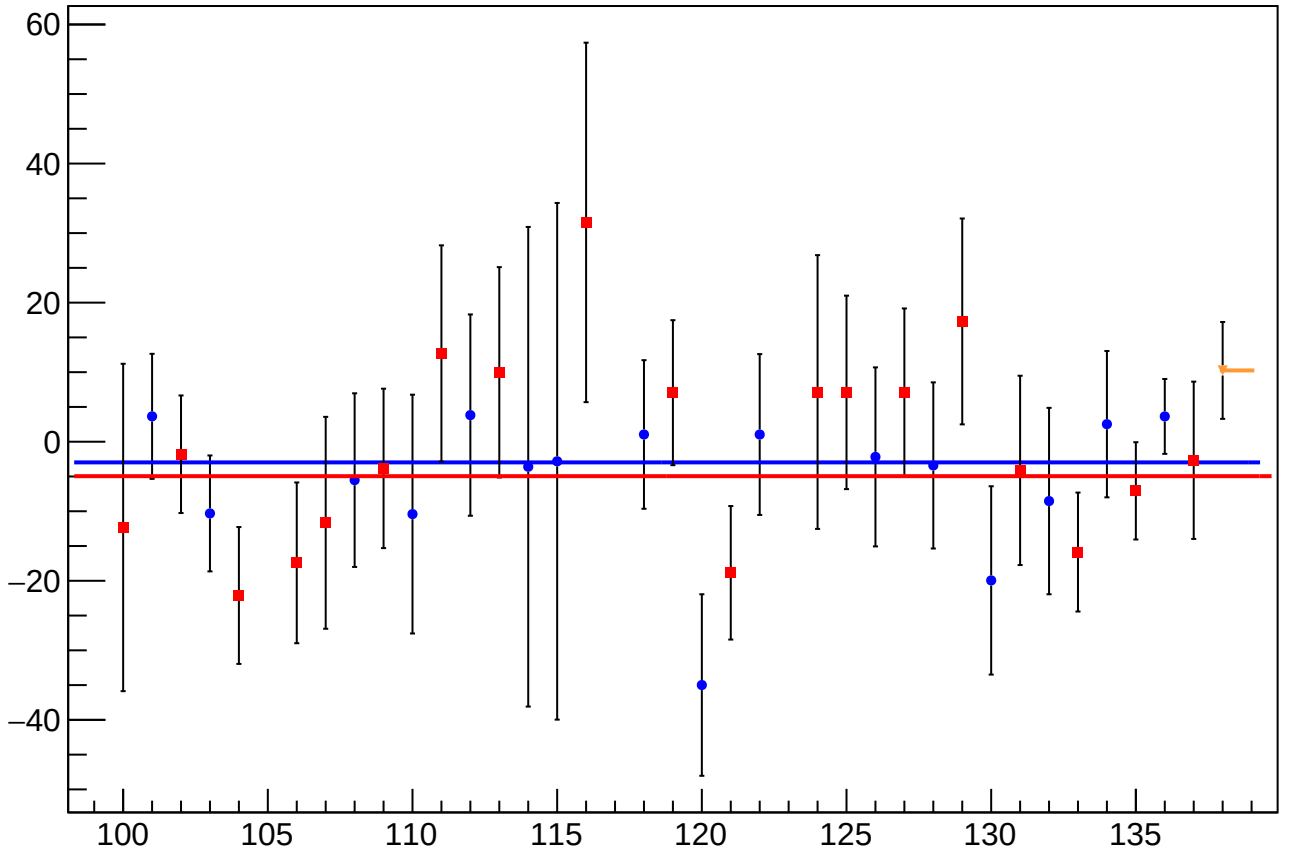
Left: 493.824+/-0.417 χ^2/NDF: 0.0/0

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 713.627+/-0.193 χ^2/NDF:699303.9/15

Out: 665.354+/-0.170 χ^2/NDF:778528.2/19

All: 686.420+/-0.128 χ^2/NDF: 1513035.2/35



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 10.251+/-6.967 χ^2/NDF:0.0/0

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

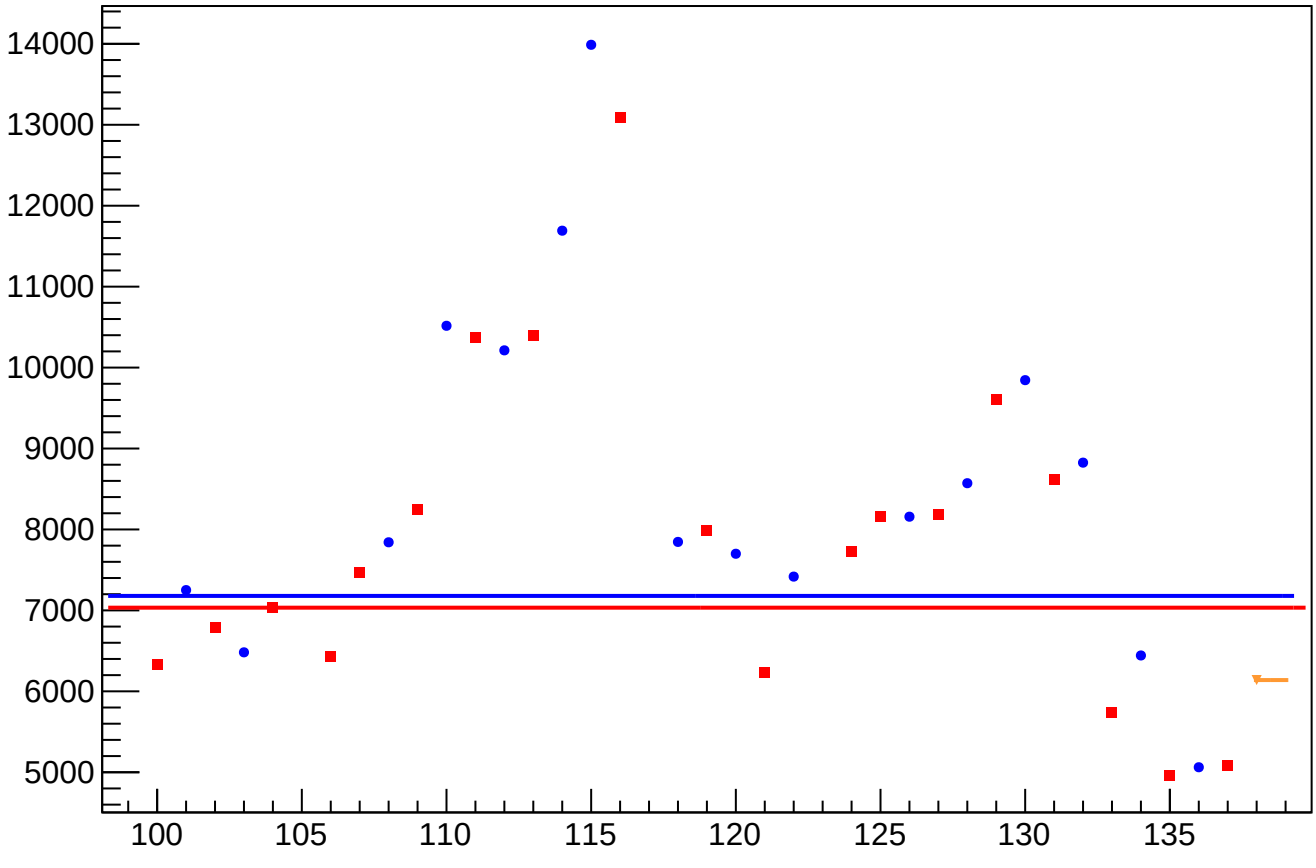
Left: 10.251+/-6.967 χ^2/NDF: 0.0/0

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -2.974+/-2.746 χ^2/NDF:11.6/15

Out: -3.029+/-2.479 χ^2/NDF:22.6/19

All: -3.004+/-1.840 χ^2/NDF: 34.2/35



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6139.168+/-4.926 χ^2/NDF:0.0/0

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

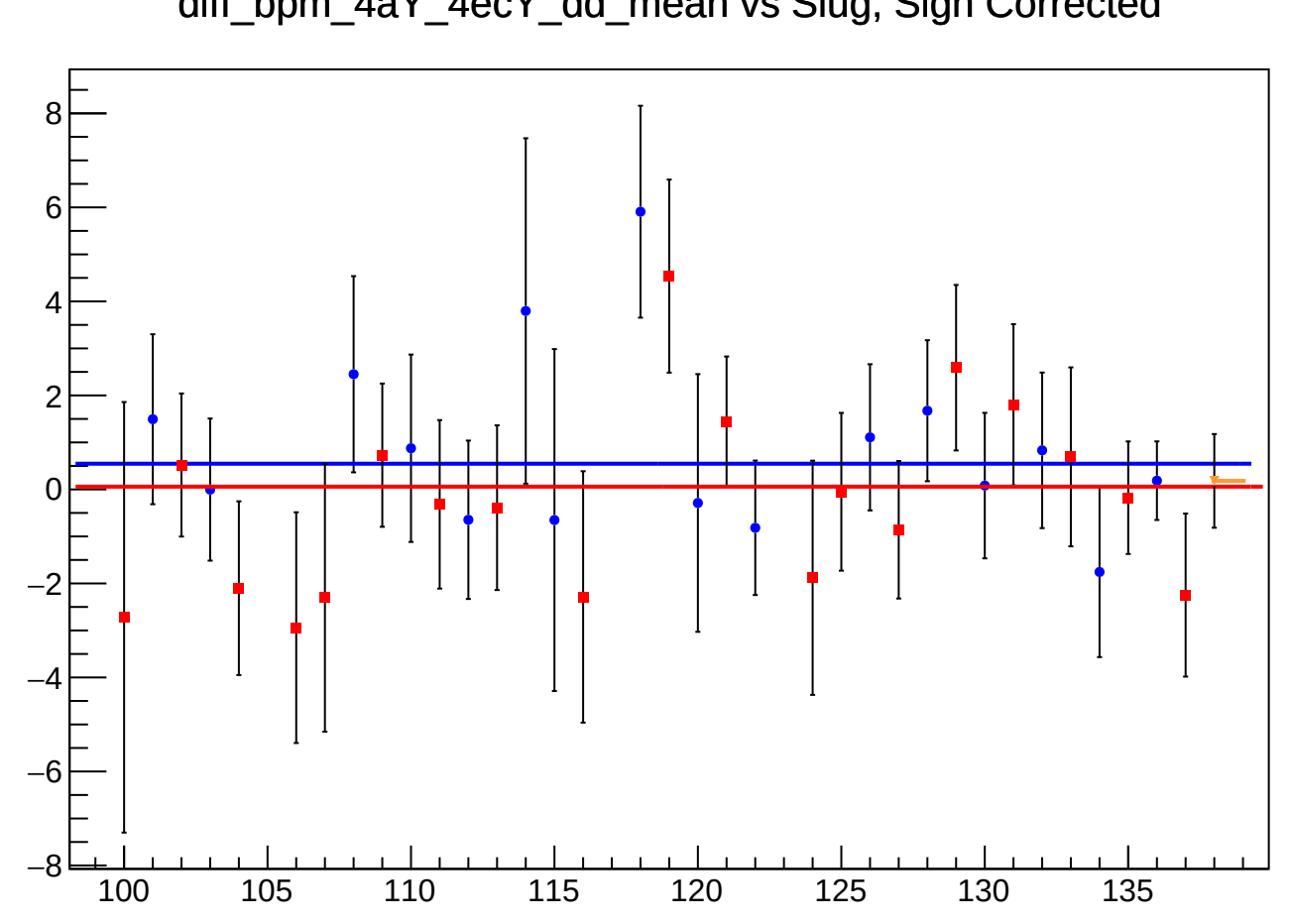
Left: 6139.168+/-4.926 χ^2/NDF: 0.0/0

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 7178.925+/-1.942 χ^2/NDF:761936.2/15

Out: 6920.260+/-1.753 χ^2/NDF:795173.5/19

All: 7036.432+/-1.301 χ^2/NDF: 1566885.4/35



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.182+/-0.996 χ^2/NDF:0.0/0

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

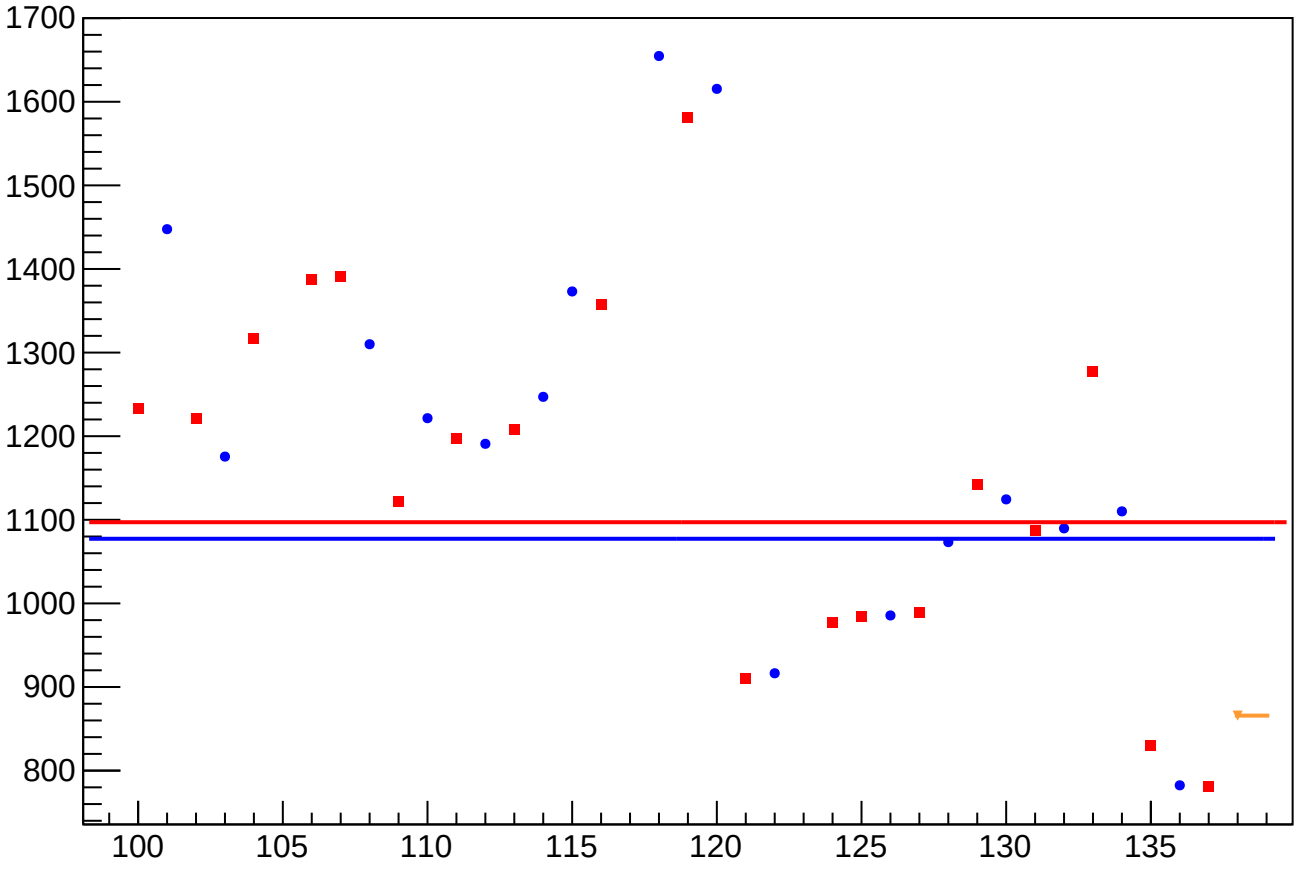
Left: 0.182+/-0.996 χ^2/NDF: 0.0/0

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.547+/-0.411 χ^2/NDF:11.9/15

Out: 0.077+/-0.378 χ^2/NDF:16.9/19

All: 0.293+/-0.278 χ^2/NDF: 29.5/35



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 865.789+/-0.704 χ^2/NDF:0.0/0

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

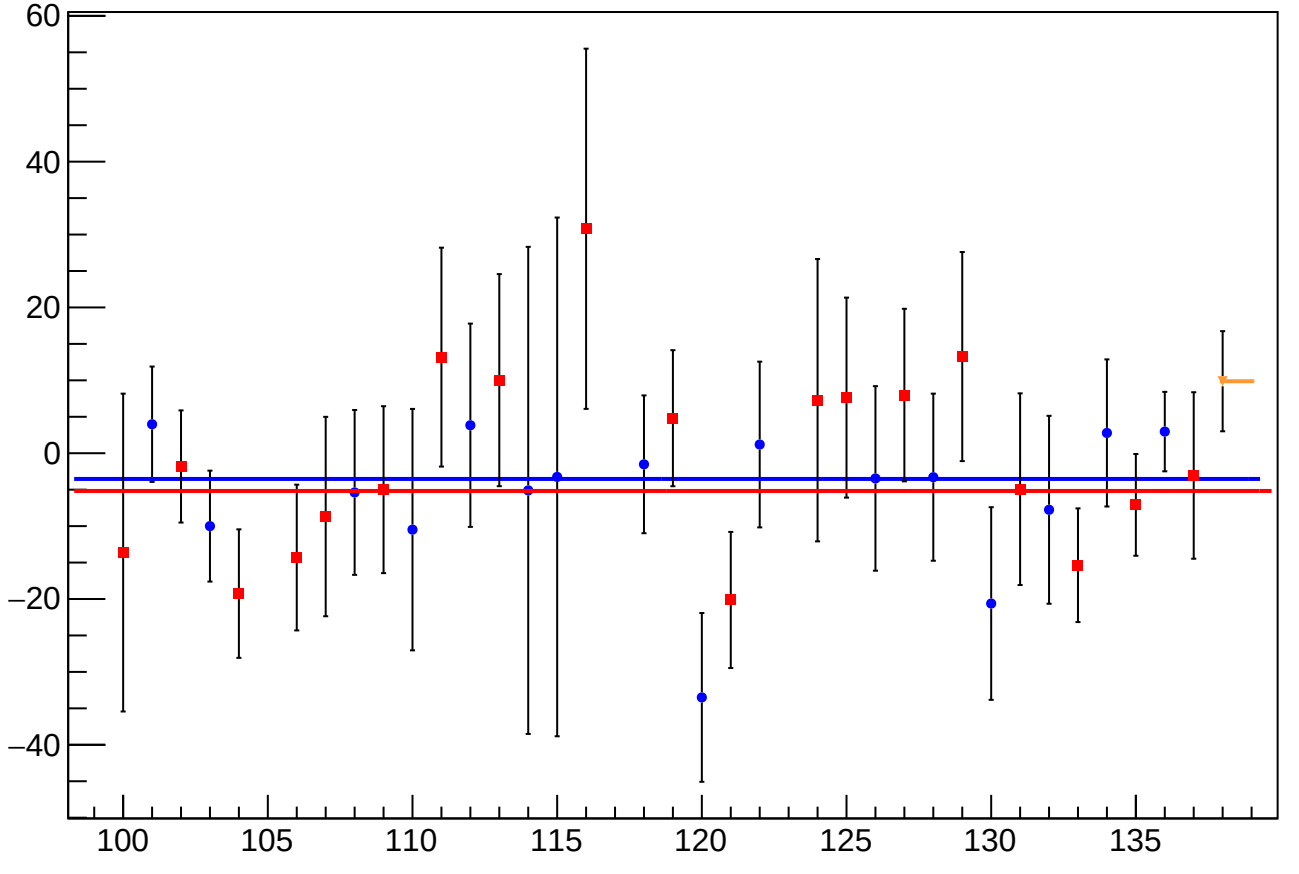
Left: 865.789+/-0.704 χ^2/NDF: 0.0/0

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1077.306+/-0.291 χ^2/NDF:646521.7/15

Out: 1063.764+/-0.267 χ^2/NDF:576655.2/19

All: 1069.976+/-0.197 χ^2/NDF: 1224352.8/35



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 9.877+/-6.869 χ^2/NDF:0.0/0

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

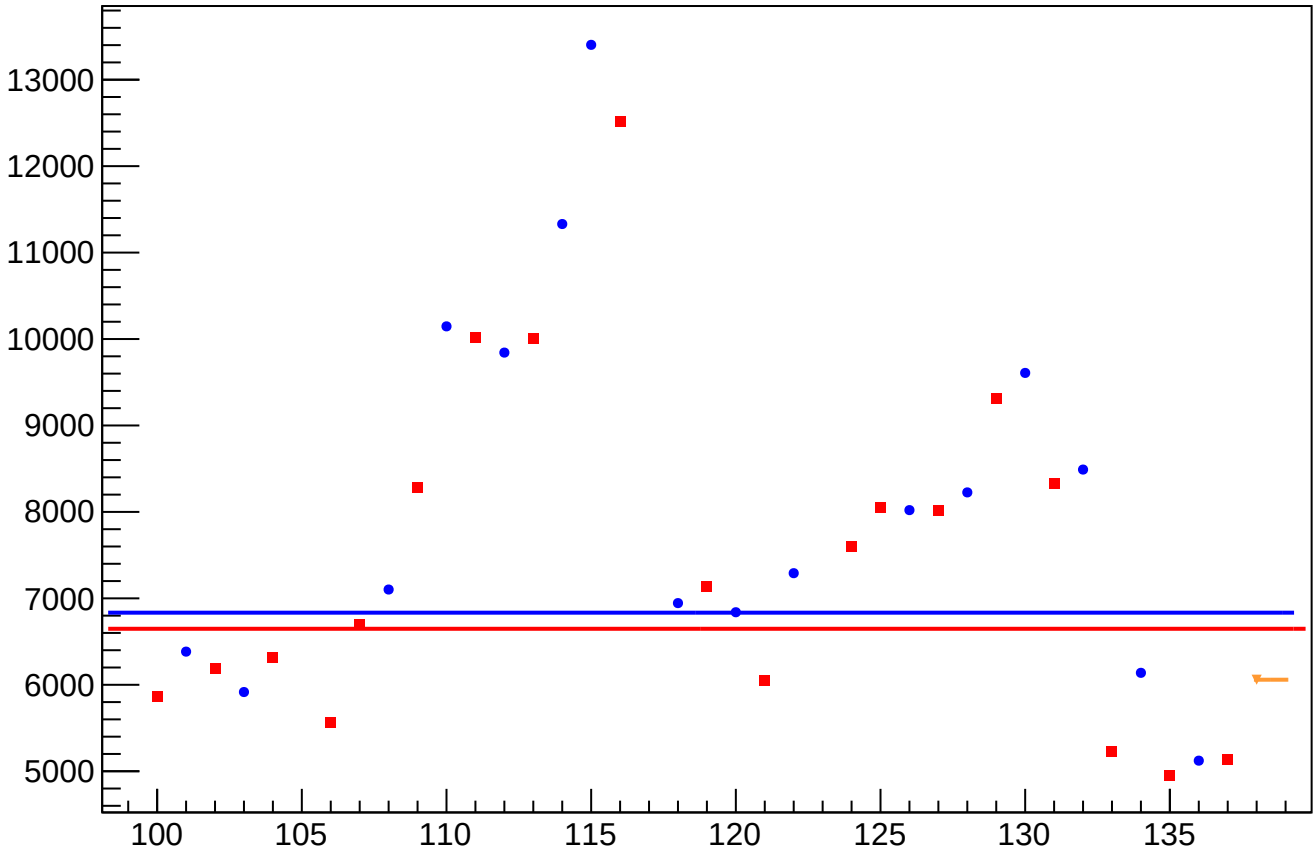
Left: 9.877+/-6.869 χ^2/NDF: 0.0/0

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -3.527+/-2.608 χ^2/NDF:12.6/15

Out: -3.405+/-2.356 χ^2/NDF:22.4/19

All: -3.460+/-1.748 χ^2/NDF: 35.1/35



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6058.876+/-4.857 χ^2/NDF:0.0/0

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

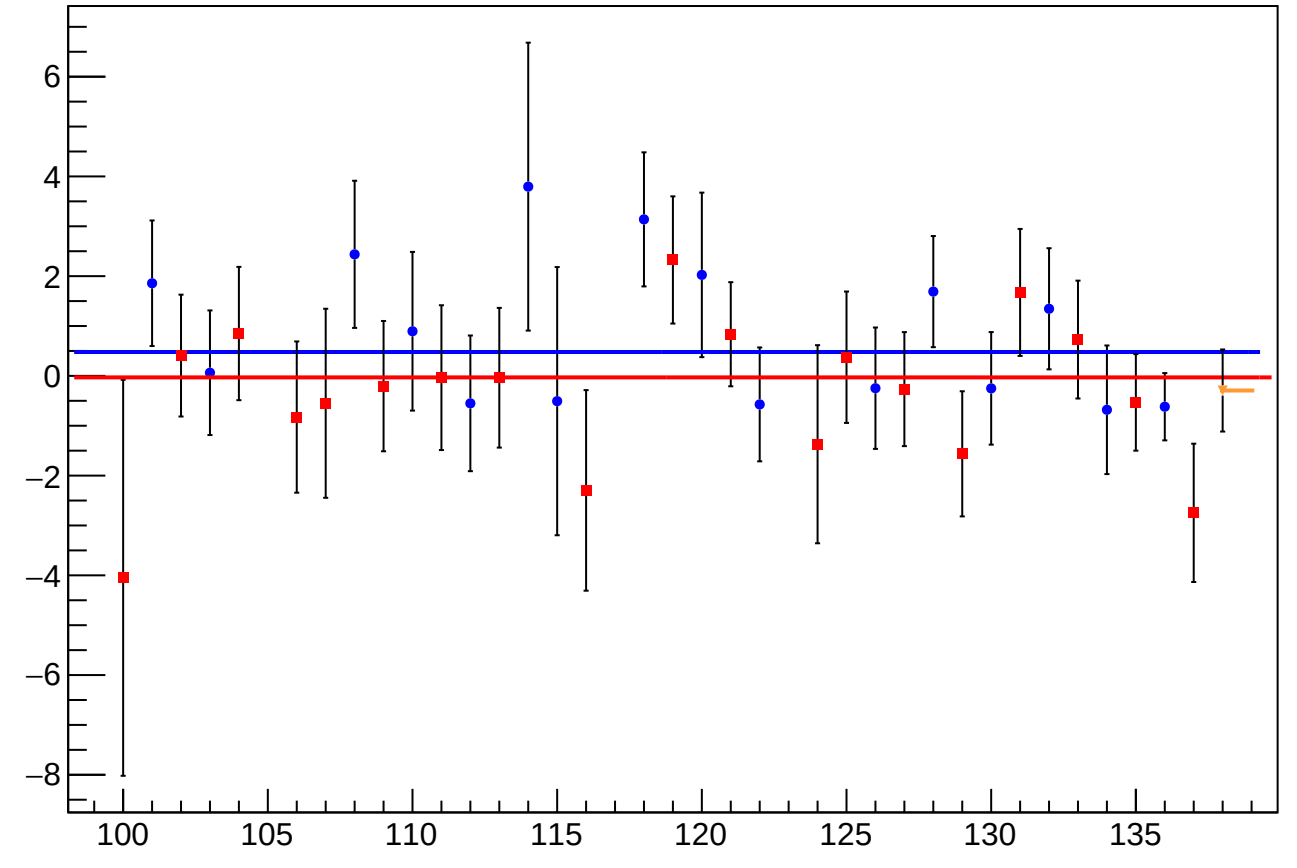
Left: 6058.876+/-4.857 χ^2/NDF: 0.0/0

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6834.346+/-1.844 χ^2/NDF:692722.6/15

Out: 6578.698+/-1.666 χ^2/NDF:798083.8/19

All: 6693.561+/-1.236 χ^2/NDF: 1501388.3/35



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.293+/-0.823 χ^2/NDF:0.0/0

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

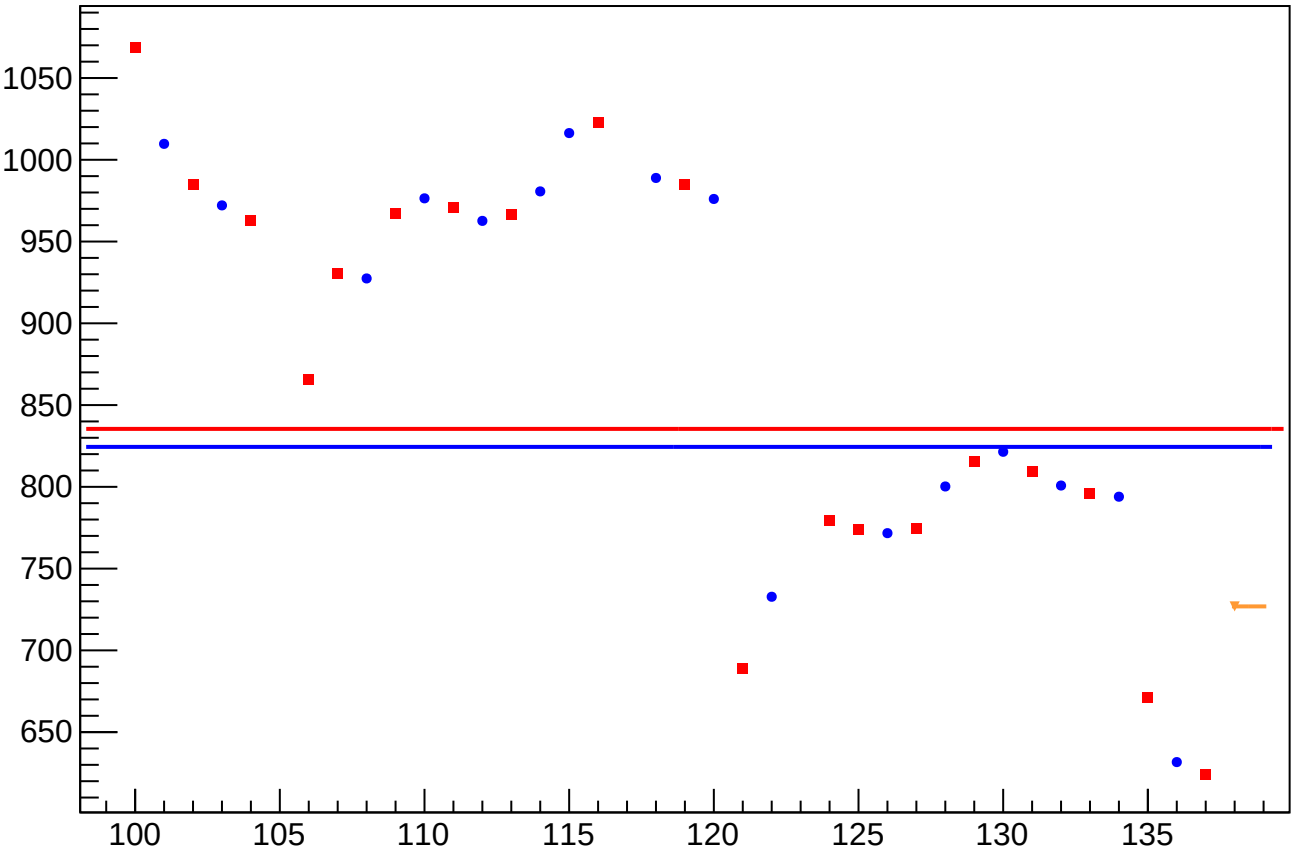
Left: -0.293+/-0.823 χ^2/NDF: 0.0/0

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.479+/-0.311 χ^2/NDF:16.7/15

Out: -0.063+/-0.289 χ^2/NDF:15.8/19

All: 0.188+/-0.212 χ^2/NDF: 34.2/35



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 726.884+/-0.582 χ^2/NDF:0.0/0

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

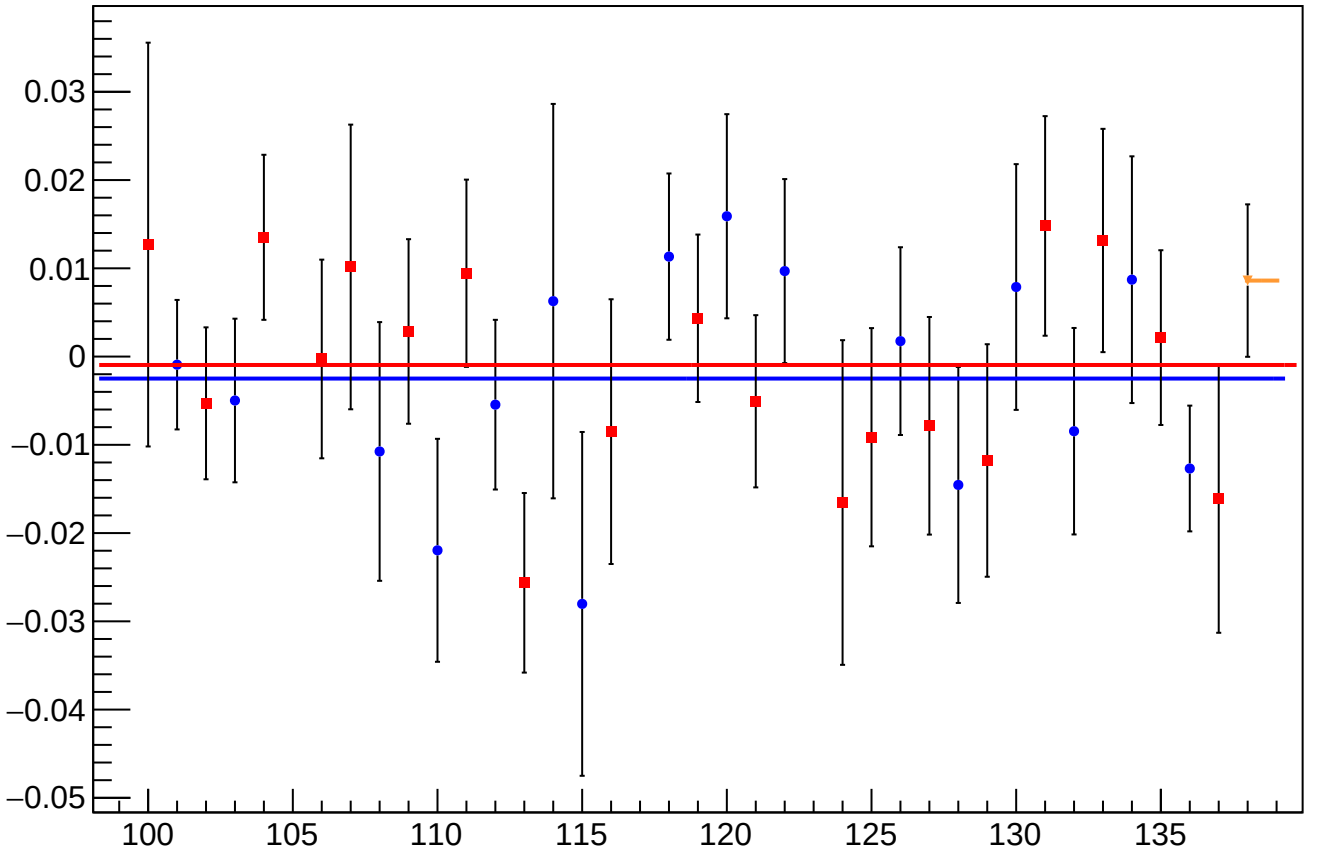
Left: 726.884+/-0.582 χ^2/NDF: 0.0/0

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 824.431+/-0.220 χ^2/NDF:365461.7/15

Out: 822.058+/-0.204 χ^2/NDF:349813.7/19

All: 823.158+/-0.150 χ^2/NDF: 715338.0/35



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.009+/-0.009 χ^2/NDF:0.0/0

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.009+/-0.009 χ^2/NDF: 0.0/0

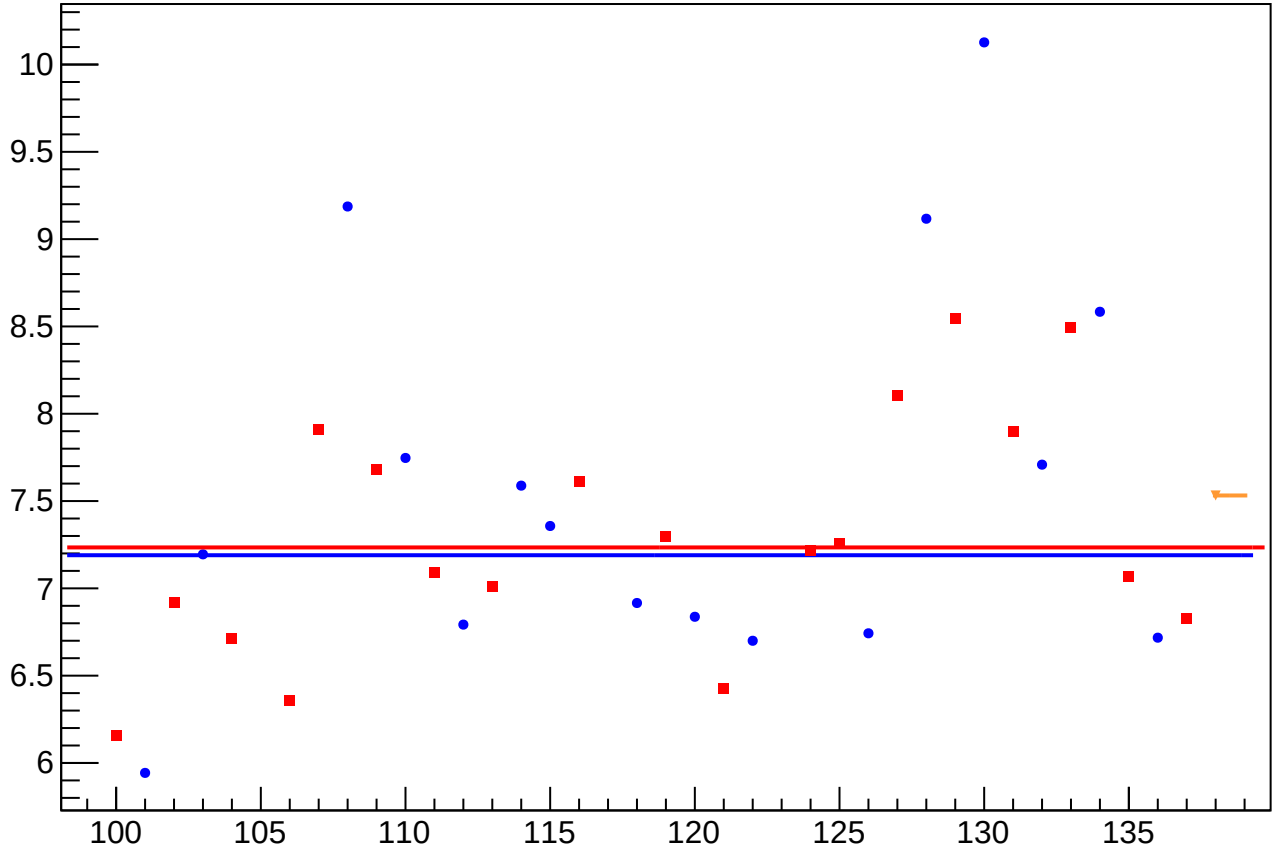
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.002+/-0.003 χ^2/NDF:15.3/15

Out: -0.000+/-0.003 χ^2/NDF:18.4/19

All: -0.001+/-0.002 χ^2/NDF: 34.1/35

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.532+/-0.006 χ^2/NDF:0.0/0

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

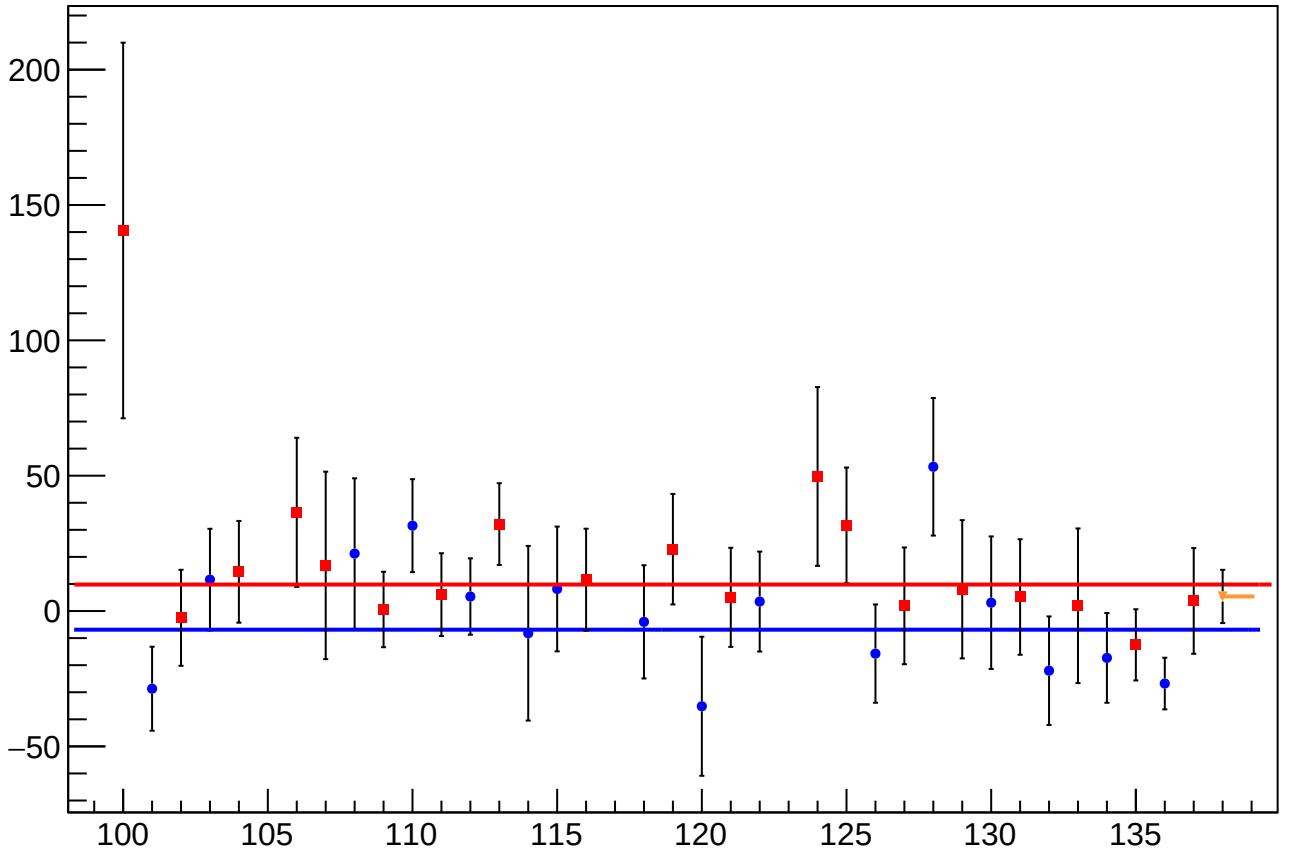
Left: 7.532+/-0.006 χ^2/NDF: 0.0/0

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.190+/-0.002 χ^2/NDF:277639.9/15

Out: 7.260+/-0.002 χ^2/NDF:108434.4/19

All: 7.227+/-0.001 χ^2/NDF: 386792.6/35



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: 5.384+/-9.836 χ^2/NDF:0.0/0

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

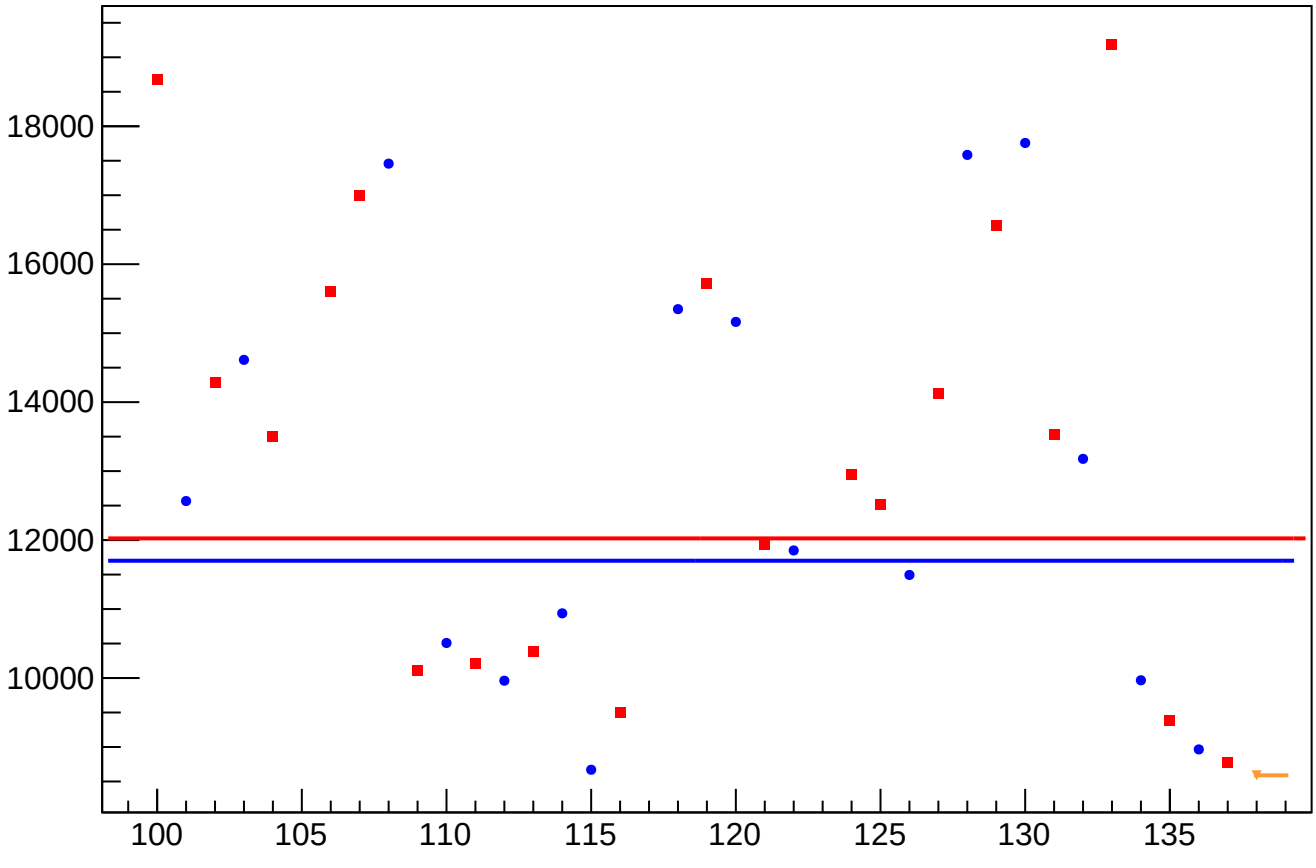
Left: 5.384+/-9.836 χ^2/NDF: 0.0/0

Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -6.891+/-4.488 χ^2/NDF:23.0/15

Out: 9.023+/-4.105 χ^2/NDF:14.2/19

All: 1.774+/-3.029 χ^2/NDF: 44.0/35



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8589.292+/-6.955 χ^2/NDF:0.0/0

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

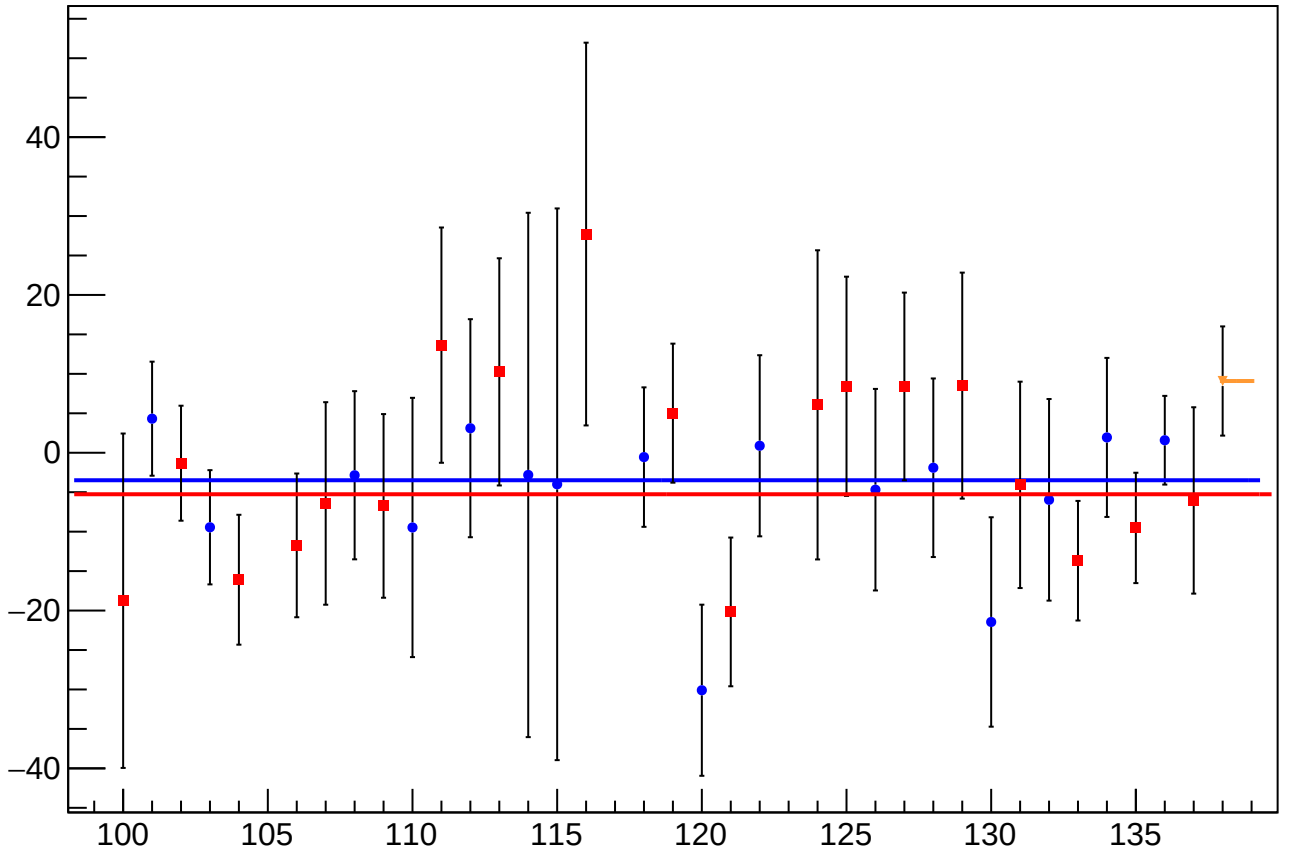
Left: 8589.292+/-6.955 χ^2/NDF: 0.0/0

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 11700.622+/-3.174 χ^2/NDF:740185.3/15

Out: 11425.949+/-2.903 χ^2/NDF:886213.0/19

All: 11551.061+/-2.142 χ^2/NDF: 1630476.7/3



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 9.092+/-6.920 χ^2/NDF:0.0/0

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

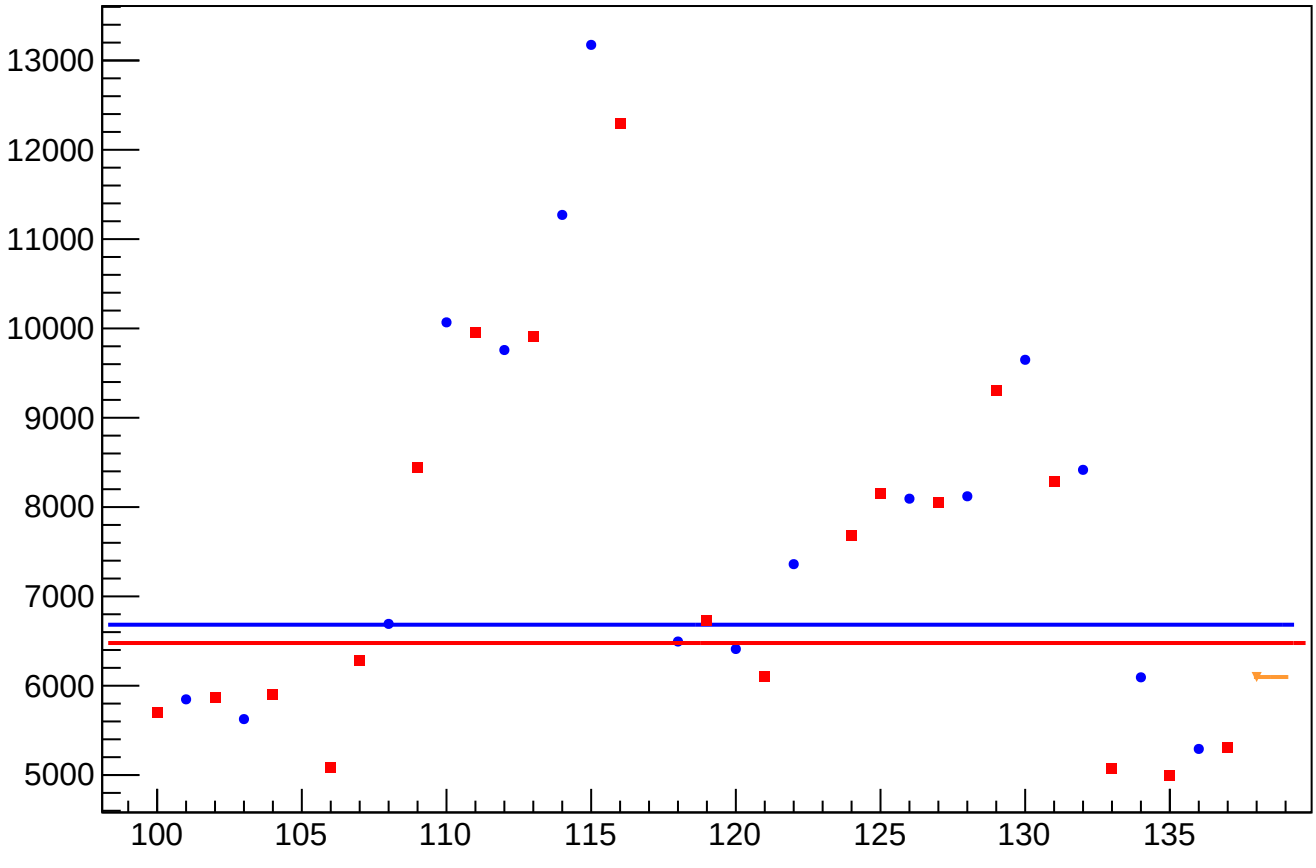
Left: 9.092+/-6.920 χ^2/NDF: 0.0/0

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -3.485+/-2.550 χ^2/NDF:11.5/15

Out: -3.665+/-2.306 χ^2/NDF:20.4/19

All: -3.584+/-1.710 χ^2/NDF: 31.9/35



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6097.443+/-4.893 χ^2/NDF:0.0/0

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

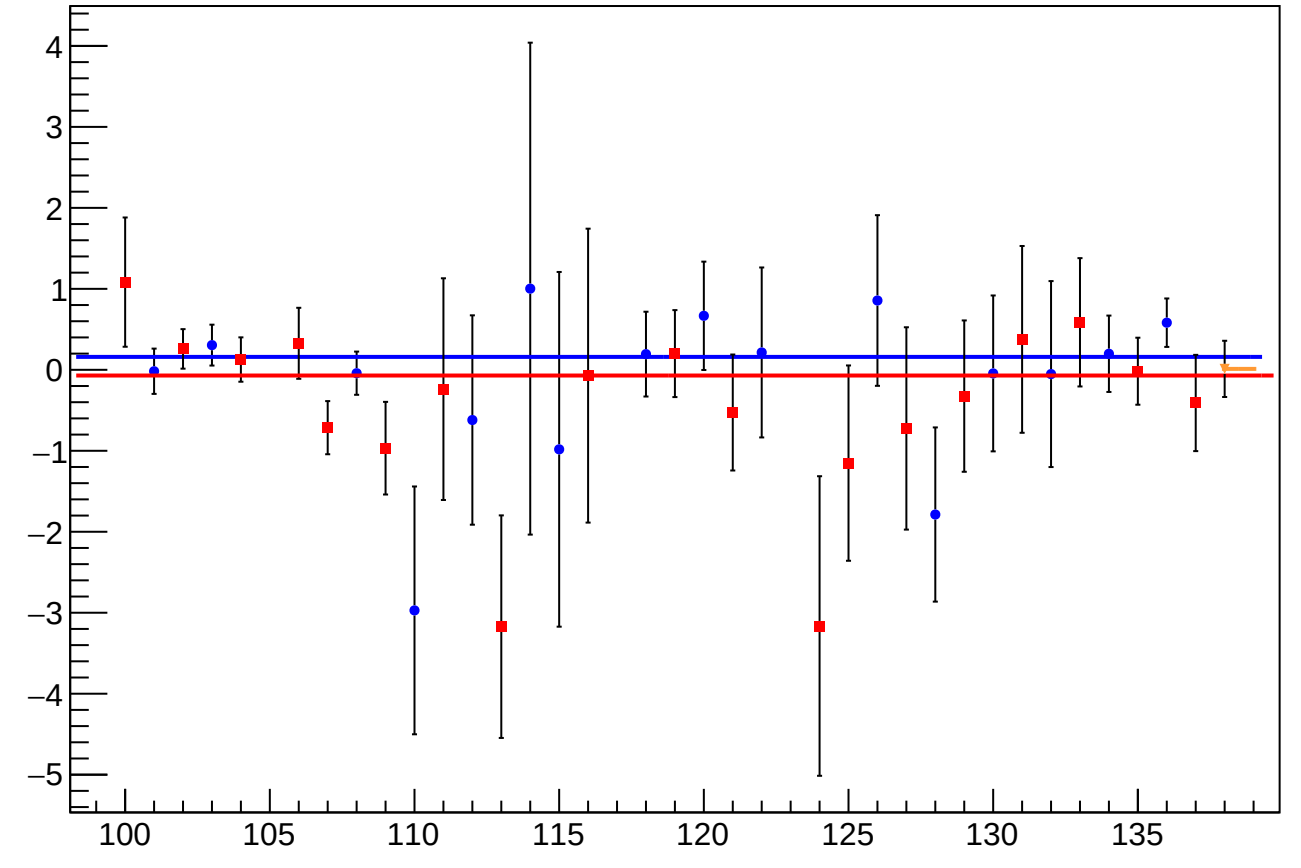
Left: 6097.443+/-4.893 χ^2/NDF: 0.0/0

Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6682.988+/-1.803 χ^2/NDF:692200.2/15

Out: 6435.839+/-1.631 χ^2/NDF:844606.6/19

All: 6547.068+/-1.209 χ^2/NDF: 1547141.9/35



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.011+/-0.347 χ^2/NDF:0.0/0

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

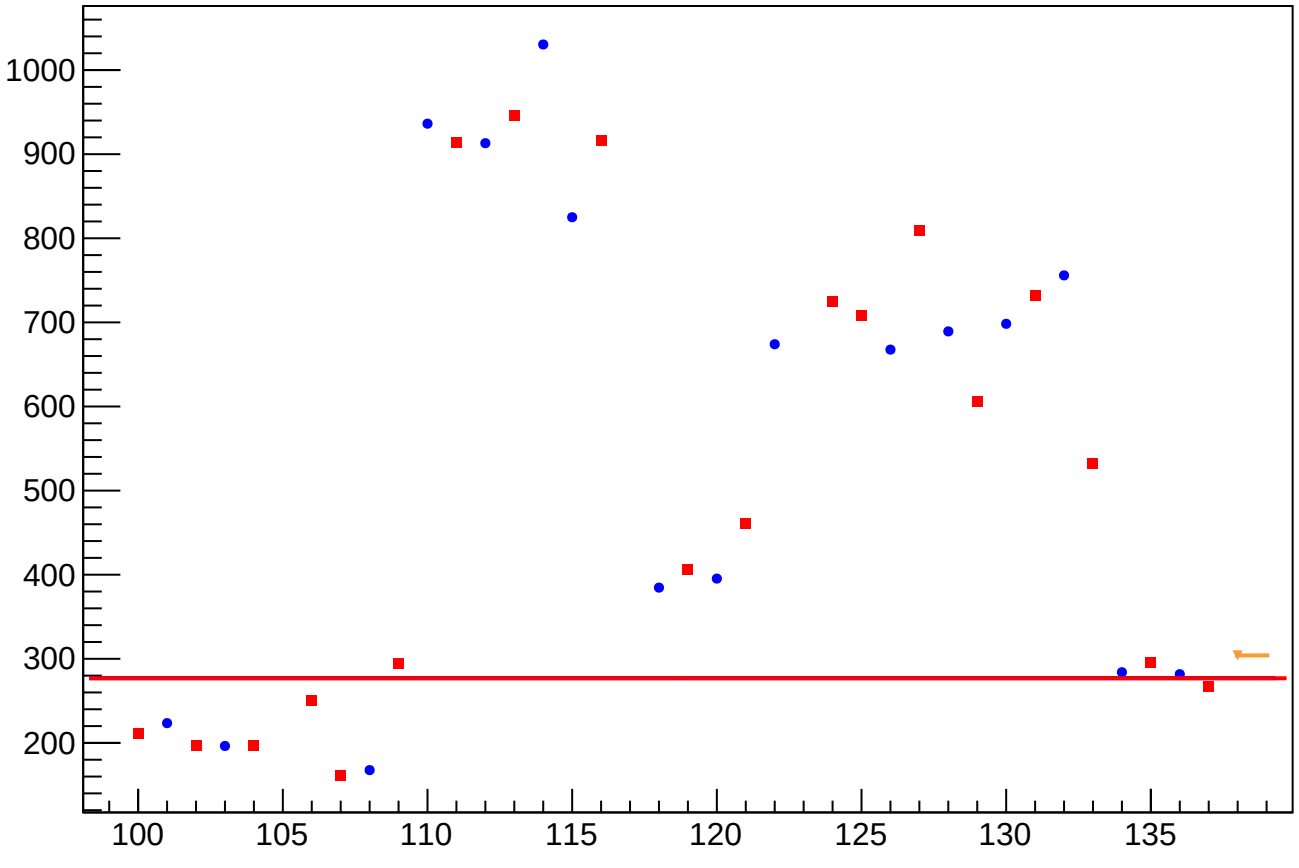
Left: 0.011+/-0.347 χ^2/NDF: 0.0/0

Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.160+/-0.120 χ^2/NDF:12.6/15

Out: -0.062+/-0.113 χ^2/NDF:22.5/19

All: 0.043+/-0.082 χ^2/NDF: 36.9/35



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 304.058+/-0.245 χ^2/NDF:0.0/0

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 304.058+/-0.245 χ^2/NDF: 0.0/0

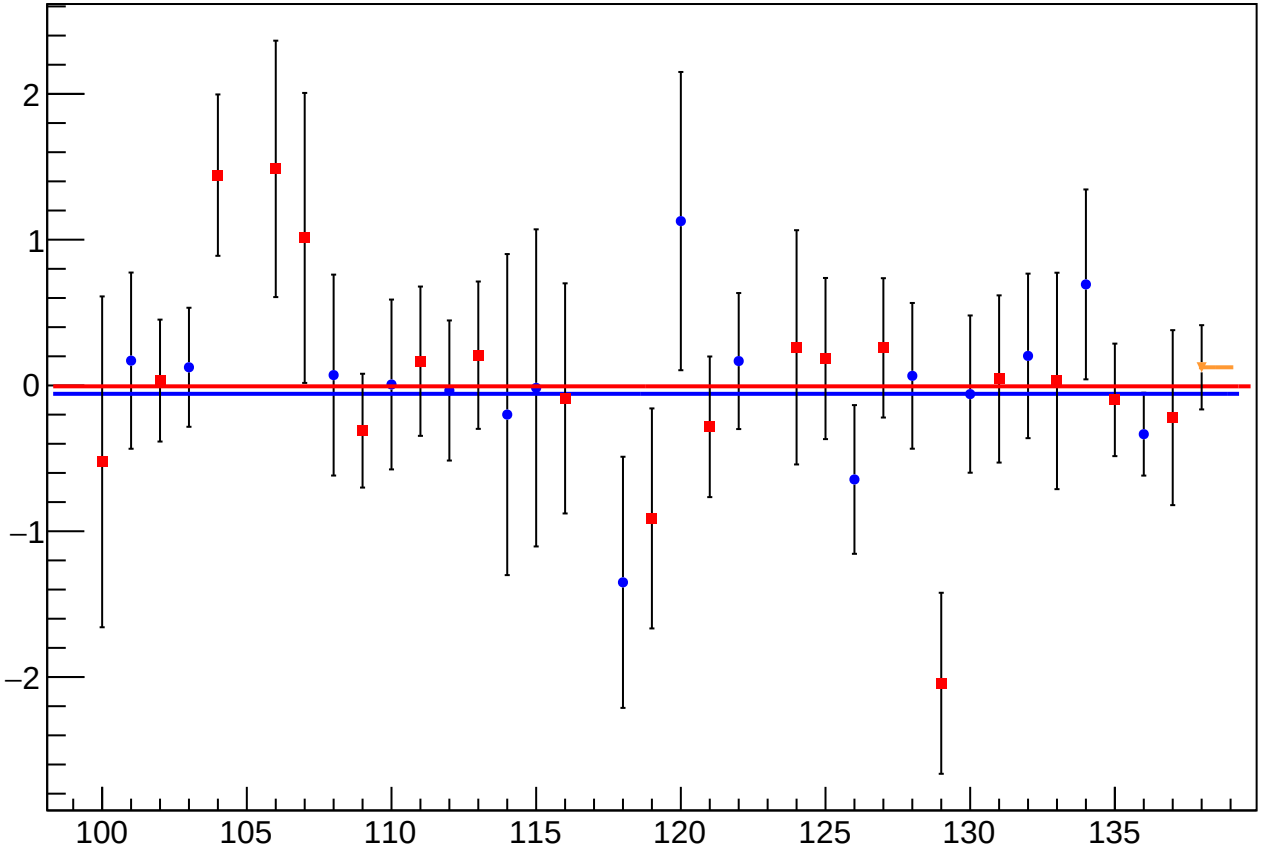
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 277.017+/-0.085 χ^2/NDF:3450533.8/15

Out: 279.755+/-0.080 χ^2/NDF:3582585.7/19

All: 278.462+/-0.058 χ^2/NDF: 7033672.7/35

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.125+/-0.289 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.125+/-0.289 χ^2/NDF: 0.0/0

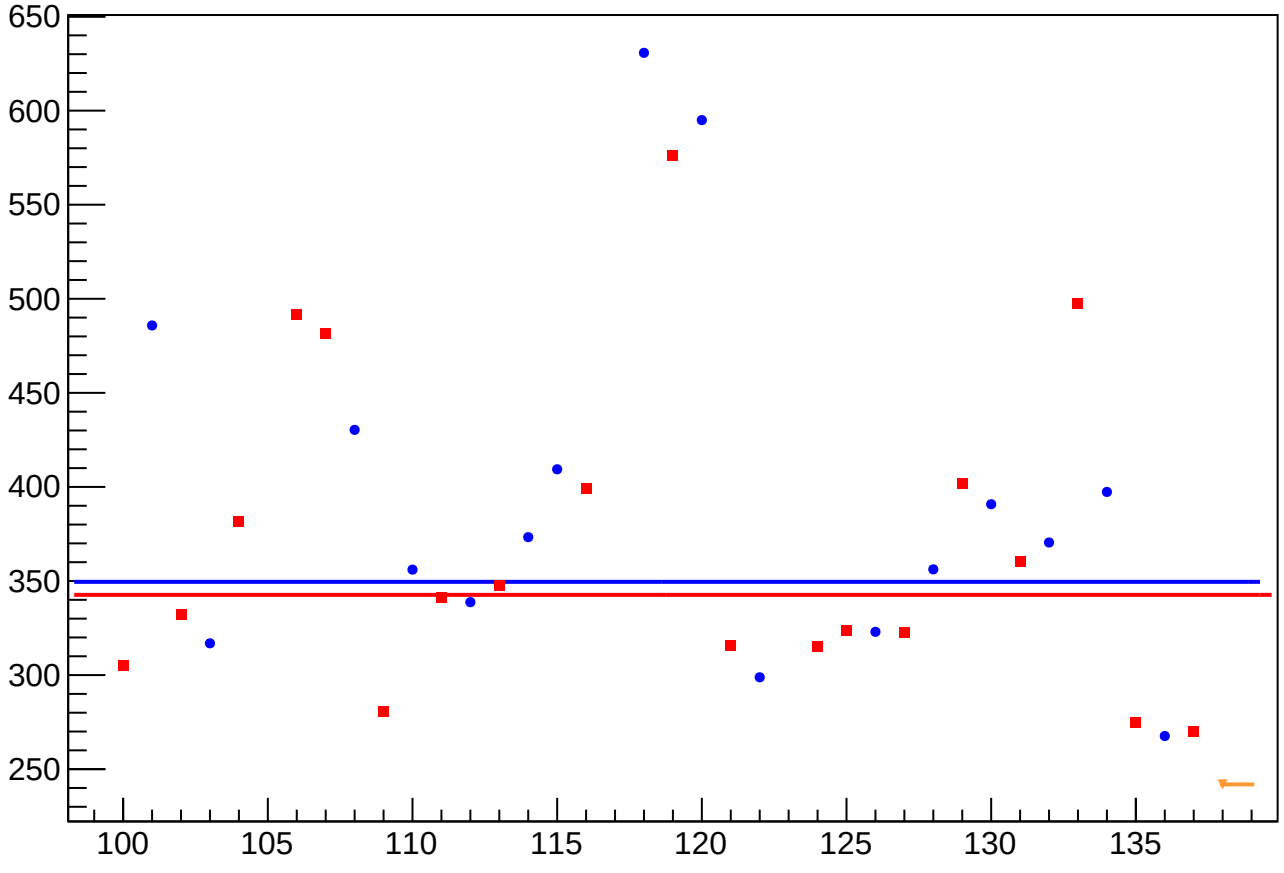
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.057+/-0.134 χ^2/NDF:8.1/15

Out: 0.016+/-0.118 χ^2/NDF:25.3/19

All: -0.016+/-0.088 χ^2/NDF: 33.6/35

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 241.893+/-0.204 χ^2/NDF:0.0/0

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

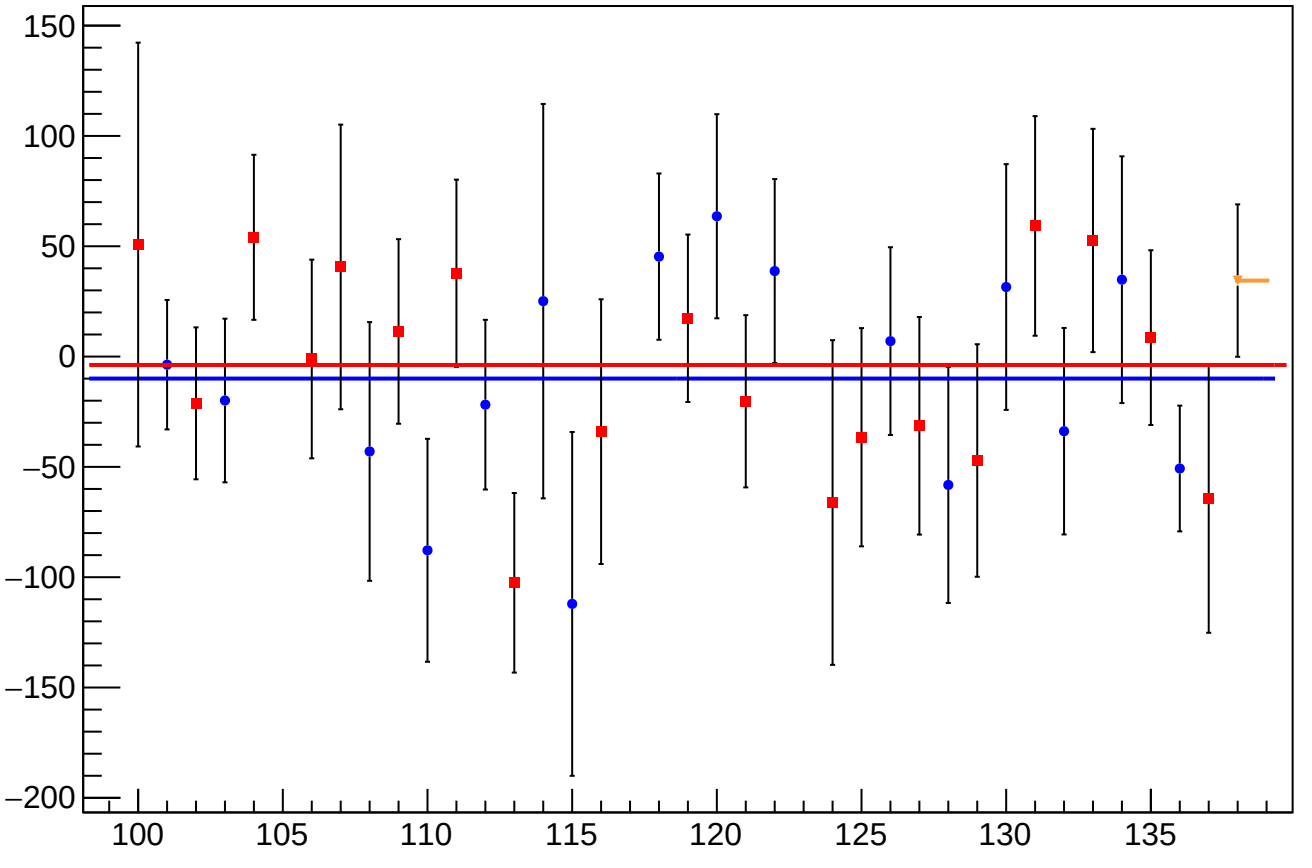
Left: 241.893+/-0.204 χ^2/NDF: 0.0/0

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 349.560+/-0.095 χ^2/NDF:699303.9/15

Out: 325.914+/-0.083 χ^2/NDF:778528.2/19

All: 336.233+/-0.063 χ^2/NDF: 1513035.2/35



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 34.443+/-34.547 χ^2/NDF:0.0/0

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

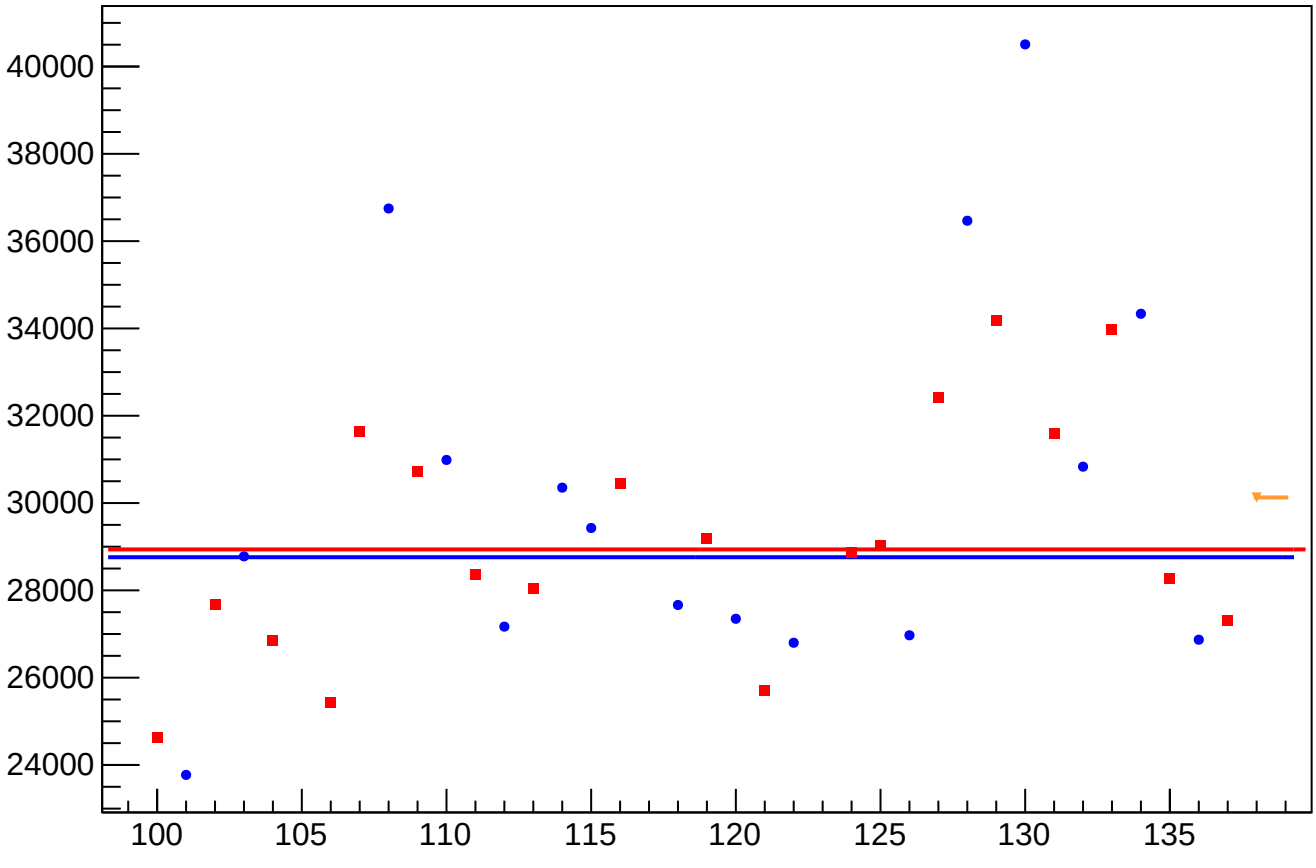
Left: 34.443+/-34.547 χ^2/NDF: 0.0/0

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

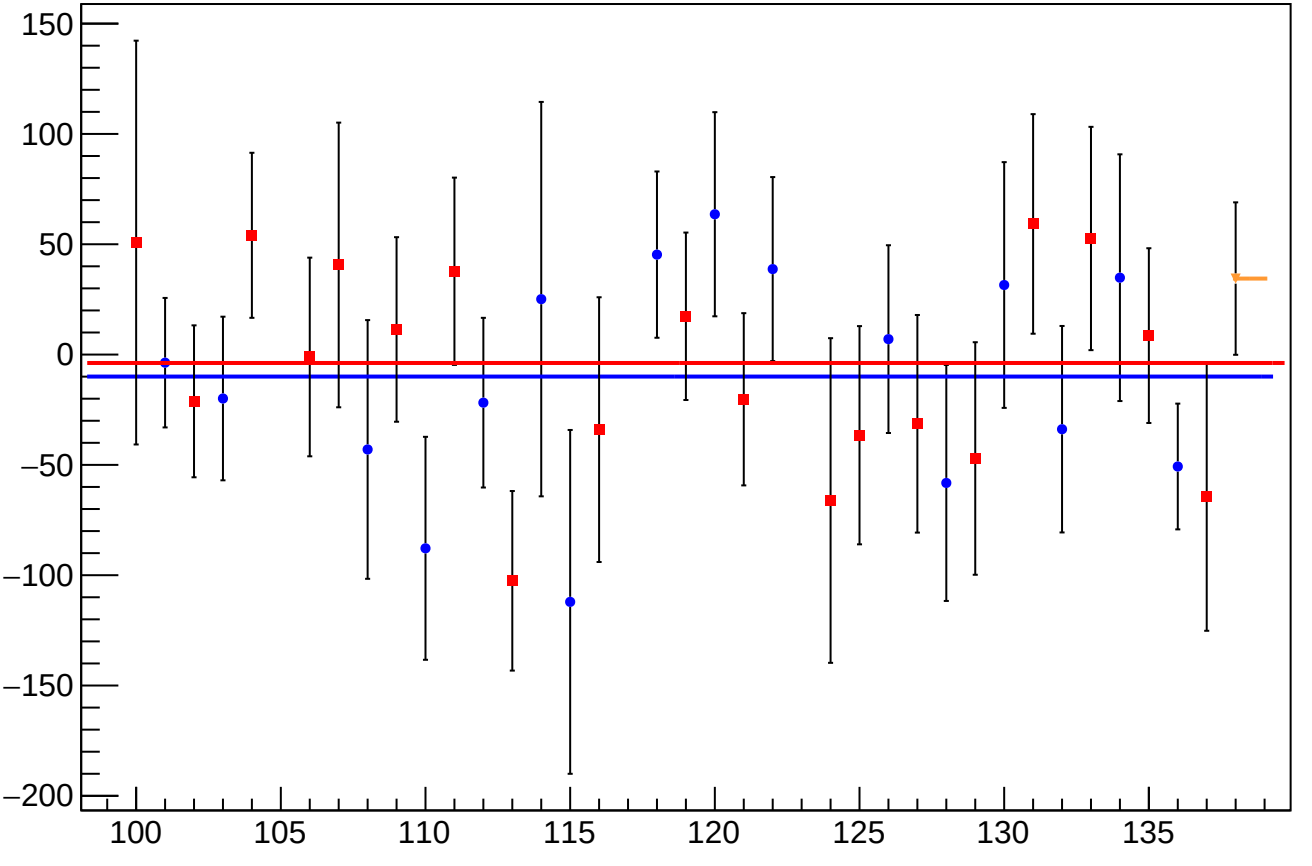
In: -9.969+/-10.836 χ^2/NDF:15.3/15

Out: -0.501+/-10.165 χ^2/NDF:18.4/19

All: -4.933+/-7.414 χ^2/NDF: 34.1/35


diff_bpmE_rms vs Slug, Sign Corrected
40000
38000
36000
34000
32000
30000
28000
26000
24000
100
105
110
115
120
125
130
135
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30127.865+/-24.429 χ²/NDF:0.0/0
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 30127.865+/-24.429 χ²/NDF: 0.0/0
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28759.090+/-7.662 χ²/NDF:277639.9/15
Out: 29040.683+/-7.188 χ²/NDF:108434.4/19
All: 28908.873+/-5.242 χ²/NDF: 386792.6/35

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 34.443+/-34.547 χ^2/NDF:0.0/0

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

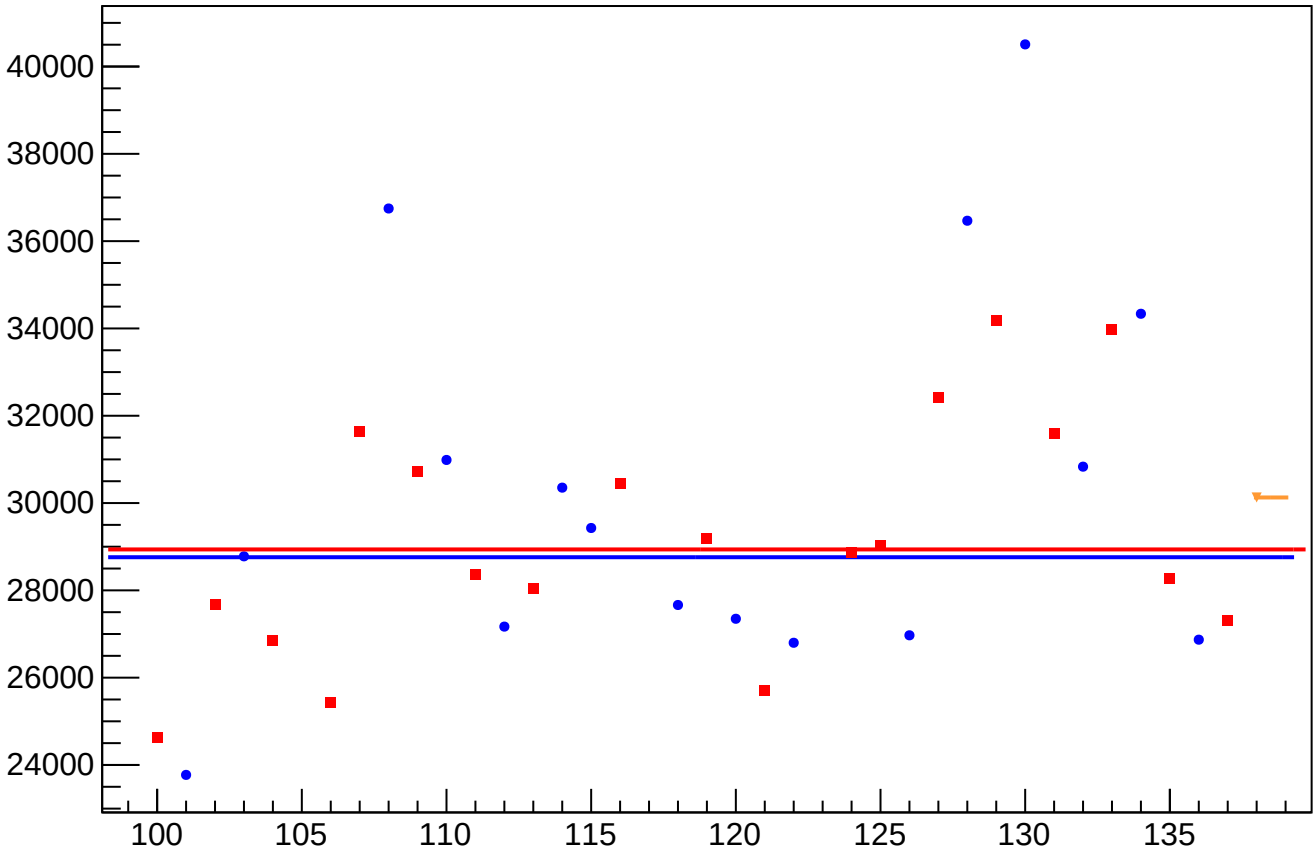
Left: 34.443+/-34.547 χ^2/NDF: 0.0/0

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

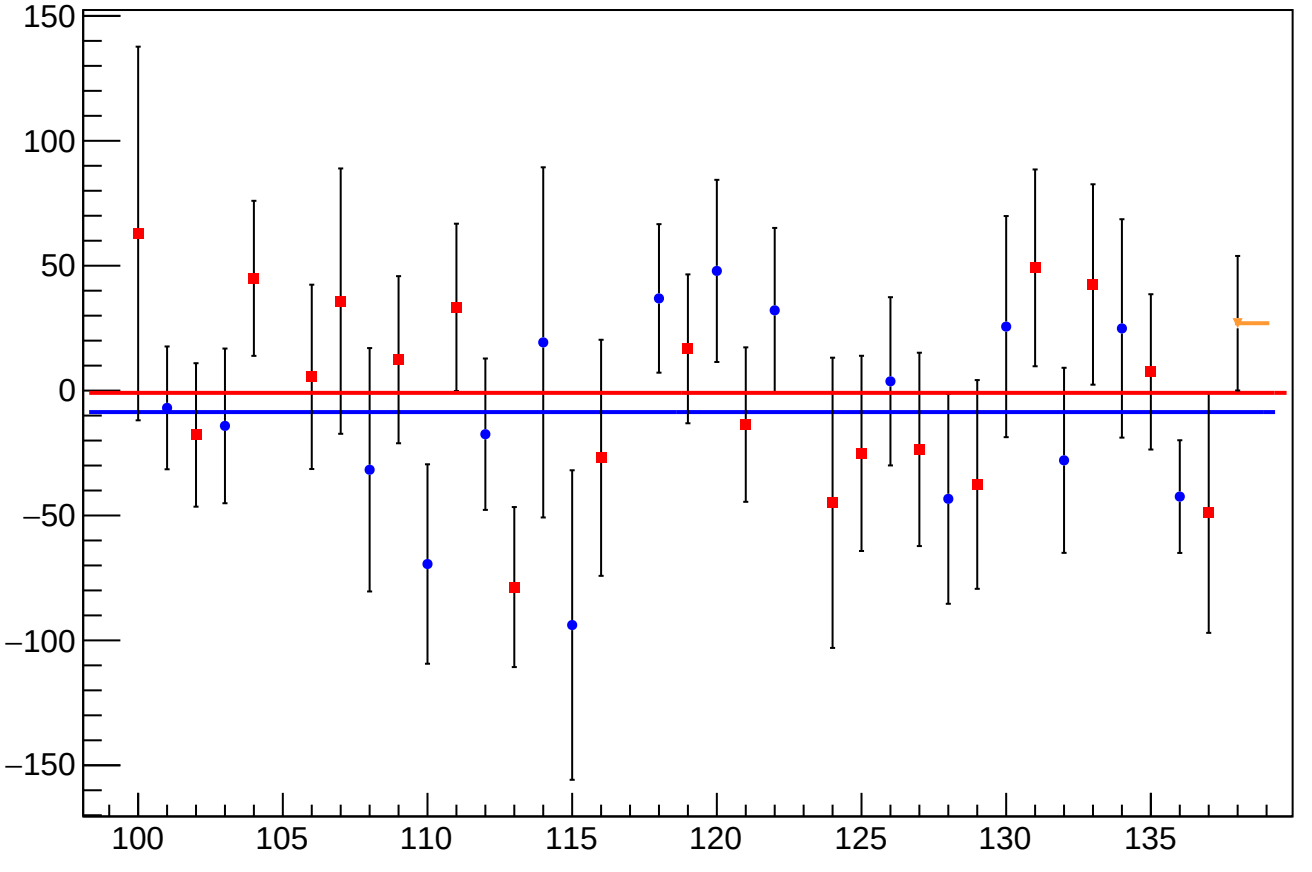
In: -9.969+/-10.836 χ^2/NDF:15.3/15

Out: -0.501+/-10.165 χ^2/NDF:18.4/19

All: -4.933+/-7.414 χ^2/NDF: 34.1/35


diff_bpmEX_rms vs Slug, Sign Corrected
40000
38000
36000
34000
32000
30000
28000
26000
24000
100
105
110
115
120
125
130
135
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30127.865+/-24.429 χ²/NDF:0.0/0
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 30127.865+/-24.429 χ²/NDF: 0.0/0
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28759.090+/-7.662 χ²/NDF:277639.9/15
Out: 29040.683+/-7.188 χ²/NDF:108434.4/19
All: 28908.873+/-5.242 χ²/NDF: 386792.6/35

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 26.974+/-26.931 χ^2/NDF:0.0/0

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 26.974+/-26.931 χ^2/NDF: 0.0/0

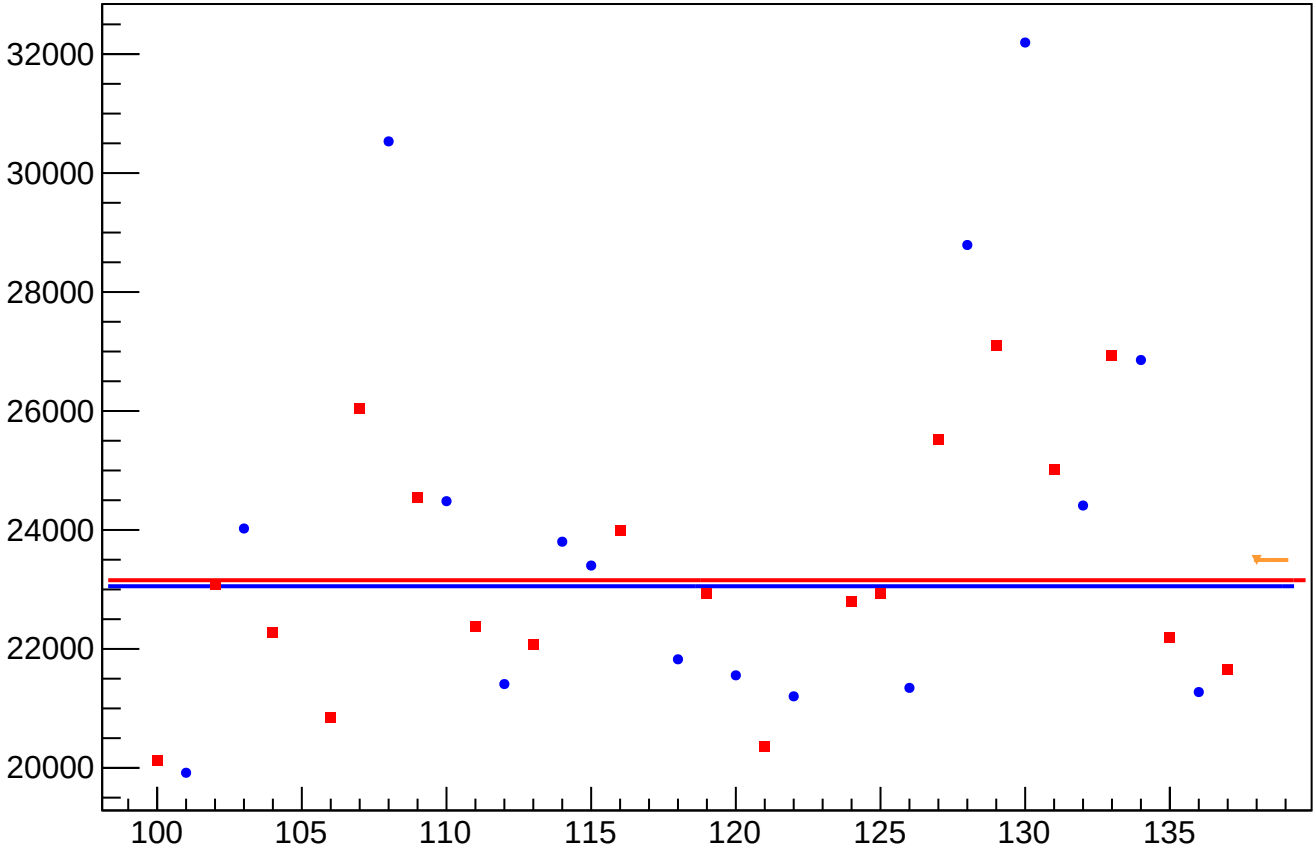
Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

In: -8.599+/-8.678 χ^2/NDF:15.5/15

Out: 1.625+/-8.111 χ^2/NDF:18.6/19

All: -3.142+/-5.926 χ^2/NDF: 34.8/35

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 23495.338+/-19.043 χ^2/NDF:0.0/0

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

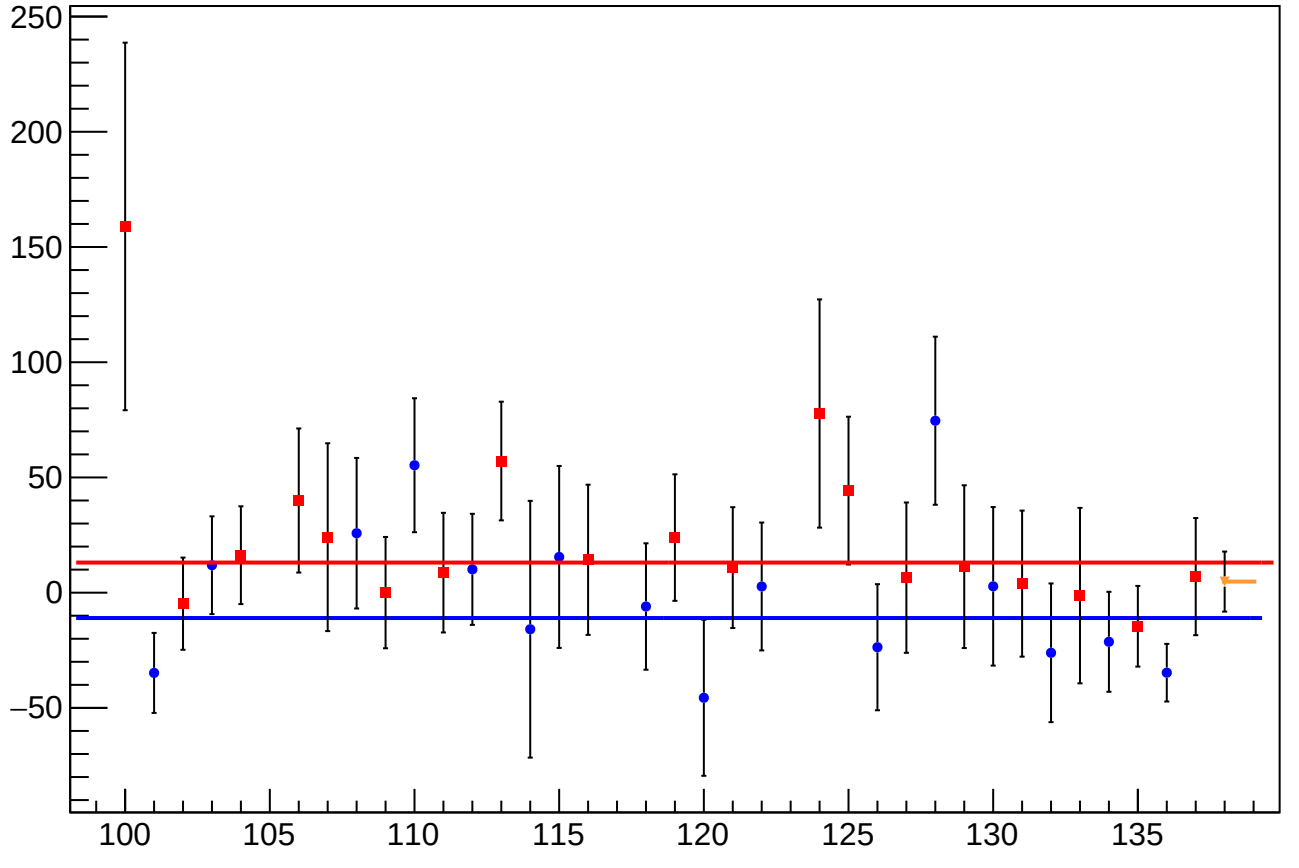
Left: 23495.338+/-19.043 χ^2/NDF: 0.0/0

Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 23053.910+/-6.137 χ^2/NDF:261444.9/15

Out: 23186.099+/-5.735 χ^2/NDF:94184.1/19

All: 23124.468+/-4.190 χ^2/NDF: 355876.6/35



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: 4.813+/-13.027 χ^2/NDF:0.0/0

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4.813+/-13.027 χ^2/NDF: 0.0/0

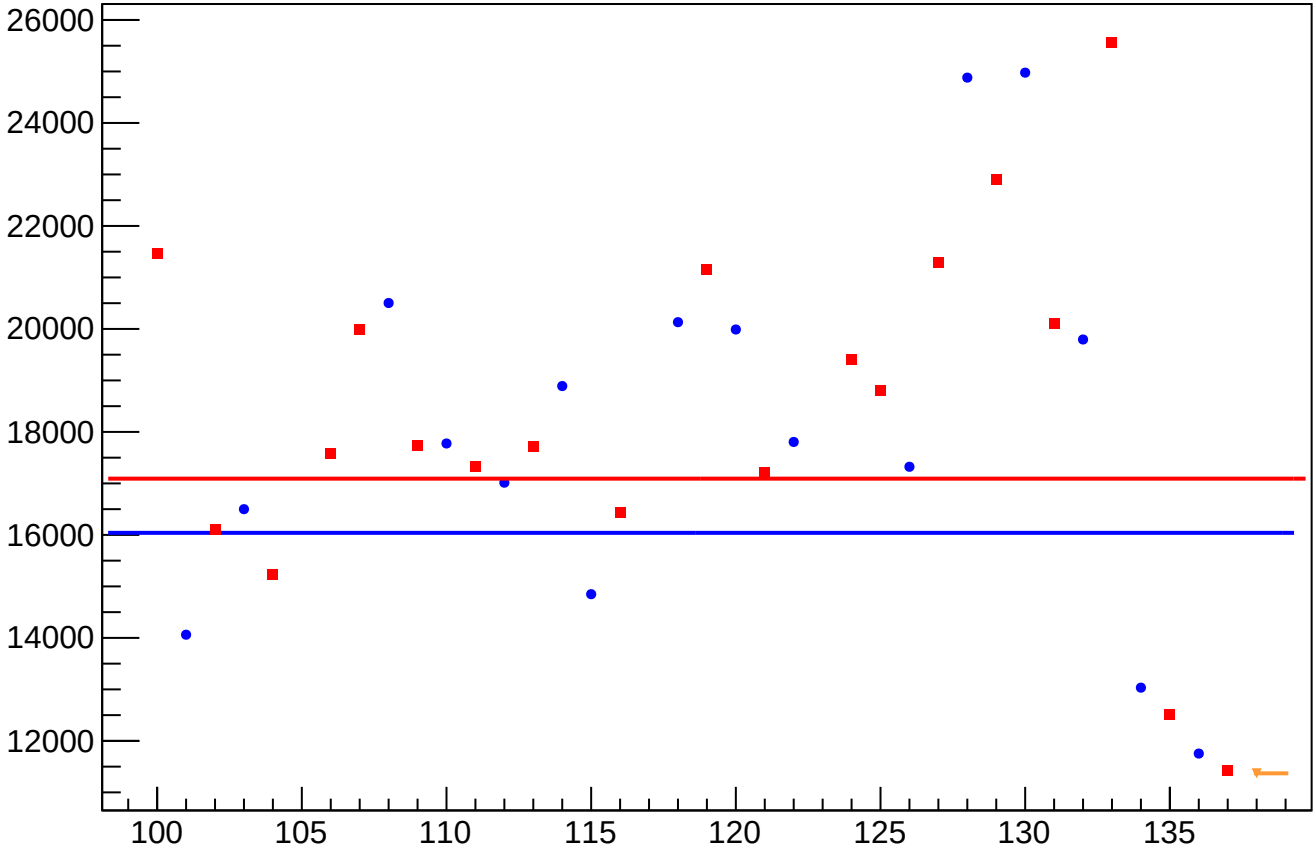
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -11.002+/-6.155 χ^2/NDF:22.0/15

Out: 11.473+/-5.731 χ^2/NDF:14.2/19

All: 1.035+/-4.194 χ^2/NDF: 43.4/35

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 11370.023+/-9.212 χ^2/NDF:0.0/0

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

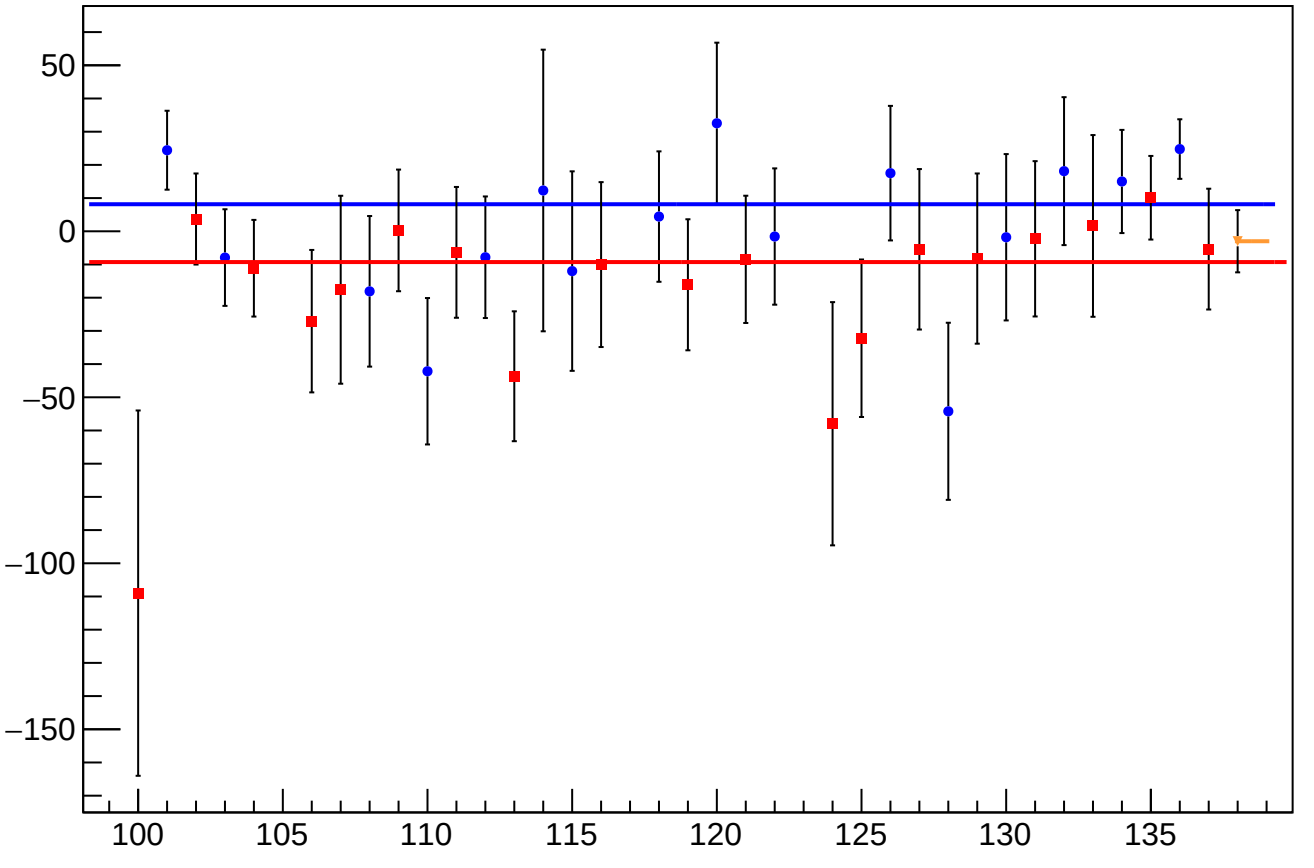
Left: 11370.023+/-9.212 χ^2/NDF: 0.0/0

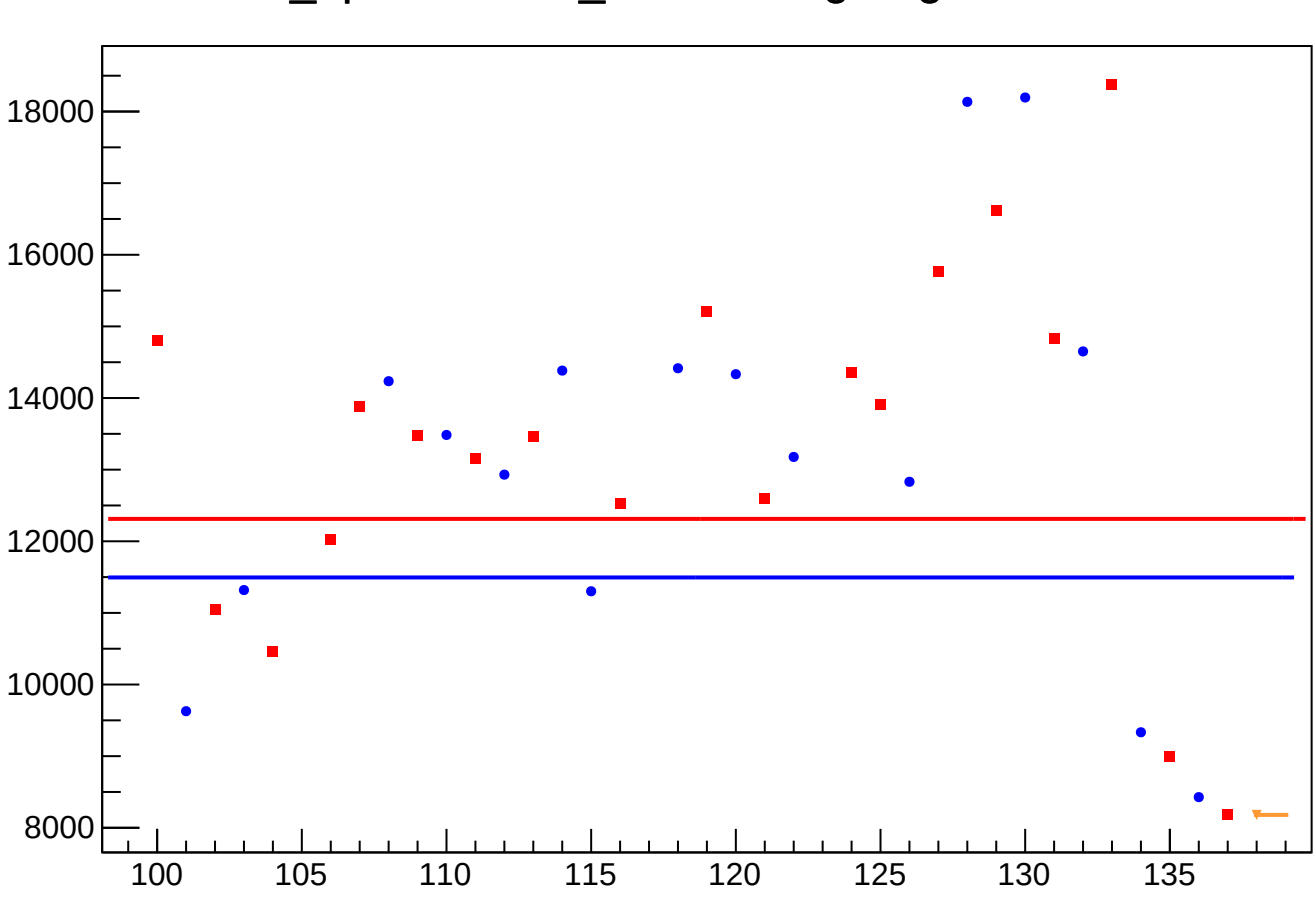
Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

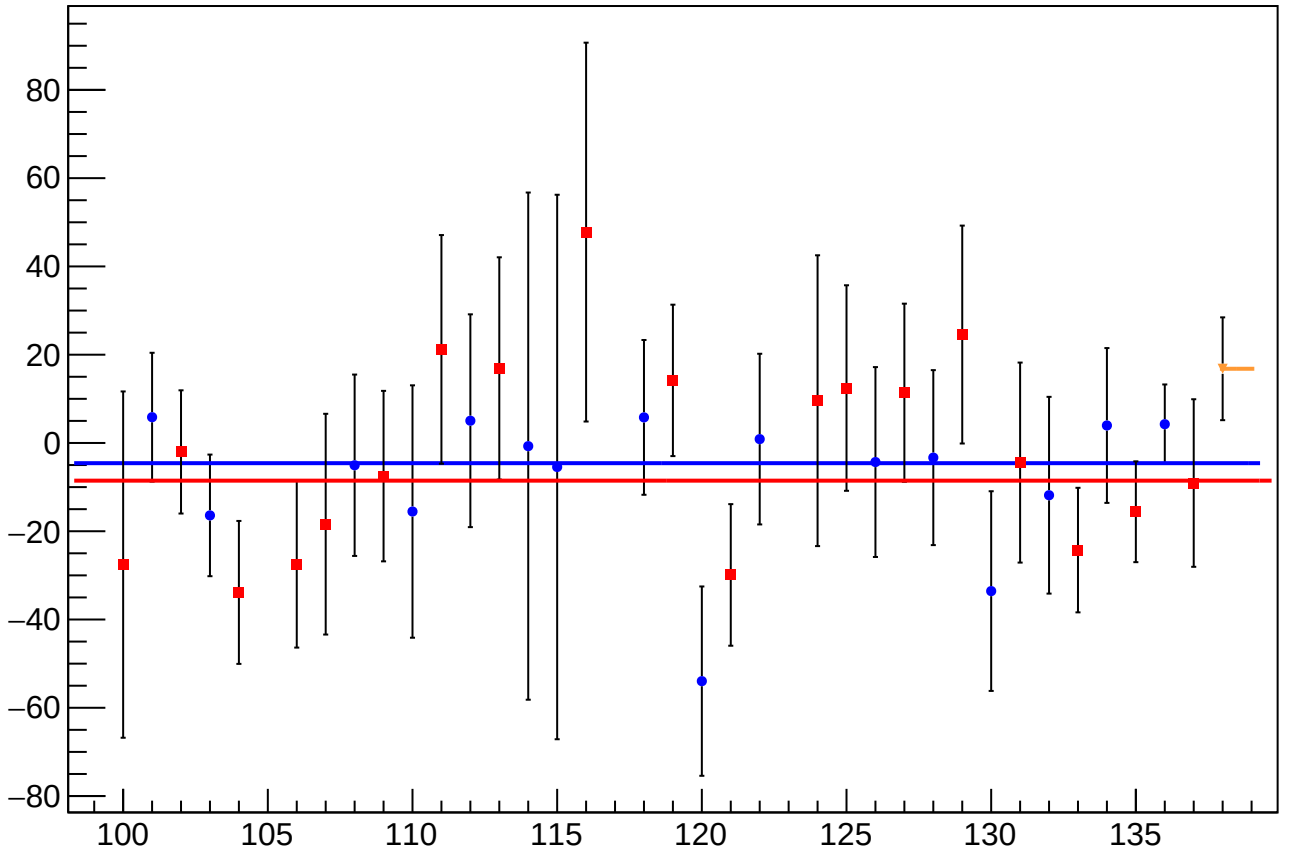
In: 16040.060+/-4.352 χ^2/NDF:722678.9/15

Out: 15985.102+/-4.053 χ^2/NDF:846701.3/19

All: 16010.624+/-2.966 χ^2/NDF: 1569465.6/3


diff_bpm4aediffX_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
100
105
110
115
120
125
130
135
Right In: 8.150+/-4.423 χ²/NDF: 21.8/15
Left Out: -2.995+/-9.372 χ²/NDF:0.0/0
Right Out: -9.270+/-4.607 χ²/NDF: 13.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -2.995+/-9.372 χ²/NDF: 0.0/0
Right: -0.204+/-3.191 χ²/NDF: 43.1/34
In: 8.150+/-4.423 χ²/NDF:21.8/15
Out: -8.049+/-4.135 χ²/NDF:14.2/19
All: -0.494+/-3.020 χ²/NDF: 43.2/35


diff_bpm4aediffX_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
Right In: 11494.969+/-3.127 χ²/NDF: 789990.1/15
Left Out: 8179.806+/-6.627 χ²/NDF:0.0/0
Right Out: 12312.550+/-3.258 χ²/NDF: 598755.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 8179.806+/-6.627 χ²/NDF: 0.0/0
Right: 11887.075+/-2.256 χ²/NDF: 1421522.1/34
In: 11494.969+/-3.127 χ²/NDF:789990.1/15
Out: 11508.251+/-2.924 χ²/NDF:911950.4/19
All: 11502.057+/-2.136 χ²/NDF: 1701950.2/3



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 16.813+/-11.647 χ^2/NDF:0.0/0

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 16.813+/-11.647 χ^2/NDF: 0.0/0

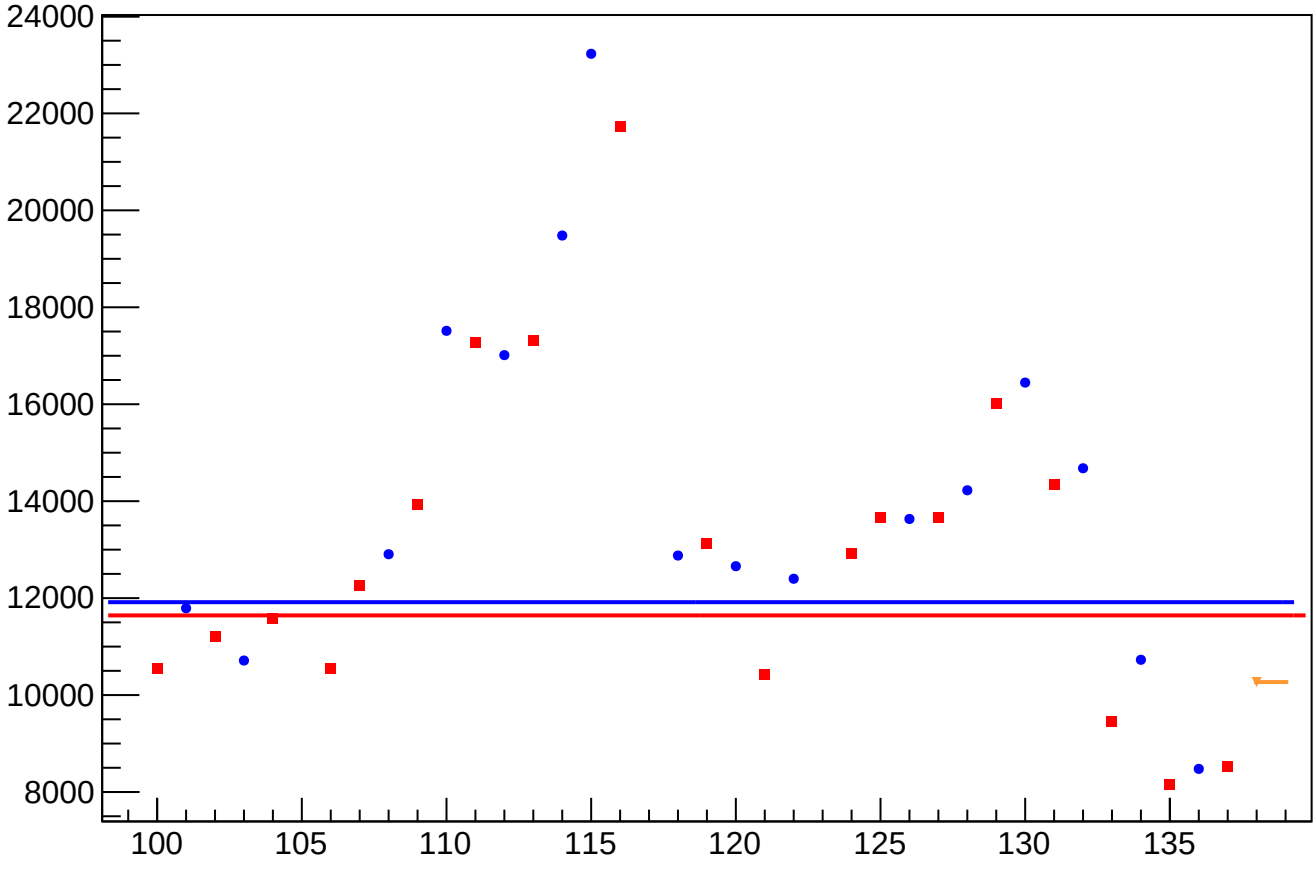
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -4.578+/-4.554 χ^2/NDF:10.2/15

Out: -5.381+/-4.110 χ^2/NDF:21.3/19

All: -5.021+/-3.051 χ^2/NDF: 31.6/35

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10268.645+/-8.236 χ^2/NDF:0.0/0

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

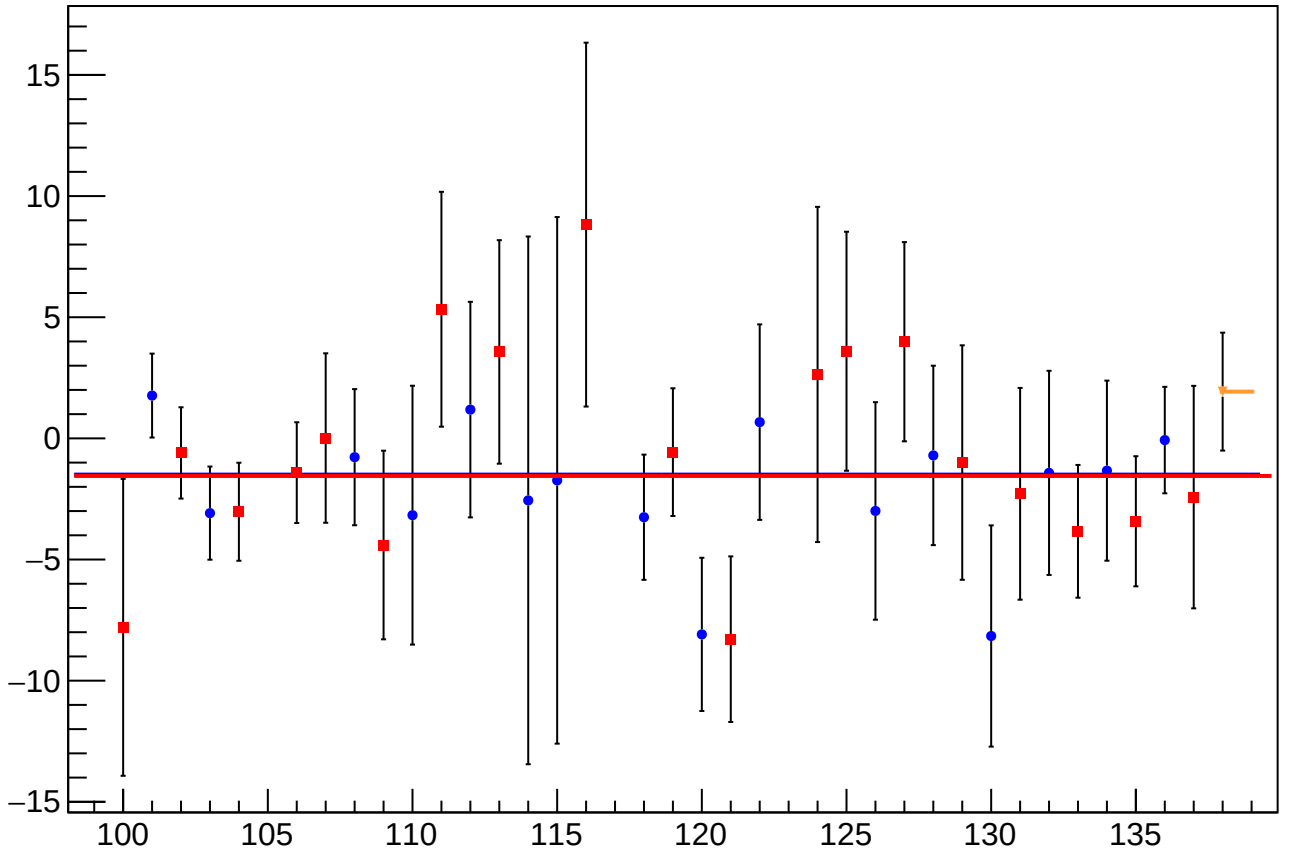
Left: 10268.645+/-8.236 χ^2/NDF: 0.0/0

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11916.355+/-3.220 χ^2/NDF:749775.2/15

Out: 11472.427+/-2.906 χ^2/NDF:814762.0/19

All: 11671.686+/-2.157 χ^2/NDF: 1575011.5/3



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.929+/-2.433 χ^2/NDF:0.0/0

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

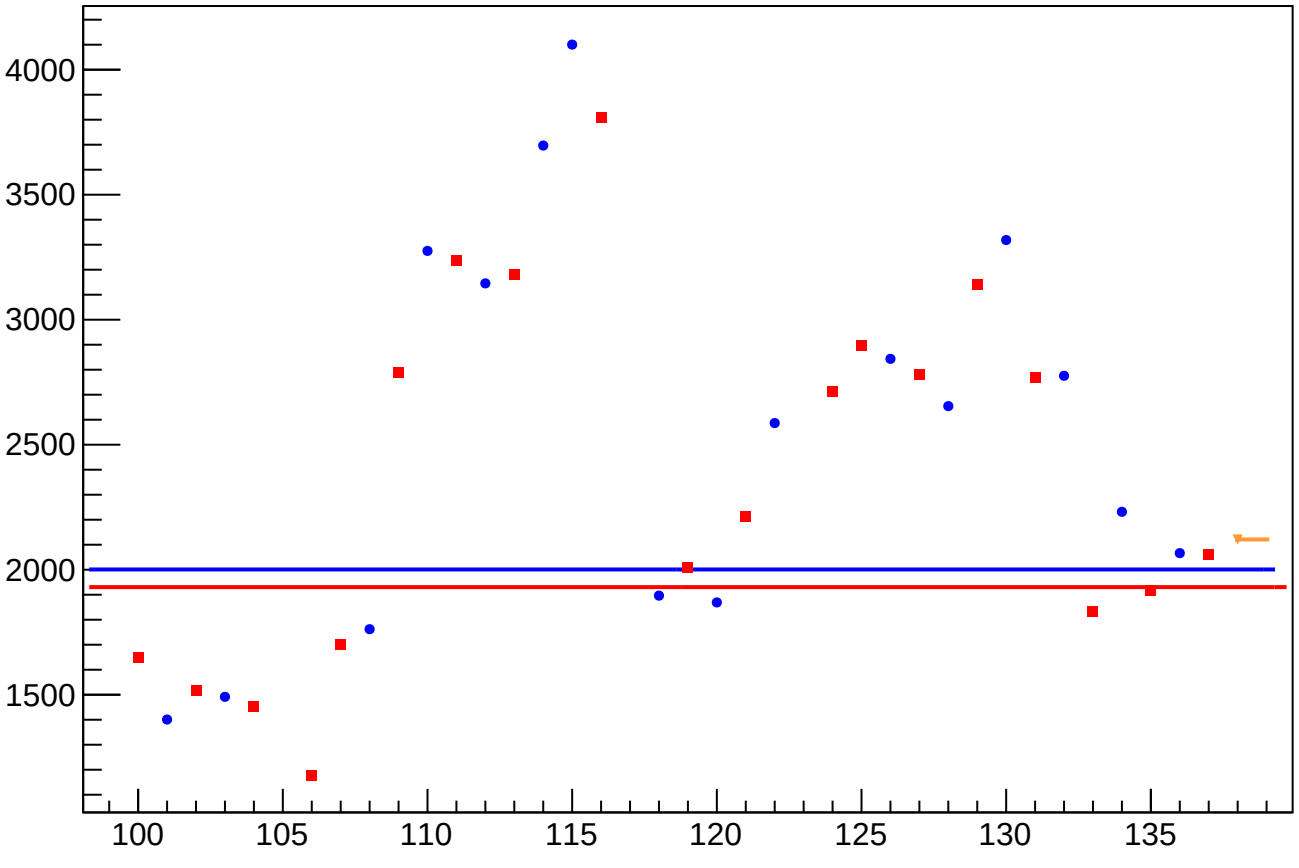
Left: 1.929+/-2.433 χ^2/NDF: 0.0/0

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.496+/-0.778 χ^2/NDF:12.6/15

Out: -1.253+/-0.712 χ^2/NDF:18.1/19

All: -1.364+/-0.525 χ^2/NDF: 30.8/35



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2121.008+/-1.721 χ^2/NDF:0.0/0

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

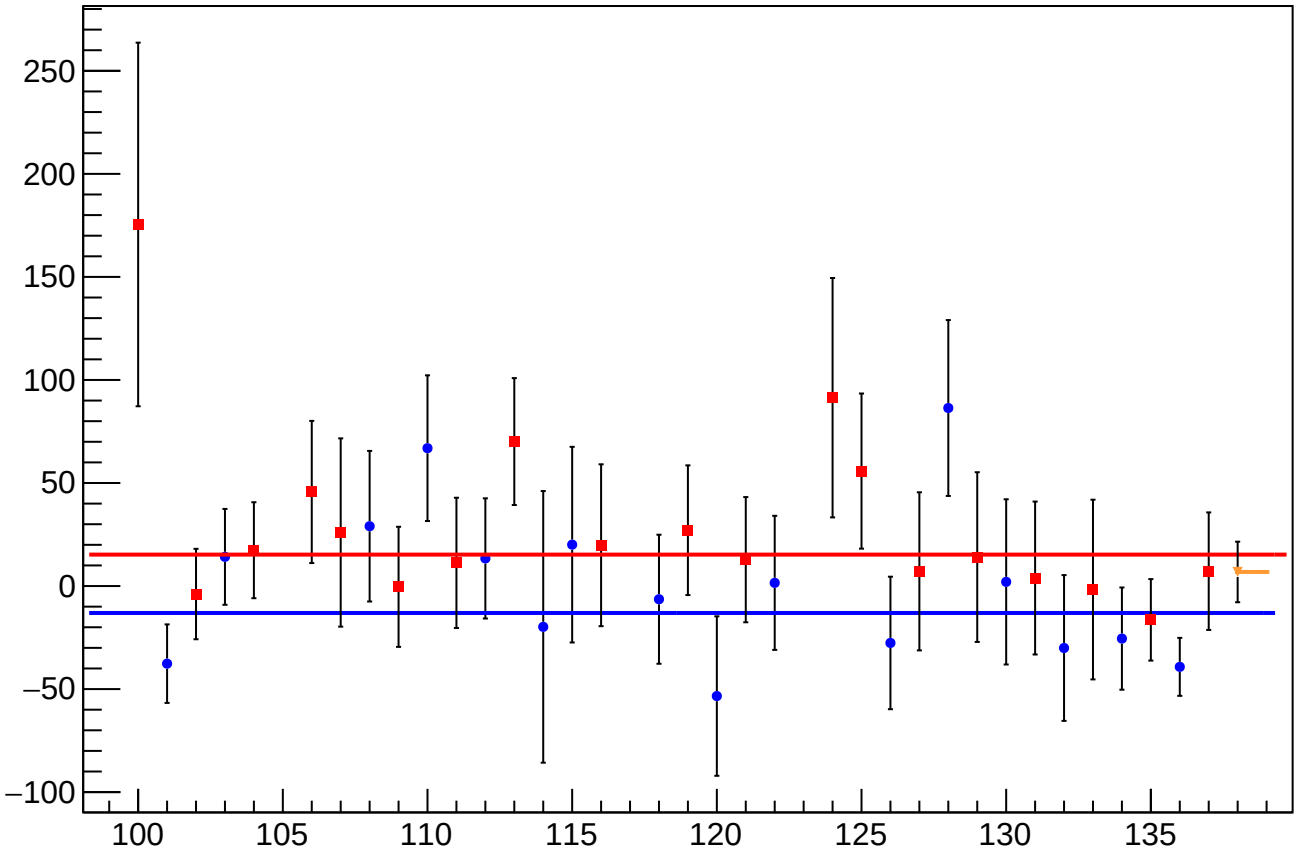
Left: 2121.008+/-1.721 χ^2/NDF: 0.0/0

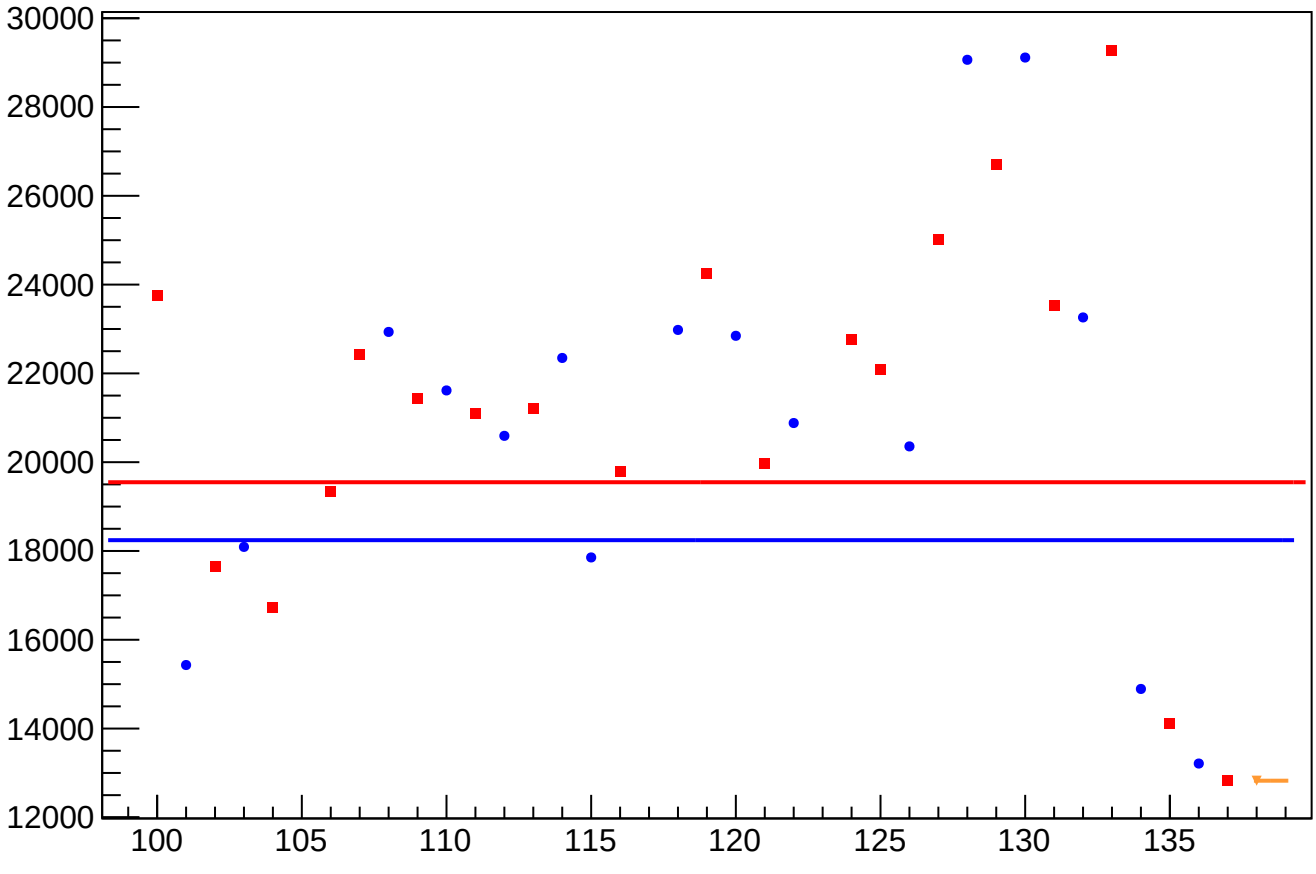
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 2001.000+/-0.550 χ^2/NDF:1189784.2/15

Out: 1946.746+/-0.503 χ^2/NDF:1414768.6/19

All: 1971.464+/-0.371 χ^2/NDF: 2609844.5/35


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
105
110
115
120
125
130
135
Right In: -13.066+/-7.026 χ²/NDF: 21.9/15
Left Out: 6.835+/-14.694 χ²/NDF:0.0/0
Right Out: 15.253+/-7.321 χ²/NDF: 14.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 6.835+/-14.694 χ²/NDF: 0.0/0
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: -13.066+/-7.026 χ²/NDF:21.9/15
Out: 13.579+/-6.553 χ²/NDF:14.6/19
All: 1.185+/-4.792 χ²/NDF: 44.2/35



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 12825.461+/-10.390 χ^2/NDF:0.0/0

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 12825.461+/-10.390 χ^2/NDF: 0.0/0

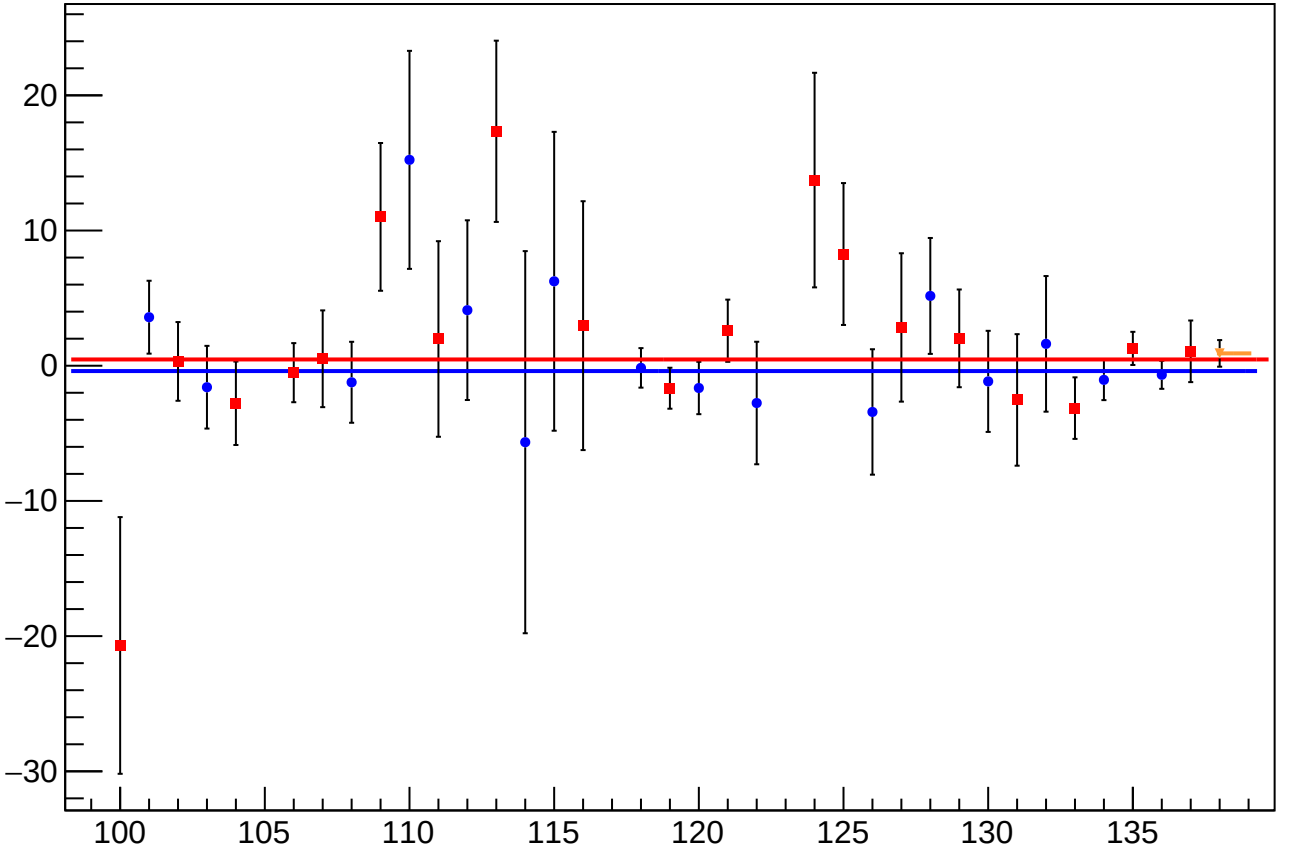
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 18243.342+/-4.968 χ^2/NDF:819828.6/15

Out: 18211.555+/-4.633 χ^2/NDF:957127.8/19

All: 18226.340+/-3.389 χ^2/NDF: 1776978.3/3

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.913+/-0.985 χ^2/NDF:0.0/0

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.913+/-0.985 χ^2/NDF: 0.0/0

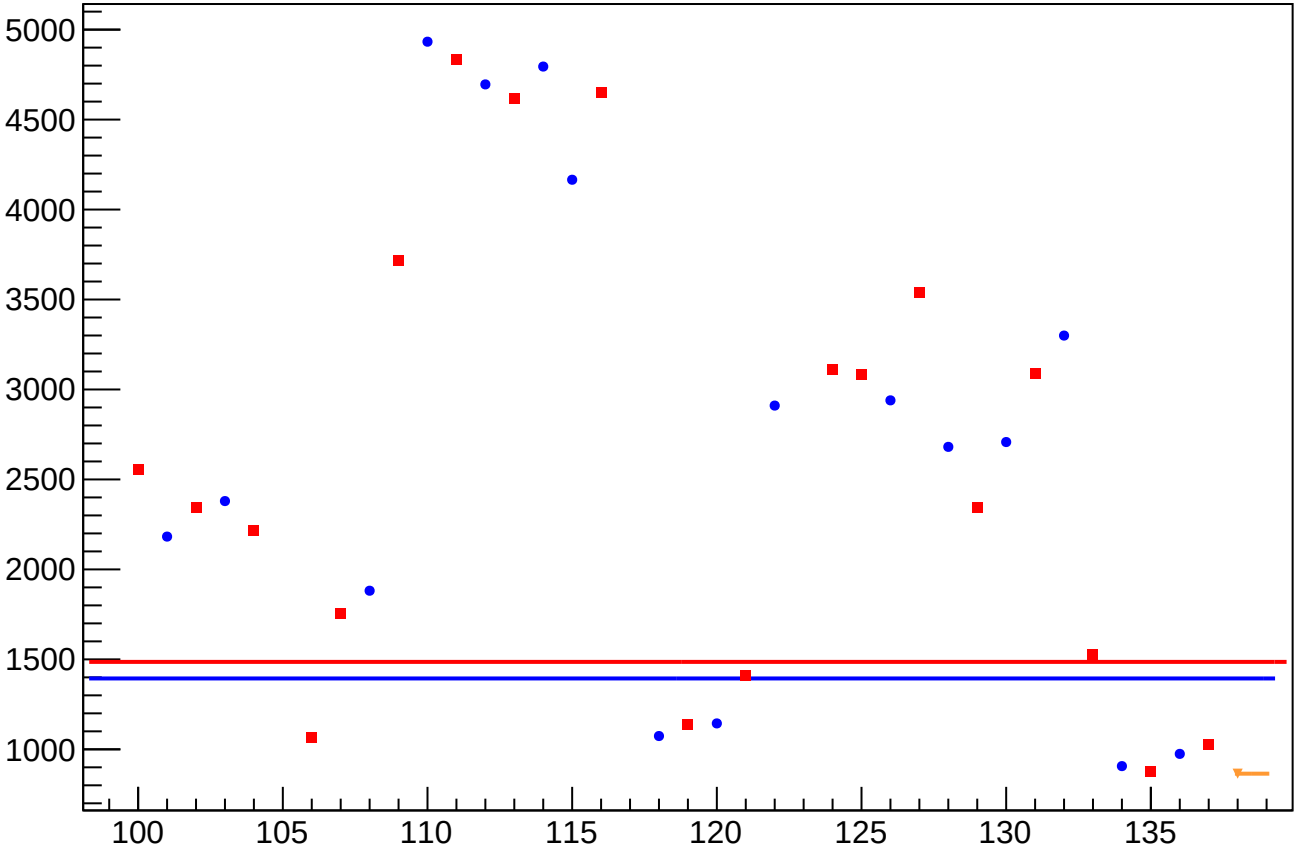
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.394+/-0.600 χ^2/NDF:10.4/15

Out: 0.596+/-0.533 χ^2/NDF:28.2/19

All: 0.159+/-0.399 χ^2/NDF: 40.1/35

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 864.721+/-0.696 χ^2/NDF:0.0/0

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

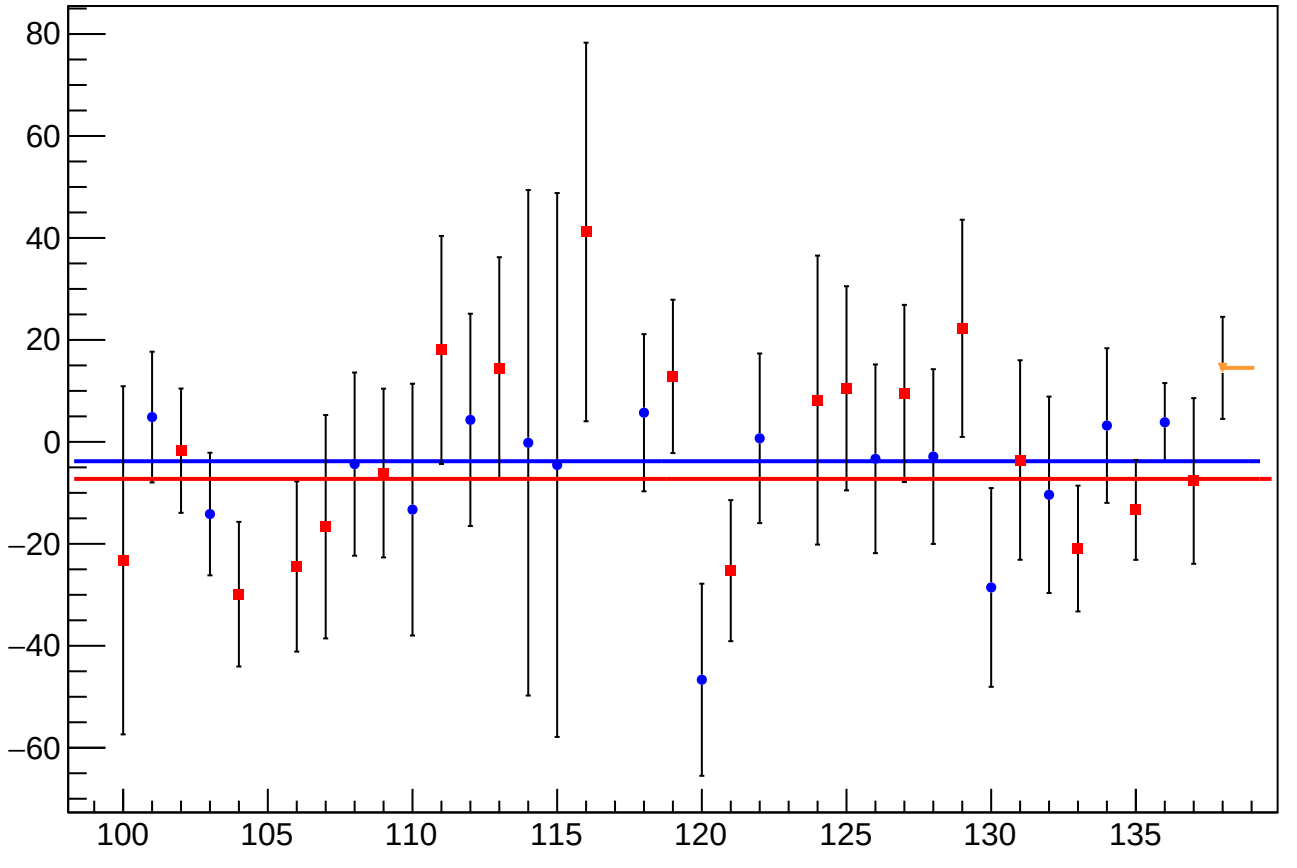
Left: 864.721+/-0.696 χ^2/NDF: 0.0/0

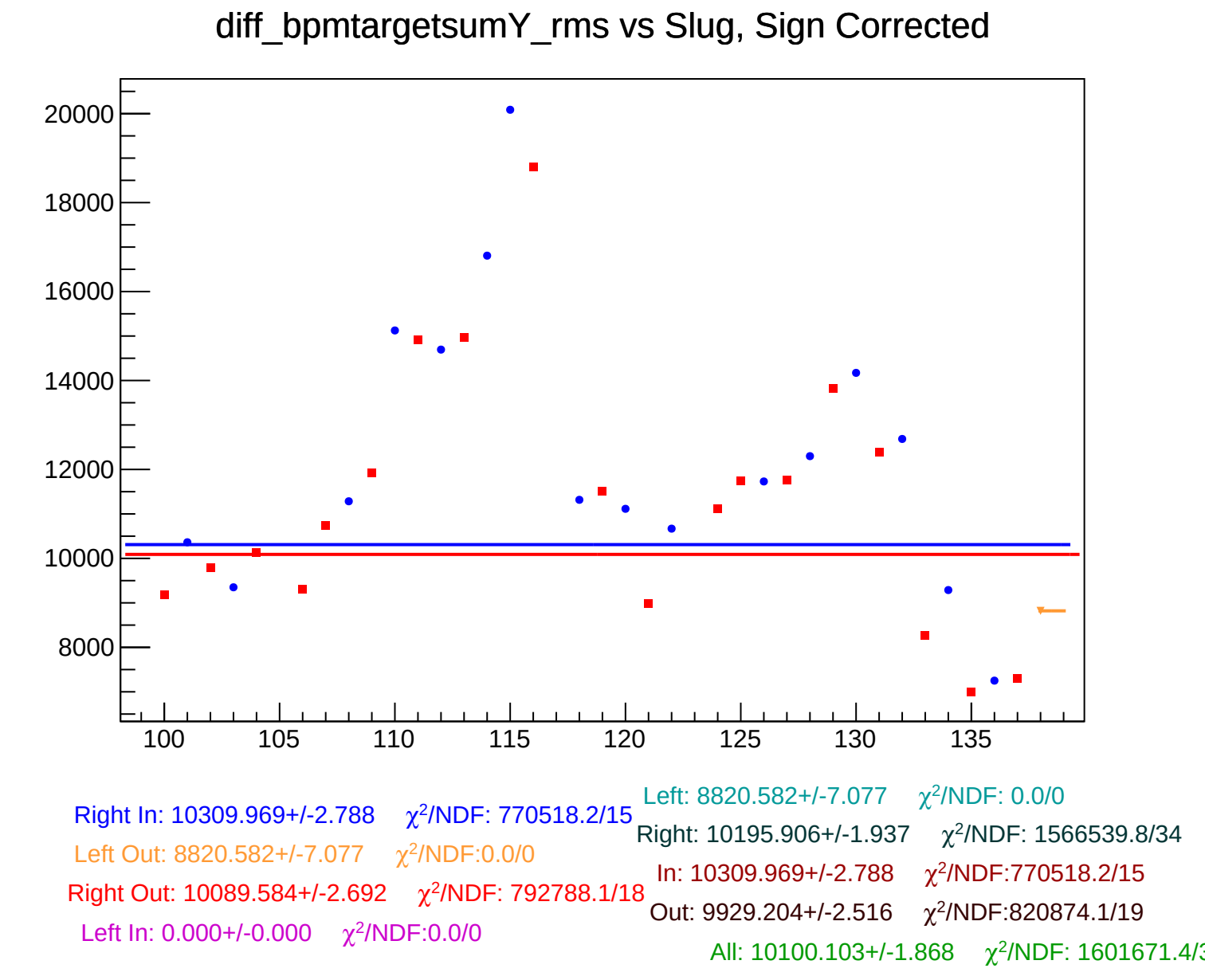
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

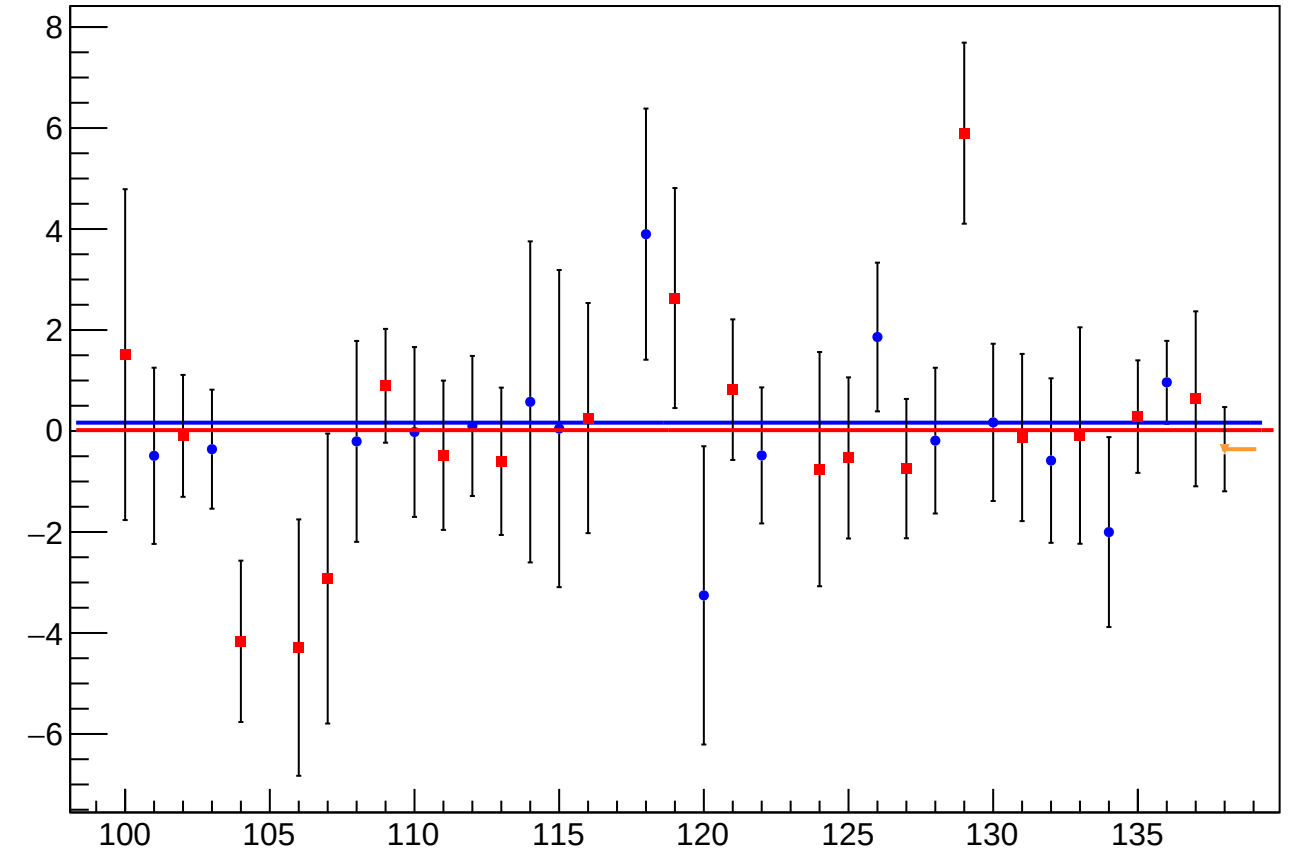
In: 1393.912+/-0.424 χ^2/NDF:3381007.0/15

Out: 1303.989+/-0.377 χ^2/NDF:3961633.2/19

All: 1343.643+/-0.282 χ^2/NDF: 7367742.0/35


diff_bpmtargetsumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
105
110
115
120
125
130
135
Right In: -3.795+/-3.943 χ²/NDF: 10.1/15
Left Out: 14.516+/-10.009 χ²/NDF:0.0/0
Right Out: -7.264+/-3.807 χ²/NDF: 17.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 14.516+/-10.009 χ²/NDF: 0.0/0
Right: -5.590+/-2.739 χ²/NDF: 27.7/34
In: -3.795+/-3.943 χ²/NDF:10.1/15
Out: -4.511+/-3.558 χ²/NDF:21.4/19
All: -4.190+/-2.642 χ²/NDF: 31.5/35


diff_bpmtargetsumY_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 8820.582+/-7.077 χ²/NDF:0.0/0
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 8820.582+/-7.077 χ²/NDF: 0.0/0
Right: 10195.906+/-1.937 χ²/NDF: 1566539.8/34
In: 10309.969+/-2.788 χ²/NDF:770518.2/15
Out: 9929.204+/-2.516 χ²/NDF:820874.1/19
All: 10100.103+/-1.868 χ²/NDF: 1601671.4/3



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.360+/-0.834 χ^2/NDF:0.0/0

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.360+/-0.834 χ^2/NDF: 0.0/0

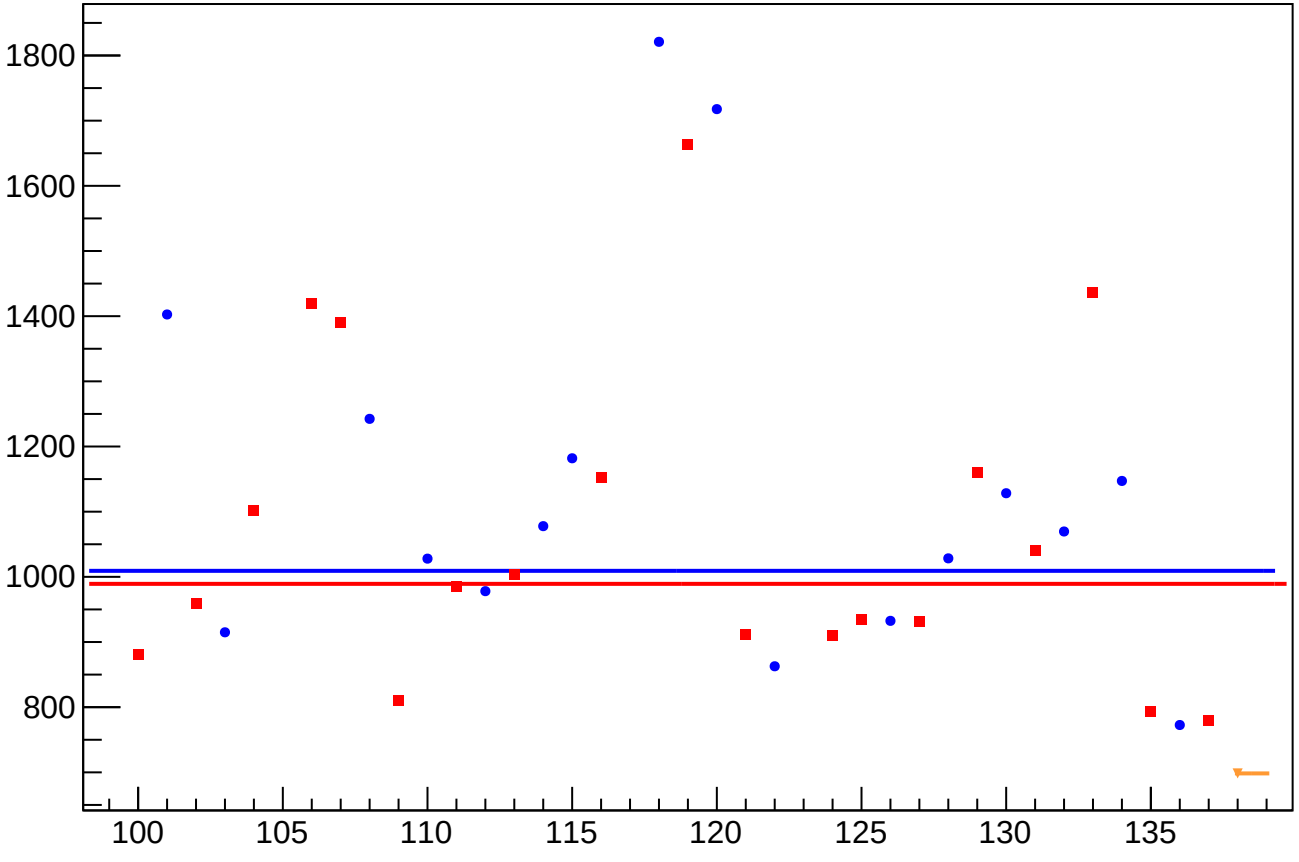
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.165+/-0.386 χ^2/NDF:8.1/15

Out: -0.045+/-0.340 χ^2/NDF:25.3/19

All: 0.047+/-0.255 χ^2/NDF: 33.6/35

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 698.373+/-0.590 χ^2/NDF:0.0/0

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 698.373+/-0.590 χ^2/NDF: 0.0/0

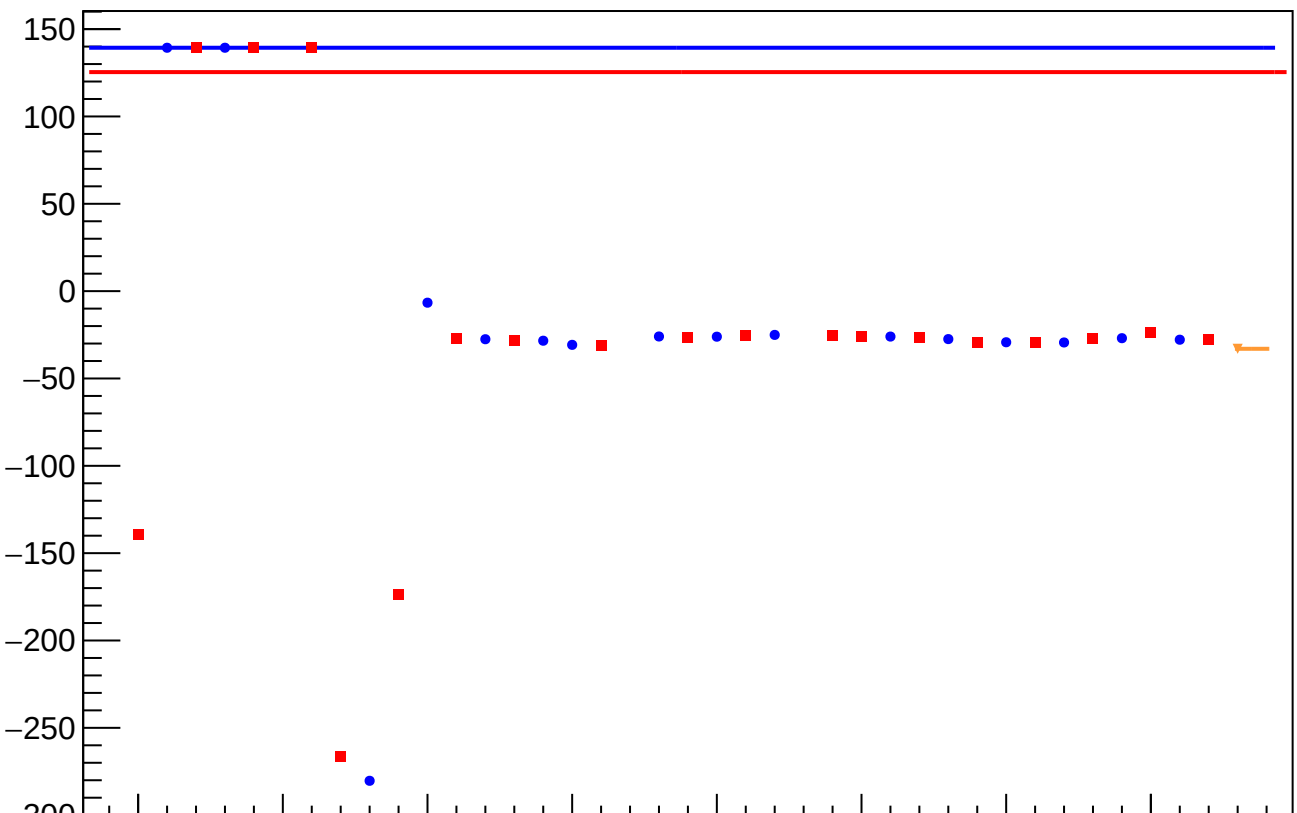
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 1009.222+/-0.273 χ^2/NDF:699303.9/15

Out: 940.953+/-0.240 χ^2/NDF:778528.2/19

All: 970.745+/-0.180 χ^2/NDF: 1513035.2/35

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -33.007+/-0.003 χ^2/NDF:0.0/0

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -33.007+/-0.003 χ^2/NDF: 0.0/0

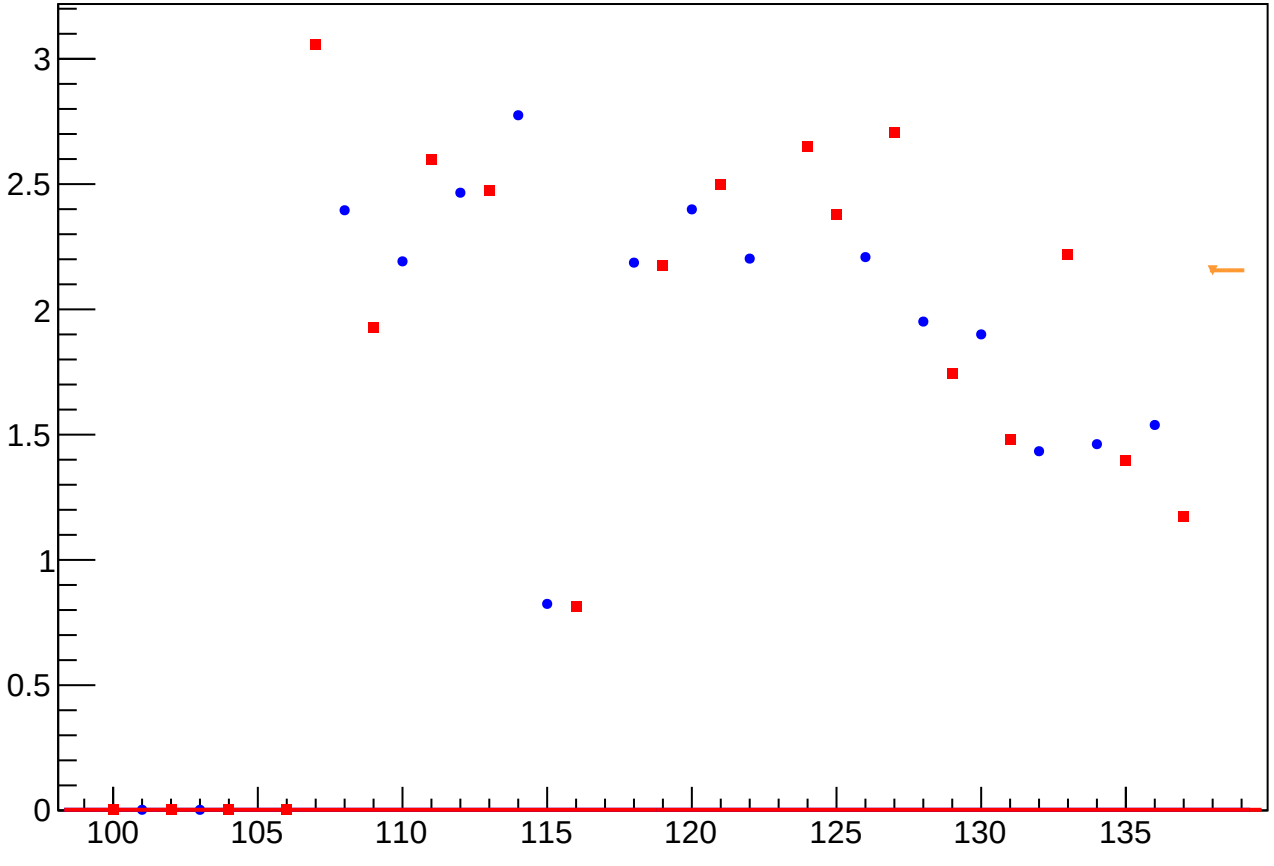
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.337+/-0.000 χ^2/NDF:47088045550.1/15

Out: 125.392+/-0.000 χ^2/NDF:774176678998941.

All: 131.818+/-0.000 χ^2/NDF: 79300885330

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 2.156+/-0.002 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2.156+/-0.002 χ^2/NDF: 0.0/0

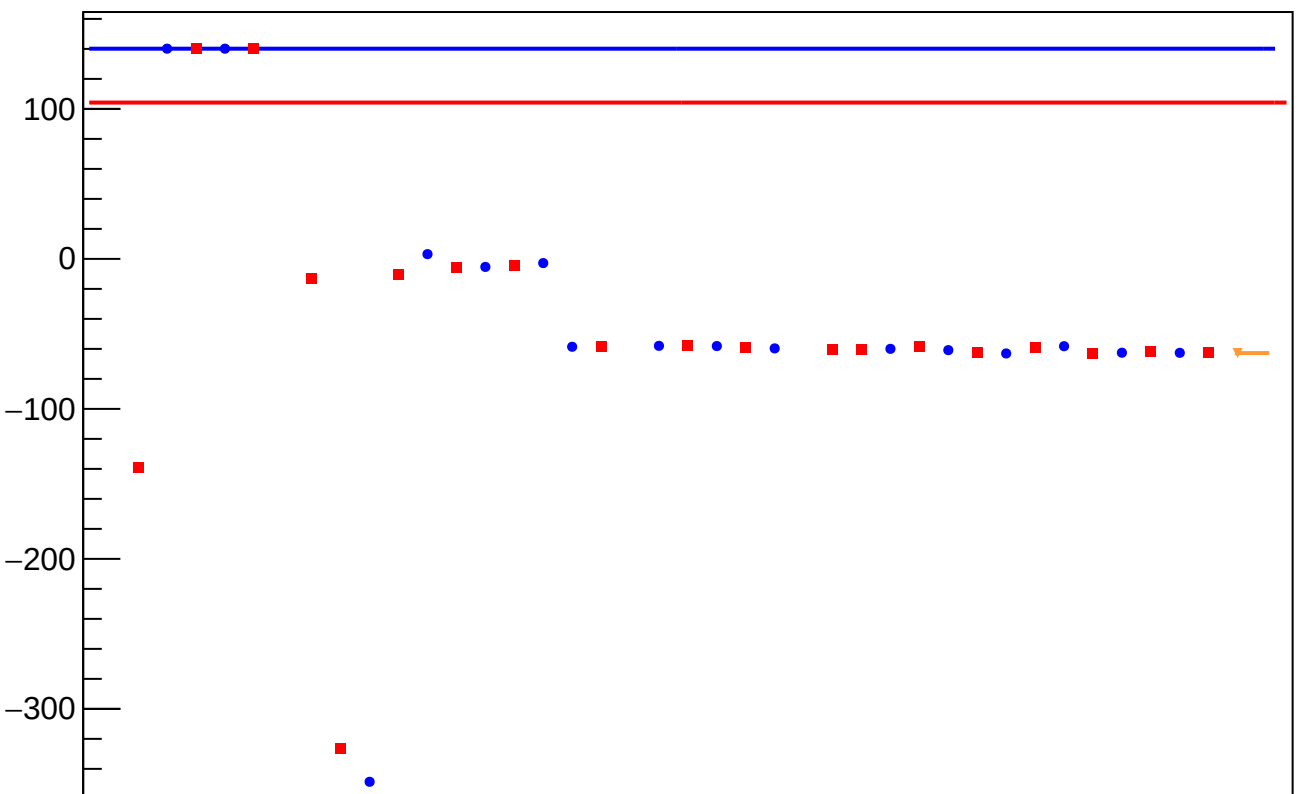
Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:9565657.6/15

Out: 0.003+/-0.000 χ^2/NDF:11049207.0/19

All: 0.003+/-0.000 χ^2/NDF: 20615031.2/35

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -62.802+/-0.001 χ^2/NDF:0.0/0

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -62.802+/-0.001 χ^2/NDF: 0.0/0

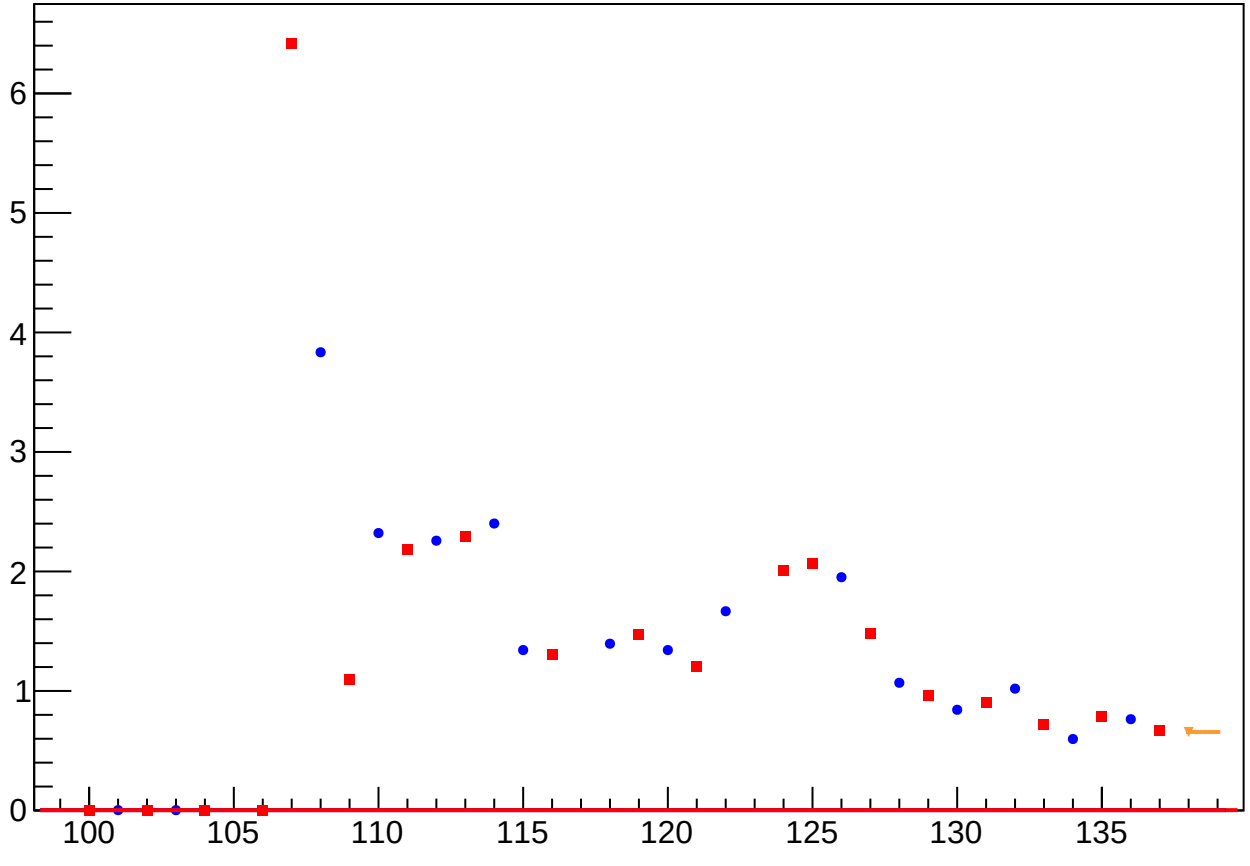
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.143+/-0.000 χ^2/NDF:187461723281.9/15

Out: 104.223+/-0.000 χ^2/NDF:125745003127389

All: 120.831+/-0.000 χ^2/NDF: 13809539057

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.657+/-0.001 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.657+/-0.001 χ^2/NDF: 0.0/0

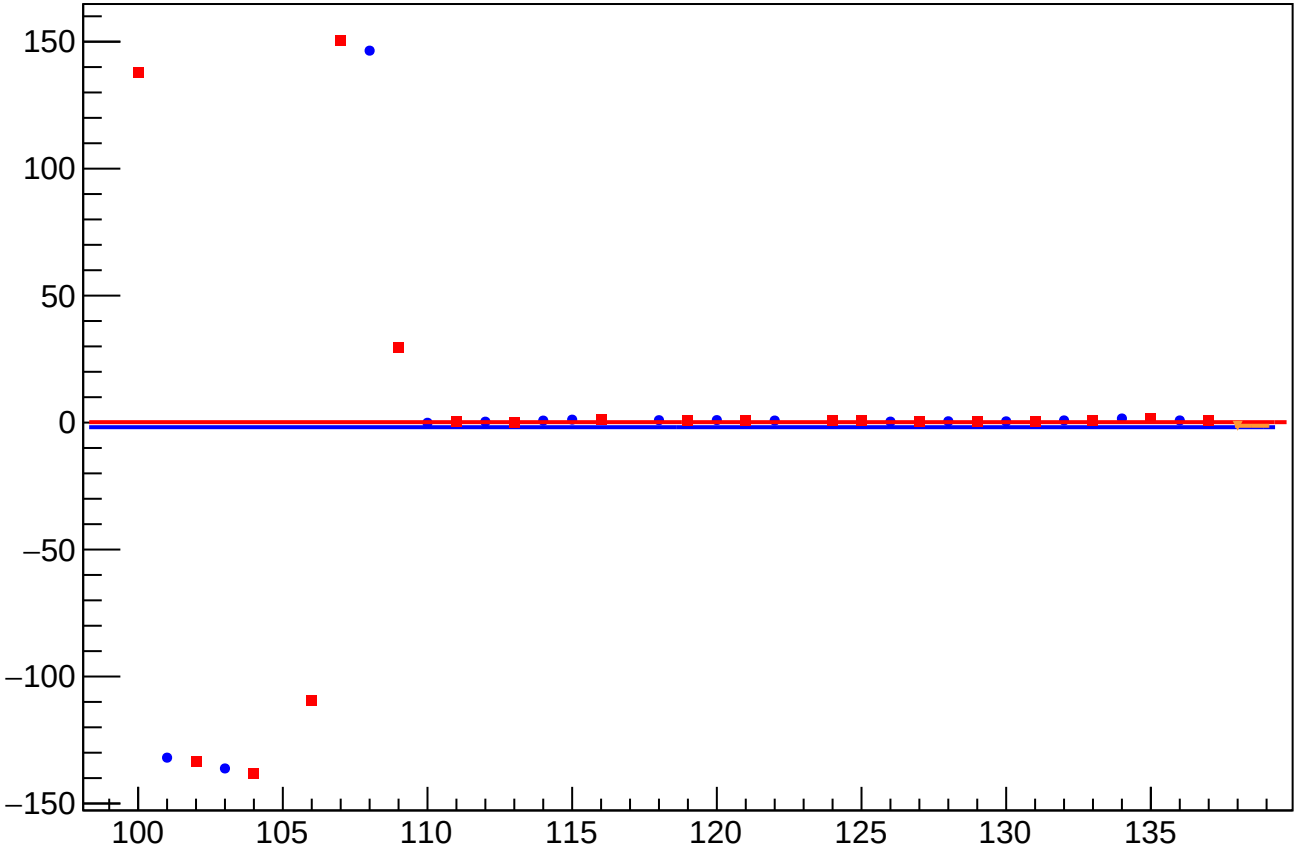
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:10578723.1/15

Out: 0.003+/-0.000 χ^2/NDF:11743625.1/19

All: 0.003+/-0.000 χ^2/NDF: 22322492.0/35

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -1.260+/-0.001 χ^2/NDF:0.0/0

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1.260+/-0.001 χ^2/NDF: 0.0/0

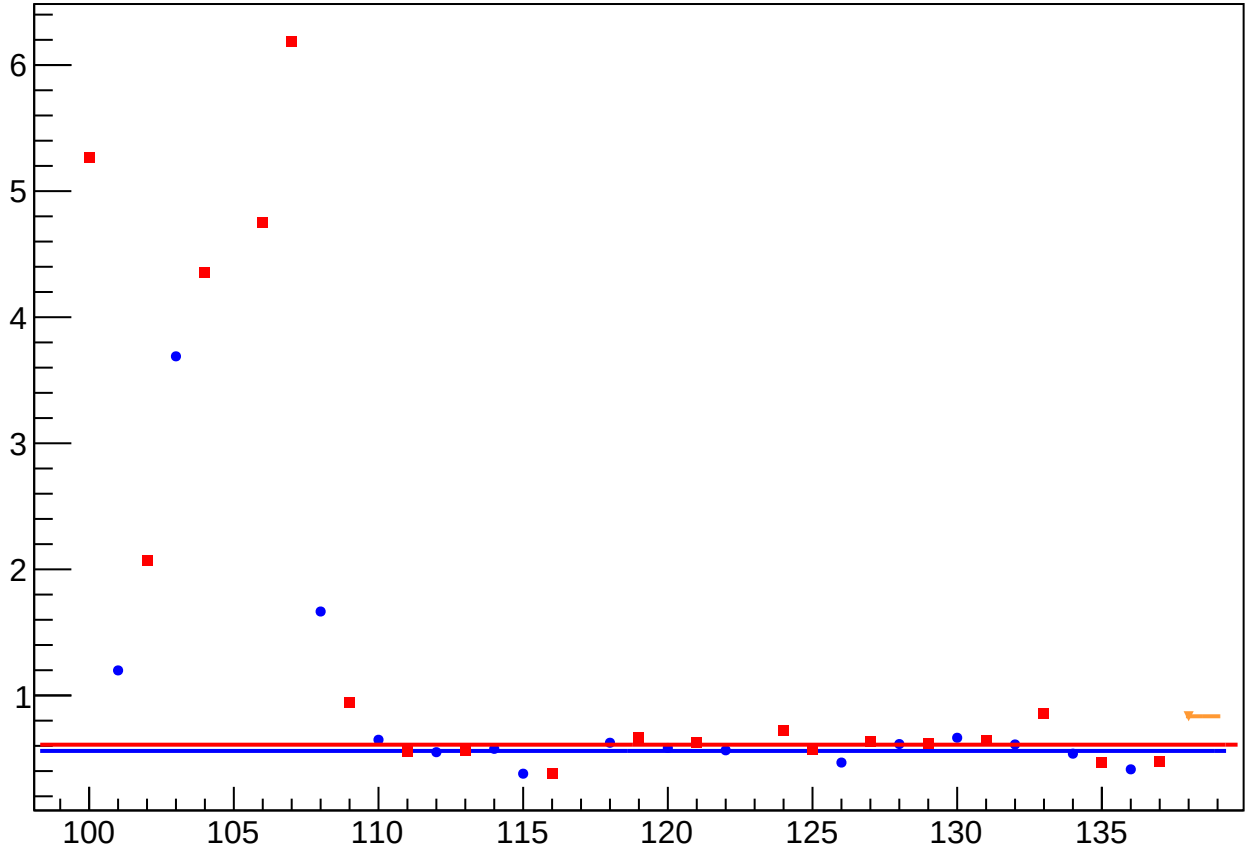
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.818+/-0.000 χ^2/NDF:9887177310.2/15

Out: 0.070+/-0.000 χ^2/NDF:3613058669.4/19

All: -0.930+/-0.000 χ^2/NDF: 13527281723.3/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.835+/-0.001 χ^2/NDF:0.0/0

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

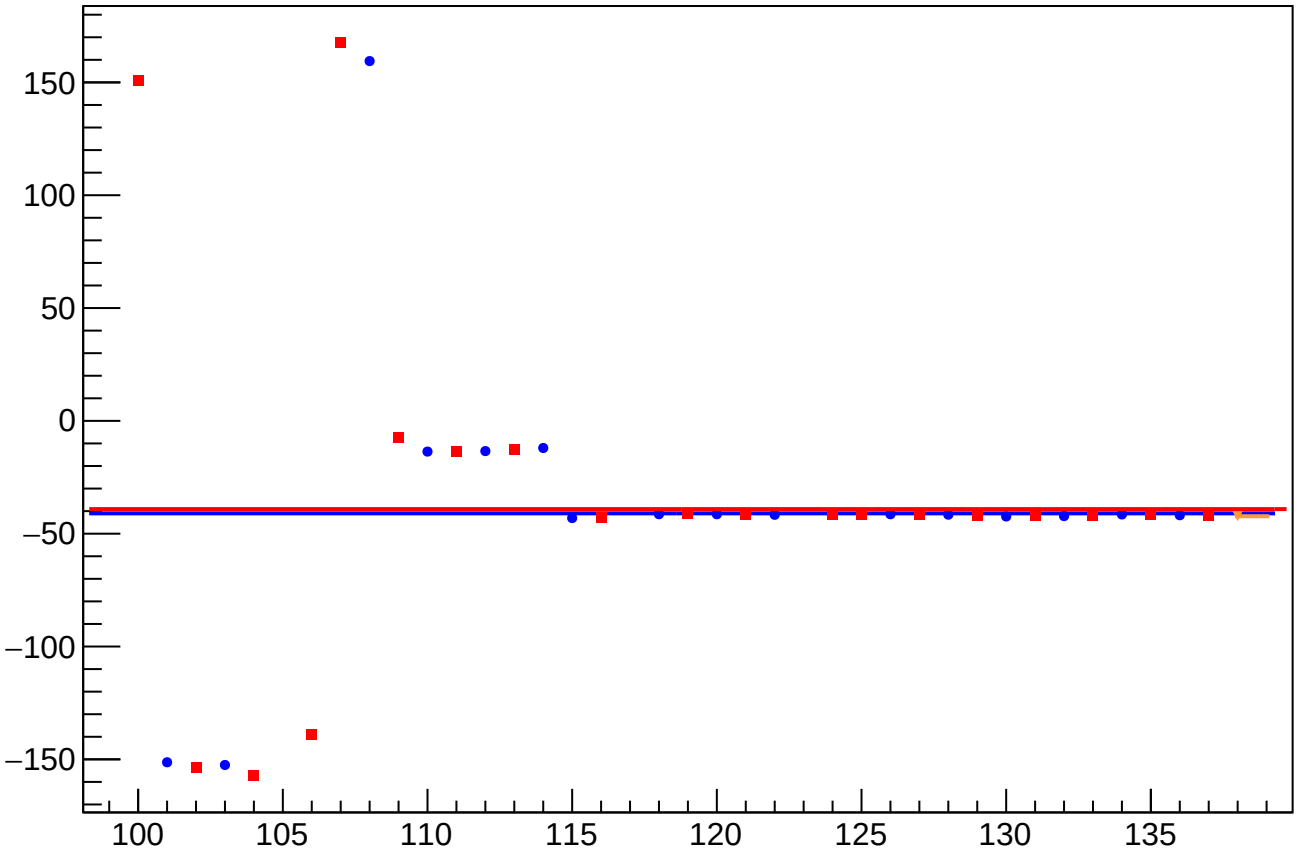
Left: 0.835+/-0.001 χ^2/NDF: 0.0/0

Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

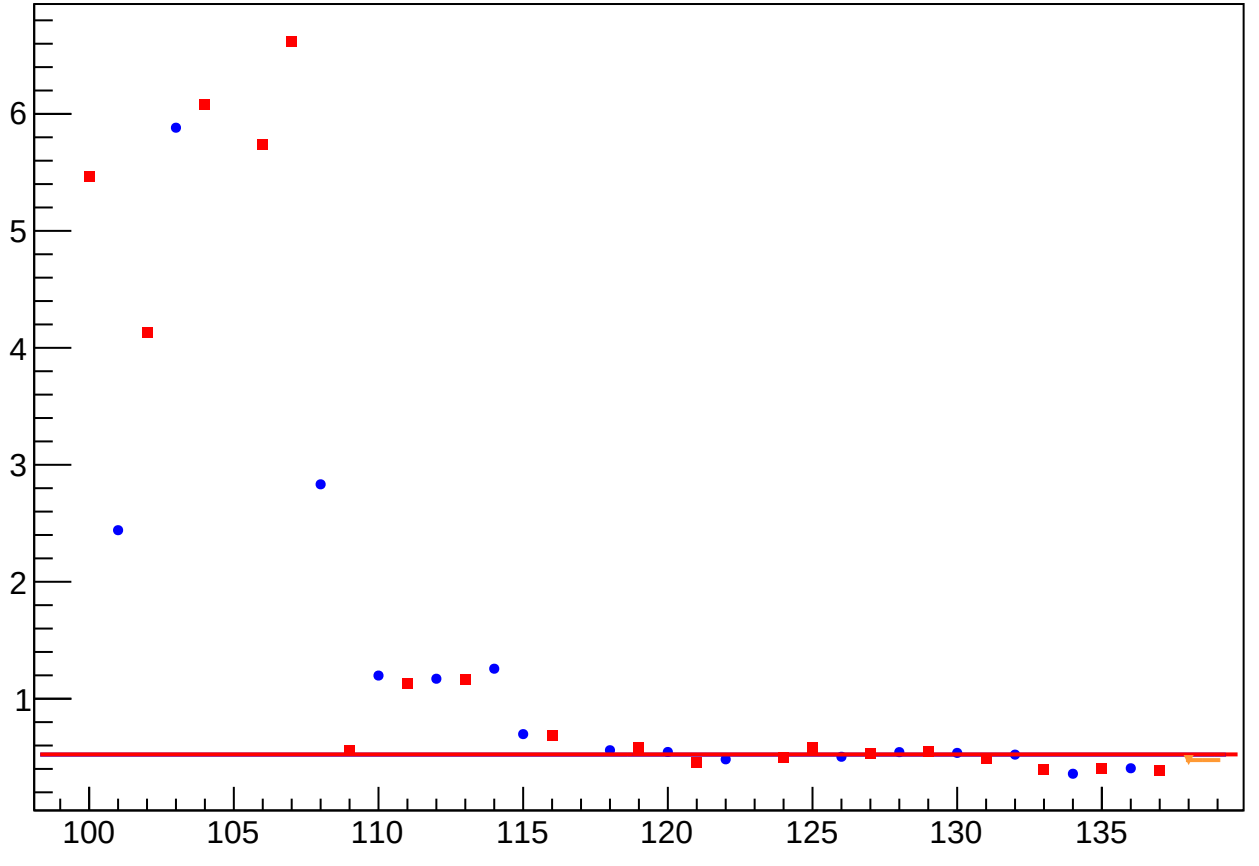
In: 0.560+/-0.000 χ^2/NDF:1598439.5/15

Out: 0.624+/-0.000 χ^2/NDF:2566708.6/19

All: 0.590+/-0.000 χ^2/NDF: 4228424.9/35


yield_cav4cY_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
105
110
115
120
125
130
135
Right In: -40.987+/-0.000 χ²/NDF: 3449622021.8/15
Left Out: -42.267+/-0.001 χ²/NDF:0.0/0
Right Out: -39.101+/-0.000 χ²/NDF: 2480133442.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -42.267+/-0.001 χ²/NDF: 0.0/0
Right: -40.058+/-0.000 χ²/NDF: 5962079351.2/34
In: -40.987+/-0.000 χ²/NDF:3449622021.8/15
Out: -39.555+/-0.000 χ²/NDF:2505869304.3/19
All: -40.226+/-0.000 χ²/NDF: 5975589509.2/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.475+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

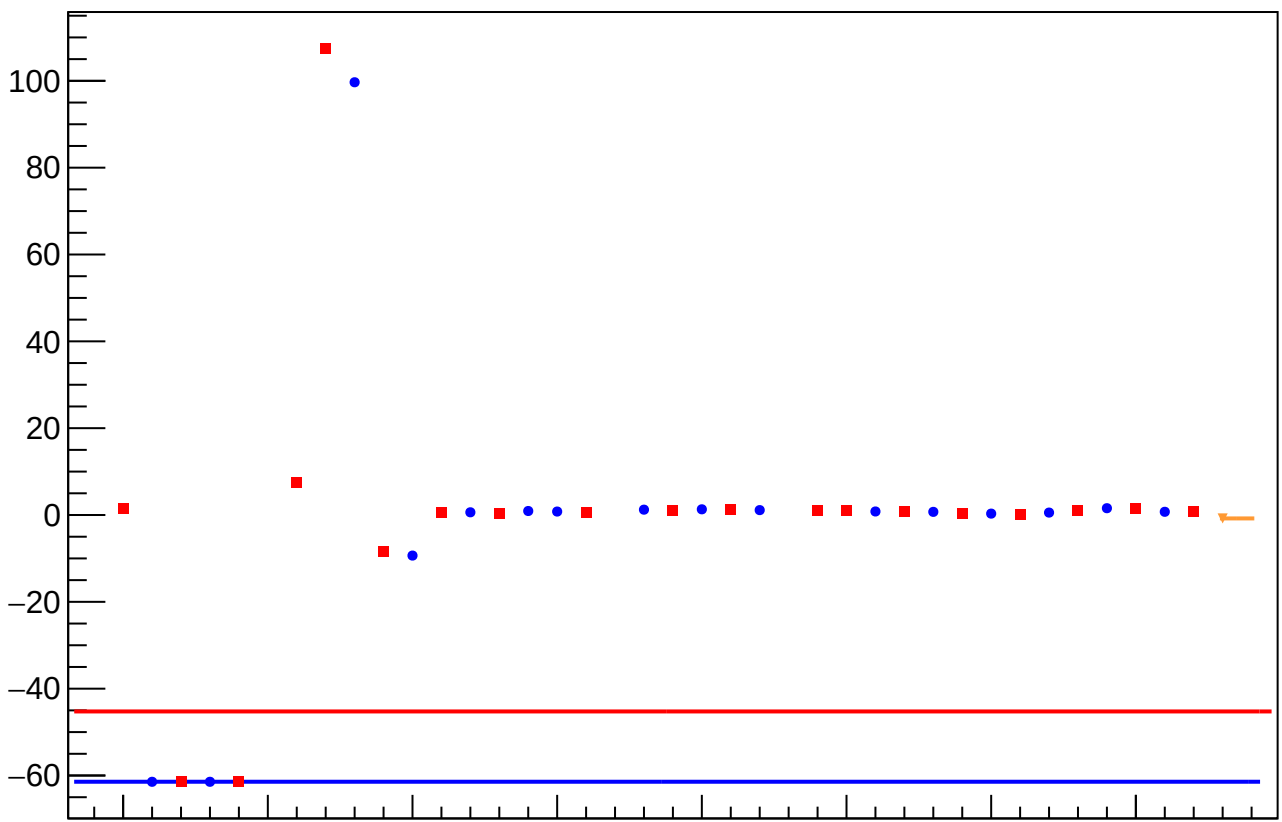
Left: 0.475+/-0.000 χ^2/NDF: 0.0/0

Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.522+/-0.000 χ^2/NDF:2949327.6/15

Out: 0.517+/-0.000 χ^2/NDF:3276615.9/19

All: 0.519+/-0.000 χ^2/NDF: 6226436.8/35



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -0.788+/-0.001 χ^2/NDF:0.0/0

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.788+/-0.001 χ^2/NDF: 0.0/0

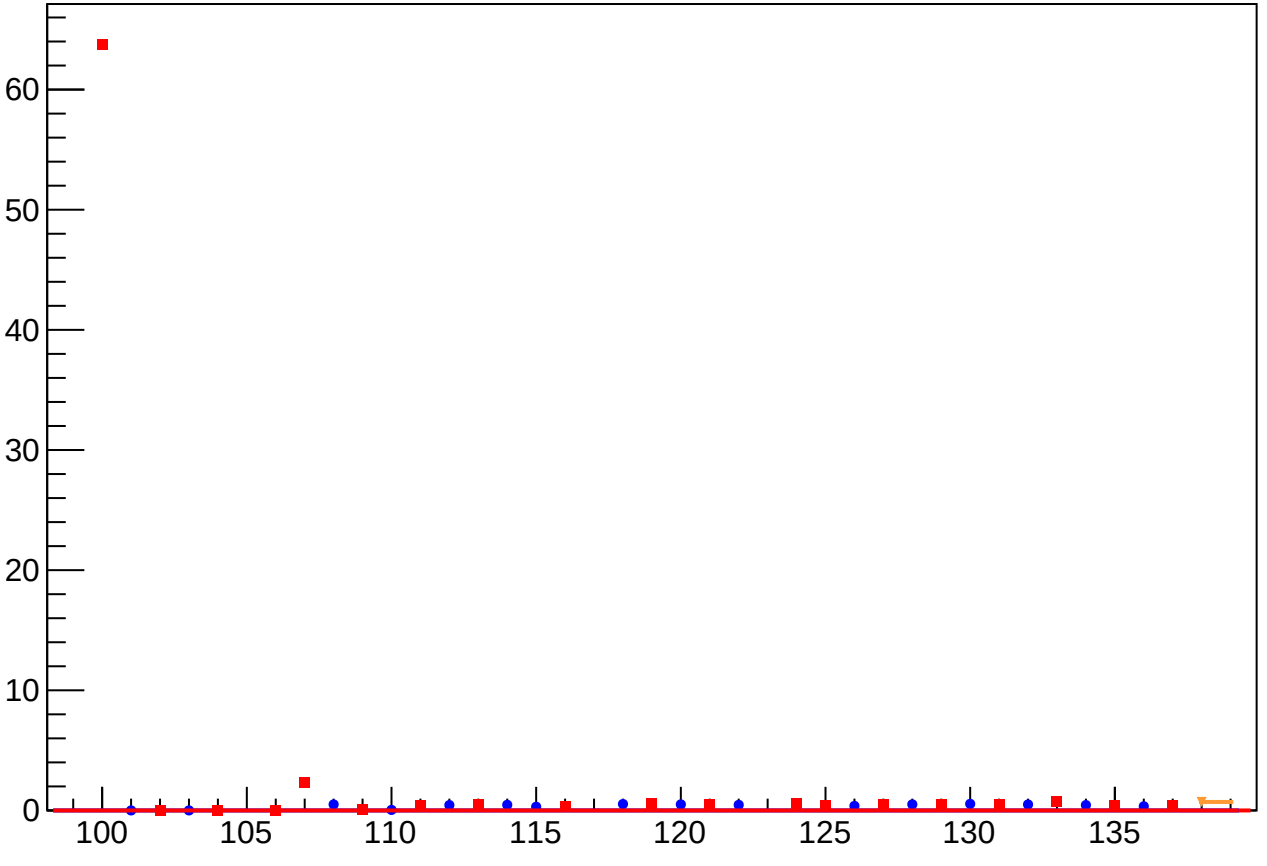
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.436+/-0.000 χ^2/NDF:273496278670.9/15

Out: -45.245+/-0.000 χ^2/NDF:357872998262553.9

All: -52.749+/-0.000 χ^2/NDF: 409125565715

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.707+/-0.001 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.707+/-0.001 χ^2/NDF: 0.0/0

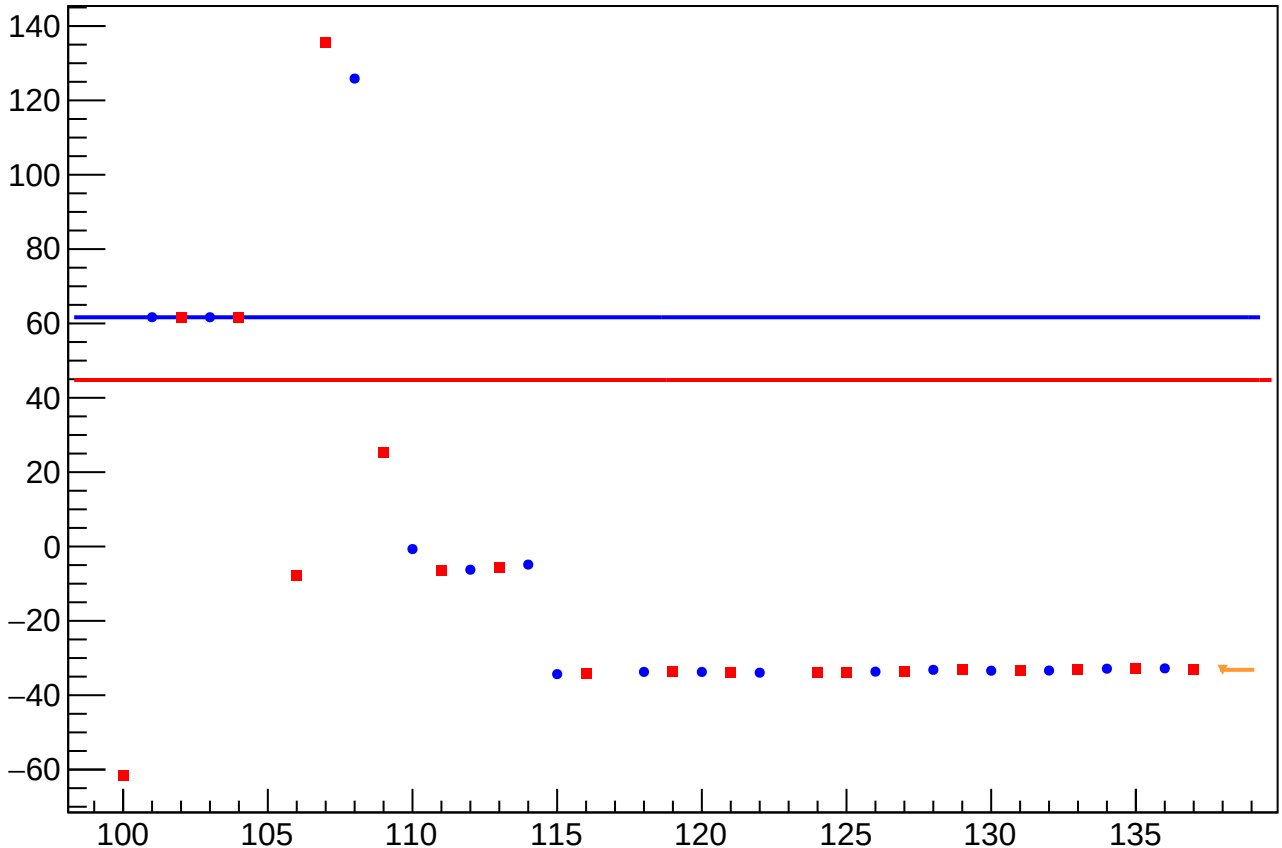
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:9156181.6/15

Out: 0.001+/-0.000 χ^2/NDF:10689641.5/19

All: 0.001+/-0.000 χ^2/NDF: 19845823.1/35

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -33.169+/-0.000 χ^2/NDF:0.0/0

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -33.169+/-0.000 χ^2/NDF: 0.0/0

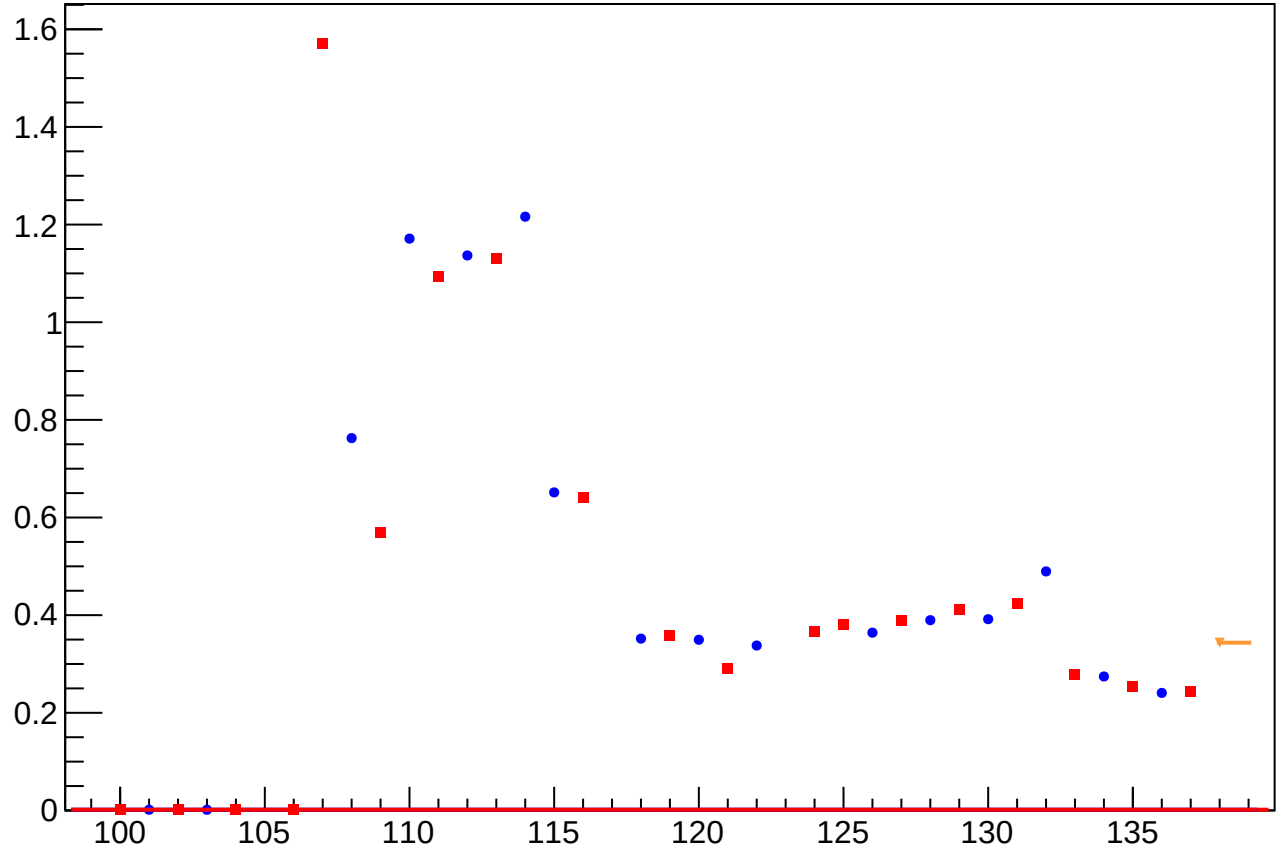
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.662+/-0.000 χ^2/NDF:369463062074.0/15

Out: 44.784+/-0.000 χ^2/NDF:366132928137704.9

All: 52.688+/-0.000 χ^2/NDF: 417614359031

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.344+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.344+/-0.000 χ^2/NDF: 0.0/0

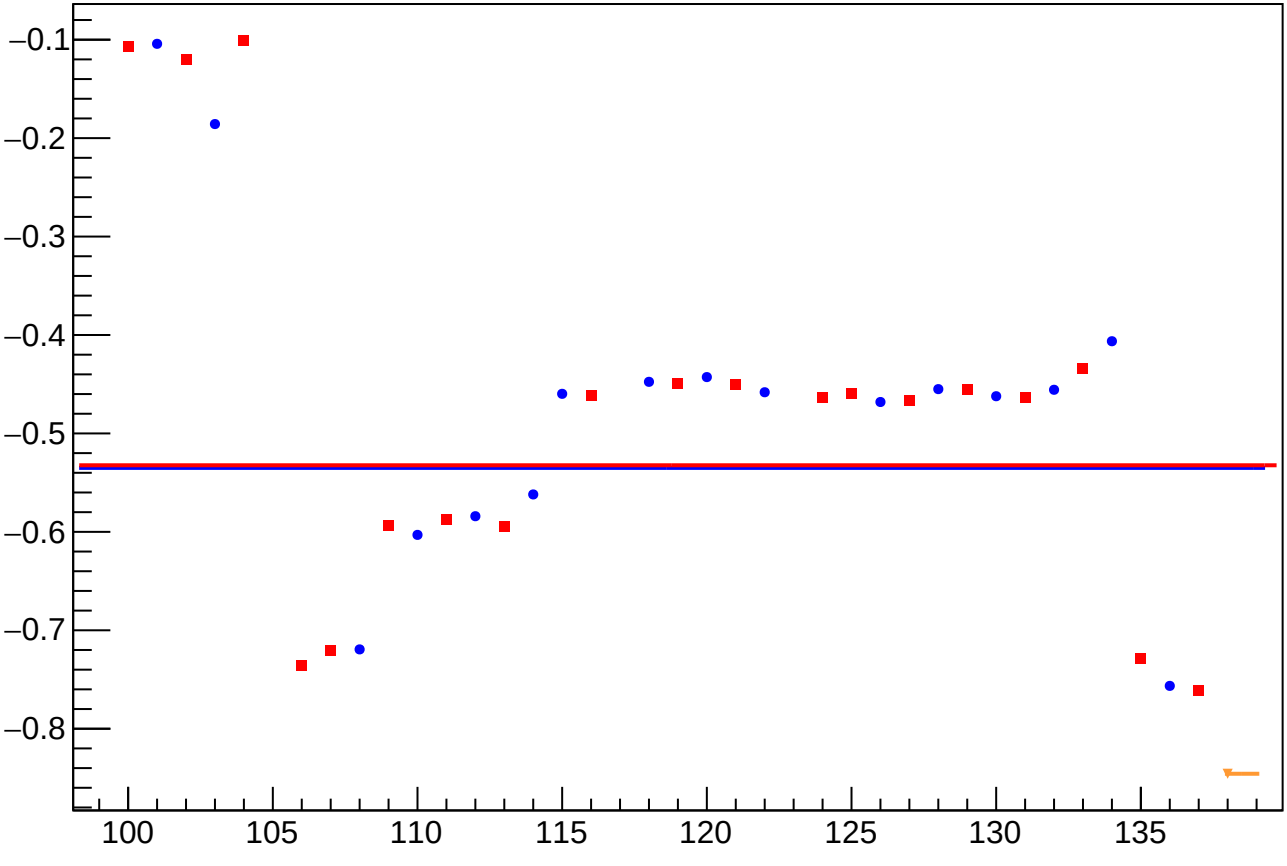
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:11024564.1/15

Out: 0.002+/-0.000 χ^2/NDF:12028354.2/19

All: 0.002+/-0.000 χ^2/NDF: 23053133.7/35

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.846+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.846+/-0.000 χ^2/NDF: 0.0/0

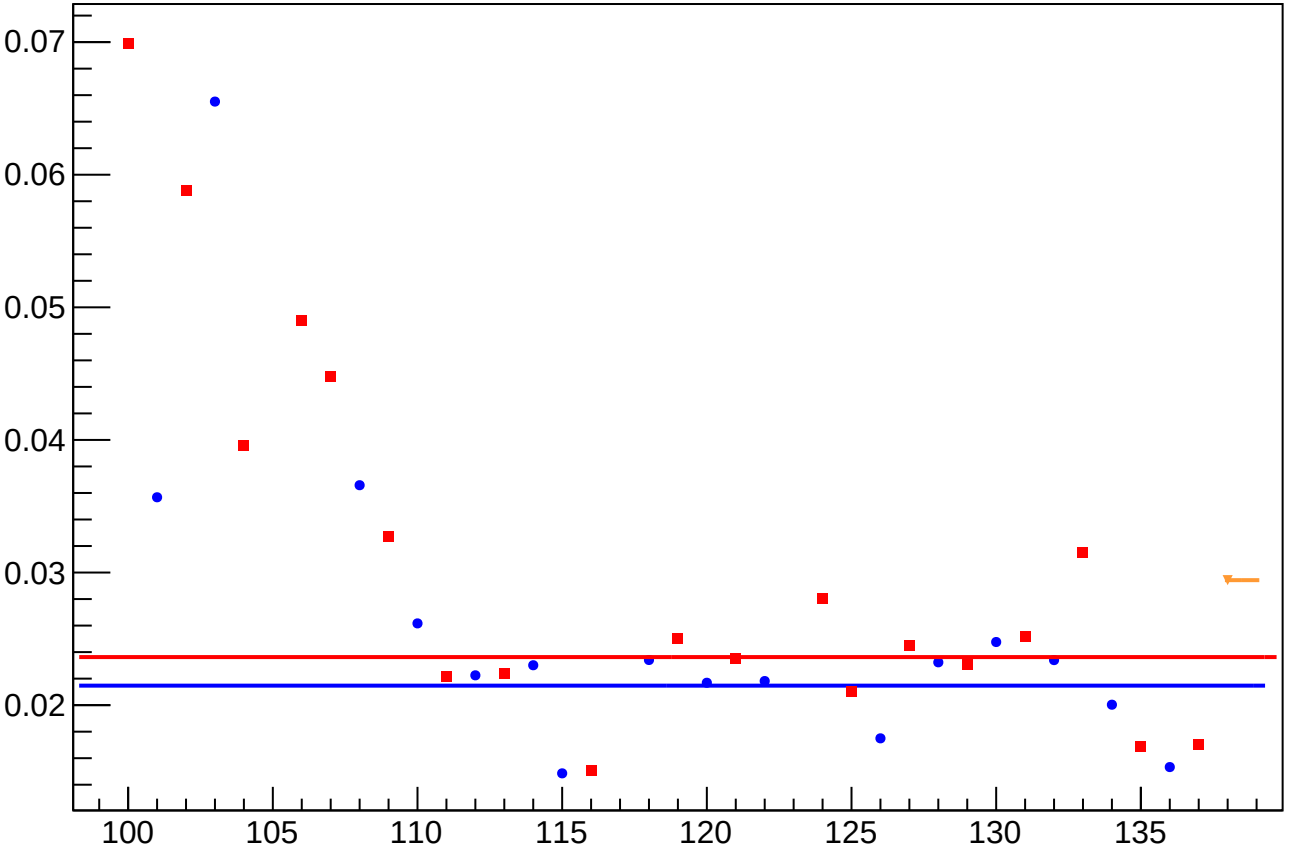
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.535+/-0.000 χ^2/NDF:300846309.5/15

Out: -0.554+/-0.000 χ^2/NDF:282391558.5/19

All: -0.544+/-0.000 χ^2/NDF: 585284940.6/35

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.029+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.029+/-0.000 χ^2/NDF: 0.0/0

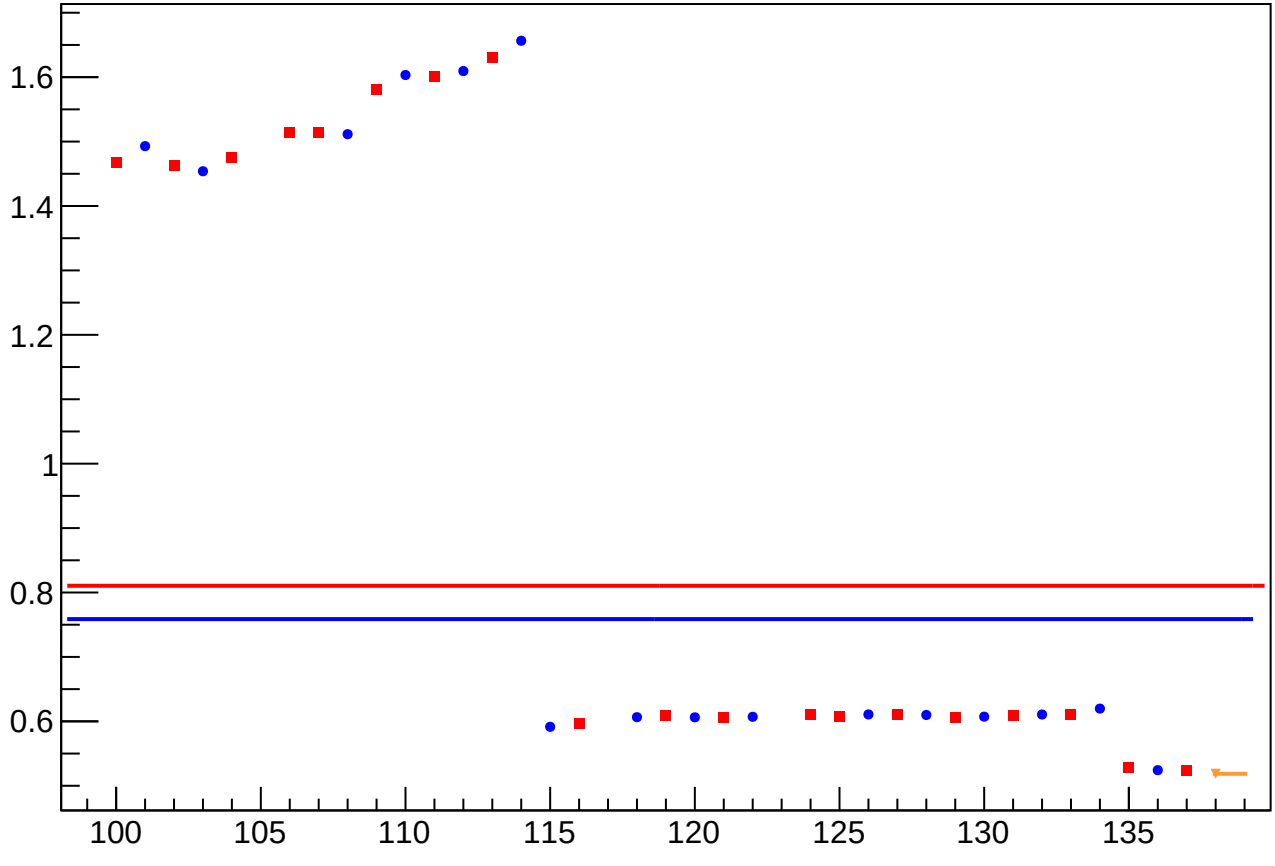
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1153987.6/15

Out: 0.024+/-0.000 χ^2/NDF:1324042.9/19

All: 0.023+/-0.000 χ^2/NDF: 2551038.7/35

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.519+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.519+/-0.000 χ^2/NDF: 0.0/0

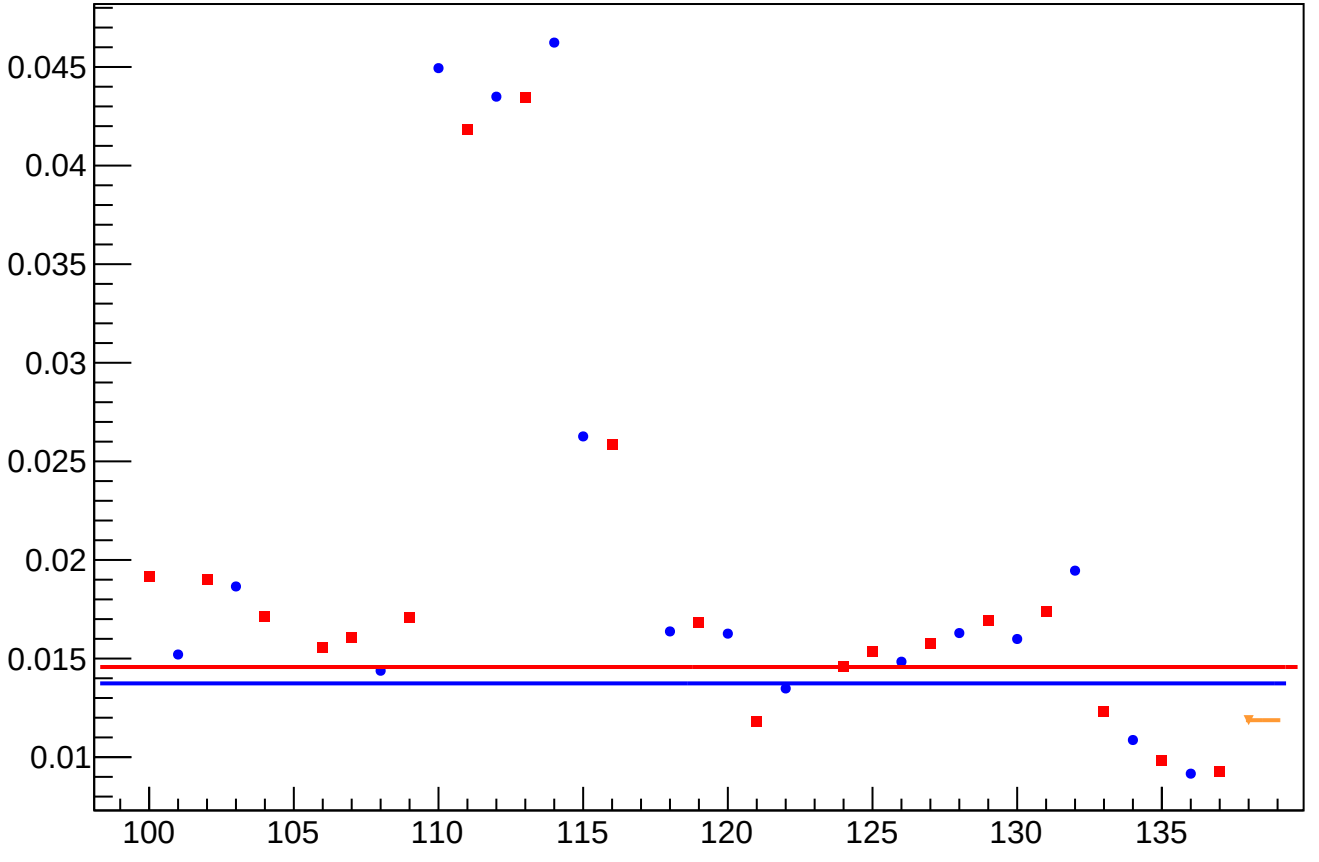
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.759+/-0.000 χ^2/NDF:4304169889.2/15

Out: 0.766+/-0.000 χ^2/NDF:5148730260.7/19

All: 0.763+/-0.000 χ^2/NDF: 9453828882.2/35

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:0.0/0

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.012+/-0.000 χ^2/NDF: 0.0/0

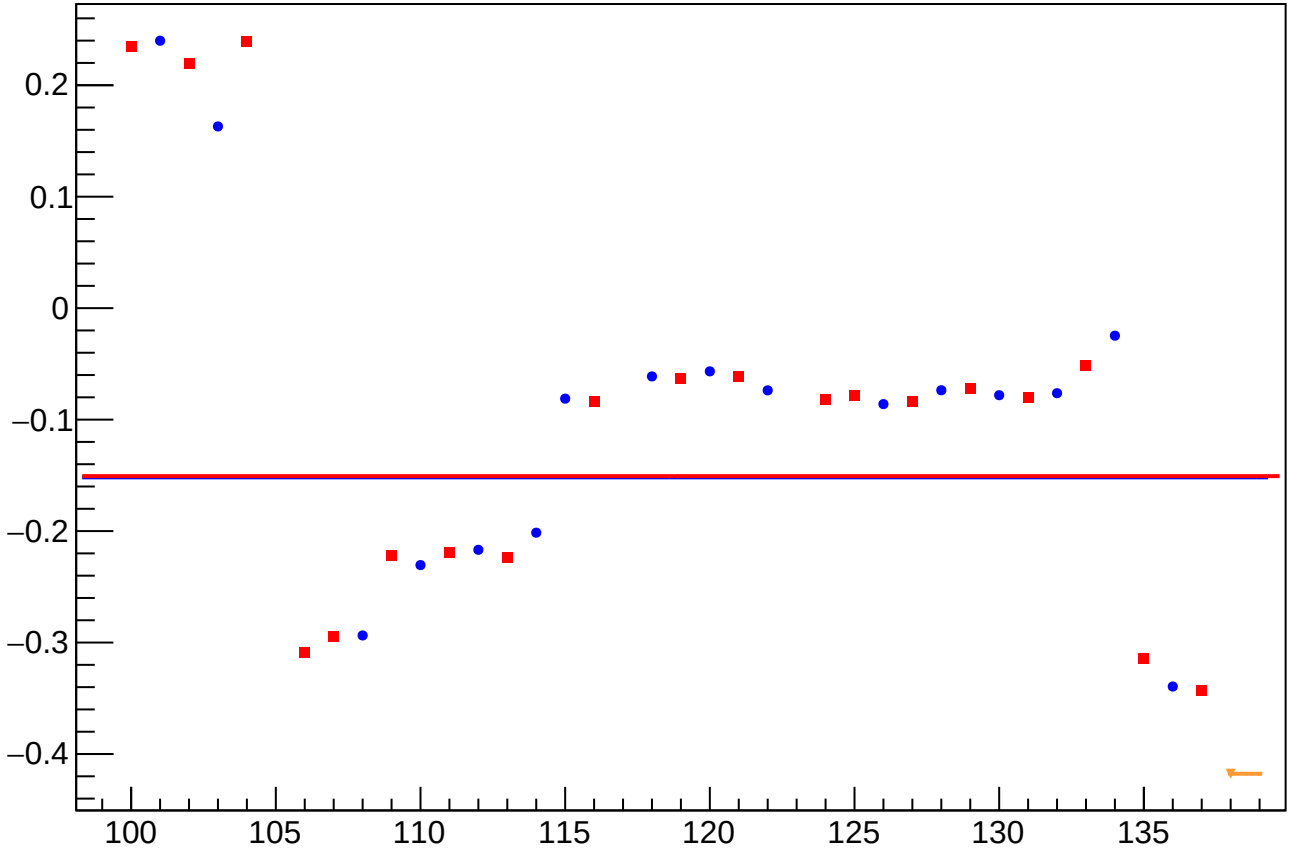
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.014+/-0.000 χ^2/NDF:1649769.2/15

Out: 0.014+/-0.000 χ^2/NDF:1519836.5/19

All: 0.014+/-0.000 χ^2/NDF: 3175481.6/35

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.418+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.418+/-0.000 χ^2/NDF: 0.0/0

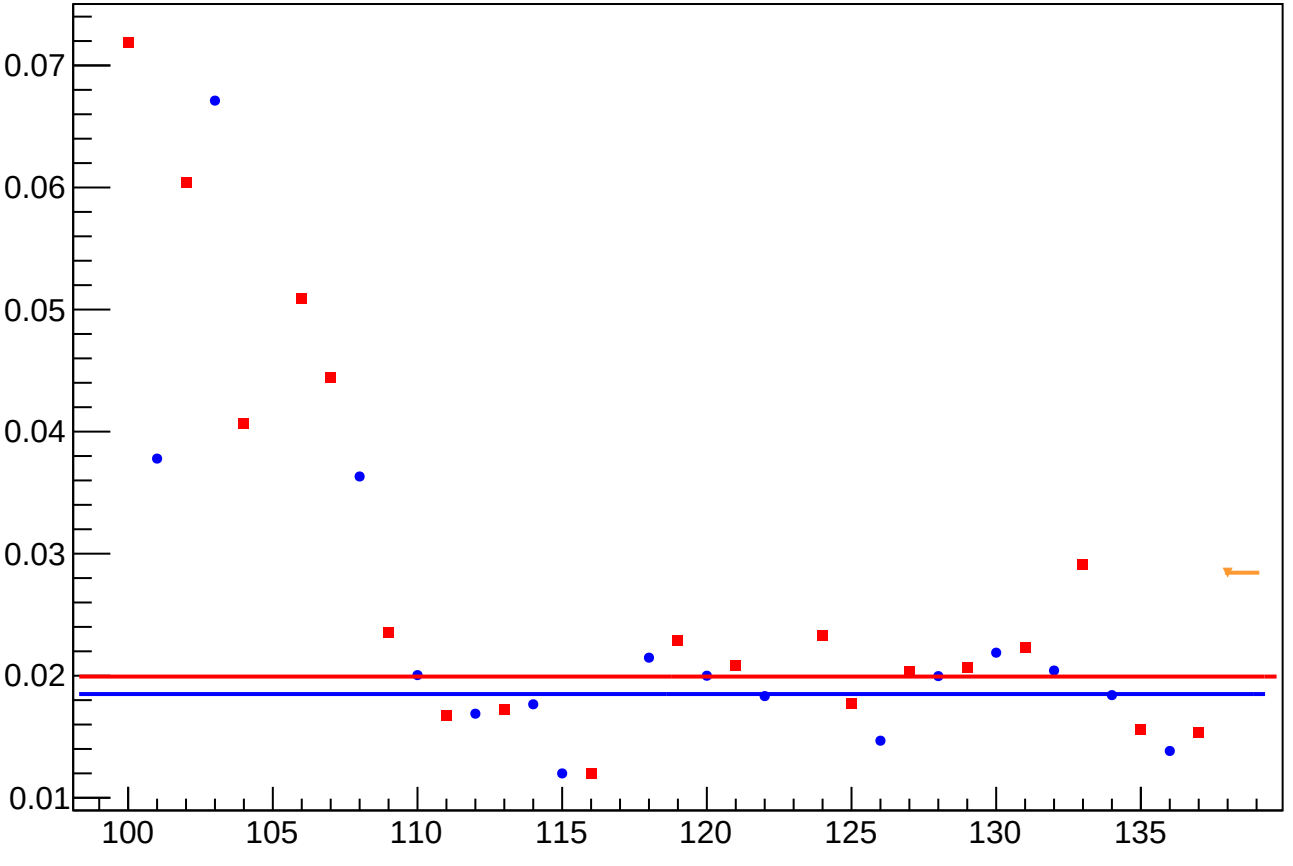
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.152+/-0.000 χ^2/NDF:276791709.3/15

Out: -0.166+/-0.000 χ^2/NDF:255069805.2/19

All: -0.159+/-0.000 χ^2/NDF: 533355072.5/35

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.028+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.028+/-0.000 χ^2/NDF: 0.0/0

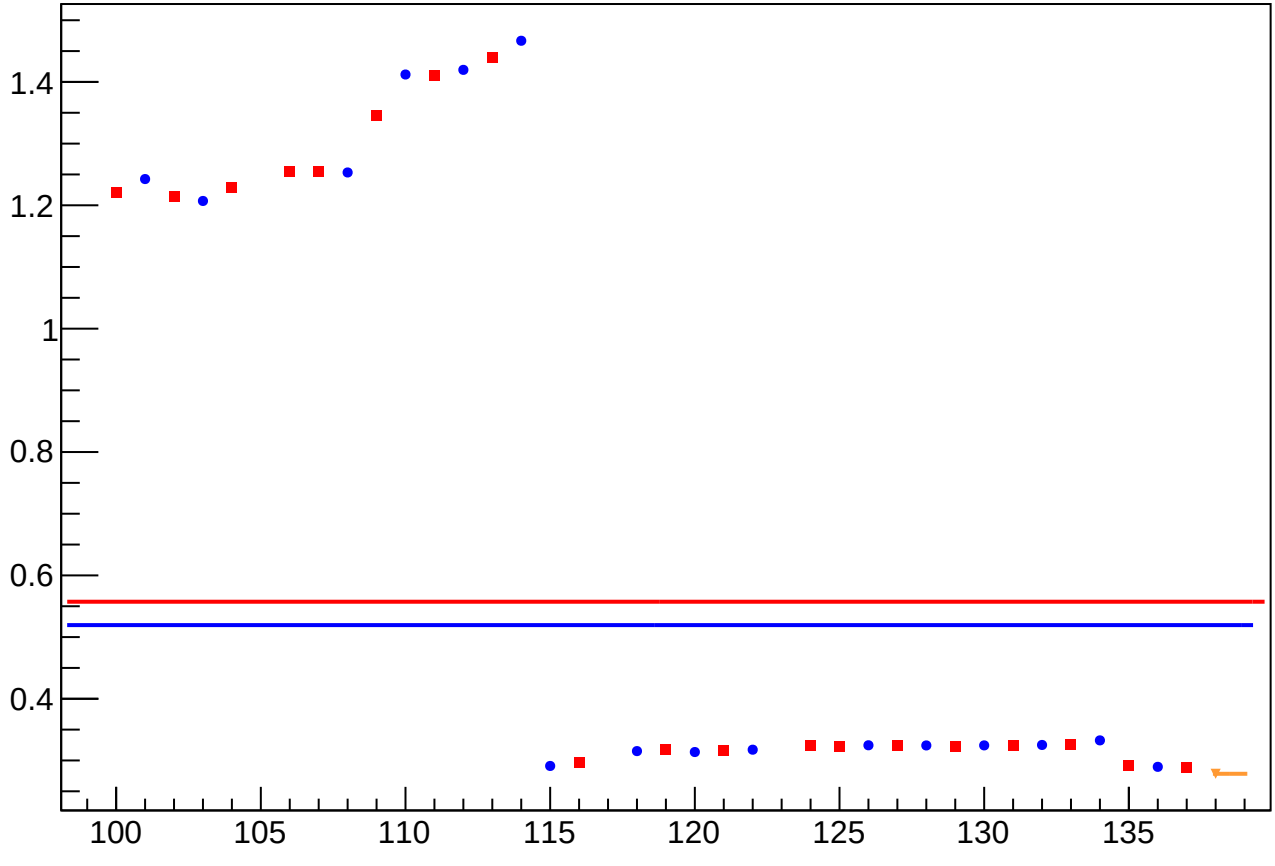
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.018+/-0.000 χ^2/NDF:1372359.1/15

Out: 0.020+/-0.000 χ^2/NDF:1660618.4/19

All: 0.019+/-0.000 χ^2/NDF: 3087983.9/35

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.278+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.278+/-0.000 χ^2/NDF: 0.0/0

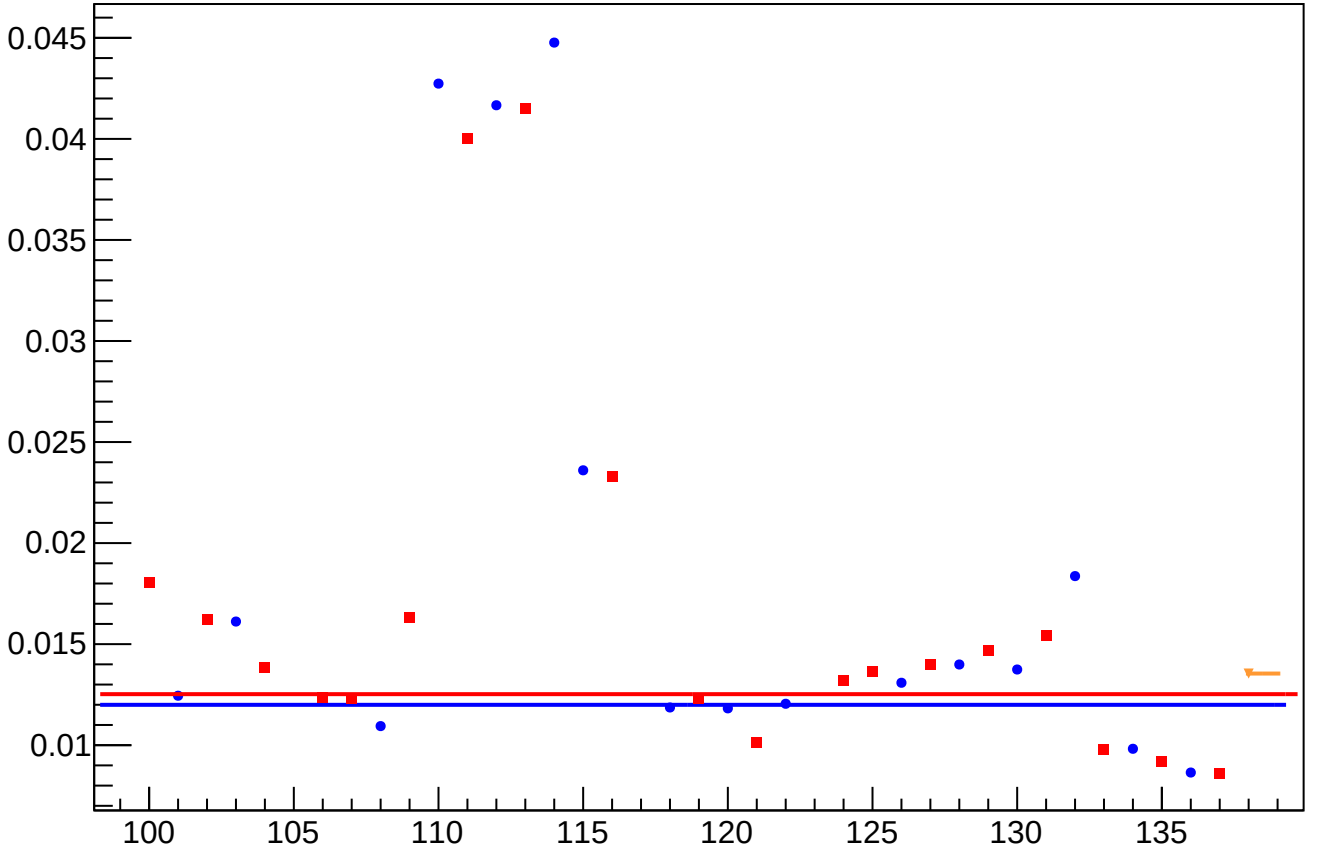
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.519+/-0.000 χ^2/NDF:6319132275.3/15

Out: 0.531+/-0.000 χ^2/NDF:7032660467.4/19

All: 0.525+/-0.000 χ^2/NDF: 13354627538.7/3

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.014+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.014+/-0.000 χ^2/NDF: 0.0/0

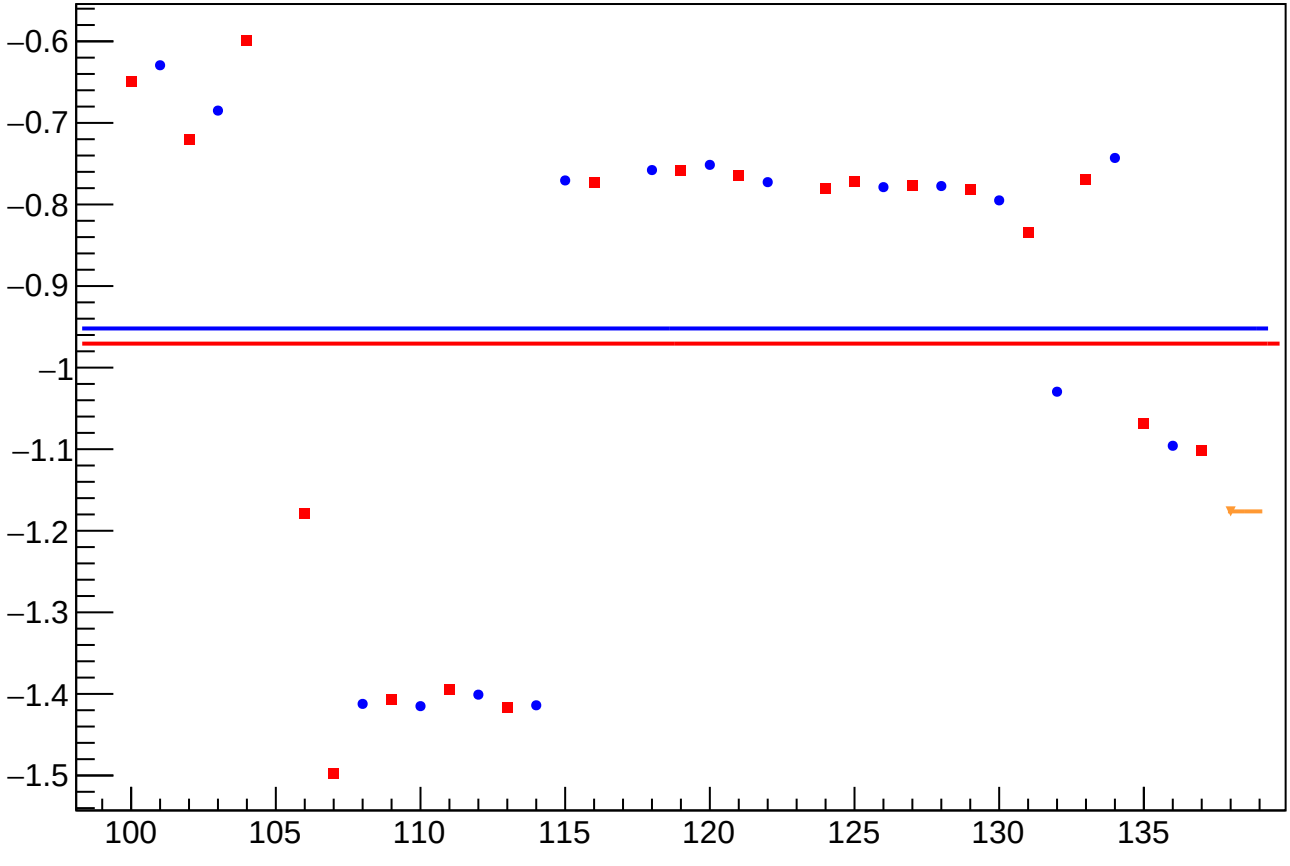
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.012+/-0.000 χ^2/NDF:1491608.2/15

Out: 0.013+/-0.000 χ^2/NDF:1441862.6/19

All: 0.012+/-0.000 χ^2/NDF: 2949931.4/35

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.176+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1.176+/-0.000 χ^2/NDF: 0.0/0

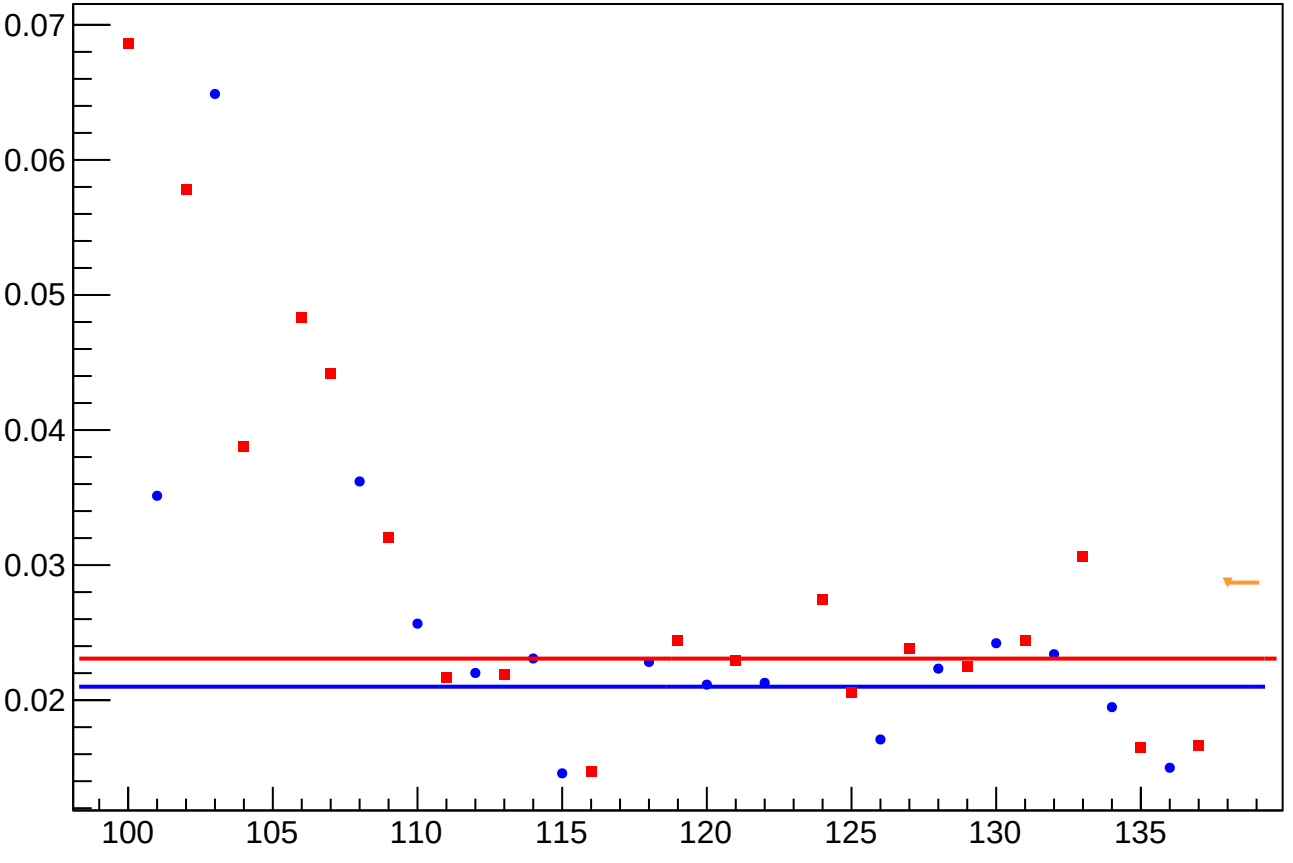
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -0.952+/-0.000 χ^2/NDF:699468857.6/15

Out: -0.985+/-0.000 χ^2/NDF:745395711.5/19

All: -0.968+/-0.000 χ^2/NDF: 1451201399.0/3

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.029+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.029+/-0.000 χ^2/NDF: 0.0/0

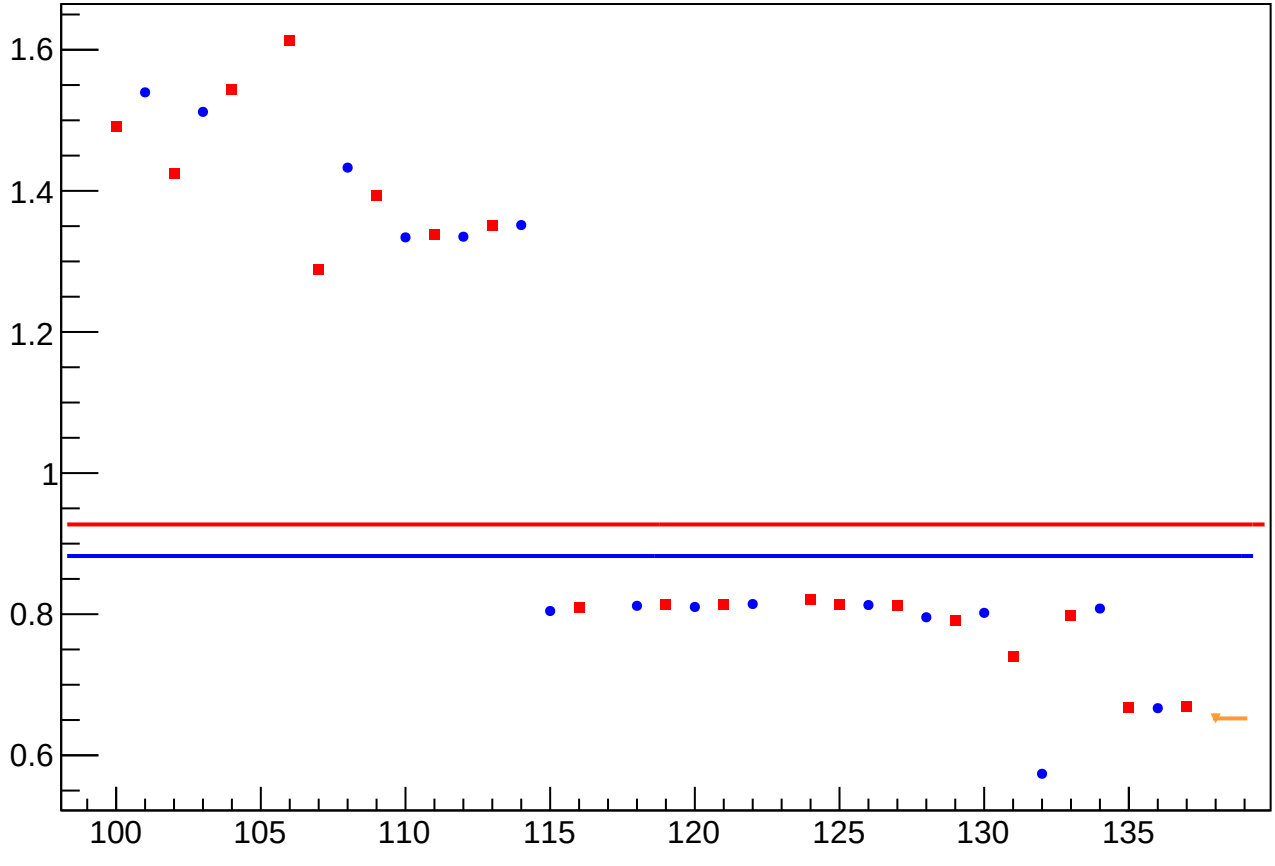
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.021+/-0.000 χ^2/NDF:1166992.9/15

Out: 0.023+/-0.000 χ^2/NDF:1327574.3/19

All: 0.022+/-0.000 χ^2/NDF: 2565942.3/35

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.652+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.652+/-0.000 χ^2/NDF: 0.0/0

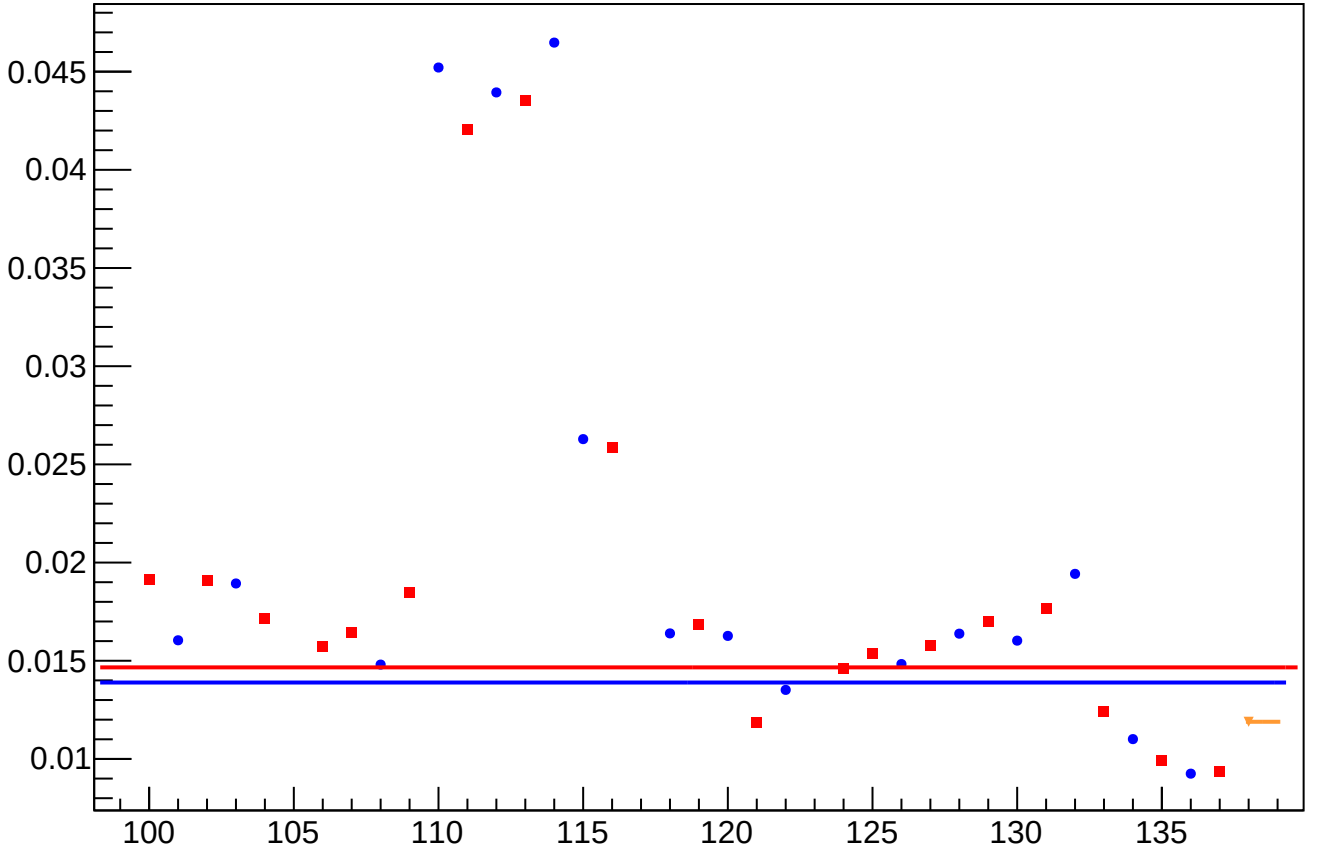
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.882+/-0.000 χ^2/NDF:2784156746.4/15

Out: 0.885+/-0.000 χ^2/NDF:3097764431.1/19

All: 0.884+/-0.000 χ^2/NDF: 5882024537.2/35

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:0.0/0

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.012+/-0.000 χ^2/NDF: 0.0/0

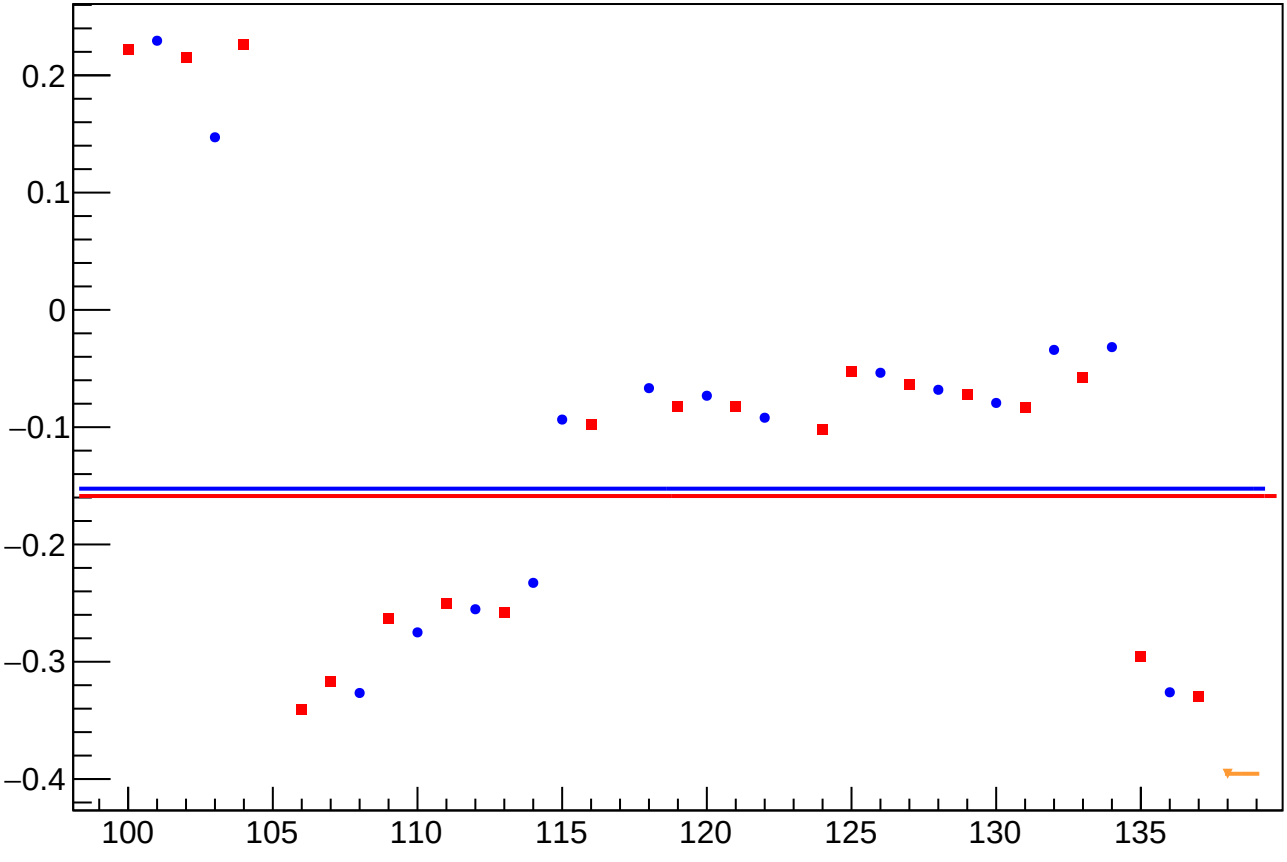
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.014+/-0.000 χ^2/NDF:1646691.8/15

Out: 0.014+/-0.000 χ^2/NDF:1535016.4/19

All: 0.014+/-0.000 χ^2/NDF: 3185573.7/35

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.395+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.395+/-0.000 χ^2/NDF: 0.0/0

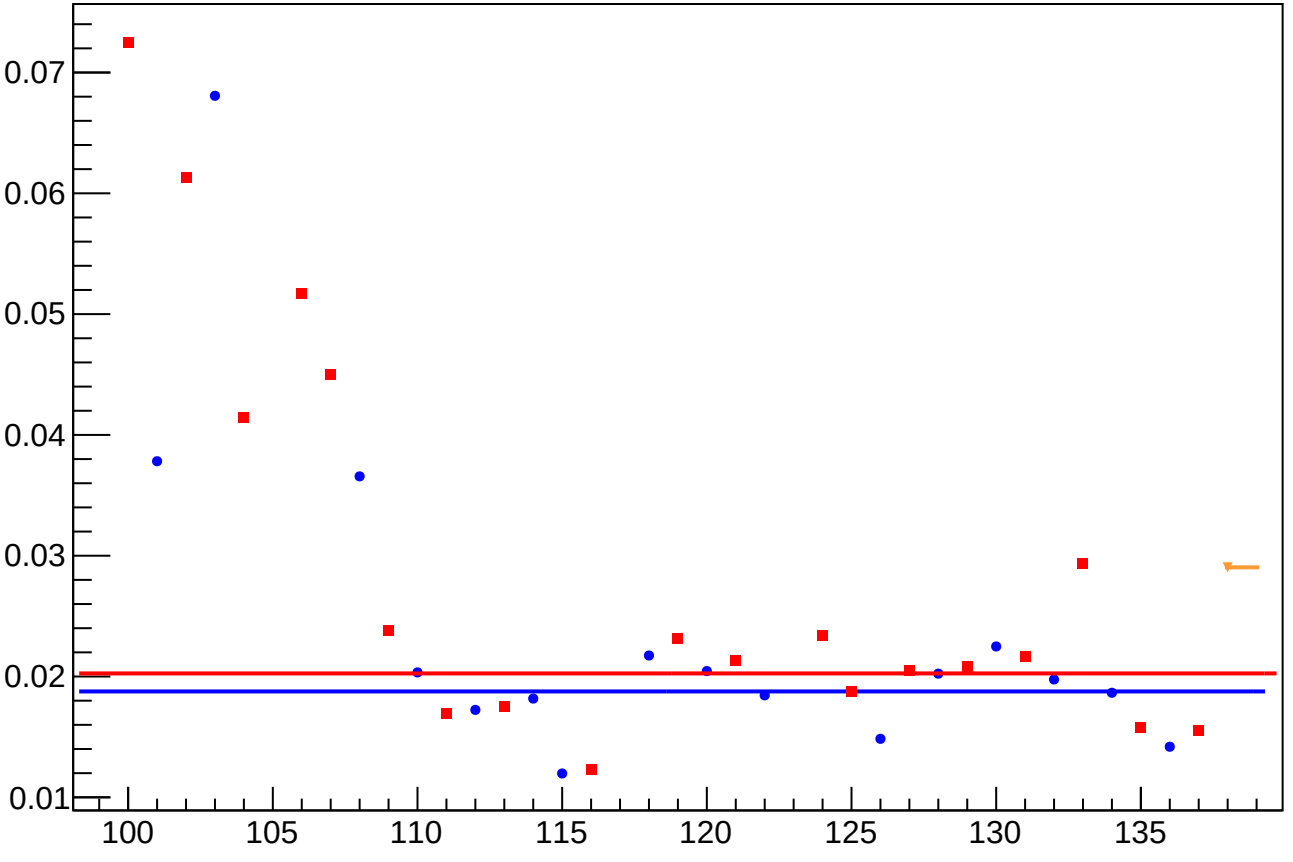
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.152+/-0.000 χ^2/NDF:274261842.6/15

Out: -0.172+/-0.000 χ^2/NDF:238076807.3/19

All: -0.162+/-0.000 χ^2/NDF: 515184514.3/35

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.029+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.029+/-0.000 χ^2/NDF: 0.0/0

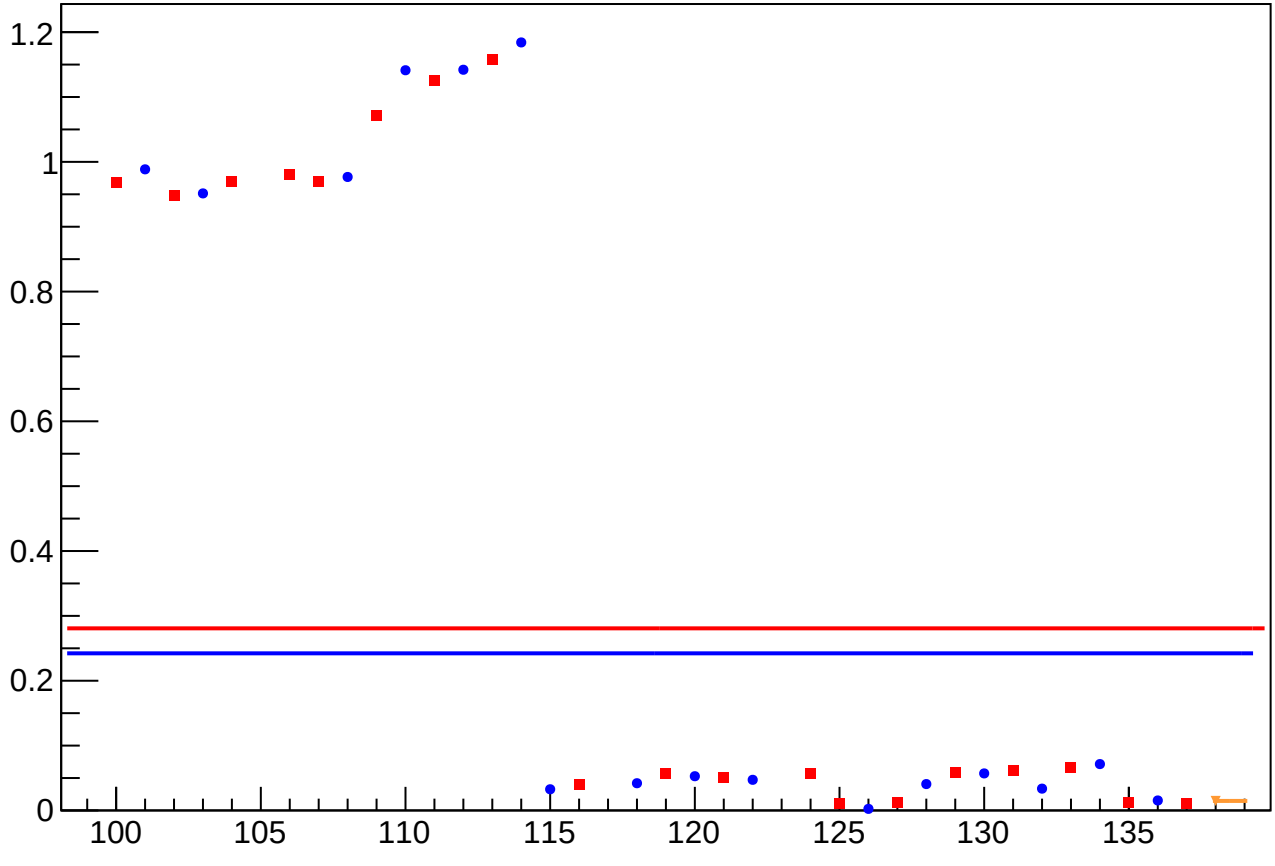
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1349412.3/15

Out: 0.021+/-0.000 χ^2/NDF:1646397.7/19

All: 0.020+/-0.000 χ^2/NDF: 3053500.1/35

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.015+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.015+/-0.000 χ^2/NDF: 0.0/0

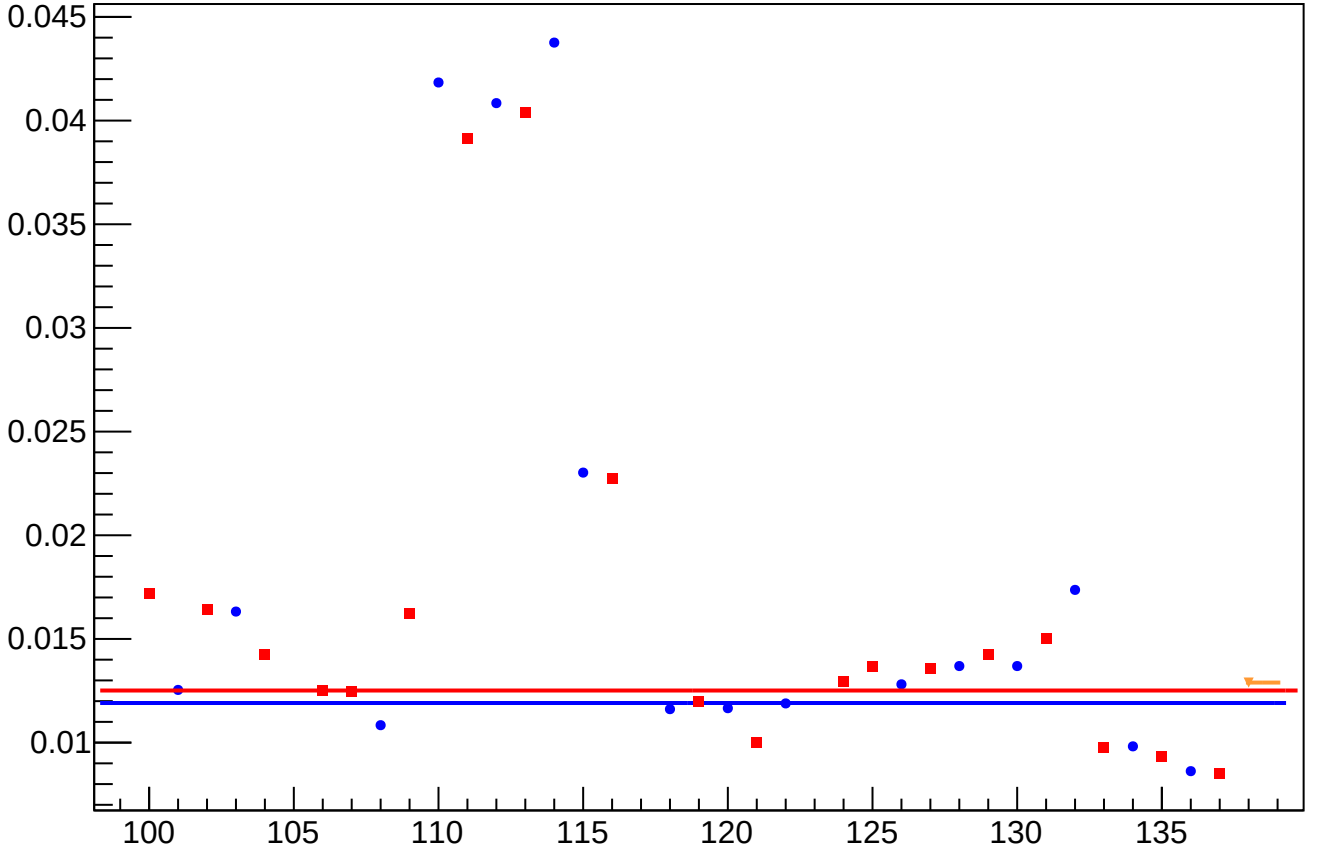
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.242+/-0.000 χ^2/NDF:6507444426.7/15

Out: 0.253+/-0.000 χ^2/NDF:7042046516.9/19

All: 0.248+/-0.000 χ^2/NDF: 13552194287.1/3

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.000 χ^2/NDF: 0.0/0

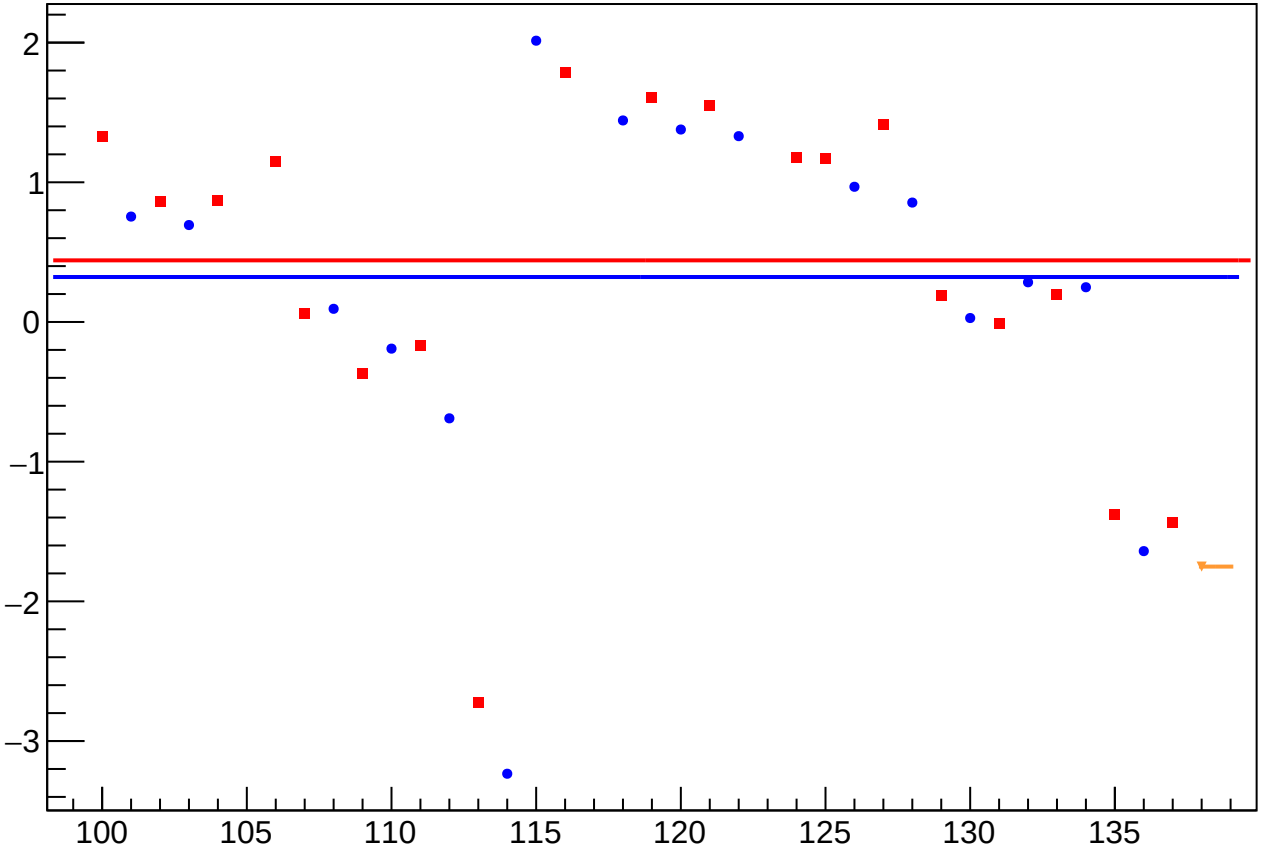
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.012+/-0.000 χ^2/NDF:1459428.8/15

Out: 0.013+/-0.000 χ^2/NDF:1393636.1/19

All: 0.012+/-0.000 χ^2/NDF: 2870714.1/35

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: -1.751+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1.751+/-0.000 χ^2/NDF: 0.0/0

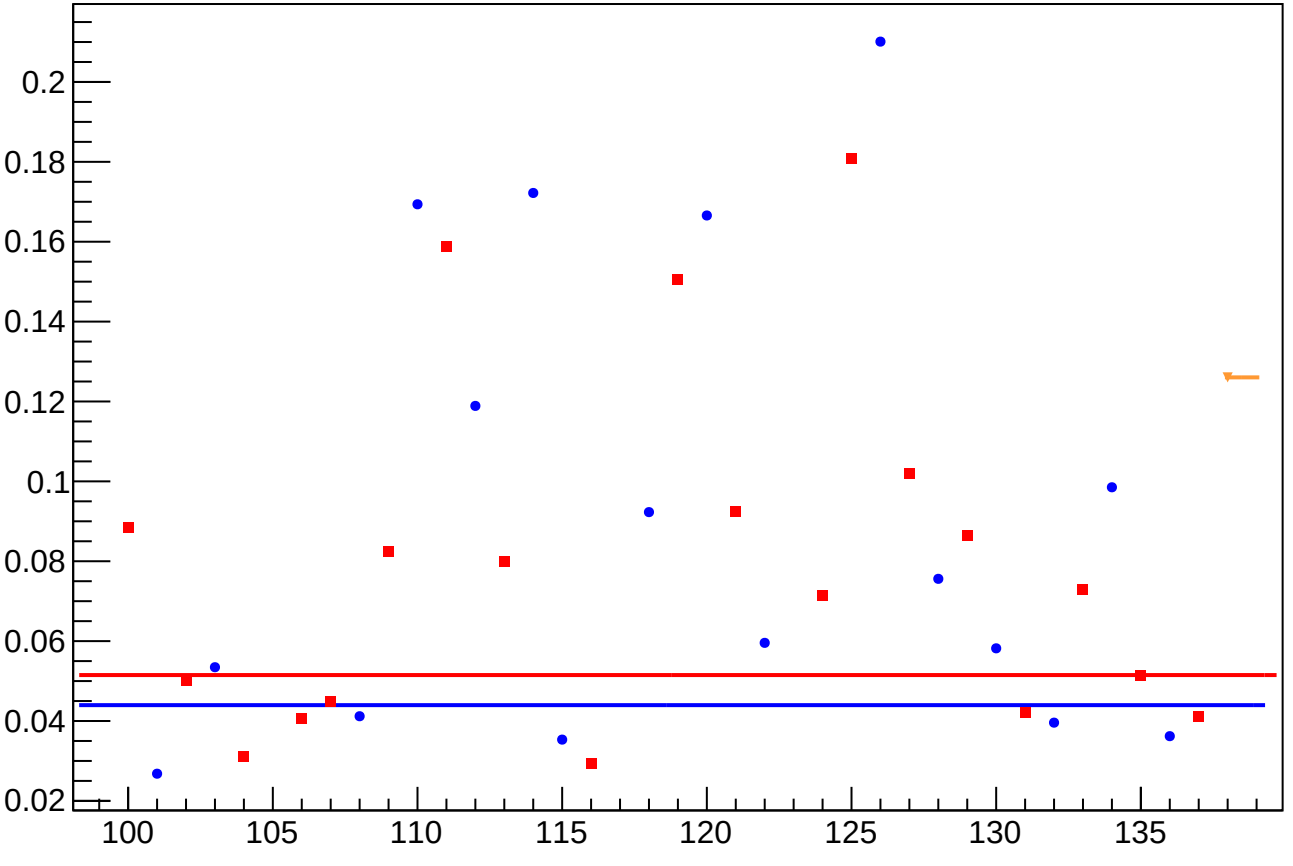
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.322+/-0.000 χ^2/NDF:1664983742.5/15

Out: 0.388+/-0.000 χ^2/NDF:1989721095.8/19

All: 0.352+/-0.000 χ^2/NDF: 3658644853.1/35

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.126+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.126+/-0.000 χ^2/NDF: 0.0/0

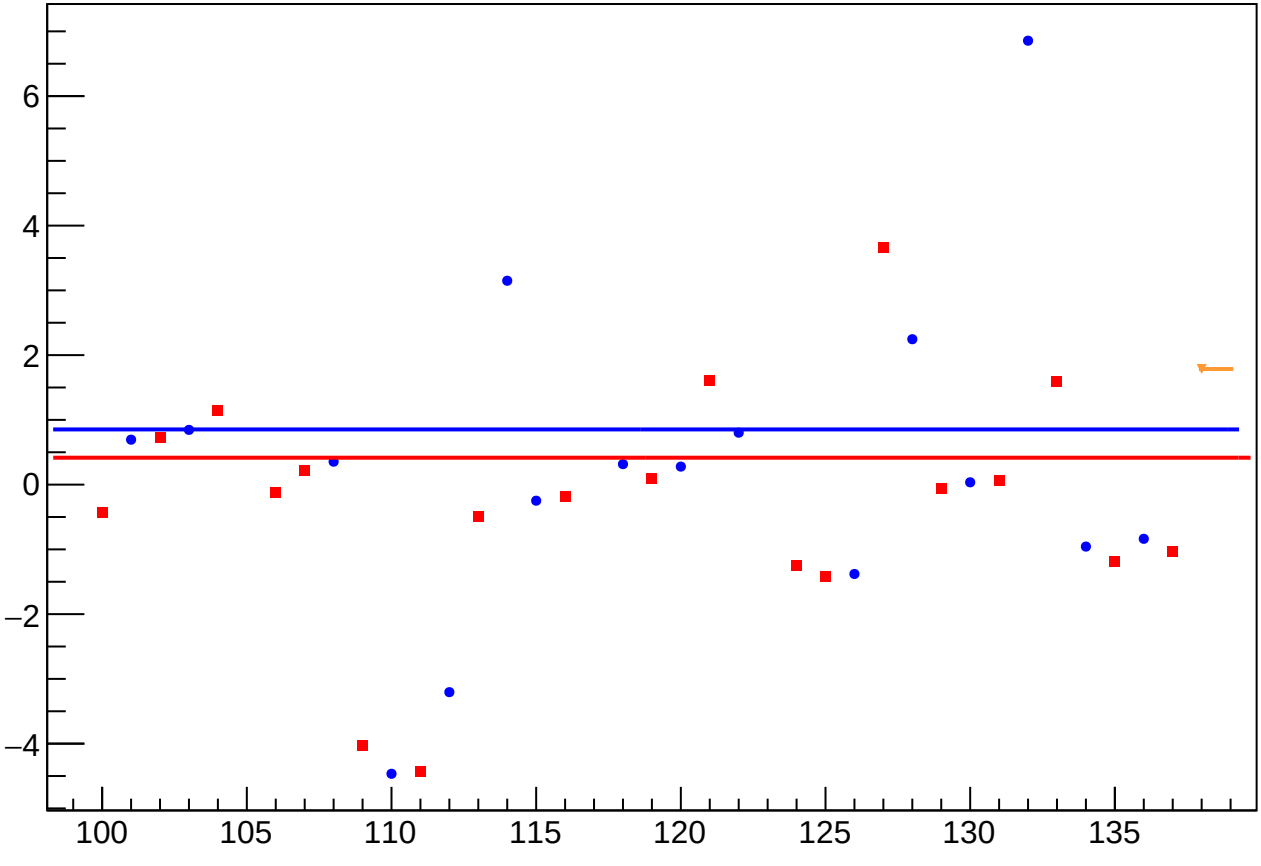
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.044+/-0.000 χ^2/NDF:2787474.8/15

Out: 0.053+/-0.000 χ^2/NDF:2813652.7/19

All: 0.048+/-0.000 χ^2/NDF: 5760566.8/35

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 1.785+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.785+/-0.000 χ^2/NDF: 0.0/0

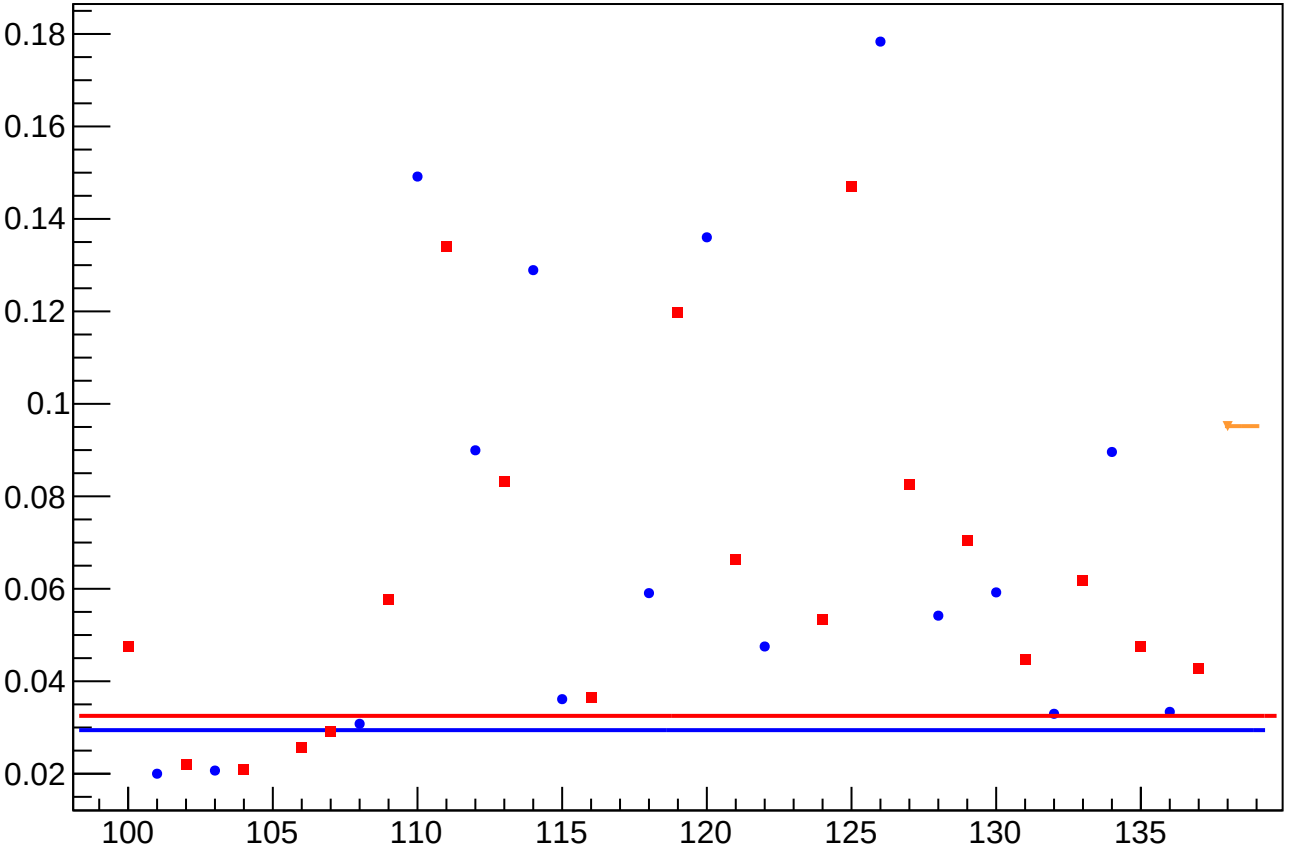
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.852+/-0.000 χ^2/NDF:11576037687.7/15

Out: 0.441+/-0.000 χ^2/NDF:5253769190.0/19

All: 0.654+/-0.000 χ^2/NDF: 17178596039.1/3

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.095+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.095+/-0.000 χ^2/NDF: 0.0/0

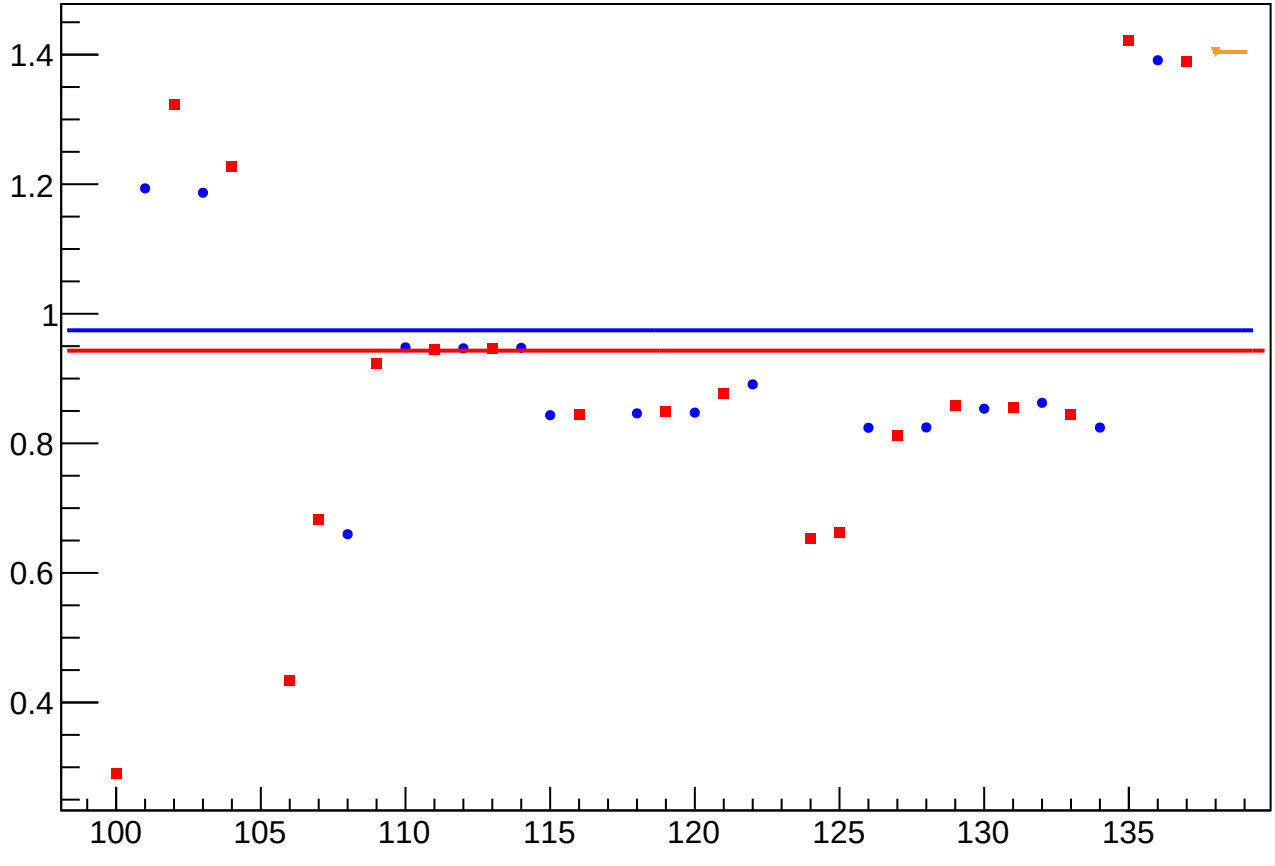
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.029+/-0.000 χ^2/NDF:3192424.8/15

Out: 0.034+/-0.000 χ^2/NDF:3867612.7/19

All: 0.031+/-0.000 χ^2/NDF: 7133123.6/35

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.404+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.404+/-0.000 χ^2/NDF: 0.0/0

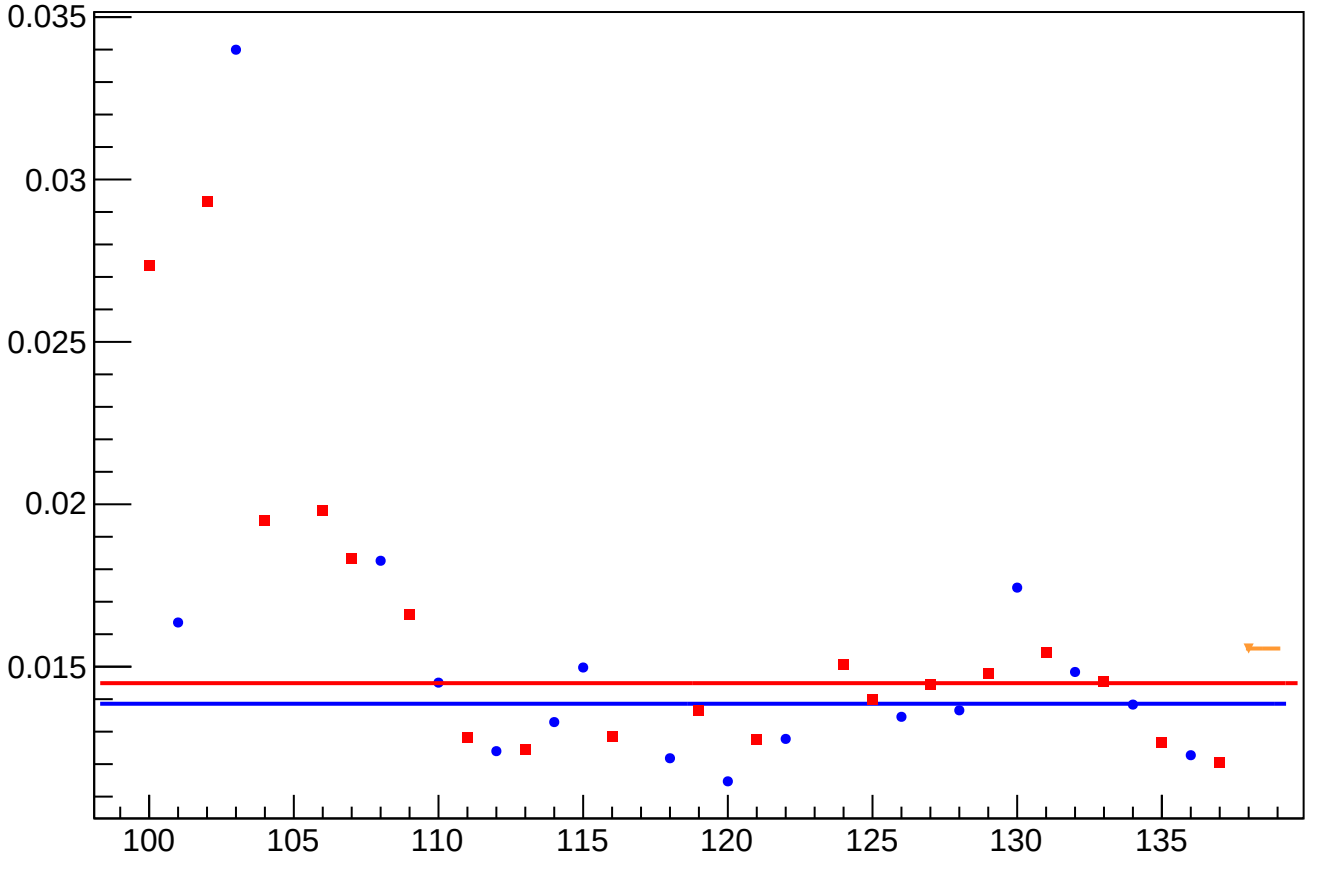
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 0.974+/-0.000 χ^2/NDF:1458735246.5/15

Out: 0.979+/-0.000 χ^2/NDF:2182035936.2/19

All: 0.977+/-0.000 χ^2/NDF: 3641178074.7/35

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.016+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.016+/-0.000 χ^2/NDF: 0.0/0

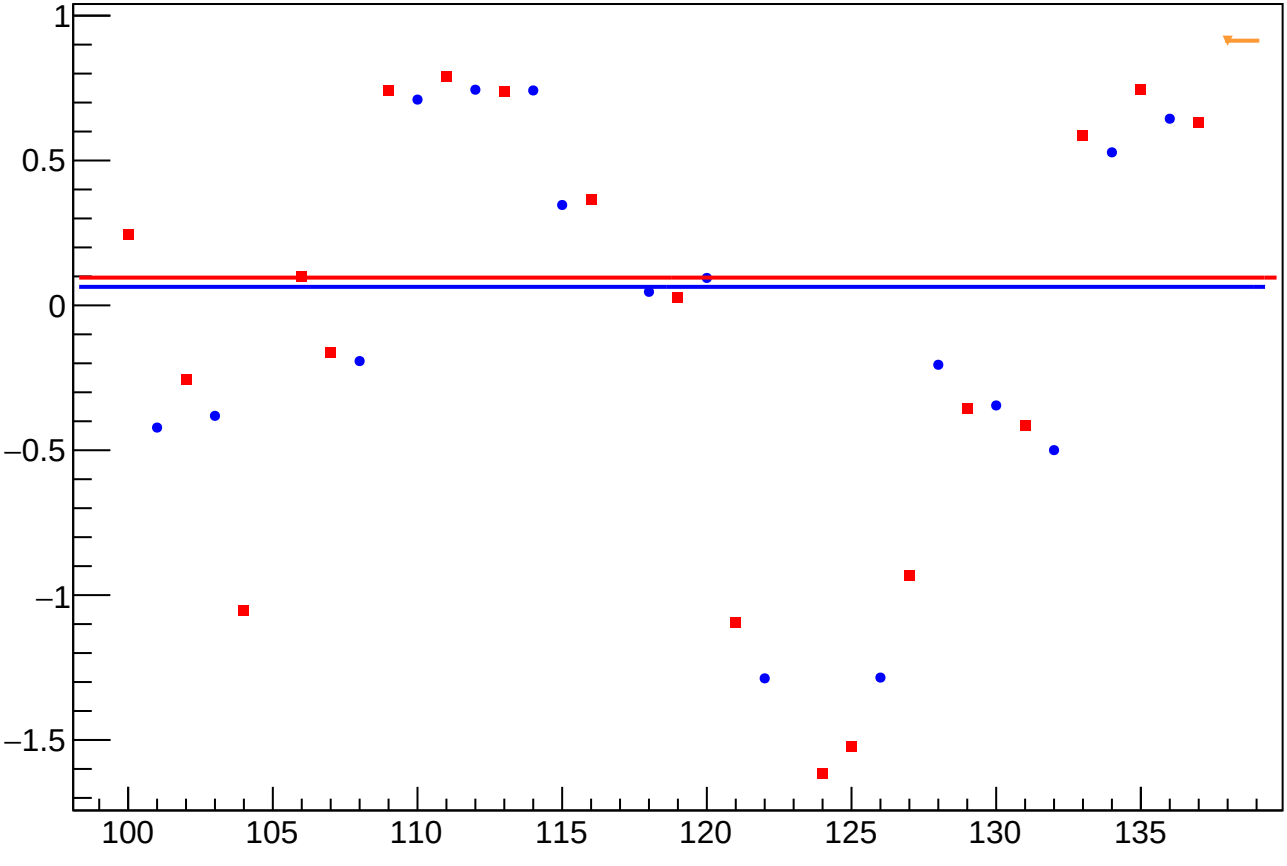
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:599979.5/15

Out: 0.015+/-0.000 χ^2/NDF:549812.2/19

All: 0.014+/-0.000 χ^2/NDF: 1166672.4/35

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.914+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.914+/-0.000 χ^2/NDF: 0.0/0

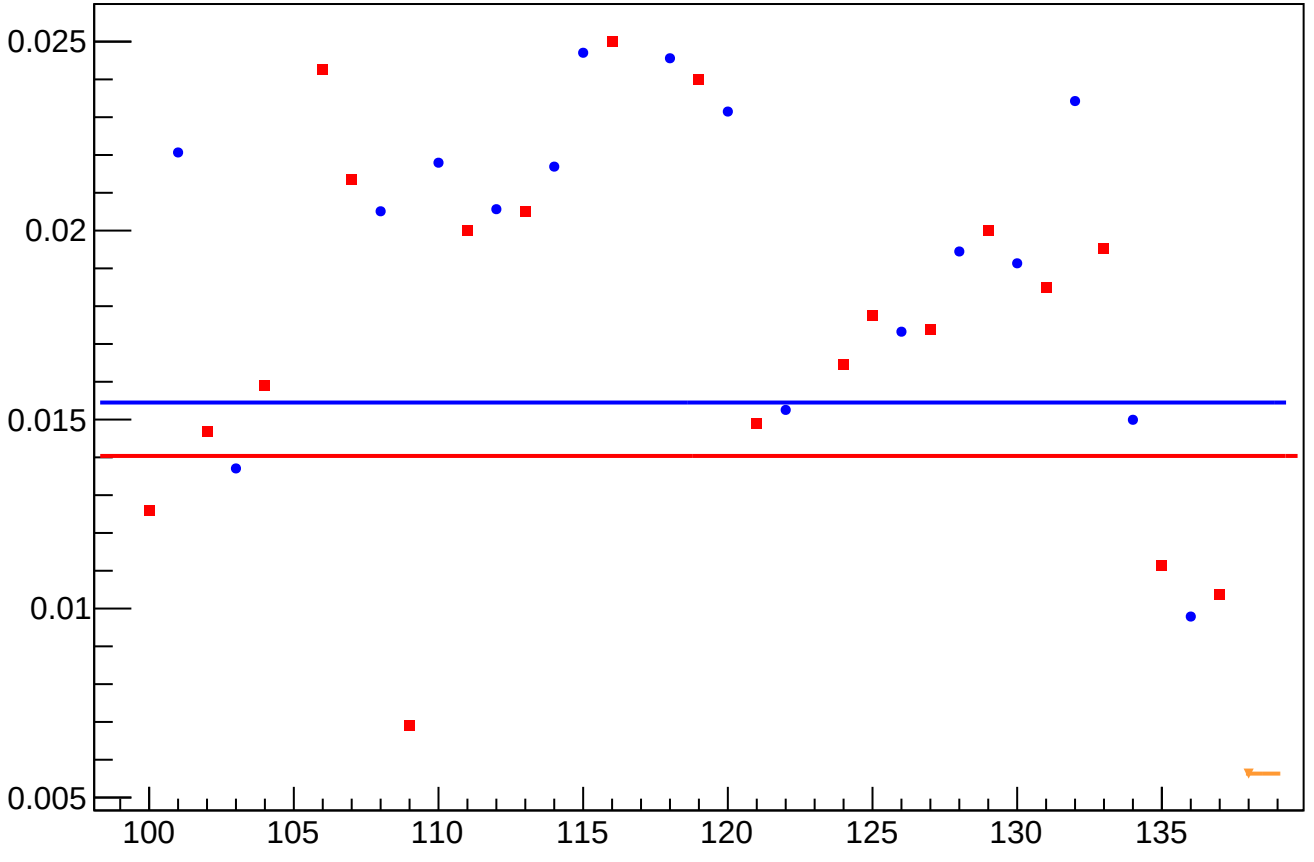
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.064+/-0.000 χ^2/NDF:11035911379.4/15

Out: 0.417+/-0.000 χ^2/NDF:25620054055.7/19

All: 0.297+/-0.000 χ^2/NDF: 38730805560.7/3

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

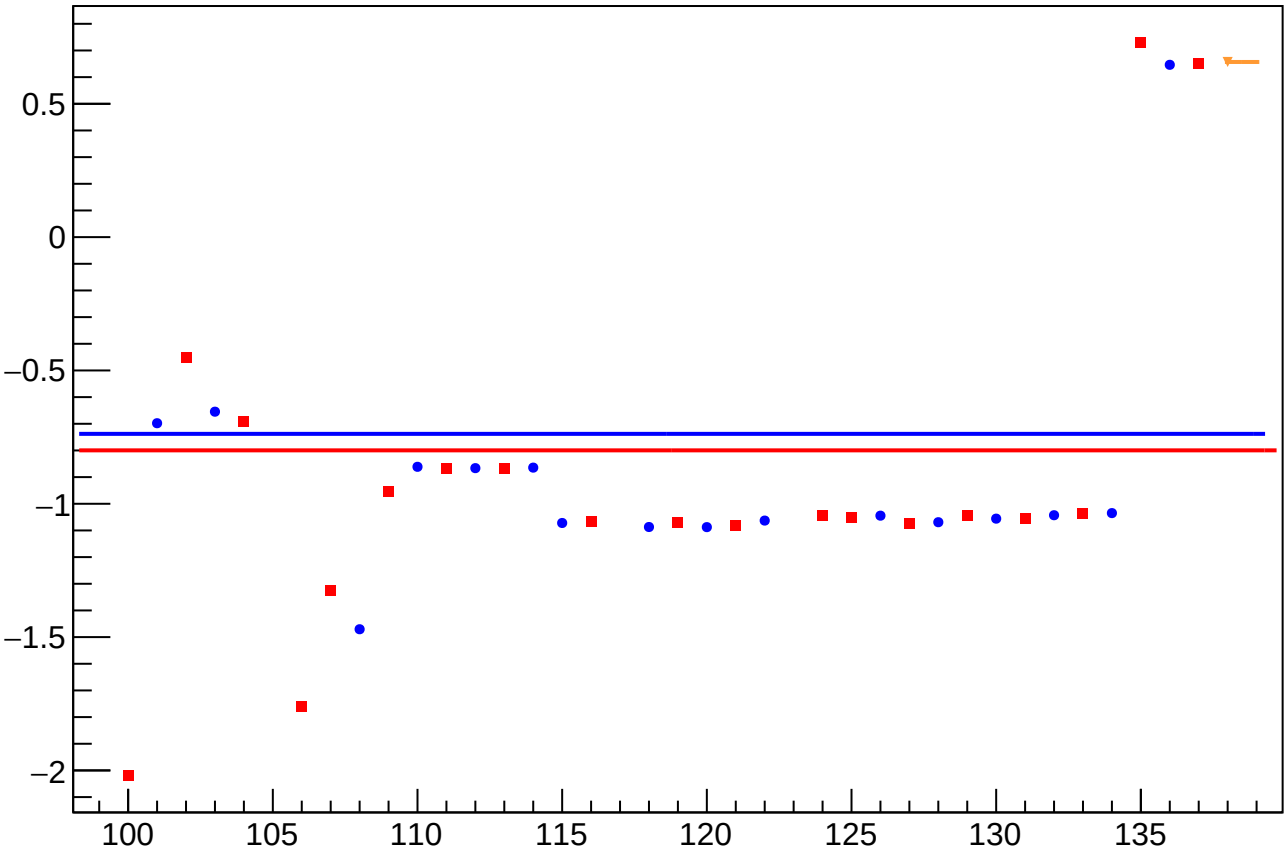
Left: 0.006+/-0.000 χ^2/NDF: 0.0/0

Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.015+/-0.000 χ^2/NDF:1293711.1/15

Out: 0.011+/-0.000 χ^2/NDF:3341870.1/19

All: 0.012+/-0.000 χ^2/NDF: 5375182.8/35



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.657+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.657+/-0.000 χ^2/NDF: 0.0/0

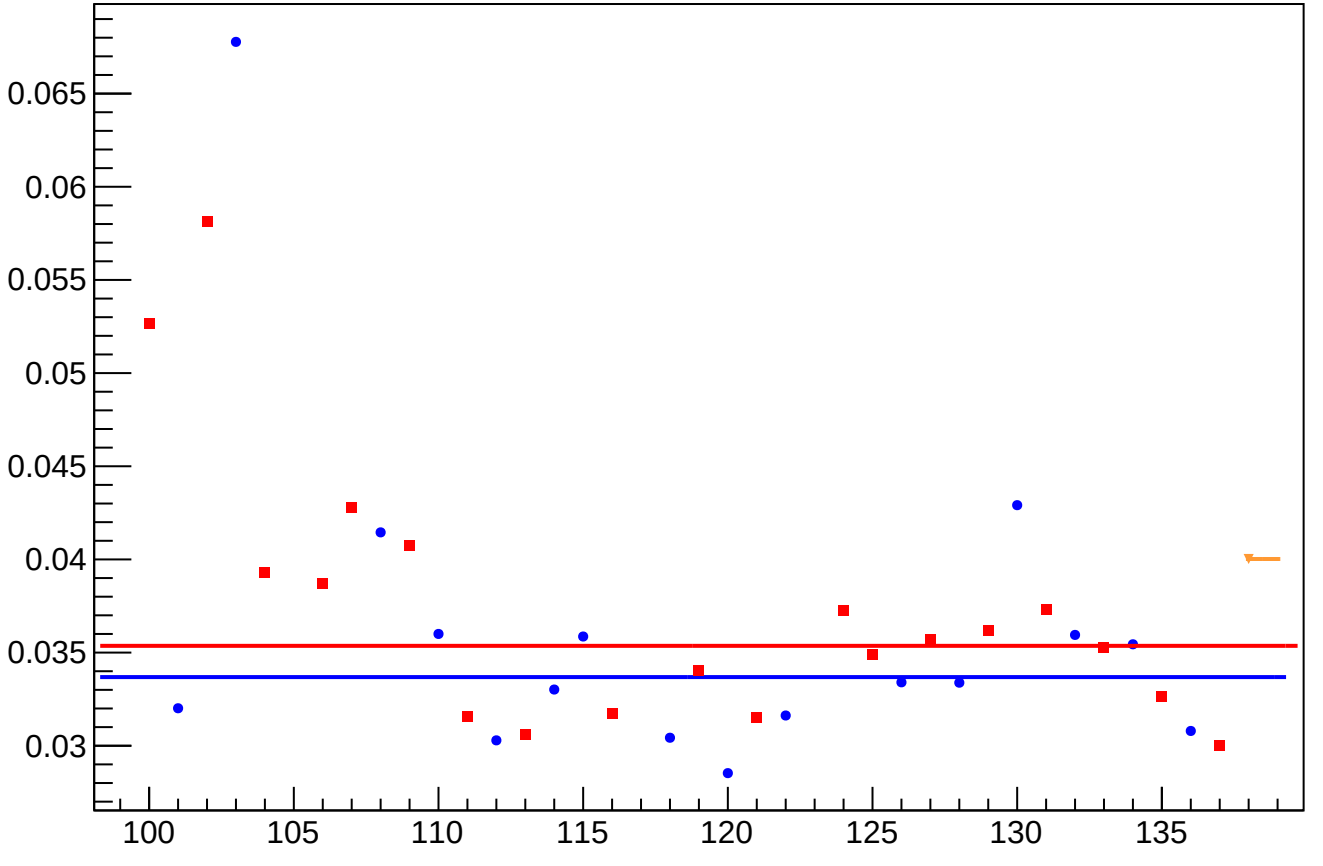
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.738+/-0.000 χ^2/NDF:2072845802.4/15

Out: -0.695+/-0.000 χ^2/NDF:2673063984.5/19

All: -0.716+/-0.000 χ^2/NDF: 4751029699.0/3

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.040+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.040+/-0.000 χ^2/NDF: 0.0/0

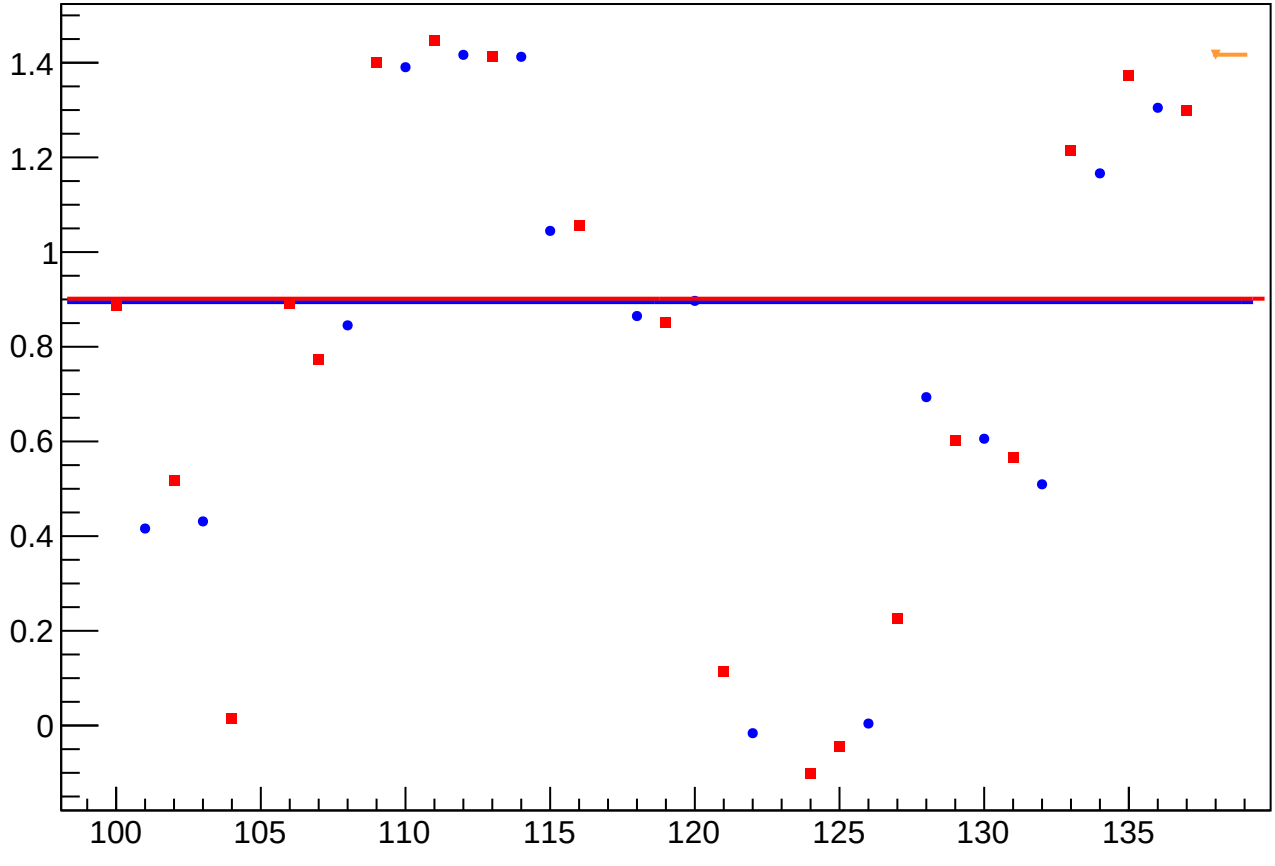
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.034+/-0.000 χ^2/NDF:420227.2/15

Out: 0.036+/-0.000 χ^2/NDF:312515.4/19

All: 0.035+/-0.000 χ^2/NDF: 755270.0/35

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.417+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

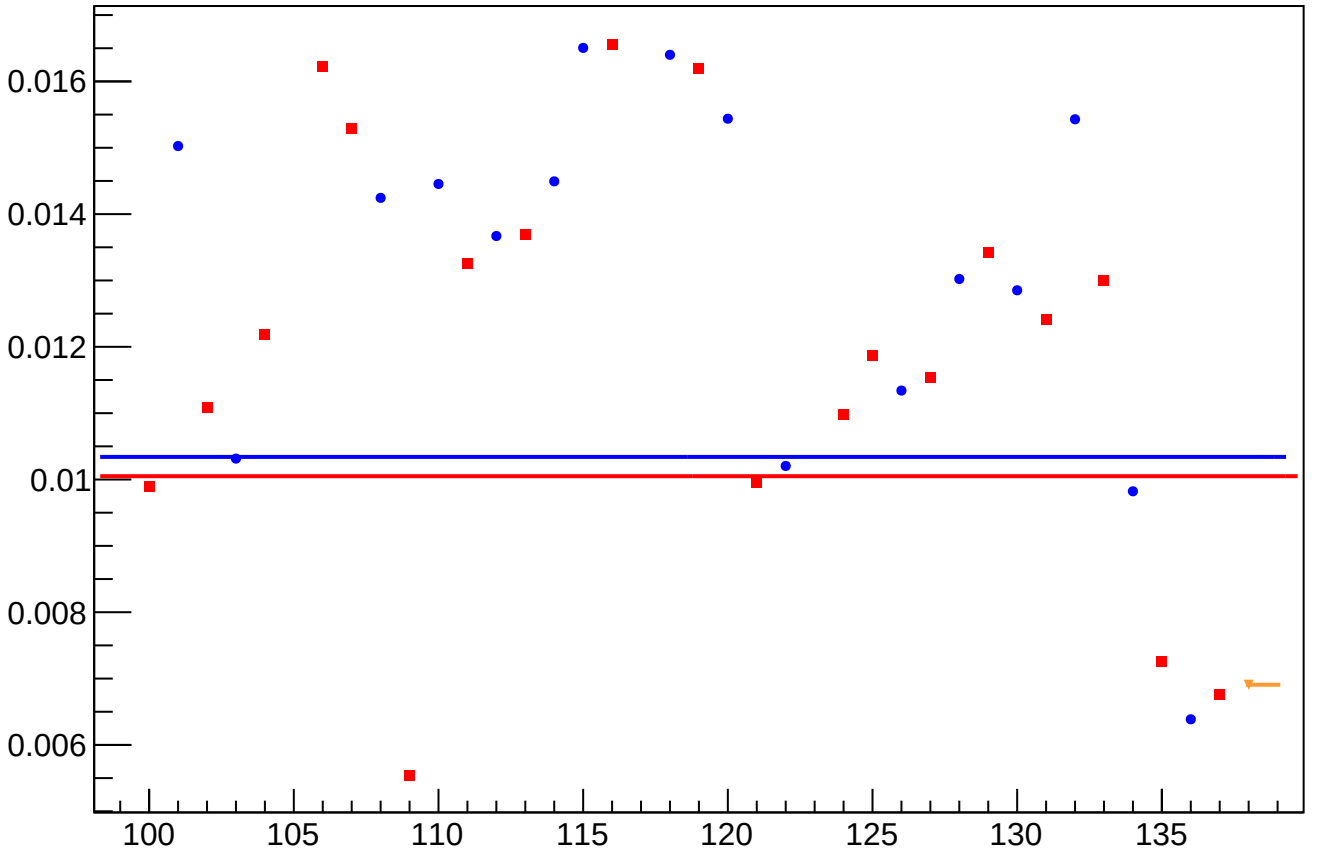
Left: 1.417+/-0.000 χ^2/NDF: 0.0/0

Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 0.894+/-0.000 χ^2/NDF:12749707787.6/15

Out: 1.004+/-0.000 χ^2/NDF:21090143465.0/19

All: 0.958+/-0.000 χ^2/NDF: 34228667864.0/3



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.007+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.007+/-0.000 χ^2/NDF: 0.0/0

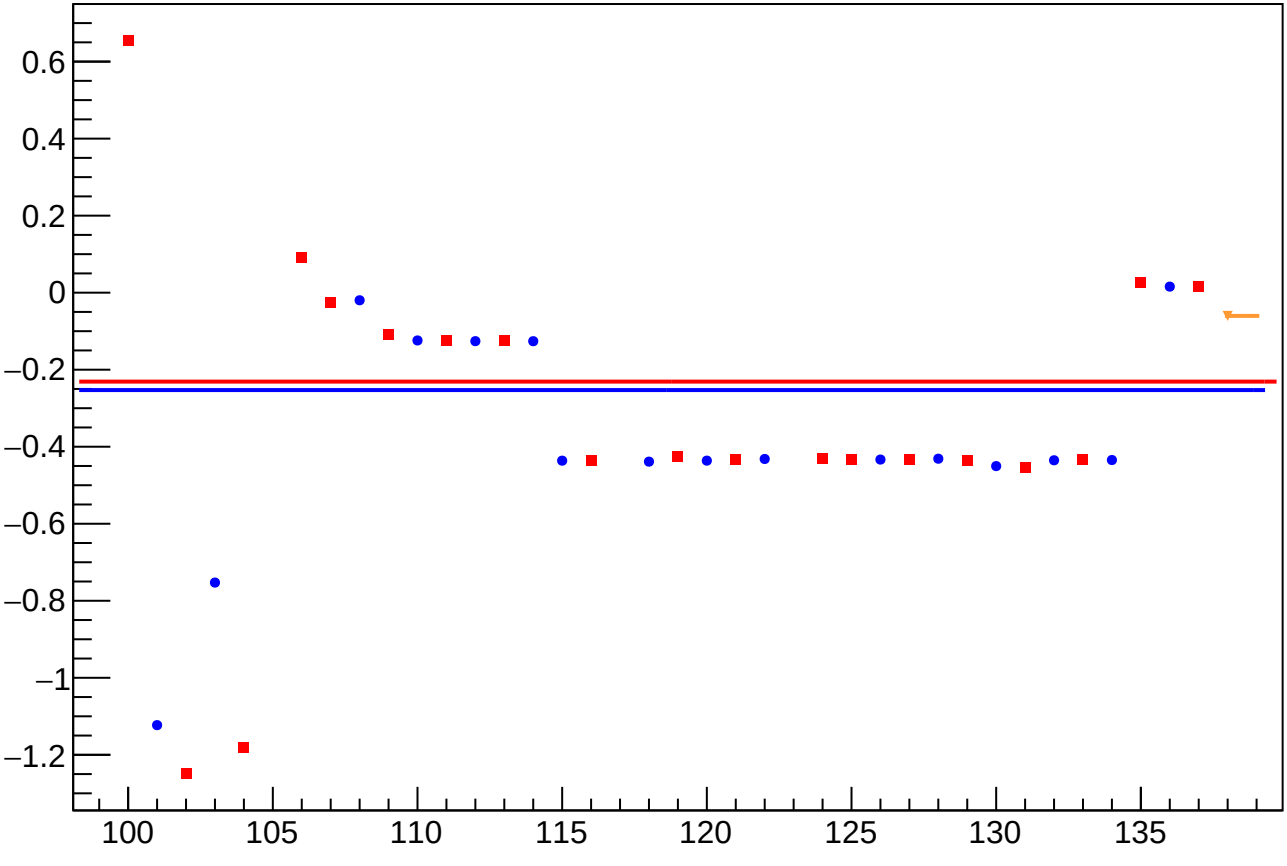
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.010+/-0.000 χ^2/NDF:1350446.6/15

Out: 0.009+/-0.000 χ^2/NDF:1574646.9/19

All: 0.010+/-0.000 χ^2/NDF: 2979127.9/35

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: -0.060+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.060+/-0.000 χ^2/NDF: 0.0/0

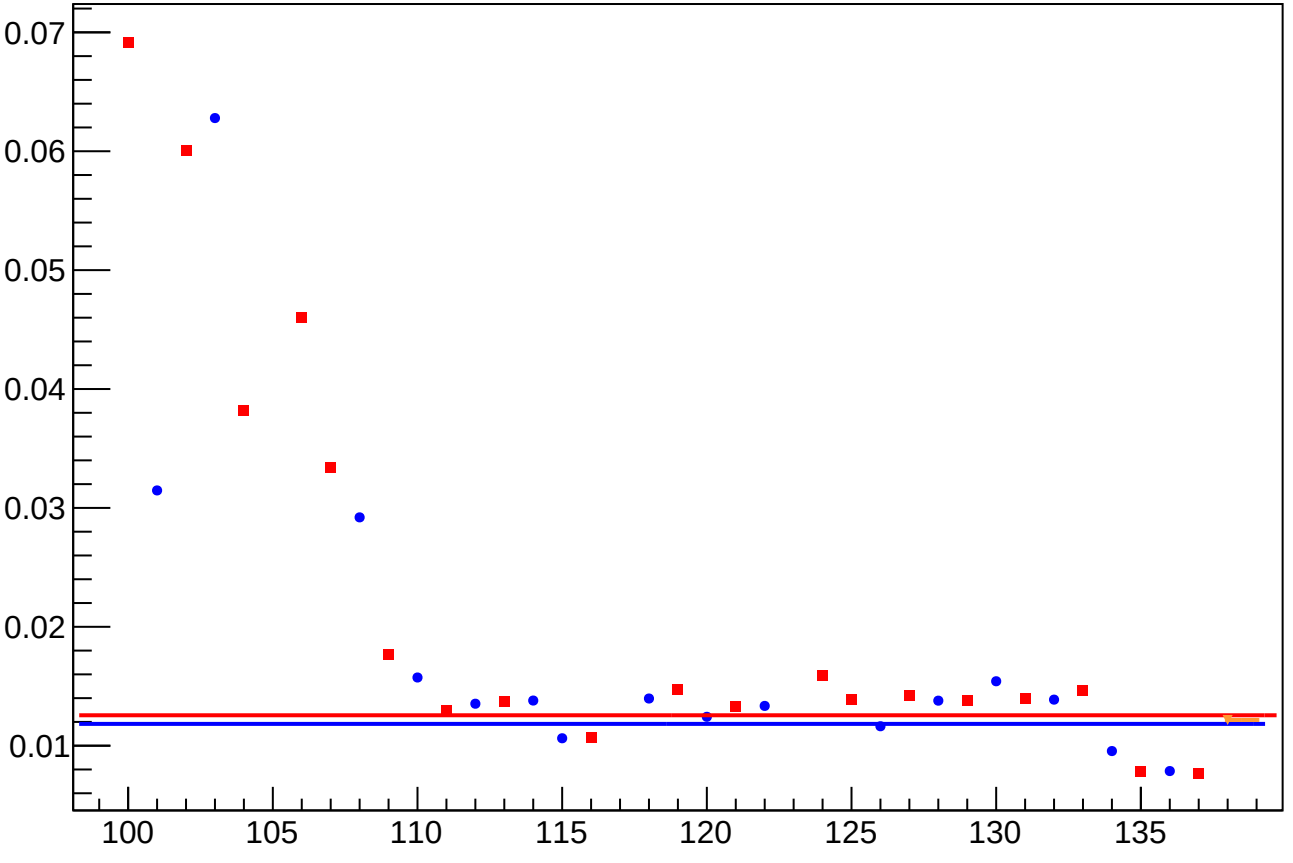
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.253+/-0.000 χ^2/NDF:2025242410.1/15

Out: -0.213+/-0.000 χ^2/NDF:1904243046.7/19

All: -0.233+/-0.000 χ^2/NDF: 3957326663.4/3

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.012+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.012+/-0.000 χ^2/NDF: 0.0/0

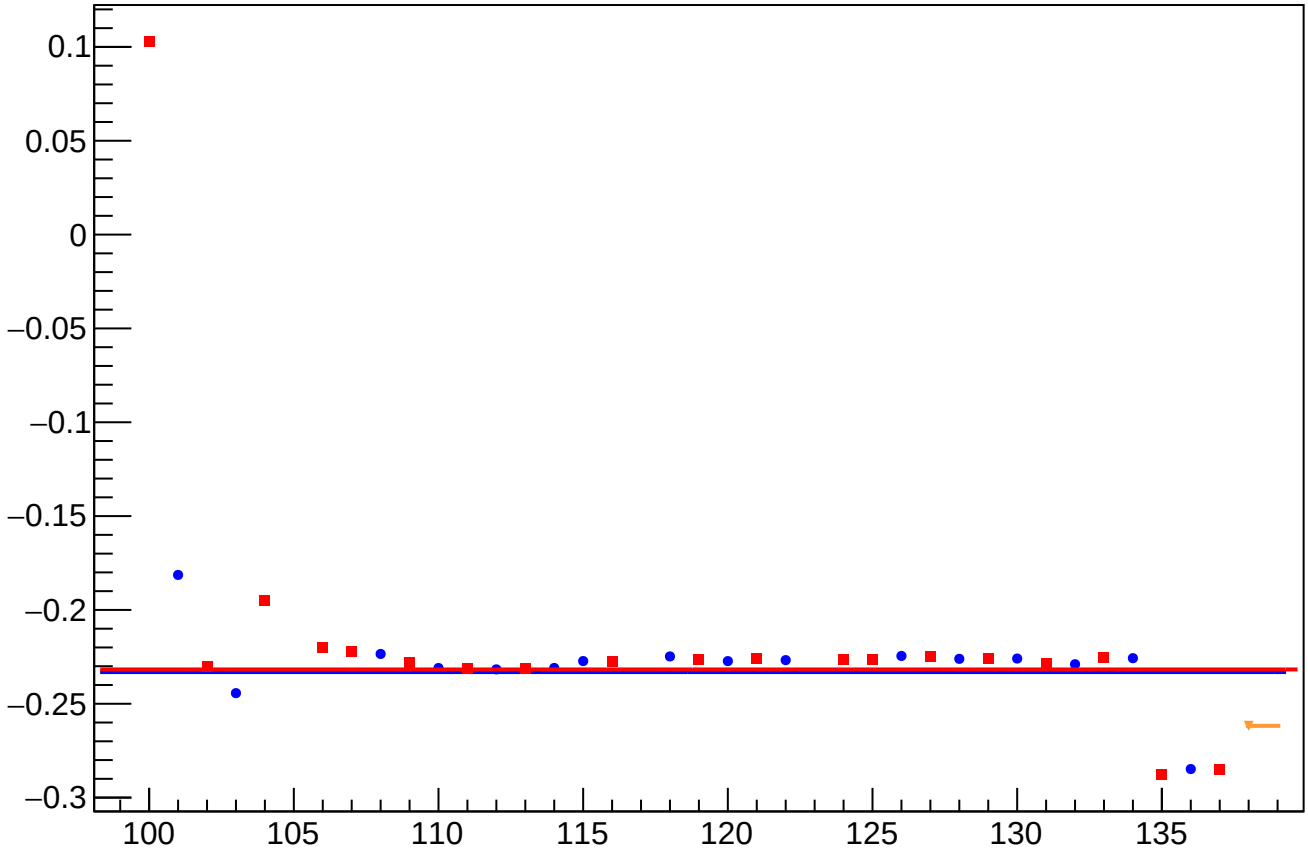
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.012+/-0.000 χ^2/NDF:1942550.6/15

Out: 0.013+/-0.000 χ^2/NDF:2218455.8/19

All: 0.012+/-0.000 χ^2/NDF: 4177626.7/35

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.262+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.262+/-0.000 χ^2/NDF: 0.0/0

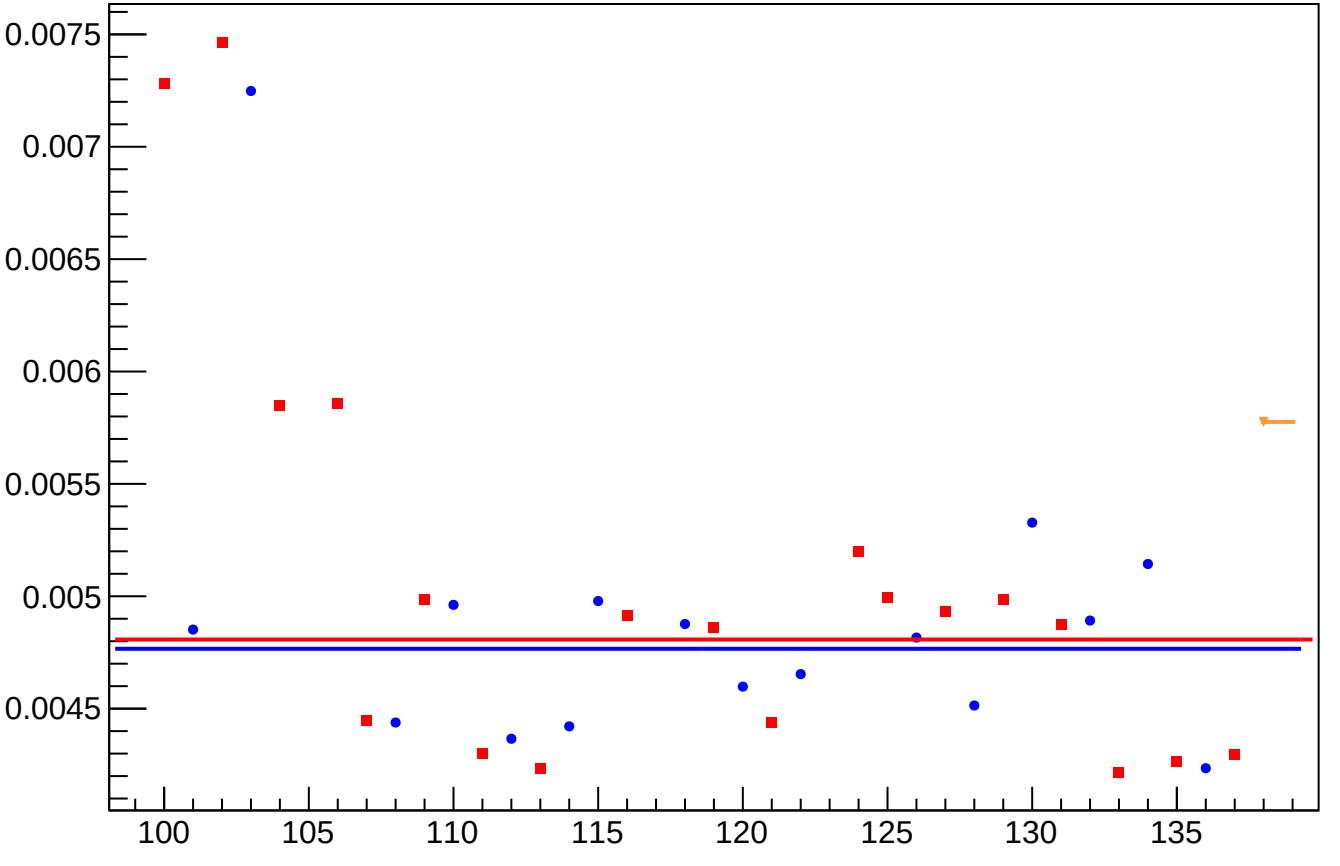
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.233+/-0.000 χ^2/NDF:199059878.3/15

Out: -0.234+/-0.000 χ^2/NDF:305325325.1/19

All: -0.233+/-0.000 χ^2/NDF: 504455088.2/35

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

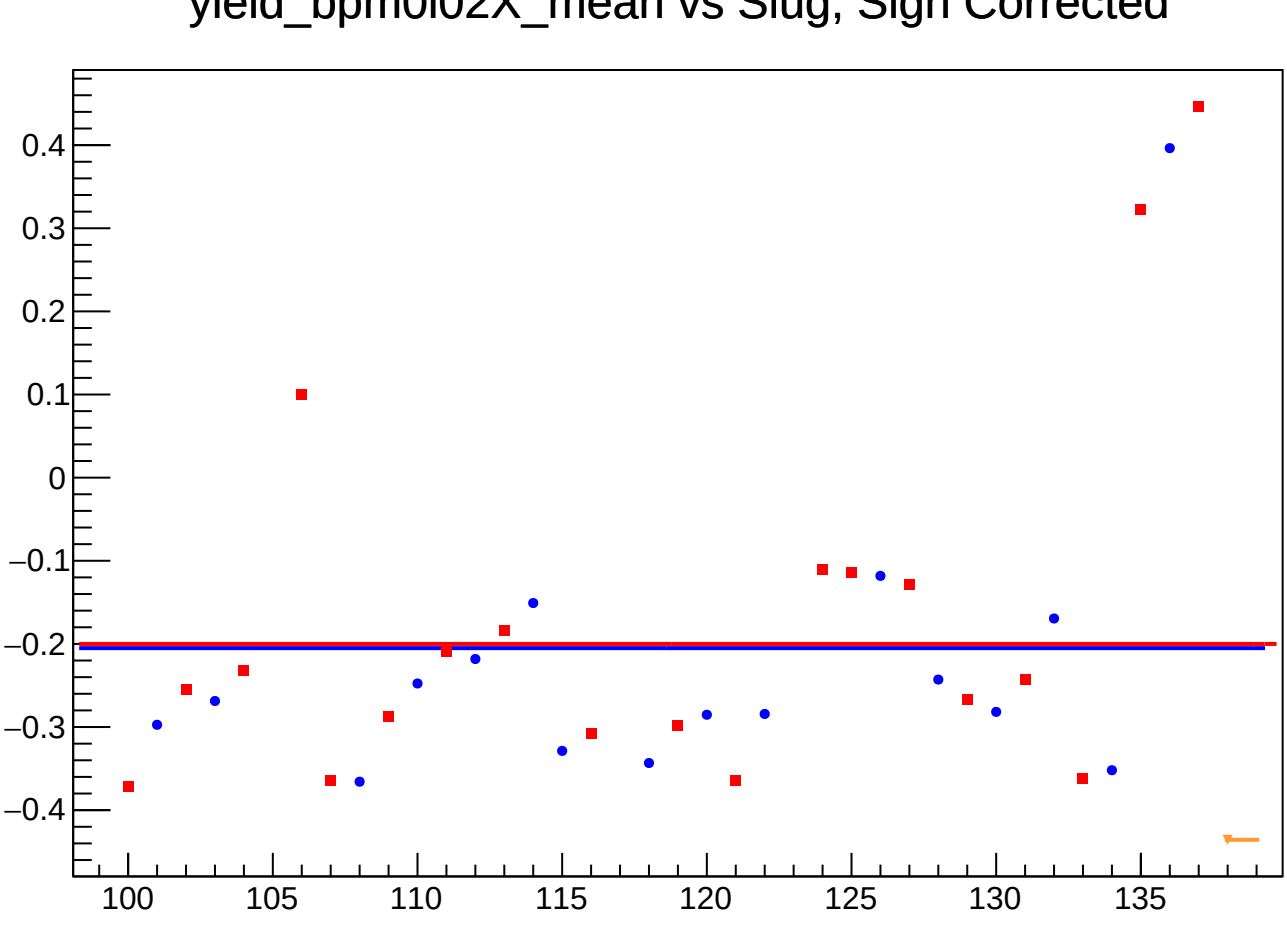
Left: 0.006+/-0.000 χ^2/NDF: 0.0/0

Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

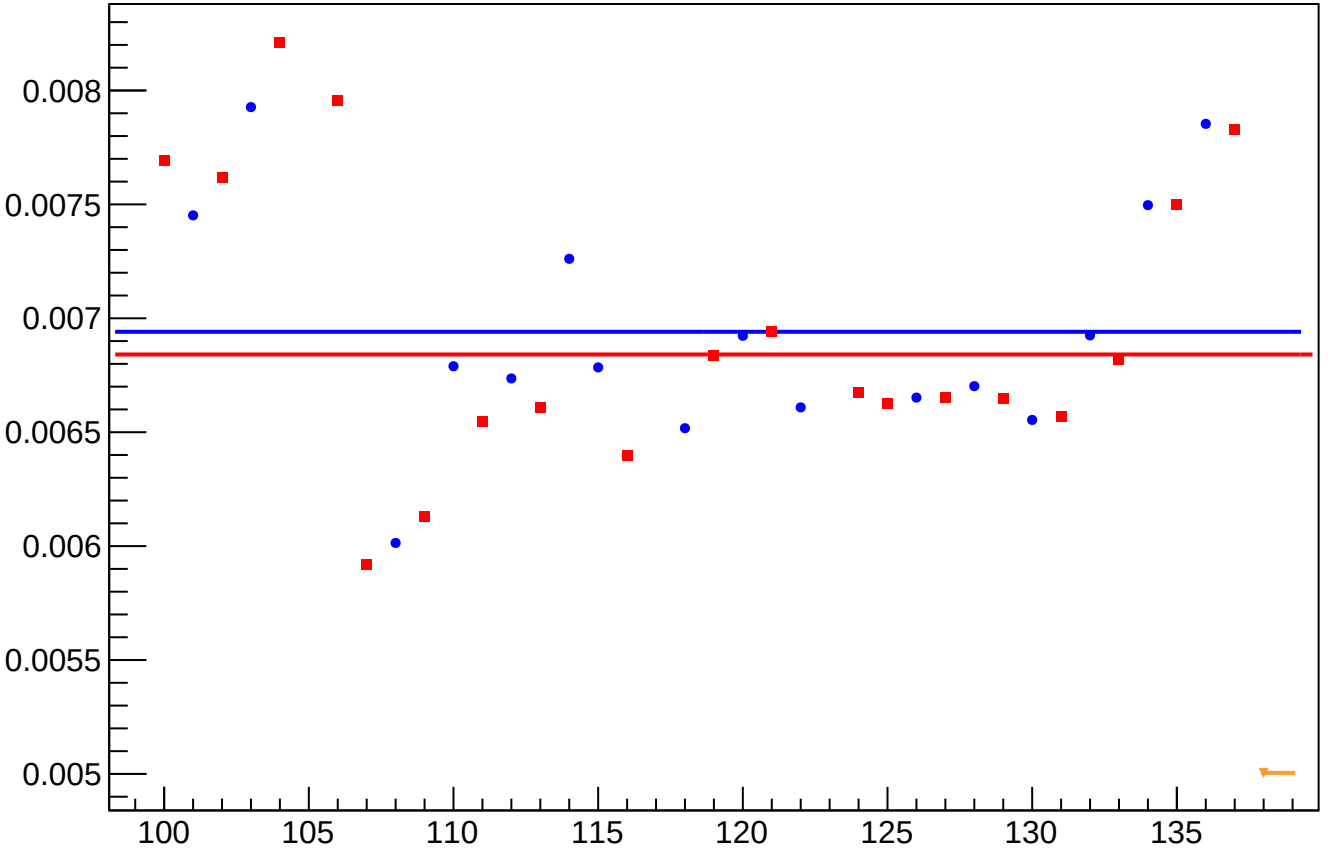
In: 0.005+/-0.000 χ^2/NDF:191759.7/15

Out: 0.005+/-0.000 χ^2/NDF:331287.2/19

All: 0.005+/-0.000 χ^2/NDF: 526516.1/35


yield_bpm0i02X_mean vs Slug, Sign Corrected
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
105
110
115
120
125
130
135
Right In: -0.205+/-0.000 χ²/NDF: 6189271855.3/15
Left Out: -0.436+/-0.000 χ²/NDF:0.0/0
Right Out: -0.200+/-0.000 χ²/NDF: 5249978819.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.436+/-0.000 χ²/NDF: 0.0/0
Right: -0.203+/-0.000 χ²/NDF: 11441176033.3/34
In: -0.205+/-0.000 χ²/NDF:6189271855.3/15
Out: -0.238+/-0.000 χ²/NDF:6640698143.9/19
All: -0.224+/-0.000 χ²/NDF: 12919859647.8/

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:0.0/0

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.005+/-0.000 χ^2/NDF: 0.0/0

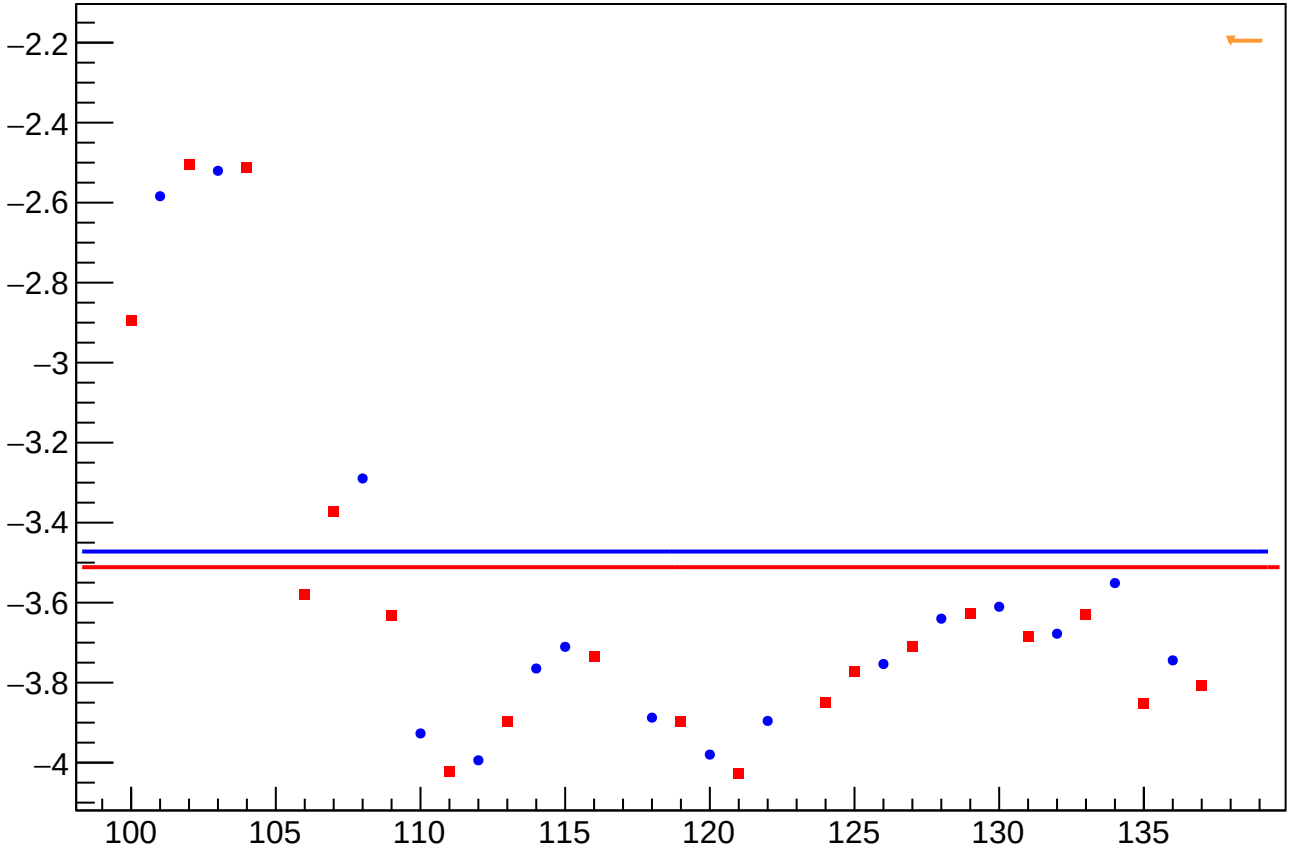
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.007+/-0.000 χ^2/NDF:85159.0/15

Out: 0.007+/-0.000 χ^2/NDF:268826.9/19

All: 0.007+/-0.000 χ^2/NDF: 379798.7/35

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.195+/-0.000 χ^2/NDF:0.0/0

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

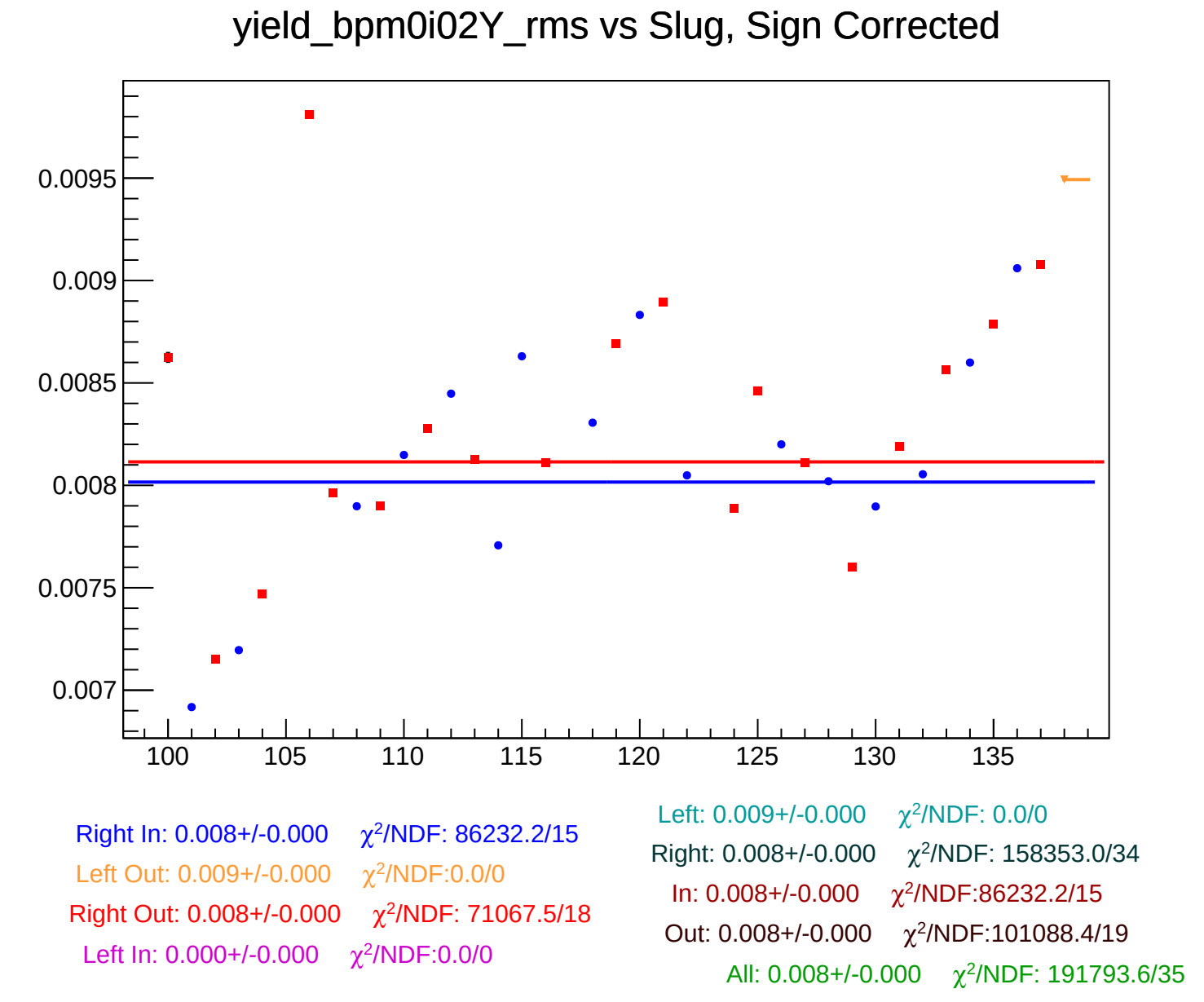
Left: -2.195+/-0.000 χ^2/NDF: 0.0/0

Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

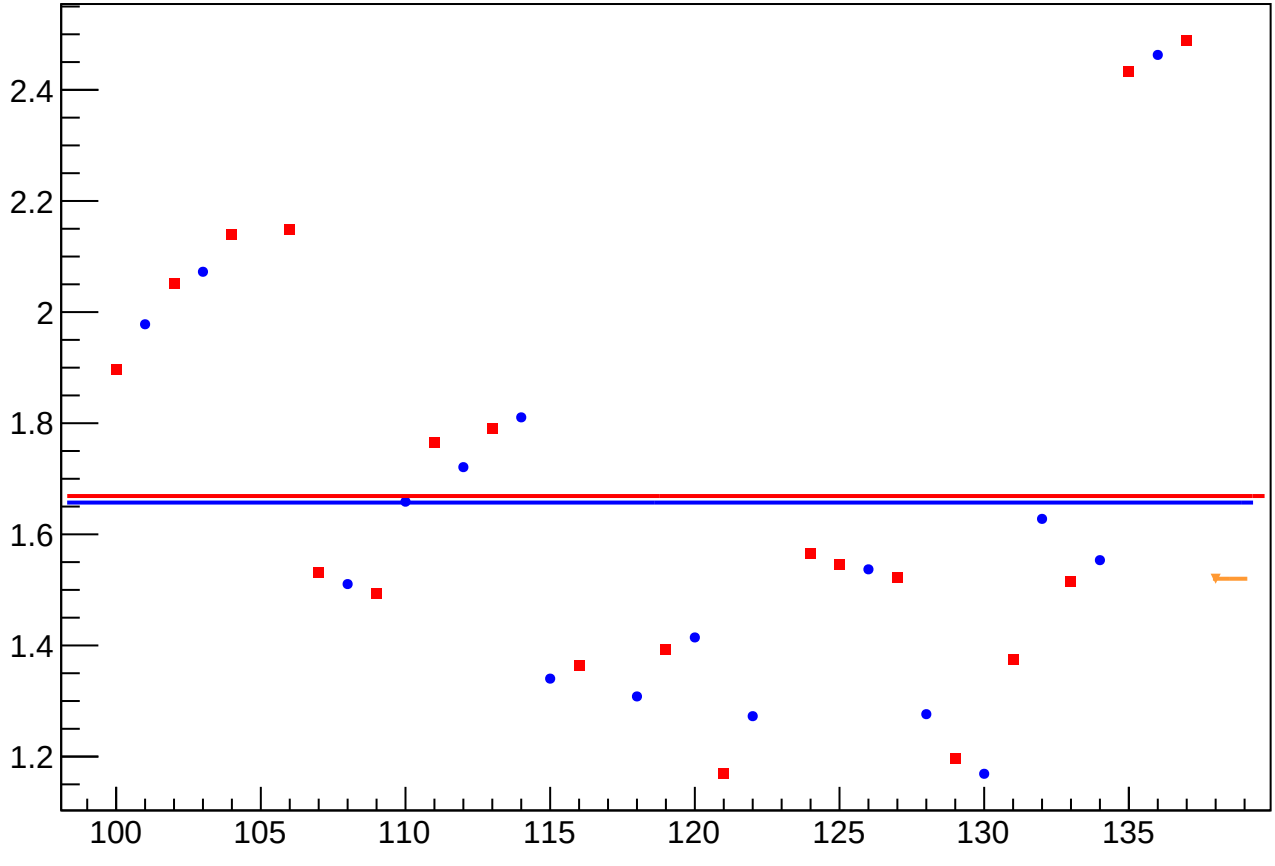
In: -3.472+/-0.000 χ^2/NDF:29592353445.4/15

Out: -3.415+/-0.000 χ^2/NDF:43409764229.8/19

All: -3.443+/-0.000 χ^2/NDF: 73185541854.6/


yield_bpm0i02Y_rms vs Slug, Sign Corrected
0.0095
0.009
0.0085
0.008
0.0075
0.007
100
105
110
115
120
125
130
135
Right In: 0.008+/-0.000 χ²/NDF: 86232.2/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/0
Right Out: 0.008+/-0.000 χ²/NDF: 71067.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.009+/-0.000 χ²/NDF: 0.0/0
Right: 0.008+/-0.000 χ²/NDF: 158353.0/34
In: 0.008+/-0.000 χ²/NDF:86232.2/15
Out: 0.008+/-0.000 χ²/NDF:101088.4/19
All: 0.008+/-0.000 χ²/NDF: 191793.6/35

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.520+/-0.000 χ^2/NDF:0.0/0

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.520+/-0.000 χ^2/NDF: 0.0/0

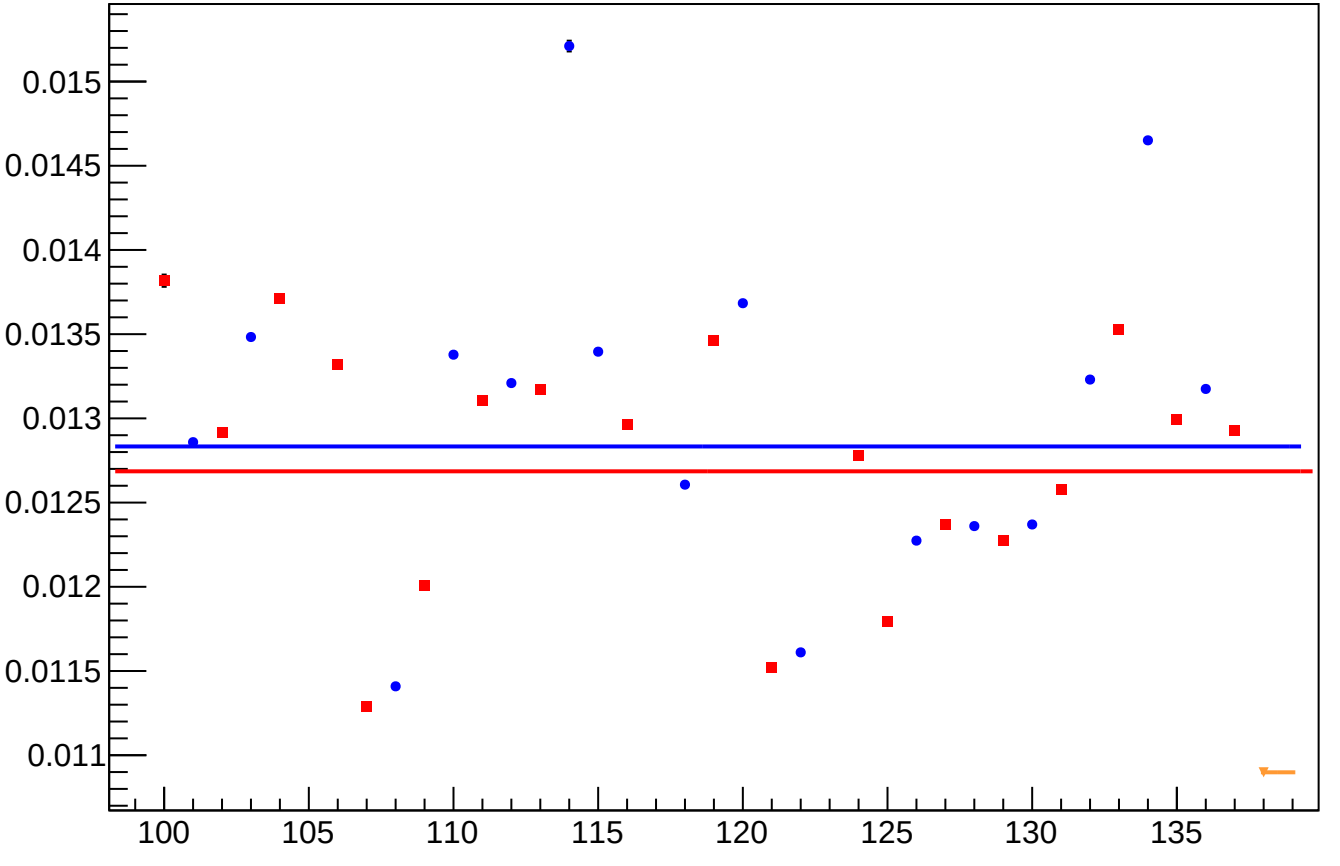
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.657+/-0.000 χ^2/NDF:6666154117.3/15

Out: 1.650+/-0.000 χ^2/NDF:6480991731.4/19

All: 1.654+/-0.000 χ^2/NDF: 13148200848.5/3

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:0.0/0

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

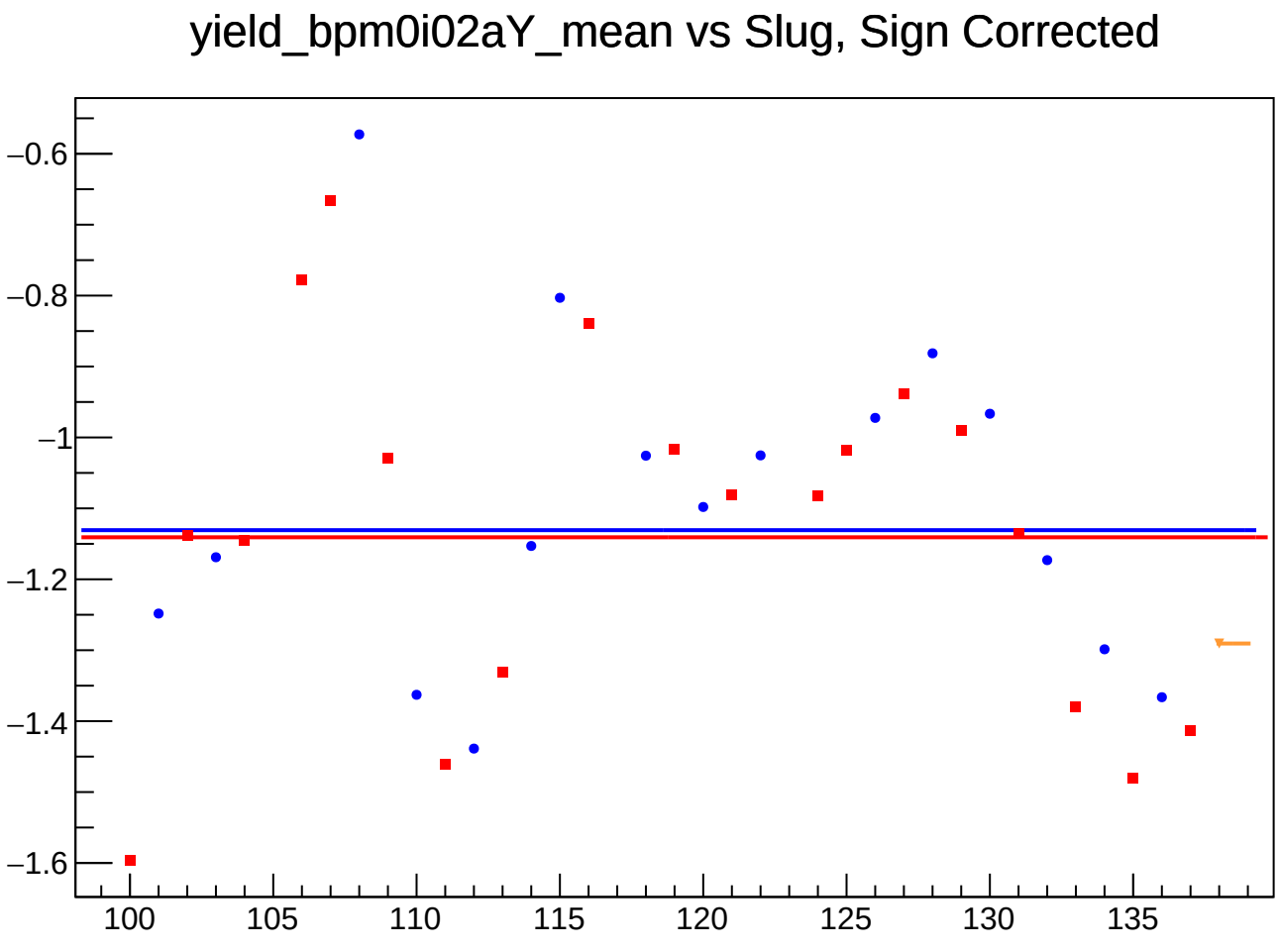
Left: 0.011+/-0.000 χ^2/NDF: 0.0/0

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.013+/-0.000 χ^2/NDF:52516.5/15

Out: 0.012+/-0.000 χ^2/NDF:78858.3/19

All: 0.013+/-0.000 χ^2/NDF: 137729.3/35



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.291+/-0.000 χ^2/NDF:0.0/0

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1.291+/-0.000 χ^2/NDF: 0.0/0

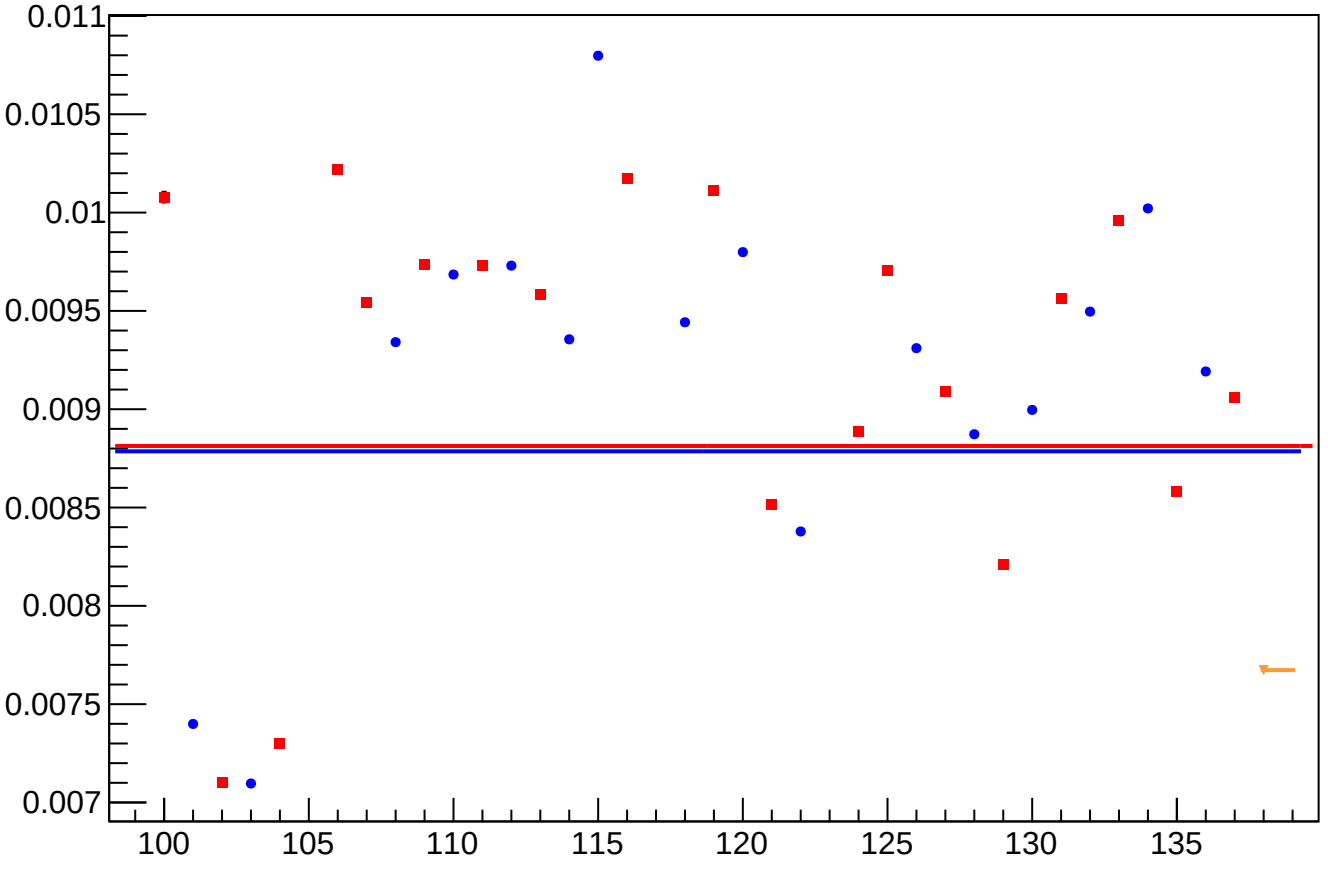
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.131+/-0.000 χ^2/NDF:3790121991.7/15

Out: -1.159+/-0.000 χ^2/NDF:3793429682.0/19

All: -1.146+/-0.000 χ^2/NDF: 7622603712.2/3

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:0.0/0

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.008+/-0.000 χ^2/NDF: 0.0/0

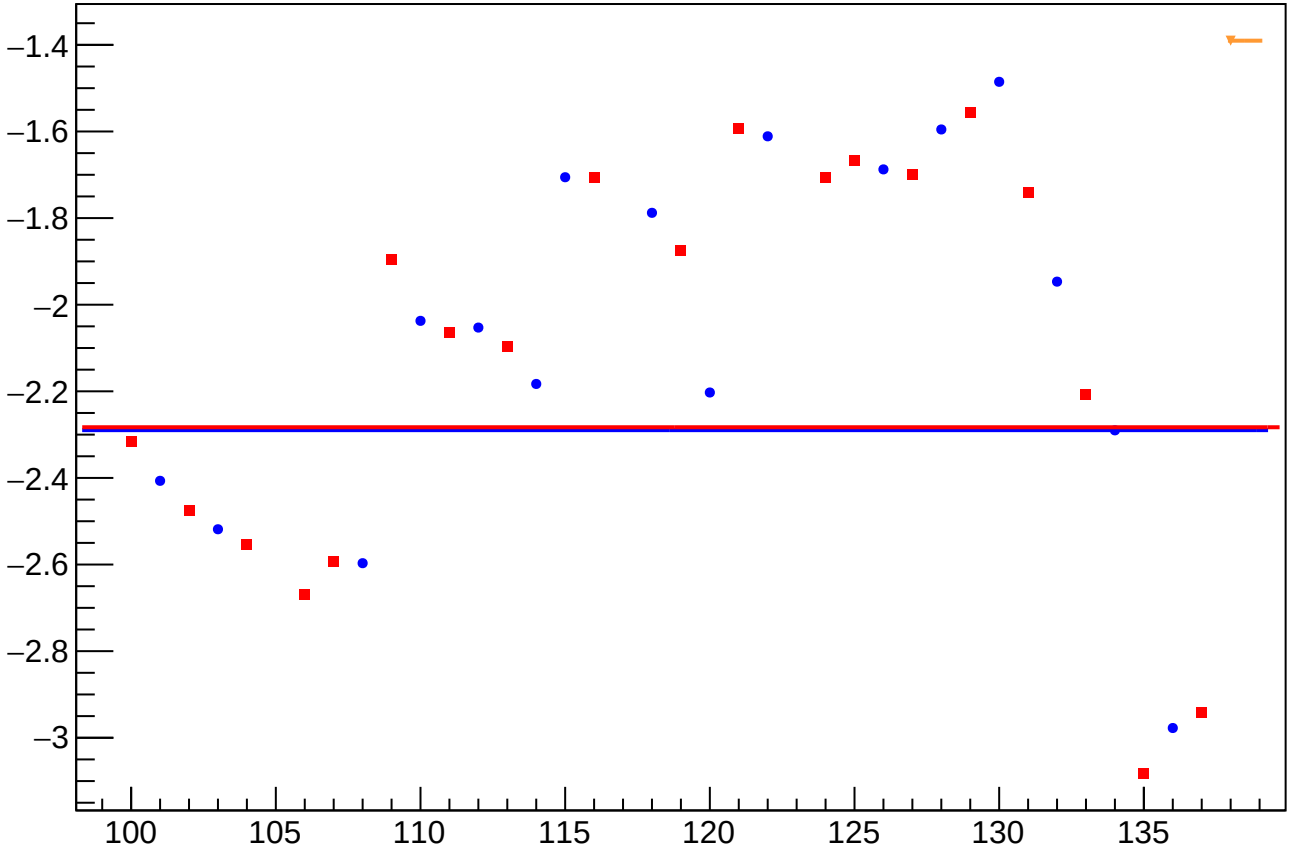
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:173477.6/15

Out: 0.009+/-0.000 χ^2/NDF:233335.9/19

All: 0.009+/-0.000 χ^2/NDF: 408060.0/35

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.390+/-0.000 χ^2/NDF:0.0/0

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1.390+/-0.000 χ^2/NDF: 0.0/0

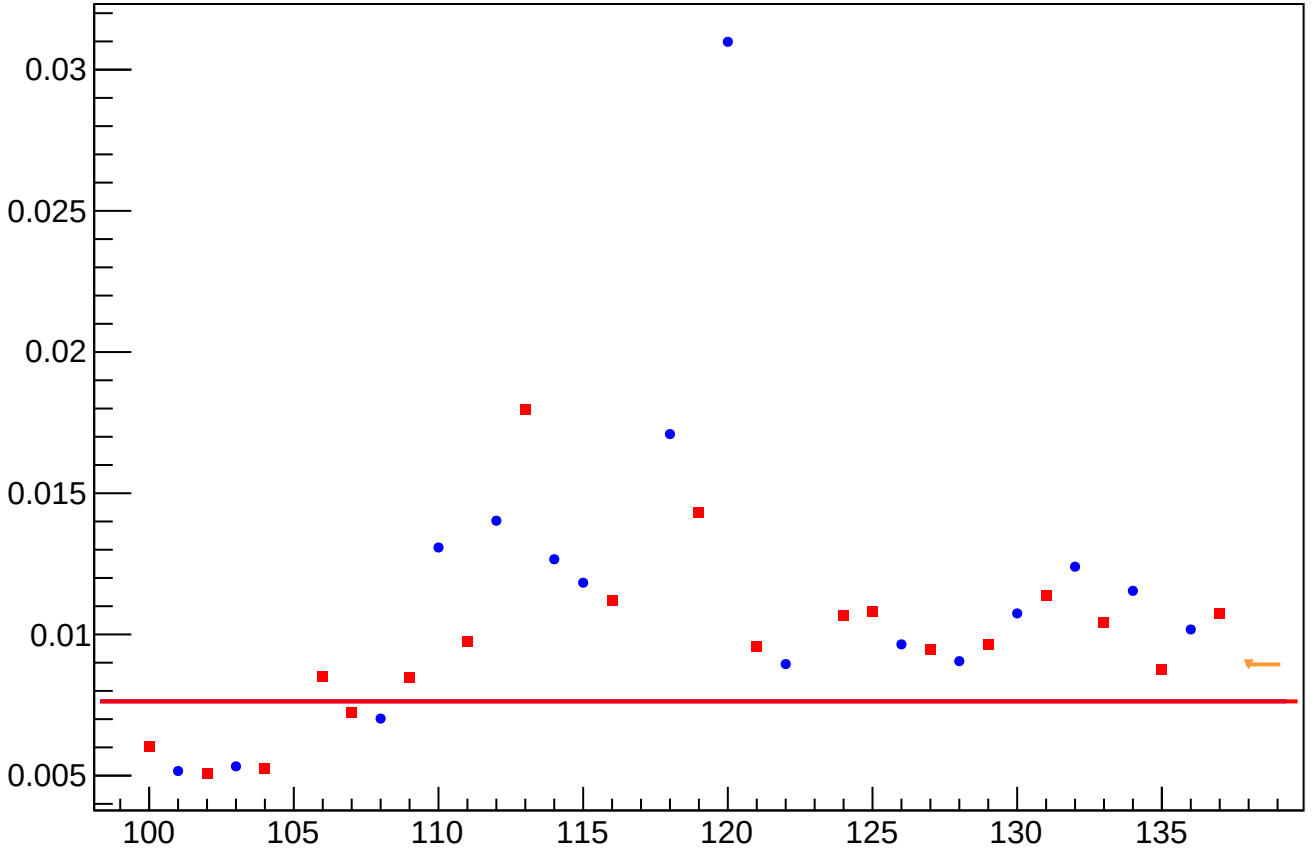
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -2.290+/-0.000 χ^2/NDF:15222817978.4/15

Out: -2.215+/-0.000 χ^2/NDF:22810633864.0/19

All: -2.249+/-0.000 χ^2/NDF: 38296741872.6/

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:0.0/0

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

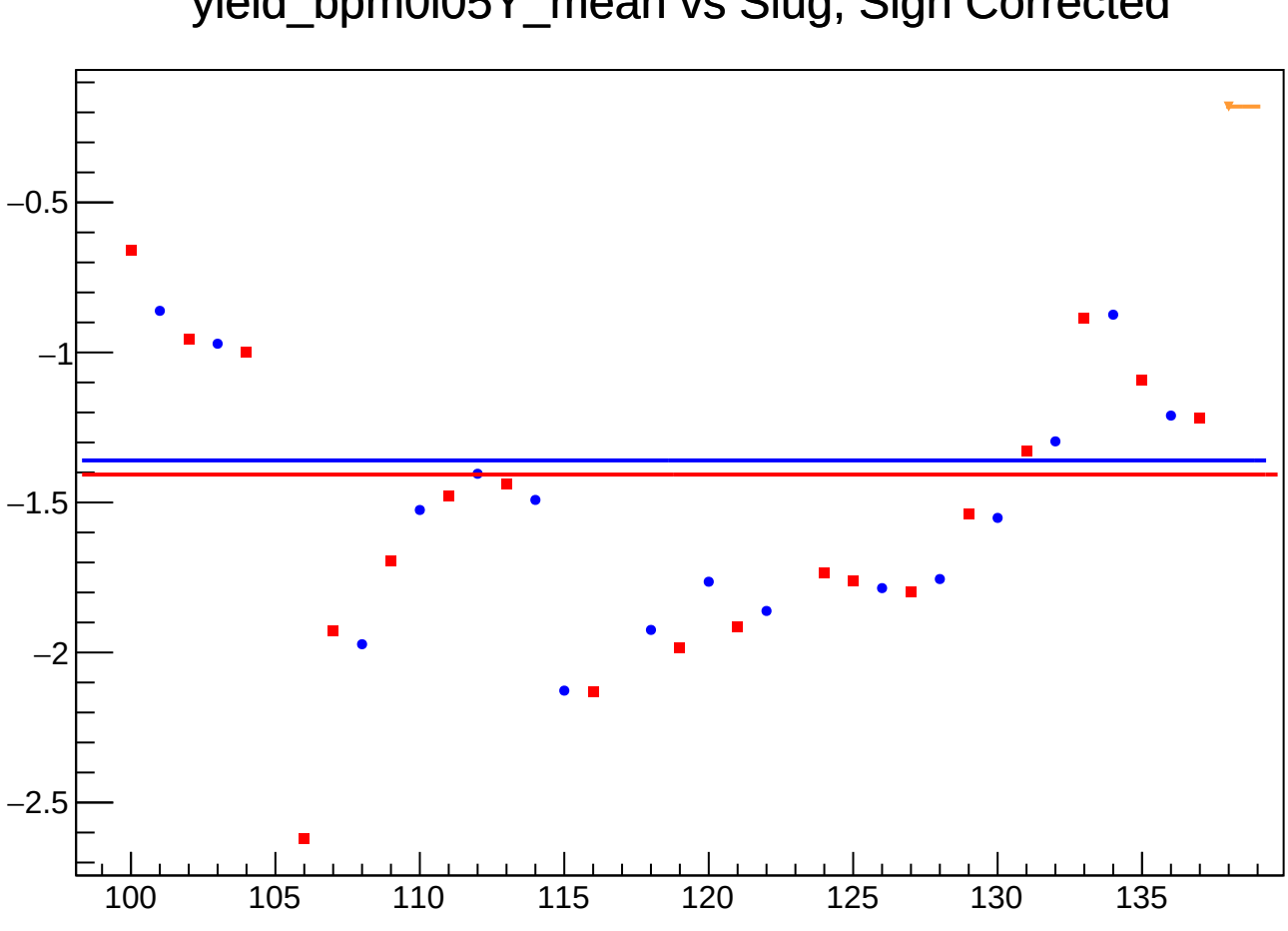
Left: 0.009+/-0.000 χ^2/NDF: 0.0/0

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:1710797.2/15

Out: 0.008+/-0.000 χ^2/NDF:1342690.5/19

All: 0.008+/-0.000 χ^2/NDF: 3054333.1/35



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.181+/-0.000 χ^2/NDF:0.0/0

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.181+/-0.000 χ^2/NDF: 0.0/0

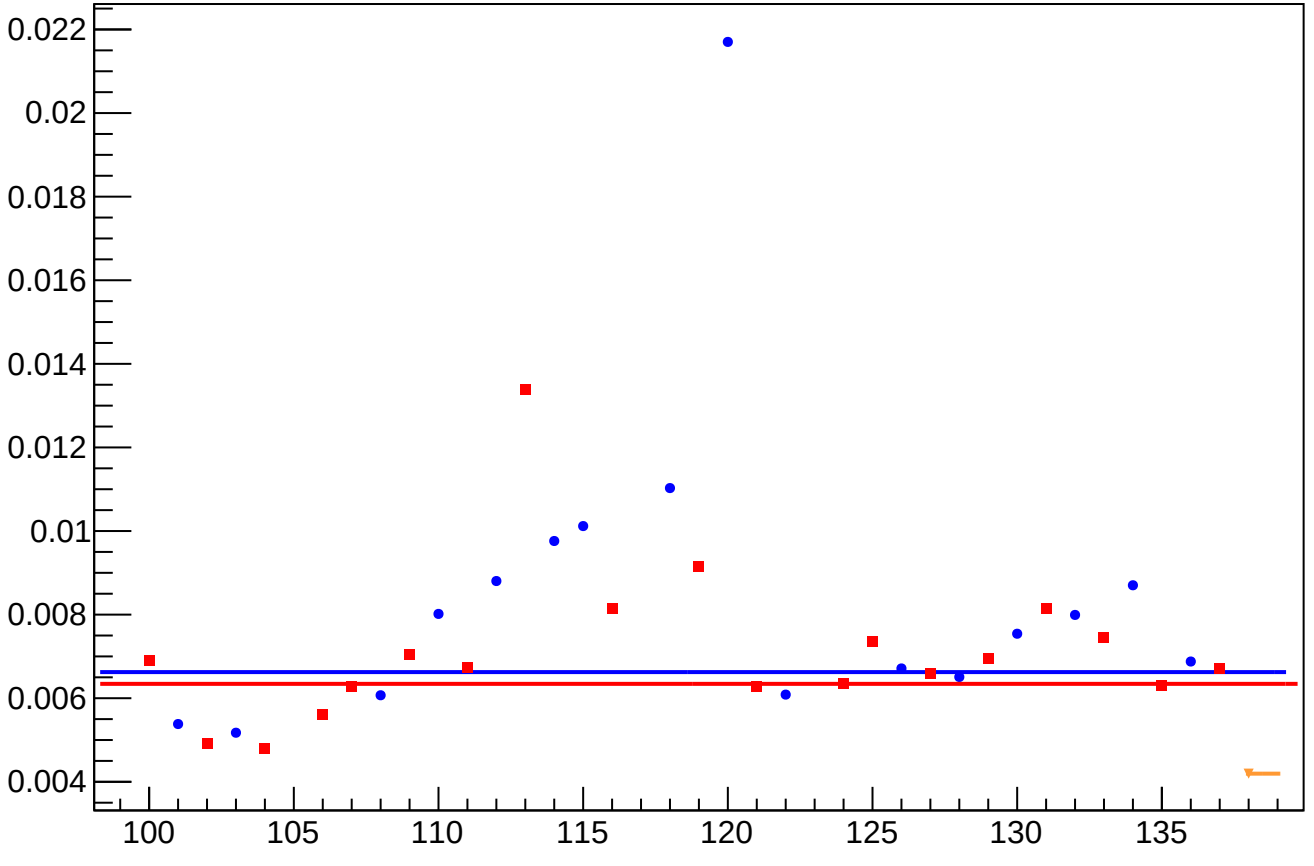
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -1.360+/-0.000 χ^2/NDF:21491965614.5/15

Out: -1.141+/-0.000 χ^2/NDF:79397609327.8/19

All: -1.230+/-0.000 χ^2/NDF: 104642006967.5

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 0.0/0

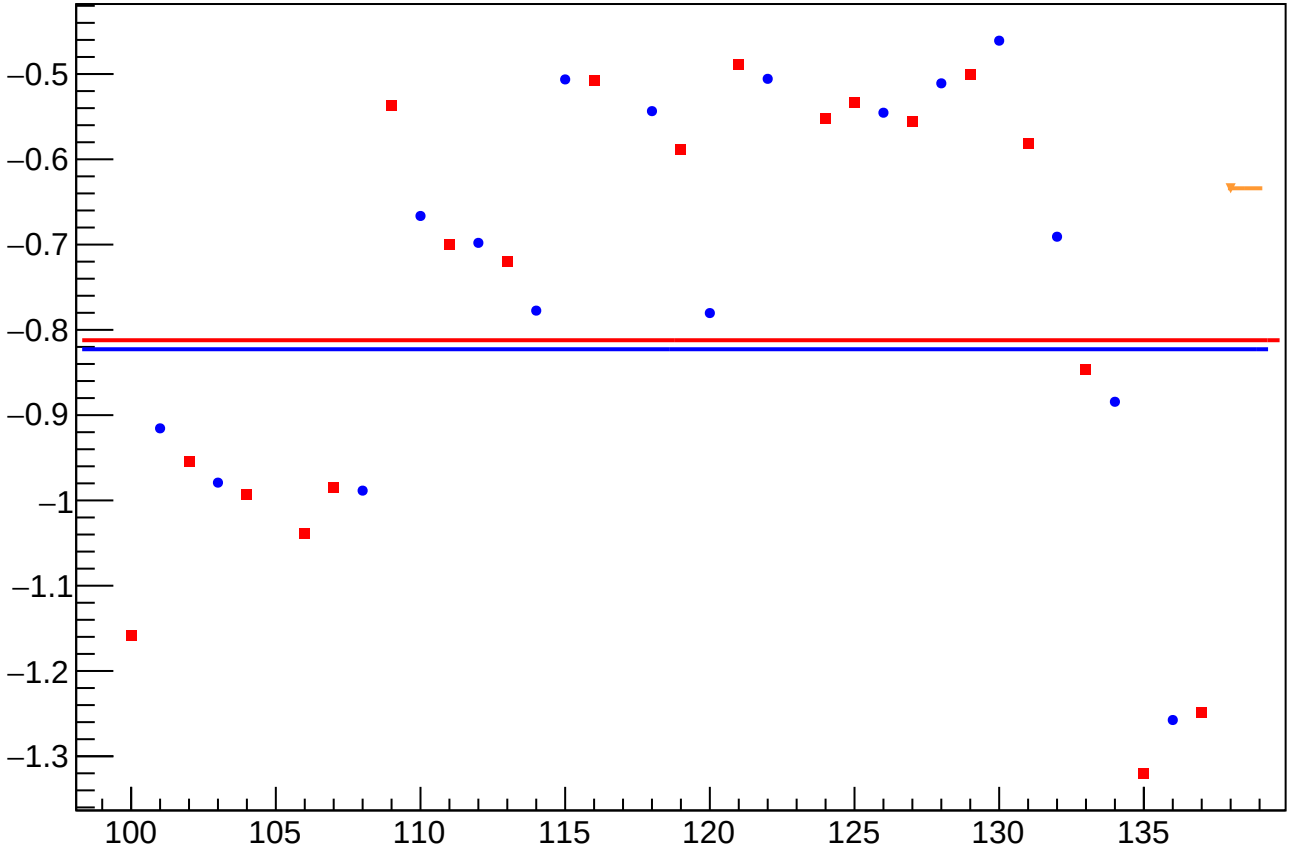
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.007+/-0.000 χ^2/NDF:693783.1/15

Out: 0.006+/-0.000 χ^2/NDF:833349.1/19

All: 0.006+/-0.000 χ^2/NDF: 1614771.4/35

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.634+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.634+/-0.000 χ^2/NDF: 0.0/0

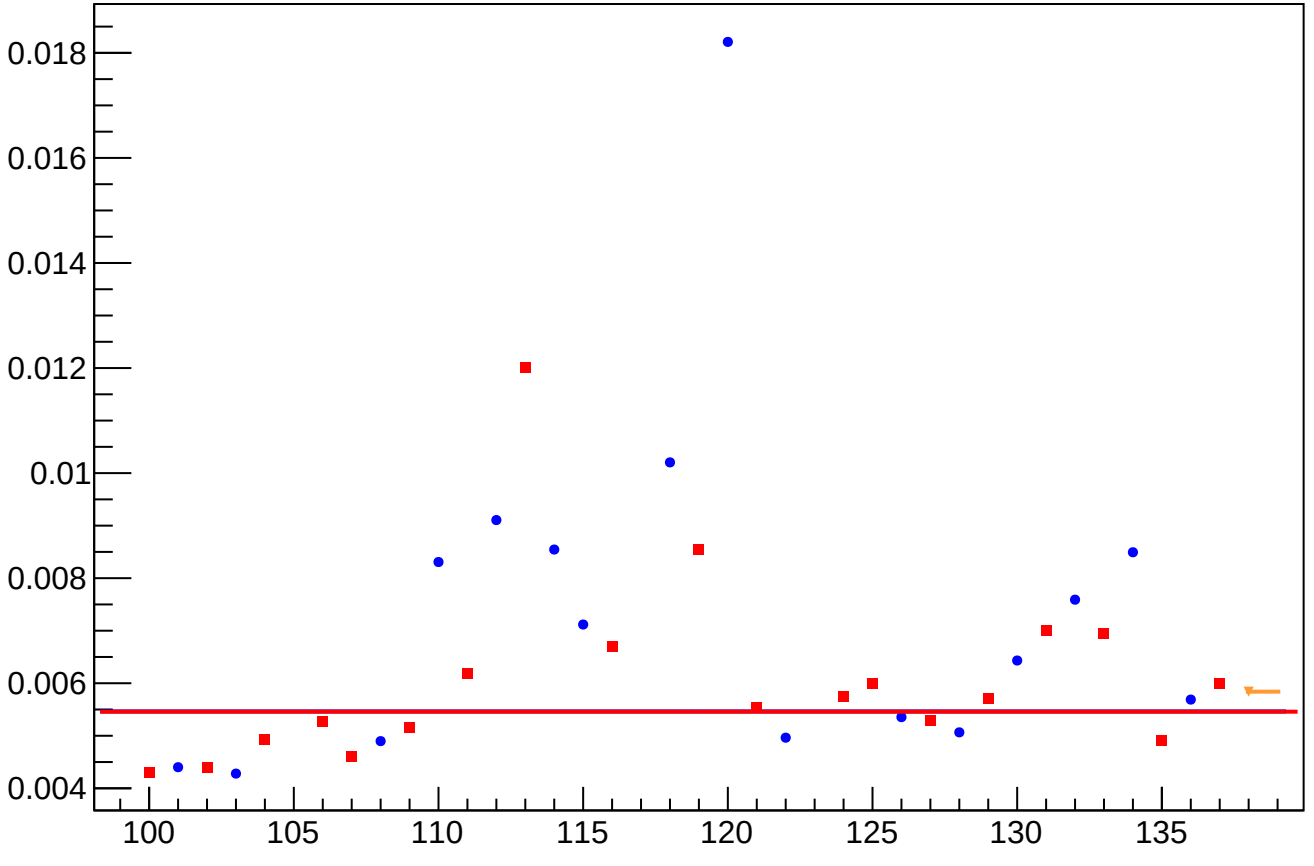
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.823+/-0.000 χ^2/NDF:12226599844.5/15

Out: -0.797+/-0.000 χ^2/NDF:15355636934.2/19

All: -0.809+/-0.000 χ^2/NDF: 27646629157.1/

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:0.0/0

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

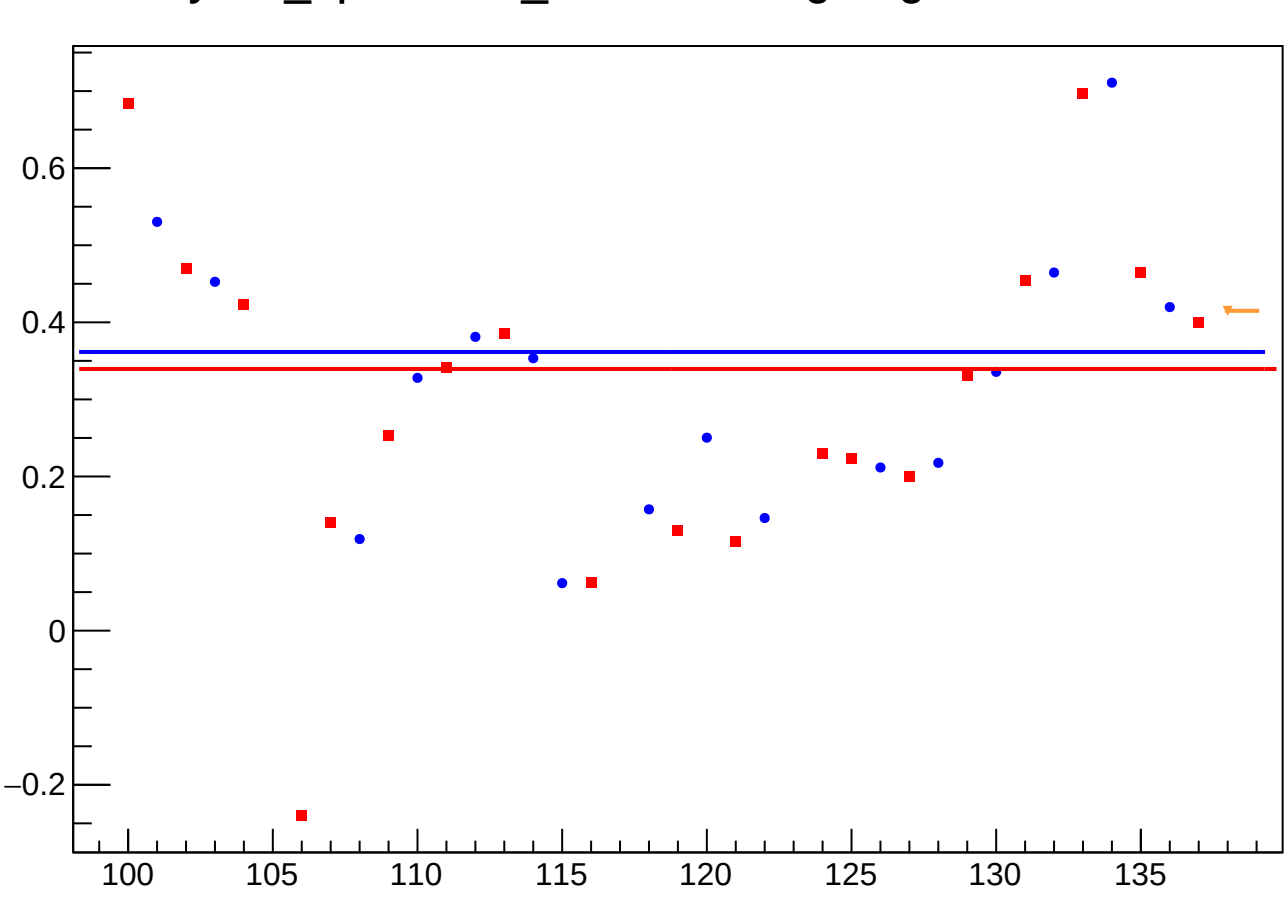
Left: 0.006+/-0.000 χ^2/NDF: 0.0/0

Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:961483.6/15

Out: 0.005+/-0.000 χ^2/NDF:512652.8/19

All: 0.005+/-0.000 χ^2/NDF: 1474278.9/35



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.415+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.415+/-0.000 χ^2/NDF: 0.0/0

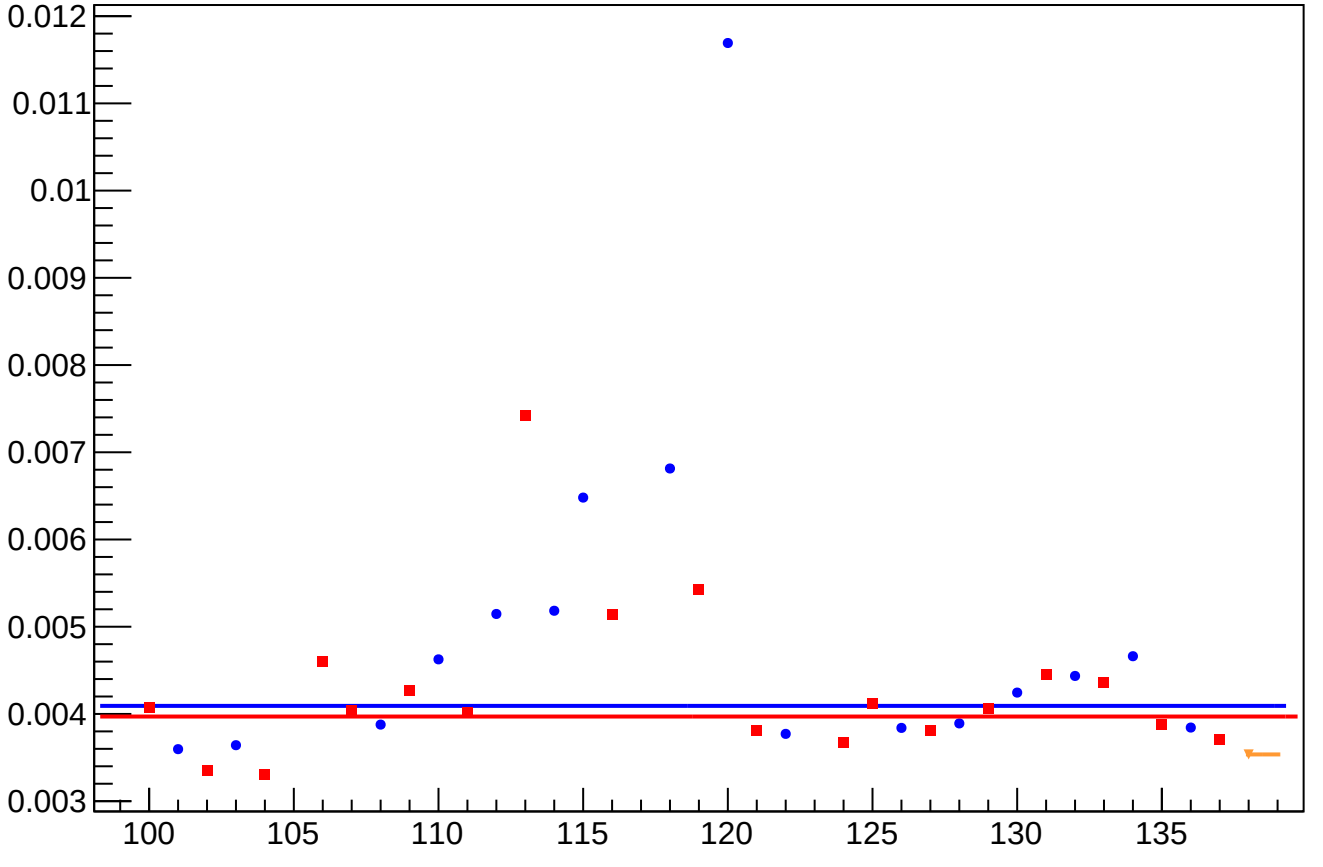
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.362+/-0.000 χ^2/NDF:8775952187.9/15

Out: 0.347+/-0.000 χ^2/NDF:12289780331.0/19

All: 0.353+/-0.000 χ^2/NDF: 21110953769.4/3

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:0.0/0

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 0.0/0

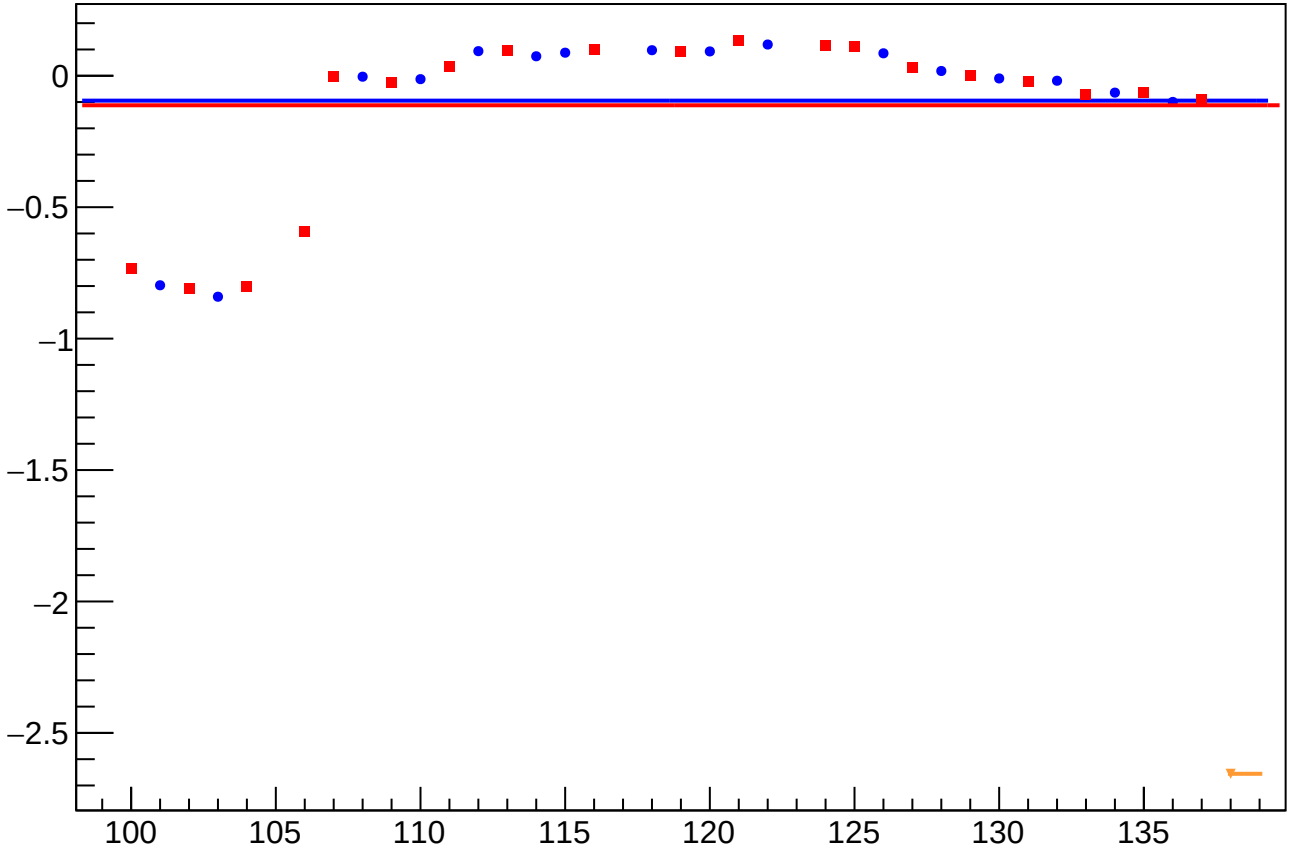
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:491748.3/15

Out: 0.004+/-0.000 χ^2/NDF:328161.7/19

All: 0.004+/-0.000 χ^2/NDF: 830624.8/35

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.656+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -2.656+/-0.000 χ^2/NDF: 0.0/0

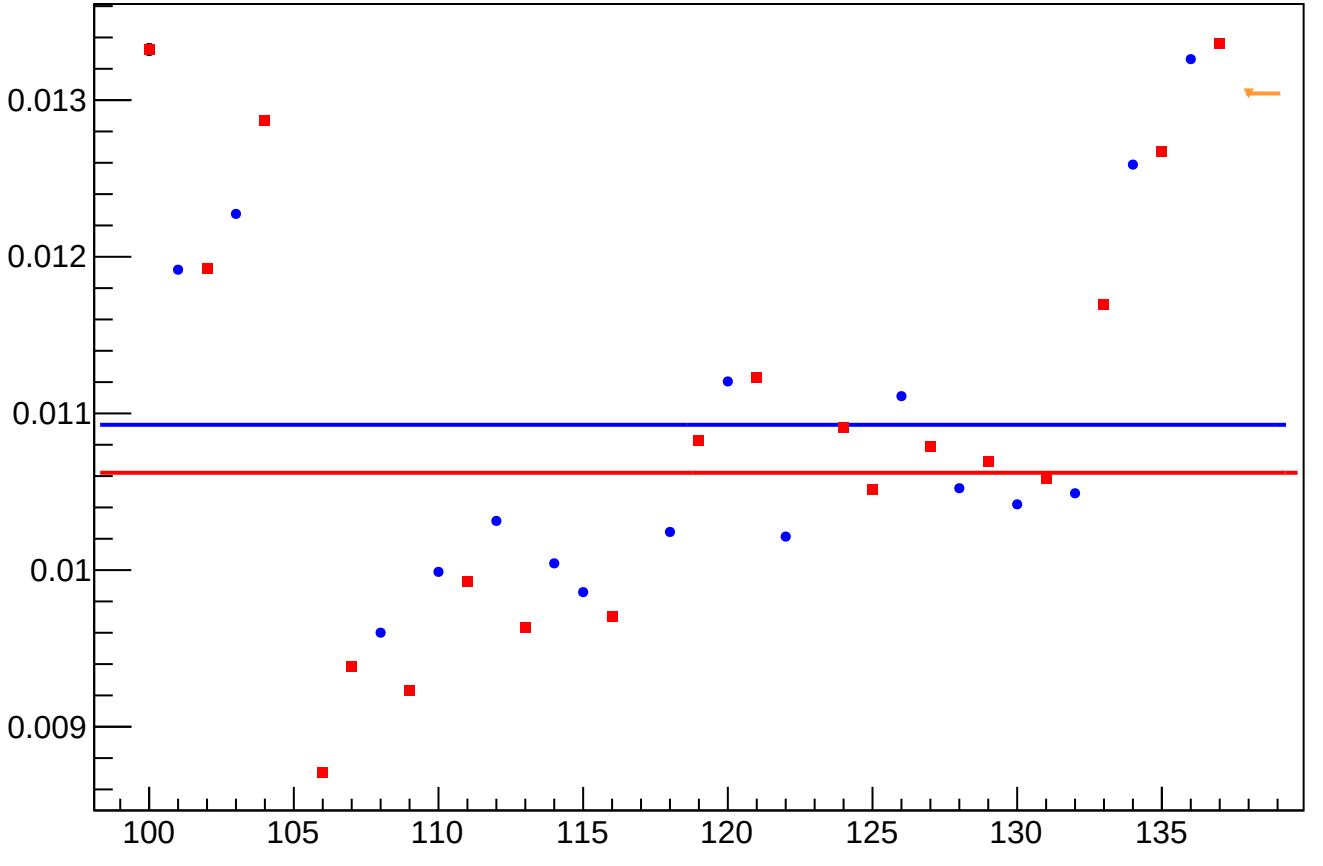
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -0.095+/-0.000 χ^2/NDF:5489721985.1/15

Out: -0.276+/-0.000 χ^2/NDF:33437964044.7/19

All: -0.193+/-0.000 χ^2/NDF: 39988581990.3/

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.013+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.000 χ^2/NDF: 0.0/0

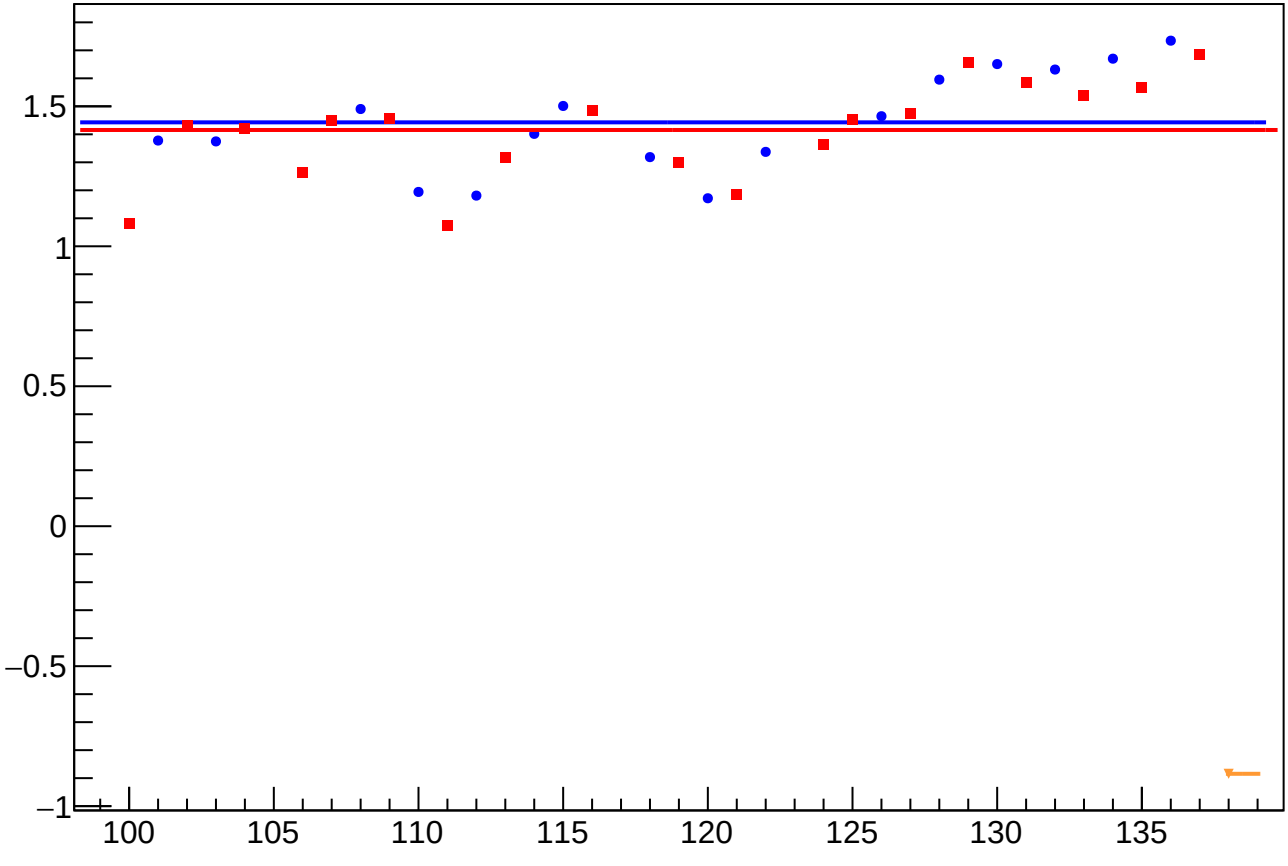
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.011+/-0.000 χ^2/NDF:136478.1/15

Out: 0.011+/-0.000 χ^2/NDF:239909.3/19

All: 0.011+/-0.000 χ^2/NDF: 377835.5/35

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.884+/-0.000 χ^2/NDF:0.0/0

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.884+/-0.000 χ^2/NDF: 0.0/0

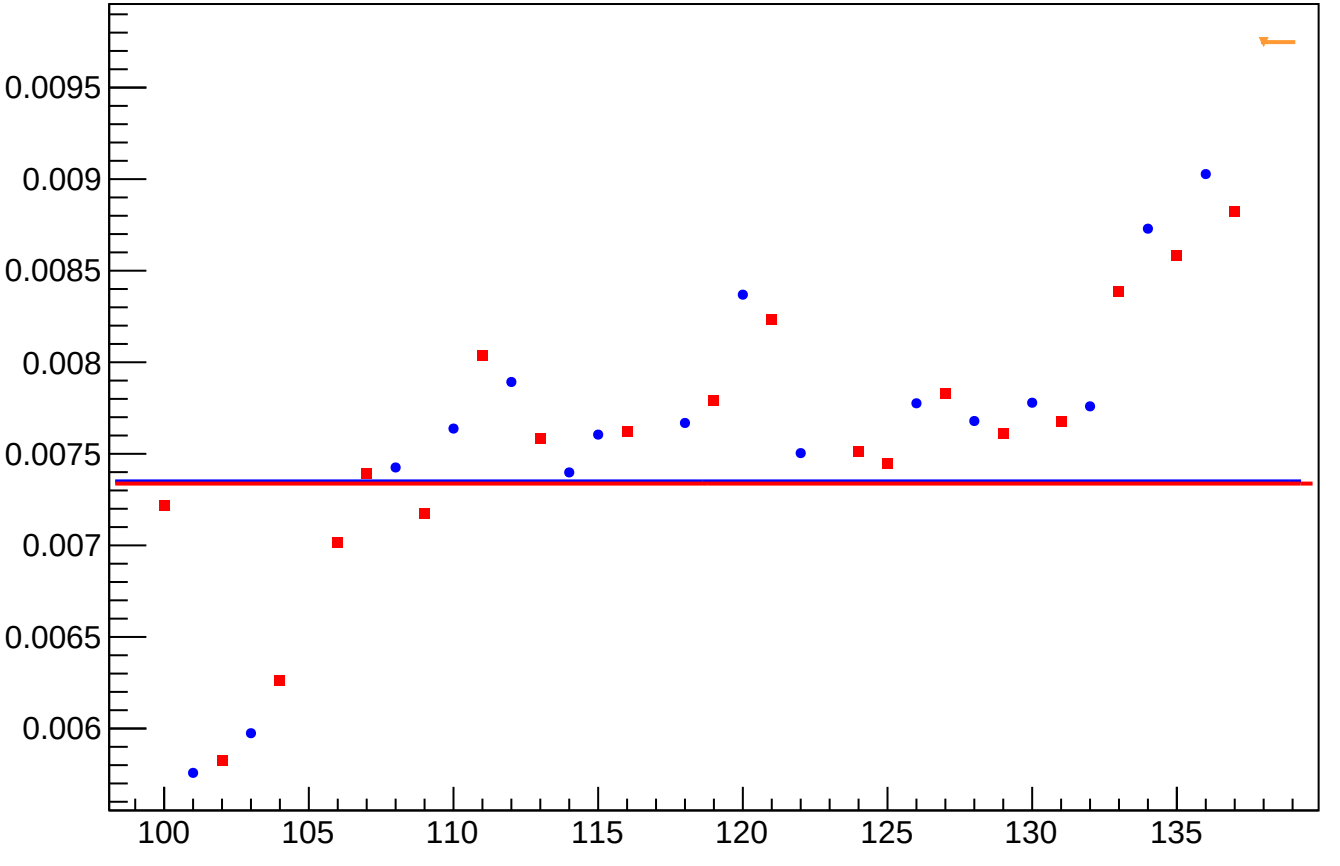
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 1.443+/-0.000 χ^2/NDF:3739724691.1/15

Out: 1.286+/-0.000 χ^2/NDF:43541110824.3/19

All: 1.360+/-0.000 χ^2/NDF: 48968942933.4/3

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:0.0/0

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.000 χ^2/NDF: 0.0/0

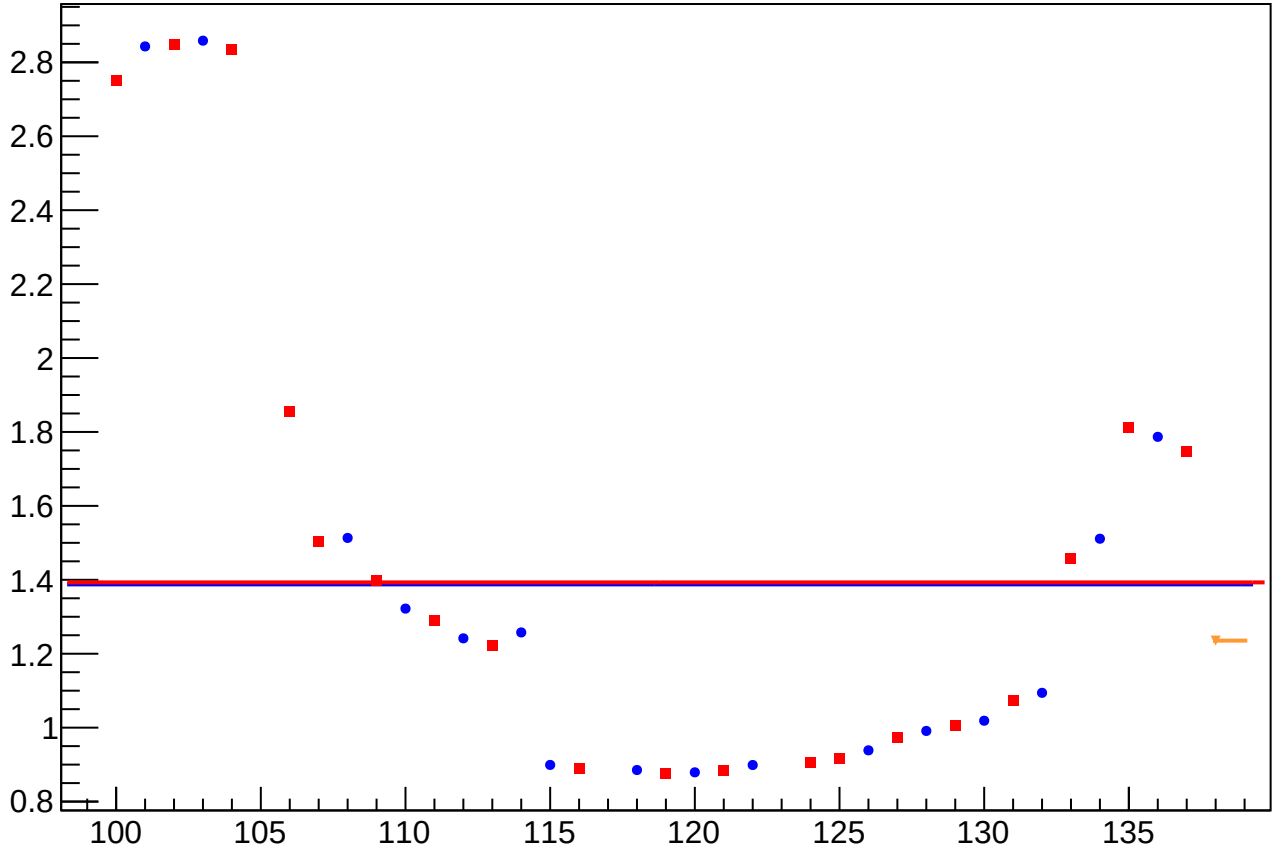
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:270864.2/15

Out: 0.007+/-0.000 χ^2/NDF:284886.5/19

All: 0.007+/-0.000 χ^2/NDF: 557857.4/35

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.235+/-0.000 χ^2/NDF:0.0/0

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.235+/-0.000 χ^2/NDF: 0.0/0

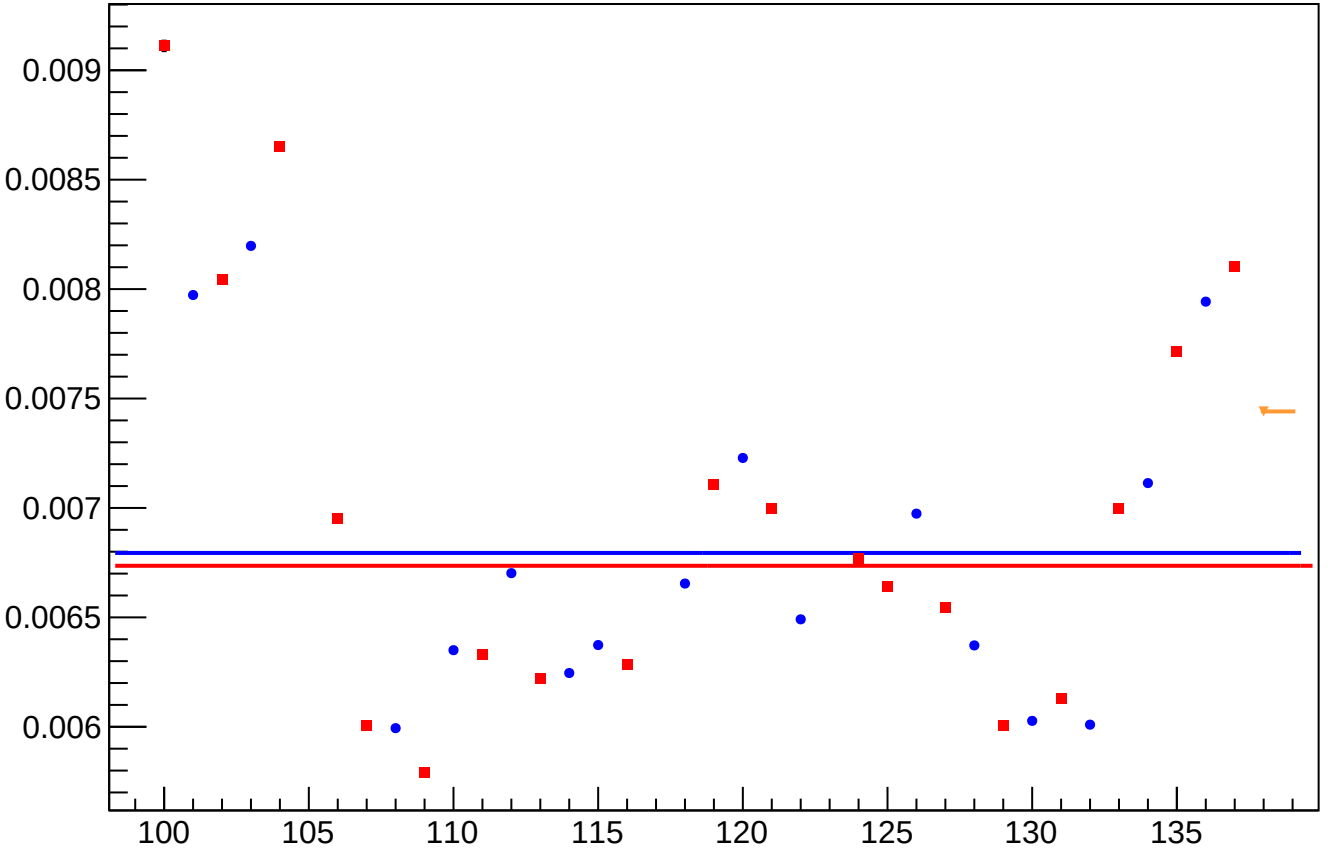
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.388+/-0.000 χ^2/NDF:58612635453.0/15

Out: 1.381+/-0.000 χ^2/NDF:55681064782.3/19

All: 1.384+/-0.000 χ^2/NDF: 114297614779.7

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.007+/-0.000 χ^2/NDF: 0.0/0

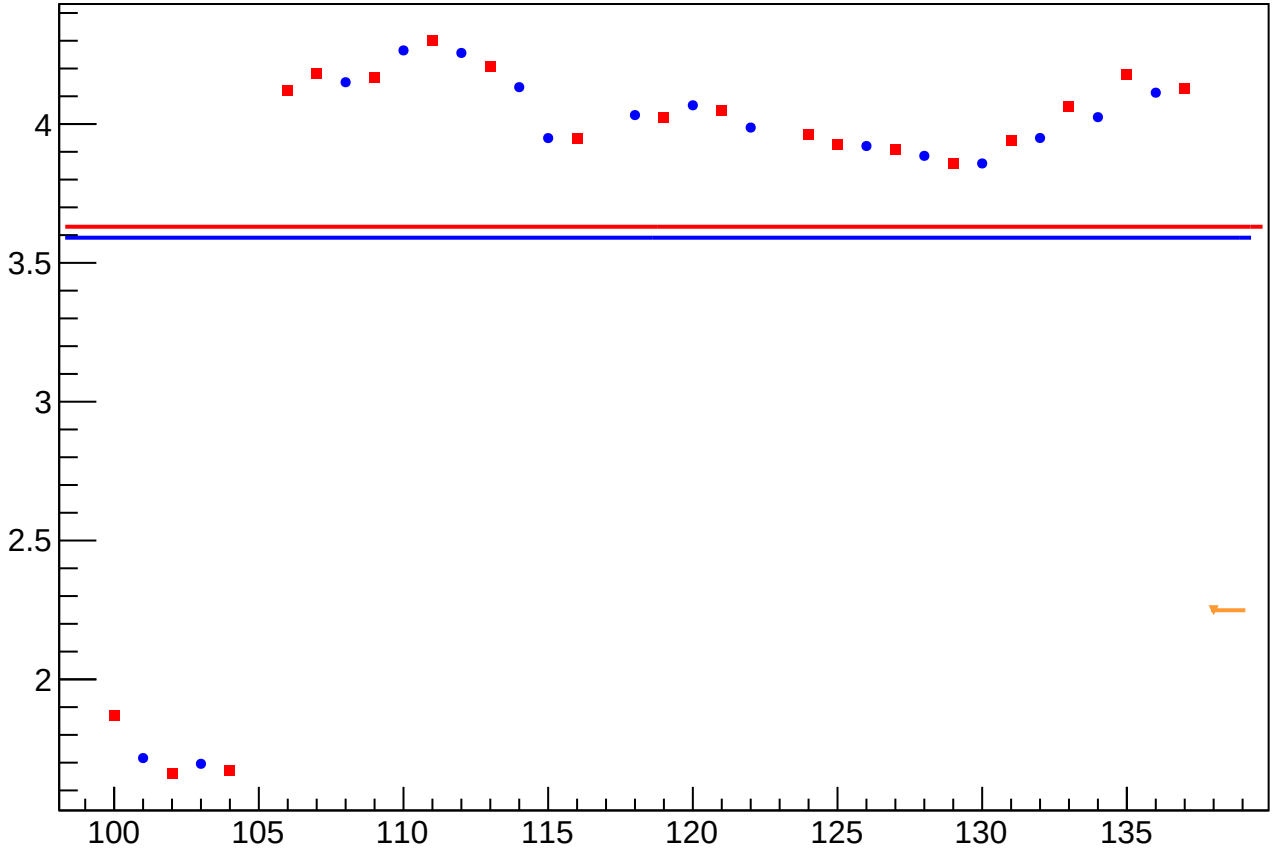
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:164456.7/15

Out: 0.007+/-0.000 χ^2/NDF:211130.3/19

All: 0.007+/-0.000 χ^2/NDF: 375589.0/35

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 2.249+/-0.000 χ^2/NDF:0.0/0

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2.249+/-0.000 χ^2/NDF: 0.0/0

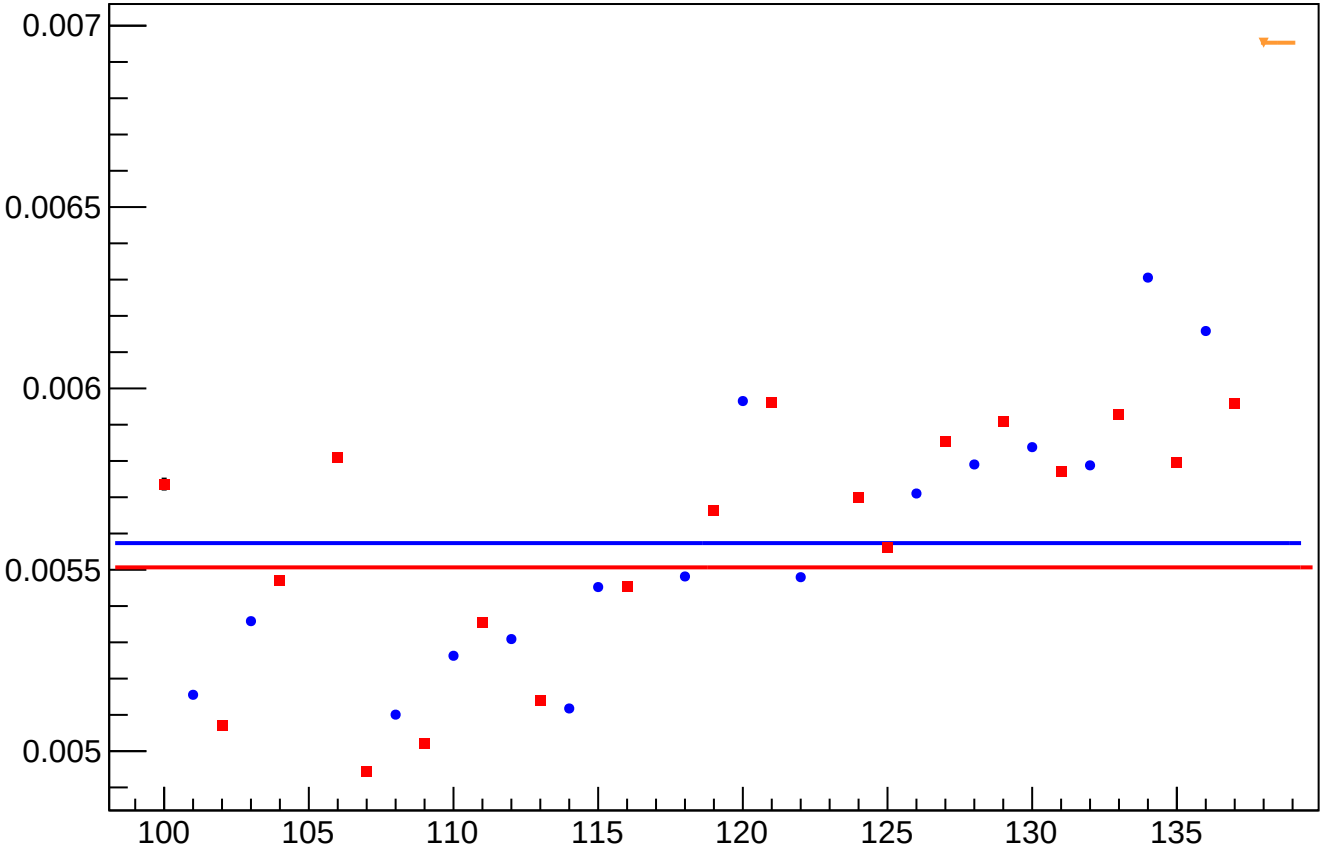
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 3.591+/-0.000 χ^2/NDF:202184644473.7/15

Out: 3.545+/-0.000 χ^2/NDF:240945959114.9/19

All: 3.567+/-0.000 χ^2/NDF: 443385545620.6

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:0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.007+/-0.000 χ^2/NDF: 0.0/0

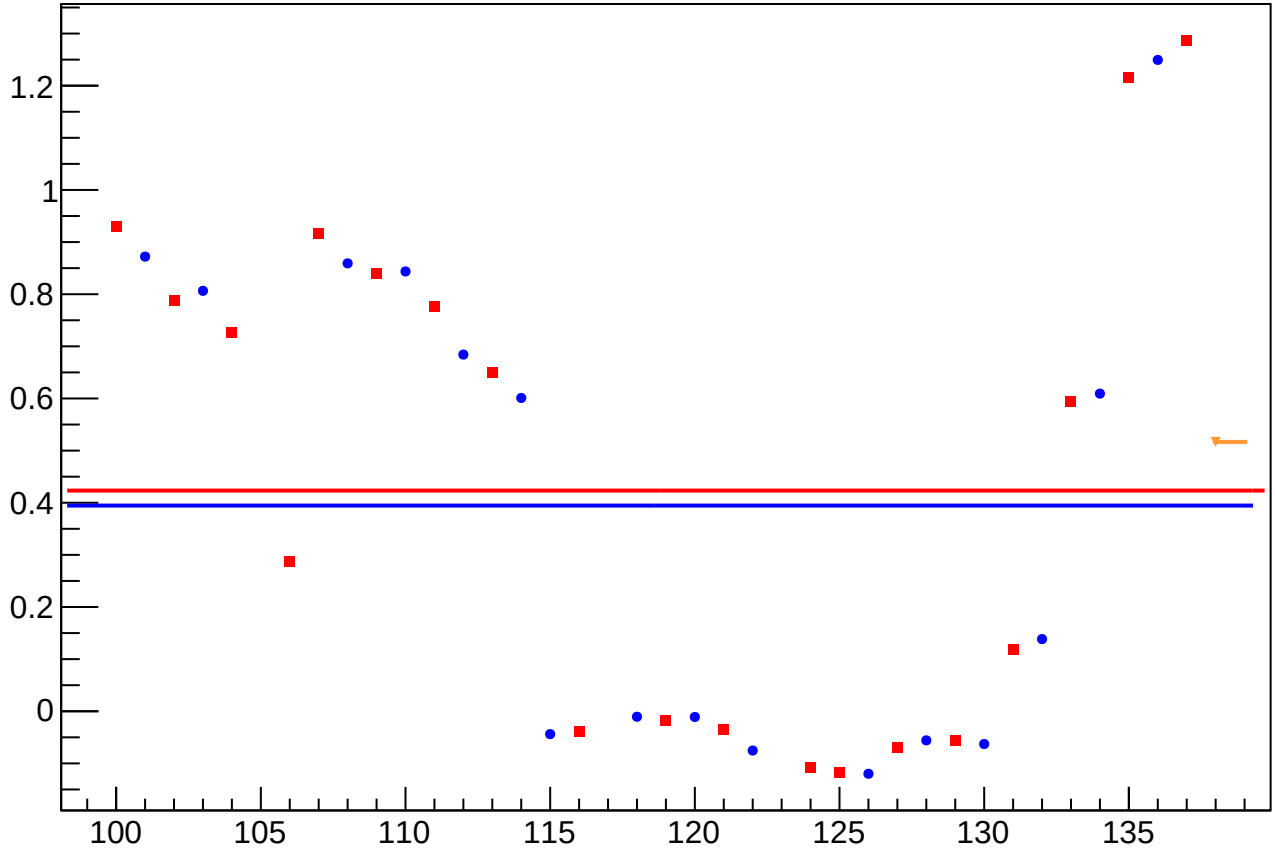
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.006+/-0.000 χ^2/NDF:59130.1/15

Out: 0.006+/-0.000 χ^2/NDF:119621.0/19

All: 0.006+/-0.000 χ^2/NDF: 178872.8/35

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.517+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

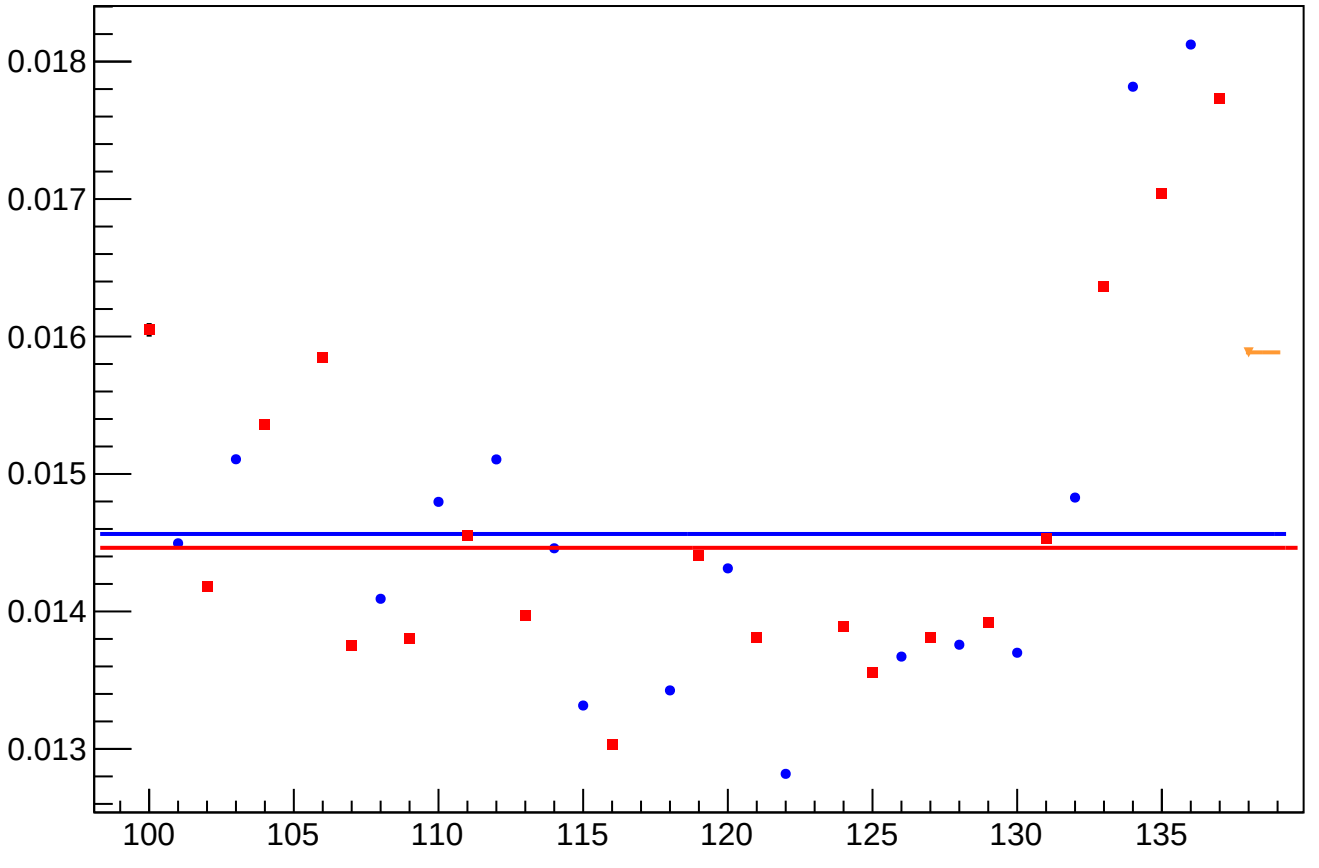
Left: 0.517+/-0.000 χ^2/NDF: 0.0/0

Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

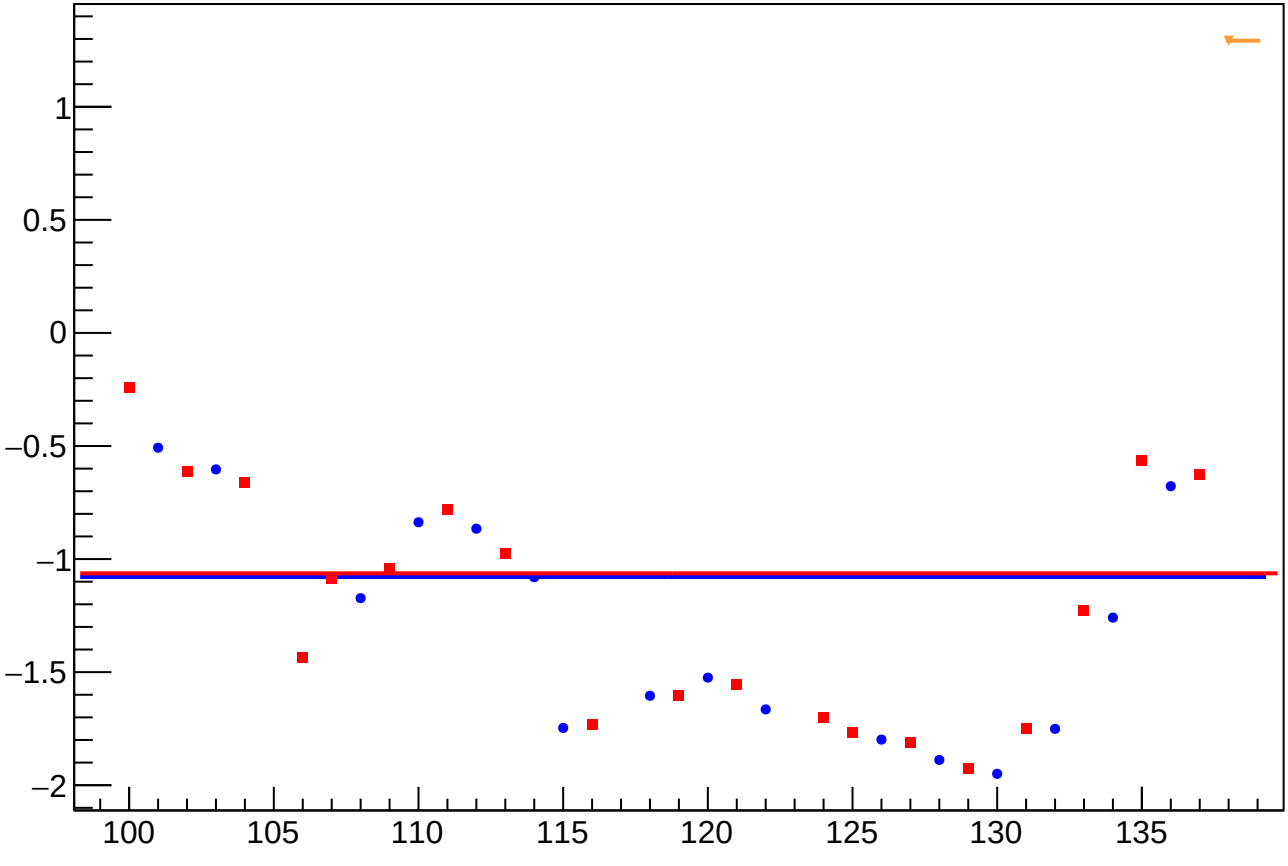
In: 0.395+/-0.000 χ^2/NDF:7412548044.8/15

Out: 0.431+/-0.000 χ^2/NDF:6928257628.3/19

All: 0.414+/-0.000 χ^2/NDF: 14364090031.3/3


yield_bpm1i06X_rms vs Slug, Sign Corrected
0.018
0.017
0.016
0.015
0.014
0.013
100
105
110
115
120
125
130
135
Right In: 0.015+/-0.000 χ²/NDF: 133134.7/15
Left Out: 0.016+/-0.000 χ²/NDF:0.0/0
Right Out: 0.014+/-0.000 χ²/NDF: 77396.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.016+/-0.000 χ²/NDF: 0.0/0
Right: 0.015+/-0.000 χ²/NDF: 210877.4/34
In: 0.015+/-0.000 χ²/NDF:133134.7/15
Out: 0.015+/-0.000 χ²/NDF:88624.9/19
All: 0.015+/-0.000 χ²/NDF: 221765.3/35

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.292+/-0.000 χ^2/NDF:0.0/0

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.292+/-0.000 χ^2/NDF: 0.0/0

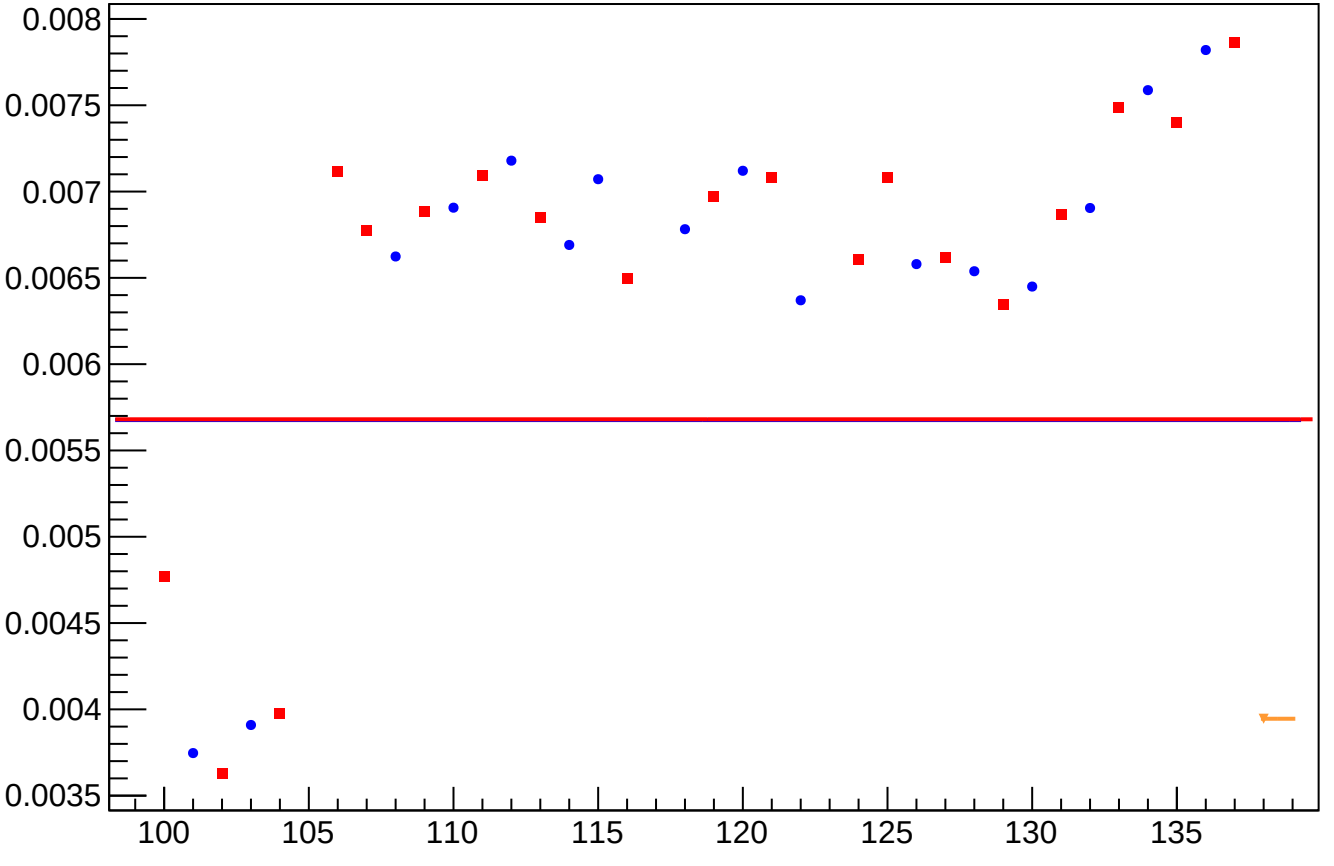
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: -1.079+/-0.000 χ^2/NDF:59756571764.5/15

Out: -0.613+/-0.000 χ^2/NDF:261633996776.9/19

All: -0.820+/-0.000 χ^2/NDF: 345241997115.2

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 0.0/0

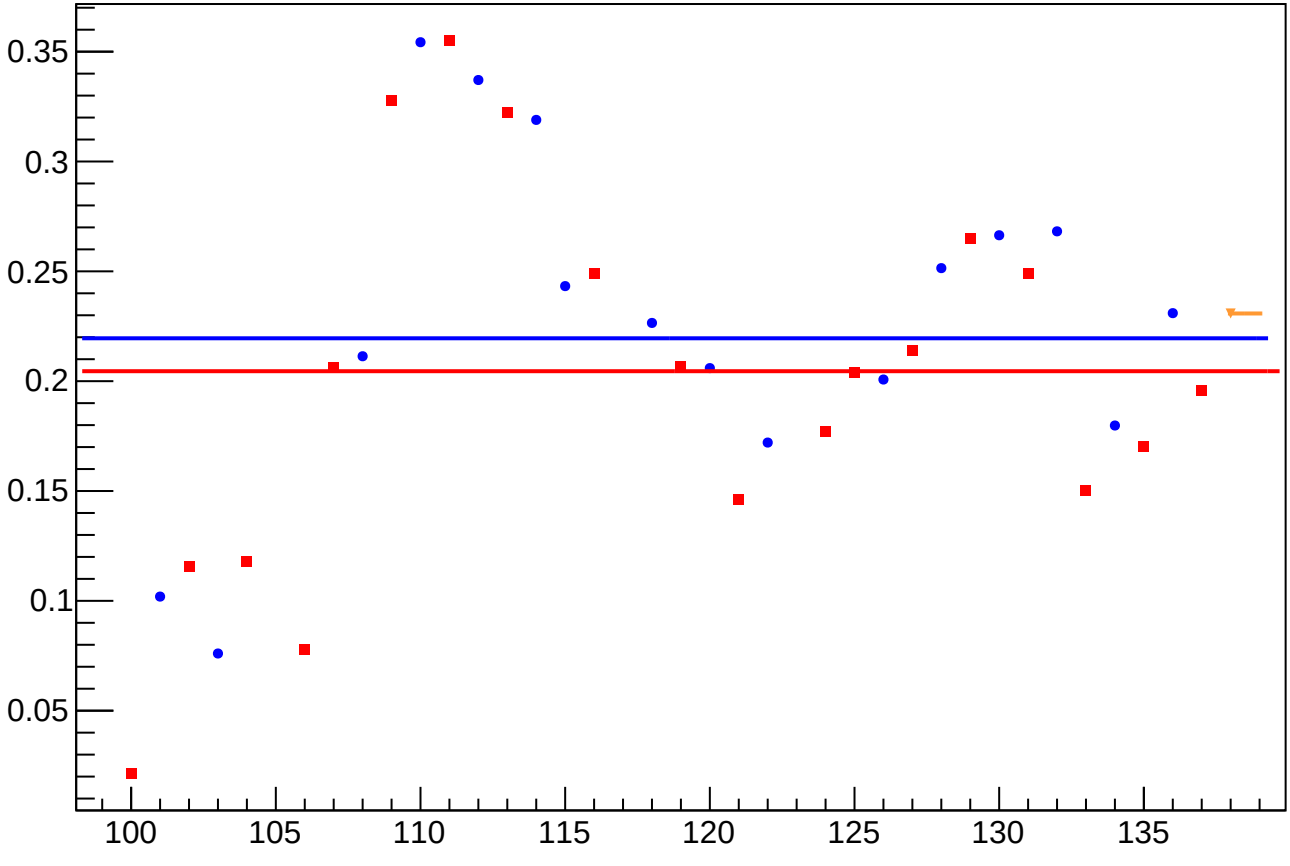
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.006+/-0.000 χ^2/NDF:944822.9/15

Out: 0.005+/-0.000 χ^2/NDF:1210315.1/19

All: 0.005+/-0.000 χ^2/NDF: 2178579.6/35

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.231+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.231+/-0.000 χ^2/NDF: 0.0/0

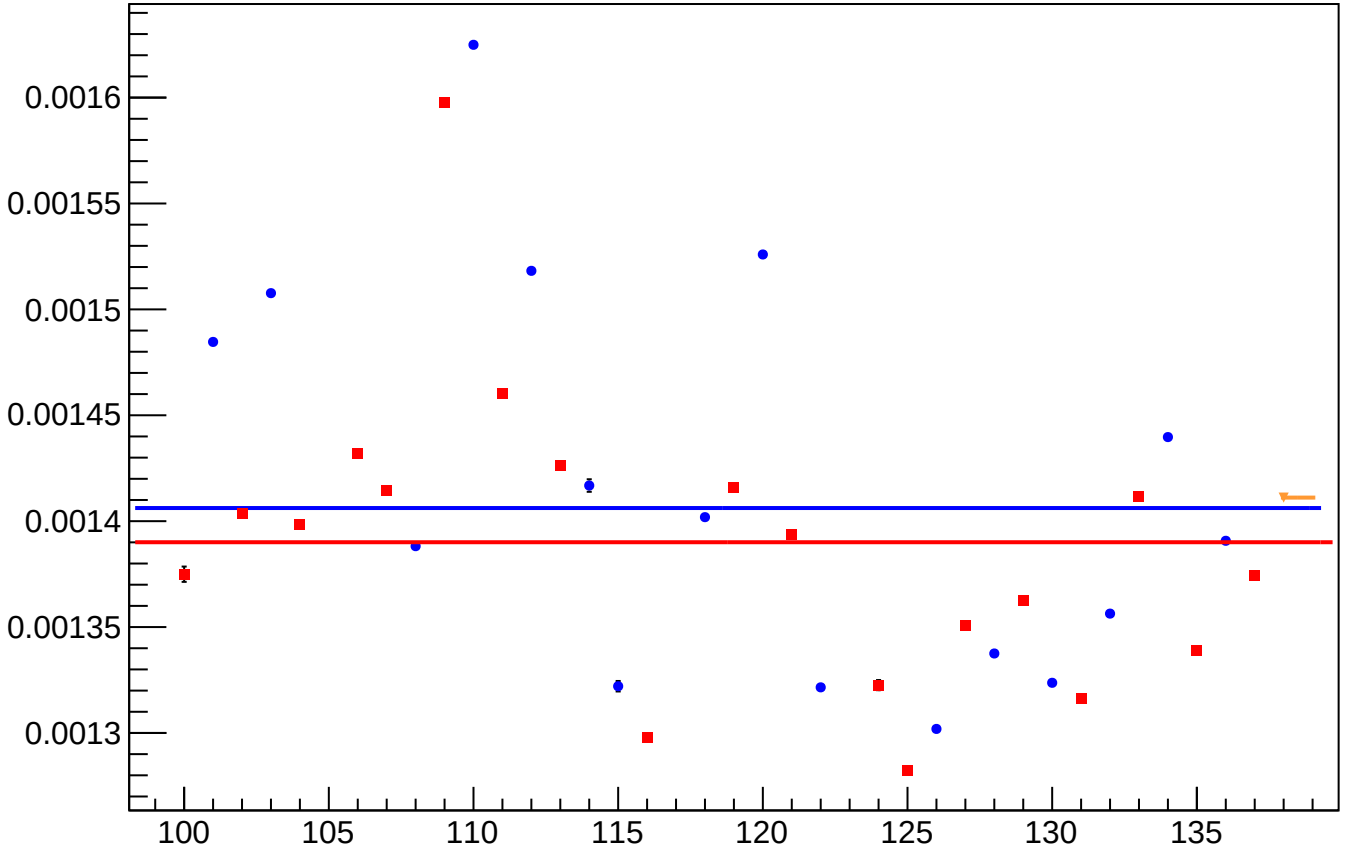
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.220+/-0.000 χ^2/NDF:16729743257.8/15

Out: 0.207+/-0.000 χ^2/NDF:22555704012.4/19

All: 0.213+/-0.000 χ^2/NDF: 39585677663.5/3

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.001+/-0.000 χ^2/NDF: 0.0/0

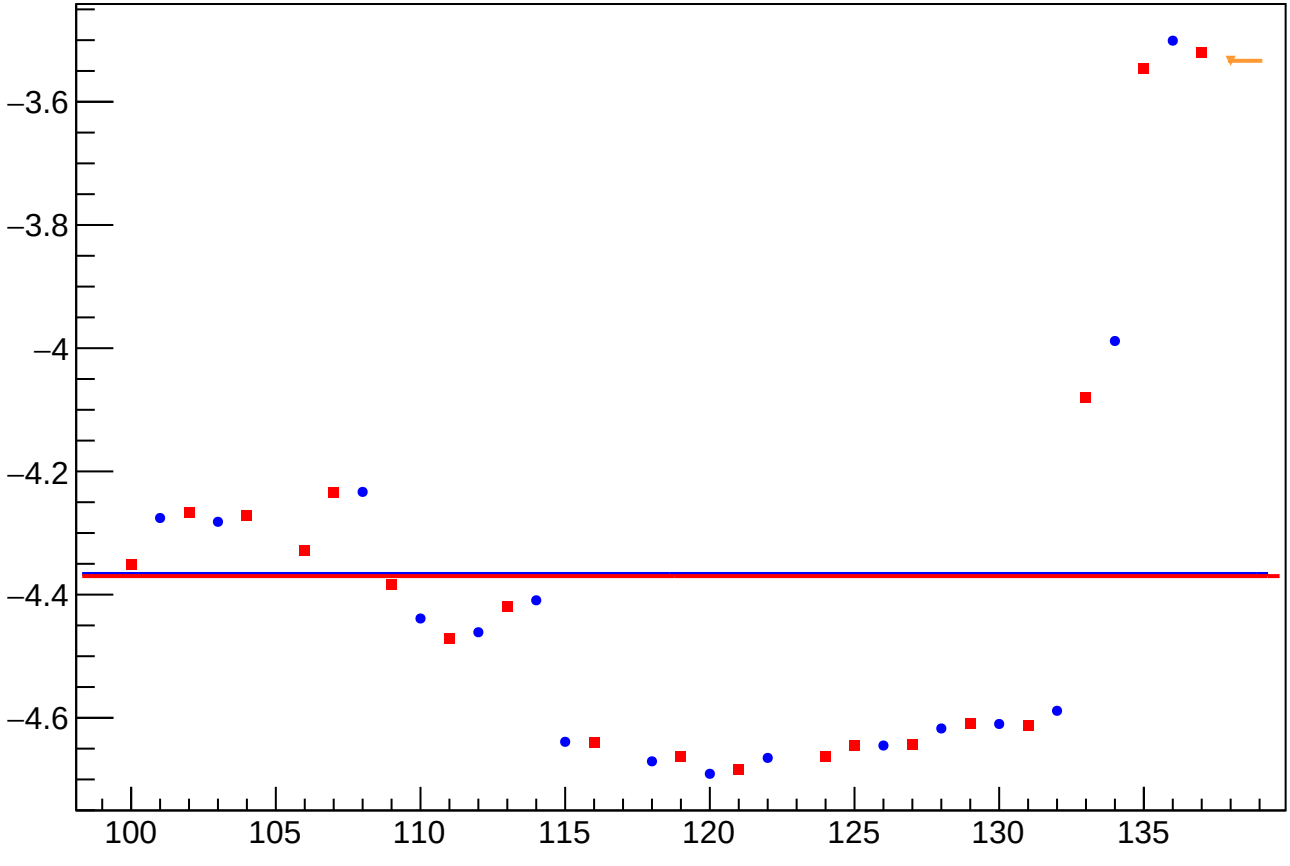
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:48200.9/15

Out: 0.001+/-0.000 χ^2/NDF:35099.9/19

All: 0.001+/-0.000 χ^2/NDF: 84069.5/35

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.533+/-0.000 χ^2/NDF:0.0/0

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -3.533+/-0.000 χ^2/NDF: 0.0/0

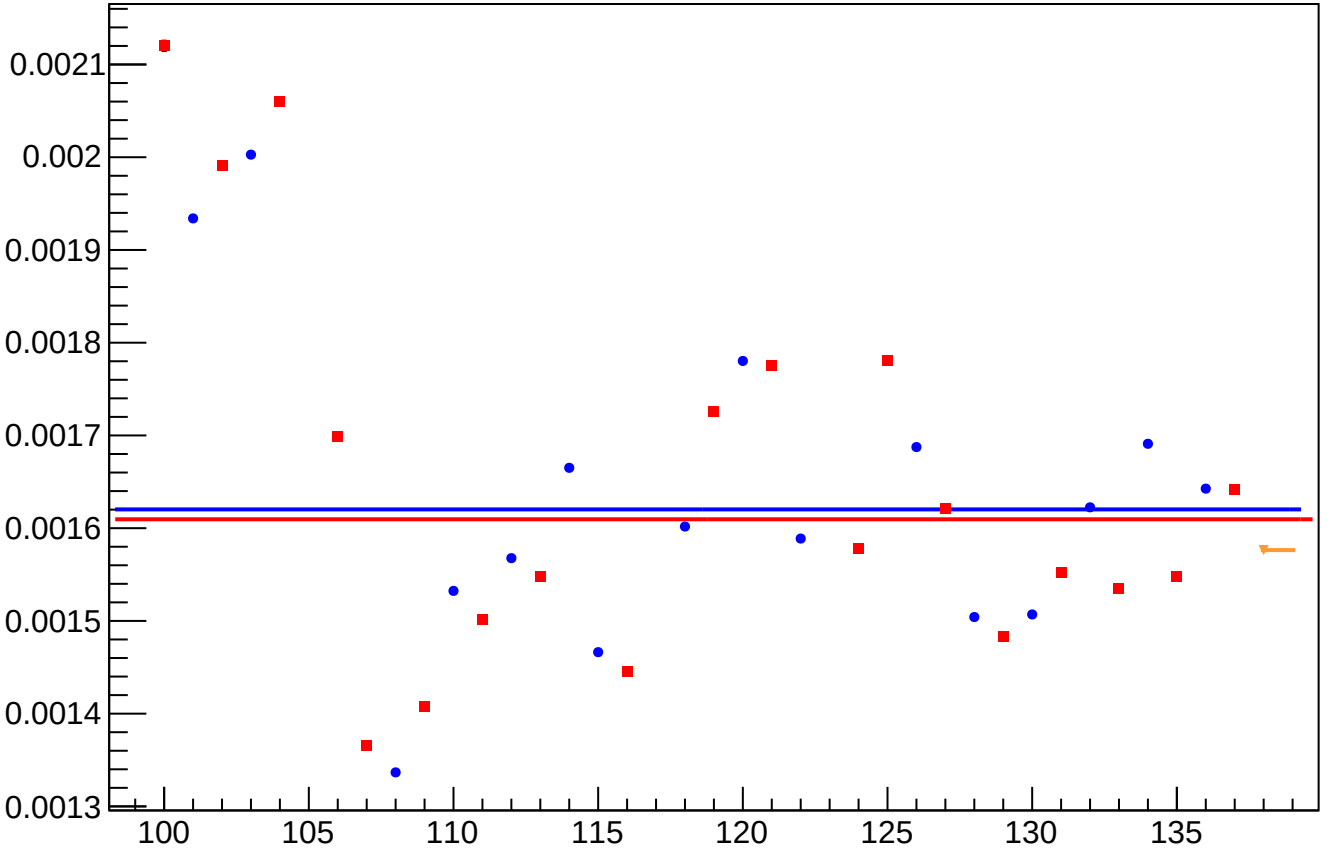
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.367+/-0.000 χ^2/NDF:353013303743.6/15

Out: -4.290+/-0.000 χ^2/NDF:480146911104.4/19

All: -4.325+/-0.000 χ^2/NDF: 841418984881.8

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:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.002+/-0.000 χ^2/NDF: 0.0/0

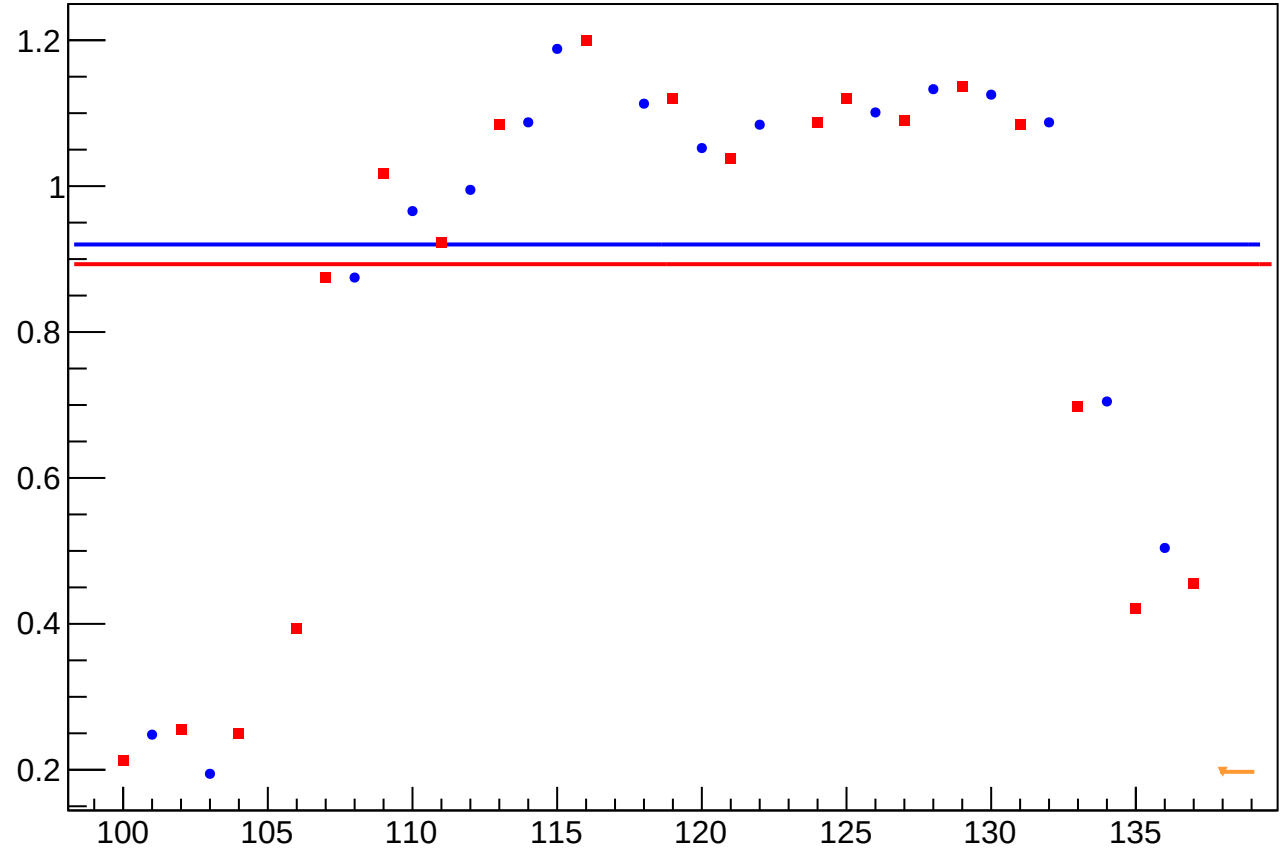
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:140216.3/15

Out: 0.002+/-0.000 χ^2/NDF:185547.6/19

All: 0.002+/-0.000 χ^2/NDF: 326302.8/35

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.197+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

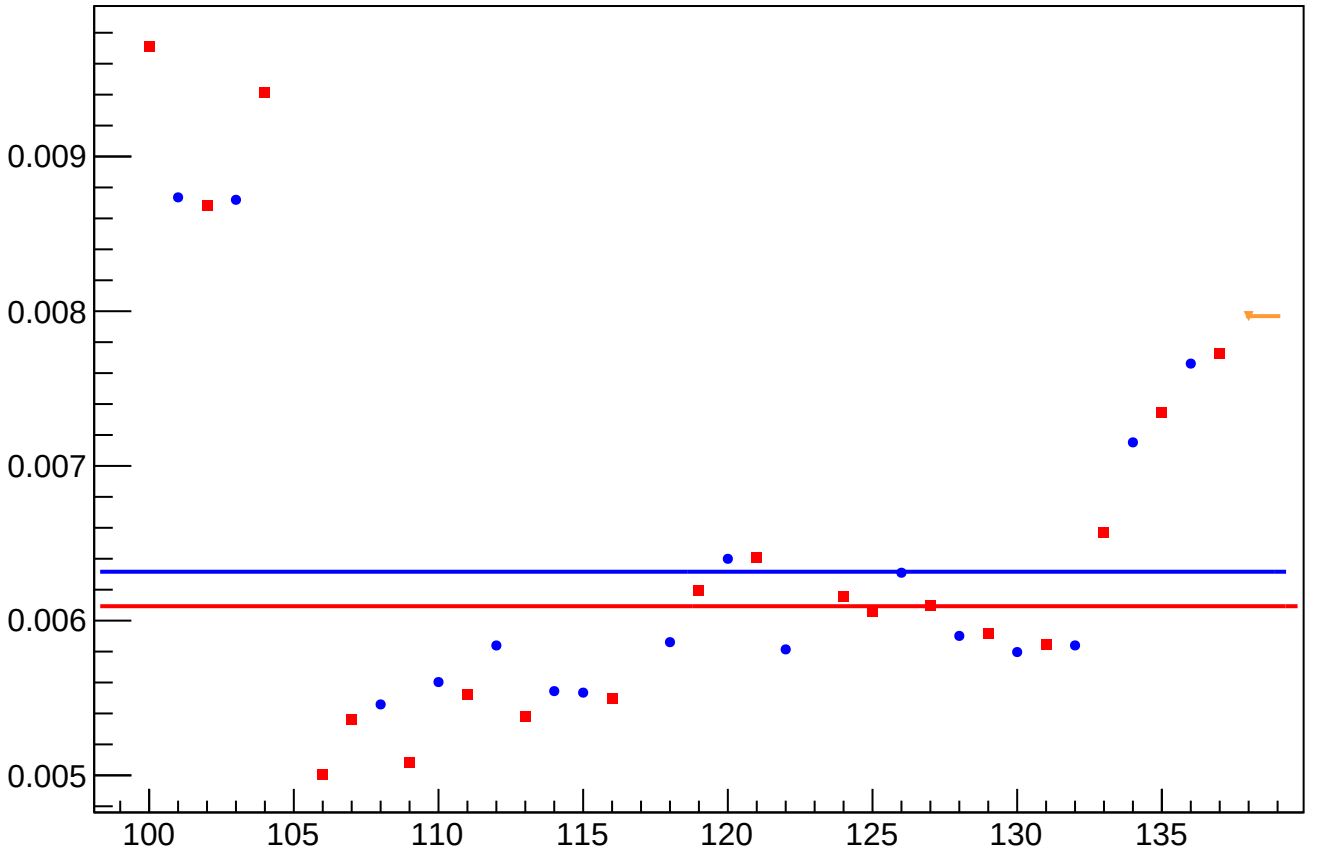
Left: 0.197+/-0.000 χ^2/NDF: 0.0/0

Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.920+/-0.000 χ^2/NDF:14566431727.4/15

Out: 0.853+/-0.000 χ^2/NDF:23135394691.5/19

All: 0.884+/-0.000 χ^2/NDF: 38134154219.0/3



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

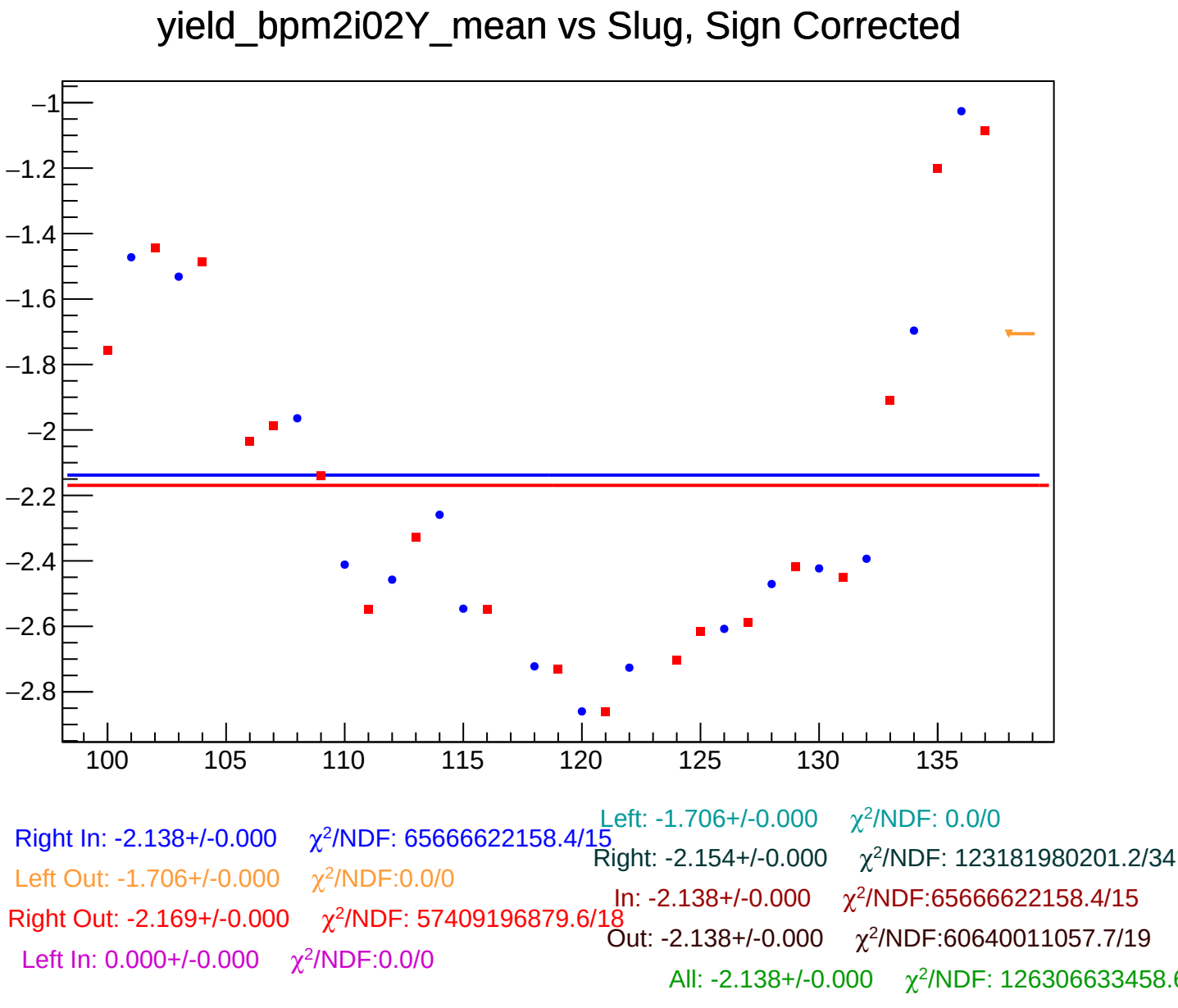
Left: 0.008+/-0.000 χ^2/NDF: 0.0/0

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

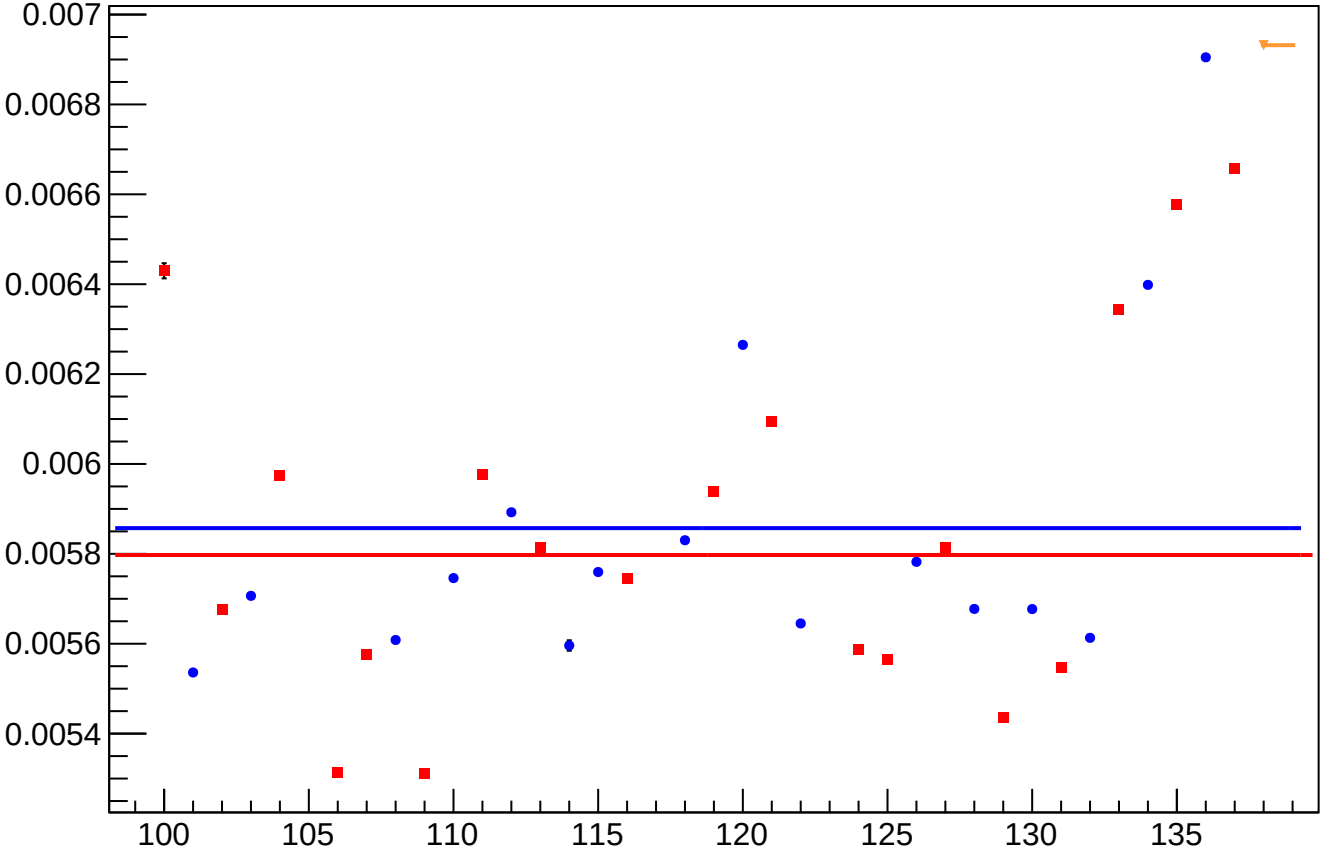
In: 0.006+/-0.000 χ^2/NDF:335709.2/15

Out: 0.006+/-0.000 χ^2/NDF:515707.1/19

All: 0.006+/-0.000 χ^2/NDF: 853889.3/35


yield_bpm2i02Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
105
110
115
120
125
130
135
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -1.706+/-0.000 χ²/NDF:0.0/0
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -1.706+/-0.000 χ²/NDF: 0.0/0
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.138+/-0.000 χ²/NDF:65666622158.4/15
Out: -2.138+/-0.000 χ²/NDF:60640011057.7/19
All: -2.138+/-0.000 χ²/NDF: 126306633458.6

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.007+/-0.000 χ^2/NDF: 0.0/0

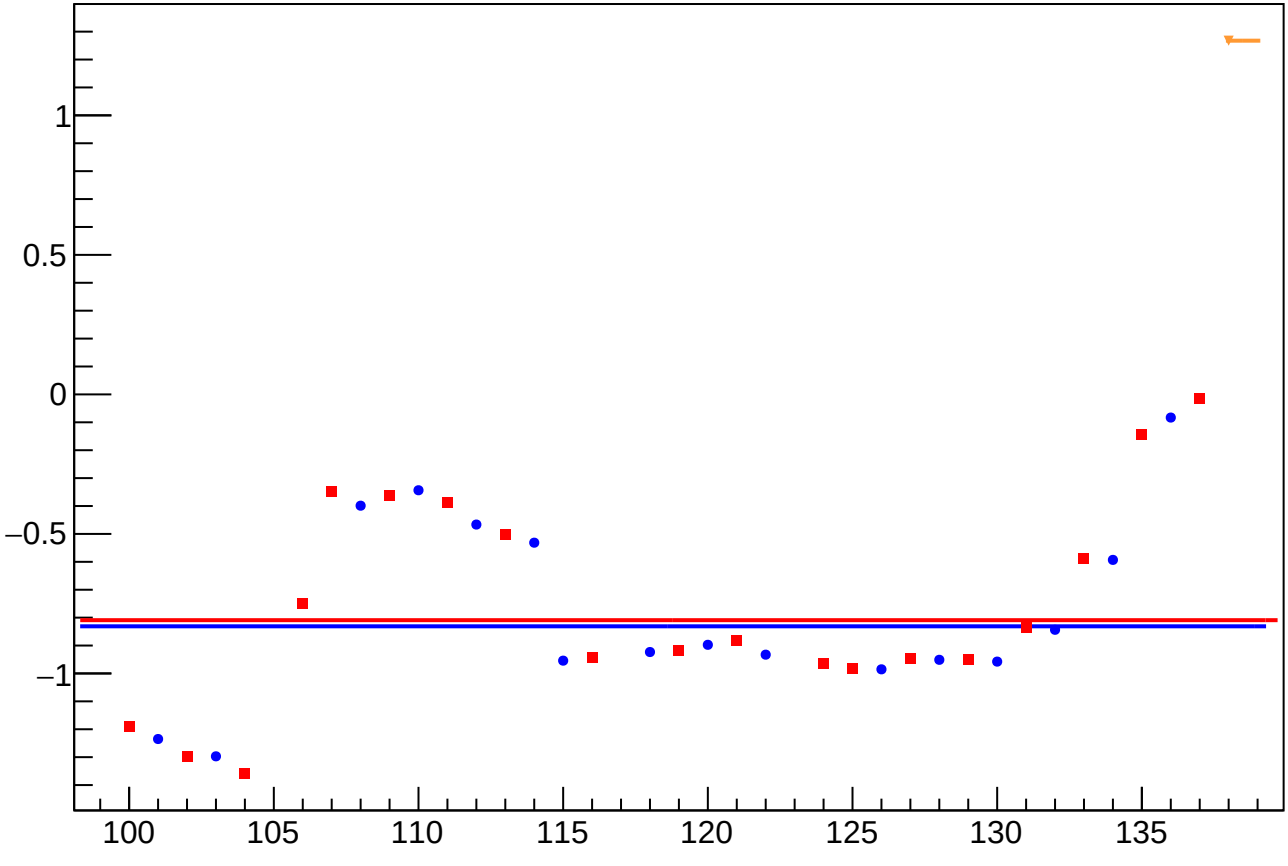
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:61946.9/15

Out: 0.006+/-0.000 χ^2/NDF:95110.9/19

All: 0.006+/-0.000 χ^2/NDF: 157123.0/35

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 1.268+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.268+/-0.000 χ^2/NDF: 0.0/0

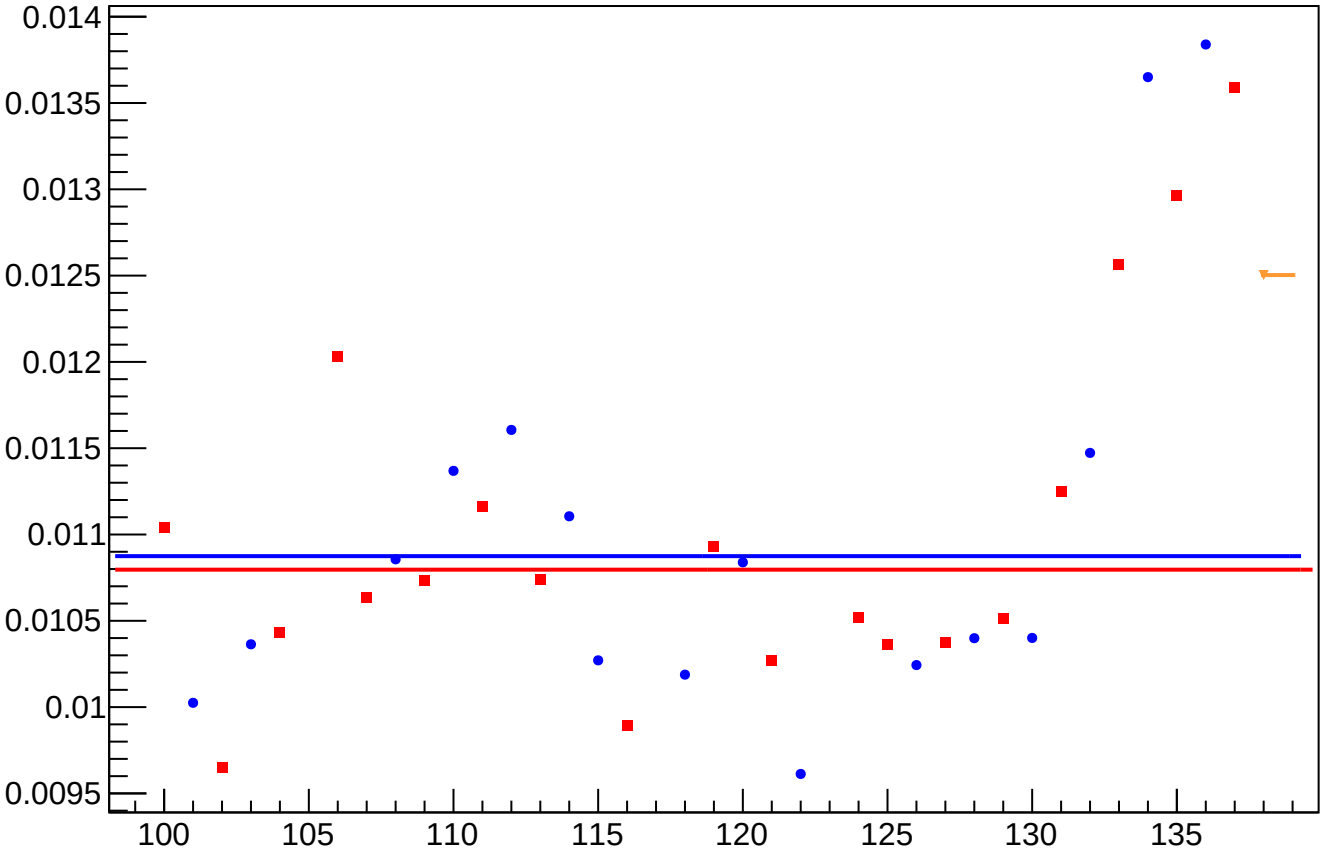
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.831+/-0.000 χ^2/NDF:7112259663.3/15

Out: -0.657+/-0.000 χ^2/NDF:27707997585.7/19

All: -0.739+/-0.000 χ^2/NDF: 35772727519.6/

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:0.0/0

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.000 χ^2/NDF: 0.0/0

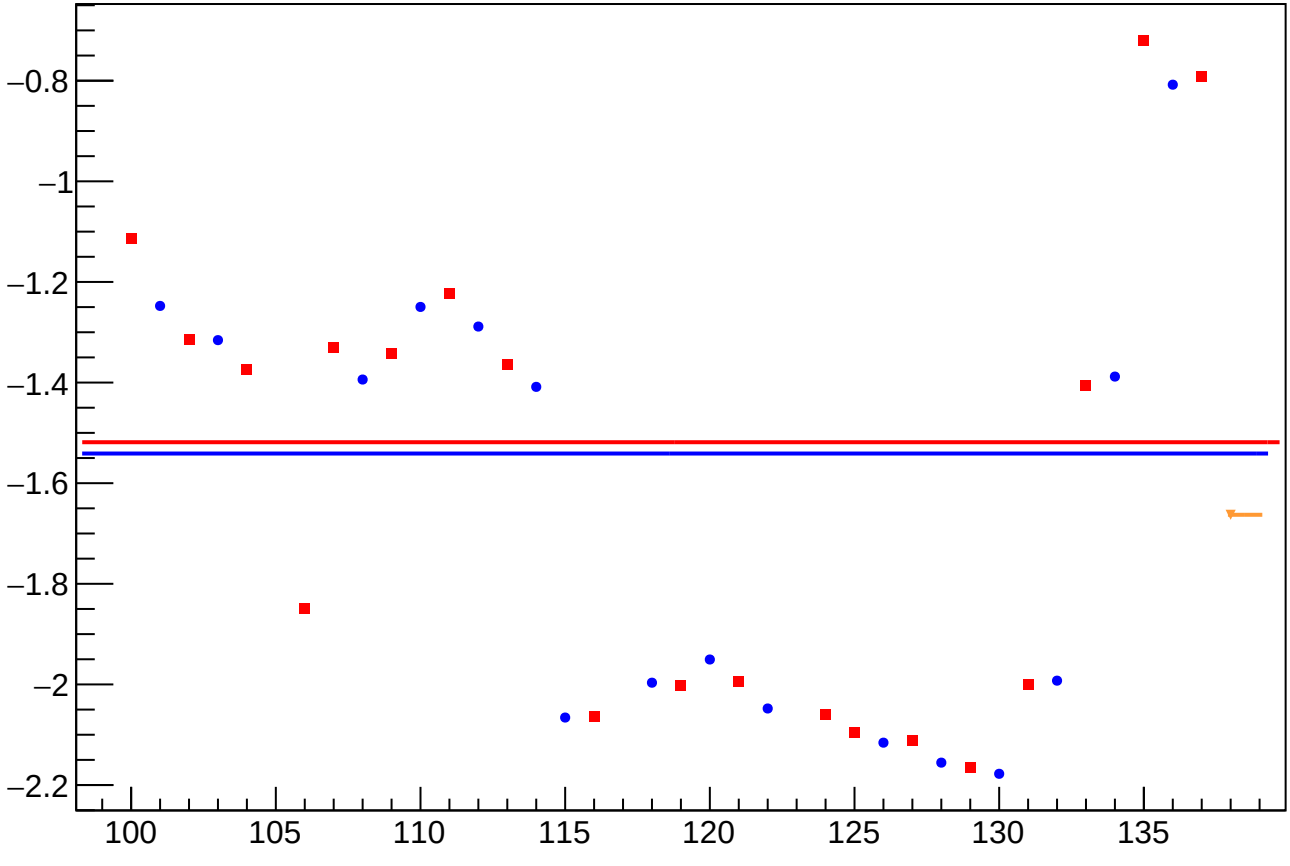
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.011+/-0.000 χ^2/NDF:157612.7/15

Out: 0.011+/-0.000 χ^2/NDF:125552.5/19

All: 0.011+/-0.000 χ^2/NDF: 283301.6/35

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.663+/-0.000 χ^2/NDF:0.0/0

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1.663+/-0.000 χ^2/NDF: 0.0/0

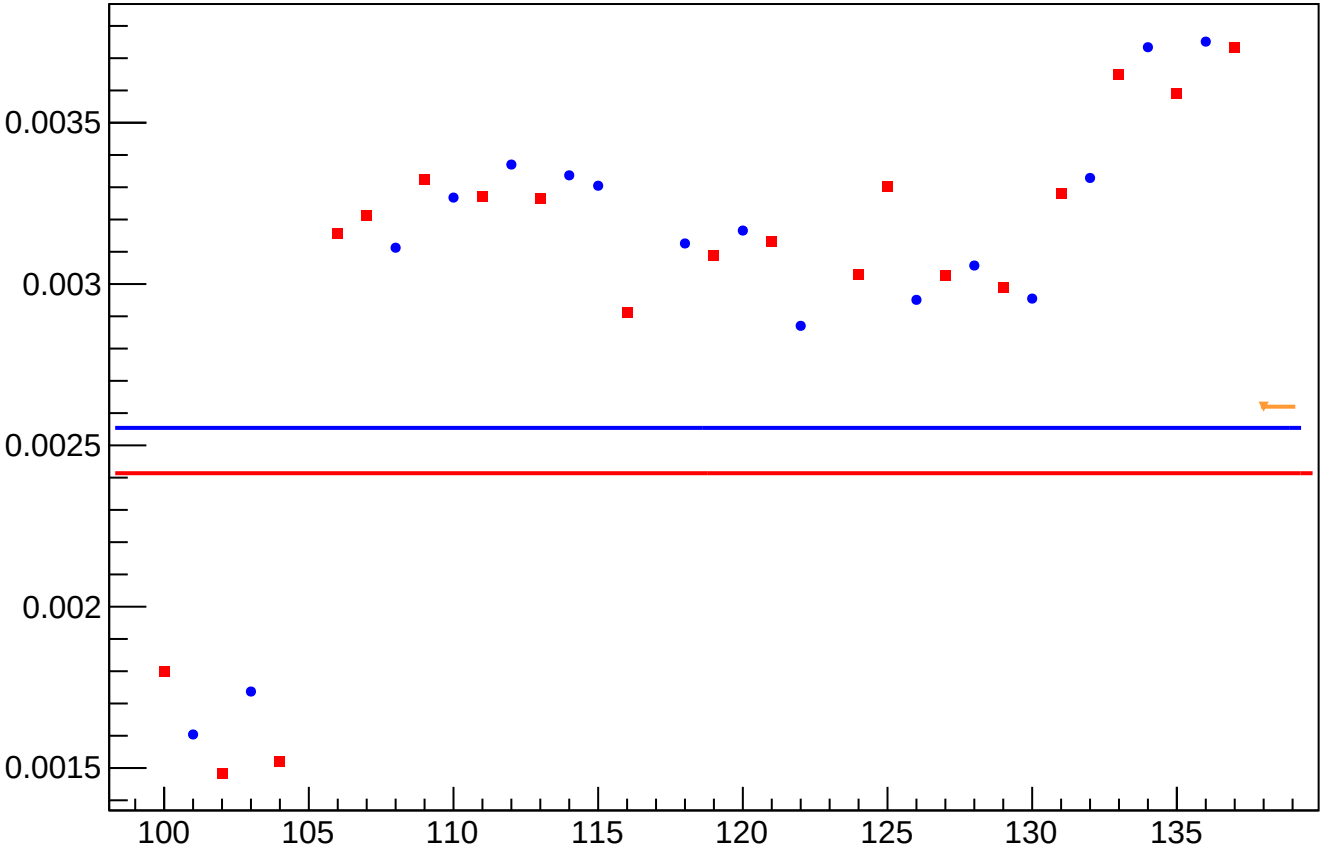
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -1.541+/-0.000 χ^2/NDF:162409397922.2/15

Out: -1.532+/-0.000 χ^2/NDF:147110240094.9/19

All: -1.536+/-0.000 χ^2/NDF: 309557497714.3

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

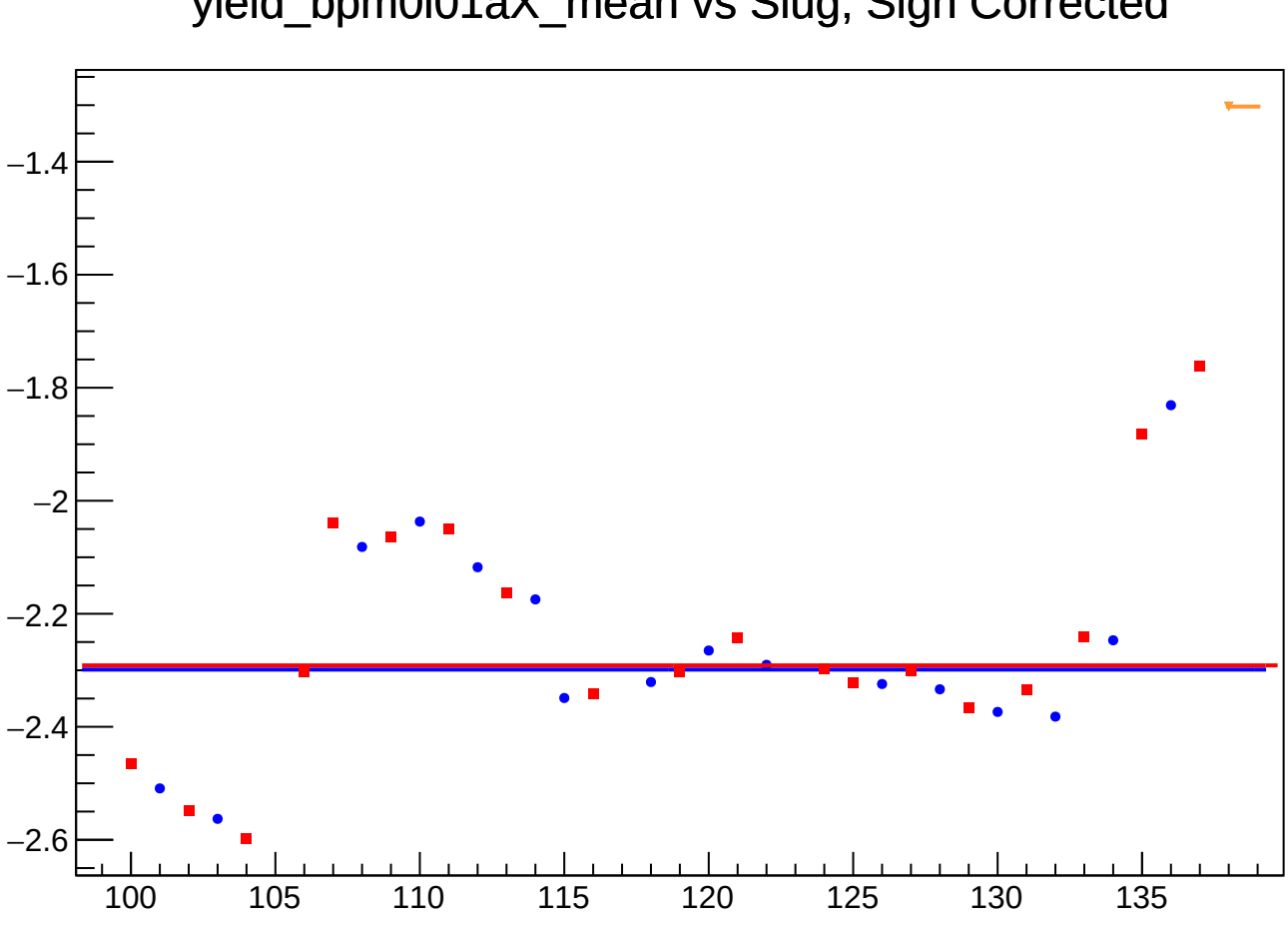
Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.003+/-0.000 χ^2/NDF:1172434.9/15

Out: 0.002+/-0.000 χ^2/NDF:1555139.8/19

All: 0.002+/-0.000 χ^2/NDF: 2742389.4/35



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.302+/-0.000 χ^2/NDF:0.0/0

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1.302+/-0.000 χ^2/NDF: 0.0/0

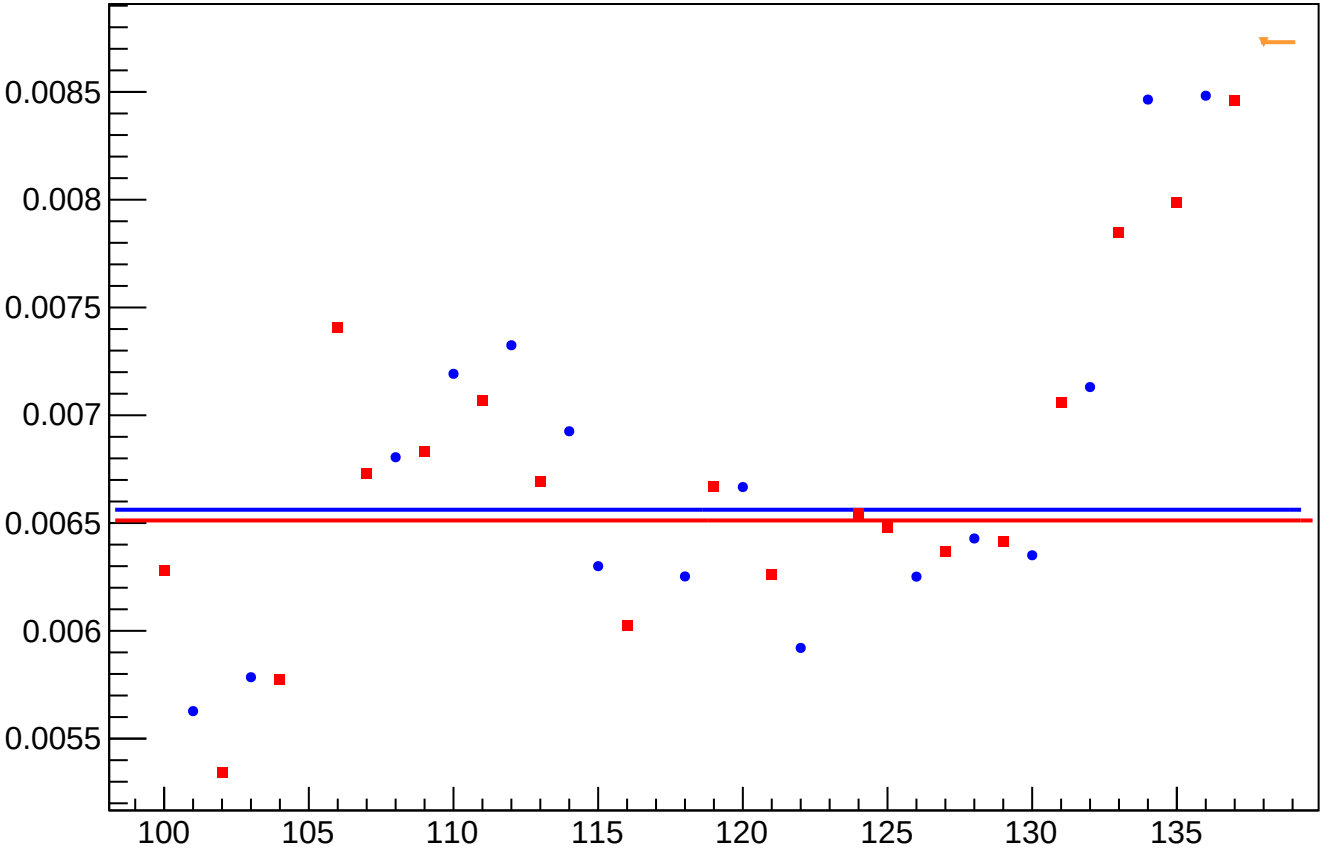
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -2.299+/-0.000 χ^2/NDF:6129071089.8/15

Out: -2.236+/-0.000 χ^2/NDF:16060602482.2/19

All: -2.266+/-0.000 χ^2/NDF: 22526577193.5/

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.009+/-0.000 χ^2/NDF: 0.0/0

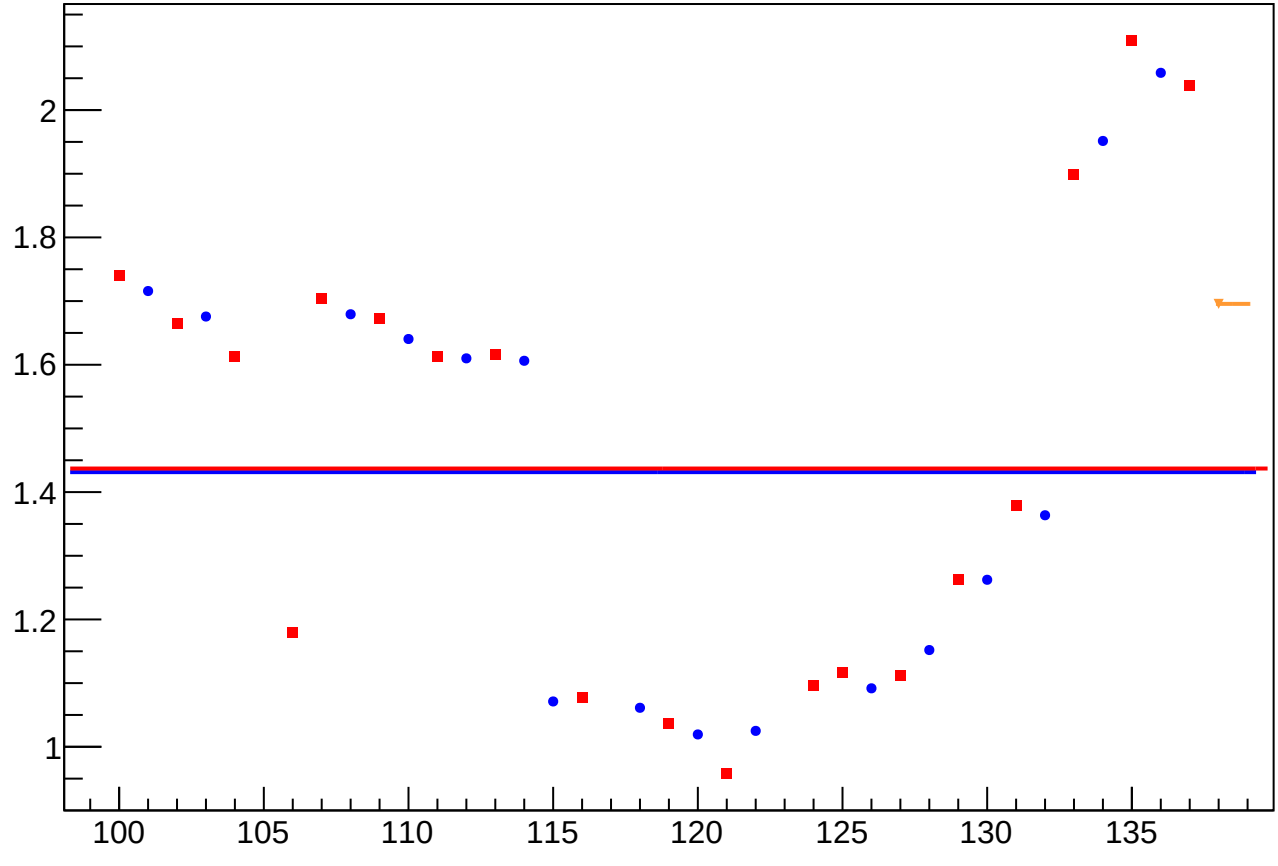
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.007+/-0.000 χ^2/NDF:221890.3/15

Out: 0.007+/-0.000 χ^2/NDF:277878.7/19

All: 0.007+/-0.000 χ^2/NDF: 500725.9/35

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.696+/-0.000 χ^2/NDF:0.0/0

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.696+/-0.000 χ^2/NDF: 0.0/0

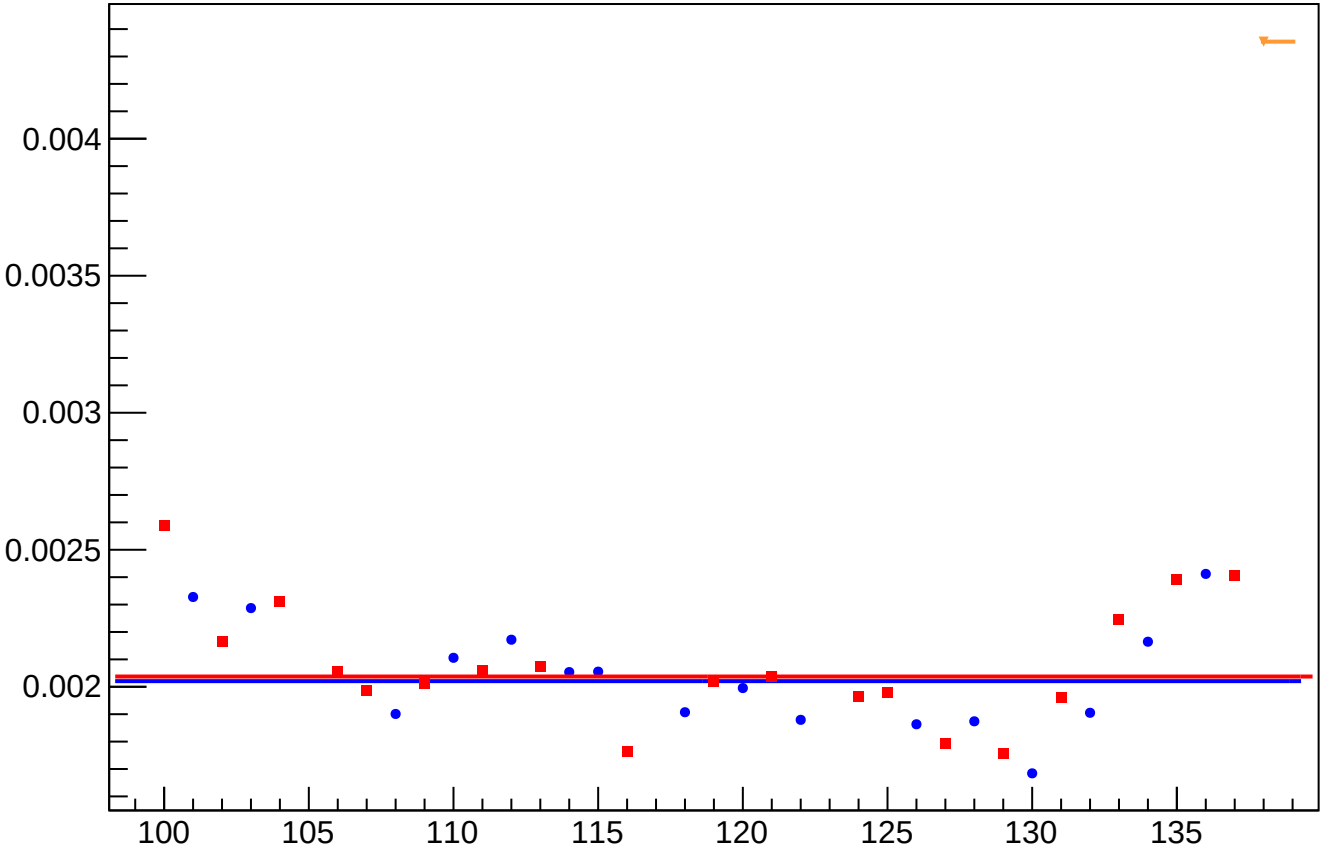
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.431+/-0.000 χ^2/NDF:189180734956.1/15

Out: 1.443+/-0.000 χ^2/NDF:184646561234.5/19

All: 1.437+/-0.000 χ^2/NDF: 373944063955.7

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

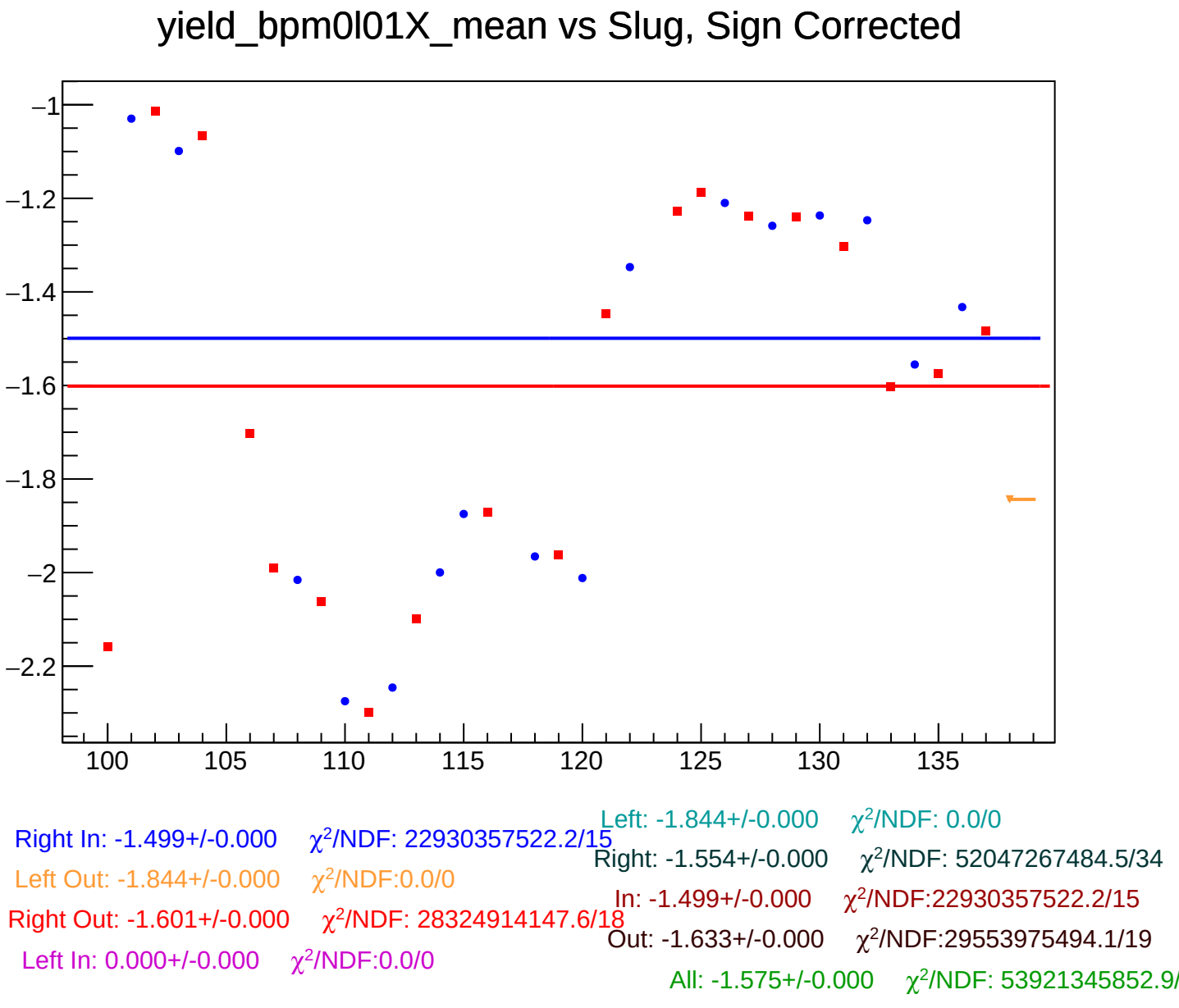
Left: 0.004+/-0.000 χ^2/NDF: 0.0/0

Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

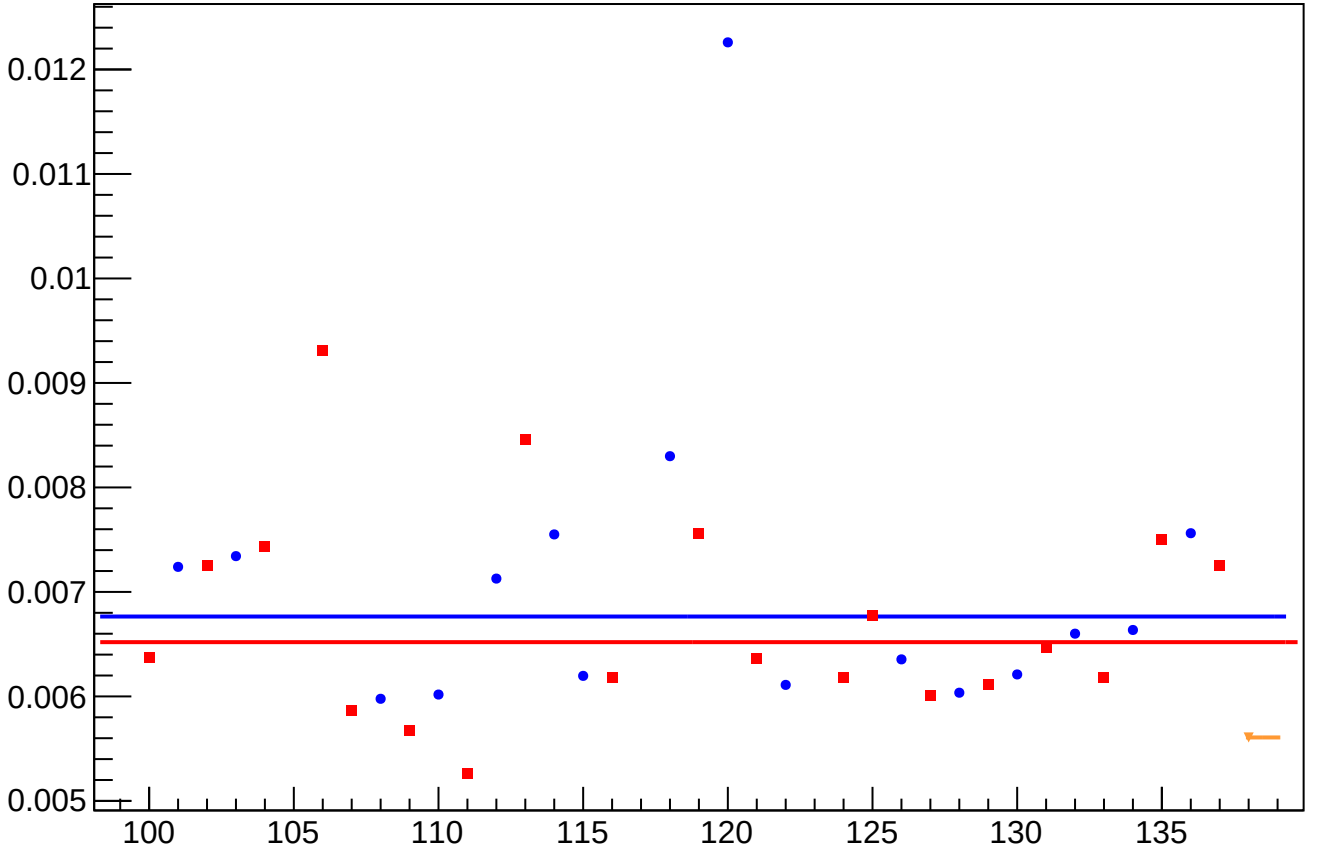
In: 0.002+/-0.000 χ^2/NDF:154923.3/15

Out: 0.002+/-0.000 χ^2/NDF:535450.8/19

All: 0.002+/-0.000 χ^2/NDF: 699078.1/35


yield_bpm0l01X_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
105
110
115
120
125
130
135
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.844+/-0.000 χ²/NDF:0.0/0
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -1.844+/-0.000 χ²/NDF: 0.0/0
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.499+/-0.000 χ²/NDF:22930357522.2/15
Out: -1.633+/-0.000 χ²/NDF:29553975494.1/19
All: -1.575+/-0.000 χ²/NDF: 53921345852.9/

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.006+/-0.000 χ^2/NDF: 0.0/0

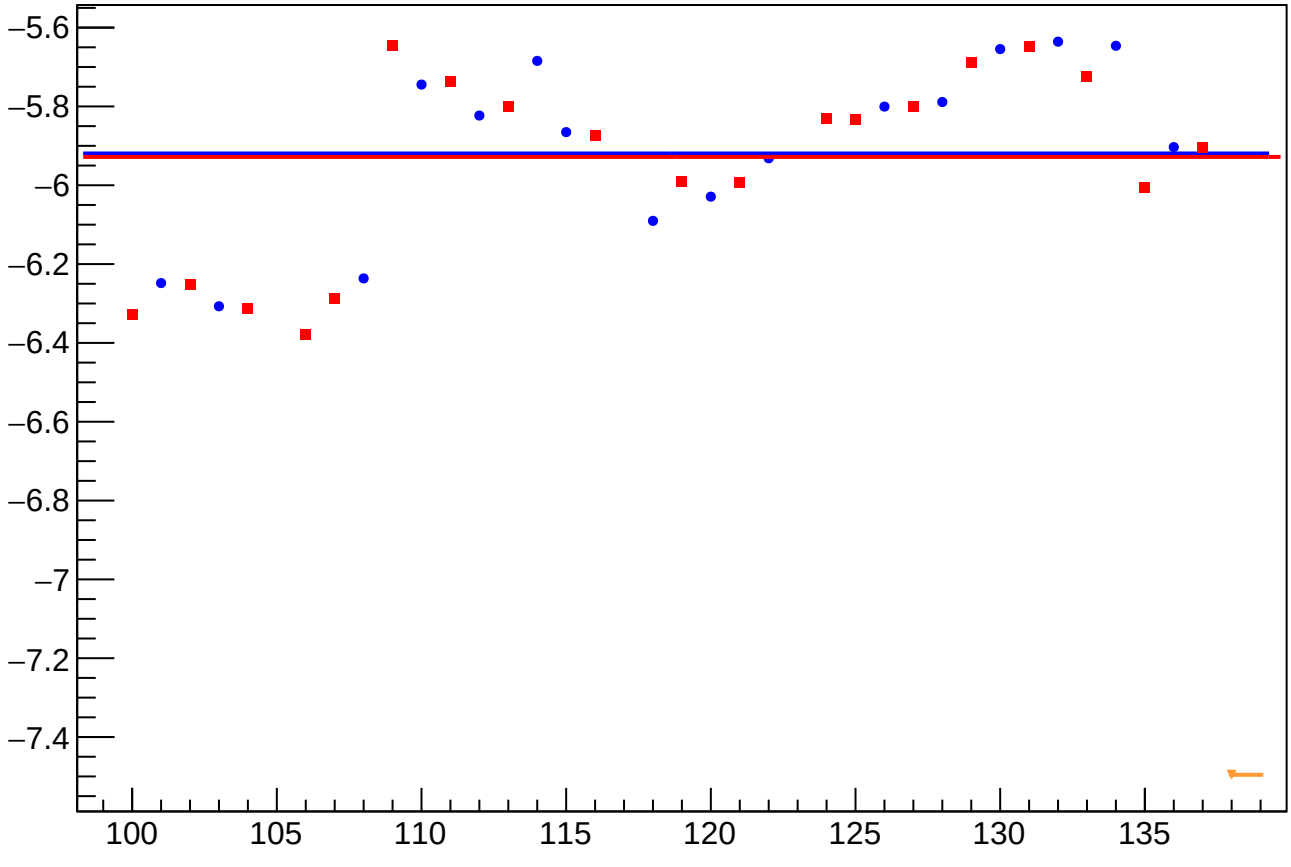
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:238566.1/15

Out: 0.006+/-0.000 χ^2/NDF:280324.4/19

All: 0.007+/-0.000 χ^2/NDF: 540122.2/35

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.496+/-0.000 χ^2/NDF:0.0/0

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -7.496+/-0.000 χ^2/NDF: 0.0/0

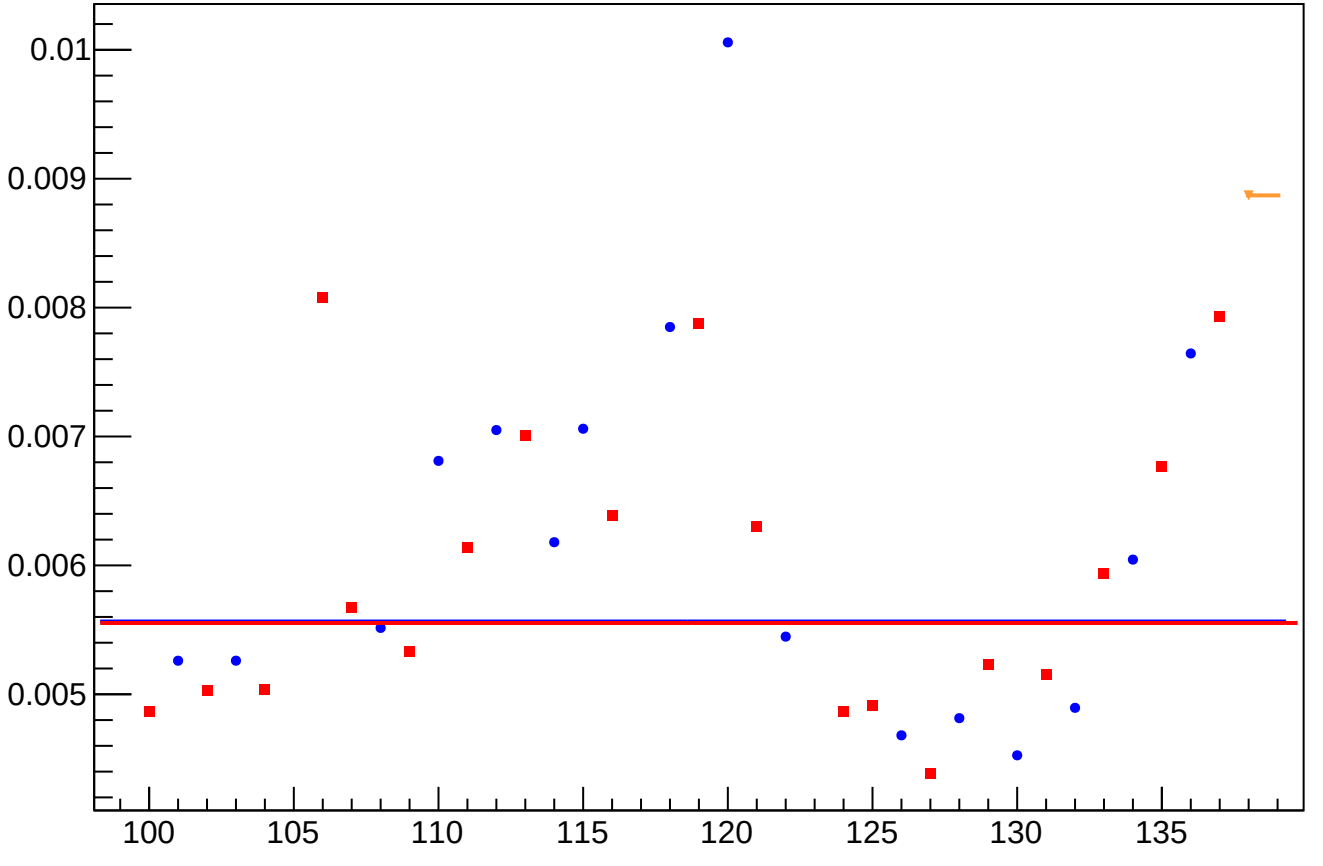
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -5.919+/-0.000 χ^2/NDF:11742457053.3/15

Out: -5.978+/-0.000 χ^2/NDF:28988145974.6/19

All: -5.950+/-0.000 χ^2/NDF: 41082056510.8/

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:0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

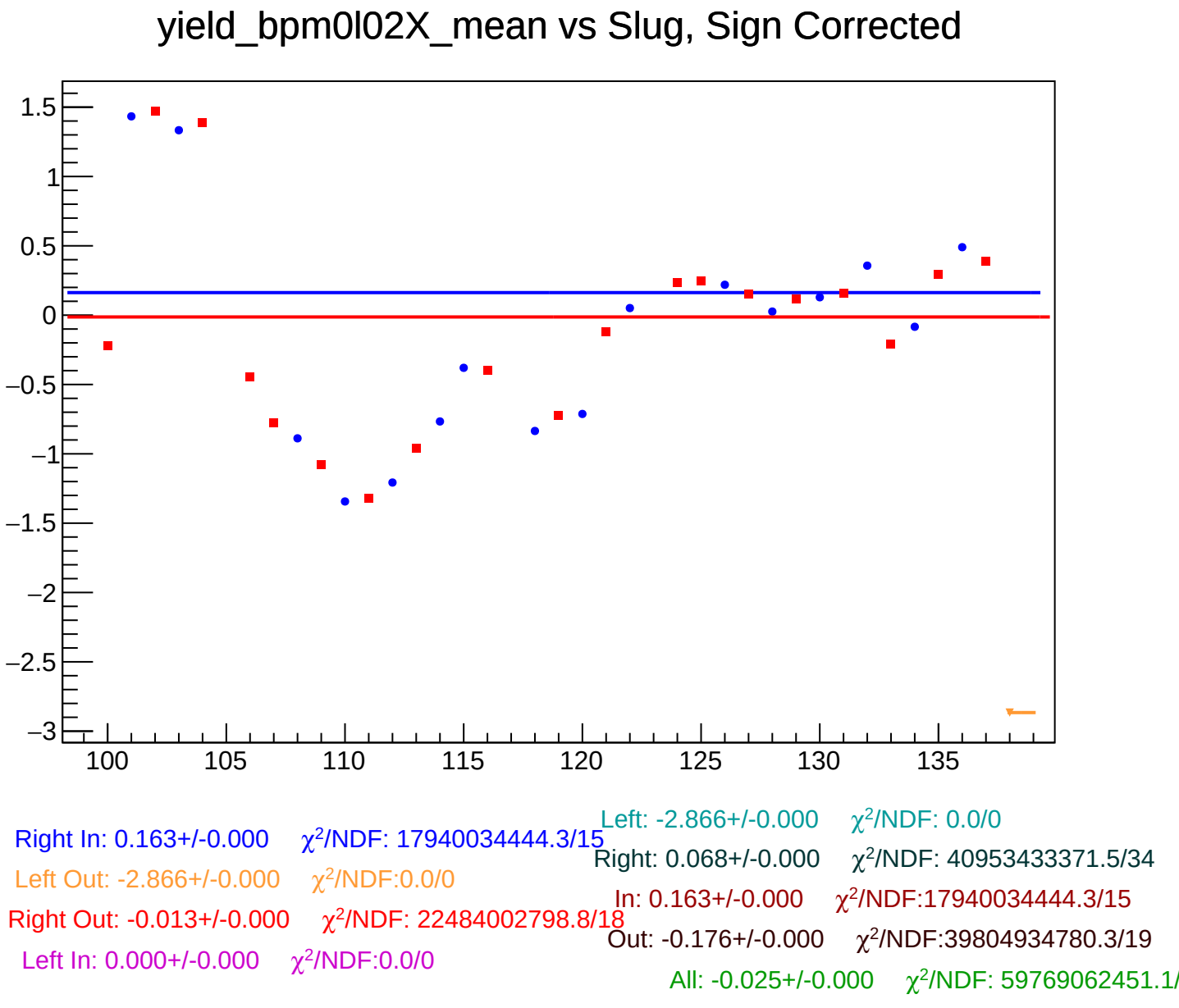
Left: 0.009+/-0.000 χ^2/NDF: 0.0/0

Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

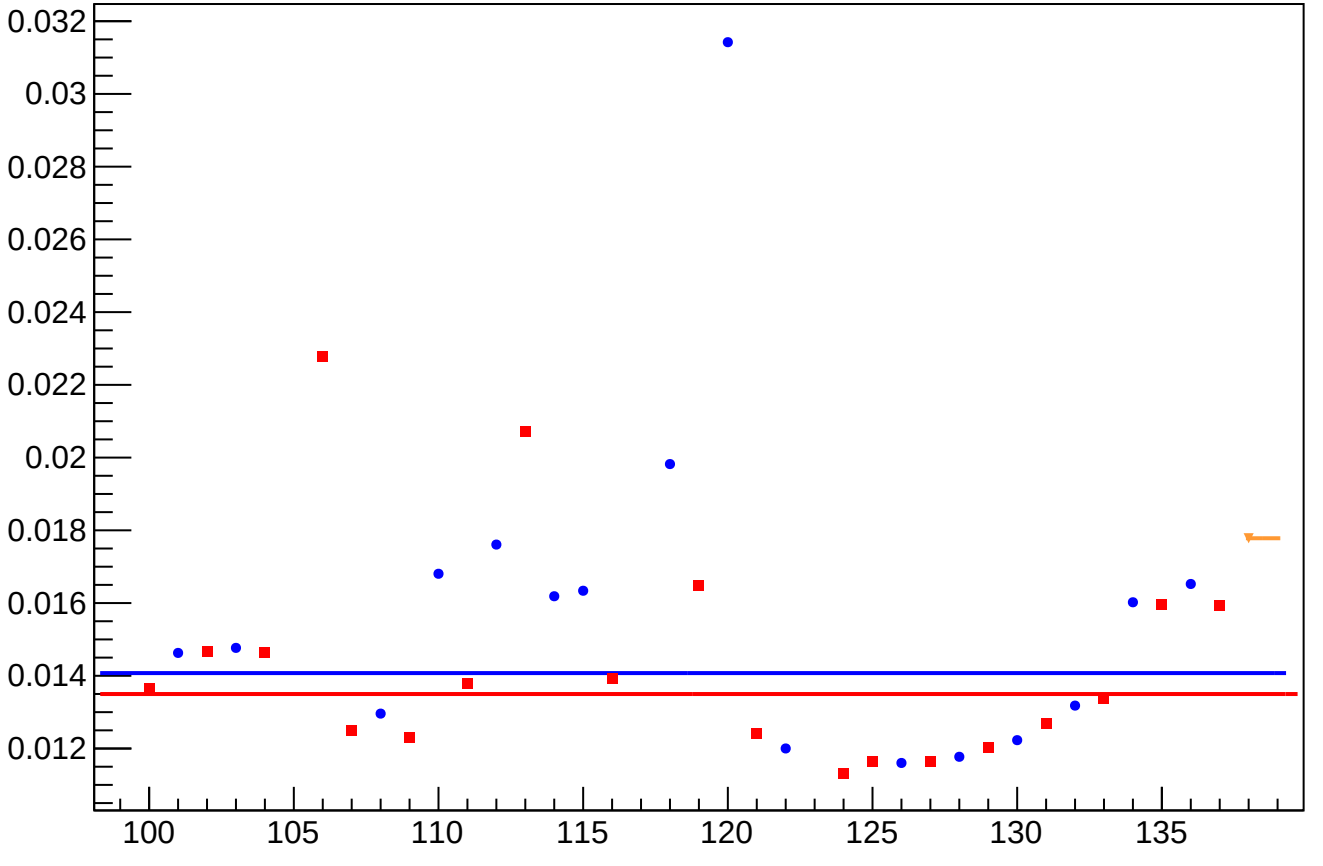
In: 0.006+/-0.000 χ^2/NDF:495546.3/15

Out: 0.006+/-0.000 χ^2/NDF:510947.8/19

All: 0.006+/-0.000 χ^2/NDF: 1008311.5/35


yield_bpm0l02X_mean vs Slug, Sign Corrected
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
100
105
110
115
120
125
130
135
Right In: 0.163+/-0.000 χ²/NDF: 17940034444.3/15
Left Out: -2.866+/-0.000 χ²/NDF:0.0/0
Right Out: -0.013+/-0.000 χ²/NDF: 22484002798.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -2.866+/-0.000 χ²/NDF: 0.0/0
Right: 0.068+/-0.000 χ²/NDF: 40953433371.5/34
In: 0.163+/-0.000 χ²/NDF:17940034444.3/15
Out: -0.176+/-0.000 χ²/NDF:39804934780.3/19
All: -0.025+/-0.000 χ²/NDF: 59769062451.1/

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.018+/-0.000 χ^2/NDF: 0.0/0

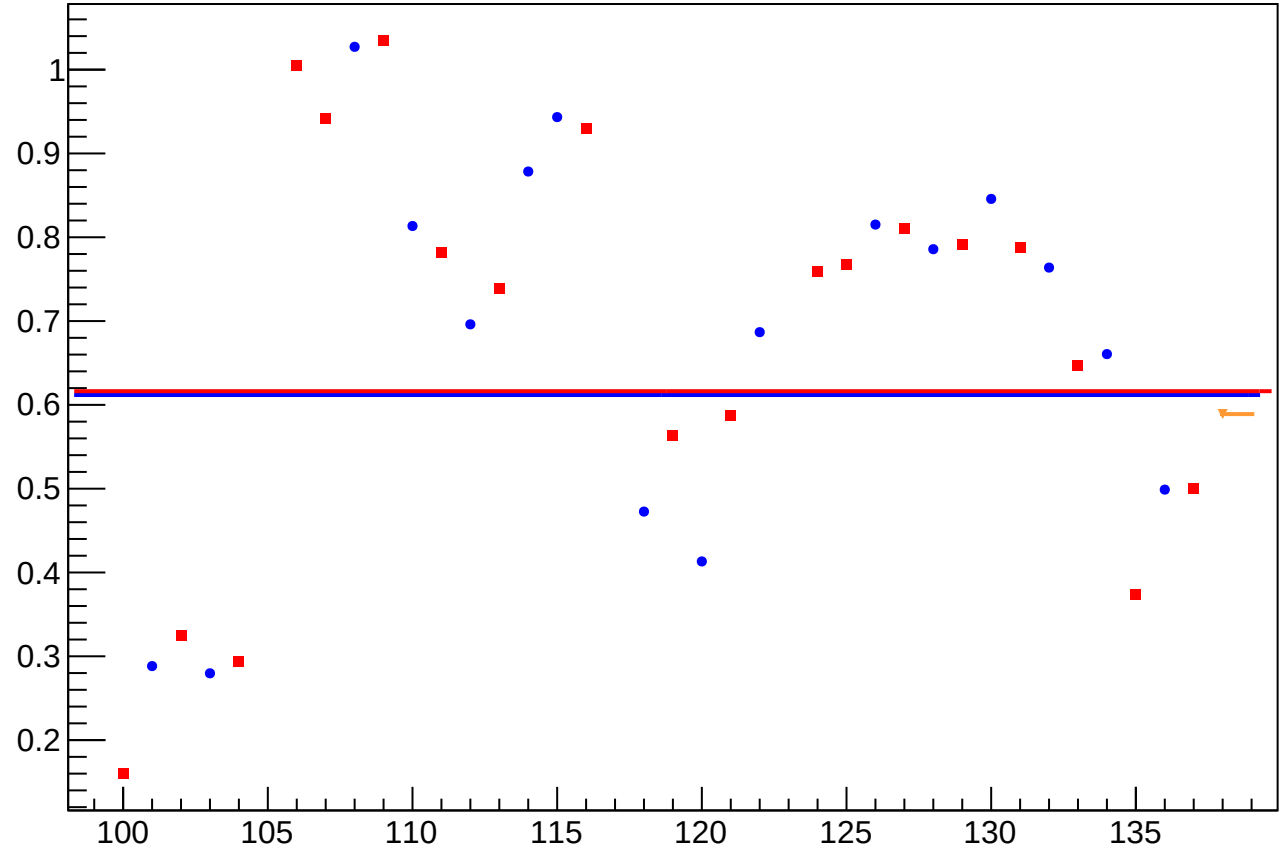
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.014+/-0.000 χ^2/NDF:465421.6/15

Out: 0.014+/-0.000 χ^2/NDF:392908.5/19

All: 0.014+/-0.000 χ^2/NDF: 862180.1/35

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.589+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.589+/-0.000 χ^2/NDF: 0.0/0

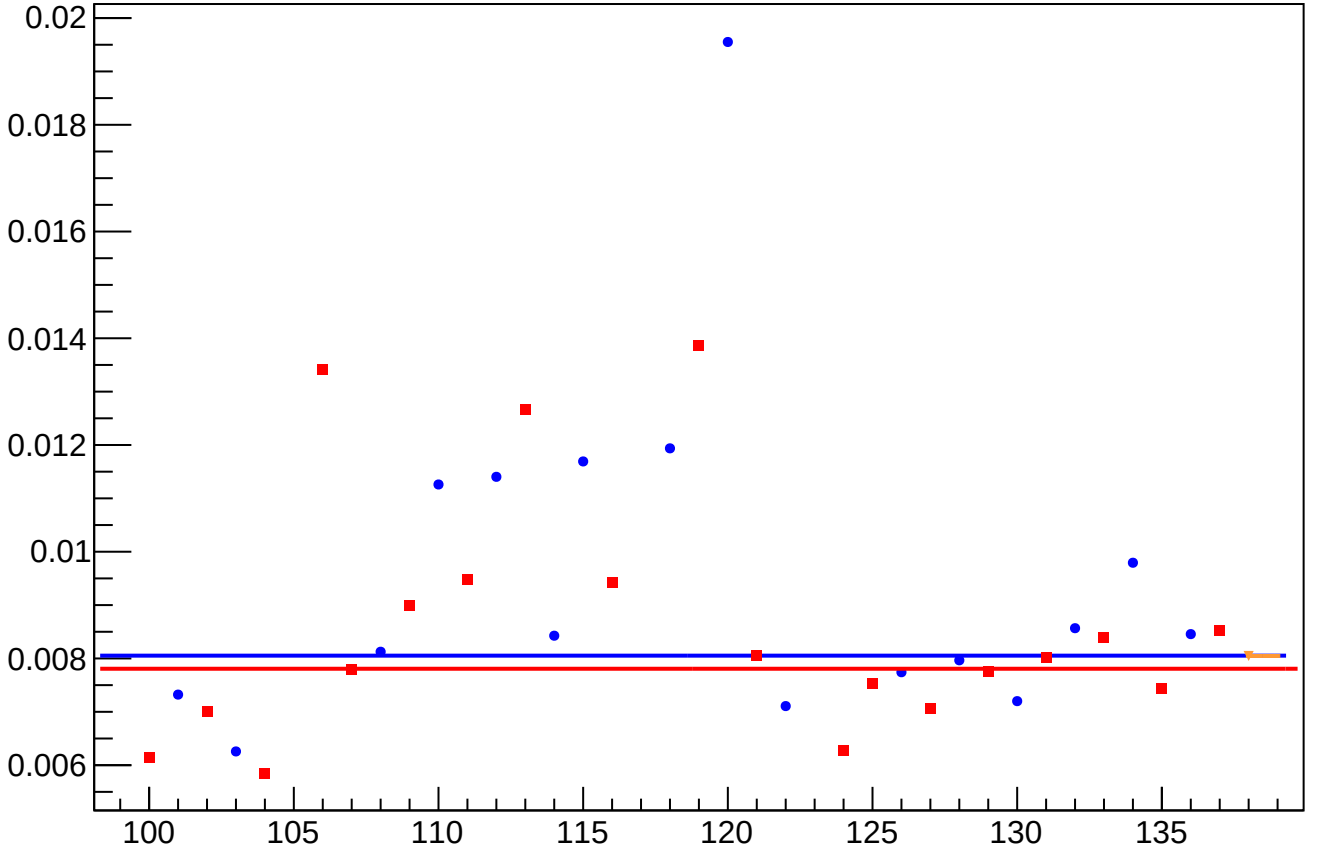
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.612+/-0.000 χ^2/NDF:5639014502.0/15

Out: 0.614+/-0.000 χ^2/NDF:6426189014.6/19

All: 0.613+/-0.000 χ^2/NDF: 12065463970.8/3

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:0.0/0

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

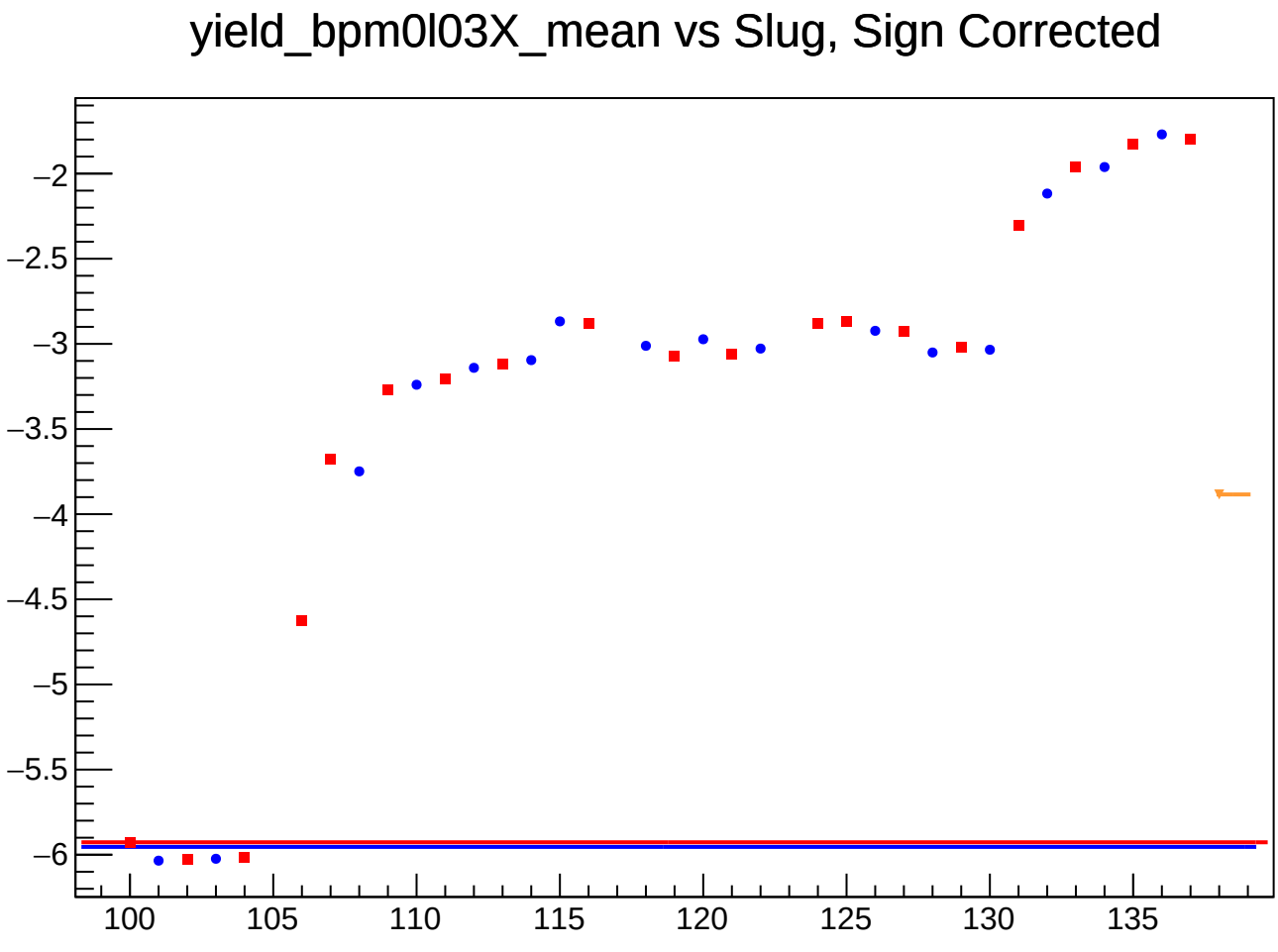
Left: 0.008+/-0.000 χ^2/NDF: 0.0/0

Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

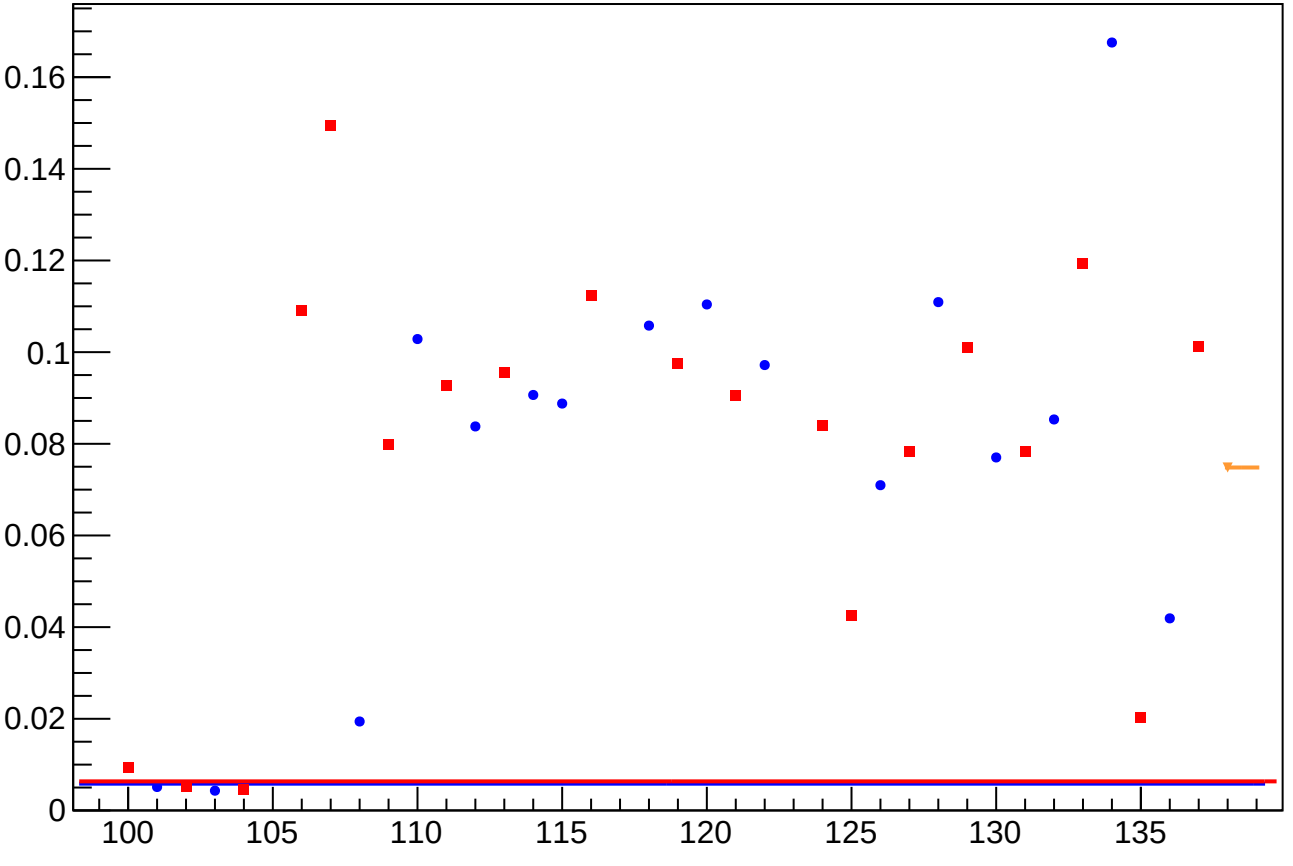
In: 0.008+/-0.000 χ^2/NDF:598309.5/15

Out: 0.008+/-0.000 χ^2/NDF:588183.1/19

All: 0.008+/-0.000 χ^2/NDF: 1191753.1/35


yield_bpm0l03X_mean vs Slug, Sign Corrected
−2
−2.5
−3
−3.5
−4
−4.5
−5
−5.5
−6
100
105
110
115
120
125
130
135
Right In: -5.954+/-0.000 χ²/NDF: 13099475661.5/15
Left Out: -3.884+/-0.000 χ²/NDF:0.0/0
Right Out: -5.927+/-0.000 χ²/NDF: 13922819741.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -3.884+/-0.000 χ²/NDF: 0.0/0
Right: -5.942+/-0.000 χ²/NDF: 27039435928.9/34
In: -5.954+/-0.000 χ²/NDF:13099475661.5/15
Out: -5.921+/-0.000 χ²/NDF:14420368897.8/19
All: -5.939+/-0.000 χ²/NDF: 27545059007.9/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.075+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.075+/-0.000 χ^2/NDF: 0.0/0

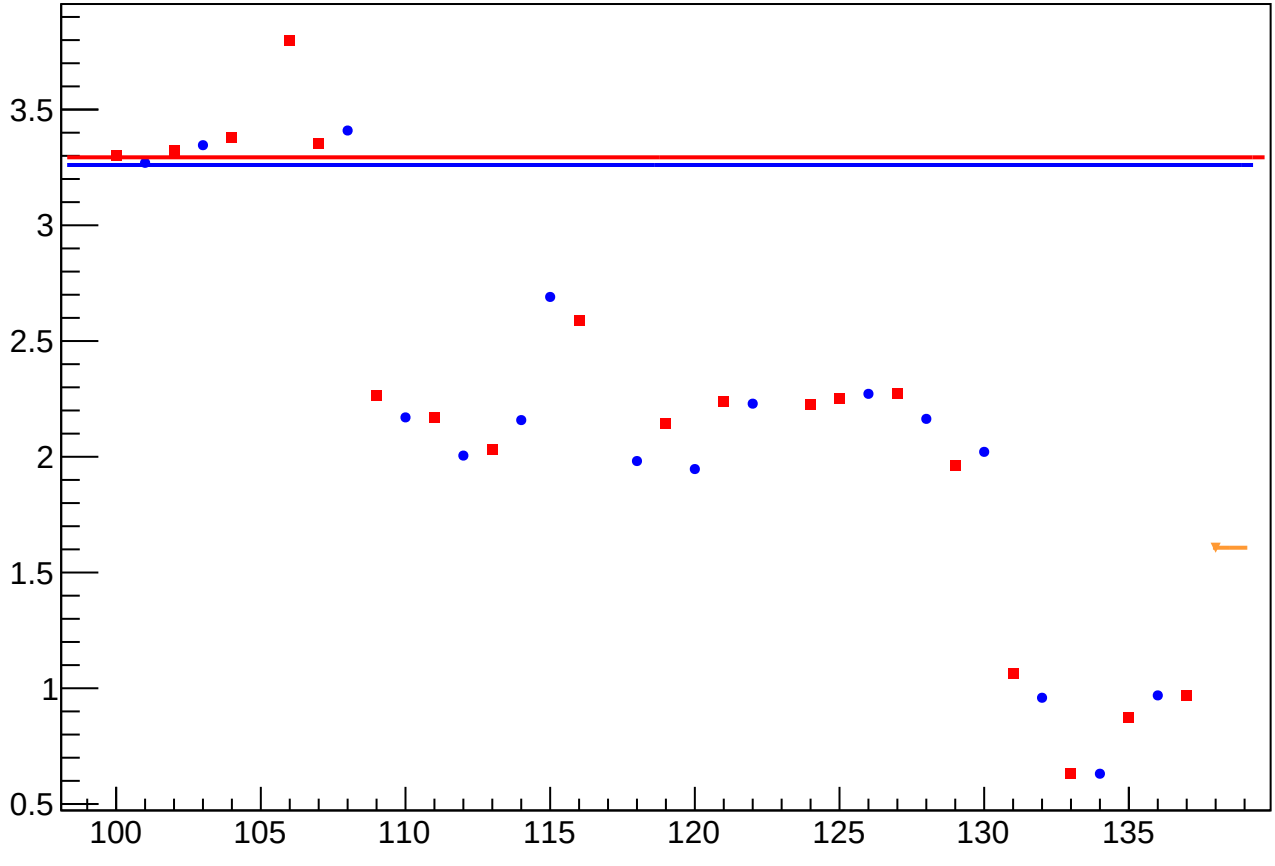
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.006+/-0.000 χ^2/NDF:8700553.3/15

Out: 0.007+/-0.000 χ^2/NDF:9870383.9/19

All: 0.006+/-0.000 χ^2/NDF: 18593312.5/35

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.607+/-0.000 χ^2/NDF:0.0/0

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

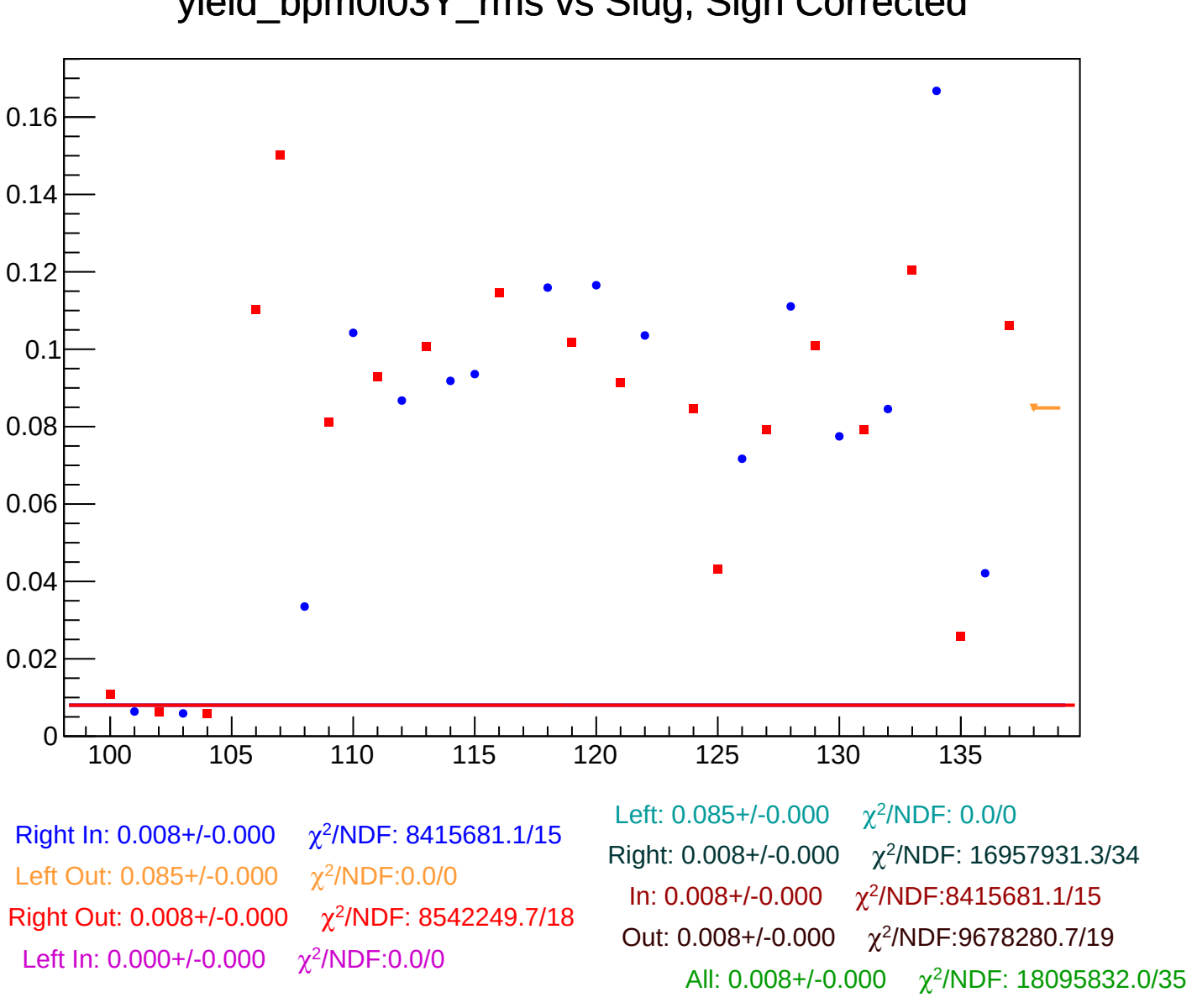
Left: 1.607+/-0.000 χ^2/NDF: 0.0/0

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

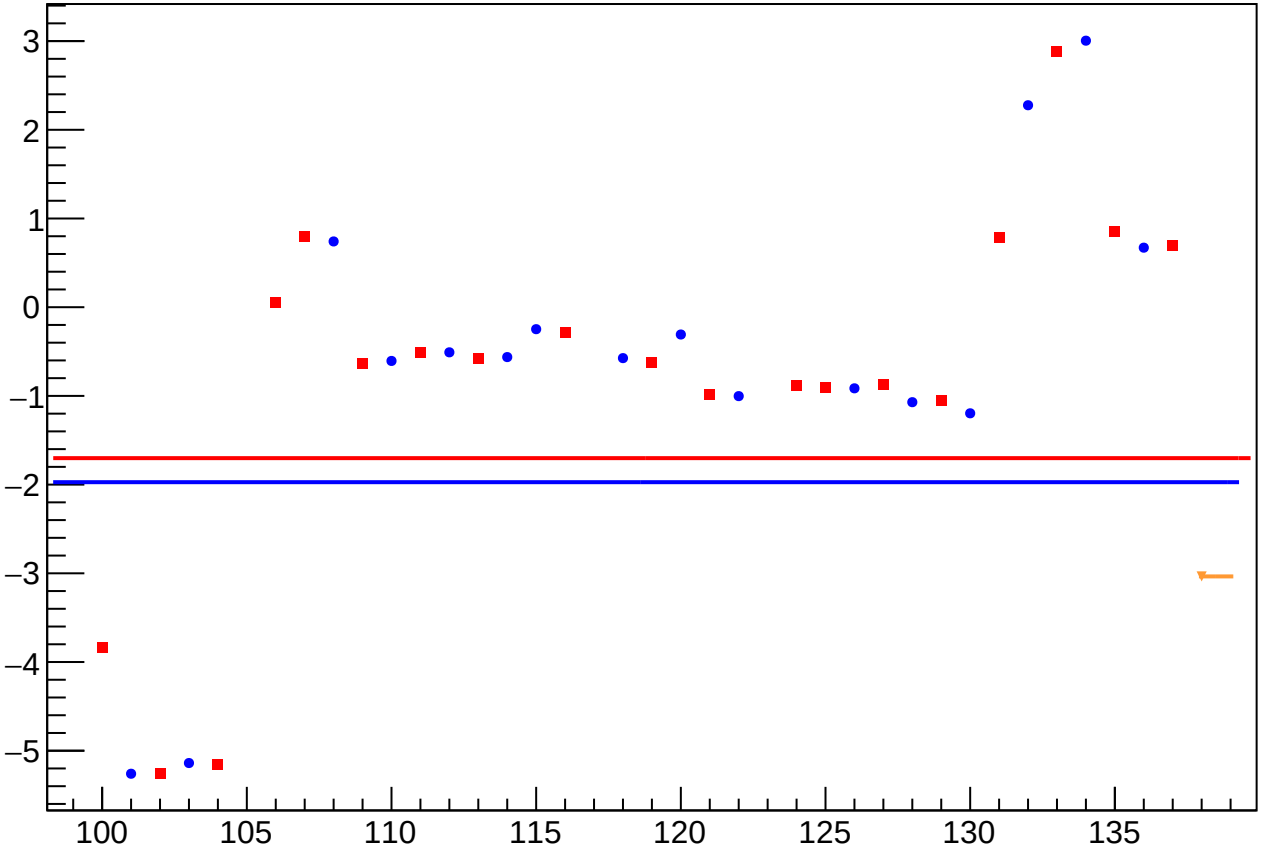
In: 3.260+/-0.000 χ^2/NDF:3009624113.9/15

Out: 3.288+/-0.000 χ^2/NDF:3517544574.4/19

All: 3.274+/-0.000 χ^2/NDF: 6538674441.6/35


yield_bpm0l03Y_rms vs Slug, Sign Corrected
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
105
110
115
120
125
130
135
Right In: 0.008+/-0.000 χ²/NDF: 8415681.1/15
Left Out: 0.085+/-0.000 χ²/NDF:0.0/0
Right Out: 0.008+/-0.000 χ²/NDF: 8542249.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.085+/-0.000 χ²/NDF: 0.0/0
Right: 0.008+/-0.000 χ²/NDF: 16957931.3/34
In: 0.008+/-0.000 χ²/NDF:8415681.1/15
Out: 0.008+/-0.000 χ²/NDF:9678280.7/19
All: 0.008+/-0.000 χ²/NDF: 18095832.0/35

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.035+/-0.000 χ^2/NDF:0.0/0

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -3.035+/-0.000 χ^2/NDF: 0.0/0

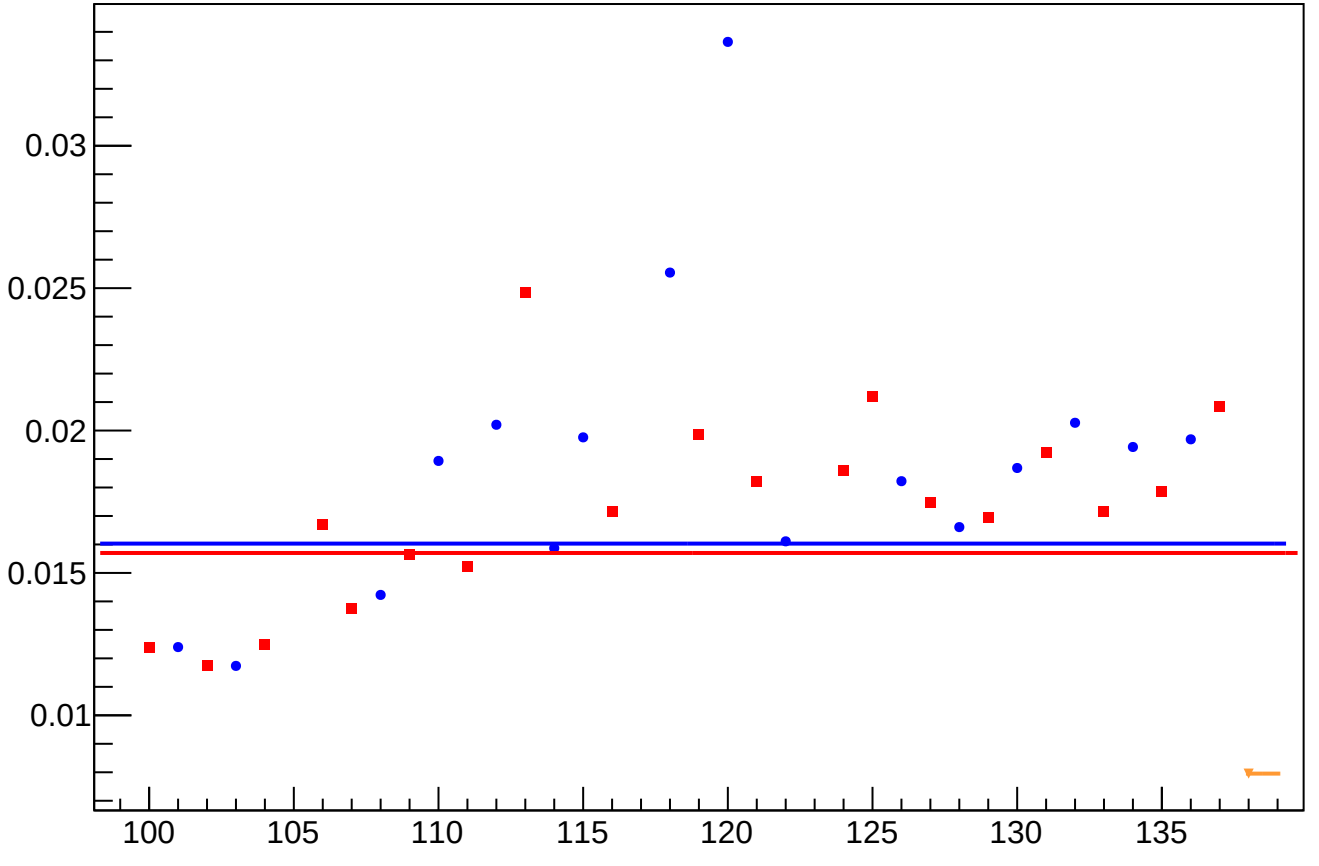
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -1.973+/-0.000 χ^2/NDF:161975701237.3/15

Out: -2.115+/-0.000 χ^2/NDF:182399211054.7/19

All: -2.061+/-0.000 χ^2/NDF: 344661153122.0

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.008+/-0.000 χ^2/NDF: 0.0/0

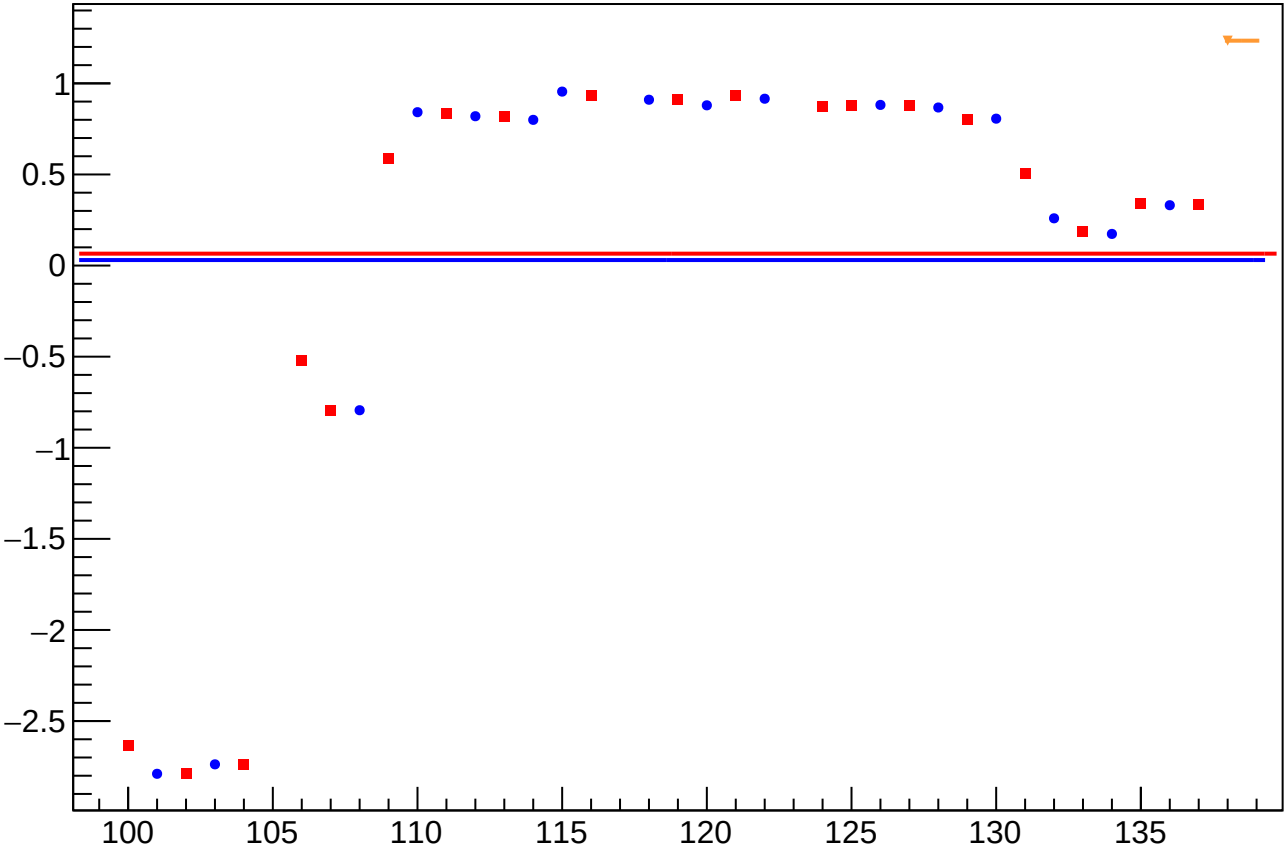
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.016+/-0.000 χ^2/NDF:735736.8/15

Out: 0.013+/-0.000 χ^2/NDF:1466419.9/19

All: 0.014+/-0.000 χ^2/NDF: 2412792.8/35

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.234+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.234+/-0.000 χ^2/NDF: 0.0/0

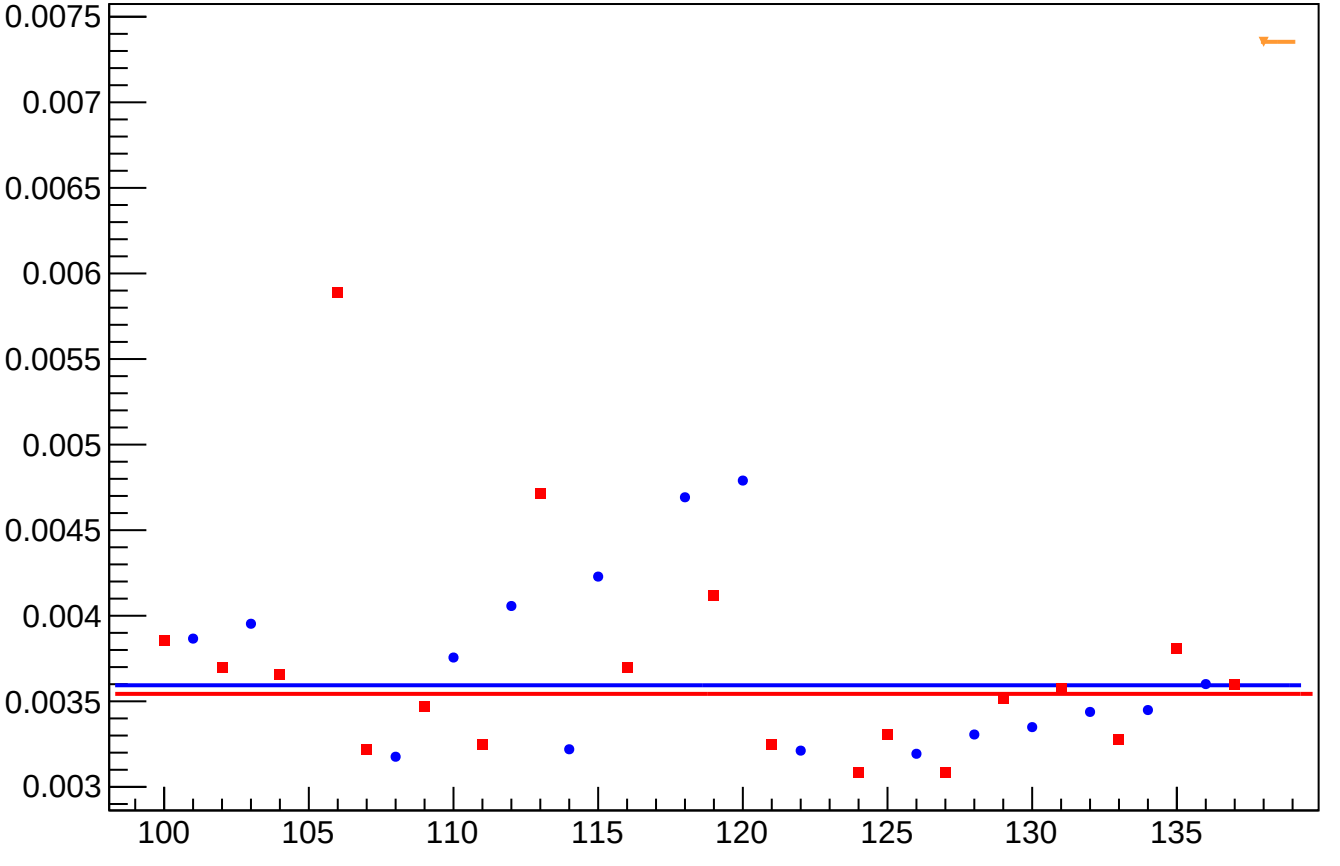
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.030+/-0.000 χ^2/NDF:851677270962.0/15

Out: 0.088+/-0.000 χ^2/NDF:950294894941.6/19

All: 0.060+/-0.000 χ^2/NDF: 1802879958296.

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:0.0/0

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.007+/-0.000 χ^2/NDF: 0.0/0

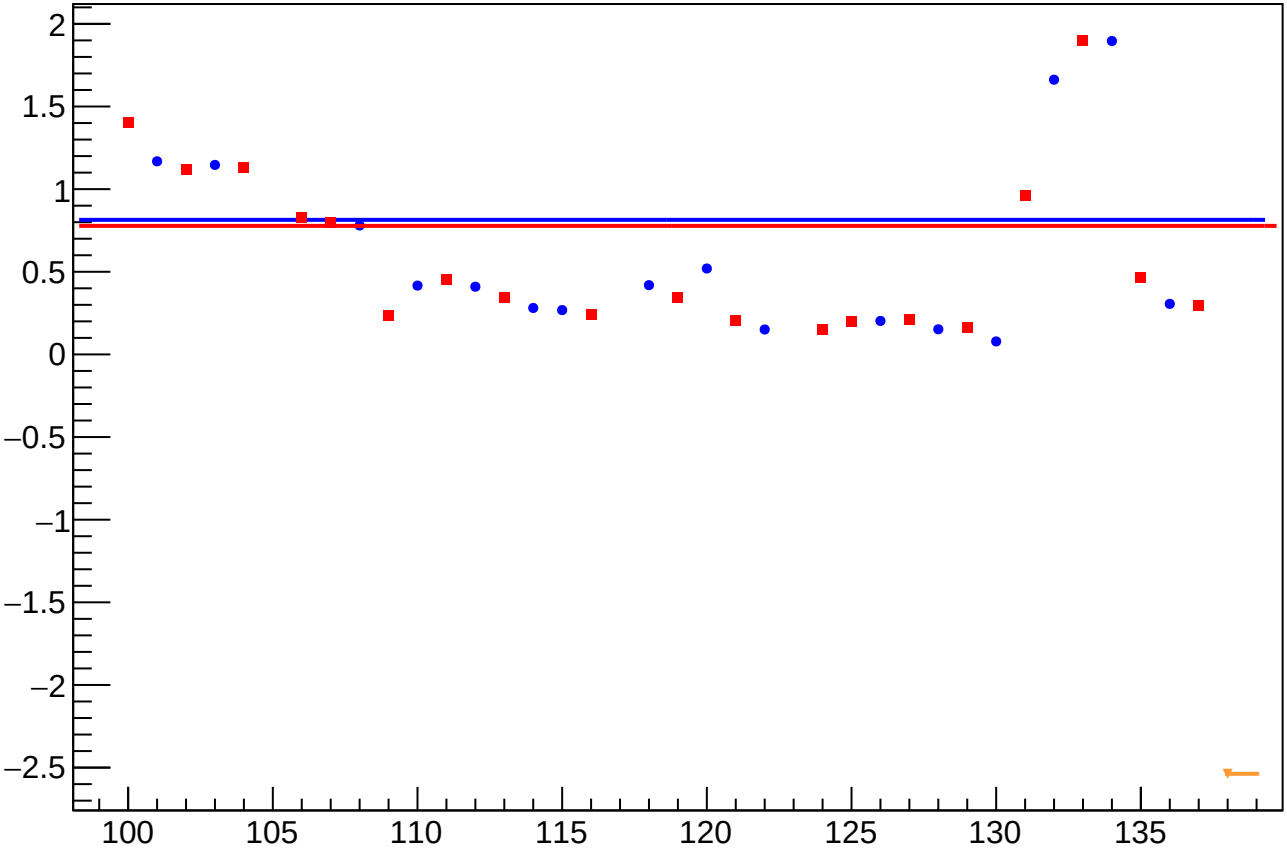
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:180415.0/15

Out: 0.004+/-0.000 χ^2/NDF:539502.8/19

All: 0.004+/-0.000 χ^2/NDF: 720219.2/35

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -2.537+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -2.537+/-0.000 χ^2/NDF: 0.0/0

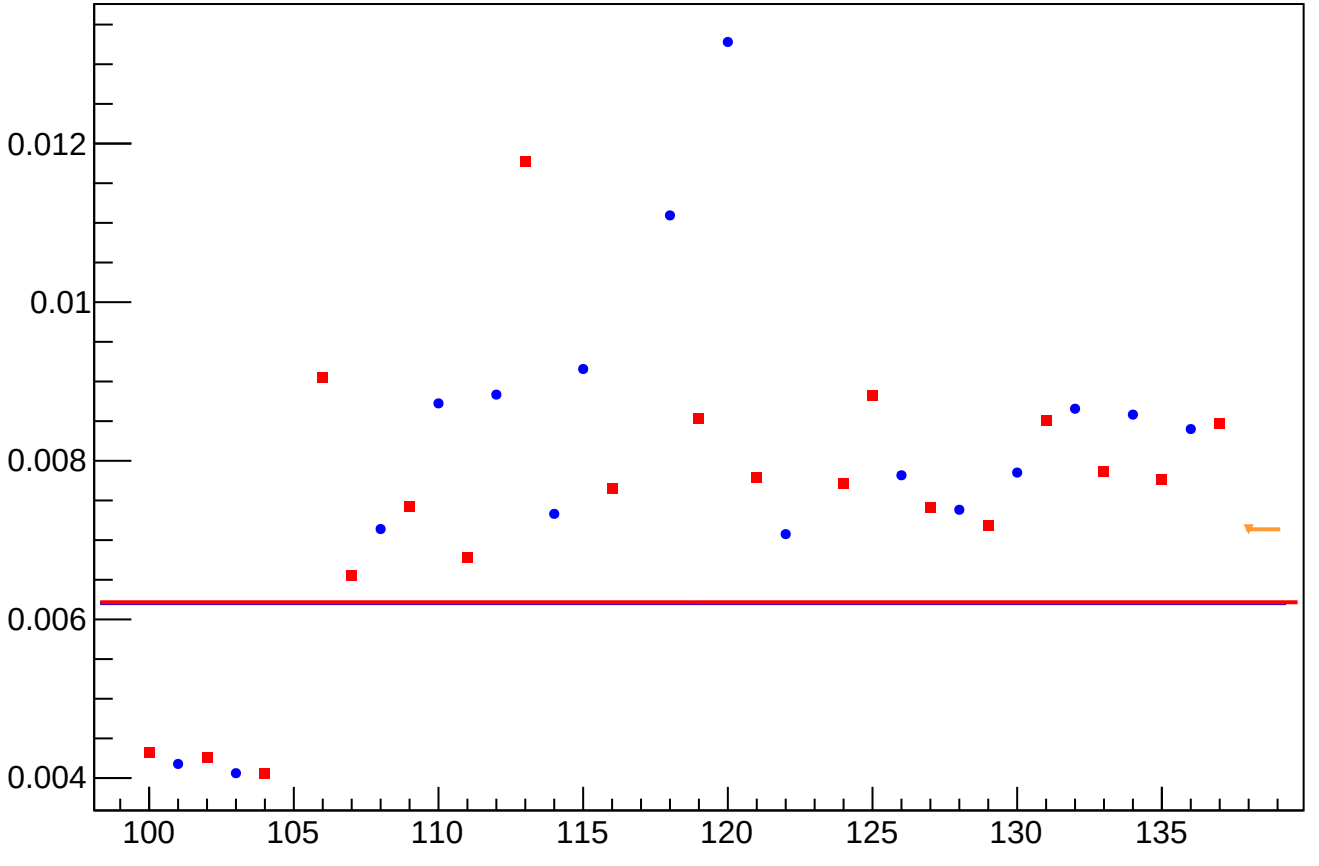
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.814+/-0.000 χ^2/NDF:35412149008.2/15

Out: 0.536+/-0.000 χ^2/NDF:159149103333.4/19

All: 0.665+/-0.000 χ^2/NDF: 200562294336.8

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:0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.007+/-0.000 χ^2/NDF: 0.0/0

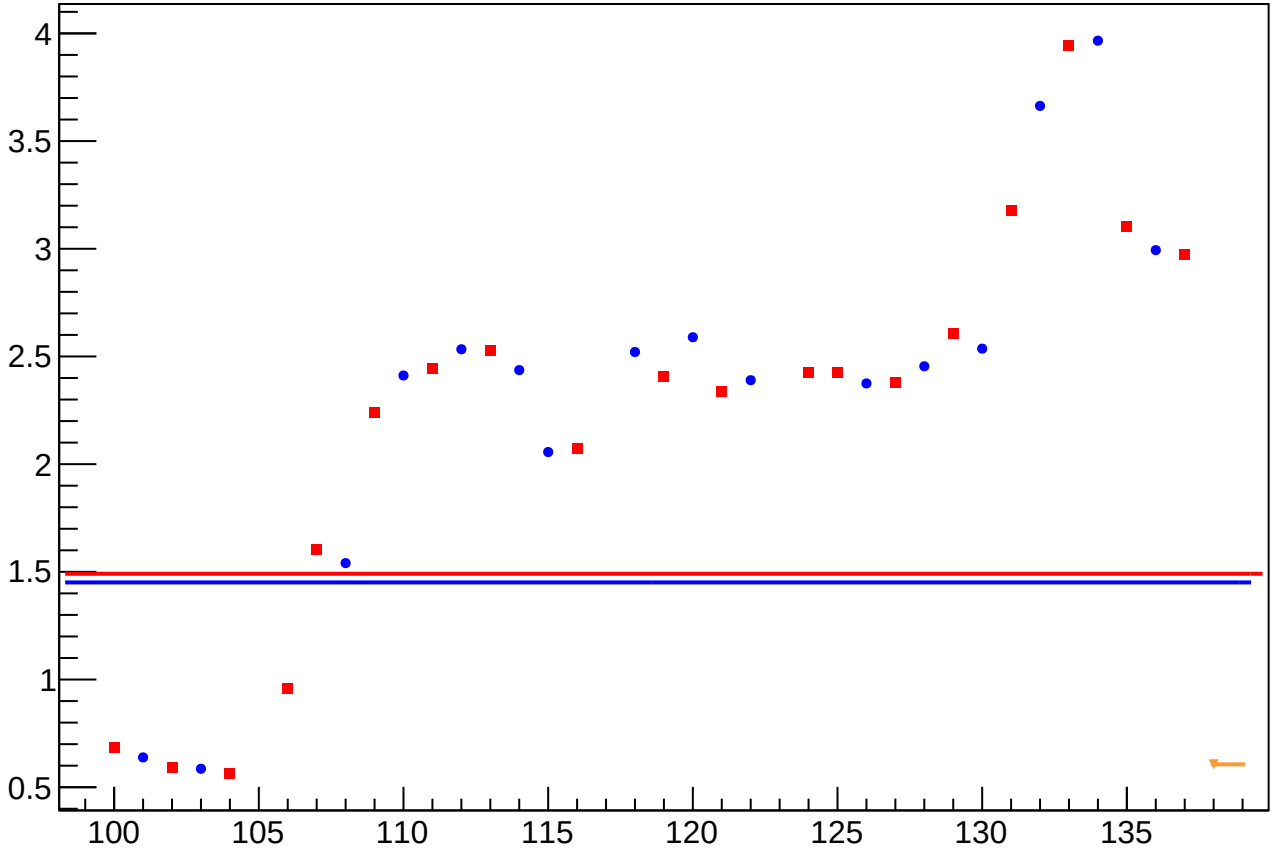
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1423886.1/15

Out: 0.006+/-0.000 χ^2/NDF:1180286.9/19

All: 0.006+/-0.000 χ^2/NDF: 2605101.6/35

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.606+/-0.000 χ^2/NDF:0.0/0

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

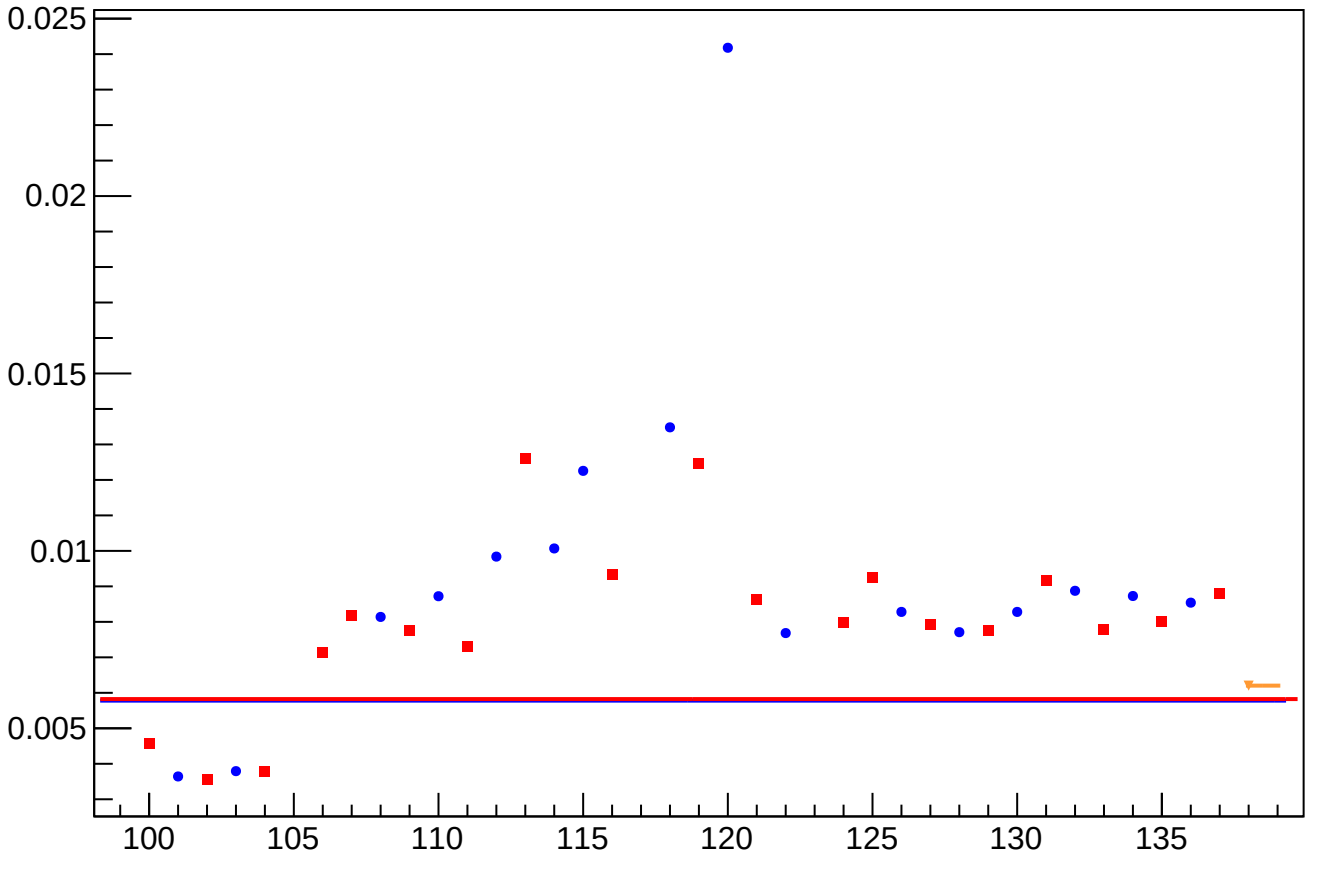
Left: 0.606+/-0.000 χ^2/NDF: 0.0/0

Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.451+/-0.000 χ^2/NDF:169635774704.4/15

Out: 1.418+/-0.000 χ^2/NDF:197469684167.4/19

All: 1.433+/-0.000 χ^2/NDF: 367195617036.8



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.006+/-0.000 χ^2/NDF: 0.0/0

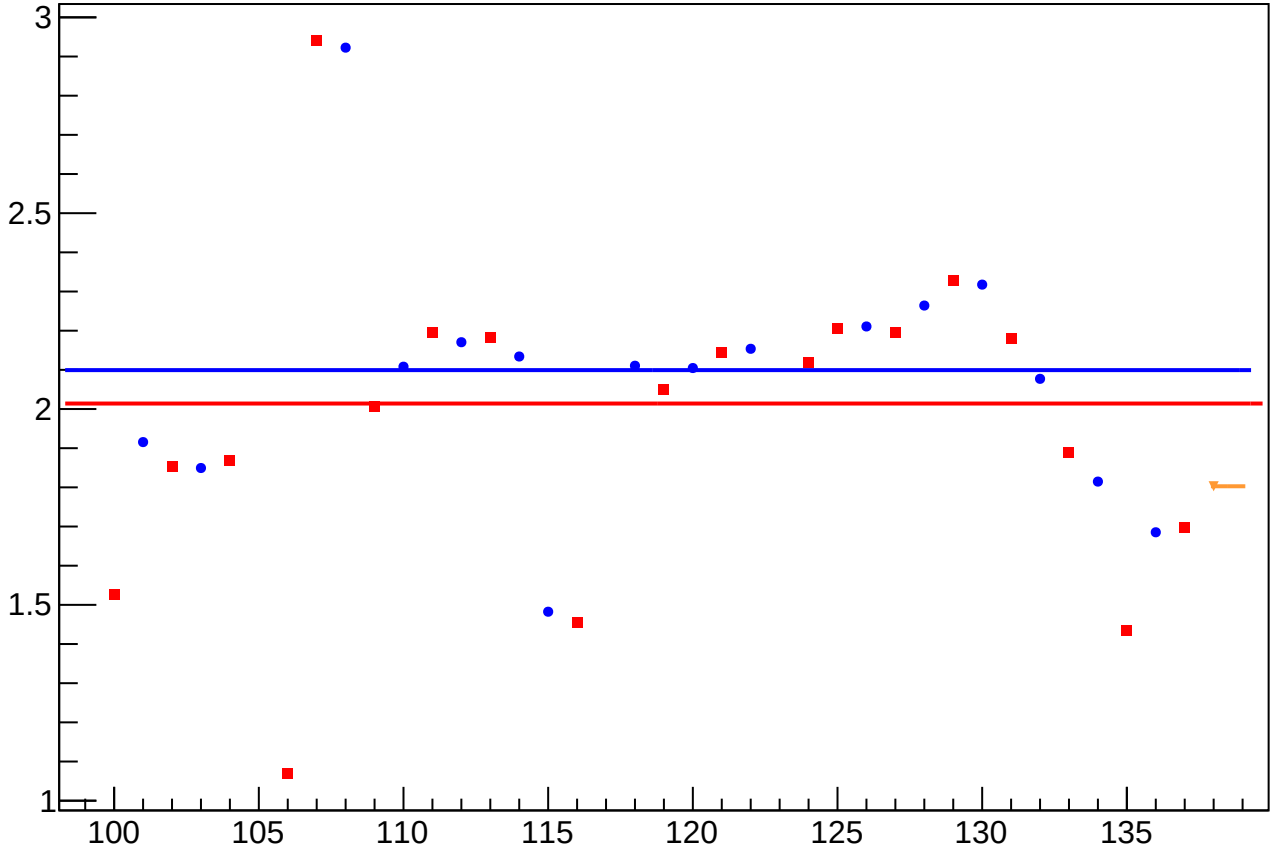
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2213885.3/15

Out: 0.006+/-0.000 χ^2/NDF:1959609.7/19

All: 0.006+/-0.000 χ^2/NDF: 4174401.8/35

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 1.803+/-0.000 χ^2/NDF:0.0/0

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.803+/-0.000 χ^2/NDF: 0.0/0

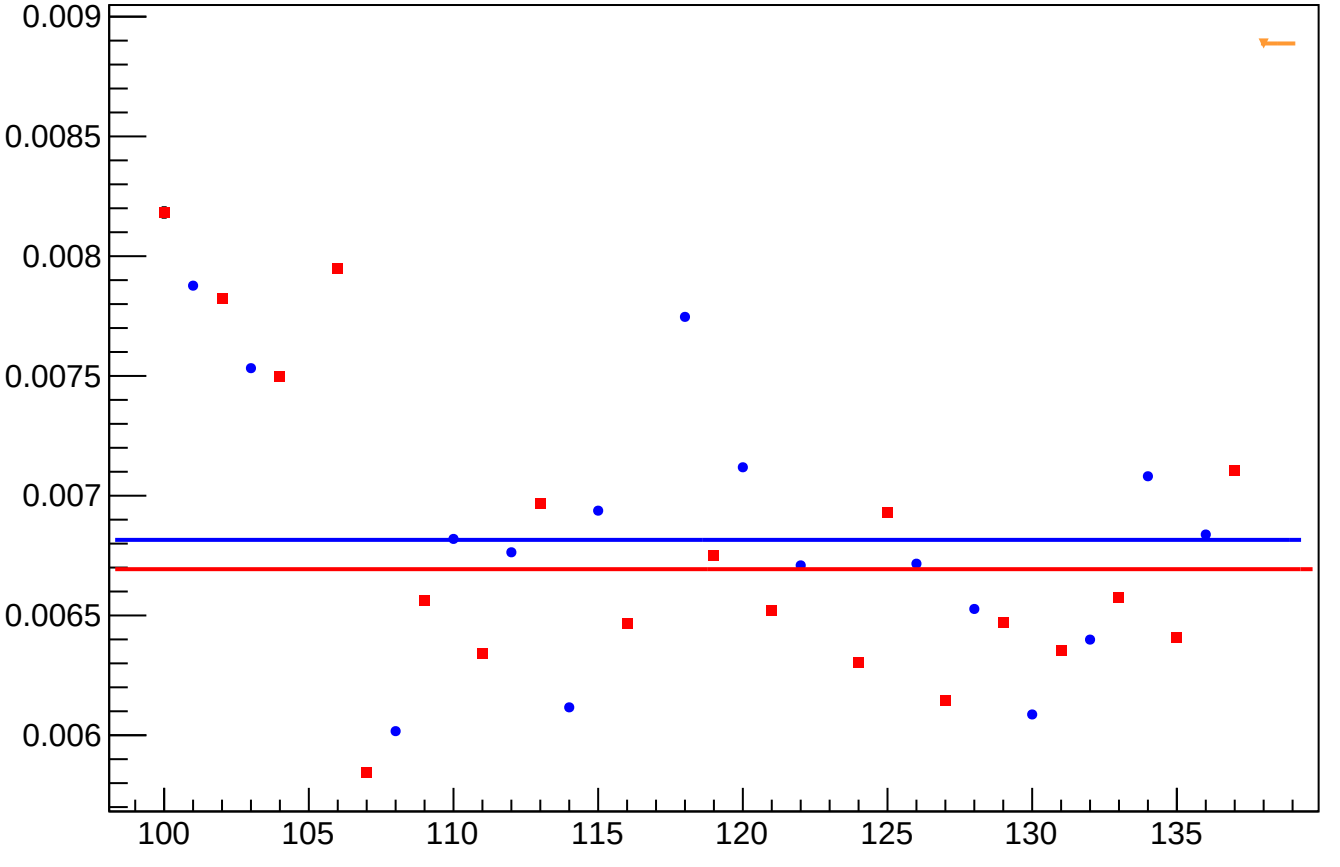
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.099+/-0.000 χ^2/NDF:13928556396.8/15

Out: 2.003+/-0.000 χ^2/NDF:19986532467.2/19

All: 2.048+/-0.000 χ^2/NDF: 34642952542.2/3

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

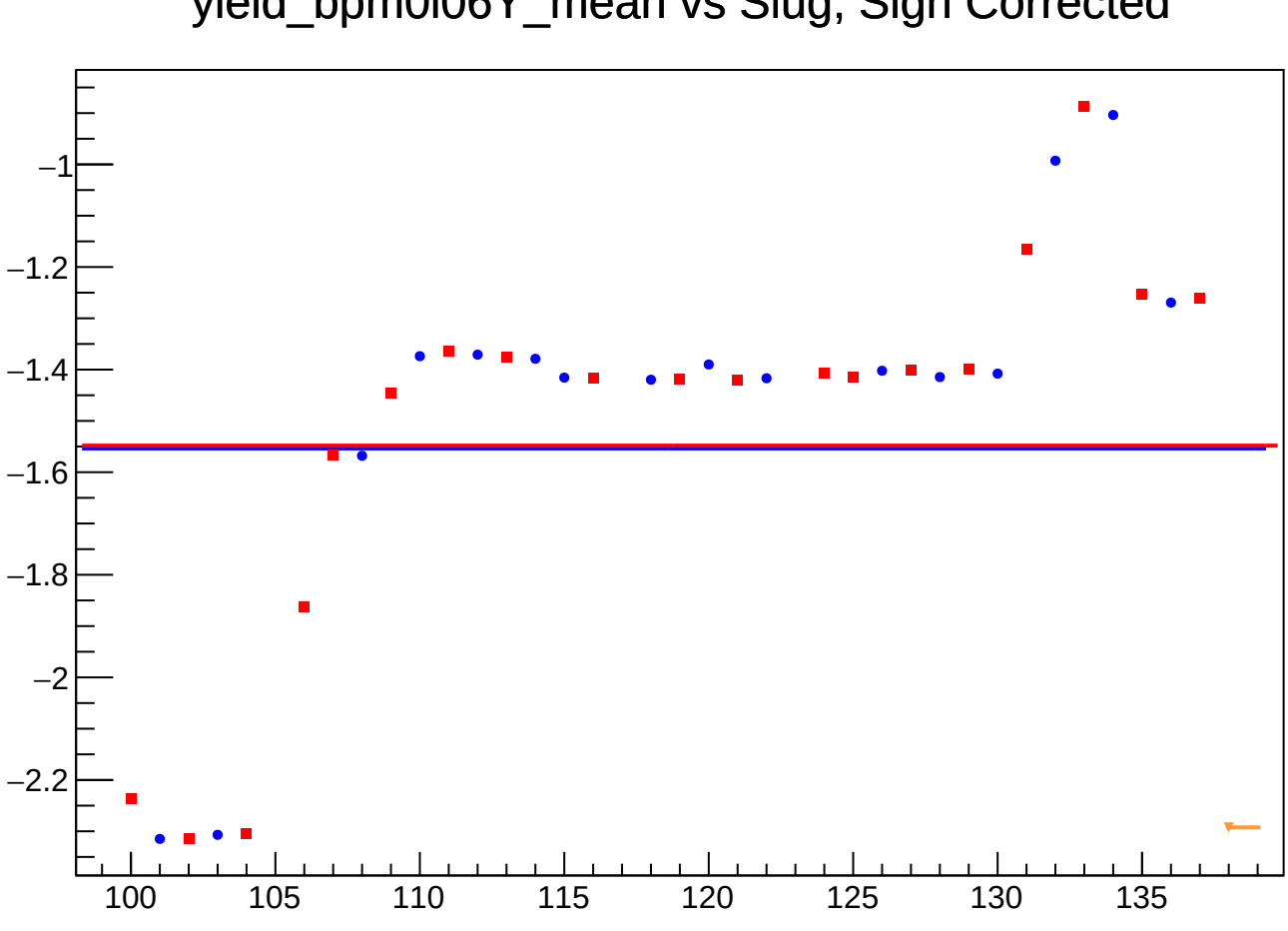
Left: 0.009+/-0.000 χ^2/NDF: 0.0/0

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

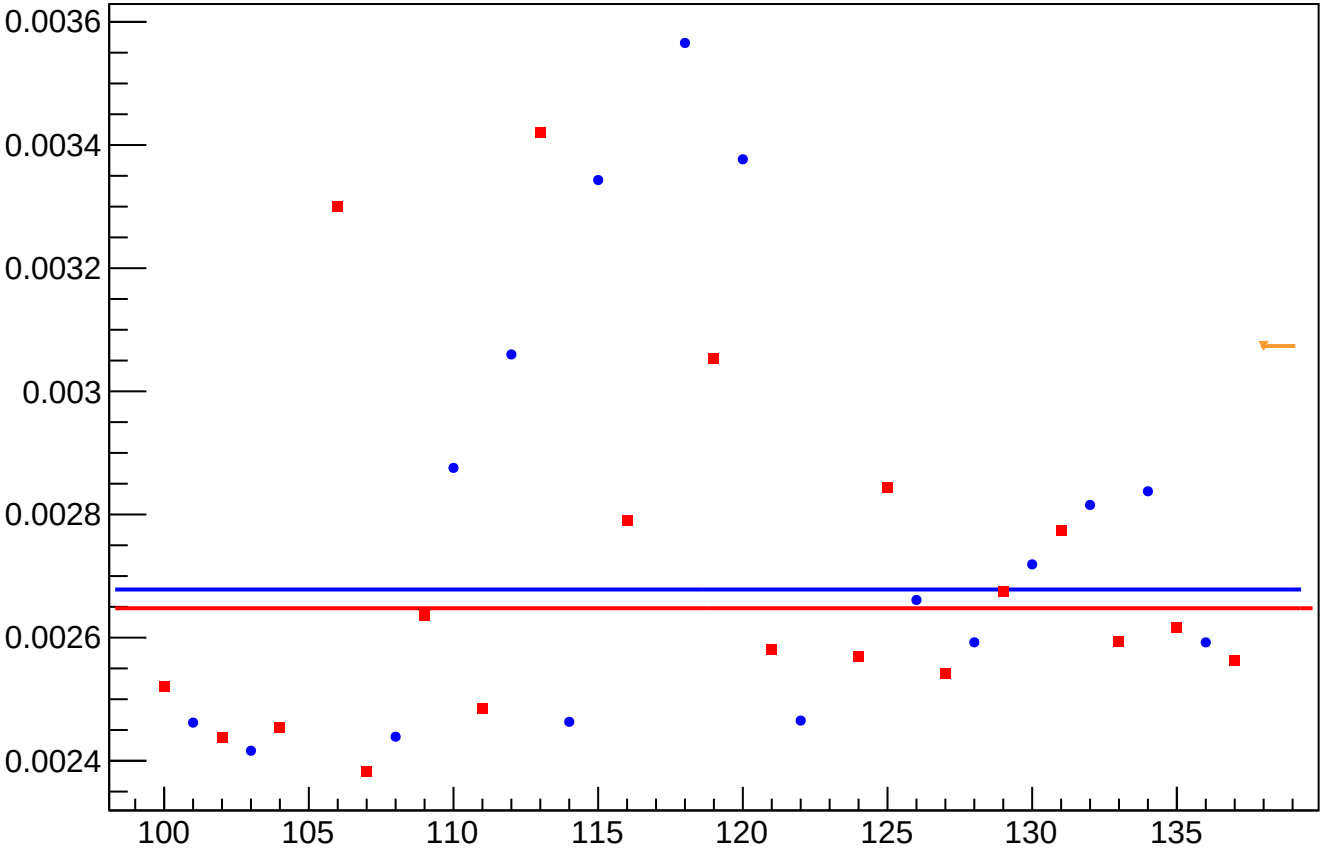
In: 0.007+/-0.000 χ^2/NDF:86781.0/15

Out: 0.007+/-0.000 χ^2/NDF:167910.7/19

All: 0.007+/-0.000 χ^2/NDF: 254701.7/35


yield_bpm0l06Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
105
110
115
120
125
130
135
Right In: -1.554+/-0.000 χ²/NDF: 175176621986.0/15
Left Out: -2.292+/-0.000 χ²/NDF:0.0/0
Right Out: -1.548+/-0.000 χ²/NDF: 174743666302.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -2.292+/-0.000 χ²/NDF: 0.0/0
Right: -1.551+/-0.000 χ²/NDF: 349934542439.1/34
In: -1.554+/-0.000 χ²/NDF:175176621986.0/15
Out: -1.597+/-0.000 χ²/NDF:210933368694.4/19
All: -1.577+/-0.000 χ²/NDF: 387040178810.9

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:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

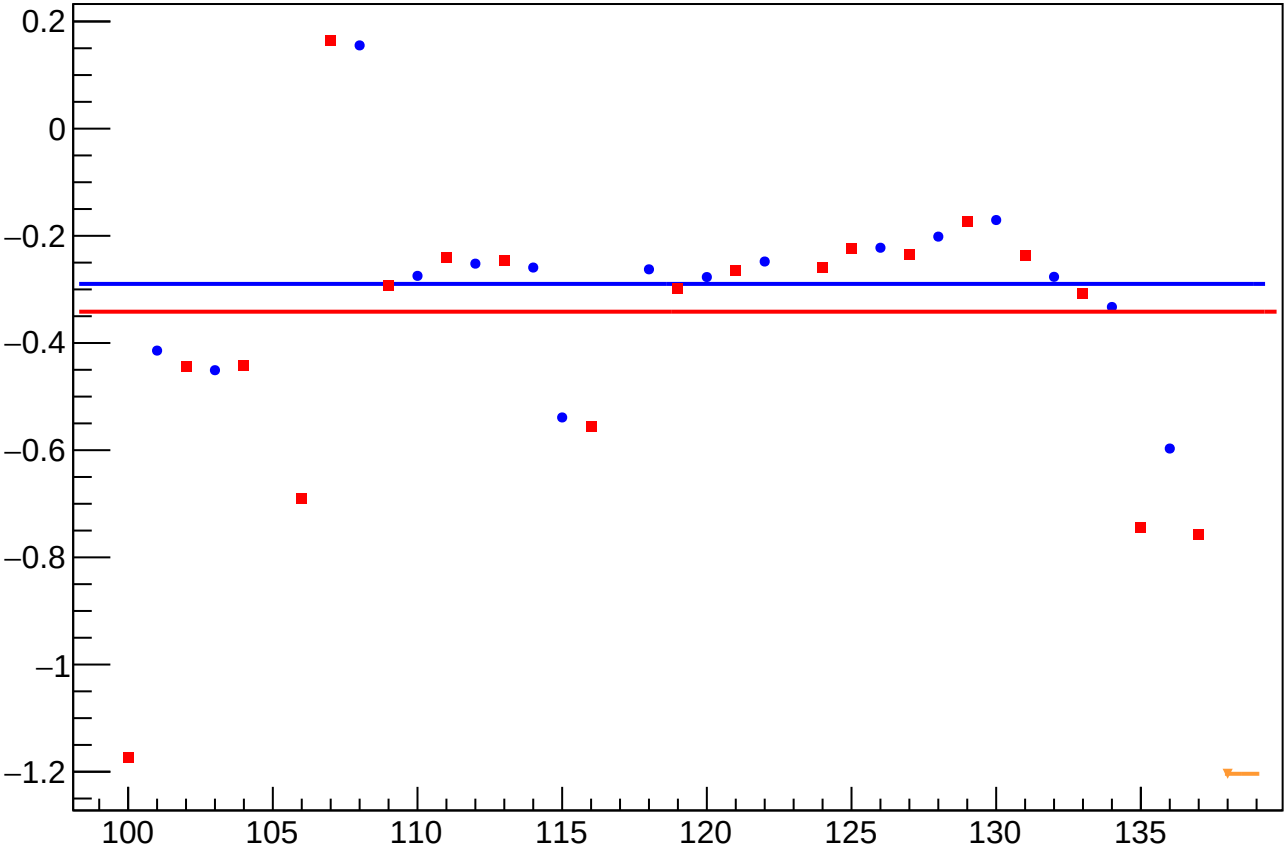
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:157881.5/15

Out: 0.003+/-0.000 χ^2/NDF:139858.0/19

All: 0.003+/-0.000 χ^2/NDF: 297746.6/35

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -1.204+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1.204+/-0.000 χ^2/NDF: 0.0/0

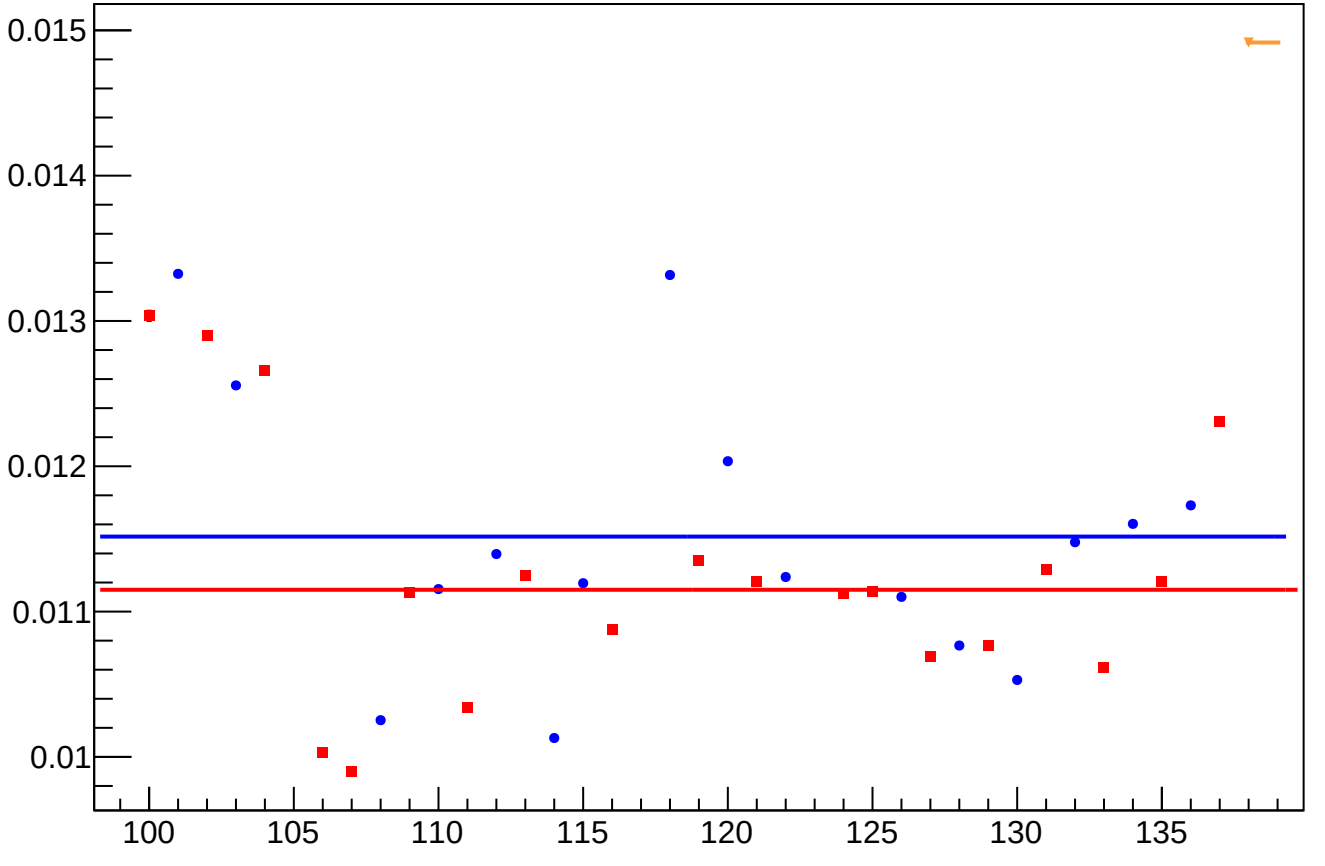
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.290+/-0.000 χ^2/NDF:1645174238.4/15

Out: -0.386+/-0.000 χ^2/NDF:4834856686.4/19

All: -0.342+/-0.000 χ^2/NDF: 6740496566.5/3

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:0.0/0

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.015+/-0.000 χ^2/NDF: 0.0/0

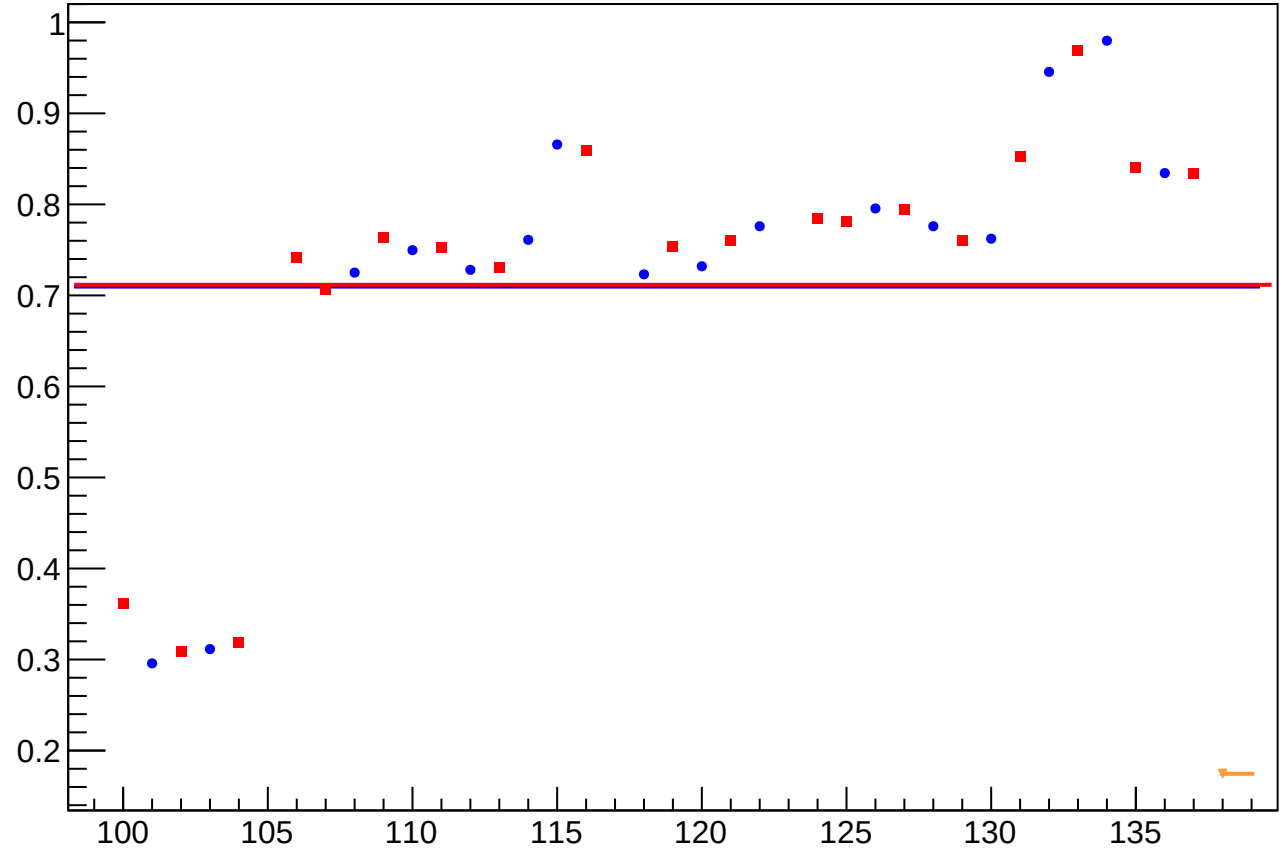
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:84278.9/15

Out: 0.011+/-0.000 χ^2/NDF:155472.0/19

All: 0.011+/-0.000 χ^2/NDF: 241434.3/35

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.174+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.174+/-0.000 χ^2/NDF: 0.0/0

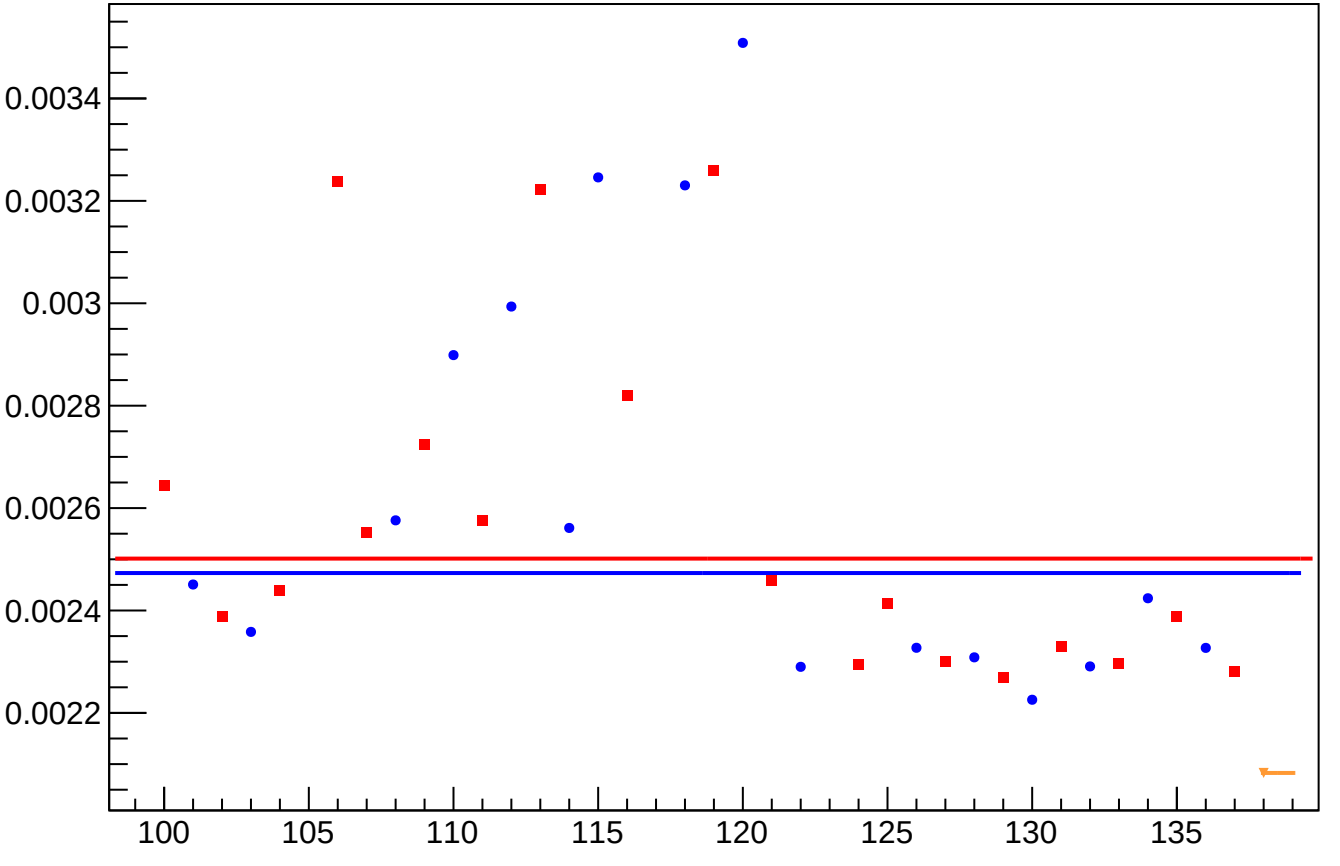
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.710+/-0.000 χ^2/NDF:48924347494.6/15

Out: 0.638+/-0.000 χ^2/NDF:88529662833.6/19

All: 0.671+/-0.000 χ^2/NDF: 140524412853.6

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:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

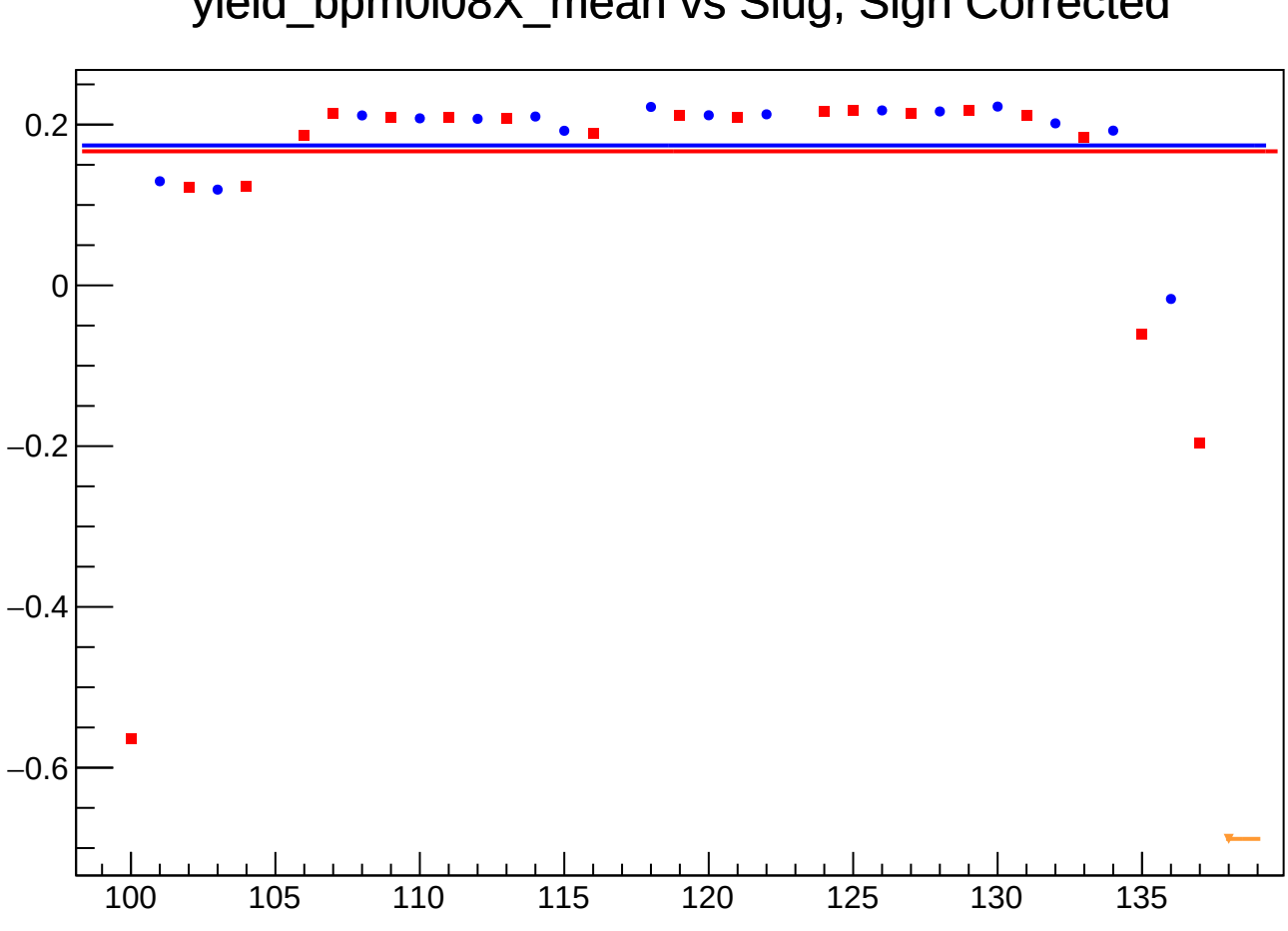
Left: 0.002+/-0.000 χ^2/NDF: 0.0/0

Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:208046.5/15

Out: 0.002+/-0.000 χ^2/NDF:231294.0/19

All: 0.002+/-0.000 χ^2/NDF: 440351.8/35



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.689+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.689+/-0.000 χ^2/NDF: 0.0/0

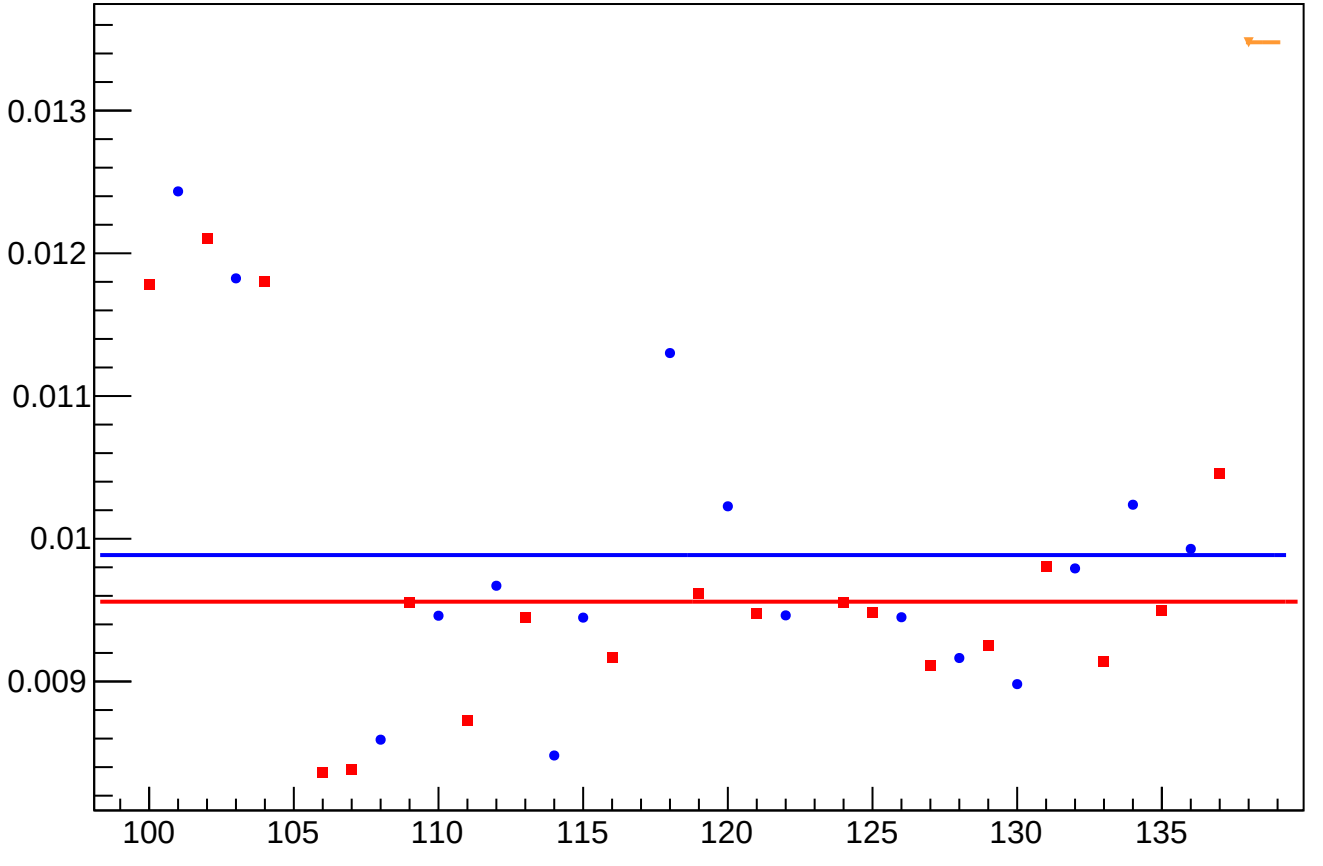
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.174+/-0.000 χ^2/NDF:401946344.0/15

Out: 0.126+/-0.000 χ^2/NDF:3607339815.6/19

All: 0.148+/-0.000 χ^2/NDF: 4095207429.3/35

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.013+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

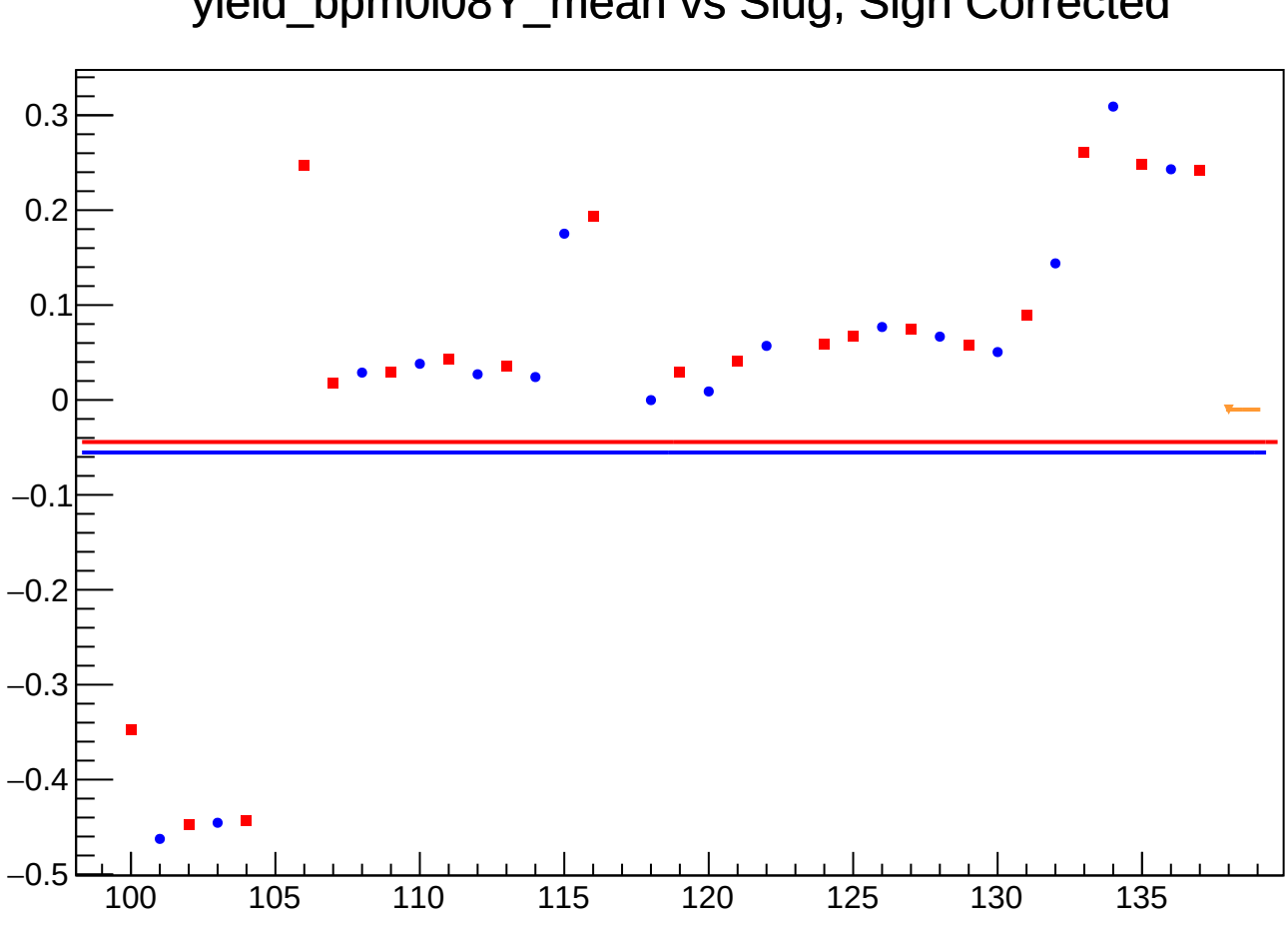
Left: 0.013+/-0.000 χ^2/NDF: 0.0/0

Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.010+/-0.000 χ^2/NDF:148562.0/15

Out: 0.010+/-0.000 χ^2/NDF:250139.5/19

All: 0.010+/-0.000 χ^2/NDF: 400235.3/35



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.010+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.010+/-0.000 χ^2/NDF: 0.0/0

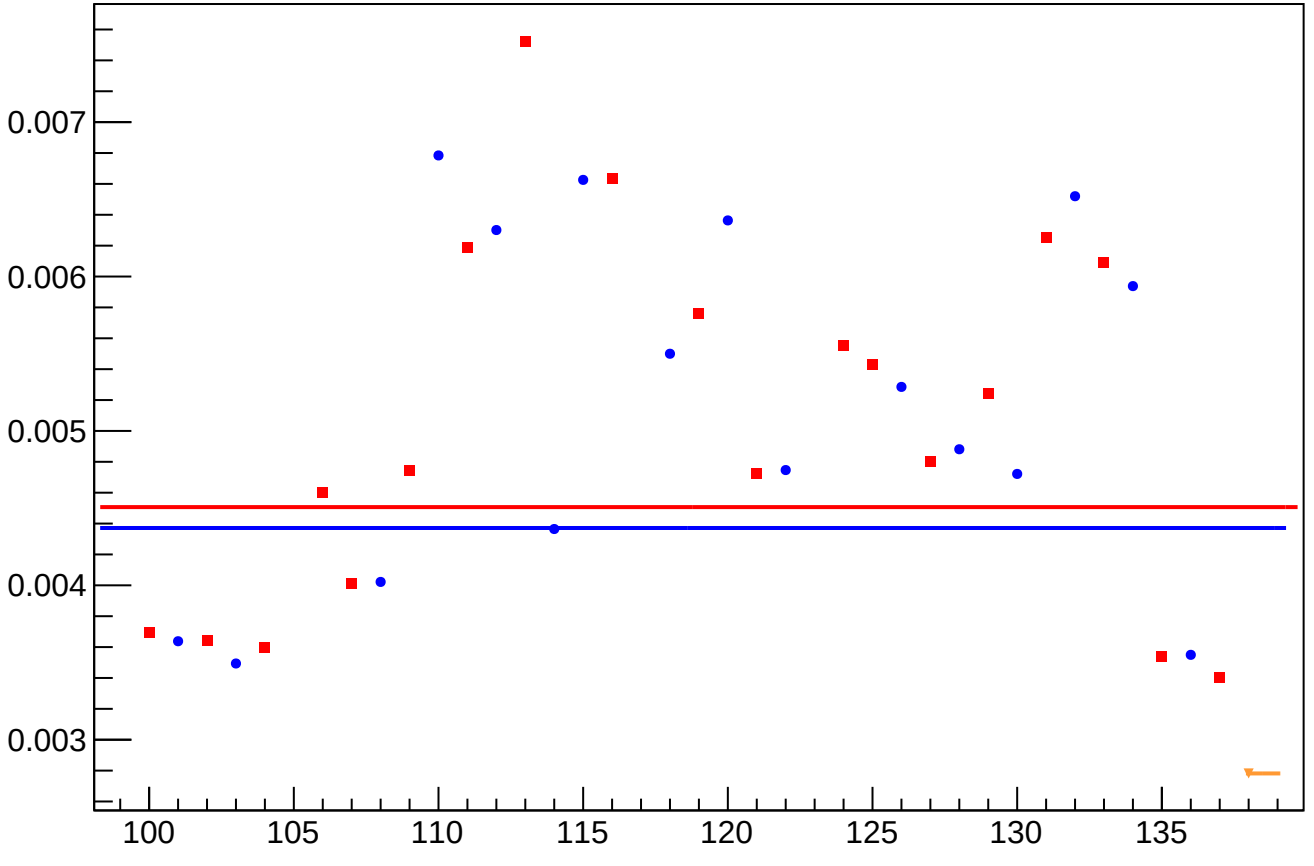
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.055+/-0.000 χ^2/NDF:24081939190.6/15

Out: -0.036+/-0.000 χ^2/NDF:22221435487.9/19

All: -0.045+/-0.000 χ^2/NDF: 46367950409.1/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

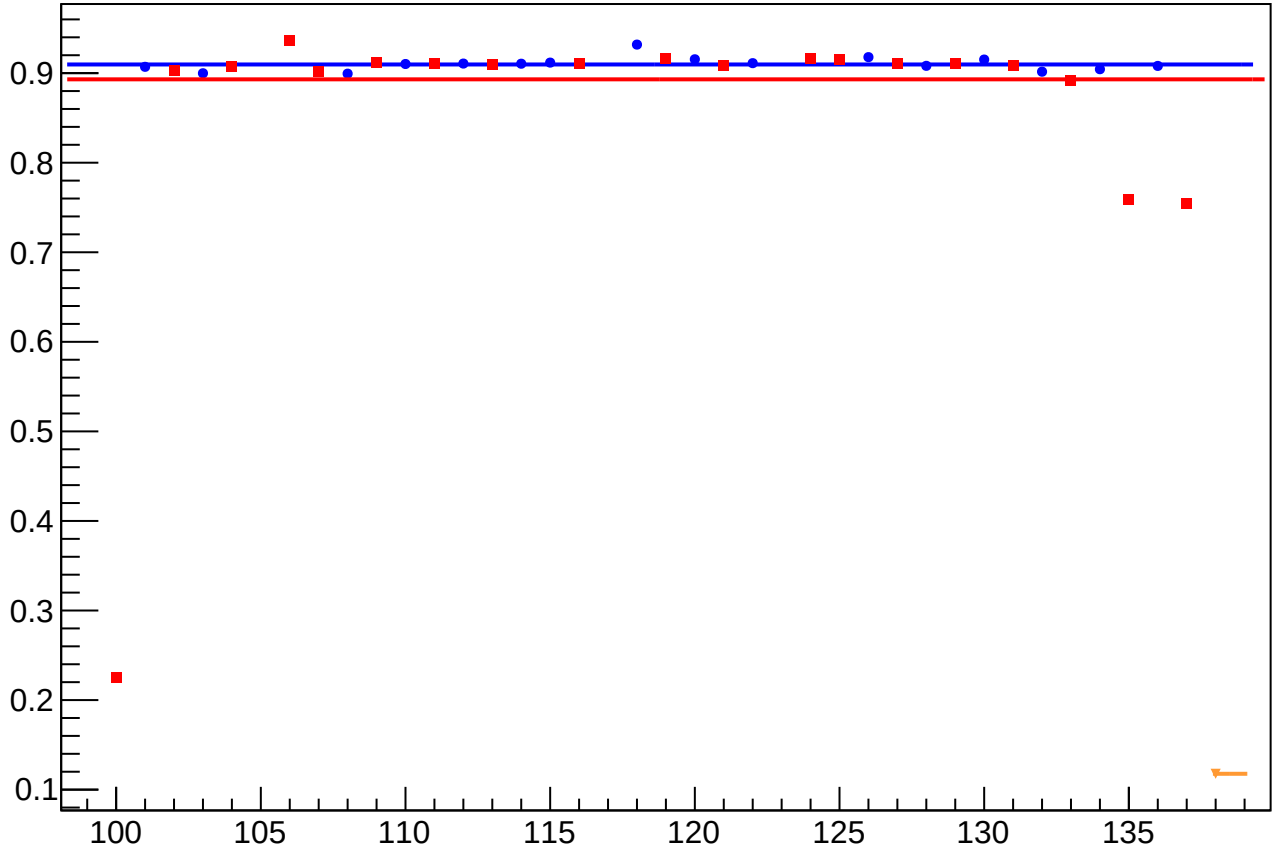
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.004+/-0.000 χ^2/NDF:660432.6/15

Out: 0.004+/-0.000 χ^2/NDF:1138702.3/19

All: 0.004+/-0.000 χ^2/NDF: 1824274.5/35

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.118+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.118+/-0.000 χ^2/NDF: 0.0/0

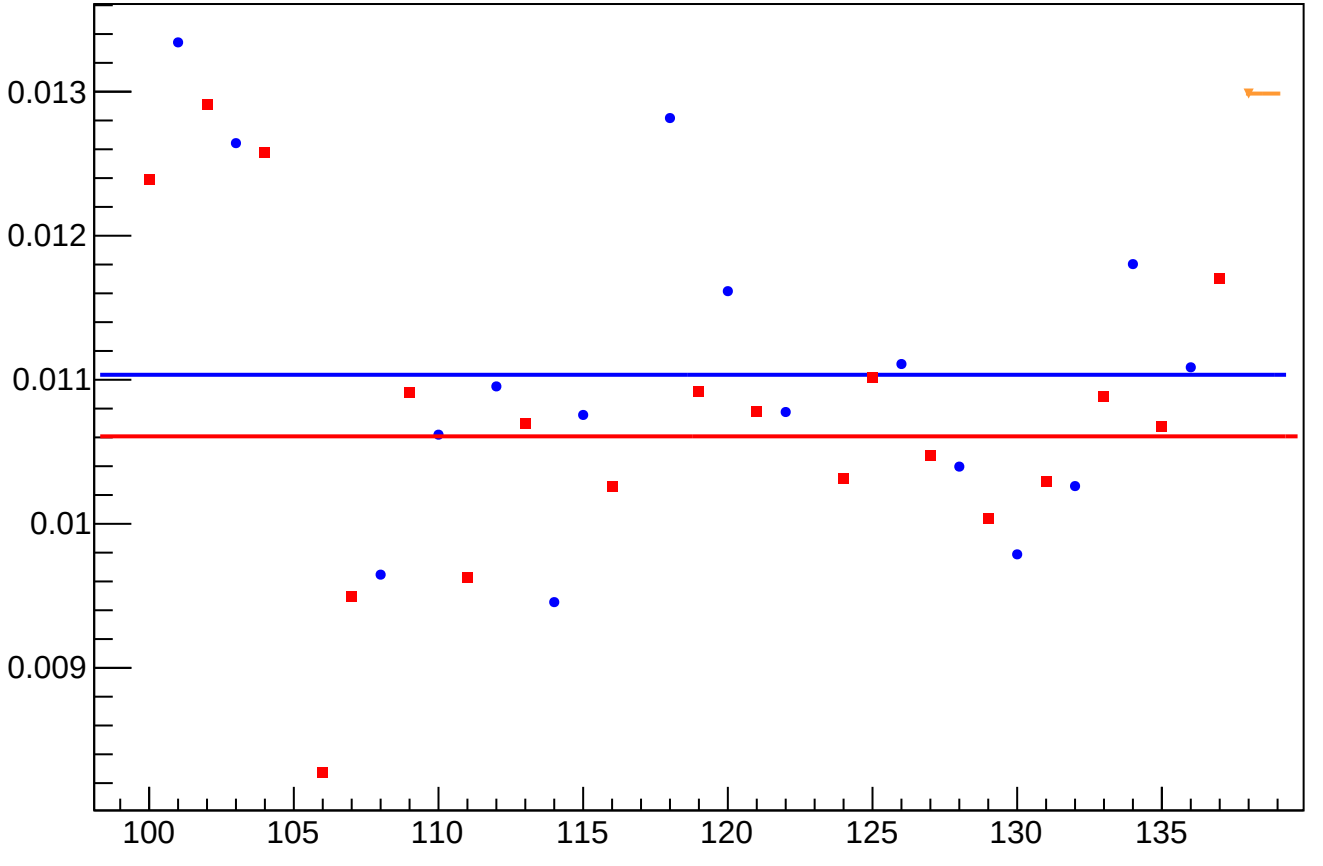
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.910+/-0.000 χ^2/NDF:3133349.6/15

Out: 0.845+/-0.000 χ^2/NDF:2714308591.9/19

All: 0.874+/-0.000 χ^2/NDF: 2846567830.5/35

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:0.0/0

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.000 χ^2/NDF: 0.0/0

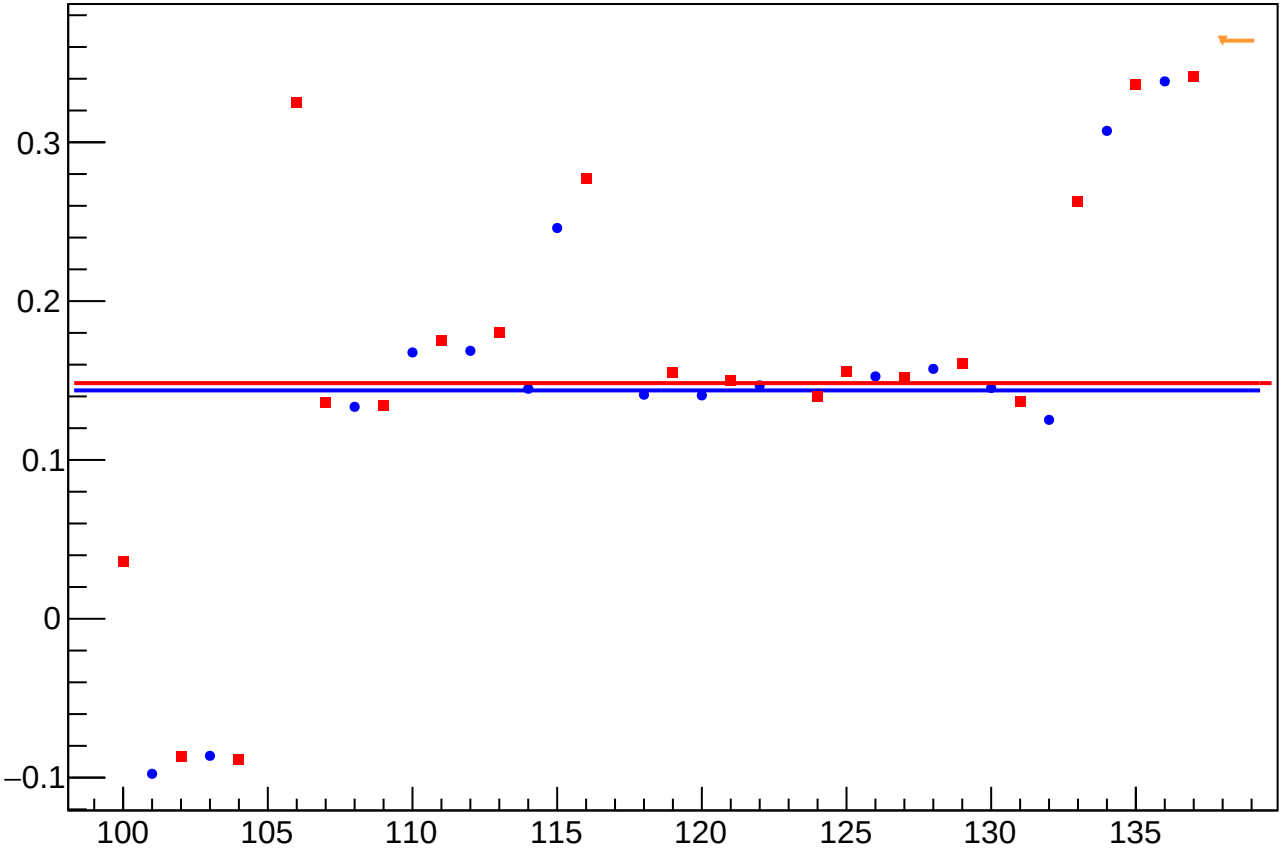
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:130353.1/15

Out: 0.011+/-0.000 χ^2/NDF:188895.7/19

All: 0.011+/-0.000 χ^2/NDF: 324086.3/35

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.364+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.364+/-0.000 χ^2/NDF: 0.0/0

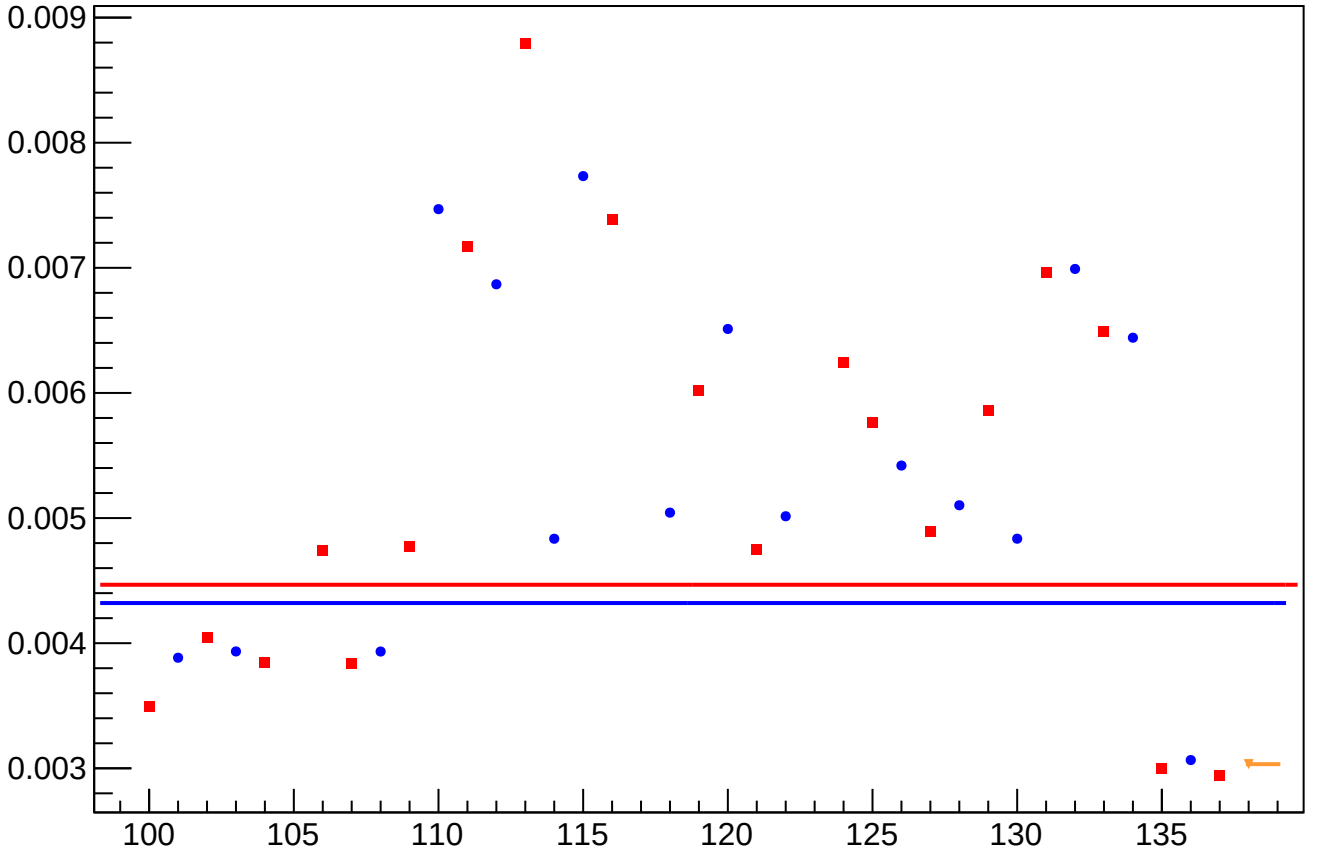
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.144+/-0.000 χ^2/NDF:7867304536.4/15

Out: 0.192+/-0.000 χ^2/NDF:9932046983.2/19

All: 0.170+/-0.000 χ^2/NDF: 18192285184.7/3

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:0.0/0

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

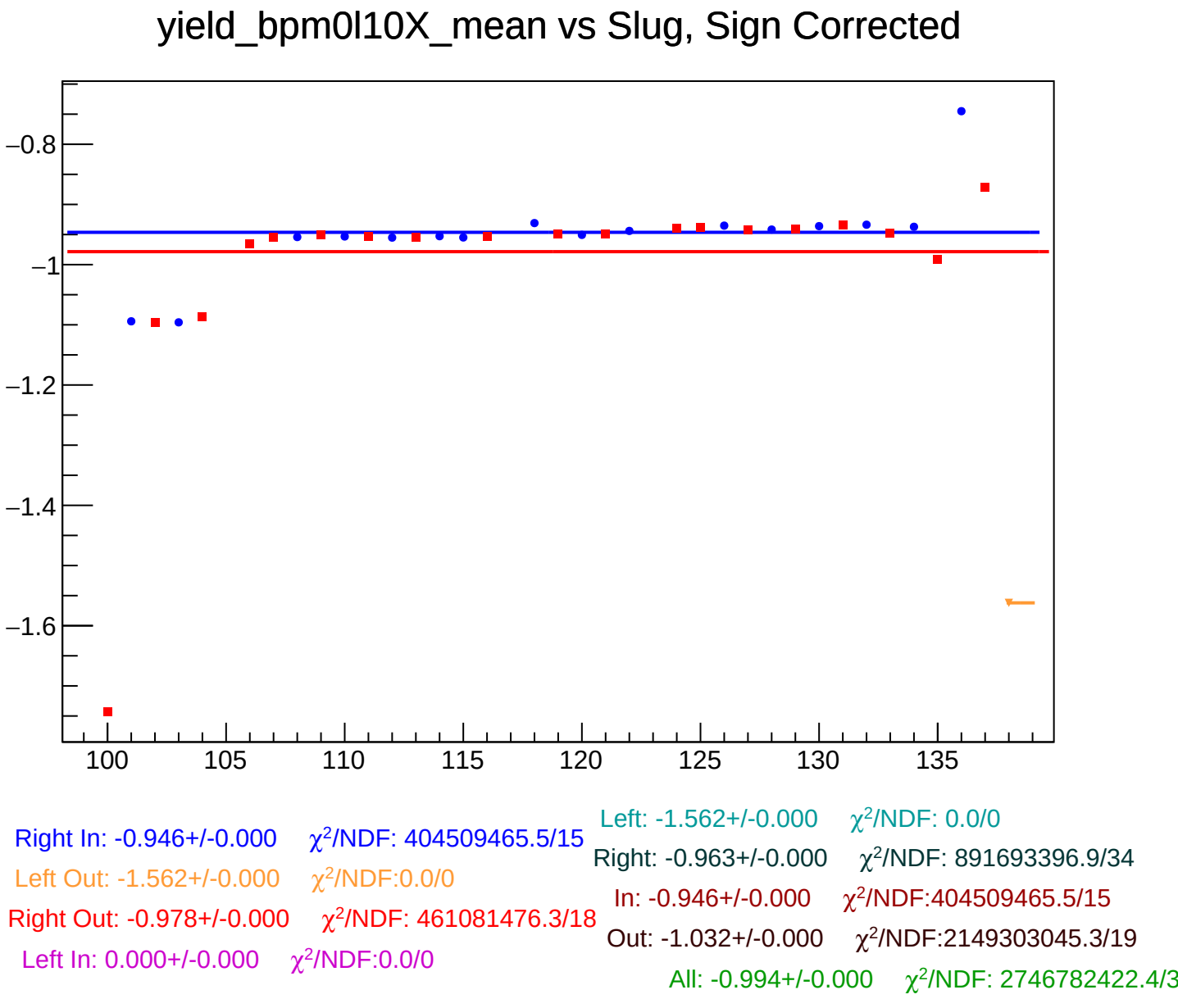
Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

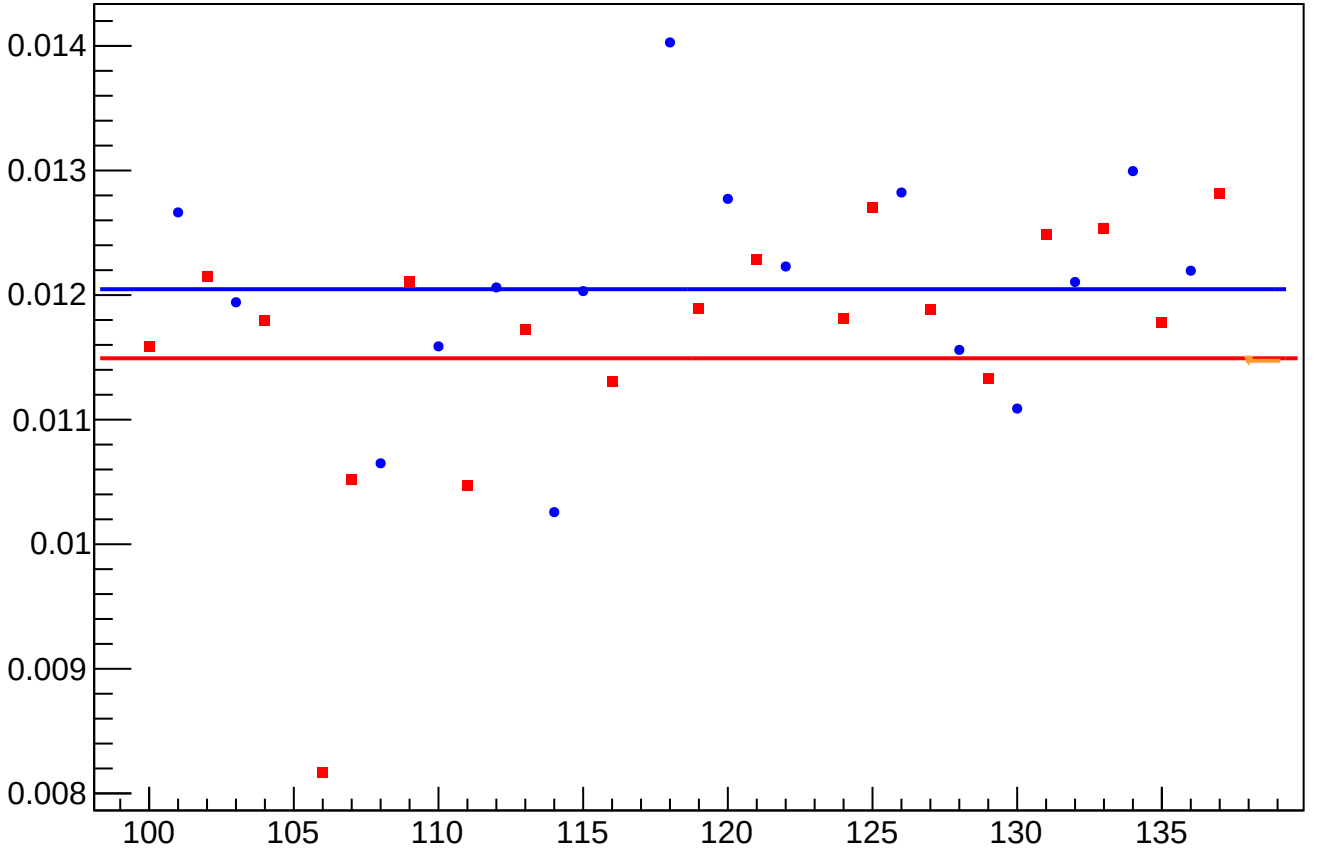
In: 0.004+/-0.000 χ^2/NDF:878343.4/15

Out: 0.004+/-0.000 χ^2/NDF:1333760.7/19

All: 0.004+/-0.000 χ^2/NDF: 2219143.6/35


yield_bpm0l10X_mean vs Slug, Sign Corrected
−0.8
−1
−1.2
−1.4
−1.6
100
105
110
115
120
125
130
135
Right In: -0.946+/-0.000 χ²/NDF: 404509465.5/15
Left Out: -1.562+/-0.000 χ²/NDF:0.0/0
Right Out: -0.978+/-0.000 χ²/NDF: 461081476.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -1.562+/-0.000 χ²/NDF: 0.0/0
Right: -0.963+/-0.000 χ²/NDF: 891693396.9/34
In: -0.946+/-0.000 χ²/NDF:404509465.5/15
Out: -1.032+/-0.000 χ²/NDF:2149303045.3/19
All: -0.994+/-0.000 χ²/NDF: 2746782422.4/3

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

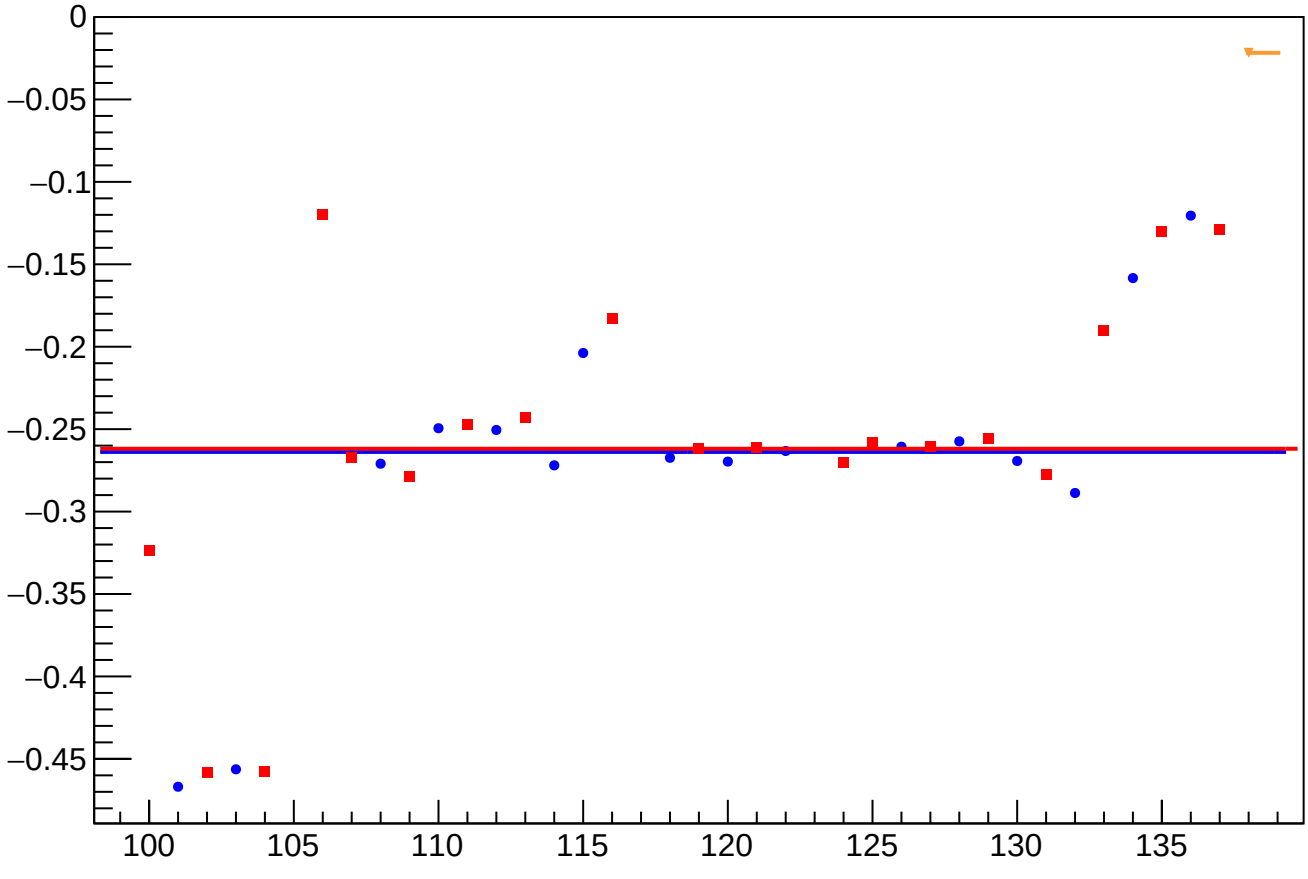
Left: 0.011+/-0.000 χ^2/NDF: 0.0/0

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.012+/-0.000 χ^2/NDF:62476.3/15

Out: 0.011+/-0.000 χ^2/NDF:151313.2/19

All: 0.012+/-0.000 χ^2/NDF: 230129.0/35



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.022+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.022+/-0.000 χ^2/NDF: 0.0/0

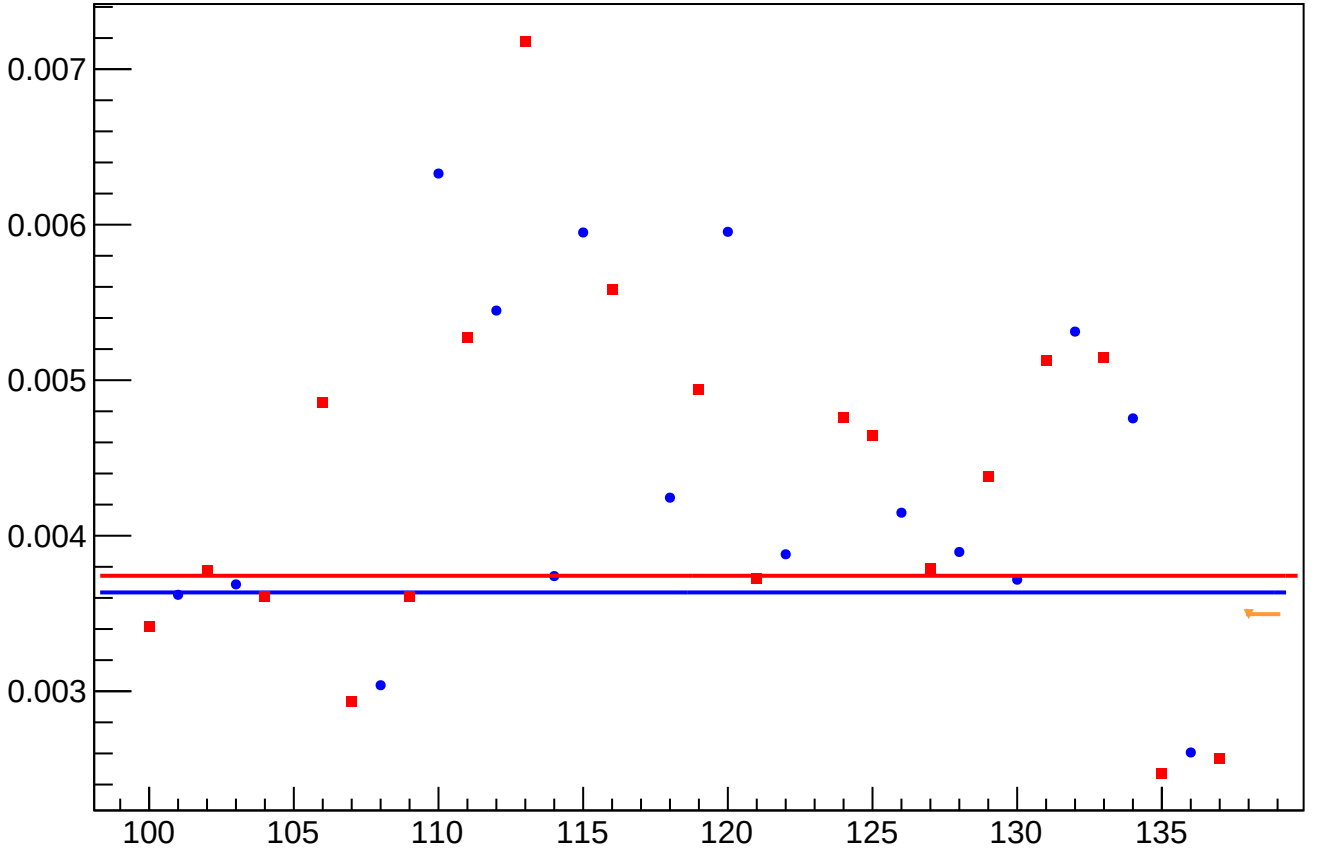
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.264+/-0.000 χ^2/NDF:6106171444.3/15

Out: -0.235+/-0.000 χ^2/NDF:8045214506.1/19

All: -0.249+/-0.000 χ^2/NDF: 14344413058.0/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

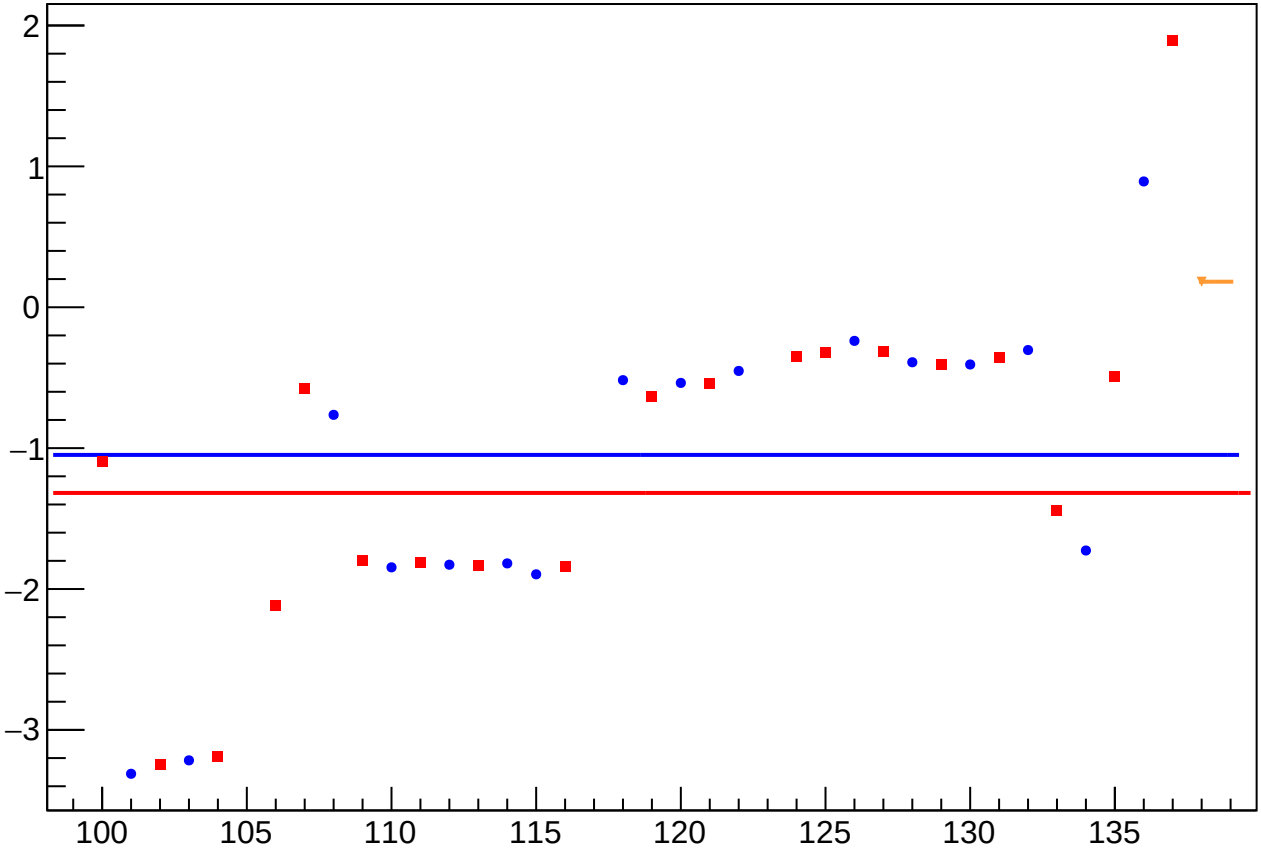
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:728598.9/15

Out: 0.004+/-0.000 χ^2/NDF:900094.7/19

All: 0.004+/-0.000 χ^2/NDF: 1631590.3/35

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: 0.181+/-0.000 χ^2/NDF:0.0/0

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.181+/-0.000 χ^2/NDF: 0.0/0

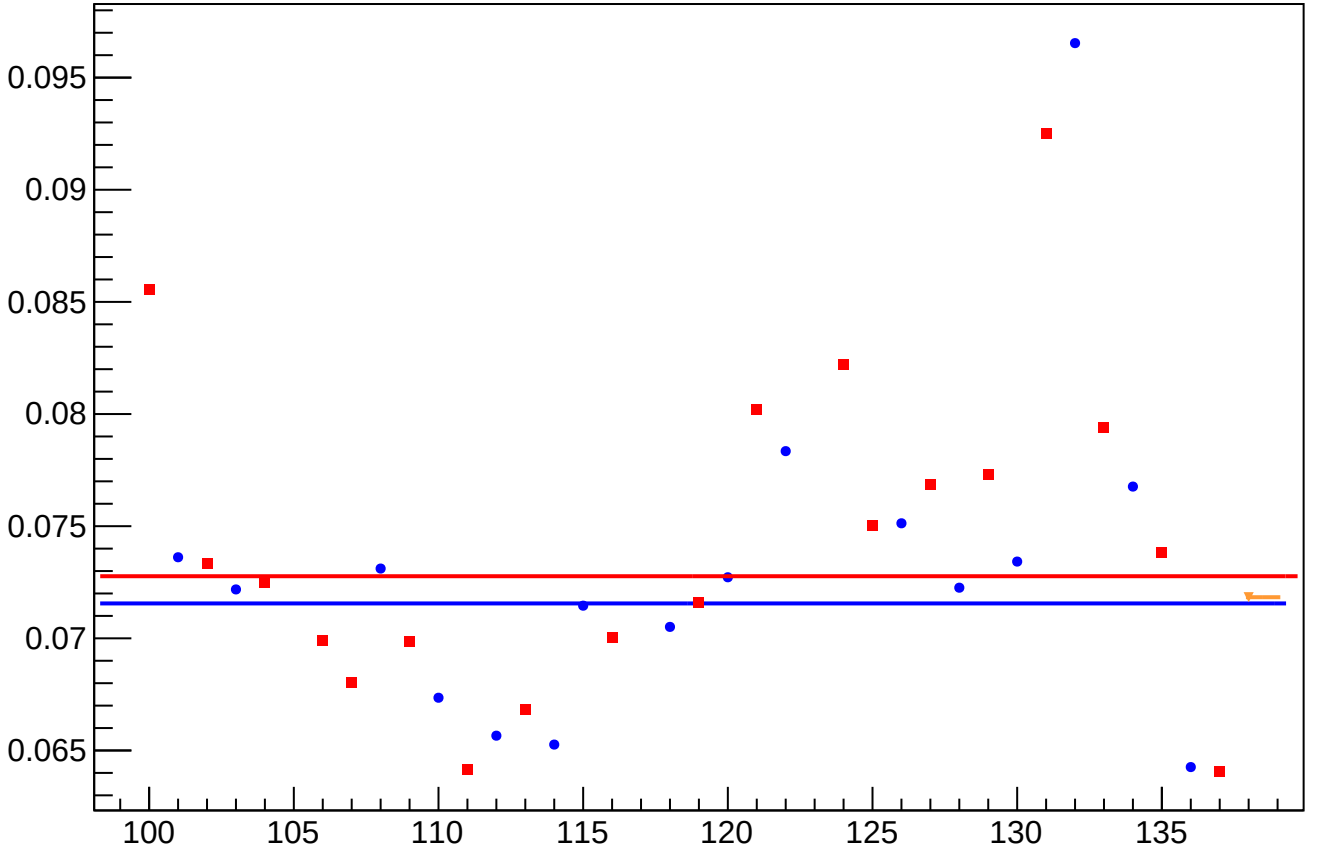
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.048+/-0.000 χ^2/NDF:2347020985.5/15

Out: -1.170+/-0.000 χ^2/NDF:2152811522.2/19

All: -1.112+/-0.000 χ^2/NDF: 4510515044.4/3

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.072+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

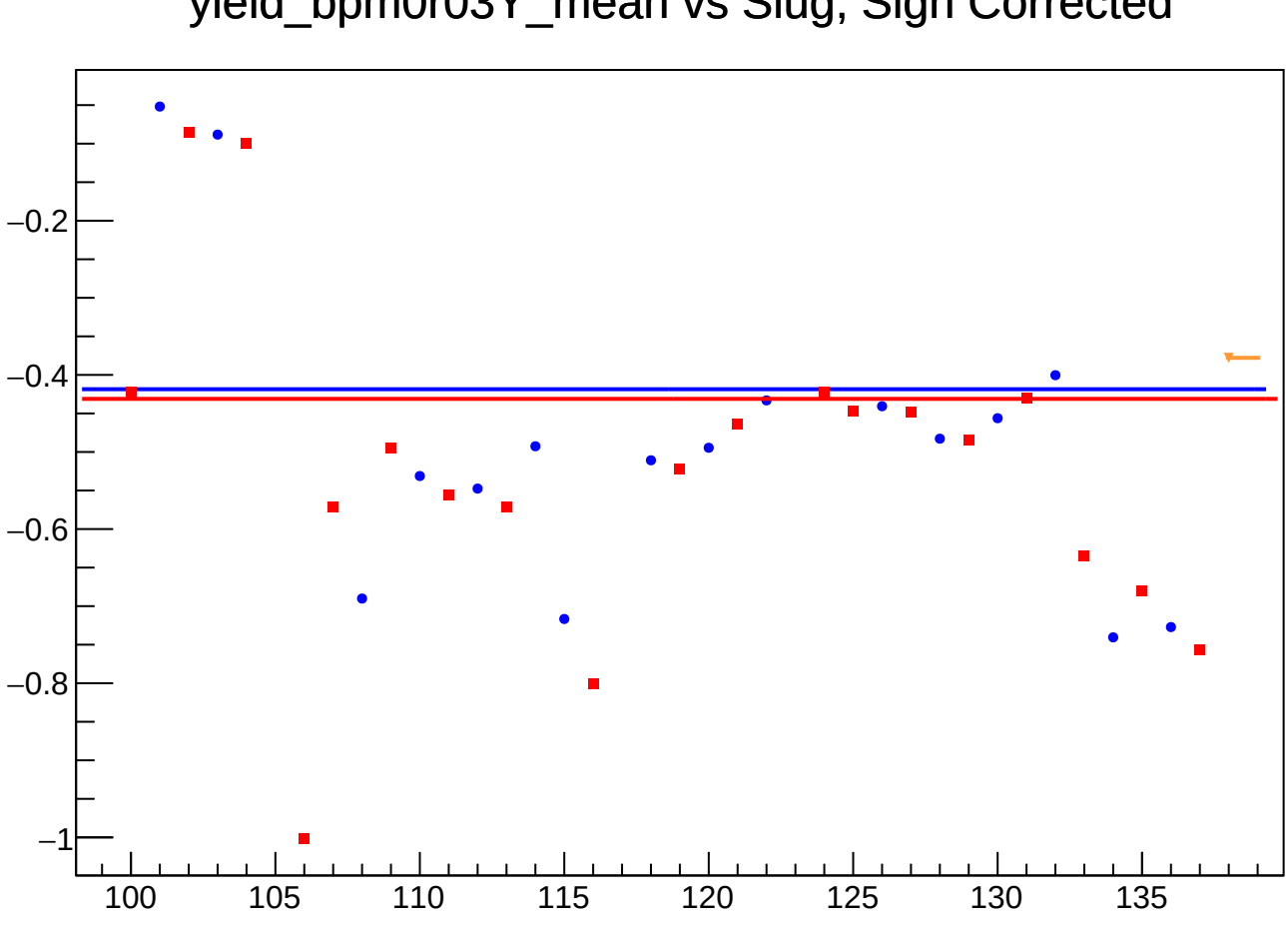
Left: 0.072+/-0.000 χ^2/NDF: 0.0/0

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.072+/-0.000 χ^2/NDF:101238.7/15

Out: 0.073+/-0.000 χ^2/NDF:97111.8/19

All: 0.072+/-0.000 χ^2/NDF: 200160.9/35



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.378+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.378+/-0.000 χ^2/NDF: 0.0/0

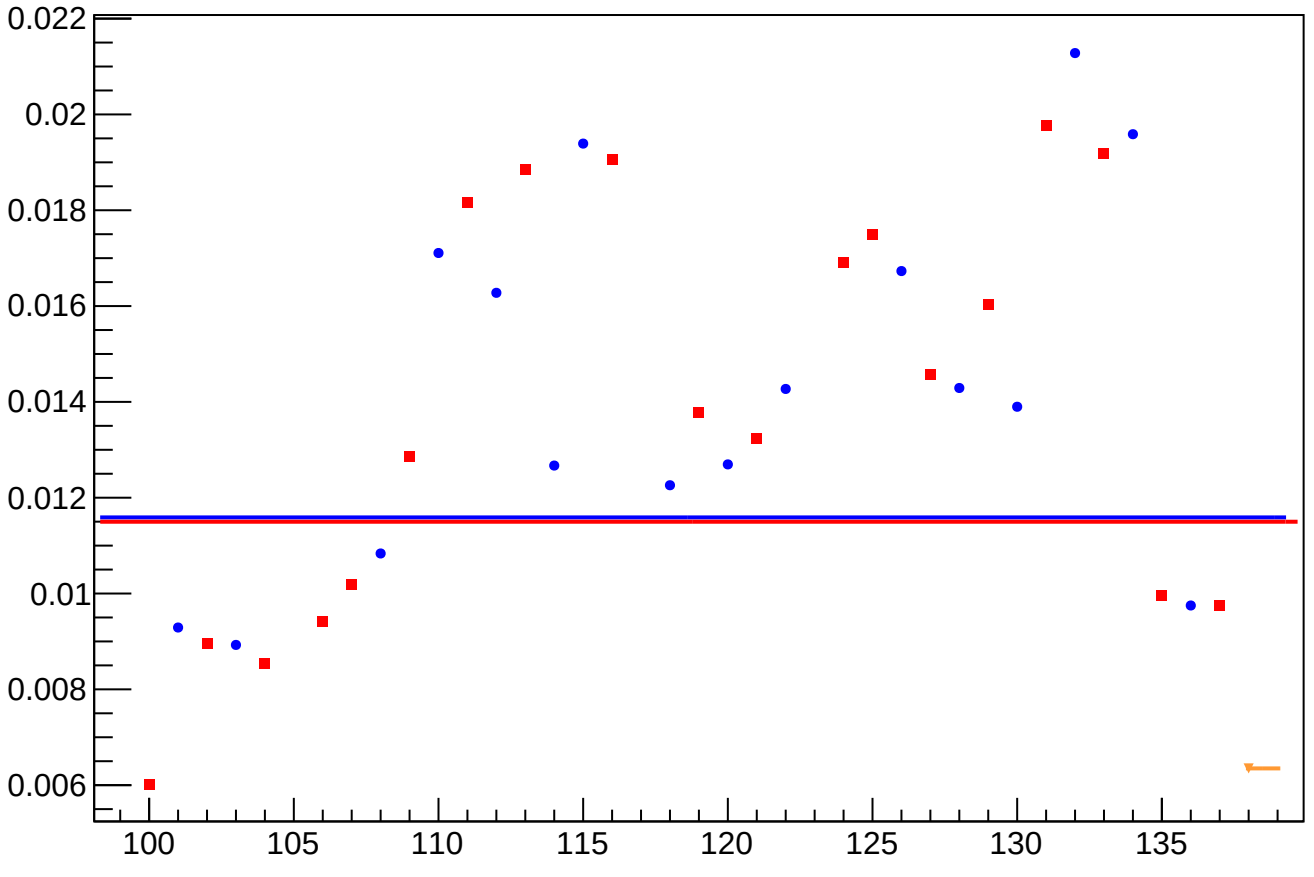
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.419+/-0.000 χ^2/NDF:3072147227.9/15

Out: -0.416+/-0.000 χ^2/NDF:3232396464.3/19

All: -0.417+/-0.000 χ^2/NDF: 6304672390.6/3

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.006+/-0.000 χ^2/NDF: 0.0/0

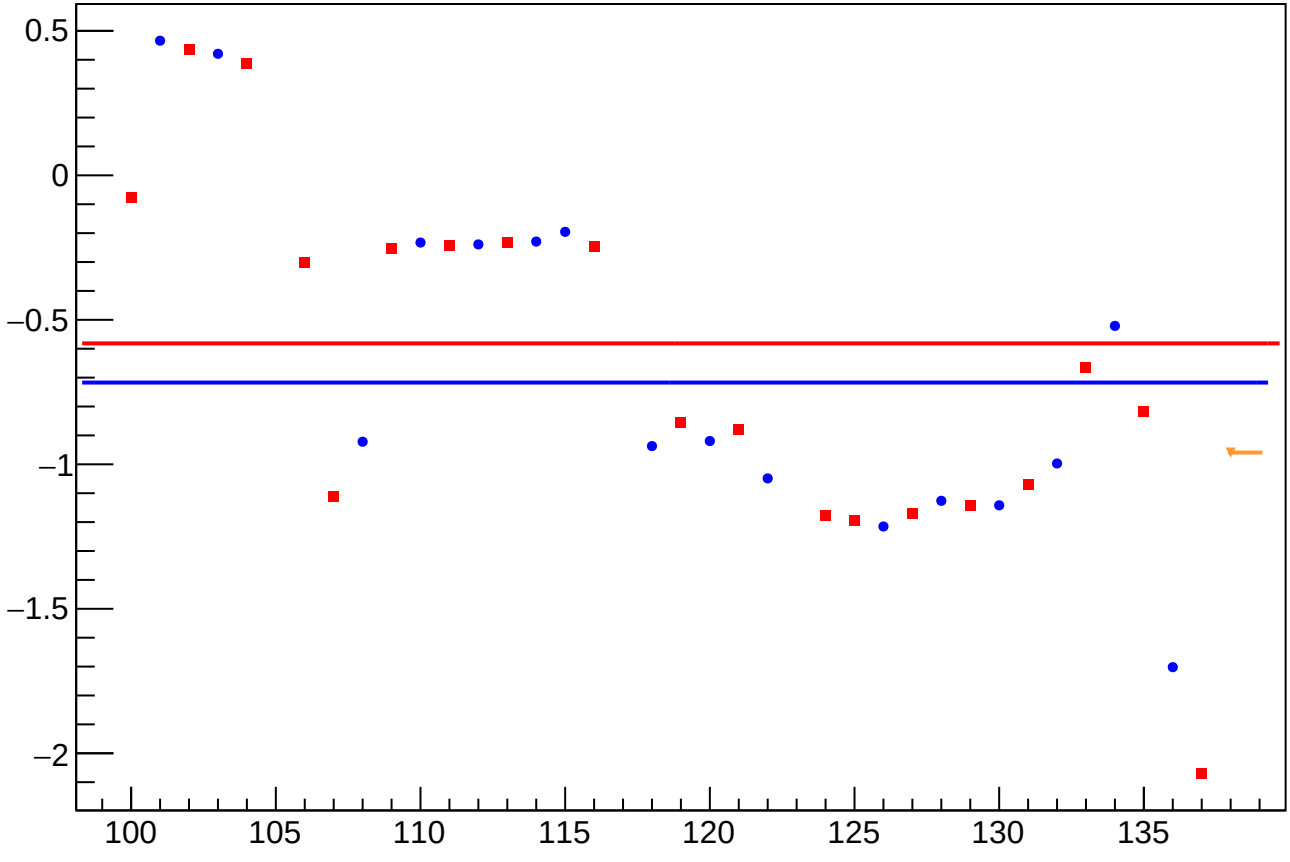
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.012+/-0.000 χ^2/NDF:786260.7/15

Out: 0.010+/-0.000 χ^2/NDF:1833040.7/19

All: 0.011+/-0.000 χ^2/NDF: 2739321.0/35

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.959+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.959+/-0.000 χ^2/NDF: 0.0/0

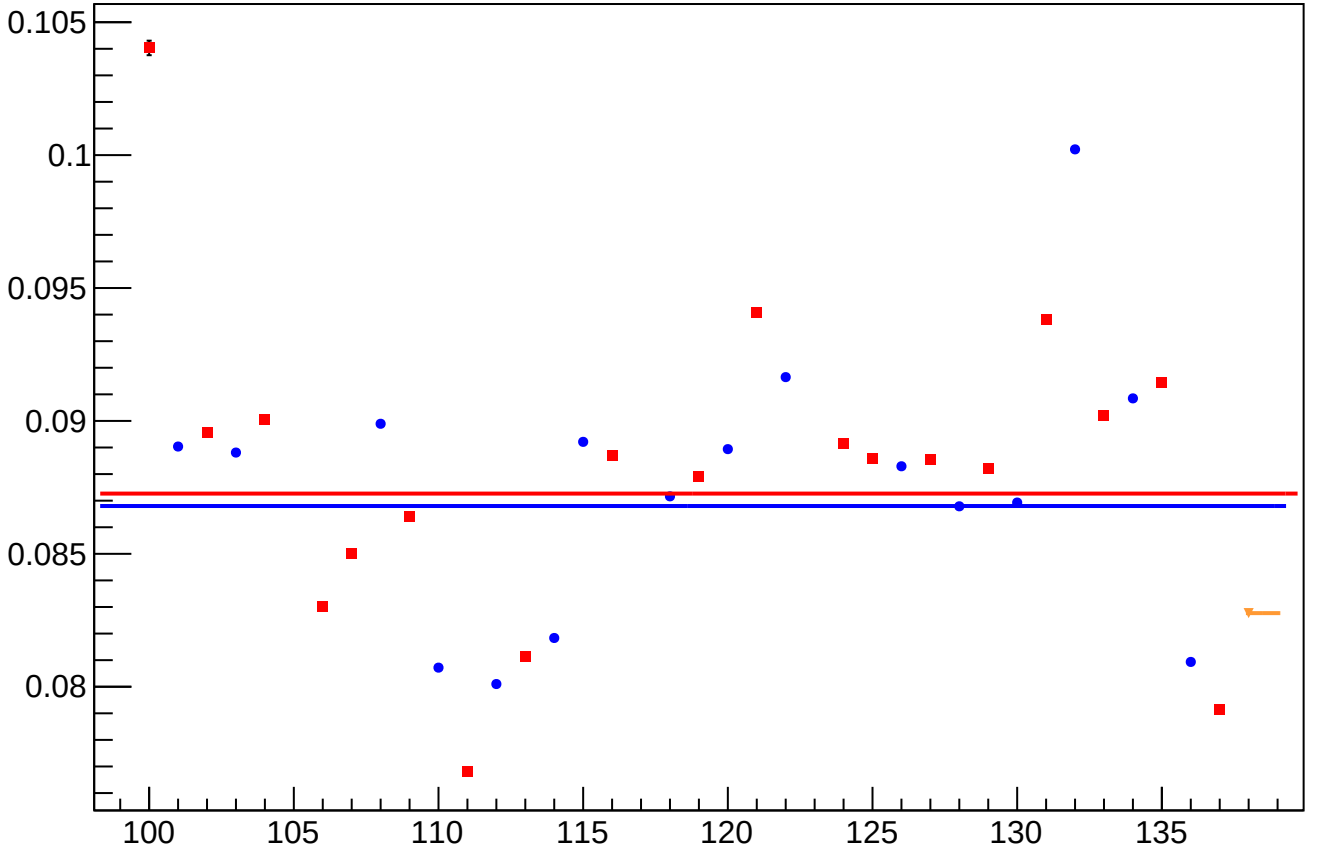
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.717+/-0.000 χ^2/NDF:437423792.4/15

Out: -0.621+/-0.000 χ^2/NDF:356598428.3/19

All: -0.666+/-0.000 χ^2/NDF: 798726054.0/35

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:0.0/0

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.083+/-0.000 χ^2/NDF: 0.0/0

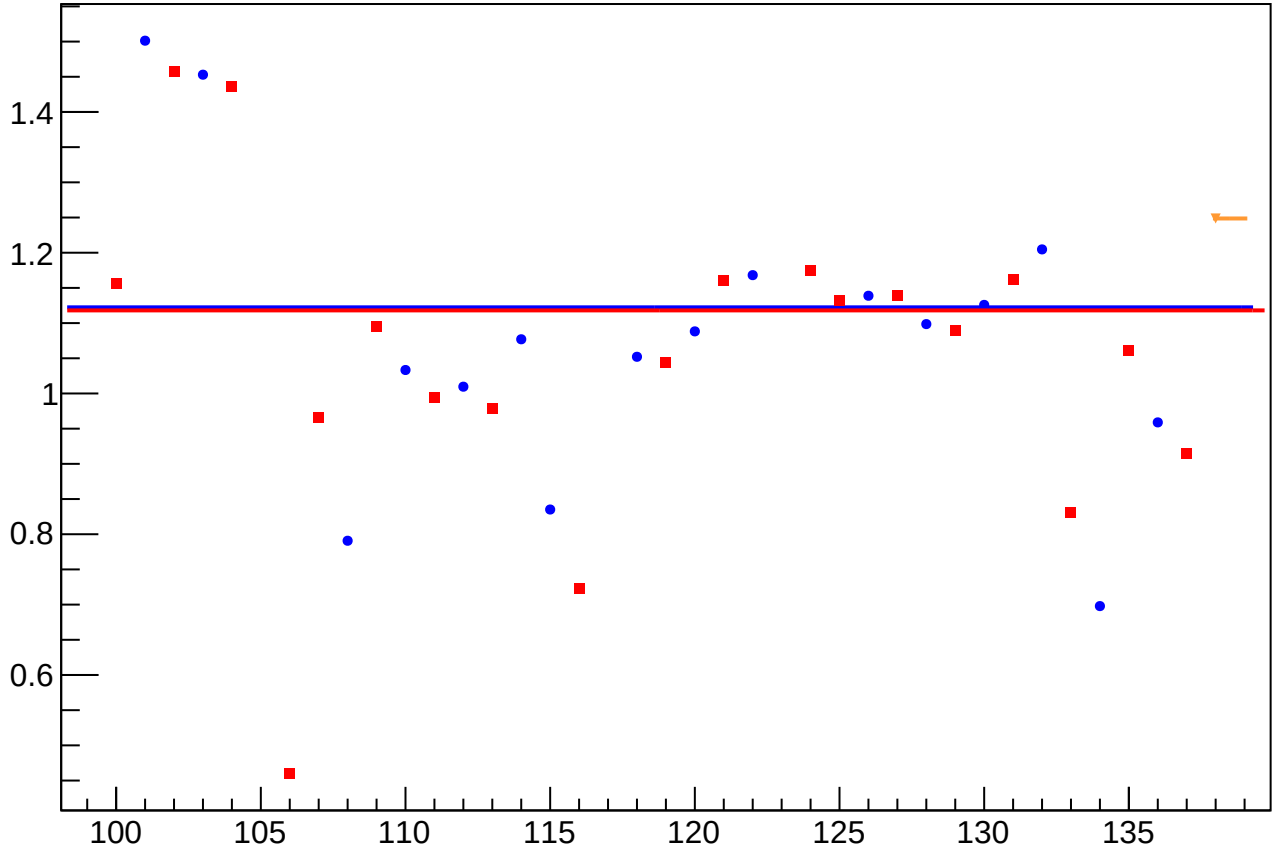
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.087+/-0.000 χ^2/NDF:43575.8/15

Out: 0.087+/-0.000 χ^2/NDF:50282.4/19

All: 0.087+/-0.000 χ^2/NDF: 93858.2/35

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.249+/-0.000 χ^2/NDF:0.0/0

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.249+/-0.000 χ^2/NDF: 0.0/0

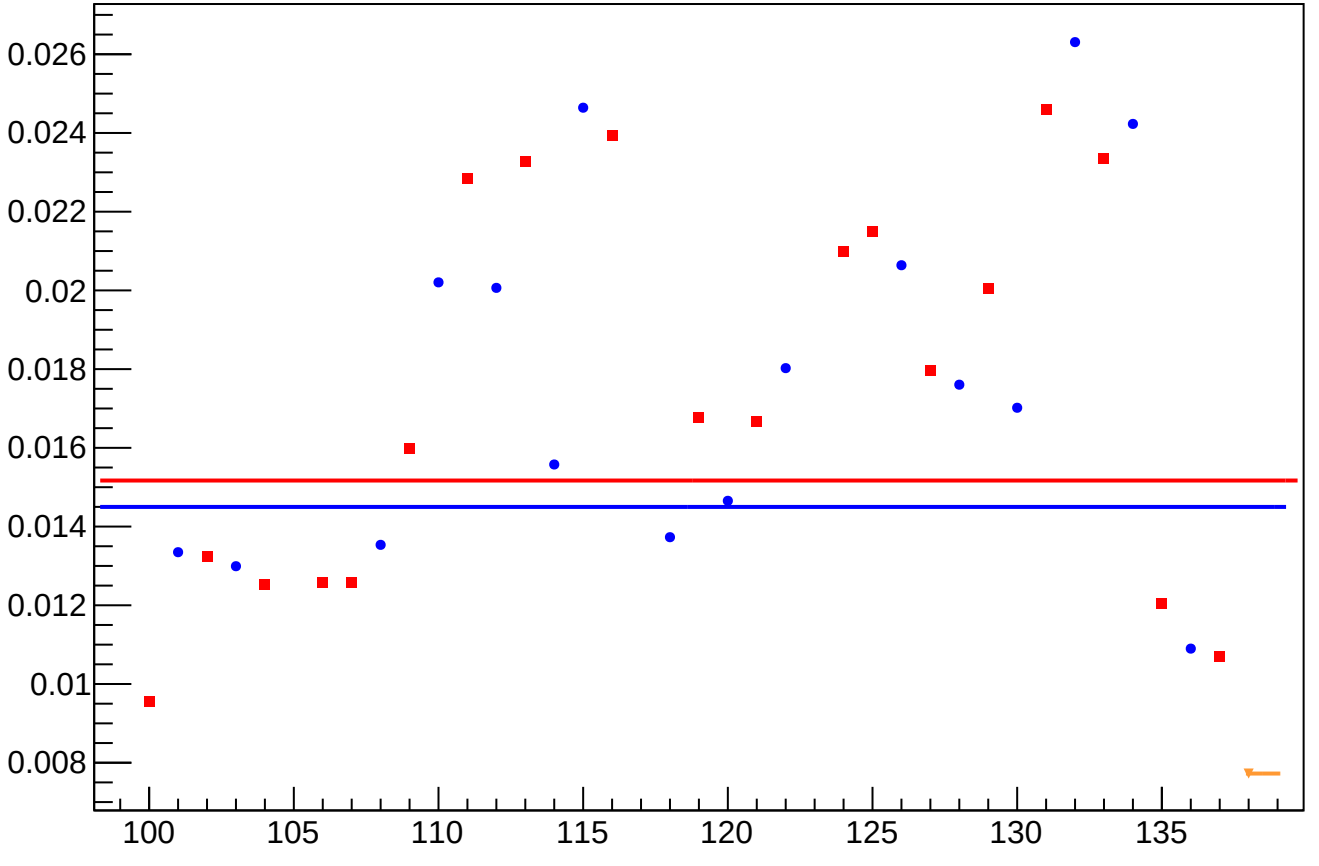
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 1.122+/-0.000 χ^2/NDF:1454303379.1/15

Out: 1.160+/-0.000 χ^2/NDF:1716446261.1/19

All: 1.144+/-0.000 χ^2/NDF: 3194121037.3/35

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.008+/-0.000 χ^2/NDF: 0.0/0

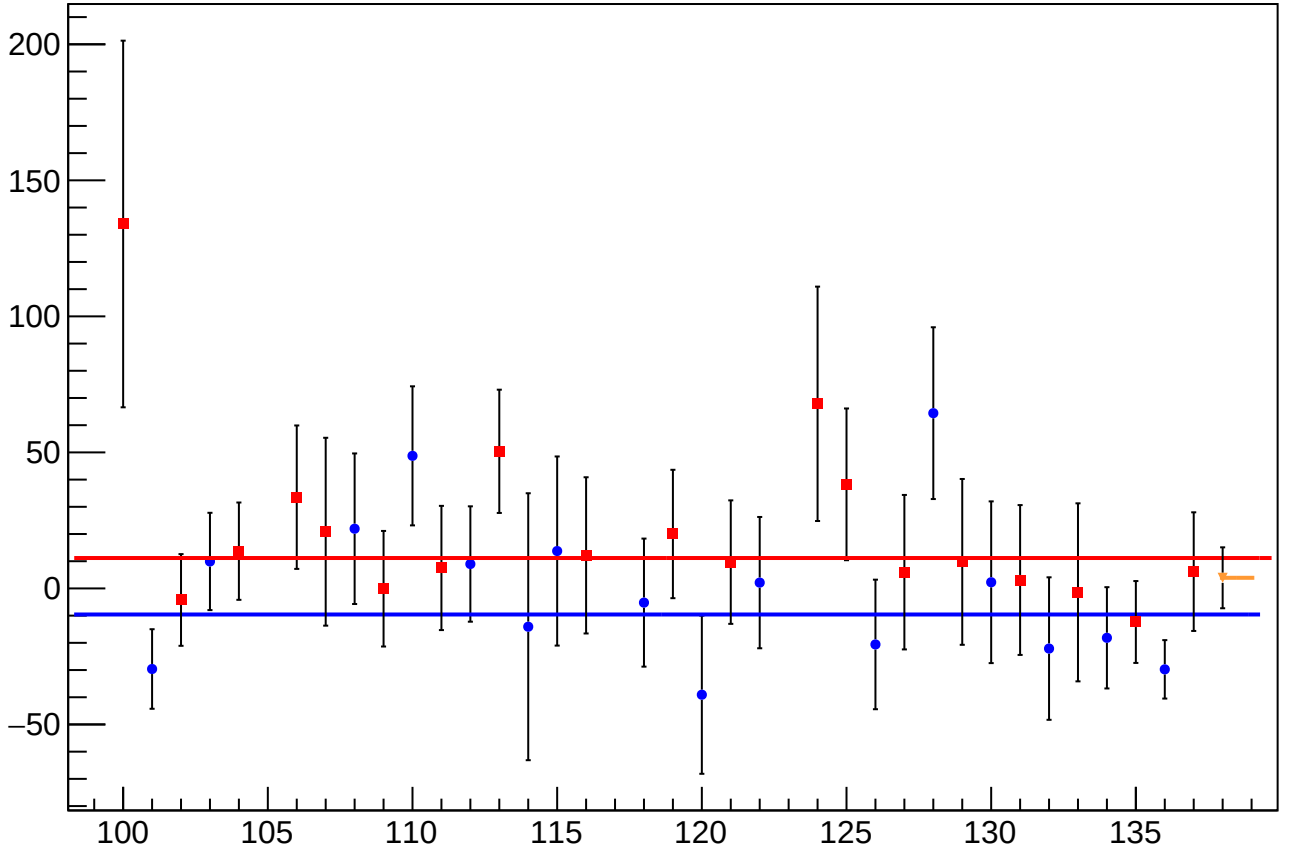
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.014+/-0.000 χ^2/NDF:710345.3/15

Out: 0.013+/-0.000 χ^2/NDF:1814621.0/19

All: 0.013+/-0.000 χ^2/NDF: 2622815.9/35

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: 3.905+/-11.198 χ^2/NDF:0.0/0

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

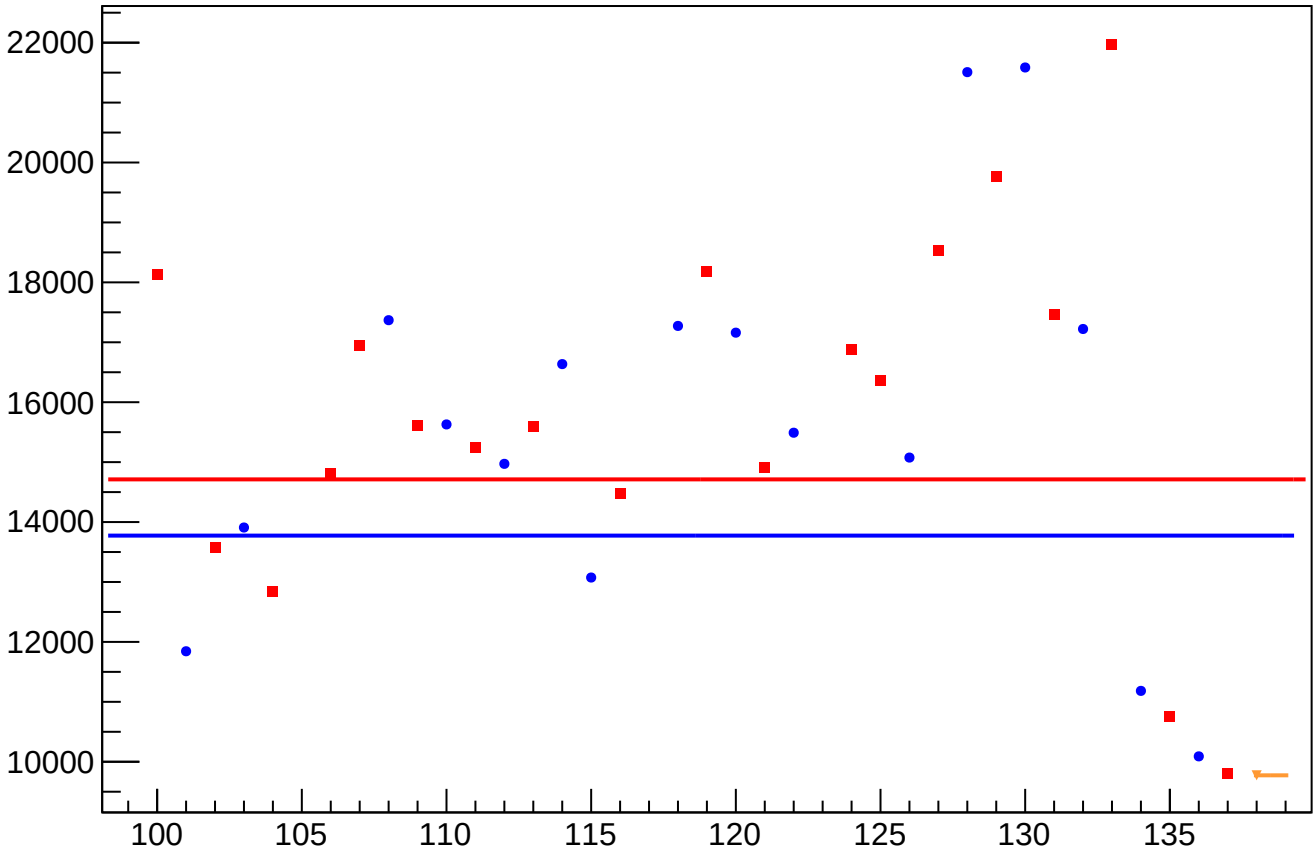
Left: 3.905+/-11.198 χ^2/NDF: 0.0/0

Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -9.581+/-5.291 χ^2/NDF:21.9/15

Out: 9.765+/-4.935 χ^2/NDF:14.2/19

All: 0.765+/-3.609 χ^2/NDF: 43.3/35



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9773.534+/-7.918 χ^2/NDF:0.0/0

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9773.534+/-7.918 χ^2/NDF: 0.0/0

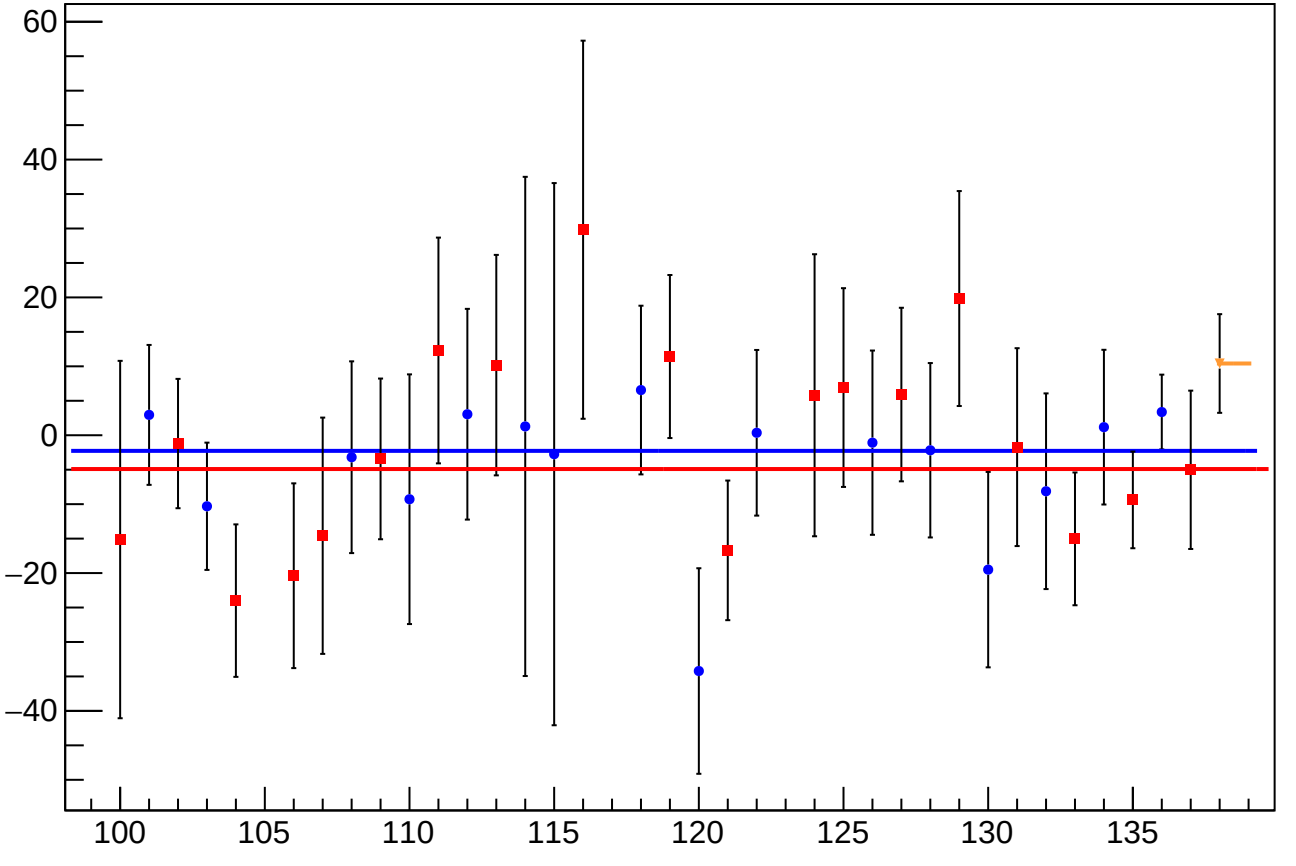
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 13773.886+/-3.741 χ^2/NDF:747586.2/15

Out: 13753.203+/-3.489 χ^2/NDF:870763.8/19

All: 13762.825+/-2.552 χ^2/NDF: 1618366.4/3

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 10.411+/-7.160 χ^2/NDF:0.0/0

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 10.411+/-7.160 χ^2/NDF: 0.0/0

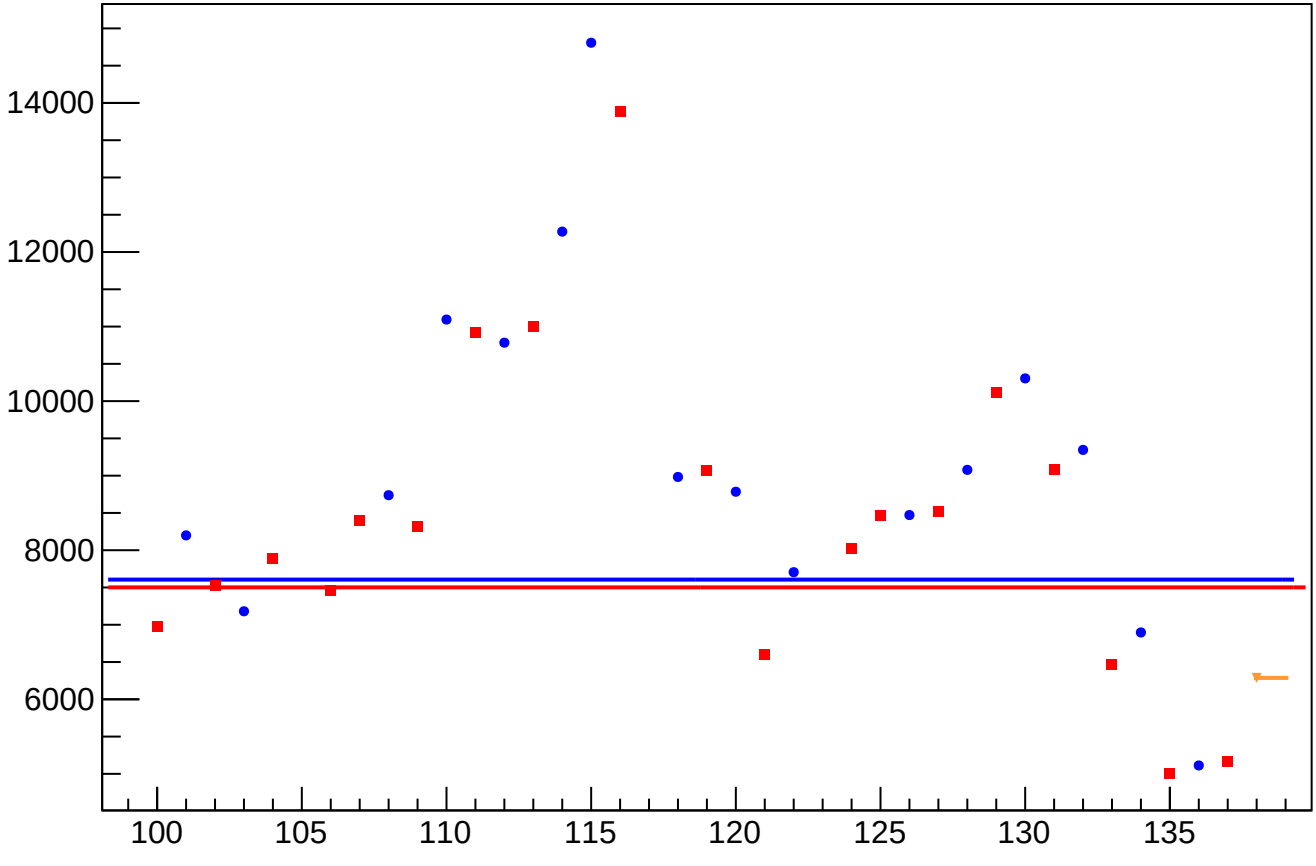
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -2.267+/-2.922 χ^2/NDF:9.3/15

Out: -2.827+/-2.637 χ^2/NDF:21.5/19

All: -2.576+/-1.958 χ^2/NDF: 30.8/35

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6286.979+/-5.063 χ^2/NDF:0.0/0

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6286.979+/-5.063 χ^2/NDF: 0.0/0

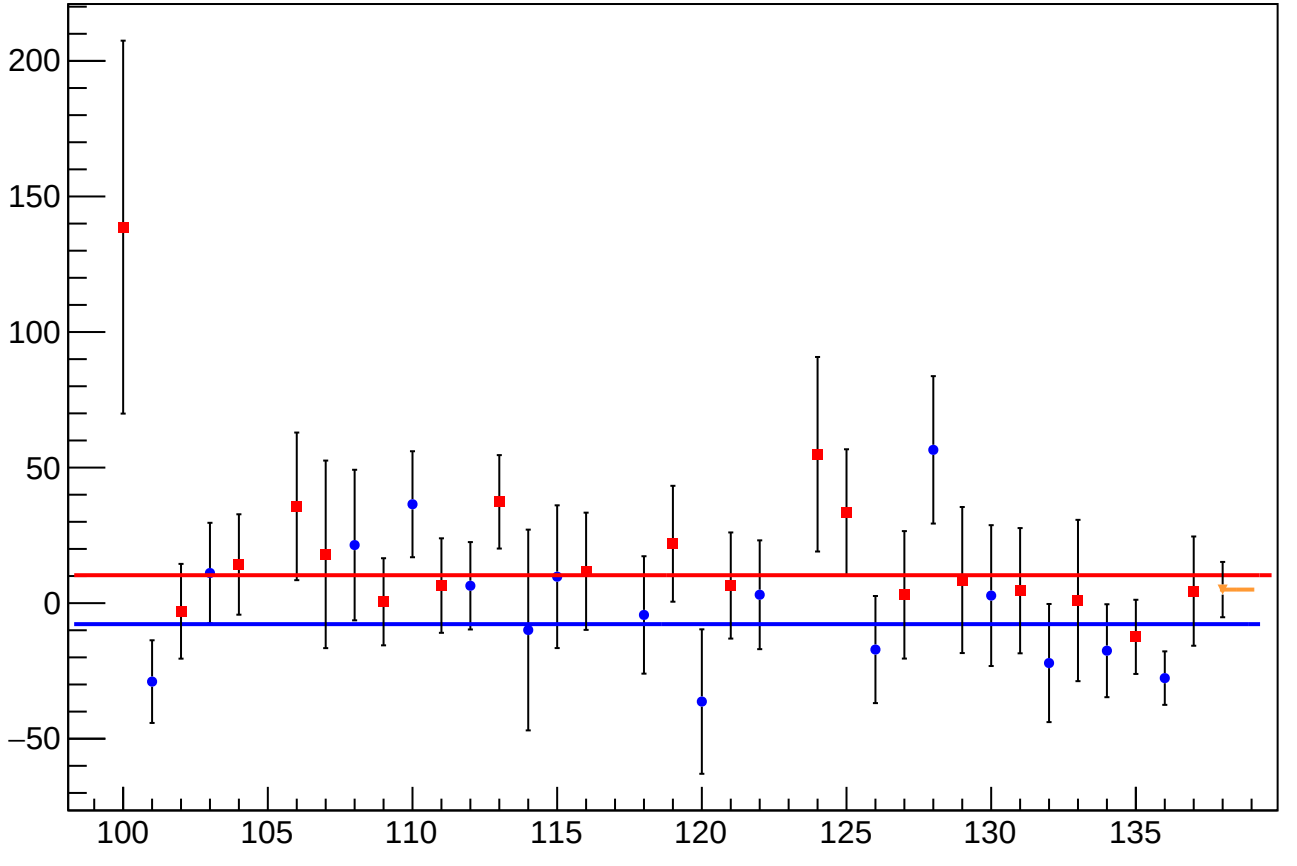
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 7605.700+/-2.066 χ^2/NDF:891494.3/15

Out: 7336.808+/-1.864 χ^2/NDF:873306.2/19

All: 7457.484+/-1.384 χ^2/NDF: 1774135.9/35

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: 5.004+/-10.204 χ^2/NDF:0.0/0

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 5.004+/-10.204 χ^2/NDF: 0.0/0

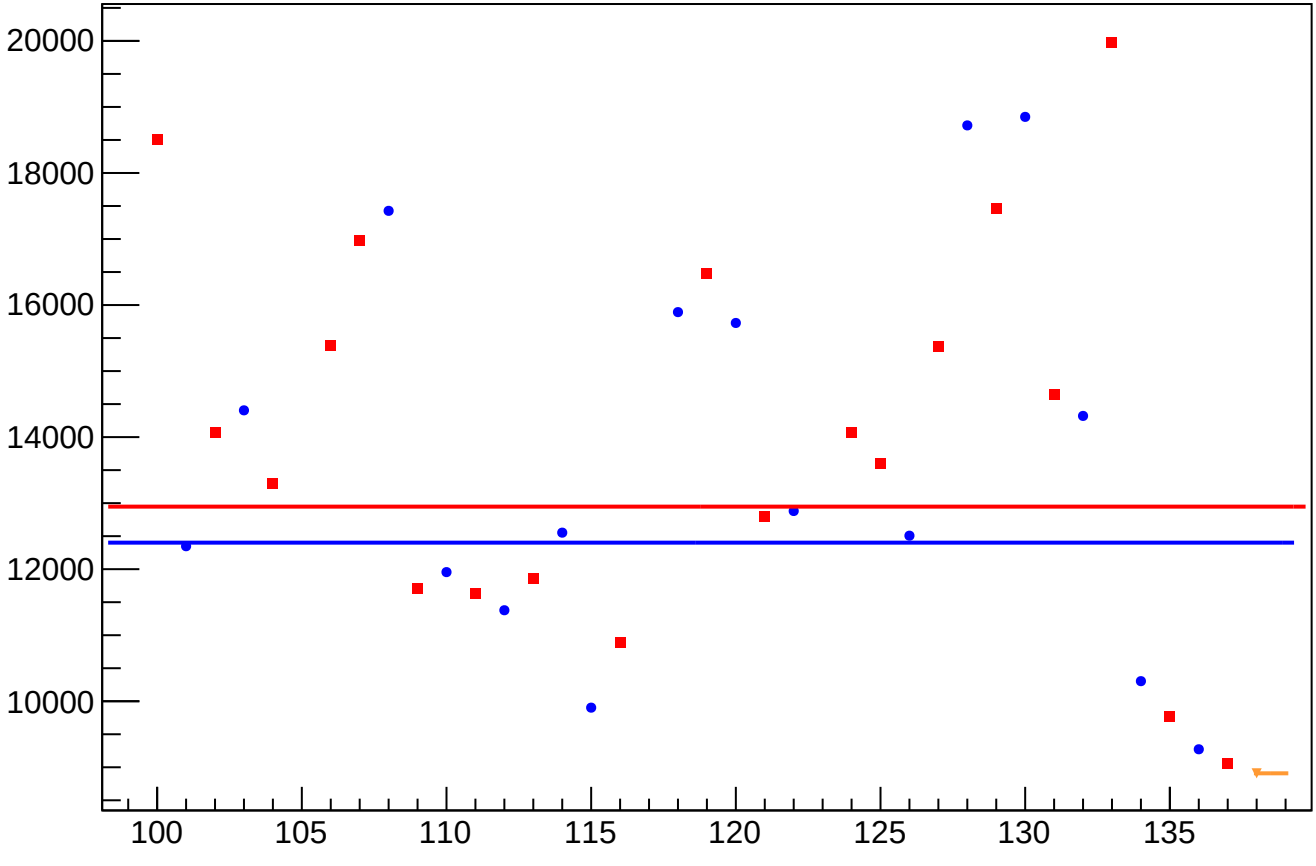
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -7.741+/-4.748 χ^2/NDF:22.7/15

Out: 9.334+/-4.373 χ^2/NDF:14.1/19

All: 1.498+/-3.217 χ^2/NDF: 43.8/35

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8908.405+/-7.215 χ^2/NDF:0.0/0

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 8908.405+/-7.215 χ^2/NDF: 0.0/0

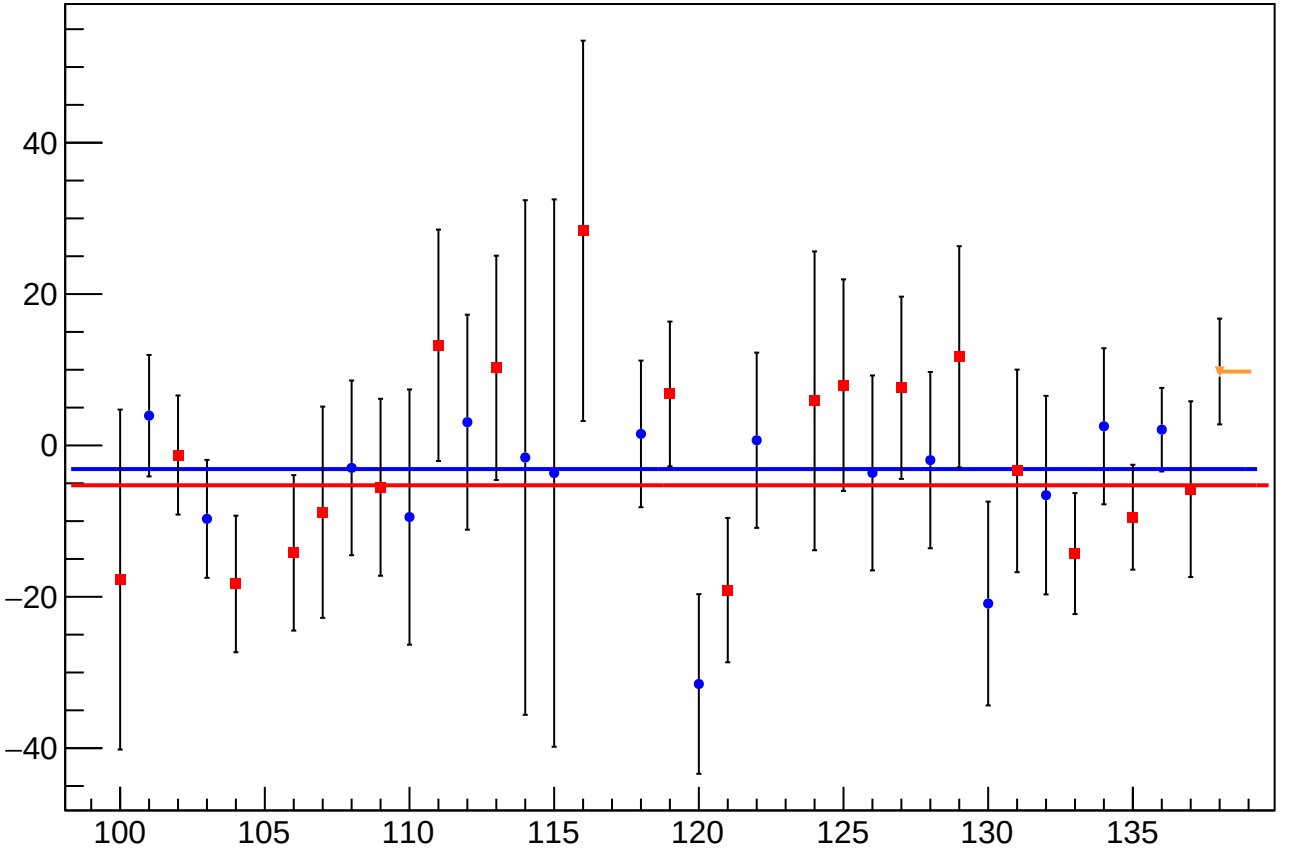
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 12401.769+/-3.357 χ^2/NDF:678310.8/15

Out: 12205.564+/-3.092 χ^2/NDF:810981.2/19

All: 12295.606+/-2.274 χ^2/NDF: 1491139.9/3

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 9.766+/-6.988 χ^2/NDF:0.0/0

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9.766+/-6.988 χ^2/NDF: 0.0/0

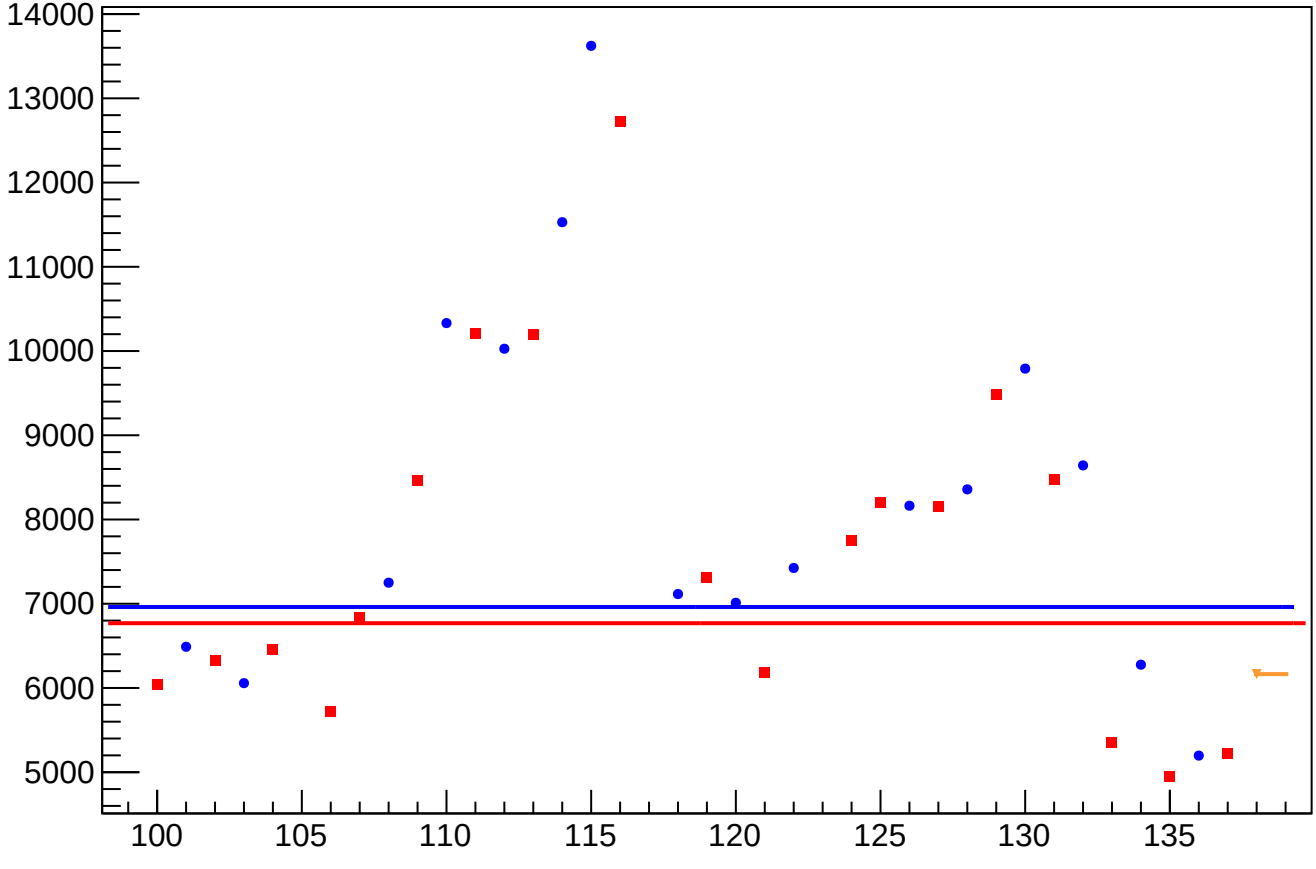
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -3.123+/-2.656 χ^2/NDF:10.9/15

Out: -3.495+/-2.398 χ^2/NDF:21.0/19

All: -3.328+/-1.780 χ^2/NDF: 31.9/35

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6164.595+/-4.942 χ^2/NDF:0.0/0

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6164.595+/-4.942 χ^2/NDF: 0.0/0

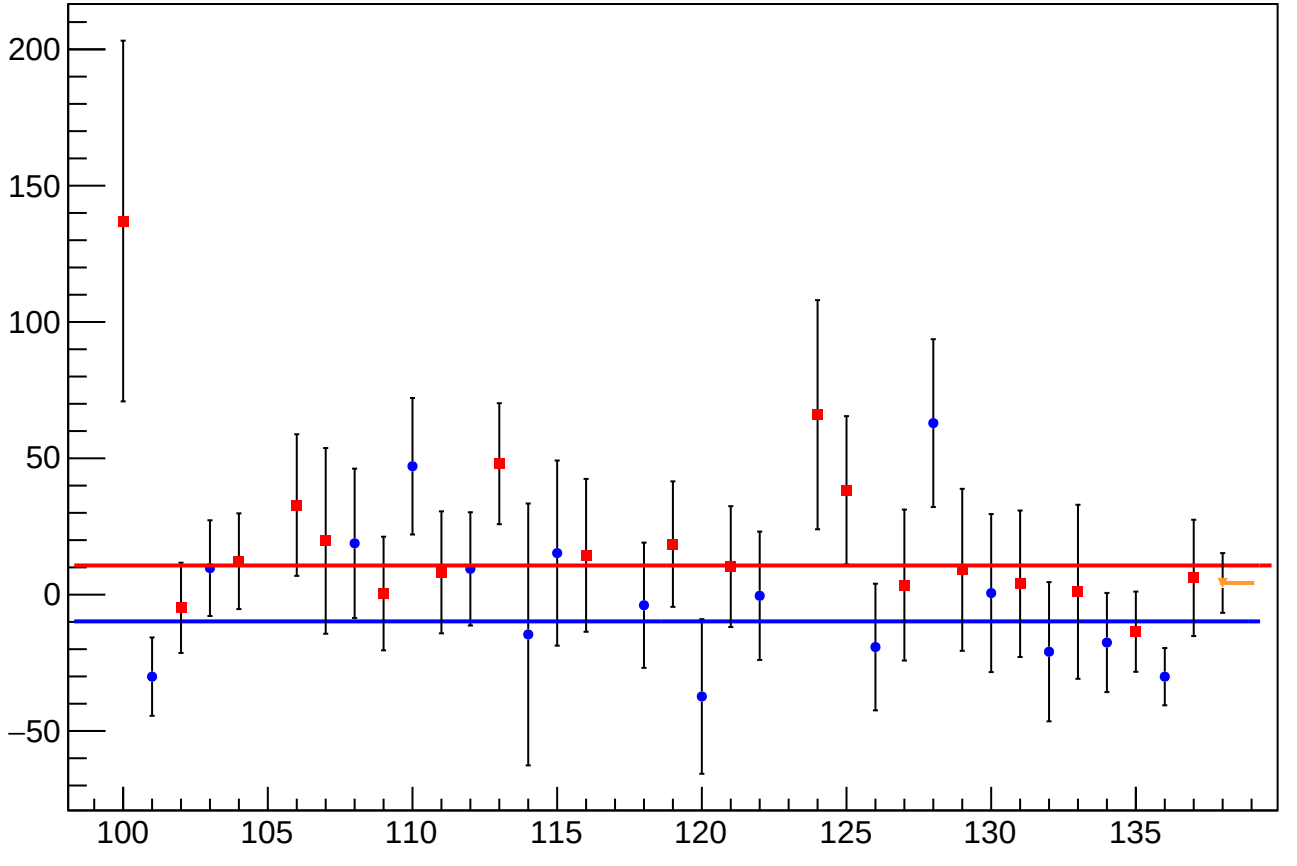
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6961.606+/-1.878 χ^2/NDF:696410.4/15

Out: 6697.826+/-1.696 χ^2/NDF:811303.1/19

All: 6816.304+/-1.259 χ^2/NDF: 1518582.7/35

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: 4.290+/-10.953 χ^2/NDF:0.0/0

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

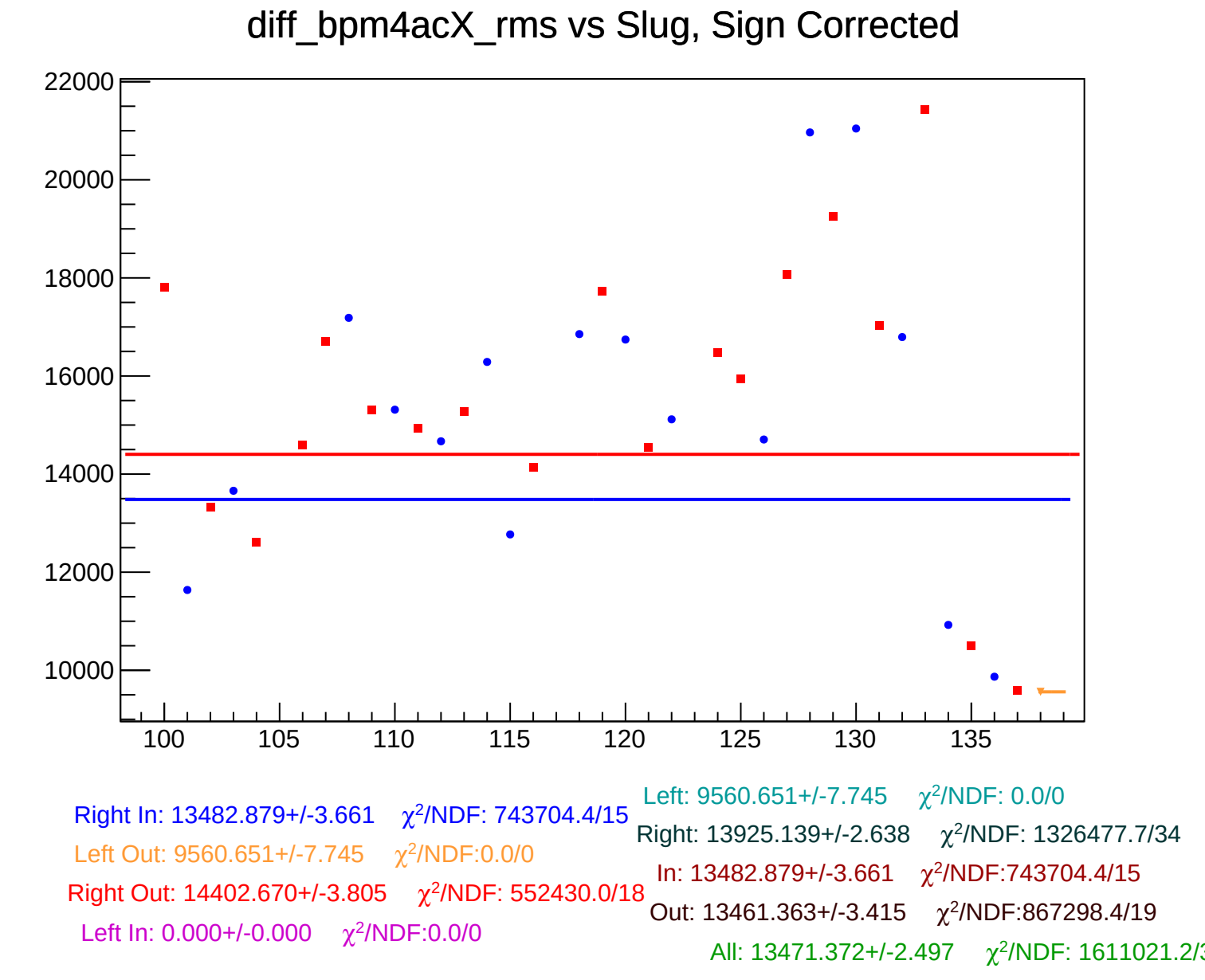
Left: 4.290+/-10.953 χ^2/NDF: 0.0/0

Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

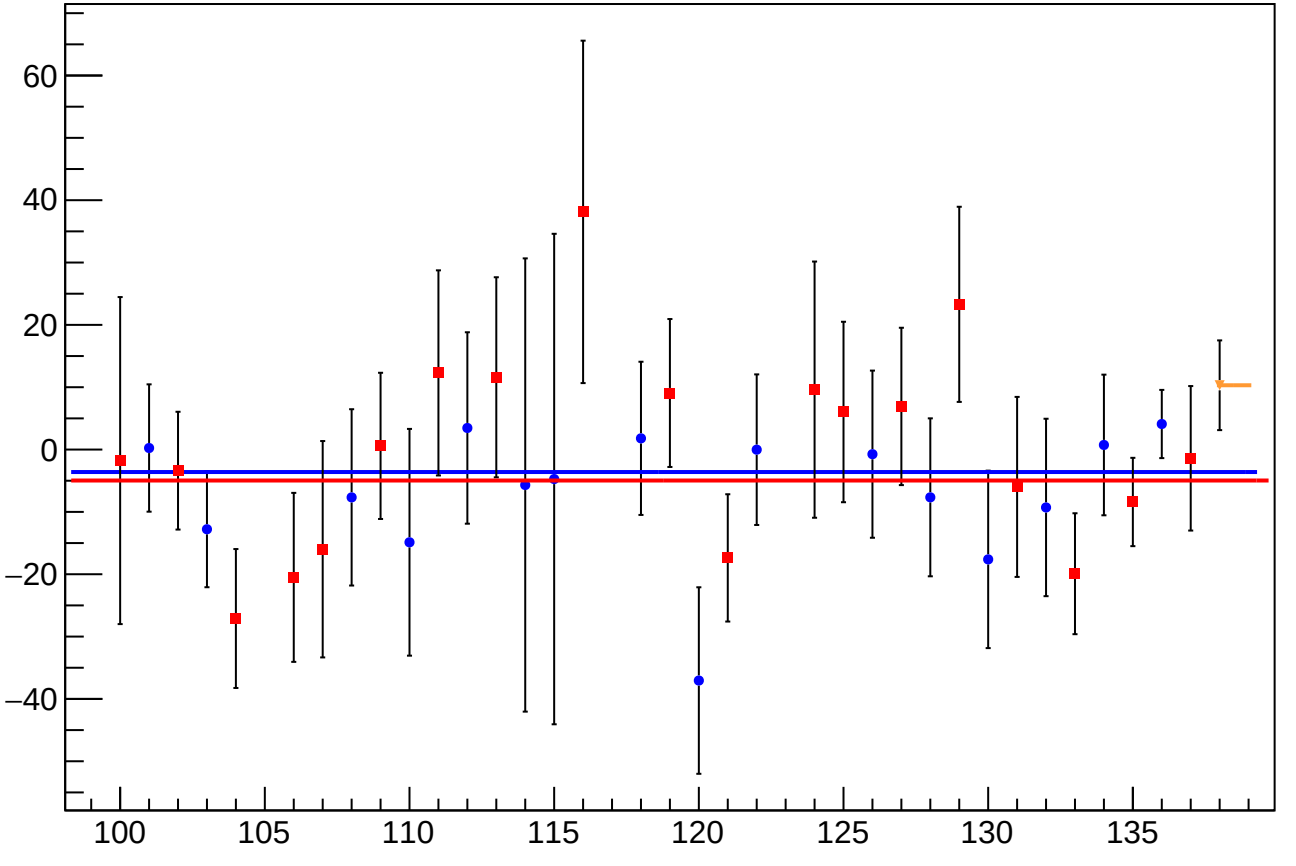
In: -9.810+/-5.178 χ^2/NDF:22.0/15

Out: 9.456+/-4.829 χ^2/NDF:14.6/19

All: 0.494+/-3.532 χ^2/NDF: 44.0/35


diff_bpm4acX_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
105
110
115
120
125
130
135
Right In: 13482.879+/-3.661 χ²/NDF: 743704.4/15
Left Out: 9560.651+/-7.745 χ²/NDF:0.0/0
Right Out: 14402.670+/-3.805 χ²/NDF: 552430.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 9560.651+/-7.745 χ²/NDF: 0.0/0
Right: 13925.139+/-2.638 χ²/NDF: 1326477.7/34
In: 13482.879+/-3.661 χ²/NDF:743704.4/15
Out: 13461.363+/-3.415 χ²/NDF:867298.4/19
All: 13471.372+/-2.497 χ²/NDF: 1611021.2/3

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 10.314+/-7.196 χ^2/NDF:0.0/0

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 10.314+/-7.196 χ^2/NDF: 0.0/0

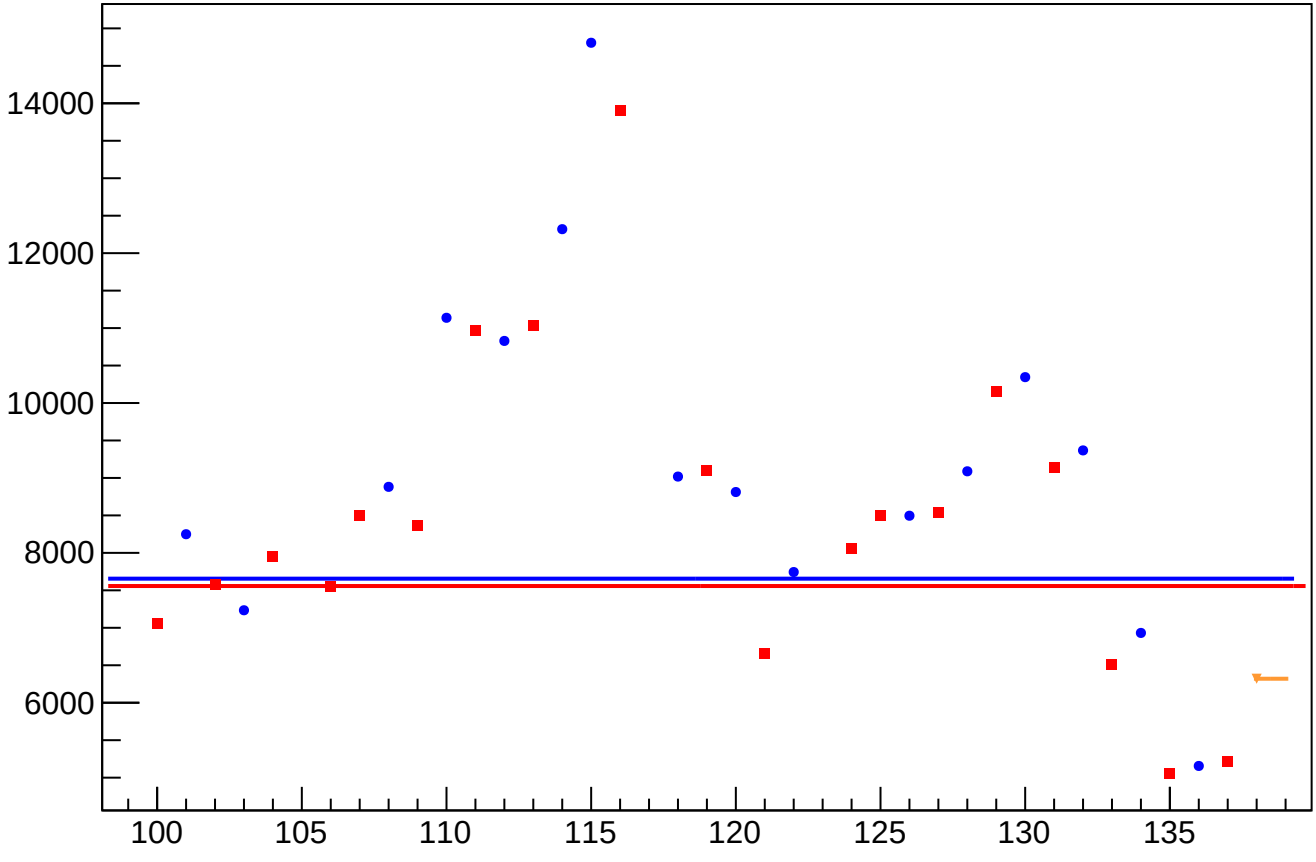
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -3.605+/-2.940 χ^2/NDF:10.5/15

Out: -2.887+/-2.654 χ^2/NDF:25.3/19

All: -3.210+/-1.970 χ^2/NDF: 35.8/35

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6320.237+/-5.089 χ^2/NDF:0.0/0

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6320.237+/-5.089 χ^2/NDF: 0.0/0

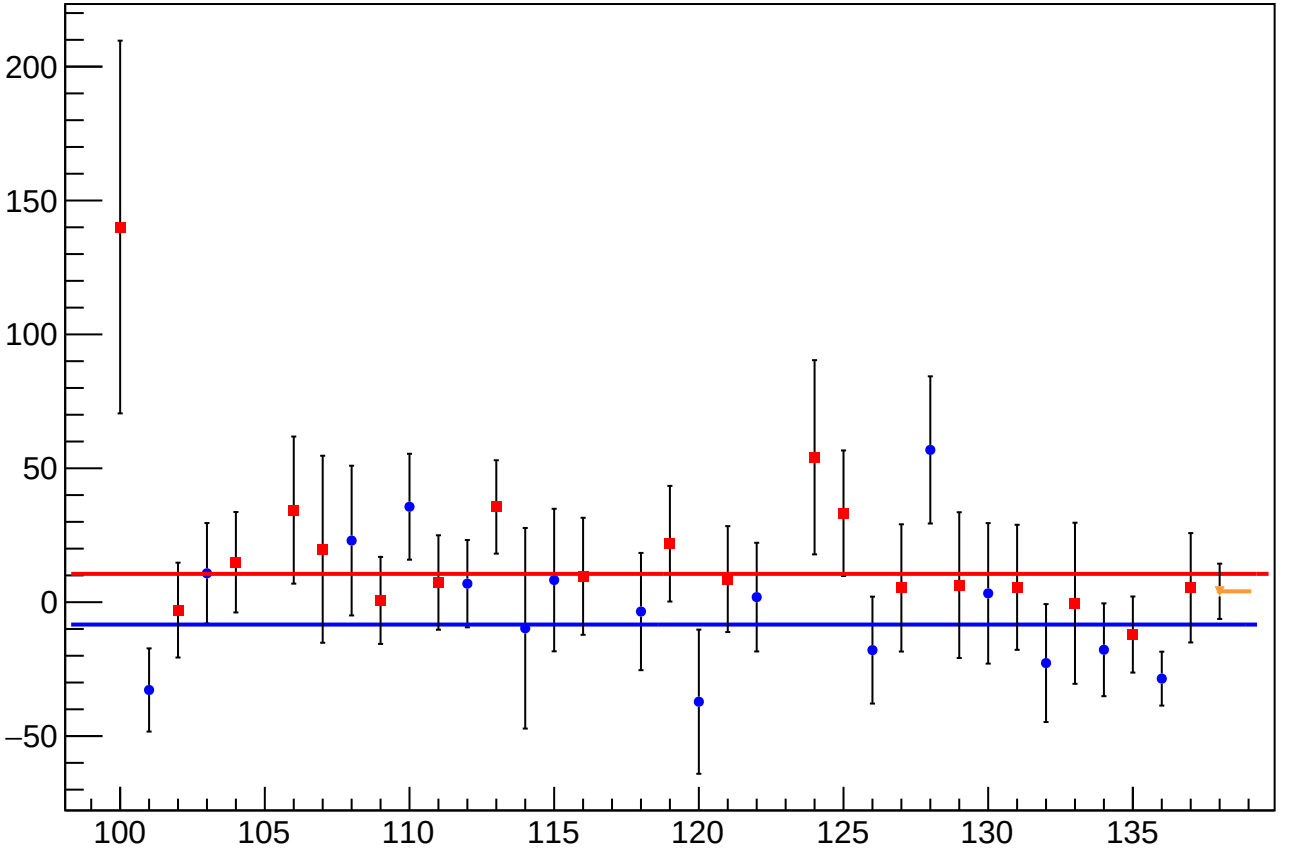
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 7655.851+/-2.079 χ^2/NDF:879769.7/15

Out: 7389.204+/-1.877 χ^2/NDF:860936.1/19

All: 7508.940+/-1.393 χ^2/NDF: 1749770.3/35

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: 4.066+/-10.325 χ^2/NDF:0.0/0

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4.066+/-10.325 χ^2/NDF: 0.0/0

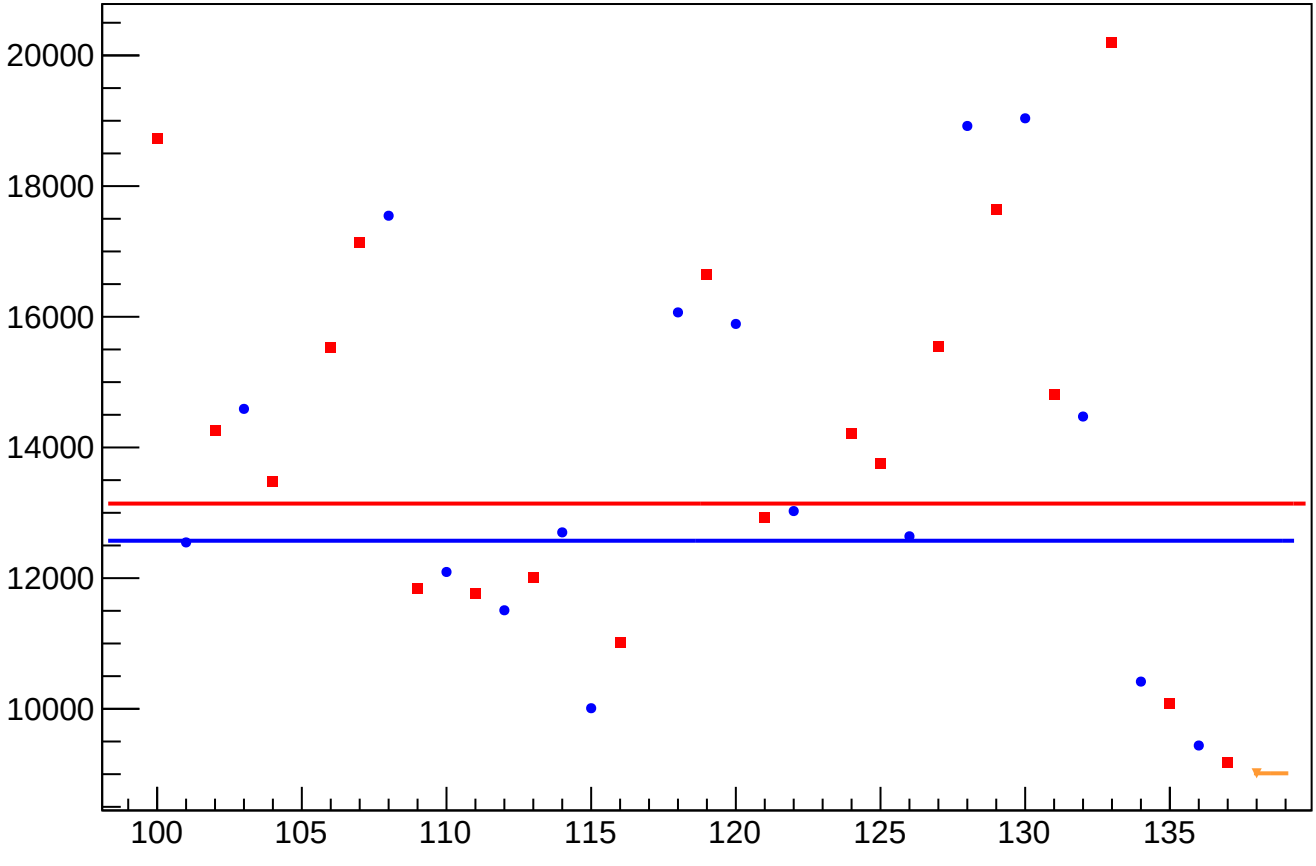
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -8.352+/-4.814 χ^2/NDF:23.2/15

Out: 9.373+/-4.435 χ^2/NDF:13.2/19

All: 1.236+/-3.262 χ^2/NDF: 43.8/35

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 9013.069+/-7.301 χ^2/NDF:0.0/0

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9013.069+/-7.301 χ^2/NDF: 0.0/0

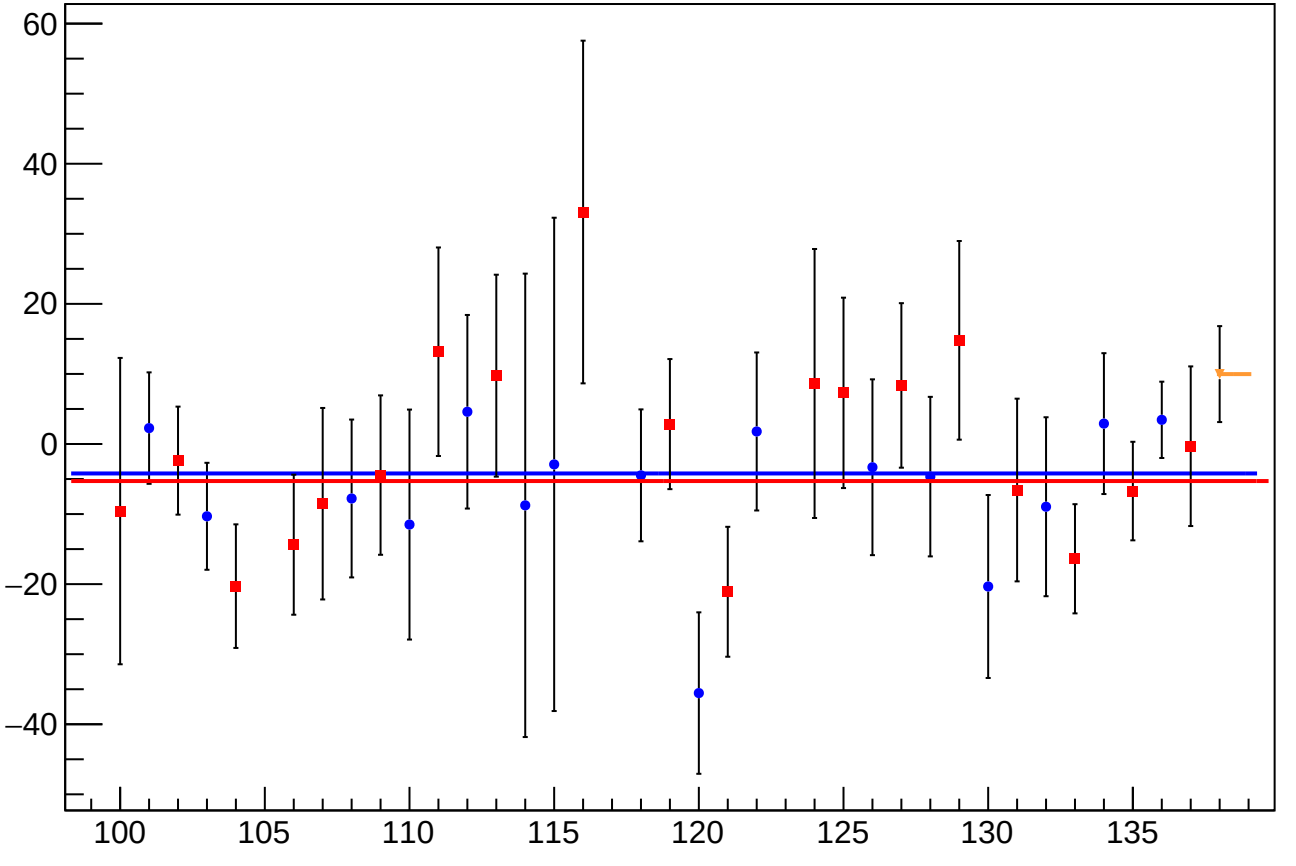
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 12572.586+/-3.404 χ^2/NDF:665026.8/15

Out: 12379.596+/-3.136 χ^2/NDF:795465.0/19

All: 12468.197+/-2.306 χ^2/NDF: 1462230.5/3

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 9.976+/-6.848 χ^2/NDF:0.0/0

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9.976+/-6.848 χ^2/NDF: 0.0/0

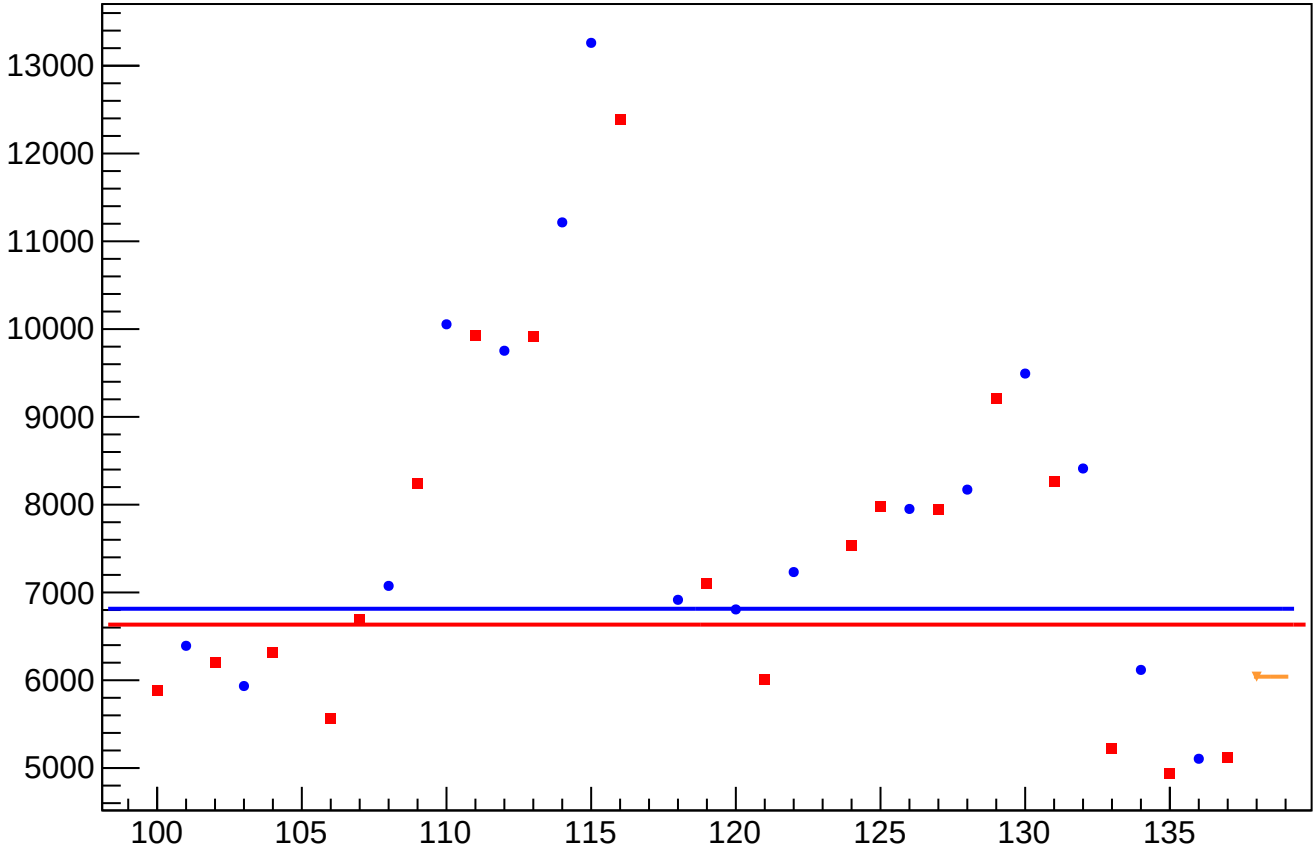
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -4.204+/-2.600 χ^2/NDF:13.9/15

Out: -3.490+/-2.350 χ^2/NDF:24.1/19

All: -3.811+/-1.744 χ^2/NDF: 38.0/35

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6040.691+/-4.842 χ^2/NDF:0.0/0

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

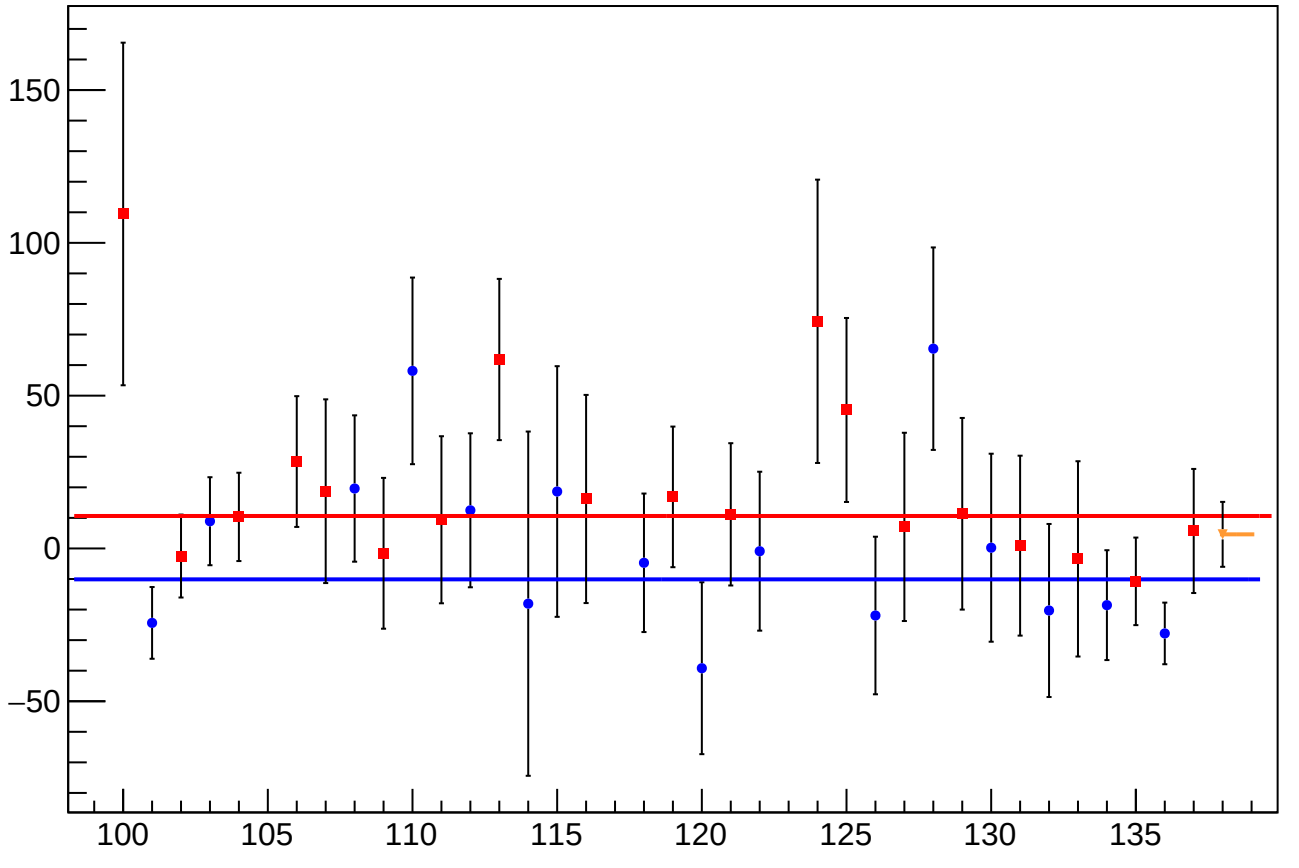
Left: 6040.691+/-4.842 χ^2/NDF: 0.0/0

Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6814.282+/-1.839 χ^2/NDF:674093.4/15

Out: 6563.858+/-1.662 χ^2/NDF:776578.6/19

All: 6676.441+/-1.233 χ^2/NDF: 1460881.8/35



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: 4.617+/-10.622 χ^2/NDF:0.0/0

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

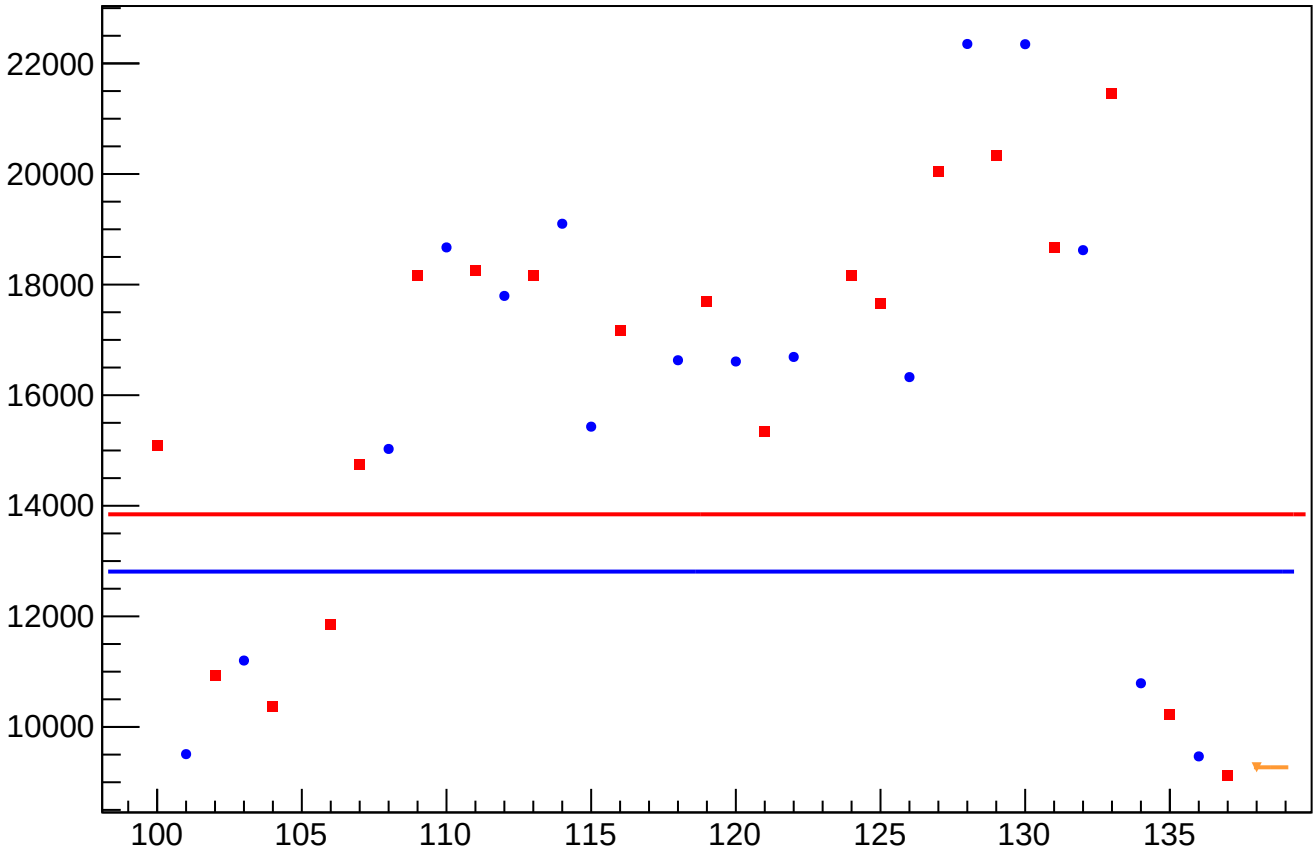
Left: 4.617+/-10.622 χ^2/NDF: 0.0/0

Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -10.113+/-5.017 χ^2/NDF:21.3/15

Out: 9.435+/-4.726 χ^2/NDF:15.0/19

All: 0.245+/-3.440 χ^2/NDF: 44.3/35



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 9270.427+/-7.511 χ^2/NDF:0.0/0

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

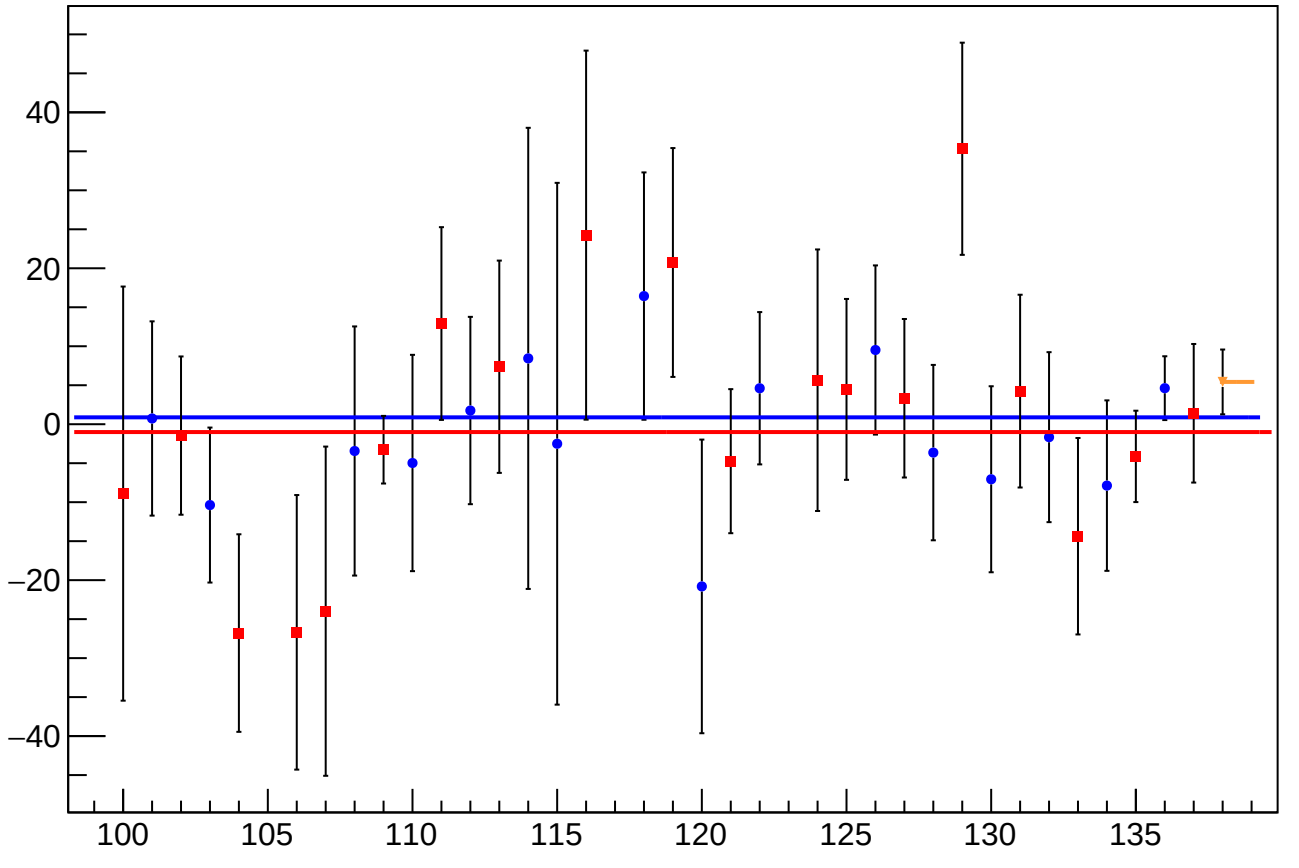
Left: 9270.427+/-7.511 χ^2/NDF: 0.0/0

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 12809.964+/-3.548 χ^2/NDF:1248252.1/15

Out: 12940.007+/-3.342 χ^2/NDF:1394175.5/19

All: 12878.873+/-2.432 χ^2/NDF: 2643139.6/3



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 5.424+/-4.155 χ^2/NDF:0.0/0

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

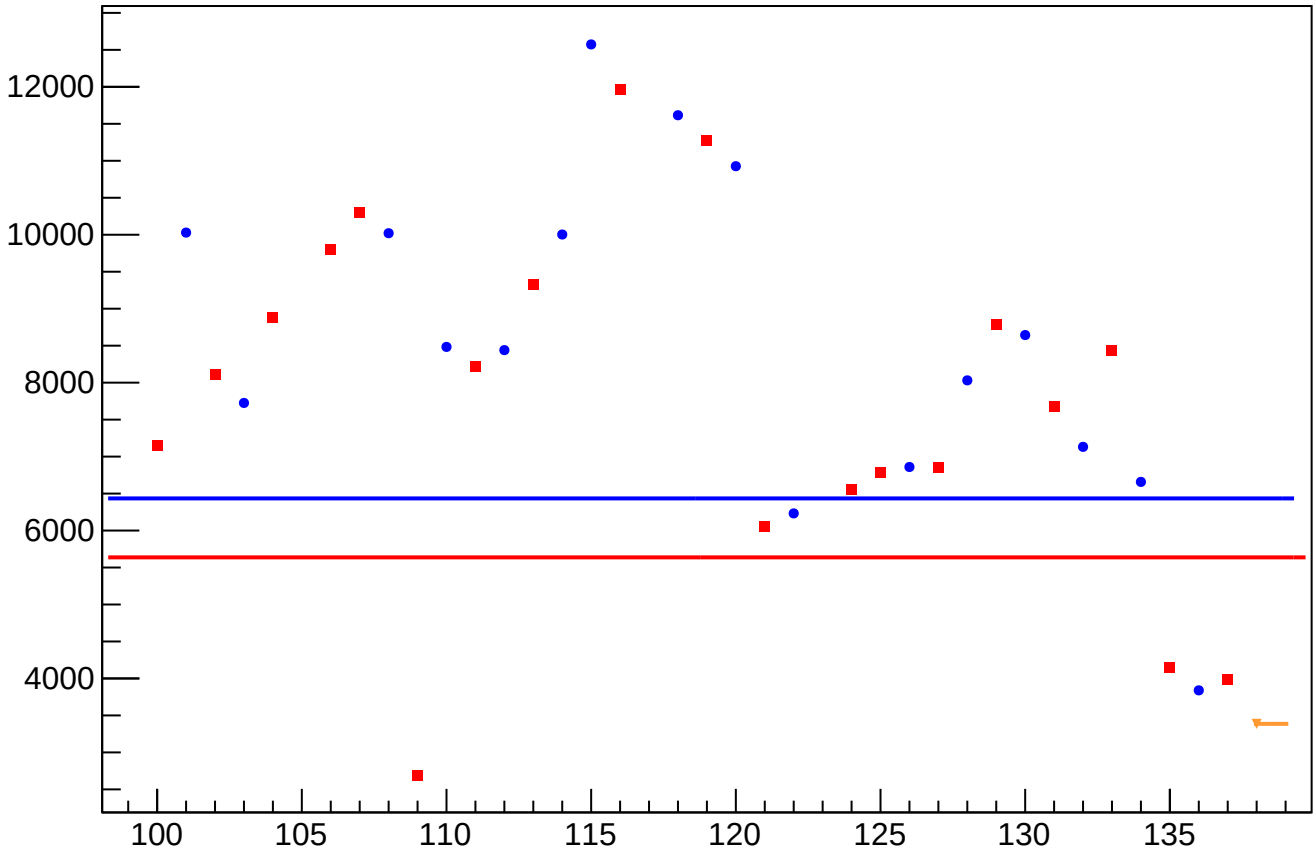
Left: 5.424+/-4.155 χ^2/NDF: 0.0/0

Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

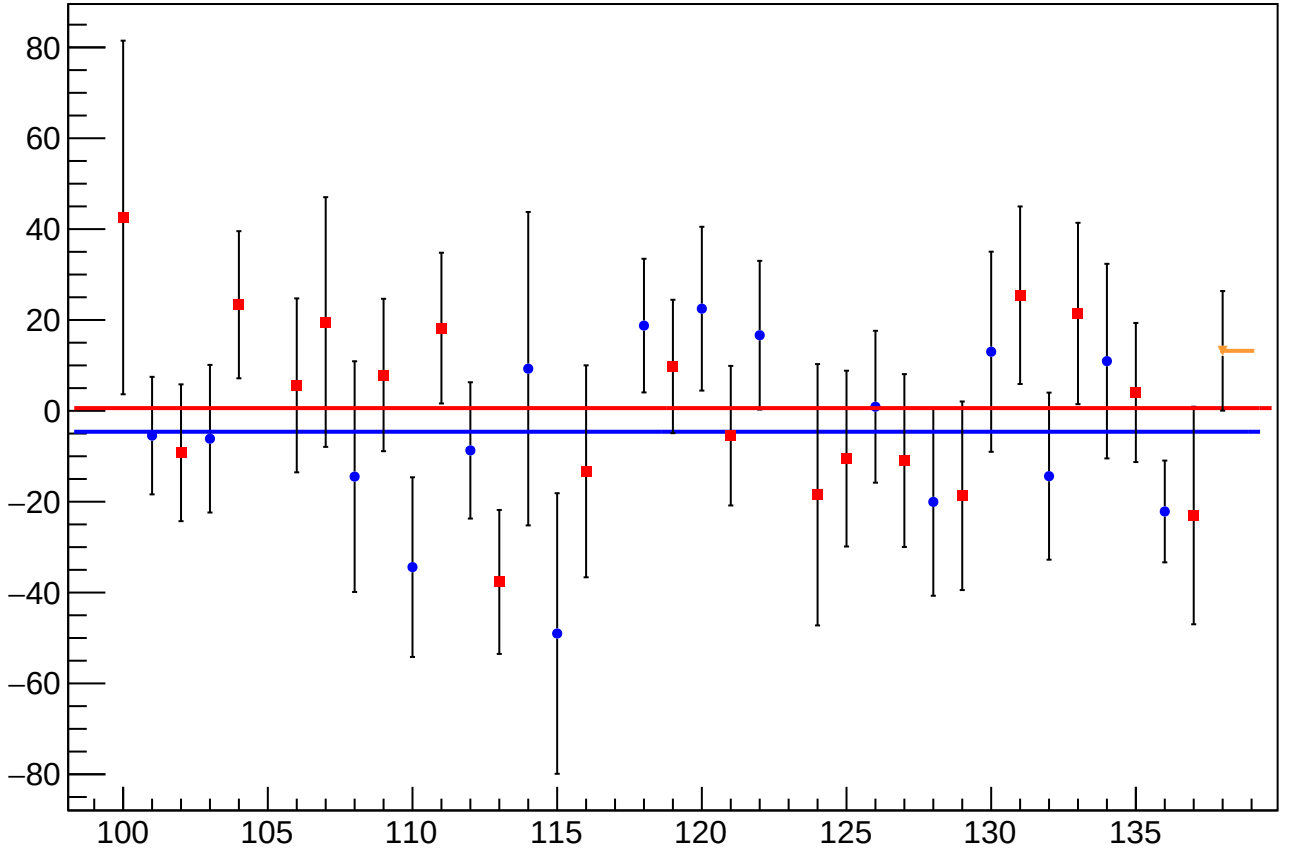
In: 0.882+/-2.566 χ^2/NDF:6.8/15

Out: 0.516+/-2.022 χ^2/NDF:24.1/19

All: 0.656+/-1.588 χ^2/NDF: 31.0/35


diff_bpm1Y_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
100
105
110
115
120
125
130
135
Right In: 6434.559+/-1.814 χ²/NDF: 1750609.4/15
Left Out: 3386.118+/-2.938 χ²/NDF:0.0/0
Right Out: 5637.344+/-1.636 χ²/NDF: 2580013.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 3386.118+/-2.938 χ²/NDF: 0.0/0
Right: 5994.862+/-1.215 χ²/NDF: 4437091.5/34
In: 6434.559+/-1.814 χ²/NDF:1750609.4/15
Out: 5104.397+/-1.429 χ²/NDF:3028190.6/19
All: 5613.781+/-1.123 χ²/NDF: 5110406.0/35

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 13.207+/-13.159 χ^2/NDF:0.0/0

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

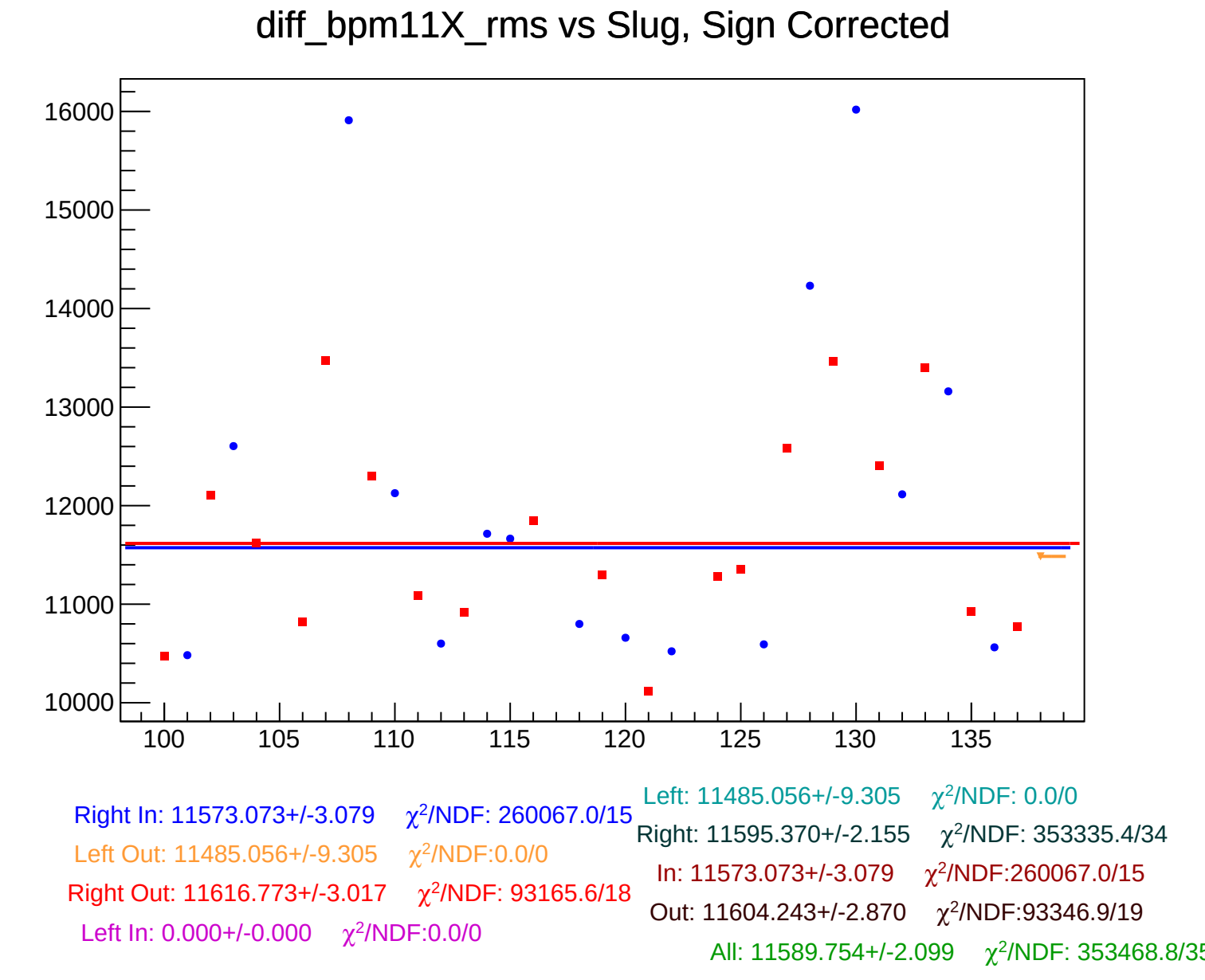
Left: 13.207+/-13.159 χ^2/NDF: 0.0/0

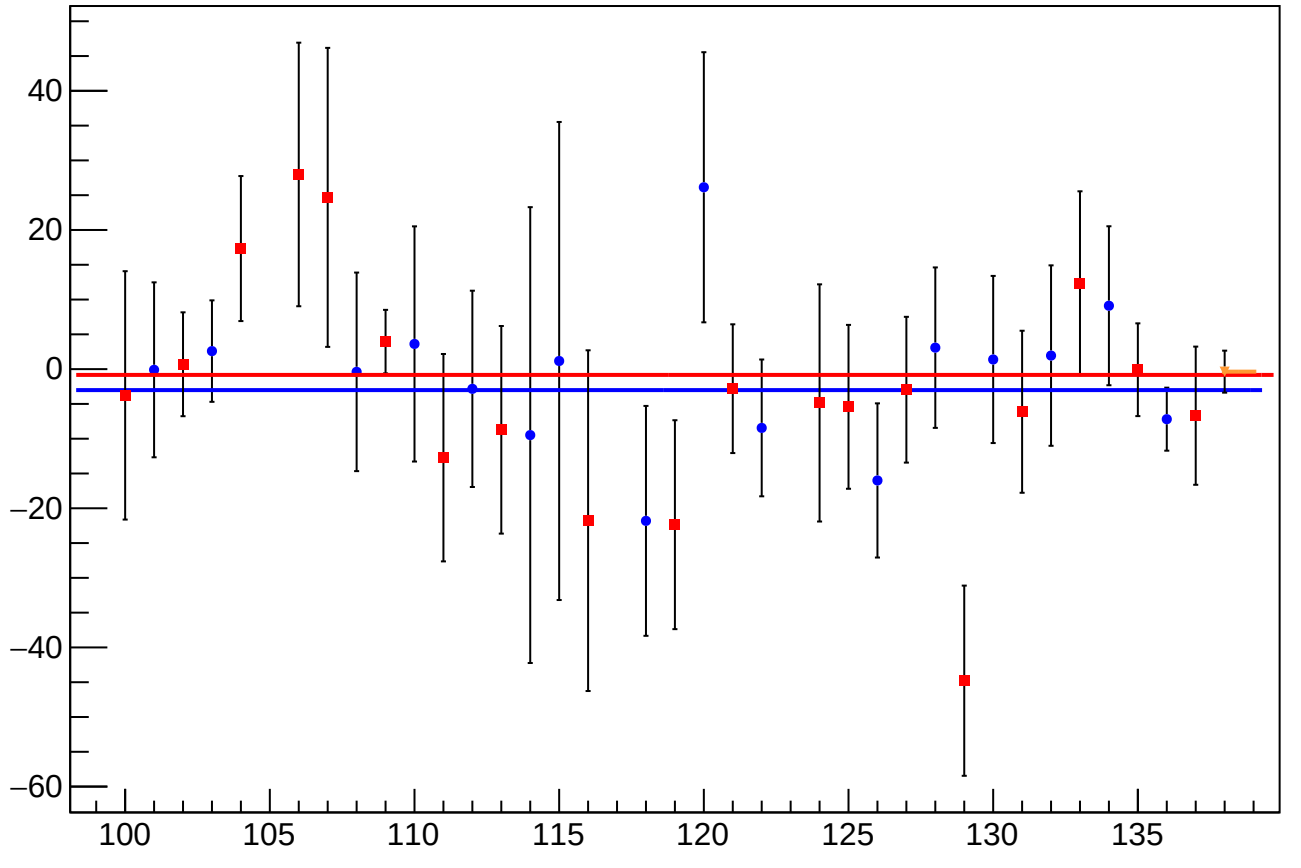
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -4.602+/-4.355 χ^2/NDF:15.8/15

Out: 1.799+/-4.059 χ^2/NDF:18.7/19

All: -1.176+/-2.969 χ^2/NDF: 35.7/35


diff_bpm11X_rms vs Slug, Sign Corrected
16000
15000
14000
13000
12000
11000
10000
100
105
110
115
120
125
130
135
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 11485.056+/-9.305 χ²/NDF:0.0/0
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 11485.056+/-9.305 χ²/NDF: 0.0/0
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 11573.073+/-3.079 χ²/NDF:260067.0/15
Out: 11604.243+/-2.870 χ²/NDF:93346.9/19
All: 11589.754+/-2.099 χ²/NDF: 353468.8/35



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.362+/-3.017 χ^2/NDF:0.0/0

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

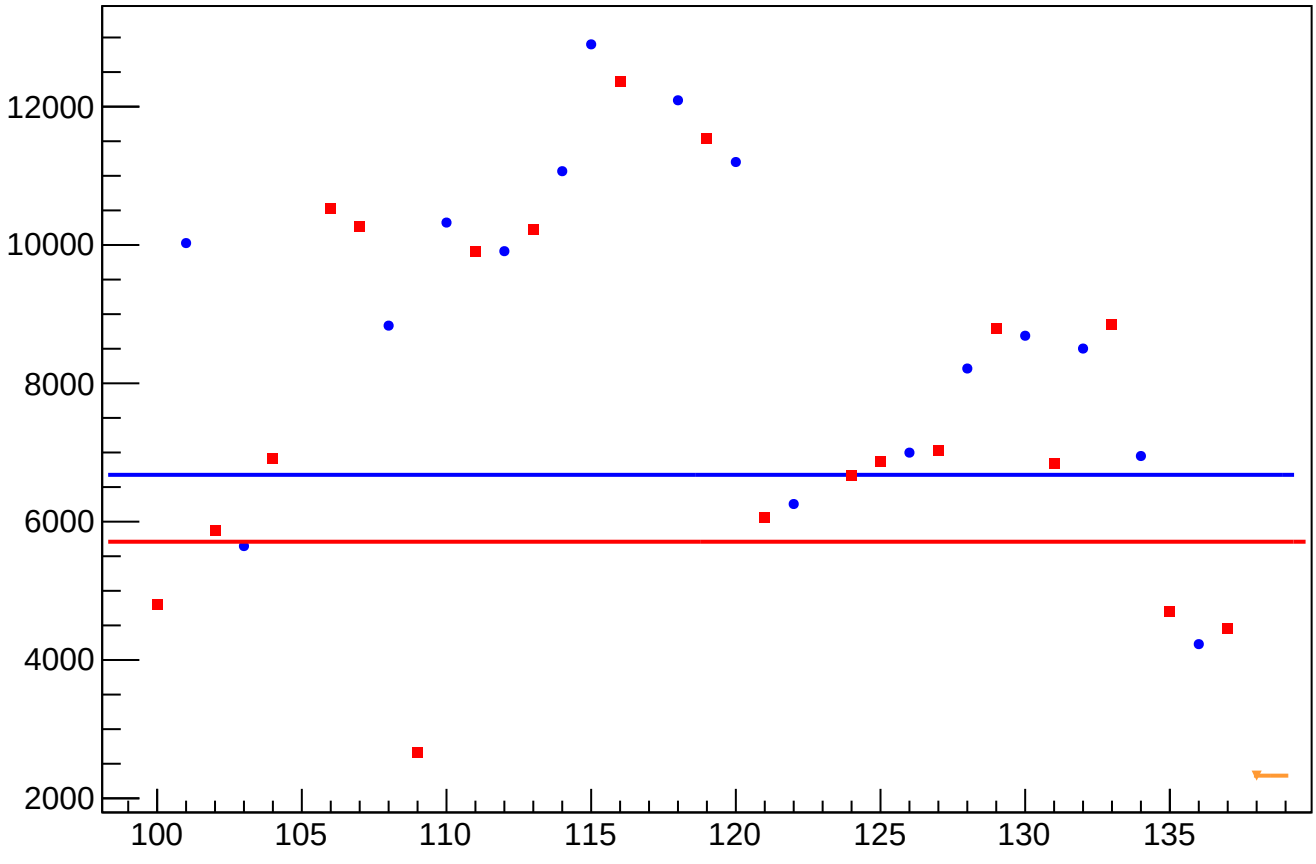
Left: -0.362+/-3.017 χ^2/NDF: 0.0/0

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: -3.014+/-2.654 χ^2/NDF:8.7/15

Out: -0.654+/-1.855 χ^2/NDF:23.8/19

All: -1.428+/-1.520 χ^2/NDF: 33.0/35



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 2327.823+/-2.134 χ^2/NDF:0.0/0

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2327.823+/-2.134 χ^2/NDF: 0.0/0

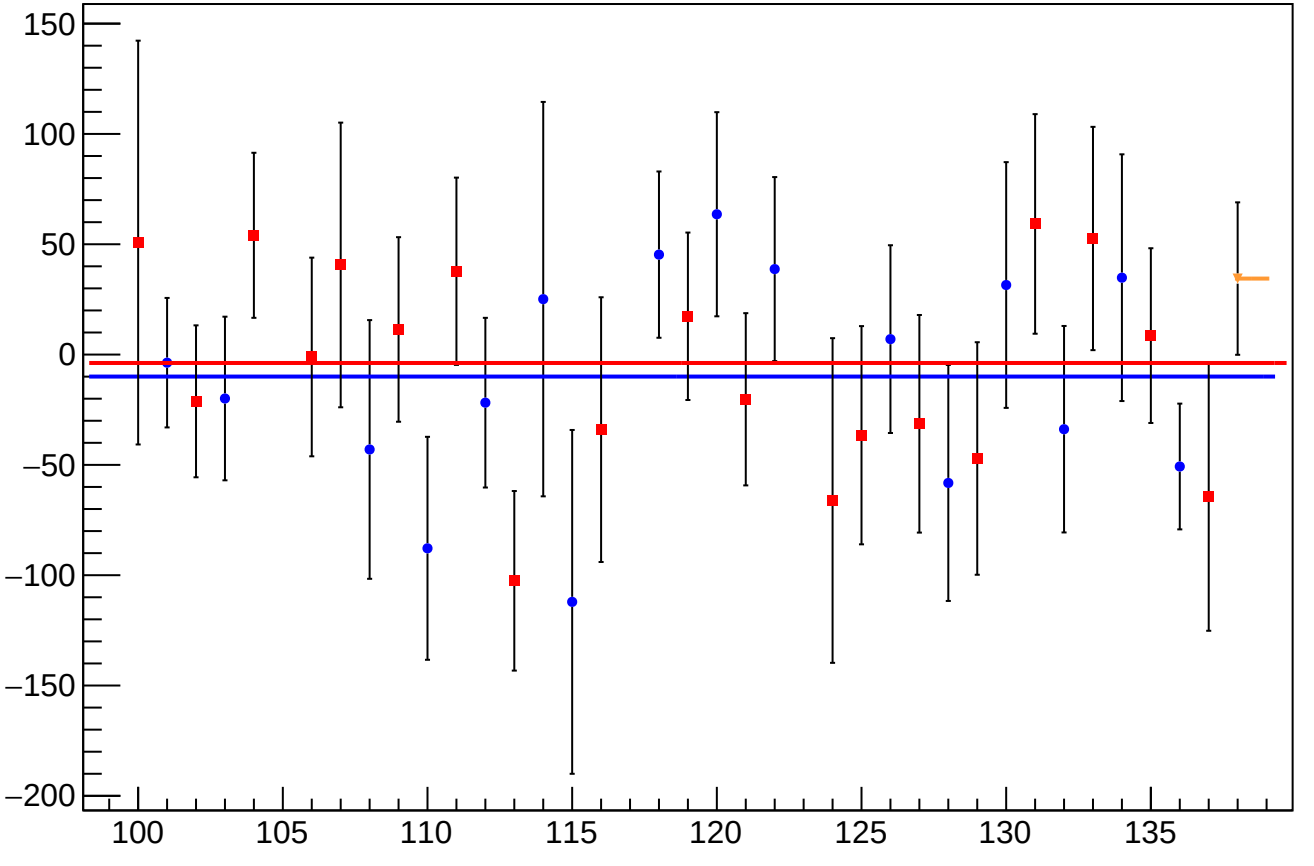
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 6676.920+/-1.877 χ^2/NDF:1572864.3/15

Out: 4431.870+/-1.312 χ^2/NDF:3864139.0/19

All: 5168.608+/-1.075 χ^2/NDF: 6398518.5/35

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 34.443+/-34.547 χ^2/NDF:0.0/0

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 34.443+/-34.547 χ^2/NDF: 0.0/0

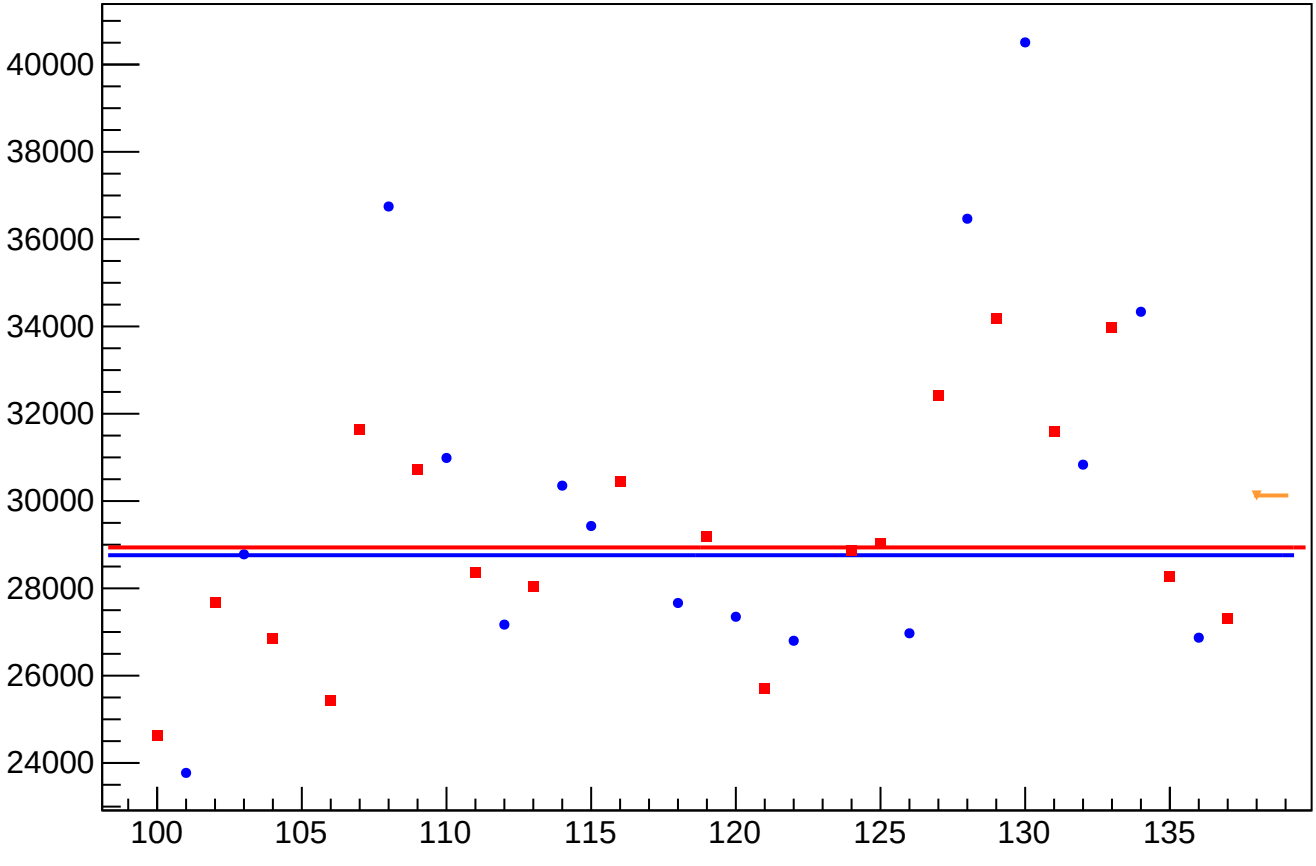
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -9.969+/-10.836 χ^2/NDF:15.3/15

Out: -0.501+/-10.165 χ^2/NDF:18.4/19

All: -4.933+/-7.414 χ^2/NDF: 34.1/35

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 30127.865+/-24.429 χ^2/NDF:0.0/0

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

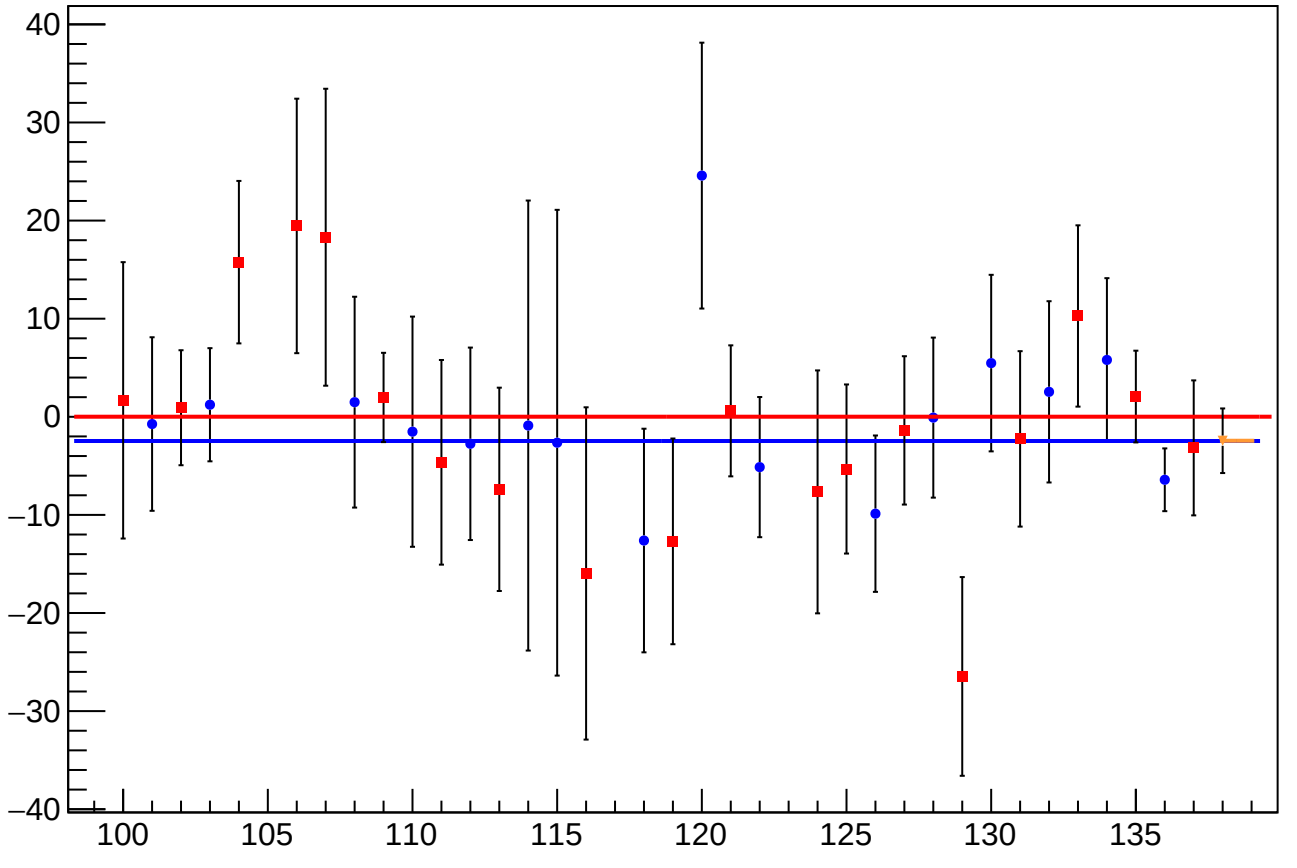
Left: 30127.865+/-24.429 χ^2/NDF: 0.0/0

Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28759.090+/-7.662 χ^2/NDF:277639.9/15

Out: 29040.683+/-7.188 χ^2/NDF:108434.4/19

All: 28908.873+/-5.242 χ^2/NDF: 386792.6/35



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -2.442+/-3.293 χ^2/NDF:0.0/0

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -2.442+/-3.293 χ^2/NDF: 0.0/0

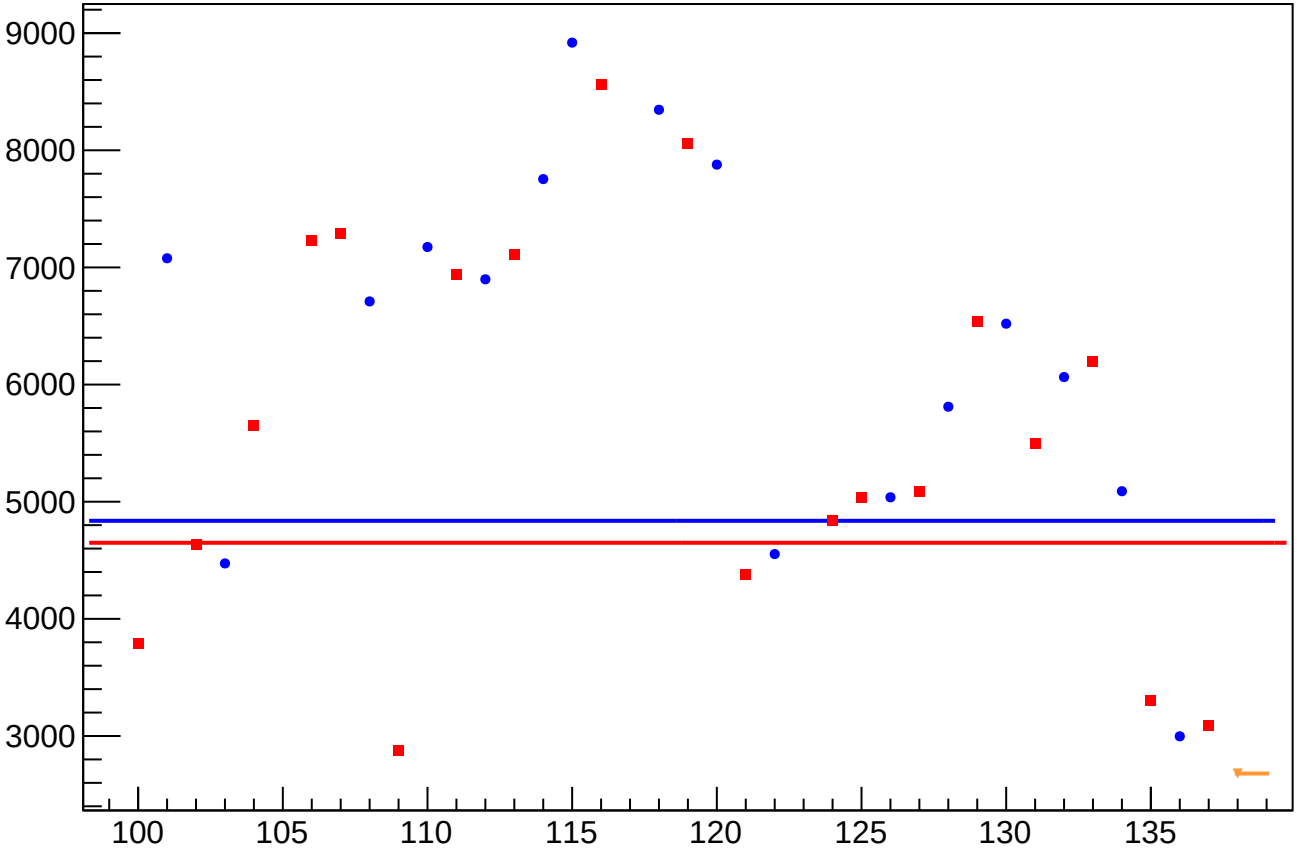
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: -2.467+/-1.916 χ^2/NDF:10.0/15

Out: -0.568+/-1.598 χ^2/NDF:20.4/19

All: -1.348+/-1.227 χ^2/NDF: 31.0/35

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 2679.687+/-2.328 χ^2/NDF:0.0/0

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2679.687+/-2.328 χ^2/NDF: 0.0/0

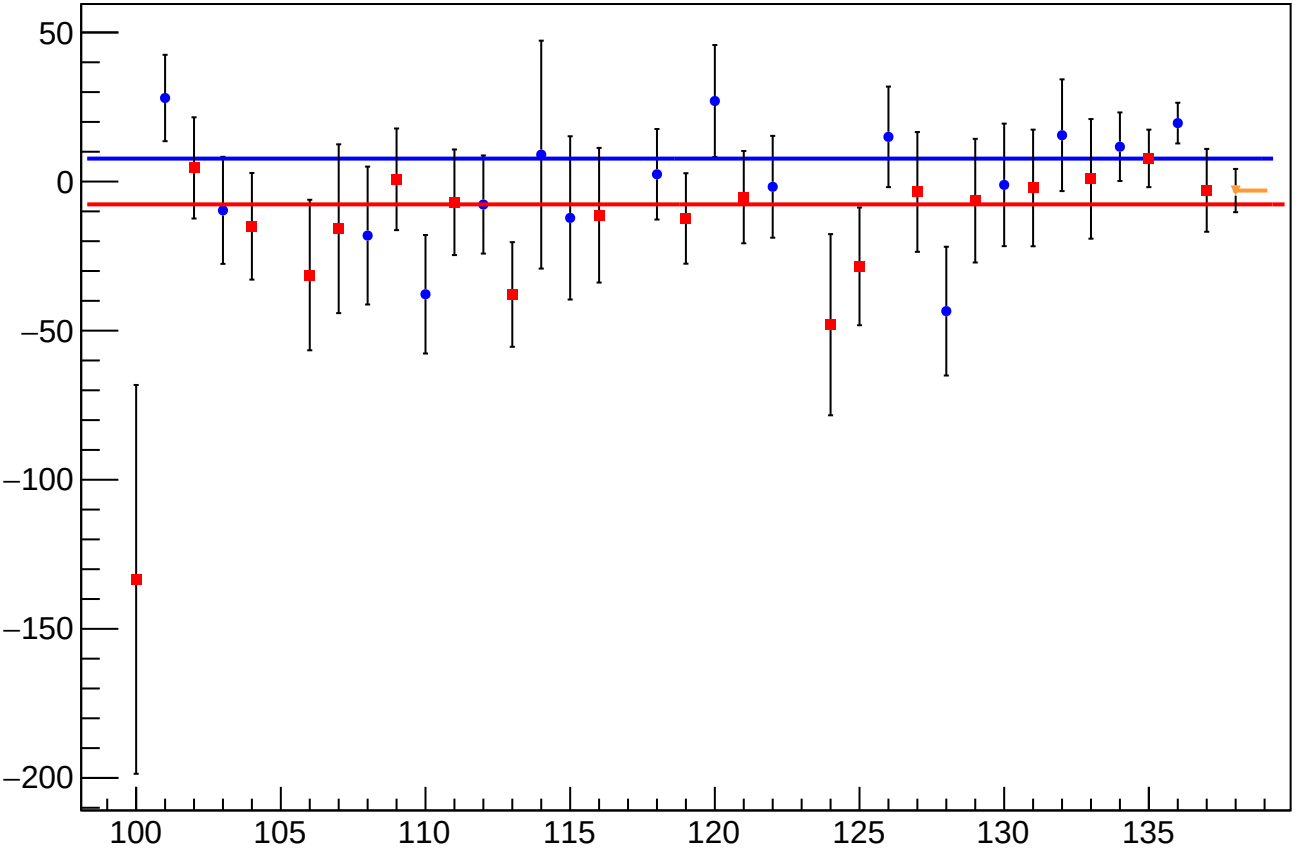
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4837.176+/-1.355 χ^2/NDF:1547766.9/15

Out: 4185.423+/-1.130 χ^2/NDF:1981765.3/19

All: 4452.916+/-0.868 χ^2/NDF: 3666025.5/35

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: -3.019+/-7.257 χ^2/NDF:0.0/0

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -3.019+/-7.257 χ^2/NDF: 0.0/0

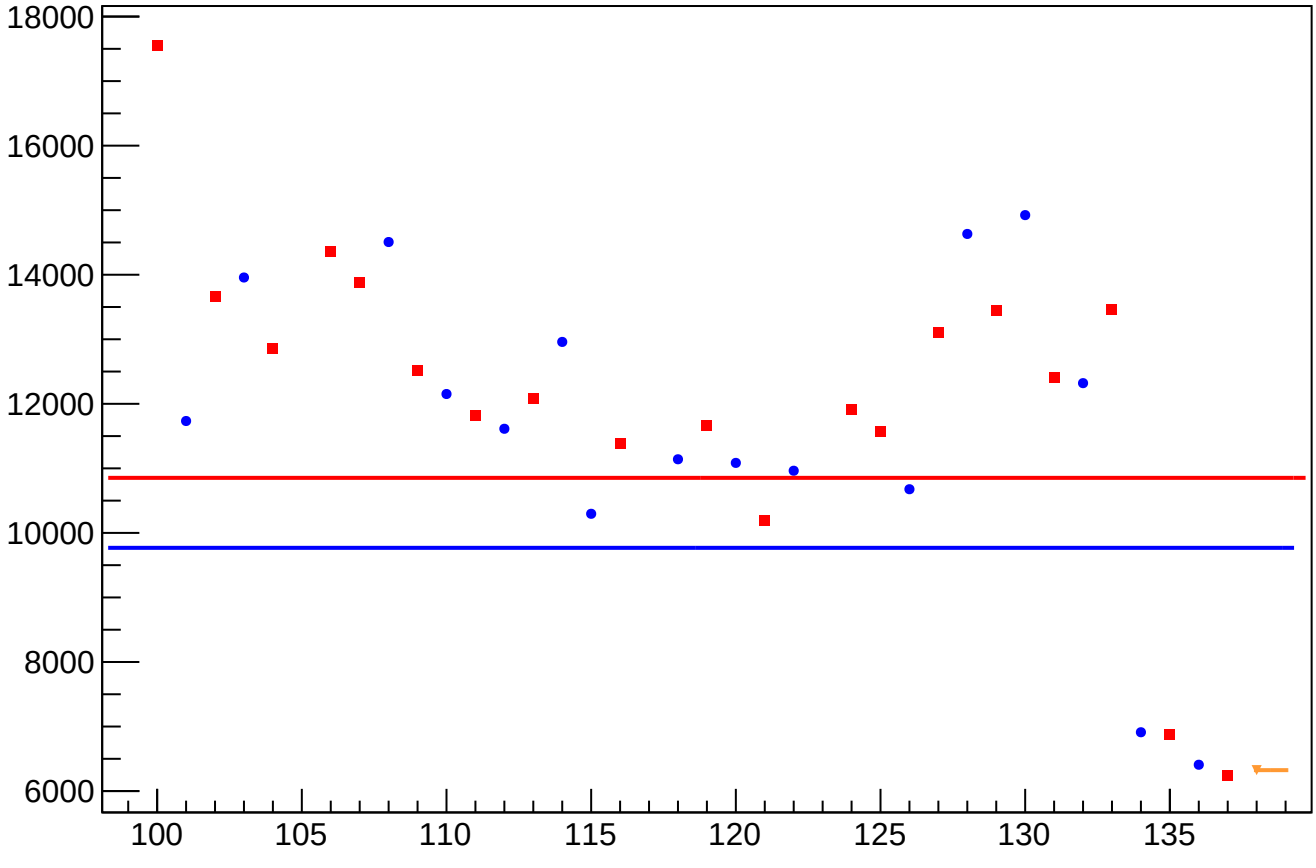
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 7.699+/-3.820 χ^2/NDF:21.6/15

Out: -6.530+/-3.569 χ^2/NDF:14.9/19

All: 0.103+/-2.608 χ^2/NDF: 43.9/35

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 6324.258+/-5.131 χ^2/NDF:0.0/0

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6324.258+/-5.131 χ^2/NDF: 0.0/0

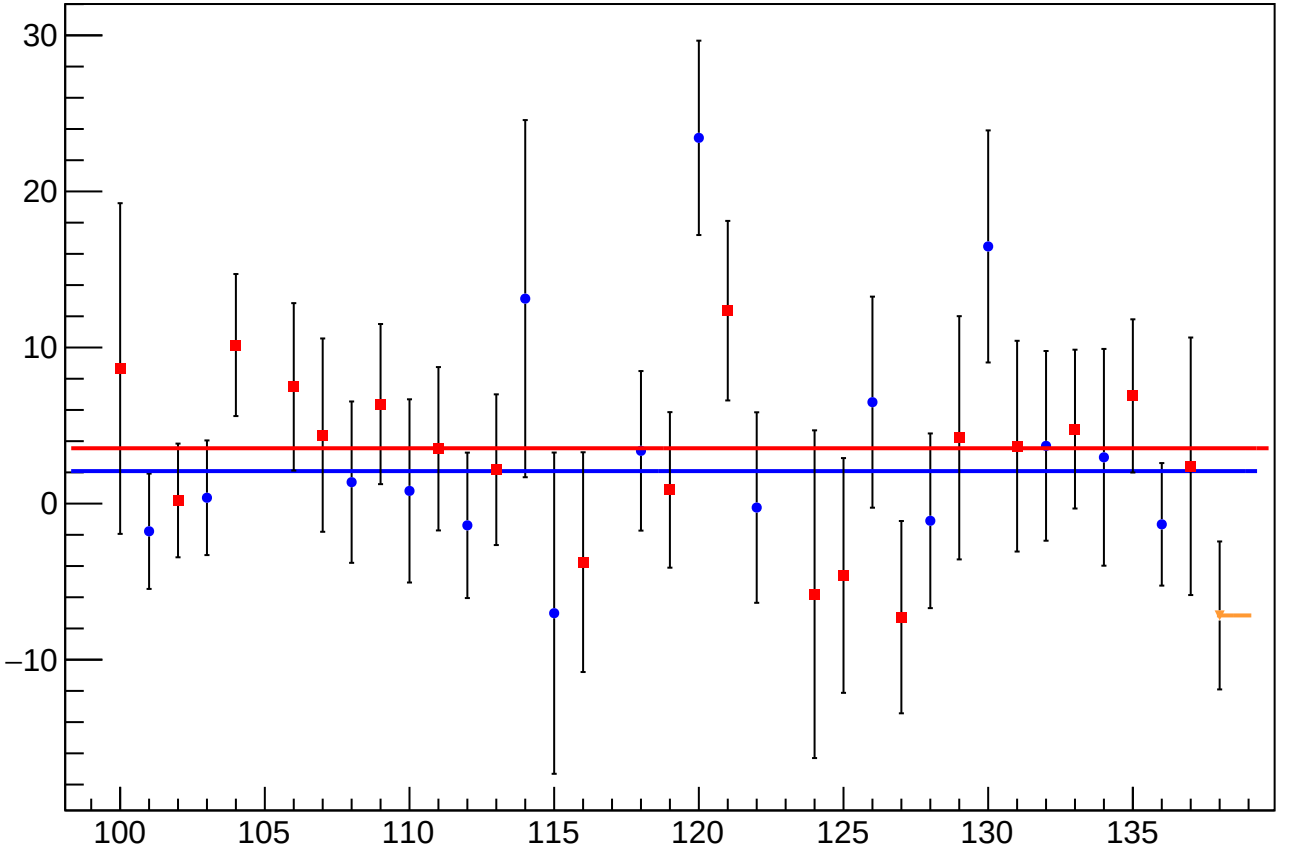
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 9768.772+/-2.701 χ^2/NDF:1213694.6/15

Out: 9757.500+/-2.524 χ^2/NDF:1464989.4/19

All: 9762.754+/-1.844 χ^2/NDF: 2678693.2/35

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -7.165+/-4.740 χ^2/NDF:0.0/0

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -7.165+/-4.740 χ^2/NDF: 0.0/0

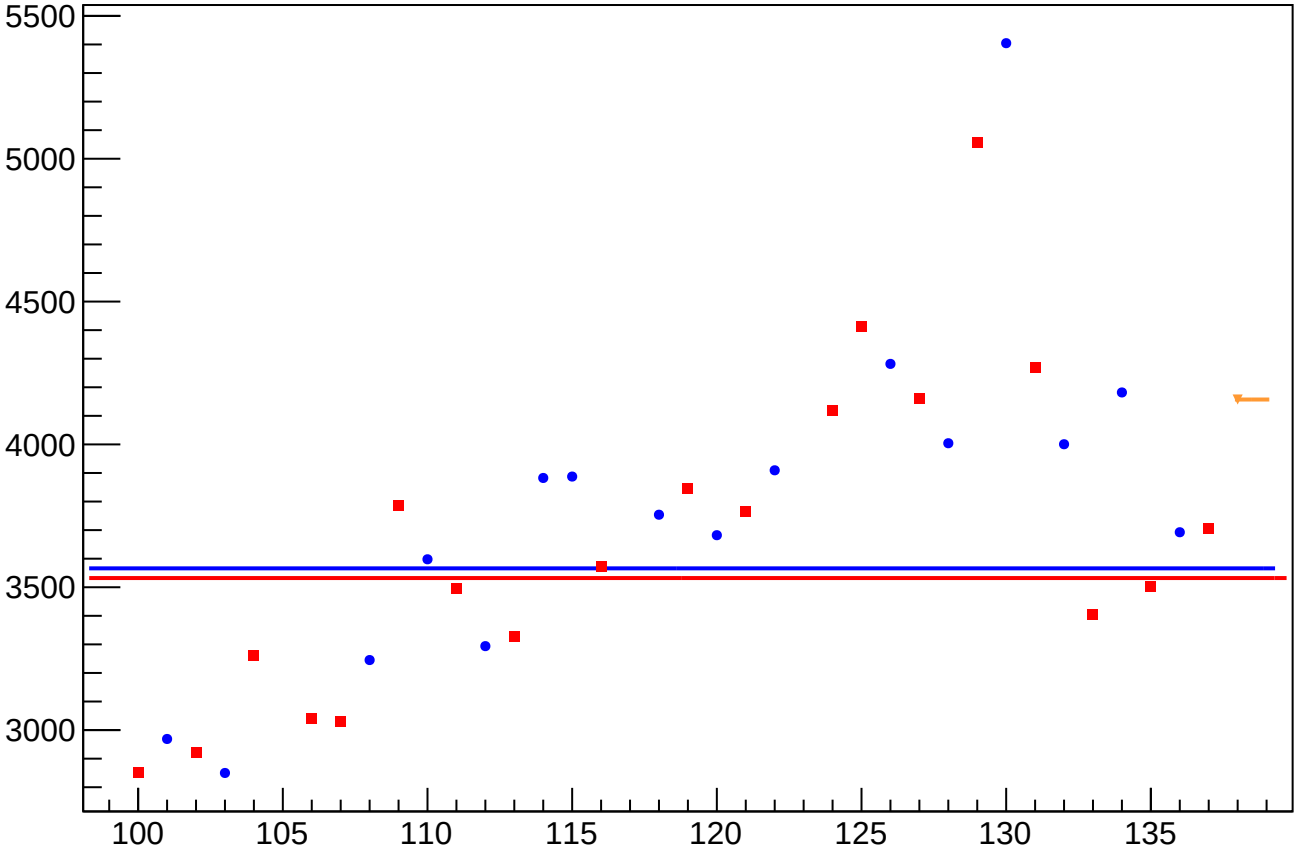
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.082+/-1.345 χ^2/NDF:21.0/15

Out: 2.793+/-1.257 χ^2/NDF:18.2/19

All: 2.461+/-0.919 χ^2/NDF: 39.3/35

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4157.143+/-3.352 χ^2/NDF:0.0/0

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4157.143+/-3.352 χ^2/NDF: 0.0/0

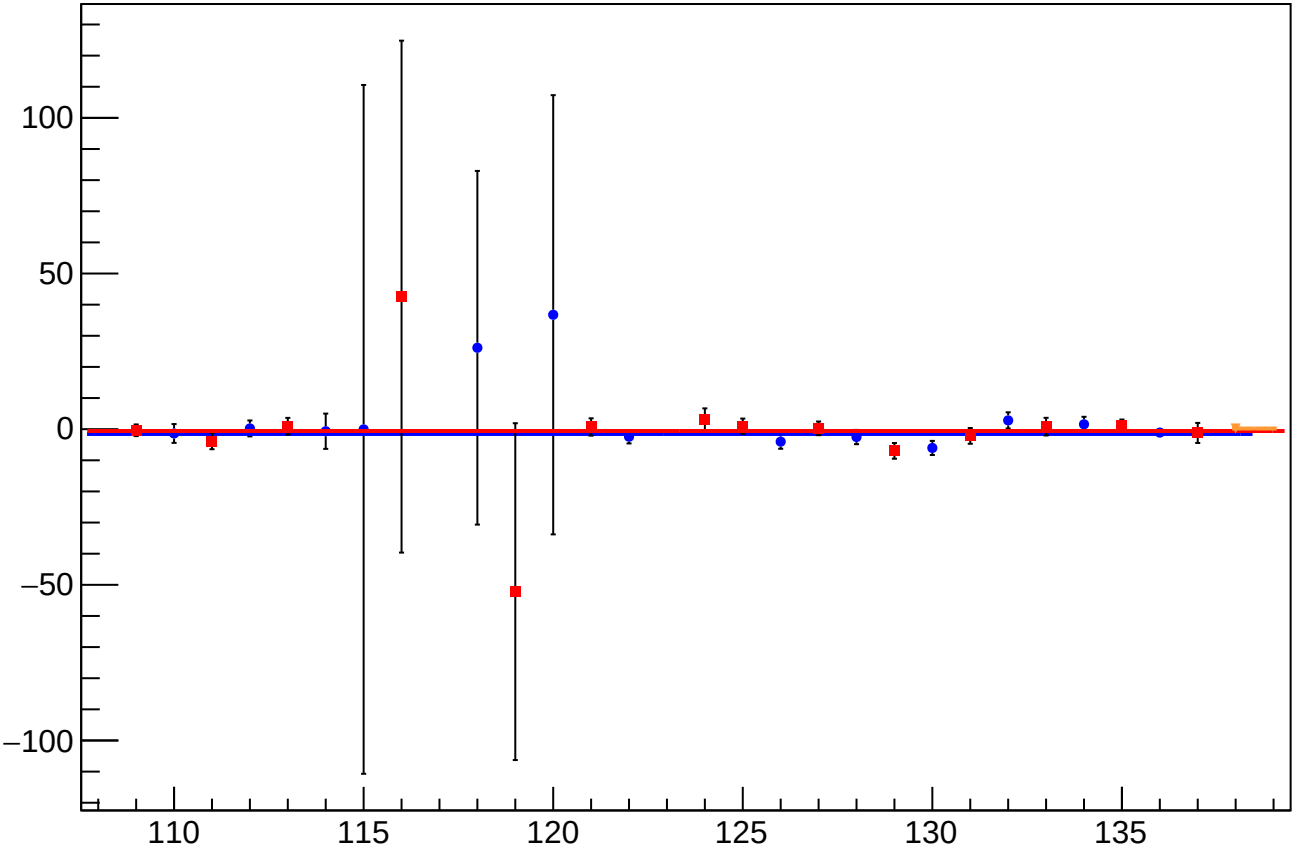
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3566.150+/-0.951 χ^2/NDF:341105.5/15

Out: 3576.174+/-0.889 χ^2/NDF:311016.0/19

All: 3571.500+/-0.650 χ^2/NDF: 652180.8/35

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: 0.216+/-1.499 χ^2/NDF:0.0/0

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.216+/-1.499 χ^2/NDF: 0.0/0

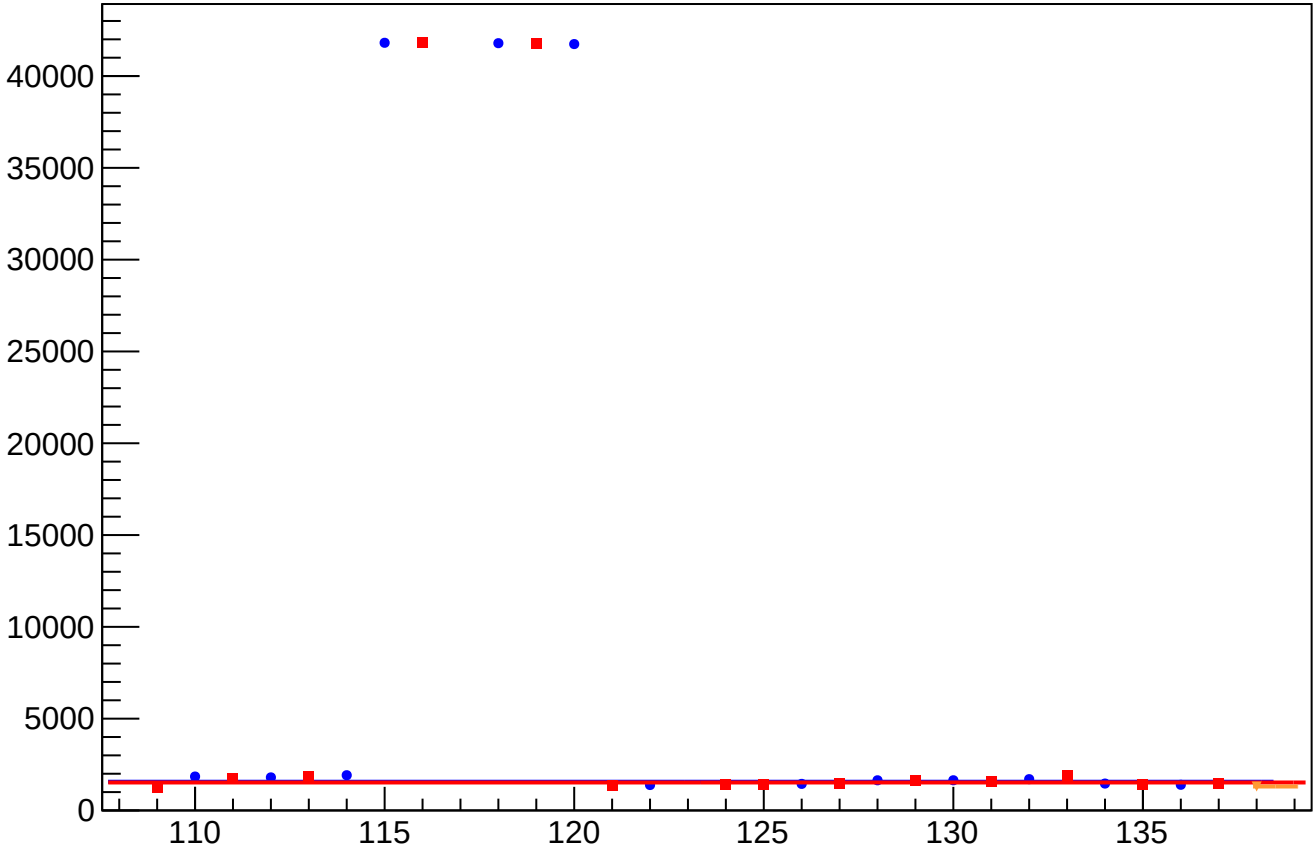
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -1.536+/-0.733 χ^2/NDF:11.1/12

Out: -0.438+/-0.647 χ^2/NDF:12.9/14

All: -0.919+/-0.485 χ^2/NDF: 25.3/27

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1304.446+/-1.060 χ^2/NDF:0.0/0

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

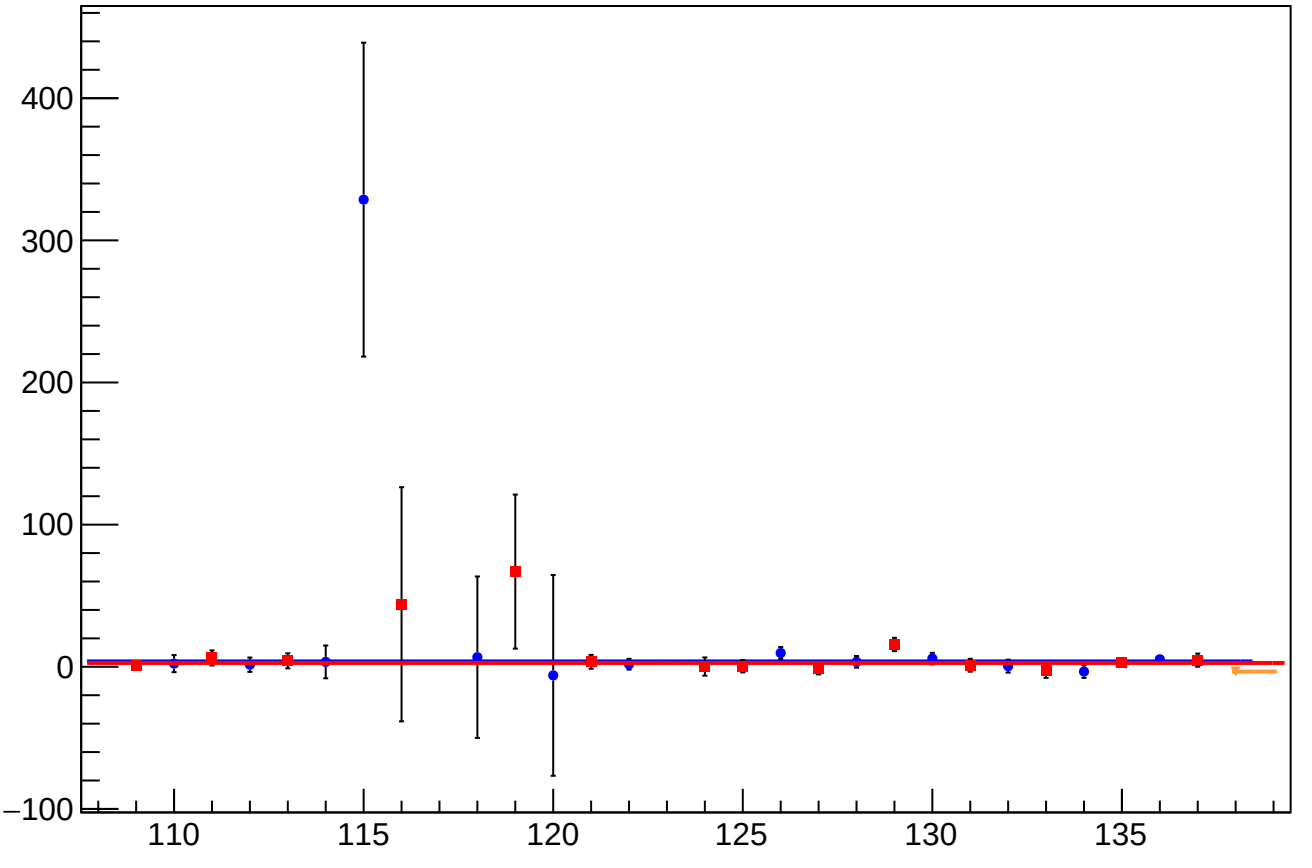
Left: 1304.446+/-1.060 χ^2/NDF: 0.0/0

Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1564.307+/-0.518 χ^2/NDF:2016990.6/12

Out: 1482.836+/-0.457 χ^2/NDF:1774482.9/14

All: 1518.521+/-0.343 χ^2/NDF: 3805369.9/27



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -3.367+/-2.096 χ^2/NDF:0.0/0

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -3.367+/-2.096 χ^2/NDF: 0.0/0

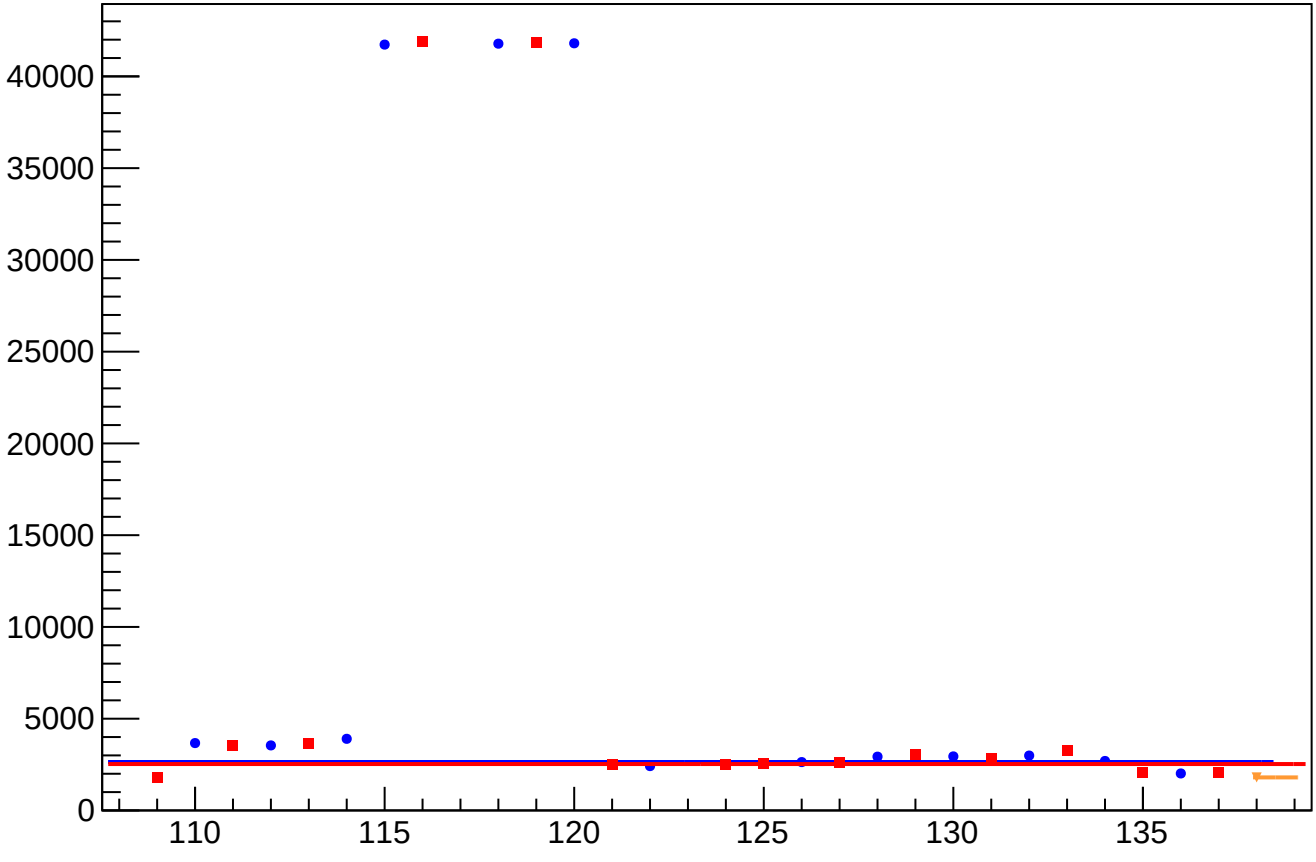
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 3.777+/-1.248 χ^2/NDF:15.2/12

Out: 1.188+/-1.049 χ^2/NDF:19.9/14

All: 2.259+/-0.803 χ^2/NDF: 37.6/27

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 1800.576+/-1.482 χ^2/NDF:0.0/0

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

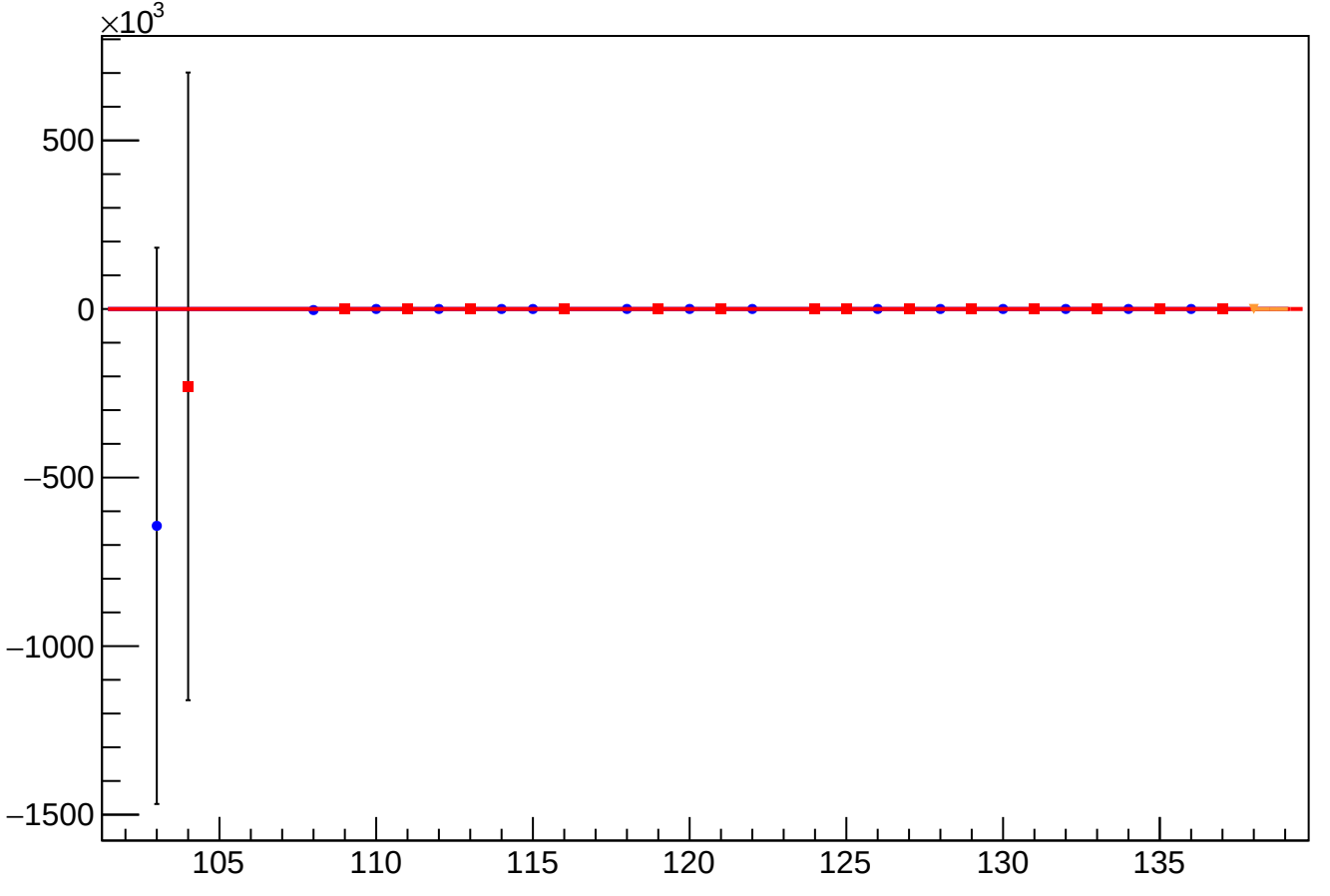
Left: 1800.576+/-1.482 χ^2/NDF: 0.0/0

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2639.943+/-0.883 χ^2/NDF:2173395.1/12

Out: 2346.709+/-0.741 χ^2/NDF:2131062.3/14

All: 2468.005+/-0.568 χ^2/NDF: 4369165.3/27



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: 0.715+/-1.958 χ^2/NDF:0.0/0

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.715+/-1.958 χ^2/NDF: 0.0/0

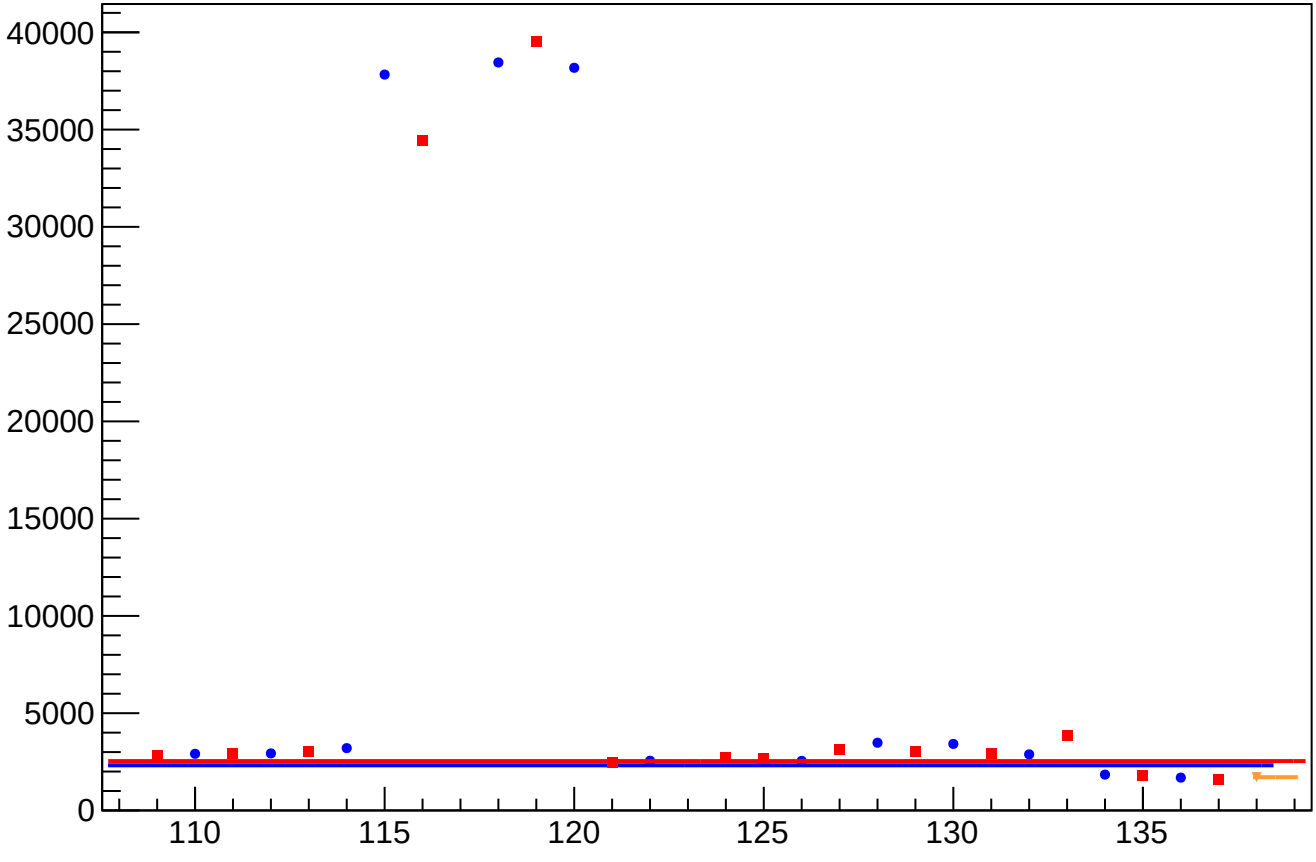
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -1.215+/-1.125 χ^2/NDF:18.8/14

Out: 2.129+/-1.030 χ^2/NDF:15.2/15

All: 0.605+/-0.760 χ^2/NDF: 38.7/30

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1710.346+/-1.384 χ^2/NDF:0.0/0

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

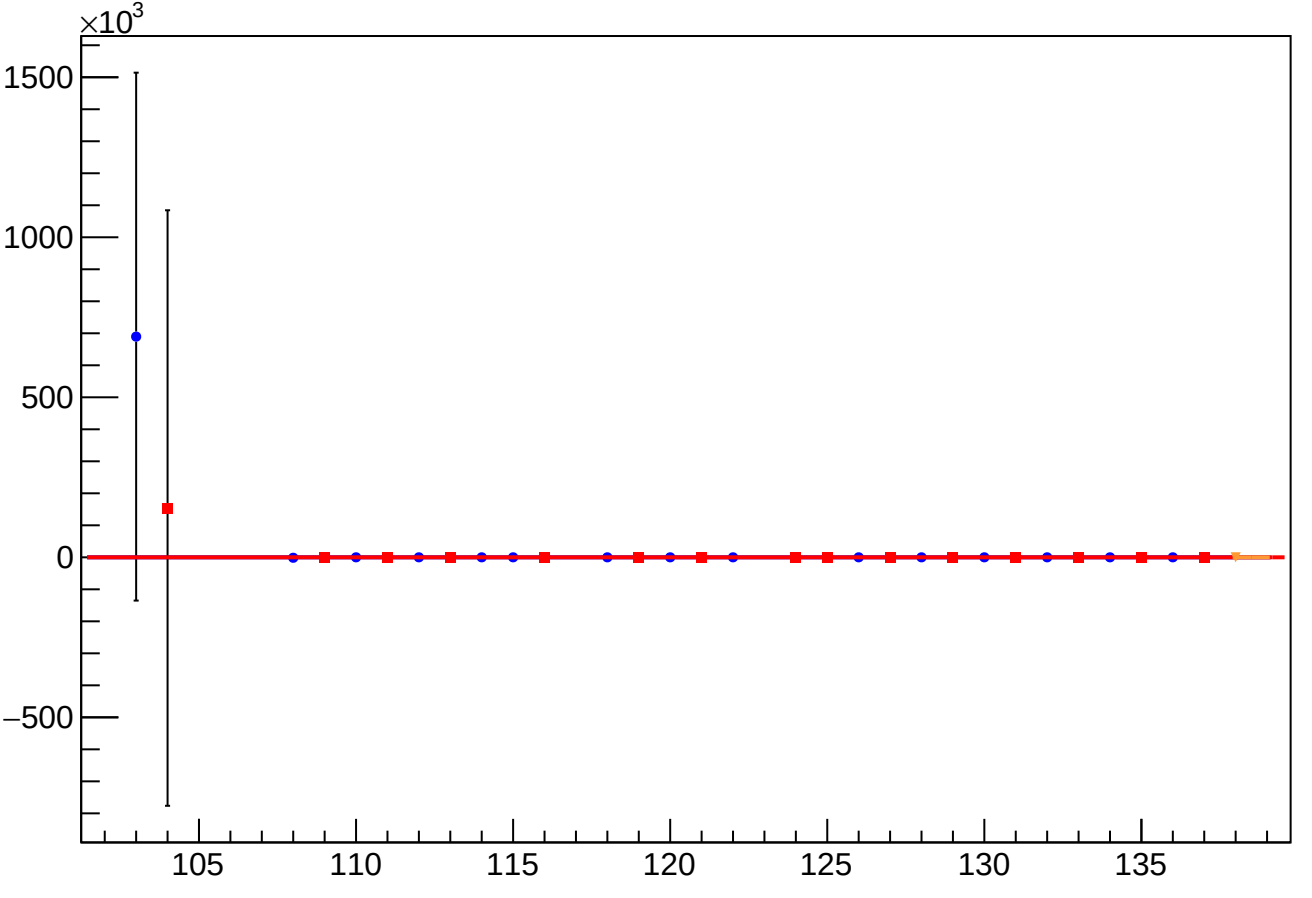
Left: 1710.346+/-1.384 χ^2/NDF: 0.0/0

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 2320.446+/-0.796 χ^2/NDF:2461445.1/12

Out: 2308.607+/-0.728 χ^2/NDF:2296466.2/14

All: 2314.004+/-0.537 χ^2/NDF: 4758031.9/27



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -2.945+/-1.592 χ^2/NDF:0.0/0

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -2.945+/-1.592 χ^2/NDF: 0.0/0

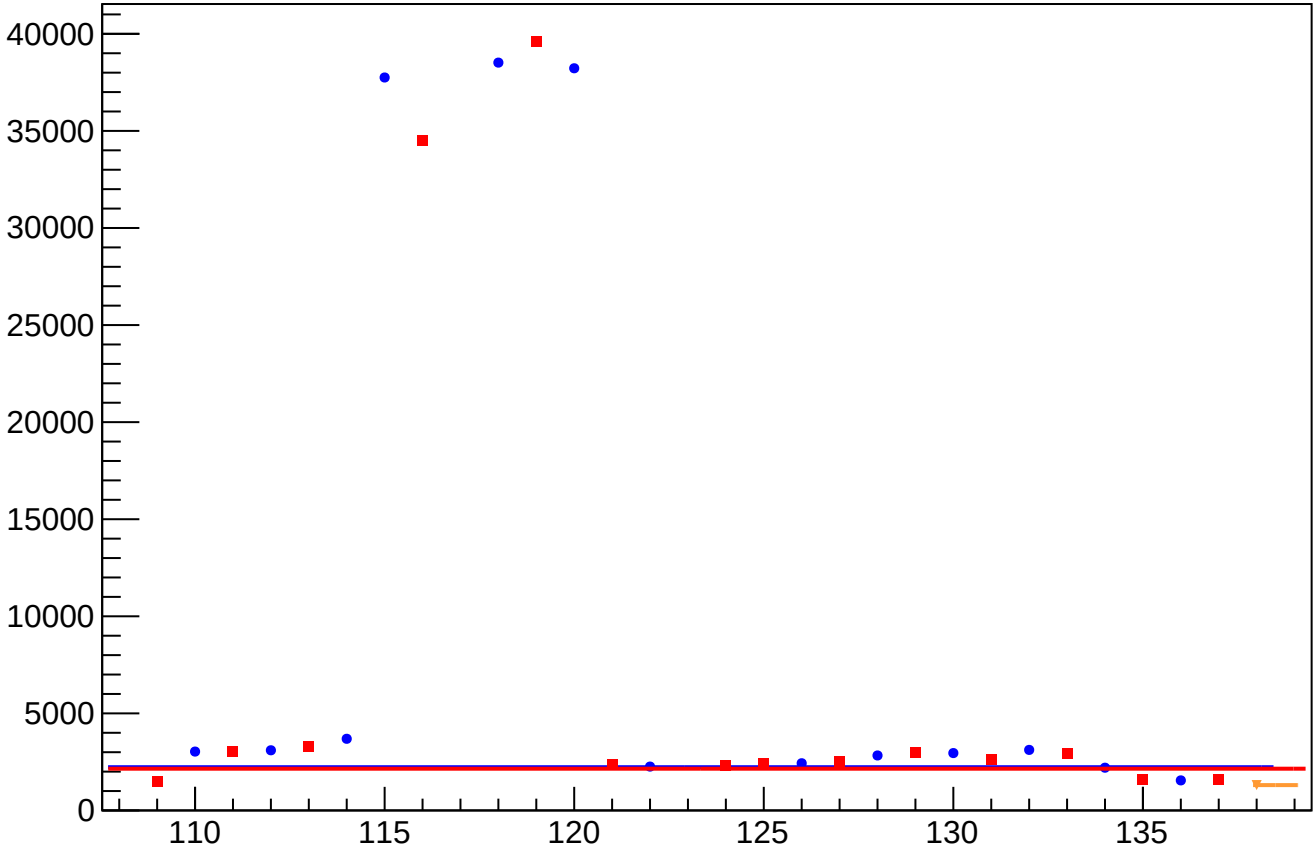
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 1.708+/-1.076 χ^2/NDF:5.0/14

Out: 0.424+/-0.878 χ^2/NDF:21.7/15

All: 0.936+/-0.680 χ^2/NDF: 27.6/30

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 1305.658+/-1.126 χ^2/NDF:0.0/0

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1305.658+/-1.126 χ^2/NDF: 0.0/0

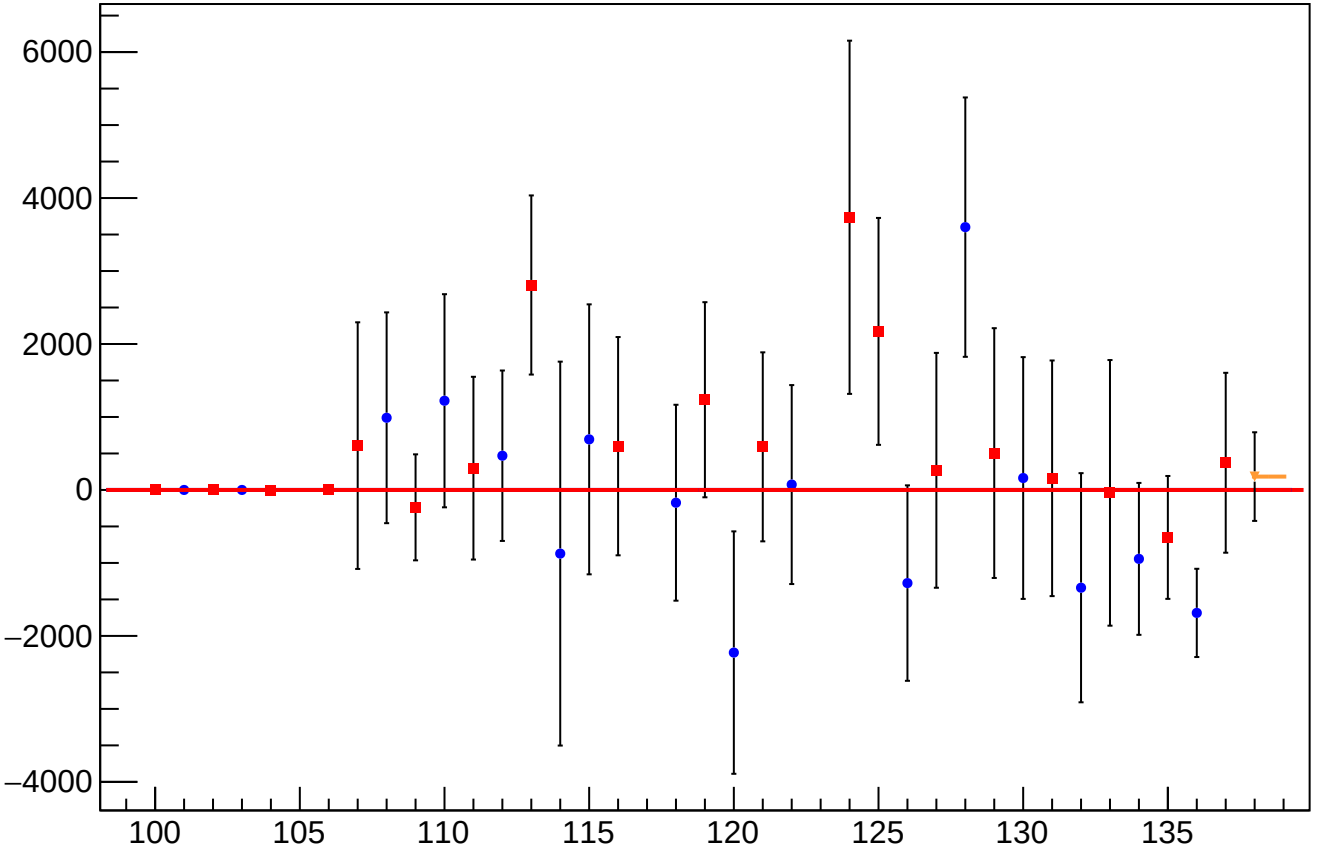
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2226.944+/-0.761 χ^2/NDF:2522286.5/12

Out: 1894.085+/-0.621 χ^2/NDF:2623688.6/14

All: 2026.991+/-0.481 χ^2/NDF: 5260865.6/27

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: 183.175+/-607.253 χ^2/NDF:0.0/0

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

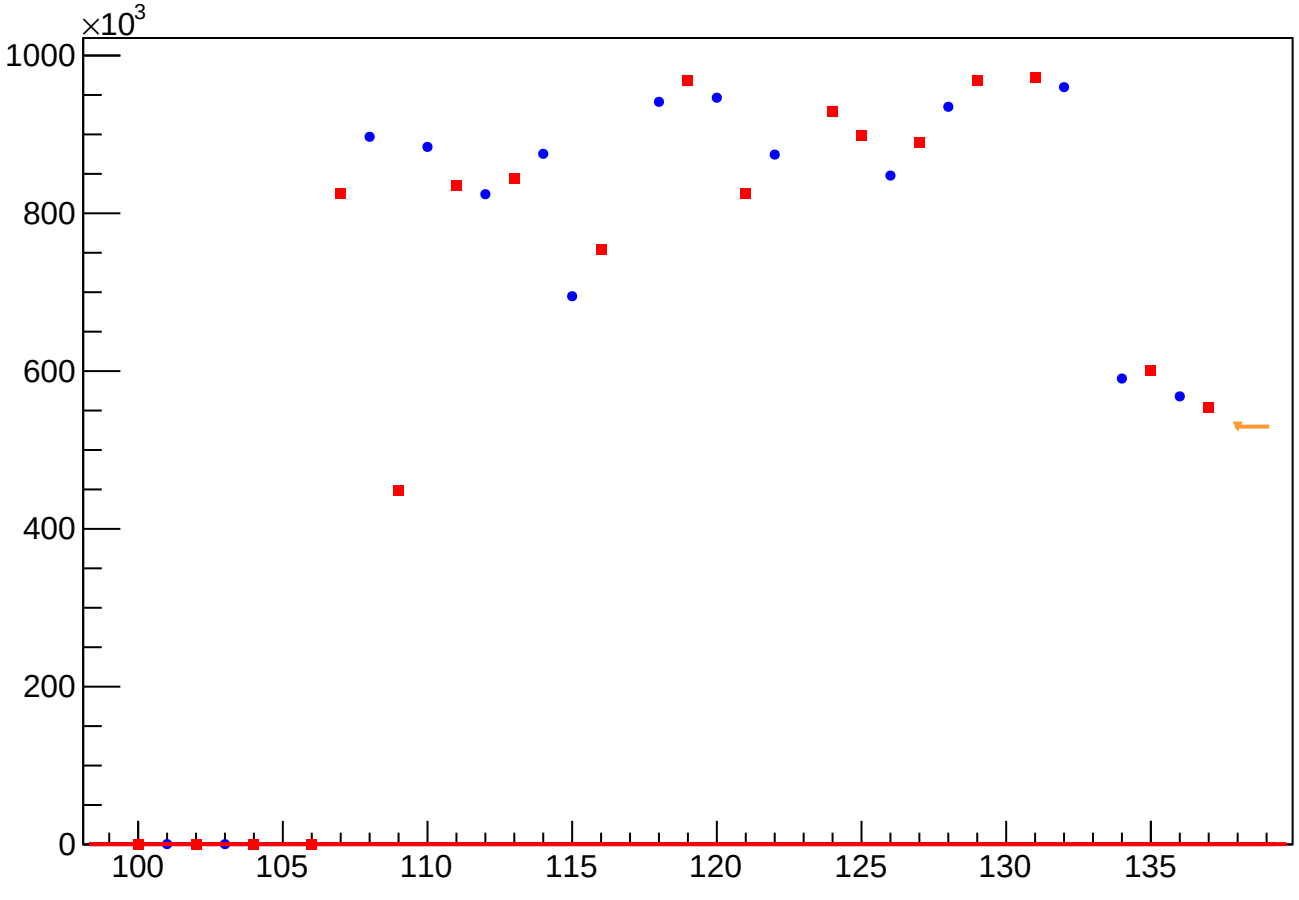
Left: 183.175+/-607.253 χ^2/NDF: 0.0/0

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.255+/-0.356 χ^2/NDF:17.7/15

Out: -0.096+/-0.328 χ^2/NDF:15.5/19

All: 0.065+/-0.241 χ^2/NDF: 33.8/35



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 529614.154+/-429.393 χ^2/NDF:0.0/0

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 529614.154+/-429.393 χ^2/NDF: 0.0/0

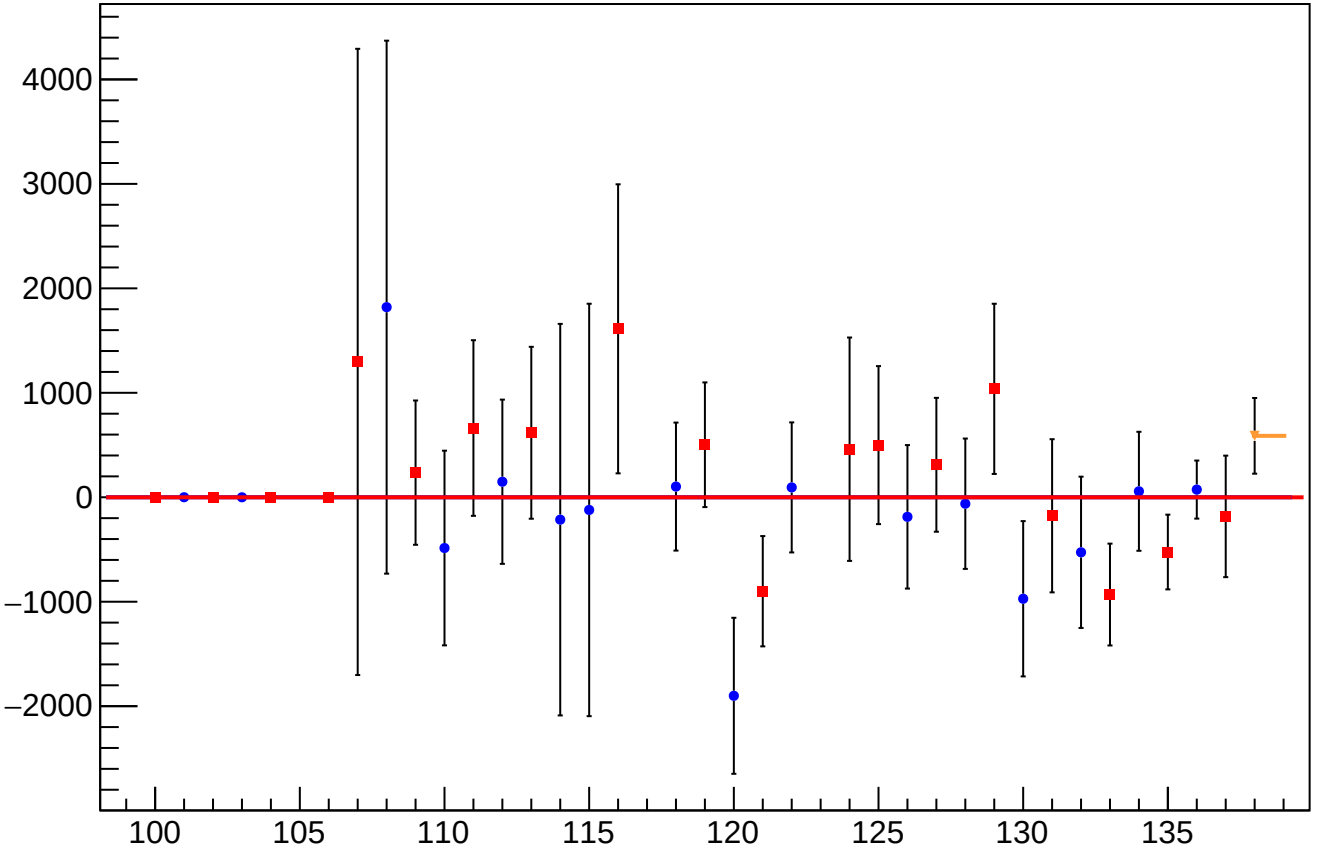
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 398.881+/-0.251 χ^2/NDF:8491830.9/14

Out: 393.394+/-0.232 χ^2/NDF:9167603.1/18

All: 395.914+/-0.170 χ^2/NDF: 17659691.3/33

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 588.074+/-362.360 χ^2/NDF:0.0/0

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

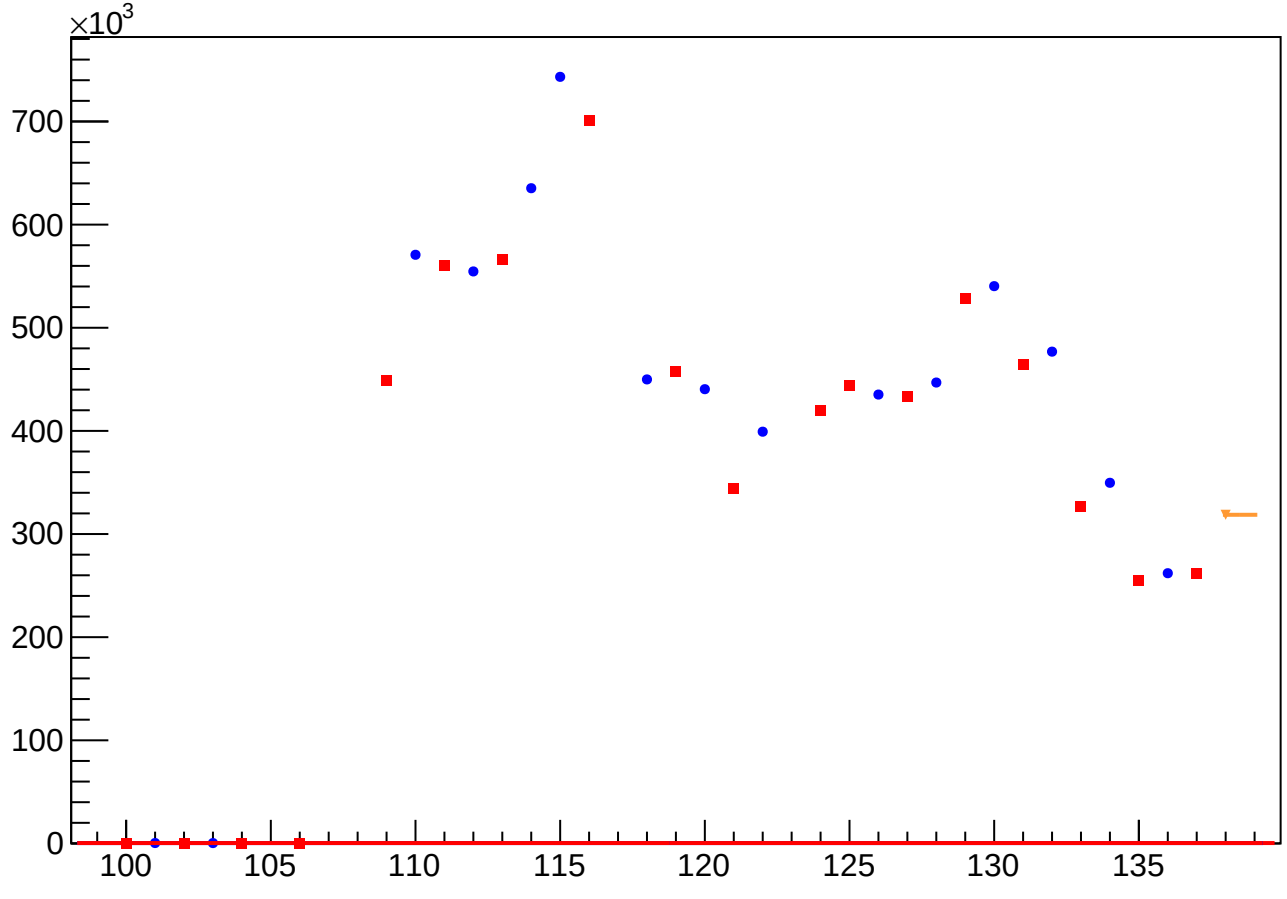
Left: 588.074+/-362.360 χ^2/NDF: 0.0/0

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.020+/-0.347 χ^2/NDF:10.5/15

Out: -0.598+/-0.324 χ^2/NDF:17.6/19

All: -0.329+/-0.237 χ^2/NDF: 29.6/35



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 318665.534+/-256.227 χ^2/NDF:0.0/0

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

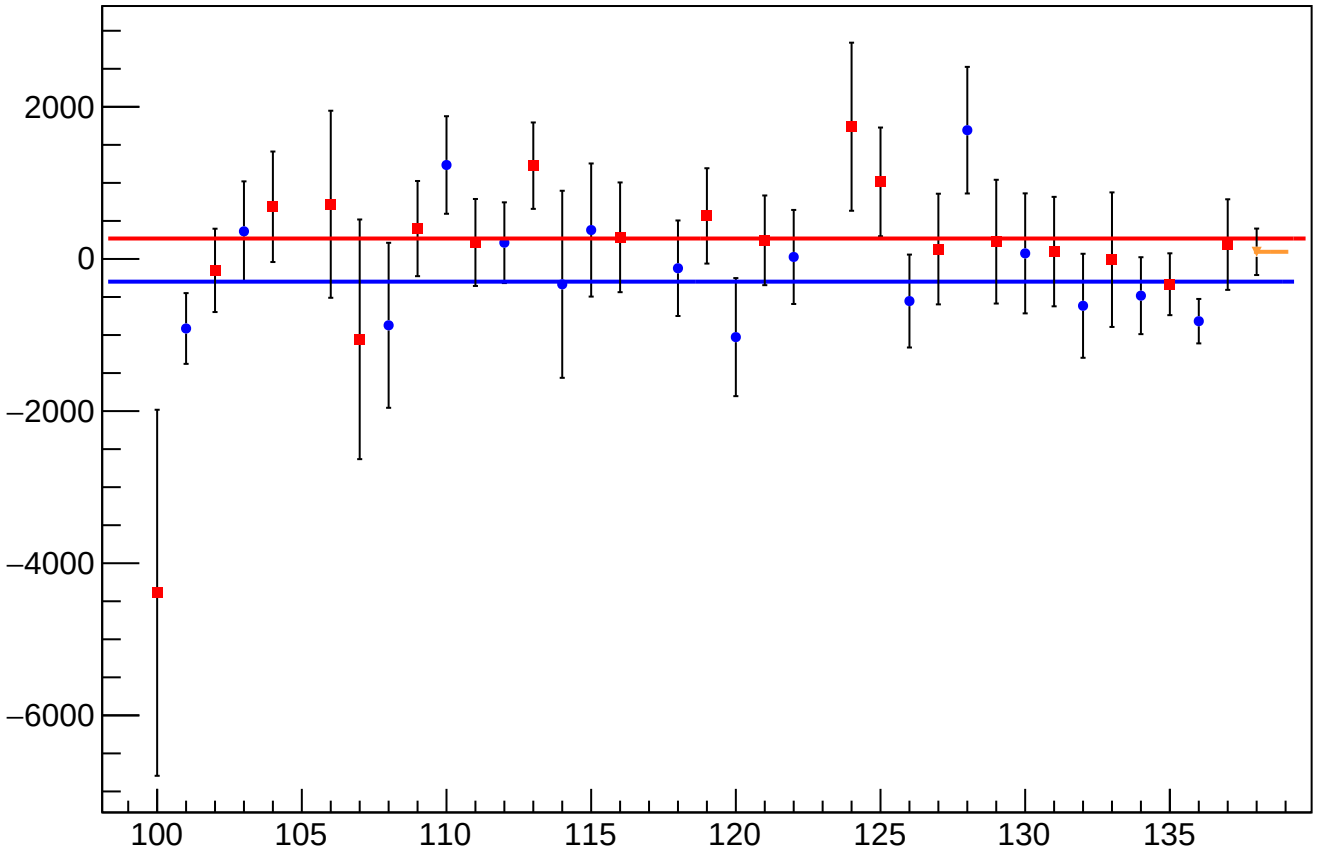
Left: 318665.534+/-256.227 χ^2/NDF: 0.0/0

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 390.276+/-0.245 χ^2/NDF:11132240.7/14

Out: 388.238+/-0.229 χ^2/NDF:12617284.1/18

All: 389.186+/-0.167 χ^2/NDF: 23749561.6/33



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: 94.216+/-305.478 χ^2/NDF:0.0/0

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

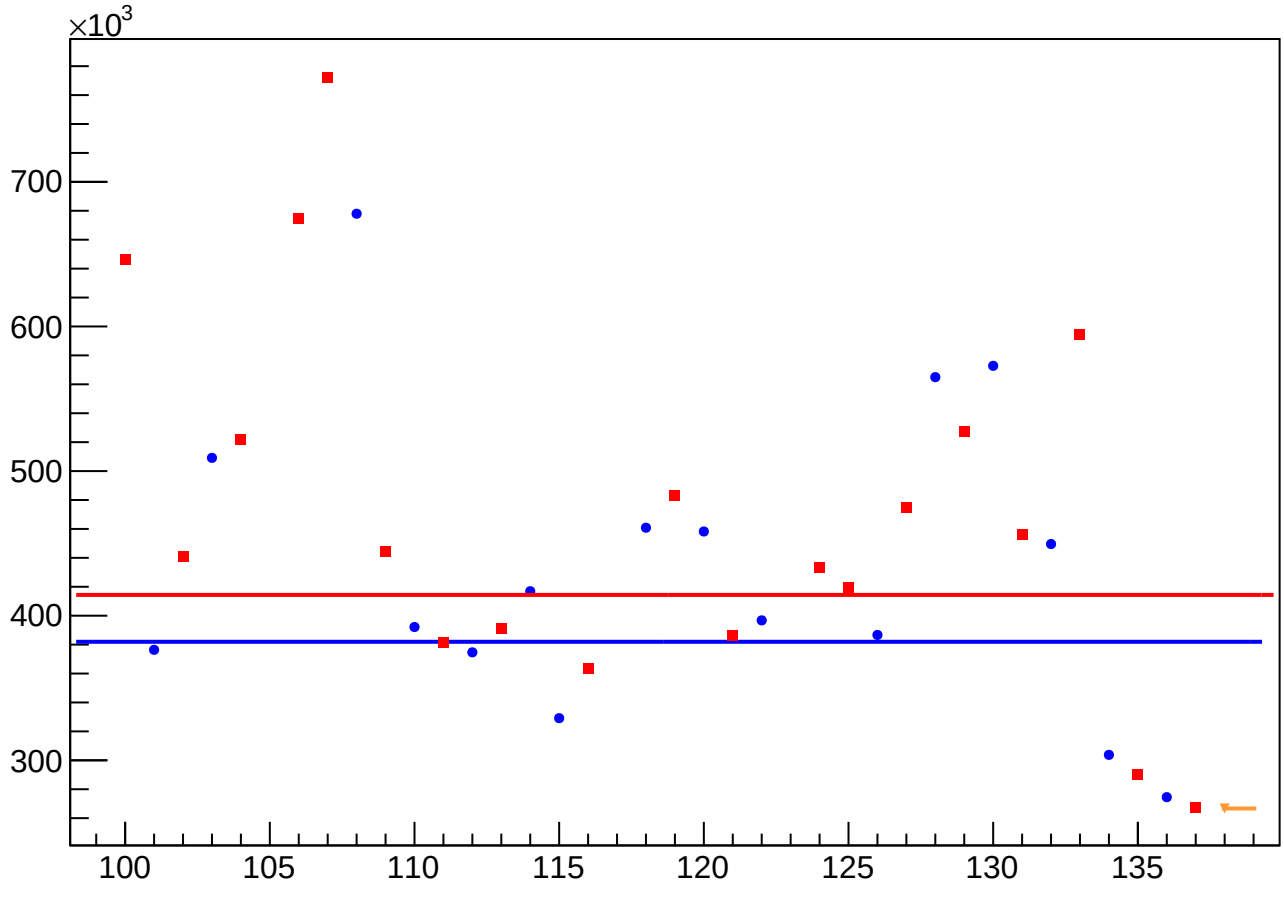
Left: 94.216+/-305.478 χ^2/NDF: 0.0/0

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -298.263+/-147.367 χ^2/NDF:21.2/15

Out: 232.547+/-139.343 χ^2/NDF:14.1/19

All: -18.014+/-101.248 χ^2/NDF: 42.2/35



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 266686.604+/-216.006 χ^2/NDF:0.0/0

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

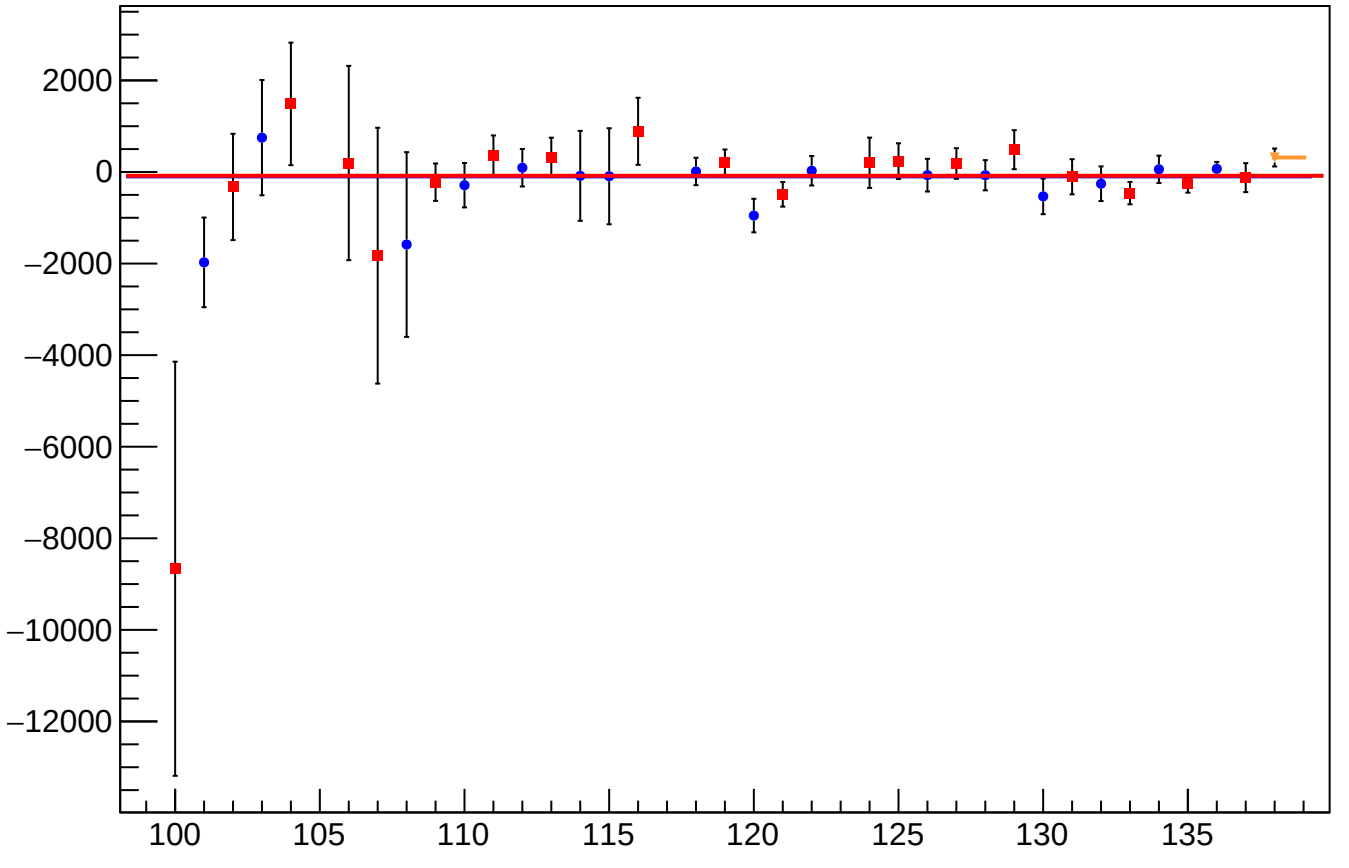
Left: 266686.604+/-216.006 χ^2/NDF: 0.0/0

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 381960.471+/-104.223 χ^2/NDF:836441.6/15

Out: 383635.473+/-98.550 χ^2/NDF:1130269.4/19

All: 382844.796+/-71.607 χ^2/NDF: 1966847.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 316.458+/-195.987 χ^2/NDF:0.0/0

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 316.458+/-195.987 χ^2/NDF: 0.0/0

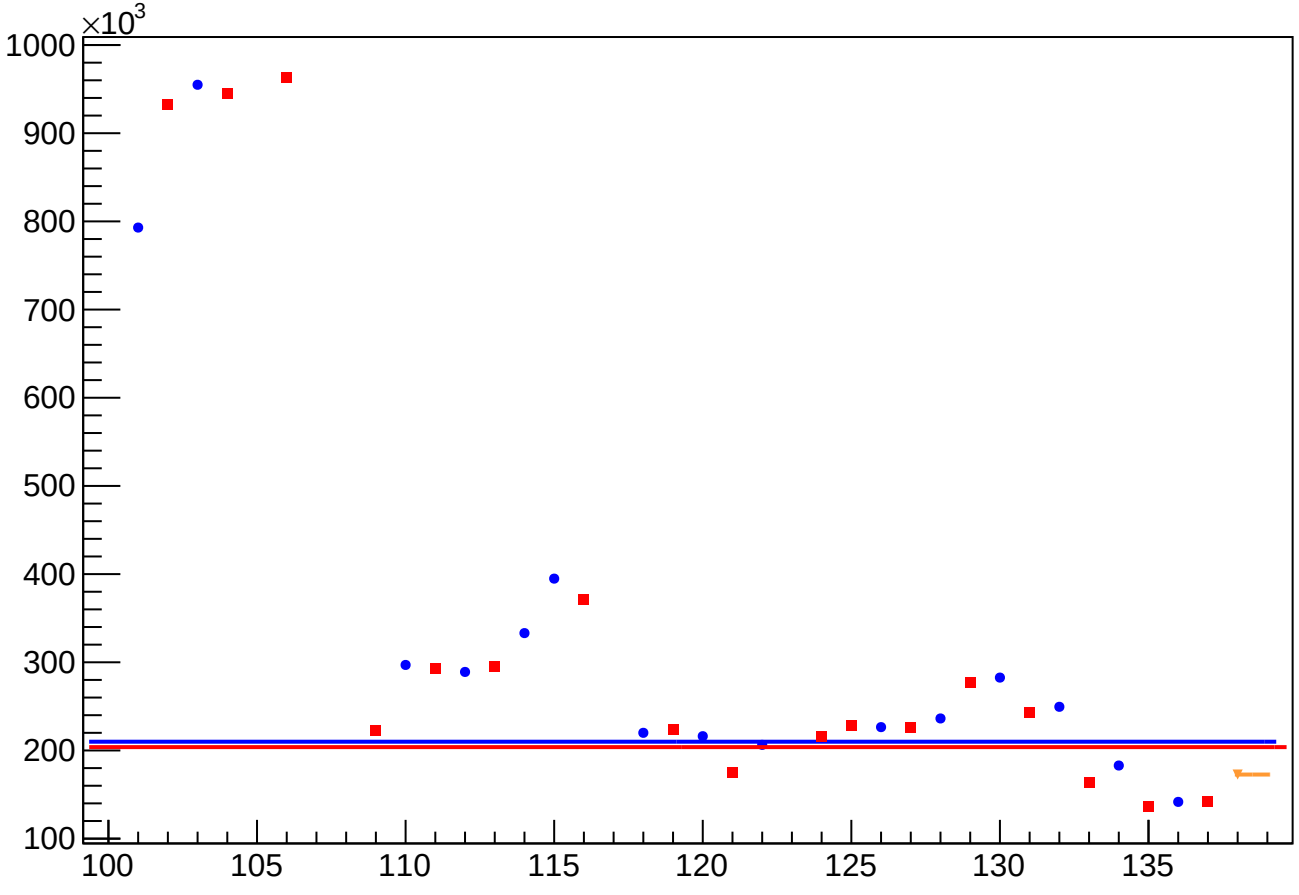
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -95.850+/-88.267 χ^2/NDF:13.7/15

Out: -16.635+/-79.758 χ^2/NDF:22.6/19

All: -52.242+/-59.178 χ^2/NDF: 36.7/35

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 172697.280+/-138.584 χ^2/NDF:0.0/0

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

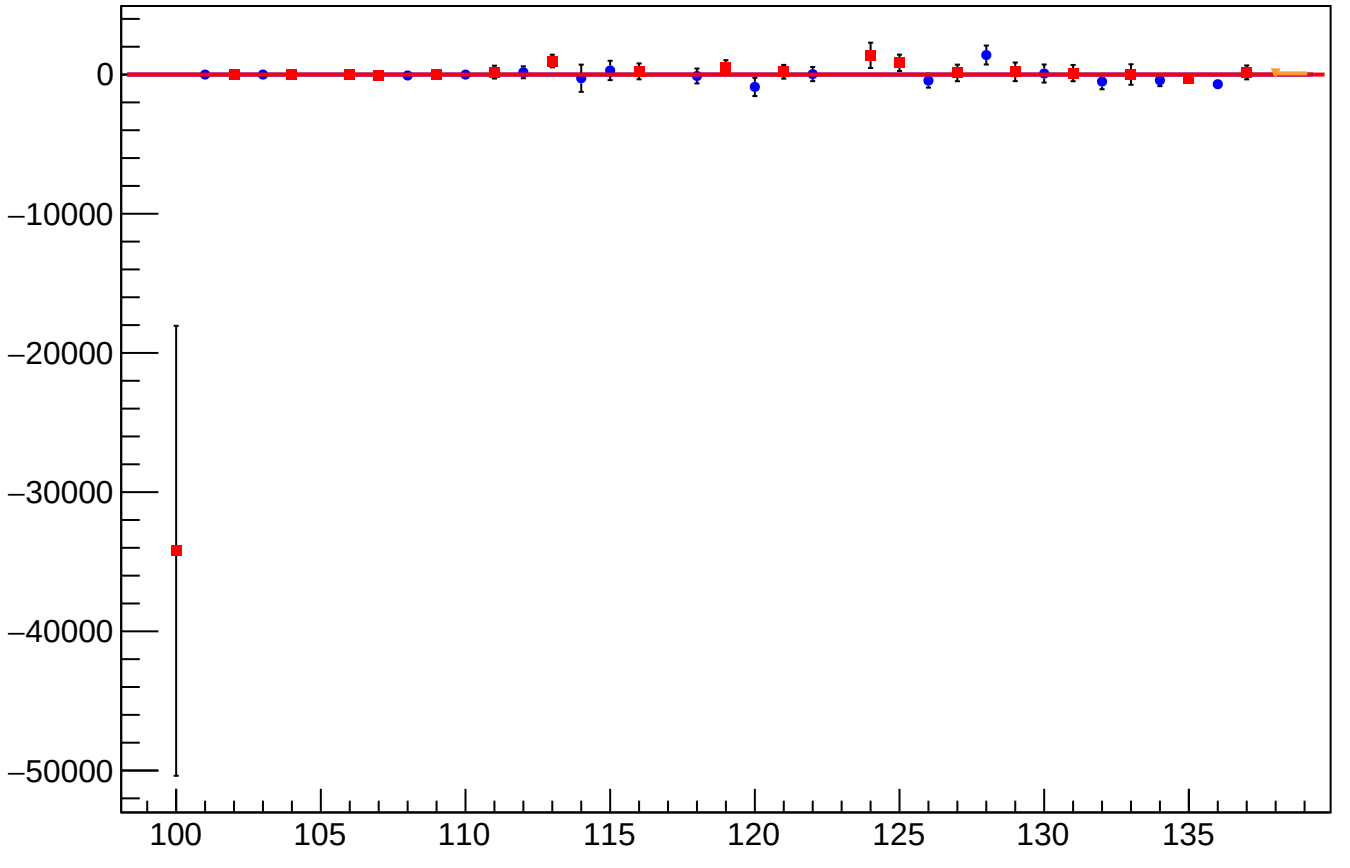
Left: 172697.280+/-138.584 χ^2/NDF: 0.0/0

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 209929.195+/-62.523 χ^2/NDF:1959897.2/14

Out: 198622.102+/-56.514 χ^2/NDF:2112453.8/17

All: 203706.365+/-41.925 χ^2/NDF: 4090350.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: 83.018+/-253.176 χ^2/NDF:0.0/0

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

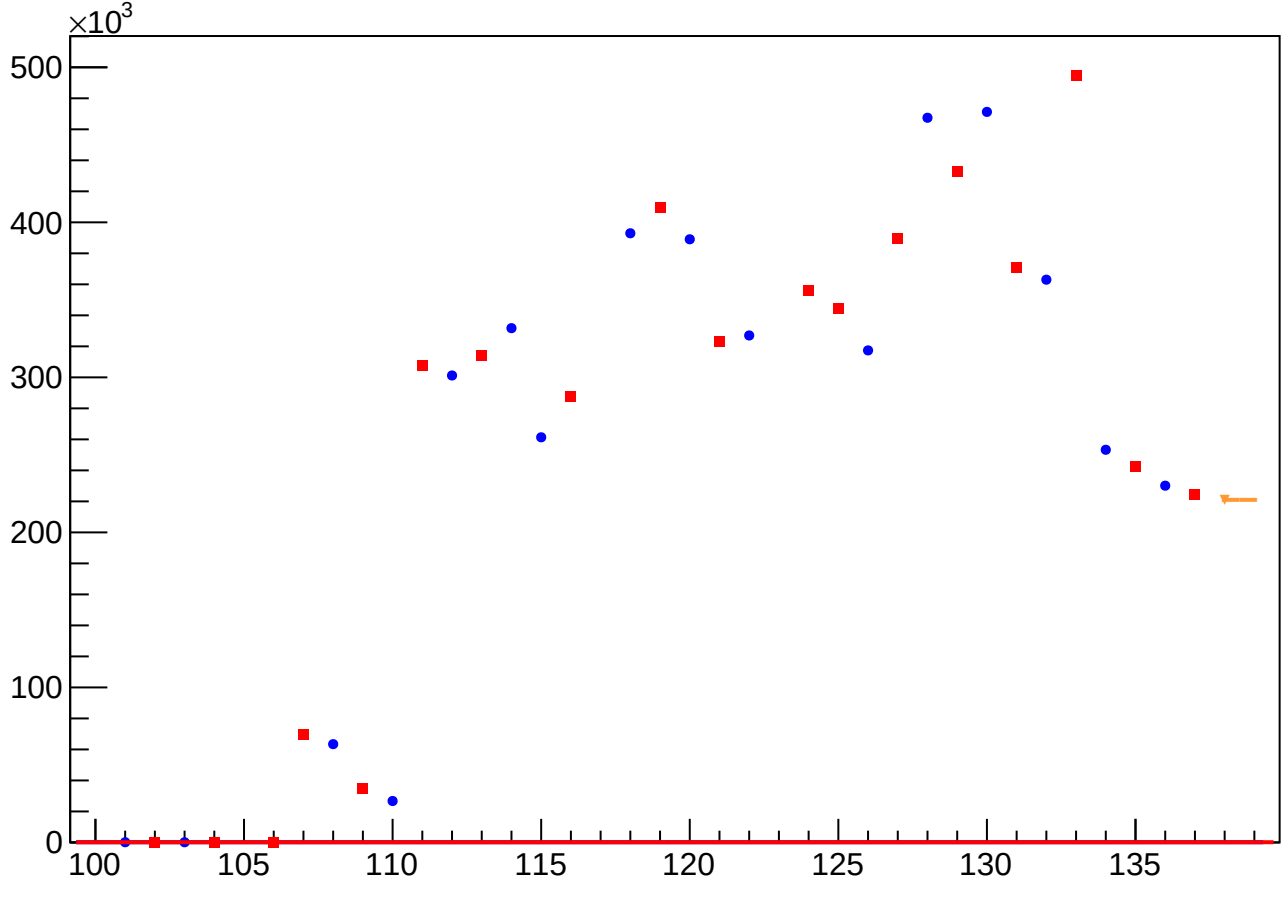
Left: 83.018+/-253.176 χ^2/NDF: 0.0/0

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:18.1/15

Out: 0.355+/-0.160 χ^2/NDF:16.6/19

All: 0.174+/-0.117 χ^2/NDF: 37.5/35



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 220994.147+/-0.023 χ^2/NDF:0.0/0

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 220994.147+/-179.023 χ^2/NDF: 0.0/0

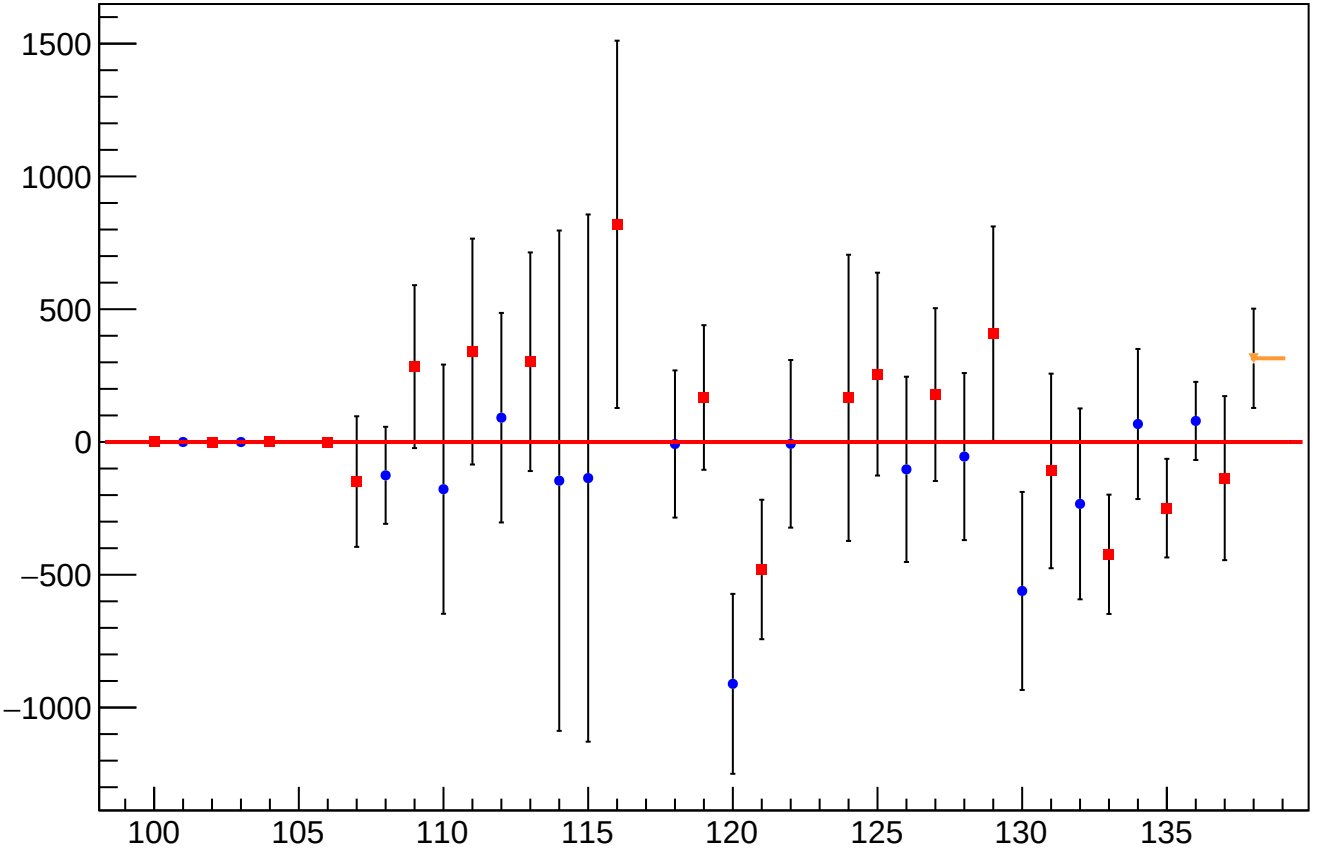
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 149.092+/-0.122 χ^2/NDF:11301940.9/15

Out: 149.467+/-0.113 χ^2/NDF:12810515.5/18

All: 149.293+/-0.083 χ^2/NDF: 24112461.4/34

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 315.143+/-186.970 χ^2/NDF:0.0/0

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

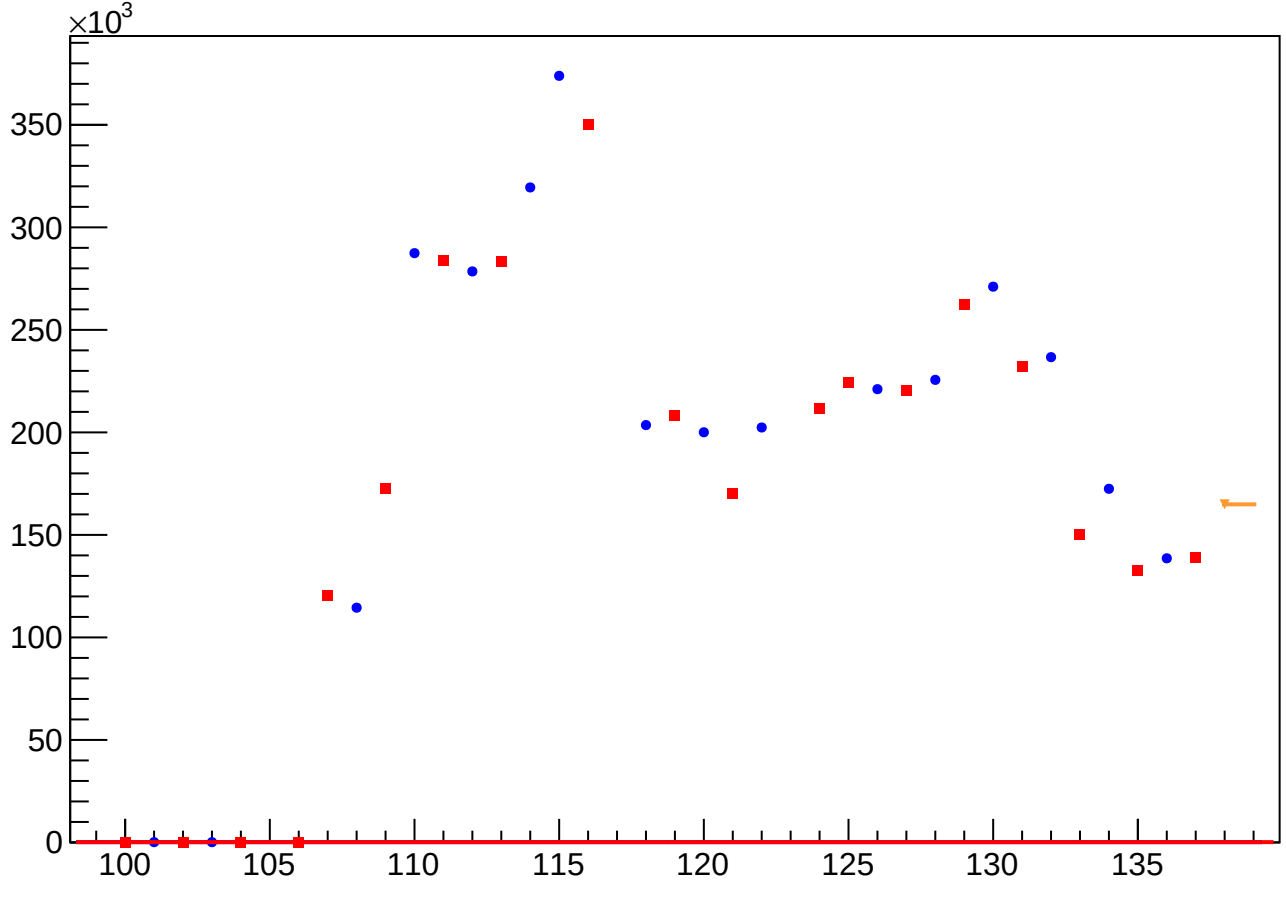
Left: 315.143+/-186.970 χ^2/NDF: 0.0/0

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:11.2/15

Out: -0.126+/-0.166 χ^2/NDF:18.1/19

All: -0.099+/-0.121 χ^2/NDF: 29.3/35



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 164907.721+/-132.208 χ^2/NDF:0.0/0

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 164907.721+/-132.208 χ^2/NDF: 0.0/0

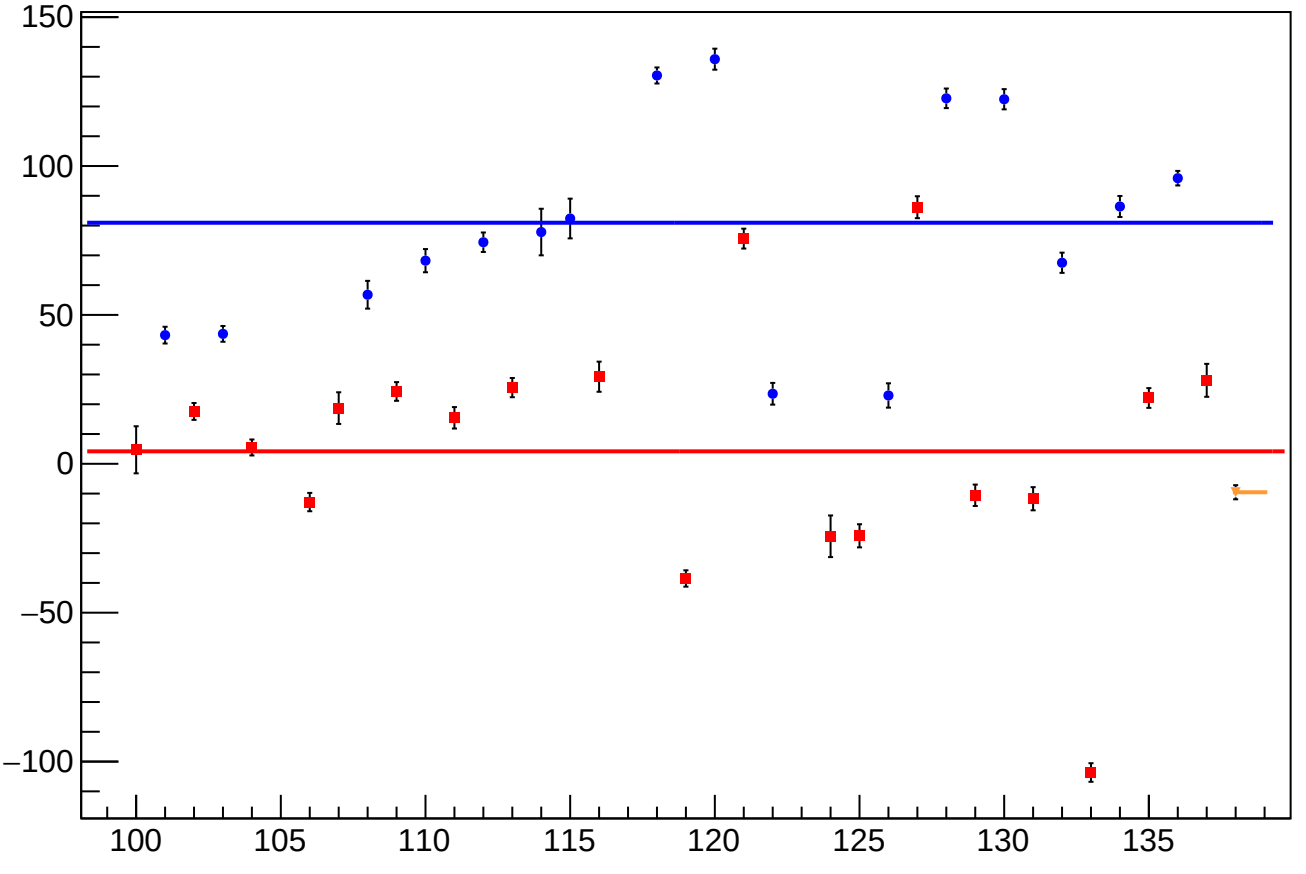
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 153.460+/-0.125 χ^2/NDF:11904914.7/15

Out: 156.288+/-0.118 χ^2/NDF:12883793.9/19

All: 154.962+/-0.086 χ^2/NDF: 24788979.2/35

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -9.552+/-2.372 χ^2/NDF:0.0/0

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -9.552+/-2.372 χ^2/NDF: 0.0/0

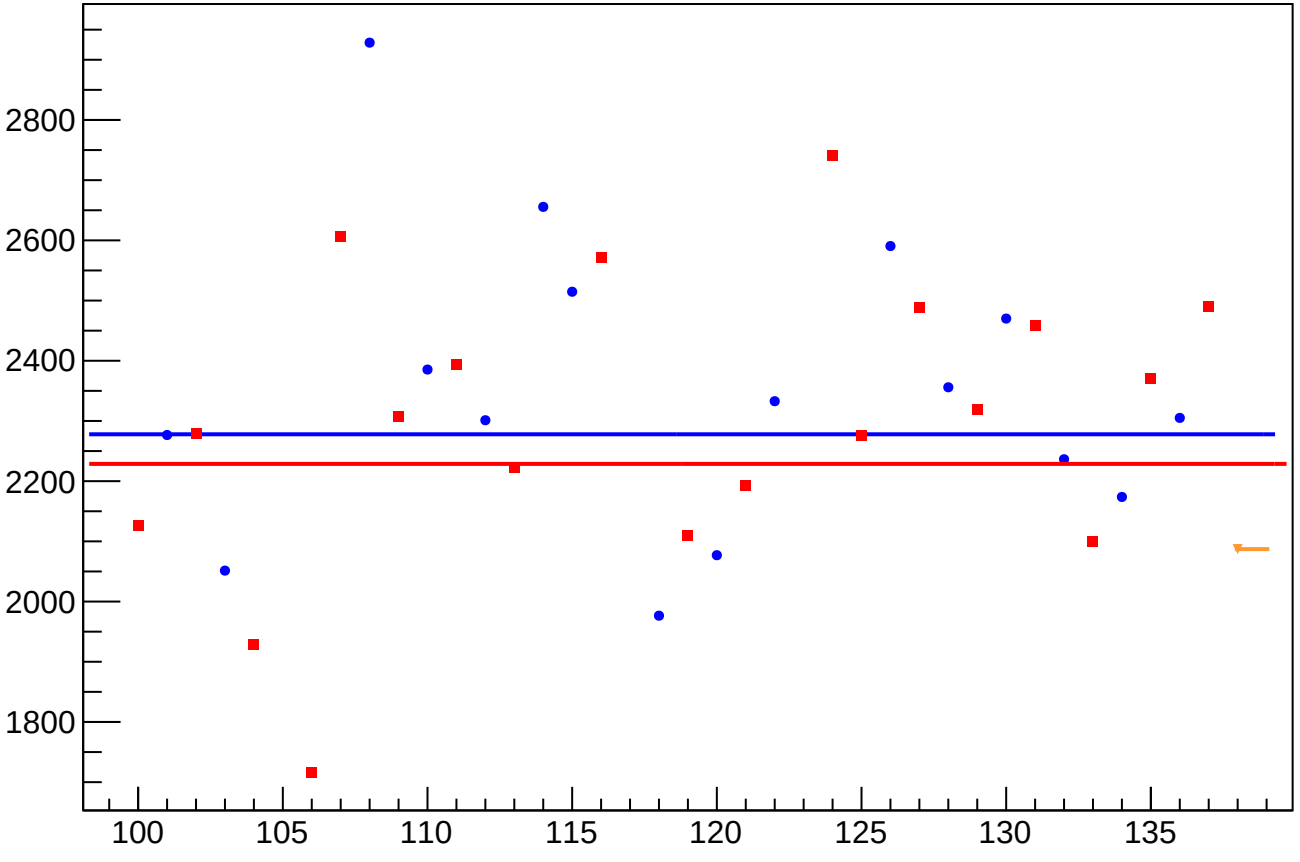
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: 80.955+/-0.851 χ^2/NDF:1813.9/15

Out: 2.717+/-0.775 χ^2/NDF:2749.7/19

All: 38.172+/-0.573 χ^2/NDF: 9180.7/35

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2087.114+/-1.678 χ^2/NDF:0.0/0

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2087.114+/-1.678 χ^2/NDF: 0.0/0

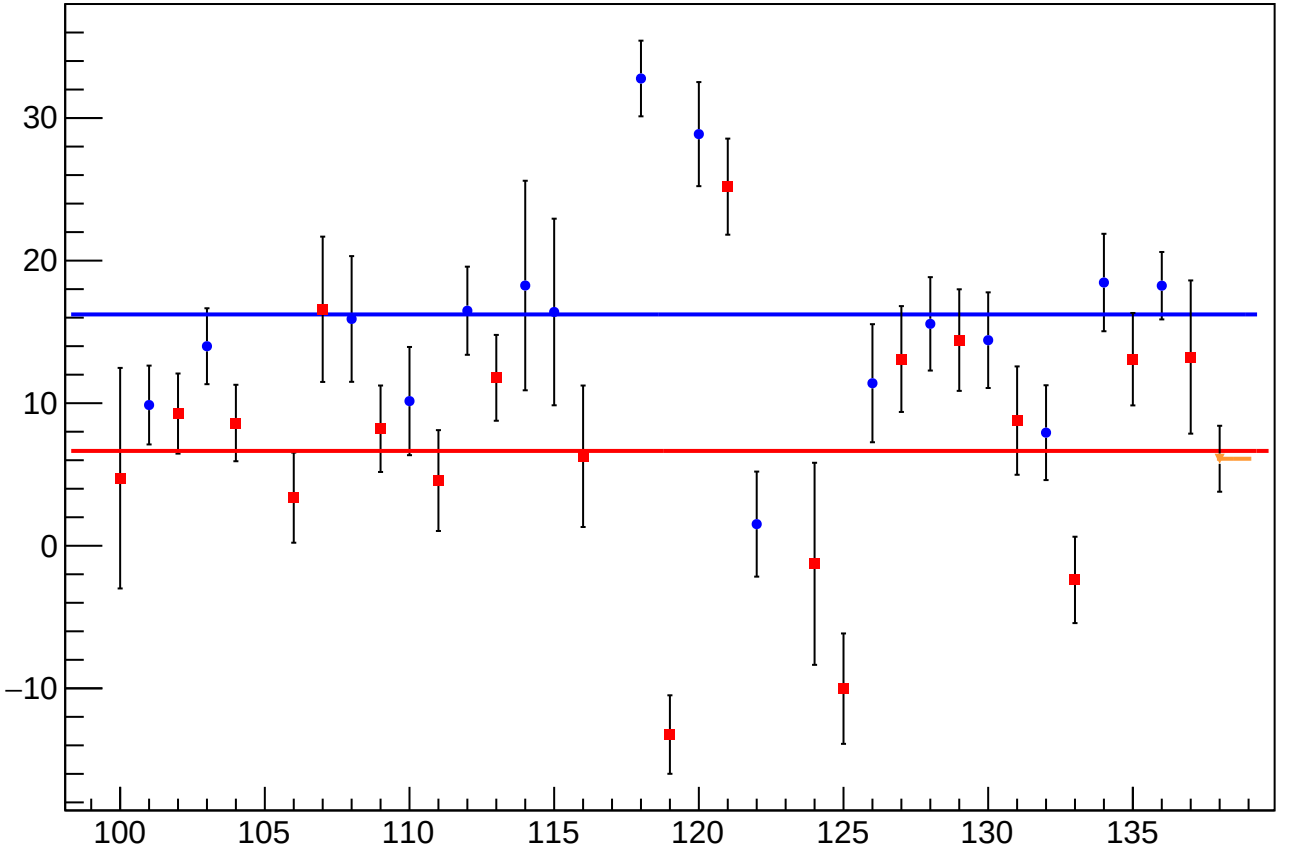
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2277.867+/-0.602 χ^2/NDF:115771.4/15

Out: 2213.578+/-0.548 χ^2/NDF:157497.5/19

All: 2242.711+/-0.405 χ^2/NDF: 279504.0/35

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 6.103+/-2.313 χ^2/NDF:0.0/0

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6.103+/-2.313 χ^2/NDF: 0.0/0

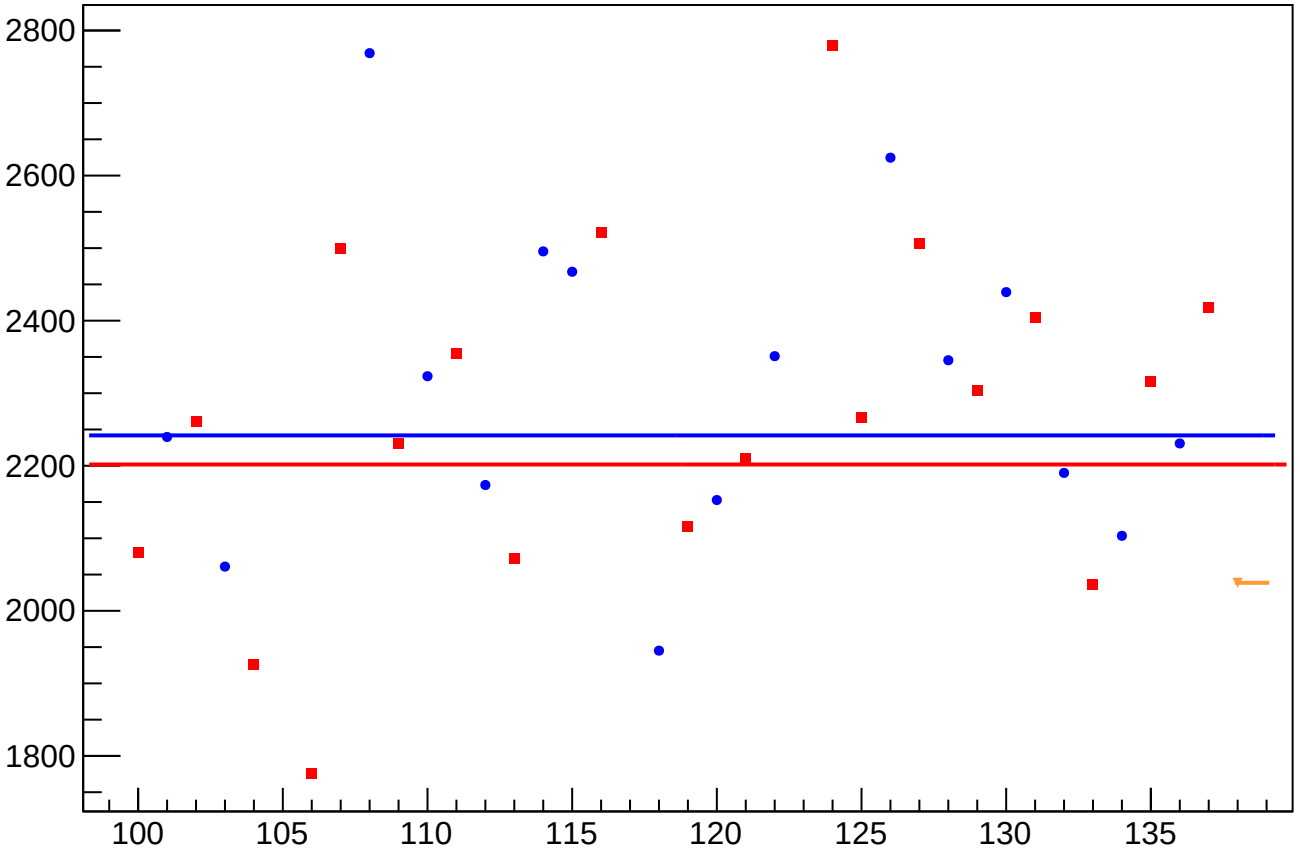
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 16.226+/-0.838 χ^2/NDF:84.5/15

Out: 6.592+/-0.764 χ^2/NDF:134.6/19

All: 10.967+/-0.564 χ^2/NDF: 291.4/35

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2038.668+/-0.636 χ^2/NDF:0.0/0

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2038.668+/-1.636 χ^2/NDF: 0.0/0

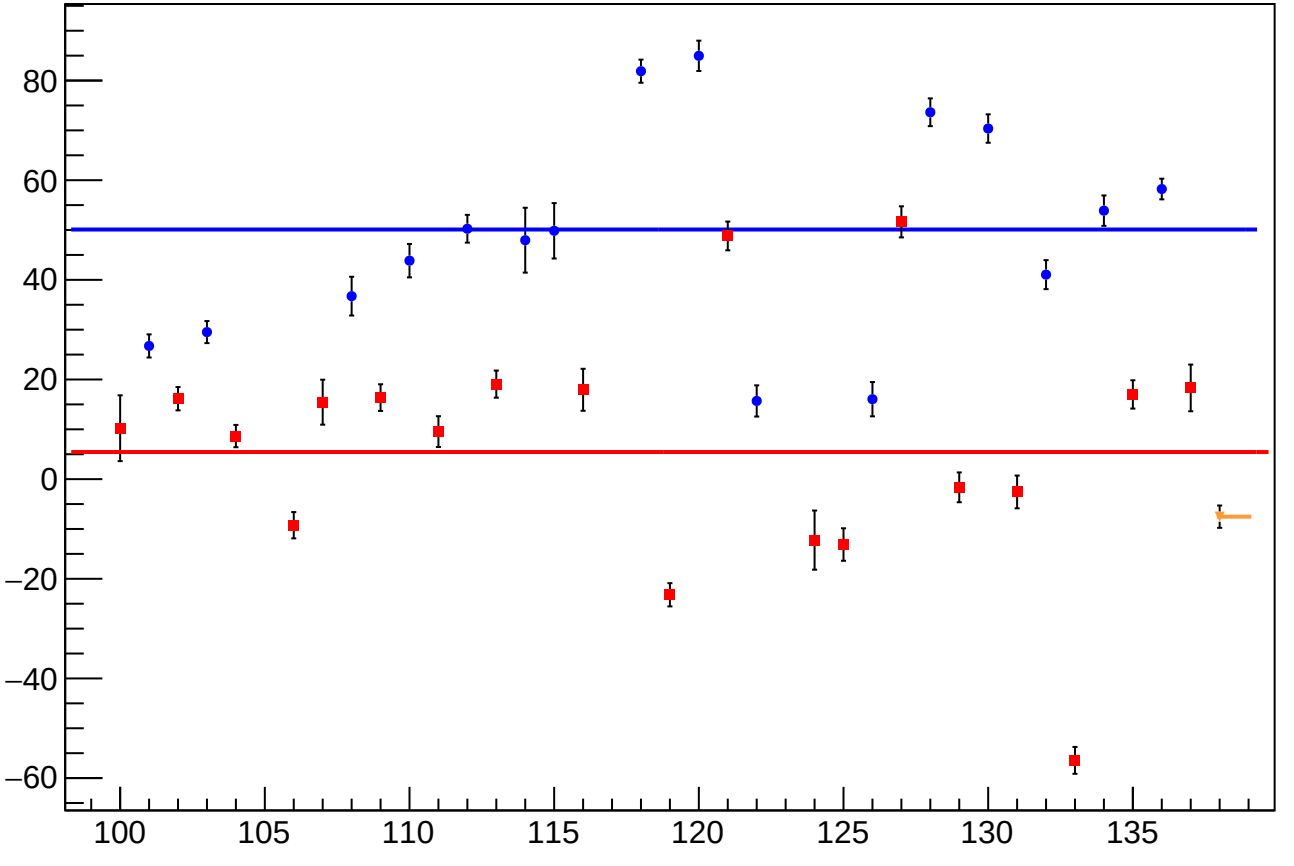
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2241.853+/-0.592 χ^2/NDF:102260.7/15

Out: 2183.957+/-0.540 χ^2/NDF:138736.9/19

All: 2210.246+/-0.399 χ^2/NDF: 246214.0/35

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -7.531+/-2.240 χ^2/NDF:0.0/0

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -7.531+/-2.240 χ^2/NDF: 0.0/0

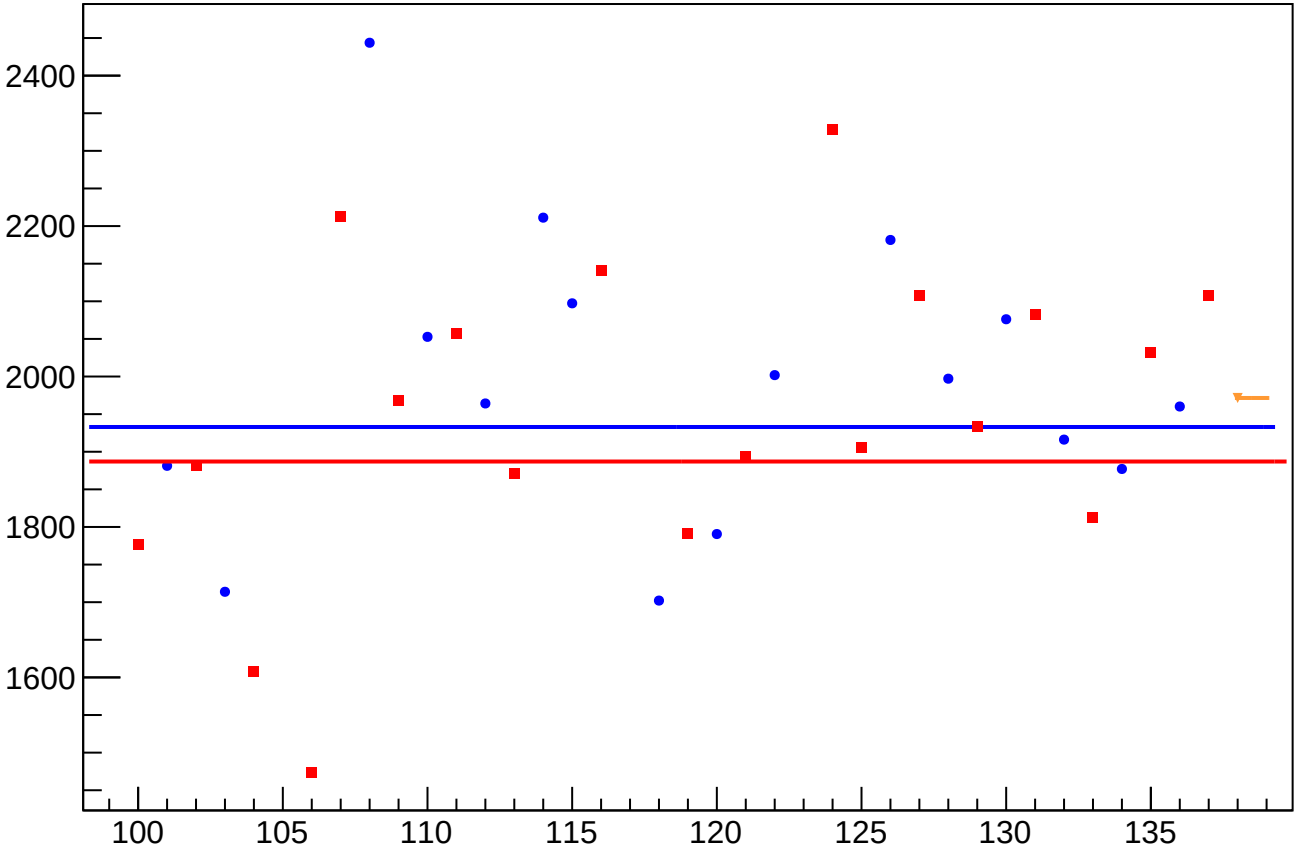
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: 50.102+/-0.722 χ^2/NDF:888.5/15

Out: 4.307+/-0.663 χ^2/NDF:1342.2/19

All: 25.258+/-0.488 χ^2/NDF: 4412.5/35

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1971.481+/-1.584 χ^2/NDF:0.0/0

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1971.481+/-1.584 χ^2/NDF: 0.0/0

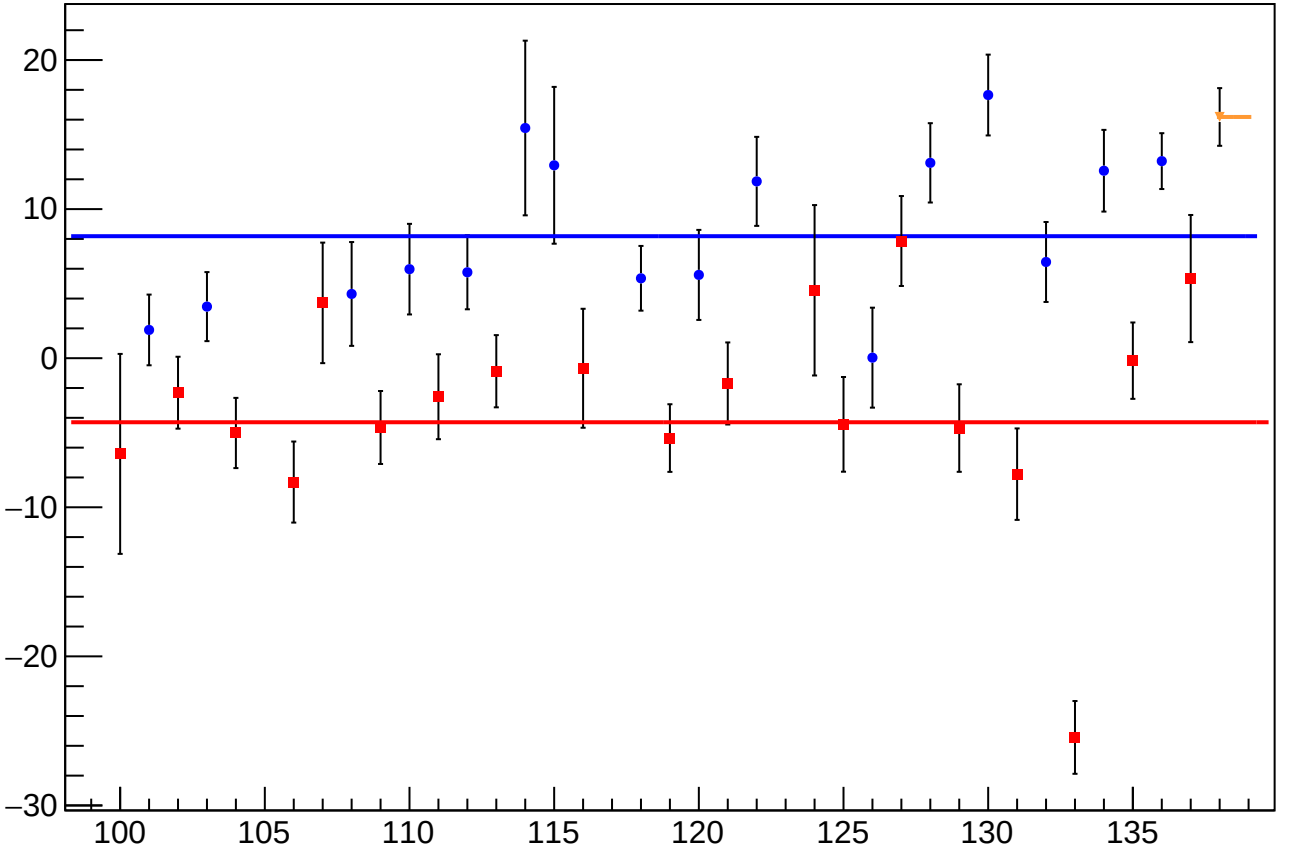
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1932.904+/-0.511 χ^2/NDF:105967.6/15

Out: 1894.408+/-0.469 χ^2/NDF:152341.3/19

All: 1912.020+/-0.345 χ^2/NDF: 261392.3/35

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 16.181+/-1.935 χ^2/NDF:0.0/0

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

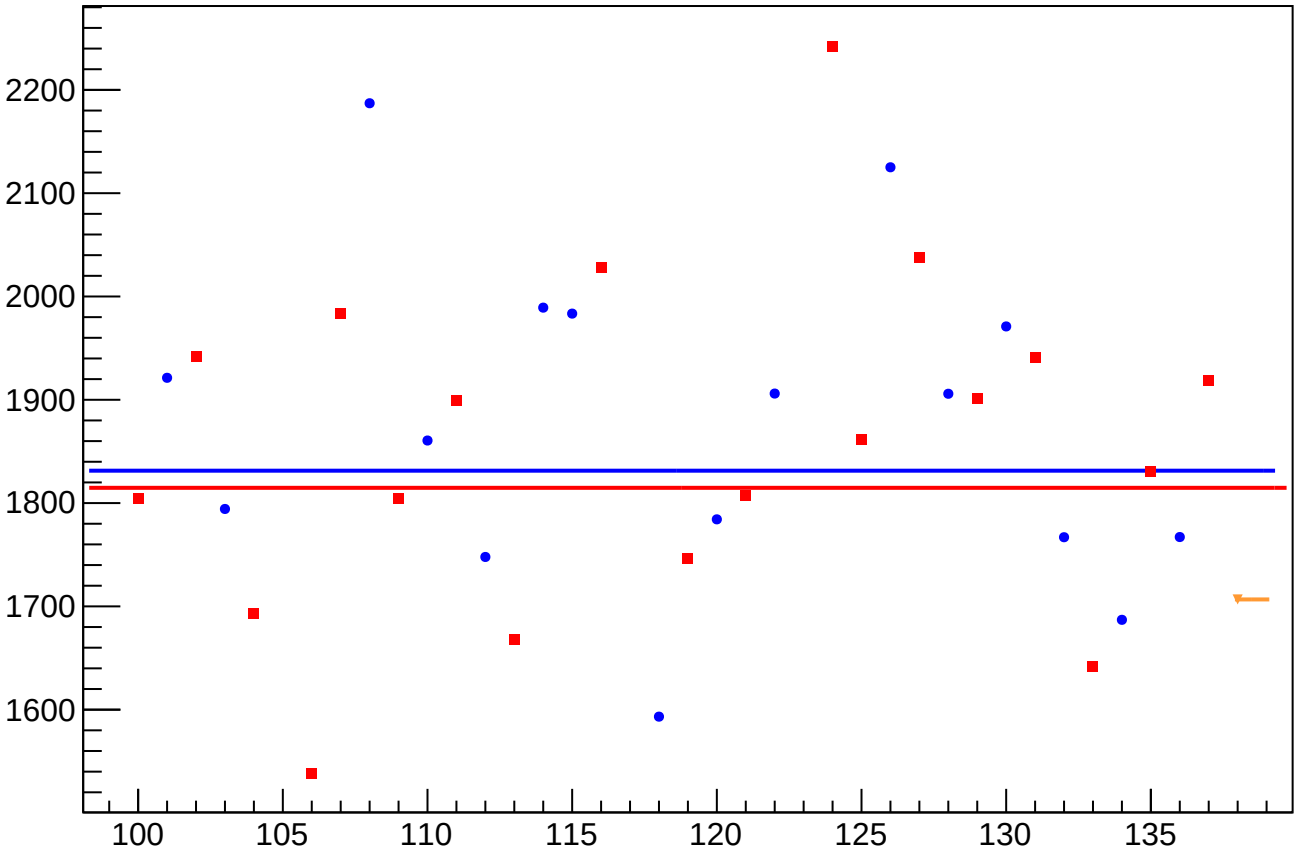
Left: 16.181+/-1.935 χ^2/NDF: 0.0/0

Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 8.183+/-0.684 χ^2/NDF:52.0/15

Out: -2.131+/-0.629 χ^2/NDF:214.1/19

All: 2.600+/-0.463 χ^2/NDF: 389.3/35



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1706.717+/-1.368 χ^2/NDF:0.0/0

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1706.717+/-1.368 χ^2/NDF: 0.0/0

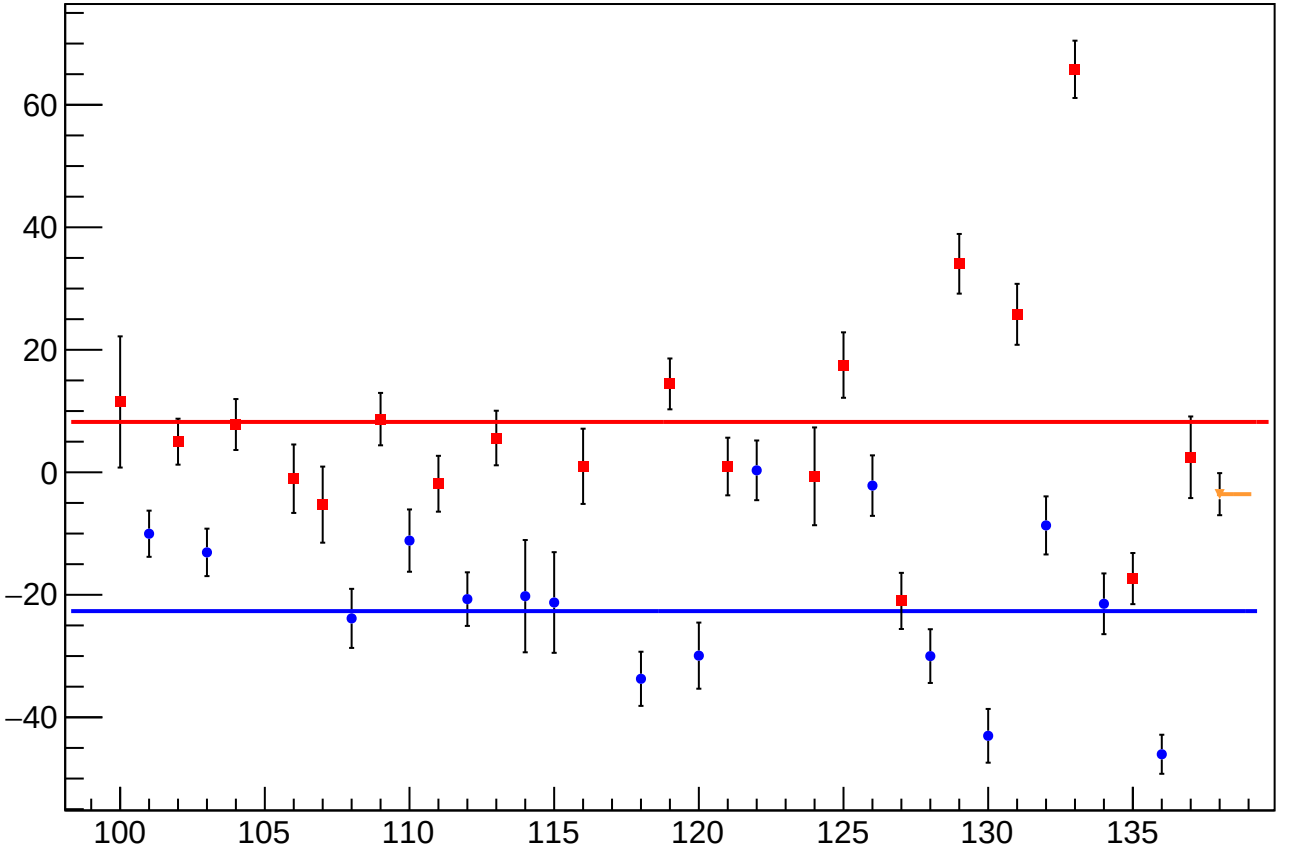
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1831.359+/-0.483 χ^2/NDF:86919.2/15

Out: 1803.346+/-0.445 χ^2/NDF:96315.6/19

All: 1816.197+/-0.327 χ^2/NDF: 185052.9/35

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -3.568+/-3.435 χ^2/NDF:0.0/0

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

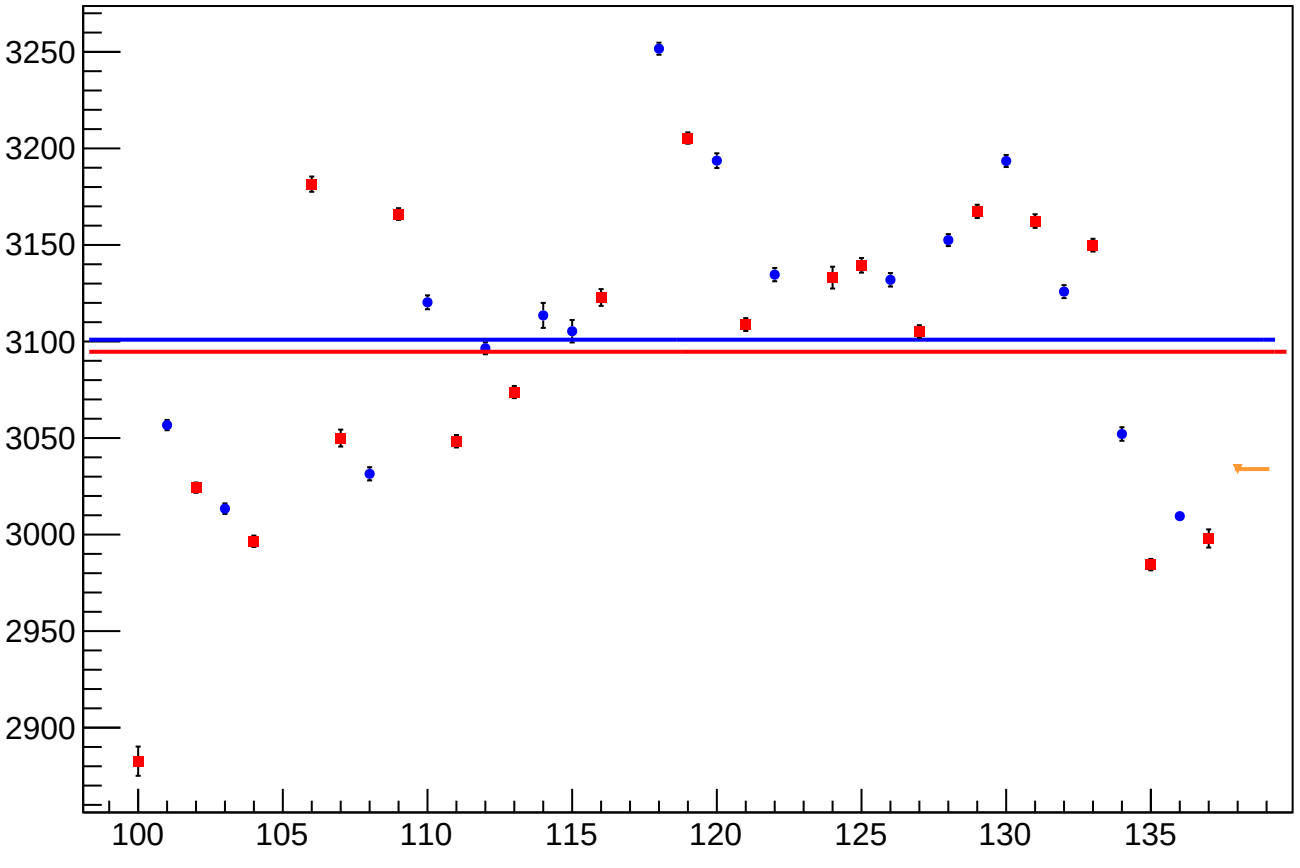
Left: -3.568+/-3.435 χ^2/NDF: 0.0/0

Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -22.663+/-1.152 χ^2/NDF:157.2/15

Out: 7.075+/-1.072 χ^2/NDF:305.5/19

All: -6.732+/-0.785 χ^2/NDF: 819.7/35



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3033.925+/-2.429 χ^2/NDF:0.0/0

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 3033.925+/-2.429 χ^2/NDF: 0.0/0

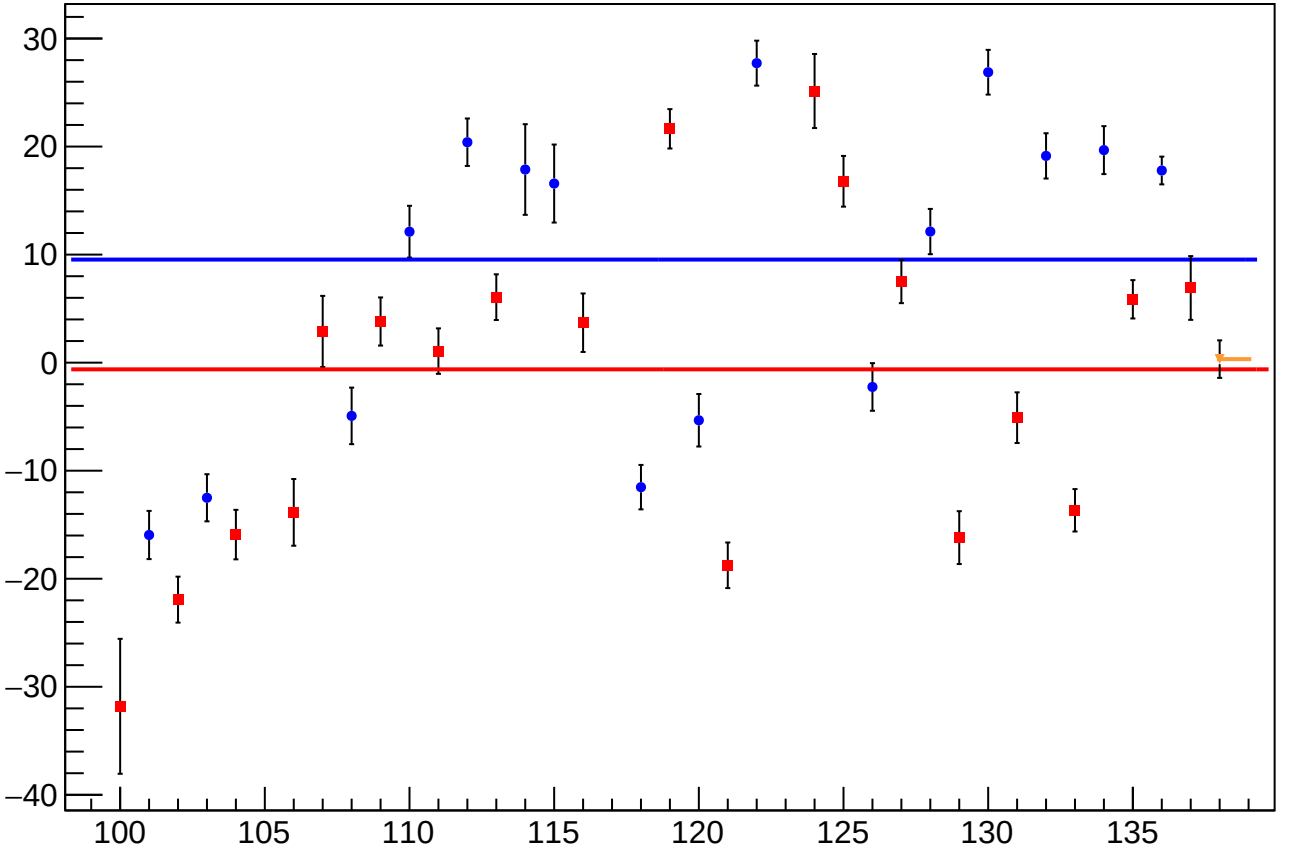
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3100.940+/-0.815 χ^2/NDF:7893.7/15

Out: 3088.765+/-0.758 χ^2/NDF:9149.3/19

All: 3094.418+/-0.555 χ^2/NDF: 17162.7/35

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 0.327+/-1.738 χ^2/NDF:0.0/0

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.327+/-1.738 χ^2/NDF: 0.0/0

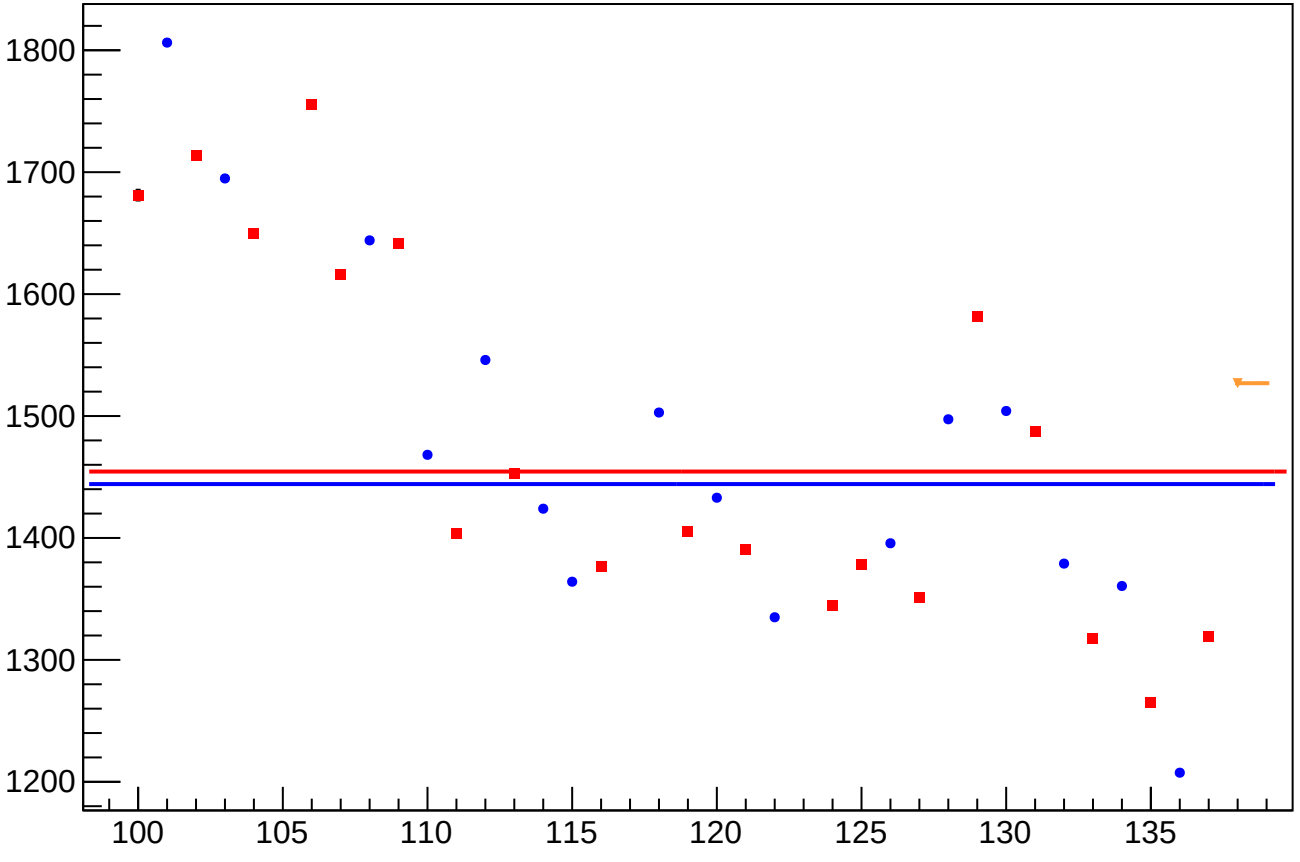
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: 9.540+/-0.541 χ^2/NDF:698.7/15

Out: -0.538+/-0.511 χ^2/NDF:666.1/19

All: 4.207+/-0.371 χ^2/NDF: 1548.3/35

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1526.927+/-1.229 χ^2/NDF:0.0/0

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1526.927+/-1.229 χ^2/NDF: 0.0/0

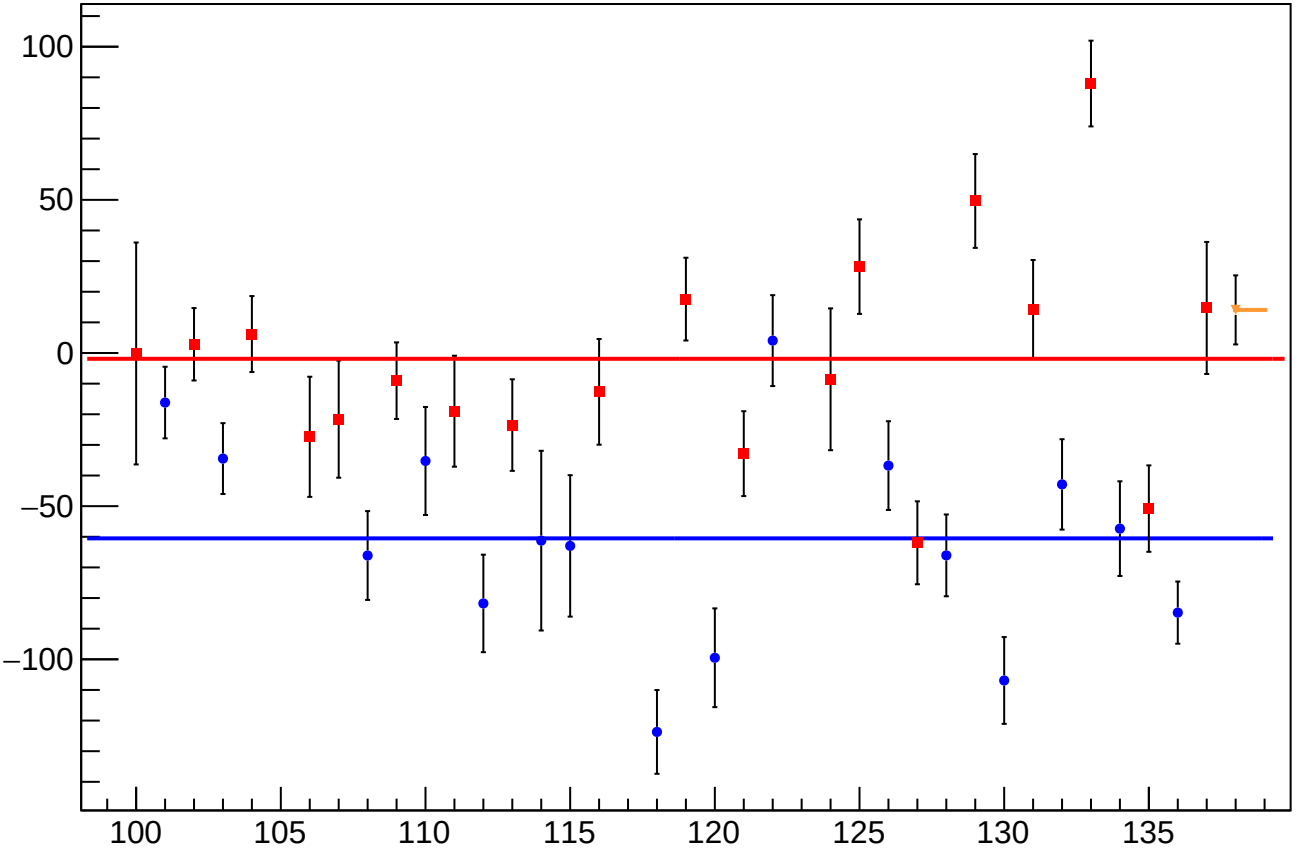
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1444.188+/-0.383 χ^2/NDF:180147.9/15

Out: 1460.725+/-0.361 χ^2/NDF:145950.4/19

All: 1452.940+/-0.263 χ^2/NDF: 327086.3/35

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: 14.073+/-11.272 χ^2/NDF:0.0/0

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 14.073+/-11.272 χ^2/NDF: 0.0/0

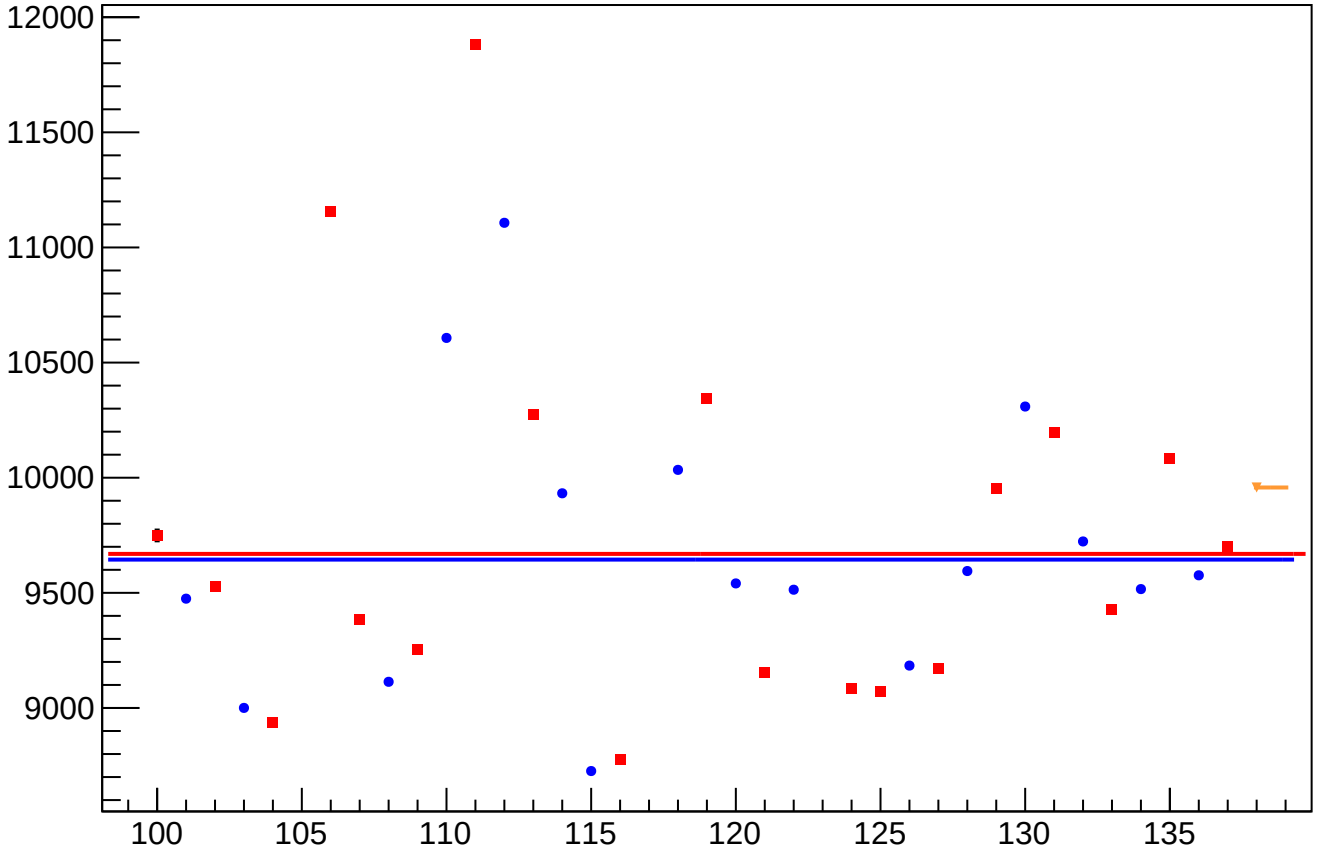
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -60.516+/-3.596 χ^2/NDF:90.3/15

Out: -0.458+/-3.380 χ^2/NDF:105.7/19

All: -28.626+/-2.463 χ^2/NDF: 344.1/35

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9957.533+/-7.971 χ^2/NDF:0.0/0

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9957.533+/-7.971 χ^2/NDF: 0.0/0

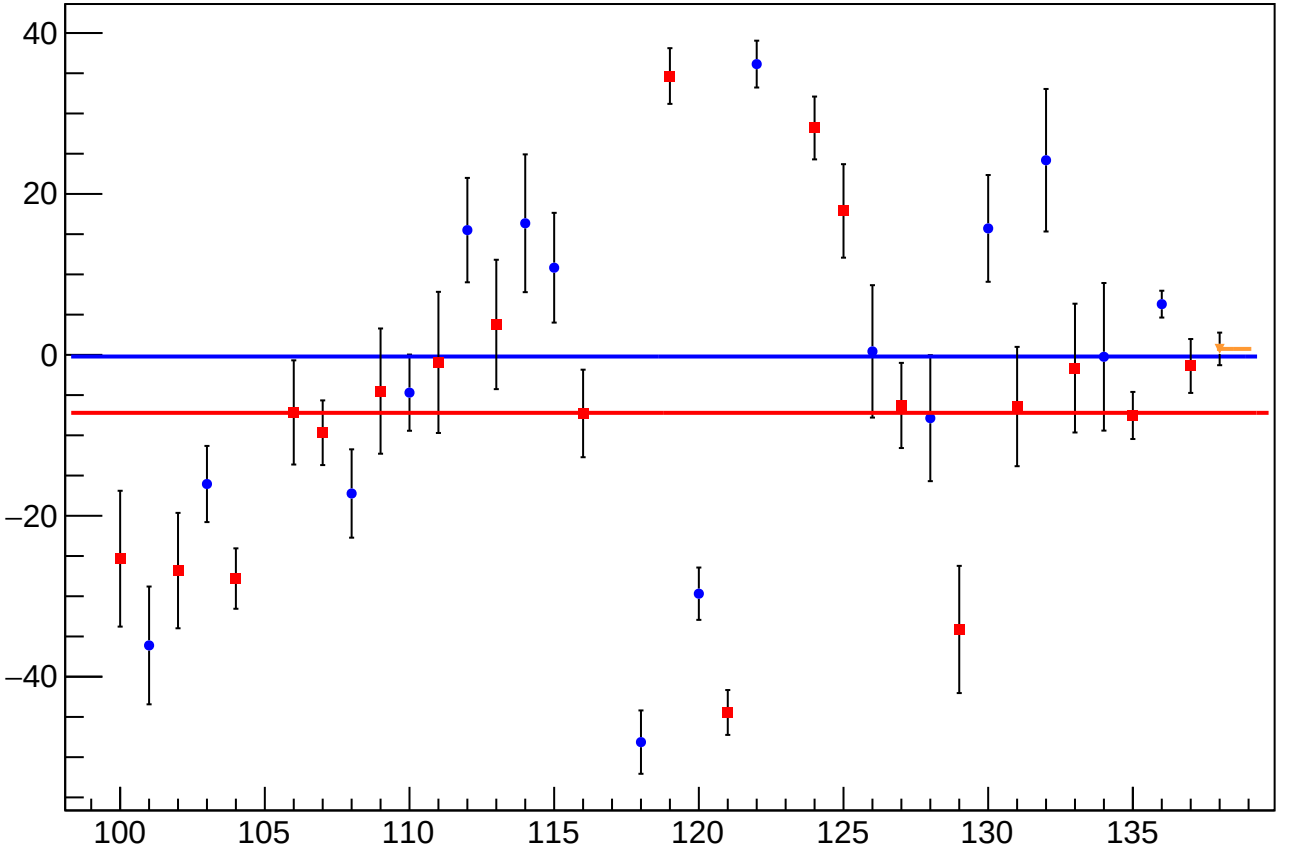
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9644.396+/-2.543 χ^2/NDF:44101.6/15

Out: 9695.063+/-2.390 χ^2/NDF:81069.5/19

All: 9671.300+/-1.742 χ^2/NDF: 125381.9/35

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 0.740+/-2.025 χ^2/NDF:0.0/0

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.740+/-2.025 χ^2/NDF: 0.0/0

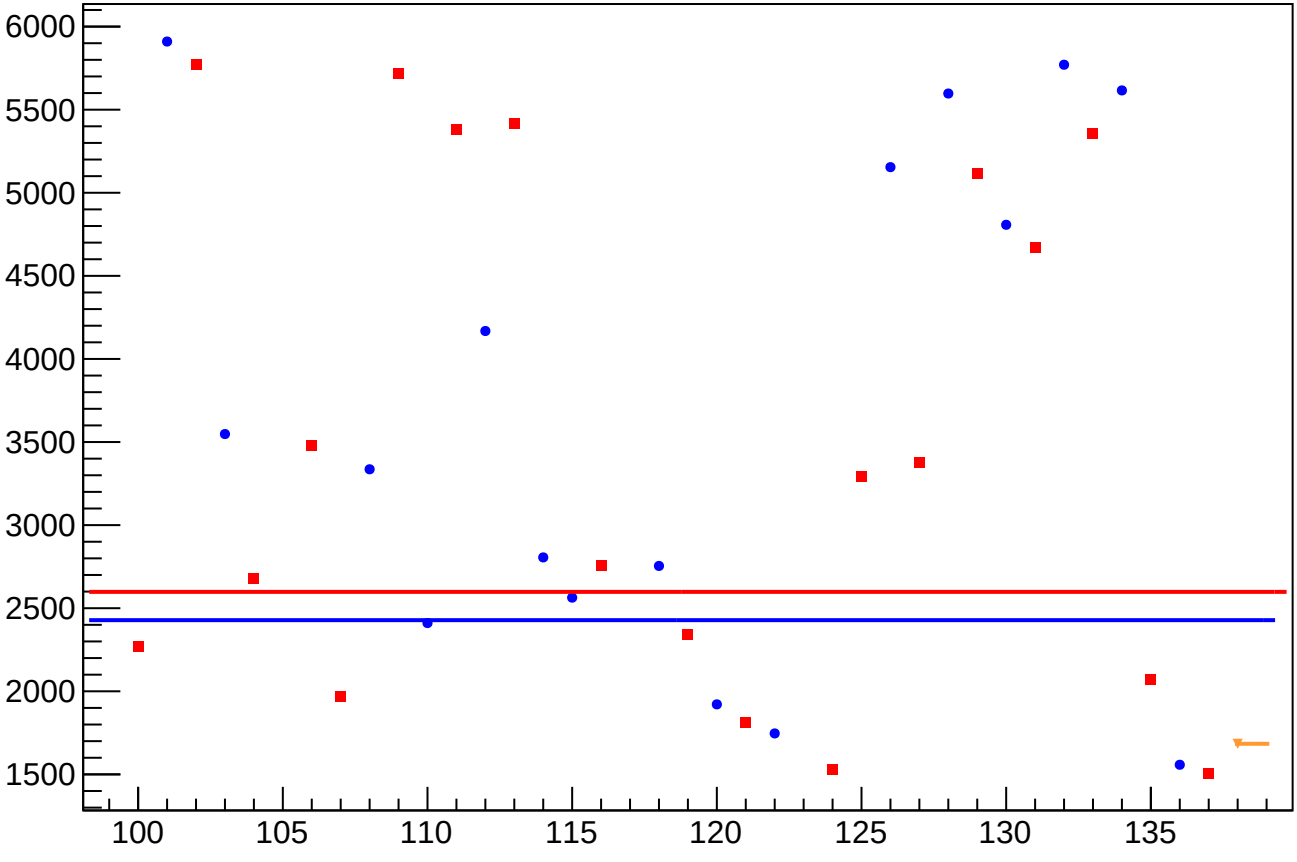
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -0.206+/-1.045 χ^2/NDF:473.7/15

Out: -5.462+/-0.949 χ^2/NDF:497.7/19

All: -3.089+/-0.702 χ^2/NDF: 985.2/35

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1684.124+/-1.432 χ^2/NDF:0.0/0

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1684.124+/-1.432 χ^2/NDF: 0.0/0

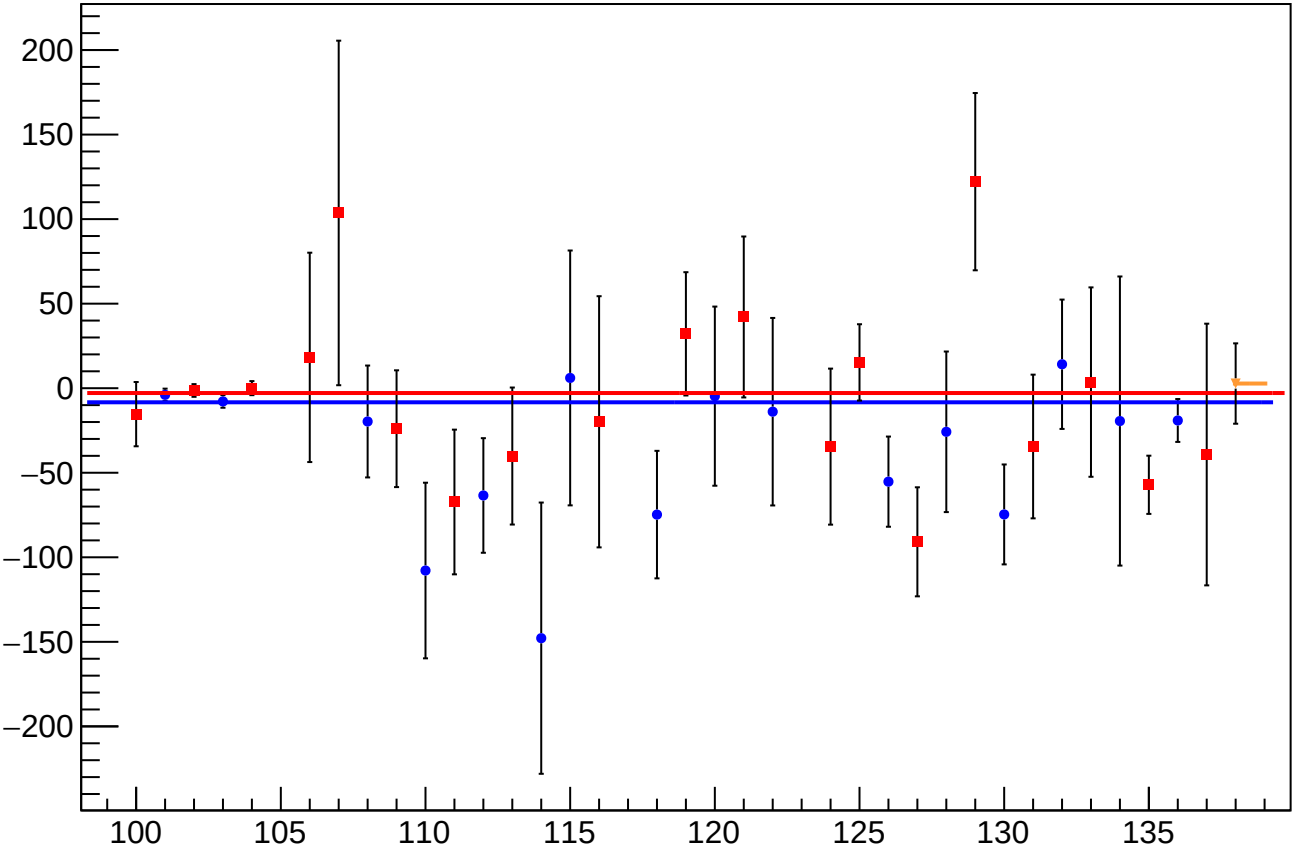
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2428.080+/-0.739 χ^2/NDF:2815335.2/15

Out: 2397.652+/-0.671 χ^2/NDF:2833239.2/19

All: 2411.391+/-0.497 χ^2/NDF: 5649503.8/35

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 2.760+/-23.765 χ^2/NDF:0.0/0

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

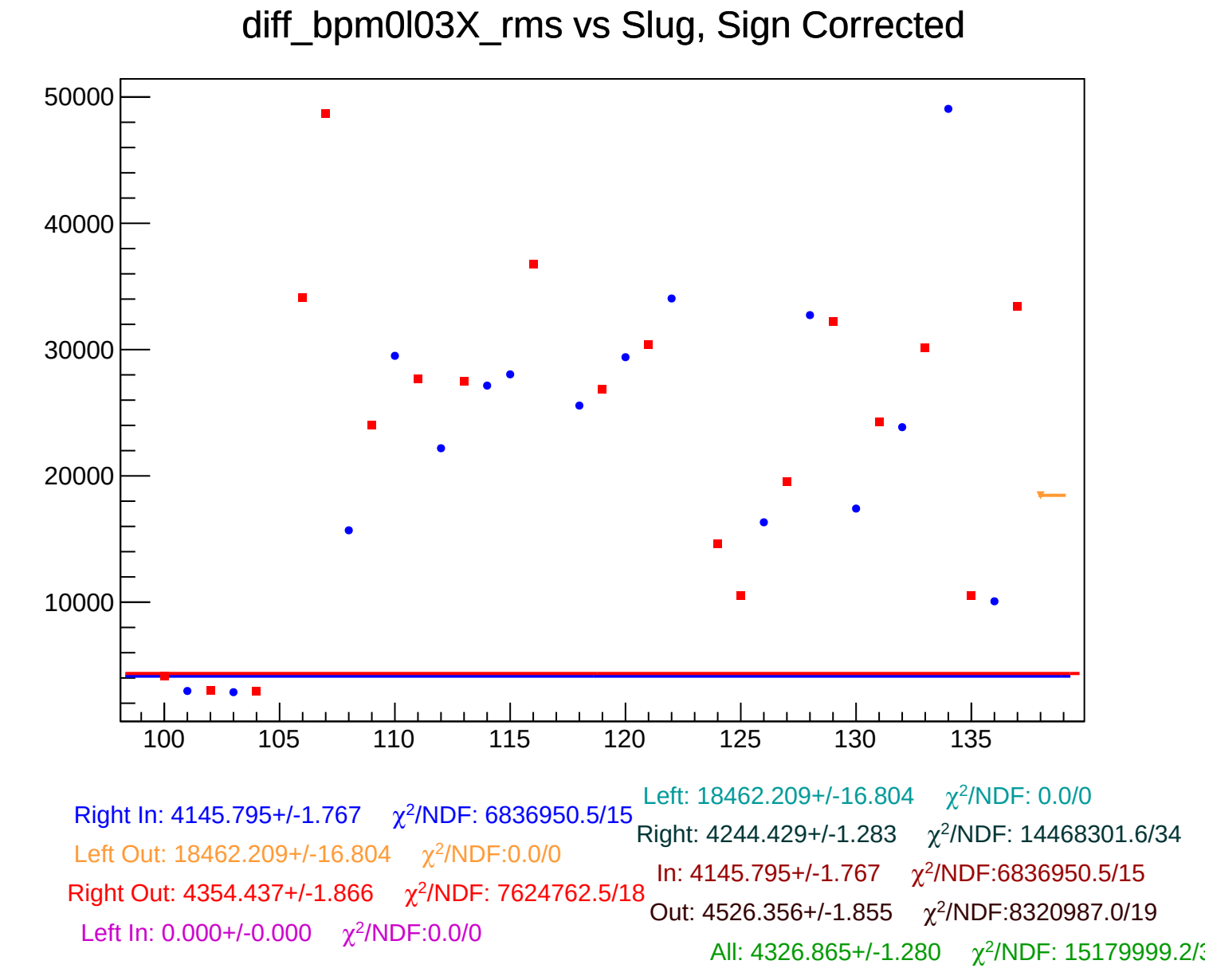
Left: 2.760+/-23.765 χ^2/NDF: 0.0/0

Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

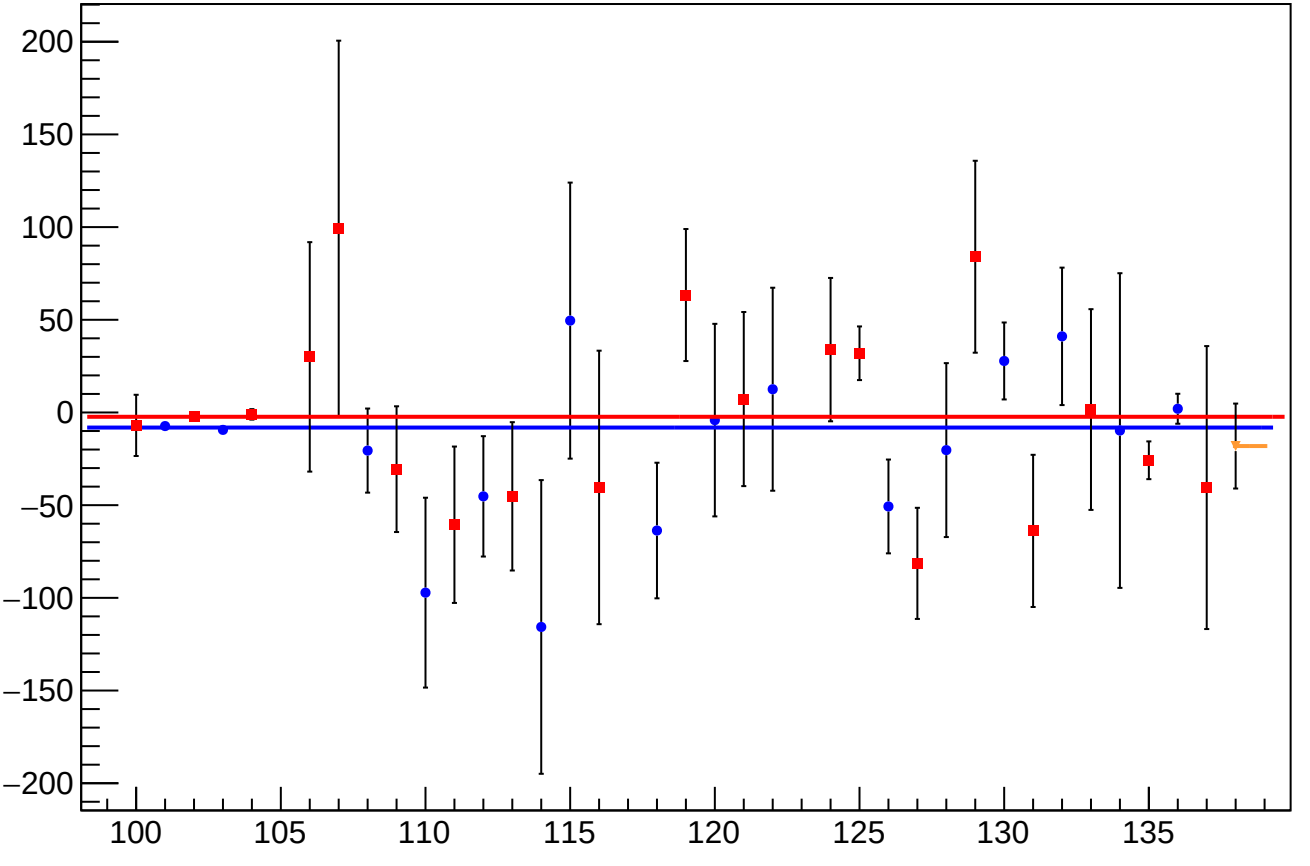
In: -8.332+/-2.499 χ^2/NDF:23.4/15

Out: -2.780+/-2.623 χ^2/NDF:32.7/19

All: -5.690+/-1.810 χ^2/NDF: 58.4/35


diff_bpm0l03X_rms vs Slug, Sign Corrected
50000
40000
30000
20000
10000
100
105
110
115
120
125
130
135
Right In: 4145.795+/-1.767 χ²/NDF: 6836950.5/15
Left Out: 18462.209+/-16.804 χ²/NDF:0.0/0
Right Out: 4354.437+/-1.866 χ²/NDF: 7624762.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 18462.209+/-16.804 χ²/NDF: 0.0/0
Right: 4244.429+/-1.283 χ²/NDF: 14468301.6/34
In: 4145.795+/-1.767 χ²/NDF:6836950.5/15
Out: 4526.356+/-1.855 χ²/NDF:8320987.0/19
All: 4326.865+/-1.280 χ²/NDF: 15179999.2/3

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -18.113+/-22.913 χ^2/NDF:0.0/0

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

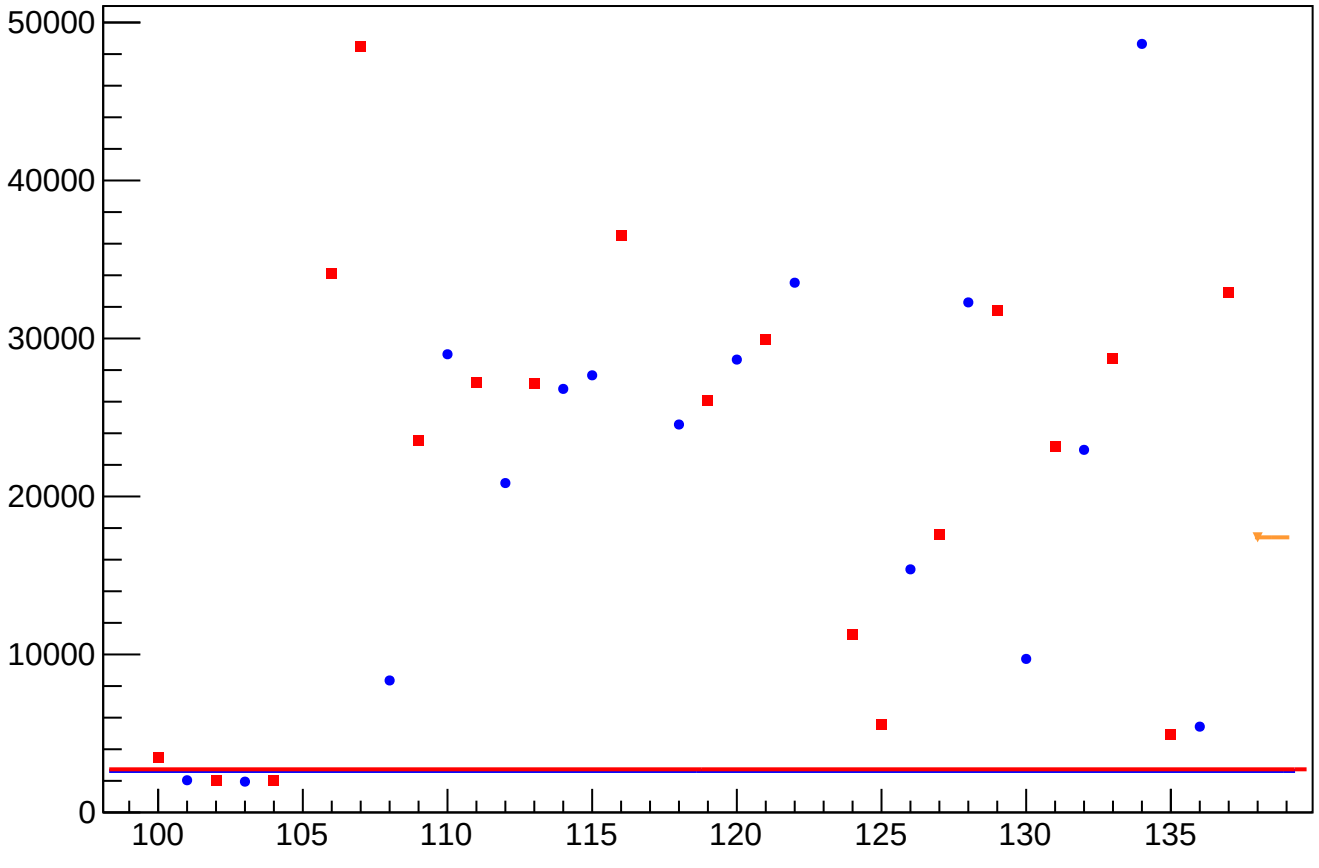
Left: -18.113+/-22.913 χ^2/NDF: 0.0/0

Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -8.132+/-1.720 χ^2/NDF:19.1/15

Out: -2.424+/-1.816 χ^2/NDF:33.5/19

All: -5.432+/-1.249 χ^2/NDF: 57.8/35



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 17413.135+/-16.202 χ^2/NDF:0.0/0

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 17413.135+/-16.202 χ^2/NDF: 0.0/0

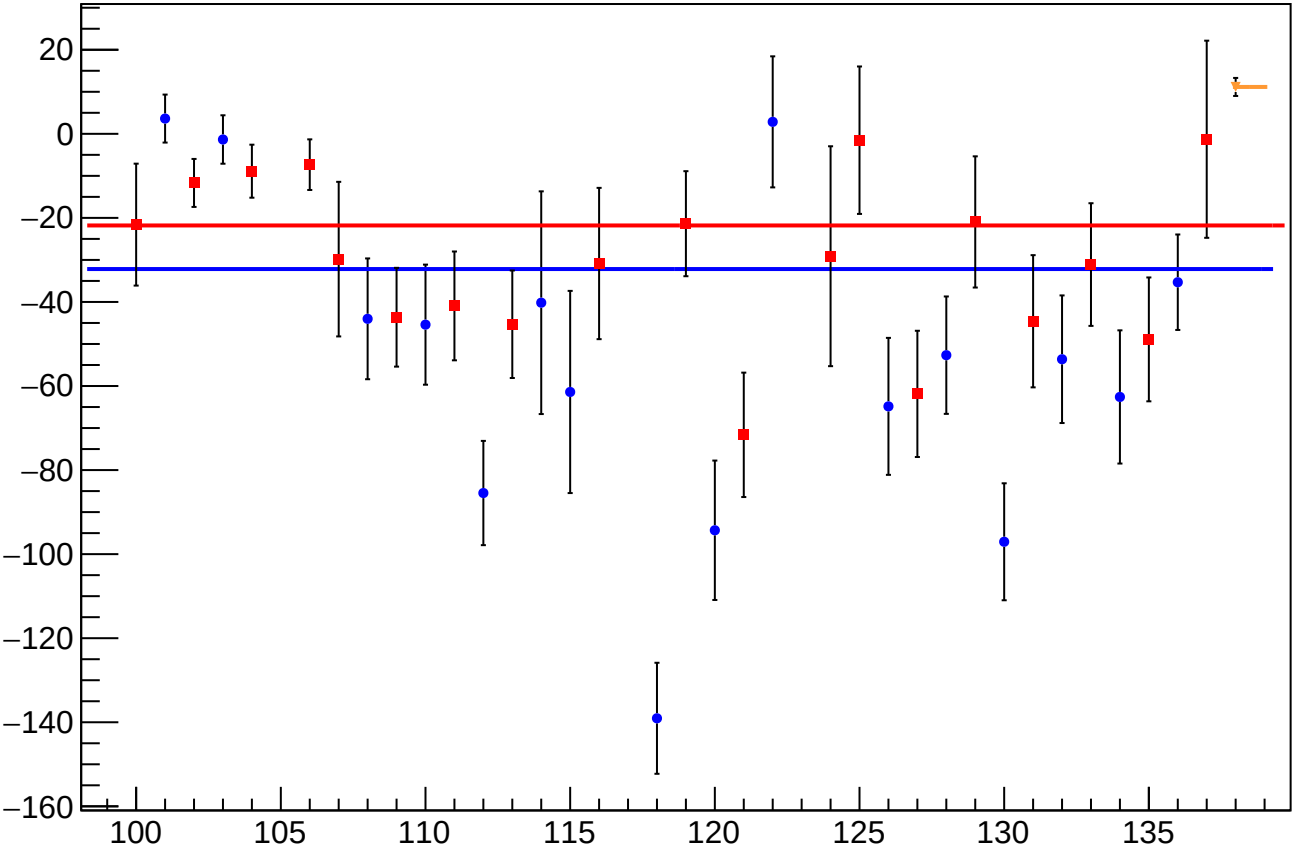
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 2626.430+/-1.216 χ^2/NDF:6780884.6/15

Out: 2822.456+/-1.284 χ^2/NDF:8802069.2/19

All: 2719.151+/-0.883 χ^2/NDF: 15595235.7/3

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 11.154+/-2.145 χ^2/NDF:0.0/0

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 11.154+/-2.145 χ^2/NDF: 0.0/0

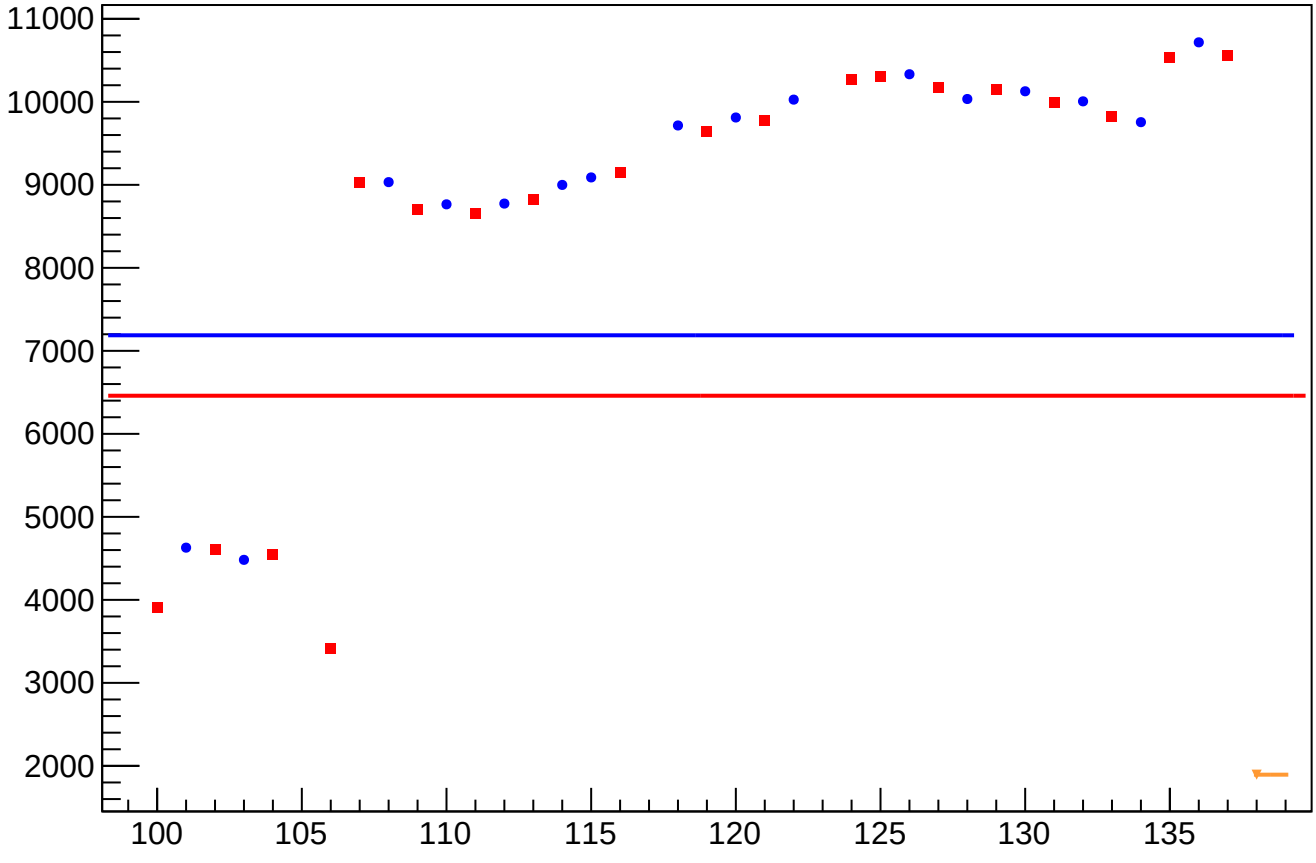
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: -32.171+/-2.842 χ^2/NDF:207.8/15

Out: -2.457+/-1.643 χ^2/NDF:146.6/19

All: -9.904+/-1.423 χ^2/NDF: 436.3/35

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1893.951+/-1.517 χ^2/NDF:0.0/0

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1893.951+/-1.517 χ^2/NDF: 0.0/0

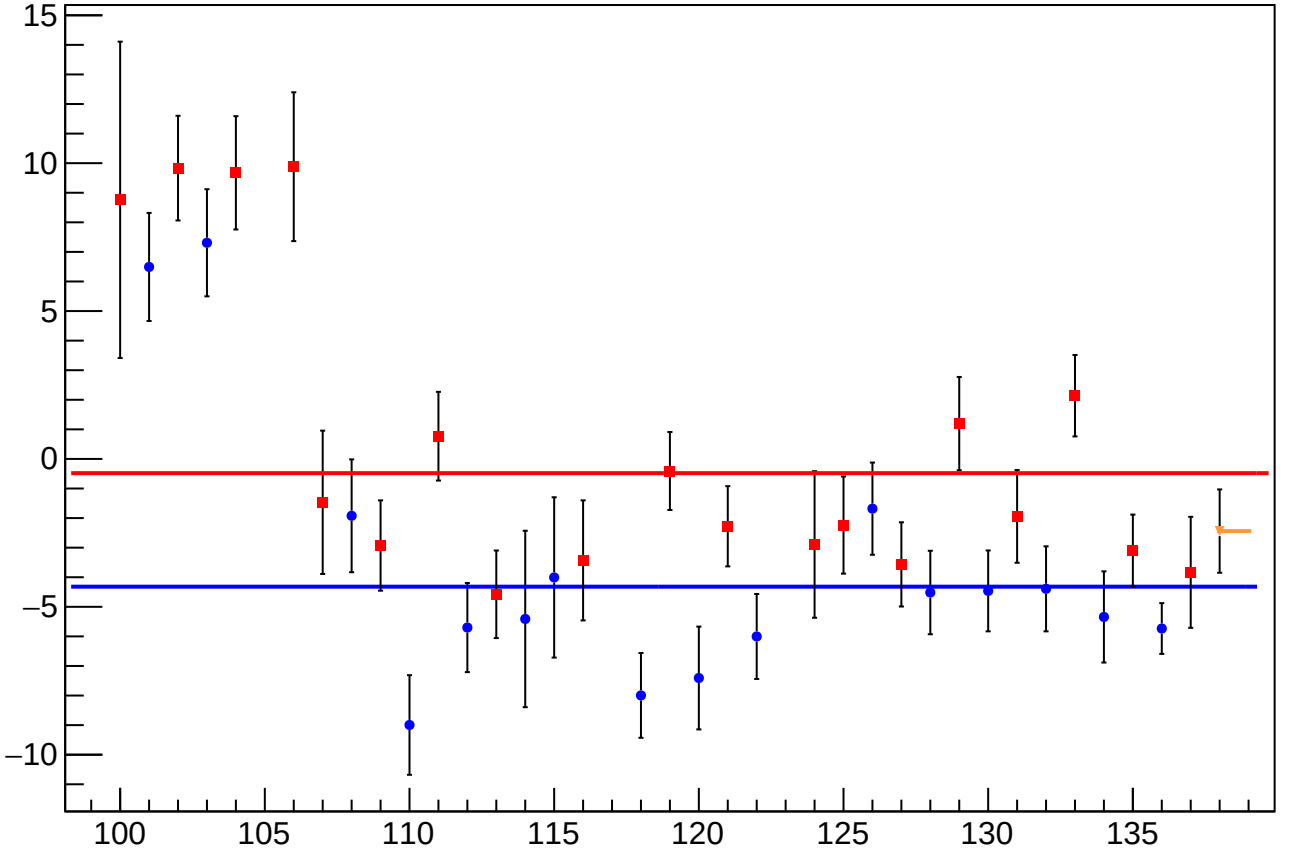
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 7187.494+/-2.009 χ^2/NDF:1705887.0/15

Out: 3779.470+/-1.162 χ^2/NDF:6017826.8/19

All: 4633.633+/-1.006 χ^2/NDF: 9879201.4/35

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -2.440+/-1.409 χ^2/NDF:0.0/0

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -2.440+/-1.409 χ^2/NDF: 0.0/0

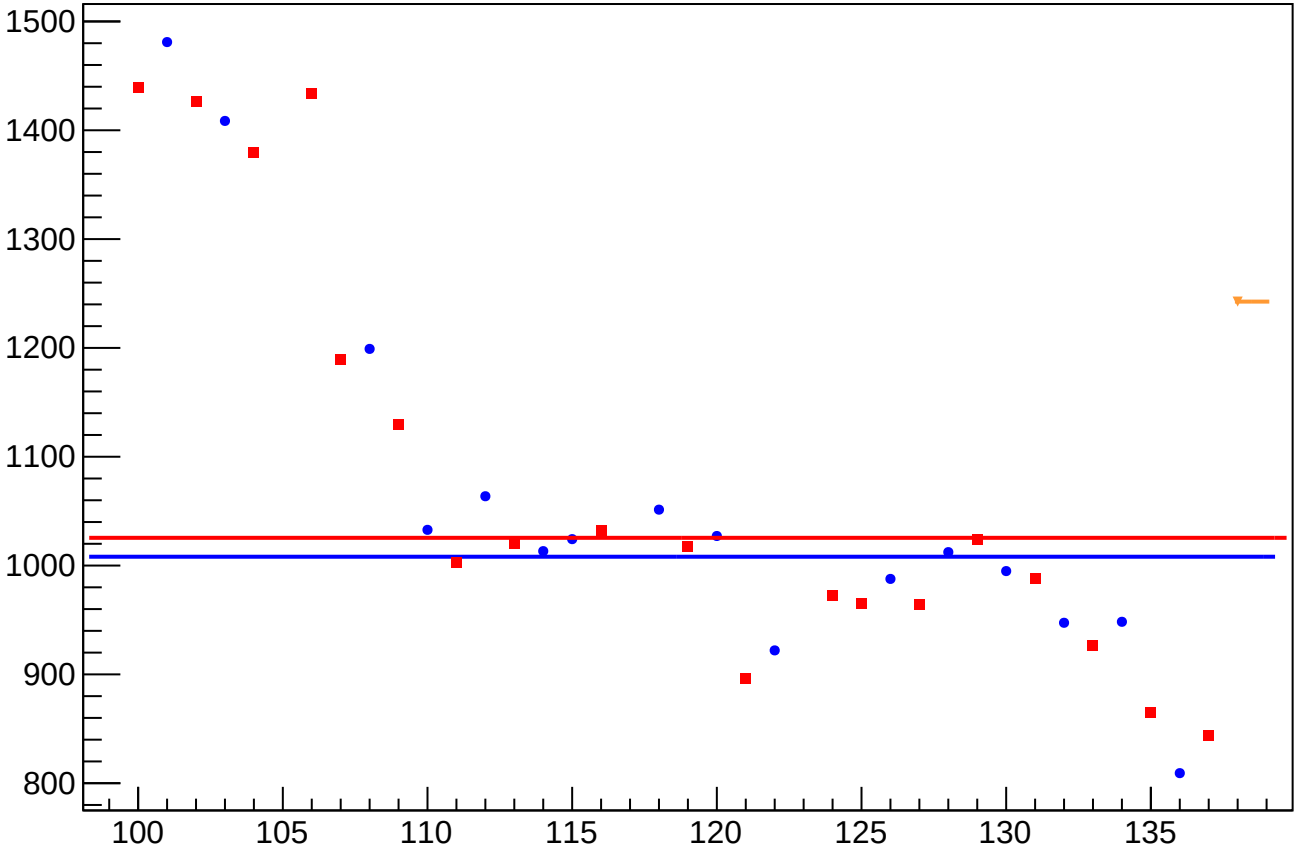
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: -4.319+/-0.380 χ^2/NDF:103.7/15

Out: -0.613+/-0.366 χ^2/NDF:119.0/19

All: -2.396+/-0.263 χ^2/NDF: 272.1/35

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1242.555+/-0.996 χ^2/NDF:0.0/0

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1242.555+/-0.996 χ^2/NDF: 0.0/0

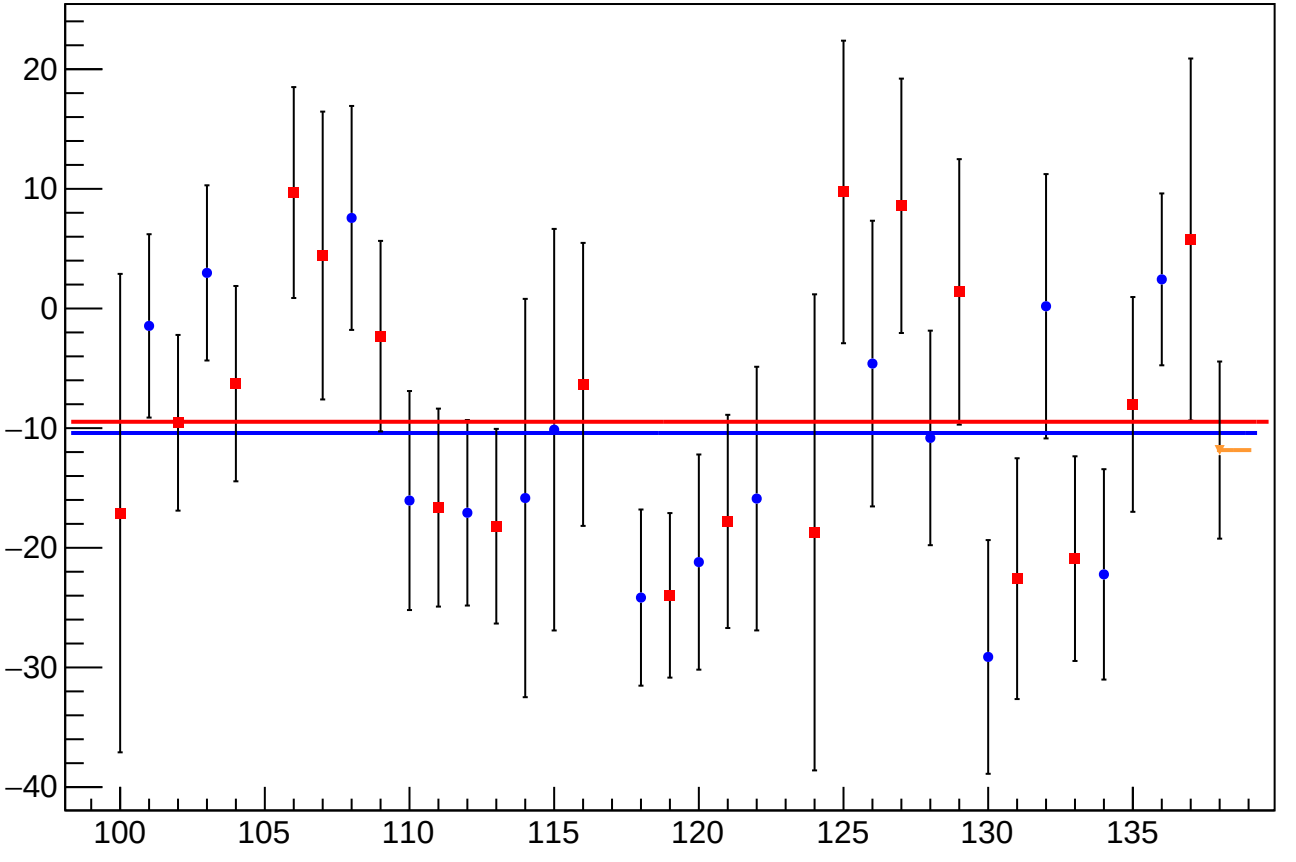
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1008.116+/-0.269 χ^2/NDF:378836.2/15

Out: 1040.106+/-0.259 χ^2/NDF:390258.4/19

All: 1024.714+/-0.186 χ^2/NDF: 776459.1/35

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -11.834+/-7.402 χ^2/NDF:0.0/0

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -11.834+/-7.402 χ^2/NDF: 0.0/0

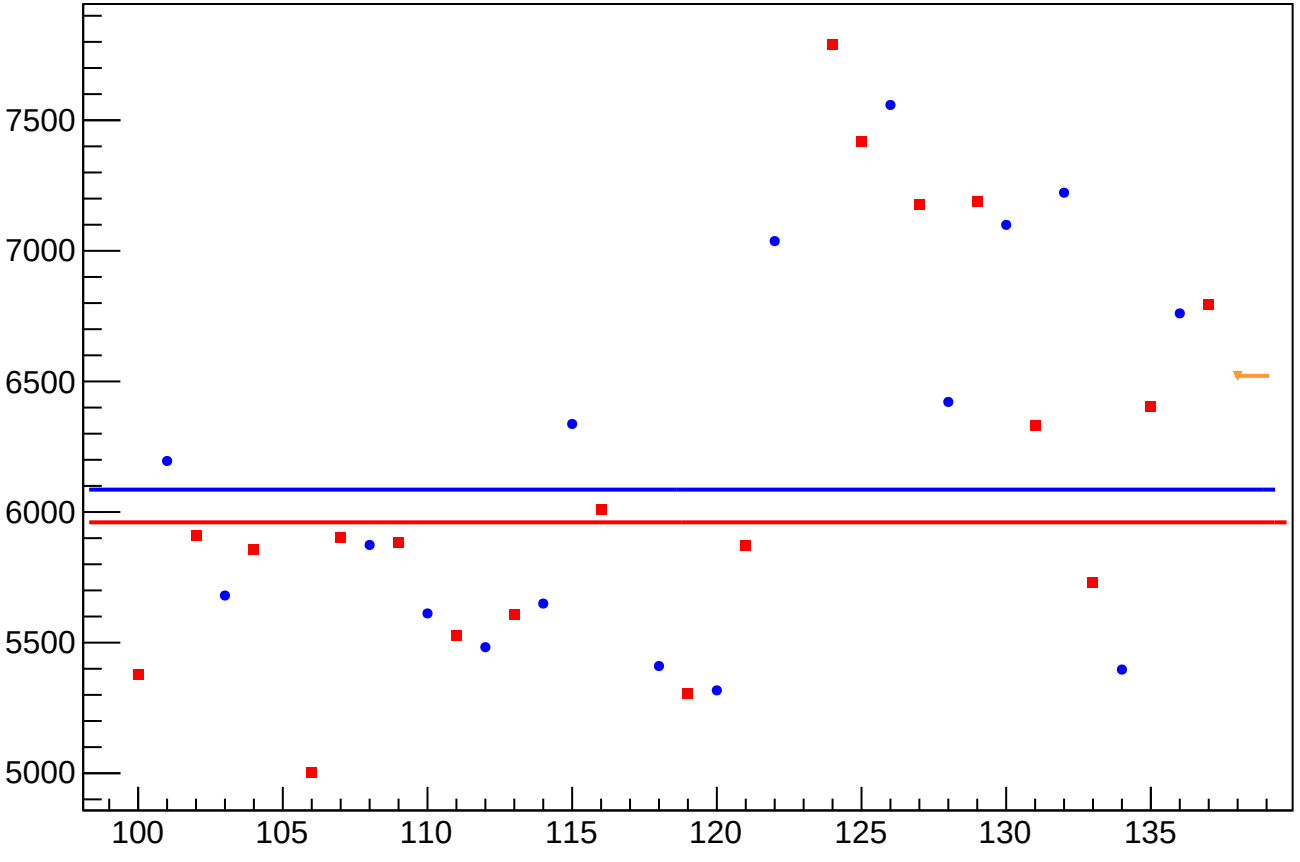
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -10.404+/-2.280 χ^2/NDF:24.6/15

Out: -9.658+/-2.101 χ^2/NDF:25.4/19

All: -10.000+/-1.545 χ^2/NDF: 50.1/35

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6521.368+/-5.234 χ^2/NDF:0.0/0

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

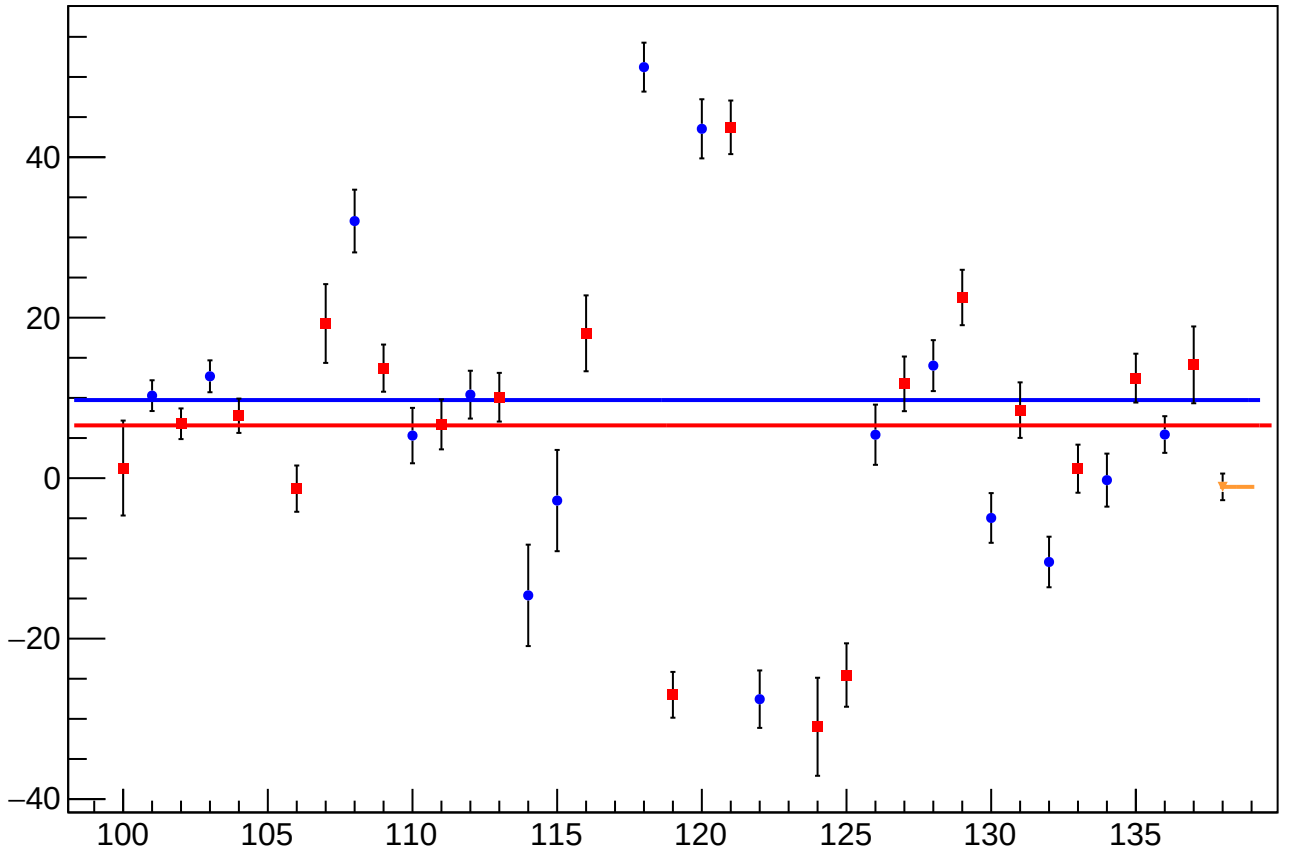
Left: 6521.368+/-5.234 χ^2/NDF: 0.0/0

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6085.873+/-1.612 χ^2/NDF:179118.8/15

Out: 6005.779+/-1.486 χ^2/NDF:173325.6/19

All: 6042.555+/-1.092 χ^2/NDF: 353779.1/35



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: -1.086+/-1.658 χ^2/NDF:0.0/0

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

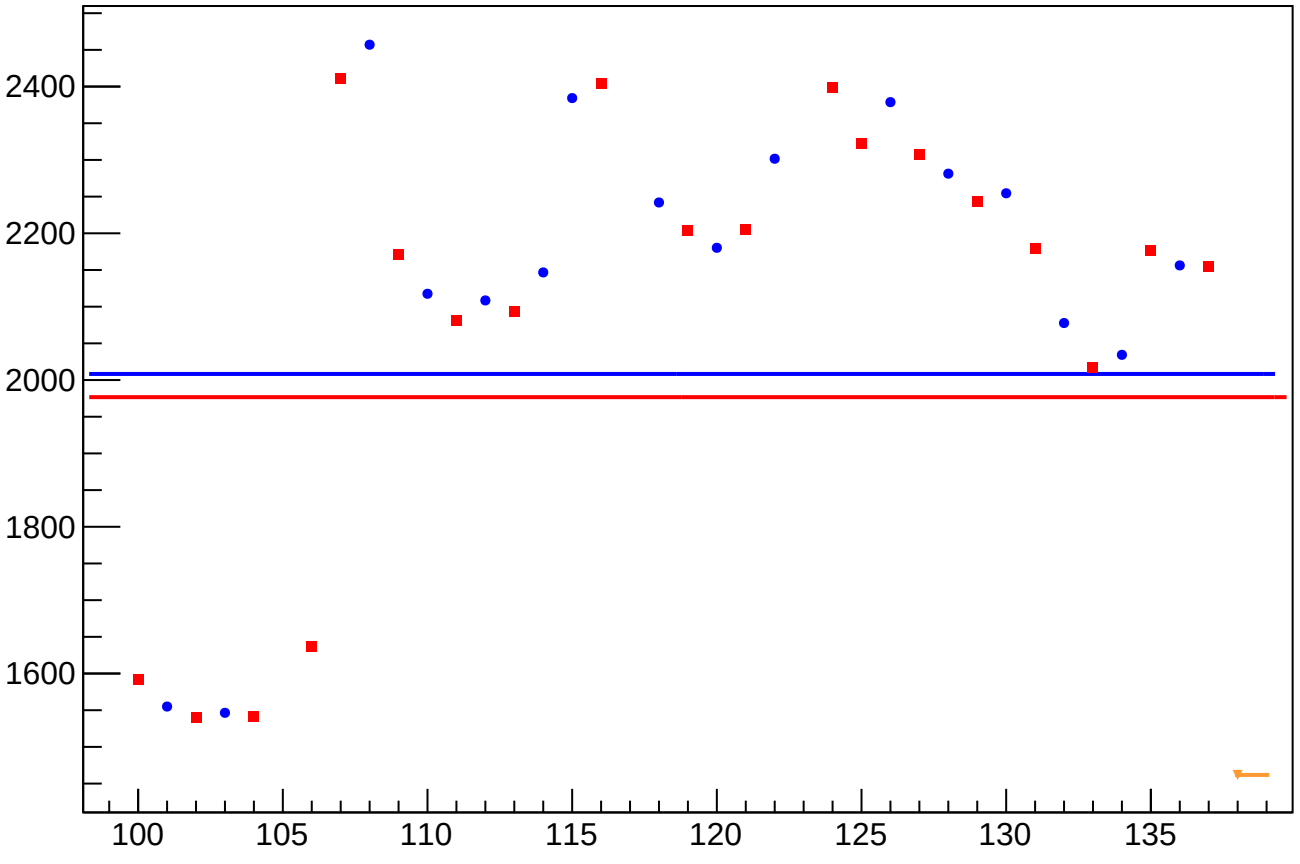
Left: -1.086+/-1.658 χ^2/NDF: 0.0/0

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: 9.733+/-0.755 χ^2/NDF:512.4/15

Out: 5.331+/-0.668 χ^2/NDF:441.7/19

All: 7.265+/-0.500 χ^2/NDF: 973.1/35



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1461.779+/-1.172 χ^2/NDF:0.0/0

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1461.779+/-1.172 χ^2/NDF: 0.0/0

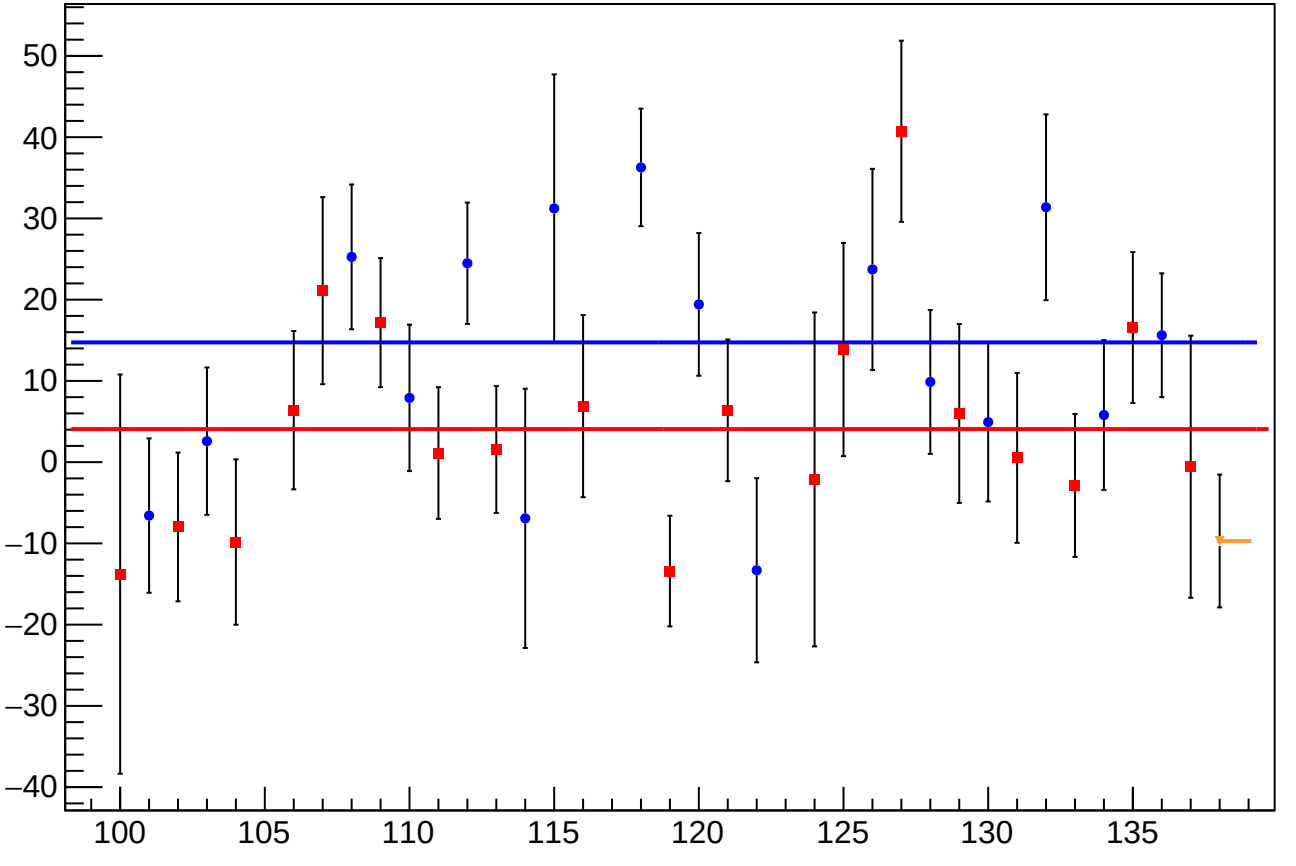
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 2008.296+/-0.534 χ^2/NDF:344387.2/15

Out: 1893.009+/-0.473 χ^2/NDF:526911.4/19

All: 1943.667+/-0.354 χ^2/NDF: 897446.3/35

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -9.709+/-8.170 χ^2/NDF:0.0/0

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -9.709+/-8.170 χ^2/NDF: 0.0/0

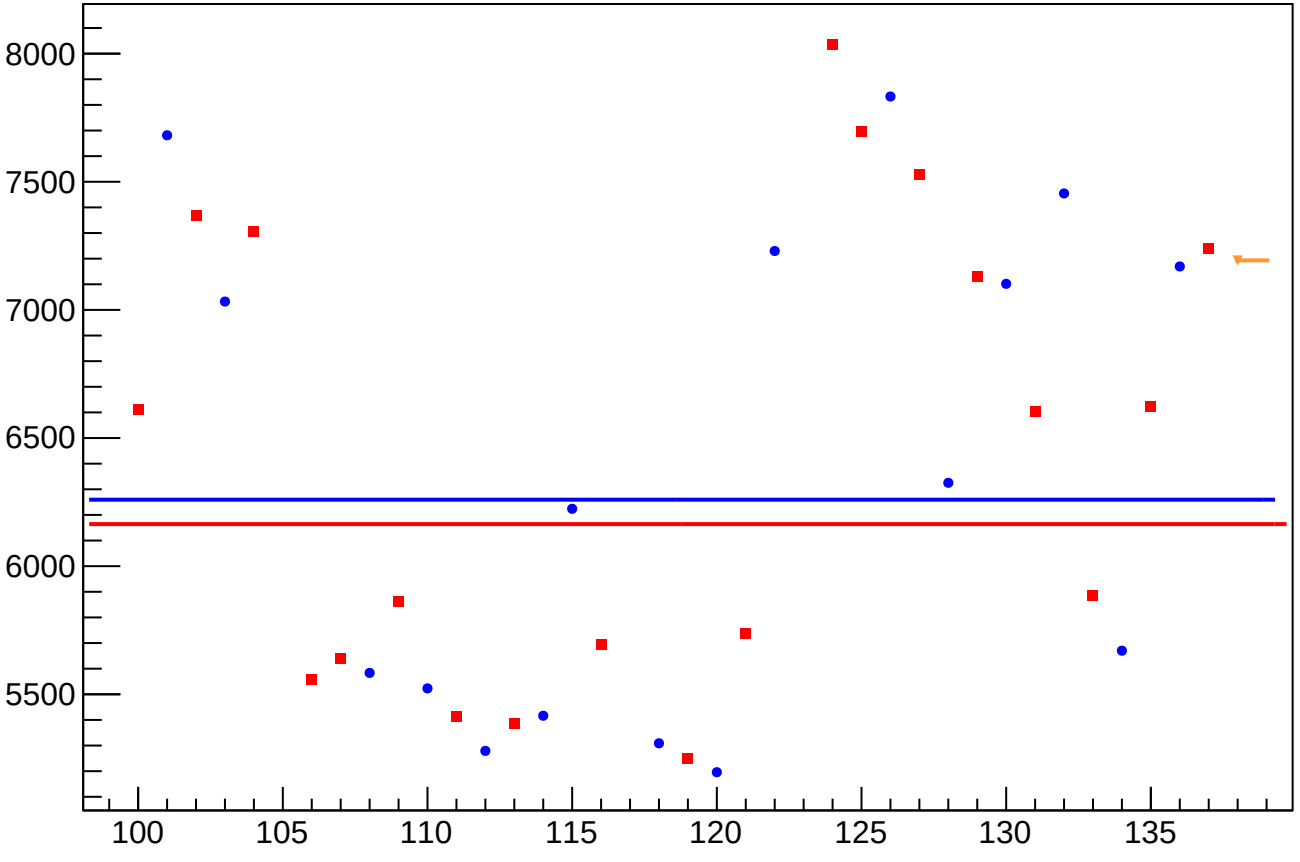
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 14.739+/-2.358 χ^2/NDF:33.5/15

Out: 3.081+/-2.190 χ^2/NDF:32.8/19

All: 8.482+/-1.605 χ^2/NDF: 79.5/35

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 7193.173+/-5.777 χ^2/NDF:0.0/0

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

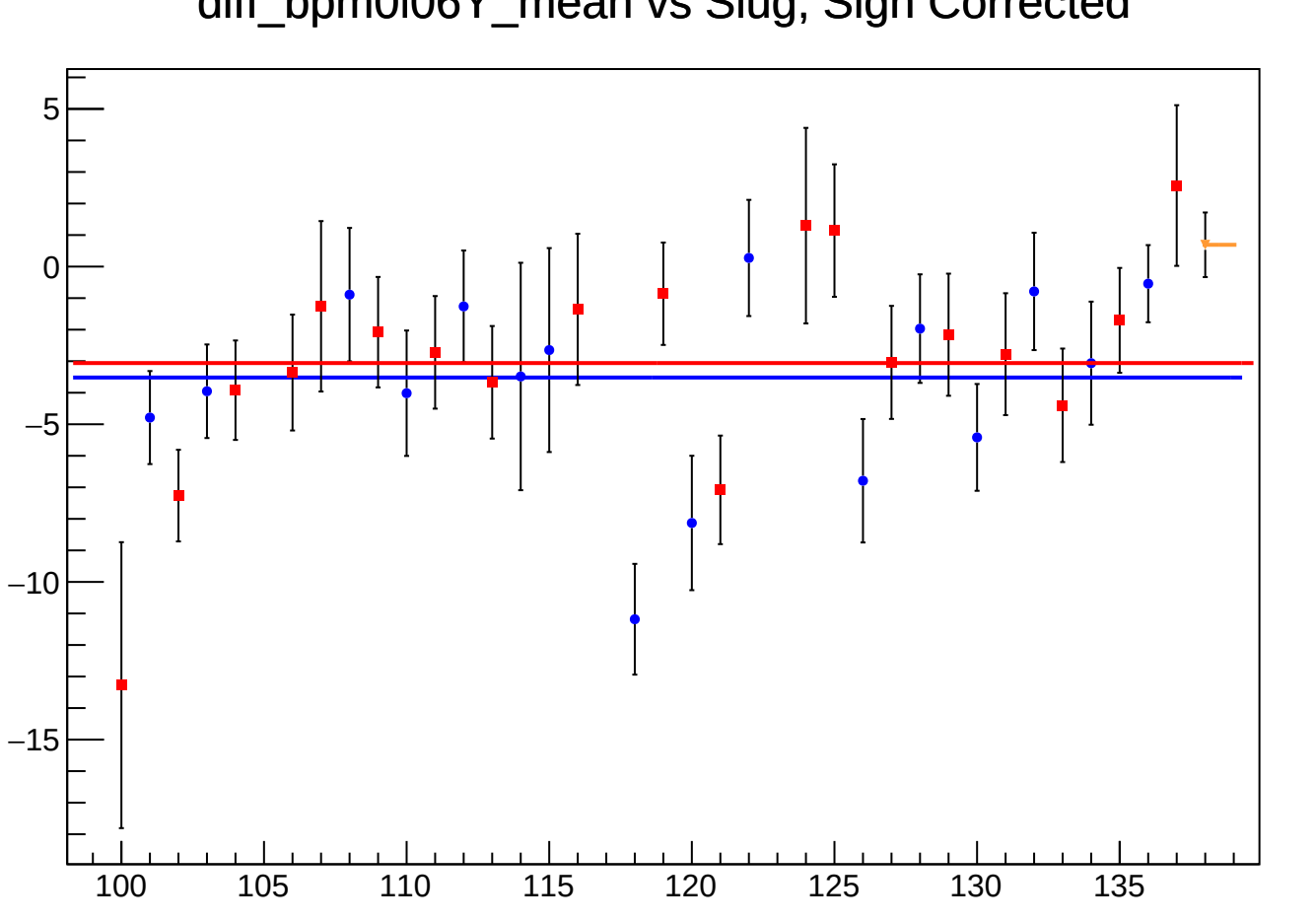
Left: 7193.173+/-5.777 χ^2/NDF: 0.0/0

Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6259.416+/-1.667 χ^2/NDF:308606.8/15

Out: 6238.117+/-1.549 χ^2/NDF:294507.2/19

All: 6247.985+/-1.135 χ^2/NDF: 603201.6/35



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 0.691+/-1.025 χ^2/NDF:0.0/0

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.691+/-1.025 χ^2/NDF: 0.0/0

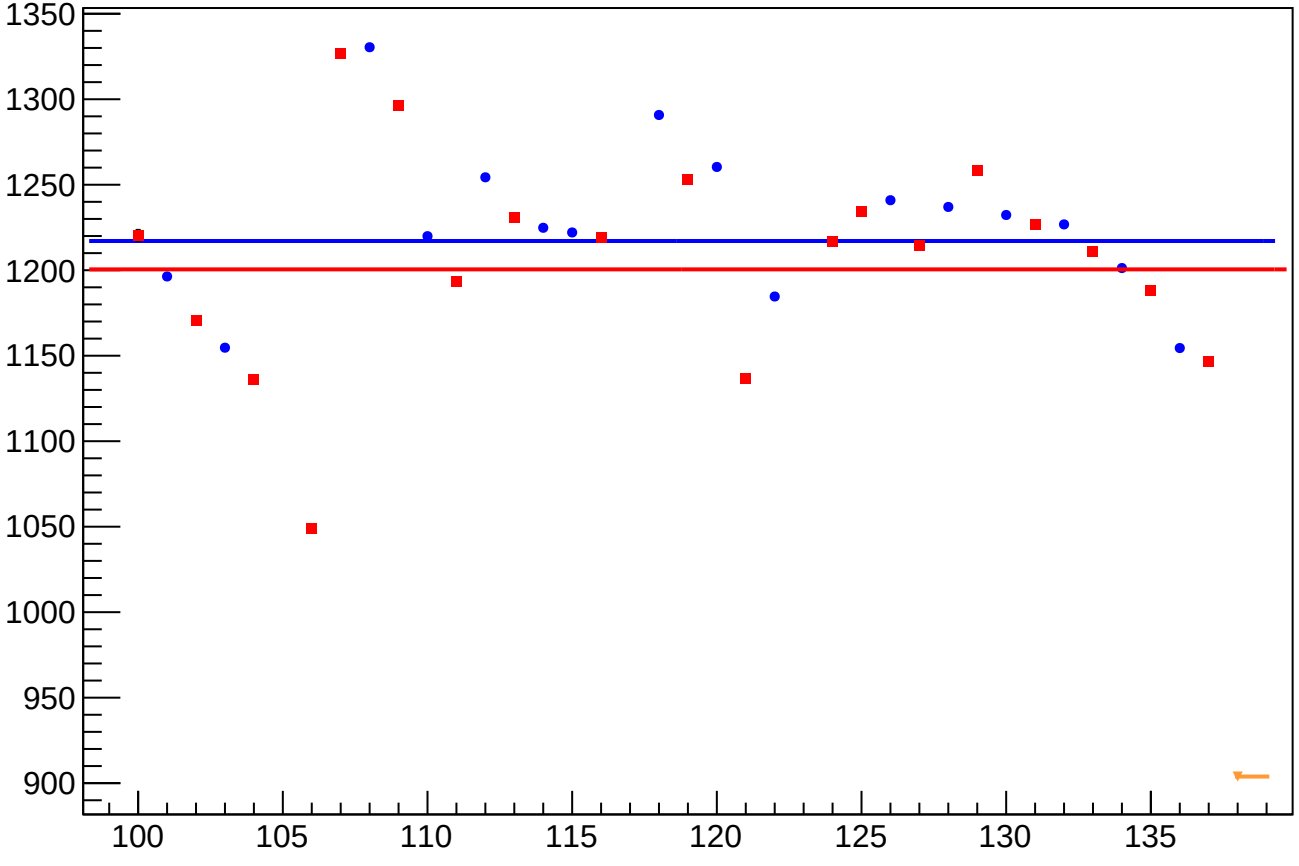
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.518+/-0.452 χ^2/NDF:45.1/15

Out: -2.479+/-0.403 χ^2/NDF:46.1/19

All: -2.939+/-0.301 χ^2/NDF: 94.1/35

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 903.858+/-0.725 χ^2/NDF:0.0/0

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 903.858+/-0.725 χ^2/NDF: 0.0/0

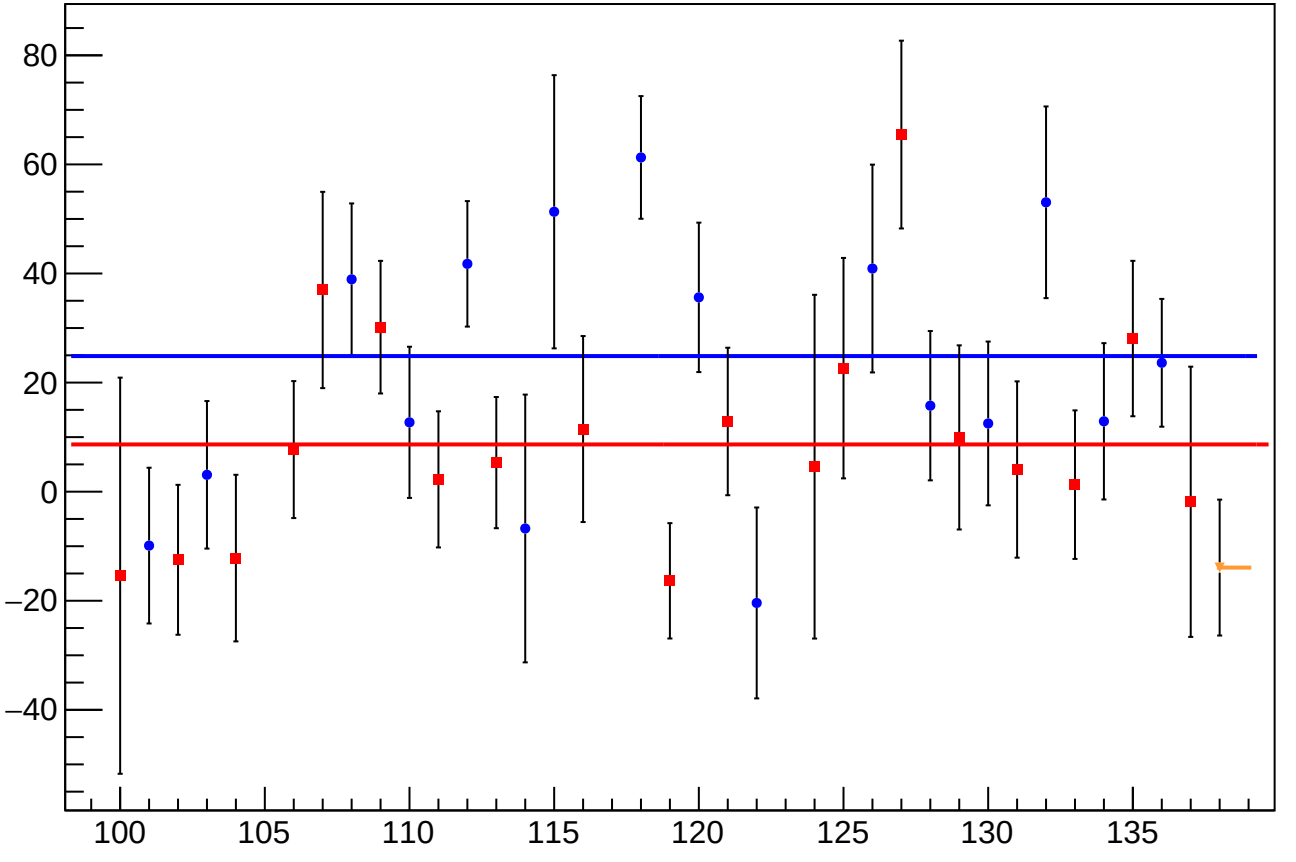
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1217.094+/-0.320 χ^2/NDF:21686.7/15

Out: 1154.617+/-0.285 χ^2/NDF:179317.0/19

All: 1182.260+/-0.213 χ^2/NDF: 222270.0/35

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -13.917+/-12.459 χ^2/NDF:0.0/0

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -13.917+/-12.459 χ^2/NDF: 0.0/0

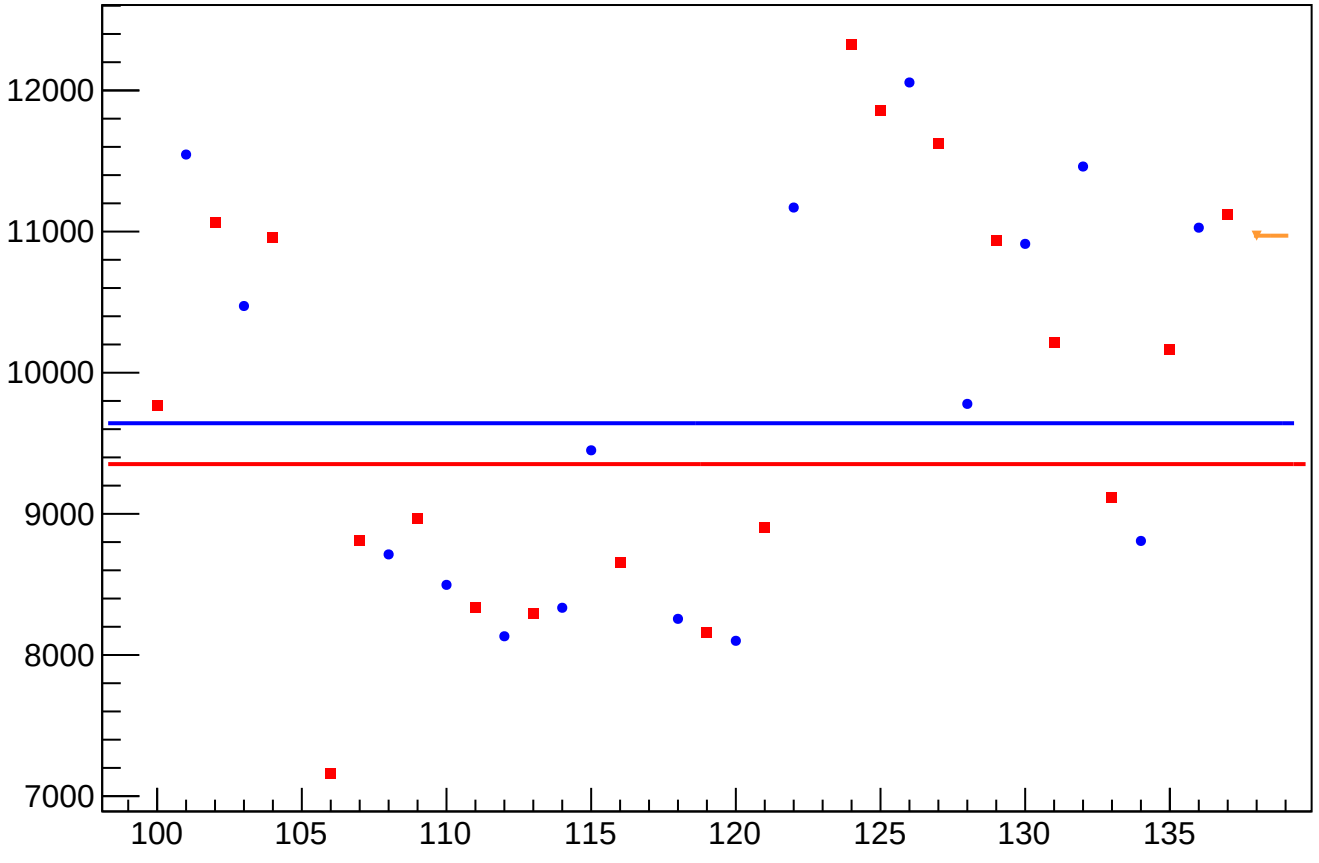
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 24.860+/-3.628 χ^2/NDF:38.1/15

Out: 7.047+/-3.328 χ^2/NDF:33.2/19

All: 15.187+/-2.453 χ^2/NDF: 84.4/35

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10970.937+/-8.810 χ^2/NDF:0.0/0

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 10970.937+/-8.810 χ^2/NDF: 0.0/0

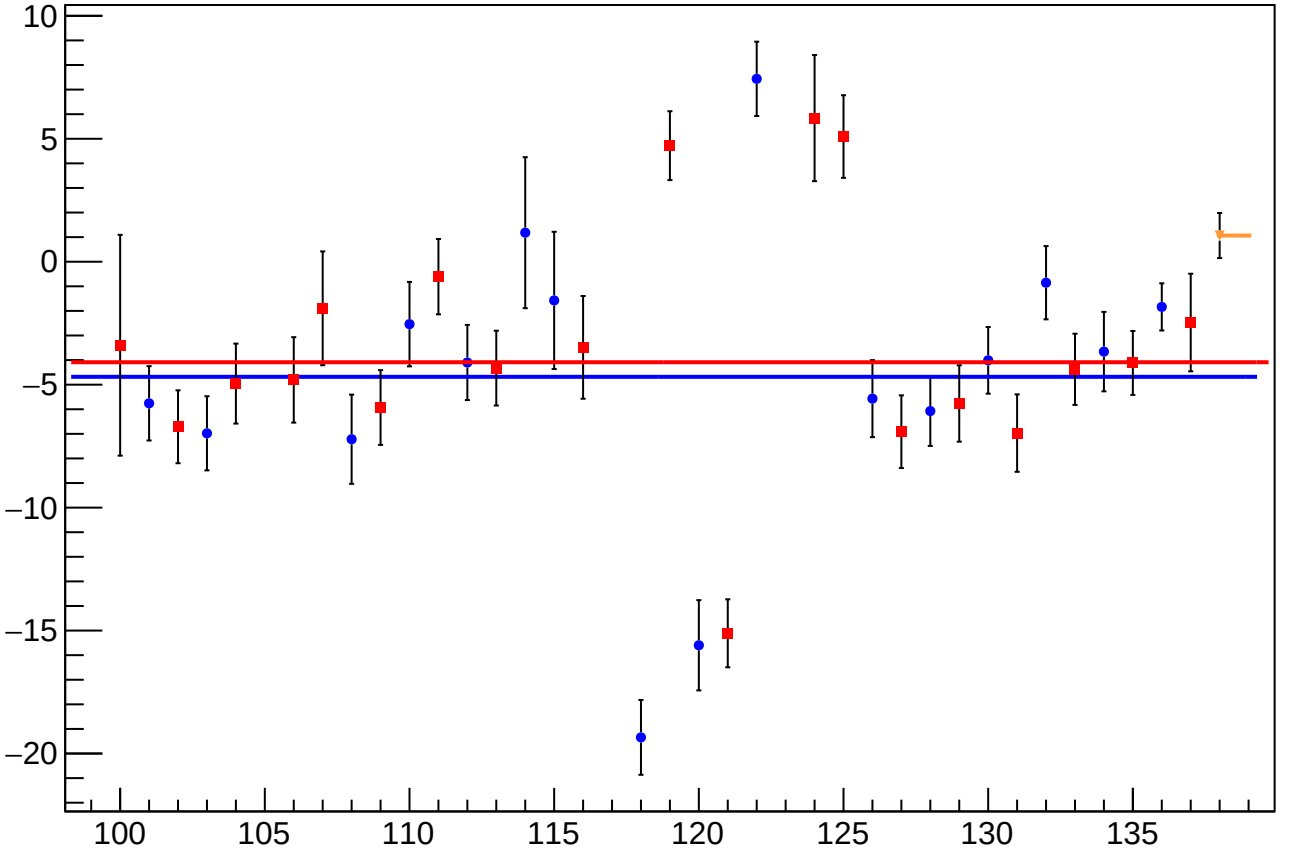
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9642.075+/-2.565 χ^2/NDF:279657.4/15

Out: 9467.996+/-2.353 χ^2/NDF:333120.4/19

All: 9547.548+/-1.734 χ^2/NDF: 615278.2/35

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.065+/-0.917 χ^2/NDF:0.0/0

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.065+/-0.917 χ^2/NDF: 0.0/0

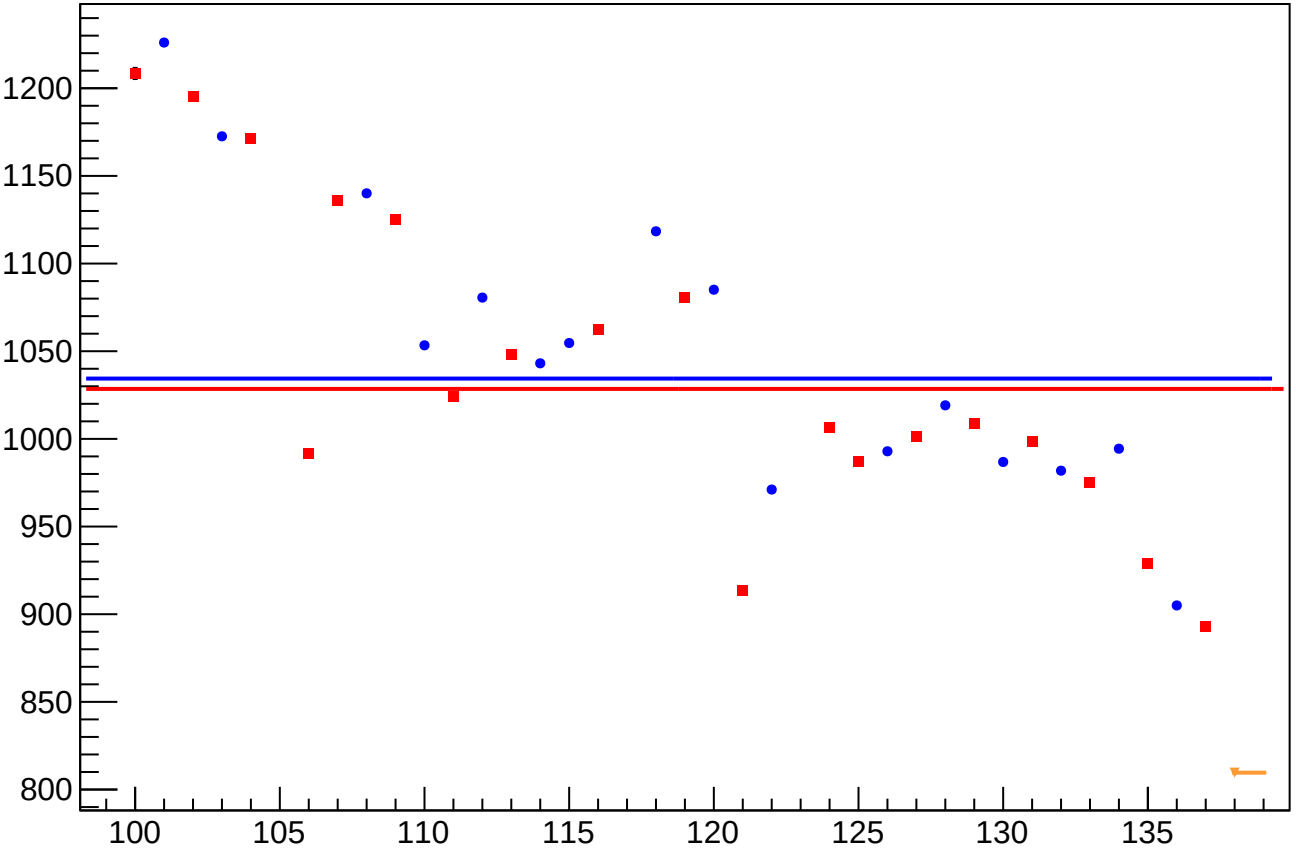
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -4.681+/-0.386 χ^2/NDF:221.2/15

Out: -3.344+/-0.348 χ^2/NDF:195.1/19

All: -3.944+/-0.258 χ^2/NDF: 422.9/35

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 809.622+/-0.648 χ^2/NDF:0.0/0

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

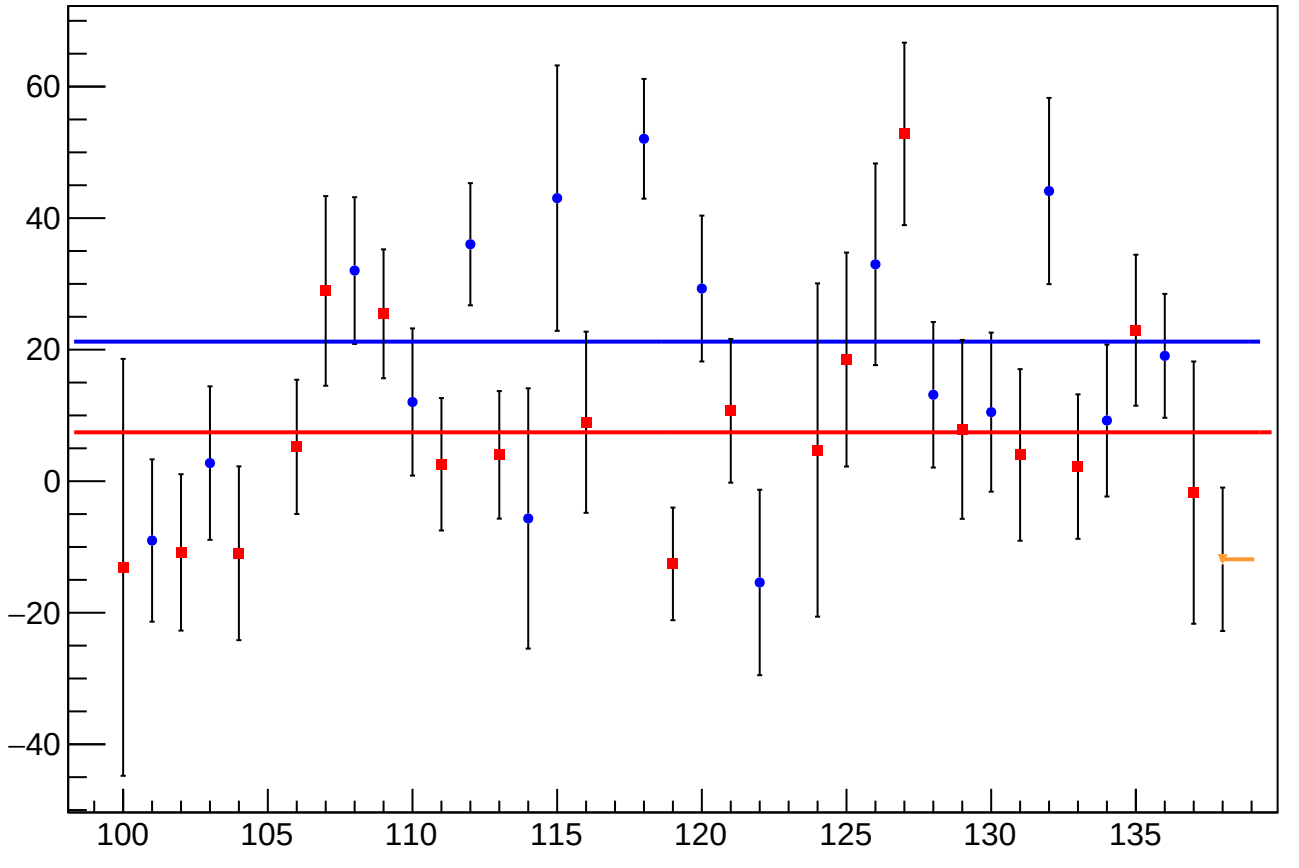
Left: 809.622+/-0.648 χ^2/NDF: 0.0/0

Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1034.402+/-0.273 χ^2/NDF:113278.6/15

Out: 996.922+/-0.246 χ^2/NDF:199203.5/19

All: 1013.747+/-0.183 χ^2/NDF: 322885.6/35



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -11.872+/-10.901 χ^2/NDF:0.0/0

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -11.872+/-10.901 χ^2/NDF: 0.0/0

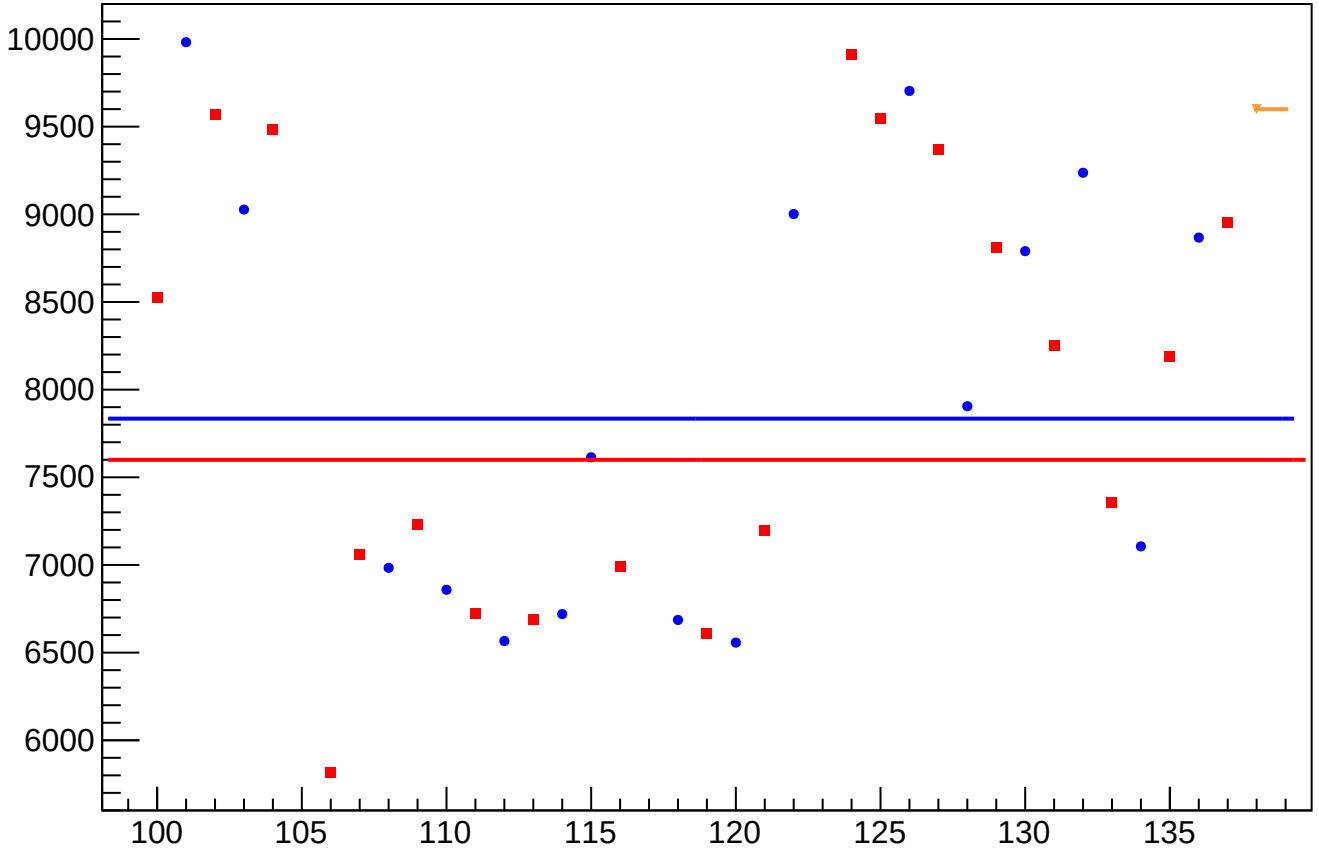
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 21.222+/-2.952 χ^2/NDF:40.1/15

Out: 6.232+/-2.721 χ^2/NDF:32.7/19

All: 13.119+/-2.001 χ^2/NDF: 86.8/35

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9599.595+/-7.708 χ^2/NDF:0.0/0

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9599.595+/-7.708 χ^2/NDF: 0.0/0

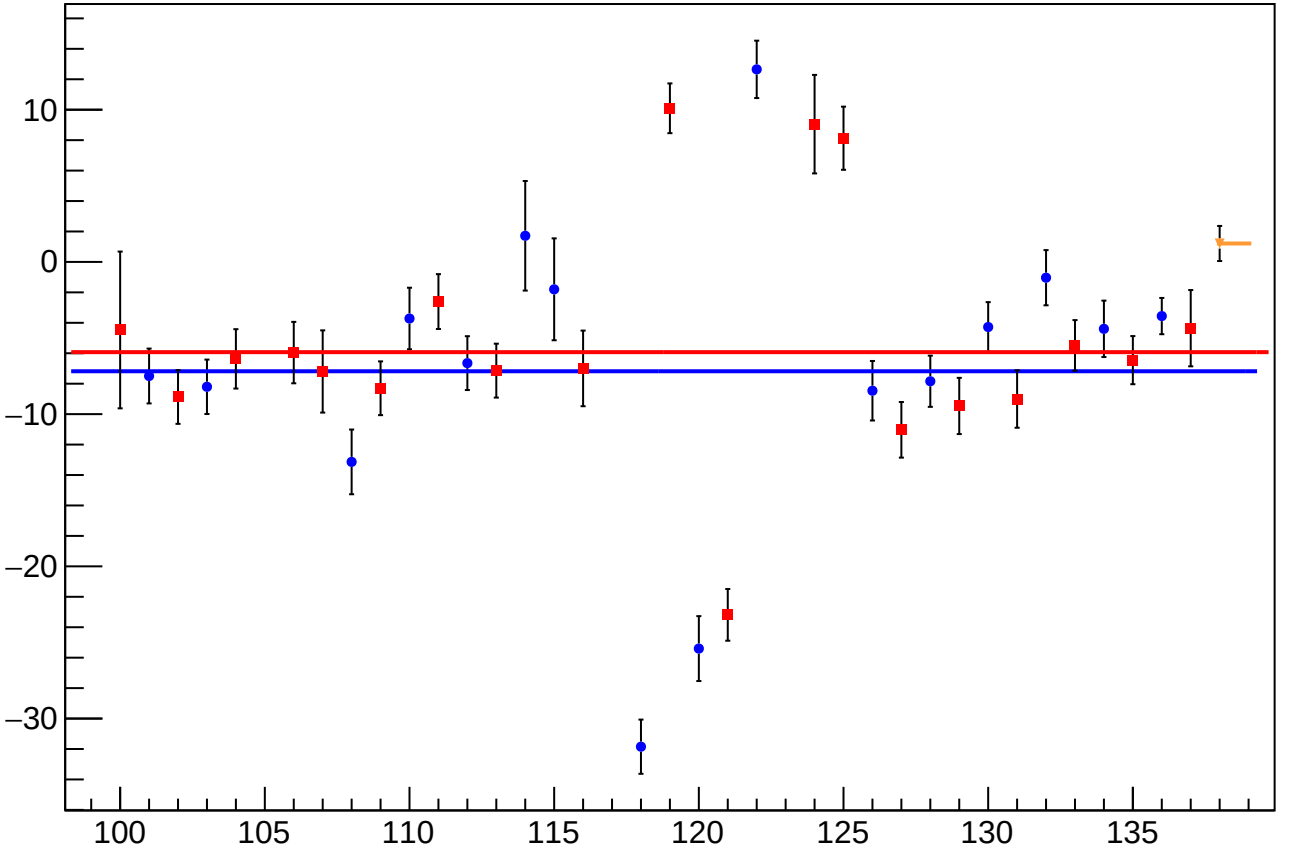
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 7834.618+/-2.087 χ^2/NDF:318089.6/15

Out: 7724.385+/-1.924 χ^2/NDF:407416.4/19

All: 7775.030+/-1.415 χ^2/NDF: 727013.8/35

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.211+/-1.153 χ^2/NDF:0.0/0

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.211+/-1.153 χ^2/NDF: 0.0/0

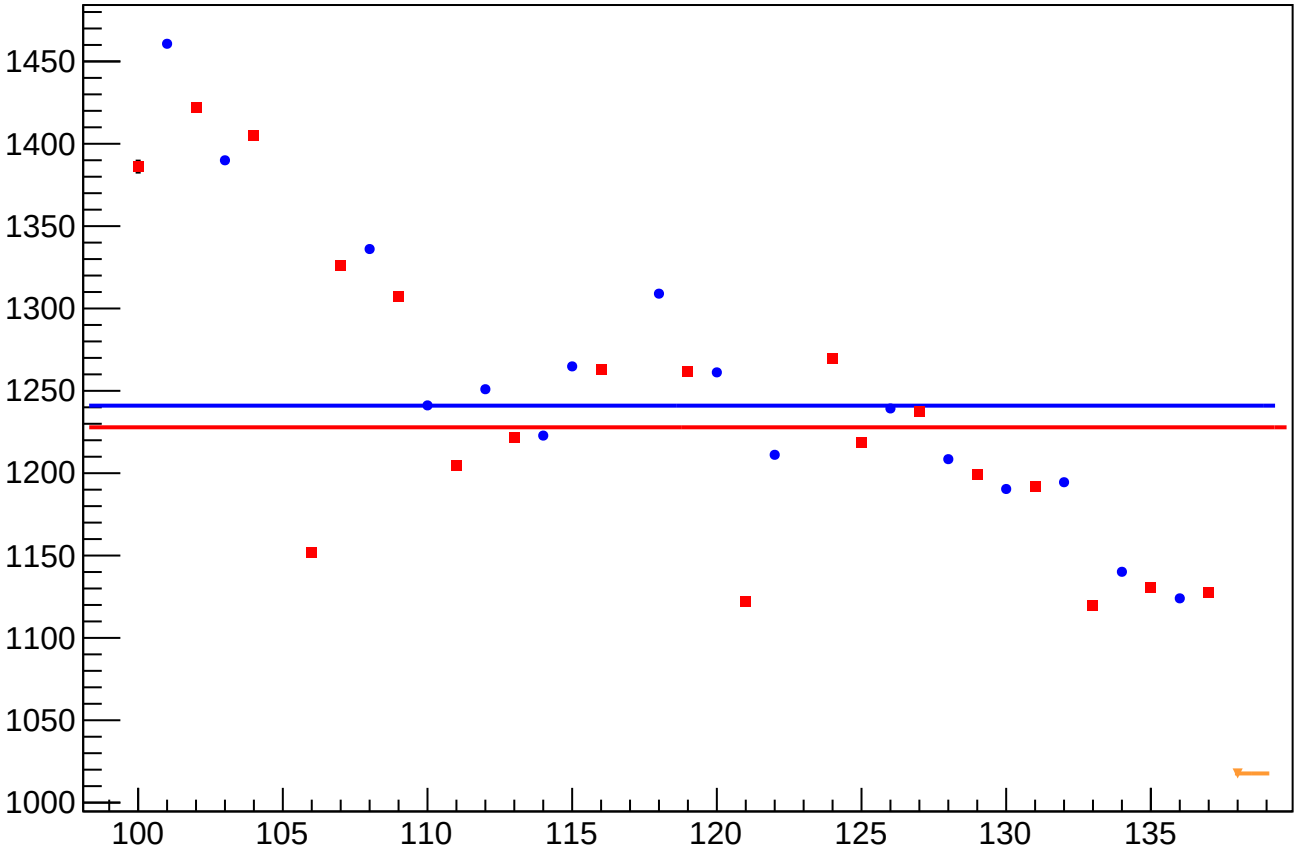
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -7.183+/-0.462 χ^2/NDF:422.2/15

Out: -4.986+/-0.419 χ^2/NDF:323.7/19

All: -5.976+/-0.310 χ^2/NDF: 758.3/35

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1017.701+/-0.815 χ^2/NDF:0.0/0

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1017.701+/-0.815 χ^2/NDF: 0.0/0

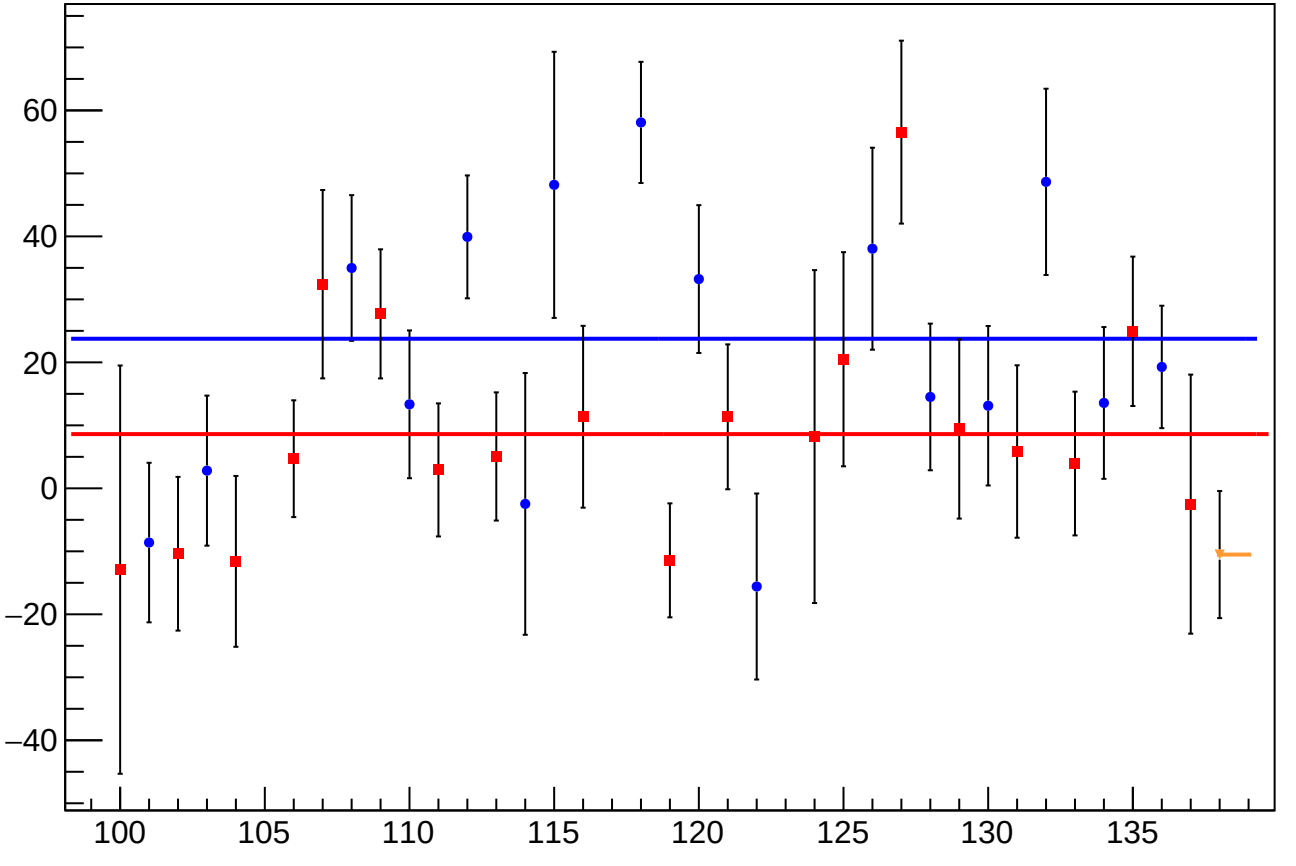
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1241.007+/-0.327 χ^2/NDF:80653.5/15

Out: 1200.158+/-0.296 χ^2/NDF:140062.3/19

All: 1218.555+/-0.219 χ^2/NDF: 229296.9/35

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -10.517+/-10.088 χ^2/NDF:0.0/0

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

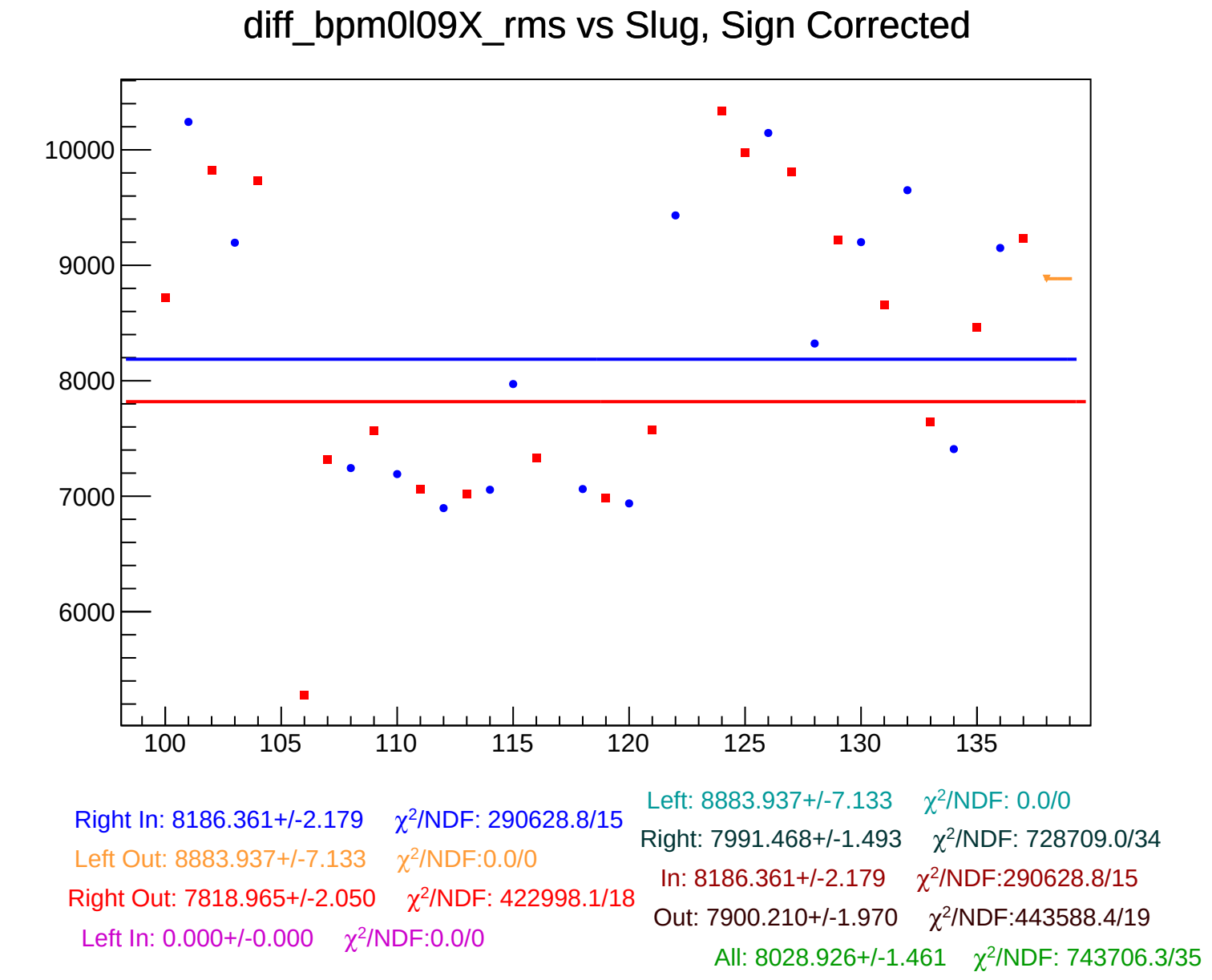
Left: -10.517+/-10.088 χ^2/NDF: 0.0/0

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

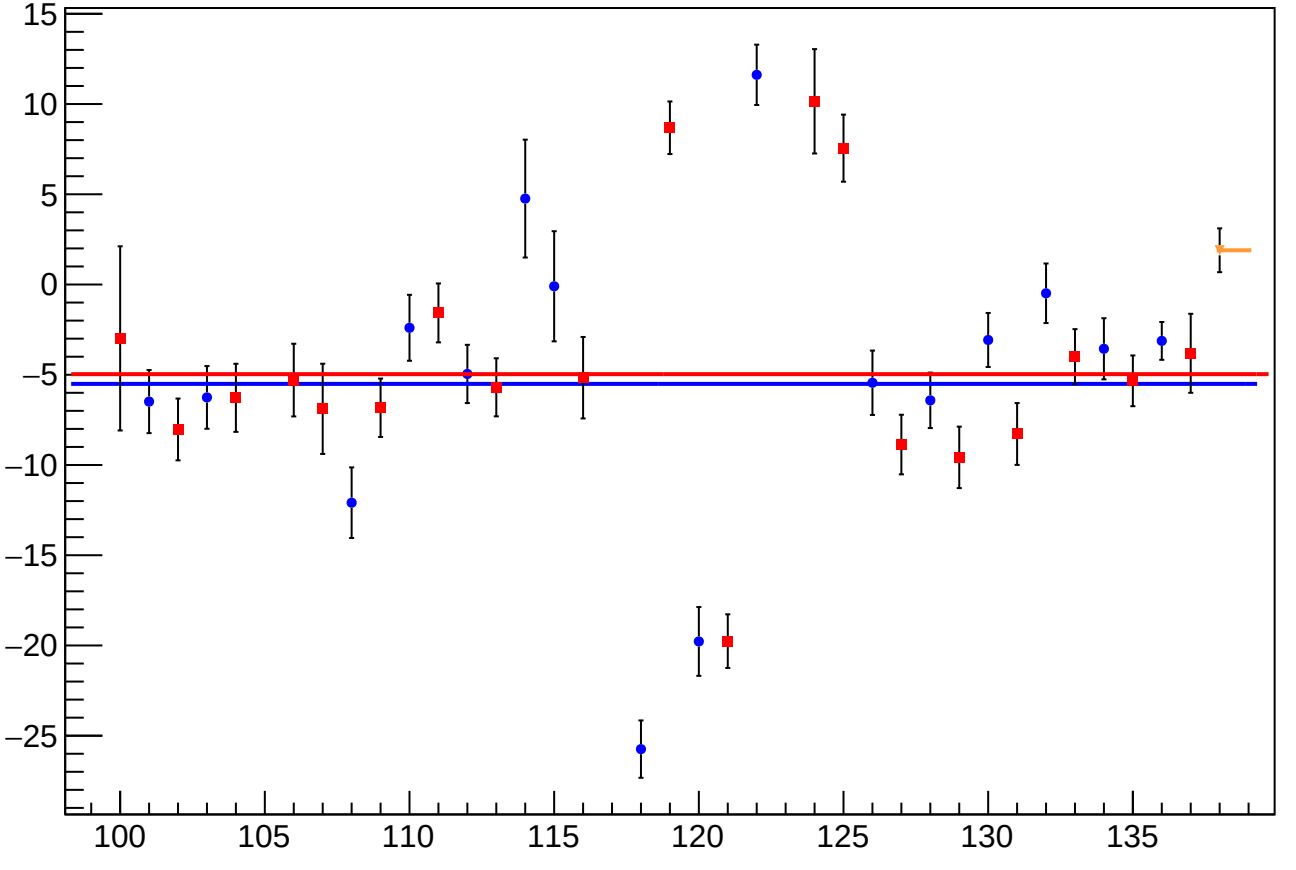
In: 23.750+/-3.081 χ^2/NDF:43.4/15

Out: 7.150+/-2.786 χ^2/NDF:33.8/19

All: 14.617+/-2.067 χ^2/NDF: 93.2/35


diff_bpm0l09X_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
100
105
110
115
120
125
130
135
Right In: 8186.361+/-2.179 χ²/NDF: 290628.8/15
Left Out: 8883.937+/-7.133 χ²/NDF:0.0/0
Right Out: 7818.965+/-2.050 χ²/NDF: 422998.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 8883.937+/-7.133 χ²/NDF: 0.0/0
Right: 7991.468+/-1.493 χ²/NDF: 728709.0/34
In: 8186.361+/-2.179 χ²/NDF:290628.8/15
Out: 7900.210+/-1.970 χ²/NDF:443588.4/19
All: 8028.926+/-1.461 χ²/NDF: 743706.3/35

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.897+/-1.215 χ^2/NDF:0.0/0

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

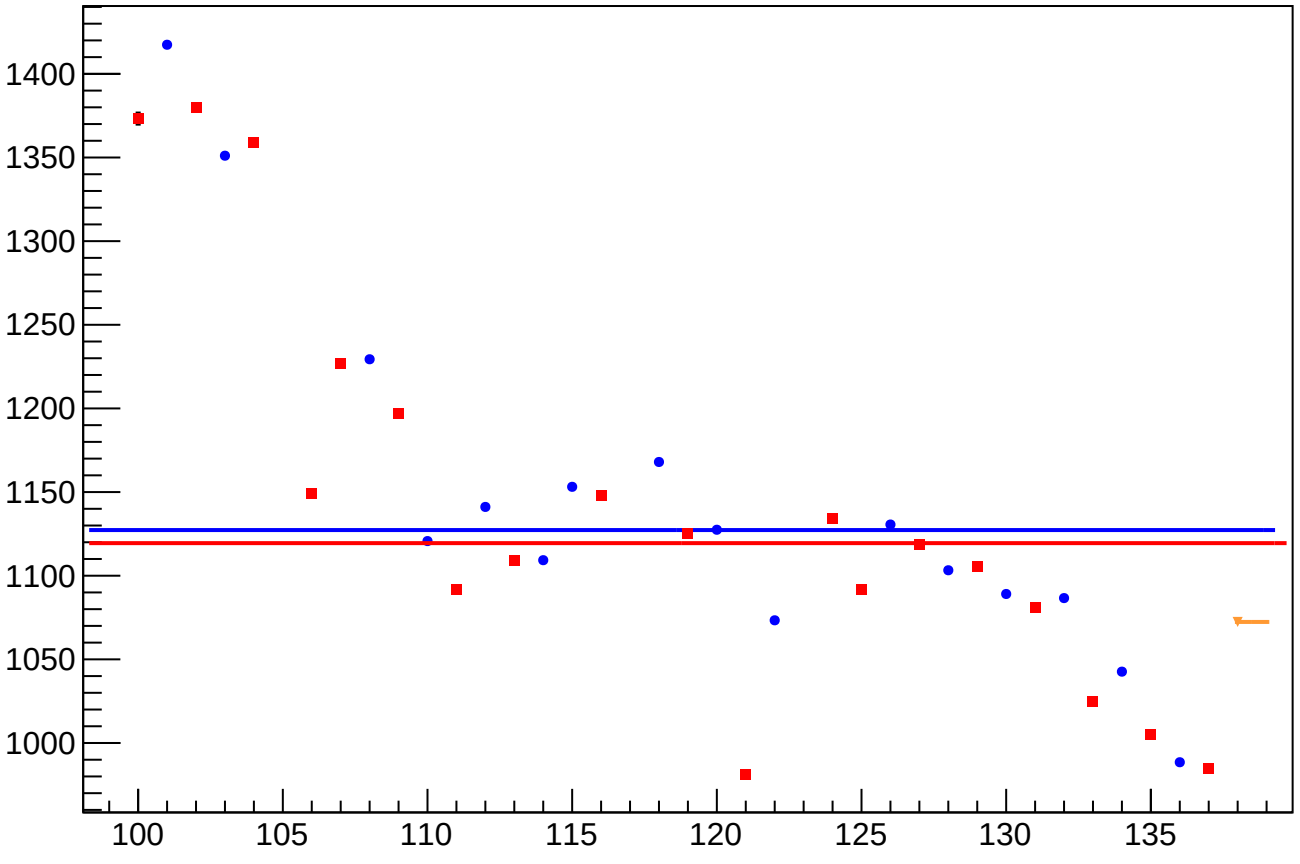
Left: 1.897+/-1.215 χ^2/NDF: 0.0/0

Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -5.506+/-0.421 χ^2/NDF:369.8/15

Out: -4.264+/-0.389 χ^2/NDF:316.0/19

All: -4.836+/-0.286 χ^2/NDF: 690.5/35



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1072.365+/-0.859 χ^2/NDF:0.0/0

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1072.365+/-0.859 χ^2/NDF: 0.0/0

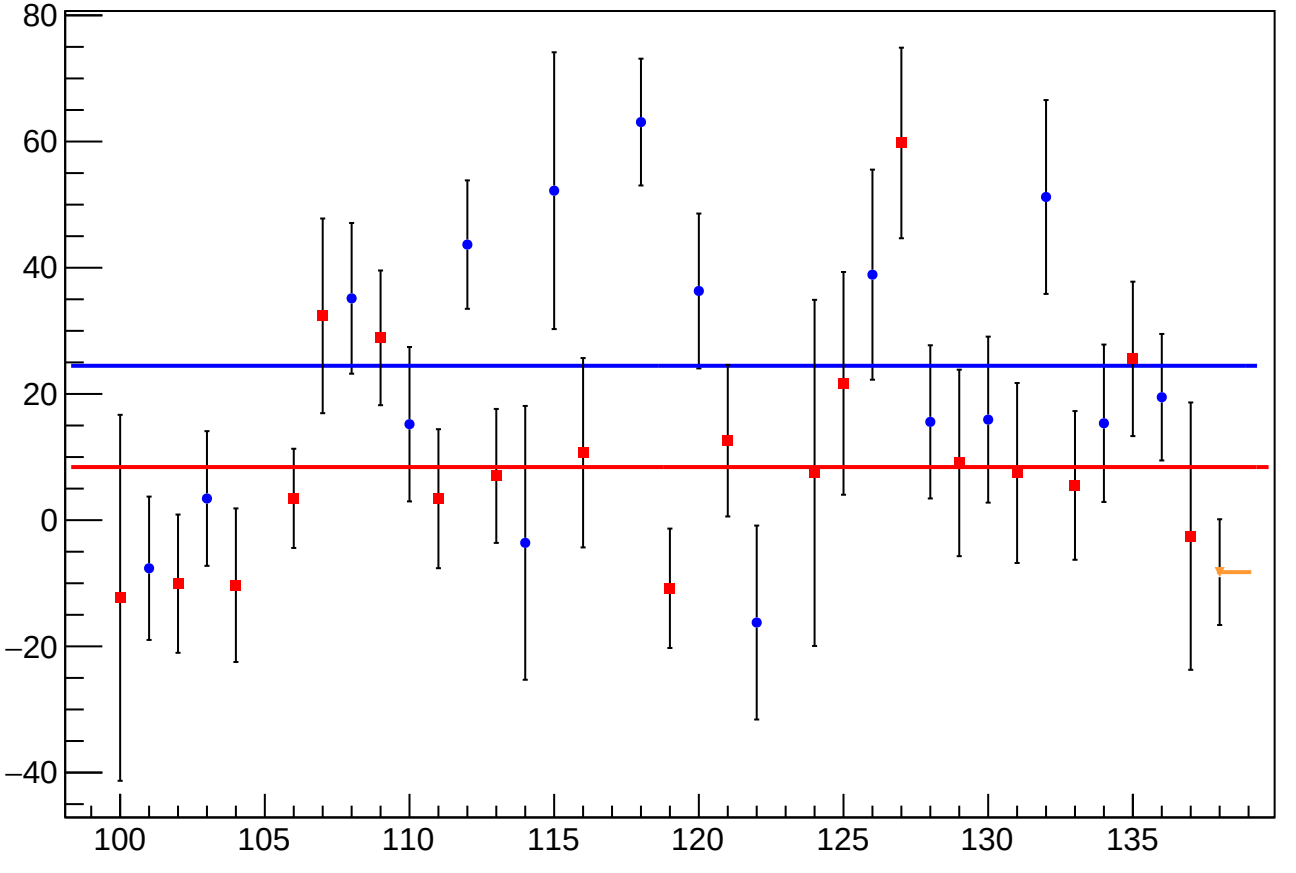
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1127.290+/-0.298 χ^2/NDF:140615.8/15

Out: 1114.647+/-0.275 χ^2/NDF:143436.3/19

All: 1120.468+/-0.202 χ^2/NDF: 285025.9/35

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -8.235+/-8.380 χ^2/NDF:0.0/0

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -8.235+/-8.380 χ^2/NDF: 0.0/0

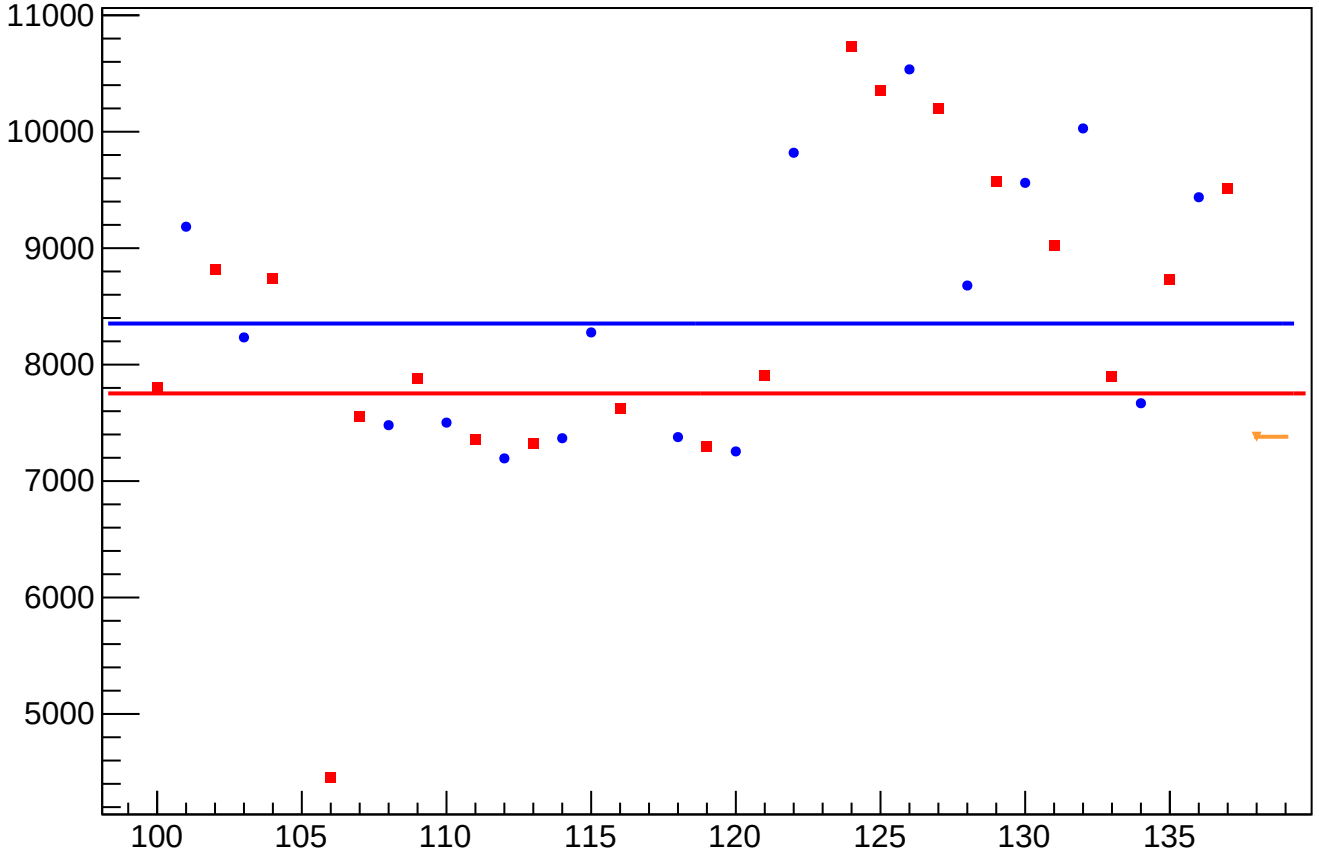
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 24.463+/-3.136 χ^2/NDF:48.3/15

Out: 6.642+/-2.733 χ^2/NDF:34.7/19

All: 14.334+/-2.060 χ^2/NDF: 101.3/35

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7380.611+/-5.925 χ^2/NDF:0.0/0

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 7380.611+/-5.925 χ^2/NDF: 0.0/0

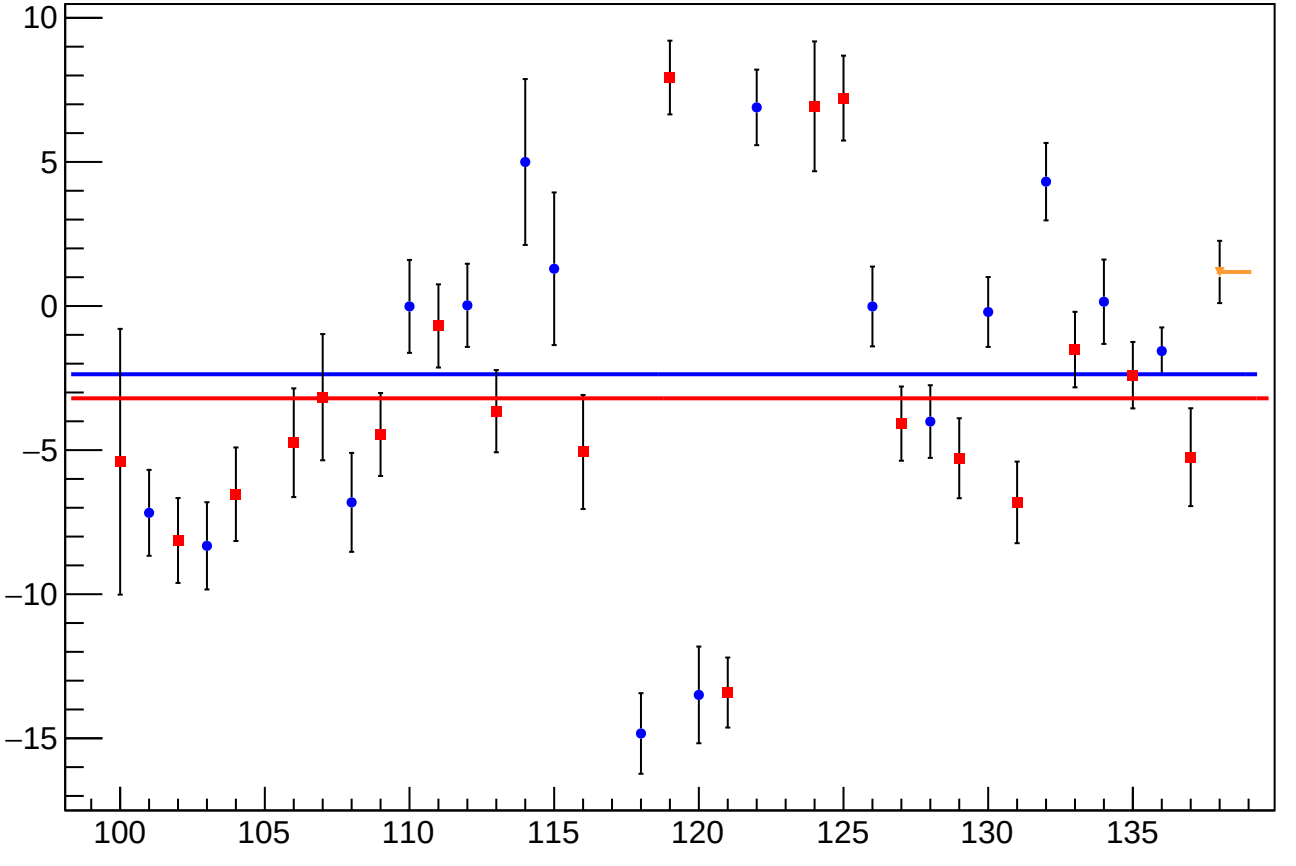
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 8352.758+/-2.218 χ^2/NDF:220412.5/15

Out: 7713.102+/-1.932 χ^2/NDF:591595.4/19

All: 7989.187+/-1.457 χ^2/NDF: 859298.4/35

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 1.182+/-1.081 χ^2/NDF:0.0/0

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.182+/-1.081 χ^2/NDF: 0.0/0

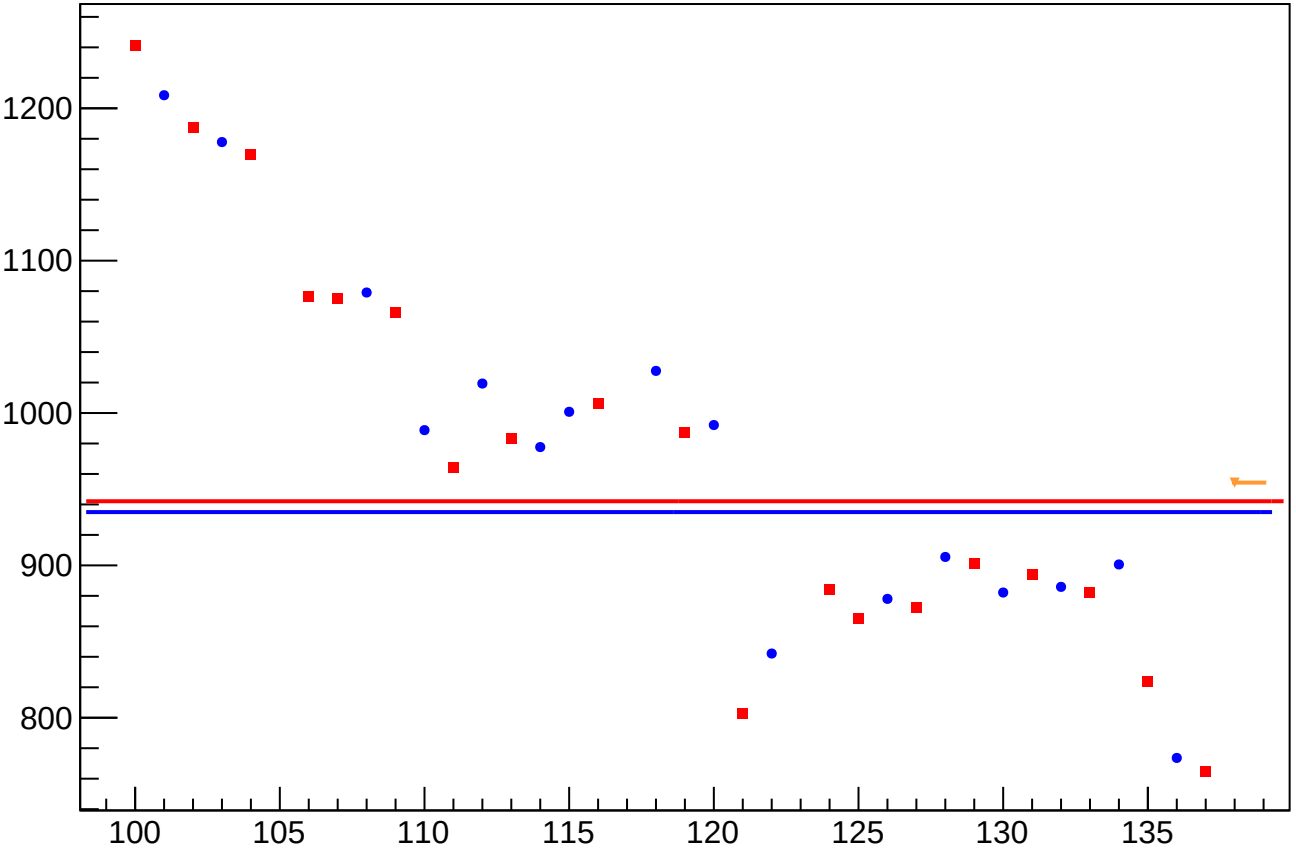
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -2.368+/-0.350 χ^2/NDF:255.6/15

Out: -2.794+/-0.330 χ^2/NDF:265.5/19

All: -2.594+/-0.240 χ^2/NDF: 521.8/35

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 954.338+/-0.764 χ^2/NDF:0.0/0

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 954.338+/-0.764 χ^2/NDF: 0.0/0

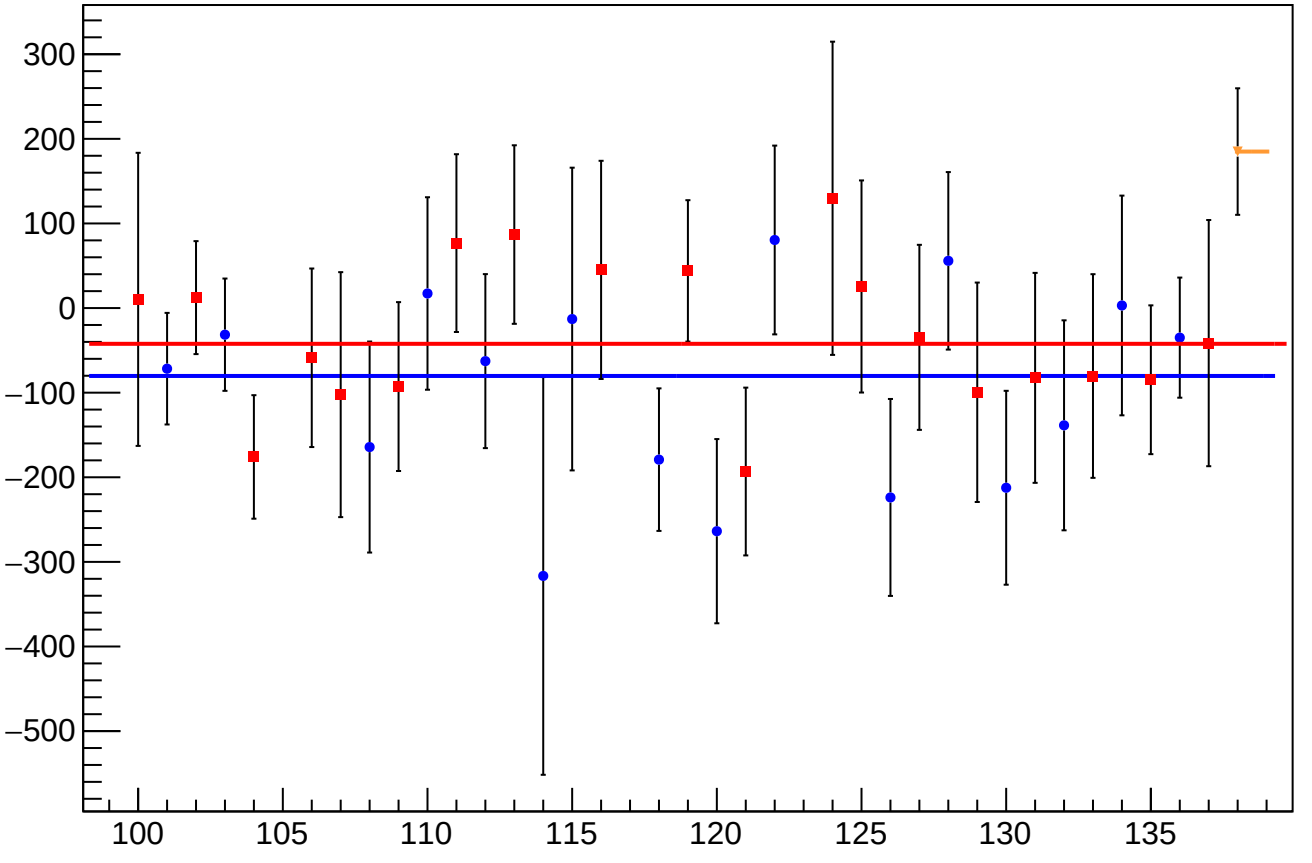
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 934.975+/-0.248 χ^2/NDF:254363.7/15

Out: 943.236+/-0.233 χ^2/NDF:232686.3/19

All: 939.356+/-0.170 χ^2/NDF: 487639.3/35

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 184.962+/-74.779 χ^2/NDF:0.0/0

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 184.962+/-74.779 χ^2/NDF: 0.0/0

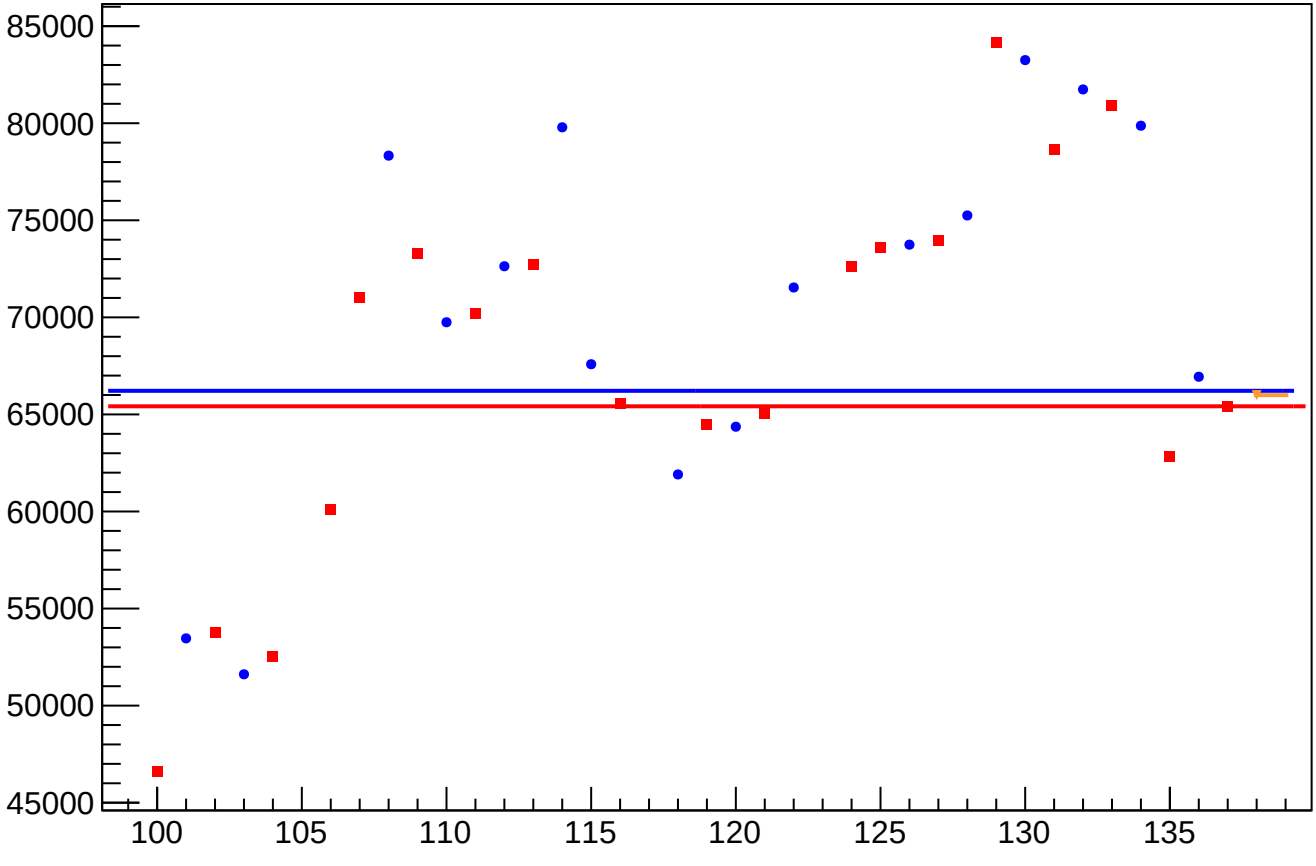
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -80.250+/-24.909 χ^2/NDF:14.8/15

Out: -20.812+/-22.977 χ^2/NDF:21.3/19

All: -48.136+/-16.889 χ^2/NDF: 39.2/35

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 65994.151+/-52.877 χ^2/NDF:0.0/0

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 65994.151+/-52.877 χ^2/NDF: 0.0/0

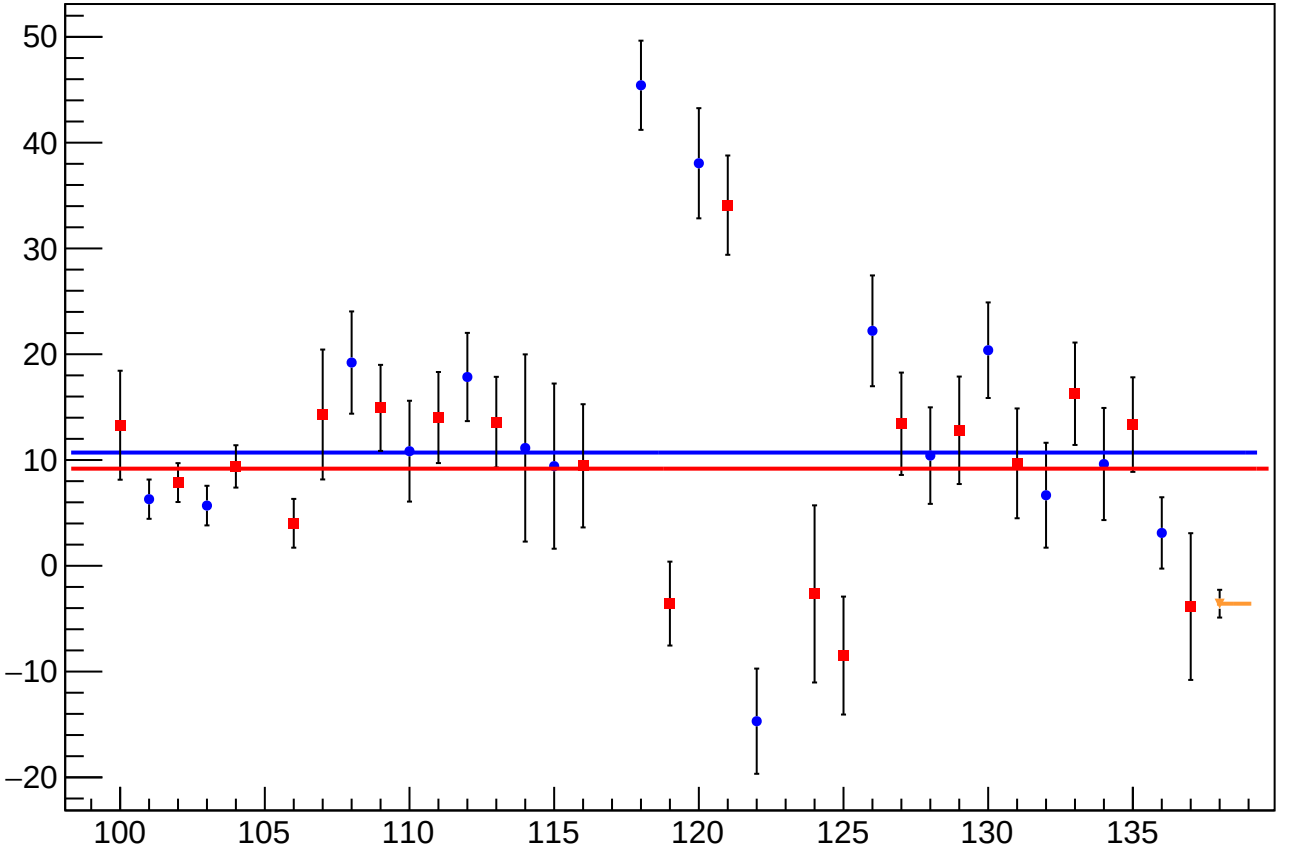
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 66216.115+/-17.613 χ^2/NDF:338377.6/15

Out: 65472.872+/-16.247 χ^2/NDF:304663.3/19

All: 65814.549+/-11.942 χ^2/NDF: 644002.9/3

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.583+/-1.312 χ^2/NDF:0.0/0

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -3.583+/-1.312 χ^2/NDF: 0.0/0

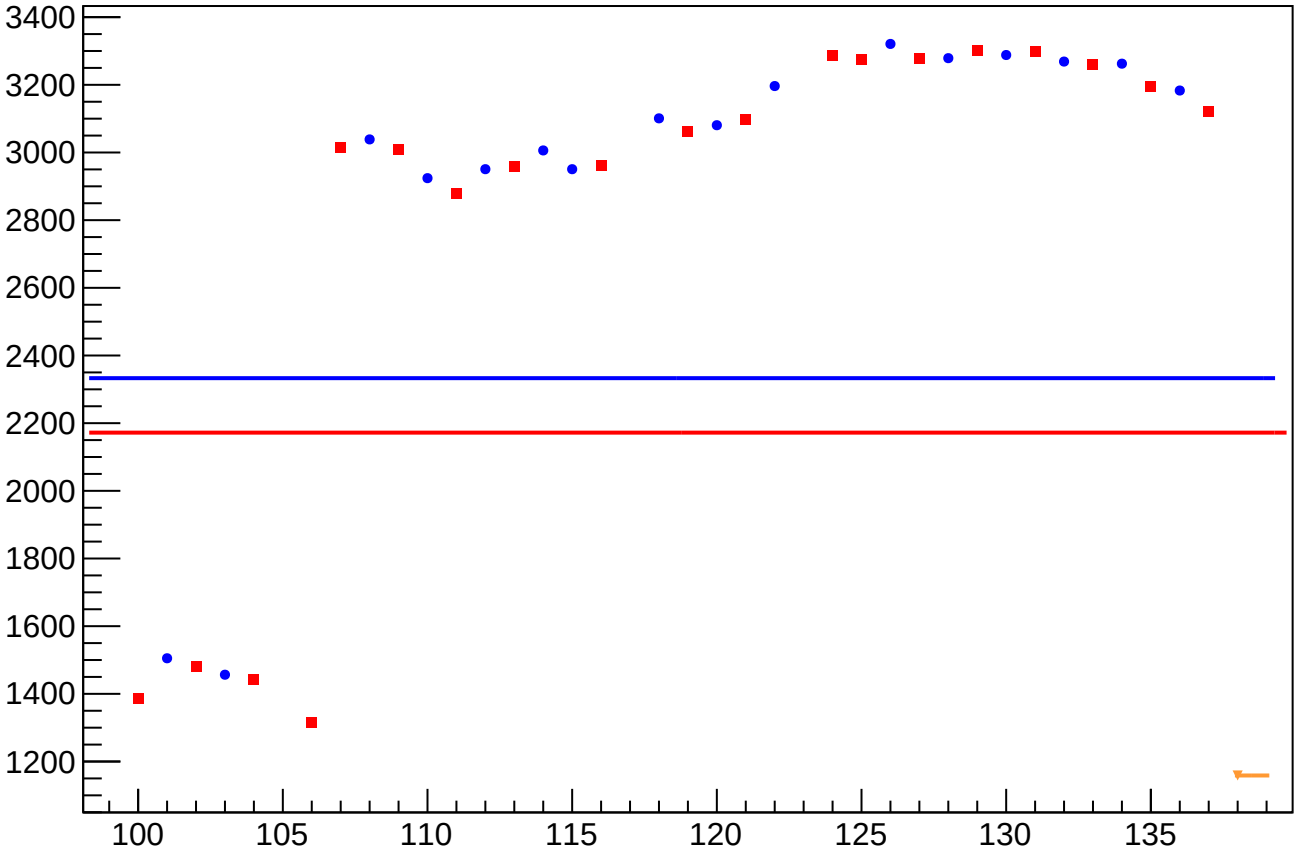
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 10.705+/-0.921 χ^2/NDF:155.6/15

Out: 5.409+/-0.713 χ^2/NDF:136.2/19

All: 7.396+/-0.564 χ^2/NDF: 312.4/35

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1158.709+/-0.928 χ^2/NDF:0.0/0

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1158.709+/-0.928 χ^2/NDF: 0.0/0

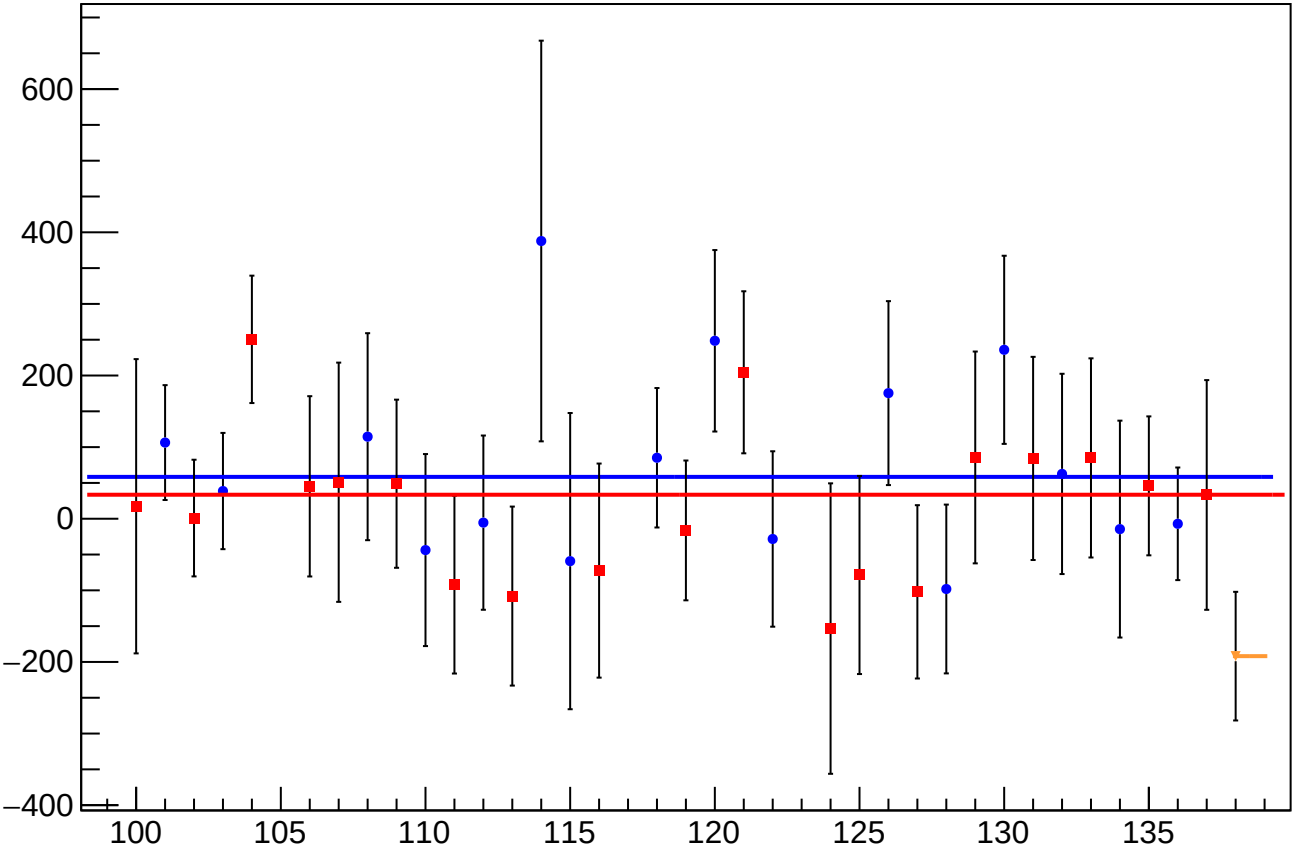
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 2333.021+/-0.651 χ^2/NDF:1651407.8/15

Out: 1872.474+/-0.505 χ^2/NDF:2824239.6/19

All: 2045.311+/-0.399 χ^2/NDF: 4788373.2/35

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -191.905+/-89.826 χ^2/NDF:0.0/0

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -191.905+/-89.826 χ^2/NDF: 0.0/0

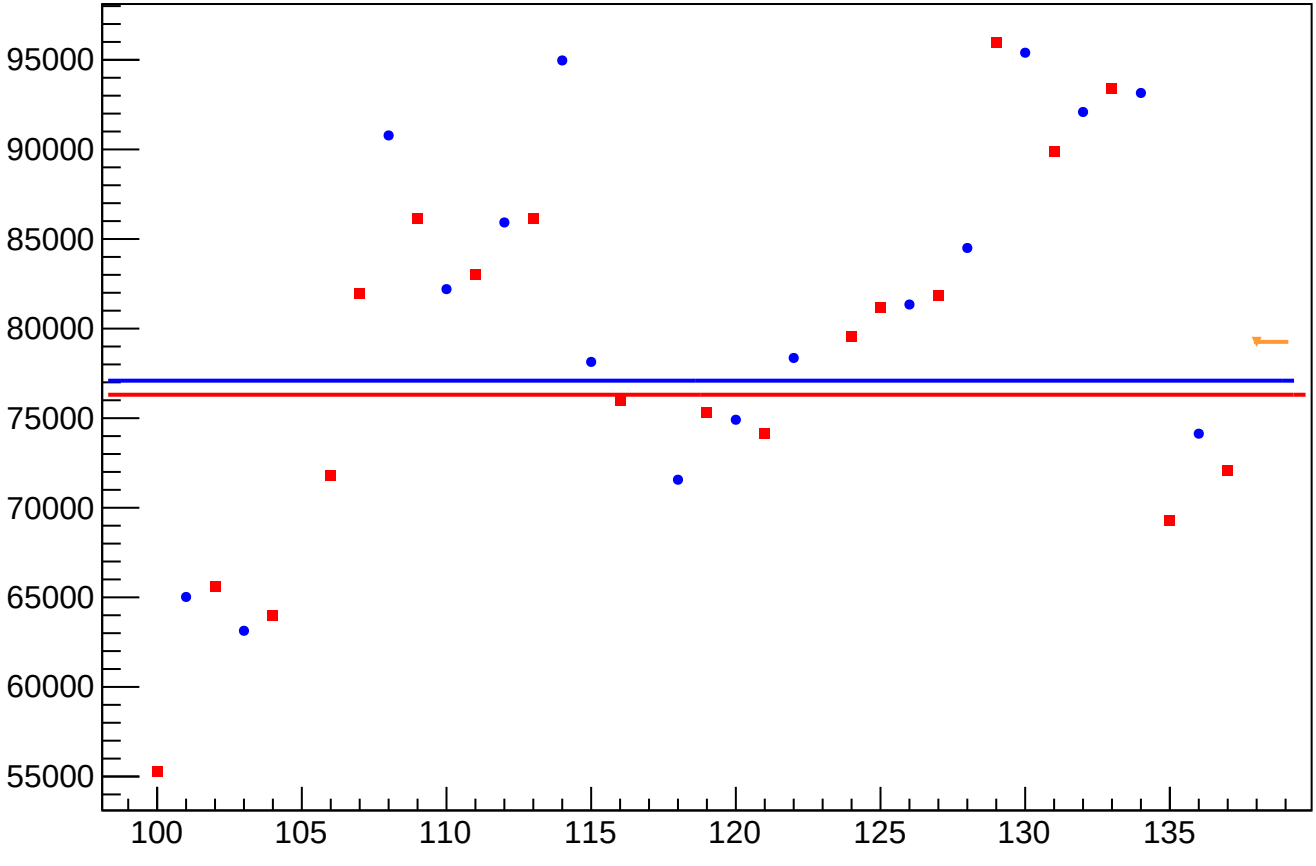
Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 58.446+/-28.918 χ^2/NDF:11.3/15

Out: 13.419+/-26.823 χ^2/NDF:20.4/19

All: 34.243+/-19.666 χ^2/NDF: 33.0/35

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 79259.720+/-63.517 χ^2/NDF:0.0/0

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 79259.720+/-63.517 χ^2/NDF: 0.0/0

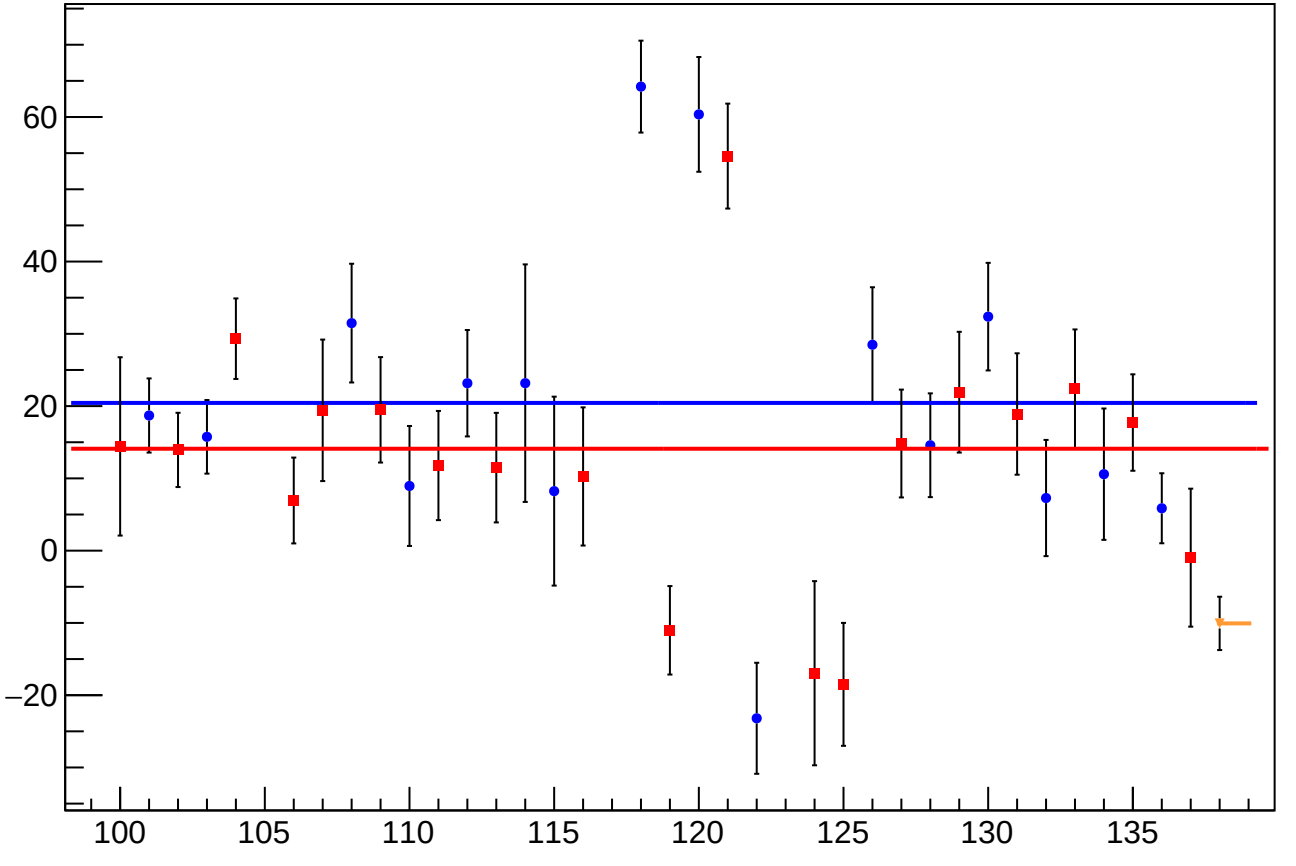
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 77093.125+/-20.448 χ^2/NDF:248542.7/15

Out: 76571.848+/-18.967 χ^2/NDF:236399.3/19

All: 76812.928+/-13.906 χ^2/NDF: 485291.4/3

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -10.065+/-3.690 χ^2/NDF:0.0/0

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -10.065+/-3.690 χ^2/NDF: 0.0/0

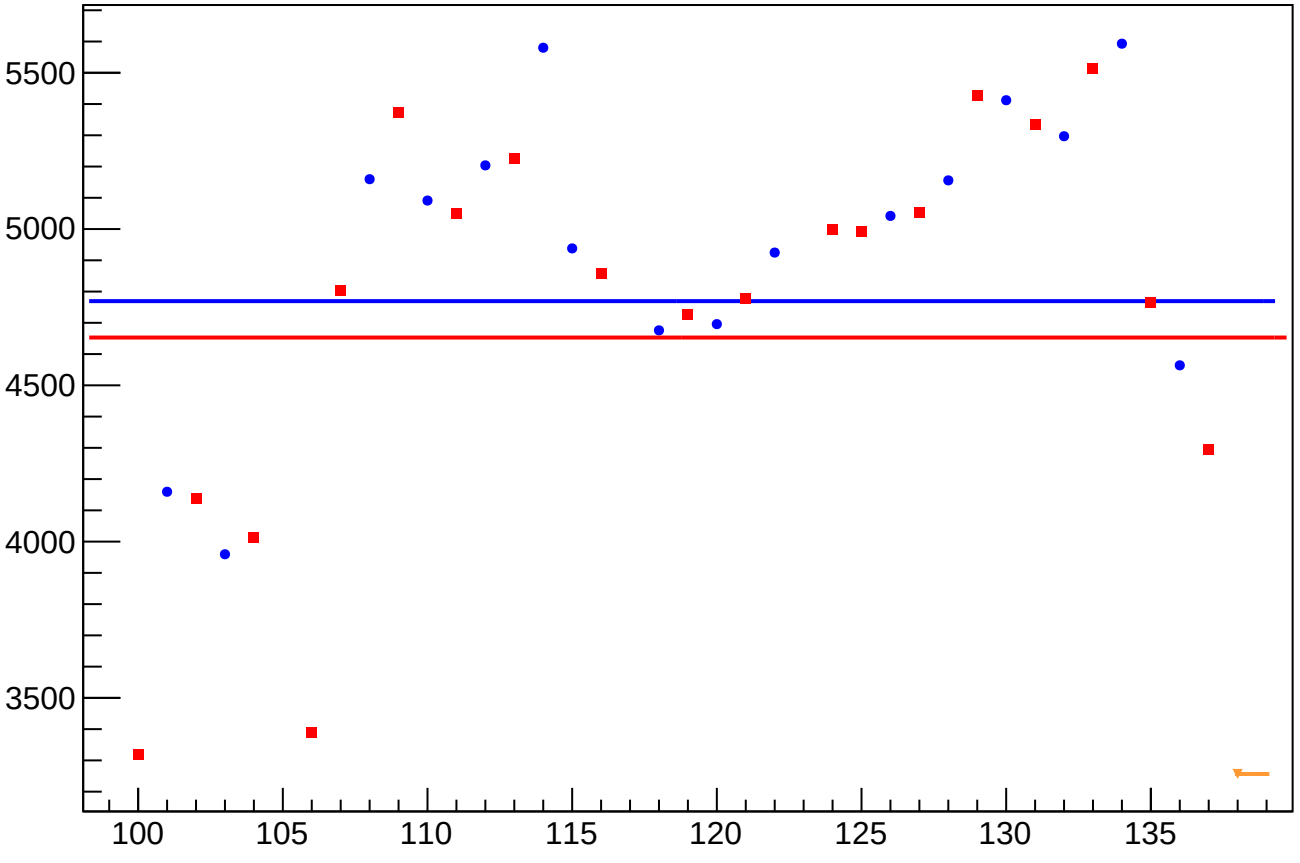
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 20.441+/-1.782 χ^2/NDF:127.8/15

Out: 9.815+/-1.554 χ^2/NDF:119.1/19

All: 14.406+/-1.171 χ^2/NDF: 267.1/35

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3256.536+/-2.609 χ^2/NDF:0.0/0

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

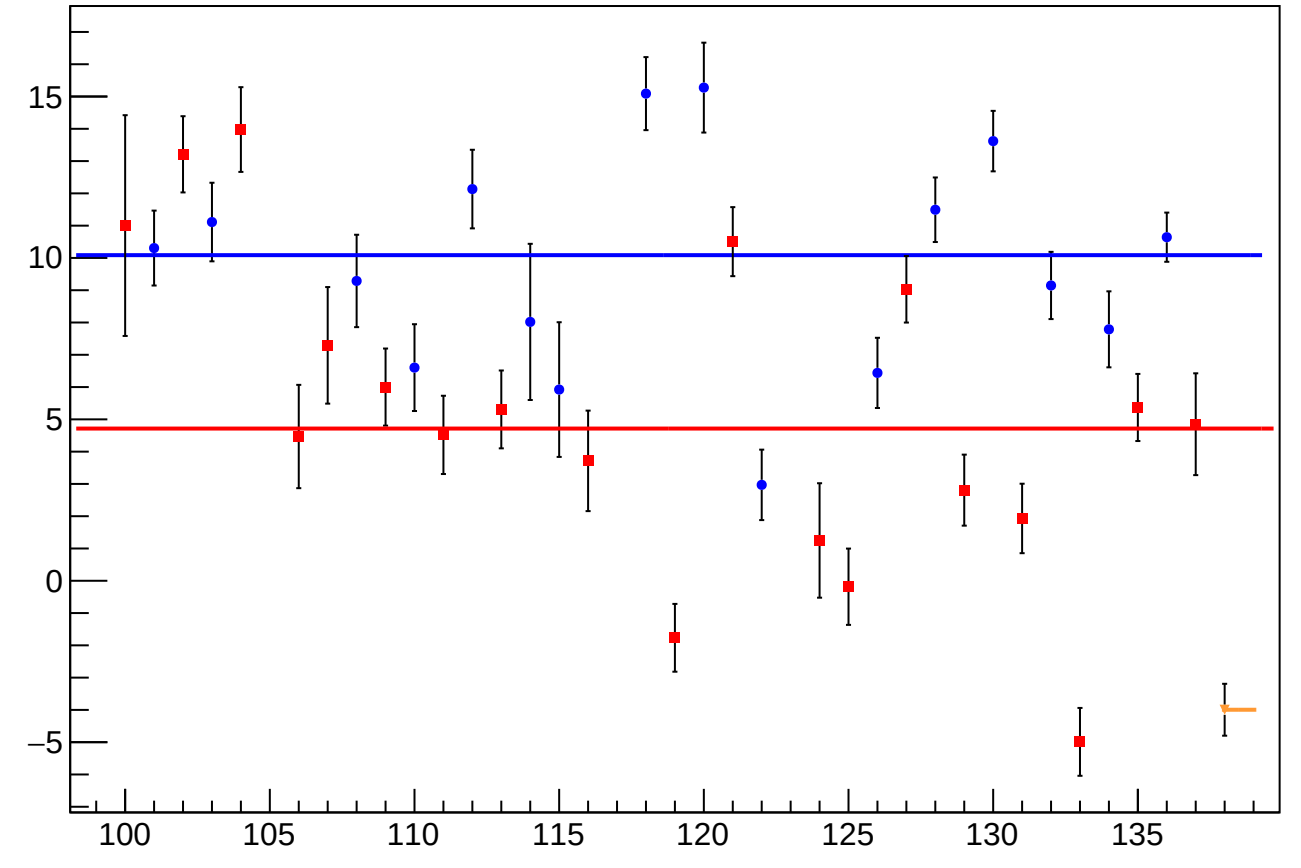
Left: 3256.536+/-2.609 χ^2/NDF: 0.0/0

Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4769.375+/-1.260 χ^2/NDF:151678.3/15

Out: 4405.186+/-1.099 χ^2/NDF:500740.7/19

All: 4562.528+/-0.828 χ^2/NDF: 699866.1/35



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.995+/-0.804 χ^2/NDF:0.0/0

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -3.995+/-0.804 χ^2/NDF: 0.0/0

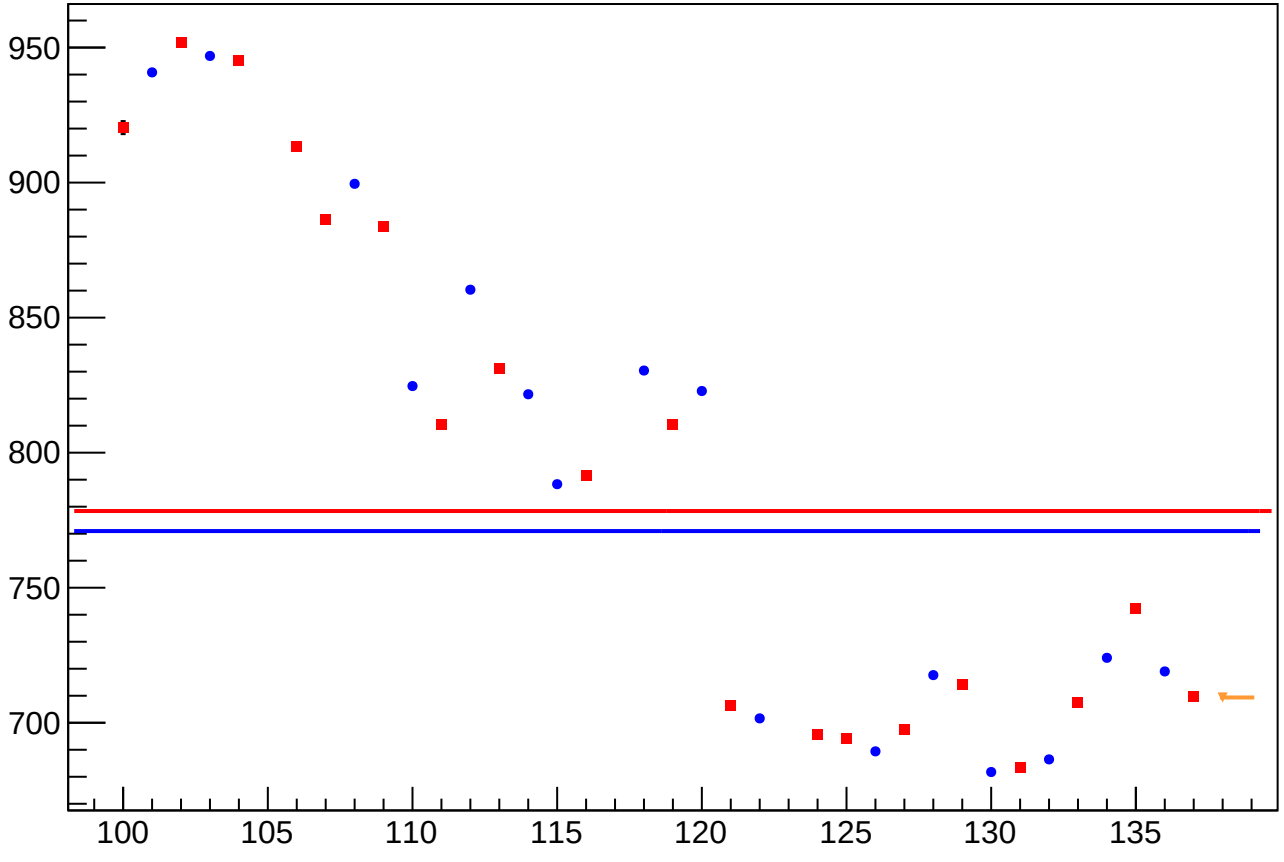
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 10.086+/-0.288 χ^2/NDF:123.9/15

Out: 3.737+/-0.269 χ^2/NDF:414.5/19

All: 6.694+/-0.197 χ^2/NDF: 797.4/35

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 709.359+/-0.568 χ^2/NDF:0.0/0

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 709.359+/-0.568 χ^2/NDF: 0.0/0

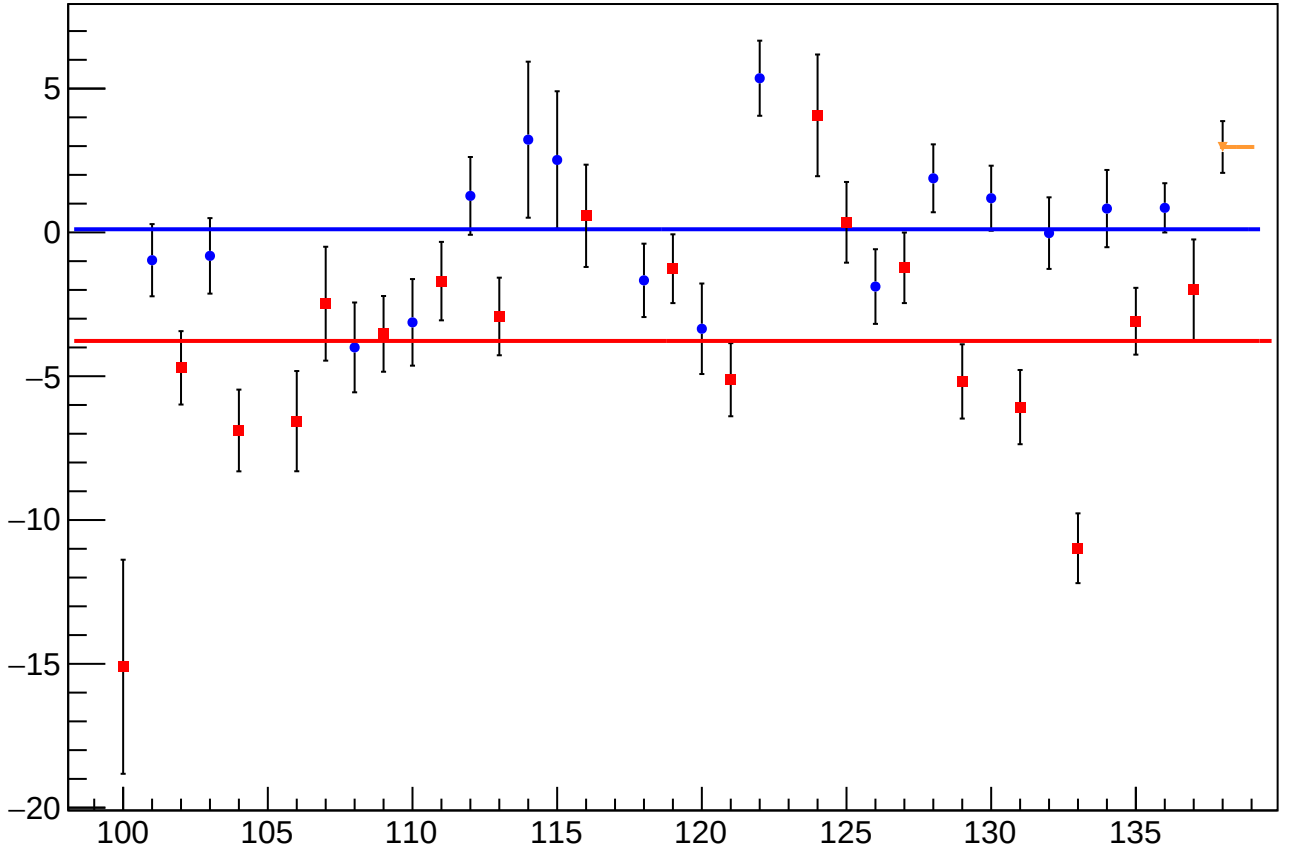
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 770.973+/-0.204 χ^2/NDF:192911.9/15

Out: 770.645+/-0.190 χ^2/NDF:209645.7/19

All: 770.798+/-0.139 χ^2/NDF: 402559.0/35

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 2.970+/-0.900 χ^2/NDF:0.0/0

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

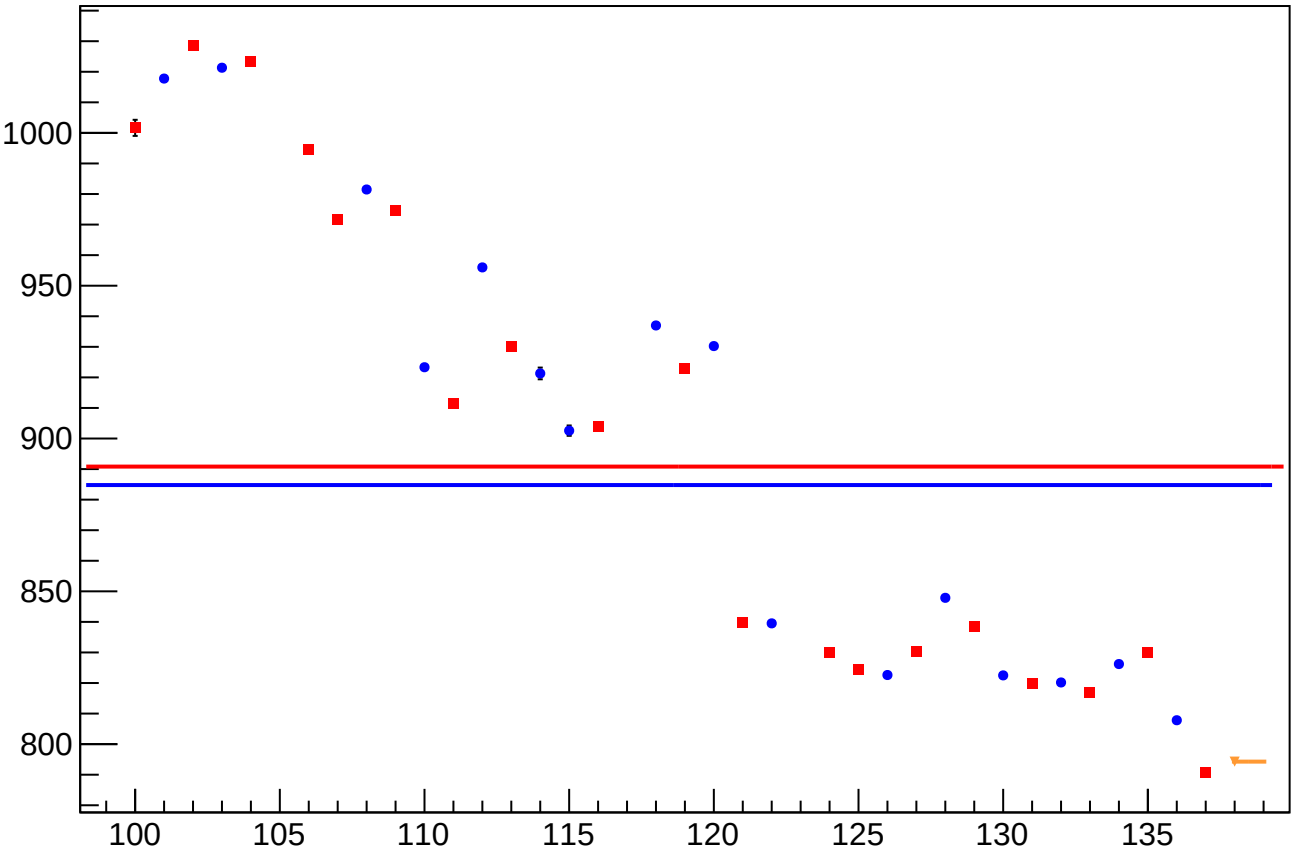
Left: 2.970+/-0.900 χ^2/NDF: 0.0/0

Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: 0.109+/-0.330 χ^2/NDF:45.4/15

Out: -2.991+/-0.307 χ^2/NDF:149.2/19

All: -1.555+/-0.225 χ^2/NDF: 242.0/35



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 794.280+/-0.636 χ^2/NDF:0.0/0

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

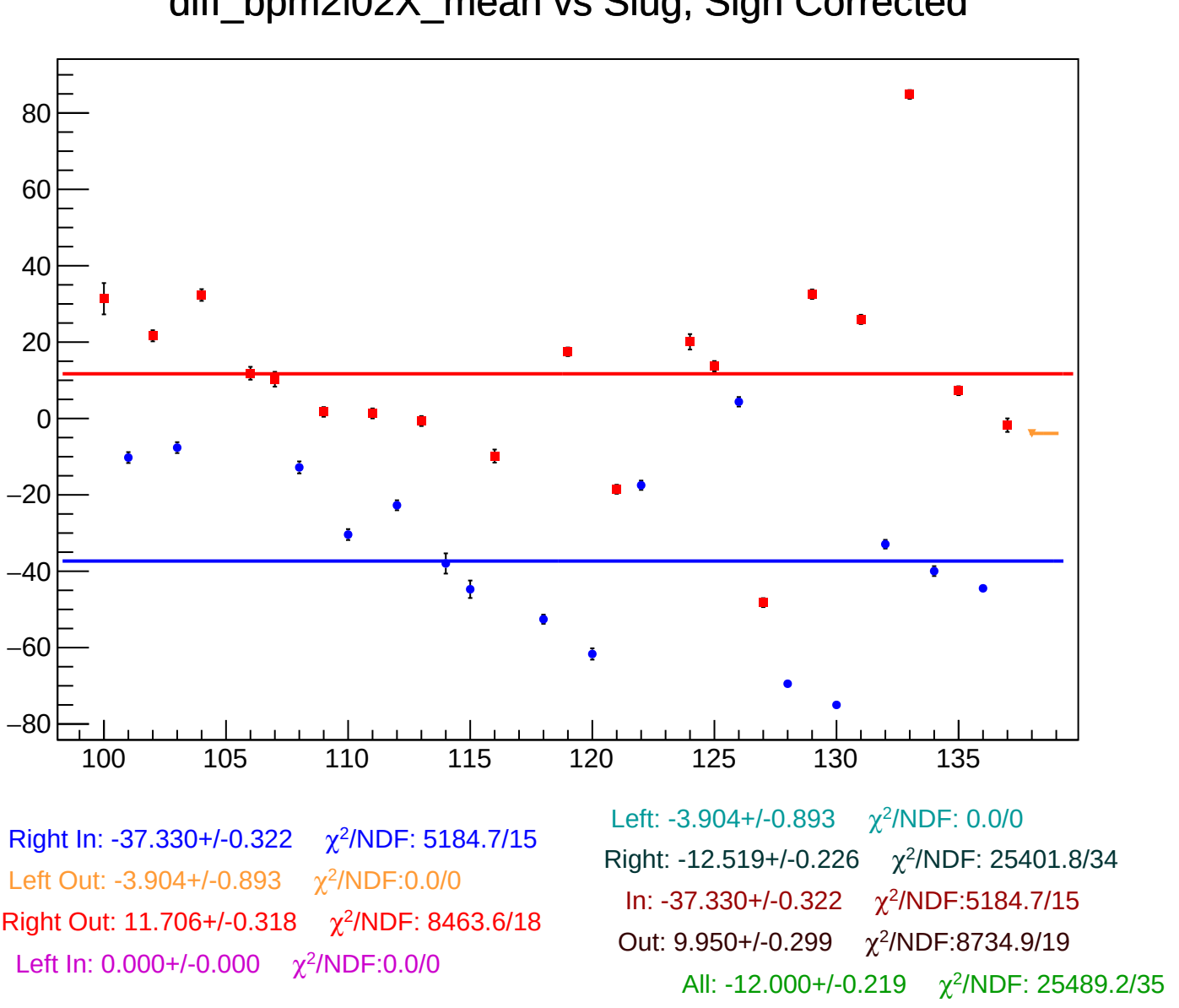
Left: 794.280+/-0.636 χ^2/NDF: 0.0/0

Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

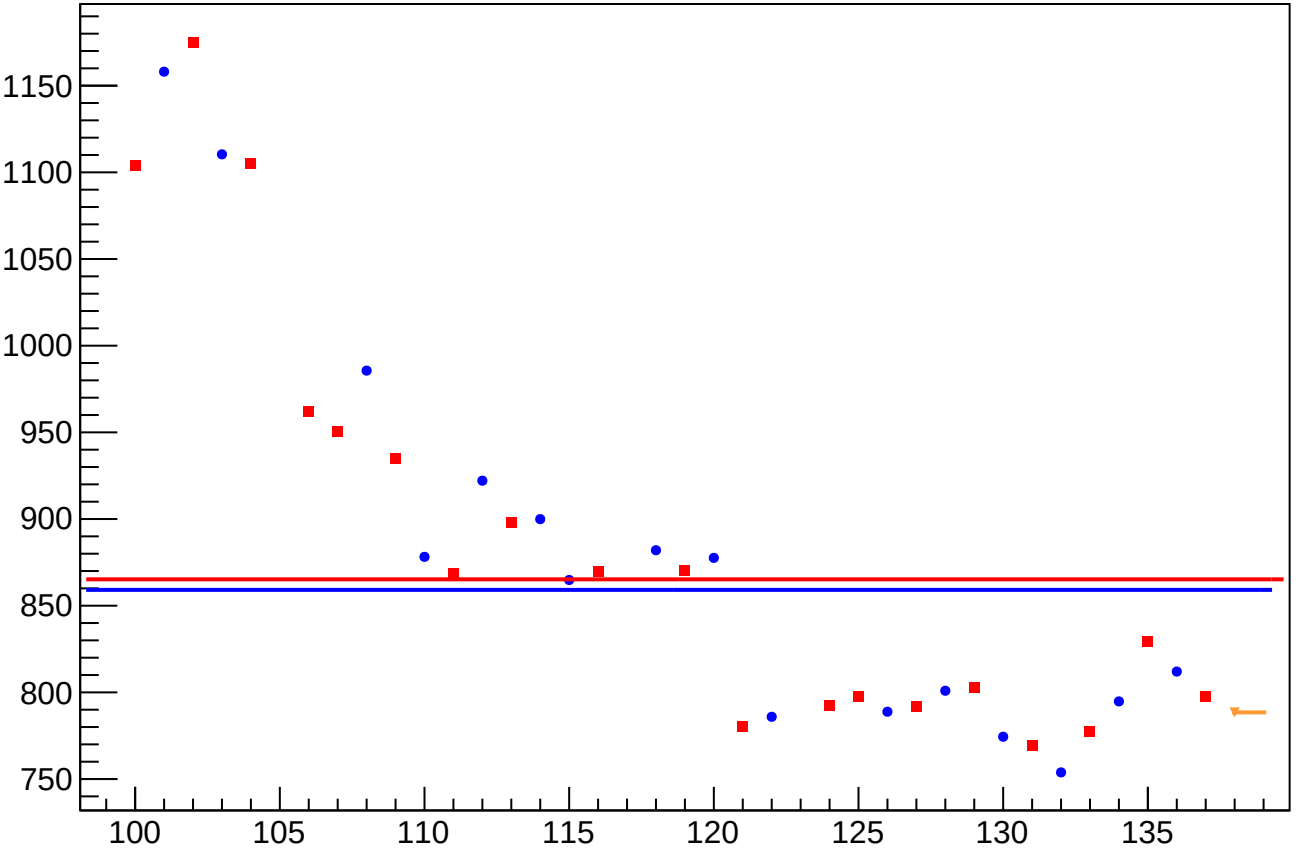
In: 884.773+/-0.233 χ^2/NDF:104494.1/15

Out: 879.608+/-0.217 χ^2/NDF:128116.1/19

All: 882.001+/-0.159 χ^2/NDF: 232873.3/35


diff_bpm2i02X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
105
110
115
120
125
130
135
Right In: -37.330+/-0.322 χ²/NDF: 5184.7/15
Left Out: -3.904+/-0.893 χ²/NDF:0.0/0
Right Out: 11.706+/-0.318 χ²/NDF: 8463.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -3.904+/-0.893 χ²/NDF: 0.0/0
Right: -12.519+/-0.226 χ²/NDF: 25401.8/34
In: -37.330+/-0.322 χ²/NDF:5184.7/15
Out: 9.950+/-0.299 χ²/NDF:8734.9/19
All: -12.000+/-0.219 χ²/NDF: 25489.2/35

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 788.451+/-0.631 χ^2/NDF:0.0/0

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 788.451+/-0.631 χ^2/NDF: 0.0/0

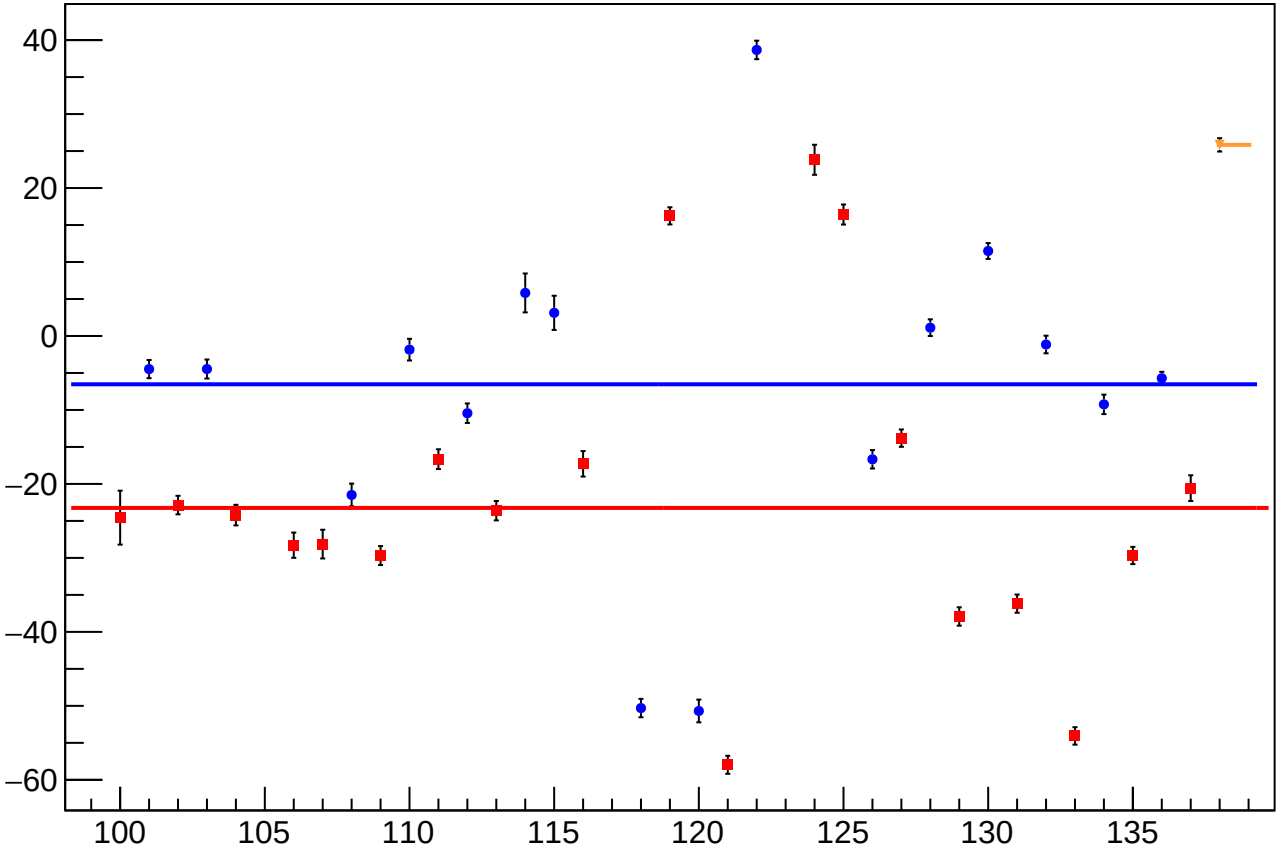
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 859.126+/-0.228 χ^2/NDF:228710.0/15

Out: 856.577+/-0.212 χ^2/NDF:236786.8/19

All: 857.761+/-0.155 χ^2/NDF: 465564.0/35

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 25.837+/-0.907 χ^2/NDF:0.0/0

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 25.837+/-0.907 χ^2/NDF: 0.0/0

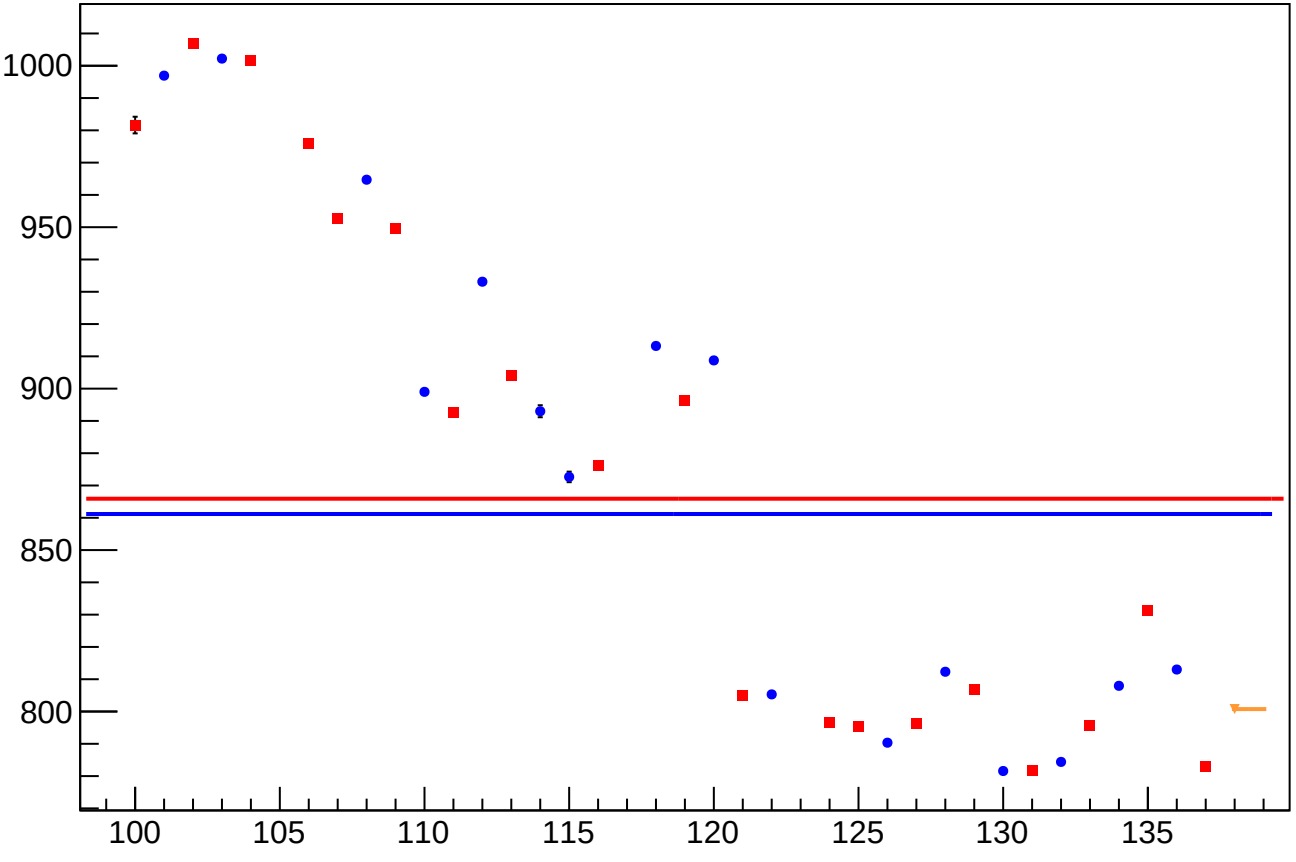
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -6.529+/-0.321 χ^2/NDF:3946.1/15

Out: -17.899+/-0.299 χ^2/NDF:7079.9/19

All: -12.615+/-0.219 χ^2/NDF: 11696.9/35

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 800.755+/-0.641 χ^2/NDF:0.0/0

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 800.755+/-0.641 χ^2/NDF: 0.0/0

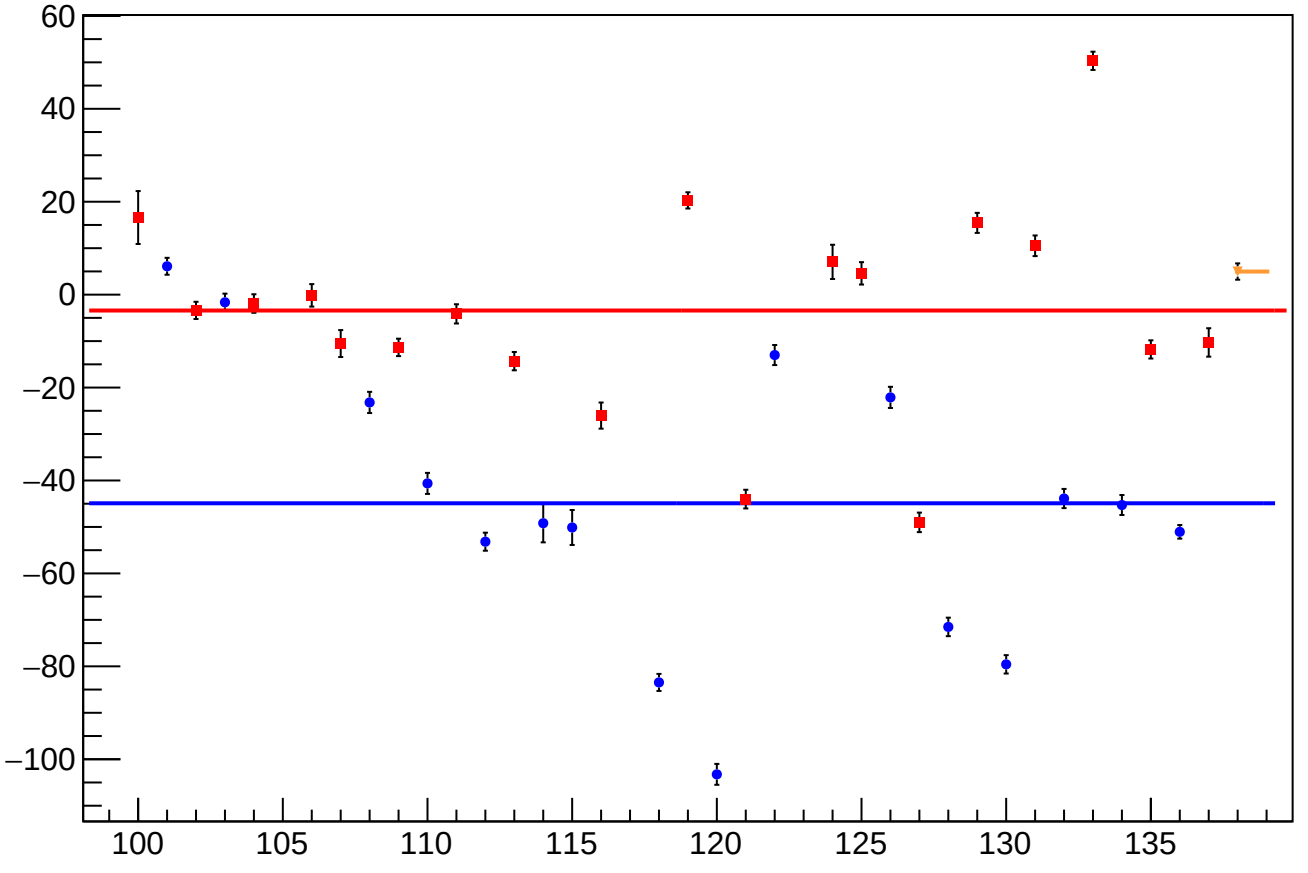
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 861.169+/-0.227 χ^2/NDF:113529.7/15

Out: 858.813+/-0.212 χ^2/NDF:127615.6/19

All: 859.908+/-0.155 χ^2/NDF: 241203.0/35

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: 4.973+/-1.755 χ^2/NDF:0.0/0

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 4.973+/-1.755 χ^2/NDF: 0.0/0

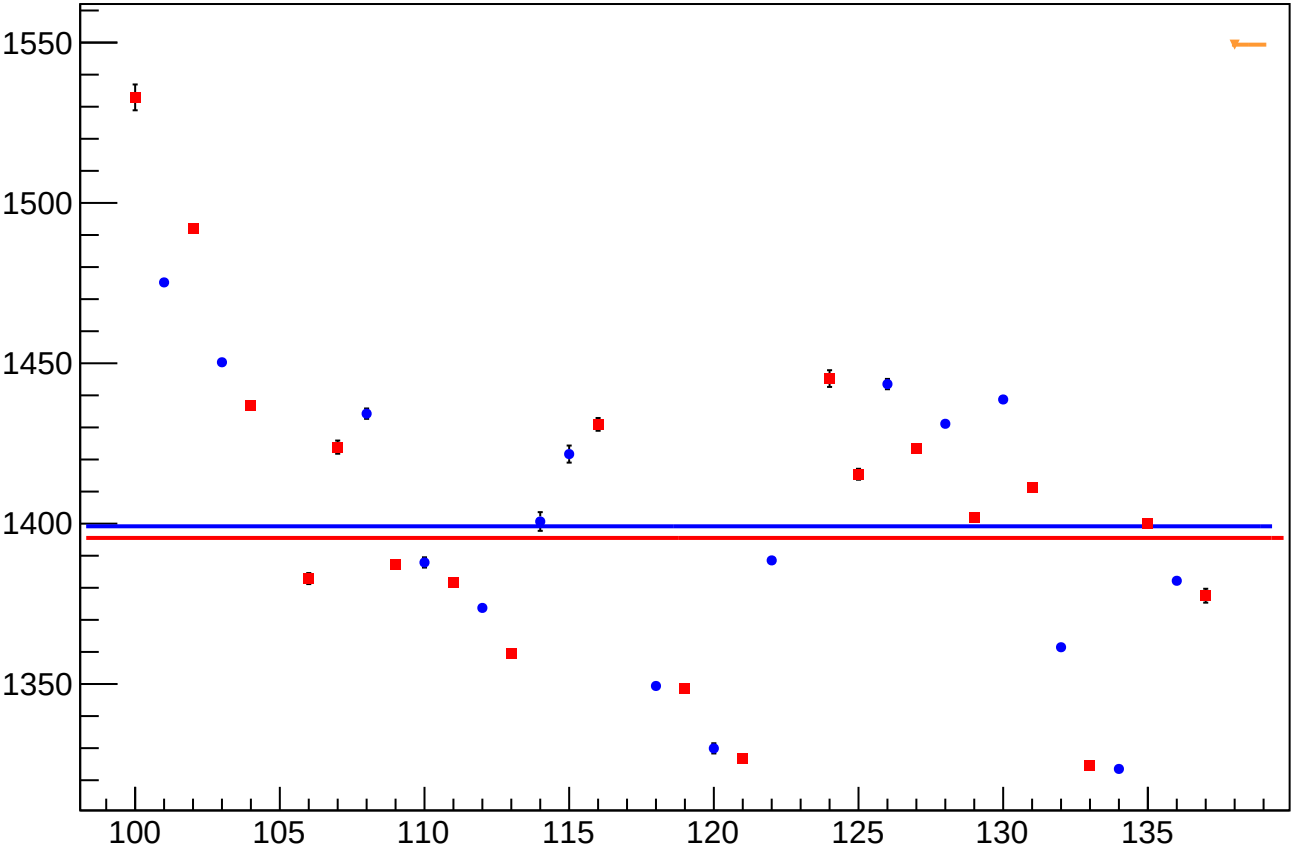
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -44.905+/-0.520 χ^2/NDF:3377.6/15

Out: -2.765+/-0.489 χ^2/NDF:2123.2/19

All: -22.546+/-0.356 χ^2/NDF: 8986.7/35

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1549.352+/-1.241 χ^2/NDF:0.0/0

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1549.352+/-1.241 χ^2/NDF: 0.0/0

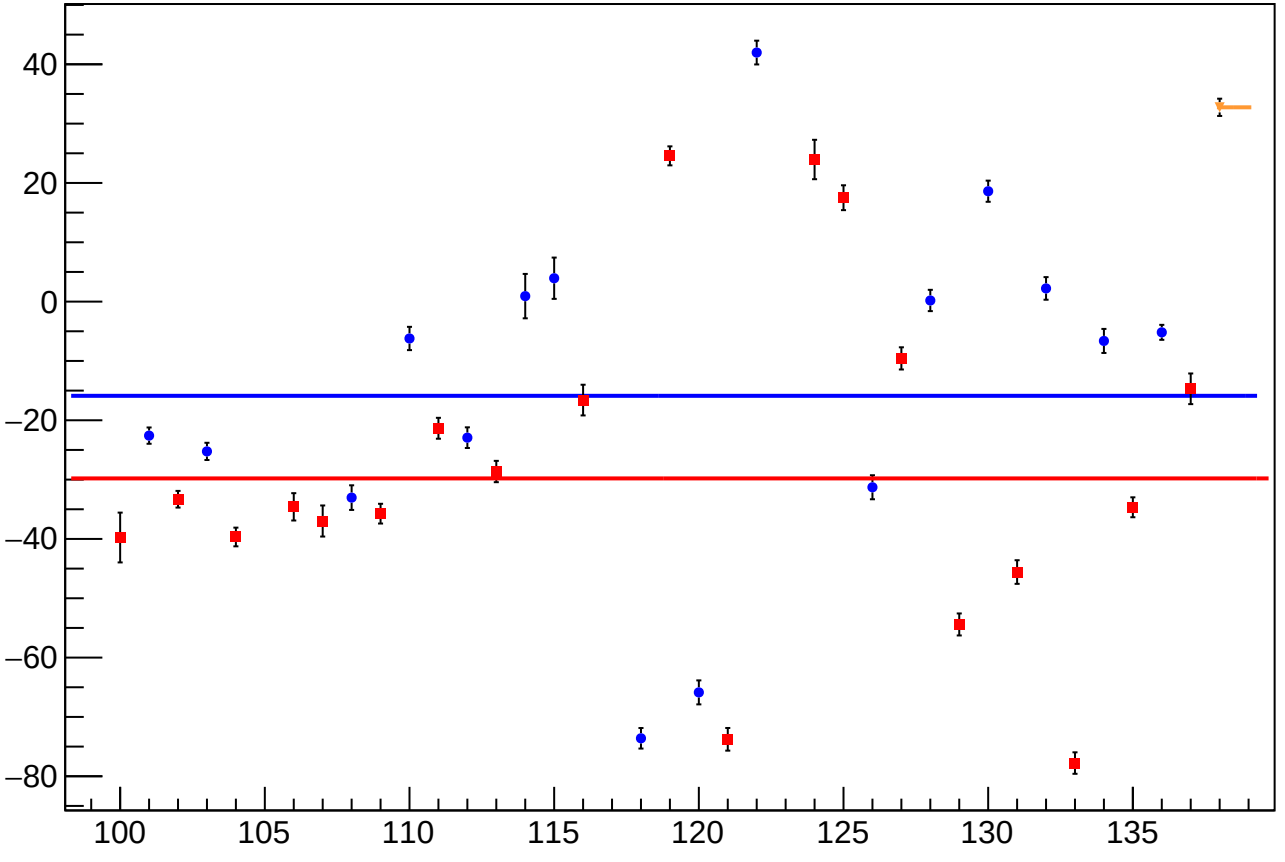
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1399.172+/-0.368 χ^2/NDF:14844.1/15

Out: 1407.483+/-0.346 χ^2/NDF:30405.6/19

All: 1403.582+/-0.252 χ^2/NDF: 45521.0/35

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 32.747+/-1.455 χ^2/NDF:0.0/0

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 32.747+/-1.455 χ^2/NDF: 0.0/0

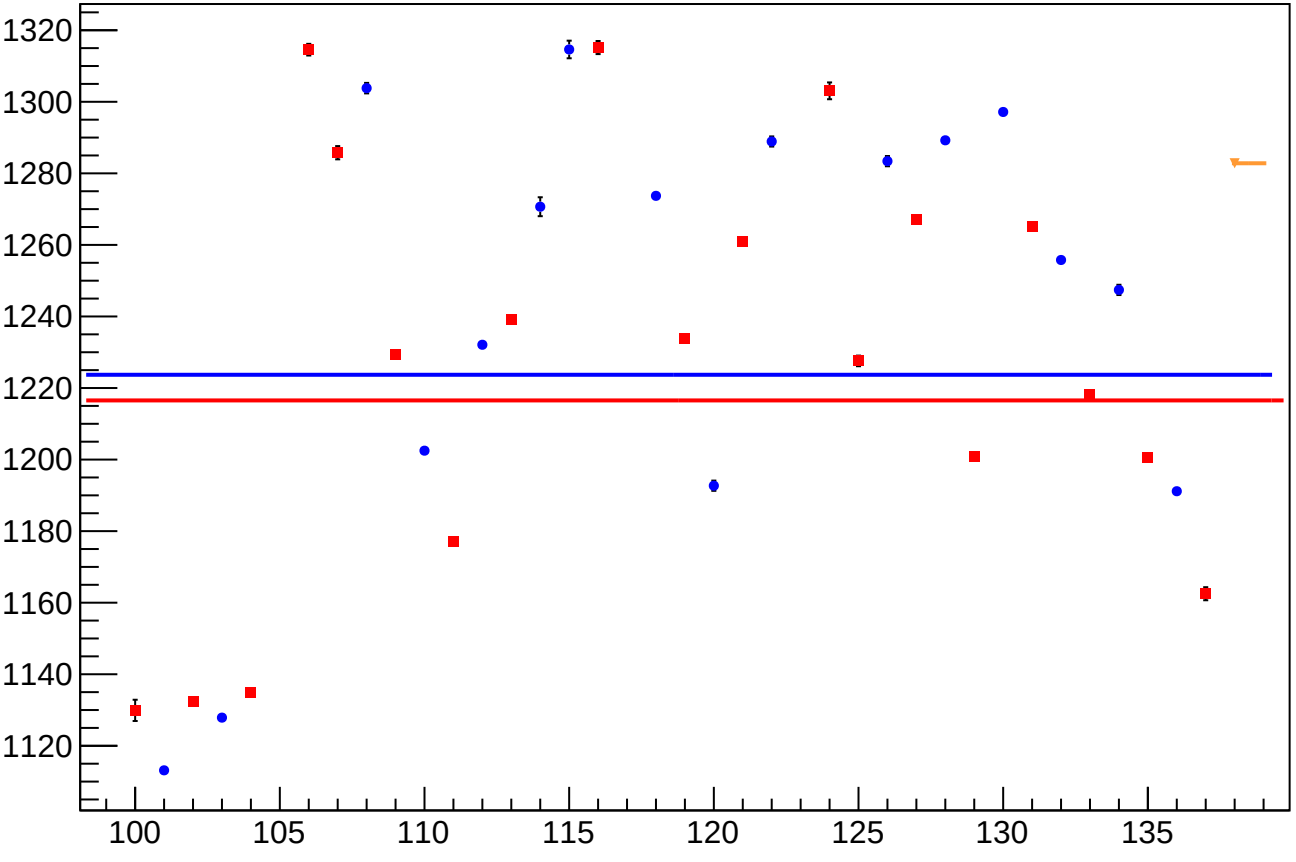
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -15.878+/-0.455 χ^2/NDF:3477.8/15

Out: -24.462+/-0.425 χ^2/NDF:5372.2/19

All: -20.465+/-0.311 χ^2/NDF: 9040.0/35

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1282.816+/-1.029 χ^2/NDF:0.0/0

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1282.816+/-1.029 χ^2/NDF: 0.0/0

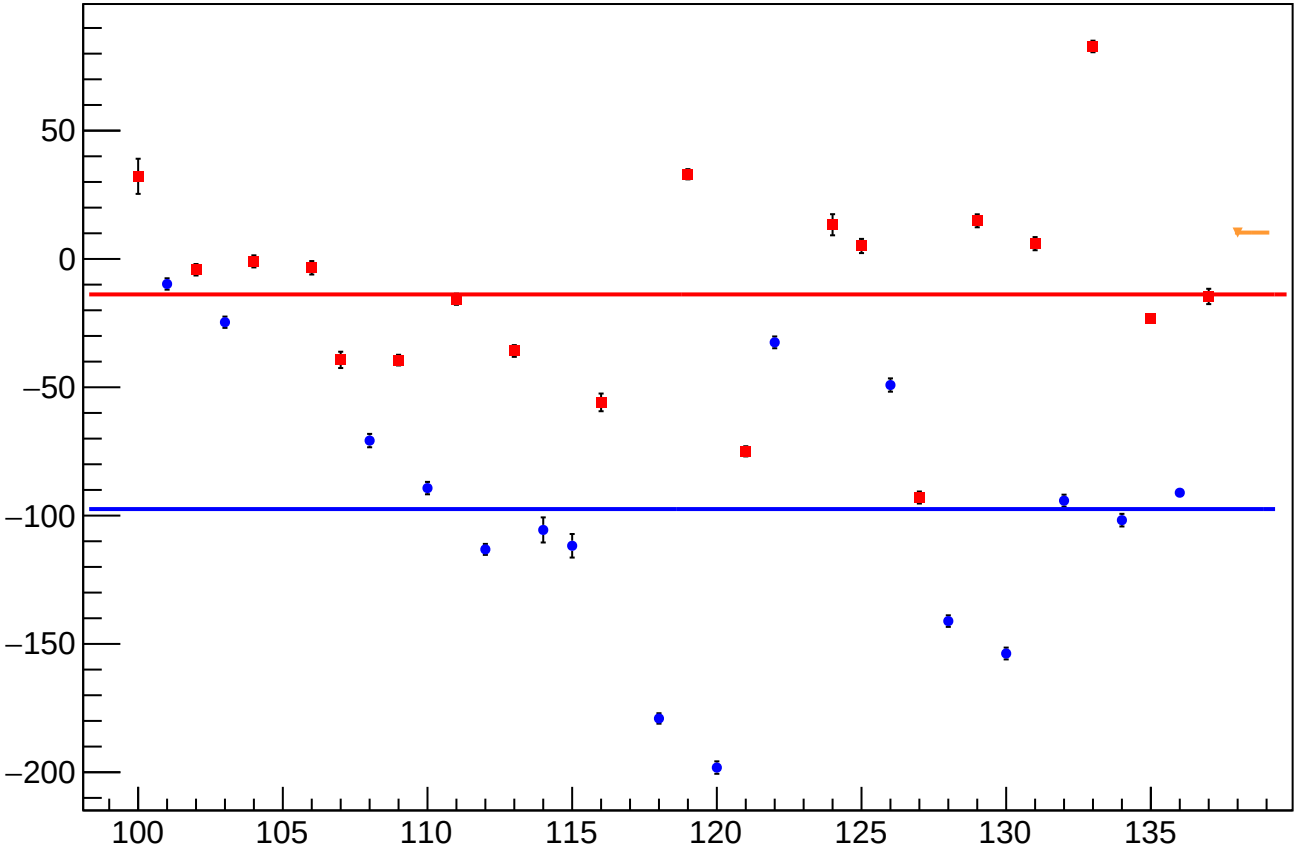
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1223.702+/-0.322 χ^2/NDF:40883.8/15

Out: 1222.190+/-0.301 χ^2/NDF:33179.1/19

All: 1222.894+/-0.220 χ^2/NDF: 74074.7/35

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: 10.281+/-1.827 χ^2/NDF:0.0/0

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 10.281+/-1.827 χ^2/NDF: 0.0/0

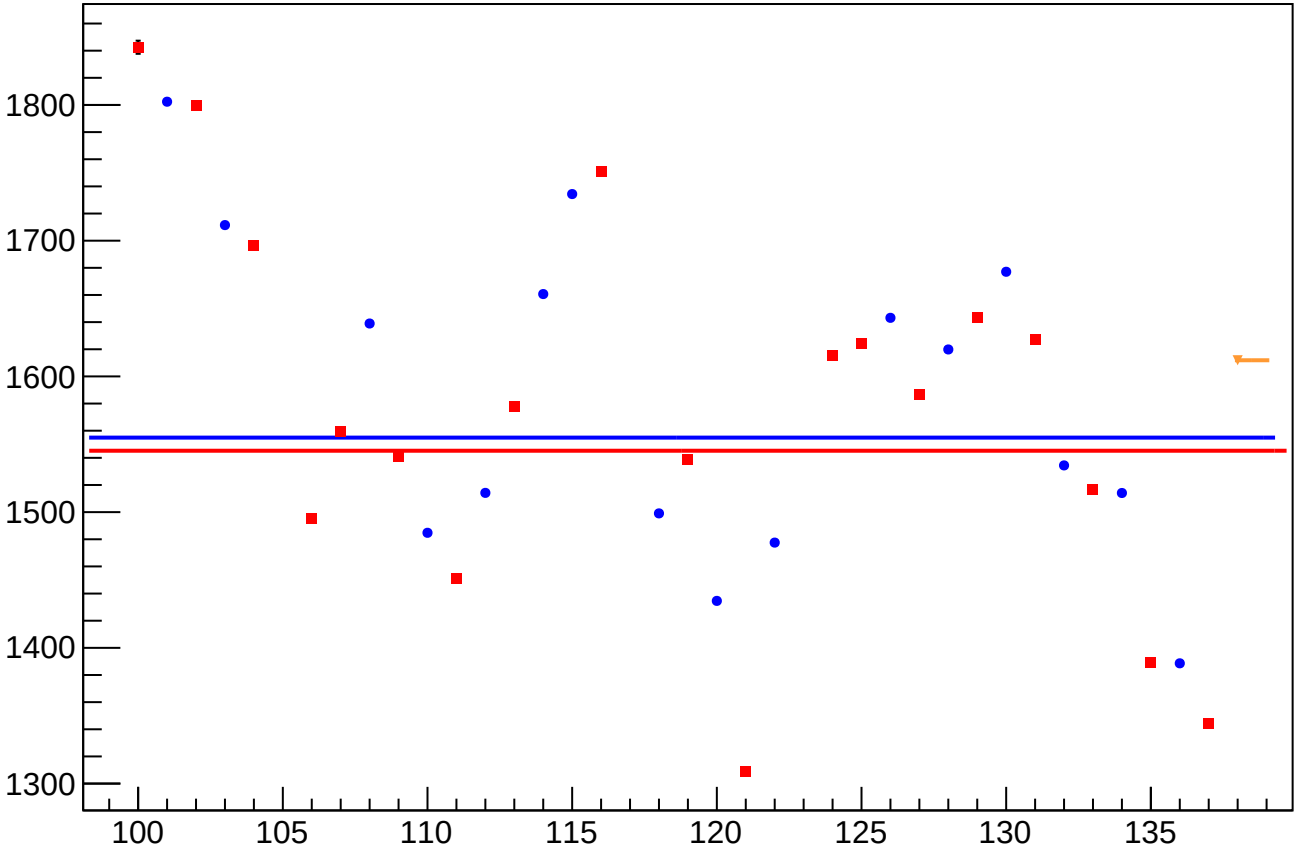
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -97.455+/-0.579 χ^2/NDF:8300.2/15

Out: -11.708+/-0.540 χ^2/NDF:5511.0/19

All: -51.593+/-0.395 χ^2/NDF: 25524.6/35

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1611.899+/-1.292 χ^2/NDF:0.0/0

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1611.899+/-1.292 χ^2/NDF: 0.0/0

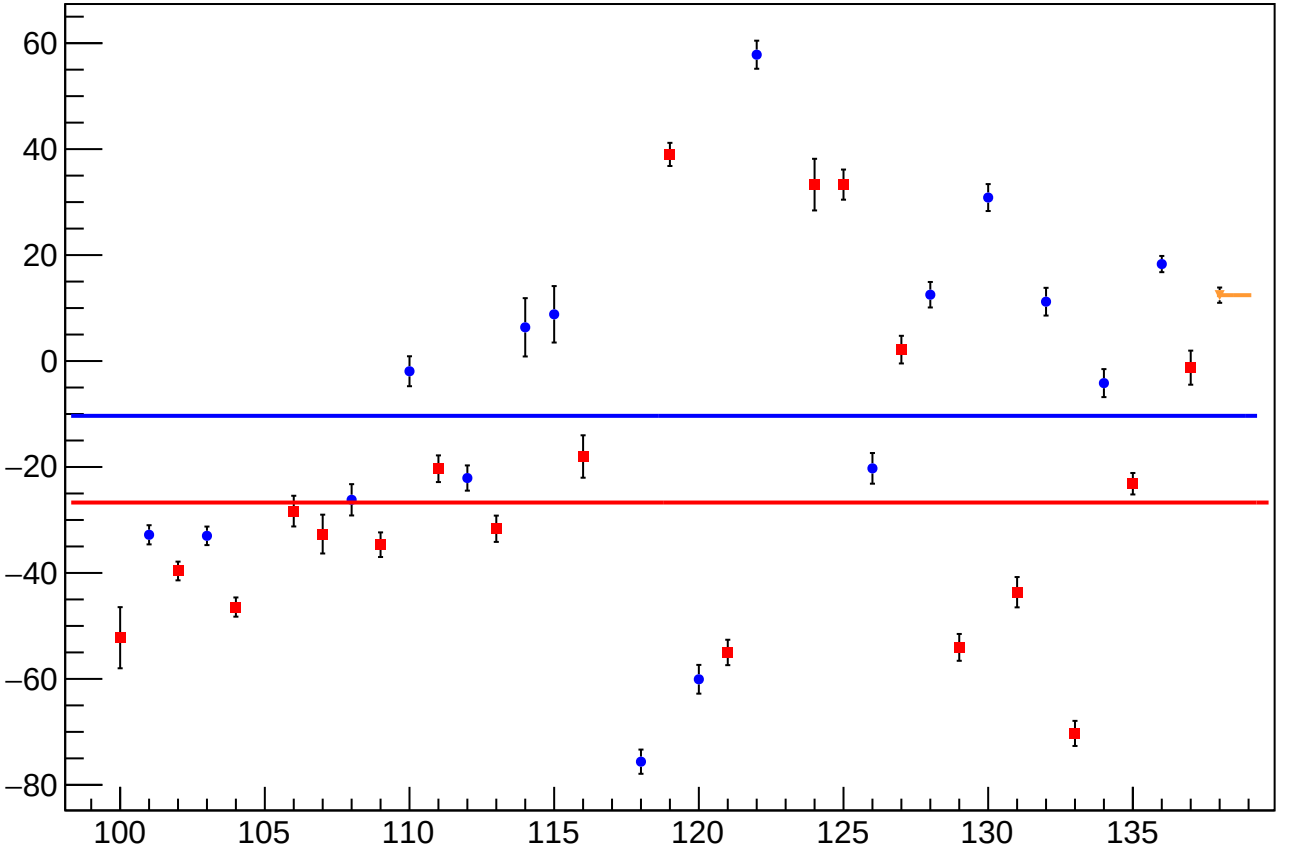
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1554.908+/-0.410 χ^2/NDF:87920.1/15

Out: 1551.072+/-0.382 χ^2/NDF:111219.9/19

All: 1552.857+/-0.279 χ^2/NDF: 199186.9/35

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 12.432+/-1.443 χ^2/NDF:0.0/0

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 12.432+/-1.443 χ^2/NDF: 0.0/0

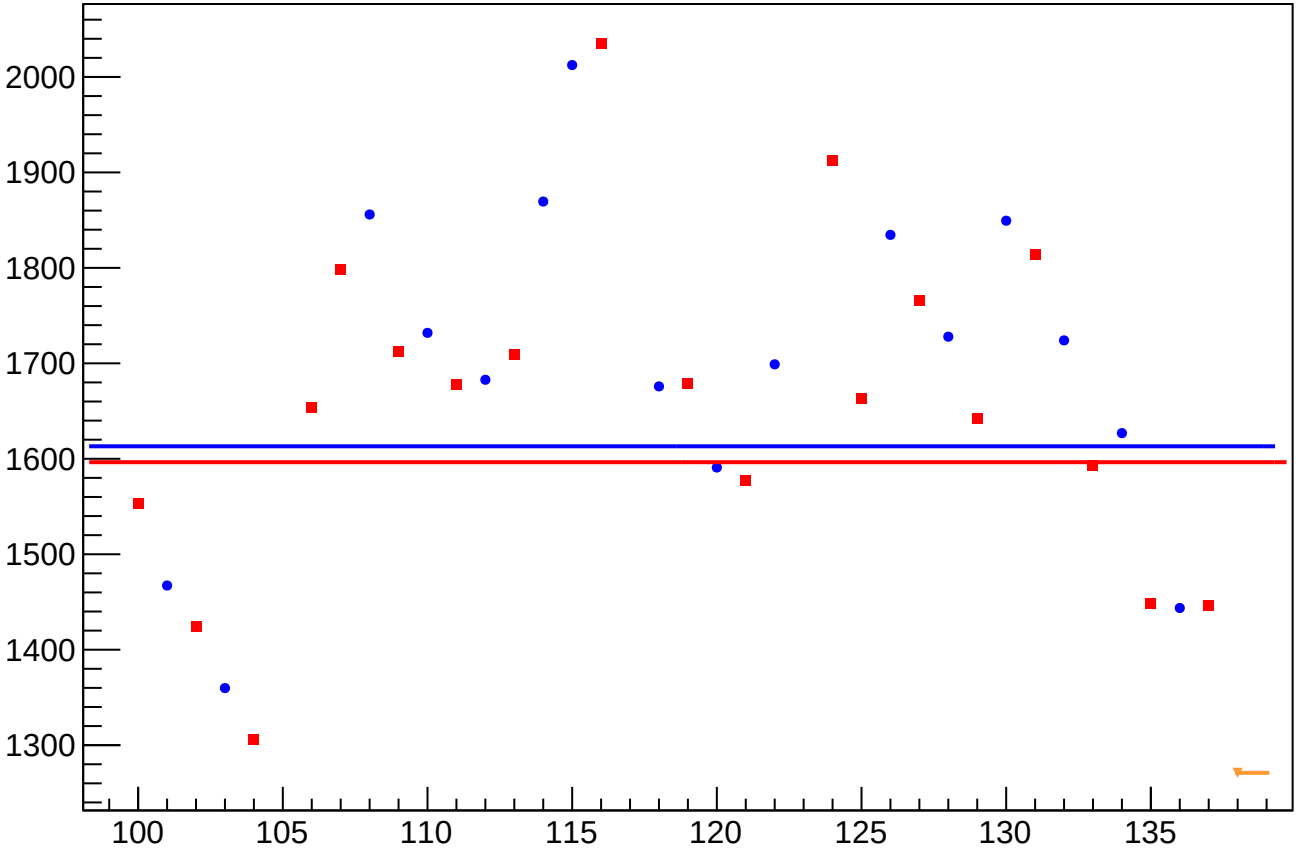
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -10.345+/-0.603 χ^2/NDF:3007.0/15

Out: -21.163+/-0.543 χ^2/NDF:3172.2/19

All: -16.318+/-0.404 χ^2/NDF: 6356.8/35

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1271.022+/-1.020 χ^2/NDF:0.0/0

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1271.022+/-1.020 χ^2/NDF: 0.0/0

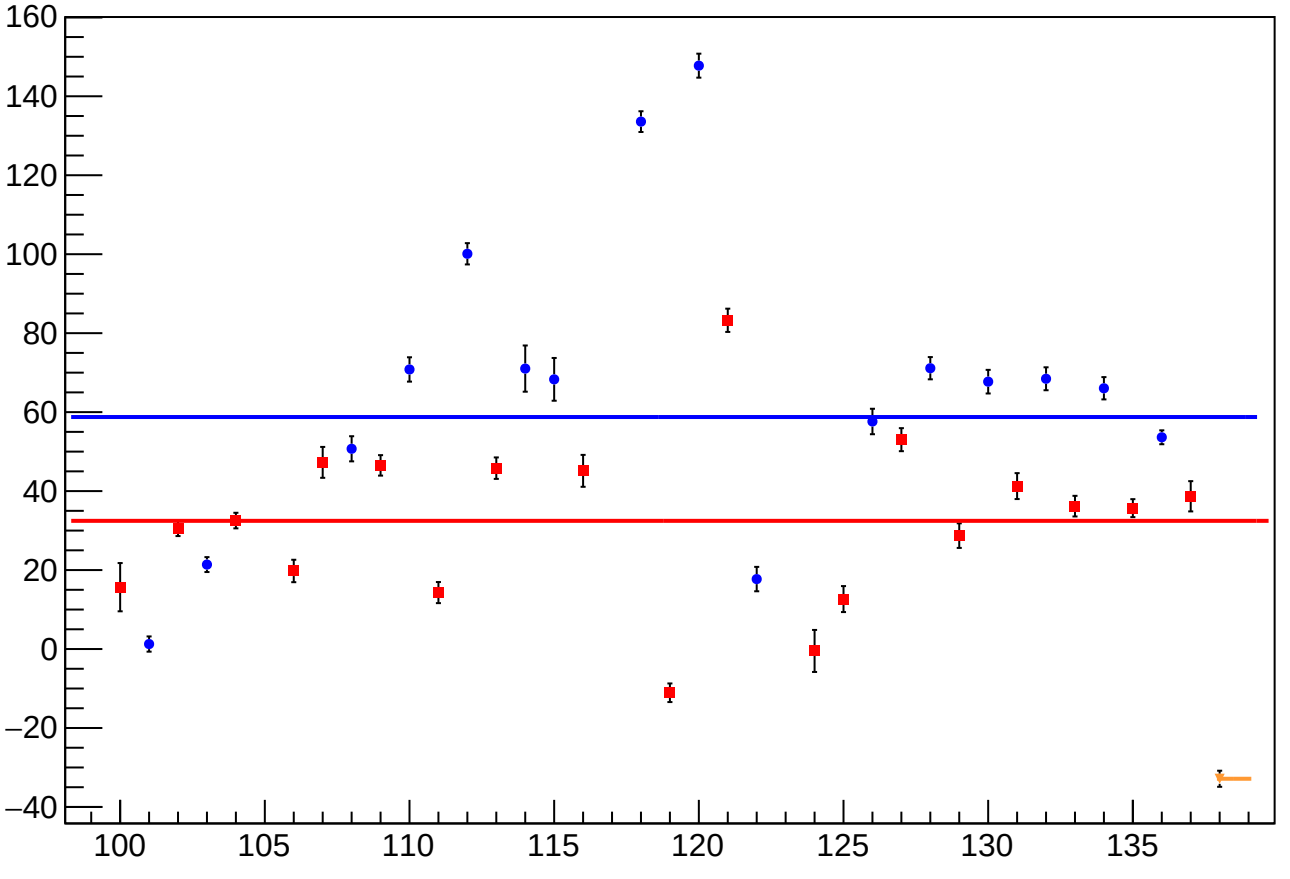
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1613.094+/-0.426 χ^2/NDF:154710.6/15

Out: 1550.326+/-0.384 χ^2/NDF:248011.0/19

All: 1578.439+/-0.285 χ^2/NDF: 414681.0/35

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -32.856+/-2.037 χ^2/NDF:0.0/0

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -32.856+/-2.037 χ^2/NDF: 0.0/0

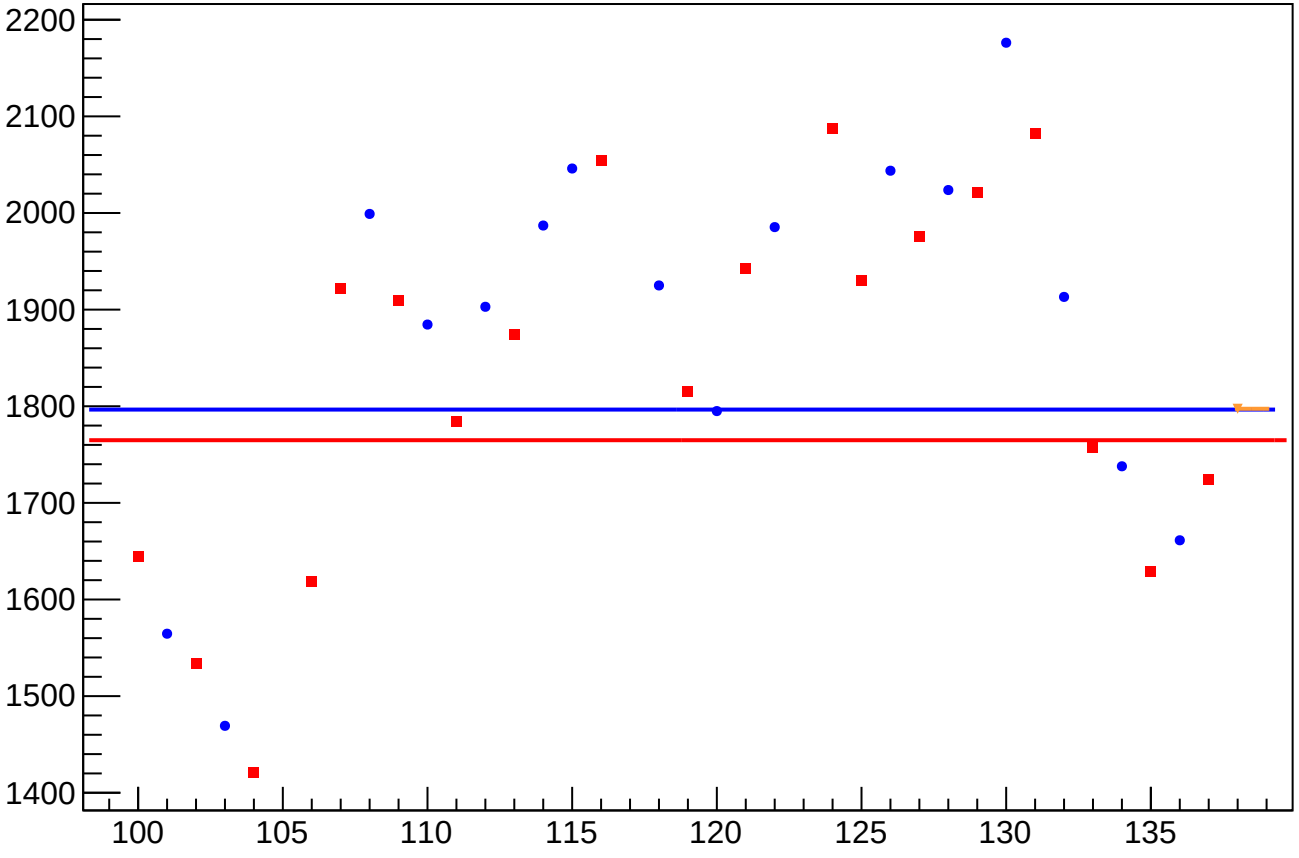
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: 58.761+/-0.672 χ^2/NDF:3443.3/15

Out: 26.459+/-0.618 χ^2/NDF:1864.2/19

All: 41.247+/-0.455 χ^2/NDF: 6558.6/35

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1797.394+/-1.441 χ^2/NDF:0.0/0

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1797.394+/-1.441 χ^2/NDF: 0.0/0

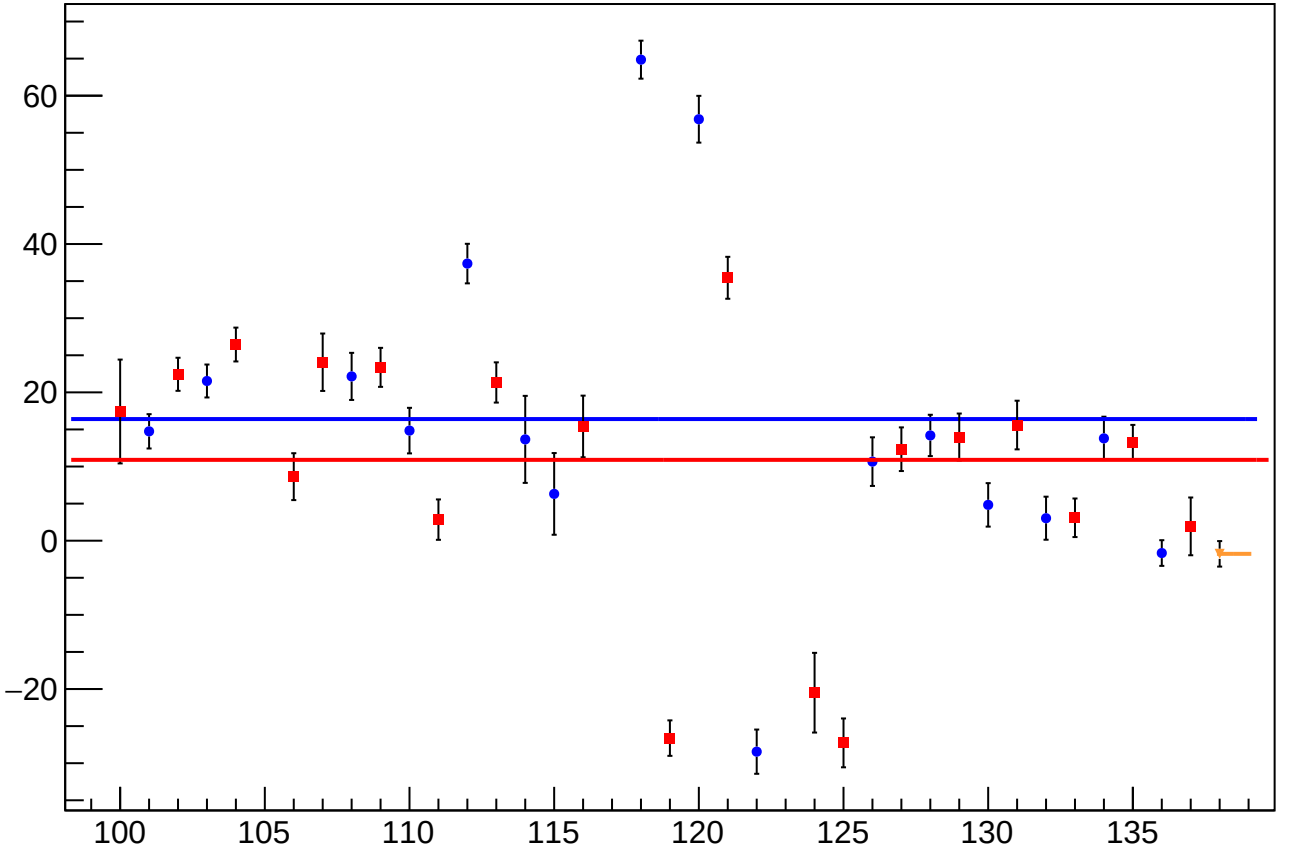
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1796.555+/-0.475 χ^2/NDF:193171.9/15

Out: 1767.852+/-0.437 χ^2/NDF:190450.9/19

All: 1780.992+/-0.322 χ^2/NDF: 385598.4/35

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -1.774+/-1.720 χ^2/NDF:0.0/0

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

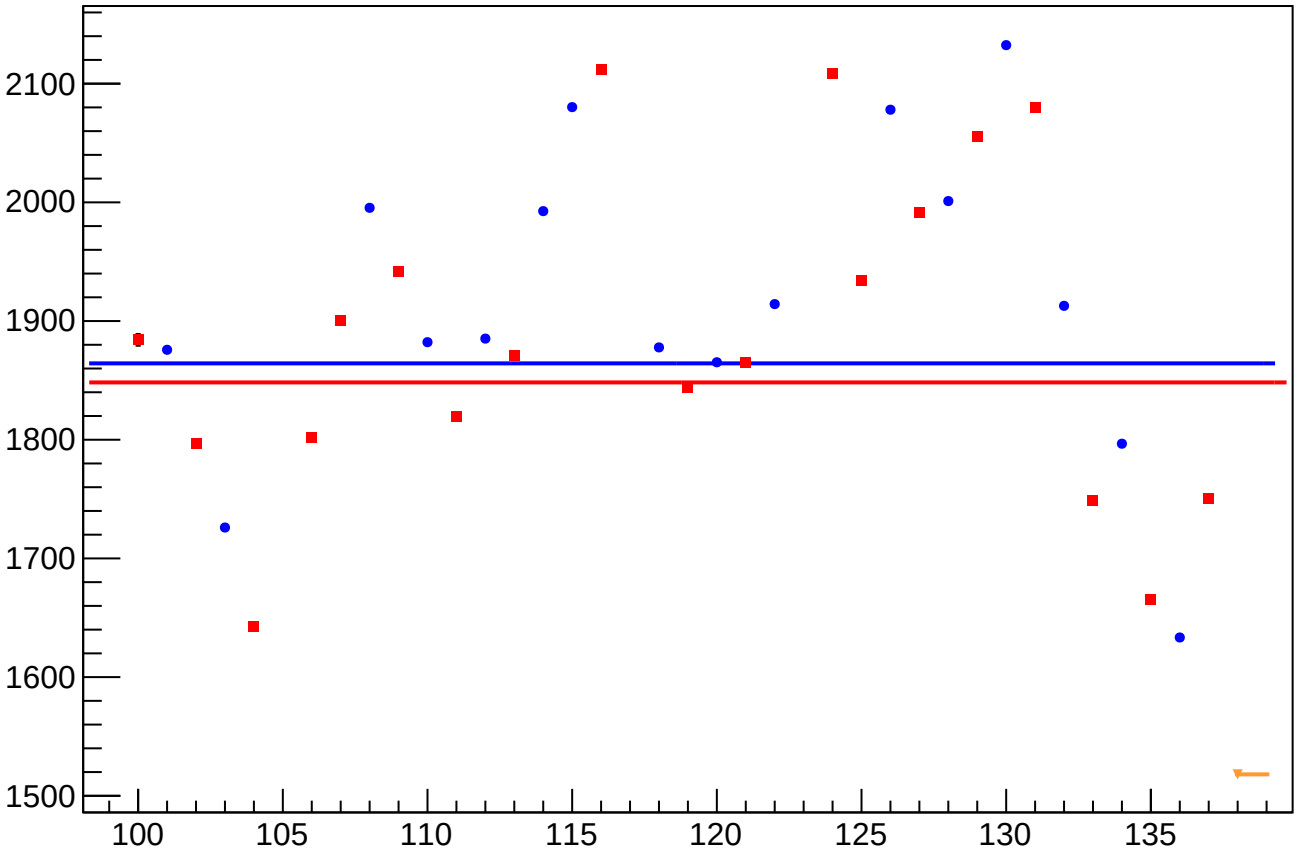
Left: -1.774+/-1.720 χ^2/NDF: 0.0/0

Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 16.400+/-0.695 χ^2/NDF:973.0/15

Out: 9.203+/-0.629 χ^2/NDF:688.7/19

All: 12.446+/-0.467 χ^2/NDF: 1720.6/35



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1518.073+/-1.217 χ^2/NDF:0.0/0

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1518.073+/-1.217 χ^2/NDF: 0.0/0

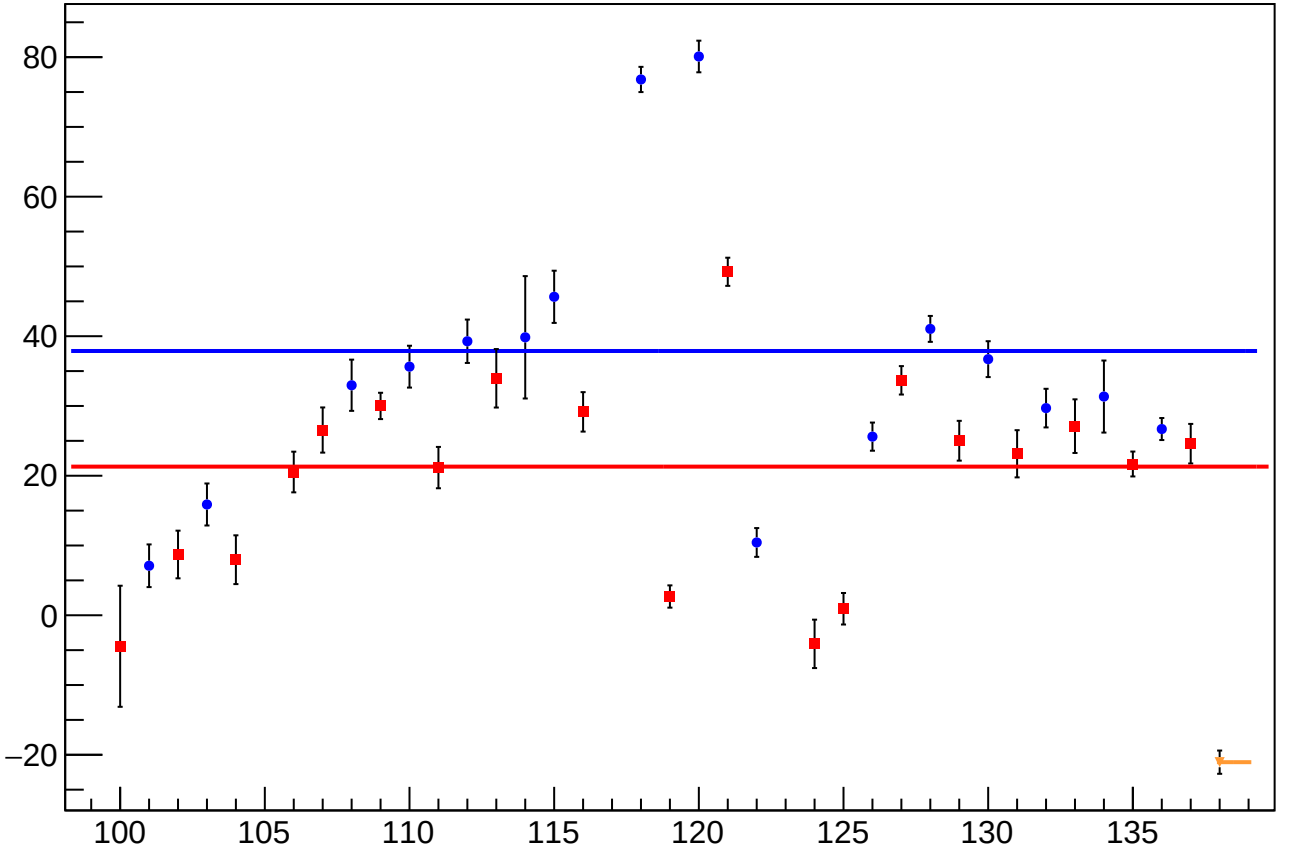
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1864.335+/-0.491 χ^2/NDF:83311.5/15

Out: 1804.091+/-0.445 χ^2/NDF:138776.9/19

All: 1831.236+/-0.330 χ^2/NDF: 230345.4/35

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -21.059+/-1.666 χ^2/NDF:0.0/0

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -21.059+/-1.666 χ^2/NDF: 0.0/0

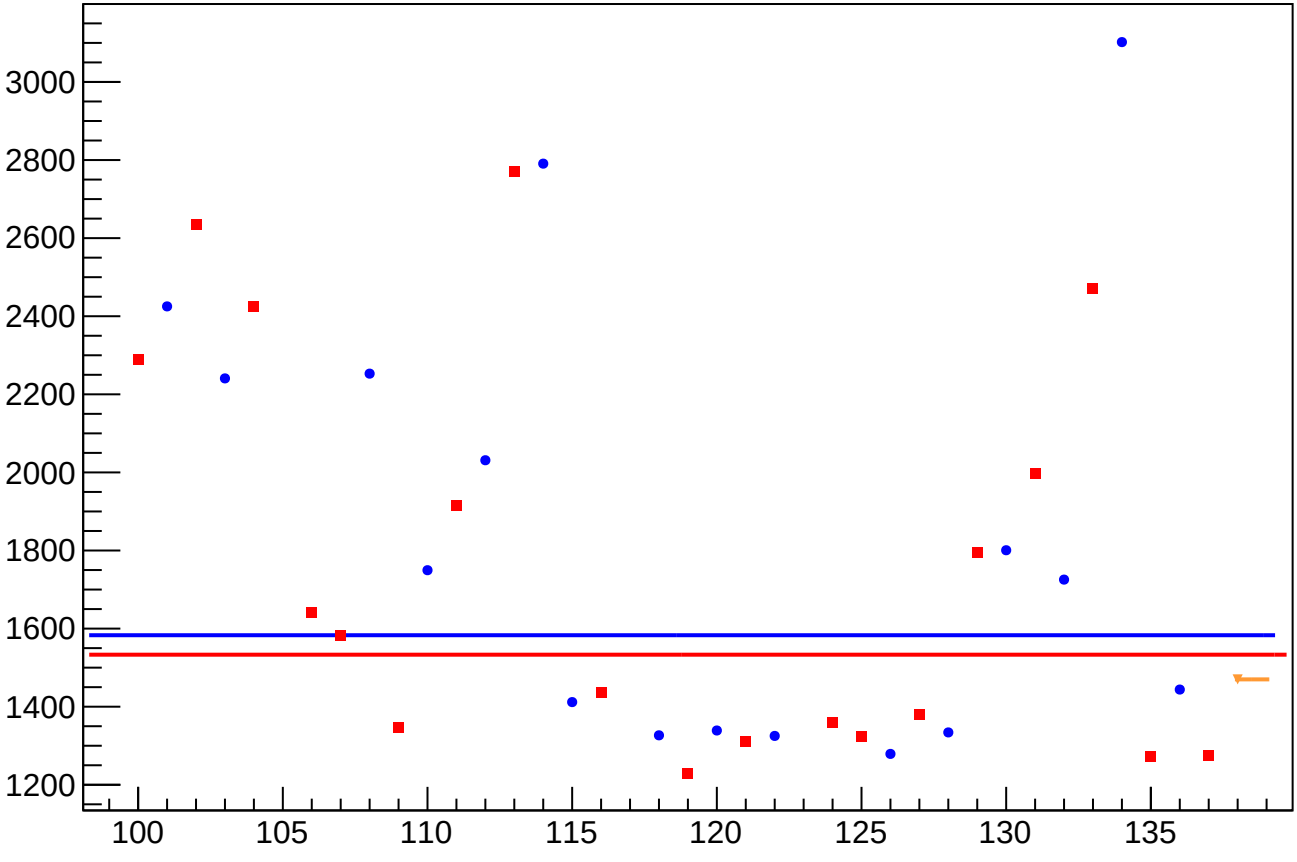
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 37.880+/-0.622 χ^2/NDF:1249.8/15

Out: 16.545+/-0.559 χ^2/NDF:1156.4/19

All: 26.064+/-0.416 χ^2/NDF: 3057.0/35

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1469.936+/-1.178 χ^2/NDF:0.0/0

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1469.936+/-1.178 χ^2/NDF: 0.0/0

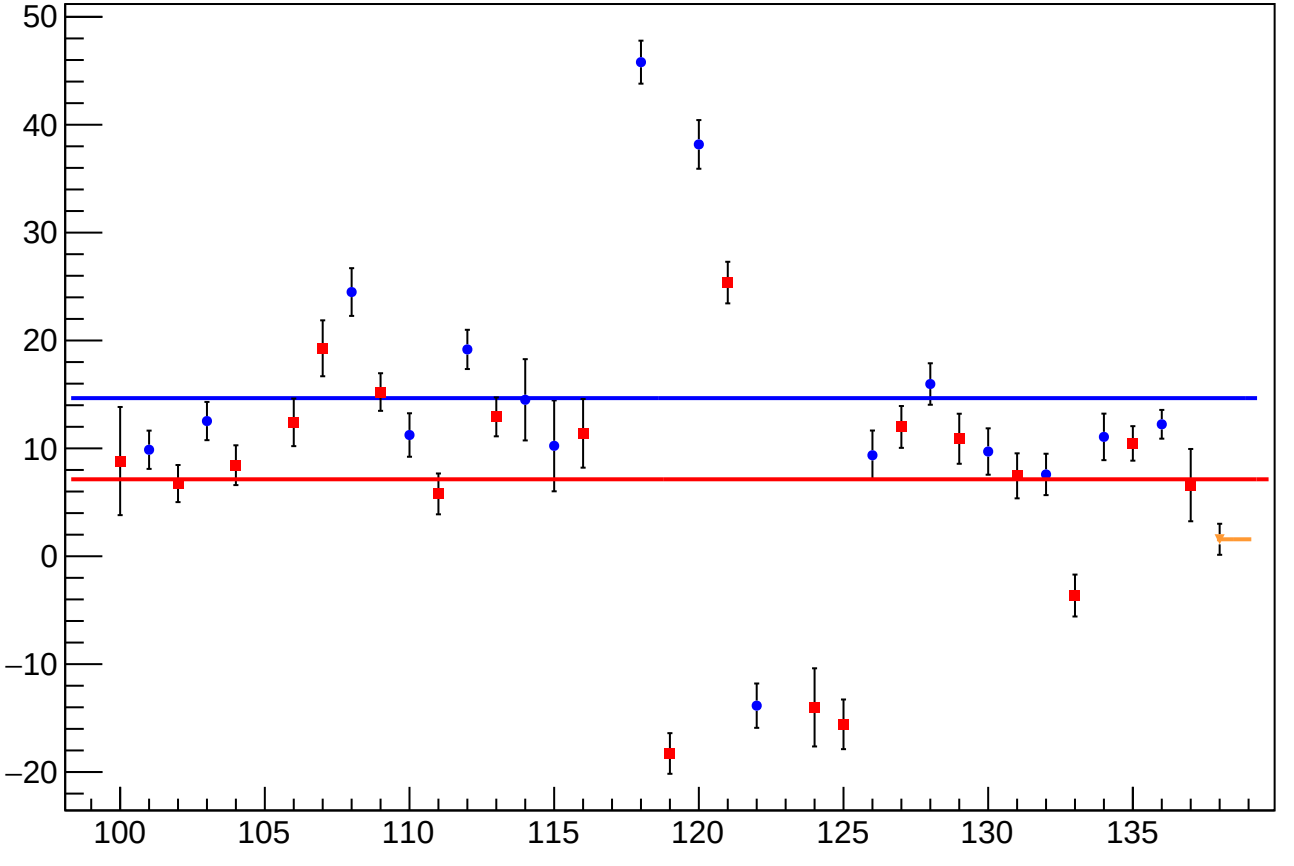
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1583.050+/-0.440 χ^2/NDF:787672.4/15

Out: 1526.081+/-0.395 χ^2/NDF:953335.5/19

All: 1551.499+/-0.294 χ^2/NDF: 1750288.6/35

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 1.573+/-1.439 χ^2/NDF:0.0/0

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.573+/-1.439 χ^2/NDF: 0.0/0

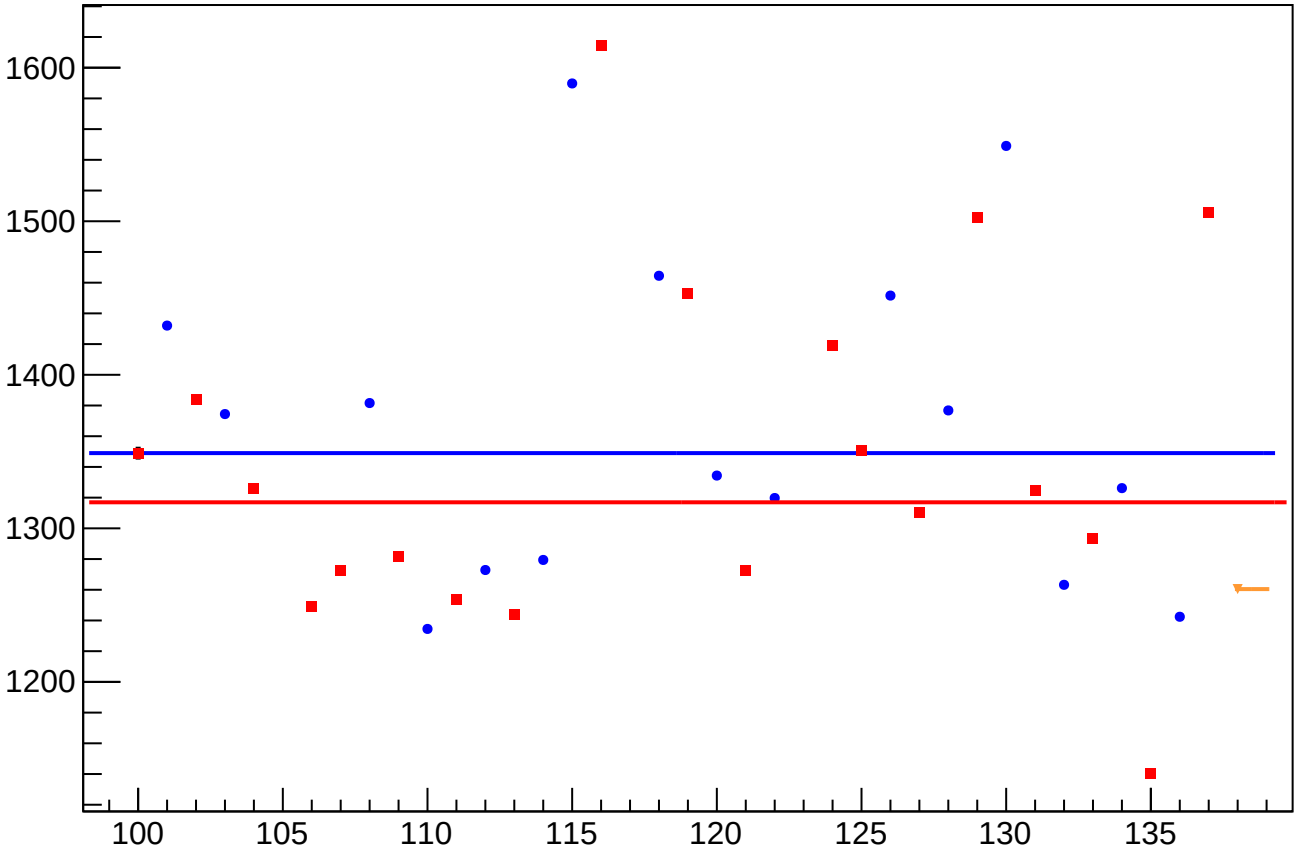
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 14.658+/-0.504 χ^2/NDF:614.8/15

Out: 6.571+/-0.458 χ^2/NDF:522.8/19

All: 10.225+/-0.339 χ^2/NDF: 1278.5/35

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1260.439+/-1.017 χ^2/NDF:0.0/0

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1260.439+/-1.017 χ^2/NDF: 0.0/0

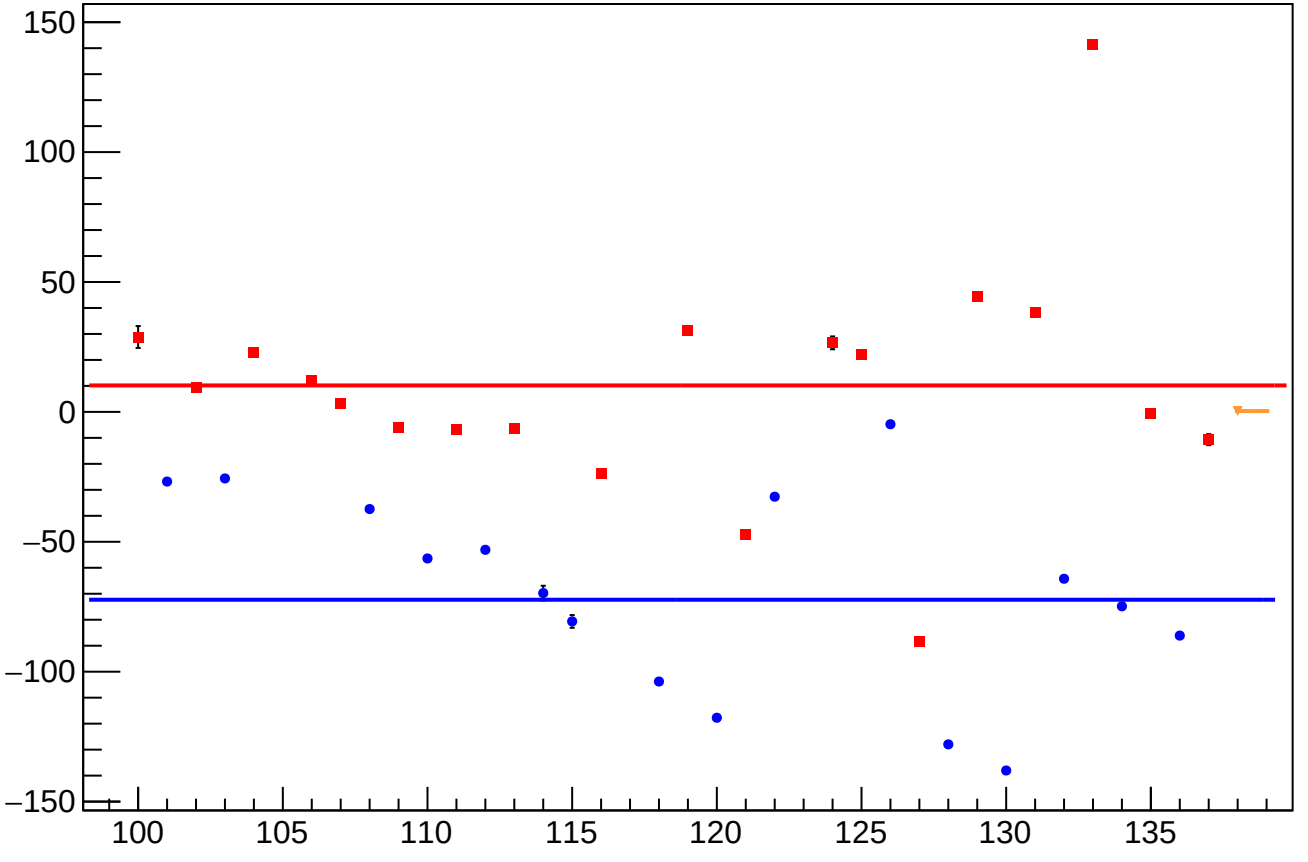
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1349.000+/-0.357 χ^2/NDF:68383.7/15

Out: 1311.231+/-0.324 χ^2/NDF:89648.0/19

All: 1328.297+/-0.240 χ^2/NDF: 164176.3/35

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: 0.316+/-1.014 χ^2/NDF:0.0/0

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.316+/-1.014 χ^2/NDF: 0.0/0

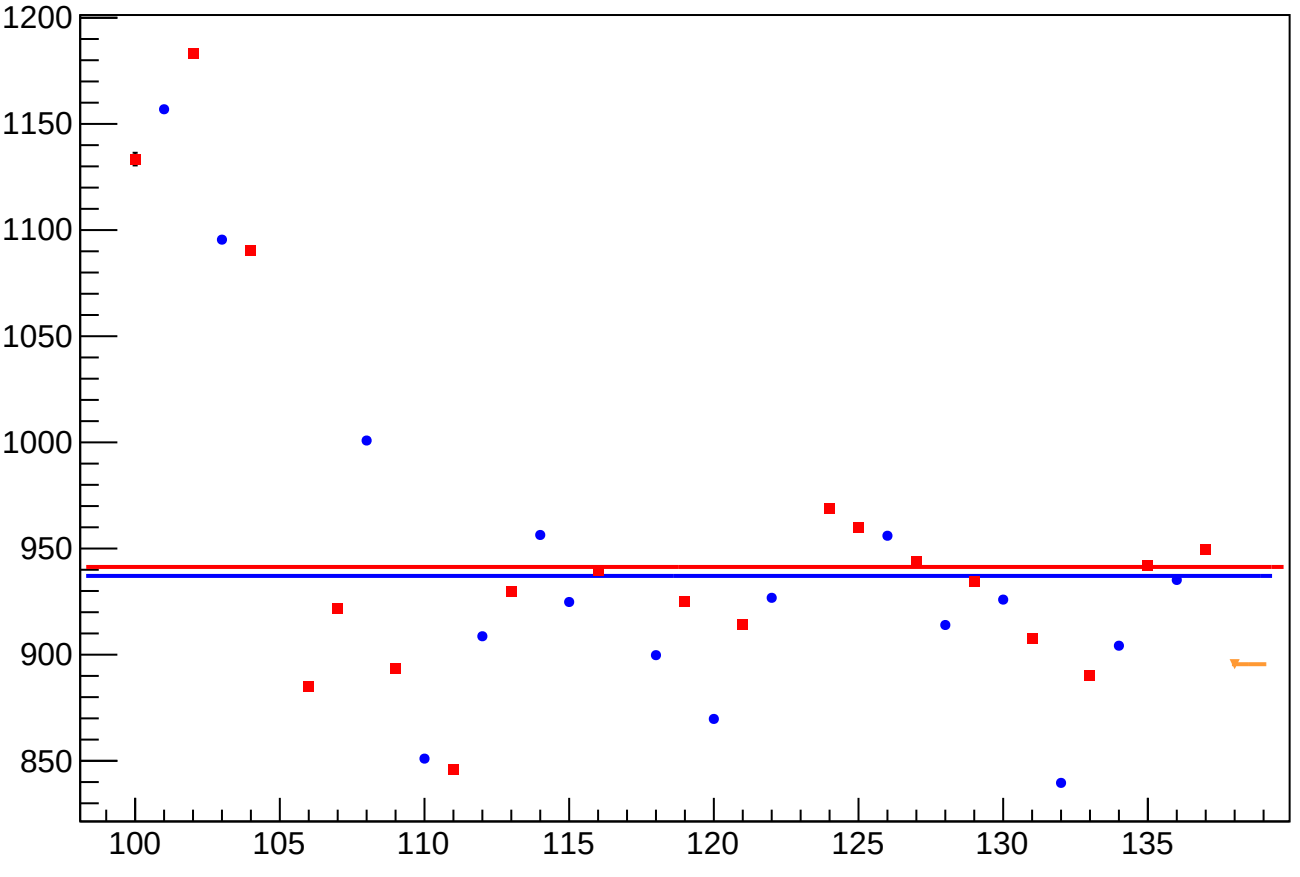
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: -72.304+/-0.349 χ^2/NDF:12153.8/15

Out: 9.167+/-0.326 χ^2/NDF:19130.8/19

All: -28.771+/-0.238 χ^2/NDF: 60327.6/35

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 895.514+/-0.717 χ^2/NDF:0.0/0

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 895.514+/-0.717 χ^2/NDF: 0.0/0

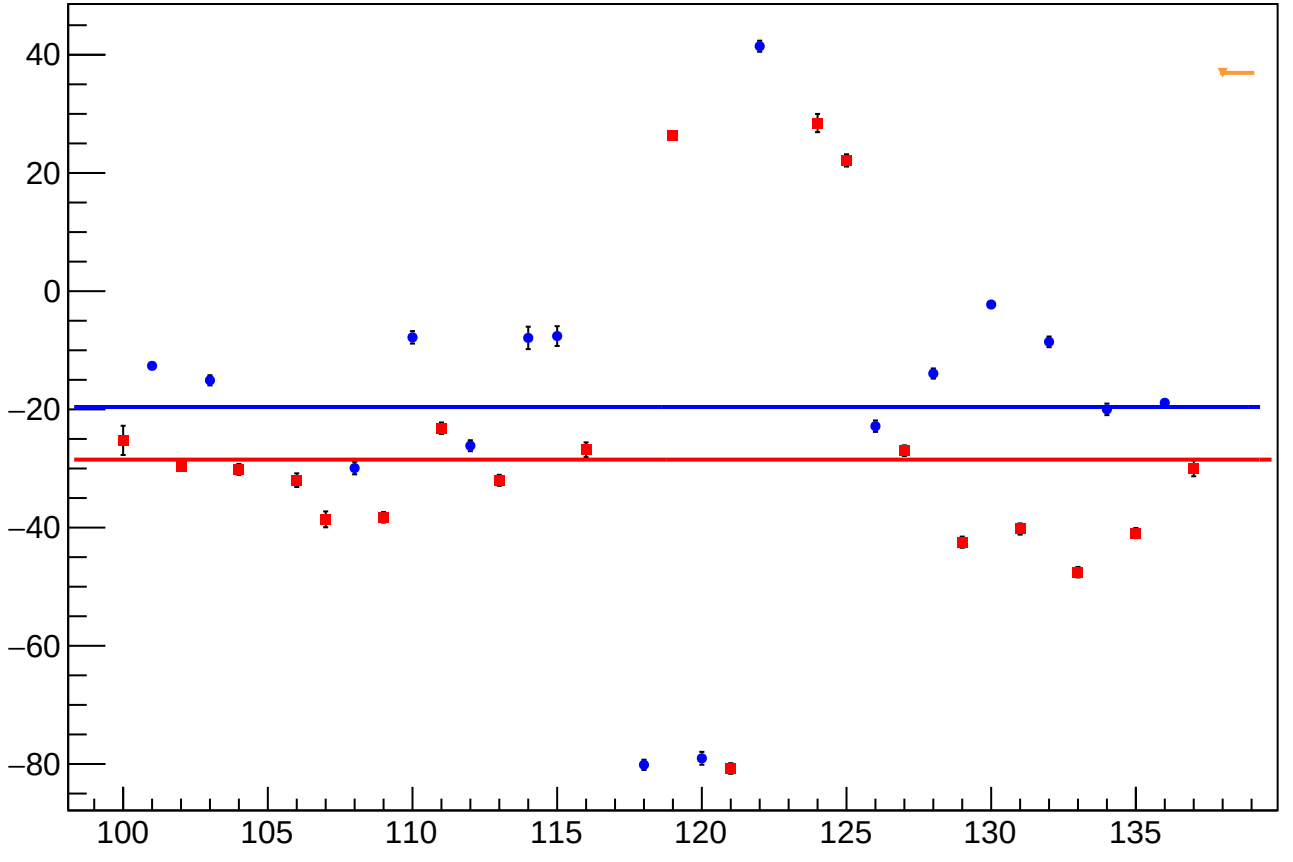
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 937.097+/-0.247 χ^2/NDF:104660.4/15

Out: 936.583+/-0.231 χ^2/NDF:104689.5/19

All: 936.822+/-0.169 χ^2/NDF: 209352.3/35

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 36.941+/-0.717 χ^2/NDF:0.0/0

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 36.941+/-0.717 χ^2/NDF: 0.0/0

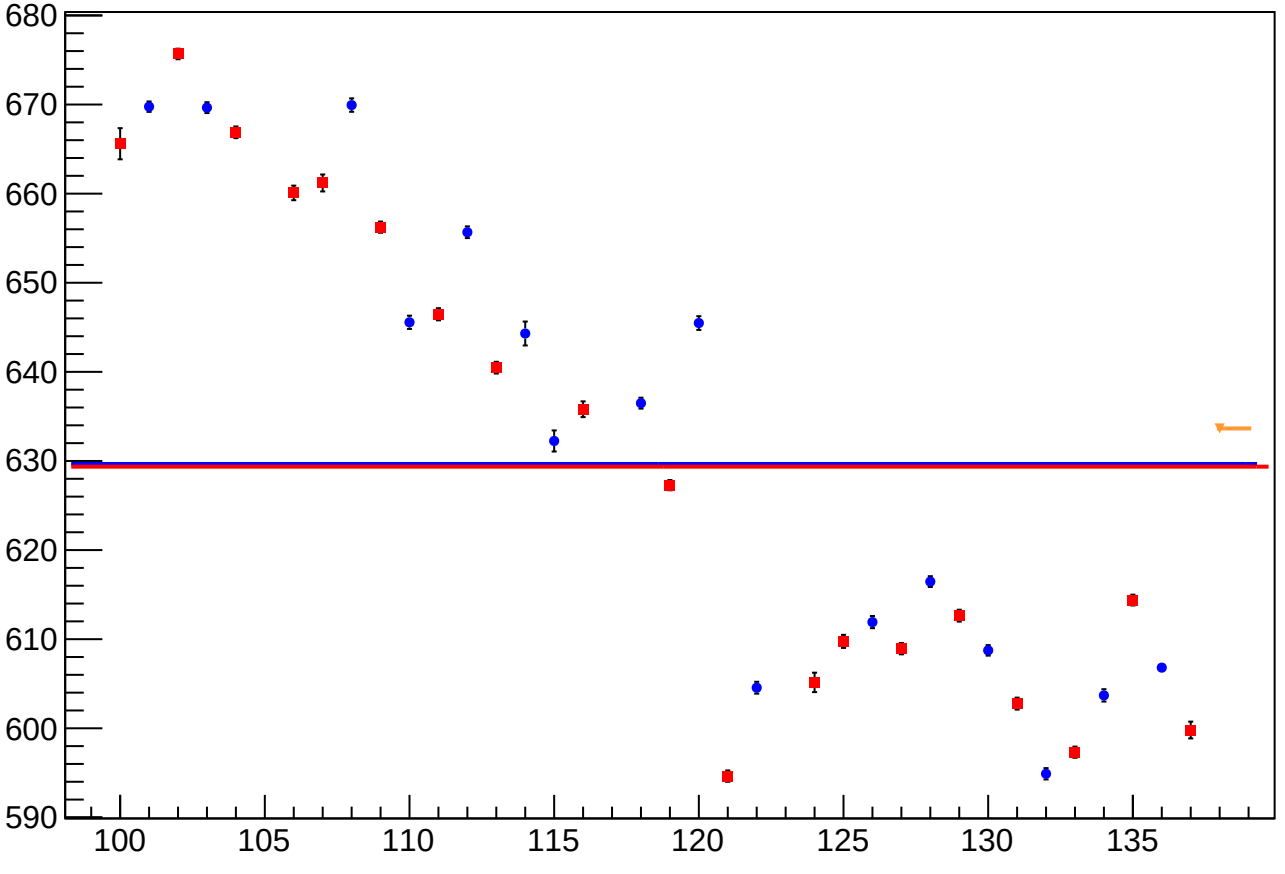
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -19.597+/-0.234 χ^2/NDF:13170.1/15

Out: -22.412+/-0.219 χ^2/NDF:20519.0/19

All: -21.099+/-0.160 χ^2/NDF: 33766.3/35

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 633.650+/-0.507 χ^2/NDF:0.0/0

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

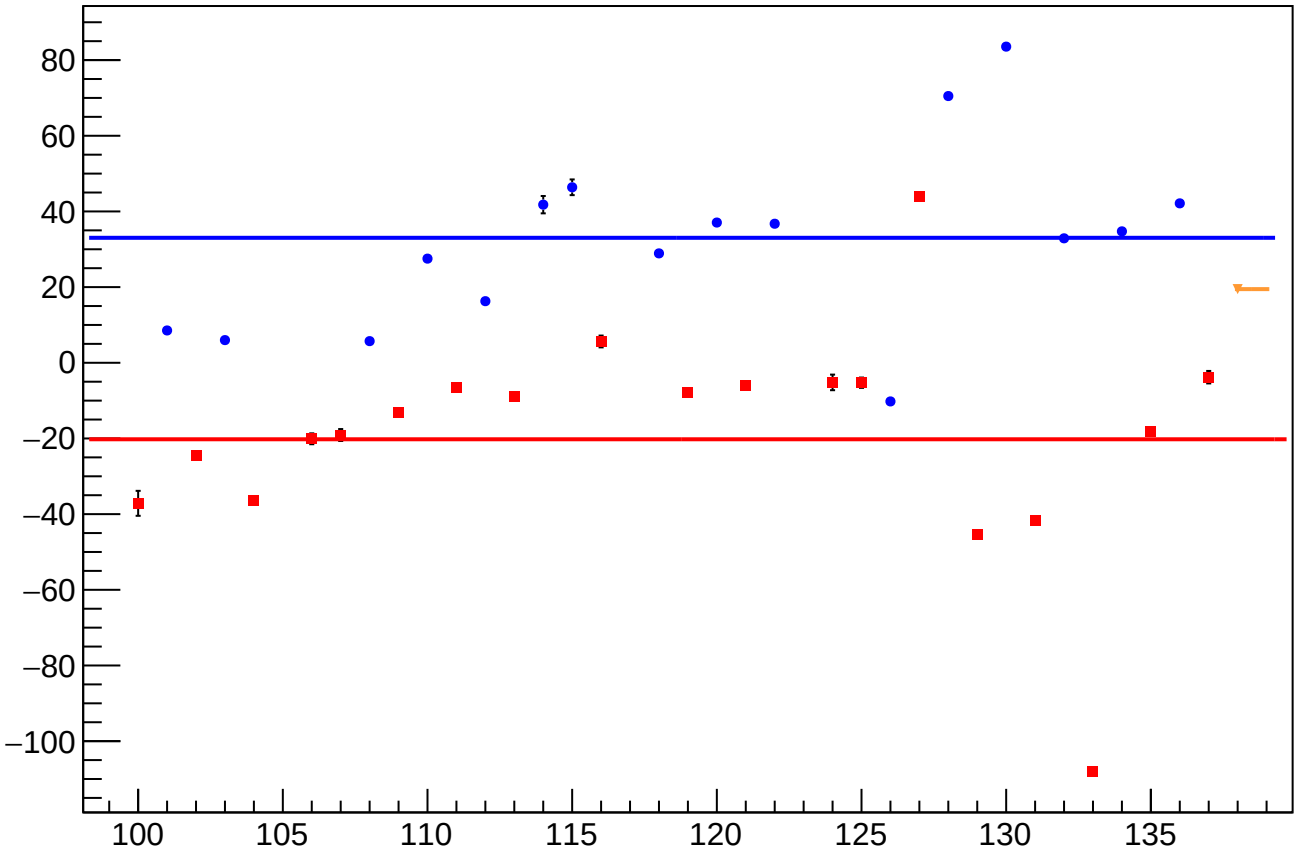
Left: 633.650+/-0.507 χ^2/NDF: 0.0/0

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 629.660+/-0.166 χ^2/NDF:25315.5/15

Out: 629.760+/-0.155 χ^2/NDF:26856.1/19

All: 629.713+/-0.113 χ^2/NDF: 52171.8/35



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 19.469+/-1.093 χ^2/NDF:0.0/0

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 19.469+/-1.093 χ^2/NDF: 0.0/0

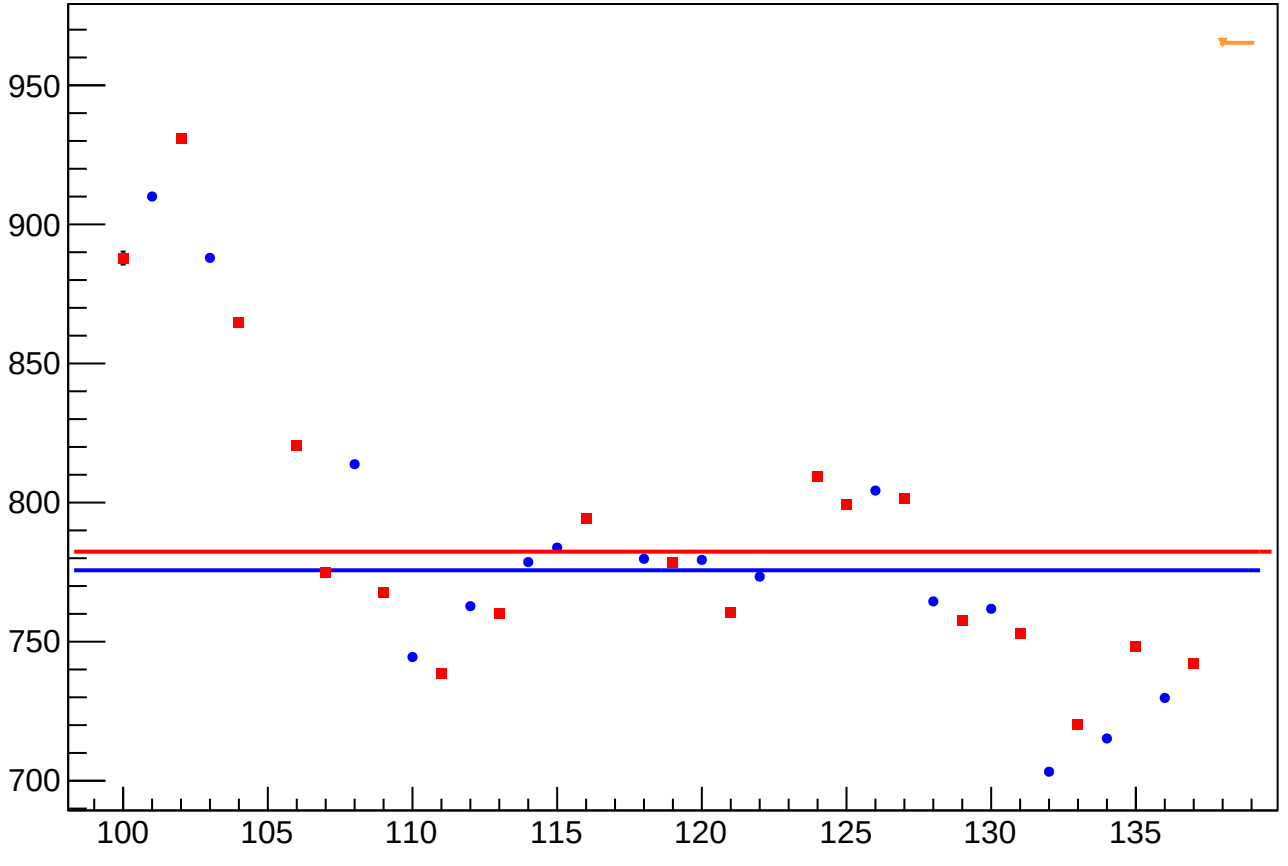
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 33.033+/-0.289 χ^2/NDF:6700.1/15

Out: -17.675+/-0.277 χ^2/NDF:13102.6/19

All: 6.581+/-0.200 χ^2/NDF: 35872.8/35

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 965.272+/-0.773 χ^2/NDF:0.0/0

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 965.272+/-0.773 χ^2/NDF: 0.0/0

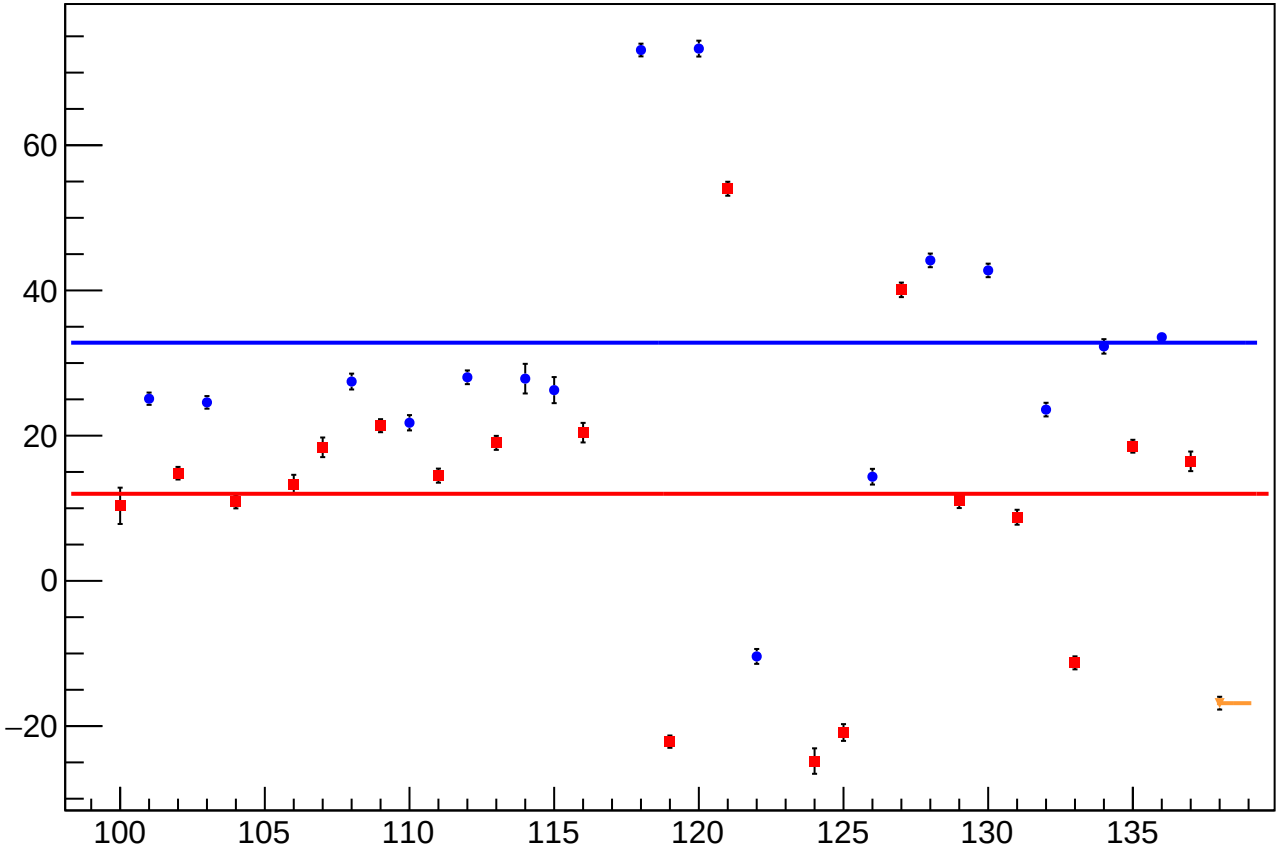
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 775.664+/-0.204 χ^2/NDF:74660.0/15

Out: 794.068+/-0.196 χ^2/NDF:116952.4/19

All: 785.264+/-0.141 χ^2/NDF: 195846.1/35

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -16.845+/-0.883 χ^2/NDF:0.0/0

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -16.845+/-0.883 χ^2/NDF: 0.0/0

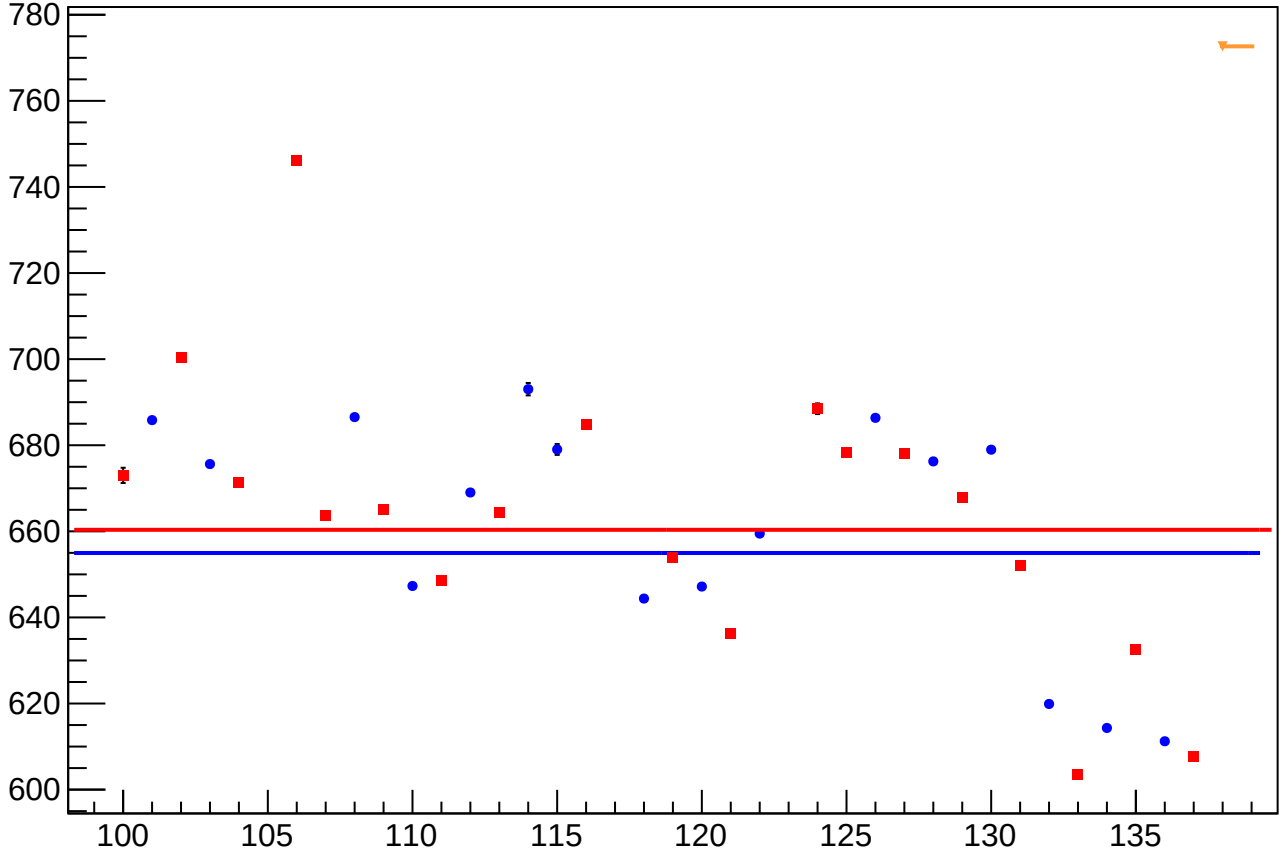
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 32.804+/-0.244 χ^2/NDF:6259.3/15

Out: 9.994+/-0.233 χ^2/NDF:7551.4/19

All: 20.877+/-0.168 χ^2/NDF: 18398.1/35

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 772.661+/-0.625 χ^2/NDF:0.0/0

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 772.661+/-0.625 χ^2/NDF: 0.0/0

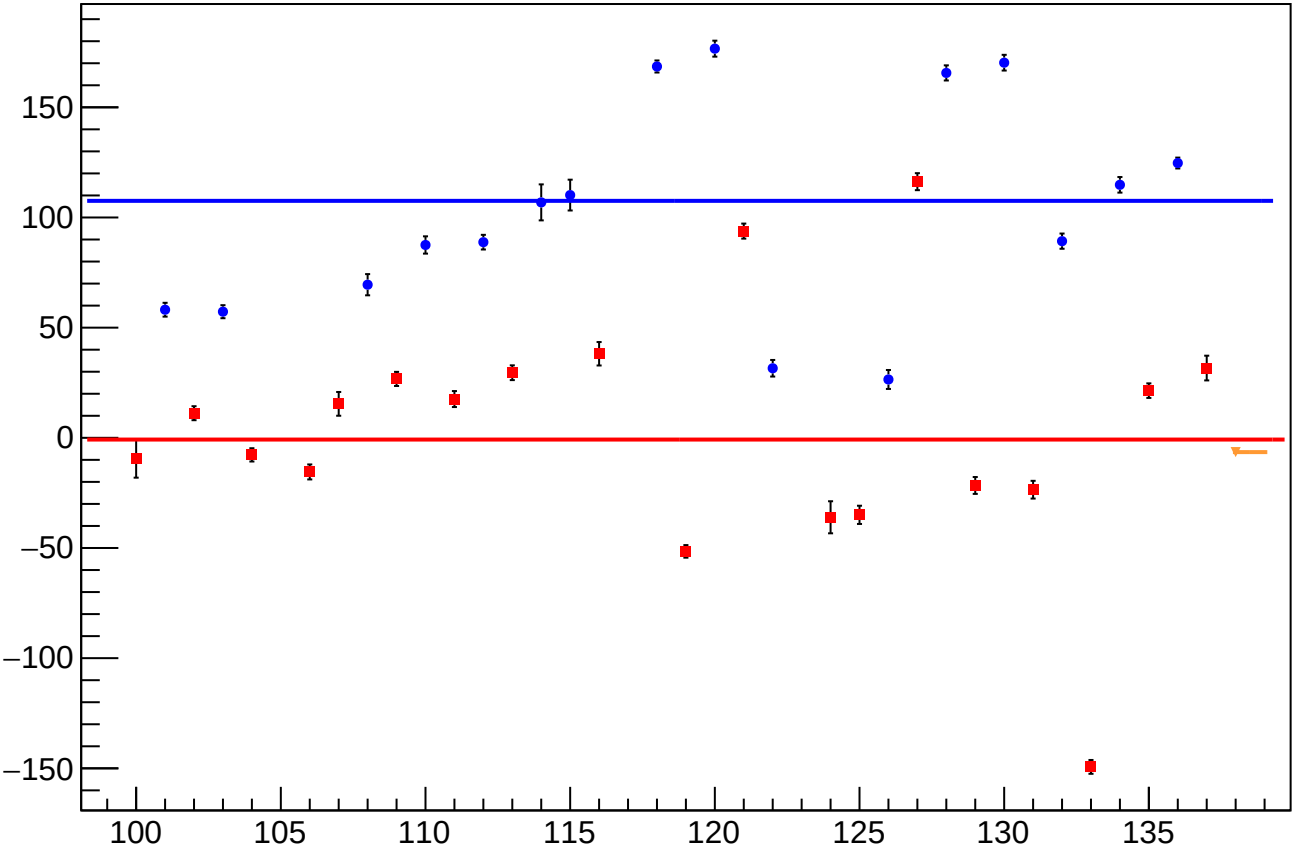
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 654.970+/-0.172 χ^2/NDF:26744.4/15

Out: 668.141+/-0.164 χ^2/NDF:60495.9/19

All: 661.857+/-0.119 χ^2/NDF: 90299.8/35

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: -6.481+/-2.266 χ^2/NDF:0.0/0

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -6.481+/-2.266 χ^2/NDF: 0.0/0

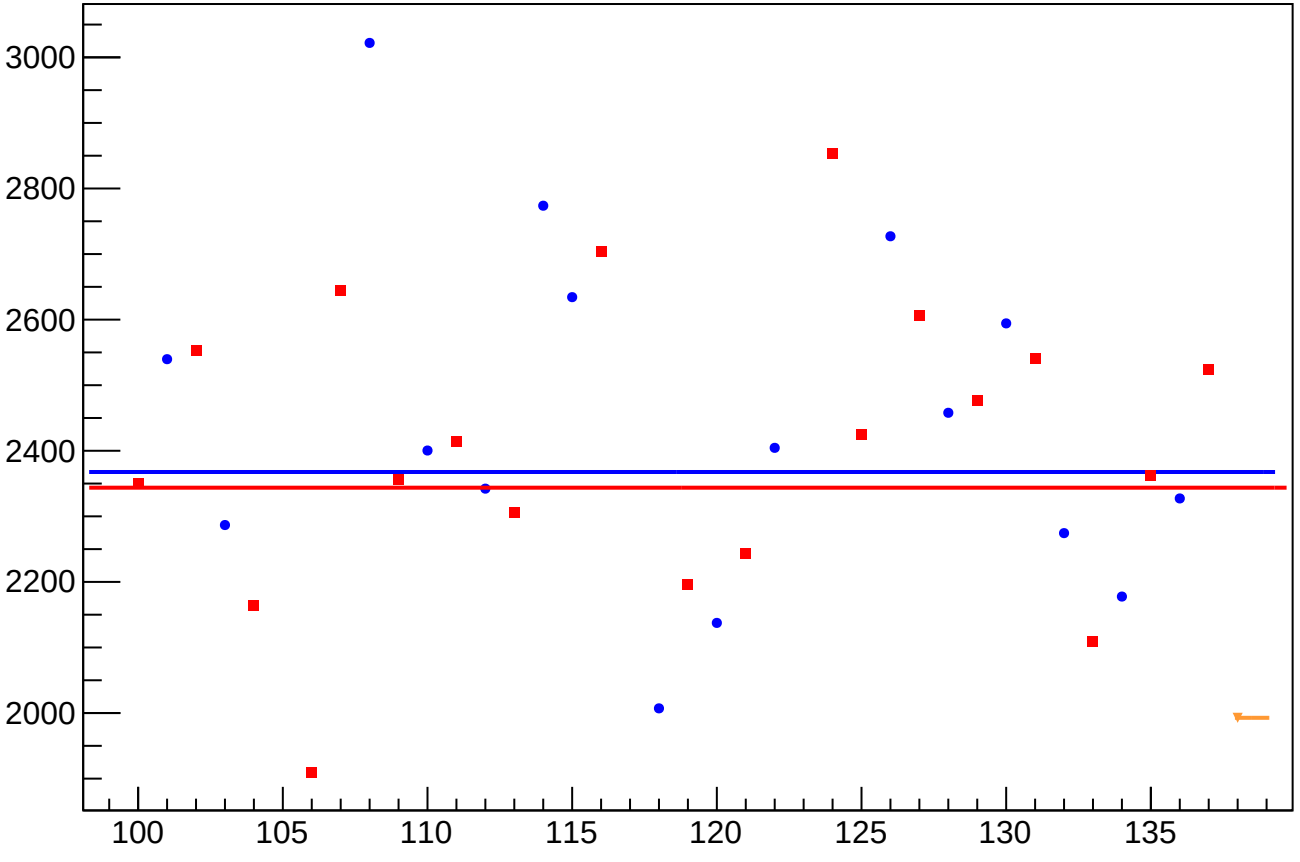
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: 107.548+/-0.885 χ^2/NDF:2955.8/15

Out: -1.506+/-0.805 χ^2/NDF:4769.4/19

All: 47.830+/-0.595 χ^2/NDF: 16033.9/35

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1992.743+/-1.602 χ^2/NDF:0.0/0

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1992.743+/-1.602 χ^2/NDF: 0.0/0

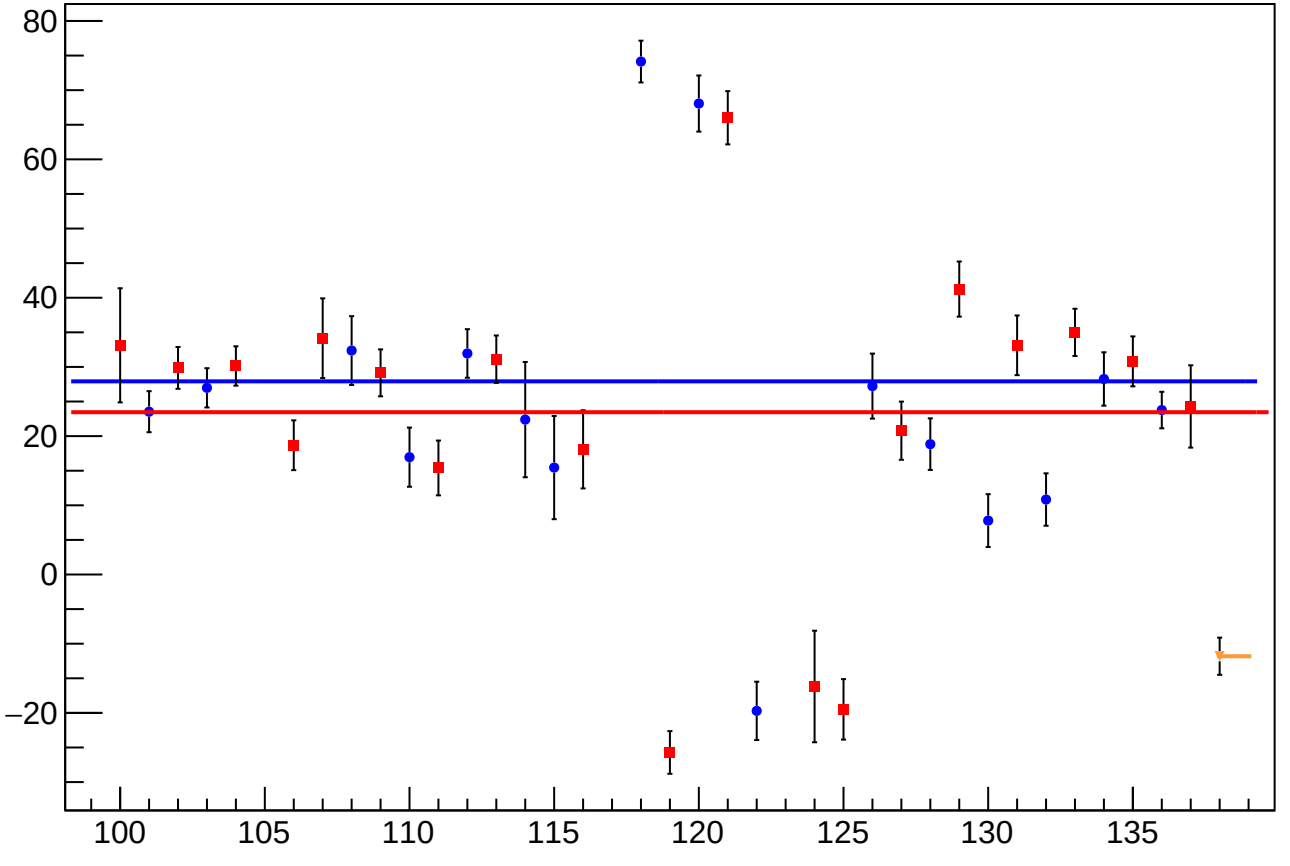
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2367.633+/-0.626 χ^2/NDF:126764.1/15

Out: 2299.439+/-0.569 χ^2/NDF:154203.9/19

All: 2330.290+/-0.421 χ^2/NDF: 287465.8/35

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -11.809+/-2.686 χ^2/NDF:0.0/0

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -11.809+/-2.686 χ^2/NDF: 0.0/0

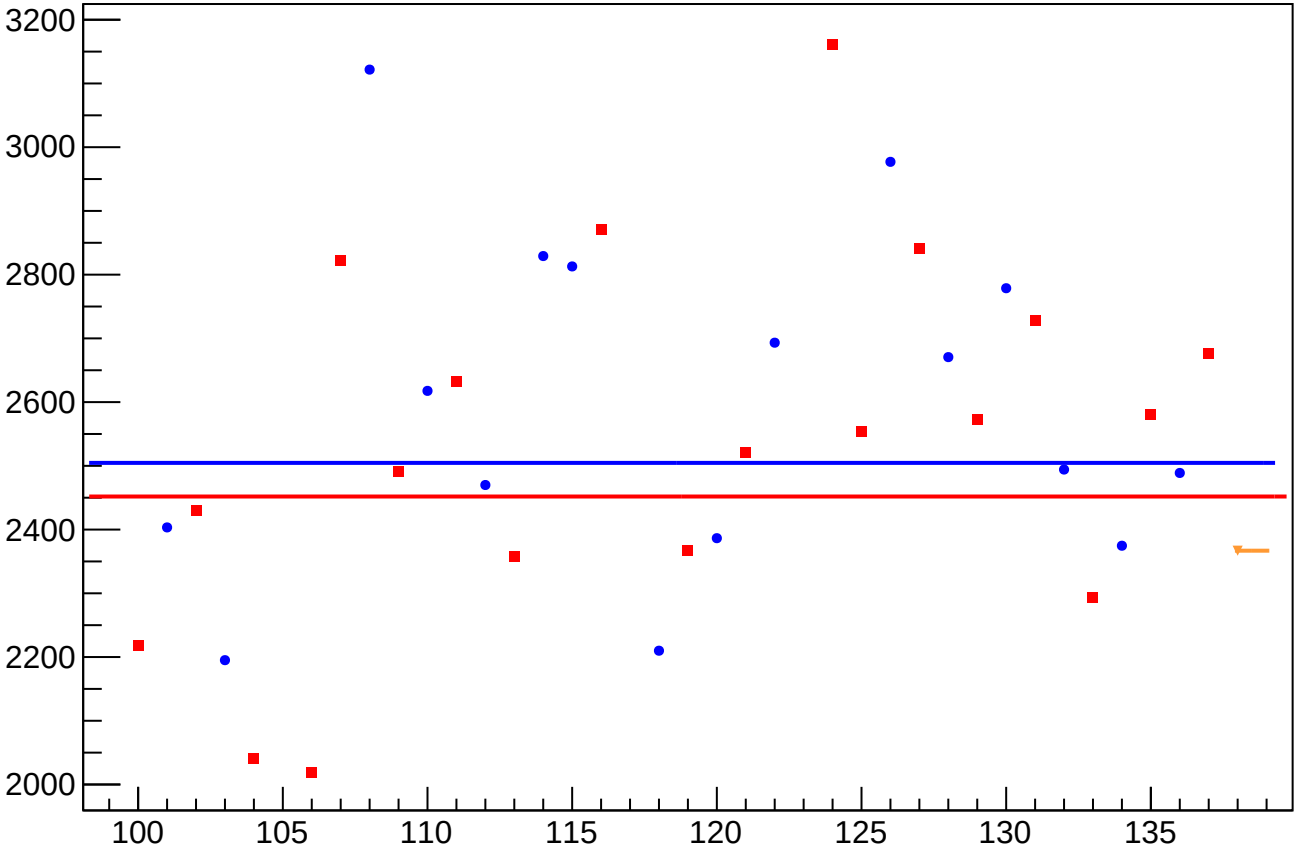
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 27.916+/-0.937 χ^2/NDF:530.7/15

Out: 19.880+/-0.856 χ^2/NDF:722.7/19

All: 23.535+/-0.632 χ^2/NDF: 1293.5/35

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2366.869+/-1.900 χ^2/NDF:0.0/0

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2366.869+/-1.900 χ^2/NDF: 0.0/0

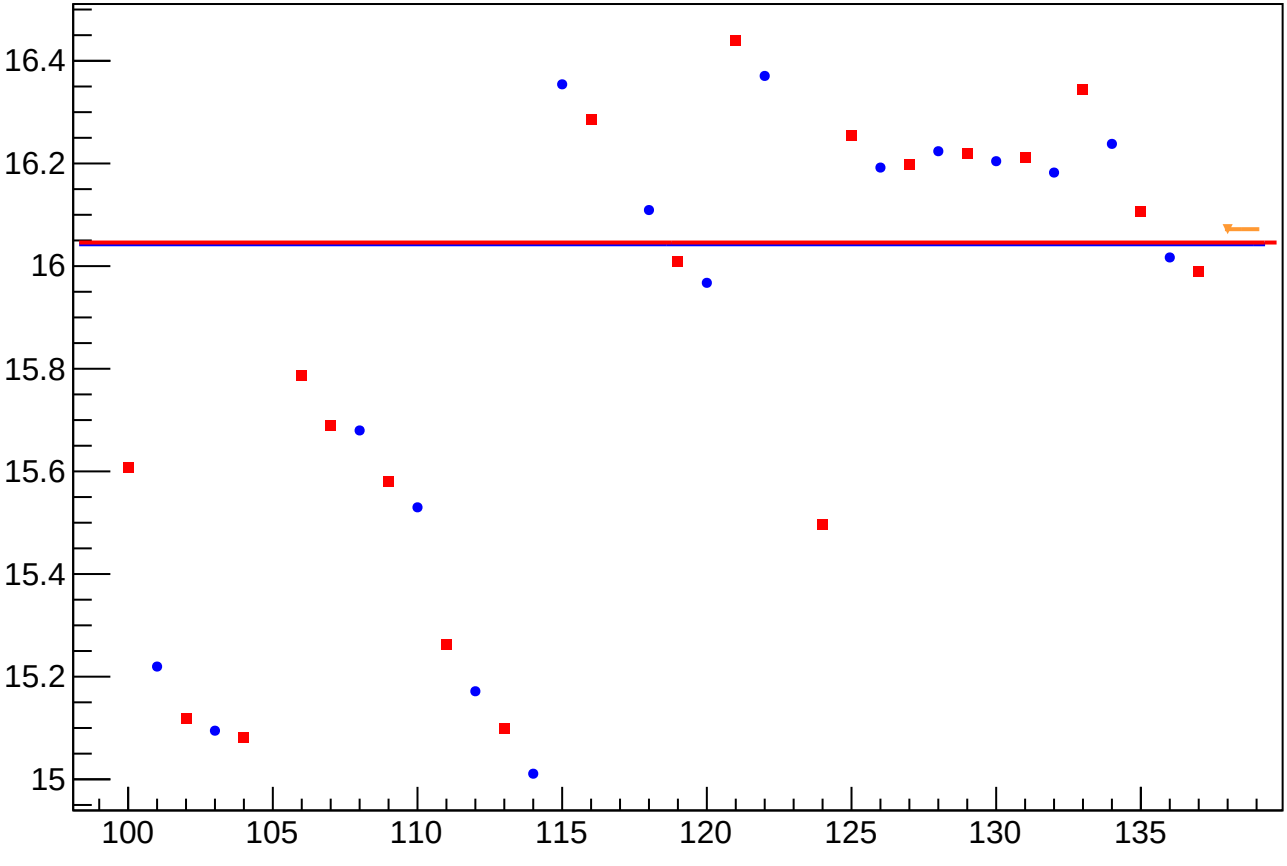
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2504.654+/-0.662 χ^2/NDF:126599.1/15

Out: 2443.256+/-0.605 χ^2/NDF:155036.7/19

All: 2471.181+/-0.447 χ^2/NDF: 286319.9/35

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 16.072+/-0.000 χ^2/NDF:0.0/0

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 16.072+/-0.000 χ^2/NDF: 0.0/0

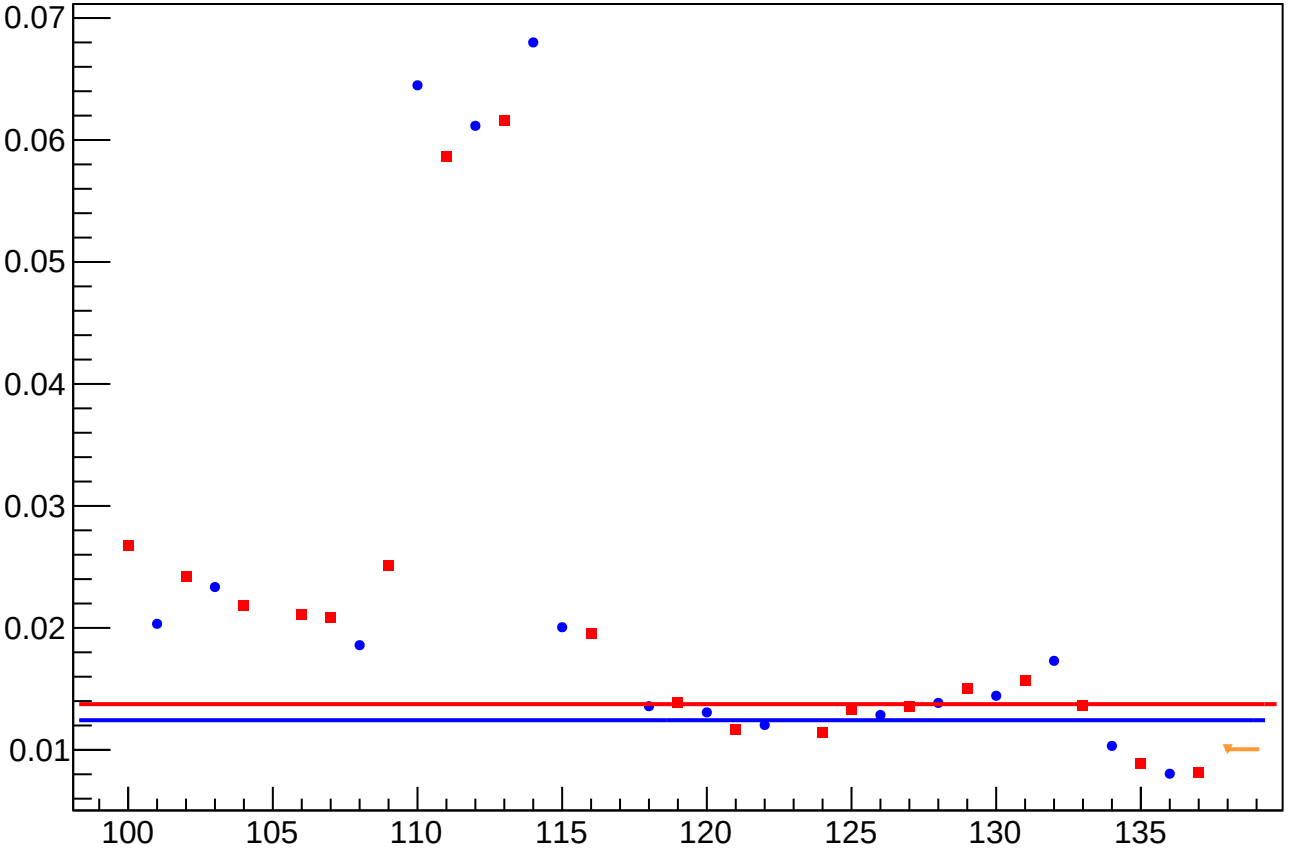
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 16.043+/-0.000 χ^2/NDF:2840540588.4/15

Out: 16.051+/-0.000 χ^2/NDF:3556091483.8/19

All: 16.047+/-0.000 χ^2/NDF: 6397921293.6/3

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:0.0/0

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.000 χ^2/NDF: 0.0/0

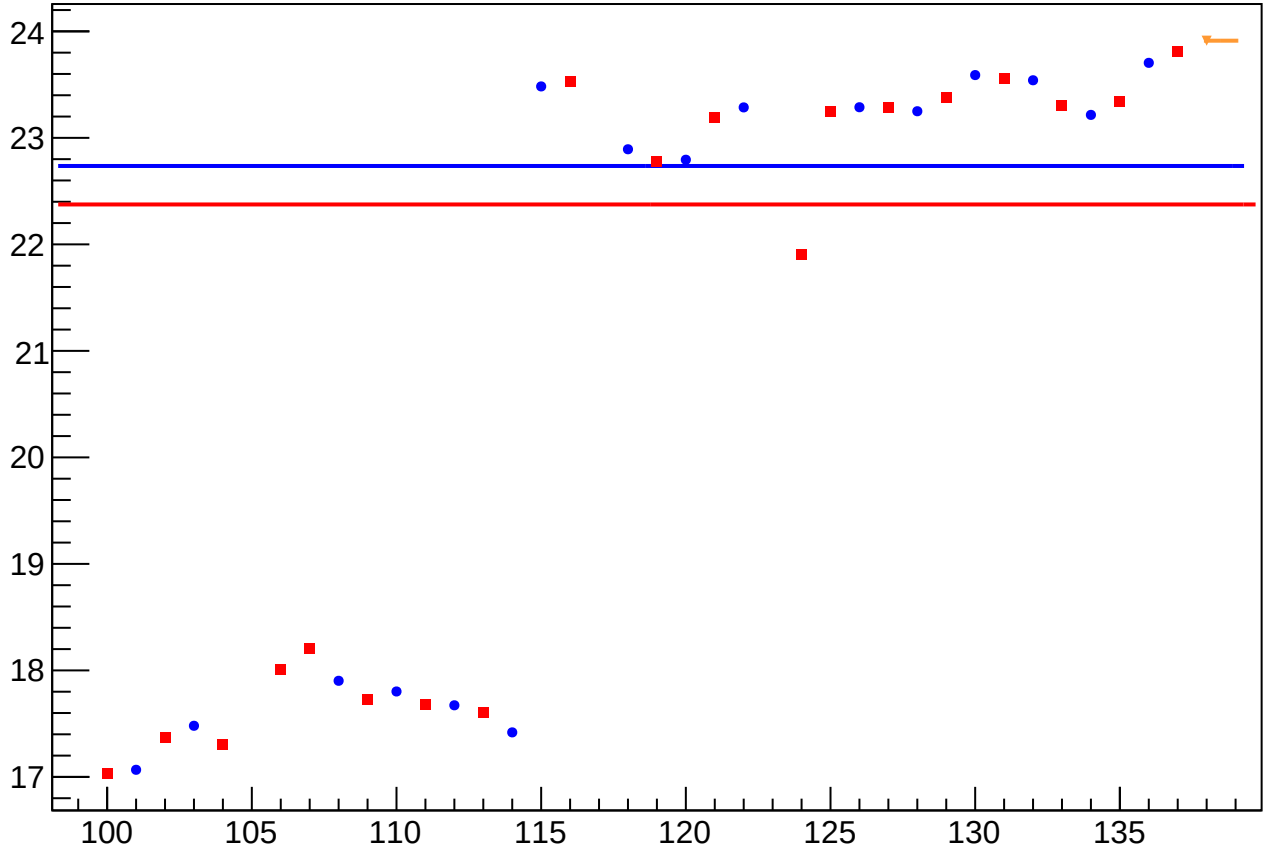
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2316842.7/15

Out: 0.013+/-0.000 χ^2/NDF:2389483.4/19

All: 0.013+/-0.000 χ^2/NDF: 4719595.5/35

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 23.912+/-0.000 χ^2/NDF:0.0/0

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

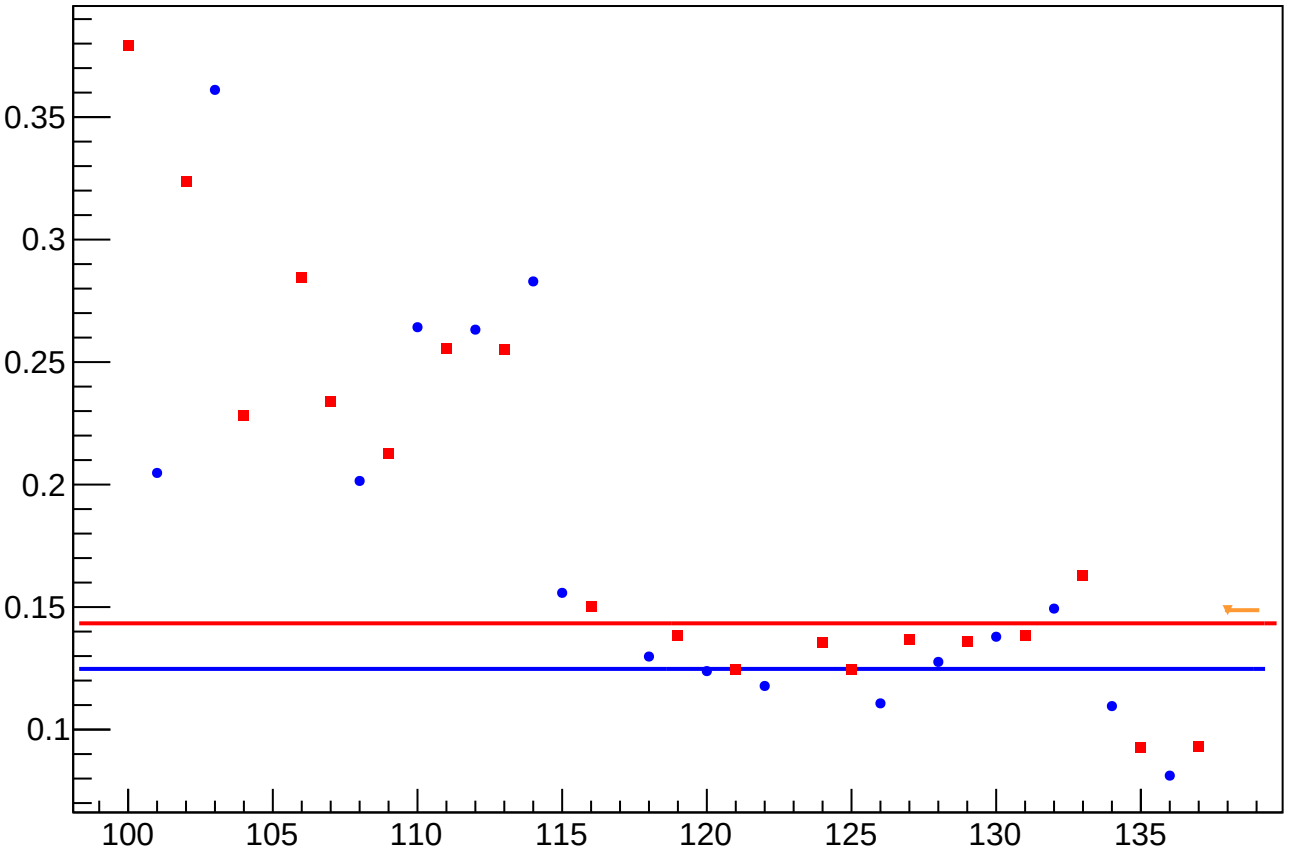
Left: 23.912+/-0.000 χ^2/NDF: 0.0/0

Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 22.736+/-0.000 χ^2/NDF:1220713728.0/15

Out: 22.530+/-0.000 χ^2/NDF:1282388407.7/19

All: 22.638+/-0.000 χ^2/NDF: 2510031852.2/3



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.149+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.149+/-0.000 χ^2/NDF: 0.0/0

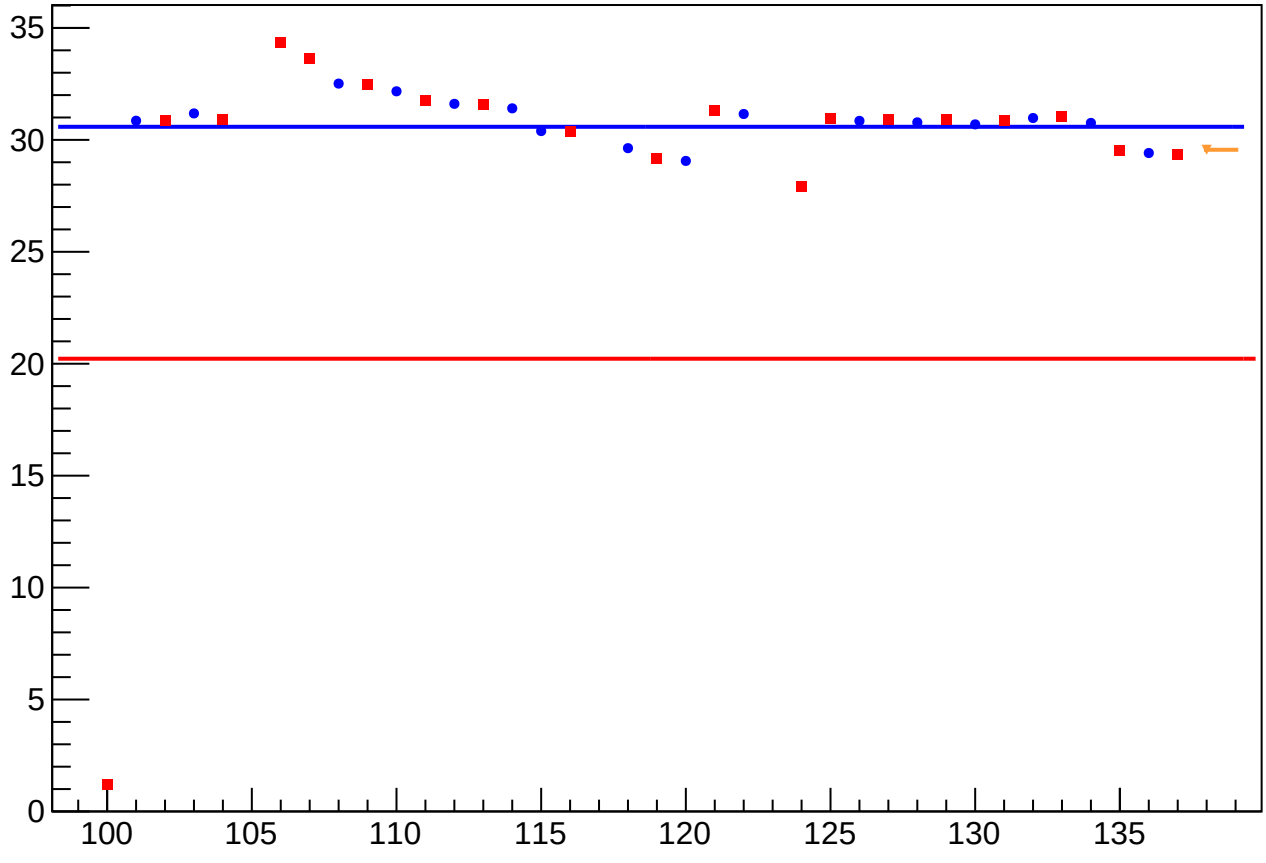
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.125+/-0.000 χ^2/NDF:1749818.7/15

Out: 0.144+/-0.000 χ^2/NDF:1571730.8/19

All: 0.134+/-0.000 χ^2/NDF: 3441225.5/35

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.558+/-0.000 χ^2/NDF:0.0/0

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 29.558+/-0.000 χ^2/NDF: 0.0/0

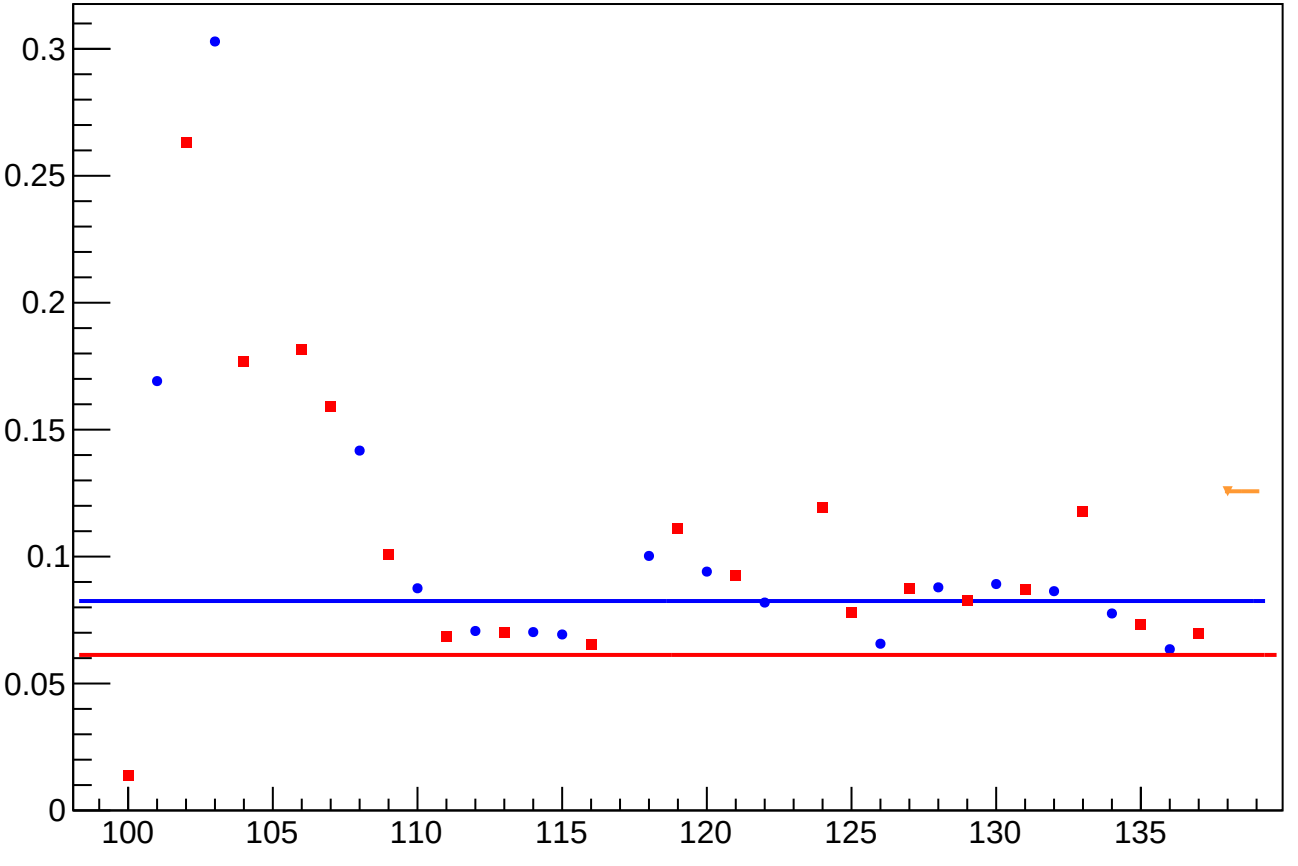
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.585+/-0.000 χ^2/NDF:652266844.4/15

Out: 20.564+/-0.000 χ^2/NDF:224717242471.7/19

All: 24.639+/-0.000 χ^2/NDF: 271478085853.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.126+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.126+/-0.000 χ^2/NDF: 0.0/0

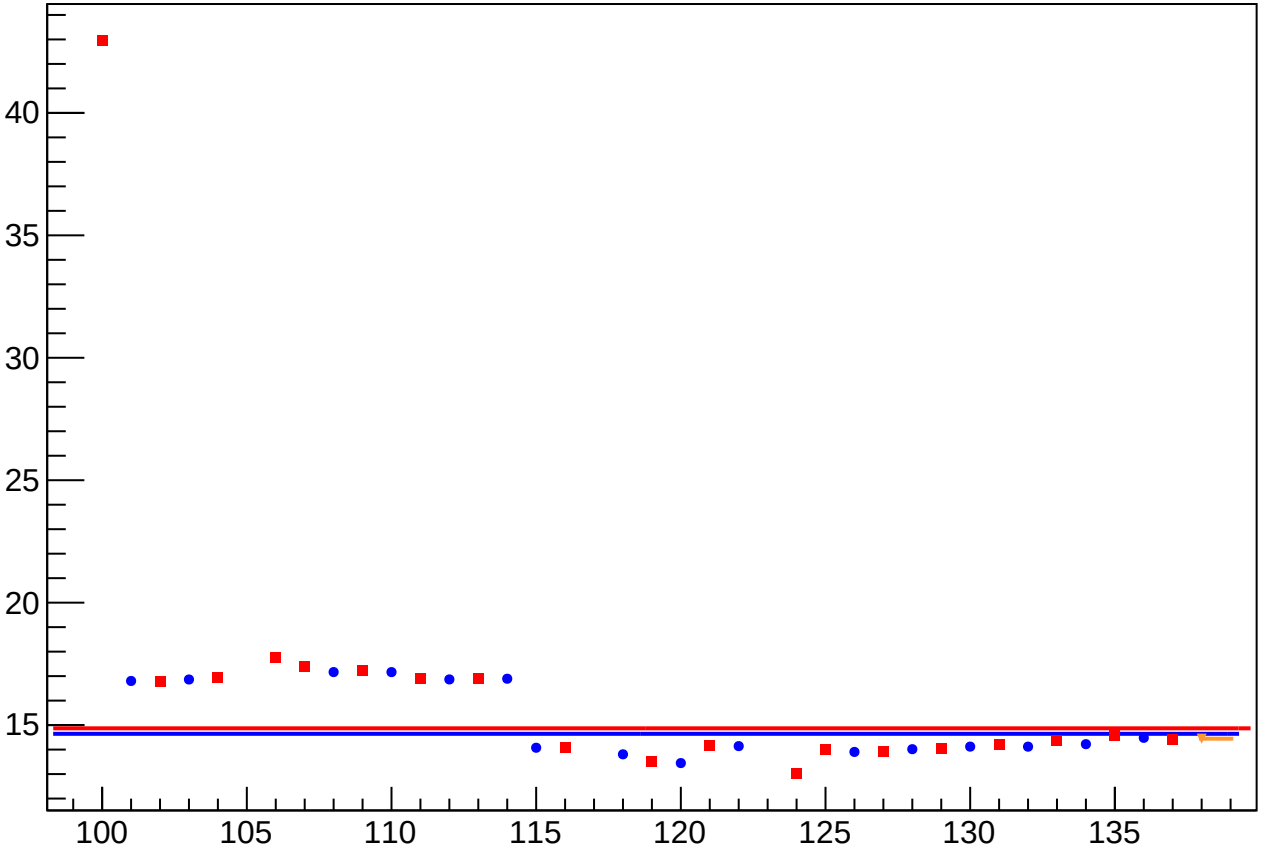
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.082+/-0.000 χ^2/NDF:1261492.7/15

Out: 0.064+/-0.000 χ^2/NDF:4343835.5/19

All: 0.071+/-0.000 χ^2/NDF: 5932876.2/35

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 14.446+/-0.000 χ^2/NDF:0.0/0

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 14.446+/-0.000 χ^2/NDF: 0.0/0

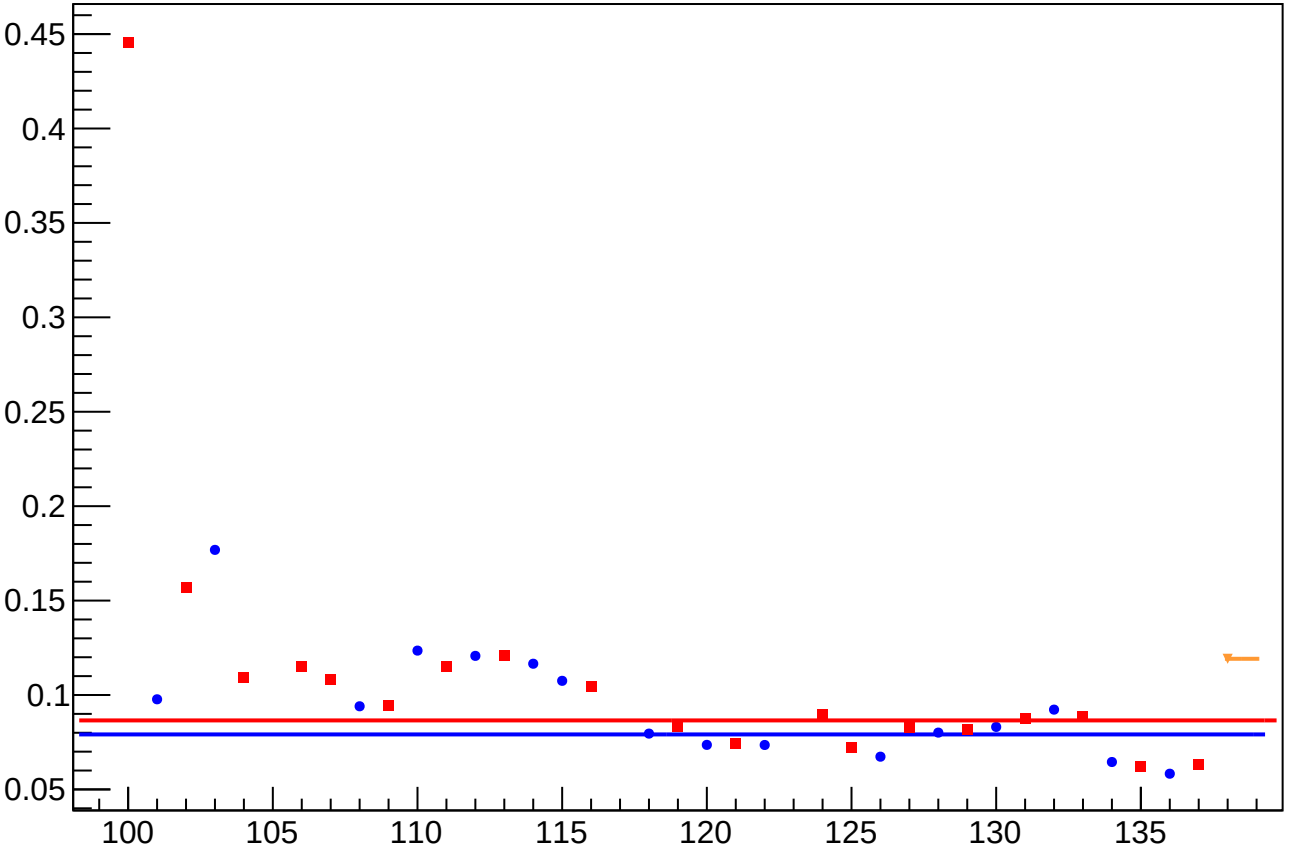
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 14.644+/-0.000 χ^2/NDF:1193913109.5/15

Out: 14.844+/-0.000 χ^2/NDF:1738508692.0/19

All: 14.740+/-0.000 χ^2/NDF: 2950377380.0/3

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.119+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.119+/-0.000 χ^2/NDF: 0.0/0

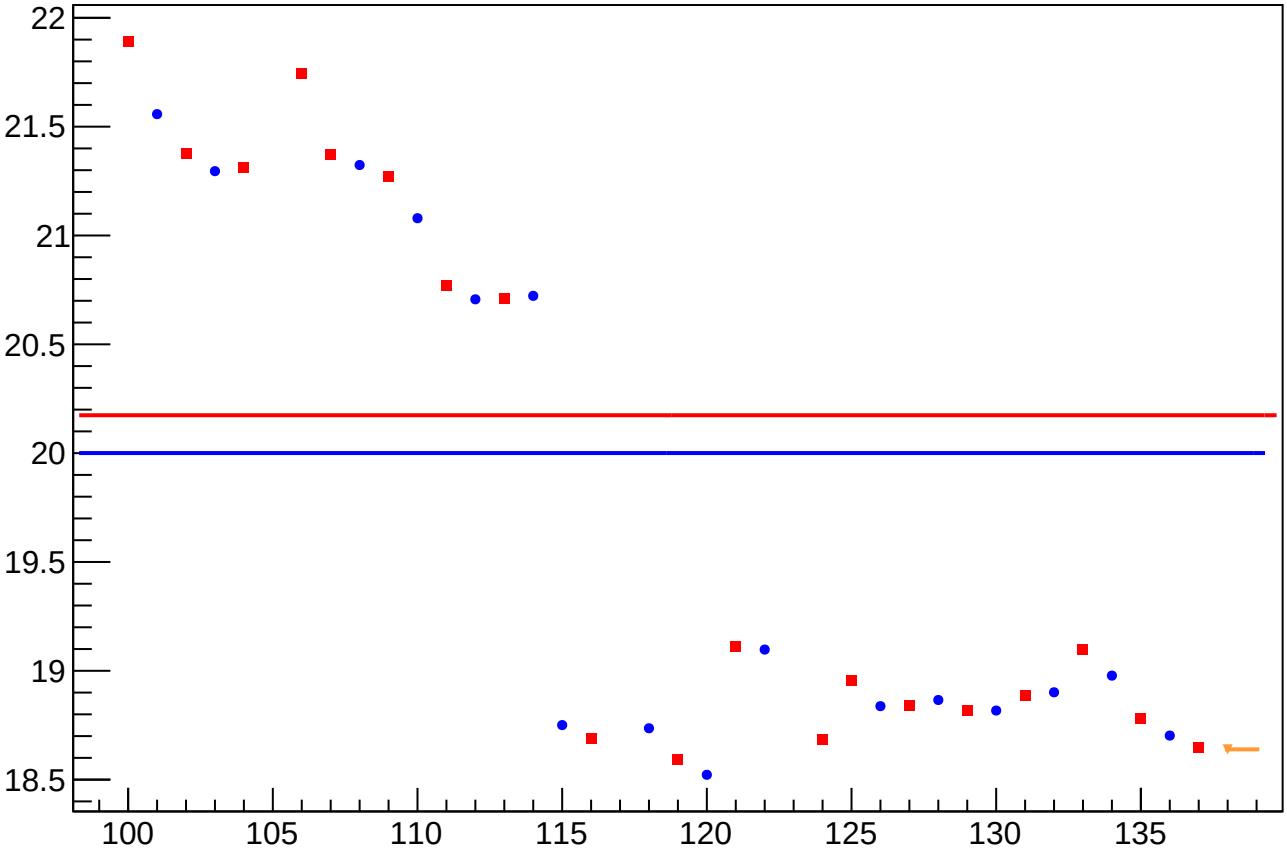
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.079+/-0.000 χ^2/NDF:918198.7/15

Out: 0.088+/-0.000 χ^2/NDF:894300.8/19

All: 0.084+/-0.000 χ^2/NDF: 1890721.2/35

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.639+/-0.000 χ^2/NDF:0.0/0

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 18.639+/-0.000 χ^2/NDF: 0.0/0

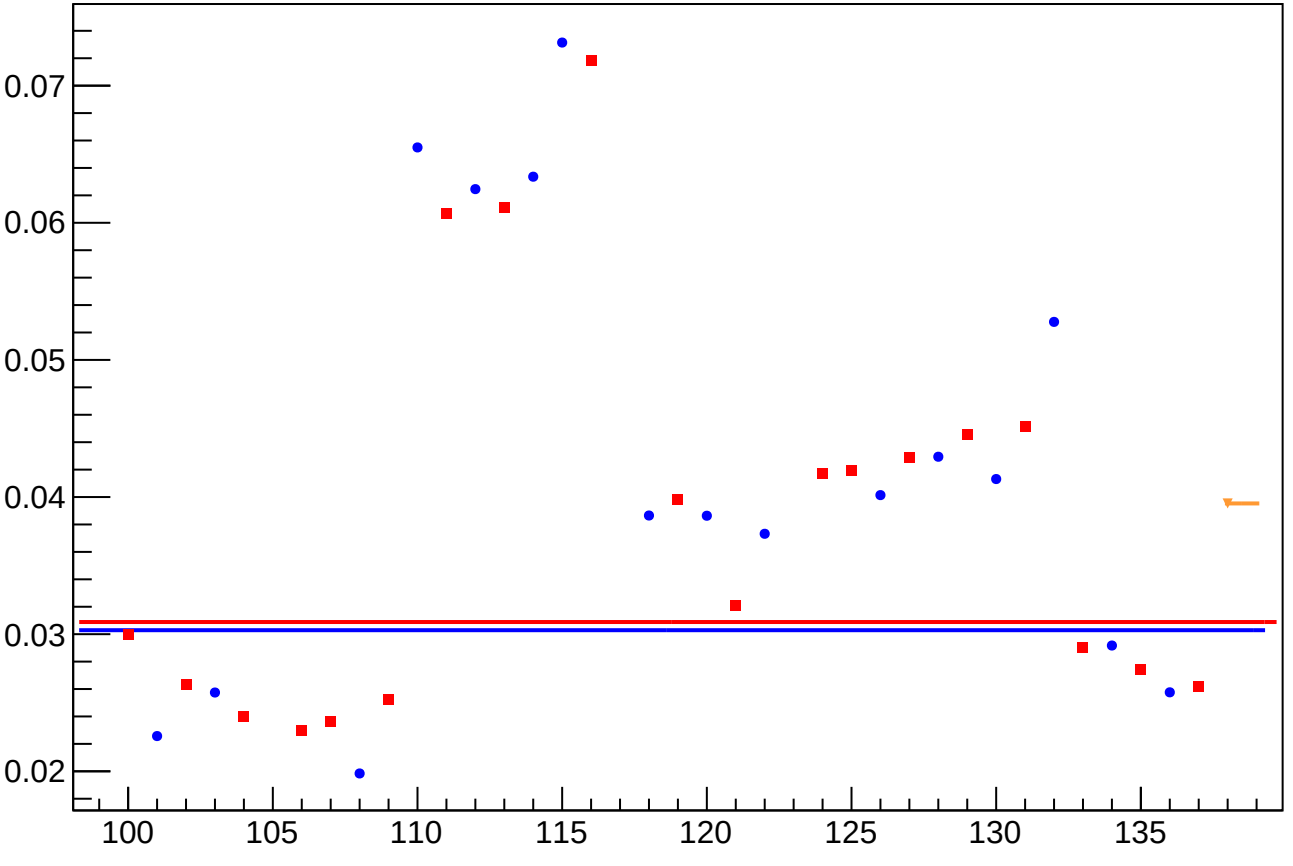
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 20.001+/-0.000 χ^2/NDF:10878846617.7/15

Out: 20.070+/-0.000 χ^2/NDF:11464102431.0/19

All: 20.037+/-0.000 χ^2/NDF: 22359426929.6

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.040+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.040+/-0.000 χ^2/NDF: 0.0/0

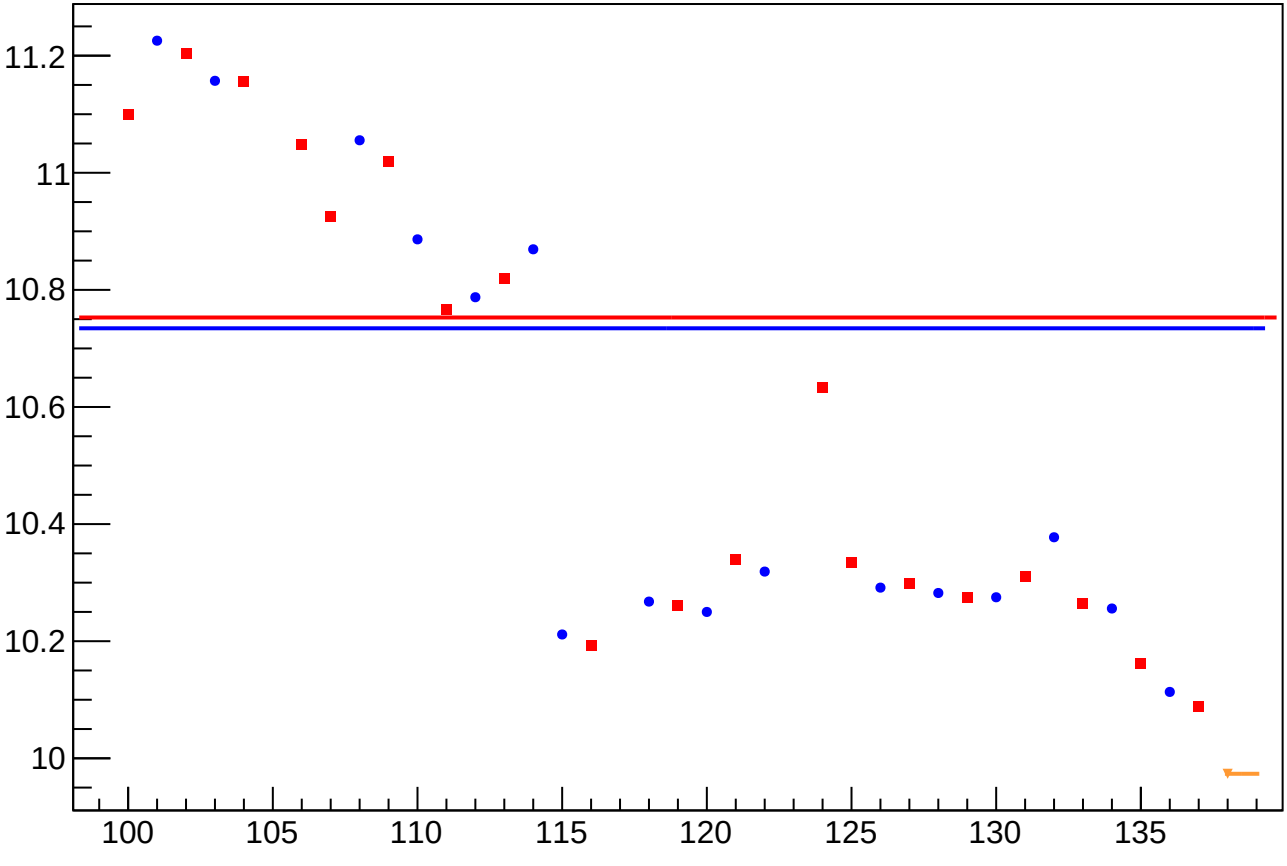
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.030+/-0.000 χ^2/NDF:1447374.9/15

Out: 0.031+/-0.000 χ^2/NDF:1270585.1/19

All: 0.031+/-0.000 χ^2/NDF: 2727347.7/35

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.974+/-0.000 χ^2/NDF:0.0/0

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9.974+/-0.000 χ^2/NDF: 0.0/0

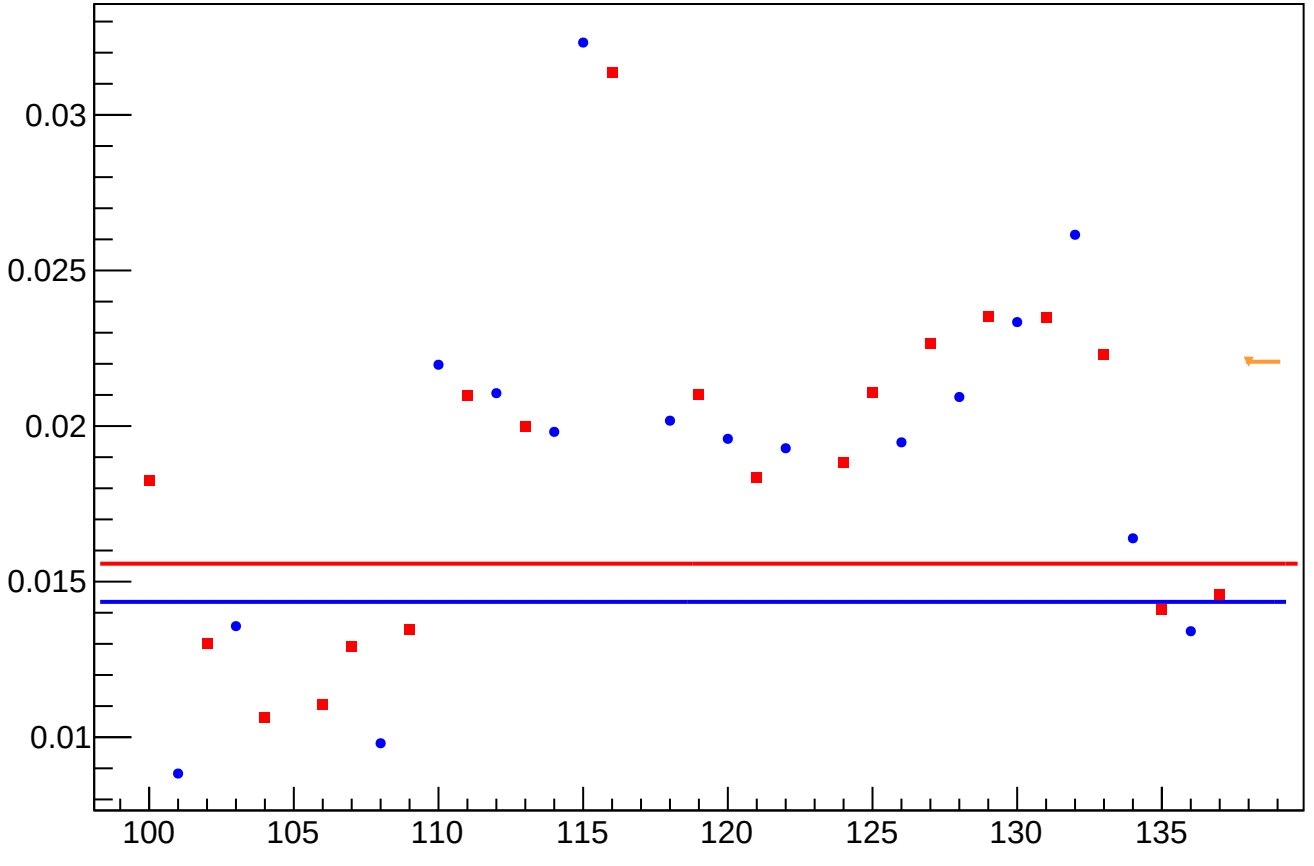
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.734+/-0.000 χ^2/NDF:5879444478.4/15

Out: 10.711+/-0.000 χ^2/NDF:5184575856.4/19

All: 10.723+/-0.000 χ^2/NDF: 11071771361.0

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.022+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.022+/-0.000 χ^2/NDF: 0.0/0

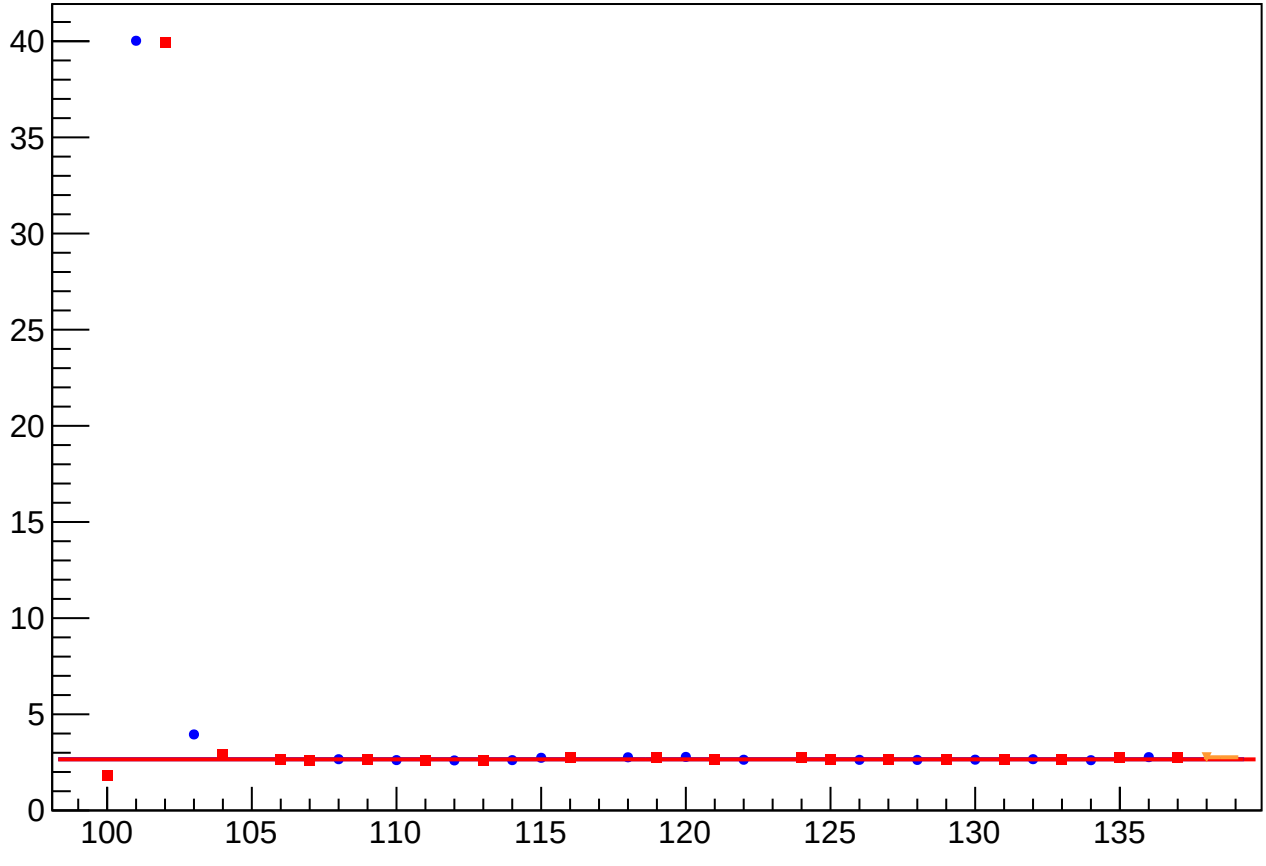
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.014+/-0.000 χ^2/NDF:1481790.8/15

Out: 0.016+/-0.000 χ^2/NDF:1188562.7/19

All: 0.015+/-0.000 χ^2/NDF: 2738419.9/35

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.765+/-0.000 χ^2/NDF:0.0/0

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2.765+/-0.000 χ^2/NDF: 0.0/0

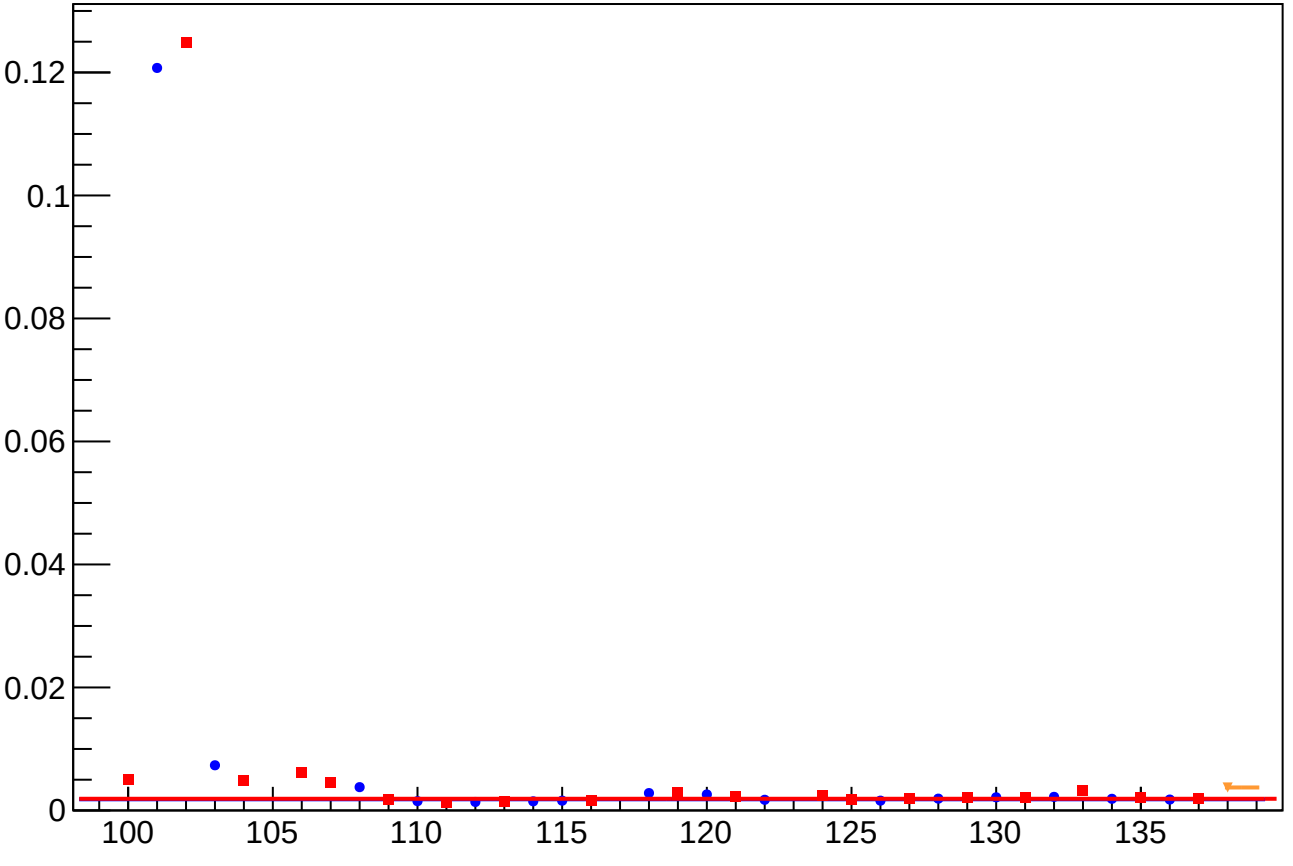
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.664+/-0.000 χ^2/NDF:67839888284.3/15

Out: 2.660+/-0.000 χ^2/NDF:65632823651.1/19

All: 2.662+/-0.000 χ^2/NDF: 133481631543.5

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 0.0/0

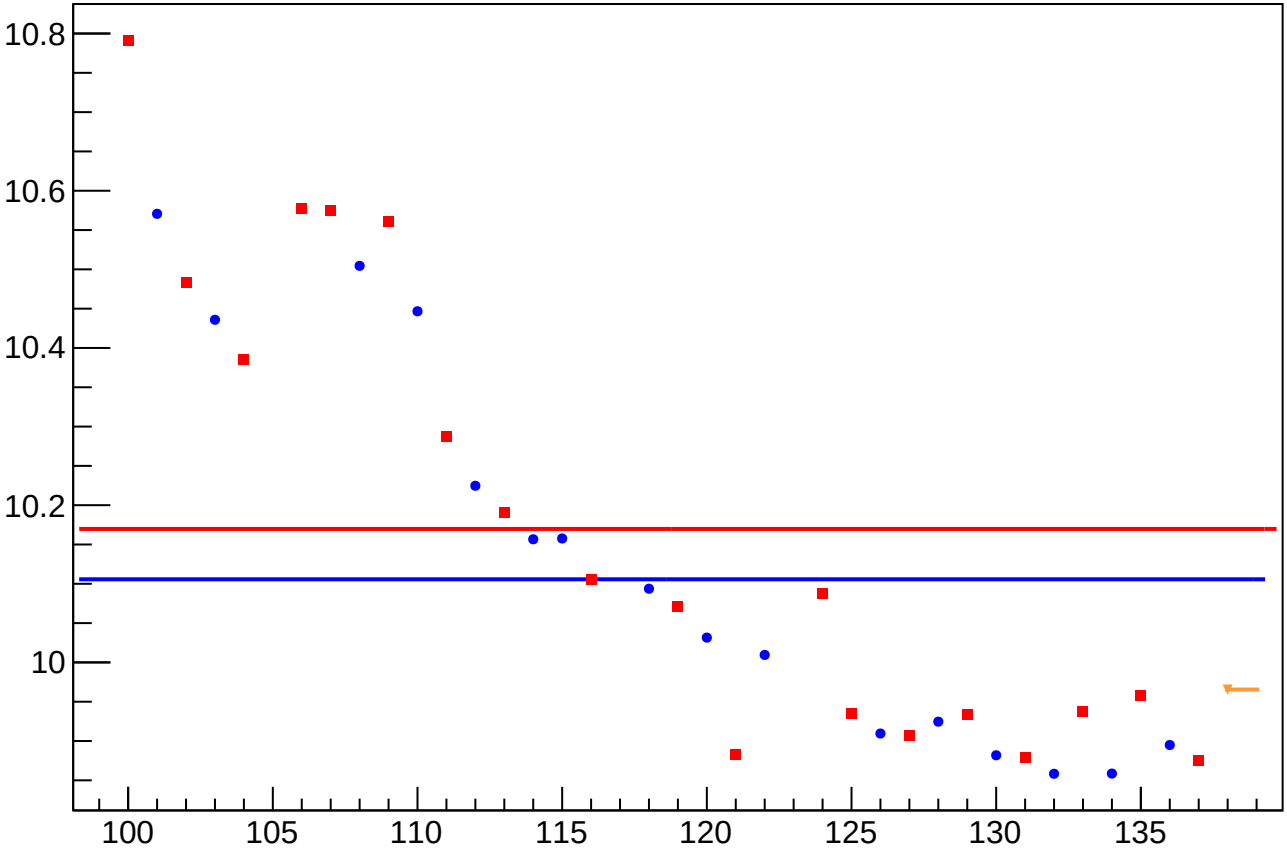
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:1822680.9/15

Out: 0.002+/-0.000 χ^2/NDF:2855577.0/19

All: 0.002+/-0.000 χ^2/NDF: 4710331.0/35

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.965+/-0.000 χ^2/NDF:0.0/0

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9.965+/-0.000 χ^2/NDF: 0.0/0

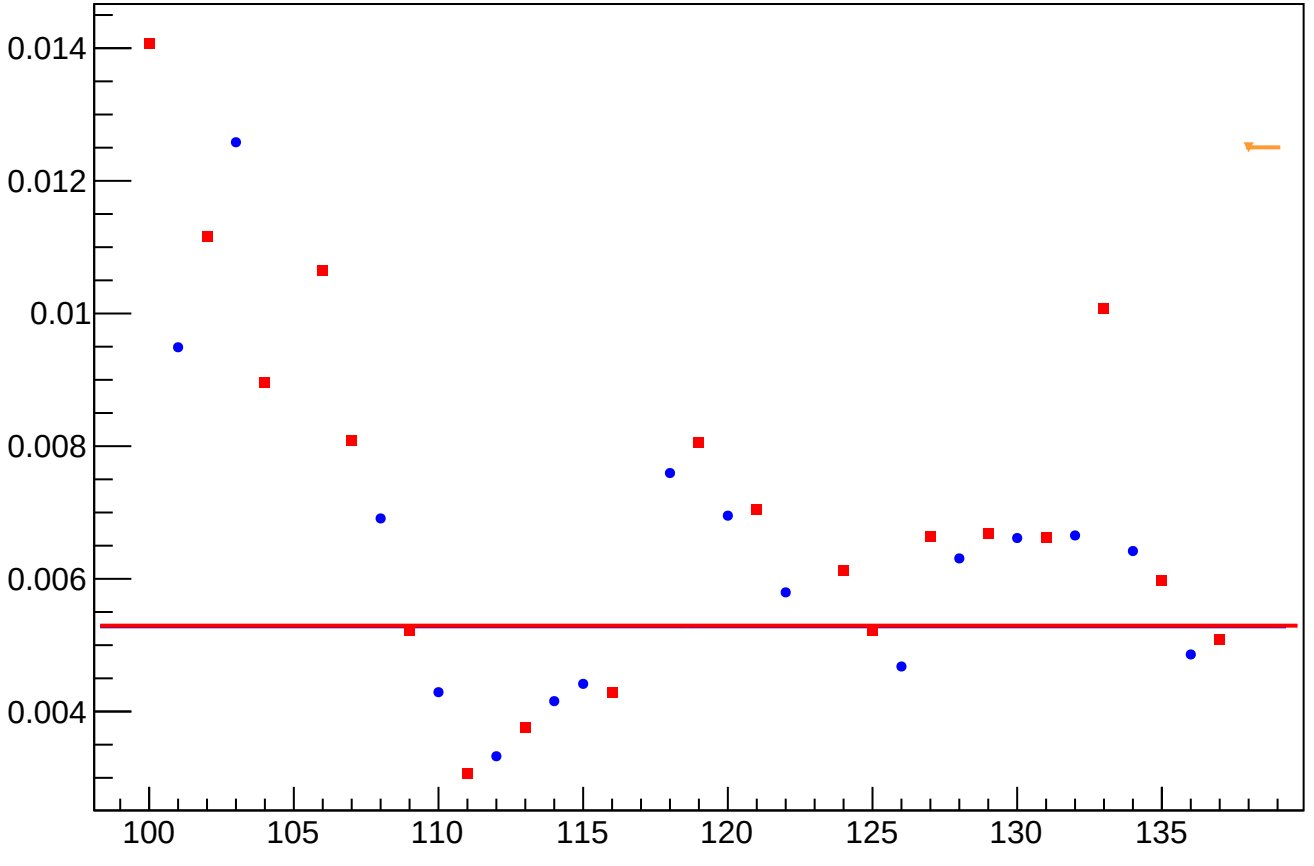
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 10.106+/-0.000 χ^2/NDF:9126550621.3/15

Out: 10.165+/-0.000 χ^2/NDF:9317576377.7/19

All: 10.136+/-0.000 χ^2/NDF: 18793691256.2

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.013+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.000 χ^2/NDF: 0.0/0

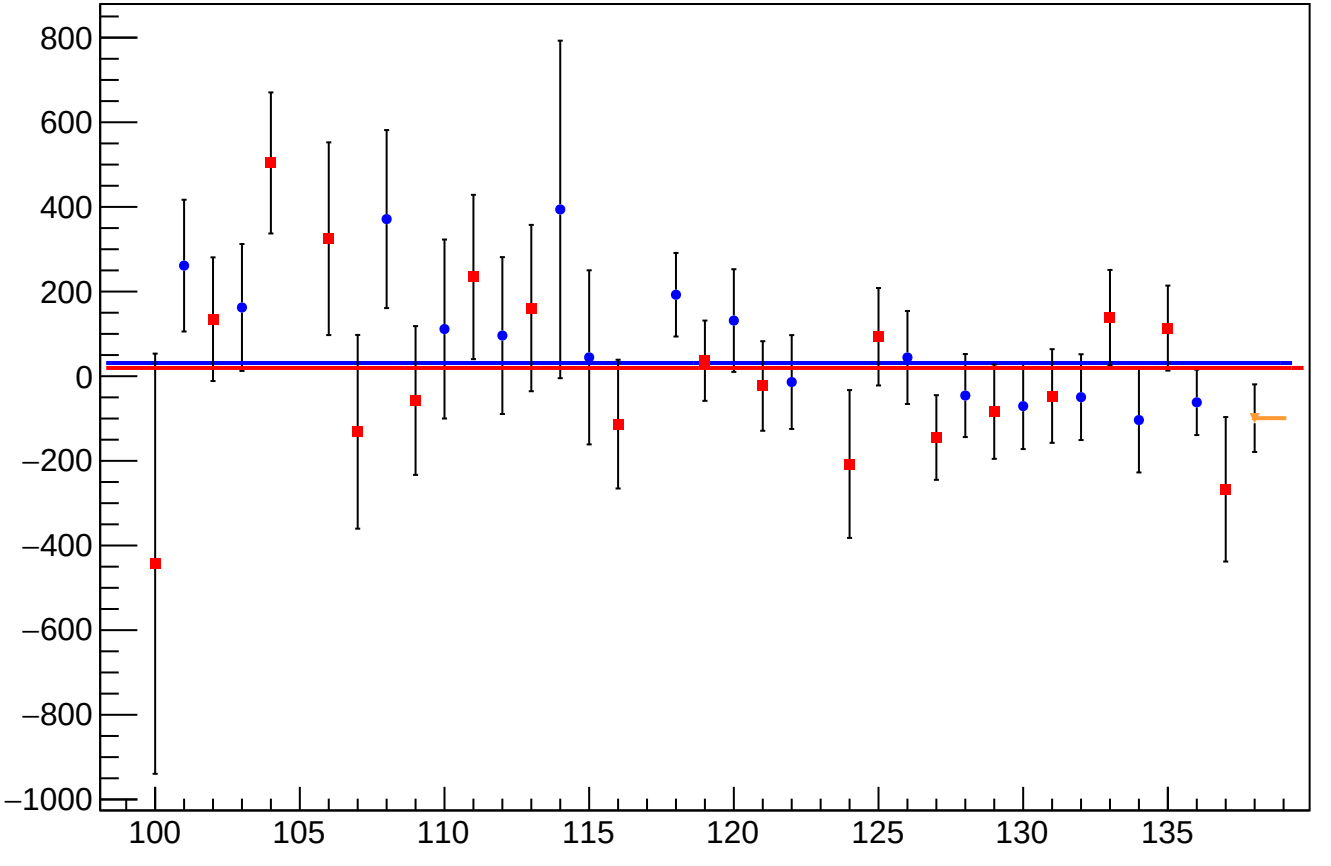
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.005+/-0.000 χ^2/NDF:1274133.0/15

Out: 0.005+/-0.000 χ^2/NDF:2245593.6/19

All: 0.005+/-0.000 χ^2/NDF: 3525373.6/35

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -99.104+/-79.875 χ^2/NDF:0.0/0

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -99.104+/-79.875 χ^2/NDF: 0.0/0

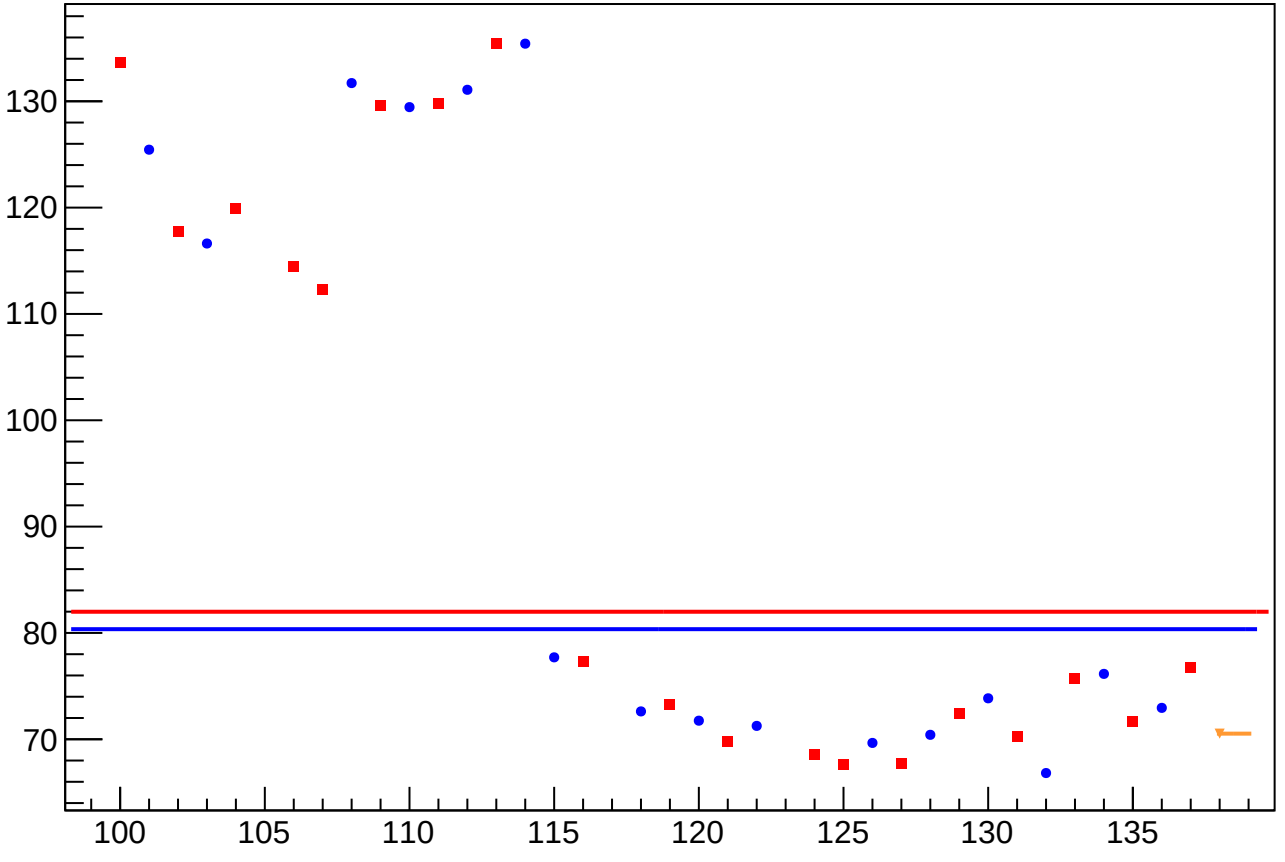
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: 31.249+/-30.786 χ^2/NDF:15.1/15

Out: 3.986+/-28.947 χ^2/NDF:27.8/19

All: 16.779+/-21.089 χ^2/NDF: 43.3/35

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 70.529+/-0.056 χ^2/NDF:0.0/0

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

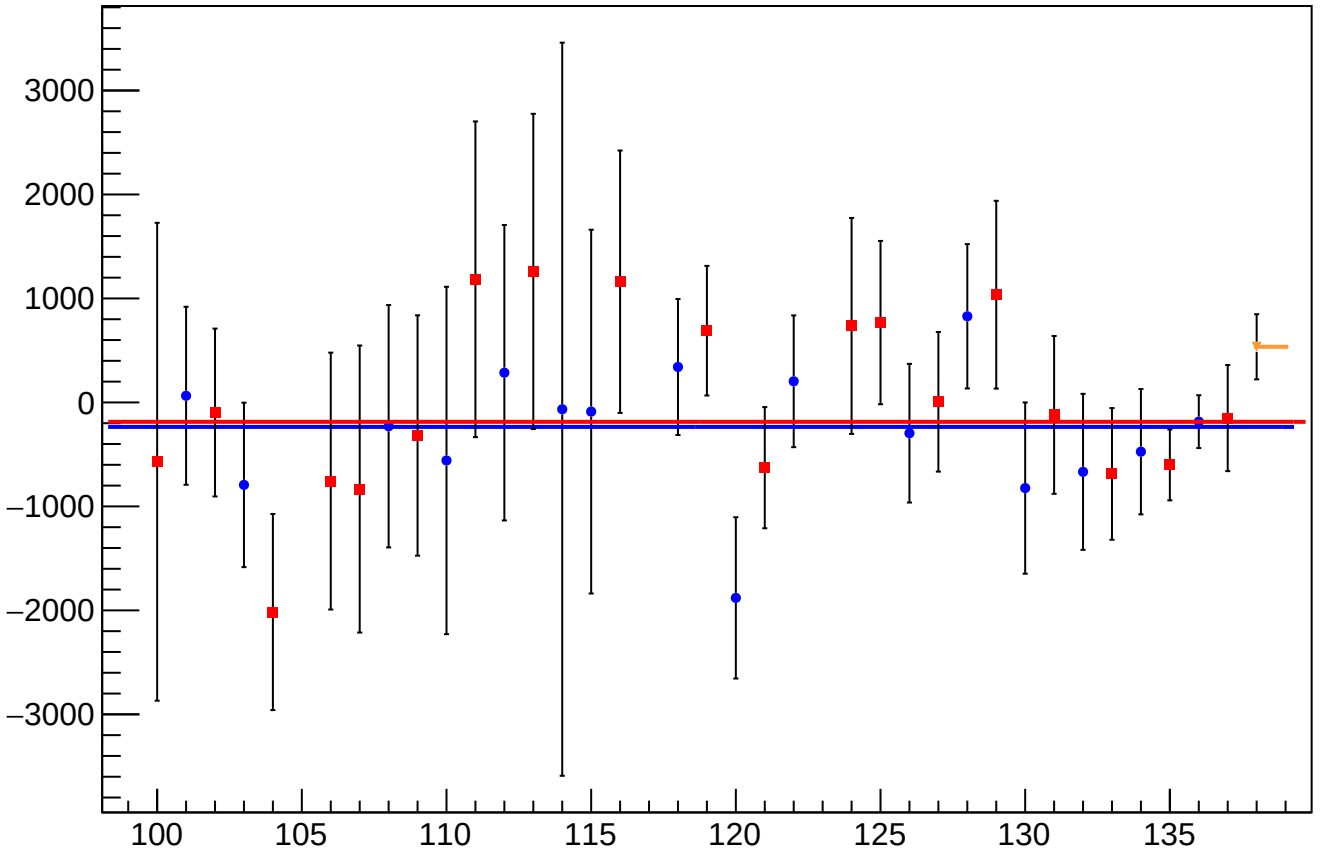
Left: 70.529+/-0.056 χ^2/NDF: 0.0/0

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 80.354+/-0.022 χ^2/NDF:840039.5/15

Out: 80.487+/-0.020 χ^2/NDF:968124.9/19

All: 80.425+/-0.015 χ^2/NDF: 1808184.3/35



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 535.042+/-313.232 χ^2/NDF:0.0/0

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

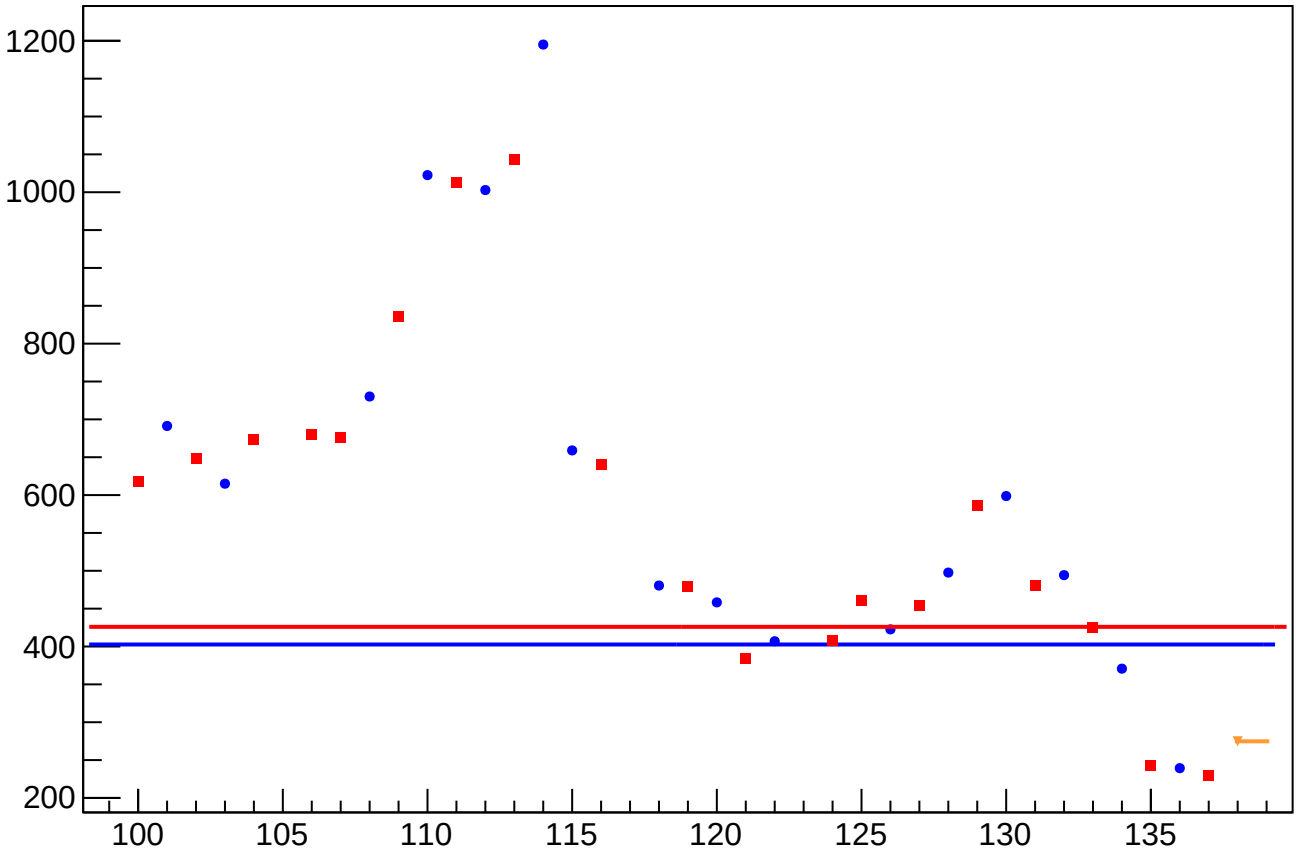
Left: 535.042+/-313.232 χ^2/NDF: 0.0/0

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -235.521+/-163.765 χ^2/NDF:9.9/15

Out: -21.828+/-149.681 χ^2/NDF:20.1/19

All: -119.092+/-110.484 χ^2/NDF: 30.9/35



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 274.779+/-0.221 χ^2/NDF:0.0/0

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 274.779+/-0.221 χ^2/NDF: 0.0/0

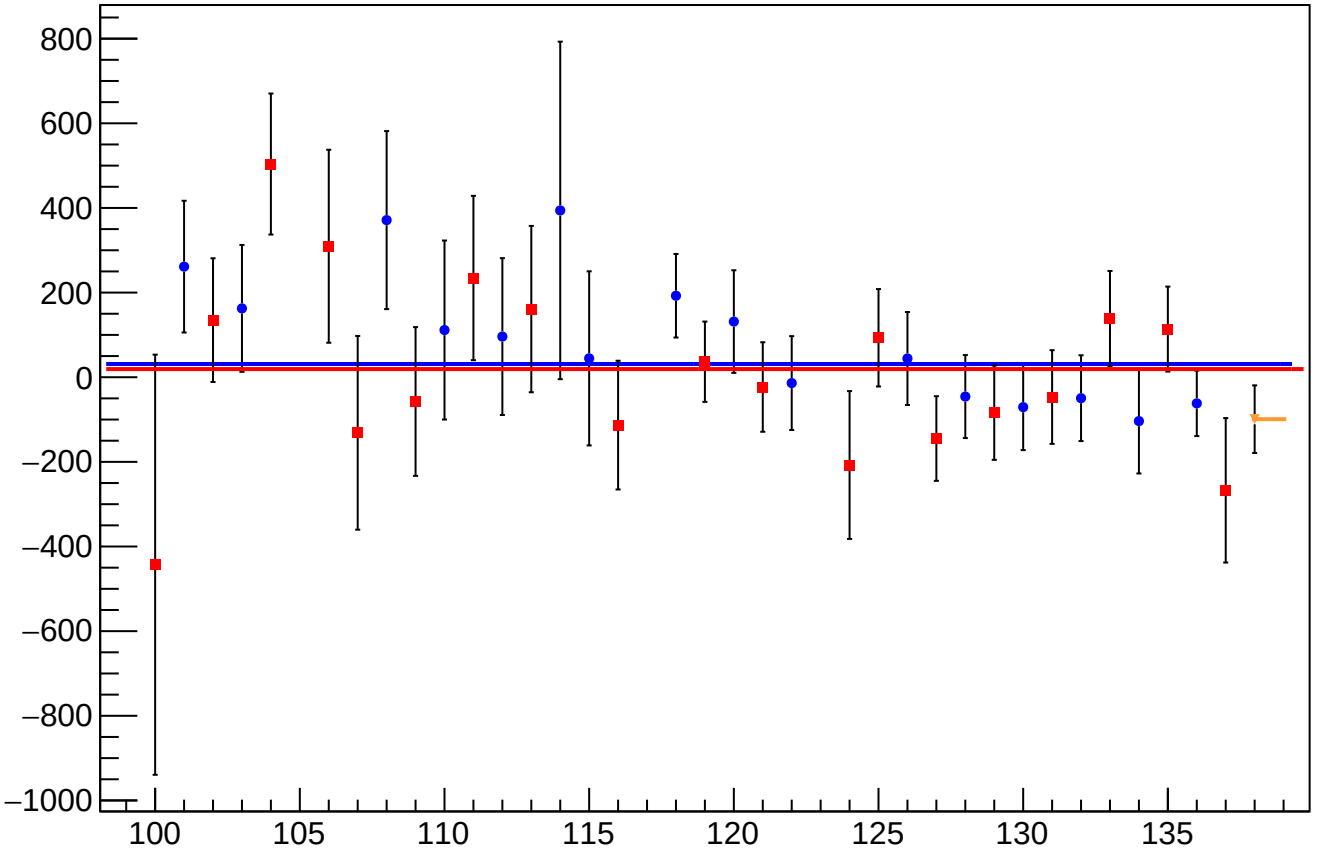
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 402.658+/-0.116 χ^2/NDF:2360092.2/15

Out: 391.453+/-0.106 χ^2/NDF:2728397.6/19

All: 396.553+/-0.078 χ^2/NDF: 5093590.5/35

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -99.109+/-79.875 χ^2/NDF:0.0/0

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -99.109+/-79.875 χ^2/NDF: 0.0/0

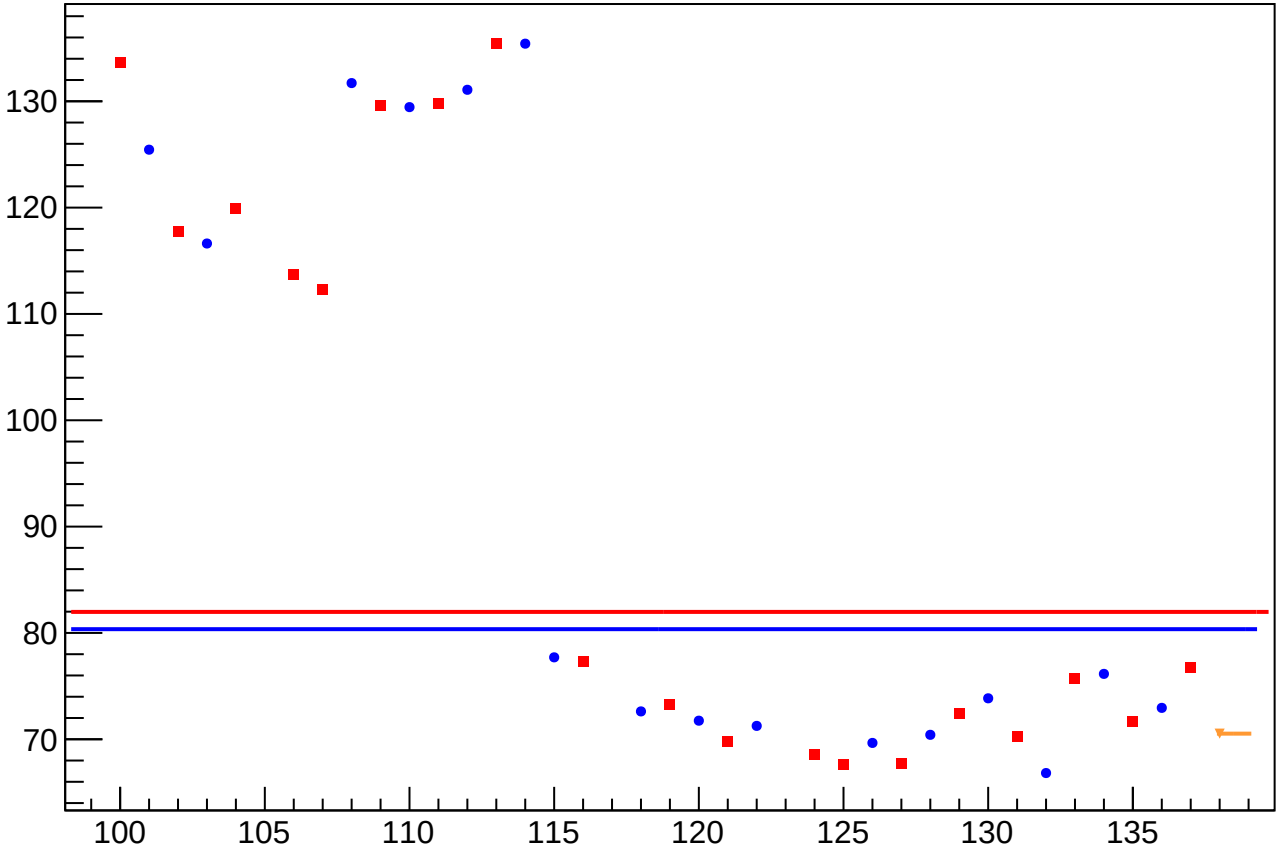
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: 31.260+/-30.786 χ^2/NDF:15.1/15

Out: 3.731+/-28.948 χ^2/NDF:27.6/19

All: 16.649+/-21.089 χ^2/NDF: 43.1/35

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 70.529+/-0.056 χ^2/NDF:0.0/0

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

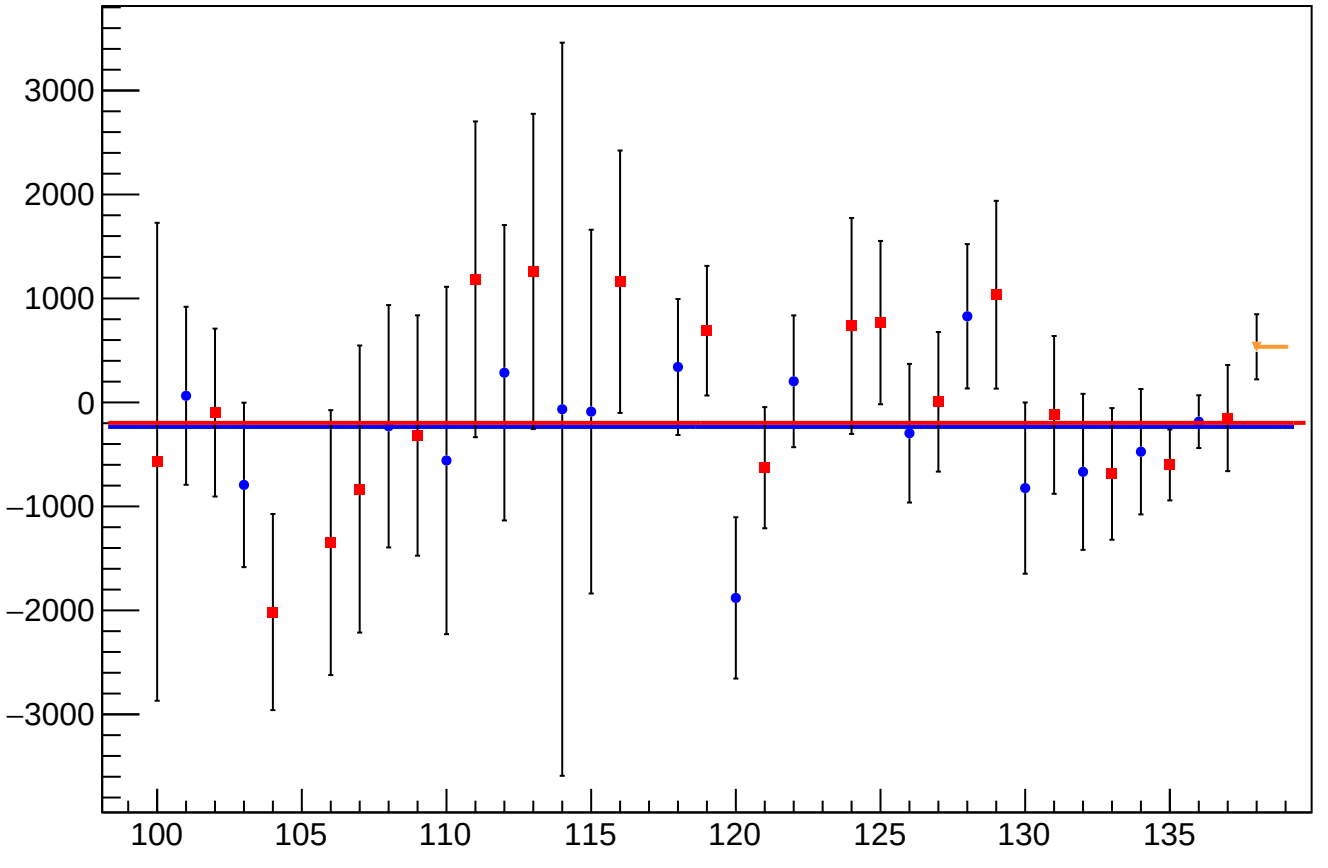
Left: 70.529+/-0.056 χ^2/NDF: 0.0/0

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.354+/-0.022 χ^2/NDF:840039.7/15

Out: 80.474+/-0.020 χ^2/NDF:966159.5/19

All: 80.418+/-0.015 χ^2/NDF: 1806215.4/35



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 535.043+/-313.232 χ^2/NDF:0.0/0

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

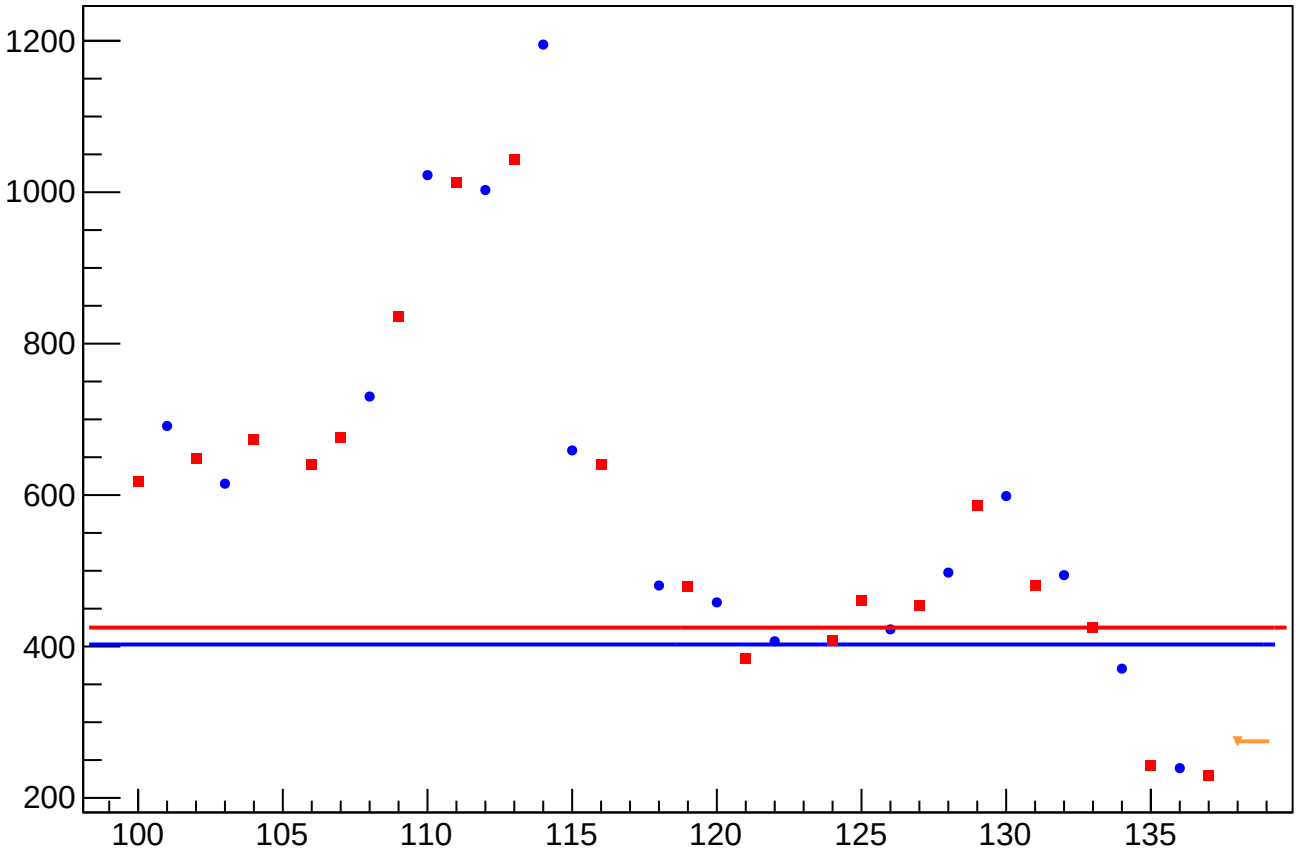
Left: 535.043+/-313.232 χ^2/NDF: 0.0/0

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -235.519+/-163.765 χ^2/NDF:9.9/15

Out: -29.366+/-149.747 χ^2/NDF:20.8/19

All: -123.243+/-110.511 χ^2/NDF: 31.6/35



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 274.779+/-0.221 χ^2/NDF:0.0/0

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

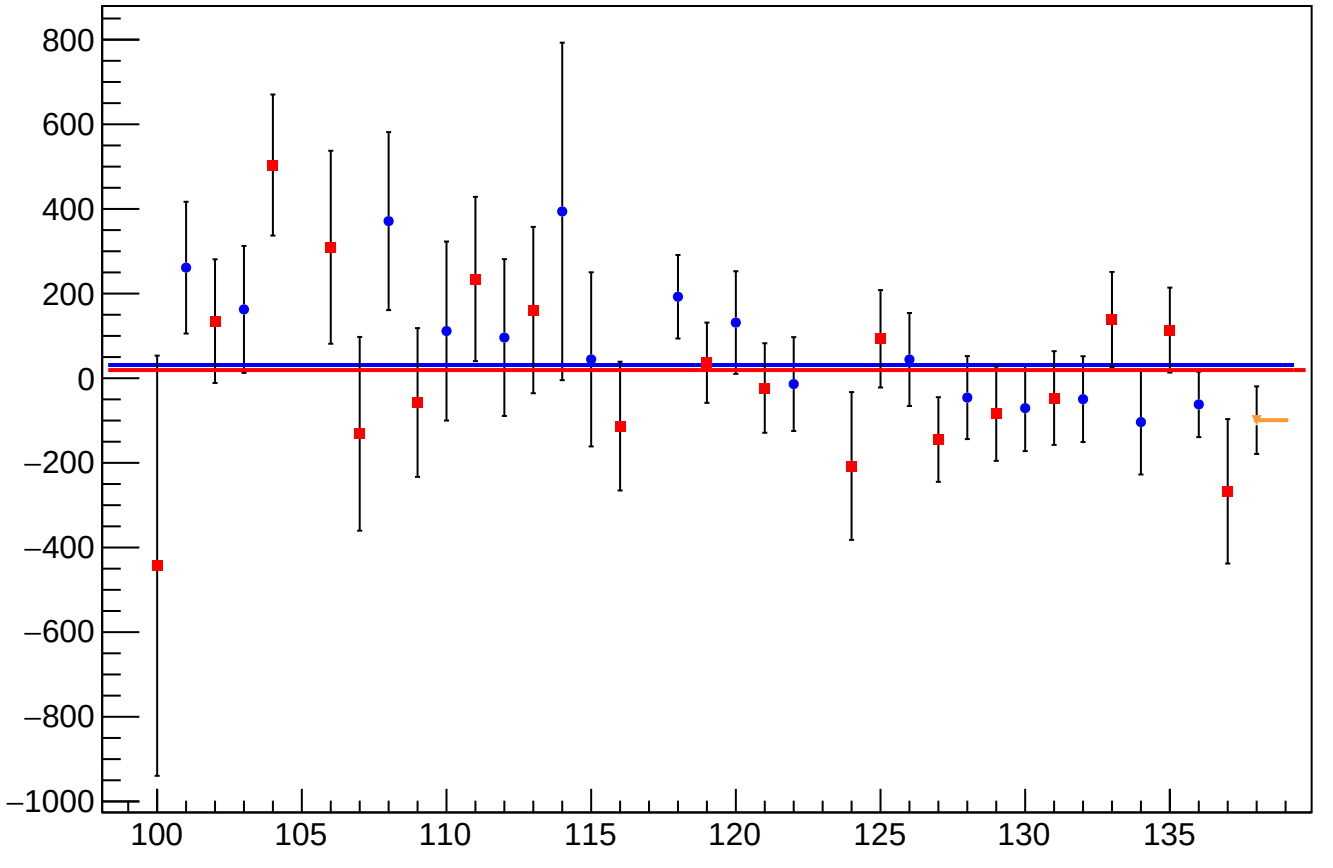
Left: 274.779+/-0.221 χ^2/NDF: 0.0/0

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 402.658+/-0.116 χ^2/NDF:2360087.3/15

Out: 390.657+/-0.106 χ^2/NDF:2695839.2/19

All: 396.122+/-0.078 χ^2/NDF: 5061775.6/35



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -99.109+/-79.875 χ^2/NDF:0.0/0

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

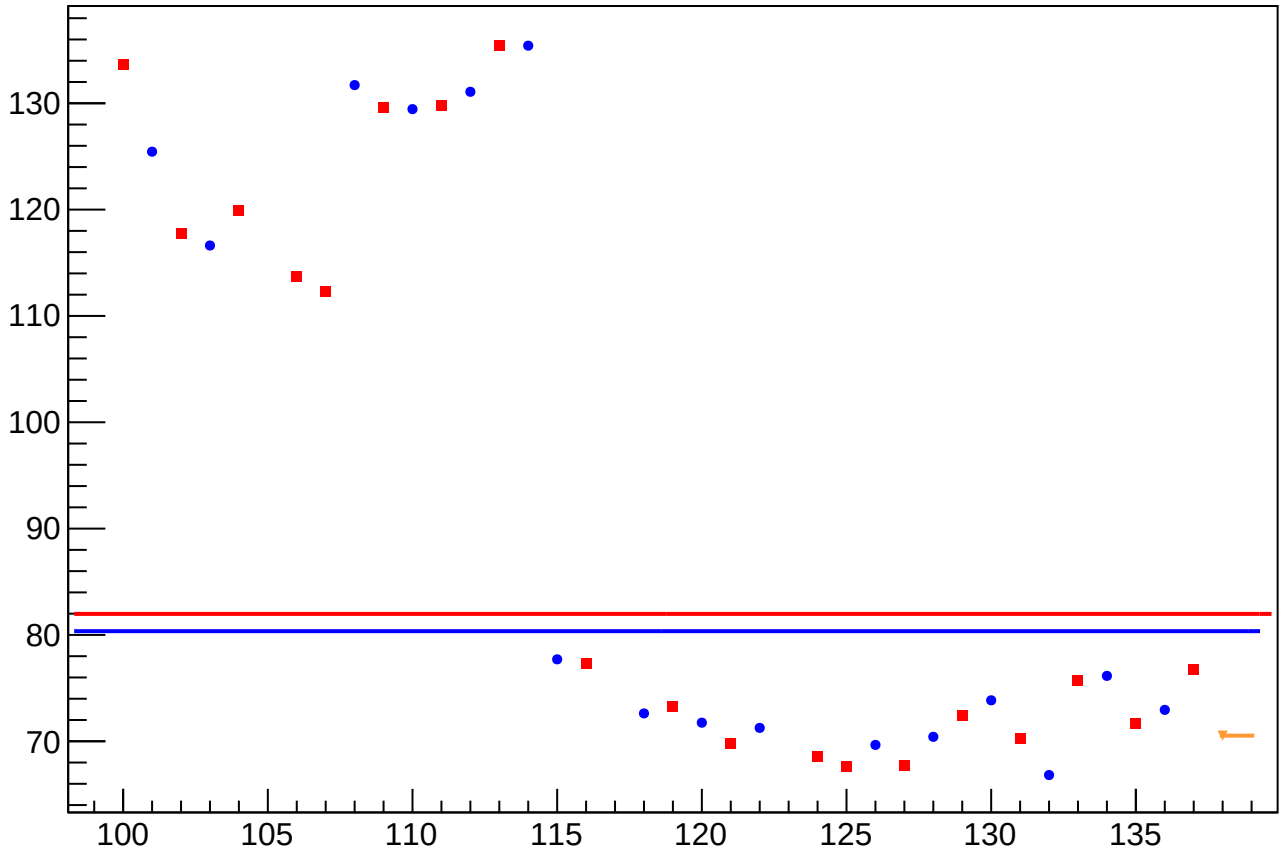
Left: -99.109+/-79.875 χ^2/NDF: 0.0/0

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: 31.260+/-30.786 χ^2/NDF:15.1/15

Out: 3.731+/-28.948 χ^2/NDF:27.6/19

All: 16.649+/-21.089 χ^2/NDF: 43.1/35



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 70.529+/-0.056 χ^2/NDF:0.0/0

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

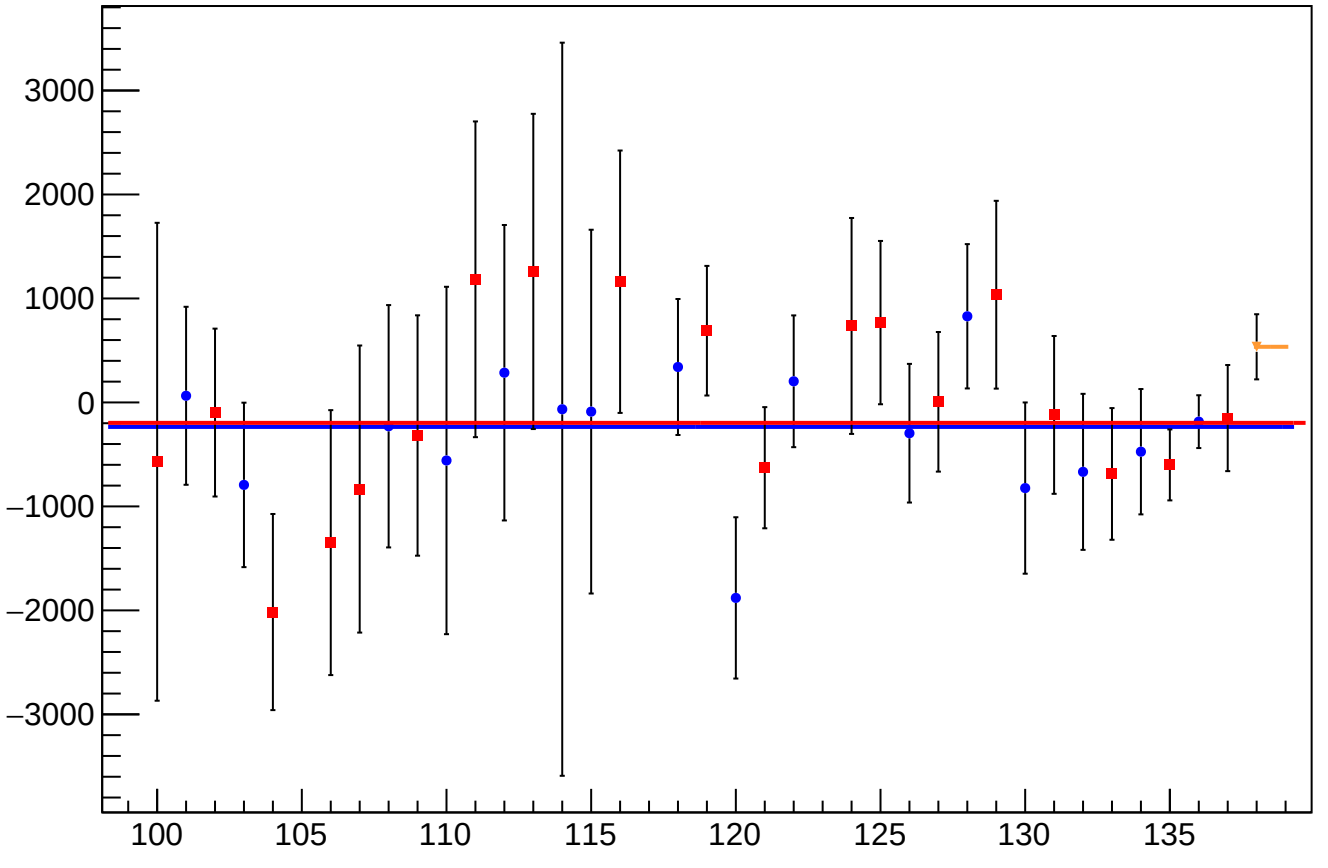
Left: 70.529+/-0.056 χ^2/NDF: 0.0/0

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.354+/-0.022 χ^2/NDF:840039.7/15

Out: 80.474+/-0.020 χ^2/NDF:966159.5/19

All: 80.418+/-0.015 χ^2/NDF: 1806215.4/35



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 535.043+/-313.232 χ^2/NDF:0.0/0

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

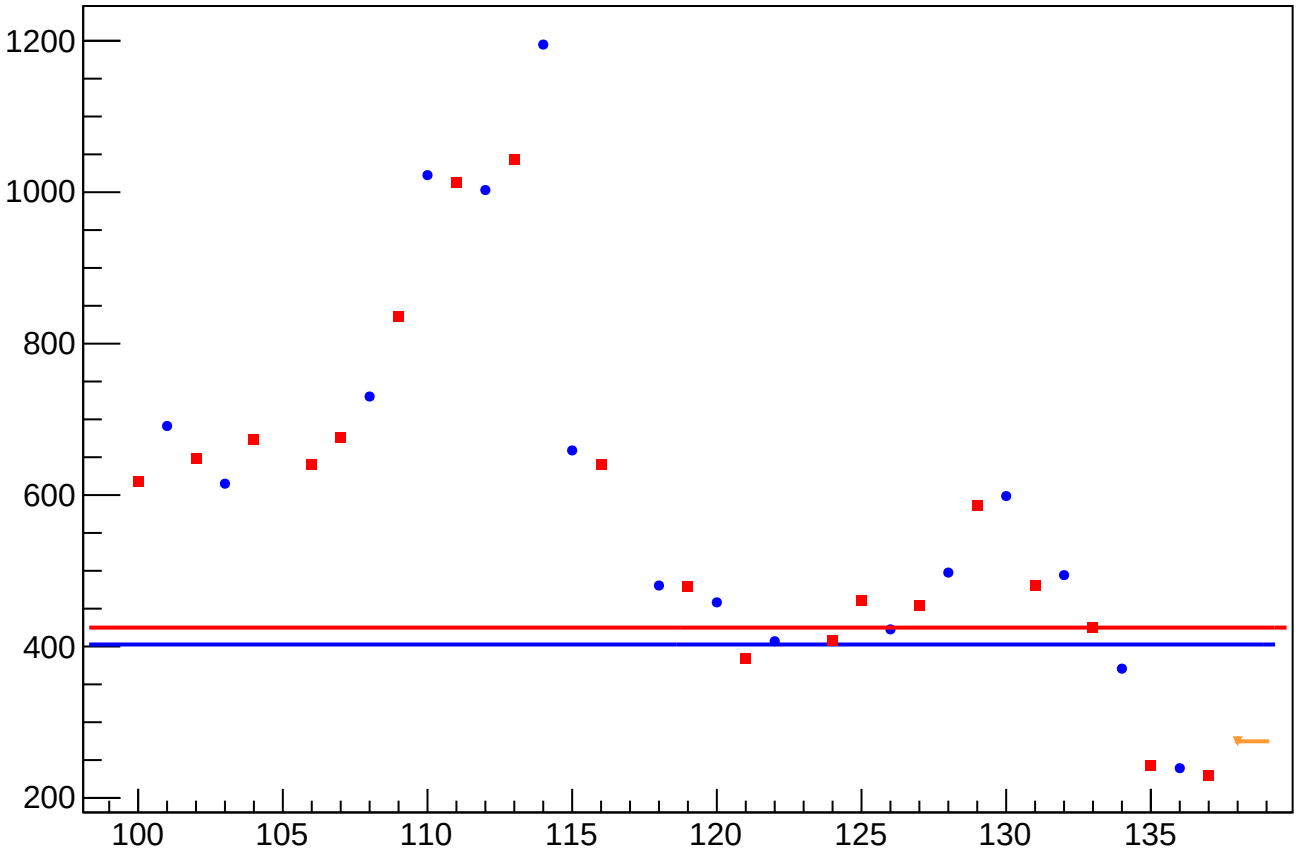
Left: 535.043+/-313.232 χ^2/NDF: 0.0/0

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -235.519+/-163.765 χ^2/NDF:9.9/15

Out: -29.366+/-149.747 χ^2/NDF:20.8/19

All: -123.243+/-110.511 χ^2/NDF: 31.6/35



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 274.779+/-0.221 χ^2/NDF:0.0/0

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

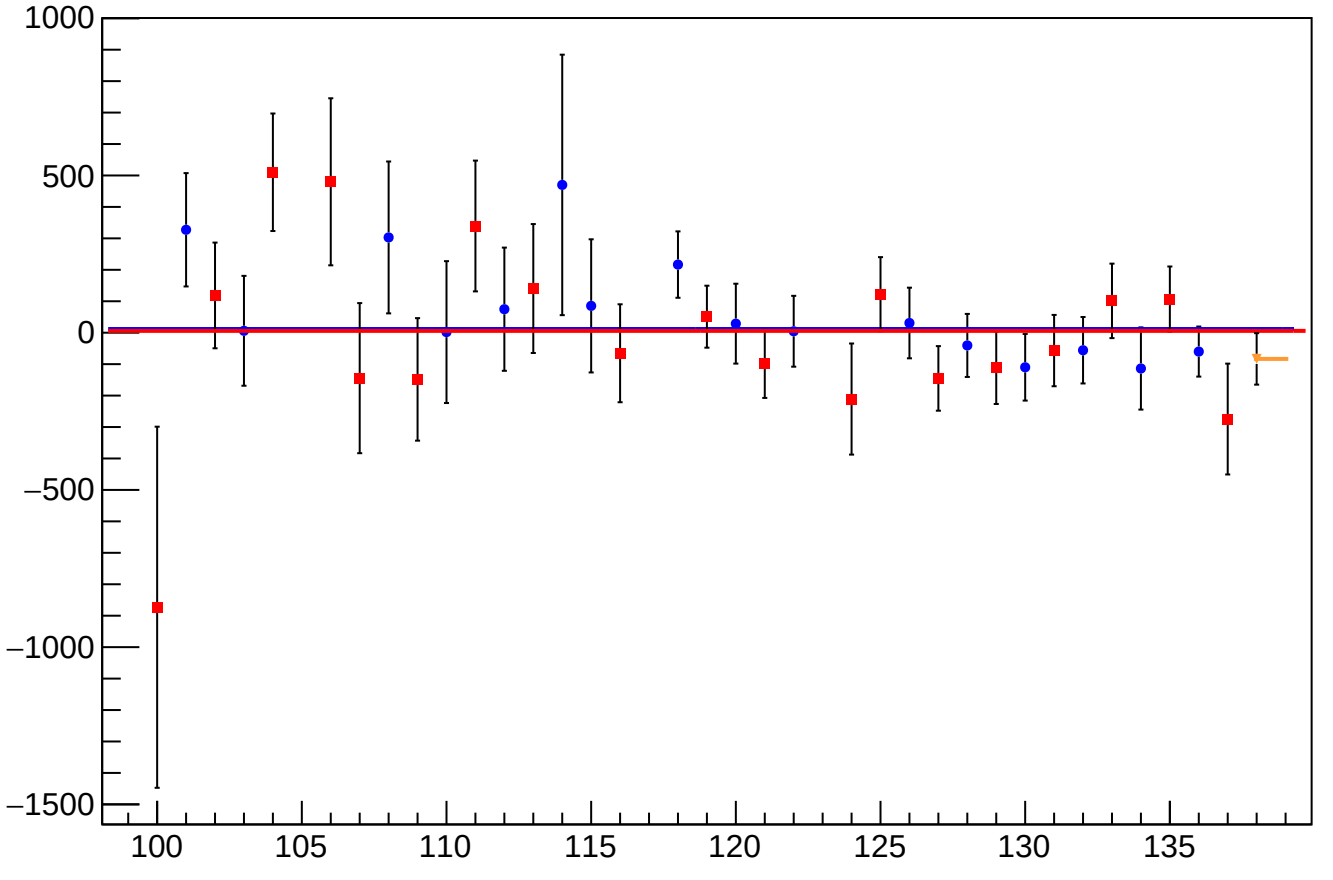
Left: 274.779+/-0.221 χ^2/NDF: 0.0/0

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 402.658+/-0.116 χ^2/NDF:2360087.3/15

Out: 390.657+/-0.106 χ^2/NDF:2695839.2/19

All: 396.122+/-0.078 χ^2/NDF: 5061775.6/35



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -83.343+/-81.856 χ^2/NDF:0.0/0

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -83.343+/-81.856 χ^2/NDF: 0.0/0

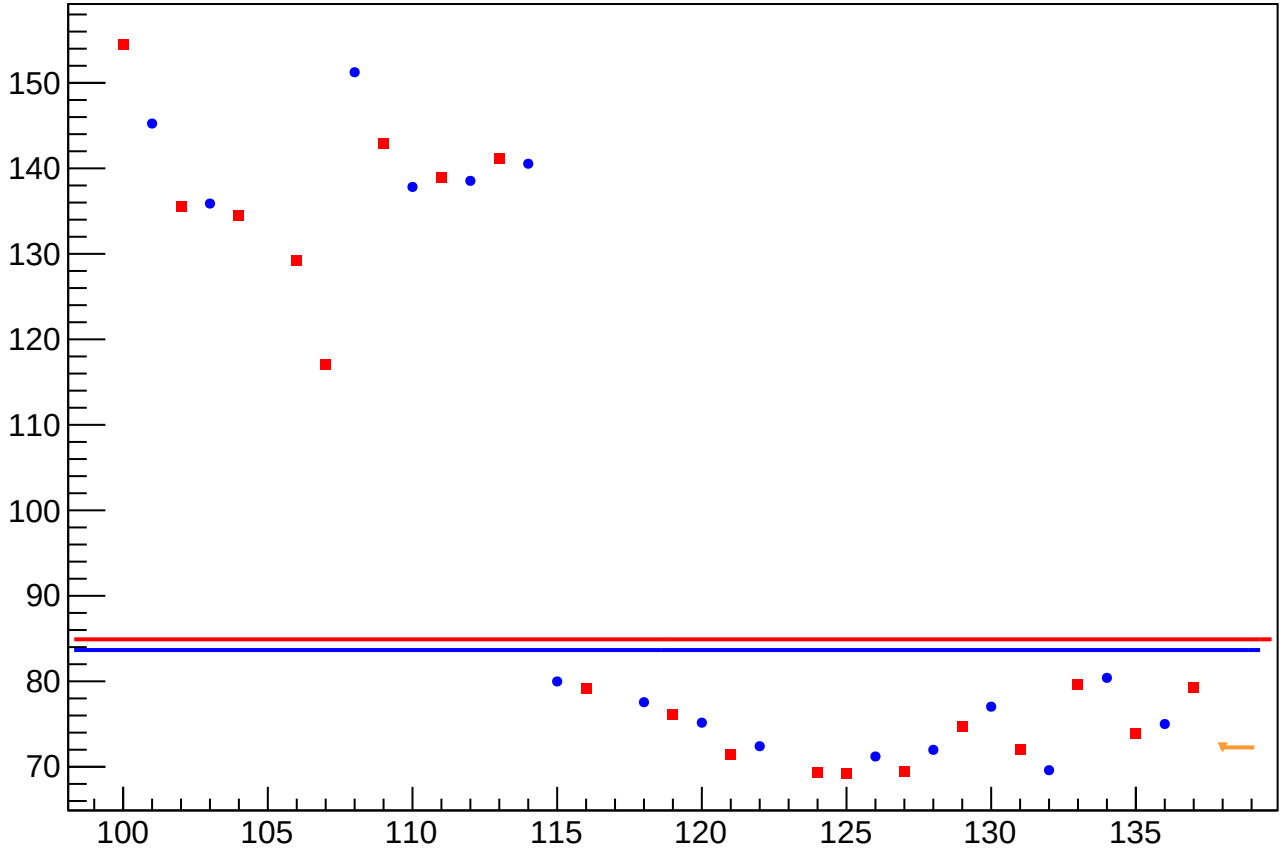
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: 11.651+/-32.297 χ^2/NDF:13.5/15

Out: -6.288+/-30.161 χ^2/NDF:29.8/19

All: 2.069+/-22.044 χ^2/NDF: 43.5/35

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 72.272+/-0.058 χ^2/NDF:0.0/0

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

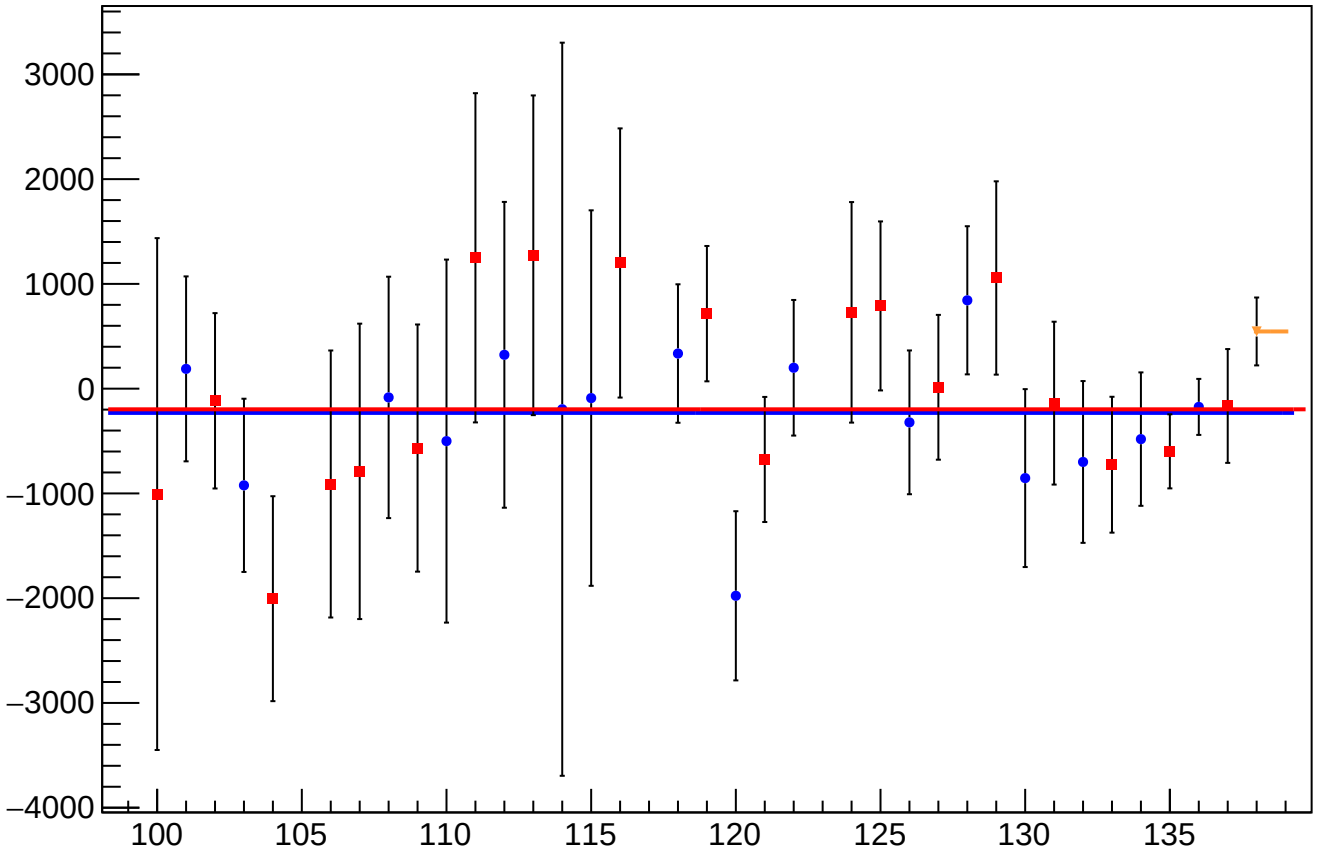
Left: 72.272+/-0.058 χ^2/NDF: 0.0/0

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 83.657+/-0.023 χ^2/NDF:1034794.6/15

Out: 83.197+/-0.021 χ^2/NDF:1162890.3/19

All: 83.411+/-0.016 χ^2/NDF: 2197901.9/35



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 546.007+/-324.023 χ^2/NDF:0.0/0

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

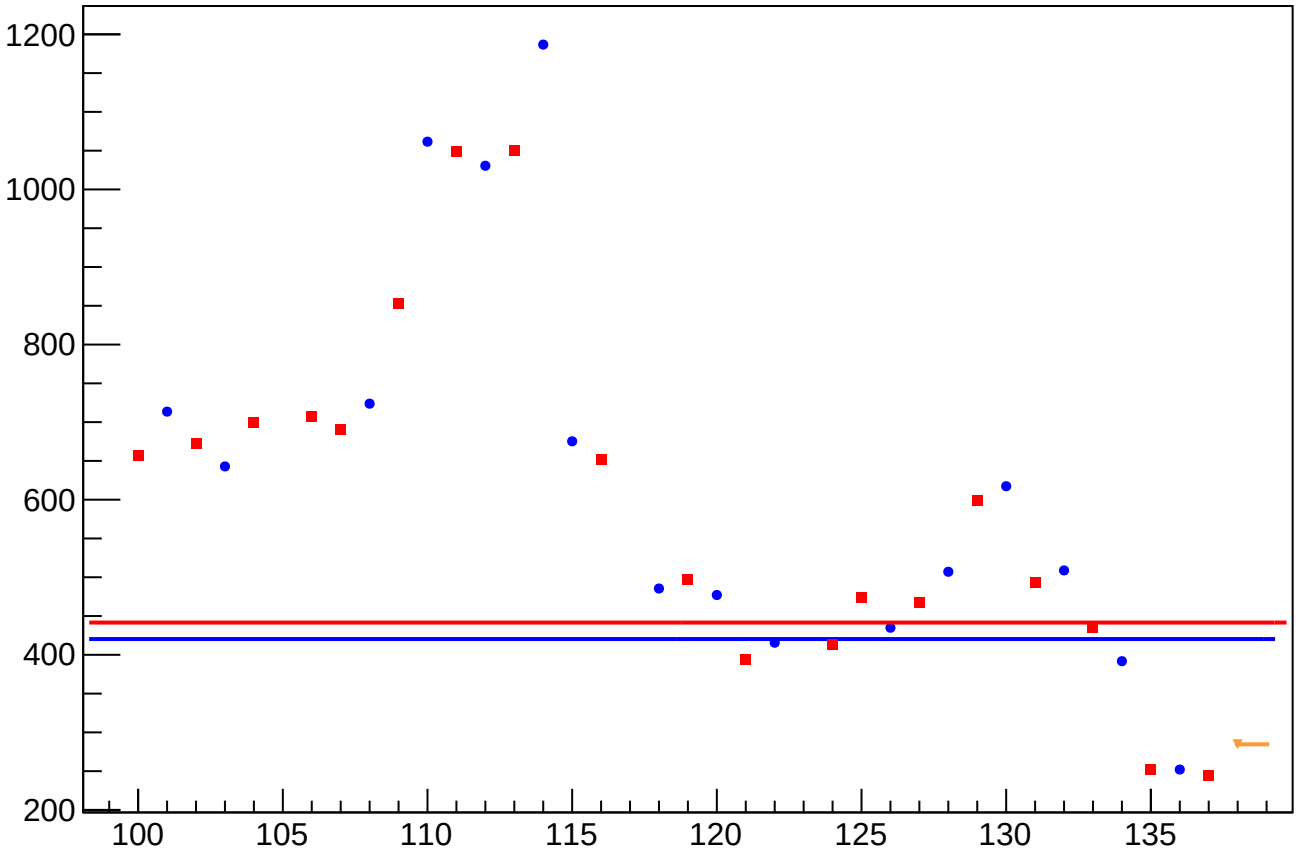
Left: 546.007+/-324.023 χ^2/NDF: 0.0/0

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -231.407+/-170.133 χ^2/NDF:10.4/15

Out: -27.752+/-154.720 χ^2/NDF:20.0/19

All: -119.938+/-114.465 χ^2/NDF: 31.1/35



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 284.612+/-0.229 χ^2/NDF:0.0/0

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

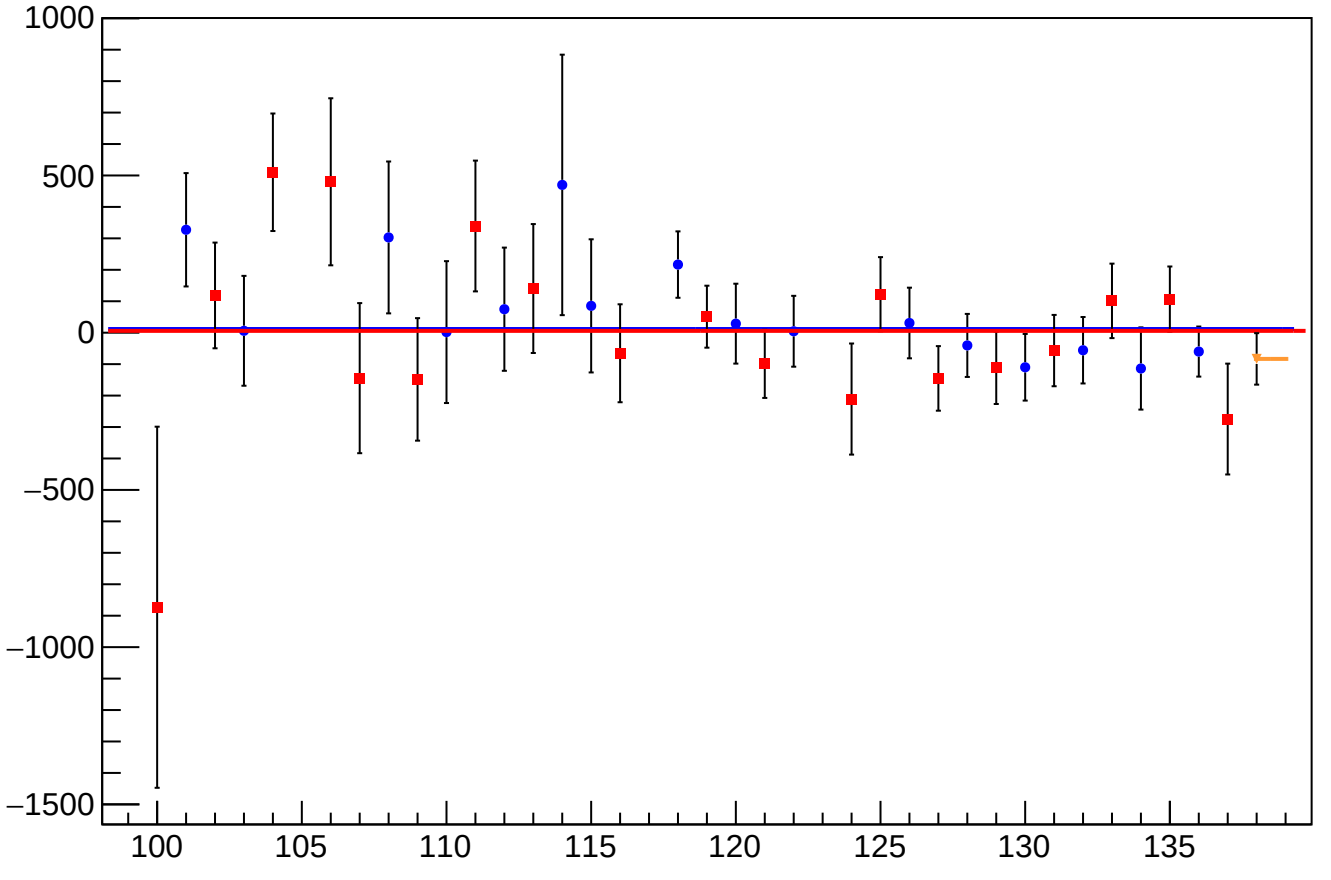
Left: 284.612+/-0.229 χ^2/NDF: 0.0/0

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 420.329+/-0.120 χ^2/NDF:2254610.0/15

Out: 405.805+/-0.109 χ^2/NDF:2670009.9/19

All: 412.379+/-0.081 χ^2/NDF: 4932598.5/35



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -83.345+/-81.856 χ^2/NDF:0.0/0

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -83.345+/-81.856 χ^2/NDF: 0.0/0

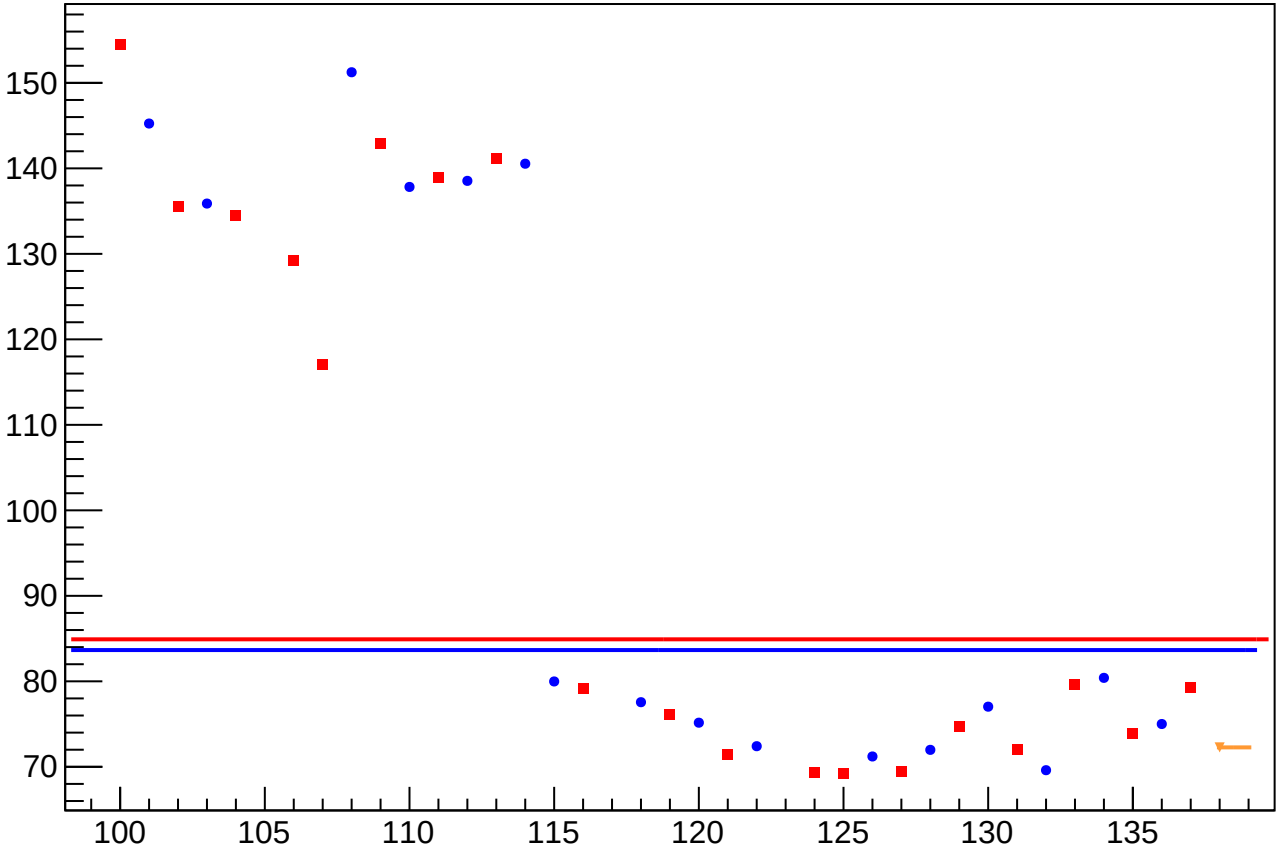
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: 11.652+/-32.297 χ^2/NDF:13.5/15

Out: -6.289+/-30.161 χ^2/NDF:29.8/19

All: 2.069+/-22.044 χ^2/NDF: 43.5/35

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 72.272+/-0.058 χ^2/NDF:0.0/0

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

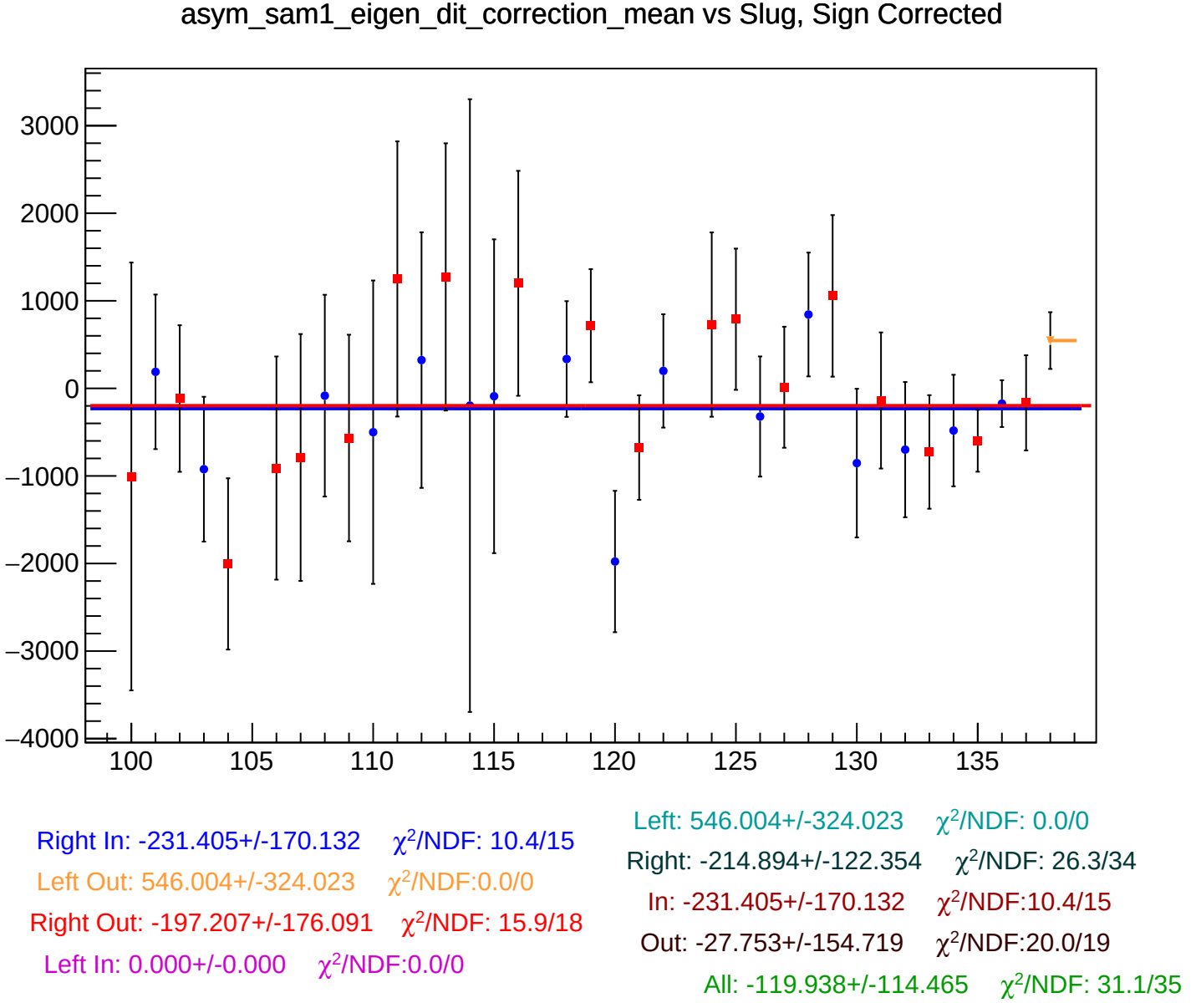
Left: 72.272+/-0.058 χ^2/NDF: 0.0/0

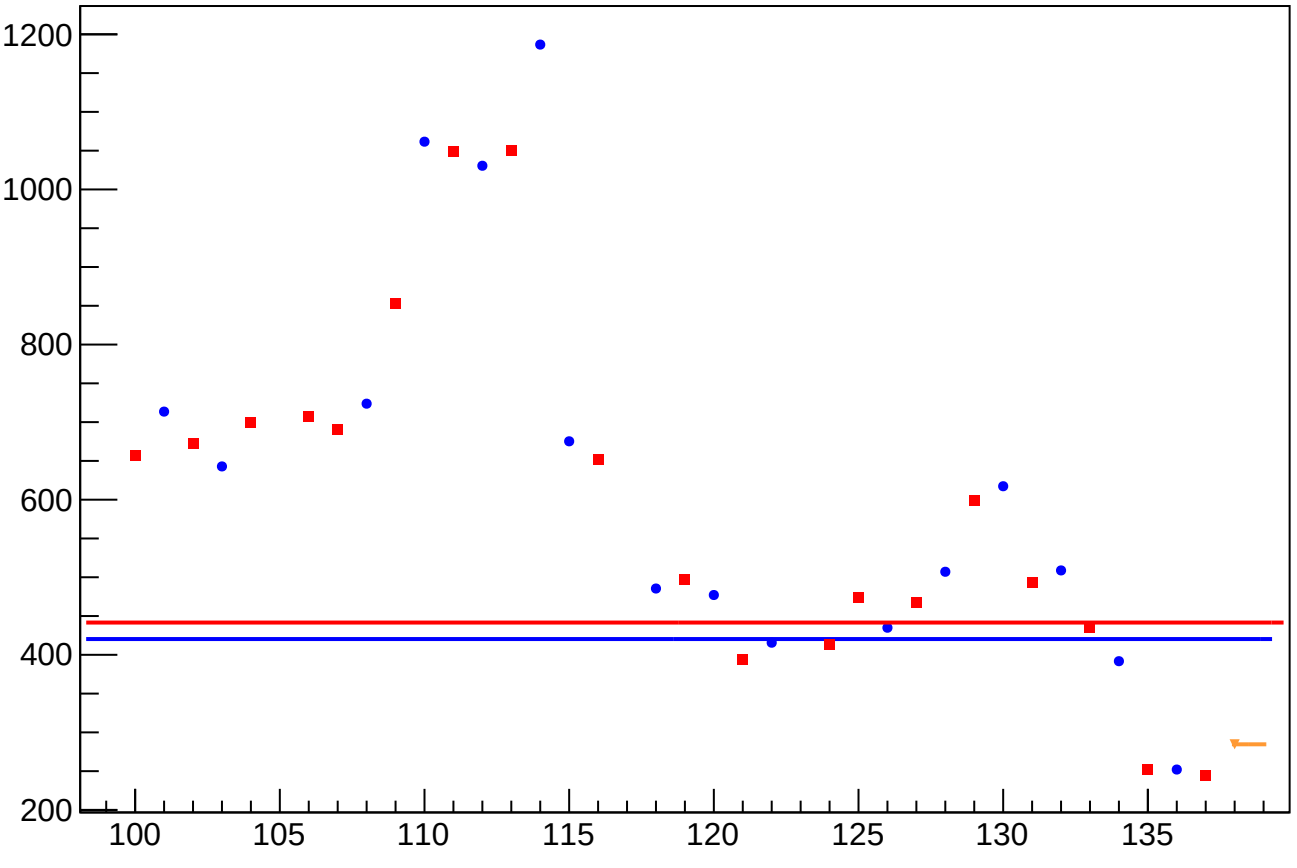
Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 83.657+/-0.023 χ^2/NDF:1034794.1/15

Out: 83.197+/-0.021 χ^2/NDF:1162888.9/19

All: 83.411+/-0.016 χ^2/NDF: 2197899.9/35


asym_sam1_eigen_dit_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
−4000
100
105
110
115
120
125
130
135
Right In: -231.405+/-170.132 χ²/NDF: 10.4/15
Left Out: 546.004+/-324.023 χ²/NDF:0.0/0
Right Out: -197.207+/-176.091 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 546.004+/-324.023 χ²/NDF: 0.0/0
Right: -214.894+/-122.354 χ²/NDF: 26.3/34
In: -231.405+/-170.132 χ²/NDF:10.4/15
Out: -27.753+/-154.719 χ²/NDF:20.0/19
All: -119.938+/-114.465 χ²/NDF: 31.1/35



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 284.612+/-0.229 χ^2/NDF:0.0/0

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 284.612+/-0.229 χ^2/NDF: 0.0/0

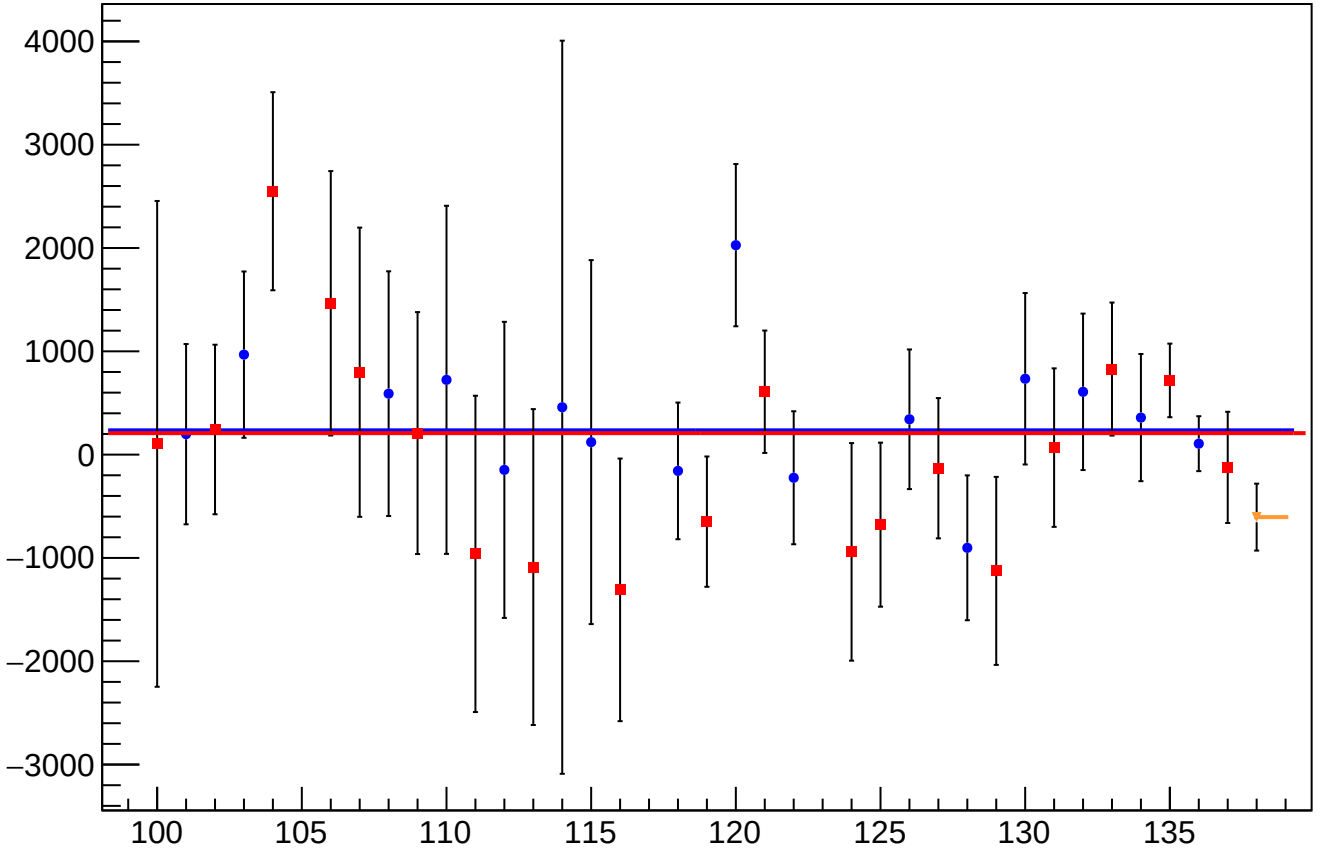
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 420.329+/-0.120 χ^2/NDF:2254614.9/15

Out: 405.804+/-0.109 χ^2/NDF:2670013.9/19

All: 412.379+/-0.081 χ^2/NDF: 4932607.3/35

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -604.926+/-323.984 χ^2/NDF:0.0/0

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -604.926+/-323.984 χ^2/NDF: 0.0/0

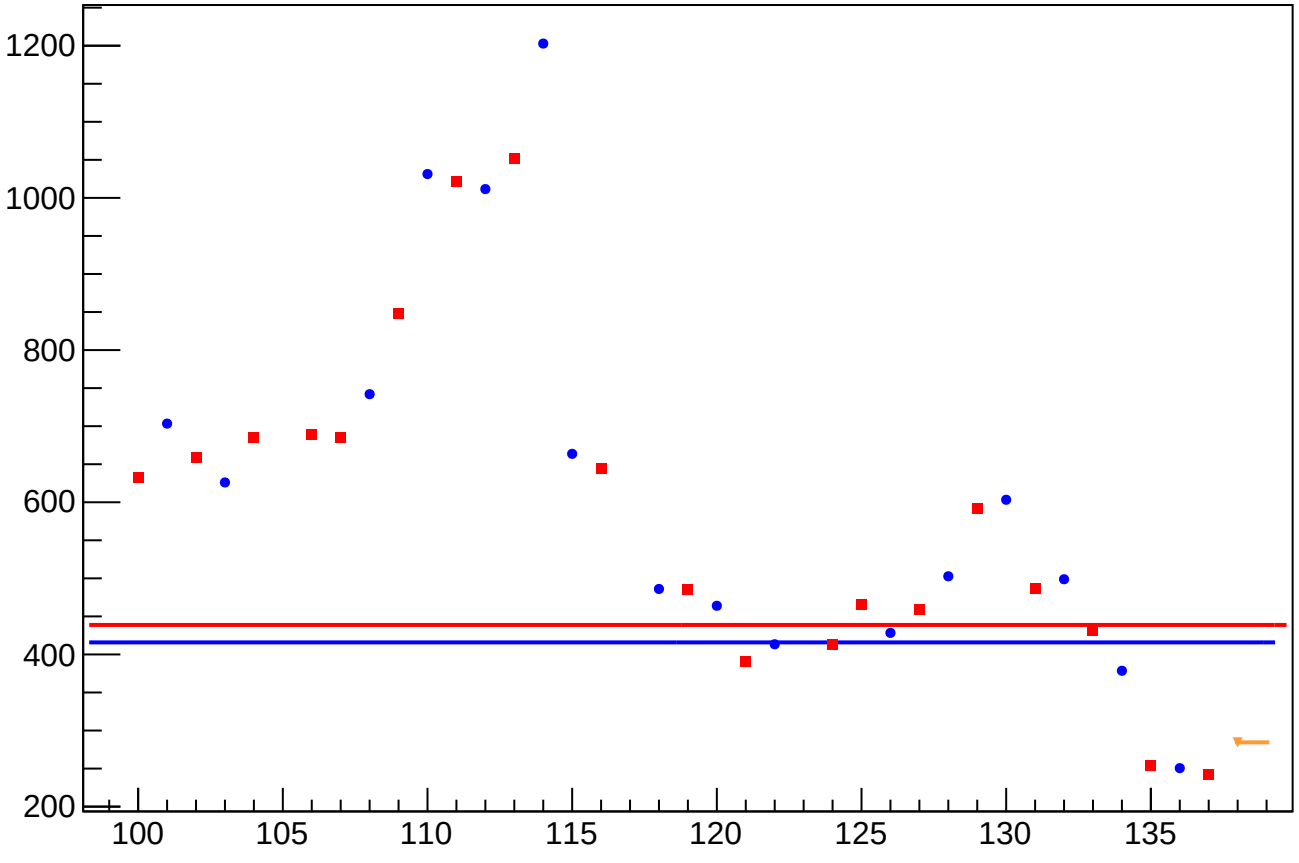
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 235.054+/-168.199 χ^2/NDF:10.7/15

Out: 24.801+/-153.780 χ^2/NDF:25.2/19

All: 120.531+/-113.495 χ^2/NDF: 36.8/35

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 284.467+/-0.229 χ^2/NDF:0.0/0

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

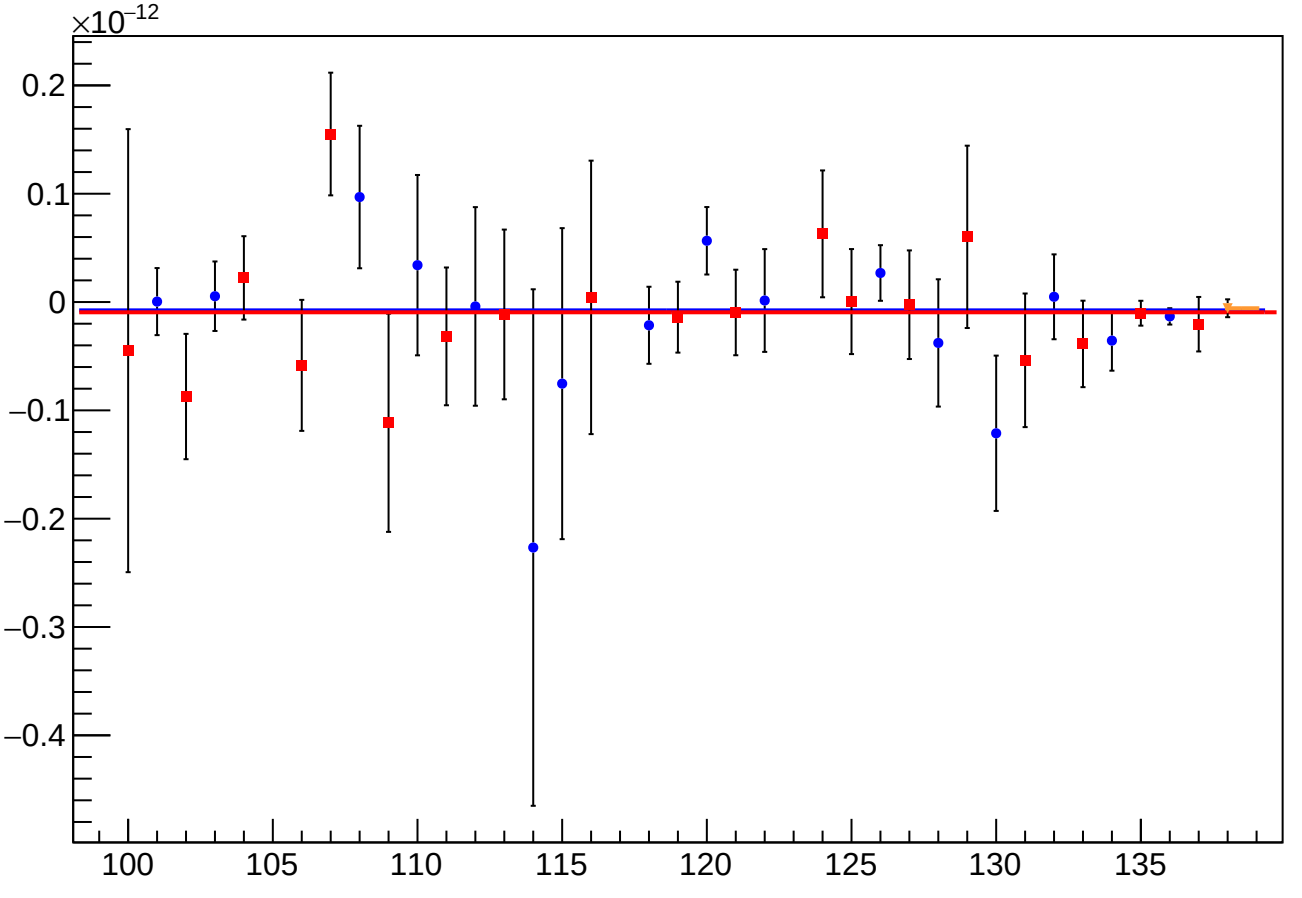
Left: 284.467+/-0.229 χ^2/NDF: 0.0/0

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 415.840+/-0.119 χ^2/NDF:2223949.6/15

Out: 404.008+/-0.109 χ^2/NDF:2586244.2/19

All: 409.395+/-0.080 χ^2/NDF: 4815583.7/35



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

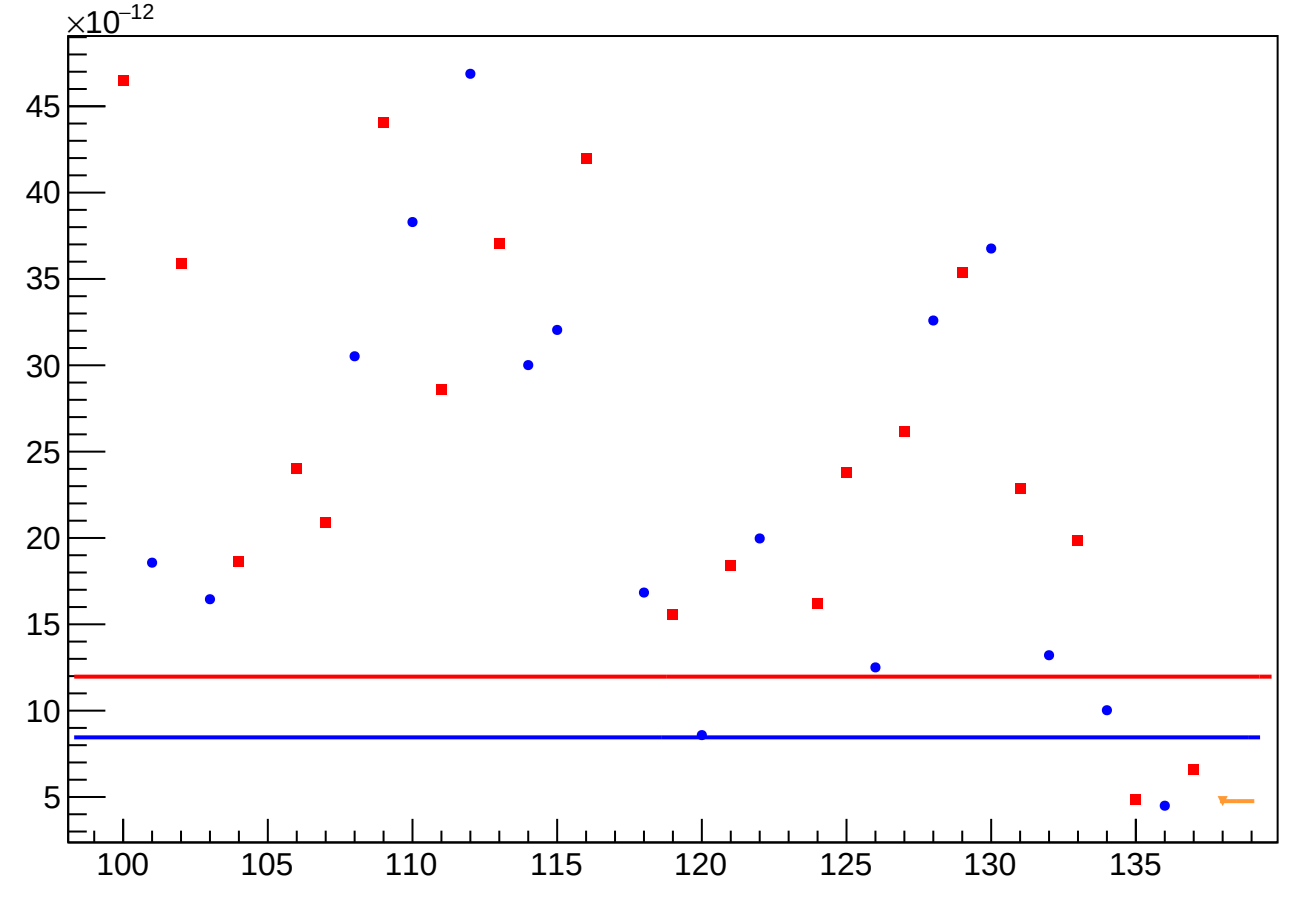
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:14.8/15

Out: -0.000+/-0.000 χ^2/NDF:16.4/19

All: -0.000+/-0.000 χ^2/NDF: 31.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

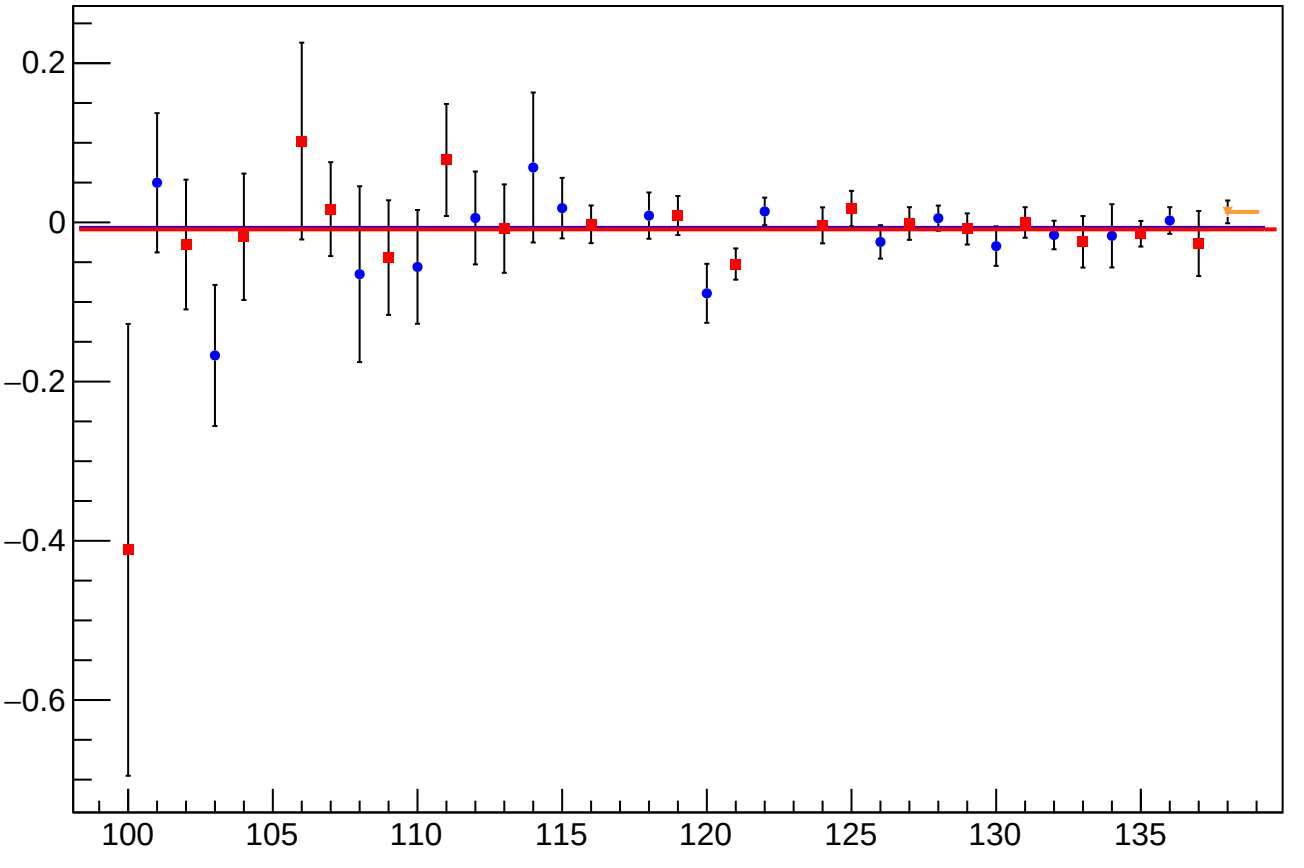
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5753139.7/34

In: 0.000+/-0.000 χ^2/NDF:2756090.8/15

Out: 0.000+/-0.000 χ^2/NDF:3533102.9/19

All: 0.000+/-0.000 χ^2/NDF: 6289251.3/35



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.013+/-0.014 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

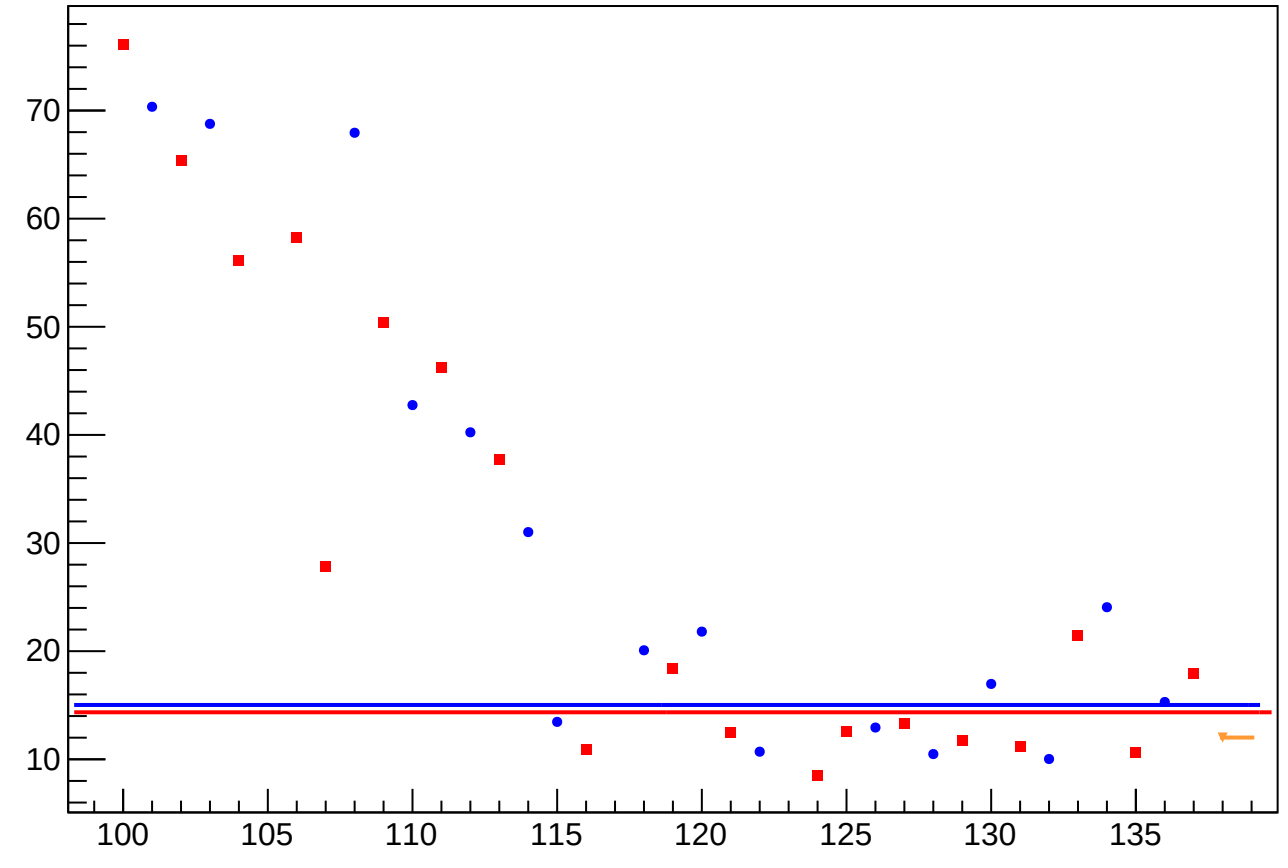
Left: 0.013+/-0.014 χ^2/NDF: 0.0/0

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.007 χ^2/NDF:14.9/15

Out: -0.005+/-0.006 χ^2/NDF:14.6/19

All: -0.006+/-0.004 χ^2/NDF: 29.6/35



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 12.012+/-0.010 χ^2/NDF:0.0/0

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

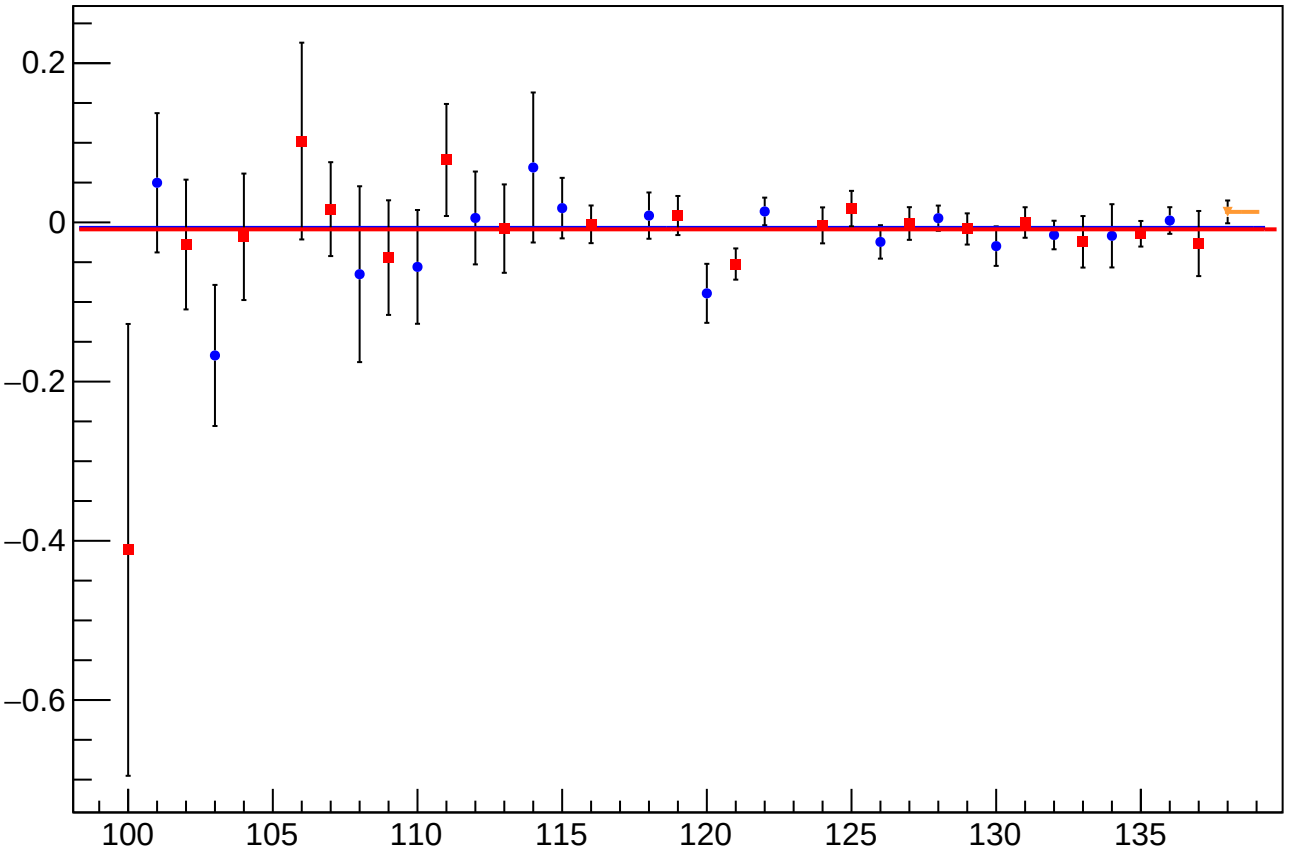
Left: 12.012+/-0.010 χ^2/NDF: 0.0/0

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 15.026+/-0.005 χ^2/NDF:3438260.9/15

Out: 13.960+/-0.004 χ^2/NDF:3673447.9/19

All: 14.417+/-0.003 χ^2/NDF: 7140313.4/35



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.013+/-0.014 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

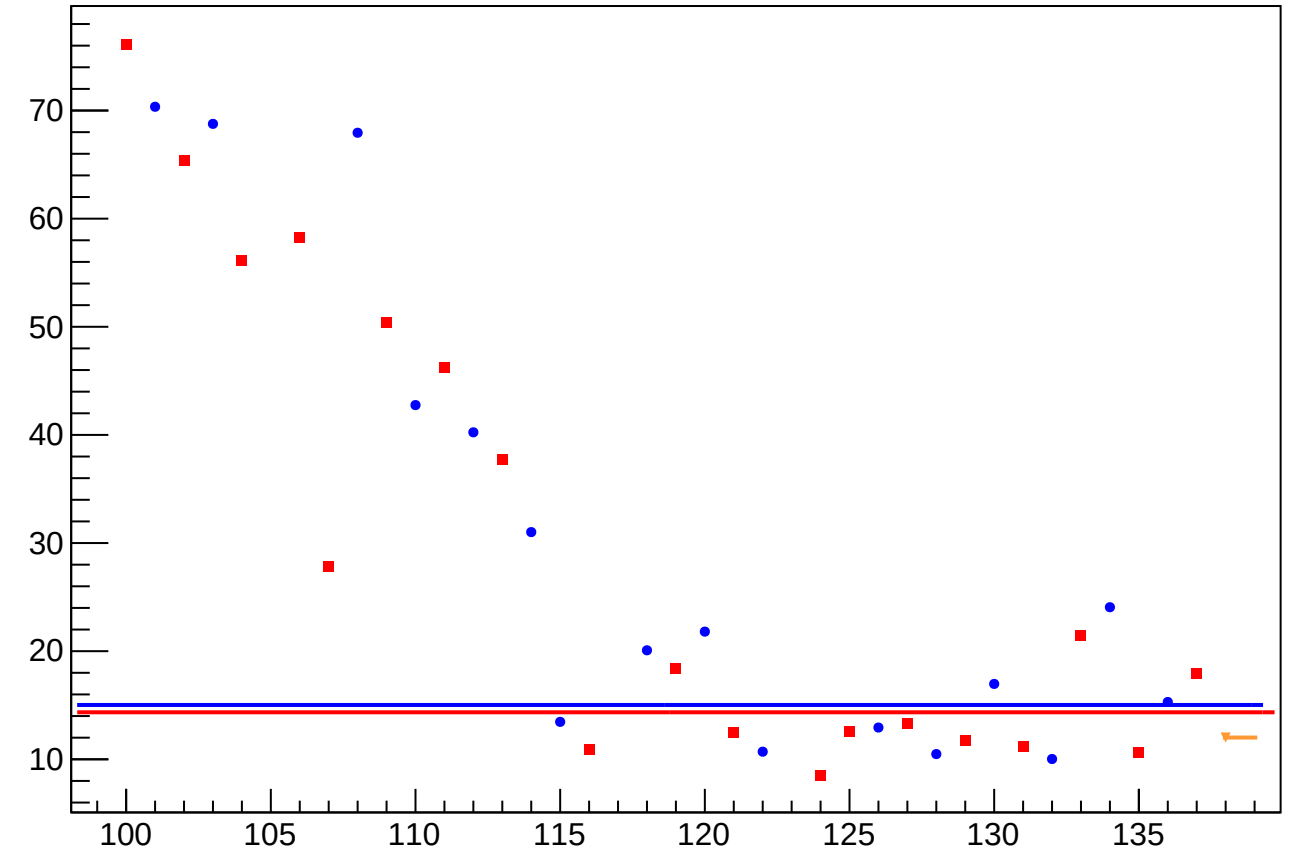
Left: 0.013+/-0.014 χ^2/NDF: 0.0/0

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.007 χ^2/NDF:14.9/15

Out: -0.005+/-0.006 χ^2/NDF:14.6/19

All: -0.006+/-0.004 χ^2/NDF: 29.6/35



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 12.012+/-0.010 χ^2/NDF:0.0/0

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

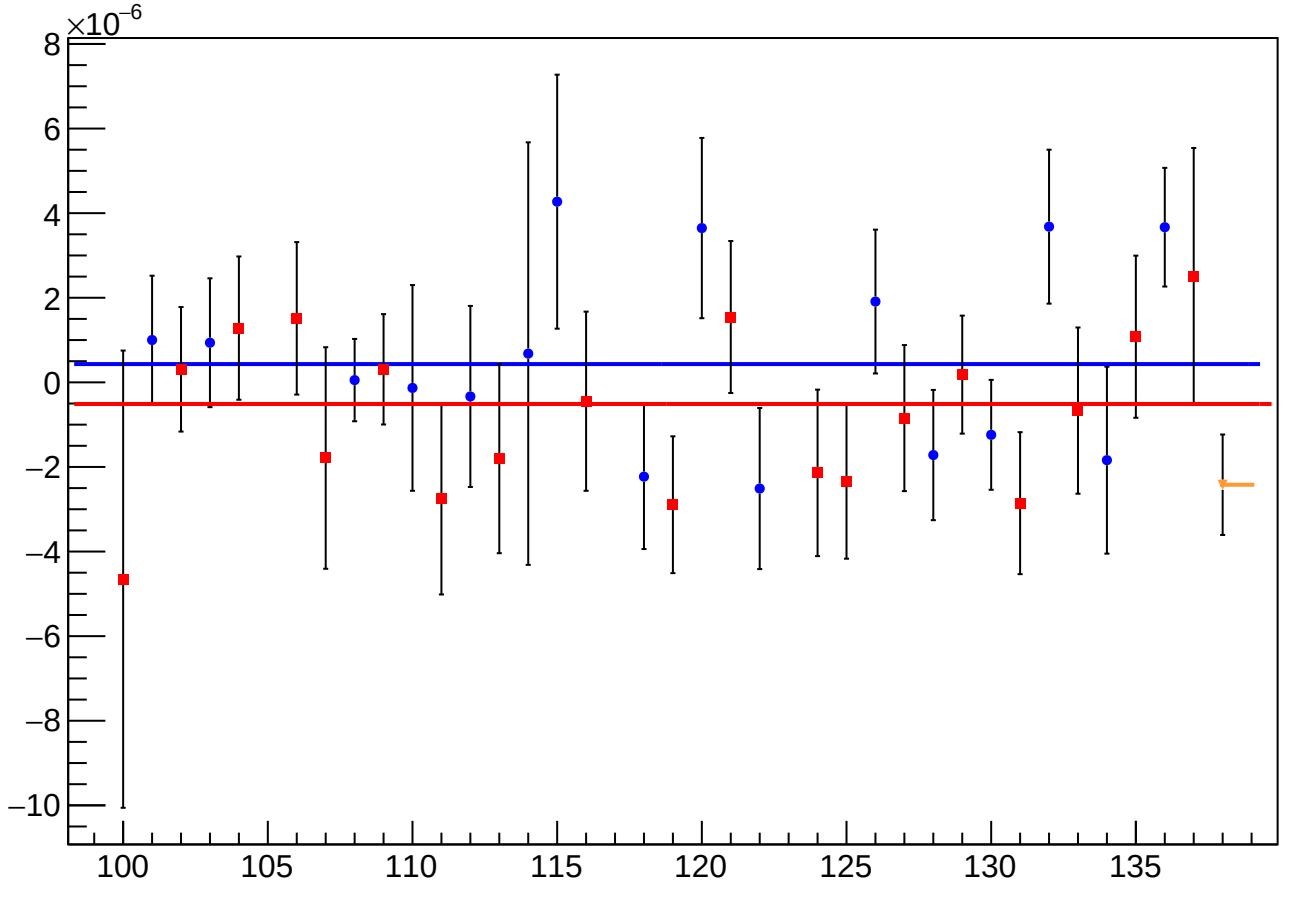
Left: 12.012+/-0.010 χ^2/NDF: 0.0/0

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 15.026+/-0.005 χ^2/NDF:3438260.9/15

Out: 13.960+/-0.004 χ^2/NDF:3673447.9/19

All: 14.417+/-0.003 χ^2/NDF: 7140313.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

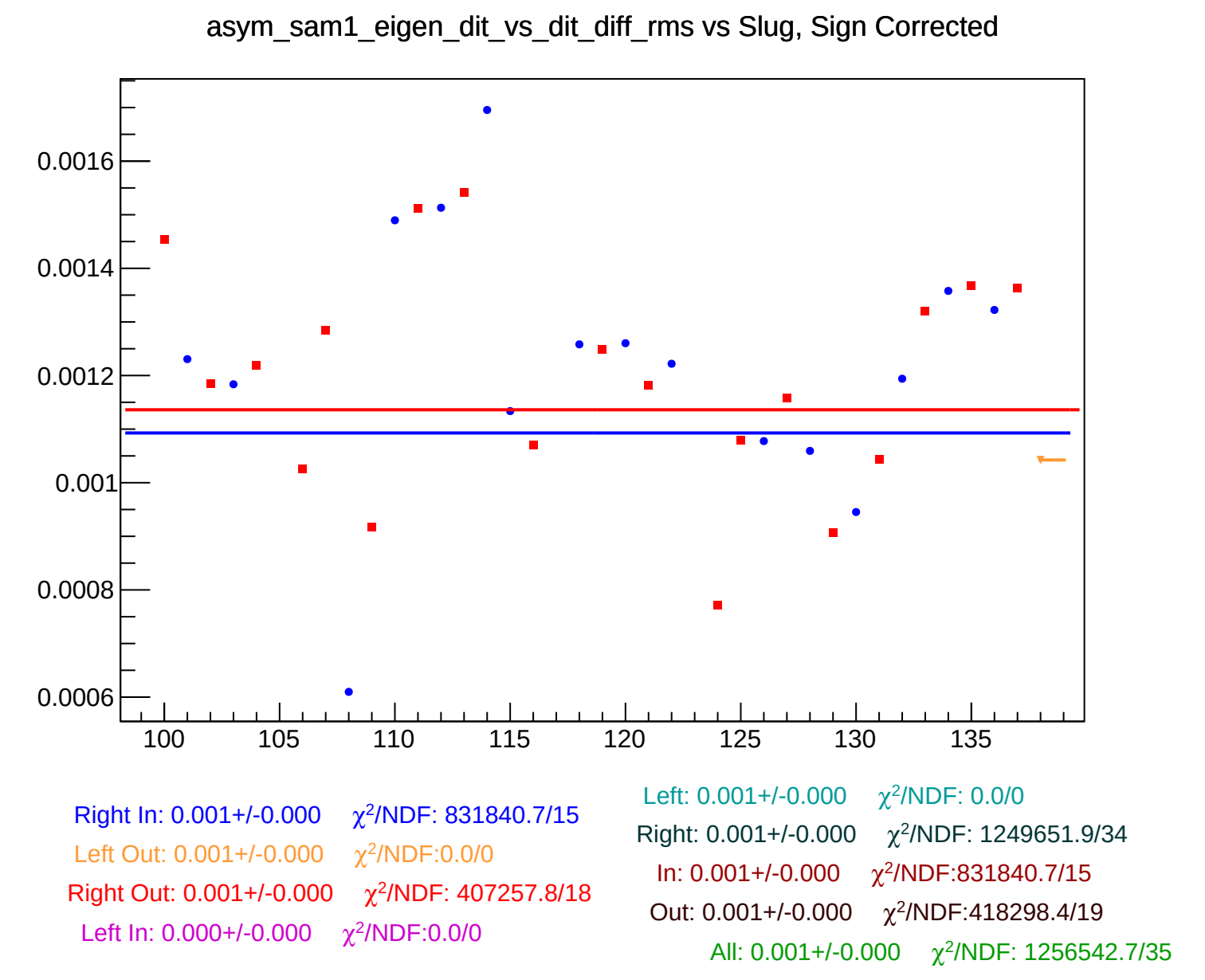
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

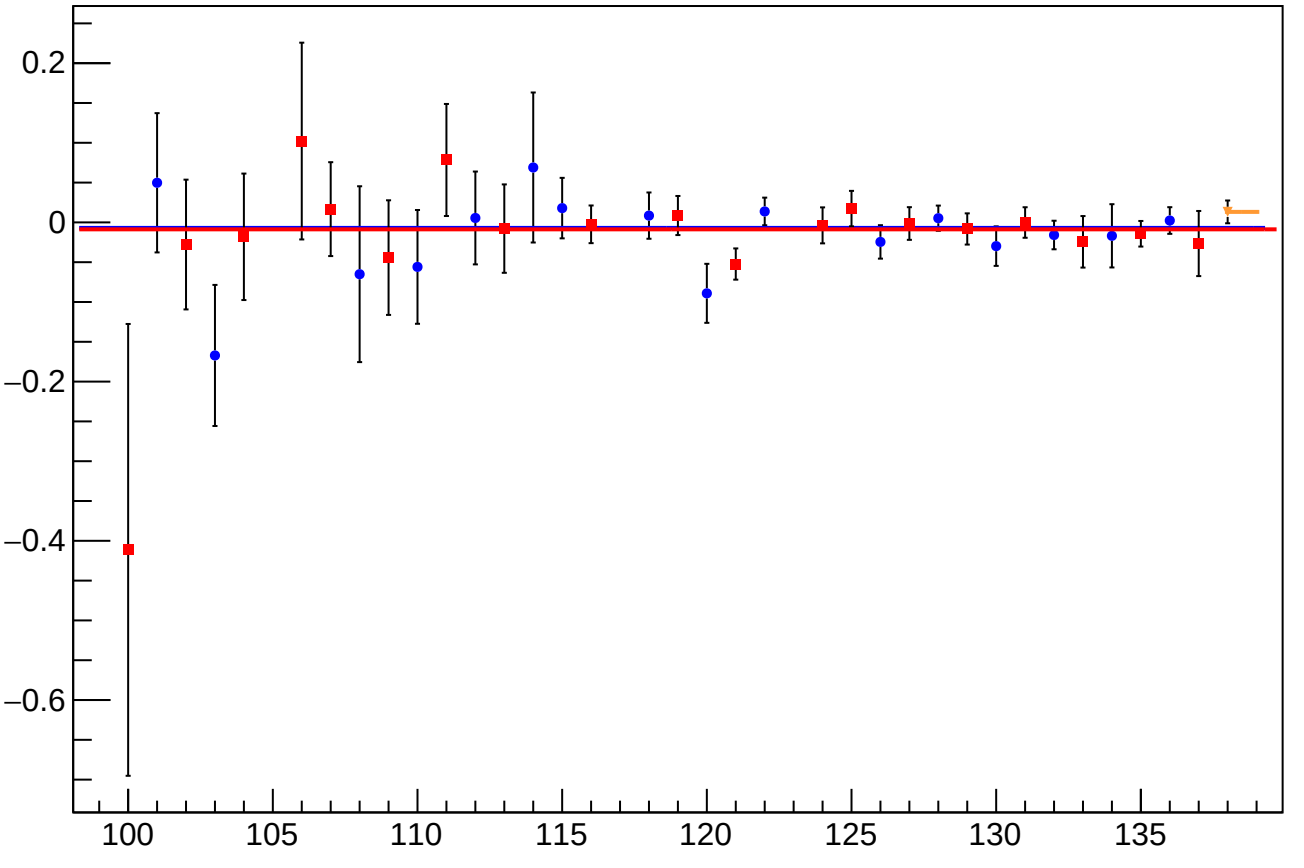
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:23.2/15

Out: -0.000+/-0.000 χ^2/NDF:16.6/19

All: -0.000+/-0.000 χ^2/NDF: 43.8/35


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
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:0.0/0
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.001+/-0.000 χ²/NDF: 0.0/0
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:831840.7/15
Out: 0.001+/-0.000 χ²/NDF:418298.4/19
All: 0.001+/-0.000 χ²/NDF: 1256542.7/35



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.013+/-0.014 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

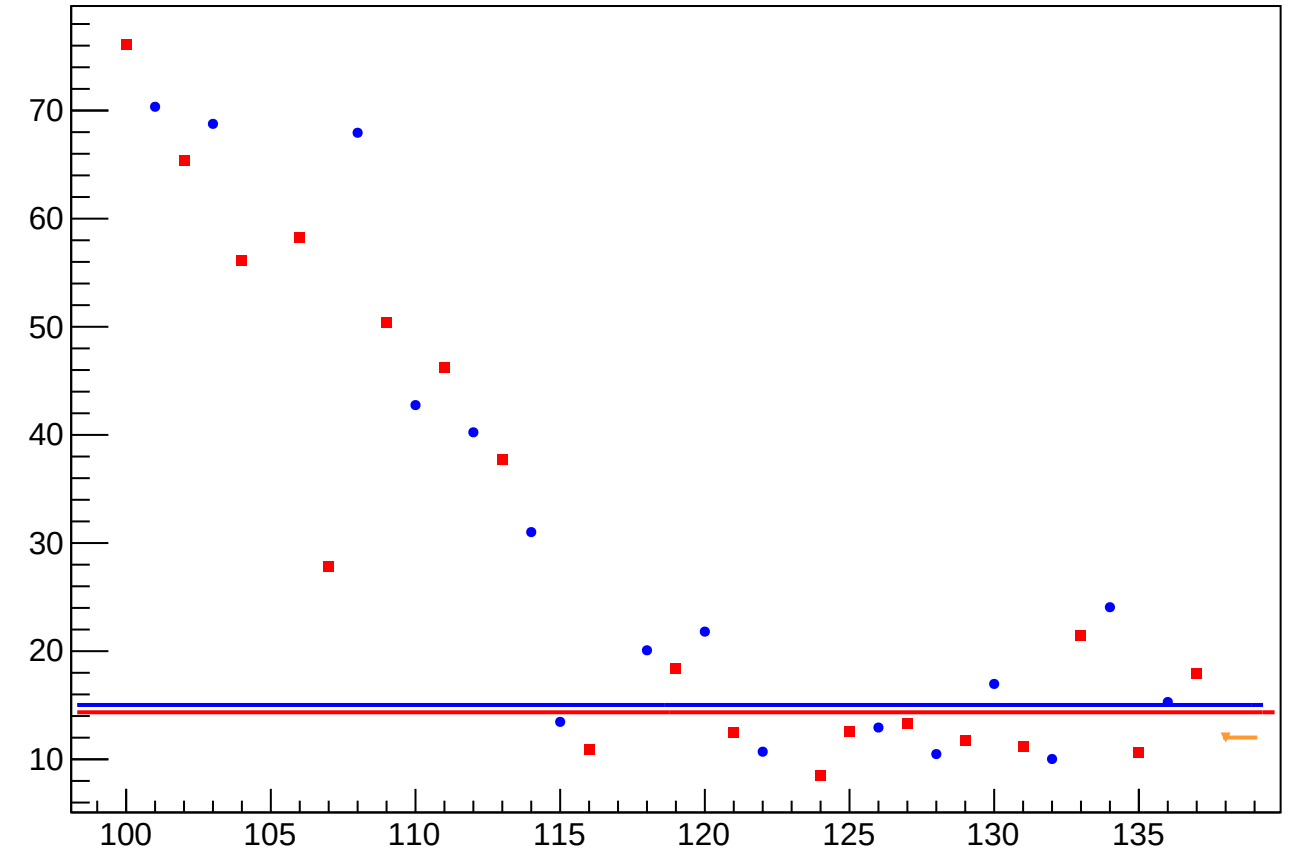
Left: 0.013+/-0.014 χ^2/NDF: 0.0/0

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.007 χ^2/NDF:14.9/15

Out: -0.005+/-0.006 χ^2/NDF:14.6/19

All: -0.006+/-0.004 χ^2/NDF: 29.6/35



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 12.012+/-0.010 χ^2/NDF:0.0/0

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

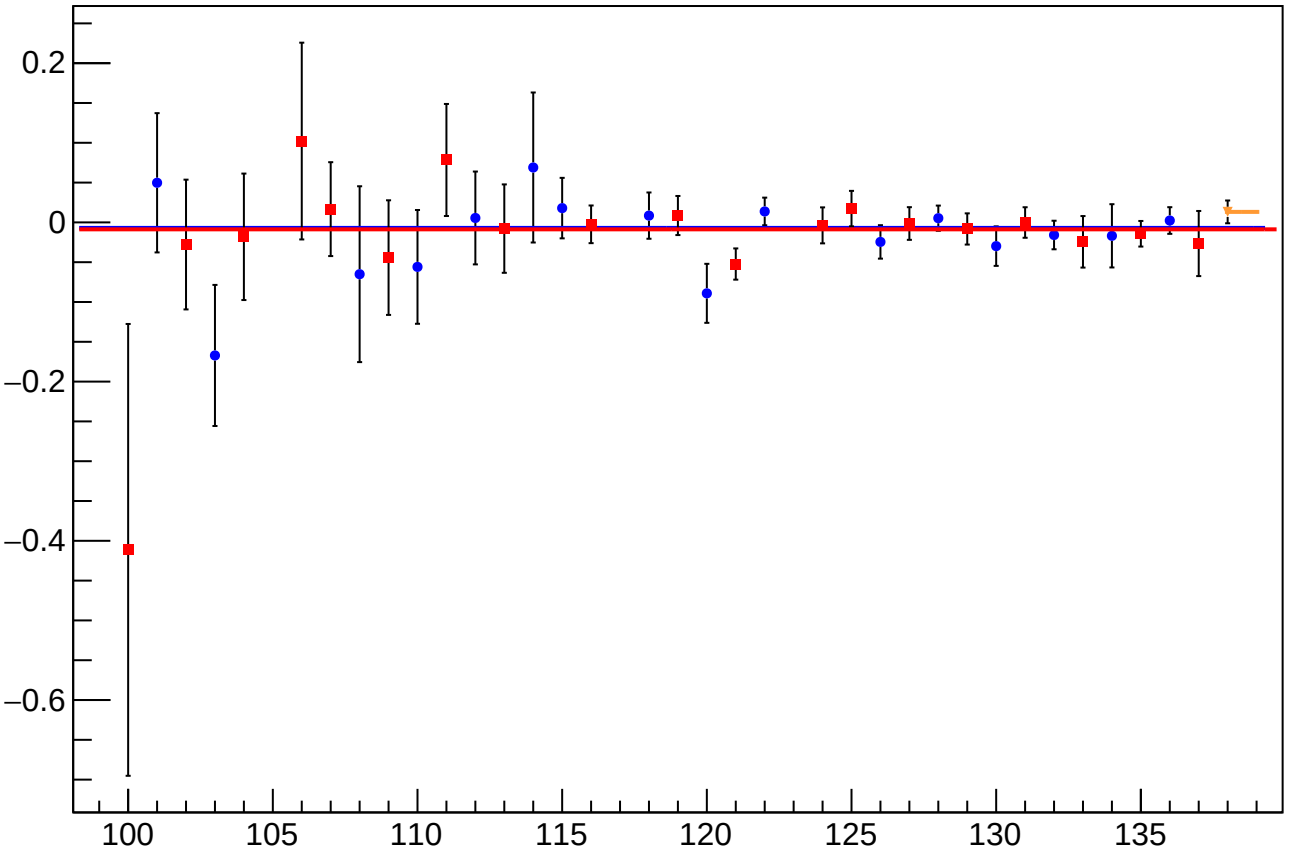
Left: 12.012+/-0.010 χ^2/NDF: 0.0/0

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 15.025+/-0.005 χ^2/NDF:3438279.3/15

Out: 13.960+/-0.004 χ^2/NDF:3673434.9/19

All: 14.417+/-0.003 χ^2/NDF: 7140313.4/35



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.013+/-0.014 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.013+/-0.014 χ^2/NDF: 0.0/0

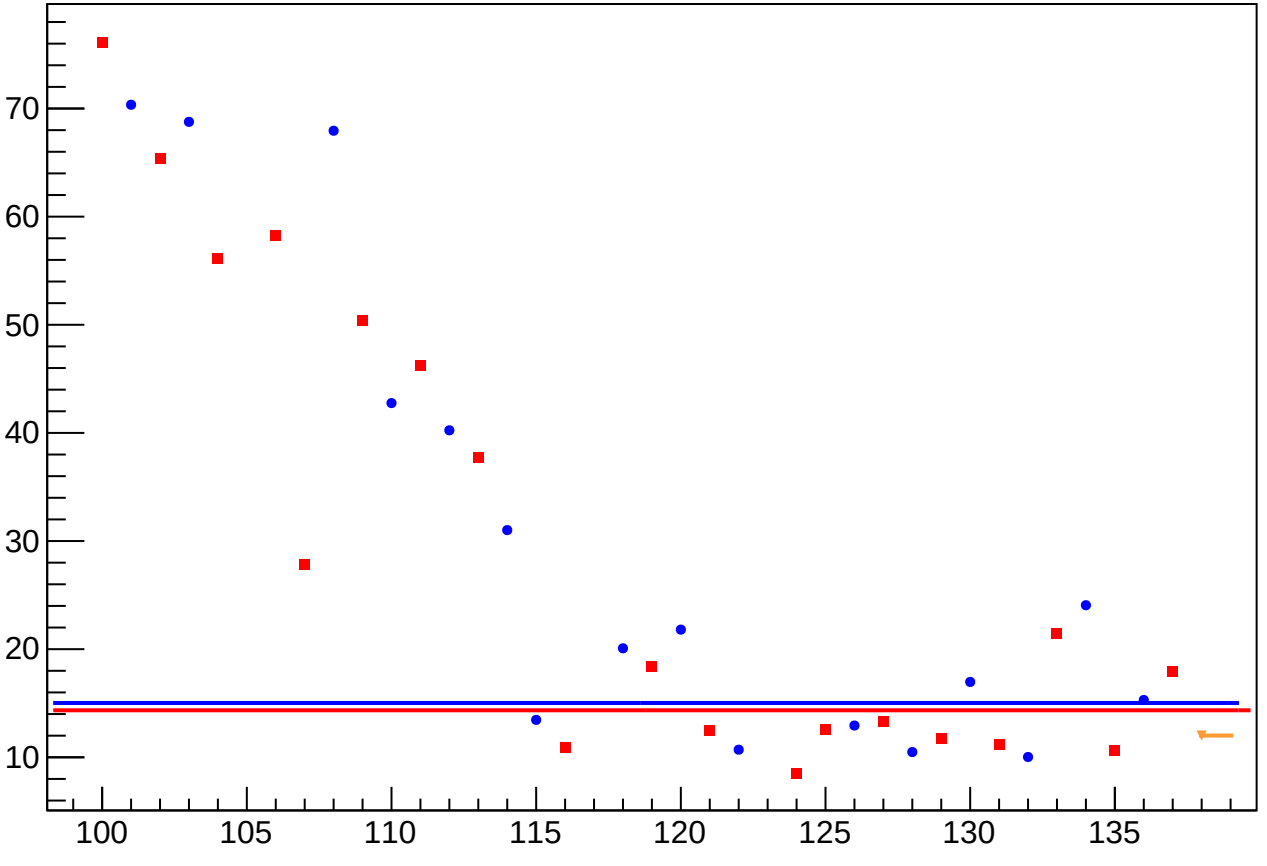
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.007 χ^2/NDF:14.9/15

Out: -0.005+/-0.006 χ^2/NDF:14.6/19

All: -0.006+/-0.004 χ^2/NDF: 29.6/35

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 12.012+/-0.010 χ^2/NDF:0.0/0

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

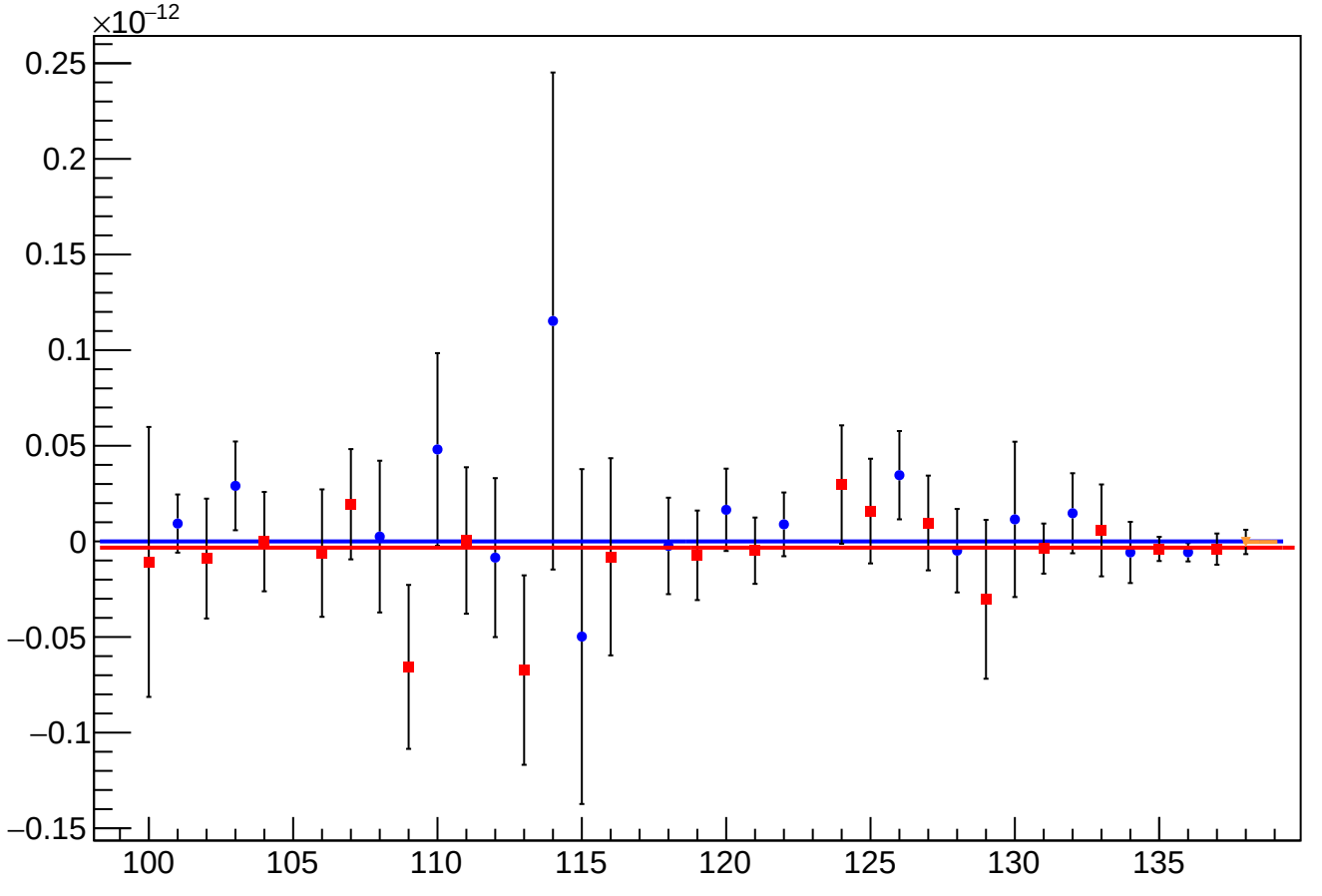
Left: 12.012+/-0.010 χ^2/NDF: 0.0/0

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 15.025+/-0.005 χ^2/NDF:3438279.3/15

Out: 13.960+/-0.004 χ^2/NDF:3673434.9/19

All: 14.417+/-0.003 χ^2/NDF: 7140313.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

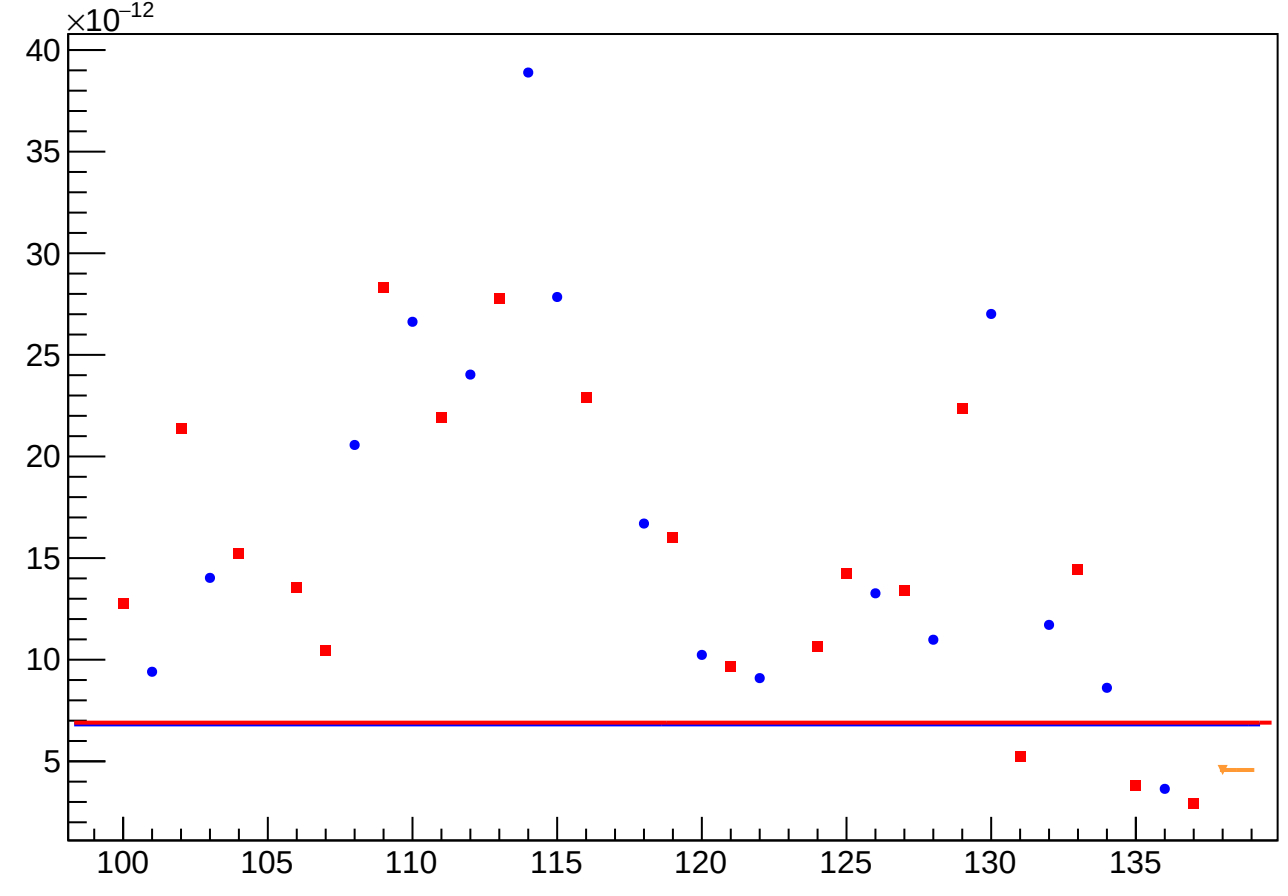
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: -0.000+/-0.000 χ^2/NDF:9.3/15

Out: -0.000+/-0.000 χ^2/NDF:7.2/19

All: -0.000+/-0.000 χ^2/NDF: 16.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

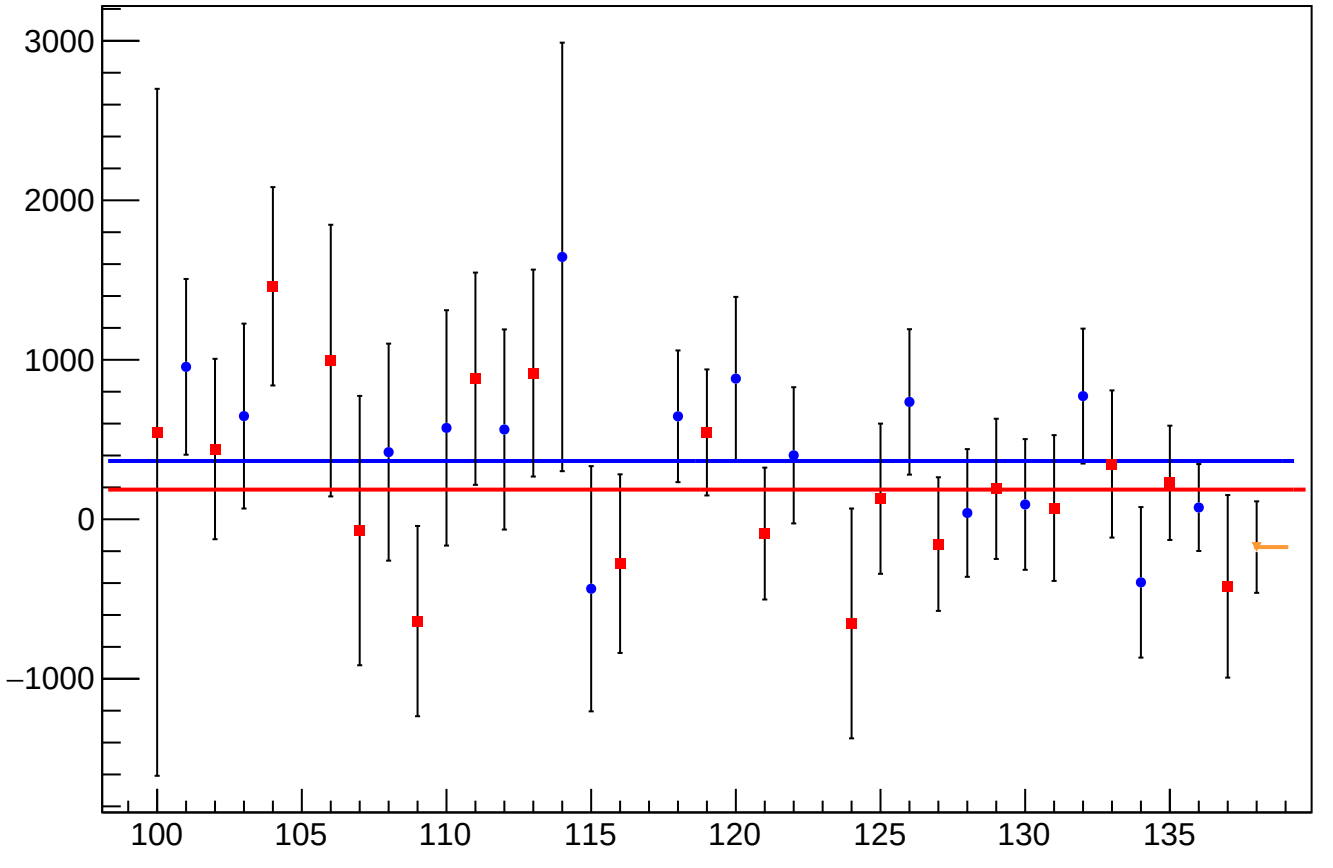
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 7753131.5/34

In: 0.000+/-0.000 χ^2/NDF:3511411.2/15

Out: 0.000+/-0.000 χ^2/NDF:4434864.5/19

All: 0.000+/-0.000 χ^2/NDF: 7970923.7/35



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -174.268+/-286.863 χ^2/NDF:0.0/0

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -174.268+/-286.863 χ^2/NDF: 0.0/0

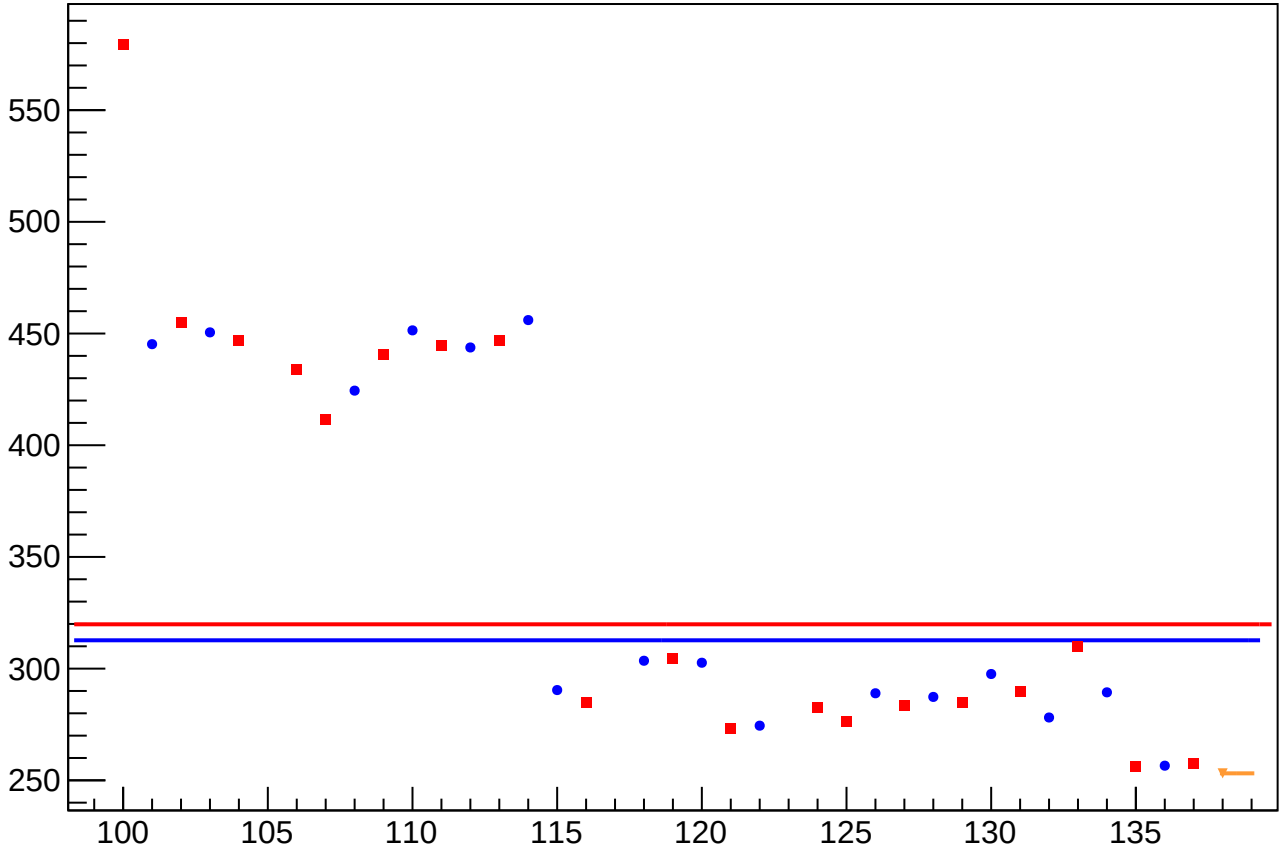
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 365.540+/-118.873 χ^2/NDF:11.5/15

Out: 132.323+/-110.852 χ^2/NDF:16.4/19

All: 240.798+/-81.071 χ^2/NDF: 29.9/35

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 253.124+/-0.203 χ^2/NDF:0.0/0

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

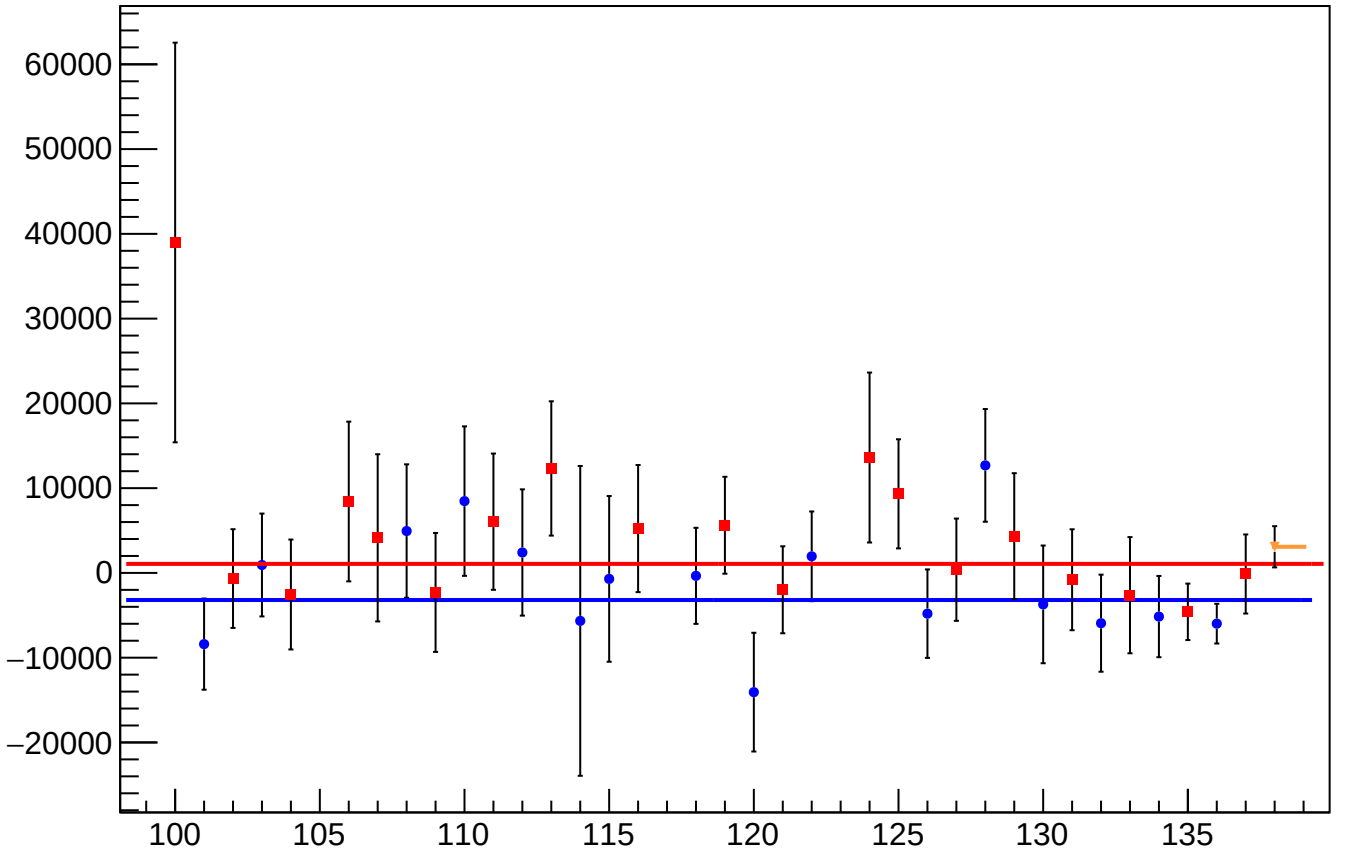
Left: 253.124+/-0.203 χ^2/NDF: 0.0/0

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 312.683+/-0.084 χ^2/NDF:602207.7/15

Out: 309.878+/-0.078 χ^2/NDF:789903.7/19

All: 311.183+/-0.057 χ^2/NDF: 1392706.9/35



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: 3083.162+/-2430.659 χ^2/NDF:0.0/0

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

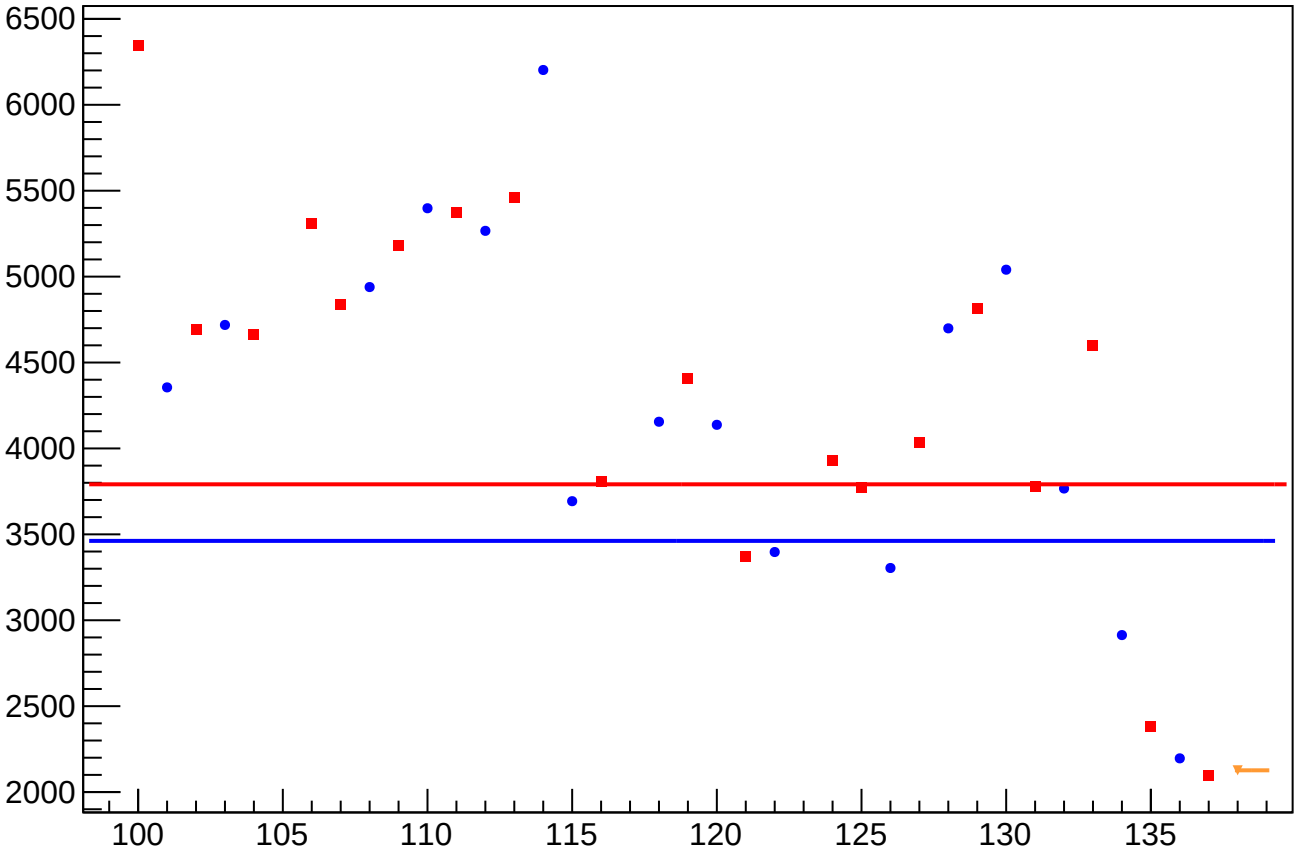
Left: 3083.162+/-2430.659 χ^2/NDF: 0.0/0

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -3198.742+/-1353.814 χ^2/NDF:16.1/15

Out: 1591.793+/-1241.023 χ^2/NDF:14.9/19

All: -595.636+/-914.816 χ^2/NDF: 37.8/35



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2126.604+/-1.719 χ^2/NDF:0.0/0

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2126.604+/-1.719 χ^2/NDF: 0.0/0

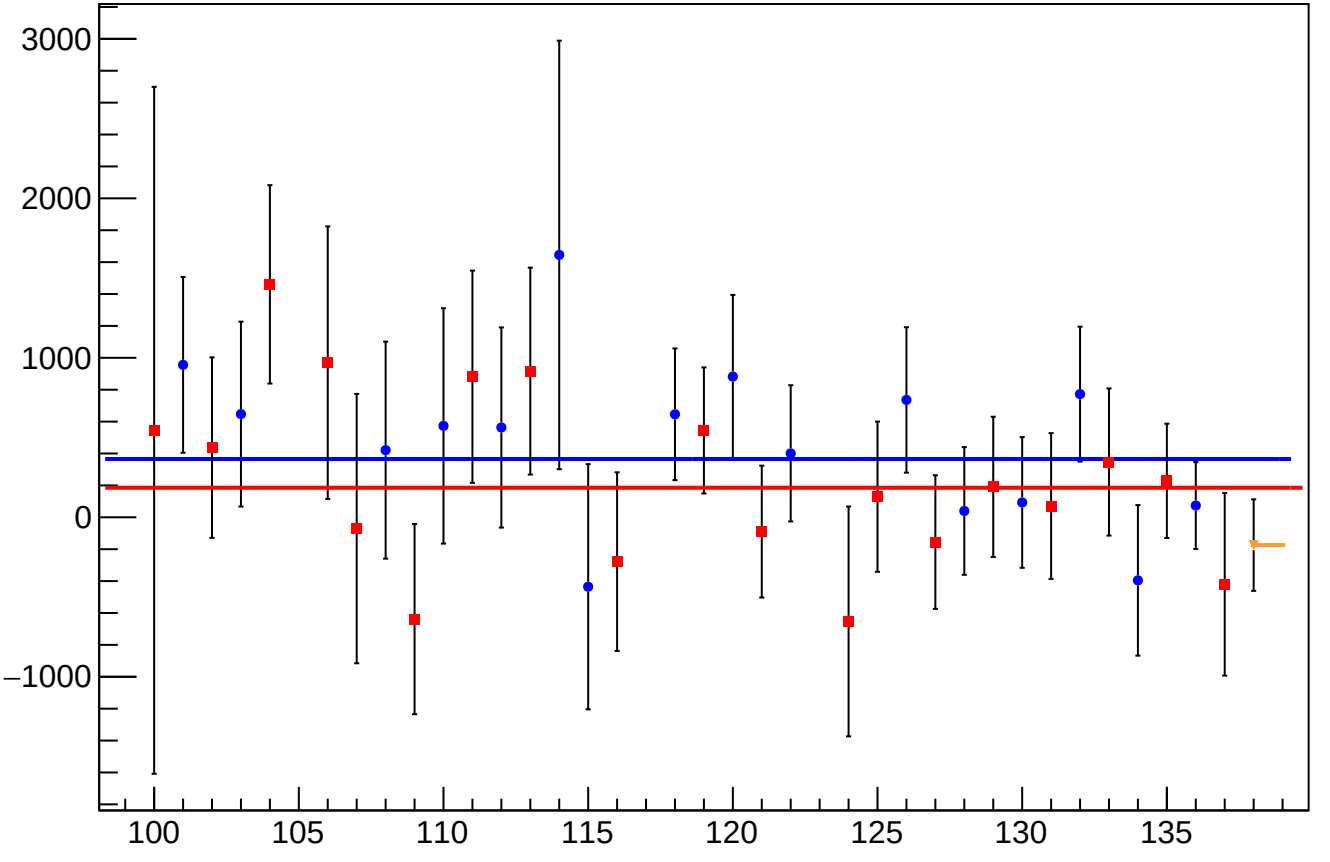
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 3461.927+/-0.957 χ^2/NDF:1309580.1/15

Out: 3357.274+/-0.878 χ^2/NDF:1849236.6/19

All: 3405.060+/-0.647 χ^2/NDF: 3165310.9/35

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -174.266+/-286.863 χ^2/NDF:0.0/0

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -174.266+/-286.863 χ^2/NDF: 0.0/0

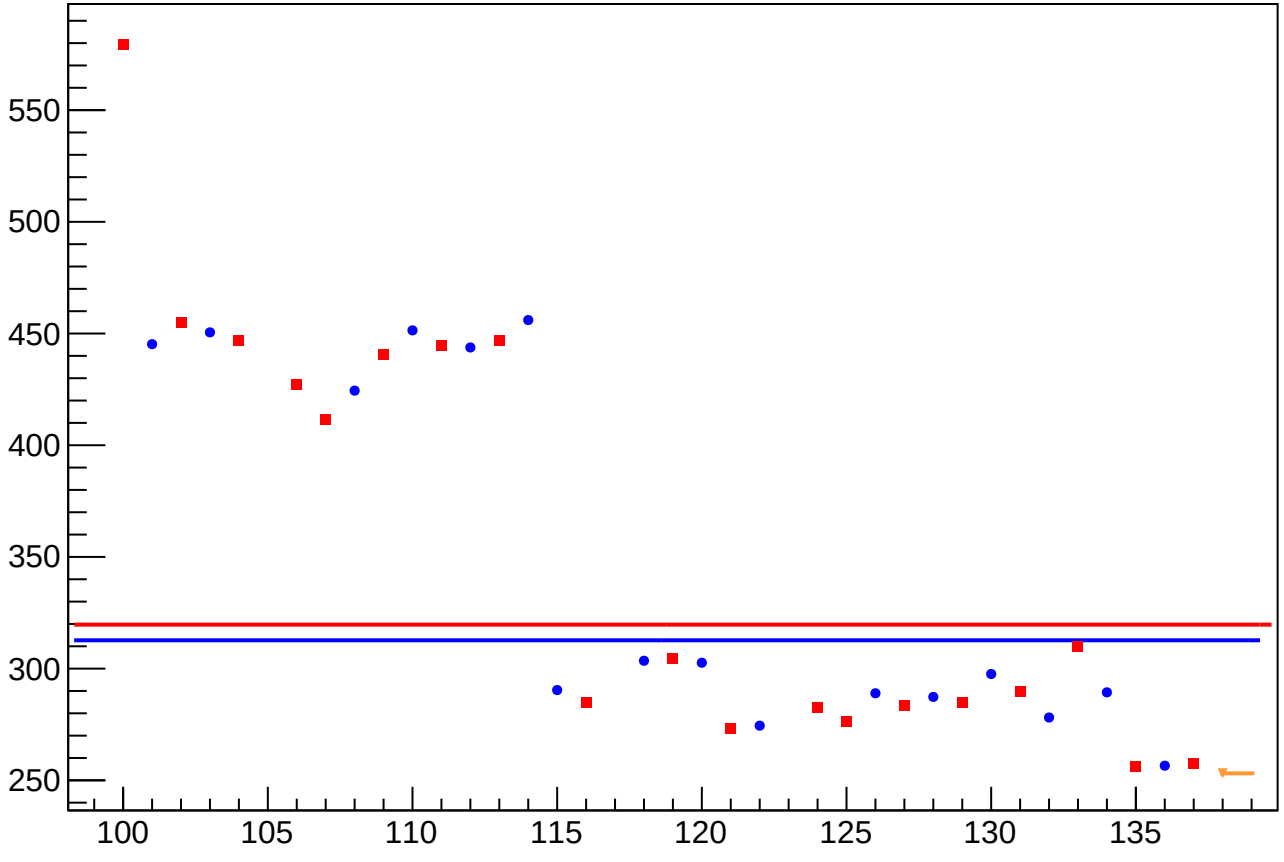
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 365.523+/-118.873 χ^2/NDF:11.5/15

Out: 131.626+/-110.860 χ^2/NDF:16.3/19

All: 240.426+/-81.075 χ^2/NDF: 29.8/35

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 253.124+/-0.203 χ^2/NDF:0.0/0

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

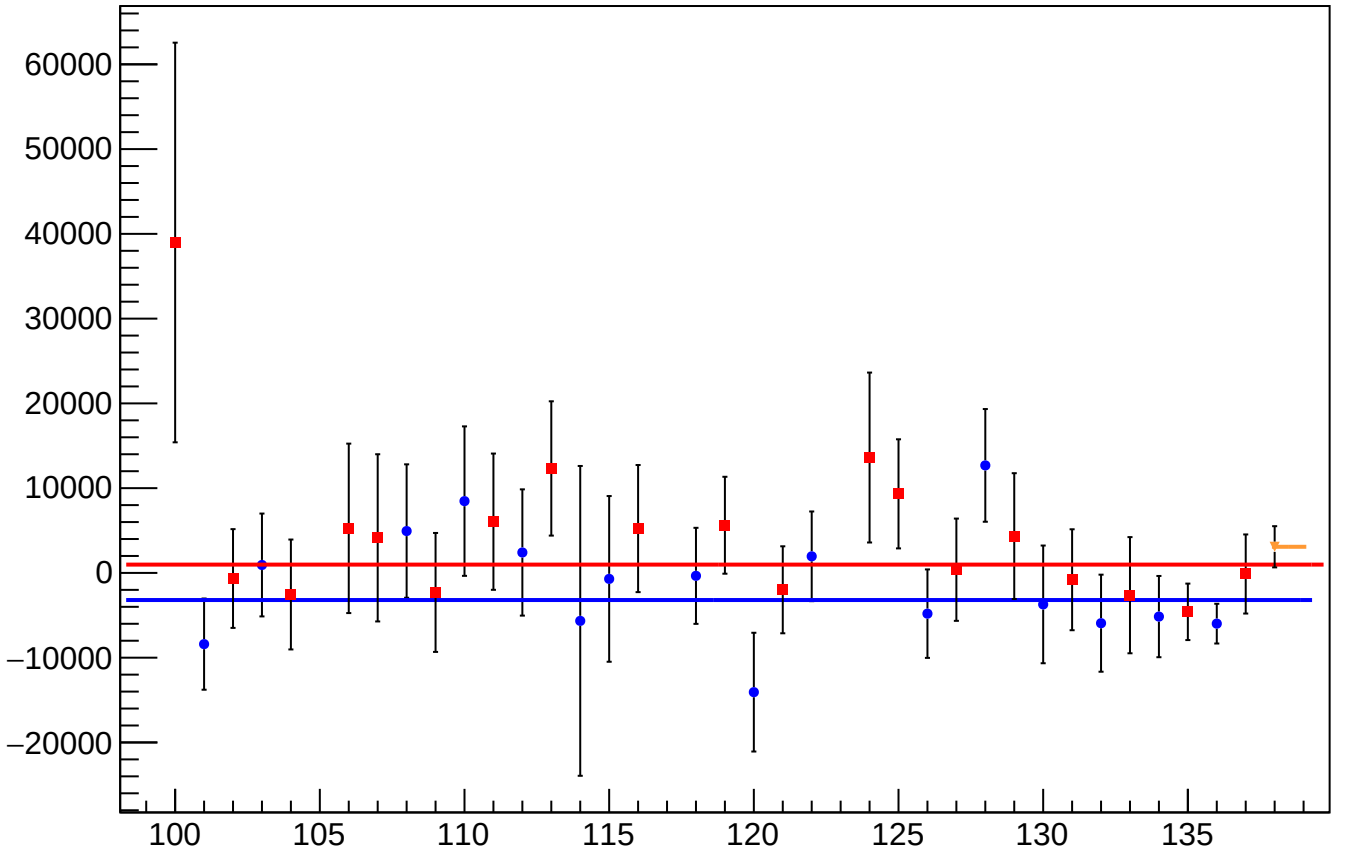
Left: 253.124+/-0.203 χ^2/NDF: 0.0/0

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 312.683+/-0.084 χ^2/NDF:602209.1/15

Out: 309.751+/-0.078 χ^2/NDF:785329.1/19

All: 311.115+/-0.057 χ^2/NDF: 1388189.0/35



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: 3083.119+/-2430.662 χ^2/NDF:0.0/0

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

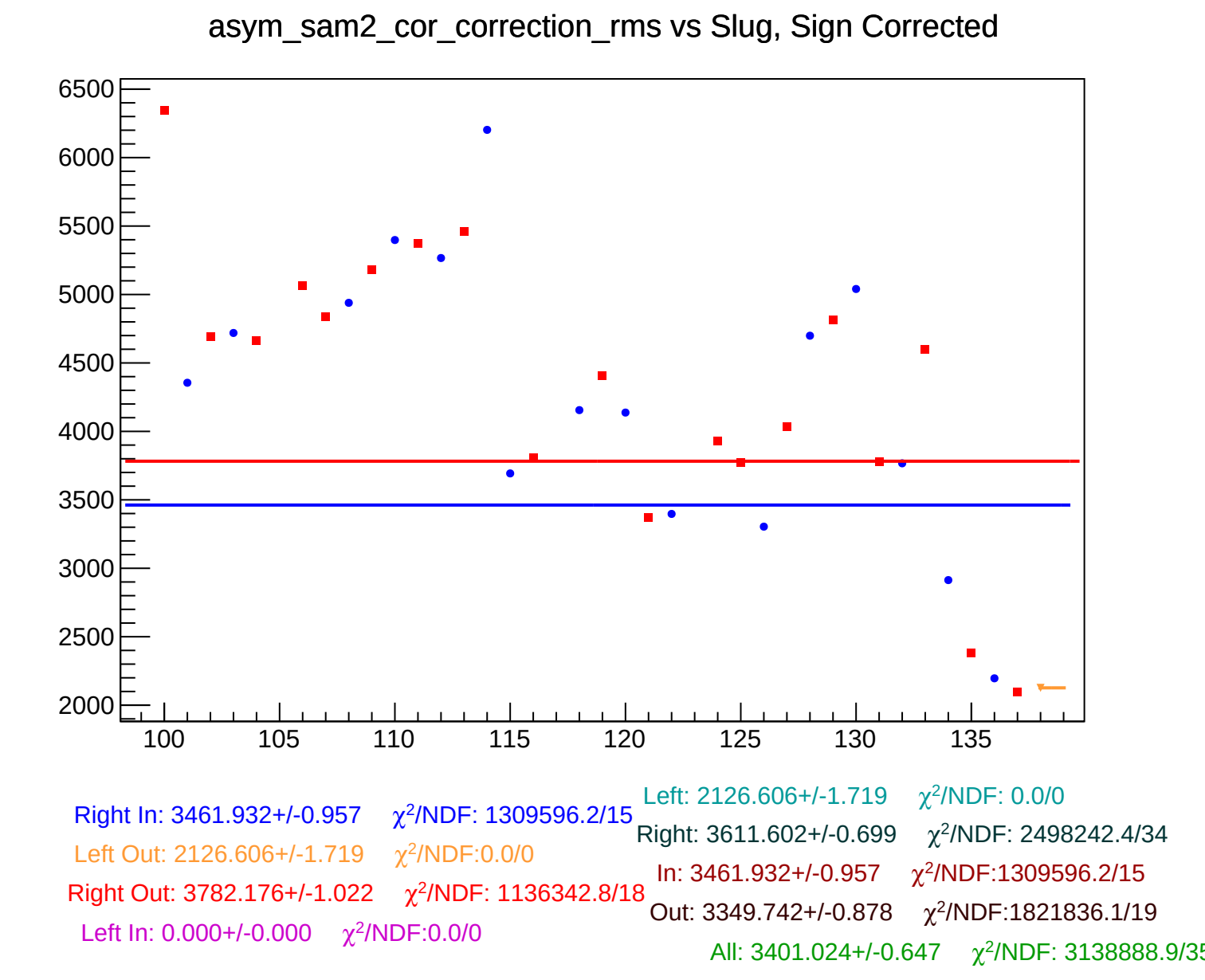
Left: 3083.119+/-2430.662 χ^2/NDF: 0.0/0

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

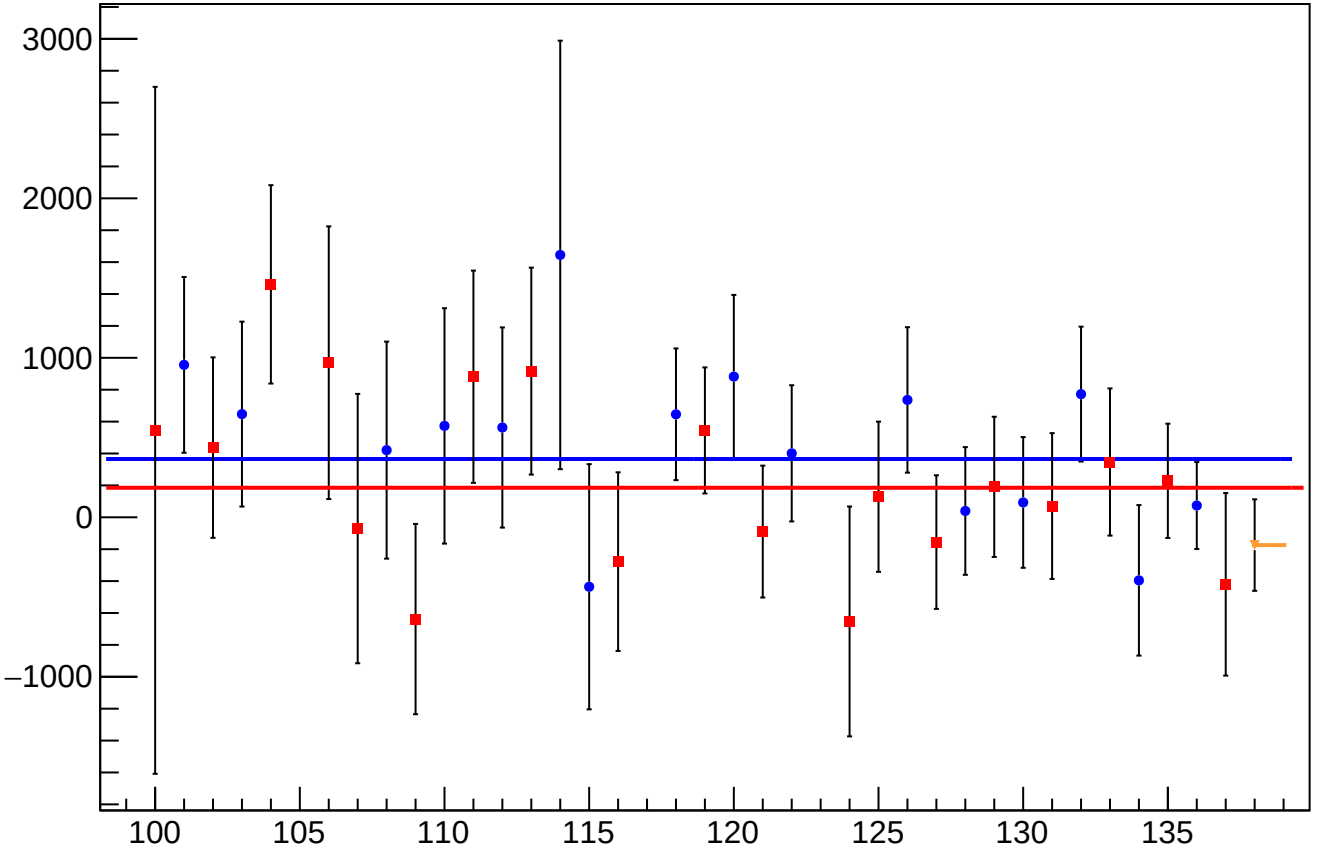
In: -3198.673+/-1353.816 χ^2/NDF:16.1/15

Out: 1530.027+/-1242.255 χ^2/NDF:14.5/19

All: -631.492+/-915.310 χ^2/NDF: 37.2/35


asym_sam2_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
Right In: 3461.932+/-0.957 χ²/NDF: 1309596.2/15
Left Out: 2126.606+/-1.719 χ²/NDF:0.0/0
Right Out: 3782.176+/-1.022 χ²/NDF: 1136342.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 2126.606+/-1.719 χ²/NDF: 0.0/0
Right: 3611.602+/-0.699 χ²/NDF: 2498242.4/34
In: 3461.932+/-0.957 χ²/NDF:1309596.2/15
Out: 3349.742+/-0.878 χ²/NDF:1821836.1/19
All: 3401.024+/-0.647 χ²/NDF: 3138888.9/35

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -174.266+/-286.863 χ^2/NDF:0.0/0

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

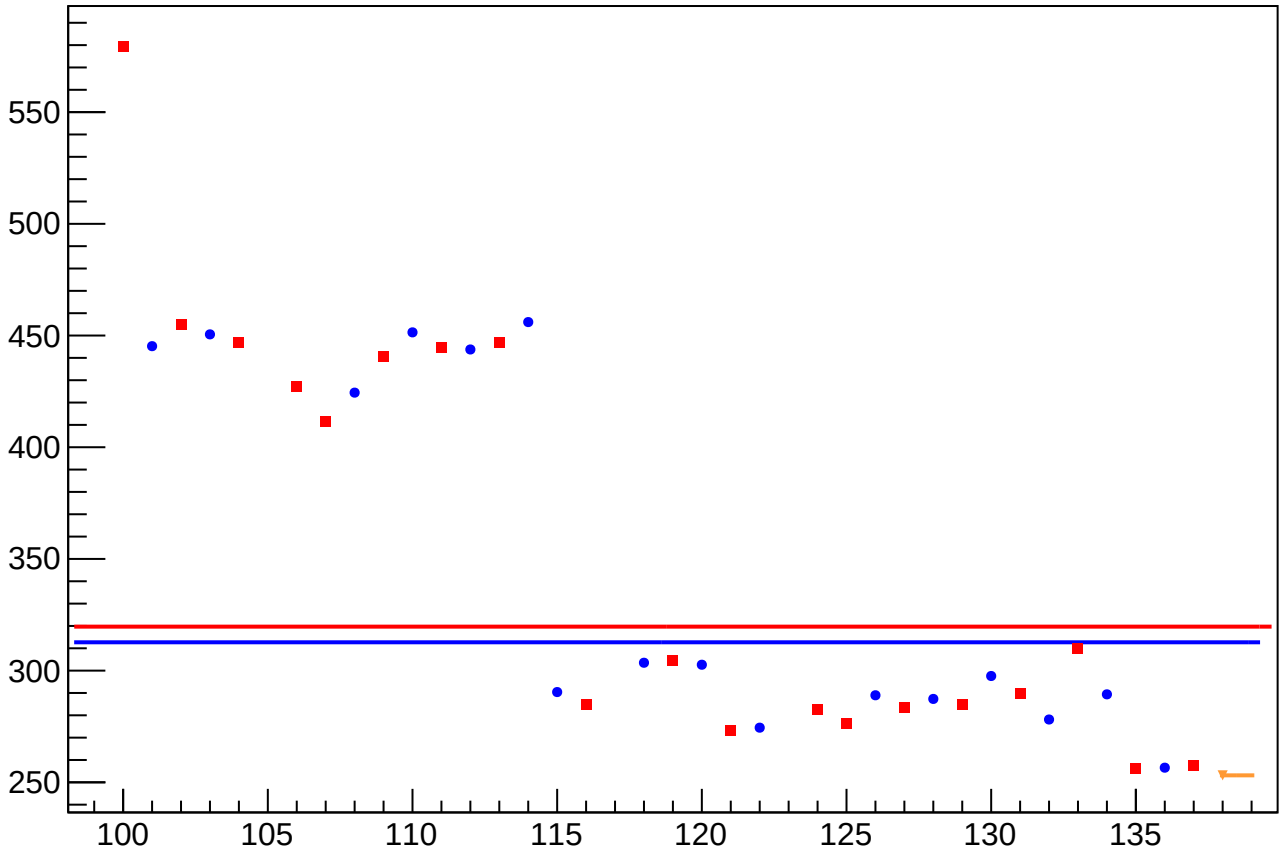
Left: -174.266+/-286.863 χ^2/NDF: 0.0/0

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 365.523+/-118.873 χ^2/NDF:11.5/15

Out: 131.626+/-110.860 χ^2/NDF:16.3/19

All: 240.426+/-81.075 χ^2/NDF: 29.8/35



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 253.124+/-0.203 χ^2/NDF:0.0/0

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

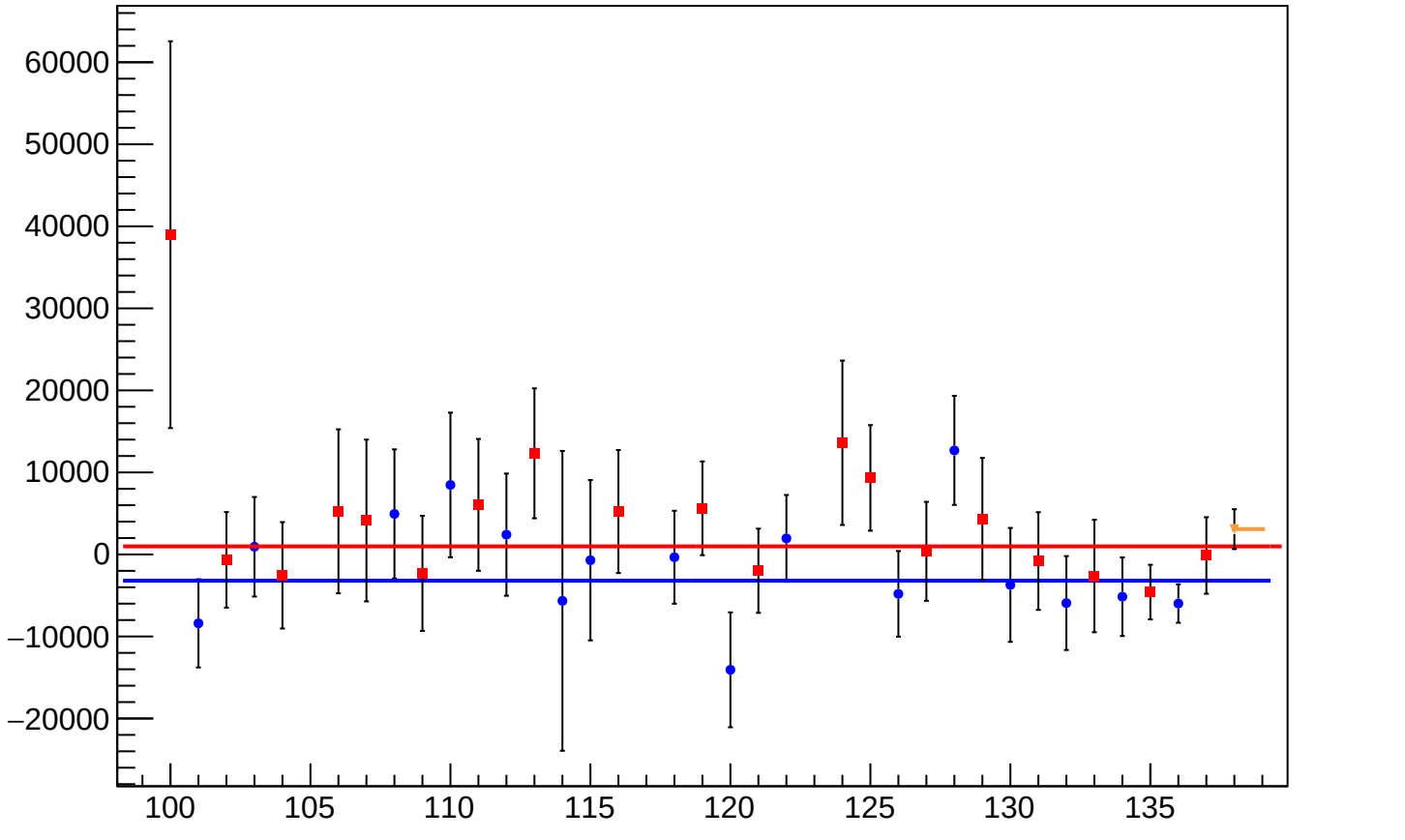
Left: 253.124+/-0.203 χ^2/NDF: 0.0/0

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 312.683+/-0.084 χ^2/NDF:602209.1/15

Out: 309.751+/-0.078 χ^2/NDF:785329.1/19

All: 311.115+/-0.057 χ^2/NDF: 1388189.0/35



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: 3083.119+/-2430.662 χ^2/NDF:0.0/0

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

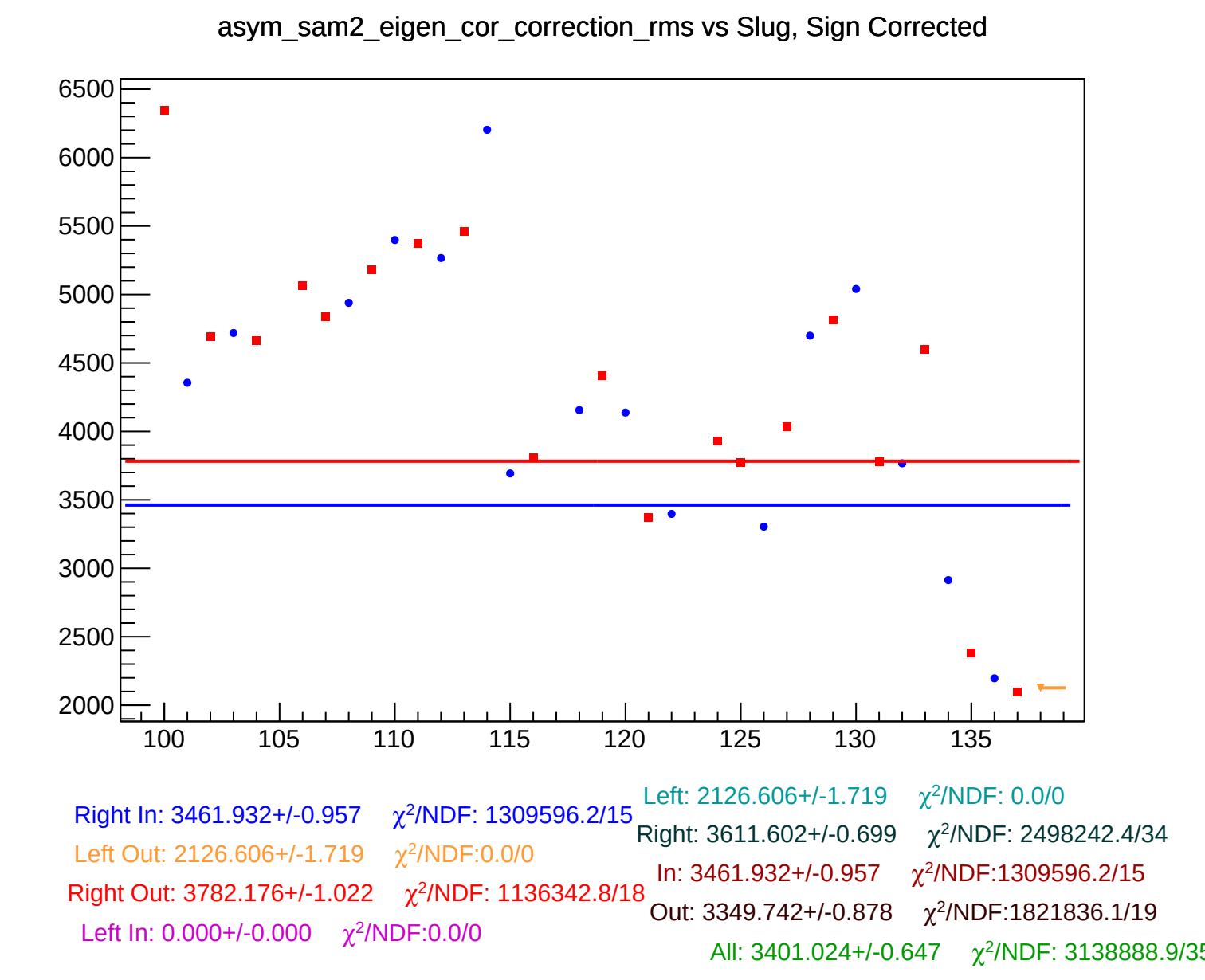
Left: 3083.119+/-2430.662 χ^2/NDF: 0.0/0

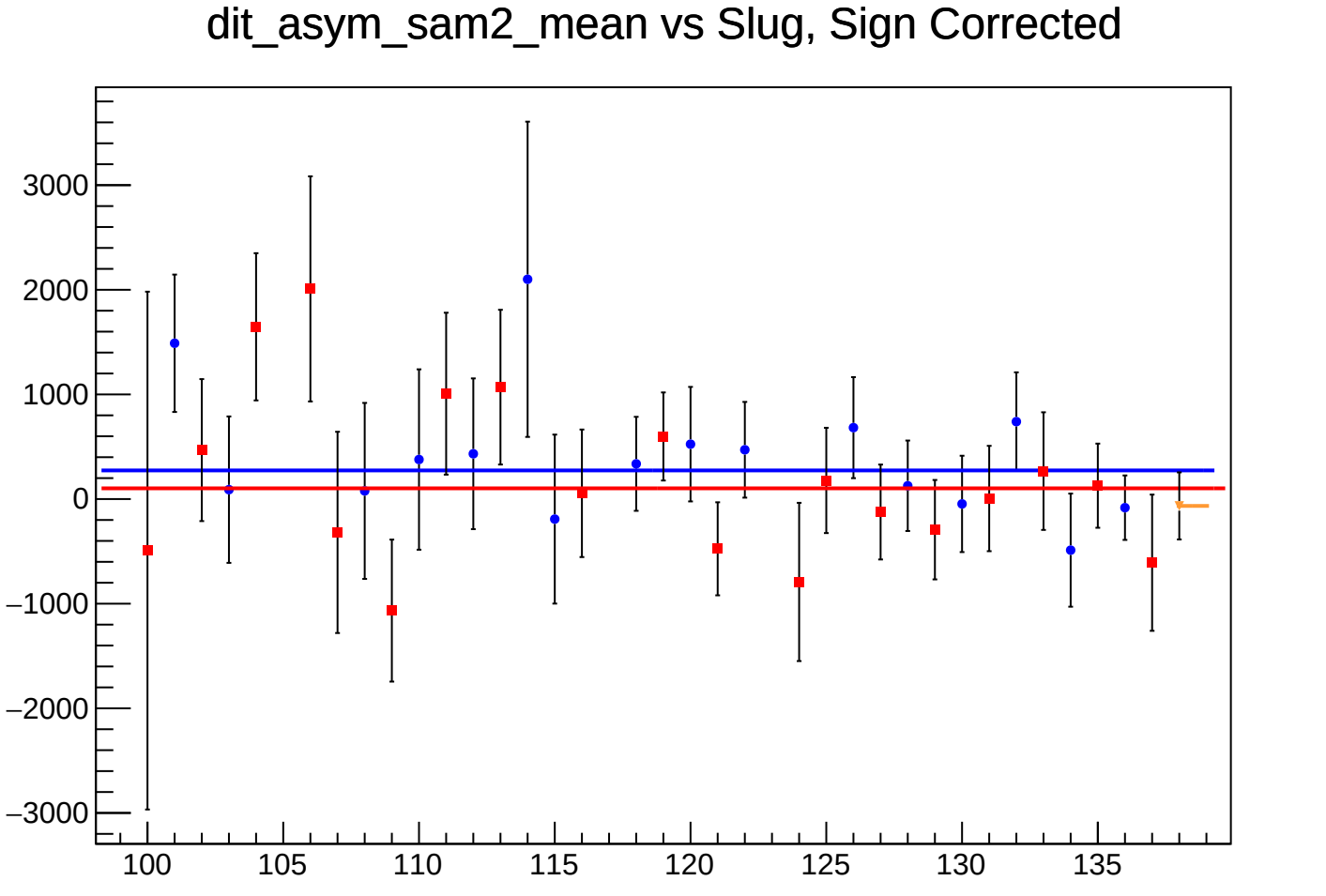
Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -3198.673+/-1353.816 χ^2/NDF:16.1/15

Out: 1530.027+/-1242.255 χ^2/NDF:14.5/19

All: -631.492+/-915.310 χ^2/NDF: 37.2/35


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
Right In: 3461.932+/-0.957 χ²/NDF: 1309596.2/15
Left Out: 2126.606+/-1.719 χ²/NDF:0.0/0
Right Out: 3782.176+/-1.022 χ²/NDF: 1136342.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 2126.606+/-1.719 χ²/NDF: 0.0/0
Right: 3611.602+/-0.699 χ²/NDF: 2498242.4/34
In: 3461.932+/-0.957 χ²/NDF:1309596.2/15
Out: 3349.742+/-0.878 χ²/NDF:1821836.1/19
All: 3401.024+/-0.647 χ²/NDF: 3138888.9/35



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -65.642+/-320.433 χ^2/NDF:0.0/0

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -65.642+/-320.433 χ^2/NDF: 0.0/0

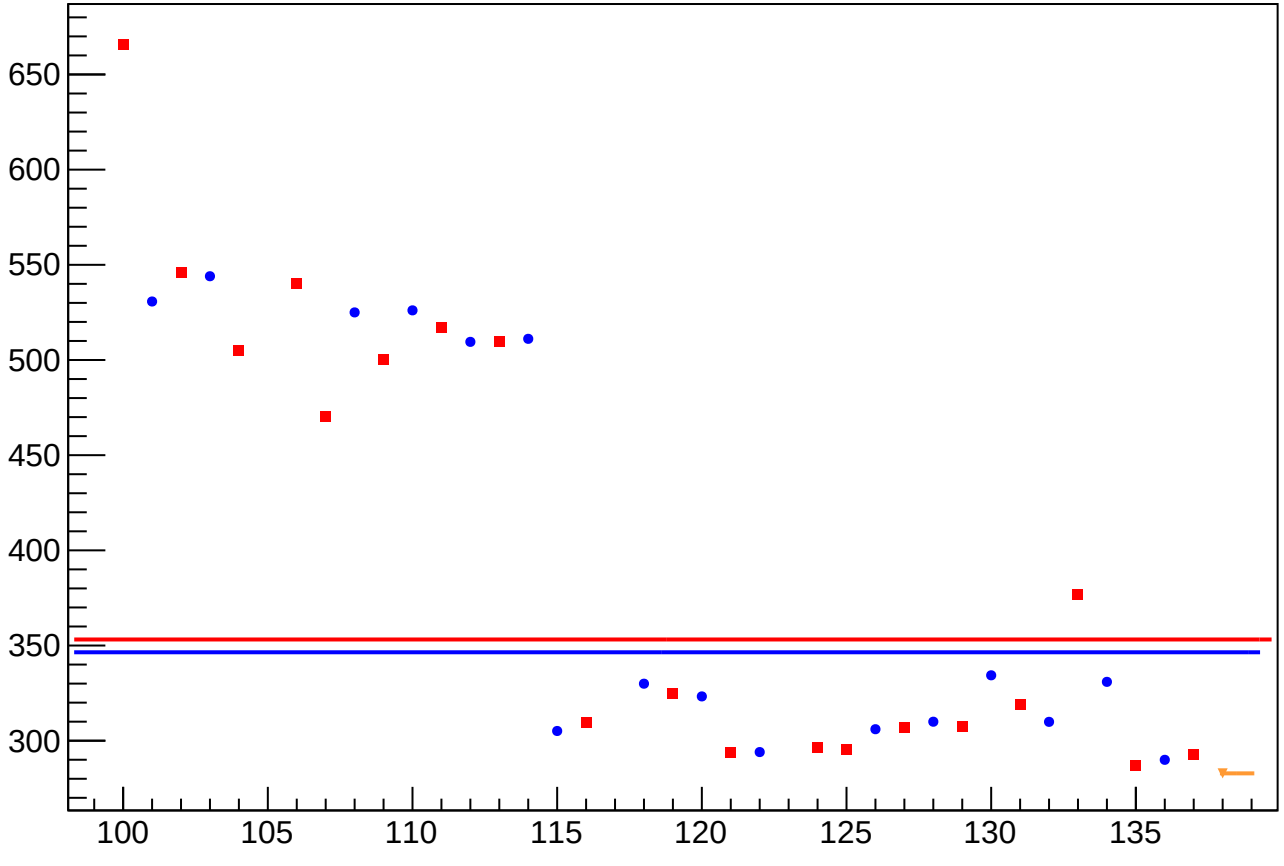
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: 273.578+/-132.537 χ^2/NDF:11.4/15

Out: 77.486+/-123.316 χ^2/NDF:21.5/19

All: 168.474+/-90.282 χ^2/NDF: 34.2/35

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 282.843+/-0.227 χ^2/NDF:0.0/0

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

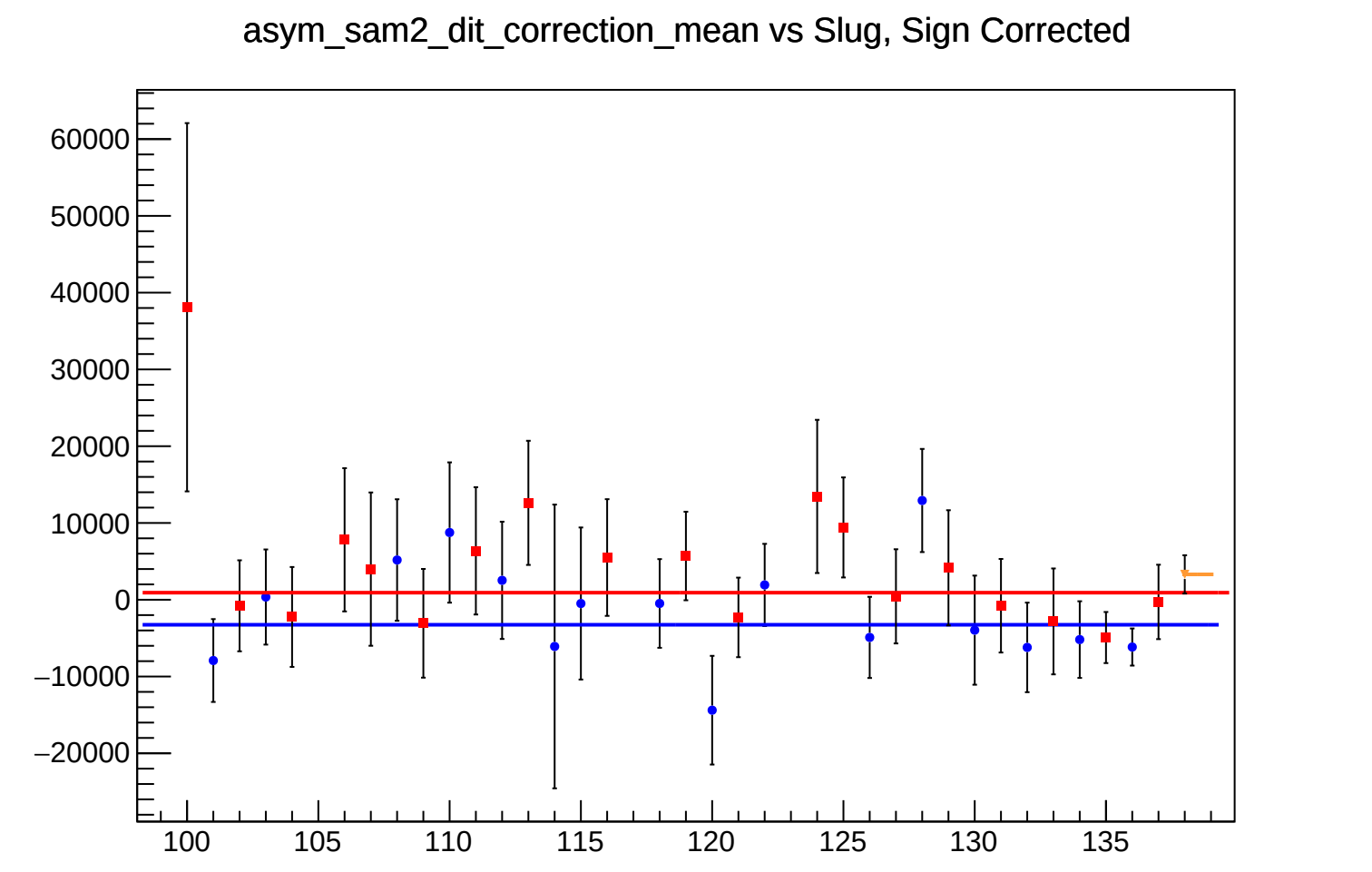
Left: 282.843+/-0.227 χ^2/NDF: 0.0/0

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 346.455+/-0.094 χ^2/NDF:768763.1/15

Out: 342.761+/-0.087 χ^2/NDF:948452.5/19

All: 344.475+/-0.064 χ^2/NDF: 1718048.4/35



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: 3302.877+/-2492.761 χ^2/NDF:0.0/0

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

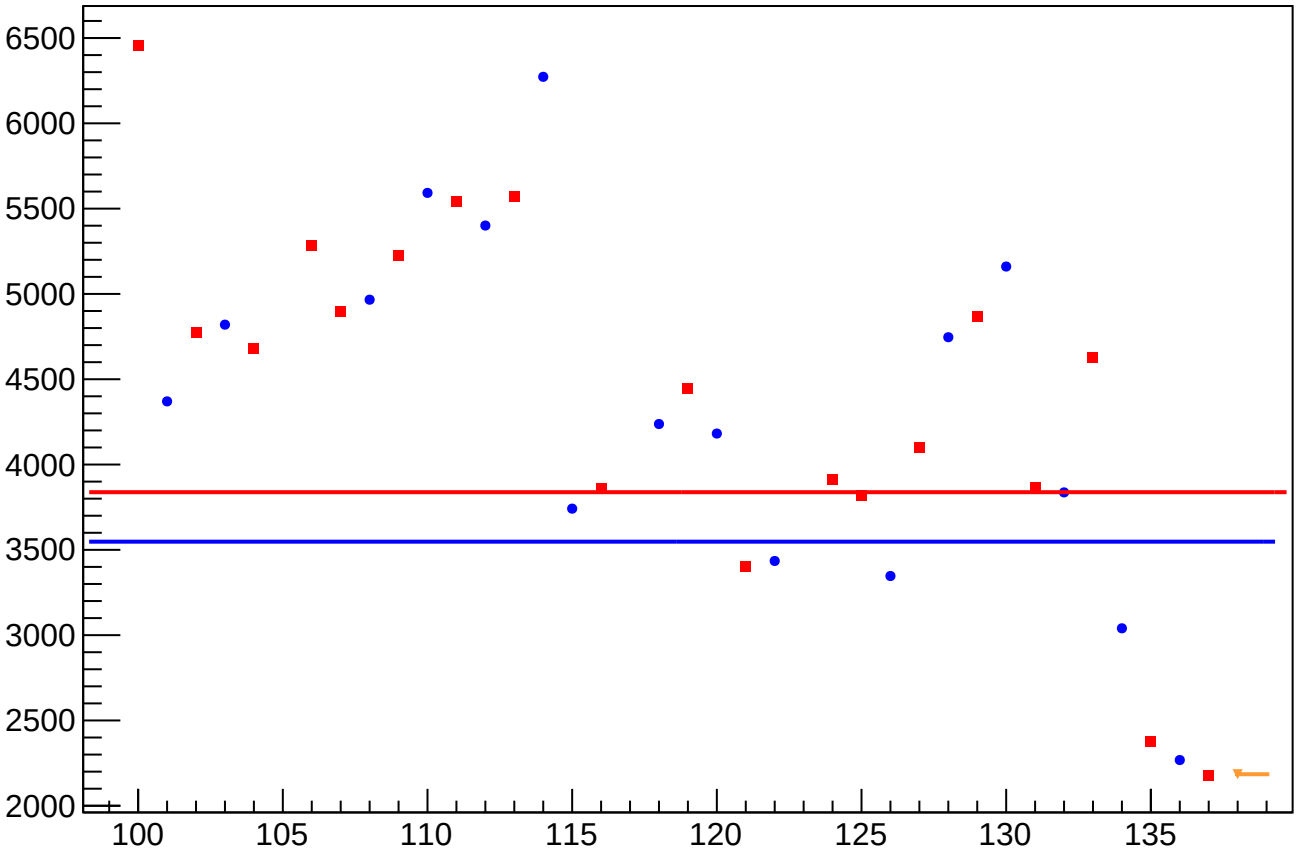
Left: 3302.877+/-2492.761 χ^2/NDF: 0.0/0

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -3258.837+/-1384.139 χ^2/NDF:16.0/15

Out: 1529.977+/-1260.287 χ^2/NDF:15.3/19

All: -640.635+/-931.873 χ^2/NDF: 37.9/35



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2184.868+/-1.763 χ^2/NDF:0.0/0

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

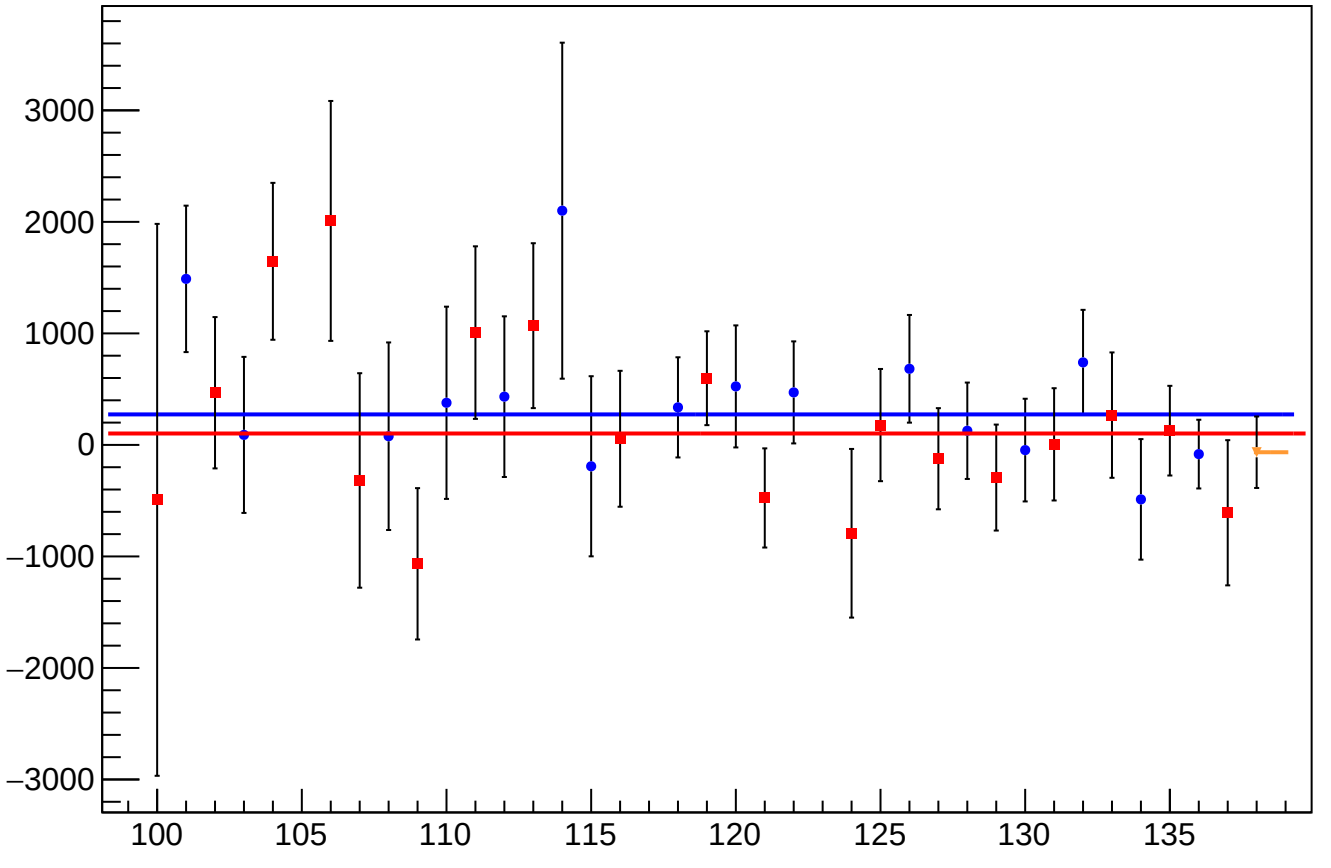
Left: 2184.868+/-1.763 χ^2/NDF: 0.0/0

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 3547.969+/-0.979 χ^2/NDF:1258486.8/15

Out: 3415.421+/-0.891 χ^2/NDF:1810571.0/19

All: 3475.501+/-0.659 χ^2/NDF: 3079085.4/35



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -65.660+/-320.432 χ^2/NDF:0.0/0

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

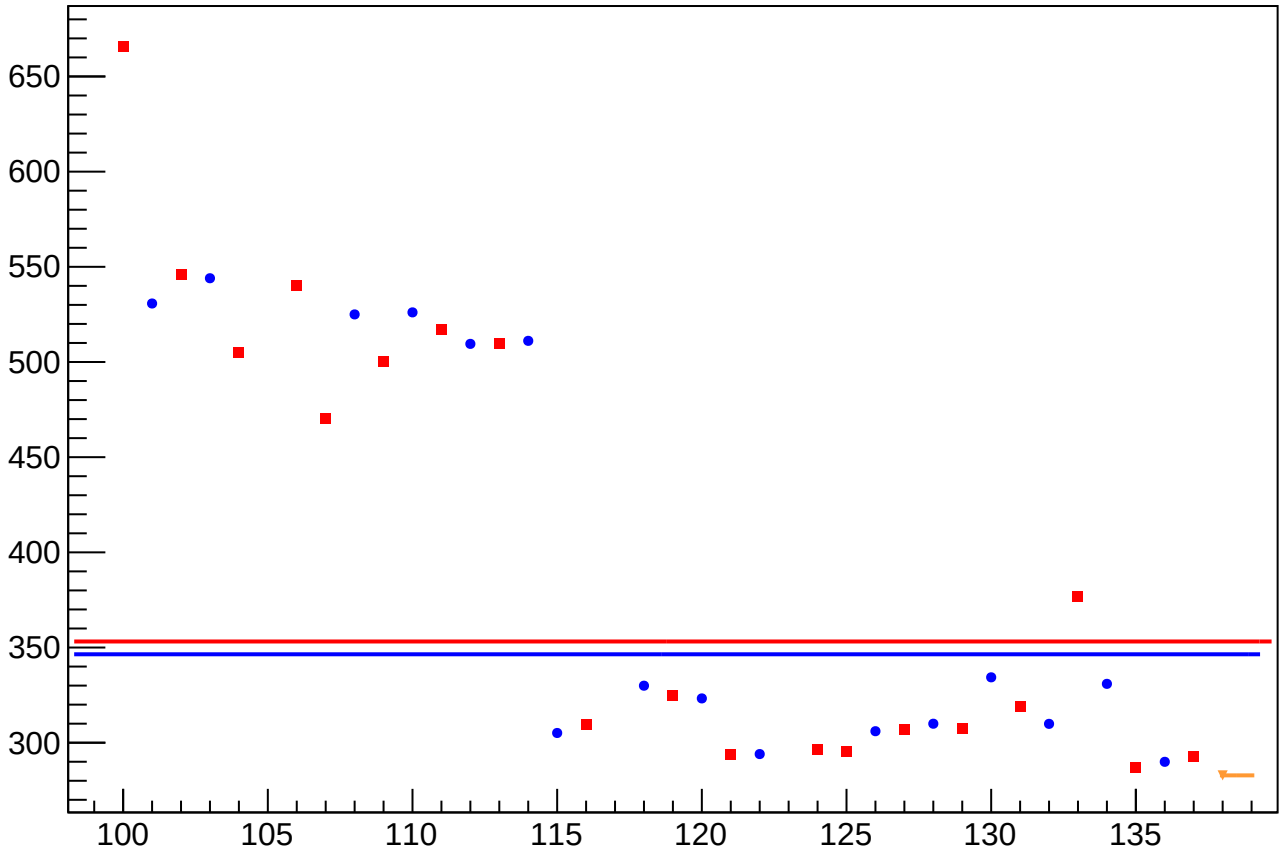
Left: -65.660+/-320.432 χ^2/NDF: 0.0/0

Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: 273.582+/-132.536 χ^2/NDF:11.4/15

Out: 77.482+/-123.316 χ^2/NDF:21.5/19

All: 168.474+/-90.281 χ^2/NDF: 34.2/35



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 282.842+/-0.227 χ^2/NDF:0.0/0

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

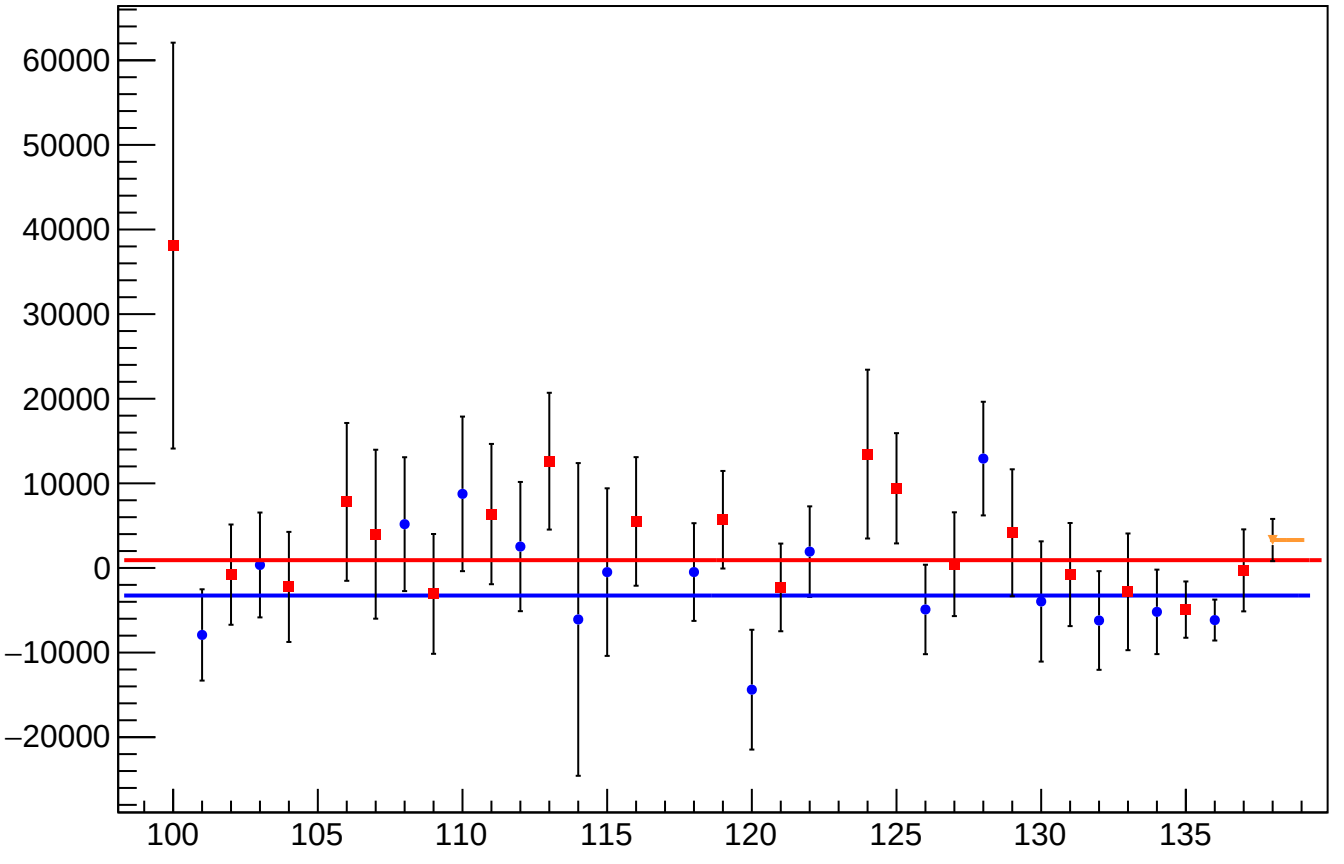
Left: 282.842+/-0.227 χ^2/NDF: 0.0/0

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 346.453+/-0.094 χ^2/NDF:768754.7/15

Out: 342.760+/-0.087 χ^2/NDF:948441.2/19

All: 344.473+/-0.064 χ^2/NDF: 1718028.3/35



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: 3302.856+/-2492.753 χ^2/NDF:0.0/0

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

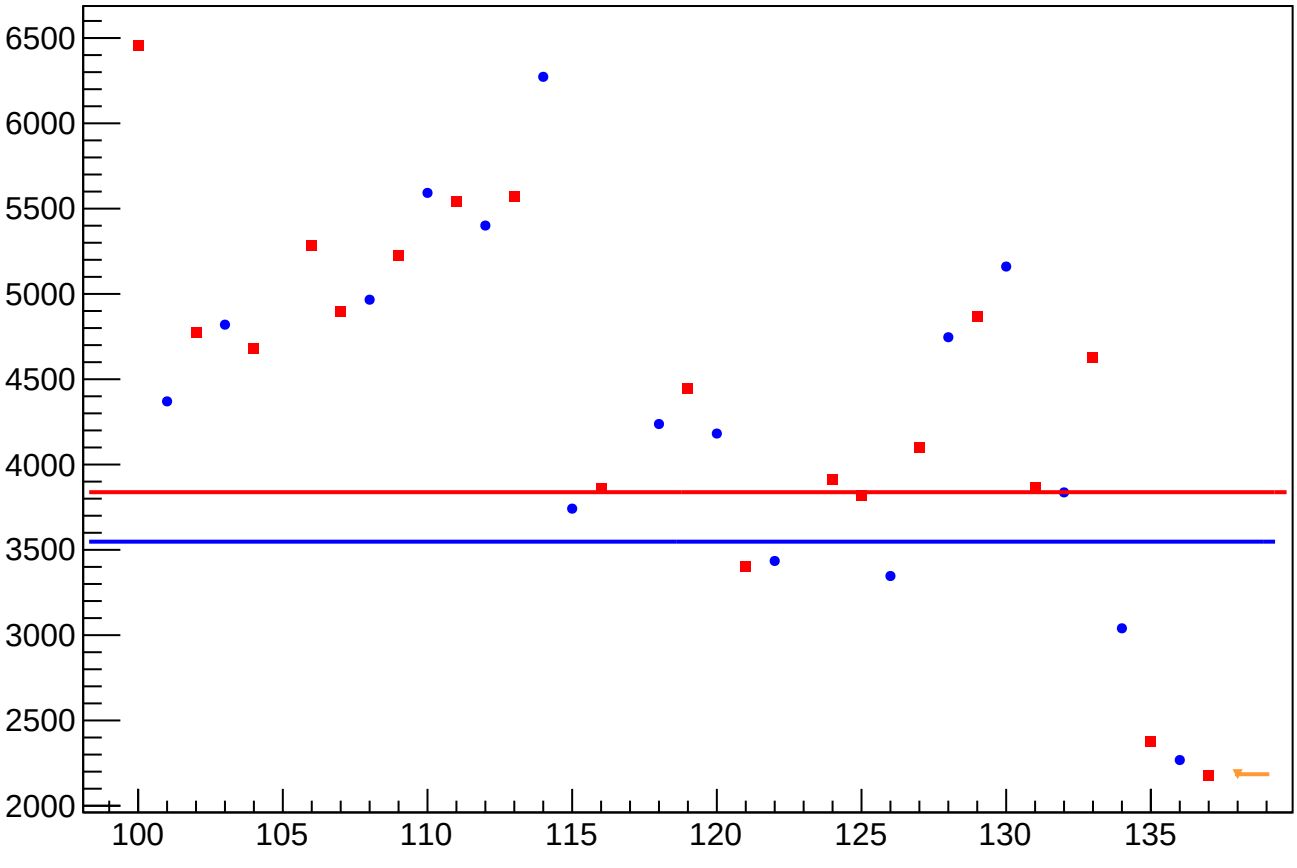
Left: 3302.856+/-2492.753 χ^2/NDF: 0.0/0

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -3258.828+/-1384.137 χ^2/NDF:16.0/15

Out: 1529.976+/-1260.284 χ^2/NDF:15.3/19

All: -640.631+/-931.872 χ^2/NDF: 37.9/35



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2184.862+/-1.763 χ^2/NDF:0.0/0

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2184.862+/-1.763 χ^2/NDF: 0.0/0

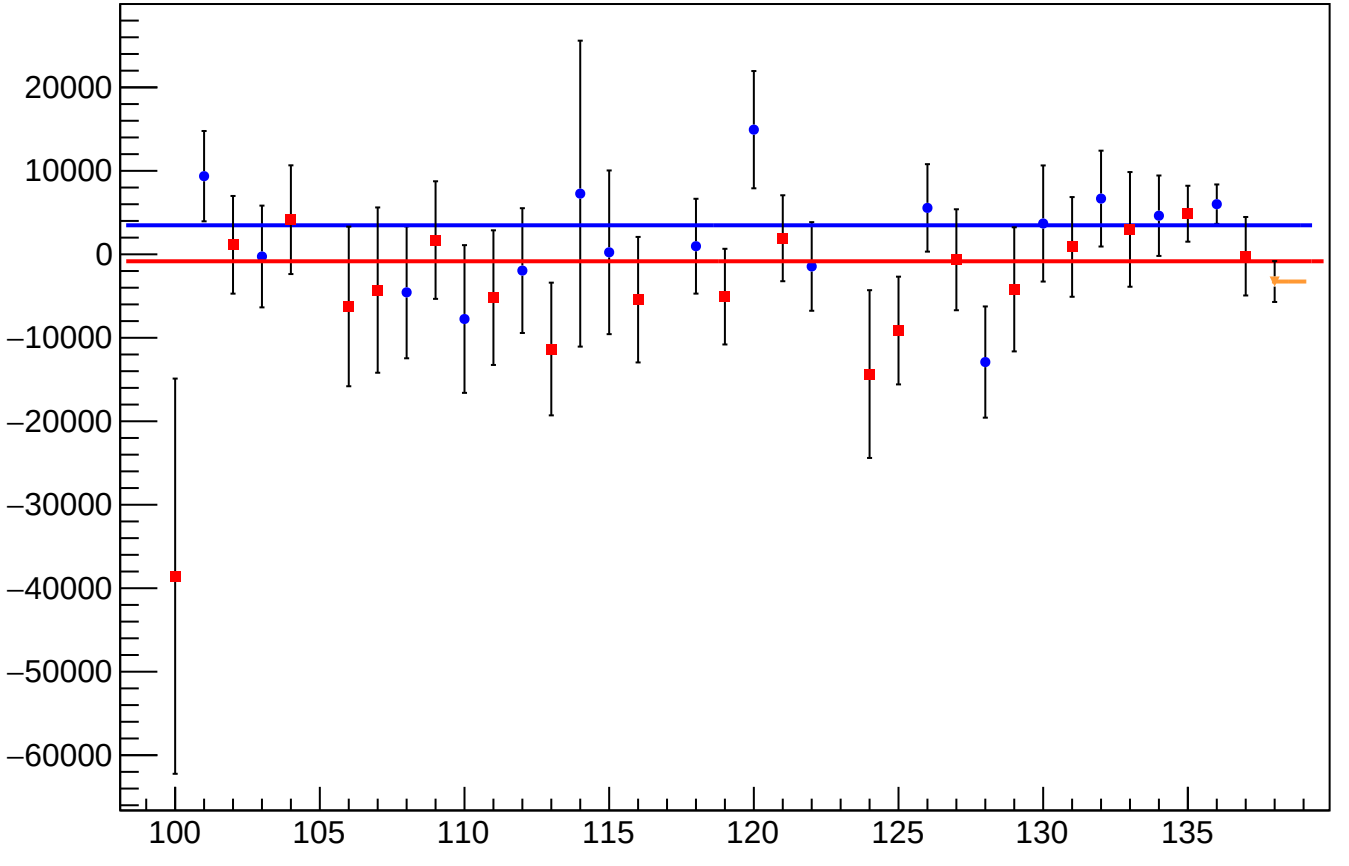
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 3547.966+/-0.979 χ^2/NDF:1258472.8/15

Out: 3415.415+/-0.891 χ^2/NDF:1810565.6/19

All: 3475.496+/-0.659 χ^2/NDF: 3079066.4/35

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: -3259.144+/-2448.313 χ^2/NDF:0.0/0

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -3259.144+/-2448.313 χ^2/NDF: 0.0/0

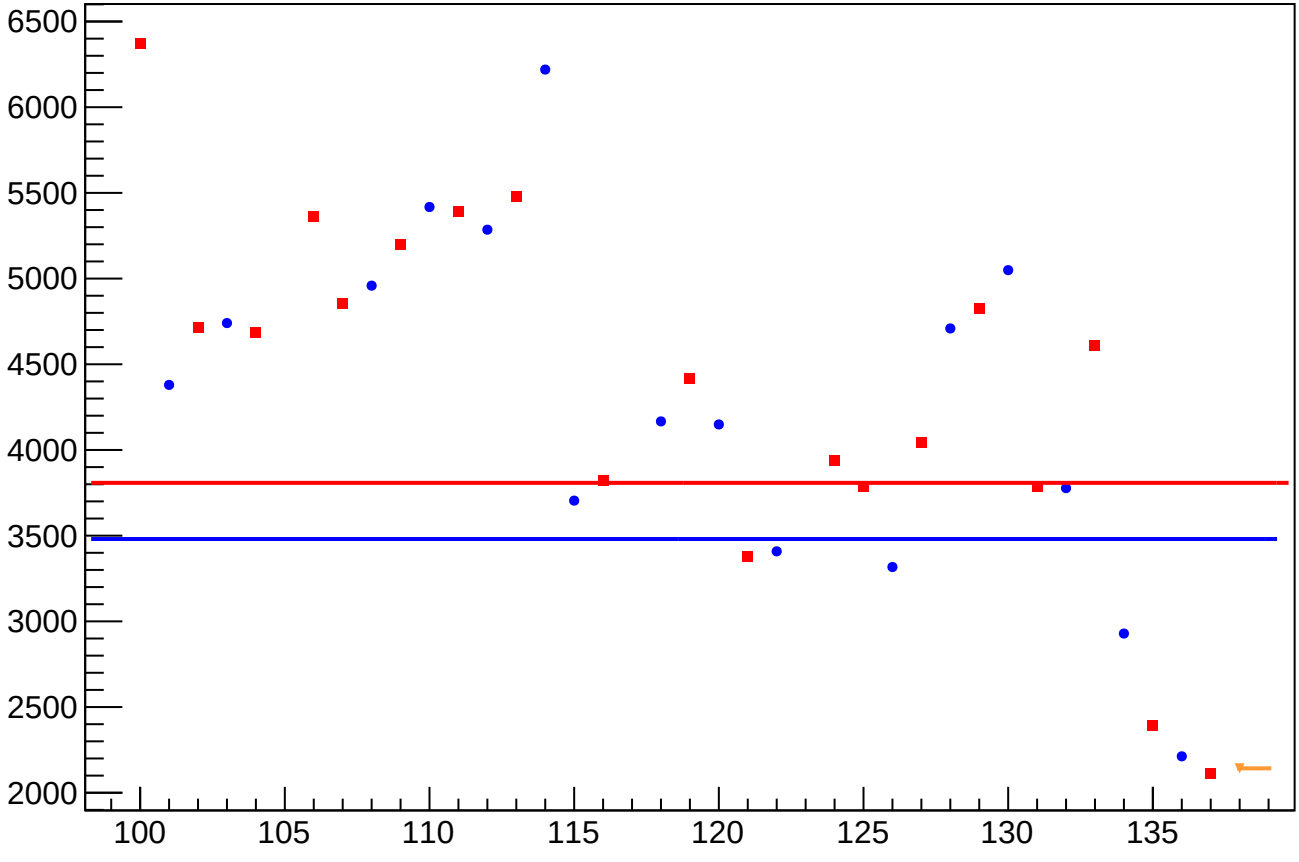
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 3478.372+/-1360.356 χ^2/NDF:16.3/15

Out: -1462.468+/-1247.389 χ^2/NDF:14.8/19

All: 794.317+/-919.385 χ^2/NDF: 38.2/35

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2142.500+/-1.731 χ^2/NDF:0.0/0

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

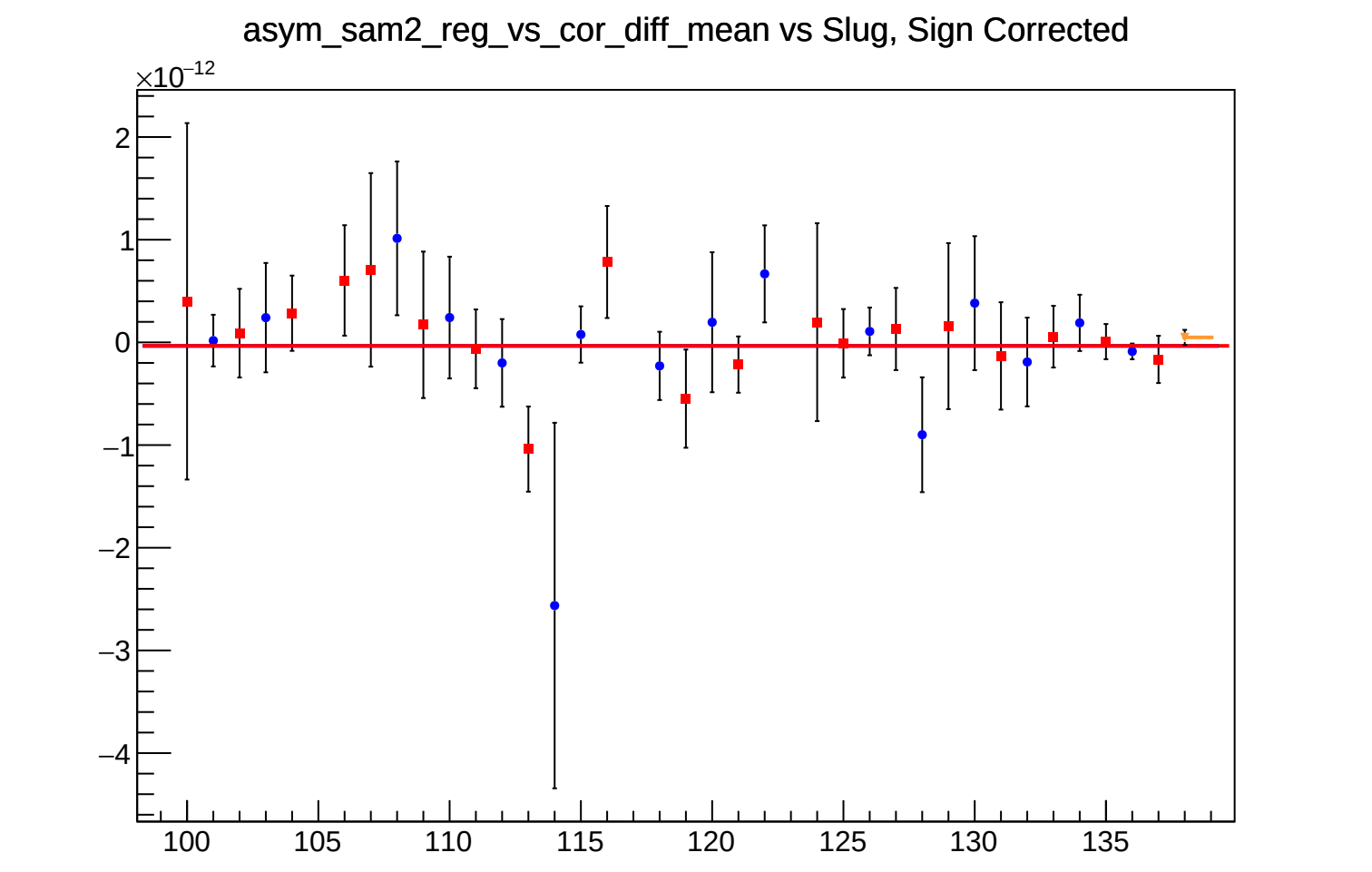
Left: 2142.500+/-1.731 χ^2/NDF: 0.0/0

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 3480.559+/-0.962 χ^2/NDF:1296641.6/15

Out: 3375.782+/-0.882 χ^2/NDF:1832962.3/19

All: 3423.640+/-0.650 χ^2/NDF: 3136049.3/35



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

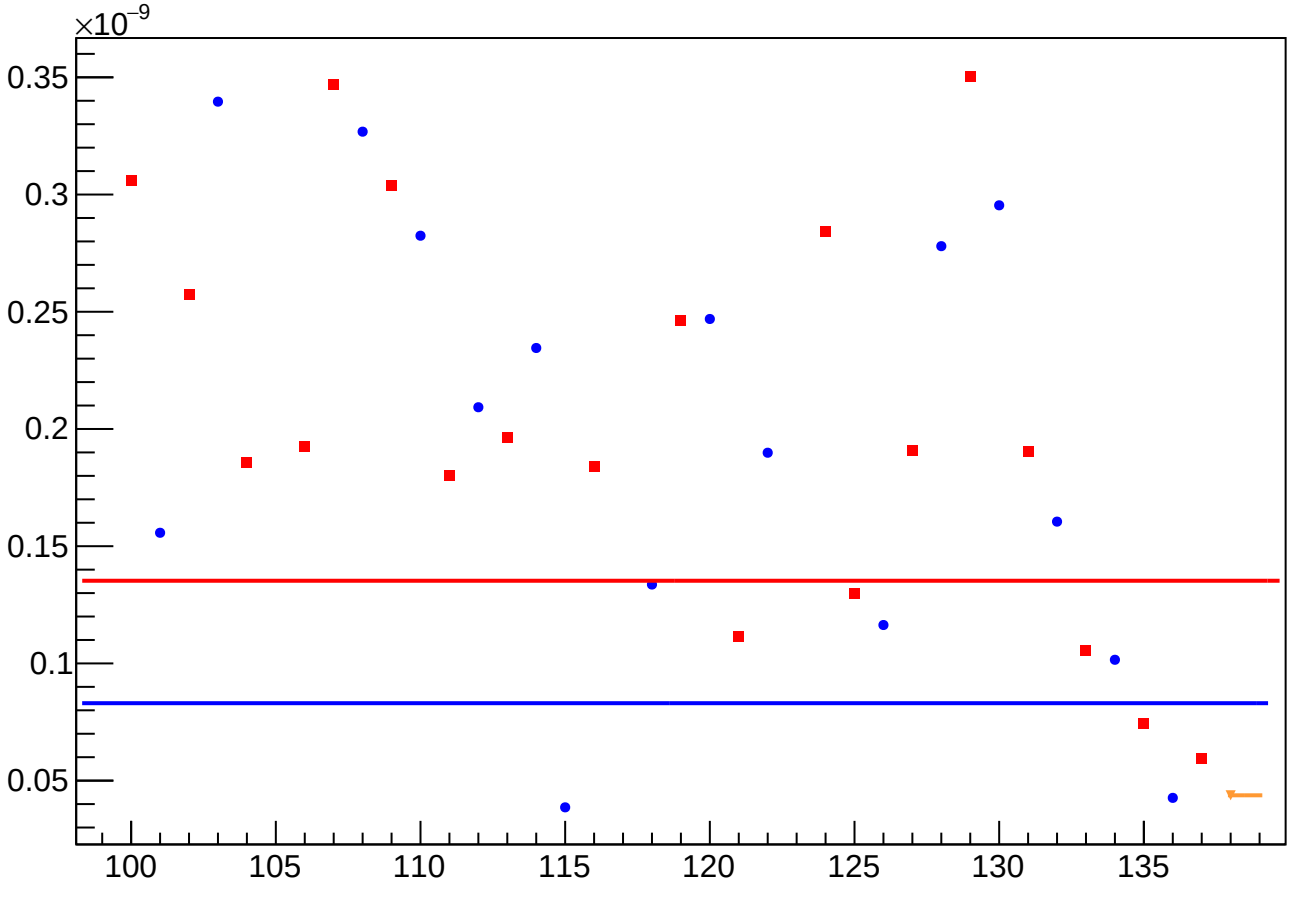
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:11.9/15

Out: 0.000+/-0.000 χ^2/NDF:14.1/19

All: -0.000+/-0.000 χ^2/NDF: 26.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

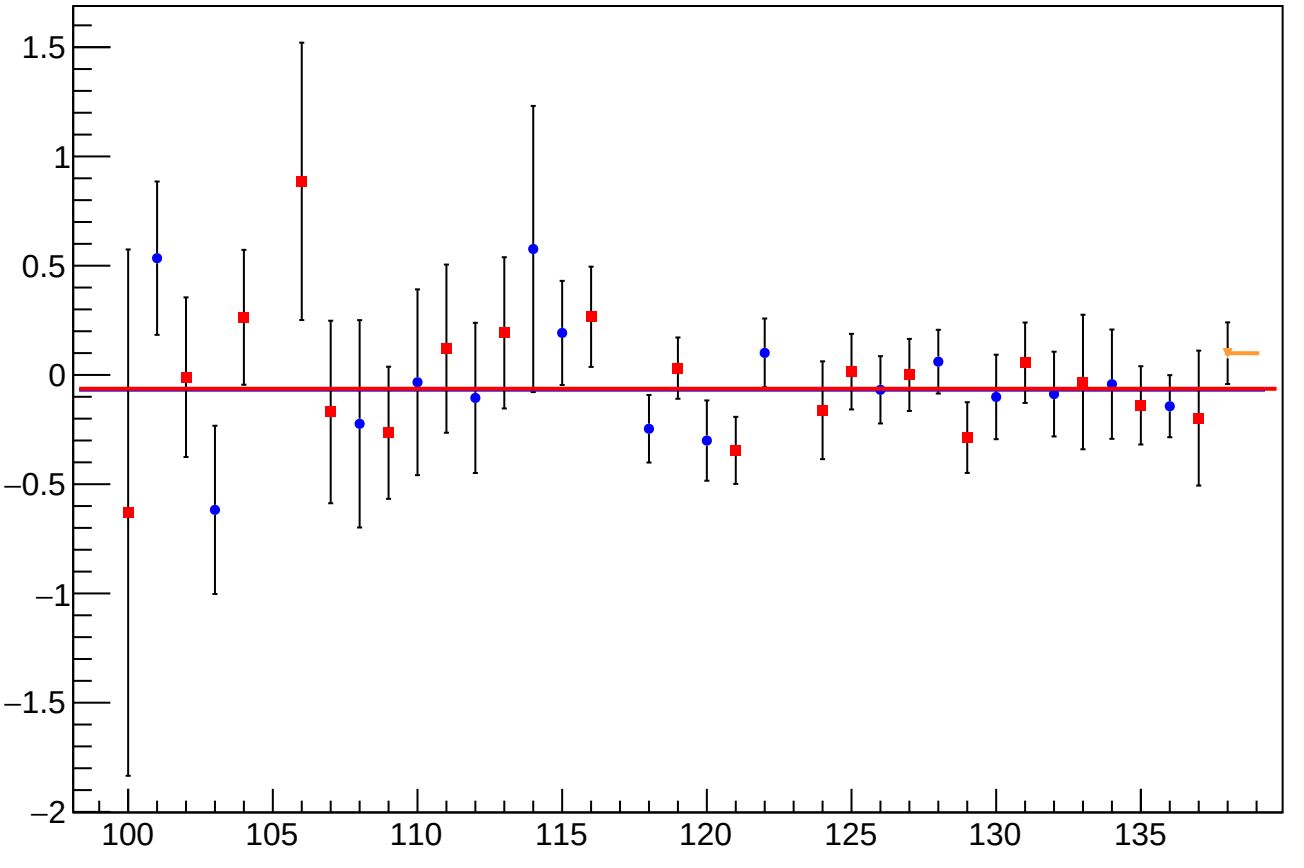
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:2702339.1/15

Out: 0.000+/-0.000 χ^2/NDF:2727729.4/19

All: 0.000+/-0.000 χ^2/NDF: 5430070.3/35



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.099+/-0.141 χ^2/NDF:0.0/0

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

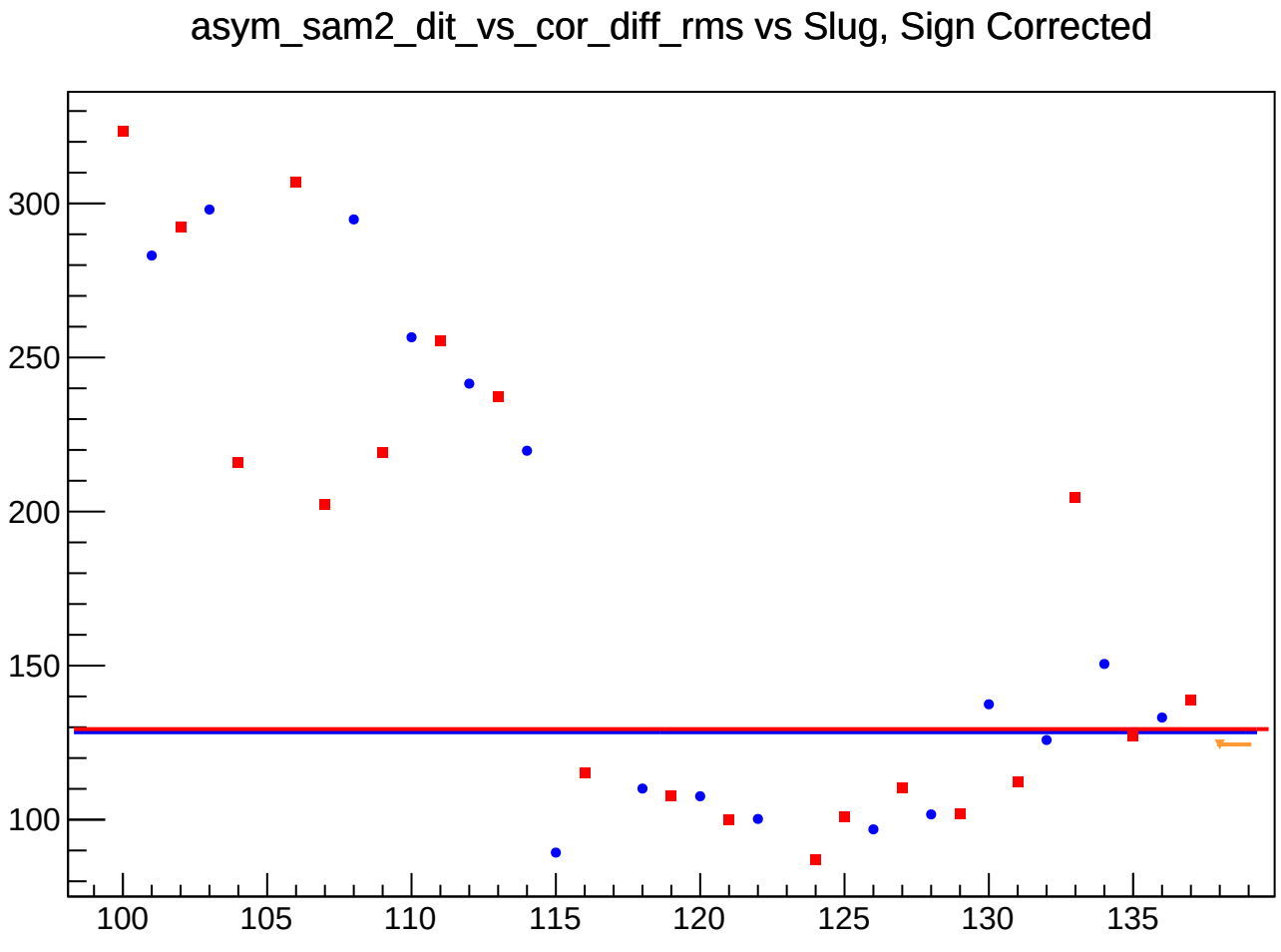
Left: 0.099+/-0.141 χ^2/NDF: 0.0/0

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.067+/-0.052 χ^2/NDF:12.5/15

Out: -0.044+/-0.048 χ^2/NDF:15.2/19

All: -0.055+/-0.035 χ^2/NDF: 27.8/35



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.411+/-0.100 χ^2/NDF:0.0/0

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

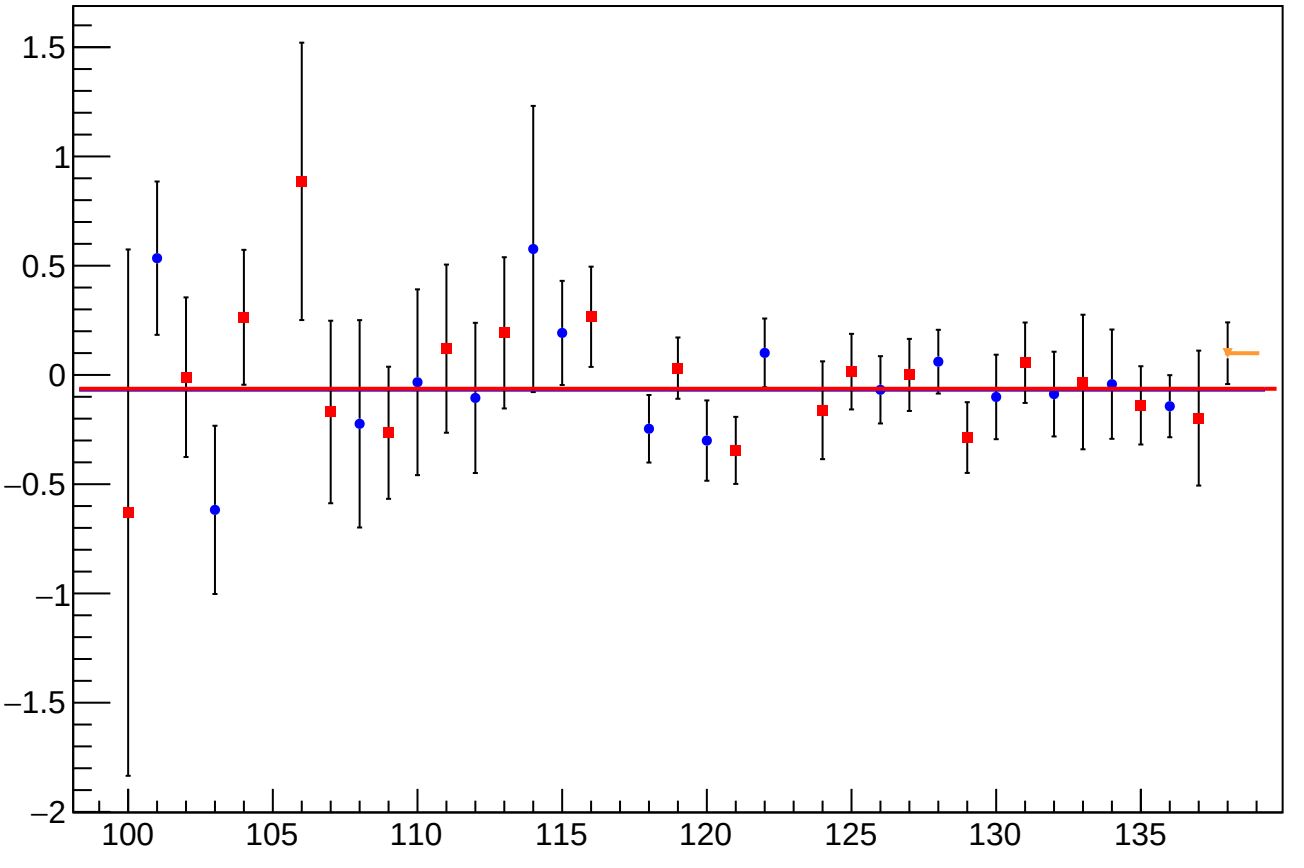
Left: 124.411+/-0.100 χ^2/NDF: 0.0/0

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 128.380+/-0.037 χ^2/NDF:1805078.6/15

Out: 128.811+/-0.034 χ^2/NDF:1890474.4/19

All: 128.609+/-0.025 χ^2/NDF: 3695626.8/35



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.099+/-0.141 χ^2/NDF:0.0/0

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

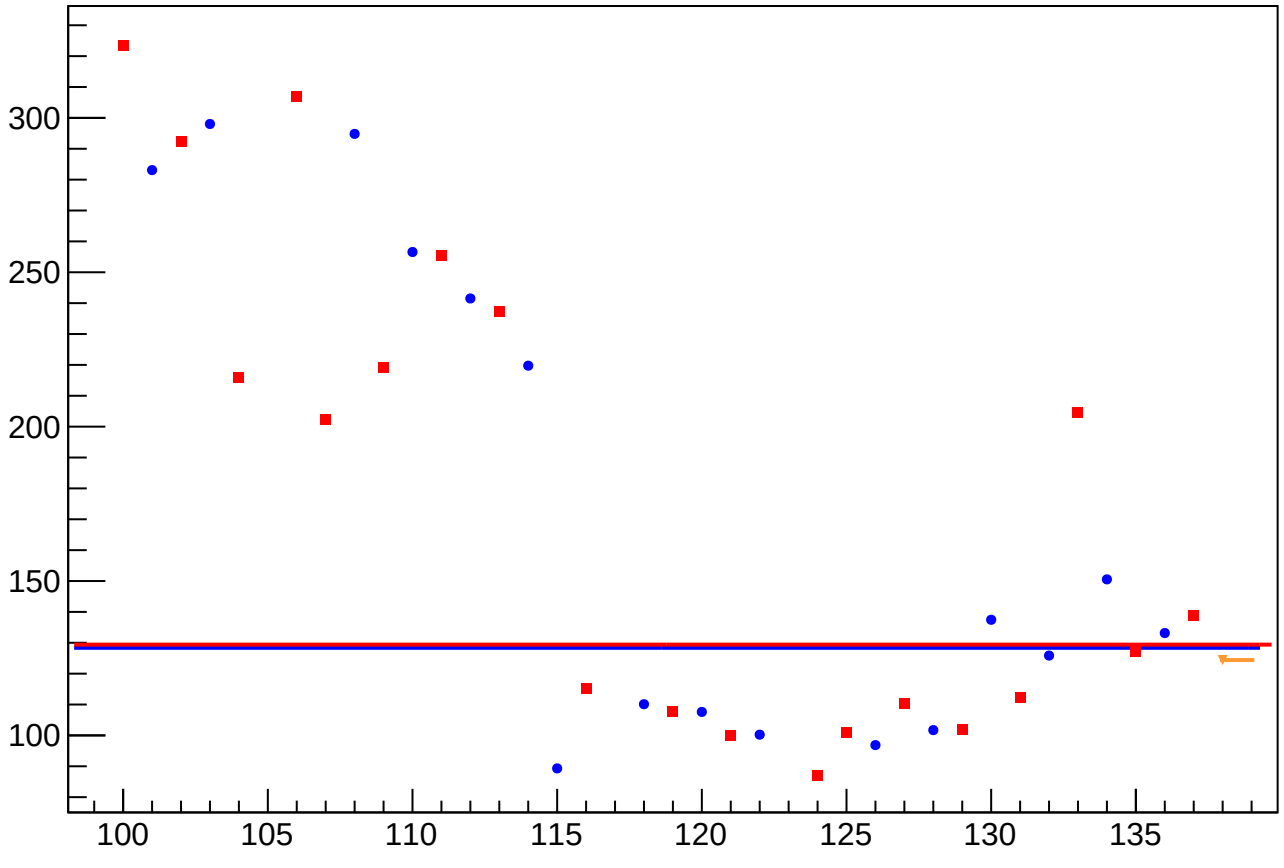
Left: 0.099+/-0.141 χ^2/NDF: 0.0/0

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.067+/-0.052 χ^2/NDF:12.5/15

Out: -0.044+/-0.048 χ^2/NDF:15.2/19

All: -0.055+/-0.035 χ^2/NDF: 27.8/35



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.411+/-0.100 χ^2/NDF:0.0/0

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

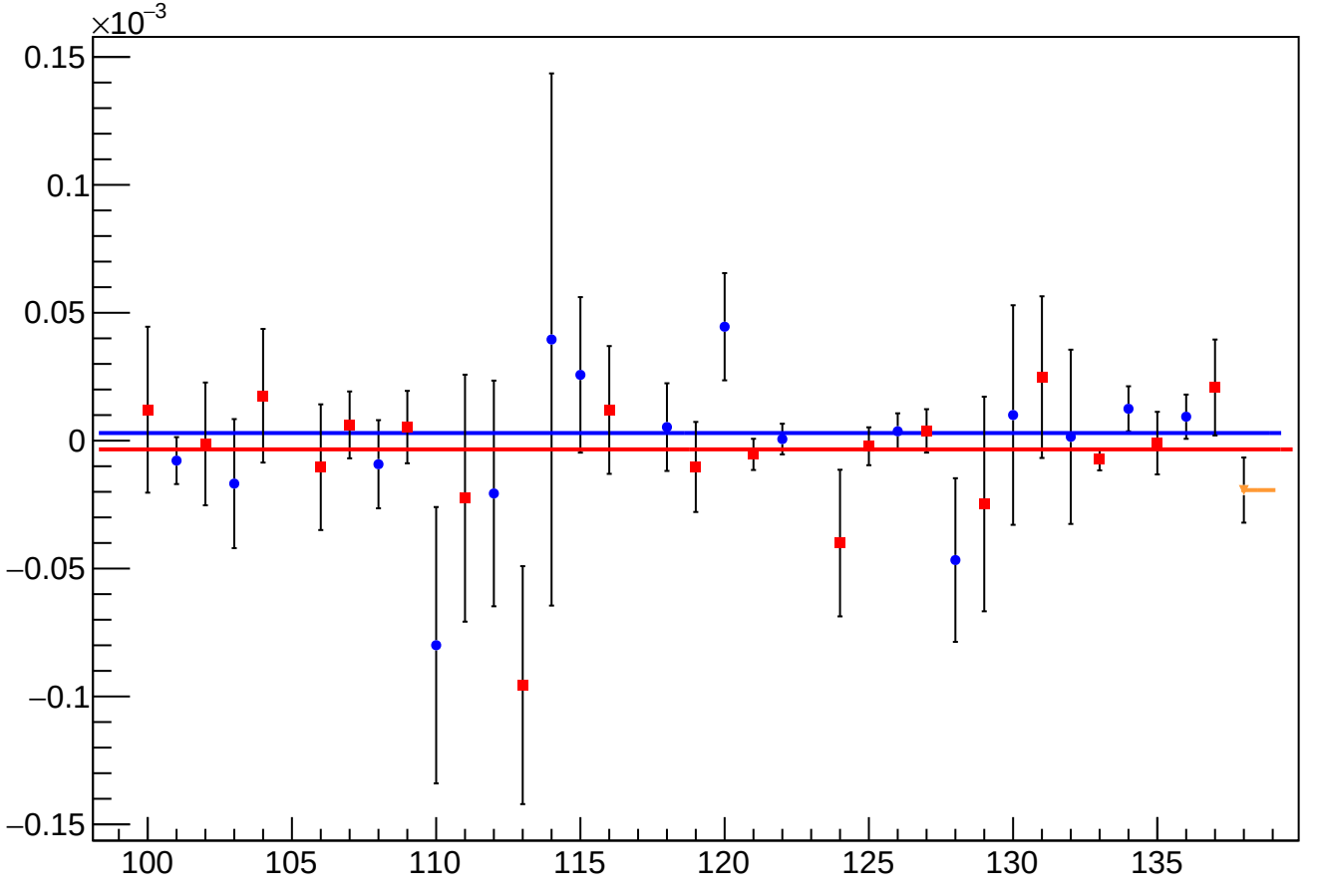
Left: 124.411+/-0.100 χ^2/NDF: 0.0/0

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 128.380+/-0.037 χ^2/NDF:1805078.6/15

Out: 128.811+/-0.034 χ^2/NDF:1890474.4/19

All: 128.609+/-0.025 χ^2/NDF: 3695626.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

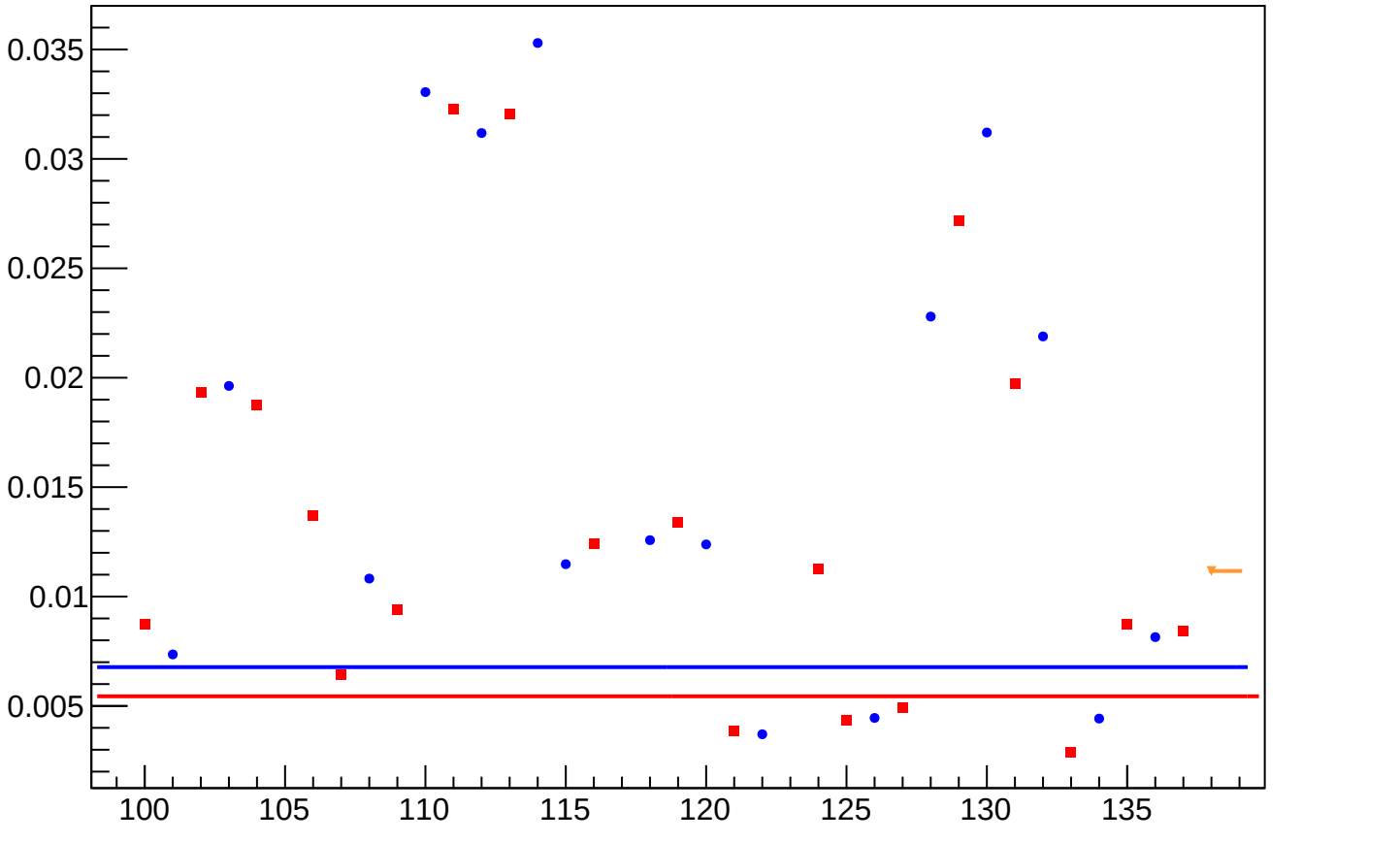
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

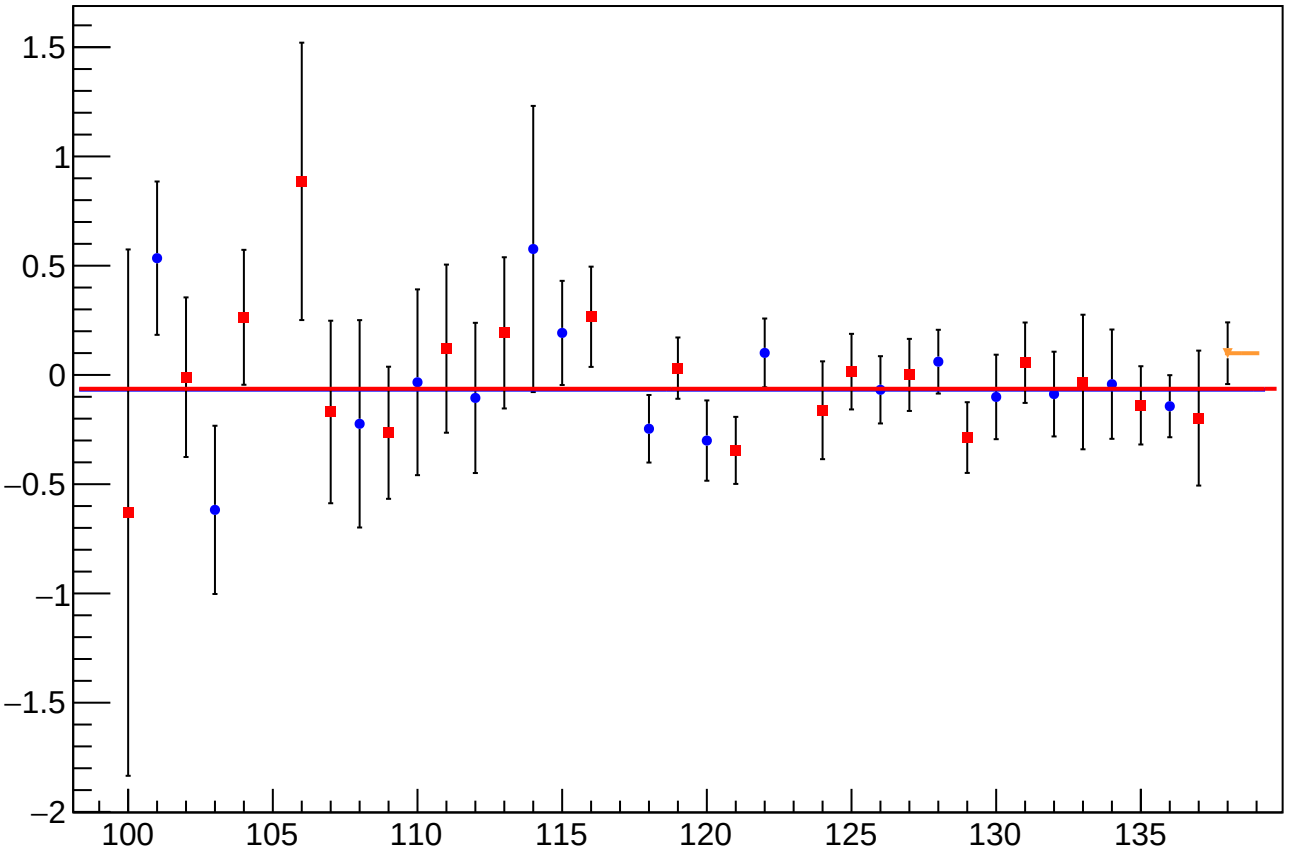
Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:14.1/15

Out: -0.000+/-0.000 χ^2/NDF:14.1/19

All: -0.000+/-0.000 χ^2/NDF: 31.2/35


asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
105
110
115
120
125
130
135
Right In: 0.007+/-0.000 χ²/NDF: 4772275.3/15
Left Out: 0.011+/-0.000 χ²/NDF:0.0/0
Right Out: 0.005+/-0.000 χ²/NDF: 5572364.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.011+/-0.000 χ²/NDF: 0.0/0
Right: 0.006+/-0.000 χ²/NDF: 10558524.8/34
In: 0.007+/-0.000 χ²/NDF:4772275.3/15
Out: 0.006+/-0.000 χ²/NDF:5960361.9/19
All: 0.006+/-0.000 χ²/NDF: 10881963.0/35



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.099+/-0.141 χ^2/NDF:0.0/0

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

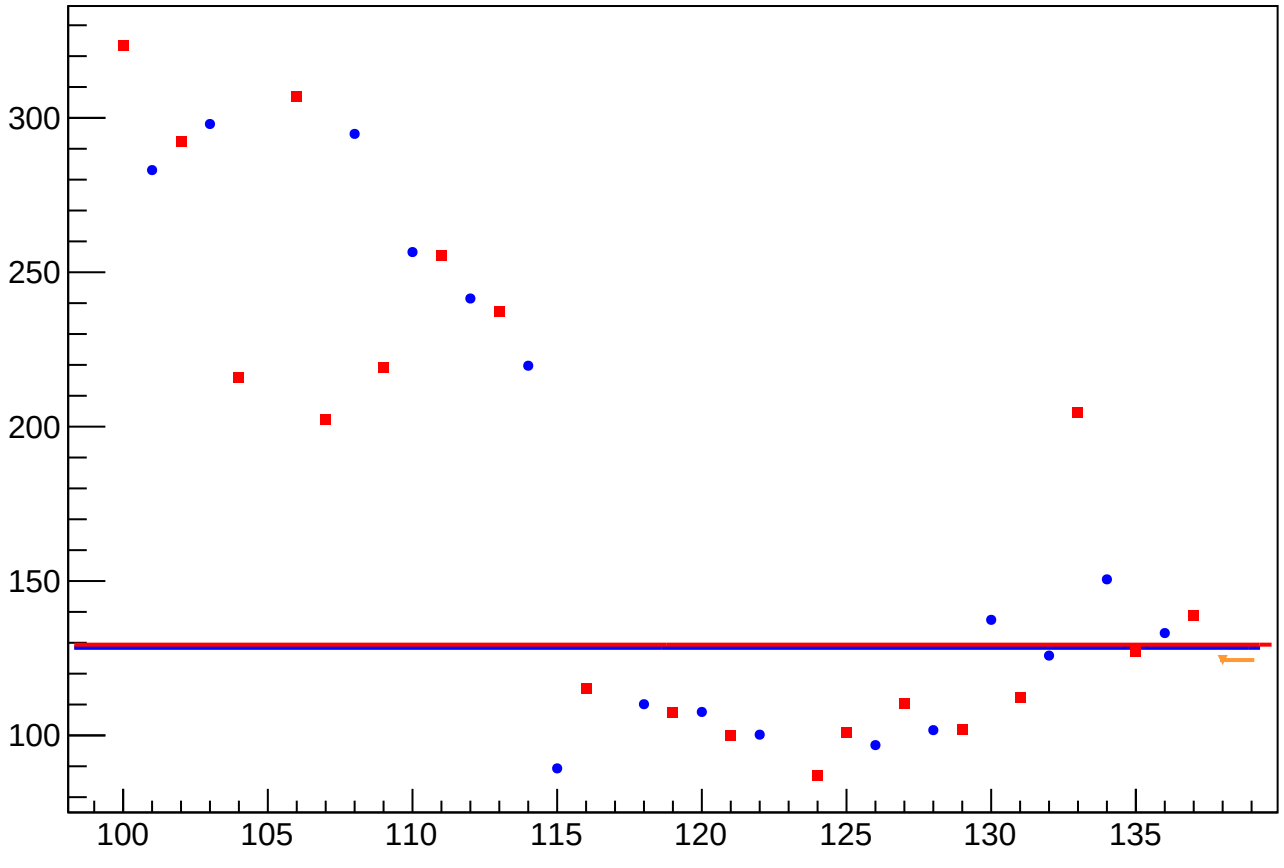
Left: 0.099+/-0.141 χ^2/NDF: 0.0/0

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.067+/-0.052 χ^2/NDF:12.5/15

Out: -0.044+/-0.048 χ^2/NDF:15.2/19

All: -0.055+/-0.035 χ^2/NDF: 27.8/35



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.409+/-0.100 χ^2/NDF:0.0/0

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 124.409+/-0.100 χ^2/NDF: 0.0/0

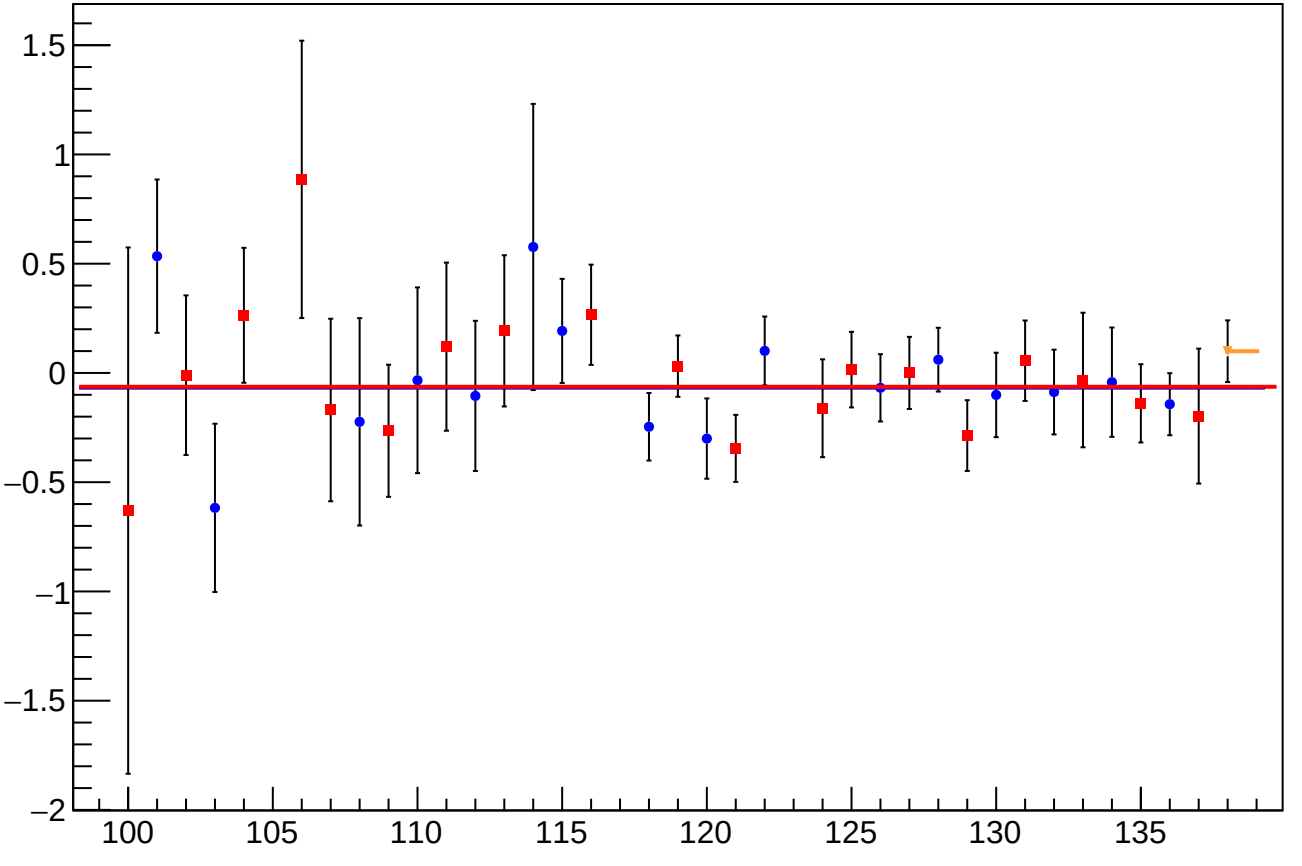
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 128.377+/-0.037 χ^2/NDF:1805026.7/15

Out: 128.808+/-0.034 χ^2/NDF:1890474.4/19

All: 128.606+/-0.025 χ^2/NDF: 3695574.9/35

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: 0.099+/-0.141 χ^2/NDF:0.0/0

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

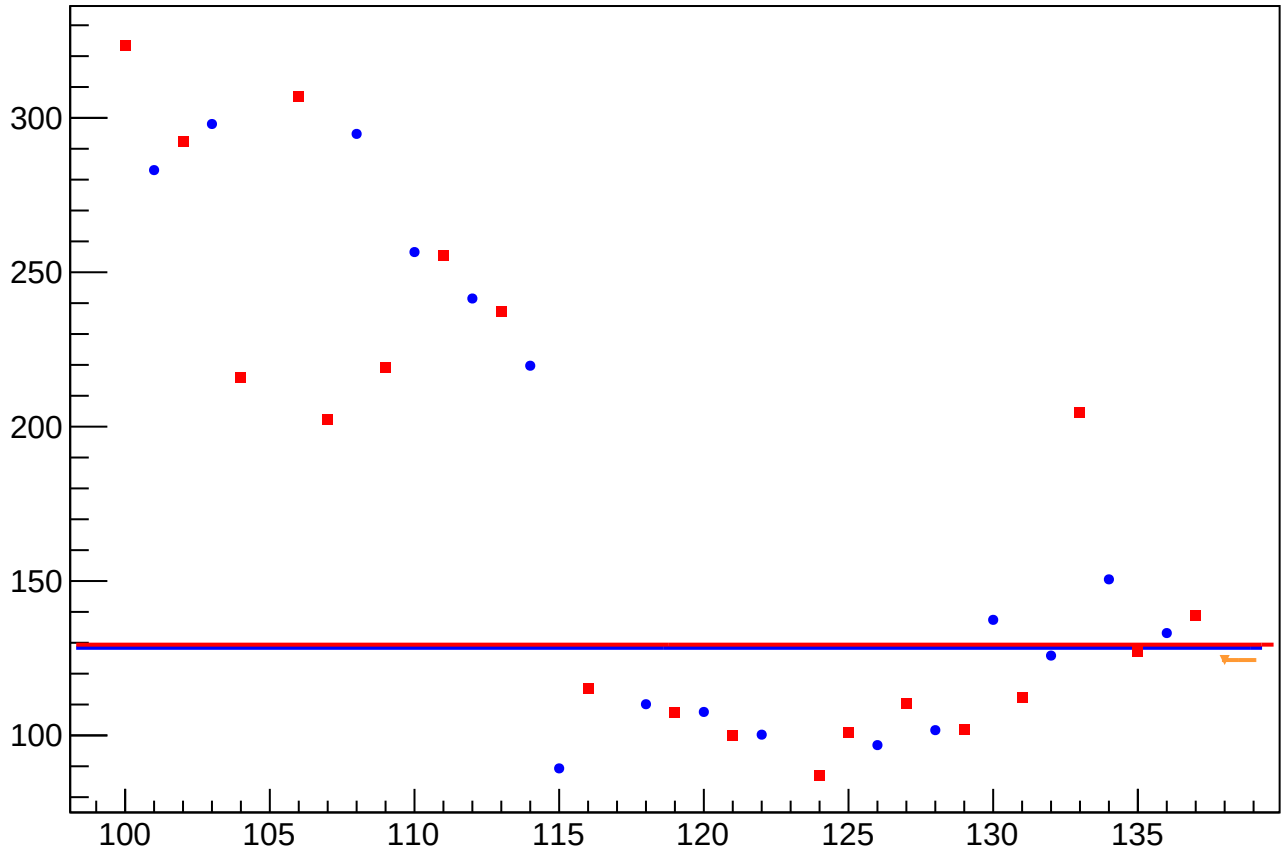
Left: 0.099+/-0.141 χ^2/NDF: 0.0/0

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.067+/-0.052 χ^2/NDF:12.5/15

Out: -0.044+/-0.048 χ^2/NDF:15.2/19

All: -0.055+/-0.035 χ^2/NDF: 27.8/35



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.409+/-0.100 χ^2/NDF:0.0/0

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

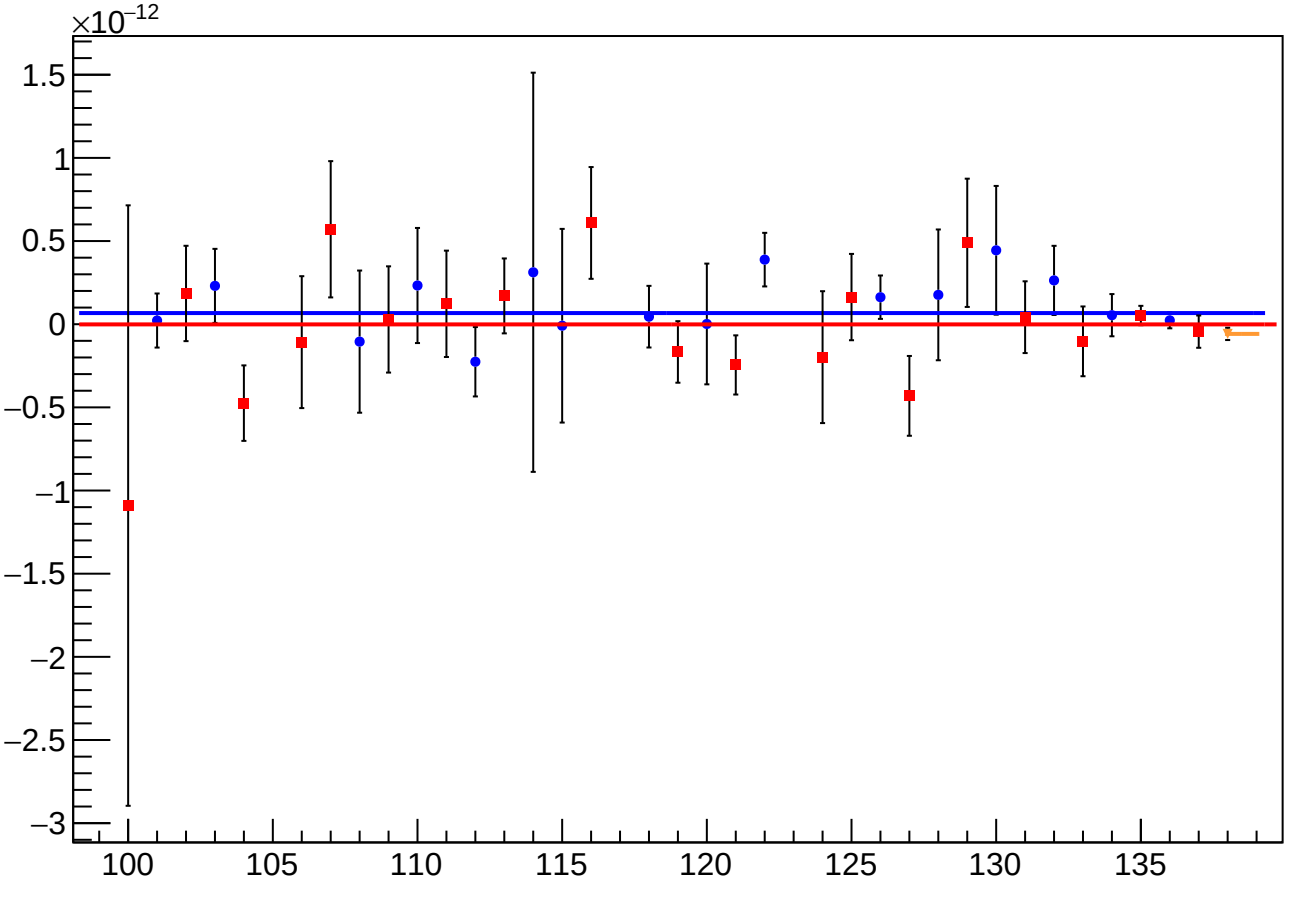
Left: 124.409+/-0.100 χ^2/NDF: 0.0/0

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 128.377+/-0.037 χ^2/NDF:1805026.7/15

Out: 128.808+/-0.034 χ^2/NDF:1890474.4/19

All: 128.606+/-0.025 χ^2/NDF: 3695574.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

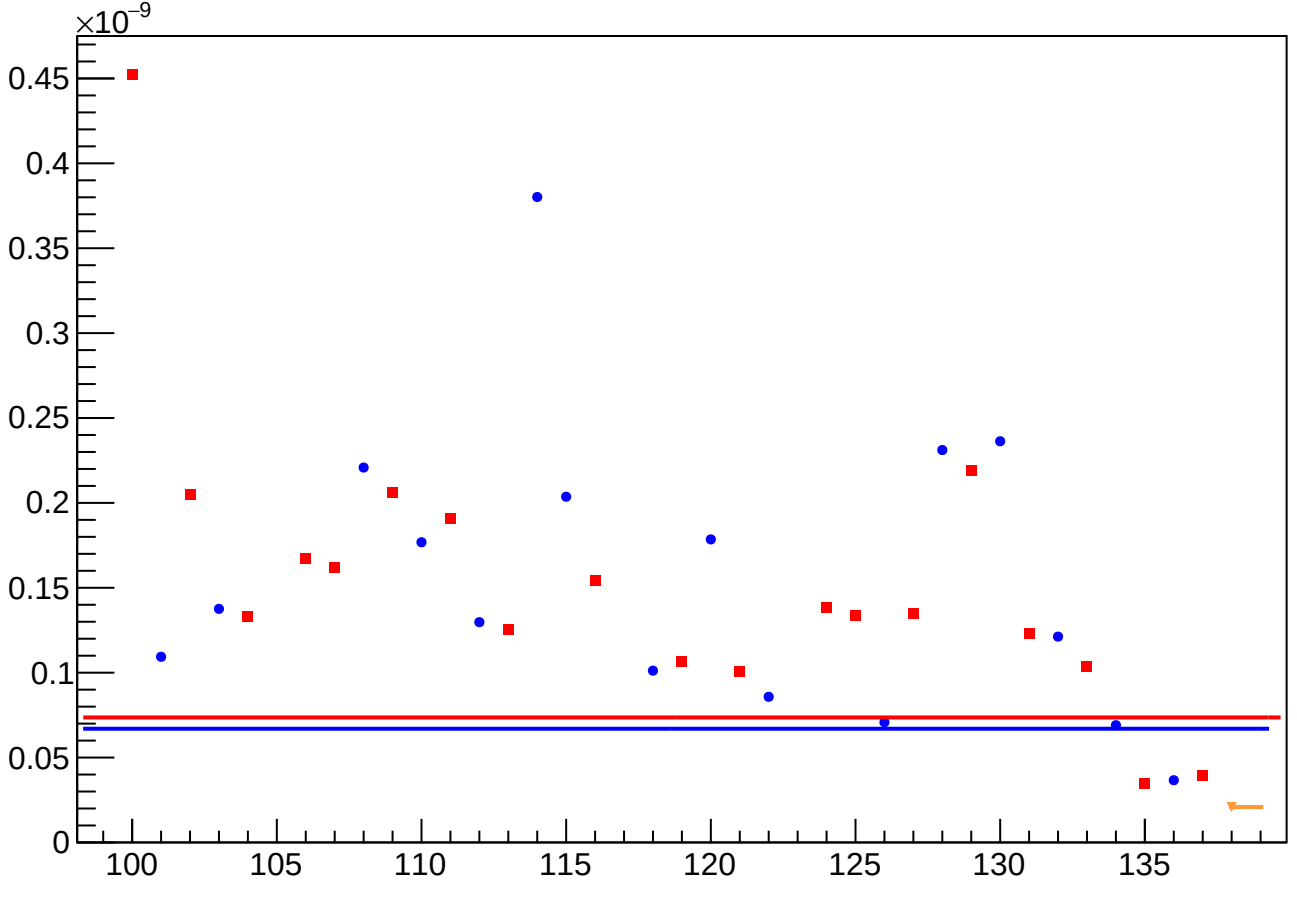
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:10.4/15

Out: -0.000+/-0.000 χ^2/NDF:21.8/19

All: 0.000+/-0.000 χ^2/NDF: 36.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

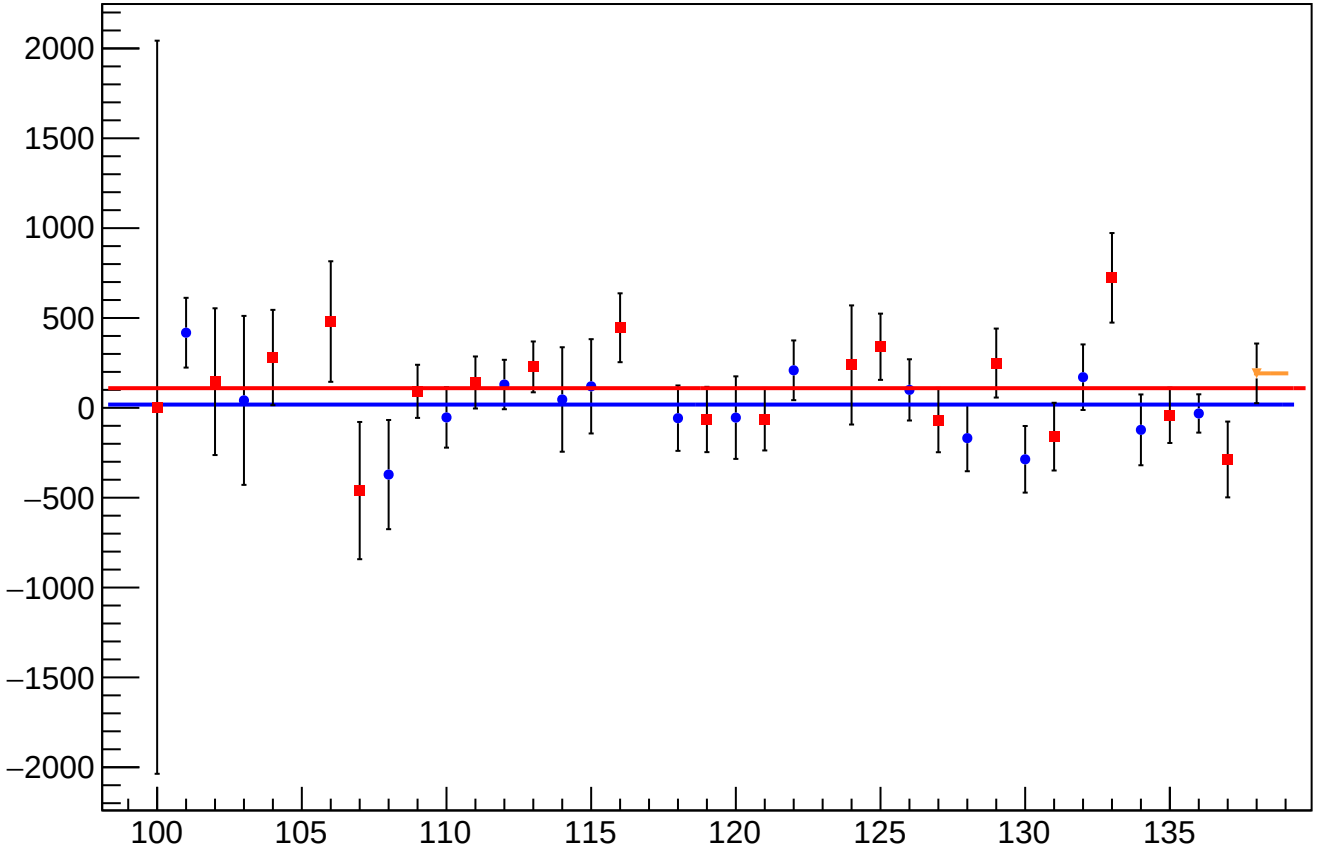
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:3180725.4/15

Out: 0.000+/-0.000 χ^2/NDF:5566663.9/19

All: 0.000+/-0.000 χ^2/NDF: 9201670.0/35

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 191.856+/-166.053 χ^2/NDF:0.0/0

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 191.856+/-166.053 χ^2/NDF: 0.0/0

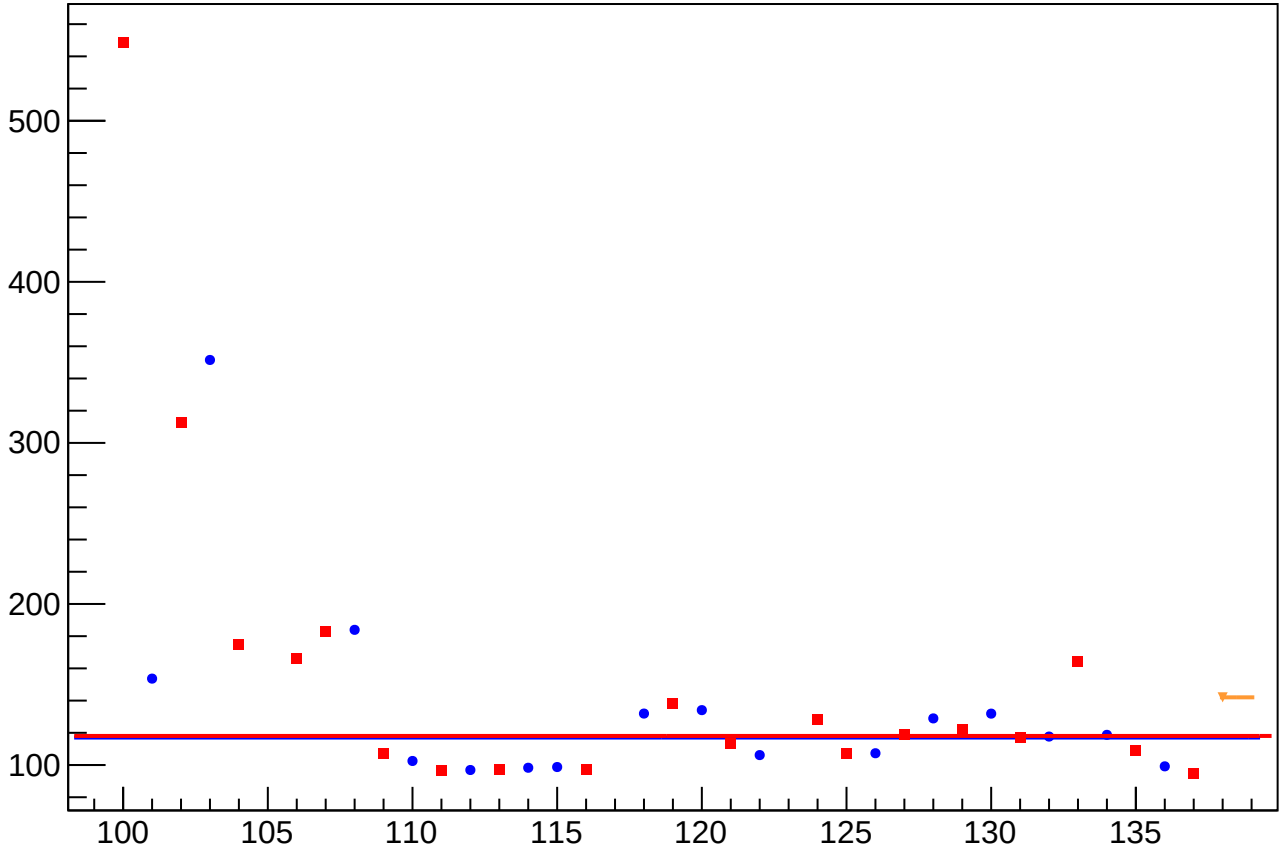
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 18.204+/-45.704 χ^2/NDF:13.9/15

Out: 115.265+/-44.173 χ^2/NDF:25.7/19

All: 68.387+/-31.763 χ^2/NDF: 41.9/35

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 142.022+/-0.117 χ^2/NDF:0.0/0

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

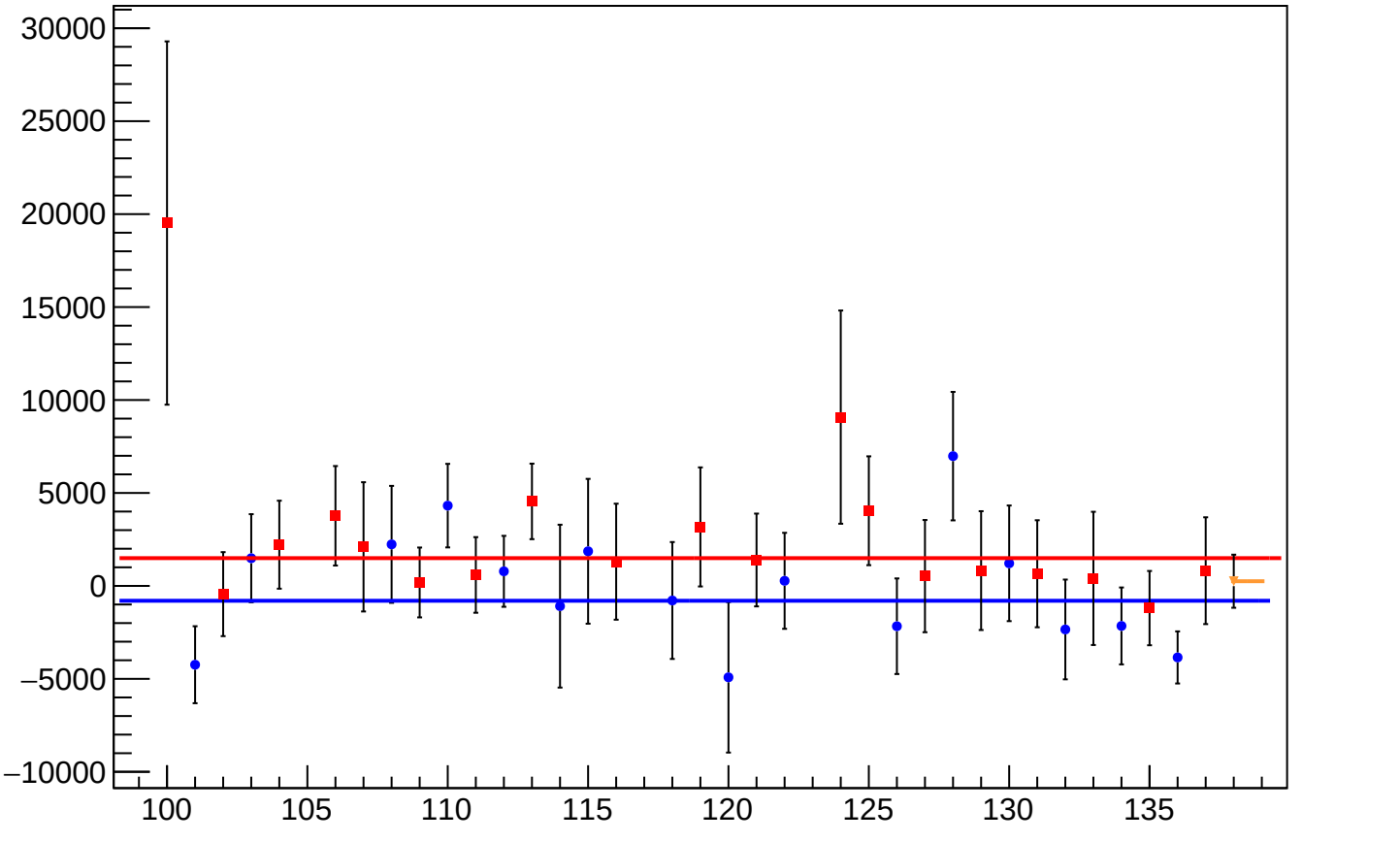
Left: 142.022+/-0.117 χ^2/NDF: 0.0/0

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 117.063+/-0.032 χ^2/NDF:858400.8/15

Out: 119.753+/-0.031 χ^2/NDF:1029456.4/19

All: 118.454+/-0.022 χ^2/NDF: 1891441.6/35



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: 251.564+/-1428.261 χ^2/NDF:0.0/0

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

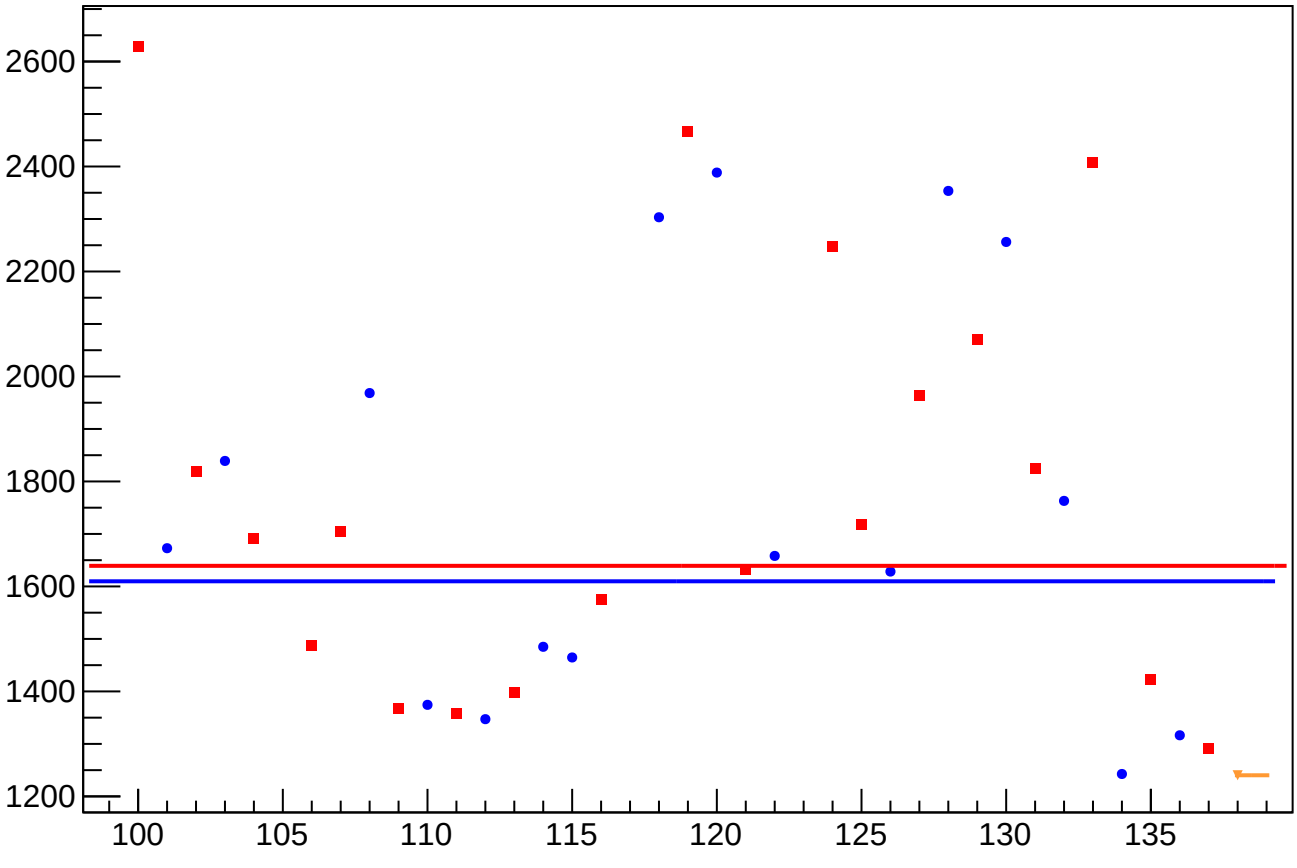
Left: 251.564+/-1428.261 χ^2/NDF: 0.0/0

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -799.133+/-616.009 χ^2/NDF:23.4/15

Out: 1300.597+/-563.384 χ^2/NDF:13.5/19

All: 344.237+/-415.735 χ^2/NDF: 43.3/35



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 1240.246+/-1.010 χ^2/NDF:0.0/0

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1240.246+/-1.010 χ^2/NDF: 0.0/0

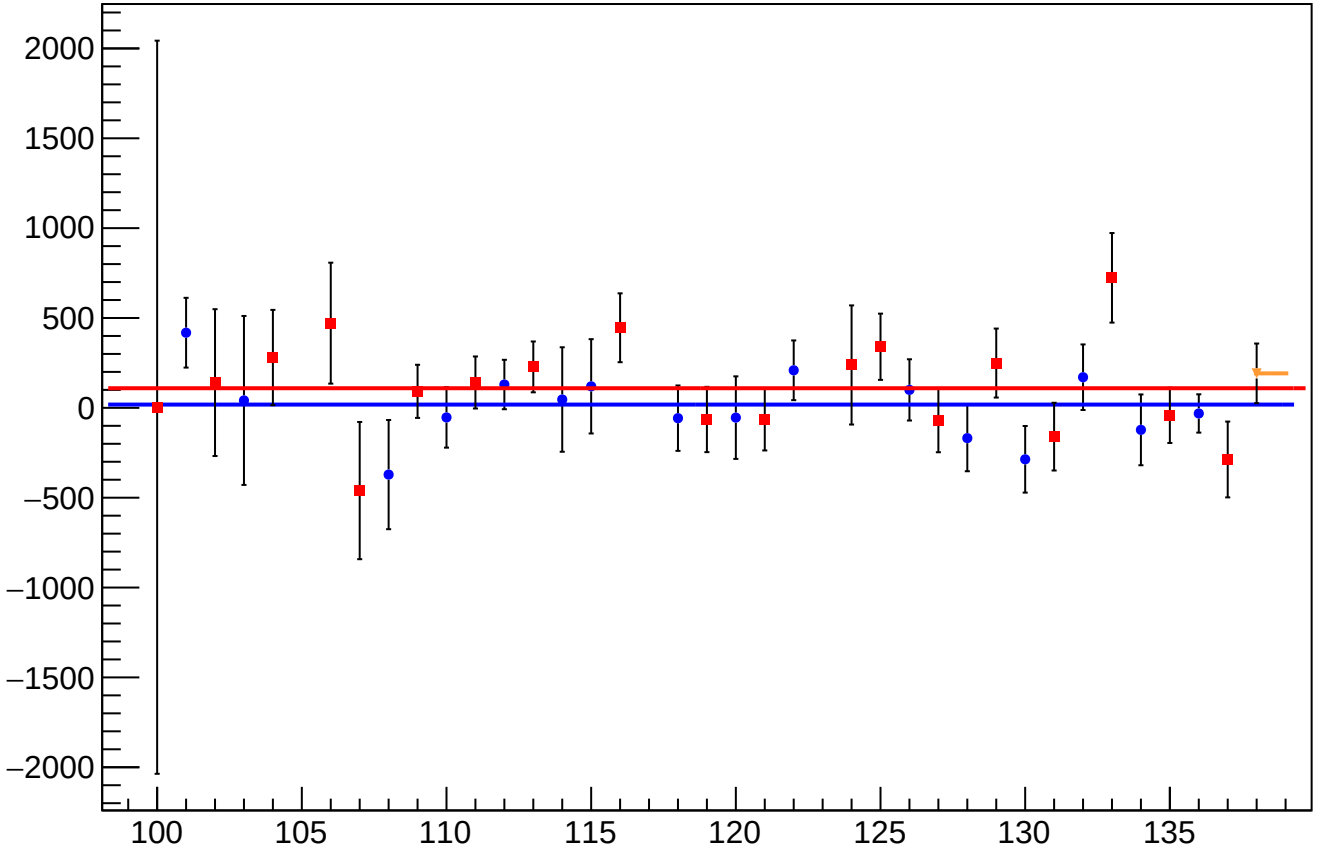
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1609.782+/-0.436 χ^2/NDF:619129.2/15

Out: 1577.159+/-0.398 χ^2/NDF:651977.5/19

All: 1592.018+/-0.294 χ^2/NDF: 1274161.0/35

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 191.855+/-166.053 χ^2/NDF:0.0/0

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 191.855+/-166.053 χ^2/NDF: 0.0/0

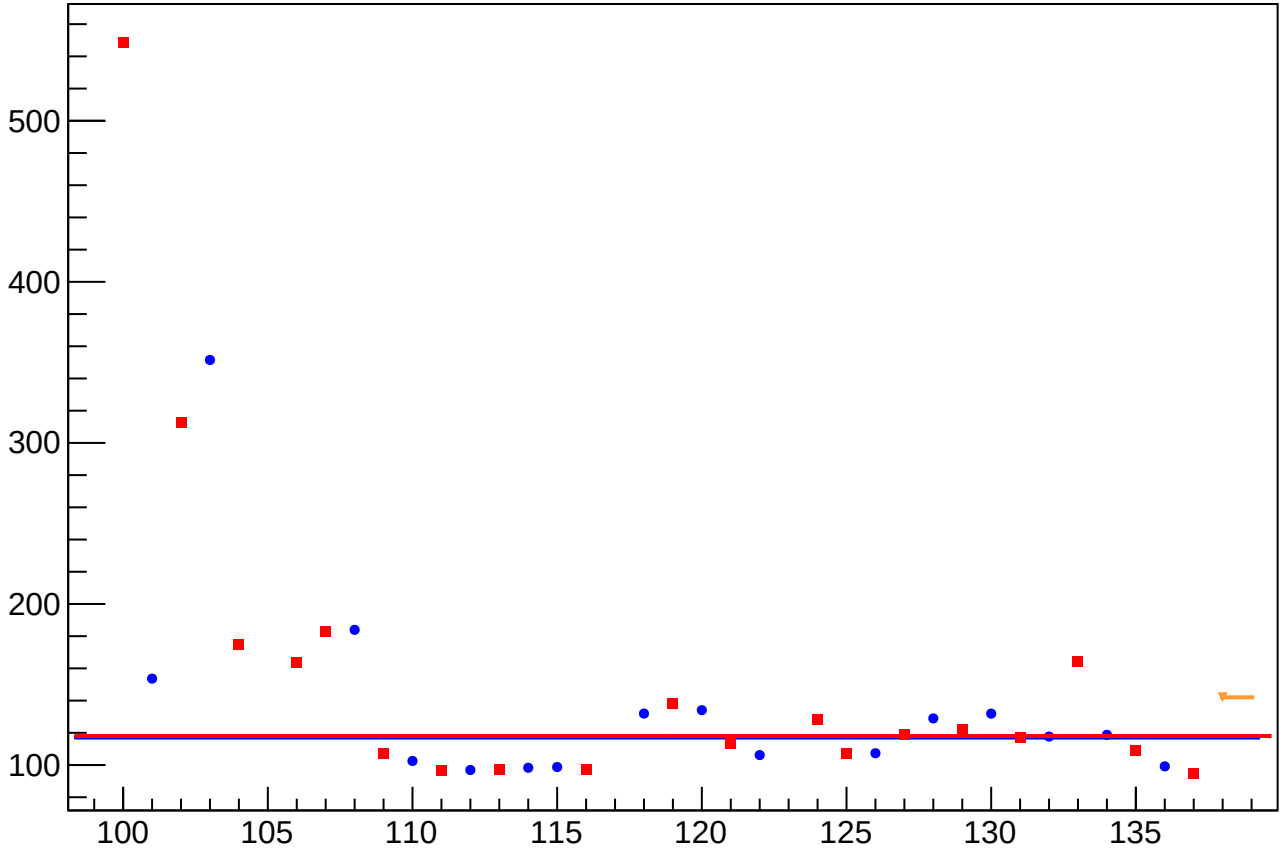
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 18.191+/-45.704 χ^2/NDF:13.9/15

Out: 115.004+/-44.176 χ^2/NDF:25.6/19

All: 68.243+/-31.764 χ^2/NDF: 41.8/35

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 142.022+/-0.117 χ^2/NDF:0.0/0

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

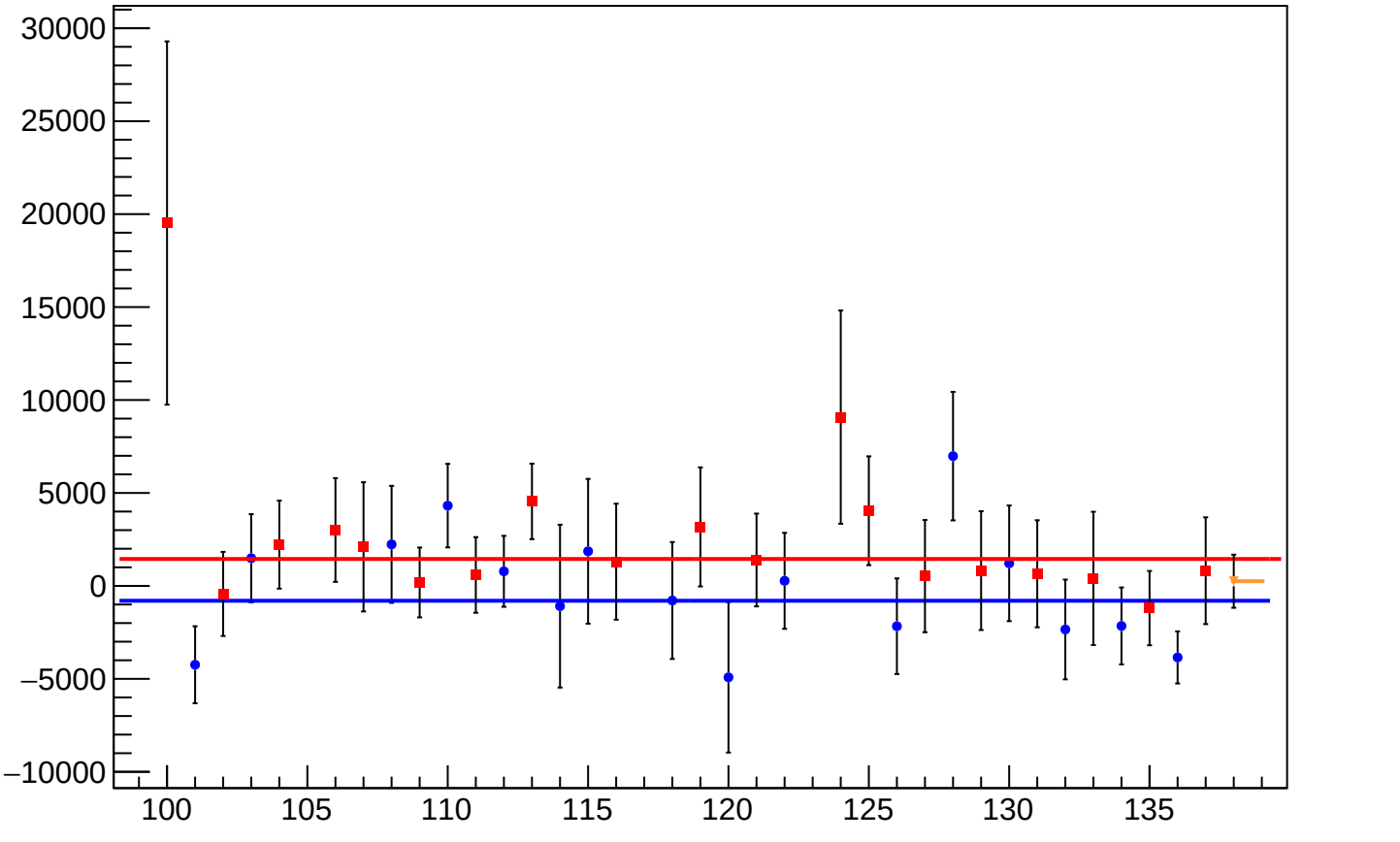
Left: 142.022+/-0.117 χ^2/NDF: 0.0/0

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 117.063+/-0.032 χ^2/NDF:858402.8/15

Out: 119.705+/-0.031 χ^2/NDF:1025429.4/19

All: 118.429+/-0.022 χ^2/NDF: 1887290.0/35



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: 251.560+/-1428.261 χ^2/NDF:0.0/0

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

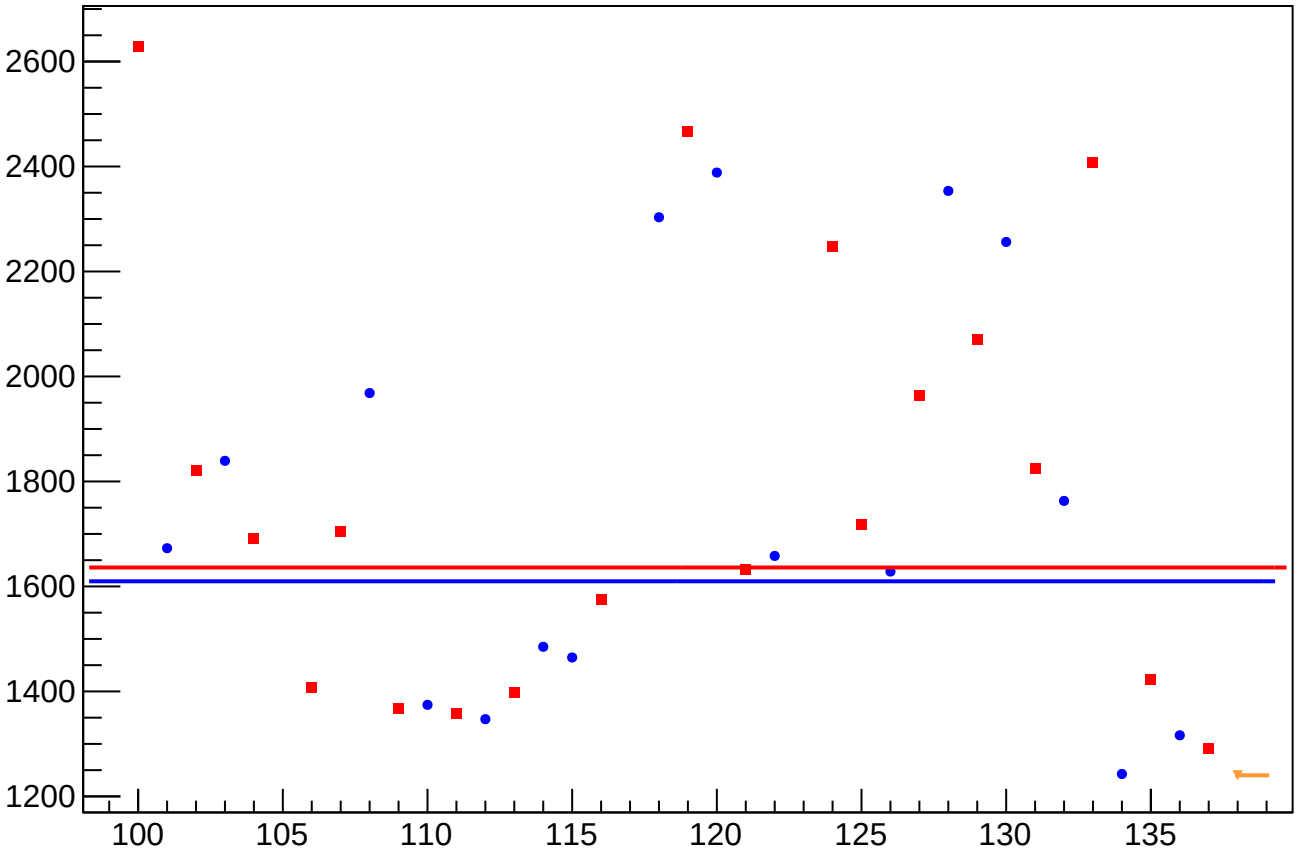
Left: 251.560+/-1428.261 χ^2/NDF: 0.0/0

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -799.116+/-616.014 χ^2/NDF:23.4/15

Out: 1261.515+/-564.428 χ^2/NDF:13.1/19

All: 321.078+/-416.155 χ^2/NDF: 42.6/35



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 1240.246+/-1.010 χ^2/NDF:0.0/0

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

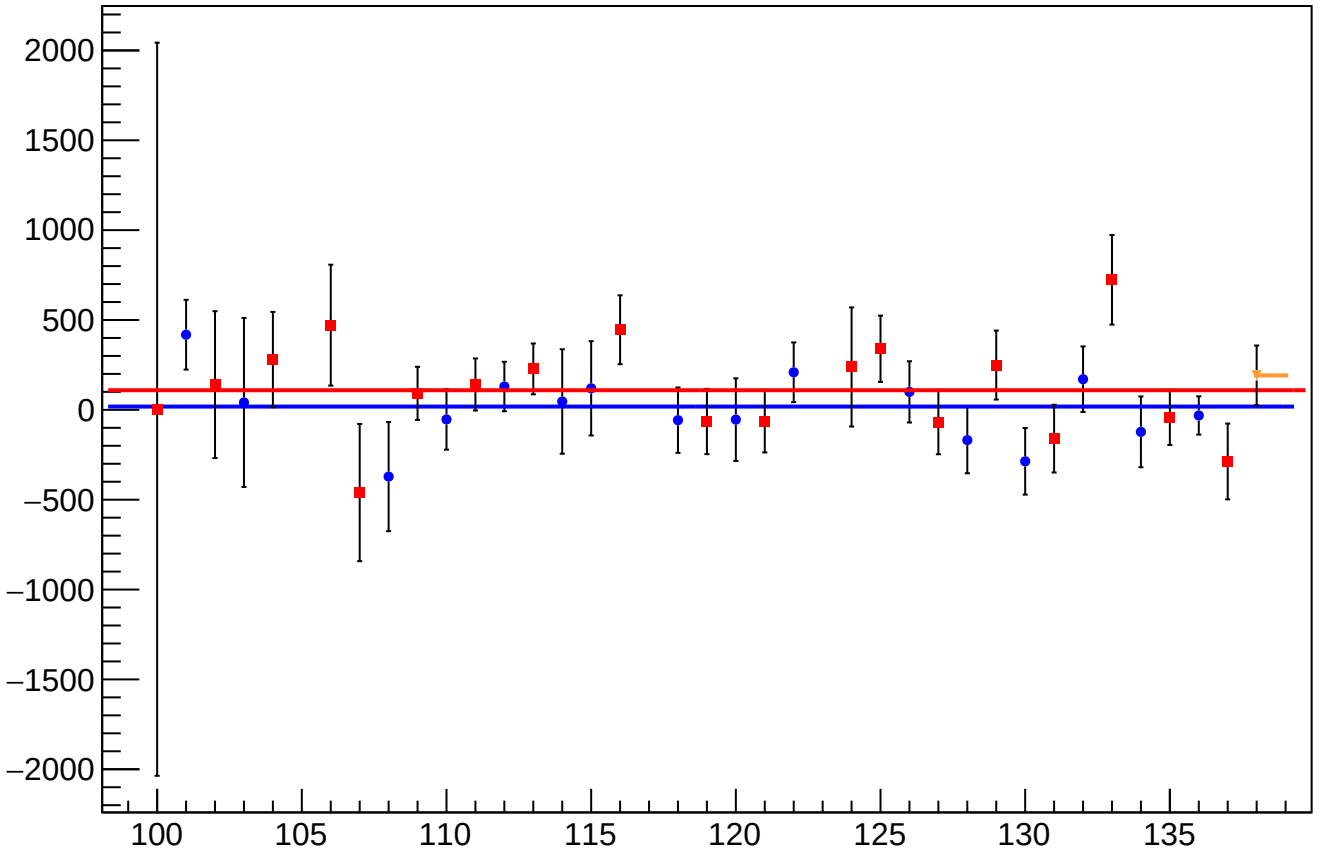
Left: 1240.246+/-1.010 χ^2/NDF: 0.0/0

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1609.791+/-0.436 χ^2/NDF:619158.3/15

Out: 1574.233+/-0.399 χ^2/NDF:657414.7/19

All: 1590.461+/-0.294 χ^2/NDF: 1280195.5/35



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 191.855+/-166.053 χ^2/NDF:0.0/0

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

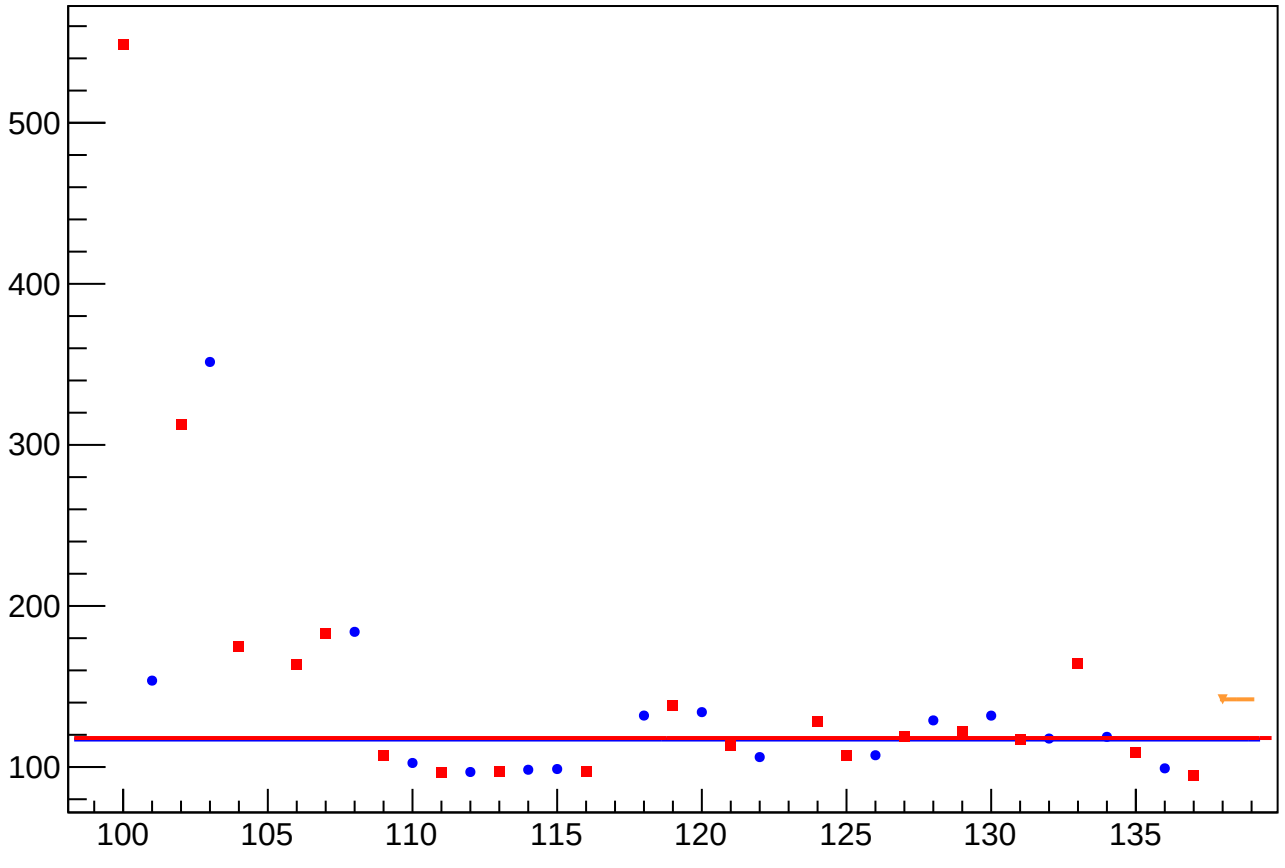
Left: 191.855+/-166.053 χ^2/NDF: 0.0/0

Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 18.191+/-45.704 χ^2/NDF:13.9/15

Out: 115.004+/-44.176 χ^2/NDF:25.6/19

All: 68.243+/-31.764 χ^2/NDF: 41.8/35



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 142.022+/-0.117 χ^2/NDF:0.0/0

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

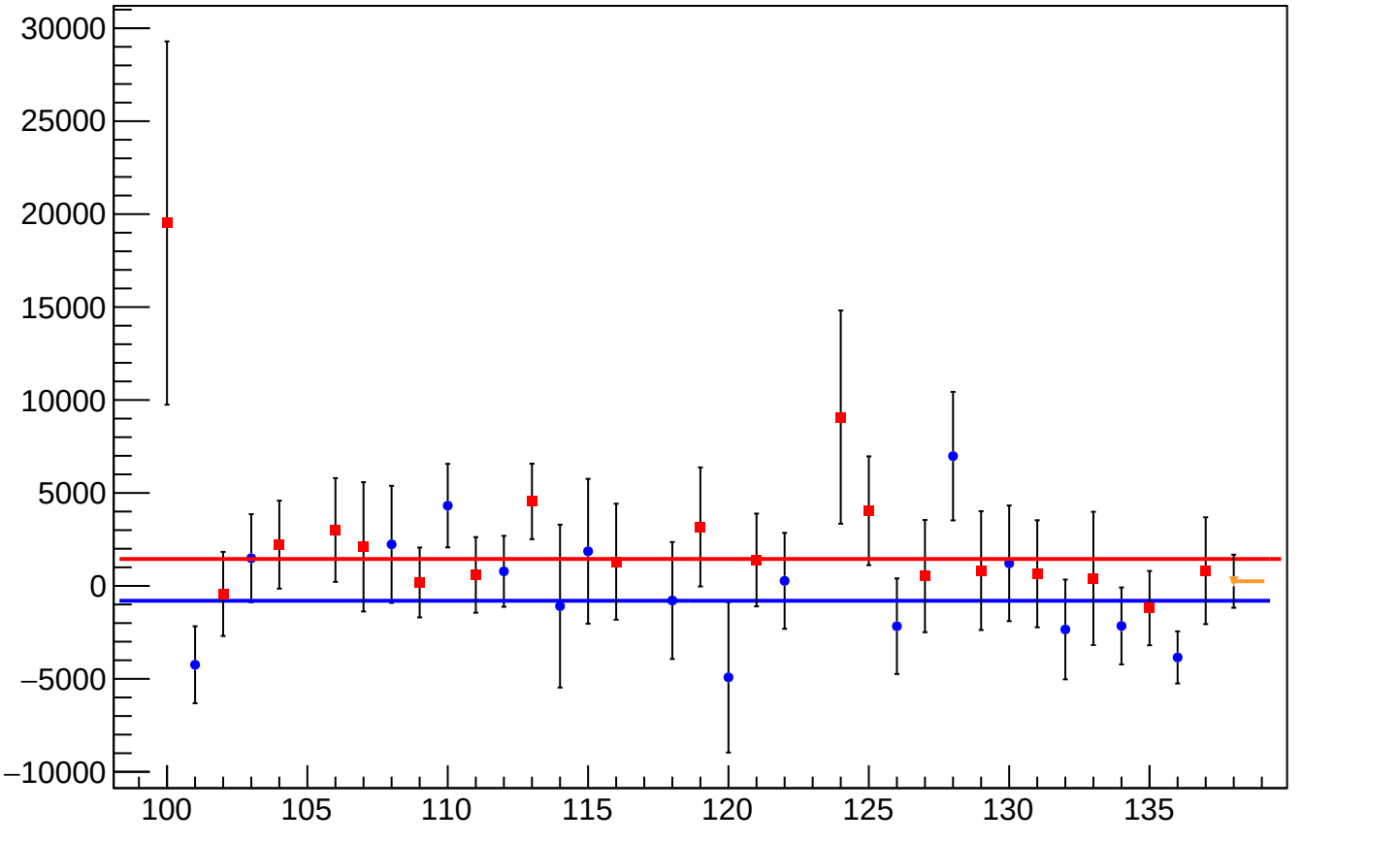
Left: 142.022+/-0.117 χ^2/NDF: 0.0/0

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 117.063+/-0.032 χ^2/NDF:858402.8/15

Out: 119.705+/-0.031 χ^2/NDF:1025429.4/19

All: 118.429+/-0.022 χ^2/NDF: 1887290.0/35



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: 251.560+/-1428.261 χ^2/NDF:0.0/0

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

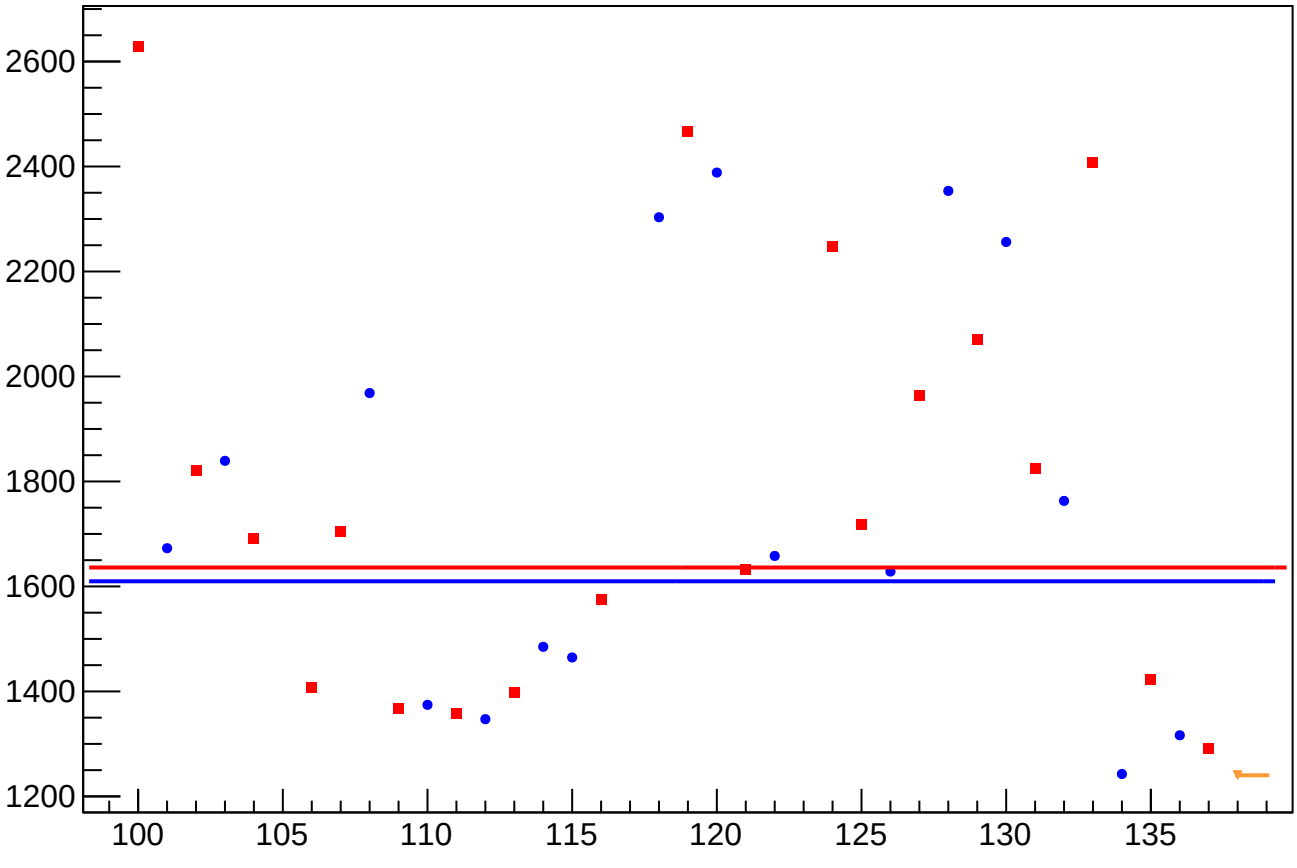
Left: 251.560+/-1428.261 χ^2/NDF: 0.0/0

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -799.116+/-616.014 χ^2/NDF:23.4/15

Out: 1261.515+/-564.428 χ^2/NDF:13.1/19

All: 321.078+/-416.155 χ^2/NDF: 42.6/35



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 1240.246+/-1.010 χ^2/NDF:0.0/0

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

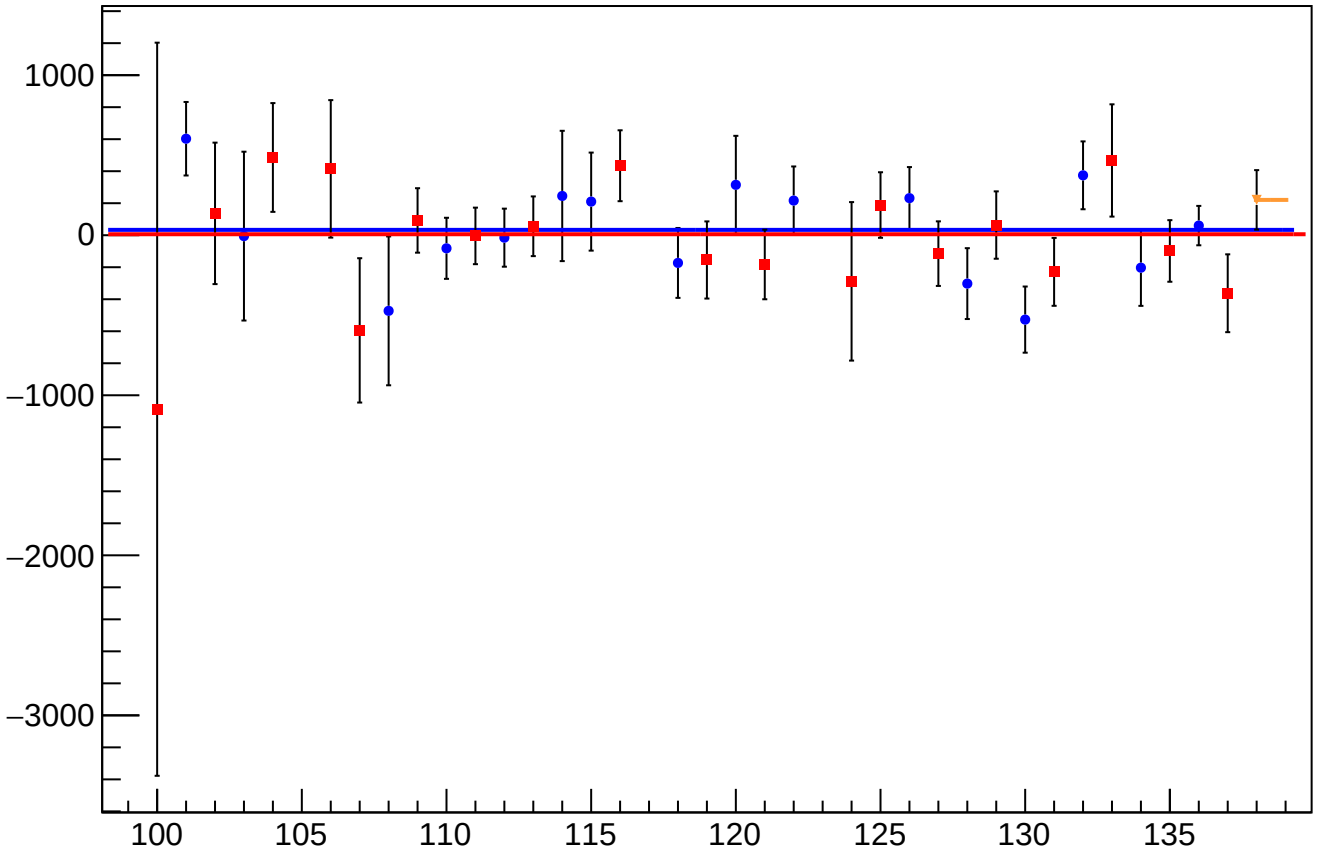
Left: 1240.246+/-1.010 χ^2/NDF: 0.0/0

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1609.791+/-0.436 χ^2/NDF:619158.3/15

Out: 1574.233+/-0.399 χ^2/NDF:657414.7/19

All: 1590.461+/-0.294 χ^2/NDF: 1280195.5/35



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 220.656+/-186.057 χ^2/NDF:0.0/0

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 220.656+/-186.057 χ^2/NDF: 0.0/0

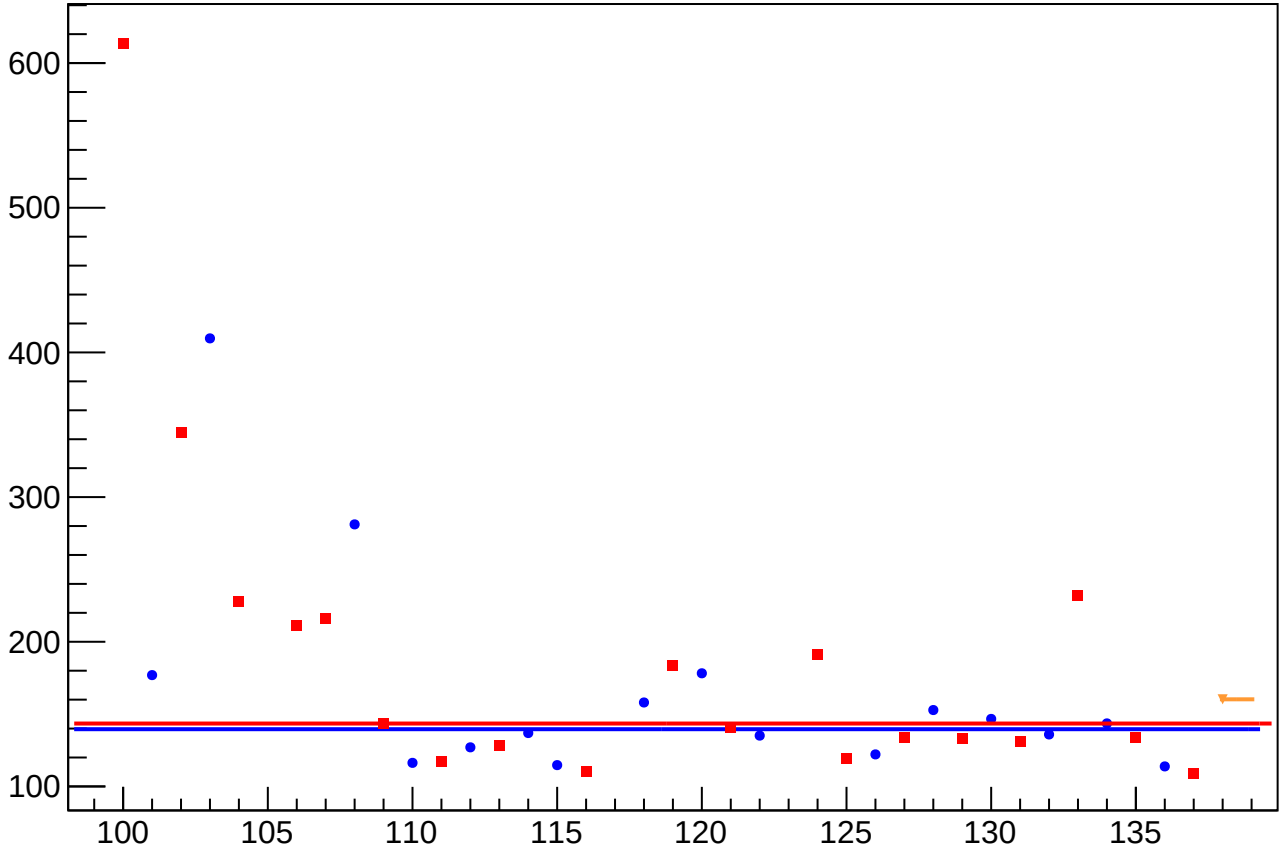
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 33.471+/-54.908 χ^2/NDF:25.2/15

Out: 23.981+/-53.703 χ^2/NDF:18.5/19

All: 28.621+/-38.393 χ^2/NDF: 43.7/35

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 160.221+/-0.132 χ^2/NDF:0.0/0

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

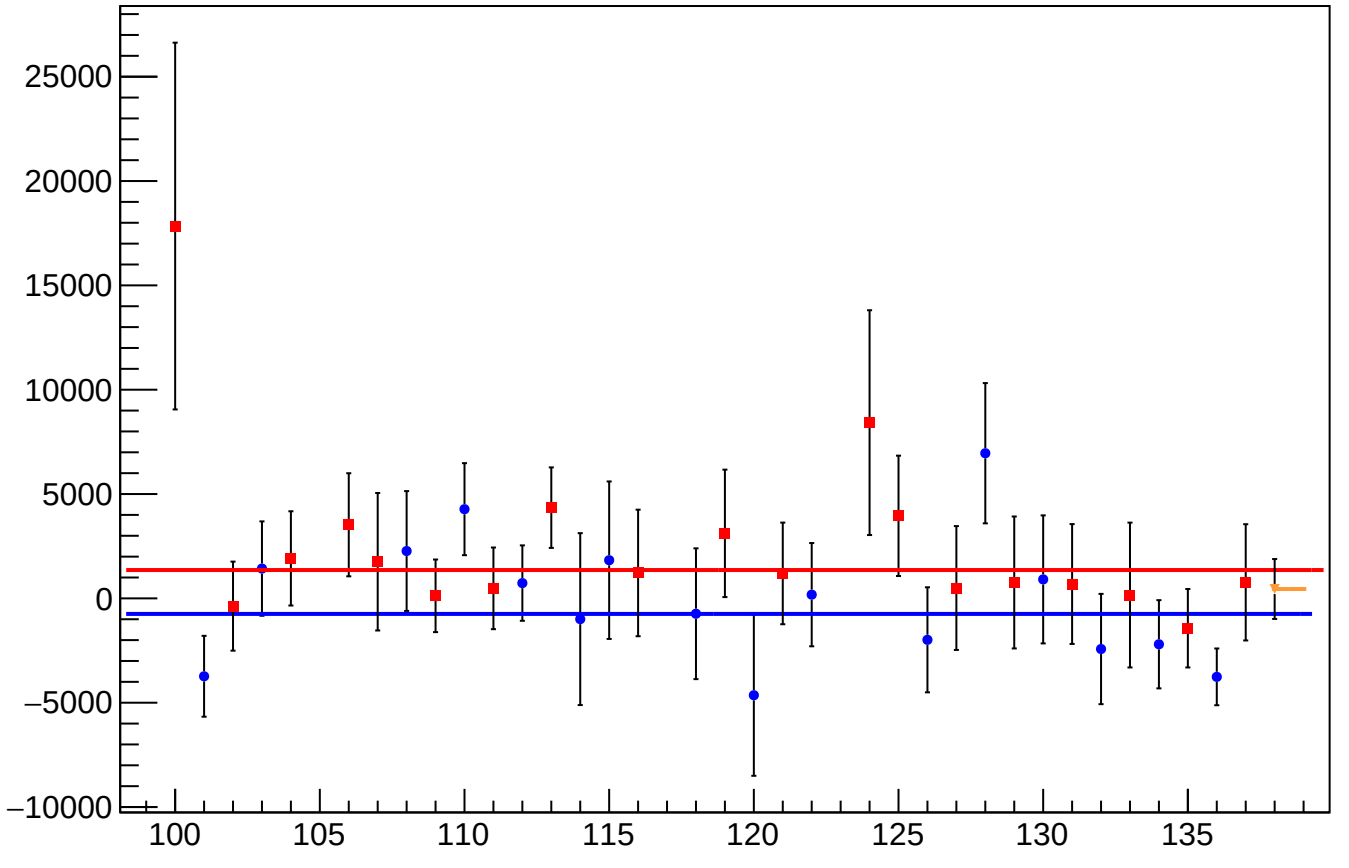
Left: 160.221+/-0.132 χ^2/NDF: 0.0/0

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 139.566+/-0.039 χ^2/NDF:976734.6/15

Out: 144.874+/-0.038 χ^2/NDF:1131516.6/19

All: 142.279+/-0.027 χ^2/NDF: 2117802.6/35



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: 449.090+/-1435.150 χ^2/NDF:0.0/0

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

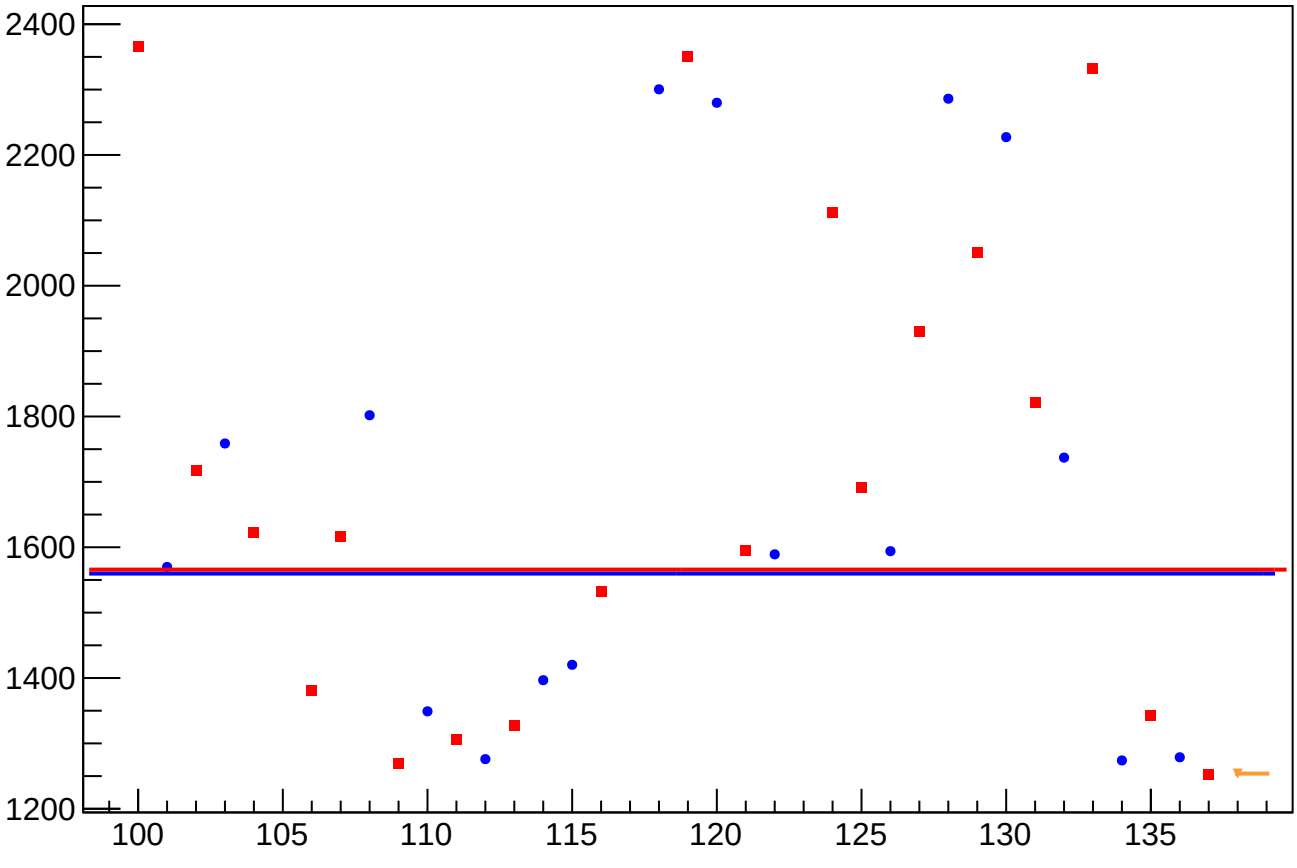
Left: 449.090+/-1435.150 χ^2/NDF: 0.0/0

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -744.681+/-595.810 χ^2/NDF:23.5/15

Out: 1228.082+/-542.365 χ^2/NDF:13.9/19

All: 334.131+/-401.076 χ^2/NDF: 43.3/35



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 1253.802+/-1.015 χ^2/NDF:0.0/0

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

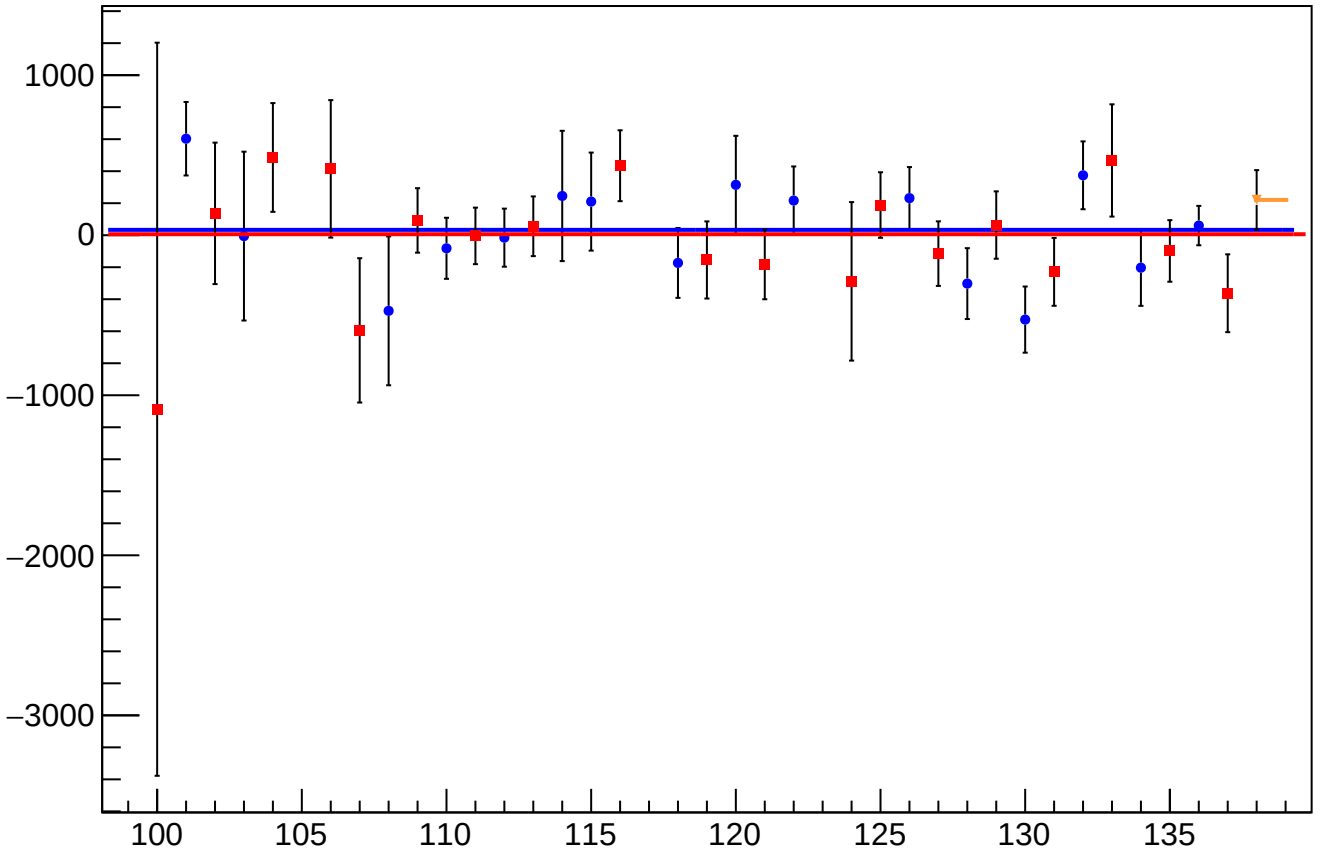
Left: 1253.802+/-1.015 χ^2/NDF: 0.0/0

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 1559.735+/-0.421 χ^2/NDF:604209.5/15

Out: 1521.248+/-0.384 χ^2/NDF:644875.5/19

All: 1538.688+/-0.284 χ^2/NDF: 1253648.9/35



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 220.653+/-186.057 χ^2/NDF:0.0/0

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 220.653+/-186.057 χ^2/NDF: 0.0/0

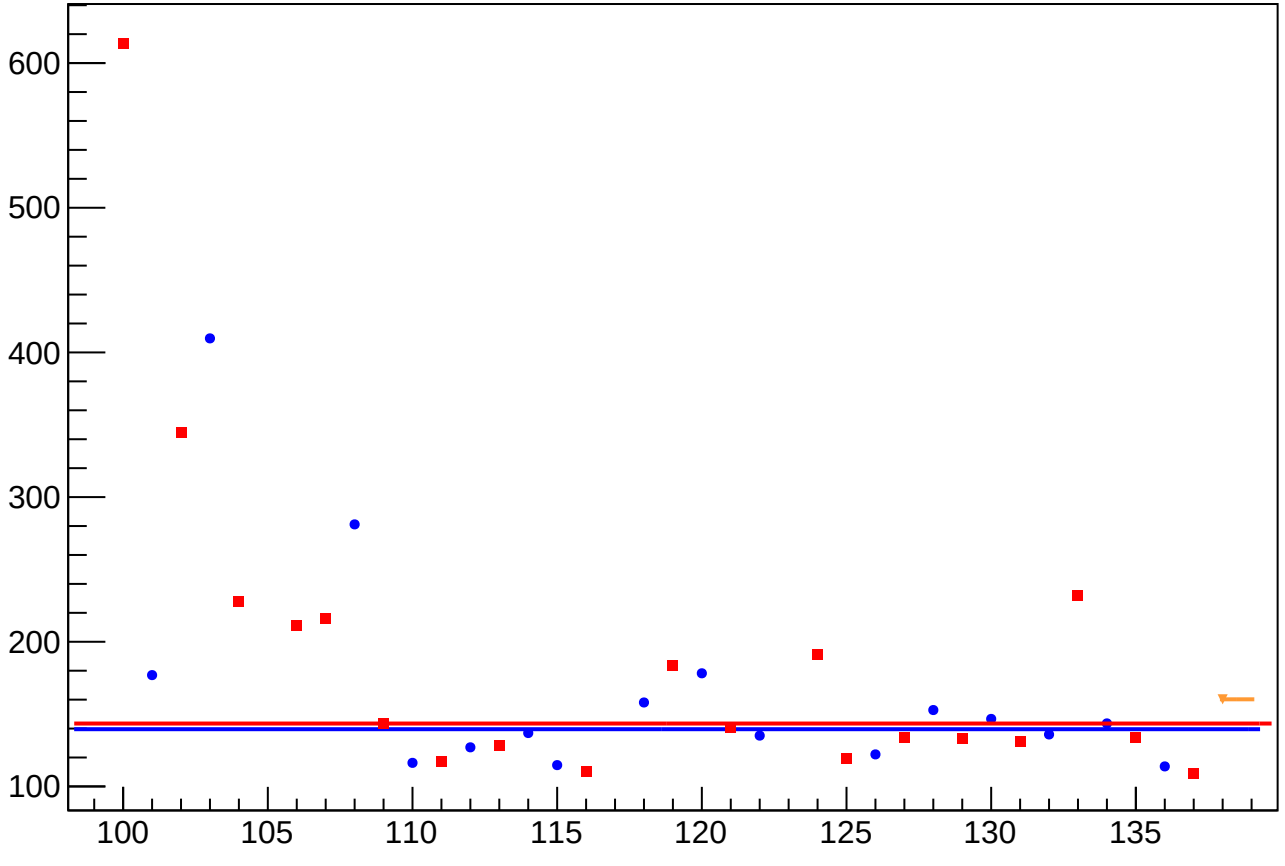
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 33.469+/-54.908 χ^2/NDF:25.2/15

Out: 23.977+/-53.703 χ^2/NDF:18.5/19

All: 28.618+/-38.393 χ^2/NDF: 43.7/35

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 160.222+/-0.132 χ^2/NDF:0.0/0

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

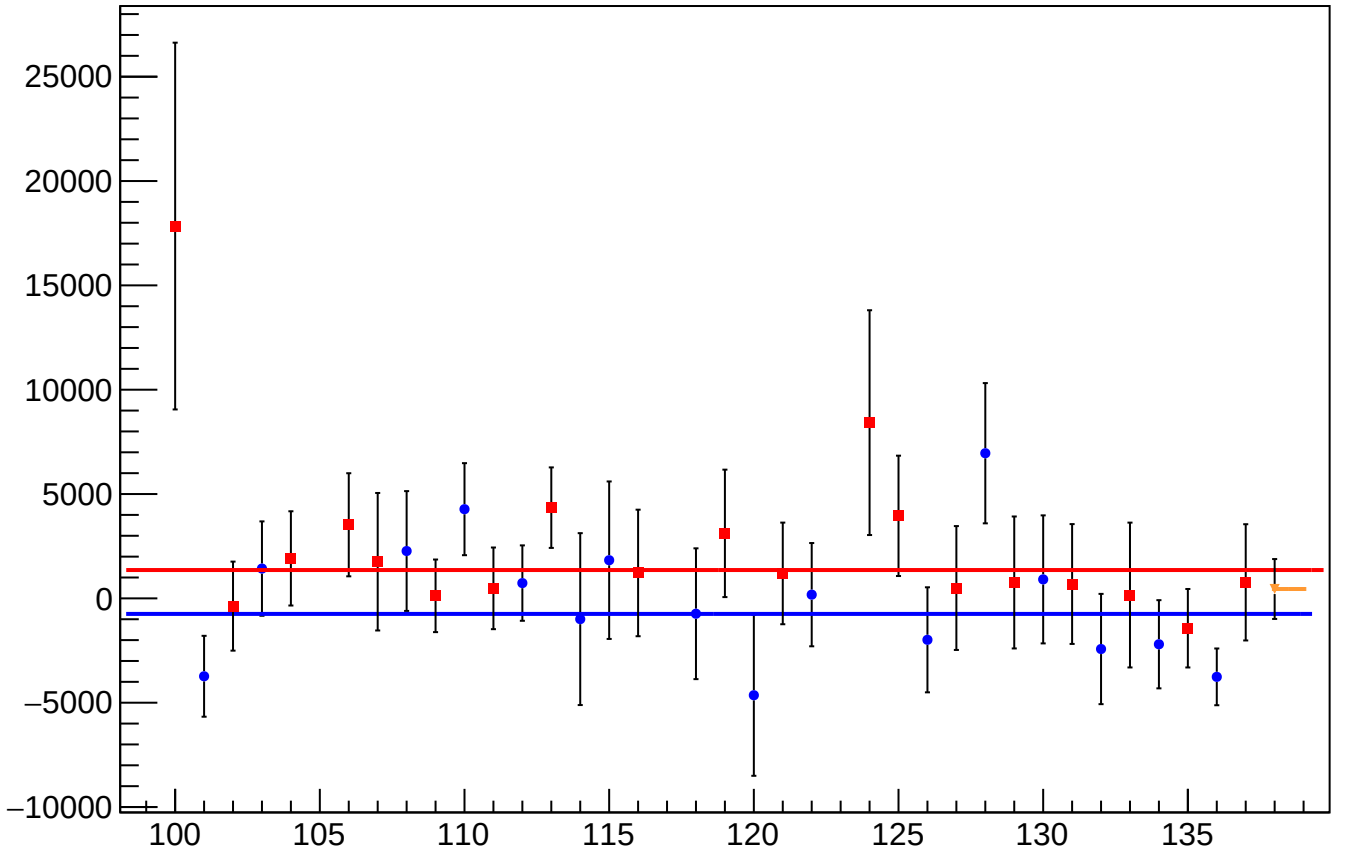
Left: 160.222+/-0.132 χ^2/NDF: 0.0/0

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 139.567+/-0.039 χ^2/NDF:976737.0/15

Out: 144.875+/-0.038 χ^2/NDF:1131522.8/19

All: 142.280+/-0.027 χ^2/NDF: 2117811.8/35



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: 449.087+/-1435.153 χ^2/NDF:0.0/0

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

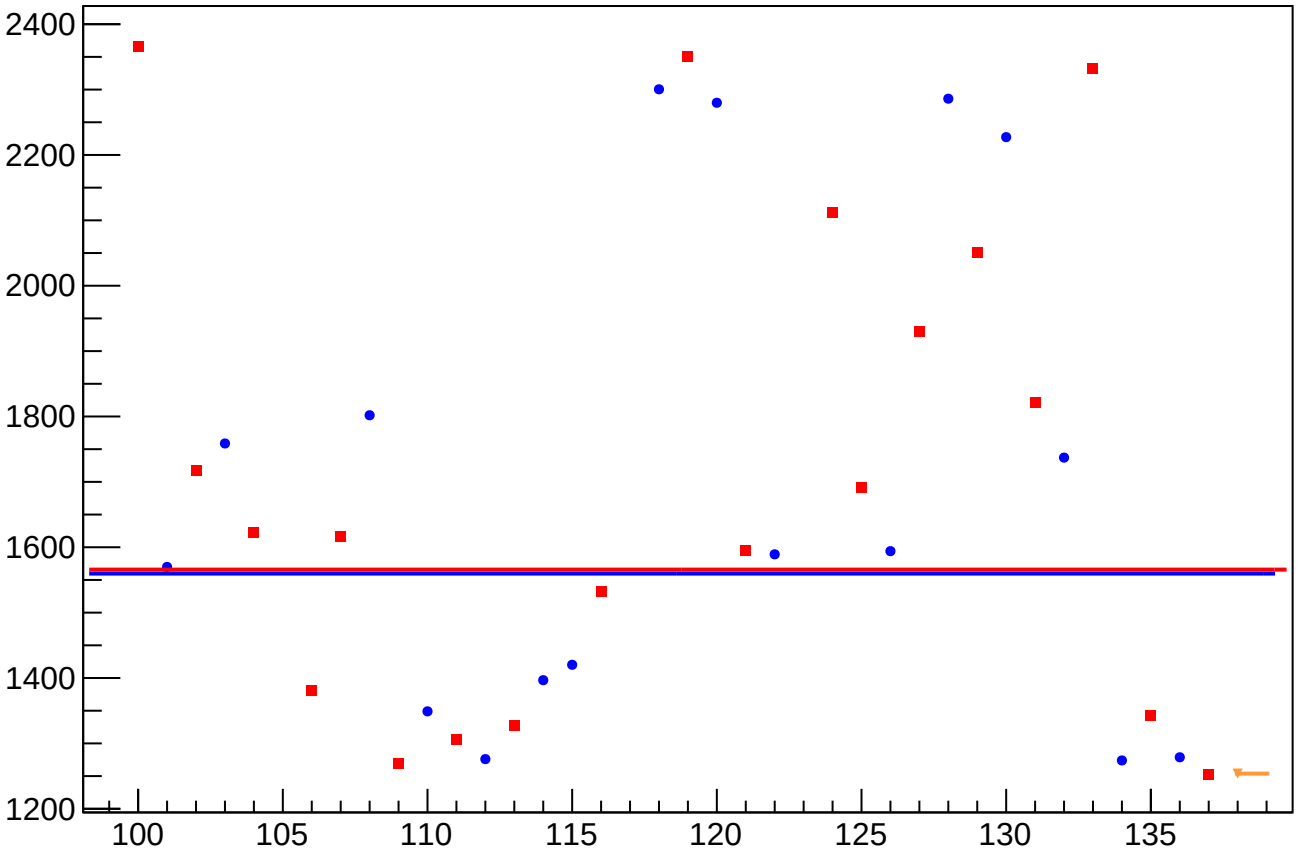
Left: 449.087+/-1435.153 χ^2/NDF: 0.0/0

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -744.678+/-595.809 χ^2/NDF:23.5/15

Out: 1228.082+/-542.364 χ^2/NDF:13.9/19

All: 334.132+/-401.076 χ^2/NDF: 43.3/35



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 1253.805+/-1.015 χ^2/NDF:0.0/0

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1253.805+/-1.015 χ^2/NDF: 0.0/0

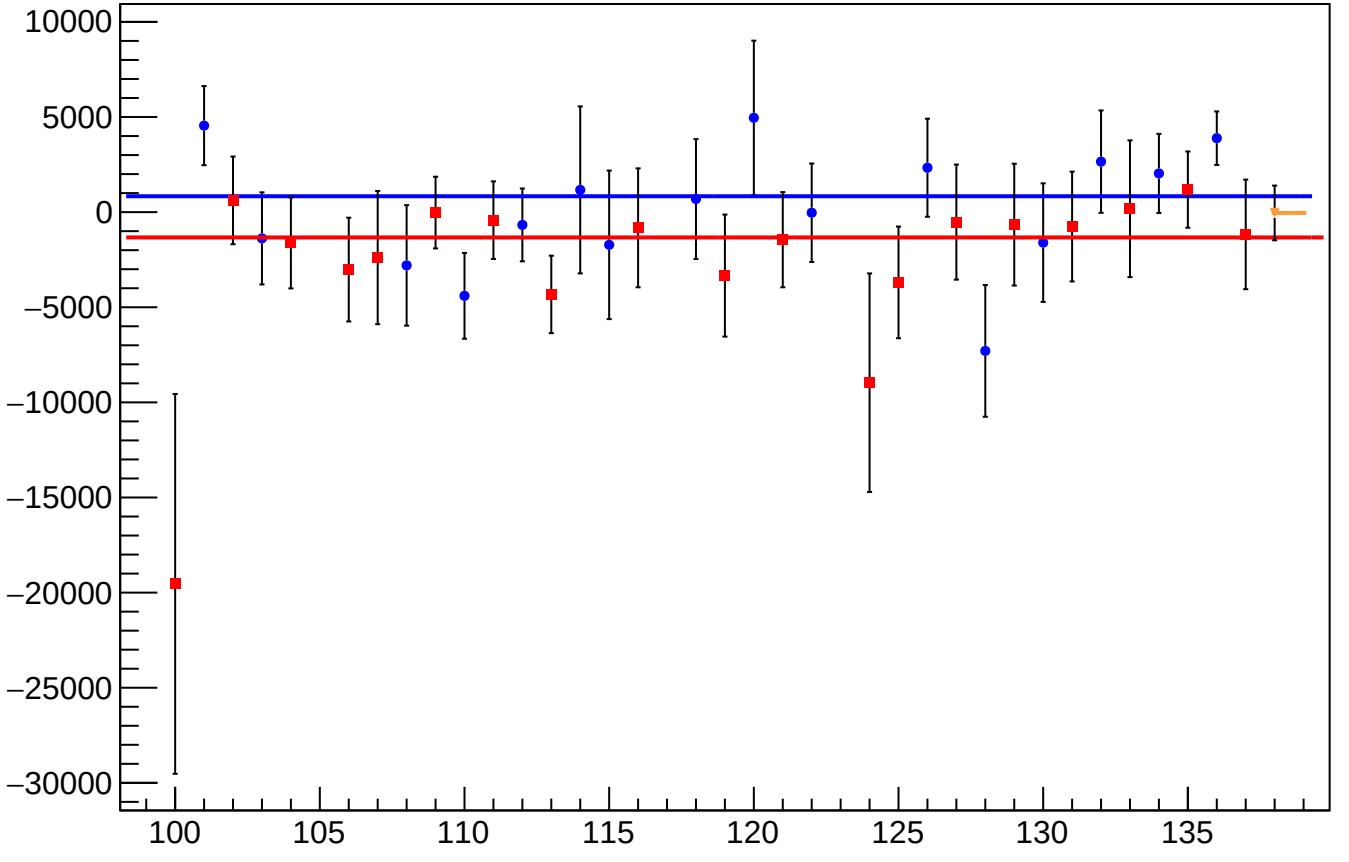
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 1559.734+/-0.421 χ^2/NDF:604209.8/15

Out: 1521.246+/-0.384 χ^2/NDF:644870.7/19

All: 1538.687+/-0.284 χ^2/NDF: 1253644.3/35

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: -42.018+/-1438.179 χ^2/NDF:0.0/0

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -42.018+/-1438.179 χ^2/NDF: 0.0/0

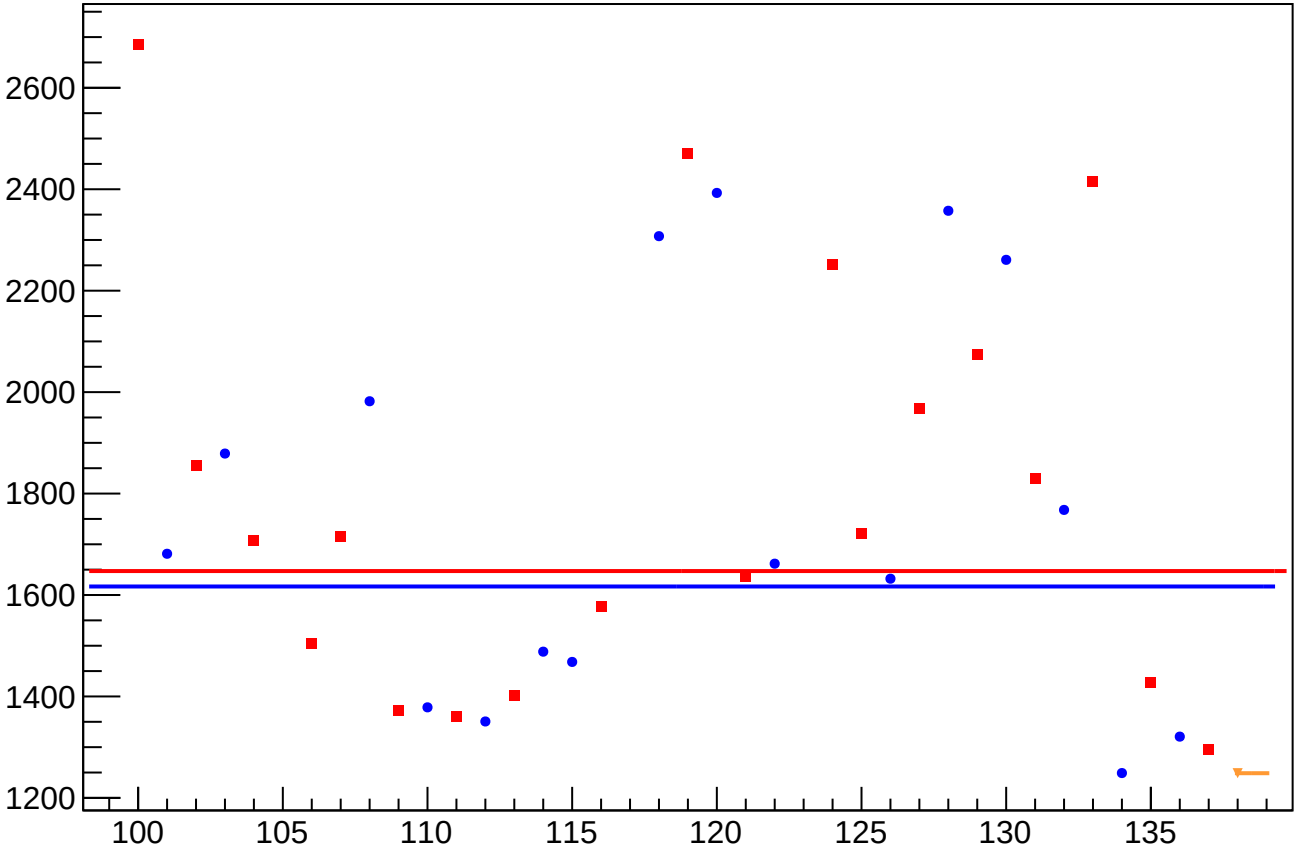
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 835.496+/-618.780 χ^2/NDF:24.9/15

Out: -1129.715+/-566.577 χ^2/NDF:12.8/19

All: -233.490+/-417.869 χ^2/NDF: 43.2/35

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 1248.669+/-1.017 χ^2/NDF:0.0/0

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

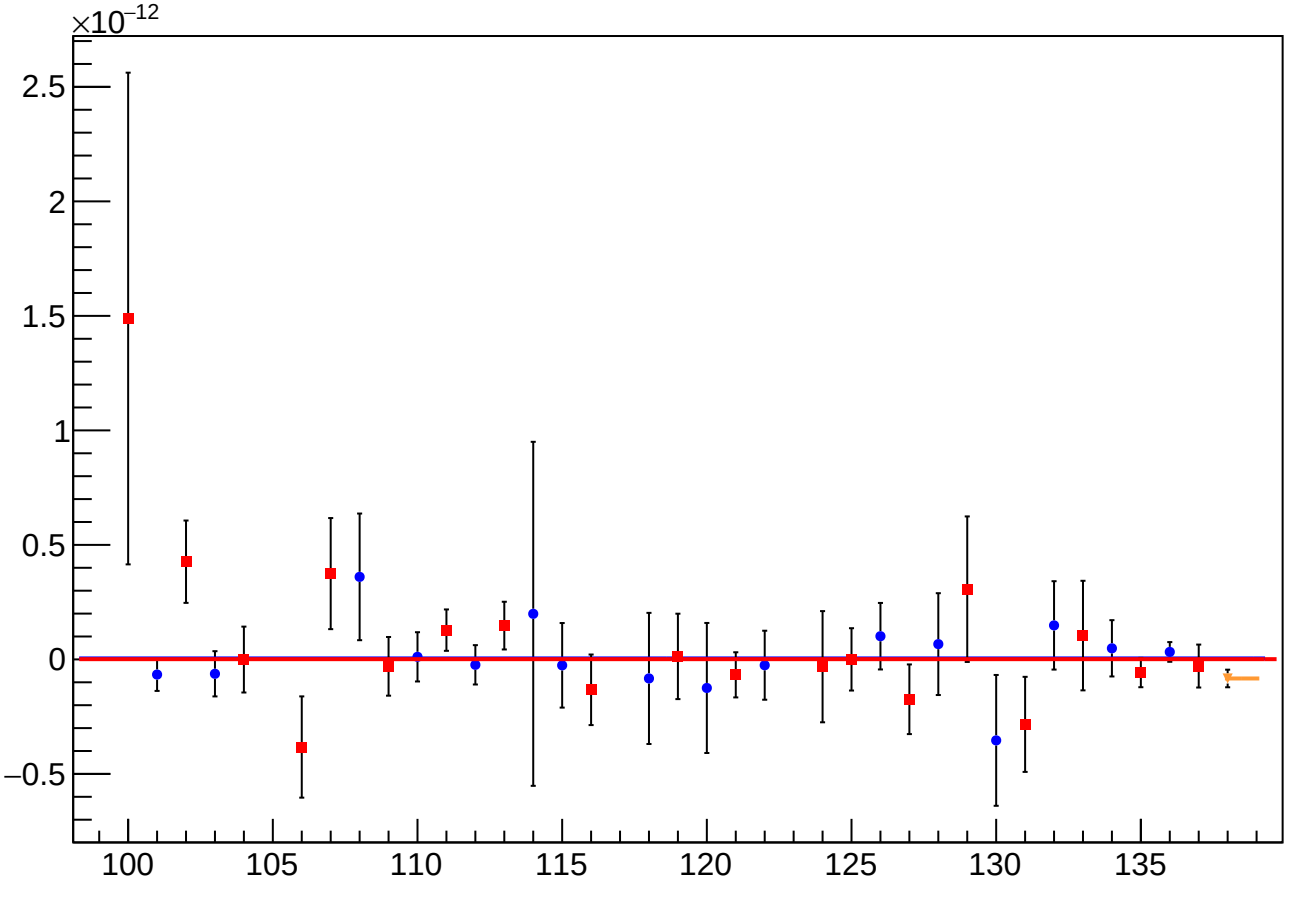
Left: 1248.669+/-1.017 χ^2/NDF: 0.0/0

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1616.804+/-0.438 χ^2/NDF:622271.0/15

Out: 1585.371+/-0.401 χ^2/NDF:653621.0/19

All: 1599.706+/-0.295 χ^2/NDF: 1278699.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

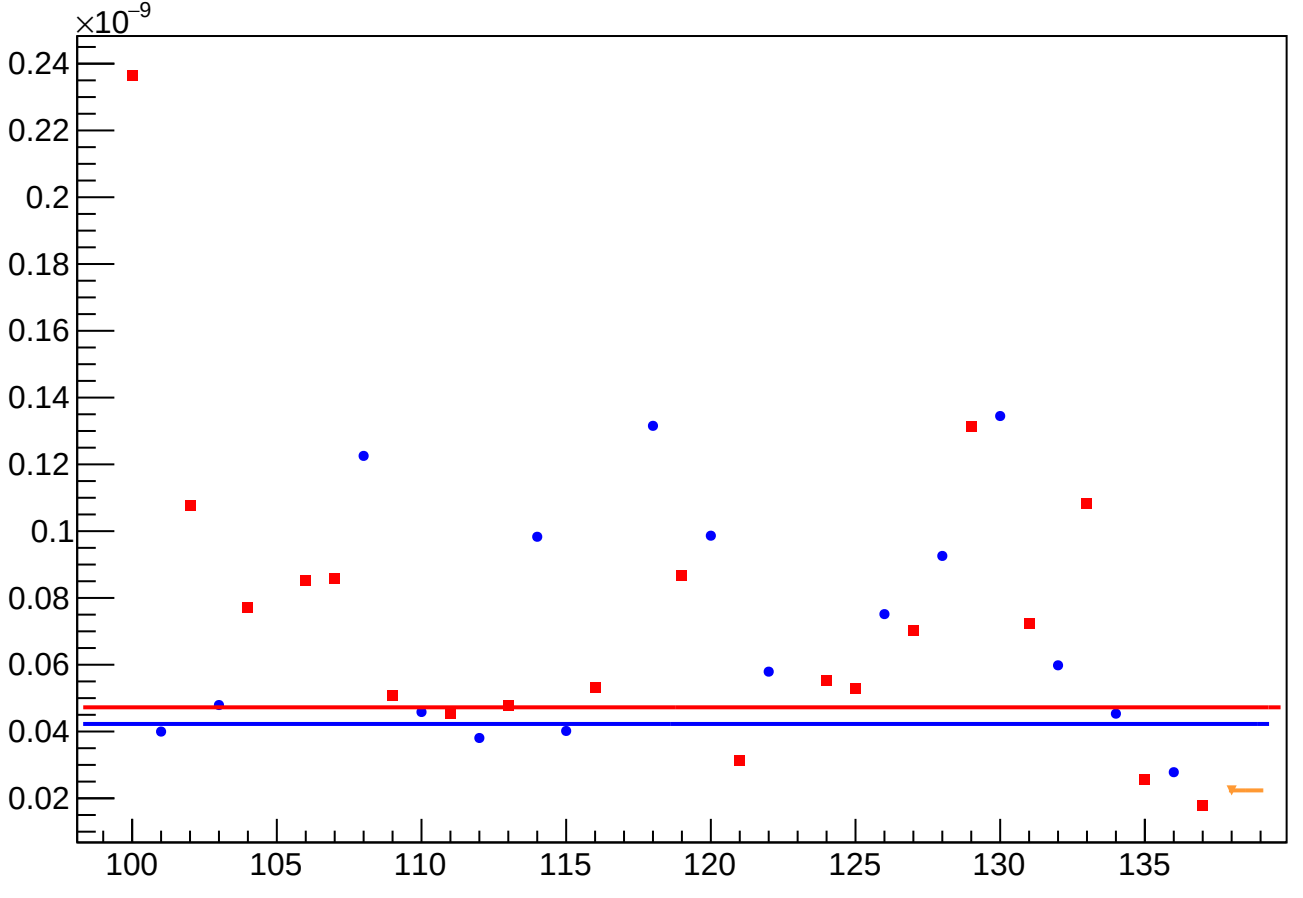
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:6.9/15

Out: -0.000+/-0.000 χ^2/NDF:26.4/19

All: -0.000+/-0.000 χ^2/NDF: 34.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

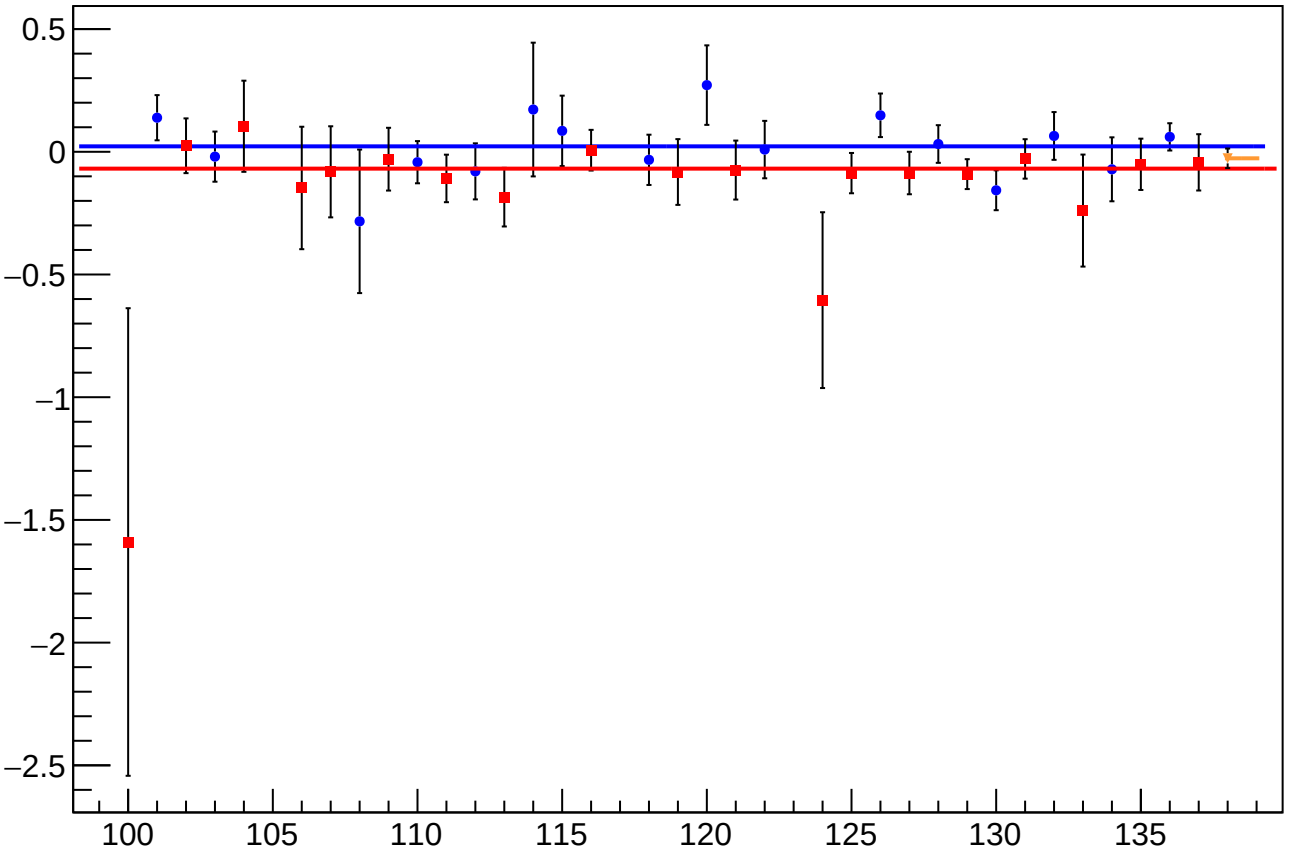
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:1147920.0/15

Out: 0.000+/-0.000 χ^2/NDF:1927568.3/19

All: 0.000+/-0.000 χ^2/NDF: 3107191.9/35



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.027+/-0.040 χ^2/NDF:0.0/0

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

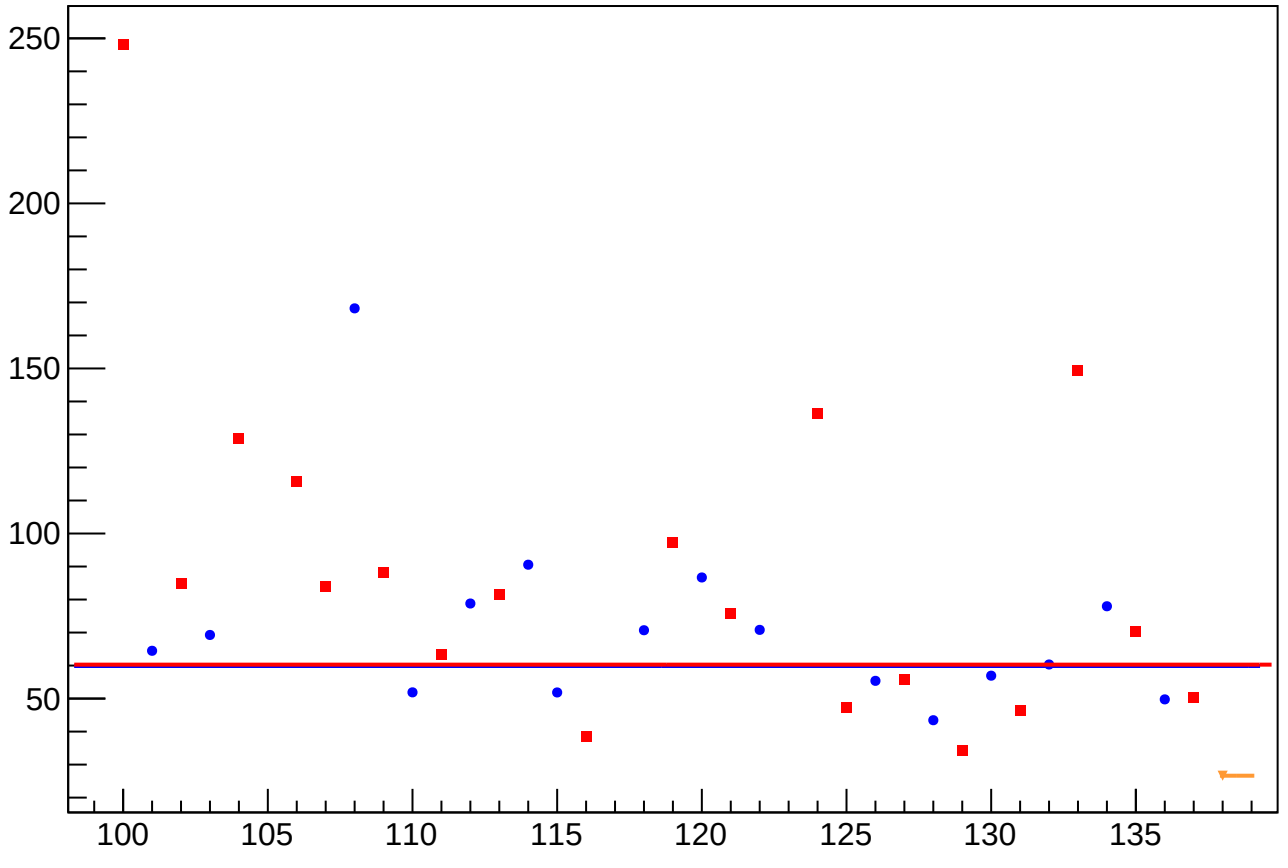
Left: -0.027+/-0.040 χ^2/NDF: 0.0/0

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: 0.022+/-0.025 χ^2/NDF:15.5/15

Out: -0.057+/-0.021 χ^2/NDF:10.4/19

All: -0.023+/-0.016 χ^2/NDF: 31.7/35



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.635+/-0.028 χ^2/NDF:0.0/0

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

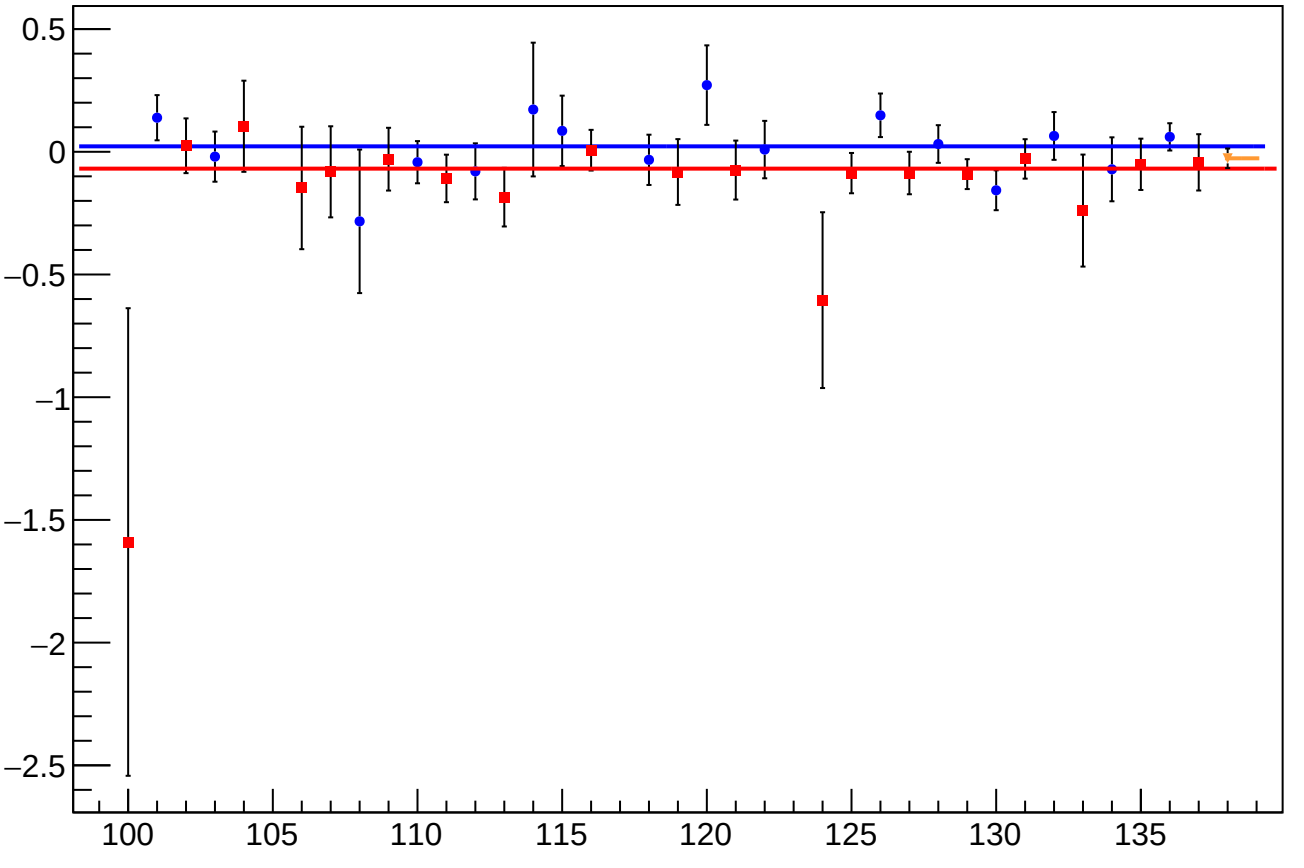
Left: 26.635+/-0.028 χ^2/NDF: 0.0/0

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 59.867+/-0.017 χ^2/NDF:698954.5/15

Out: 50.619+/-0.015 χ^2/NDF:2994383.3/19

All: 54.577+/-0.011 χ^2/NDF: 3854077.4/35



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.027+/-0.040 χ^2/NDF:0.0/0

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

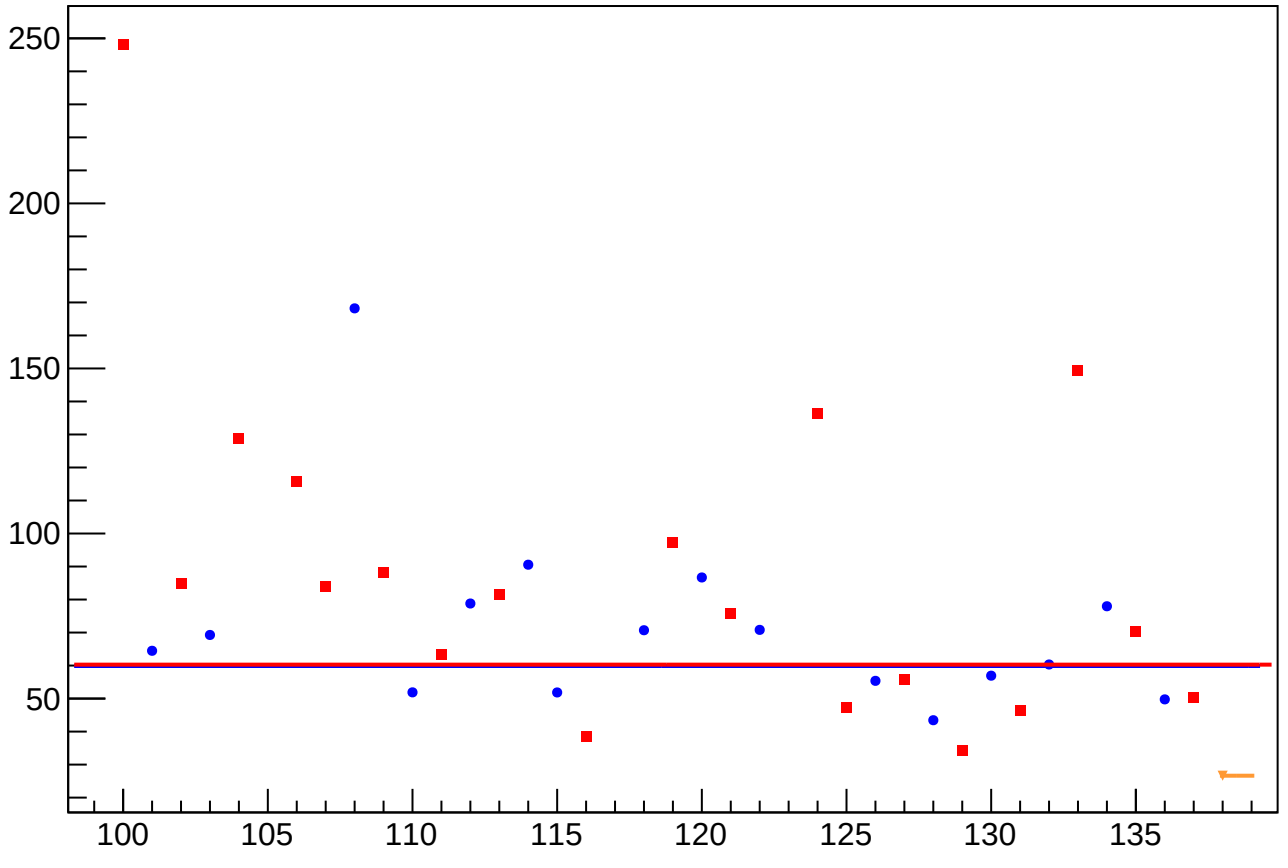
Left: -0.027+/-0.040 χ^2/NDF: 0.0/0

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: 0.022+/-0.025 χ^2/NDF:15.5/15

Out: -0.057+/-0.021 χ^2/NDF:10.4/19

All: -0.023+/-0.016 χ^2/NDF: 31.7/35



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.635+/-0.028 χ^2/NDF:0.0/0

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

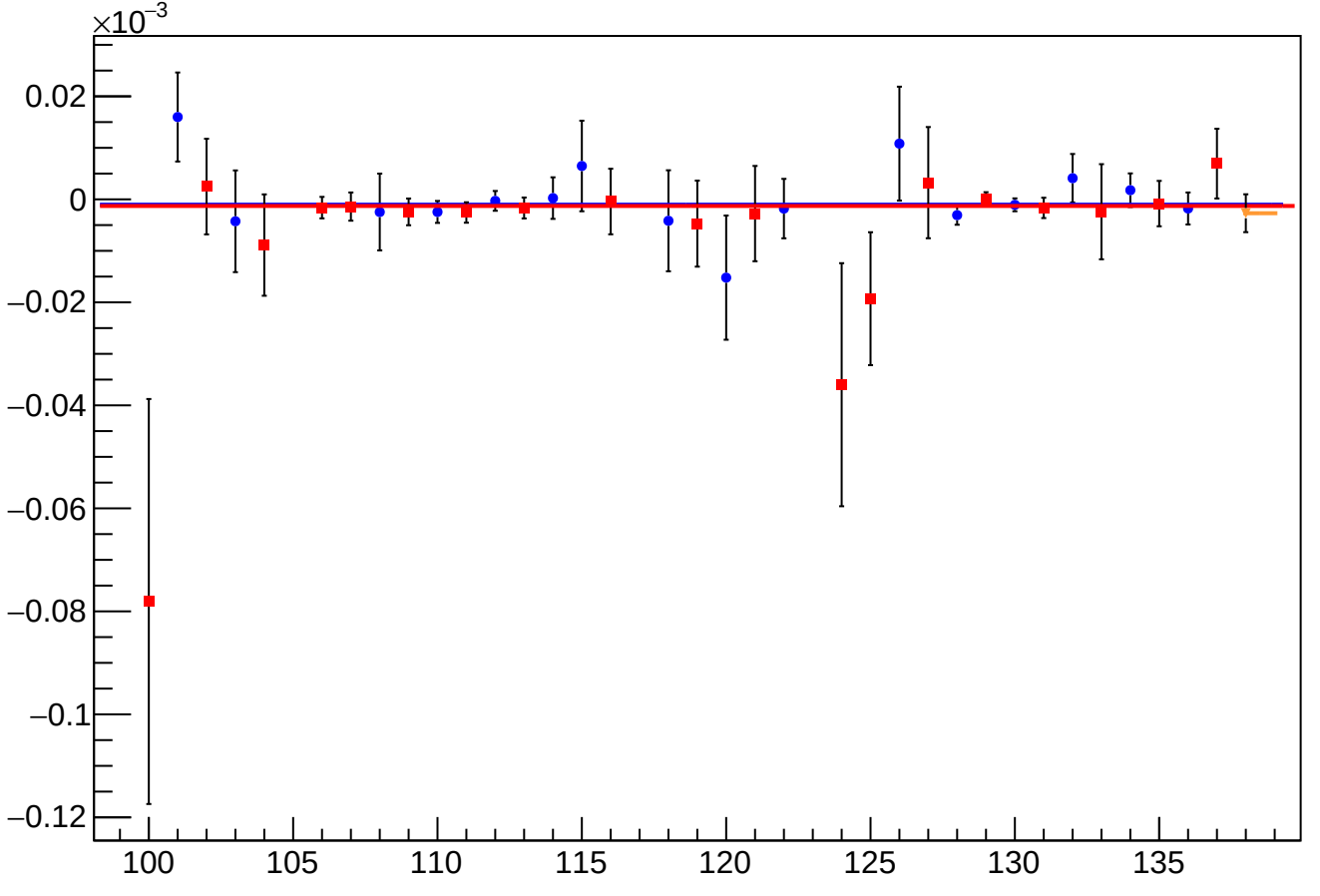
Left: 26.635+/-0.028 χ^2/NDF: 0.0/0

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 59.867+/-0.017 χ^2/NDF:698954.5/15

Out: 50.619+/-0.015 χ^2/NDF:2994383.3/19

All: 54.577+/-0.011 χ^2/NDF: 3854077.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

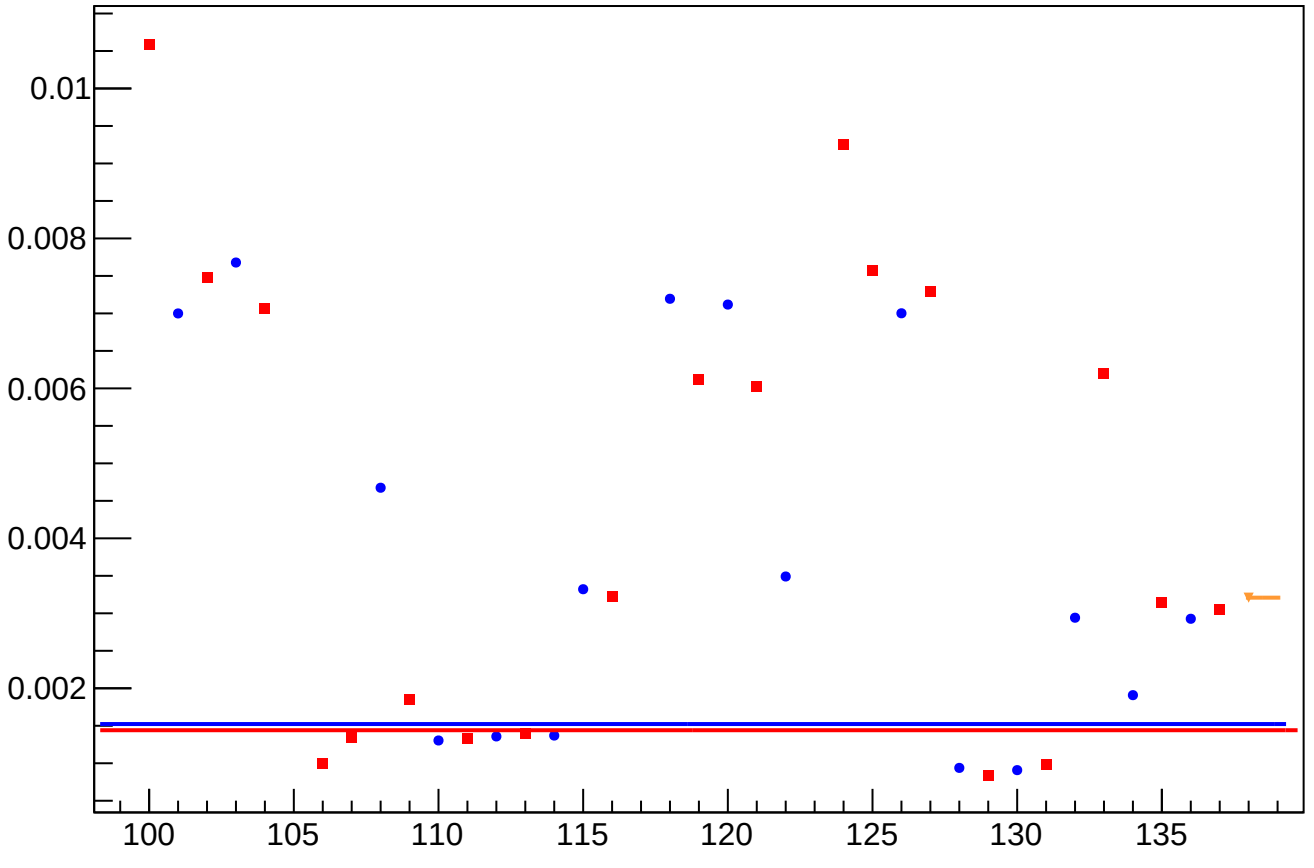
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:11.3/15

Out: -0.000+/-0.000 χ^2/NDF:12.6/19

All: -0.000+/-0.000 χ^2/NDF: 24.0/35



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

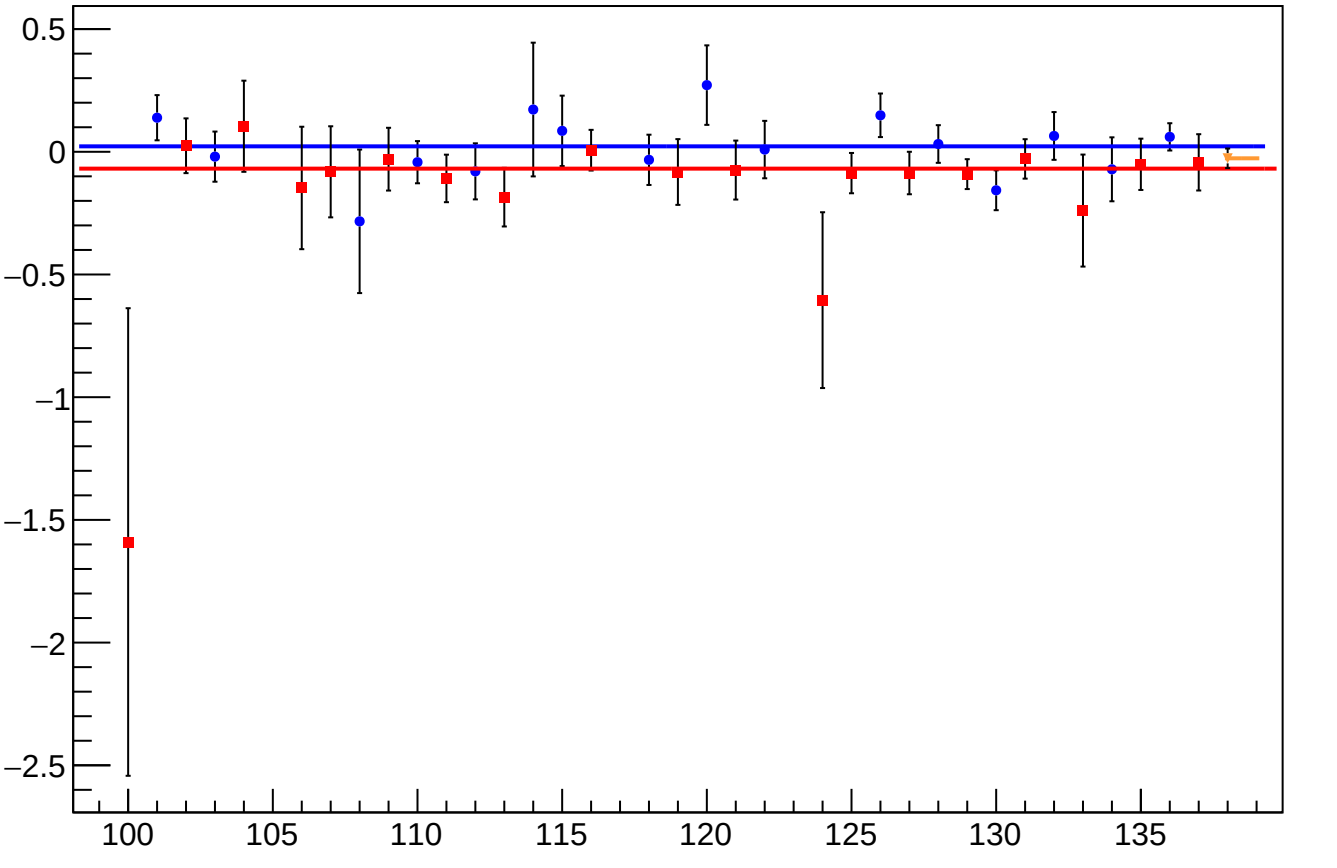
Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:5182869.7/15

Out: 0.002+/-0.000 χ^2/NDF:6235509.4/19

All: 0.002+/-0.000 χ^2/NDF: 11419218.6/35



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.027+/-0.040 χ^2/NDF:0.0/0

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

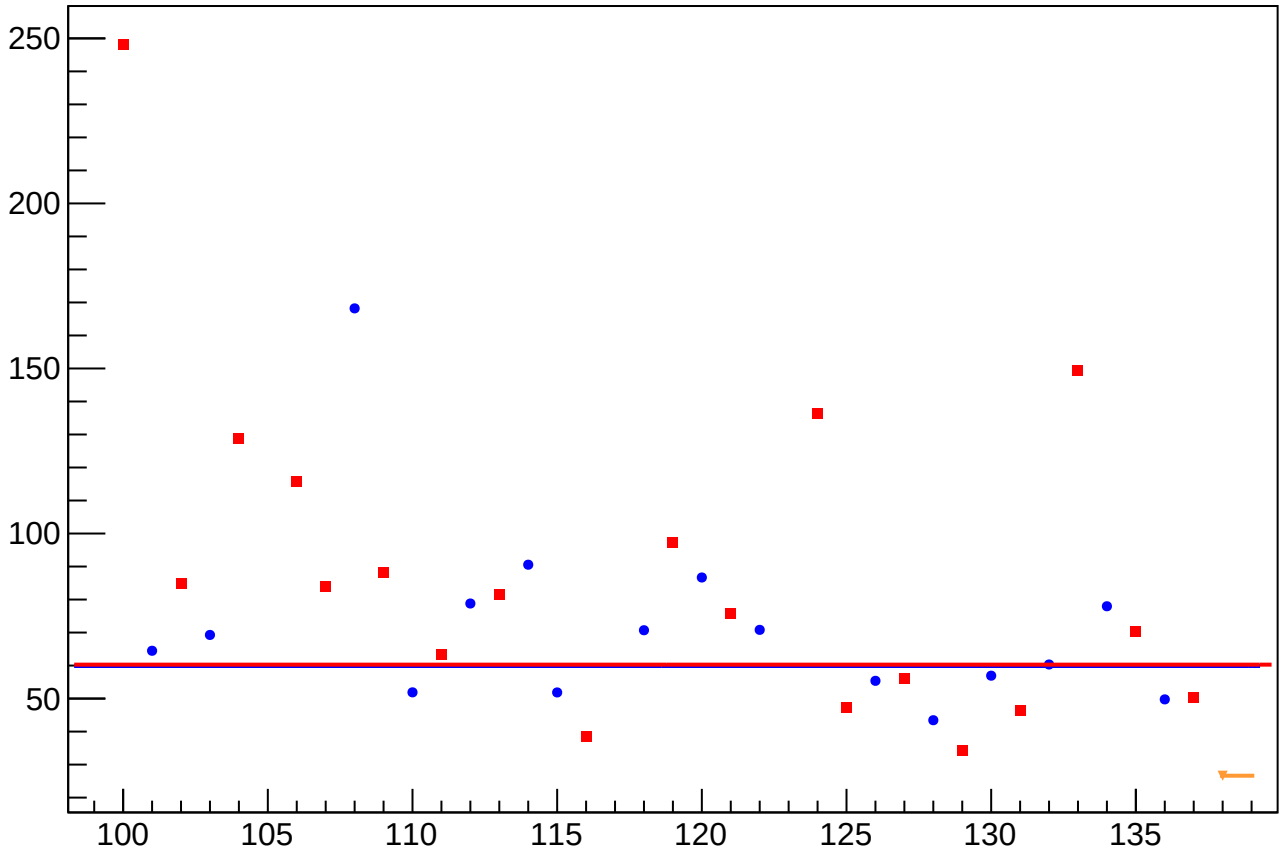
Left: -0.027+/-0.040 χ^2/NDF: 0.0/0

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: 0.022+/-0.025 χ^2/NDF:15.5/15

Out: -0.057+/-0.021 χ^2/NDF:10.4/19

All: -0.023+/-0.016 χ^2/NDF: 31.7/35



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.633+/-0.028 χ^2/NDF:0.0/0

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

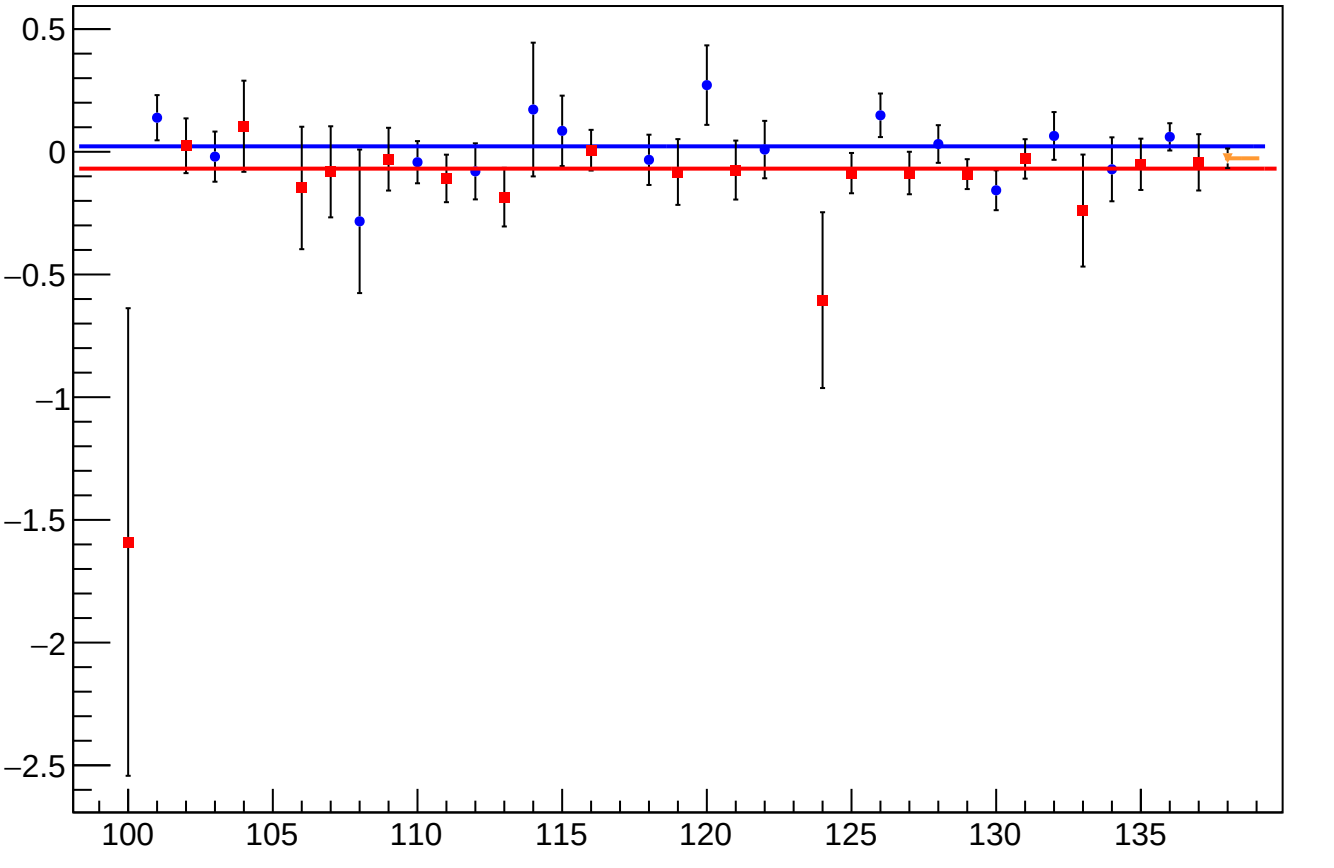
Left: 26.633+/-0.028 χ^2/NDF: 0.0/0

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 59.868+/-0.017 χ^2/NDF:699008.9/15

Out: 50.617+/-0.015 χ^2/NDF:2994677.5/19

All: 54.576+/-0.011 χ^2/NDF: 3854490.0/35



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.027+/-0.040 χ^2/NDF:0.0/0

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.027+/-0.040 χ^2/NDF: 0.0/0

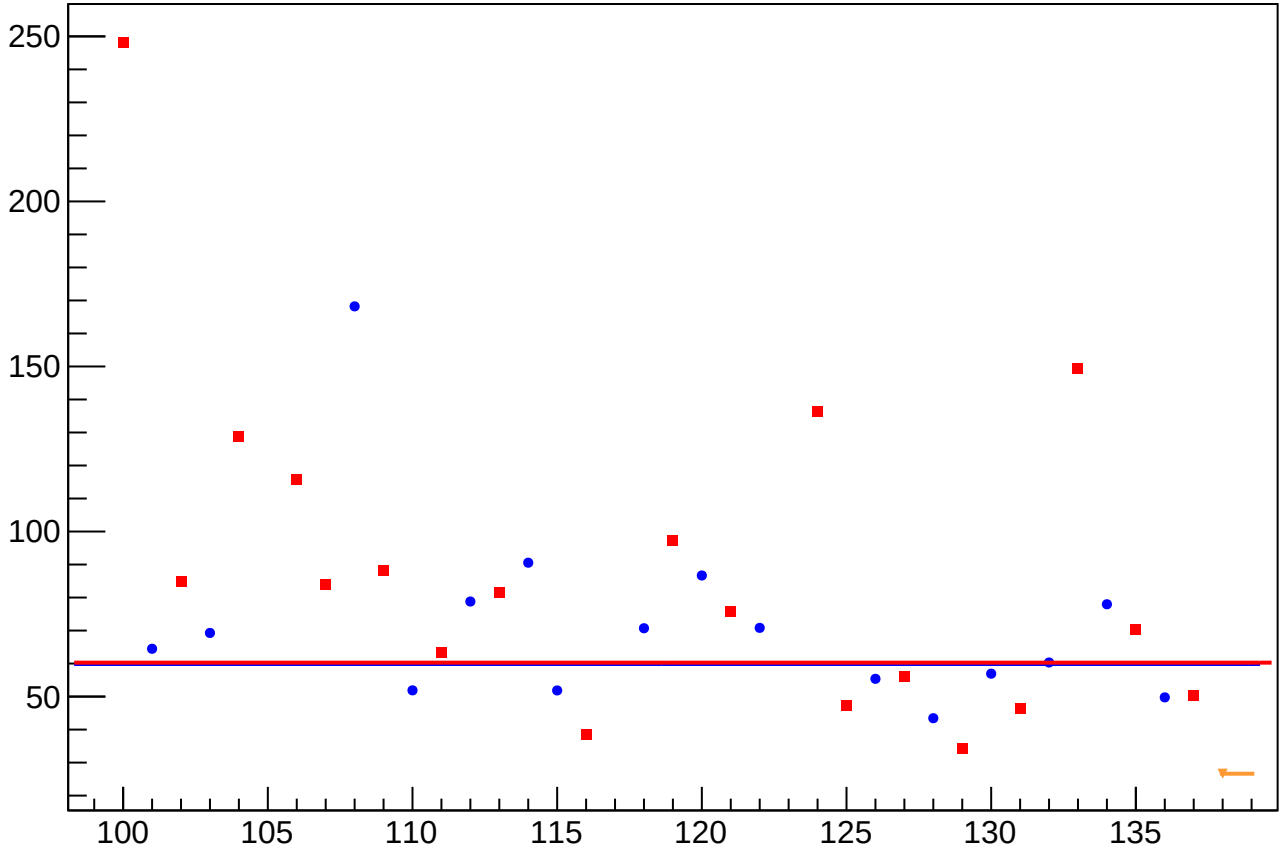
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: 0.022+/-0.025 χ^2/NDF:15.5/15

Out: -0.057+/-0.021 χ^2/NDF:10.4/19

All: -0.023+/-0.016 χ^2/NDF: 31.7/35

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.633+/-0.028 χ^2/NDF:0.0/0

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

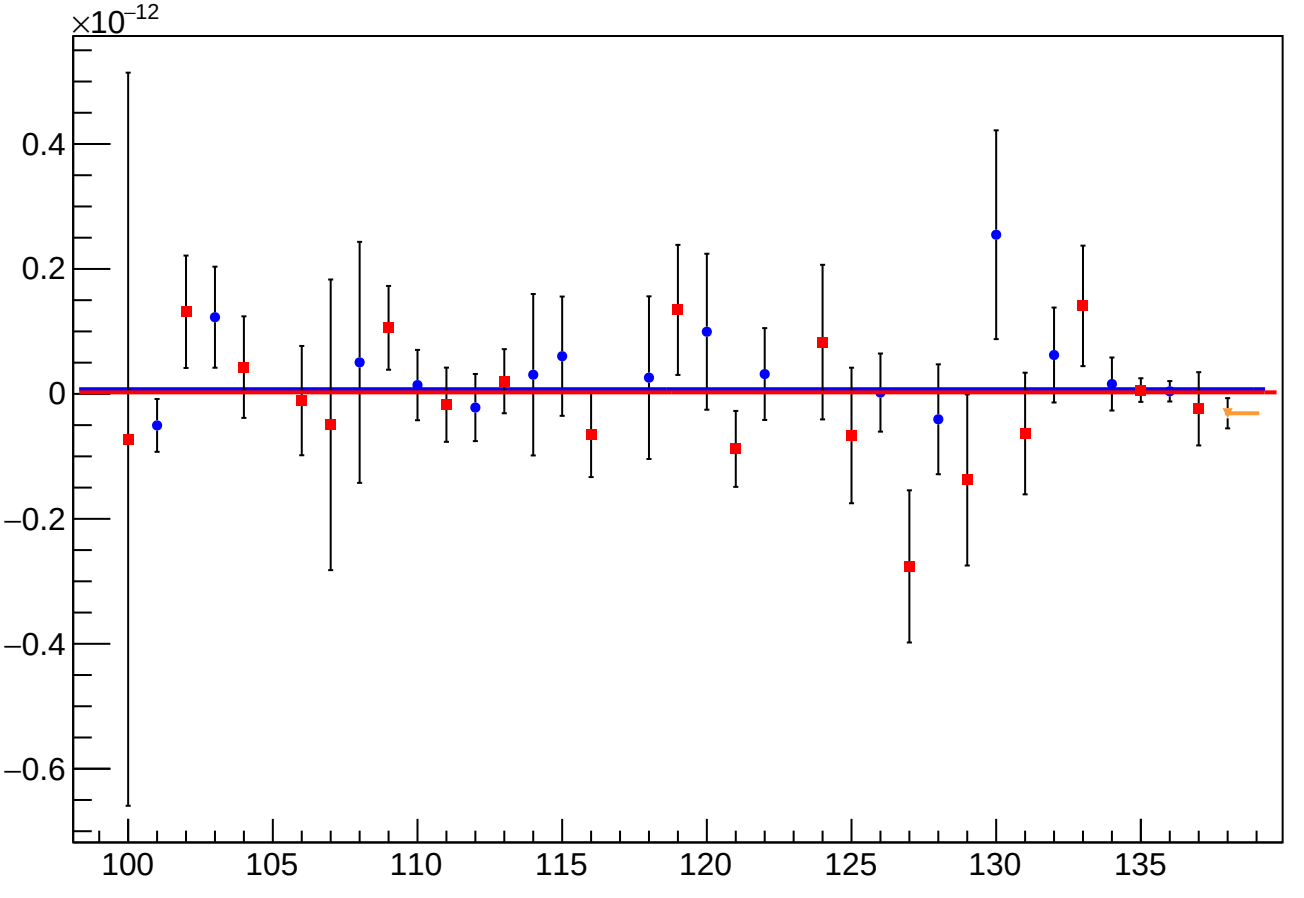
Left: 26.633+/-0.028 χ^2/NDF: 0.0/0

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 59.868+/-0.017 χ^2/NDF:699008.9/15

Out: 50.617+/-0.015 χ^2/NDF:2994677.5/19

All: 54.576+/-0.011 χ^2/NDF: 3854490.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

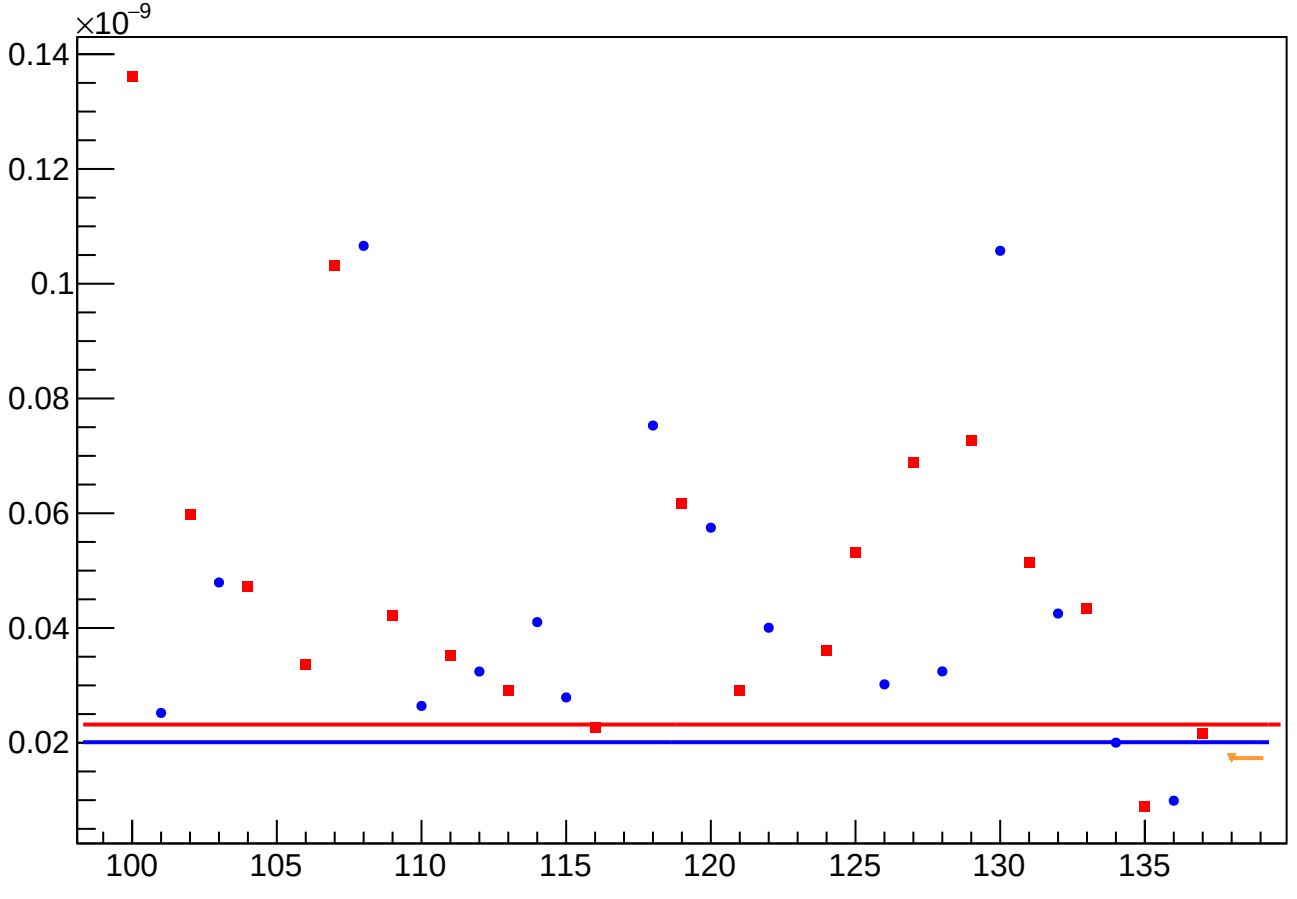
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:8.4/15

Out: -0.000+/-0.000 χ^2/NDF:21.1/19

All: 0.000+/-0.000 χ^2/NDF: 30.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

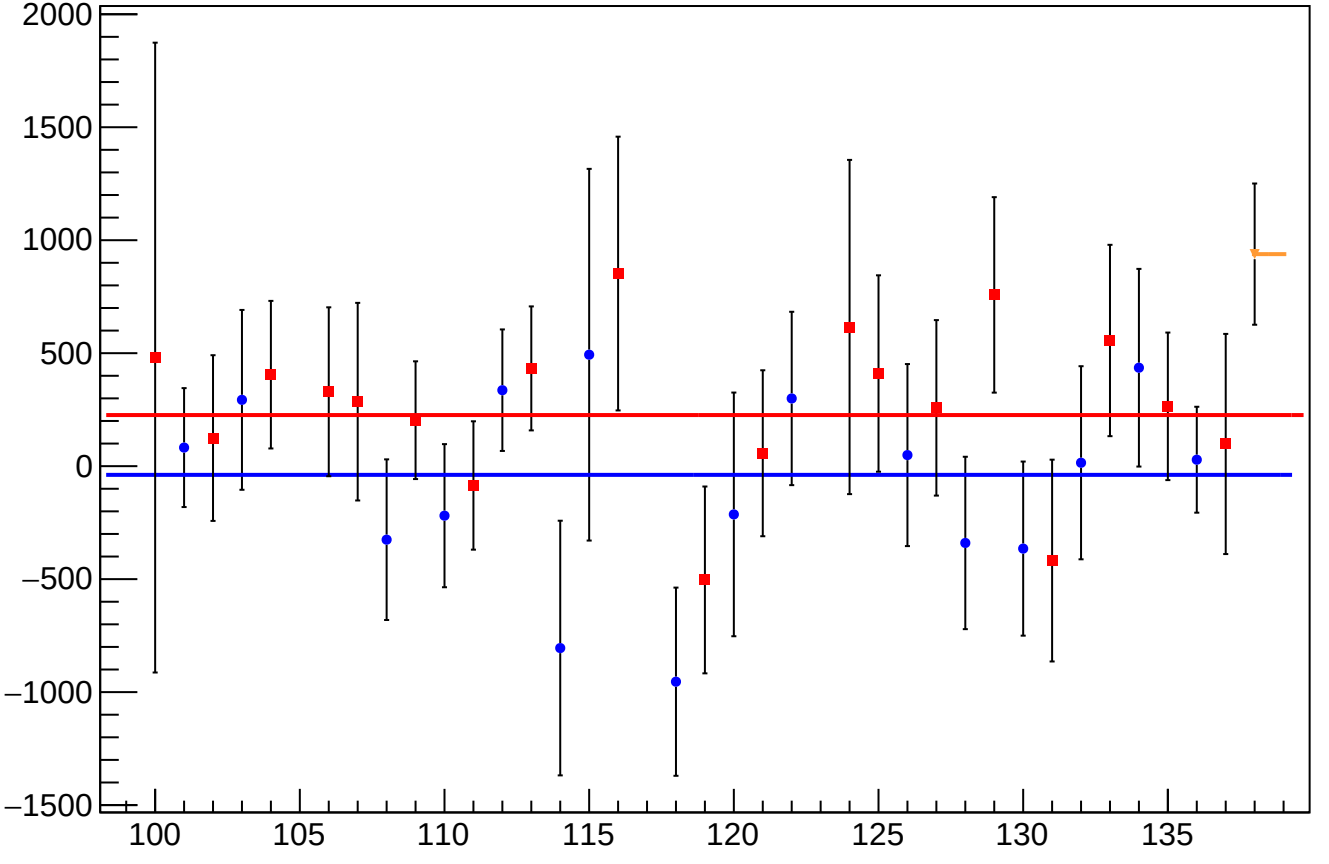
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:3121422.6/15

Out: 0.000+/-0.000 χ^2/NDF:3619699.6/19

All: 0.000+/-0.000 χ^2/NDF: 6760998.5/35

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 938.397+/-312.508 χ^2/NDF:0.0/0

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 938.397+/-312.508 χ^2/NDF: 0.0/0

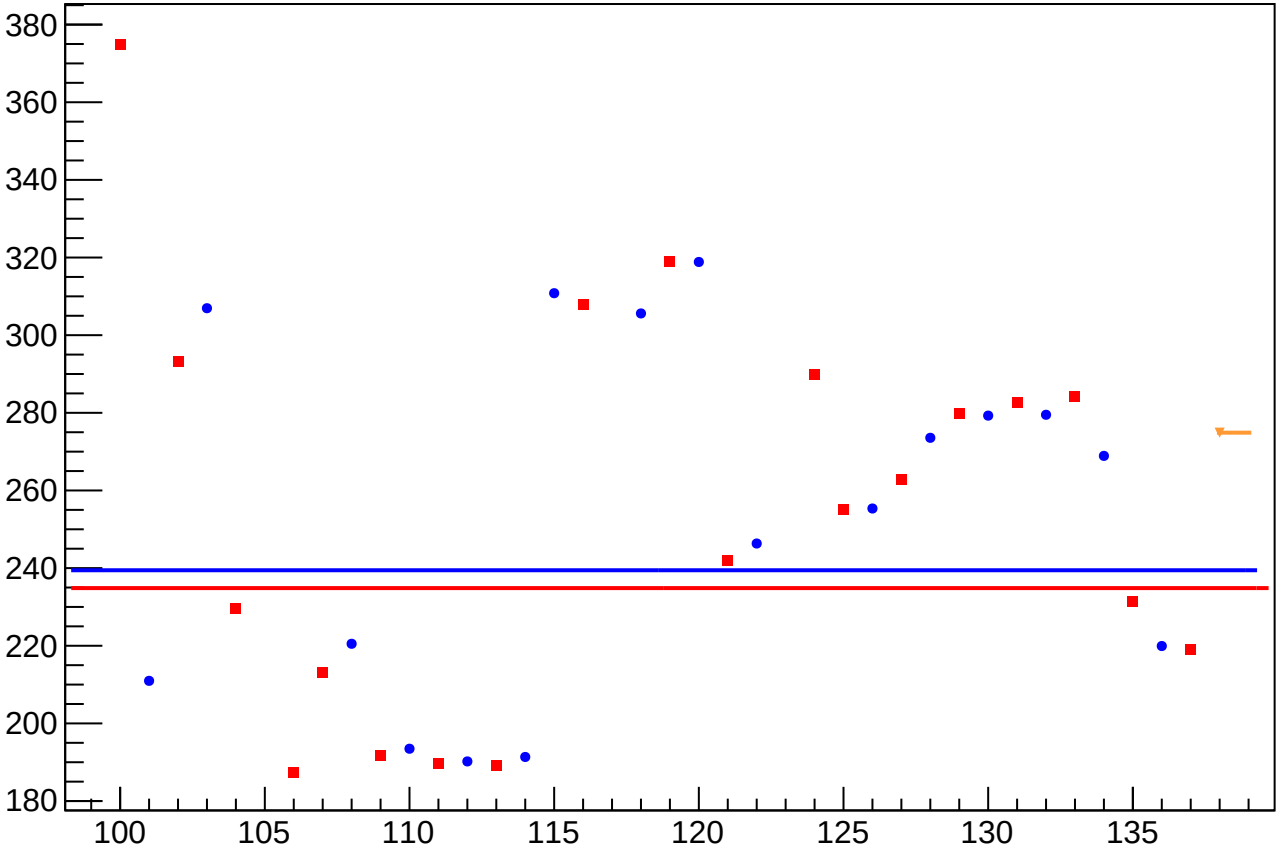
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: -38.498+/-90.619 χ^2/NDF:14.5/15

Out: 278.393+/-84.624 χ^2/NDF:16.2/19

All: 130.775+/-61.849 χ^2/NDF: 37.2/35

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 274.891+/-0.221 χ^2/NDF:0.0/0

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

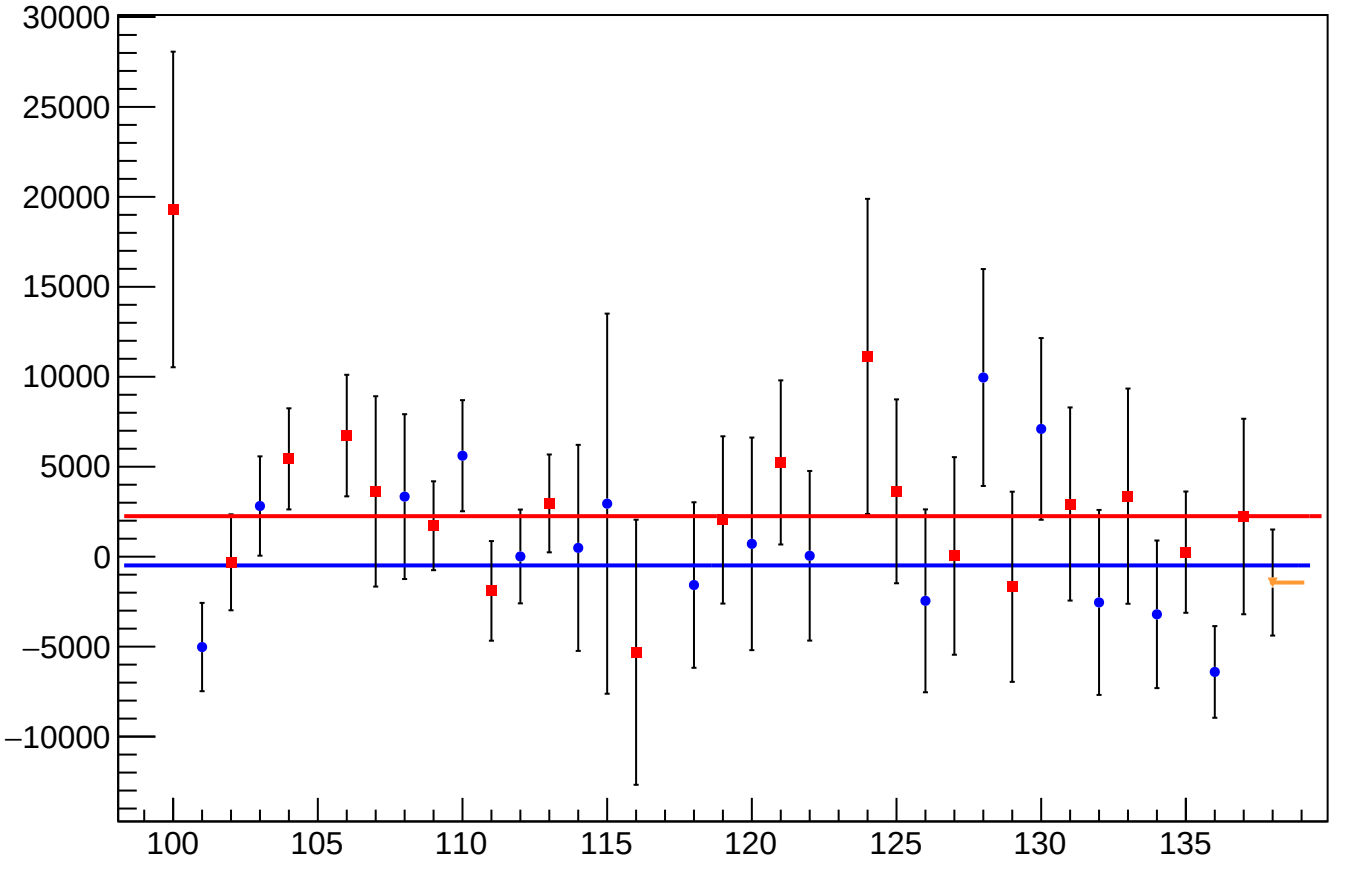
Left: 274.891+/-0.221 χ^2/NDF: 0.0/0

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 239.449+/-0.064 χ^2/NDF:400955.7/15

Out: 237.790+/-0.060 χ^2/NDF:512134.5/19

All: 238.563+/-0.044 χ^2/NDF: 913448.1/35



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -1437.716+/-2947.679 χ^2/NDF:0.0/0

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

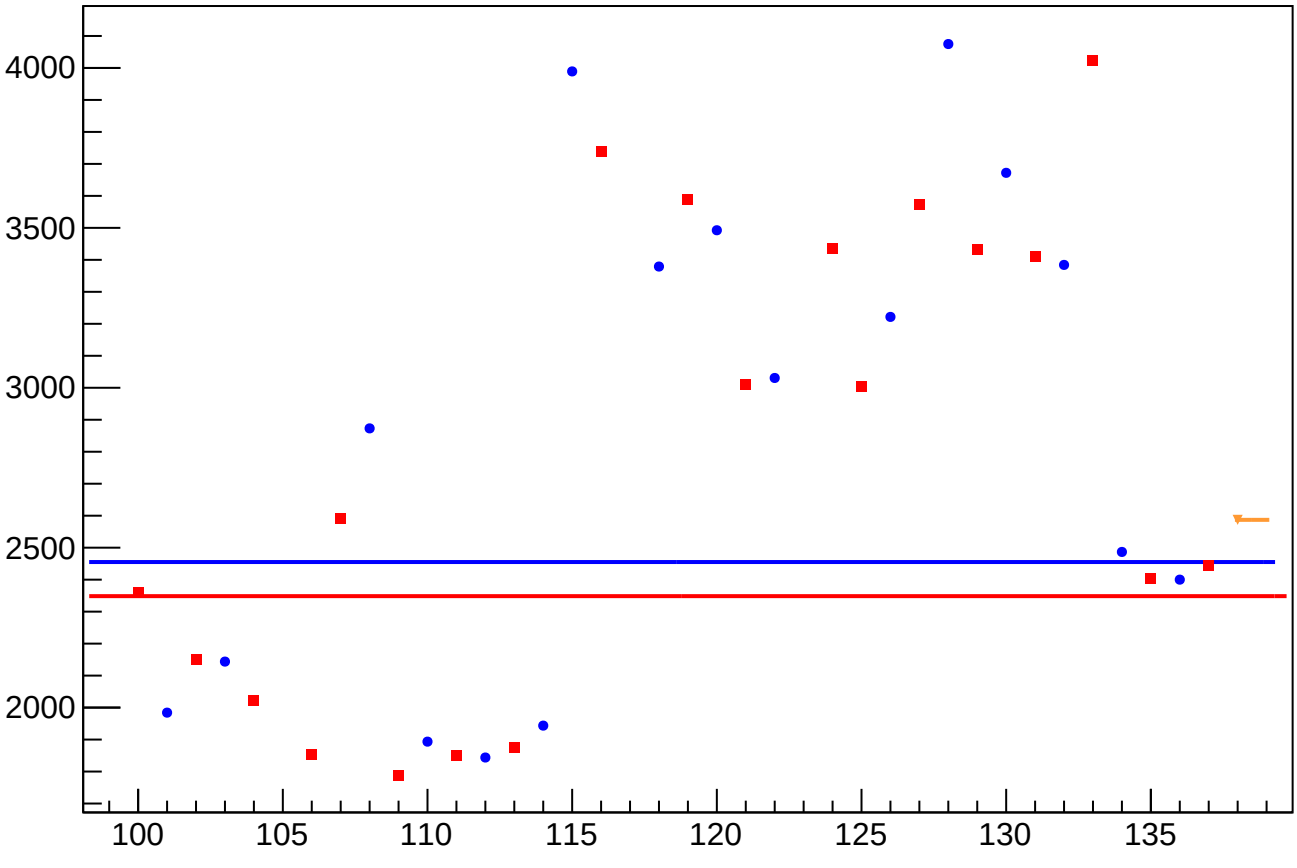
Left: -1437.716+/-2947.679 χ^2/NDF: 0.0/0

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: -485.932+/-947.459 χ^2/NDF:21.1/15

Out: 1940.990+/-855.668 χ^2/NDF:15.3/19

All: 850.756+/-635.027 χ^2/NDF: 40.1/35



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2587.023+/-2.084 χ^2/NDF:0.0/0

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2587.023+/-2.084 χ^2/NDF: 0.0/0

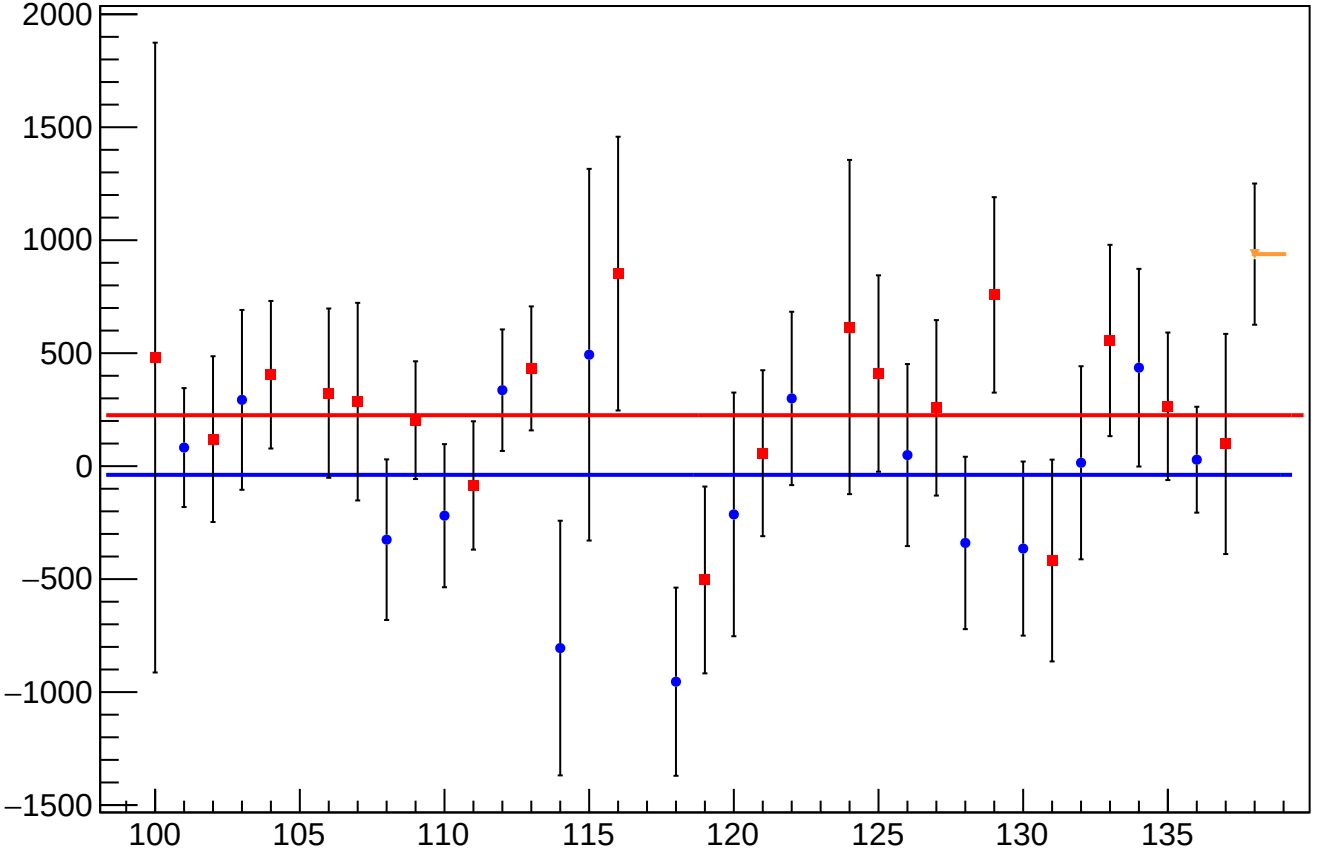
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2455.103+/-0.670 χ^2/NDF:894389.6/15

Out: 2368.550+/-0.605 χ^2/NDF:1064419.2/19

All: 2407.432+/-0.449 χ^2/NDF: 1968001.6/35

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 938.374+/-312.508 χ^2/NDF:0.0/0

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 938.374+/-312.508 χ^2/NDF: 0.0/0

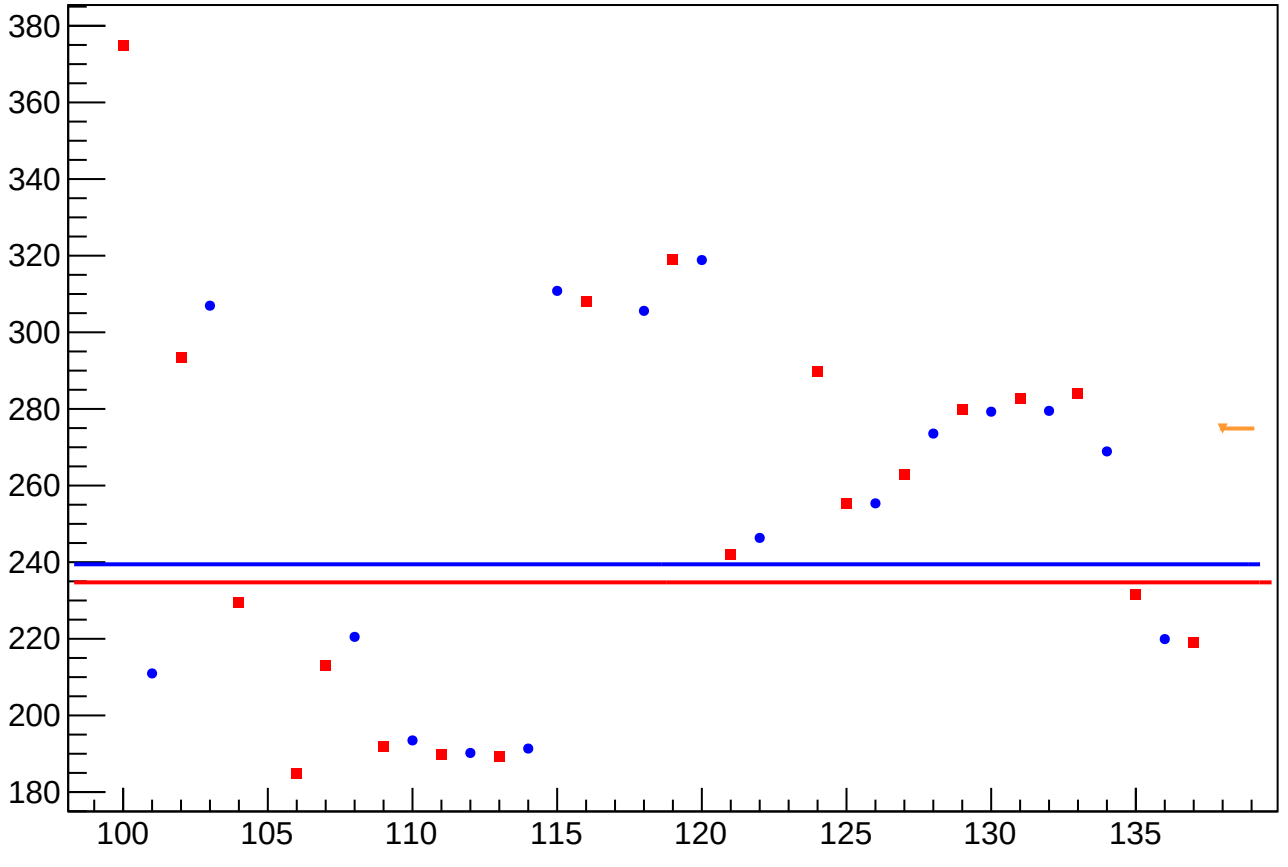
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: -38.519+/-90.619 χ^2/NDF:14.5/15

Out: 277.801+/-84.636 χ^2/NDF:16.2/19

All: 130.427+/-61.854 χ^2/NDF: 37.2/35

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 274.891+/-0.221 χ^2/NDF:0.0/0

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

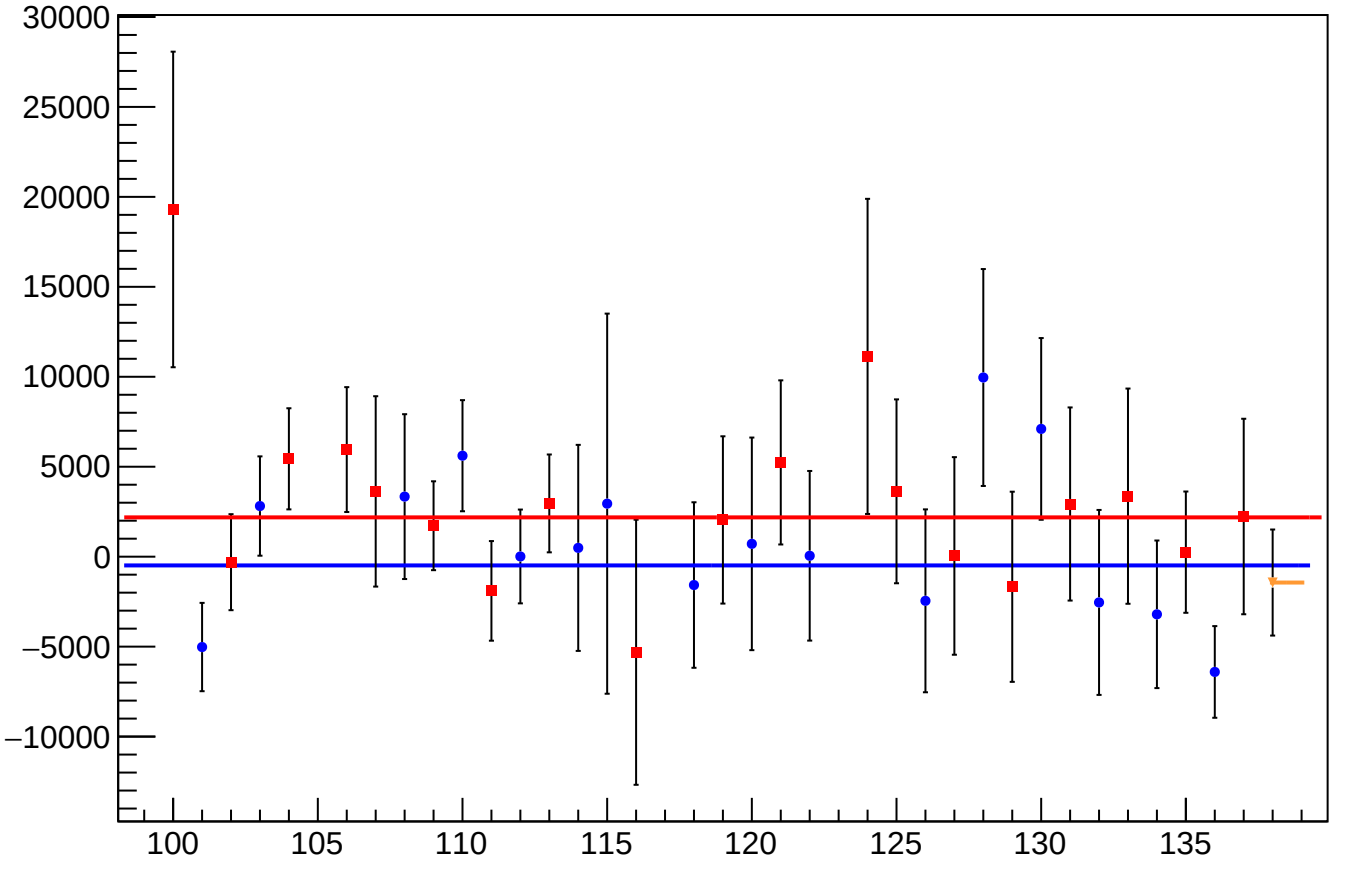
Left: 274.891+/-0.221 χ^2/NDF: 0.0/0

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 239.449+/-0.064 χ^2/NDF:400958.1/15

Out: 237.678+/-0.060 χ^2/NDF:515842.1/19

All: 238.503+/-0.044 χ^2/NDF: 917208.0/35



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1437.745+/-2947.678 χ^2/NDF:0.0/0

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

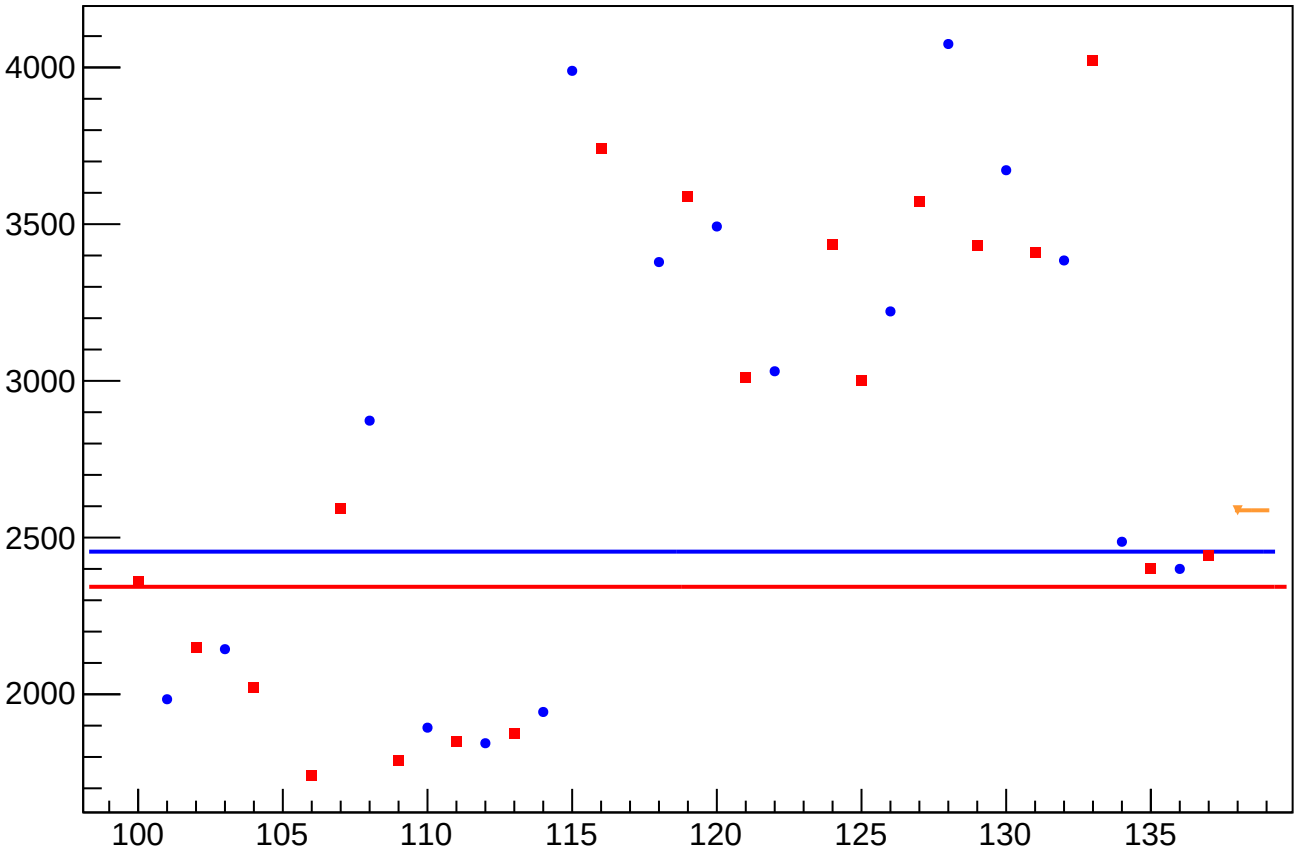
Left: -1437.745+/-2947.678 χ^2/NDF: 0.0/0

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: -486.103+/-947.467 χ^2/NDF:21.1/15

Out: 1878.517+/-857.150 χ^2/NDF:14.6/19

All: 814.255+/-635.635 χ^2/NDF: 39.2/35



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2587.021+/-2.084 χ^2/NDF:0.0/0

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

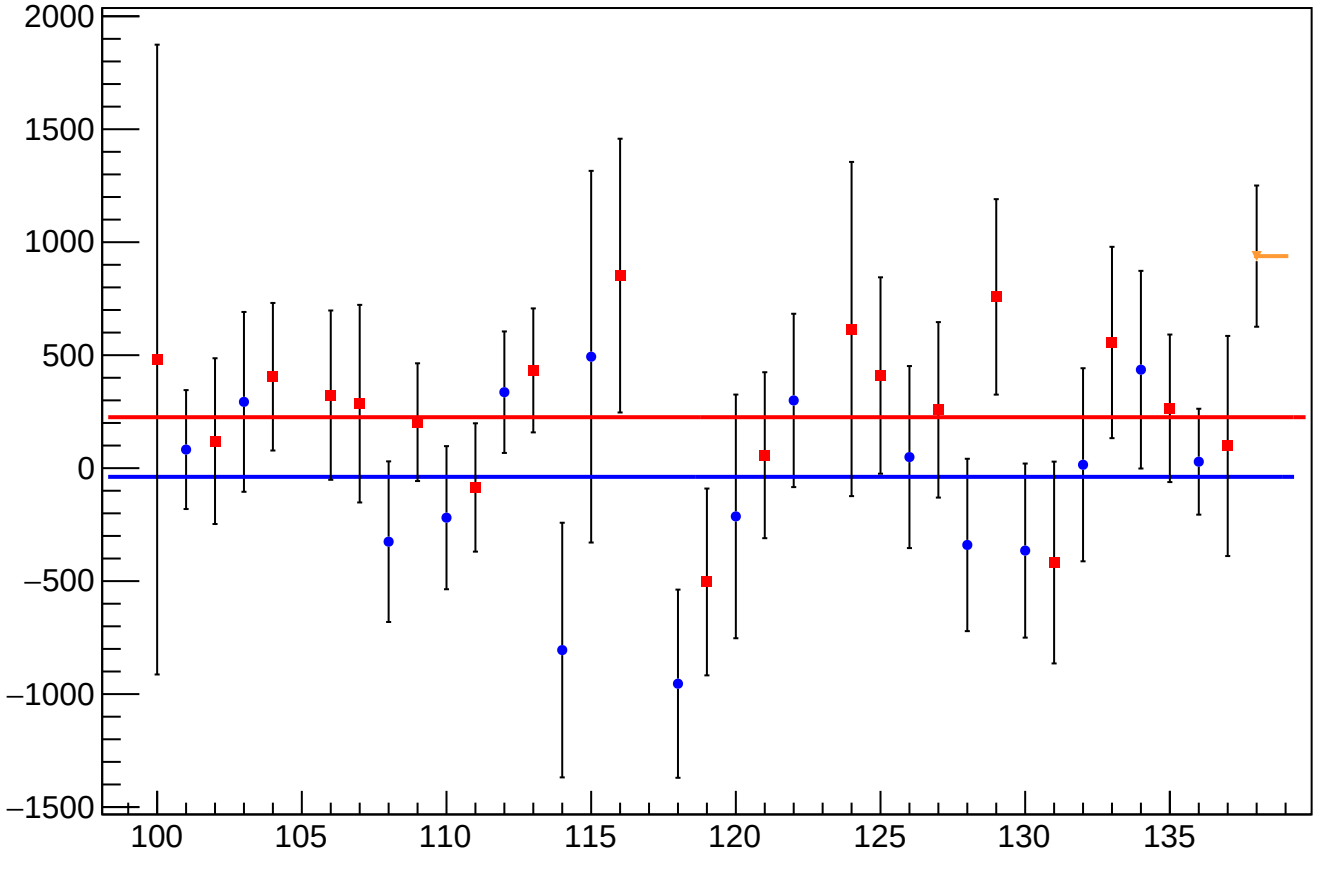
Left: 2587.021+/-2.084 χ^2/NDF: 0.0/0

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2455.127+/-0.670 χ^2/NDF:894358.3/15

Out: 2363.593+/-0.606 χ^2/NDF:1082939.8/19

All: 2404.791+/-0.449 χ^2/NDF: 1987563.4/35



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 938.374+/-312.508 χ^2/NDF:0.0/0

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

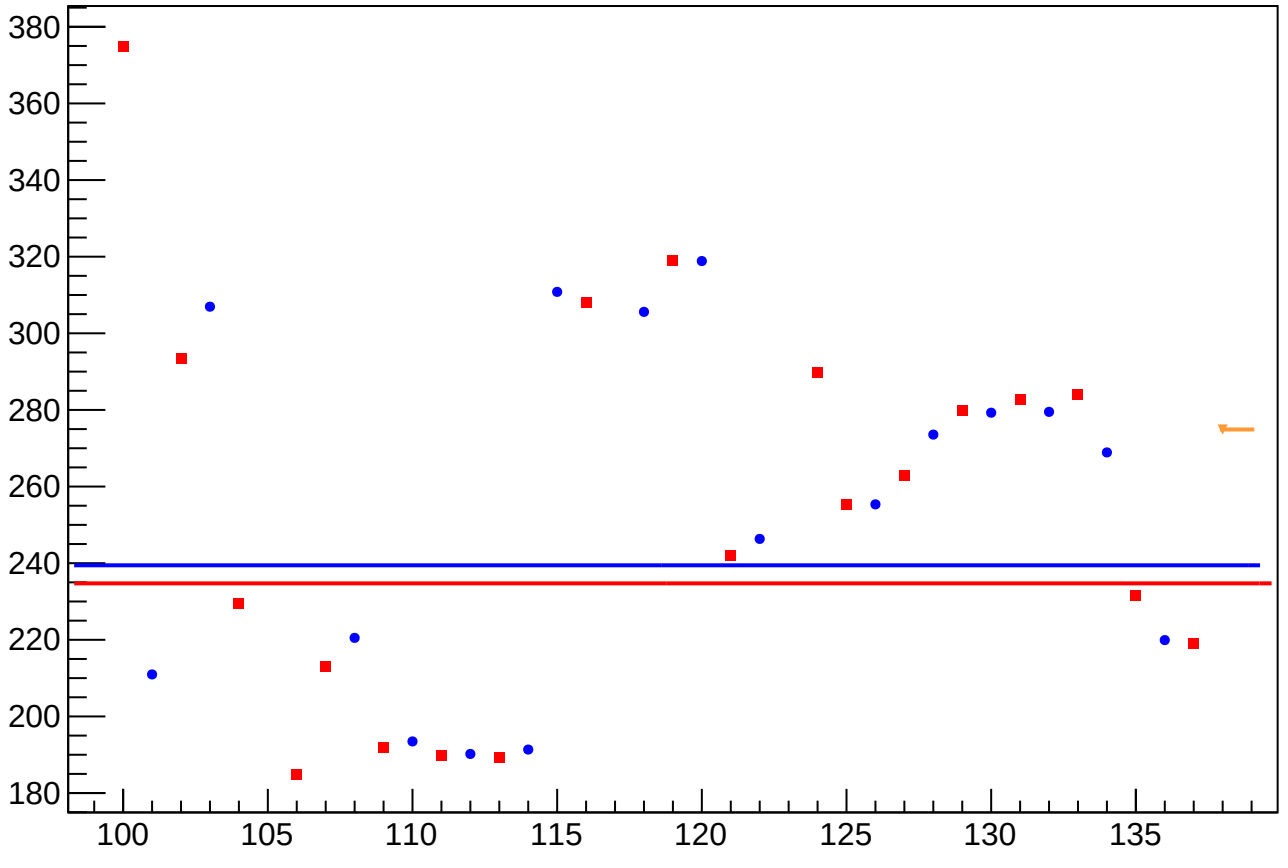
Left: 938.374+/-312.508 χ^2/NDF: 0.0/0

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: -38.519+/-90.619 χ^2/NDF:14.5/15

Out: 277.801+/-84.636 χ^2/NDF:16.2/19

All: 130.427+/-61.854 χ^2/NDF: 37.2/35



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 274.891+/-0.221 χ^2/NDF:0.0/0

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

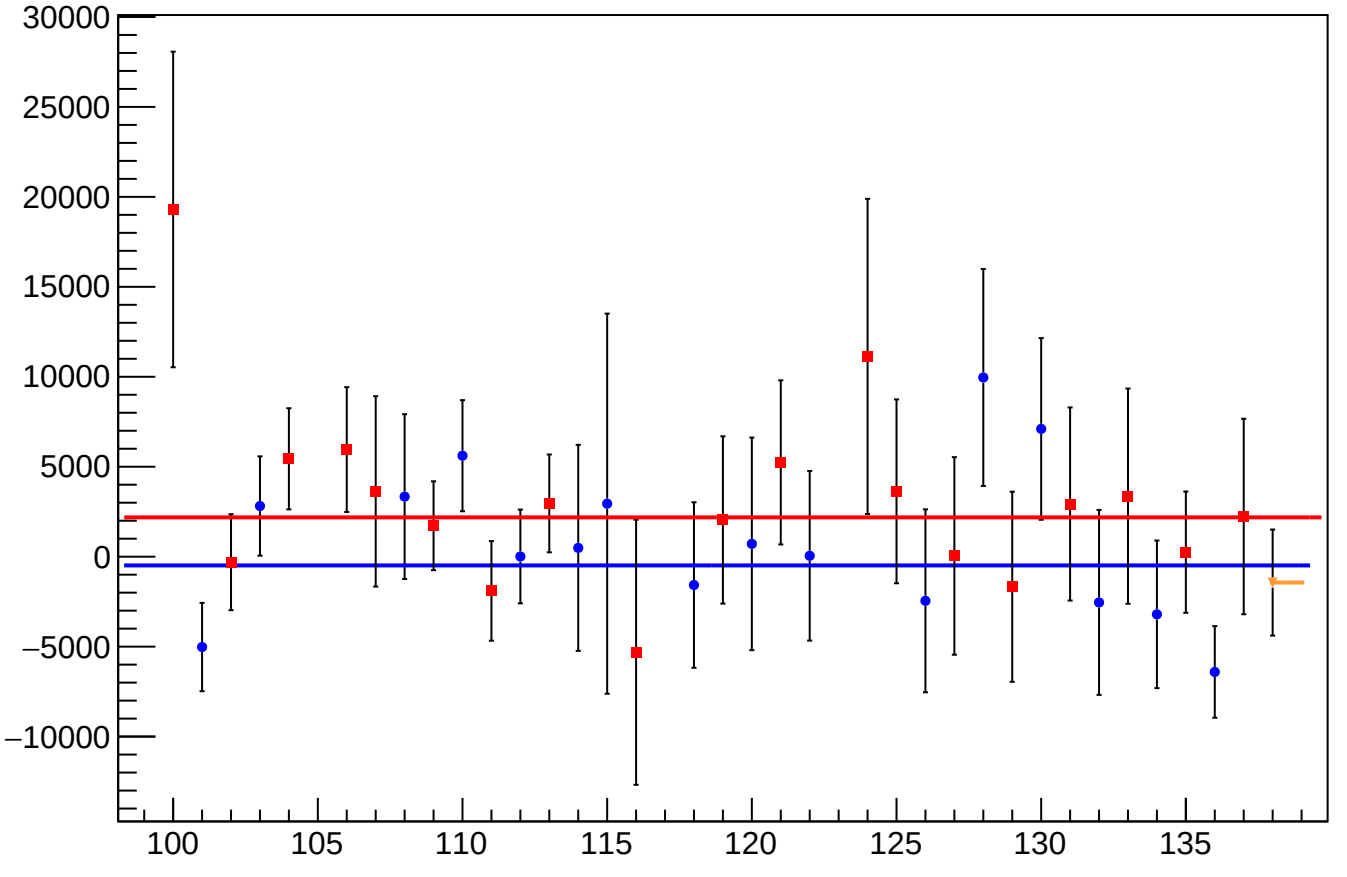
Left: 274.891+/-0.221 χ^2/NDF: 0.0/0

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 239.449+/-0.064 χ^2/NDF:400958.1/15

Out: 237.678+/-0.060 χ^2/NDF:515842.1/19

All: 238.503+/-0.044 χ^2/NDF: 917208.0/35



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1437.745+/-2947.678 χ^2/NDF:0.0/0

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

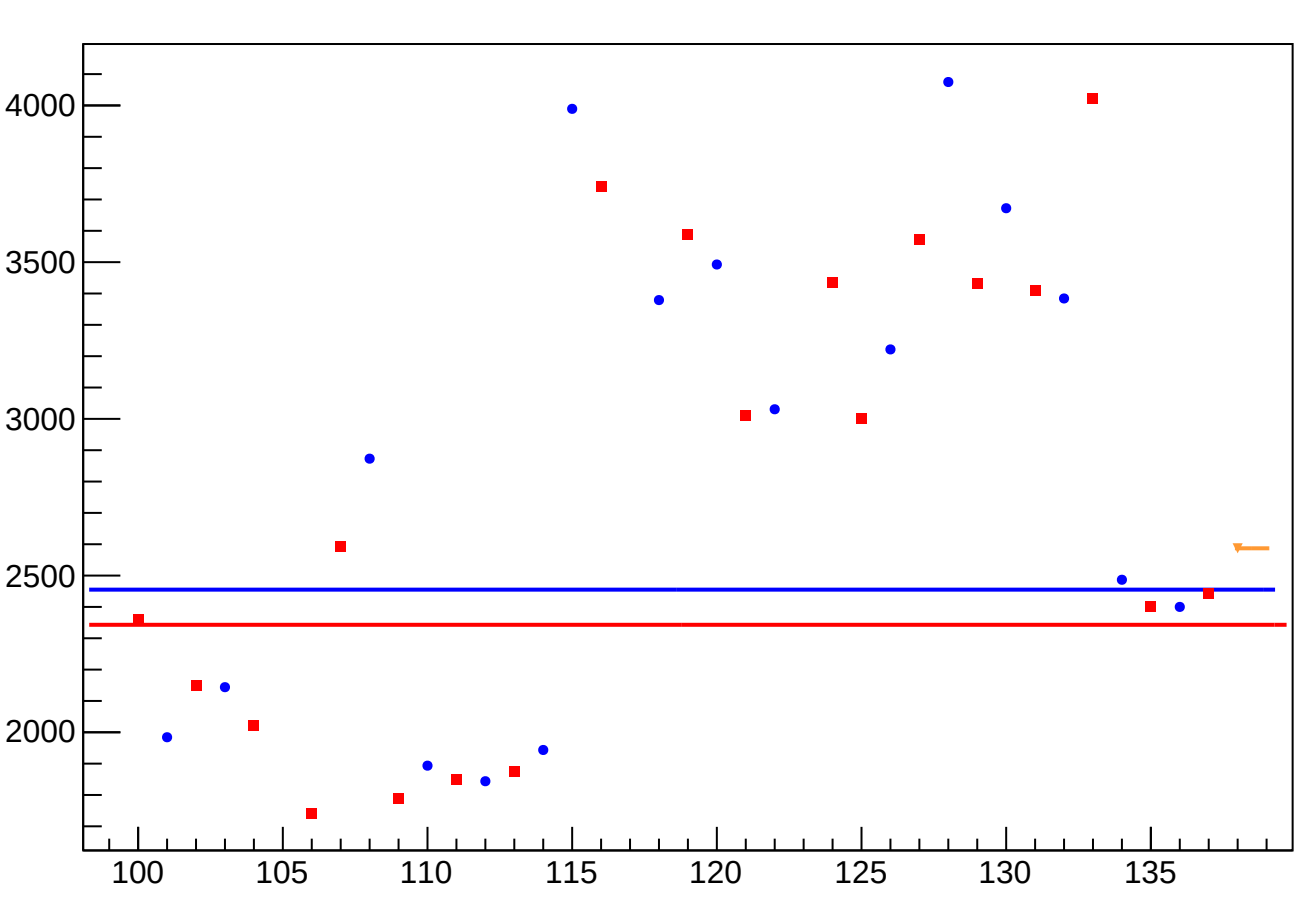
Left: -1437.745+/-2947.678 χ^2/NDF: 0.0/0

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: -486.103+/-947.467 χ^2/NDF:21.1/15

Out: 1878.517+/-857.150 χ^2/NDF:14.6/19

All: 814.255+/-635.635 χ^2/NDF: 39.2/35



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2587.021+/-2.084 χ^2/NDF:0.0/0

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2587.021+/-2.084 χ^2/NDF: 0.0/0

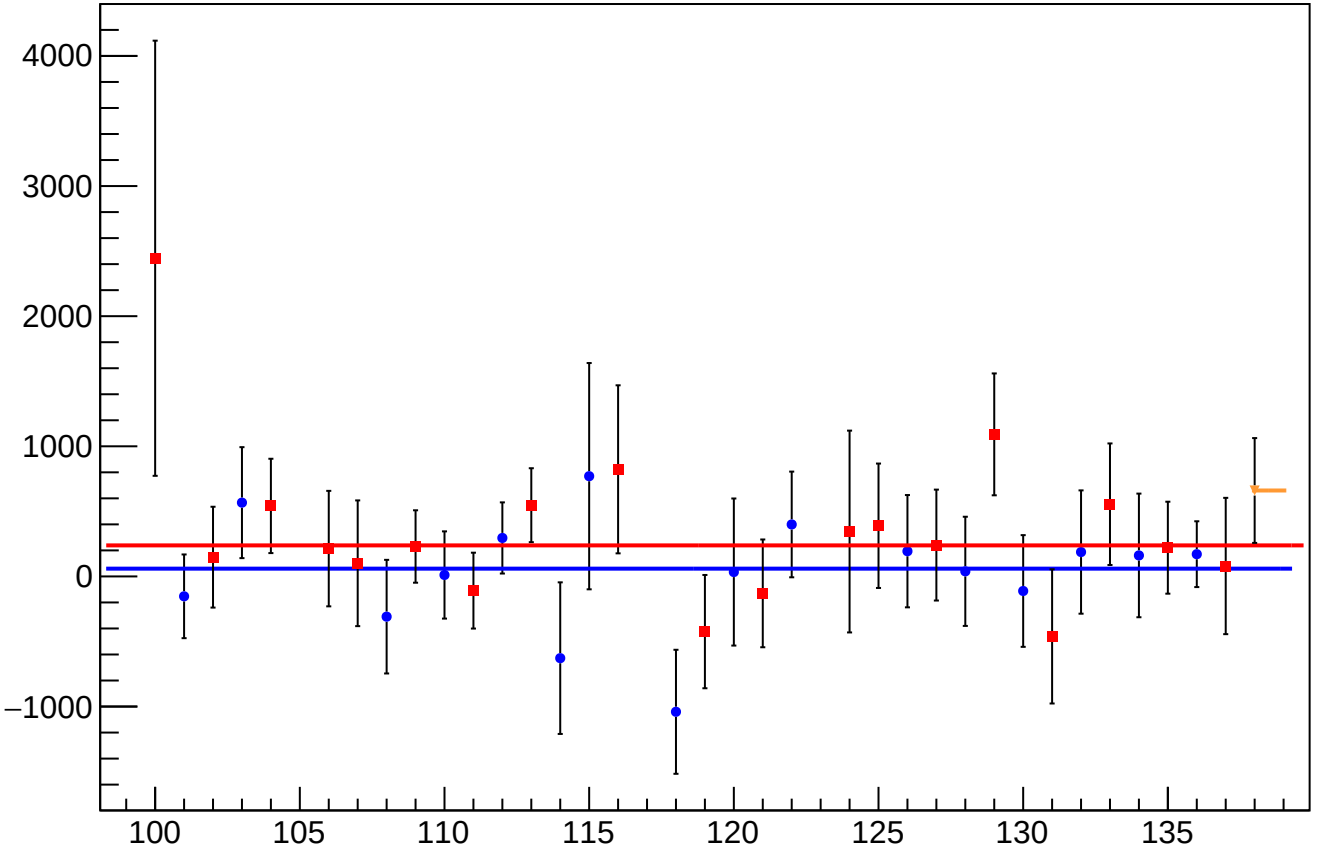
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2455.127+/-0.670 χ^2/NDF:894358.3/15

Out: 2363.593+/-0.606 χ^2/NDF:1082939.8/19

All: 2404.791+/-0.449 χ^2/NDF: 1987563.4/35

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 660.395+/-402.735 χ^2/NDF:0.0/0

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 660.395+/-402.735 χ^2/NDF: 0.0/0

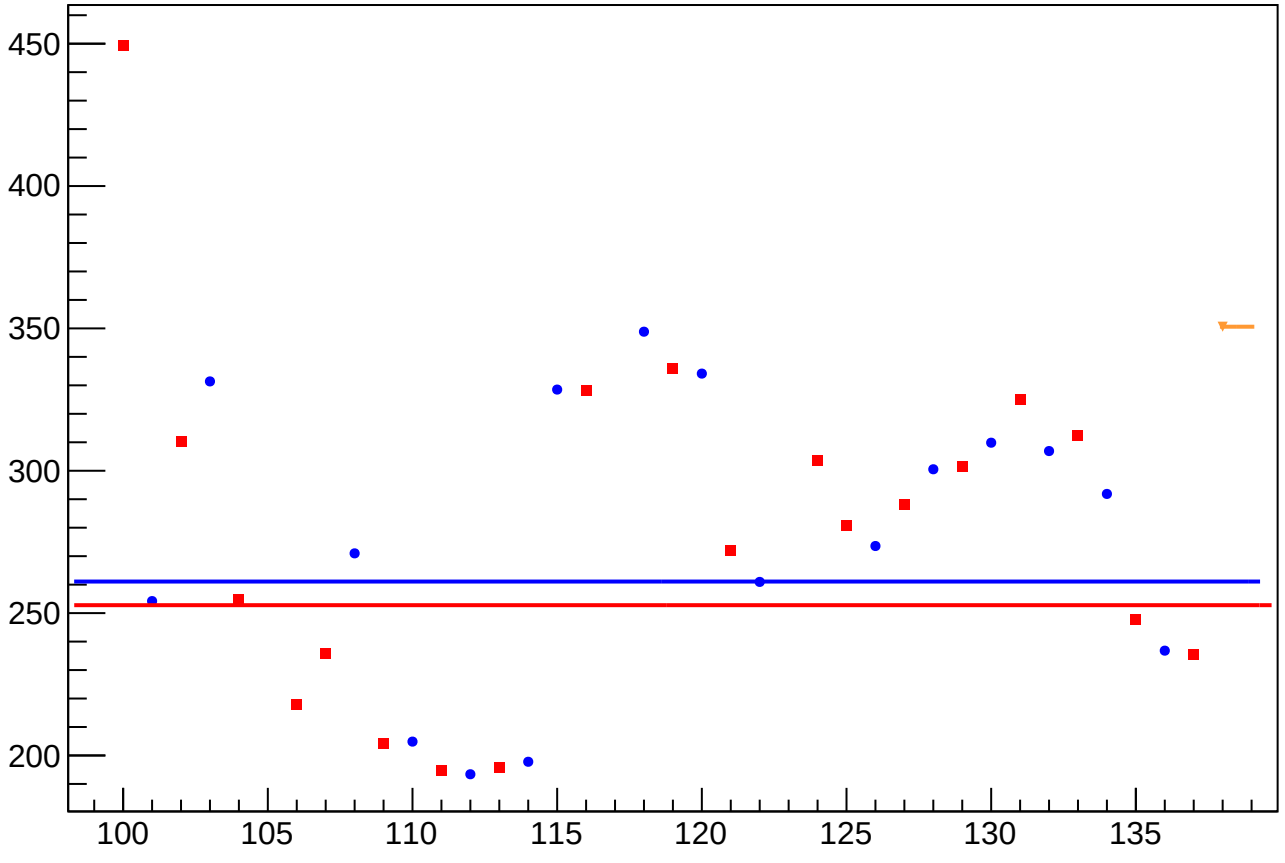
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 59.728+/-99.230 χ^2/NDF:12.0/15

Out: 260.781+/-92.520 χ^2/NDF:16.0/19

All: 167.281+/-67.669 χ^2/NDF: 30.2/35

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 350.594+/-0.285 χ^2/NDF:0.0/0

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

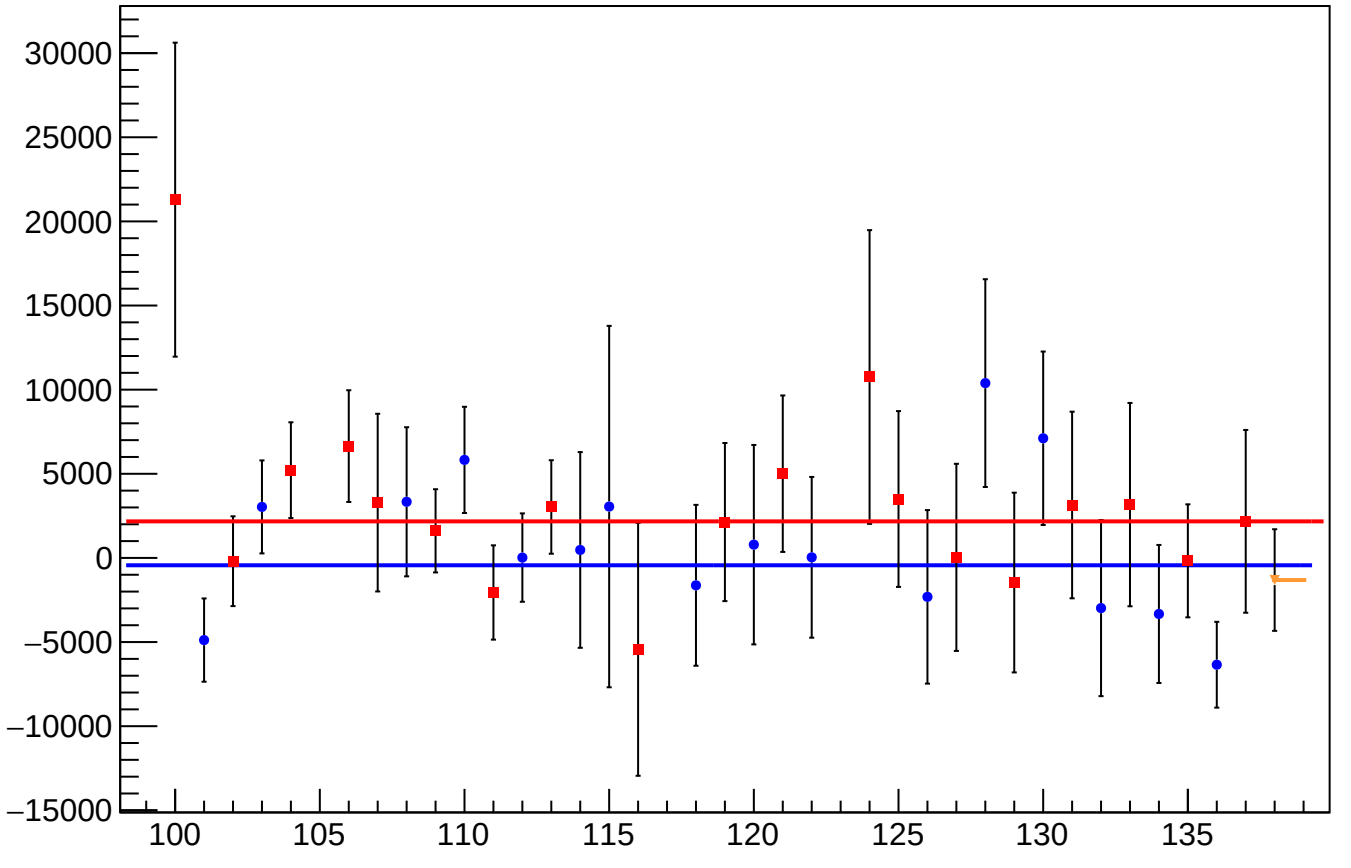
Left: 350.594+/-0.285 χ^2/NDF: 0.0/0

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 261.089+/-0.070 χ^2/NDF:462662.2/15

Out: 257.949+/-0.065 χ^2/NDF:649024.5/19

All: 259.409+/-0.048 χ^2/NDF: 1112758.0/35



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -1314.361+/-3019.525 χ^2/NDF:0.0/0

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

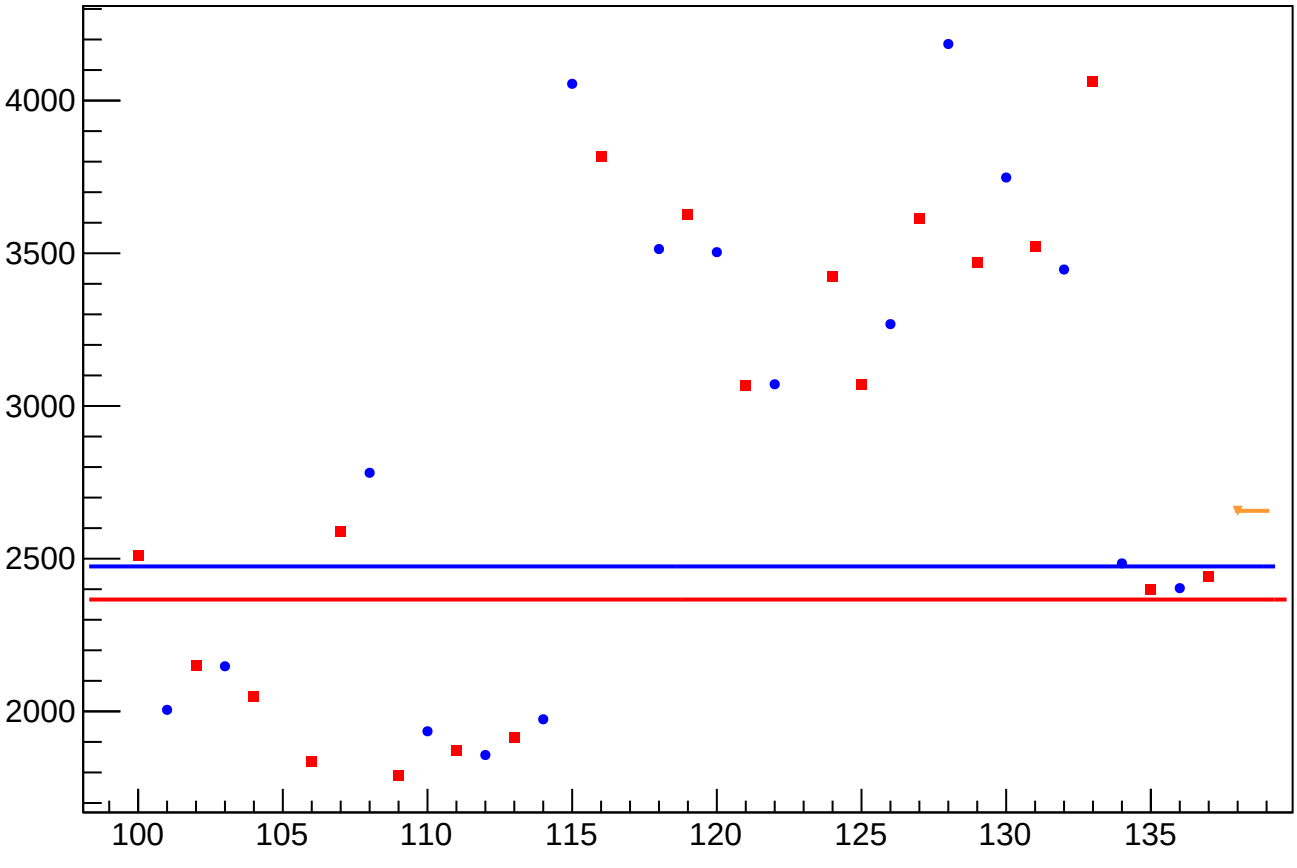
Left: -1314.361+/-3019.525 χ^2/NDF: 0.0/0

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: -436.732+/-955.134 χ^2/NDF:21.2/15

Out: 1886.987+/-863.473 χ^2/NDF:15.2/19

All: 841.950+/-640.528 χ^2/NDF: 39.7/35



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2656.666+/-2.135 χ^2/NDF:0.0/0

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

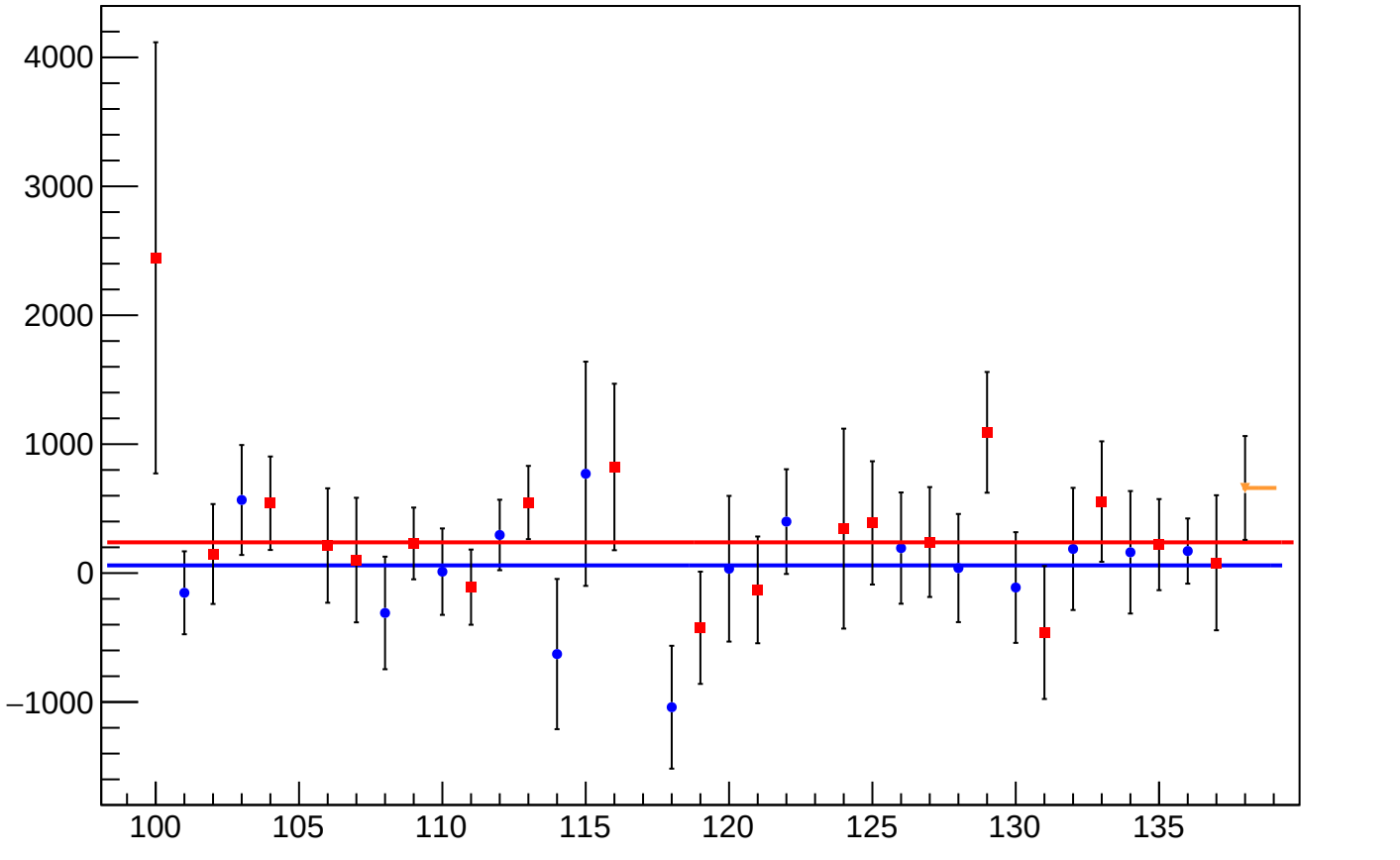
Left: 2656.666+/-2.135 χ^2/NDF: 0.0/0

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2474.622+/-0.675 χ^2/NDF:916250.9/15

Out: 2389.972+/-0.611 χ^2/NDF:1094166.7/19

All: 2428.041+/-0.453 χ^2/NDF: 2019061.9/35



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 660.383+/-402.734 χ^2/NDF:0.0/0

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

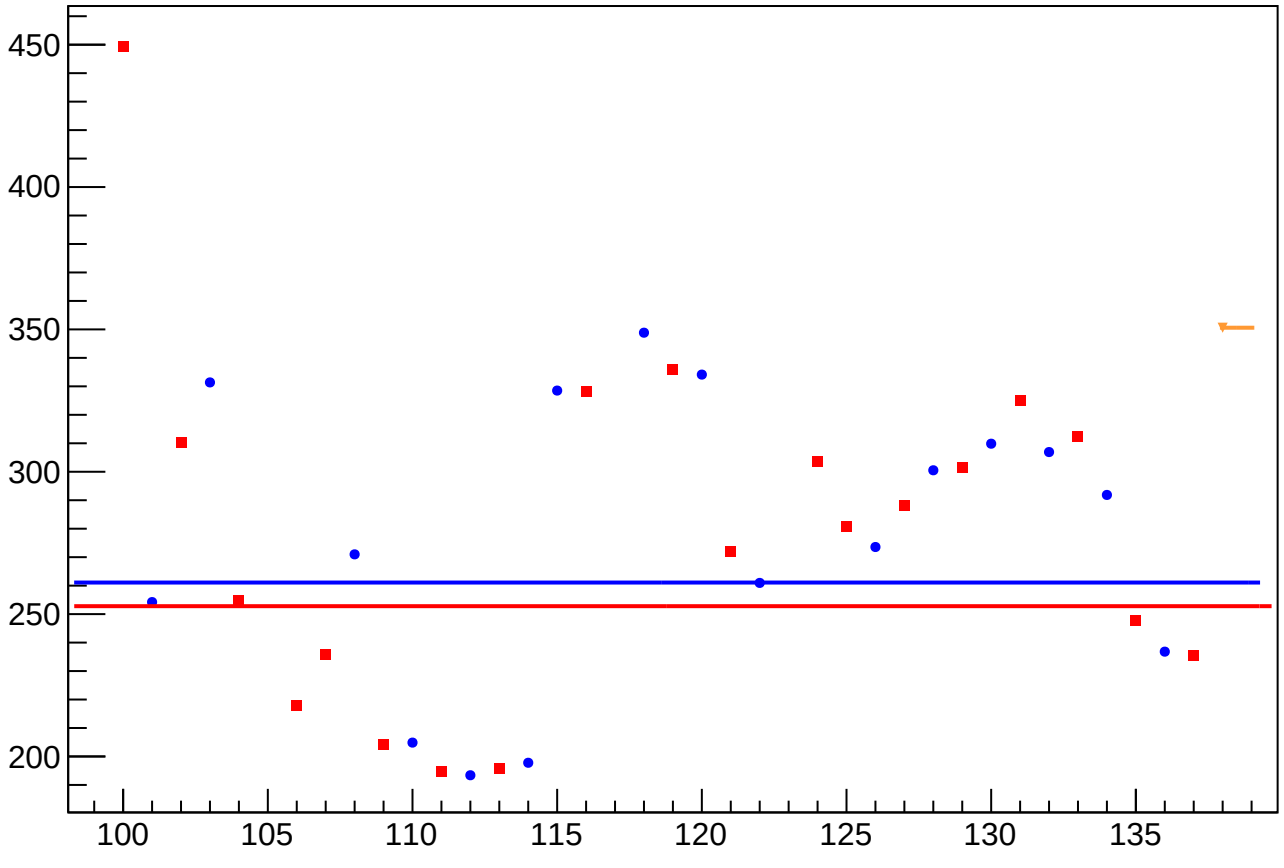
Left: 660.383+/-402.734 χ^2/NDF: 0.0/0

Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 59.734+/-99.230 χ^2/NDF:12.0/15

Out: 260.780+/-92.520 χ^2/NDF:16.0/19

All: 167.283+/-67.669 χ^2/NDF: 30.2/35



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 350.593+/-0.285 χ^2/NDF:0.0/0

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

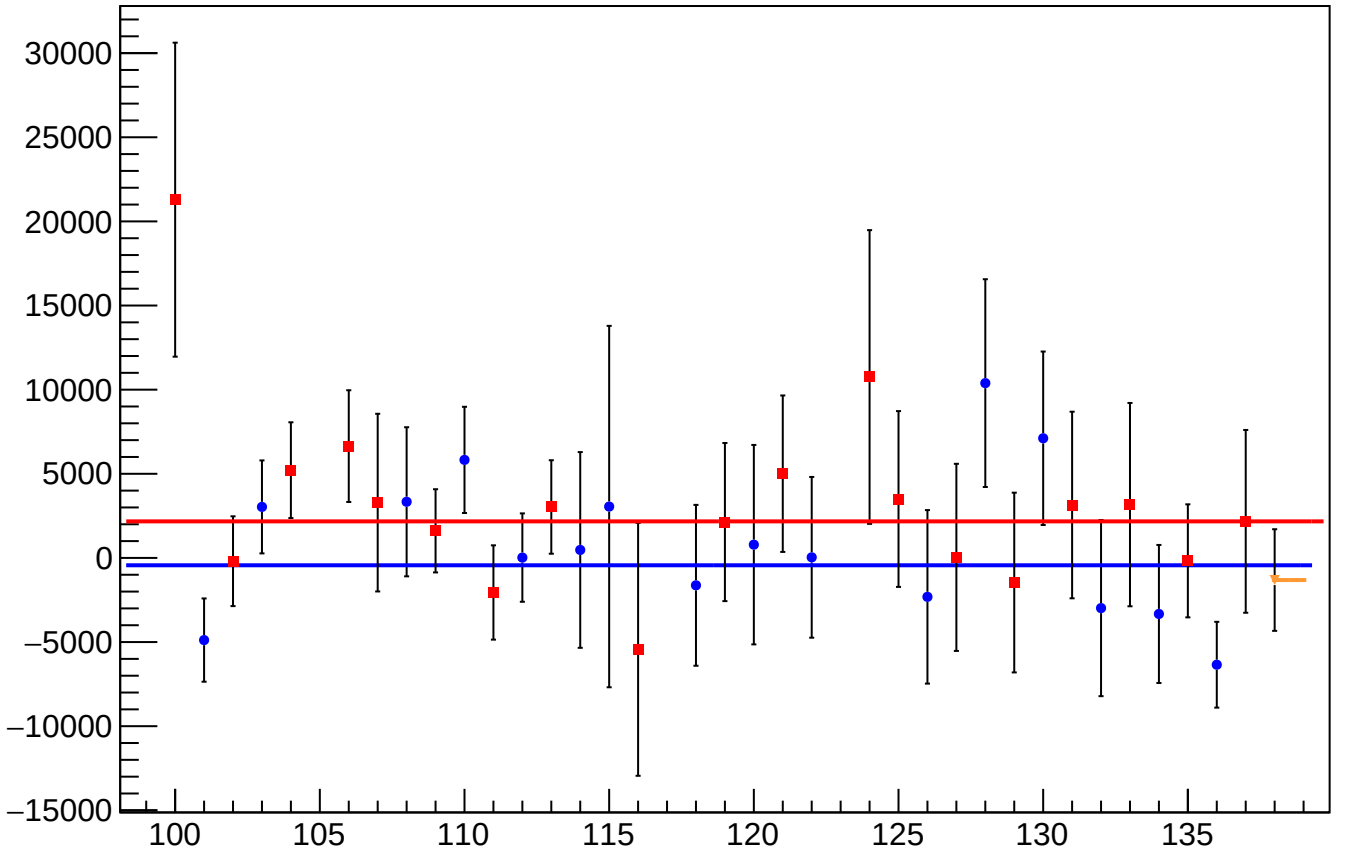
Left: 350.593+/-0.285 χ^2/NDF: 0.0/0

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 261.089+/-0.070 χ^2/NDF:462665.3/15

Out: 257.949+/-0.065 χ^2/NDF:649026.1/19

All: 259.409+/-0.048 χ^2/NDF: 1112762.8/35



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -1314.376+/-3019.518 χ^2/NDF:0.0/0

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

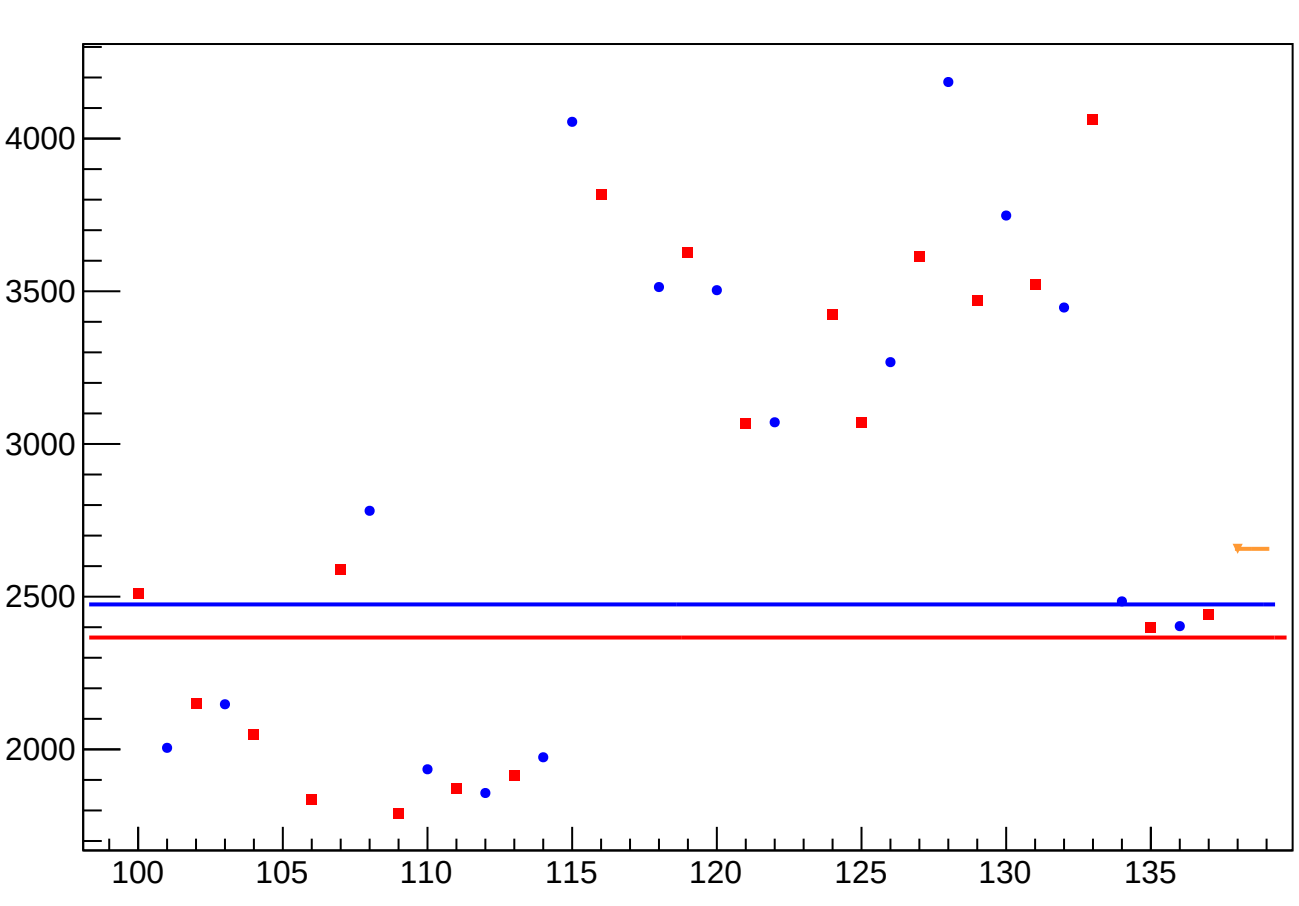
Left: -1314.376+/-3019.518 χ^2/NDF: 0.0/0

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: -436.731+/-955.133 χ^2/NDF:21.2/15

Out: 1886.983+/-863.472 χ^2/NDF:15.2/19

All: 841.949+/-640.528 χ^2/NDF: 39.7/35



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2656.659+/-2.135 χ^2/NDF:0.0/0

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2656.659+/-2.135 χ^2/NDF: 0.0/0

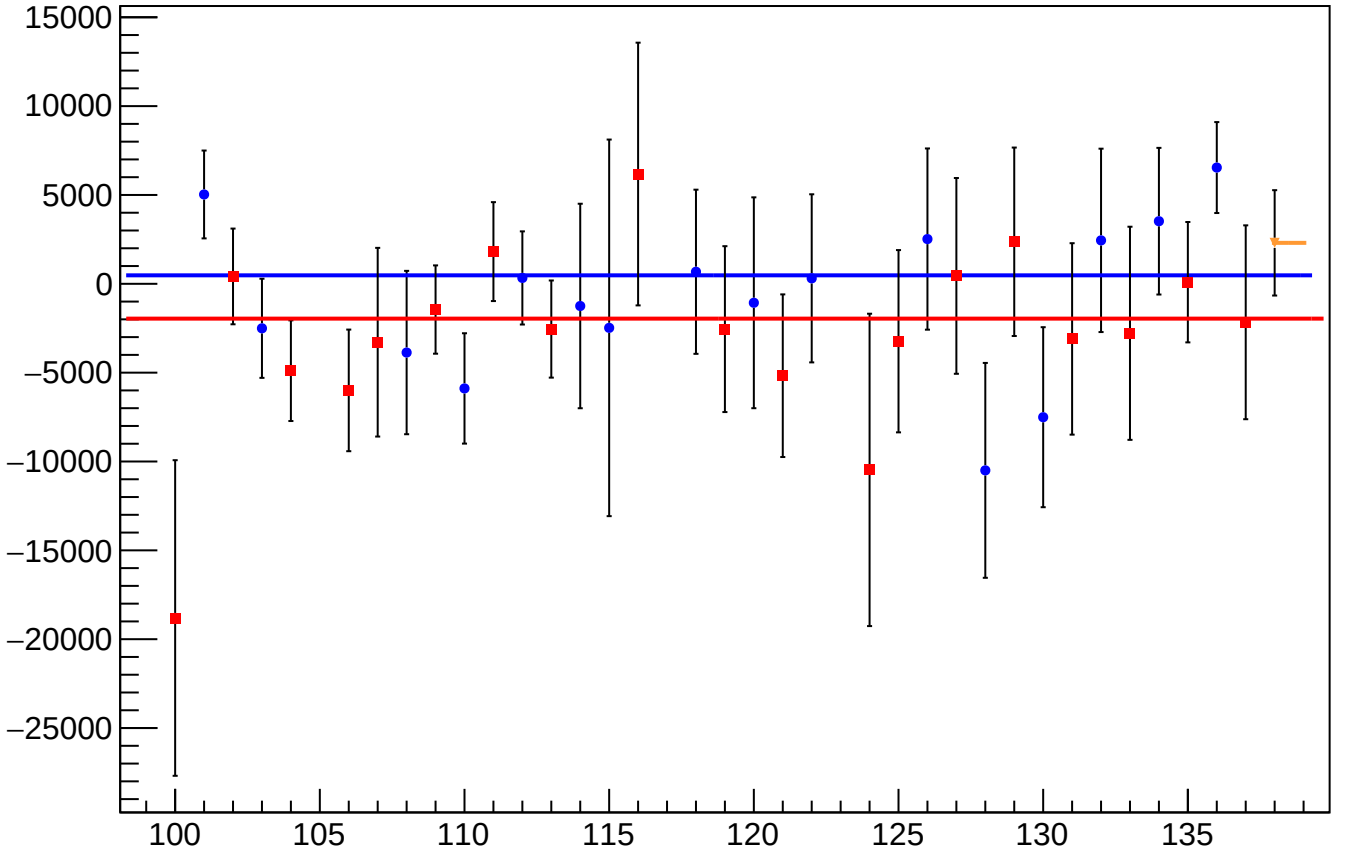
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2474.620+/-0.675 χ^2/NDF:916254.1/15

Out: 2389.970+/-0.611 χ^2/NDF:1094168.6/19

All: 2428.040+/-0.453 χ^2/NDF: 2019067.1/35

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2304.832+/-2964.666 χ^2/NDF:0.0/0

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

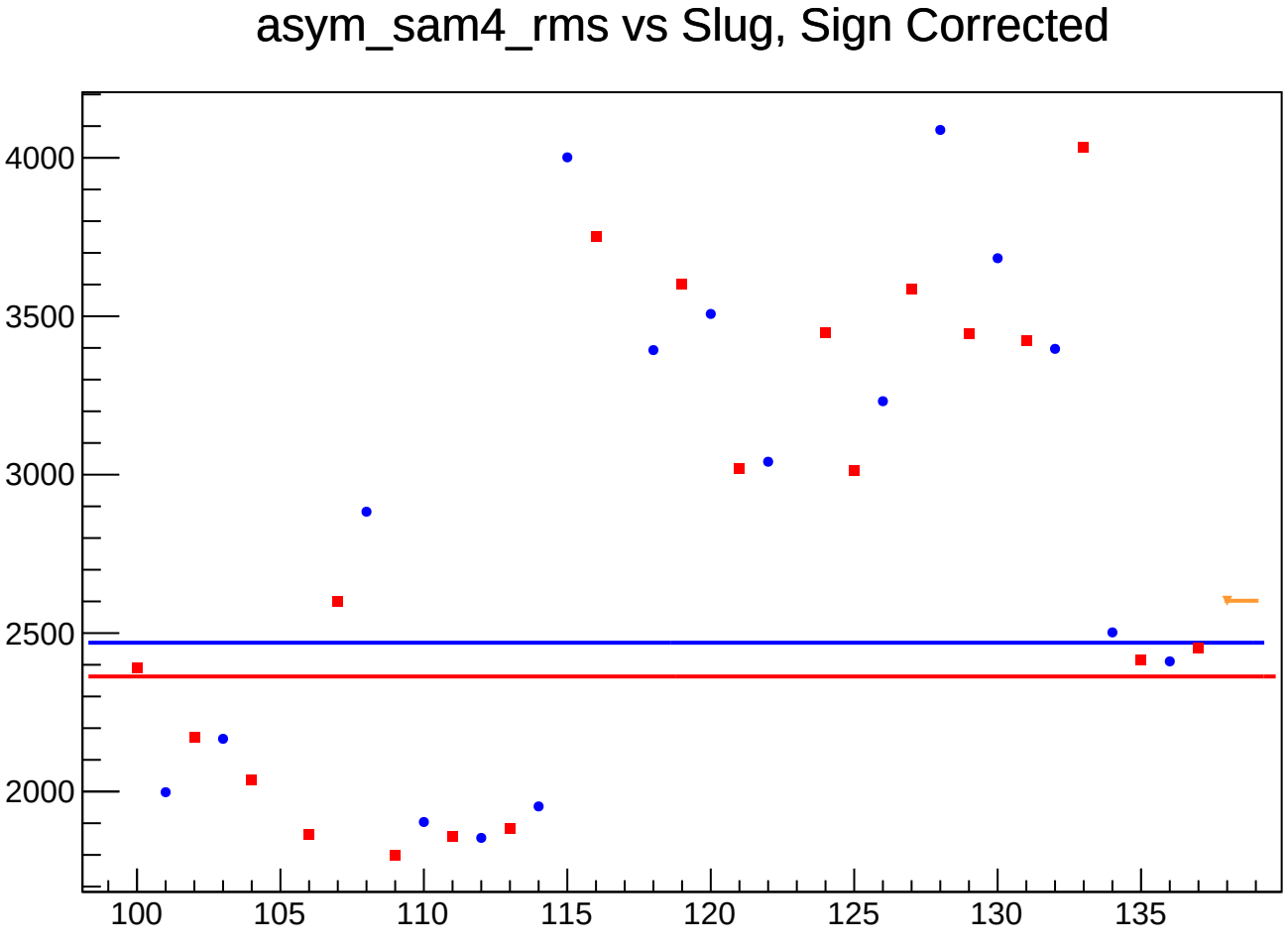
Left: 2304.832+/-2964.666 χ^2/NDF: 0.0/0

Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: 477.284+/-952.752 χ^2/NDF:22.1/15

Out: -1599.878+/-860.930 χ^2/NDF:14.7/19

All: -666.189+/-638.772 χ^2/NDF: 39.5/35



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2602.104+/-2.096 χ^2/NDF:0.0/0

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

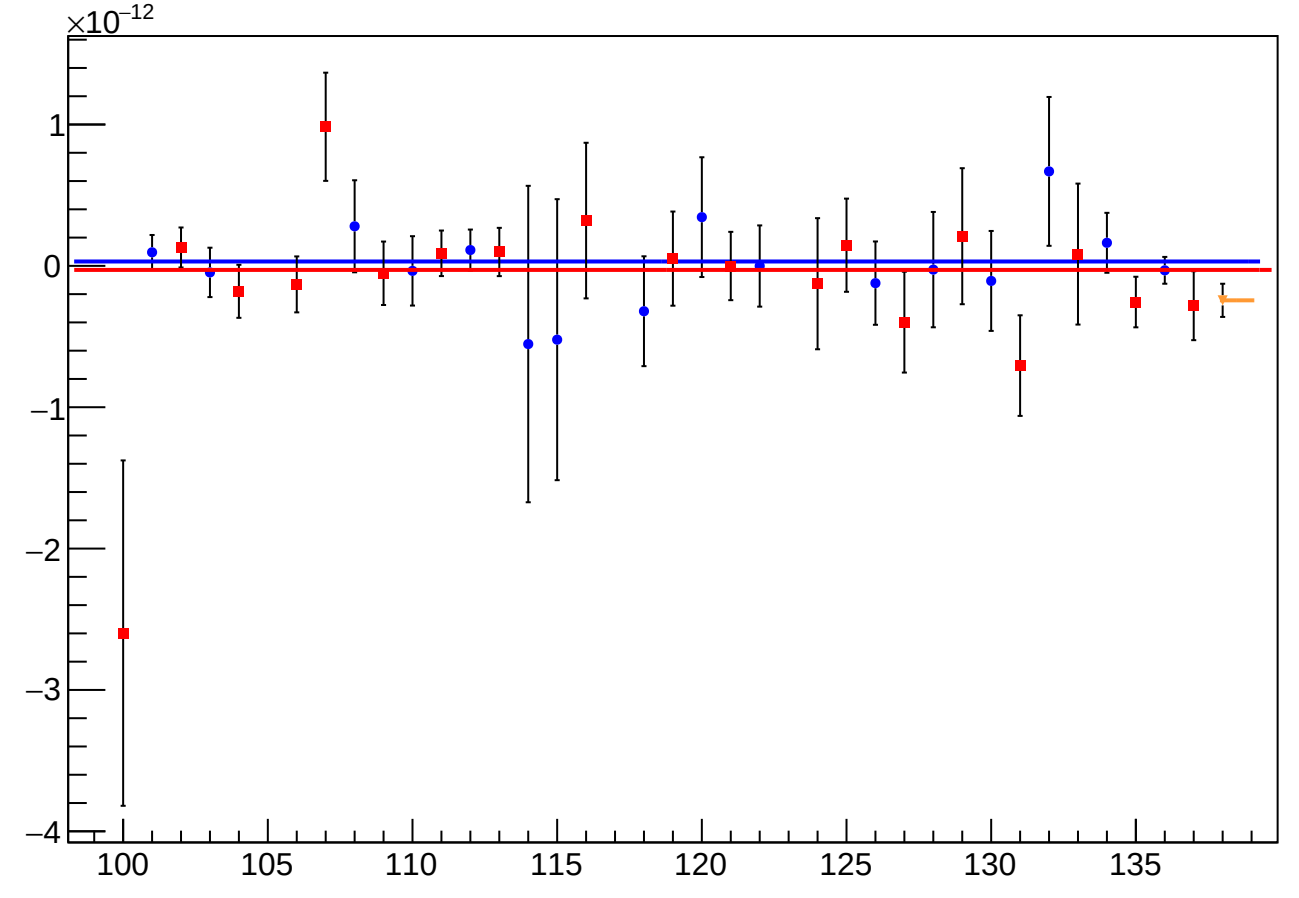
Left: 2602.104+/-2.096 χ^2/NDF: 0.0/0

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2469.639+/-0.674 χ^2/NDF:886179.0/15

Out: 2383.212+/-0.609 χ^2/NDF:1055251.2/19

All: 2422.061+/-0.452 χ^2/NDF: 1950490.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

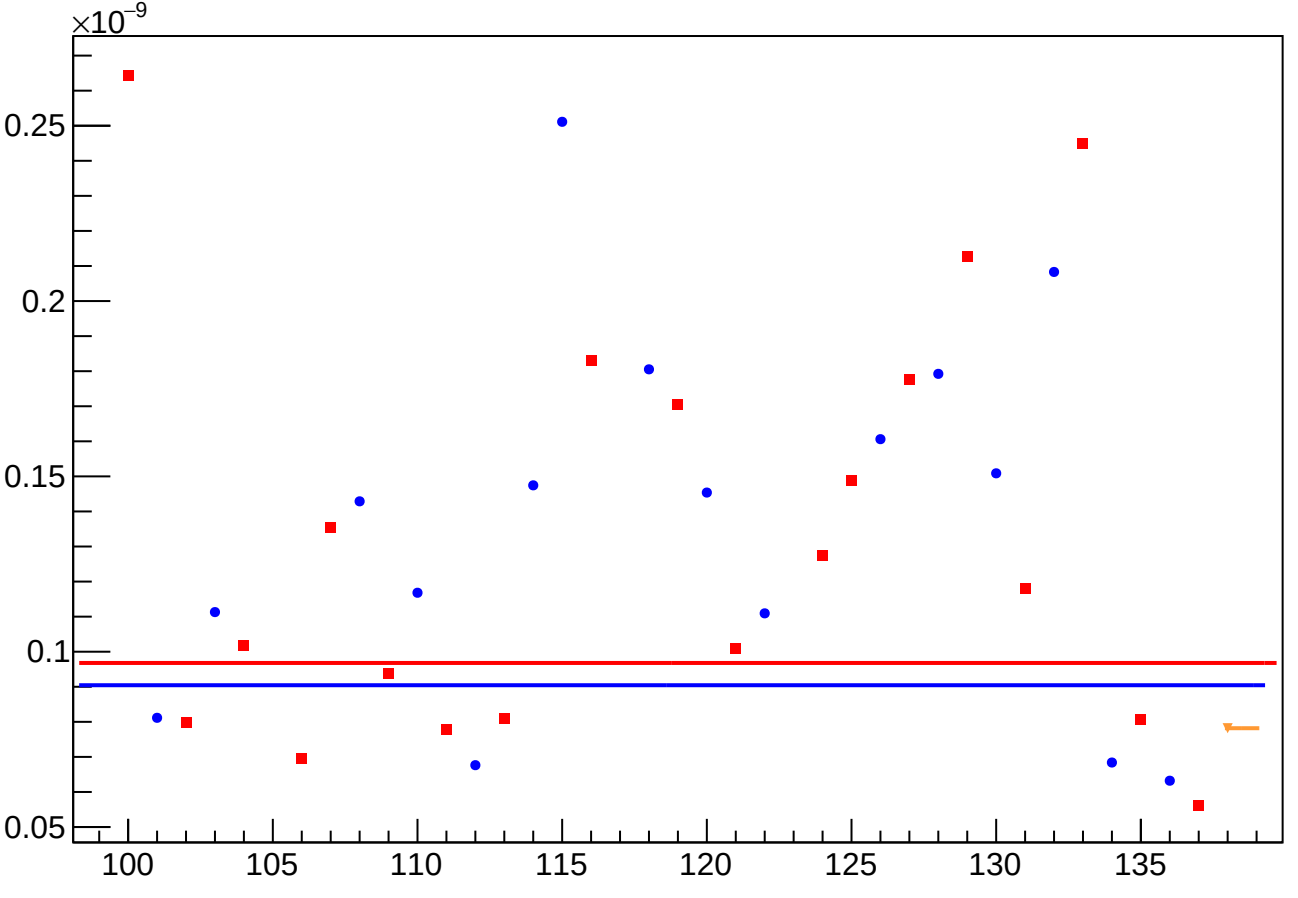
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:6.1/15

Out: -0.000+/-0.000 χ^2/NDF:25.9/19

All: -0.000+/-0.000 χ^2/NDF: 33.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

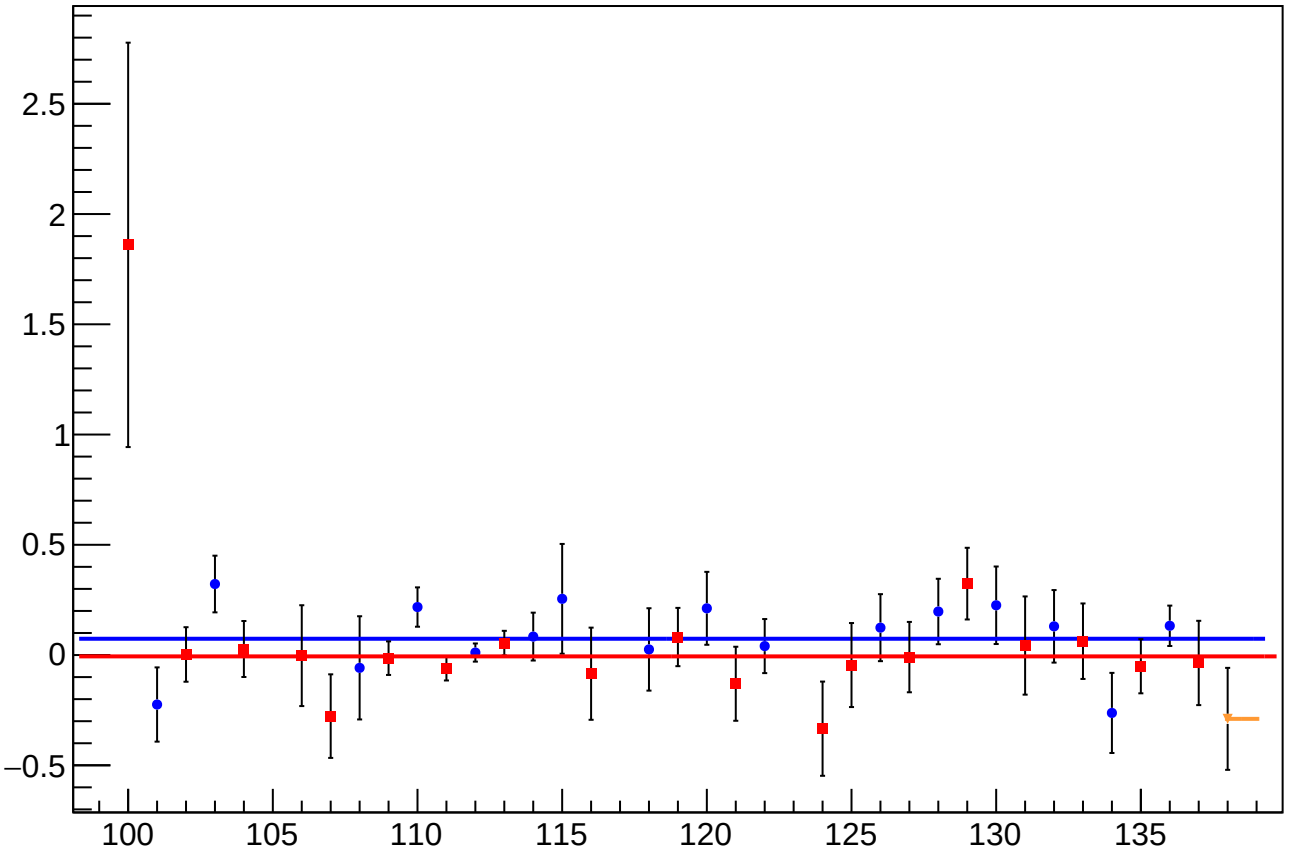
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:926723.8/15

Out: 0.000+/-0.000 χ^2/NDF:892502.9/19

All: 0.000+/-0.000 χ^2/NDF: 1822400.1/35



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.289+/-0.231 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

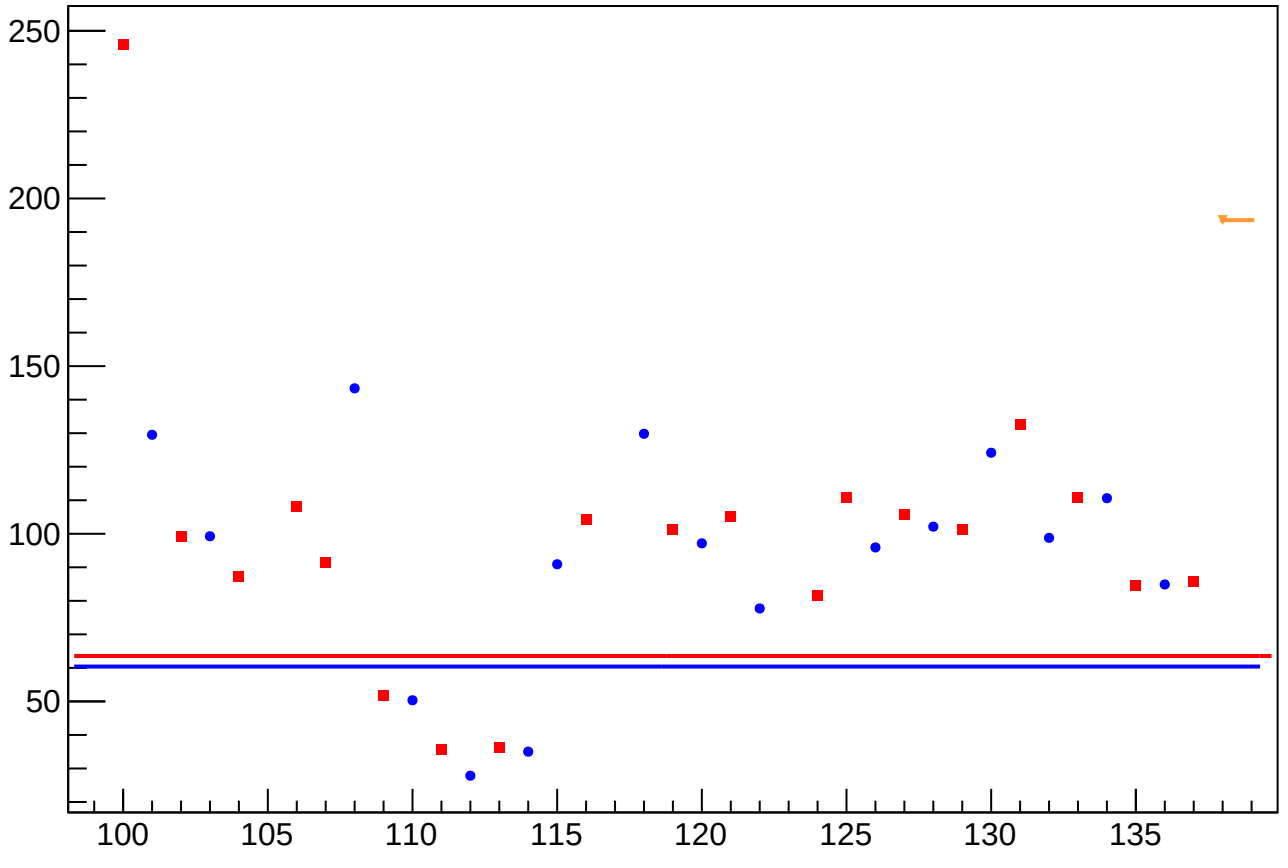
Left: -0.289+/-0.231 χ^2/NDF: 0.0/0

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.074+/-0.027 χ^2/NDF:19.0/15

Out: -0.010+/-0.027 χ^2/NDF:17.9/19

All: 0.031+/-0.019 χ^2/NDF: 41.7/35



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 193.543+/-0.164 χ^2/NDF:0.0/0

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

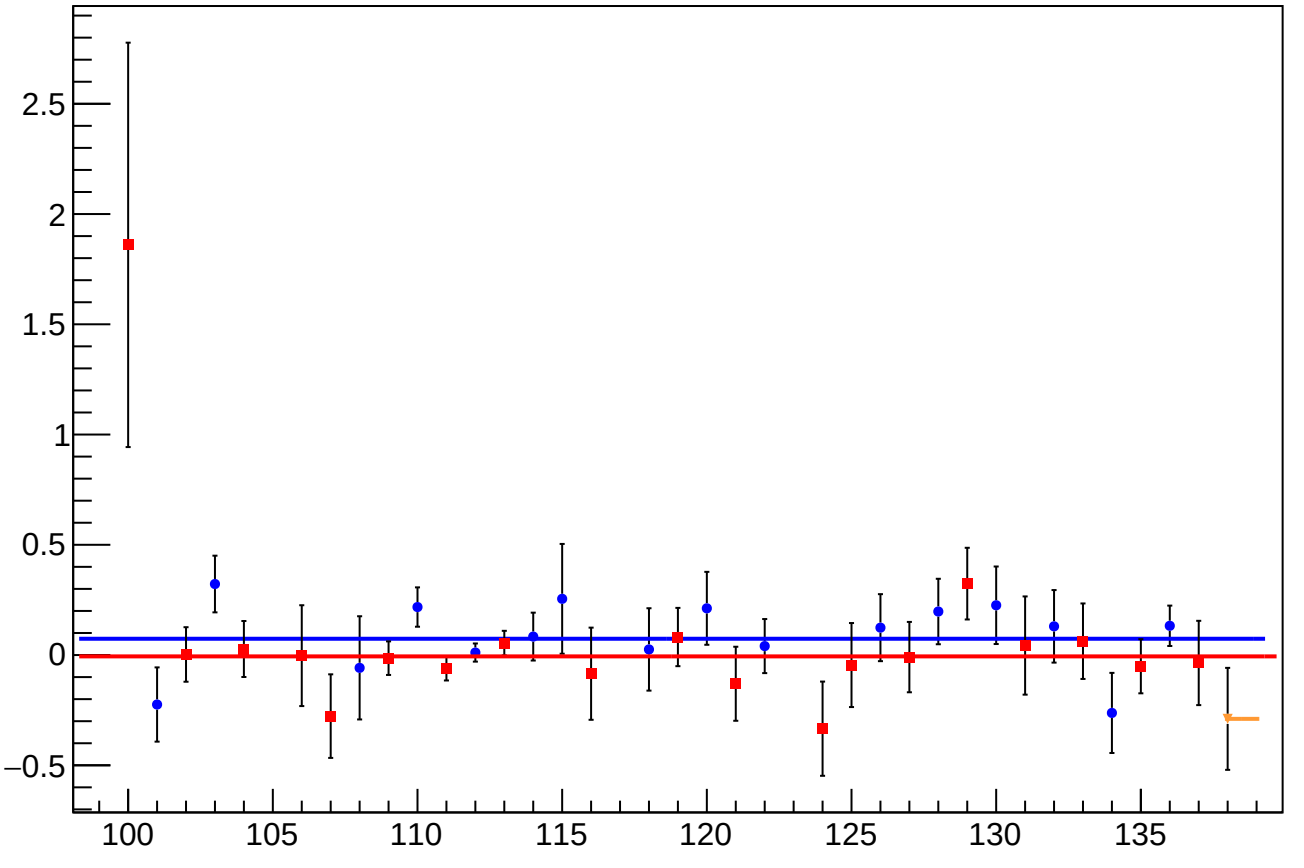
Left: 193.543+/-0.164 χ^2/NDF: 0.0/0

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 60.401+/-0.019 χ^2/NDF:3538126.0/15

Out: 65.279+/-0.019 χ^2/NDF:3278154.0/19

All: 62.873+/-0.013 χ^2/NDF: 6849333.7/35



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.289+/-0.231 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

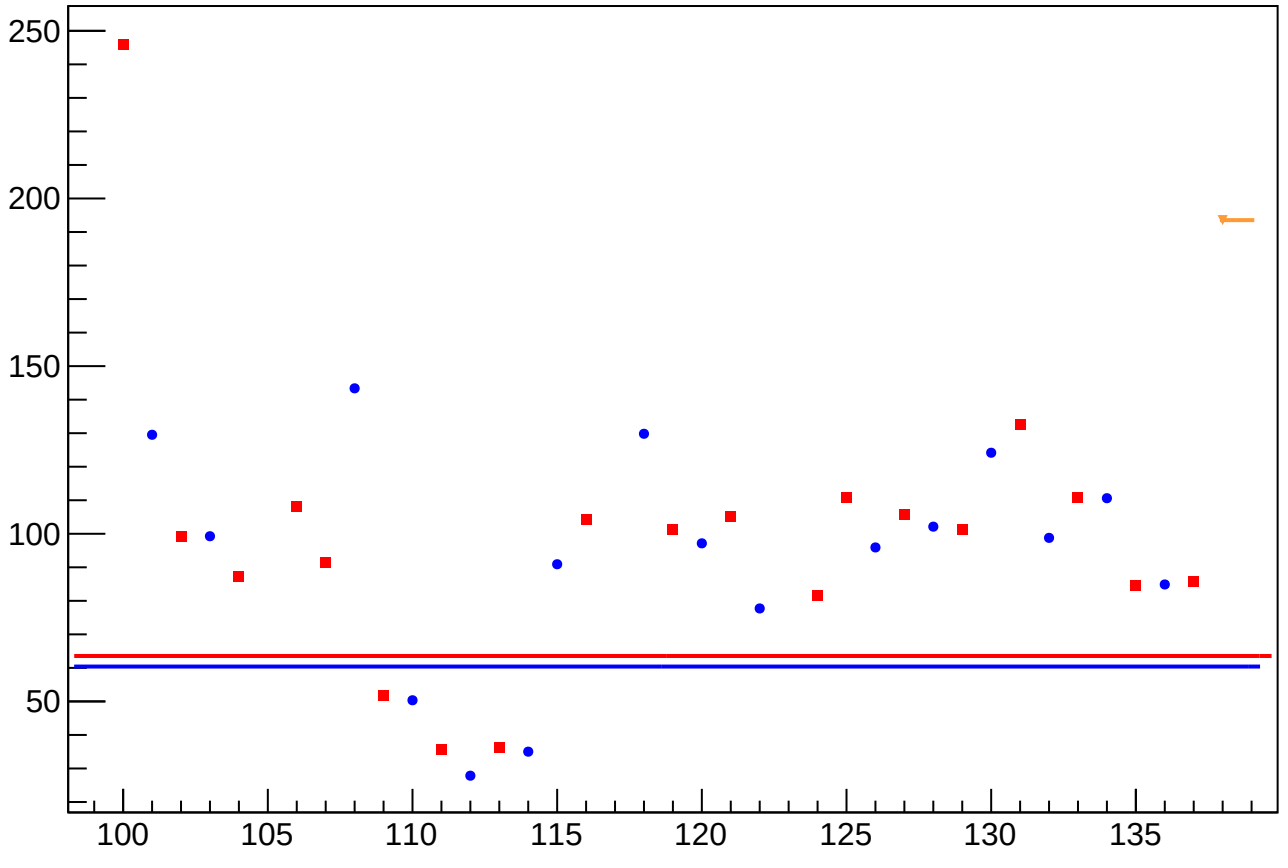
Left: -0.289+/-0.231 χ^2/NDF: 0.0/0

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.074+/-0.027 χ^2/NDF:19.0/15

Out: -0.010+/-0.027 χ^2/NDF:17.9/19

All: 0.031+/-0.019 χ^2/NDF: 41.7/35



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 193.543+/-0.164 χ^2/NDF:0.0/0

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

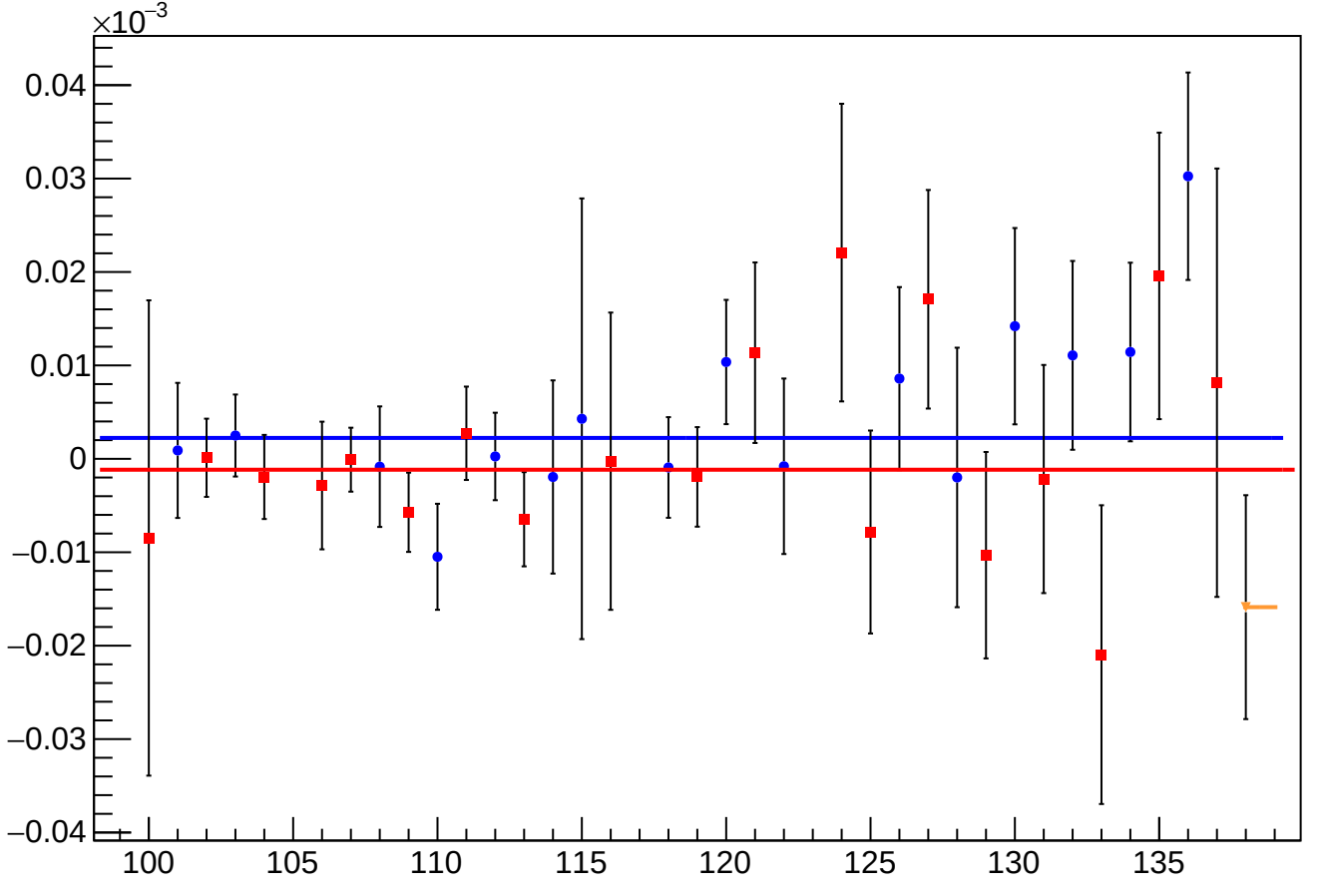
Left: 193.543+/-0.164 χ^2/NDF: 0.0/0

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 60.401+/-0.019 χ^2/NDF:3538126.0/15

Out: 65.279+/-0.019 χ^2/NDF:3278154.0/19

All: 62.873+/-0.013 χ^2/NDF: 6849333.7/35



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

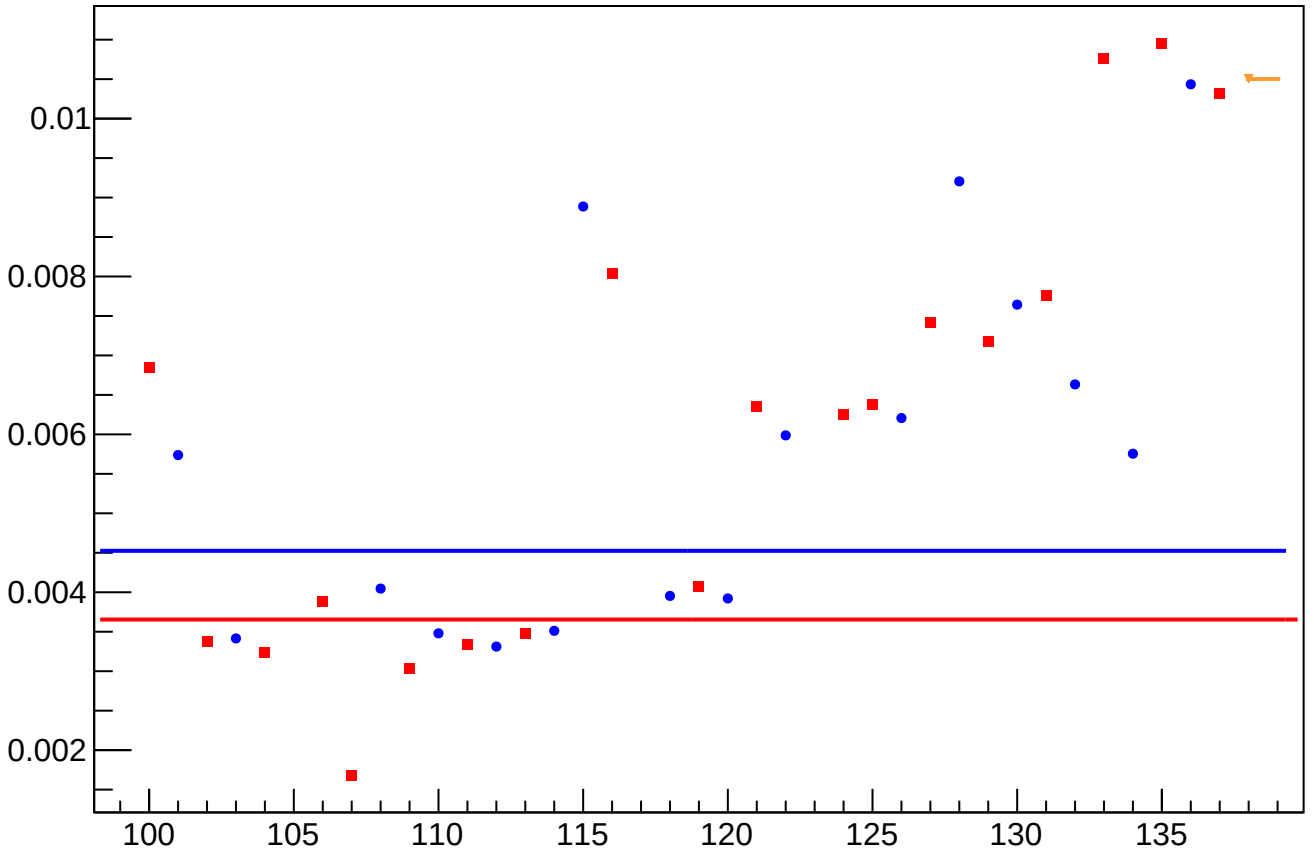
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:17.4/15

Out: -0.000+/-0.000 χ^2/NDF:15.6/19

All: 0.000+/-0.000 χ^2/NDF: 35.4/35



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

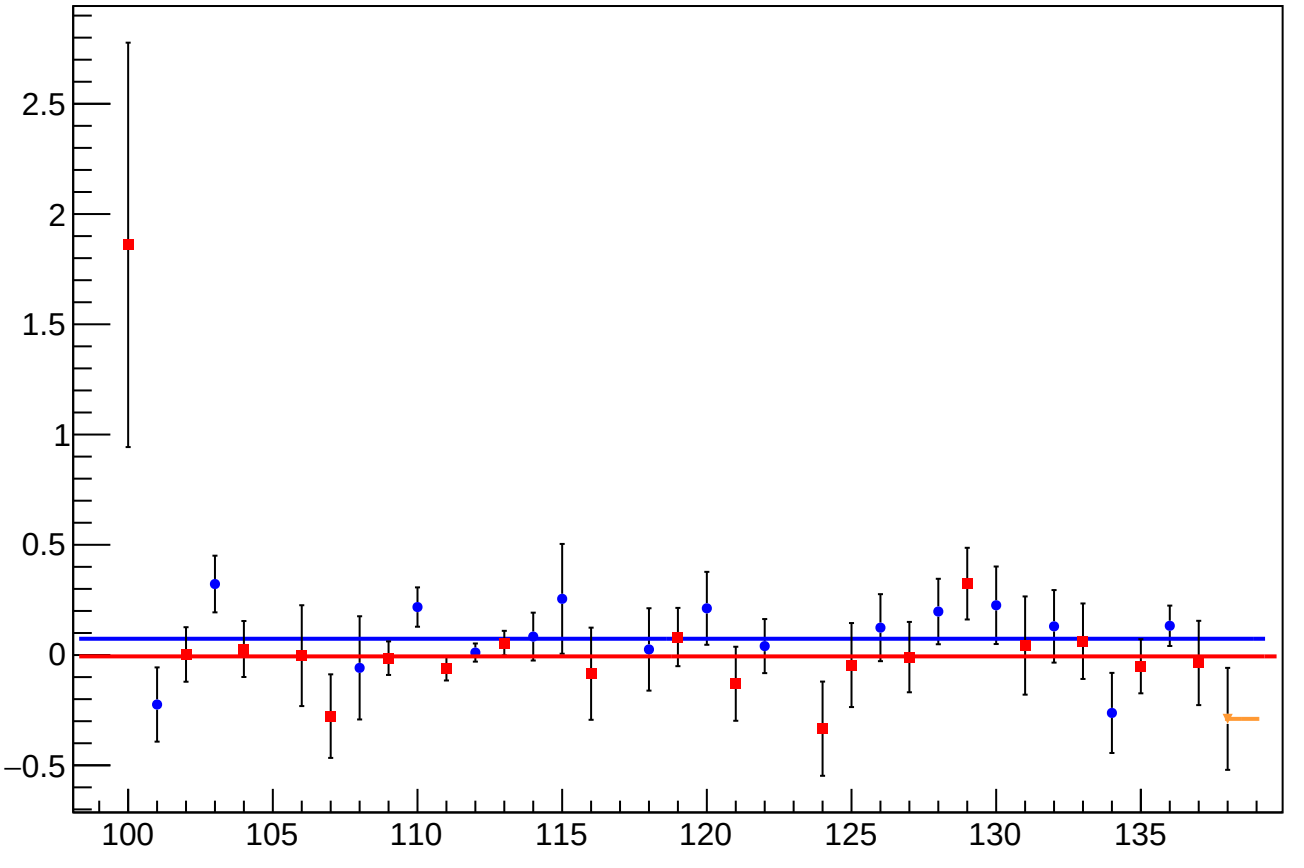
Left: 0.011+/-0.000 χ^2/NDF: 0.0/0

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.005+/-0.000 χ^2/NDF:1721333.3/15

Out: 0.004+/-0.000 χ^2/NDF:3576308.8/19

All: 0.004+/-0.000 χ^2/NDF: 5510677.2/35



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.289+/-0.231 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

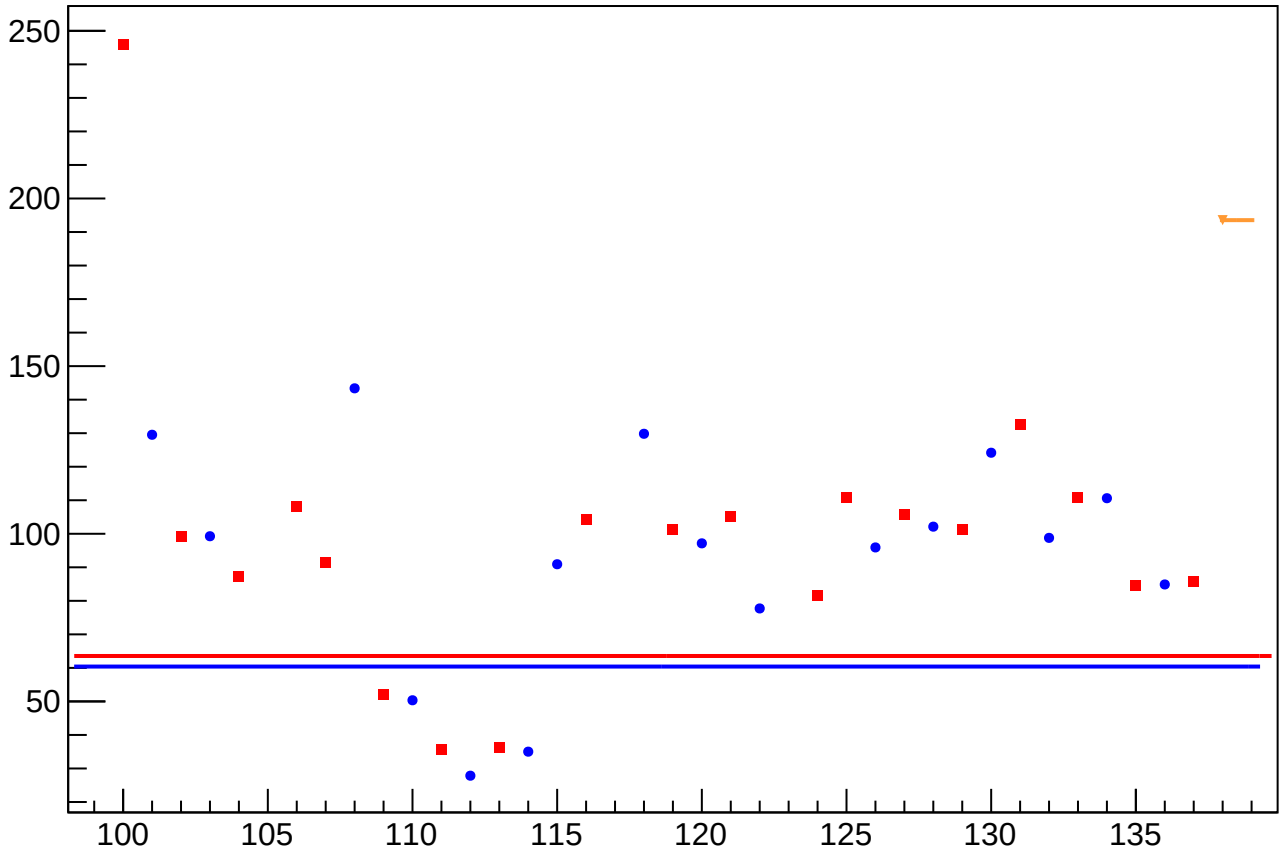
Left: -0.289+/-0.231 χ^2/NDF: 0.0/0

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.074+/-0.027 χ^2/NDF:19.0/15

Out: -0.010+/-0.027 χ^2/NDF:17.9/19

All: 0.031+/-0.019 χ^2/NDF: 41.7/35



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 193.541+/-0.164 χ^2/NDF:0.0/0

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

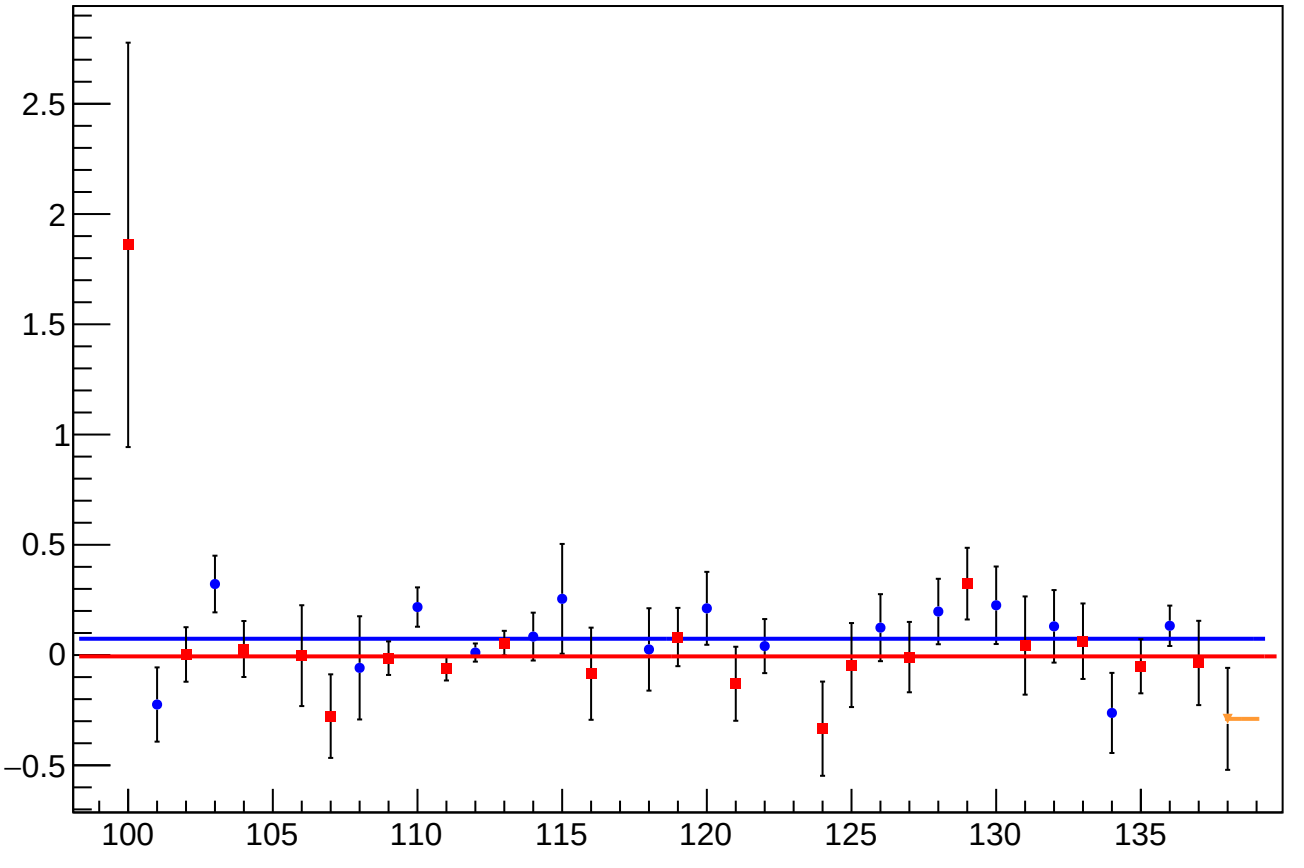
Left: 193.541+/-0.164 χ^2/NDF: 0.0/0

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 60.399+/-0.019 χ^2/NDF:3538382.9/15

Out: 65.278+/-0.019 χ^2/NDF:3278431.9/19

All: 62.871+/-0.013 χ^2/NDF: 6849873.3/35



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.289+/-0.231 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

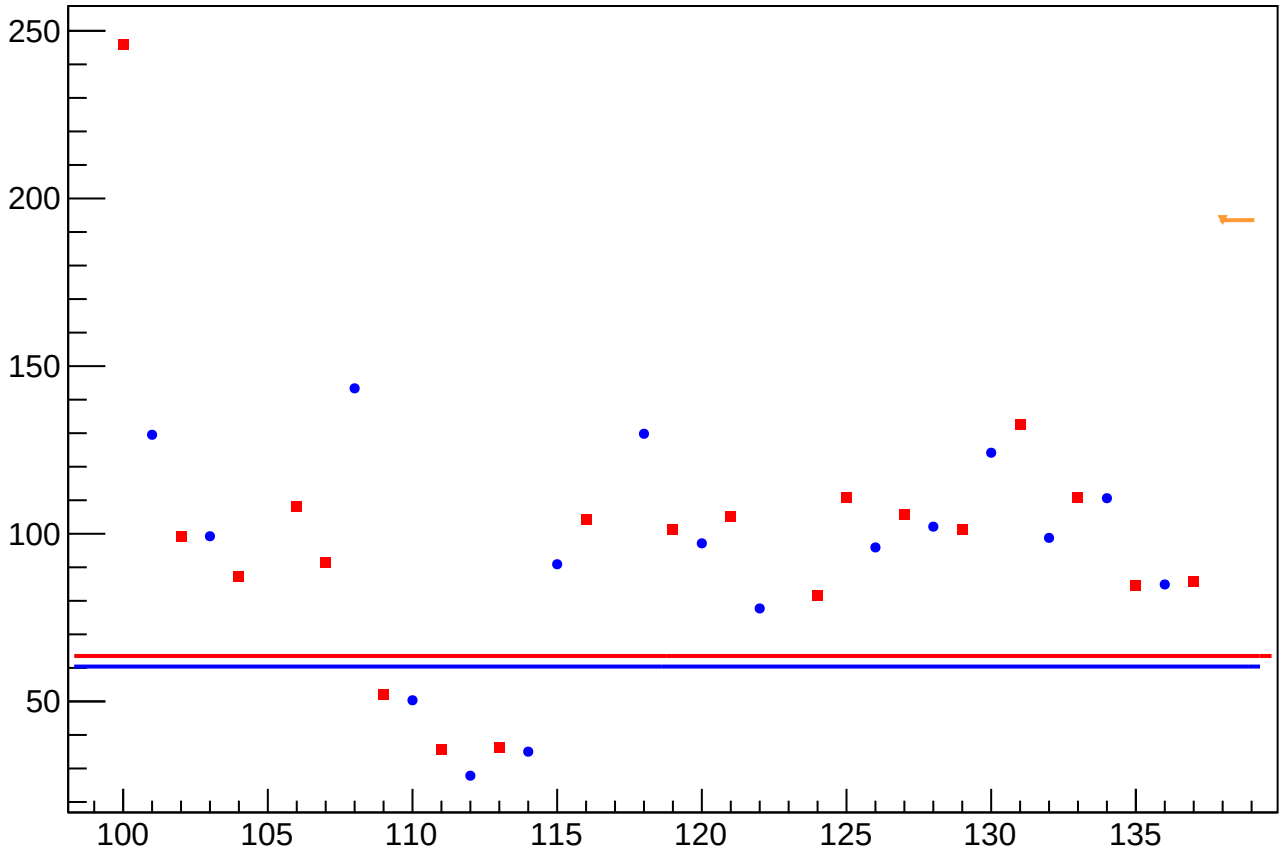
Left: -0.289+/-0.231 χ^2/NDF: 0.0/0

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.074+/-0.027 χ^2/NDF:19.0/15

Out: -0.010+/-0.027 χ^2/NDF:17.9/19

All: 0.031+/-0.019 χ^2/NDF: 41.7/35



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 193.541+/-0.164 χ^2/NDF:0.0/0

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

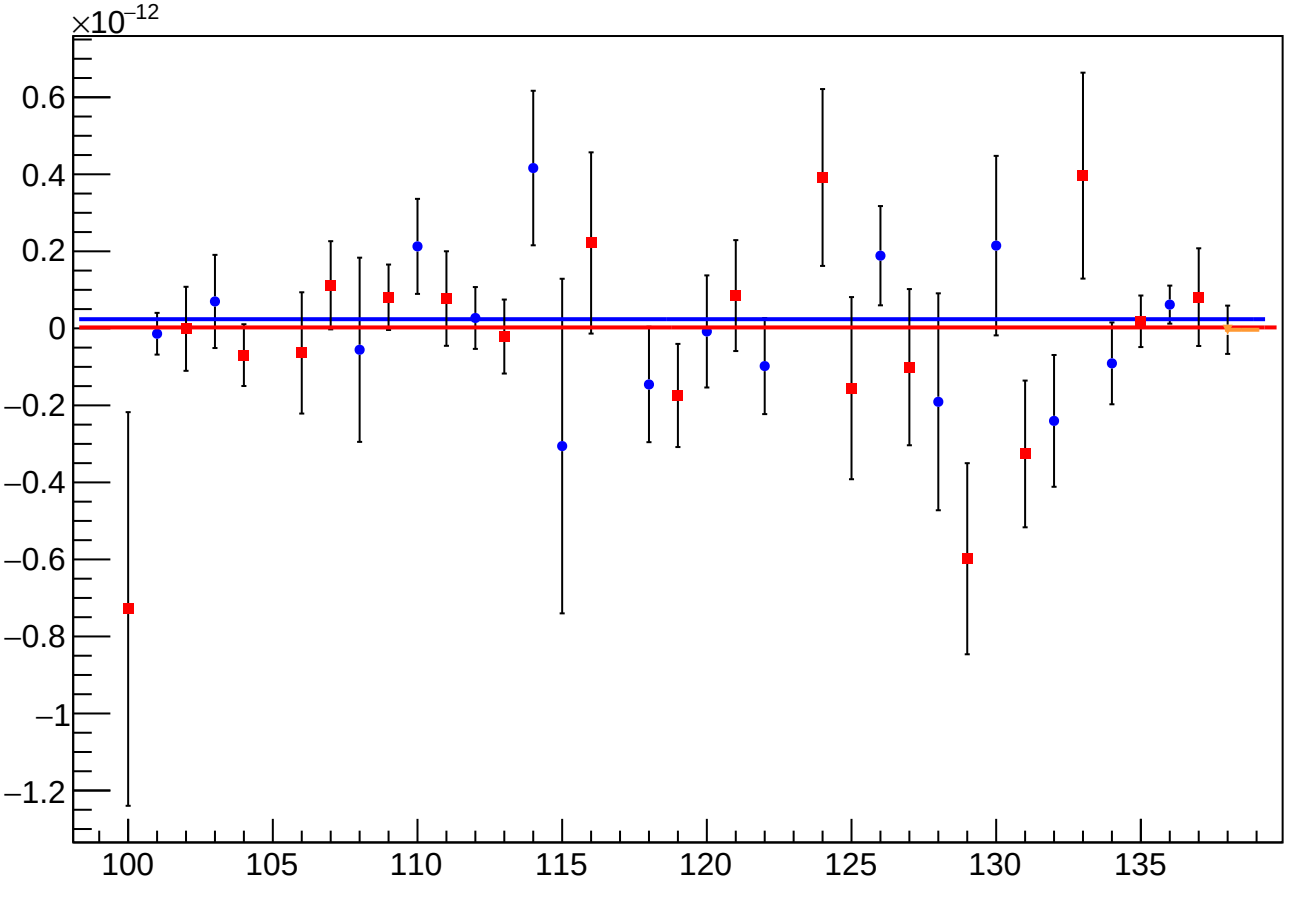
Left: 193.541+/-0.164 χ^2/NDF: 0.0/0

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 60.399+/-0.019 χ^2/NDF:3538382.9/15

Out: 65.278+/-0.019 χ^2/NDF:3278431.9/19

All: 62.871+/-0.013 χ^2/NDF: 6849873.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

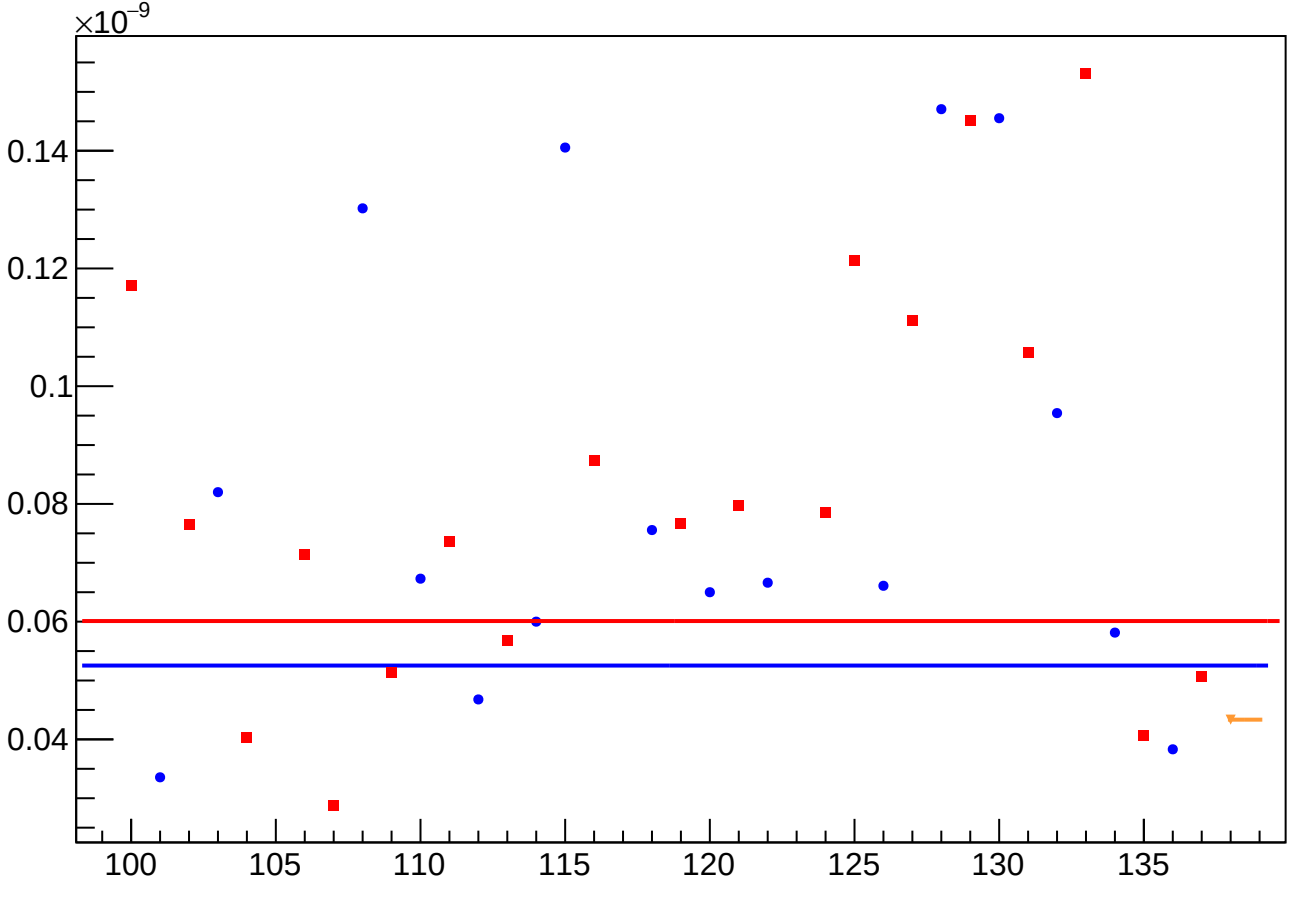
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:16.8/15

Out: 0.000+/-0.000 χ^2/NDF:23.2/19

All: 0.000+/-0.000 χ^2/NDF: 40.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

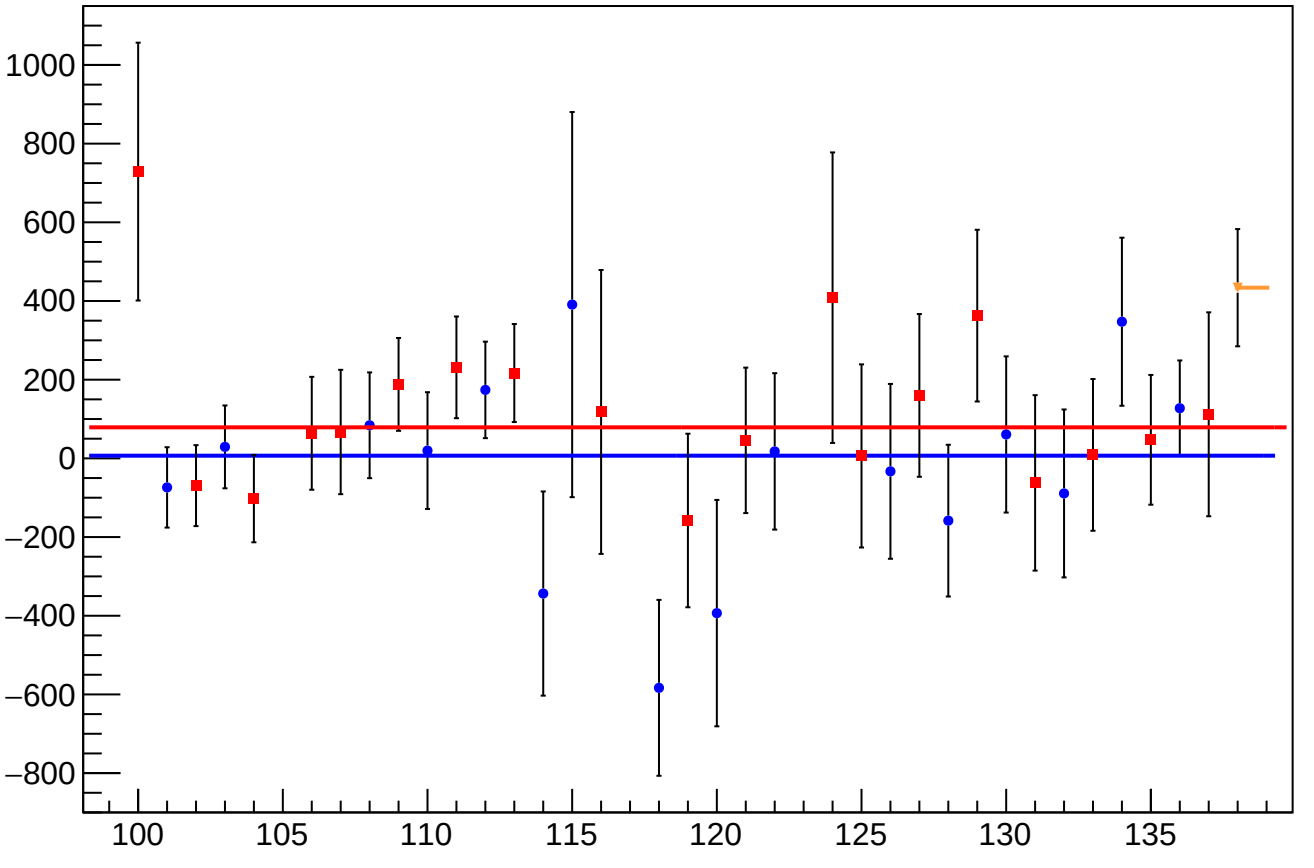
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:1649207.5/15

Out: 0.000+/-0.000 χ^2/NDF:1656879.7/19

All: 0.000+/-0.000 χ^2/NDF: 3337322.2/35



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 433.833+/-149.000 χ^2/NDF:0.0/0

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 433.833+/-149.000 χ^2/NDF: 0.0/0

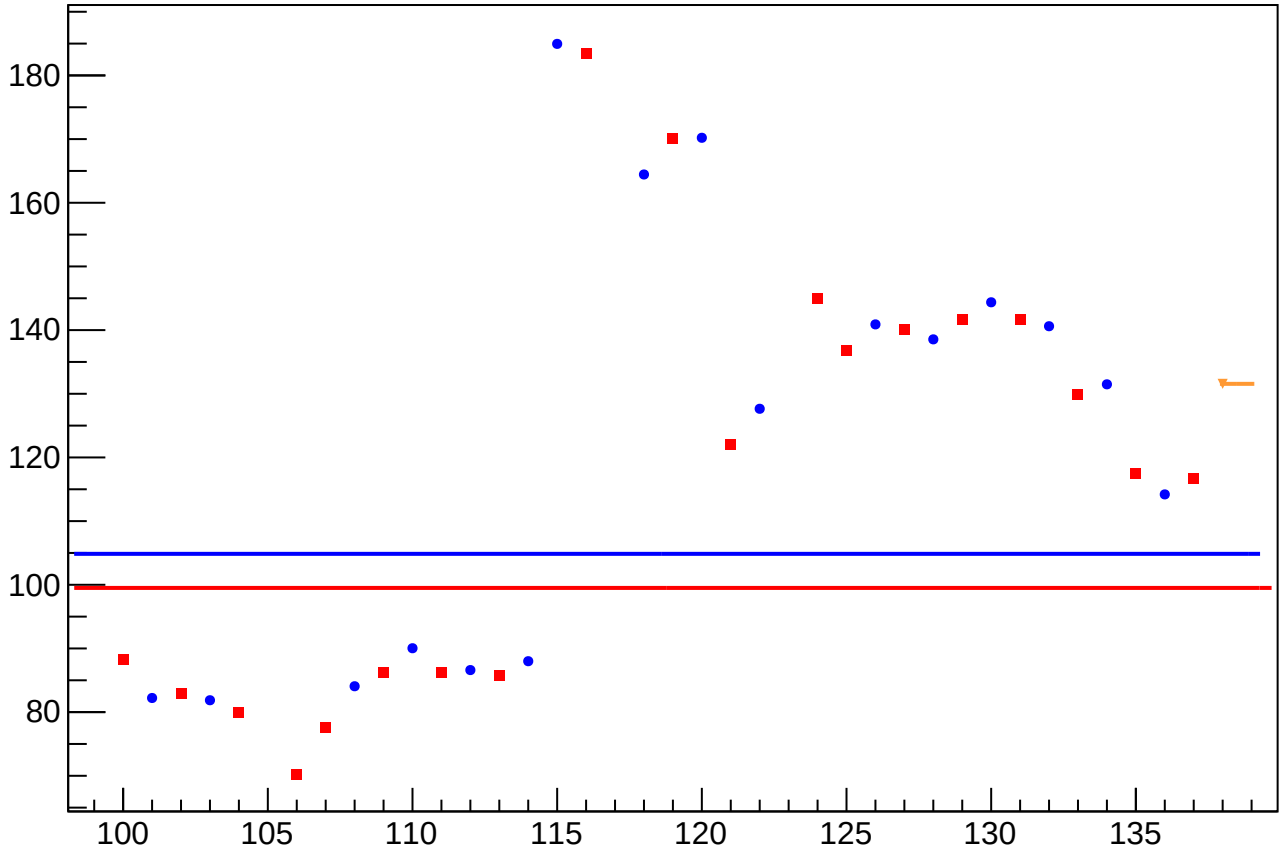
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 6.811+/-40.353 χ^2/NDF:18.8/15

Out: 100.459+/-36.736 χ^2/NDF:22.0/19

All: 58.019+/-27.165 χ^2/NDF: 43.7/35

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 131.560+/-0.105 χ^2/NDF:0.0/0

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

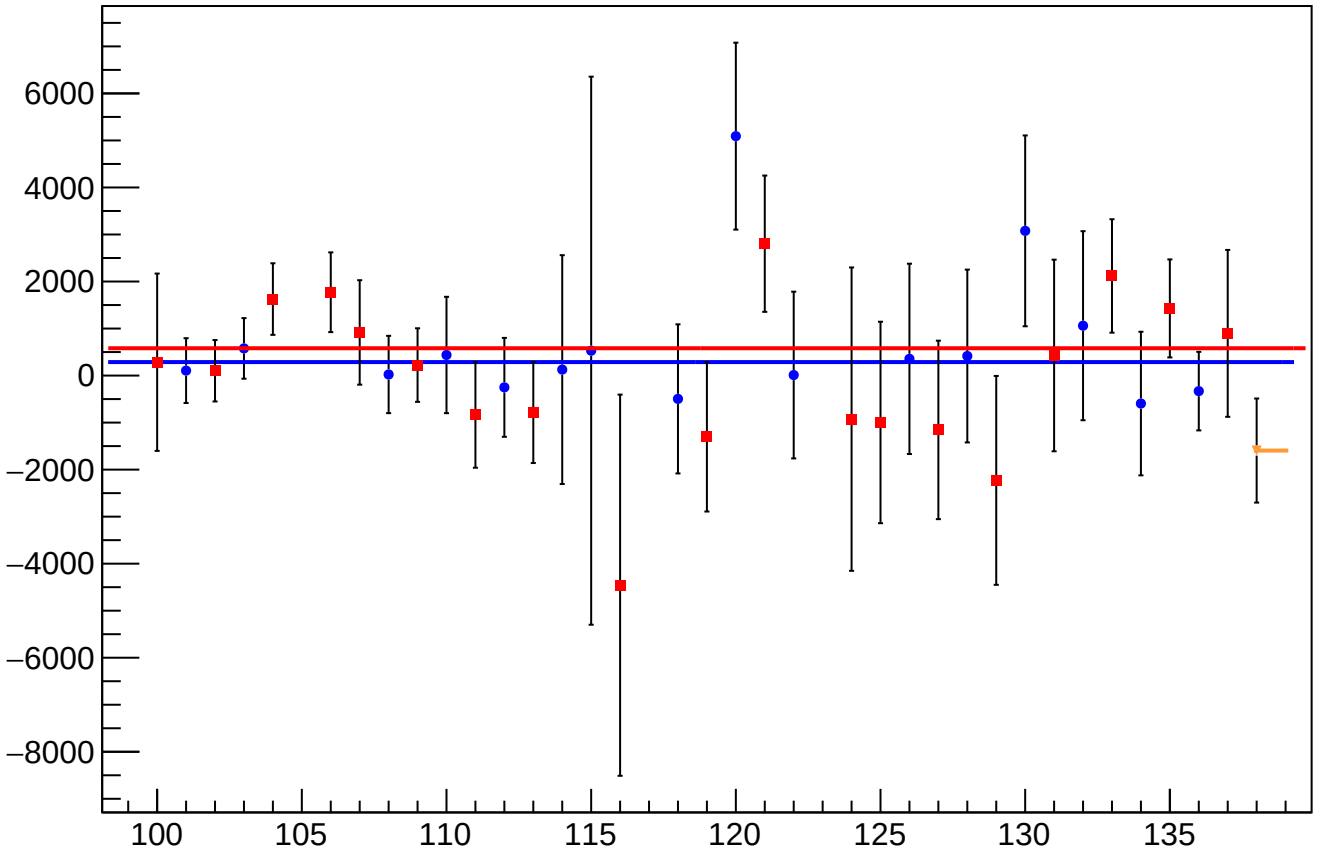
Left: 131.560+/-0.105 χ^2/NDF: 0.0/0

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 104.860+/-0.029 χ^2/NDF:931228.4/15

Out: 101.456+/-0.026 χ^2/NDF:1125959.3/19

All: 102.999+/-0.019 χ^2/NDF: 2064968.6/35



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -1594.641+/-1106.694 χ^2/NDF:0.0/0

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

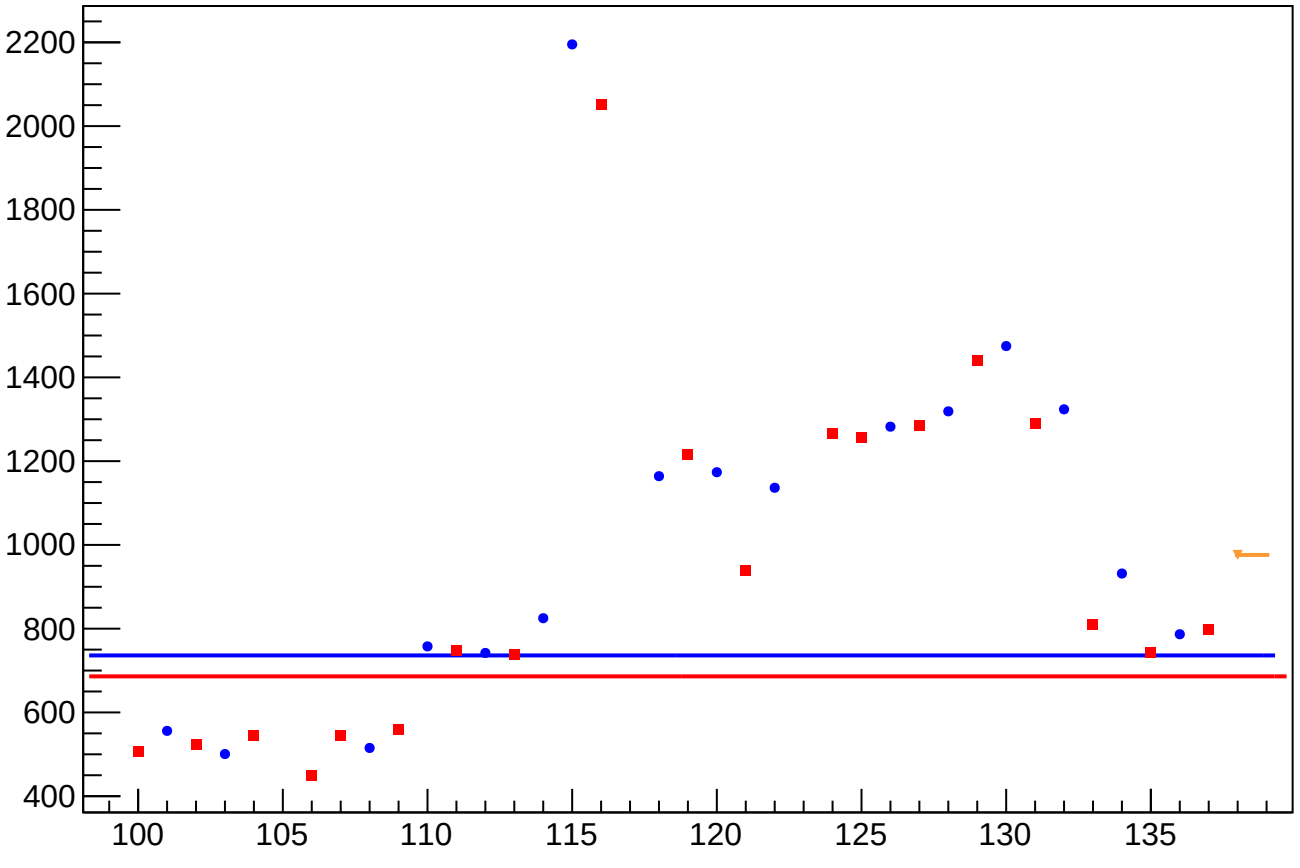
Left: -1594.641+/-1106.694 χ^2/NDF: 0.0/0

Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 286.915+/-293.474 χ^2/NDF:9.7/15

Out: 459.175+/-262.100 χ^2/NDF:22.4/19

All: 382.742+/-195.487 χ^2/NDF: 32.3/35



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 976.061+/-0.783 χ^2/NDF:0.0/0

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 976.061+/-0.783 χ^2/NDF: 0.0/0

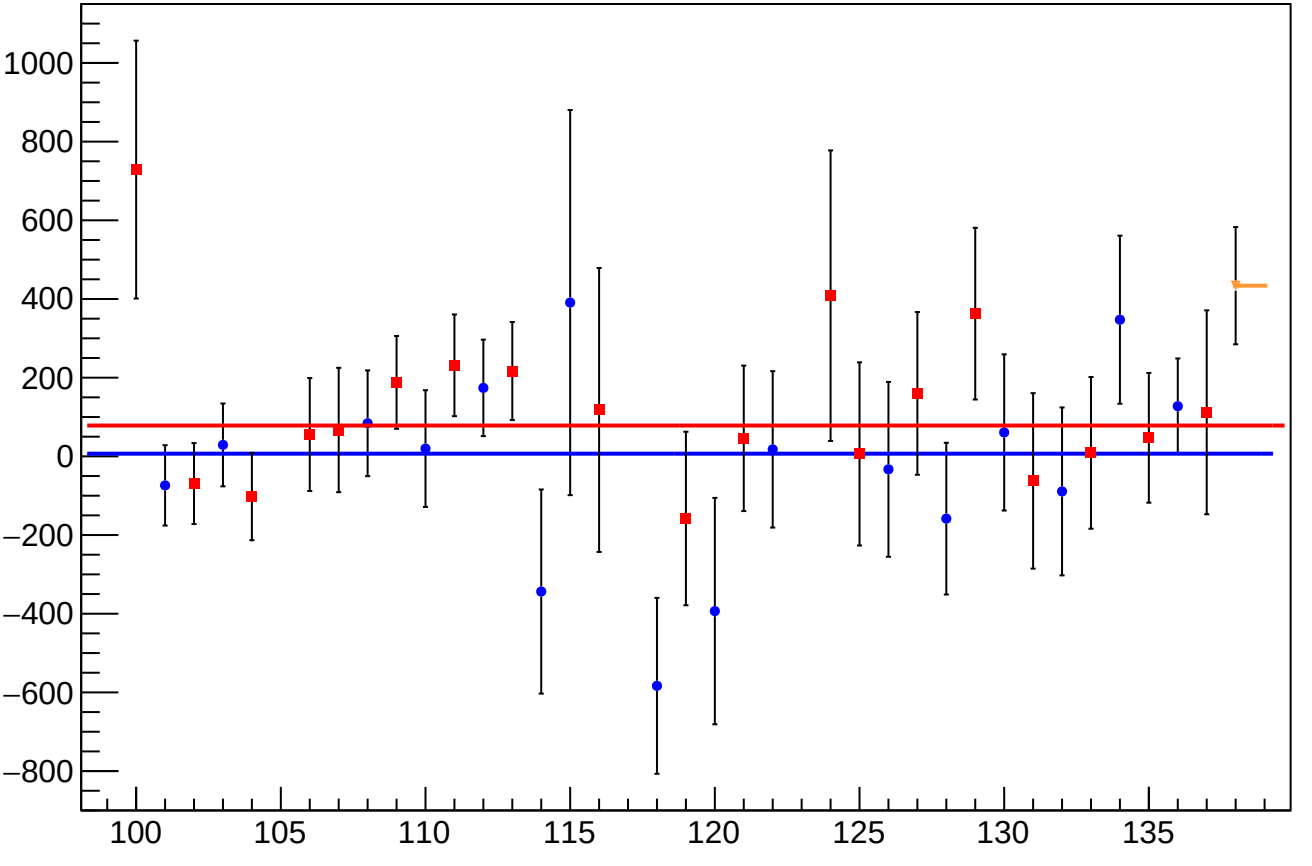
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 736.084+/-0.208 χ^2/NDF:1844496.2/15

Out: 702.371+/-0.185 χ^2/NDF:1948763.0/19

All: 717.330+/-0.138 χ^2/NDF: 3807940.9/35

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 433.816+/-149.000 χ^2/NDF:0.0/0

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 433.816+/-149.000 χ^2/NDF: 0.0/0

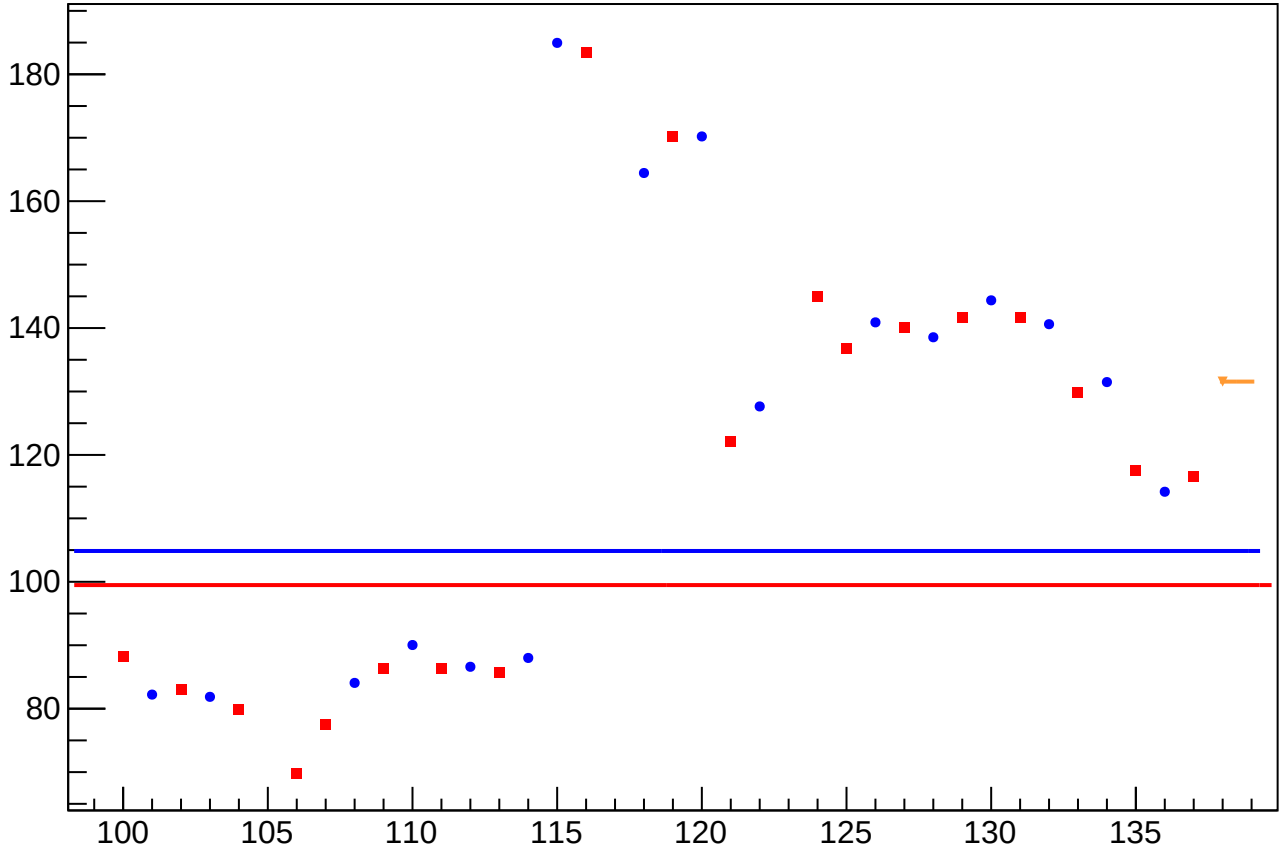
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 6.799+/-40.353 χ^2/NDF:18.8/15

Out: 99.958+/-36.738 χ^2/NDF:22.0/19

All: 57.737+/-27.166 χ^2/NDF: 43.7/35

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 131.560+/-0.105 χ^2/NDF:0.0/0

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

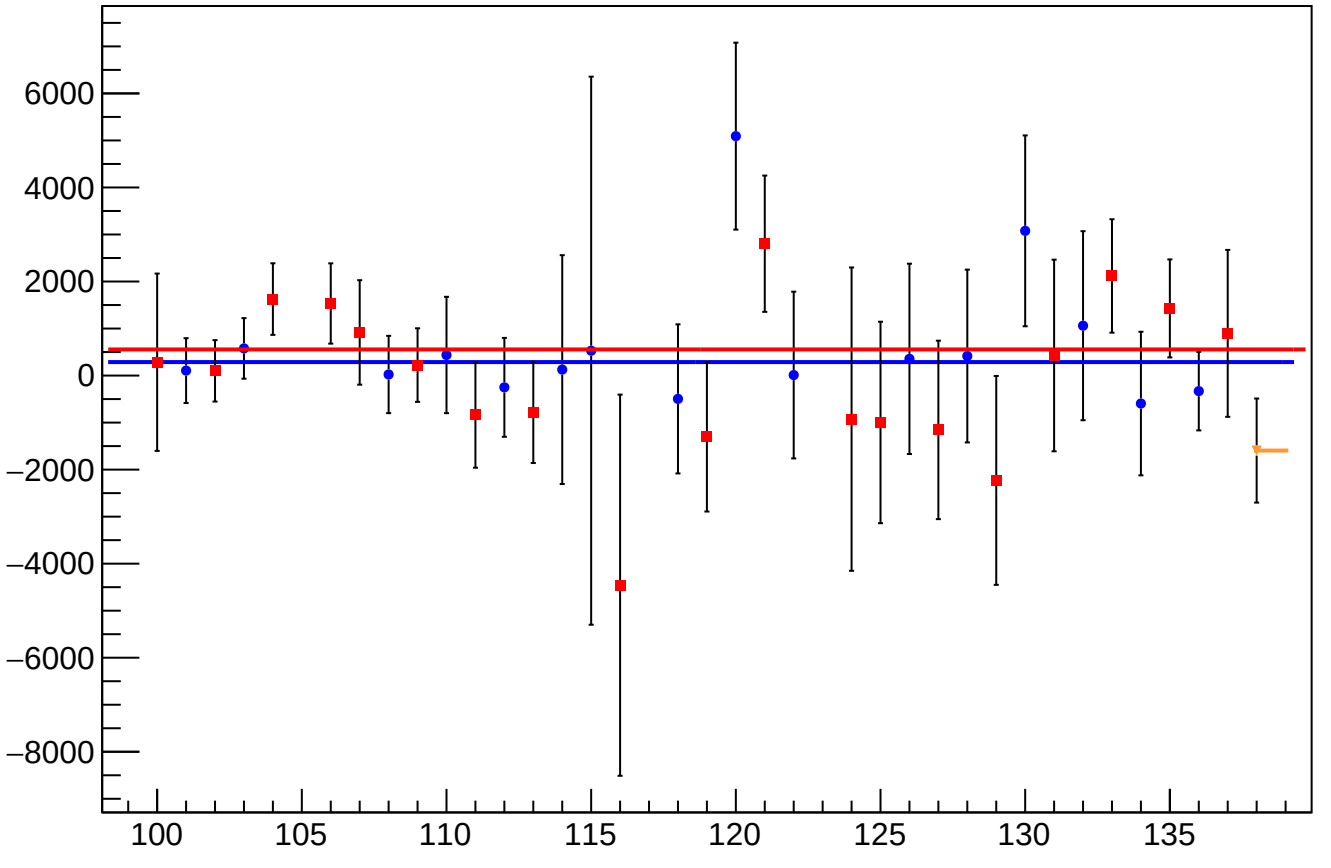
Left: 131.560+/-0.105 χ^2/NDF: 0.0/0

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 104.860+/-0.029 χ^2/NDF:931227.7/15

Out: 101.434+/-0.026 χ^2/NDF:1128275.1/19

All: 102.987+/-0.019 χ^2/NDF: 2067384.9/35



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -1594.648+/-1106.695 χ^2/NDF:0.0/0

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1594.648+/-1106.695 χ^2/NDF: 0.0/0

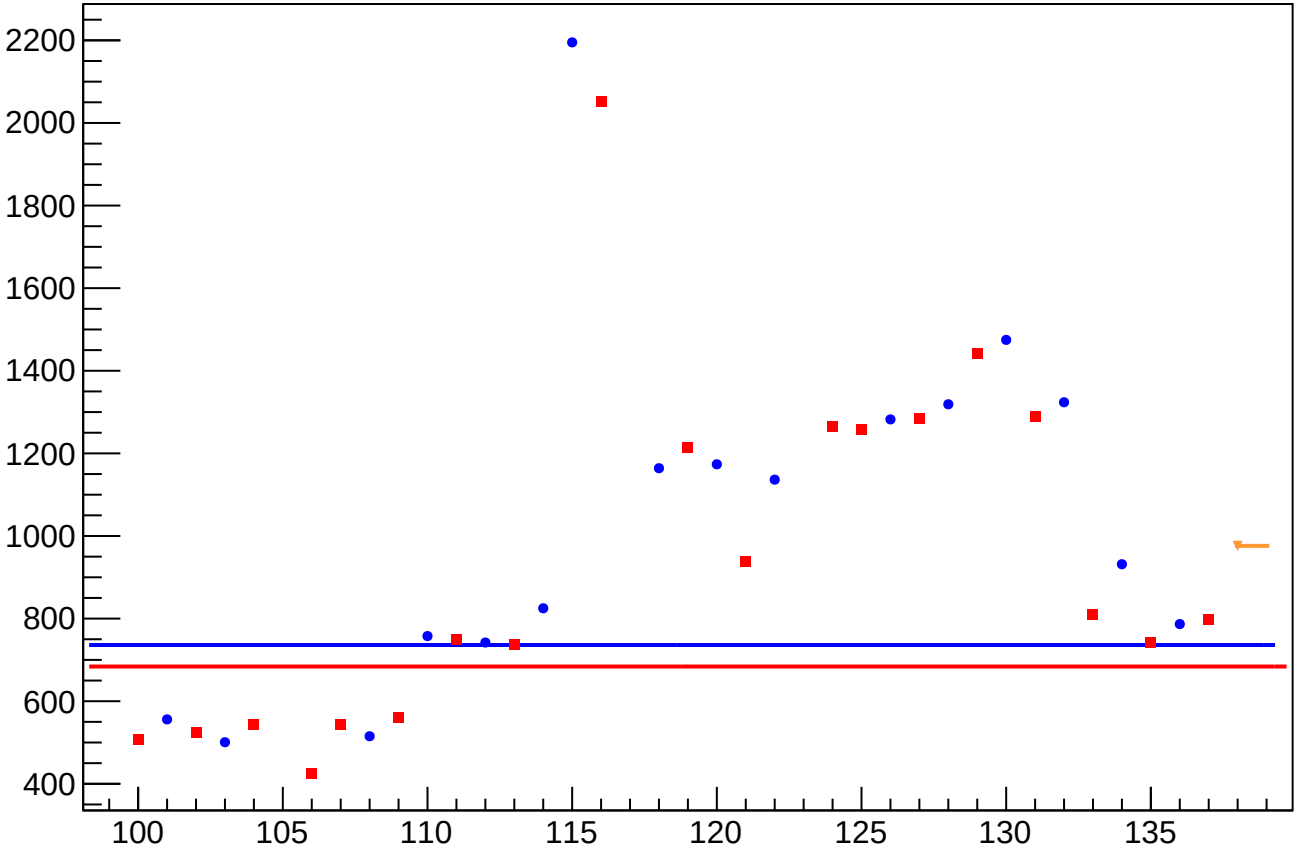
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 286.918+/-293.473 χ^2/NDF:9.7/15

Out: 434.689+/-262.264 χ^2/NDF:21.6/19

All: 369.076+/-195.555 χ^2/NDF: 31.4/35

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 976.062+/-0.783 χ^2/NDF:0.0/0

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

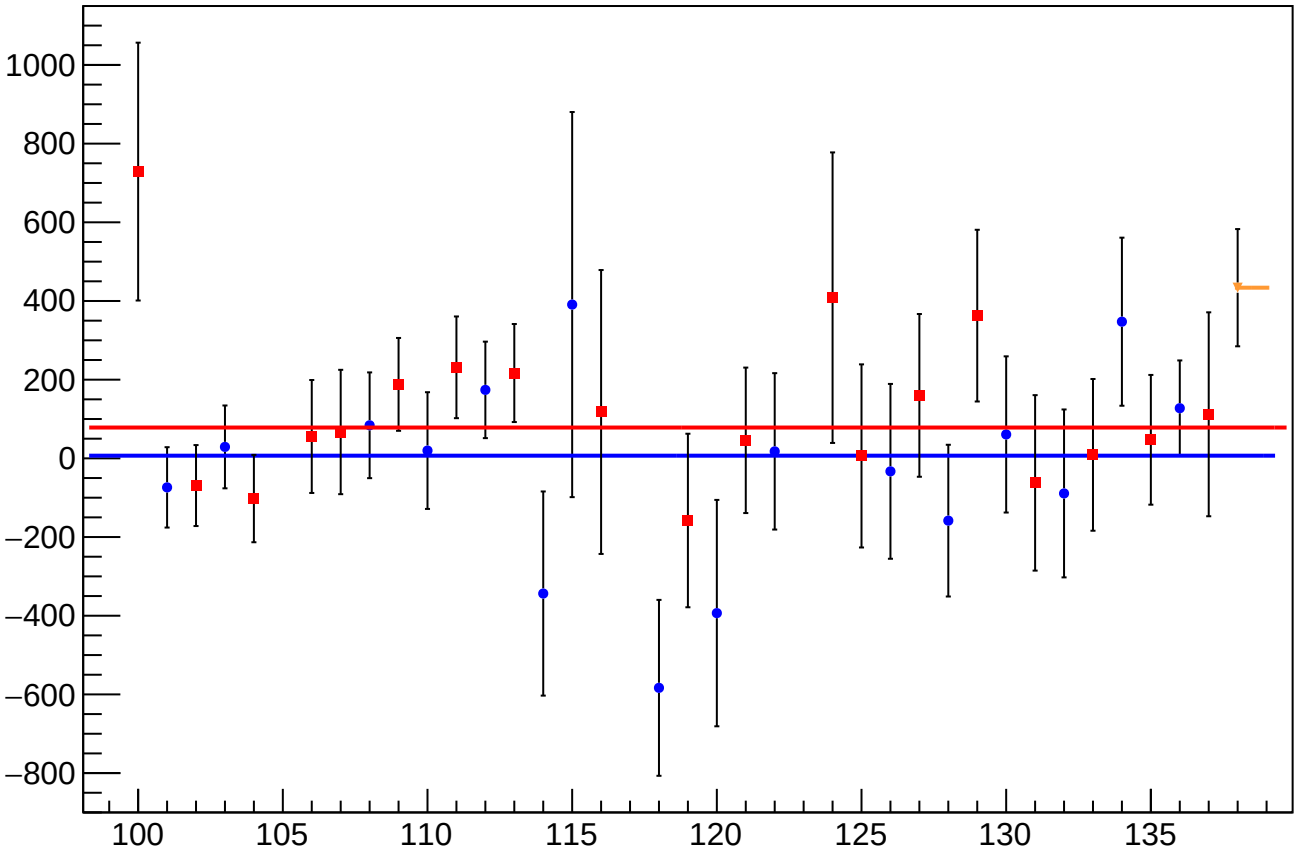
Left: 976.062+/-0.783 χ^2/NDF: 0.0/0

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 736.083+/-0.208 χ^2/NDF:1844498.2/15

Out: 700.384+/-0.185 χ^2/NDF:1981888.7/19

All: 716.235+/-0.138 χ^2/NDF: 3842841.3/35



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 433.816+/-149.000 χ^2/NDF:0.0/0

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

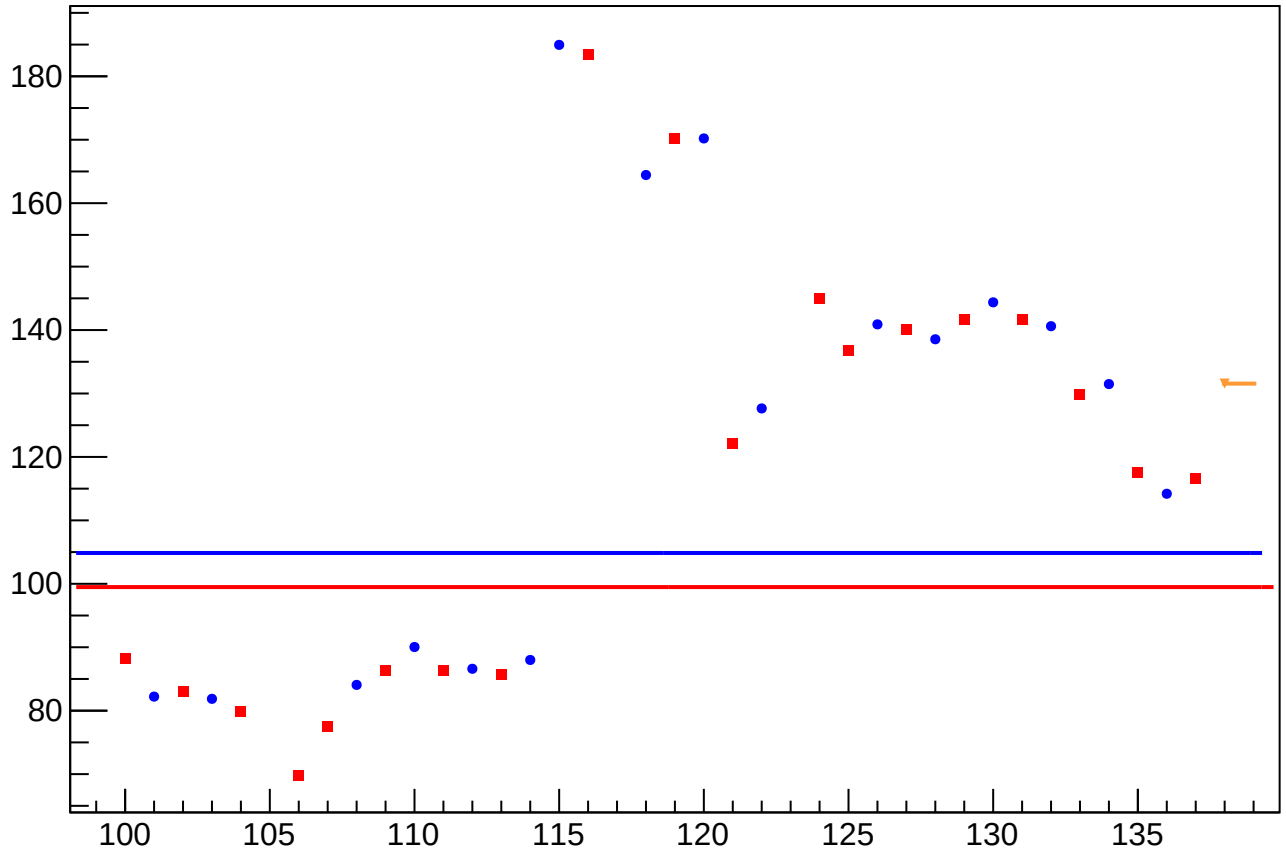
Left: 433.816+/-149.000 χ^2/NDF: 0.0/0

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 6.799+/-40.353 χ^2/NDF:18.8/15

Out: 99.958+/-36.738 χ^2/NDF:22.0/19

All: 57.737+/-27.166 χ^2/NDF: 43.7/35



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 131.560+/-0.105 χ^2/NDF:0.0/0

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

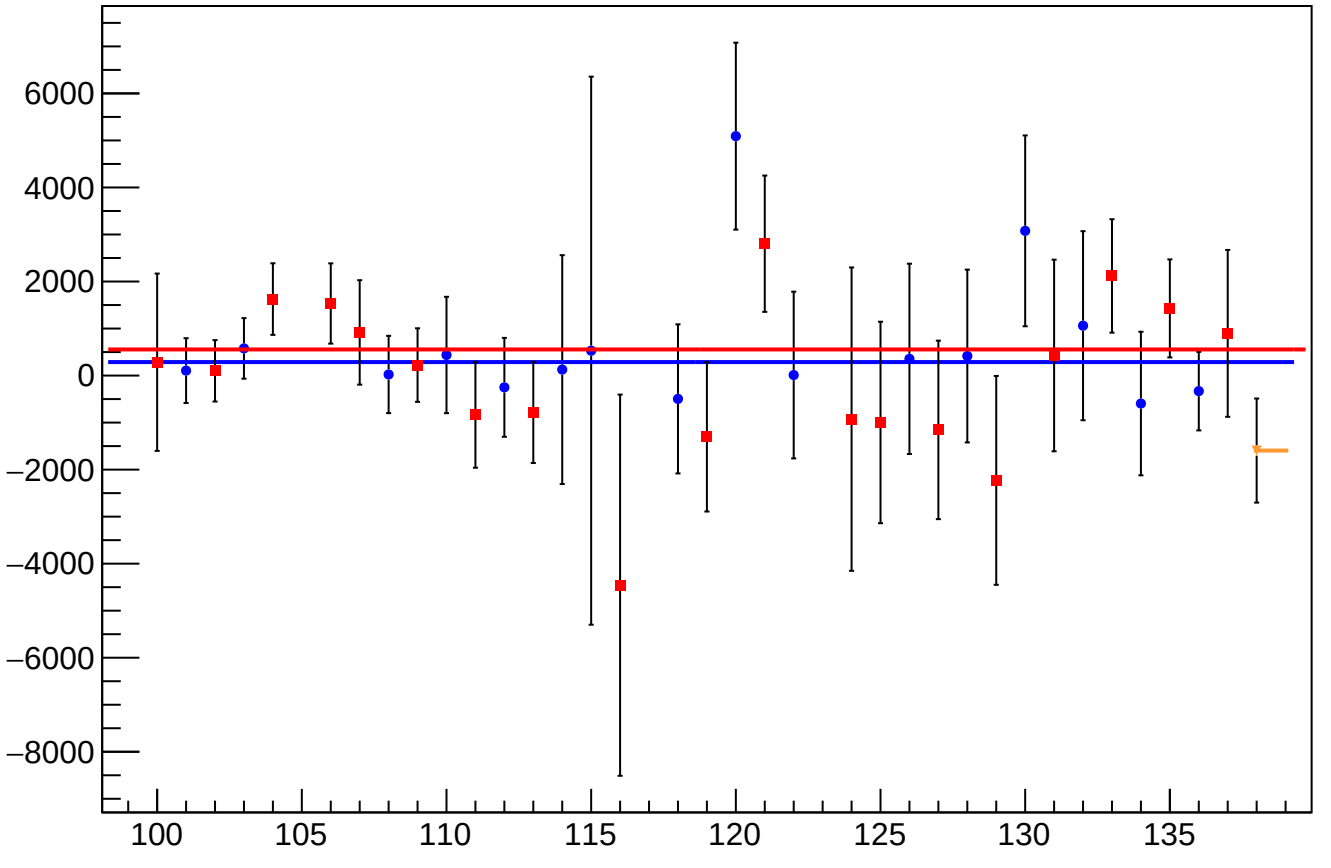
Left: 131.560+/-0.105 χ^2/NDF: 0.0/0

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 104.860+/-0.029 χ^2/NDF:931227.7/15

Out: 101.434+/-0.026 χ^2/NDF:1128275.1/19

All: 102.987+/-0.019 χ^2/NDF: 2067384.9/35



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -1594.648+/-1106.695 χ^2/NDF:0.0/0

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1594.648+/-1106.695 χ^2/NDF: 0.0/0

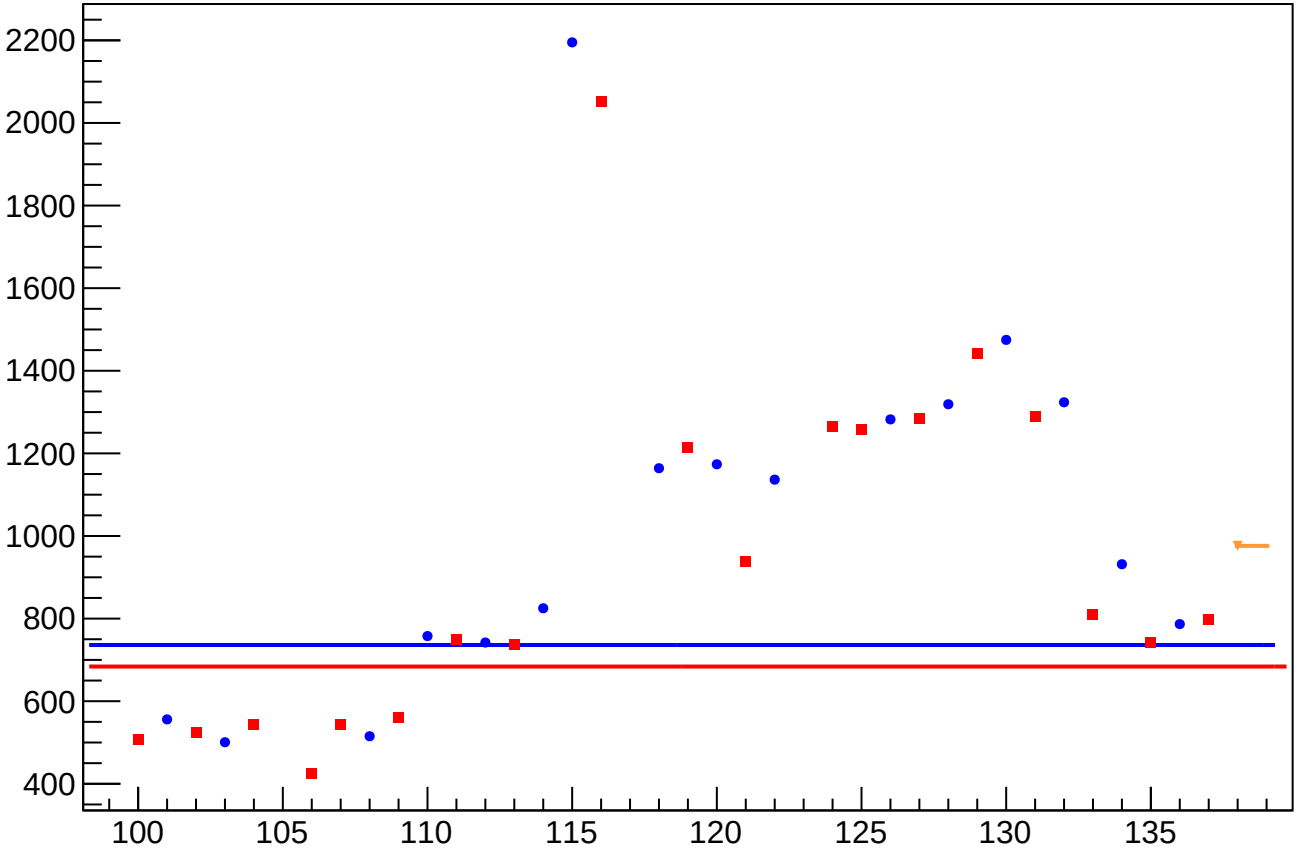
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 286.918+/-293.473 χ^2/NDF:9.7/15

Out: 434.689+/-262.264 χ^2/NDF:21.6/19

All: 369.076+/-195.555 χ^2/NDF: 31.4/35

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 976.062+/-0.783 χ^2/NDF:0.0/0

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 976.062+/-0.783 χ^2/NDF: 0.0/0

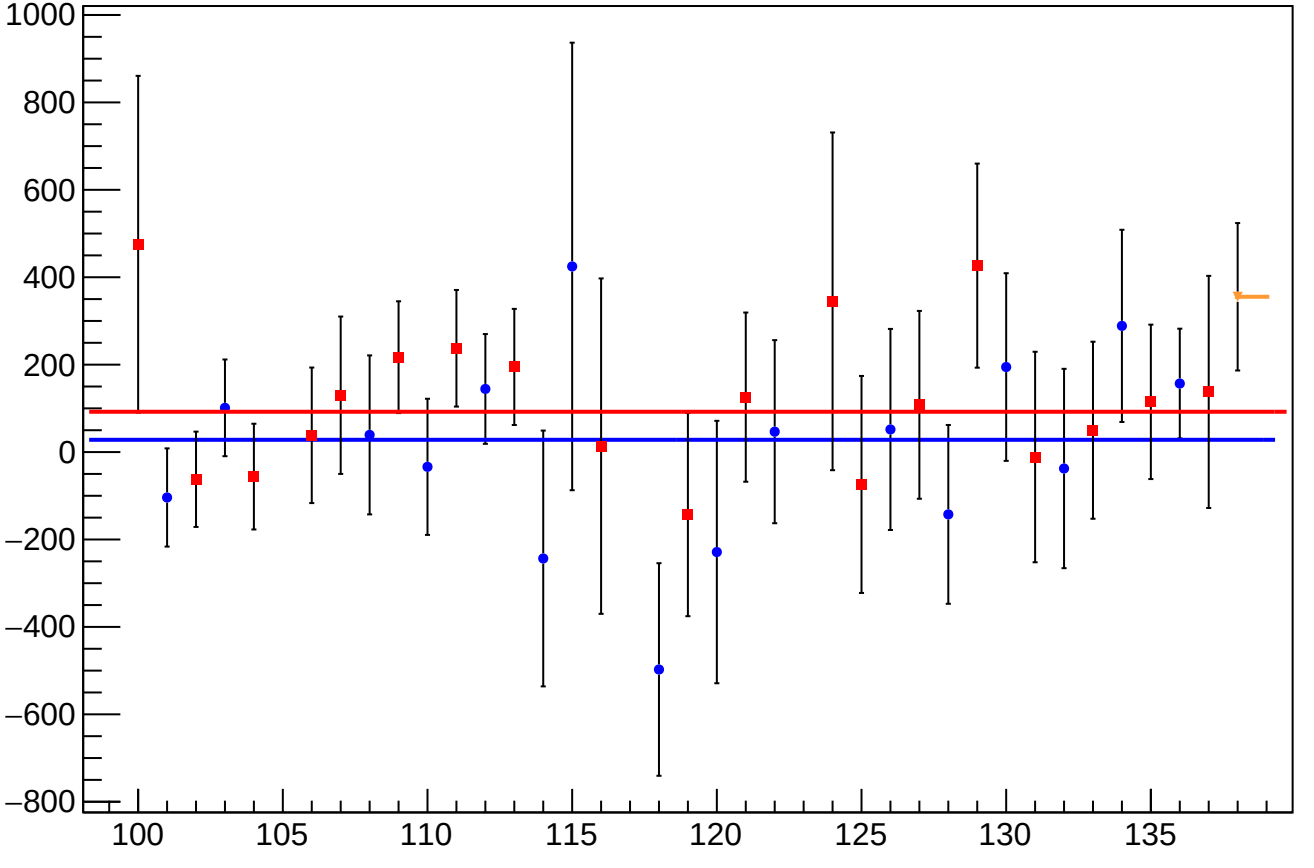
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 736.083+/-0.208 χ^2/NDF:1844498.2/15

Out: 700.384+/-0.185 χ^2/NDF:1981888.7/19

All: 716.235+/-0.138 χ^2/NDF: 3842841.3/35

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 355.319+/-168.656 χ^2/NDF:0.0/0

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 355.319+/-168.656 χ^2/NDF: 0.0/0

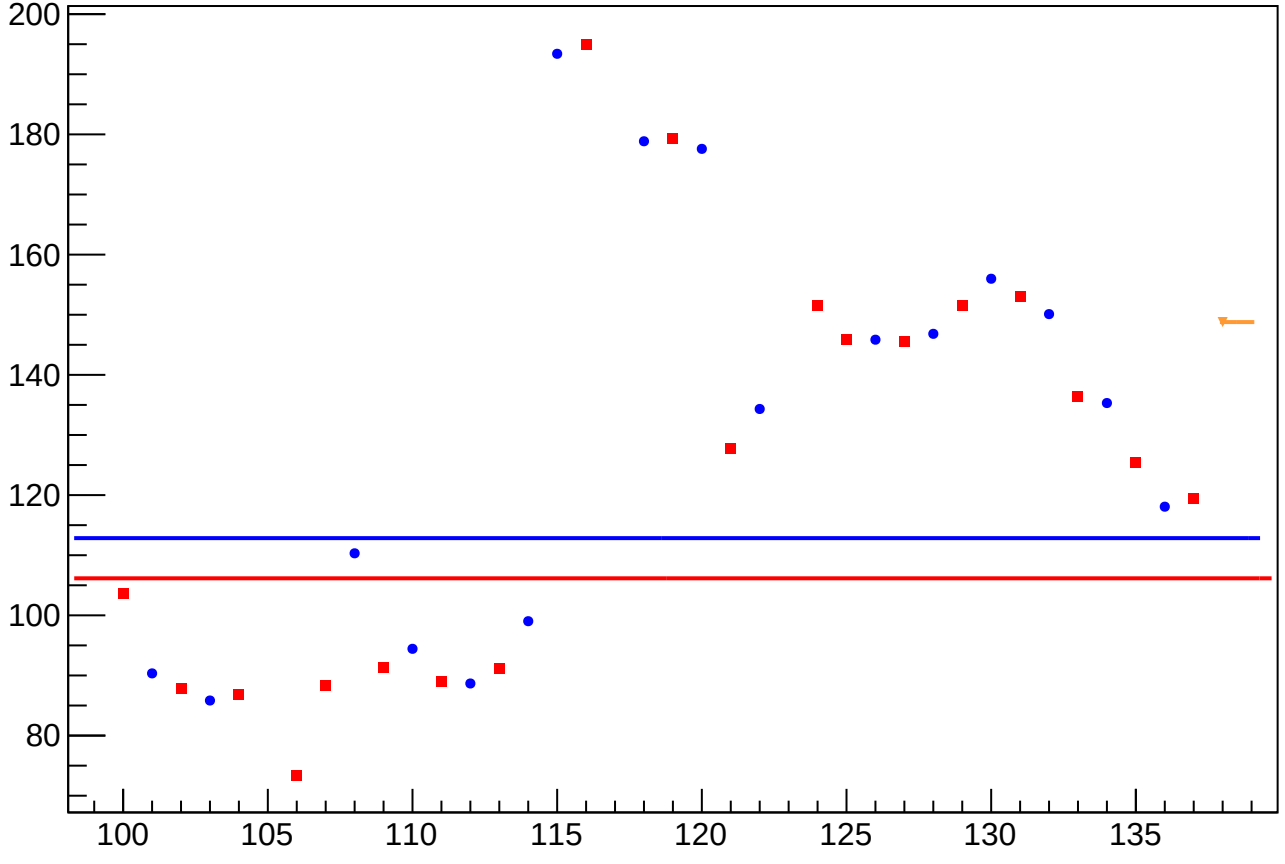
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 28.094+/-43.439 χ^2/NDF:13.6/15

Out: 106.616+/-39.416 χ^2/NDF:14.0/19

All: 71.158+/-29.190 χ^2/NDF: 29.4/35

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 148.780+/-0.119 χ^2/NDF:0.0/0

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

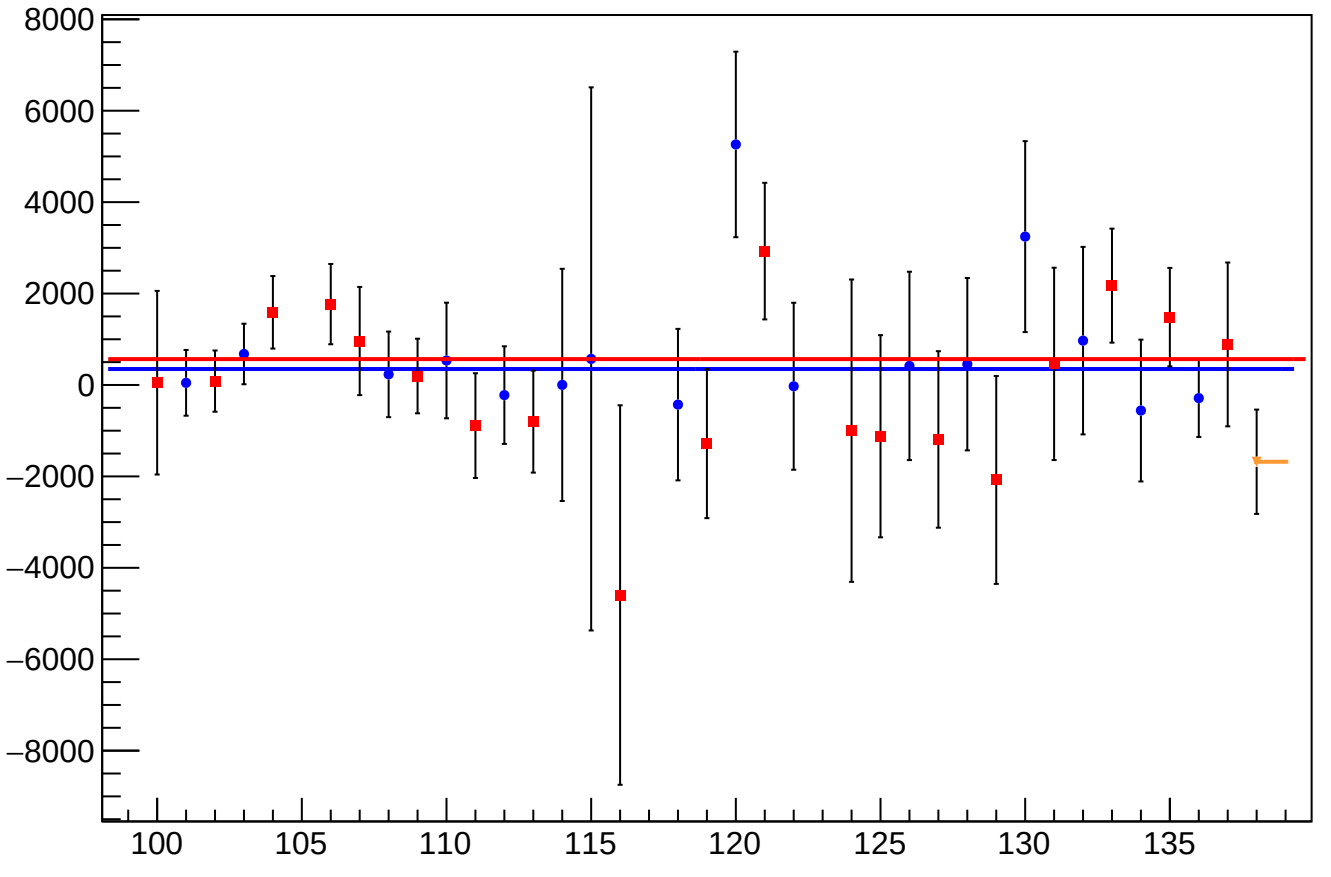
Left: 148.780+/-0.119 χ^2/NDF: 0.0/0

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 112.843+/-0.031 χ^2/NDF:872225.9/15

Out: 108.487+/-0.028 χ^2/NDF:1122895.8/19

All: 110.454+/-0.021 χ^2/NDF: 2006152.2/35



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -1679.720+/-1141.202 χ^2/NDF:0.0/0

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

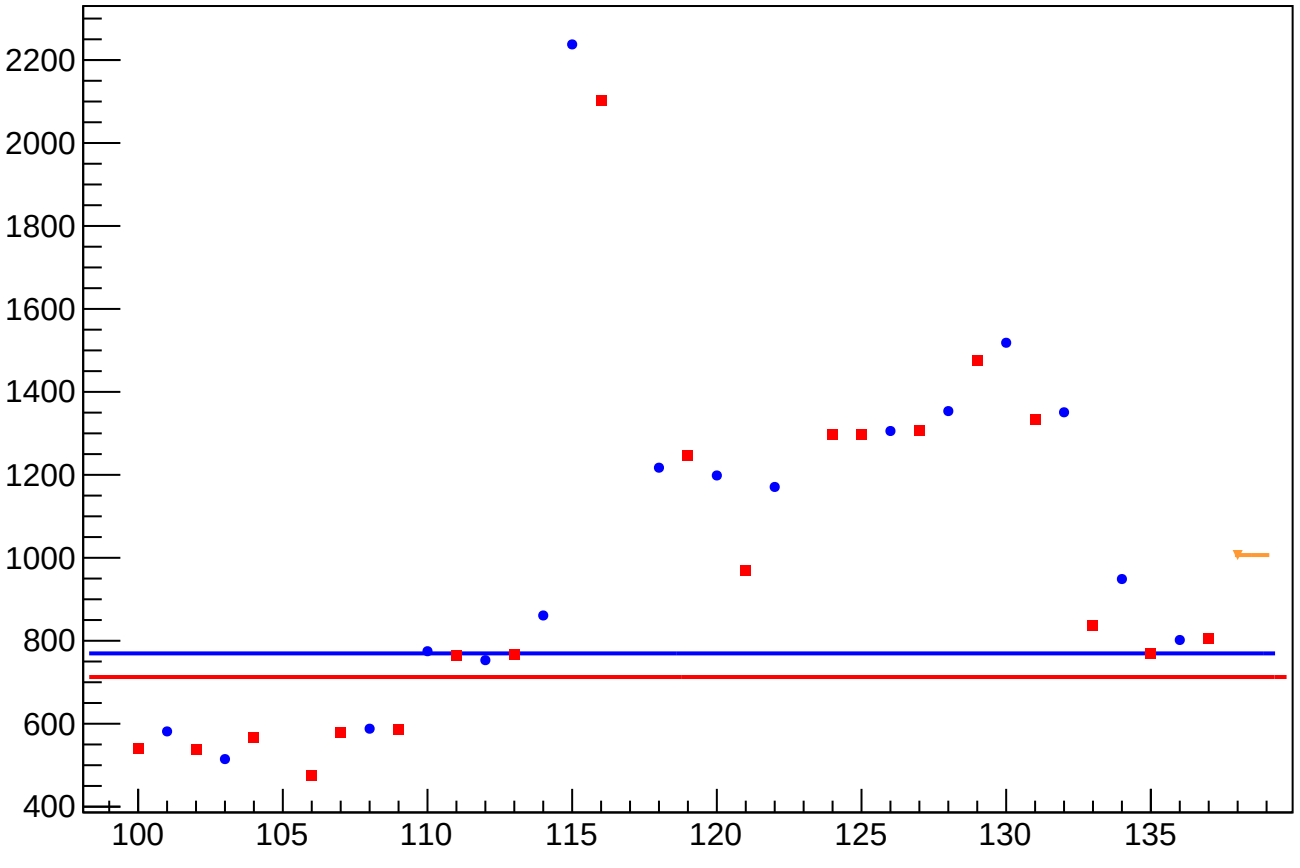
Left: -1679.720+/-1141.202 χ^2/NDF: 0.0/0

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 349.112+/-305.328 χ^2/NDF:9.8/15

Out: 439.181+/-271.218 χ^2/NDF:22.0/19

All: 399.457+/-202.772 χ^2/NDF: 31.8/35



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 1006.632+/-0.807 χ^2/NDF:0.0/0

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

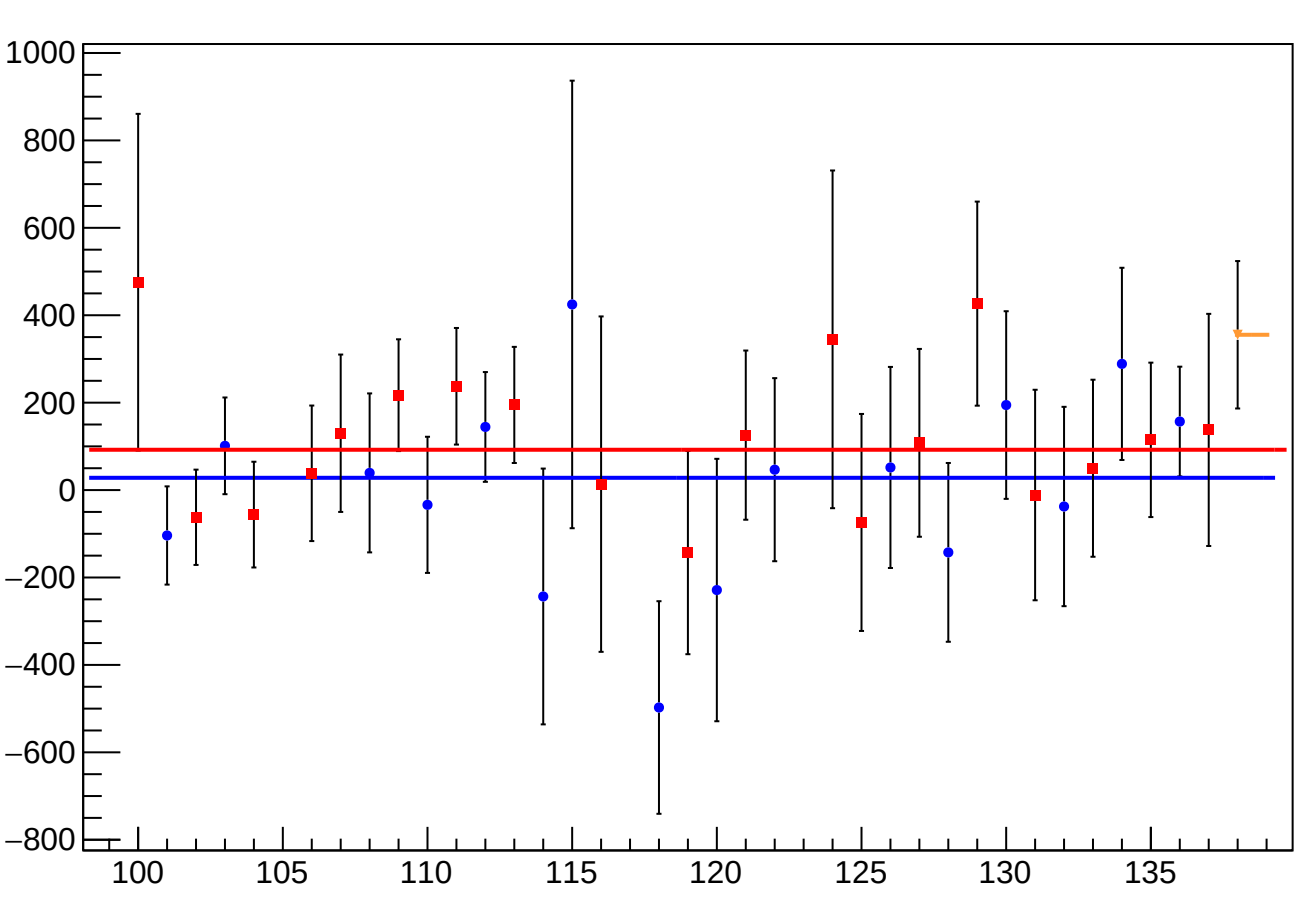
Left: 1006.632+/-0.807 χ^2/NDF: 0.0/0

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 769.557+/-0.216 χ^2/NDF:1739937.3/15

Out: 729.234+/-0.192 χ^2/NDF:1892471.2/19

All: 747.019+/-0.143 χ^2/NDF: 3651905.9/35



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 355.311+/-168.657 χ^2/NDF:0.0/0

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 355.311+/-168.657 χ^2/NDF: 0.0/0

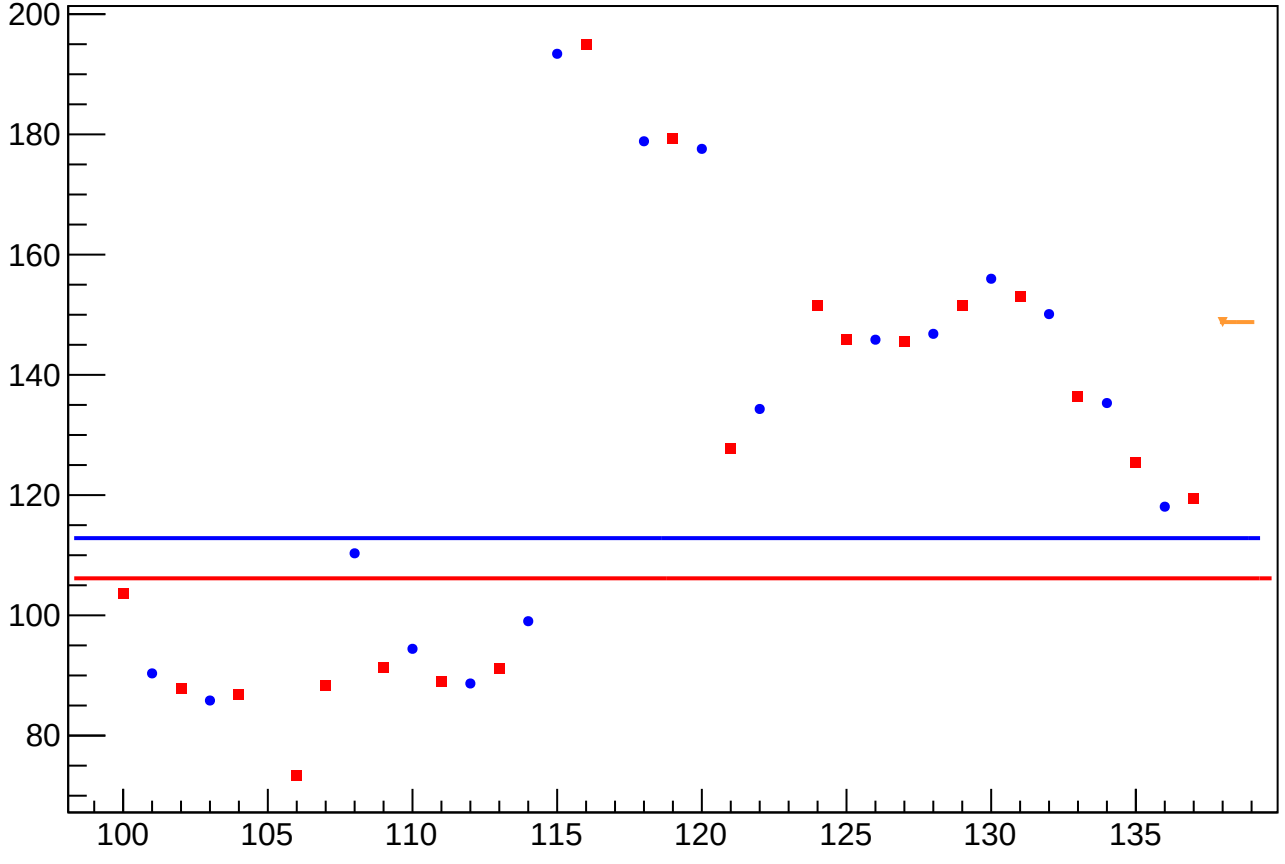
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 28.093+/-43.439 χ^2/NDF:13.6/15

Out: 106.615+/-39.416 χ^2/NDF:14.0/19

All: 71.157+/-29.190 χ^2/NDF: 29.4/35

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 148.781+/-0.119 χ^2/NDF:0.0/0

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

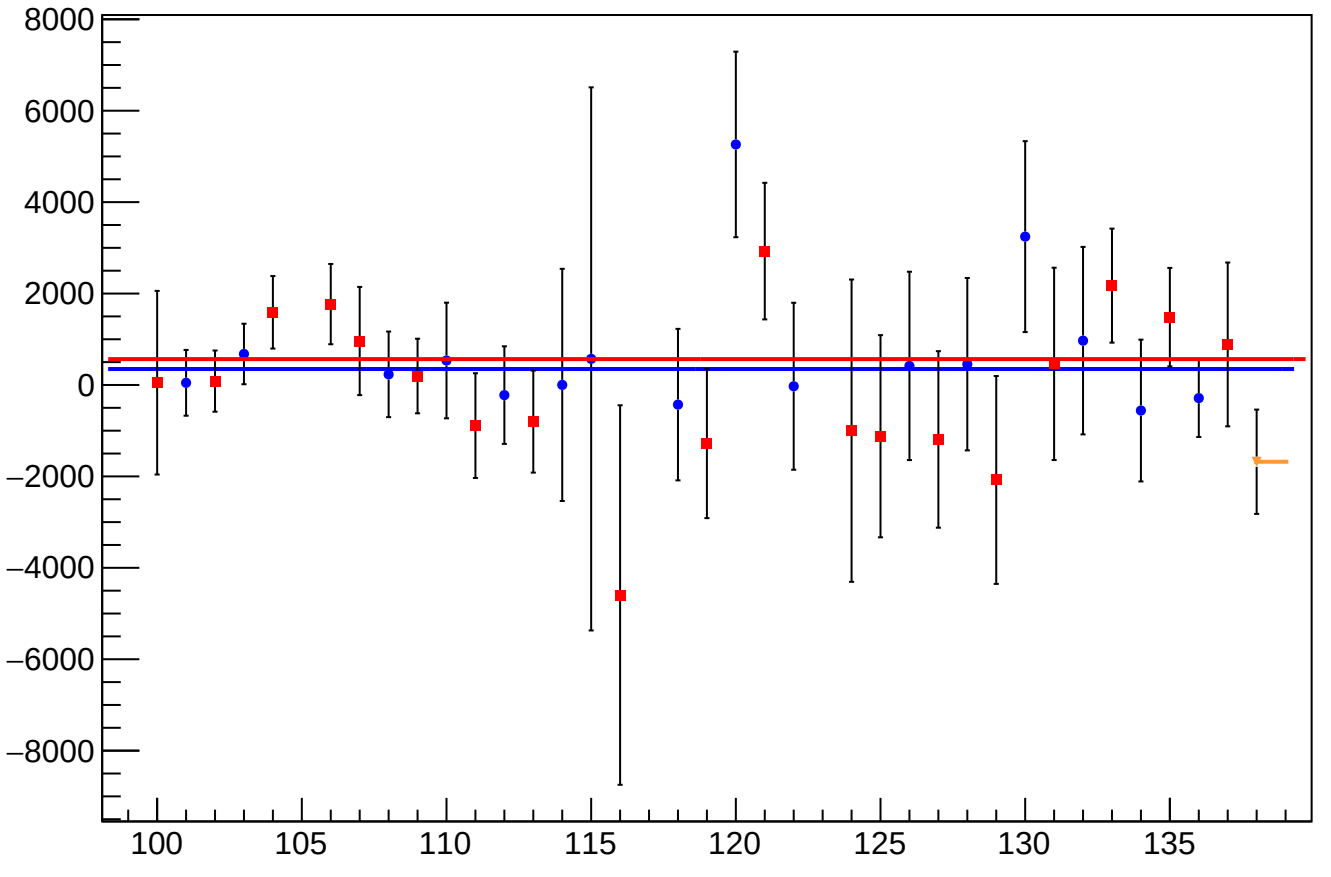
Left: 148.781+/-0.119 χ^2/NDF: 0.0/0

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 112.842+/-0.031 χ^2/NDF:872219.7/15

Out: 108.486+/-0.028 χ^2/NDF:1122890.0/19

All: 110.453+/-0.021 χ^2/NDF: 2006139.6/35



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -1679.728+/-1141.207 χ^2/NDF:0.0/0

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

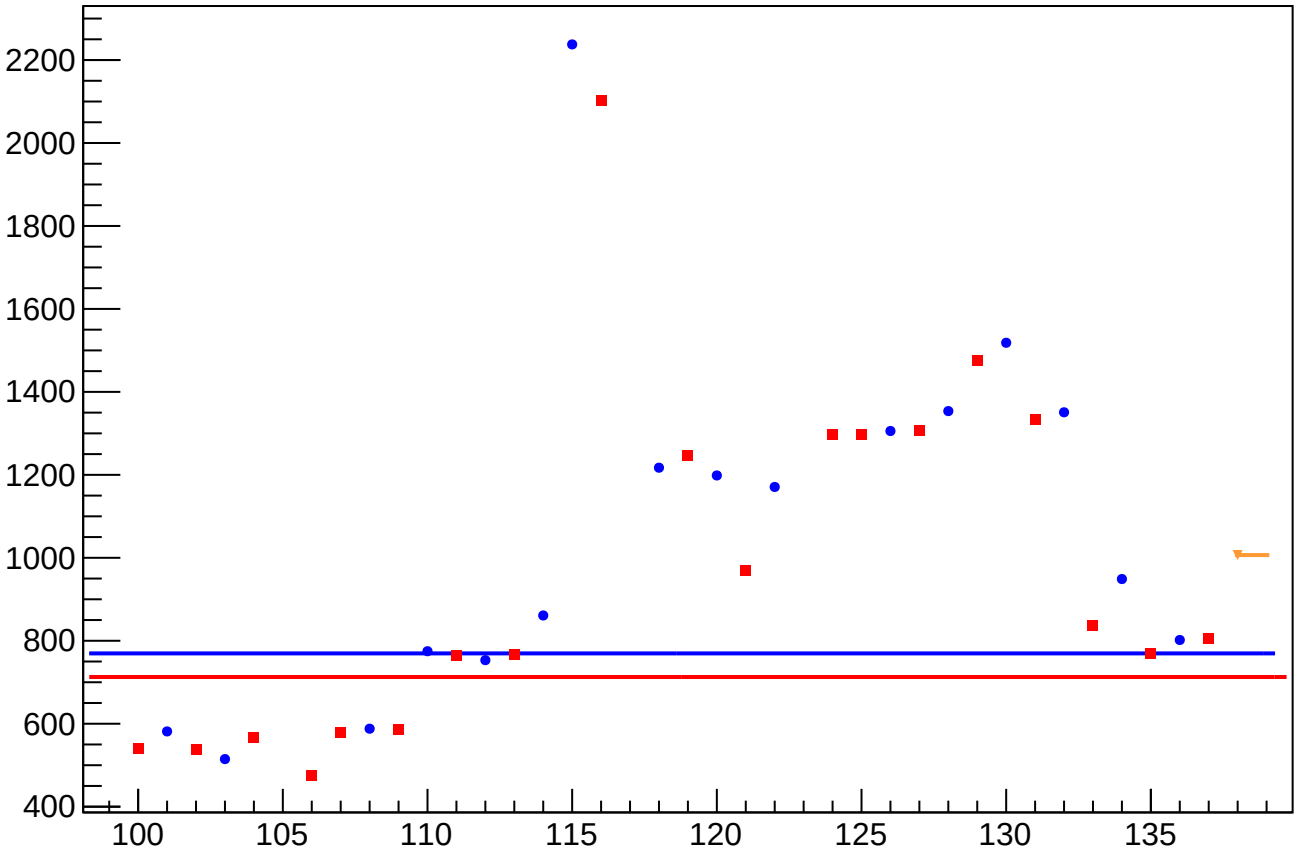
Left: -1679.728+/-1141.207 χ^2/NDF: 0.0/0

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 349.111+/-305.328 χ^2/NDF:9.8/15

Out: 439.182+/-271.218 χ^2/NDF:22.0/19

All: 399.457+/-202.772 χ^2/NDF: 31.8/35



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 1006.636+/-0.807 χ^2/NDF:0.0/0

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1006.636+/-0.807 χ^2/NDF: 0.0/0

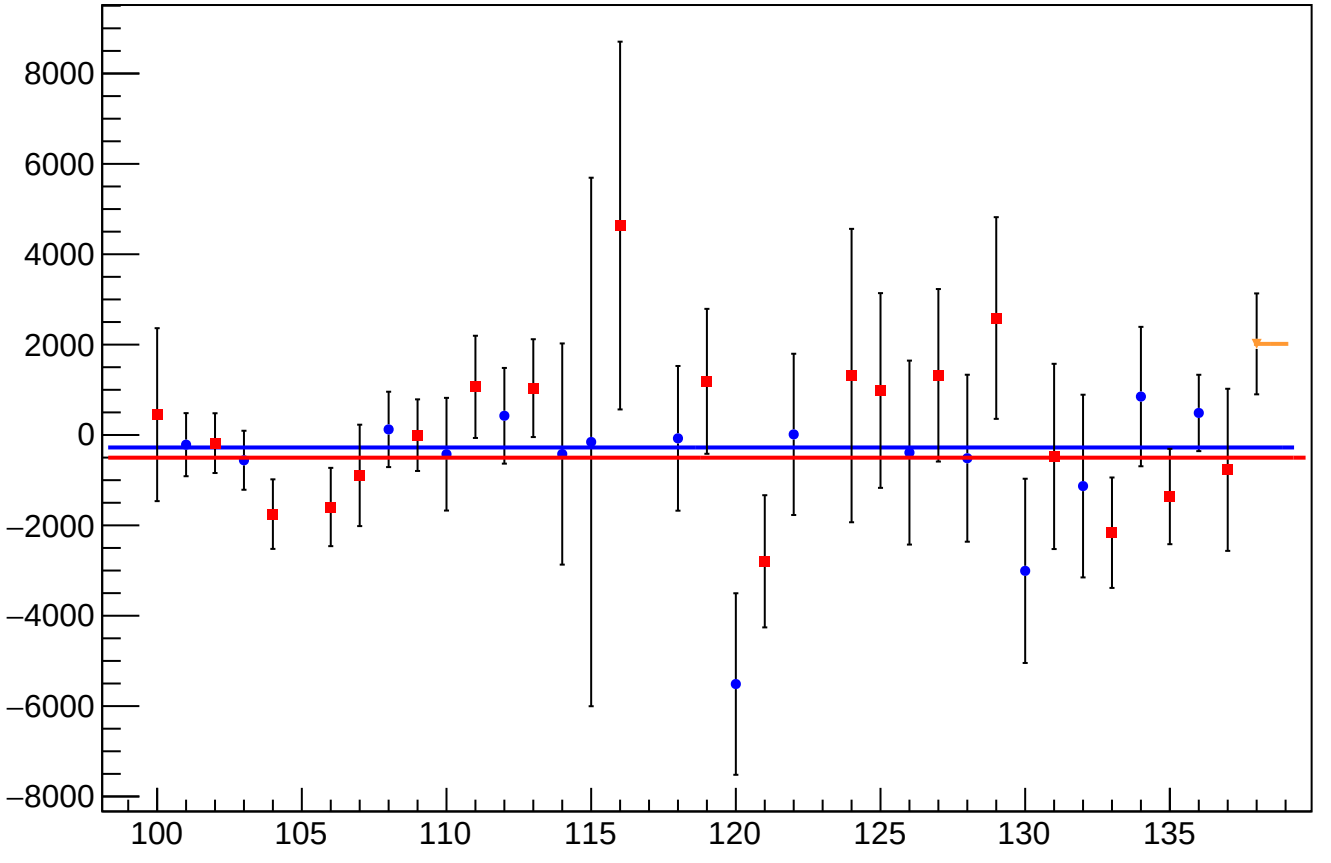
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 769.556+/-0.216 χ^2/NDF:1739933.9/15

Out: 729.234+/-0.192 χ^2/NDF:1892468.0/19

All: 747.018+/-0.143 χ^2/NDF: 3651899.2/35

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 2016.407+/-1116.832 χ^2/NDF:0.0/0

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2016.407+/-1116.832 χ^2/NDF: 0.0/0

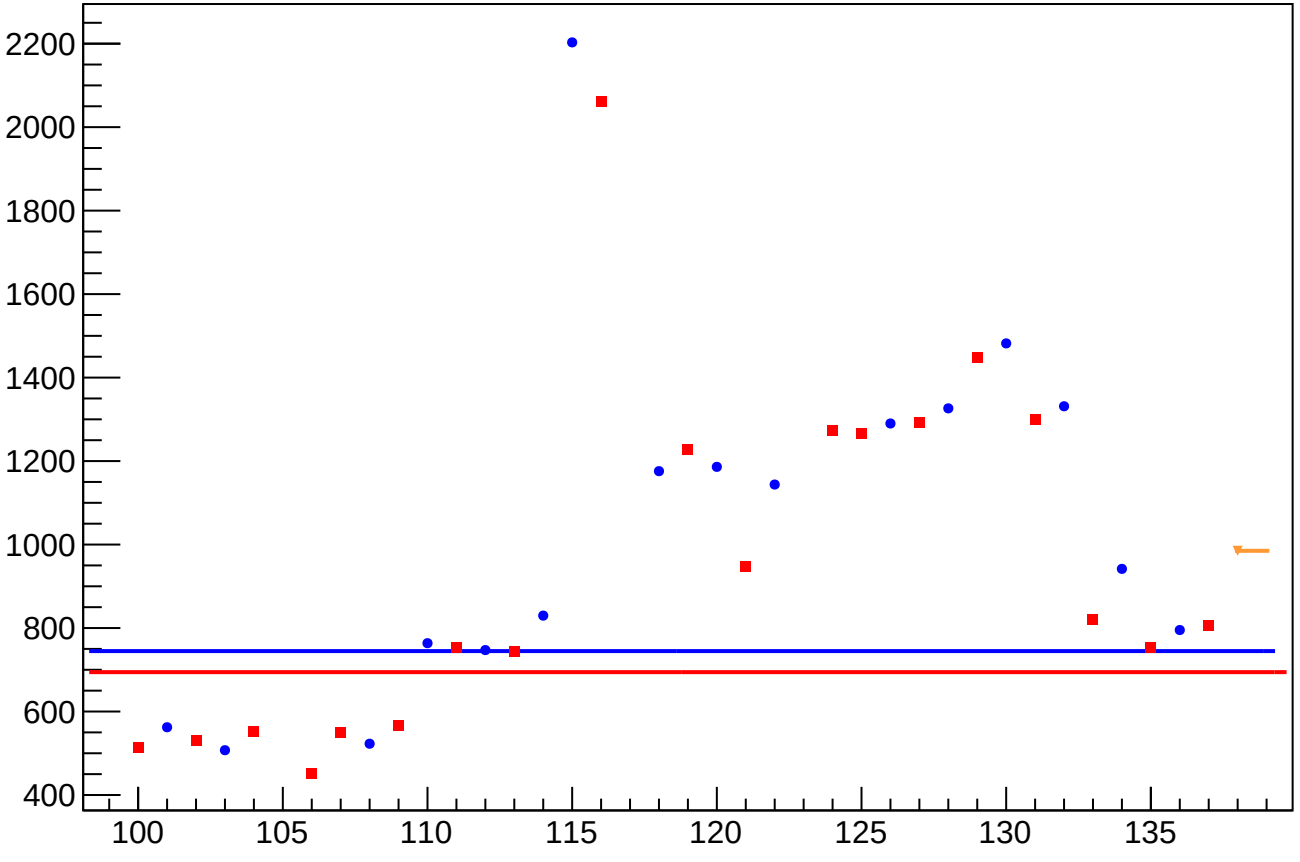
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -276.199+/-296.708 χ^2/NDF:11.1/15

Out: -360.000+/-265.184 χ^2/NDF:25.3/19

All: -322.786+/-197.722 χ^2/NDF: 36.4/35

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 985.055+/-0.790 χ^2/NDF:0.0/0

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

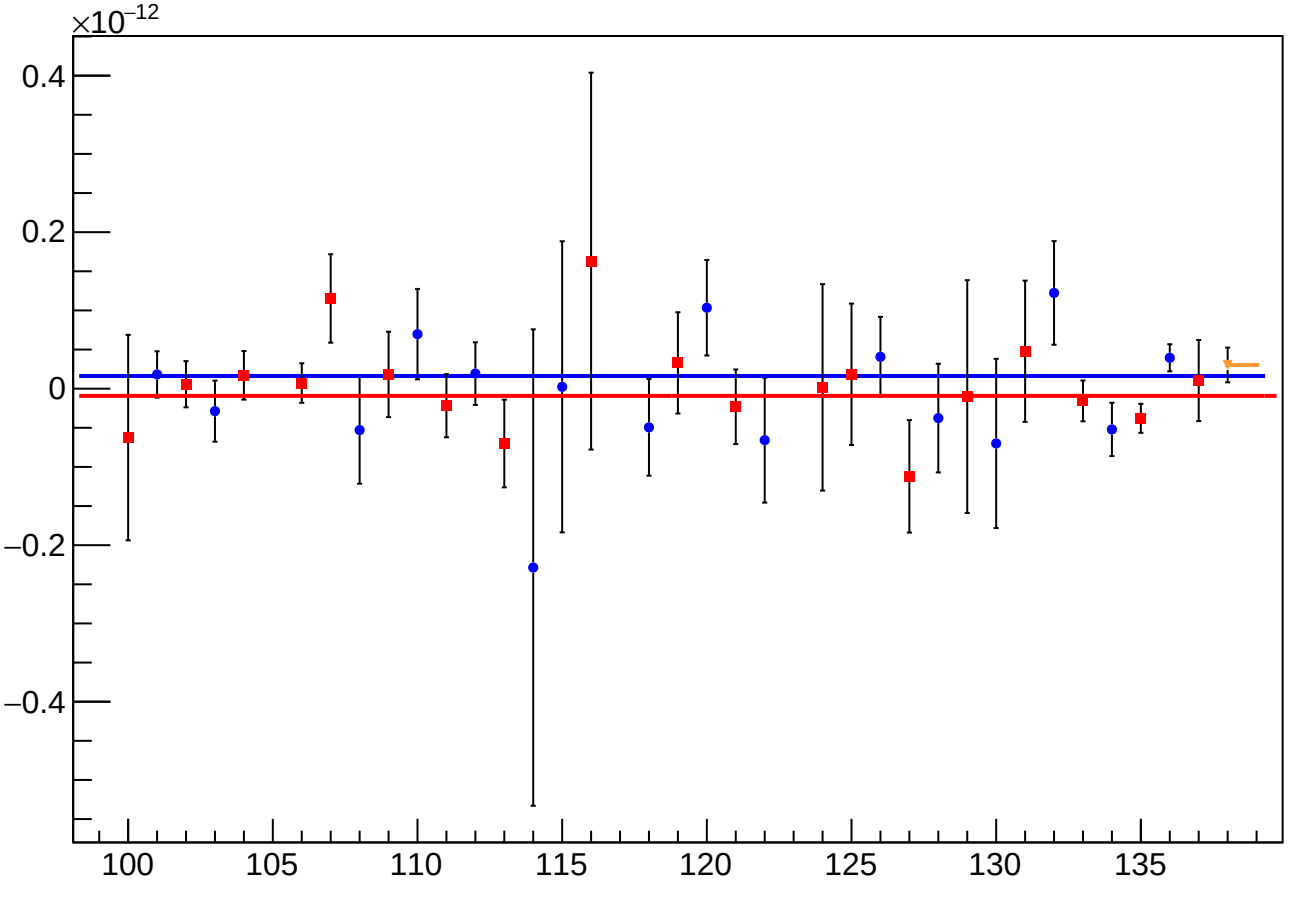
Left: 985.055+/-0.790 χ^2/NDF: 0.0/0

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 744.783+/-0.210 χ^2/NDF:1822553.5/15

Out: 710.738+/-0.188 χ^2/NDF:1931609.8/19

All: 725.856+/-0.140 χ^2/NDF: 3768801.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

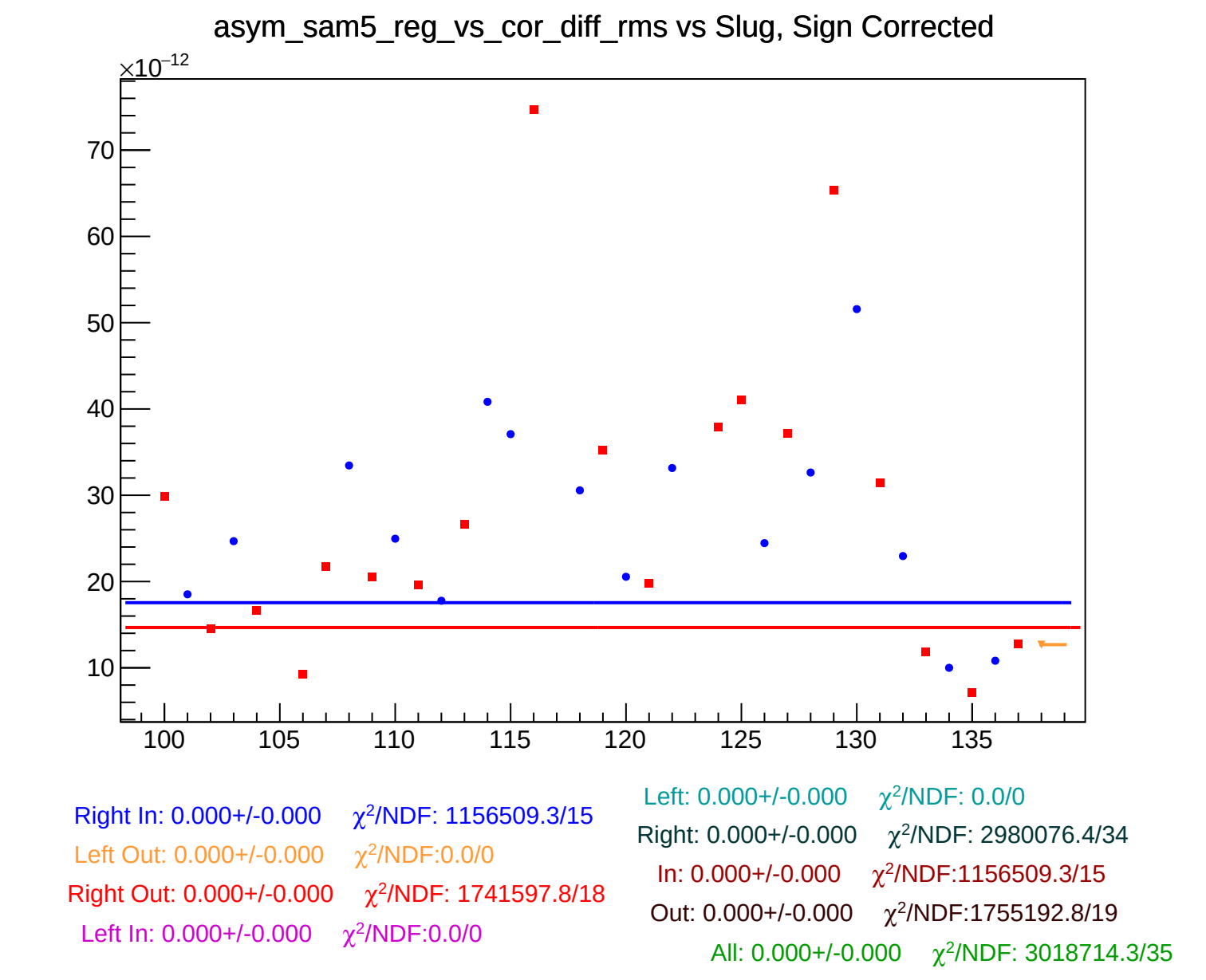
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

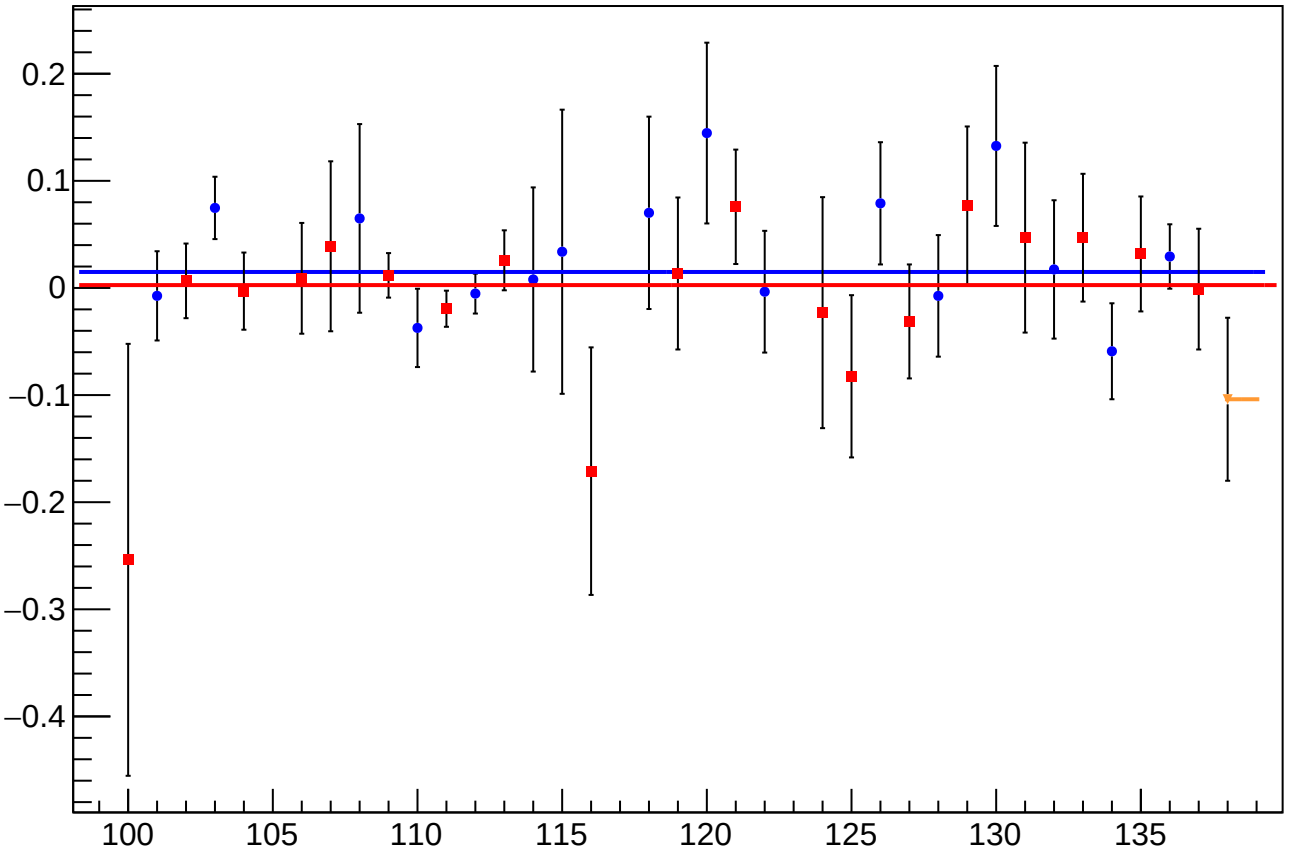
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:18.0/15

Out: -0.000+/-0.000 χ^2/NDF:16.8/19

All: 0.000+/-0.000 χ^2/NDF: 36.8/35


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1156509.3/15
Out: 0.000+/-0.000 χ²/NDF:1755192.8/19
All: 0.000+/-0.000 χ²/NDF: 3018714.3/35



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.104+/-0.076 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

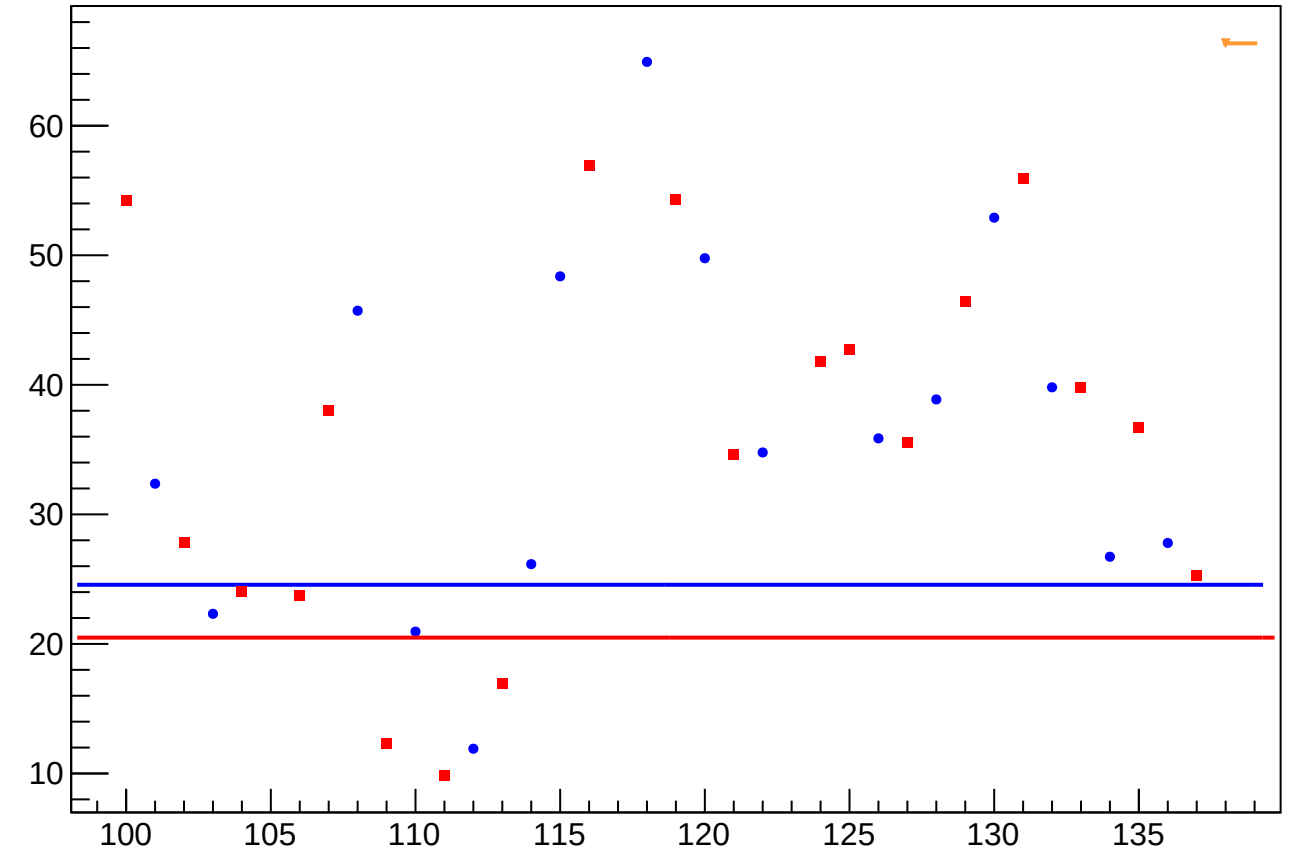
Left: -0.104+/-0.076 χ^2/NDF: 0.0/0

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.011 χ^2/NDF:17.8/15

Out: 0.001+/-0.009 χ^2/NDF:14.4/19

All: 0.007+/-0.007 χ^2/NDF: 33.1/35



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 66.358+/-0.054 χ^2/NDF:0.0/0

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 66.358+/-0.054 χ^2/NDF: 0.0/0

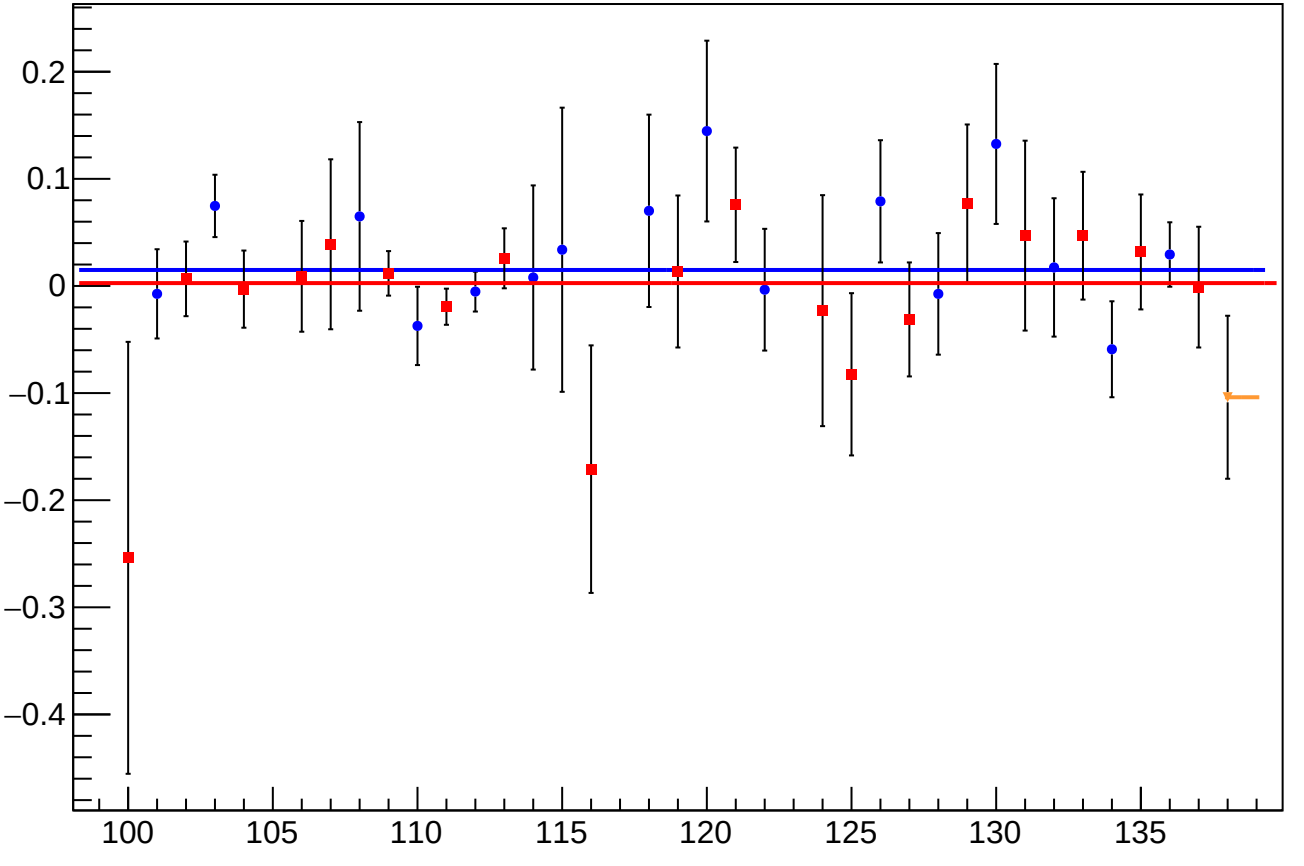
Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 24.566+/-0.007 χ^2/NDF:2484530.5/15

Out: 21.152+/-0.006 χ^2/NDF:4300246.2/19

All: 22.614+/-0.005 χ^2/NDF: 6903701.3/35

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.104+/-0.076 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.104+/-0.076 χ^2/NDF: 0.0/0

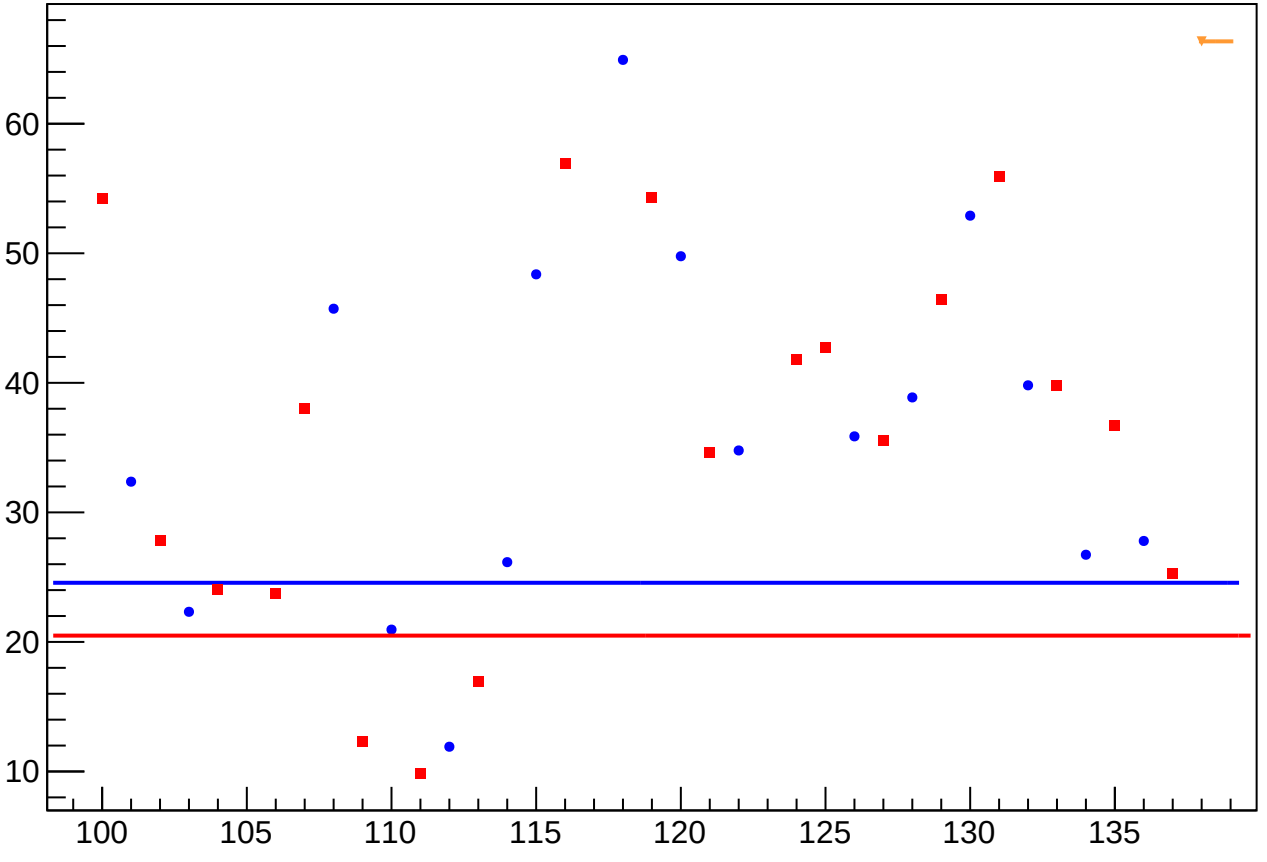
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.011 χ^2/NDF:17.8/15

Out: 0.001+/-0.009 χ^2/NDF:14.4/19

All: 0.007+/-0.007 χ^2/NDF: 33.1/35

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 66.358+/-0.054 χ^2/NDF:0.0/0

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

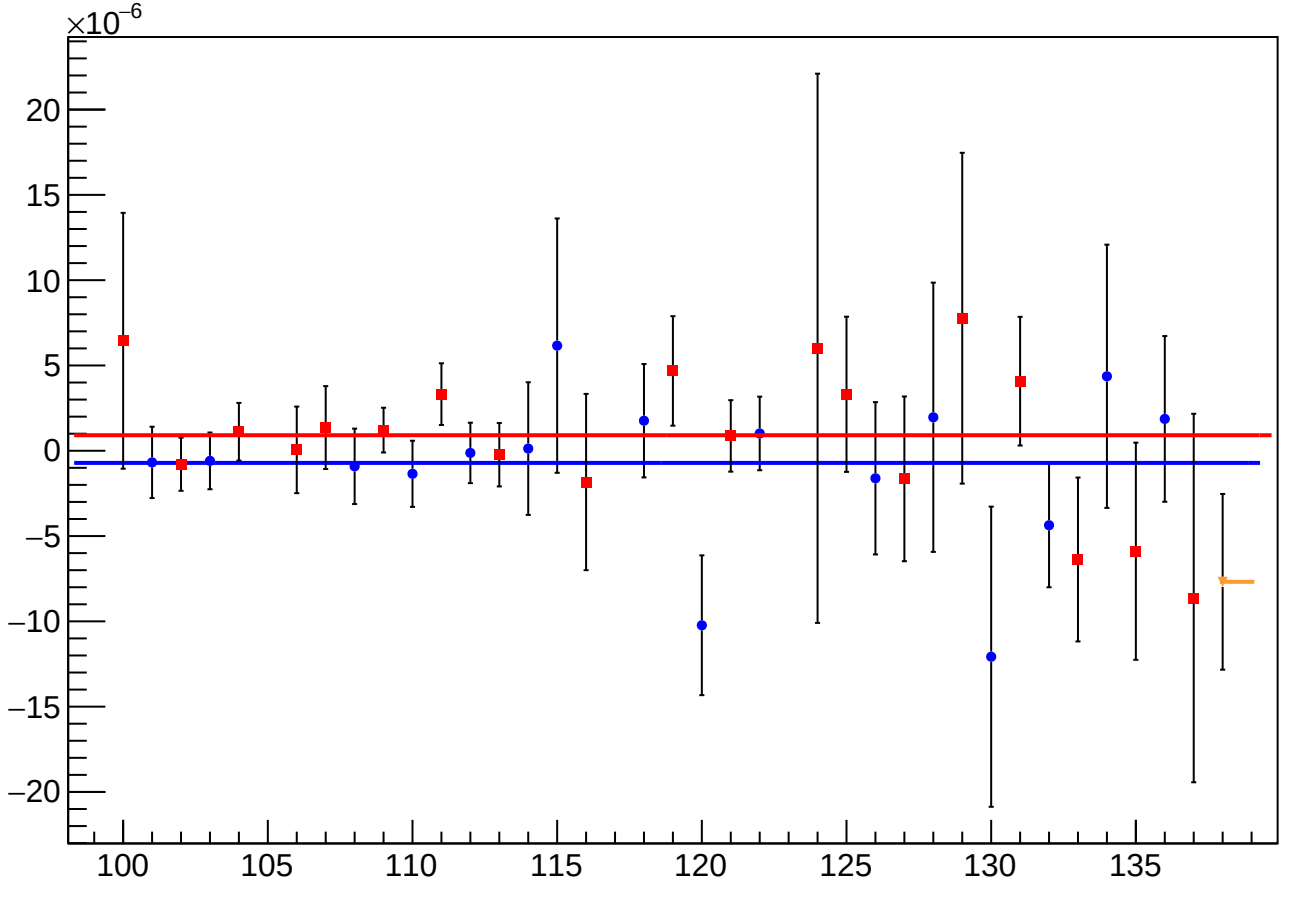
Left: 66.358+/-0.054 χ^2/NDF: 0.0/0

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 24.566+/-0.007 χ^2/NDF:2484530.5/15

Out: 21.152+/-0.006 χ^2/NDF:4300246.2/19

All: 22.614+/-0.005 χ^2/NDF: 6903701.3/35



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

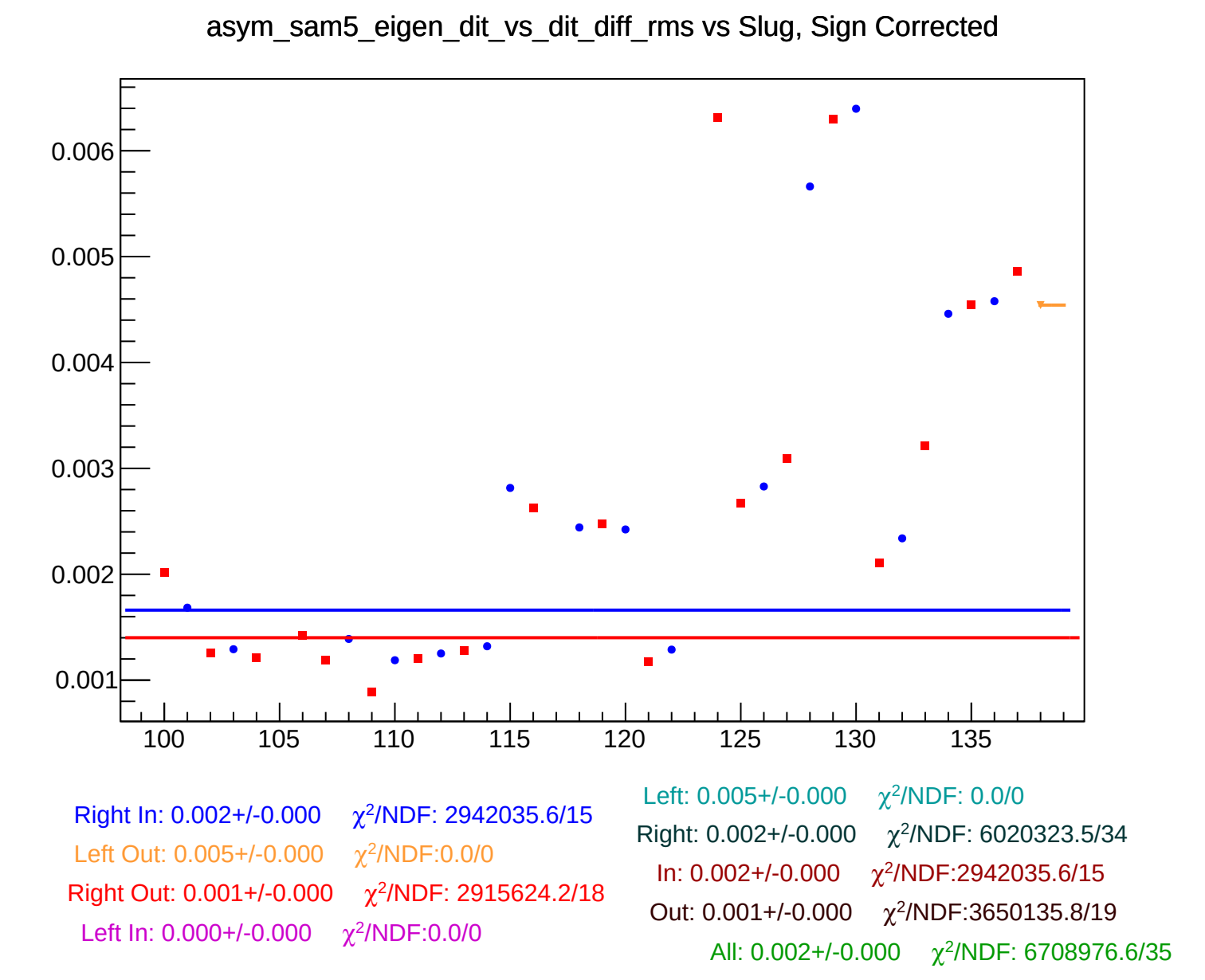
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

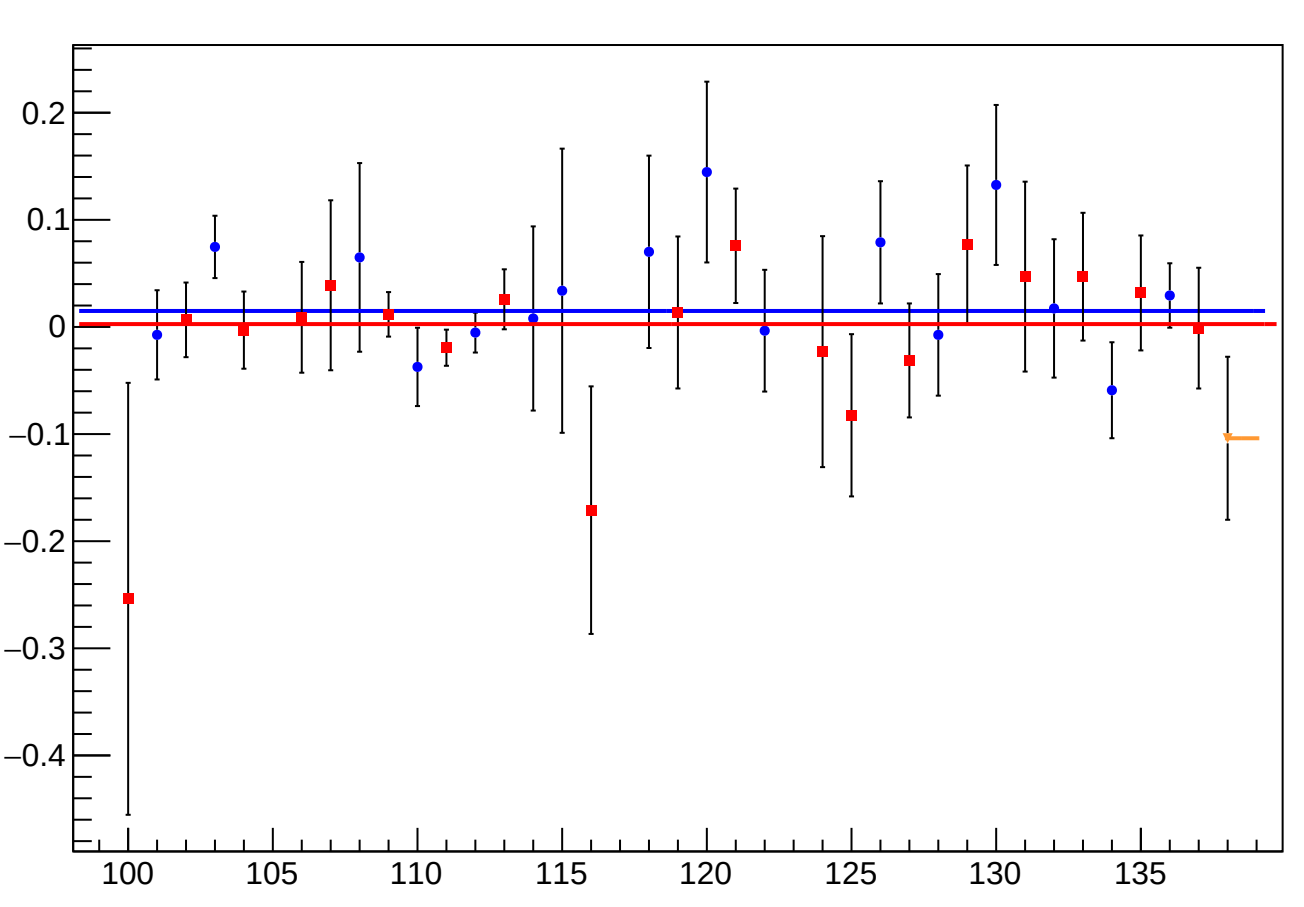
Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:11.3/15

Out: 0.000+/-0.000 χ^2/NDF:14.6/19

All: 0.000+/-0.000 χ^2/NDF: 28.6/35


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
Right In: 0.002+/-0.000 χ²/NDF: 2942035.6/15
Left Out: 0.005+/-0.000 χ²/NDF:0.0/0
Right Out: 0.001+/-0.000 χ²/NDF: 2915624.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.005+/-0.000 χ²/NDF: 0.0/0
Right: 0.002+/-0.000 χ²/NDF: 6020323.5/34
In: 0.002+/-0.000 χ²/NDF:2942035.6/15
Out: 0.001+/-0.000 χ²/NDF:3650135.8/19
All: 0.002+/-0.000 χ²/NDF: 6708976.6/35



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.104+/-0.076 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

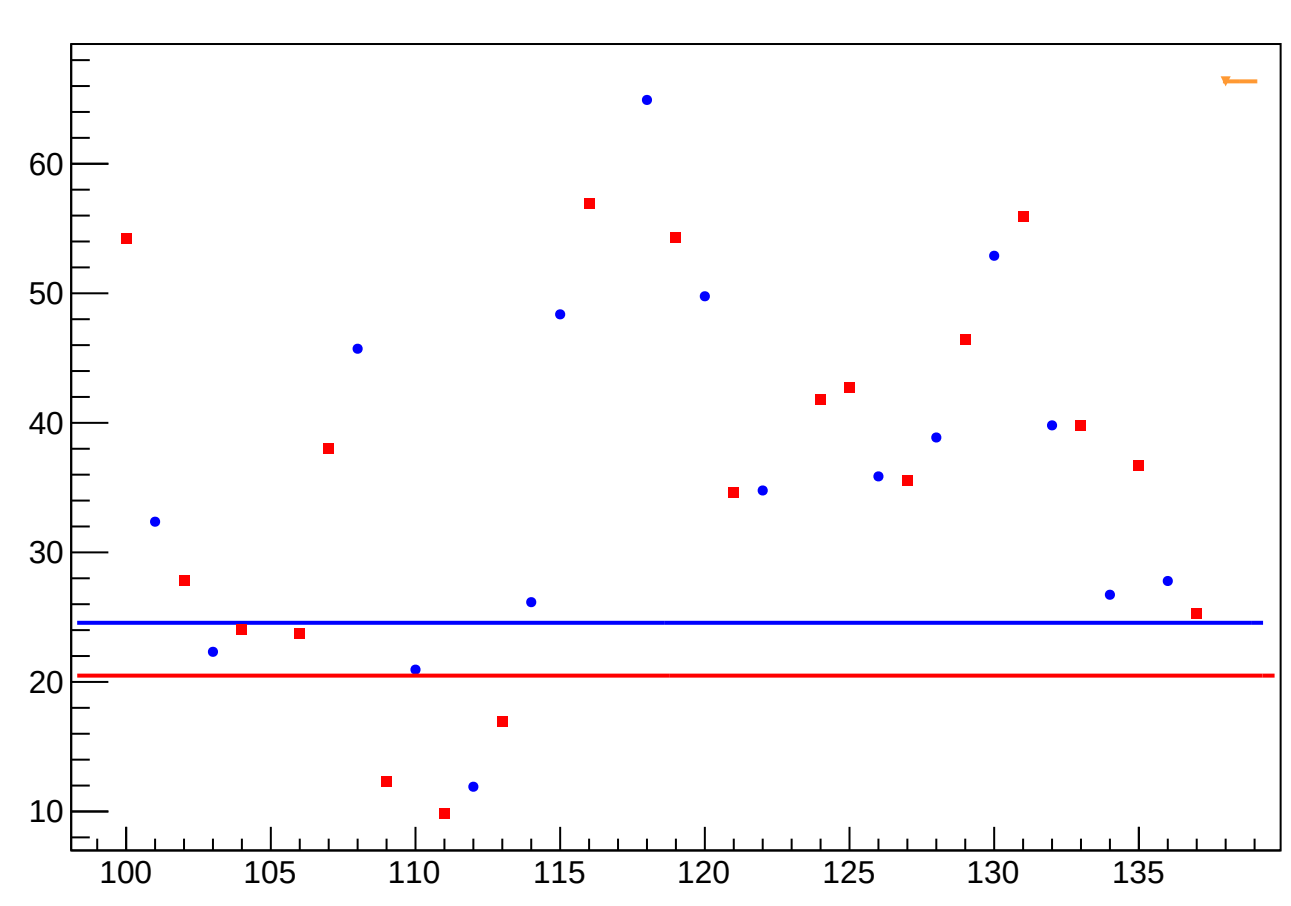
Left: -0.104+/-0.076 χ^2/NDF: 0.0/0

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.011 χ^2/NDF:17.8/15

Out: 0.001+/-0.009 χ^2/NDF:14.4/19

All: 0.007+/-0.007 χ^2/NDF: 33.1/35



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 66.361+/-0.054 χ^2/NDF:0.0/0

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 66.361+/-0.054 χ^2/NDF: 0.0/0

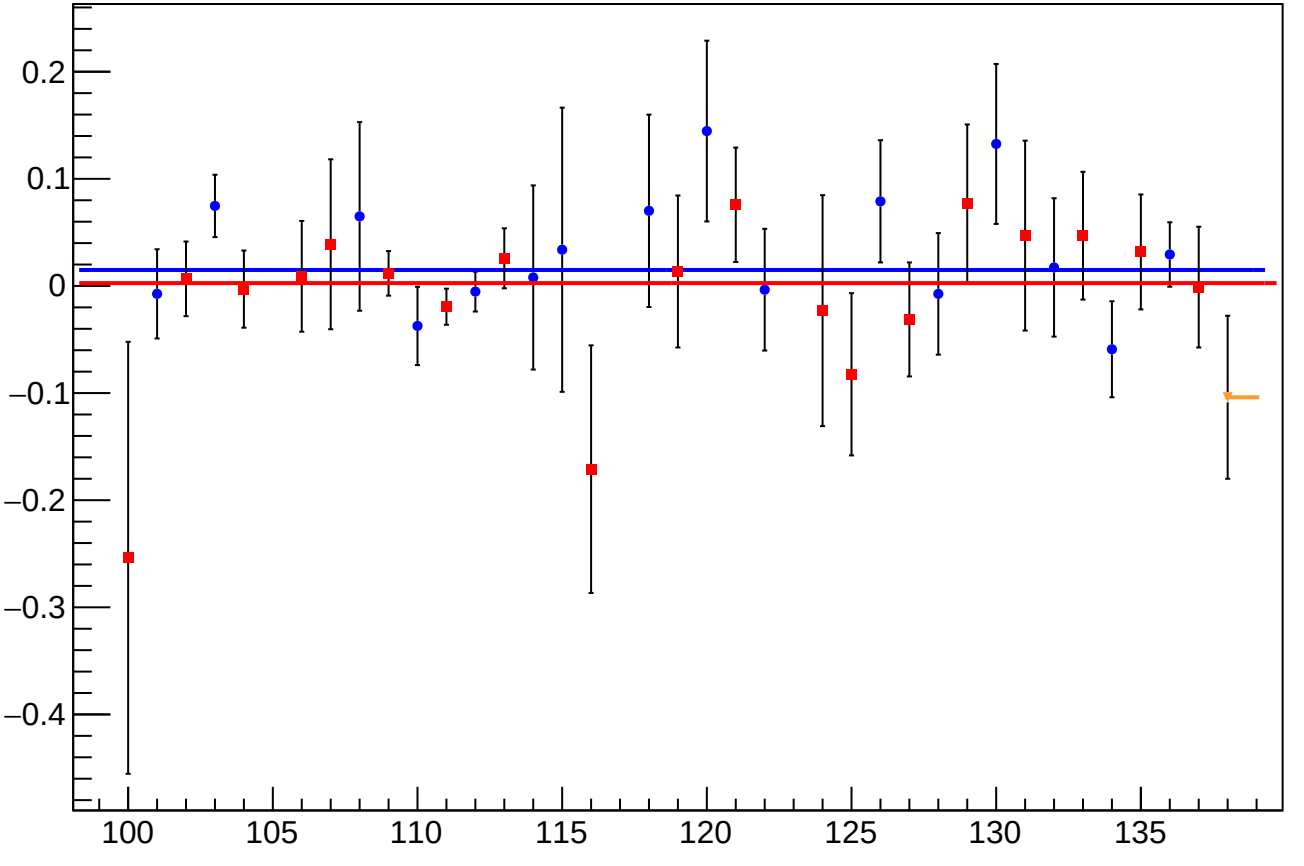
Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 24.566+/-0.007 χ^2/NDF:2484434.5/15

Out: 21.152+/-0.006 χ^2/NDF:4300241.5/19

All: 22.613+/-0.005 χ^2/NDF: 6903609.8/35

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.104+/-0.076 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

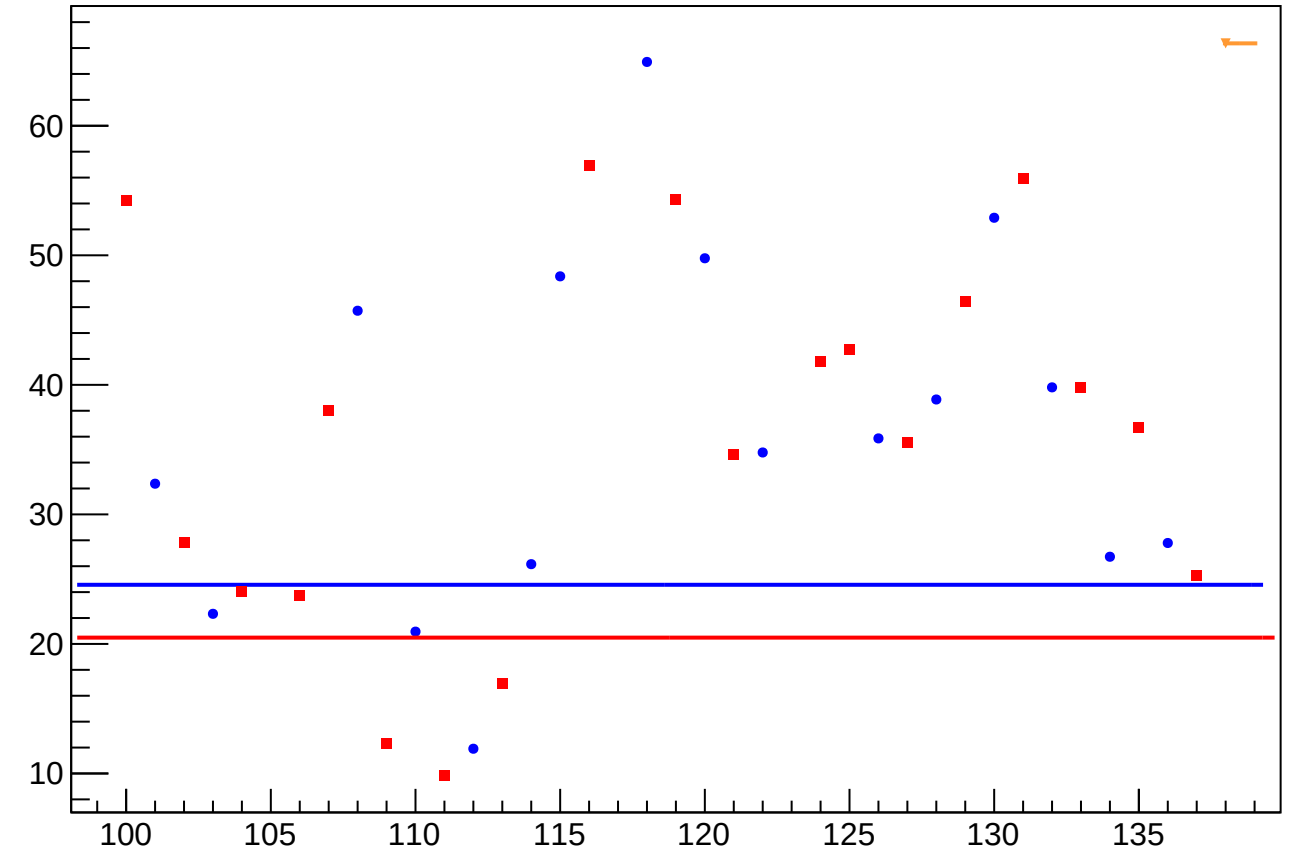
Left: -0.104+/-0.076 χ^2/NDF: 0.0/0

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.011 χ^2/NDF:17.8/15

Out: 0.001+/-0.009 χ^2/NDF:14.4/19

All: 0.007+/-0.007 χ^2/NDF: 33.1/35



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 66.361+/-0.054 χ^2/NDF:0.0/0

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

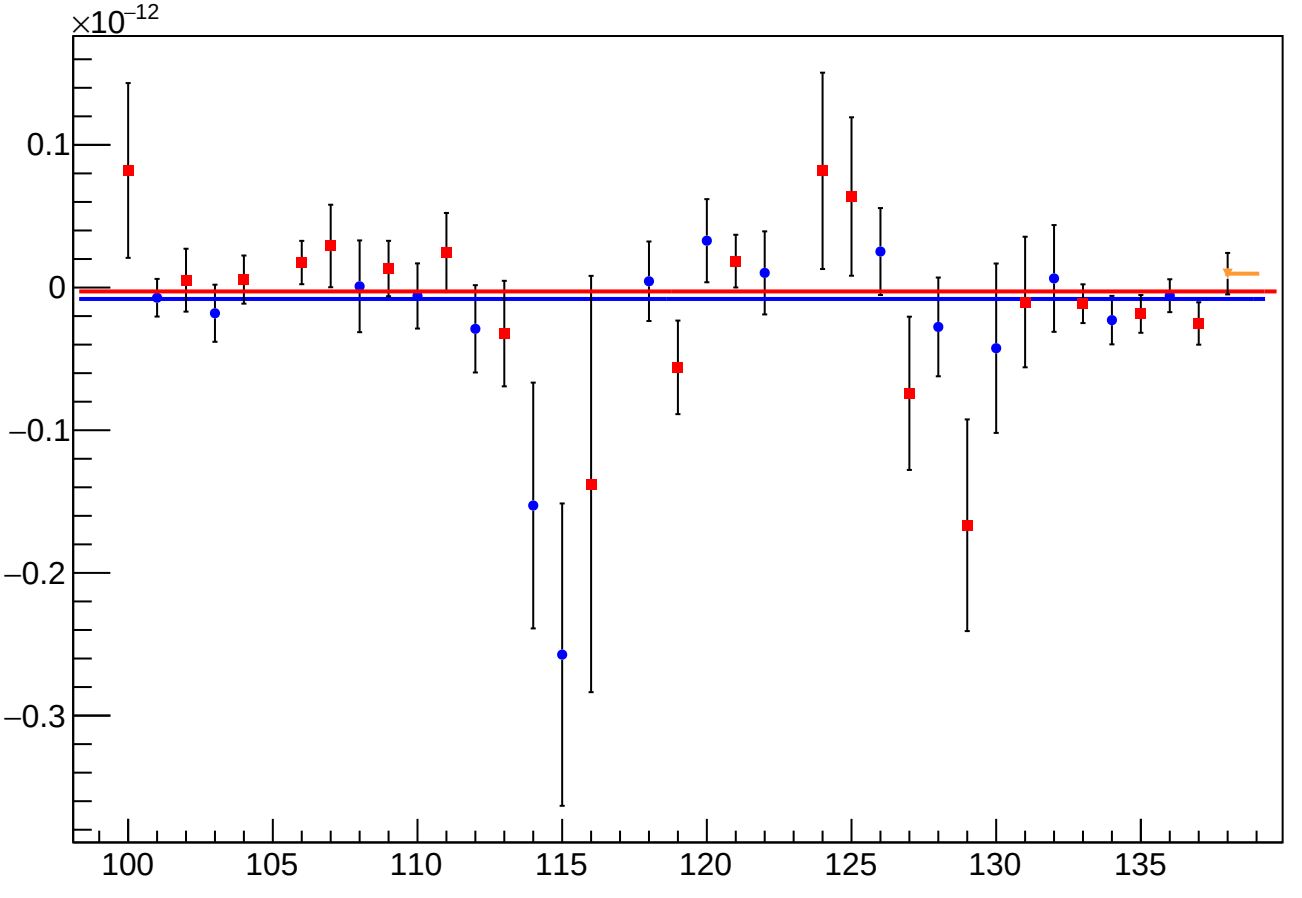
Left: 66.361+/-0.054 χ^2/NDF: 0.0/0

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 24.566+/-0.007 χ^2/NDF:2484434.5/15

Out: 21.152+/-0.006 χ^2/NDF:4300241.5/19

All: 22.613+/-0.005 χ^2/NDF: 6903609.8/35



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

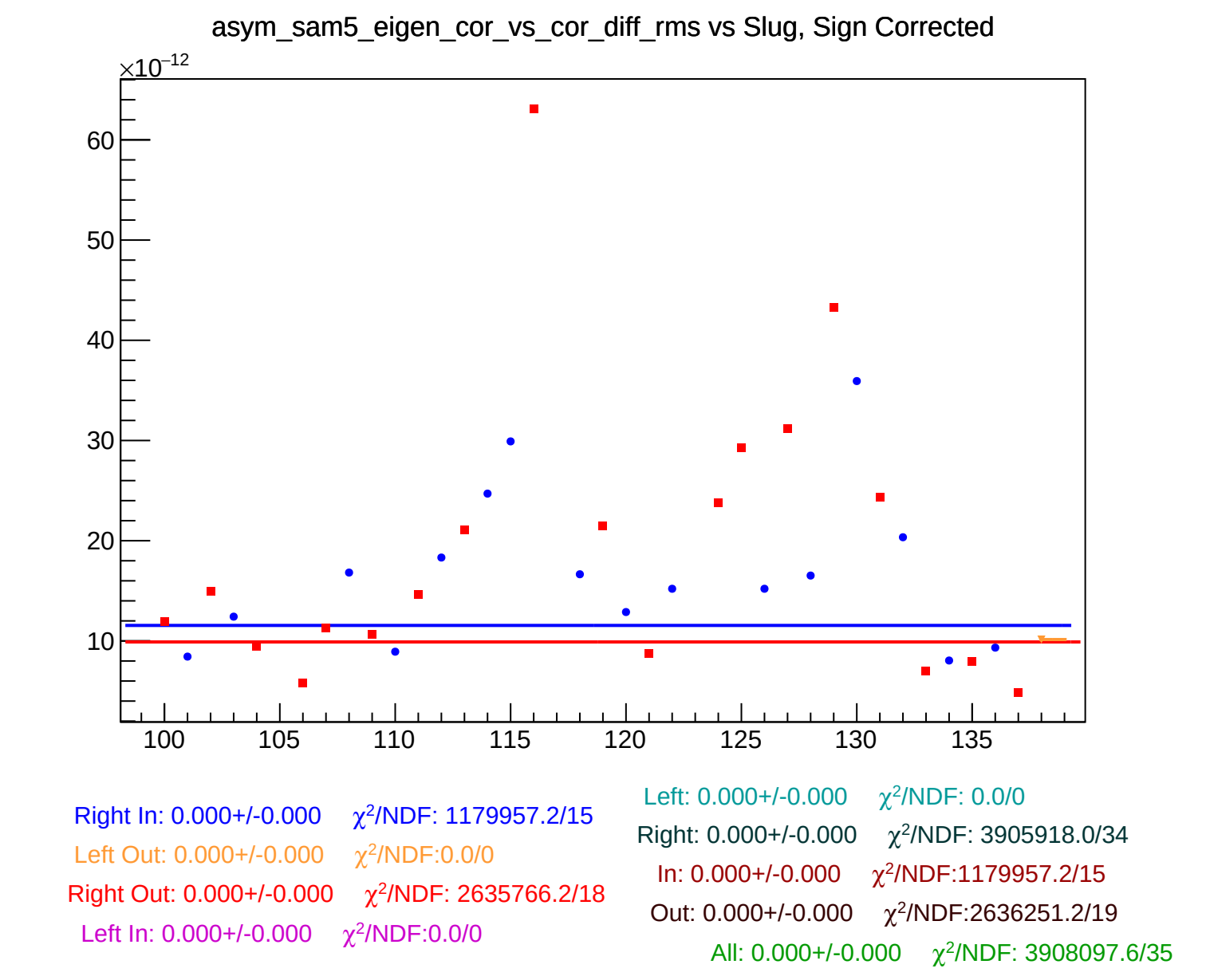
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

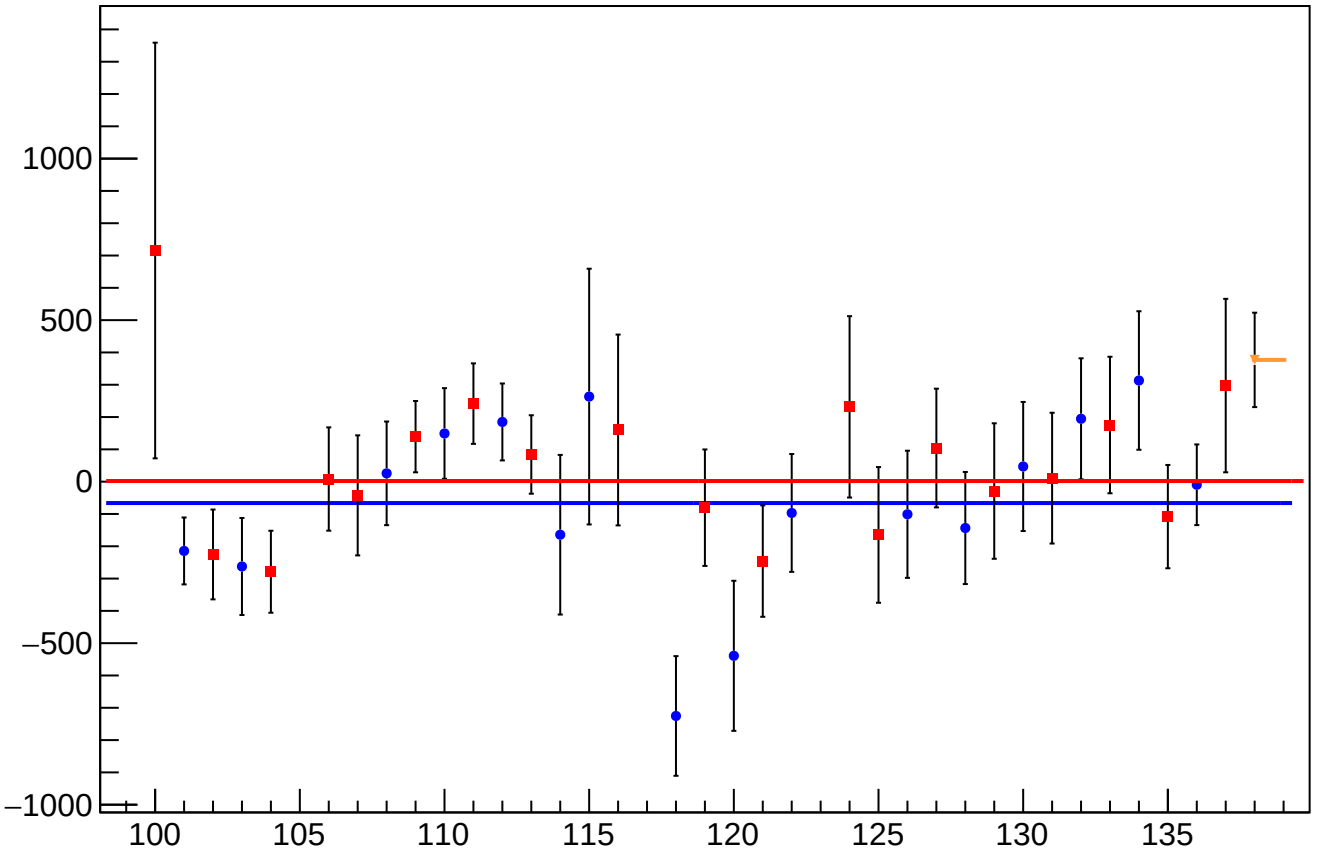
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:14.5/15

Out: -0.000+/-0.000 χ^2/NDF:26.7/19

All: -0.000+/-0.000 χ^2/NDF: 42.0/35


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
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
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: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1179957.2/15
Out: 0.000+/-0.000 χ²/NDF:2636251.2/19
All: 0.000+/-0.000 χ²/NDF: 3908097.6/35



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 376.924+/-146.135 χ^2/NDF:0.0/0

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 376.924+/-146.135 χ^2/NDF: 0.0/0

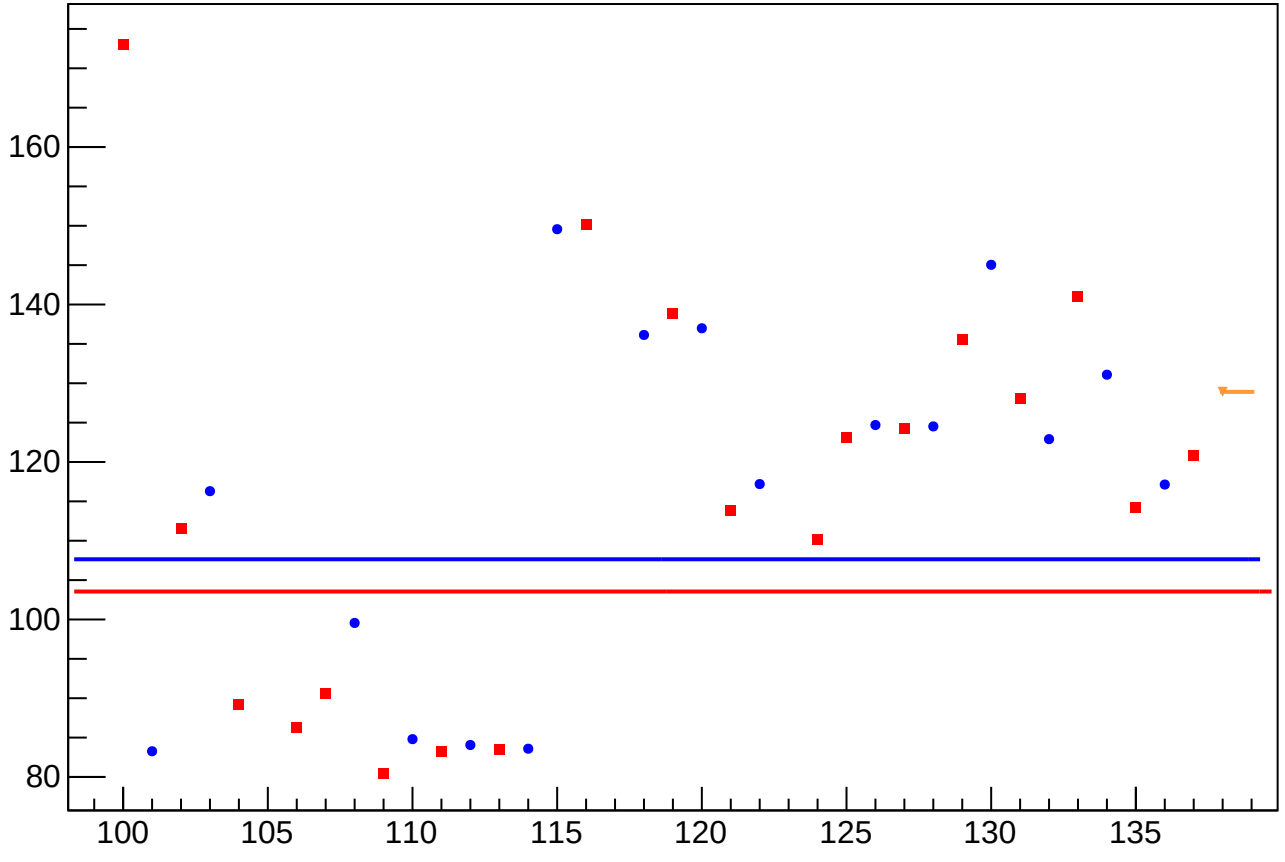
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: -66.230+/-40.937 χ^2/NDF:34.4/15

Out: 26.785+/-37.561 χ^2/NDF:27.3/19

All: -15.729+/-27.676 χ^2/NDF: 64.5/35

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 128.910+/-0.103 χ^2/NDF:0.0/0

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

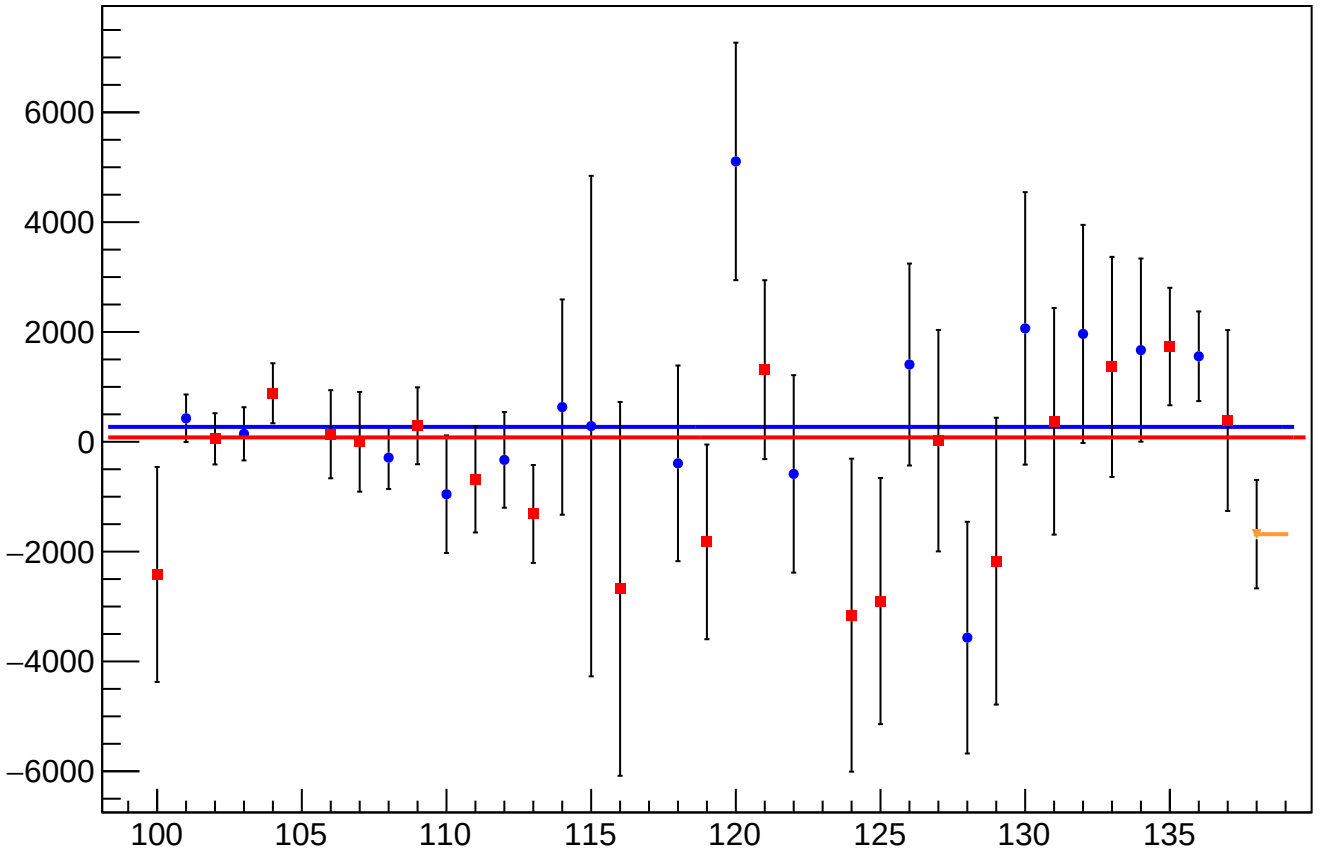
Left: 128.910+/-0.103 χ^2/NDF: 0.0/0

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 107.644+/-0.029 χ^2/NDF:532821.7/15

Out: 105.225+/-0.027 χ^2/NDF:673596.5/19

All: 106.331+/-0.020 χ^2/NDF: 1210209.9/35



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: -1682.596+/-986.981 χ^2/NDF:0.0/0

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

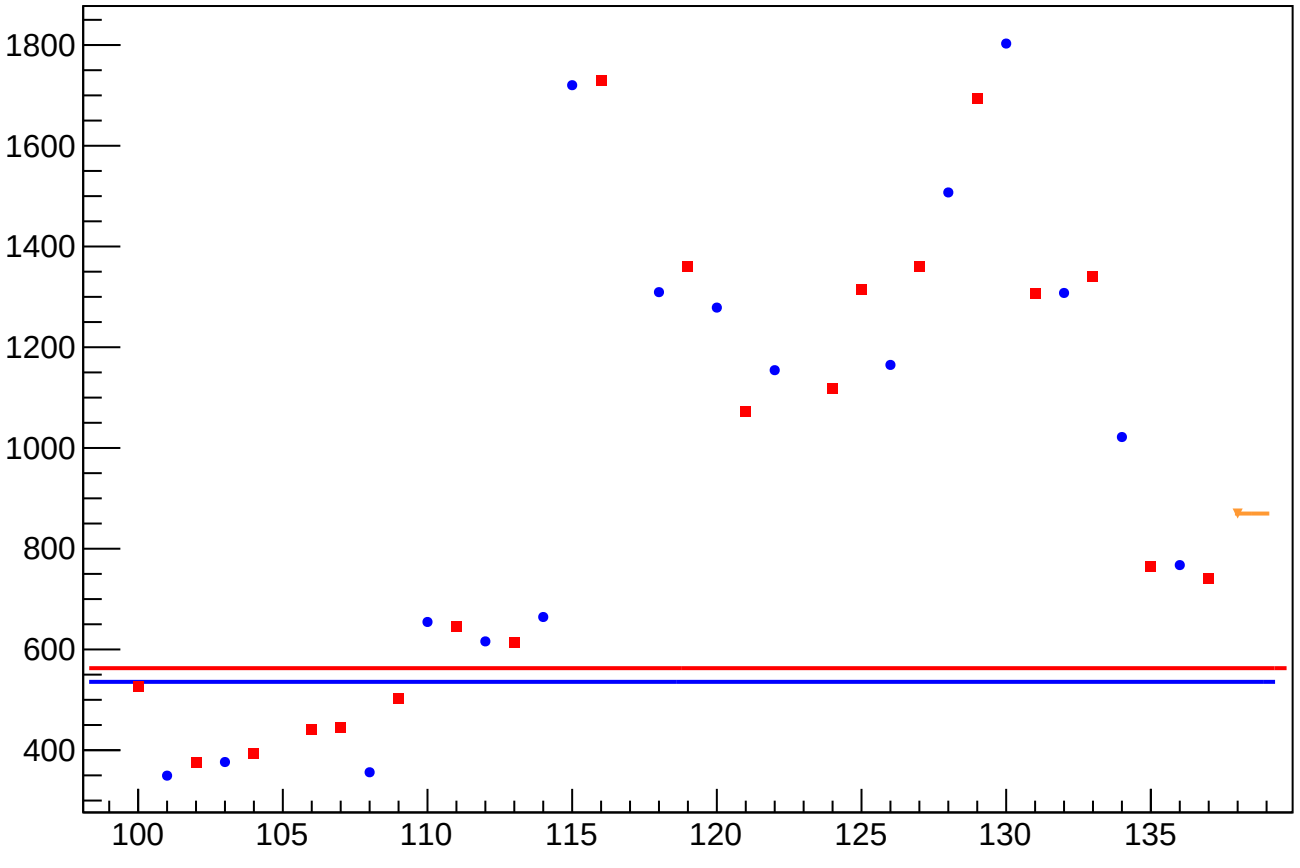
Left: -1682.596+/-986.981 χ^2/NDF: 0.0/0

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 271.505+/-230.663 χ^2/NDF:16.5/15

Out: -12.317+/-225.987 χ^2/NDF:19.0/19

All: 126.688+/-161.425 χ^2/NDF: 36.3/35



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 869.812+/-0.698 χ^2/NDF:0.0/0

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 869.812+/-0.698 χ^2/NDF: 0.0/0

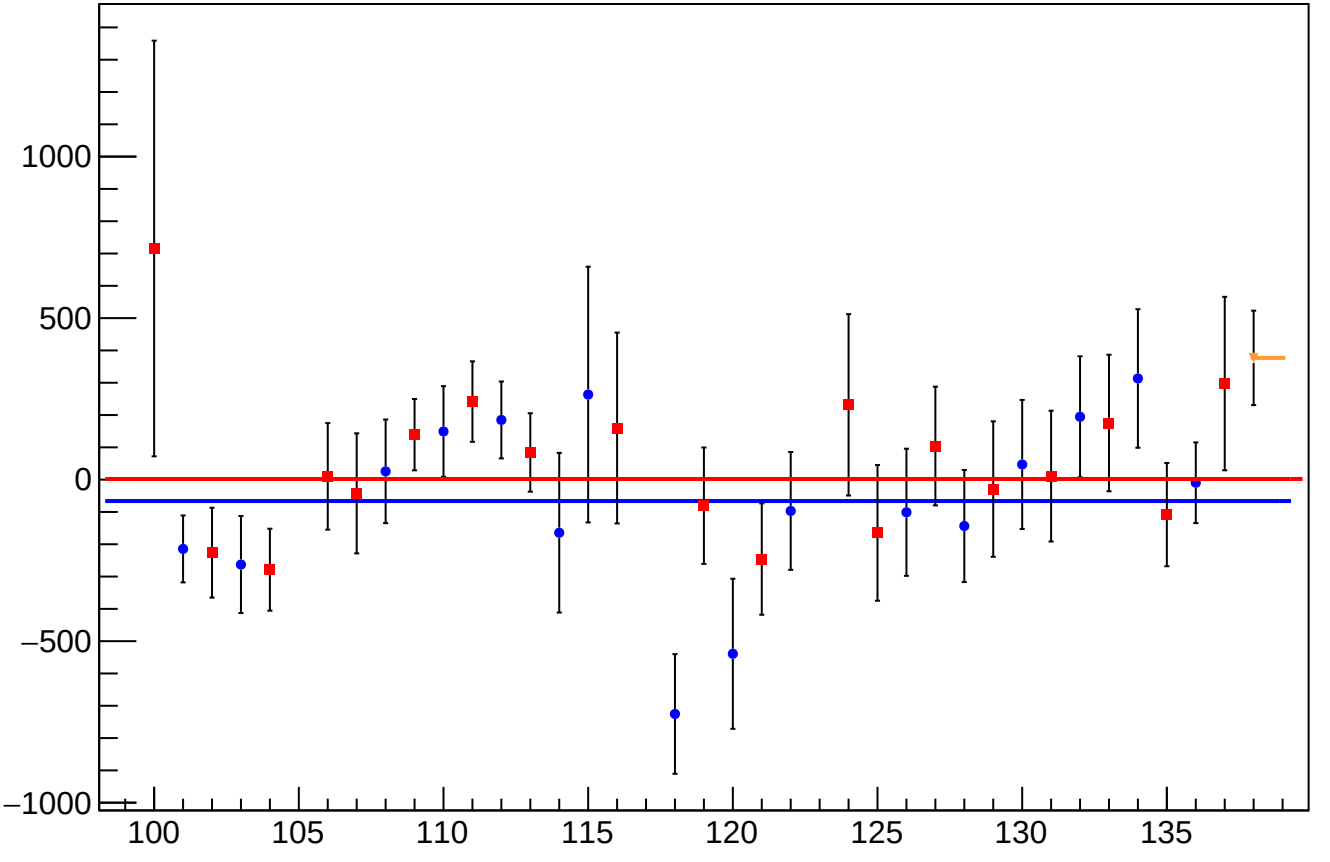
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 535.683+/-0.163 χ^2/NDF:3632390.5/15

Out: 578.938+/-0.160 χ^2/NDF:3294351.3/19

All: 557.753+/-0.114 χ^2/NDF: 6962627.1/35

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 376.922+/-146.135 χ^2/NDF:0.0/0

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 376.922+/-146.135 χ^2/NDF: 0.0/0

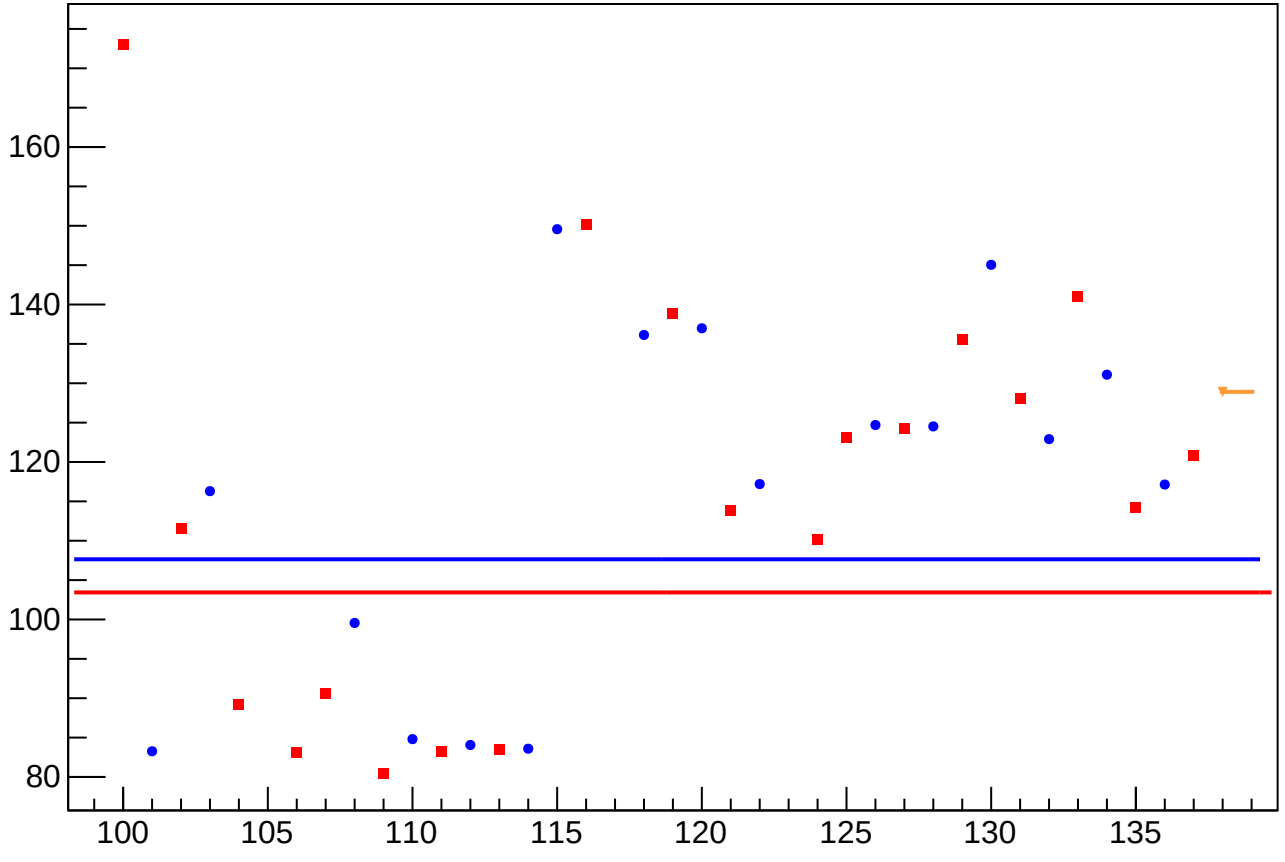
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: -66.256+/-40.937 χ^2/NDF:34.4/15

Out: 26.910+/-37.624 χ^2/NDF:27.3/19

All: -15.751+/-27.701 χ^2/NDF: 64.5/35

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 128.910+/-0.103 χ^2/NDF:0.0/0

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

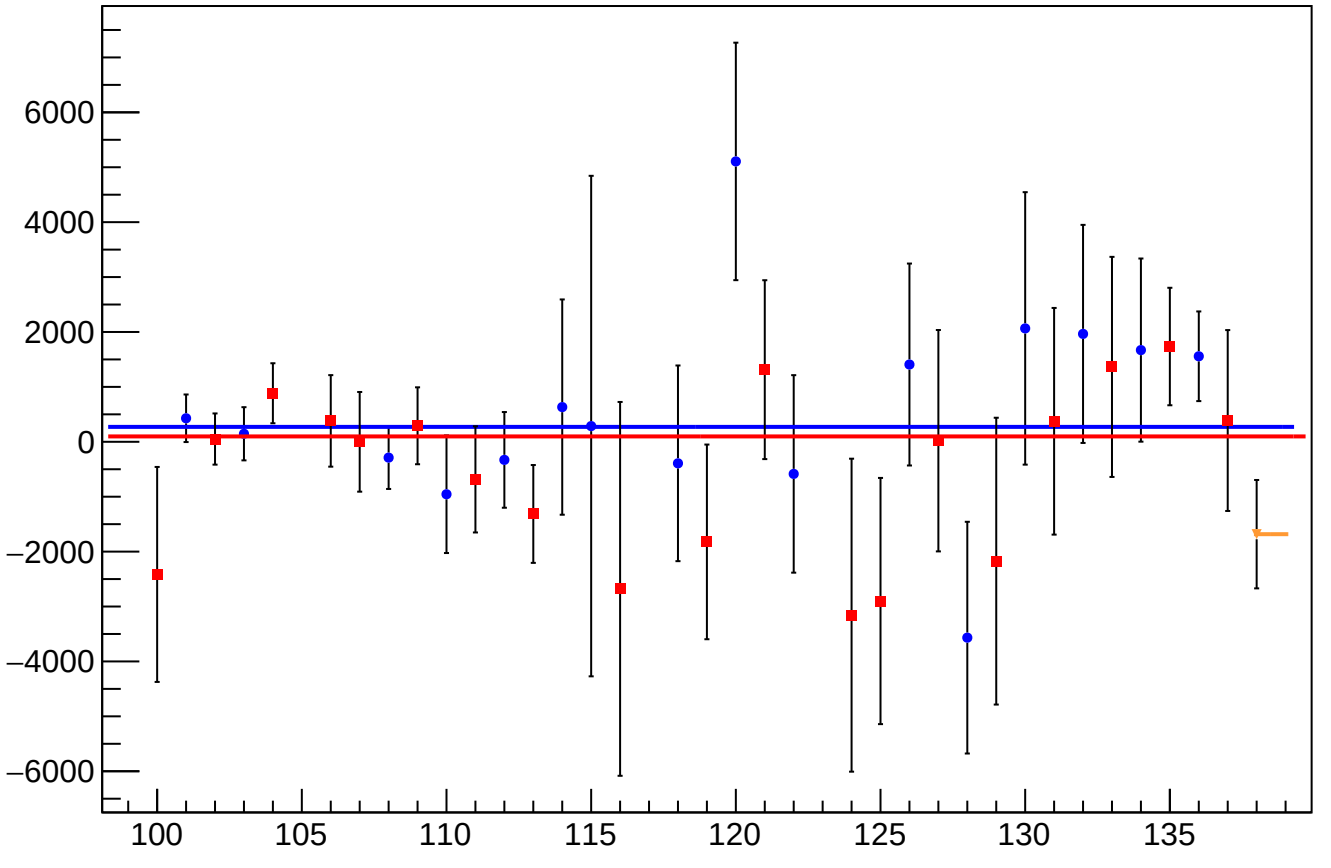
Left: 128.910+/-0.103 χ^2/NDF: 0.0/0

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 107.644+/-0.029 χ^2/NDF:532822.8/15

Out: 105.126+/-0.027 χ^2/NDF:681486.4/19

All: 106.279+/-0.020 χ^2/NDF: 1218411.3/35



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: -1682.578+/-986.982 χ^2/NDF:0.0/0

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1682.578+/-986.982 χ^2/NDF: 0.0/0

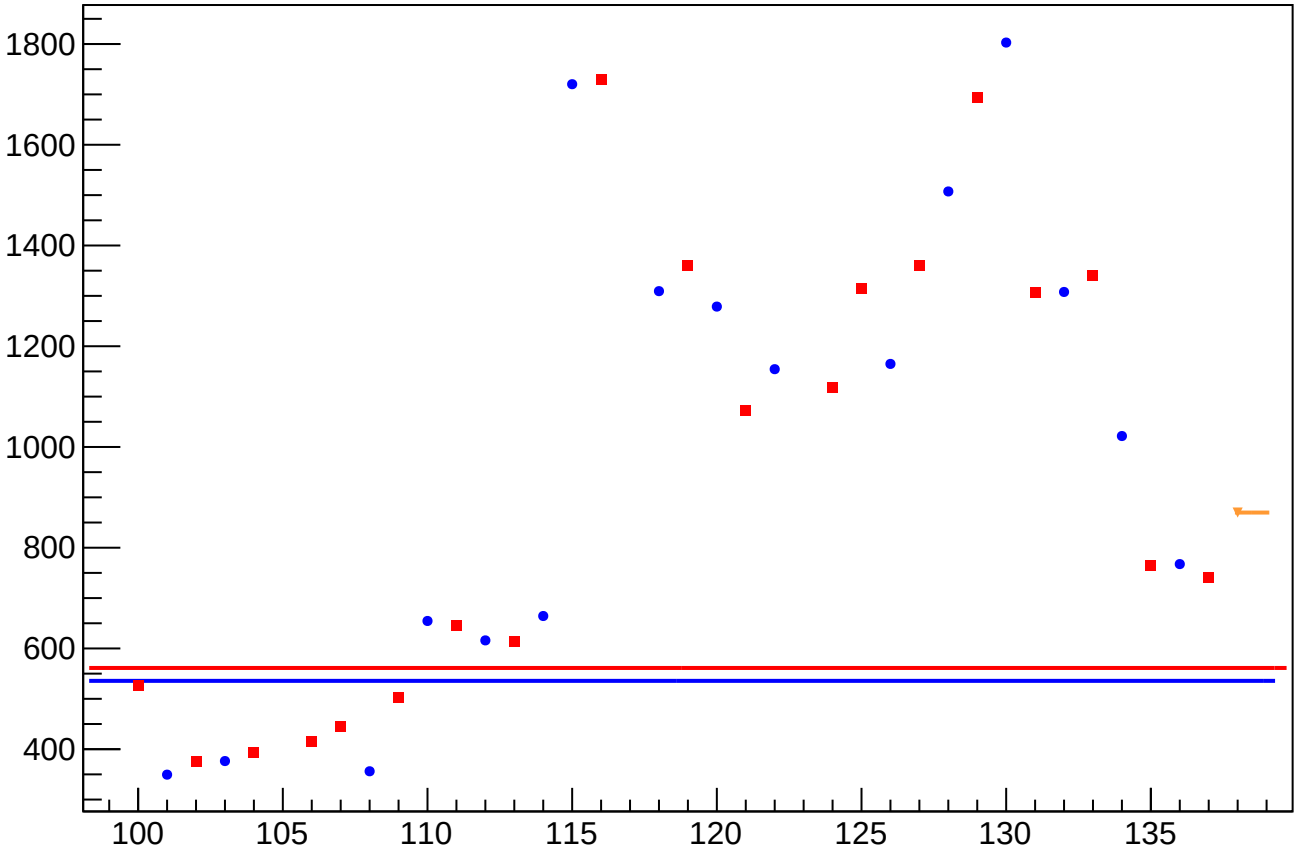
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 271.645+/-230.655 χ^2/NDF:16.5/15

Out: 4.028+/-226.565 χ^2/NDF:19.2/19

All: 135.442+/-161.632 χ^2/NDF: 36.4/35

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 869.813+/-0.698 χ^2/NDF:0.0/0

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

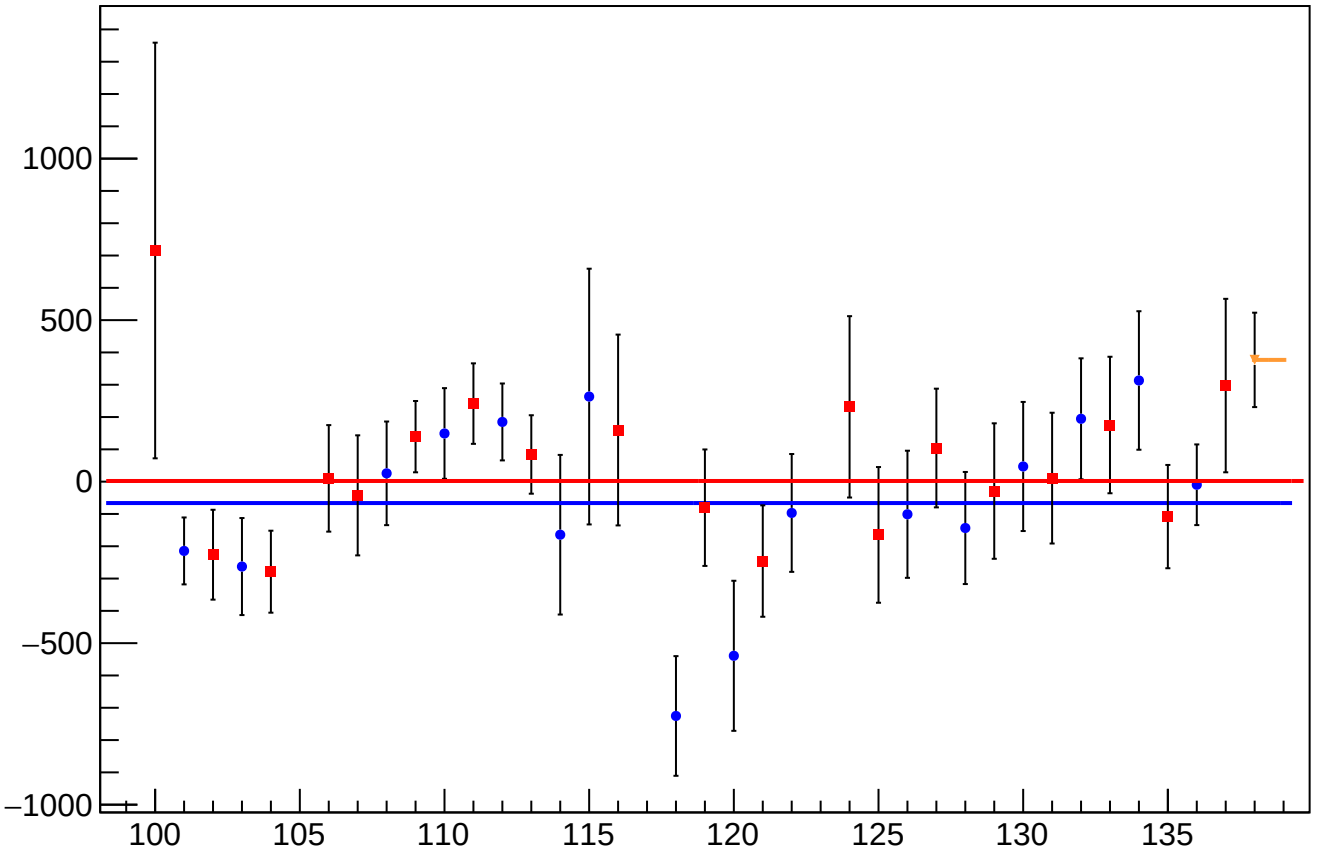
Left: 869.813+/-0.698 χ^2/NDF: 0.0/0

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 535.661+/-0.163 χ^2/NDF:3632591.0/15

Out: 577.528+/-0.160 χ^2/NDF:3315915.4/19

All: 556.969+/-0.114 χ^2/NDF: 6982042.4/35



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 376.922+/-146.135 χ^2/NDF:0.0/0

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

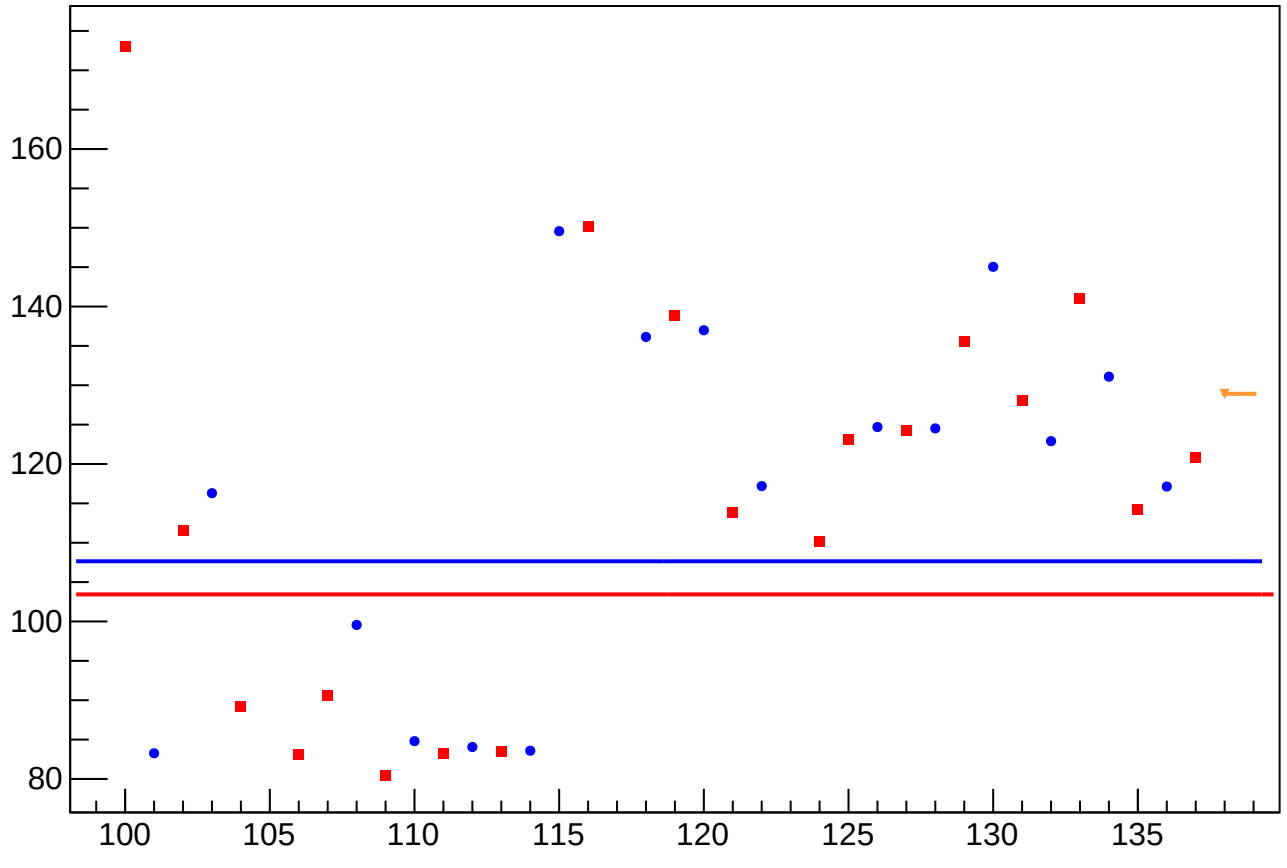
Left: 376.922+/-146.135 χ^2/NDF: 0.0/0

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: -66.256+/-40.937 χ^2/NDF:34.4/15

Out: 26.910+/-37.624 χ^2/NDF:27.3/19

All: -15.751+/-27.701 χ^2/NDF: 64.5/35



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 128.910+/-0.103 χ^2/NDF:0.0/0

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

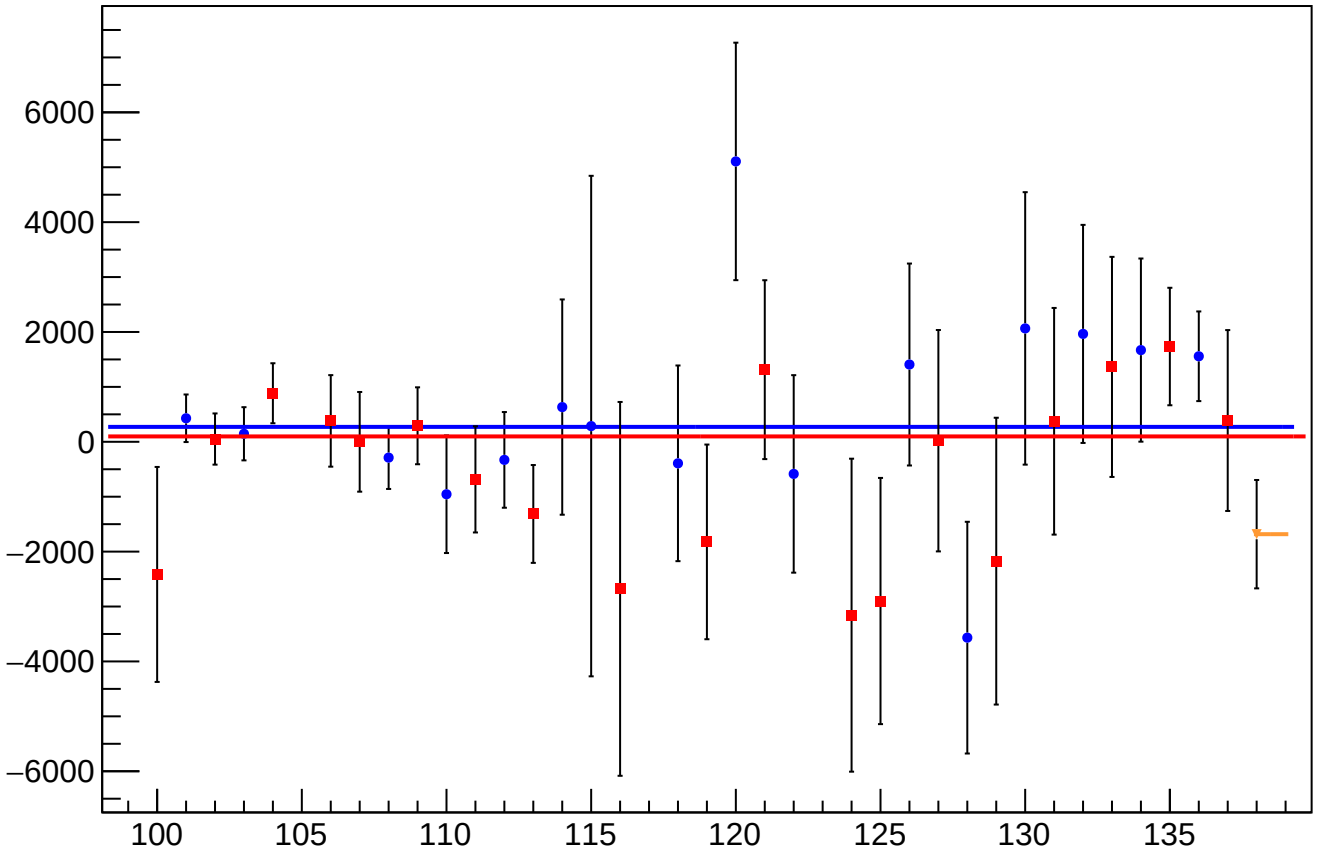
Left: 128.910+/-0.103 χ^2/NDF: 0.0/0

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 107.644+/-0.029 χ^2/NDF:532822.8/15

Out: 105.126+/-0.027 χ^2/NDF:681486.4/19

All: 106.279+/-0.020 χ^2/NDF: 1218411.3/35



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: -1682.578+/-986.982 χ^2/NDF:0.0/0

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

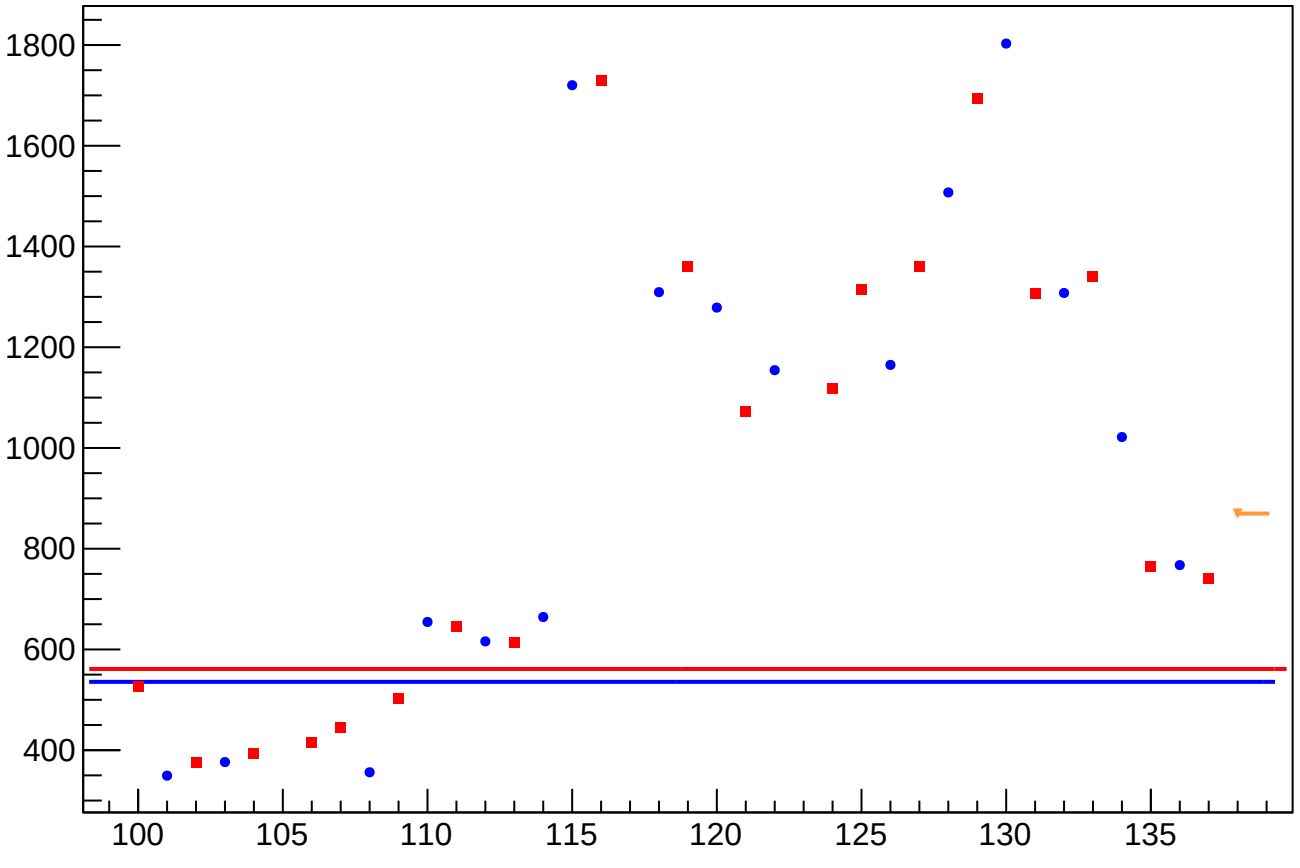
Left: -1682.578+/-986.982 χ^2/NDF: 0.0/0

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 271.645+/-230.655 χ^2/NDF:16.5/15

Out: 4.028+/-226.565 χ^2/NDF:19.2/19

All: 135.442+/-161.632 χ^2/NDF: 36.4/35



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 869.813+/-0.698 χ^2/NDF:0.0/0

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 869.813+/-0.698 χ^2/NDF: 0.0/0

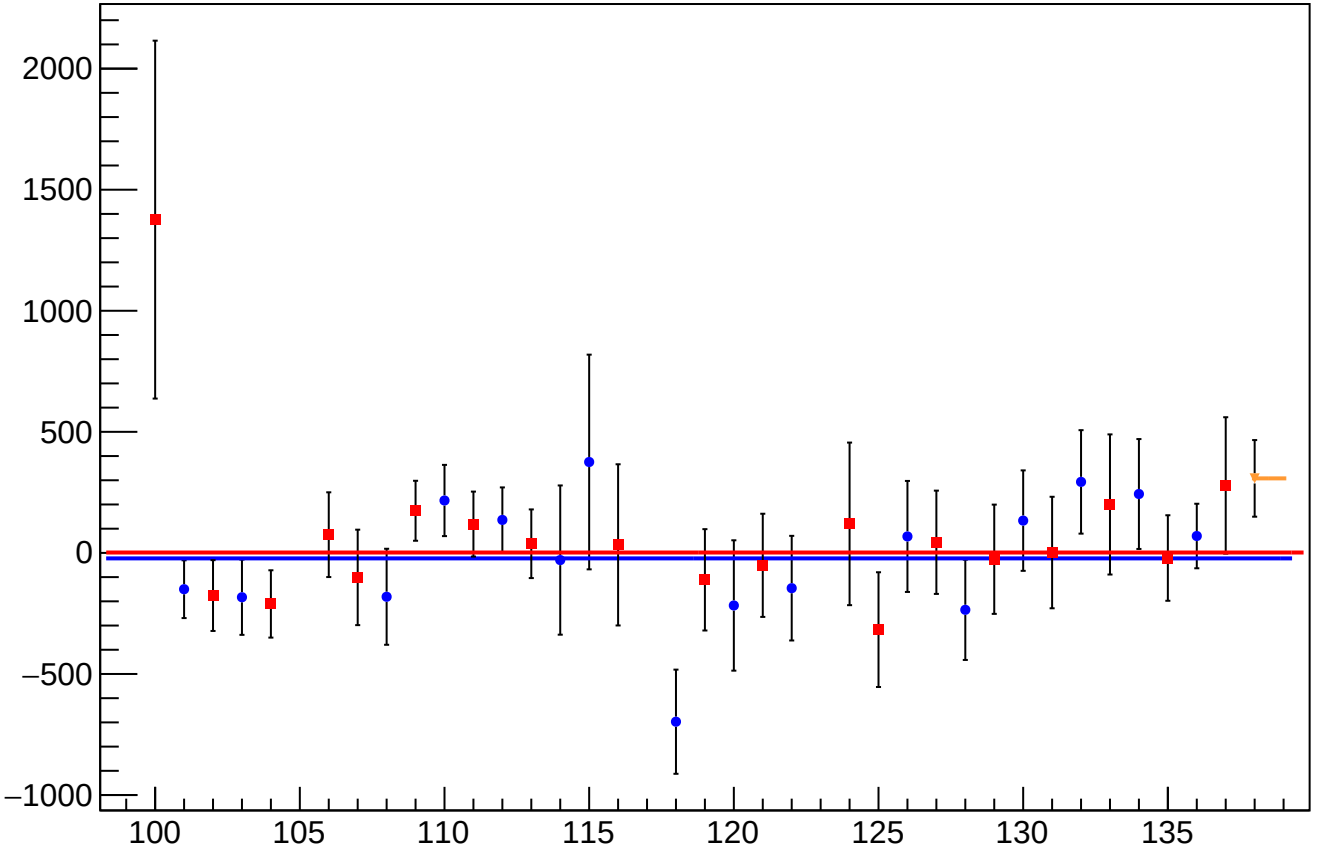
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 535.661+/-0.163 χ^2/NDF:3632591.0/15

Out: 577.528+/-0.160 χ^2/NDF:3315915.4/19

All: 556.969+/-0.114 χ^2/NDF: 6982042.4/35

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 307.773+/-158.223 χ^2/NDF:0.0/0

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 307.773+/-158.223 χ^2/NDF: 0.0/0

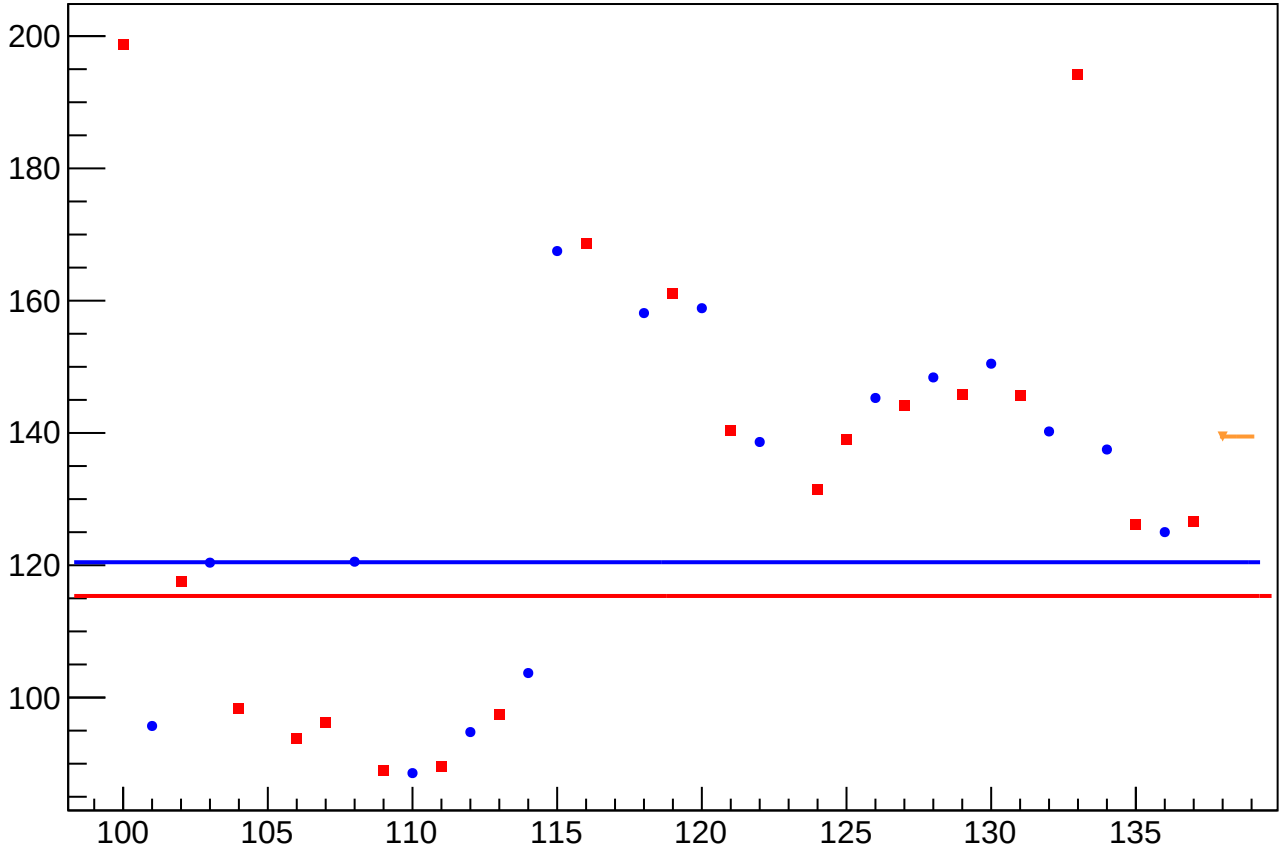
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: -22.678+/-45.908 χ^2/NDF:24.2/15

Out: 23.174+/-42.000 χ^2/NDF:17.8/19

All: 2.282+/-30.988 χ^2/NDF: 42.5/35

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 139.463+/-0.112 χ^2/NDF:0.0/0

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

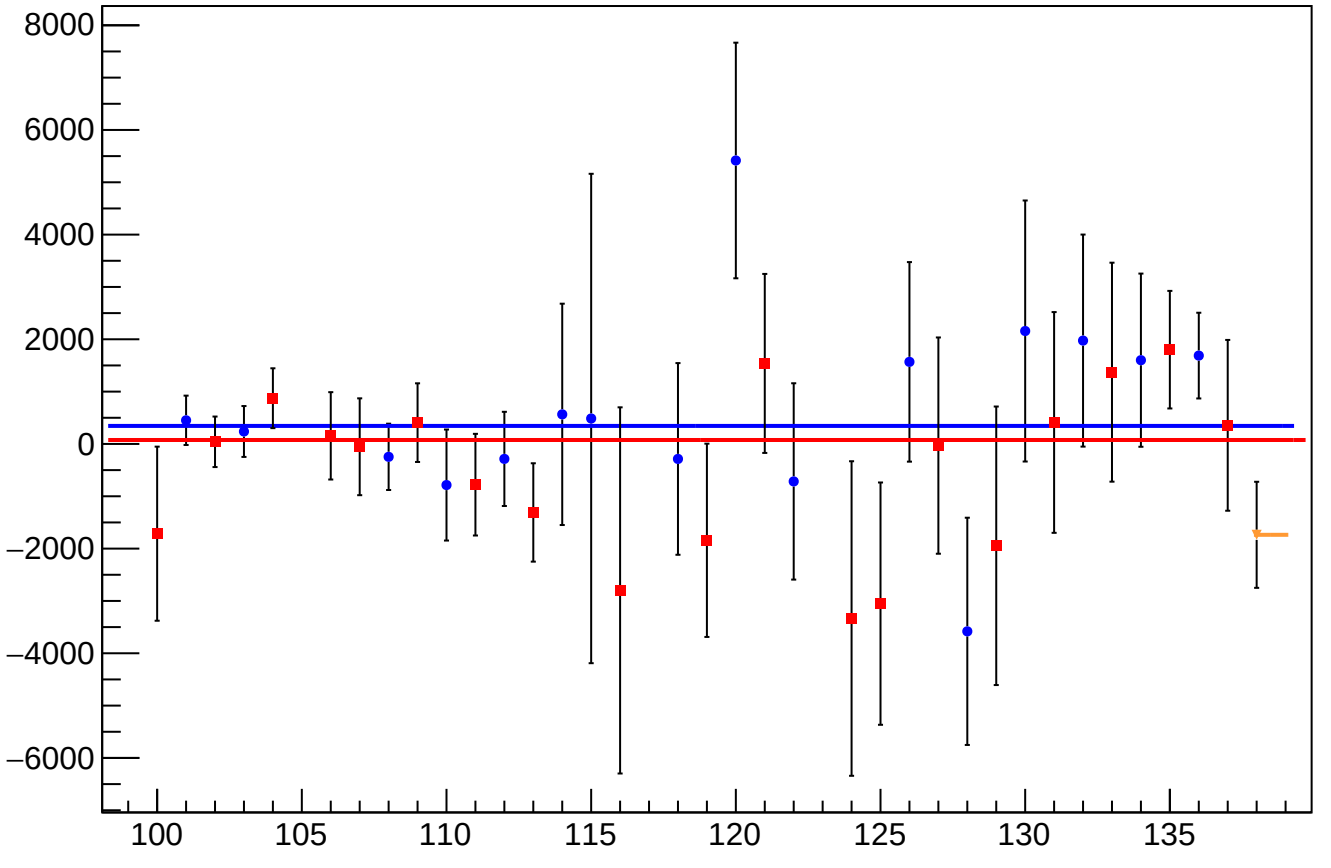
Left: 139.463+/-0.112 χ^2/NDF: 0.0/0

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 120.458+/-0.032 χ^2/NDF:530331.6/15

Out: 117.056+/-0.030 χ^2/NDF:810389.4/19

All: 118.606+/-0.022 χ^2/NDF: 1346702.4/35



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: -1736.444+/-1013.474 χ^2/NDF:0.0/0

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

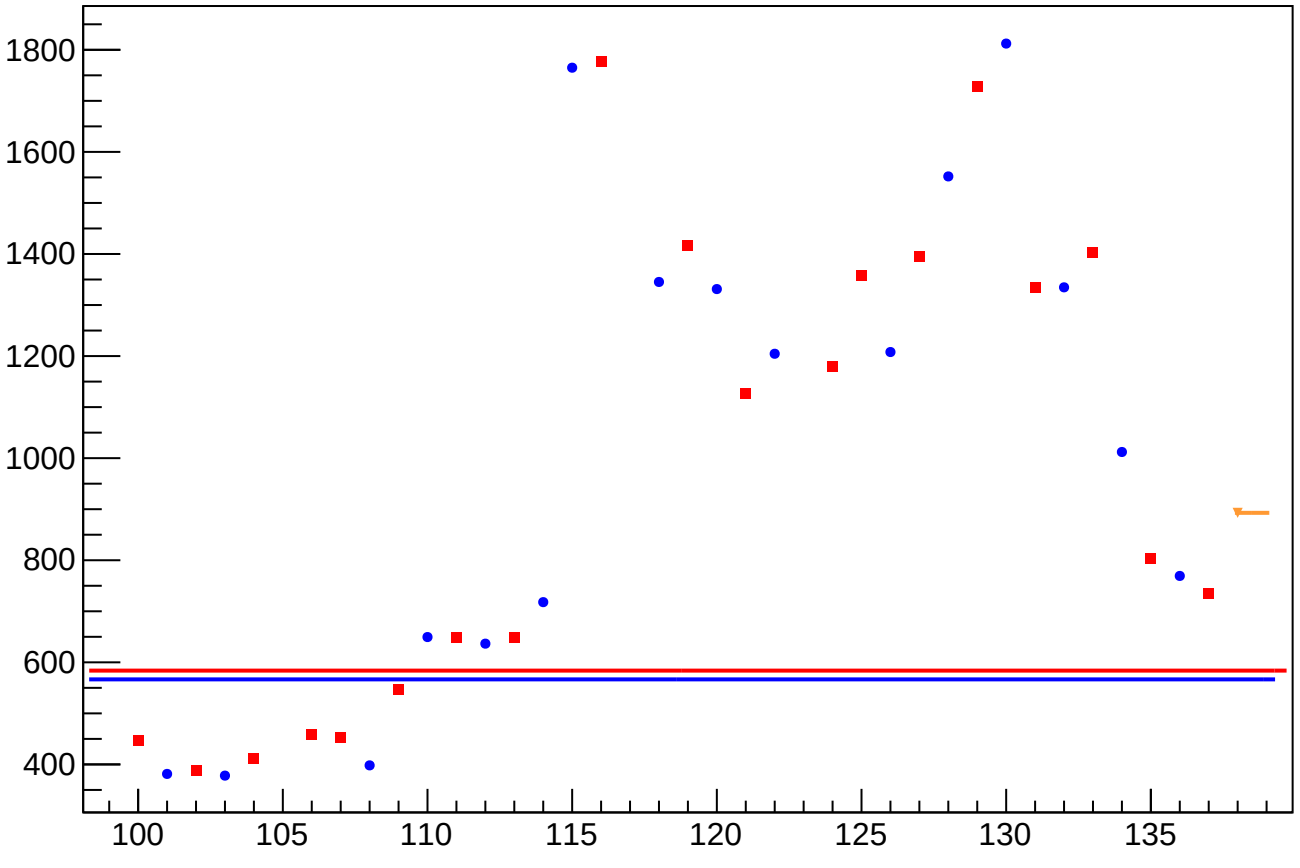
Left: -1736.444+/-1013.474 χ^2/NDF: 0.0/0

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 344.437+/-241.532 χ^2/NDF:16.2/15

Out: -21.142+/-233.982 χ^2/NDF:18.3/19

All: 155.845+/-168.056 χ^2/NDF: 35.7/35



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 892.890+/-0.717 χ^2/NDF:0.0/0

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

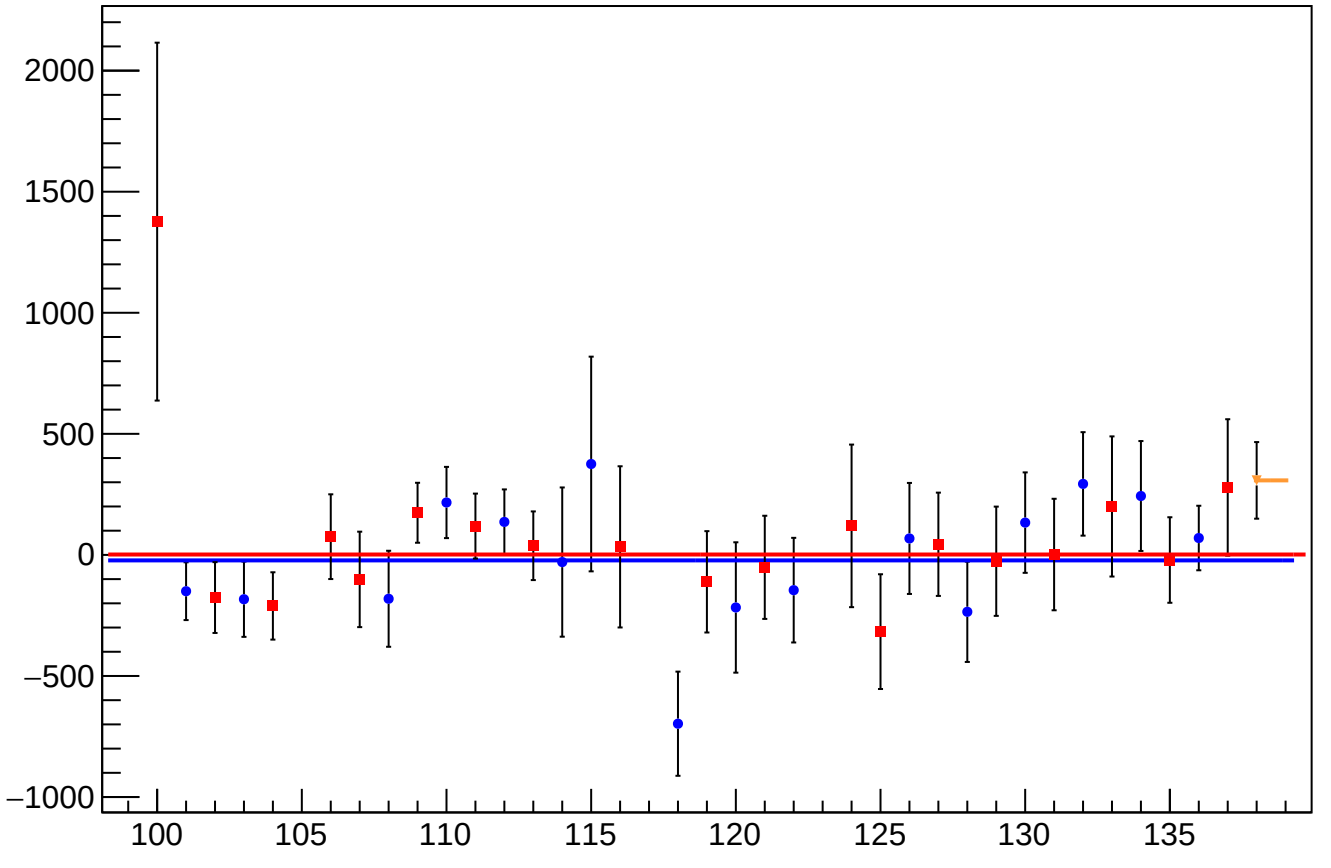
Left: 892.890+/-0.717 χ^2/NDF: 0.0/0

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 566.603+/-0.171 χ^2/NDF:3432440.2/15

Out: 600.269+/-0.165 χ^2/NDF:3283631.2/19

All: 583.971+/-0.119 χ^2/NDF: 6736116.4/35



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 307.777+/-158.223 χ^2/NDF:0.0/0

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

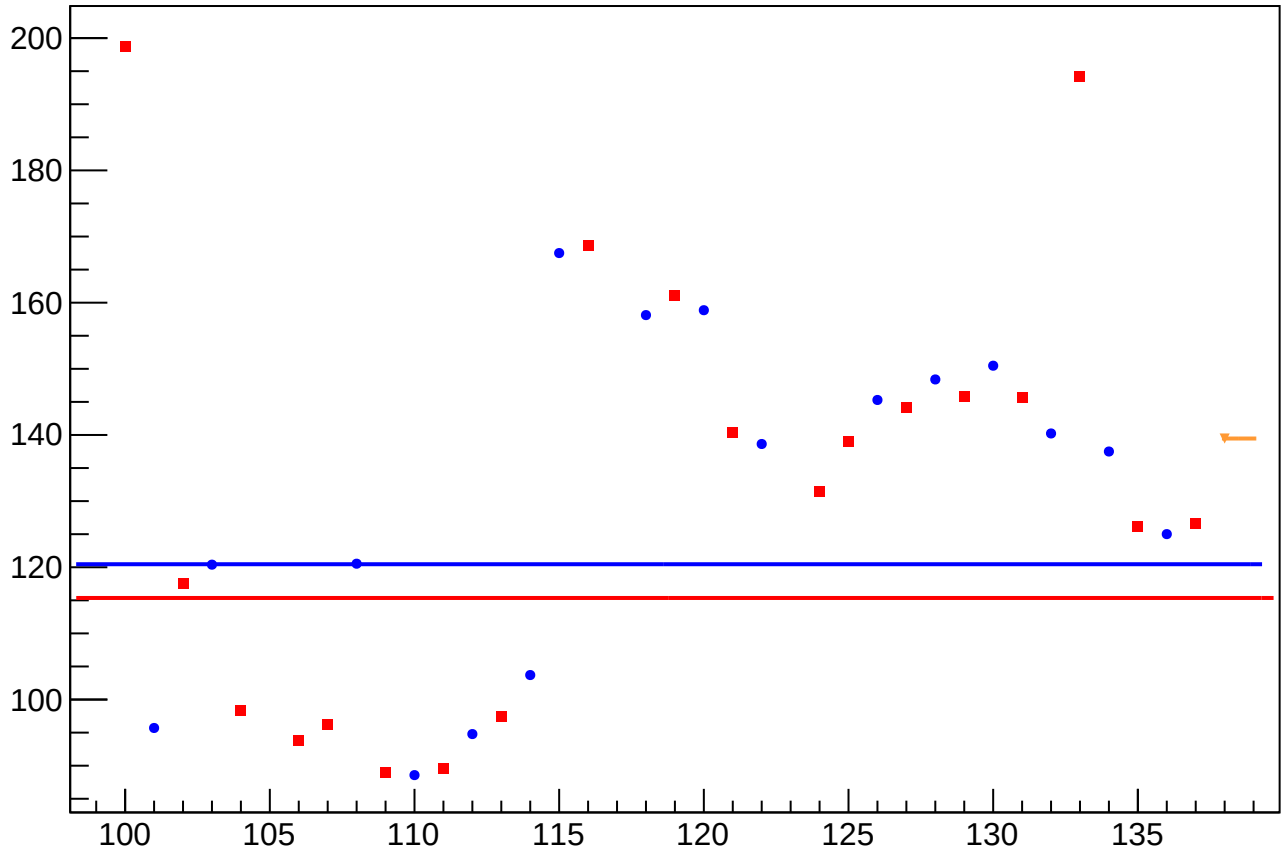
Left: 307.777+/-158.223 χ^2/NDF: 0.0/0

Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: -22.680+/-45.908 χ^2/NDF:24.2/15

Out: 23.175+/-42.000 χ^2/NDF:17.8/19

All: 2.282+/-30.988 χ^2/NDF: 42.5/35



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 139.463+/-0.112 χ^2/NDF:0.0/0

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

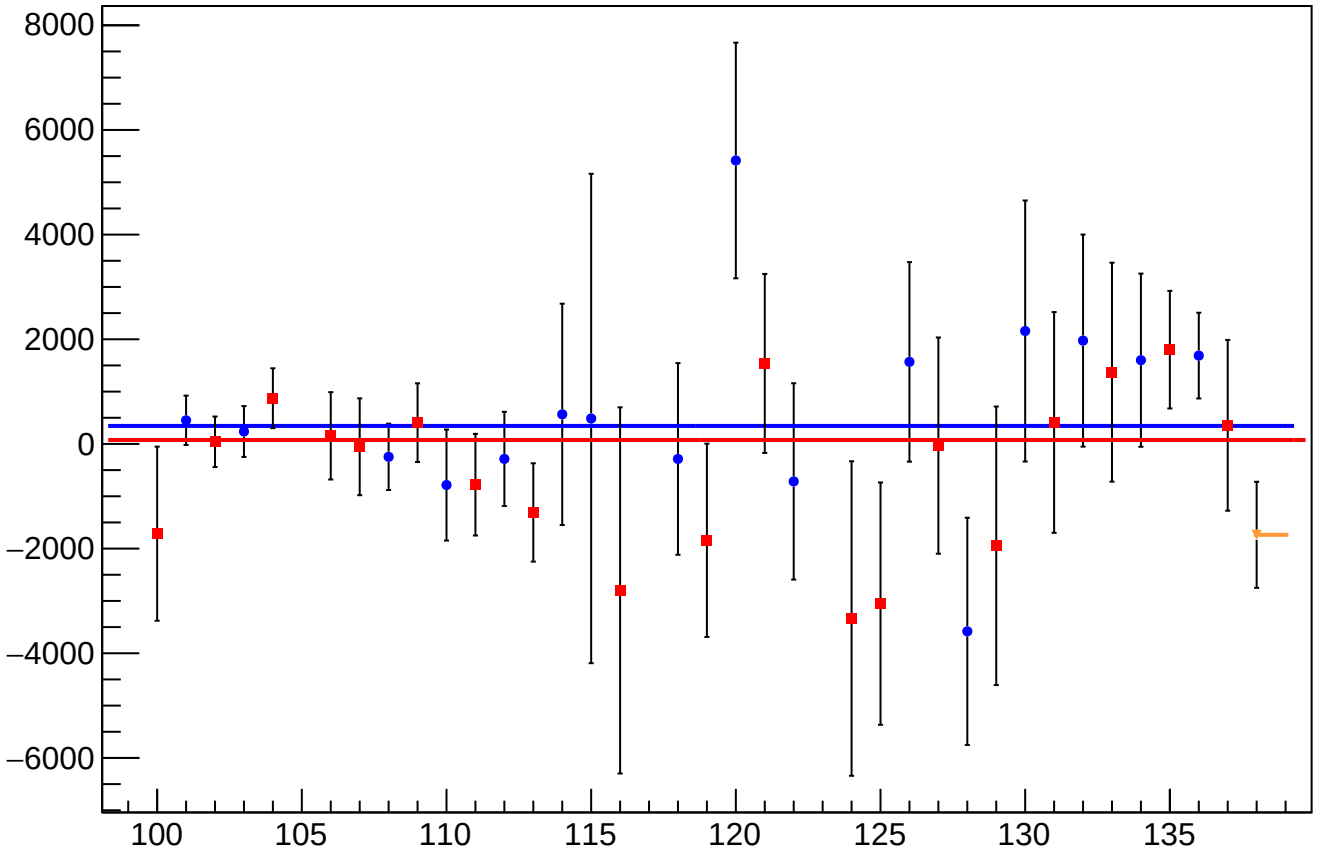
Left: 139.463+/-0.112 χ^2/NDF: 0.0/0

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 120.458+/-0.032 χ^2/NDF:530335.0/15

Out: 117.055+/-0.030 χ^2/NDF:810389.0/19

All: 118.606+/-0.022 χ^2/NDF: 1346705.1/35



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: -1736.440+/-1013.474 χ^2/NDF:0.0/0

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

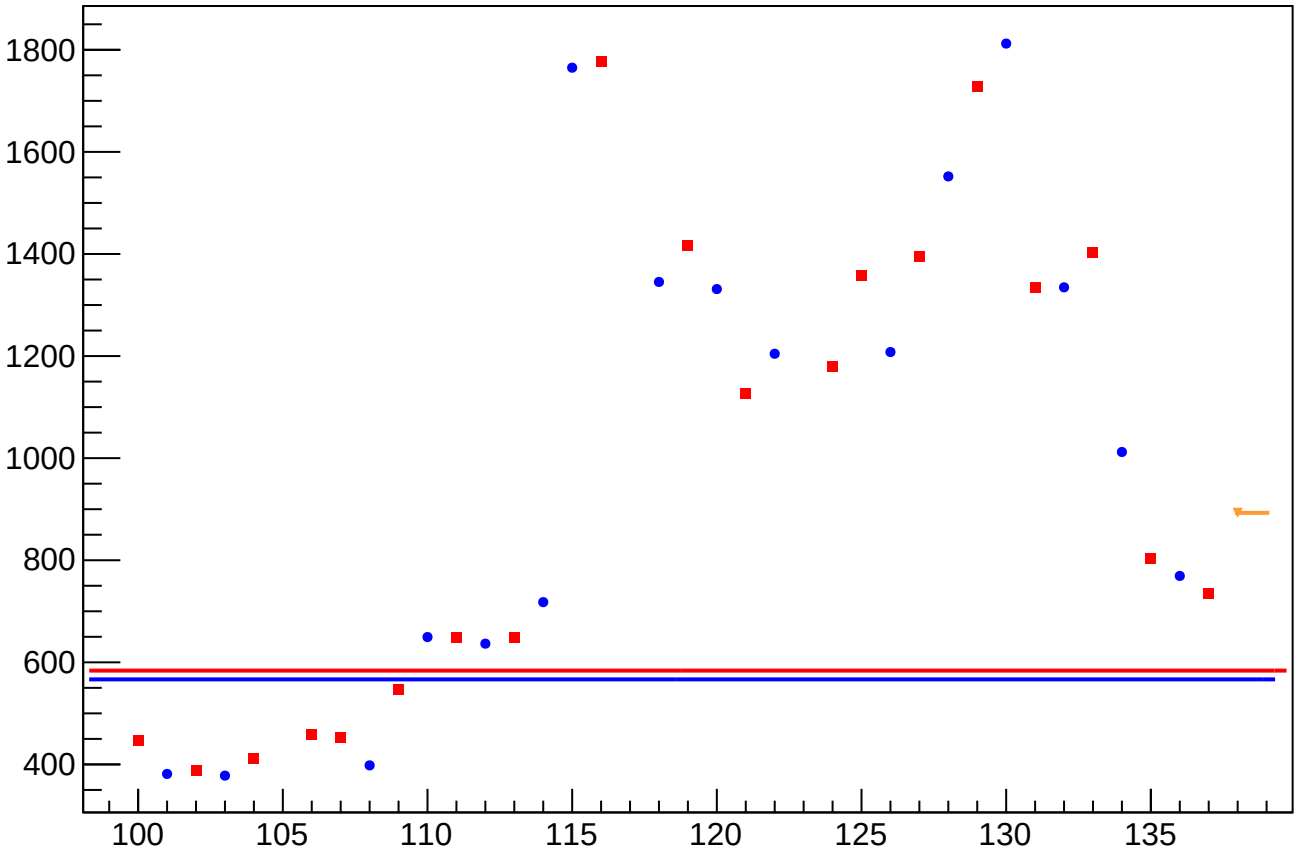
Left: -1736.440+/-1013.474 χ^2/NDF: 0.0/0

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 344.436+/-241.531 χ^2/NDF:16.2/15

Out: -21.141+/-233.982 χ^2/NDF:18.3/19

All: 155.845+/-168.056 χ^2/NDF: 35.7/35



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 892.890+/-0.717 χ^2/NDF:0.0/0

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 892.890+/-0.717 χ^2/NDF: 0.0/0

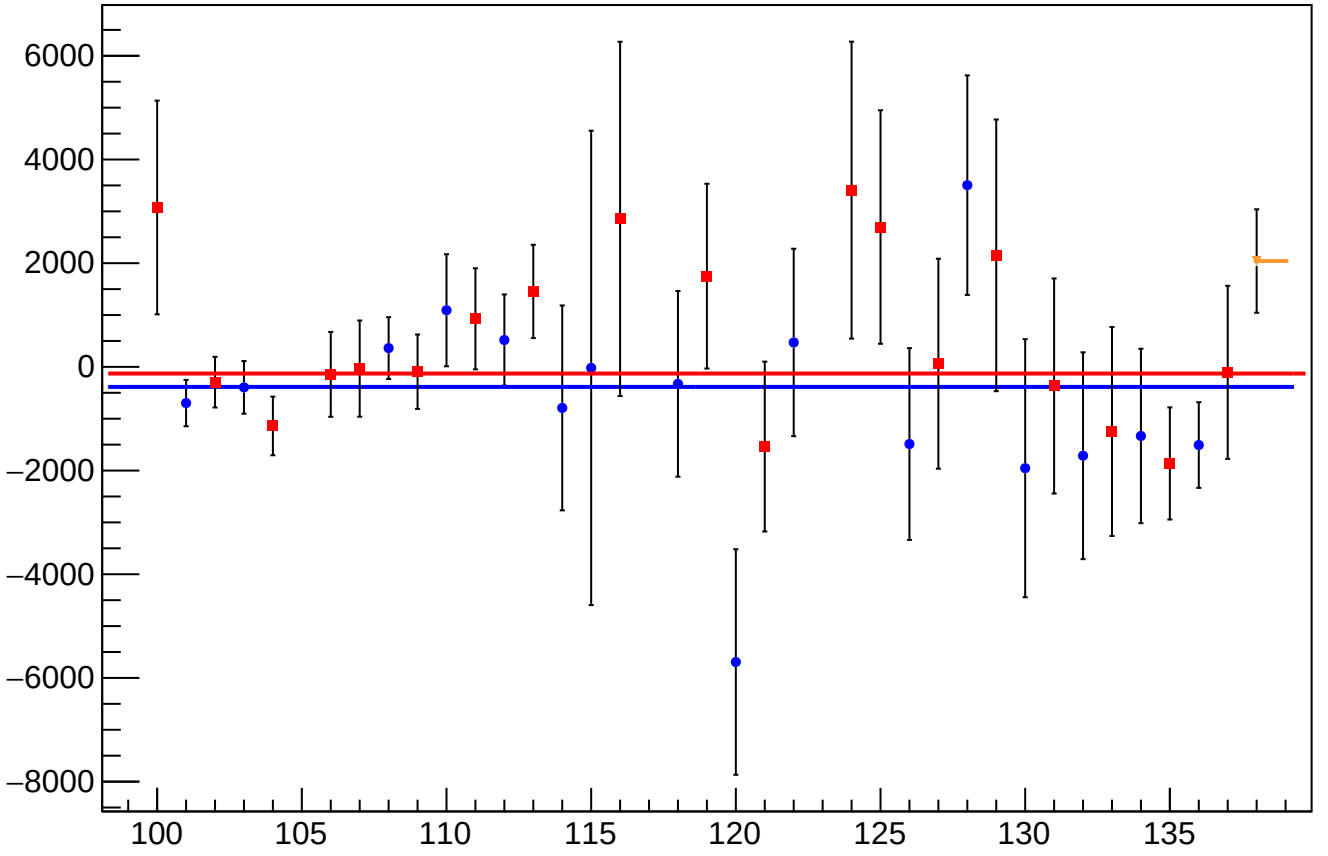
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 566.603+/-0.171 χ^2/NDF:3432444.7/15

Out: 600.269+/-0.165 χ^2/NDF:3283632.2/19

All: 583.970+/-0.119 χ^2/NDF: 6736122.3/35

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 2041.880+/-997.846 χ^2/NDF:0.0/0

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2041.880+/-997.846 χ^2/NDF: 0.0/0

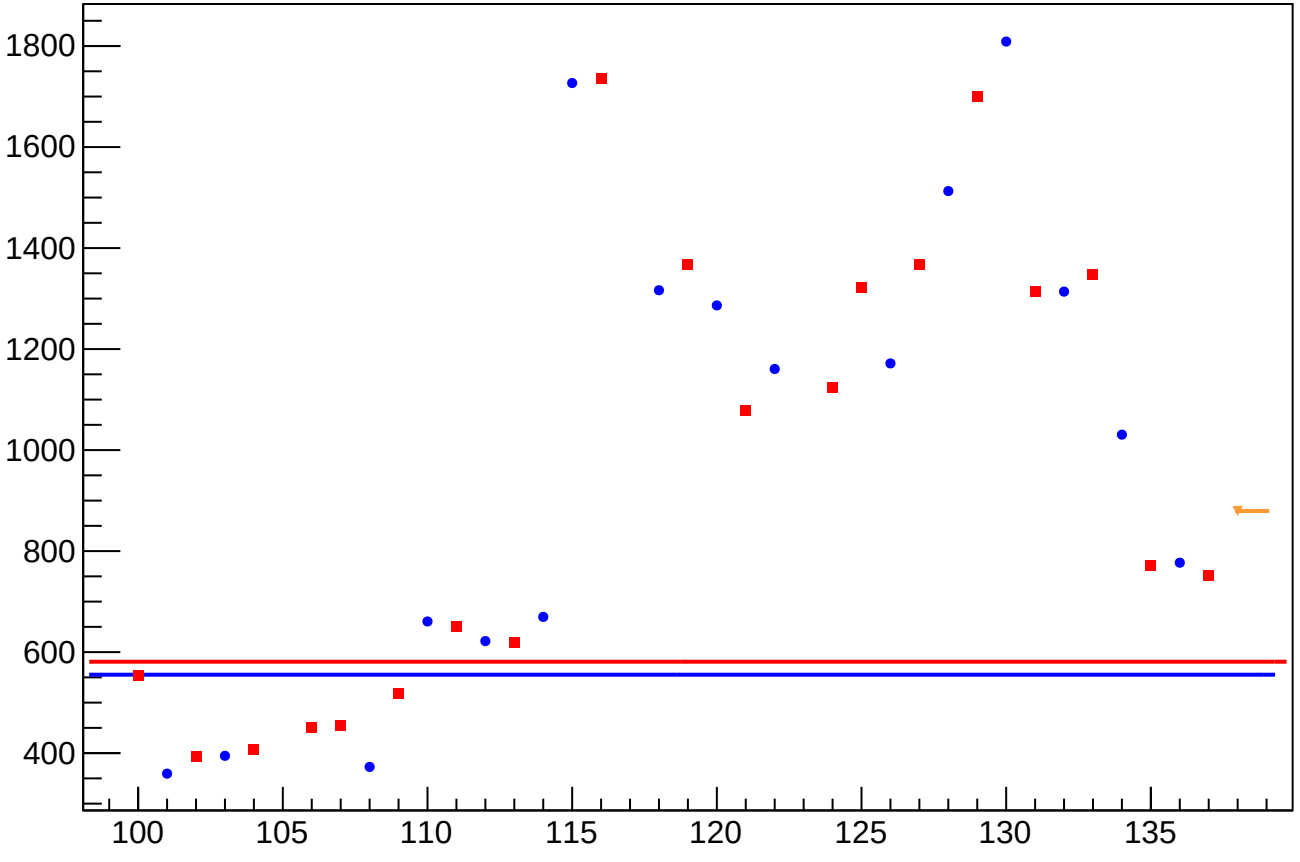
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -386.522+/-237.525 χ^2/NDF:17.9/15

Out: -11.531+/-231.728 χ^2/NDF:23.9/19

All: -194.394+/-165.868 χ^2/NDF: 43.1/35

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 879.429+/-0.706 χ^2/NDF:0.0/0

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

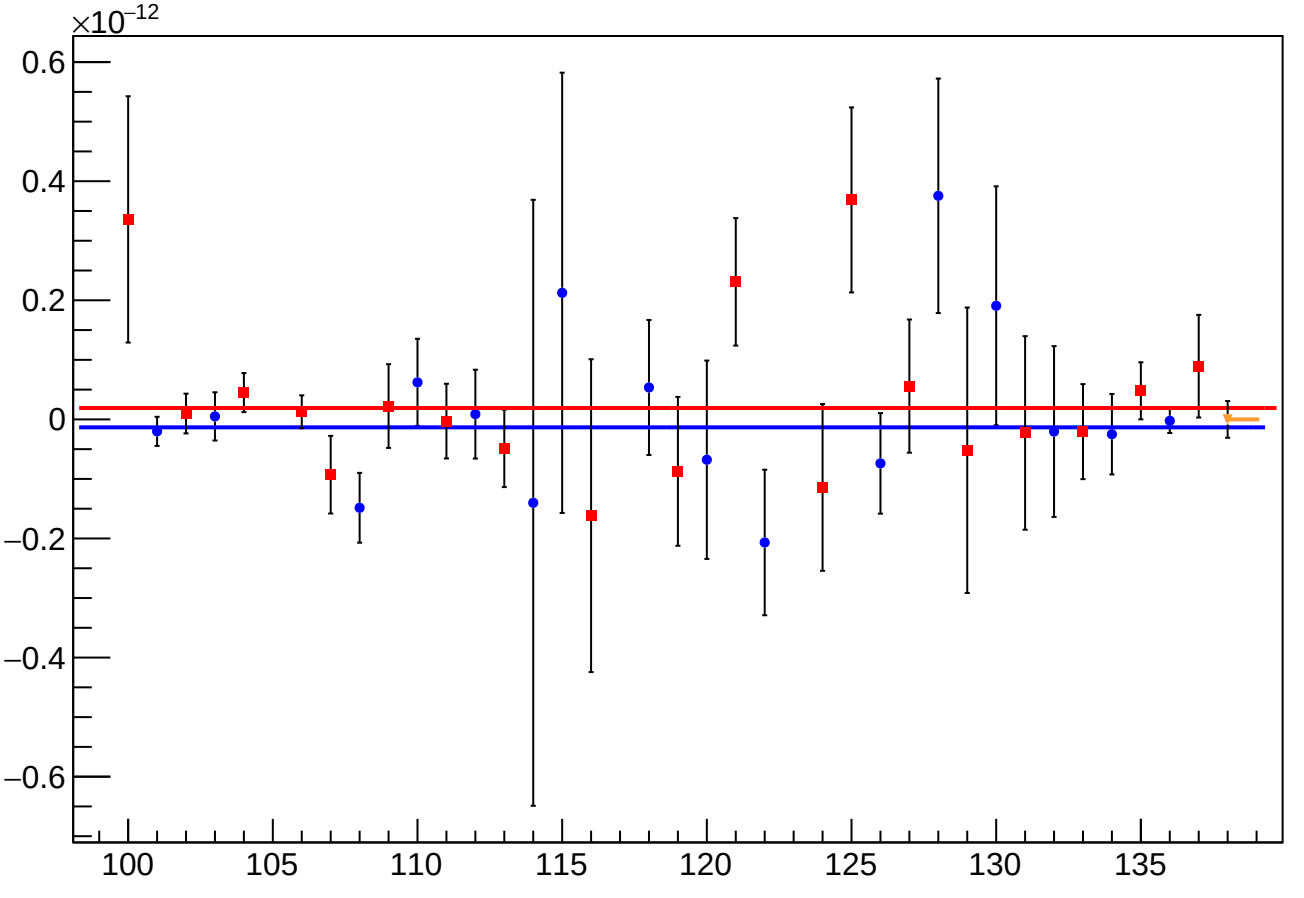
Left: 879.429+/-0.706 χ^2/NDF: 0.0/0

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 555.292+/-0.168 χ^2/NDF:3482531.0/15

Out: 597.090+/-0.164 χ^2/NDF:3152807.9/19

All: 576.707+/-0.117 χ^2/NDF: 6667070.8/35



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

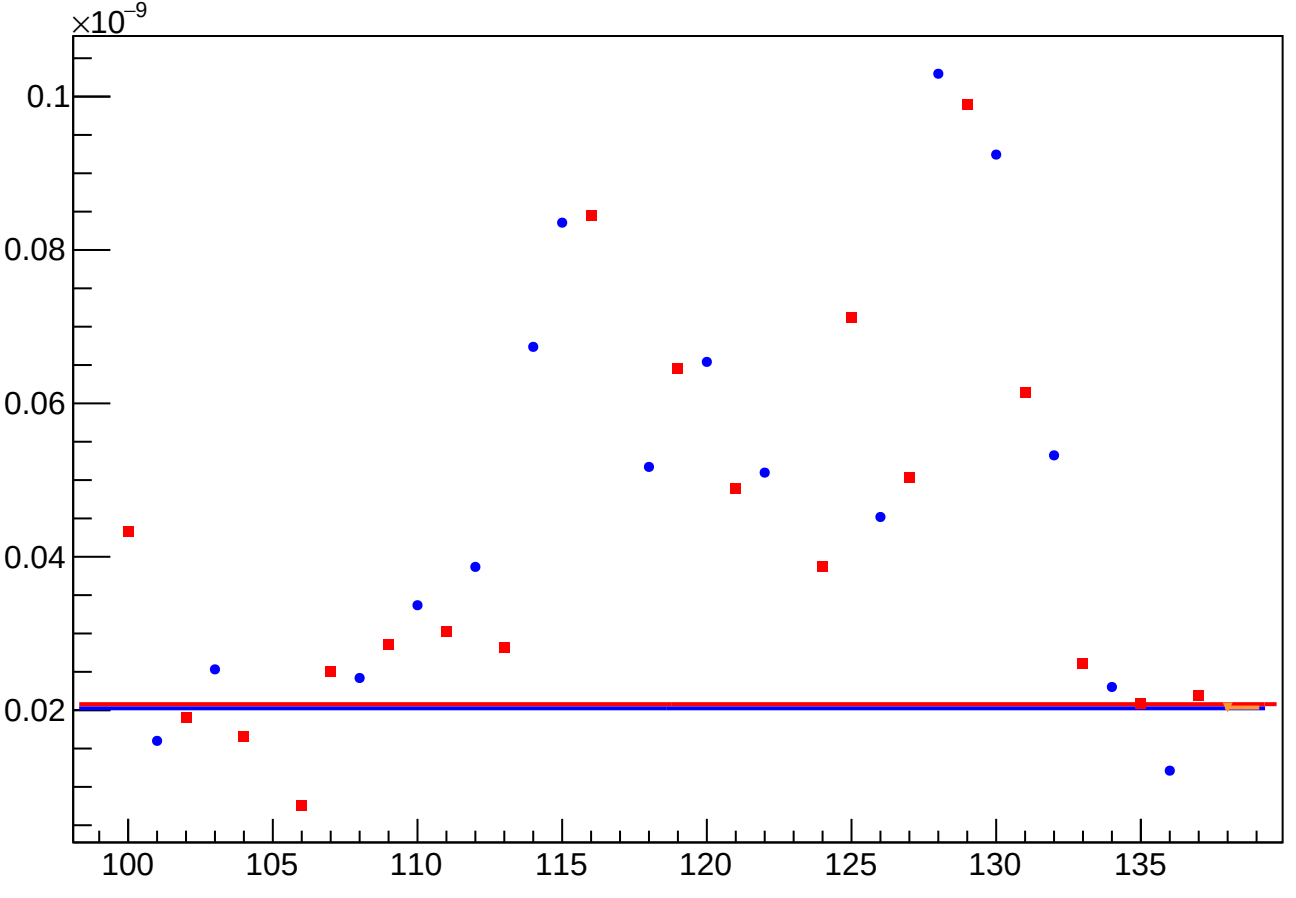
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:15.9/15

Out: 0.000+/-0.000 χ^2/NDF:20.2/19

All: 0.000+/-0.000 χ^2/NDF: 38.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

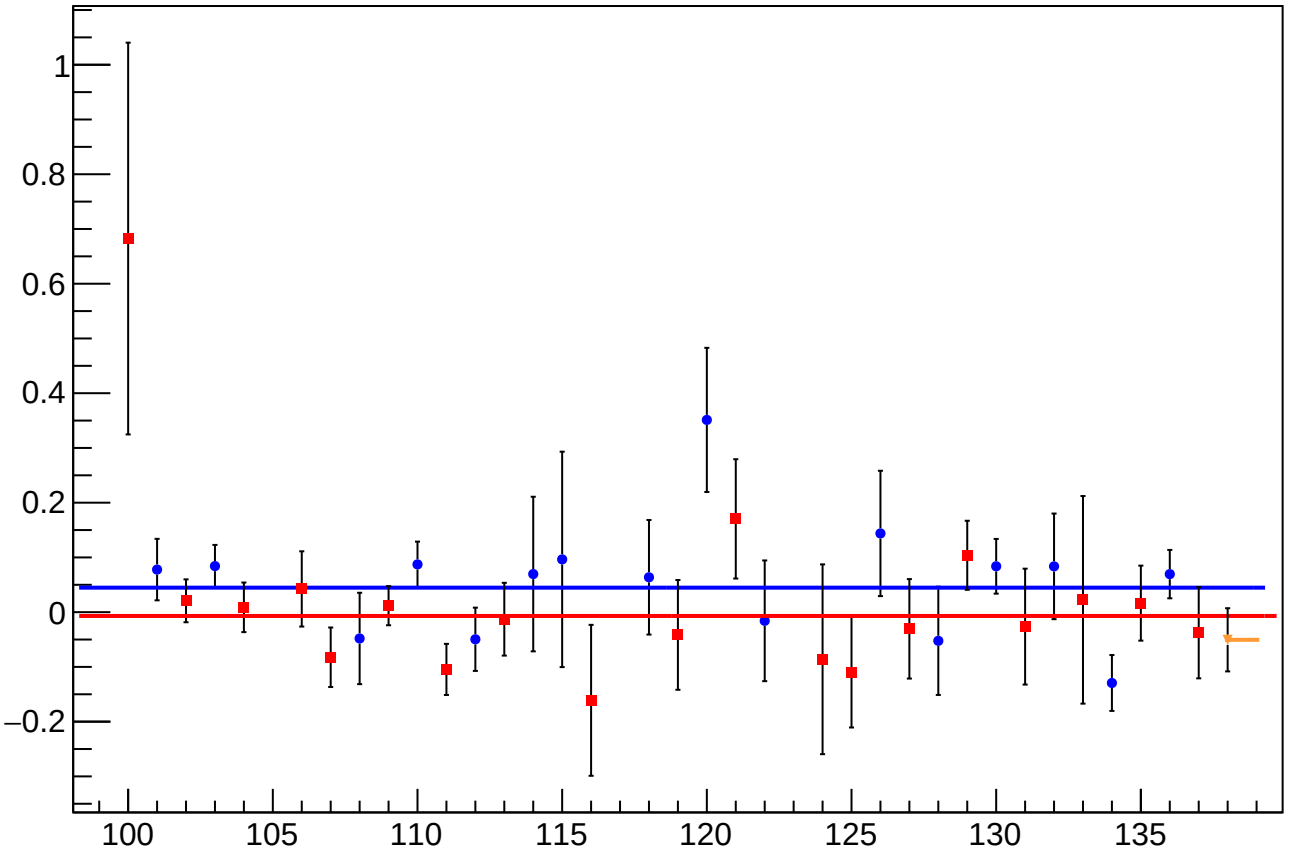
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2004678.3/15

Out: 0.000+/-0.000 χ^2/NDF:1856232.4/19

All: 0.000+/-0.000 χ^2/NDF: 3862236.3/35



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.051+/-0.058 χ^2/NDF:0.0/0

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

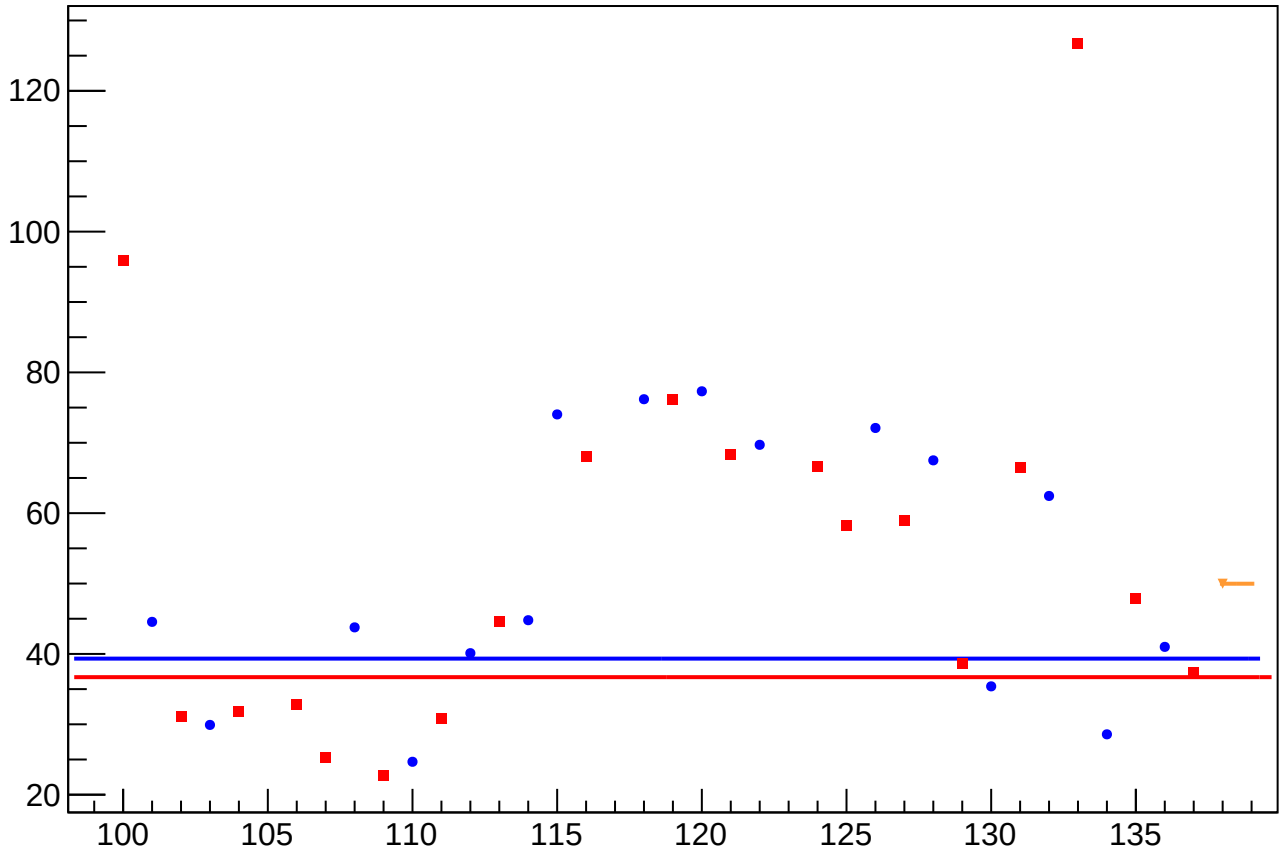
Left: -0.051+/-0.058 χ^2/NDF: 0.0/0

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.045+/-0.016 χ^2/NDF:26.6/15

Out: -0.010+/-0.015 χ^2/NDF:20.7/19

All: 0.015+/-0.011 χ^2/NDF: 53.6/35



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 49.975+/-0.041 χ^2/NDF:0.0/0

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

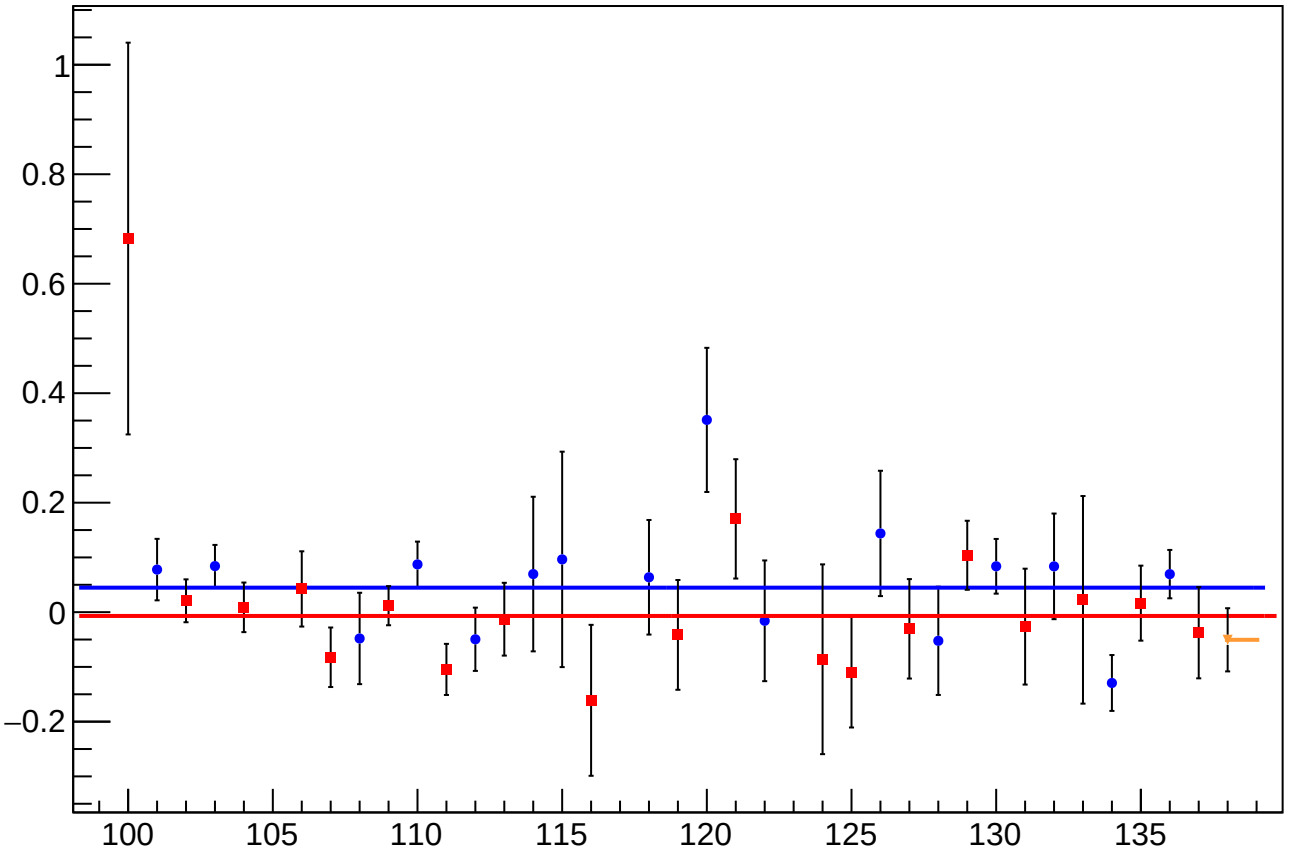
Left: 49.975+/-0.041 χ^2/NDF: 0.0/0

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 39.335+/-0.011 χ^2/NDF:1566525.1/15

Out: 37.552+/-0.010 χ^2/NDF:2195814.9/19

All: 38.362+/-0.008 χ^2/NDF: 3775856.4/35



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.051+/-0.058 χ^2/NDF:0.0/0

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

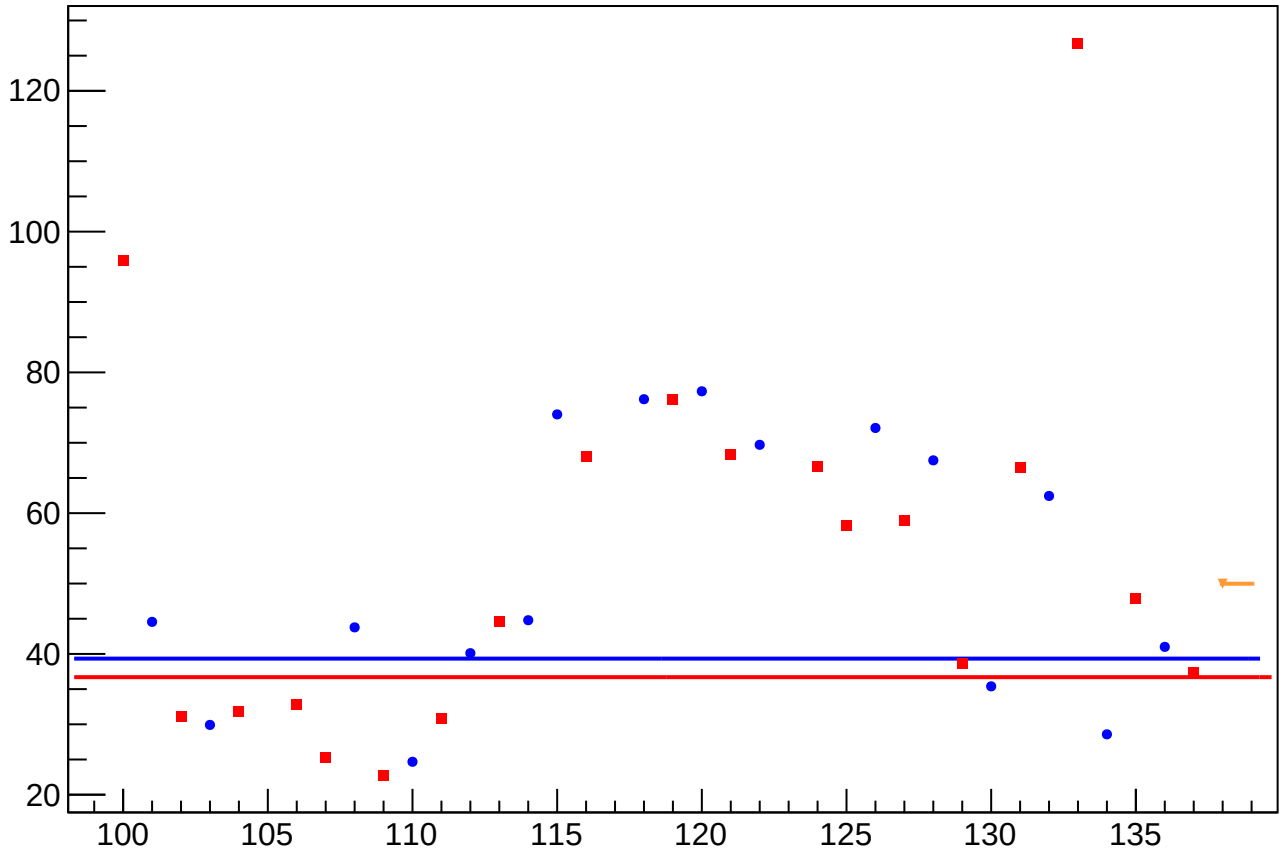
Left: -0.051+/-0.058 χ^2/NDF: 0.0/0

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.045+/-0.016 χ^2/NDF:26.6/15

Out: -0.010+/-0.015 χ^2/NDF:20.7/19

All: 0.015+/-0.011 χ^2/NDF: 53.6/35



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 49.975+/-0.041 χ^2/NDF:0.0/0

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

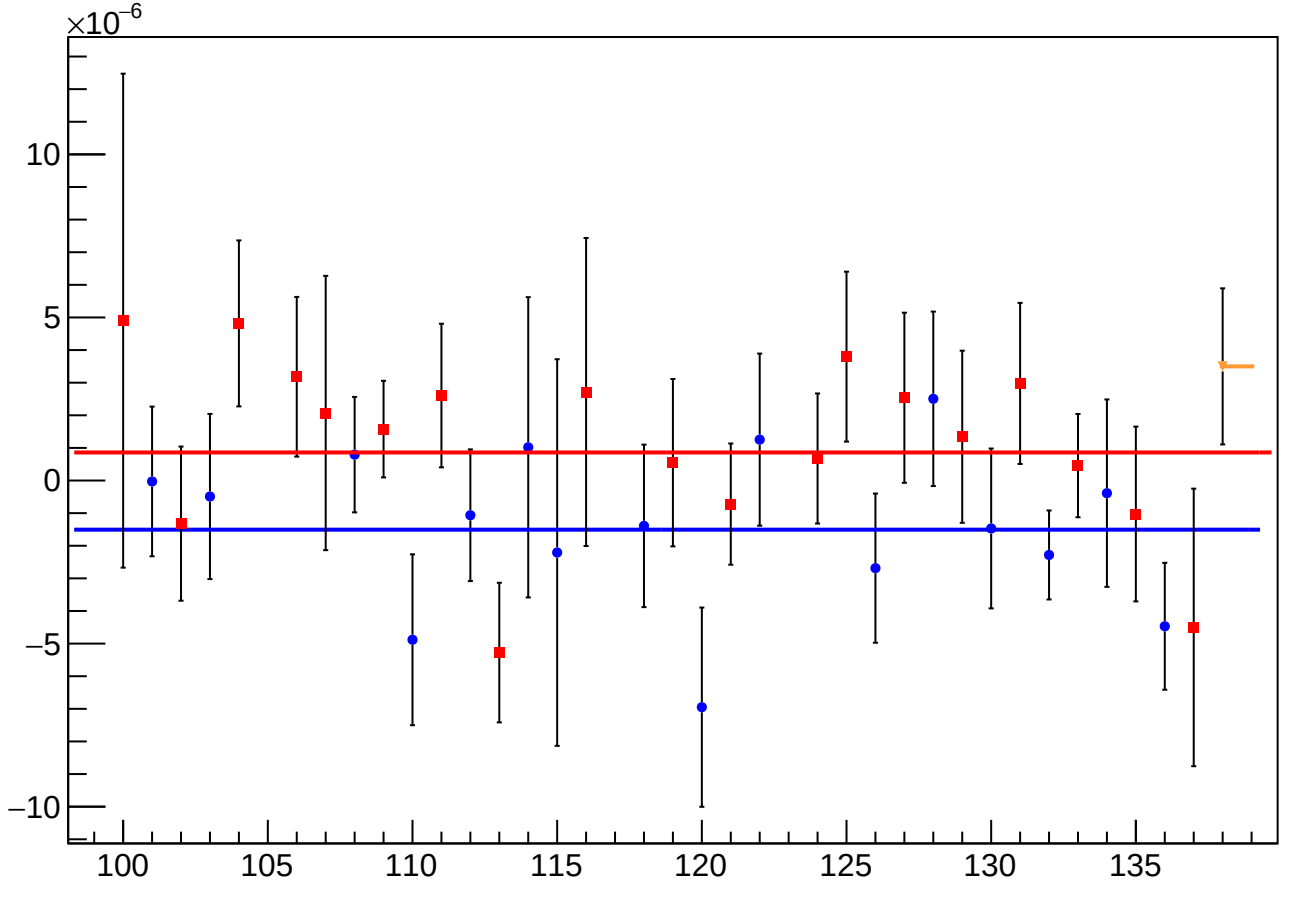
Left: 49.975+/-0.041 χ^2/NDF: 0.0/0

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 39.335+/-0.011 χ^2/NDF:1566525.1/15

Out: 37.552+/-0.010 χ^2/NDF:2195814.9/19

All: 38.362+/-0.008 χ^2/NDF: 3775856.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

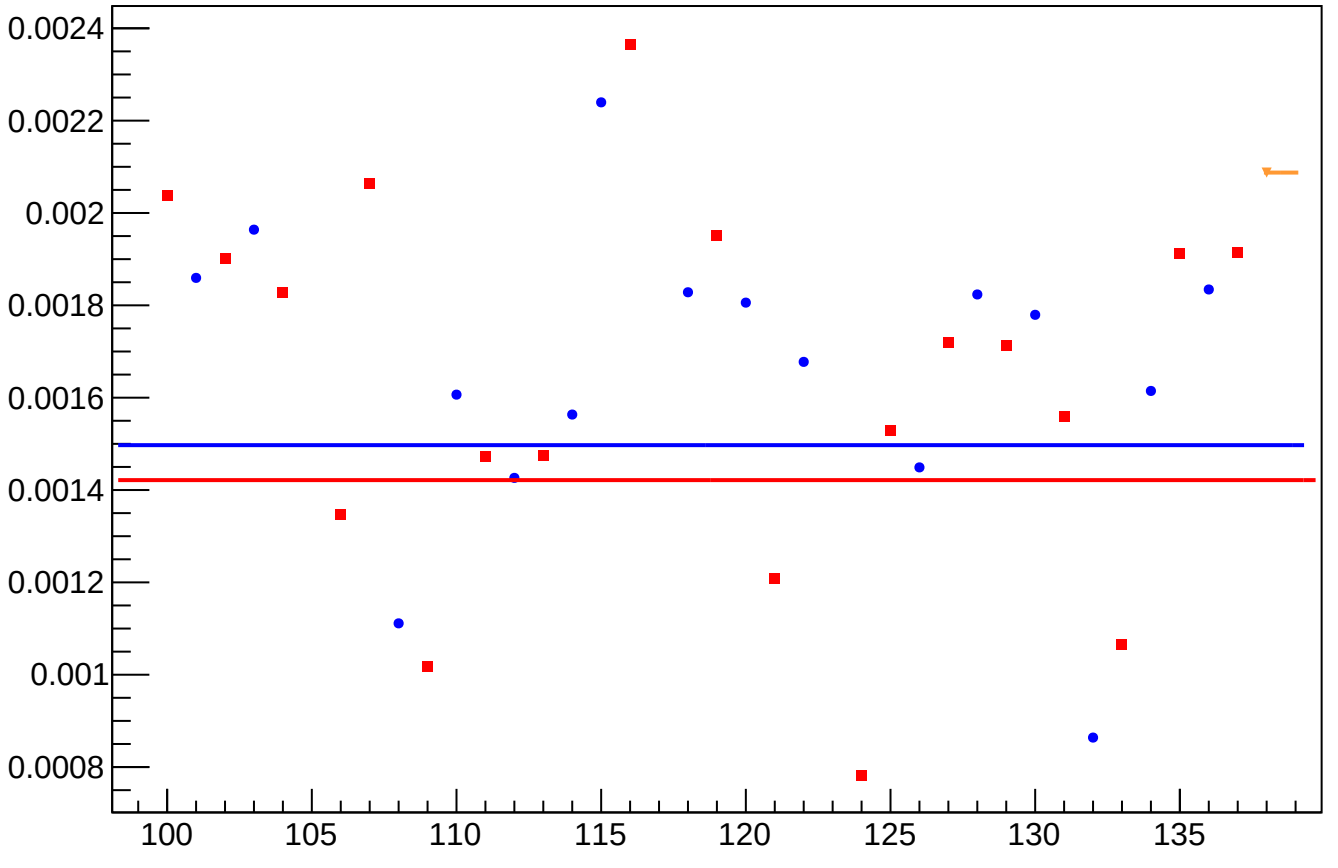
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:13.9/15

Out: 0.000+/-0.000 χ^2/NDF:20.3/19

All: -0.000+/-0.000 χ^2/NDF: 44.2/35



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.002+/-0.000 χ^2/NDF: 0.0/0

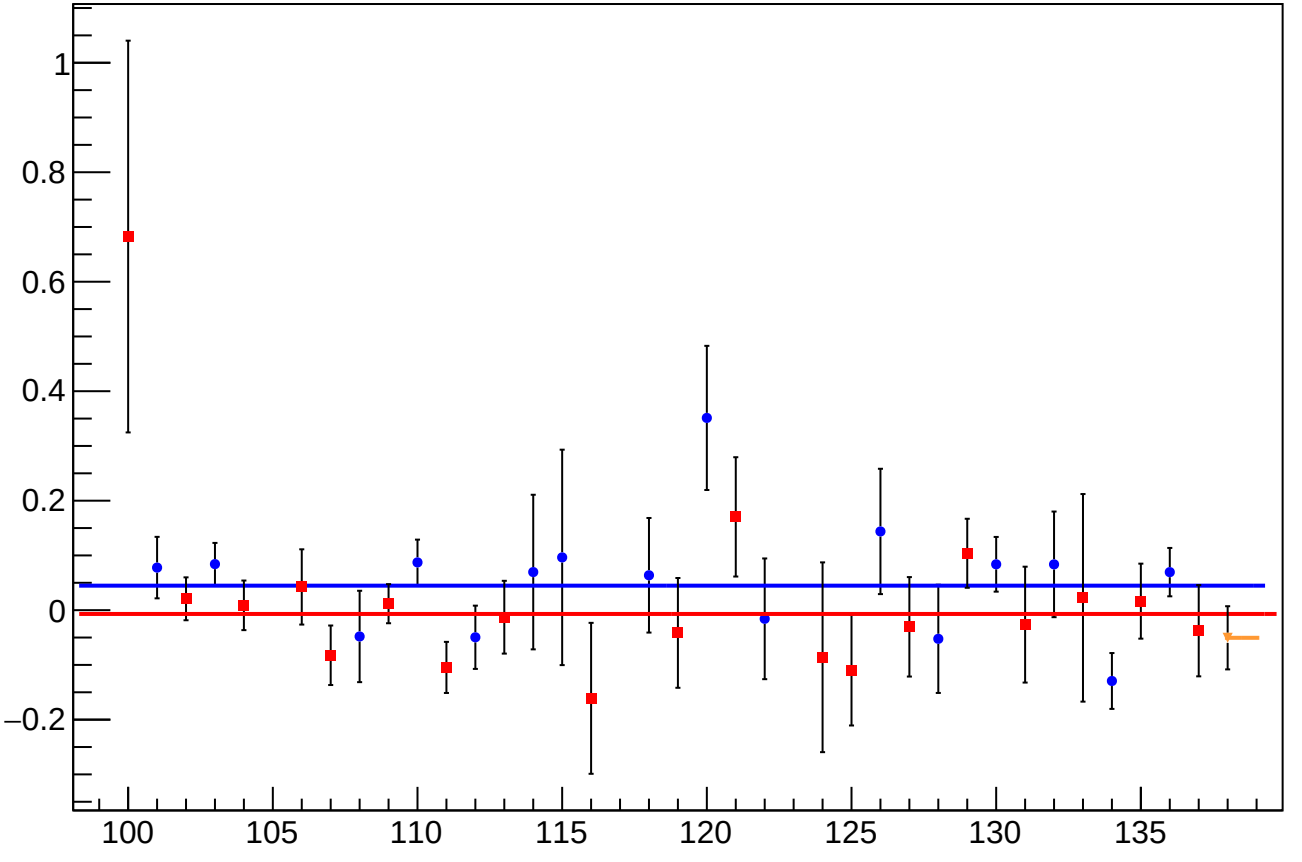
Right: 0.001+/-0.000 χ^2/NDF: 1883510.3/34

In: 0.001+/-0.000 χ^2/NDF:867330.7/15

Out: 0.001+/-0.000 χ^2/NDF:1145372.5/19

All: 0.001+/-0.000 χ^2/NDF: 2018709.5/35

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.050+/-0.058 χ^2/NDF:0.0/0

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

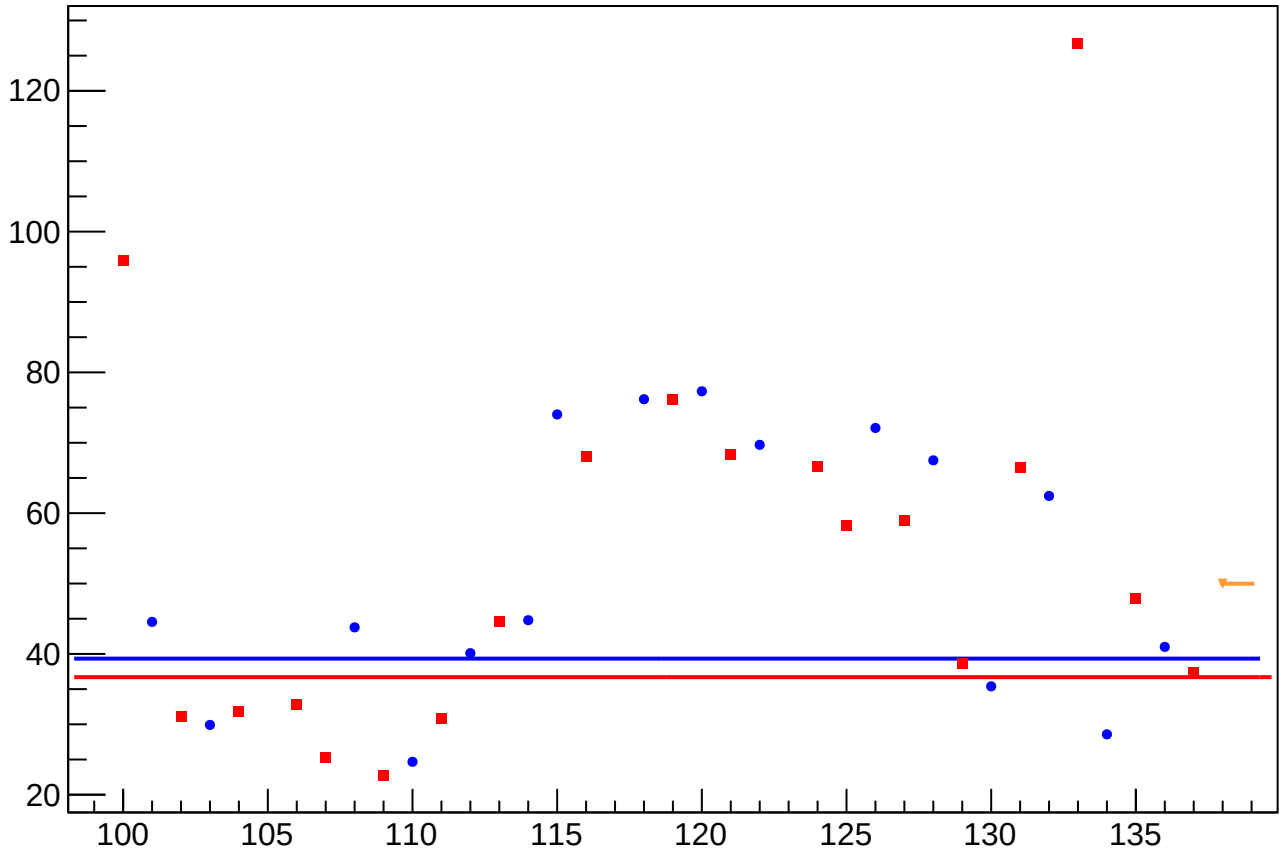
Left: -0.050+/-0.058 χ^2/NDF: 0.0/0

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.045+/-0.016 χ^2/NDF:26.6/15

Out: -0.010+/-0.015 χ^2/NDF:20.7/19

All: 0.015+/-0.011 χ^2/NDF: 53.6/35



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 49.975+/-0.041 χ^2/NDF:0.0/0

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

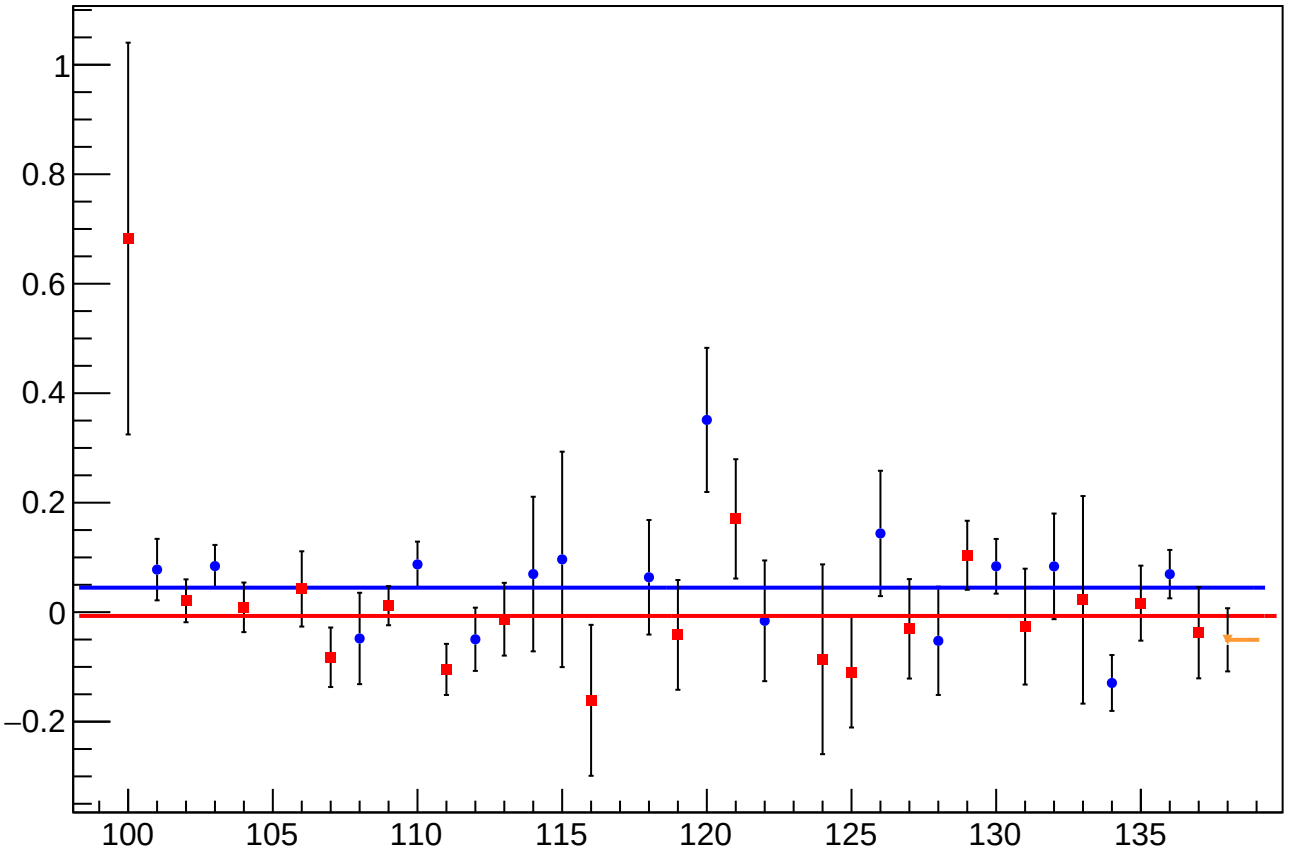
Left: 49.975+/-0.041 χ^2/NDF: 0.0/0

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 39.334+/-0.011 χ^2/NDF:1566545.4/15

Out: 37.551+/-0.010 χ^2/NDF:2195810.0/19

All: 38.361+/-0.008 χ^2/NDF: 3775867.7/35



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.050+/-0.058 χ^2/NDF:0.0/0

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

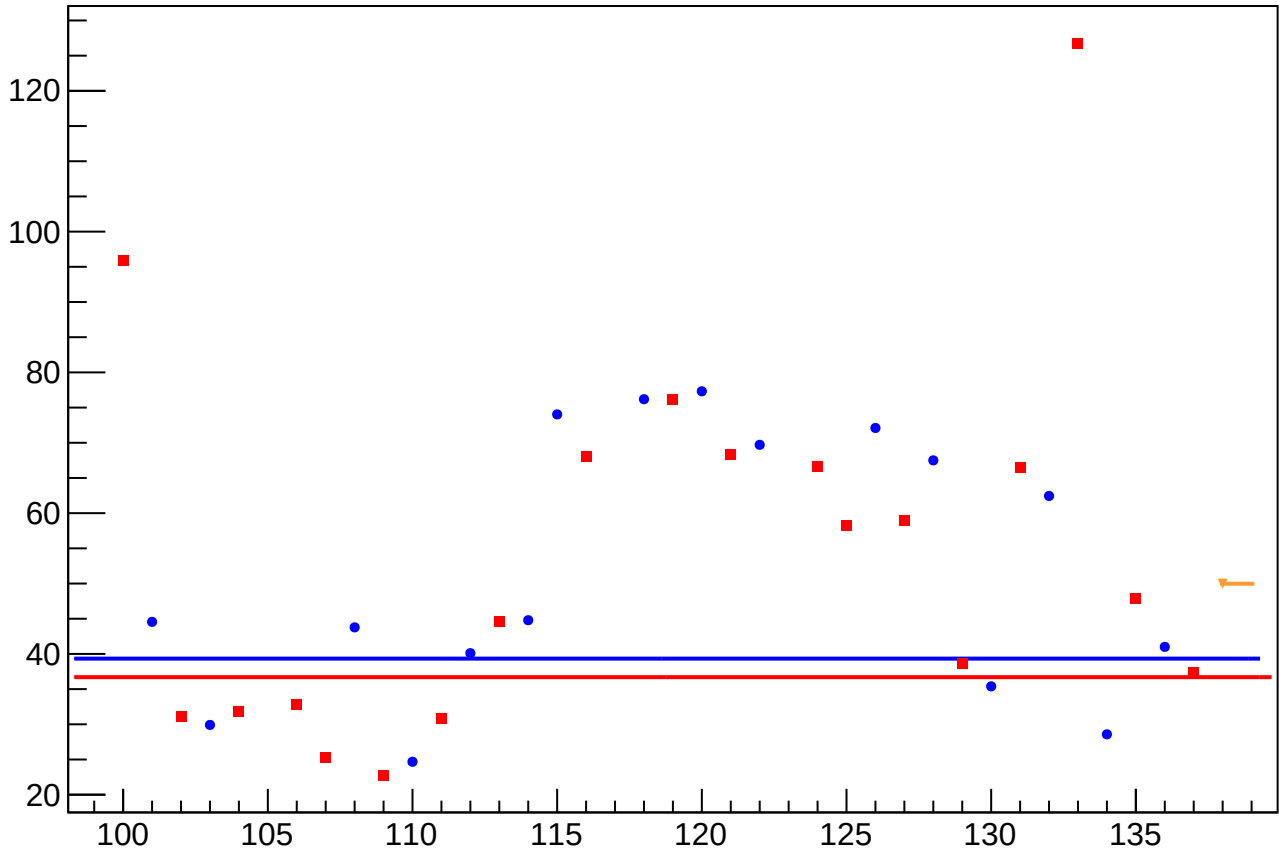
Left: -0.050+/-0.058 χ^2/NDF: 0.0/0

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.045+/-0.016 χ^2/NDF:26.6/15

Out: -0.010+/-0.015 χ^2/NDF:20.7/19

All: 0.015+/-0.011 χ^2/NDF: 53.6/35



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 49.975+/-0.041 χ^2/NDF:0.0/0

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

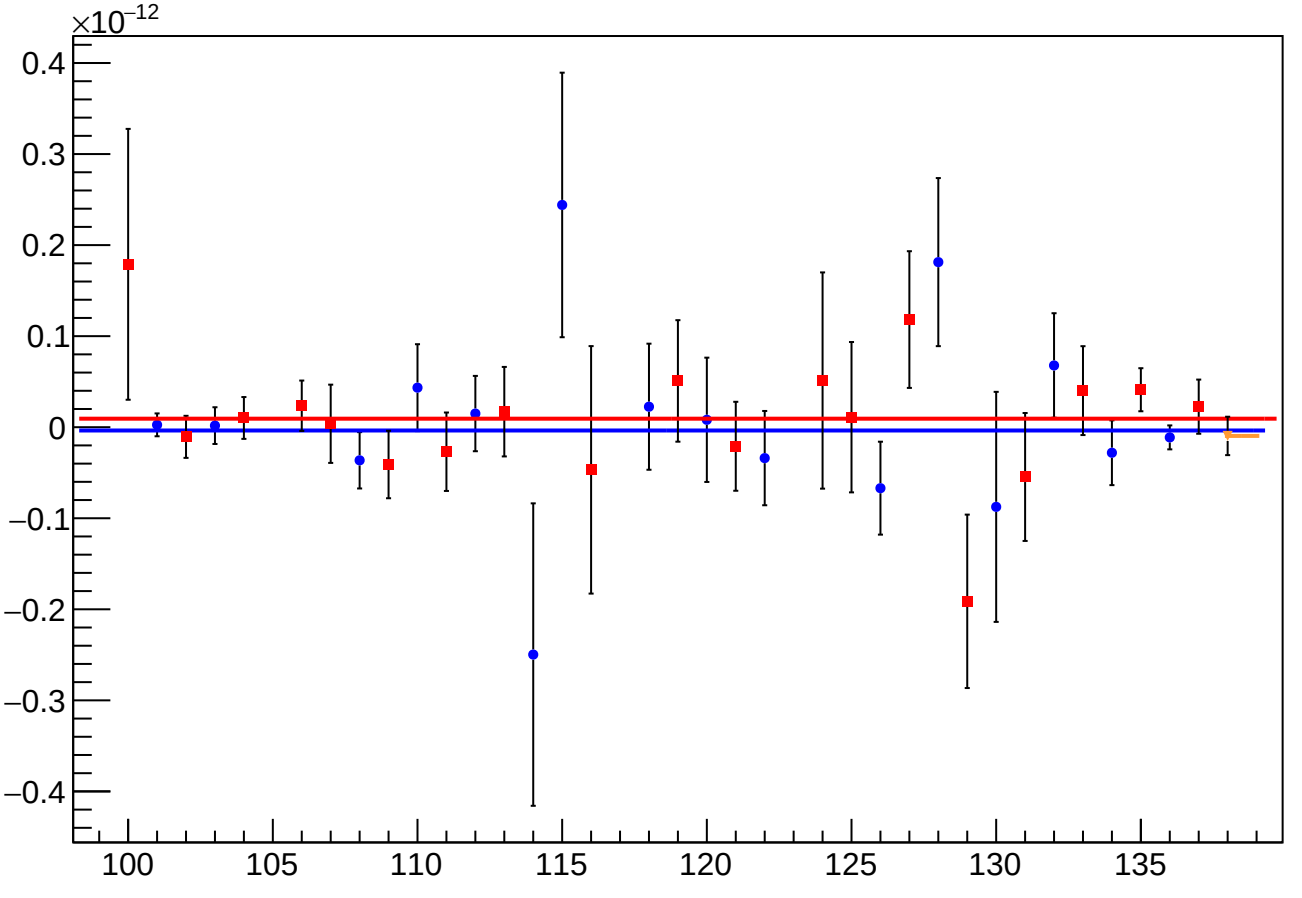
Left: 49.975+/-0.041 χ^2/NDF: 0.0/0

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 39.334+/-0.011 χ^2/NDF:1566545.4/15

Out: 37.551+/-0.010 χ^2/NDF:2195810.0/19

All: 38.361+/-0.008 χ^2/NDF: 3775867.7/35



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

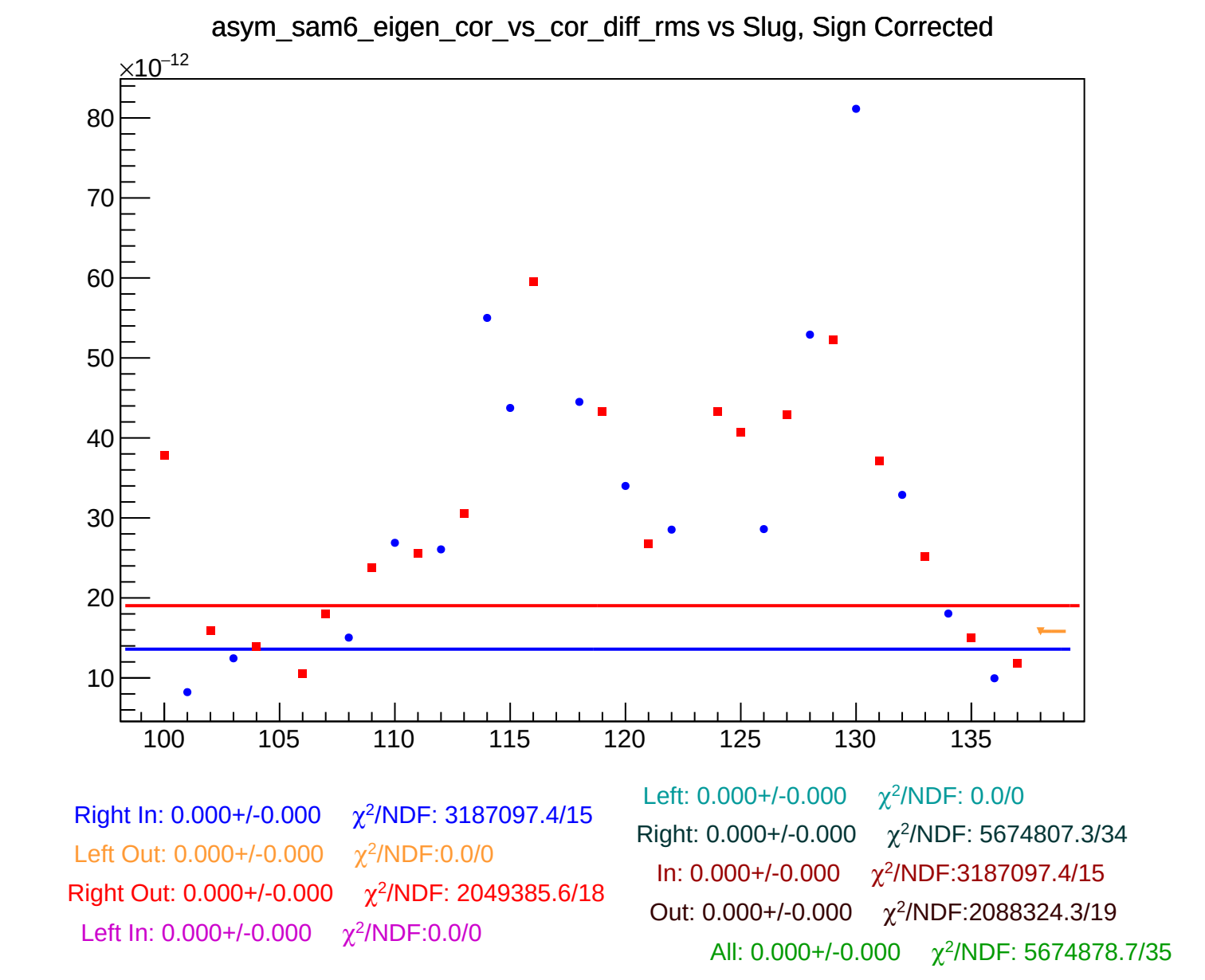
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

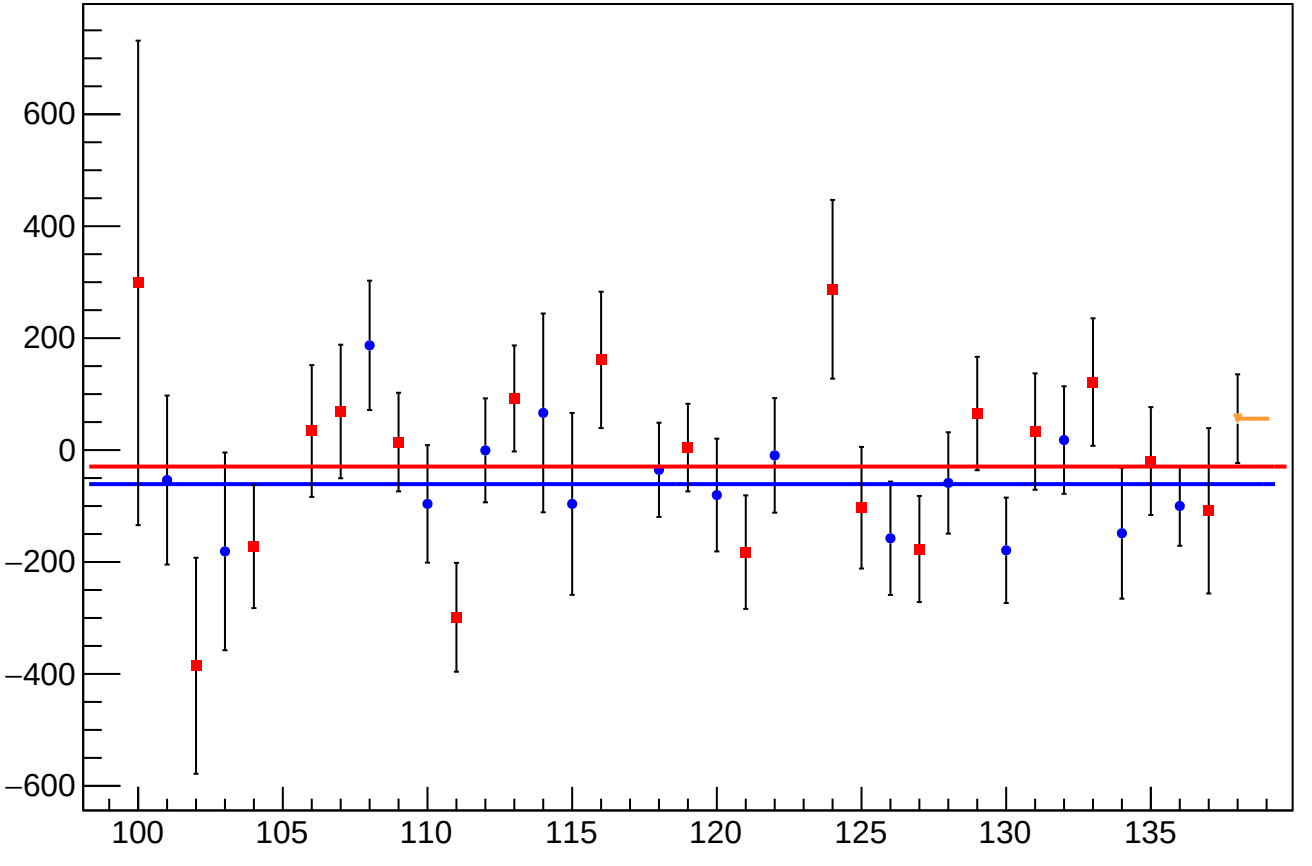
In: -0.000+/-0.000 χ^2/NDF:16.6/15

Out: 0.000+/-0.000 χ^2/NDF:16.4/19

All: 0.000+/-0.000 χ^2/NDF: 33.8/35


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:3187097.4/15
Out: 0.000+/-0.000 χ²/NDF:2088324.3/19
All: 0.000+/-0.000 χ²/NDF: 5674878.7/35

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 56.072+/-79.305 χ^2/NDF:0.0/0

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 56.072+/-79.305 χ^2/NDF: 0.0/0

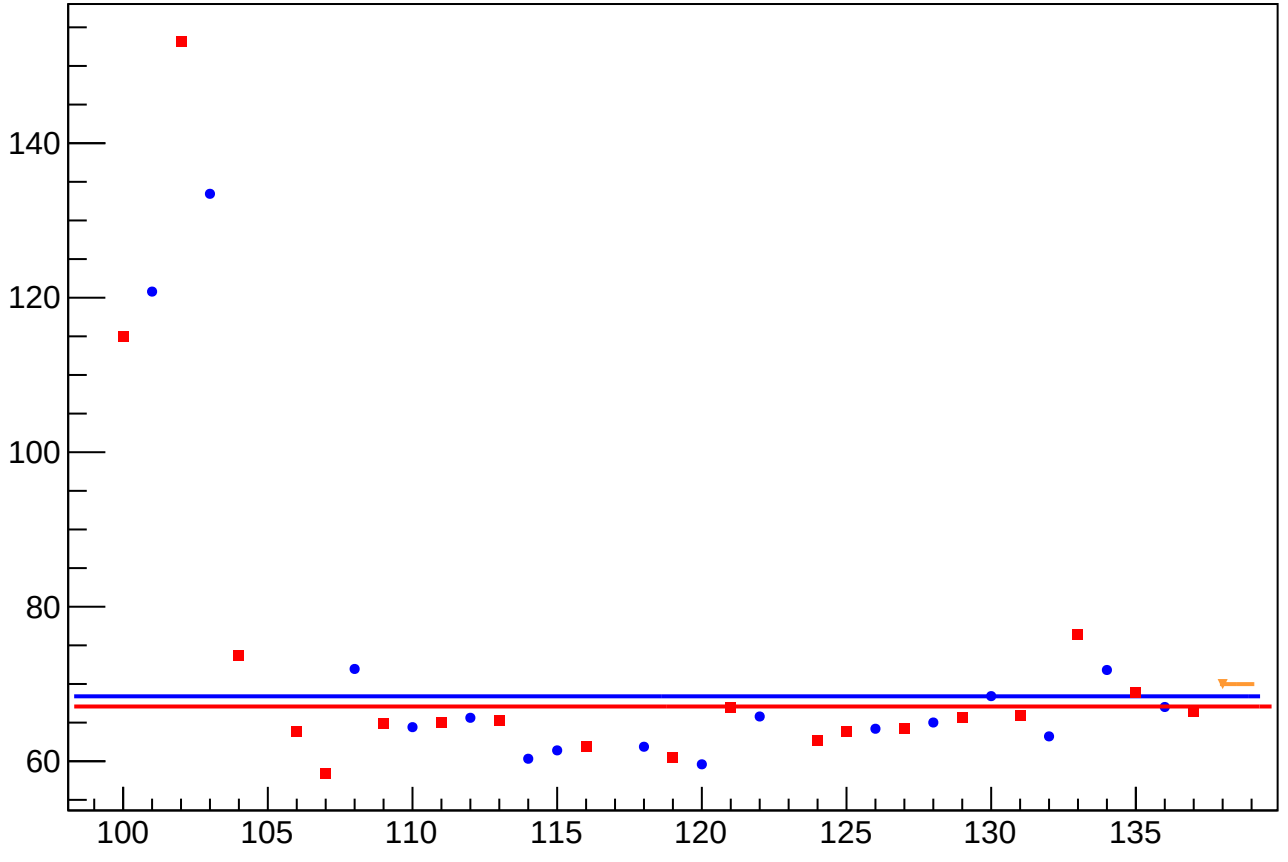
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: -60.846+/-26.054 χ^2/NDF:10.6/15

Out: -21.663+/-23.935 χ^2/NDF:32.3/19

All: -39.597+/-17.626 χ^2/NDF: 44.1/35

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 69.984+/-0.056 χ^2/NDF:0.0/0

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

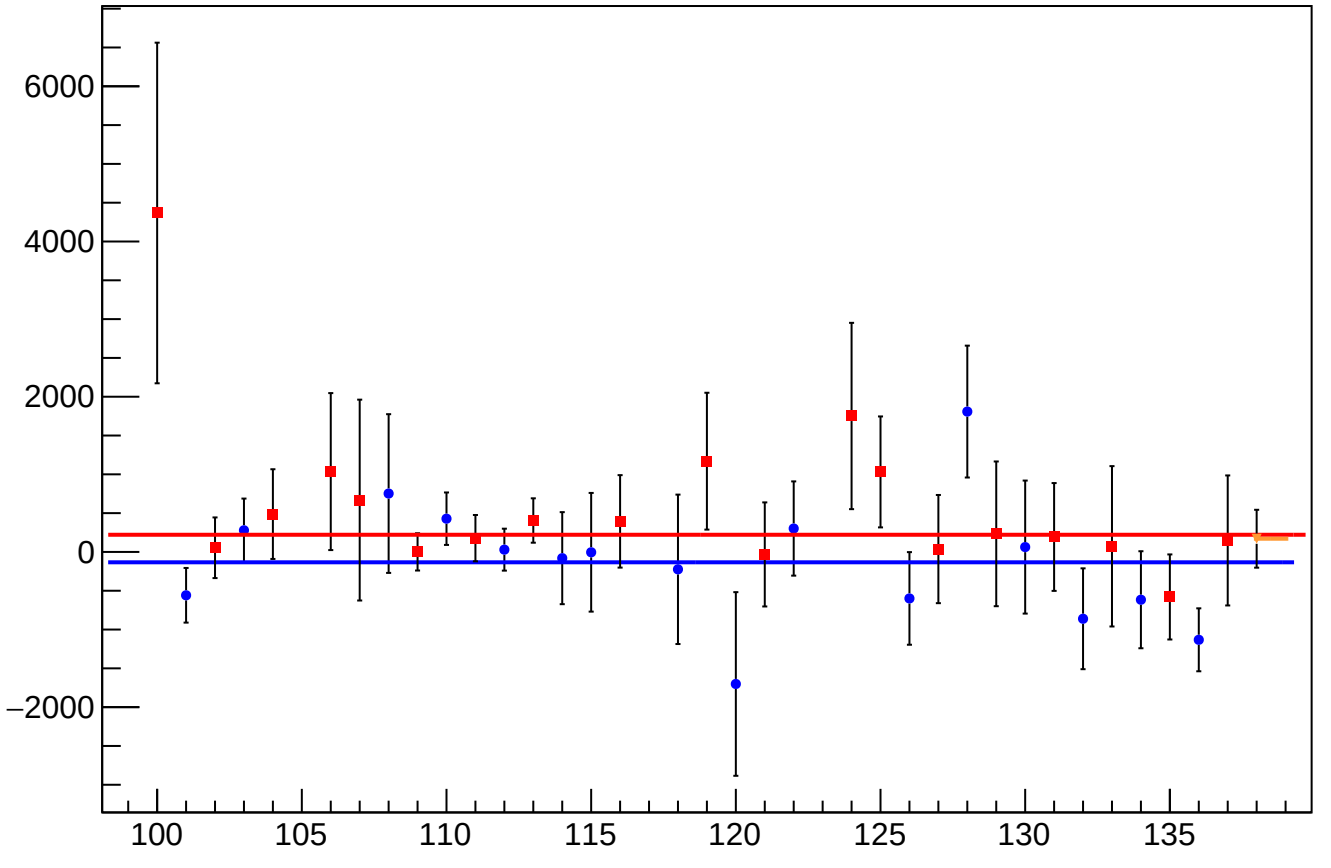
Left: 69.984+/-0.056 χ^2/NDF: 0.0/0

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 68.403+/-0.018 χ^2/NDF:569557.5/15

Out: 67.350+/-0.017 χ^2/NDF:484243.0/19

All: 67.832+/-0.012 χ^2/NDF: 1055574.1/35



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: 170.140+/-372.941 χ^2/NDF:0.0/0

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

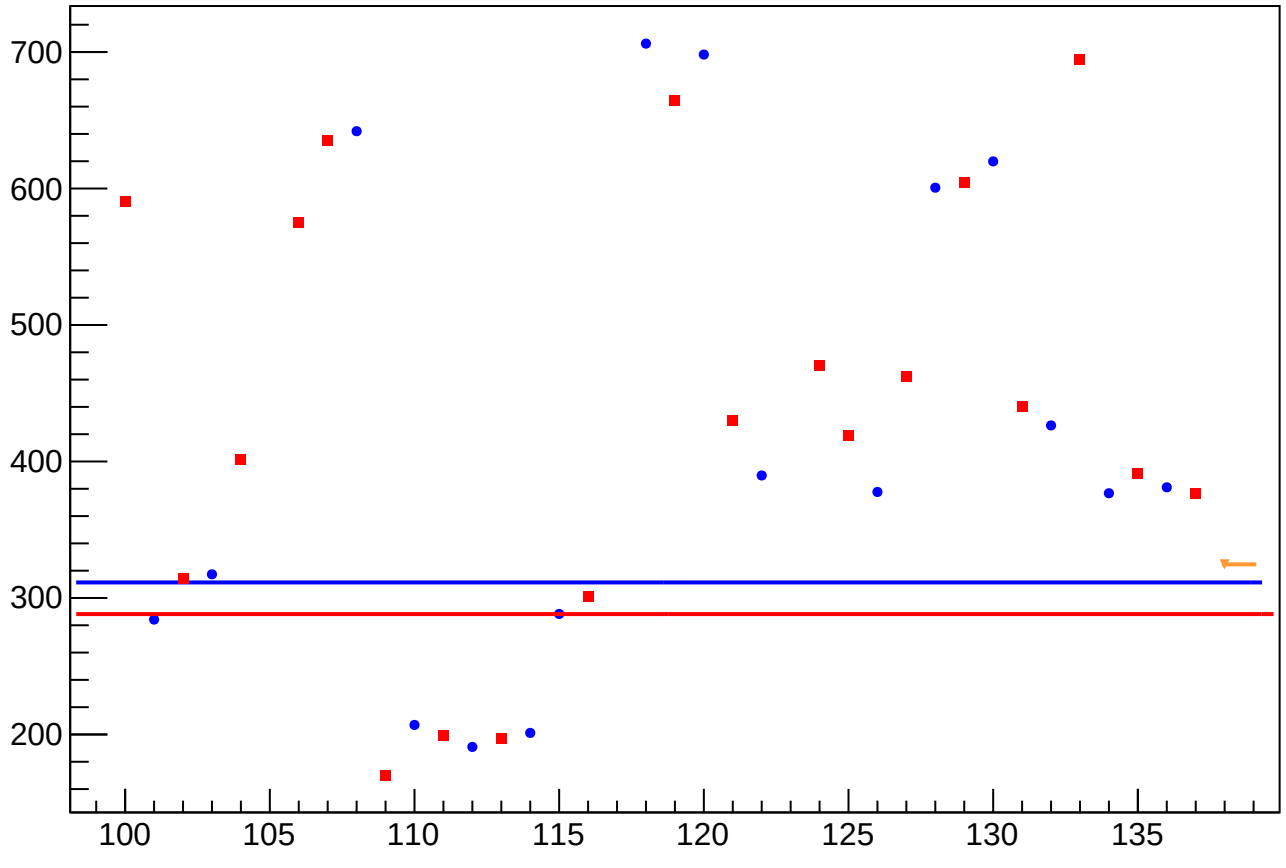
Left: 170.140+/-372.941 χ^2/NDF: 0.0/0

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -133.590+/-125.904 χ^2/NDF:22.5/15

Out: 216.682+/-112.314 χ^2/NDF:12.6/19

All: 61.462+/-83.812 χ^2/NDF: 39.3/35



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 324.628+/-0.264 χ^2/NDF:0.0/0

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 324.628+/-0.264 χ^2/NDF: 0.0/0

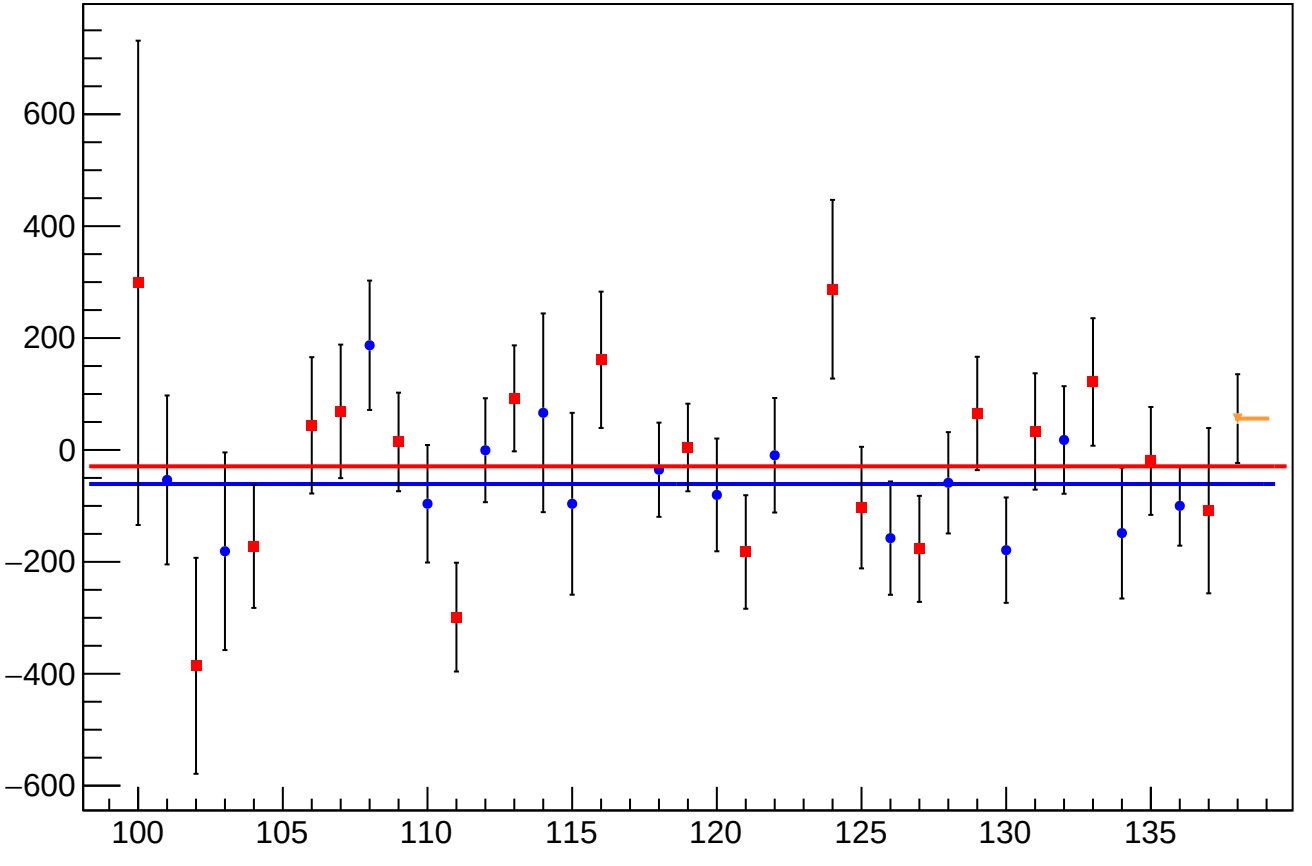
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 311.386+/-0.089 χ^2/NDF:2123797.6/15

Out: 291.508+/-0.079 χ^2/NDF:2732726.8/19

All: 300.317+/-0.059 χ^2/NDF: 4884285.9/35

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 56.072+/-79.305 χ^2/NDF:0.0/0

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 56.072+/-79.305 χ^2/NDF: 0.0/0

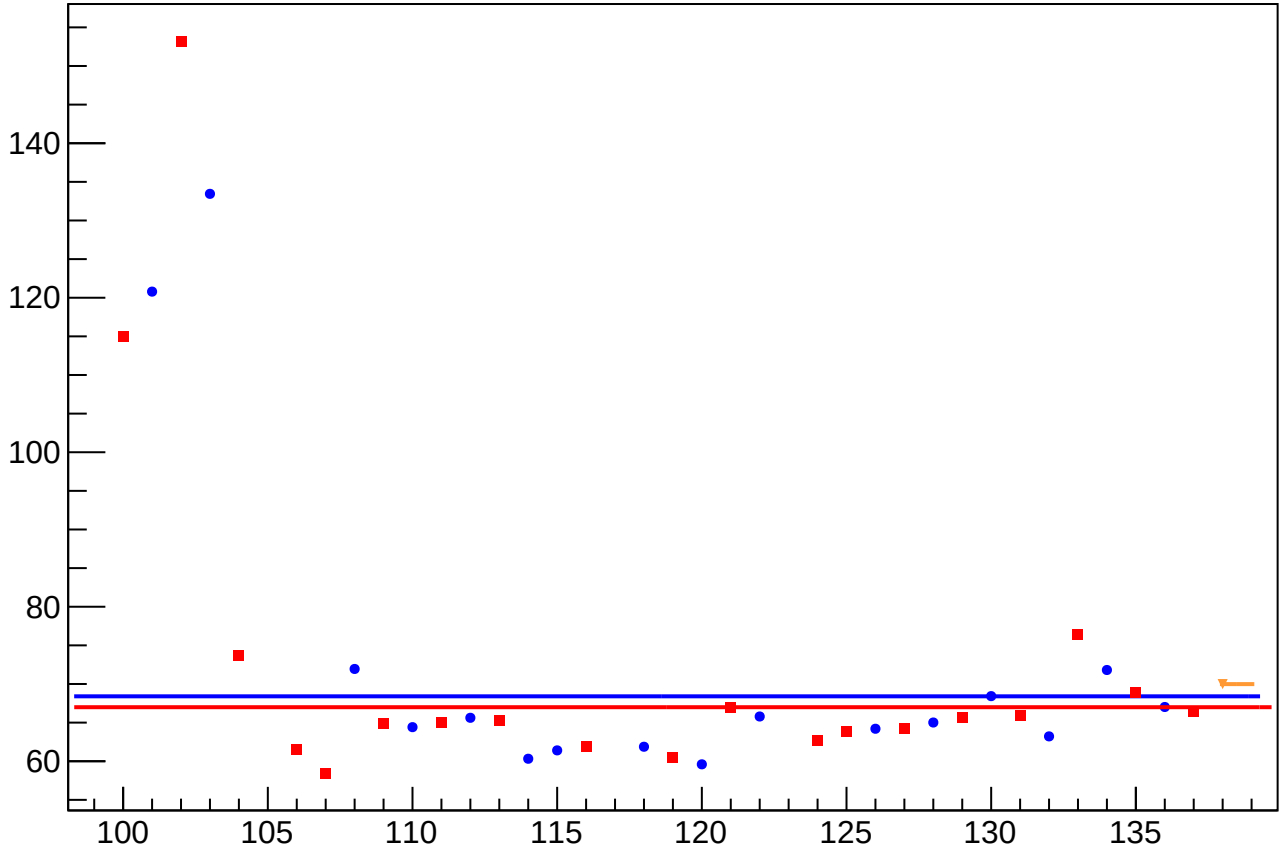
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: -60.848+/-26.054 χ^2/NDF:10.6/15

Out: -21.430+/-23.967 χ^2/NDF:32.3/19

All: -39.498+/-17.639 χ^2/NDF: 44.1/35

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 69.984+/-0.056 χ^2/NDF:0.0/0

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

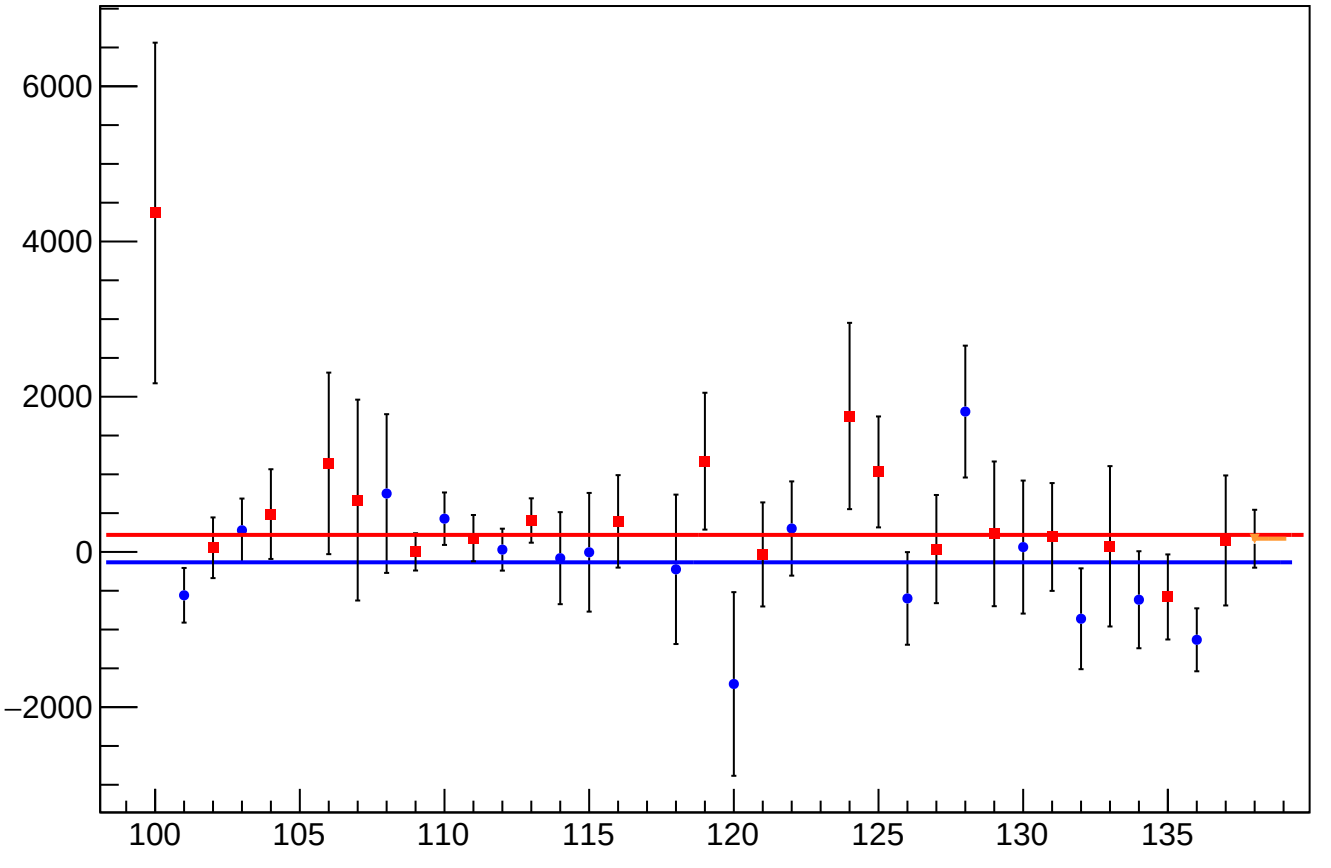
Left: 69.984+/-0.056 χ^2/NDF: 0.0/0

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 68.403+/-0.018 χ^2/NDF:569557.9/15

Out: 67.268+/-0.017 χ^2/NDF:487069.9/19

All: 67.788+/-0.012 χ^2/NDF: 1058685.9/35



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: 170.148+/-372.939 χ^2/NDF:0.0/0

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 170.148+/-372.939 χ^2/NDF: 0.0/0

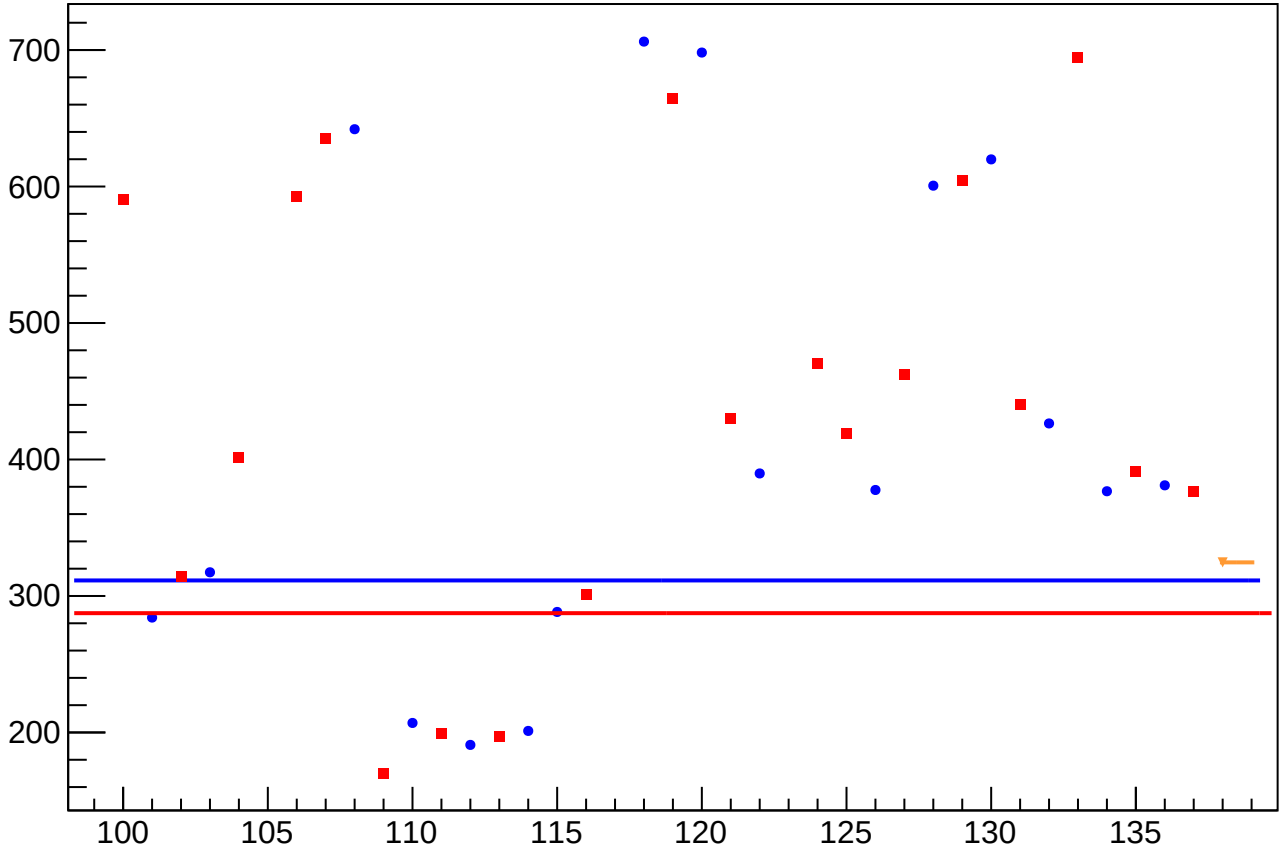
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -133.587+/-125.904 χ^2/NDF:22.5/15

Out: 215.114+/-112.494 χ^2/NDF:12.5/19

All: 60.317+/-83.887 χ^2/NDF: 39.3/35

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 324.626+/-0.264 χ^2/NDF:0.0/0

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

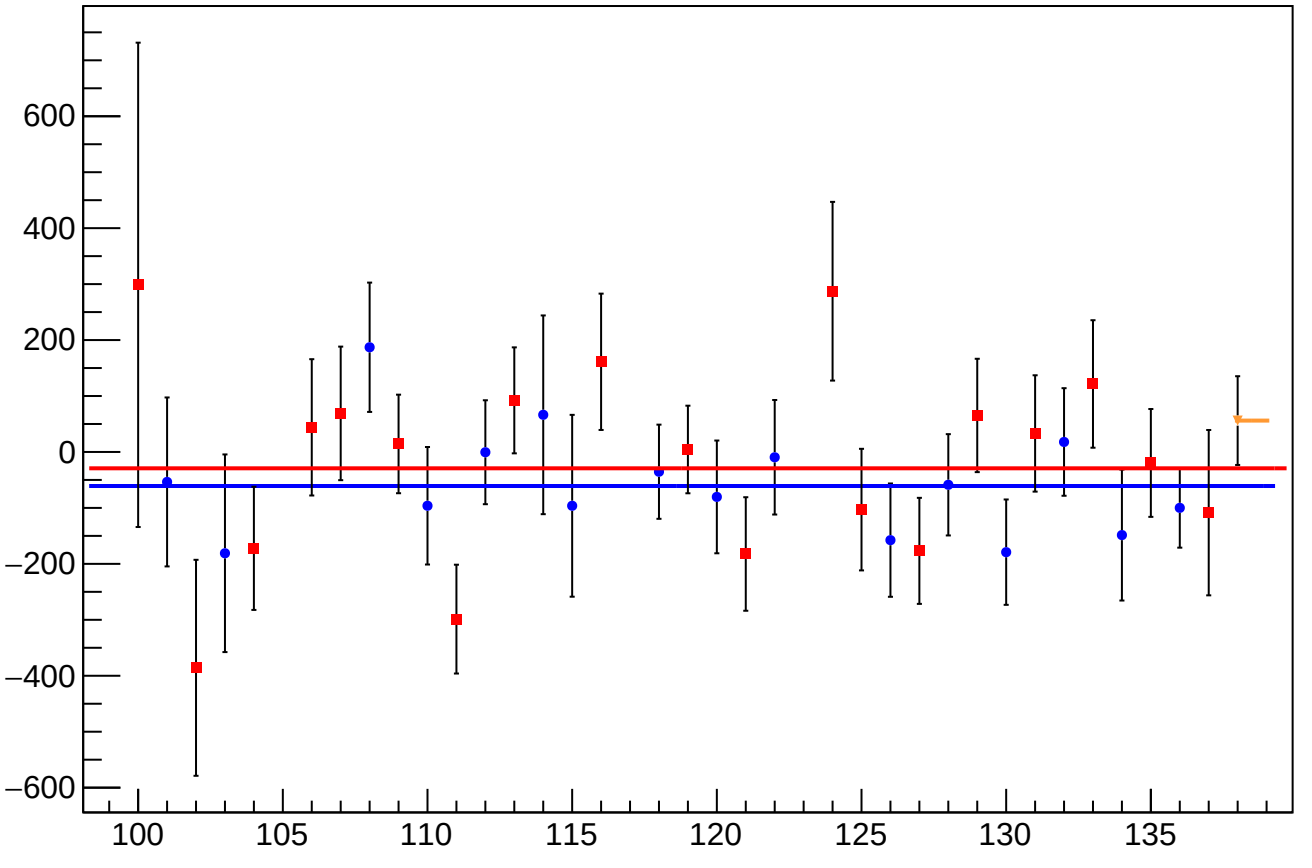
Left: 324.626+/-0.264 χ^2/NDF: 0.0/0

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 311.388+/-0.089 χ^2/NDF:2123799.0/15

Out: 290.799+/-0.080 χ^2/NDF:2708359.5/19

All: 299.939+/-0.059 χ^2/NDF: 4861899.7/35



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 56.072+/-79.305 χ^2/NDF:0.0/0

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

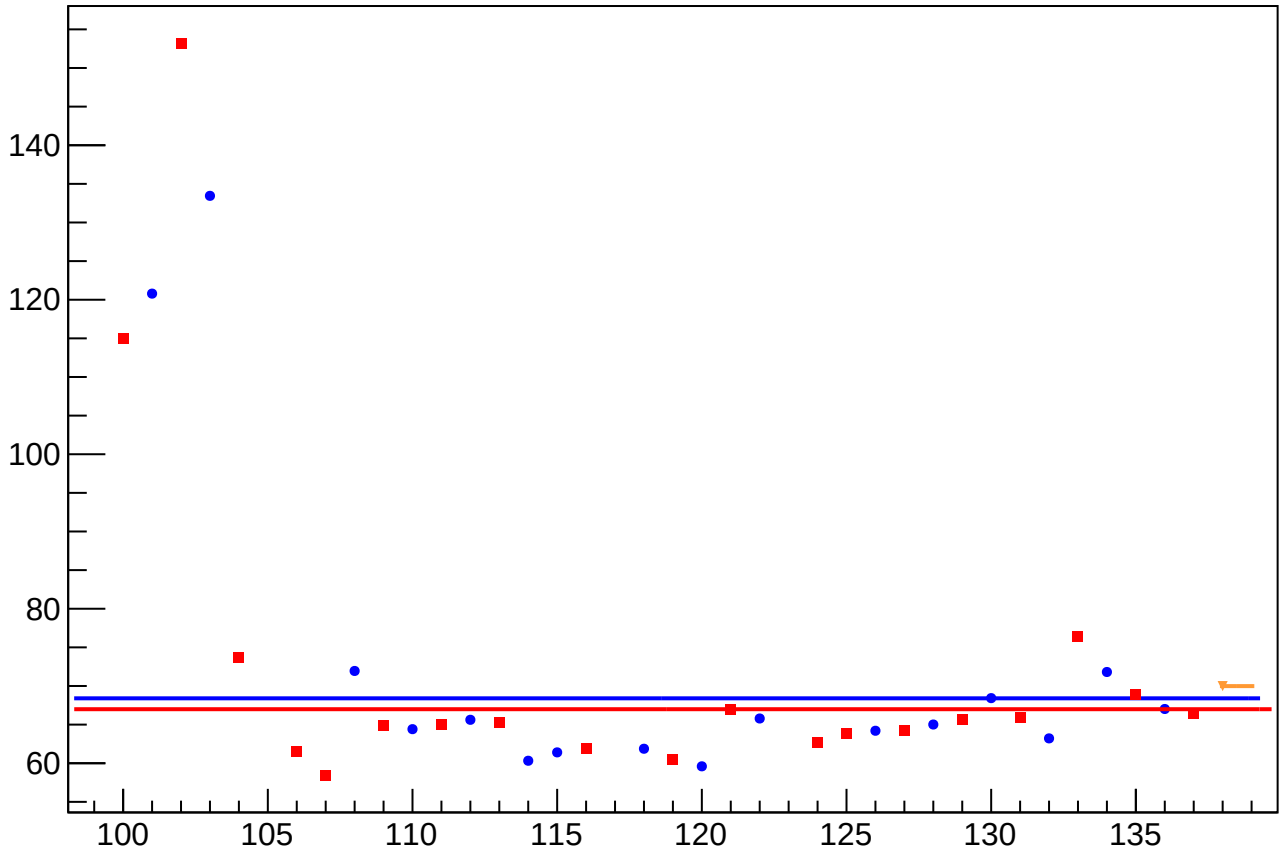
Left: 56.072+/-79.305 χ^2/NDF: 0.0/0

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: -60.848+/-26.054 χ^2/NDF:10.6/15

Out: -21.430+/-23.967 χ^2/NDF:32.3/19

All: -39.498+/-17.639 χ^2/NDF: 44.1/35



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 69.984+/-0.056 χ^2/NDF:0.0/0

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

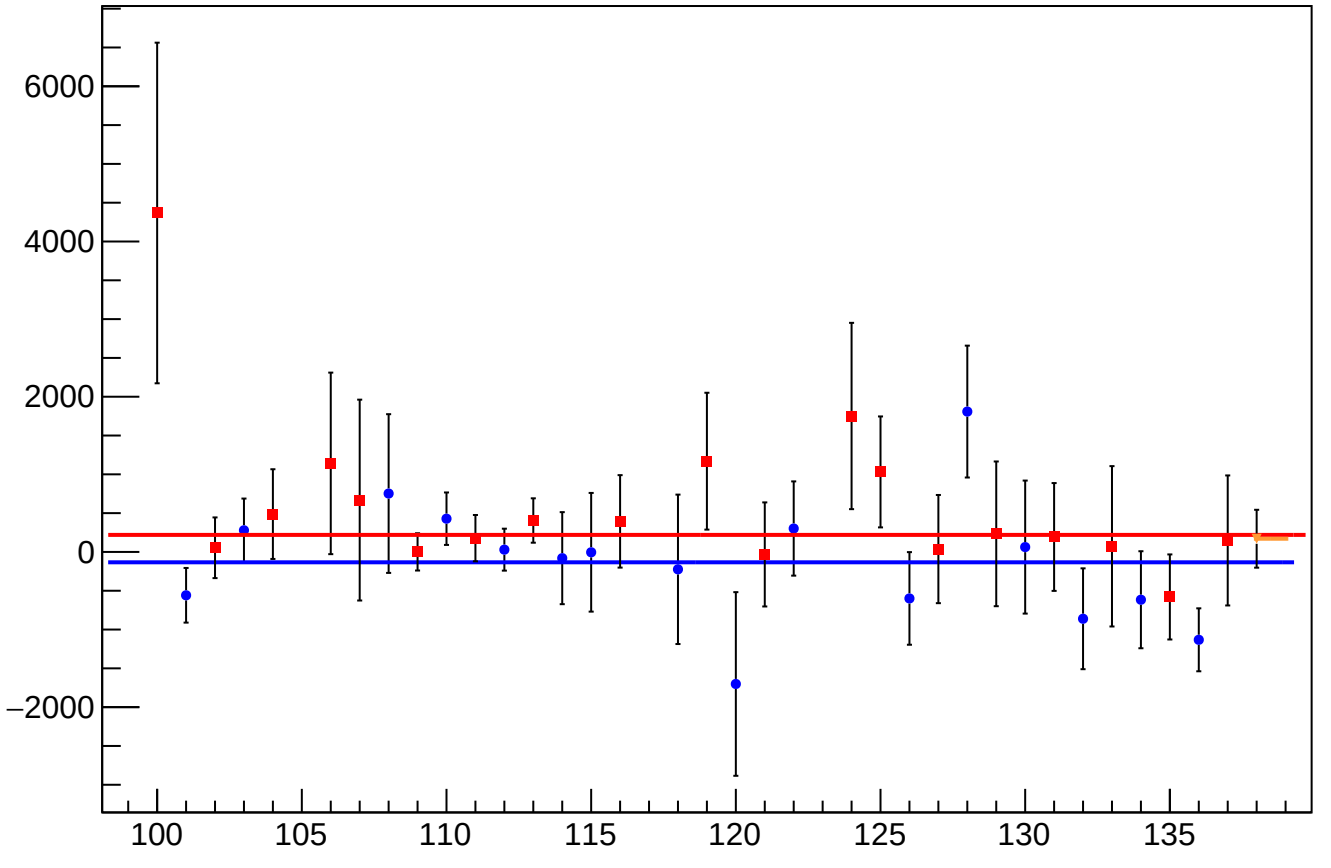
Left: 69.984+/-0.056 χ^2/NDF: 0.0/0

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 68.403+/-0.018 χ^2/NDF:569557.9/15

Out: 67.268+/-0.017 χ^2/NDF:487069.9/19

All: 67.788+/-0.012 χ^2/NDF: 1058685.9/35



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: 170.148+/-372.939 χ^2/NDF:0.0/0

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

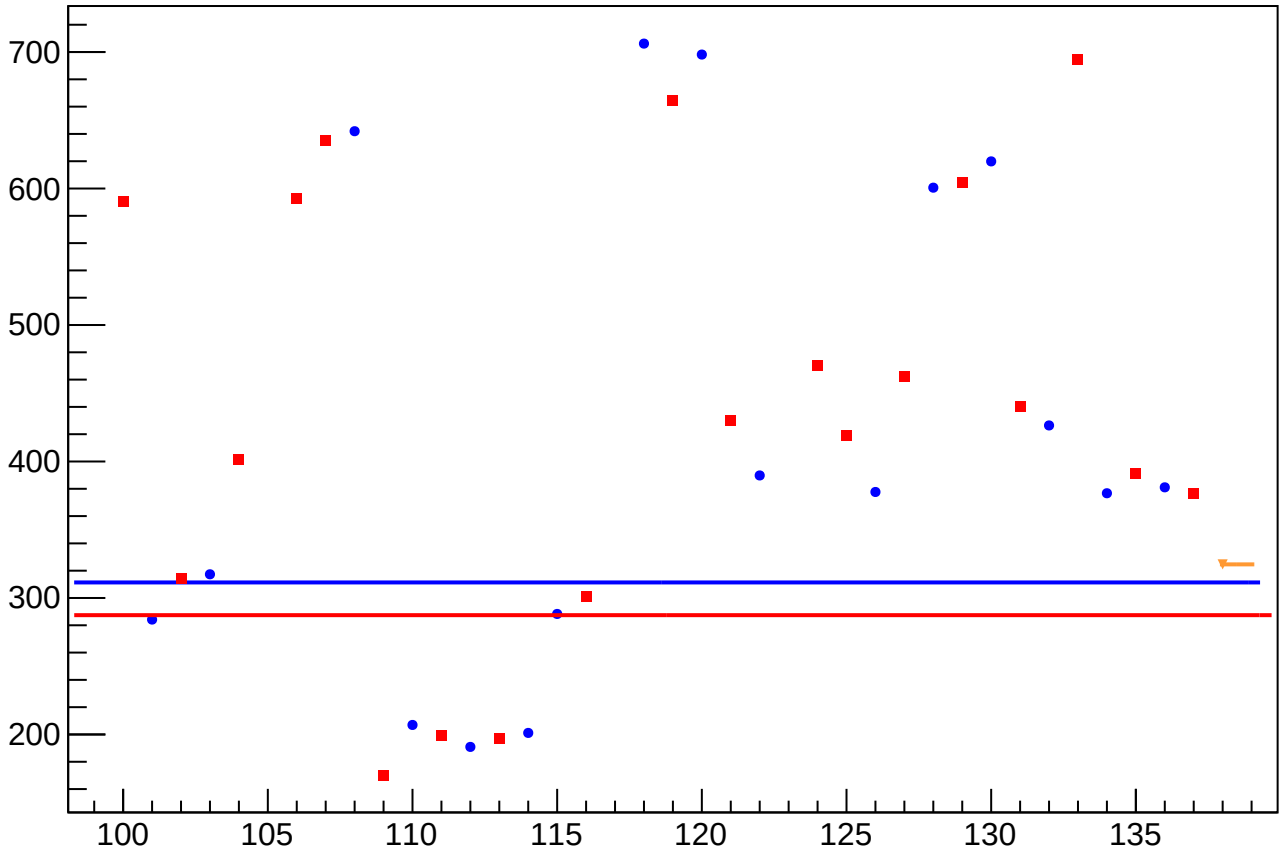
Left: 170.148+/-372.939 χ^2/NDF: 0.0/0

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -133.587+/-125.904 χ^2/NDF:22.5/15

Out: 215.114+/-112.494 χ^2/NDF:12.5/19

All: 60.317+/-83.887 χ^2/NDF: 39.3/35



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 324.626+/-0.264 χ^2/NDF:0.0/0

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

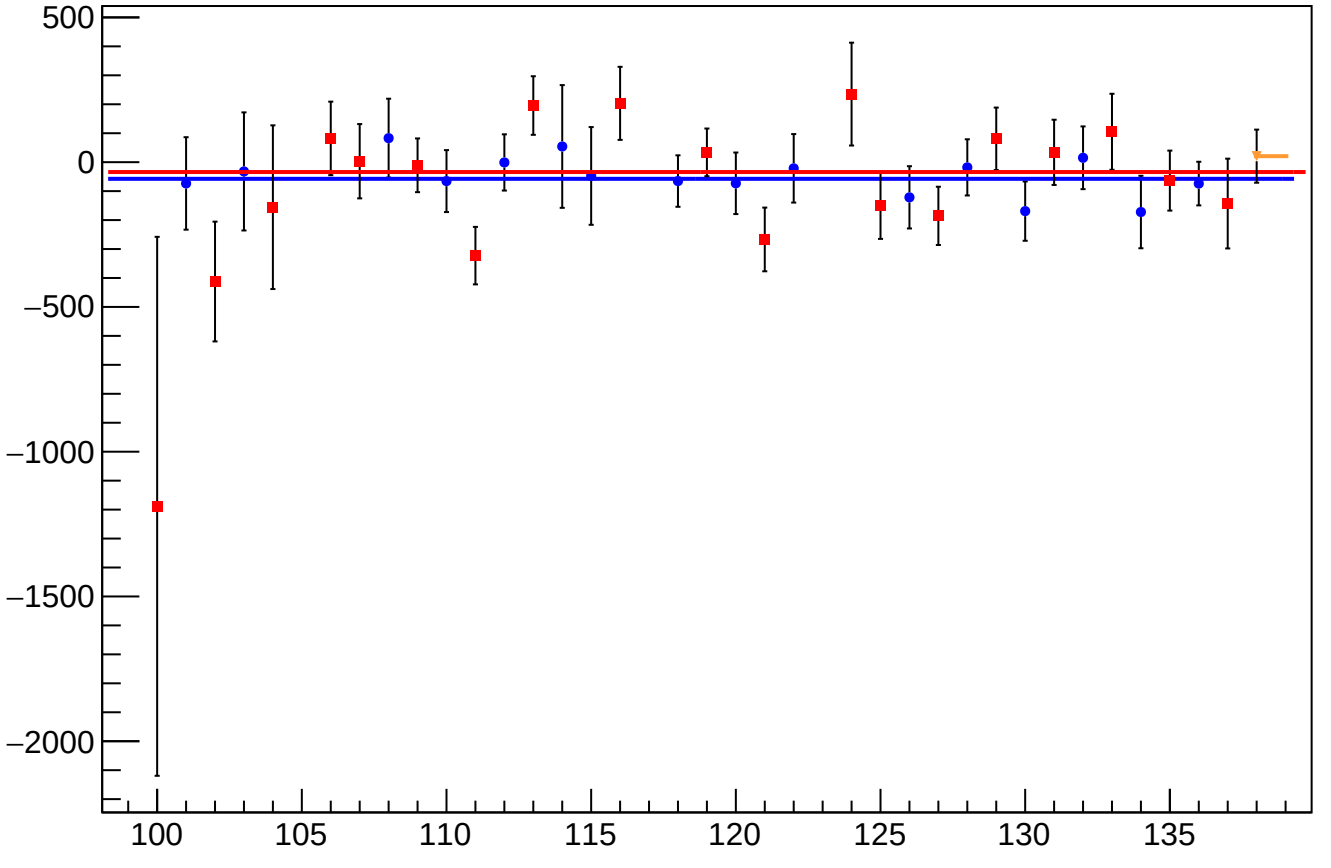
Left: 324.626+/-0.264 χ^2/NDF: 0.0/0

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 311.388+/-0.089 χ^2/NDF:2123799.0/15

Out: 290.799+/-0.080 χ^2/NDF:2708359.5/19

All: 299.939+/-0.059 χ^2/NDF: 4861899.7/35



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 20.756+/-91.713 χ^2/NDF:0.0/0

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 20.756+/-91.713 χ^2/NDF: 0.0/0

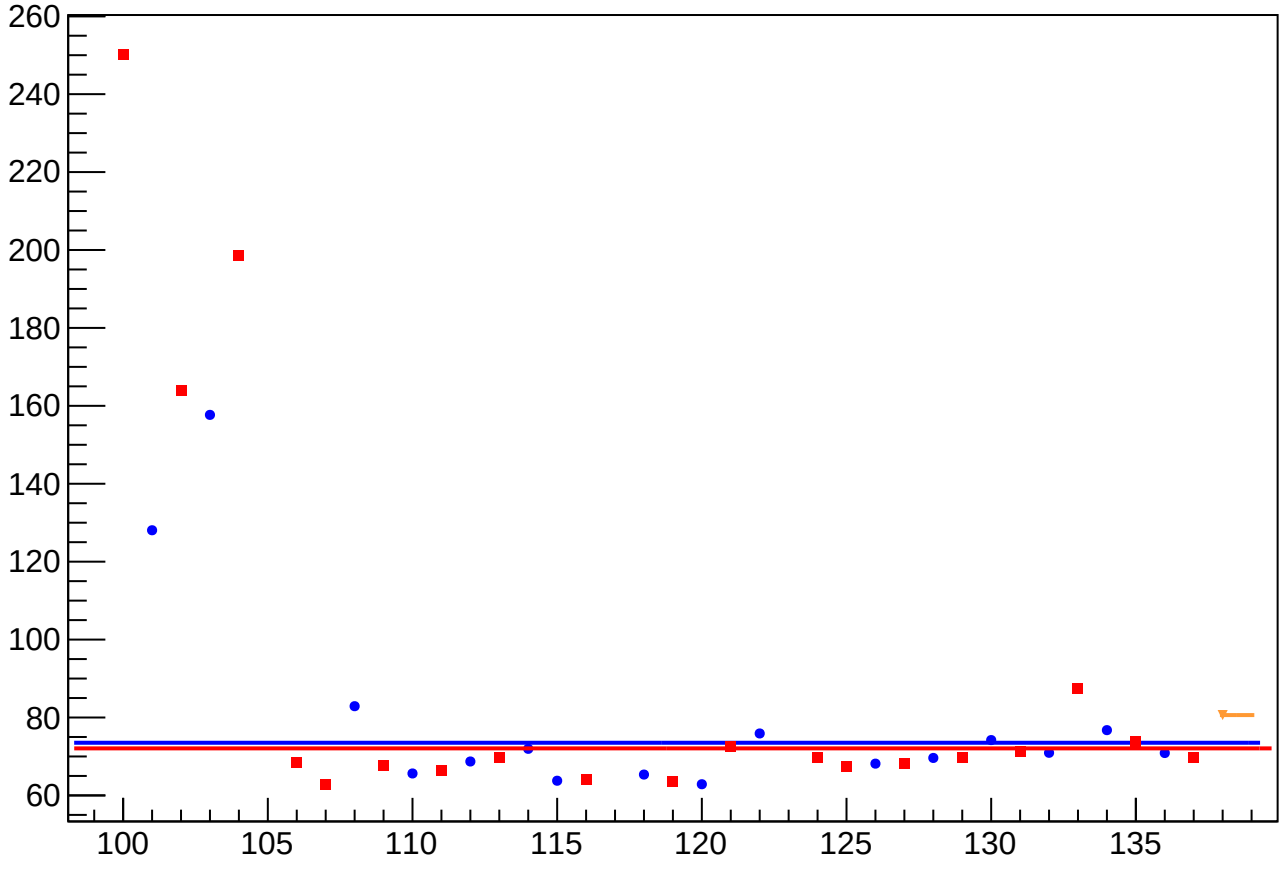
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: -57.533+/-28.087 χ^2/NDF:4.9/15

Out: -29.544+/-26.252 χ^2/NDF:37.5/19

All: -42.594+/-19.179 χ^2/NDF: 42.9/35

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 80.624+/-0.065 χ^2/NDF:0.0/0

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

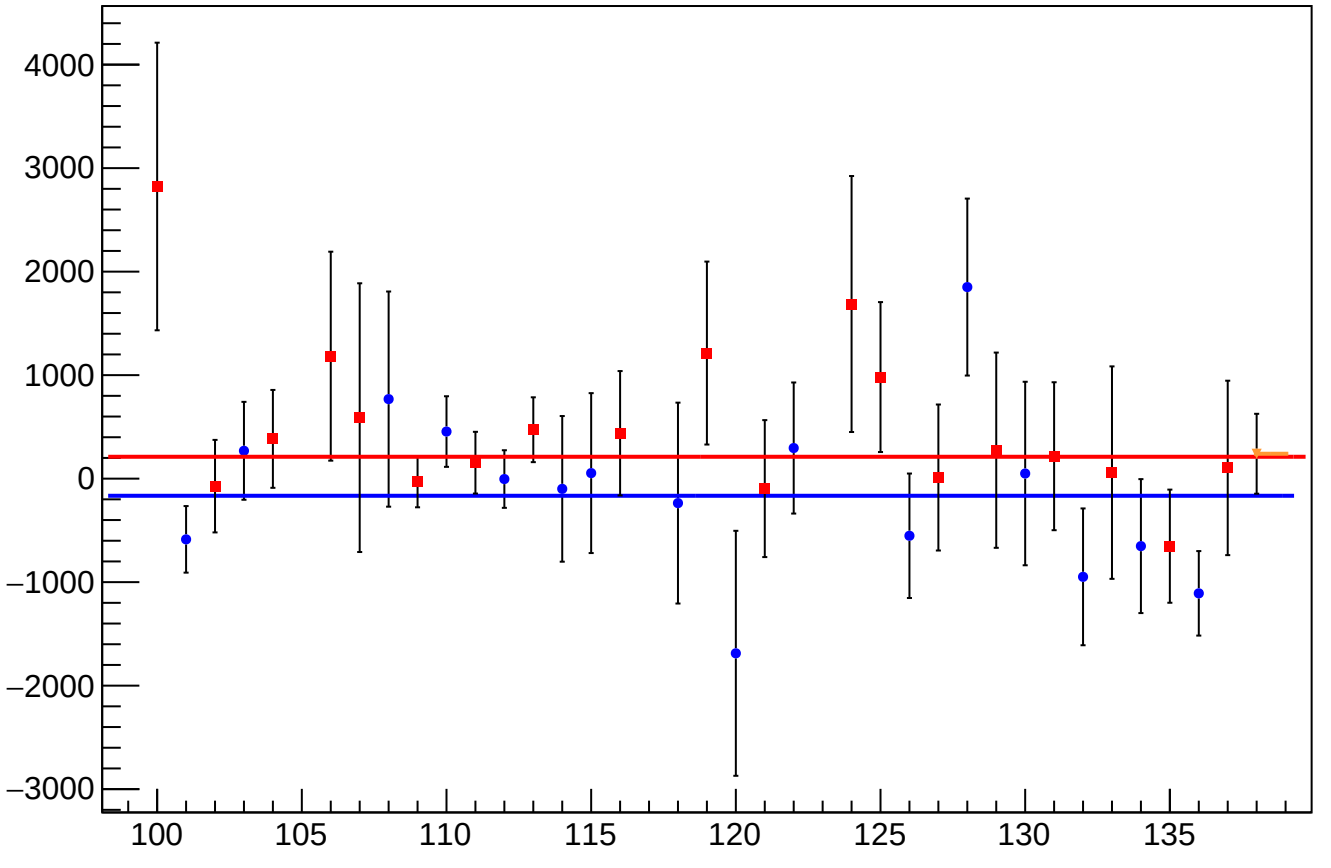
Left: 80.624+/-0.065 χ^2/NDF: 0.0/0

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 73.519+/-0.020 χ^2/NDF:656847.5/15

Out: 72.774+/-0.019 χ^2/NDF:974453.5/19

All: 73.122+/-0.014 χ^2/NDF: 1632051.1/35



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: 240.496+/-385.938 χ^2/NDF:0.0/0

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

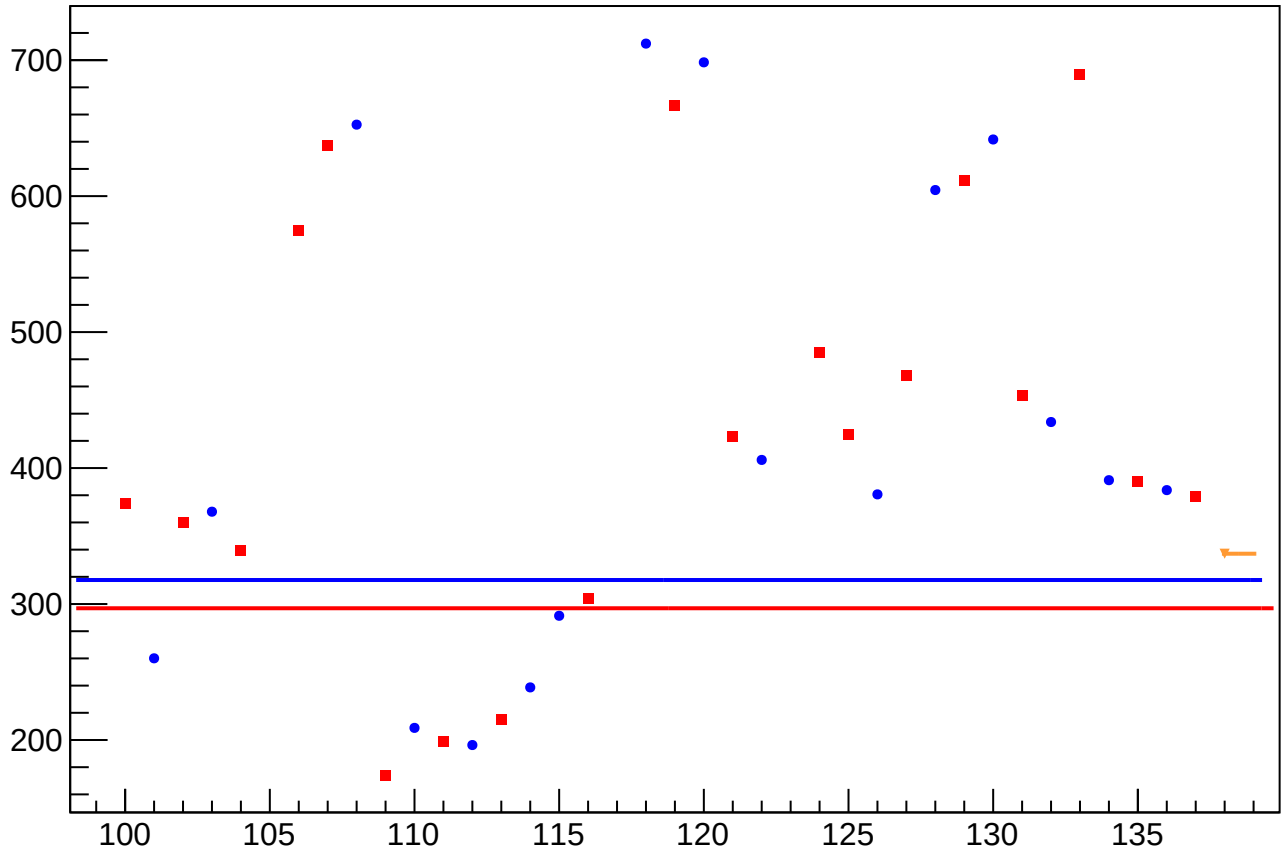
Left: 240.496+/-385.938 χ^2/NDF: 0.0/0

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -165.500+/-128.438 χ^2/NDF:22.6/15

Out: 213.922+/-114.695 χ^2/NDF:13.6/19

All: 45.589+/-85.549 χ^2/NDF: 41.1/35



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 337.003+/-0.273 χ^2/NDF:0.0/0

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

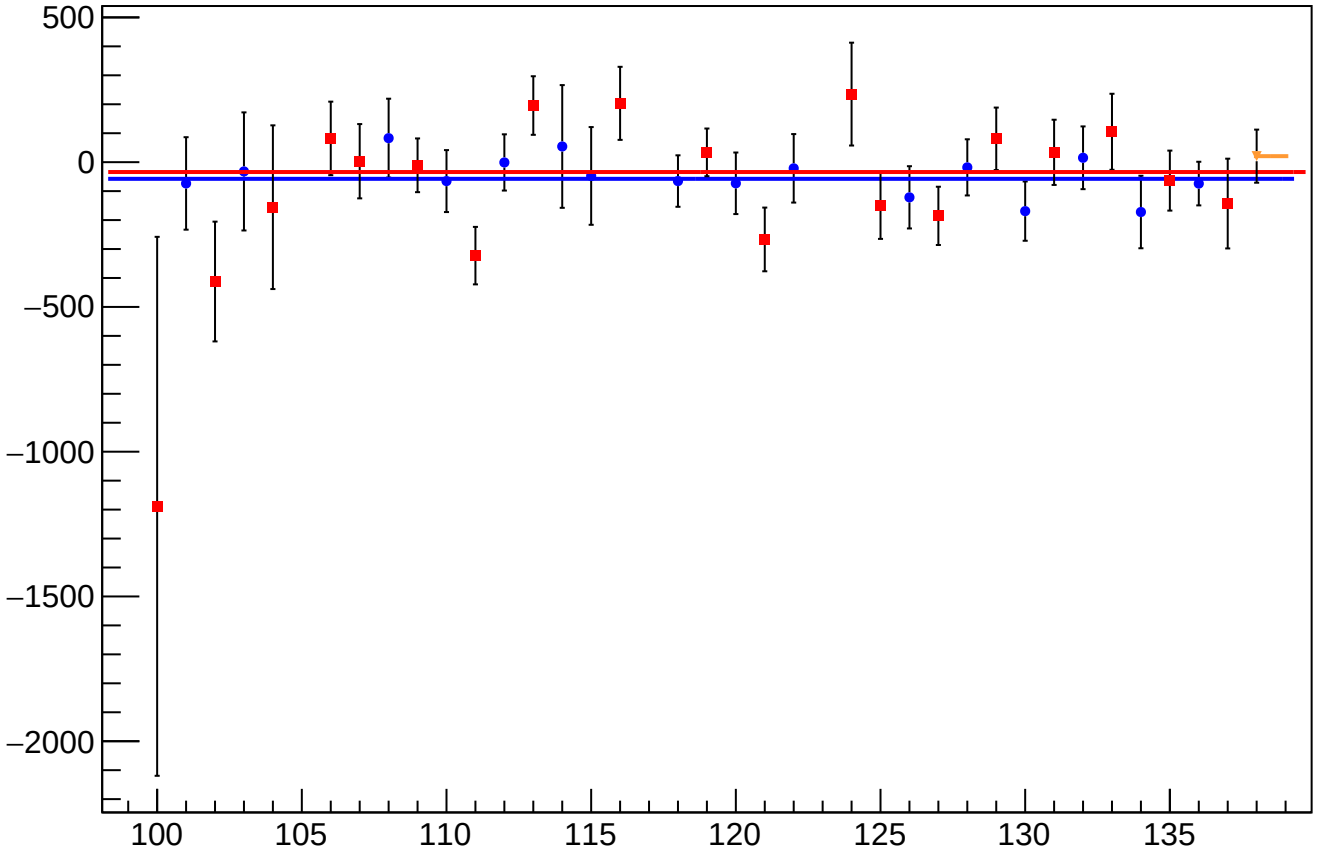
Left: 337.003+/-0.273 χ^2/NDF: 0.0/0

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 317.664+/-0.091 χ^2/NDF:2136192.8/15

Out: 300.431+/-0.081 χ^2/NDF:2560739.8/19

All: 308.076+/-0.060 χ^2/NDF: 4716963.9/35



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 20.752+/-91.713 χ^2/NDF:0.0/0

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 20.752+/-91.713 χ^2/NDF: 0.0/0

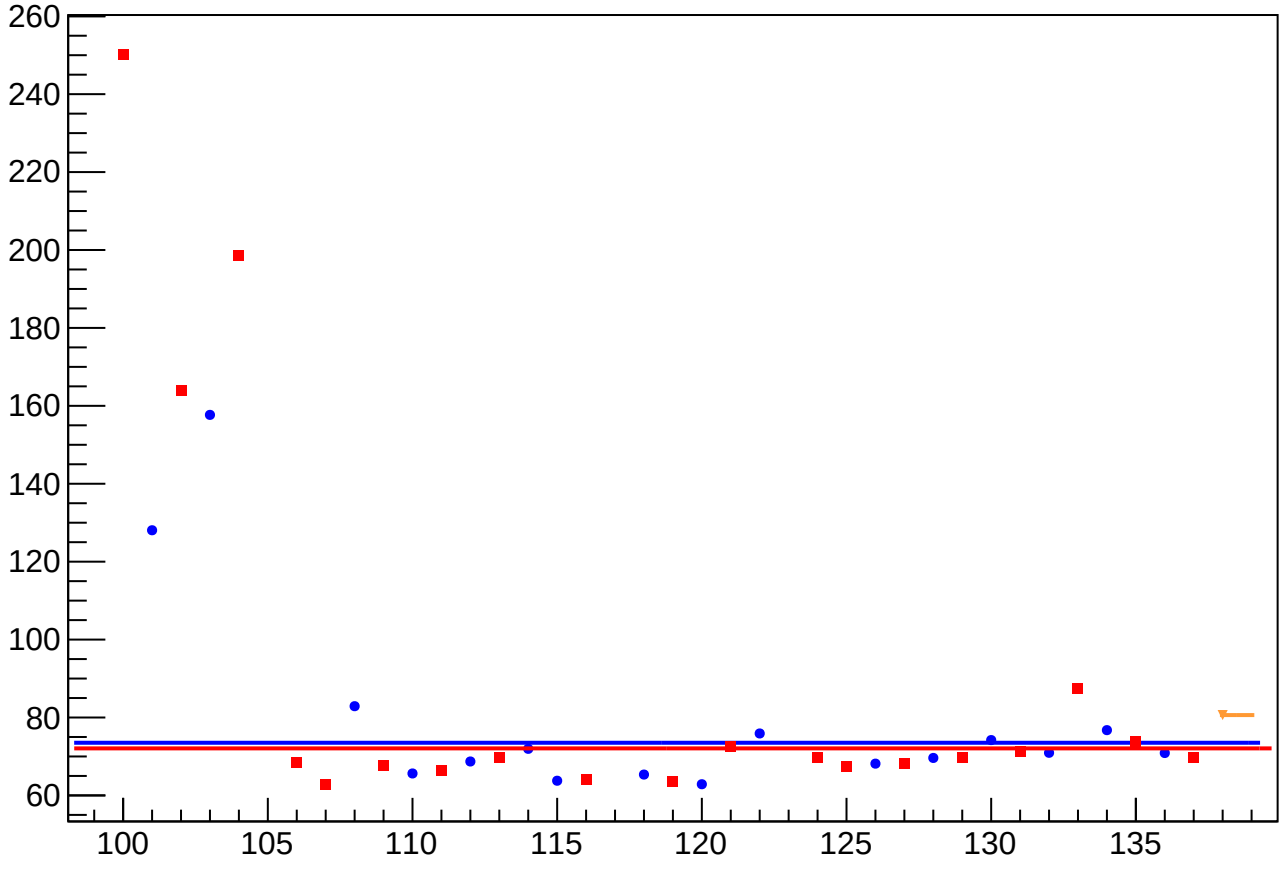
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: -57.532+/-28.087 χ^2/NDF:4.9/15

Out: -29.545+/-26.252 χ^2/NDF:37.5/19

All: -42.594+/-19.179 χ^2/NDF: 42.9/35

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 80.624+/-0.065 χ^2/NDF:0.0/0

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

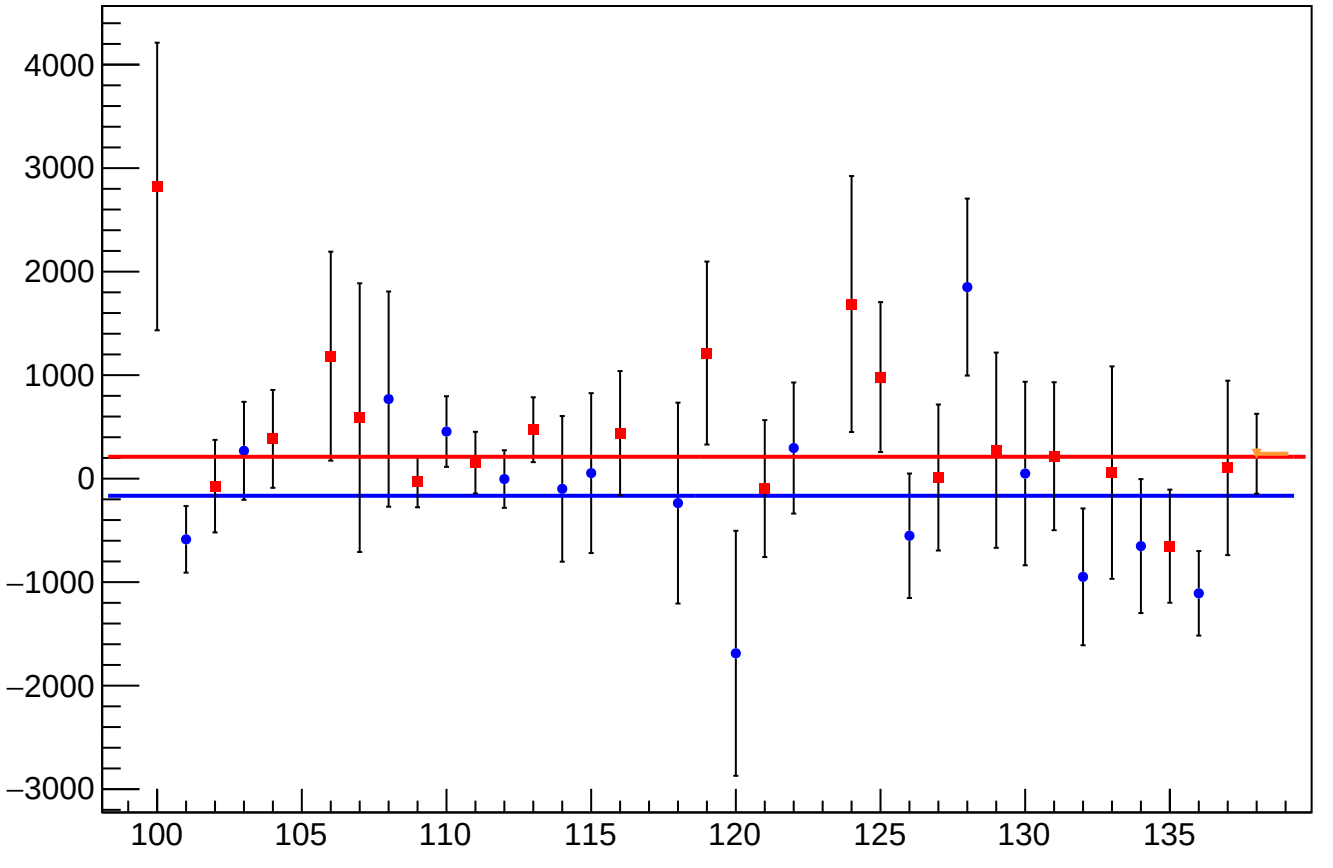
Left: 80.624+/-0.065 χ^2/NDF: 0.0/0

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 73.519+/-0.020 χ^2/NDF:656849.2/15

Out: 72.774+/-0.019 χ^2/NDF:974454.8/19

All: 73.122+/-0.014 χ^2/NDF: 1632054.1/35



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: 240.493+/-385.937 χ^2/NDF:0.0/0

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

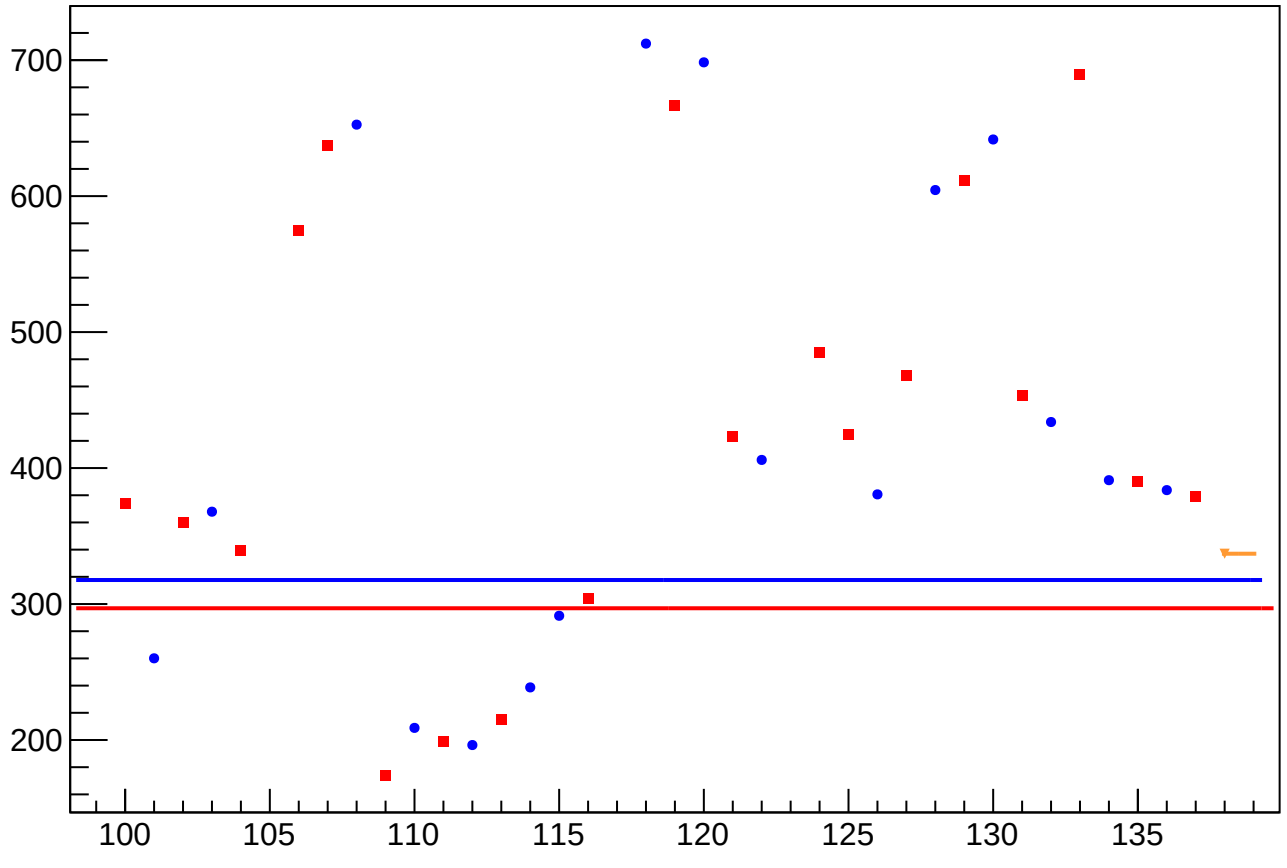
Left: 240.493+/-385.937 χ^2/NDF: 0.0/0

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -165.498+/-128.437 χ^2/NDF:22.6/15

Out: 213.921+/-114.694 χ^2/NDF:13.6/19

All: 45.589+/-85.549 χ^2/NDF: 41.1/35



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 337.003+/-0.273 χ^2/NDF:0.0/0

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 337.003+/-0.273 χ^2/NDF: 0.0/0

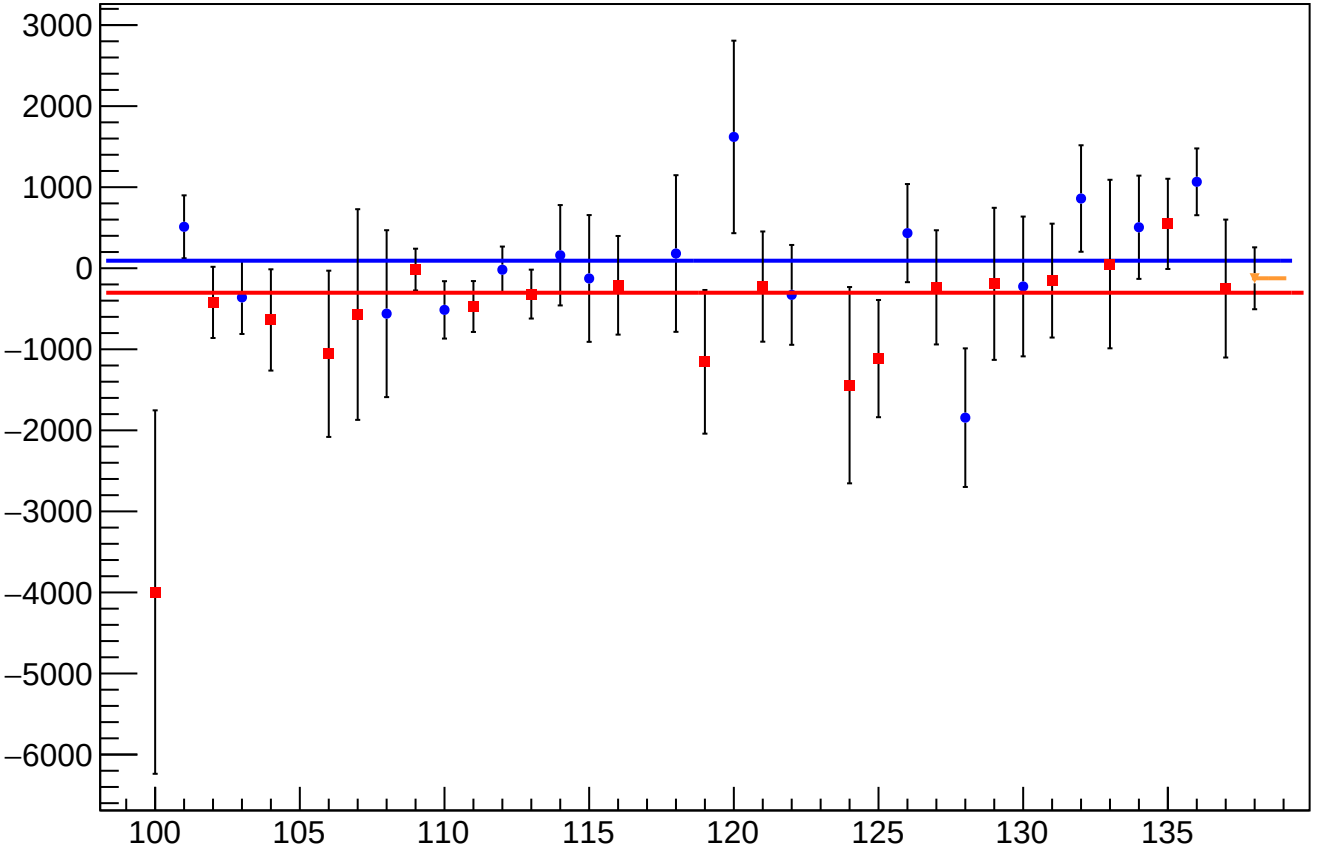
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 317.661+/-0.091 χ^2/NDF:2136224.4/15

Out: 300.430+/-0.081 χ^2/NDF:2560751.8/19

All: 308.075+/-0.060 χ^2/NDF: 4717005.3/35

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: -123.976+/-381.877 χ^2/NDF:0.0/0

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -123.976+/-381.877 χ^2/NDF: 0.0/0

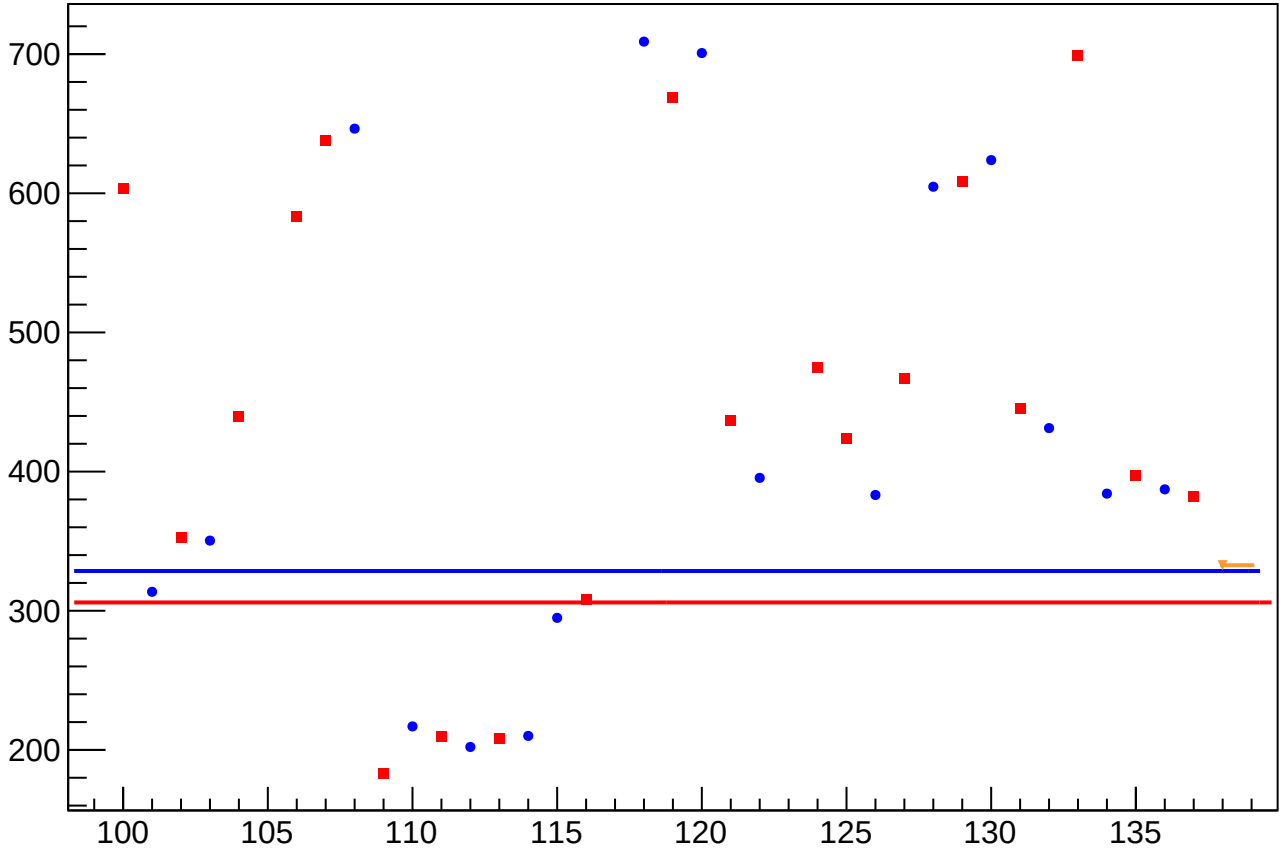
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 92.803+/-131.927 χ^2/NDF:20.8/15

Out: -285.287+/-117.866 χ^2/NDF:11.0/19

All: -117.458+/-87.896 χ^2/NDF: 36.4/35

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 332.758+/-0.270 χ^2/NDF:0.0/0

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

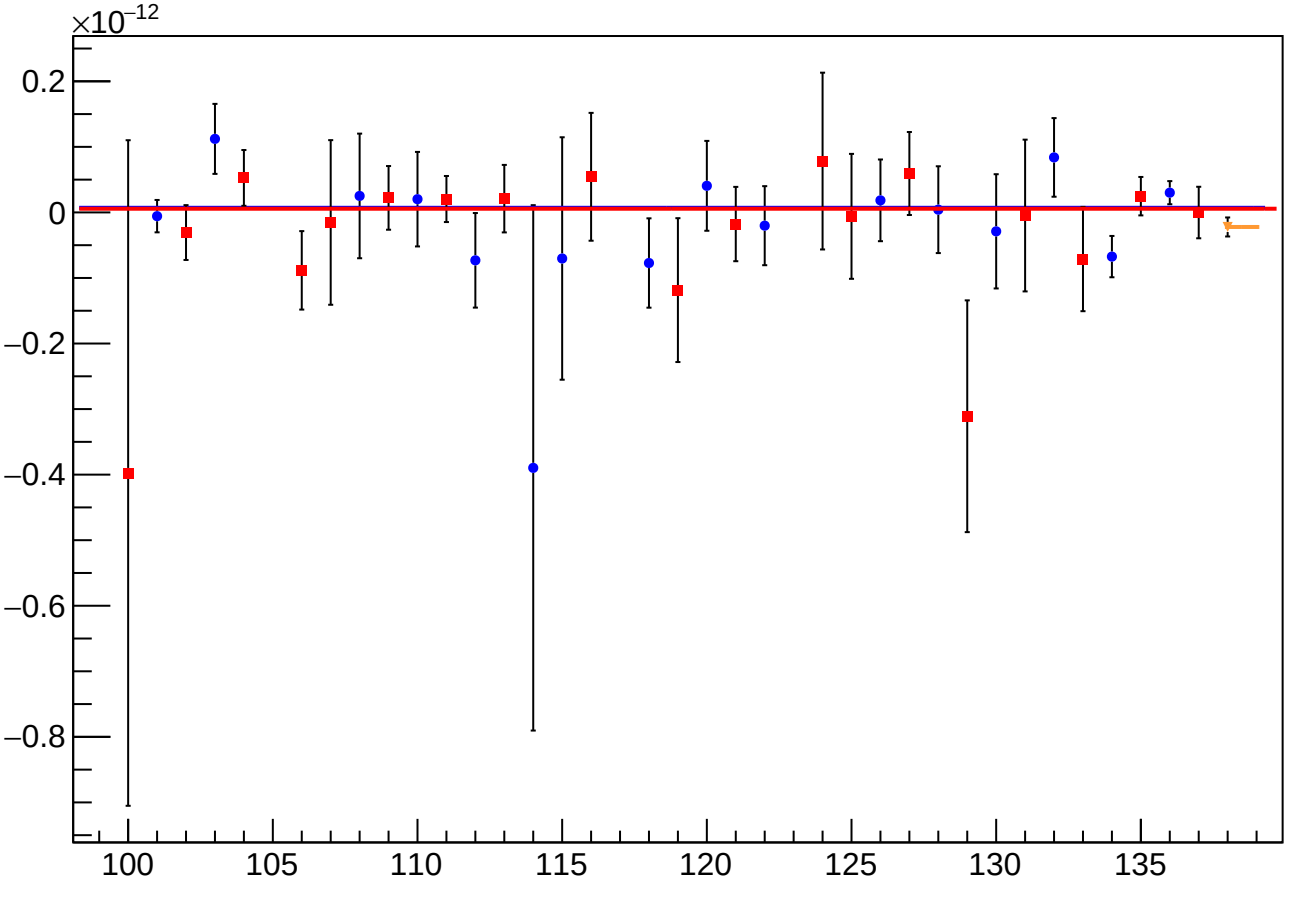
Left: 332.758+/-0.270 χ^2/NDF: 0.0/0

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 328.567+/-0.093 χ^2/NDF:1958873.4/15

Out: 308.539+/-0.083 χ^2/NDF:2536355.3/19

All: 317.429+/-0.062 χ^2/NDF: 4520861.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

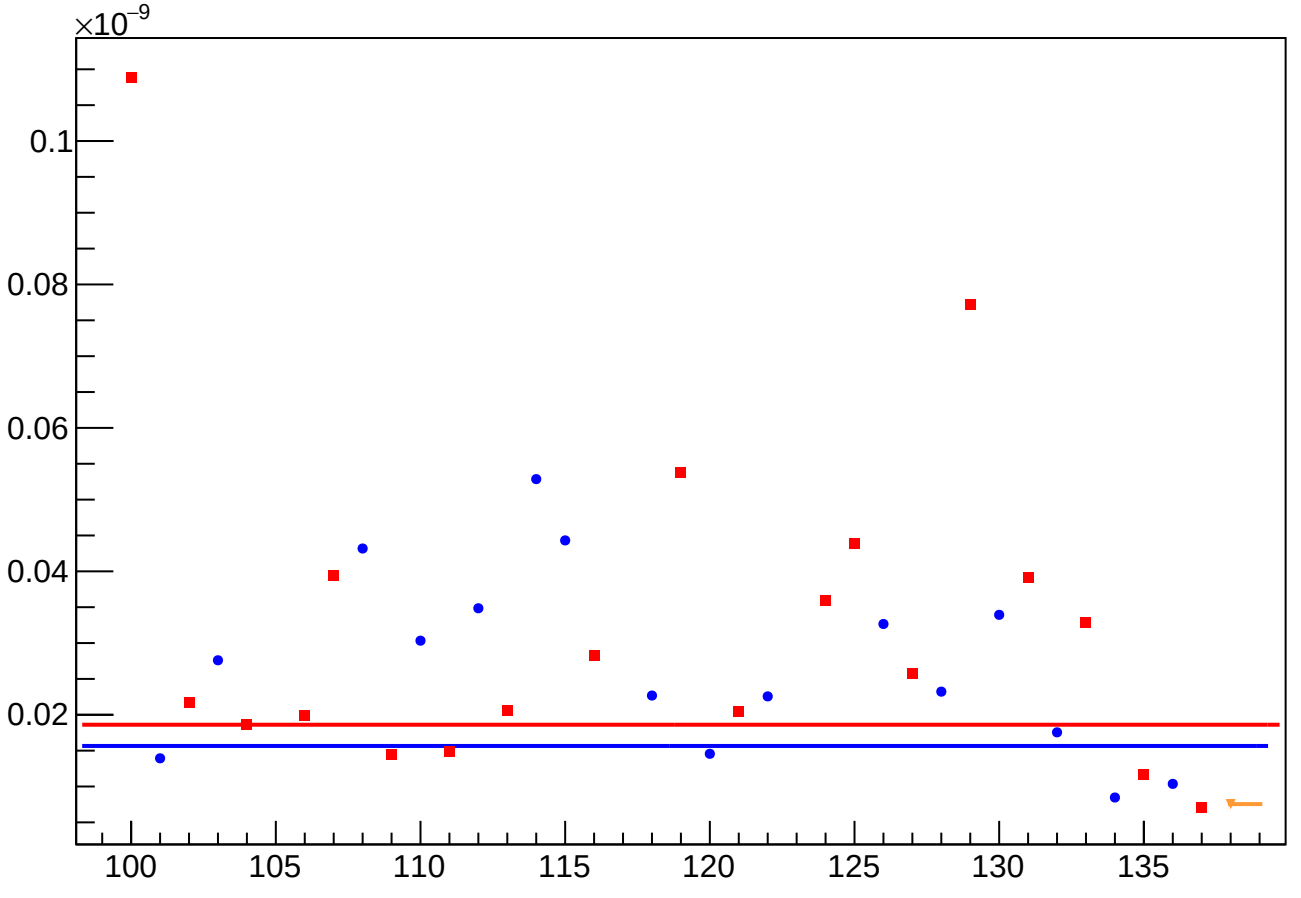
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:17.7/15

Out: -0.000+/-0.000 χ^2/NDF:14.9/19

All: -0.000+/-0.000 χ^2/NDF: 33.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

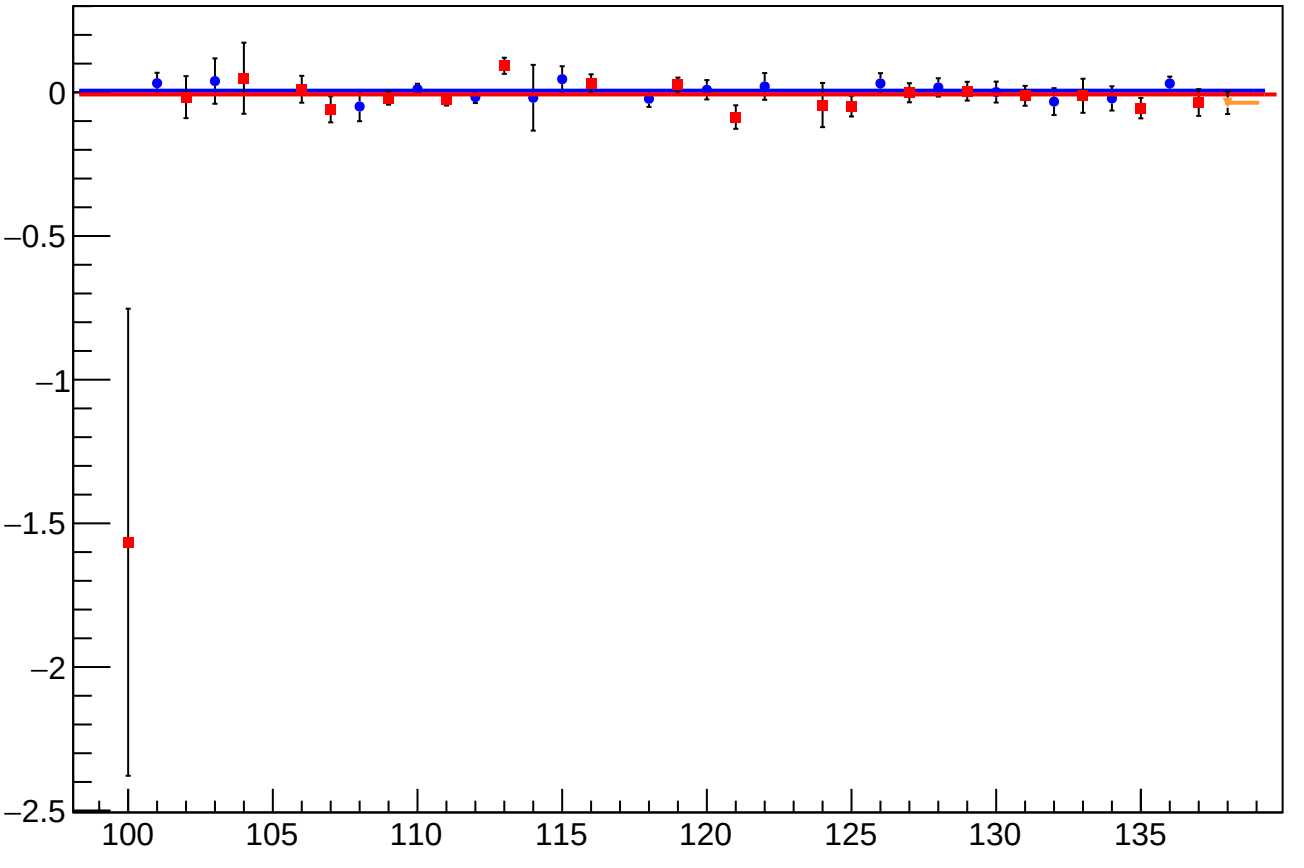
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:1164380.3/15

Out: 0.000+/-0.000 χ^2/NDF:1881570.3/19

All: 0.000+/-0.000 χ^2/NDF: 3079970.5/35



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.036+/-0.039 χ^2/NDF:0.0/0

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

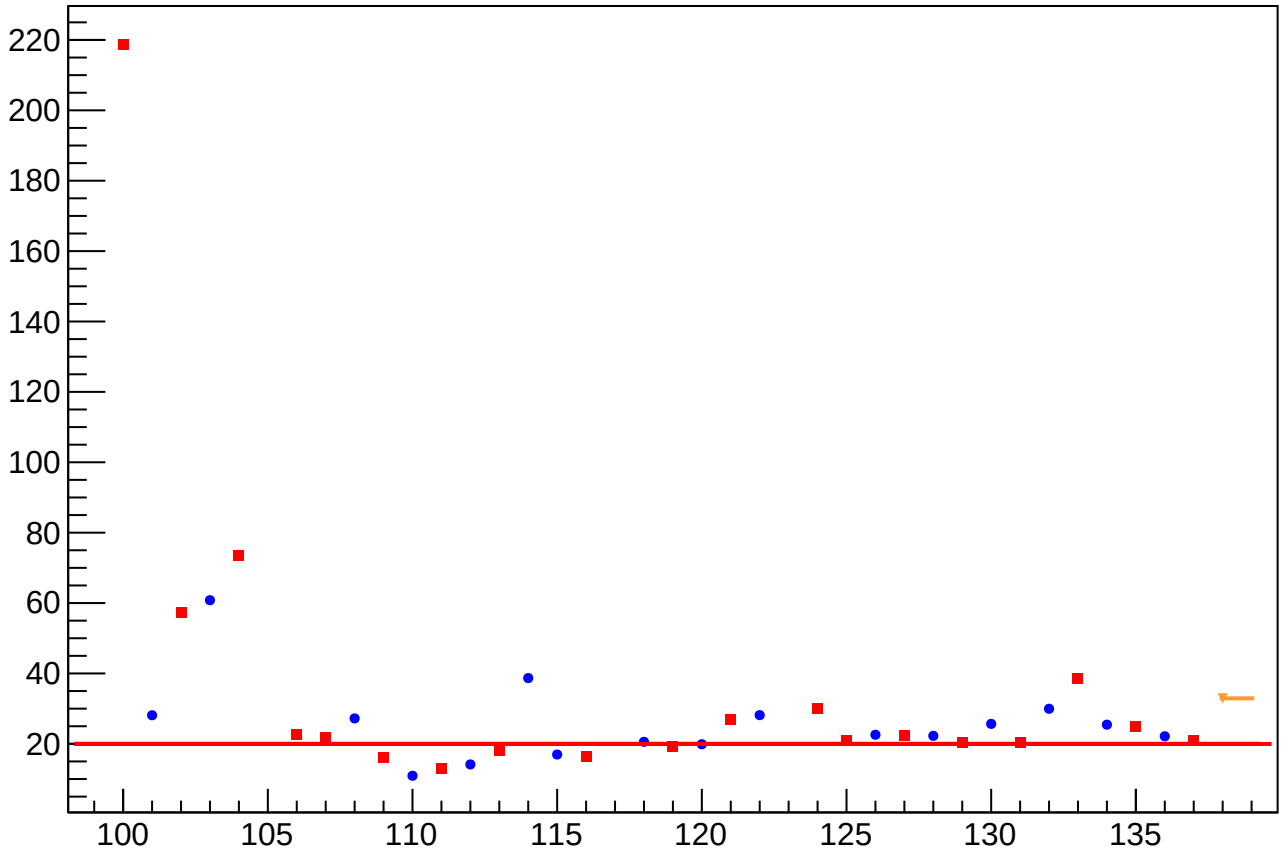
Left: -0.036+/-0.039 χ^2/NDF: 0.0/0

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.008 χ^2/NDF:7.9/15

Out: -0.008+/-0.008 χ^2/NDF:30.3/19

All: -0.002+/-0.006 χ^2/NDF: 39.8/35



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 32.930+/-0.028 χ^2/NDF:0.0/0

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

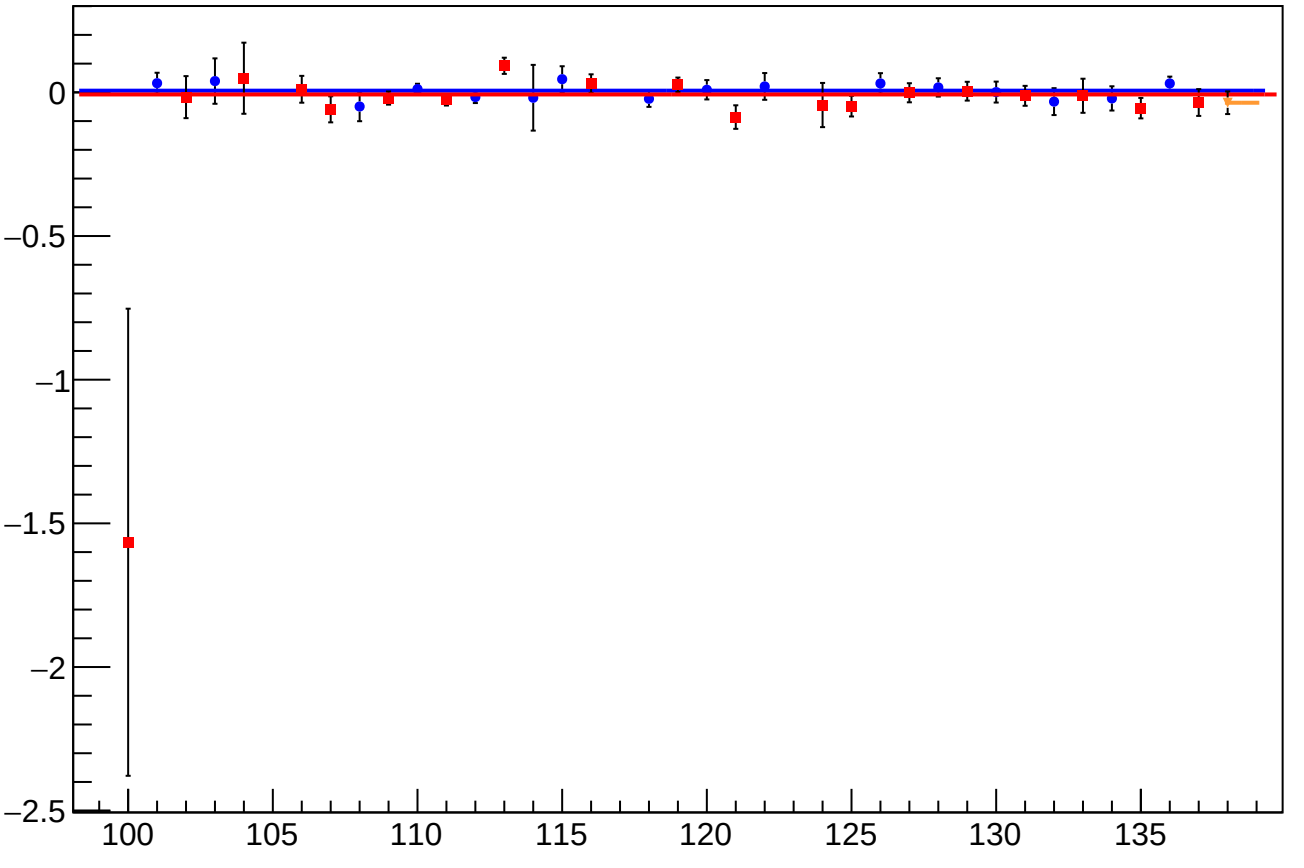
Left: 32.930+/-0.028 χ^2/NDF: 0.0/0

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 20.000+/-0.006 χ^2/NDF:1641371.9/15

Out: 20.487+/-0.006 χ^2/NDF:1924495.9/19

All: 20.251+/-0.004 χ^2/NDF: 3569538.5/35



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.036+/-0.039 χ^2/NDF:0.0/0

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

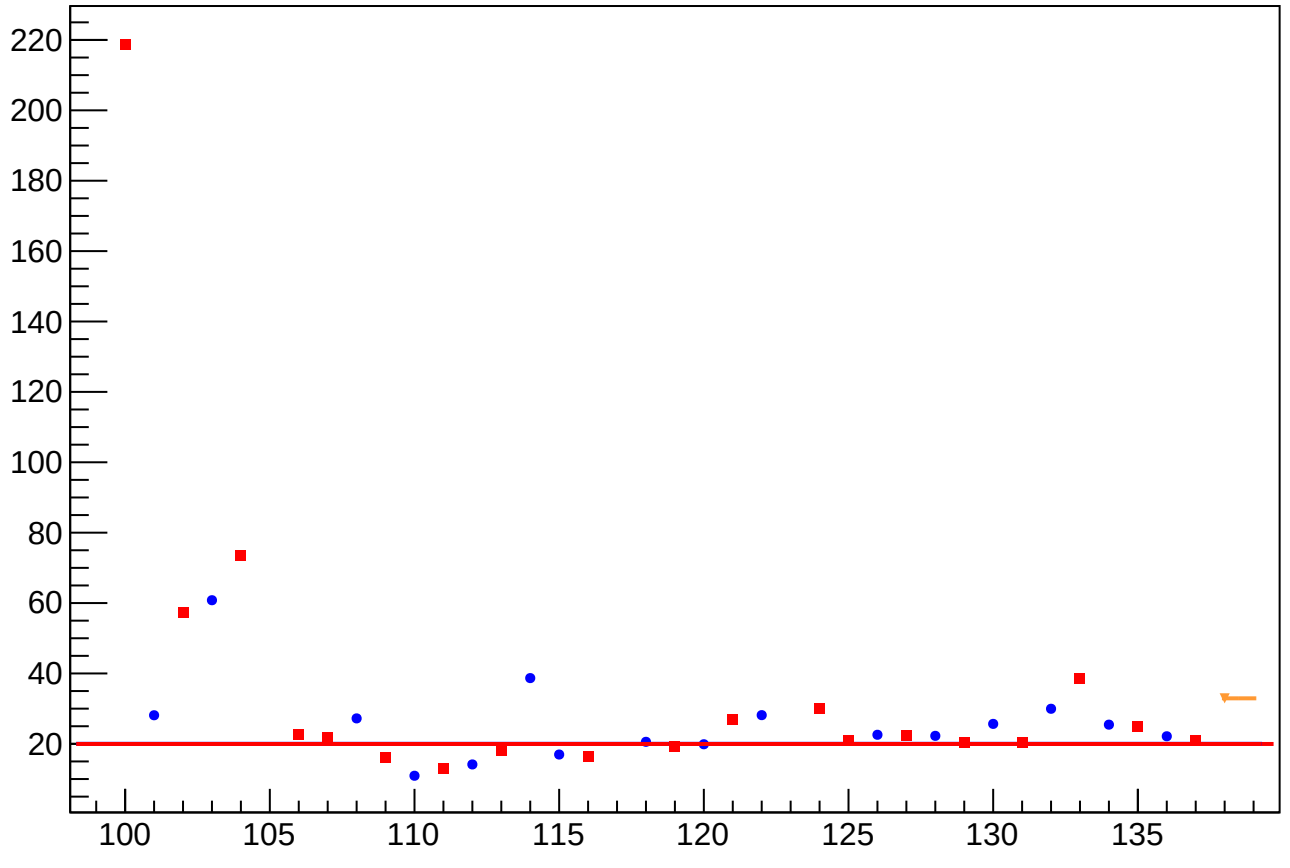
Left: -0.036+/-0.039 χ^2/NDF: 0.0/0

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.008 χ^2/NDF:7.9/15

Out: -0.008+/-0.008 χ^2/NDF:30.3/19

All: -0.002+/-0.006 χ^2/NDF: 39.8/35



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 32.930+/-0.028 χ^2/NDF:0.0/0

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

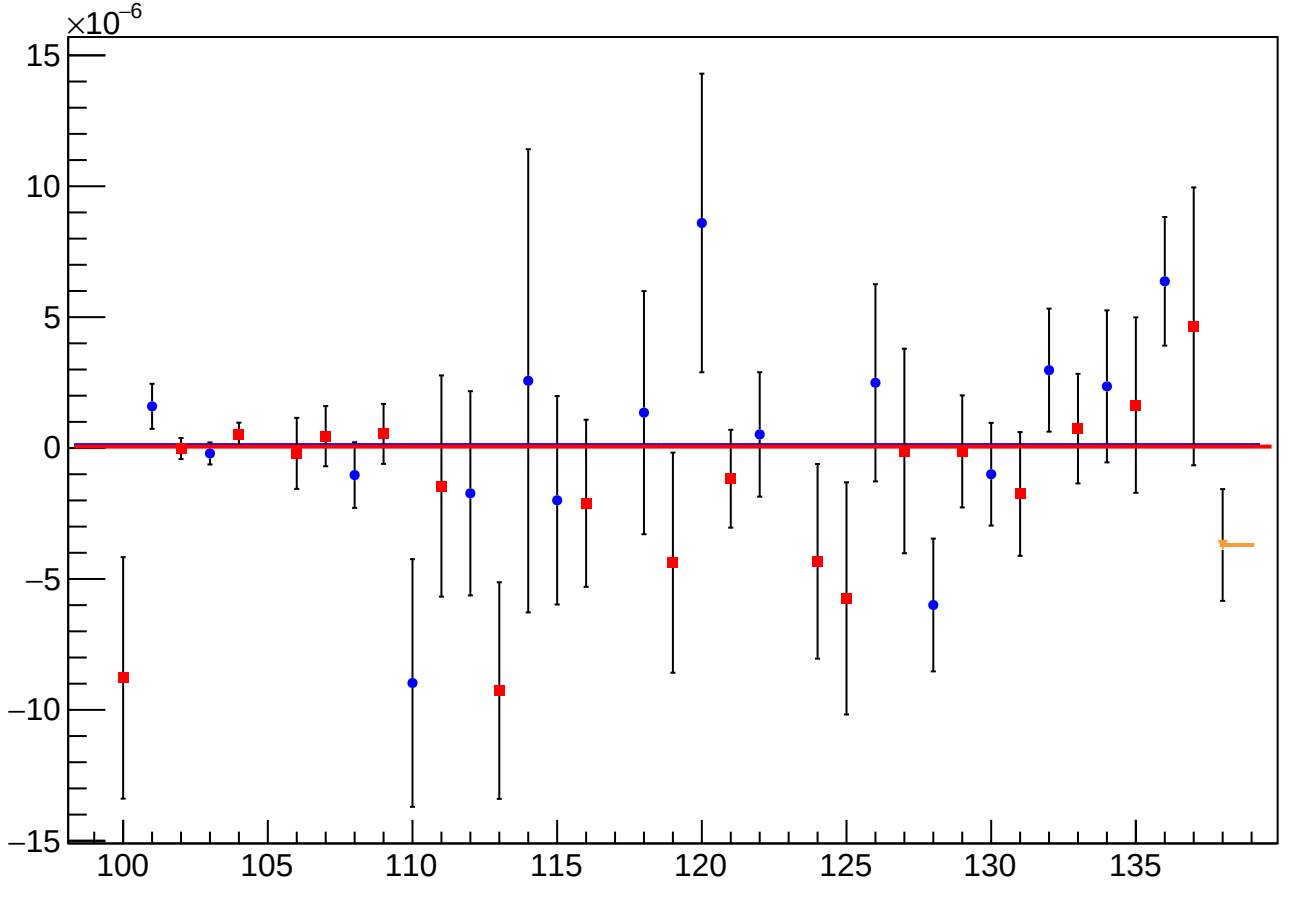
Left: 32.930+/-0.028 χ^2/NDF: 0.0/0

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 20.000+/-0.006 χ^2/NDF:1641371.9/15

Out: 20.487+/-0.006 χ^2/NDF:1924495.9/19

All: 20.251+/-0.004 χ^2/NDF: 3569538.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

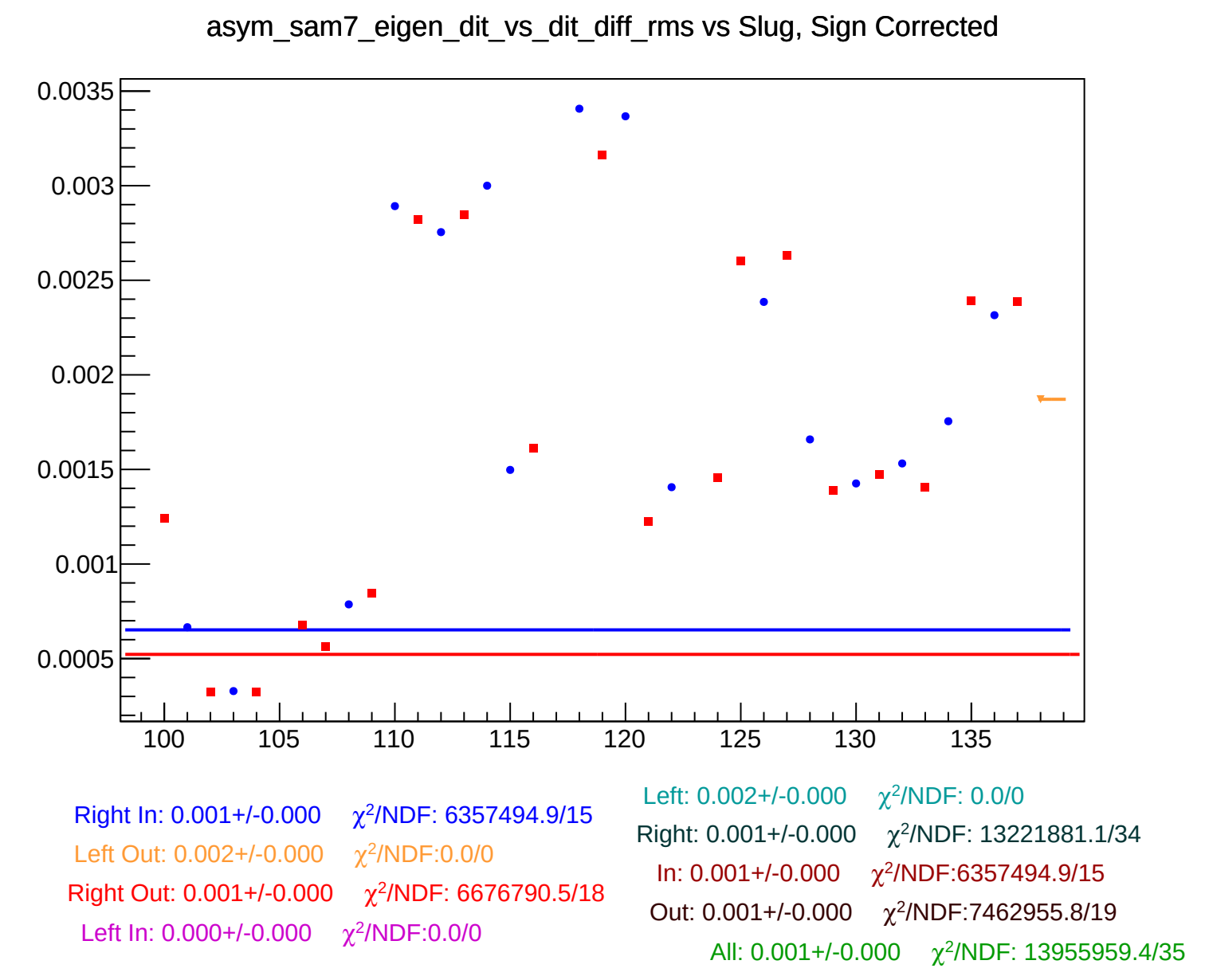
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

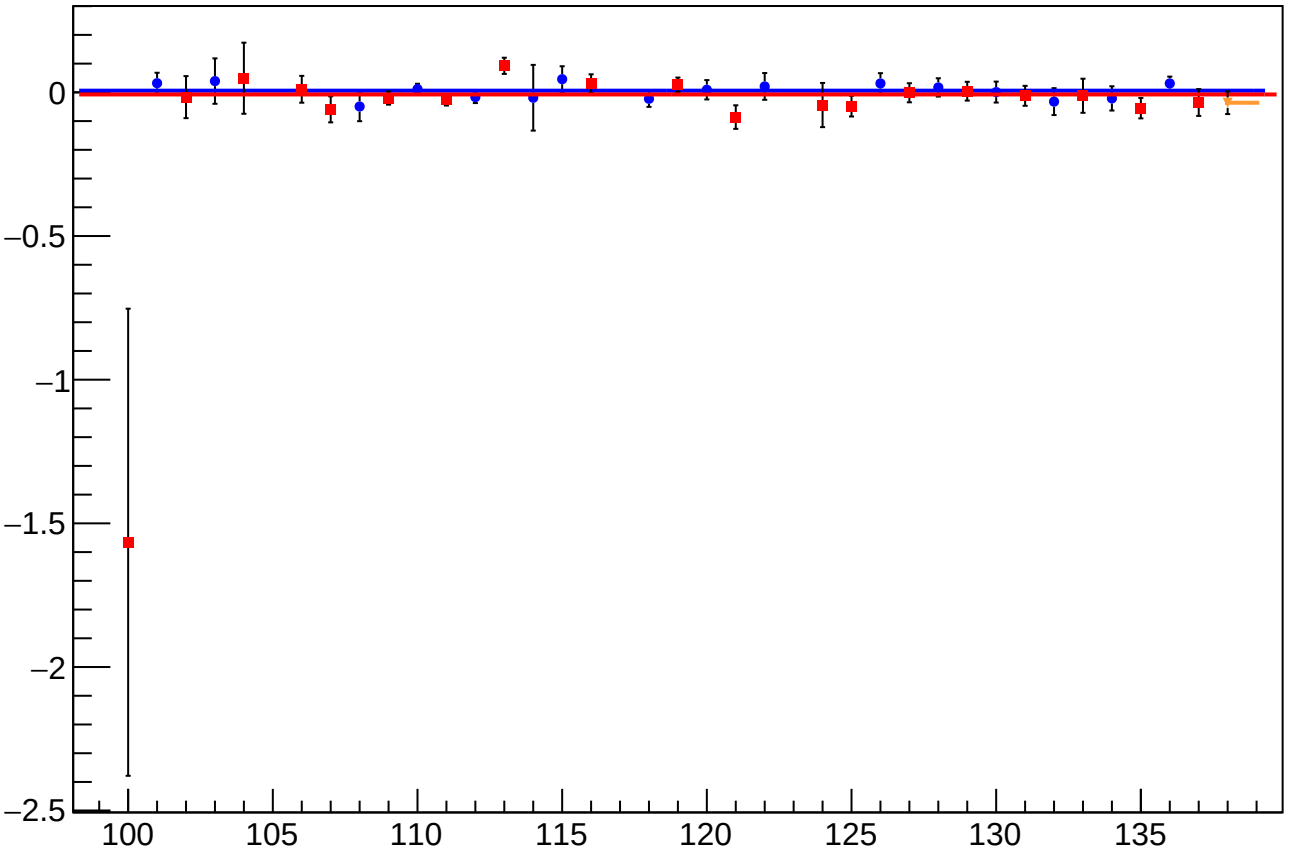
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:26.0/15

Out: 0.000+/-0.000 χ^2/NDF:20.2/19

All: 0.000+/-0.000 χ^2/NDF: 46.3/35


asym_sam7_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
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:0.0/0
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.002+/-0.000 χ²/NDF: 0.0/0
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:6357494.9/15
Out: 0.001+/-0.000 χ²/NDF:7462955.8/19
All: 0.001+/-0.000 χ²/NDF: 13955959.4/35



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.036+/-0.039 χ^2/NDF:0.0/0

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

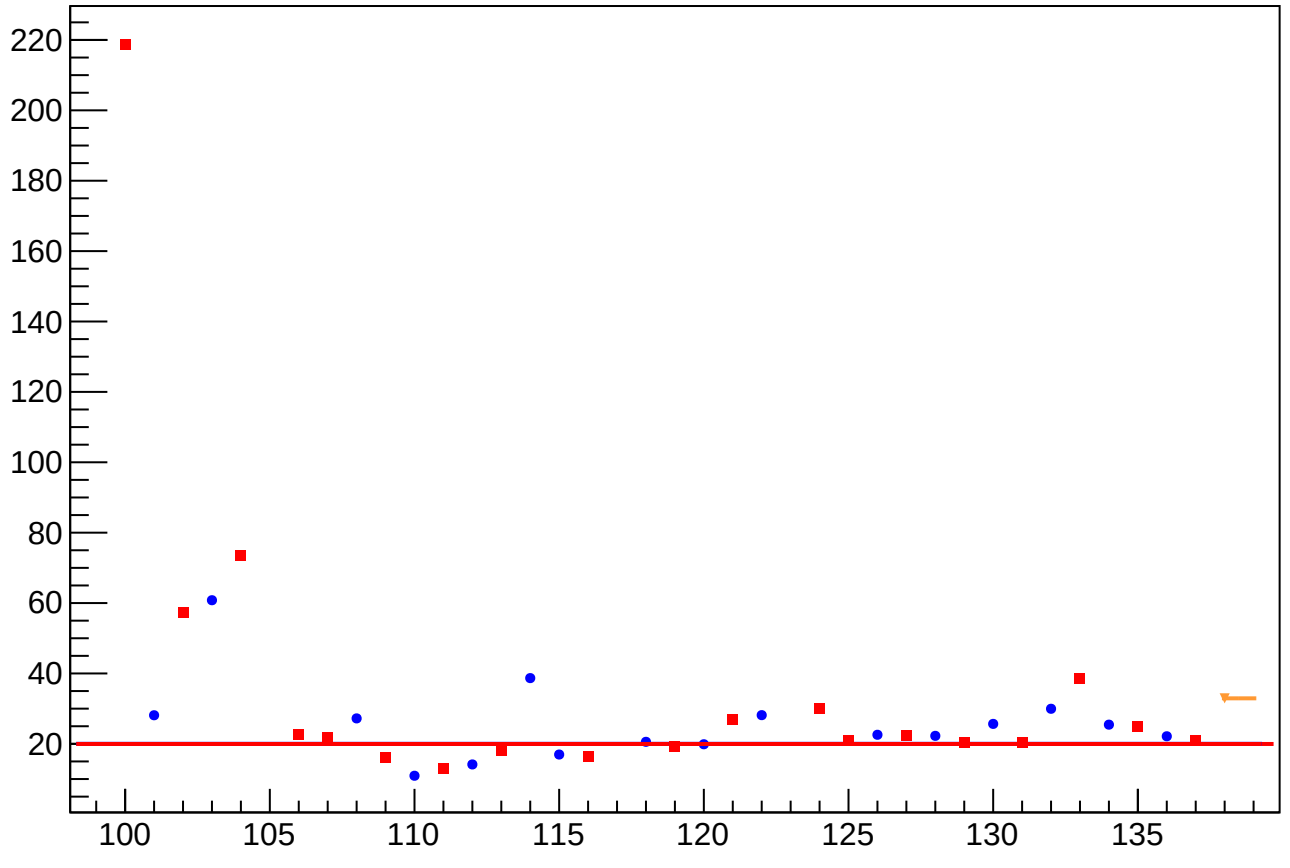
Left: -0.036+/-0.039 χ^2/NDF: 0.0/0

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.008 χ^2/NDF:7.9/15

Out: -0.008+/-0.008 χ^2/NDF:30.3/19

All: -0.002+/-0.006 χ^2/NDF: 39.8/35



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 32.929+/-0.028 χ^2/NDF:0.0/0

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

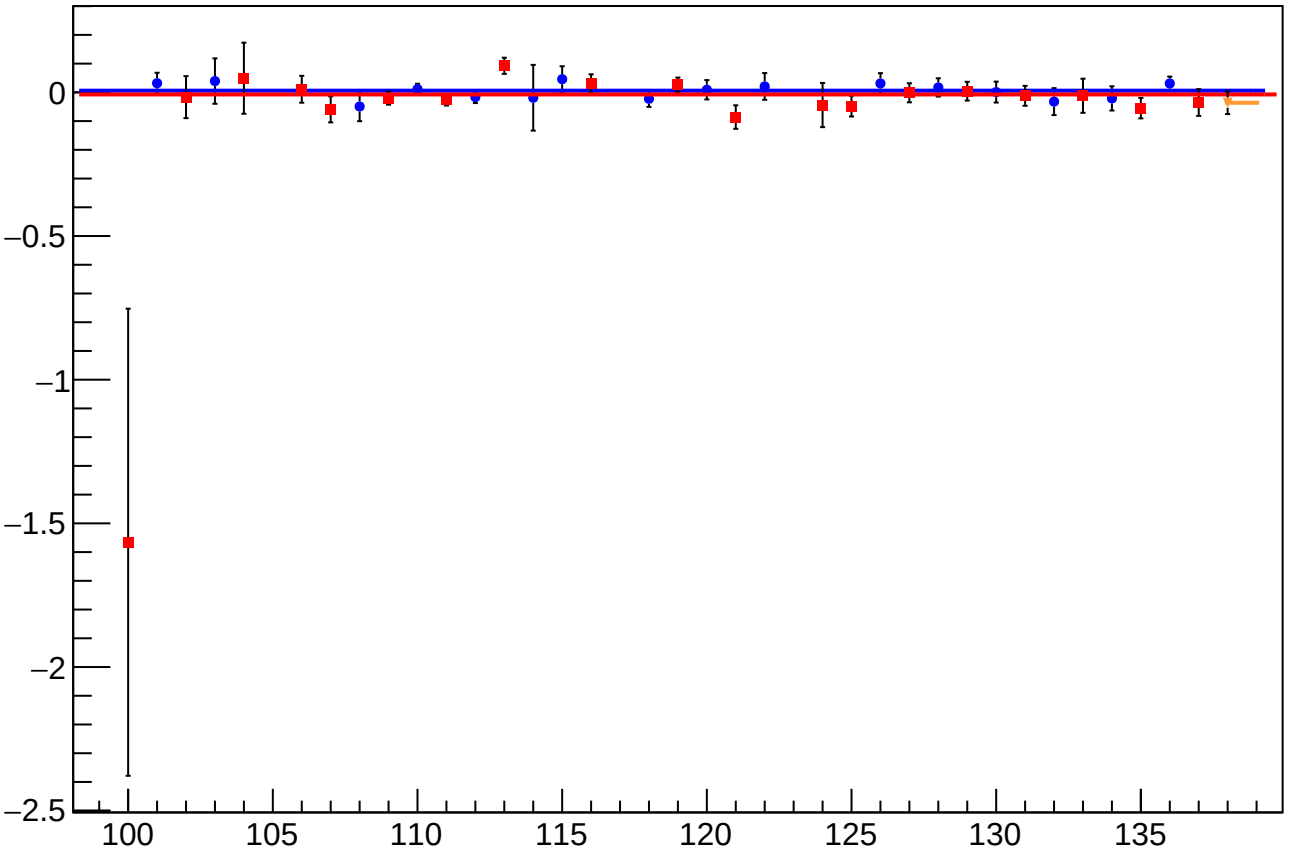
Left: 32.929+/-0.028 χ^2/NDF: 0.0/0

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 20.000+/-0.006 χ^2/NDF:1641197.3/15

Out: 20.487+/-0.006 χ^2/NDF:1924422.8/19

All: 20.251+/-0.004 χ^2/NDF: 3569285.5/35



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.036+/-0.039 χ^2/NDF:0.0/0

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.036+/-0.039 χ^2/NDF: 0.0/0

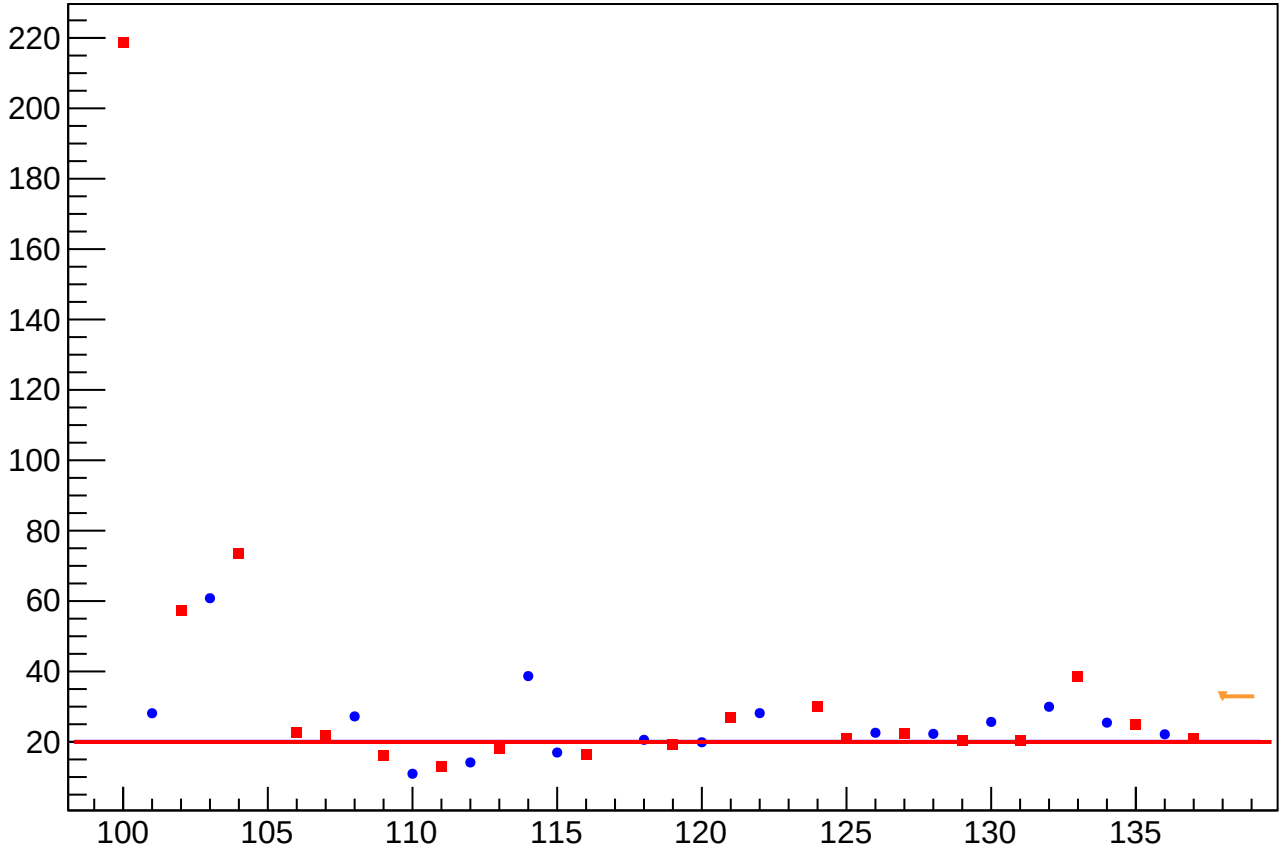
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.008 χ^2/NDF:7.9/15

Out: -0.008+/-0.008 χ^2/NDF:30.3/19

All: -0.002+/-0.006 χ^2/NDF: 39.8/35

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: 32.929+/-0.028 χ^2/NDF:0.0/0

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

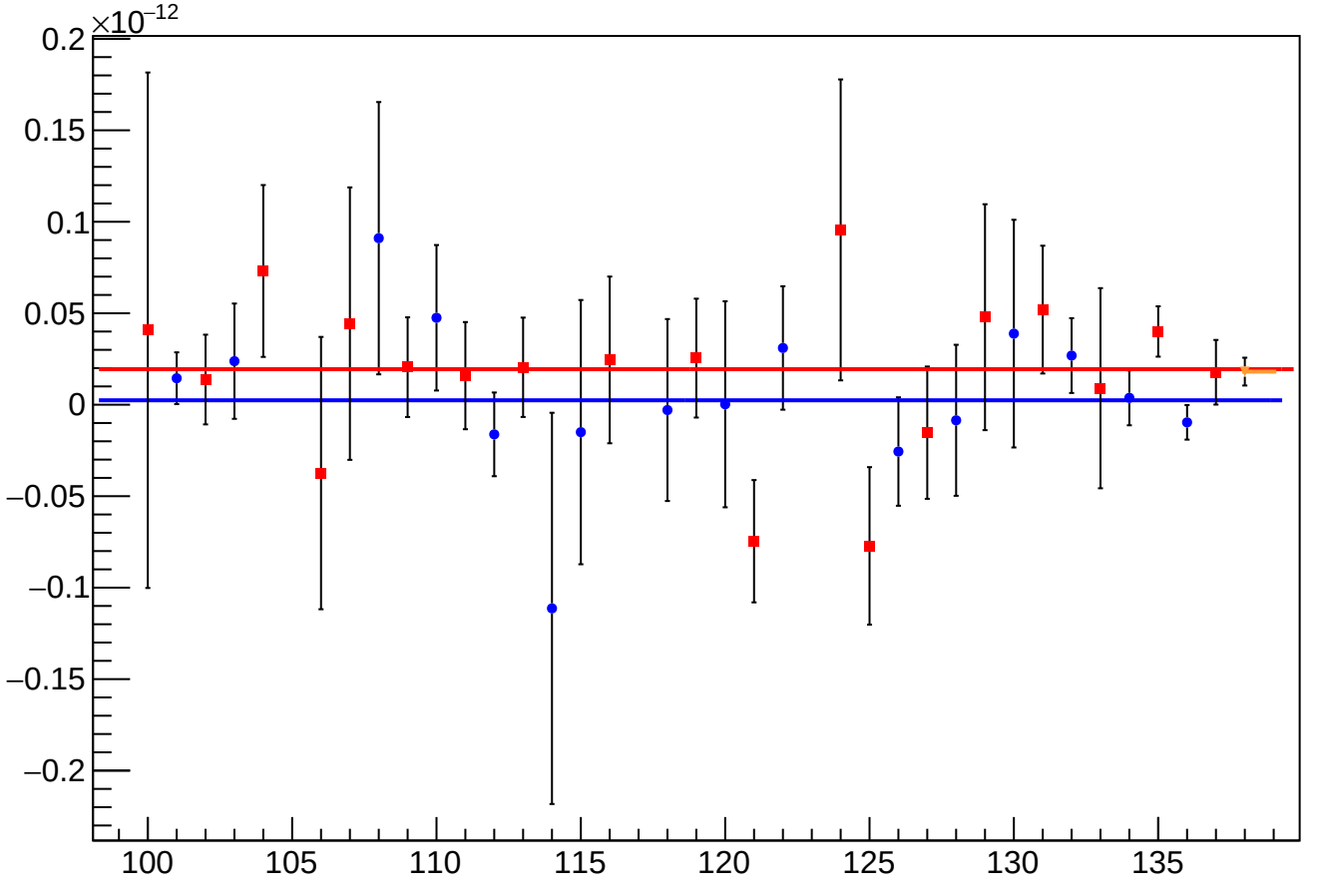
Left: 32.929+/-0.028 χ^2/NDF: 0.0/0

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 20.000+/-0.006 χ^2/NDF:1641197.3/15

Out: 20.487+/-0.006 χ^2/NDF:1924422.8/19

All: 20.251+/-0.004 χ^2/NDF: 3569285.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

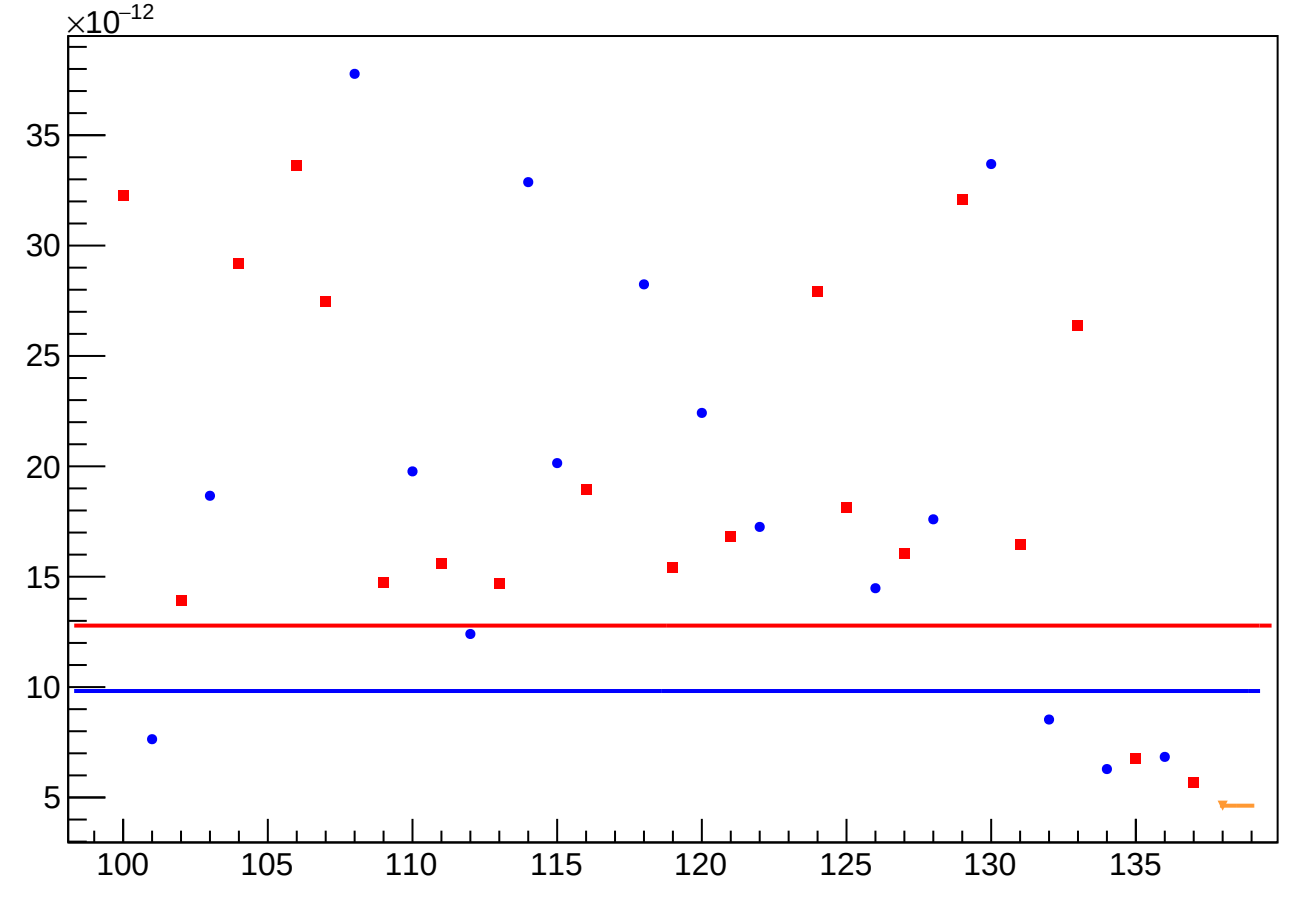
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:10.8/15

Out: 0.000+/-0.000 χ^2/NDF:20.3/19

All: 0.000+/-0.000 χ^2/NDF: 35.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

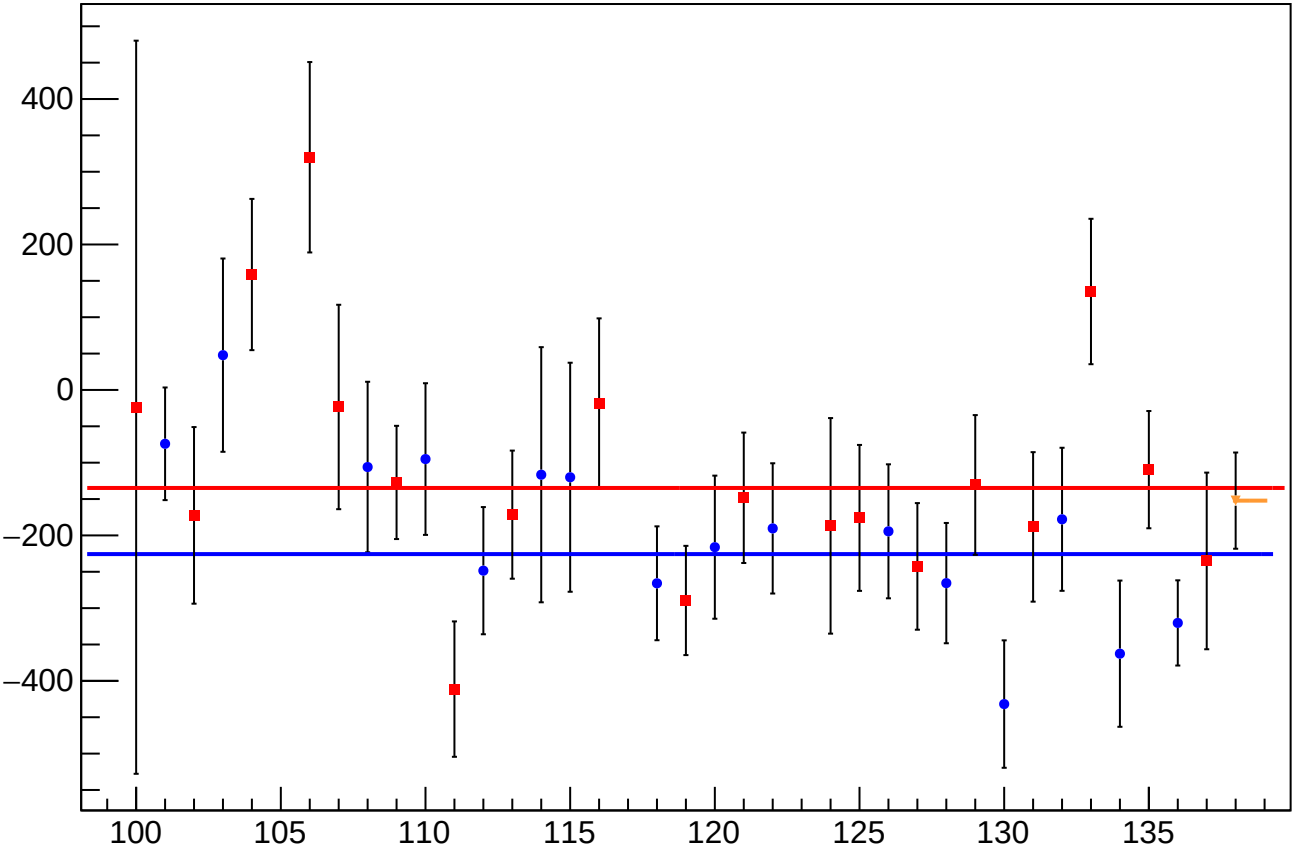
Right: 0.000+/-0.000 χ^2/NDF: 3988919.3/34

In: 0.000+/-0.000 χ^2/NDF:1977074.3/15

Out: 0.000+/-0.000 χ^2/NDF:3035149.0/19

All: 0.000+/-0.000 χ^2/NDF: 5034390.0/35

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -152.183+/-66.155 χ^2/NDF:0.0/0

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -152.183+/-66.155 χ^2/NDF: 0.0/0

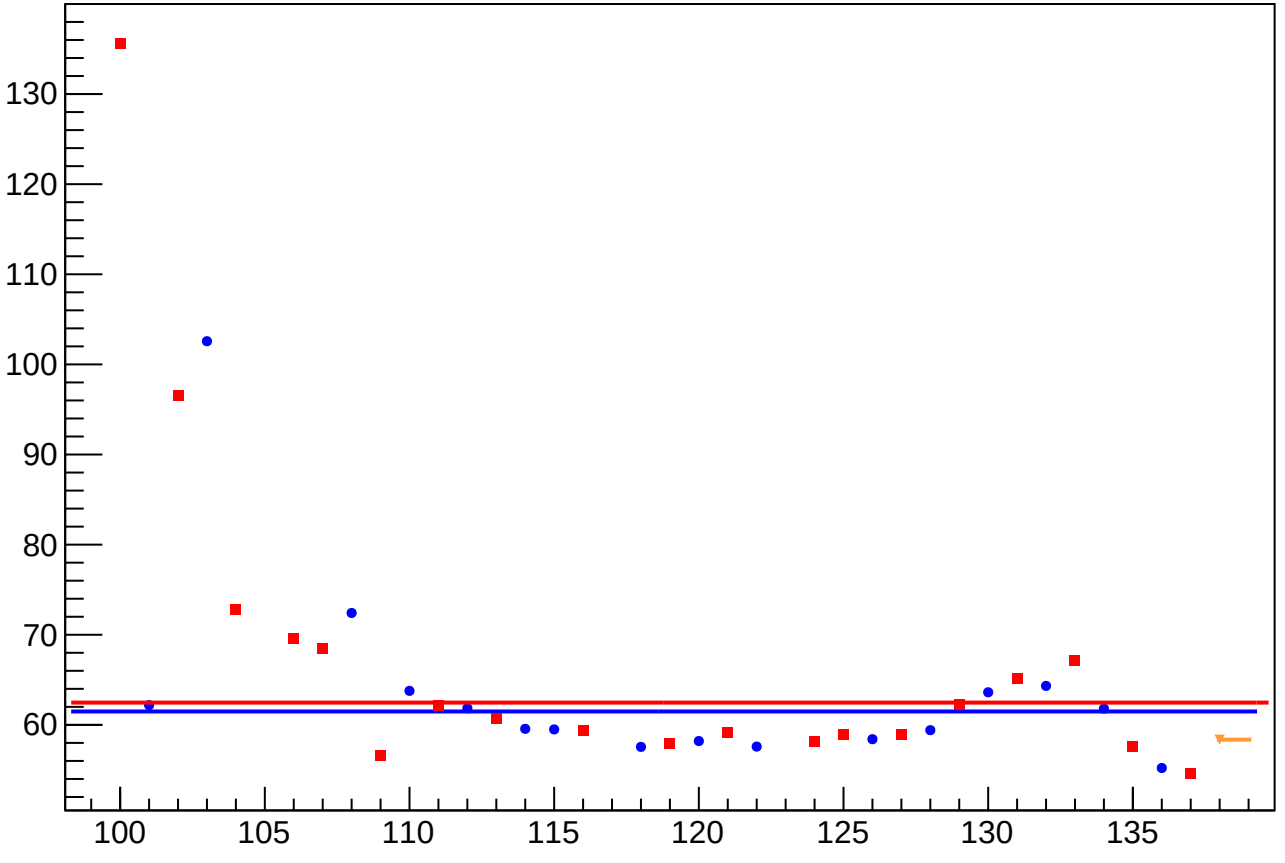
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -225.692+/-23.118 χ^2/NDF:22.6/15

Out: -136.669+/-21.886 χ^2/NDF:45.3/19

All: -178.744+/-15.894 χ^2/NDF: 75.7/35

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 58.360+/-0.047 χ^2/NDF:0.0/0

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

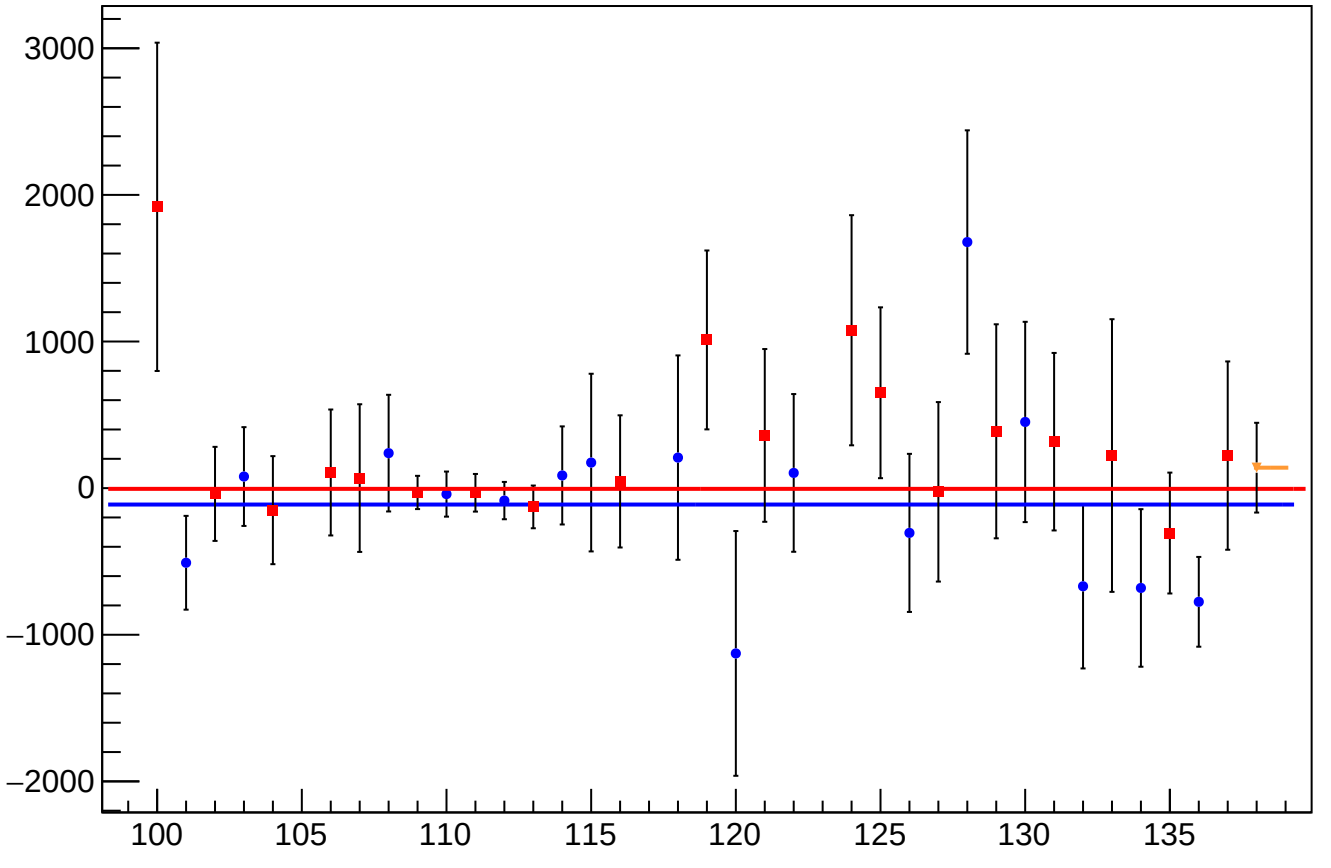
Left: 58.360+/-0.047 χ^2/NDF: 0.0/0

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 61.486+/-0.016 χ^2/NDF:250669.2/15

Out: 62.025+/-0.015 χ^2/NDF:288042.3/19

All: 61.770+/-0.011 χ^2/NDF: 539285.7/35



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: 139.515+/-306.111 χ^2/NDF:0.0/0

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

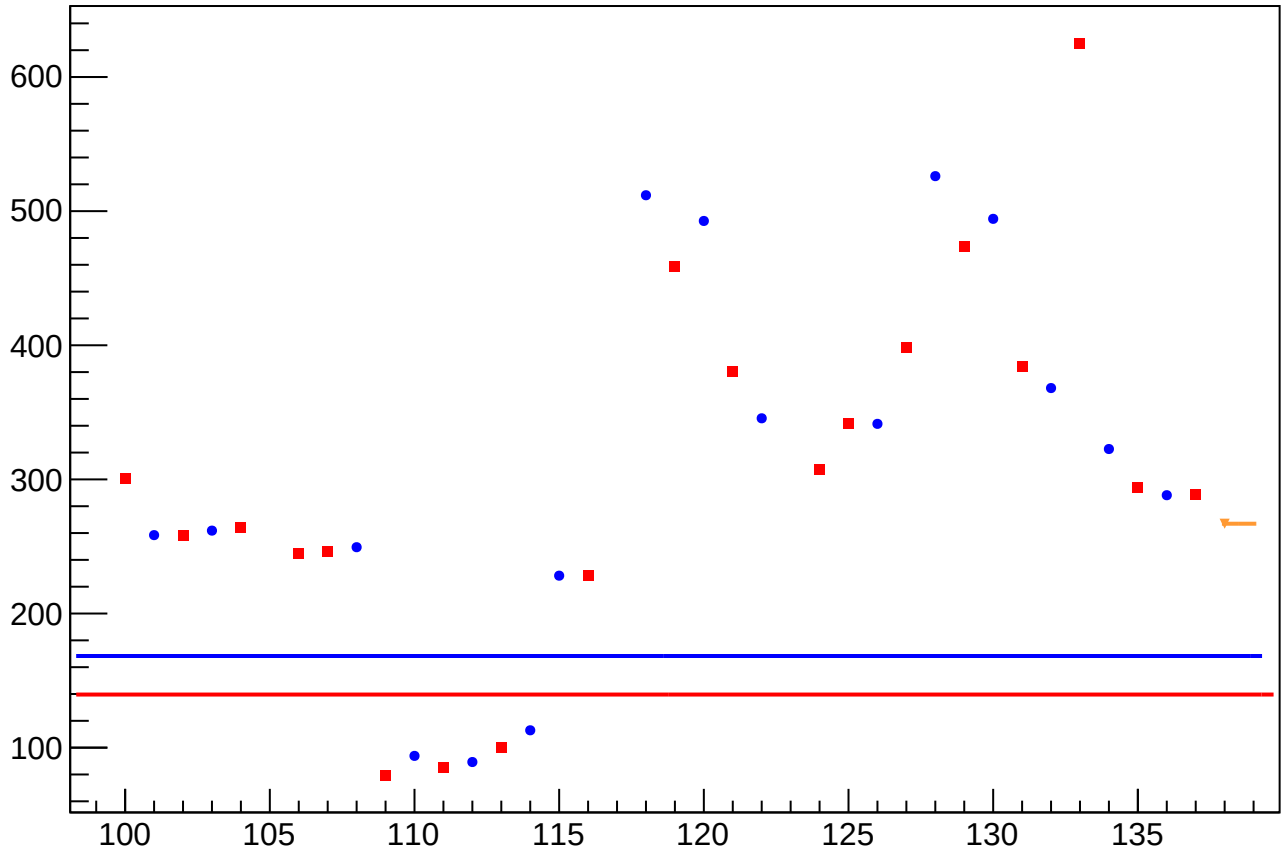
Left: 139.515+/-306.111 χ^2/NDF: 0.0/0

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -111.885+/-76.212 χ^2/NDF:18.5/15

Out: 1.143+/-62.582 χ^2/NDF:11.9/19

All: -44.377+/-48.365 χ^2/NDF: 31.6/35



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 266.956+/-0.216 χ^2/NDF:0.0/0

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 266.956+/-0.216 χ^2/NDF: 0.0/0

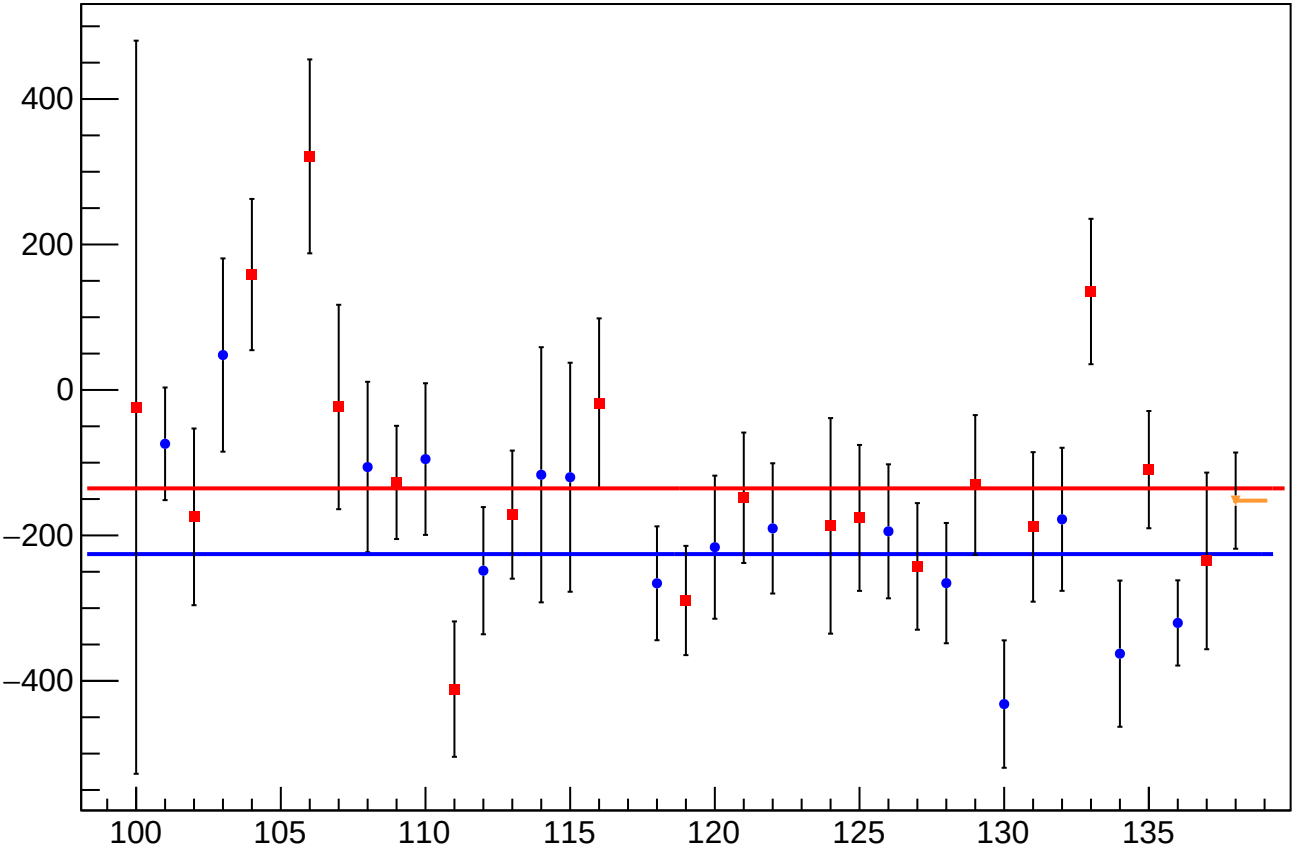
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 168.330+/-0.054 χ^2/NDF:4544046.8/15

Out: 144.917+/-0.044 χ^2/NDF:5485901.4/19

All: 154.346+/-0.034 χ^2/NDF: 10142680.6/35

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -152.184+/-66.155 χ^2/NDF:0.0/0

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -152.184+/-66.155 χ^2/NDF: 0.0/0

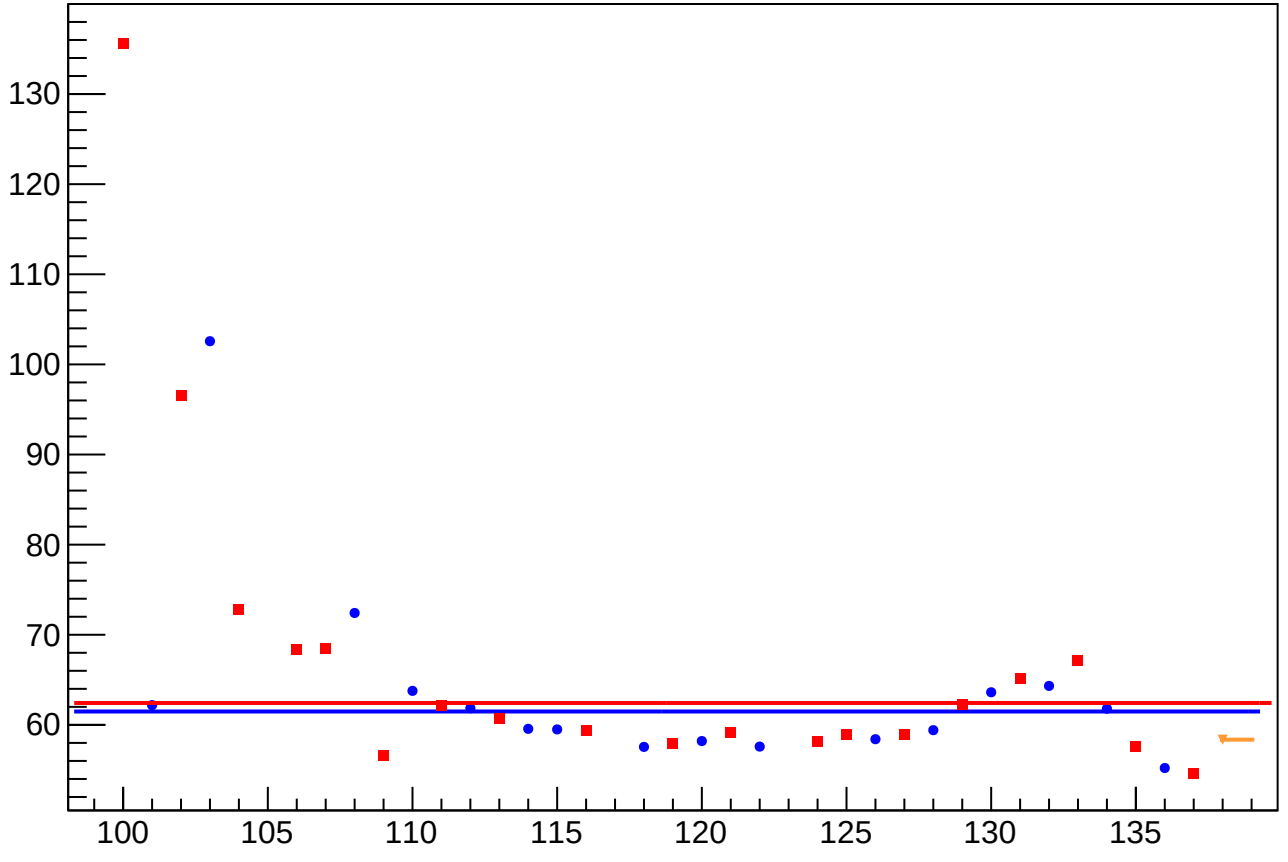
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -225.692+/-23.118 χ^2/NDF:22.6/15

Out: -137.159+/-21.897 χ^2/NDF:45.0/19

All: -179.025+/-15.898 χ^2/NDF: 75.3/35

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.360+/-0.047 χ^2/NDF:0.0/0

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

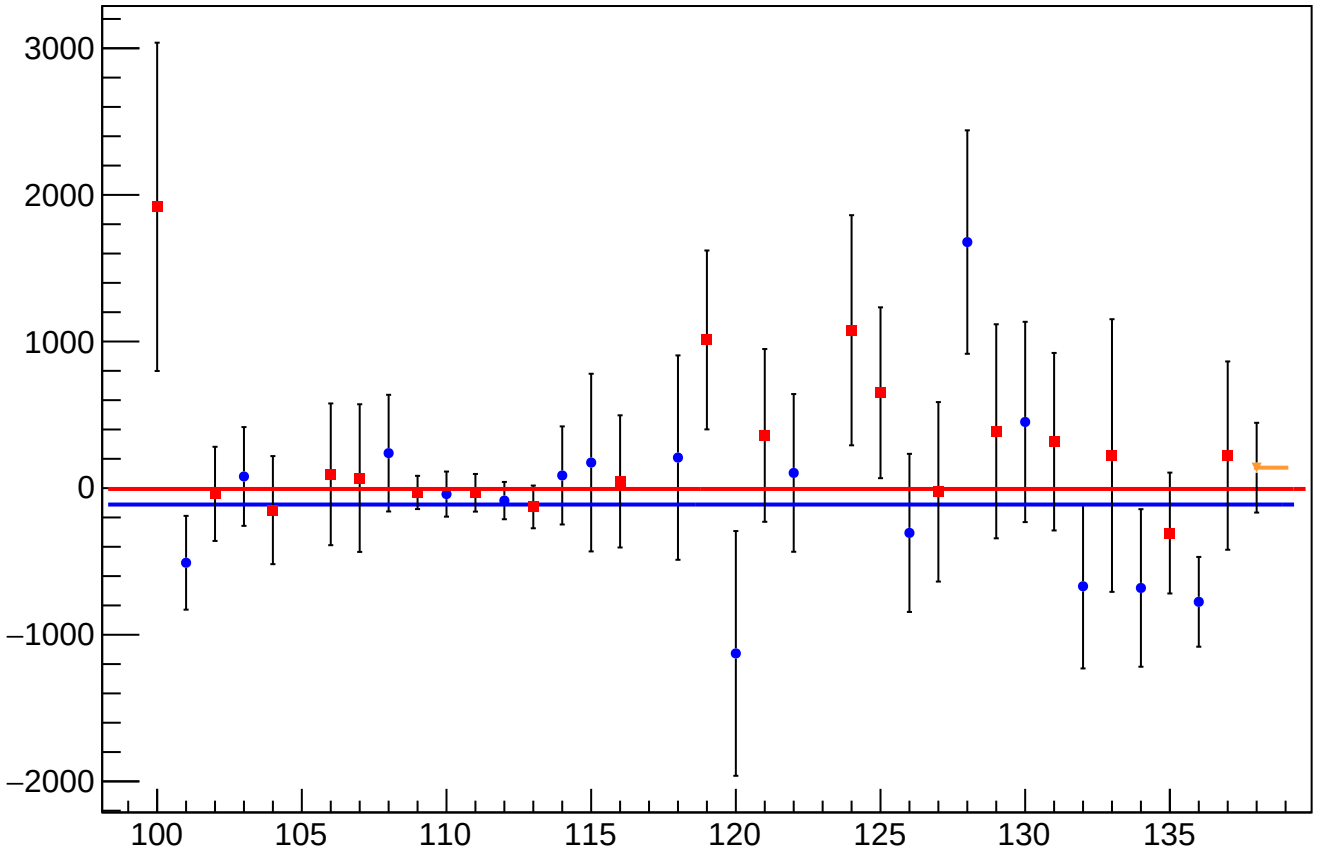
Left: 58.360+/-0.047 χ^2/NDF: 0.0/0

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 61.486+/-0.016 χ^2/NDF:250671.7/15

Out: 61.986+/-0.015 χ^2/NDF:286158.4/19

All: 61.750+/-0.011 χ^2/NDF: 537324.3/35



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: 139.517+/-306.110 χ^2/NDF:0.0/0

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

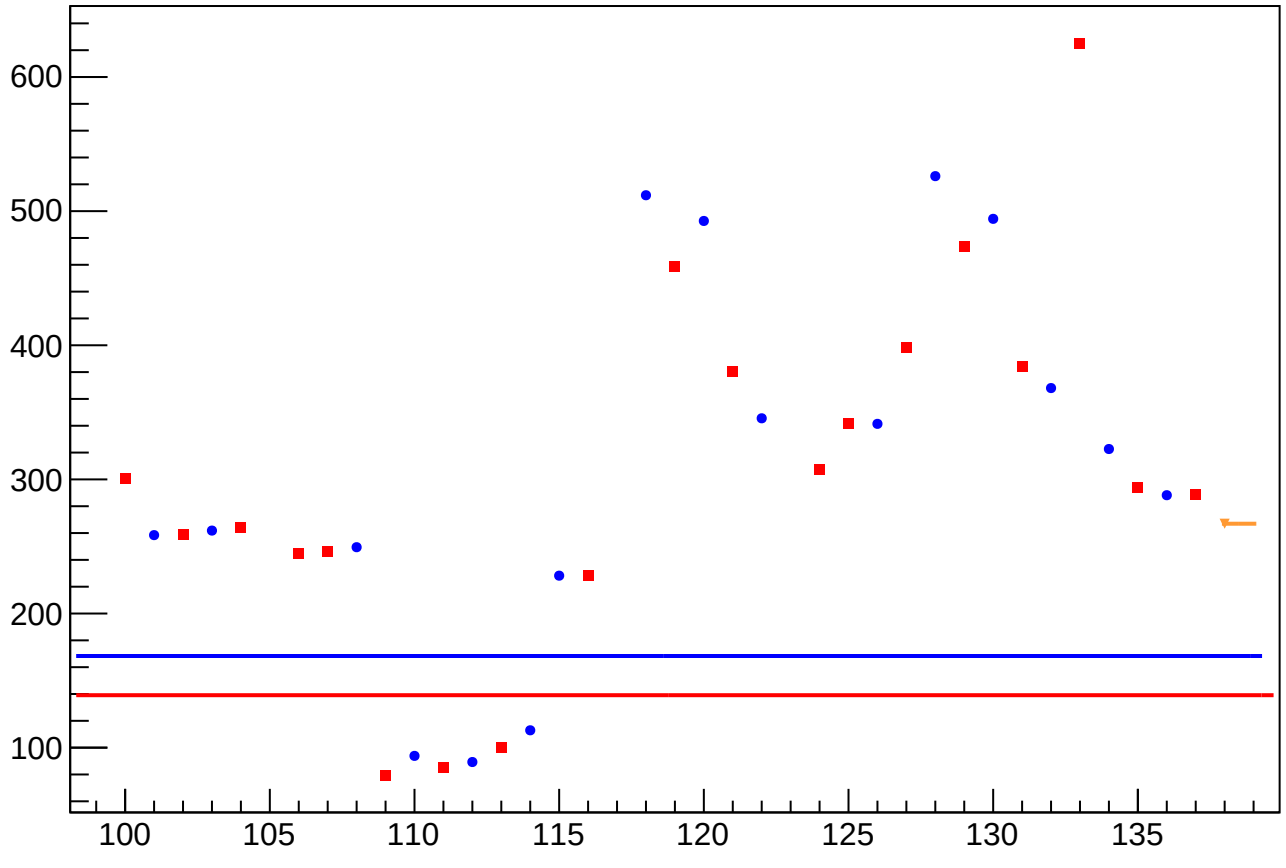
Left: 139.517+/-306.110 χ^2/NDF: 0.0/0

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -111.866+/-76.213 χ^2/NDF:18.5/15

Out: 0.478+/-62.725 χ^2/NDF:11.8/19

All: -44.890+/-48.431 χ^2/NDF: 31.6/35



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 266.954+/-0.216 χ^2/NDF:0.0/0

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

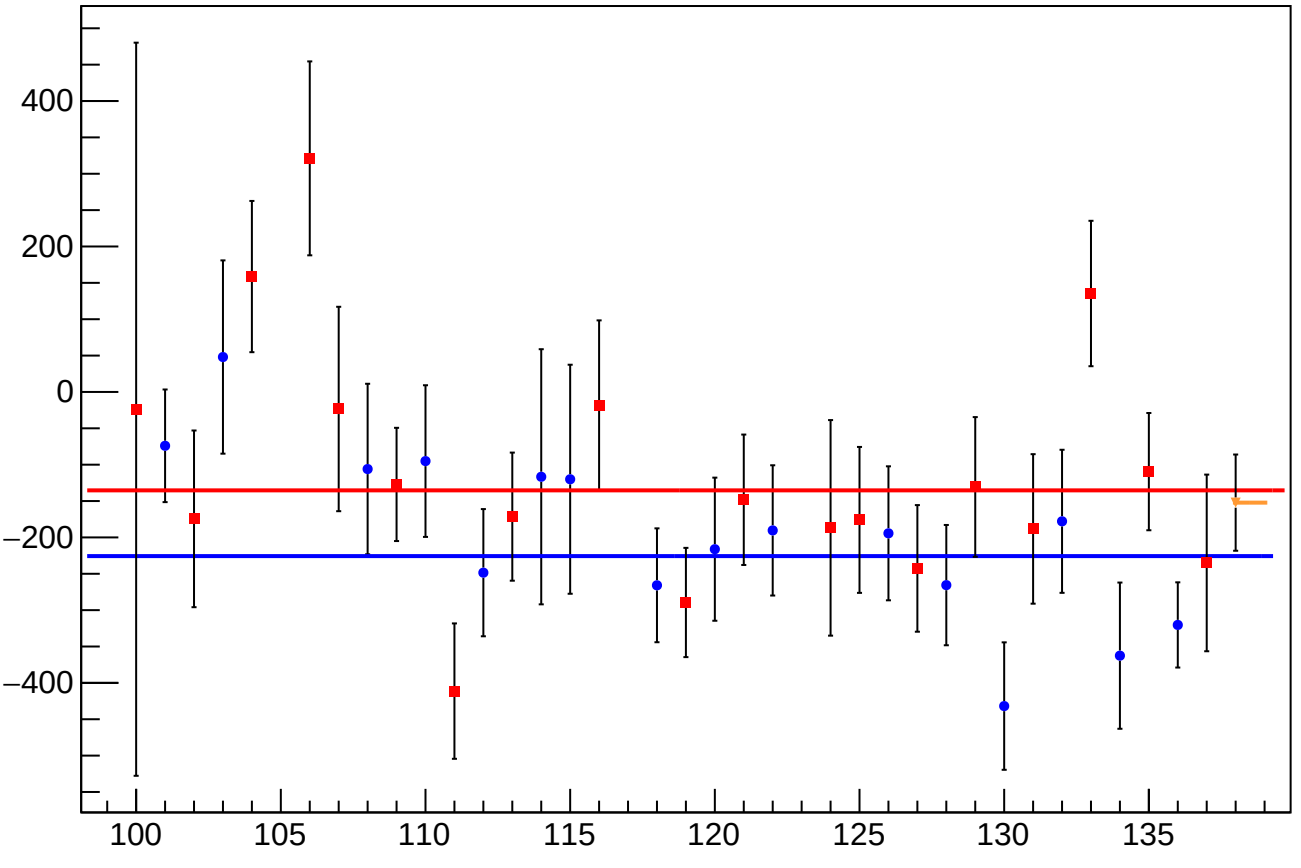
Left: 266.954+/-0.216 χ^2/NDF: 0.0/0

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 168.330+/-0.054 χ^2/NDF:4544100.8/15

Out: 144.473+/-0.044 χ^2/NDF:5464240.8/19

All: 154.107+/-0.034 χ^2/NDF: 10125177.4/35



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -152.184+/-66.155 χ^2/NDF:0.0/0

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

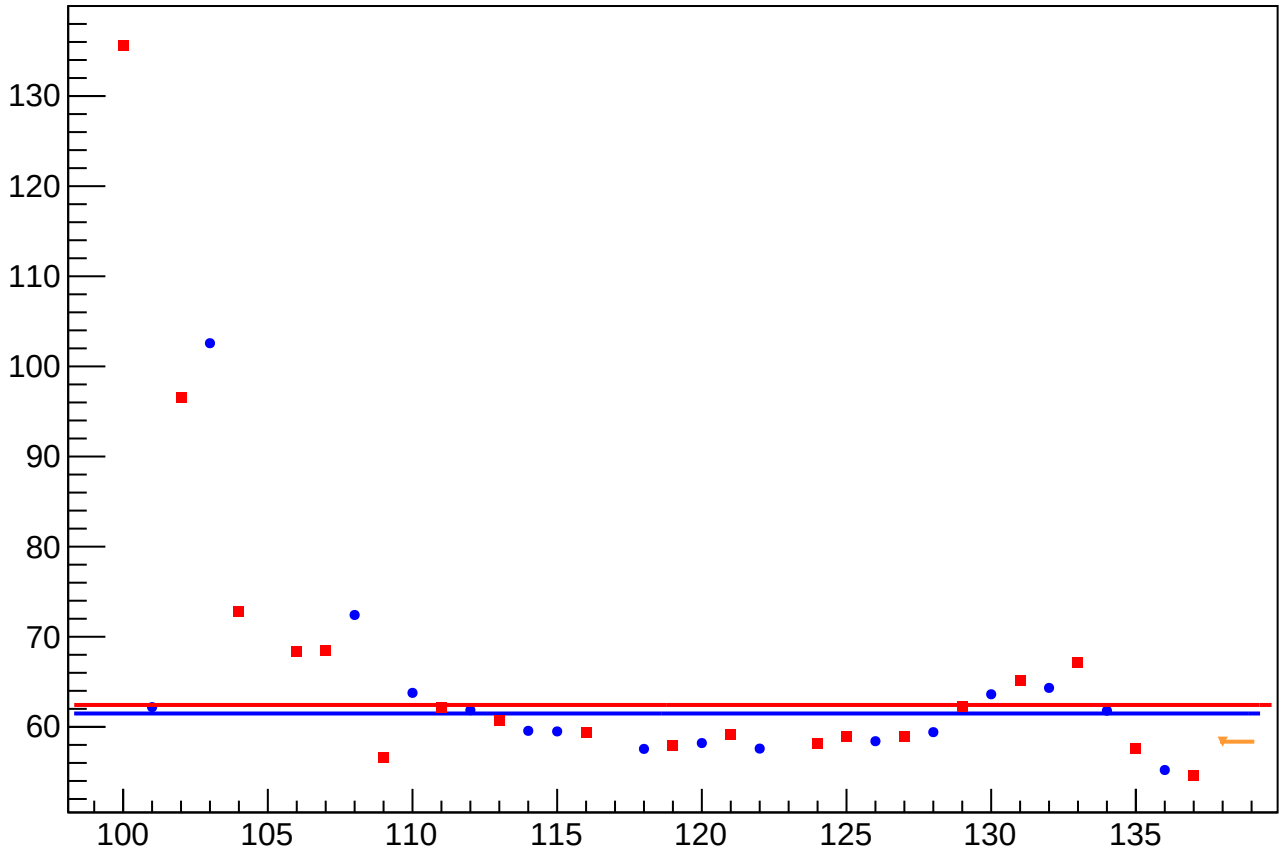
Left: -152.184+/-66.155 χ^2/NDF: 0.0/0

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -225.692+/-23.118 χ^2/NDF:22.6/15

Out: -137.159+/-21.897 χ^2/NDF:45.0/19

All: -179.025+/-15.898 χ^2/NDF: 75.3/35



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.360+/-0.047 χ^2/NDF:0.0/0

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

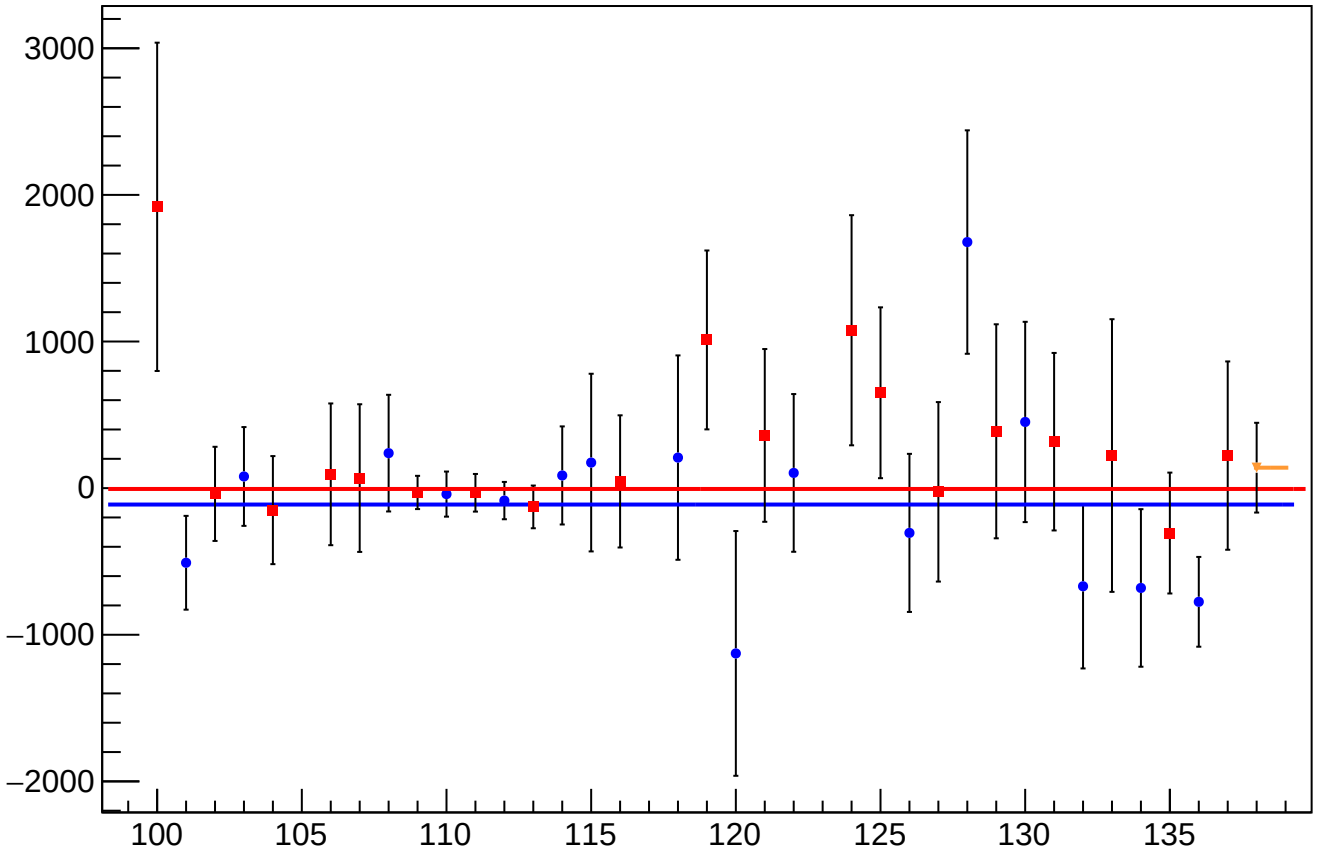
Left: 58.360+/-0.047 χ^2/NDF: 0.0/0

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 61.486+/-0.016 χ^2/NDF:250671.7/15

Out: 61.986+/-0.015 χ^2/NDF:286158.4/19

All: 61.750+/-0.011 χ^2/NDF: 537324.3/35



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: 139.517+/-306.110 χ^2/NDF:0.0/0

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

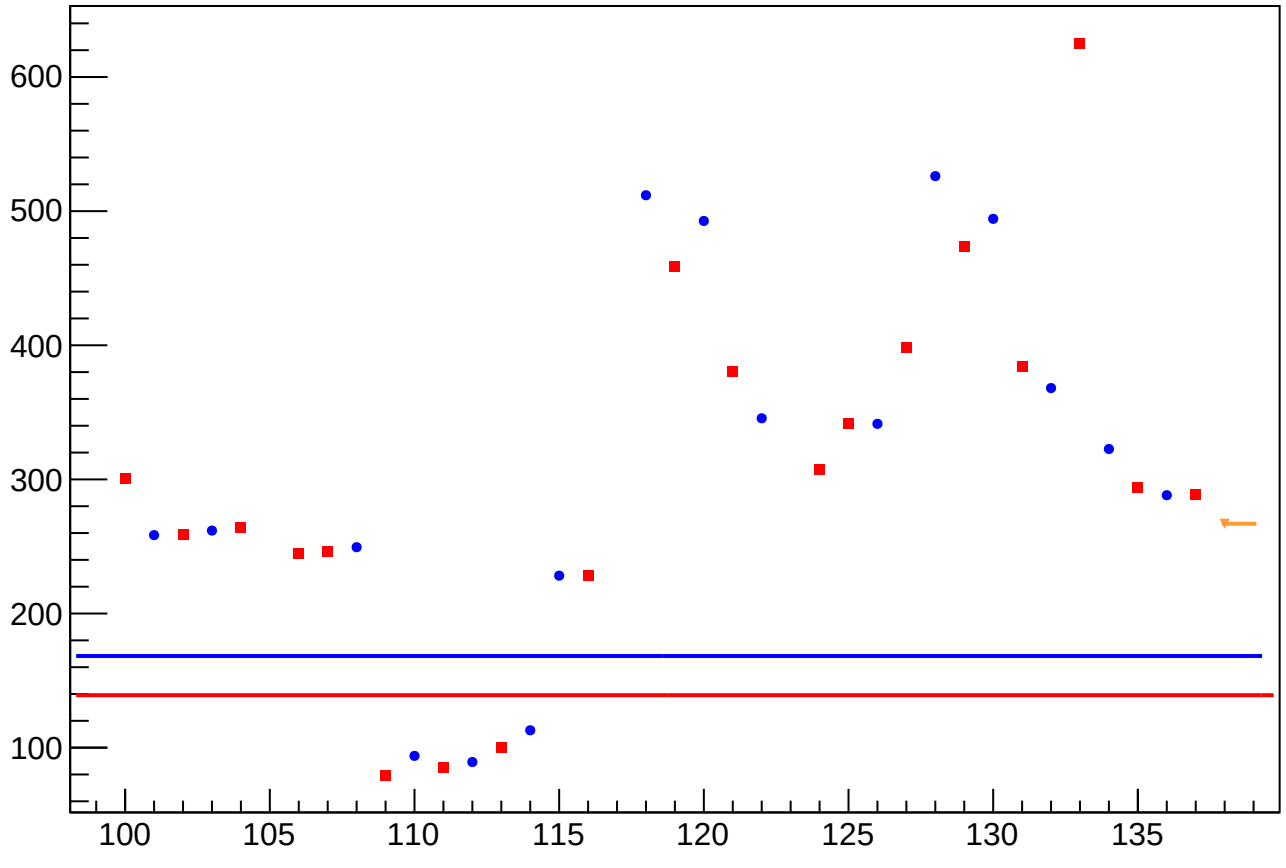
Left: 139.517+/-306.110 χ^2/NDF: 0.0/0

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -111.866+/-76.213 χ^2/NDF:18.5/15

Out: 0.478+/-62.725 χ^2/NDF:11.8/19

All: -44.890+/-48.431 χ^2/NDF: 31.6/35



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 266.954+/-0.216 χ^2/NDF:0.0/0

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 266.954+/-0.216 χ^2/NDF: 0.0/0

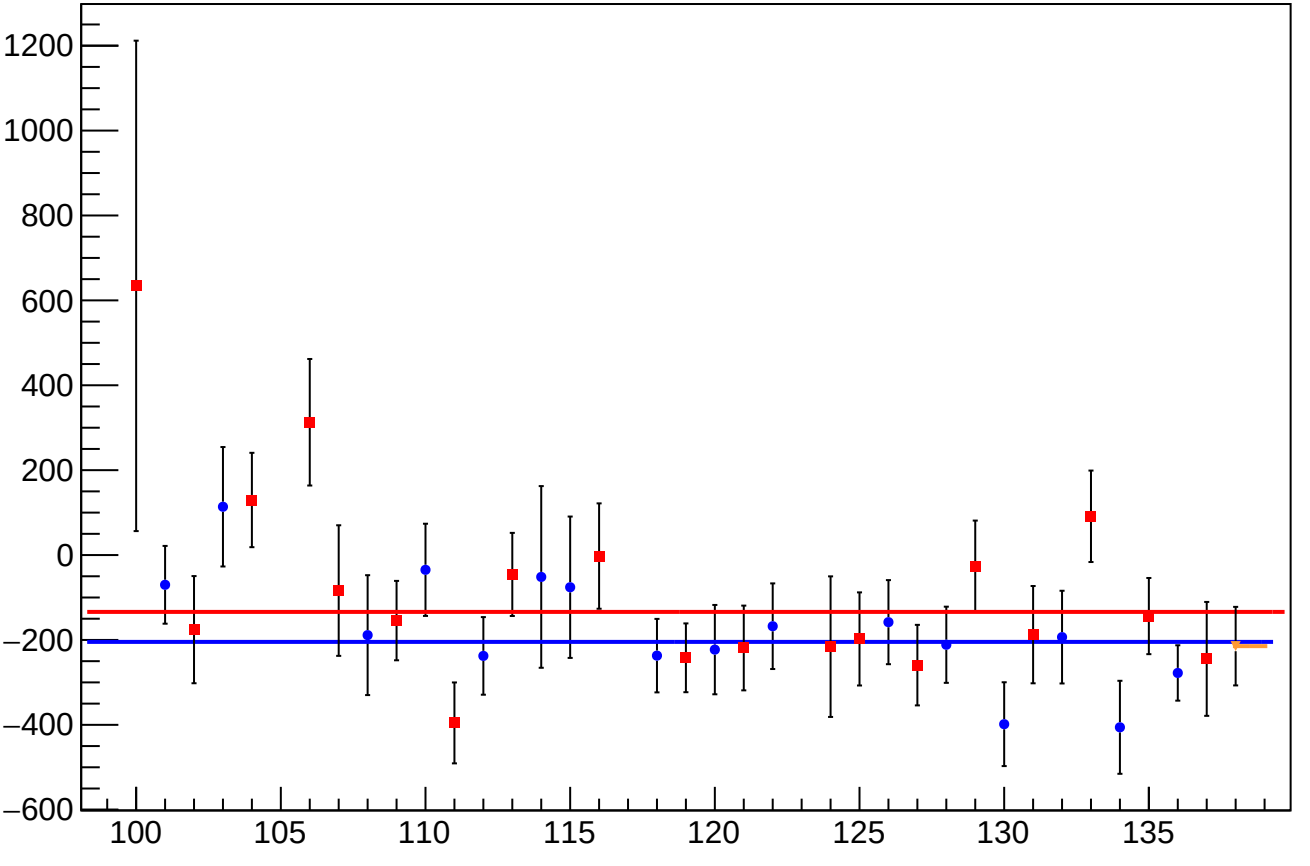
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 168.330+/-0.054 χ^2/NDF:4544100.8/15

Out: 144.473+/-0.044 χ^2/NDF:5464240.8/19

All: 154.107+/-0.034 χ^2/NDF: 10125177.4/35

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -214.590+/-92.517 χ^2/NDF:0.0/0

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -214.590+/-92.517 χ^2/NDF: 0.0/0

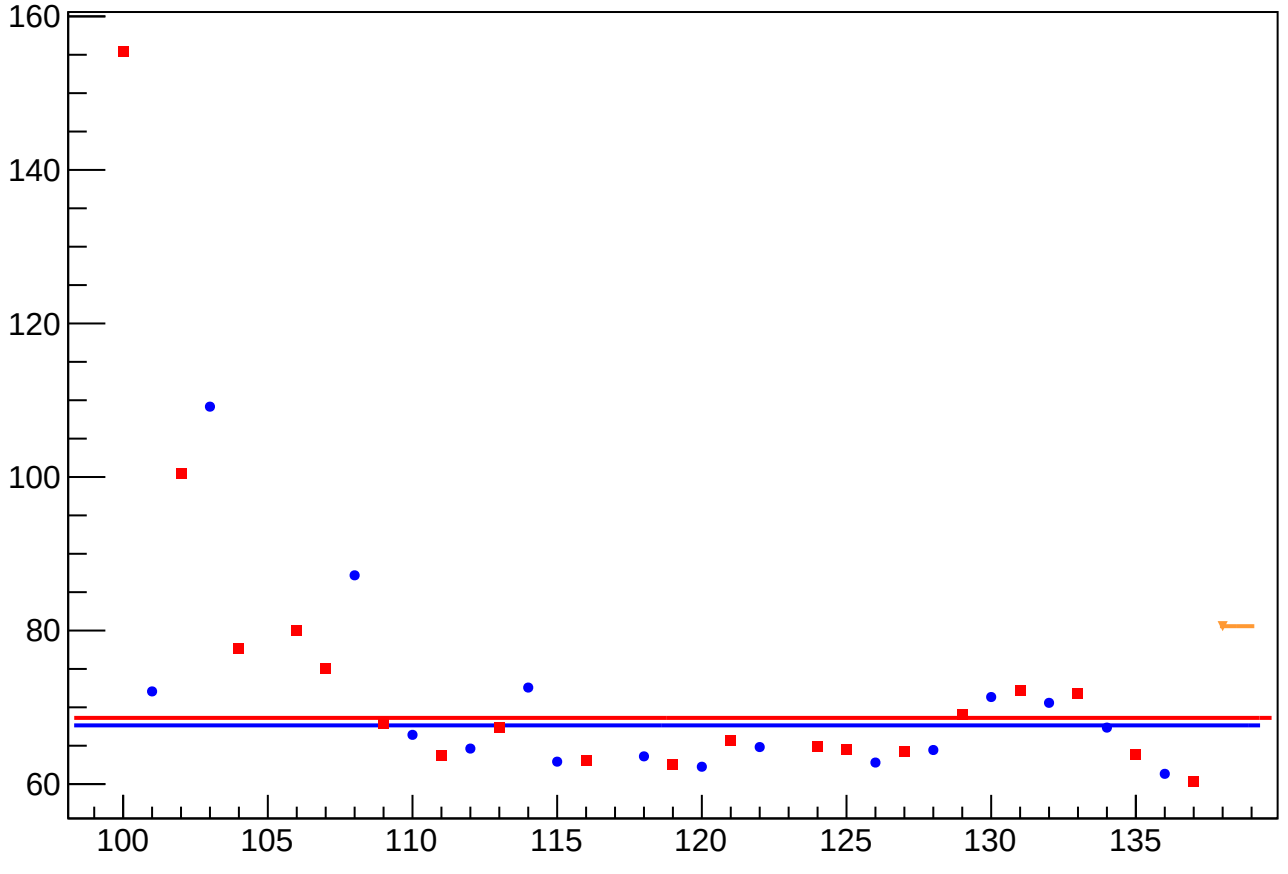
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -204.577+/-25.523 χ^2/NDF:20.0/15

Out: -139.613+/-24.569 χ^2/NDF:37.9/19

All: -170.857+/-17.701 χ^2/NDF: 61.3/35

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 80.569+/-0.065 χ^2/NDF:0.0/0

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

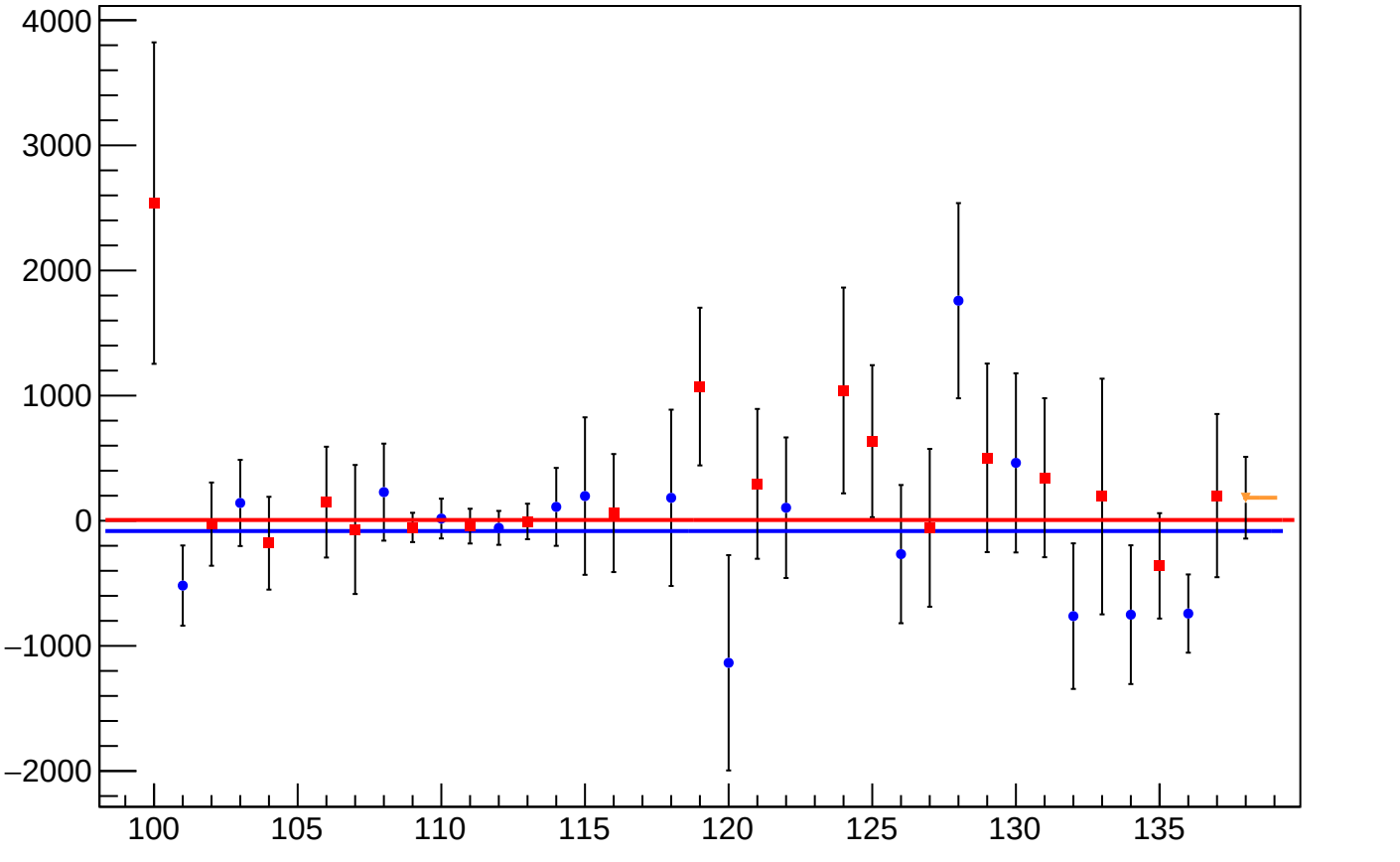
Left: 80.569+/-0.065 χ^2/NDF: 0.0/0

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 67.647+/-0.018 χ^2/NDF:263669.9/15

Out: 69.466+/-0.017 χ^2/NDF:279152.2/19

All: 68.592+/-0.013 χ^2/NDF: 548093.9/35



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: 184.075+/-326.542 χ^2/NDF:0.0/0

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

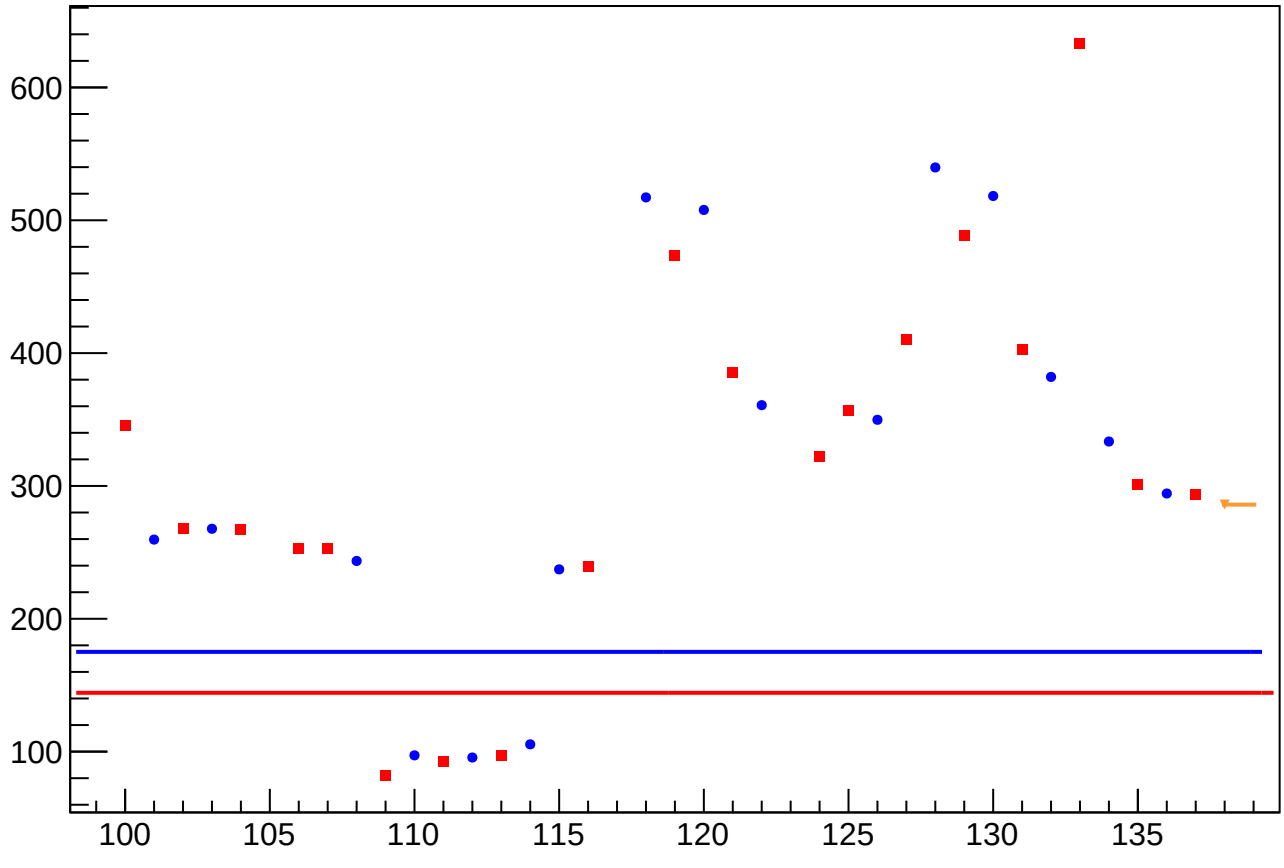
Left: 184.075+/-326.542 χ^2/NDF: 0.0/0

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -82.228+/-78.676 χ^2/NDF:19.2/15

Out: 13.032+/-64.607 χ^2/NDF:12.3/19

All: -25.334+/-49.930 χ^2/NDF: 32.4/35



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 285.951+/-0.231 χ^2/NDF:0.0/0

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

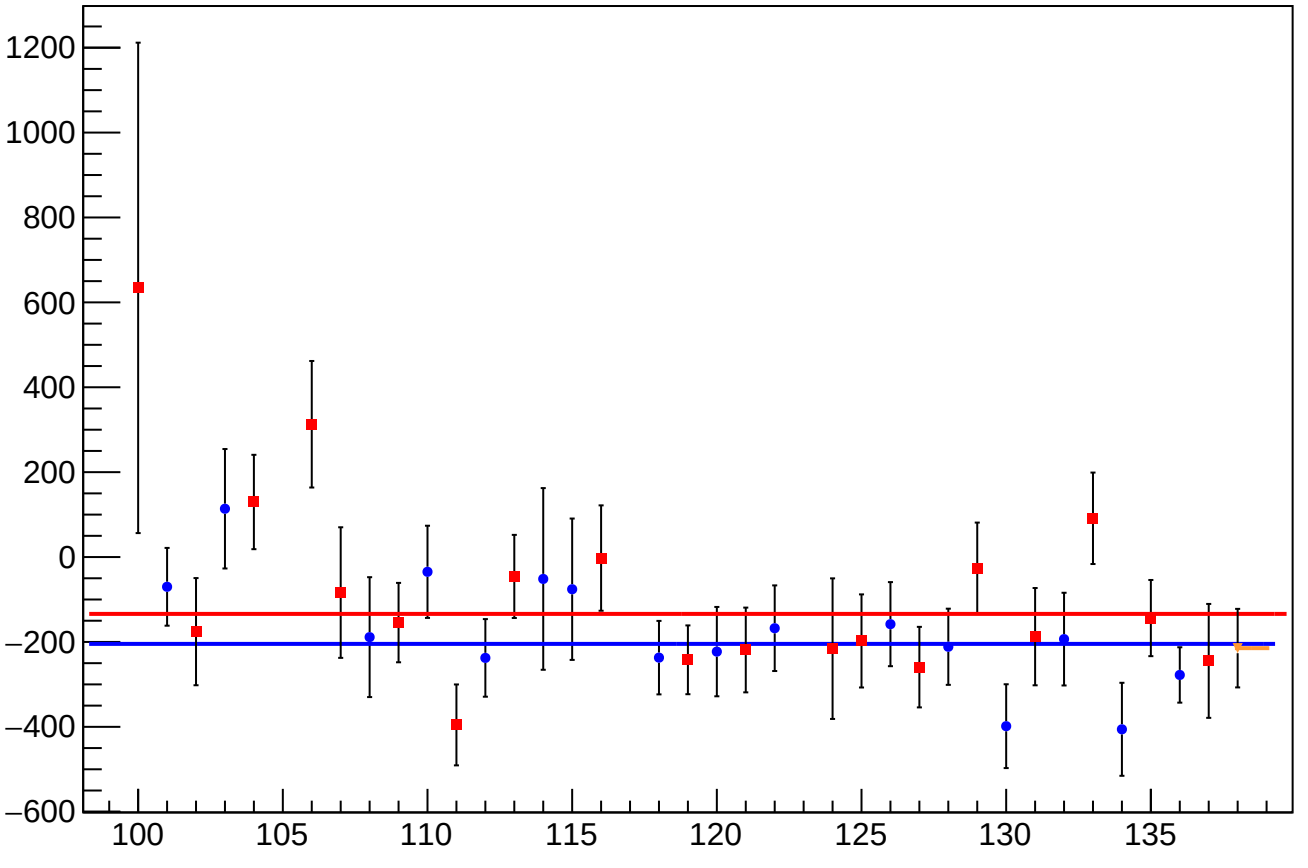
Left: 285.951+/-0.231 χ^2/NDF: 0.0/0

Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 175.099+/-0.056 χ^2/NDF:4429076.5/15

Out: 149.822+/-0.046 χ^2/NDF:5494170.0/19

All: 160.003+/-0.035 χ^2/NDF: 10046546.5/35



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -214.595+/-92.517 χ^2/NDF:0.0/0

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -214.595+/-92.517 χ^2/NDF: 0.0/0

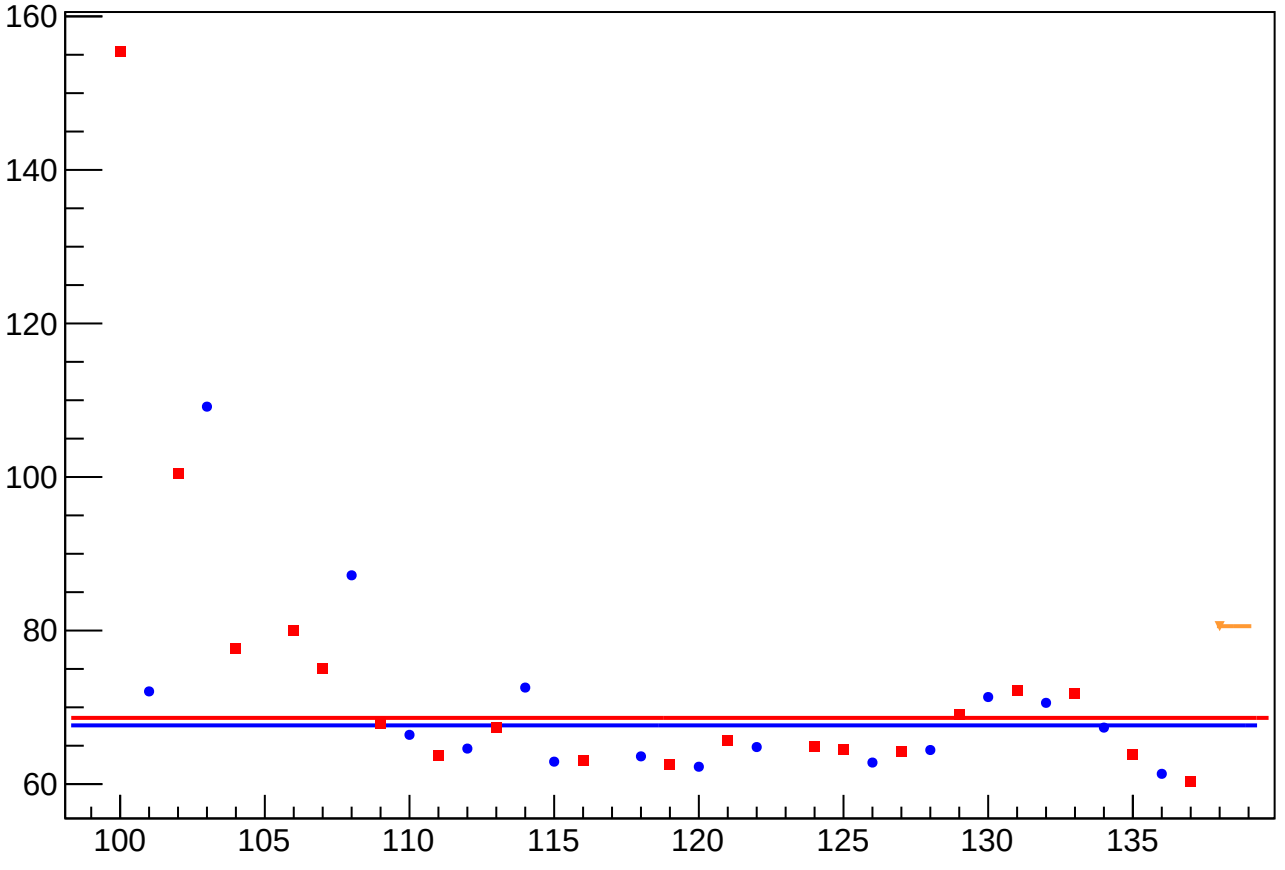
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -204.577+/-25.523 χ^2/NDF:20.0/15

Out: -139.614+/-24.568 χ^2/NDF:37.9/19

All: -170.858+/-17.700 χ^2/NDF: 61.3/35

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 80.569+/-0.065 χ^2/NDF:0.0/0

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

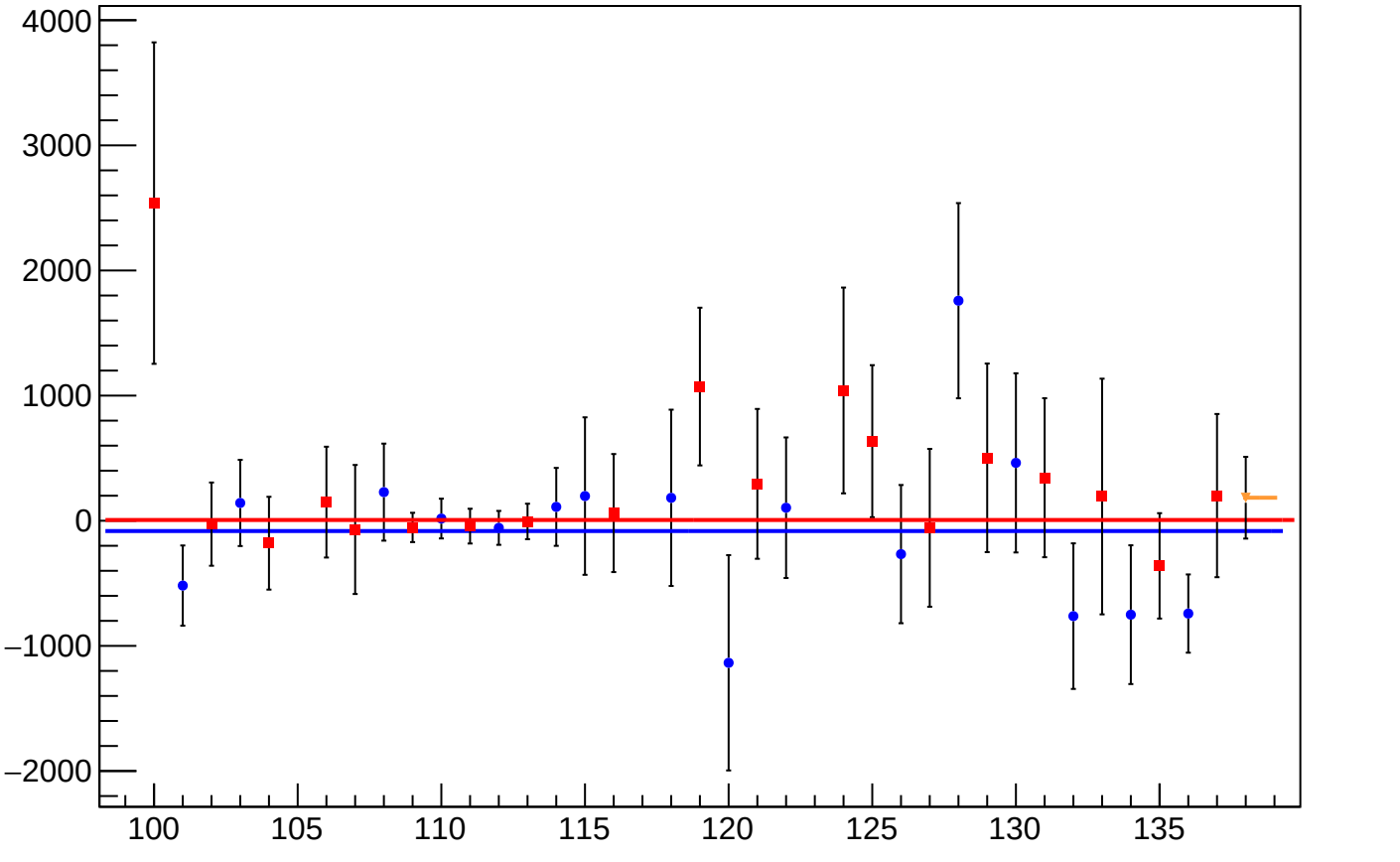
Left: 80.569+/-0.065 χ^2/NDF: 0.0/0

Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 67.647+/-0.018 χ^2/NDF:263668.9/15

Out: 69.466+/-0.017 χ^2/NDF:279154.1/19

All: 68.591+/-0.013 χ^2/NDF: 548094.7/35



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: 184.071+/-326.539 χ^2/NDF:0.0/0

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

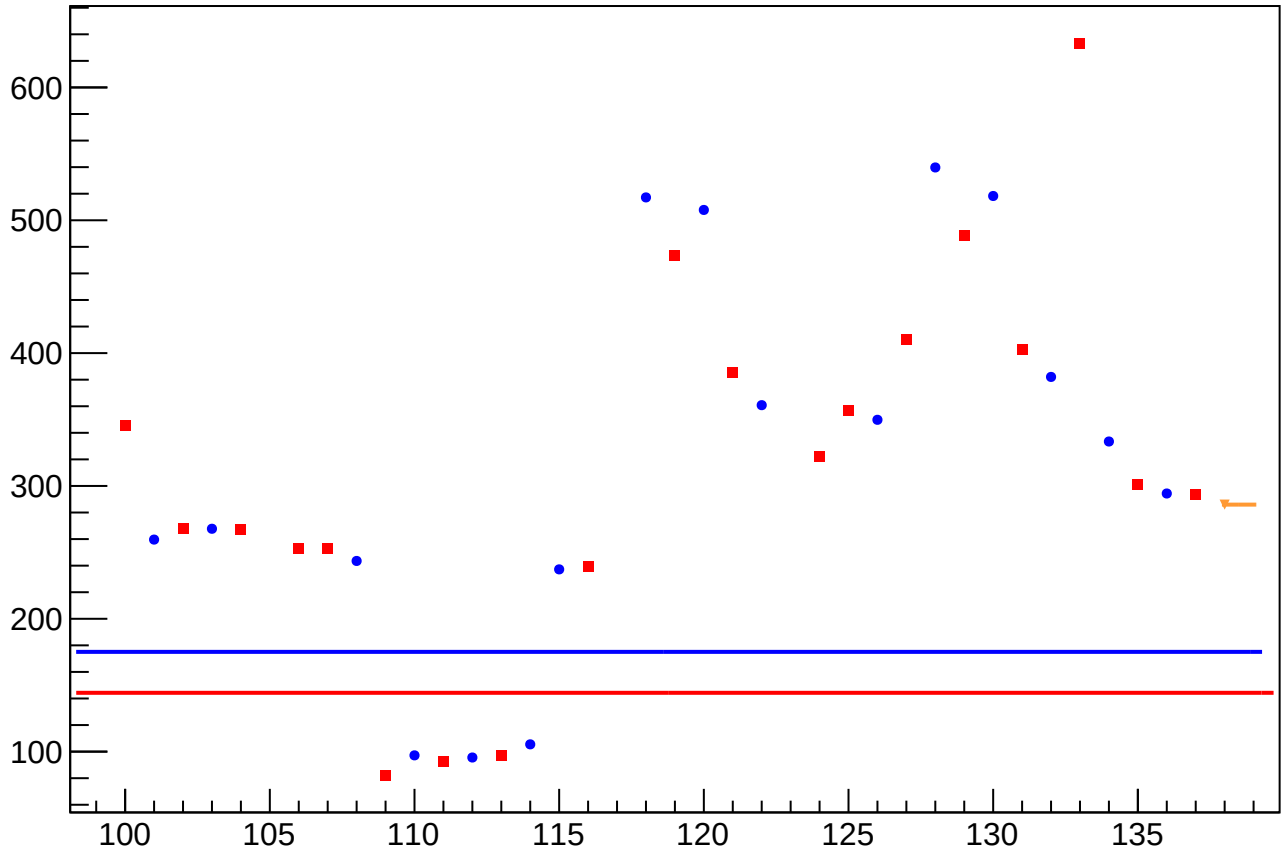
Left: 184.071+/-326.539 χ^2/NDF: 0.0/0

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -82.226+/-78.675 χ^2/NDF:19.2/15

Out: 13.030+/-64.607 χ^2/NDF:12.3/19

All: -25.334+/-49.930 χ^2/NDF: 32.4/35



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 285.949+/-0.231 χ^2/NDF:0.0/0

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

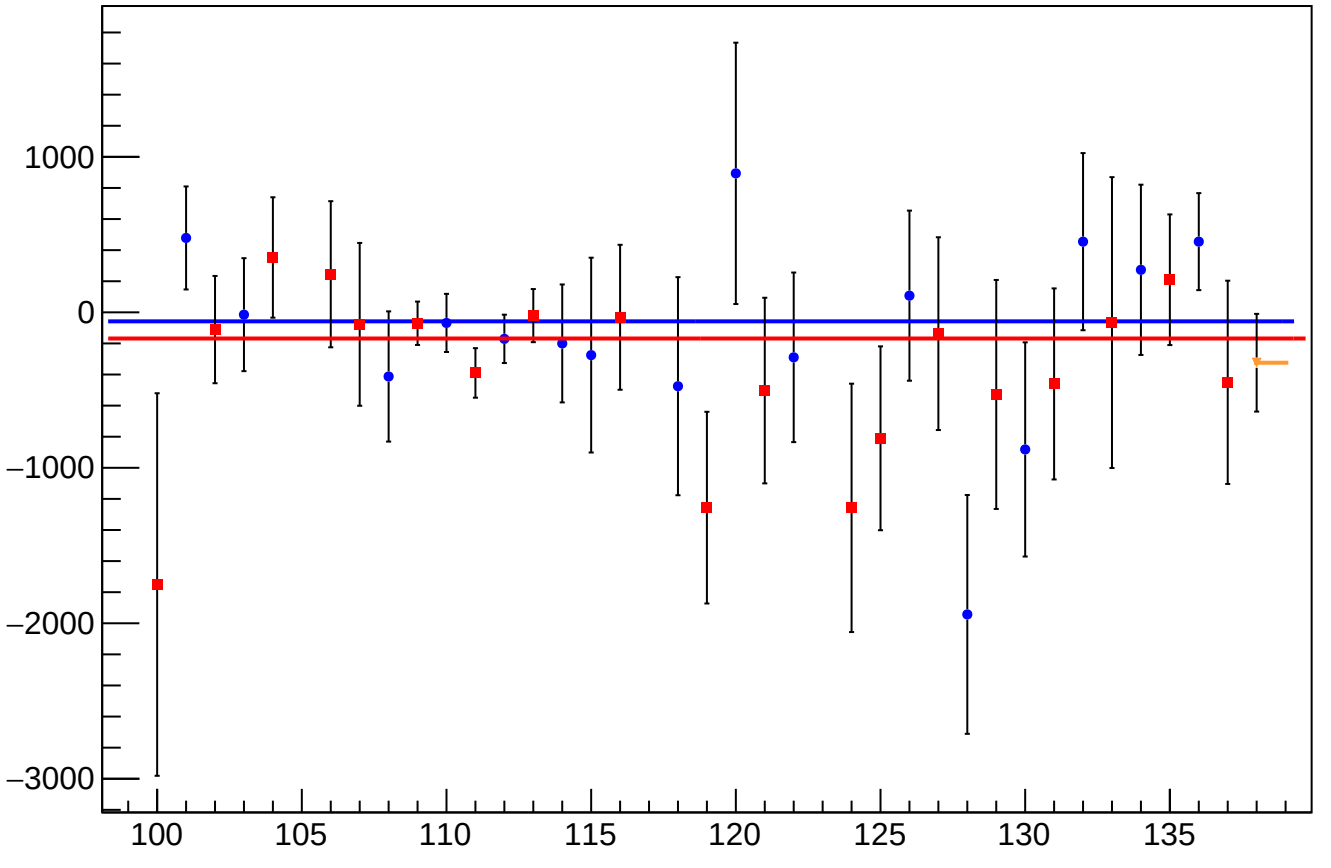
Left: 285.949+/-0.231 χ^2/NDF: 0.0/0

Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 175.098+/-0.056 χ^2/NDF:4429098.4/15

Out: 149.822+/-0.046 χ^2/NDF:5494146.7/19

All: 160.002+/-0.035 χ^2/NDF: 10046535.9/35



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: -324.150+/-314.208 χ^2/NDF:0.0/0

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -324.150+/-314.208 χ^2/NDF: 0.0/0

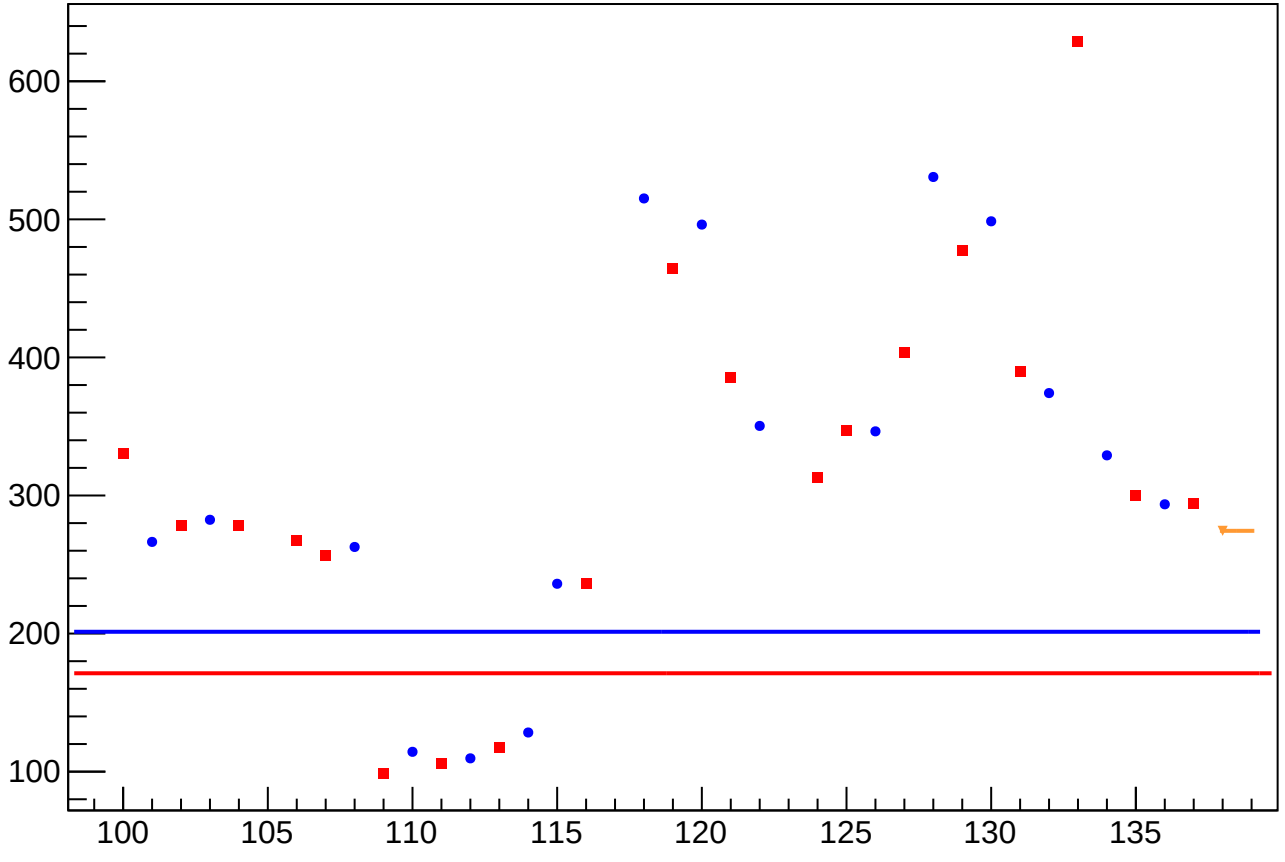
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -57.970+/-86.890 χ^2/NDF:17.4/15

Out: -176.636+/-72.580 χ^2/NDF:15.7/19

All: -127.867+/-55.704 χ^2/NDF: 34.2/35

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 274.412+/-0.222 χ^2/NDF:0.0/0

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

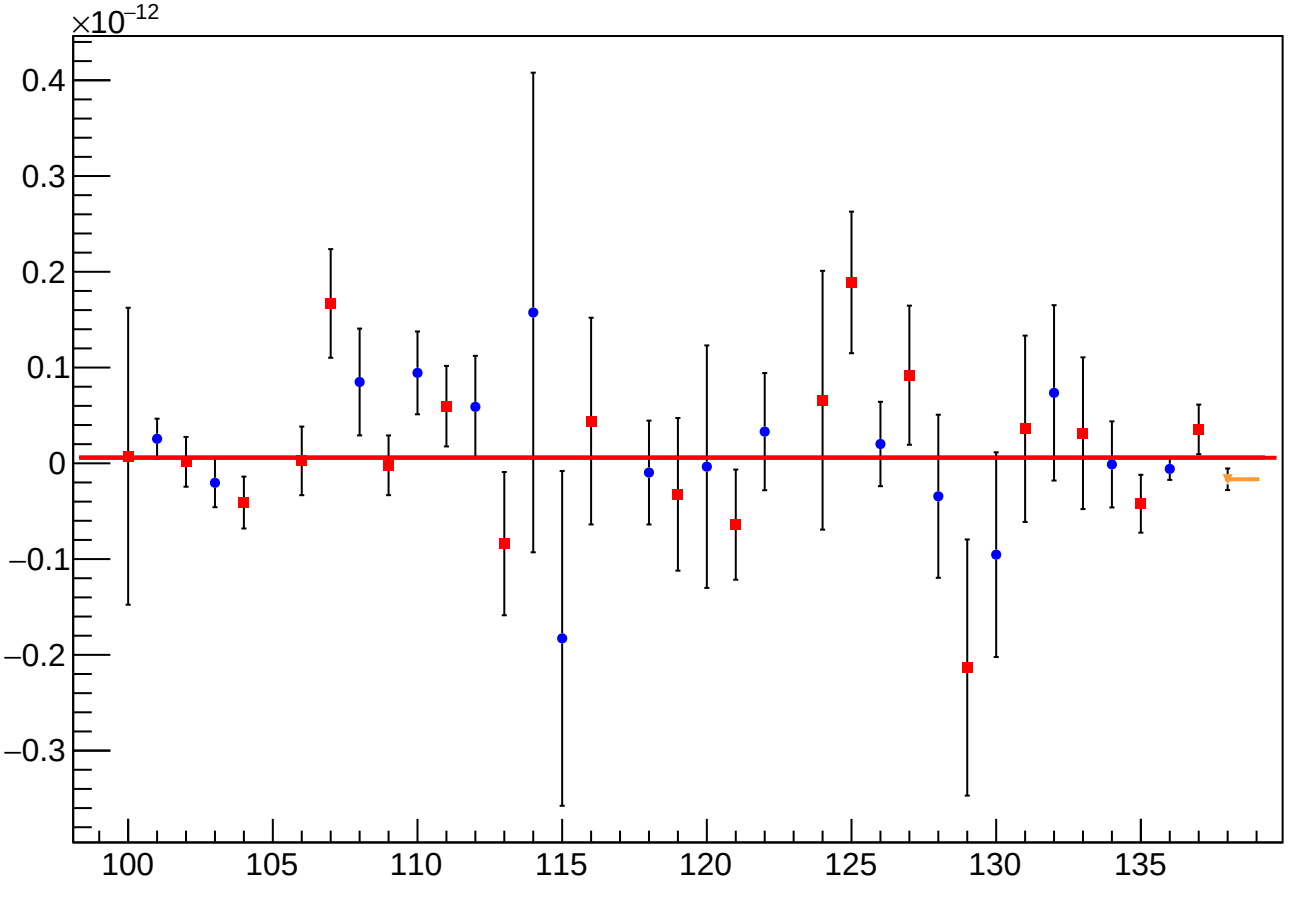
Left: 274.412+/-0.222 χ^2/NDF: 0.0/0

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 201.301+/-0.061 χ^2/NDF:3572199.4/15

Out: 176.756+/-0.051 χ^2/NDF:4396634.8/19

All: 186.844+/-0.039 χ^2/NDF: 8062839.1/35



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

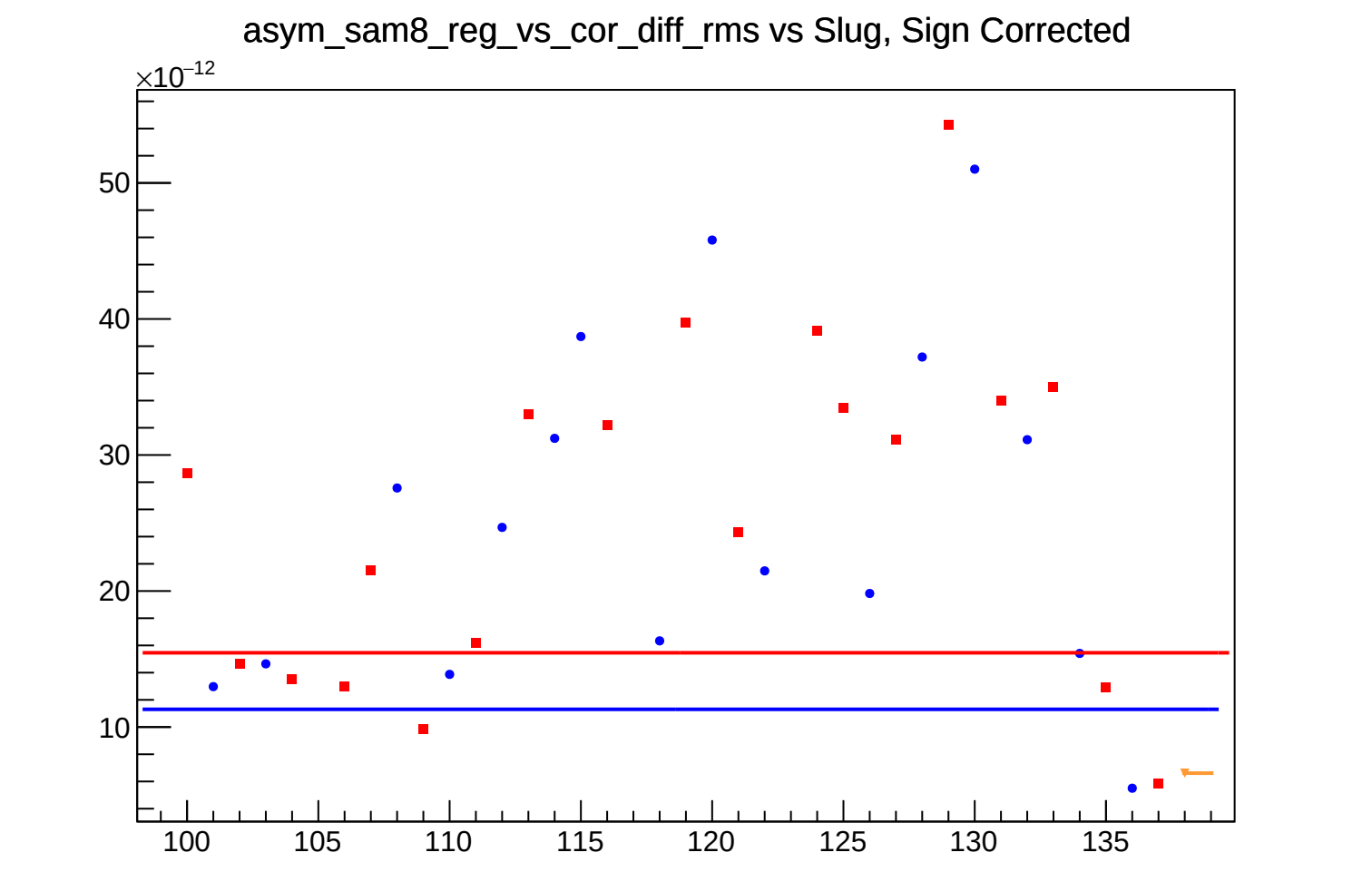
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: 0.000+/-0.000 χ^2/NDF:13.8/15

Out: -0.000+/-0.000 χ^2/NDF:32.7/19

All: 0.000+/-0.000 χ^2/NDF: 47.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

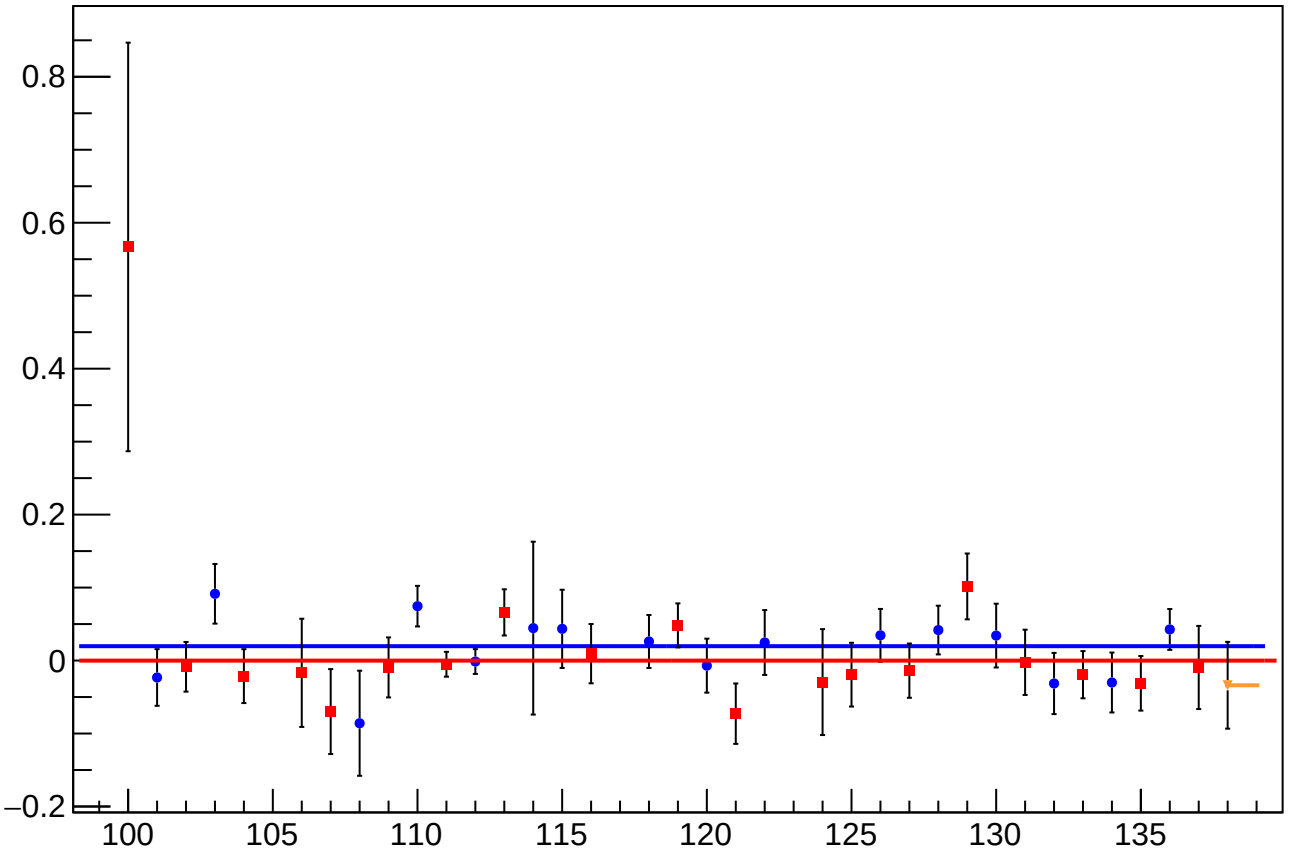
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3431603.8/34

In: 0.000+/-0.000 χ^2/NDF:1788731.6/15

Out: 0.000+/-0.000 χ^2/NDF:2119643.1/19

All: 0.000+/-0.000 χ^2/NDF: 3908889.0/35



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.034+/-0.059 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

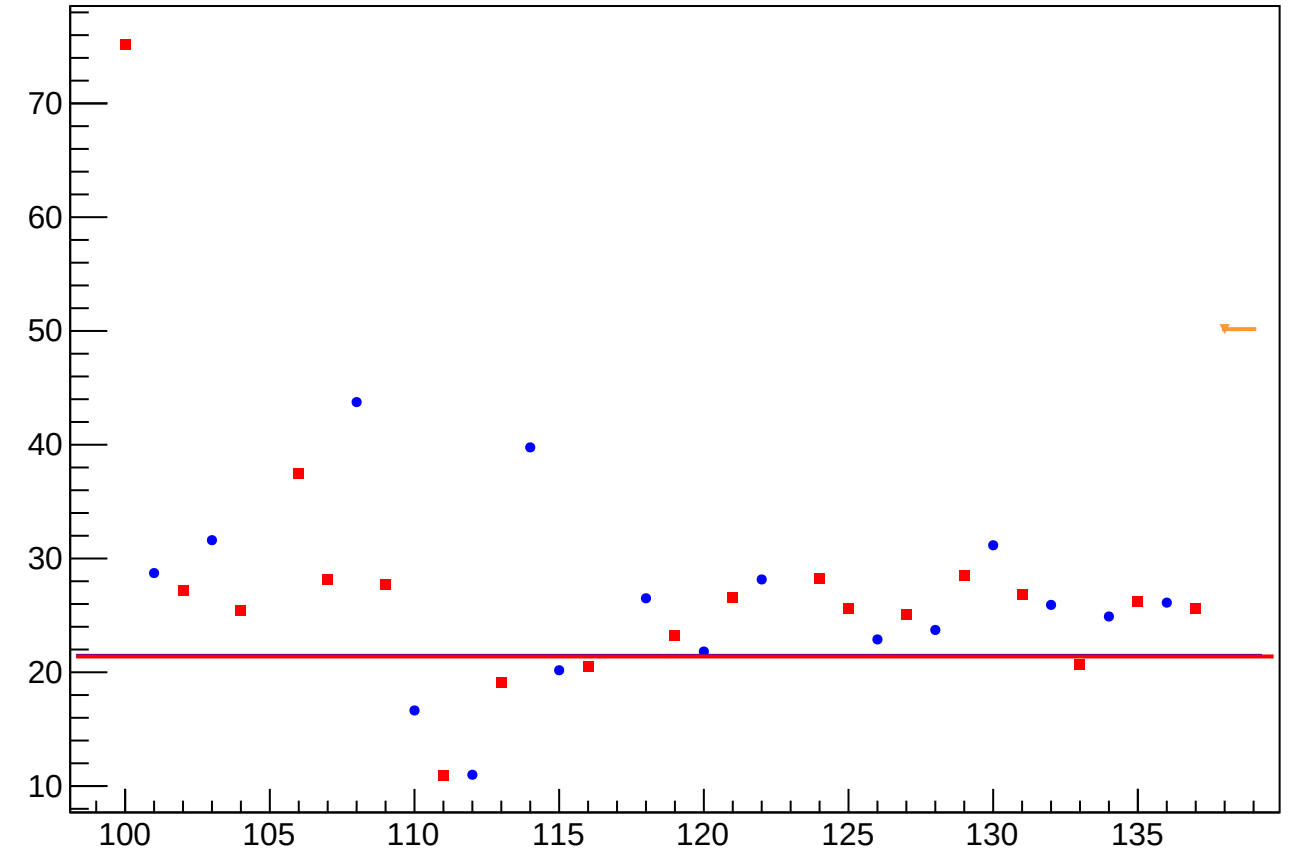
Left: -0.034+/-0.059 χ^2/NDF: 0.0/0

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.020+/-0.009 χ^2/NDF:17.0/15

Out: -0.001+/-0.008 χ^2/NDF:23.2/19

All: 0.009+/-0.006 χ^2/NDF: 43.1/35



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 50.161+/-0.042 χ^2/NDF:0.0/0

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

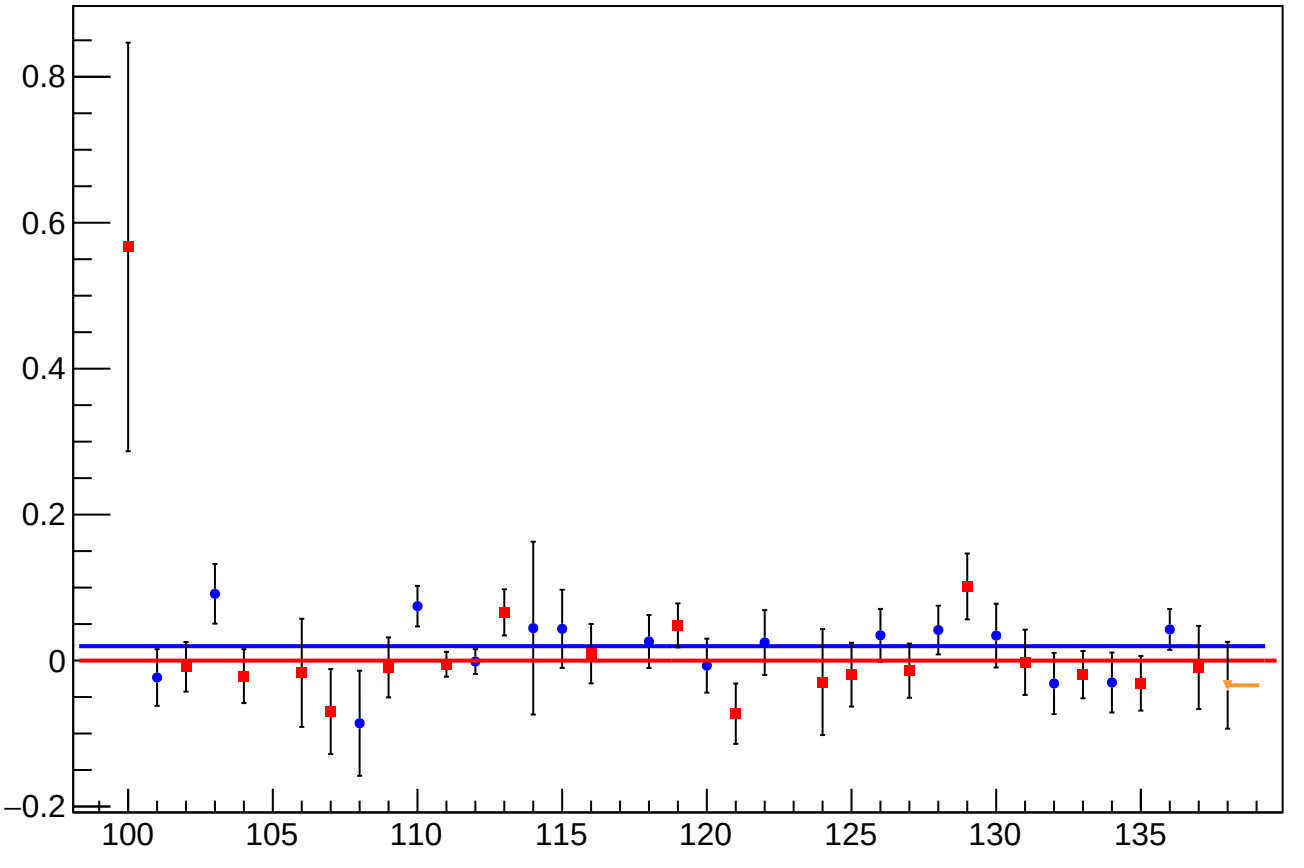
Left: 50.161+/-0.042 χ^2/NDF: 0.0/0

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 21.444+/-0.006 χ^2/NDF:1540713.8/15

Out: 21.966+/-0.006 χ^2/NDF:1770510.6/19

All: 21.713+/-0.004 χ^2/NDF: 3314956.7/35



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.034+/-0.059 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

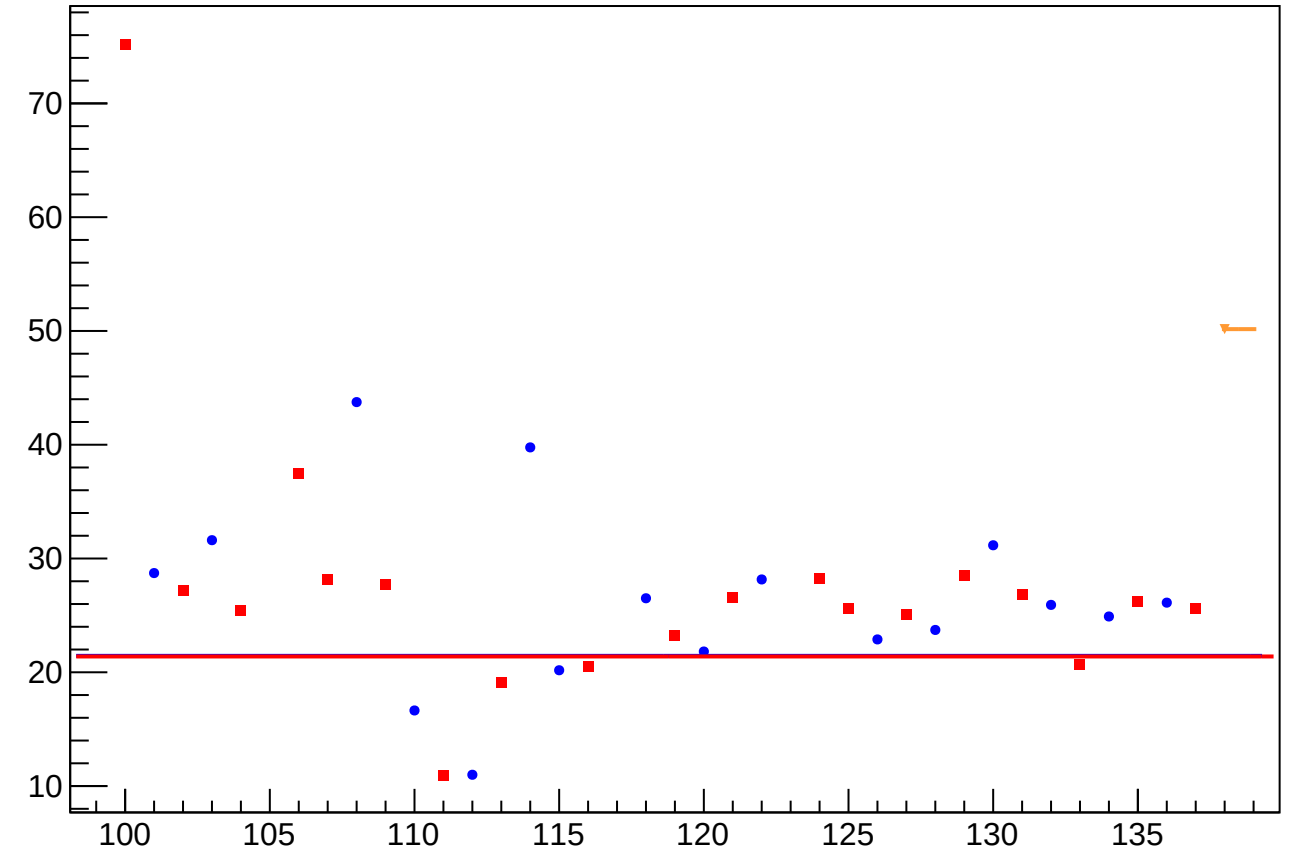
Left: -0.034+/-0.059 χ^2/NDF: 0.0/0

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.020+/-0.009 χ^2/NDF:17.0/15

Out: -0.001+/-0.008 χ^2/NDF:23.2/19

All: 0.009+/-0.006 χ^2/NDF: 43.1/35



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 50.161+/-0.042 χ^2/NDF:0.0/0

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

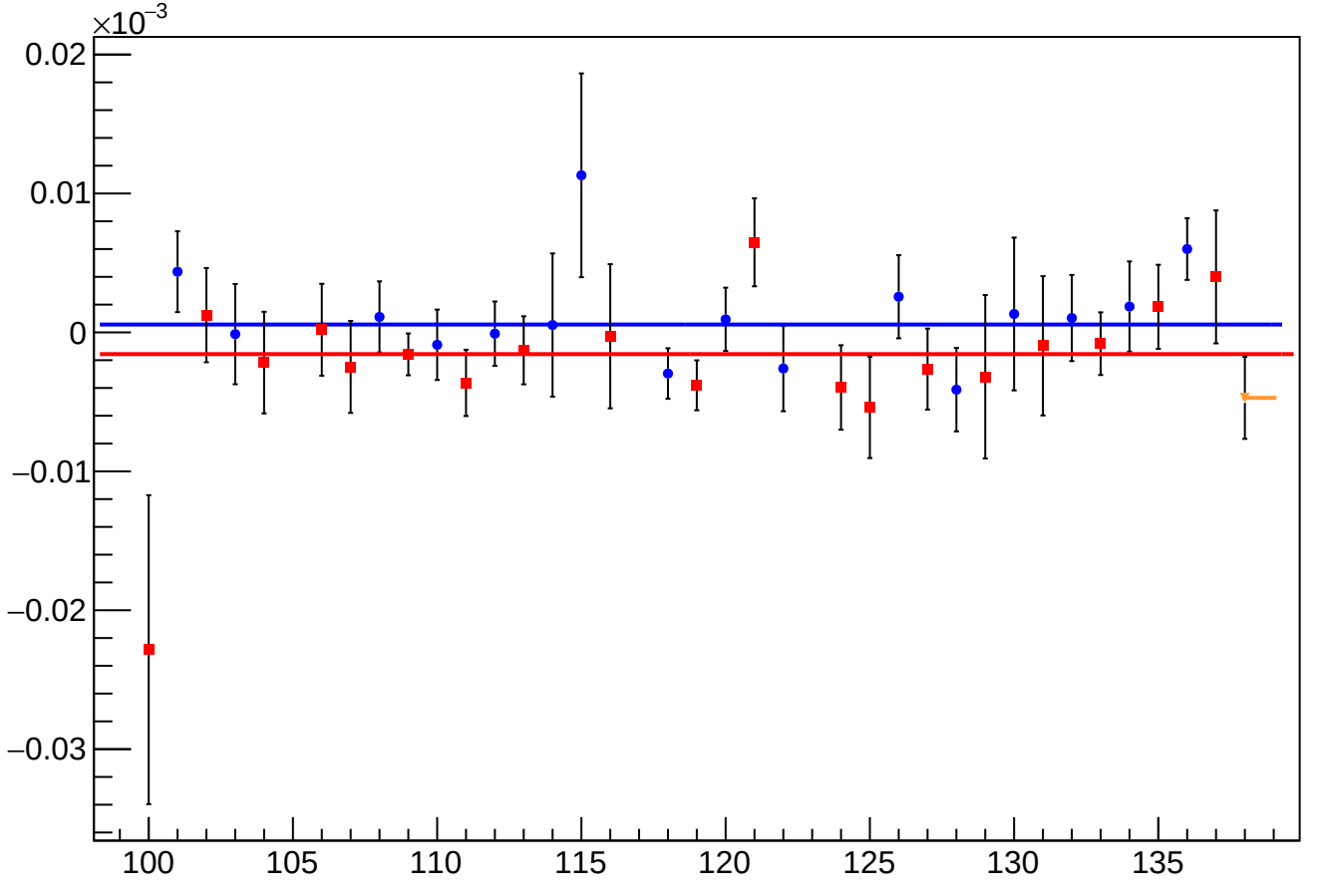
Left: 50.161+/-0.042 χ^2/NDF: 0.0/0

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 21.444+/-0.006 χ^2/NDF:1540713.8/15

Out: 21.966+/-0.006 χ^2/NDF:1770510.6/19

All: 21.713+/-0.004 χ^2/NDF: 3314956.7/35



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

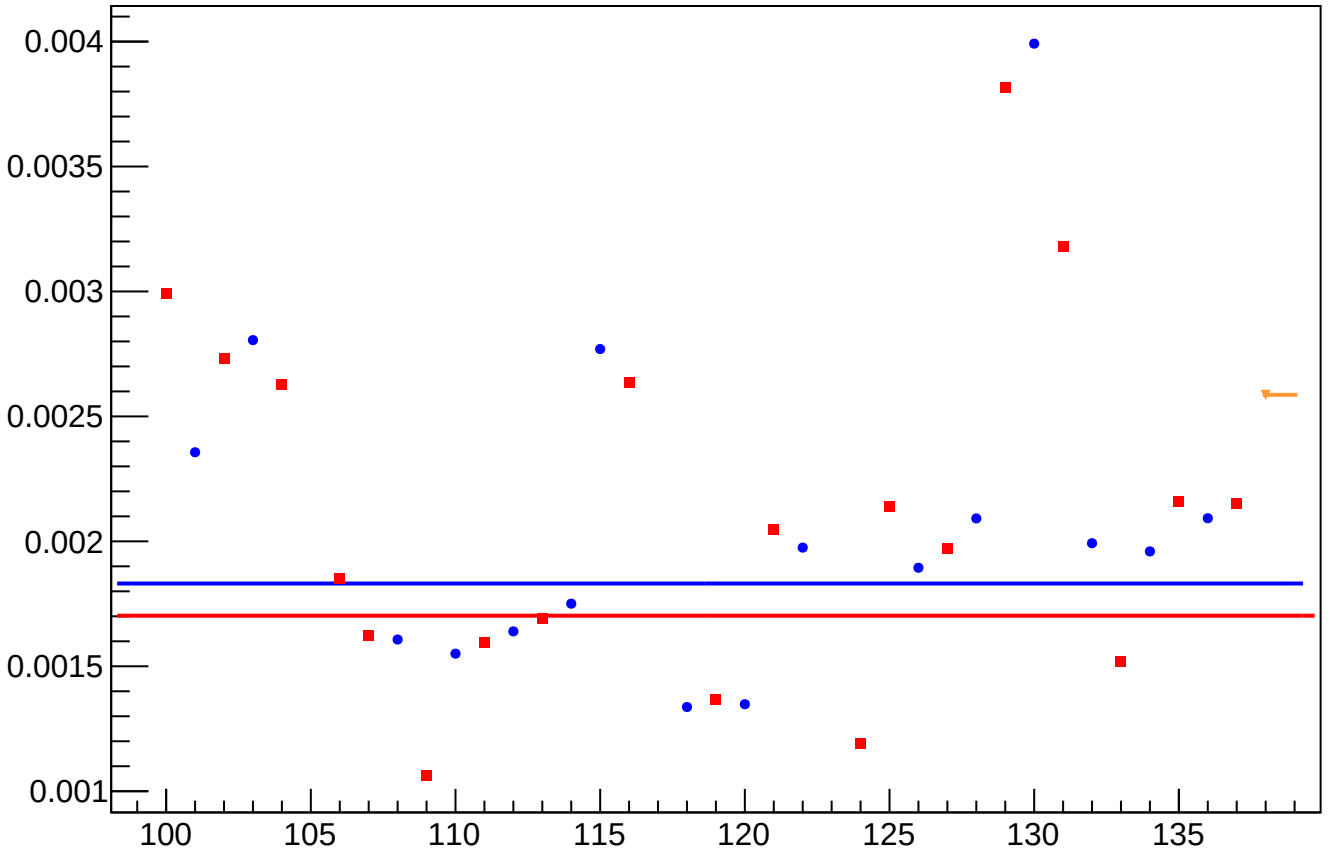
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:18.3/15

Out: -0.000+/-0.000 χ^2/NDF:19.4/19

All: -0.000+/-0.000 χ^2/NDF: 43.3/35



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

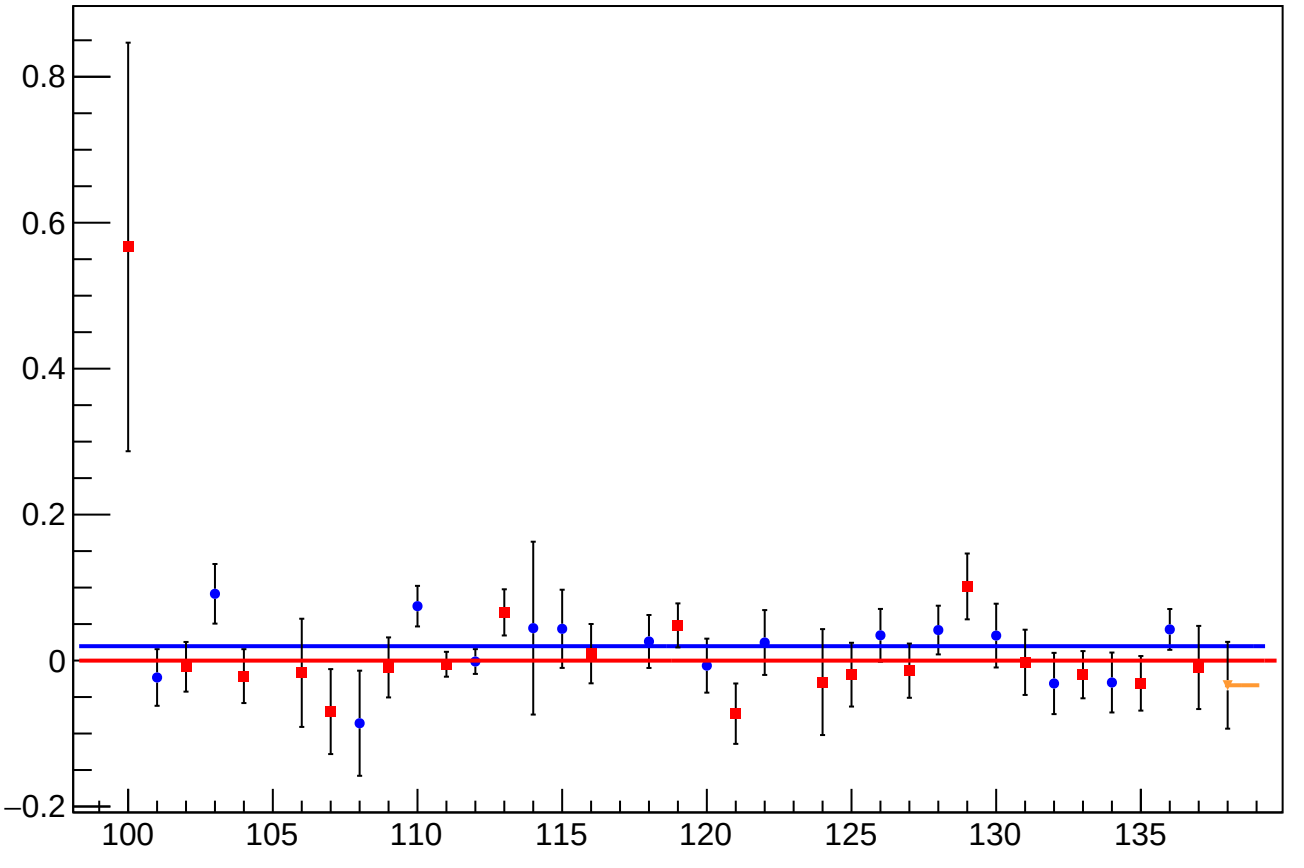
Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:900406.1/15

Out: 0.002+/-0.000 χ^2/NDF:1649044.5/19

All: 0.002+/-0.000 χ^2/NDF: 2565923.2/35



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.034+/-0.059 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

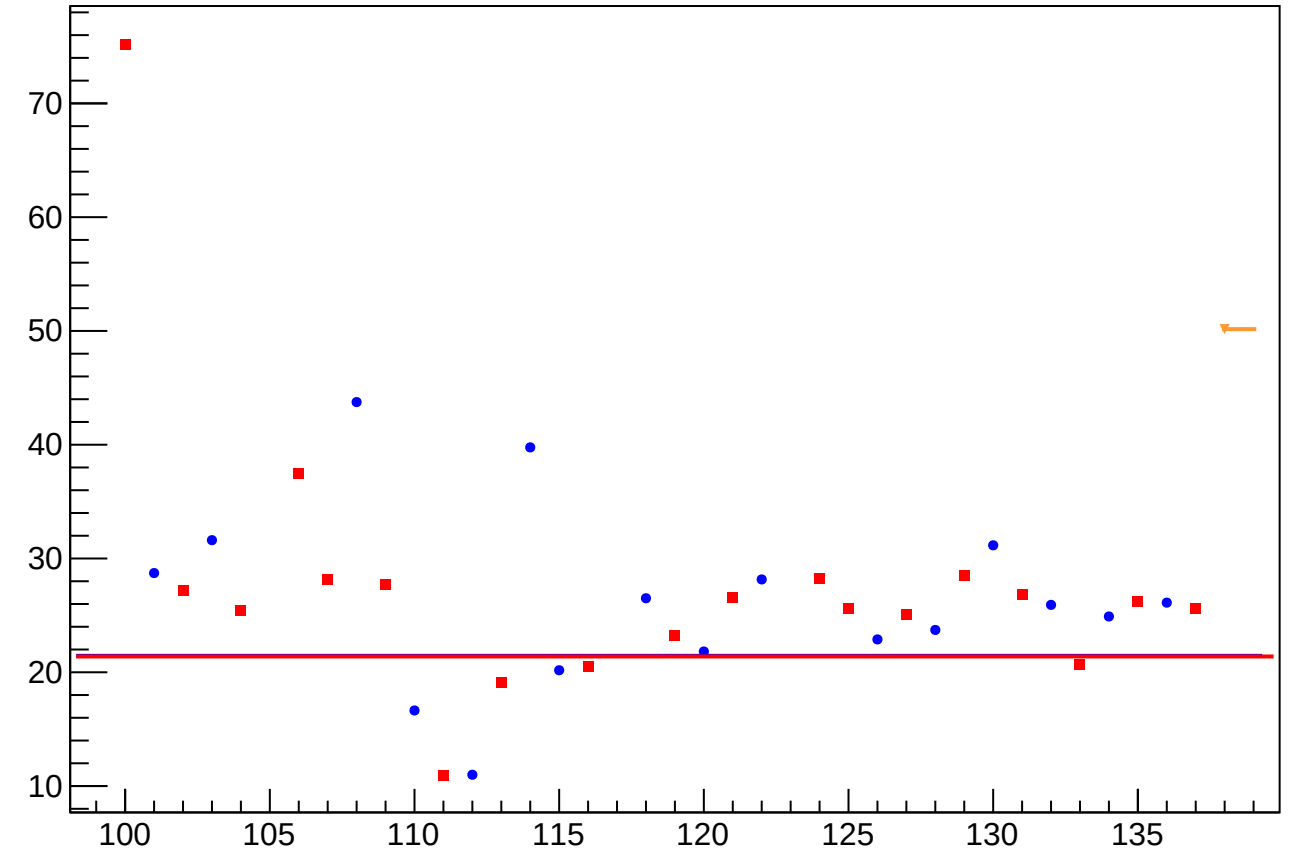
Left: -0.034+/-0.059 χ^2/NDF: 0.0/0

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.020+/-0.009 χ^2/NDF:17.0/15

Out: -0.001+/-0.008 χ^2/NDF:23.2/19

All: 0.009+/-0.006 χ^2/NDF: 43.1/35



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 50.161+/-0.042 χ^2/NDF:0.0/0

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 50.161+/-0.042 χ^2/NDF: 0.0/0

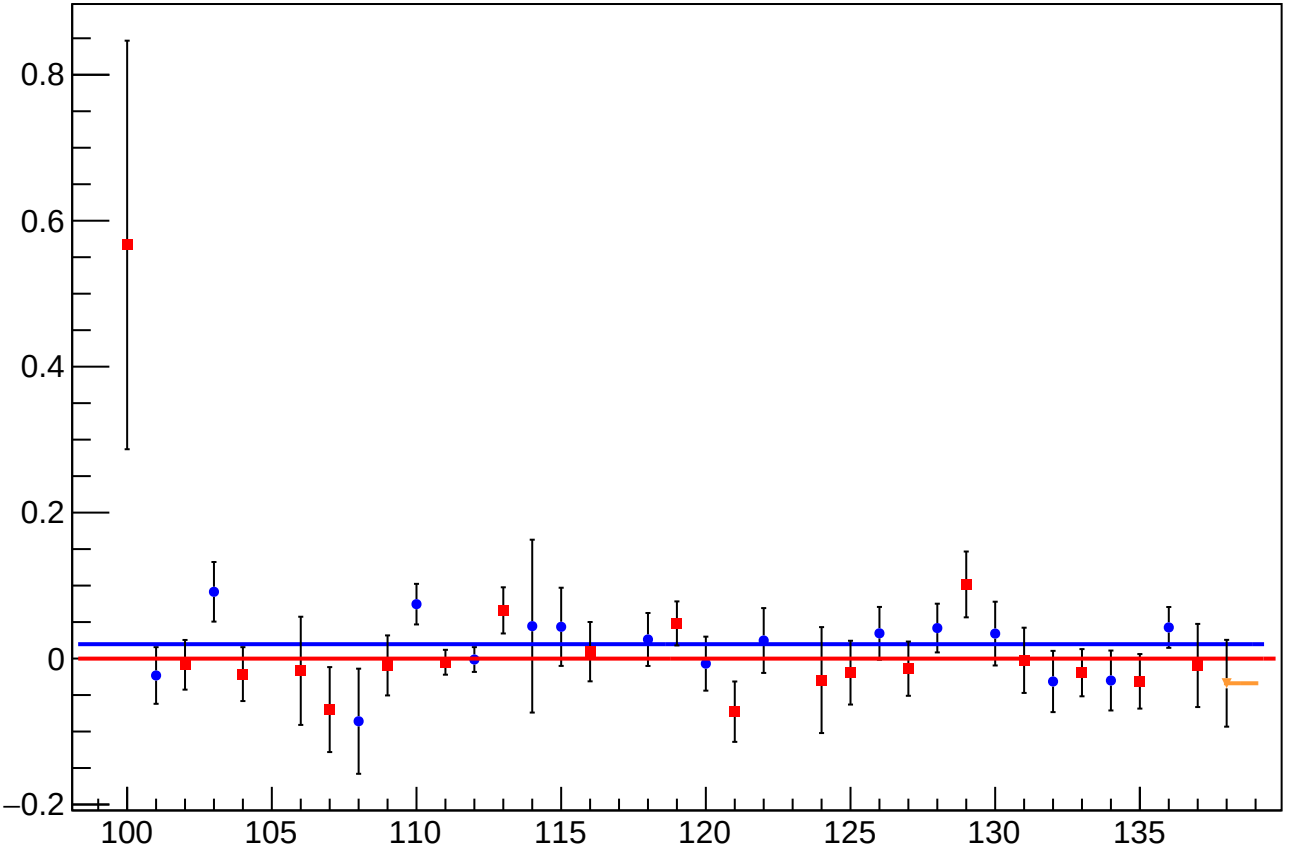
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 21.443+/-0.006 χ^2/NDF:1540859.8/15

Out: 21.965+/-0.006 χ^2/NDF:1770647.1/19

All: 21.712+/-0.004 χ^2/NDF: 3315239.4/35

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+/-0.059 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

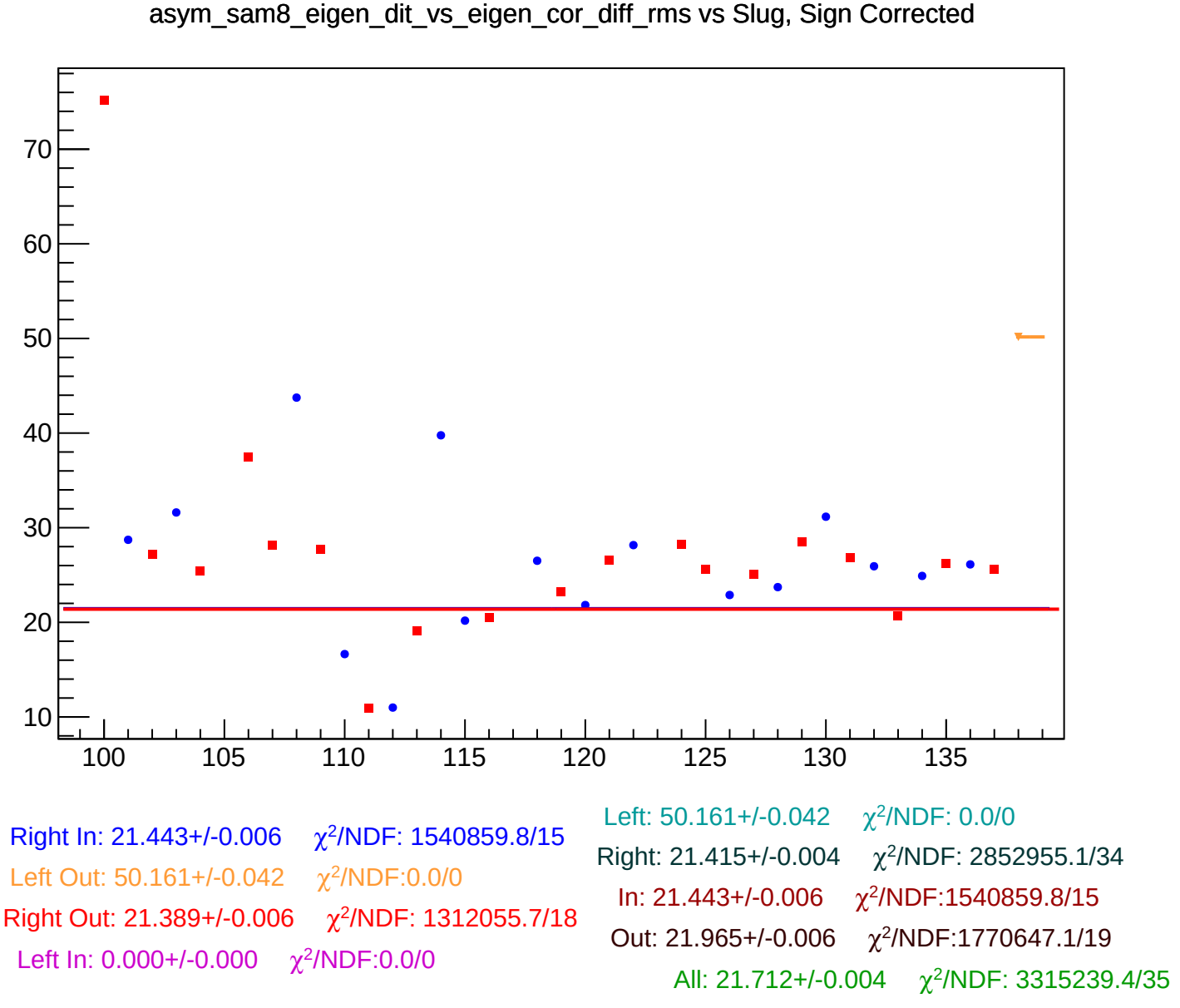
Left: -0.034+/-0.059 χ^2/NDF: 0.0/0

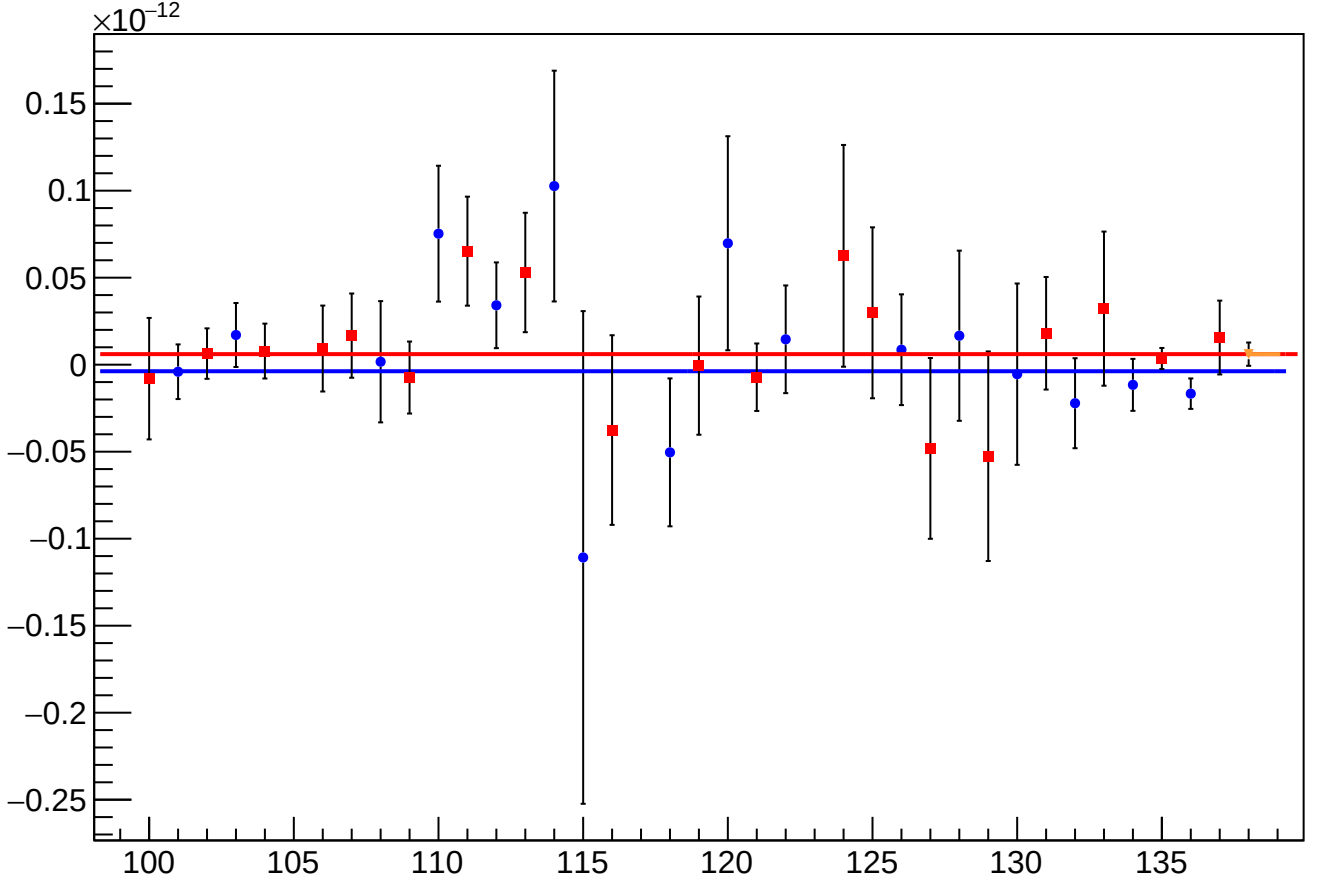
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.020+/-0.009 χ^2/NDF:17.0/15

Out: -0.001+/-0.008 χ^2/NDF:23.2/19

All: 0.009+/-0.006 χ^2/NDF: 43.1/35


asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
Right In: 21.443+/-0.006 χ²/NDF: 1540859.8/15
Left Out: 50.161+/-0.042 χ²/NDF:0.0/0
Right Out: 21.389+/-0.006 χ²/NDF: 1312055.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 50.161+/-0.042 χ²/NDF: 0.0/0
Right: 21.415+/-0.004 χ²/NDF: 2852955.1/34
In: 21.443+/-0.006 χ²/NDF:1540859.8/15
Out: 21.965+/-0.006 χ²/NDF:1770647.1/19
All: 21.712+/-0.004 χ²/NDF: 3315239.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

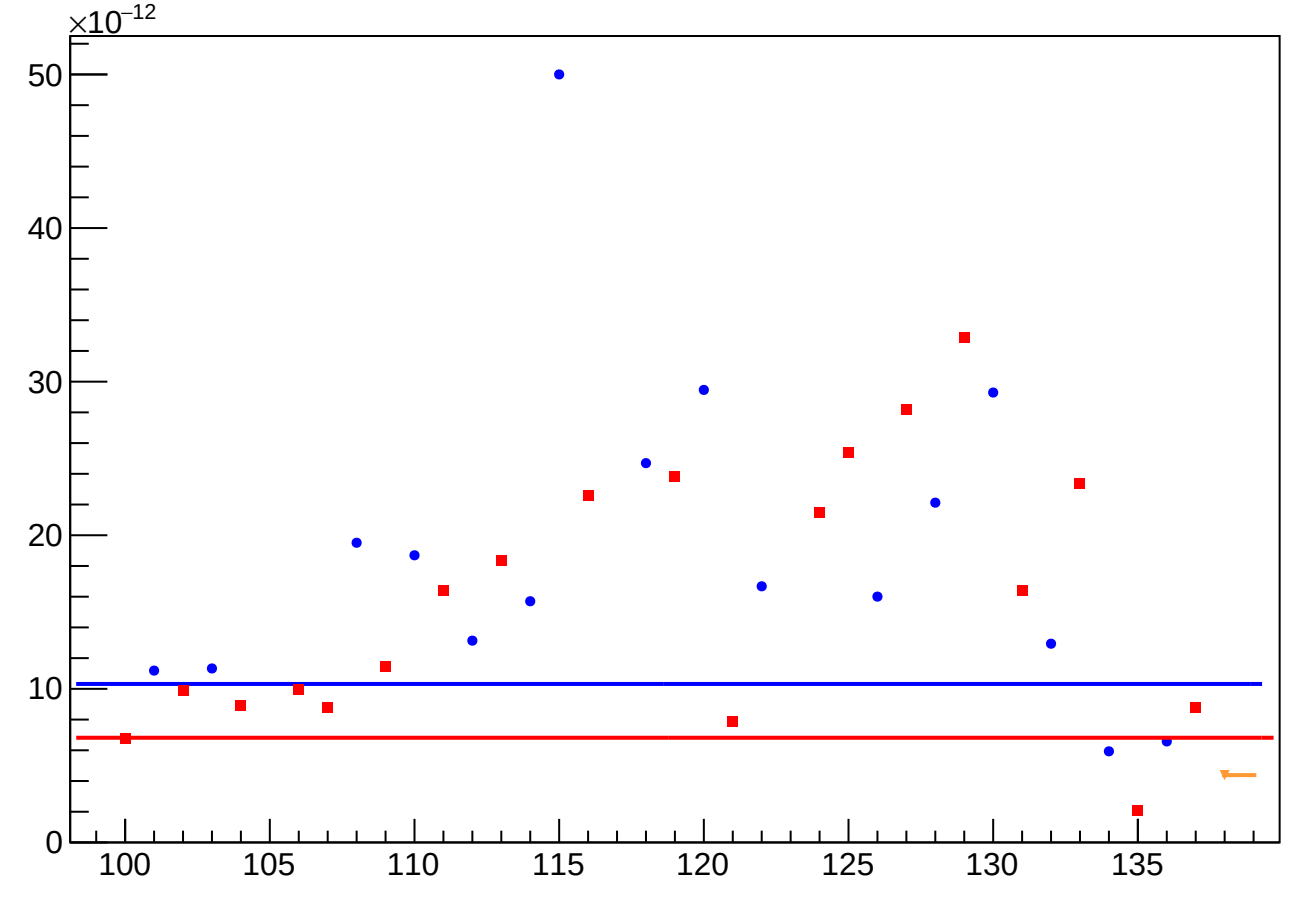
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:17.2/15

Out: 0.000+/-0.000 χ^2/NDF:11.3/19

All: 0.000+/-0.000 χ^2/NDF: 30.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

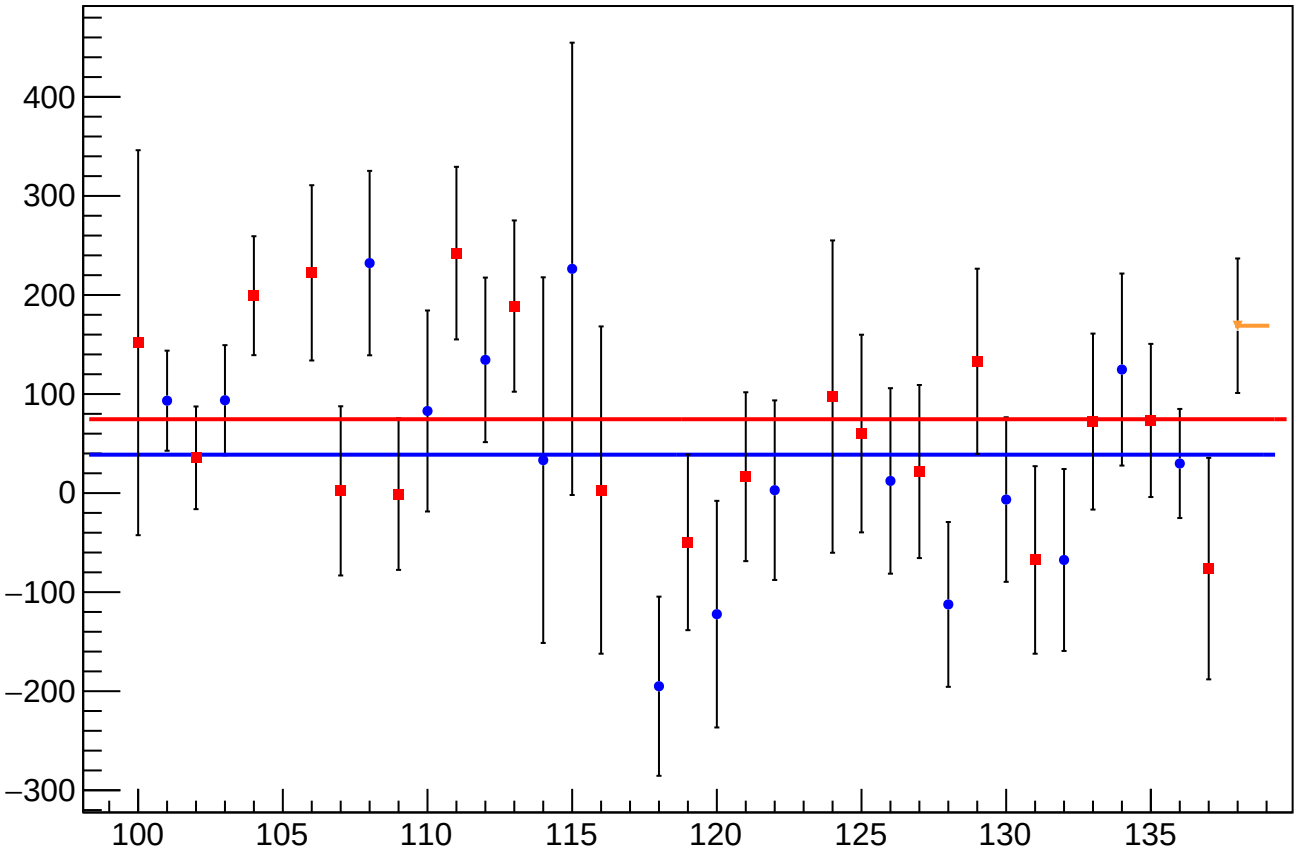
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 6473556.7/34

In: 0.000+/-0.000 χ^2/NDF:1951308.5/15

Out: 0.000+/-0.000 χ^2/NDF:4207986.4/19

All: 0.000+/-0.000 χ^2/NDF: 6979523.0/35



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 168.970+/-67.907 χ^2/NDF:0.0/0

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

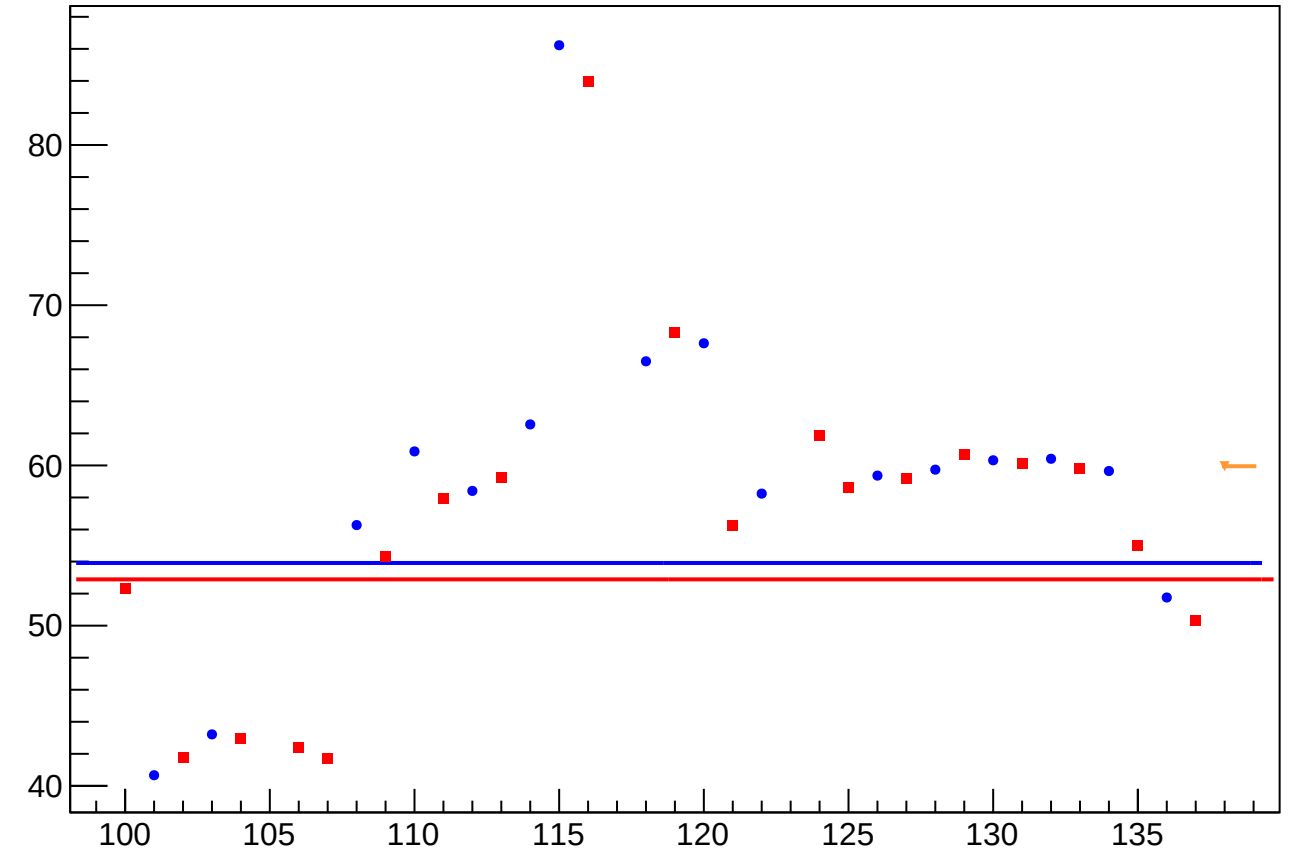
Left: 168.970+/-67.907 χ^2/NDF: 0.0/0

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 38.782+/-20.413 χ^2/NDF:23.3/15

Out: 81.976+/-19.010 χ^2/NDF:24.2/19

All: 61.914+/-13.912 χ^2/NDF: 49.9/35



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 59.951+/-0.048 χ^2/NDF:0.0/0

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

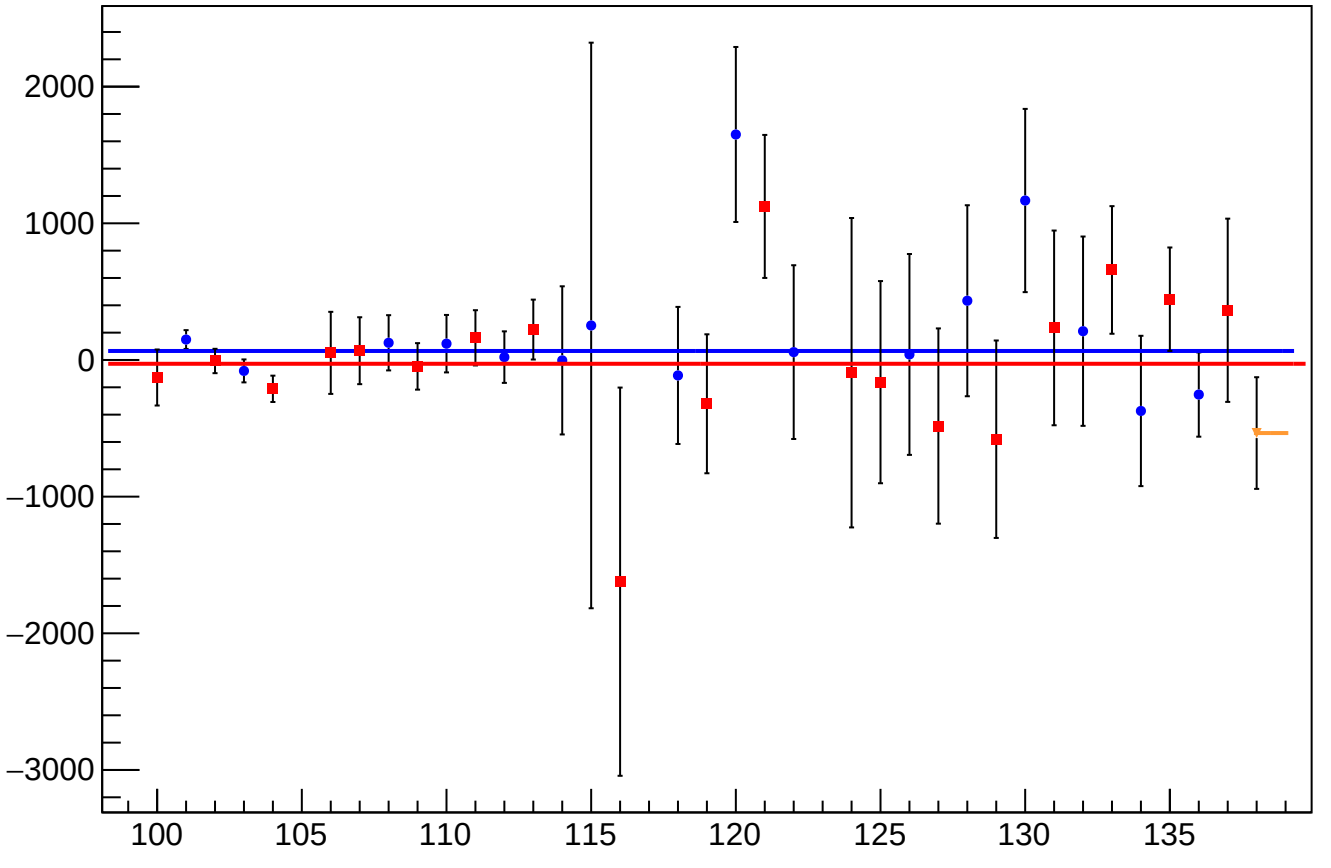
Left: 59.951+/-0.048 χ^2/NDF: 0.0/0

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 53.912+/-0.014 χ^2/NDF:393261.4/15

Out: 53.442+/-0.013 χ^2/NDF:445161.9/19

All: 53.661+/-0.010 χ^2/NDF: 838990.8/35



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -534.681+/-408.564 χ^2/NDF:0.0/0

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -534.681+/-408.564 χ^2/NDF: 0.0/0

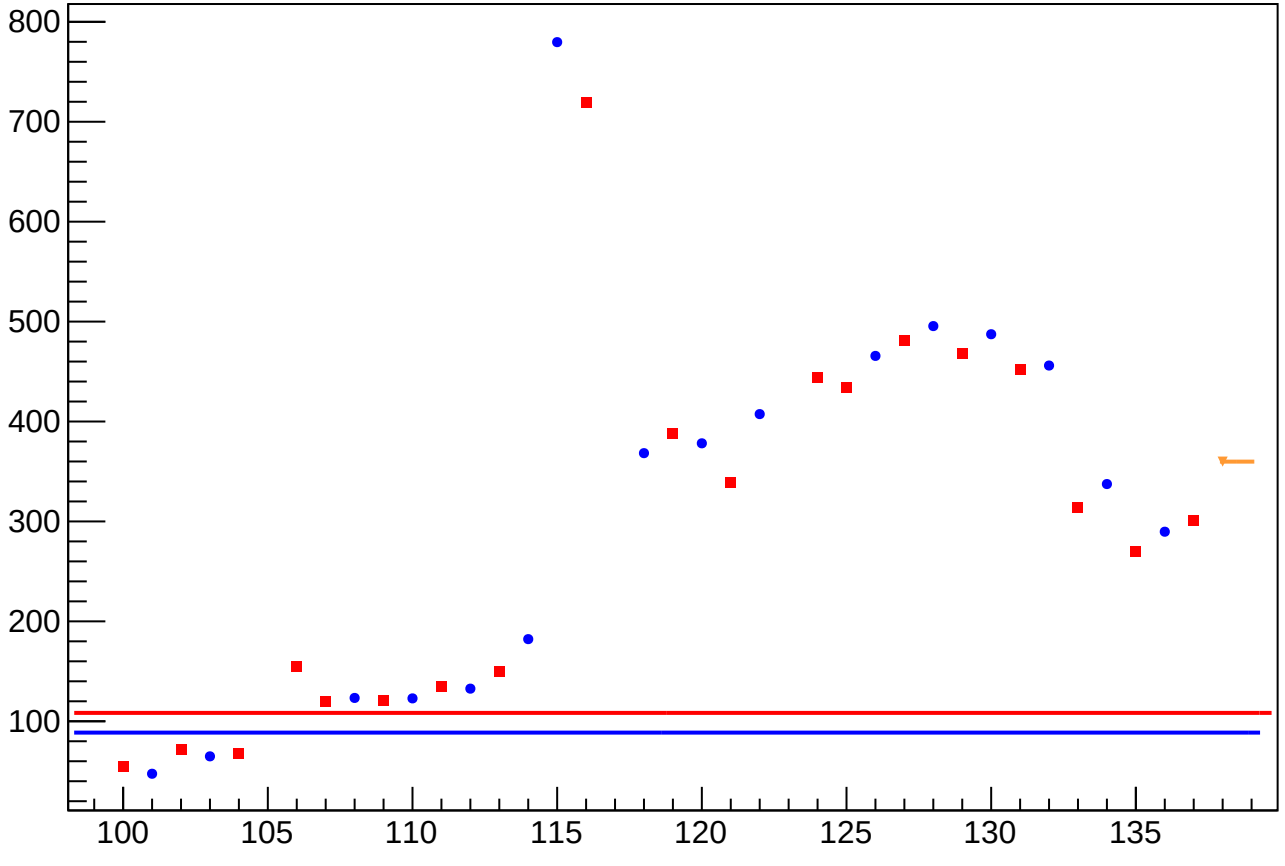
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 65.853+/-46.478 χ^2/NDF:15.7/15

Out: -35.415+/-49.915 χ^2/NDF:19.5/19

All: 18.824+/-34.015 χ^2/NDF: 37.4/35

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: 359.854+/-0.289 χ^2/NDF:0.0/0

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

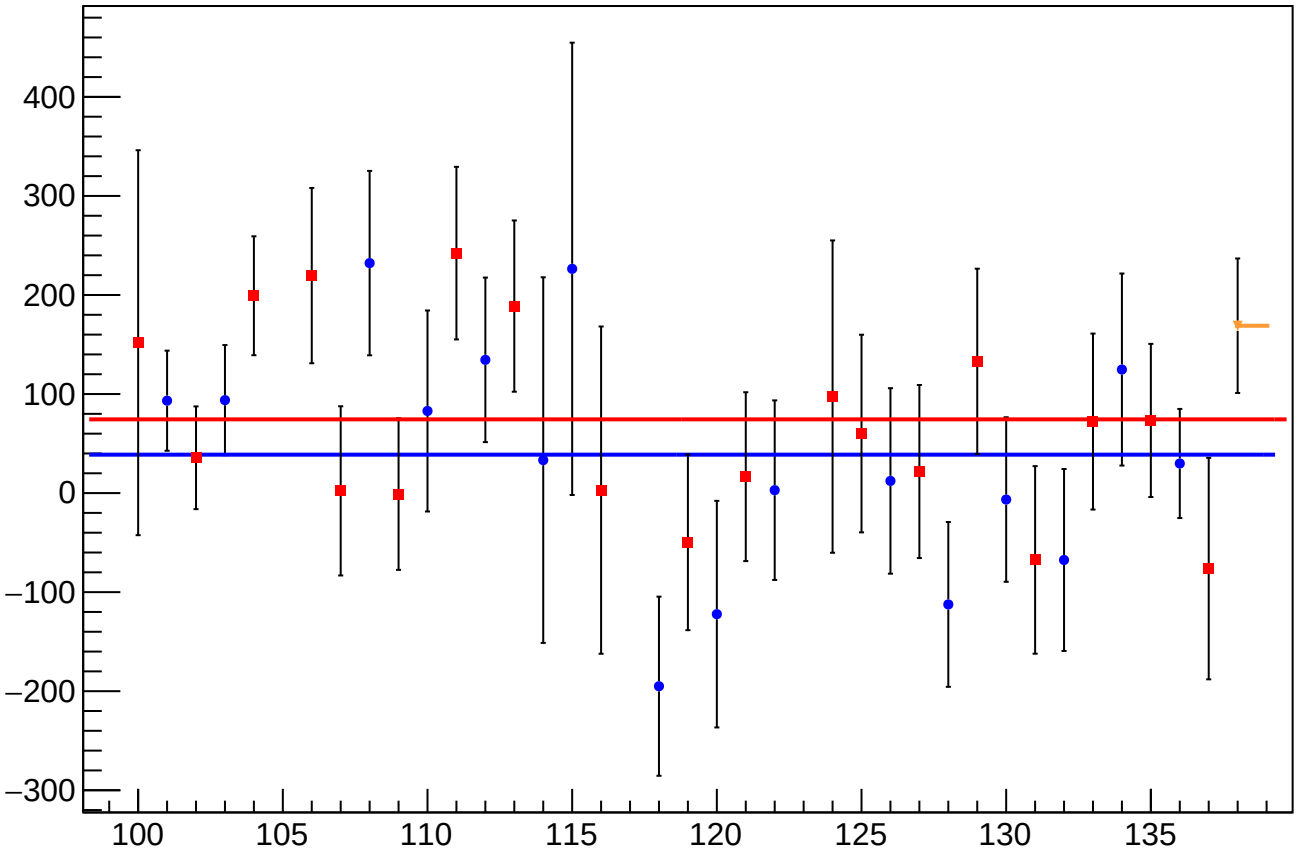
Left: 359.854+/-0.289 χ^2/NDF: 0.0/0

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 88.658+/-0.033 χ^2/NDF:6648055.6/15

Out: 112.139+/-0.035 χ^2/NDF:6109199.6/19

All: 99.562+/-0.024 χ^2/NDF: 12994306.1/35



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 168.958+/-67.907 χ^2/NDF:0.0/0

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

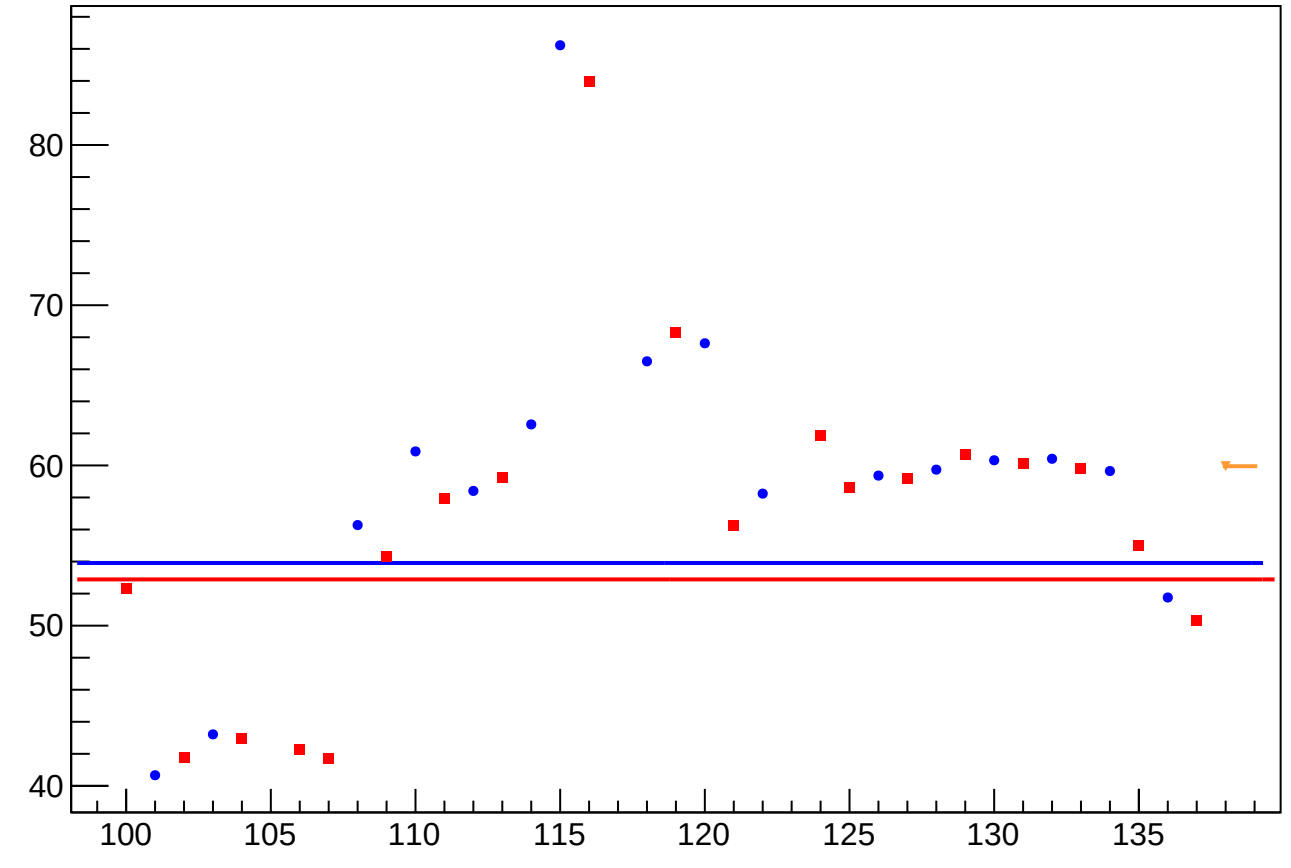
Left: 168.958+/-67.907 χ^2/NDF: 0.0/0

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 38.794+/-20.413 χ^2/NDF:23.3/15

Out: 81.850+/-19.011 χ^2/NDF:24.1/19

All: 61.851+/-13.912 χ^2/NDF: 49.8/35



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 59.951+/-0.048 χ^2/NDF:0.0/0

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

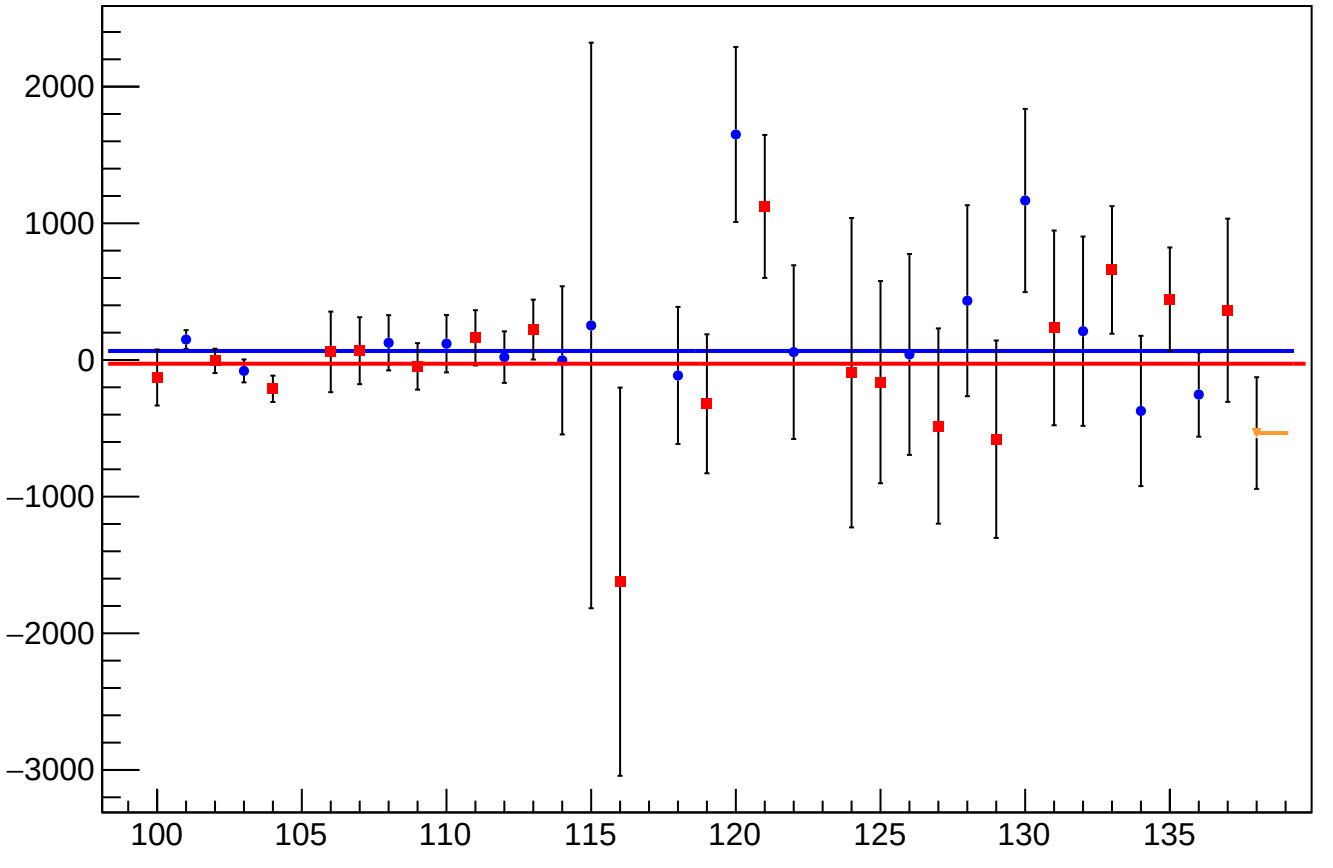
Left: 59.951+/-0.048 χ^2/NDF: 0.0/0

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 53.912+/-0.014 χ^2/NDF:393260.8/15

Out: 53.440+/-0.013 χ^2/NDF:445481.9/19

All: 53.660+/-0.010 χ^2/NDF: 839315.0/35



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -534.691+/-408.565 χ^2/NDF:0.0/0

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -534.691+/-408.565 χ^2/NDF: 0.0/0

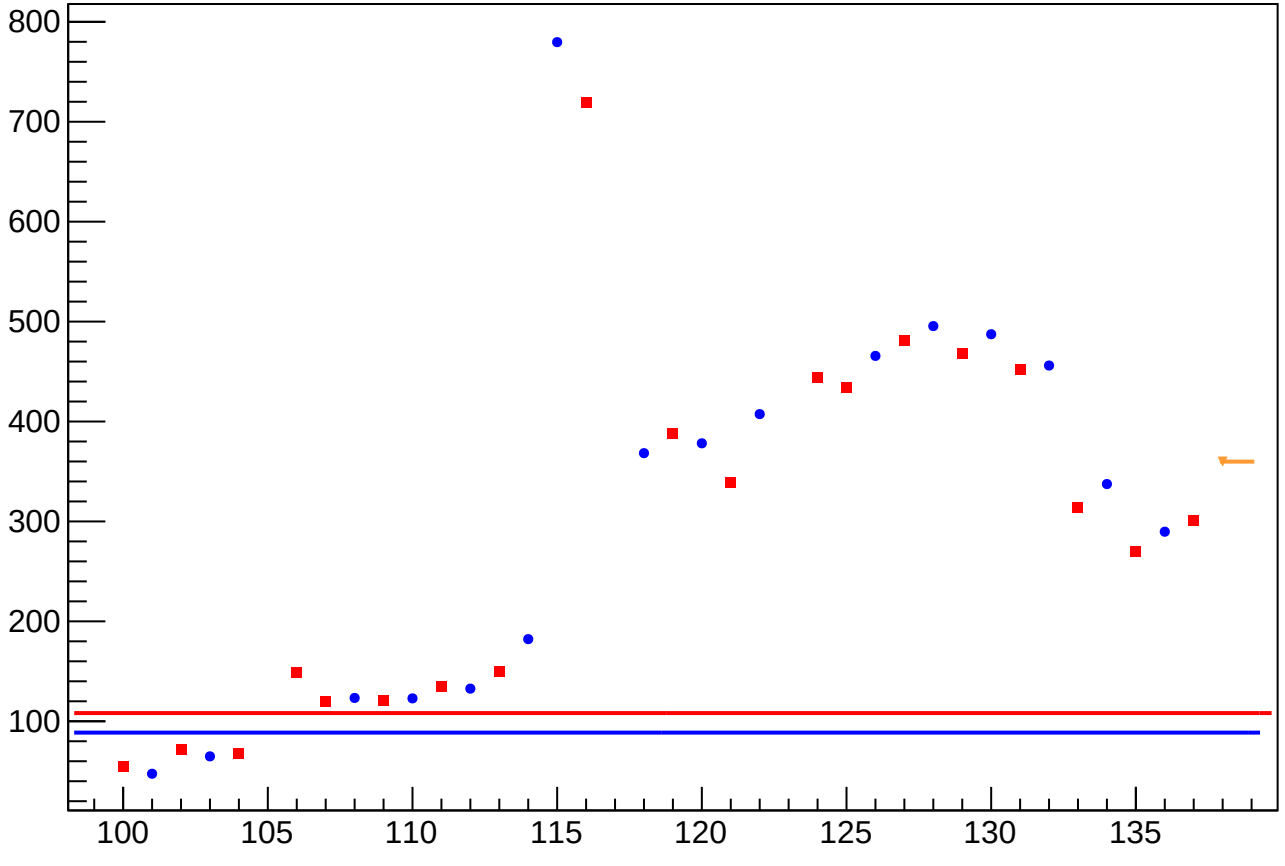
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 65.857+/-46.477 χ^2/NDF:15.7/15

Out: -34.965+/-49.873 χ^2/NDF:19.5/19

All: 18.995+/-34.002 χ^2/NDF: 37.4/35

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: 359.855+/-0.289 χ^2/NDF:0.0/0

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

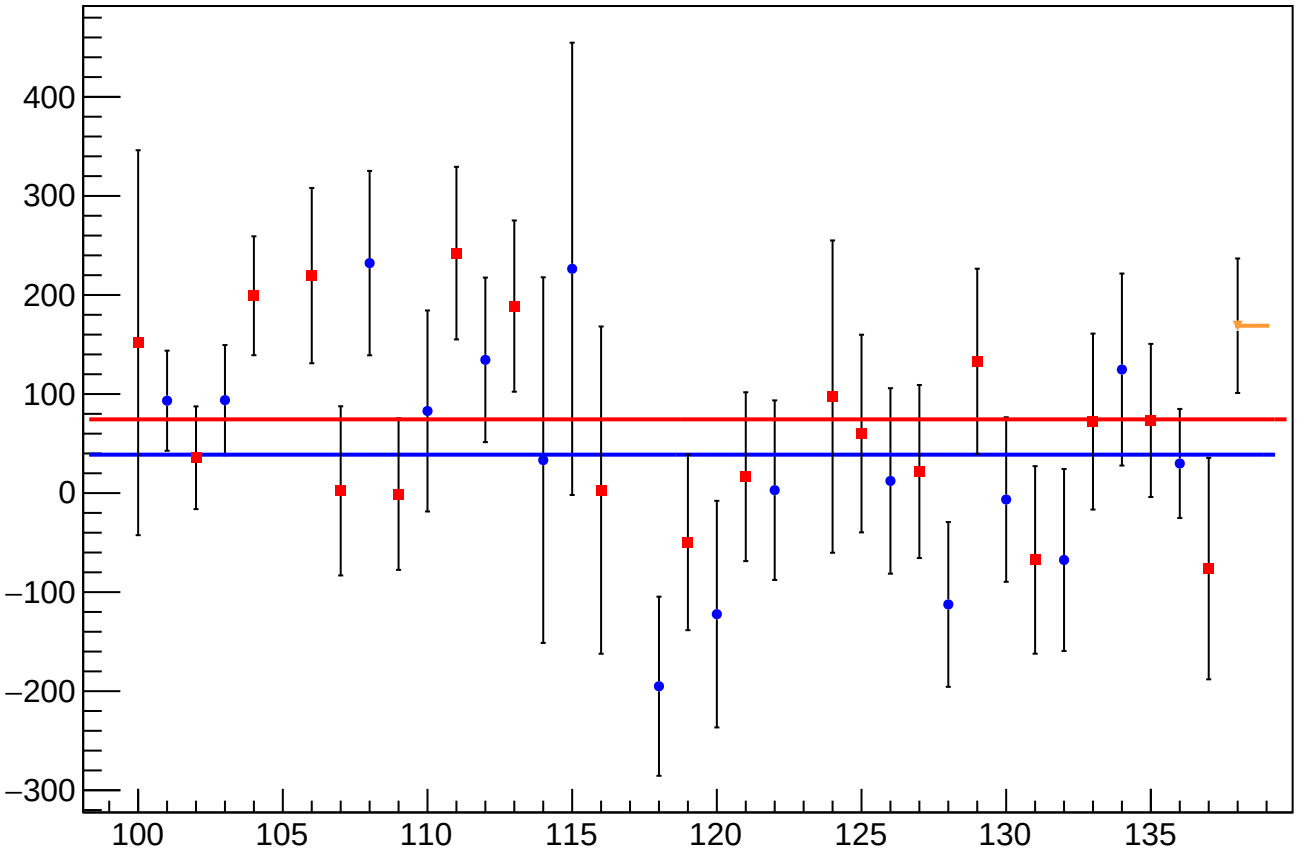
Left: 359.855+/-0.289 χ^2/NDF: 0.0/0

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 88.655+/-0.033 χ^2/NDF:6648135.5/15

Out: 111.956+/-0.035 χ^2/NDF:6102303.4/19

All: 99.486+/-0.024 χ^2/NDF: 12984090.2/35



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 168.958+/-67.907 χ^2/NDF:0.0/0

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

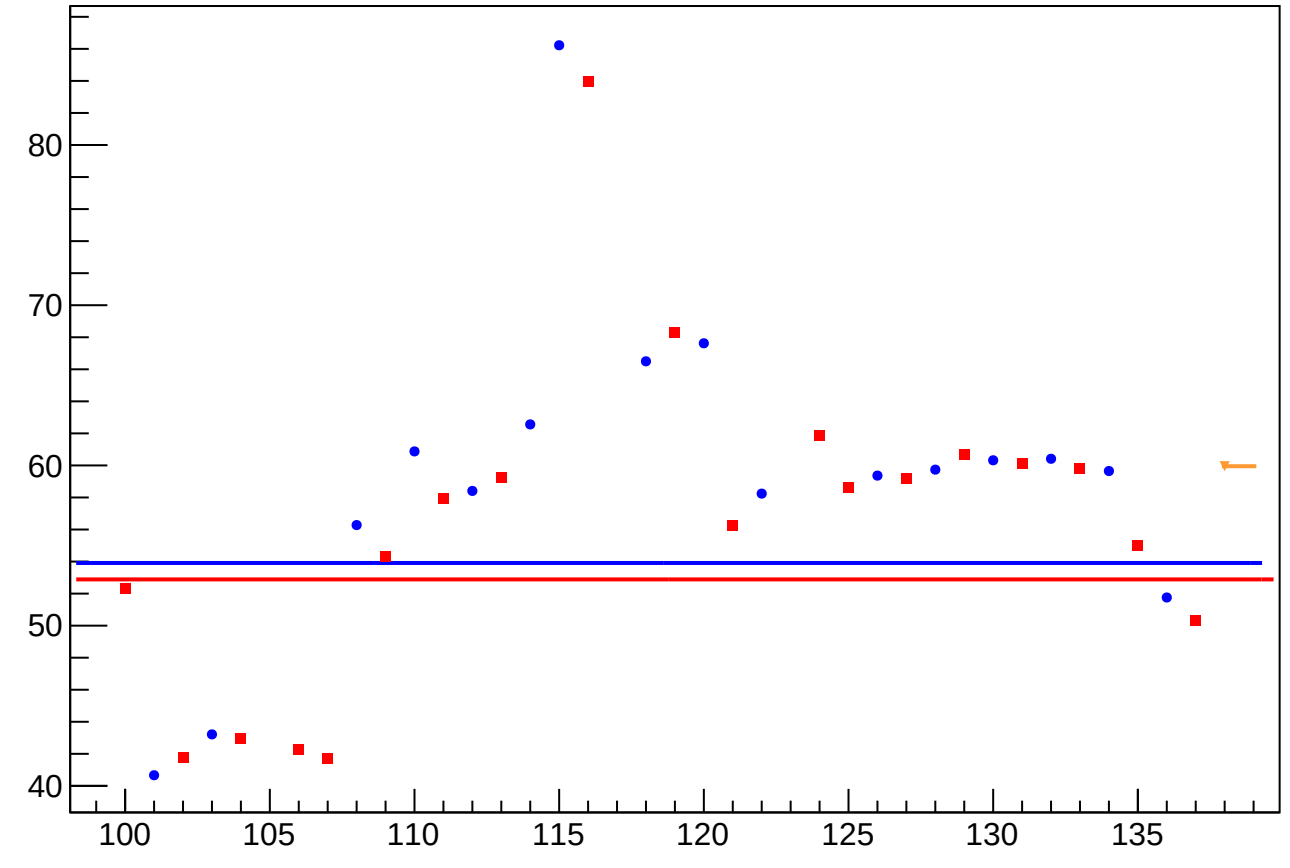
Left: 168.958+/-67.907 χ^2/NDF: 0.0/0

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 38.794+/-20.413 χ^2/NDF:23.3/15

Out: 81.850+/-19.011 χ^2/NDF:24.1/19

All: 61.851+/-13.912 χ^2/NDF: 49.8/35



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 59.951+/-0.048 χ^2/NDF:0.0/0

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

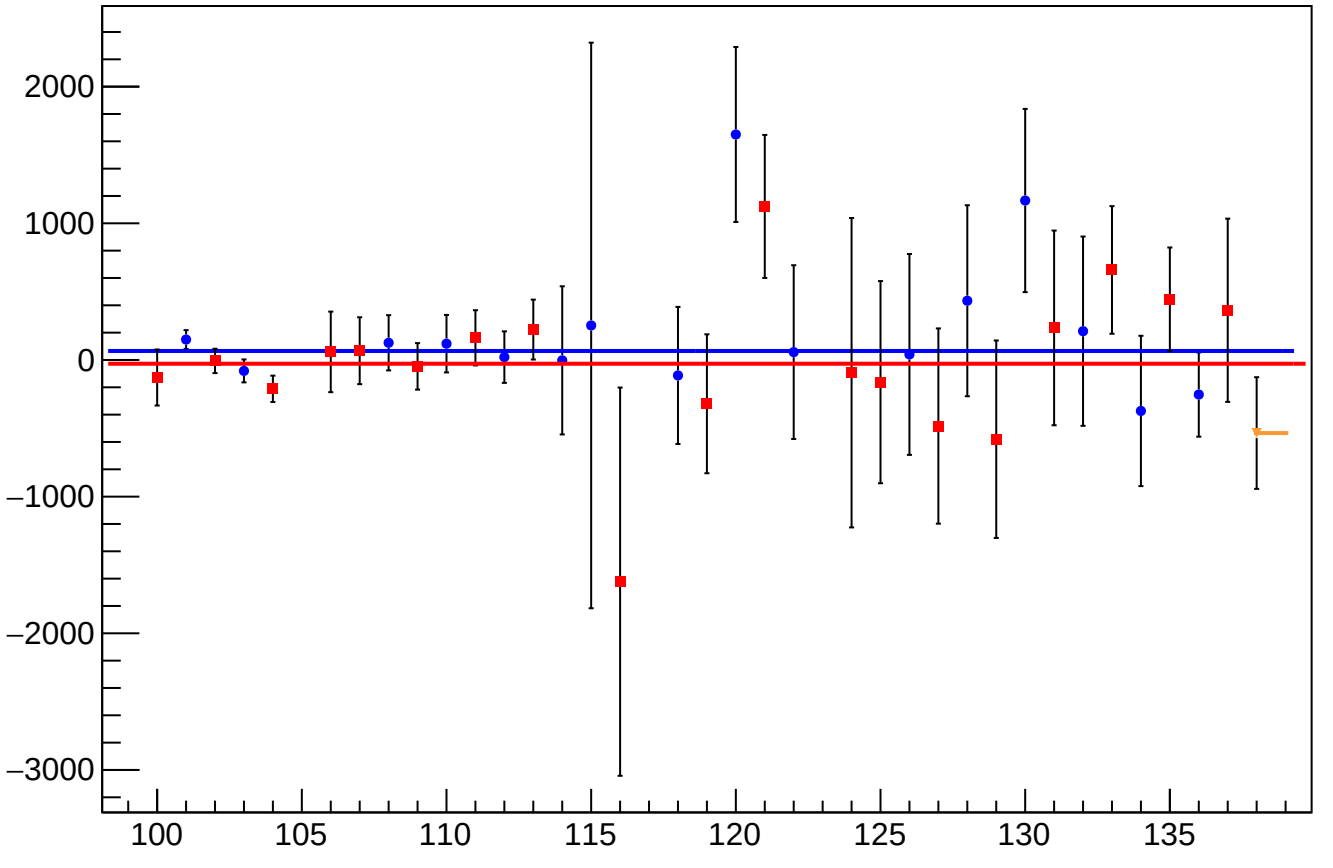
Left: 59.951+/-0.048 χ^2/NDF: 0.0/0

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 53.912+/-0.014 χ^2/NDF:393260.8/15

Out: 53.440+/-0.013 χ^2/NDF:445481.9/19

All: 53.660+/-0.010 χ^2/NDF: 839315.0/35



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -534.691+/-408.565 χ^2/NDF:0.0/0

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -534.691+/-408.565 χ^2/NDF: 0.0/0

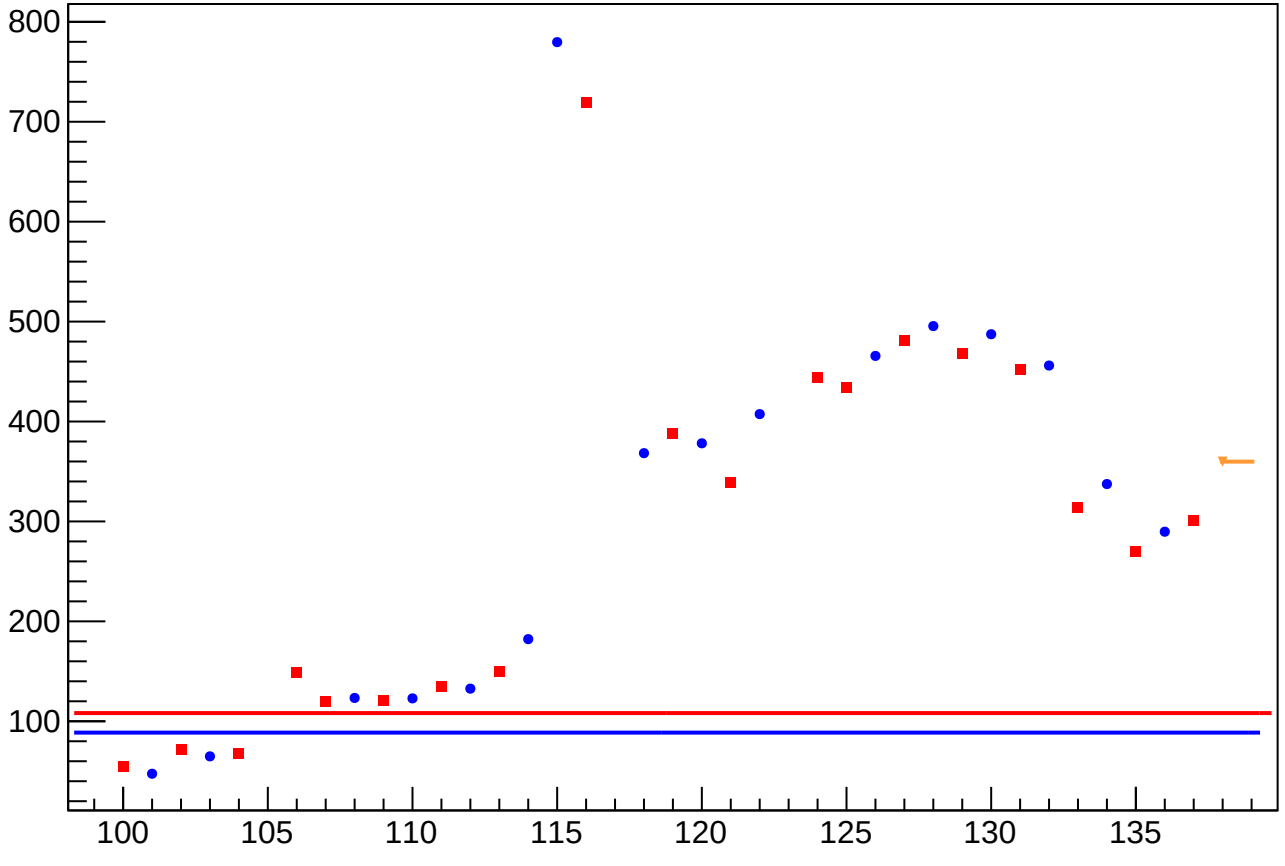
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 65.857+/-46.477 χ^2/NDF:15.7/15

Out: -34.965+/-49.873 χ^2/NDF:19.5/19

All: 18.995+/-34.002 χ^2/NDF: 37.4/35

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: 359.855+/-0.289 χ^2/NDF:0.0/0

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

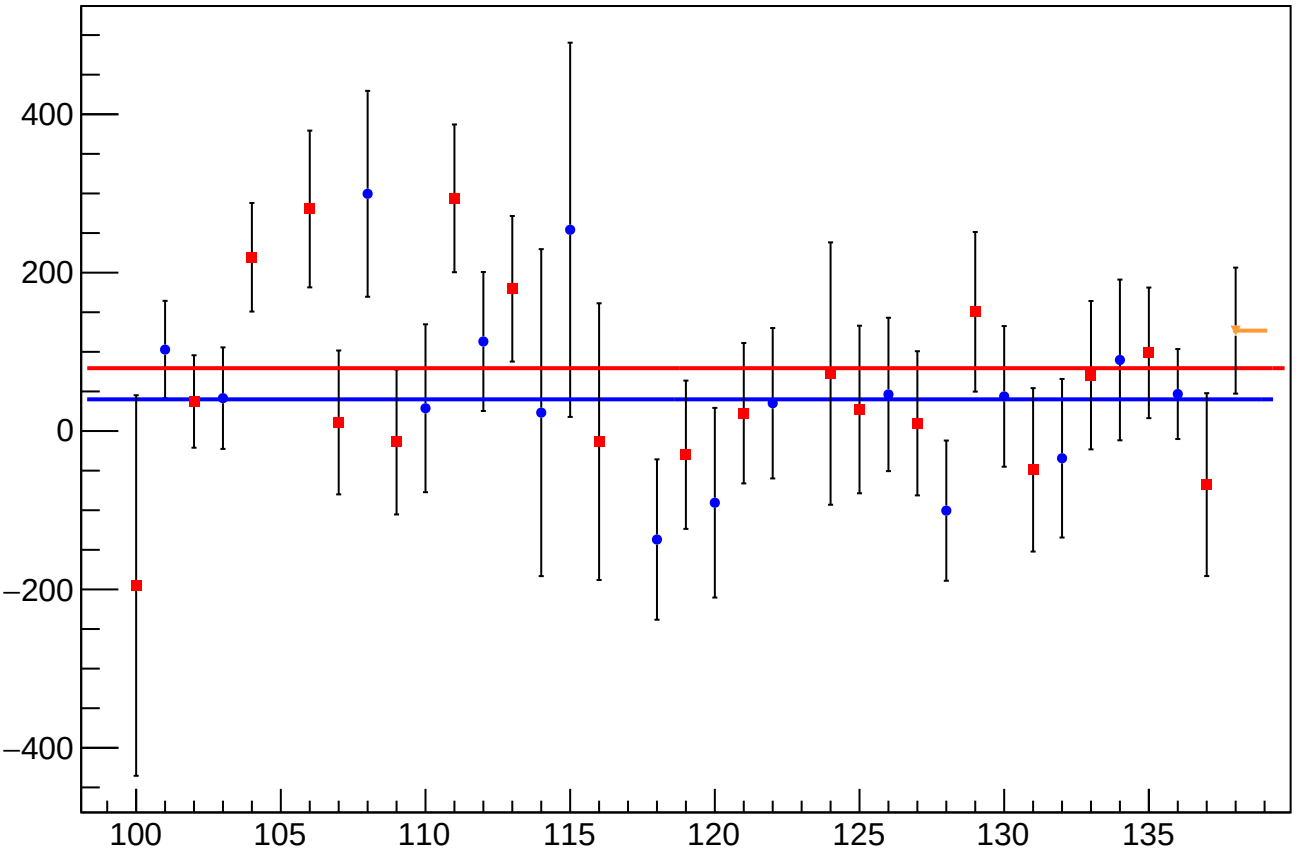
Left: 359.855+/-0.289 χ^2/NDF: 0.0/0

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 88.655+/-0.033 χ^2/NDF:6648135.5/15

Out: 111.956+/-0.035 χ^2/NDF:6102303.4/19

All: 99.486+/-0.024 χ^2/NDF: 12984090.2/35



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 126.793+/-79.572 χ^2/NDF:0.0/0

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

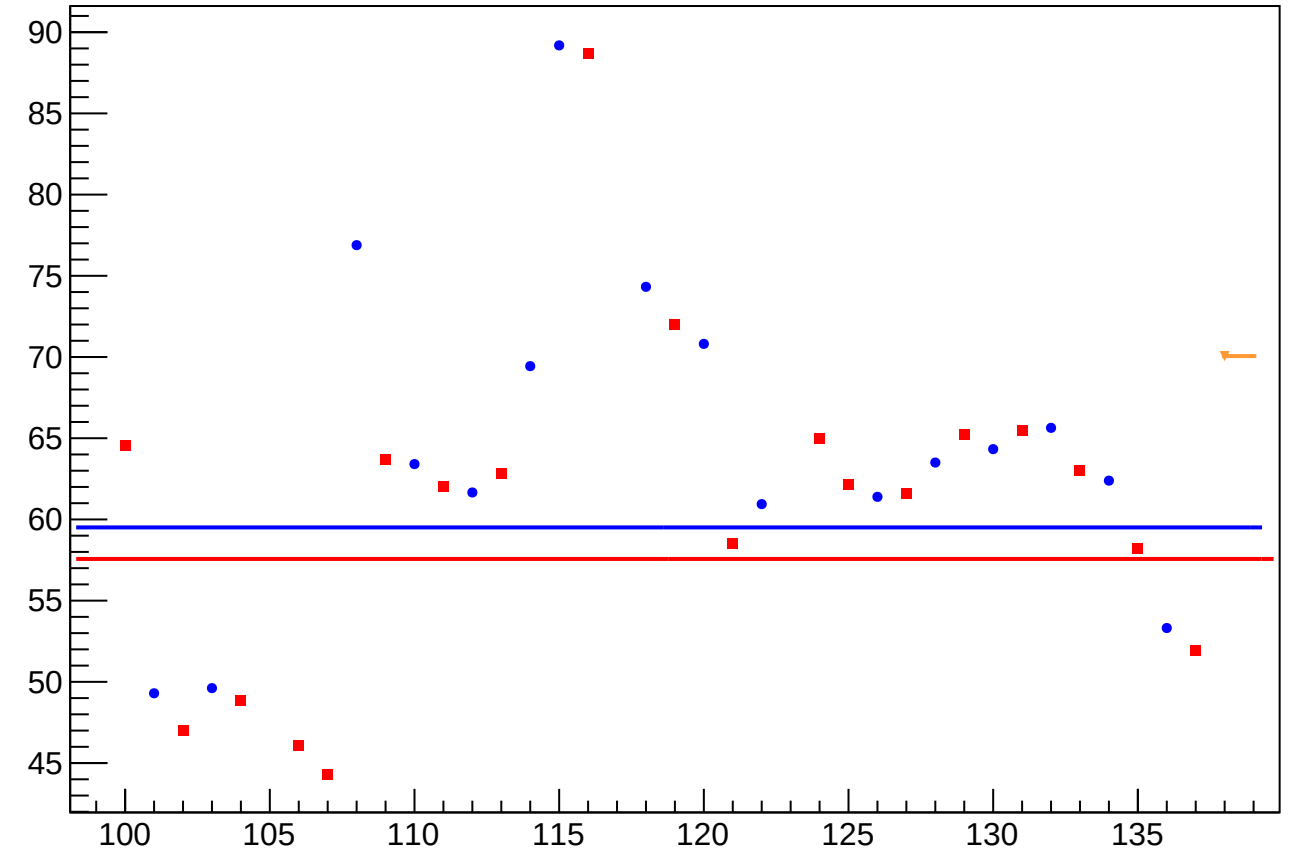
Left: 126.793+/-79.572 χ^2/NDF: 0.0/0

Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 40.030+/-22.515 χ^2/NDF:14.1/15

Out: 82.626+/-20.825 χ^2/NDF:25.1/19

All: 62.986+/-15.288 χ^2/NDF: 41.2/35



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 70.057+/-0.056 χ^2/NDF:0.0/0

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

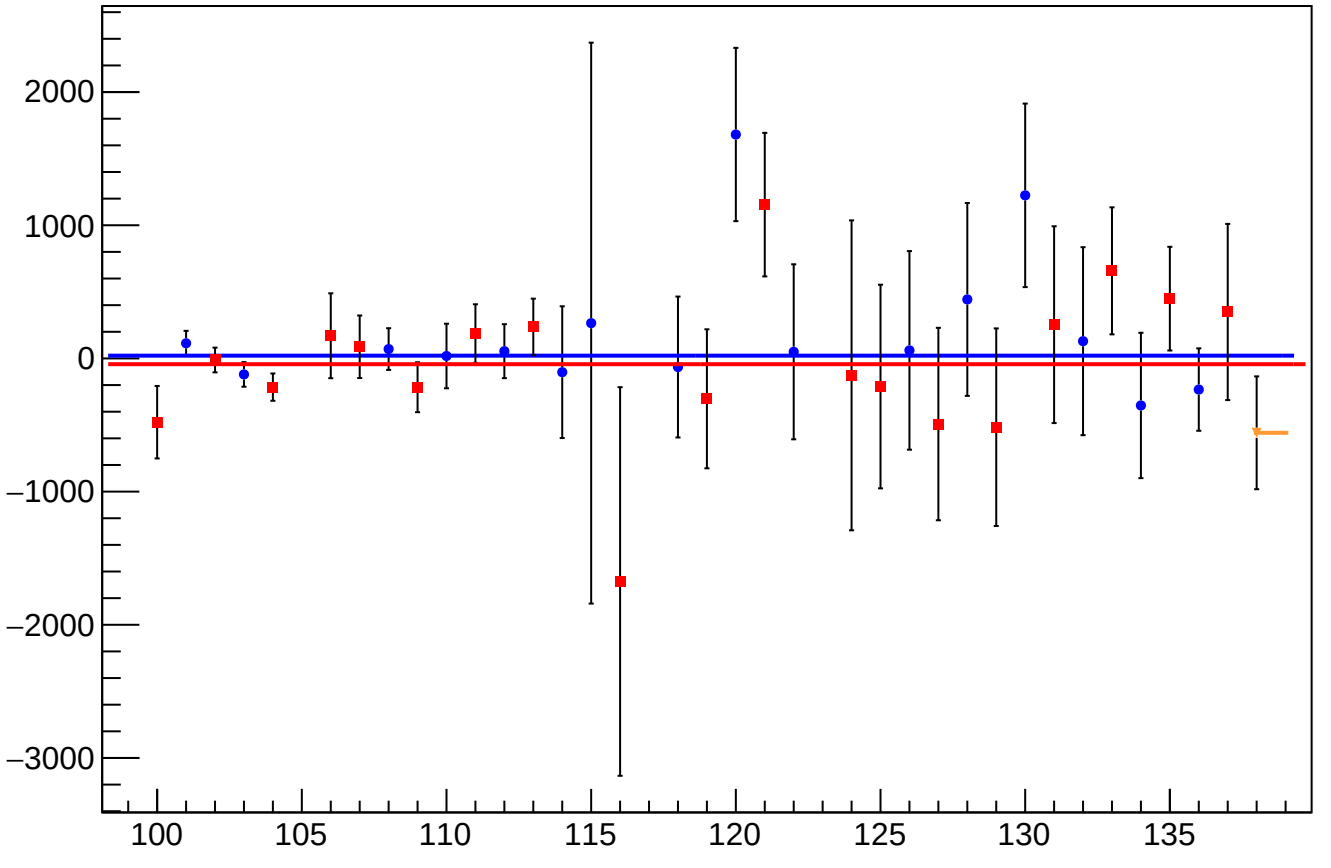
Left: 70.057+/-0.056 χ^2/NDF: 0.0/0

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 59.509+/-0.016 χ^2/NDF:283192.7/15

Out: 58.422+/-0.015 χ^2/NDF:393279.5/19

All: 58.923+/-0.011 χ^2/NDF: 678981.9/35



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -558.434+/-423.685 χ^2/NDF:0.0/0

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

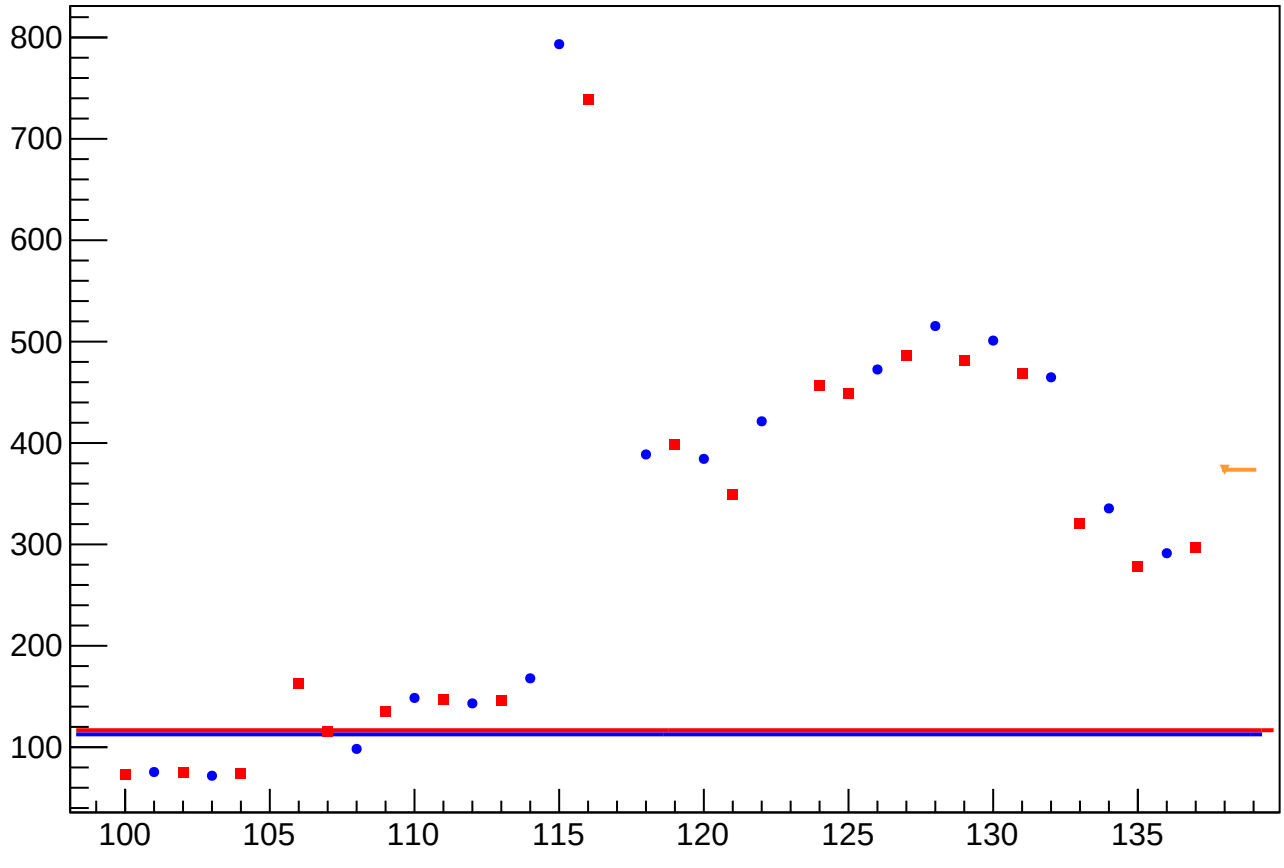
Left: -558.434+/-423.685 χ^2/NDF: 0.0/0

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 20.840+/-53.585 χ^2/NDF:14.6/15

Out: -51.261+/-52.796 χ^2/NDF:23.0/19

All: -15.746+/-37.608 χ^2/NDF: 38.5/35



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 373.654+/-0.300 χ^2/NDF:0.0/0

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

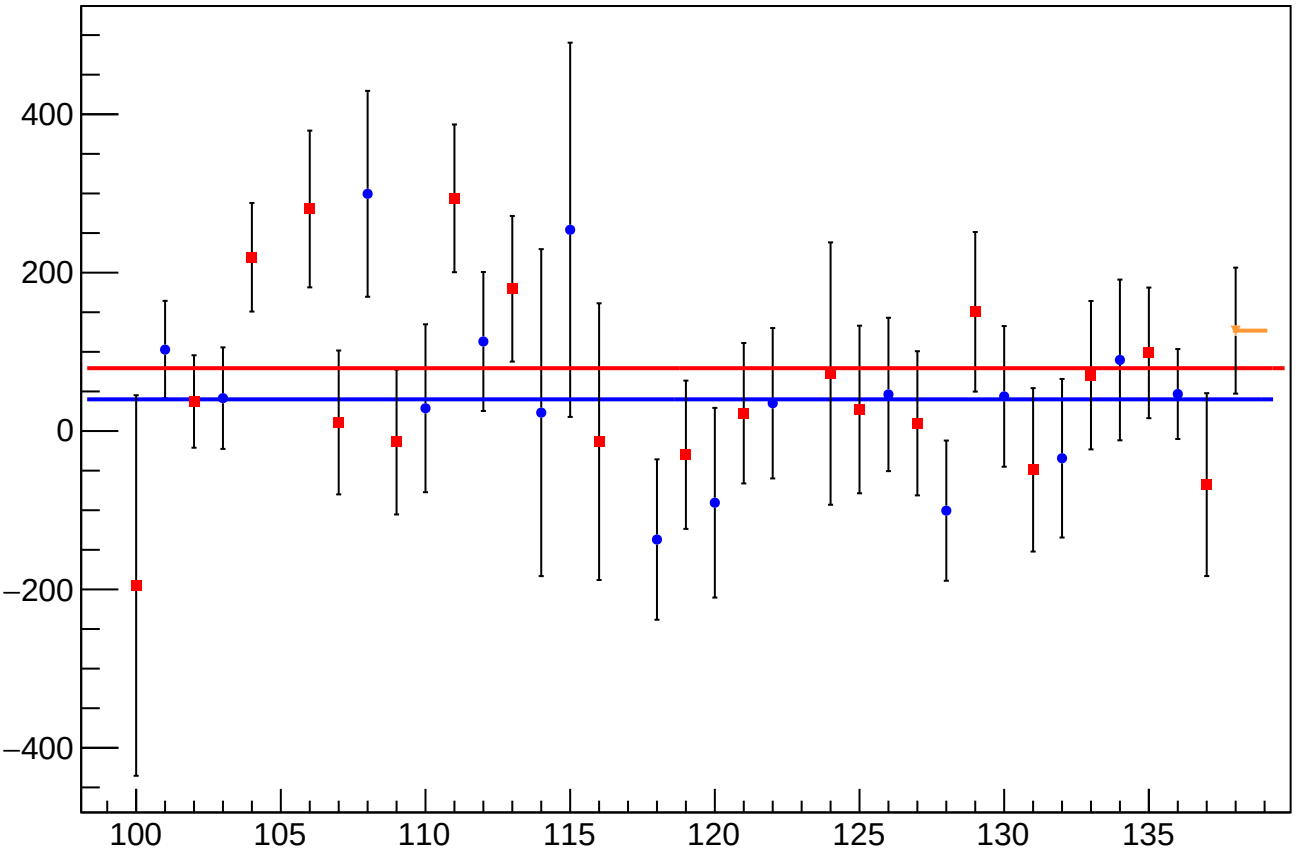
Left: 373.654+/-0.300 χ^2/NDF: 0.0/0

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 112.668+/-0.038 χ^2/NDF:5599655.1/15

Out: 120.722+/-0.037 χ^2/NDF:5865404.2/19

All: 116.755+/-0.027 χ^2/NDF: 11487985.4/35



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 126.788+/-79.573 χ^2/NDF:0.0/0

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

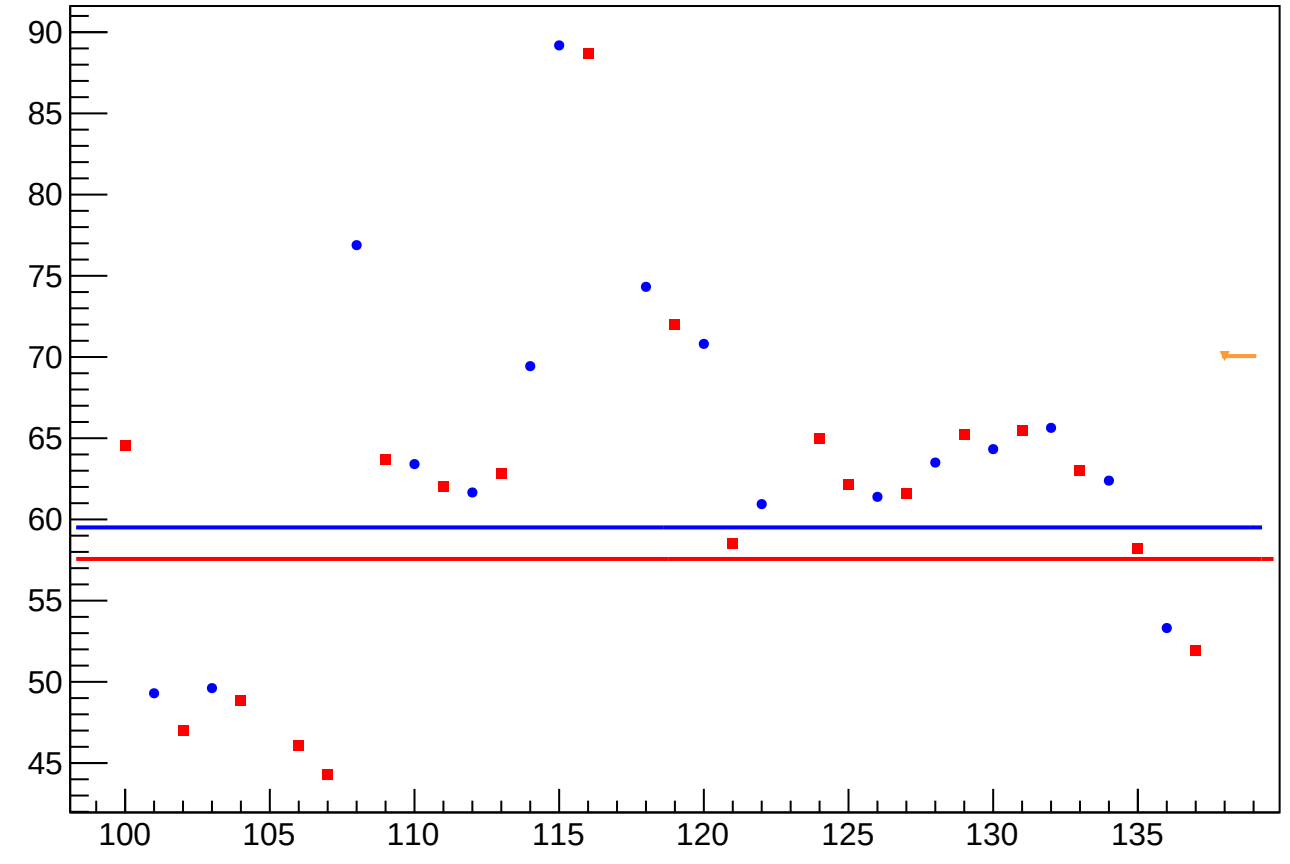
Left: 126.788+/-79.573 χ^2/NDF: 0.0/0

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 40.030+/-22.515 χ^2/NDF:14.1/15

Out: 82.625+/-20.825 χ^2/NDF:25.1/19

All: 62.986+/-15.288 χ^2/NDF: 41.2/35



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 70.057+/-0.056 χ^2/NDF:0.0/0

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

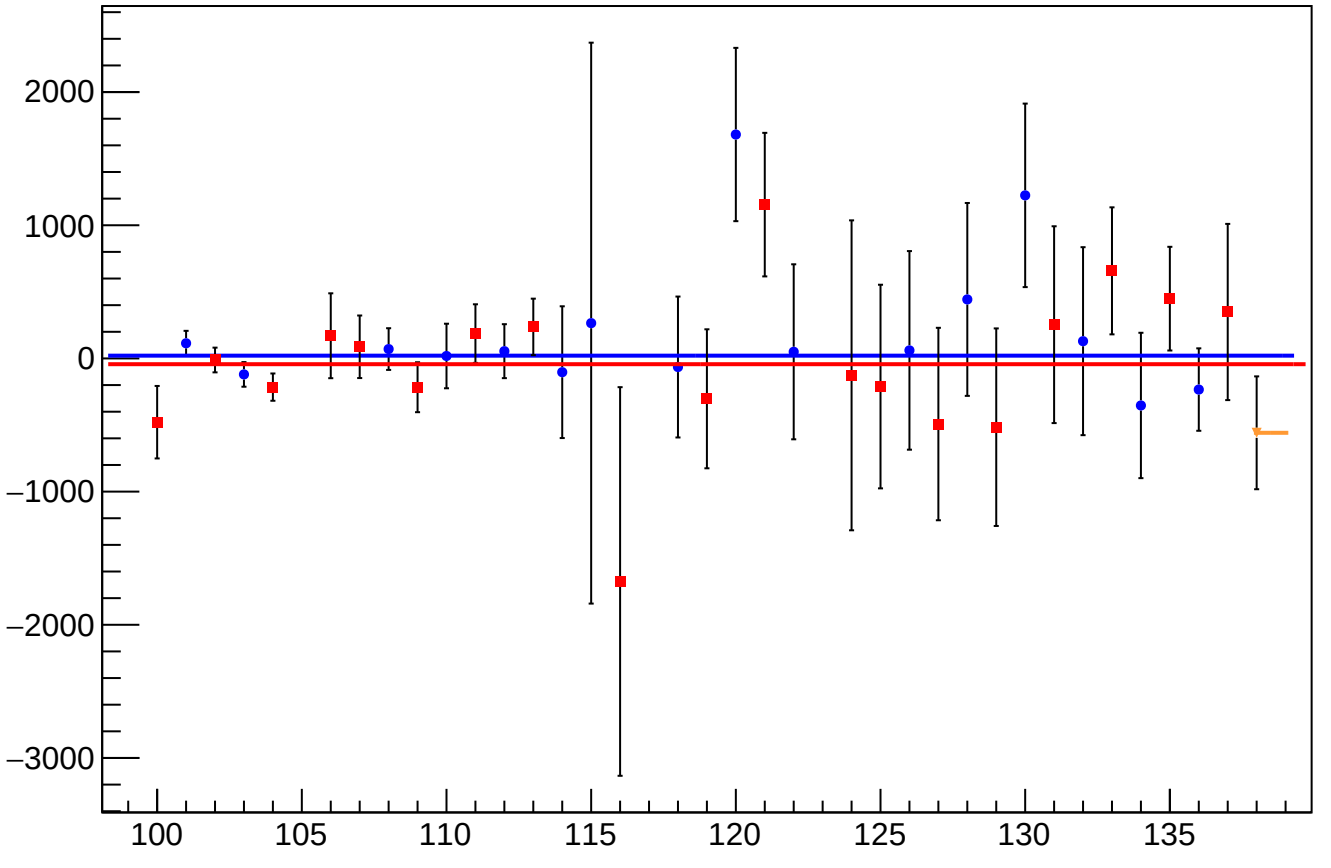
Left: 70.057+/-0.056 χ^2/NDF: 0.0/0

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 59.509+/-0.016 χ^2/NDF:283190.4/15

Out: 58.422+/-0.015 χ^2/NDF:393279.6/19

All: 58.923+/-0.011 χ^2/NDF: 678979.6/35



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -558.439+/-423.687 χ^2/NDF:0.0/0

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

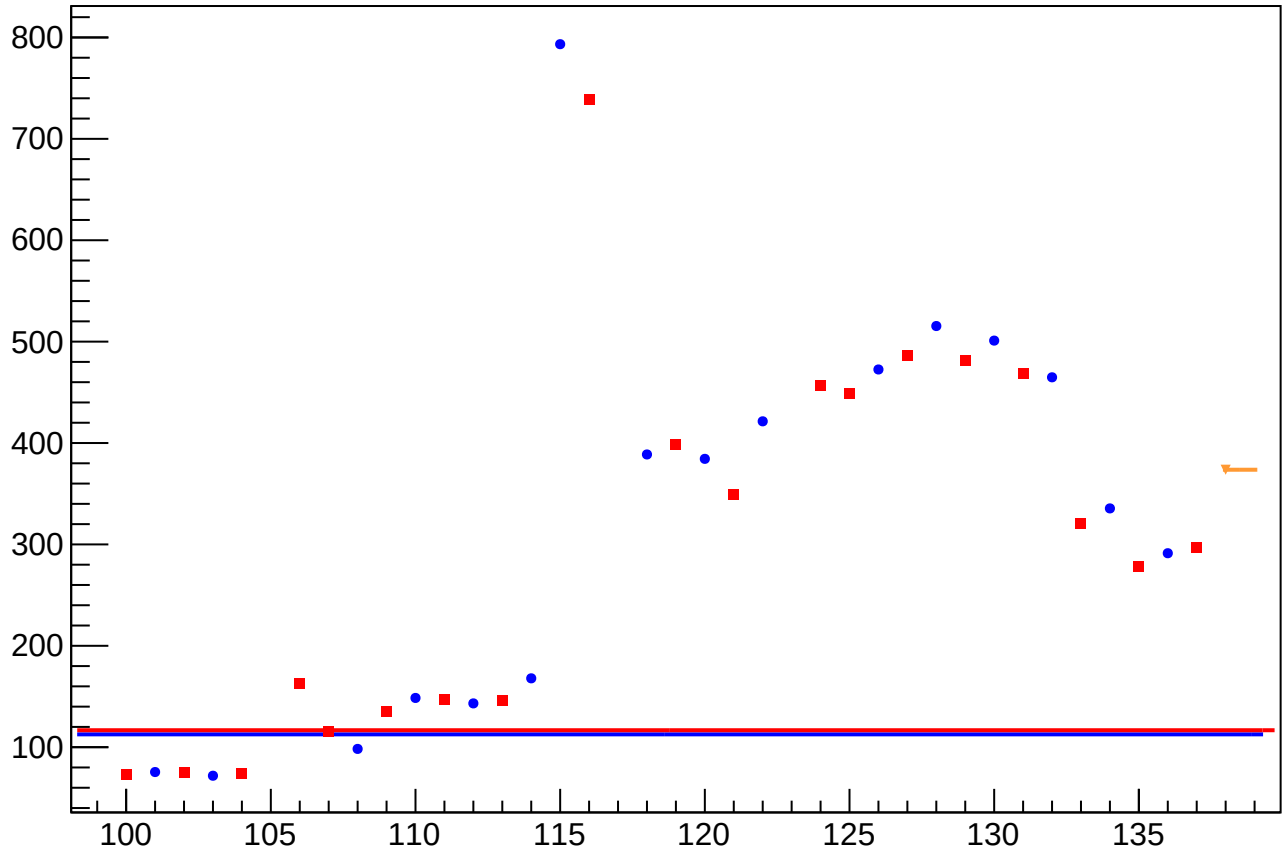
Left: -558.439+/-423.687 χ^2/NDF: 0.0/0

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 20.840+/-53.585 χ^2/NDF:14.6/15

Out: -51.261+/-52.795 χ^2/NDF:23.0/19

All: -15.746+/-37.608 χ^2/NDF: 38.5/35



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 373.656+/-0.300 χ^2/NDF:0.0/0

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

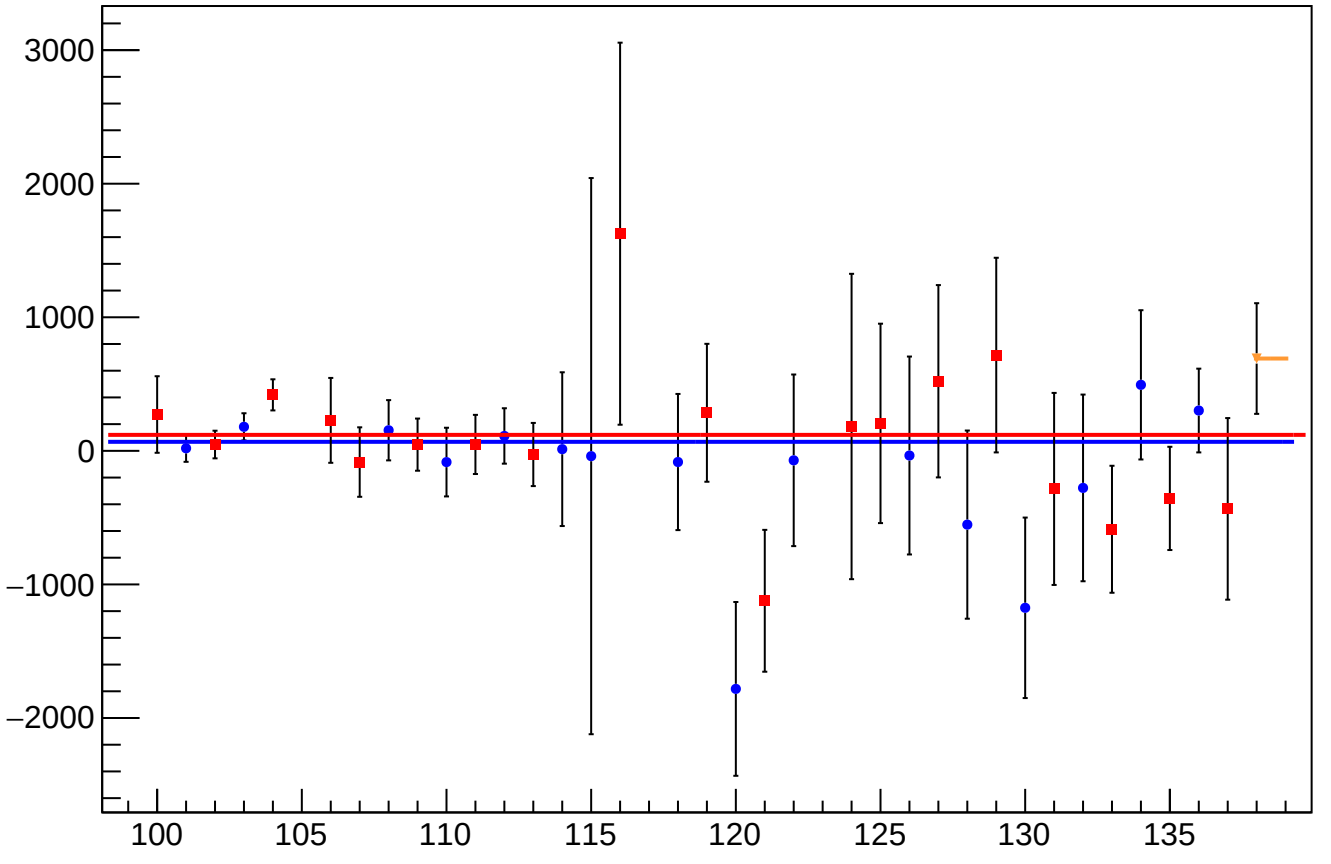
Left: 373.656+/-0.300 χ^2/NDF: 0.0/0

Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 112.668+/-0.038 χ^2/NDF:5599653.6/15

Out: 120.722+/-0.037 χ^2/NDF:5865412.8/19

All: 116.755+/-0.027 χ^2/NDF: 11487991.9/35



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 691.158+/-414.261 χ^2/NDF:0.0/0

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 691.158+/-414.261 χ^2/NDF: 0.0/0

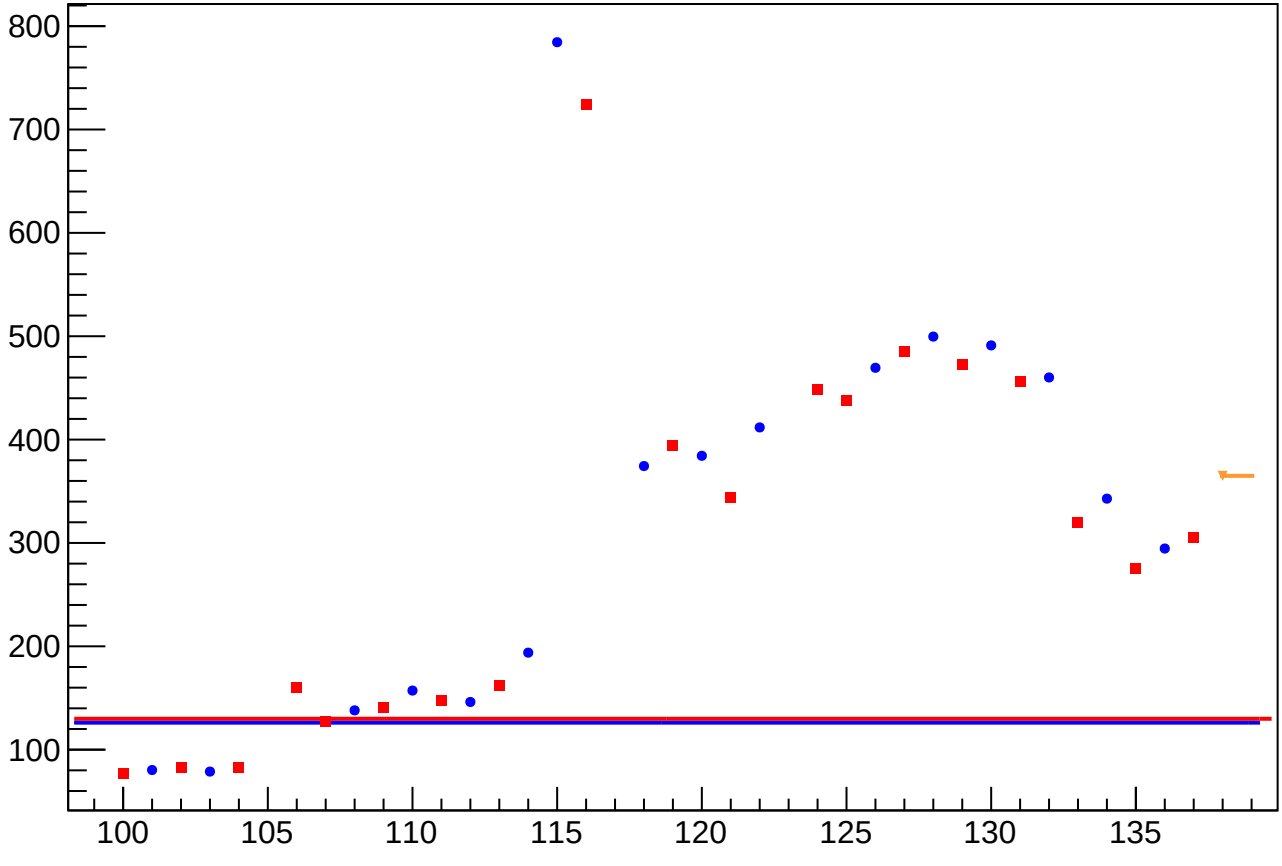
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 67.621+/-59.169 χ^2/NDF:15.8/15

Out: 130.601+/-57.383 χ^2/NDF:23.0/19

All: 100.076+/-41.193 χ^2/NDF: 39.4/35

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 364.915+/-0.293 χ^2/NDF:0.0/0

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

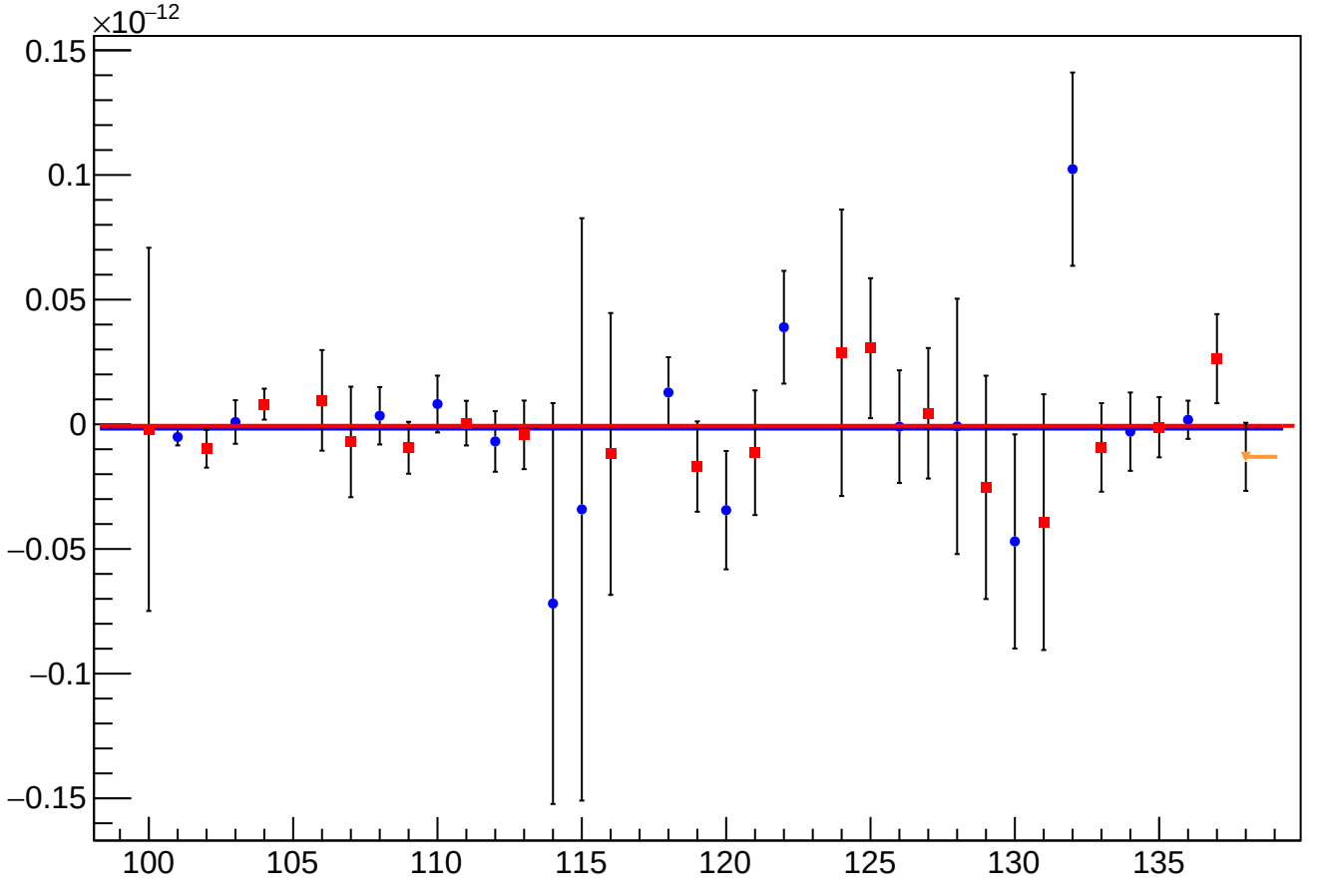
Left: 364.915+/-0.293 χ^2/NDF: 0.0/0

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 126.154+/-0.042 χ^2/NDF:5220128.2/15

Out: 134.423+/-0.041 χ^2/NDF:5278934.7/19

All: 130.415+/-0.029 χ^2/NDF: 10519194.9/35



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

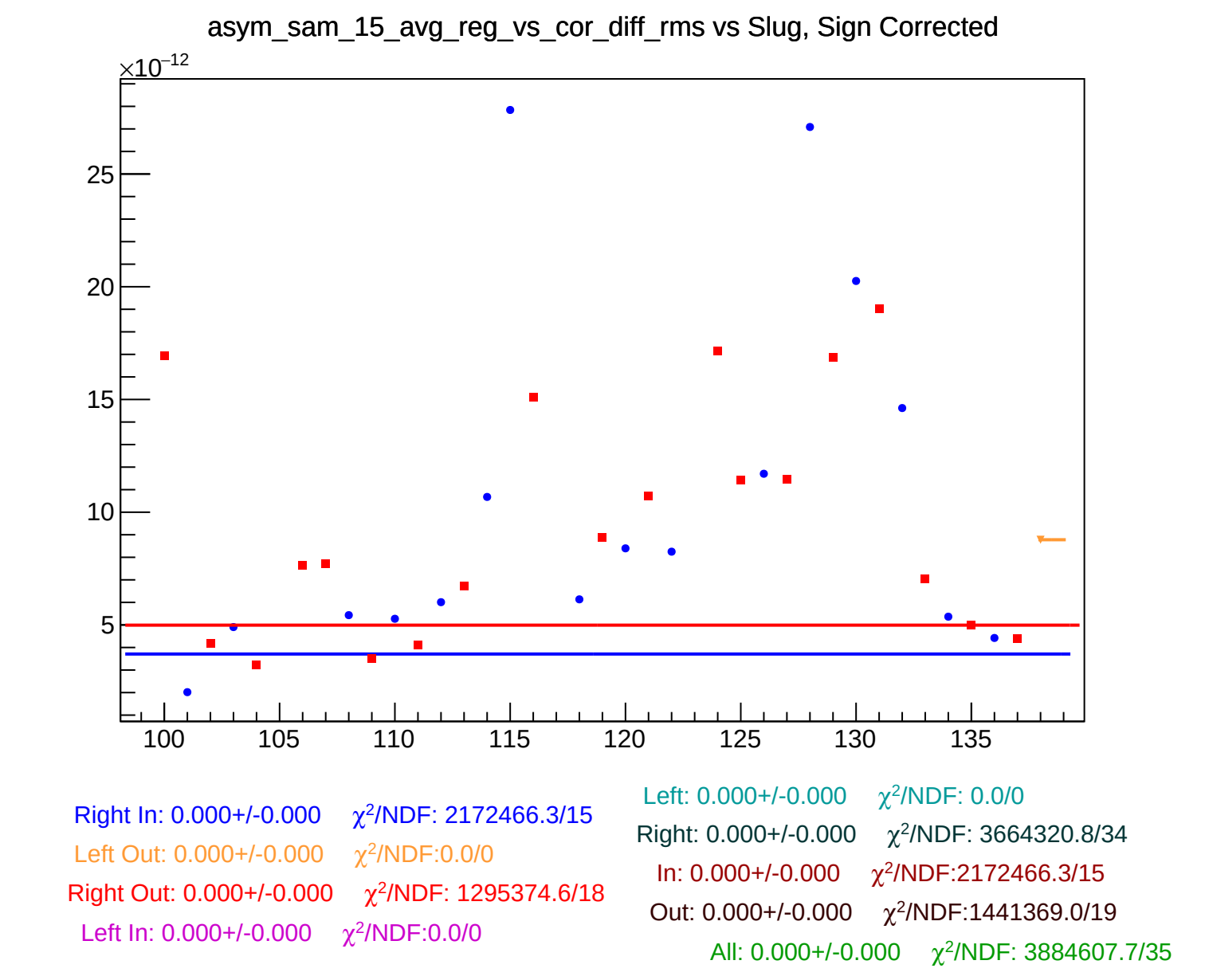
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

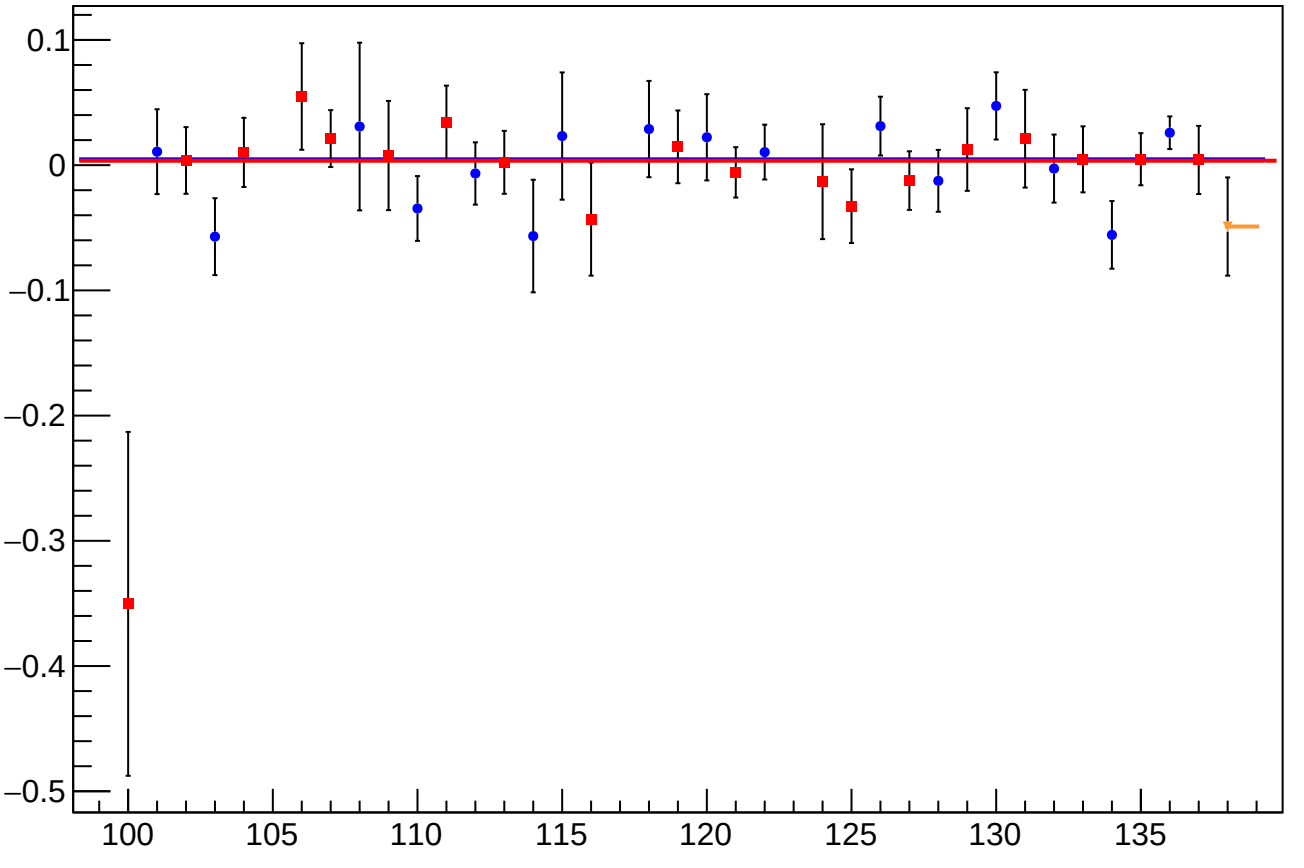
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:17.8/15

Out: -0.000+/-0.000 χ^2/NDF:11.3/19

All: -0.000+/-0.000 χ^2/NDF: 29.1/35


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:2172466.3/15
Out: 0.000+/-0.000 χ²/NDF:1441369.0/19
All: 0.000+/-0.000 χ²/NDF: 3884607.7/35



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.049+/-0.039 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

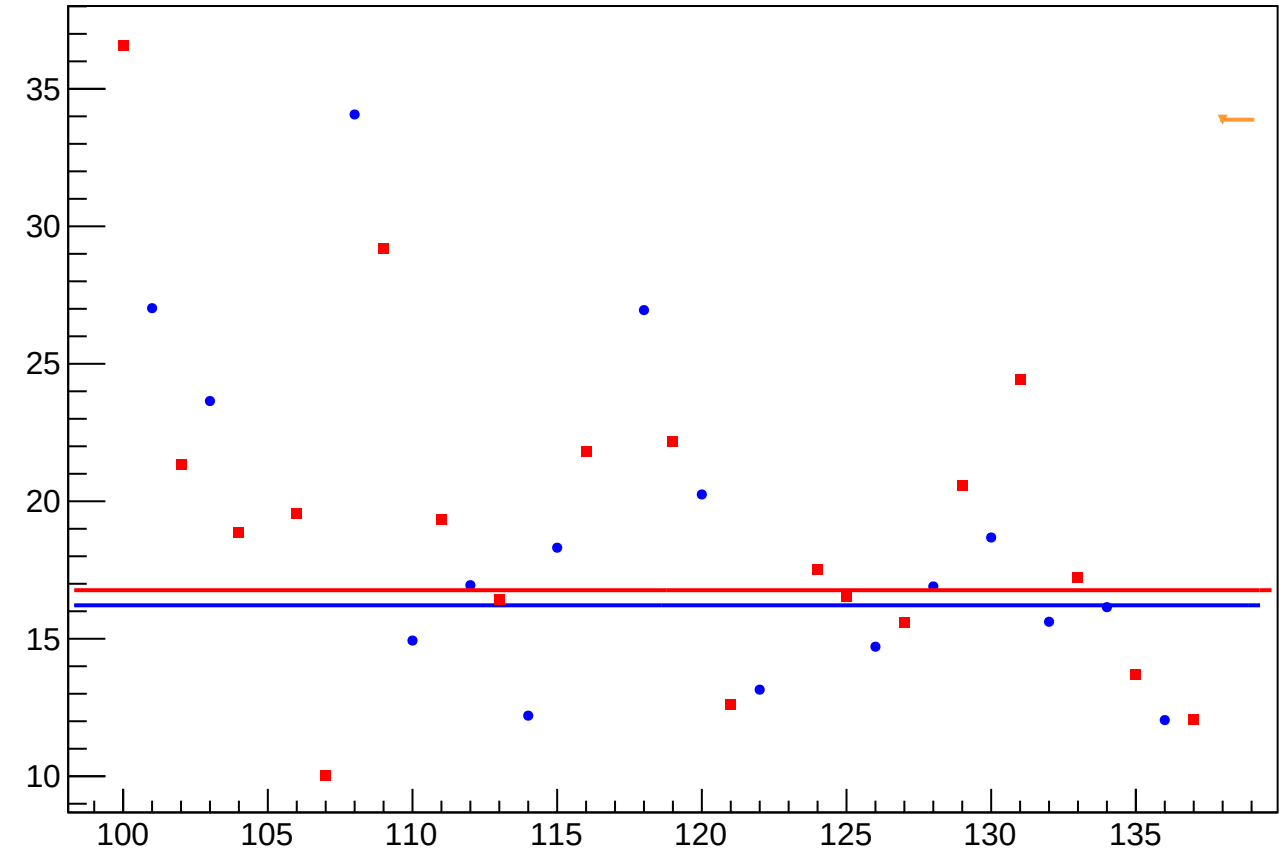
Left: -0.049+/-0.039 χ^2/NDF: 0.0/0

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.007 χ^2/NDF:21.5/15

Out: 0.002+/-0.007 χ^2/NDF:15.4/19

All: 0.003+/-0.005 χ^2/NDF: 36.9/35



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 33.879+/-0.028 χ^2/NDF:0.0/0

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

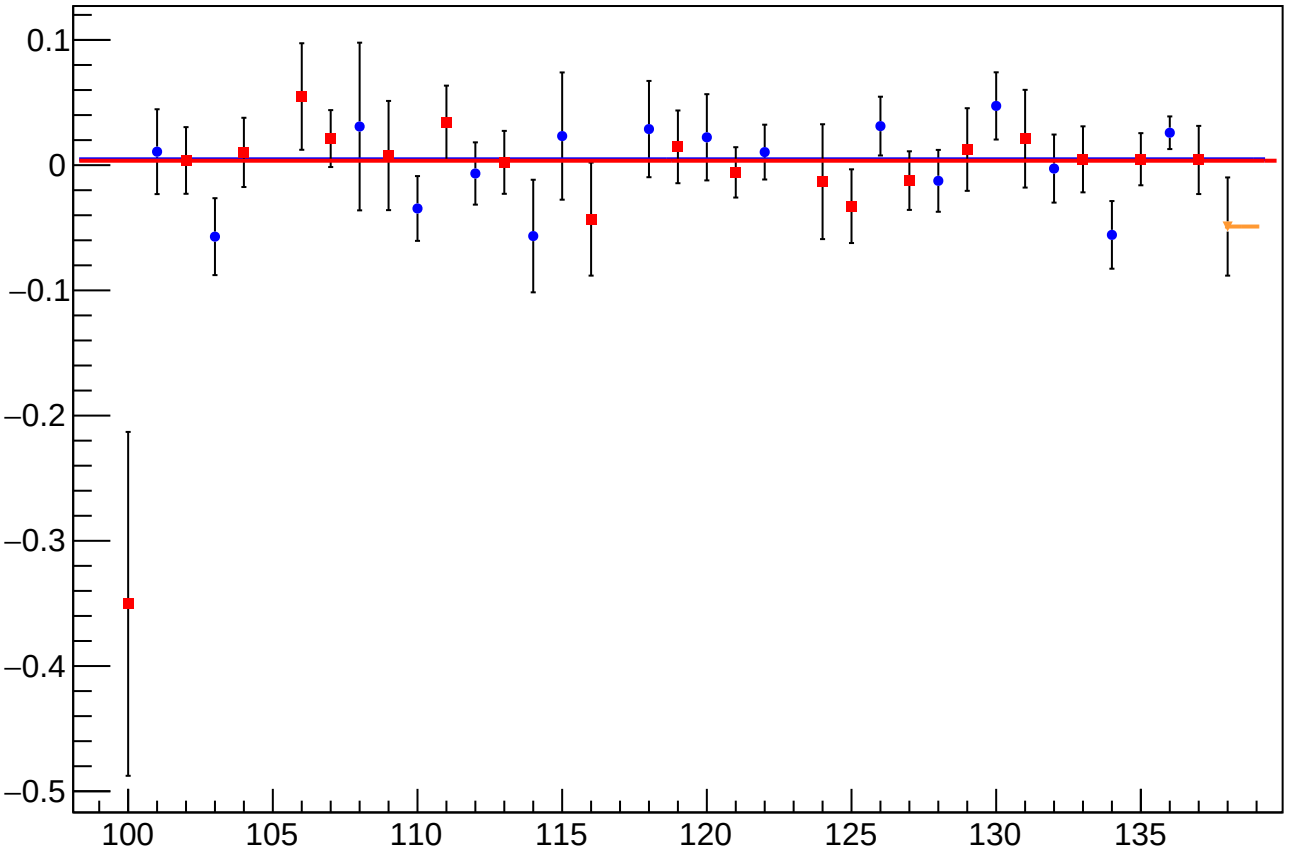
Left: 33.879+/-0.028 χ^2/NDF: 0.0/0

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 16.217+/-0.005 χ^2/NDF:943864.9/15

Out: 17.241+/-0.005 χ^2/NDF:1237022.7/19

All: 16.731+/-0.003 χ^2/NDF: 2205366.5/35



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.049+/-0.039 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

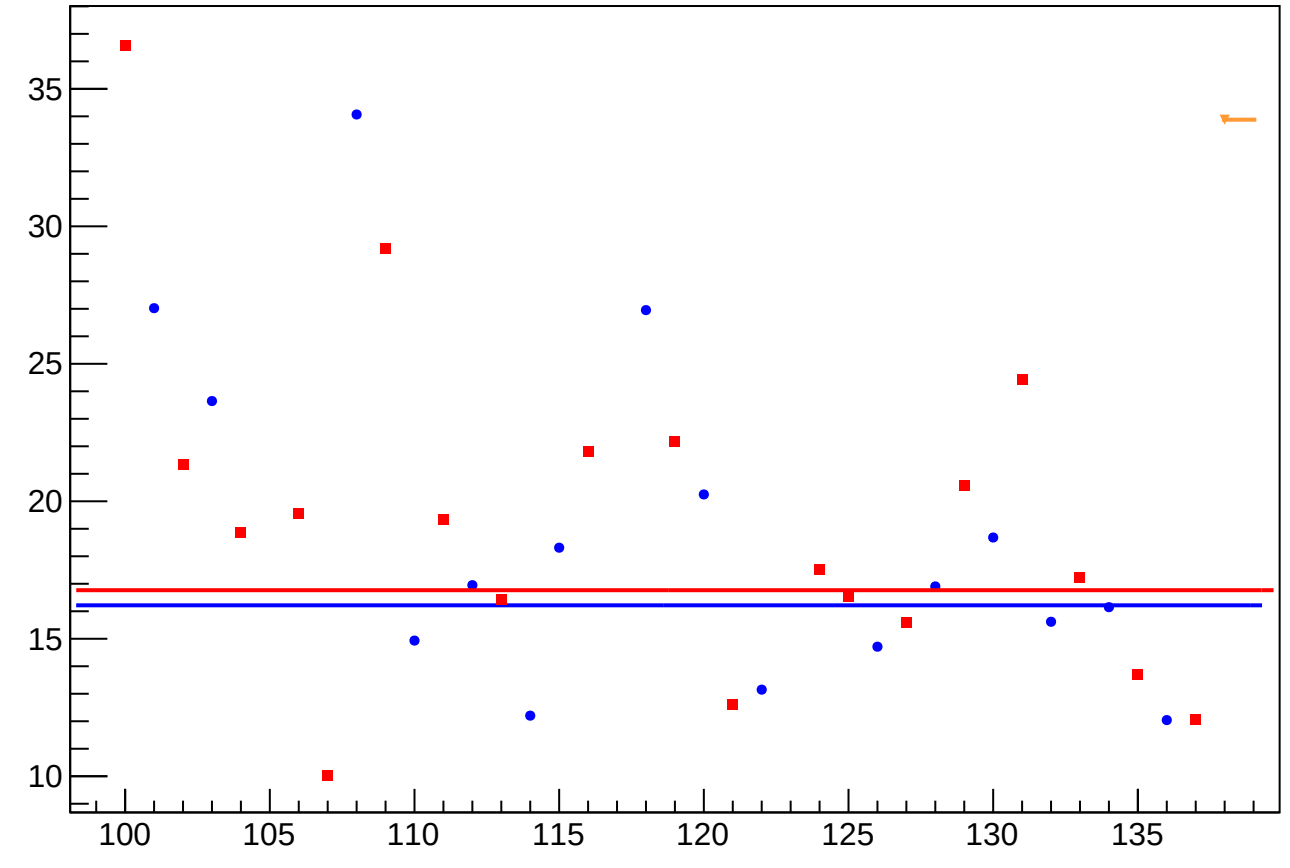
Left: -0.049+/-0.039 χ^2/NDF: 0.0/0

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.007 χ^2/NDF:21.5/15

Out: 0.002+/-0.007 χ^2/NDF:15.4/19

All: 0.003+/-0.005 χ^2/NDF: 36.9/35



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 33.879+/-0.028 χ^2/NDF:0.0/0

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

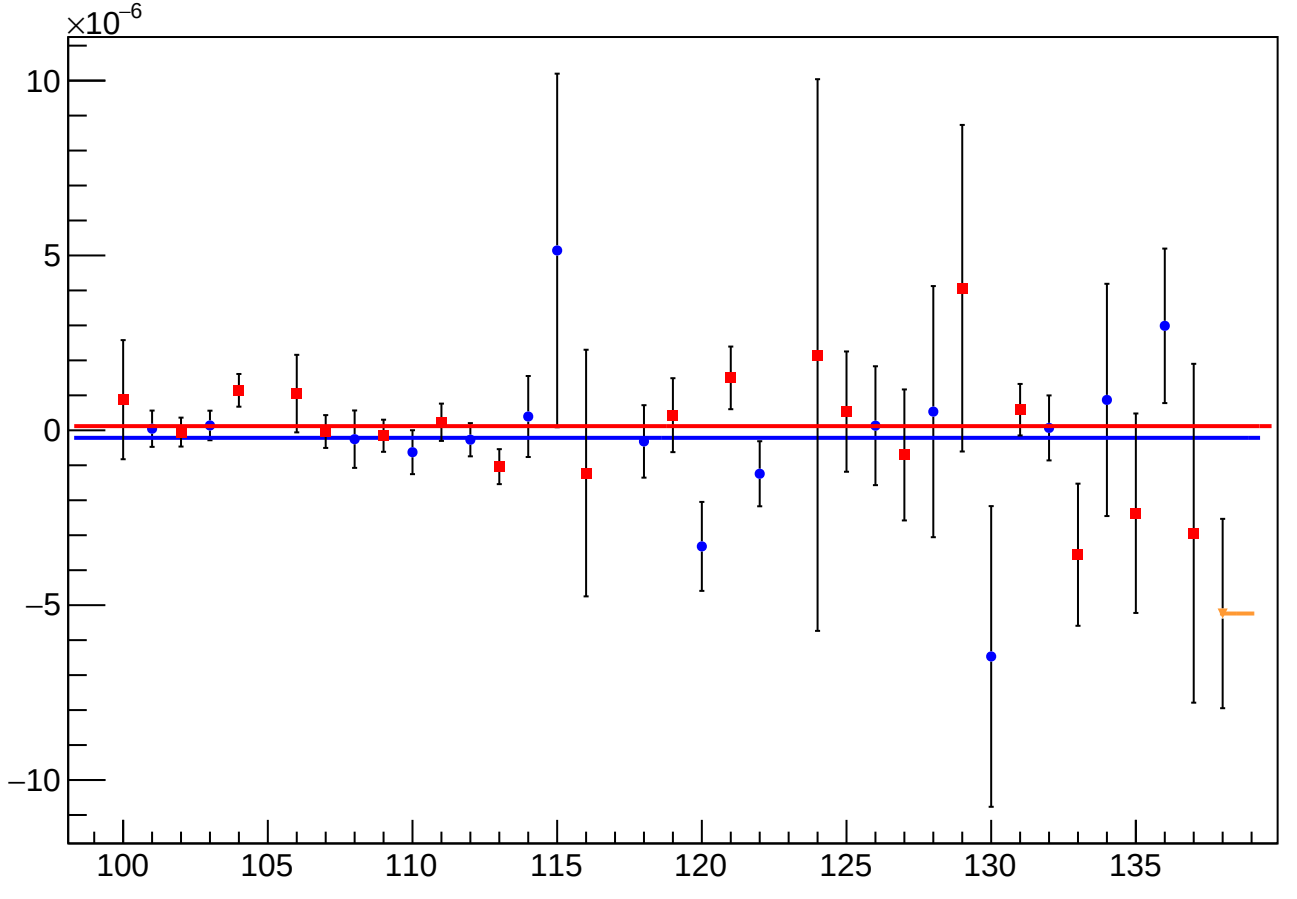
Left: 33.879+/-0.028 χ^2/NDF: 0.0/0

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 16.217+/-0.005 χ^2/NDF:943864.9/15

Out: 17.241+/-0.005 χ^2/NDF:1237022.7/19

All: 16.731+/-0.003 χ^2/NDF: 2205366.5/35



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

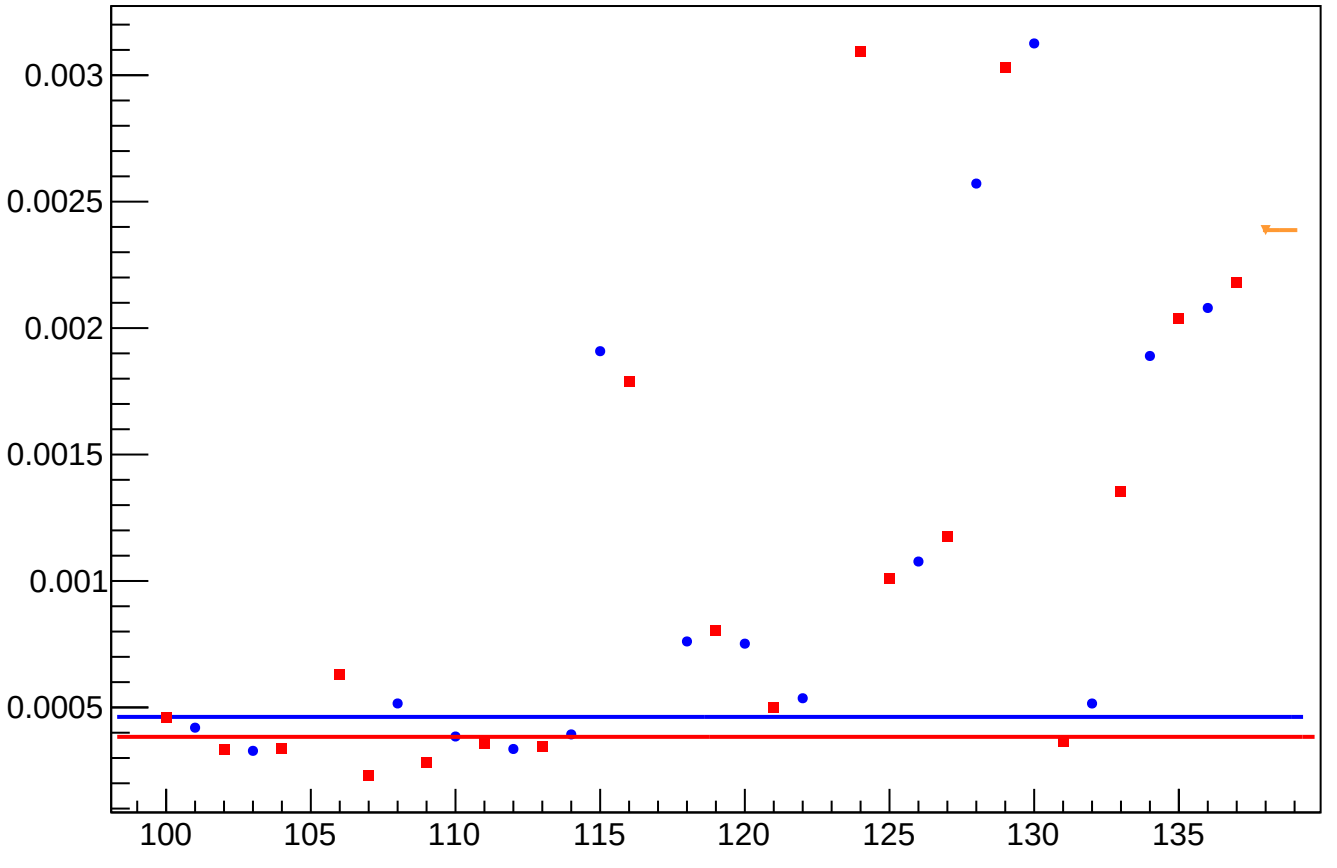
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:14.5/15

Out: 0.000+/-0.000 χ^2/NDF:24.1/19

All: -0.000+/-0.000 χ^2/NDF: 40.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

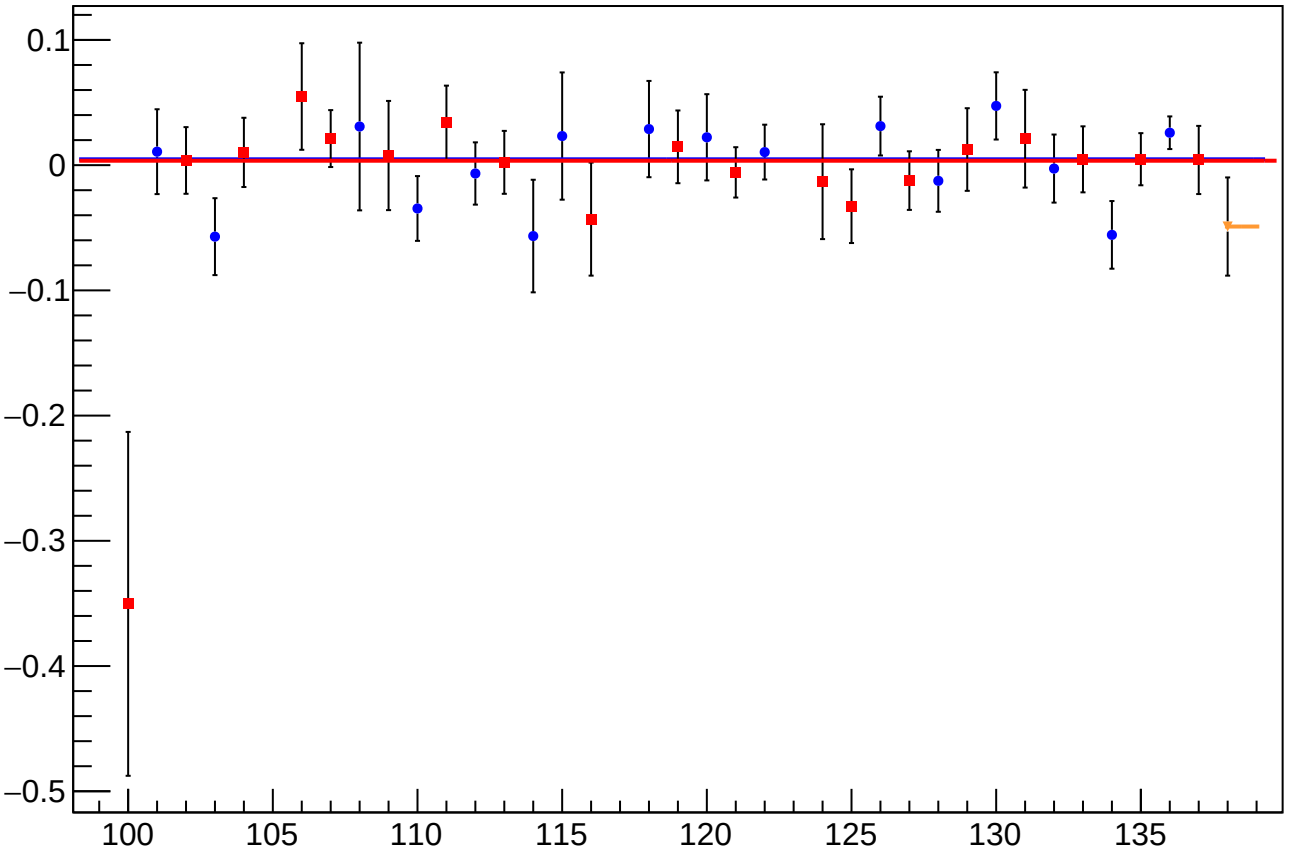
Left: 0.002+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.000+/-0.000 χ^2/NDF:4015939.2/15

Out: 0.000+/-0.000 χ^2/NDF:5149335.6/19

All: 0.000+/-0.000 χ^2/NDF: 9302813.1/35



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.049+/-0.039 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

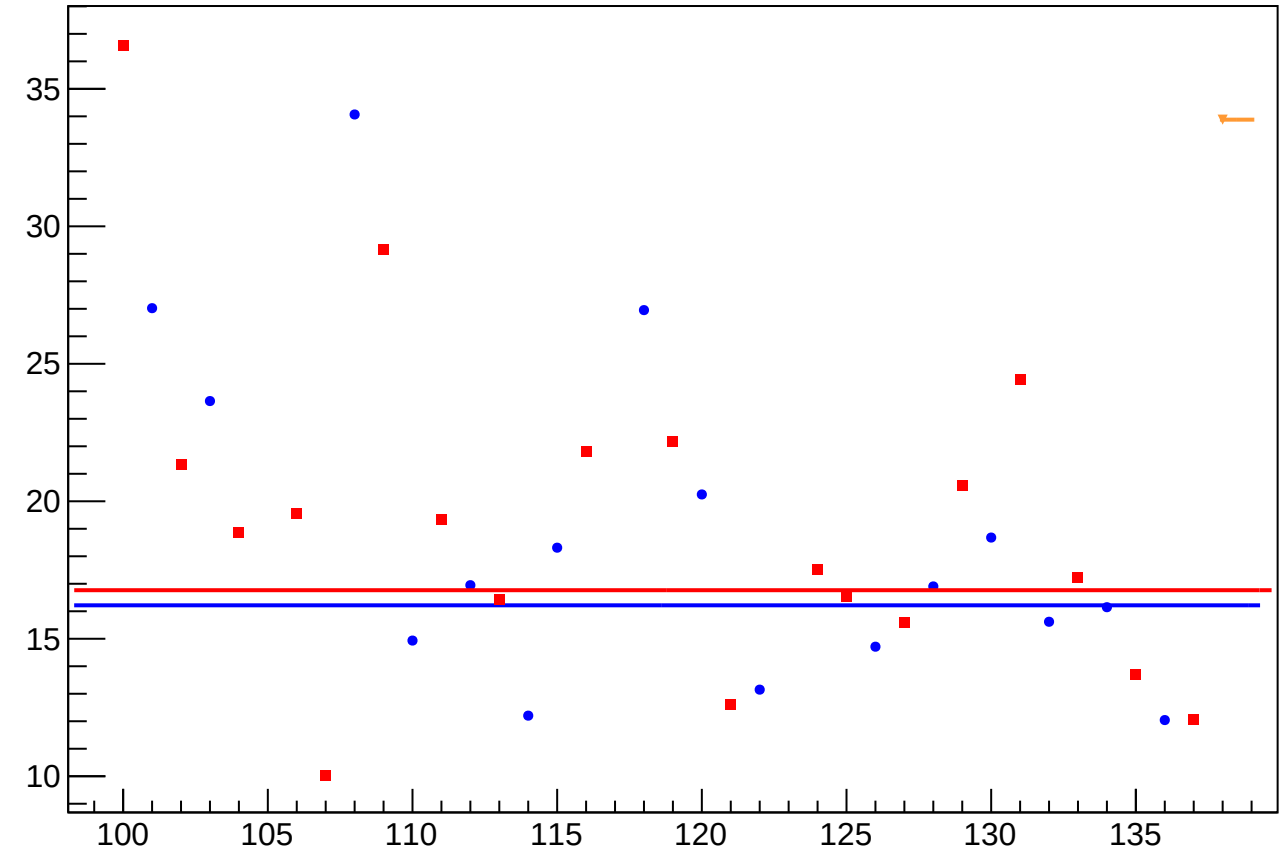
Left: -0.049+/-0.039 χ^2/NDF: 0.0/0

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.007 χ^2/NDF:21.5/15

Out: 0.002+/-0.007 χ^2/NDF:15.4/19

All: 0.003+/-0.005 χ^2/NDF: 36.9/35



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 33.880+/-0.028 χ^2/NDF:0.0/0

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 33.880+/-0.028 χ^2/NDF: 0.0/0

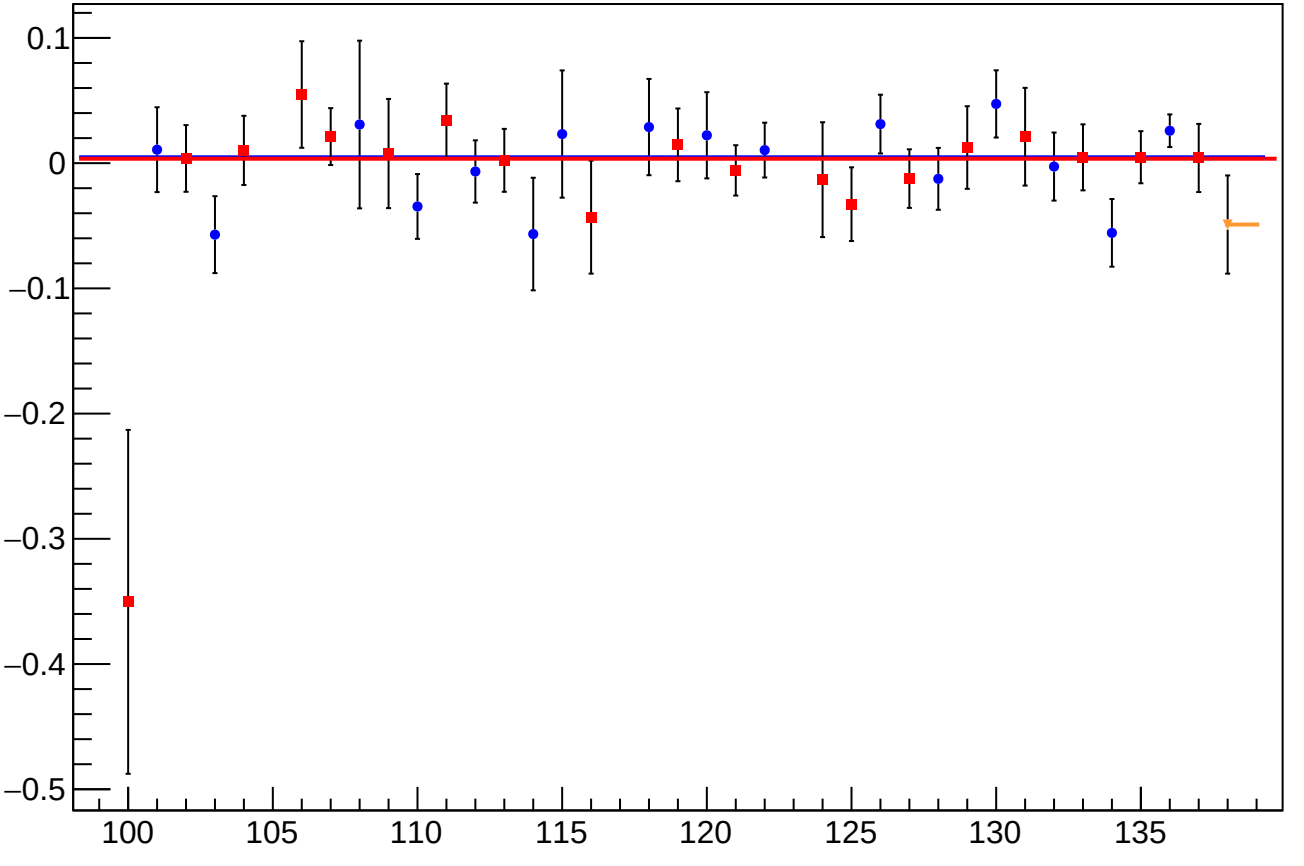
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 16.216+/-0.005 χ^2/NDF:943830.6/15

Out: 17.241+/-0.005 χ^2/NDF:1237049.1/19

All: 16.731+/-0.003 χ^2/NDF: 2205357.4/35

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: -0.049+/-0.039 χ^2/NDF:0.0/0

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.049+/-0.039 χ^2/NDF: 0.0/0

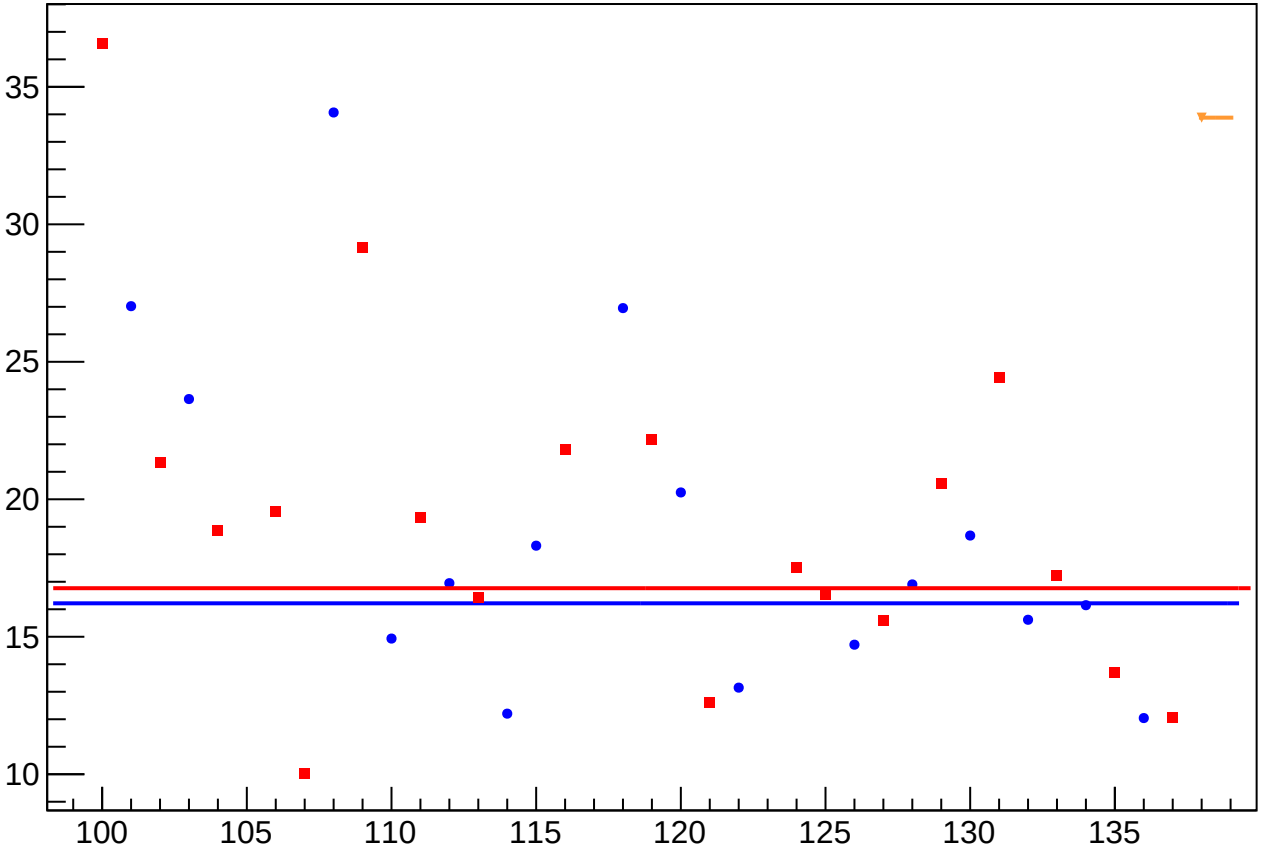
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.007 χ^2/NDF:21.5/15

Out: 0.002+/-0.007 χ^2/NDF:15.4/19

All: 0.003+/-0.005 χ^2/NDF: 36.9/35

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: 33.880+/-0.028 χ^2/NDF:0.0/0

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

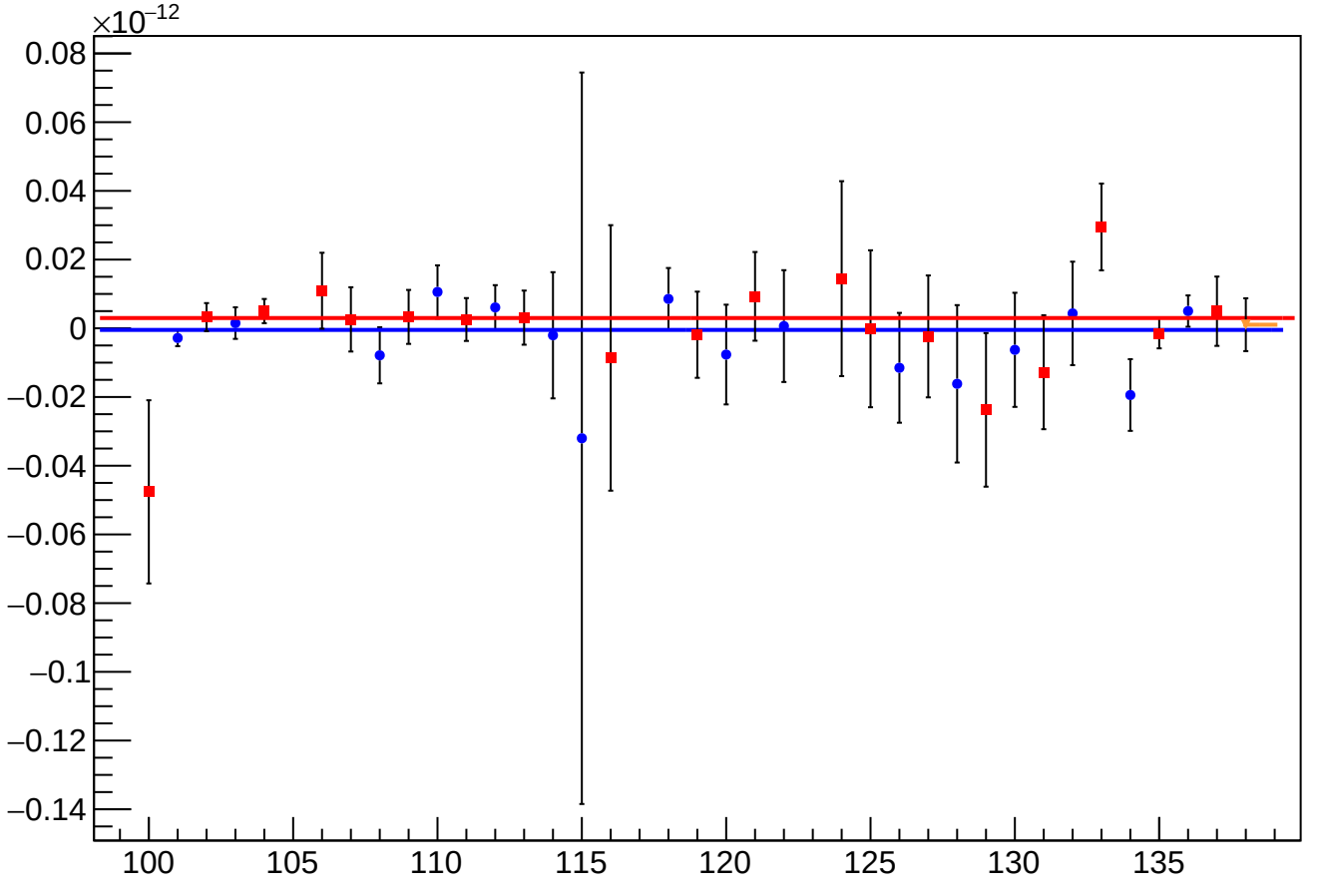
Left: 33.880+/-0.028 χ^2/NDF: 0.0/0

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 16.216+/-0.005 χ^2/NDF:943830.6/15

Out: 17.241+/-0.005 χ^2/NDF:1237049.1/19

All: 16.731+/-0.003 χ^2/NDF: 2205357.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

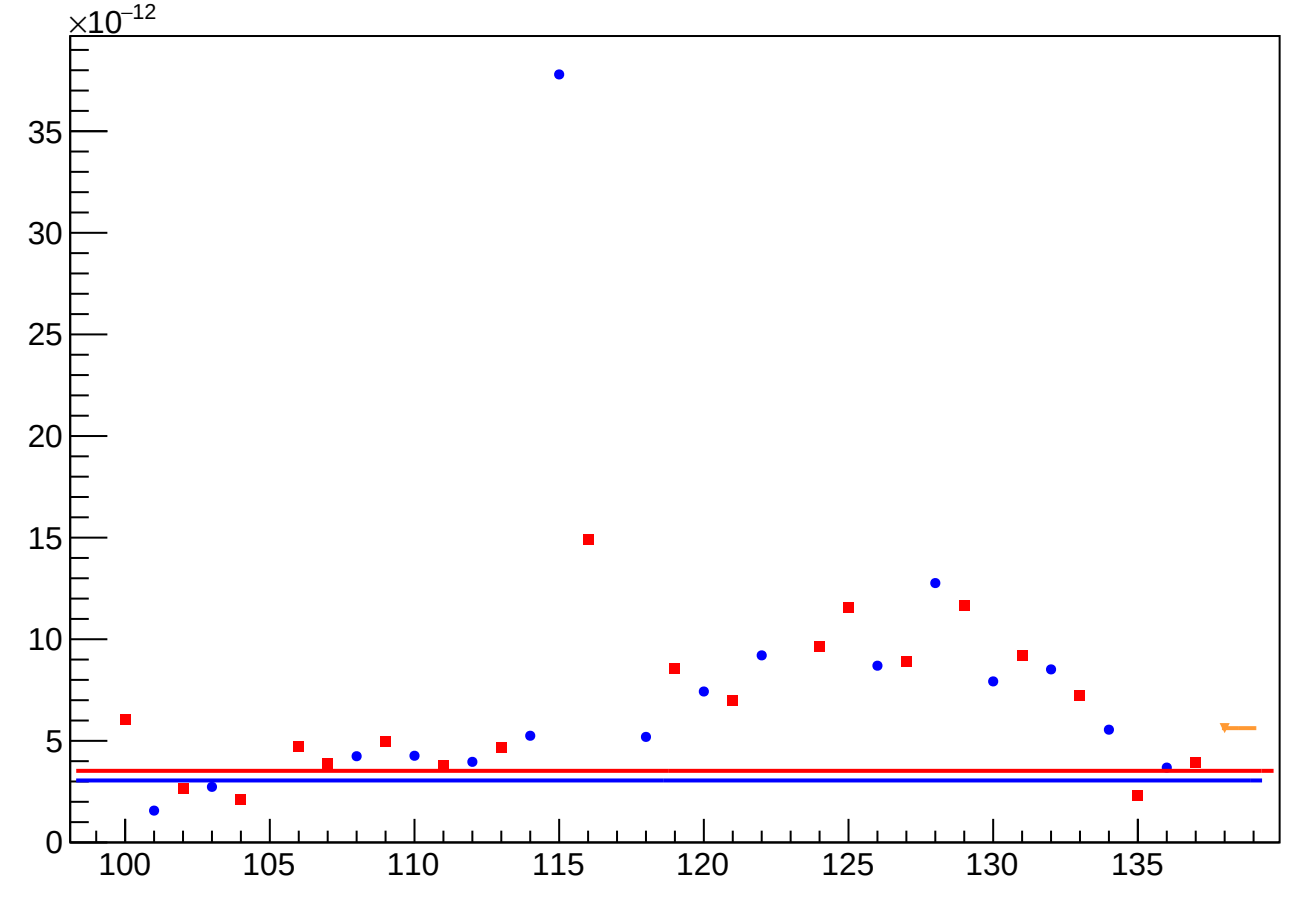
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:12.3/15

Out: 0.000+/-0.000 χ^2/NDF:13.1/19

All: 0.000+/-0.000 χ^2/NDF: 27.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

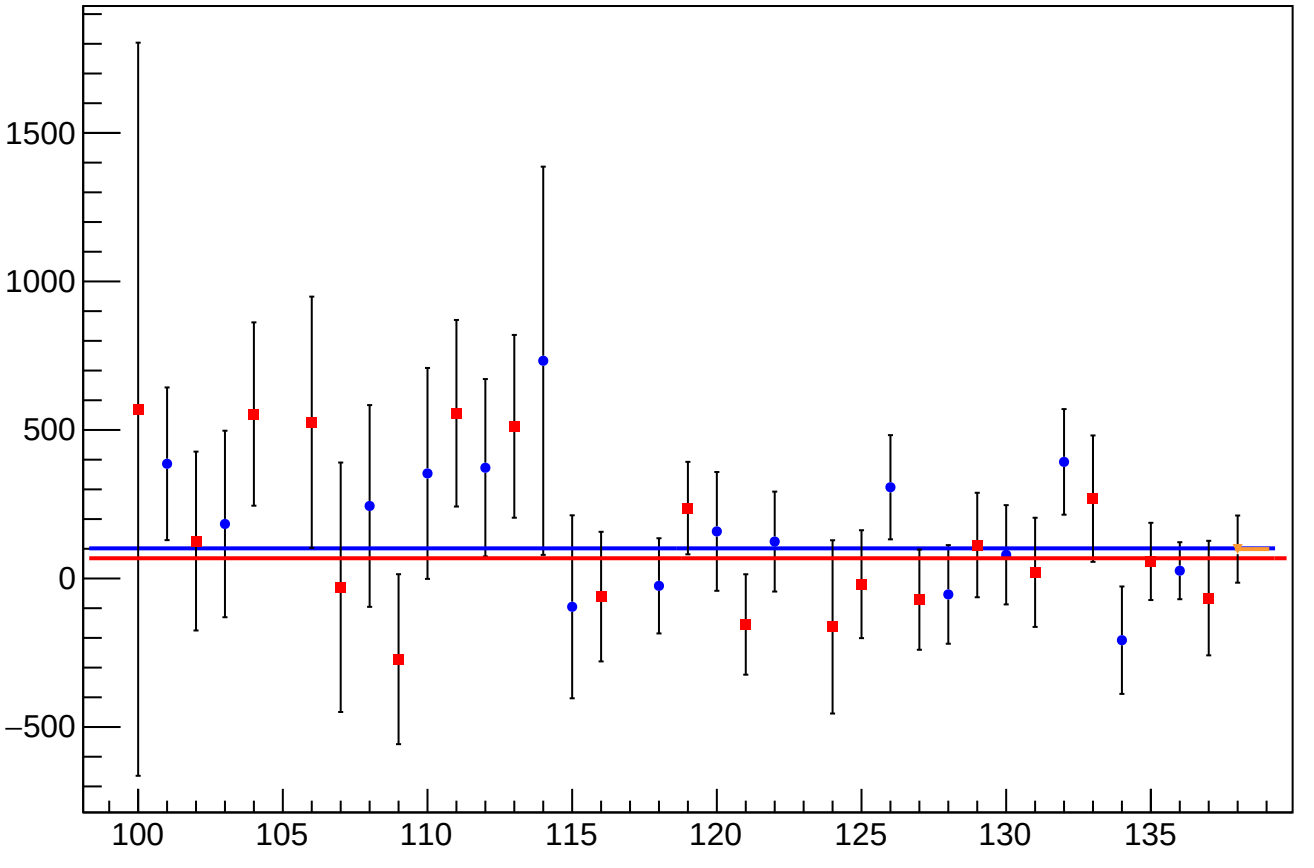
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:2937232.3/15

Out: 0.000+/-0.000 χ^2/NDF:2700813.8/19

All: 0.000+/-0.000 χ^2/NDF: 5756451.3/35



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 98.937+/-113.074 χ^2/NDF:0.0/0

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 98.937+/-113.074 χ^2/NDF: 0.0/0

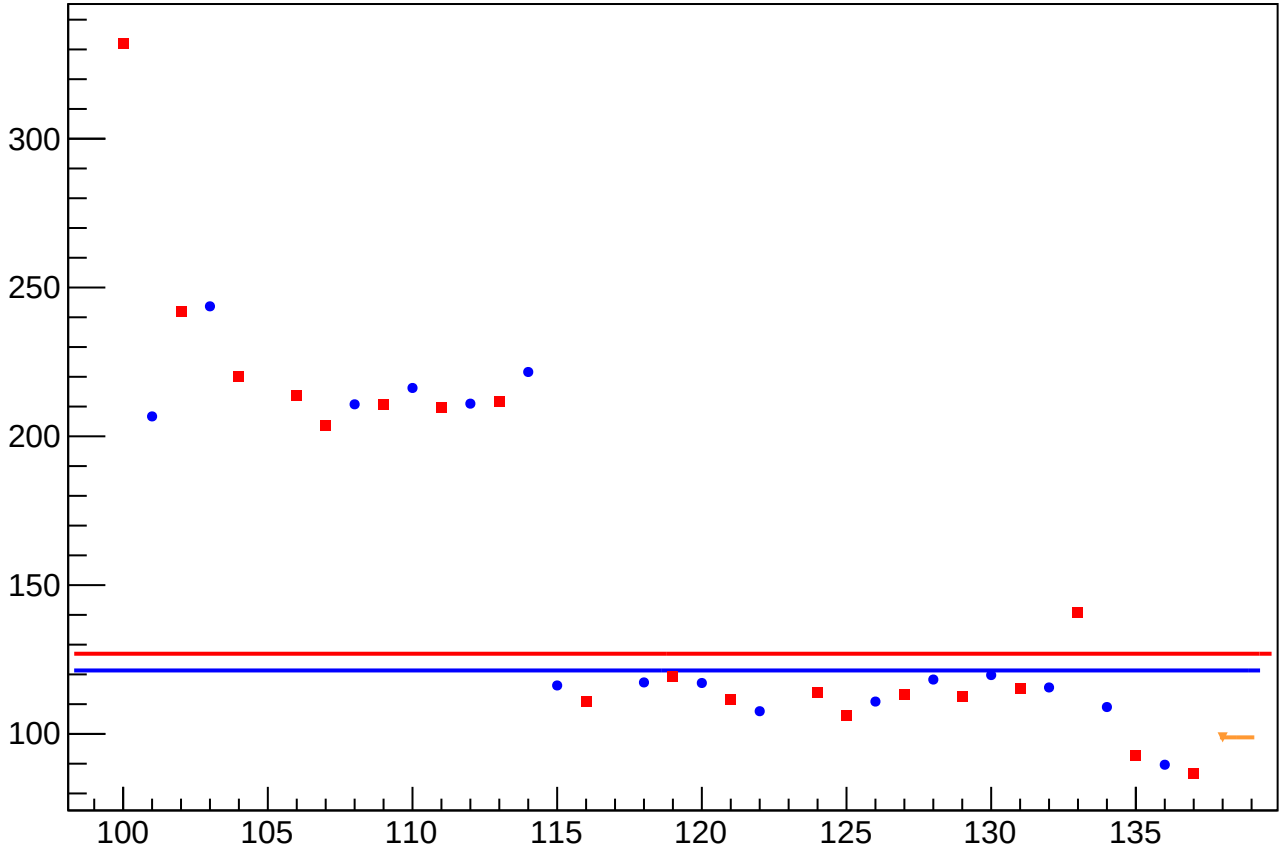
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 101.460+/-47.631 χ^2/NDF:13.4/15

Out: 73.037+/-45.213 χ^2/NDF:16.2/19

All: 86.508+/-32.792 χ^2/NDF: 29.7/35

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 98.842+/-0.080 χ^2/NDF:0.0/0

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 98.842+/-0.080 χ^2/NDF: 0.0/0

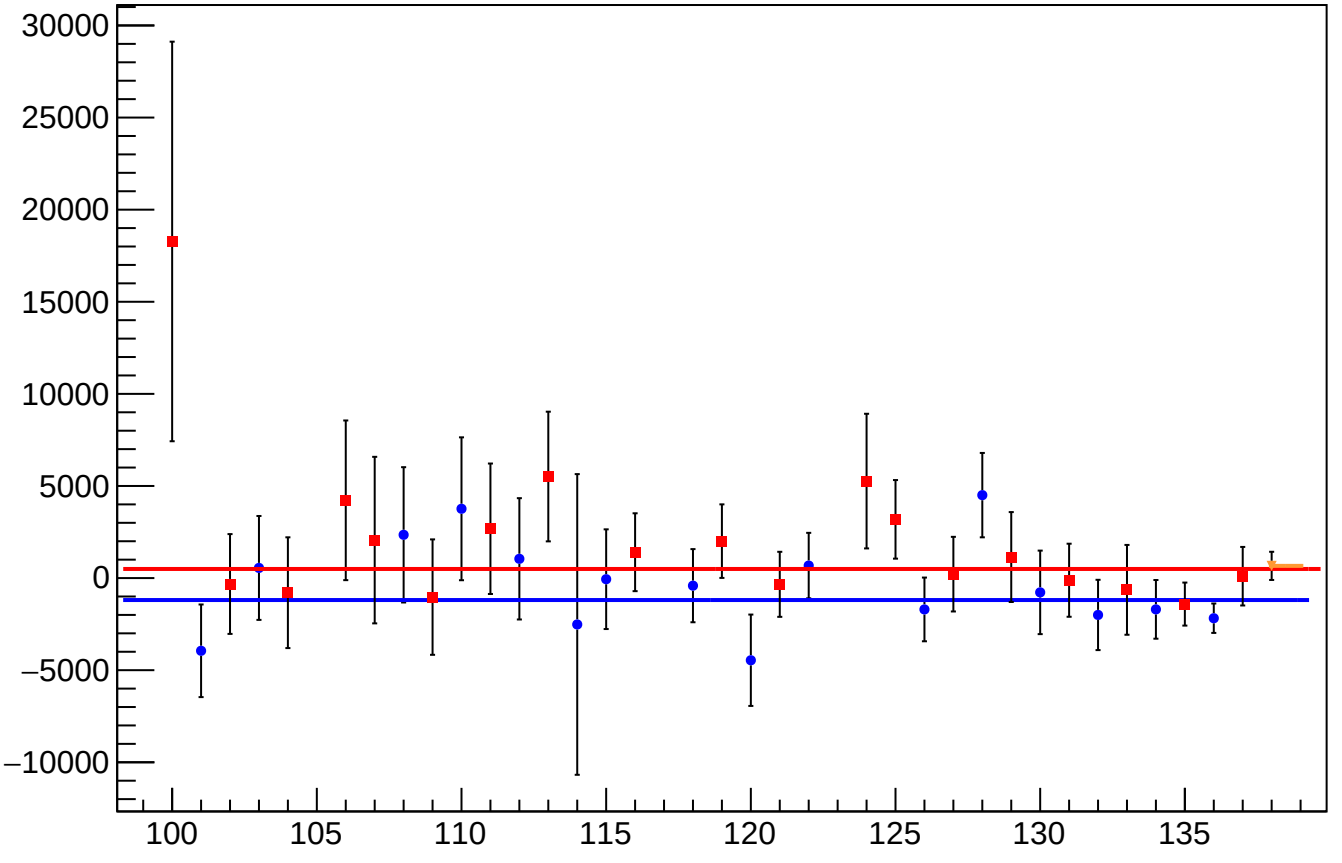
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 121.325+/-0.034 χ^2/NDF:1286651.5/15

Out: 122.452+/-0.032 χ^2/NDF:1575377.2/19

All: 121.918+/-0.023 χ^2/NDF: 2862616.9/35

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: 662.572+/-764.784 χ^2/NDF:0.0/0

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

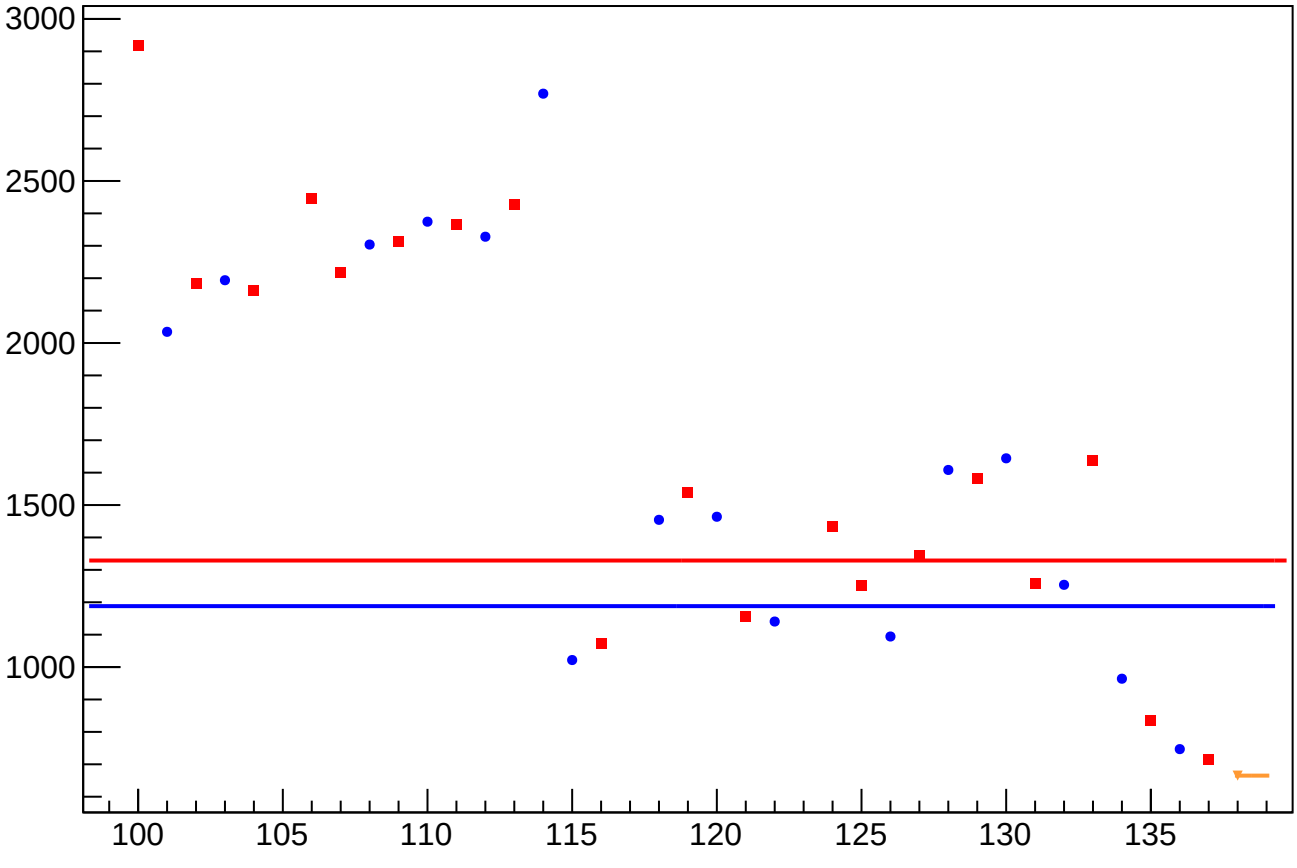
Left: 662.572+/-764.784 χ^2/NDF: 0.0/0

Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -1192.168+/-478.908 χ^2/NDF:15.9/15

Out: 547.967+/-431.007 χ^2/NDF:13.9/19

All: -230.747+/-320.368 χ^2/NDF: 37.1/35



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 665.057+/-0.541 χ^2/NDF:0.0/0

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

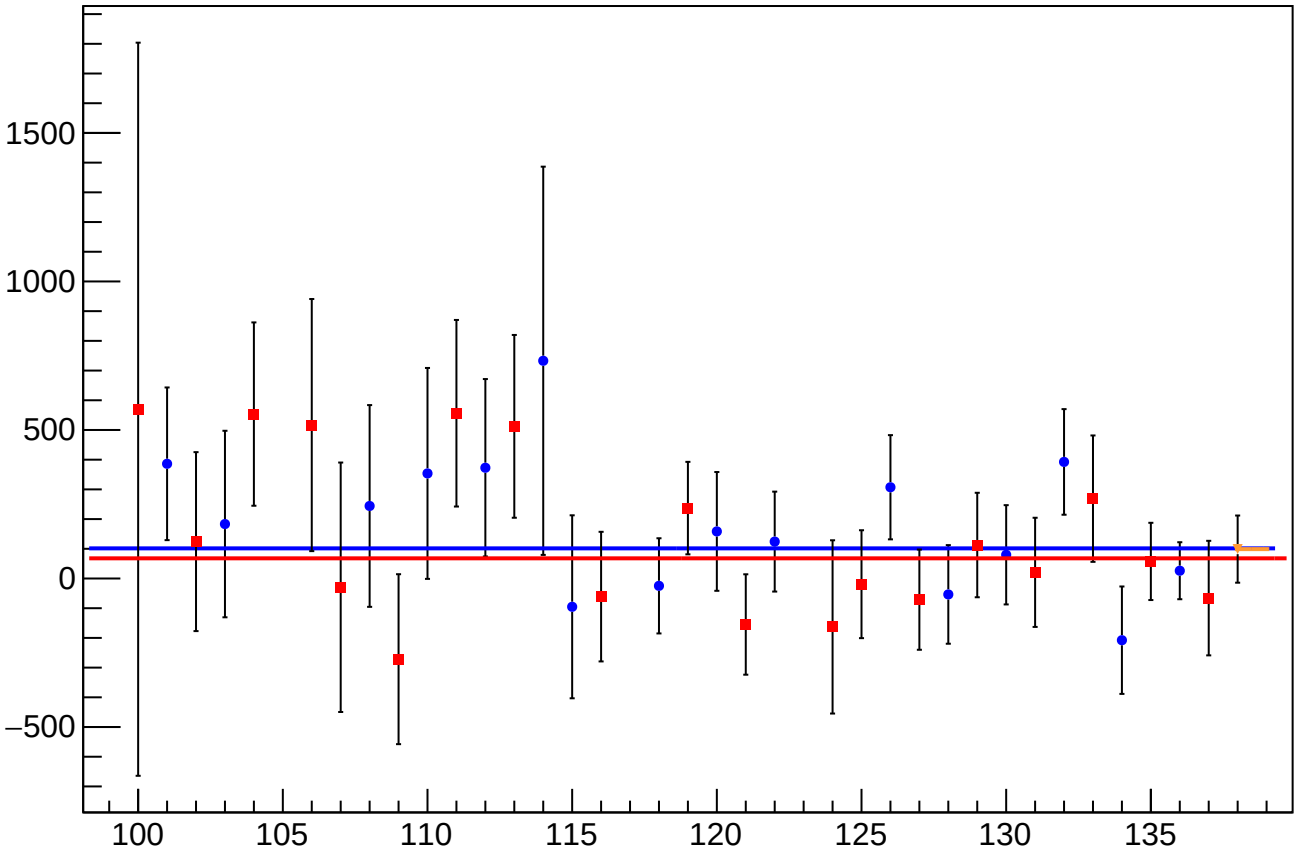
Left: 665.057+/-0.541 χ^2/NDF: 0.0/0

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 1188.069+/-0.339 χ^2/NDF:2044635.7/15

Out: 1118.001+/-0.305 χ^2/NDF:2985793.9/19

All: 1149.357+/-0.227 χ^2/NDF: 5054083.3/35



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 98.937+/-113.074 χ^2/NDF:0.0/0

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 98.937+/-113.074 χ^2/NDF: 0.0/0

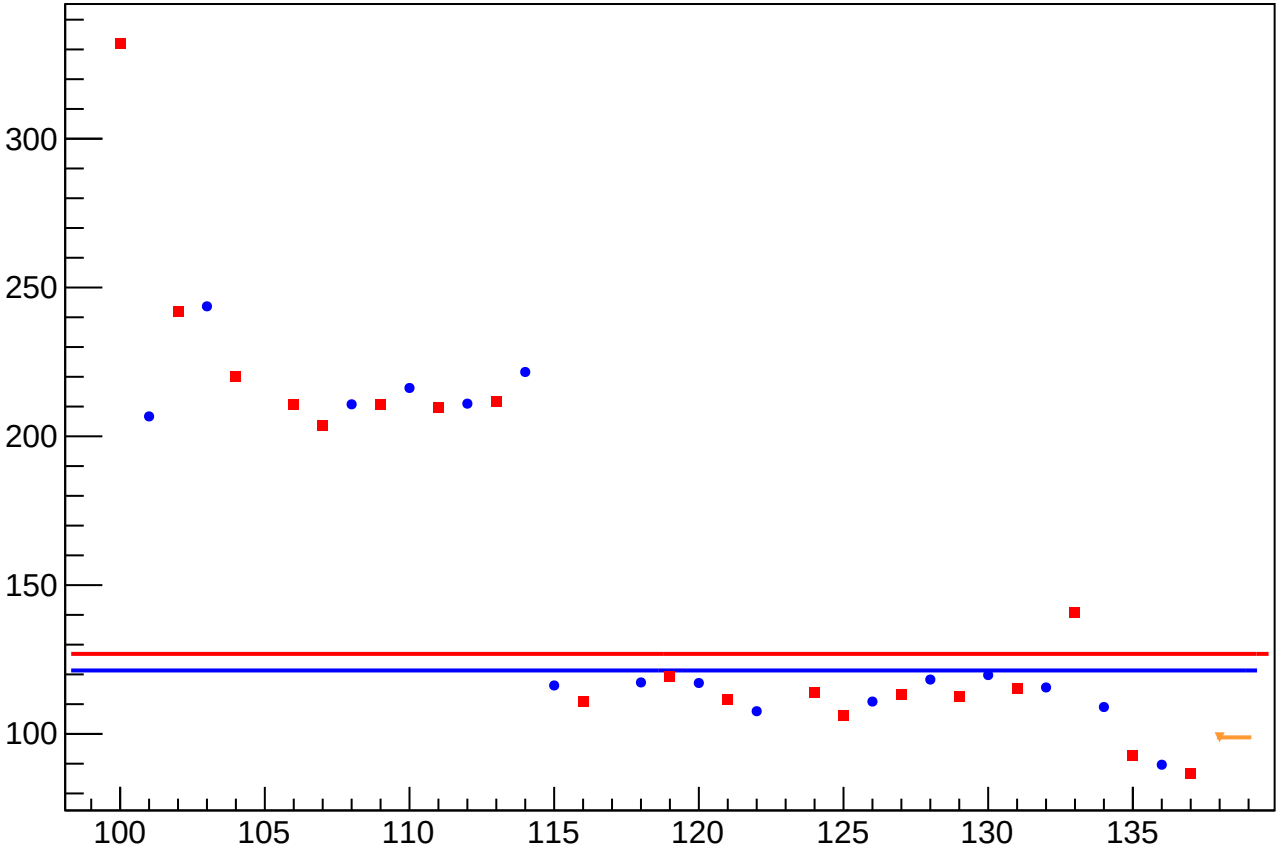
Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 101.446+/-47.631 χ^2/NDF:13.3/15

Out: 72.847+/-45.215 χ^2/NDF:16.1/19

All: 86.403+/-32.793 χ^2/NDF: 29.7/35

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 98.842+/-0.080 χ^2/NDF:0.0/0

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

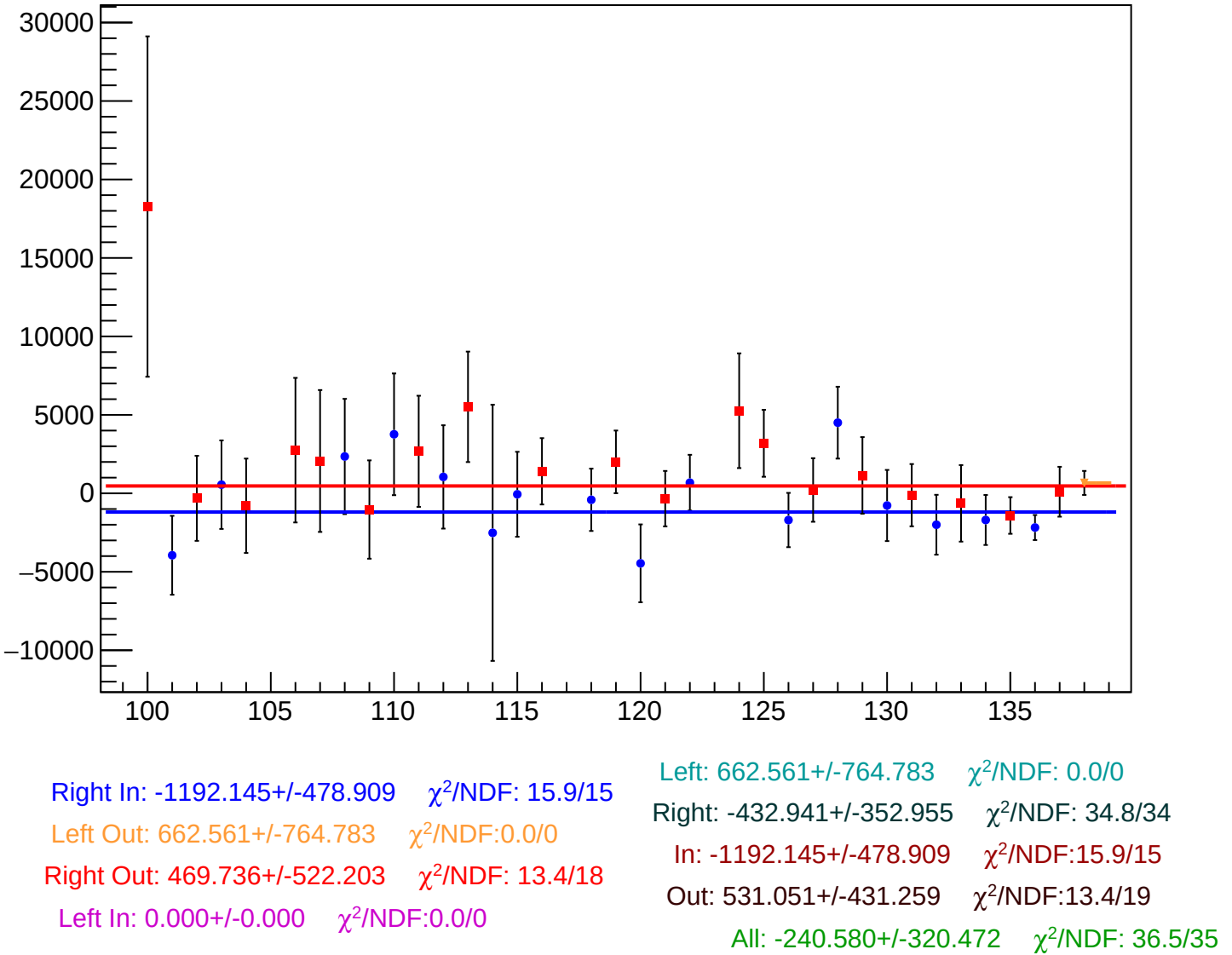
Left: 98.842+/-0.080 χ^2/NDF: 0.0/0

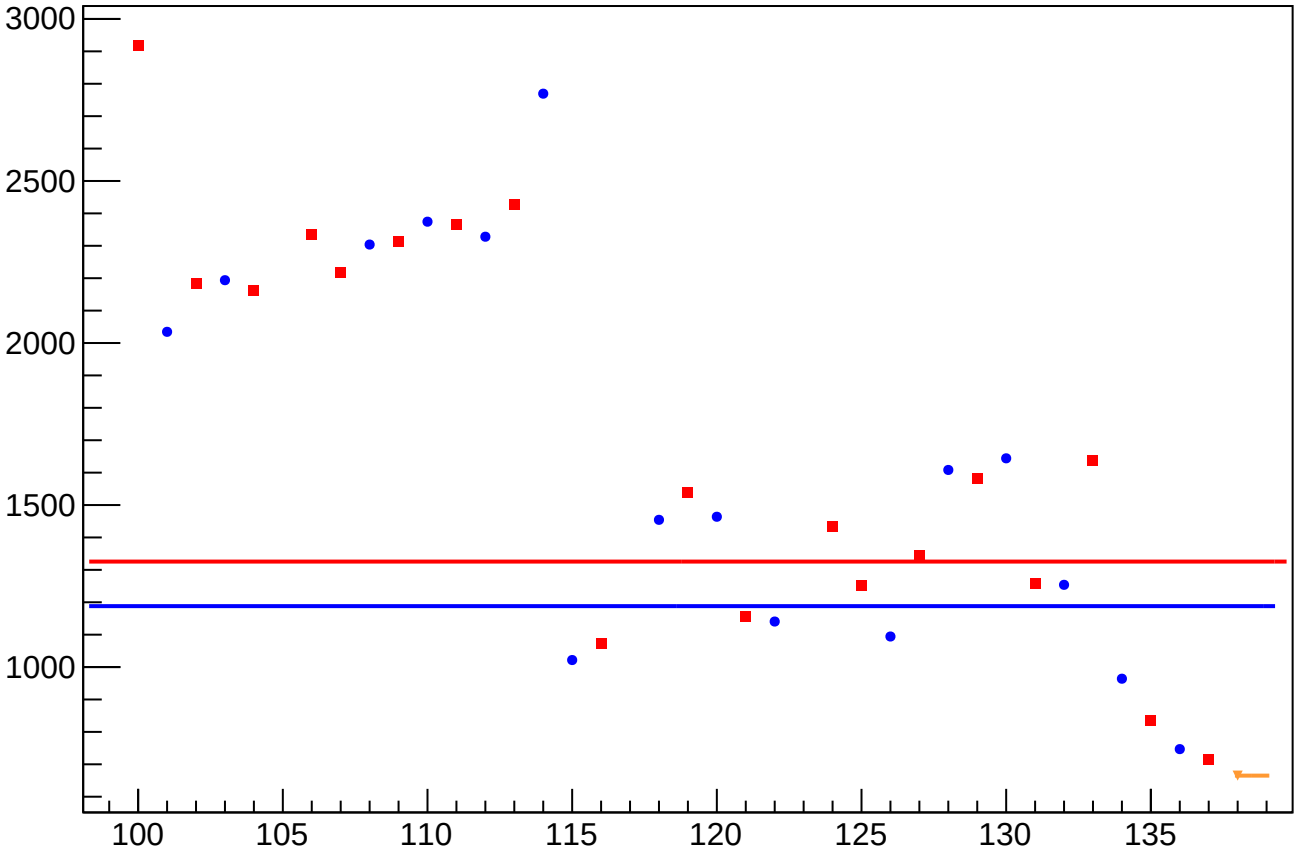
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 121.325+/-0.034 χ^2/NDF:1286654.0/15

Out: 122.409+/-0.032 χ^2/NDF:1568892.6/19

All: 121.896+/-0.023 χ^2/NDF: 2856091.3/35


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: 662.561+/-764.783 χ²/NDF:0.0/0
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 662.561+/-764.783 χ²/NDF: 0.0/0
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -1192.145+/-478.909 χ²/NDF:15.9/15
Out: 531.051+/-431.259 χ²/NDF:13.4/19
All: -240.580+/-320.472 χ²/NDF: 36.5/35



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 665.057+/-0.541 χ^2/NDF:0.0/0

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

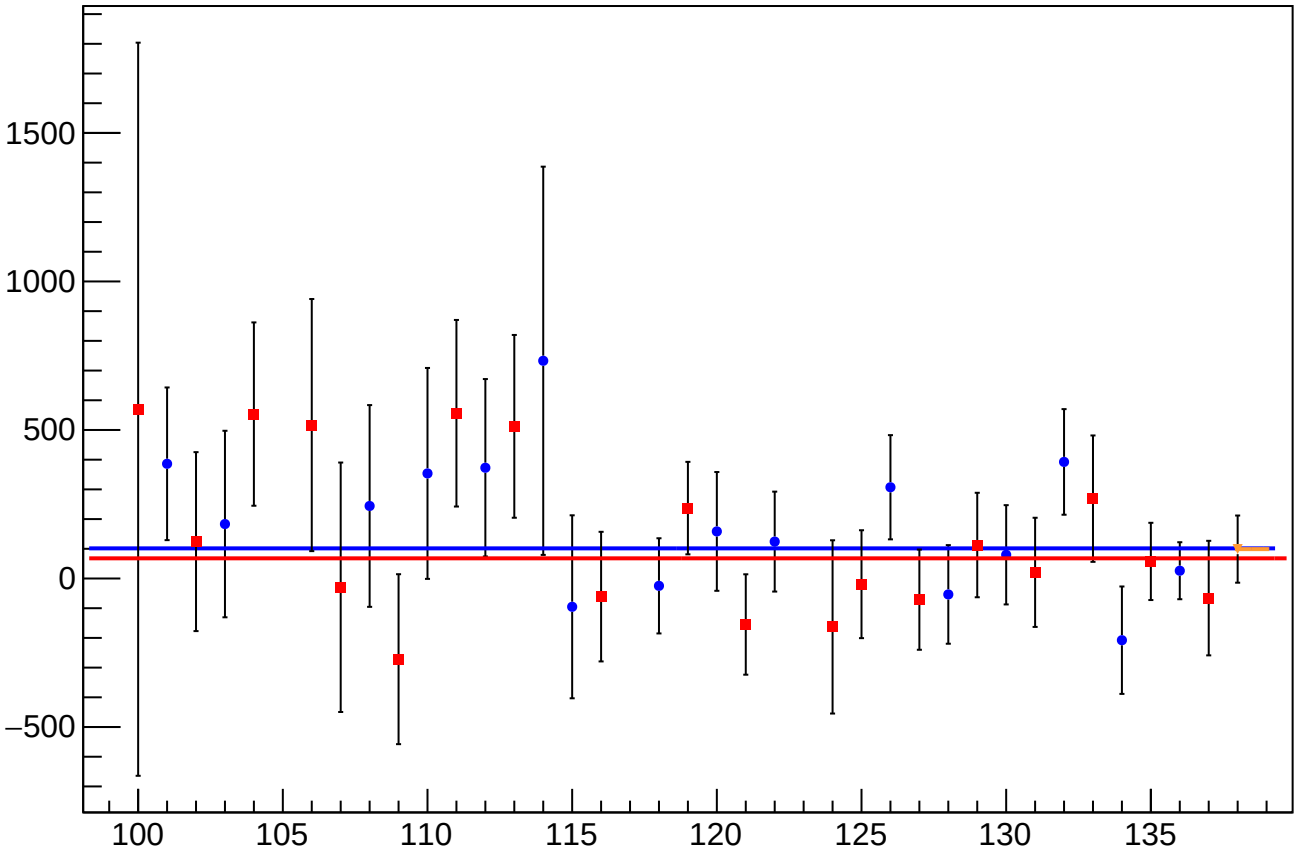
Left: 665.057+/-0.541 χ^2/NDF: 0.0/0

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 1188.069+/-0.339 χ^2/NDF:2044666.3/15

Out: 1115.536+/-0.305 χ^2/NDF:2938419.4/19

All: 1148.016+/-0.227 χ^2/NDF: 5008419.4/35



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 98.937+/-113.074 χ^2/NDF:0.0/0

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

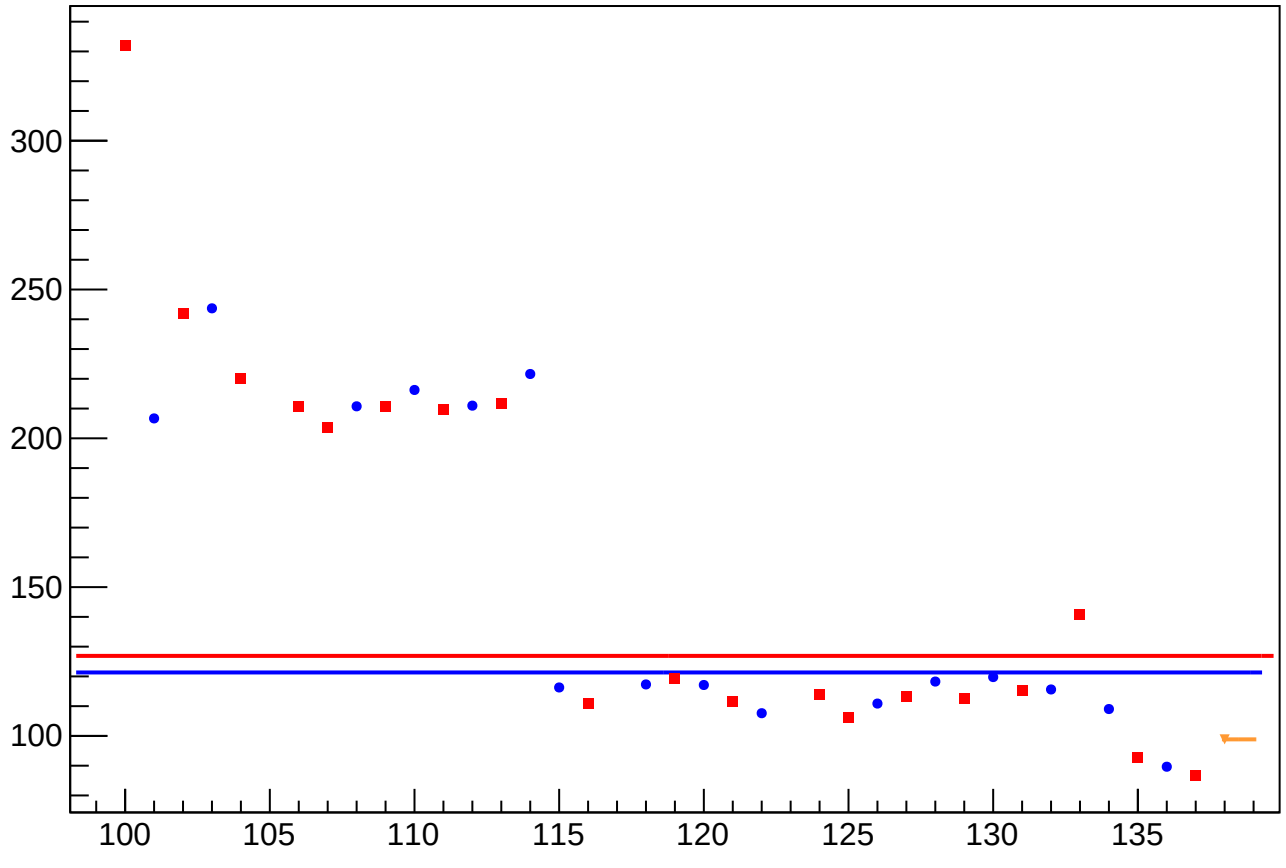
Left: 98.937+/-113.074 χ^2/NDF: 0.0/0

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 101.446+/-47.631 χ^2/NDF:13.3/15

Out: 72.847+/-45.215 χ^2/NDF:16.1/19

All: 86.403+/-32.793 χ^2/NDF: 29.7/35



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 98.842+/-0.080 χ^2/NDF:0.0/0

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 98.842+/-0.080 χ^2/NDF: 0.0/0

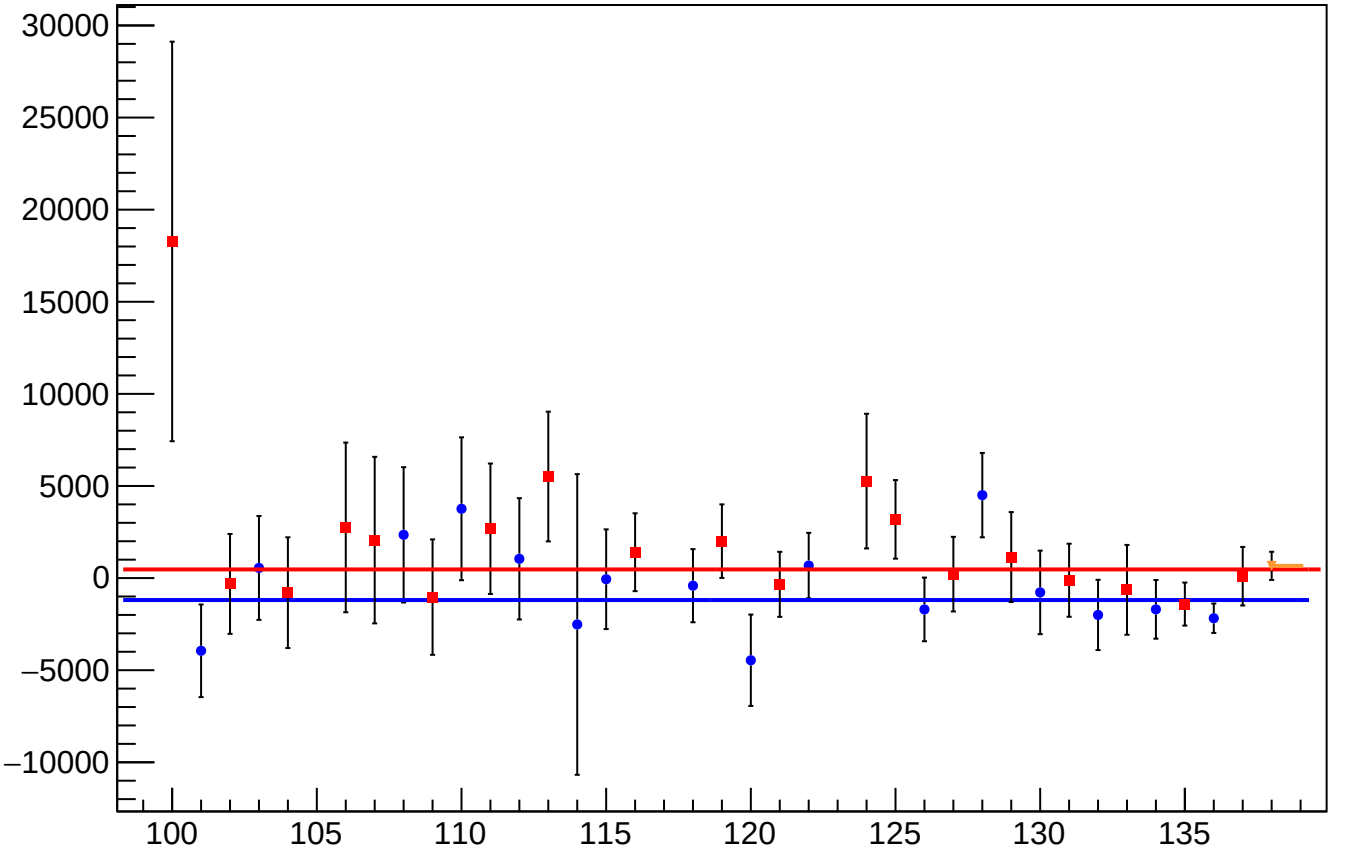
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 121.325+/-0.034 χ^2/NDF:1286654.0/15

Out: 122.409+/-0.032 χ^2/NDF:1568892.6/19

All: 121.896+/-0.023 χ^2/NDF: 2856091.3/35

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: 662.561+/-764.783 χ^2/NDF:0.0/0

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

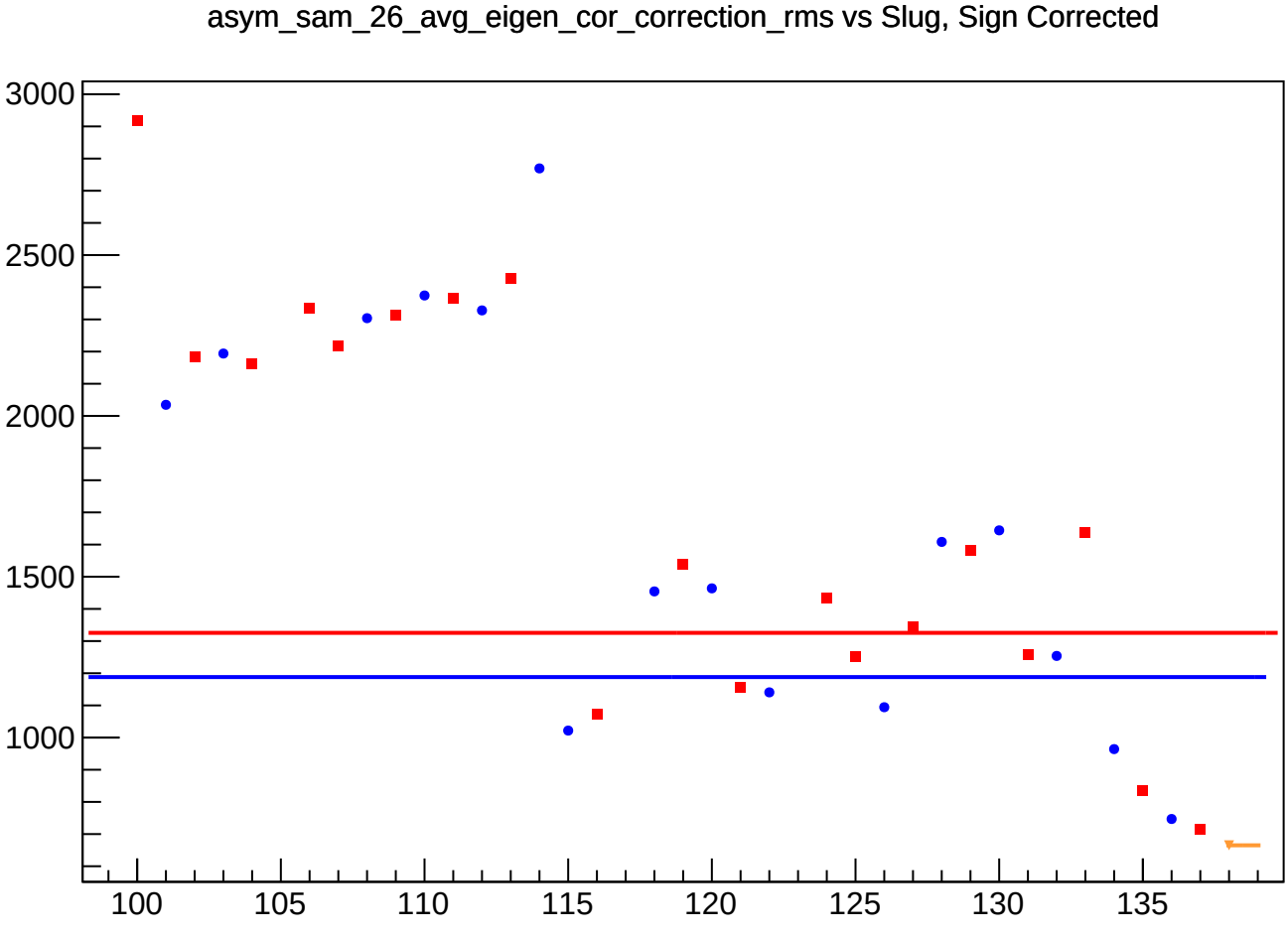
Left: 662.561+/-764.783 χ^2/NDF: 0.0/0

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -1192.145+/-478.909 χ^2/NDF:15.9/15

Out: 531.051+/-431.259 χ^2/NDF:13.4/19

All: -240.580+/-320.472 χ^2/NDF: 36.5/35



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 665.057+/-0.541 χ^2/NDF:0.0/0

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

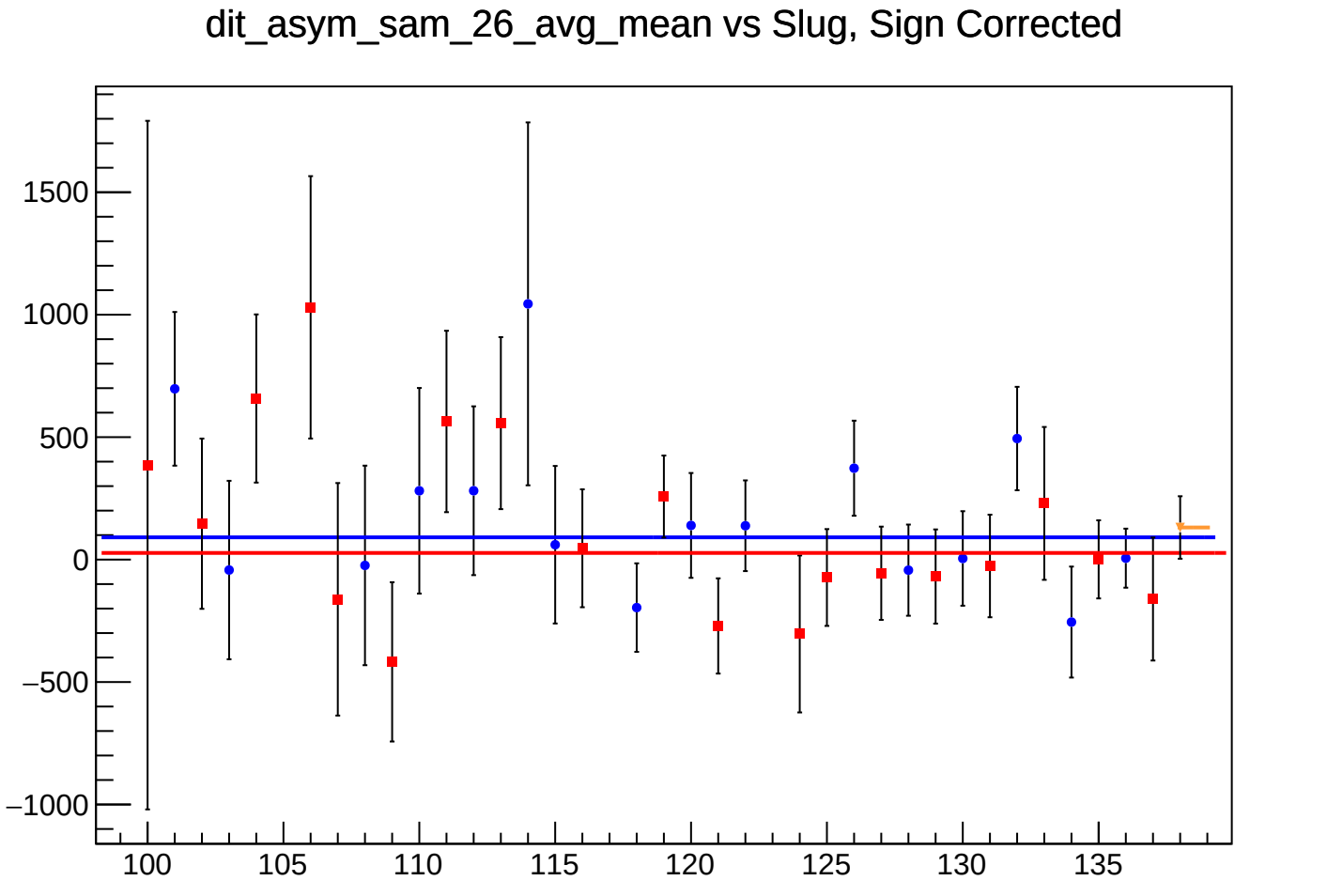
Left: 665.057+/-0.541 χ^2/NDF: 0.0/0

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 1188.069+/-0.339 χ^2/NDF:2044666.3/15

Out: 1115.536+/-0.305 χ^2/NDF:2938419.4/19

All: 1148.016+/-0.227 χ^2/NDF: 5008419.4/35



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 131.121+/-127.607 χ^2/NDF:0.0/0

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

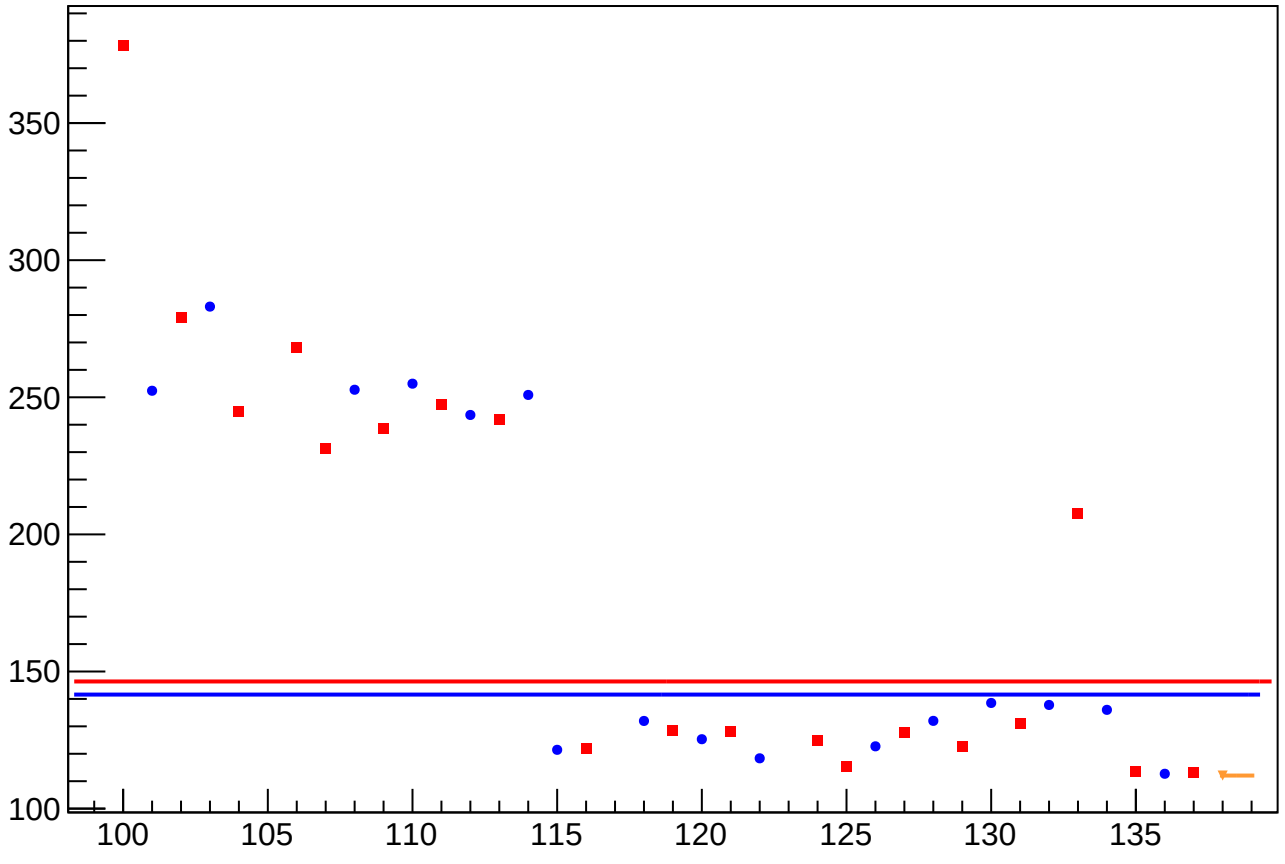
Left: 131.121+/-127.607 χ^2/NDF: 0.0/0

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 90.908+/-55.565 χ^2/NDF:18.1/15

Out: 44.469+/-52.056 χ^2/NDF:21.1/19

All: 66.176+/-37.989 χ^2/NDF: 39.6/35



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 112.058+/-0.090 χ^2/NDF:0.0/0

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

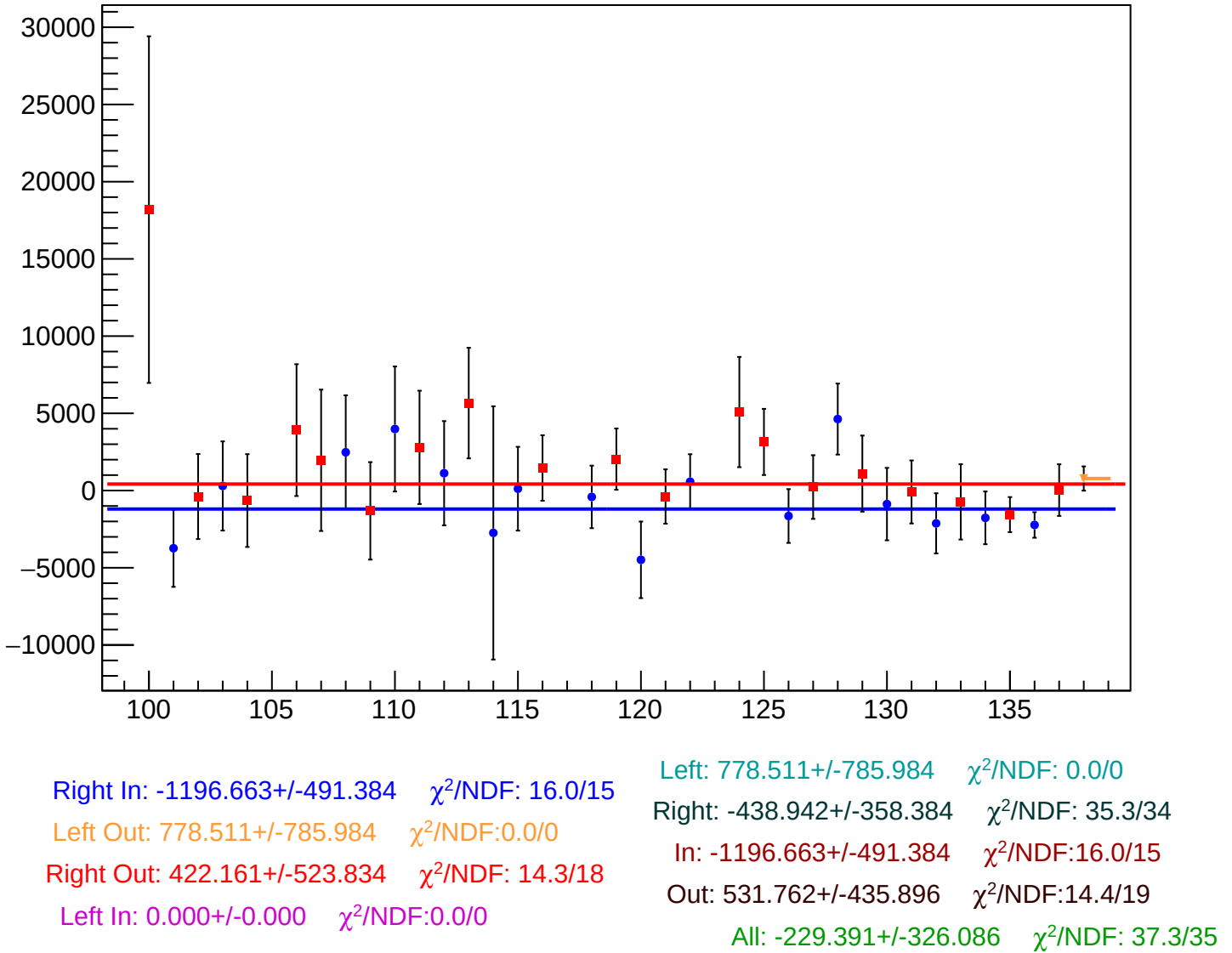
Left: 112.058+/-0.090 χ^2/NDF: 0.0/0

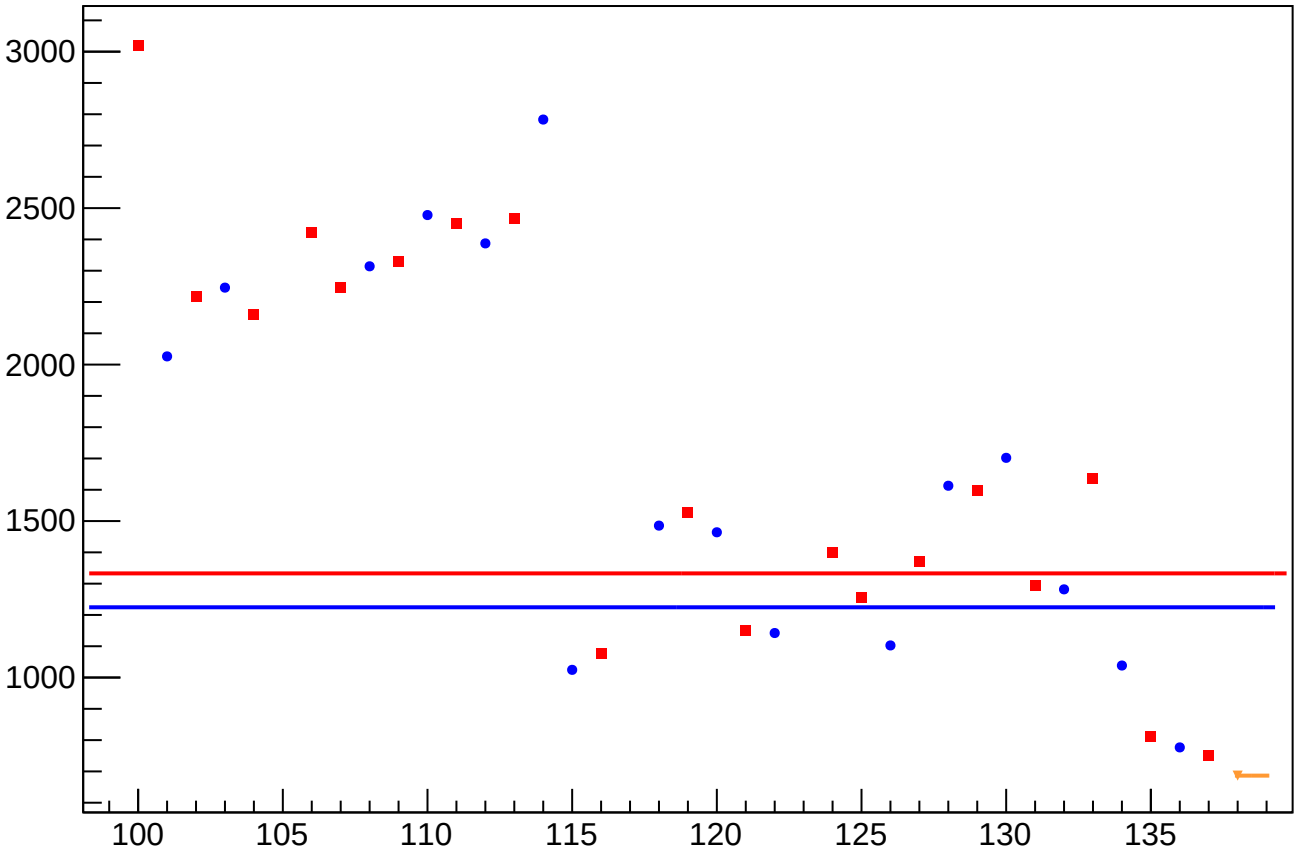
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 141.586+/-0.039 χ^2/NDF:1262366.8/15

Out: 140.659+/-0.037 χ^2/NDF:1634186.1/19

All: 141.092+/-0.027 χ^2/NDF: 2896849.6/35


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
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: 778.511+/-785.984 χ²/NDF:0.0/0
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 778.511+/-785.984 χ²/NDF: 0.0/0
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -1196.663+/-491.384 χ²/NDF:16.0/15
Out: 531.762+/-435.896 χ²/NDF:14.4/19
All: -229.391+/-326.086 χ²/NDF: 37.3/35



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 686.548+/-0.556 χ^2/NDF:0.0/0

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

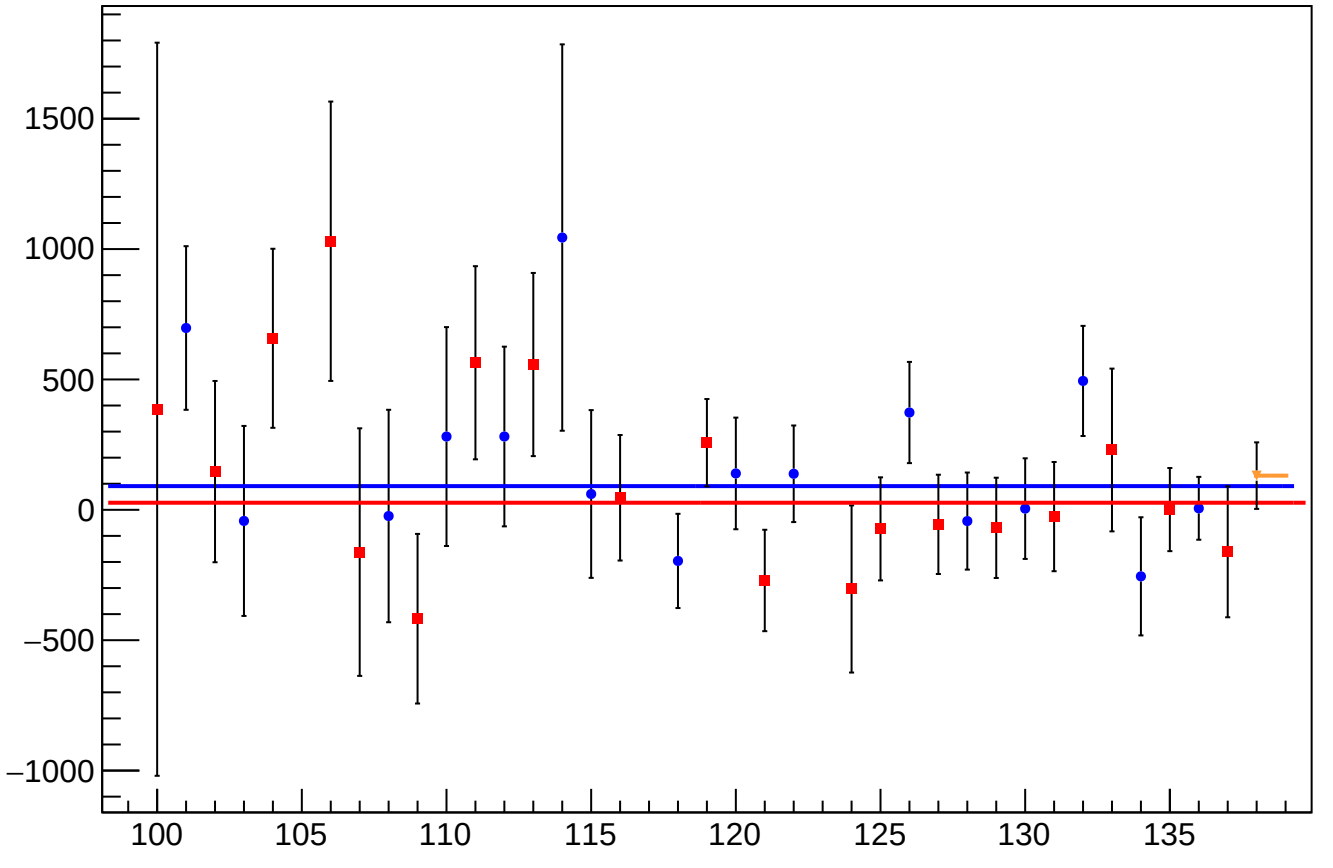
Left: 686.548+/-0.556 χ^2/NDF: 0.0/0

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 1224.470+/-0.347 χ^2/NDF:1959362.3/15

Out: 1134.024+/-0.308 χ^2/NDF:2931003.3/19

All: 1173.854+/-0.231 χ^2/NDF: 4928285.4/35



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 131.113+/-127.607 χ^2/NDF:0.0/0

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

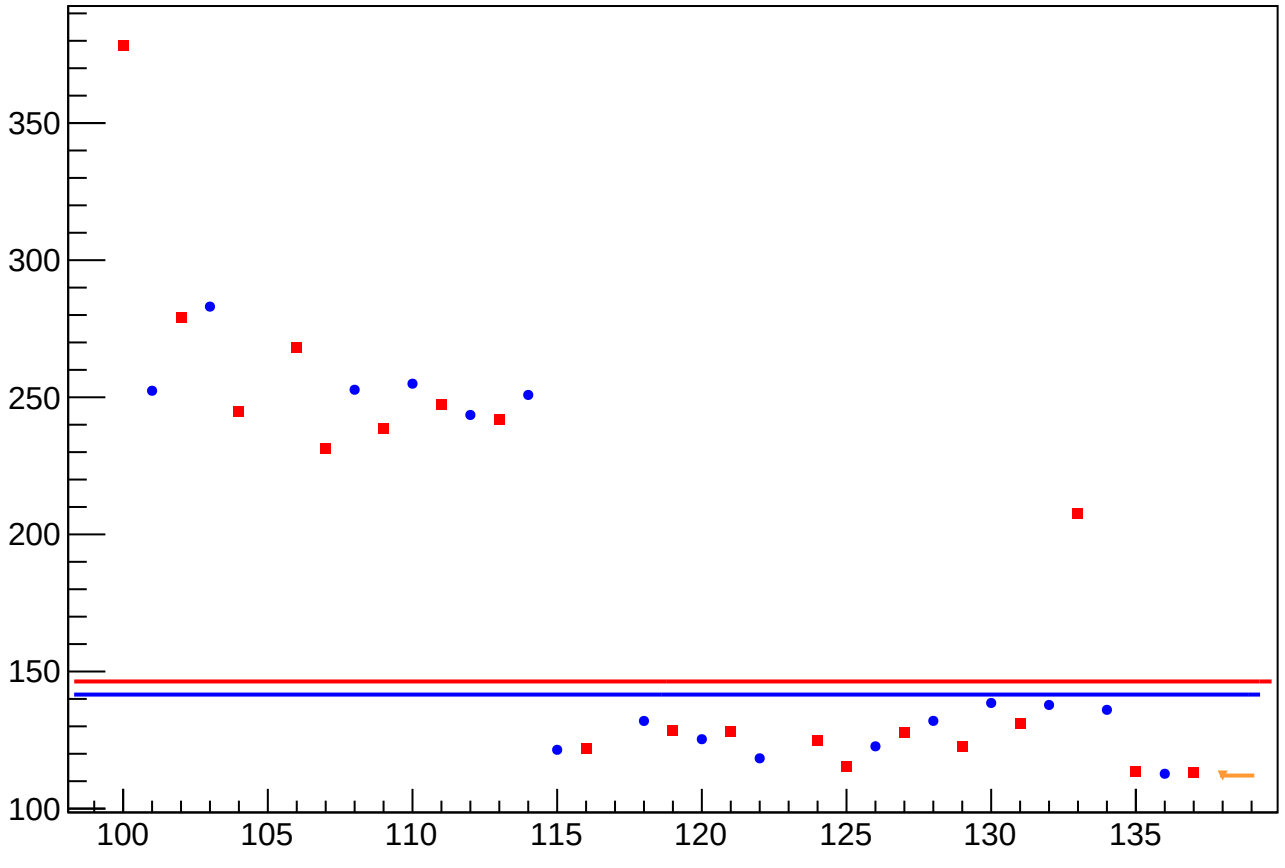
Left: 131.113+/-127.607 χ^2/NDF: 0.0/0

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 90.910+/-55.564 χ^2/NDF:18.1/15

Out: 44.468+/-52.055 χ^2/NDF:21.1/19

All: 66.176+/-37.989 χ^2/NDF: 39.6/35



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 112.057+/-0.090 χ^2/NDF:0.0/0

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

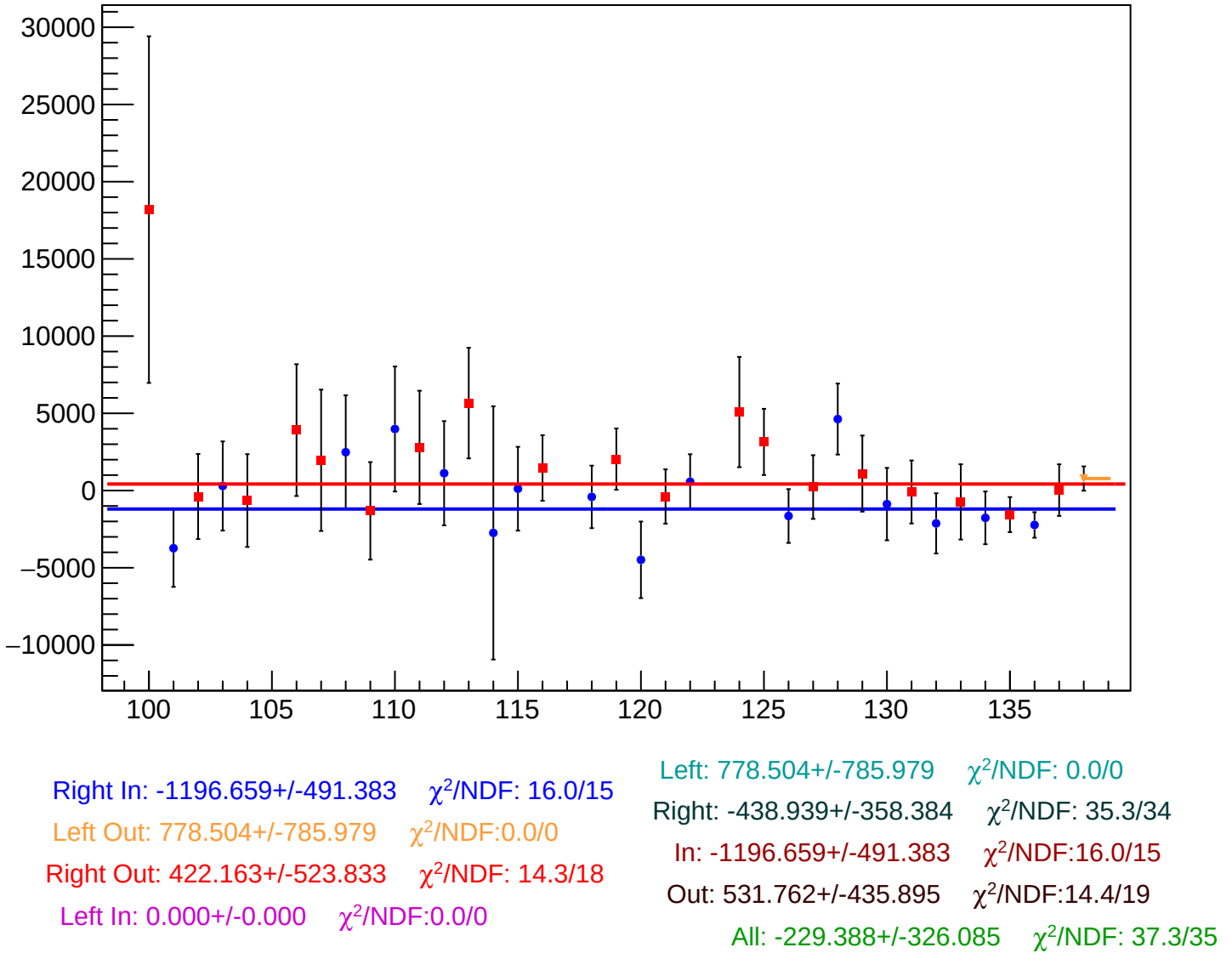
Left: 112.057+/-0.090 χ^2/NDF: 0.0/0

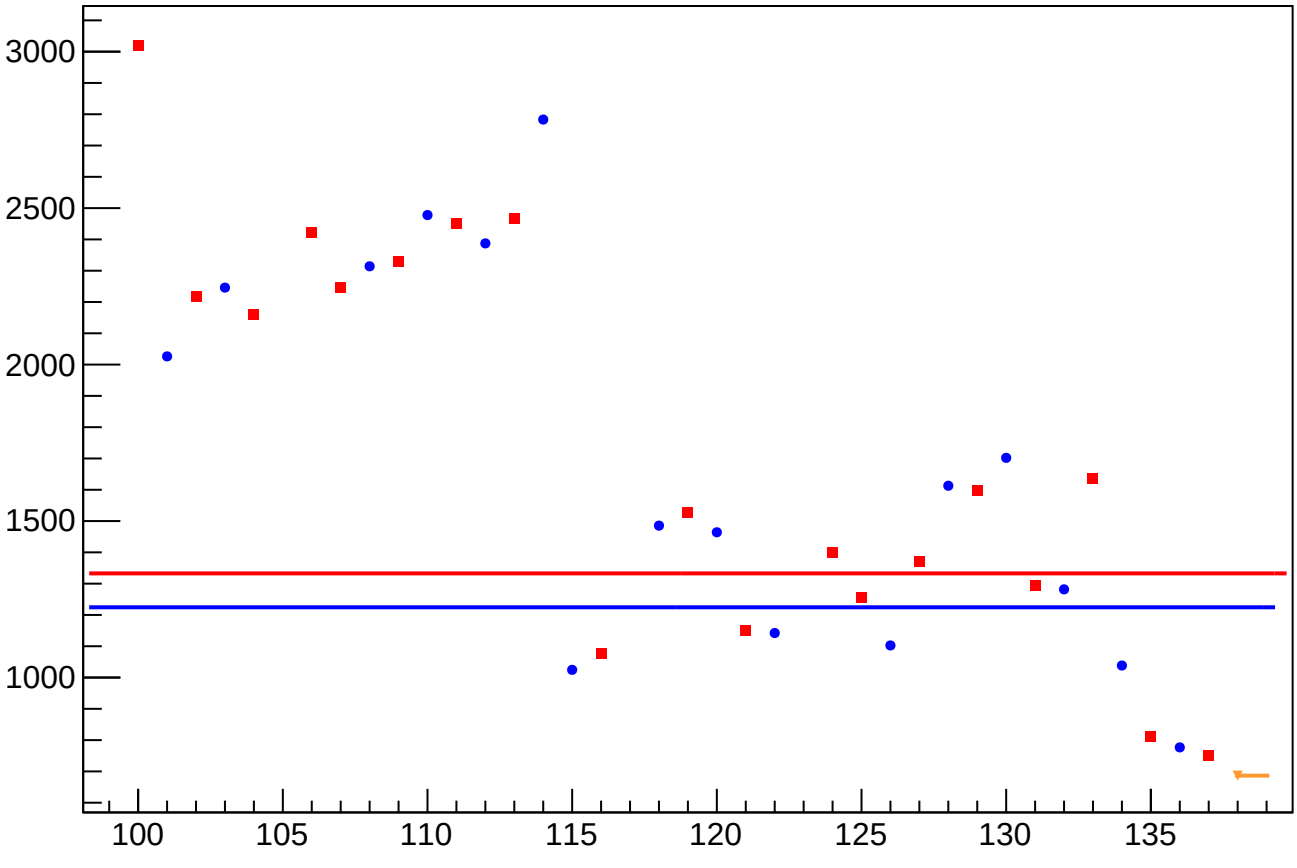
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 141.586+/-0.039 χ^2/NDF:1262350.2/15

Out: 140.658+/-0.037 χ^2/NDF:1634172.6/19

All: 141.092+/-0.027 χ^2/NDF: 2896819.3/35


asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
Right In: -1196.659+/-491.383 χ²/NDF: 16.0/15
Left Out: 778.504+/-785.979 χ²/NDF:0.0/0
Right Out: 422.163+/-523.833 χ²/NDF: 14.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 778.504+/-785.979 χ²/NDF: 0.0/0
Right: -438.939+/-358.384 χ²/NDF: 35.3/34
In: -1196.659+/-491.383 χ²/NDF:16.0/15
Out: 531.762+/-435.895 χ²/NDF:14.4/19
All: -229.388+/-326.085 χ²/NDF: 37.3/35



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 686.544+/-0.556 χ^2/NDF:0.0/0

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

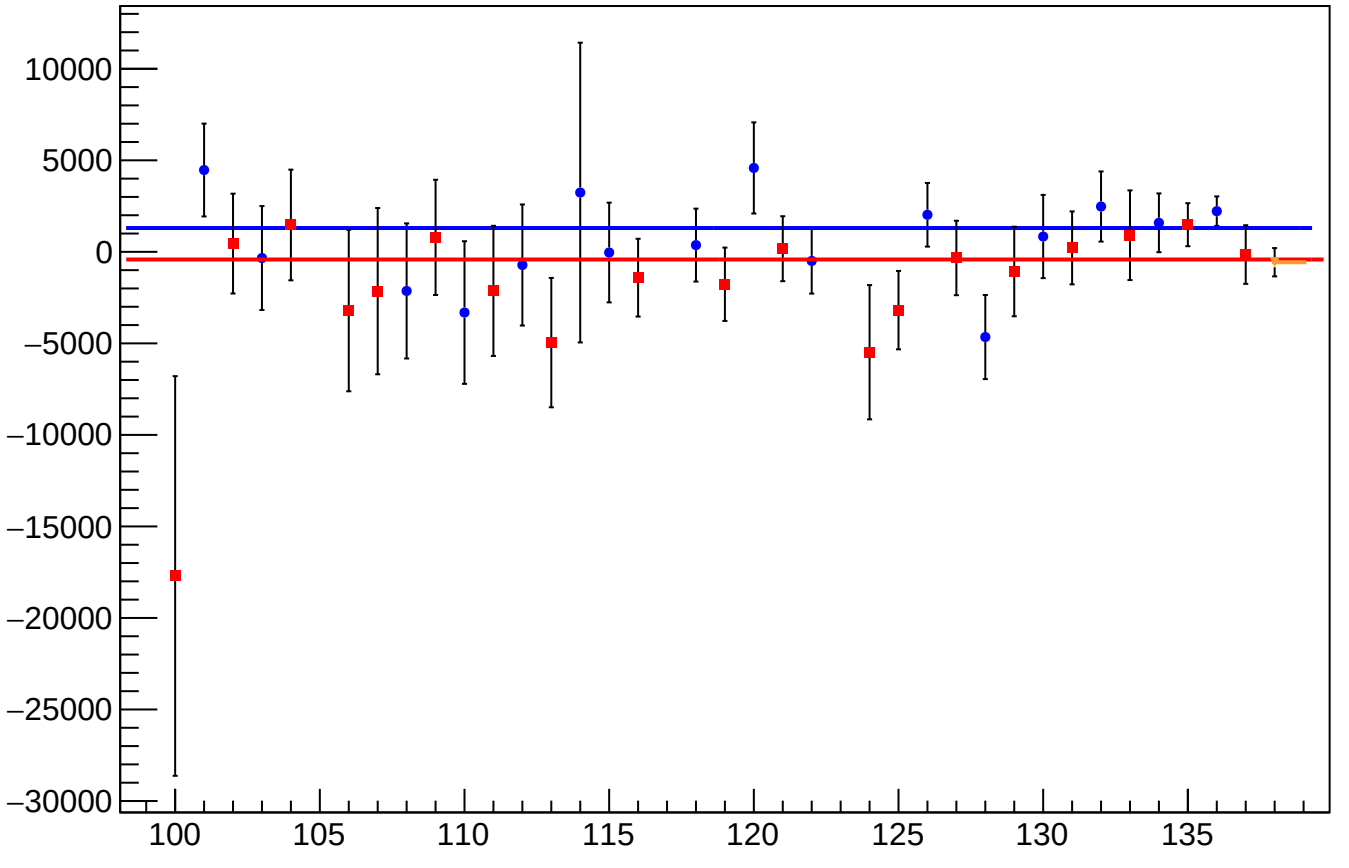
Left: 686.544+/-0.556 χ^2/NDF: 0.0/0

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 1224.470+/-0.347 χ^2/NDF:1959341.1/15

Out: 1134.021+/-0.308 χ^2/NDF:2931002.8/19

All: 1173.852+/-0.231 χ^2/NDF: 4928265.8/35



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: -566.552+/-773.216 χ^2/NDF:0.0/0

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

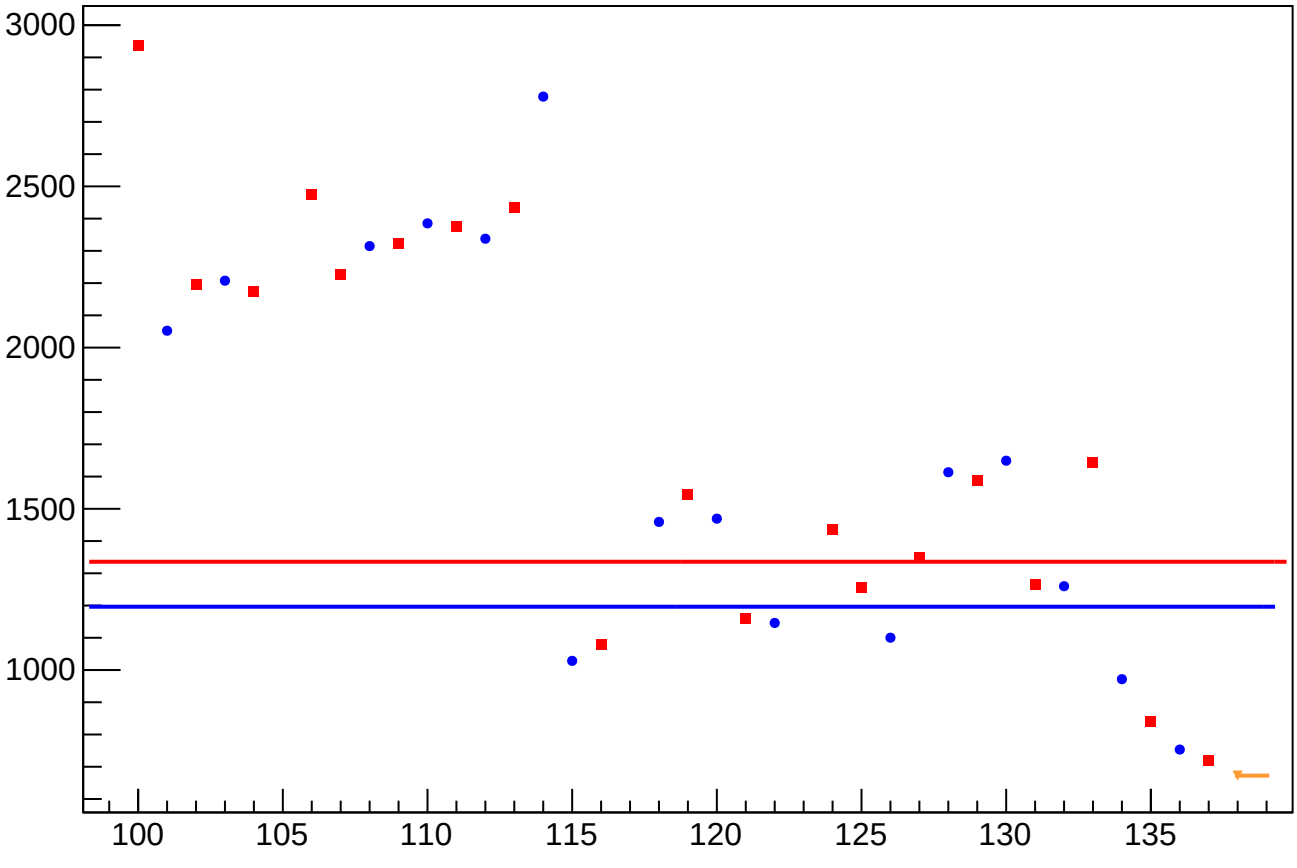
Left: -566.552+/-773.216 χ^2/NDF: 0.0/0

Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 1301.623+/-481.959 χ^2/NDF:16.5/15

Out: -465.009+/-434.067 χ^2/NDF:13.1/19

All: 326.196+/-322.538 χ^2/NDF: 37.0/35



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 672.493+/-0.547 χ^2/NDF:0.0/0

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

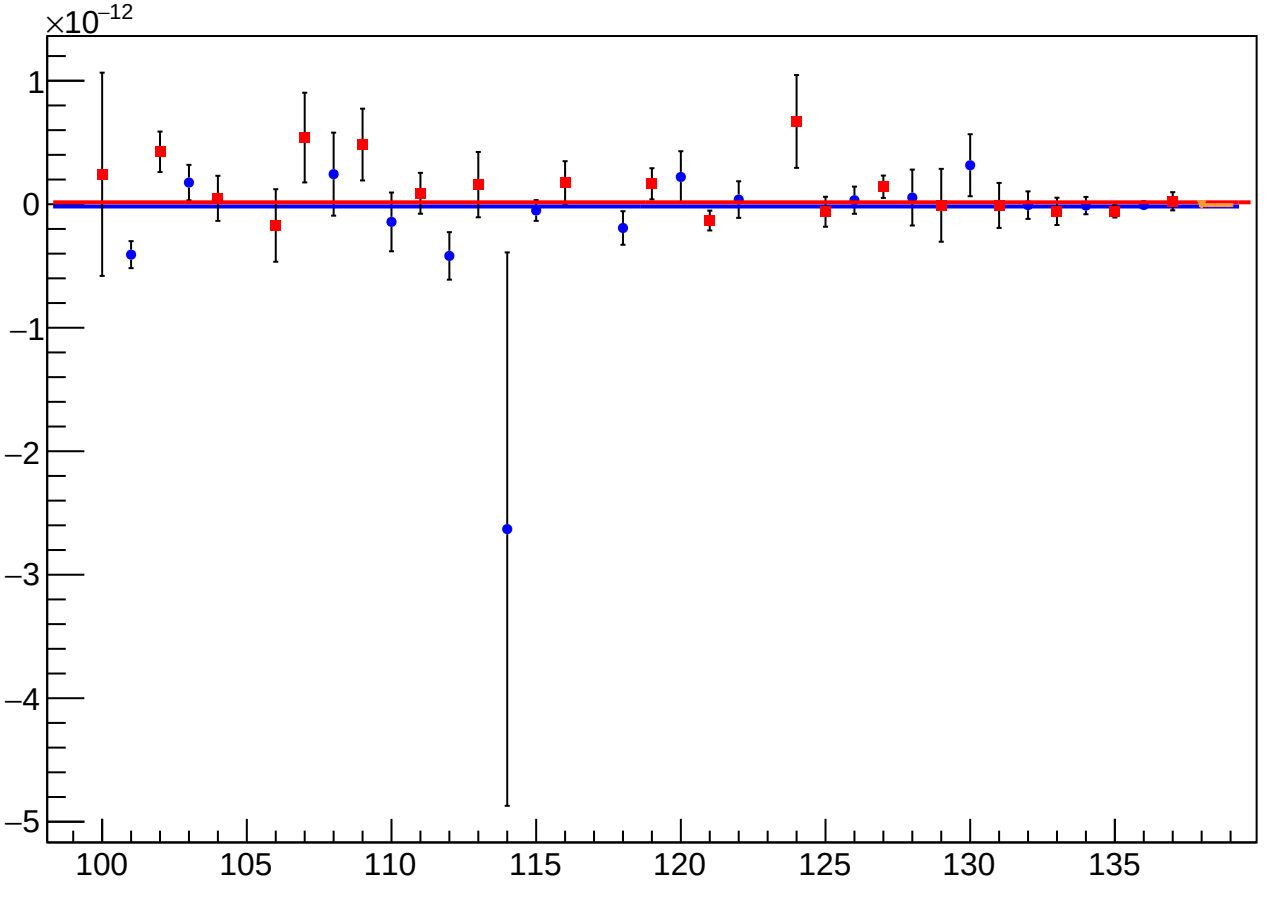
Left: 672.493+/-0.547 χ^2/NDF: 0.0/0

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 1196.353+/-0.341 χ^2/NDF:2031710.2/15

Out: 1126.767+/-0.307 χ^2/NDF:2959487.5/19

All: 1157.932+/-0.228 χ^2/NDF: 5014217.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

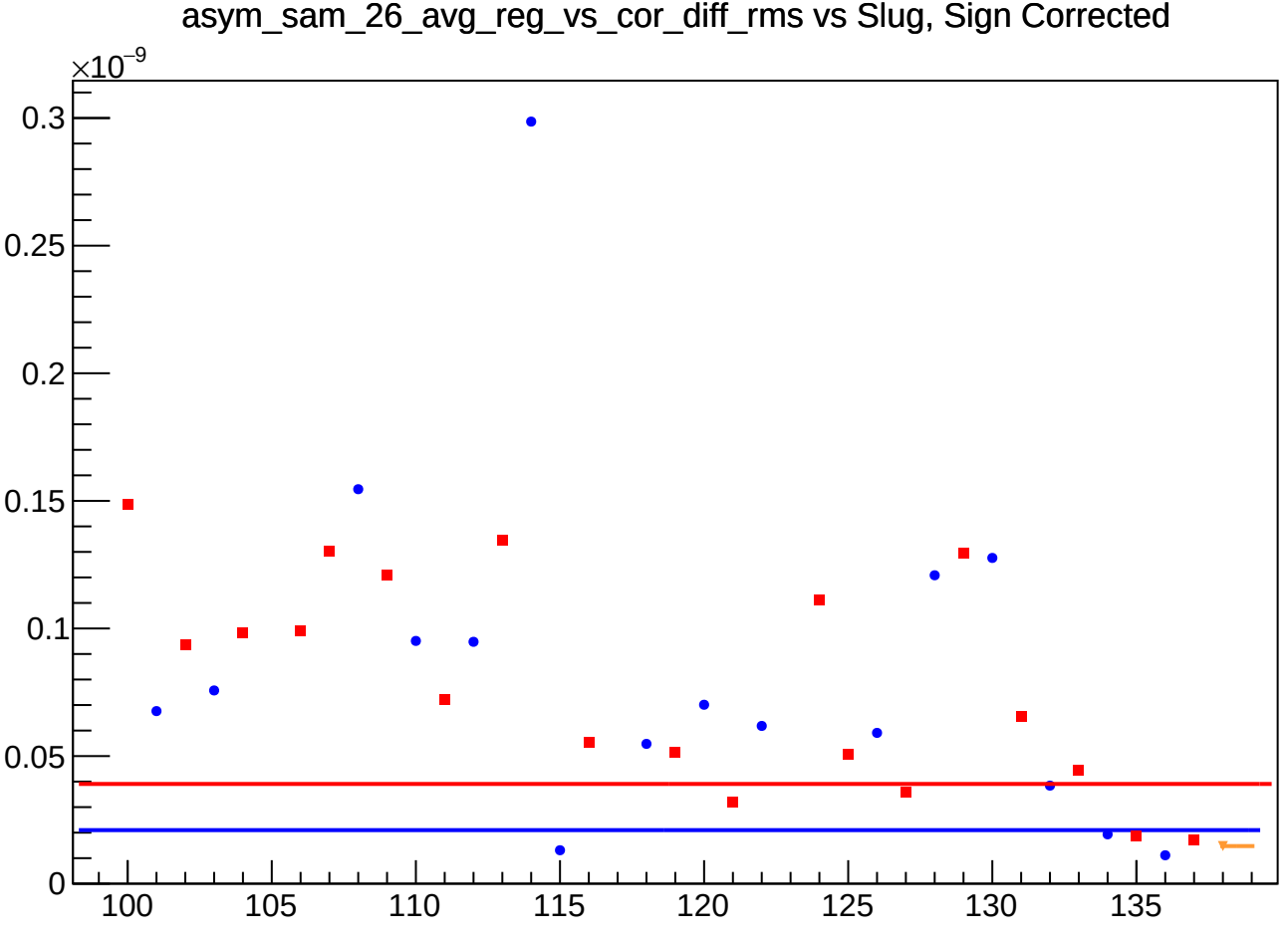
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:26.8/15

Out: 0.000+/-0.000 χ^2/NDF:26.0/19

All: -0.000+/-0.000 χ^2/NDF: 53.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

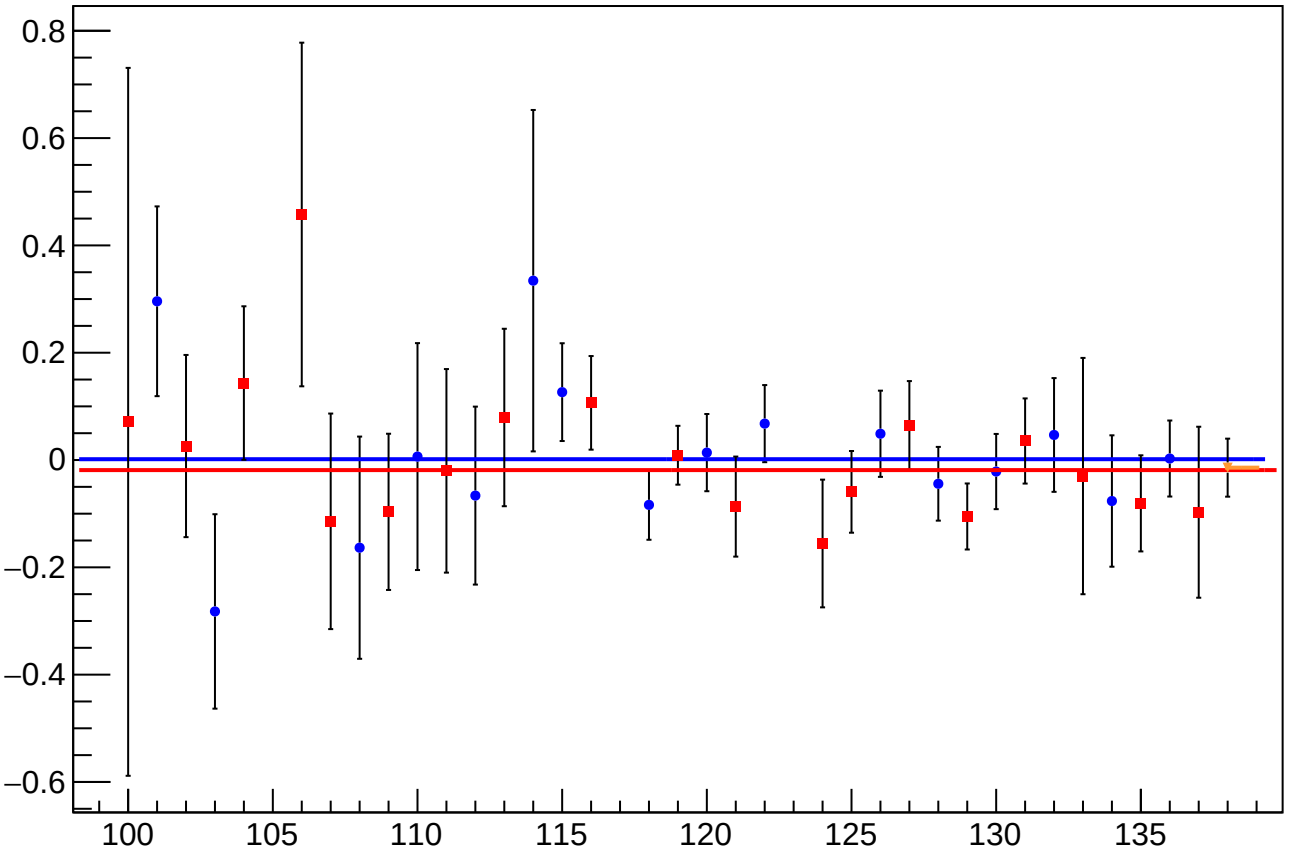
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:3380958.5/15

Out: 0.000+/-0.000 χ^2/NDF:2932447.3/19

All: 0.000+/-0.000 χ^2/NDF: 6379938.1/35



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.014+/-0.054 χ^2/NDF:0.0/0

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

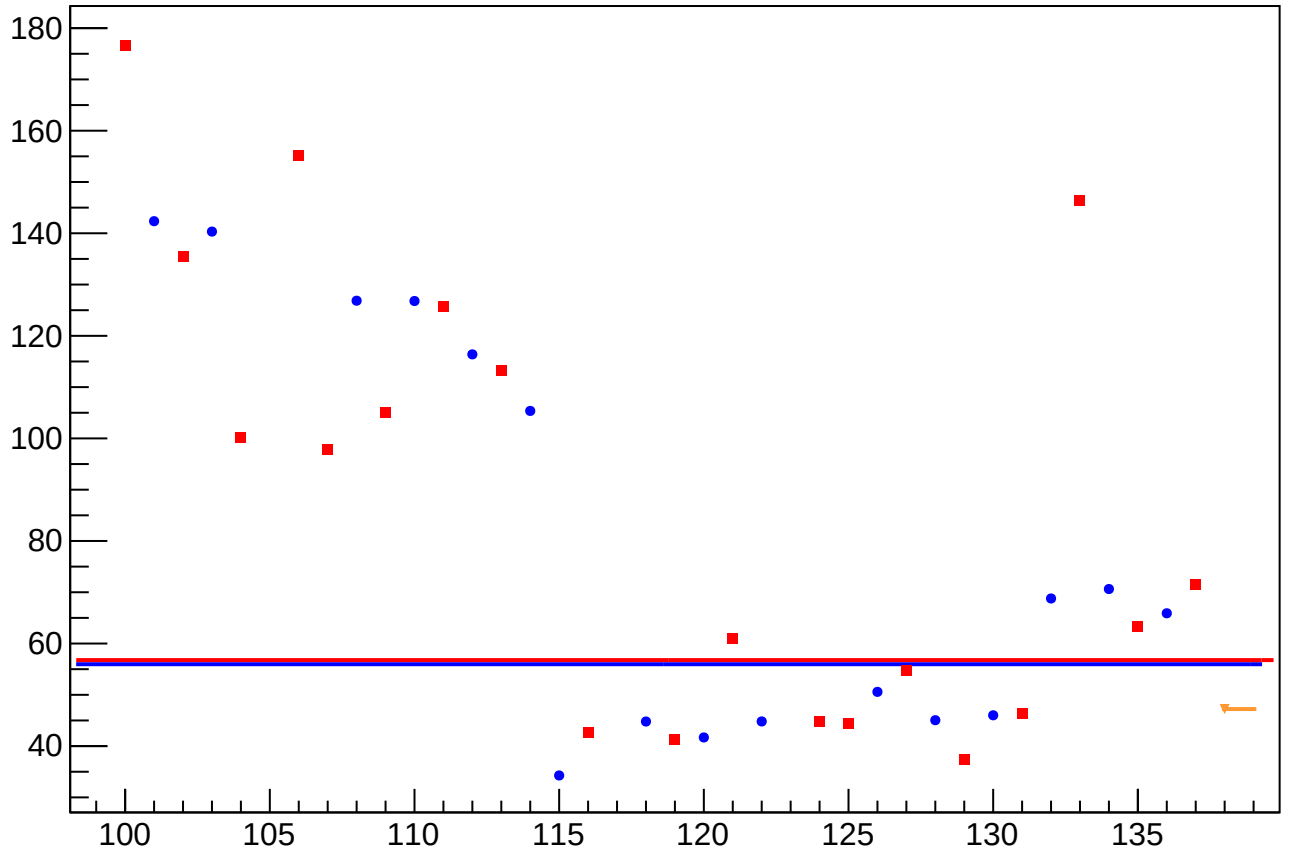
Left: -0.014+/-0.054 χ^2/NDF: 0.0/0

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.002+/-0.023 χ^2/NDF:13.1/15

Out: -0.018+/-0.022 χ^2/NDF:13.1/19

All: -0.009+/-0.016 χ^2/NDF: 26.6/35



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 47.226+/-0.038 χ^2/NDF:0.0/0

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 47.226+/-0.038 χ^2/NDF: 0.0/0

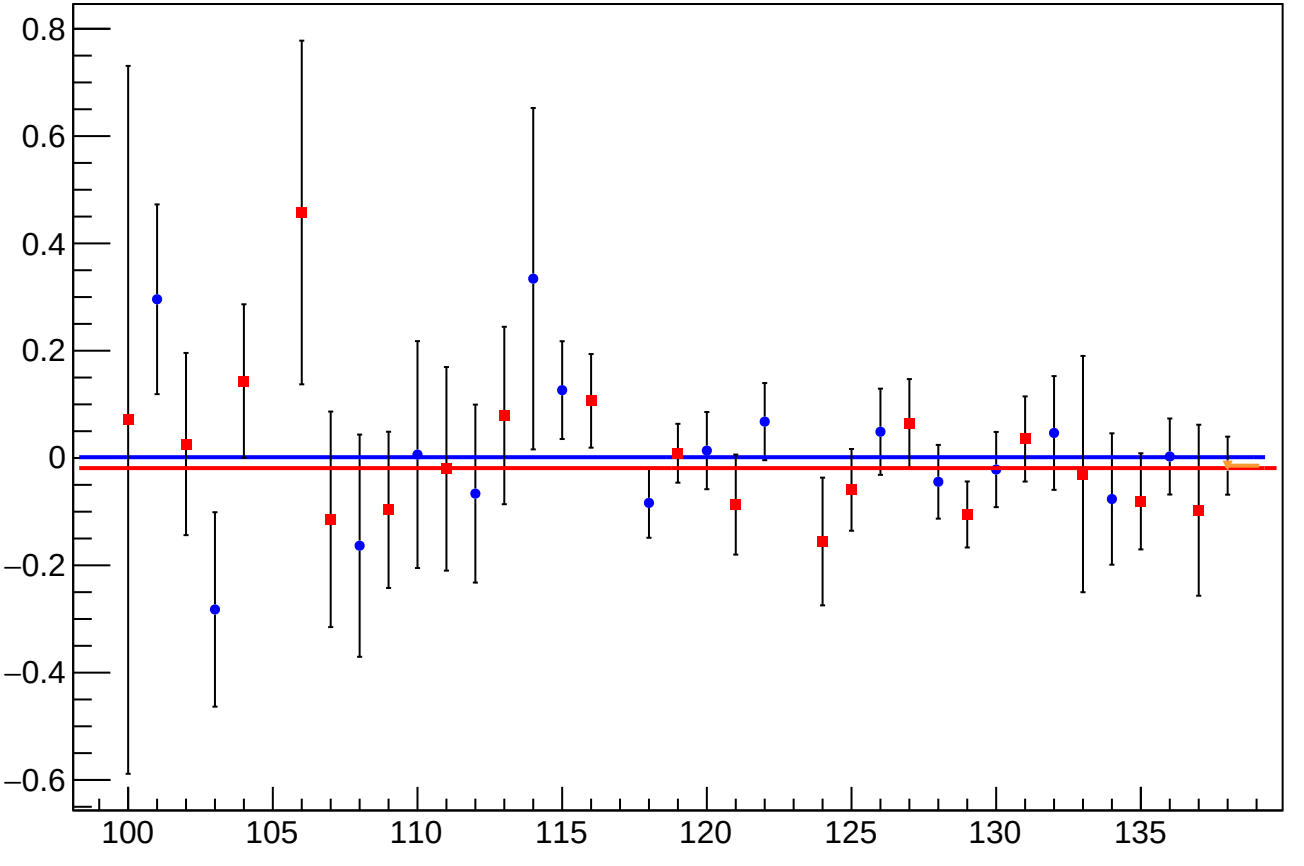
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.968+/-0.017 χ^2/NDF:2179829.3/15

Out: 55.252+/-0.015 χ^2/NDF:2605624.0/19

All: 55.581+/-0.011 χ^2/NDF: 4786465.0/35

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.014+/-0.054 χ^2/NDF:0.0/0

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

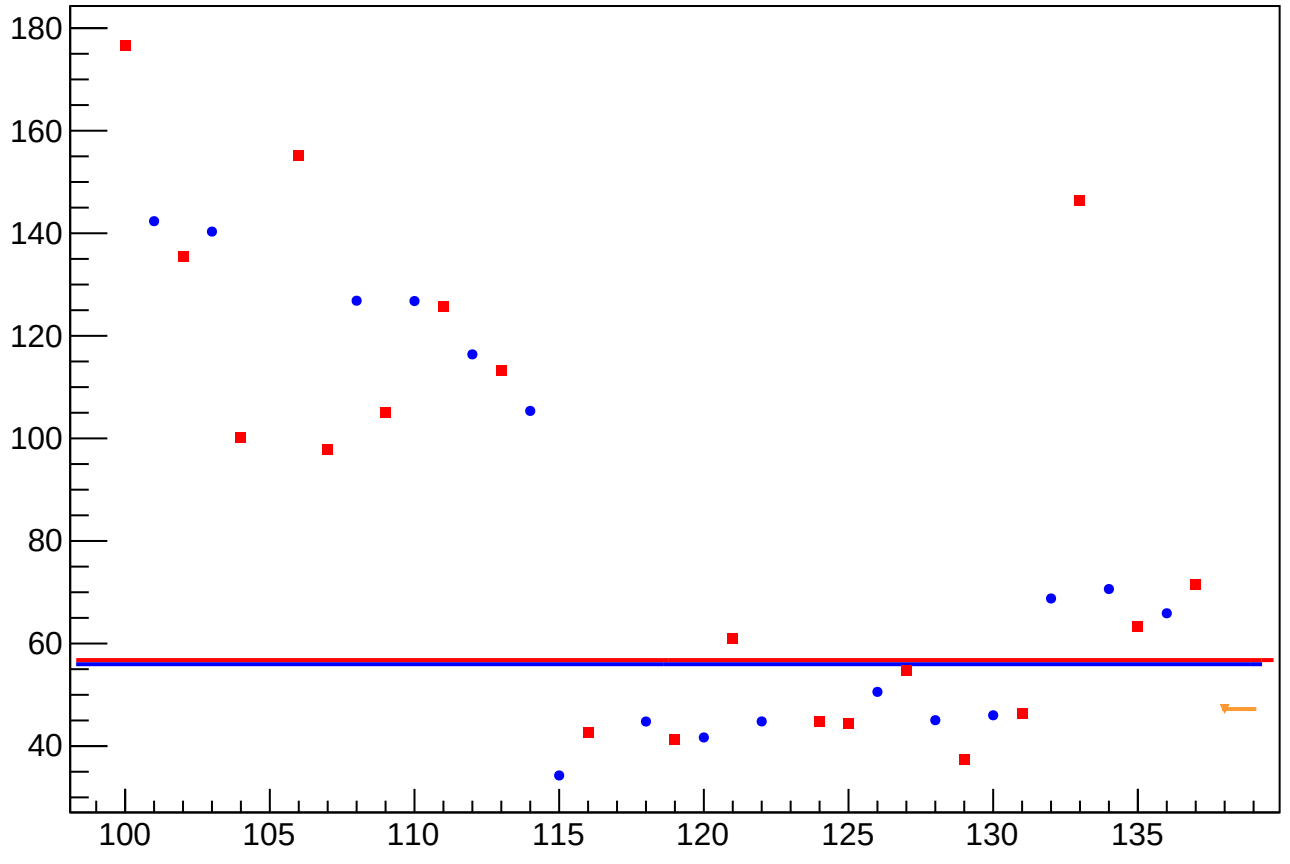
Left: -0.014+/-0.054 χ^2/NDF: 0.0/0

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.002+/-0.023 χ^2/NDF:13.1/15

Out: -0.018+/-0.022 χ^2/NDF:13.1/19

All: -0.009+/-0.016 χ^2/NDF: 26.6/35



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 47.226+/-0.038 χ^2/NDF:0.0/0

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

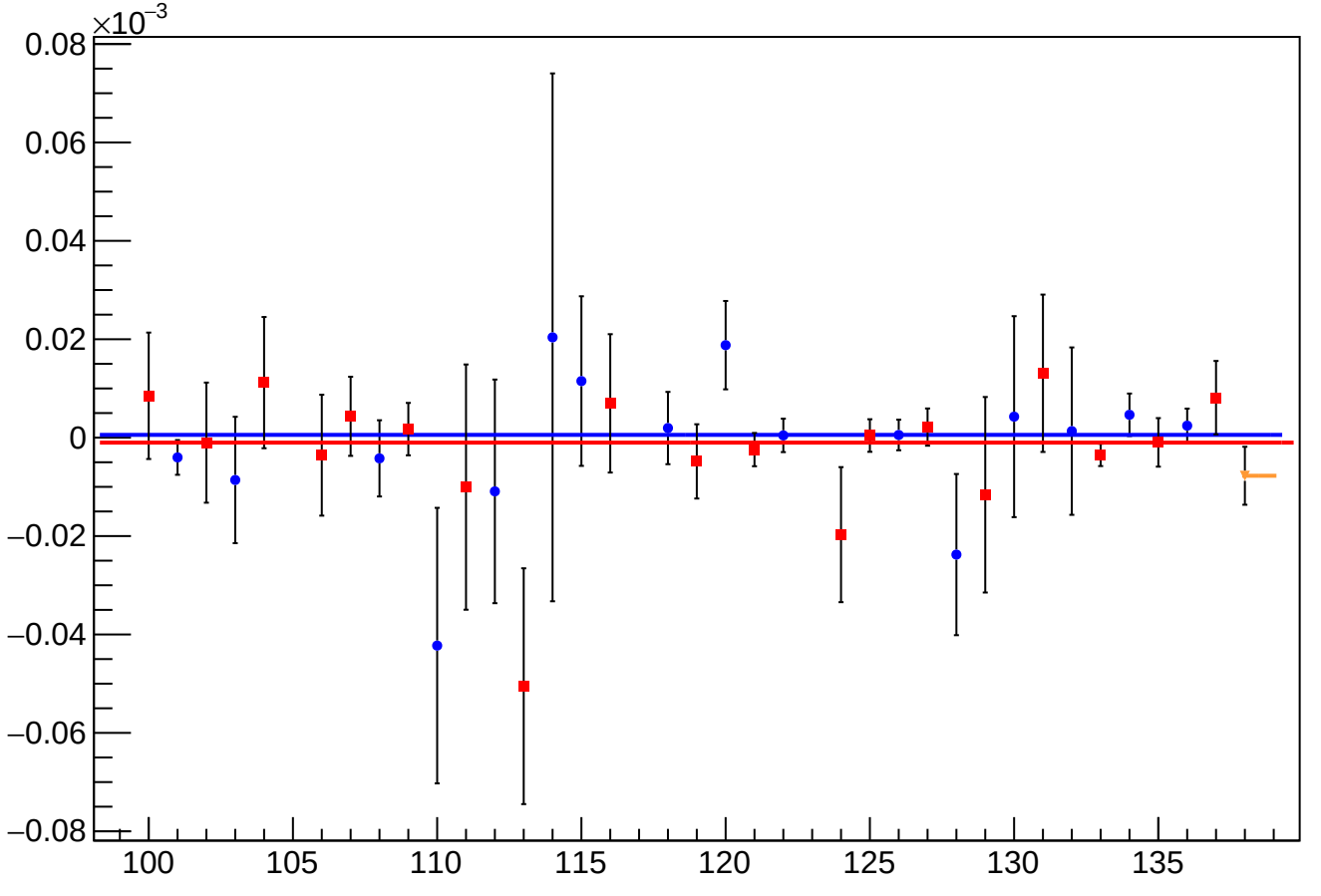
Left: 47.226+/-0.038 χ^2/NDF: 0.0/0

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.968+/-0.017 χ^2/NDF:2179829.3/15

Out: 55.252+/-0.015 χ^2/NDF:2605624.0/19

All: 55.581+/-0.011 χ^2/NDF: 4786465.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

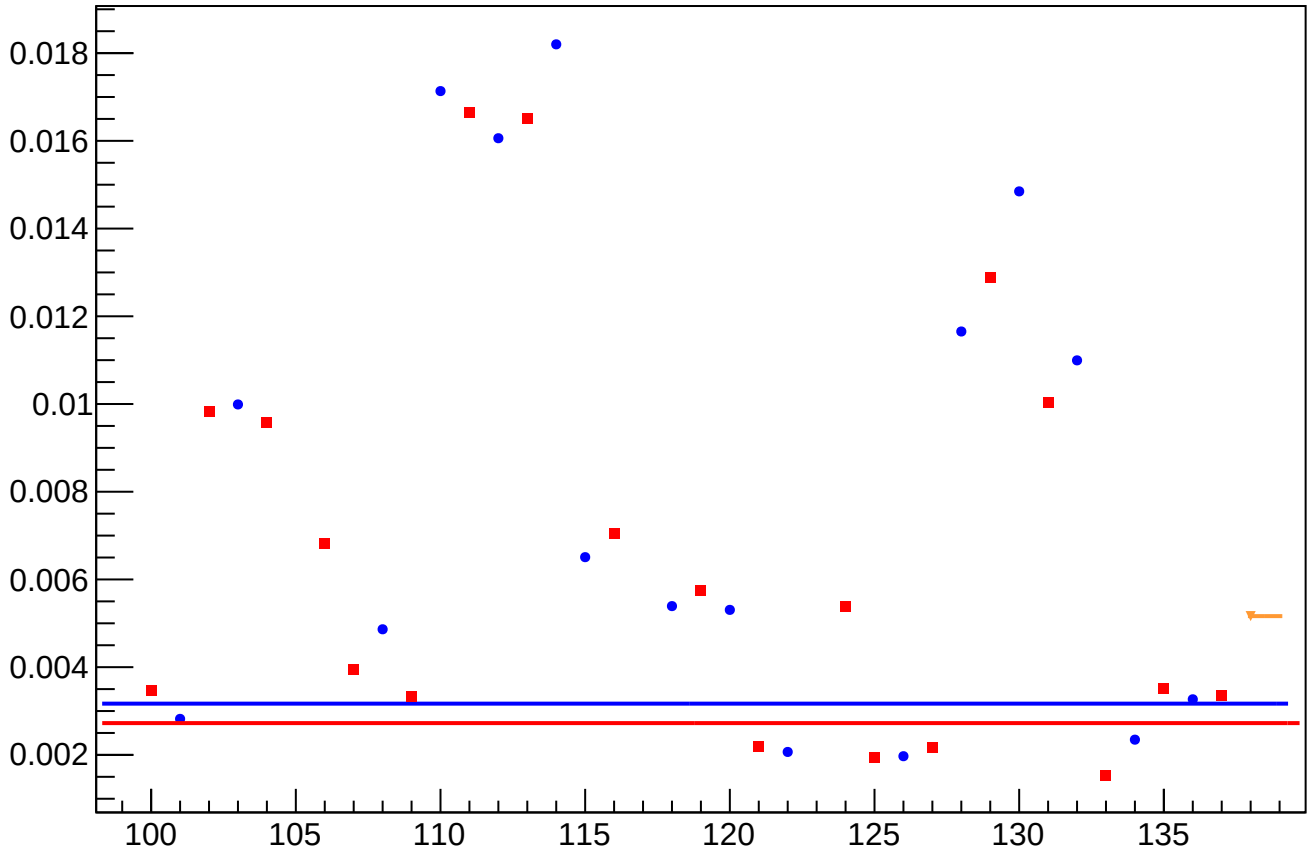
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

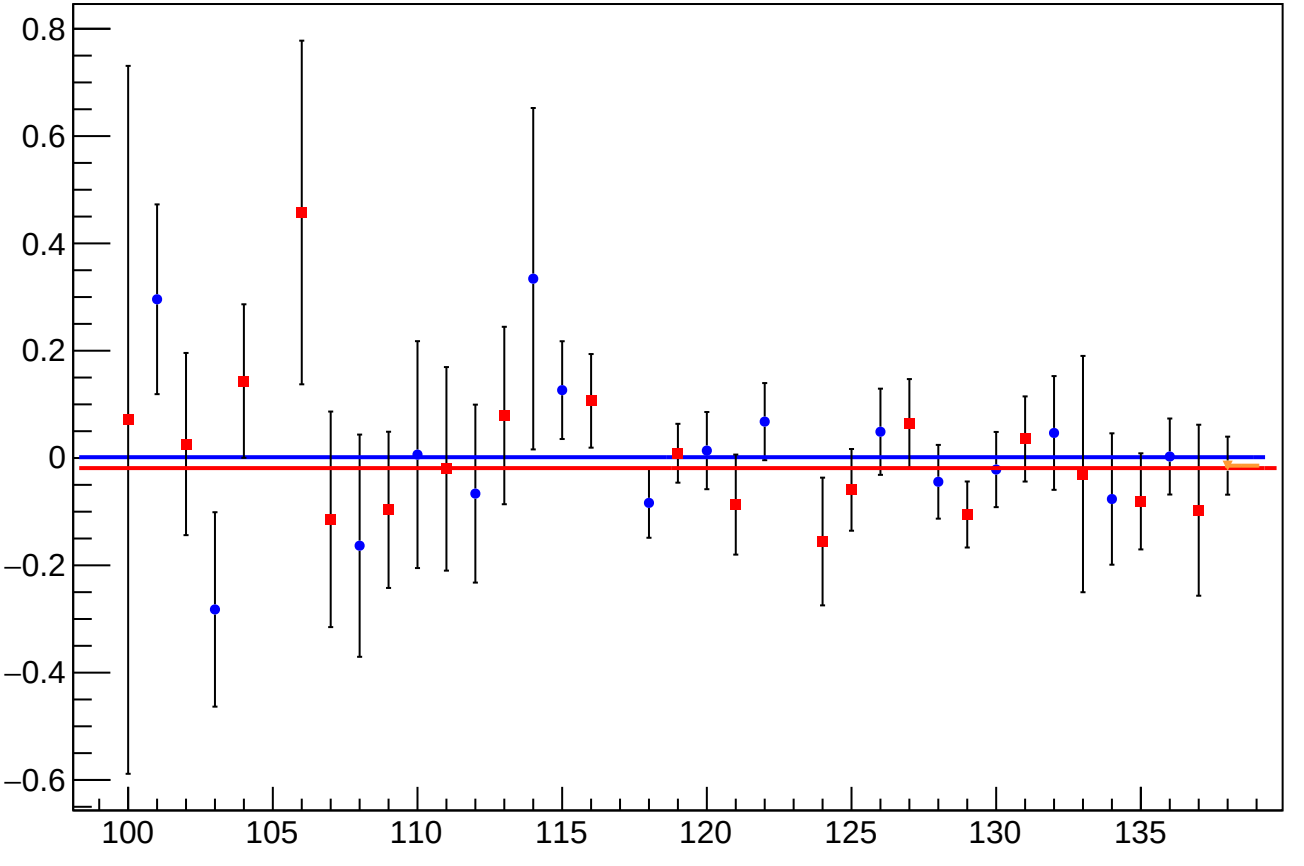
In: 0.000+/-0.000 χ^2/NDF:13.3/15

Out: -0.000+/-0.000 χ^2/NDF:15.1/19

All: -0.000+/-0.000 χ^2/NDF: 29.3/35


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
Right In: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.005+/-0.000 χ²/NDF:0.0/0
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.005+/-0.000 χ²/NDF: 0.0/0
Right: 0.003+/-0.000 χ²/NDF: 9804761.7/34
In: 0.003+/-0.000 χ²/NDF:4545616.6/15
Out: 0.003+/-0.000 χ²/NDF:5480655.7/19
All: 0.003+/-0.000 χ²/NDF: 10087763.8/35

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: -0.014+/-0.054 χ^2/NDF:0.0/0

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

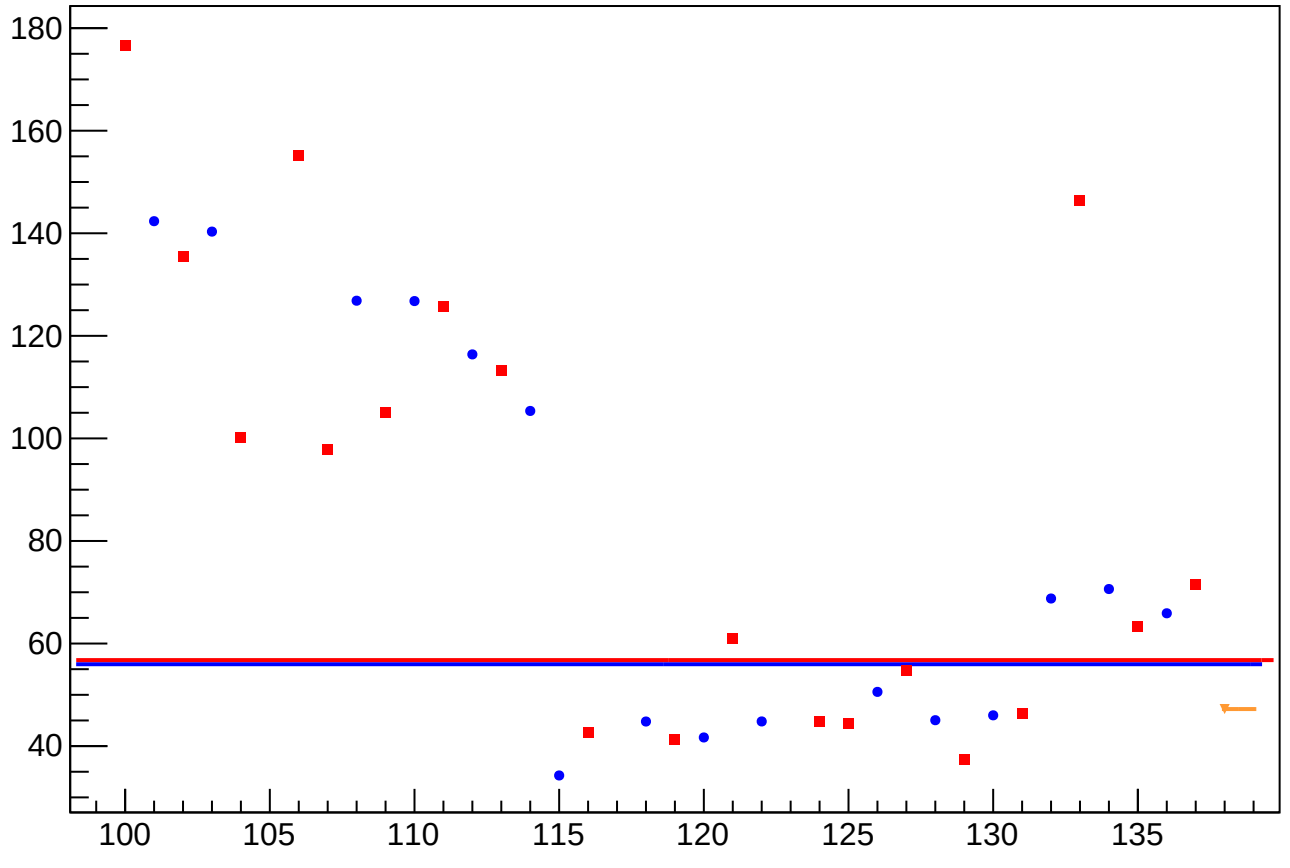
Left: -0.014+/-0.054 χ^2/NDF: 0.0/0

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.002+/-0.023 χ^2/NDF:13.1/15

Out: -0.018+/-0.022 χ^2/NDF:13.1/19

All: -0.009+/-0.016 χ^2/NDF: 26.6/35



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 47.225+/-0.038 χ^2/NDF:0.0/0

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

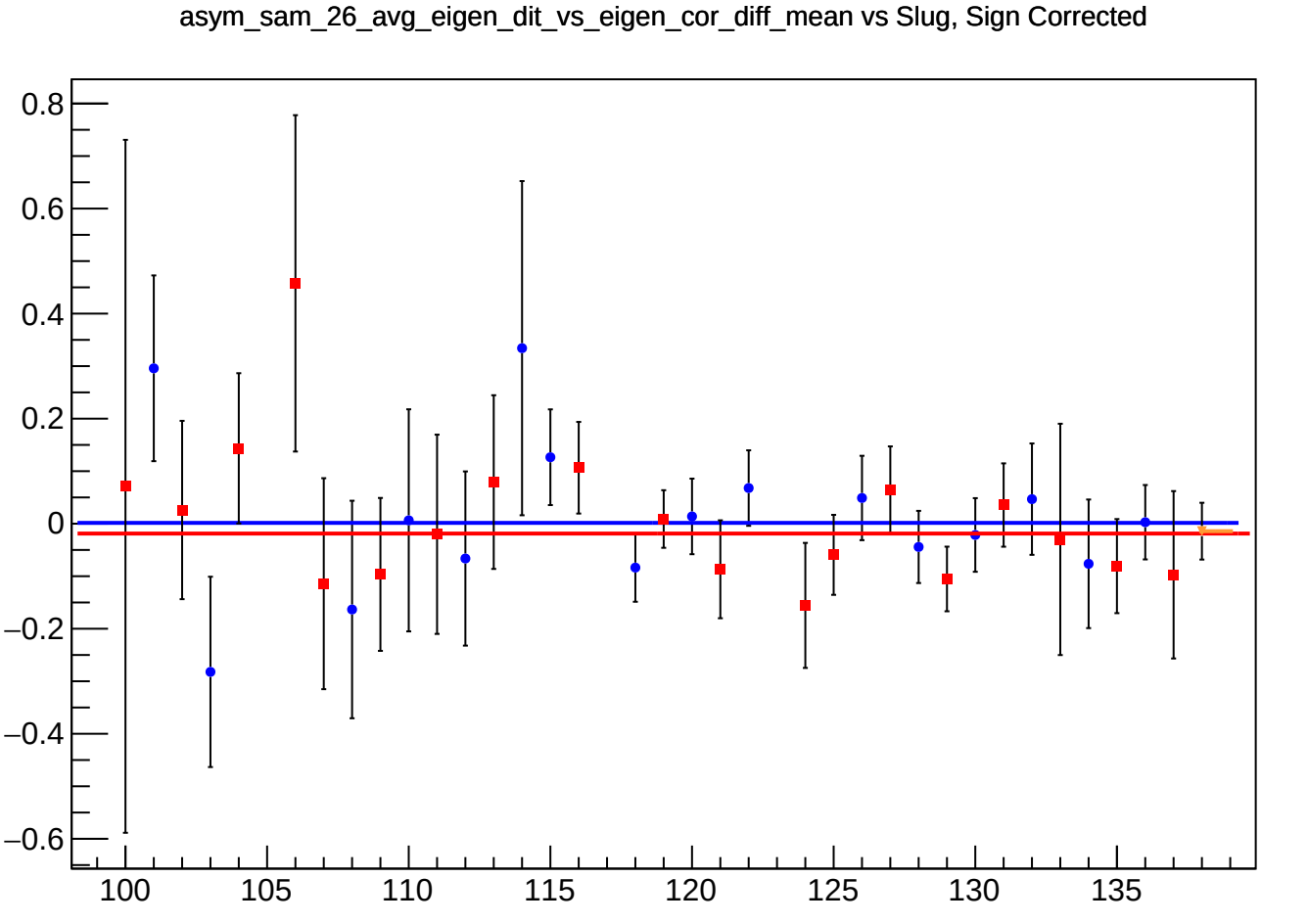
Left: 47.225+/-0.038 χ^2/NDF: 0.0/0

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.968+/-0.017 χ^2/NDF:2179757.6/15

Out: 55.252+/-0.015 χ^2/NDF:2605567.7/19

All: 55.580+/-0.011 χ^2/NDF: 4786337.4/35



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.014+/-0.054 χ^2/NDF:0.0/0

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.014+/-0.054 χ^2/NDF: 0.0/0

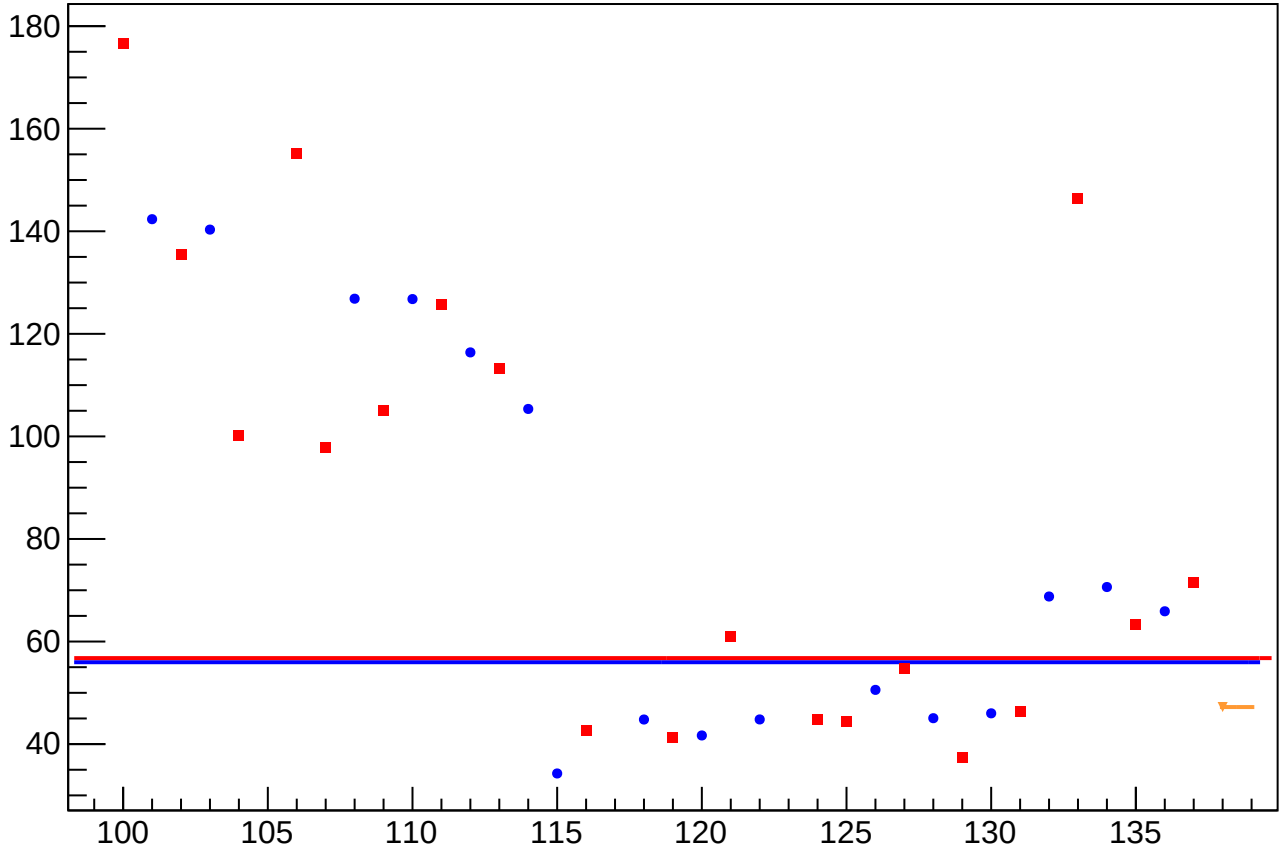
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.002+/-0.023 χ^2/NDF:13.1/15

Out: -0.018+/-0.022 χ^2/NDF:13.1/19

All: -0.009+/-0.016 χ^2/NDF: 26.6/35

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: 47.225+/-0.038 χ^2/NDF:0.0/0

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

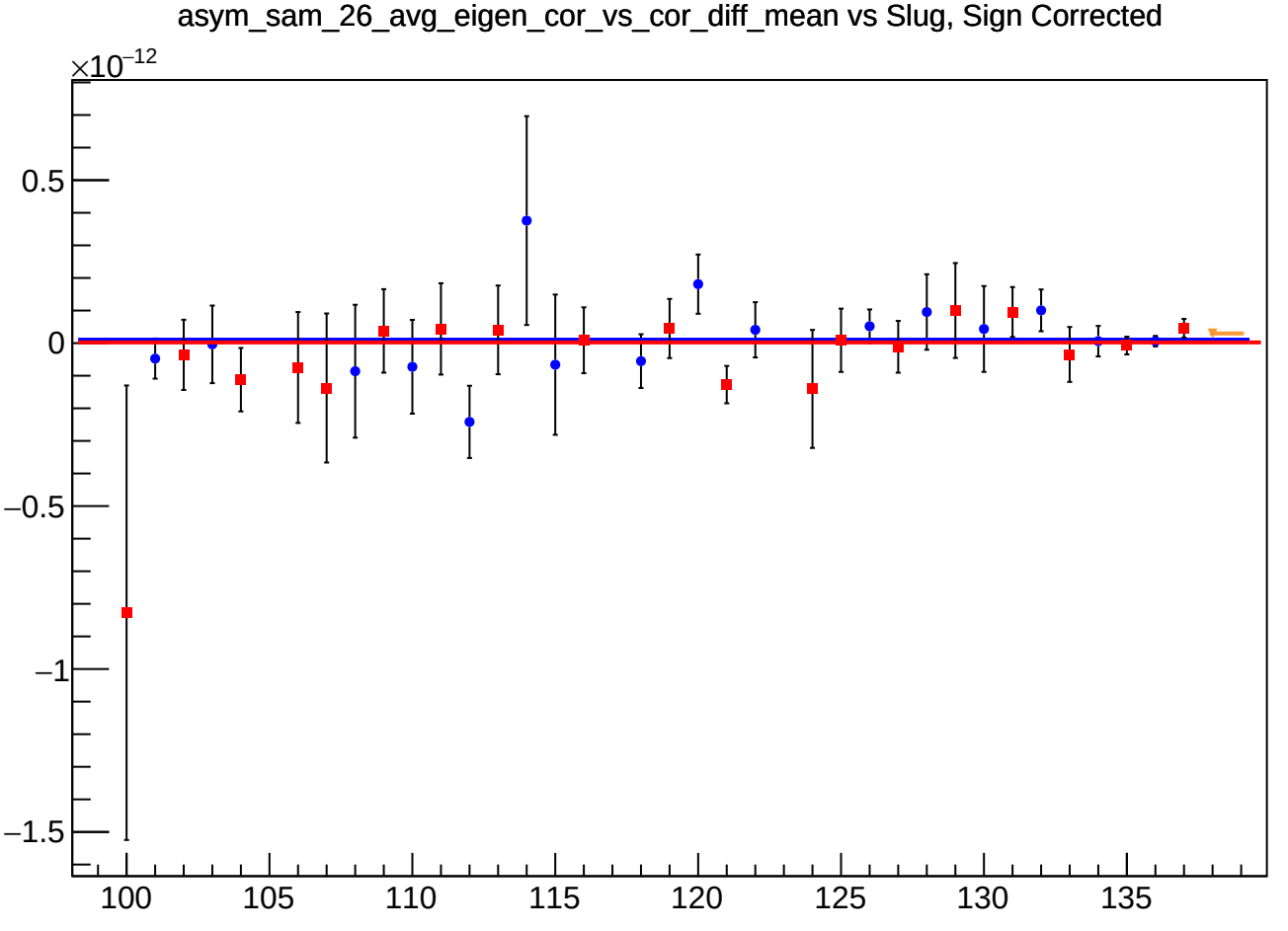
Left: 47.225+/-0.038 χ^2/NDF: 0.0/0

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.968+/-0.017 χ^2/NDF:2179757.6/15

Out: 55.252+/-0.015 χ^2/NDF:2605567.7/19

All: 55.580+/-0.011 χ^2/NDF: 4786337.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

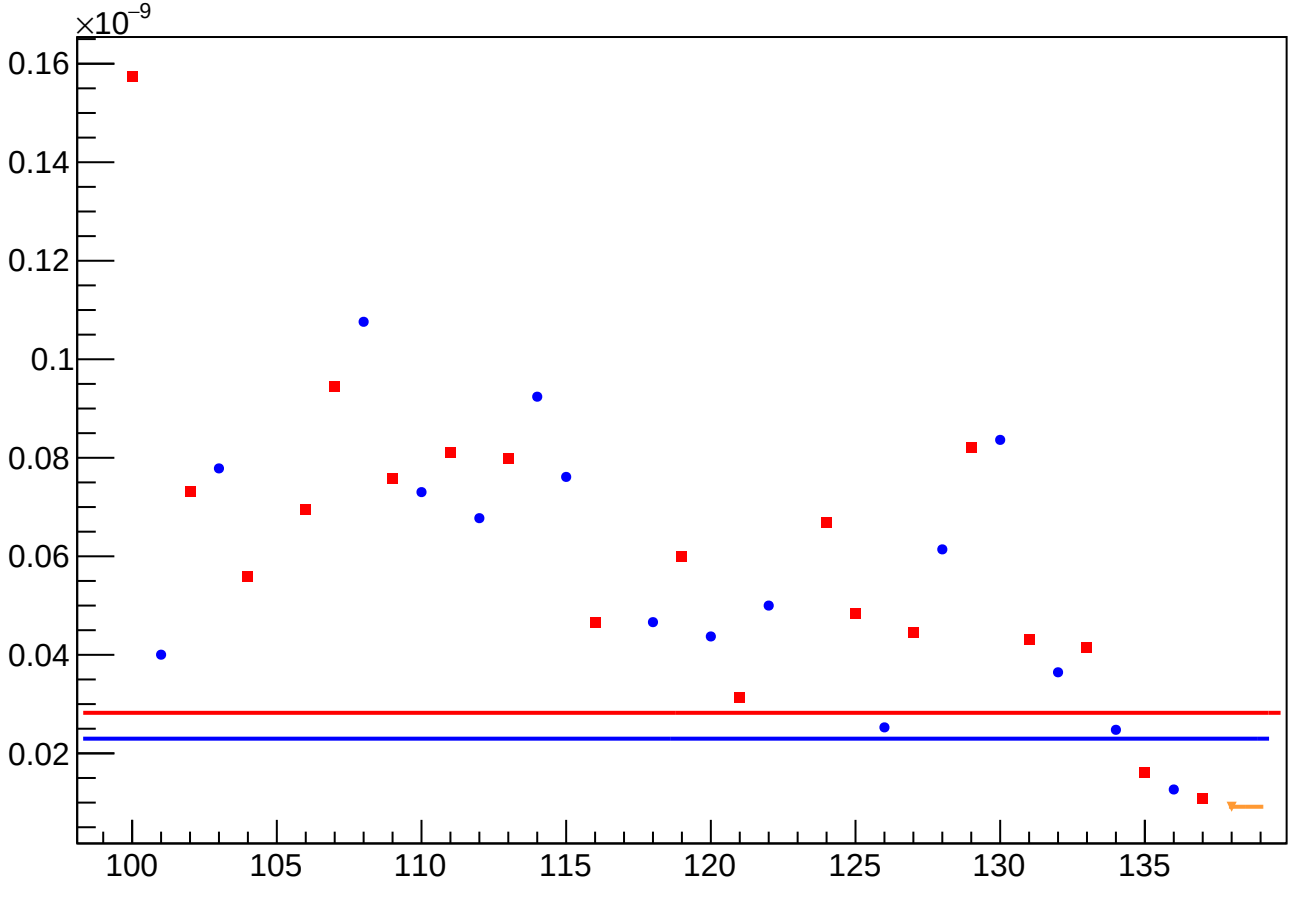
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:15.7/15

Out: 0.000+/-0.000 χ^2/NDF:16.1/19

All: 0.000+/-0.000 χ^2/NDF: 31.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

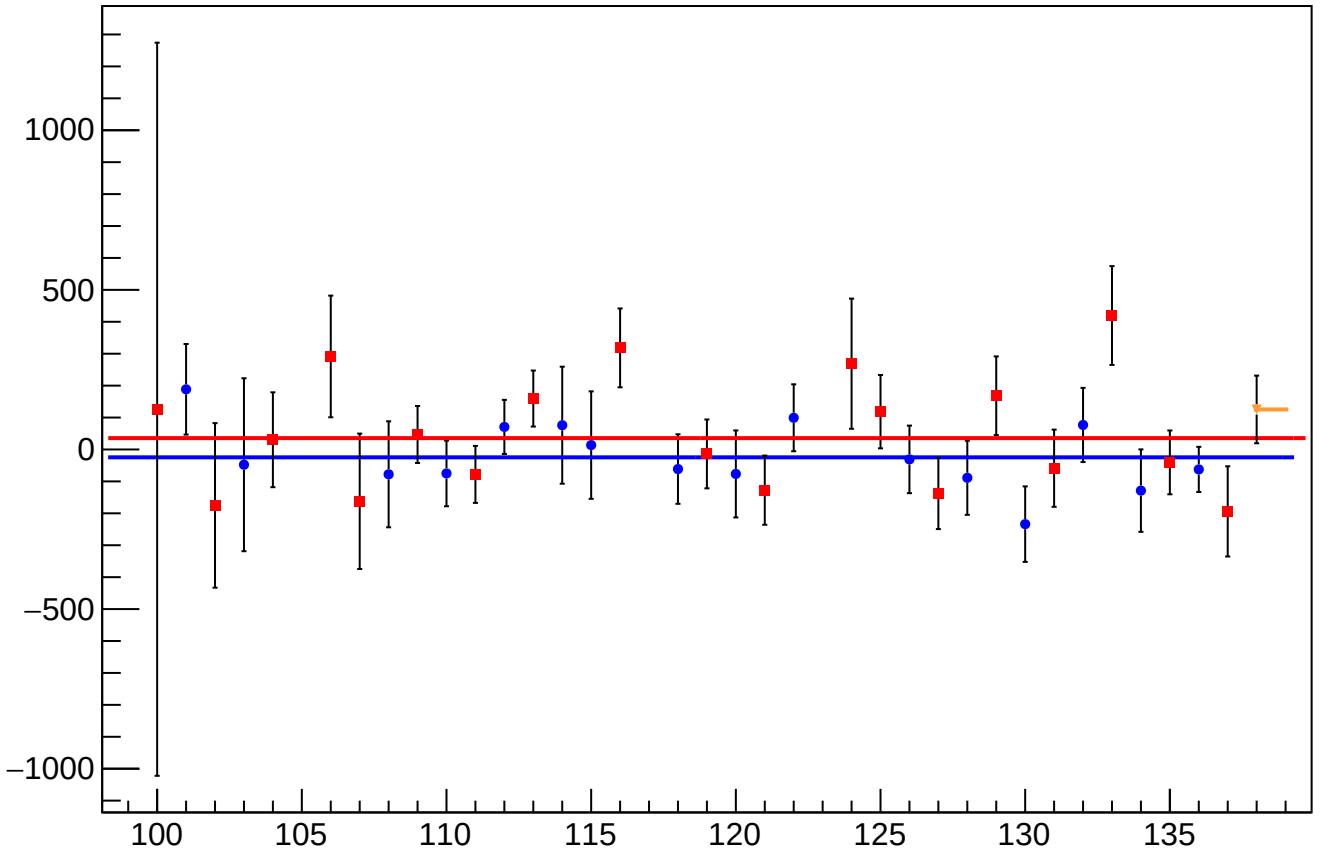
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:3731982.6/15

Out: 0.000+/-0.000 χ^2/NDF:5565492.1/19

All: 0.000+/-0.000 χ^2/NDF: 9542378.1/35



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 125.356+/-105.970 χ^2/NDF:0.0/0

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

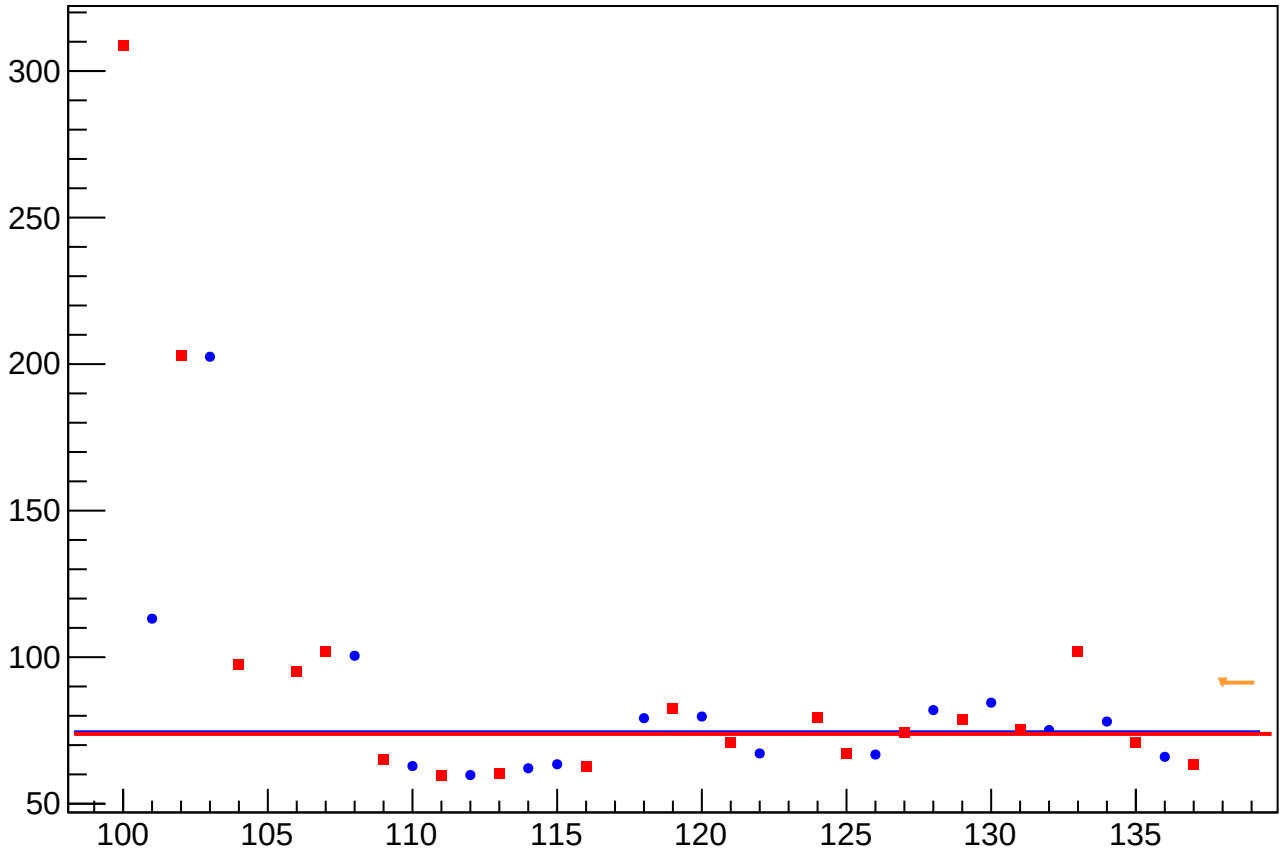
Left: 125.356+/-105.970 χ^2/NDF: 0.0/0

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: -24.632+/-28.913 χ^2/NDF:11.0/15

Out: 41.619+/-27.481 χ^2/NDF:30.8/19

All: 10.174+/-19.919 χ^2/NDF: 44.5/35



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 91.324+/-0.075 χ^2/NDF:0.0/0

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

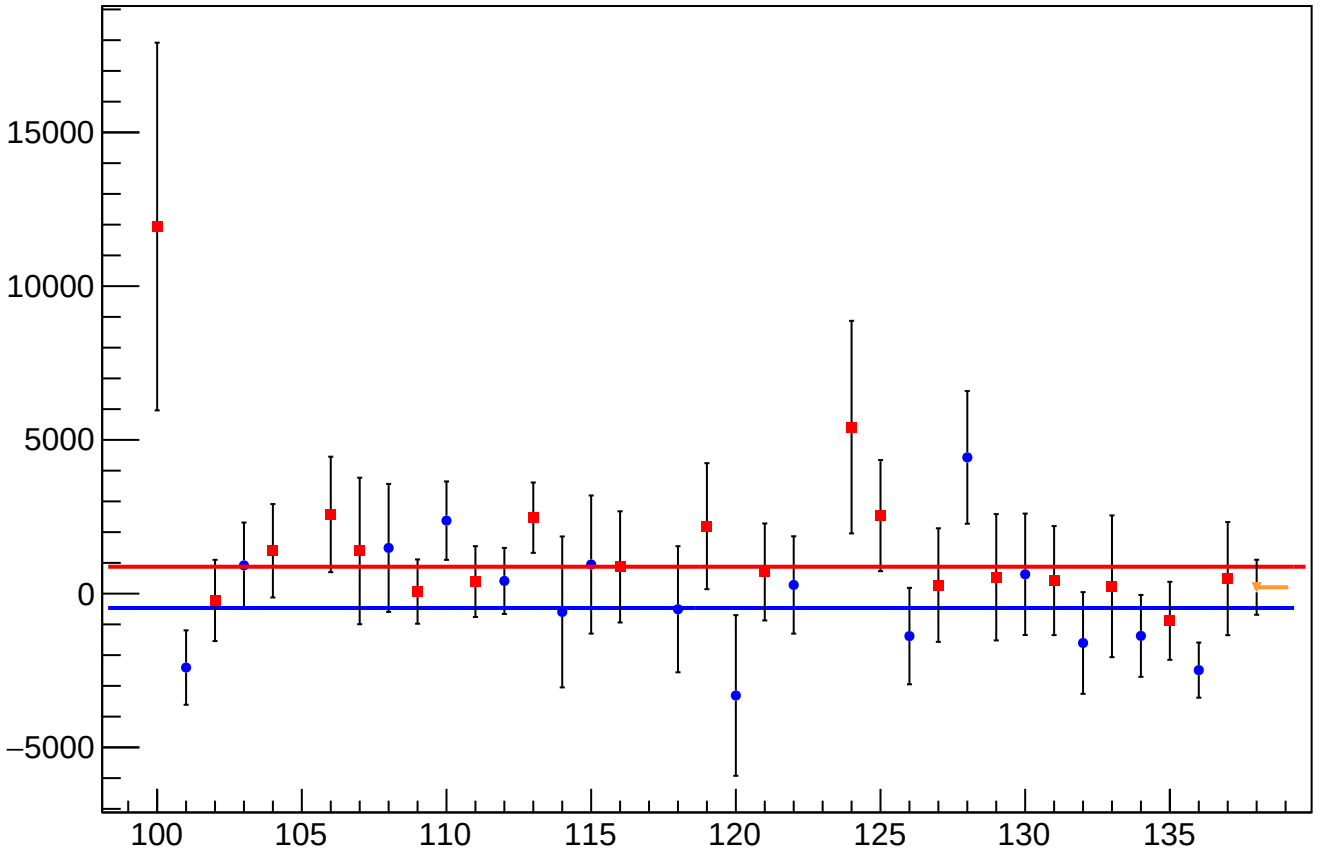
Left: 91.324+/-0.075 χ^2/NDF: 0.0/0

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 74.369+/-0.020 χ^2/NDF:827583.1/15

Out: 74.992+/-0.019 χ^2/NDF:982875.2/19

All: 74.696+/-0.014 χ^2/NDF: 1810946.9/35



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: 207.447+/-894.932 χ^2/NDF:0.0/0

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

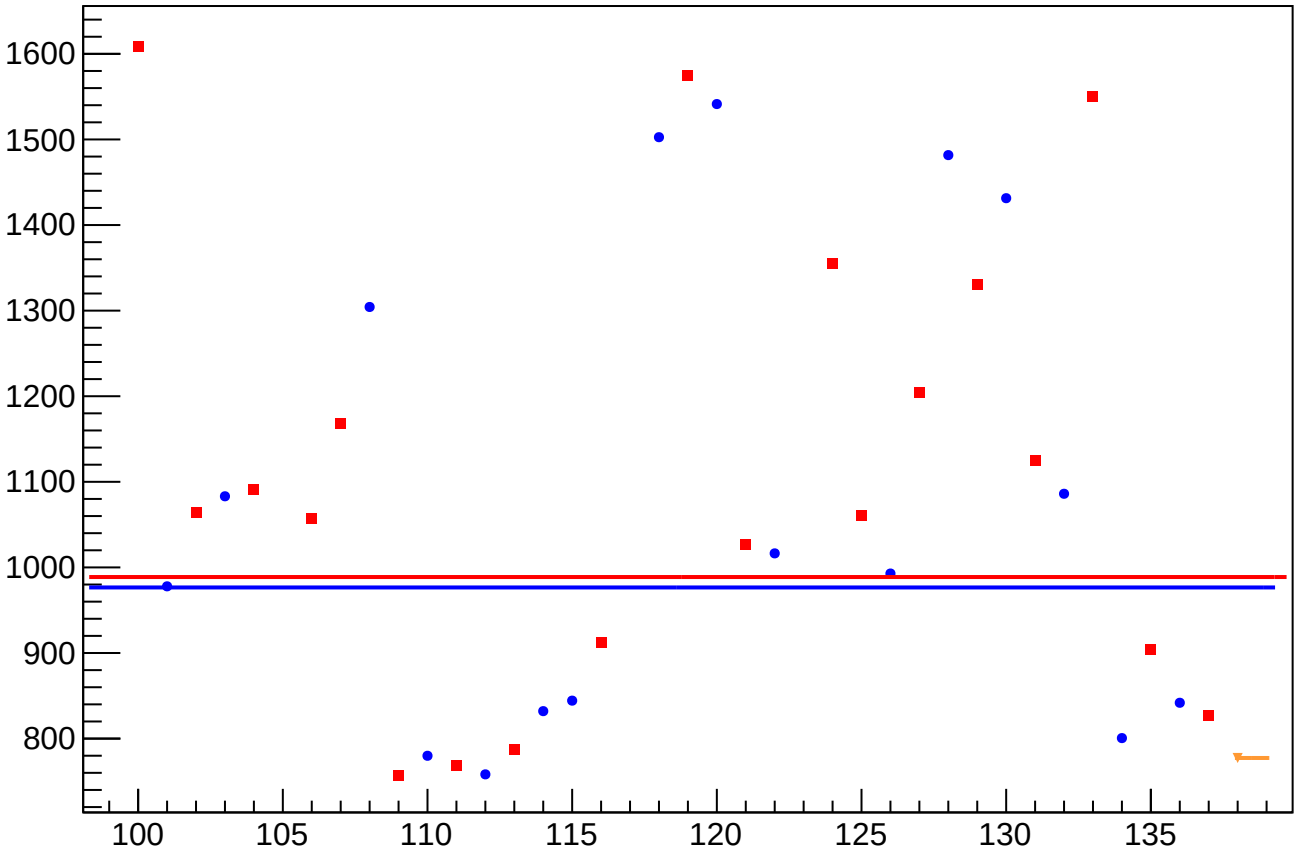
Left: 207.447+/-894.932 χ^2/NDF: 0.0/0

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -466.524+/-375.030 χ^2/NDF:23.7/15

Out: 776.842+/-343.694 χ^2/NDF:13.5/19

All: 209.267+/-253.383 χ^2/NDF: 43.2/35



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 777.357+/-0.633 χ^2/NDF:0.0/0

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

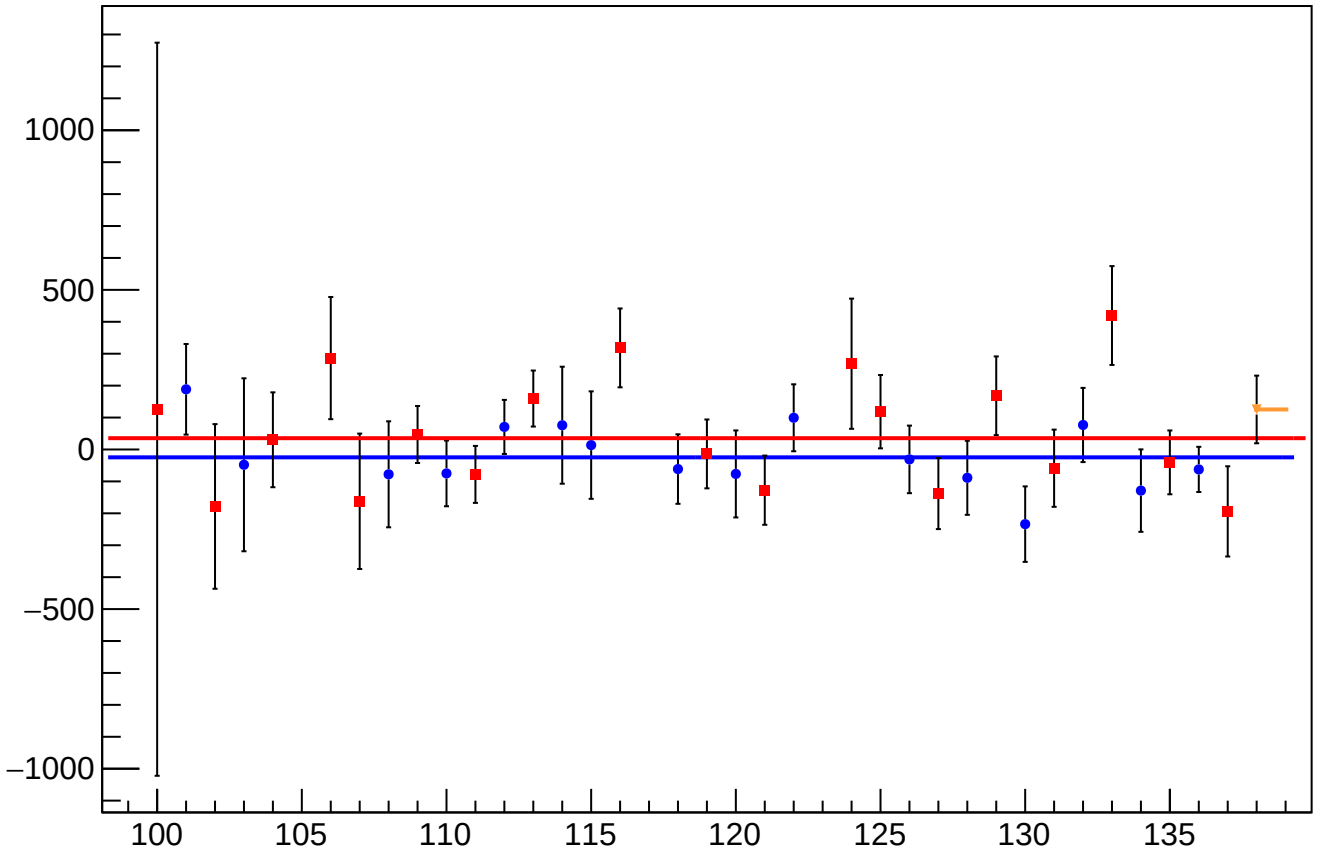
Left: 777.357+/-0.633 χ^2/NDF: 0.0/0

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 976.583+/-0.265 χ^2/NDF:736605.1/15

Out: 957.583+/-0.243 χ^2/NDF:810848.3/19

All: 966.256+/-0.179 χ^2/NDF: 1550243.5/35



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 125.356+/-105.970 χ^2/NDF:0.0/0

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

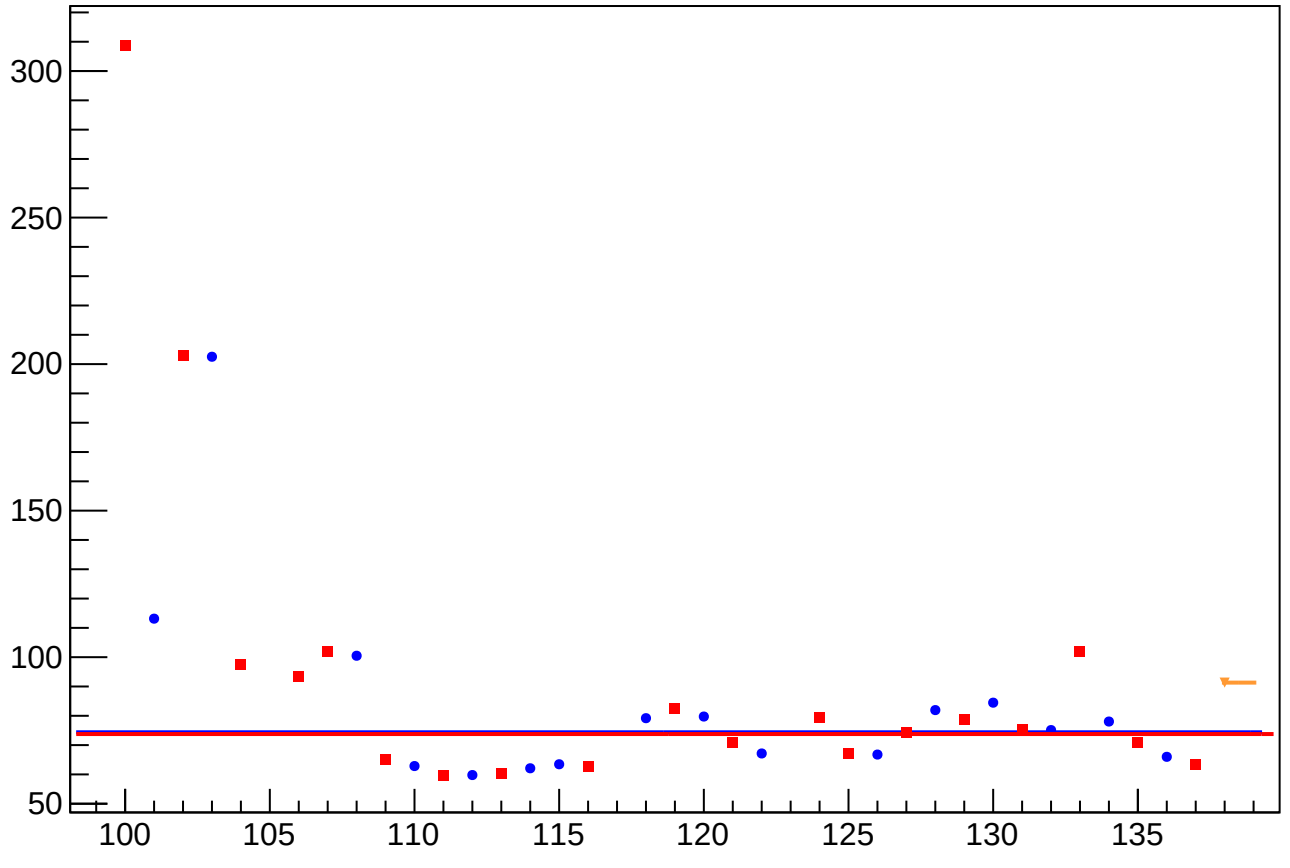
Left: 125.356+/-105.970 χ^2/NDF: 0.0/0

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: -24.640+/-28.913 χ^2/NDF:11.0/15

Out: 41.435+/-27.484 χ^2/NDF:30.7/19

All: 10.071+/-19.920 χ^2/NDF: 44.5/35



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 91.324+/-0.075 χ^2/NDF:0.0/0

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

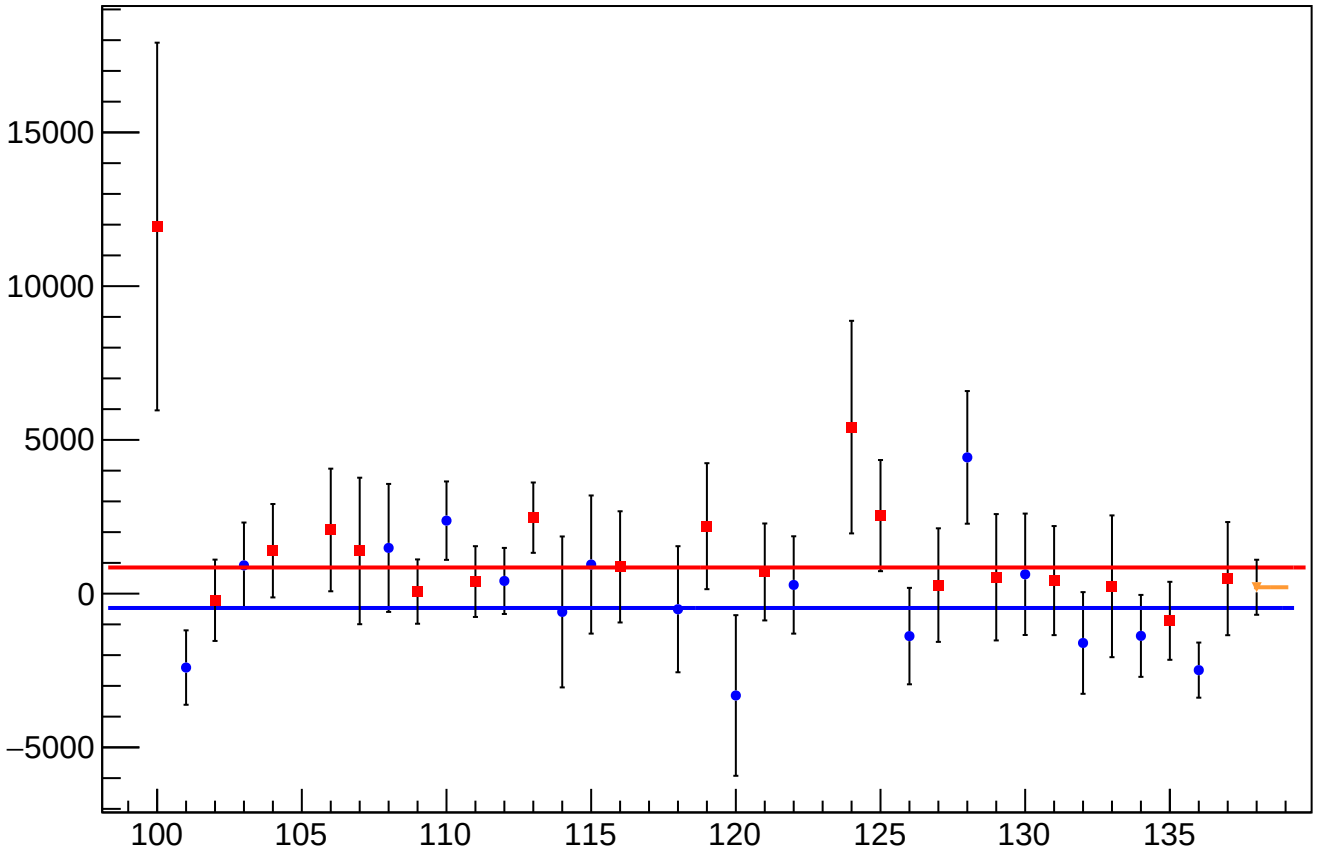
Left: 91.324+/-0.075 χ^2/NDF: 0.0/0

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 74.369+/-0.020 χ^2/NDF:827585.2/15

Out: 74.954+/-0.019 χ^2/NDF:979333.2/19

All: 74.676+/-0.014 χ^2/NDF: 1807348.0/35



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: 207.448+/-894.931 χ^2/NDF:0.0/0

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

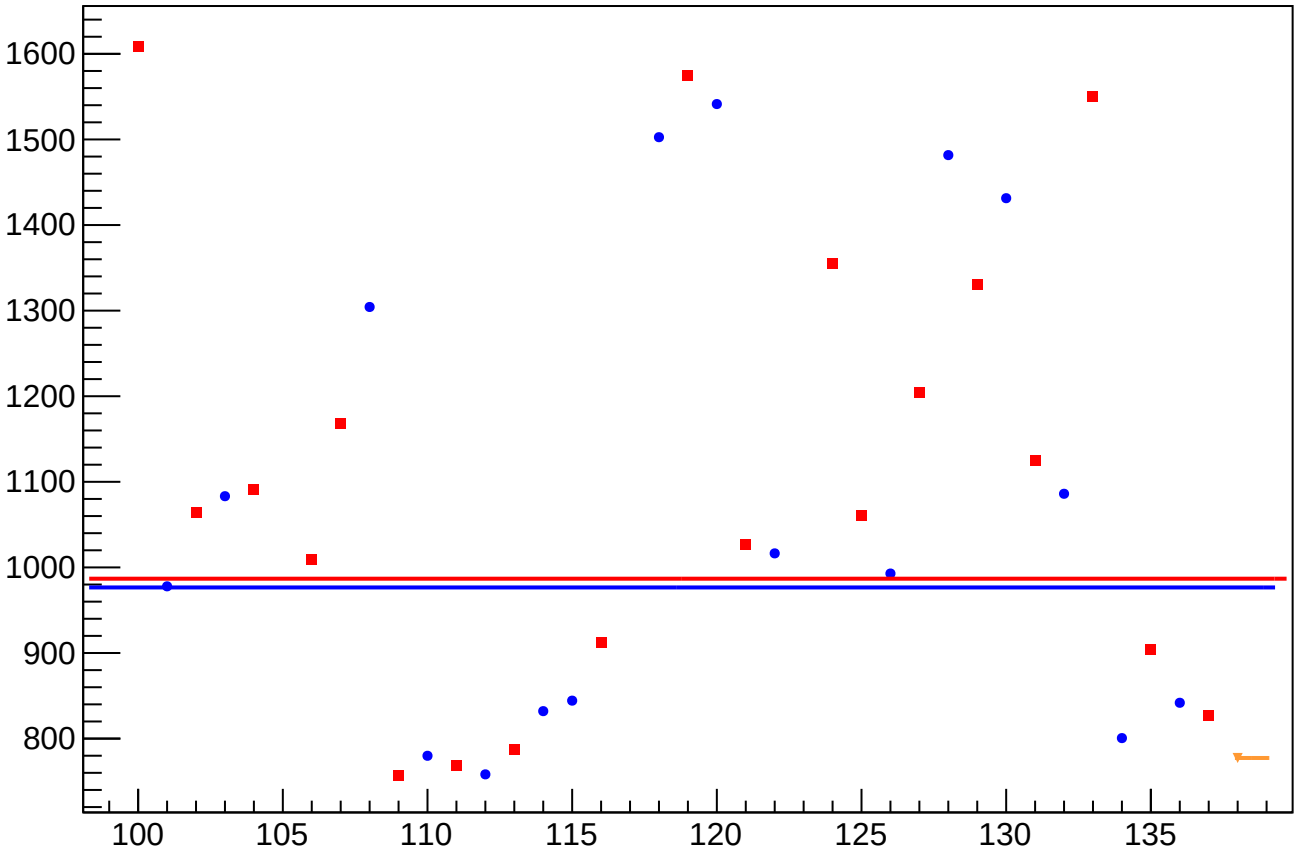
Left: 207.448+/-894.931 χ^2/NDF: 0.0/0

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -466.511+/-375.033 χ^2/NDF:23.7/15

Out: 755.504+/-344.365 χ^2/NDF:13.0/19

All: 196.497+/-253.653 χ^2/NDF: 42.5/35



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 777.356+/-0.633 χ^2/NDF:0.0/0

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

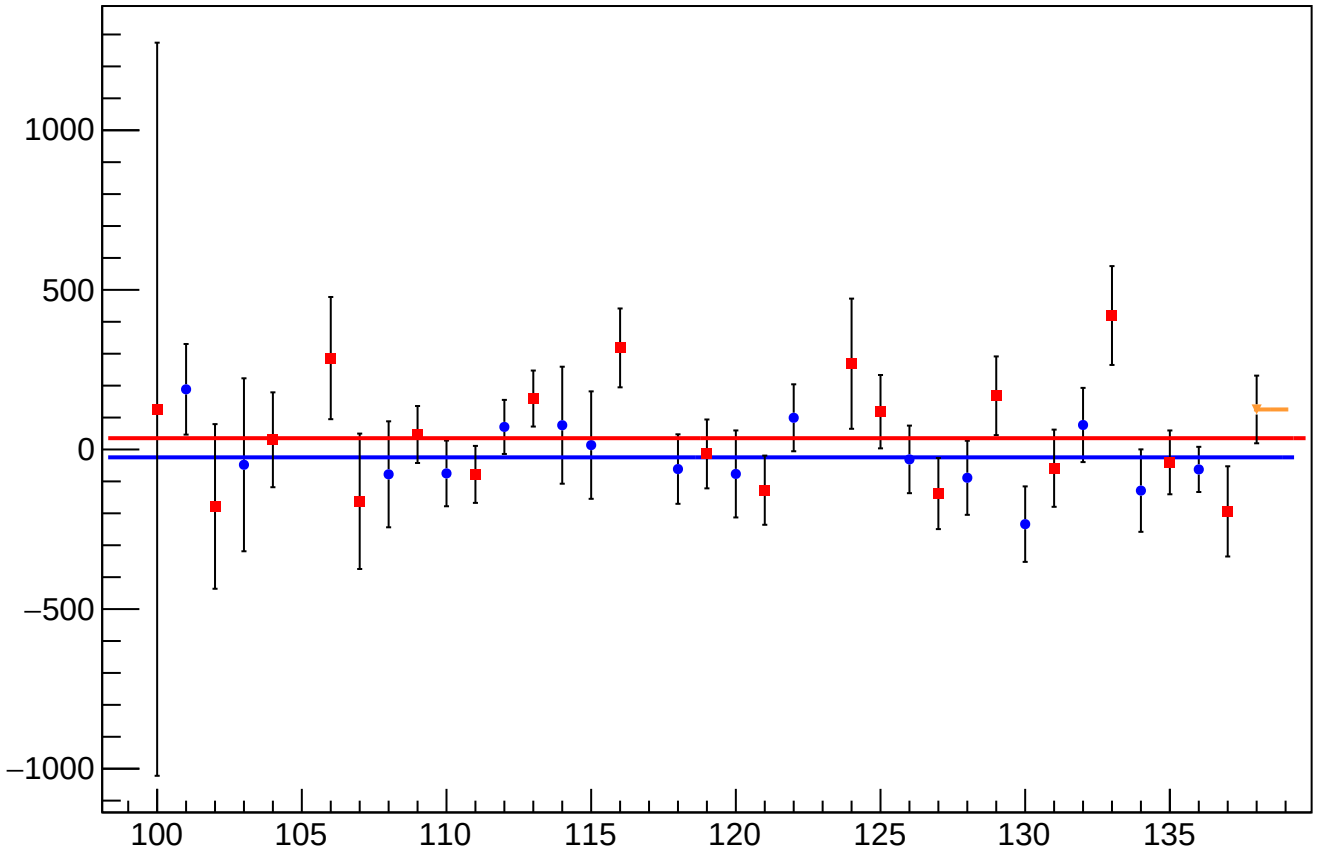
Left: 777.356+/-0.633 χ^2/NDF: 0.0/0

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 976.589+/-0.265 χ^2/NDF:736628.5/15

Out: 955.808+/-0.244 χ^2/NDF:806660.8/19

All: 965.314+/-0.179 χ^2/NDF: 1546620.9/35



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 125.356+/-105.970 χ^2/NDF:0.0/0

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

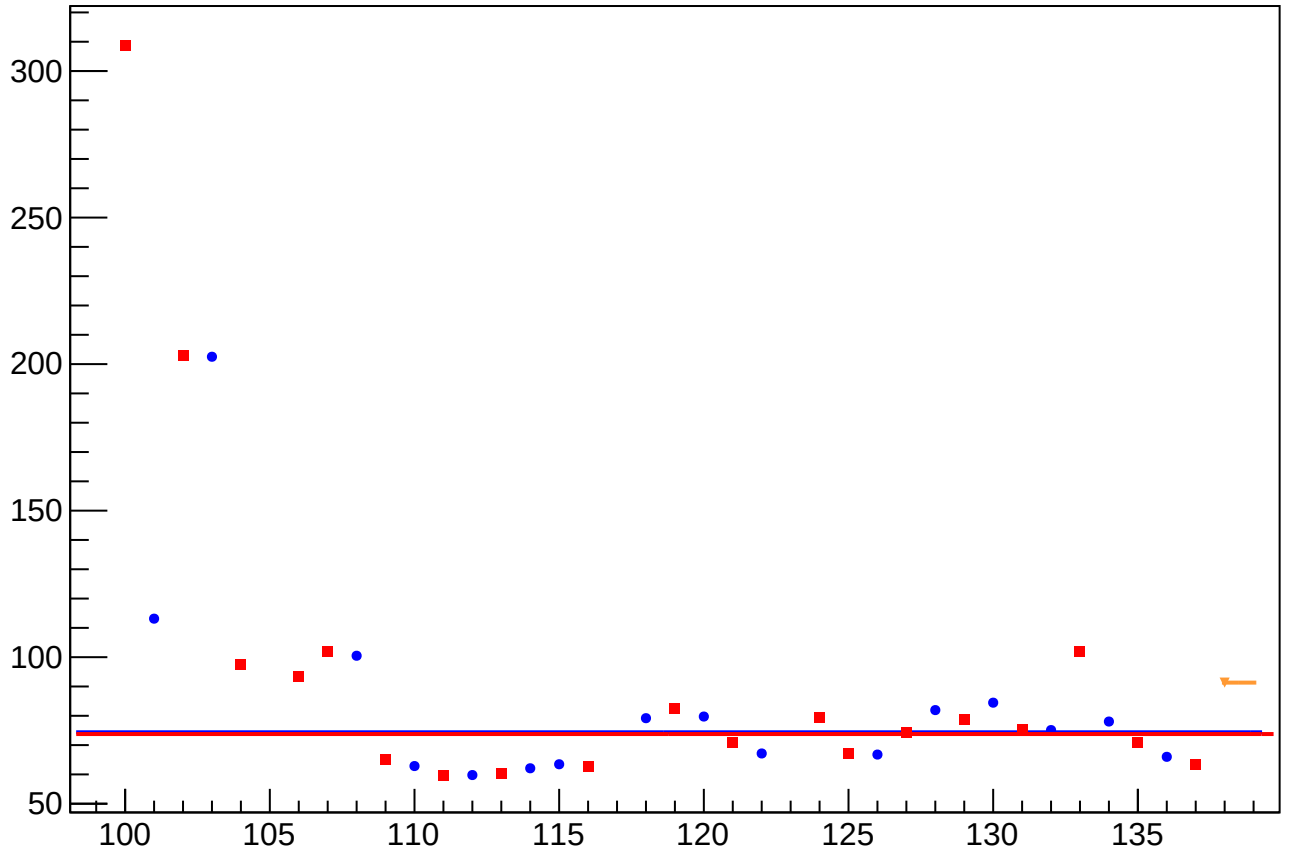
Left: 125.356+/-105.970 χ^2/NDF: 0.0/0

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: -24.640+/-28.913 χ^2/NDF:11.0/15

Out: 41.435+/-27.484 χ^2/NDF:30.7/19

All: 10.071+/-19.920 χ^2/NDF: 44.5/35



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 91.324+/-0.075 χ^2/NDF:0.0/0

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 91.324+/-0.075 χ^2/NDF: 0.0/0

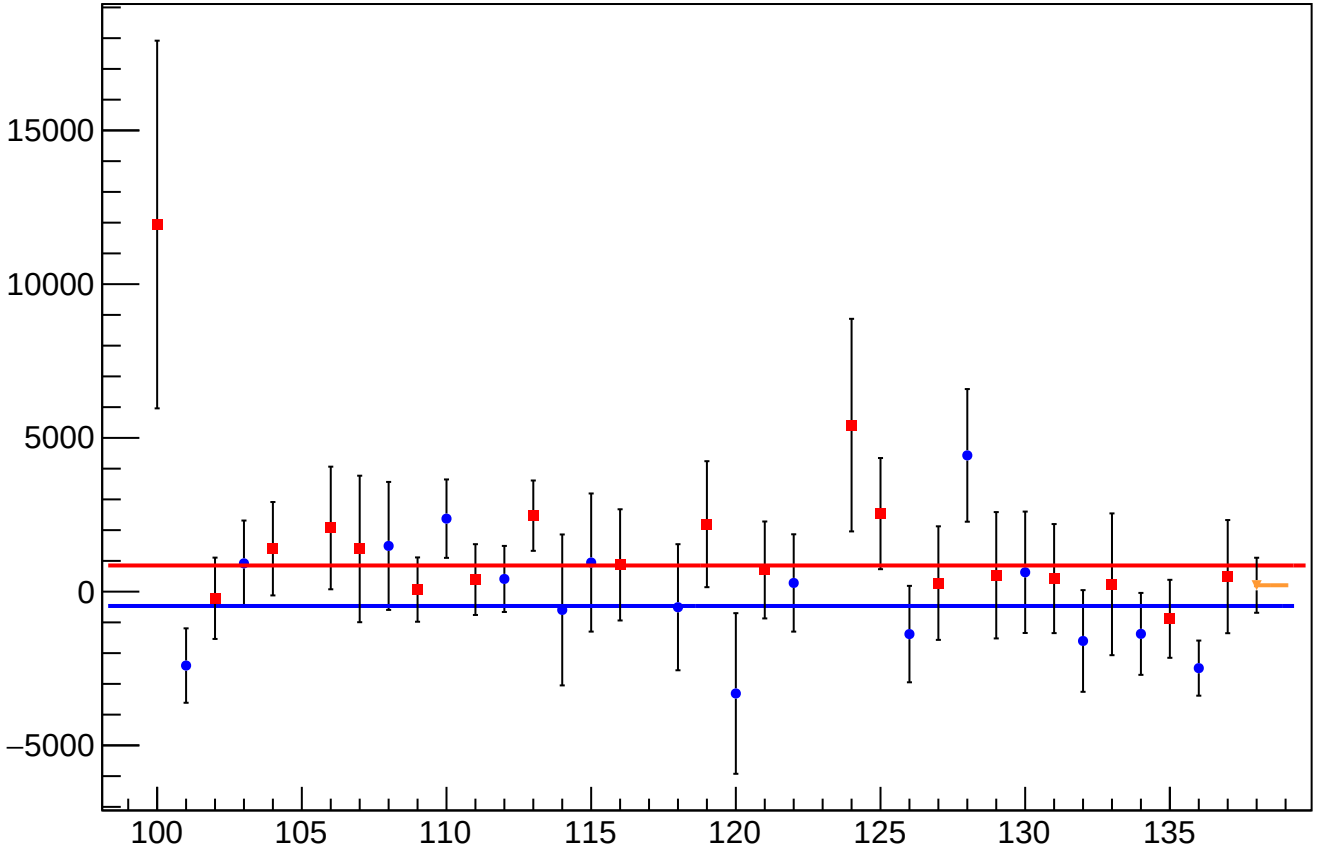
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 74.369+/-0.020 χ^2/NDF:827585.2/15

Out: 74.954+/-0.019 χ^2/NDF:979333.2/19

All: 74.676+/-0.014 χ^2/NDF: 1807348.0/35

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: 207.448+/-894.931 χ^2/NDF:0.0/0

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

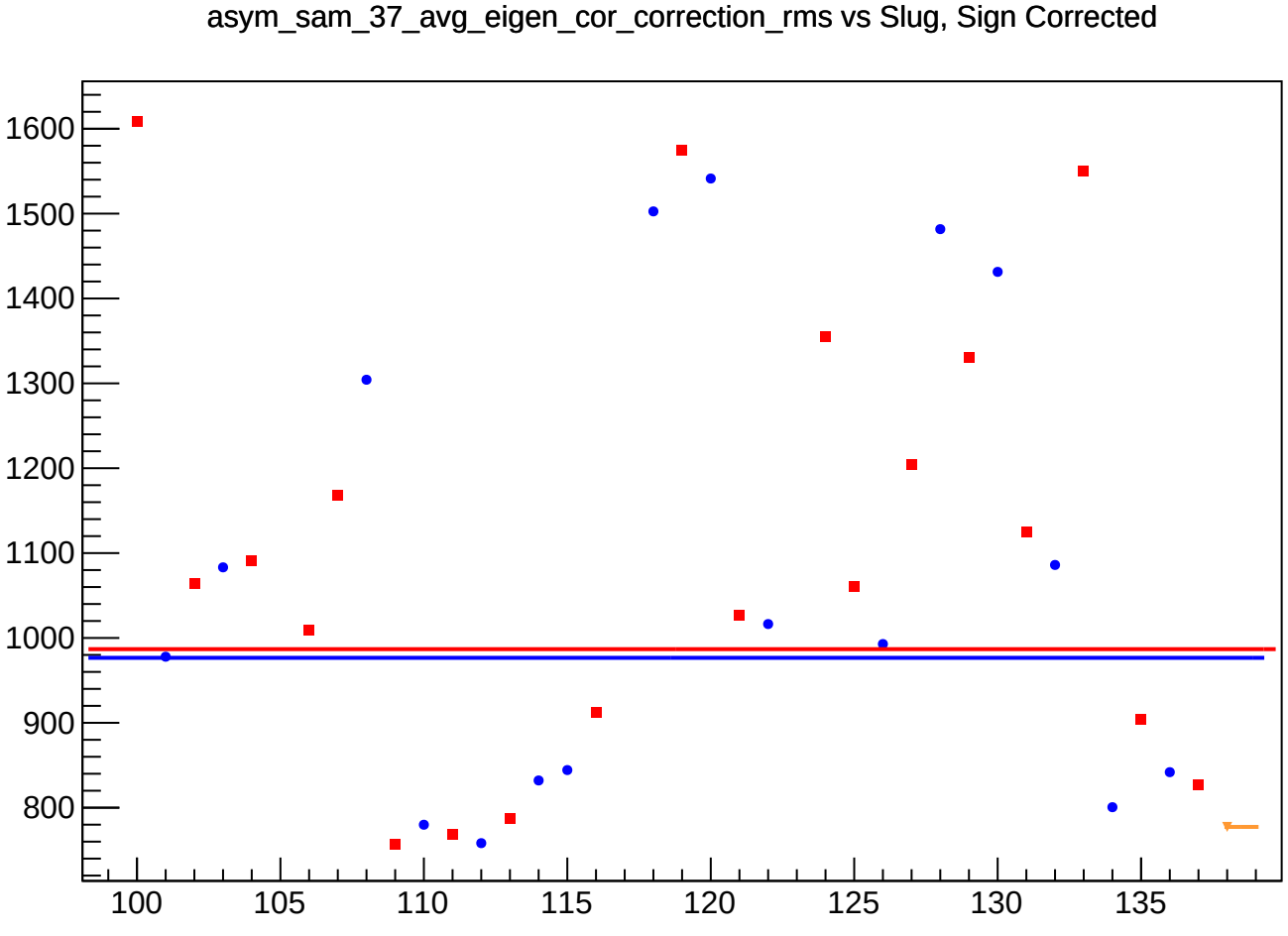
Left: 207.448+/-894.931 χ^2/NDF: 0.0/0

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -466.511+/-375.033 χ^2/NDF:23.7/15

Out: 755.504+/-344.365 χ^2/NDF:13.0/19

All: 196.497+/-253.653 χ^2/NDF: 42.5/35



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 777.356+/-0.633 χ^2/NDF:0.0/0

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

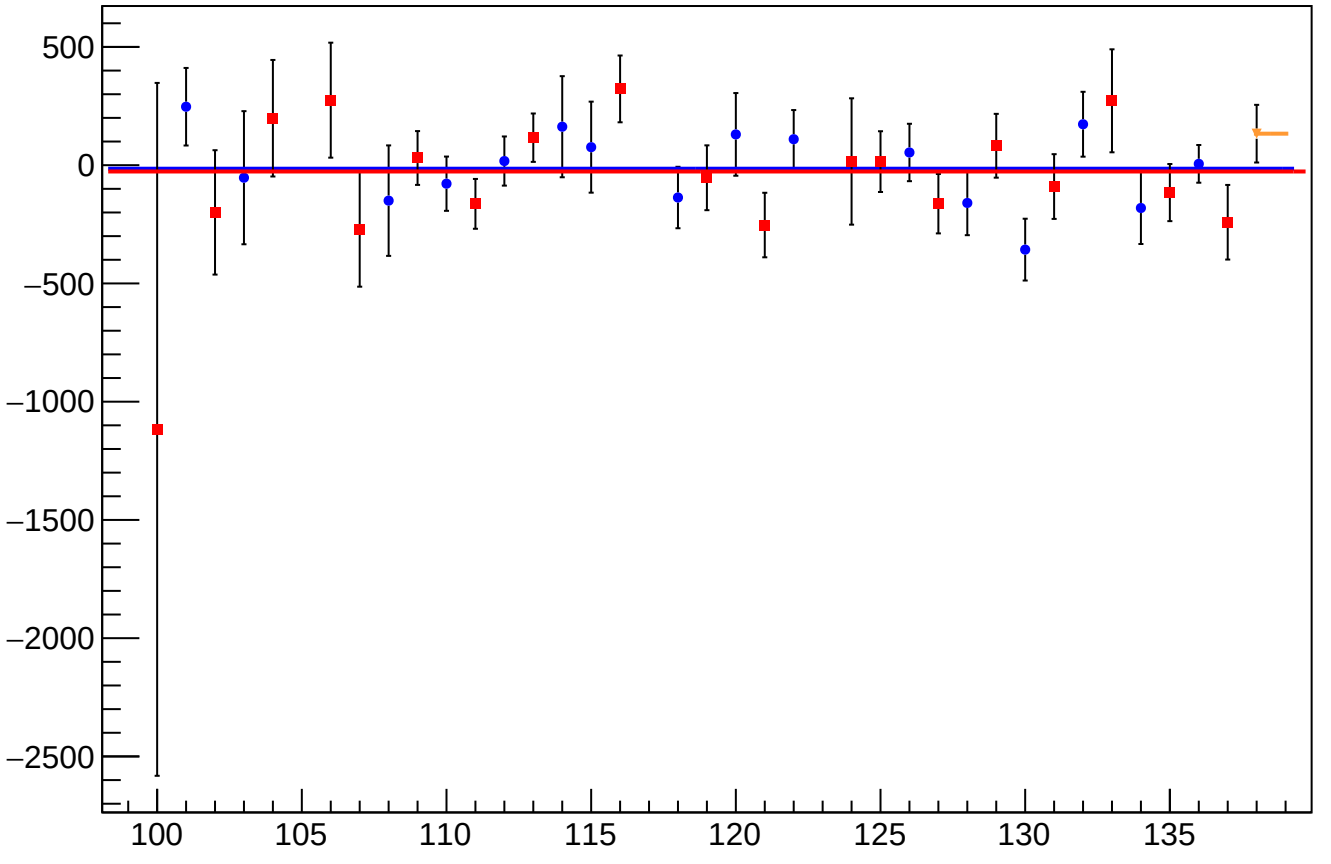
Left: 777.356+/-0.633 χ^2/NDF: 0.0/0

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 976.589+/-0.265 χ^2/NDF:736628.5/15

Out: 955.808+/-0.244 χ^2/NDF:806660.8/19

All: 965.314+/-0.179 χ^2/NDF: 1546620.9/35



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 133.221+/-121.930 χ^2/NDF:0.0/0

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

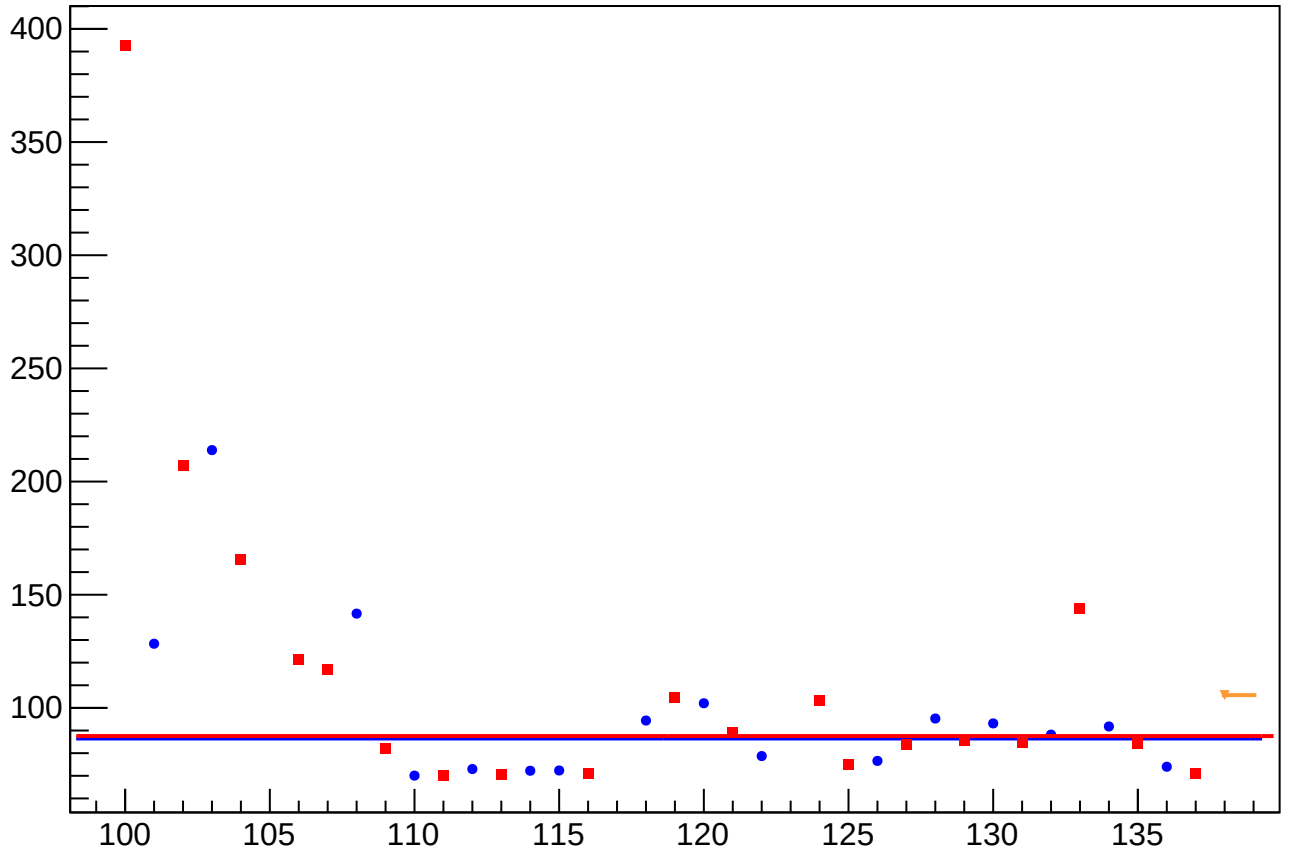
Left: 133.221+/-121.930 χ^2/NDF: 0.0/0

Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: -14.953+/-33.761 χ^2/NDF:18.3/15

Out: -15.074+/-32.816 χ^2/NDF:25.2/19

All: -15.015+/-23.531 χ^2/NDF: 43.5/35



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 105.646+/-0.086 χ^2/NDF:0.0/0

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

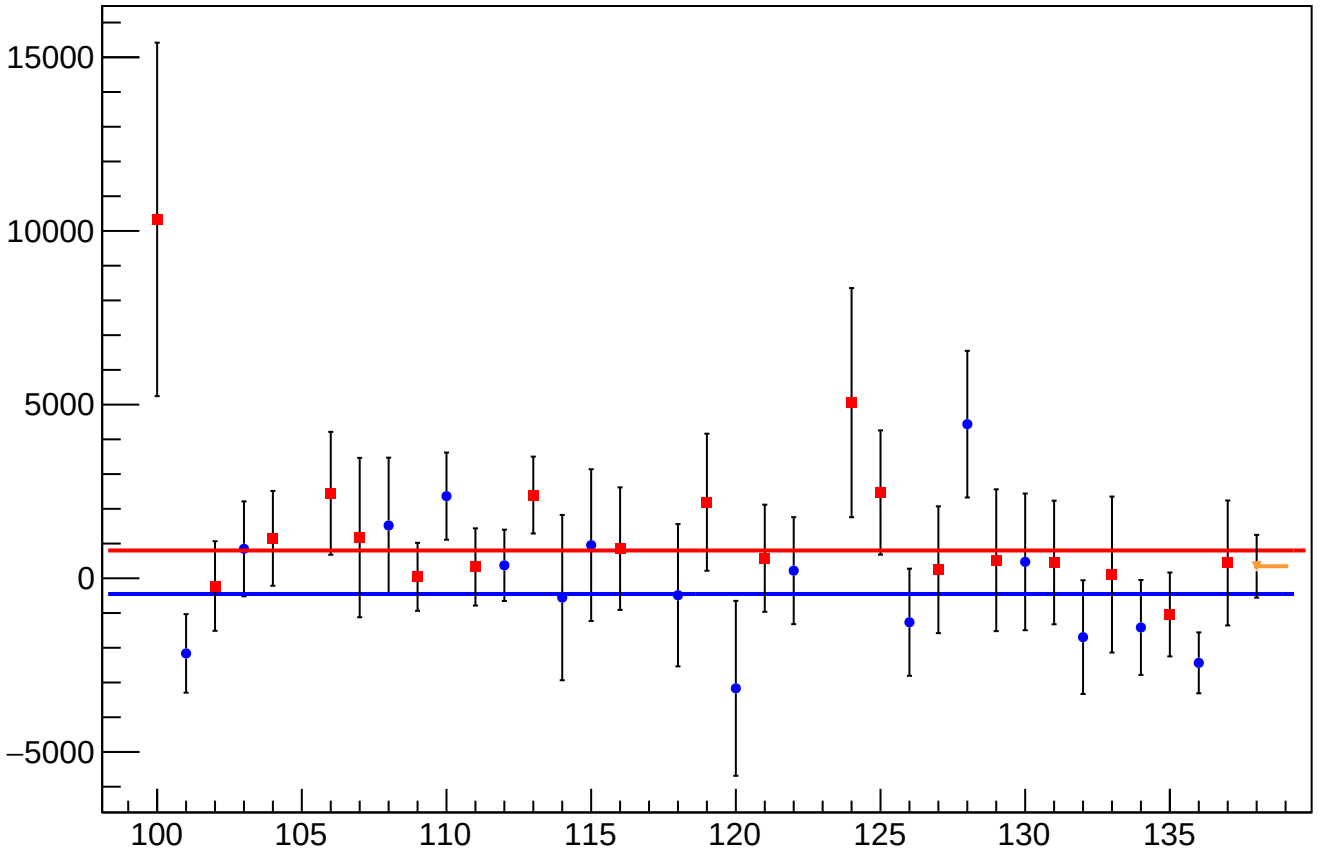
Left: 105.646+/-0.086 χ^2/NDF: 0.0/0

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 86.489+/-0.024 χ^2/NDF:856257.9/15

Out: 88.865+/-0.023 χ^2/NDF:1170637.5/19

All: 87.711+/-0.017 χ^2/NDF: 2031989.2/35



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: 346.731+/-903.810 χ^2/NDF:0.0/0

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

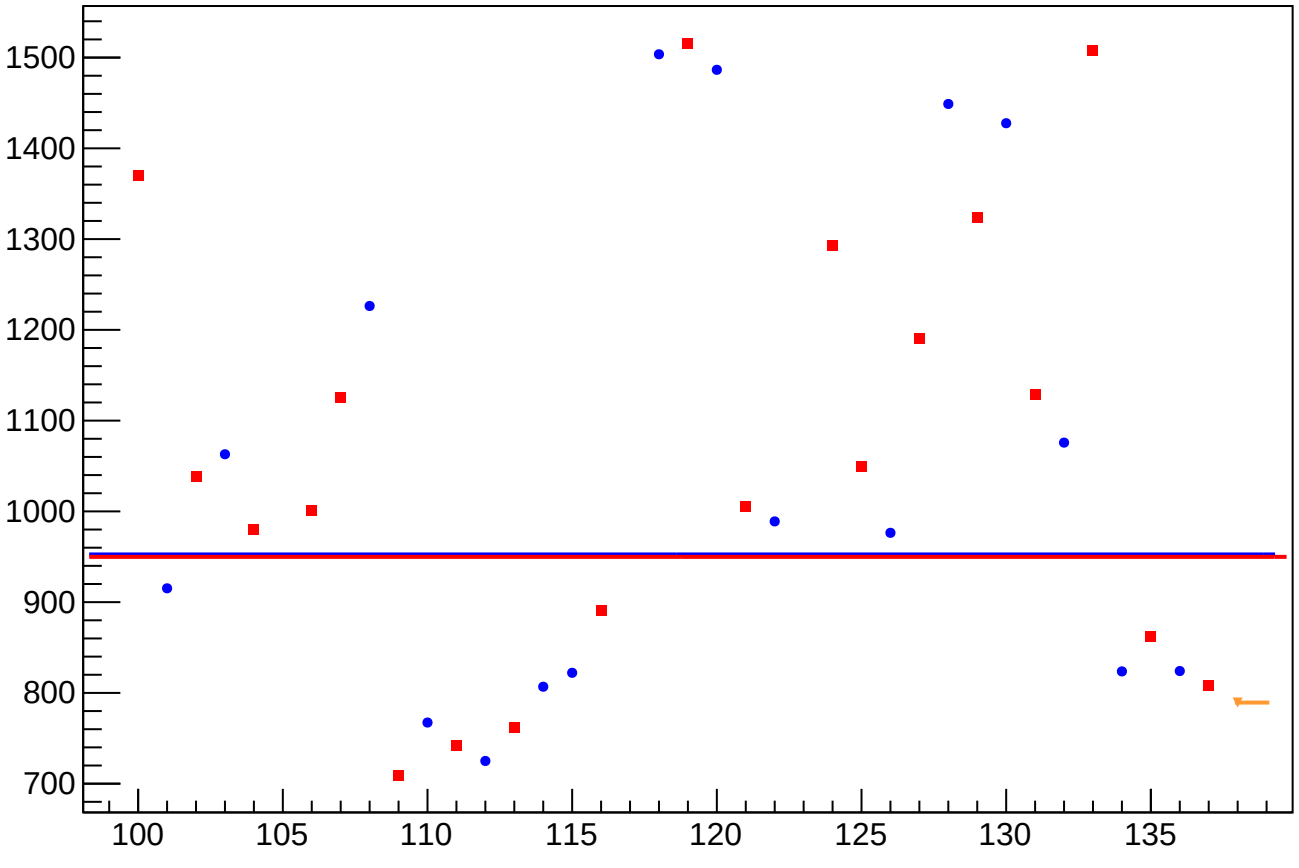
Left: 346.731+/-903.810 χ^2/NDF: 0.0/0

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -451.380+/-365.605 χ^2/NDF:23.7/15

Out: 739.610+/-332.732 χ^2/NDF:13.8/19

All: 200.055+/-246.080 χ^2/NDF: 43.4/35



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 789.369+/-0.639 χ^2/NDF:0.0/0

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

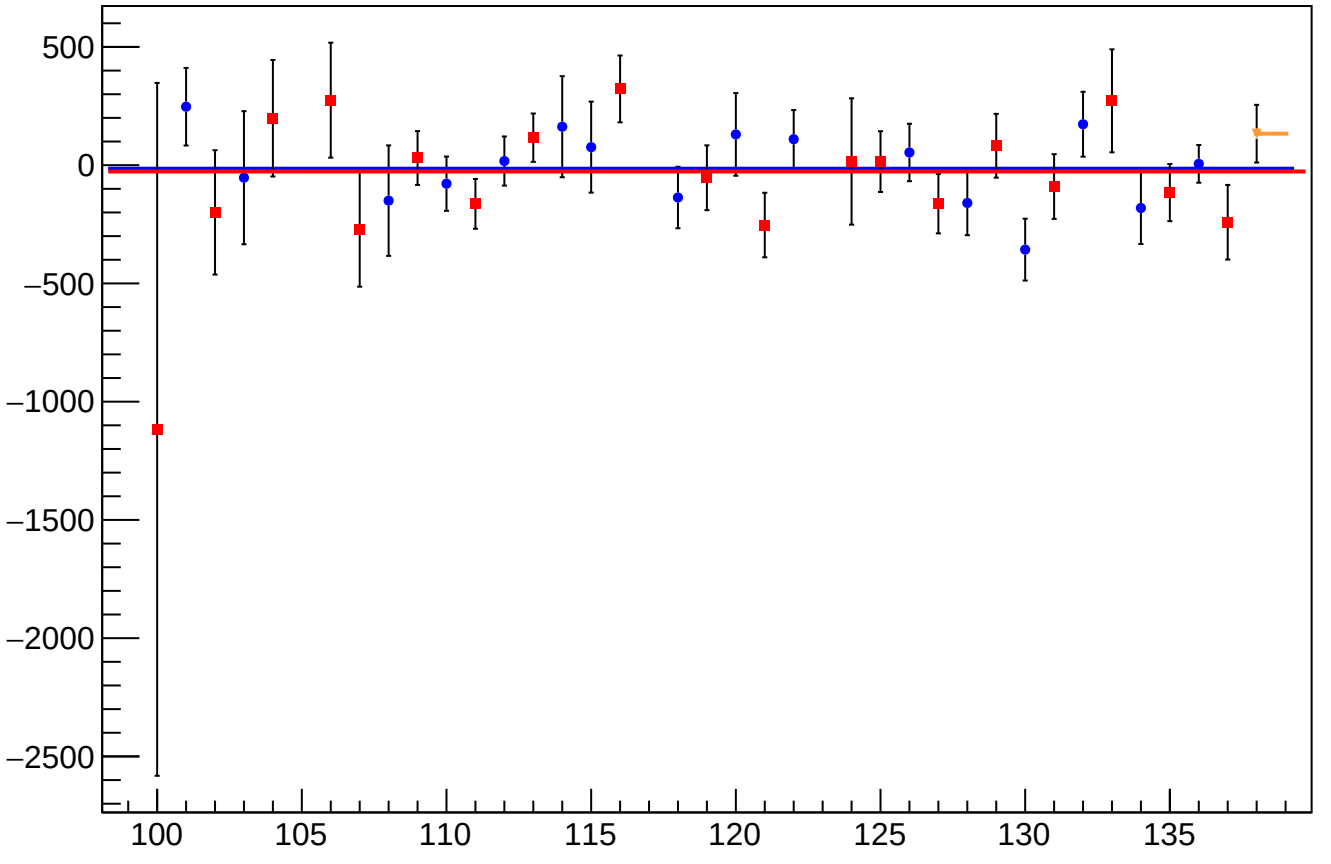
Left: 789.369+/-0.639 χ^2/NDF: 0.0/0

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 952.551+/-0.259 χ^2/NDF:746346.9/15

Out: 928.136+/-0.235 χ^2/NDF:806212.7/19

All: 939.197+/-0.174 χ^2/NDF: 1557438.0/35



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 133.217+/-121.930 χ^2/NDF:0.0/0

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

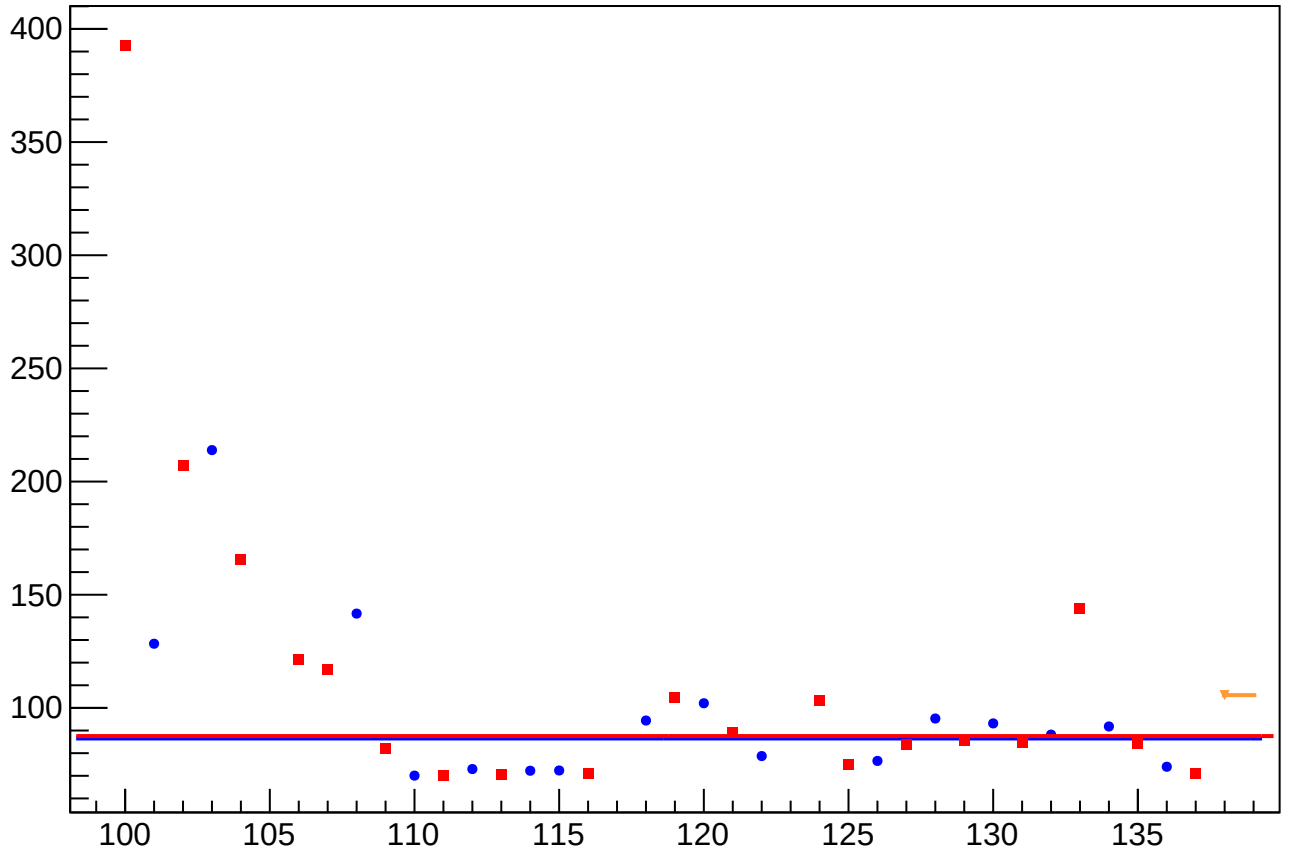
Left: 133.217+/-121.930 χ^2/NDF: 0.0/0

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: -14.954+/-33.761 χ^2/NDF:18.3/15

Out: -15.077+/-32.816 χ^2/NDF:25.2/19

All: -15.017+/-23.531 χ^2/NDF: 43.5/35



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 105.647+/-0.086 χ^2/NDF:0.0/0

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

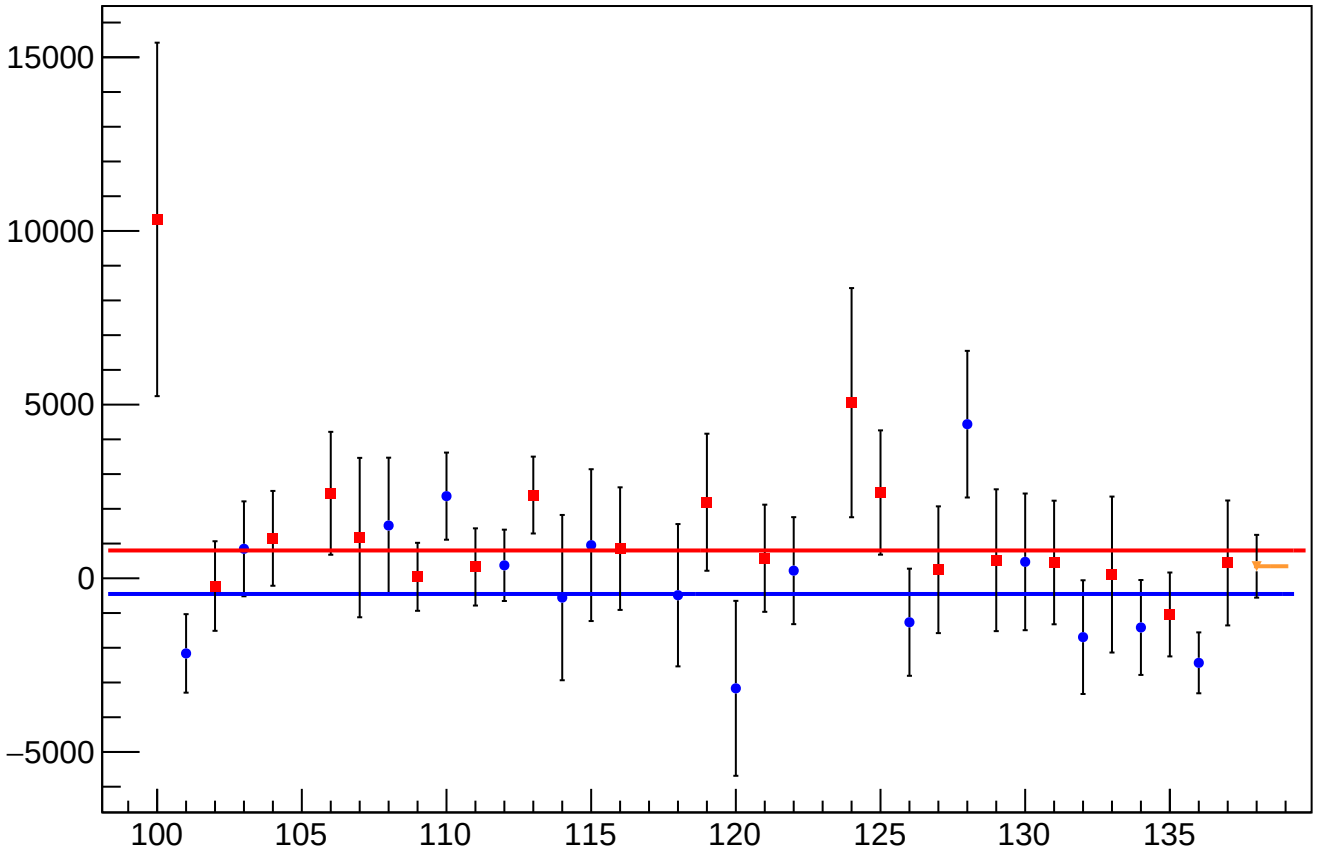
Left: 105.647+/-0.086 χ^2/NDF: 0.0/0

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 86.489+/-0.024 χ^2/NDF:856249.6/15

Out: 88.865+/-0.023 χ^2/NDF:1170633.4/19

All: 87.711+/-0.017 χ^2/NDF: 2031977.1/35



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: 346.727+/-903.811 χ^2/NDF:0.0/0

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 346.727+/-903.811 χ^2/NDF: 0.0/0

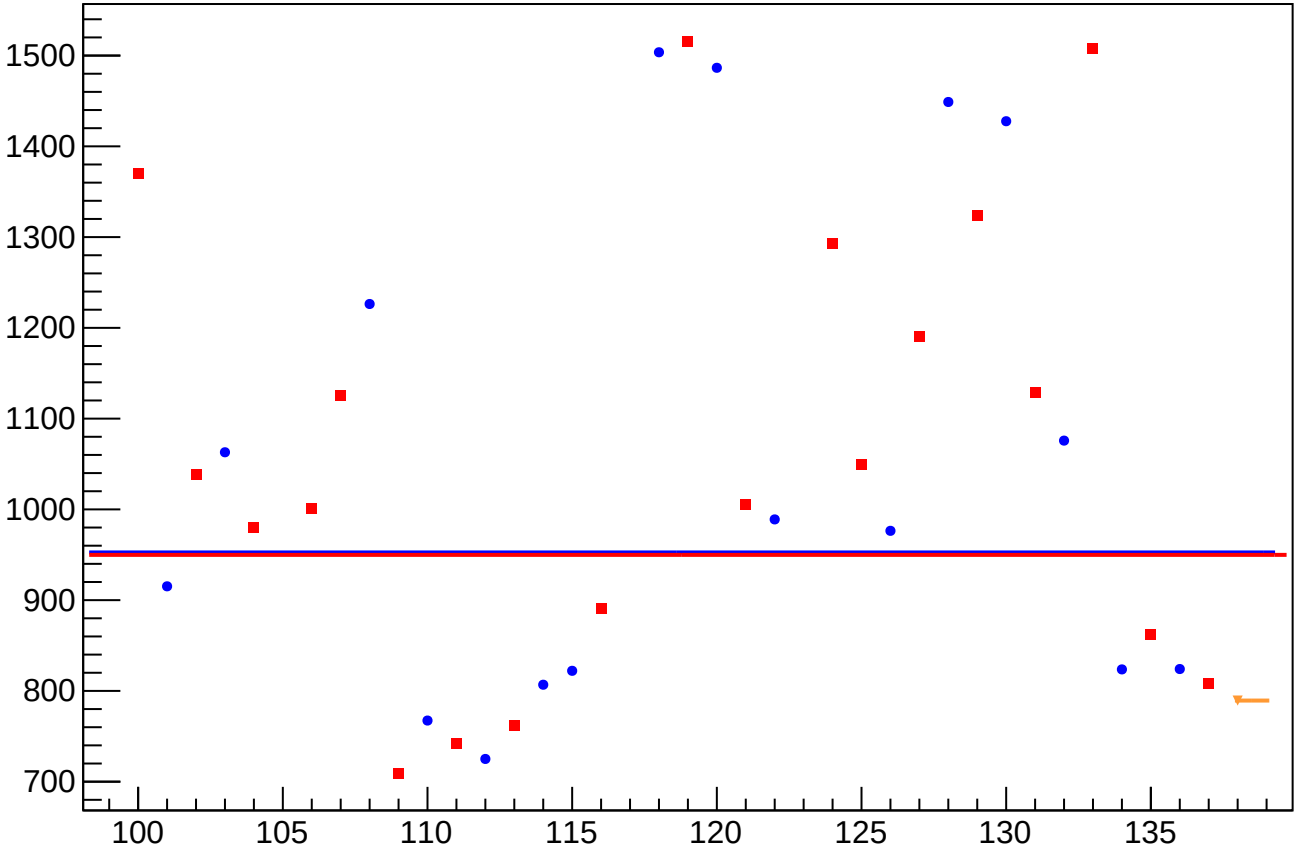
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -451.378+/-365.605 χ^2/NDF:23.7/15

Out: 739.610+/-332.732 χ^2/NDF:13.8/19

All: 200.055+/-246.080 χ^2/NDF: 43.4/35

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 789.370+/-0.639 χ^2/NDF:0.0/0

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

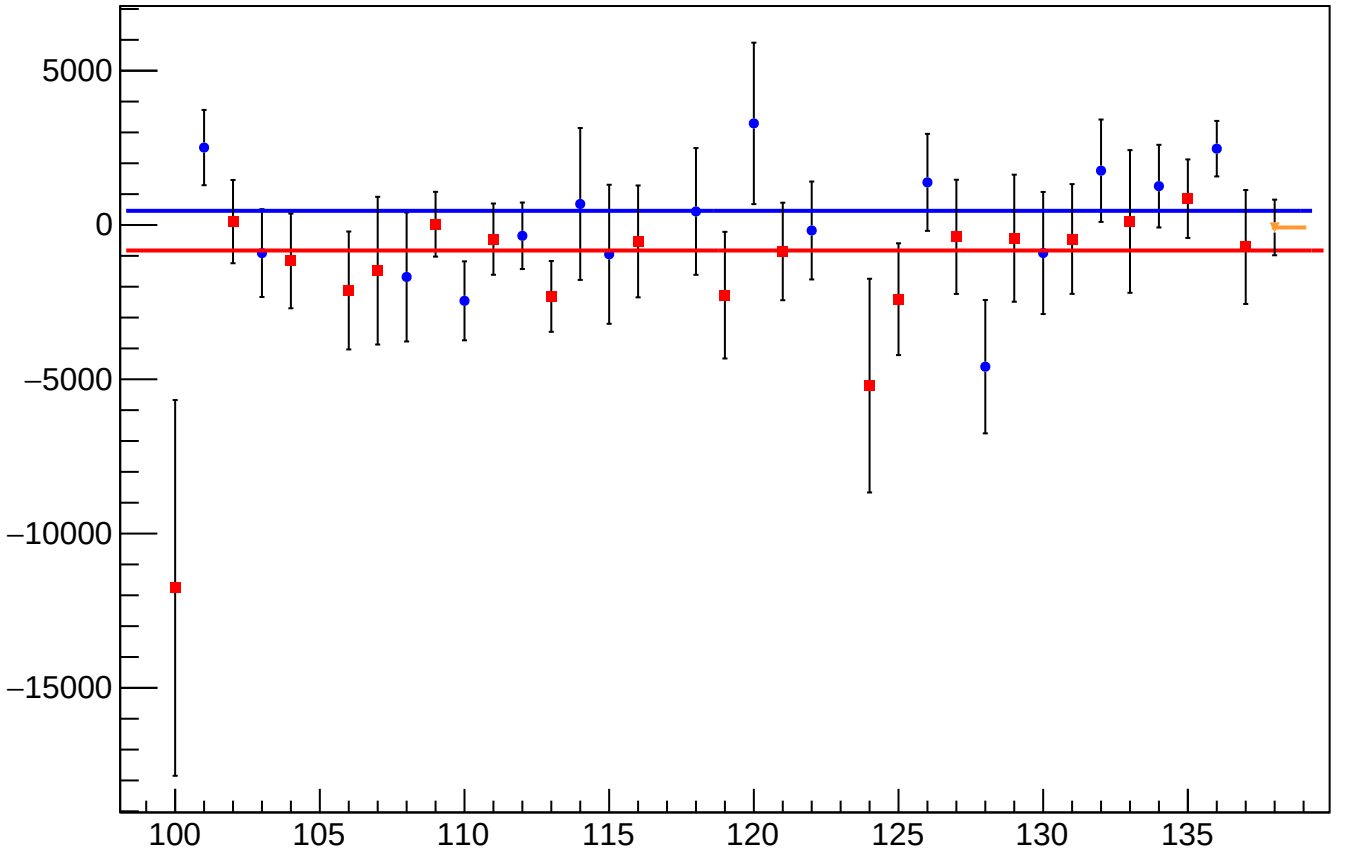
Left: 789.370+/-0.639 χ^2/NDF: 0.0/0

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 952.549+/-0.259 χ^2/NDF:746349.8/15

Out: 928.134+/-0.235 χ^2/NDF:806210.1/19

All: 939.195+/-0.174 χ^2/NDF: 1557438.1/35



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: -79.995+/-901.297 χ^2/NDF:0.0/0

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -79.995+/-901.297 χ^2/NDF: 0.0/0

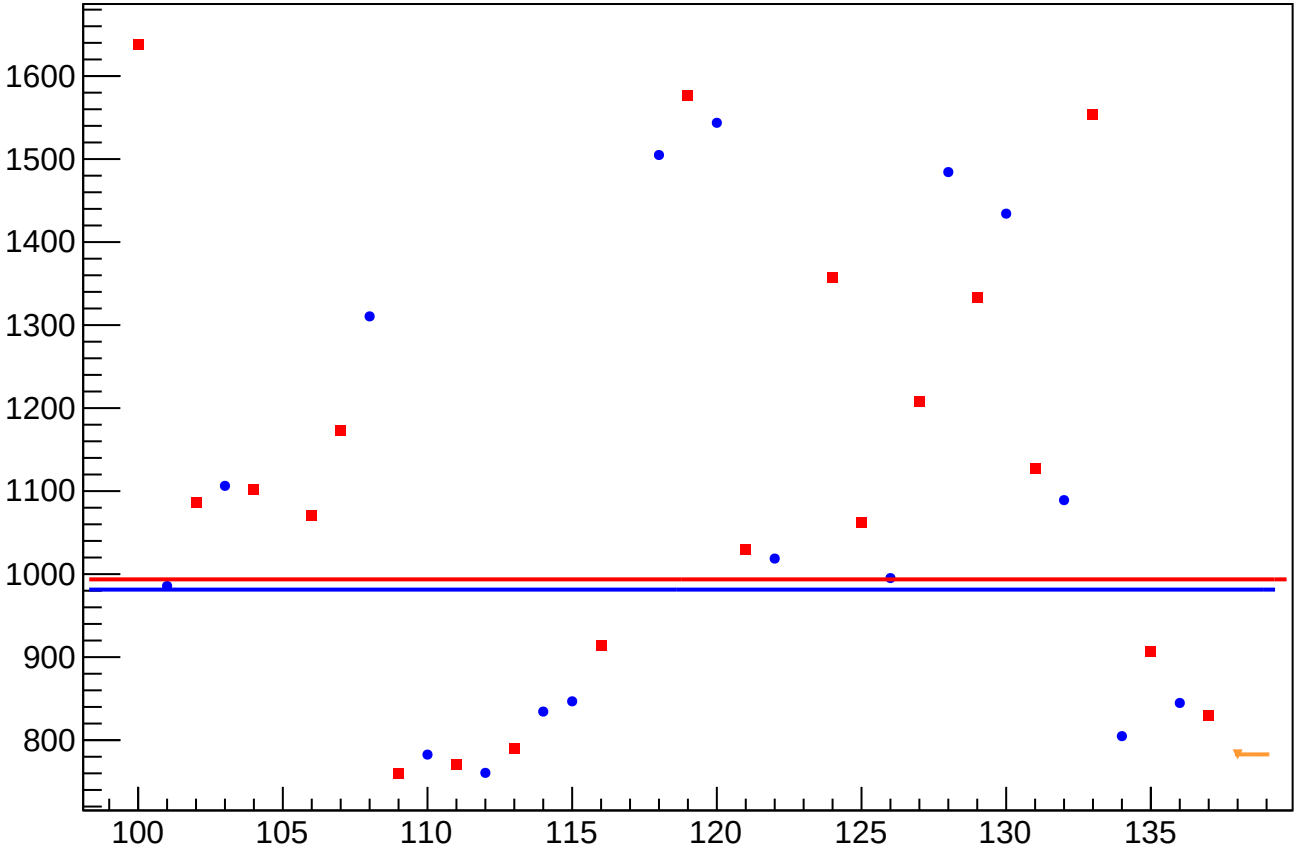
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 459.137+/-376.873 χ^2/NDF:24.6/15

Out: -716.746+/-345.632 χ^2/NDF:12.2/19

All: -179.555+/-254.729 χ^2/NDF: 42.1/35

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 782.824+/-0.637 χ^2/NDF:0.0/0

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

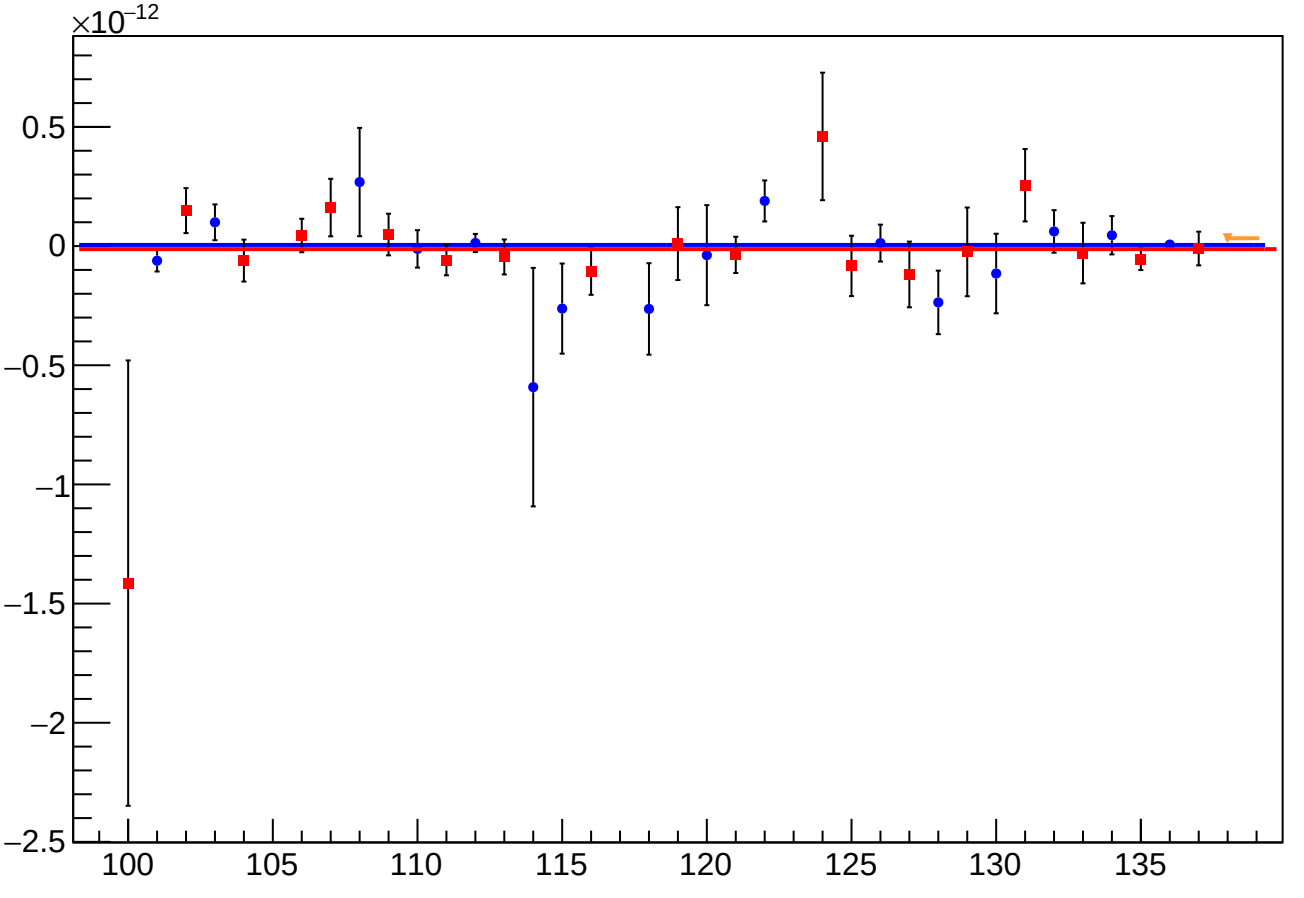
Left: 782.824+/-0.637 χ^2/NDF: 0.0/0

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 981.349+/-0.266 χ^2/NDF:737627.4/15

Out: 962.675+/-0.244 χ^2/NDF:813167.7/19

All: 971.206+/-0.180 χ^2/NDF: 1553462.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

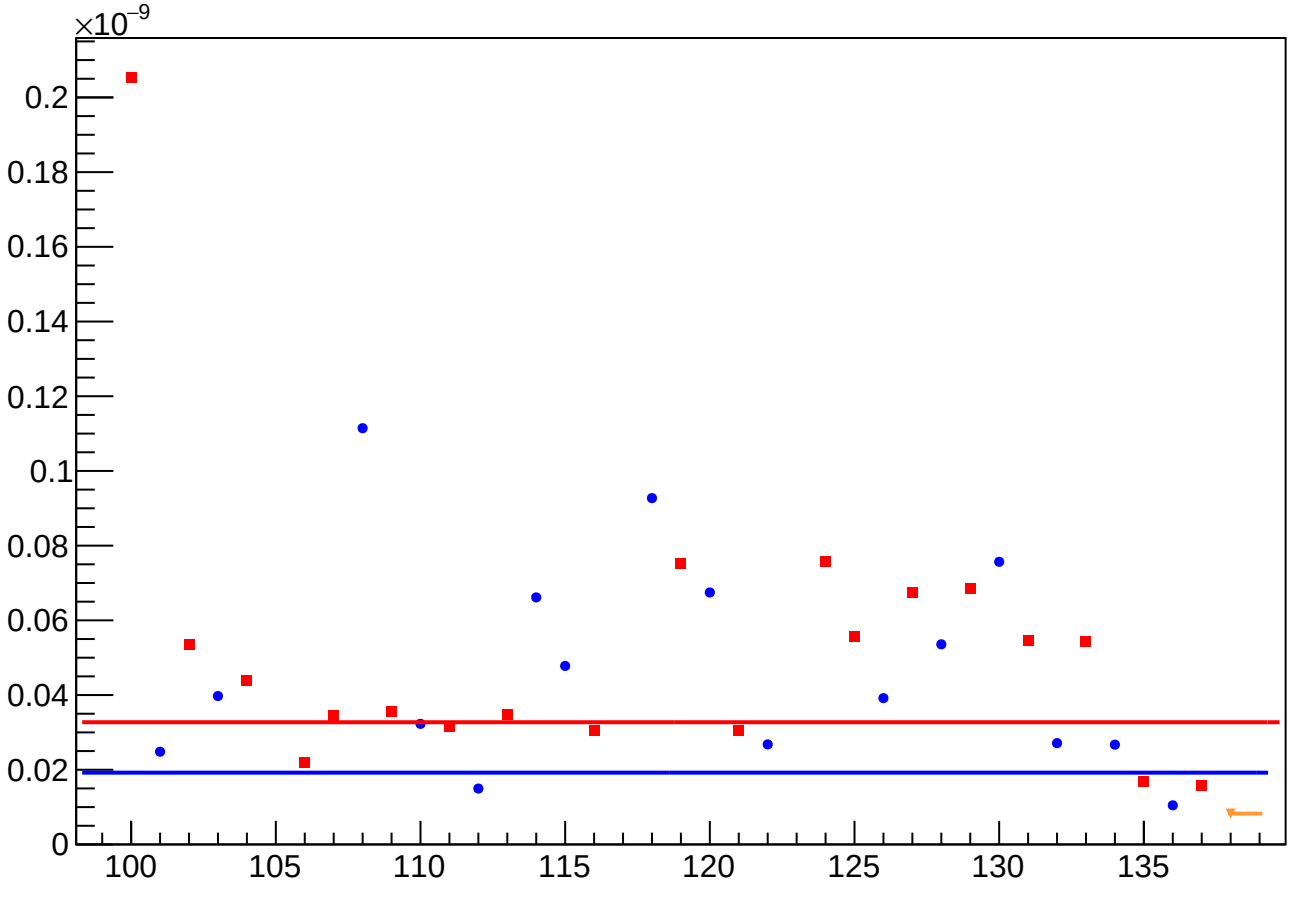
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:19.7/15

Out: 0.000+/-0.000 χ^2/NDF:21.2/19

All: 0.000+/-0.000 χ^2/NDF: 41.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

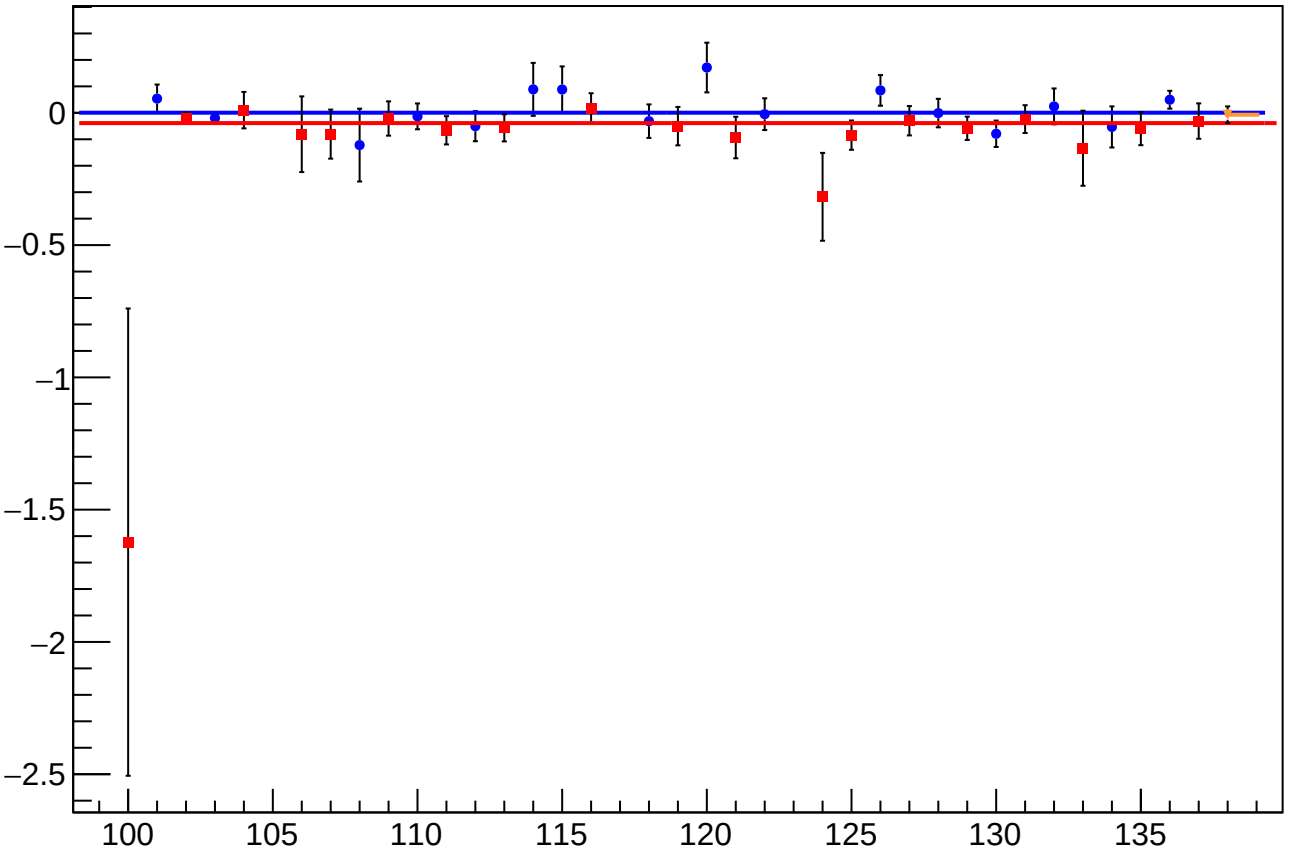
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:1977908.6/15

Out: 0.000+/-0.000 χ^2/NDF:2793865.7/19

All: 0.000+/-0.000 χ^2/NDF: 4774116.7/35



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.031 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

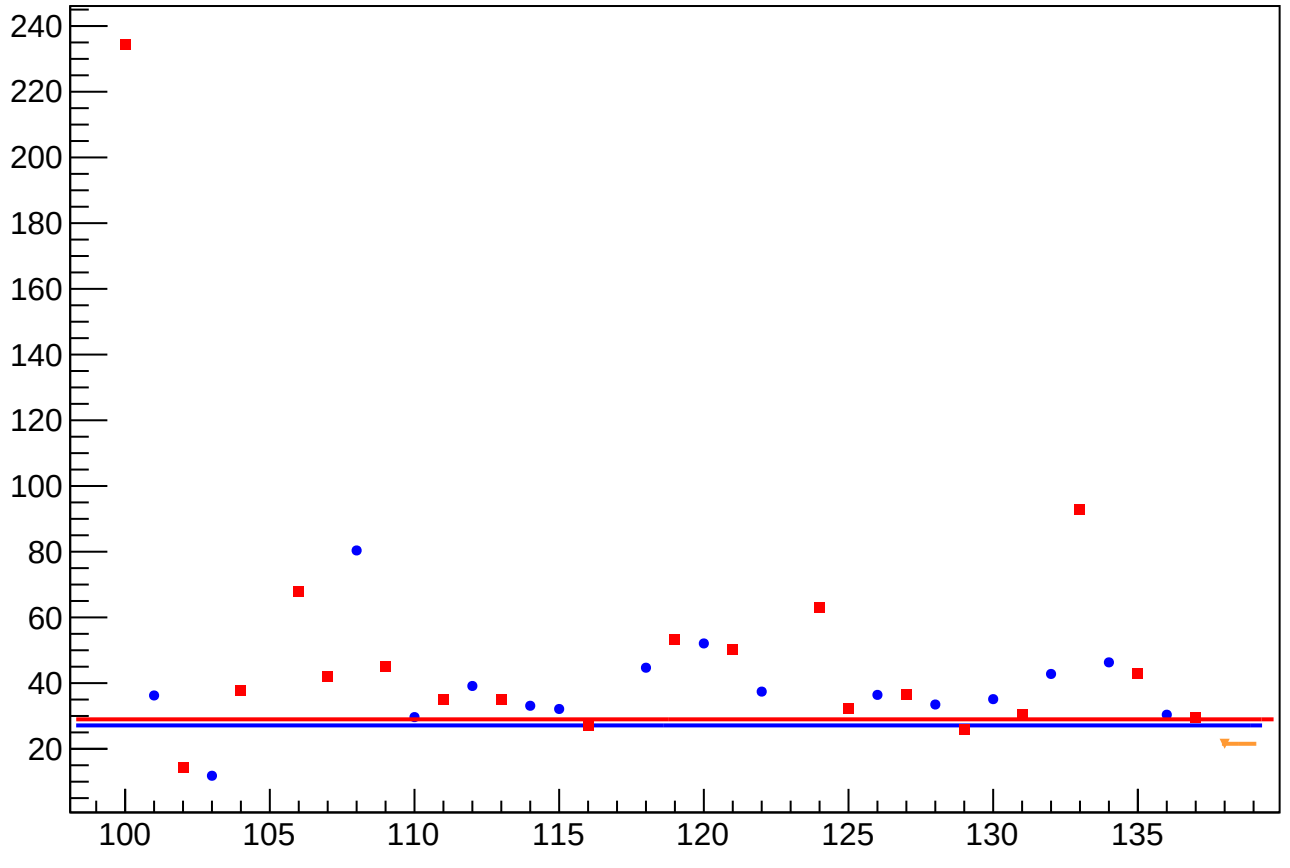
Left: -0.007+/-0.031 χ^2/NDF: 0.0/0

Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.000+/-0.012 χ^2/NDF:16.5/15

Out: -0.034+/-0.012 χ^2/NDF:11.9/19

All: -0.017+/-0.008 χ^2/NDF: 32.7/35



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 21.537+/-0.022 χ^2/NDF:0.0/0

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

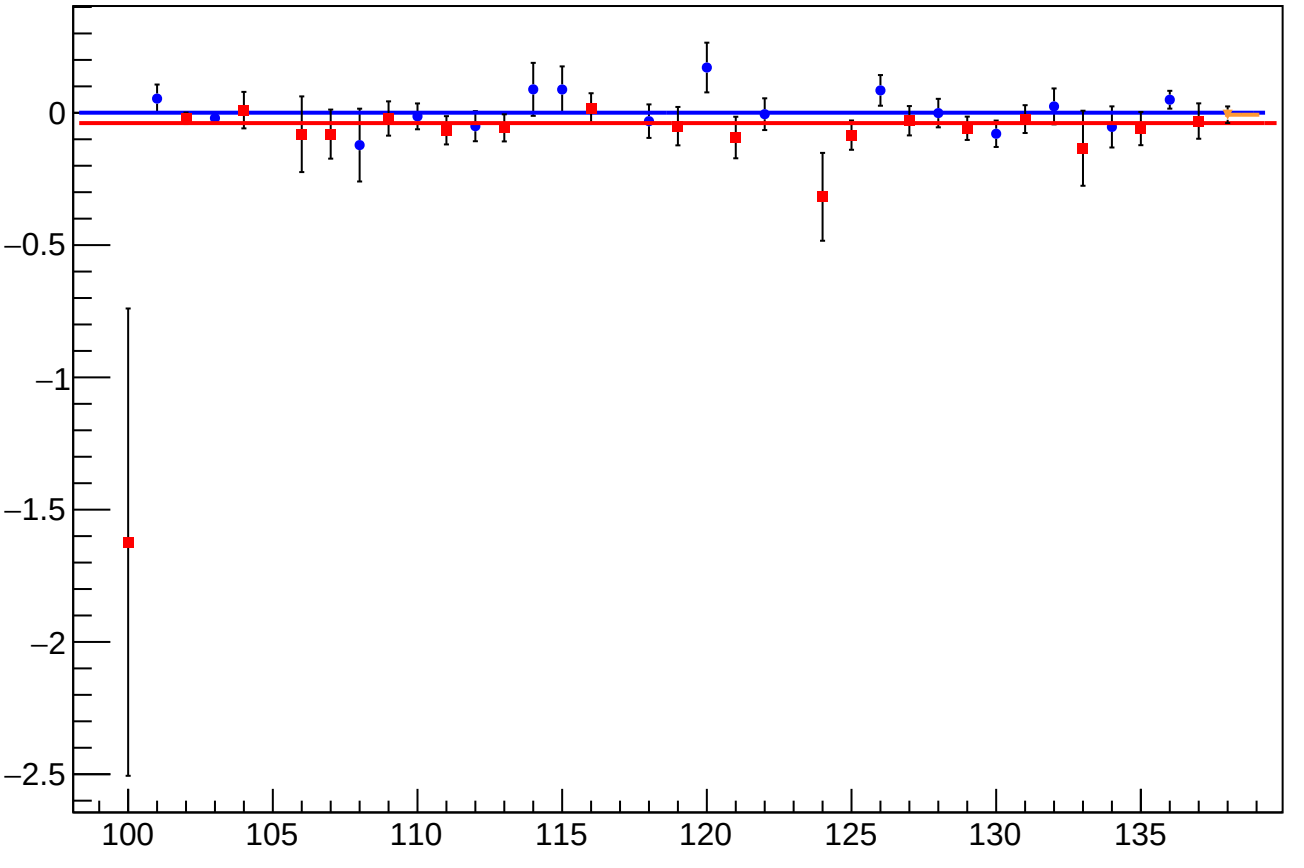
Left: 21.537+/-0.022 χ^2/NDF: 0.0/0

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 27.128+/-0.009 χ^2/NDF:2415316.1/15

Out: 27.941+/-0.008 χ^2/NDF:2553024.0/19

All: 27.545+/-0.006 χ^2/NDF: 4973021.5/35



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.031 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

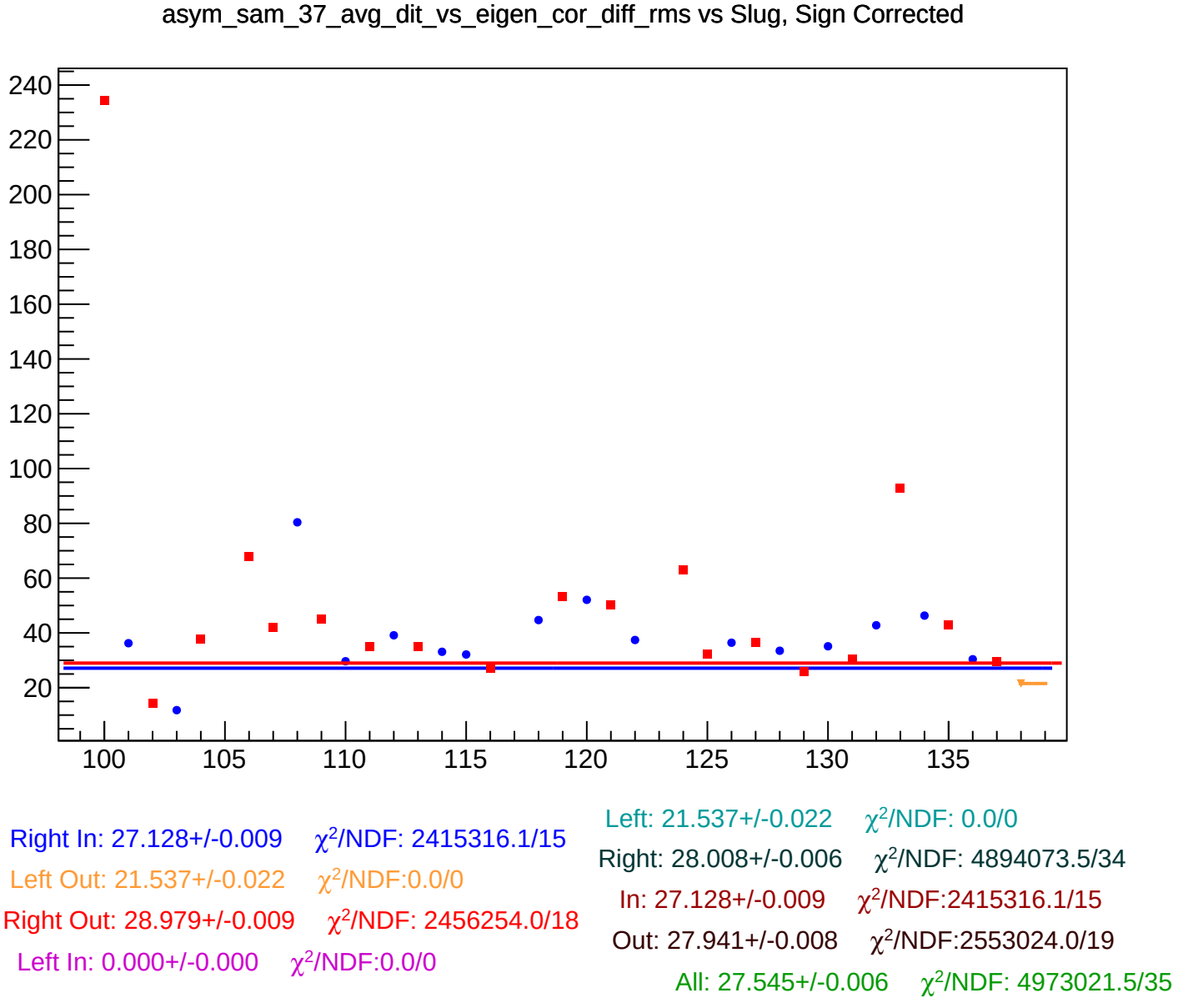
Left: -0.007+/-0.031 χ^2/NDF: 0.0/0

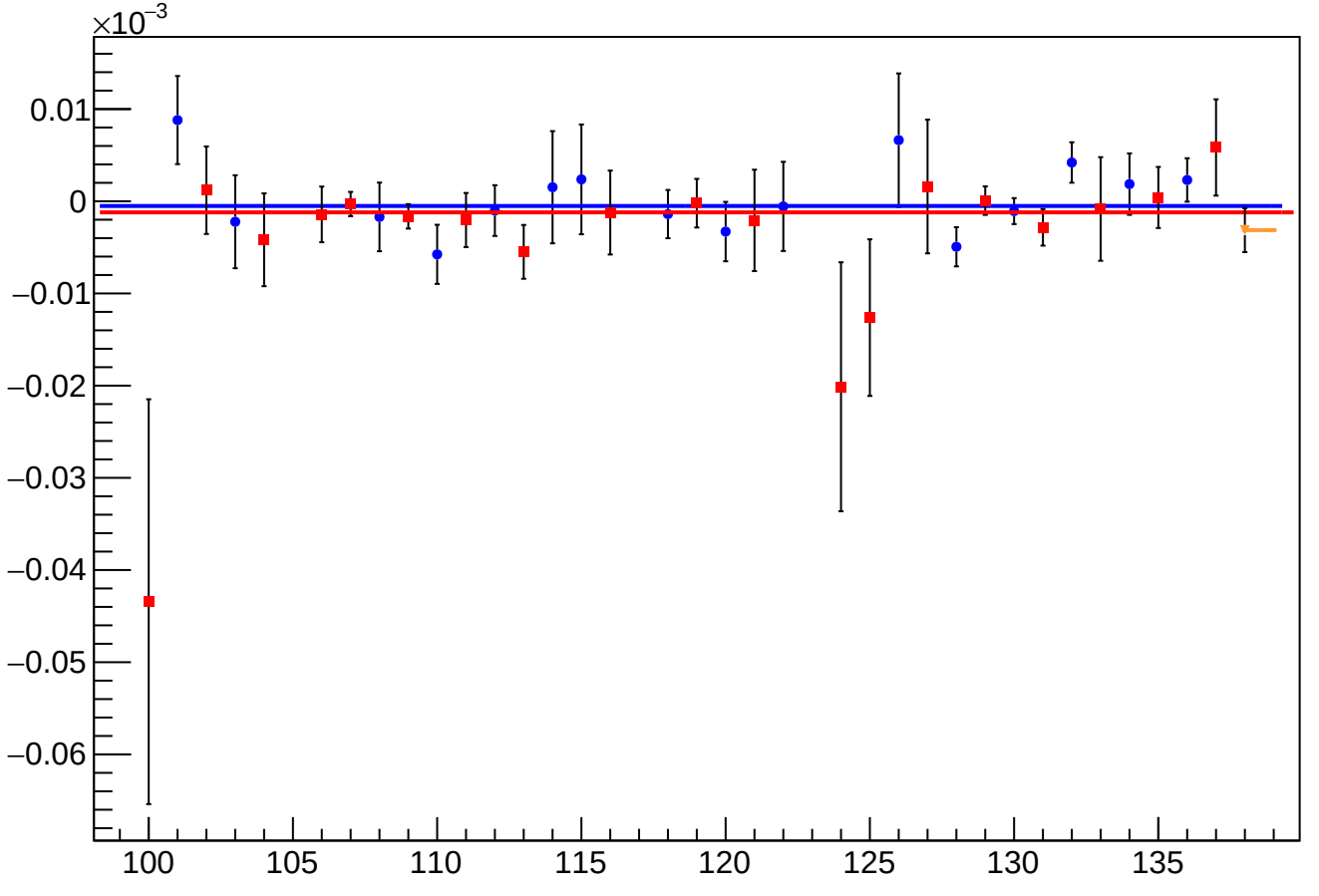
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.000+/-0.012 χ^2/NDF:16.5/15

Out: -0.034+/-0.012 χ^2/NDF:11.9/19

All: -0.017+/-0.008 χ^2/NDF: 32.7/35


asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
240
220
200
180
160
140
120
100
80
60
40
20
100
105
110
115
120
125
130
135
Right In: 27.128+/-0.009 χ²/NDF: 2415316.1/15
Left Out: 21.537+/-0.022 χ²/NDF:0.0/0
Right Out: 28.979+/-0.009 χ²/NDF: 2456254.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 21.537+/-0.022 χ²/NDF: 0.0/0
Right: 28.008+/-0.006 χ²/NDF: 4894073.5/34
In: 27.128+/-0.009 χ²/NDF:2415316.1/15
Out: 27.941+/-0.008 χ²/NDF:2553024.0/19
All: 27.545+/-0.006 χ²/NDF: 4973021.5/35



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

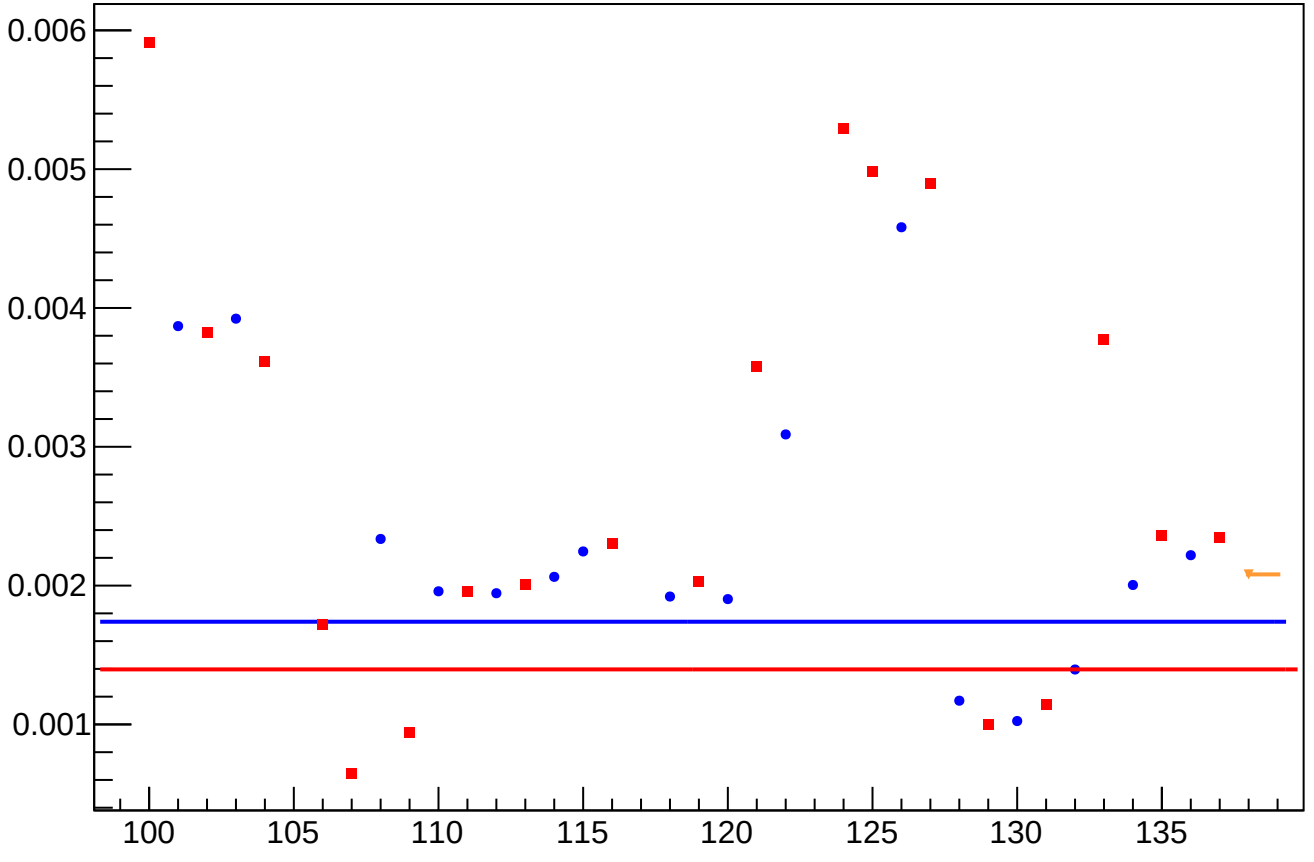
Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:20.0/15

Out: -0.000+/-0.000 χ^2/NDF:15.2/19

All: -0.000+/-0.000 χ^2/NDF: 35.9/35

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

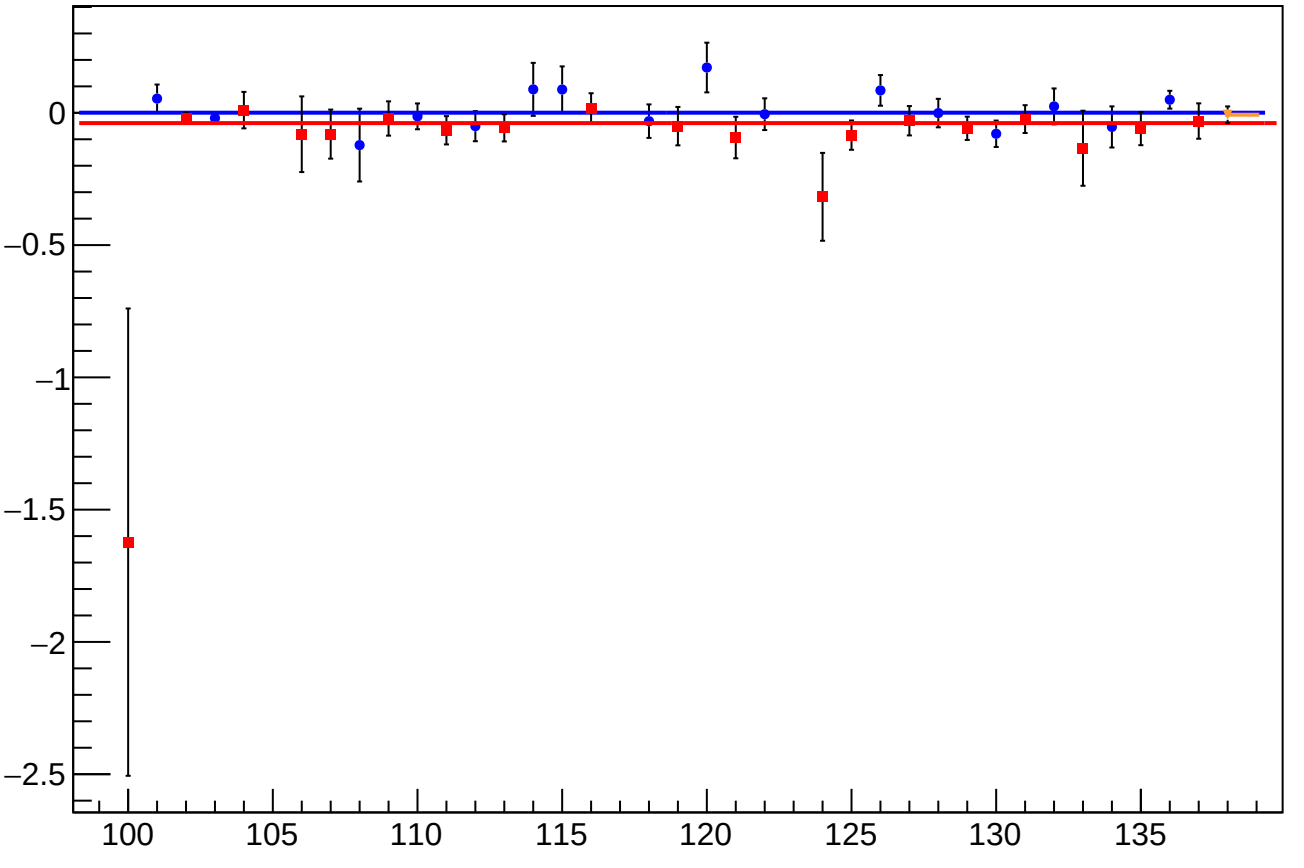
Left: 0.002+/-0.000 χ^2/NDF: 0.0/0

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2146798.7/15

Out: 0.001+/-0.000 χ^2/NDF:4477940.3/19

All: 0.002+/-0.000 χ^2/NDF: 6834451.4/35



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.031 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.007+/-0.031 χ^2/NDF: 0.0/0

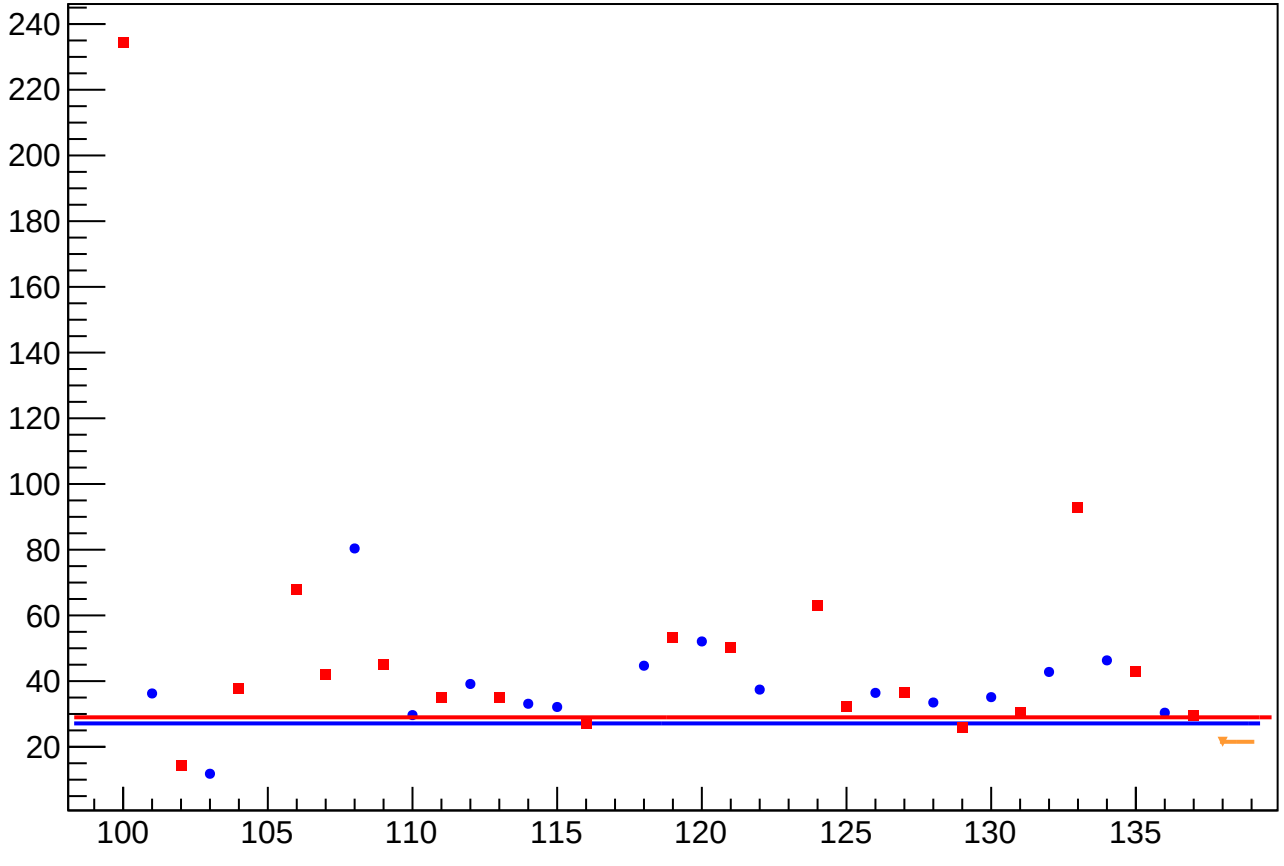
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.000+/-0.012 χ^2/NDF:16.5/15

Out: -0.034+/-0.012 χ^2/NDF:11.9/19

All: -0.017+/-0.008 χ^2/NDF: 32.7/35

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: 21.533+/-0.022 χ^2/NDF:0.0/0

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

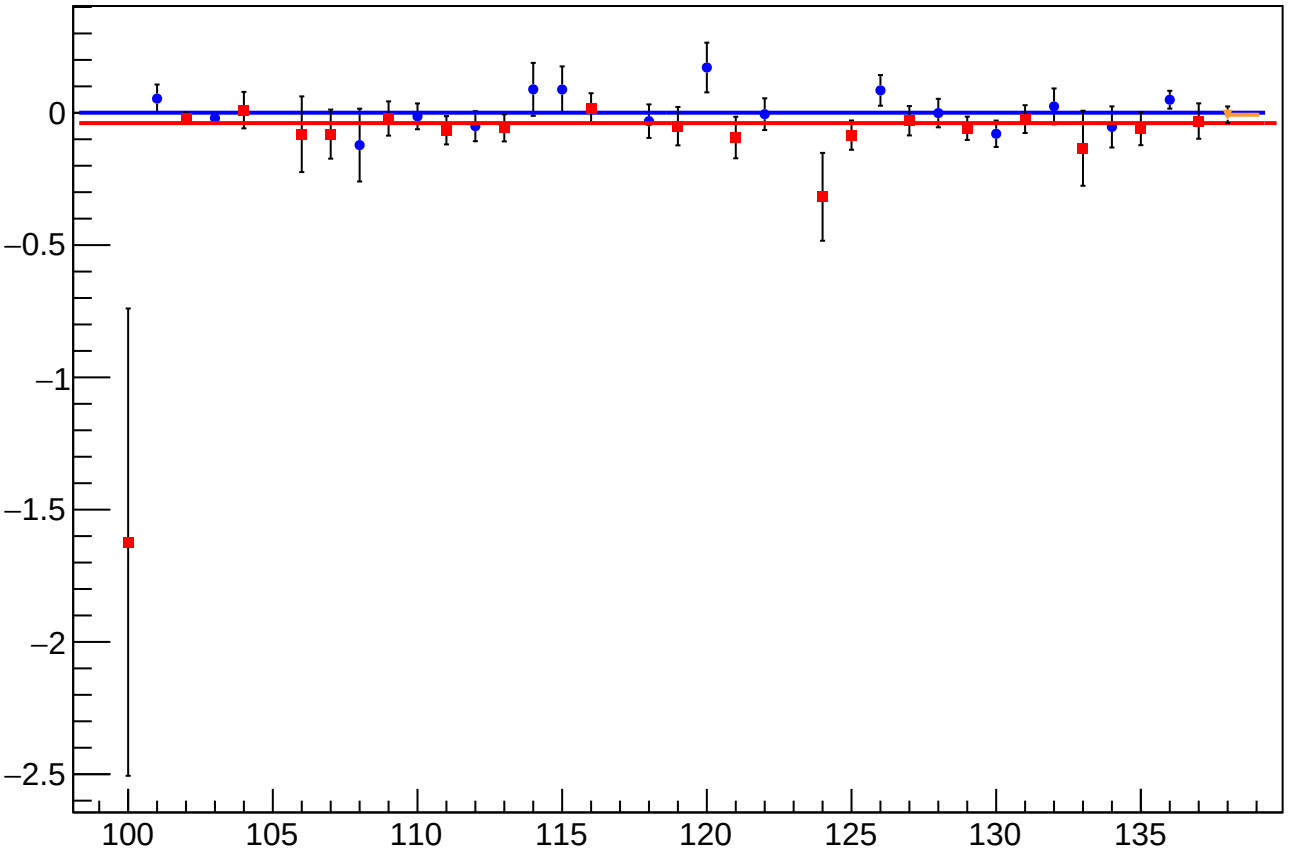
Left: 21.533+/-0.022 χ^2/NDF: 0.0/0

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 27.127+/-0.009 χ^2/NDF:2415651.3/15

Out: 27.942+/-0.008 χ^2/NDF:2552606.2/19

All: 27.546+/-0.006 χ^2/NDF: 4972964.9/35



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.031 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.007+/-0.031 χ^2/NDF: 0.0/0

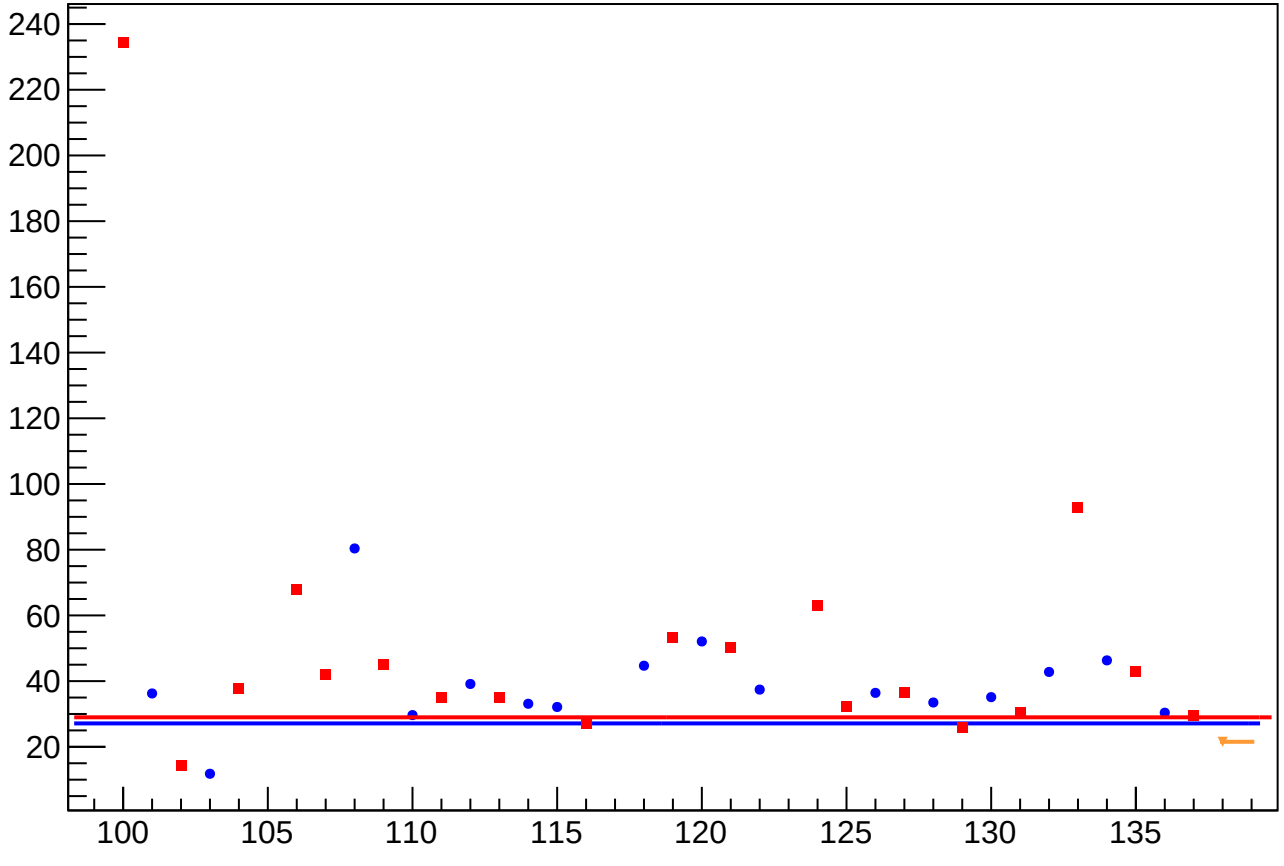
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.000+/-0.012 χ^2/NDF:16.5/15

Out: -0.034+/-0.012 χ^2/NDF:11.9/19

All: -0.017+/-0.008 χ^2/NDF: 32.7/35

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: 21.533+/-0.022 χ^2/NDF:0.0/0

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

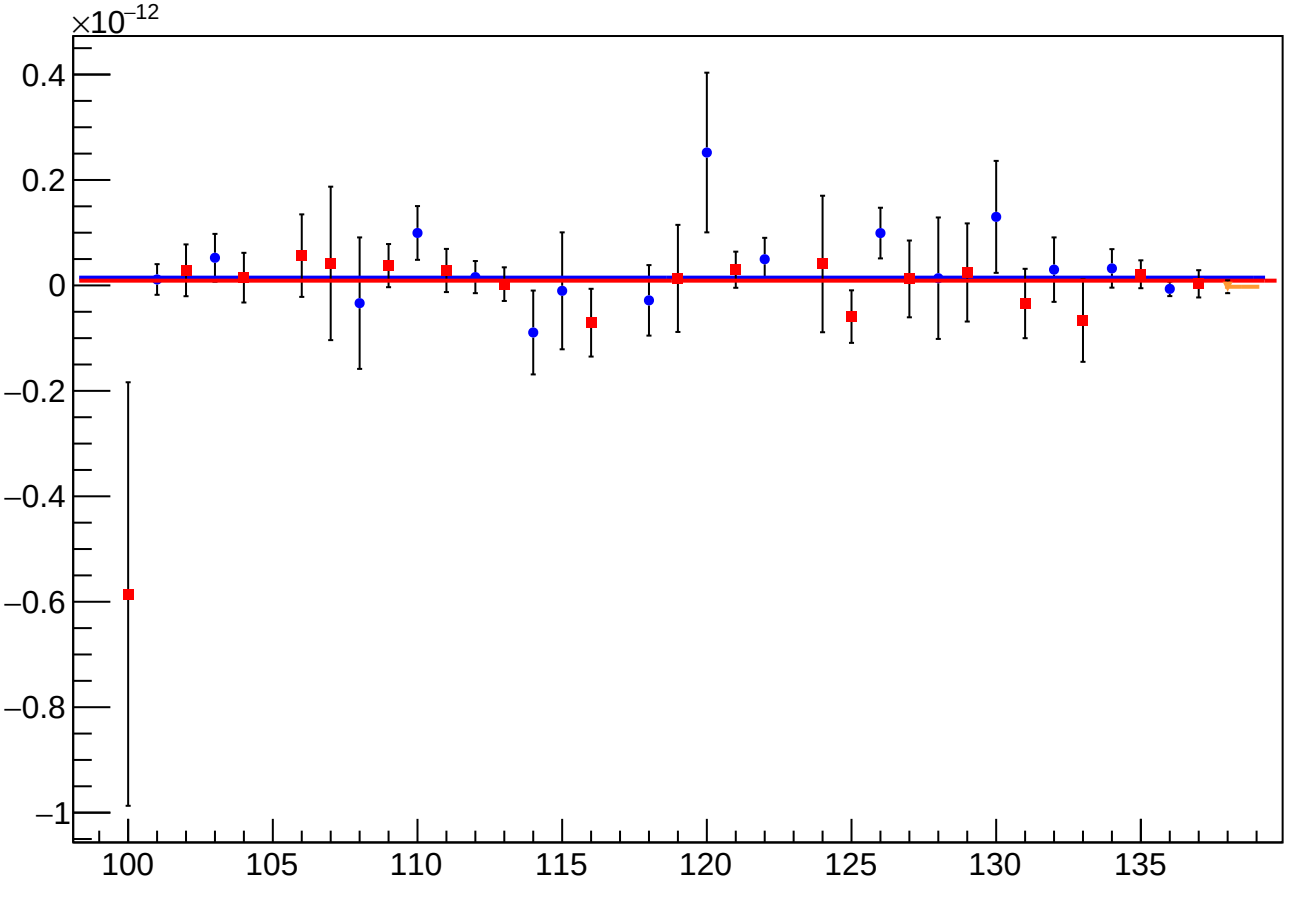
Left: 21.533+/-0.022 χ^2/NDF: 0.0/0

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 27.127+/-0.009 χ^2/NDF:2415651.3/15

Out: 27.942+/-0.008 χ^2/NDF:2552606.2/19

All: 27.546+/-0.006 χ^2/NDF: 4972964.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

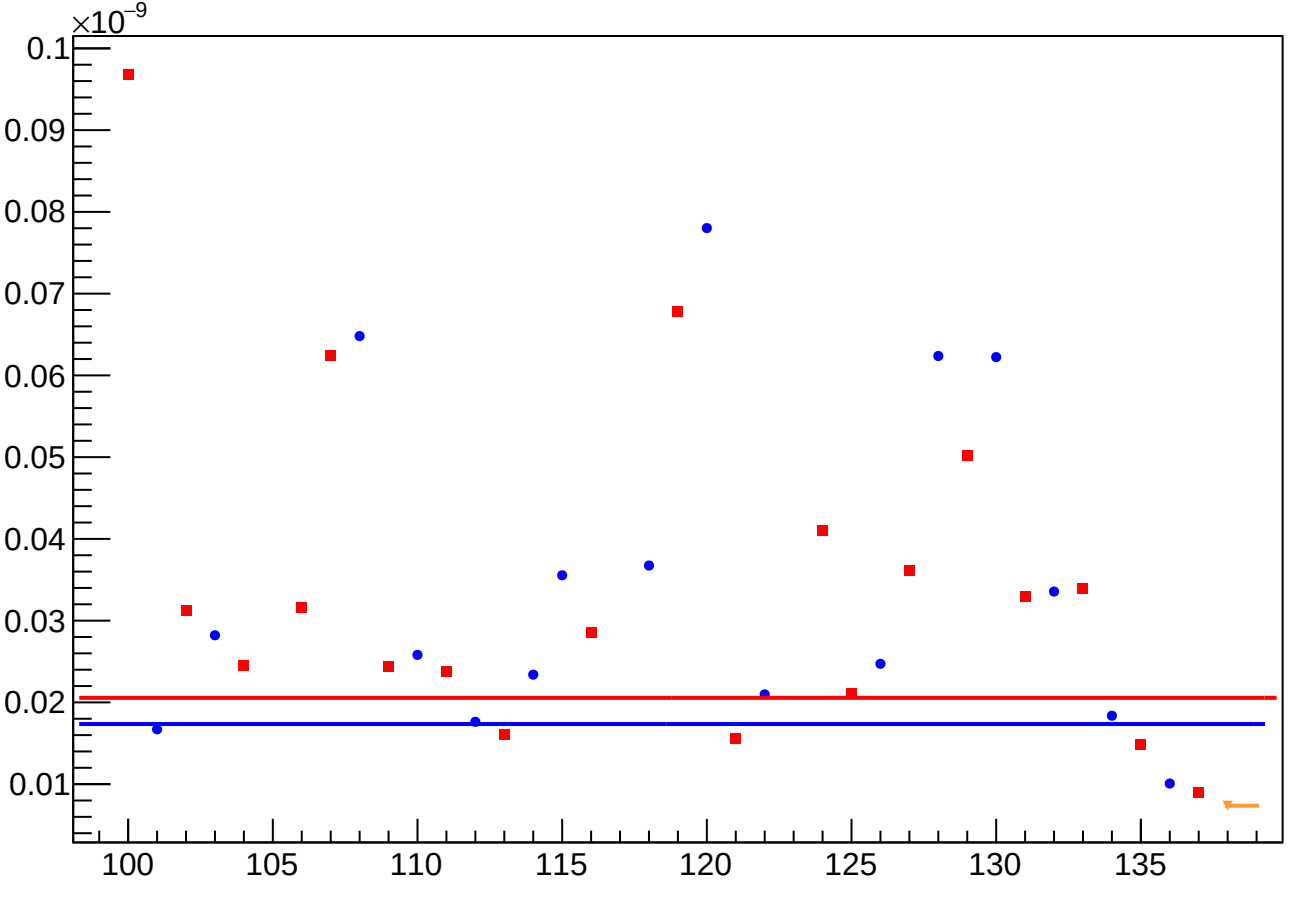
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:15.9/15

Out: 0.000+/-0.000 χ^2/NDF:9.5/19

All: 0.000+/-0.000 χ^2/NDF: 26.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

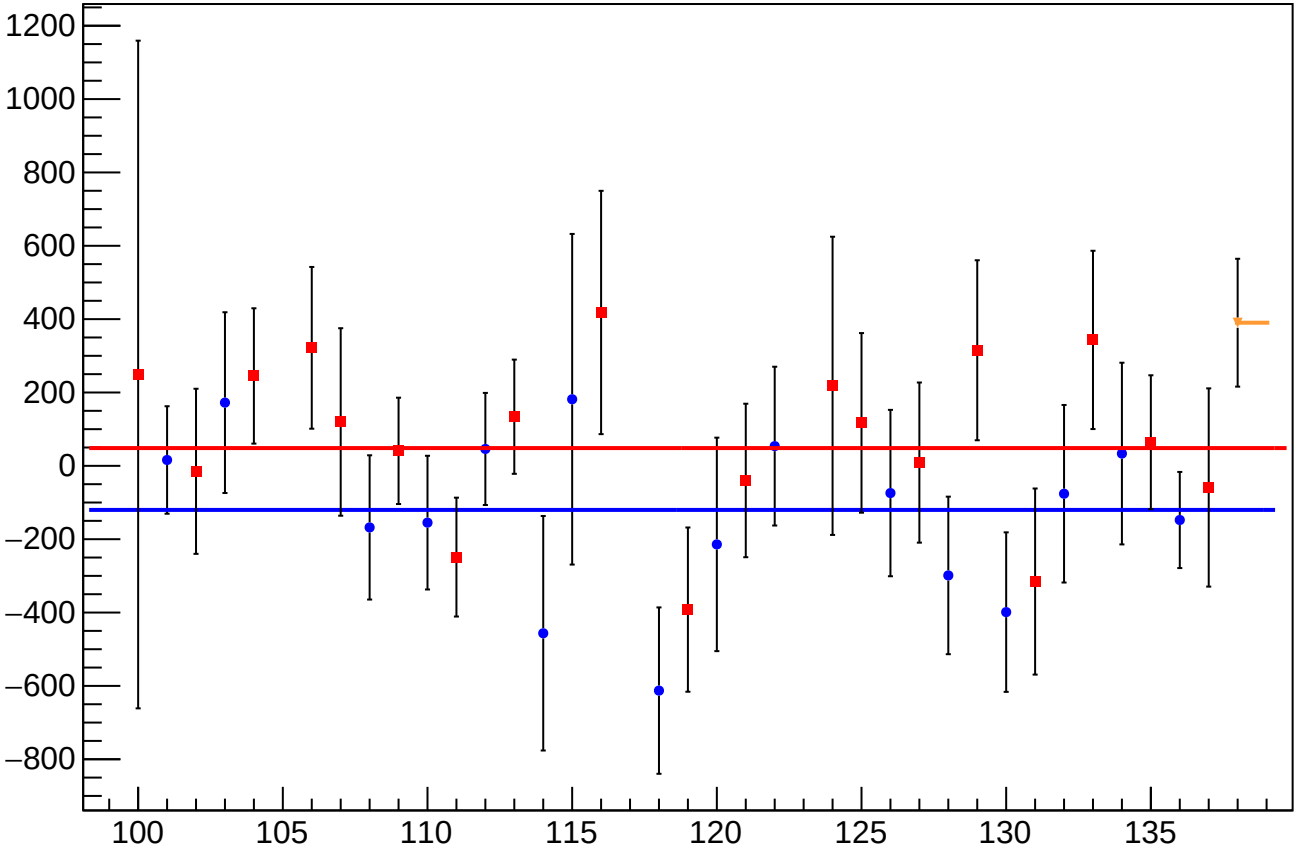
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:2442014.3/15

Out: 0.000+/-0.000 χ^2/NDF:3238036.7/19

All: 0.000+/-0.000 χ^2/NDF: 5769100.3/35

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 390.292+/-174.331 χ^2/NDF:0.0/0

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

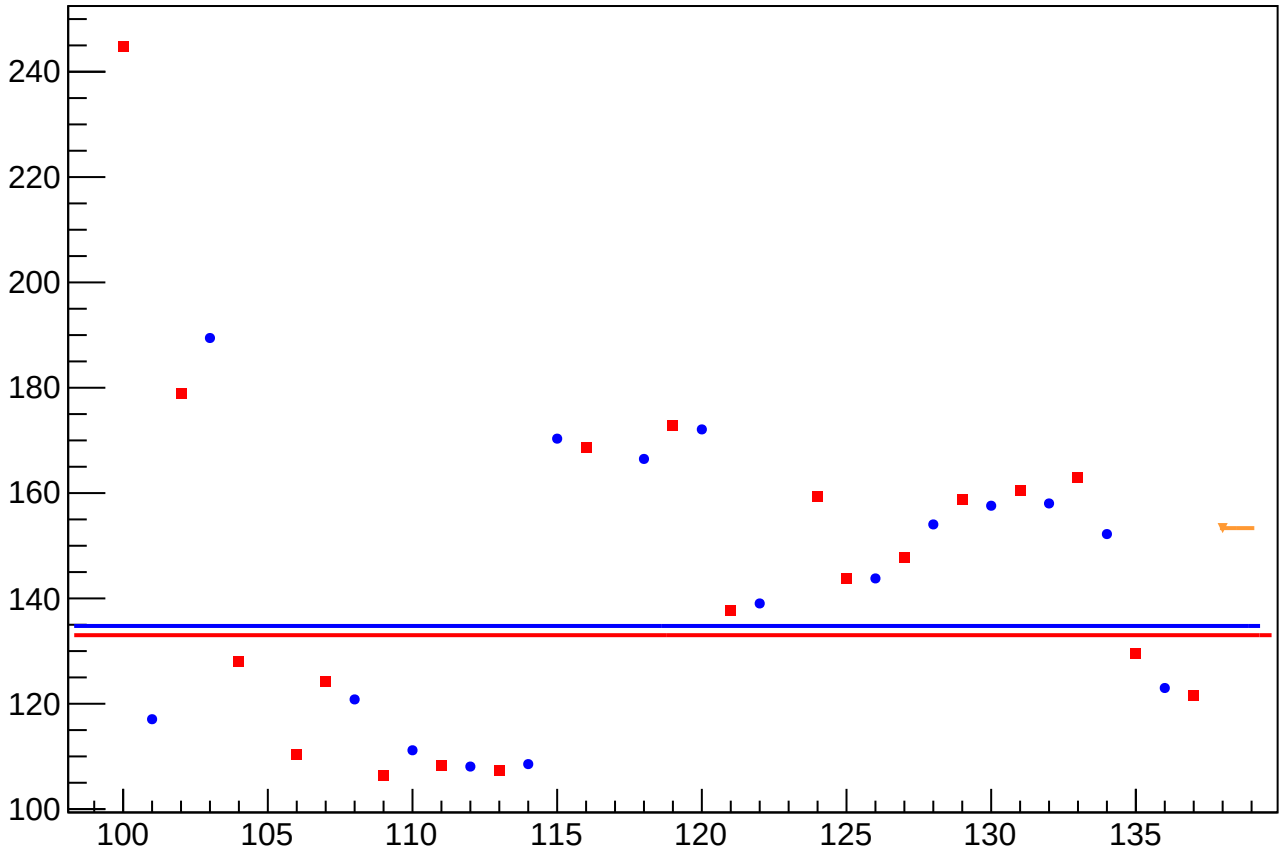
Left: 390.292+/-174.331 χ^2/NDF: 0.0/0

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -120.159+/-51.103 χ^2/NDF:13.4/15

Out: 74.345+/-47.982 χ^2/NDF:20.6/19

All: -16.786+/-34.980 χ^2/NDF: 41.7/35



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 153.348+/-0.123 χ^2/NDF:0.0/0

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

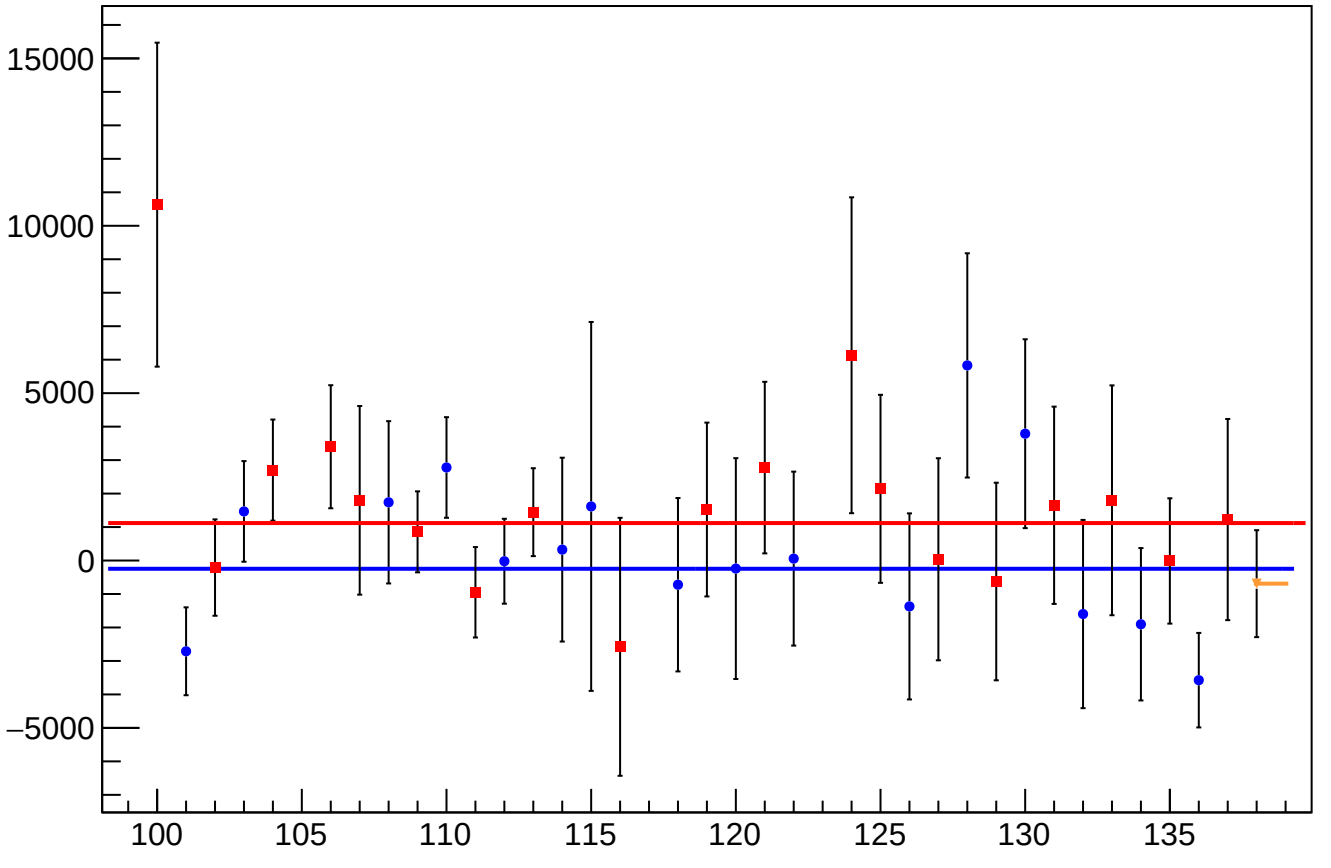
Left: 153.348+/-0.123 χ^2/NDF: 0.0/0

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 134.771+/-0.036 χ^2/NDF:416778.7/15

Out: 134.559+/-0.034 χ^2/NDF:520852.6/19

All: 134.659+/-0.025 χ^2/NDF: 937649.6/35



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -690.899+/-1597.631 χ^2/NDF:0.0/0

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

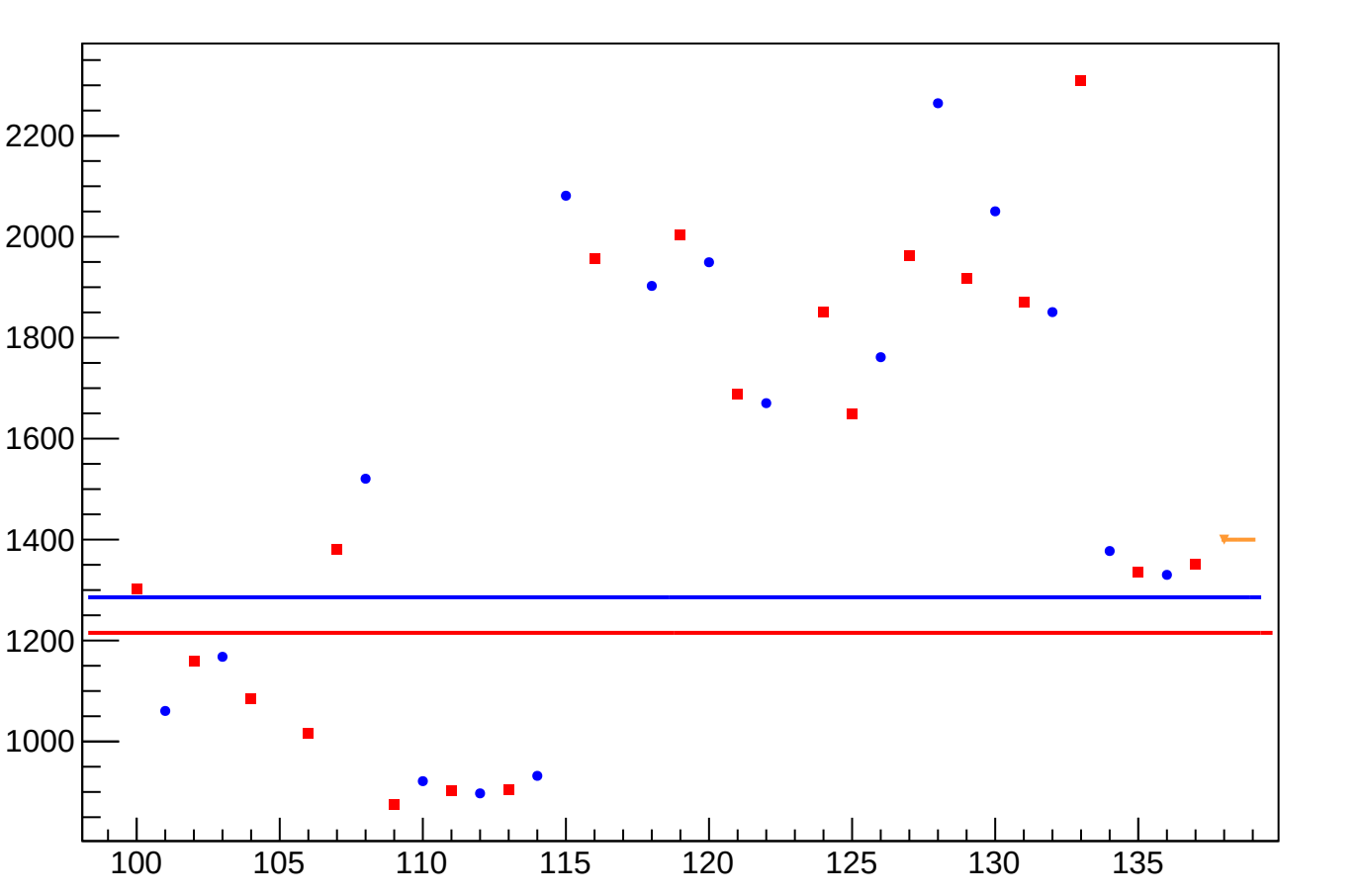
Left: -690.899+/-1597.631 χ^2/NDF: 0.0/0

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: -246.357+/-501.413 χ^2/NDF:21.6/15

Out: 976.128+/-449.480 χ^2/NDF:14.6/19

All: 431.453+/-334.690 χ^2/NDF: 39.5/35



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1399.894+/-1.130 χ^2/NDF:0.0/0

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

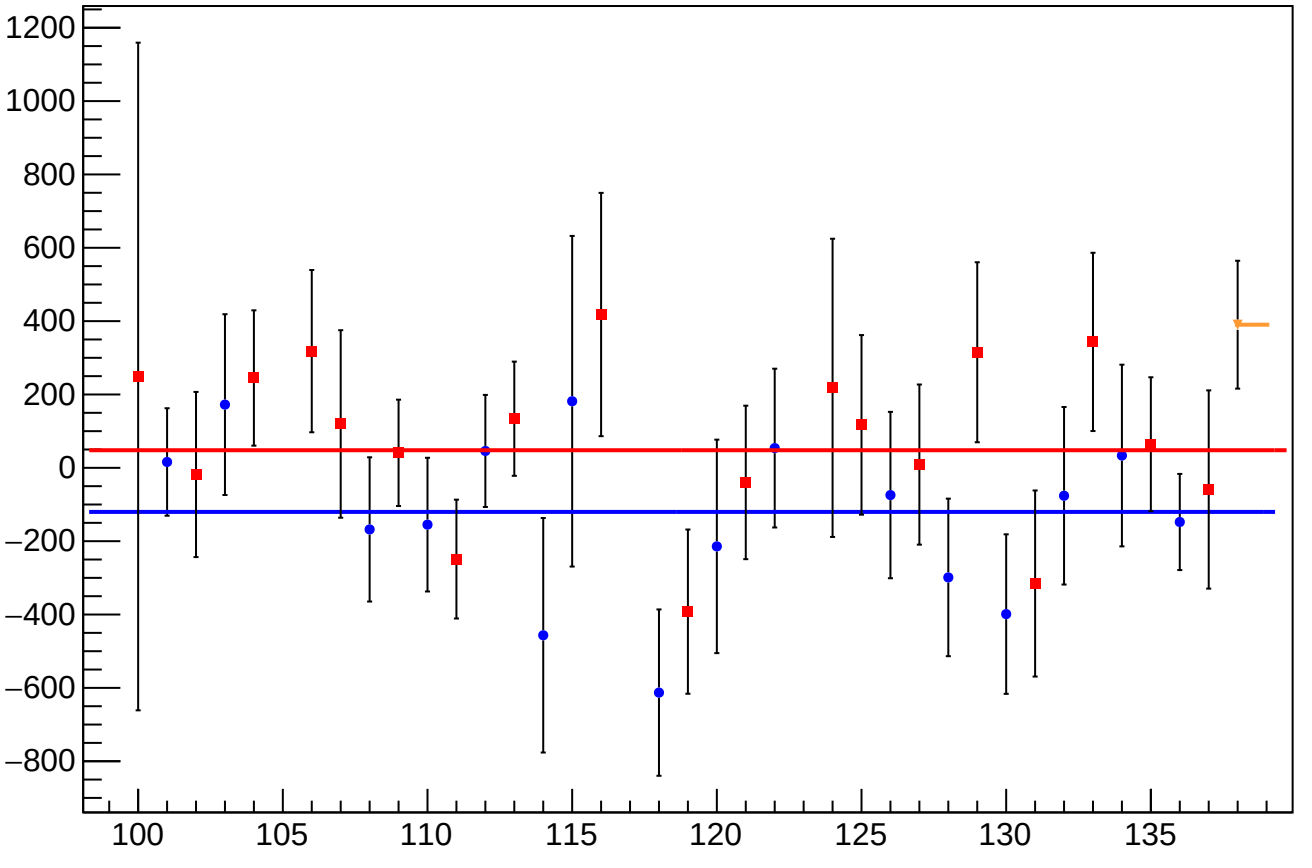
Left: 1399.894+/-1.130 χ^2/NDF: 0.0/0

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1285.668+/-0.355 χ^2/NDF:1170437.4/15

Out: 1229.853+/-0.318 χ^2/NDF:1410893.8/19

All: 1254.721+/-0.237 χ^2/NDF: 2595071.8/35



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 390.280+/-174.331 χ^2/NDF:0.0/0

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

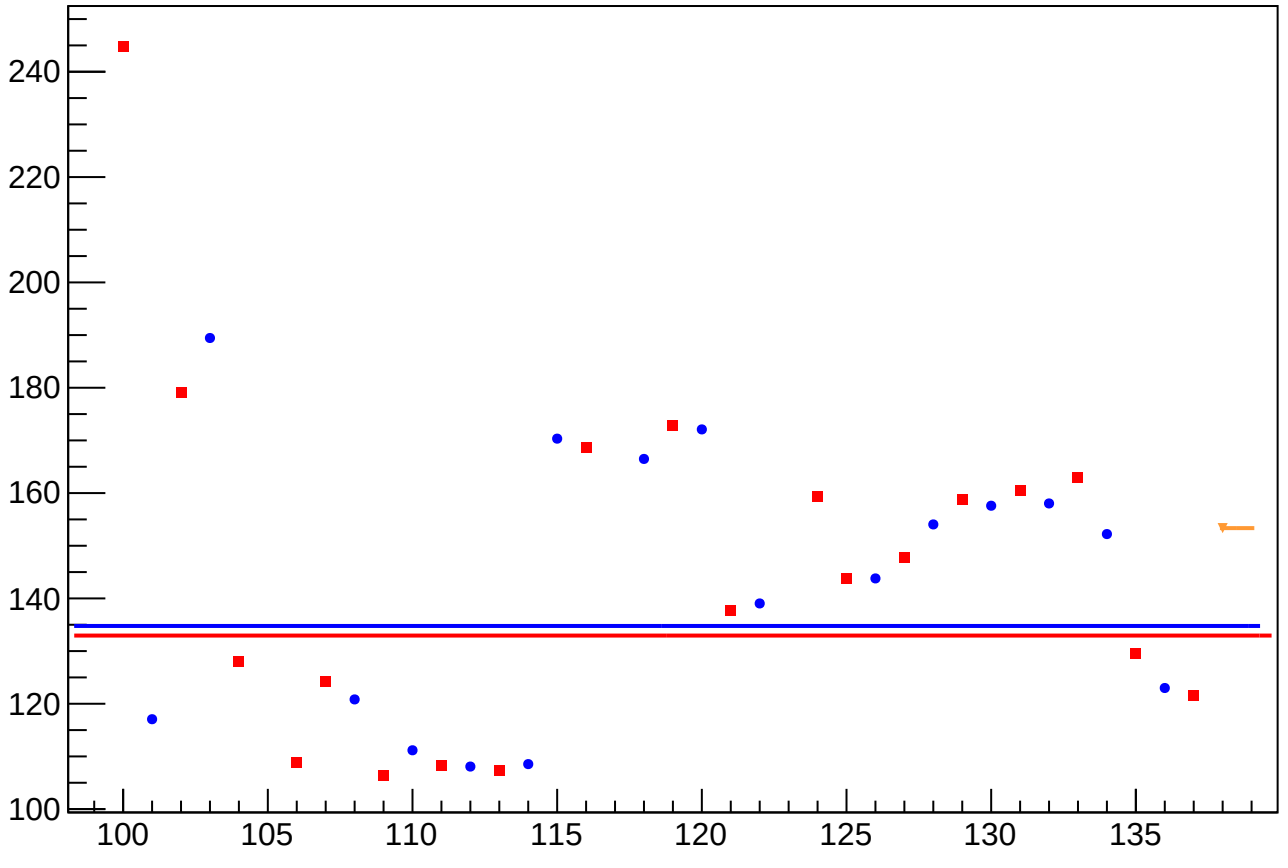
Left: 390.280+/-174.331 χ^2/NDF: 0.0/0

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -120.169+/-51.103 χ^2/NDF:13.4/15

Out: 73.950+/-47.990 χ^2/NDF:20.5/19

All: -17.018+/-34.983 χ^2/NDF: 41.6/35



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 153.348+/-0.123 χ^2/NDF:0.0/0

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

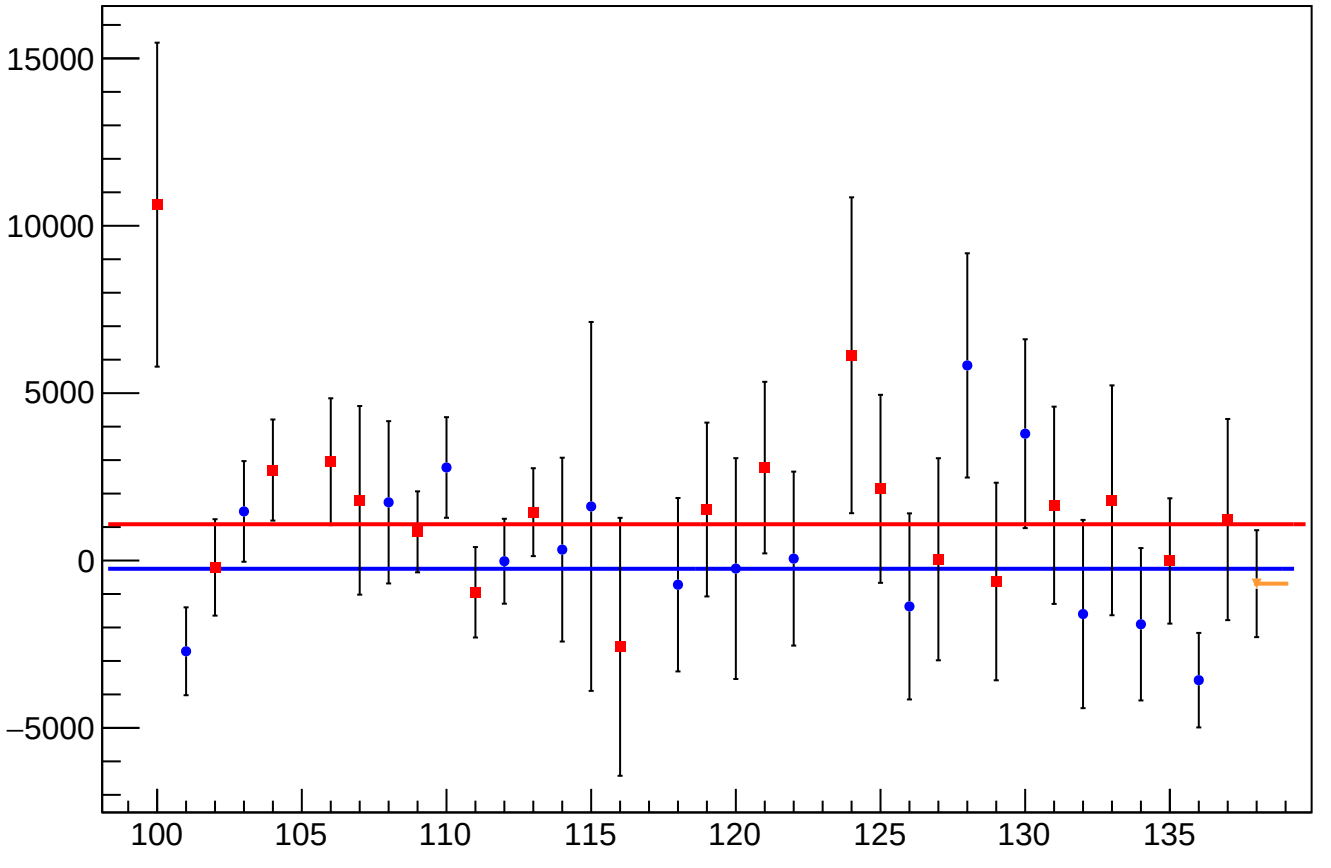
Left: 153.348+/-0.123 χ^2/NDF: 0.0/0

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.771+/-0.036 χ^2/NDF:416781.8/15

Out: 134.493+/-0.034 χ^2/NDF:524164.8/19

All: 134.623+/-0.025 χ^2/NDF: 940978.0/35



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -690.915+/-1597.630 χ^2/NDF:0.0/0

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

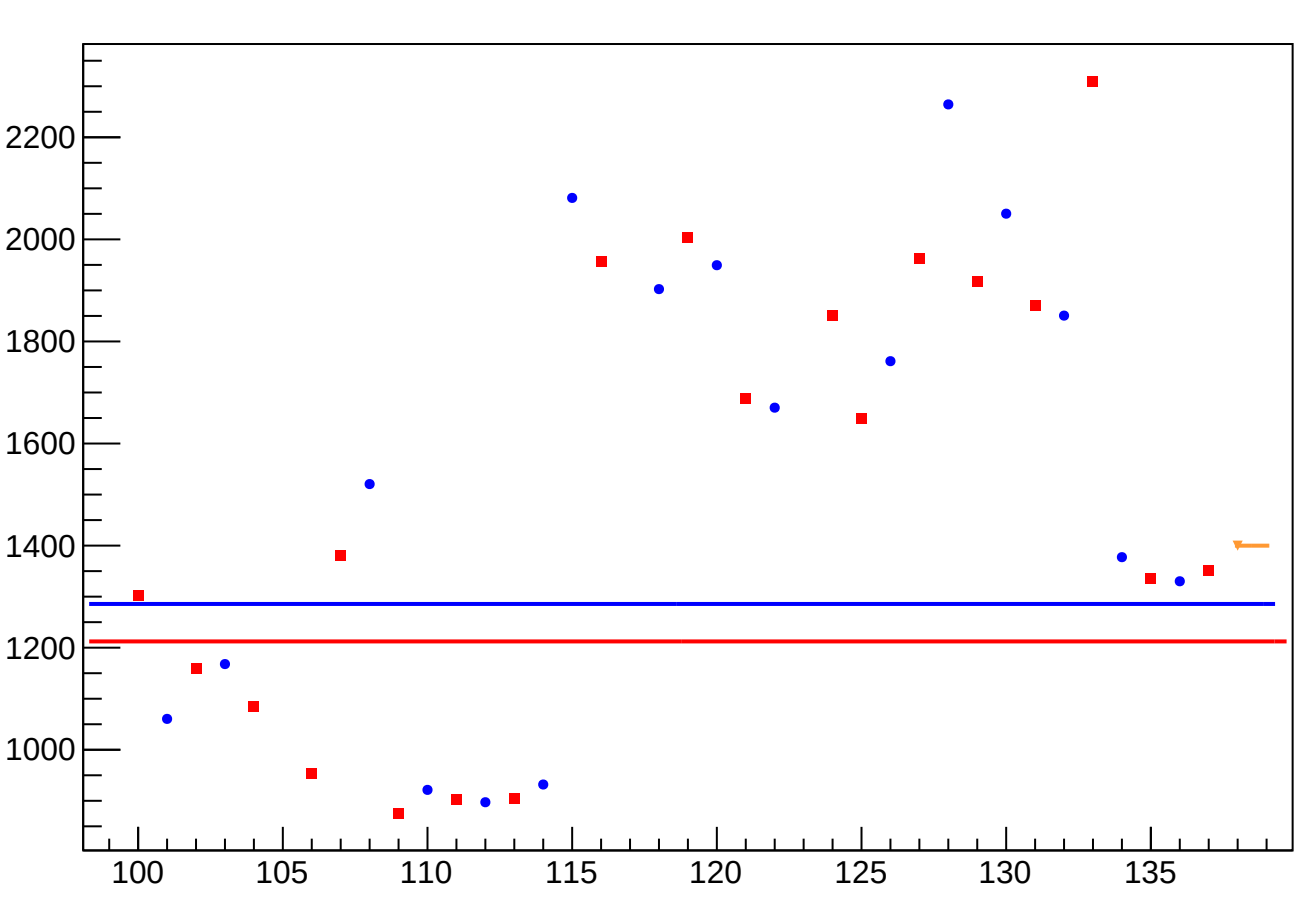
Left: -690.915+/-1597.630 χ^2/NDF: 0.0/0

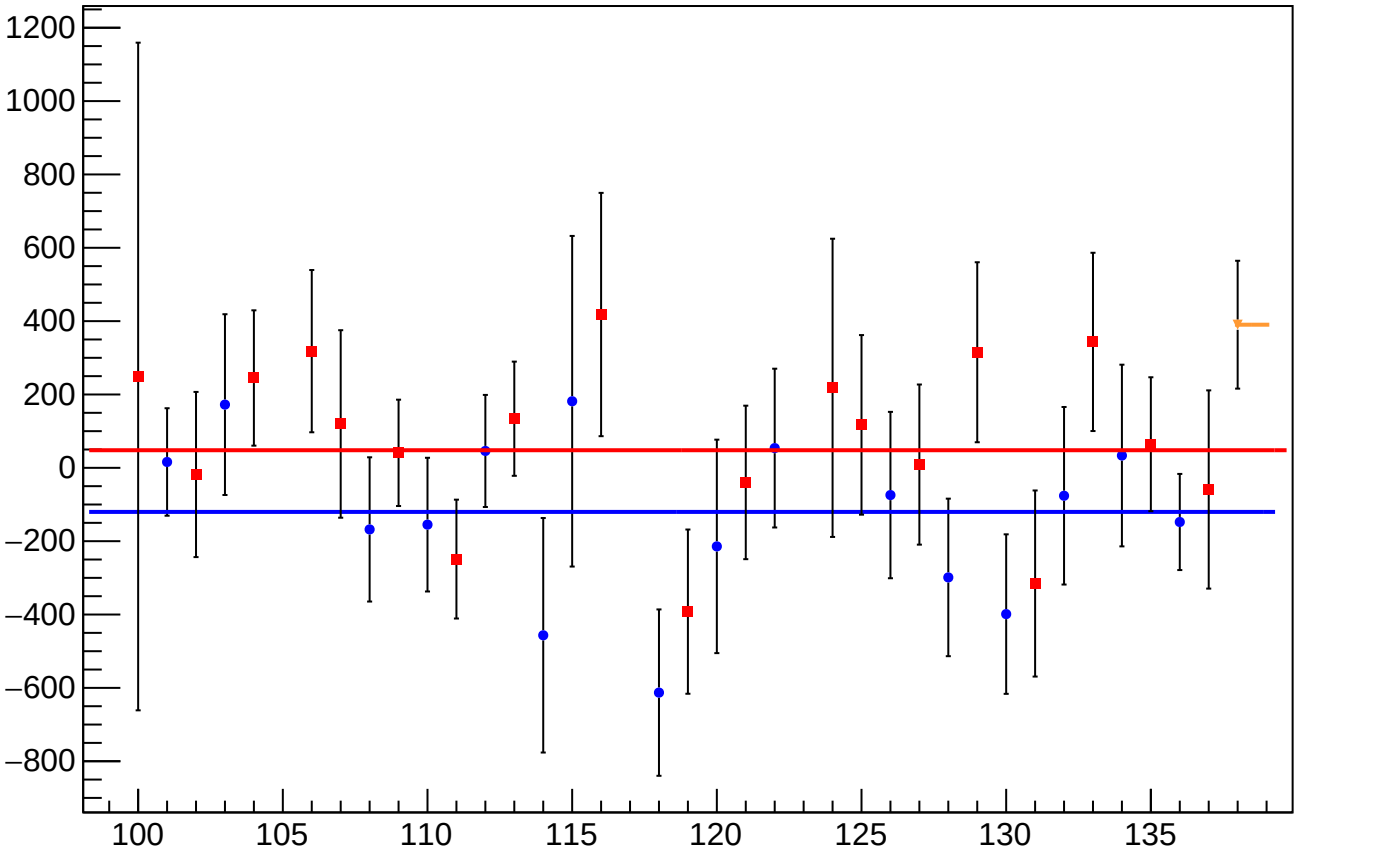
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: -246.428+/-501.418 χ^2/NDF:21.6/15

Out: 943.086+/-450.296 χ^2/NDF:13.9/19

All: 412.041+/-335.028 χ^2/NDF: 38.6/35


asym_sam_48_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
100
105
110
115
120
125
130
135
Right In: 1285.682+/-0.355 χ²/NDF: 1170412.5/15
Left Out: 1399.893+/-1.130 χ²/NDF:0.0/0
Right Out: 1212.276+/-0.332 χ²/NDF: 1400635.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1399.893+/-1.130 χ²/NDF: 0.0/0
Right: 1246.554+/-0.242 χ²/NDF: 2593895.7/34
In: 1285.682+/-0.355 χ²/NDF:1170412.5/15
Out: 1227.180+/-0.318 χ²/NDF:1426026.2/19
All: 1253.297+/-0.237 χ²/NDF: 2611509.4/35



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 390.280+/-174.331 χ^2/NDF:0.0/0

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

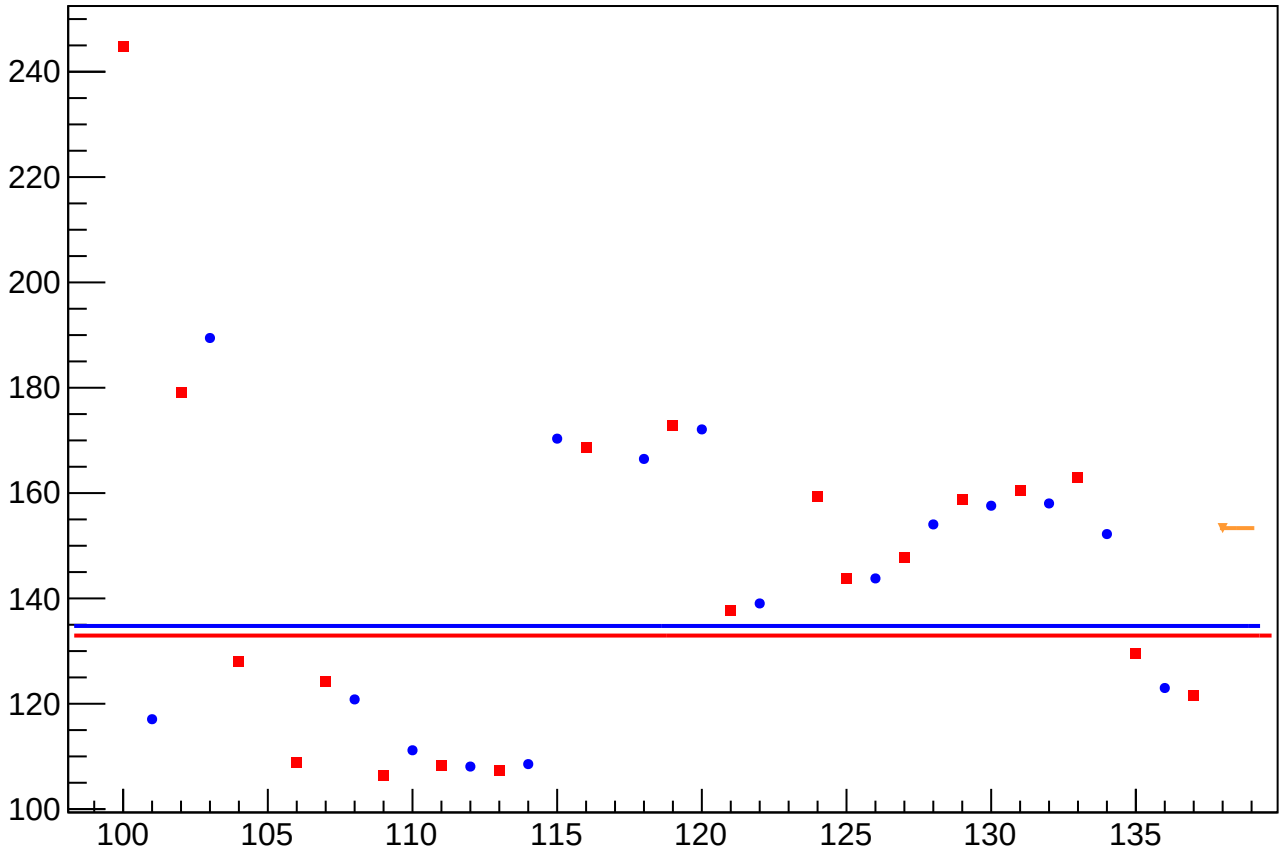
Left: 390.280+/-174.331 χ^2/NDF: 0.0/0

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -120.169+/-51.103 χ^2/NDF:13.4/15

Out: 73.950+/-47.990 χ^2/NDF:20.5/19

All: -17.018+/-34.983 χ^2/NDF: 41.6/35



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 153.348+/-0.123 χ^2/NDF:0.0/0

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 153.348+/-0.123 χ^2/NDF: 0.0/0

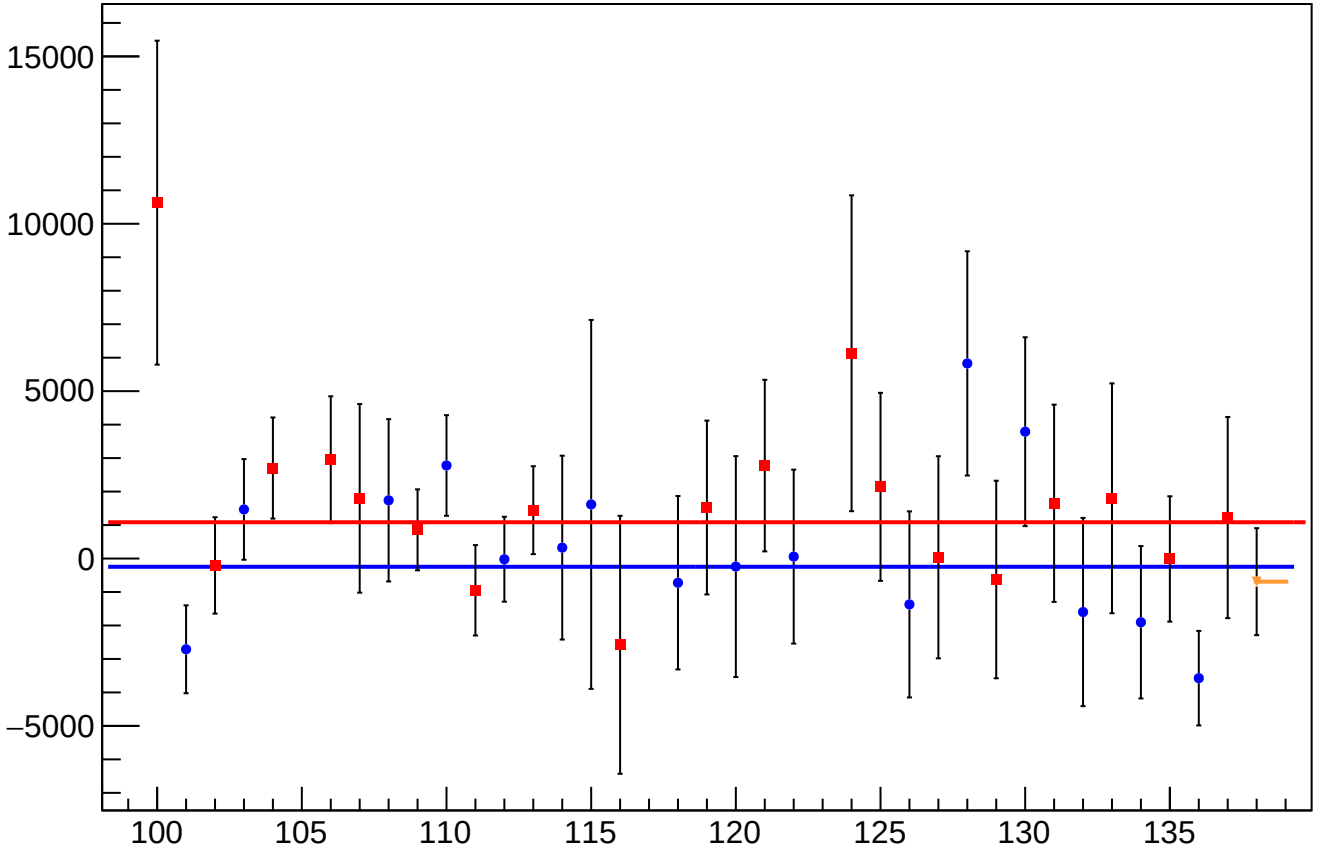
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.771+/-0.036 χ^2/NDF:416781.8/15

Out: 134.493+/-0.034 χ^2/NDF:524164.8/19

All: 134.623+/-0.025 χ^2/NDF: 940978.0/35

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: -690.915+/-1597.630 χ^2/NDF:0.0/0

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

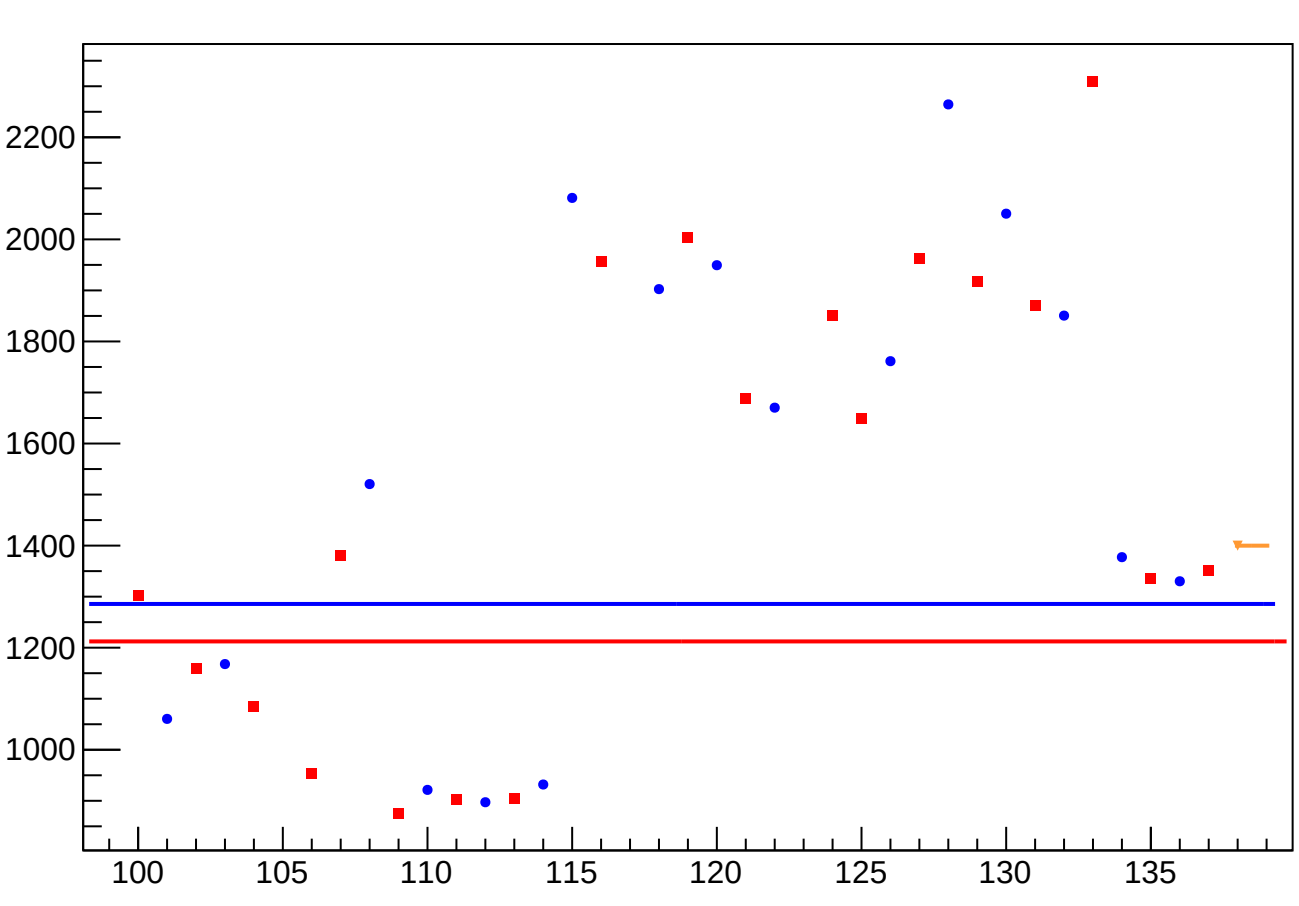
Left: -690.915+/-1597.630 χ^2/NDF: 0.0/0

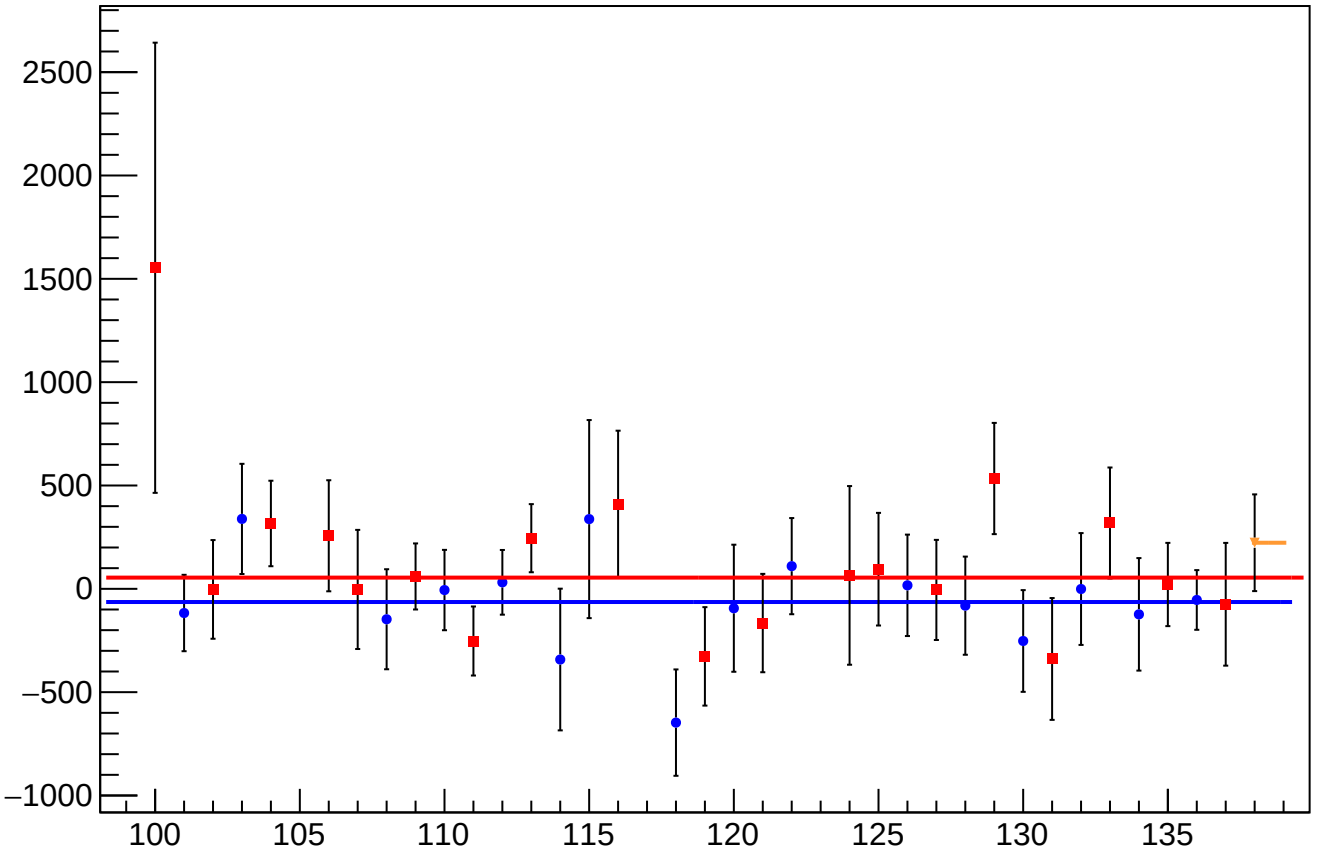
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: -246.428+/-501.418 χ^2/NDF:21.6/15

Out: 943.086+/-450.296 χ^2/NDF:13.9/19

All: 412.041+/-335.028 χ^2/NDF: 38.6/35


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
Right In: 1285.682+/-0.355 χ²/NDF: 1170412.5/15
Left Out: 1399.893+/-1.130 χ²/NDF:0.0/0
Right Out: 1212.276+/-0.332 χ²/NDF: 1400635.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1399.893+/-1.130 χ²/NDF: 0.0/0
Right: 1246.554+/-0.242 χ²/NDF: 2593895.7/34
In: 1285.682+/-0.355 χ²/NDF:1170412.5/15
Out: 1227.180+/-0.318 χ²/NDF:1426026.2/19
All: 1253.297+/-0.237 χ²/NDF: 2611509.4/35



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 223.013+/-234.007 χ^2/NDF:0.0/0

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

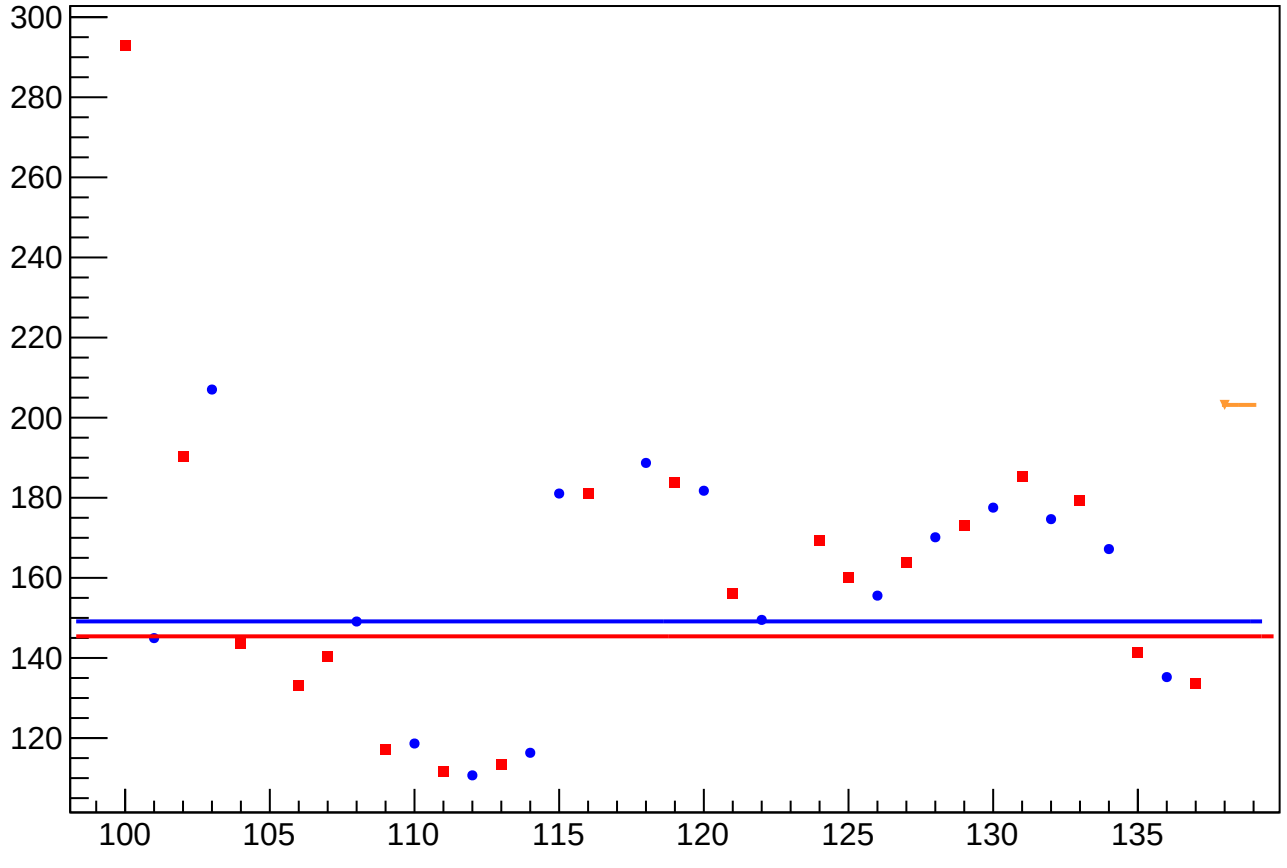
Left: 223.013+/-234.007 χ^2/NDF: 0.0/0

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: -63.781+/-56.734 χ^2/NDF:10.8/15

Out: 63.059+/-53.304 χ^2/NDF:20.0/19

All: 3.589+/-38.847 χ^2/NDF: 33.5/35



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 203.183+/-0.165 χ^2/NDF:0.0/0

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

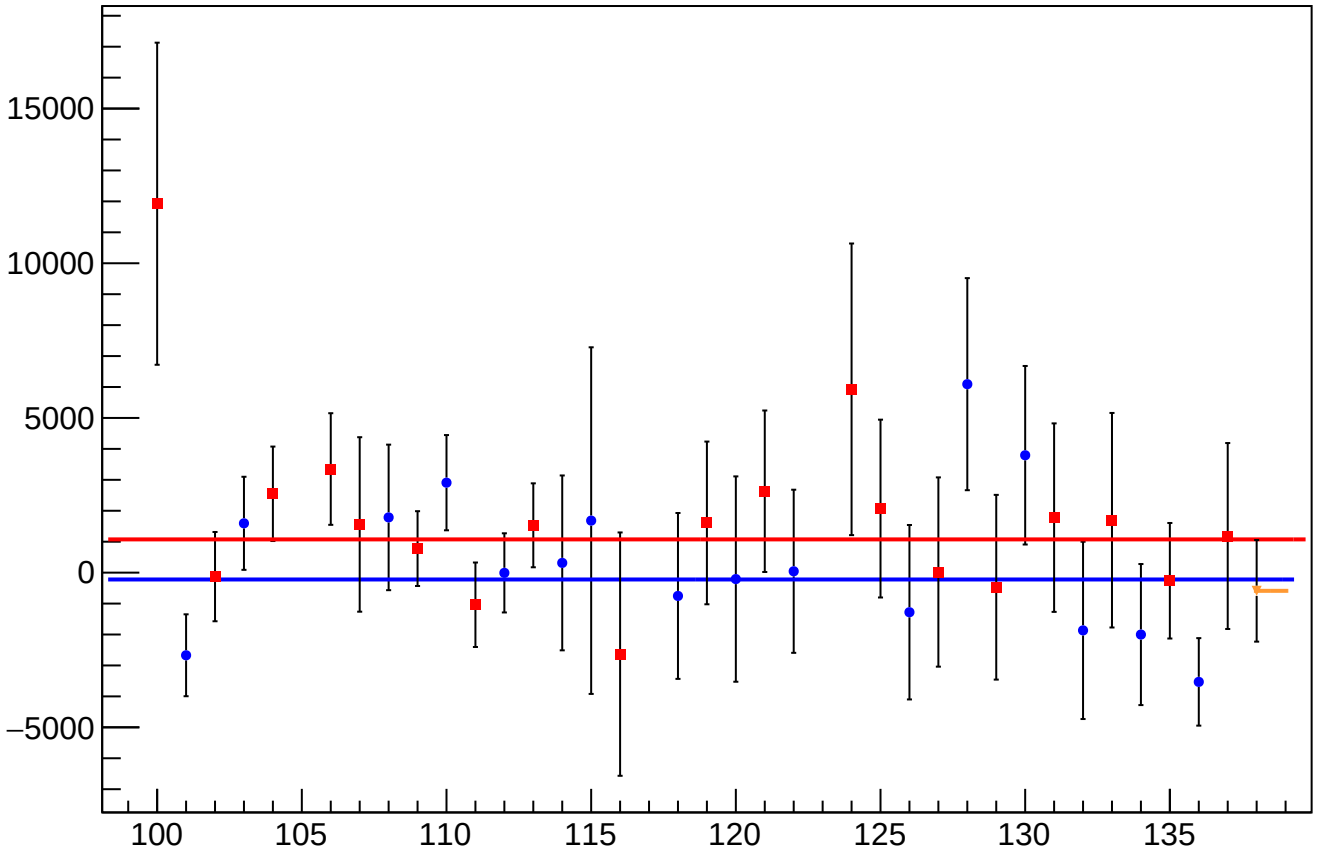
Left: 203.183+/-0.165 χ^2/NDF: 0.0/0

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 149.130+/-0.040 χ^2/NDF:451003.6/15

Out: 148.397+/-0.038 χ^2/NDF:641441.7/19

All: 148.741+/-0.027 χ^2/NDF: 1092622.5/35



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -588.241+/-1642.236 χ^2/NDF:0.0/0

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

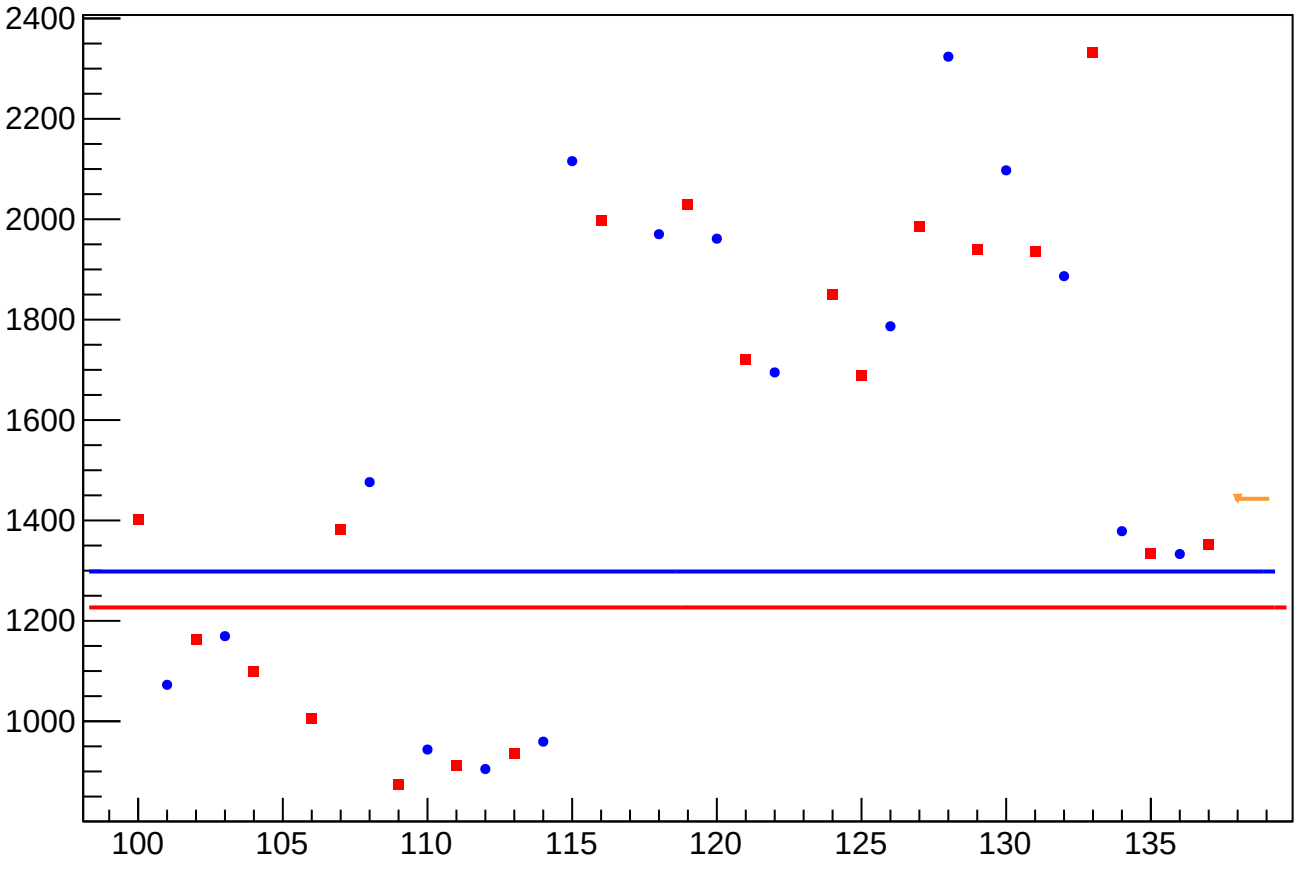
Left: -588.241+/-1642.236 χ^2/NDF: 0.0/0

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: -221.240+/-506.202 χ^2/NDF:21.9/15

Out: 947.160+/-454.360 χ^2/NDF:14.6/19

All: 425.836+/-338.128 χ^2/NDF: 39.4/35



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1443.163+/-1.161 χ^2/NDF:0.0/0

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

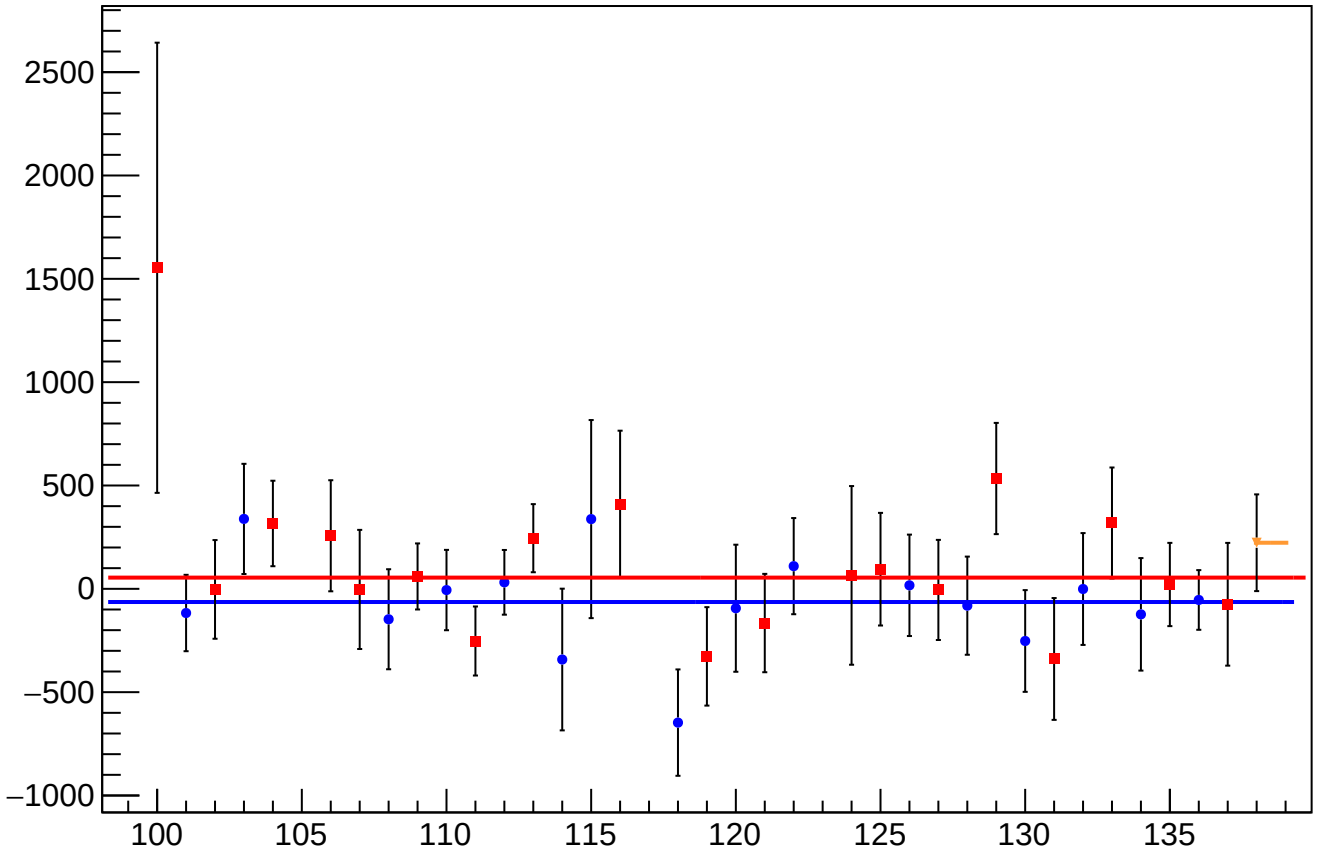
Left: 1443.163+/-1.161 χ^2/NDF: 0.0/0

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1298.293+/-0.358 χ^2/NDF:1182123.0/15

Out: 1243.296+/-0.321 χ^2/NDF:1436601.0/19

All: 1267.835+/-0.239 χ^2/NDF: 2631798.6/35



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 223.005+/-234.007 χ^2/NDF:0.0/0

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

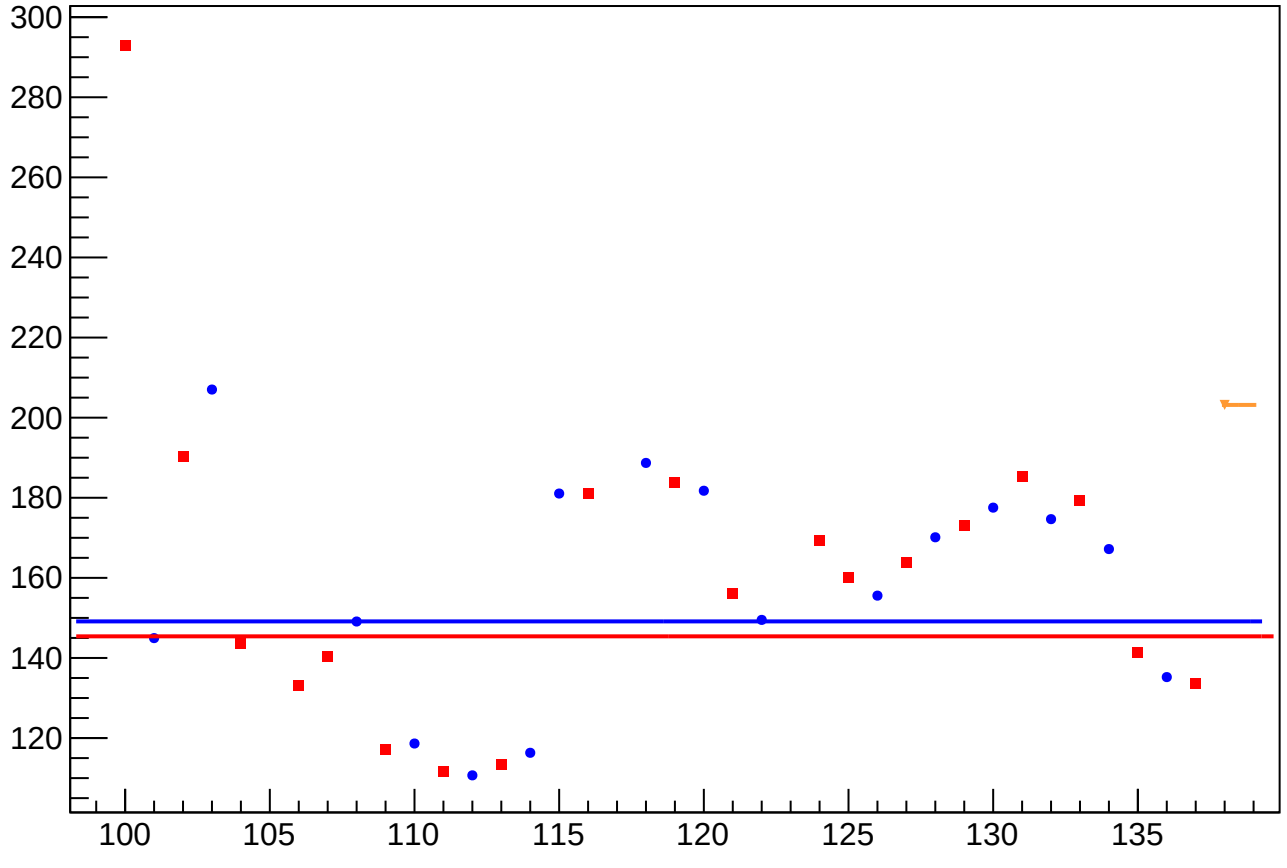
Left: 223.005+/-234.007 χ^2/NDF: 0.0/0

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: -63.778+/-56.734 χ^2/NDF:10.8/15

Out: 63.058+/-53.303 χ^2/NDF:20.0/19

All: 3.590+/-38.847 χ^2/NDF: 33.5/35


eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected
300
280
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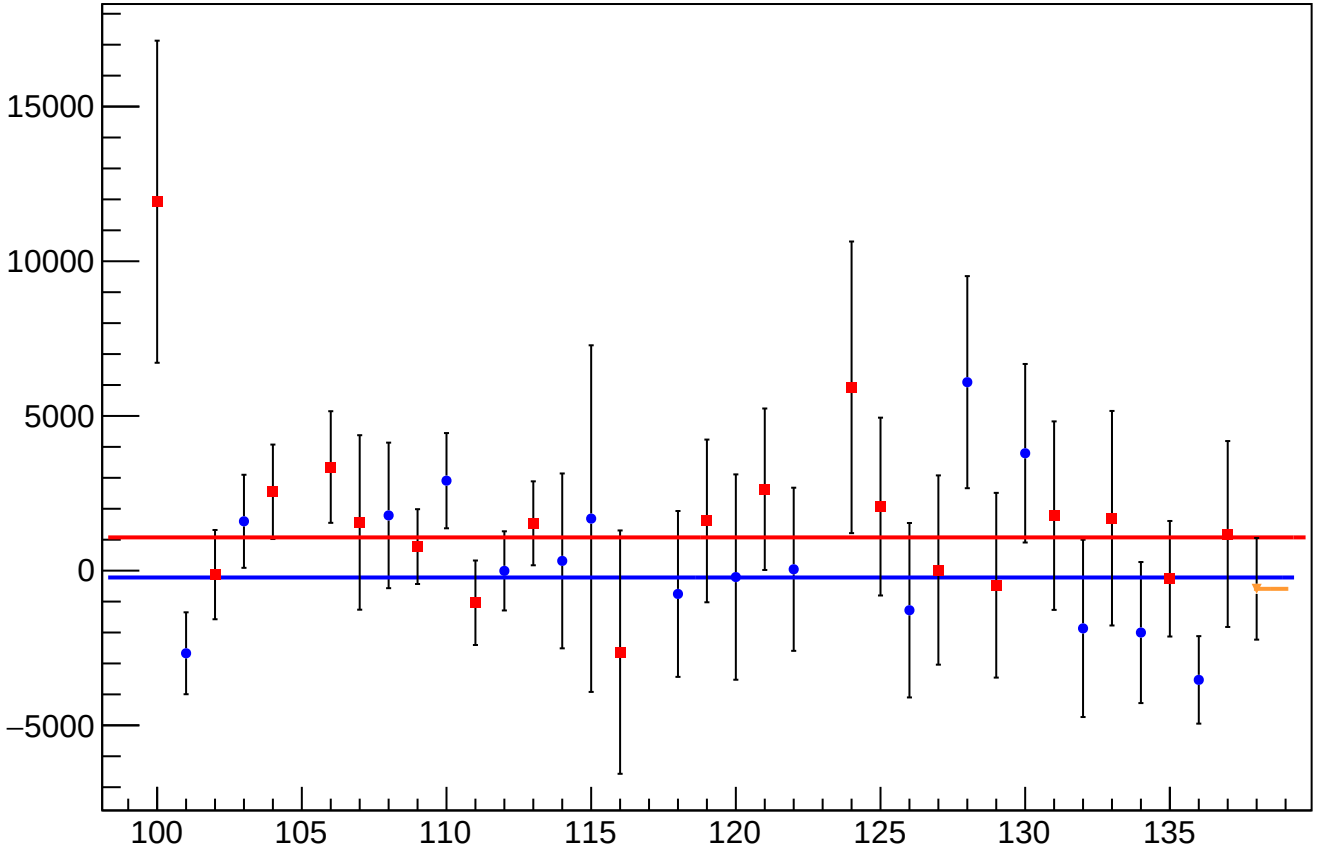
240
220
200
180
160
140
120
100
105
110
115
120
125
130
135
Right In: 149.130+/-0.040 χ²/NDF: 451005.1/15
Left Out: 203.182+/-0.165 χ²/NDF:0.0/0
Right Out: 145.399+/-0.039 χ²/NDF: 525822.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 203.182+/-0.165 χ²/NDF: 0.0/0
Right: 147.198+/-0.028 χ²/NDF: 981307.0/34
In: 149.130+/-0.040 χ²/NDF:451005.1/15
Out: 148.397+/-0.038 χ²/NDF:641442.2/19
All: 148.741+/-0.027 χ²/NDF: 1092624.7/35

asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -588.251+/-1642.231 χ^2/NDF:0.0/0

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

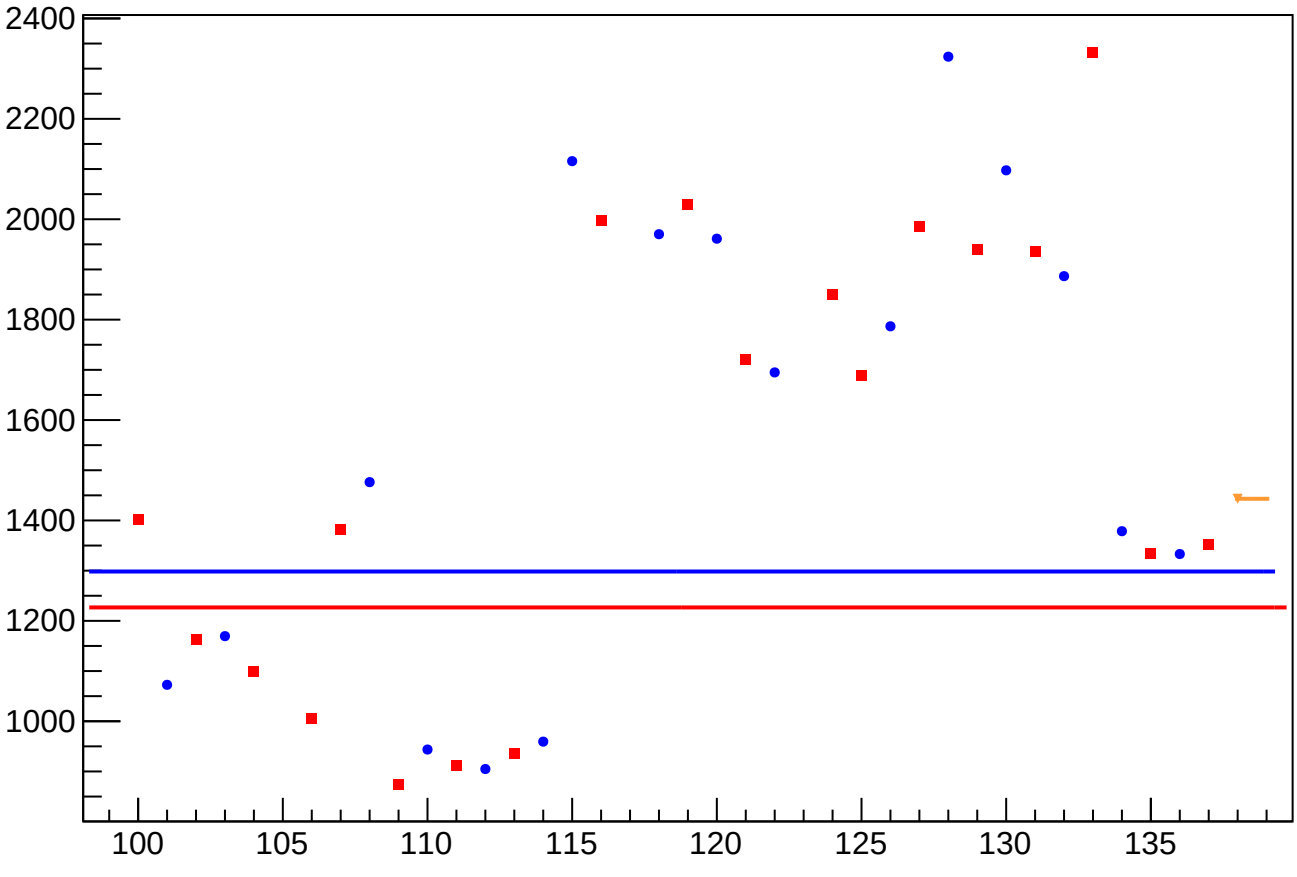
Left: -588.251+/-1642.231 χ^2/NDF: 0.0/0

Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: -221.239+/-506.201 χ^2/NDF:21.9/15

Out: 947.158+/-454.359 χ^2/NDF:14.6/19

All: 425.835+/-338.128 χ^2/NDF: 39.4/35



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1443.159+/-1.161 χ^2/NDF:0.0/0

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

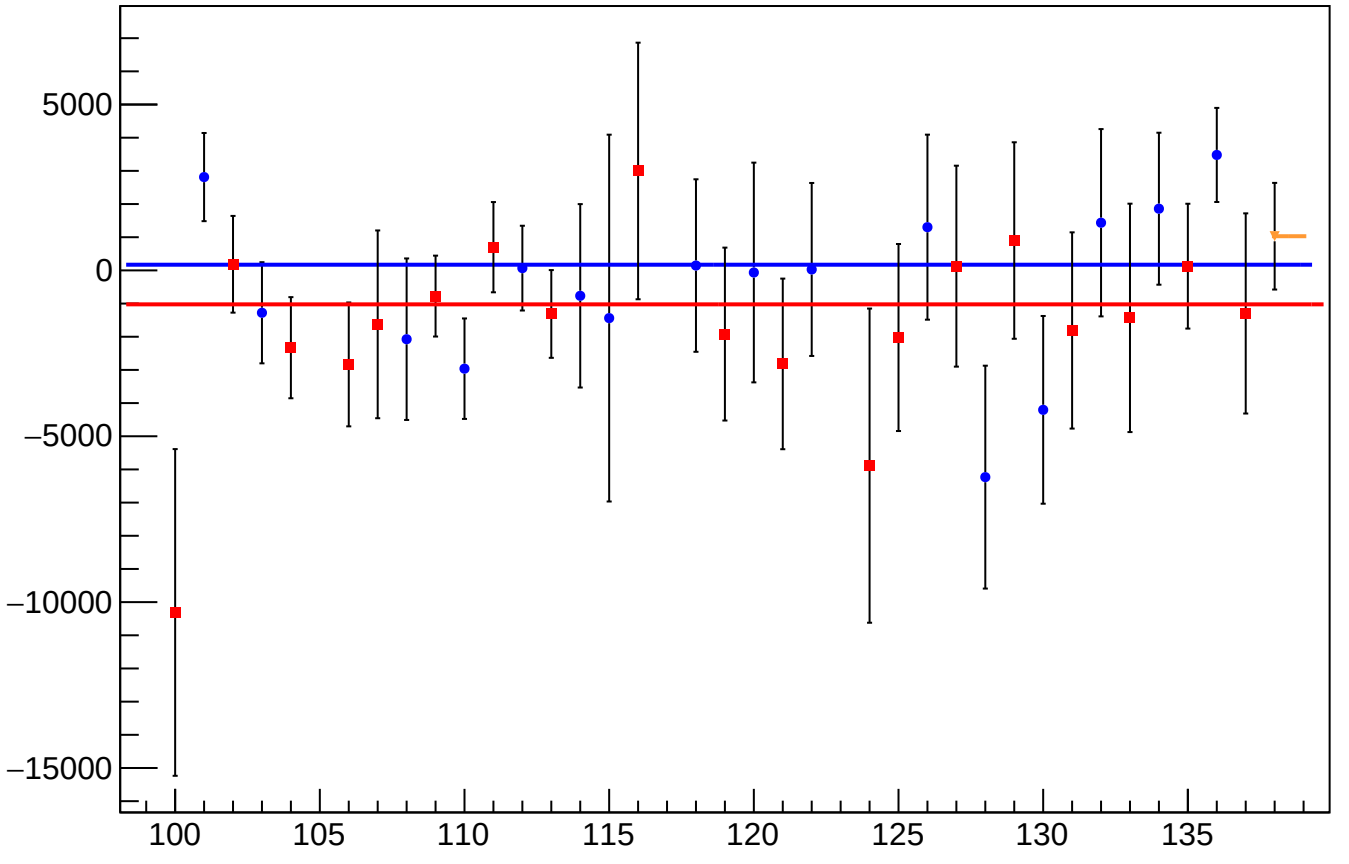
Left: 1443.159+/-1.161 χ^2/NDF: 0.0/0

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1298.292+/-0.358 χ^2/NDF:1182127.2/15

Out: 1243.294+/-0.321 χ^2/NDF:1436603.4/19

All: 1267.833+/-0.239 χ^2/NDF: 2631805.3/35



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1030.130+/-1607.520 χ^2/NDF:0.0/0

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

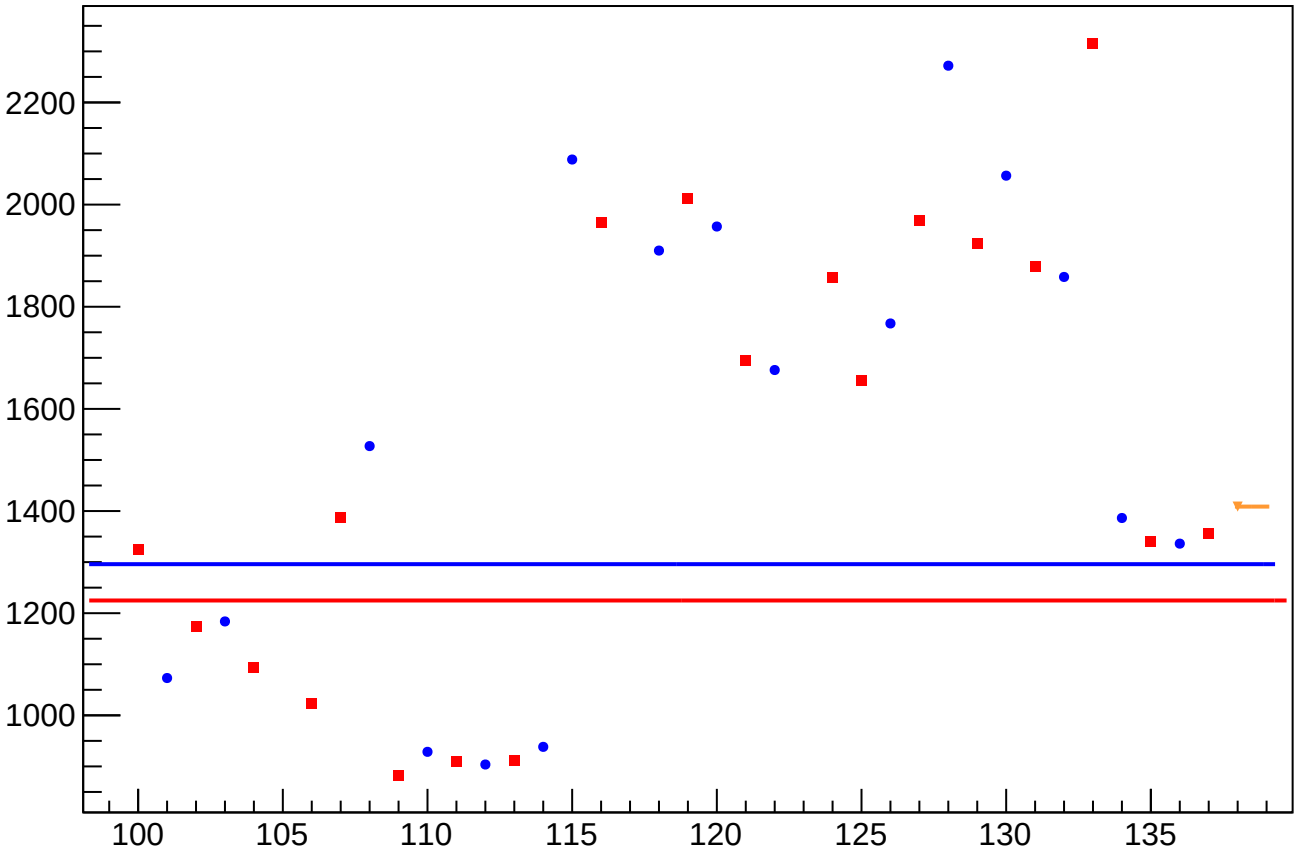
Left: 1030.130+/-1607.520 χ^2/NDF: 0.0/0

Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: 171.056+/-505.136 χ^2/NDF:22.6/15

Out: -860.681+/-452.889 χ^2/NDF:13.1/19

All: -400.913+/-337.204 χ^2/NDF: 38.0/35



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1408.717+/-1.137 χ^2/NDF:0.0/0

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

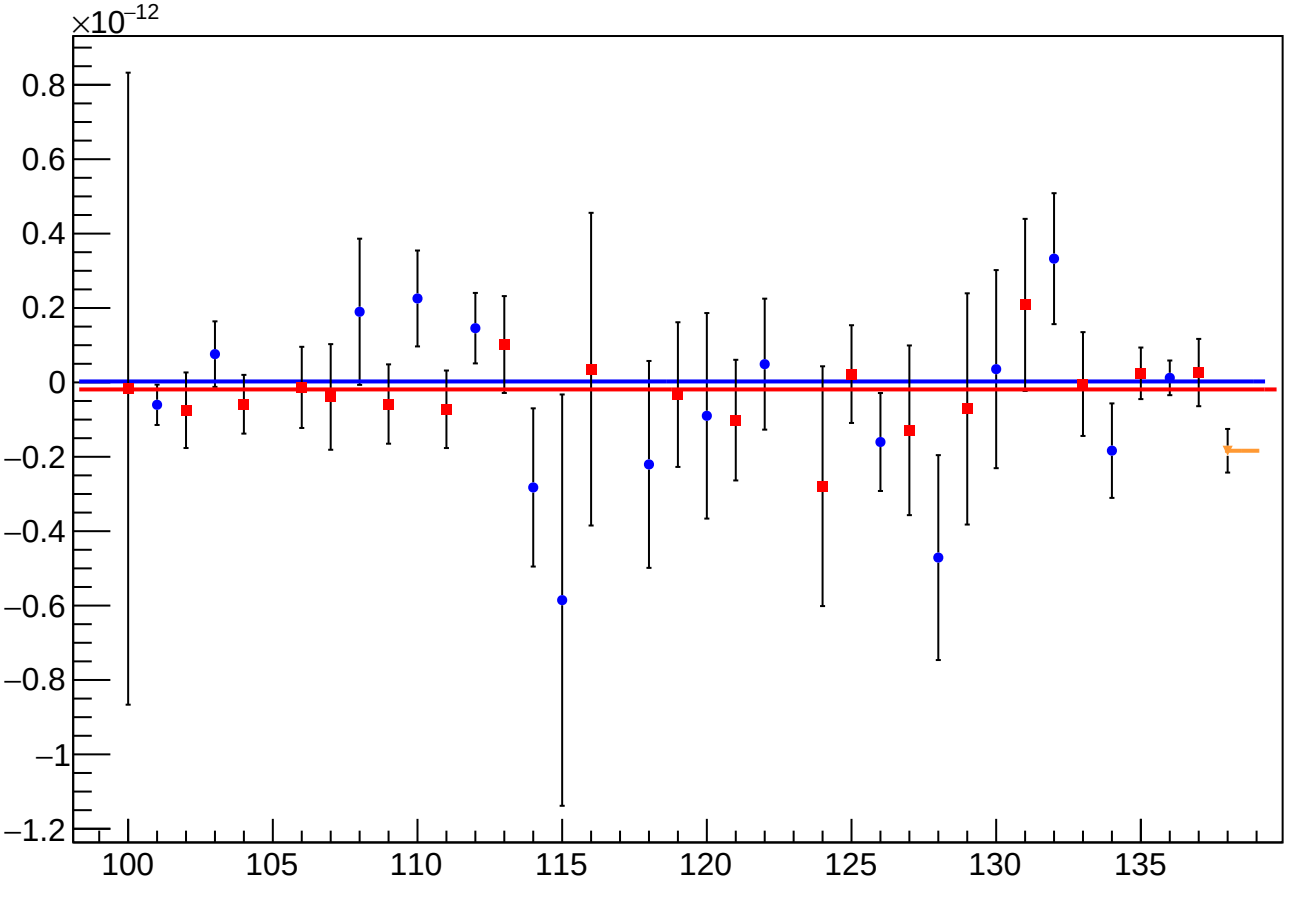
Left: 1408.717+/-1.137 χ^2/NDF: 0.0/0

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1295.987+/-0.357 χ^2/NDF:1154185.9/15

Out: 1239.464+/-0.320 χ^2/NDF:1395367.9/19

All: 1264.652+/-0.238 χ^2/NDF: 2563436.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

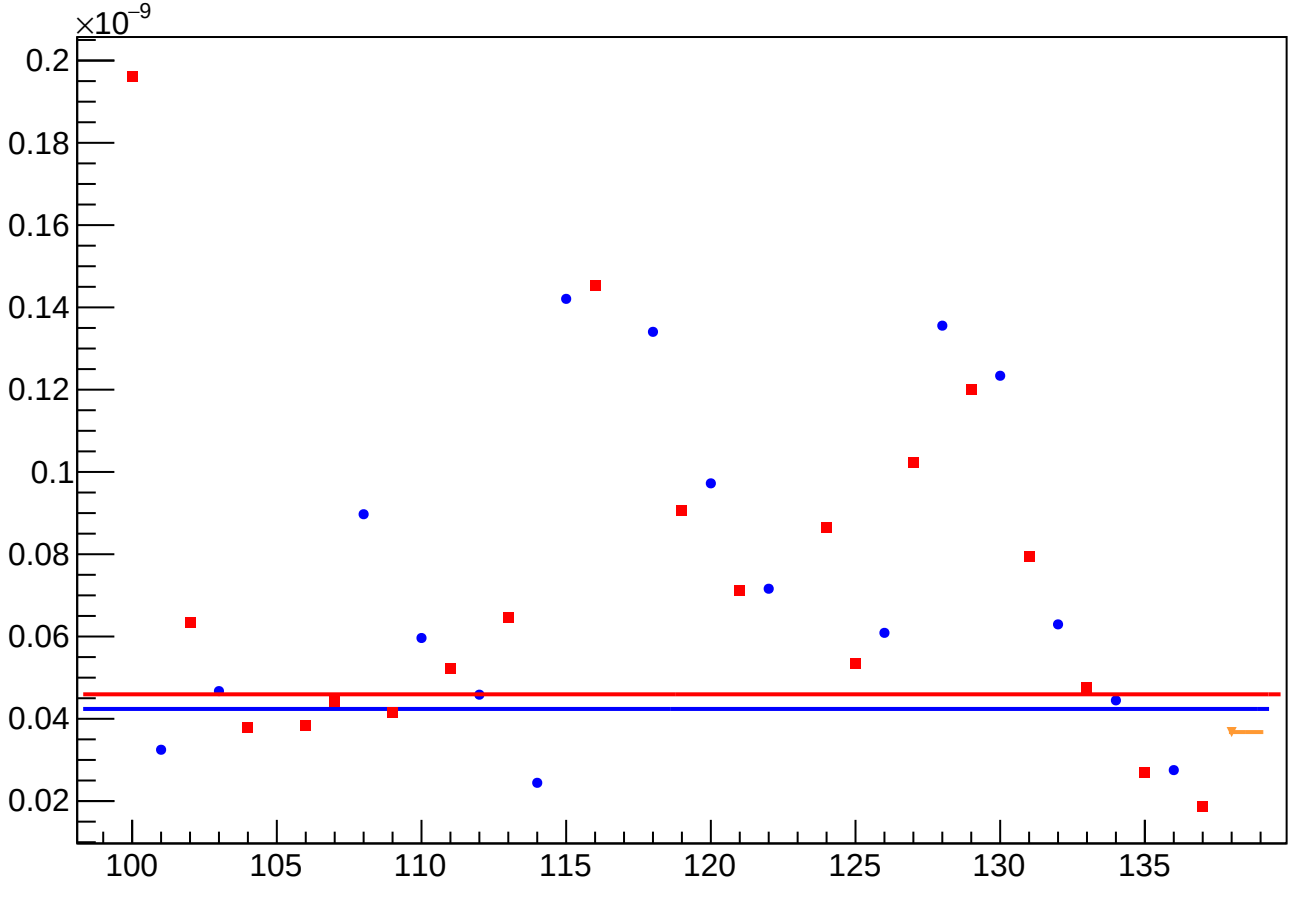
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:22.2/15

Out: -0.000+/-0.000 χ^2/NDF:11.1/19

All: -0.000+/-0.000 χ^2/NDF: 35.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

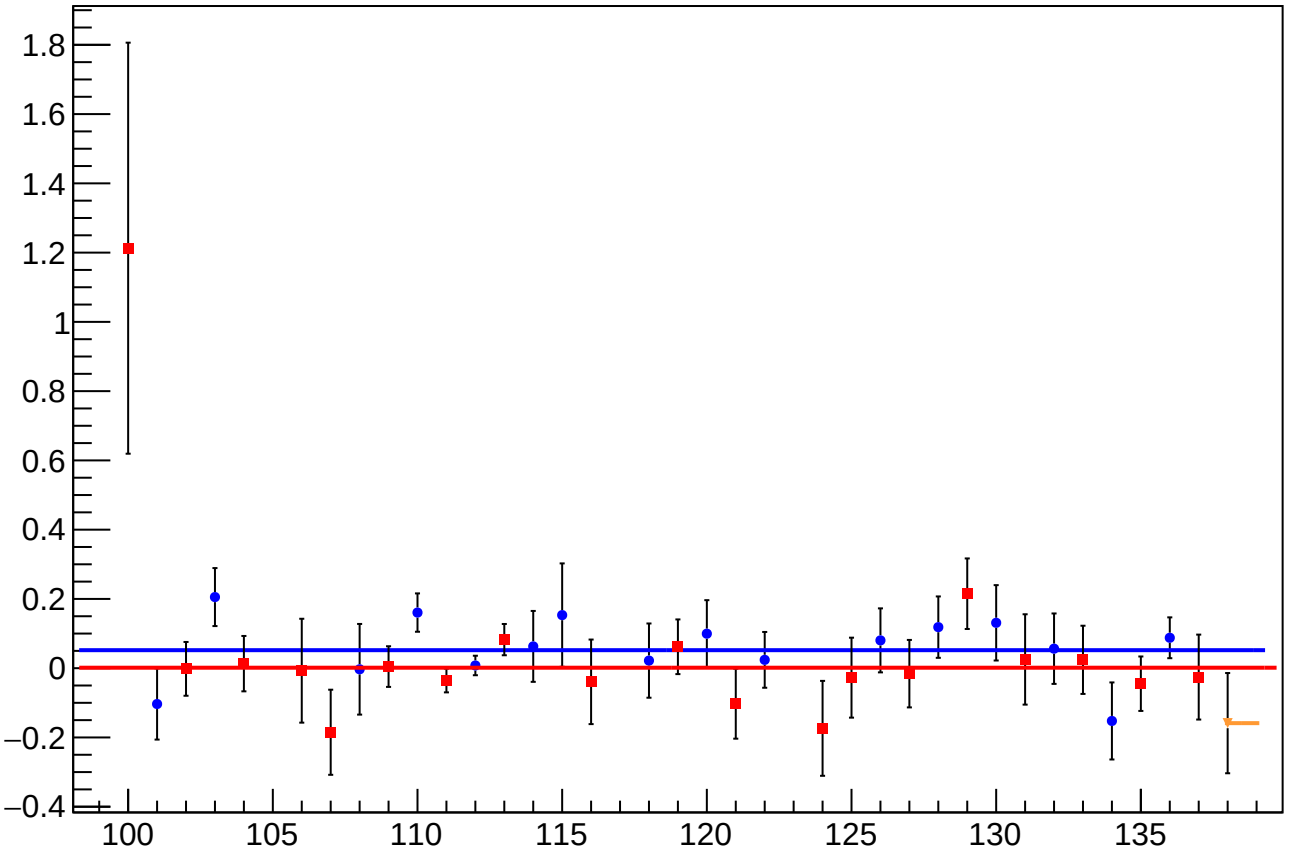
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:1341259.3/15

Out: 0.000+/-0.000 χ^2/NDF:1157952.4/19

All: 0.000+/-0.000 χ^2/NDF: 2503697.4/35



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.159+/-0.145 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

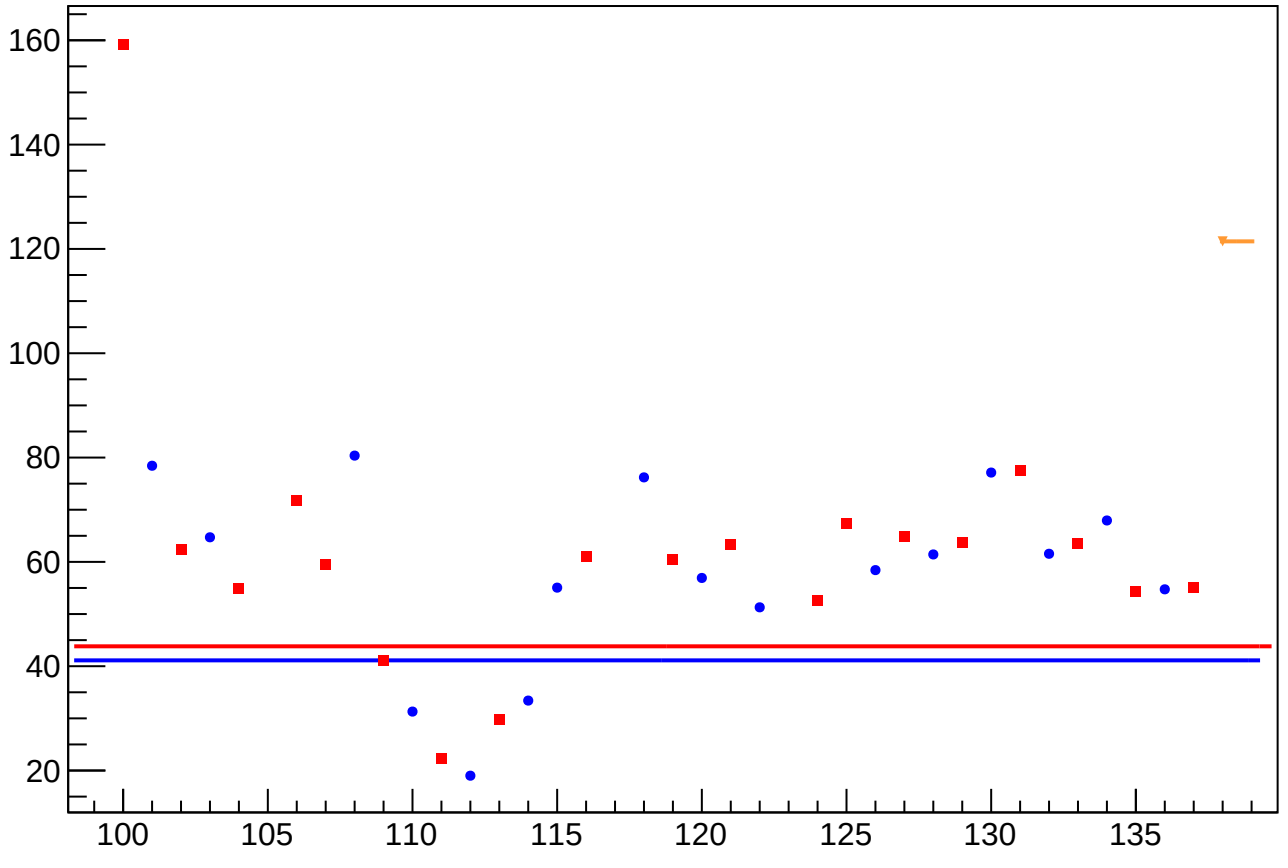
Left: -0.159+/-0.145 χ^2/NDF: 0.0/0

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.052+/-0.018 χ^2/NDF:18.0/15

Out: -0.001+/-0.018 χ^2/NDF:20.4/19

All: 0.026+/-0.013 χ^2/NDF: 42.9/35



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 121.450+/-0.102 χ^2/NDF:0.0/0

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

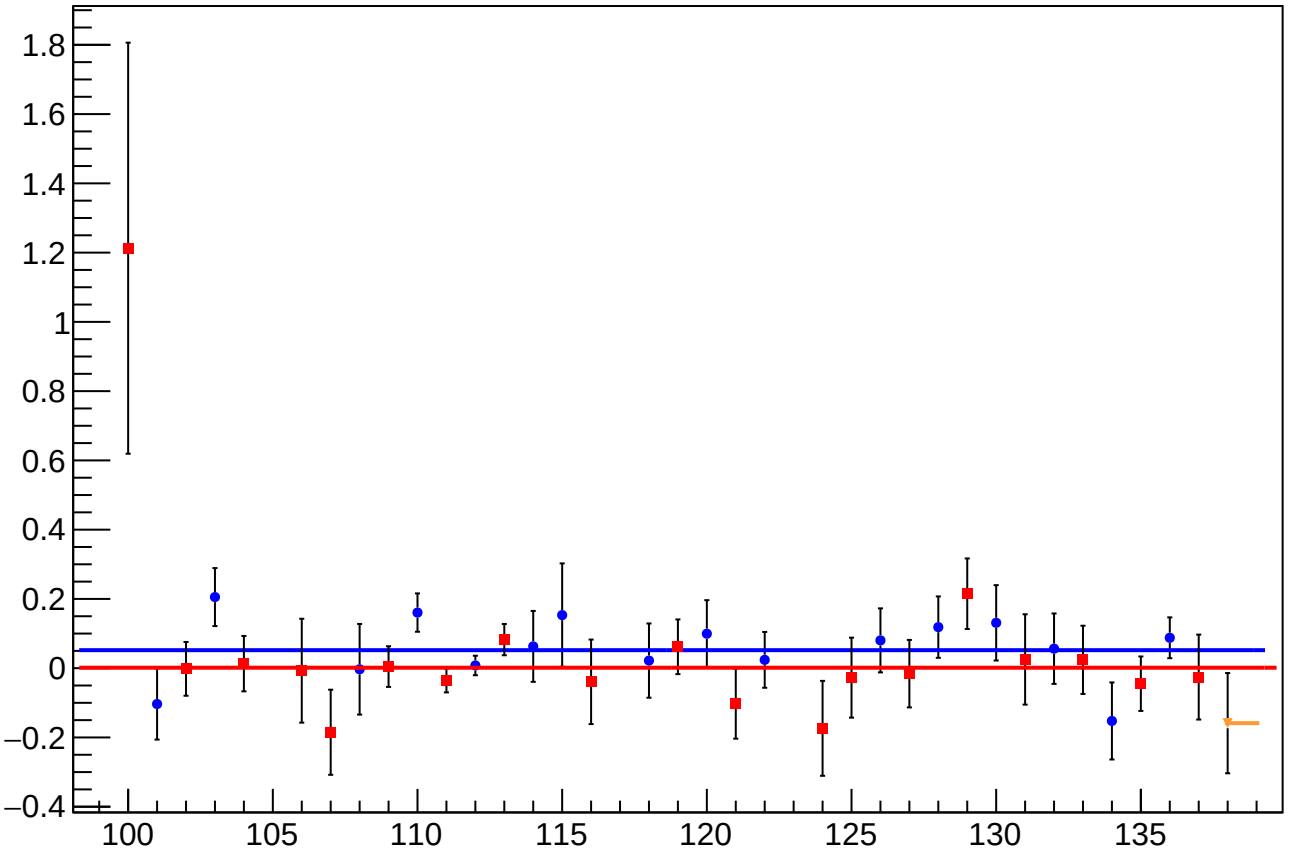
Left: 121.450+/-0.102 χ^2/NDF: 0.0/0

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 41.120+/-0.013 χ^2/NDF:2925302.3/15

Out: 44.987+/-0.013 χ^2/NDF:2615423.1/19

All: 43.051+/-0.009 χ^2/NDF: 5588013.9/35



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.159+/-0.145 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.159+/-0.145 χ^2/NDF: 0.0/0

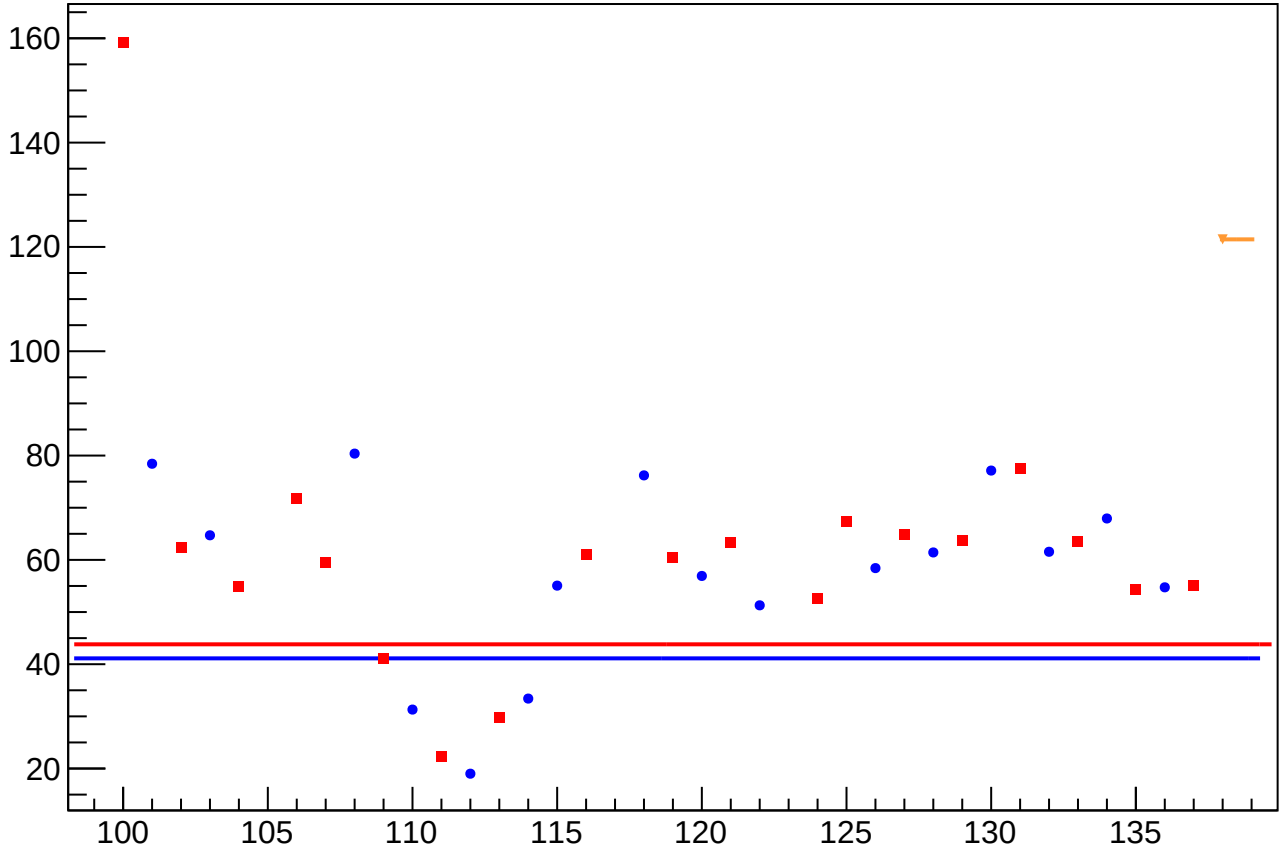
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.052+/-0.018 χ^2/NDF:18.0/15

Out: -0.001+/-0.018 χ^2/NDF:20.4/19

All: 0.026+/-0.013 χ^2/NDF: 42.9/35

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 121.450+/-0.102 χ^2/NDF:0.0/0

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

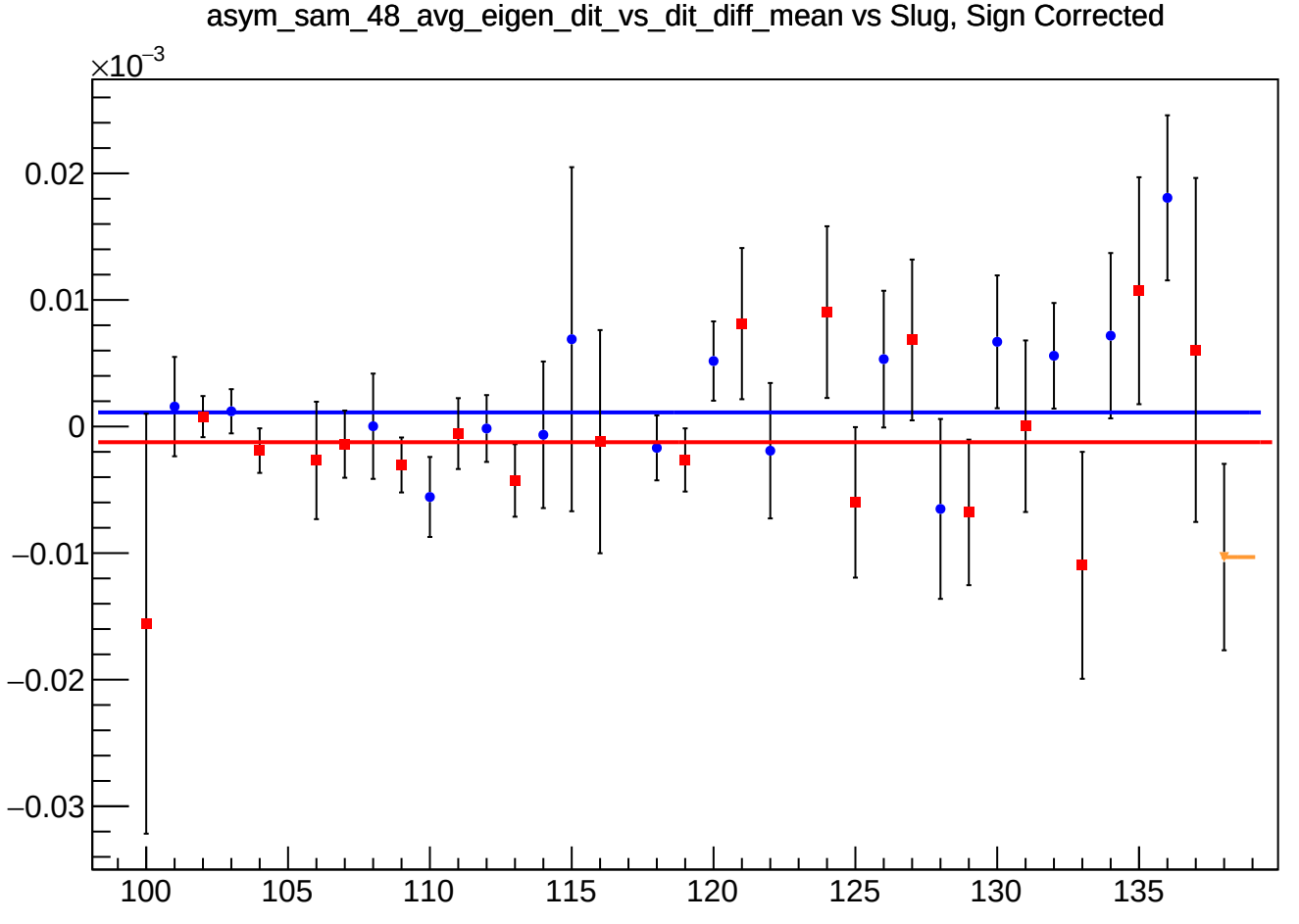
Left: 121.450+/-0.102 χ^2/NDF: 0.0/0

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 41.120+/-0.013 χ^2/NDF:2925302.3/15

Out: 44.987+/-0.013 χ^2/NDF:2615423.1/19

All: 43.051+/-0.009 χ^2/NDF: 5588013.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

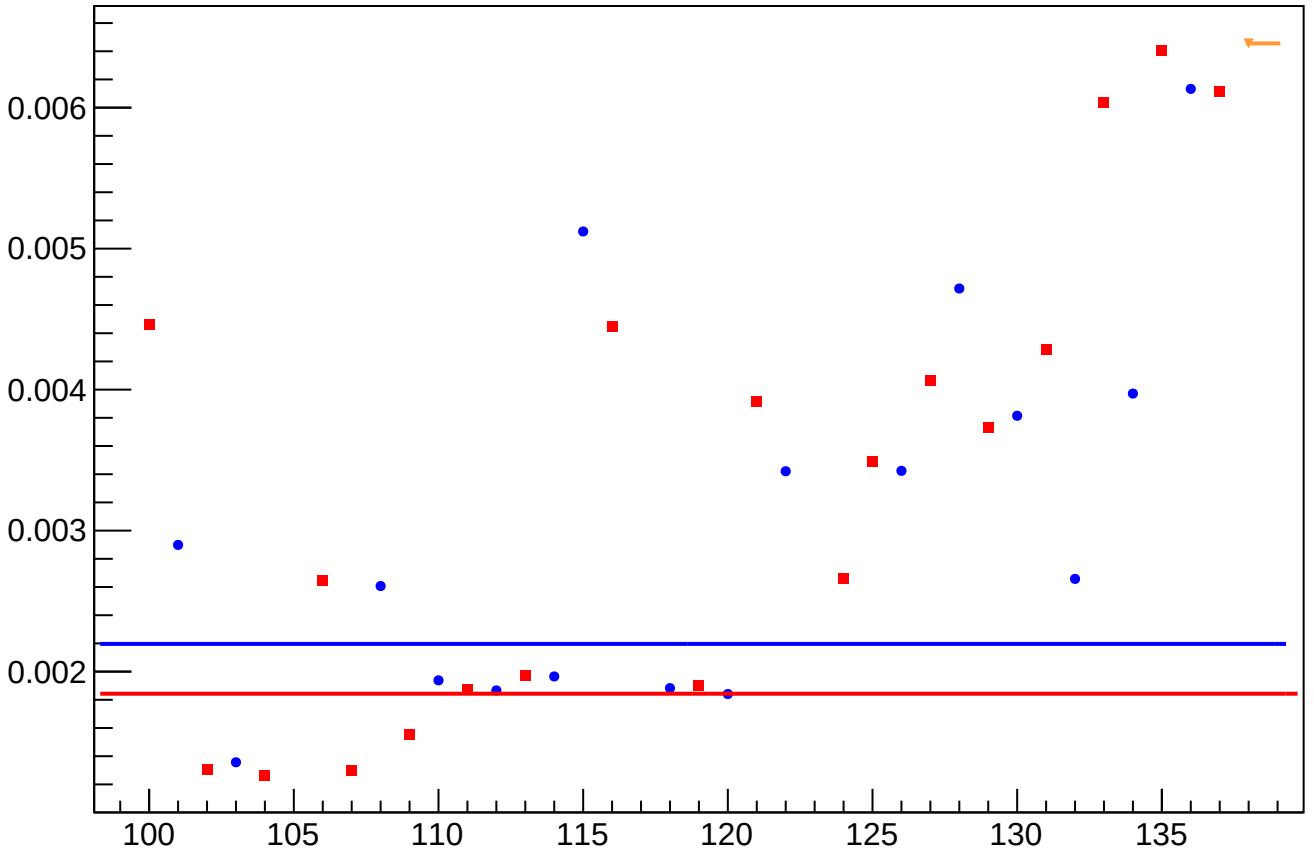
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:19.9/15

Out: -0.000+/-0.000 χ^2/NDF:17.4/19

All: -0.000+/-0.000 χ^2/NDF: 41.6/35



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.006+/-0.000 χ^2/NDF: 0.0/0

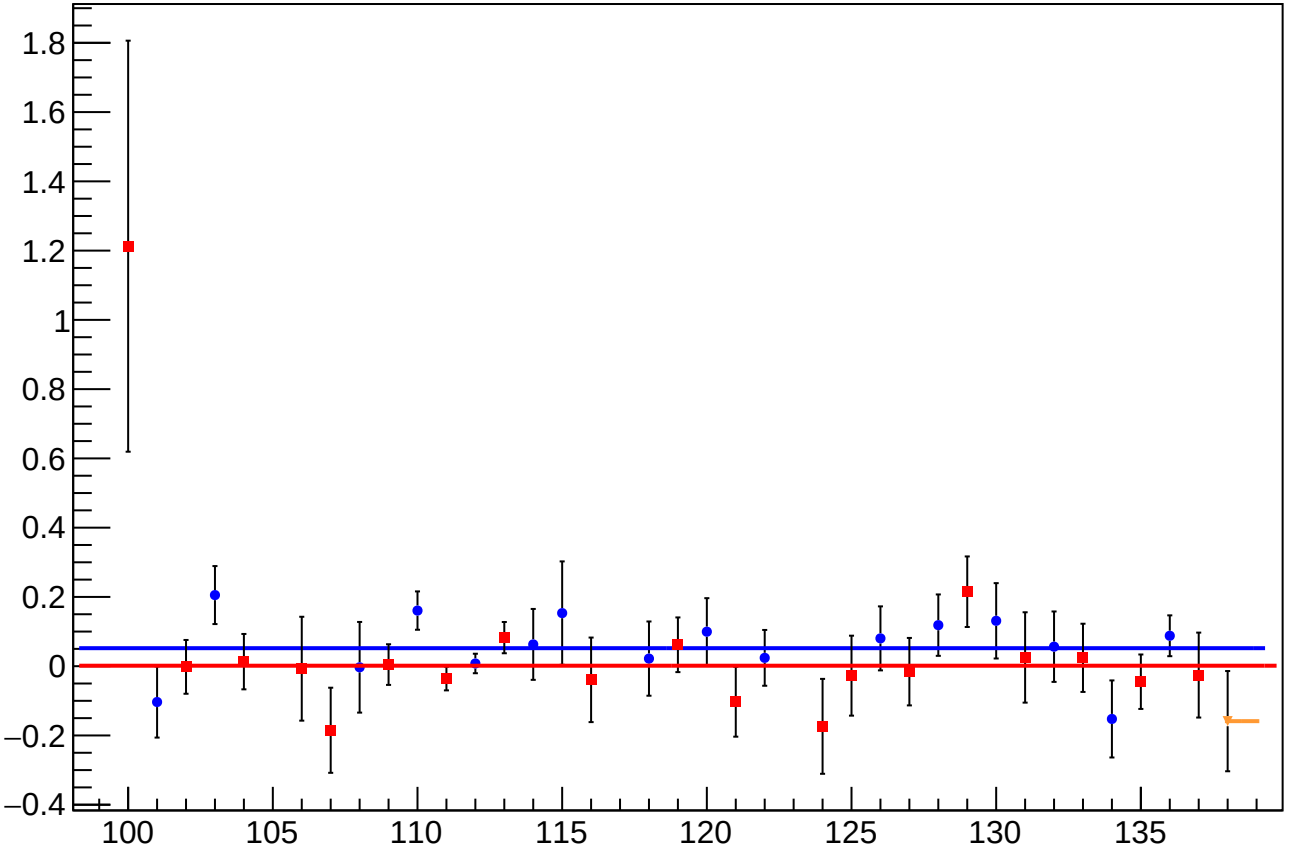
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:2292909.6/15

Out: 0.002+/-0.000 χ^2/NDF:3913775.7/19

All: 0.002+/-0.000 χ^2/NDF: 6338689.9/35

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: -0.159+/-0.145 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

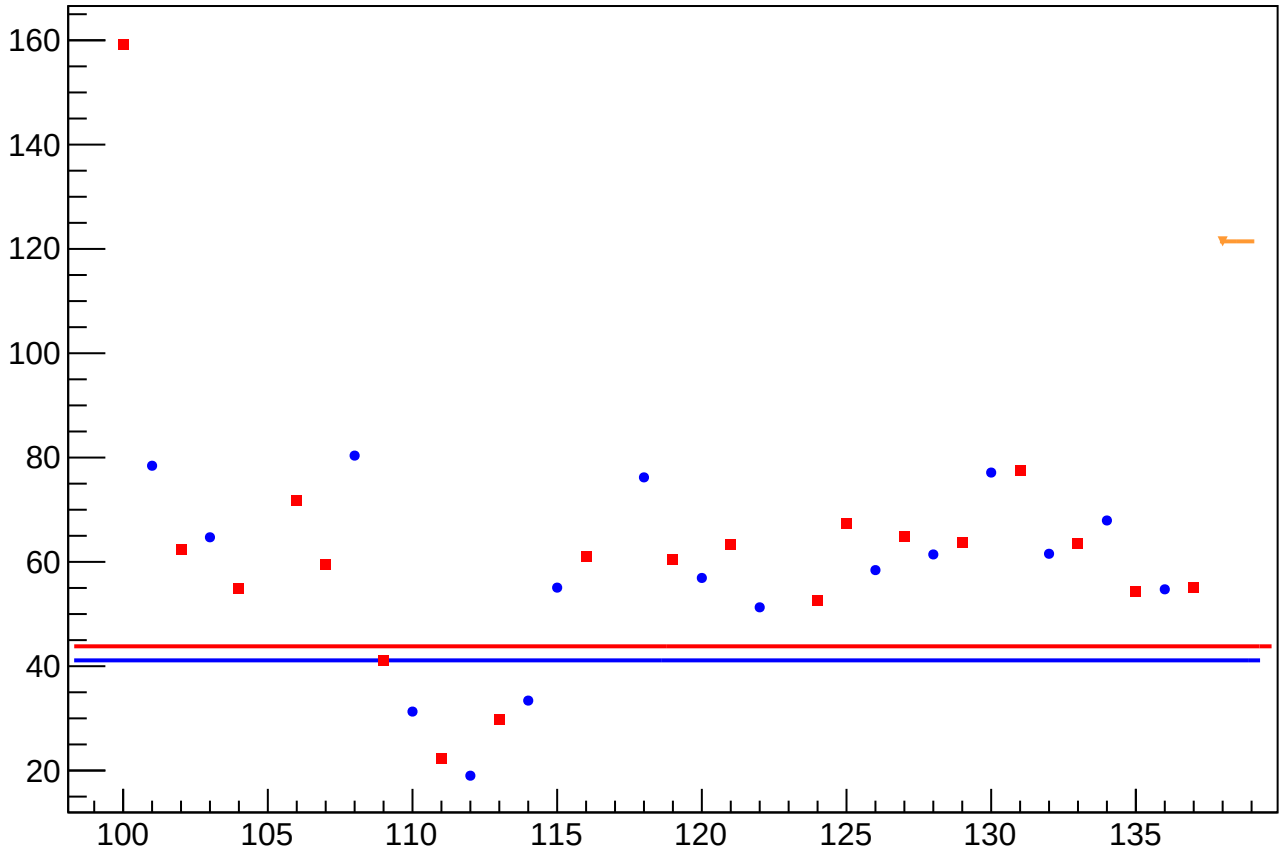
Left: -0.159+/-0.145 χ^2/NDF: 0.0/0

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.052+/-0.018 χ^2/NDF:18.0/15

Out: -0.001+/-0.018 χ^2/NDF:20.4/19

All: 0.026+/-0.013 χ^2/NDF: 42.9/35



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 121.449+/-0.102 χ^2/NDF:0.0/0

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 121.449+/-0.102 χ^2/NDF: 0.0/0

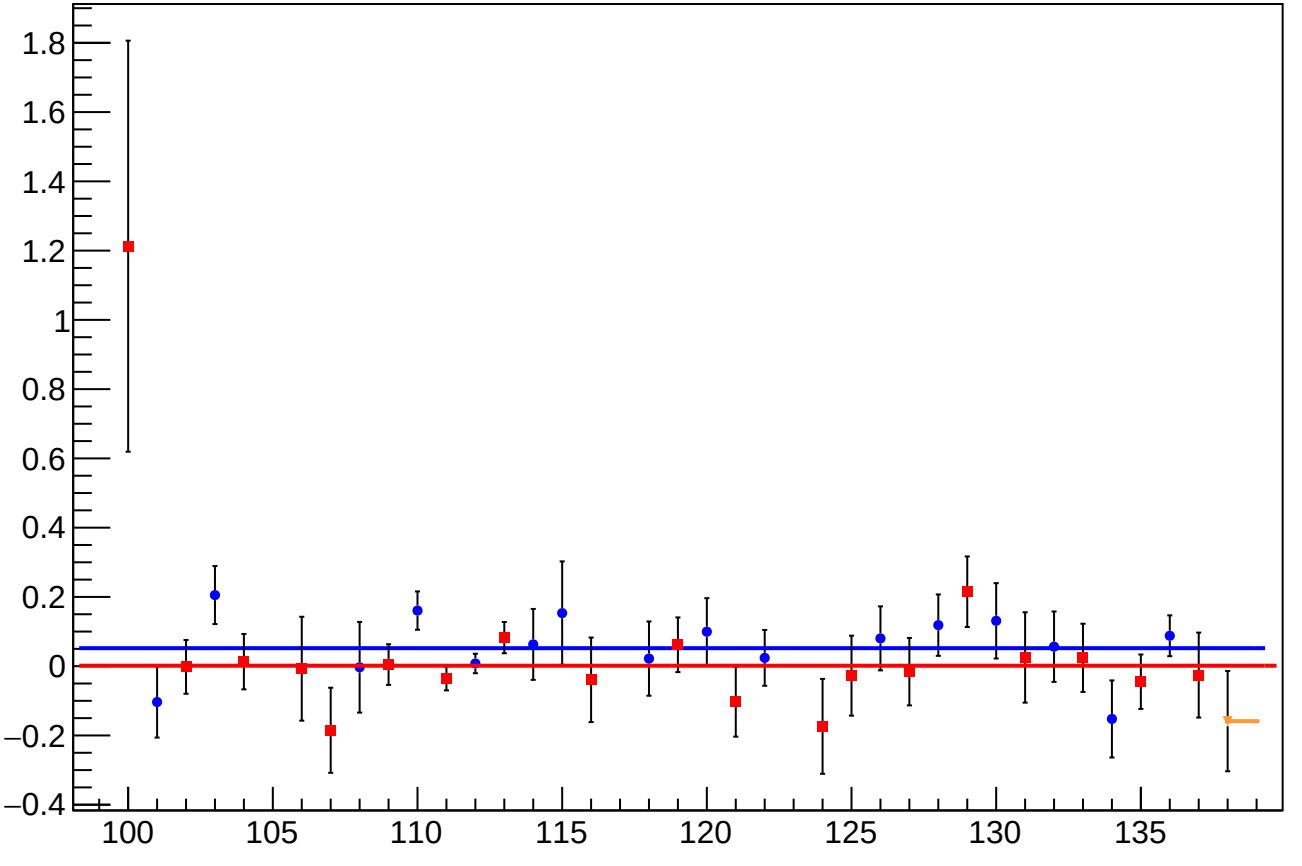
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 41.119+/-0.013 χ^2/NDF:2925464.8/15

Out: 44.986+/-0.013 χ^2/NDF:2615602.4/19

All: 43.051+/-0.009 χ^2/NDF: 5588357.1/35

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: -0.159+/-0.145 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.159+/-0.145 χ^2/NDF: 0.0/0

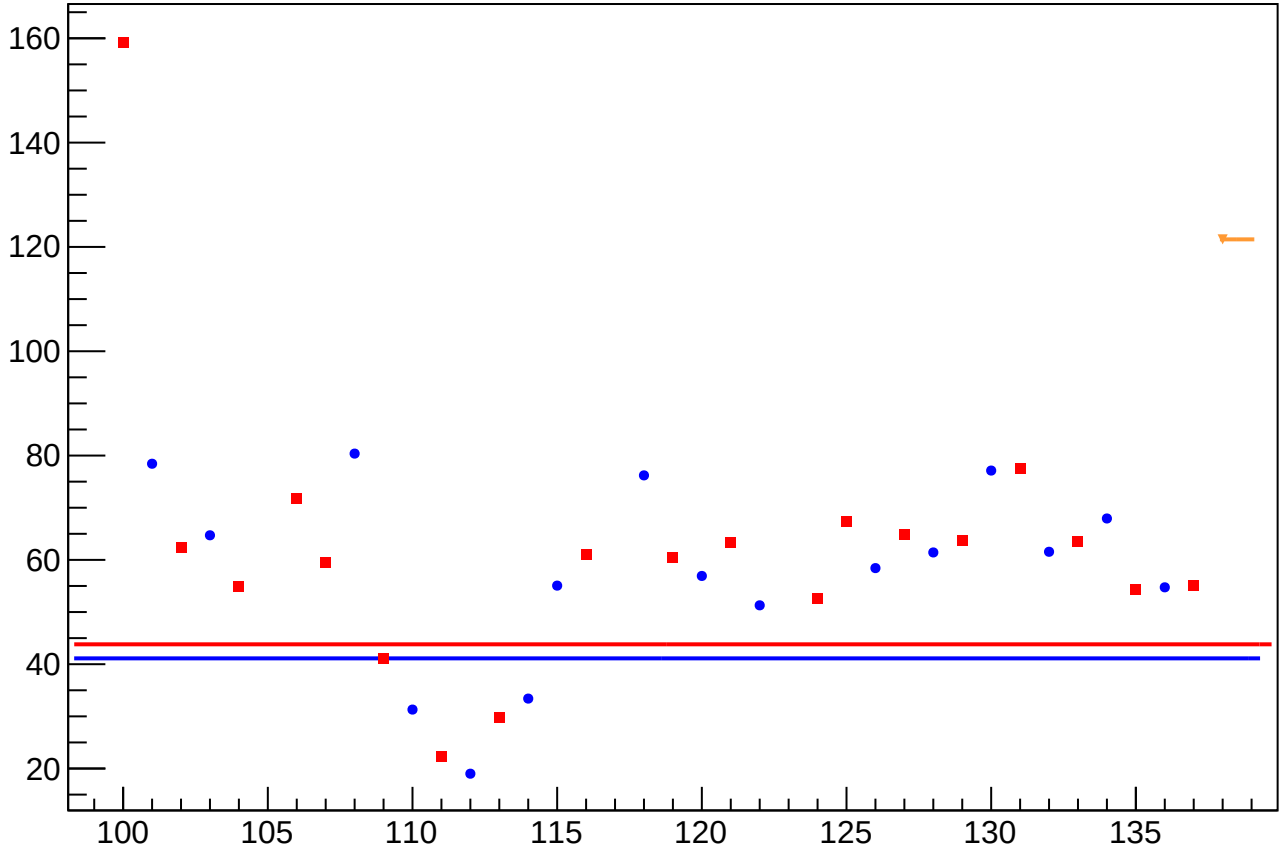
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.052+/-0.018 χ^2/NDF:18.0/15

Out: -0.001+/-0.018 χ^2/NDF:20.4/19

All: 0.026+/-0.013 χ^2/NDF: 42.9/35

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: 121.449+/-0.102 χ^2/NDF:0.0/0

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

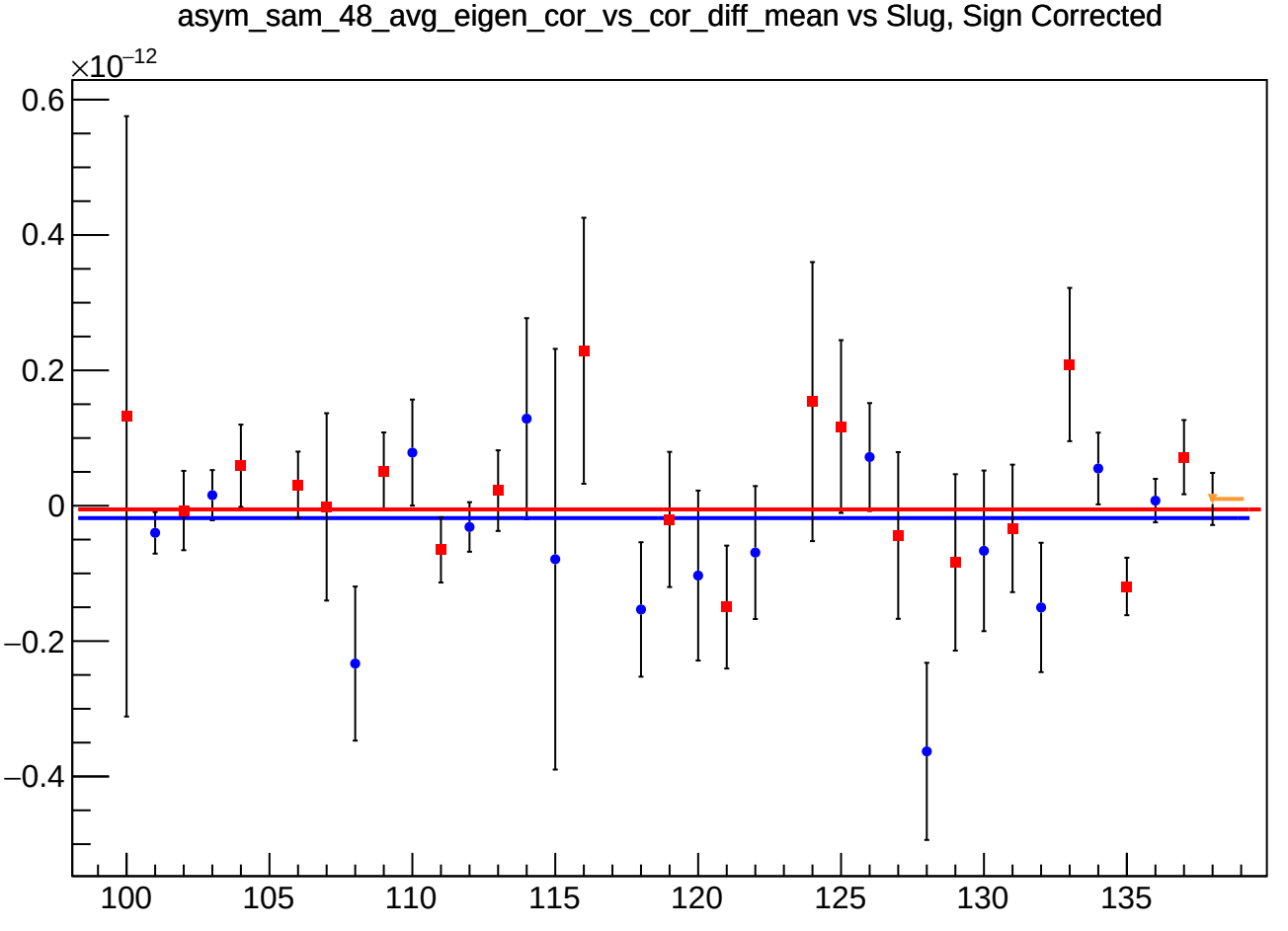
Left: 121.449+/-0.102 χ^2/NDF: 0.0/0

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 41.119+/-0.013 χ^2/NDF:2925464.8/15

Out: 44.986+/-0.013 χ^2/NDF:2615602.4/19

All: 43.051+/-0.009 χ^2/NDF: 5588357.1/35



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

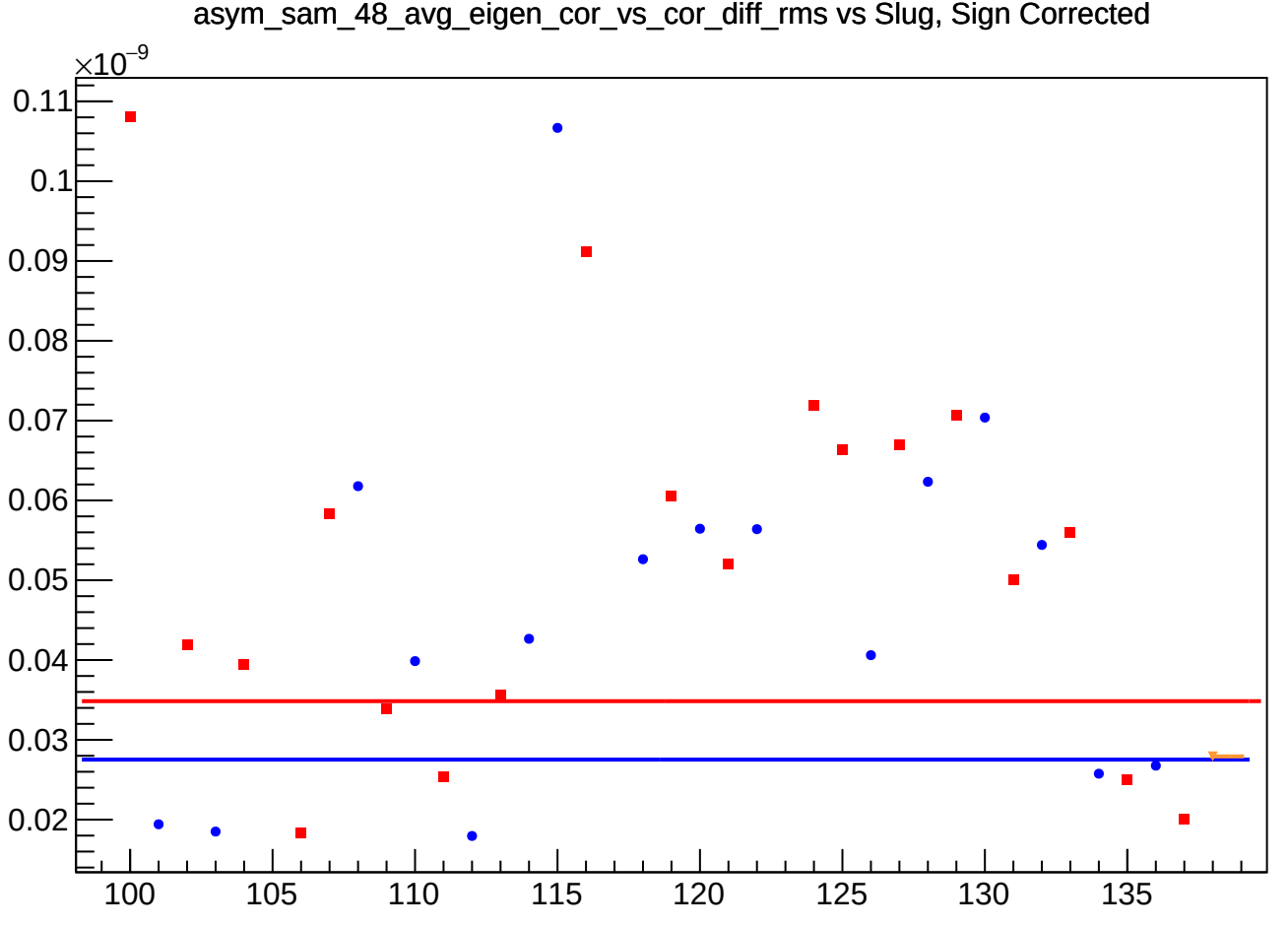
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: -0.000+/-0.000 χ^2/NDF:23.0/15

Out: -0.000+/-0.000 χ^2/NDF:23.4/19

All: -0.000+/-0.000 χ^2/NDF: 46.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

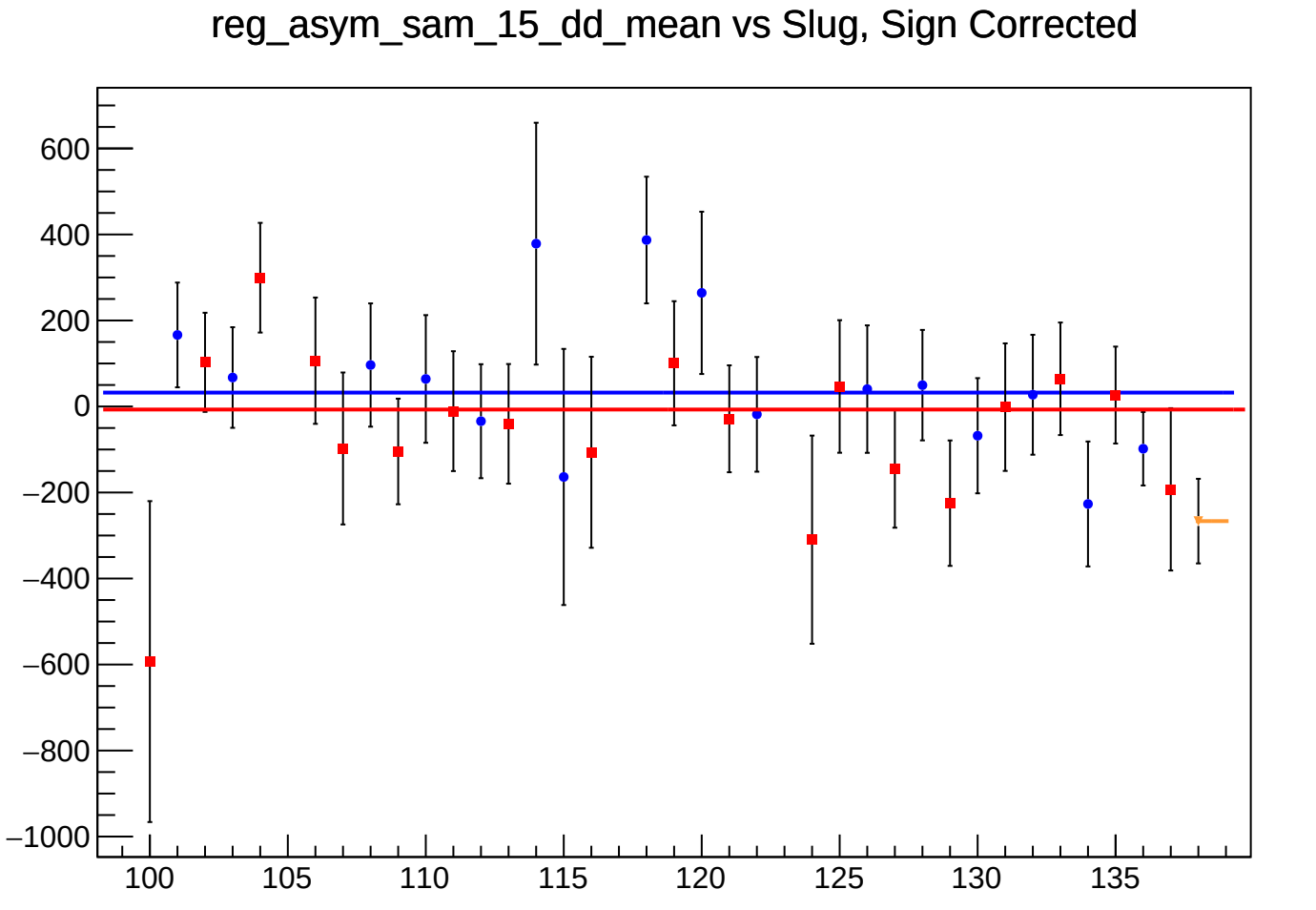
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:1799776.3/15

Out: 0.000+/-0.000 χ^2/NDF:1730573.9/19

All: 0.000+/-0.000 χ^2/NDF: 3705985.7/35



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -266.510+/-98.367 χ^2/NDF:0.0/0

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

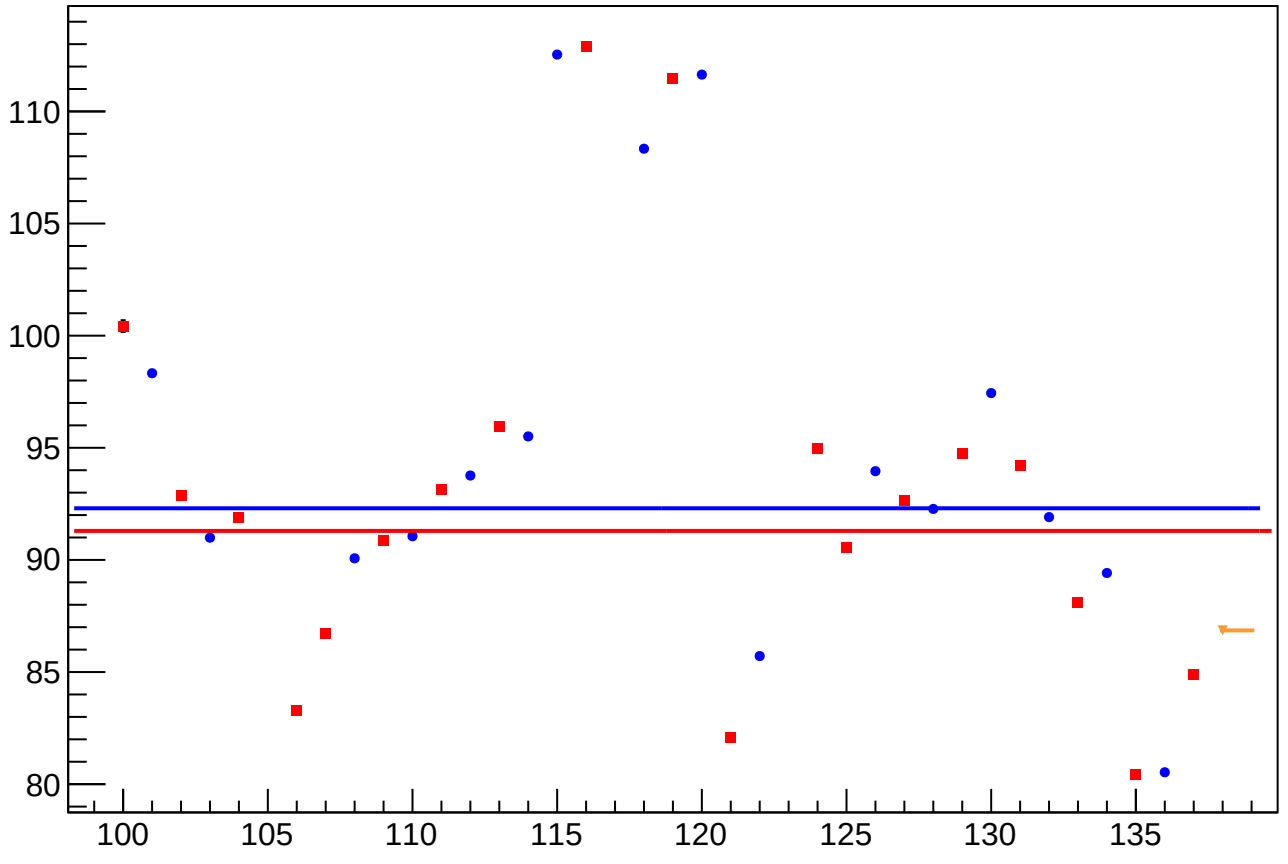
Left: -266.510+/-98.367 χ^2/NDF: 0.0/0

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: 32.297+/-34.429 χ^2/NDF:17.3/15

Out: -33.918+/-31.643 χ^2/NDF:24.0/19

All: -3.597+/-23.298 χ^2/NDF: 43.3/35



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 86.857+/-0.070 χ^2/NDF:0.0/0

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

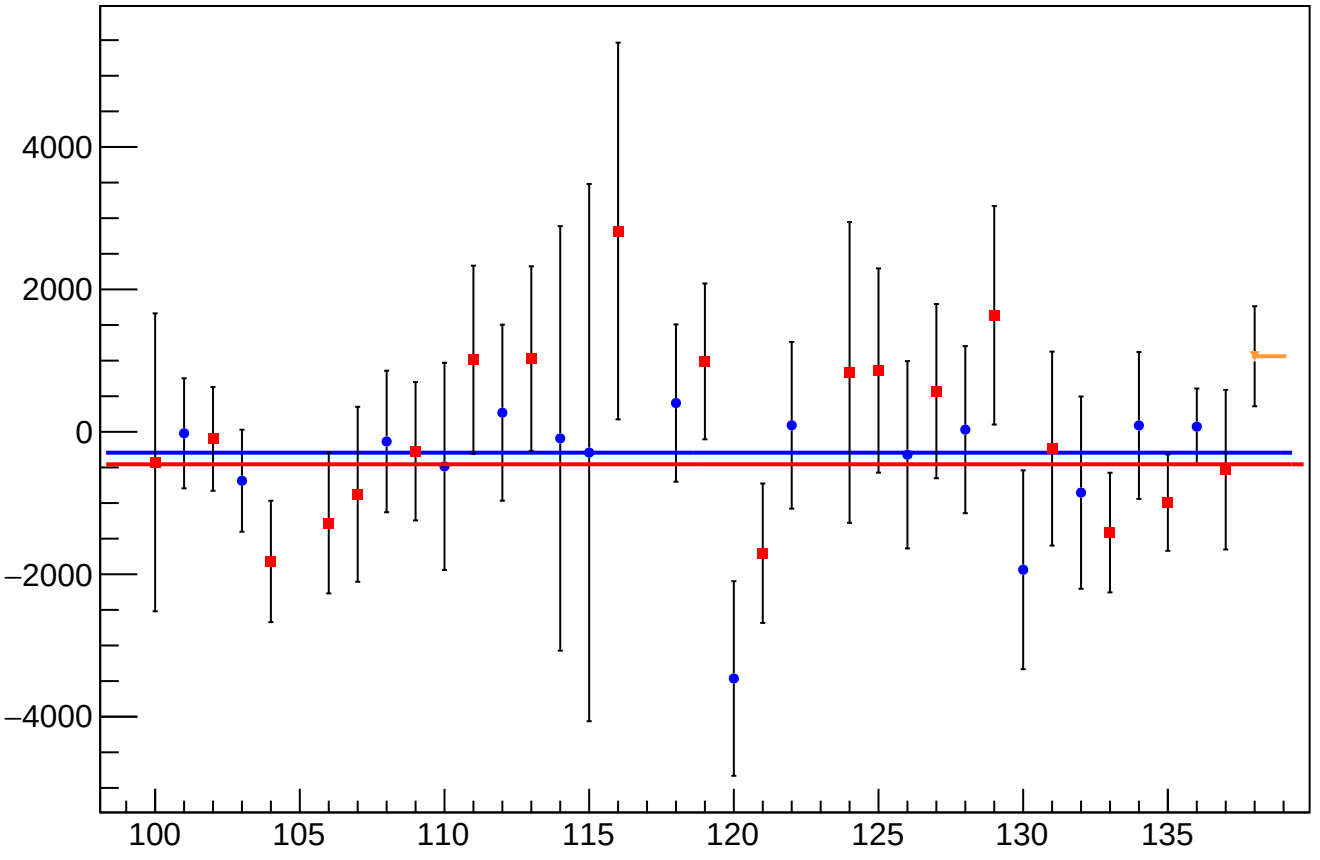
Left: 86.857+/-0.070 χ^2/NDF: 0.0/0

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 92.302+/-0.024 χ^2/NDF:107066.1/15

Out: 90.835+/-0.022 χ^2/NDF:108744.3/19

All: 91.507+/-0.016 χ^2/NDF: 217781.1/35



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 1061.513+/-702.514 χ^2/NDF:0.0/0

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

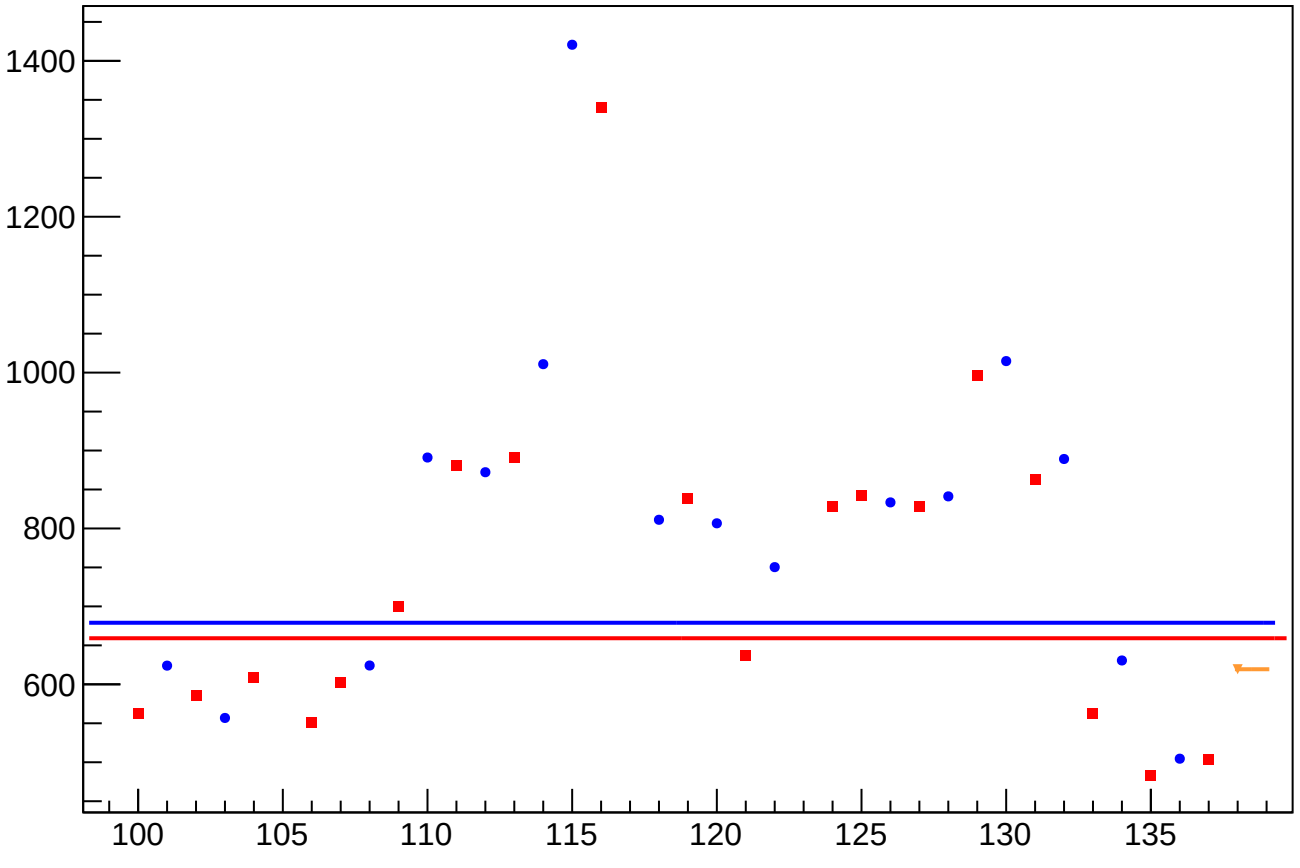
Left: 1061.513+/-702.514 χ^2/NDF: 0.0/0

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -292.756+/-259.692 χ^2/NDF:8.8/15

Out: -286.825+/-234.457 χ^2/NDF:21.0/19

All: -289.488+/-174.026 χ^2/NDF: 29.8/35



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 619.358+/-0.497 χ^2/NDF:0.0/0

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

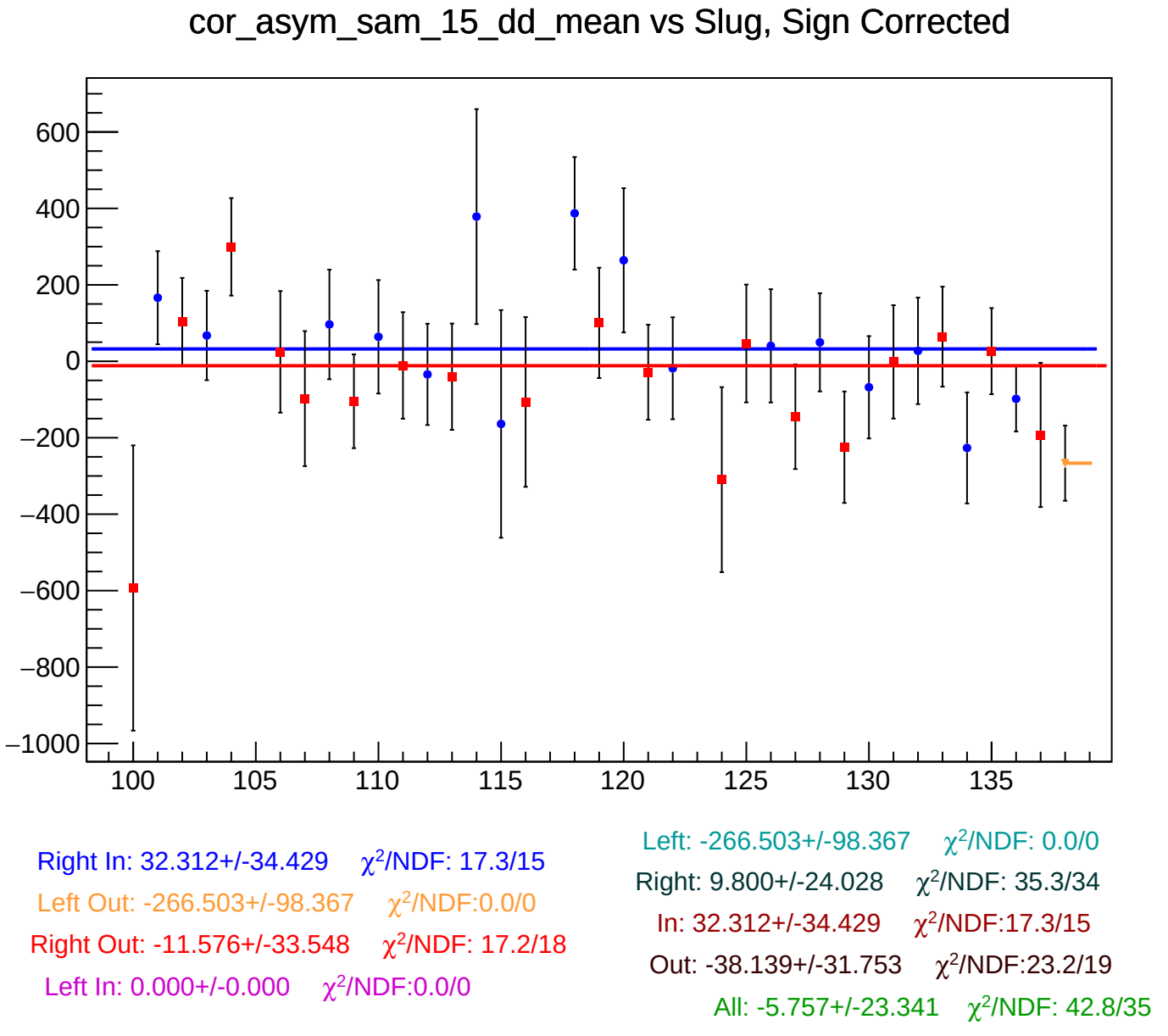
Left: 619.358+/-0.497 χ^2/NDF: 0.0/0

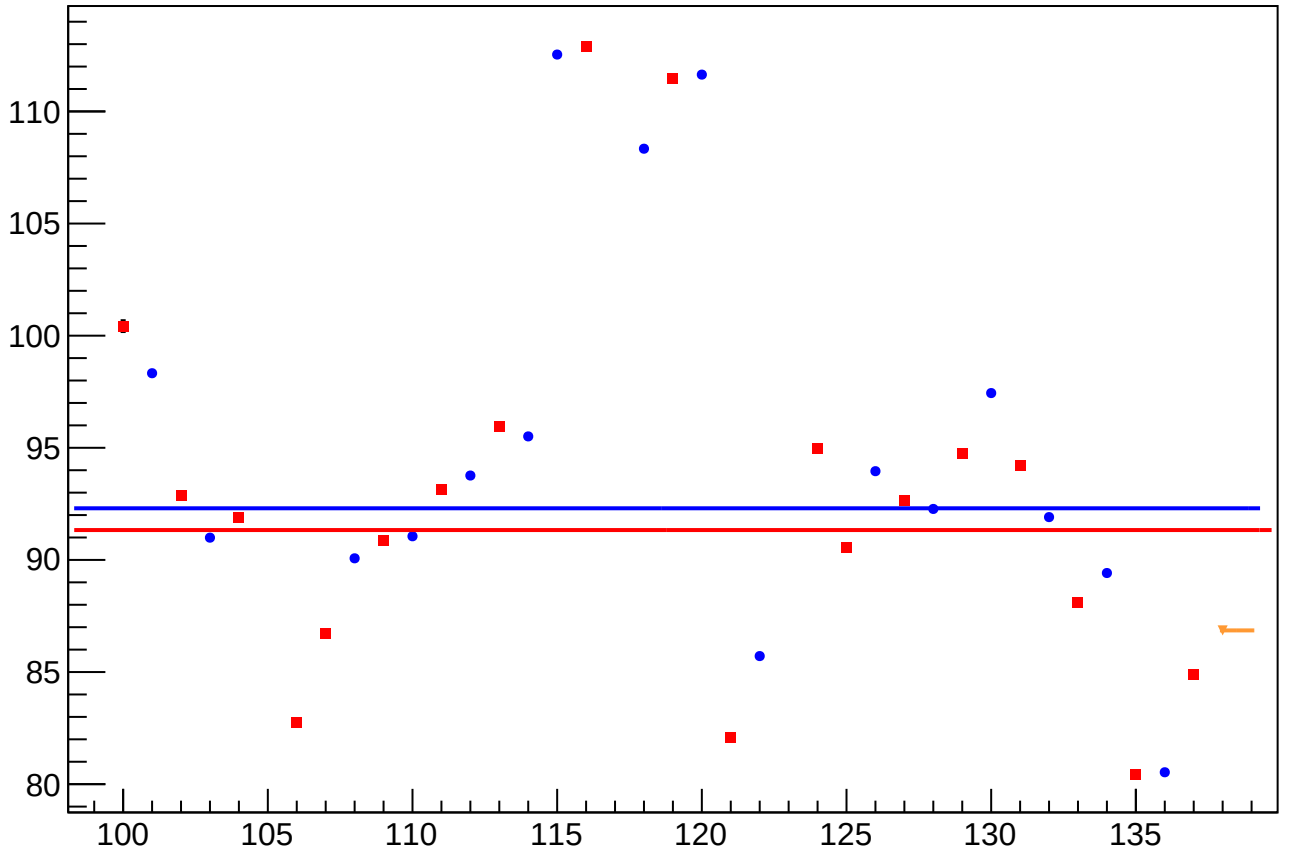
Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 679.003+/-0.184 χ^2/NDF:767983.3/15

Out: 654.703+/-0.166 χ^2/NDF:801574.9/19

All: 665.615+/-0.123 χ^2/NDF: 1579205.9/35


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
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -266.503+/-98.367 χ²/NDF:0.0/0
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -266.503+/-98.367 χ²/NDF: 0.0/0
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: 32.312+/-34.429 χ²/NDF:17.3/15
Out: -38.139+/-31.753 χ²/NDF:23.2/19
All: -5.757+/-23.341 χ²/NDF: 42.8/35



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 86.857+/-0.070 χ^2/NDF:0.0/0

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

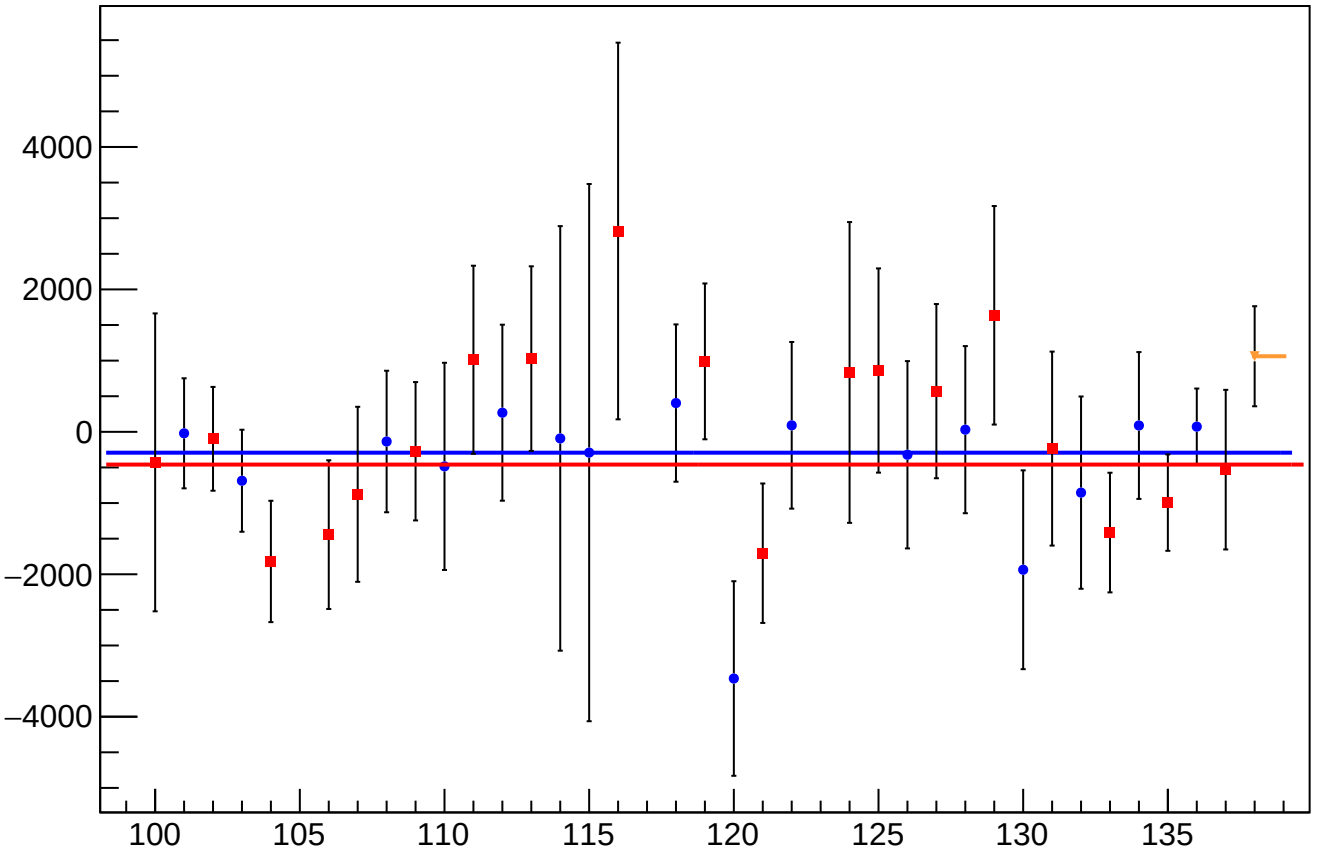
Left: 86.857+/-0.070 χ^2/NDF: 0.0/0

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 92.302+/-0.024 χ^2/NDF:107066.1/15

Out: 90.866+/-0.022 χ^2/NDF:108626.3/19

All: 91.526+/-0.017 χ^2/NDF: 217574.4/35



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 1061.514+/-702.514 χ^2/NDF:0.0/0

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

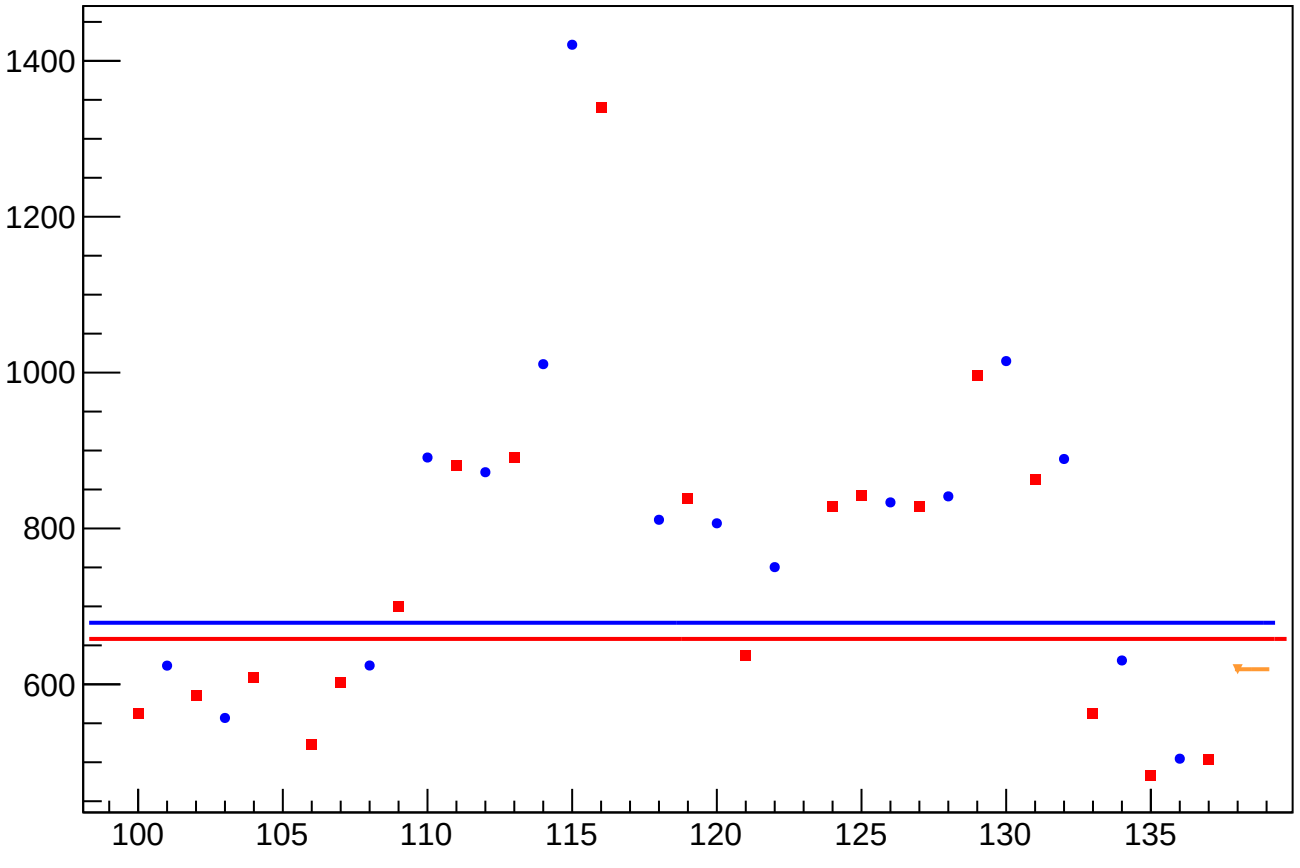
Left: 1061.514+/-702.514 χ^2/NDF: 0.0/0

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -292.753+/-259.692 χ^2/NDF:8.8/15

Out: -289.170+/-235.148 χ^2/NDF:21.2/19

All: -290.784+/-174.308 χ^2/NDF: 30.0/35



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 619.358+/-0.497 χ^2/NDF:0.0/0

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

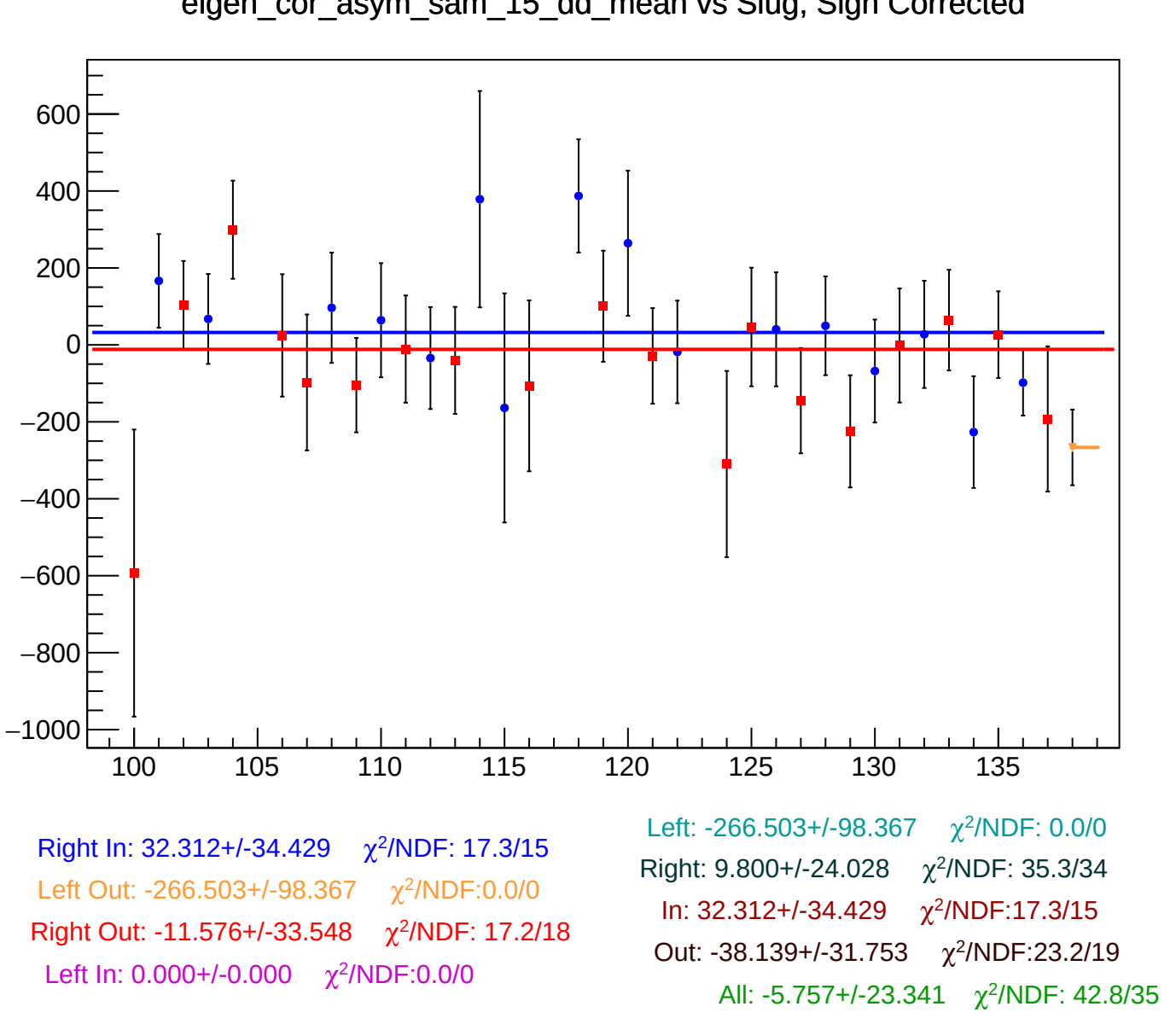
Left: 619.358+/-0.497 χ^2/NDF: 0.0/0

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 679.003+/-0.184 χ^2/NDF:767985.6/15

Out: 653.903+/-0.166 χ^2/NDF:811344.4/19

All: 665.211+/-0.123 χ^2/NDF: 1589595.8/35


eigen_cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
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−200
−400
−600
−800
−1000
100
105
110
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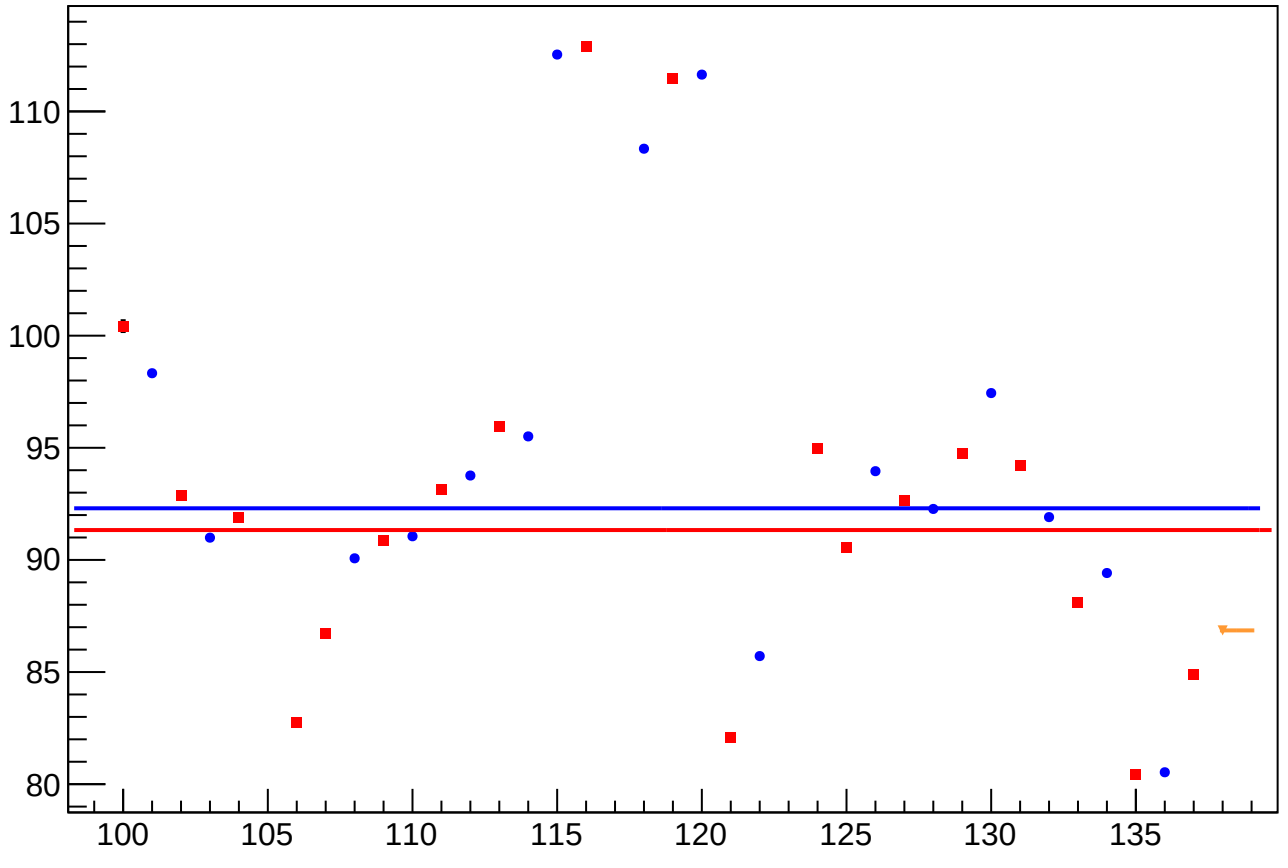
120
125
130
135
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -266.503+/-98.367 χ²/NDF:0.0/0
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -266.503+/-98.367 χ²/NDF: 0.0/0
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: 32.312+/-34.429 χ²/NDF:17.3/15
Out: -38.139+/-31.753 χ²/NDF:23.2/19
All: -5.757+/-23.341 χ²/NDF: 42.8/35



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 86.857+/-0.070 χ^2/NDF:0.0/0

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

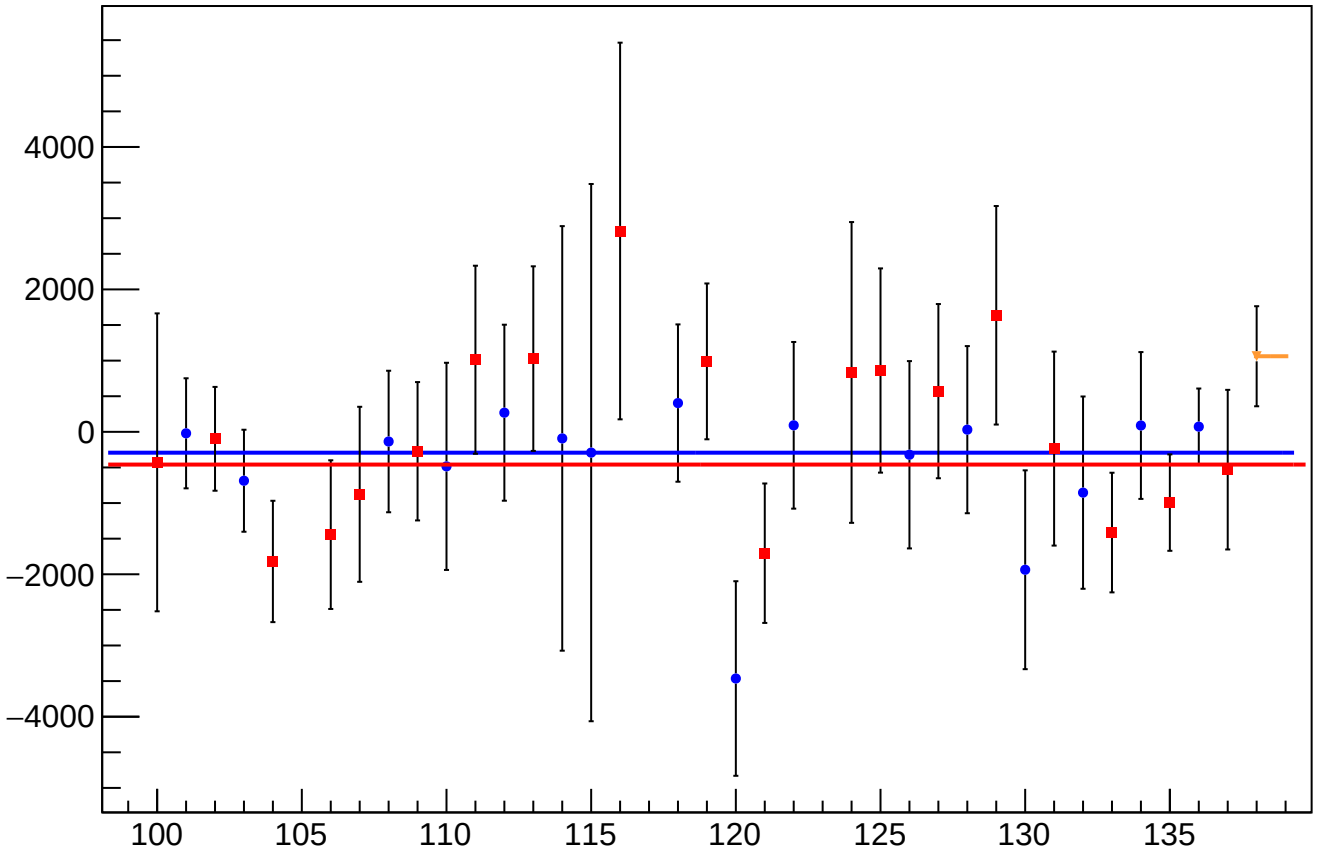
Left: 86.857+/-0.070 χ^2/NDF: 0.0/0

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 92.302+/-0.024 χ^2/NDF:107066.1/15

Out: 90.866+/-0.022 χ^2/NDF:108626.3/19

All: 91.526+/-0.017 χ^2/NDF: 217574.4/35



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 1061.514+/-702.514 χ^2/NDF:0.0/0

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

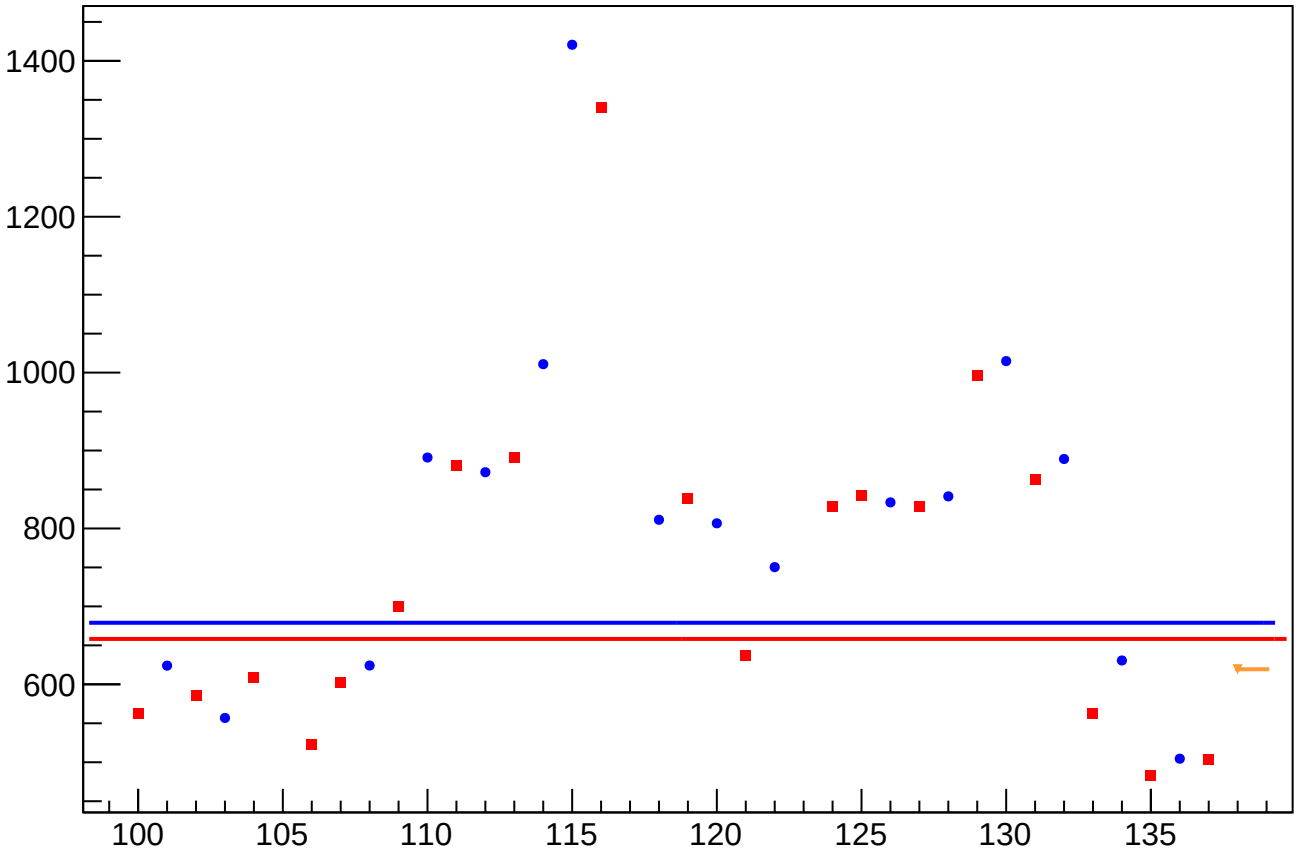
Left: 1061.514+/-702.514 χ^2/NDF: 0.0/0

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -292.753+/-259.692 χ^2/NDF:8.8/15

Out: -289.170+/-235.148 χ^2/NDF:21.2/19

All: -290.784+/-174.308 χ^2/NDF: 30.0/35



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 619.358+/-0.497 χ^2/NDF:0.0/0

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

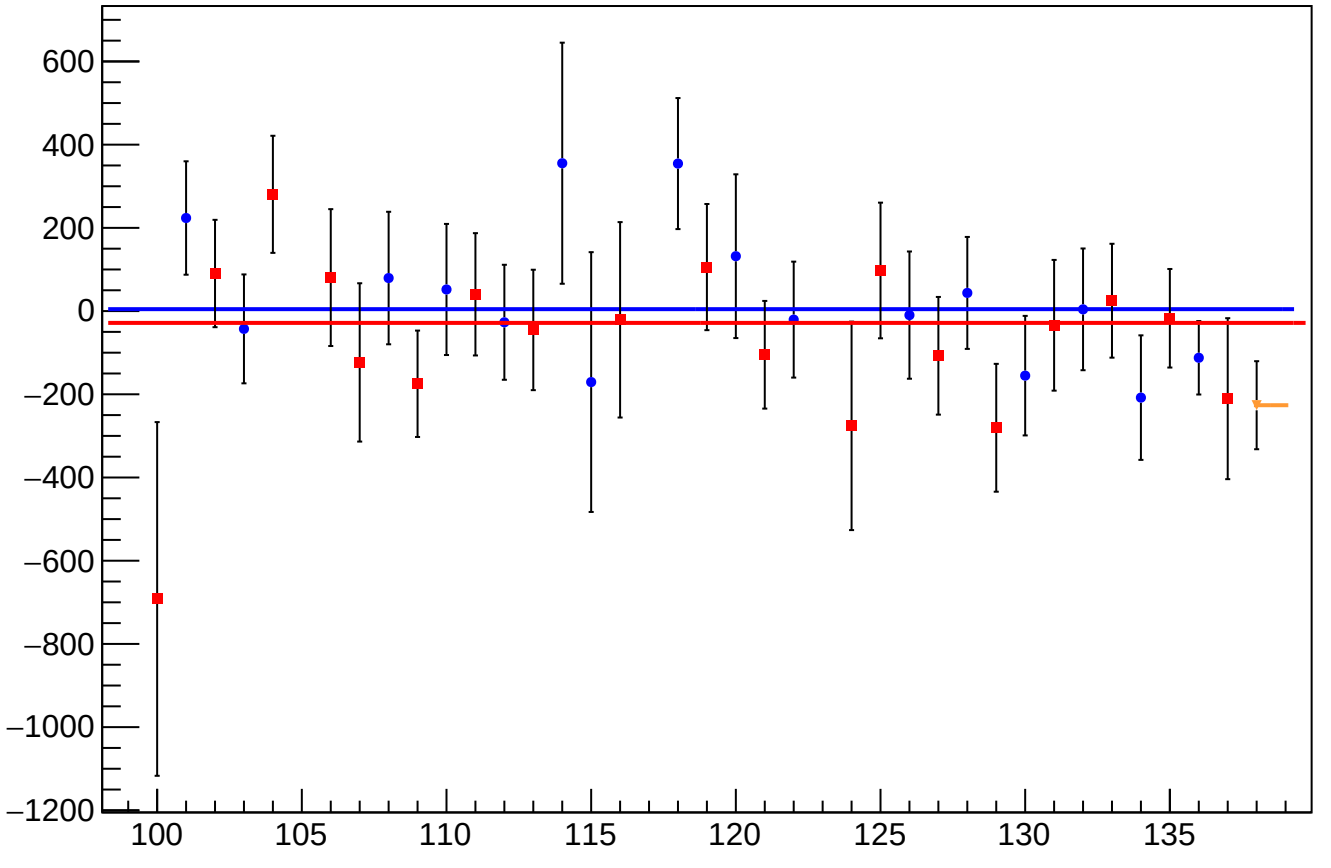
Left: 619.358+/-0.497 χ^2/NDF: 0.0/0

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 679.003+/-0.184 χ^2/NDF:767985.6/15

Out: 653.903+/-0.166 χ^2/NDF:811344.4/19

All: 665.211+/-0.123 χ^2/NDF: 1589595.8/35



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -226.251+/-105.803 χ^2/NDF:0.0/0

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -226.251+/-105.803 χ^2/NDF: 0.0/0

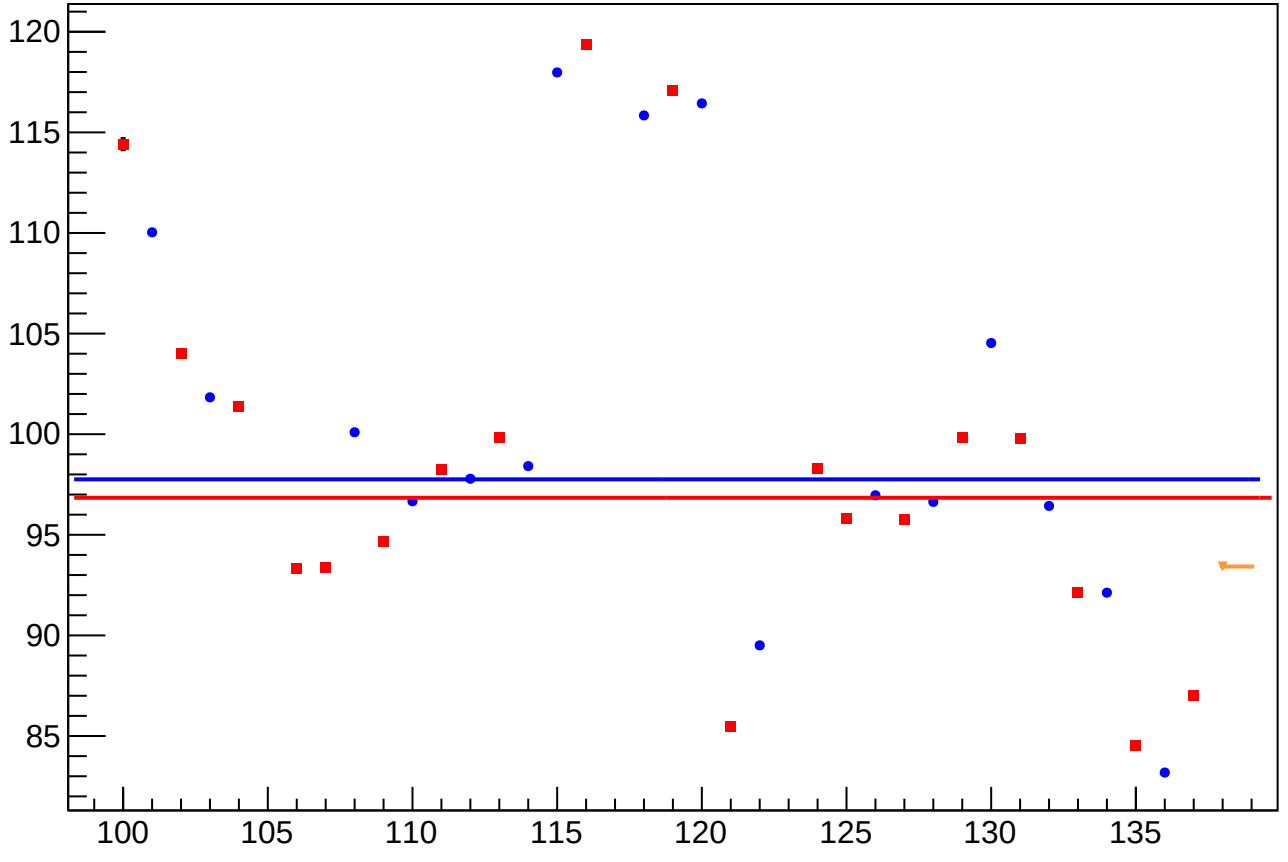
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: 4.619+/-36.509 χ^2/NDF:15.3/15

Out: -48.391+/-33.626 χ^2/NDF:20.2/19

All: -24.061+/-24.734 χ^2/NDF: 36.7/35

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 93.424+/-0.075 χ^2/NDF:0.0/0

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

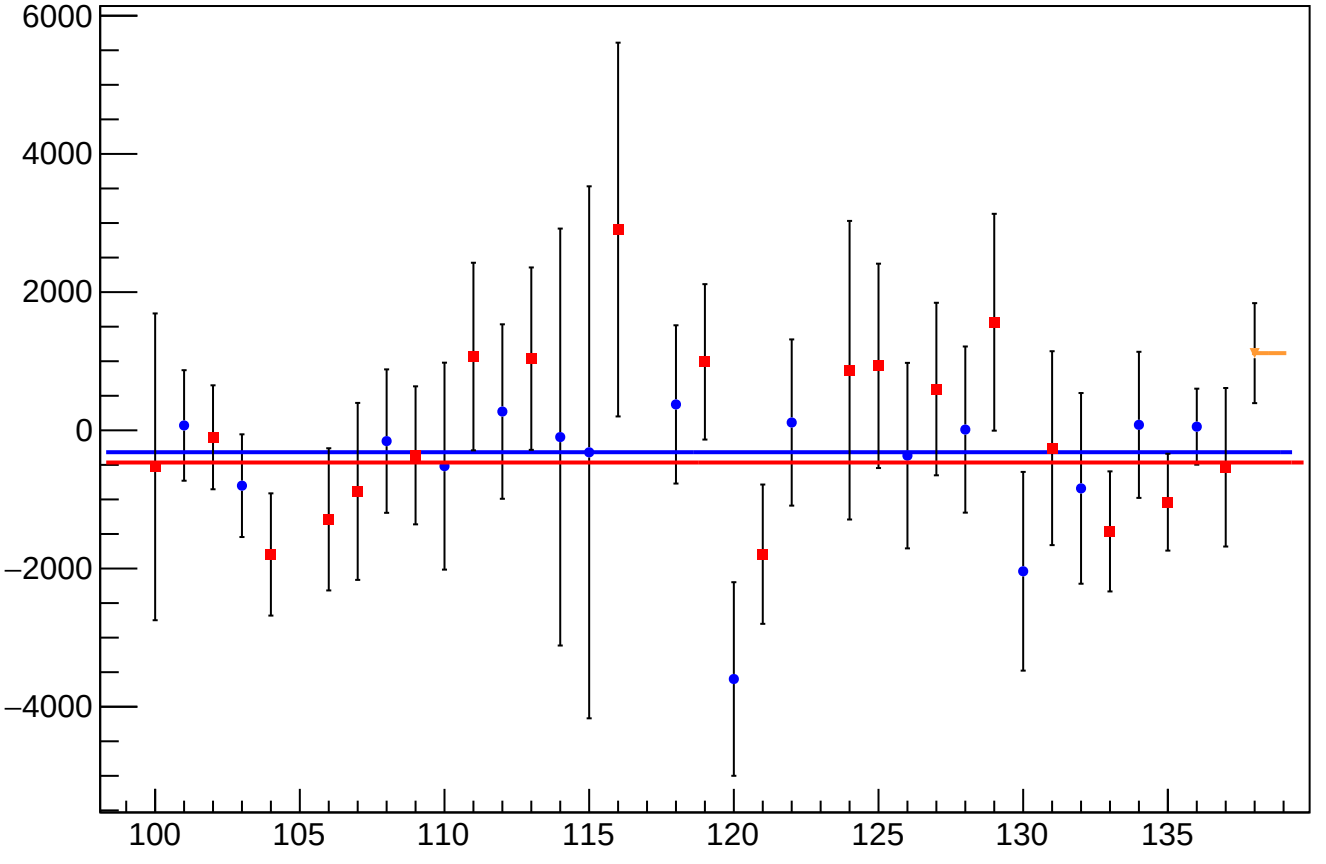
Left: 93.424+/-0.075 χ^2/NDF: 0.0/0

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 97.756+/-0.026 χ^2/NDF:140654.4/15

Out: 96.495+/-0.024 χ^2/NDF:117044.9/19

All: 97.074+/-0.017 χ^2/NDF: 258990.7/35



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 1117.080+/-723.566 χ^2/NDF:0.0/0

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

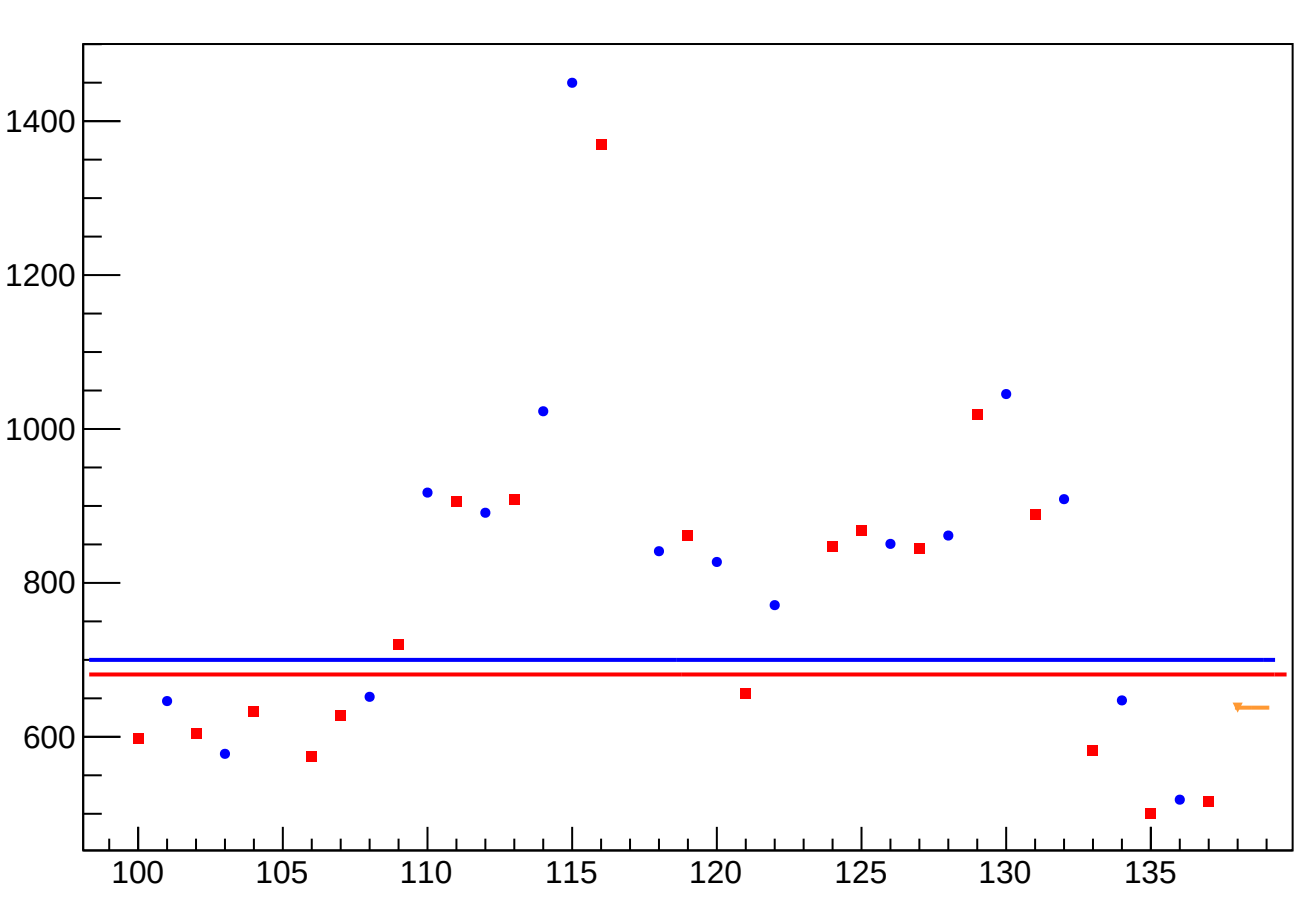
Left: 1117.080+/-723.566 χ^2/NDF: 0.0/0

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -316.572+/-267.515 χ^2/NDF:9.2/15

Out: -288.714+/-241.881 χ^2/NDF:20.7/19

All: -301.245+/-179.416 χ^2/NDF: 29.9/35



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 637.906+/-0.512 χ^2/NDF:0.0/0

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

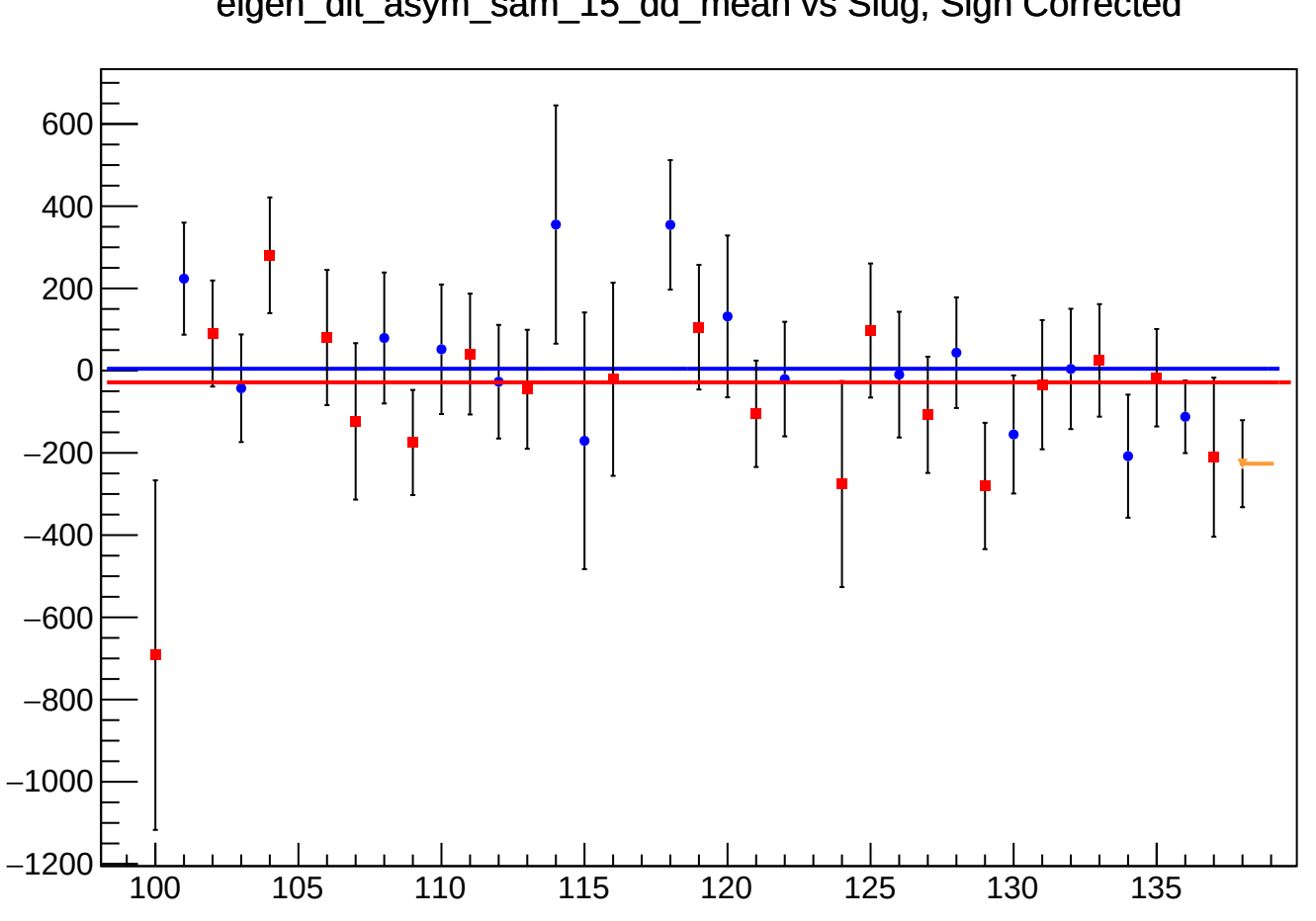
Left: 637.906+/-0.512 χ^2/NDF: 0.0/0

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 699.973+/-0.189 χ^2/NDF:753665.4/15

Out: 676.199+/-0.171 χ^2/NDF:775703.6/19

All: 686.892+/-0.127 χ^2/NDF: 1538059.6/35



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -226.248+/-105.803 χ^2/NDF:0.0/0

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

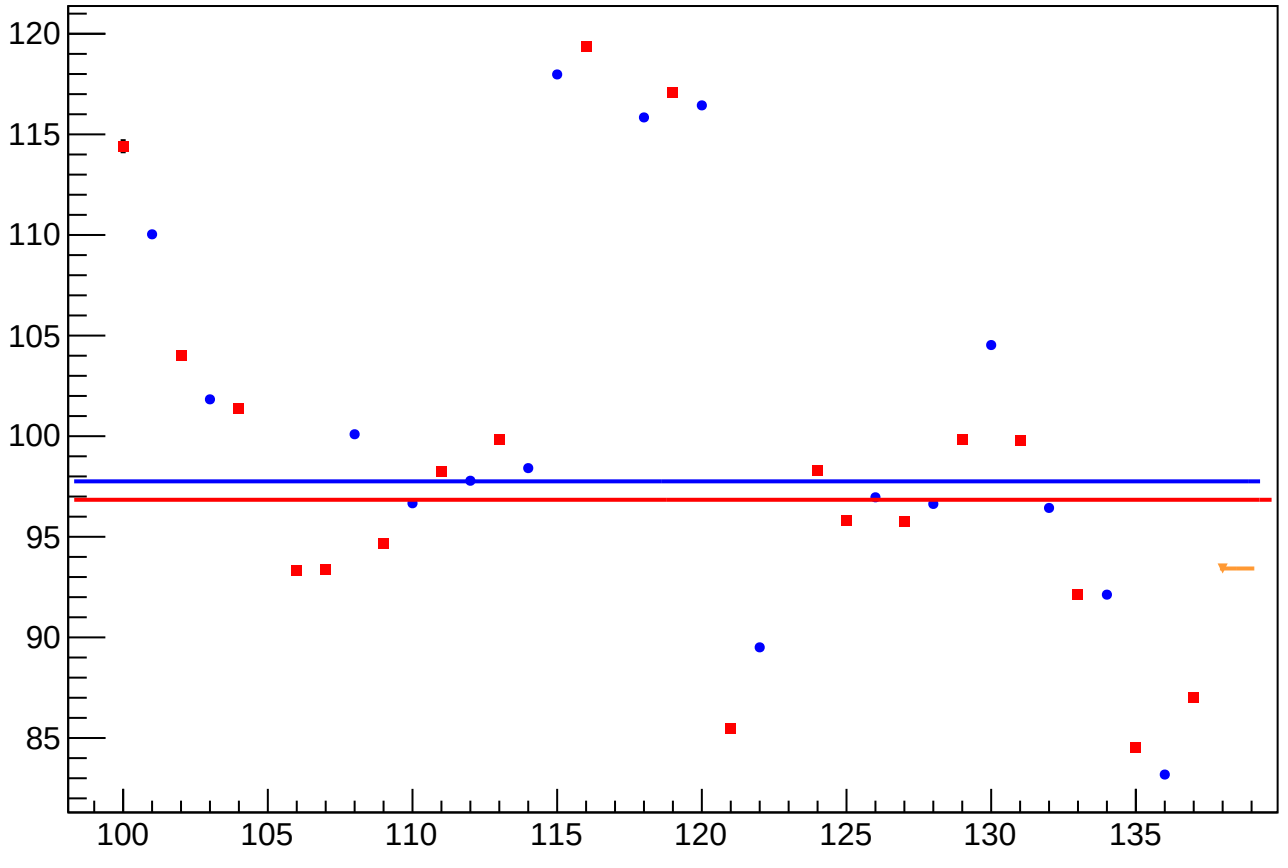
Left: -226.248+/-105.803 χ^2/NDF: 0.0/0

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: 4.620+/-36.509 χ^2/NDF:15.3/15

Out: -48.391+/-33.626 χ^2/NDF:20.2/19

All: -24.061+/-24.734 χ^2/NDF: 36.7/35



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 93.424+/-0.075 χ^2/NDF:0.0/0

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

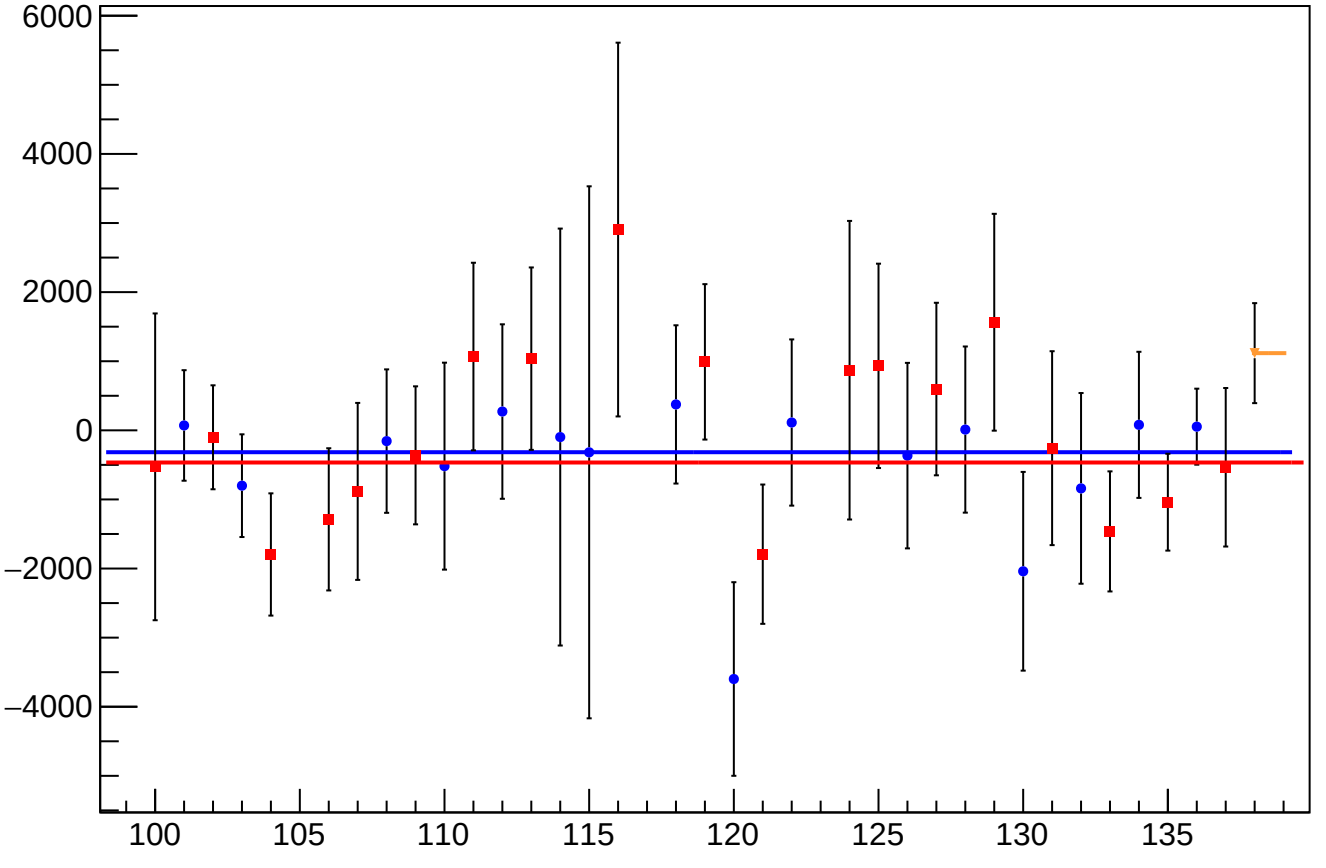
Left: 93.424+/-0.075 χ^2/NDF: 0.0/0

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 97.756+/-0.026 χ^2/NDF:140654.8/15

Out: 96.494+/-0.024 χ^2/NDF:117046.2/19

All: 97.073+/-0.017 χ^2/NDF: 258992.3/35



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 1117.082+/-723.568 χ^2/NDF:0.0/0

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

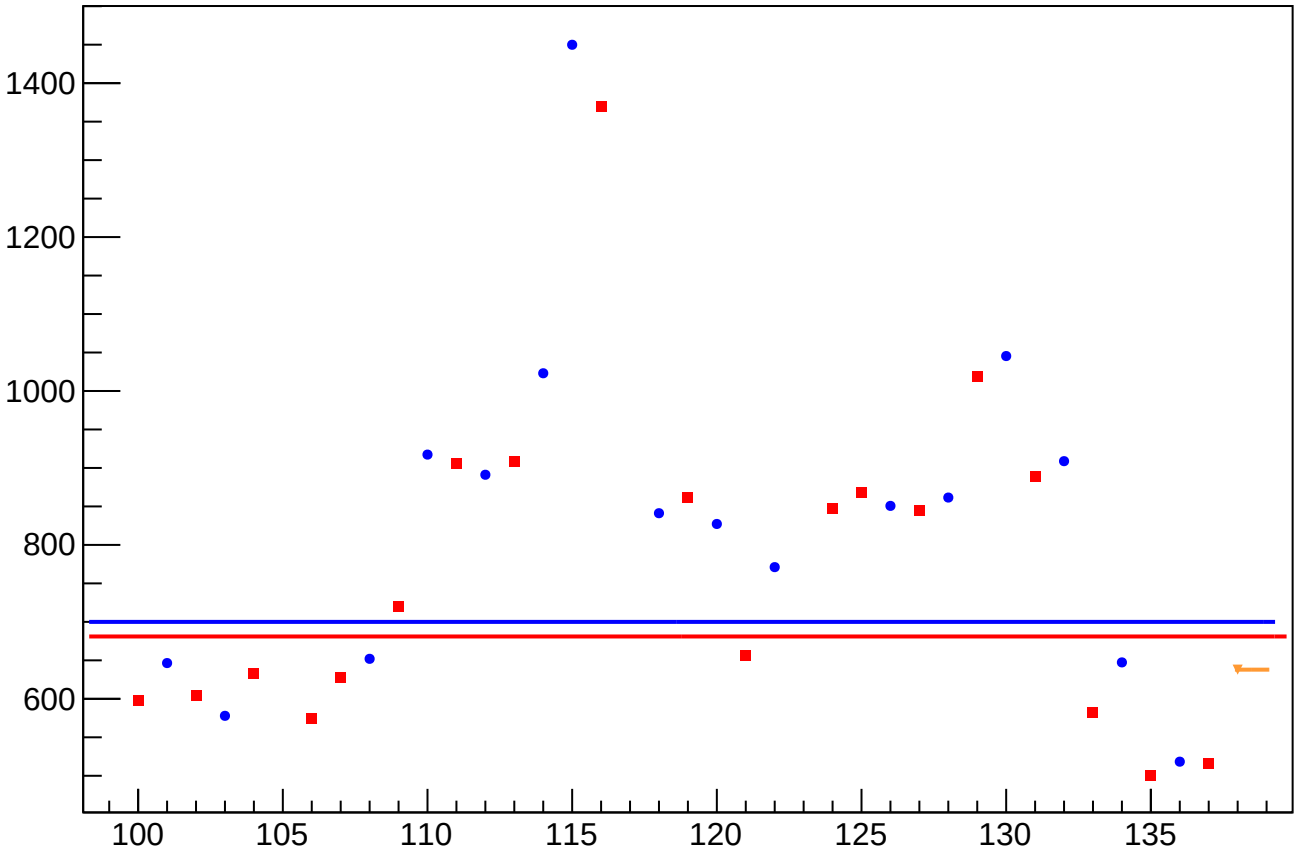
Left: 1117.082+/-723.568 χ^2/NDF: 0.0/0

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -316.570+/-267.515 χ^2/NDF:9.2/15

Out: -288.716+/-241.881 χ^2/NDF:20.7/19

All: -301.245+/-179.415 χ^2/NDF: 29.9/35



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 637.908+/-0.512 χ^2/NDF:0.0/0

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

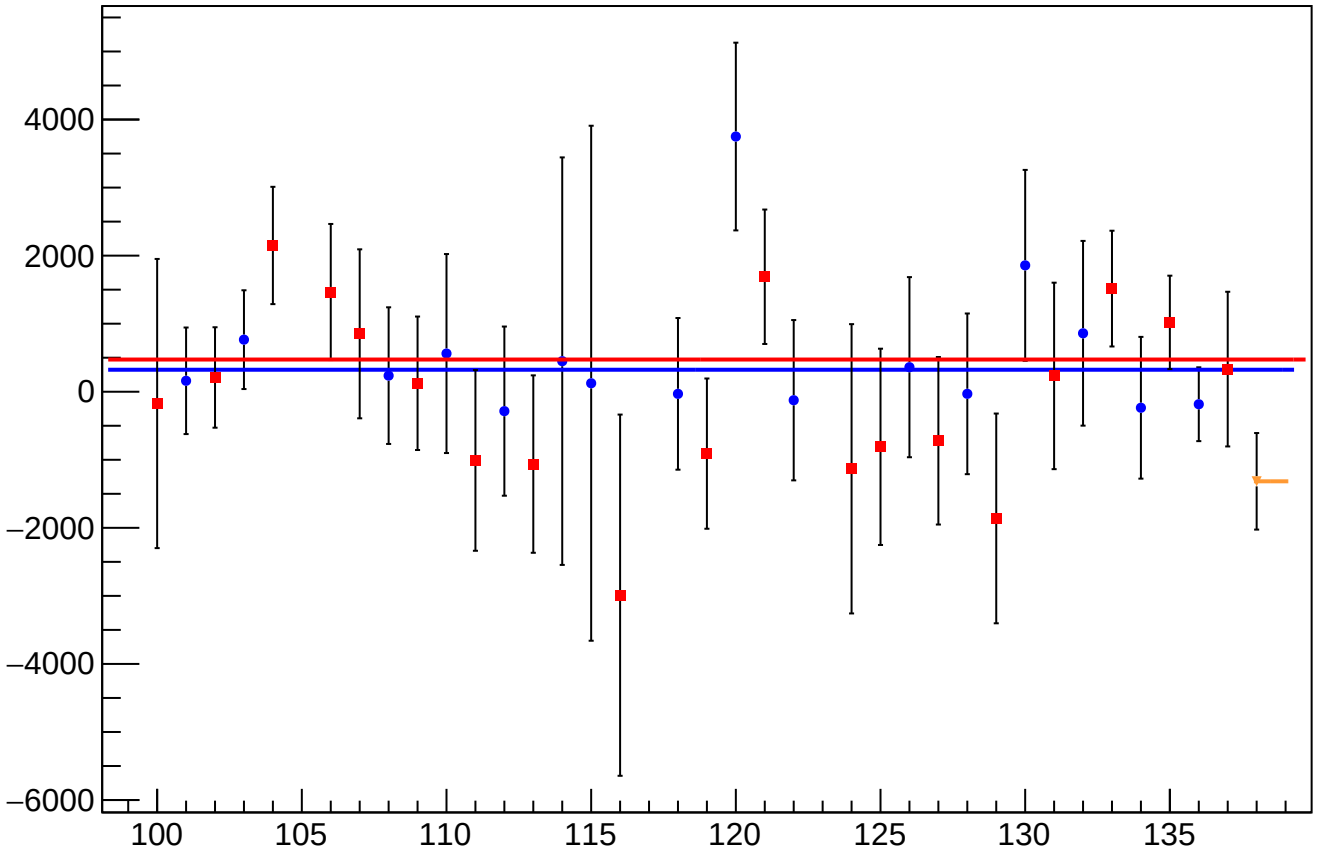
Left: 637.908+/-0.512 χ^2/NDF: 0.0/0

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 699.971+/-0.189 χ^2/NDF:753668.1/15

Out: 676.198+/-0.171 χ^2/NDF:775705.6/19

All: 686.891+/-0.127 χ^2/NDF: 1538064.2/35



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -1316.387+/-709.556 χ^2/NDF:0.0/0

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -1316.387+/-709.556 χ^2/NDF: 0.0/0

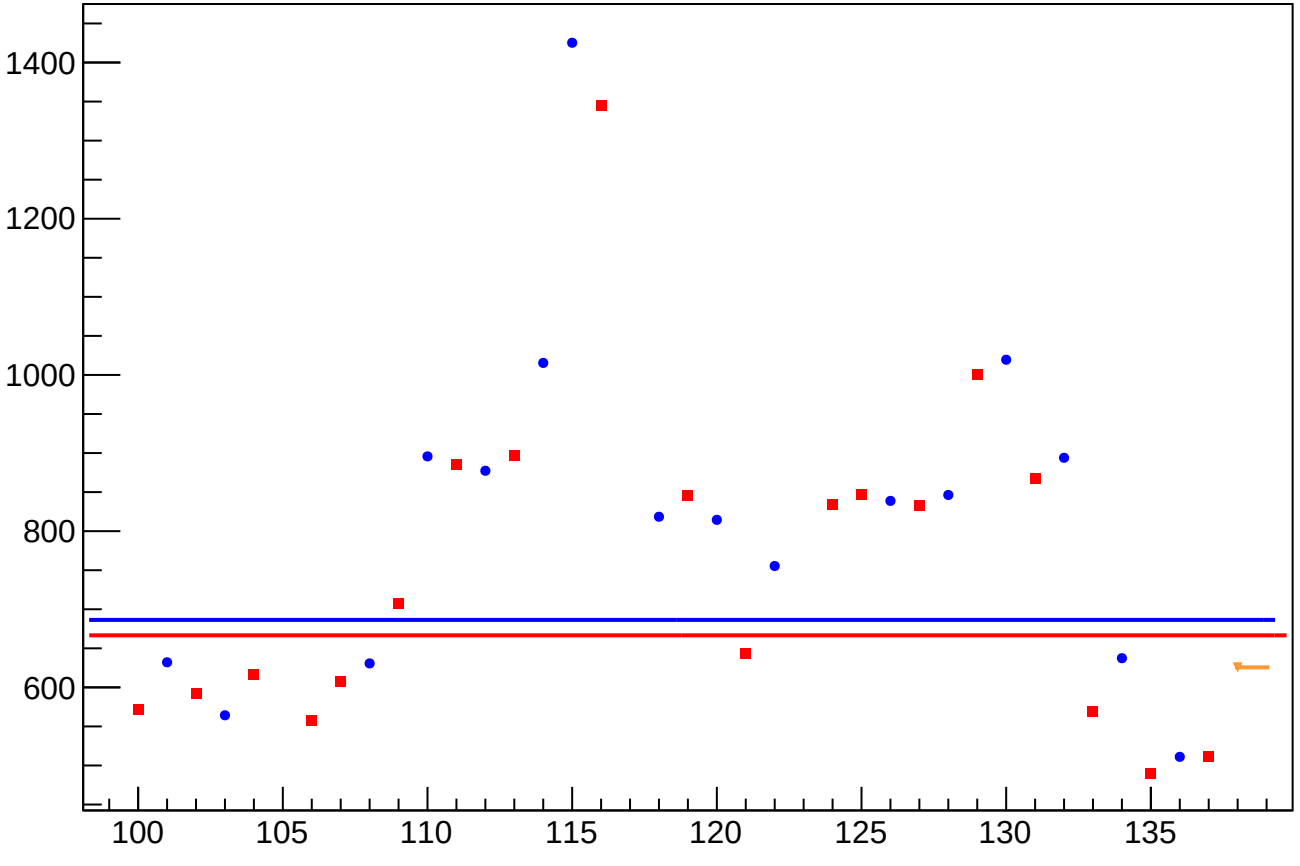
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 323.198+/-262.332 χ^2/NDF:9.7/15

Out: 273.732+/-236.908 χ^2/NDF:25.1/19

All: 295.953+/-175.822 χ^2/NDF: 34.8/35

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 625.625+/-0.502 χ^2/NDF:0.0/0

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

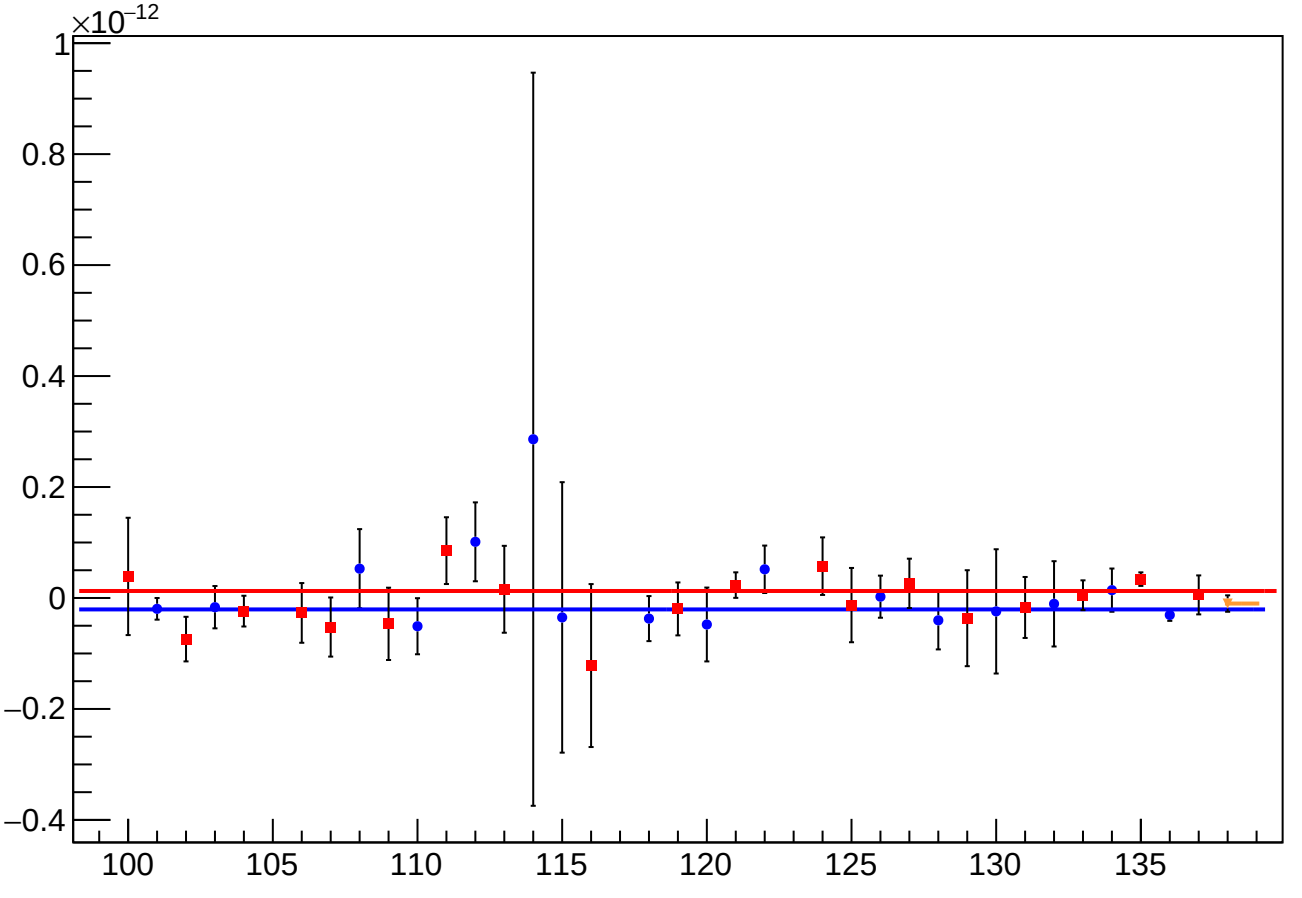
Left: 625.625+/-0.502 χ^2/NDF: 0.0/0

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 686.394+/-0.185 χ^2/NDF:749454.8/15

Out: 662.063+/-0.168 χ^2/NDF:782969.6/19

All: 672.993+/-0.124 χ^2/NDF: 1541900.9/35



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

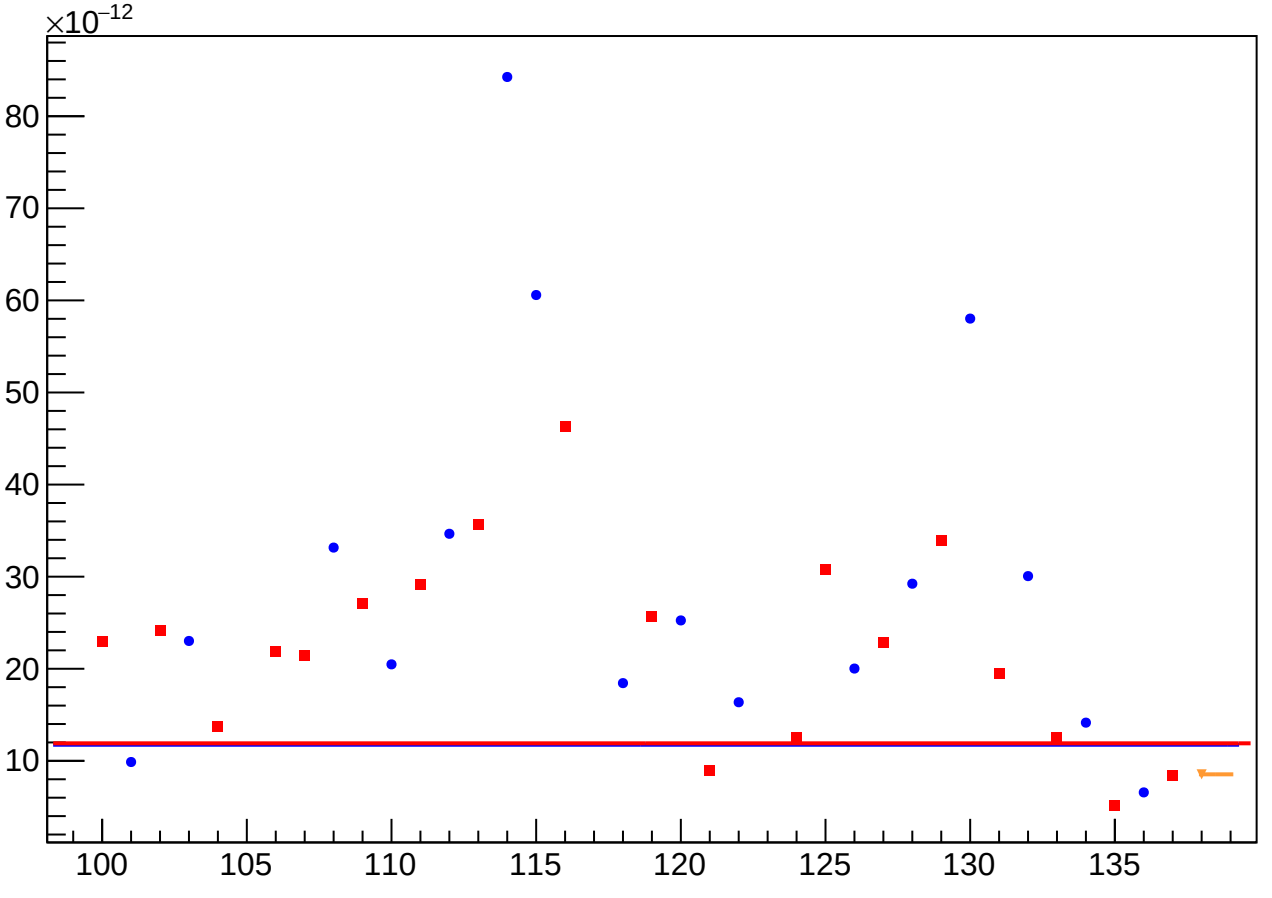
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:10.0/15

Out: 0.000+/-0.000 χ^2/NDF:18.9/19

All: -0.000+/-0.000 χ^2/NDF: 36.2/35

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

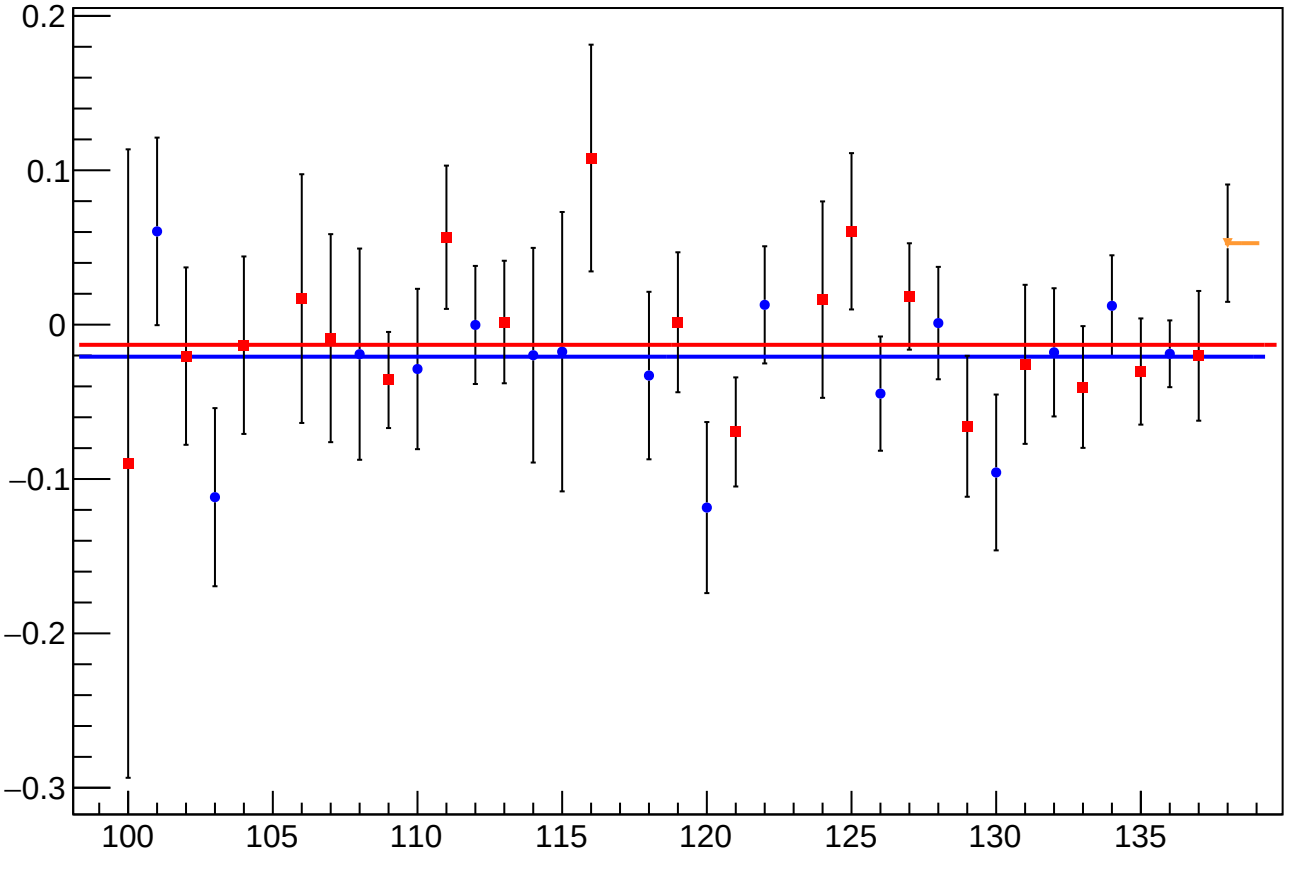
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 4364012.6/34

In: 0.000+/-0.000 χ^2/NDF:2161176.0/15

Out: 0.000+/-0.000 χ^2/NDF:2283288.8/19

All: 0.000+/-0.000 χ^2/NDF: 4450743.0/35



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.053+/-0.038 χ^2/NDF:0.0/0

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

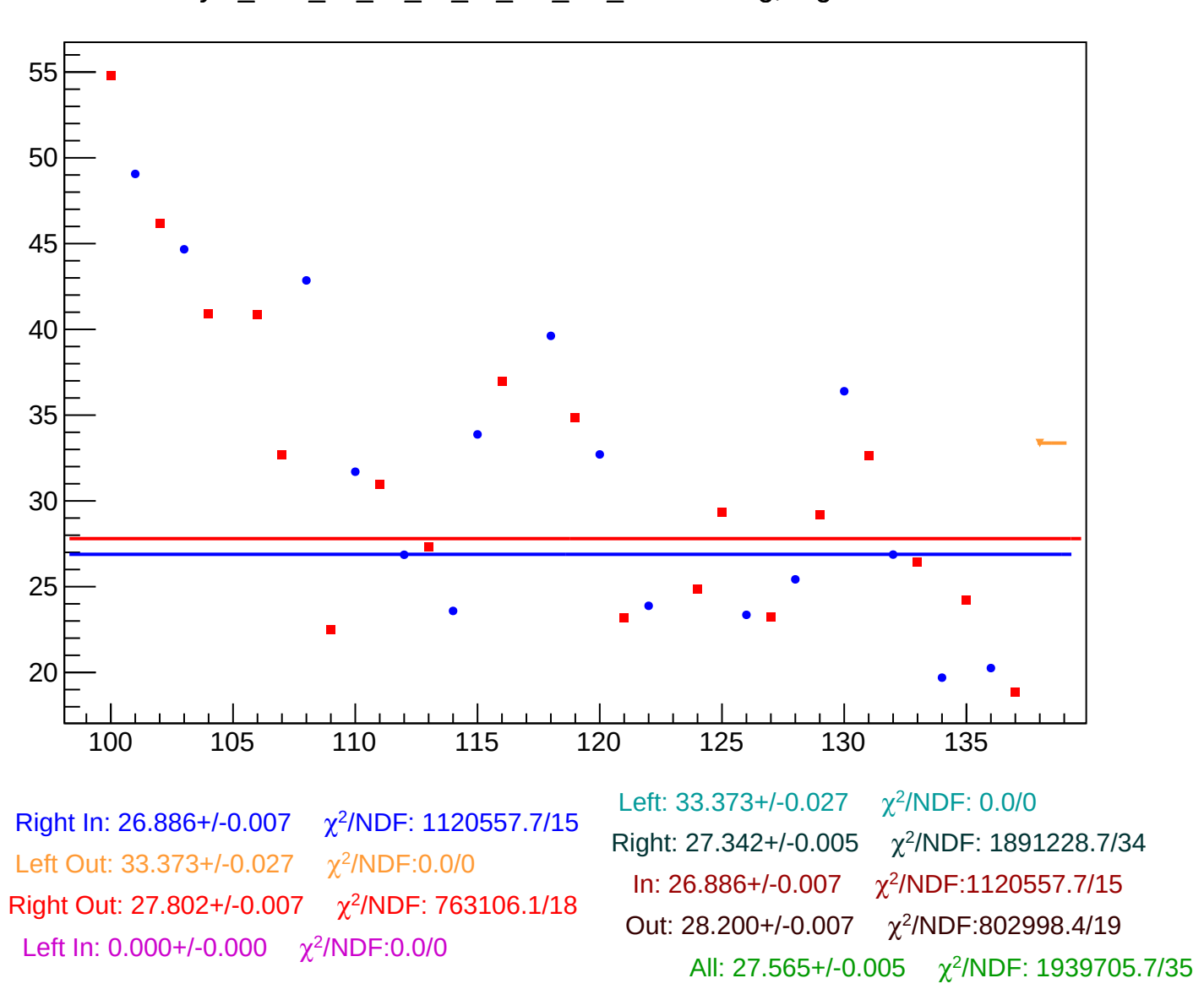
Left: 0.053+/-0.038 χ^2/NDF: 0.0/0

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

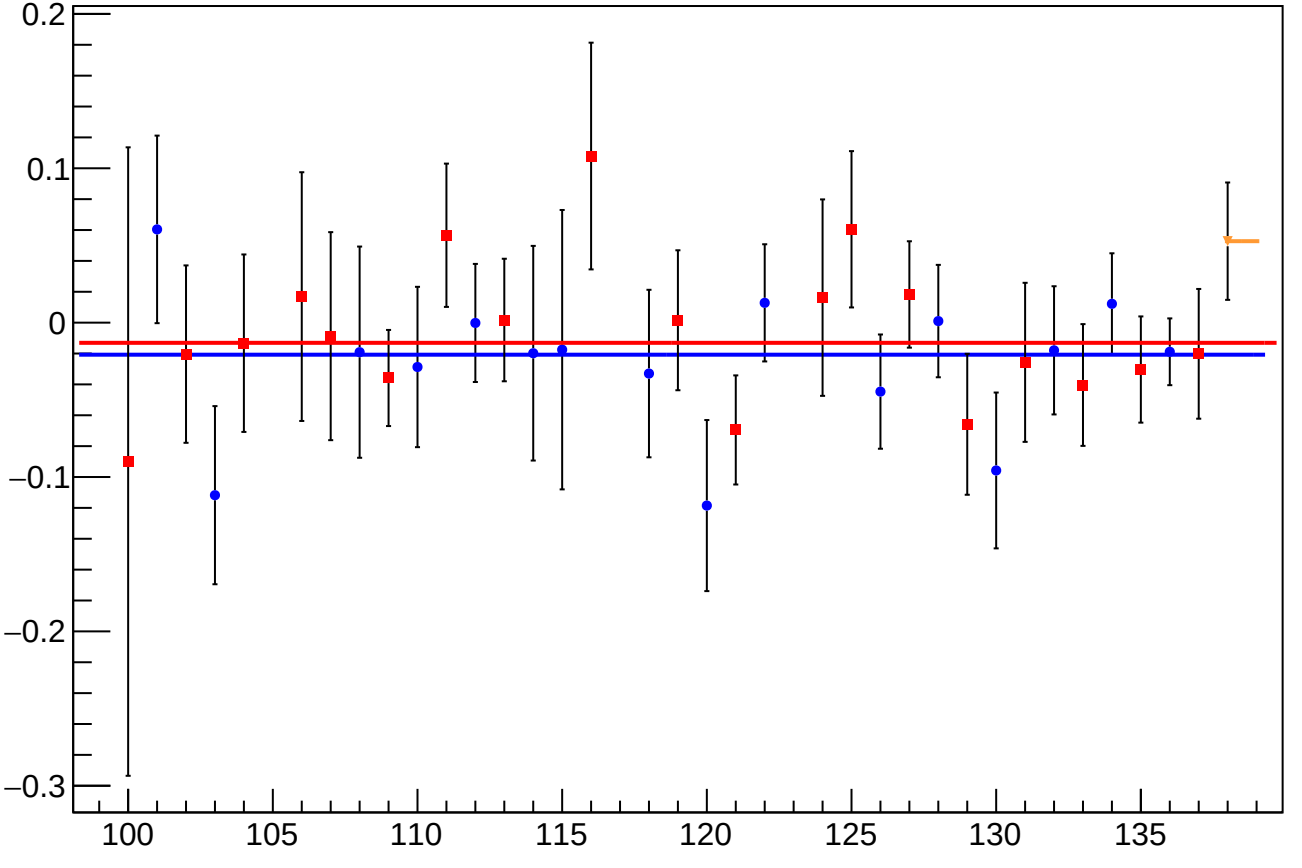
In: -0.021+/-0.011 χ^2/NDF:12.5/15

Out: -0.008+/-0.010 χ^2/NDF:16.7/19

All: -0.014+/-0.007 χ^2/NDF: 30.0/35


asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
55
50
45
40
35
30
25
20
100
105
110
115
120
125
130
135
Right In: 26.886+/-0.007 χ²/NDF: 1120557.7/15
Left Out: 33.373+/-0.027 χ²/NDF:0.0/0
Right Out: 27.802+/-0.007 χ²/NDF: 763106.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 33.373+/-0.027 χ²/NDF: 0.0/0
Right: 27.342+/-0.005 χ²/NDF: 1891228.7/34
In: 26.886+/-0.007 χ²/NDF:1120557.7/15
Out: 28.200+/-0.007 χ²/NDF:802998.4/19
All: 27.565+/-0.005 χ²/NDF: 1939705.7/35

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.053+/-0.038 χ^2/NDF:0.0/0

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.053+/-0.038 χ^2/NDF: 0.0/0

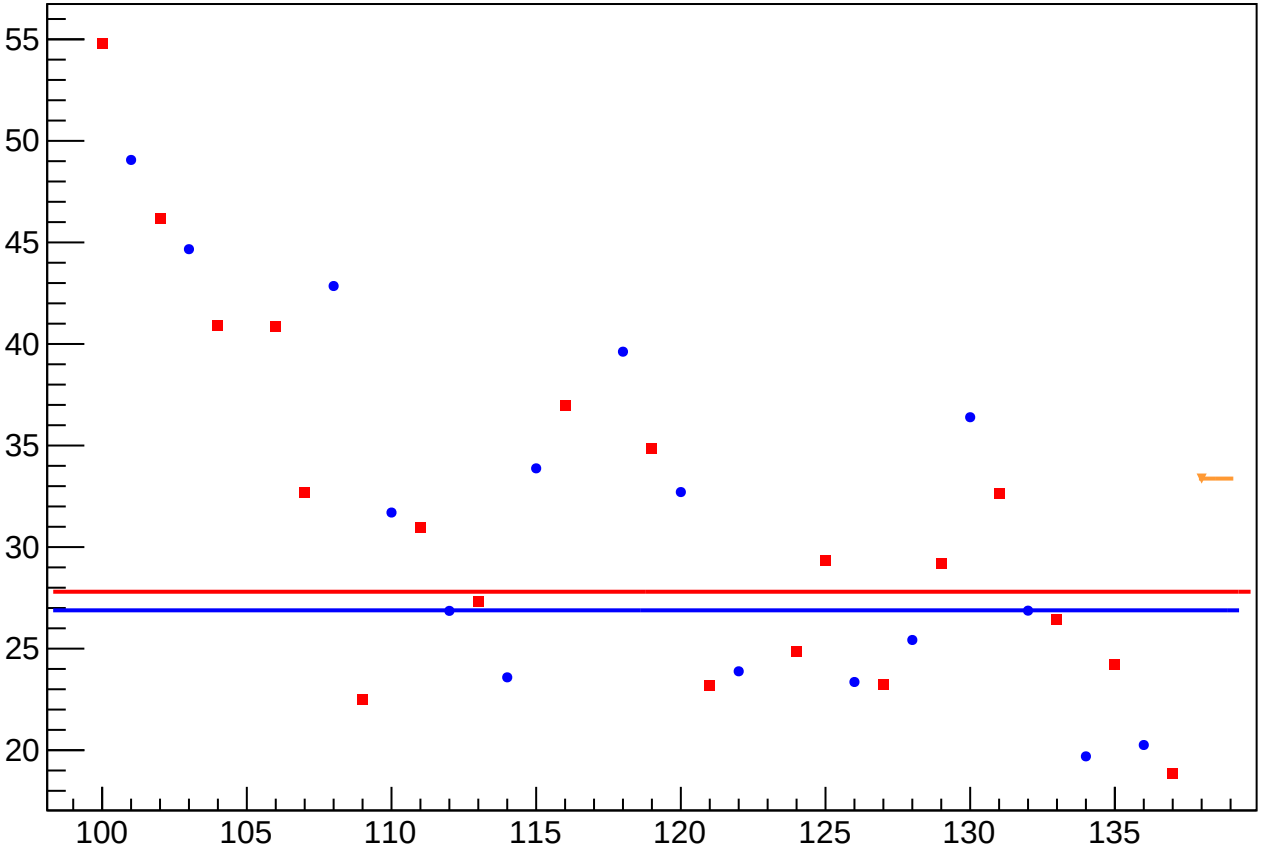
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.021+/-0.011 χ^2/NDF:12.5/15

Out: -0.008+/-0.010 χ^2/NDF:16.7/19

All: -0.014+/-0.007 χ^2/NDF: 30.0/35

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 33.373+/-0.027 χ^2/NDF:0.0/0

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

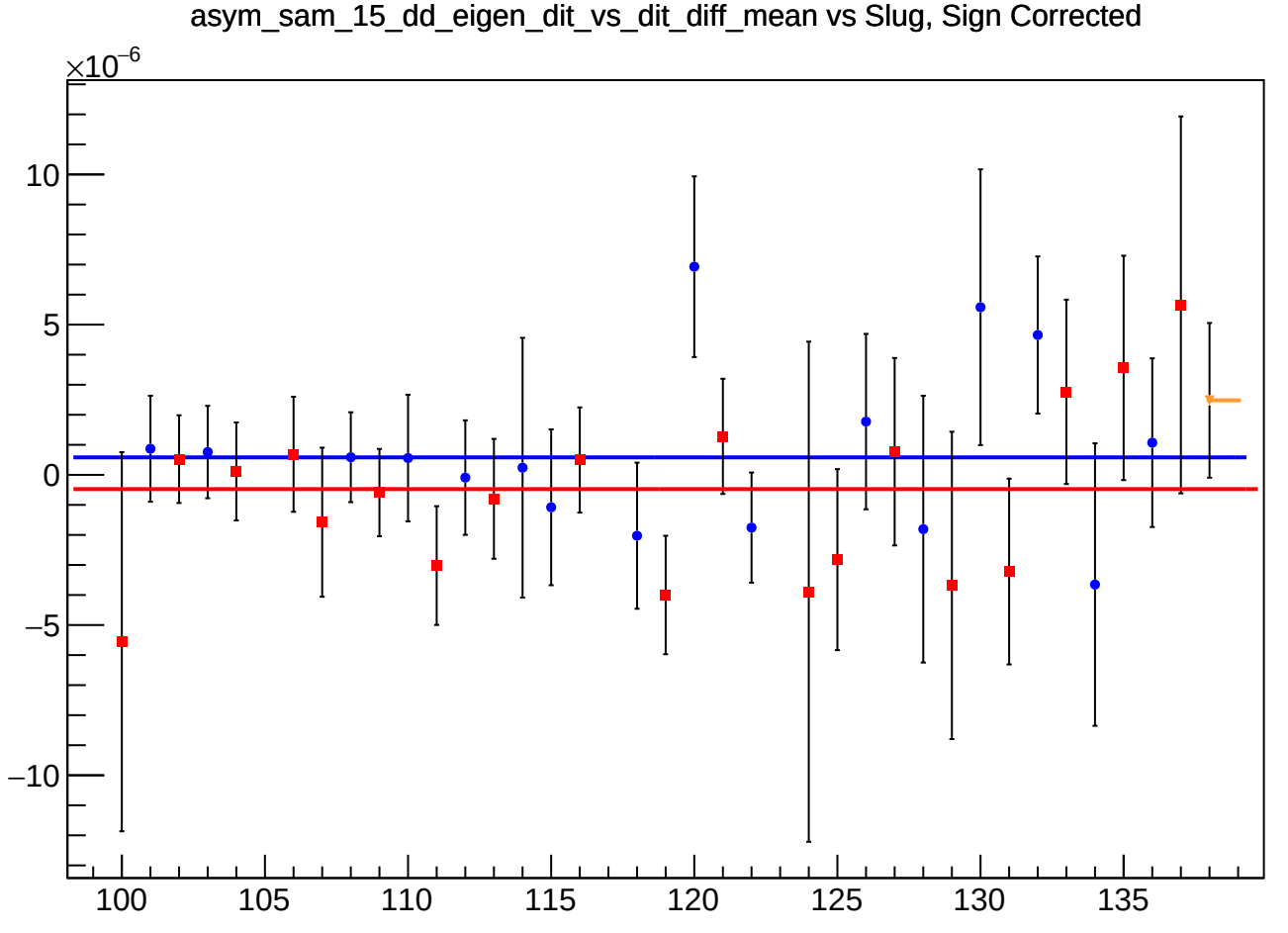
Left: 33.373+/-0.027 χ^2/NDF: 0.0/0

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 26.886+/-0.007 χ^2/NDF:1120557.7/15

Out: 28.200+/-0.007 χ^2/NDF:802998.4/19

All: 27.565+/-0.005 χ^2/NDF: 1939705.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

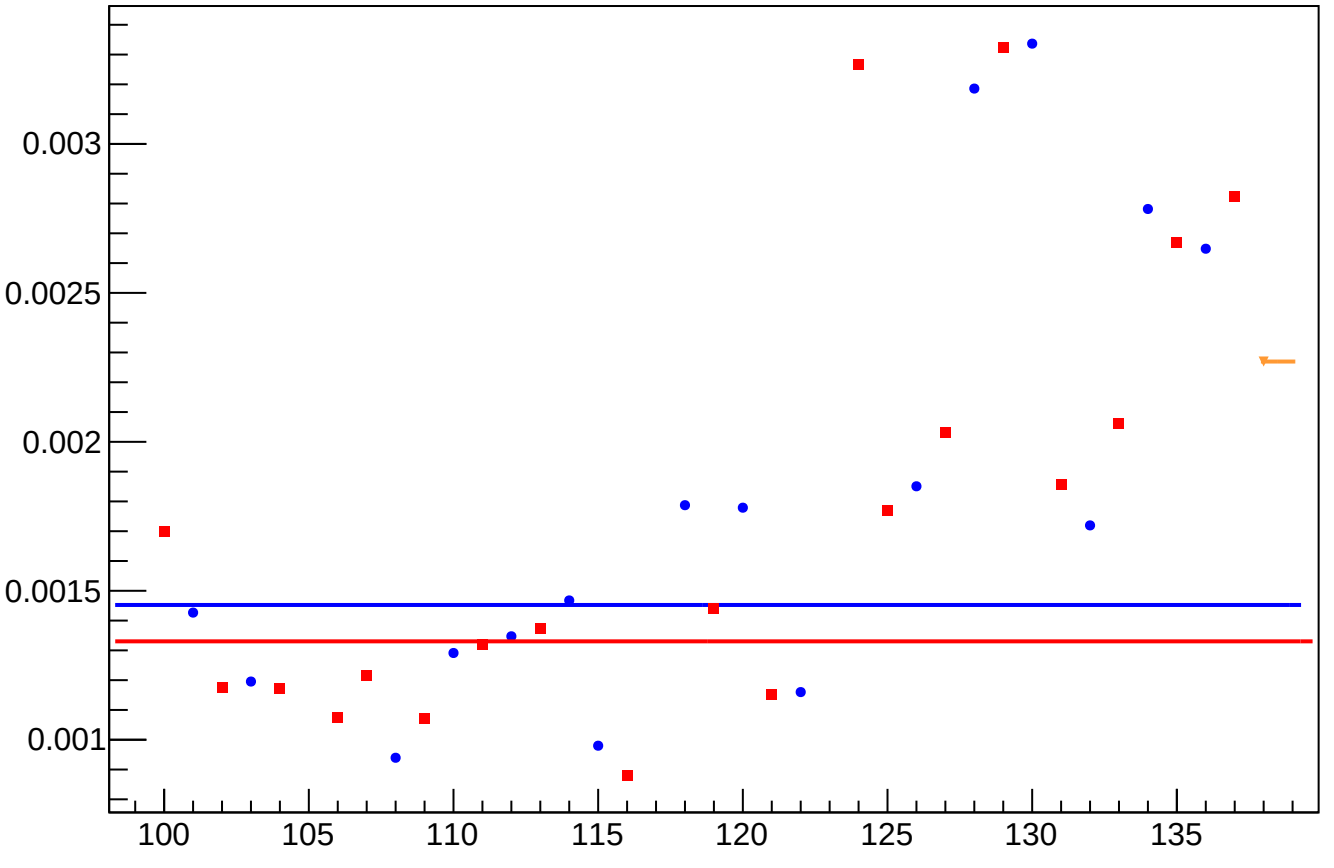
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:12.7/15

Out: -0.000+/-0.000 χ^2/NDF:14.5/19

All: 0.000+/-0.000 χ^2/NDF: 28.7/35



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

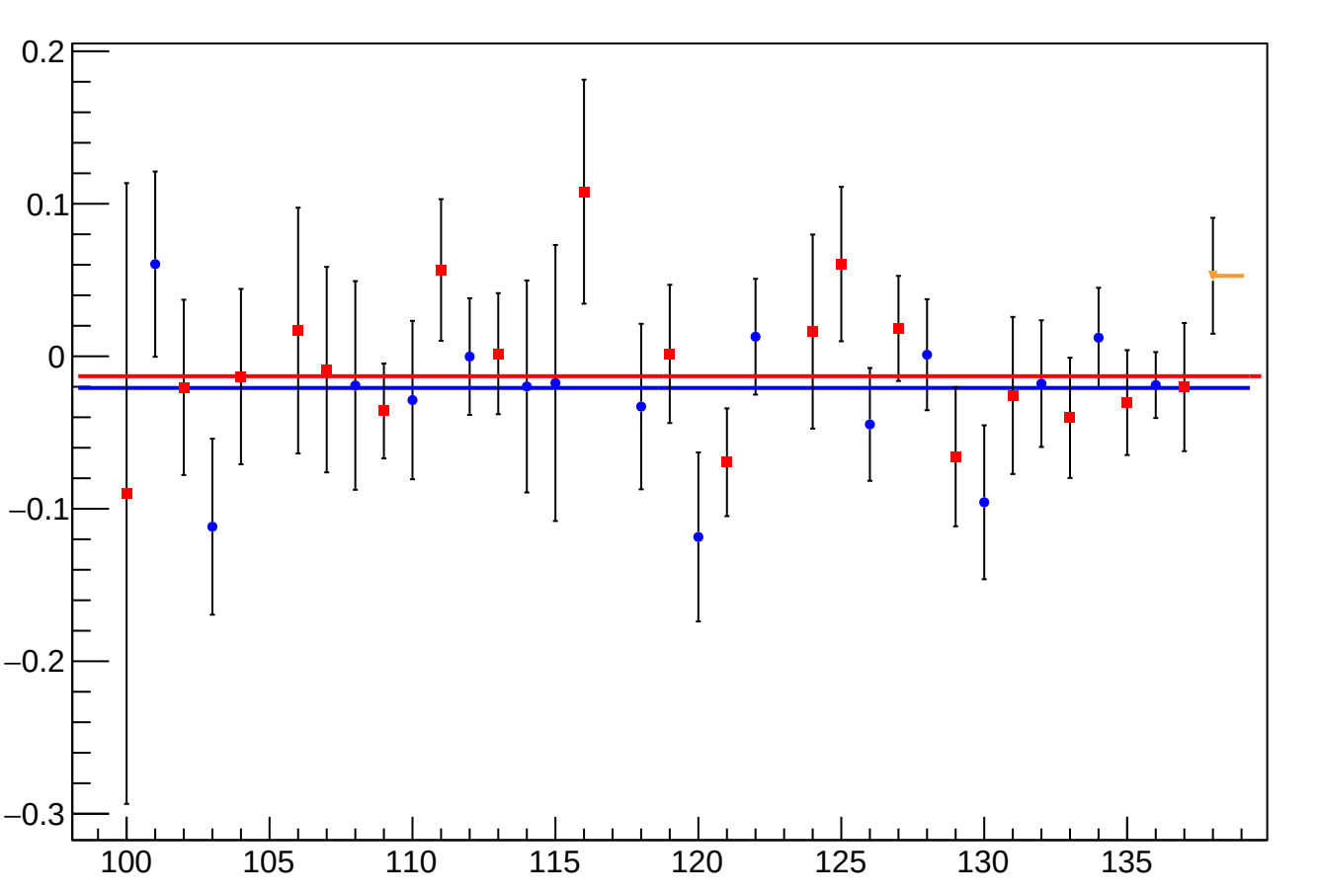
Left: 0.002+/-0.000 χ^2/NDF: 0.0/0

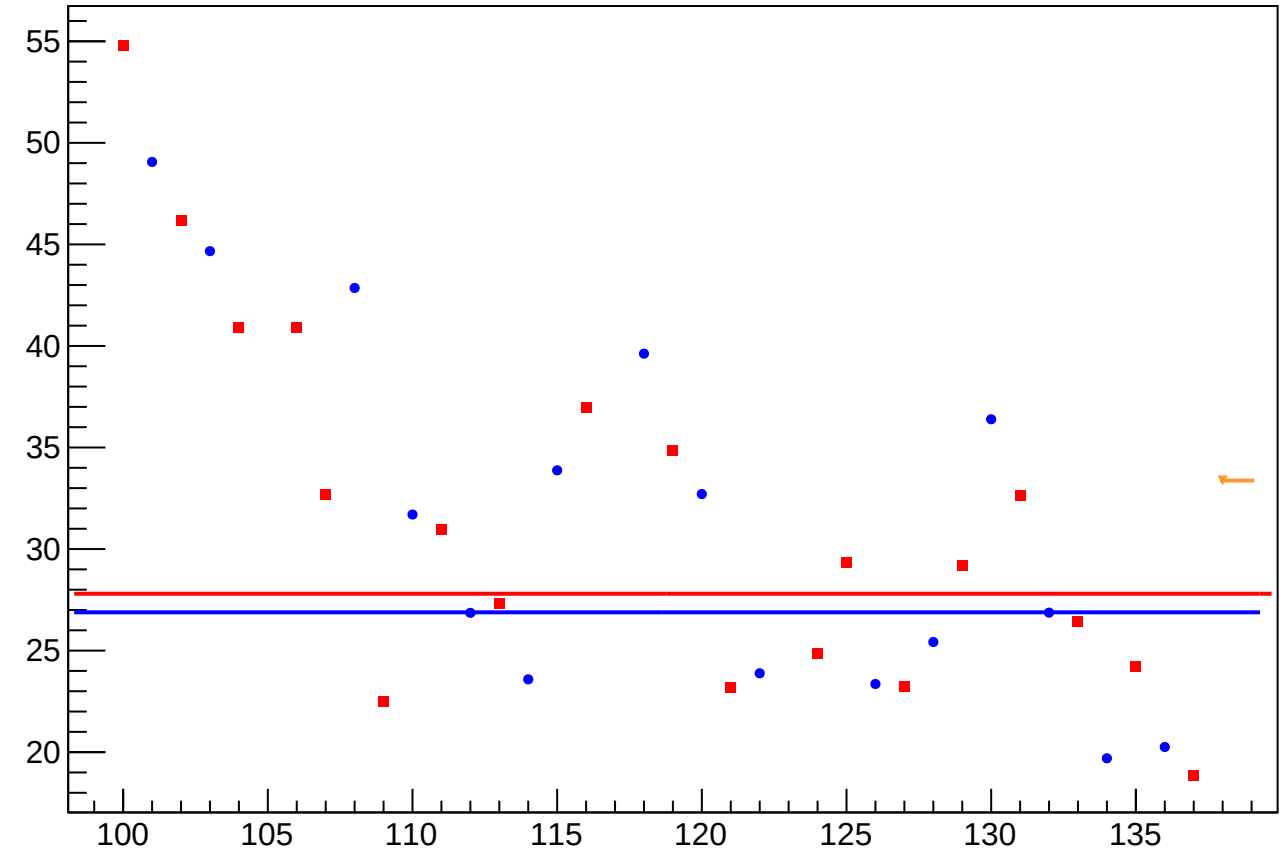
Right: 0.001+/-0.000 χ^2/NDF: 3162860.5/34

In: 0.001+/-0.000 χ^2/NDF:1710487.9/15

Out: 0.001+/-0.000 χ^2/NDF:1658634.0/19

All: 0.001+/-0.000 χ^2/NDF: 3393828.1/35


asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
105
110
115
120
125
130
135
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.053+/-0.038 χ²/NDF:0.0/0
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.053+/-0.038 χ²/NDF: 0.0/0
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.021+/-0.011 χ²/NDF:12.5/15
Out: -0.008+/-0.010 χ²/NDF:16.7/19
All: -0.014+/-0.007 χ²/NDF: 30.0/35



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 33.374+/-0.027 χ^2/NDF:0.0/0

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 33.374+/-0.027 χ^2/NDF: 0.0/0

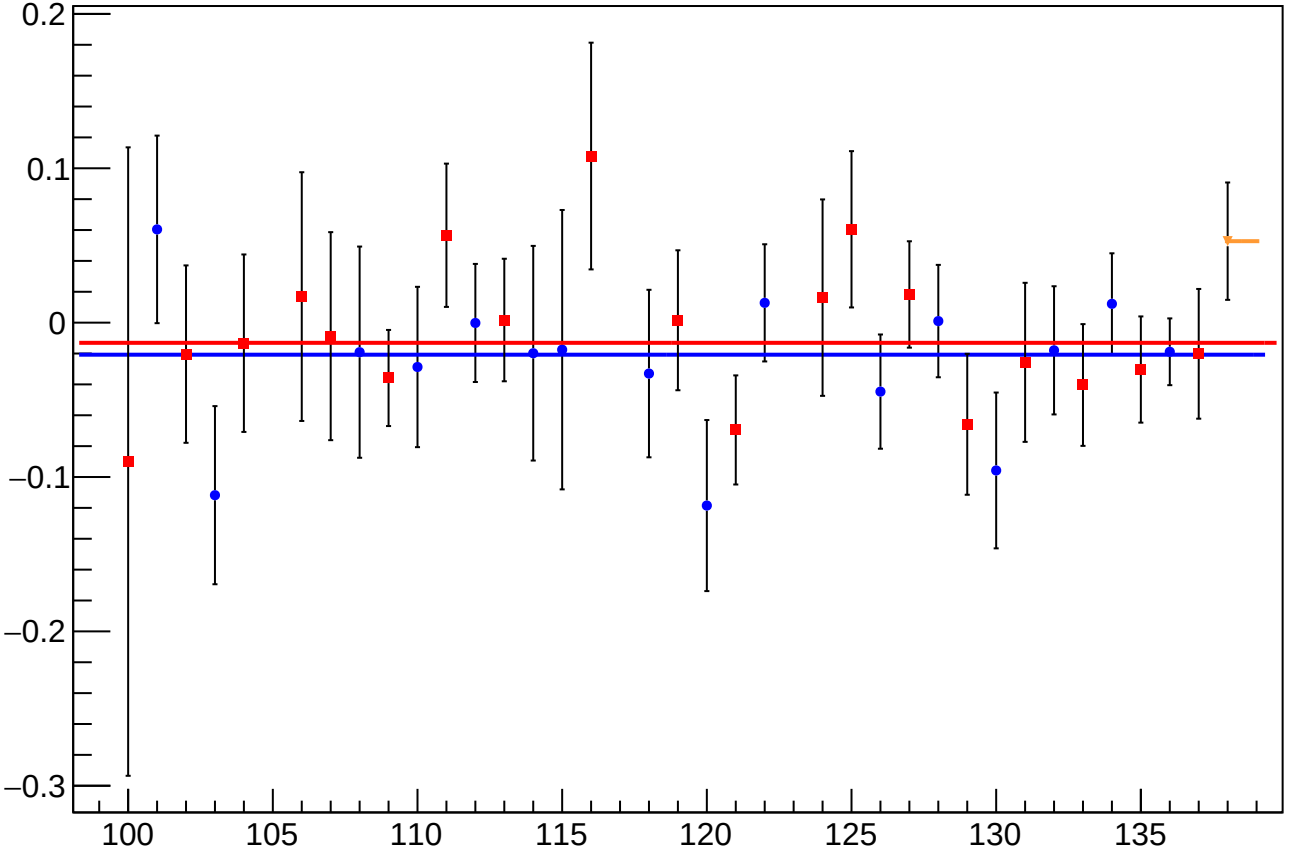
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 26.885+/-0.007 χ^2/NDF:1120567.7/15

Out: 28.198+/-0.007 χ^2/NDF:803142.1/19

All: 27.564+/-0.005 χ^2/NDF: 1939852.1/35

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.053+/-0.038 χ^2/NDF:0.0/0

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.053+/-0.038 χ^2/NDF: 0.0/0

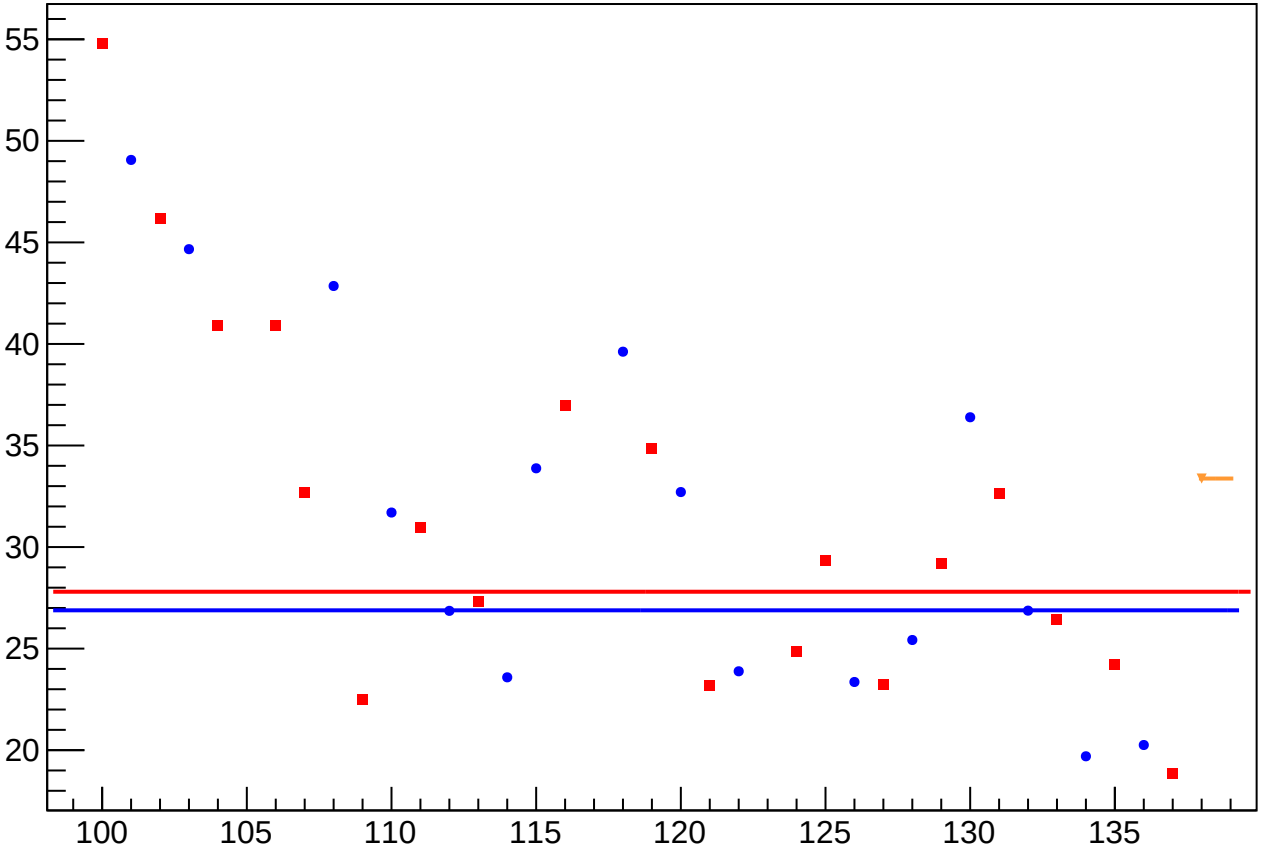
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.021+/-0.011 χ^2/NDF:12.5/15

Out: -0.008+/-0.010 χ^2/NDF:16.7/19

All: -0.014+/-0.007 χ^2/NDF: 30.0/35

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: 33.374+/-0.027 χ^2/NDF:0.0/0

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

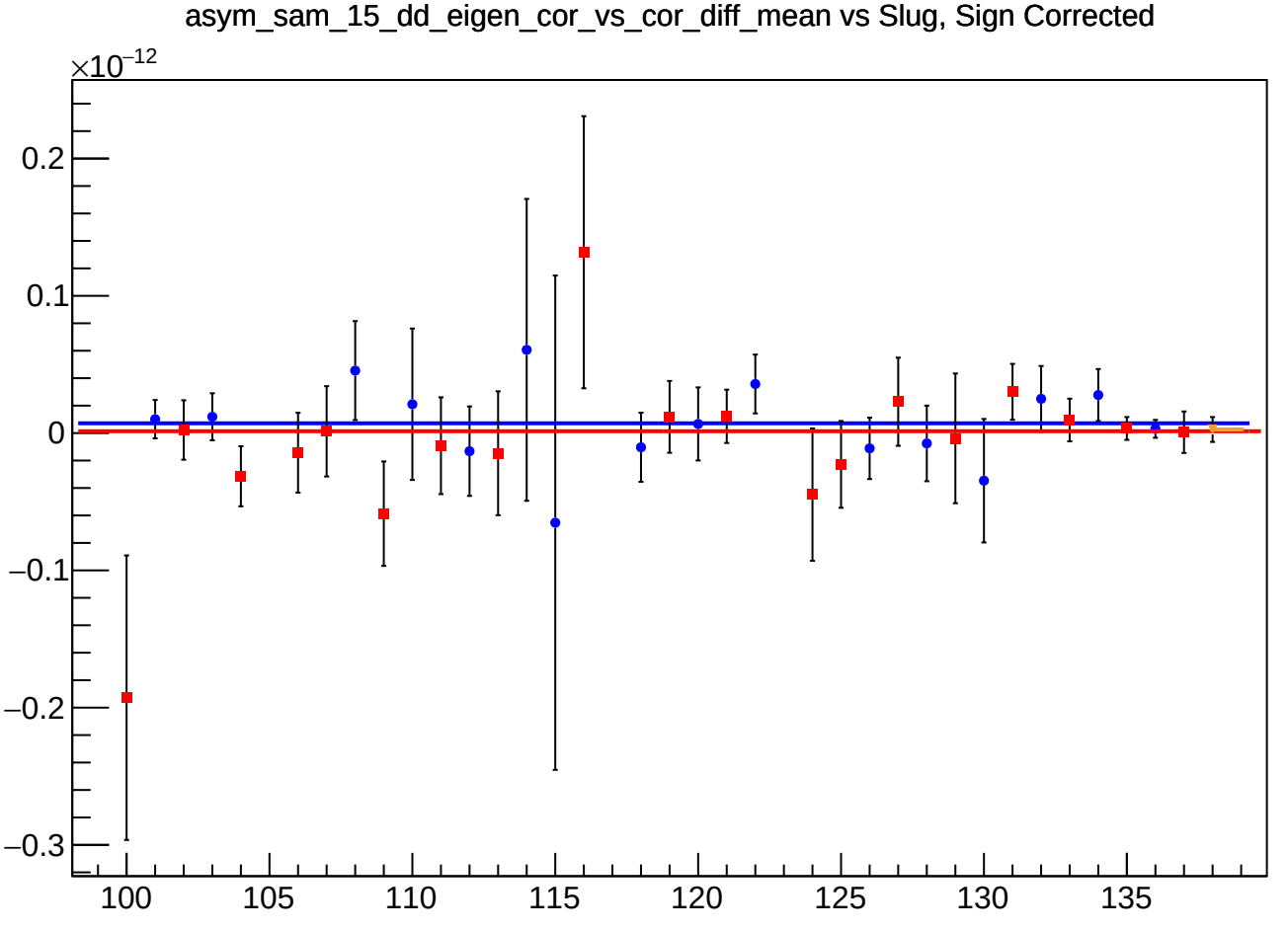
Left: 33.374+/-0.027 χ^2/NDF: 0.0/0

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 26.885+/-0.007 χ^2/NDF:1120567.7/15

Out: 28.198+/-0.007 χ^2/NDF:803142.1/19

All: 27.564+/-0.005 χ^2/NDF: 1939852.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

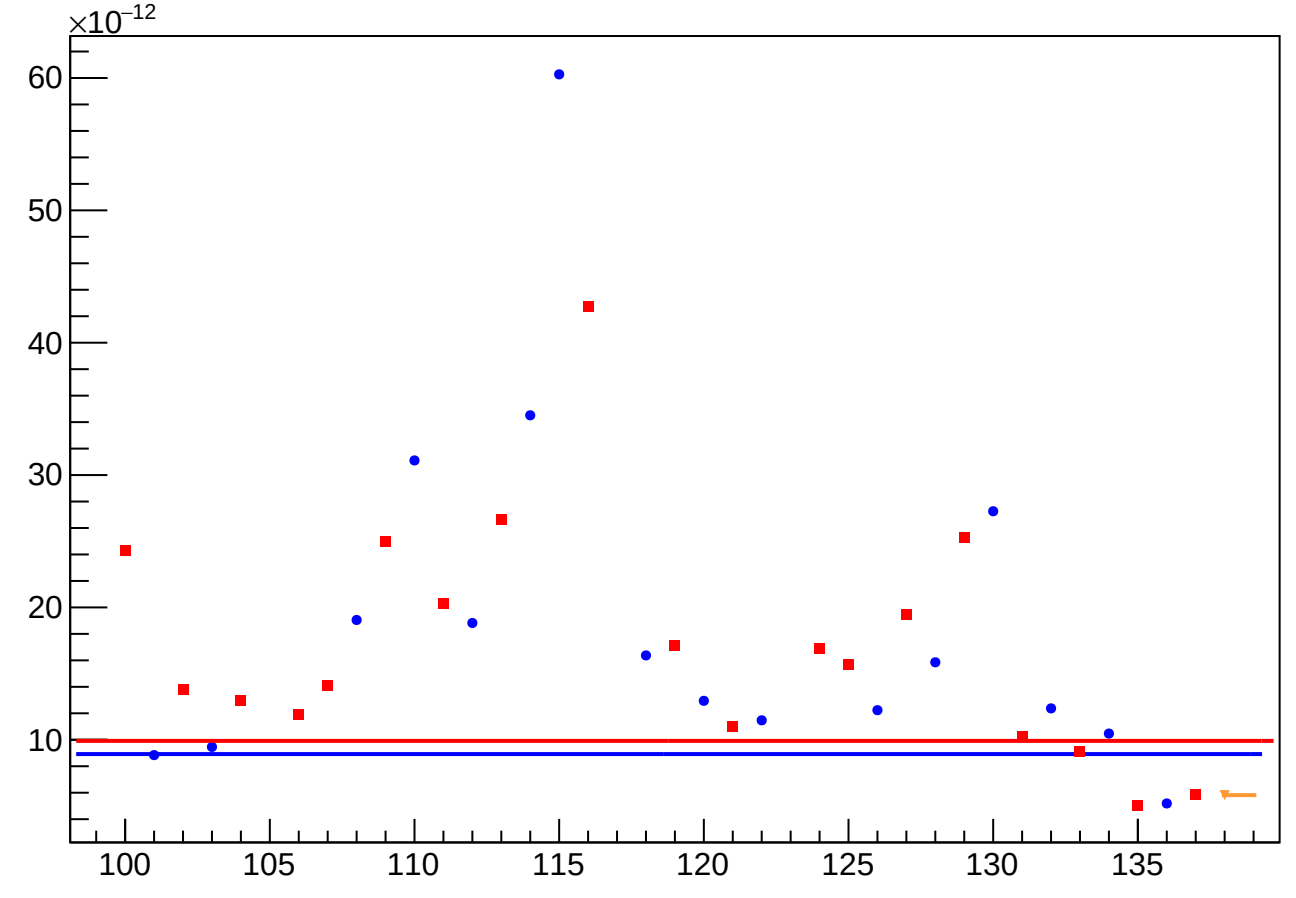
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:8.3/15

Out: 0.000+/-0.000 χ^2/NDF:15.3/19

All: 0.000+/-0.000 χ^2/NDF: 24.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

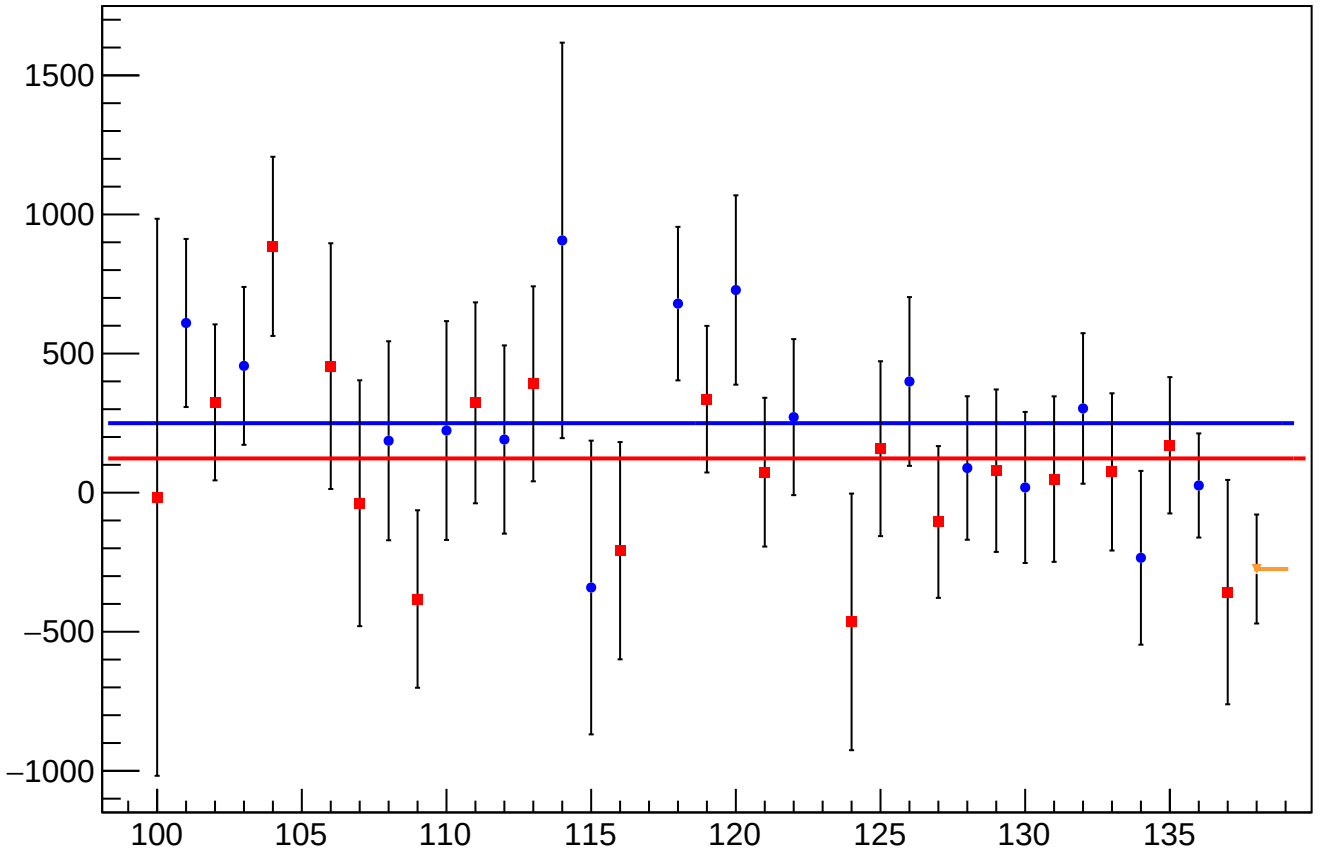
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:2402804.6/15

Out: 0.000+/-0.000 χ^2/NDF:2984943.0/19

All: 0.000+/-0.000 χ^2/NDF: 5387904.9/35



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -274.473+/-195.845 χ^2/NDF:0.0/0

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -274.473+/-195.845 χ^2/NDF: 0.0/0

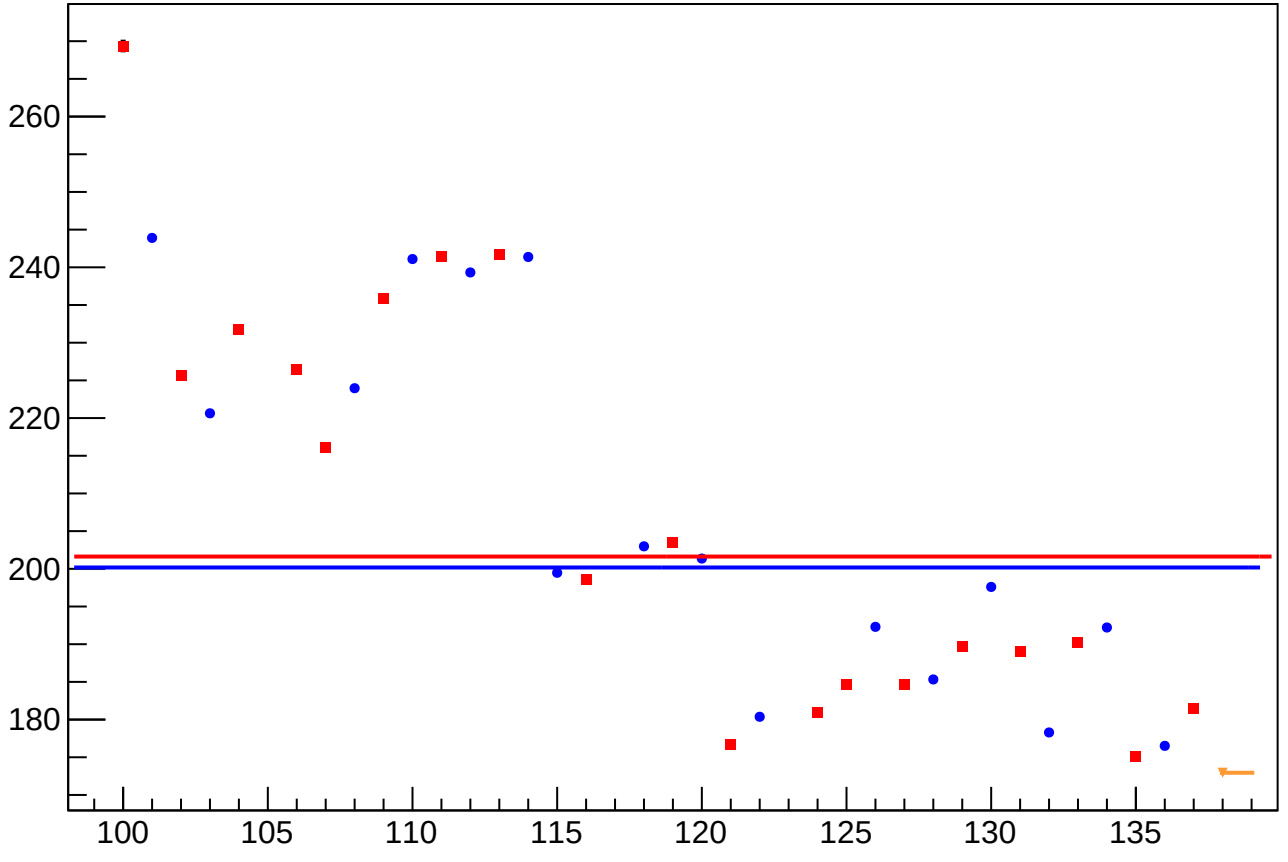
Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: 249.761+/-74.877 χ^2/NDF:13.8/15

Out: 72.902+/-69.526 χ^2/NDF:19.2/19

All: 154.786+/-50.949 χ^2/NDF: 35.9/35

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 172.945+/-0.138 χ^2/NDF:0.0/0

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 172.945+/-0.138 χ^2/NDF: 0.0/0

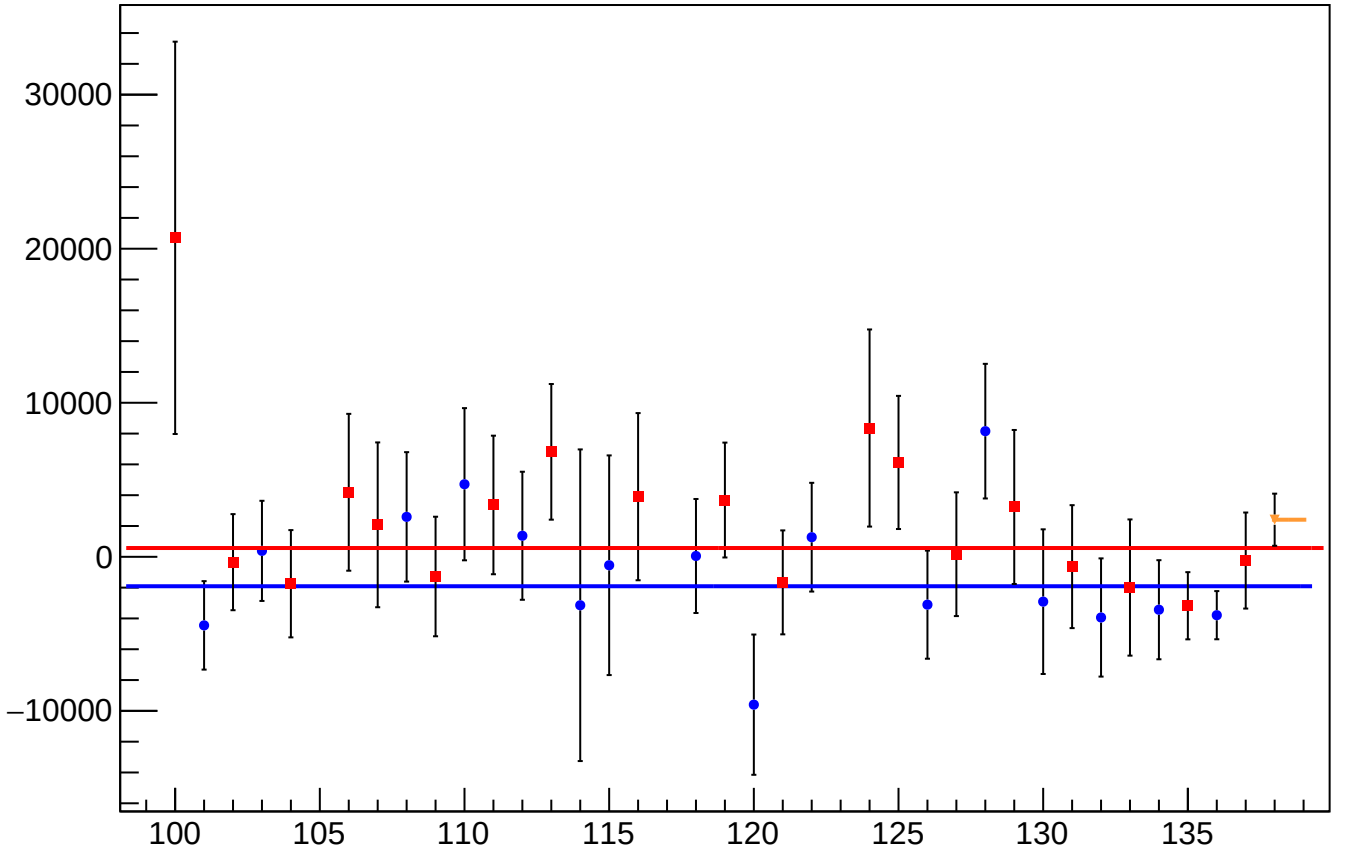
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.177+/-0.053 χ^2/NDF:181001.3/15

Out: 198.012+/-0.049 χ^2/NDF:234736.7/19

All: 199.014+/-0.036 χ^2/NDF: 416635.6/35

asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: 2408.765+/-1691.197 χ^2/NDF:0.0/0

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

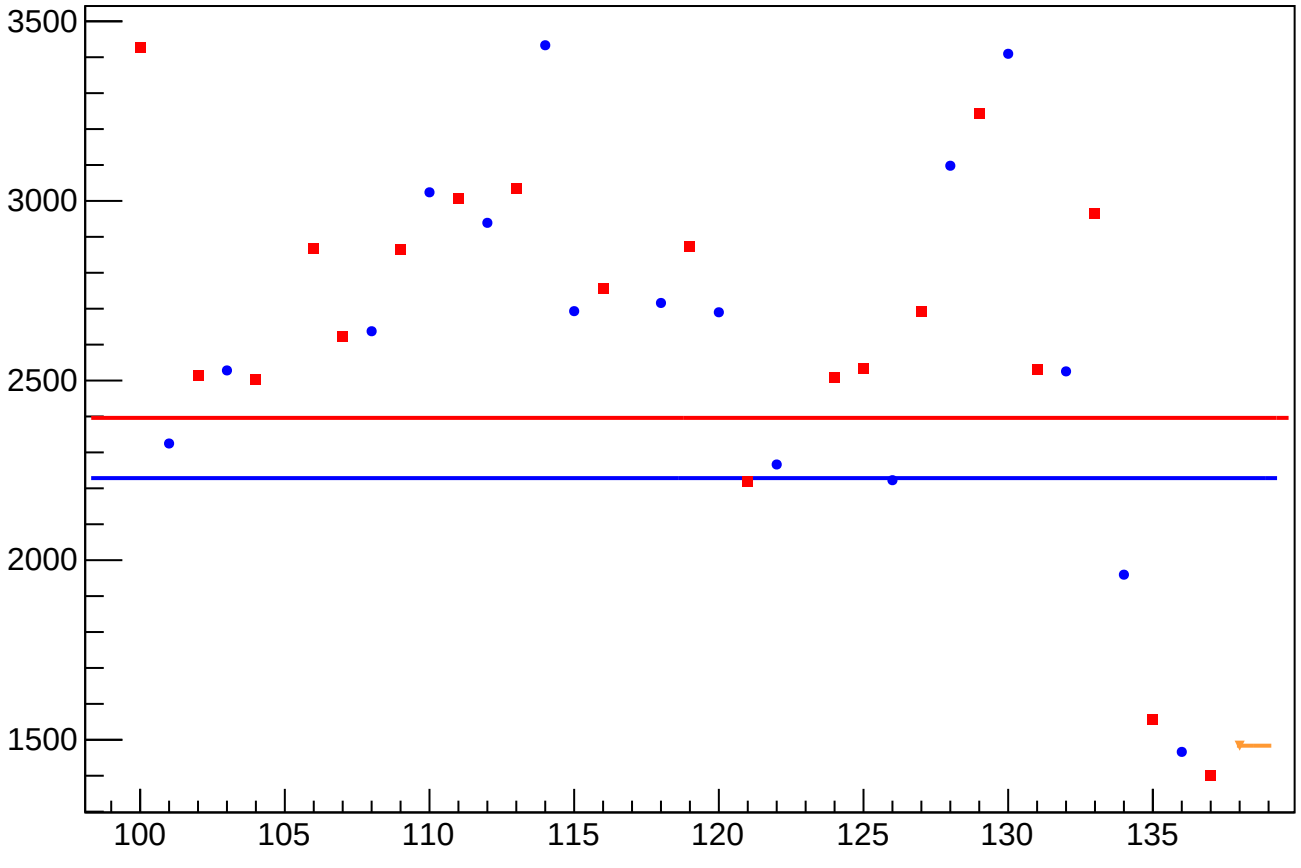
Left: 2408.765+/-1691.197 χ^2/NDF: 0.0/0

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -1910.348+/-859.088 χ^2/NDF:16.3/15

Out: 976.869+/-794.813 χ^2/NDF:15.5/19

All: -354.704+/-583.418 χ^2/NDF: 37.9/35



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1483.618+/-1.196 χ^2/NDF:0.0/0

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

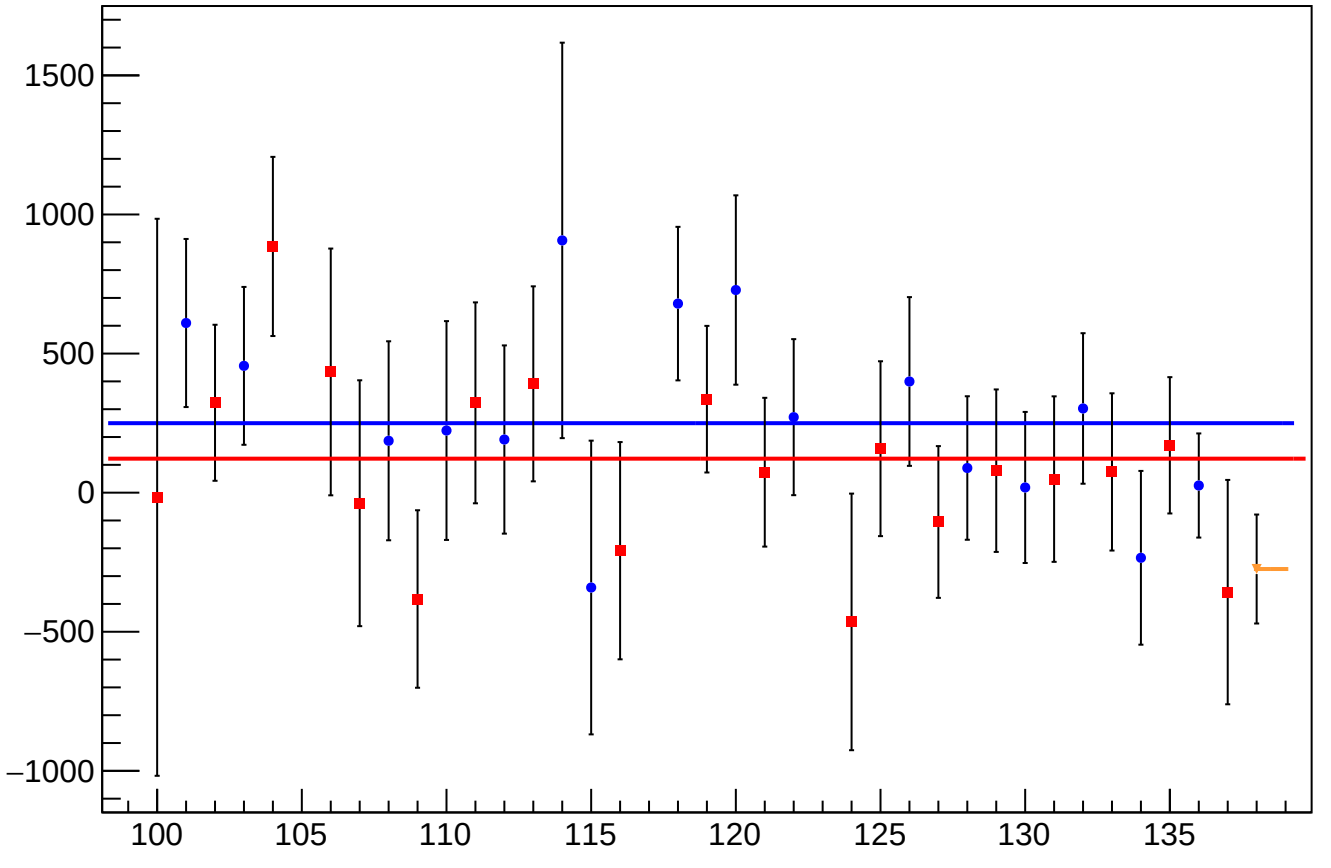
Left: 1483.618+/-1.196 χ^2/NDF: 0.0/0

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 2228.431+/-0.607 χ^2/NDF:947654.8/15

Out: 2194.542+/-0.562 χ^2/NDF:1253049.6/19

All: 2210.172+/-0.413 χ^2/NDF: 2202381.2/35



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -274.470+/-195.845 χ^2/NDF:0.0/0

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

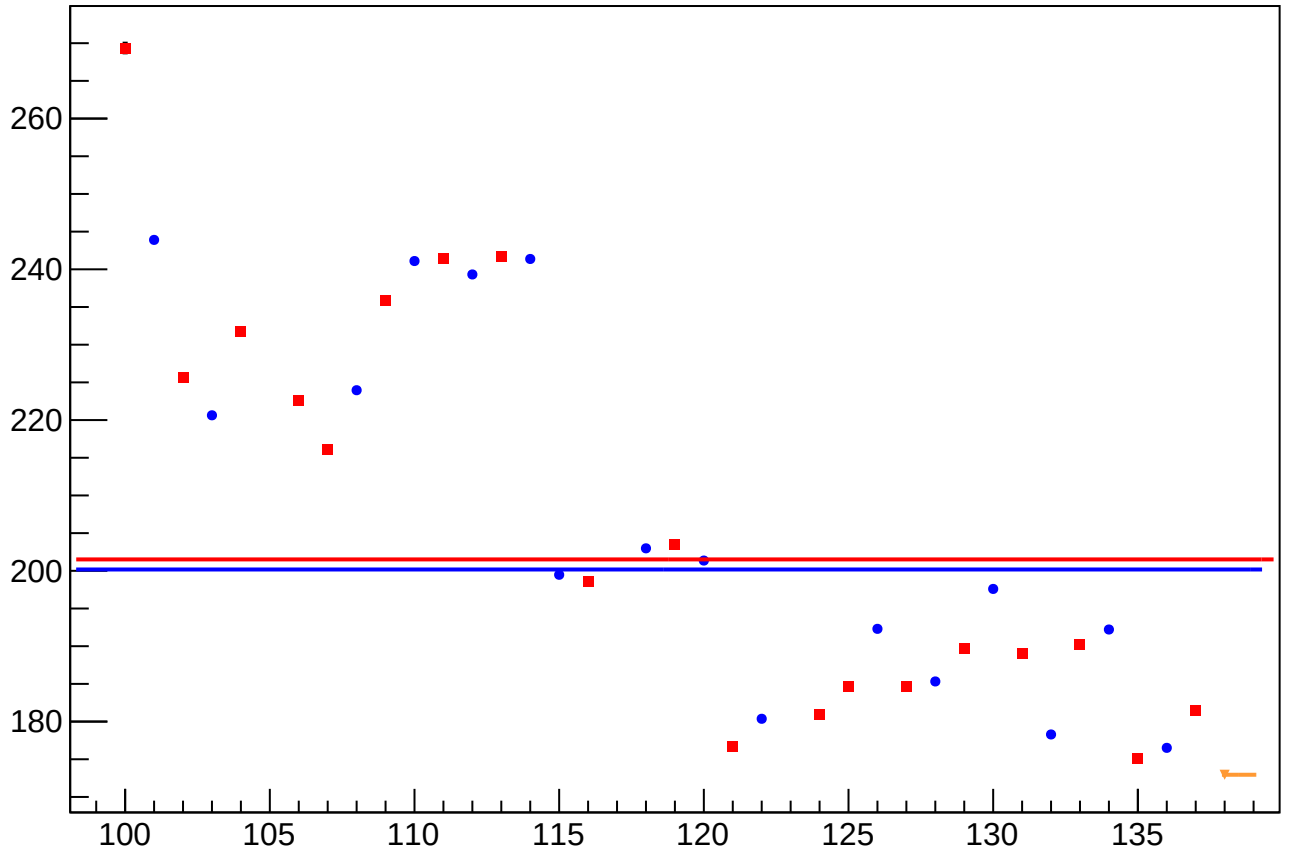
Left: -274.470+/-195.845 χ^2/NDF: 0.0/0

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 249.764+/-74.877 χ^2/NDF:13.8/15

Out: 72.205+/-69.534 χ^2/NDF:19.1/19

All: 154.424+/-50.952 χ^2/NDF: 35.8/35



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 172.945+/-0.138 χ^2/NDF:0.0/0

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

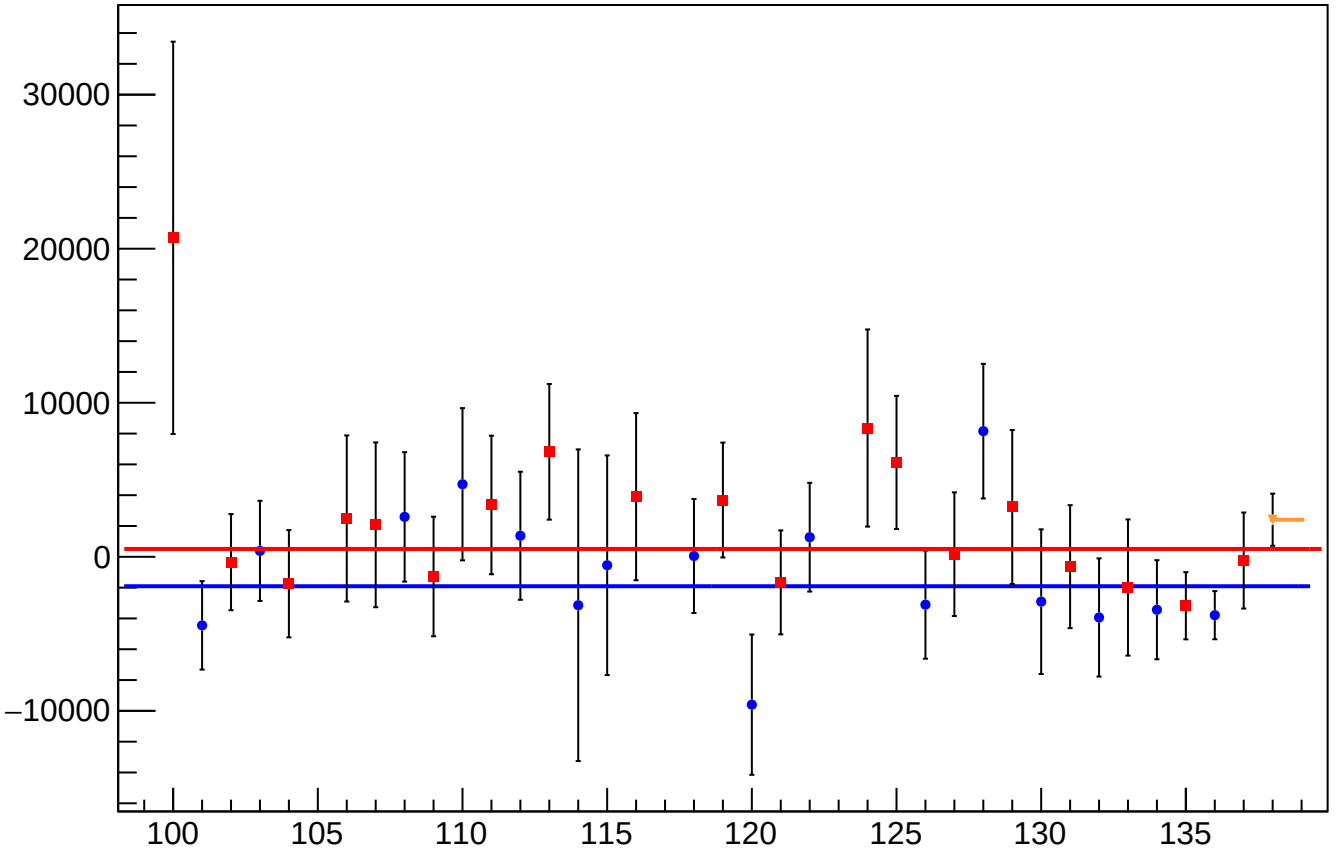
Left: 172.945+/-0.138 χ^2/NDF: 0.0/0

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.177+/-0.053 χ^2/NDF:181001.6/15

Out: 197.913+/-0.049 χ^2/NDF:232626.7/19

All: 198.961+/-0.036 χ^2/NDF: 414610.0/35



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: 2408.732+/-1691.199 χ^2/NDF:0.0/0

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

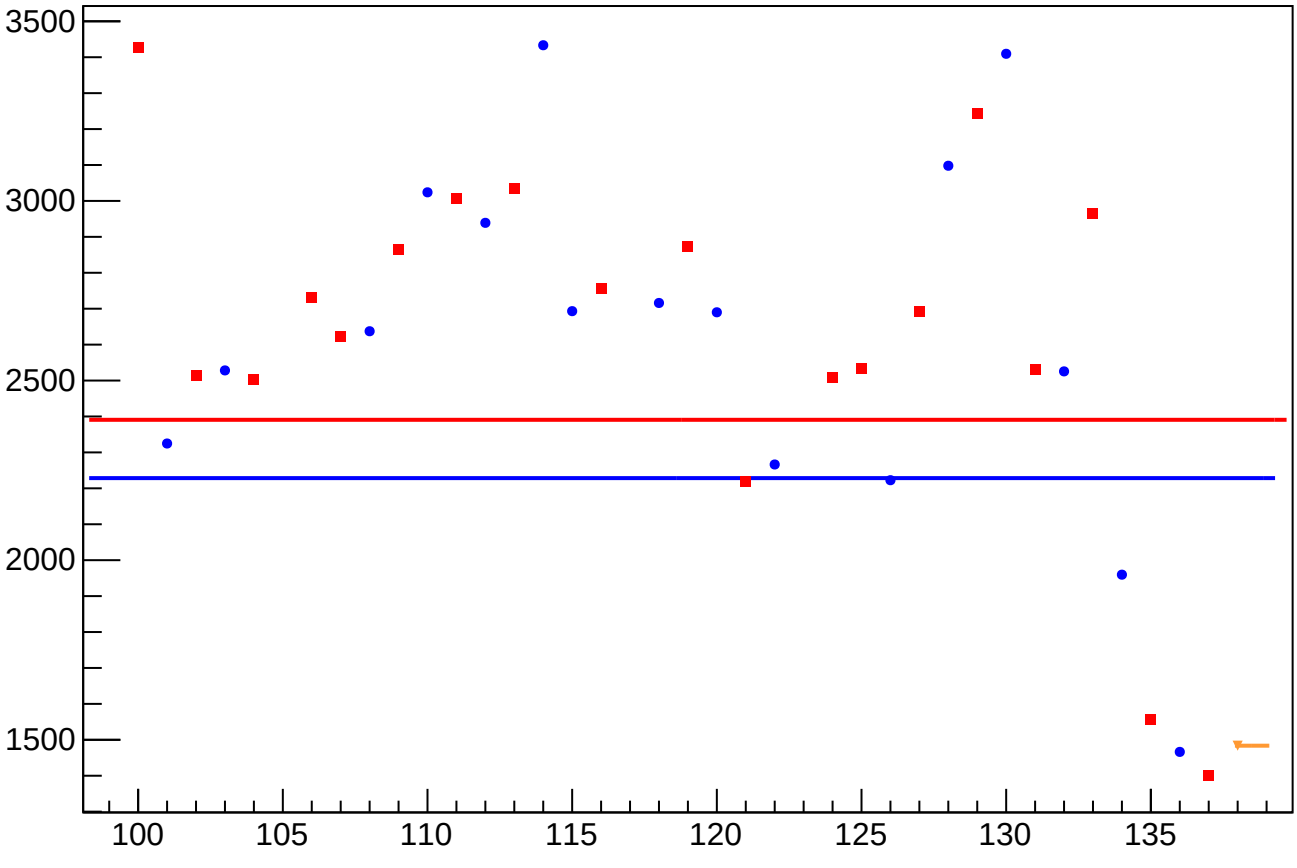
Left: 2408.732+/-1691.199 χ^2/NDF: 0.0/0

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1910.310+/-859.089 χ^2/NDF:16.3/15

Out: 931.504+/-795.887 χ^2/NDF:15.2/19

All: -381.034+/-583.843 χ^2/NDF: 37.4/35



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1483.620+/-1.196 χ^2/NDF:0.0/0

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

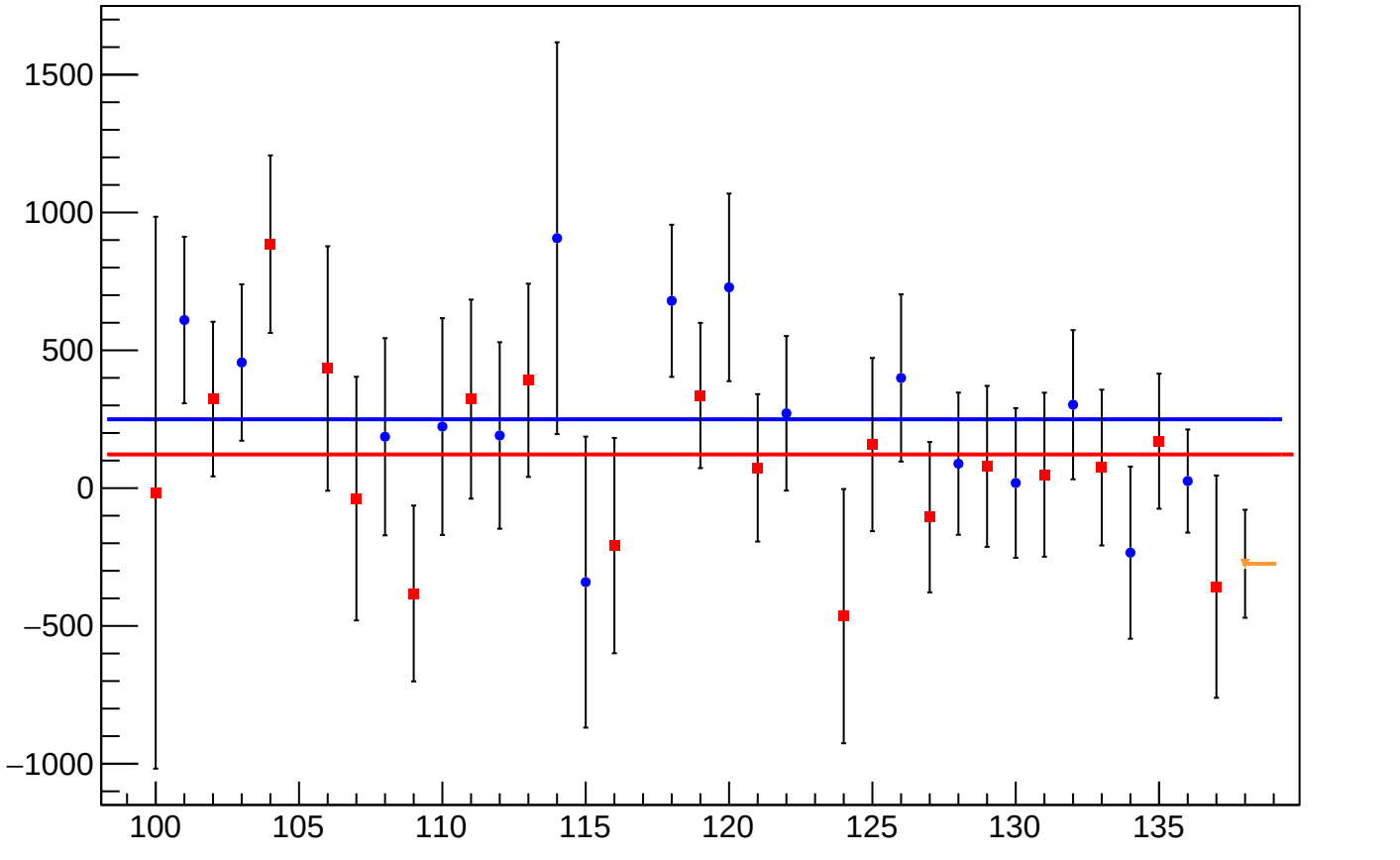
Left: 1483.620+/-1.196 χ^2/NDF: 0.0/0

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 2228.435+/-0.607 χ^2/NDF:947659.2/15

Out: 2189.834+/-0.563 χ^2/NDF:1237962.5/19

All: 2207.662+/-0.413 χ^2/NDF: 2187794.6/35



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -274.470+/-195.845 χ^2/NDF:0.0/0

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

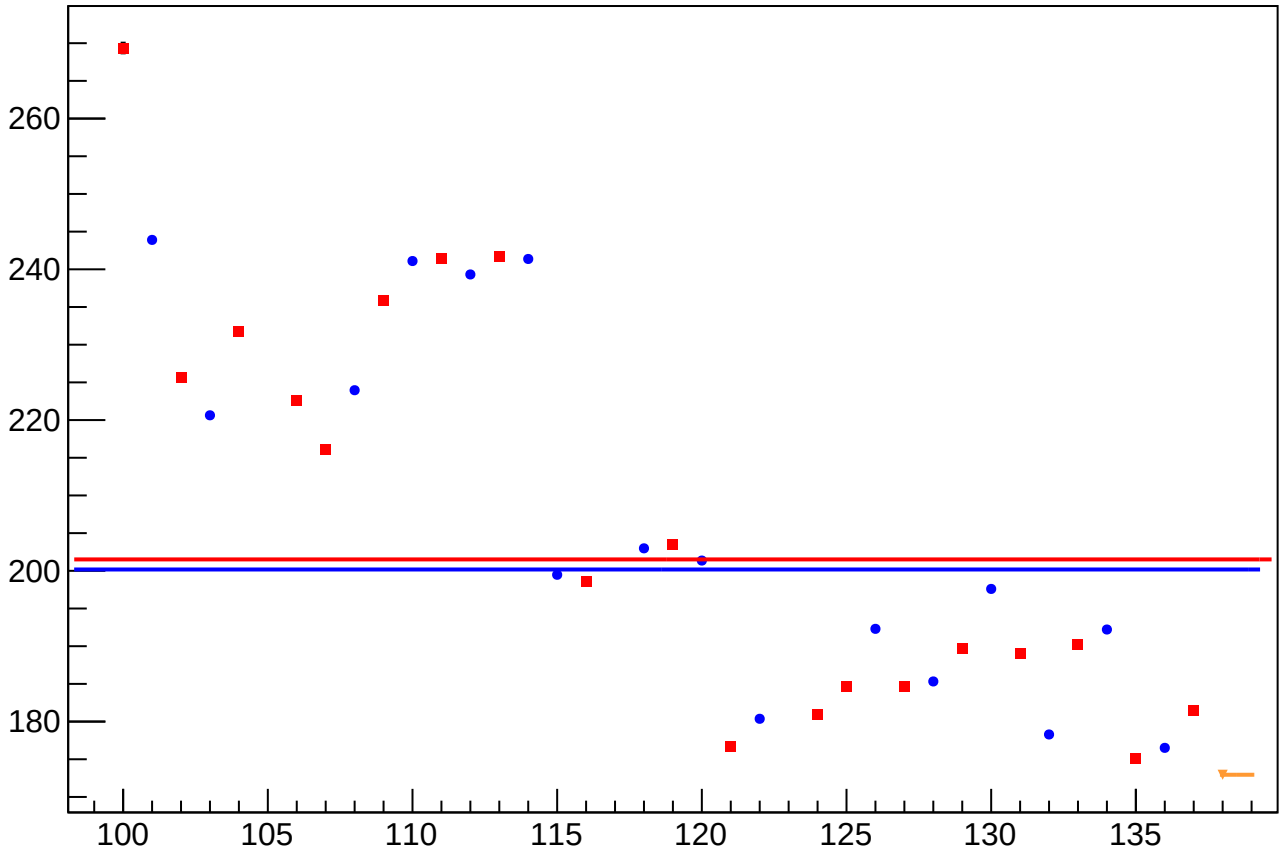
Left: -274.470+/-195.845 χ^2/NDF: 0.0/0

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 249.764+/-74.877 χ^2/NDF:13.8/15

Out: 72.205+/-69.534 χ^2/NDF:19.1/19

All: 154.424+/-50.952 χ^2/NDF: 35.8/35



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 172.945+/-0.138 χ^2/NDF:0.0/0

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

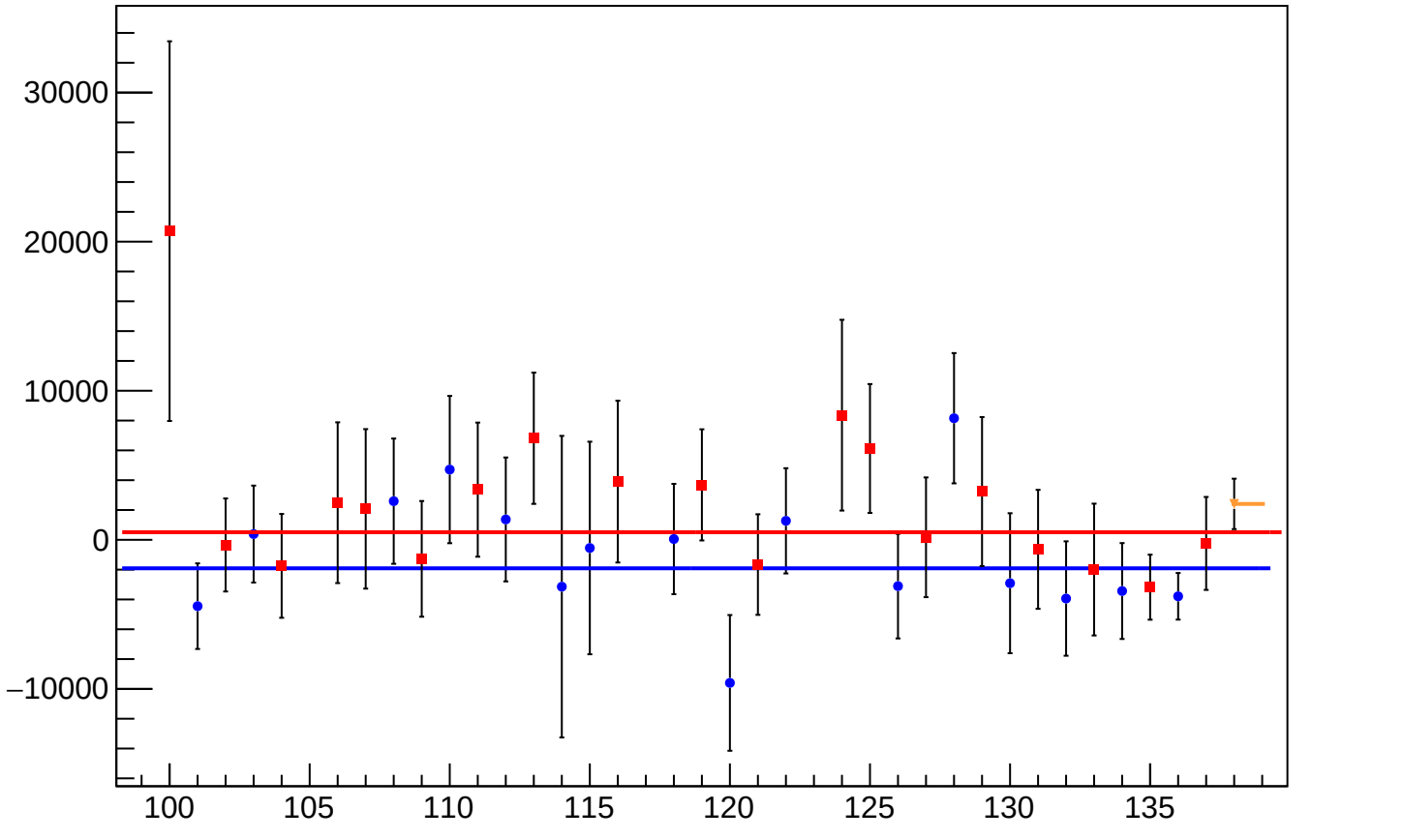
Left: 172.945+/-0.138 χ^2/NDF: 0.0/0

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.177+/-0.053 χ^2/NDF:181001.6/15

Out: 197.913+/-0.049 χ^2/NDF:232626.7/19

All: 198.961+/-0.036 χ^2/NDF: 414610.0/35



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: 2408.732+/-1691.199 χ^2/NDF:0.0/0

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

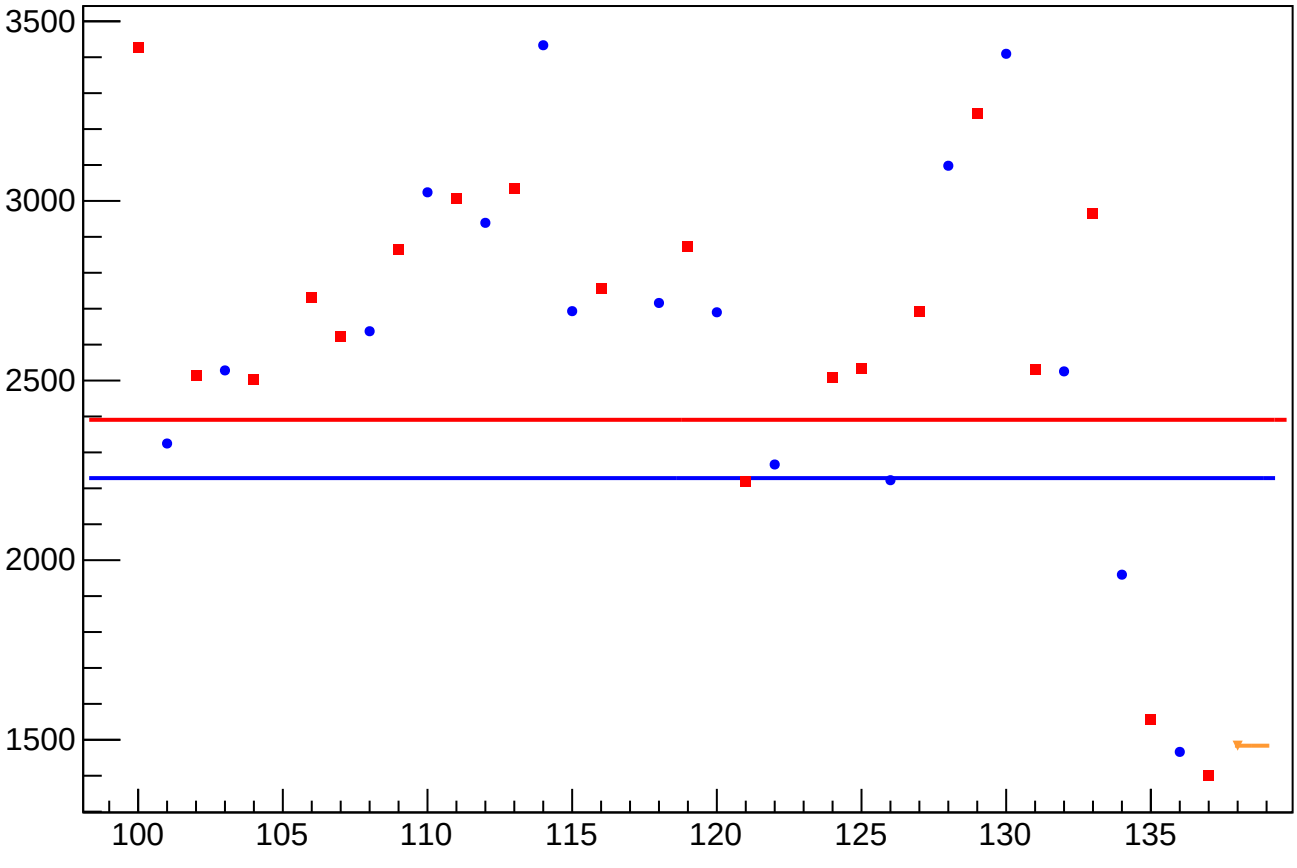
Left: 2408.732+/-1691.199 χ^2/NDF: 0.0/0

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1910.310+/-859.089 χ^2/NDF:16.3/15

Out: 931.504+/-795.887 χ^2/NDF:15.2/19

All: -381.034+/-583.843 χ^2/NDF: 37.4/35



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1483.620+/-1.196 χ^2/NDF:0.0/0

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

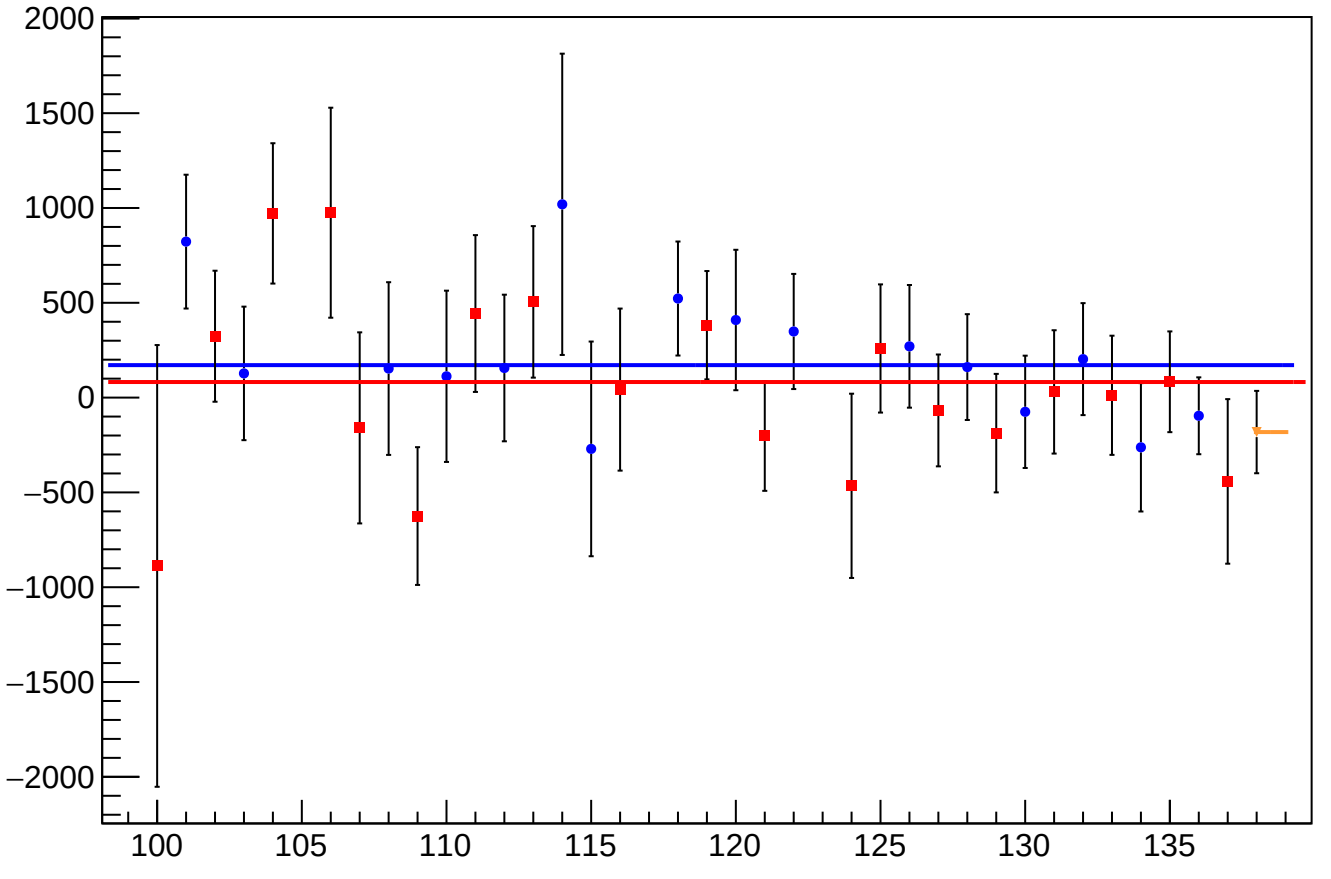
Left: 1483.620+/-1.196 χ^2/NDF: 0.0/0

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 2228.435+/-0.607 χ^2/NDF:947659.2/15

Out: 2189.834+/-0.563 χ^2/NDF:1237962.5/19

All: 2207.662+/-0.413 χ^2/NDF: 2187794.6/35



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -181.759+/-217.207 χ^2/NDF:0.0/0

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

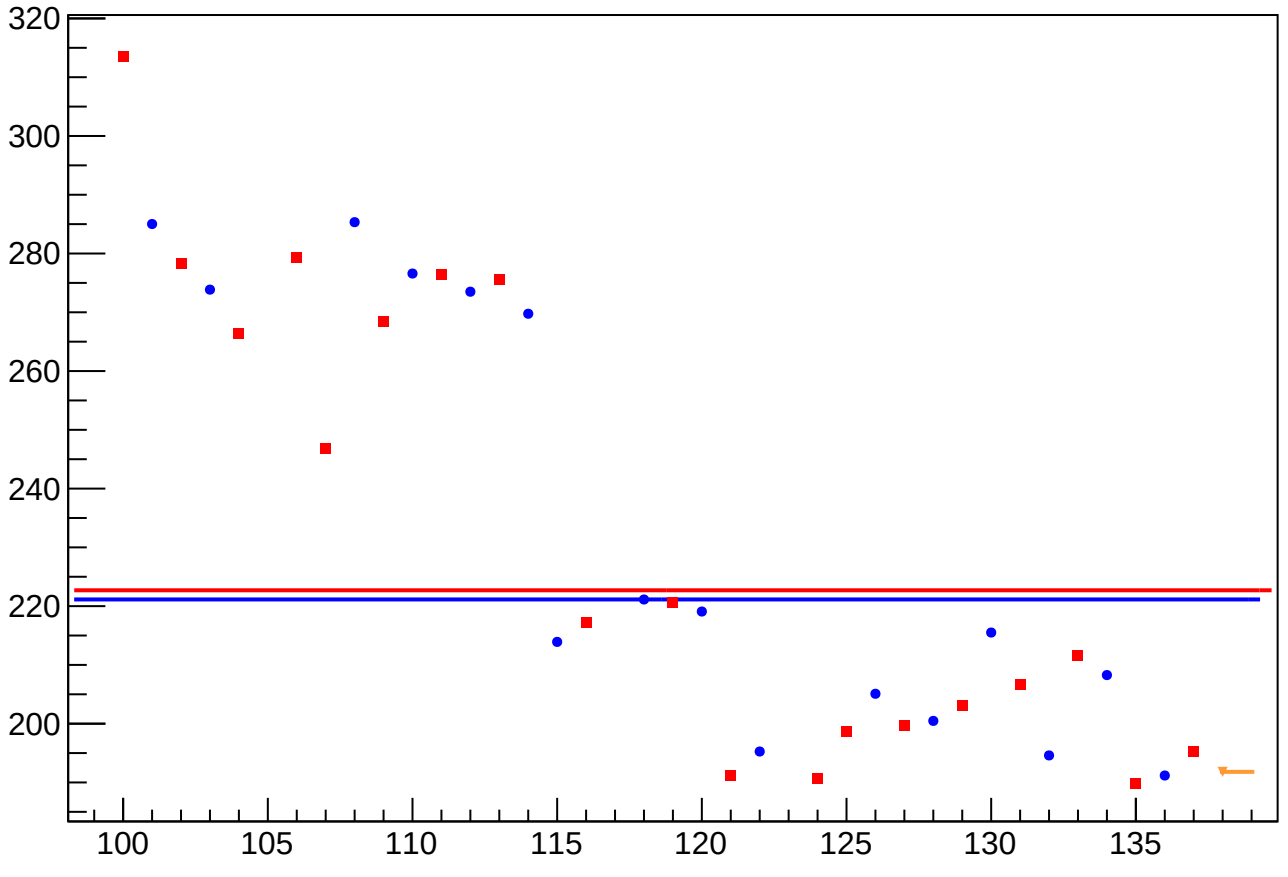
Left: -181.759+/-217.207 χ^2/NDF: 0.0/0

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 171.258+/-83.116 χ^2/NDF:11.5/15

Out: 48.848+/-77.161 χ^2/NDF:22.9/19

All: 105.511+/-56.549 χ^2/NDF: 35.6/35



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 191.802+/-0.154 χ^2/NDF:0.0/0

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

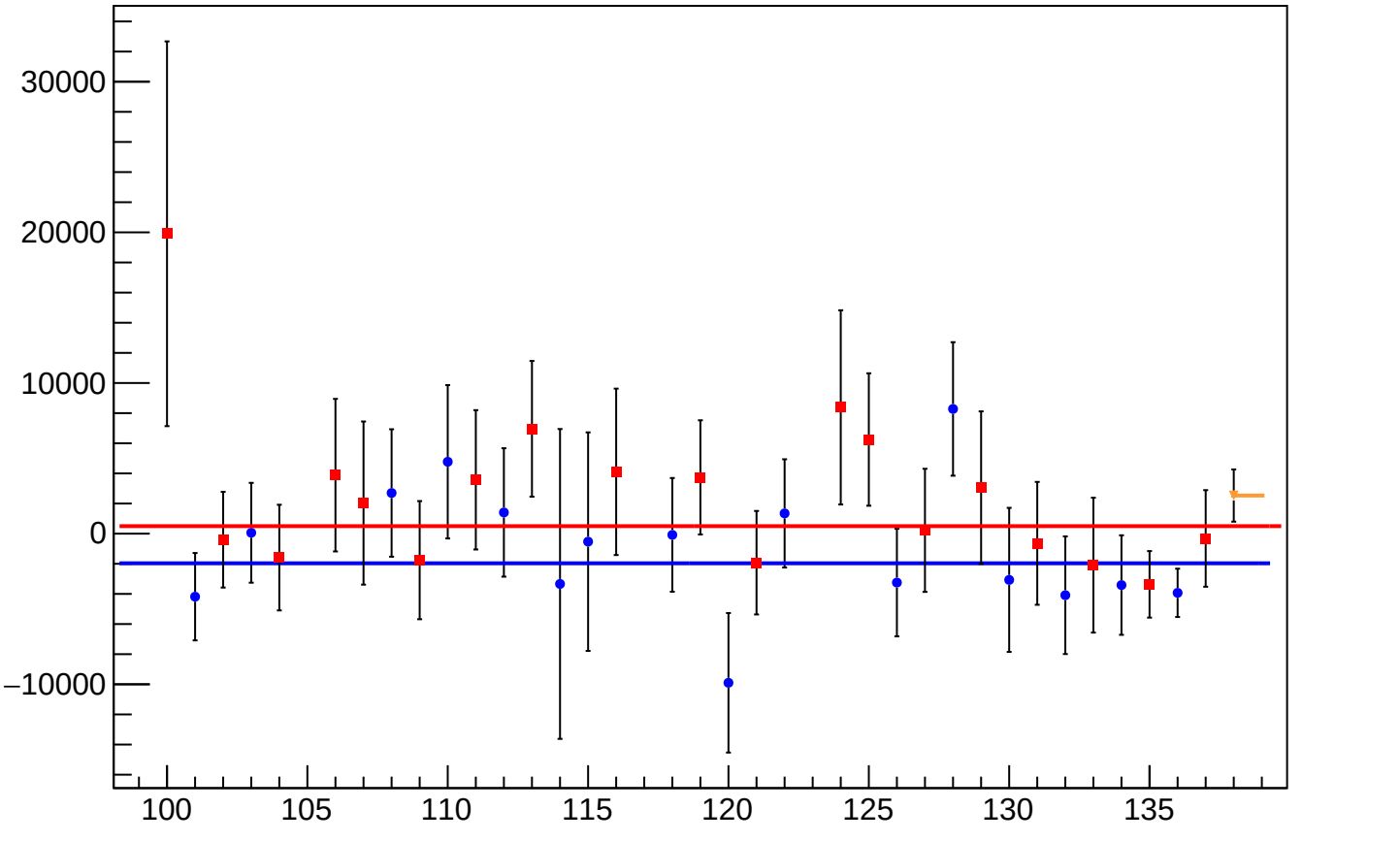
Left: 191.802+/-0.154 χ^2/NDF: 0.0/0

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 221.139+/-0.059 χ^2/NDF:318702.0/15

Out: 218.799+/-0.055 χ^2/NDF:362388.7/19

All: 219.882+/-0.040 χ^2/NDF: 681942.6/35



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: 2529.837+/-1733.723 χ^2/NDF:0.0/0

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

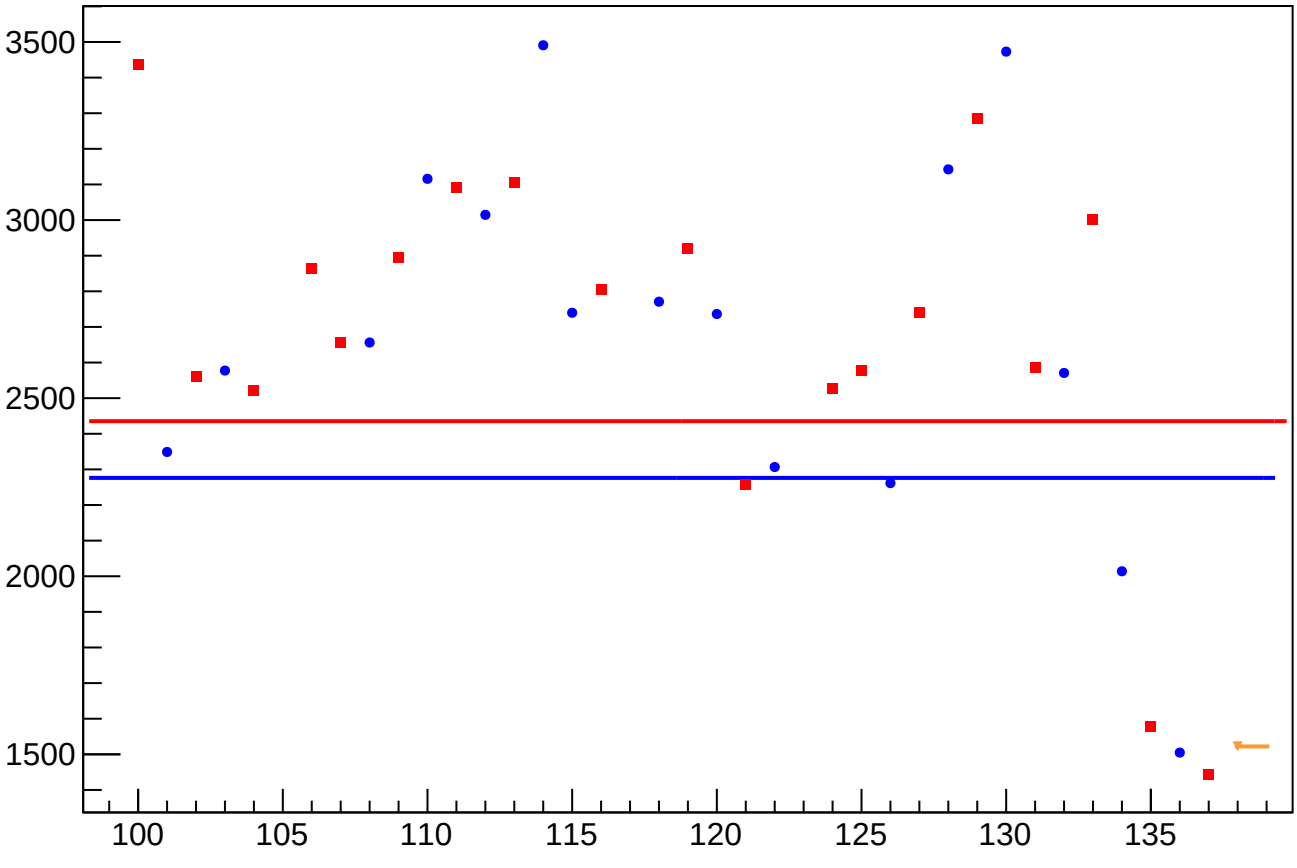
Left: 2529.837+/-1733.723 χ^2/NDF: 0.0/0

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -1967.414+/-876.610 χ^2/NDF:16.2/15

Out: 939.903+/-809.049 χ^2/NDF:15.8/19

All: -397.418+/-594.536 χ^2/NDF: 37.9/35



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1522.205+/-1.226 χ^2/NDF:0.0/0

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

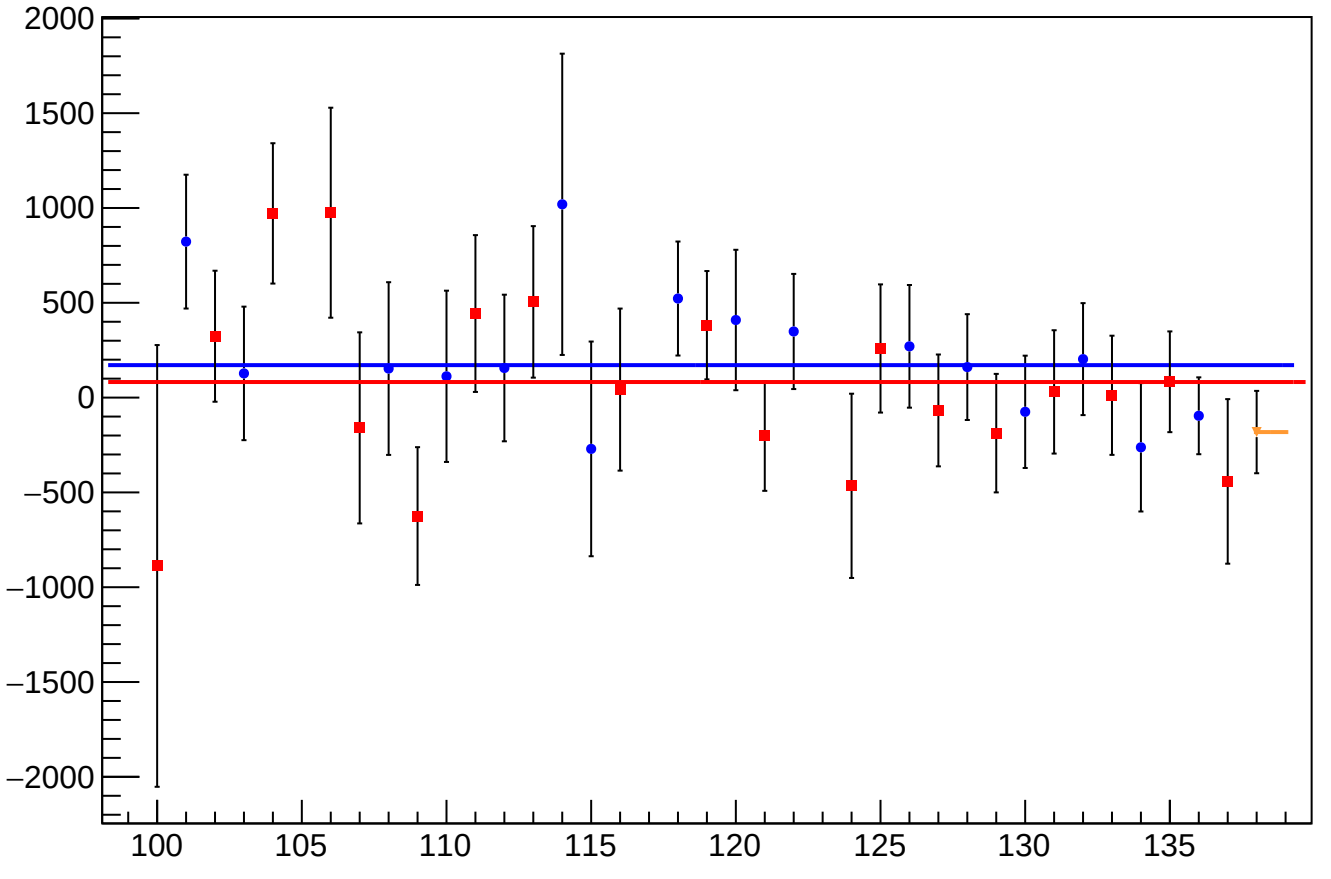
Left: 1522.205+/-1.226 χ^2/NDF: 0.0/0

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 2276.134+/-0.620 χ^2/NDF:926982.8/15

Out: 2236.501+/-0.572 χ^2/NDF:1225516.3/19

All: 2254.732+/-0.420 χ^2/NDF: 2154706.8/35



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -181.770+/-217.207 χ^2/NDF:0.0/0

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

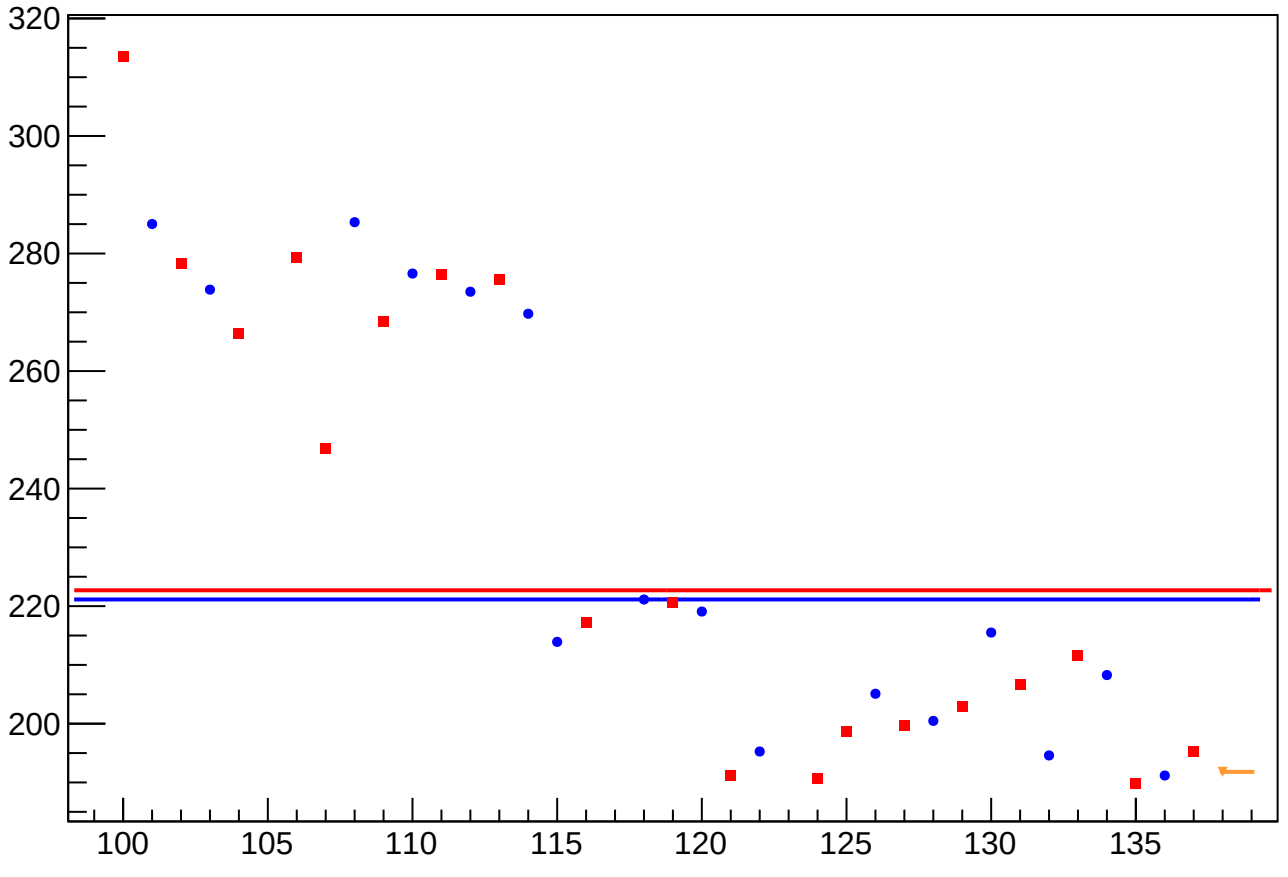
Left: -181.770+/-217.207 χ^2/NDF: 0.0/0

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 171.260+/-83.115 χ^2/NDF:11.5/15

Out: 48.844+/-77.161 χ^2/NDF:22.9/19

All: 105.511+/-56.549 χ^2/NDF: 35.6/35



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 191.802+/-0.154 χ^2/NDF:0.0/0

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

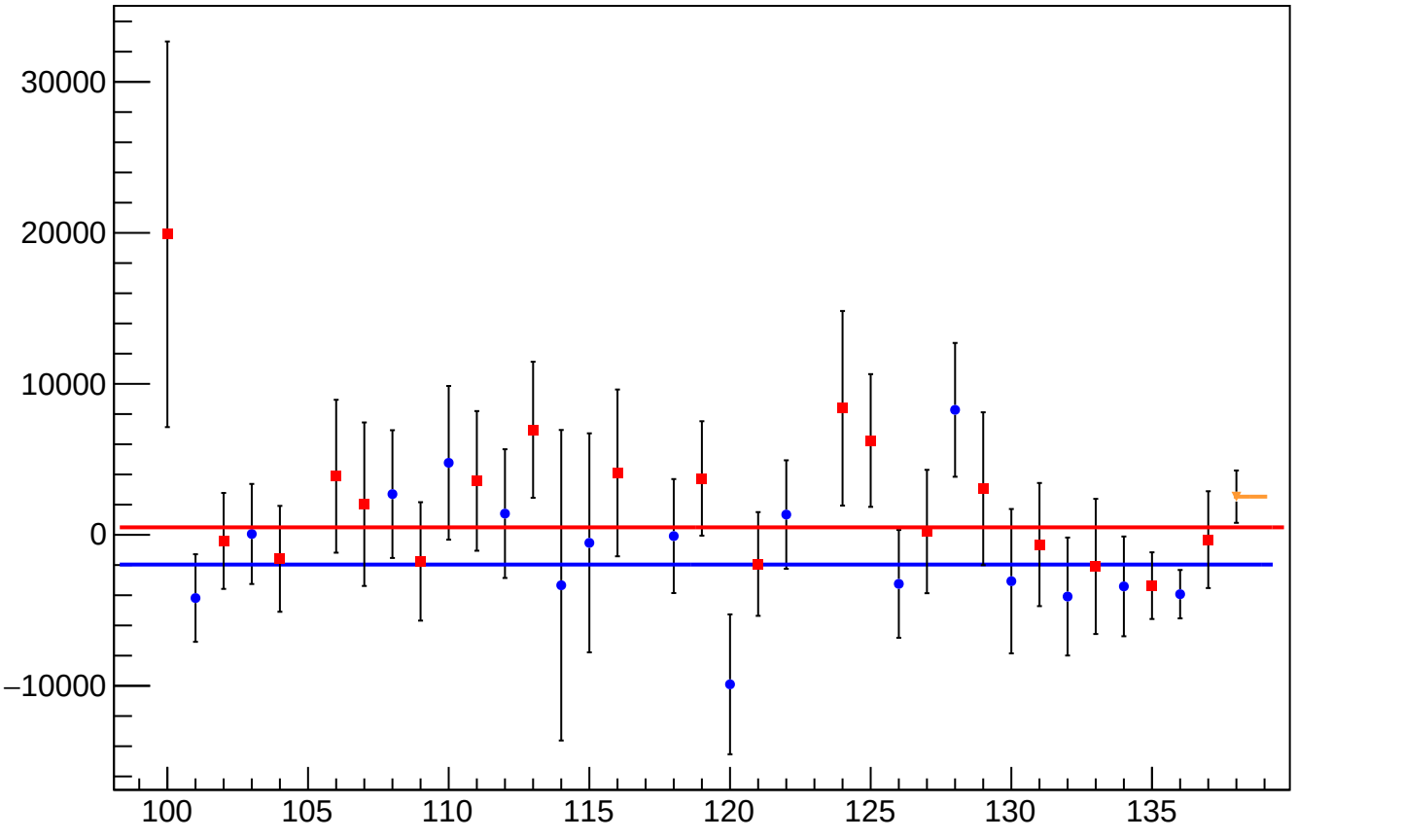
Left: 191.802+/-0.154 χ^2/NDF: 0.0/0

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 221.138+/-0.059 χ^2/NDF:318696.9/15

Out: 218.798+/-0.055 χ^2/NDF:362380.7/19

All: 219.881+/-0.040 χ^2/NDF: 681929.2/35



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: 2529.825+/-1733.720 χ^2/NDF:0.0/0

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

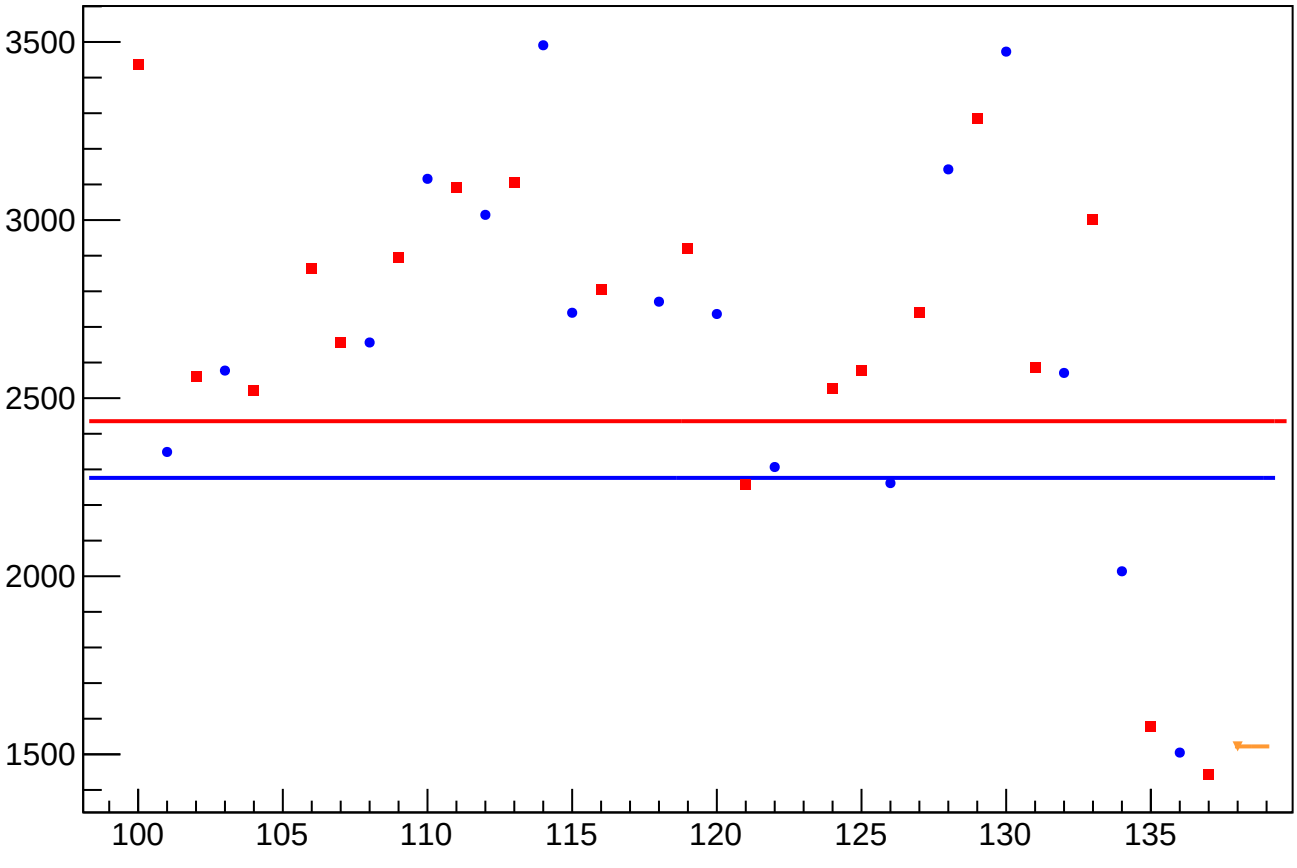
Left: 2529.825+/-1733.720 χ^2/NDF: 0.0/0

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -1967.409+/-876.608 χ^2/NDF:16.2/15

Out: 939.901+/-809.048 χ^2/NDF:15.8/19

All: -397.417+/-594.535 χ^2/NDF: 37.9/35



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1522.202+/-1.226 χ^2/NDF:0.0/0

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

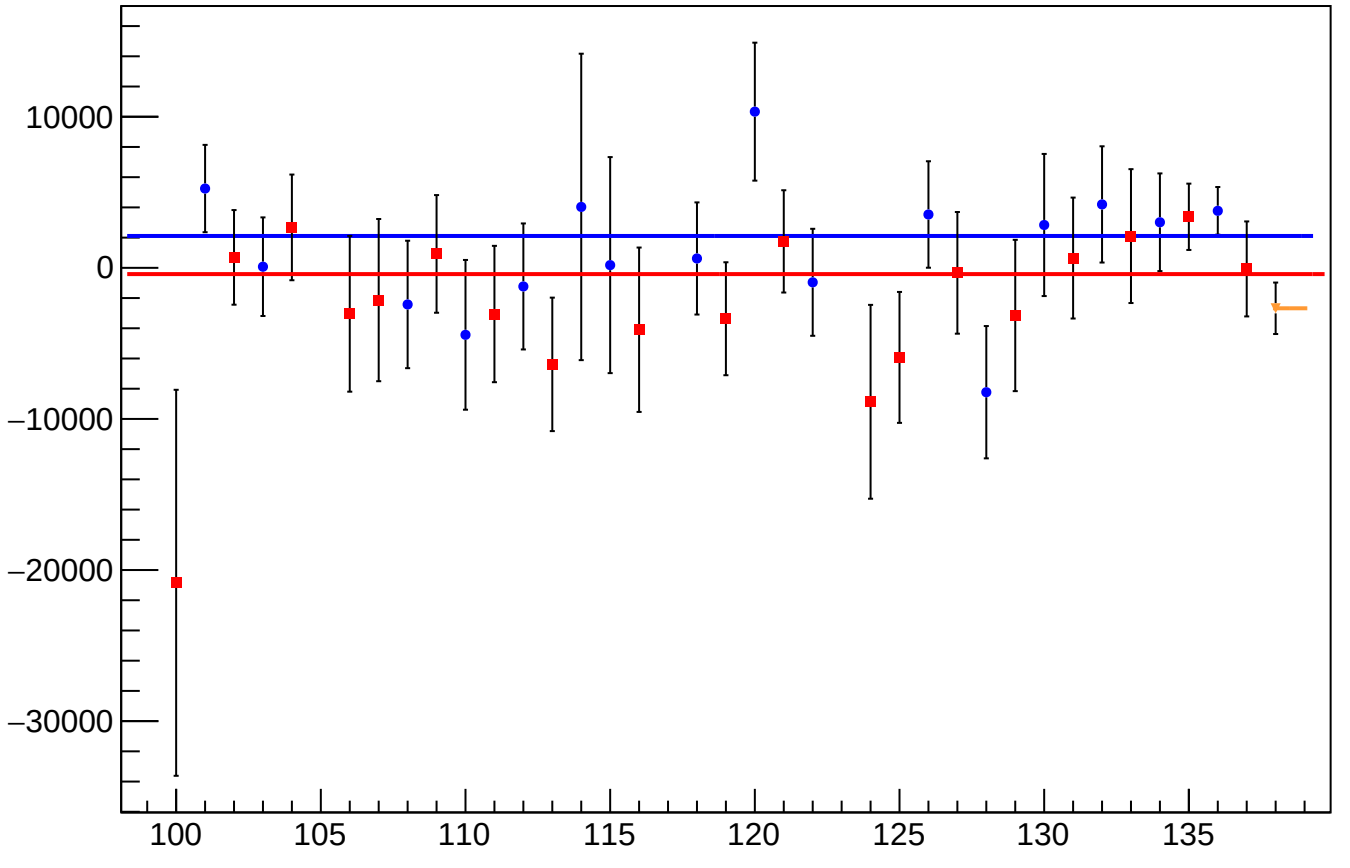
Left: 1522.202+/-1.226 χ^2/NDF: 0.0/0

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 2276.132+/-0.620 χ^2/NDF:926973.2/15

Out: 2236.498+/-0.572 χ^2/NDF:1225511.0/19

All: 2254.729+/-0.420 χ^2/NDF: 2154692.0/35



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: -2677.327+/-1703.116 χ^2/NDF:0.0/0

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -2677.327+/-1703.116 χ^2/NDF: 0.0/0

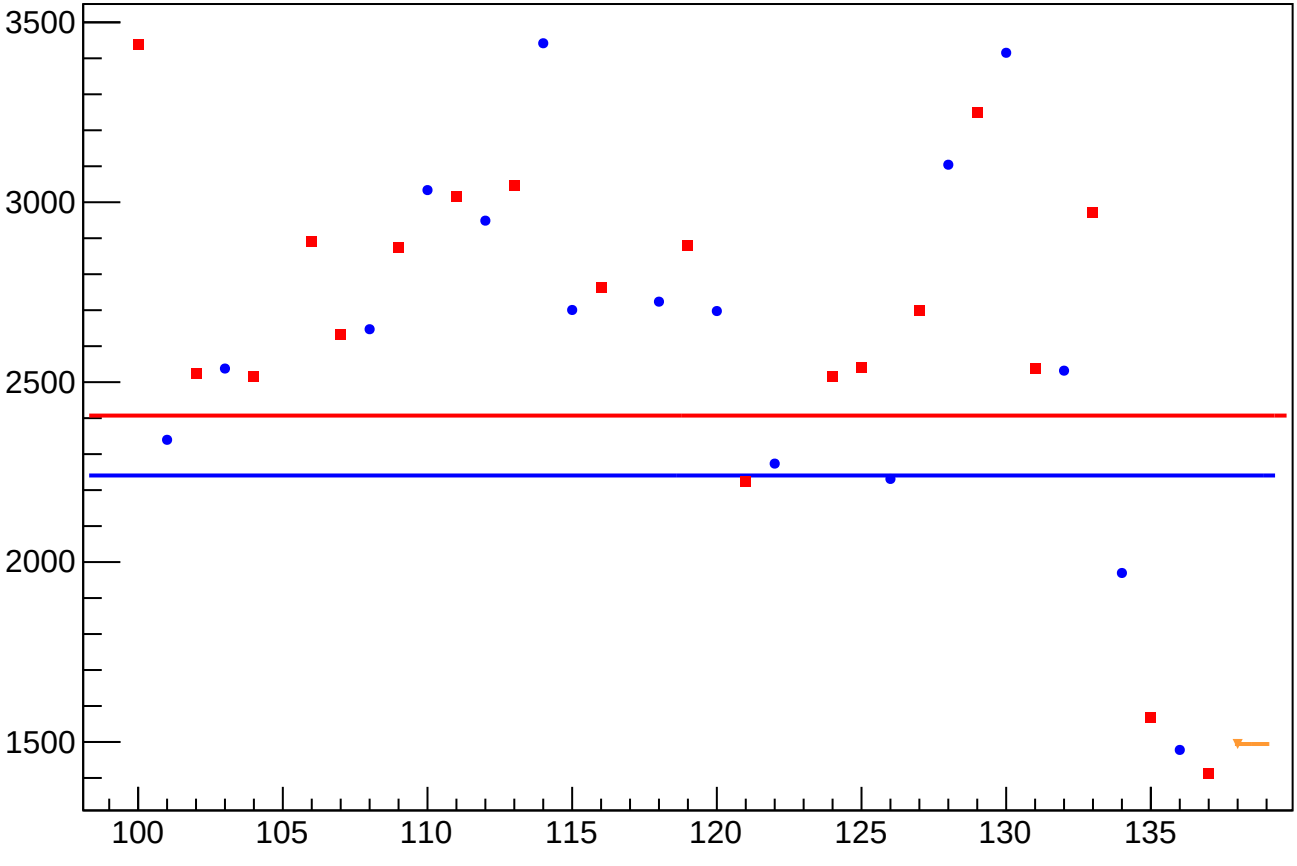
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 2109.537+/-863.291 χ^2/NDF:16.6/15

Out: -911.932+/-798.773 χ^2/NDF:16.0/19

All: 481.692+/-586.301 χ^2/NDF: 39.3/35

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1494.360+/-1.204 χ^2/NDF:0.0/0

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

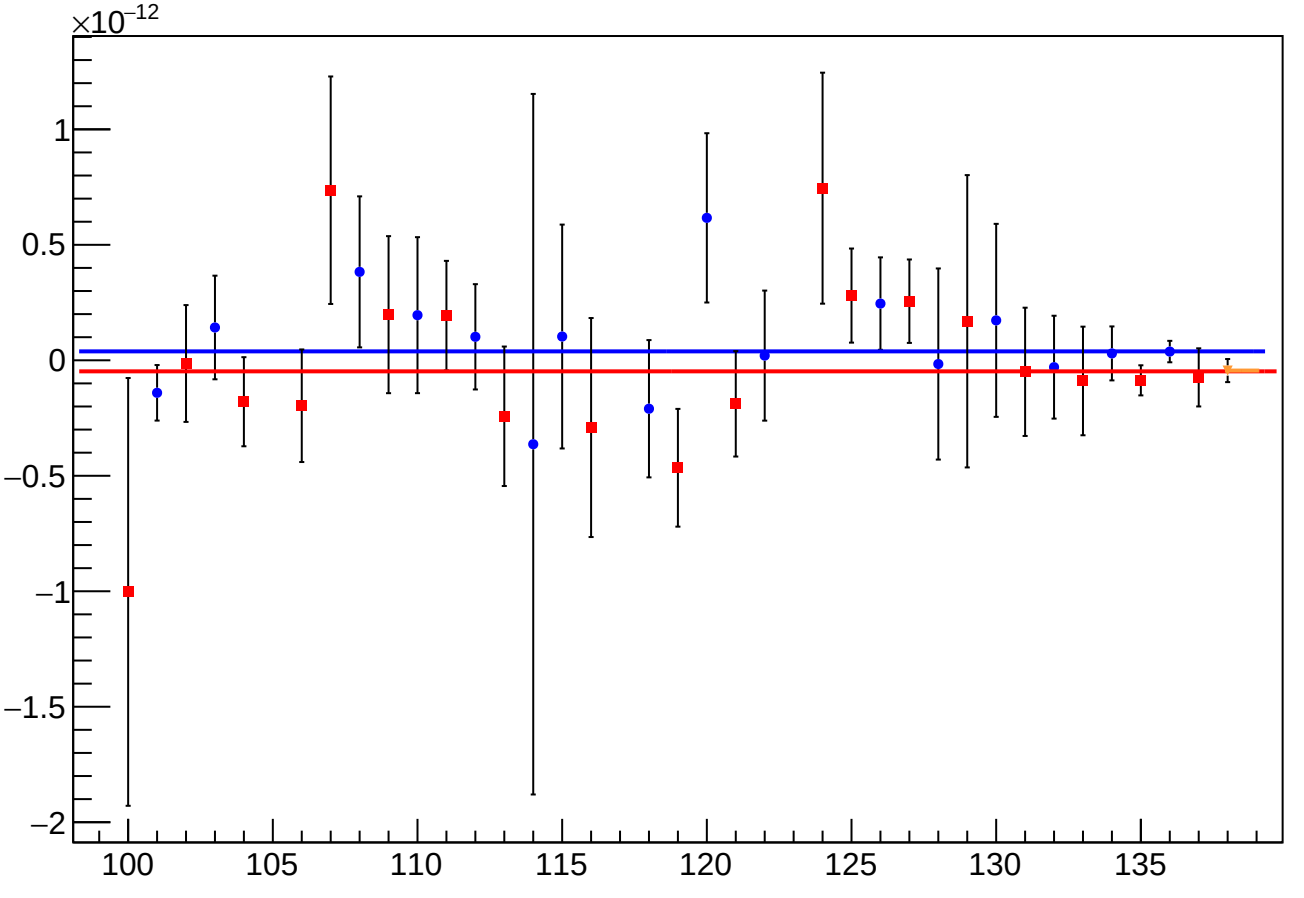
Left: 1494.360+/-1.204 χ^2/NDF: 0.0/0

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 2240.626+/-0.610 χ^2/NDF:933590.8/15

Out: 2206.346+/-0.565 χ^2/NDF:1237072.4/19

All: 2222.157+/-0.415 χ^2/NDF: 2172362.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

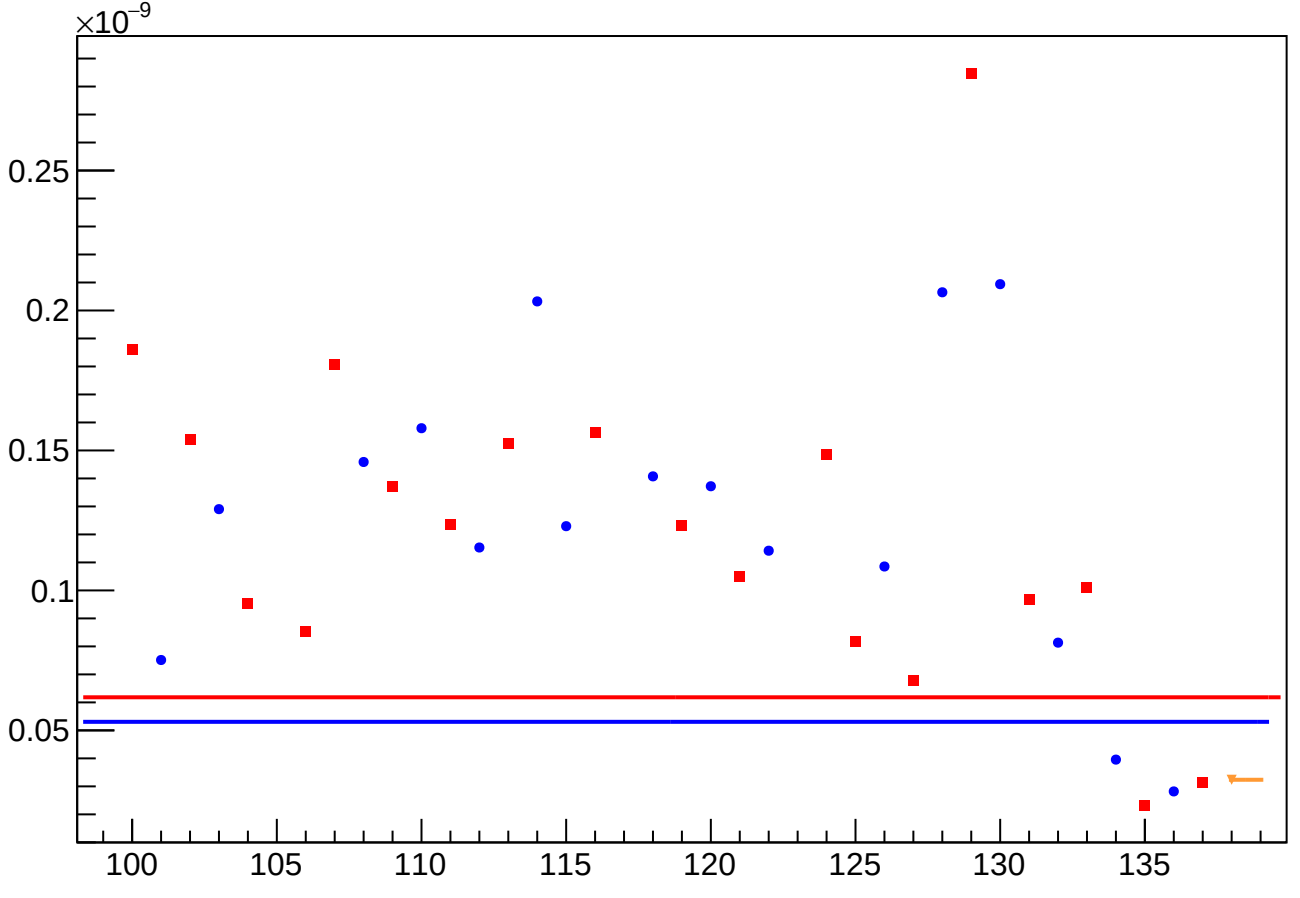
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:8.4/15

Out: -0.000+/-0.000 χ^2/NDF:18.2/19

All: -0.000+/-0.000 χ^2/NDF: 29.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

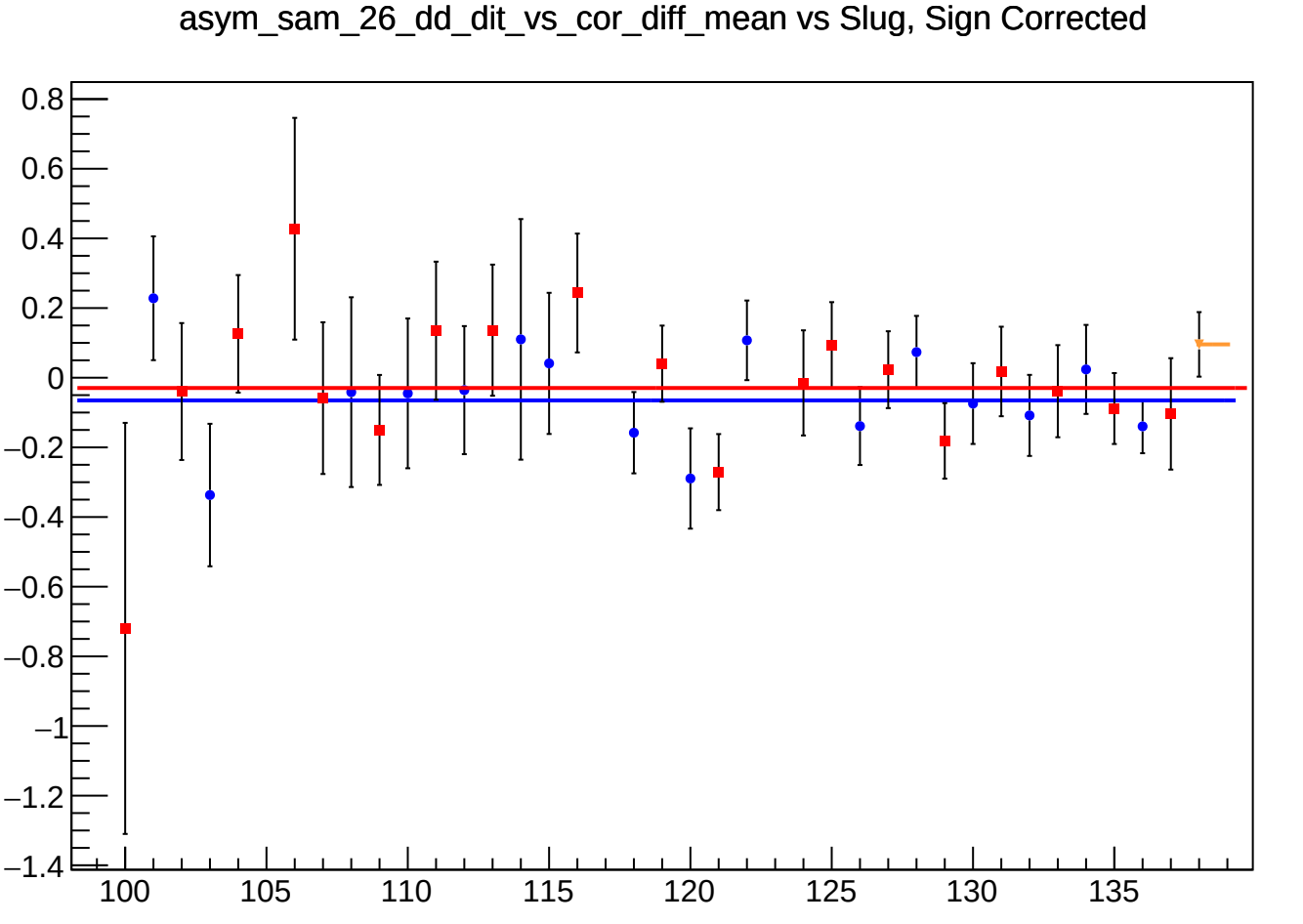
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:2576481.9/15

Out: 0.000+/-0.000 χ^2/NDF:2812930.9/19

All: 0.000+/-0.000 χ^2/NDF: 5402007.9/35



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.096+/-0.093 χ^2/NDF:0.0/0

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.096+/-0.093 χ^2/NDF: 0.0/0

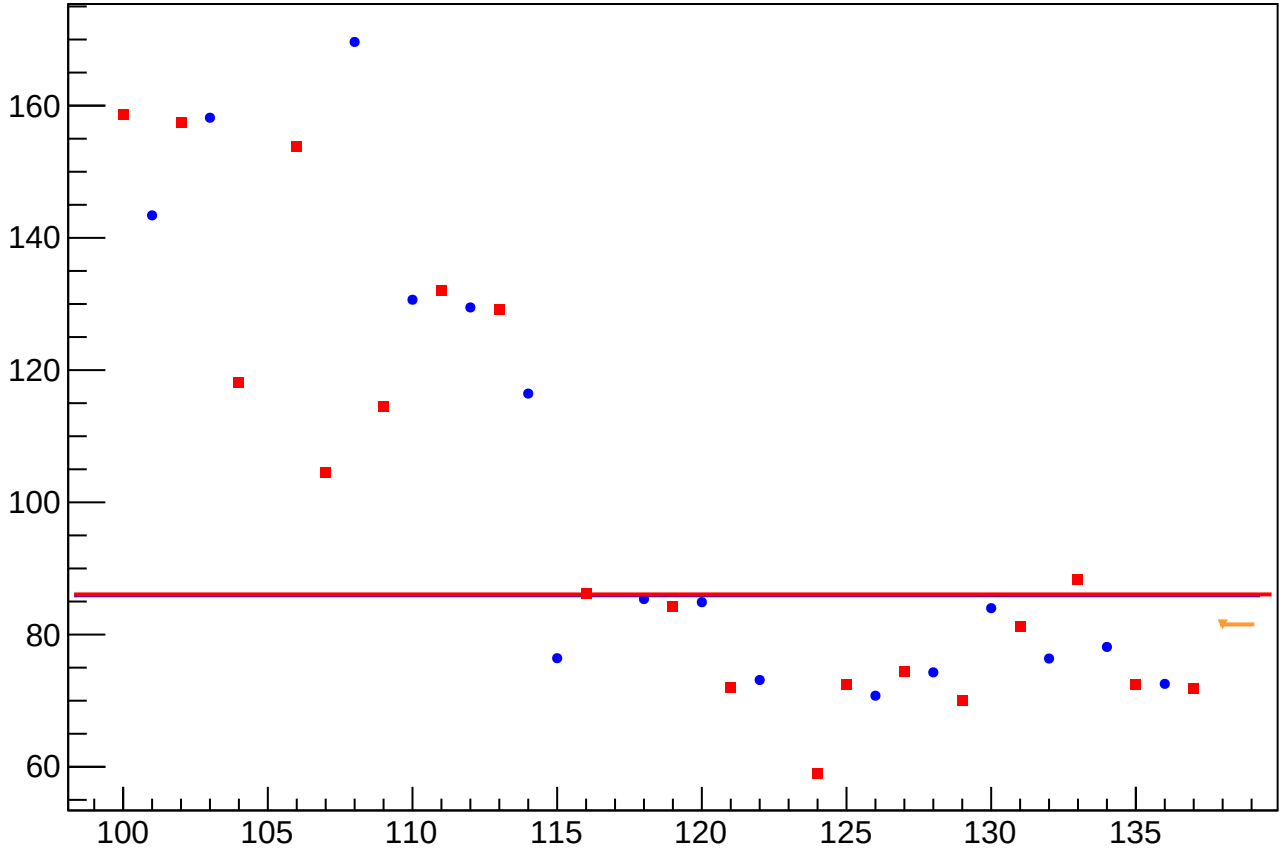
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.065+/-0.033 χ^2/NDF:14.2/15

Out: -0.015+/-0.031 χ^2/NDF:19.7/19

All: -0.039+/-0.023 χ^2/NDF: 35.1/35

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.536+/-0.066 χ^2/NDF:0.0/0

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

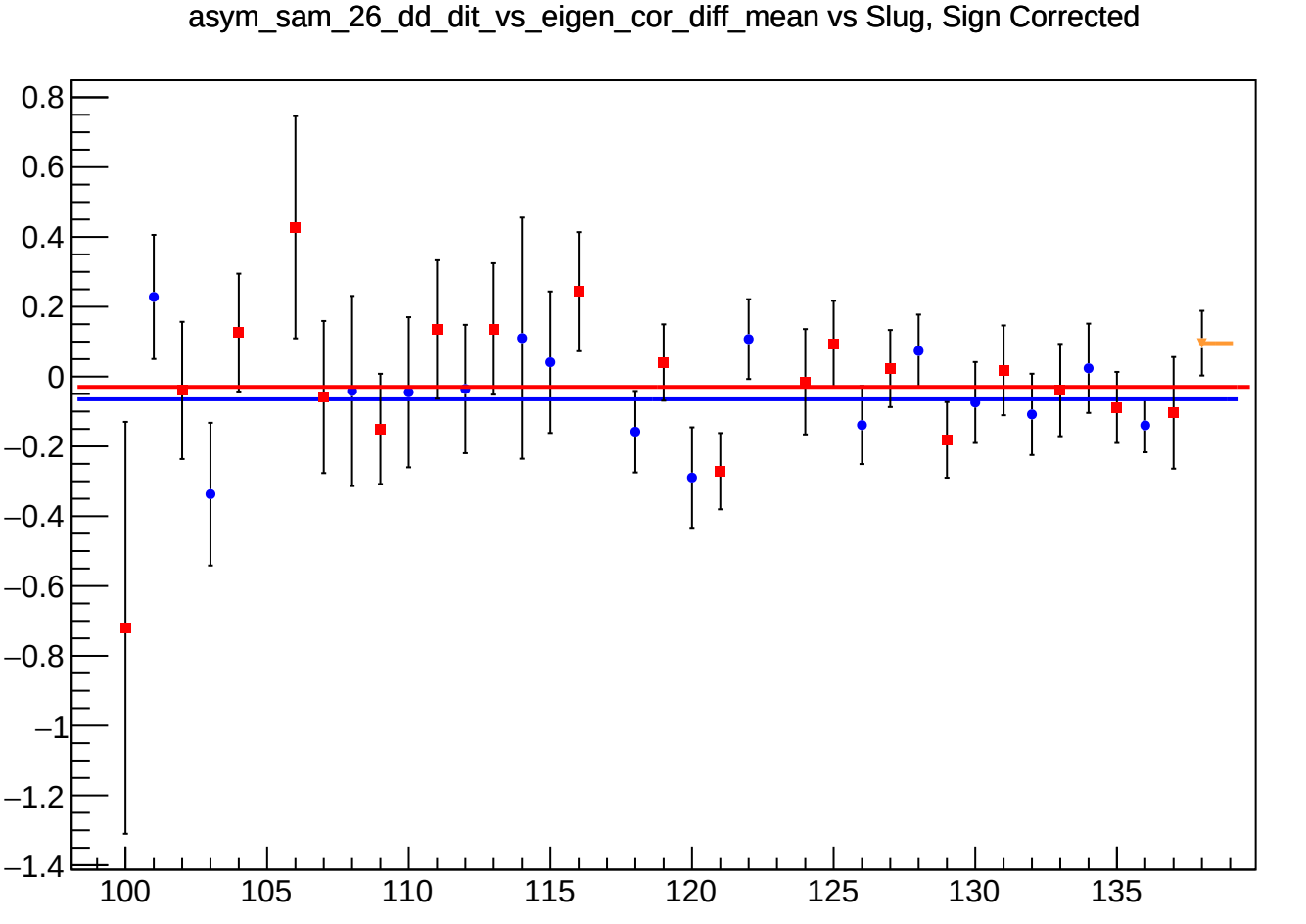
Left: 81.536+/-0.066 χ^2/NDF: 0.0/0

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

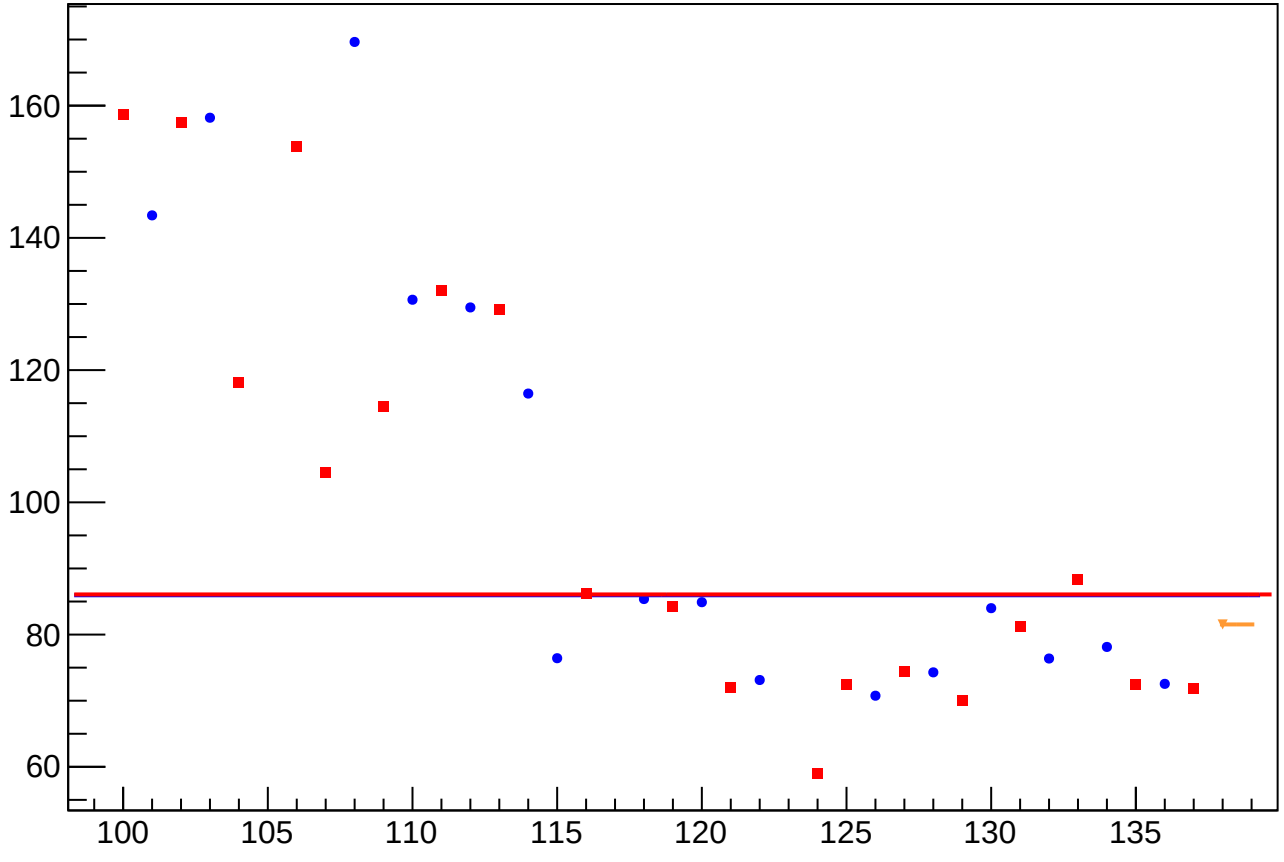
In: 85.946+/-0.024 χ^2/NDF:1035004.5/15

Out: 85.563+/-0.022 χ^2/NDF:995627.0/19

All: 85.741+/-0.016 χ^2/NDF: 2030772.5/35


asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
105
110
115
120
125
130
135
Right In: -0.065+/-0.033 χ²/NDF: 14.2/15
Left Out: 0.096+/-0.093 χ²/NDF:0.0/0
Right Out: -0.030+/-0.033 χ²/NDF: 18.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.096+/-0.093 χ²/NDF: 0.0/0
Right: -0.047+/-0.023 χ²/NDF: 32.8/34
In: -0.065+/-0.033 χ²/NDF:14.2/15
Out: -0.015+/-0.031 χ²/NDF:19.7/19
All: -0.039+/-0.023 χ²/NDF: 35.1/35

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: 81.536+/-0.066 χ^2/NDF:0.0/0

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

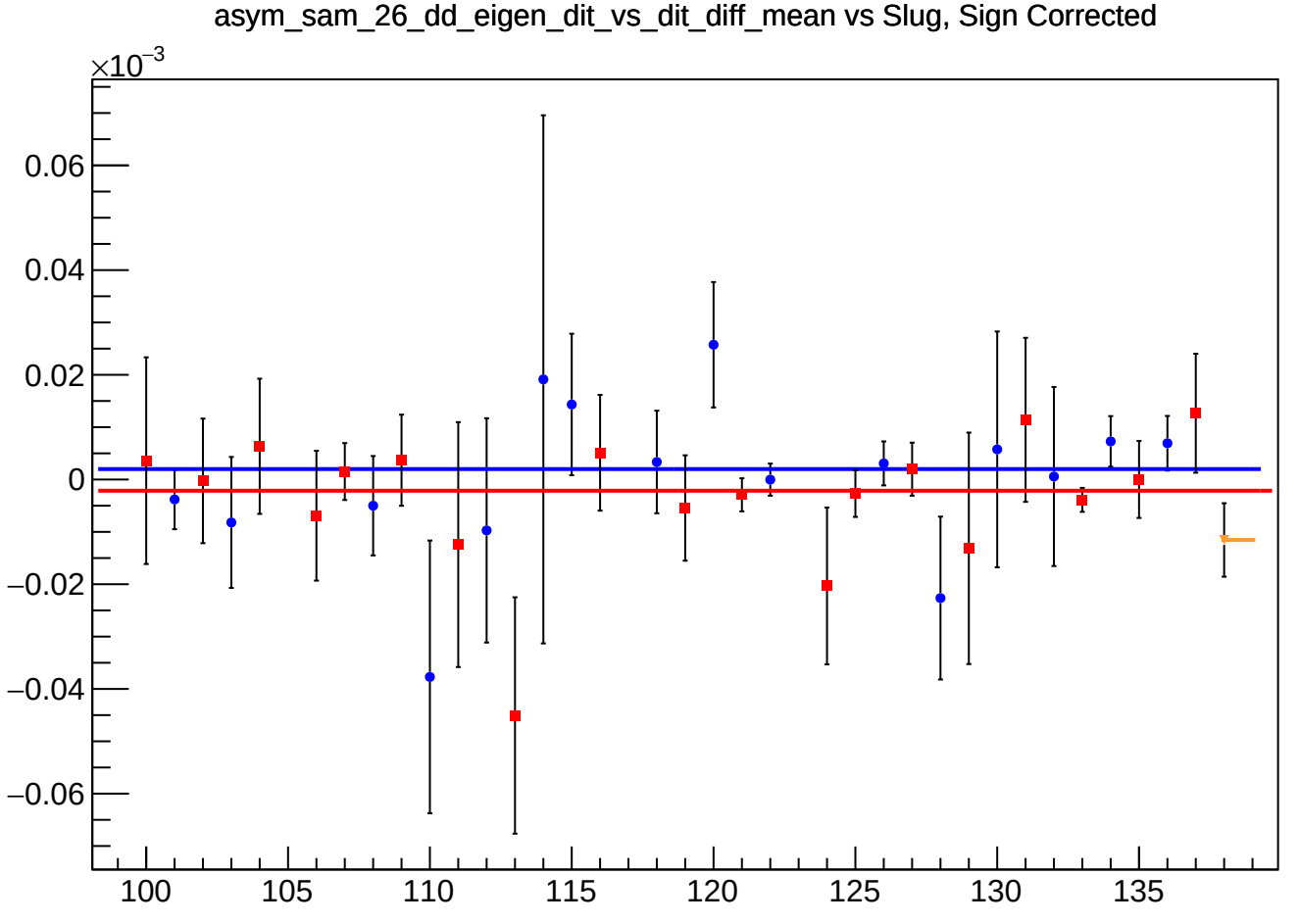
Left: 81.536+/-0.066 χ^2/NDF: 0.0/0

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.946+/-0.024 χ^2/NDF:1035004.5/15

Out: 85.563+/-0.022 χ^2/NDF:995627.0/19

All: 85.741+/-0.016 χ^2/NDF: 2030772.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

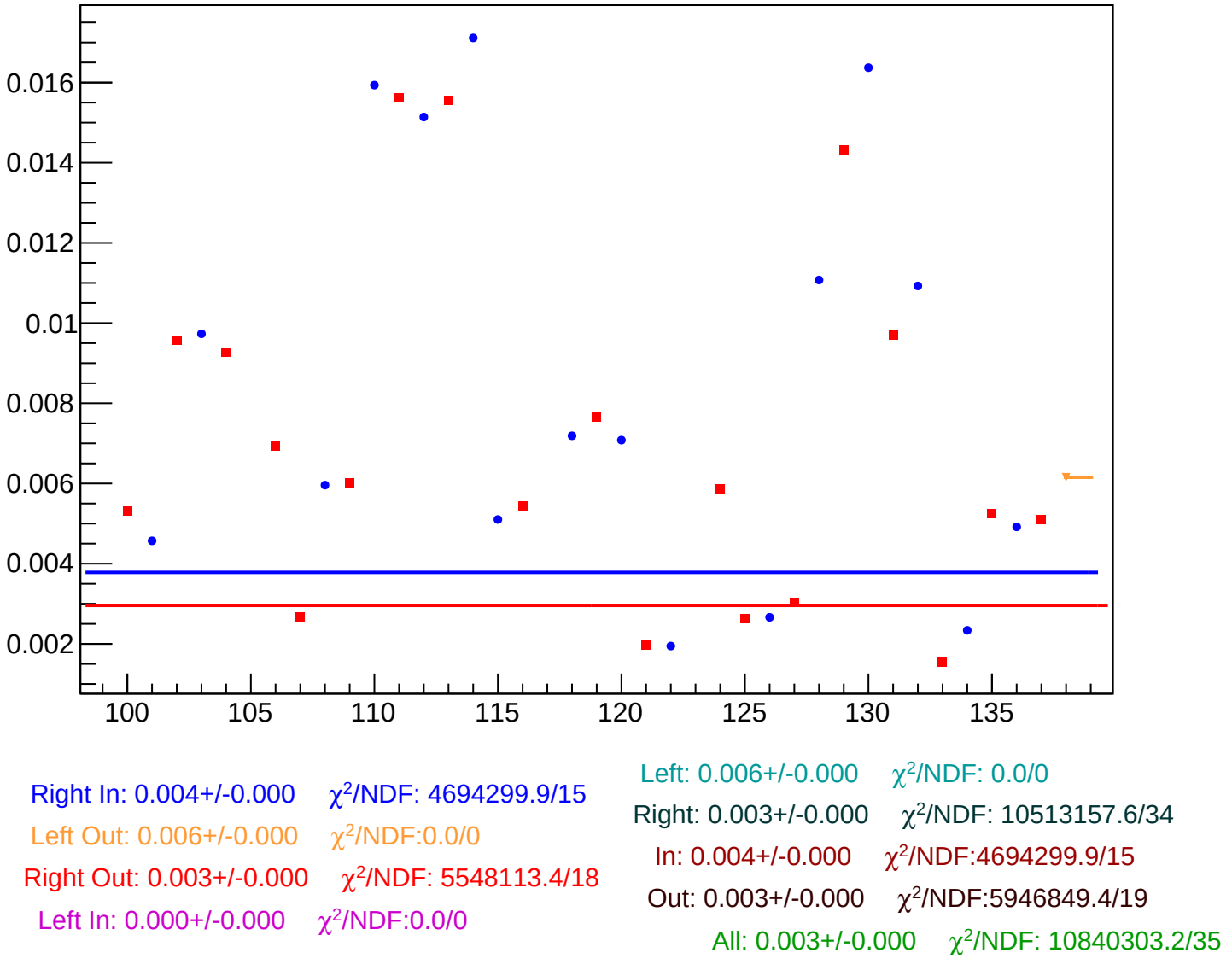
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

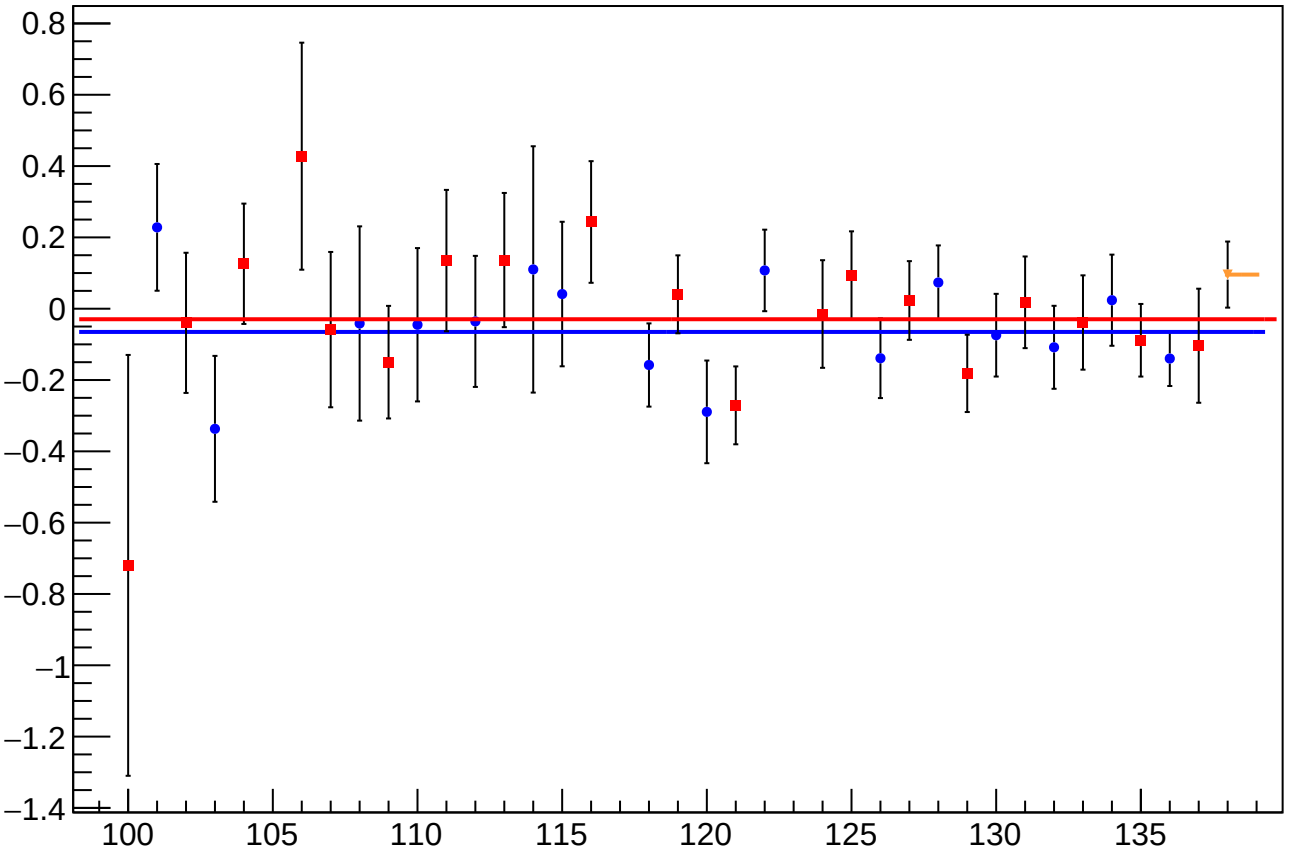
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:14.9/15

Out: -0.000+/-0.000 χ^2/NDF:13.2/19

All: -0.000+/-0.000 χ^2/NDF: 32.2/35


asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
Right In: 0.004+/-0.000 χ²/NDF: 4694299.9/15
Left Out: 0.006+/-0.000 χ²/NDF:0.0/0
Right Out: 0.003+/-0.000 χ²/NDF: 5548113.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.006+/-0.000 χ²/NDF: 0.0/0
Right: 0.003+/-0.000 χ²/NDF: 10513157.6/34
In: 0.004+/-0.000 χ²/NDF:4694299.9/15
Out: 0.003+/-0.000 χ²/NDF:5946849.4/19
All: 0.003+/-0.000 χ²/NDF: 10840303.2/35



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.096+/-0.093 χ^2/NDF:0.0/0

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.096+/-0.093 χ^2/NDF: 0.0/0

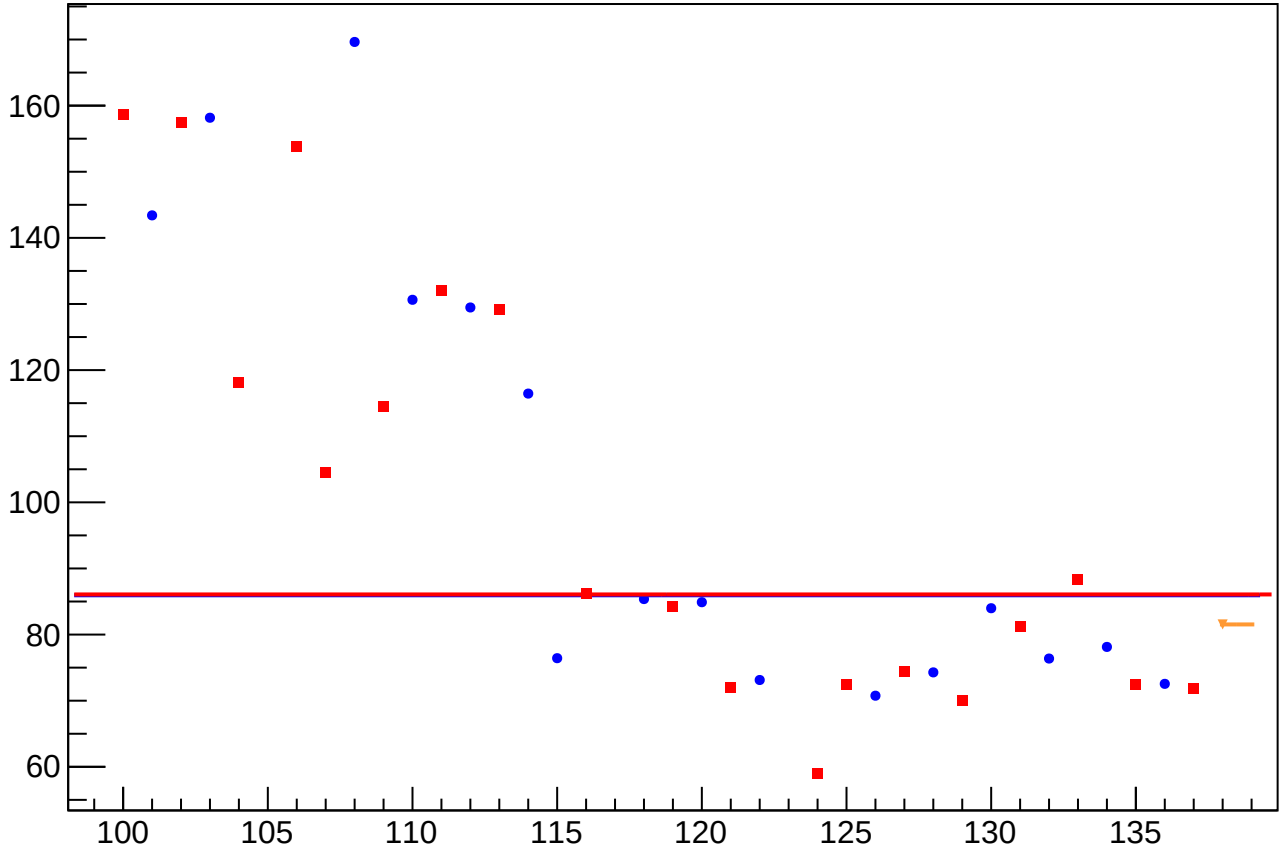
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.065+/-0.033 χ^2/NDF:14.2/15

Out: -0.015+/-0.031 χ^2/NDF:19.7/19

All: -0.039+/-0.023 χ^2/NDF: 35.1/35

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: 81.534+/-0.066 χ^2/NDF:0.0/0

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 81.534+/-0.066 χ^2/NDF: 0.0/0

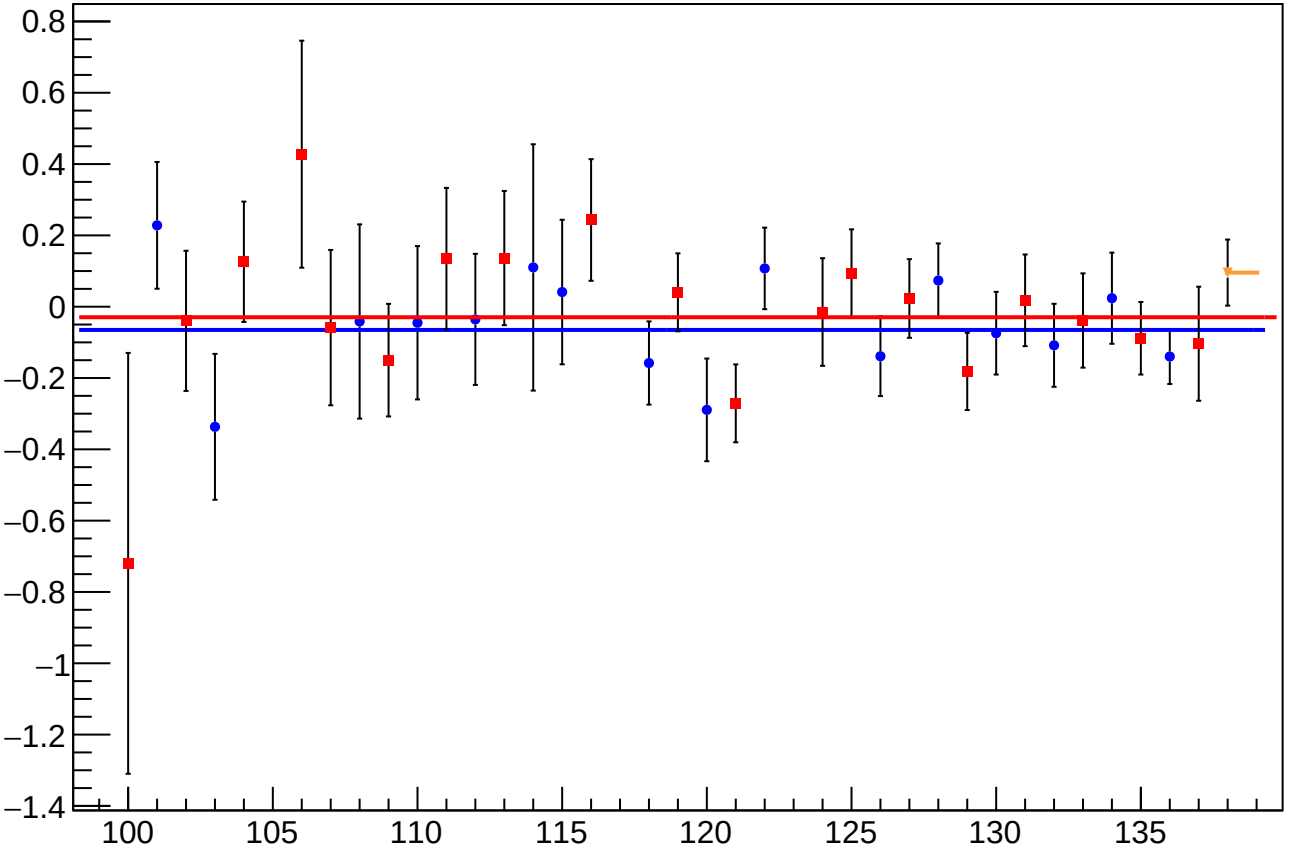
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.943+/-0.024 χ^2/NDF:1034986.7/15

Out: 85.561+/-0.022 χ^2/NDF:995618.9/19

All: 85.739+/-0.016 χ^2/NDF: 2030746.2/35

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: 0.096+/-0.093 χ^2/NDF:0.0/0

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.096+/-0.093 χ^2/NDF: 0.0/0

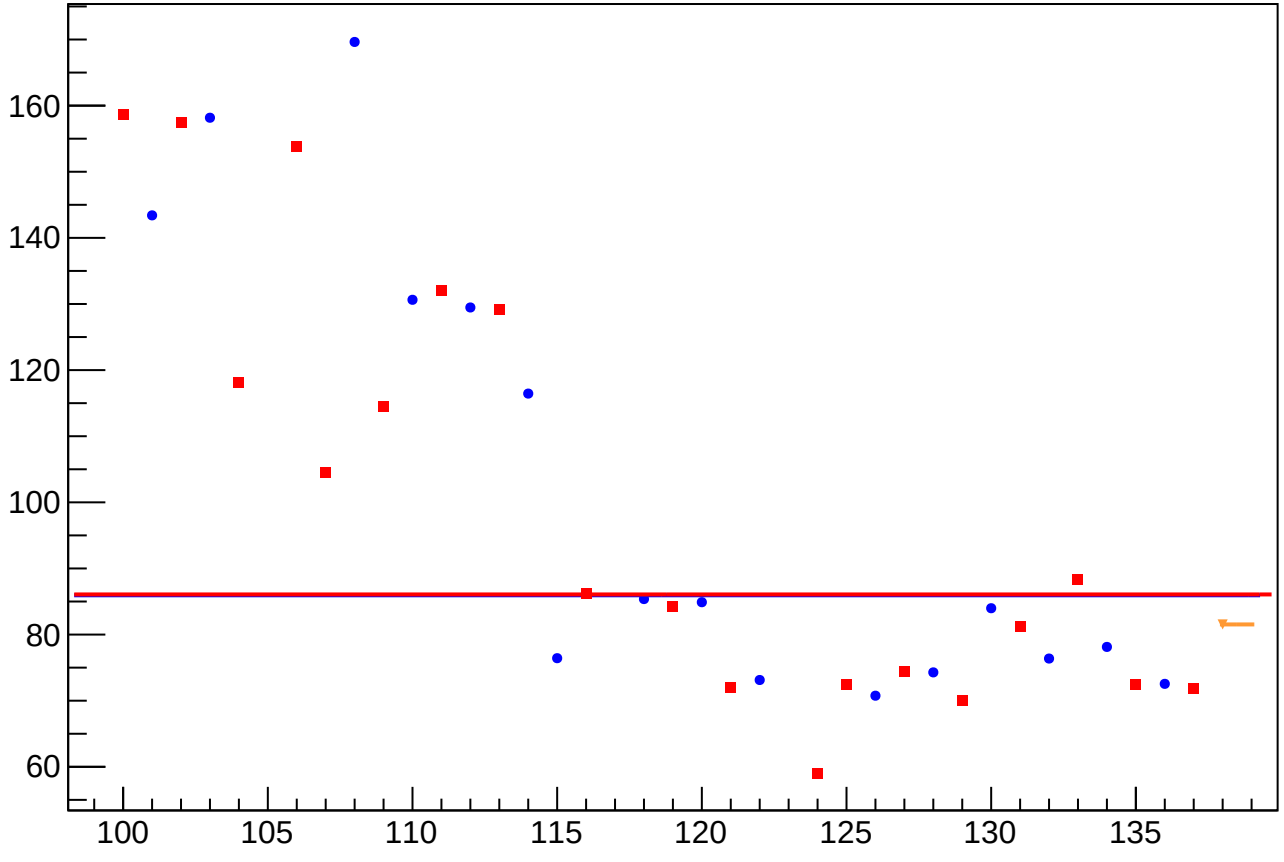
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.065+/-0.033 χ^2/NDF:14.2/15

Out: -0.015+/-0.031 χ^2/NDF:19.7/19

All: -0.039+/-0.023 χ^2/NDF: 35.1/35

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: 81.534+/-0.066 χ^2/NDF:0.0/0

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

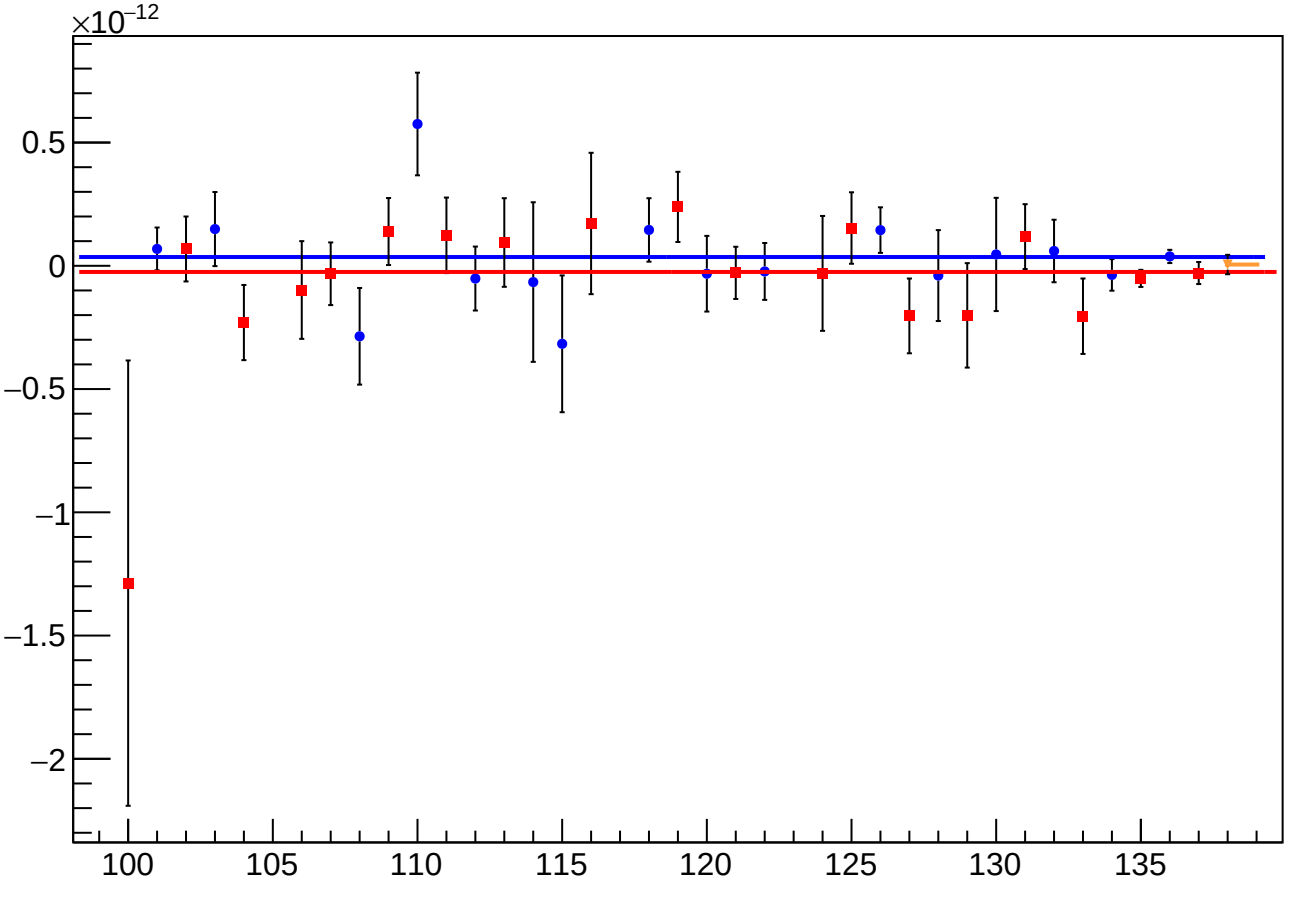
Left: 81.534+/-0.066 χ^2/NDF: 0.0/0

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.943+/-0.024 χ^2/NDF:1034986.7/15

Out: 85.561+/-0.022 χ^2/NDF:995618.9/19

All: 85.739+/-0.016 χ^2/NDF: 2030746.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

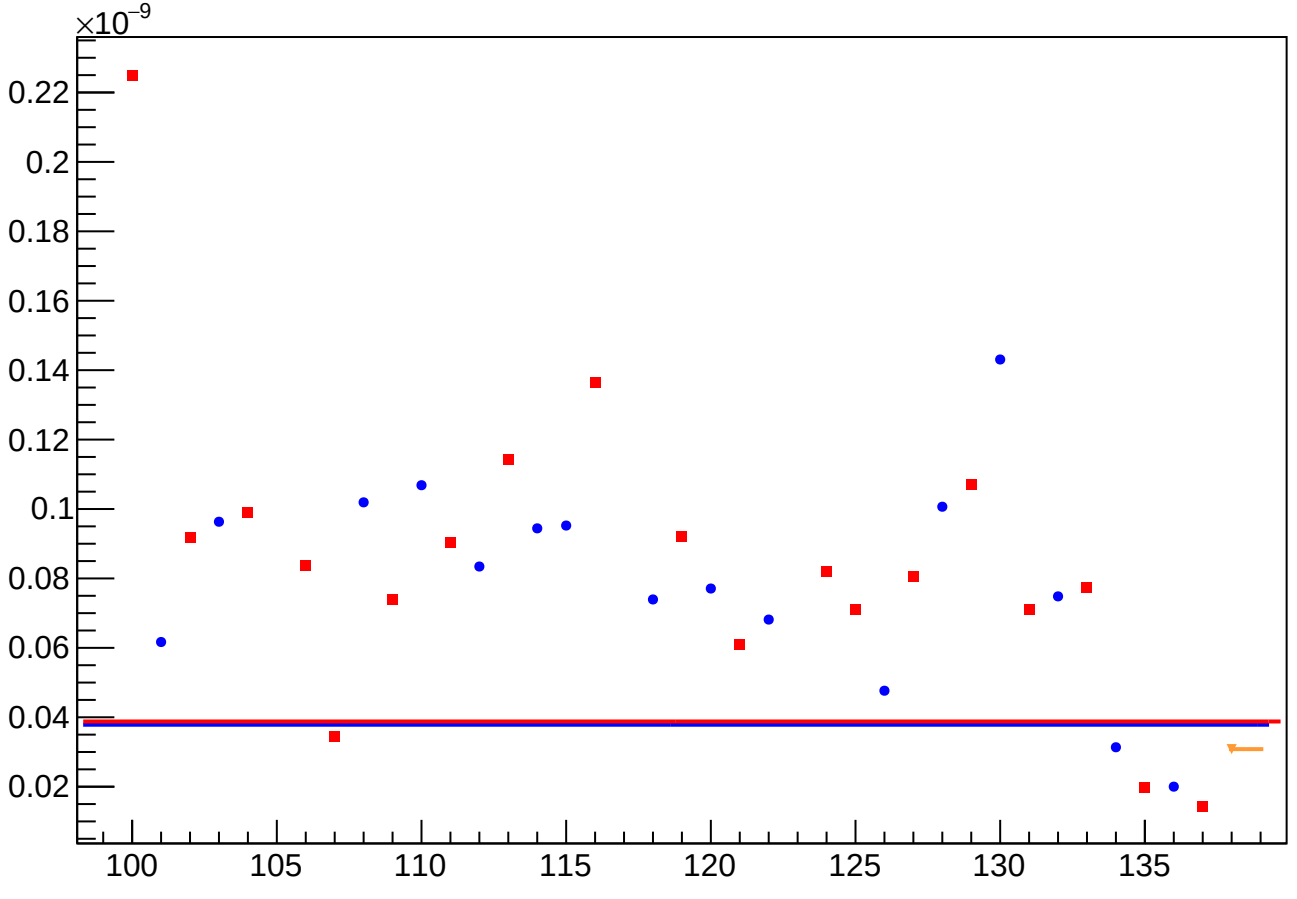
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:16.4/15

Out: -0.000+/-0.000 χ^2/NDF:18.3/19

All: 0.000+/-0.000 χ^2/NDF: 38.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

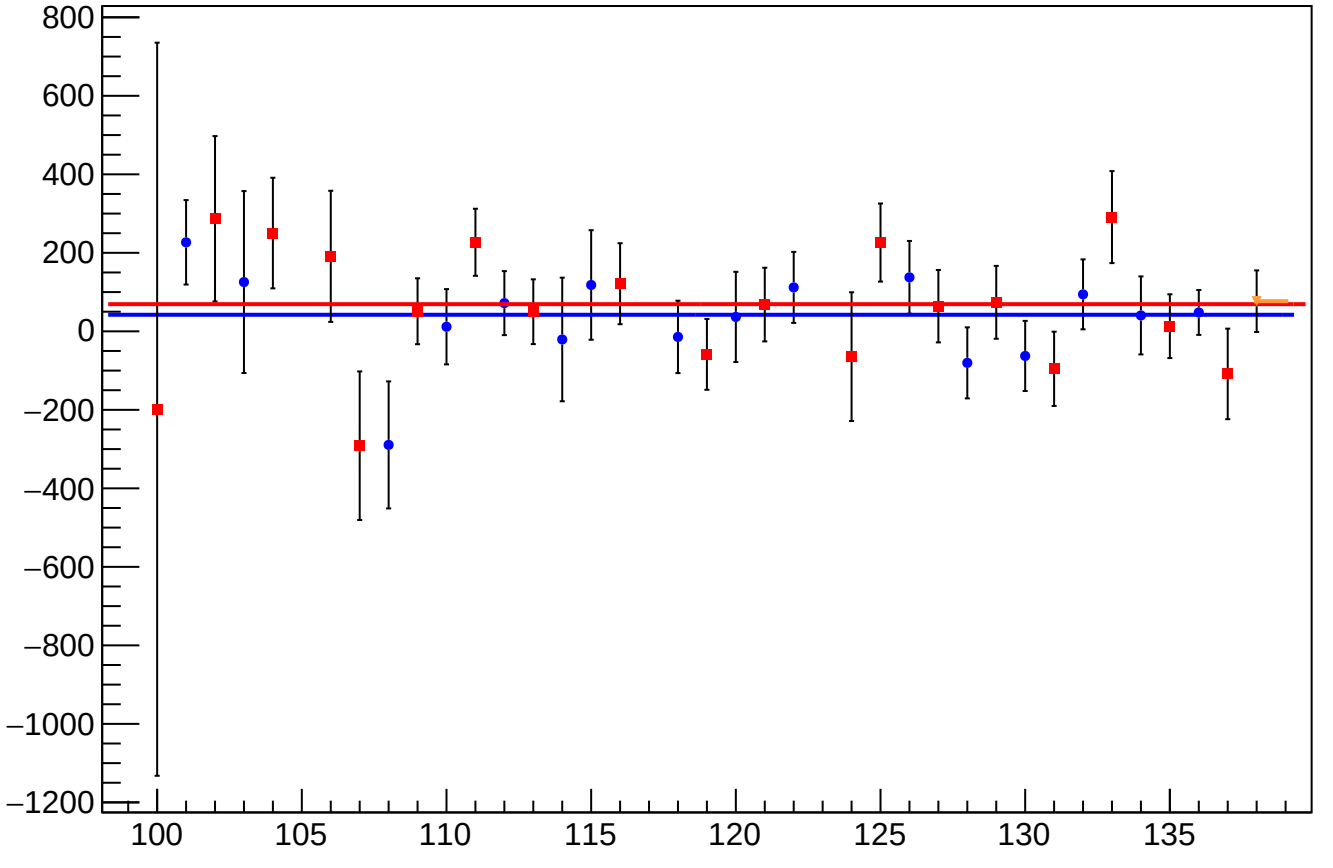
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:3456922.4/15

Out: 0.000+/-0.000 χ^2/NDF:4183775.7/19

All: 0.000+/-0.000 χ^2/NDF: 7643142.1/35



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: 76.816+/-78.479 χ^2/NDF:0.0/0

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

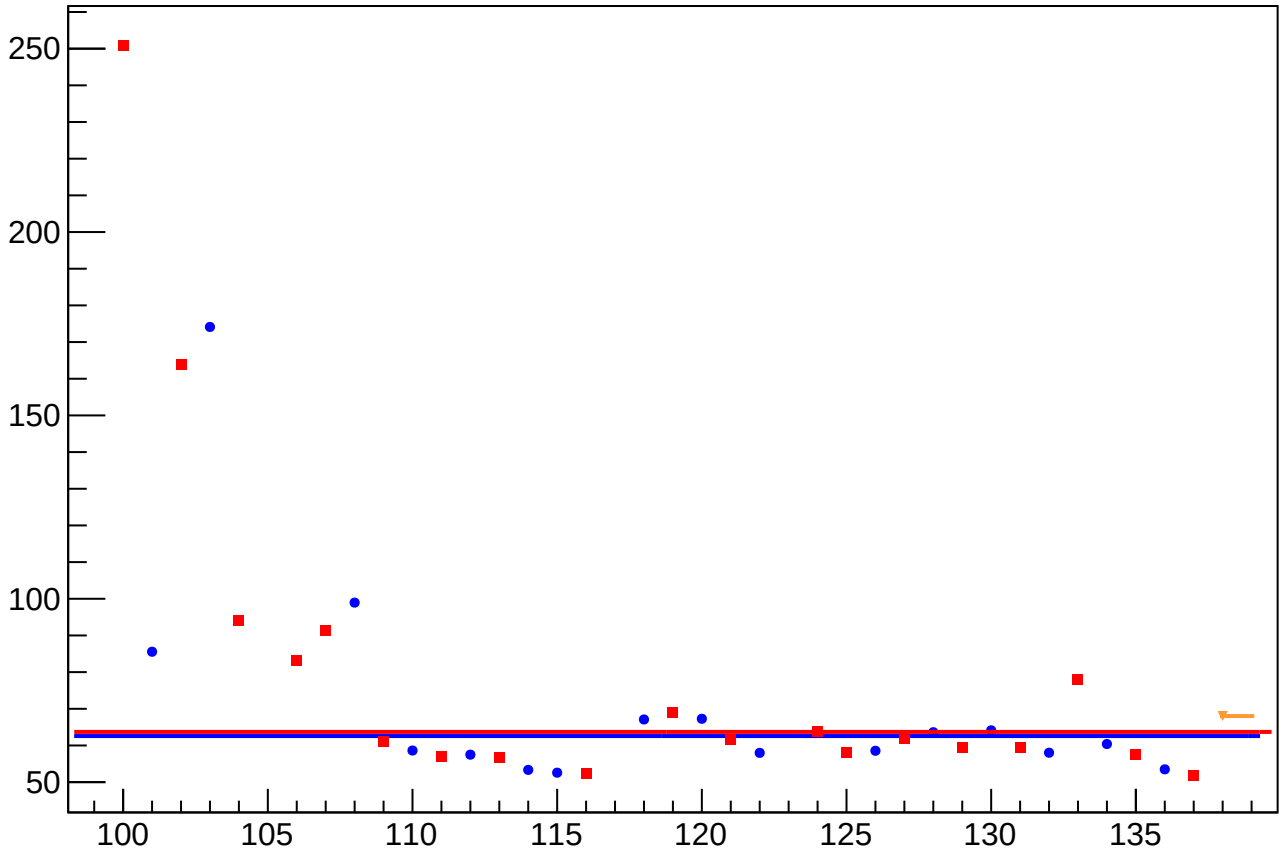
Left: 76.816+/-78.479 χ^2/NDF: 0.0/0

Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: 42.220+/-24.207 χ^2/NDF:13.6/15

Out: 69.917+/-23.316 χ^2/NDF:25.4/19

All: 56.588+/-16.793 χ^2/NDF: 39.6/35



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 68.021+/-0.055 χ^2/NDF:0.0/0

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 68.021+/-0.055 χ^2/NDF: 0.0/0

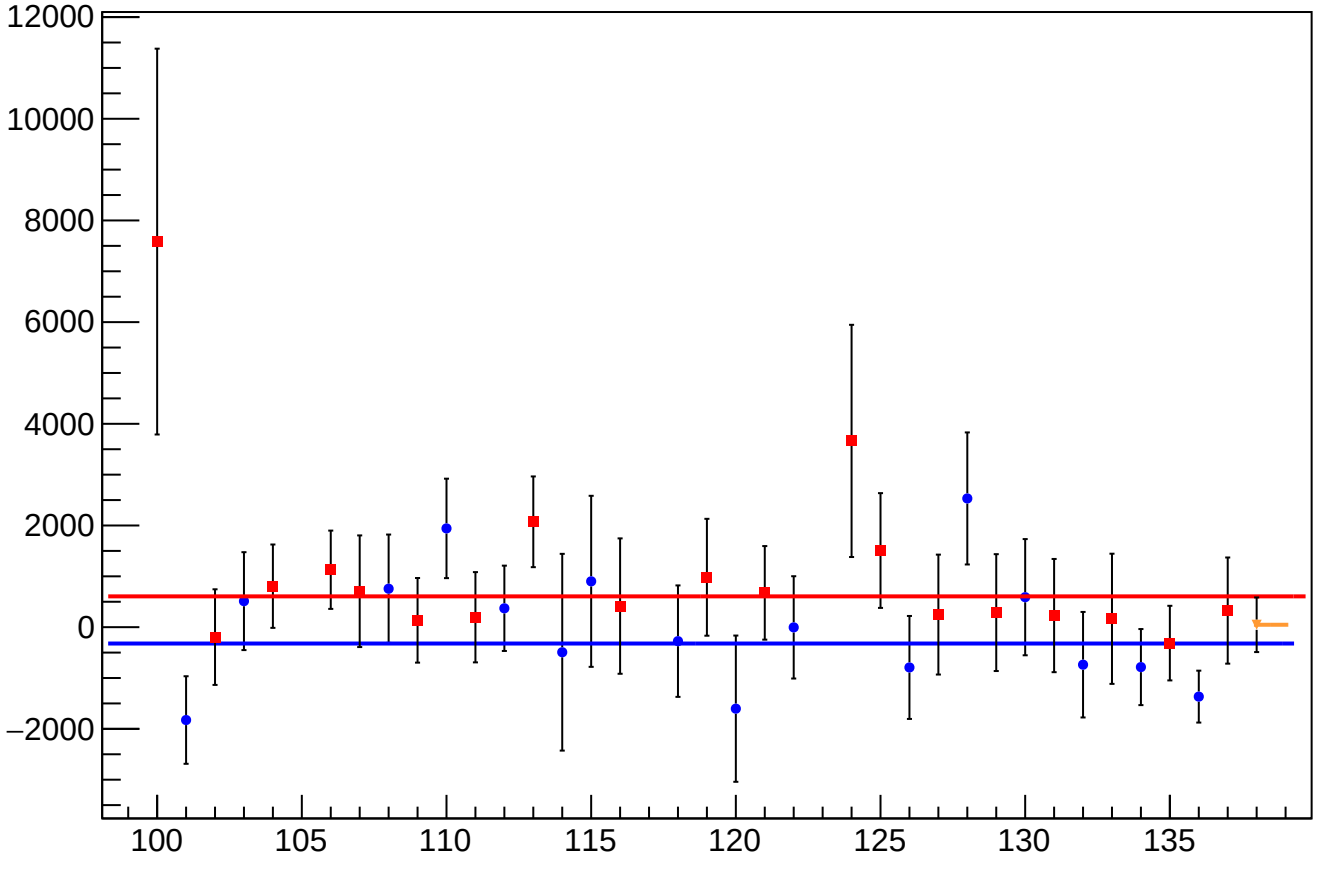
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 62.566+/-0.017 χ^2/NDF:758603.5/15

Out: 64.081+/-0.016 χ^2/NDF:839709.1/19

All: 63.352+/-0.012 χ^2/NDF: 1602377.1/35

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: 47.376+/-537.252 χ^2/NDF:0.0/0

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

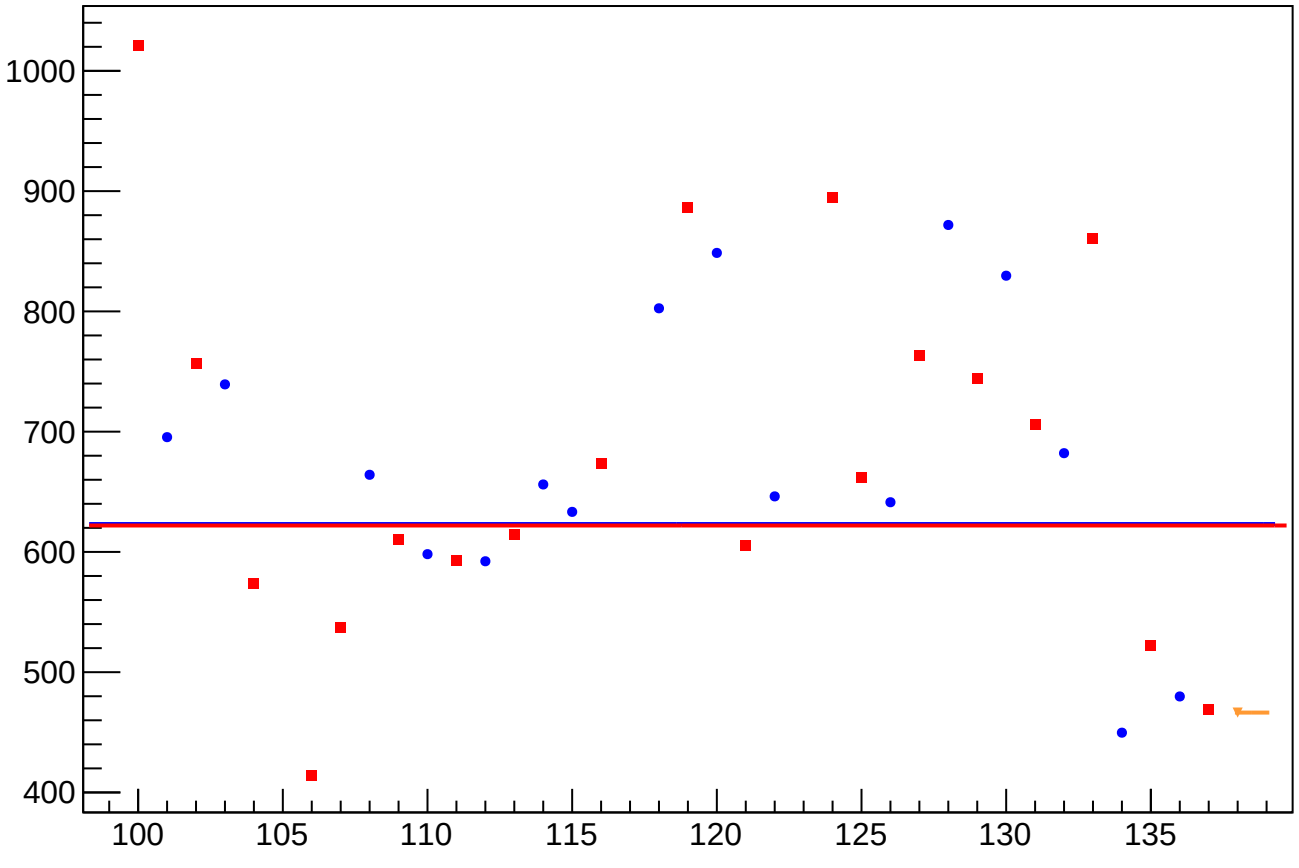
Left: 47.376+/-537.252 χ^2/NDF: 0.0/0

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: -321.663+/-238.482 χ^2/NDF:22.7/15

Out: 517.035+/-214.259 χ^2/NDF:13.4/19

All: 142.431+/-159.382 χ^2/NDF: 42.9/35



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 466.418+/-0.380 χ^2/NDF:0.0/0

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

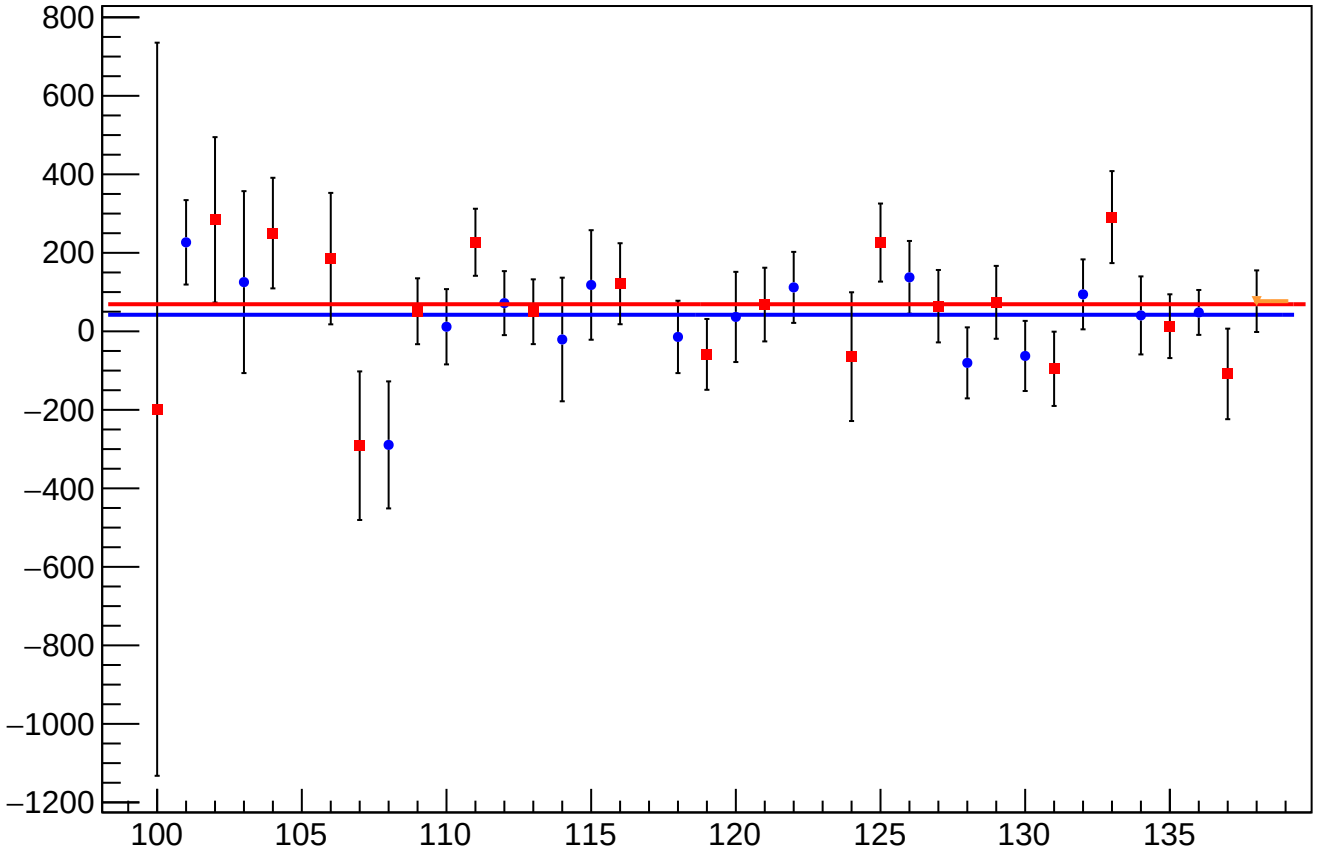
Left: 466.418+/-0.380 χ^2/NDF: 0.0/0

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 623.181+/-0.169 χ^2/NDF:565524.7/15

Out: 597.234+/-0.152 χ^2/NDF:723593.3/19

All: 608.823+/-0.113 χ^2/NDF: 1302218.6/35



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 76.816+/-78.479 χ^2/NDF:0.0/0

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 76.816+/-78.479 χ^2/NDF: 0.0/0

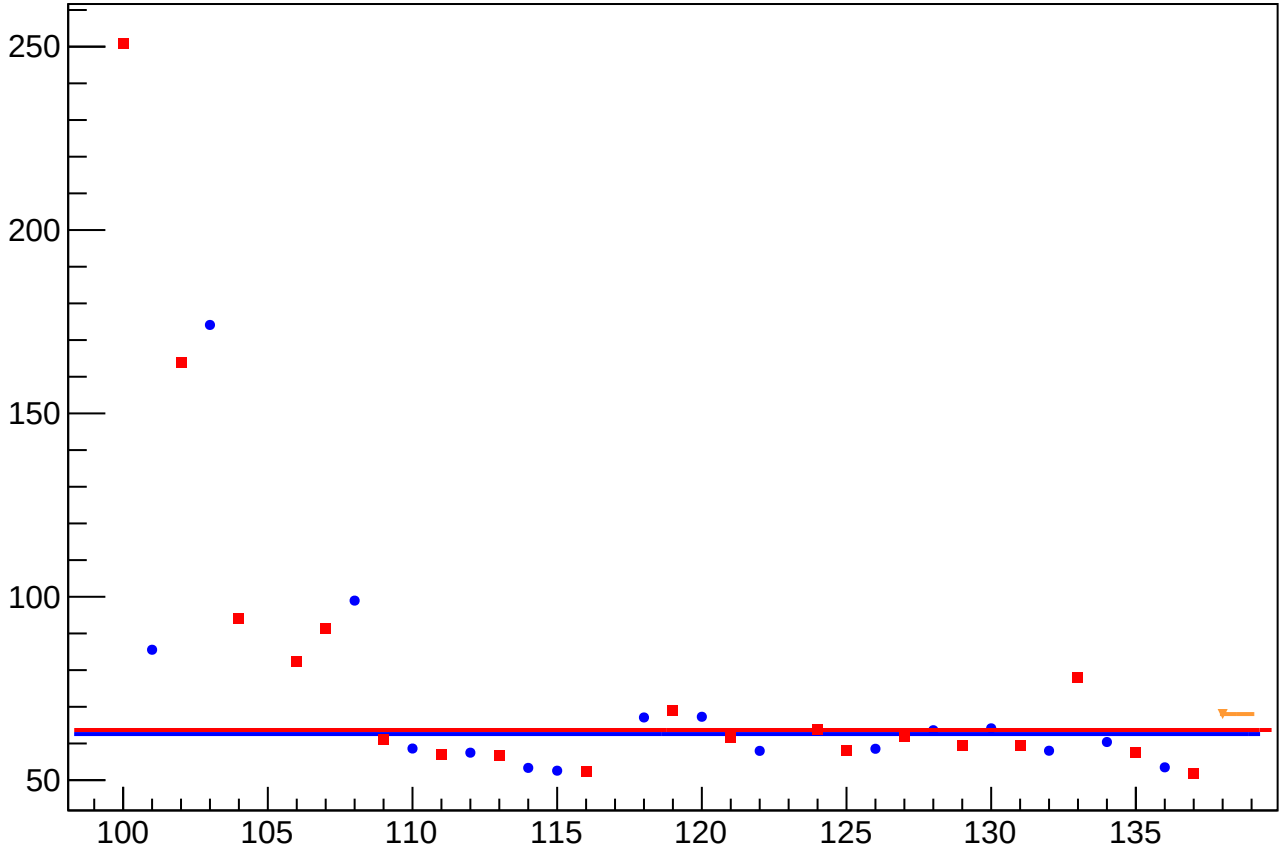
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: 42.213+/-24.207 χ^2/NDF:13.6/15

Out: 69.752+/-23.317 χ^2/NDF:25.3/19

All: 56.498+/-16.793 χ^2/NDF: 39.5/35

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 68.021+/-0.055 χ^2/NDF:0.0/0

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

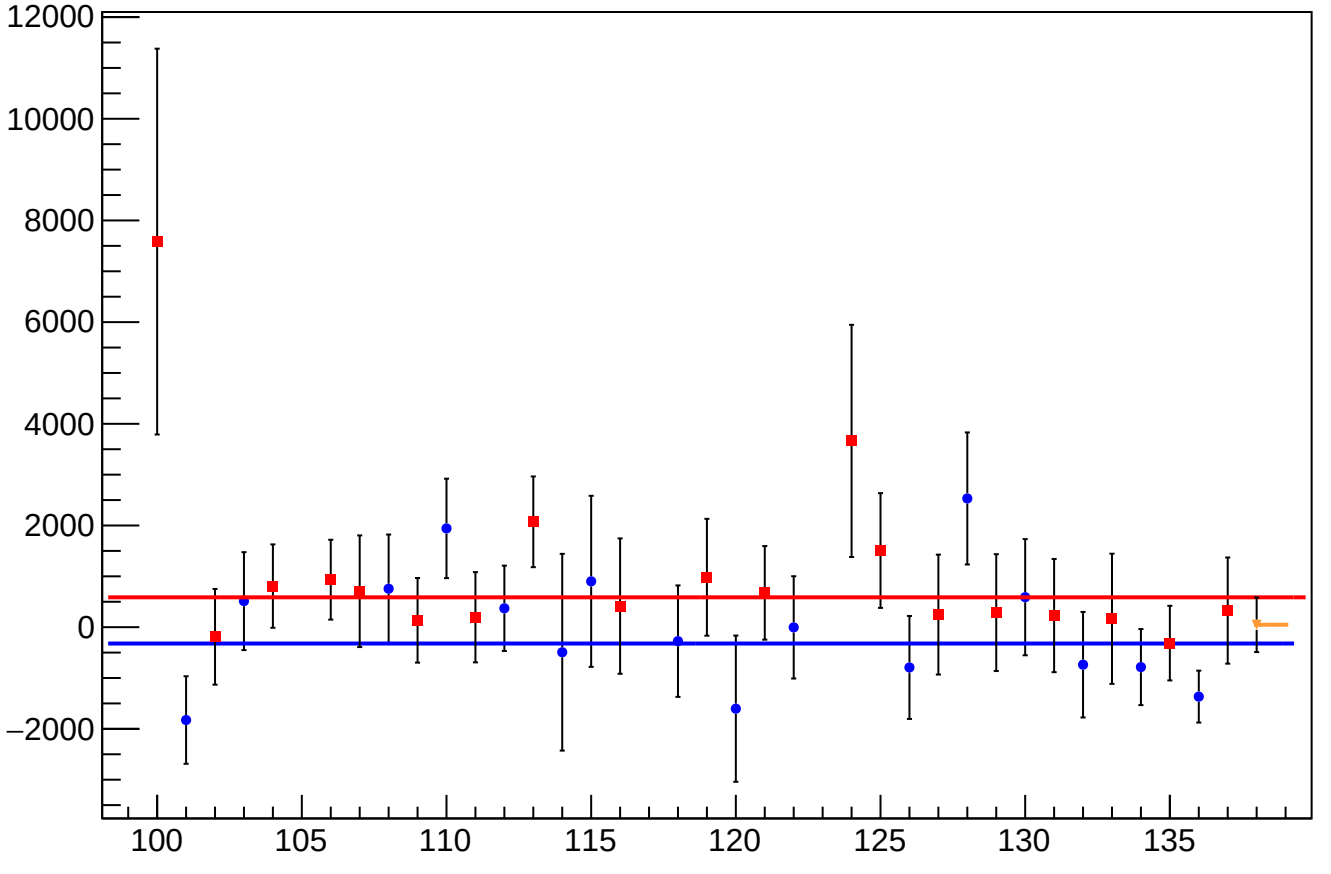
Left: 68.021+/-0.055 χ^2/NDF: 0.0/0

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 62.566+/-0.017 χ^2/NDF:758605.6/15

Out: 64.059+/-0.016 χ^2/NDF:837023.2/19

All: 63.340+/-0.012 χ^2/NDF: 1599576.2/35



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: 47.372+/-537.253 χ^2/NDF:0.0/0

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

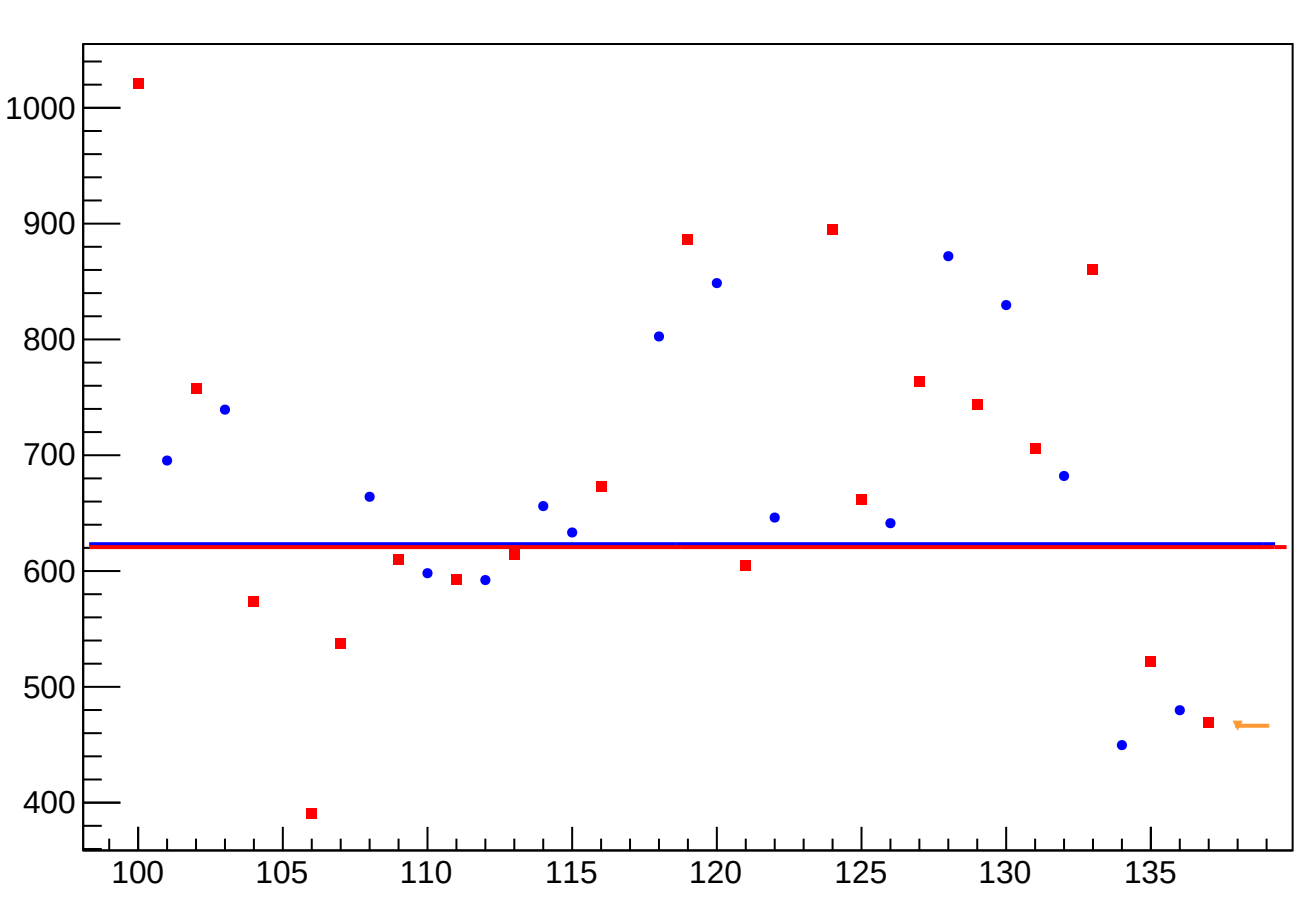
Left: 47.372+/-537.253 χ^2/NDF: 0.0/0

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -321.660+/-238.484 χ^2/NDF:22.7/15

Out: 501.093+/-214.596 χ^2/NDF:13.0/19

All: 132.975+/-159.521 χ^2/NDF: 42.3/35



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 466.418+/-0.380 χ^2/NDF:0.0/0

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

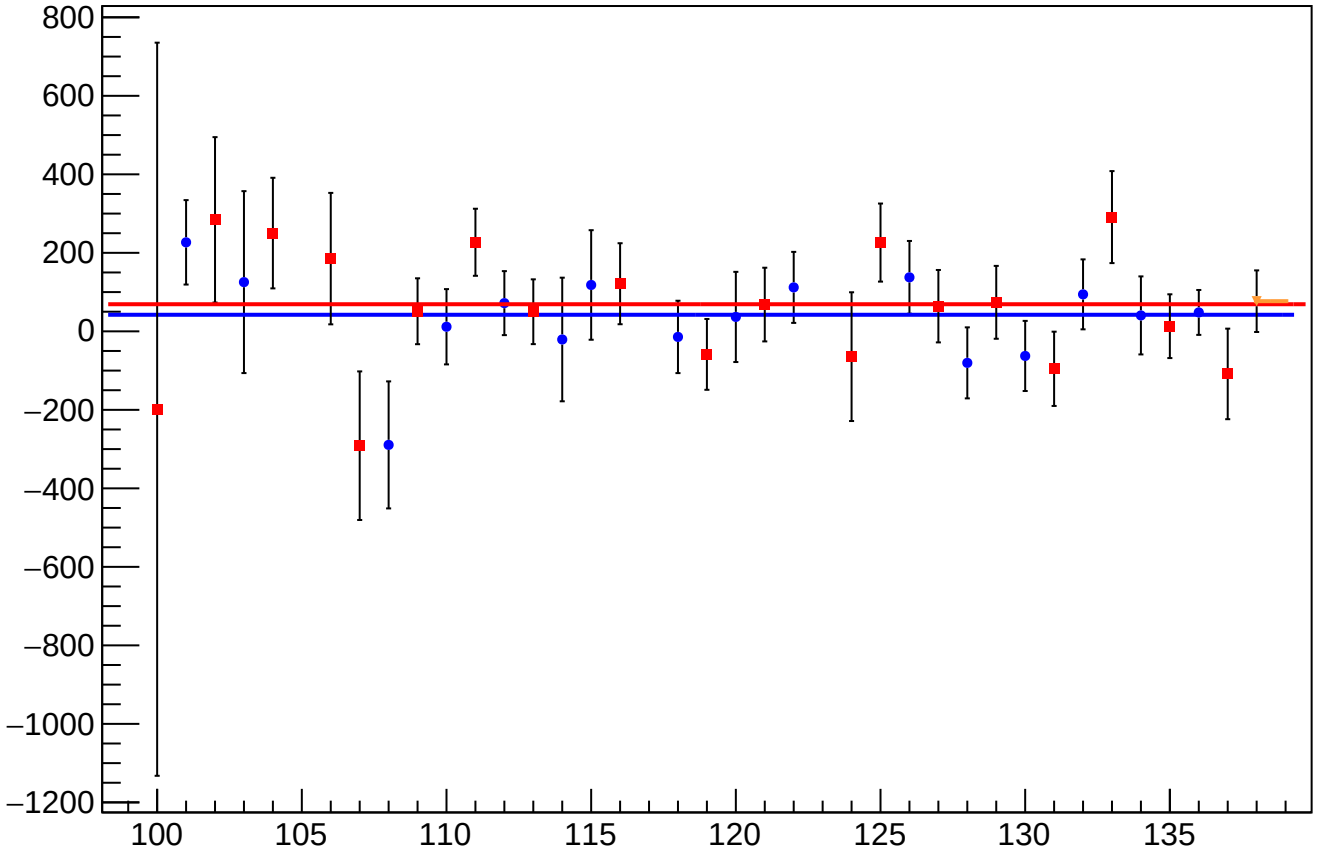
Left: 466.418+/-0.380 χ^2/NDF: 0.0/0

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 623.184+/-0.169 χ^2/NDF:565557.0/15

Out: 596.062+/-0.152 χ^2/NDF:749091.3/19

All: 608.197+/-0.113 χ^2/NDF: 1328942.0/35



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 76.816+/-78.479 χ^2/NDF:0.0/0

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

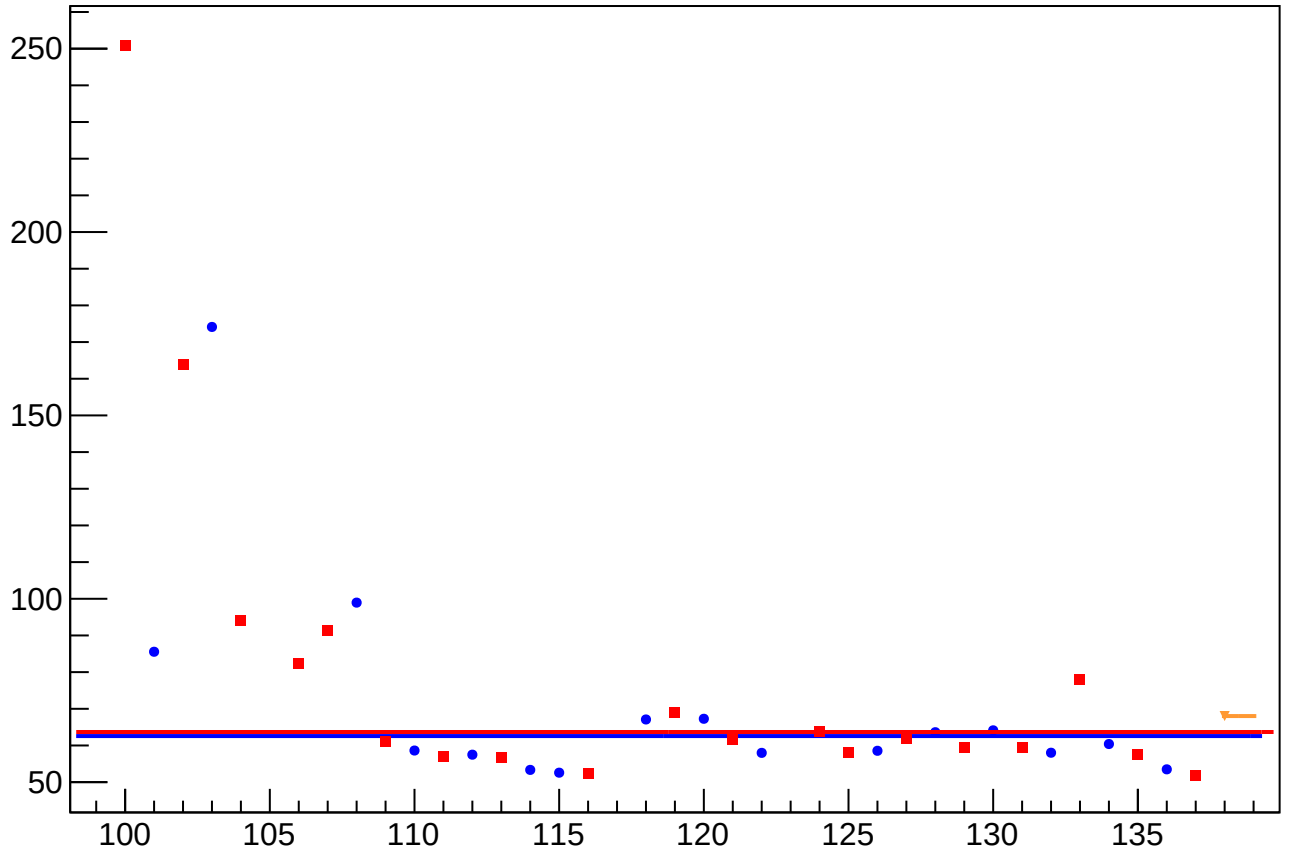
Left: 76.816+/-78.479 χ^2/NDF: 0.0/0

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: 42.213+/-24.207 χ^2/NDF:13.6/15

Out: 69.752+/-23.317 χ^2/NDF:25.3/19

All: 56.498+/-16.793 χ^2/NDF: 39.5/35



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 68.021+/-0.055 χ^2/NDF:0.0/0

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 68.021+/-0.055 χ^2/NDF: 0.0/0

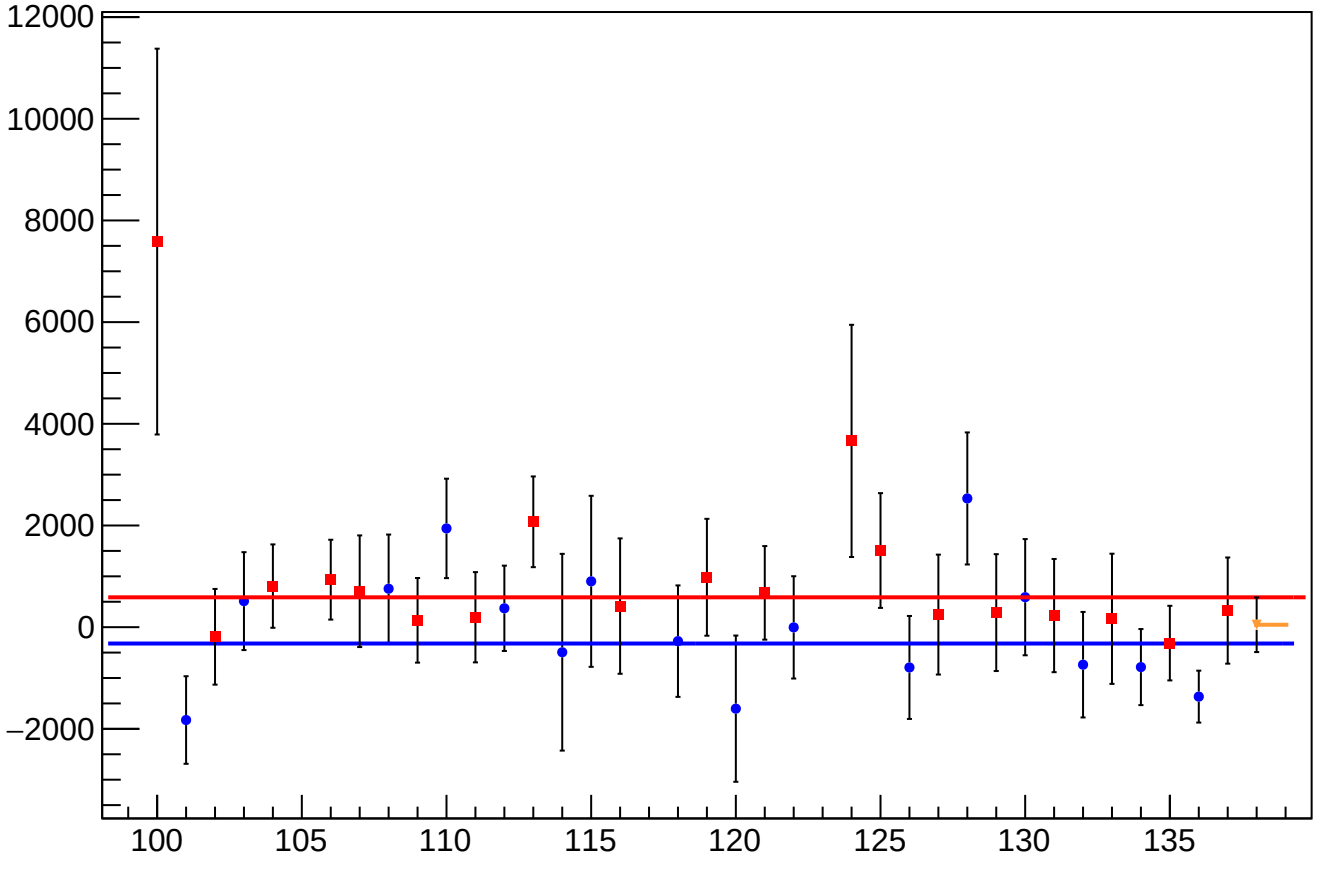
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 62.566+/-0.017 χ^2/NDF:758605.6/15

Out: 64.059+/-0.016 χ^2/NDF:837023.2/19

All: 63.340+/-0.012 χ^2/NDF: 1599576.2/35

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: 47.372+/-537.253 χ^2/NDF:0.0/0

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

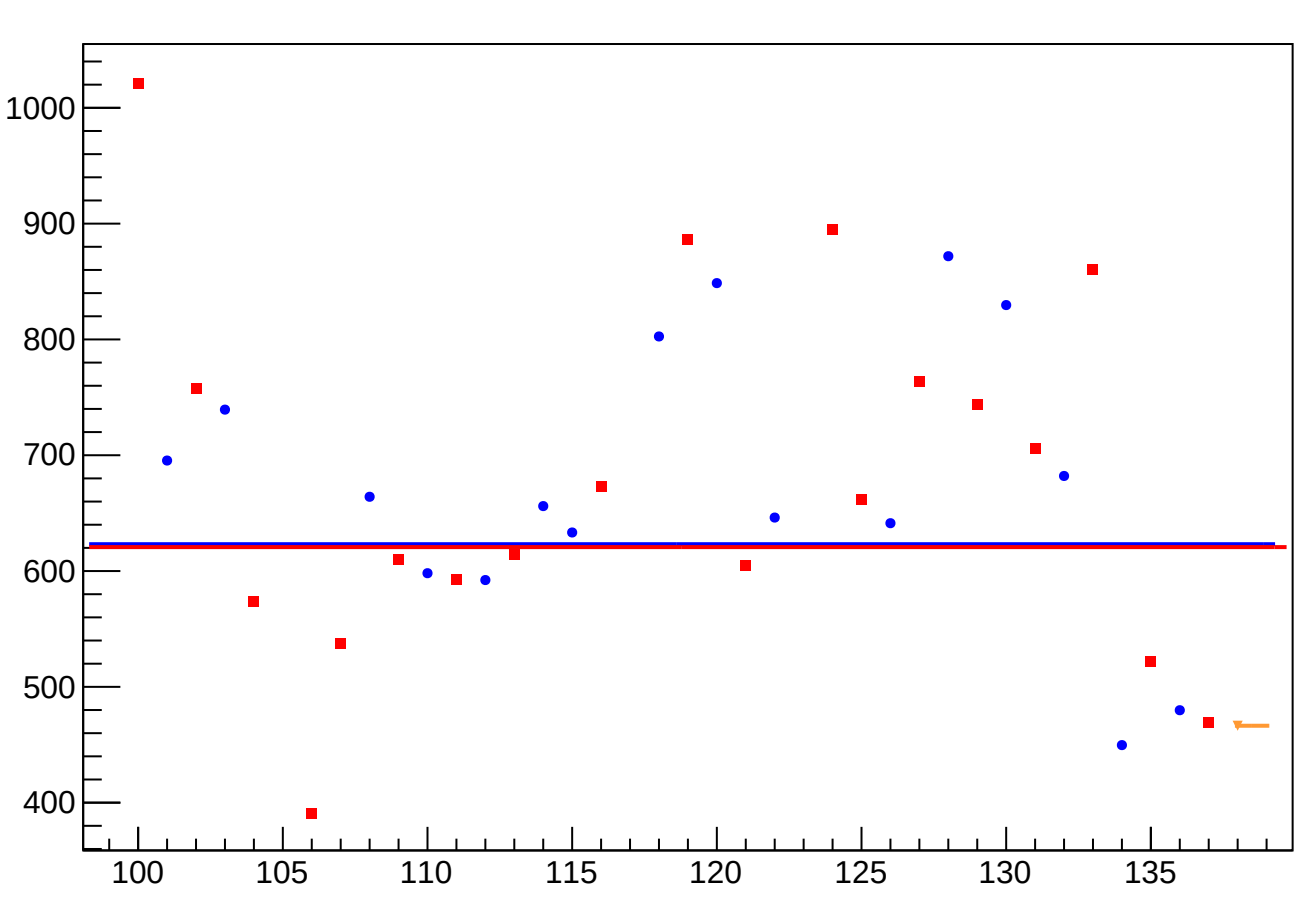
Left: 47.372+/-537.253 χ^2/NDF: 0.0/0

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -321.660+/-238.484 χ^2/NDF:22.7/15

Out: 501.093+/-214.596 χ^2/NDF:13.0/19

All: 132.975+/-159.521 χ^2/NDF: 42.3/35



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 466.418+/-0.380 χ^2/NDF:0.0/0

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

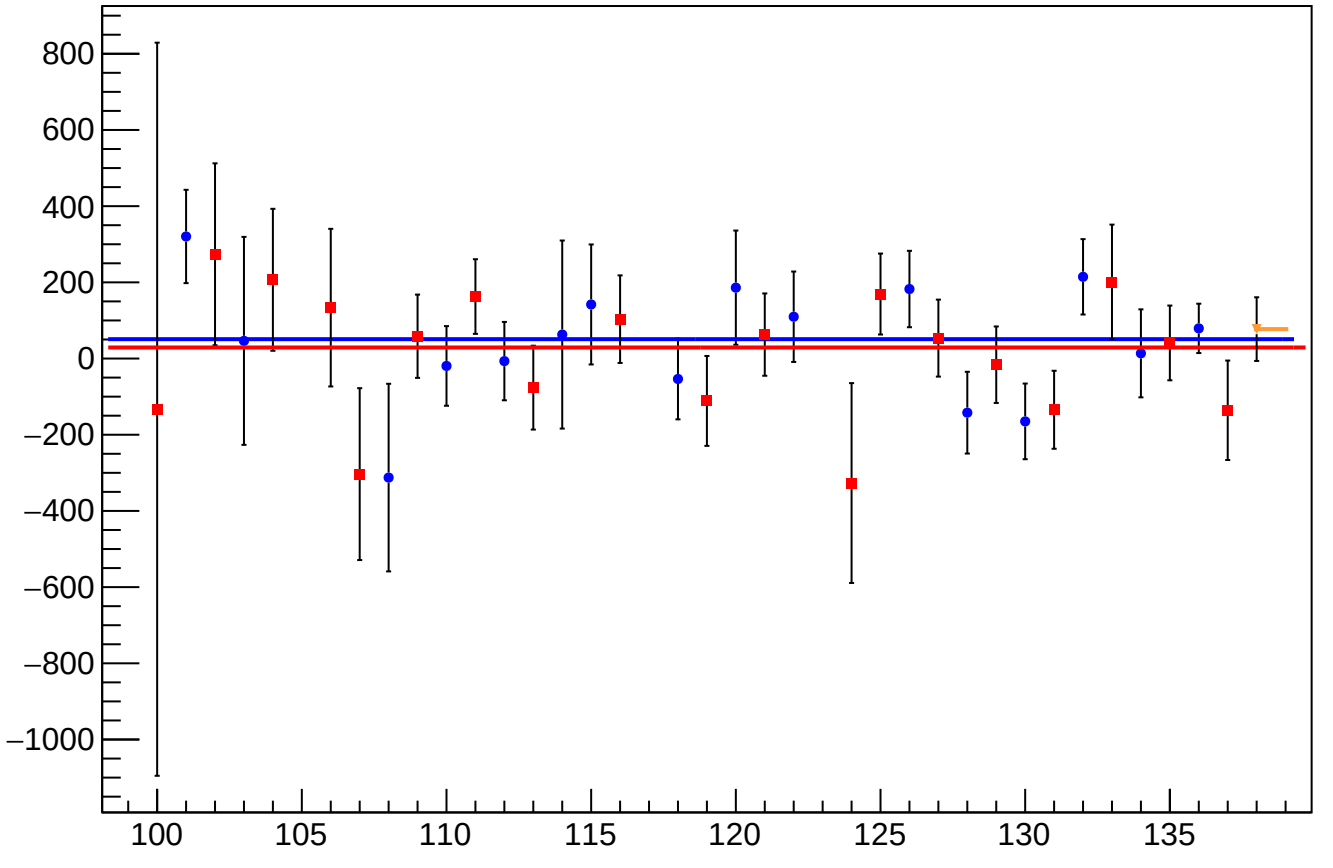
Left: 466.418+/-0.380 χ^2/NDF: 0.0/0

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 623.184+/-0.169 χ^2/NDF:565557.0/15

Out: 596.062+/-0.152 χ^2/NDF:749091.3/19

All: 608.197+/-0.113 χ^2/NDF: 1328942.0/35



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 77.263+/-83.553 χ^2/NDF:0.0/0

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 77.263+/-83.553 χ^2/NDF: 0.0/0

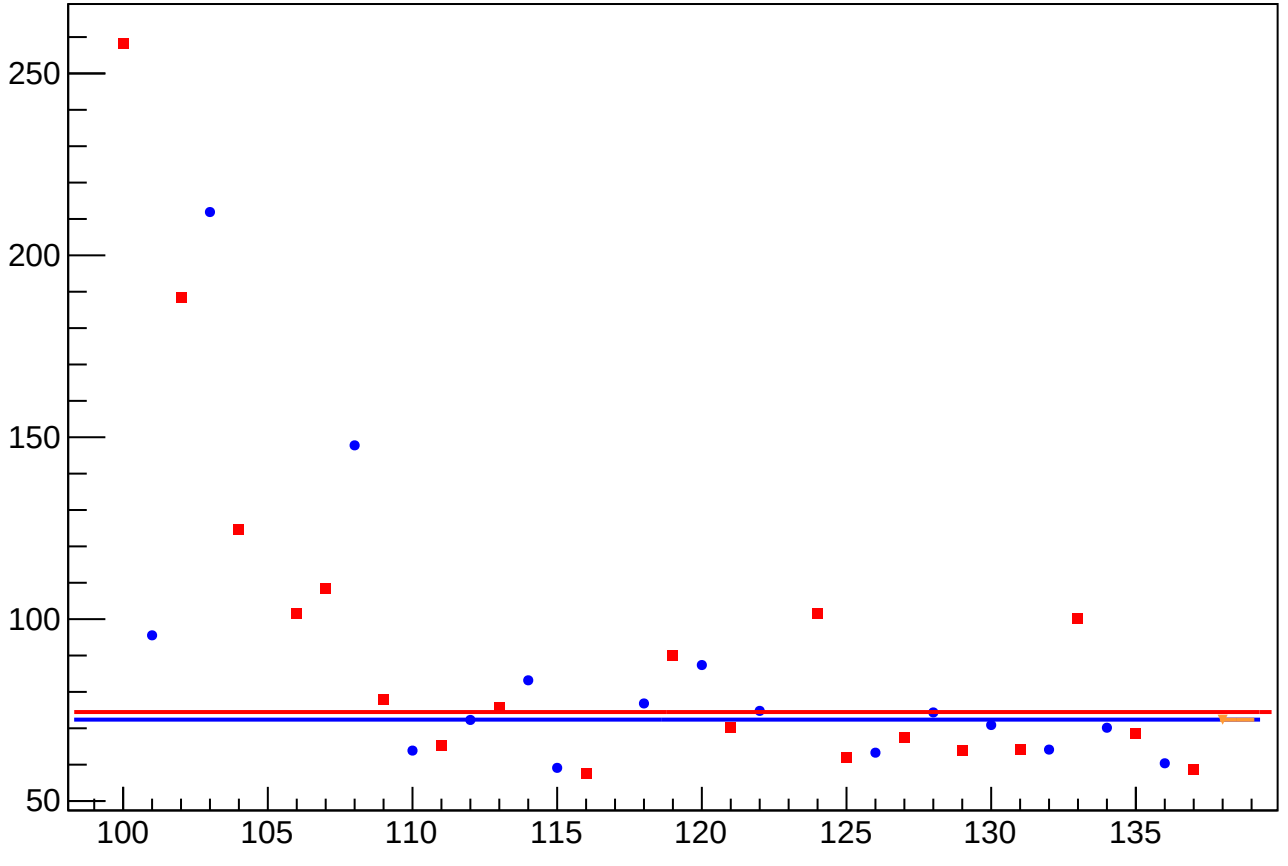
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: 50.840+/-28.316 χ^2/NDF:22.9/15

Out: 34.196+/-27.320 χ^2/NDF:18.8/19

All: 42.220+/-19.661 χ^2/NDF: 41.8/35

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 72.360+/-0.059 χ^2/NDF:0.0/0

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

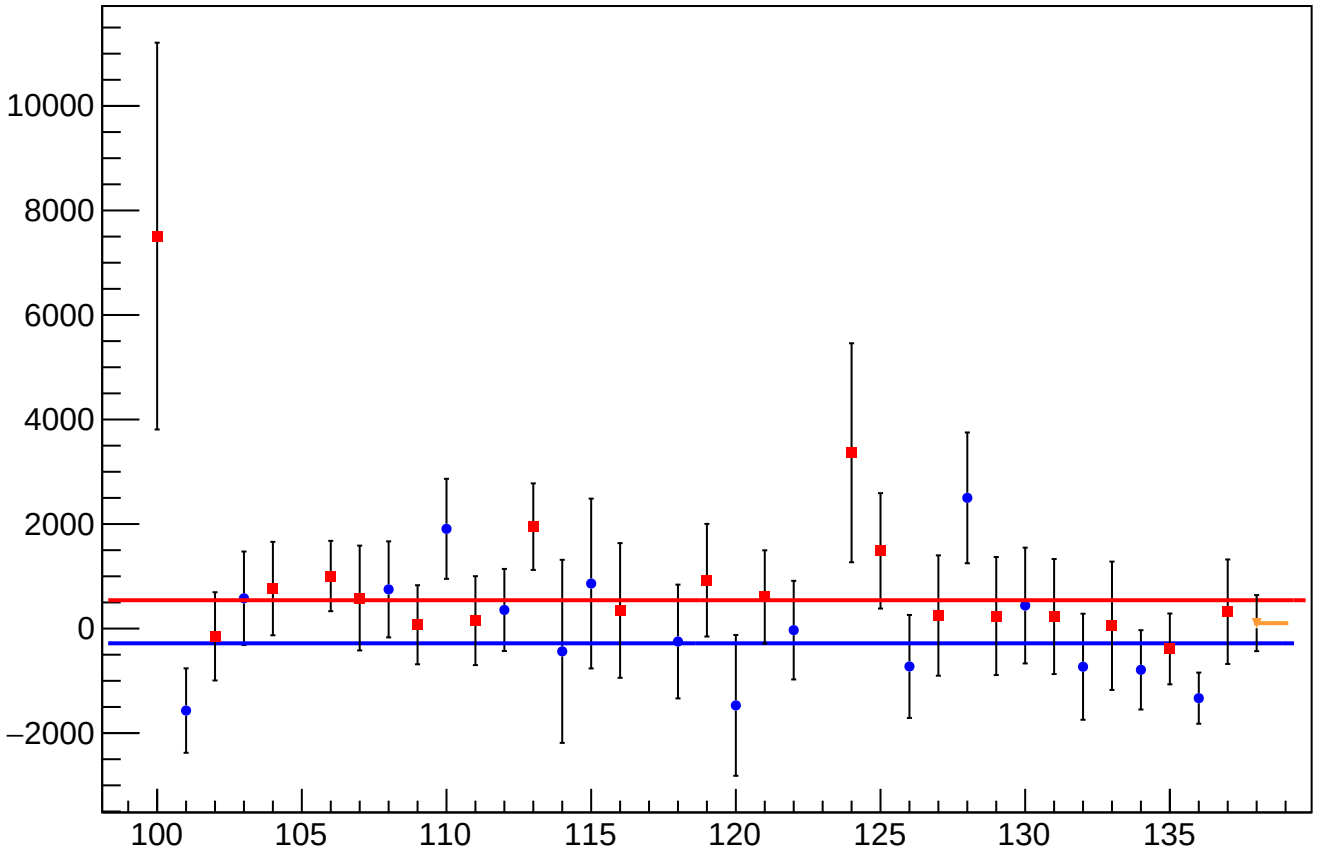
Left: 72.360+/-0.059 χ^2/NDF: 0.0/0

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 72.378+/-0.020 χ^2/NDF:938175.3/15

Out: 74.238+/-0.019 χ^2/NDF:1053428.8/19

All: 73.341+/-0.014 χ^2/NDF: 1996076.7/35



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: 103.768+/-536.083 χ^2/NDF:0.0/0

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

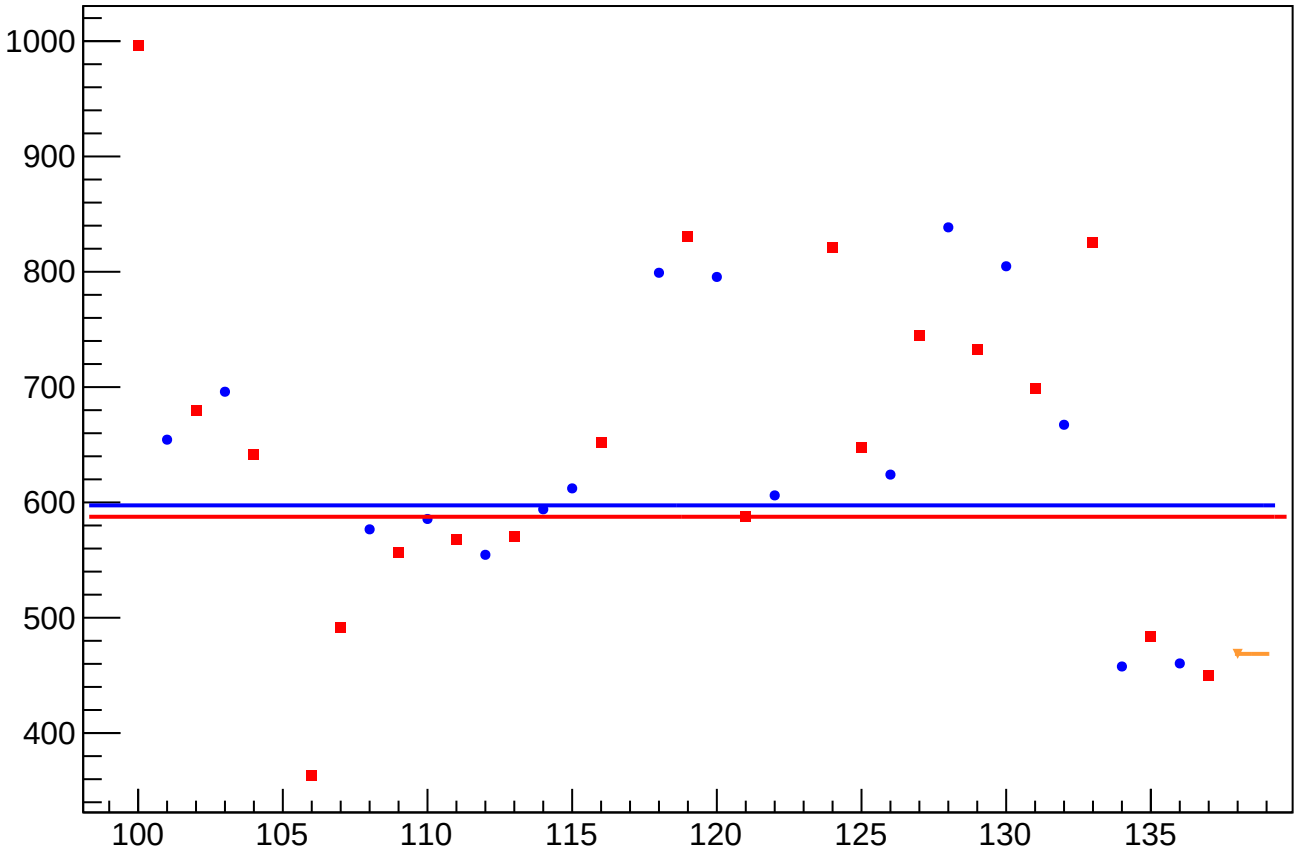
Left: 103.768+/-536.083 χ^2/NDF: 0.0/0

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: -282.039+/-227.789 χ^2/NDF:22.8/15

Out: 478.412+/-204.243 χ^2/NDF:13.8/19

All: 139.509+/-152.067 χ^2/NDF: 42.8/35



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 468.667+/-0.379 χ^2/NDF:0.0/0

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

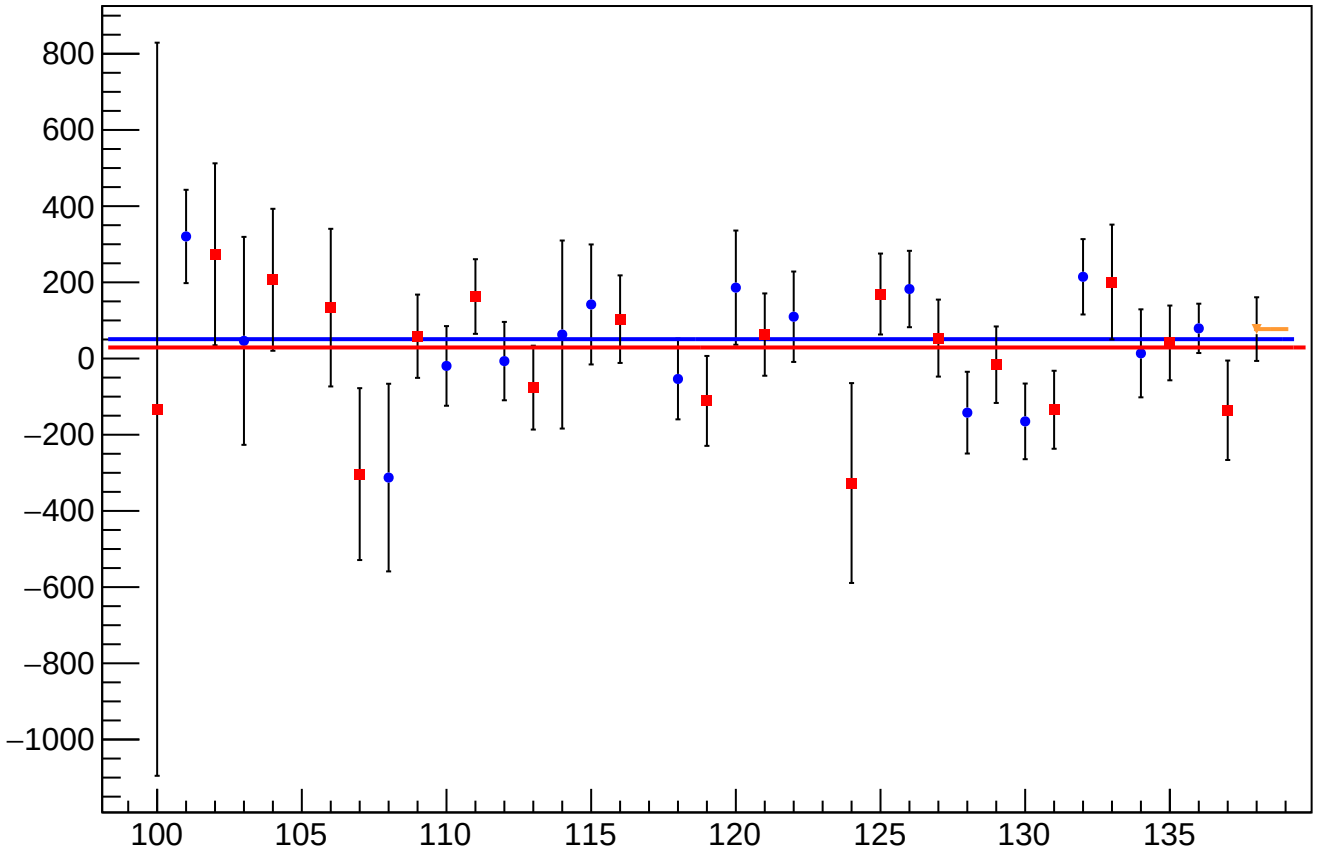
Left: 468.667+/-0.379 χ^2/NDF: 0.0/0

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 597.438+/-0.161 χ^2/NDF:533791.9/15

Out: 570.307+/-0.144 χ^2/NDF:773137.2/19

All: 582.398+/-0.108 χ^2/NDF: 1322657.7/35



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 77.264+/-83.553 χ^2/NDF:0.0/0

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

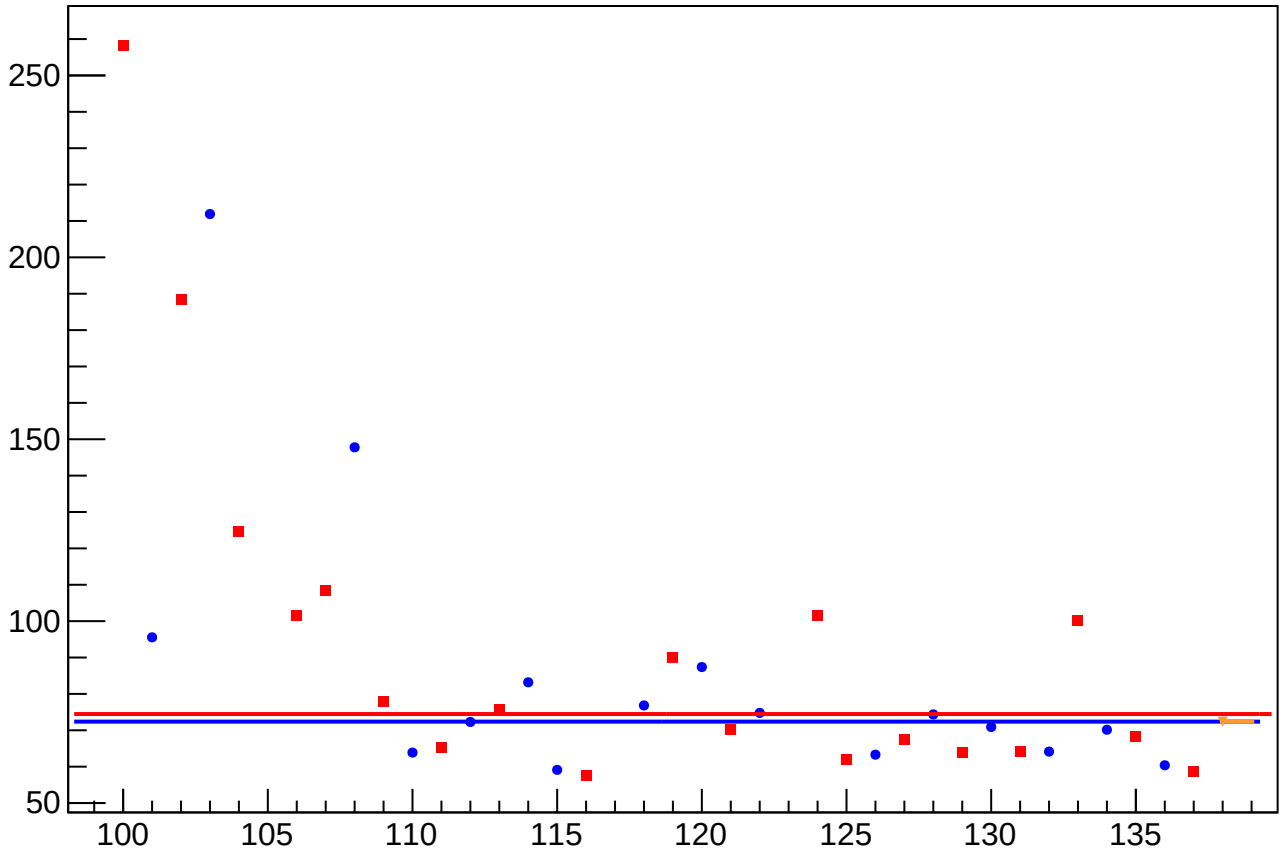
Left: 77.264+/-83.553 χ^2/NDF: 0.0/0

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: 50.840+/-28.316 χ^2/NDF:22.9/15

Out: 34.194+/-27.320 χ^2/NDF:18.8/19

All: 42.219+/-19.661 χ^2/NDF: 41.8/35



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 72.360+/-0.059 χ^2/NDF:0.0/0

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

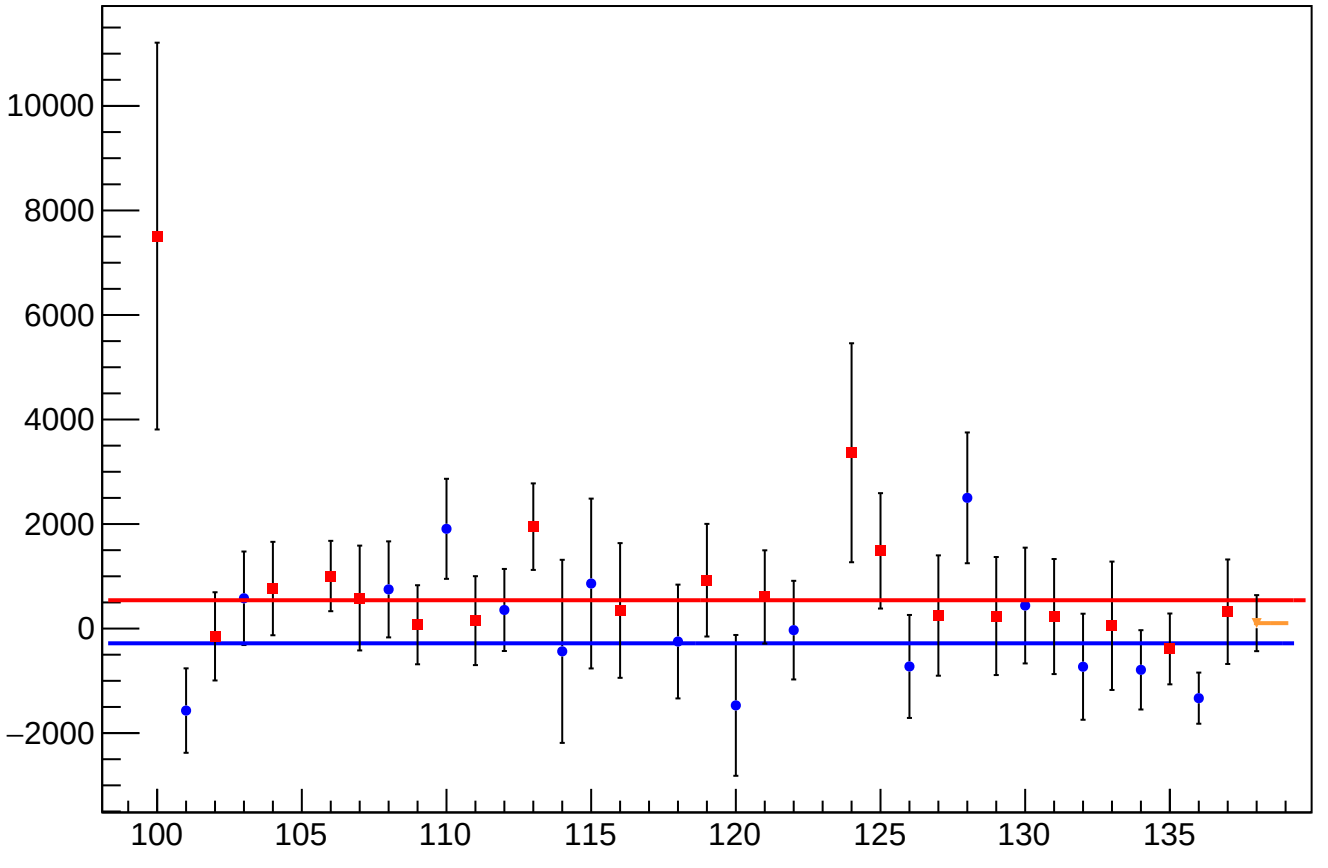
Left: 72.360+/-0.059 χ^2/NDF: 0.0/0

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 72.378+/-0.020 χ^2/NDF:938180.0/15

Out: 74.239+/-0.019 χ^2/NDF:1053422.0/19

All: 73.341+/-0.014 χ^2/NDF: 1996075.0/35



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: 103.768+/-536.085 χ^2/NDF:0.0/0

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

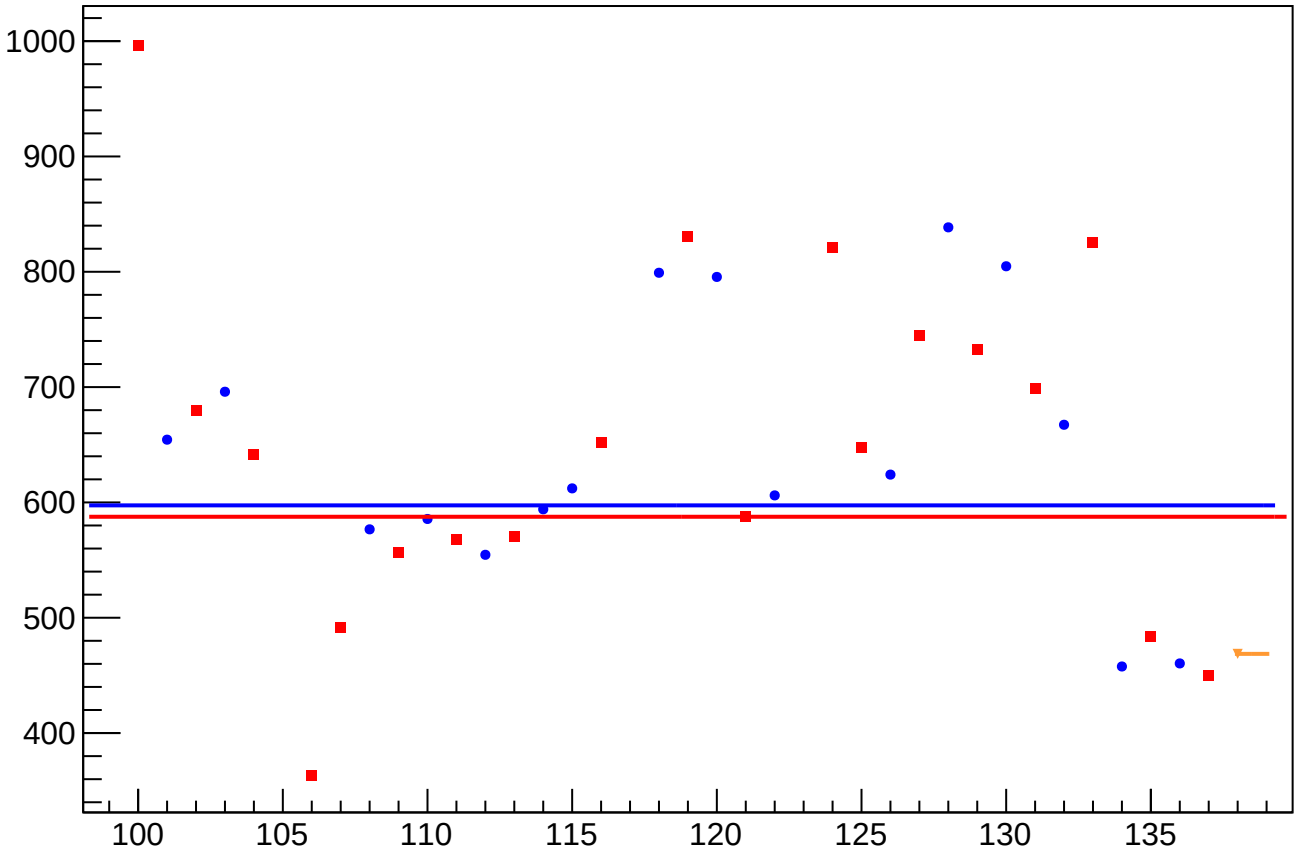
Left: 103.768+/-536.085 χ^2/NDF: 0.0/0

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: -282.038+/-227.789 χ^2/NDF:22.8/15

Out: 478.413+/-204.243 χ^2/NDF:13.8/19

All: 139.510+/-152.067 χ^2/NDF: 42.8/35



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 468.669+/-0.379 χ^2/NDF:0.0/0

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

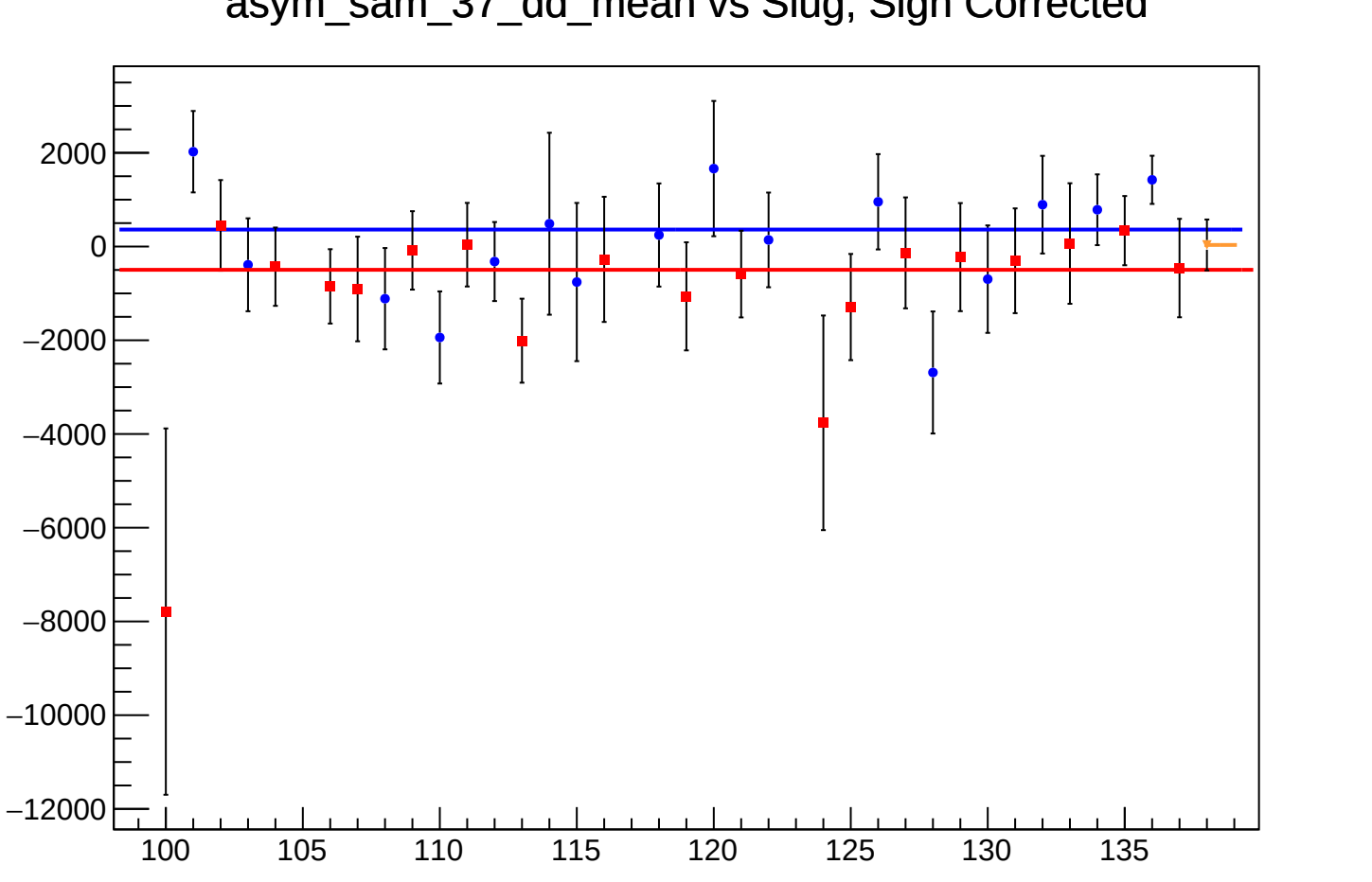
Left: 468.669+/-0.379 χ^2/NDF: 0.0/0

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

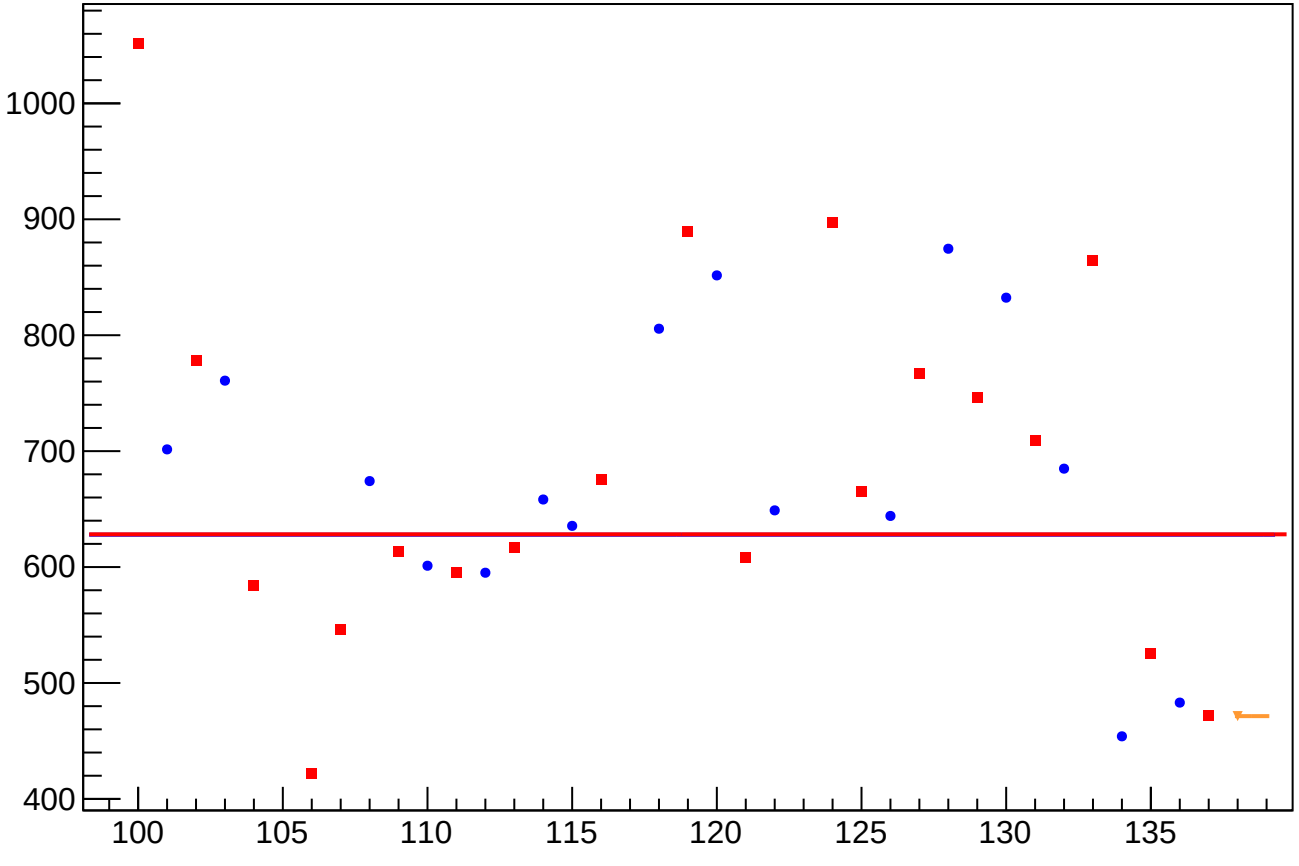
In: 597.439+/-0.161 χ^2/NDF:533790.1/15

Out: 570.307+/-0.144 χ^2/NDF:773131.8/19

All: 582.398+/-0.108 χ^2/NDF: 1322650.6/35


asym_sam_37_dd_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
105
110
115
120
125
130
135
Right In: 362.384+/-240.303 χ²/NDF: 25.1/15
Left Out: 33.845+/-543.009 χ²/NDF:0.0/0
Right Out: -496.639+/-236.029 χ²/NDF: 12.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 33.845+/-543.009 χ²/NDF: 0.0/0
Right: -74.835+/-168.388 χ²/NDF: 44.3/34
In: 362.384+/-240.303 χ²/NDF:25.1/15
Out: -412.339+/-216.464 χ²/NDF:13.5/19
All: -65.301+/-160.833 χ²/NDF: 44.3/35

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 471.410+/-0.384 χ^2/NDF:0.0/0

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

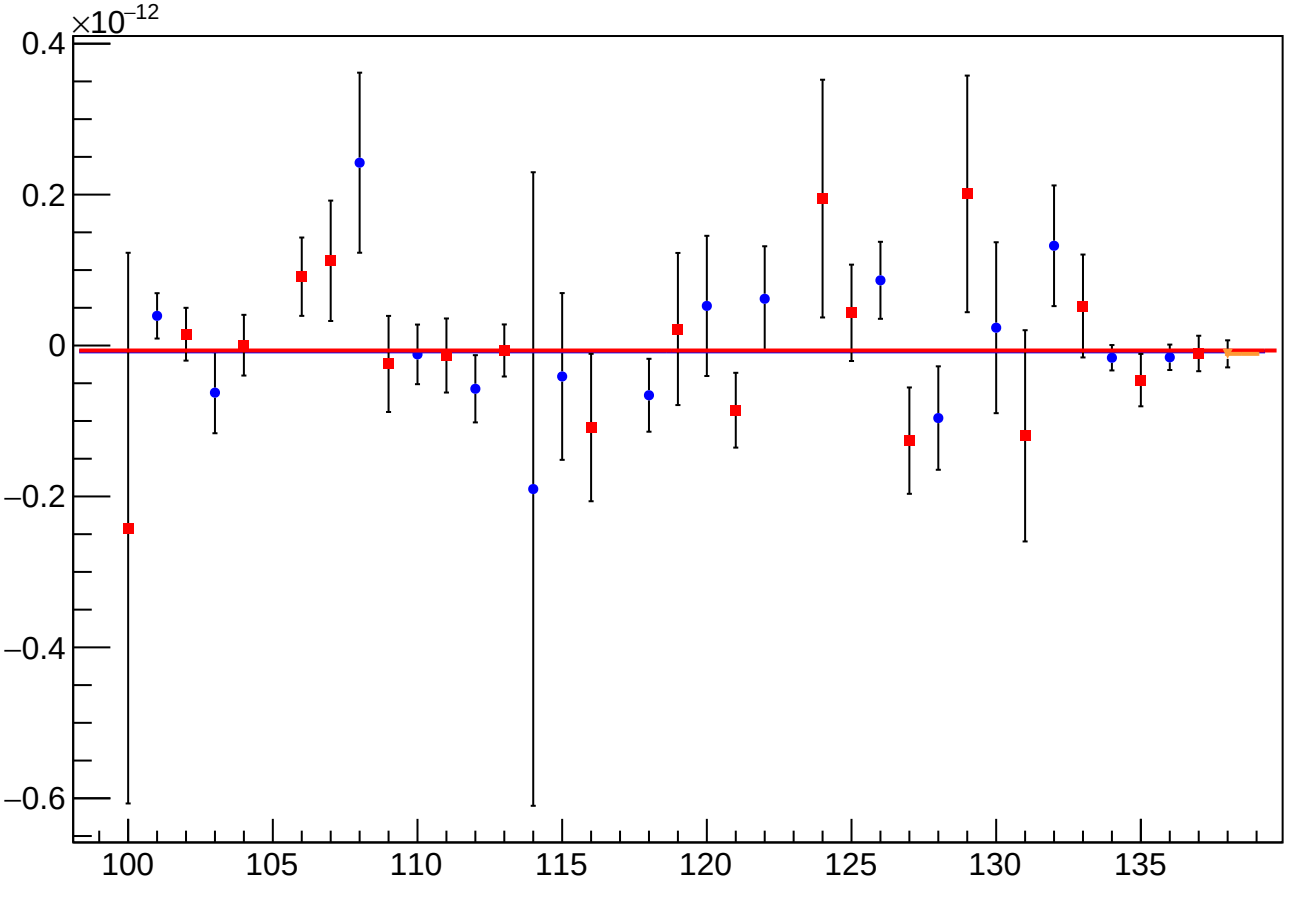
Left: 471.410+/-0.384 χ^2/NDF: 0.0/0

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 627.896+/-0.170 χ^2/NDF:566795.7/15

Out: 603.326+/-0.153 χ^2/NDF:711315.9/19

All: 614.332+/-0.114 χ^2/NDF: 1289654.0/35



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

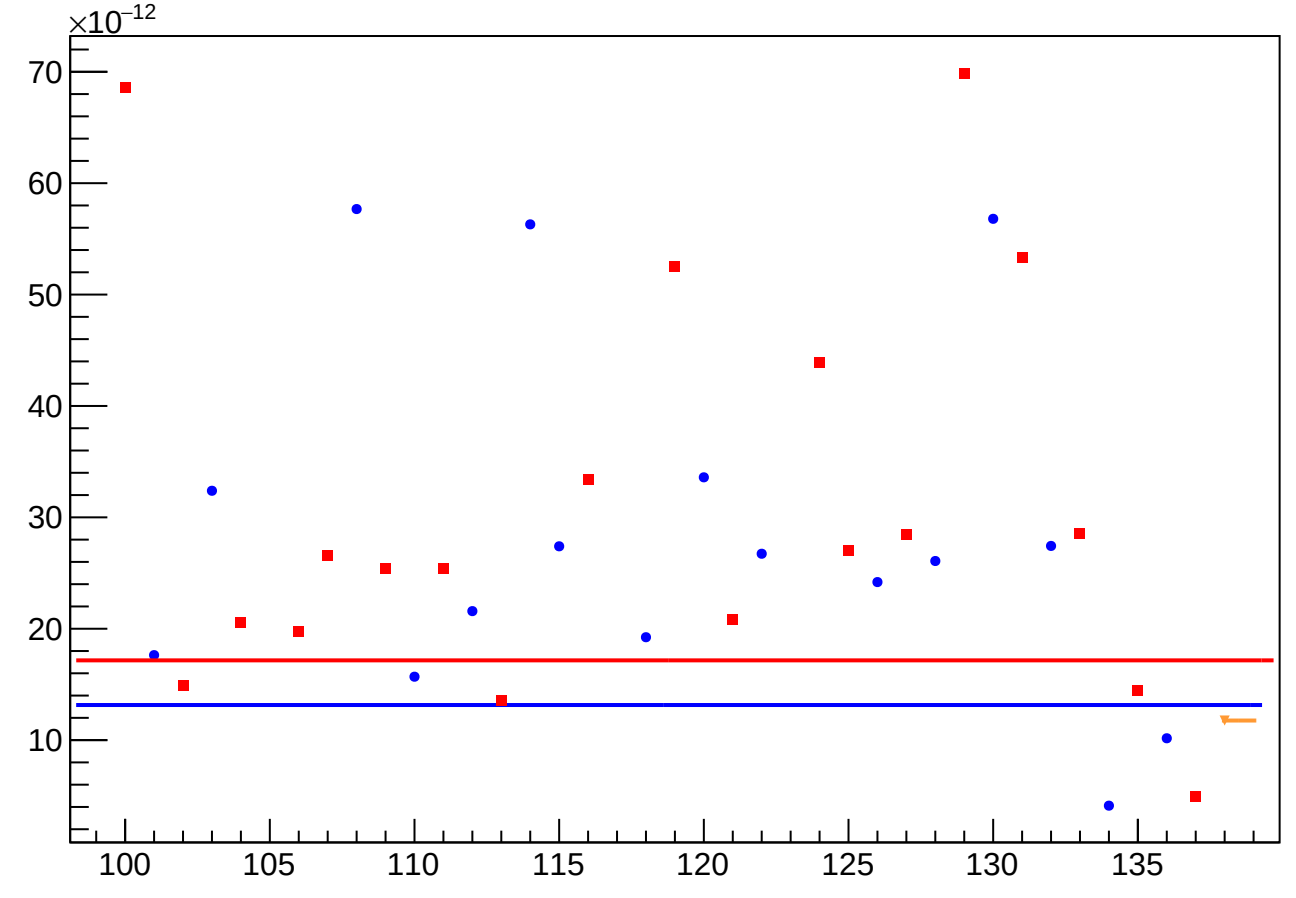
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:21.0/15

Out: -0.000+/-0.000 χ^2/NDF:20.0/19

All: -0.000+/-0.000 χ^2/NDF: 41.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

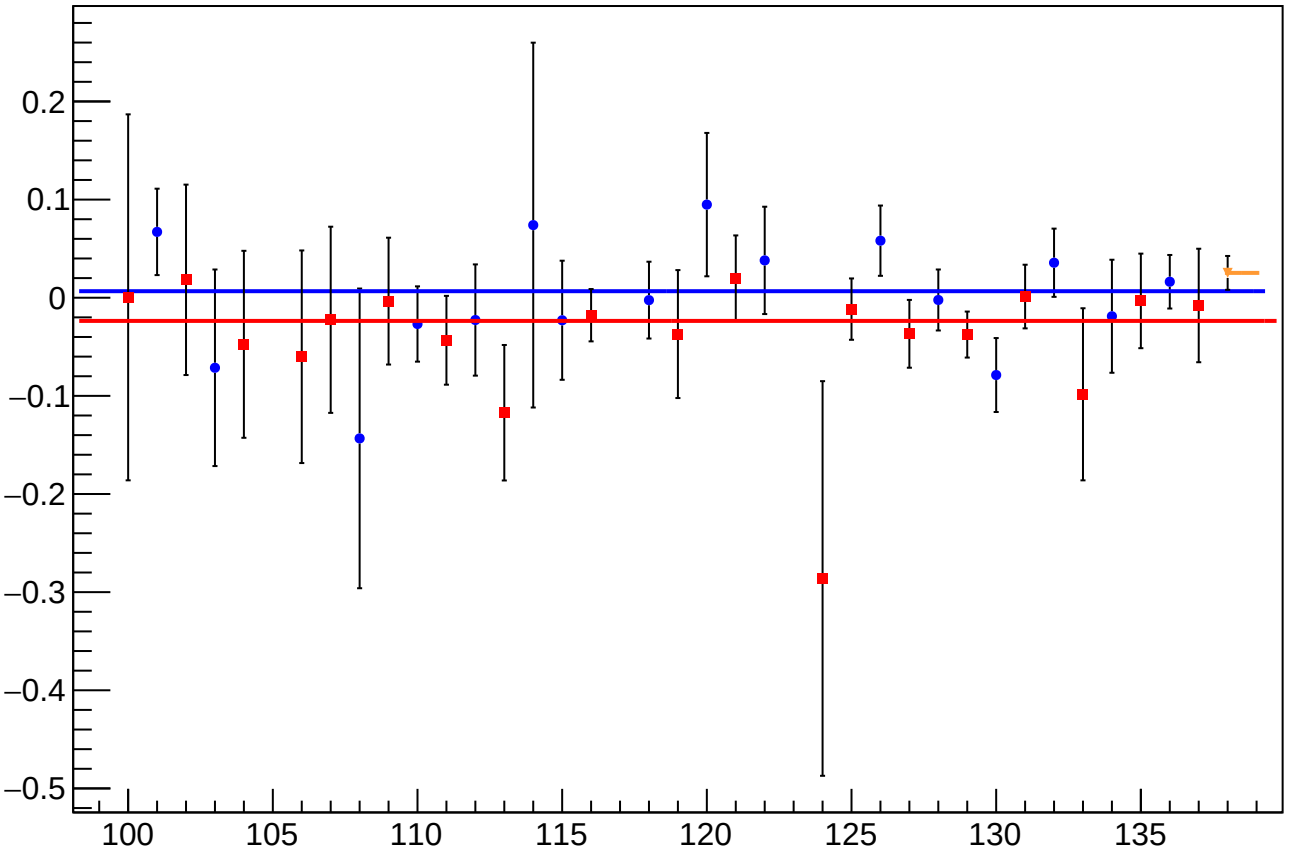
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3874616.1/34

In: 0.000+/-0.000 χ^2/NDF:2082875.3/15

Out: 0.000+/-0.000 χ^2/NDF:1774438.7/19

All: 0.000+/-0.000 χ^2/NDF: 3922192.7/35



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.025+/-0.017 χ^2/NDF:0.0/0

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.025+/-0.017 χ^2/NDF: 0.0/0

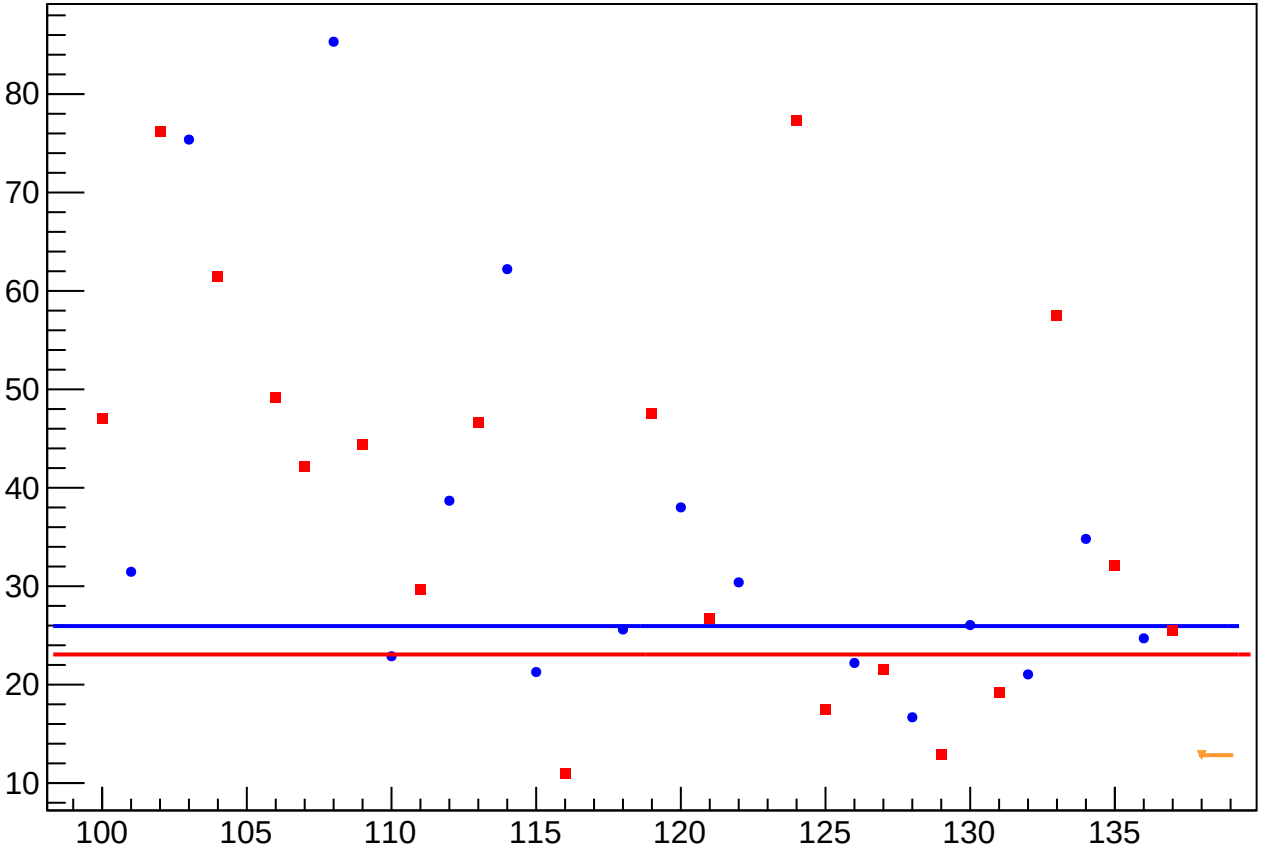
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: 0.007+/-0.011 χ^2/NDF:15.0/15

Out: -0.010+/-0.009 χ^2/NDF:13.4/19

All: -0.004+/-0.007 χ^2/NDF: 29.8/35

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.835+/-0.012 χ^2/NDF:0.0/0

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

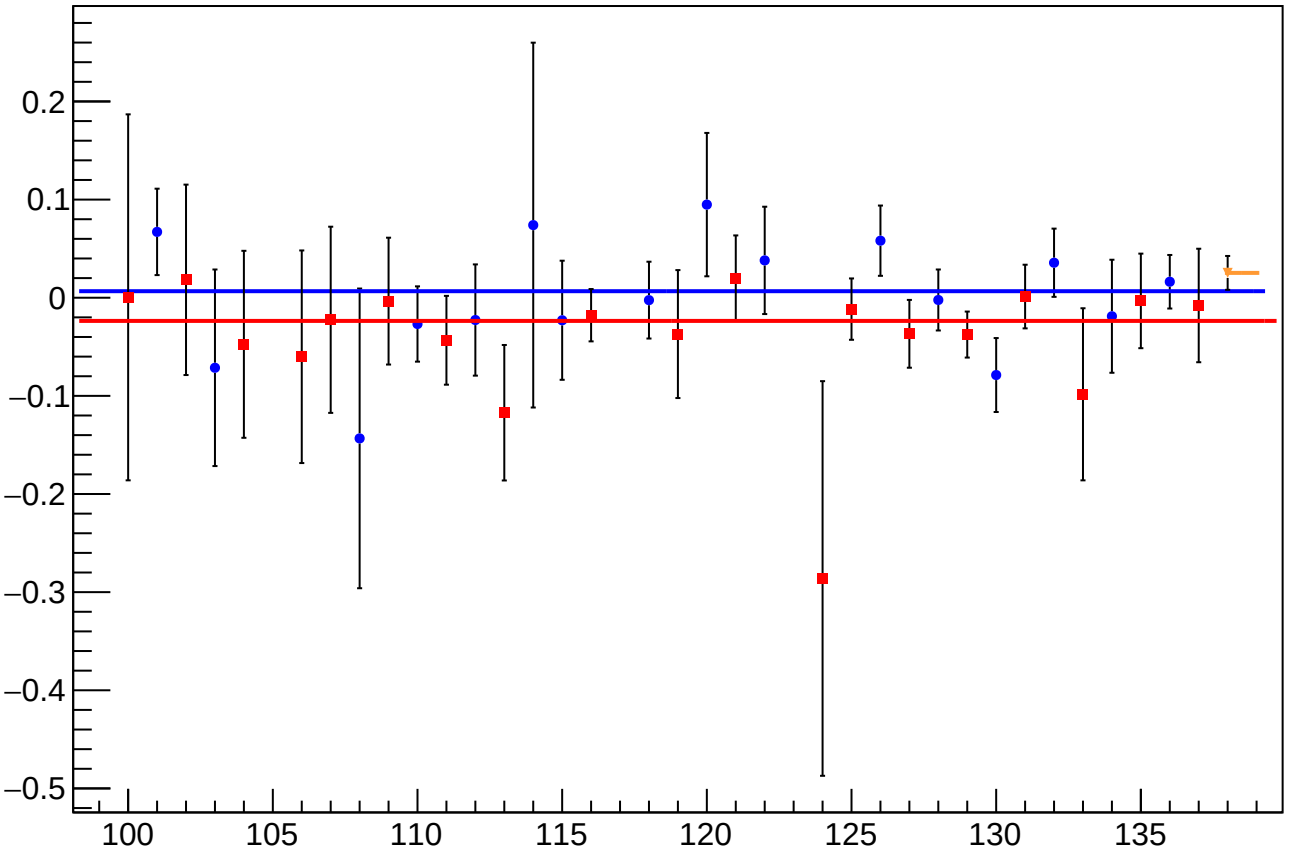
Left: 12.835+/-0.012 χ^2/NDF: 0.0/0

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 25.949+/-0.008 χ^2/NDF:1381638.3/15

Out: 20.299+/-0.006 χ^2/NDF:3873942.7/19

All: 22.532+/-0.005 χ^2/NDF: 5569018.6/35



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.025+/-0.017 χ^2/NDF:0.0/0

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

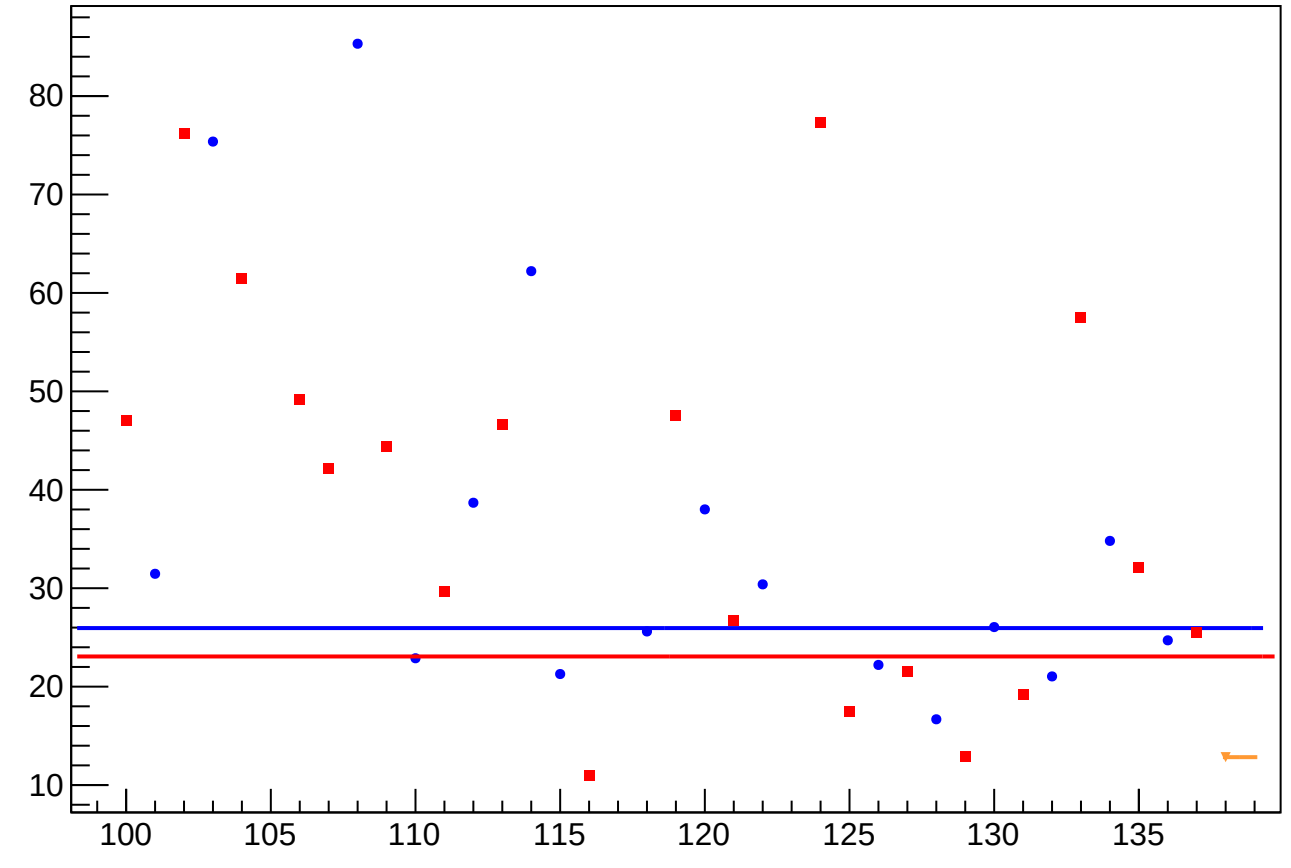
Left: 0.025+/-0.017 χ^2/NDF: 0.0/0

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: 0.007+/-0.011 χ^2/NDF:15.0/15

Out: -0.010+/-0.009 χ^2/NDF:13.4/19

All: -0.004+/-0.007 χ^2/NDF: 29.8/35



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.835+/-0.012 χ^2/NDF:0.0/0

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

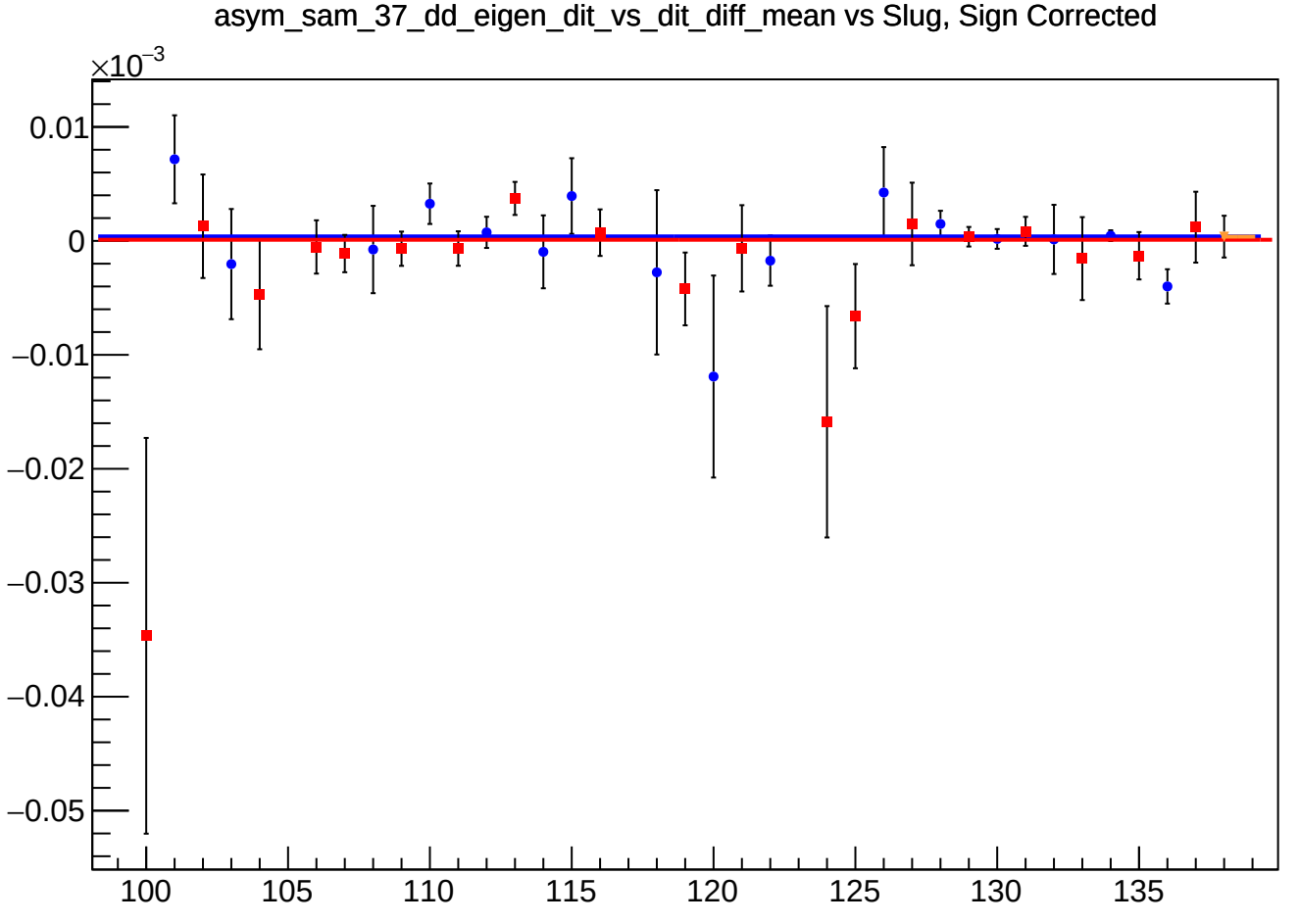
Left: 12.835+/-0.012 χ^2/NDF: 0.0/0

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 25.949+/-0.008 χ^2/NDF:1381638.3/15

Out: 20.299+/-0.006 χ^2/NDF:3873942.7/19

All: 22.532+/-0.005 χ^2/NDF: 5569018.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

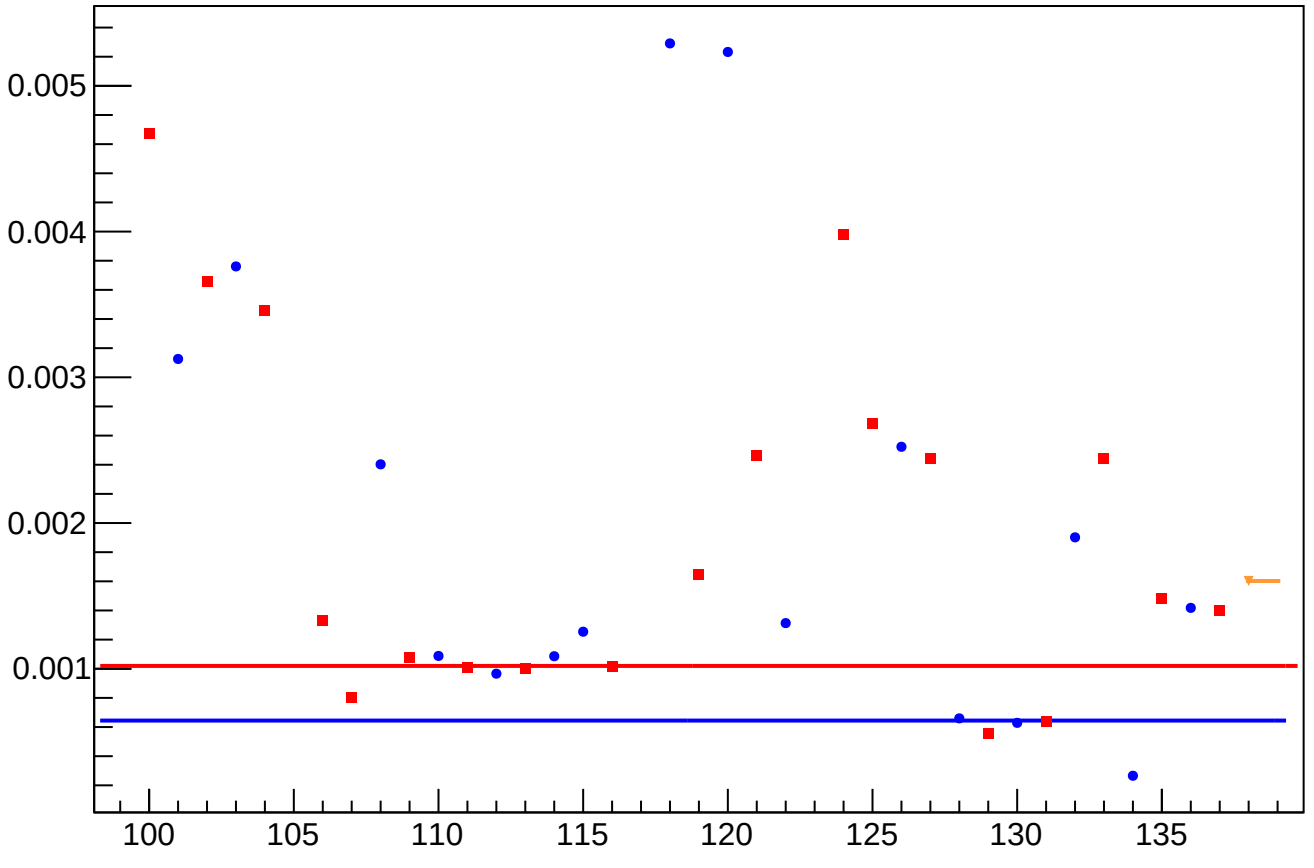
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:20.9/15

Out: 0.000+/-0.000 χ^2/NDF:20.5/19

All: 0.000+/-0.000 χ^2/NDF: 41.6/35



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

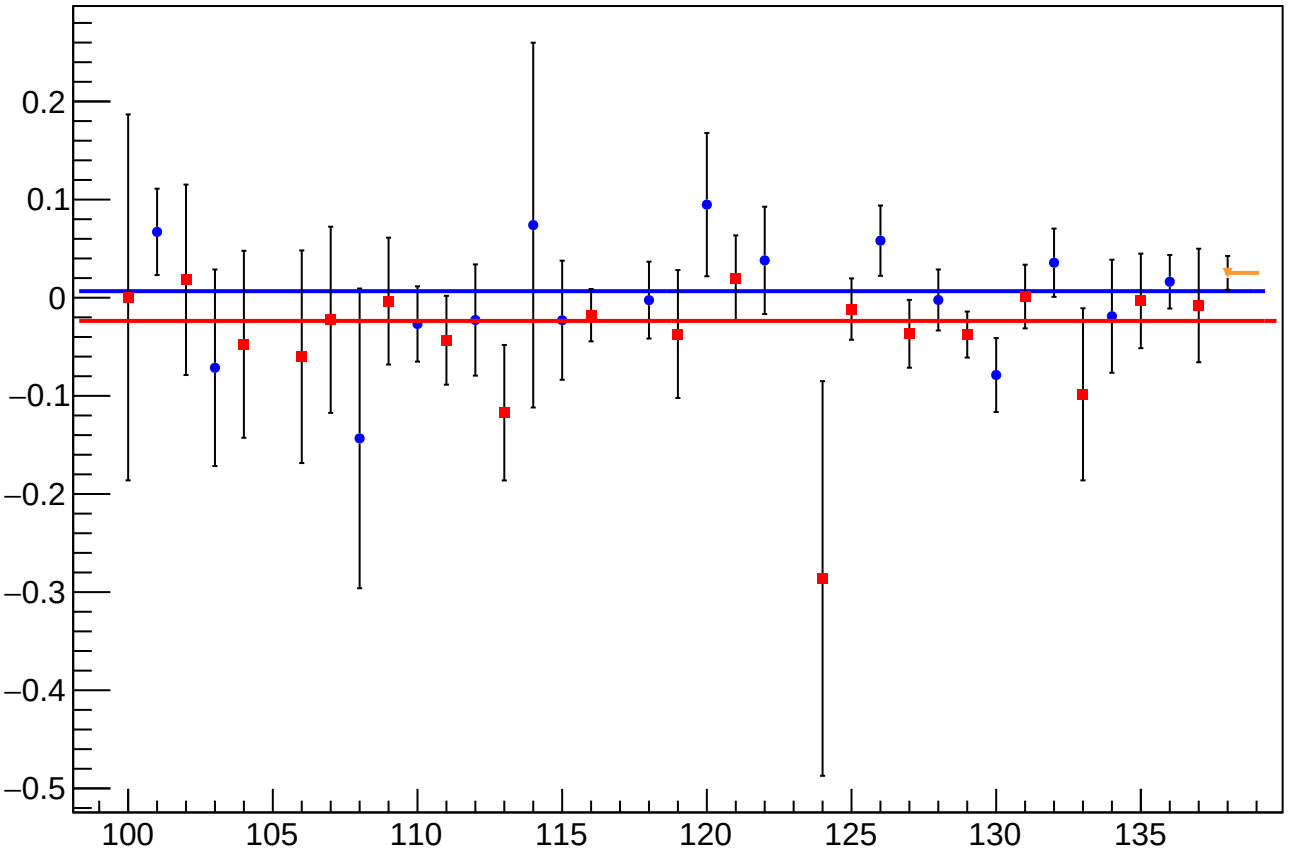
Left: 0.002+/-0.000 χ^2/NDF: 0.0/0

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:6575652.3/15

Out: 0.001+/-0.000 χ^2/NDF:3853118.3/19

All: 0.001+/-0.000 χ^2/NDF: 11514432.8/35



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.025+/-0.017 χ^2/NDF:0.0/0

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

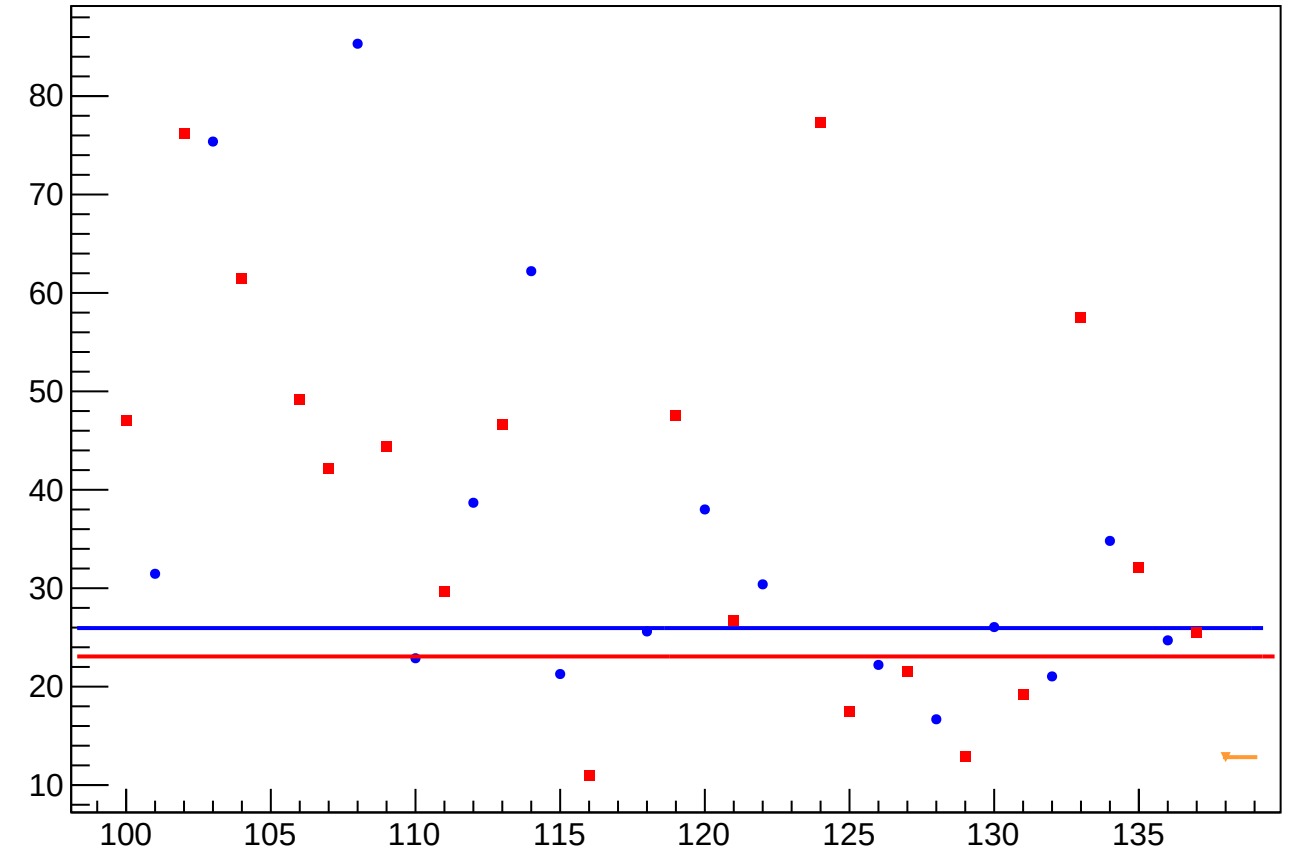
Left: 0.025+/-0.017 χ^2/NDF: 0.0/0

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: 0.007+/-0.011 χ^2/NDF:15.0/15

Out: -0.010+/-0.009 χ^2/NDF:13.4/19

All: -0.004+/-0.007 χ^2/NDF: 29.8/35



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.836+/-0.012 χ^2/NDF:0.0/0

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 12.836+/-0.012 χ^2/NDF: 0.0/0

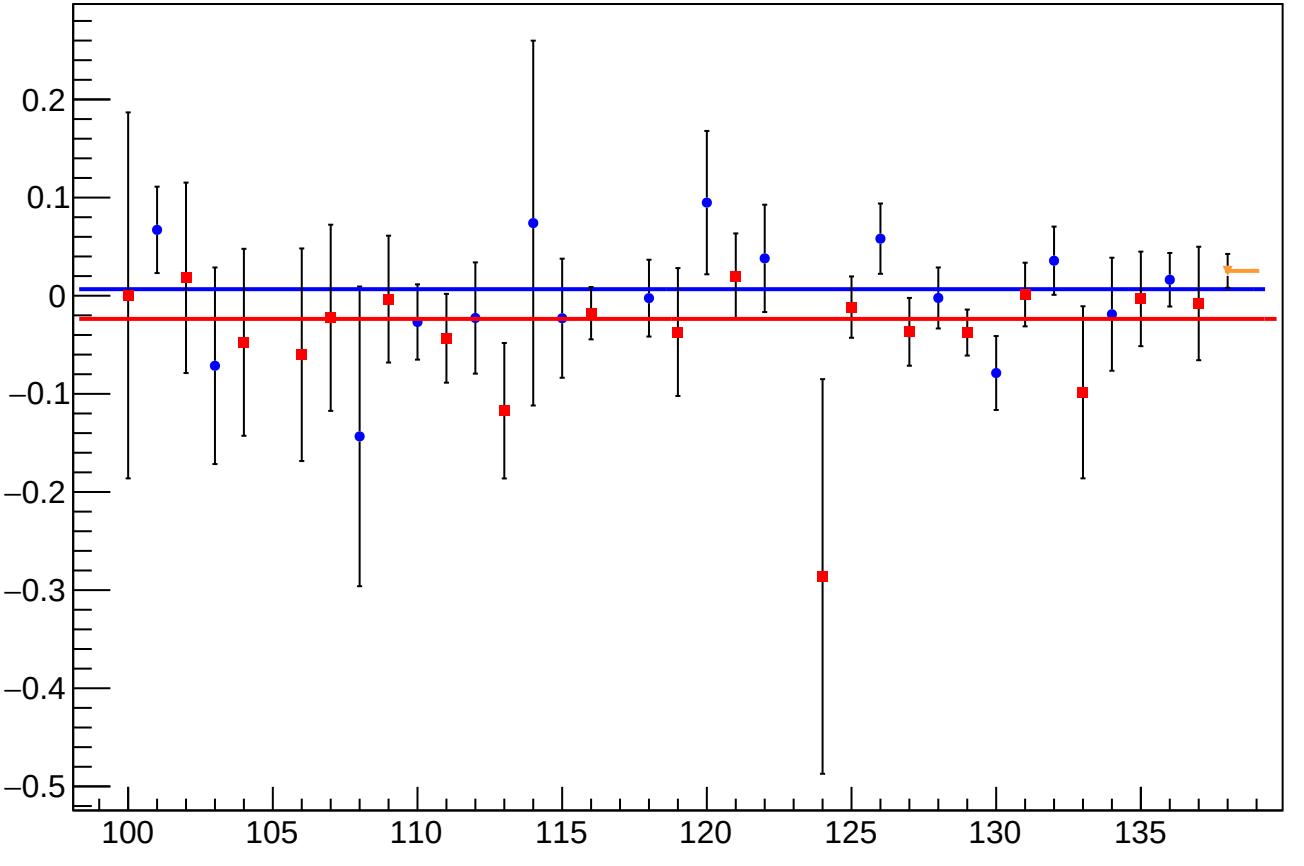
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 25.950+/-0.008 χ^2/NDF:1381591.4/15

Out: 20.300+/-0.006 χ^2/NDF:3873726.8/19

All: 22.532+/-0.005 χ^2/NDF: 5568717.5/35

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.025+/-0.017 χ^2/NDF:0.0/0

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.025+/-0.017 χ^2/NDF: 0.0/0

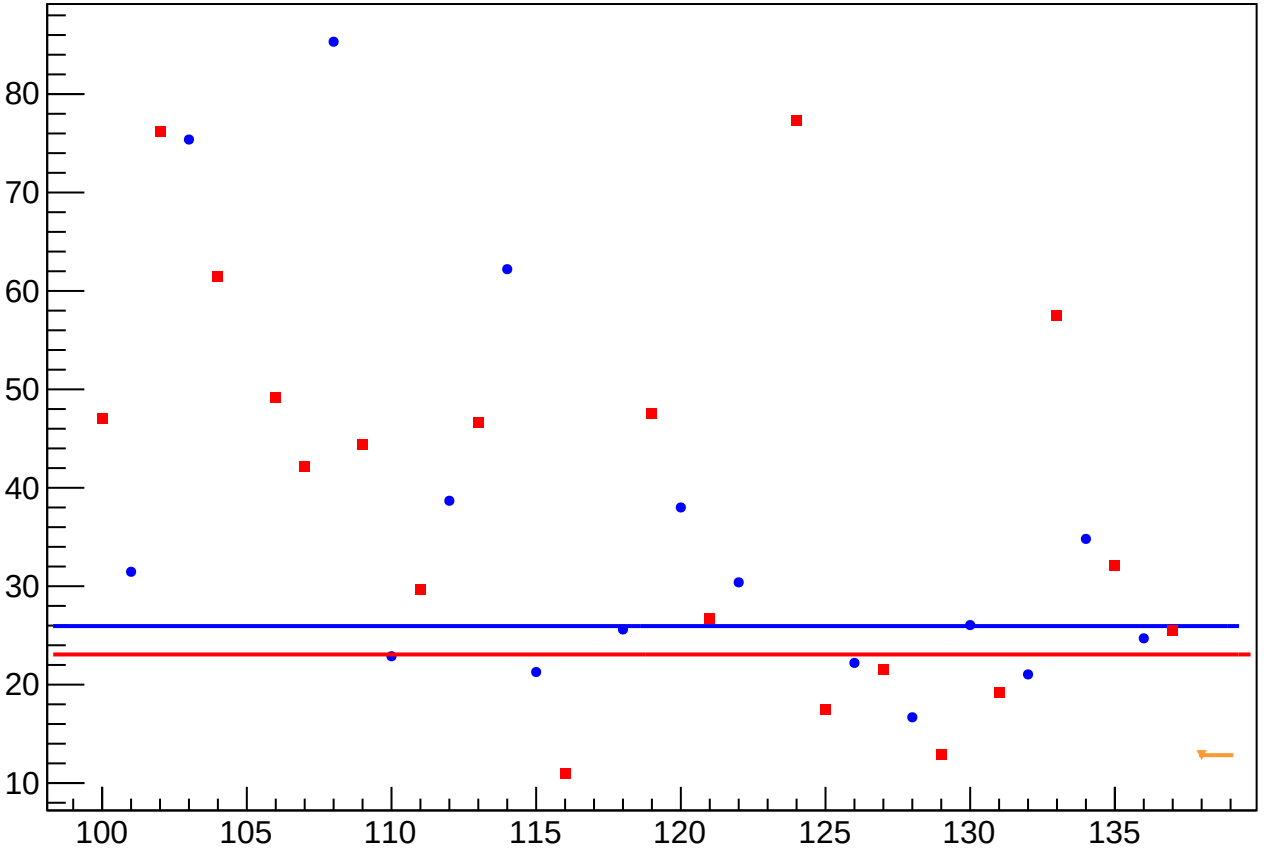
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: 0.007+/-0.011 χ^2/NDF:15.0/15

Out: -0.010+/-0.009 χ^2/NDF:13.4/19

All: -0.004+/-0.007 χ^2/NDF: 29.8/35

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: 12.836+/-0.012 χ^2/NDF:0.0/0

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

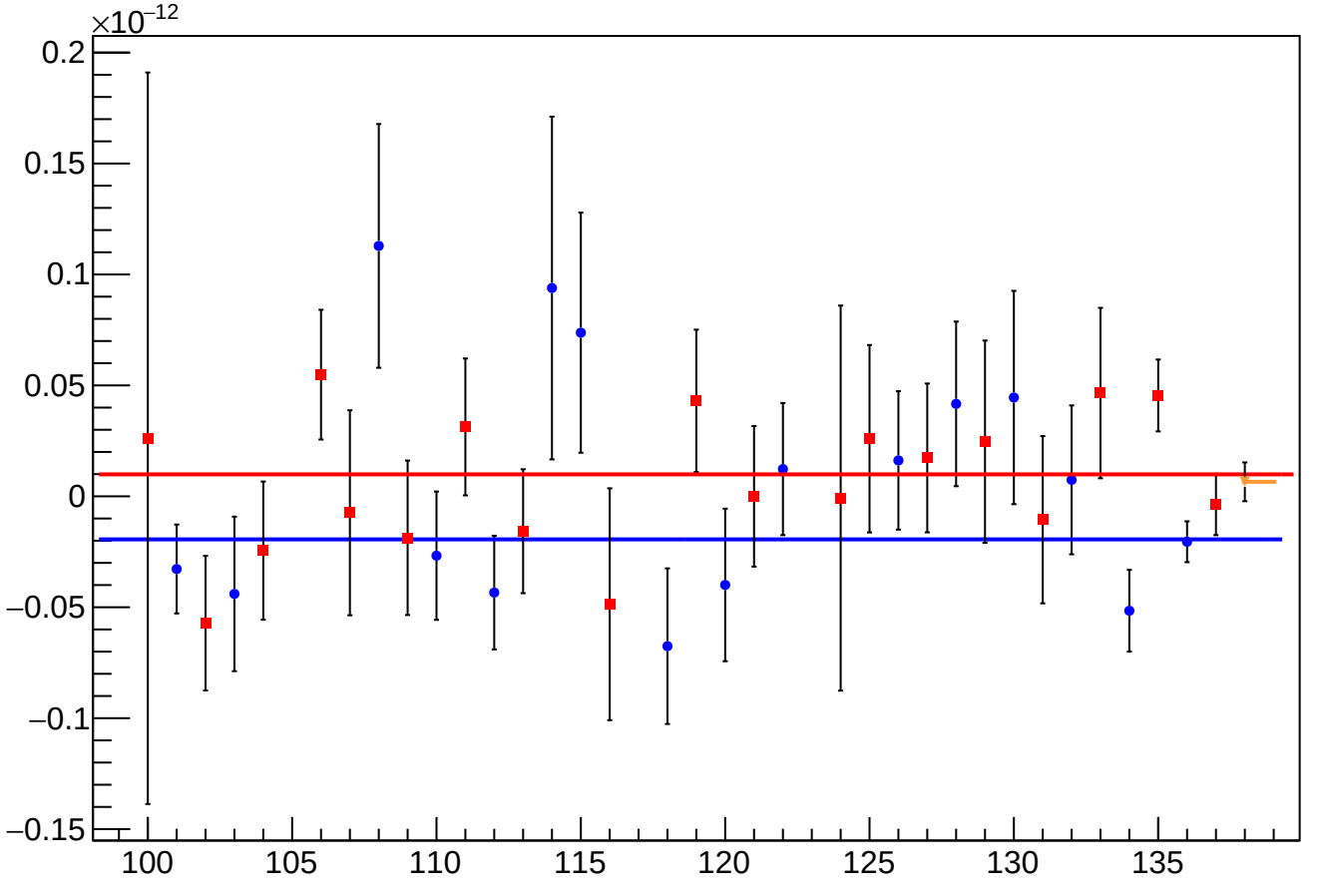
Left: 12.836+/-0.012 χ^2/NDF: 0.0/0

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 25.950+/-0.008 χ^2/NDF:1381591.4/15

Out: 20.300+/-0.006 χ^2/NDF:3873726.8/19

All: 22.532+/-0.005 χ^2/NDF: 5568717.5/35



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

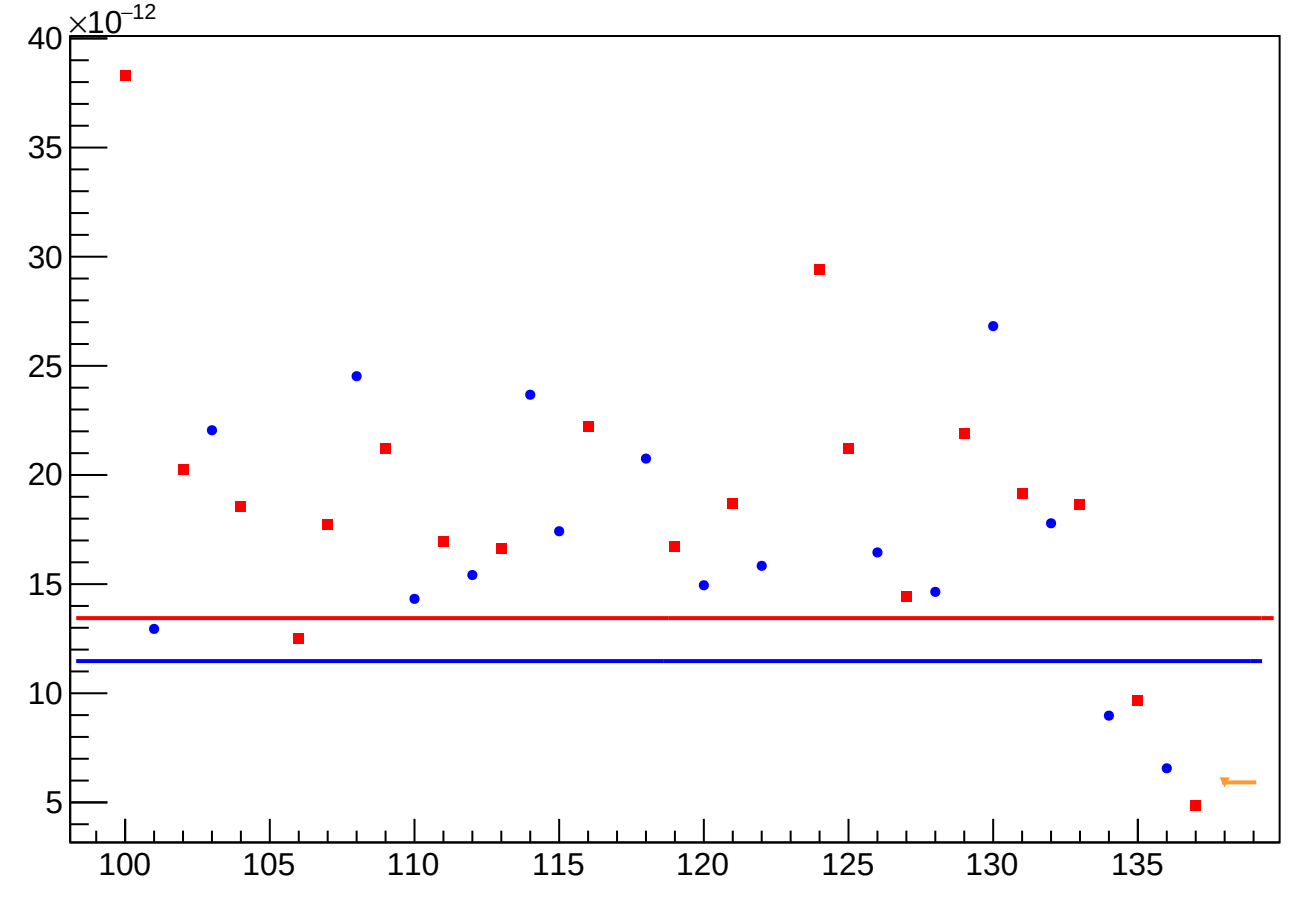
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:25.7/15

Out: 0.000+/-0.000 χ^2/NDF:20.4/19

All: -0.000+/-0.000 χ^2/NDF: 58.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

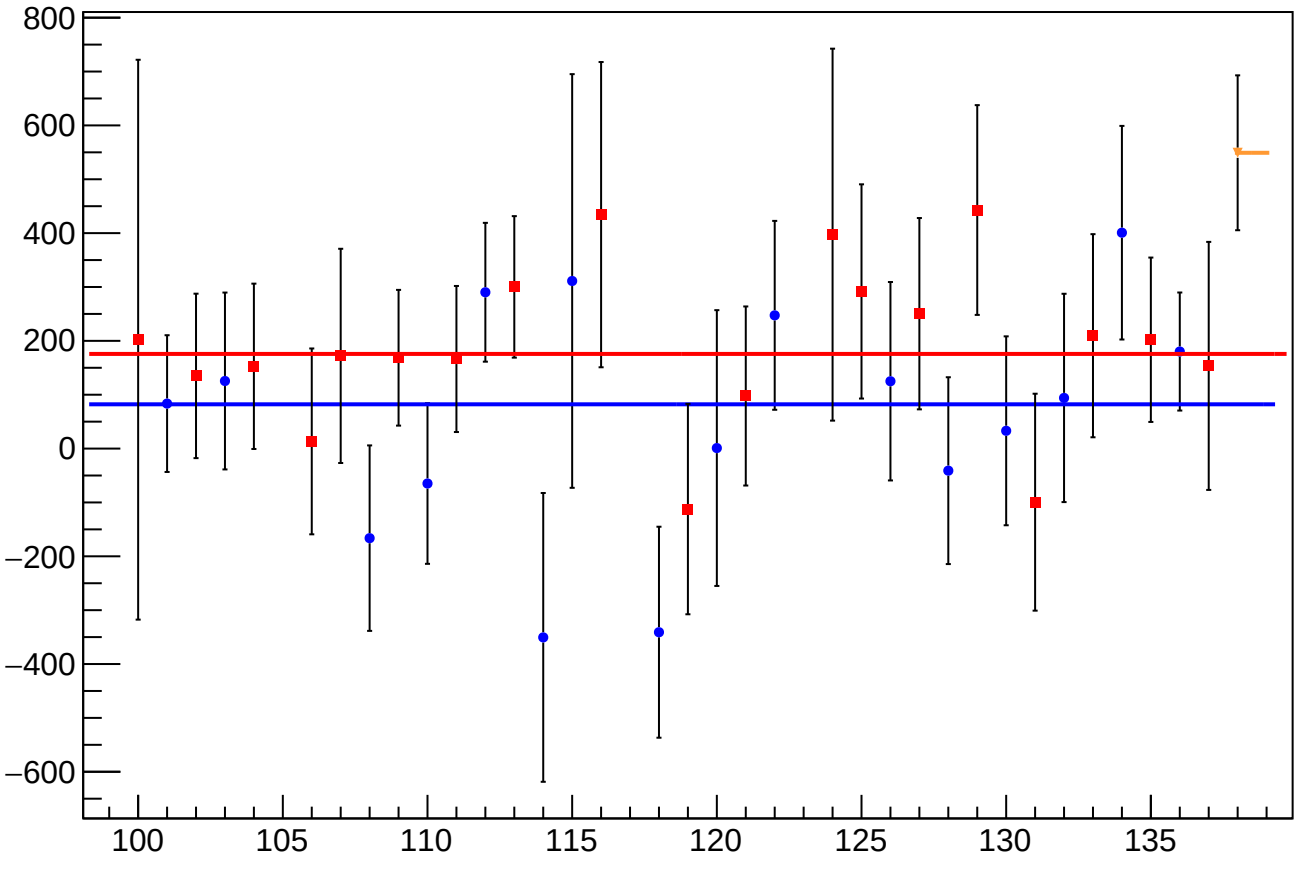
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:1598593.9/15

Out: 0.000+/-0.000 χ^2/NDF:2598844.2/19

All: 0.000+/-0.000 χ^2/NDF: 4220015.8/35



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 549.160+/-143.787 χ^2/NDF:0.0/0

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

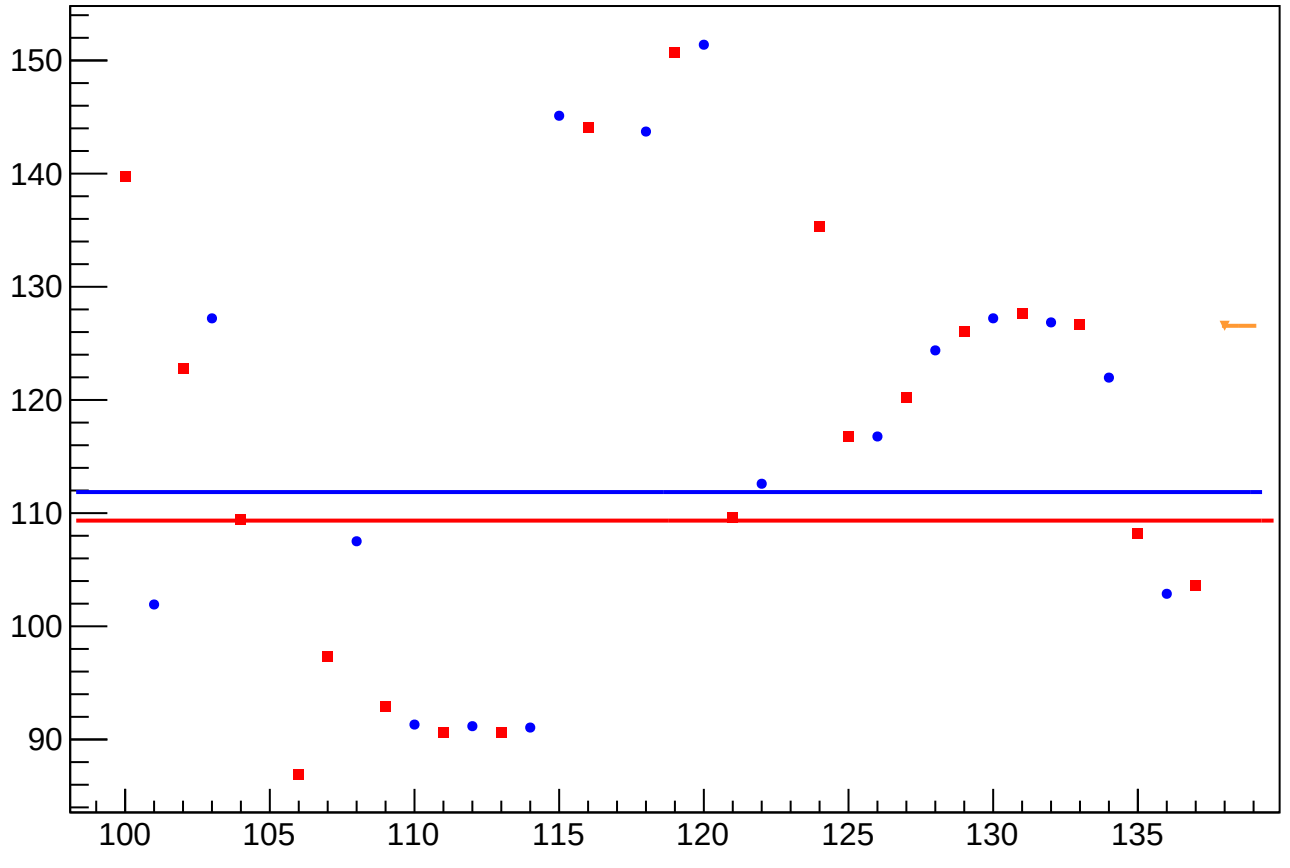
Left: 549.160+/-143.787 χ^2/NDF: 0.0/0

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 82.196+/-42.133 χ^2/NDF:18.4/15

Out: 203.398+/-39.137 χ^2/NDF:16.1/19

All: 147.259+/-28.675 χ^2/NDF: 38.9/35



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 126.554+/-0.102 χ^2/NDF:0.0/0

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 126.554+/-0.102 χ^2/NDF: 0.0/0

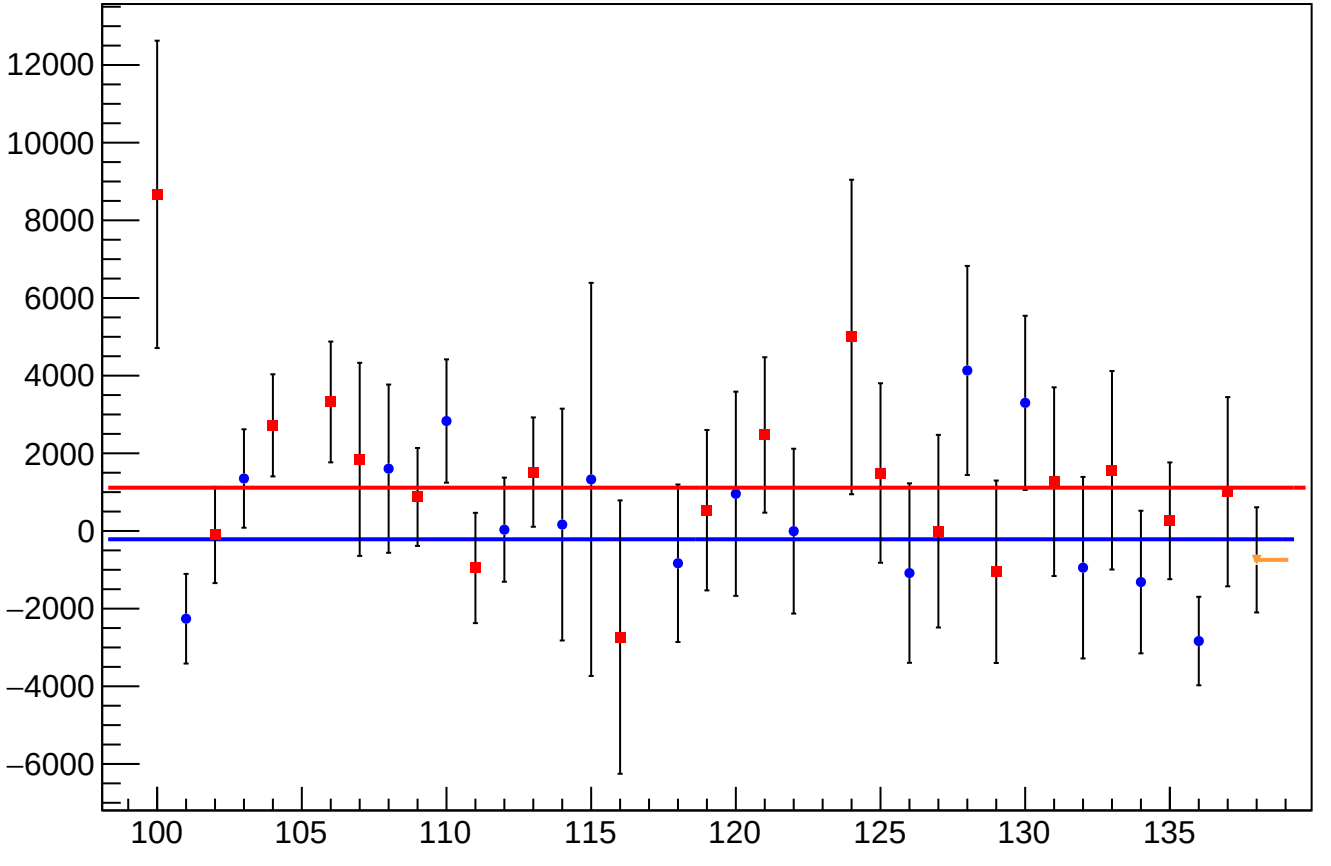
Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 111.862+/-0.030 χ^2/NDF:306023.8/15

Out: 110.616+/-0.028 χ^2/NDF:393759.6/19

All: 111.193+/-0.020 χ^2/NDF: 700723.1/35

asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -744.085+/-1354.294 χ^2/NDF:0.0/0

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

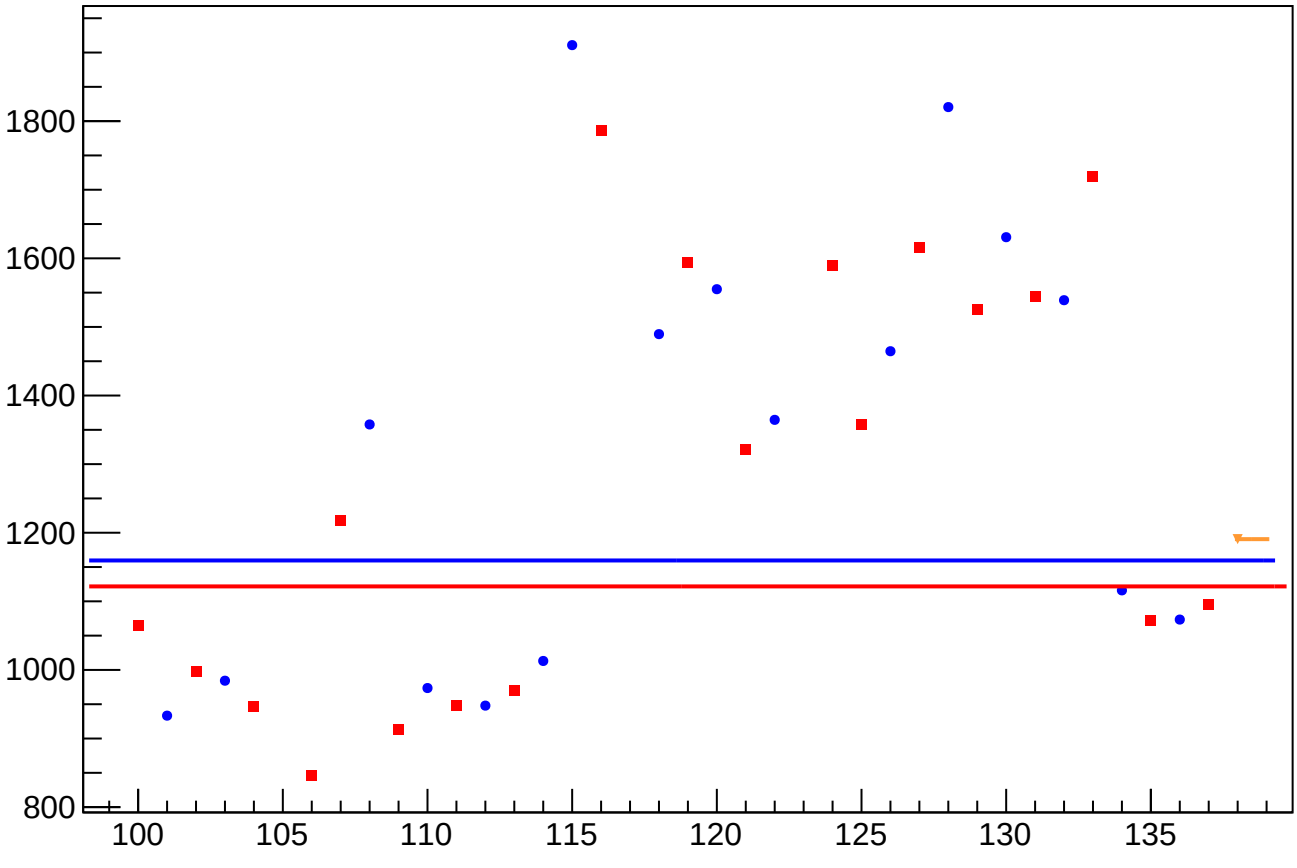
Left: -744.085+/-1354.294 χ^2/NDF: 0.0/0

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: -214.187+/-443.962 χ^2/NDF:20.4/15

Out: 949.455+/-403.797 χ^2/NDF:16.2/19

All: 422.641+/-298.720 χ^2/NDF: 40.4/35



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 1190.647+/-0.958 χ^2/NDF:0.0/0

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

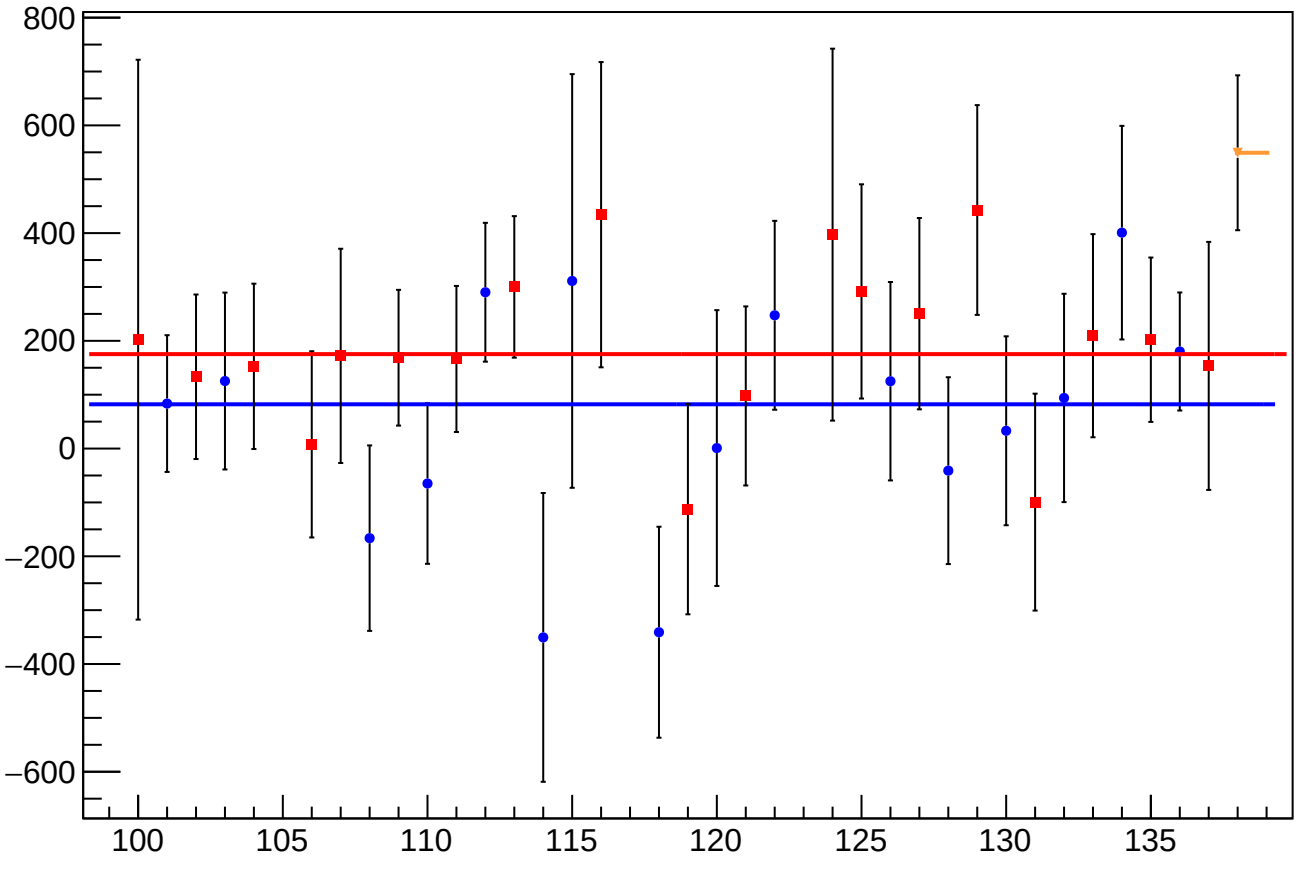
Left: 1190.647+/-0.958 χ^2/NDF: 0.0/0

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1159.567+/-0.314 χ^2/NDF:683693.3/15

Out: 1127.877+/-0.286 χ^2/NDF:786989.0/19

All: 1142.224+/-0.211 χ^2/NDF: 1476259.2/35



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 549.148+/-143.787 χ^2/NDF:0.0/0

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

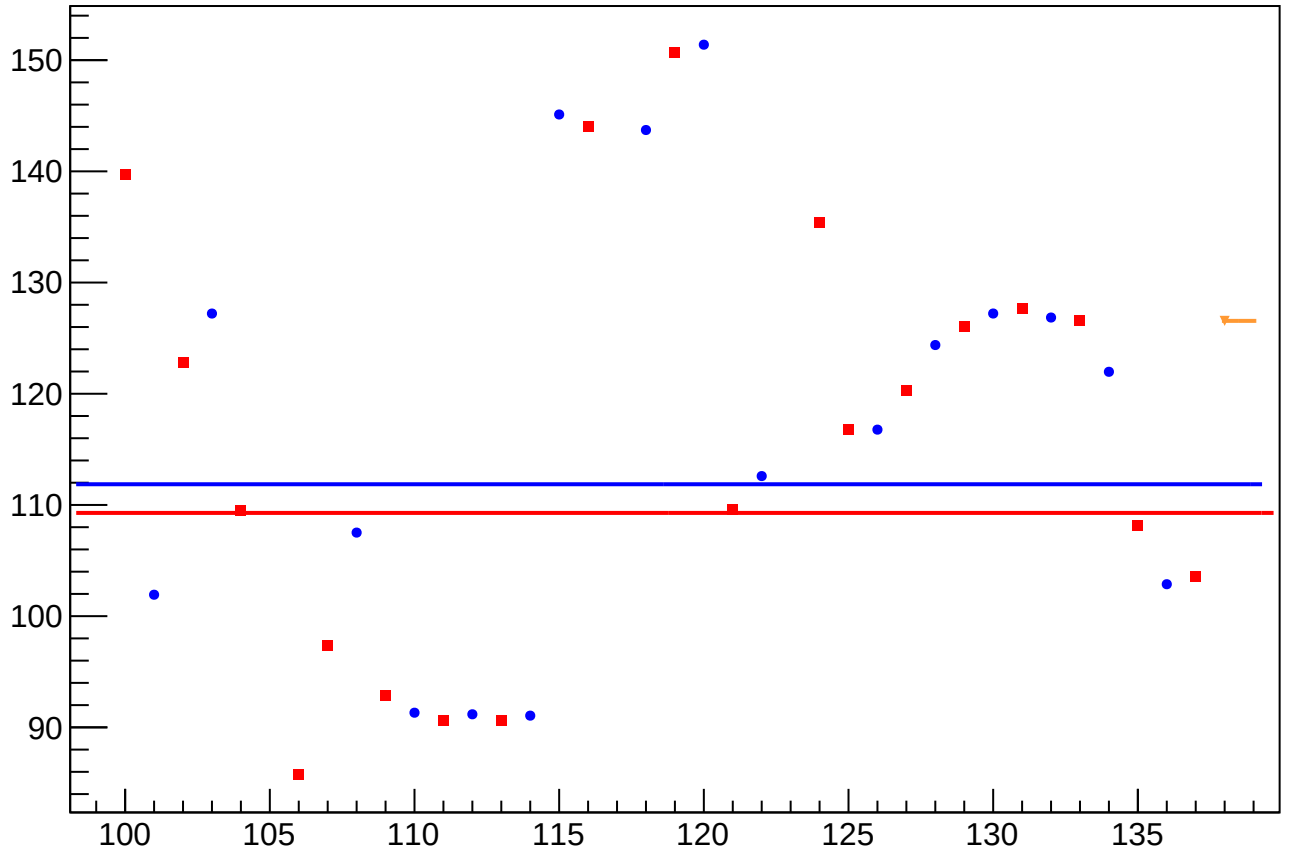
Left: 549.148+/-143.787 χ^2/NDF: 0.0/0

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 82.185+/-42.133 χ^2/NDF:18.4/15

Out: 203.040+/-39.142 χ^2/NDF:16.2/19

All: 147.054+/-28.677 χ^2/NDF: 39.0/35



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 126.554+/-0.102 χ^2/NDF:0.0/0

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

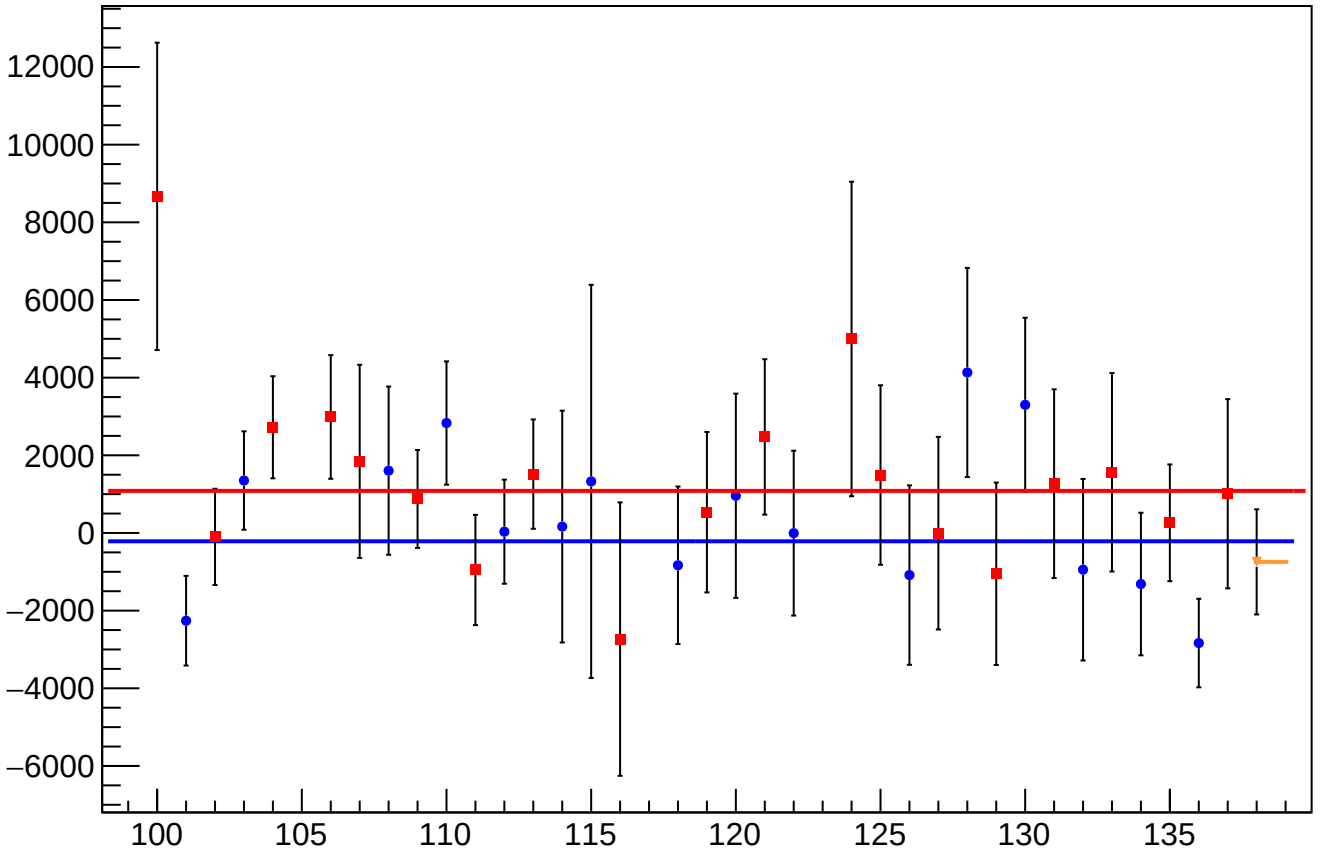
Left: 126.554+/-0.102 χ^2/NDF: 0.0/0

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 111.862+/-0.030 χ^2/NDF:306025.0/15

Out: 110.564+/-0.028 χ^2/NDF:397424.1/19

All: 111.165+/-0.020 χ^2/NDF: 704468.2/35



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -744.099+/-1354.294 χ^2/NDF:0.0/0

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

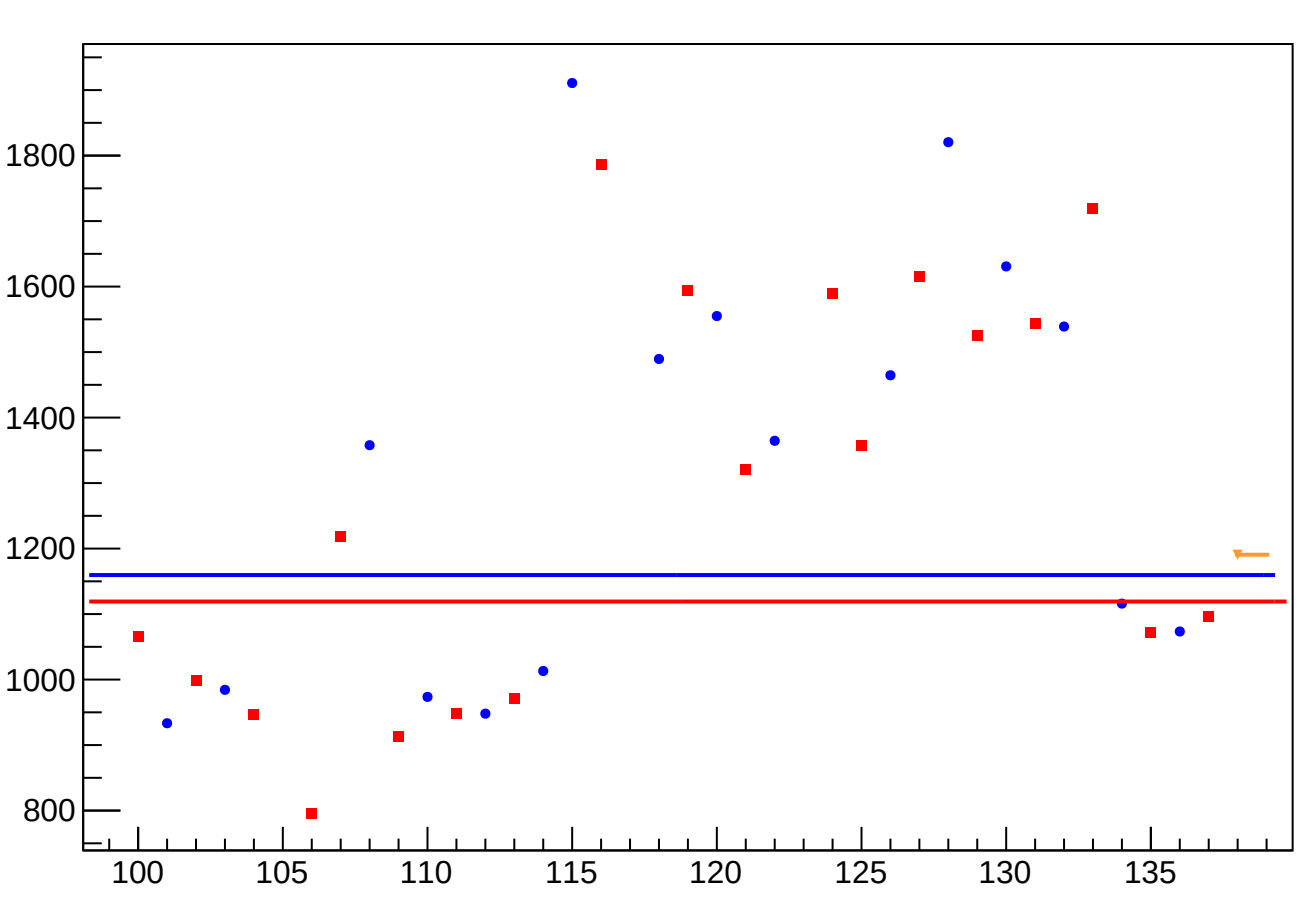
Left: -744.099+/-1354.294 χ^2/NDF: 0.0/0

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: -214.278+/-443.965 χ^2/NDF:20.4/15

Out: 920.915+/-404.437 χ^2/NDF:15.5/19

All: 406.095+/-298.980 χ^2/NDF: 39.6/35



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 1190.647+/-0.958 χ^2/NDF:0.0/0

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

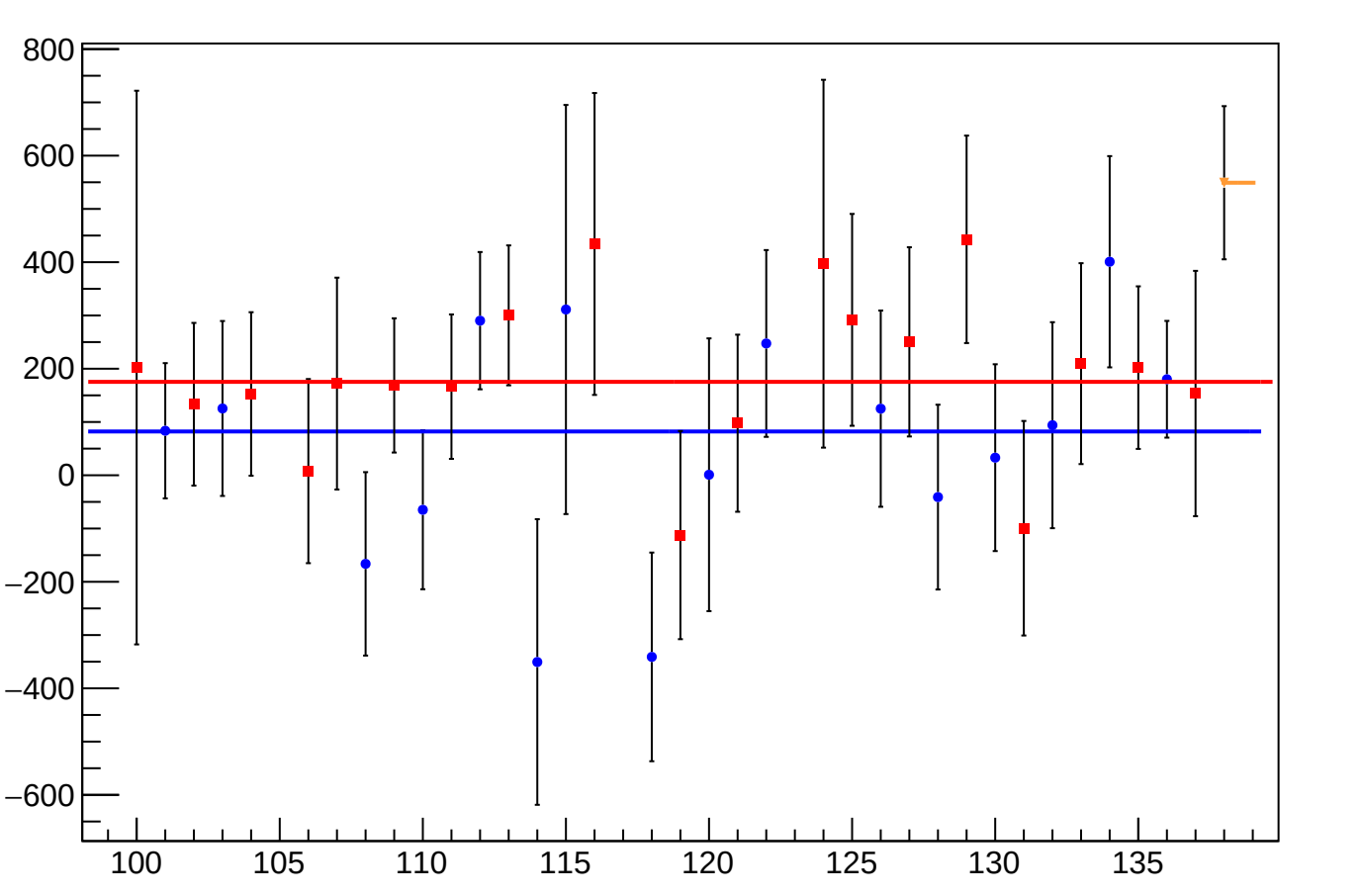
Left: 1190.647+/-0.958 χ^2/NDF: 0.0/0

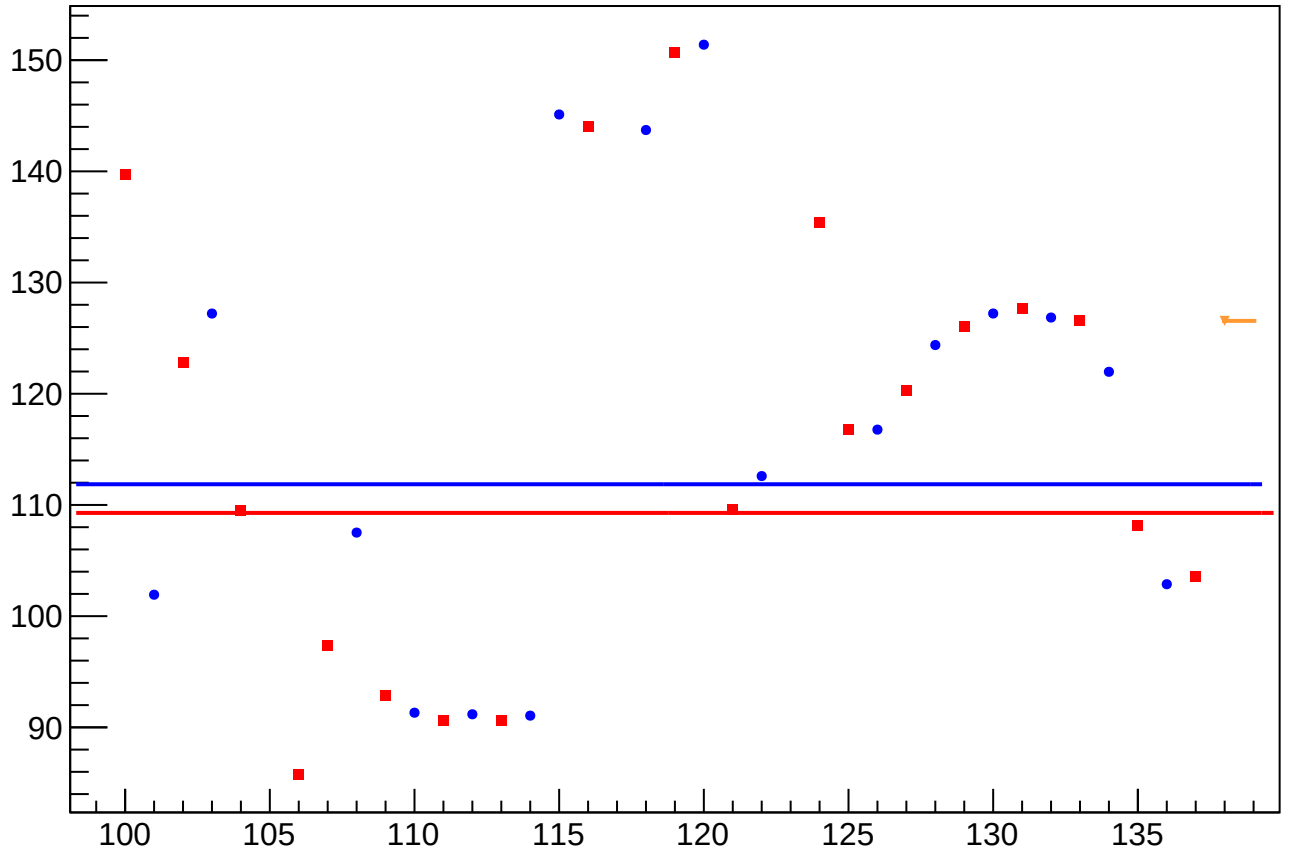
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1159.576+/-0.314 χ^2/NDF:683662.2/15

Out: 1125.531+/-0.286 χ^2/NDF:808230.8/19

All: 1140.971+/-0.211 χ^2/NDF: 1498320.2/35


eigen_cor_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
105
110
115
120
125
130
135
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 549.148+/-143.787 χ²/NDF:0.0/0
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 549.148+/-143.787 χ²/NDF: 0.0/0
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 82.185+/-42.133 χ²/NDF:18.4/15
Out: 203.040+/-39.142 χ²/NDF:16.2/19
All: 147.054+/-28.677 χ²/NDF: 39.0/35



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 126.554+/-0.102 χ^2/NDF:0.0/0

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

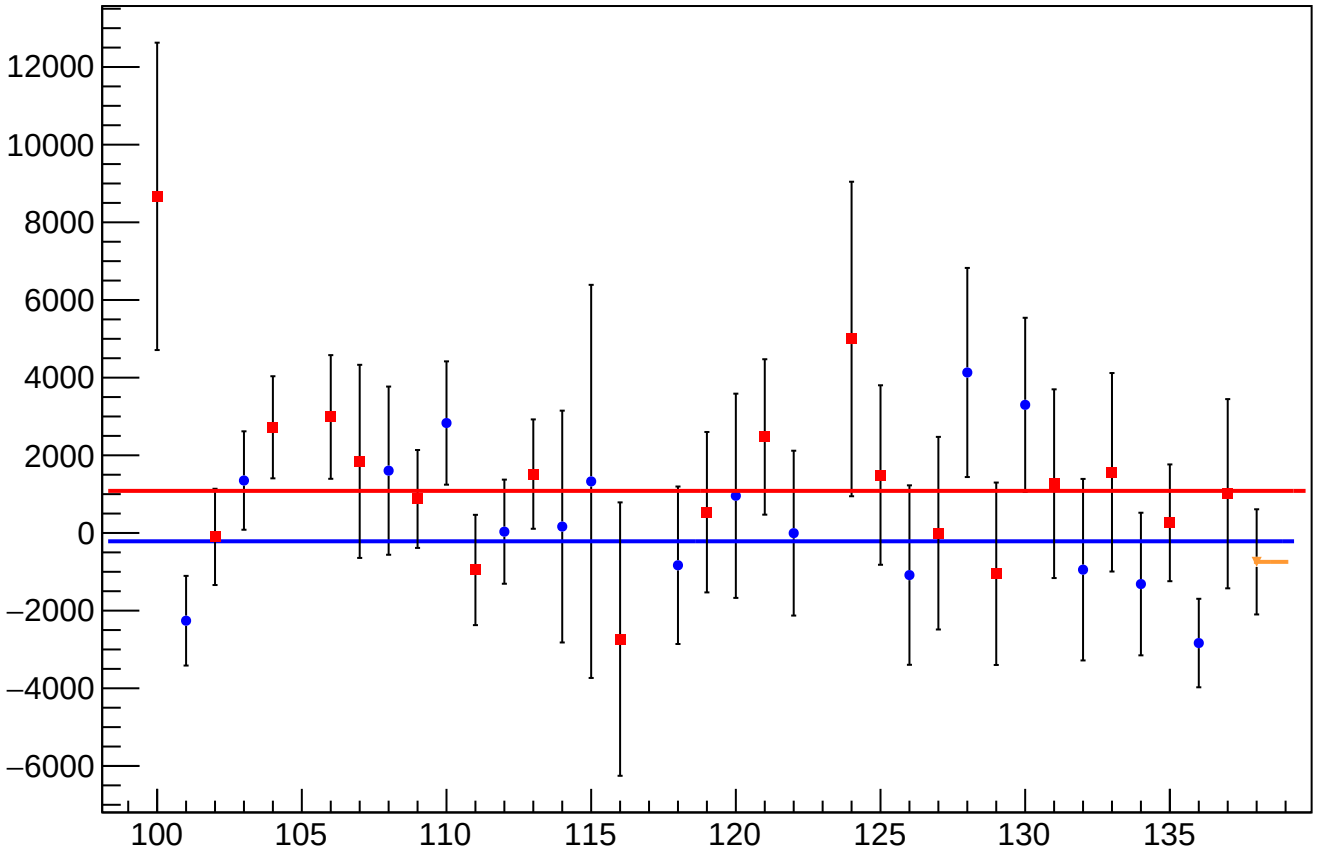
Left: 126.554+/-0.102 χ^2/NDF: 0.0/0

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 111.862+/-0.030 χ^2/NDF:306025.0/15

Out: 110.564+/-0.028 χ^2/NDF:397424.1/19

All: 111.165+/-0.020 χ^2/NDF: 704468.2/35



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -744.099+/-1354.294 χ^2/NDF:0.0/0

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

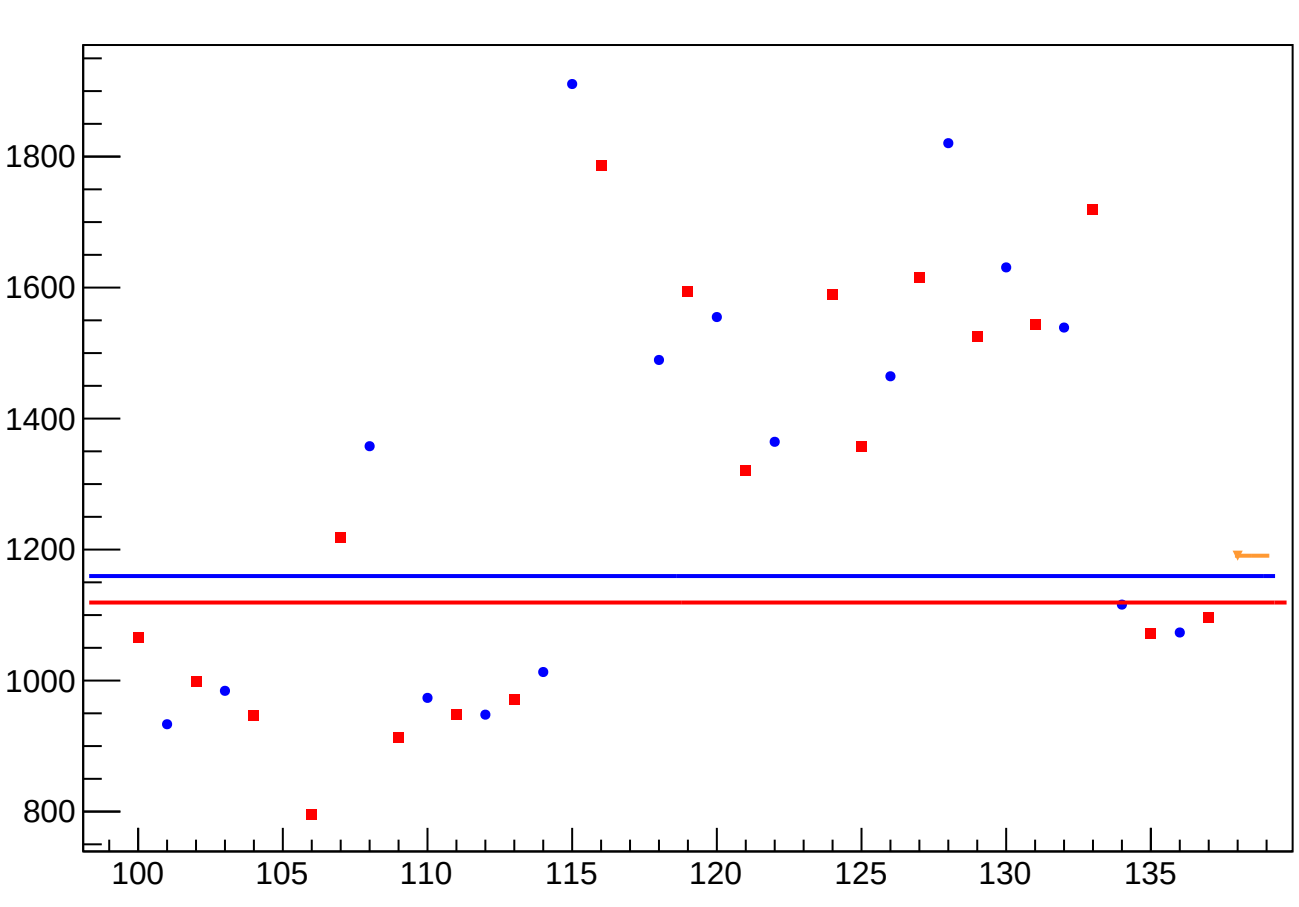
Left: -744.099+/-1354.294 χ^2/NDF: 0.0/0

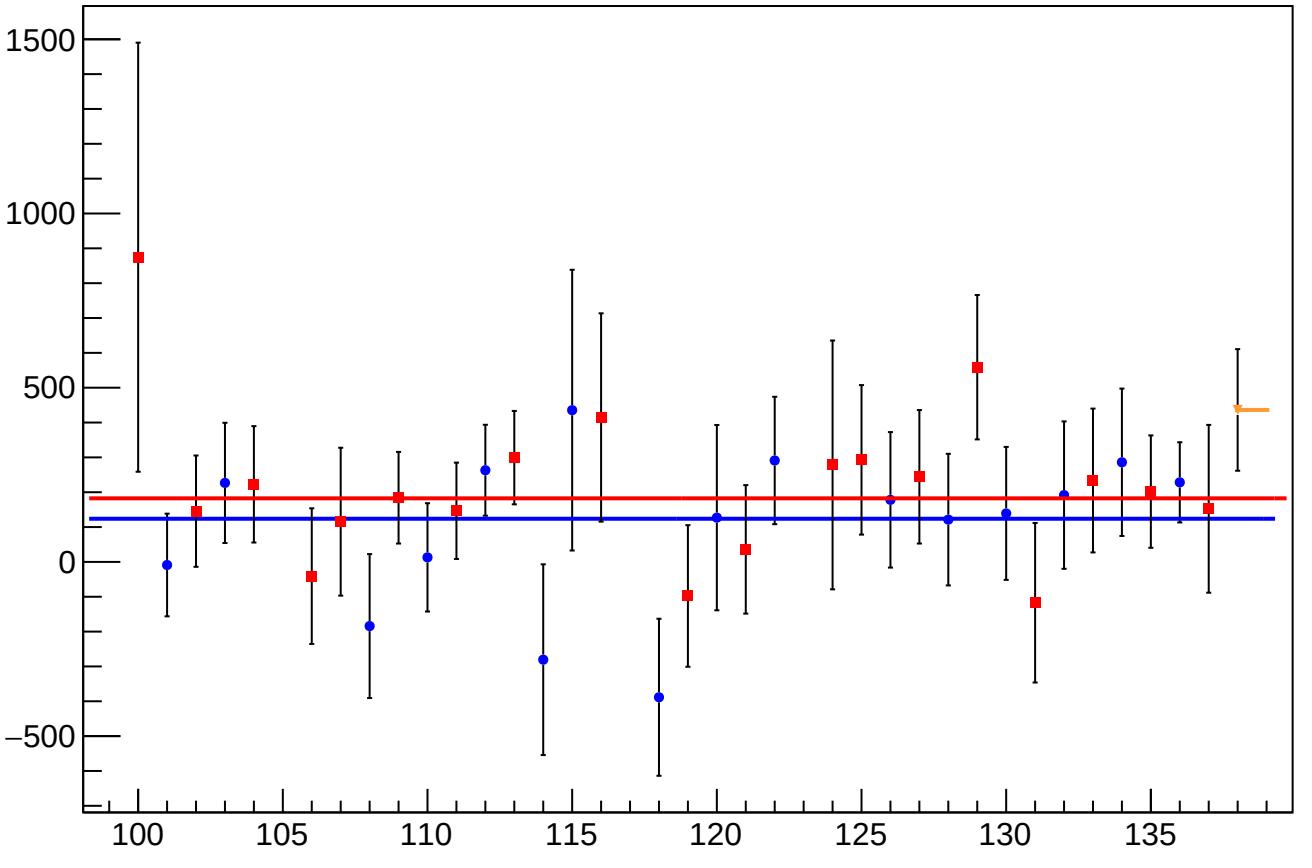
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: -214.278+/-443.965 χ^2/NDF:20.4/15

Out: 920.915+/-404.437 χ^2/NDF:15.5/19

All: 406.095+/-298.980 χ^2/NDF: 39.6/35


asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
100
105
110
115
120
125
130
135
Right In: 1159.576+/-0.314 χ²/NDF: 683662.2/15
Left Out: 1190.647+/-0.958 χ²/NDF:0.0/0
Right Out: 1119.156+/-0.300 χ²/NDF: 803154.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1190.647+/-0.958 χ²/NDF: 0.0/0
Right: 1138.426+/-0.217 χ²/NDF: 1495491.5/34
In: 1159.576+/-0.314 χ²/NDF:683662.2/15
Out: 1125.531+/-0.286 χ²/NDF:808230.8/19
All: 1140.971+/-0.211 χ²/NDF: 1498320.2/35



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 436.174+/-174.537 χ^2/NDF:0.0/0

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

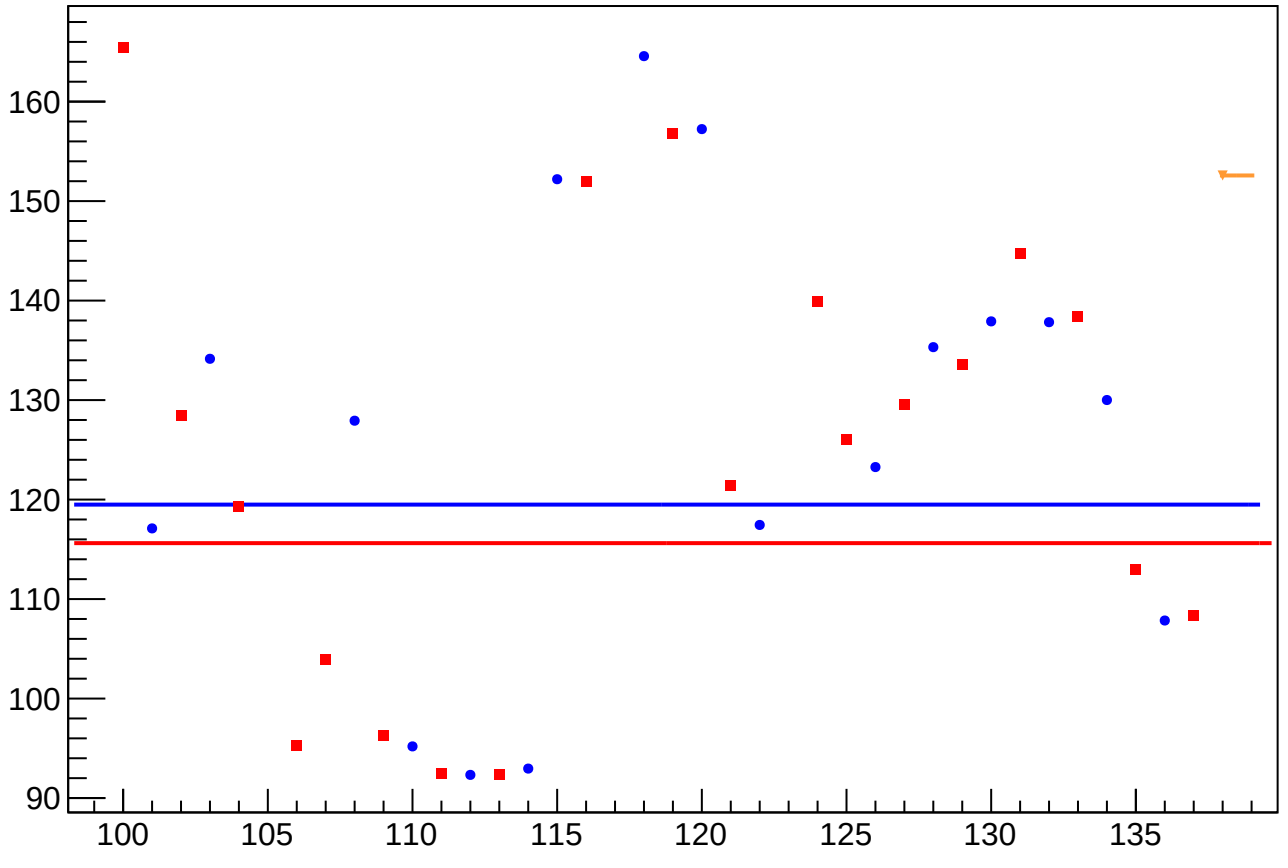
Left: 436.174+/-174.537 χ^2/NDF: 0.0/0

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 123.892+/-45.238 χ^2/NDF:15.4/15

Out: 197.128+/-41.957 χ^2/NDF:14.3/19

All: 163.262+/-30.763 χ^2/NDF: 31.1/35



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 152.576+/-0.123 χ^2/NDF:0.0/0

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

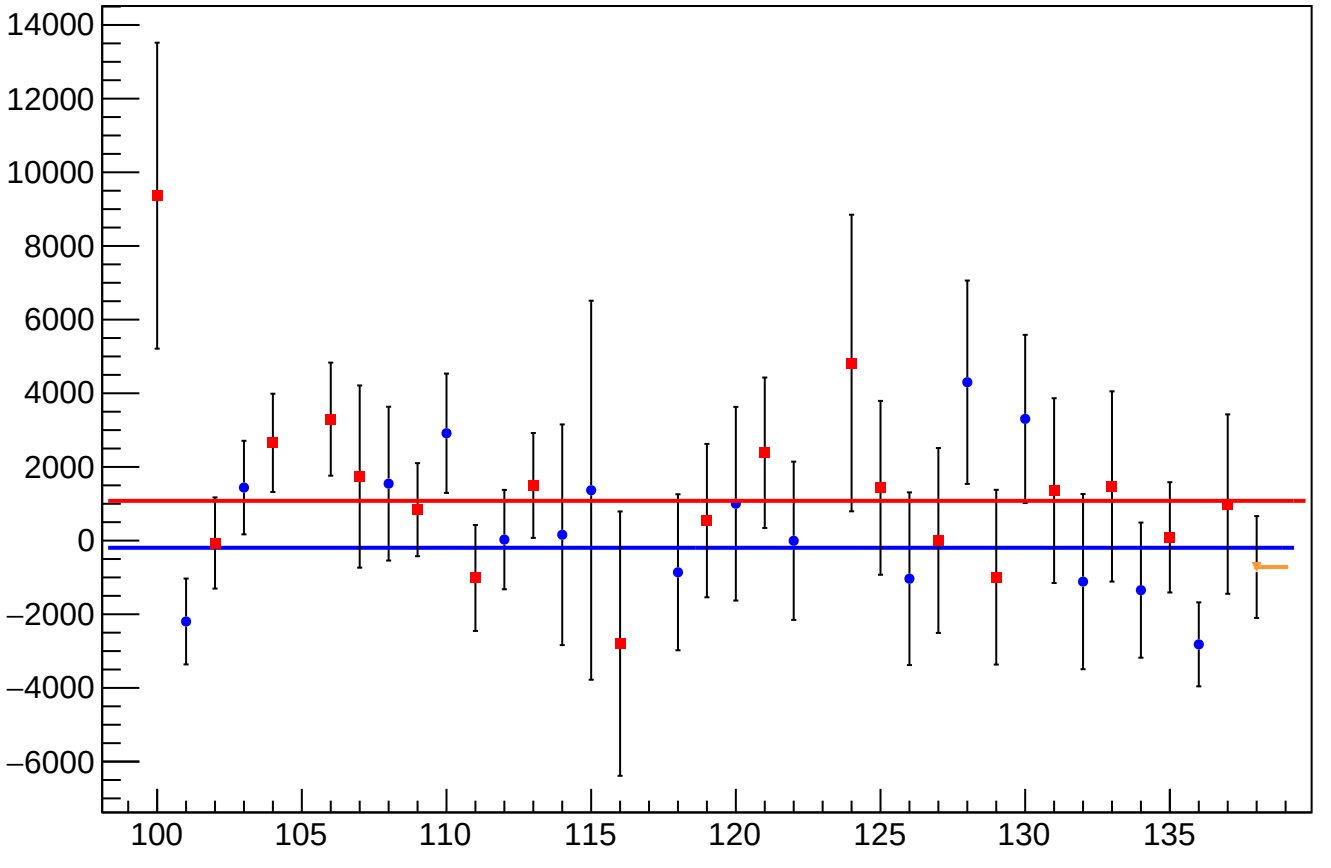
Left: 152.576+/-0.123 χ^2/NDF: 0.0/0

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 119.495+/-0.032 χ^2/NDF:380250.8/15

Out: 117.757+/-0.030 χ^2/NDF:511439.6/19

All: 118.561+/-0.022 χ^2/NDF: 893276.2/35



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -717.551+/-1382.328 χ^2/NDF:0.0/0

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

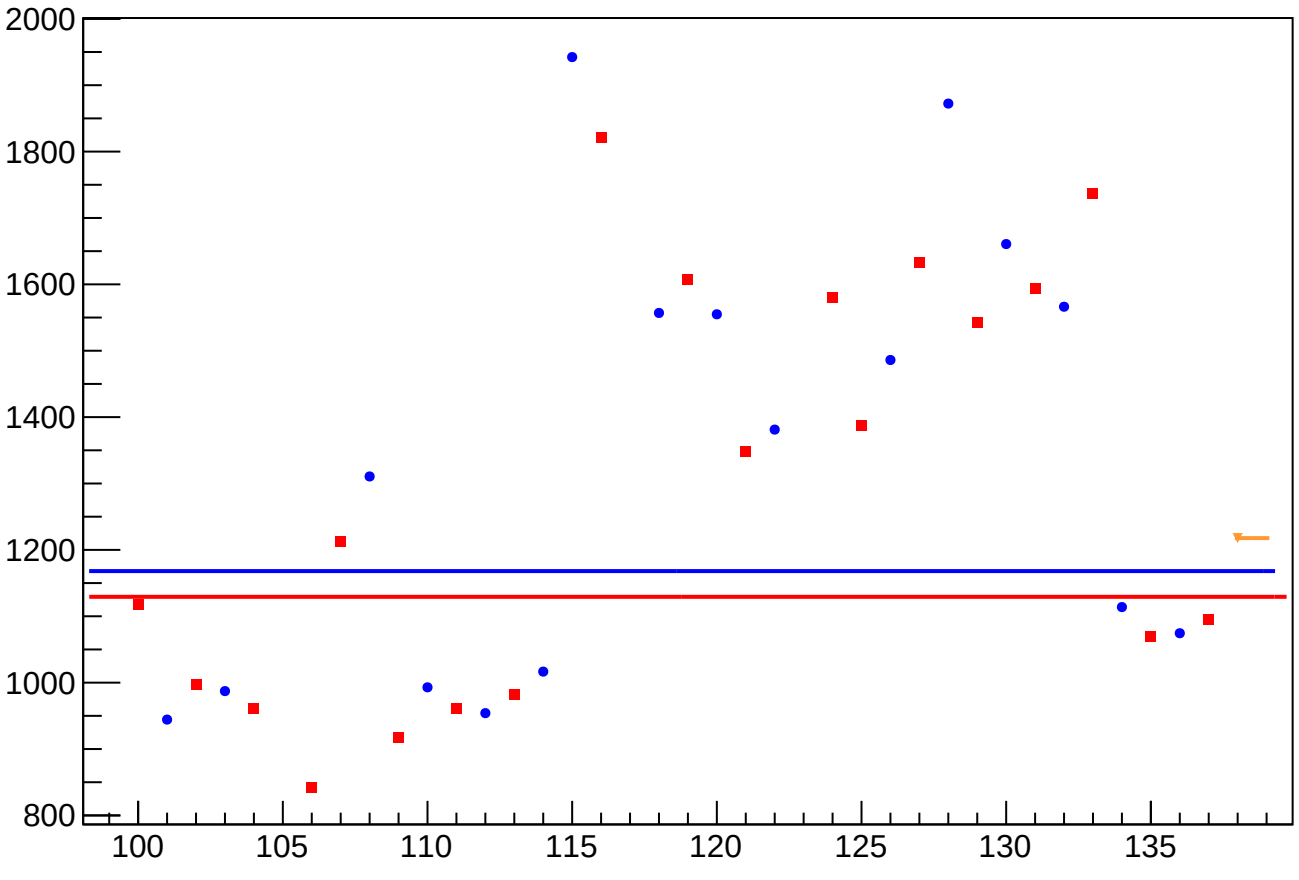
Left: -717.551+/-1382.328 χ^2/NDF: 0.0/0

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: -195.086+/-447.334 χ^2/NDF:20.4/15

Out: 923.568+/-407.063 χ^2/NDF:16.1/19

All: 416.851+/-301.069 χ^2/NDF: 39.9/35



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 1217.726+/-0.977 χ^2/NDF:0.0/0

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

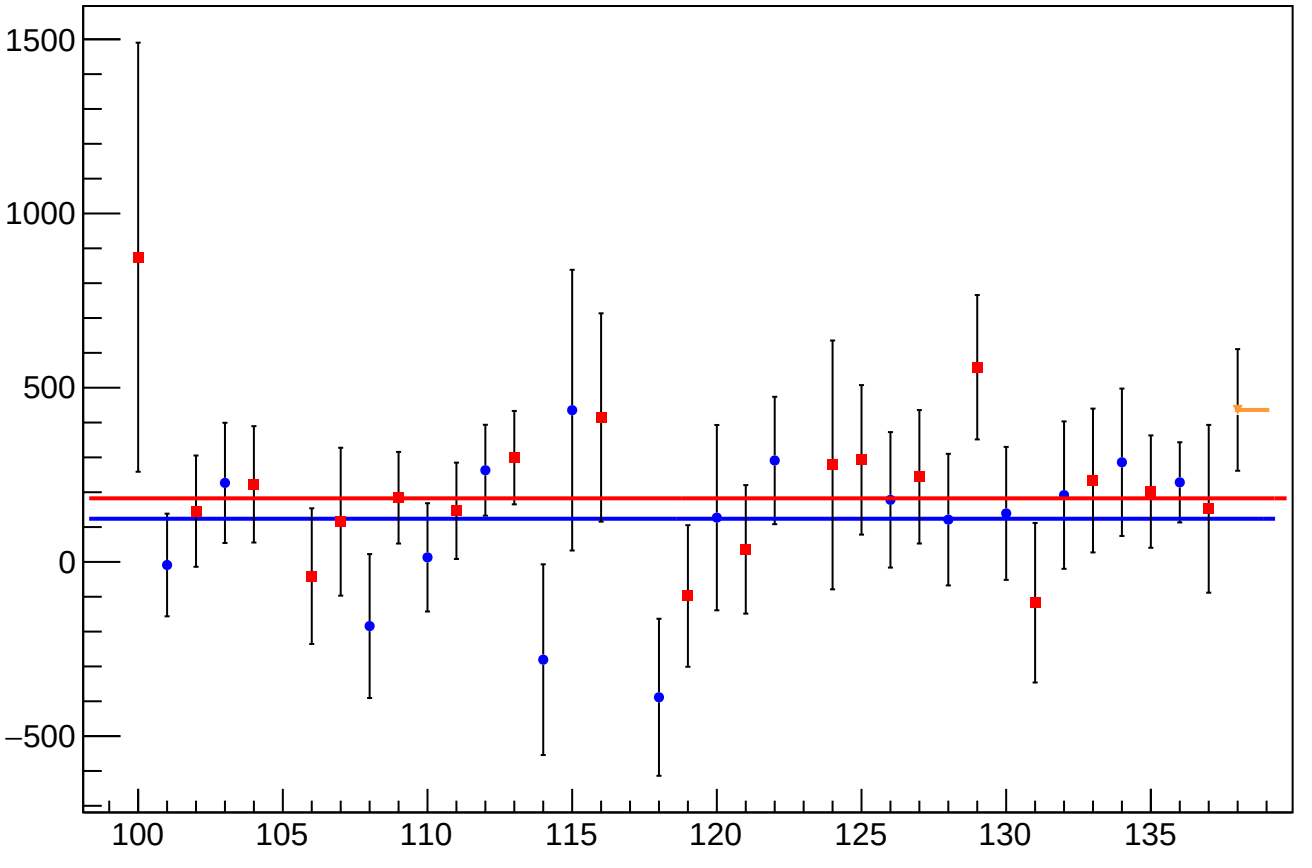
Left: 1217.726+/-0.977 χ^2/NDF: 0.0/0

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1168.063+/-0.316 χ^2/NDF:709363.8/15

Out: 1136.983+/-0.288 χ^2/NDF:814694.1/19

All: 1151.061+/-0.213 χ^2/NDF: 1529339.1/35



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 436.170+/-174.536 χ^2/NDF:0.0/0

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

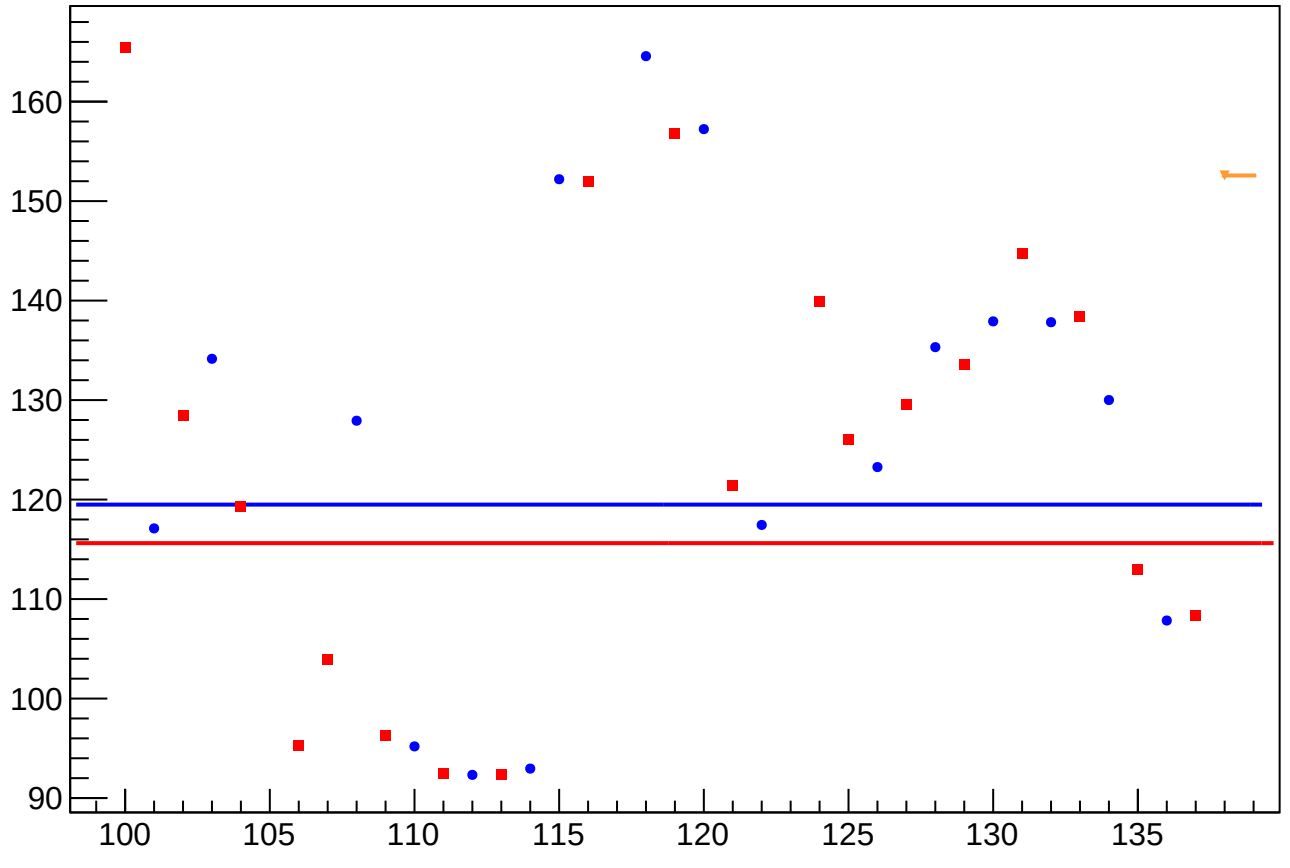
Left: 436.170+/-174.536 χ^2/NDF: 0.0/0

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 123.895+/-45.238 χ^2/NDF:15.4/15

Out: 197.128+/-41.957 χ^2/NDF:14.3/19

All: 163.264+/-30.763 χ^2/NDF: 31.1/35



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 152.576+/-0.123 χ^2/NDF:0.0/0

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

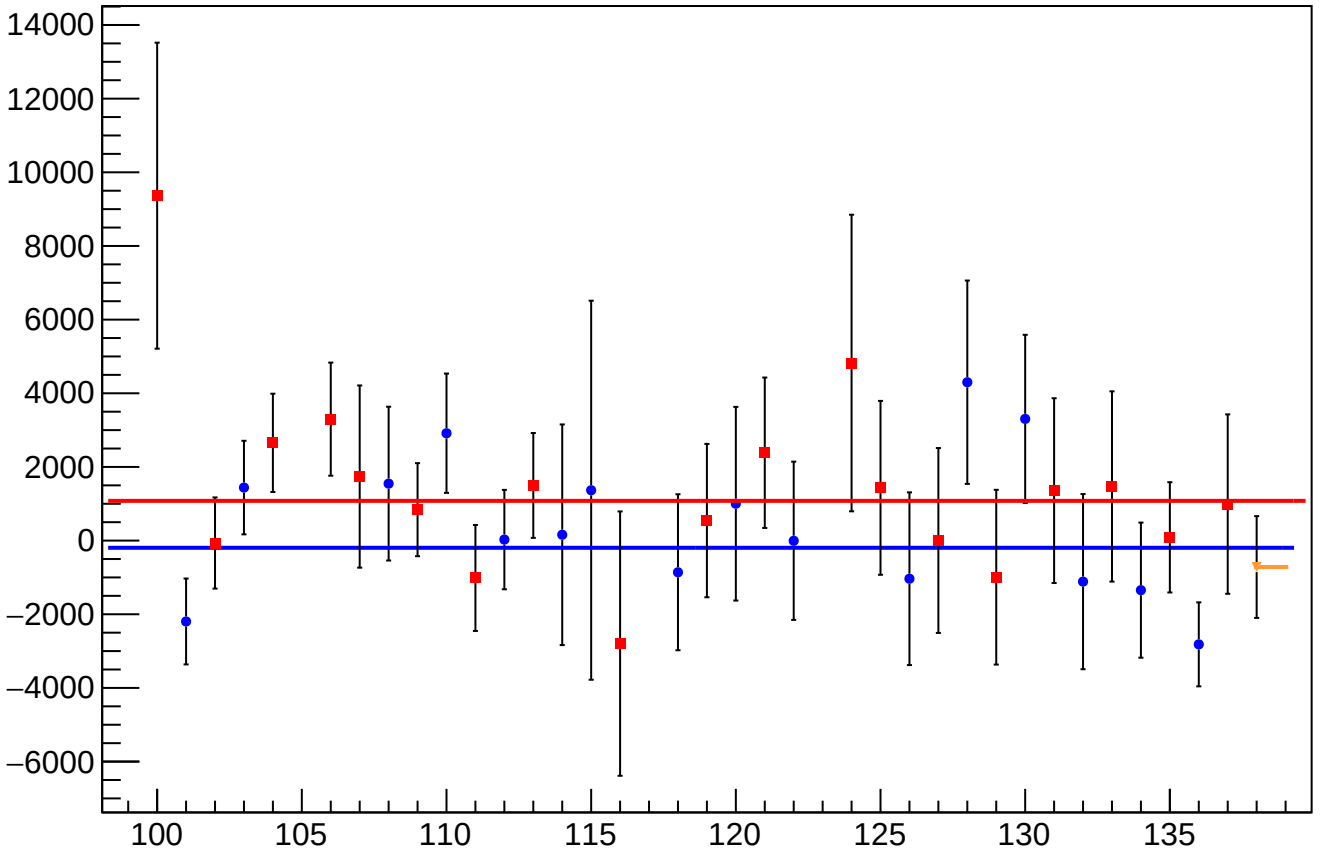
Left: 152.576+/-0.123 χ^2/NDF: 0.0/0

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 119.495+/-0.032 χ^2/NDF:380254.2/15

Out: 117.757+/-0.030 χ^2/NDF:511443.3/19

All: 118.561+/-0.022 χ^2/NDF: 893283.4/35



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -717.556+/-1382.325 χ^2/NDF:0.0/0

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

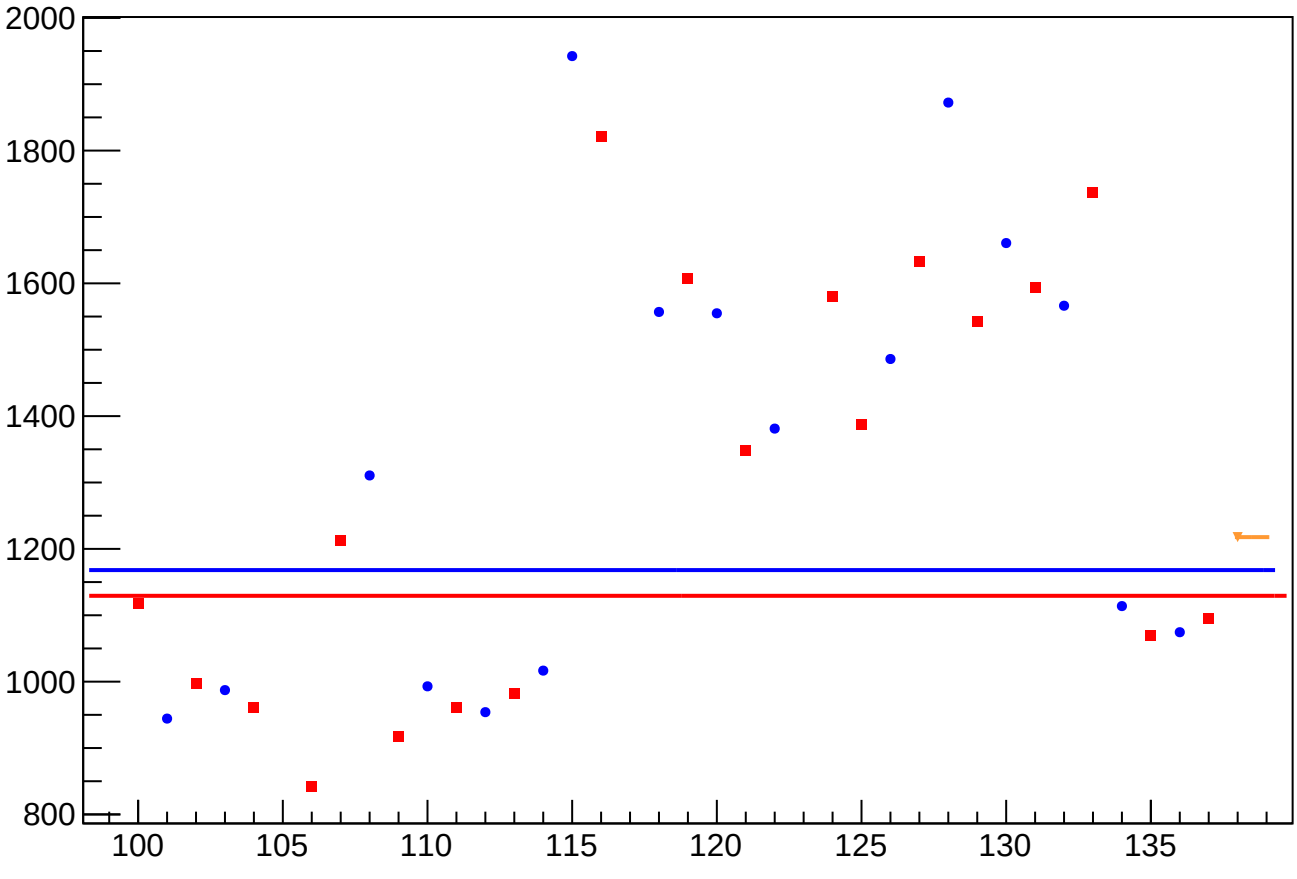
Left: -717.556+/-1382.325 χ^2/NDF: 0.0/0

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: -195.085+/-447.334 χ^2/NDF:20.4/15

Out: 923.567+/-407.063 χ^2/NDF:16.1/19

All: 416.850+/-301.069 χ^2/NDF: 39.9/35



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 1217.724+/-0.977 χ^2/NDF:0.0/0

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1217.724+/-0.977 χ^2/NDF: 0.0/0

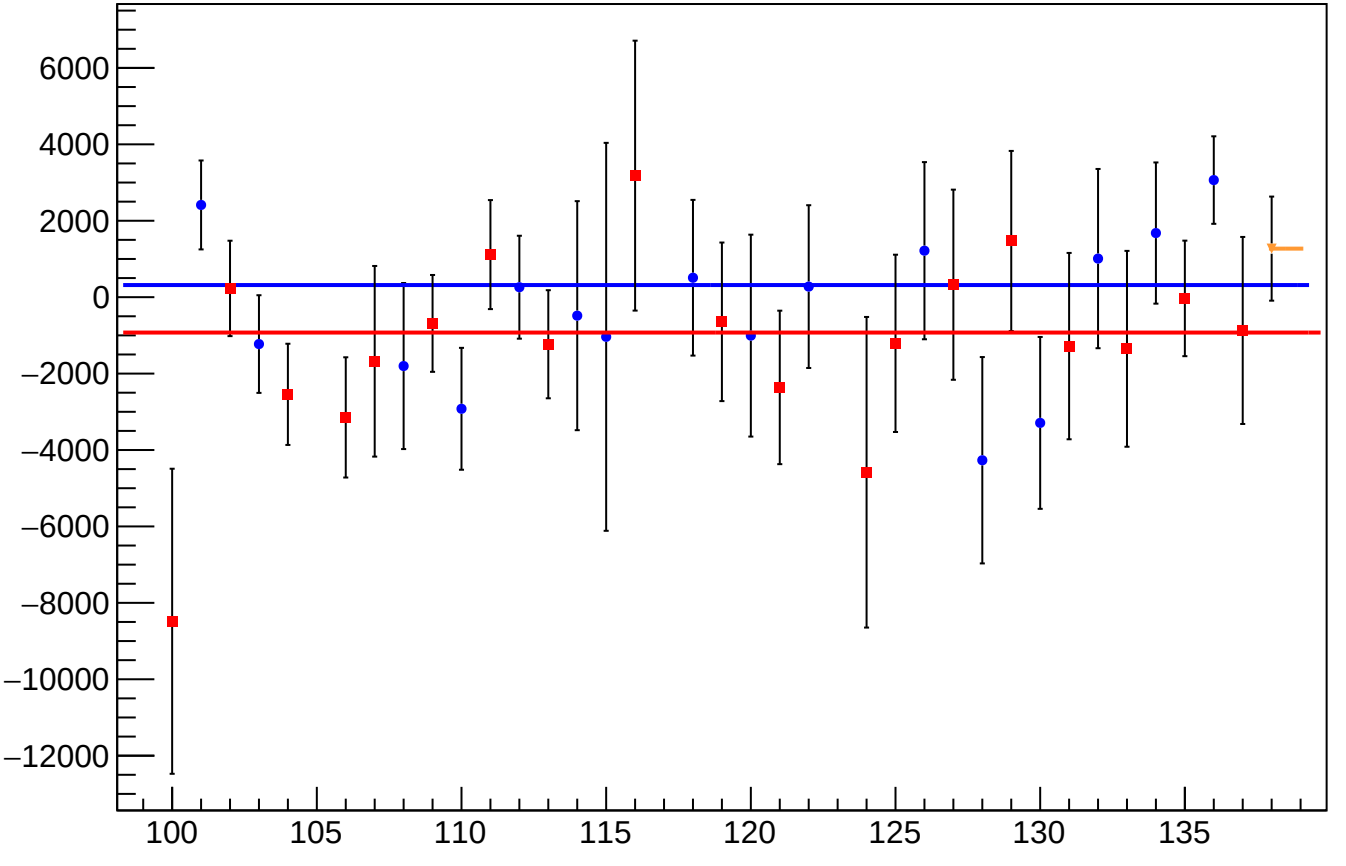
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1168.063+/-0.316 χ^2/NDF:709365.6/15

Out: 1136.983+/-0.288 χ^2/NDF:814695.2/19

All: 1151.061+/-0.213 χ^2/NDF: 1529342.1/35

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1270.557+/-1362.034 χ^2/NDF:0.0/0

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1270.557+/-1362.034 χ^2/NDF: 0.0/0

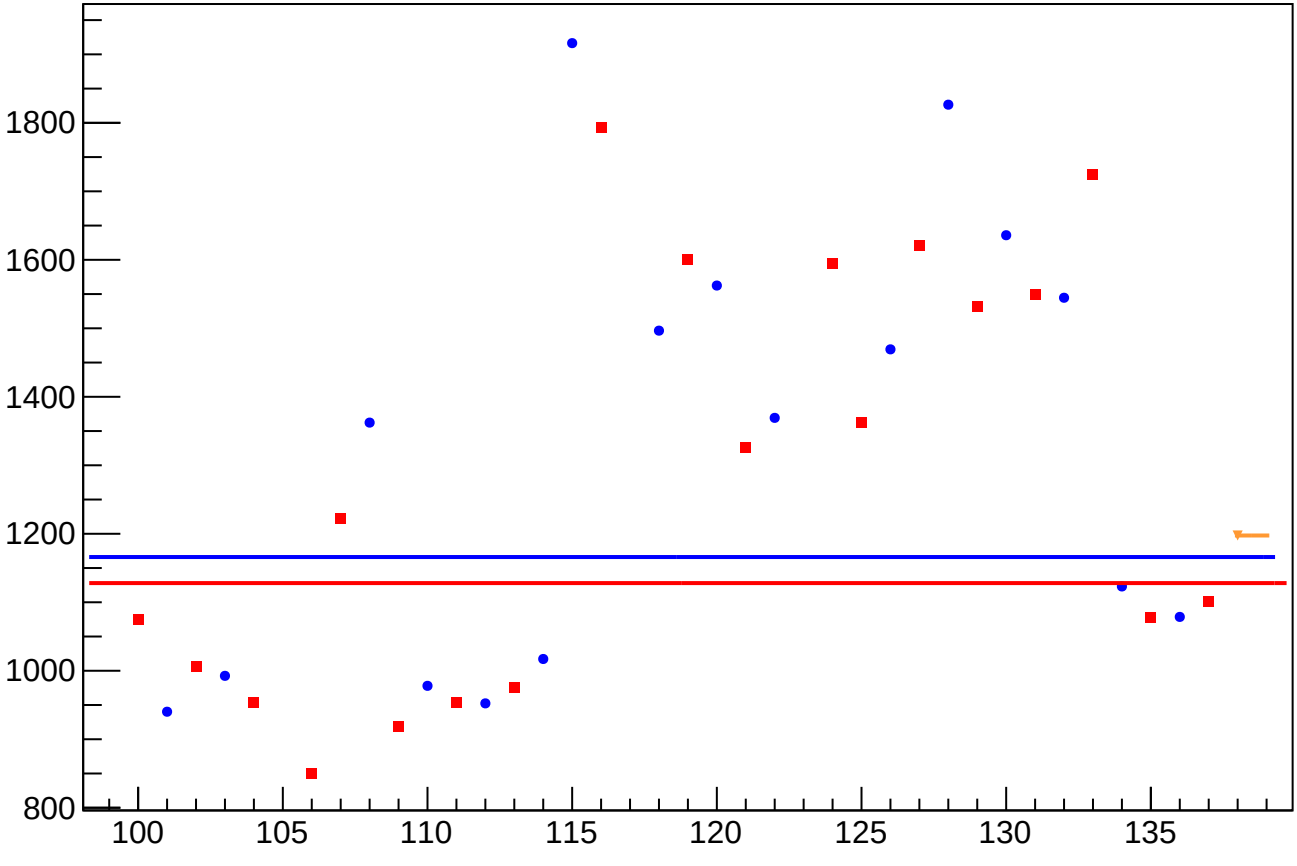
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 317.365+/-446.341 χ^2/NDF:22.2/15

Out: -730.803+/-406.060 χ^2/NDF:16.9/19

All: -256.140+/-300.361 χ^2/NDF: 42.1/35

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 1197.496+/-0.963 χ^2/NDF:0.0/0

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

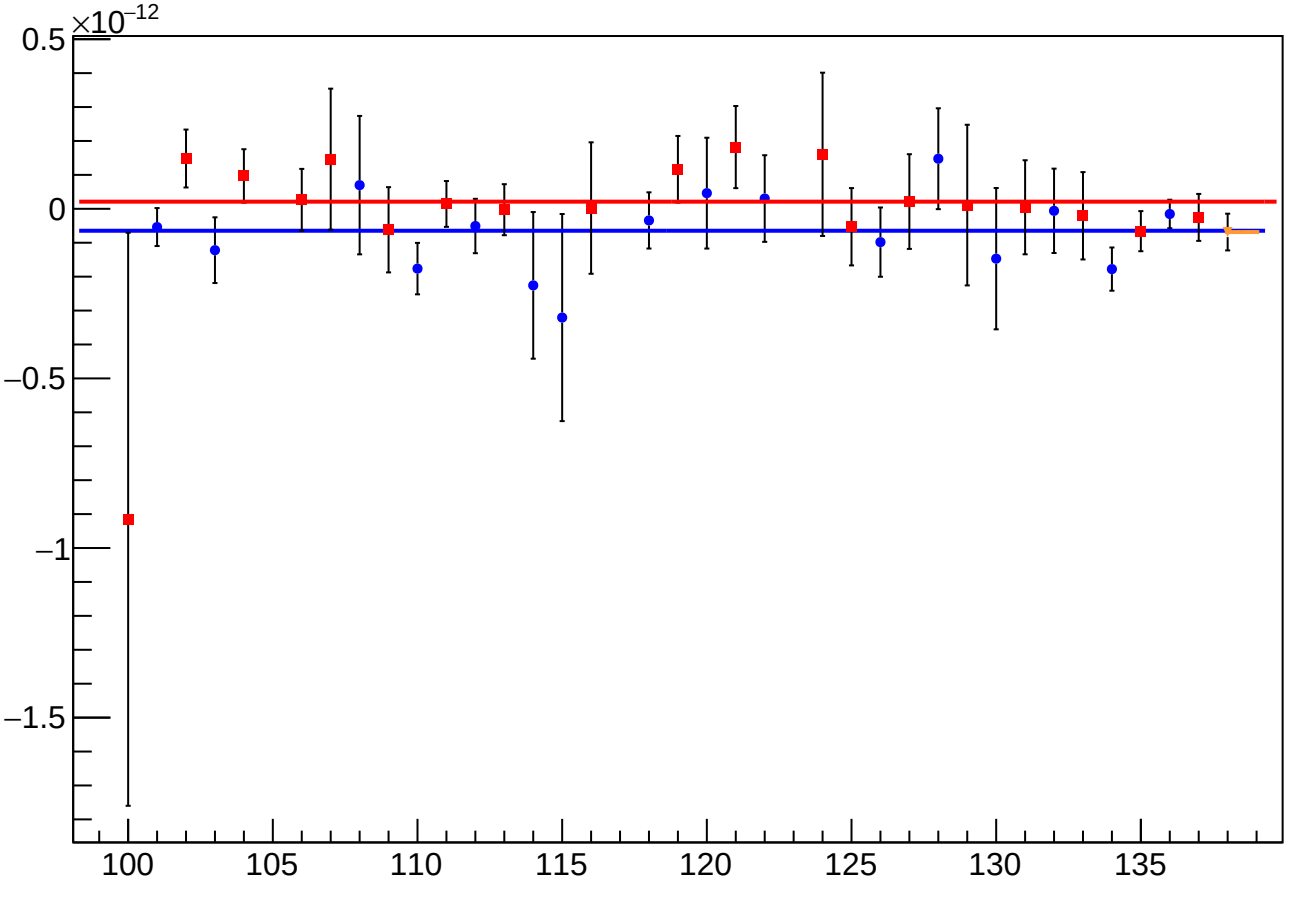
Left: 1197.496+/-0.963 χ^2/NDF: 0.0/0

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1166.056+/-0.316 χ^2/NDF:677063.1/15

Out: 1134.183+/-0.287 χ^2/NDF:780509.8/19

All: 1148.617+/-0.212 χ^2/NDF: 1463153.5/35



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

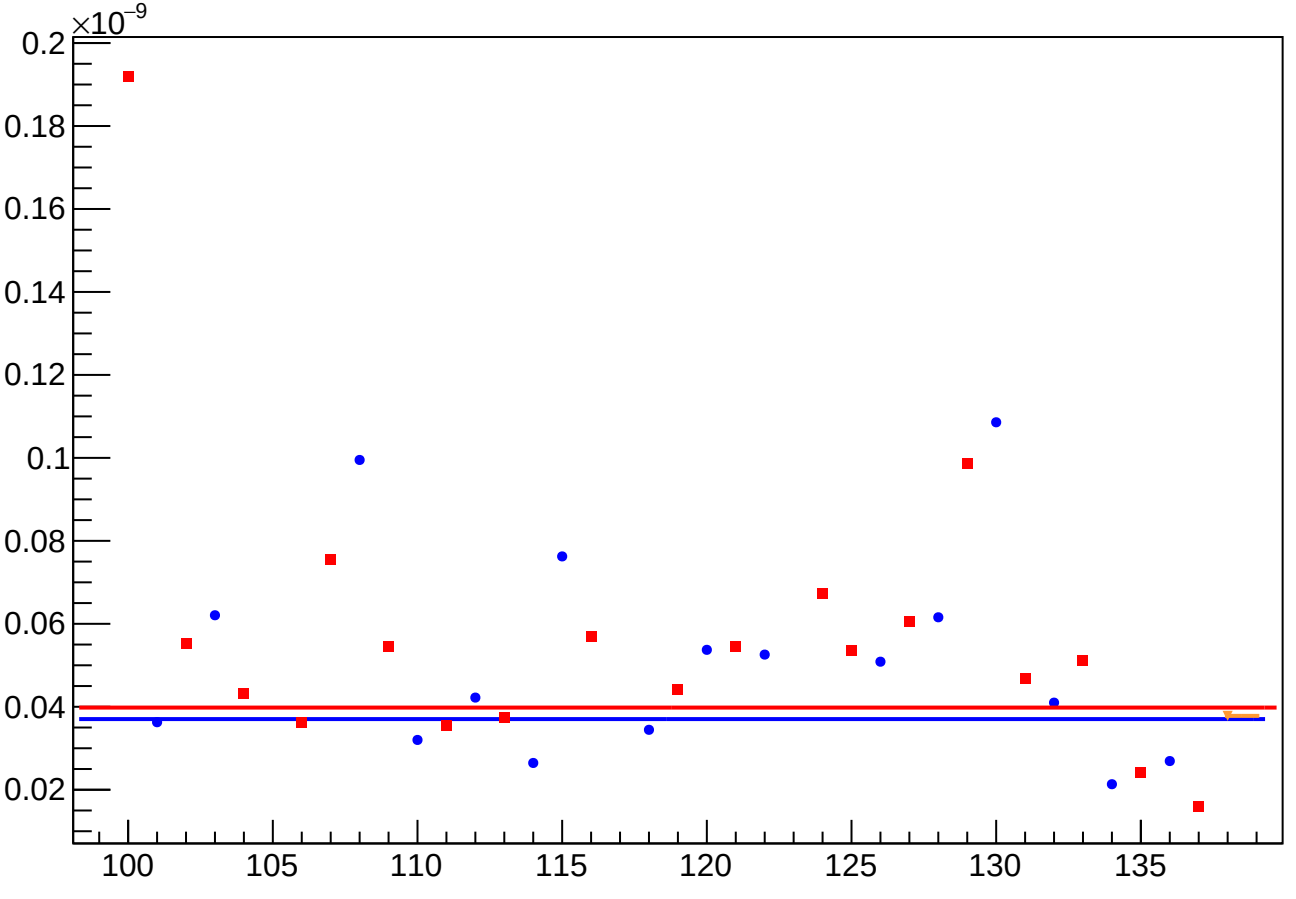
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:12.5/15

Out: 0.000+/-0.000 χ^2/NDF:13.8/19

All: -0.000+/-0.000 χ^2/NDF: 31.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

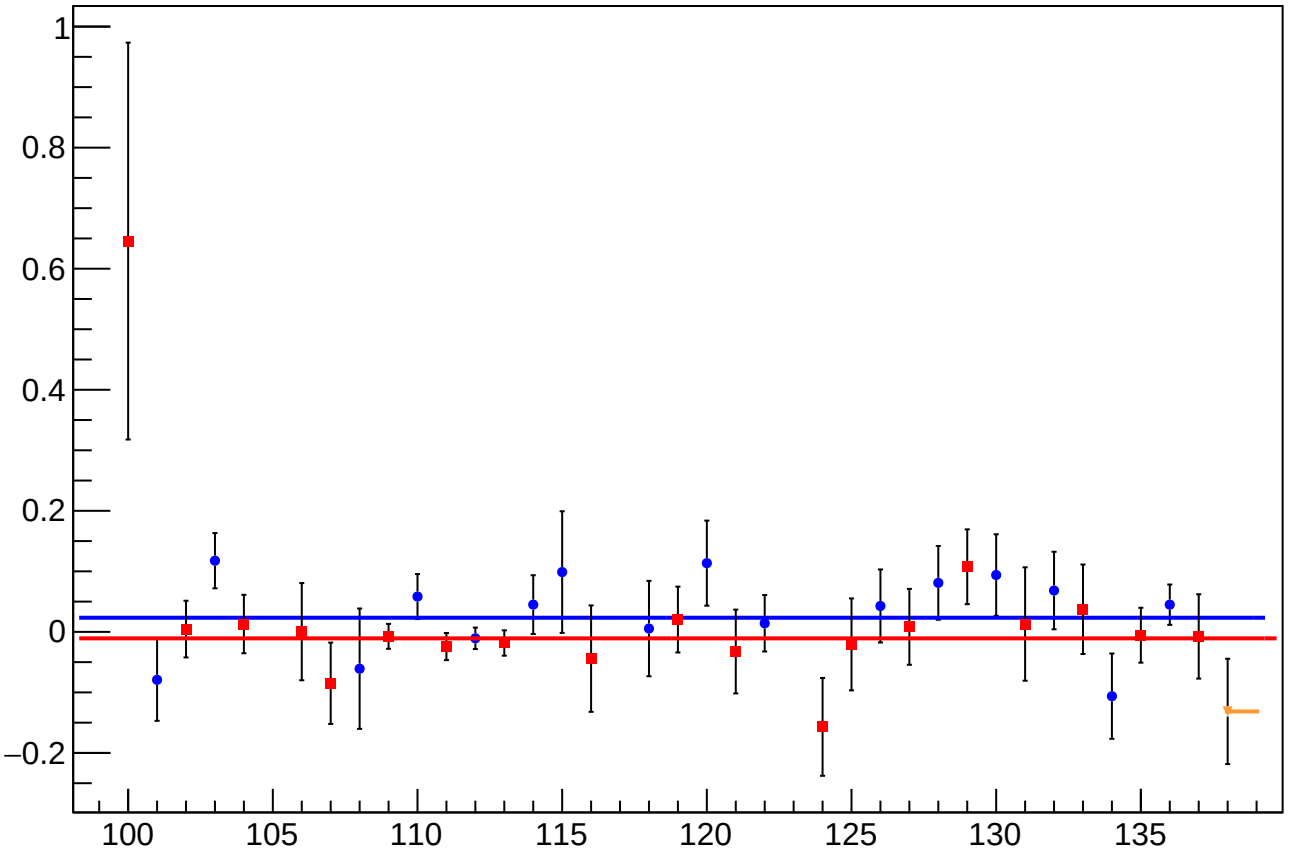
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:995390.8/15

Out: 0.000+/-0.000 χ^2/NDF:906037.7/19

All: 0.000+/-0.000 χ^2/NDF: 1914521.4/35



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.131+/-0.087 χ^2/NDF:0.0/0

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

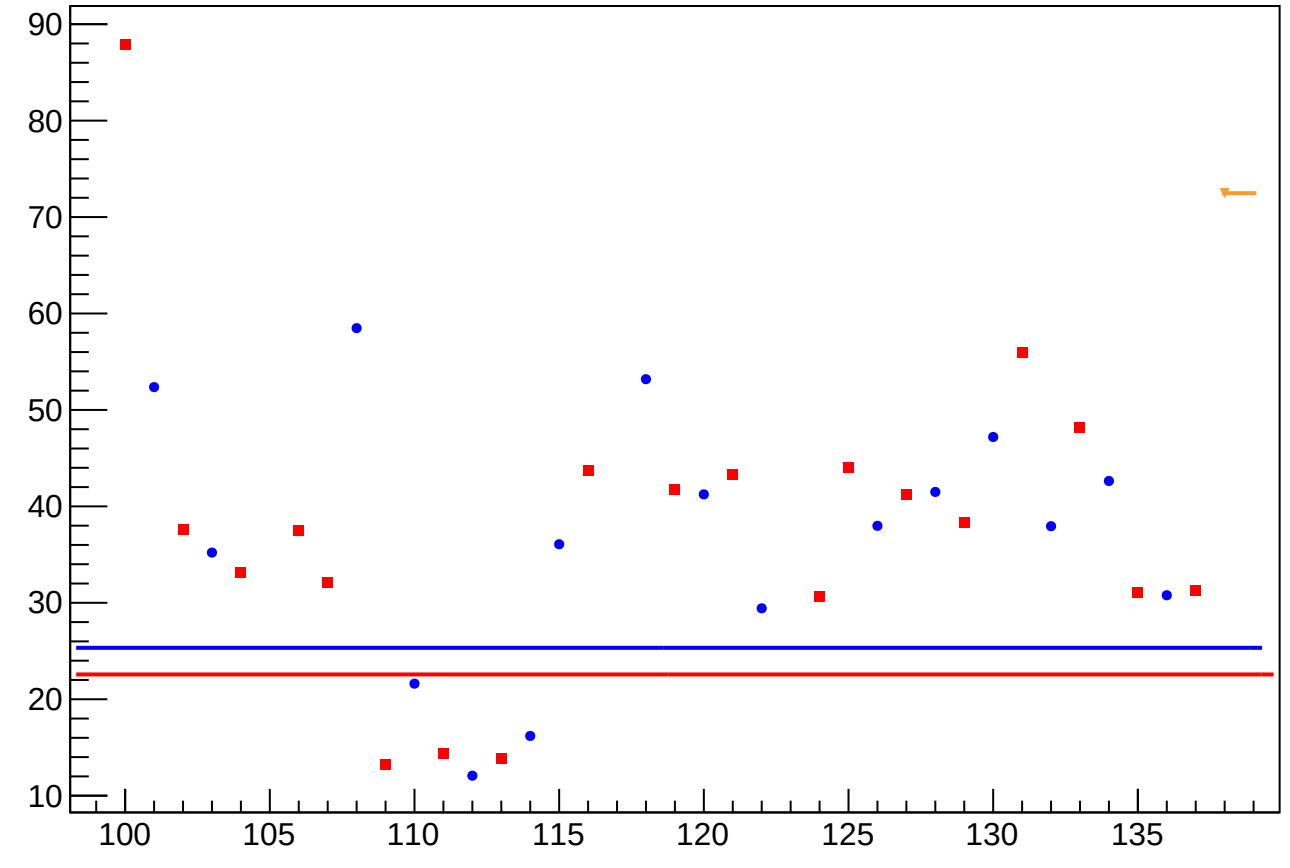
Left: -0.131+/-0.087 χ^2/NDF: 0.0/0

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.023+/-0.011 χ^2/NDF:20.7/15

Out: -0.012+/-0.010 χ^2/NDF:16.1/19

All: 0.003+/-0.007 χ^2/NDF: 42.7/35



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 72.477+/-0.062 χ^2/NDF:0.0/0

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 72.477+/-0.062 χ^2/NDF: 0.0/0

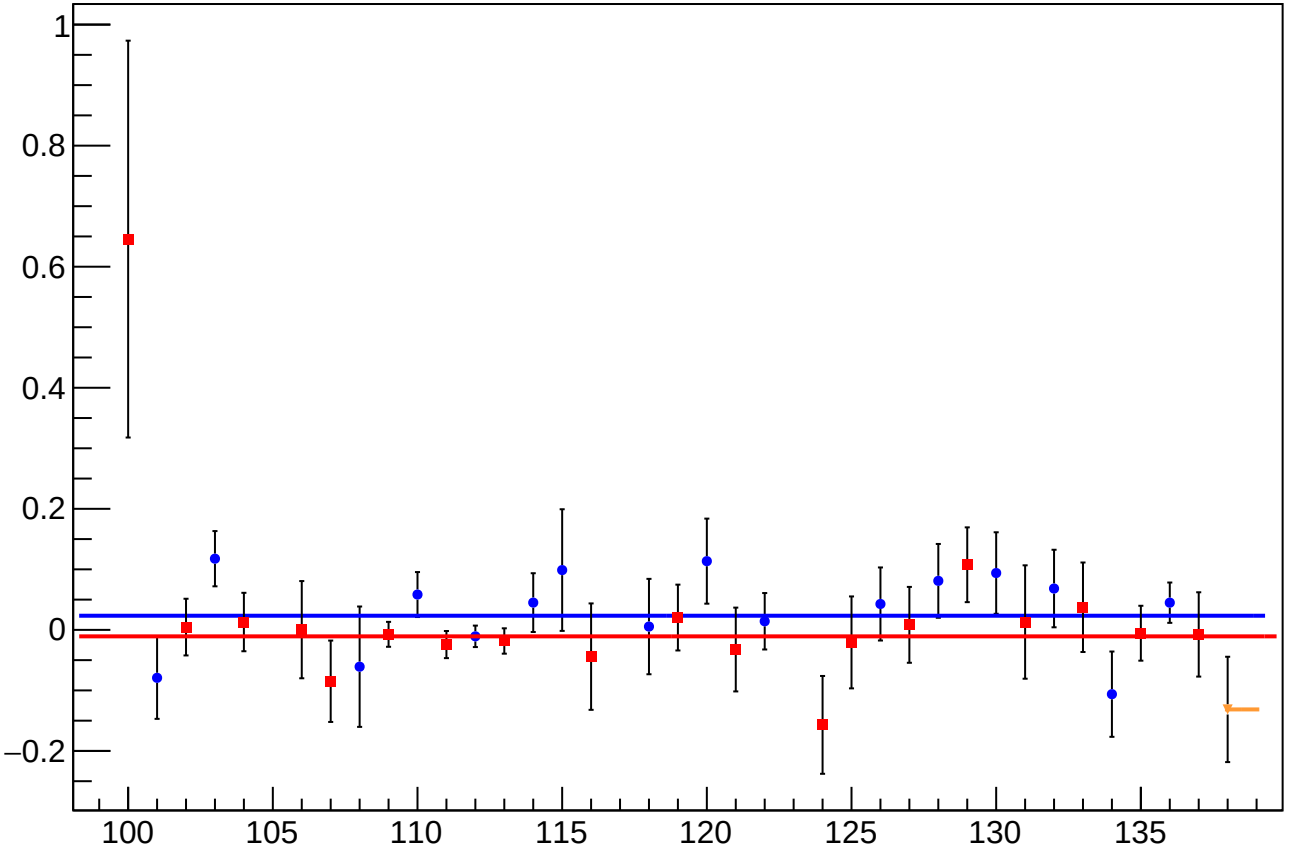
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 25.334+/-0.008 χ^2/NDF:2925132.2/15

Out: 23.197+/-0.007 χ^2/NDF:3789553.5/19

All: 24.129+/-0.005 χ^2/NDF: 6756702.9/35

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: -0.131+/-0.087 χ^2/NDF:0.0/0

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

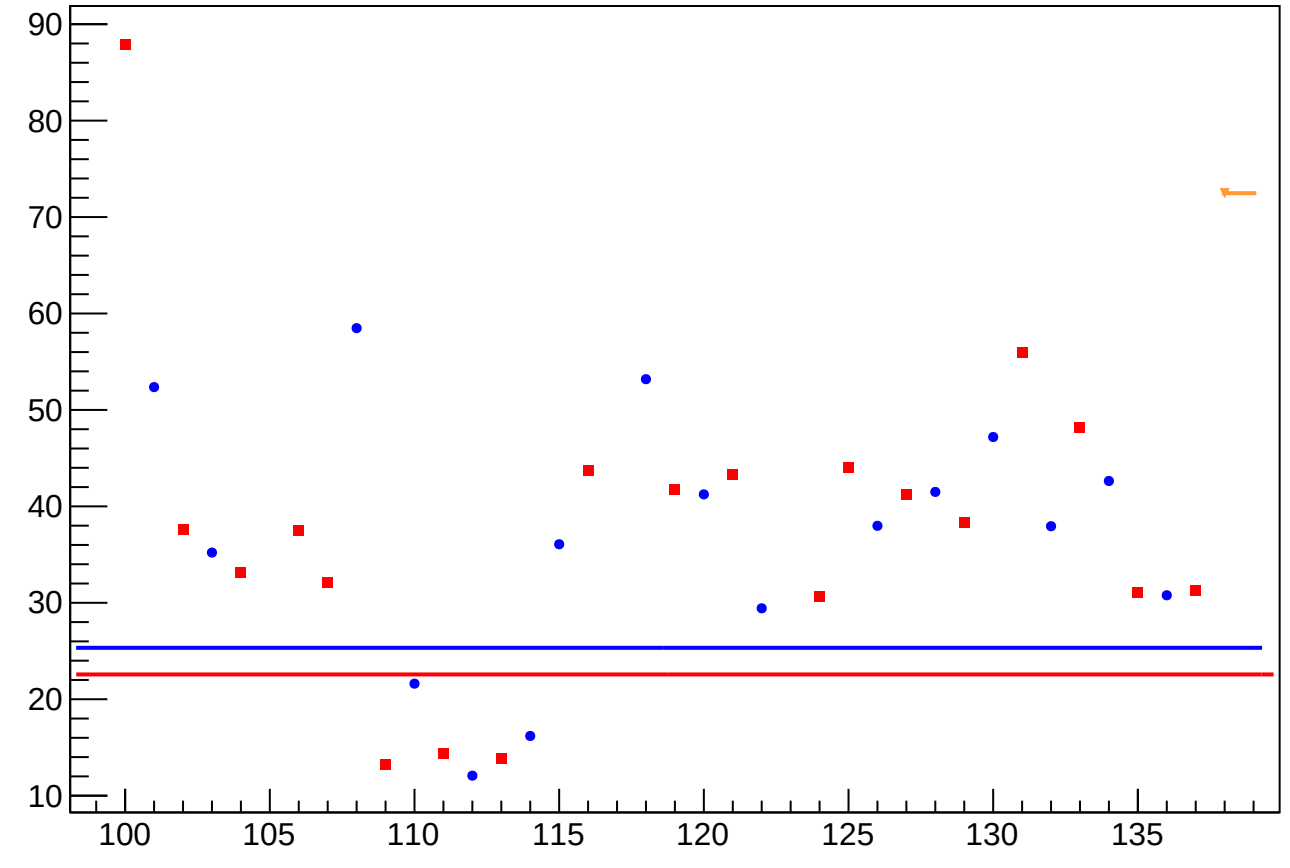
Left: -0.131+/-0.087 χ^2/NDF: 0.0/0

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.023+/-0.011 χ^2/NDF:20.7/15

Out: -0.012+/-0.010 χ^2/NDF:16.1/19

All: 0.003+/-0.007 χ^2/NDF: 42.7/35



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 72.477+/-0.062 χ^2/NDF:0.0/0

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

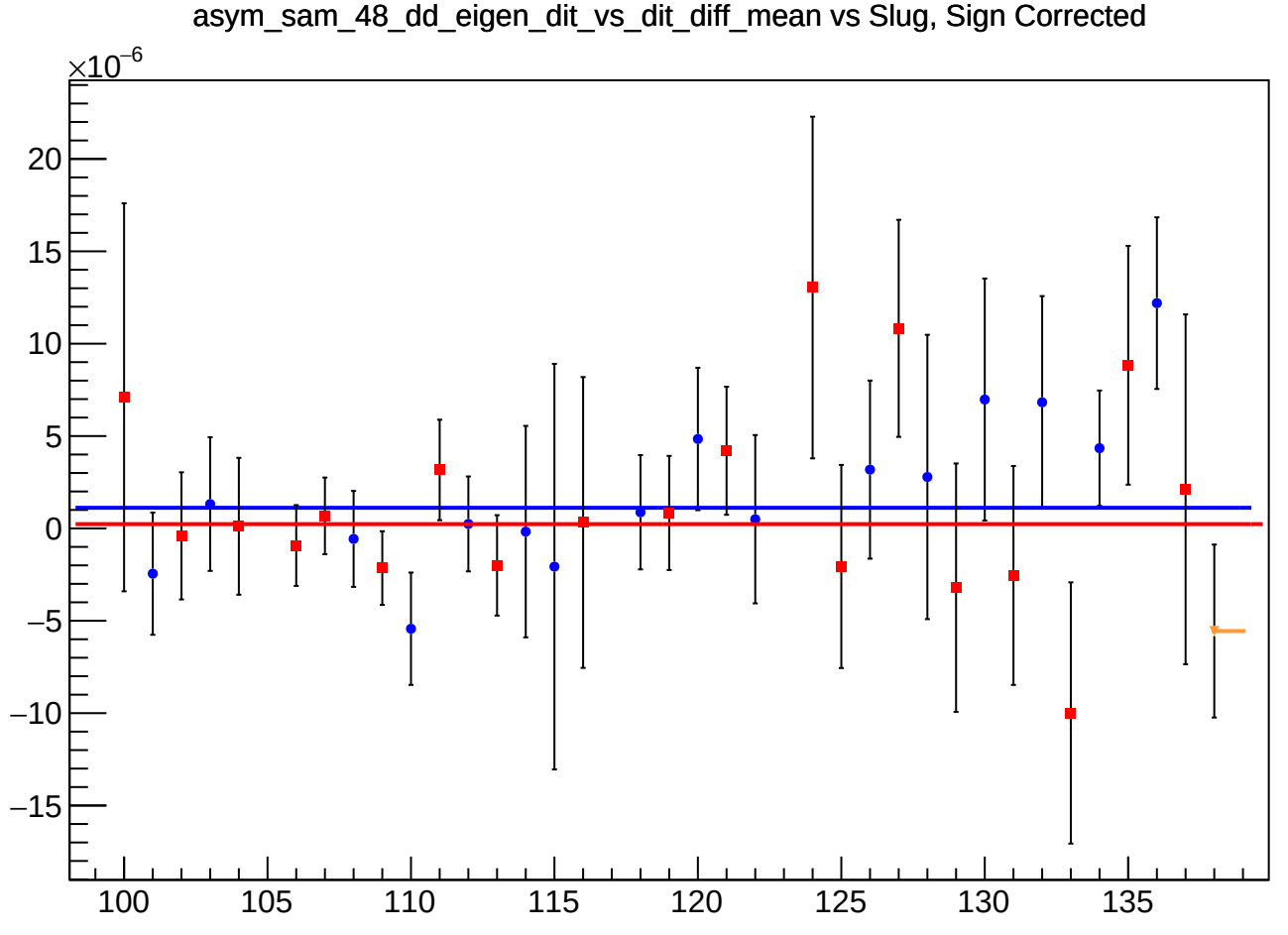
Left: 72.477+/-0.062 χ^2/NDF: 0.0/0

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 25.334+/-0.008 χ^2/NDF:2925132.2/15

Out: 23.197+/-0.007 χ^2/NDF:3789553.5/19

All: 24.129+/-0.005 χ^2/NDF: 6756702.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

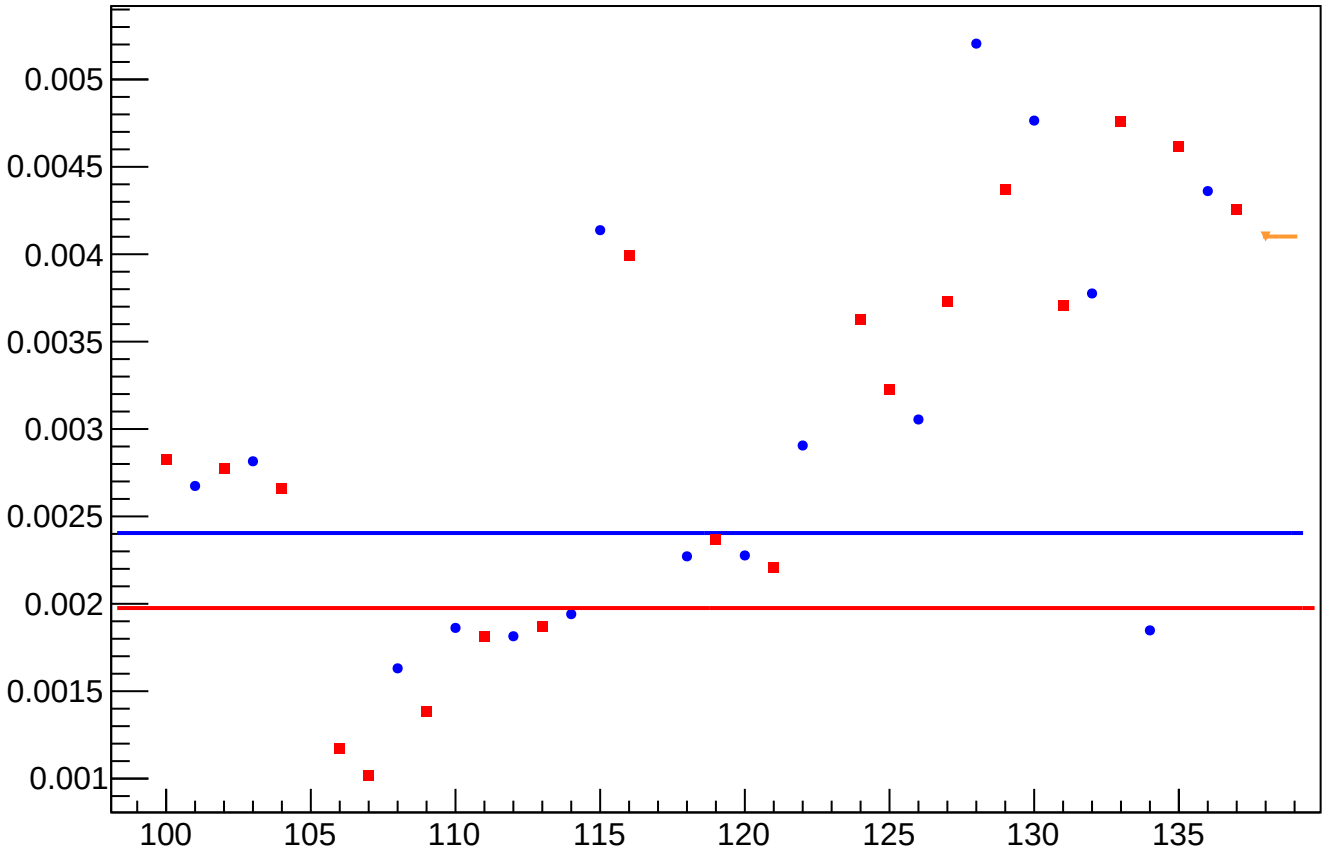
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:16.2/15

Out: 0.000+/-0.000 χ^2/NDF:16.6/19

All: 0.000+/-0.000 χ^2/NDF: 33.5/35



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.004+/-0.000 χ^2/NDF: 0.0/0

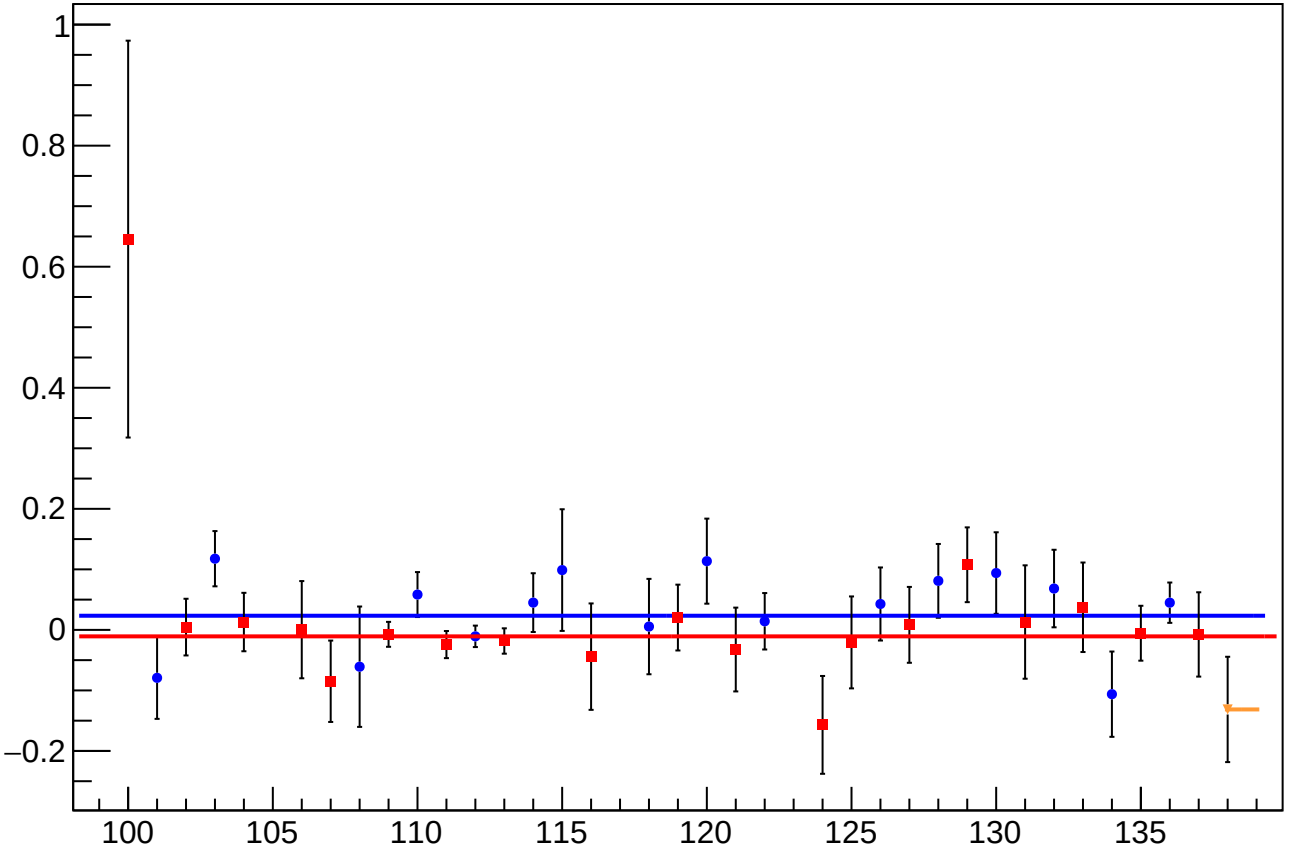
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:1571983.6/15

Out: 0.002+/-0.000 χ^2/NDF:3175518.5/19

All: 0.002+/-0.000 χ^2/NDF: 4921024.2/35

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: -0.131+/-0.087 χ^2/NDF:0.0/0

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

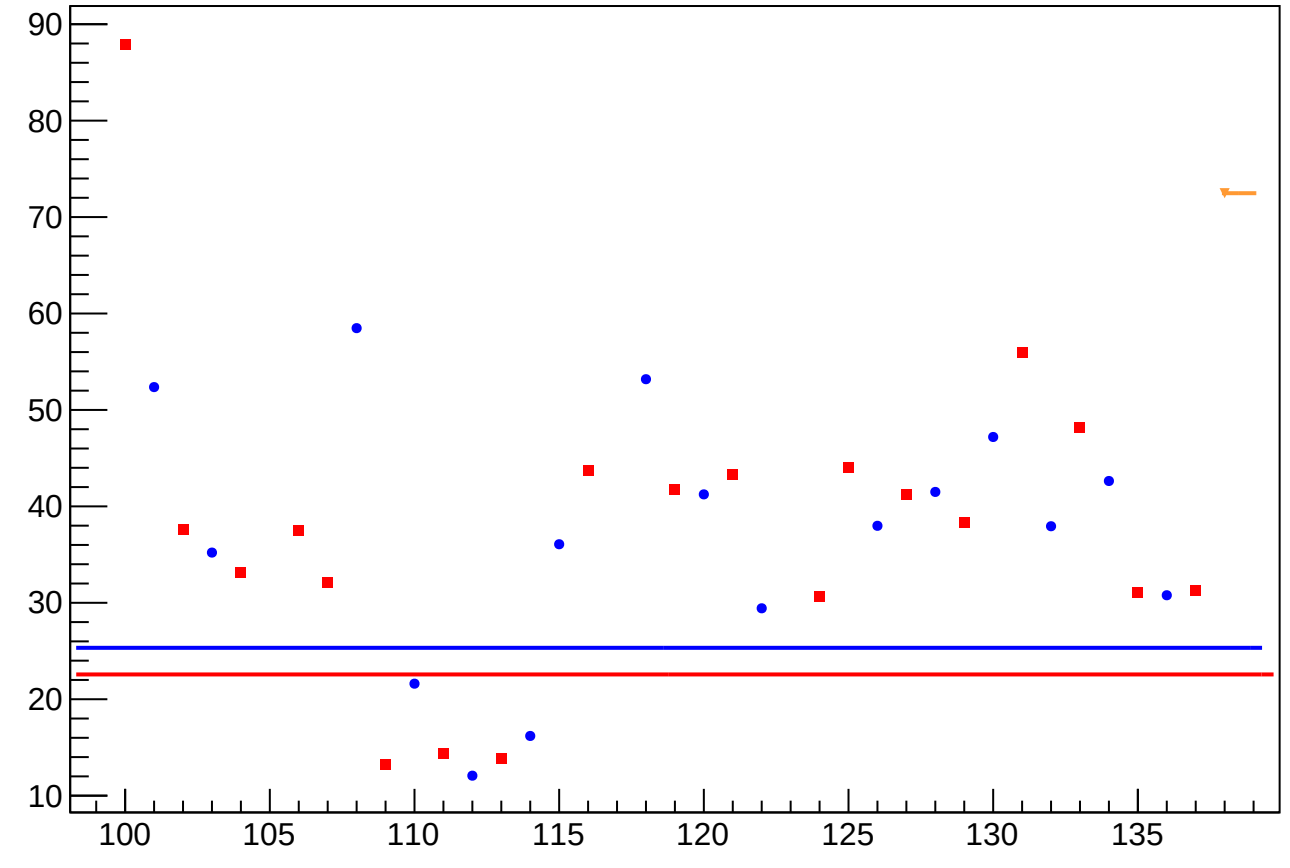
Left: -0.131+/-0.087 χ^2/NDF: 0.0/0

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.023+/-0.011 χ^2/NDF:20.7/15

Out: -0.012+/-0.010 χ^2/NDF:16.1/19

All: 0.003+/-0.007 χ^2/NDF: 42.7/35



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 72.476+/-0.062 χ^2/NDF:0.0/0

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 72.476+/-0.062 χ^2/NDF: 0.0/0

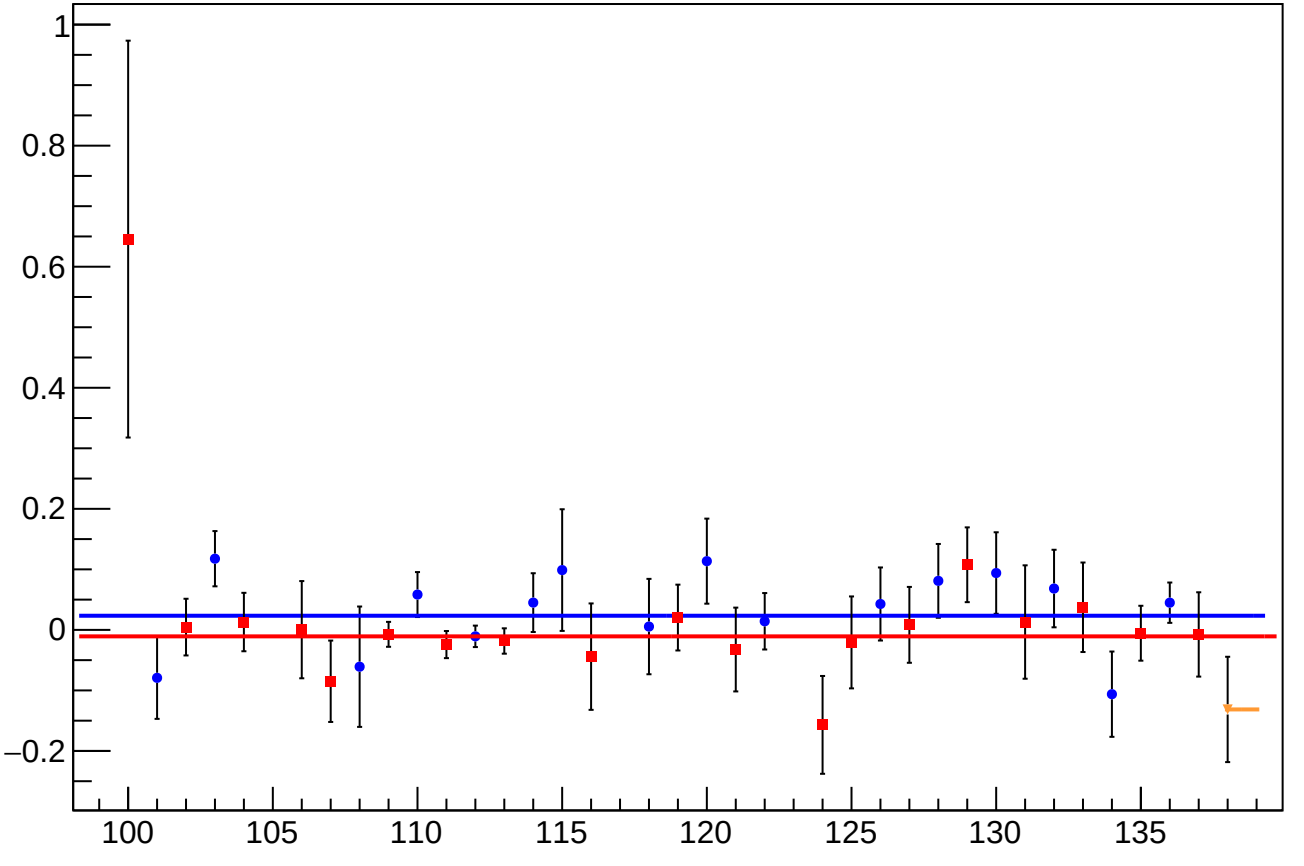
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 25.332+/-0.008 χ^2/NDF:2925549.0/15

Out: 23.196+/-0.007 χ^2/NDF:3789697.3/19

All: 24.129+/-0.005 χ^2/NDF: 6757225.8/35

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: -0.131+/-0.087 χ^2/NDF:0.0/0

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

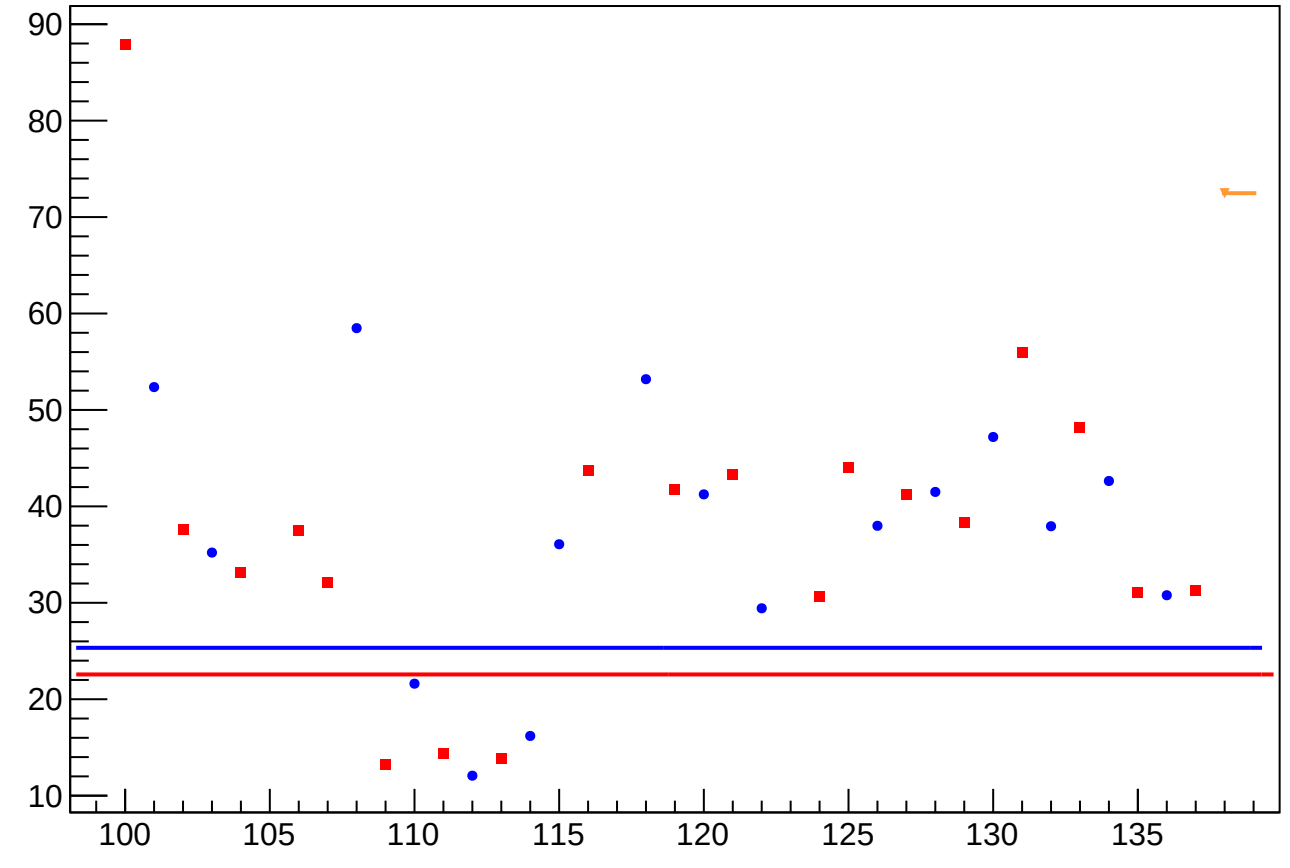
Left: -0.131+/-0.087 χ^2/NDF: 0.0/0

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.023+/-0.011 χ^2/NDF:20.7/15

Out: -0.012+/-0.010 χ^2/NDF:16.1/19

All: 0.003+/-0.007 χ^2/NDF: 42.7/35



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 72.476+/-0.062 χ^2/NDF:0.0/0

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

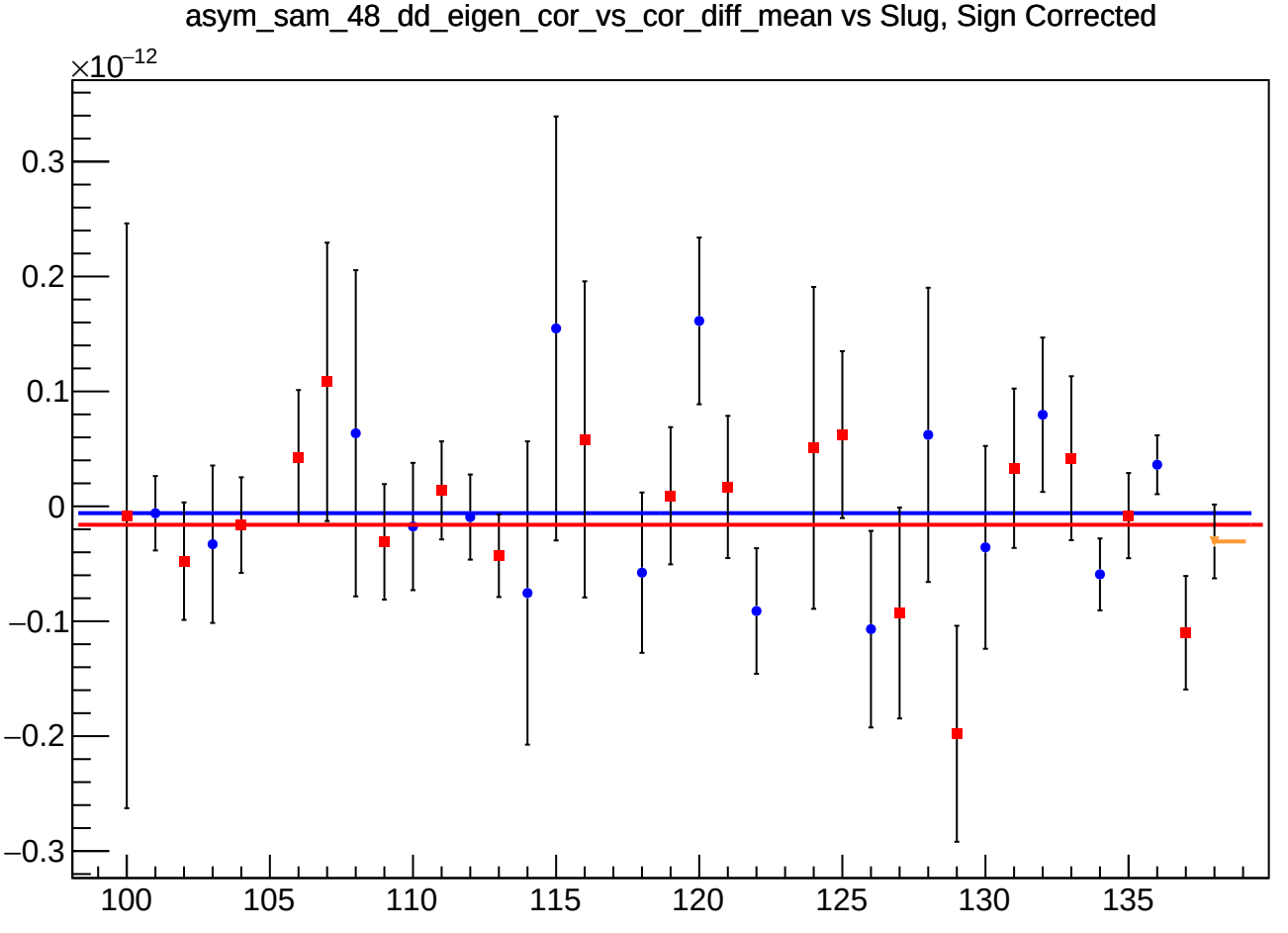
Left: 72.476+/-0.062 χ^2/NDF: 0.0/0

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 25.332+/-0.008 χ^2/NDF:2925549.0/15

Out: 23.196+/-0.007 χ^2/NDF:3789697.3/19

All: 24.129+/-0.005 χ^2/NDF: 6757225.8/35



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

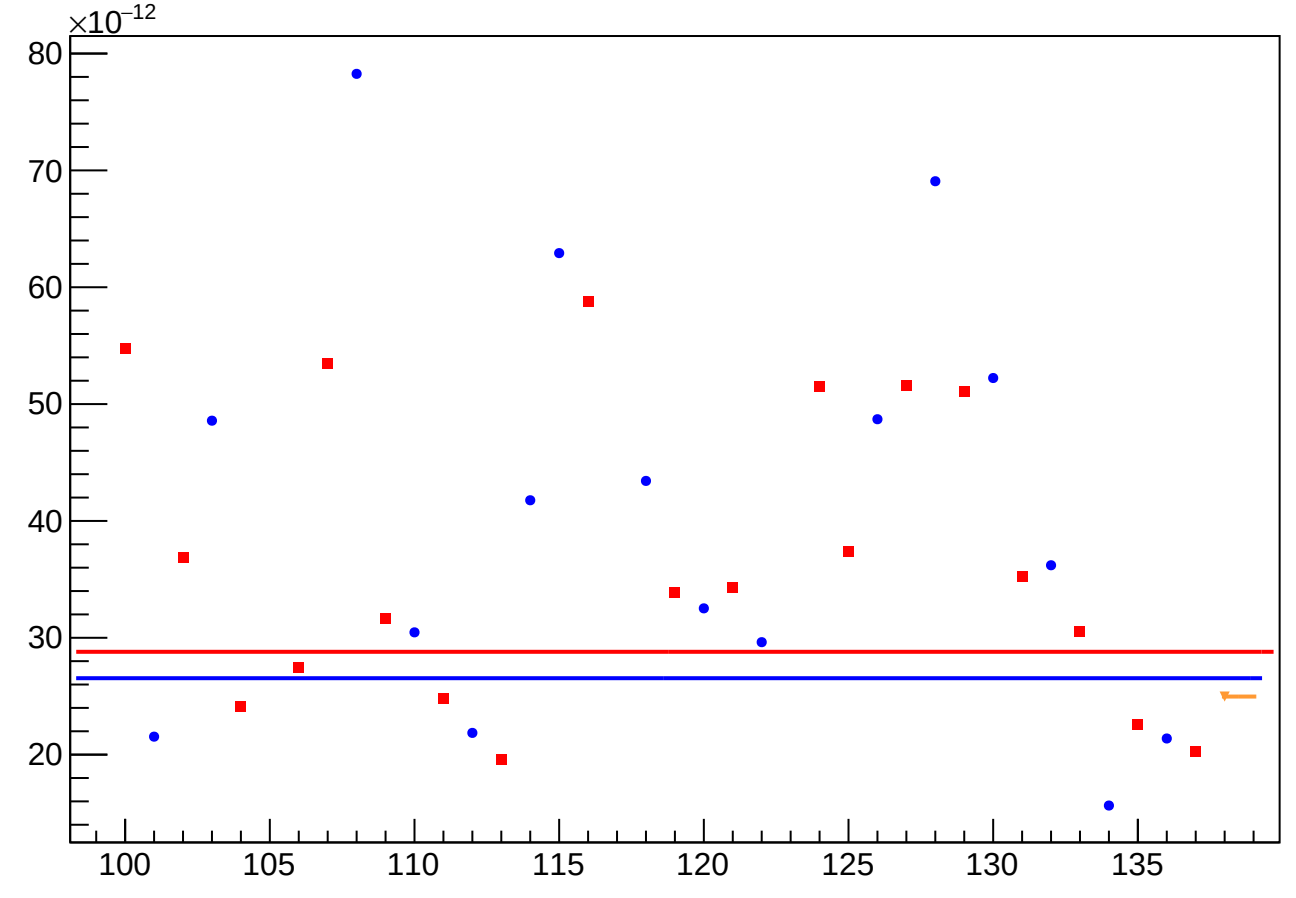
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:18.8/15

Out: -0.000+/-0.000 χ^2/NDF:15.2/19

All: -0.000+/-0.000 χ^2/NDF: 34.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

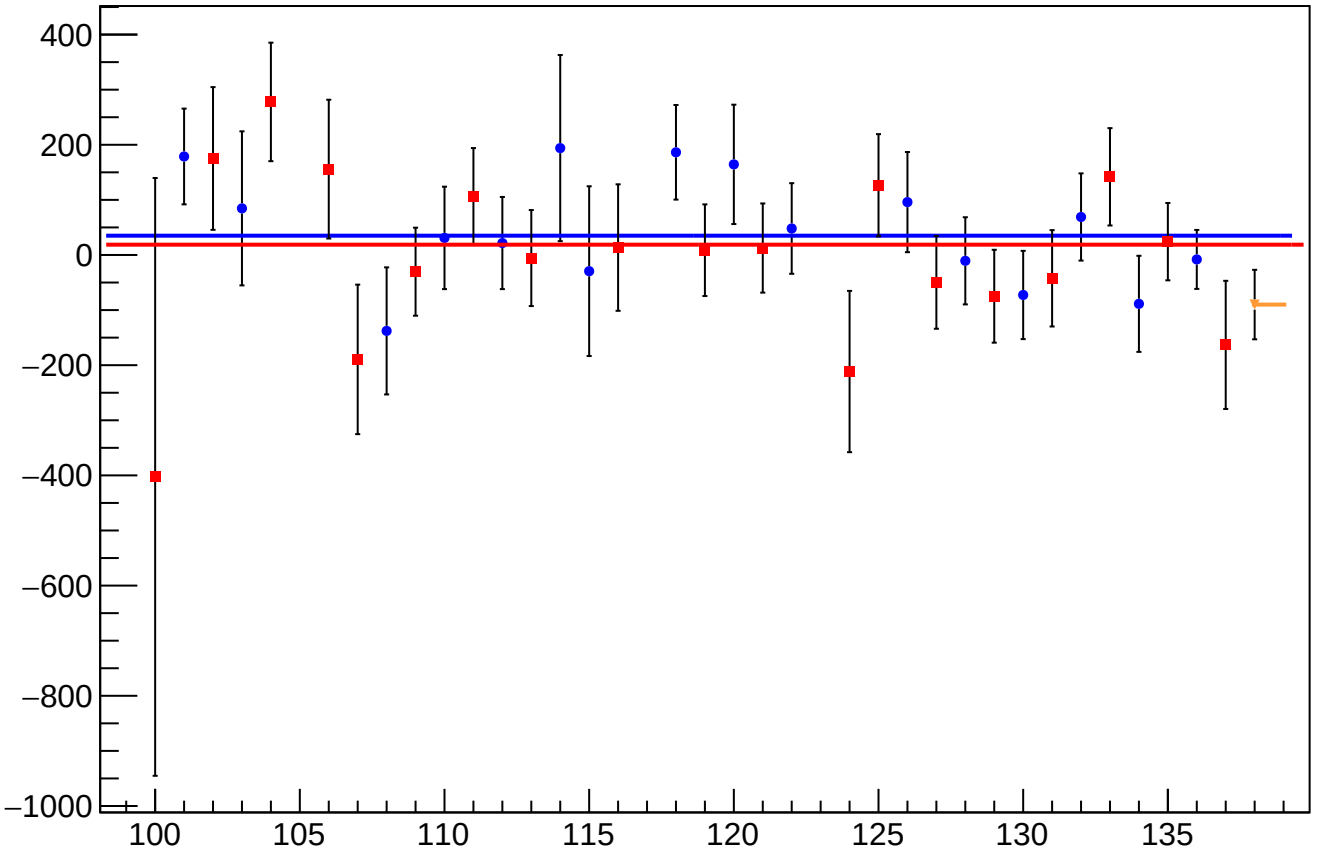
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 2634482.2/34

In: 0.000+/-0.000 χ^2/NDF:1693643.0/15

Out: 0.000+/-0.000 χ^2/NDF:934987.0/19

All: 0.000+/-0.000 χ^2/NDF: 2647085.4/35



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -89.995+/-63.034 χ^2/NDF:0.0/0

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

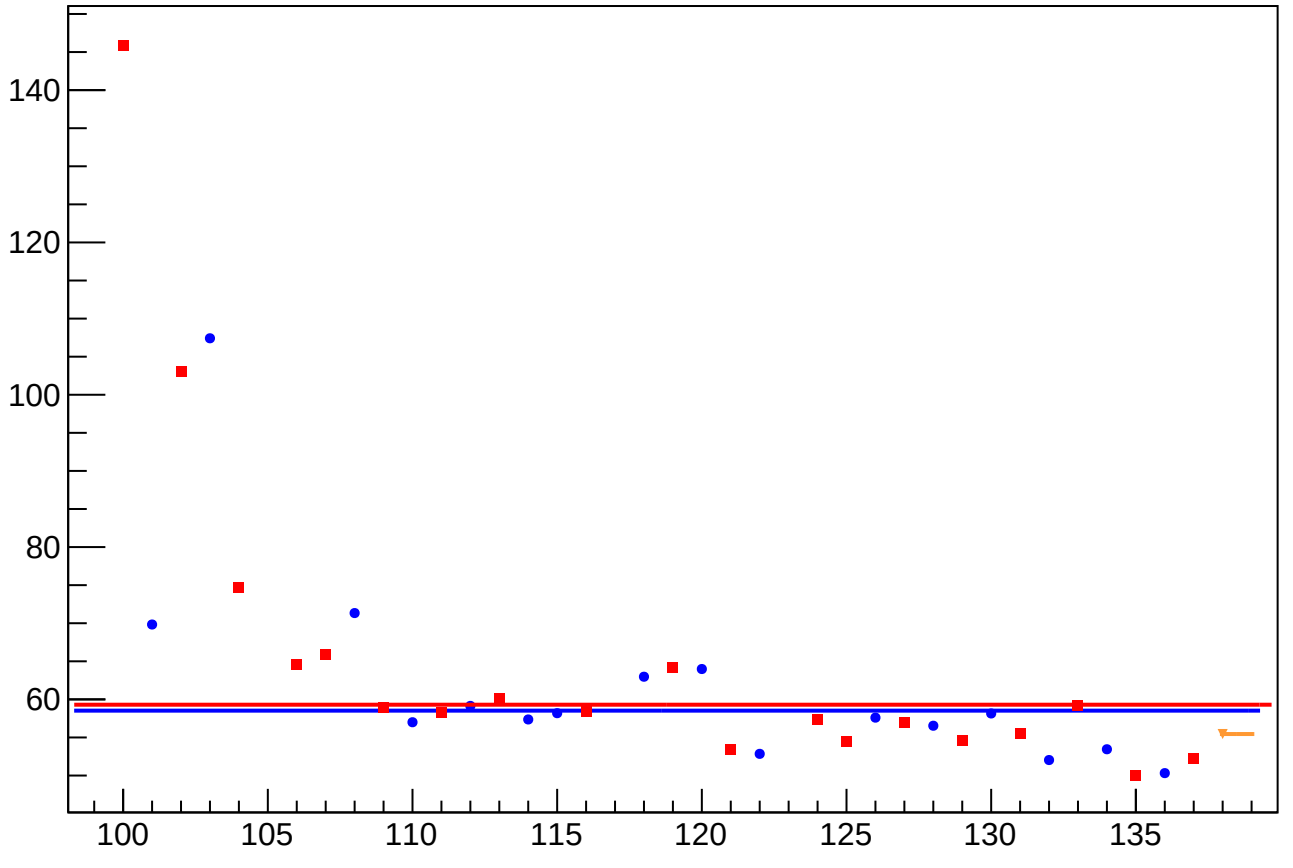
Left: -89.995+/-63.034 χ^2/NDF: 0.0/0

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: 35.018+/-22.134 χ^2/NDF:16.2/15

Out: 6.757+/-20.886 χ^2/NDF:26.2/19

All: 20.069+/-15.191 χ^2/NDF: 43.2/35



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 55.451+/-0.045 χ^2/NDF:0.0/0

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

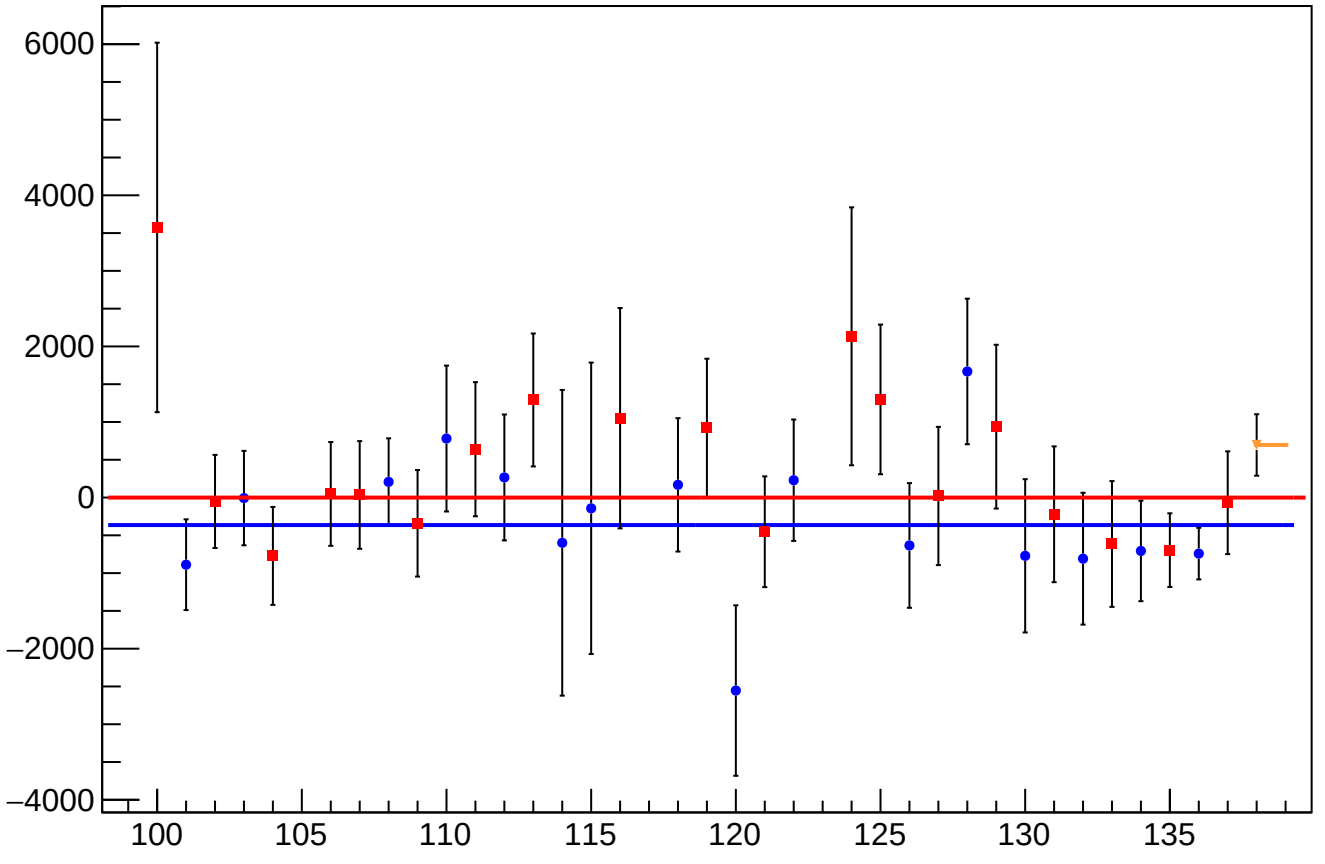
Left: 55.451+/-0.045 χ^2/NDF: 0.0/0

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.522+/-0.016 χ^2/NDF:392742.4/15

Out: 58.879+/-0.015 χ^2/NDF:413254.3/19

All: 58.710+/-0.011 χ^2/NDF: 806271.7/35



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: 695.876+/-406.685 χ^2/NDF:0.0/0

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

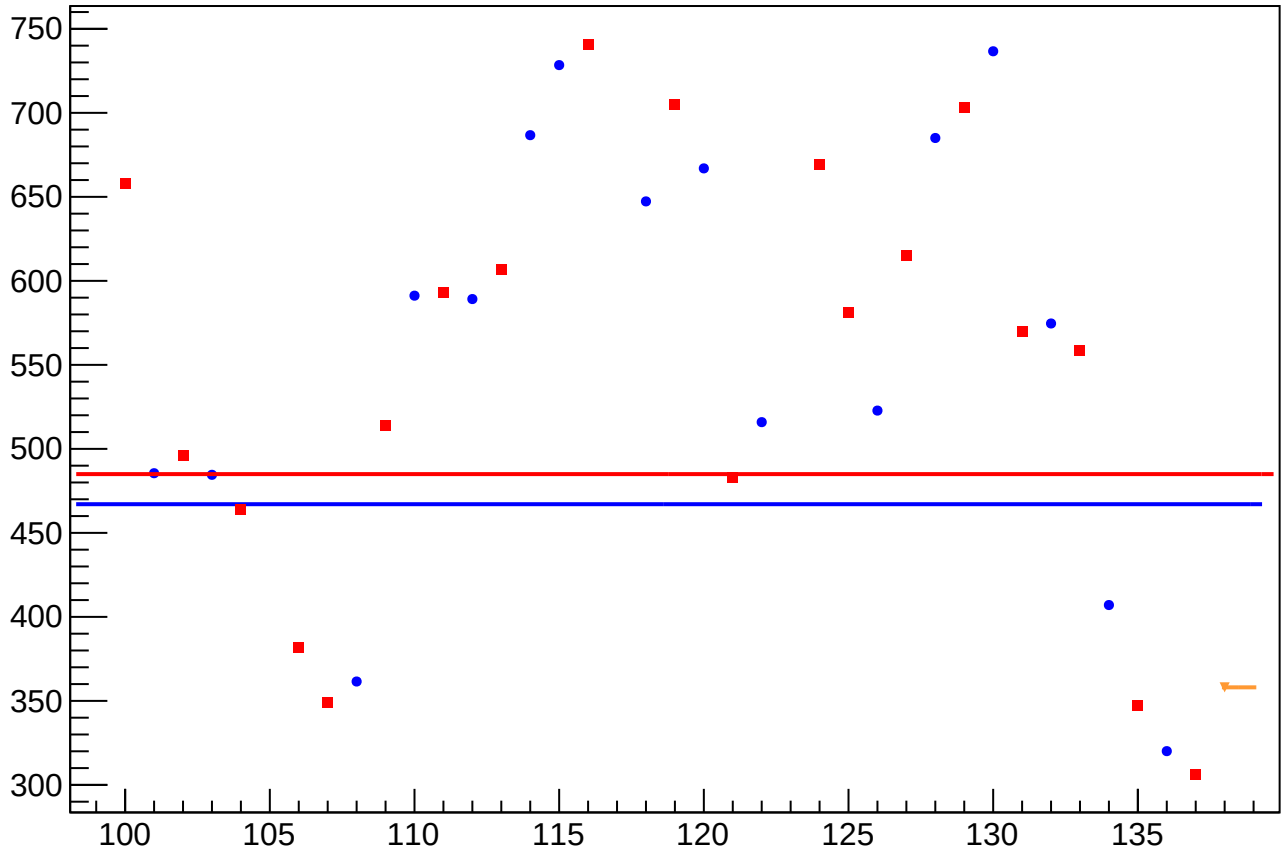
Left: 695.876+/-406.685 χ^2/NDF: 0.0/0

Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -364.076+/-180.601 χ^2/NDF:15.2/15

Out: 116.793+/-166.948 χ^2/NDF:17.5/19

All: -104.780+/-122.593 χ^2/NDF: 36.6/35



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 358.061+/-0.288 χ^2/NDF:0.0/0

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

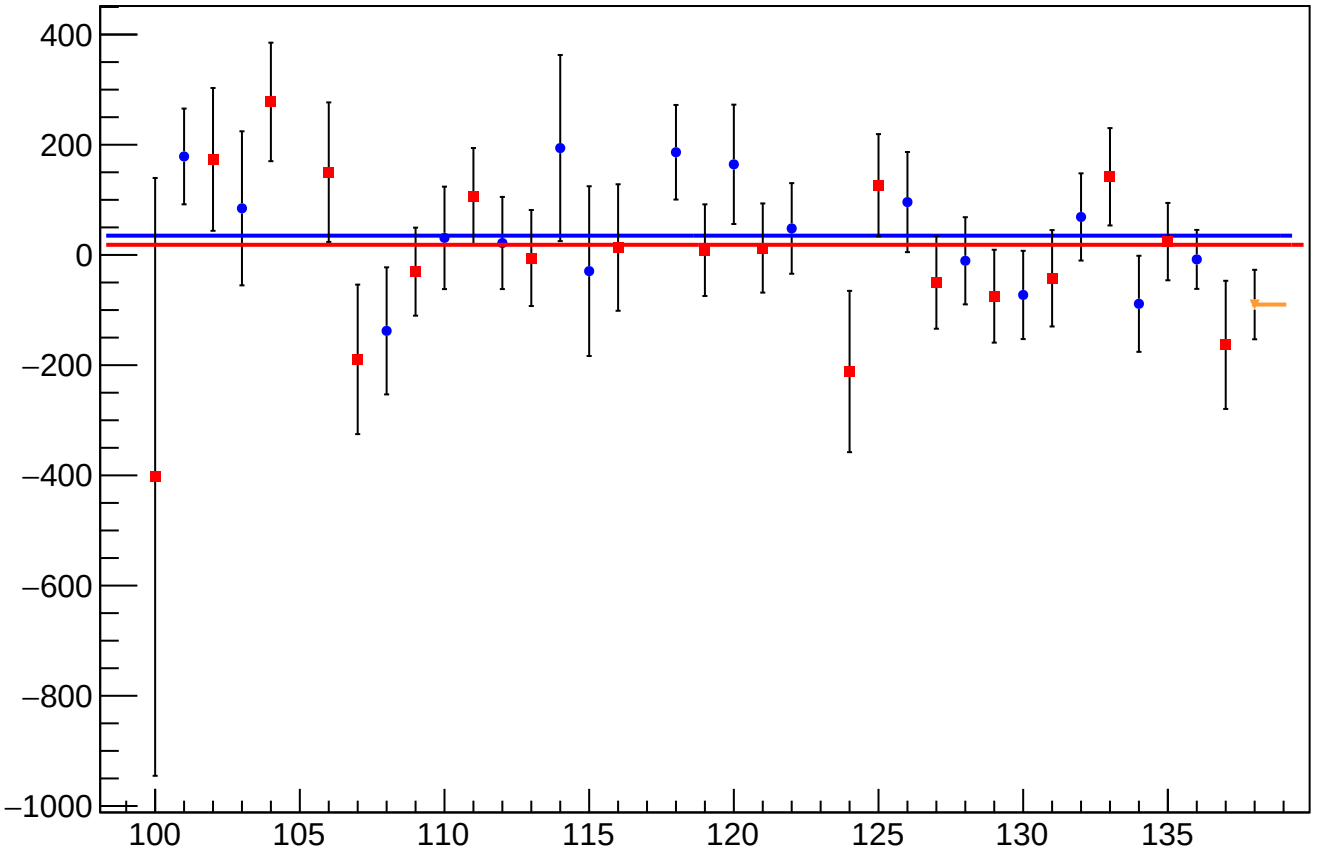
Left: 358.061+/-0.288 χ^2/NDF: 0.0/0

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 467.068+/-0.128 χ^2/NDF:1030279.0/15

Out: 463.593+/-0.118 χ^2/NDF:1036070.5/19

All: 465.194+/-0.087 χ^2/NDF: 2066748.6/35



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -89.993+/-63.034 χ^2/NDF:0.0/0

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

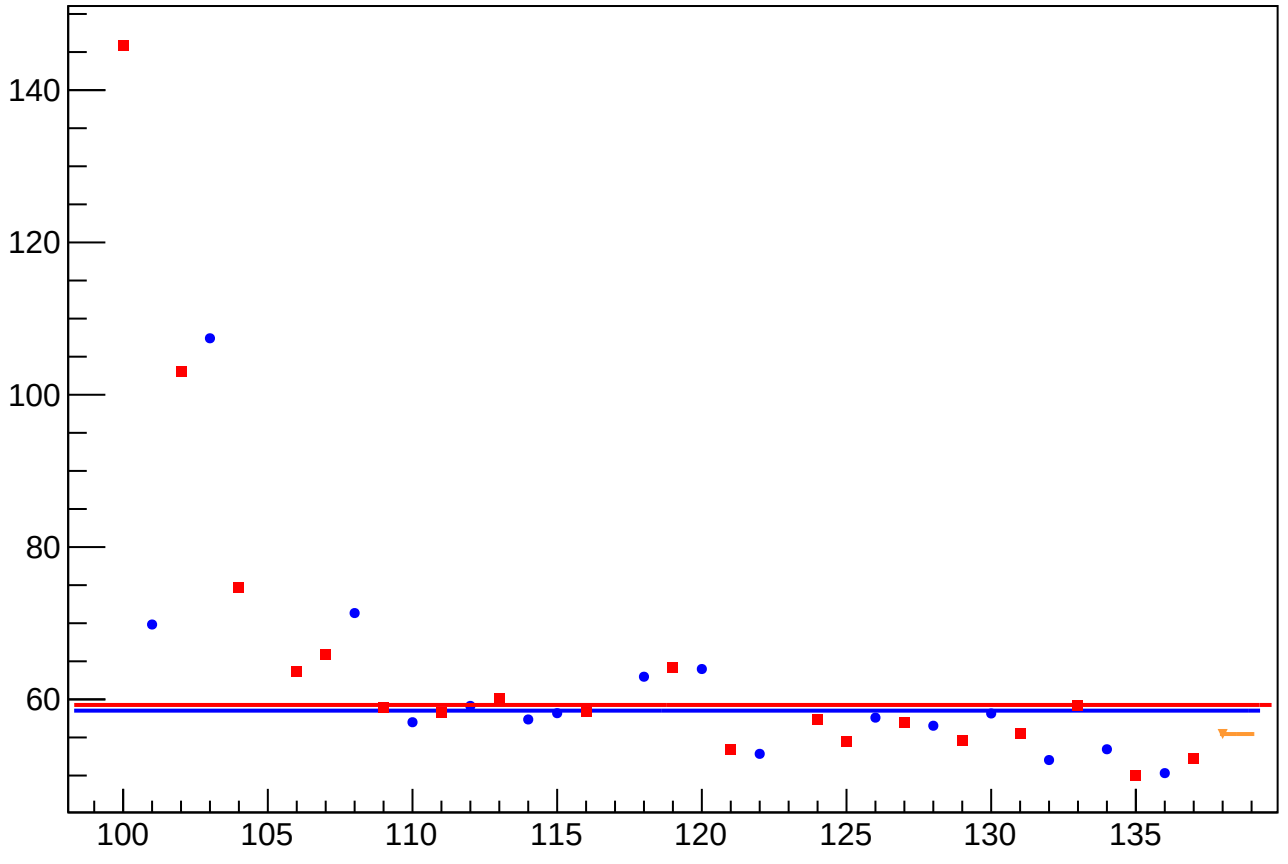
Left: -89.993+/-63.034 χ^2/NDF: 0.0/0

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: 35.017+/-22.134 χ^2/NDF:16.2/15

Out: 6.510+/-20.890 χ^2/NDF:26.0/19

All: 19.940+/-15.192 χ^2/NDF: 43.1/35



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 55.451+/-0.045 χ^2/NDF:0.0/0

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

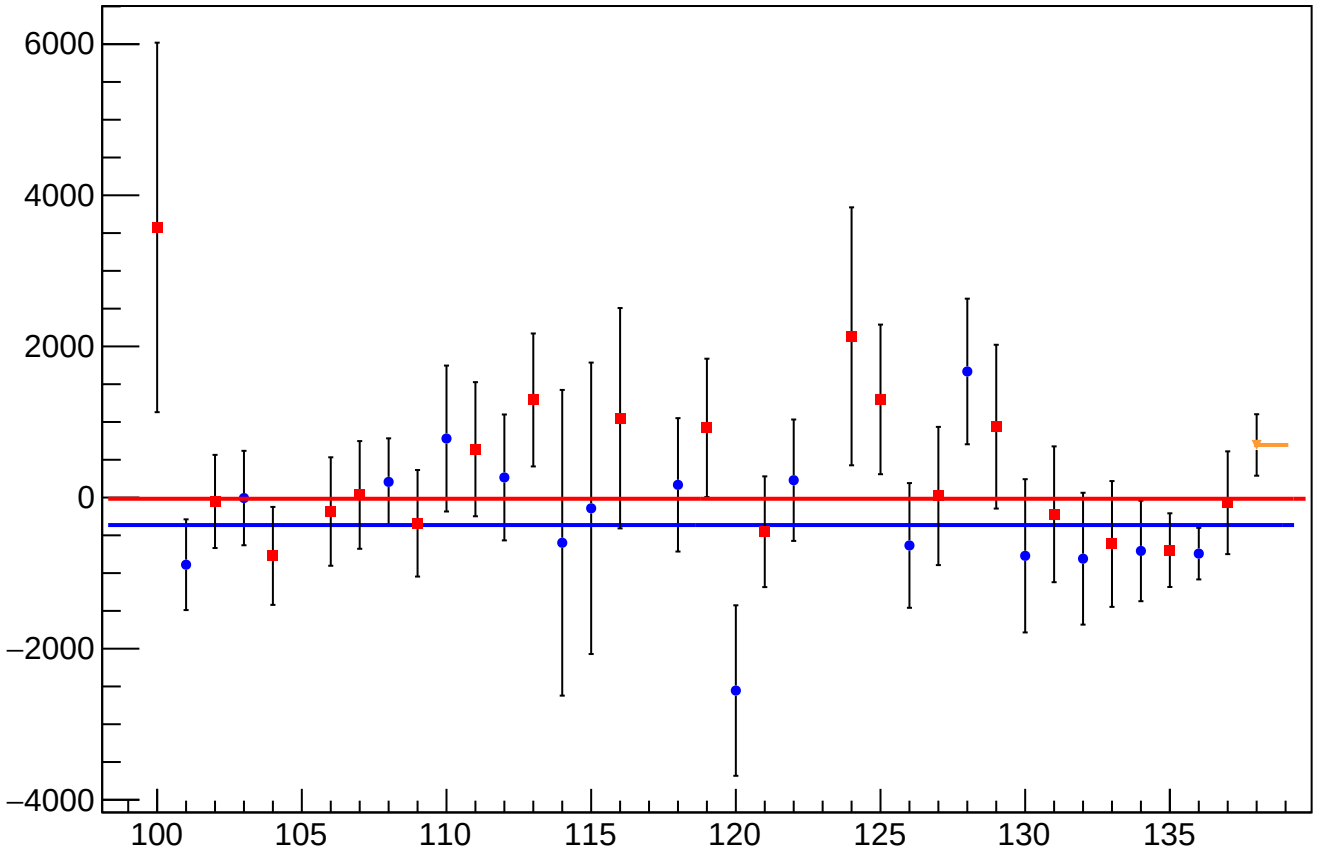
Left: 55.451+/-0.045 χ^2/NDF: 0.0/0

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.522+/-0.016 χ^2/NDF:392744.5/15

Out: 58.850+/-0.015 χ^2/NDF:412149.5/19

All: 58.695+/-0.011 χ^2/NDF: 805126.8/35



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: 695.869+/-406.686 χ^2/NDF:0.0/0

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

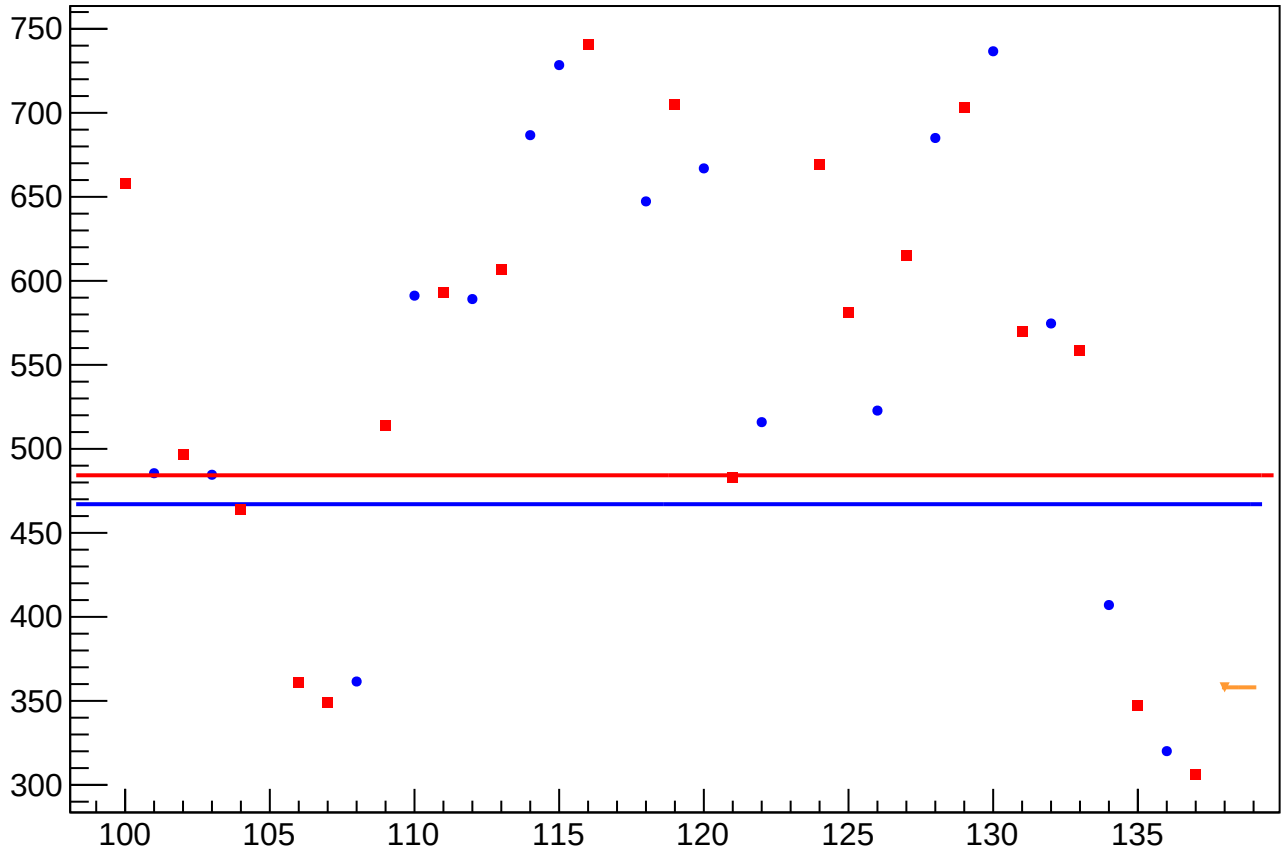
Left: 695.869+/-406.686 χ^2/NDF: 0.0/0

Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -364.040+/-180.602 χ^2/NDF:15.2/15

Out: 104.506+/-167.376 χ^2/NDF:17.7/19

All: -111.984+/-122.762 χ^2/NDF: 36.5/35



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 358.062+/-0.288 χ^2/NDF:0.0/0

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

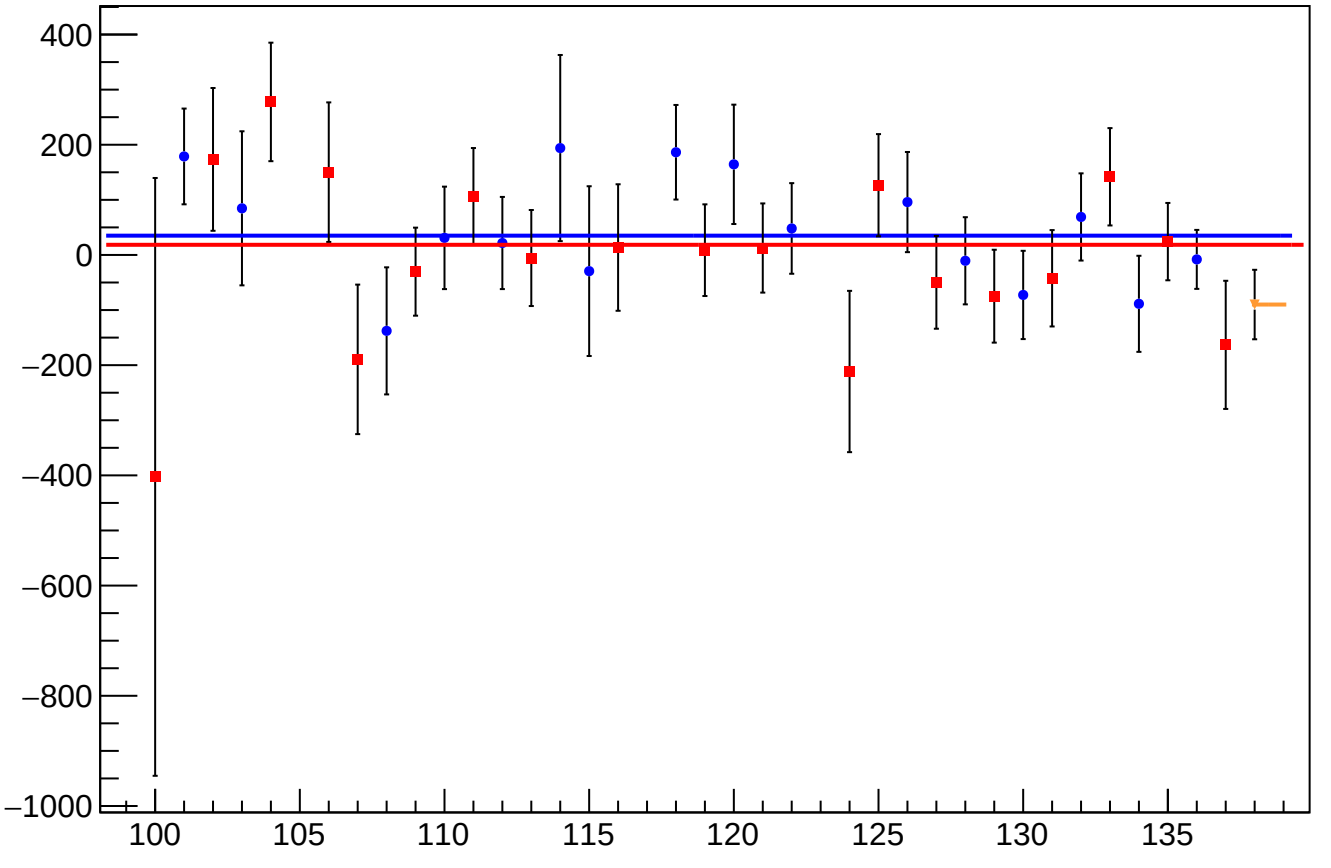
Left: 358.062+/-0.288 χ^2/NDF: 0.0/0

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 467.071+/-0.128 χ^2/NDF:1030281.3/15

Out: 462.896+/-0.118 χ^2/NDF:1048795.6/19

All: 464.825+/-0.087 χ^2/NDF: 2079651.9/35



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -89.993+/-63.034 χ^2/NDF:0.0/0

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

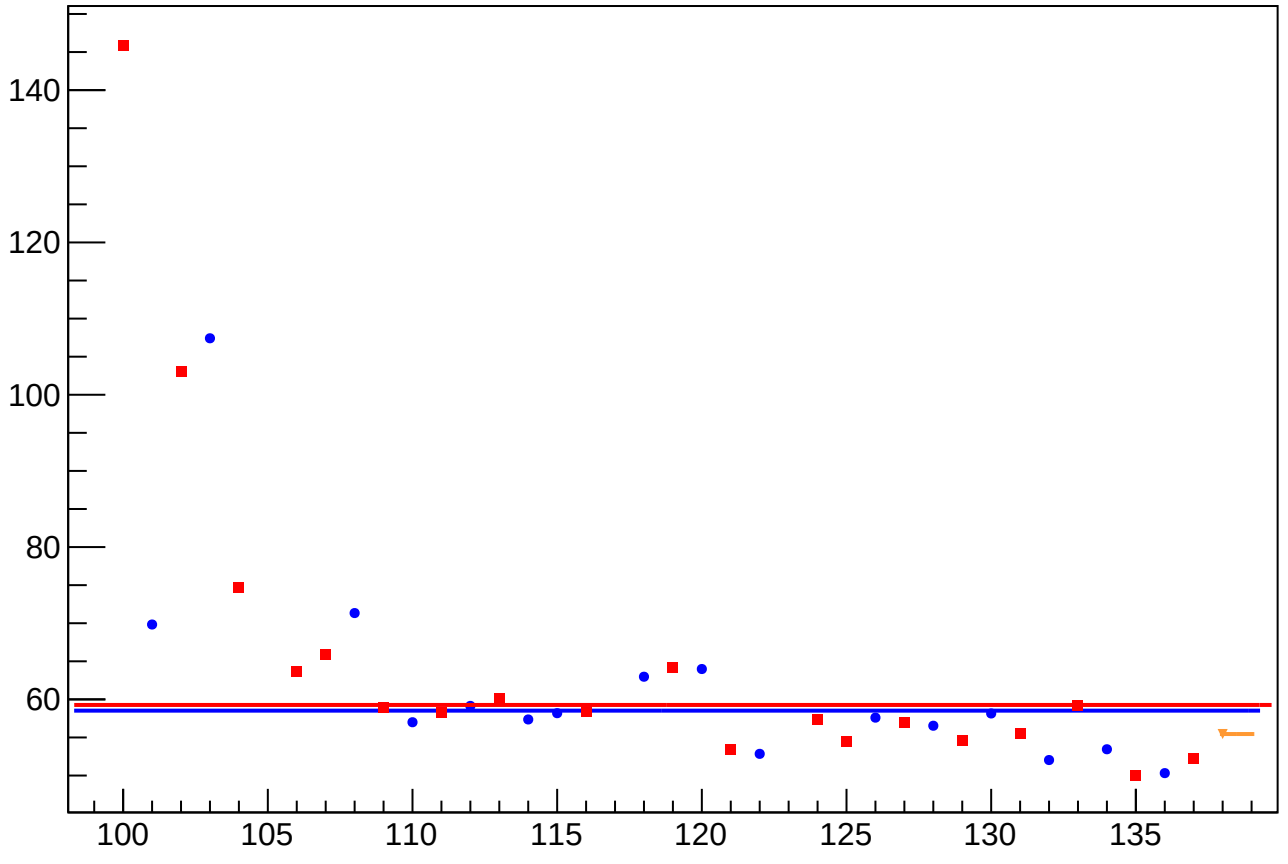
Left: -89.993+/-63.034 χ^2/NDF: 0.0/0

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: 35.017+/-22.134 χ^2/NDF:16.2/15

Out: 6.510+/-20.890 χ^2/NDF:26.0/19

All: 19.940+/-15.192 χ^2/NDF: 43.1/35



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 55.451+/-0.045 χ^2/NDF:0.0/0

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 55.451+/-0.045 χ^2/NDF: 0.0/0

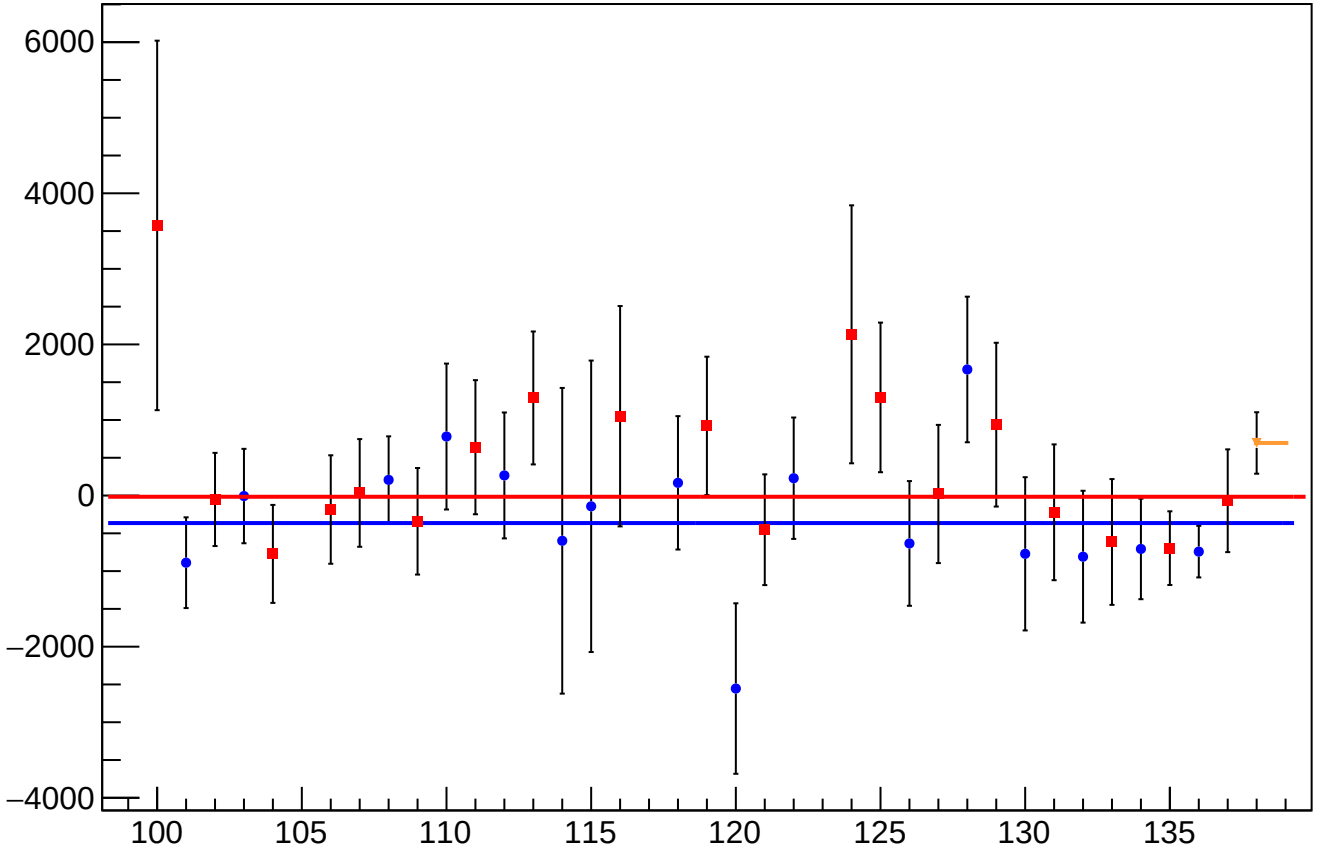
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.522+/-0.016 χ^2/NDF:392744.5/15

Out: 58.850+/-0.015 χ^2/NDF:412149.5/19

All: 58.695+/-0.011 χ^2/NDF: 805126.8/35

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: 695.869+/-406.686 χ^2/NDF:0.0/0

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 695.869+/-406.686 χ^2/NDF: 0.0/0

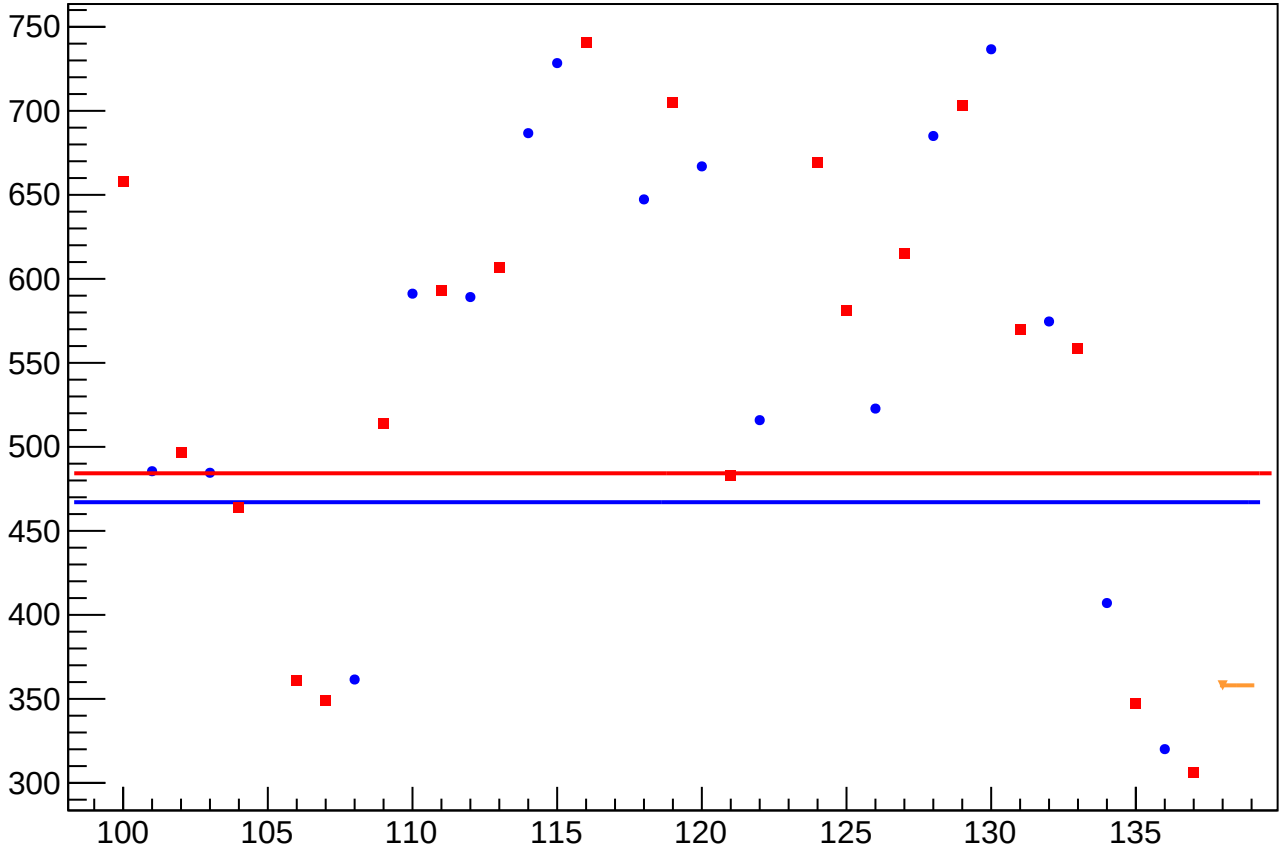
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -364.040+/-180.602 χ^2/NDF:15.2/15

Out: 104.506+/-167.376 χ^2/NDF:17.7/19

All: -111.984+/-122.762 χ^2/NDF: 36.5/35

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: 358.062+/-0.288 χ^2/NDF:0.0/0

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

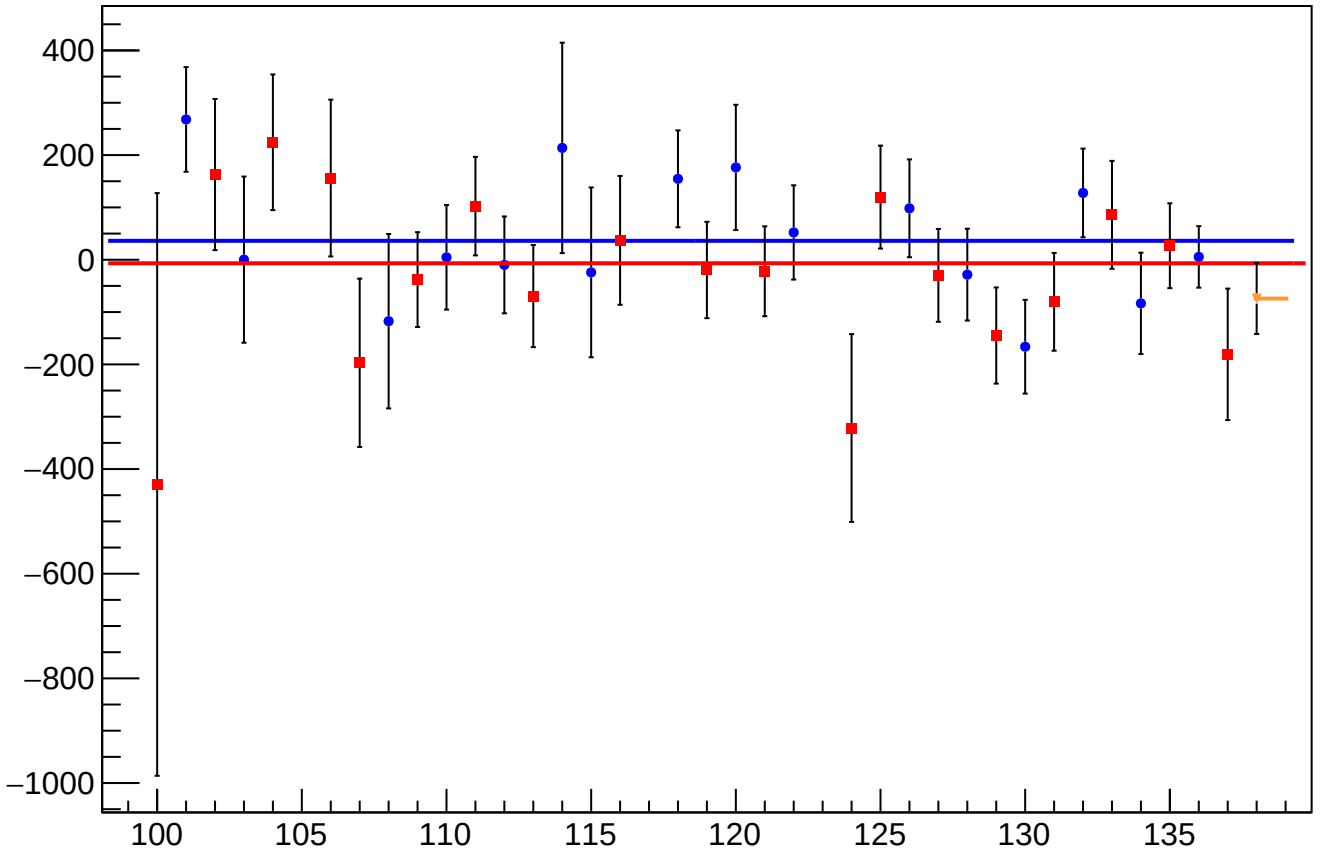
Left: 358.062+/-0.288 χ^2/NDF: 0.0/0

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 467.071+/-0.128 χ^2/NDF:1030281.3/15

Out: 462.896+/-0.118 χ^2/NDF:1048795.6/19

All: 464.825+/-0.087 χ^2/NDF: 2079651.9/35



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -74.163+/-67.704 χ^2/NDF:0.0/0

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

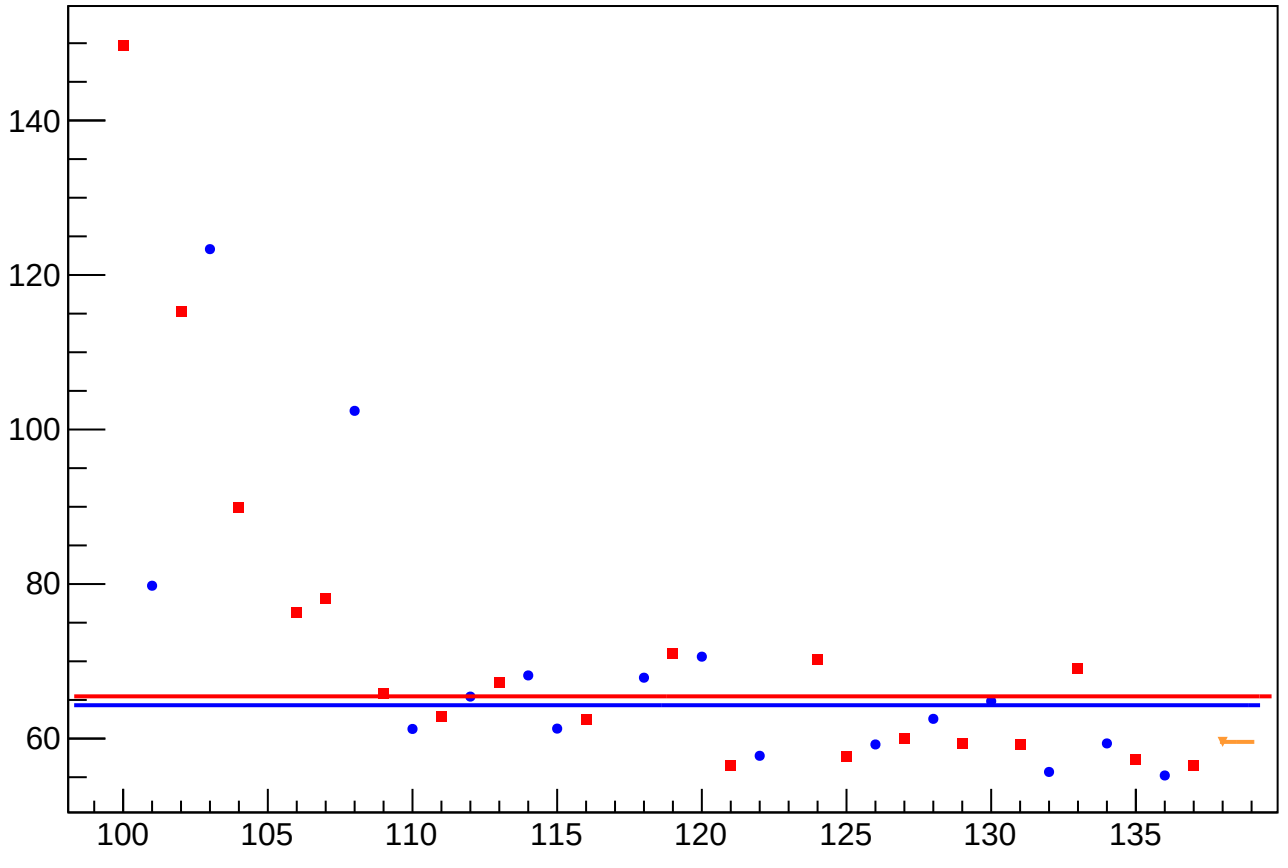
Left: -74.163+/-67.704 χ^2/NDF: 0.0/0

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: 36.157+/-24.471 χ^2/NDF:19.6/15

Out: -14.578+/-23.092 χ^2/NDF:21.2/19

All: 9.319+/-16.795 χ^2/NDF: 43.1/35



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 59.570+/-0.048 χ^2/NDF:0.0/0

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

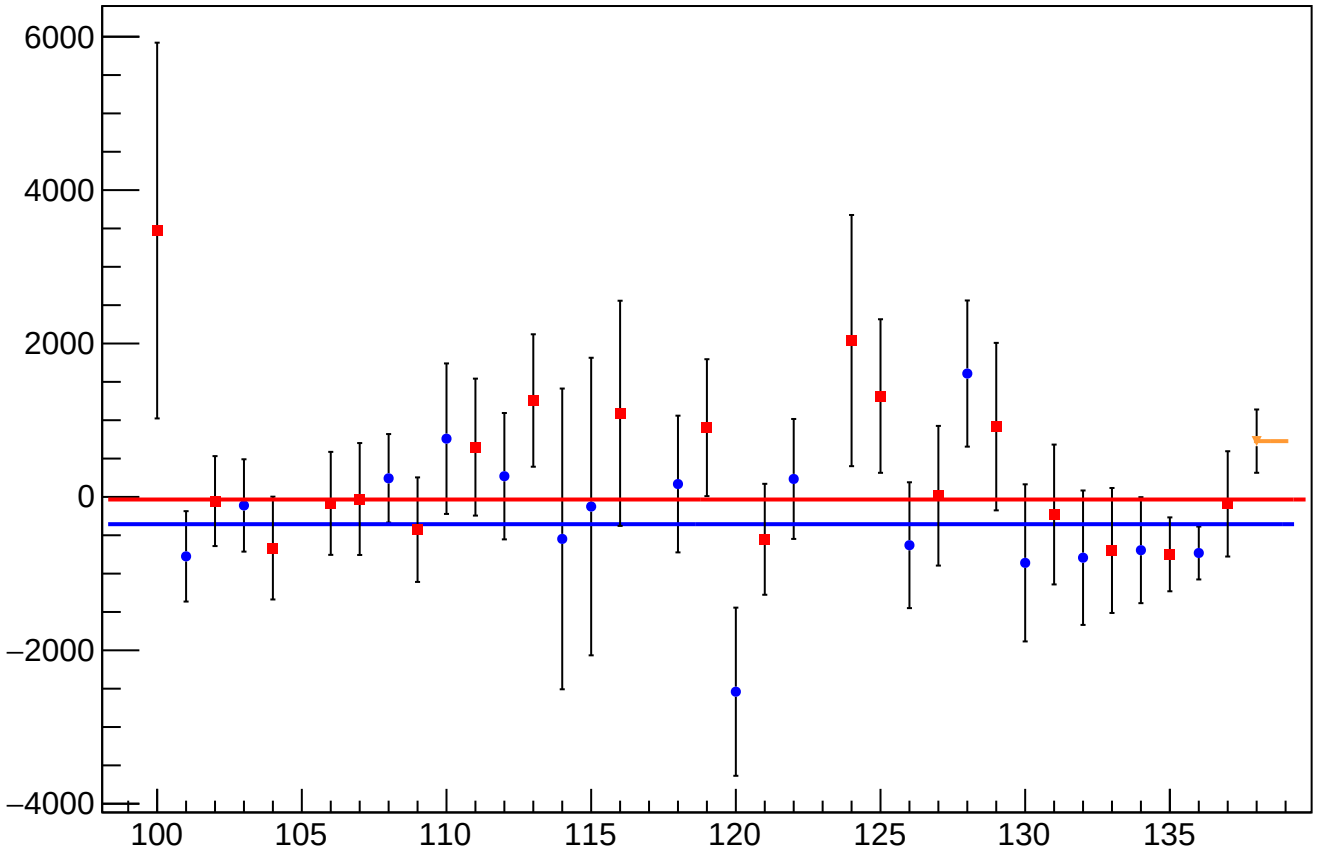
Left: 59.570+/-0.048 χ^2/NDF: 0.0/0

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 64.316+/-0.017 χ^2/NDF:532065.0/15

Out: 64.780+/-0.016 χ^2/NDF:495765.5/19

All: 64.562+/-0.012 χ^2/NDF: 1028210.6/35



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: 727.273+/-412.705 χ^2/NDF:0.0/0

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

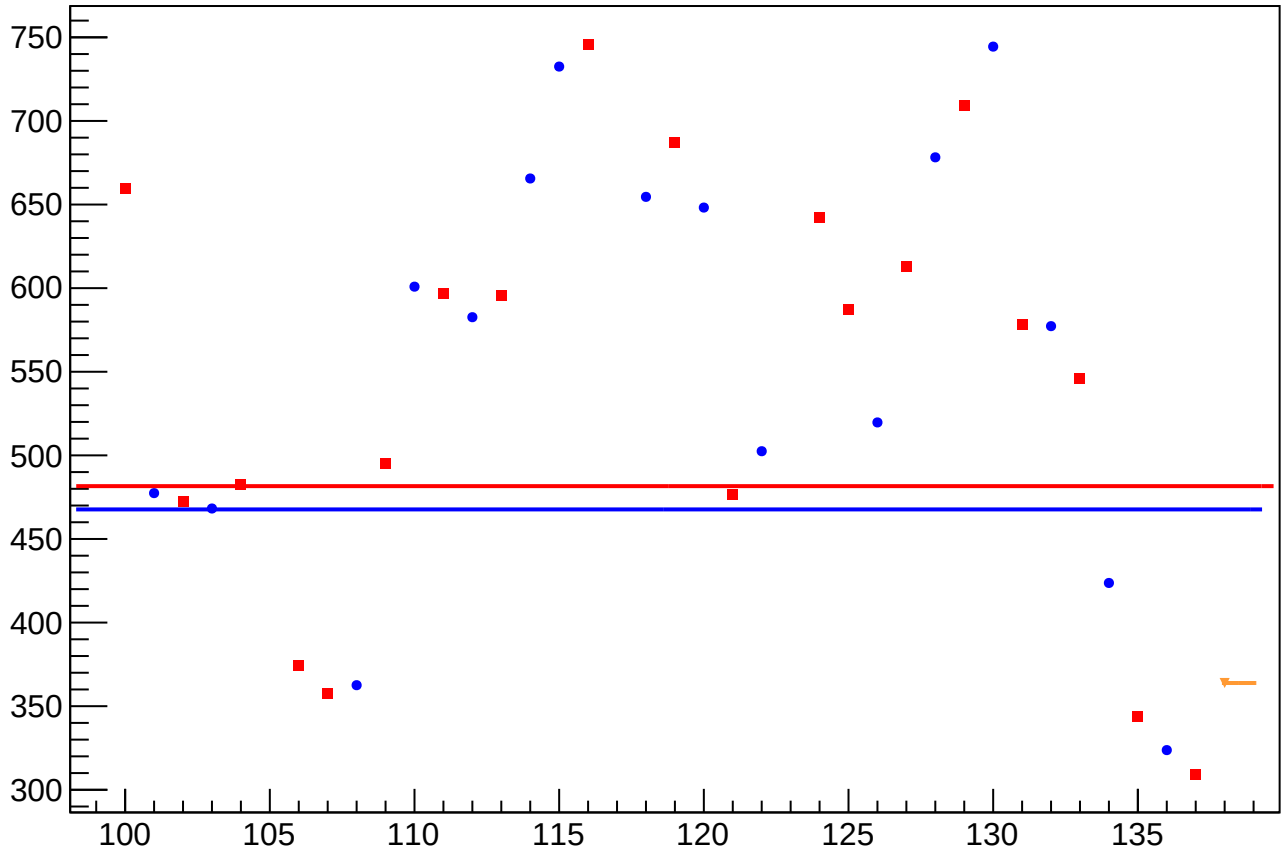
Left: 727.273+/-412.705 χ^2/NDF: 0.0/0

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -355.529+/-180.335 χ^2/NDF:14.8/15

Out: 89.623+/-166.190 χ^2/NDF:18.3/19

All: -114.813+/-122.209 χ^2/NDF: 36.3/35



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 363.865+/-0.292 χ^2/NDF:0.0/0

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

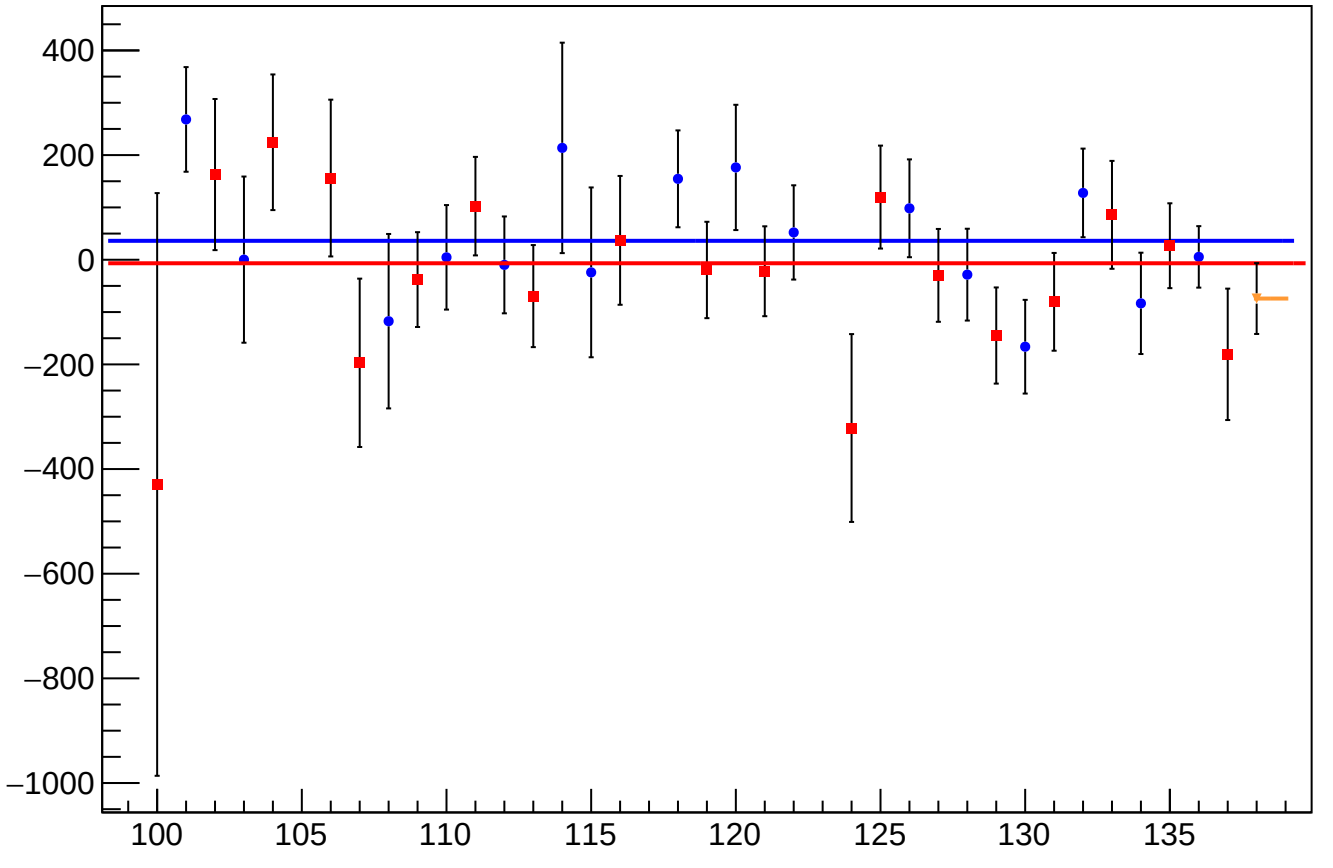
Left: 363.865+/-0.292 χ^2/NDF: 0.0/0

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 467.674+/-0.128 χ^2/NDF:985943.7/15

Out: 462.508+/-0.118 χ^2/NDF:990652.8/19

All: 464.881+/-0.086 χ^2/NDF: 1977484.1/35



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -74.161+/-67.704 χ^2/NDF:0.0/0

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

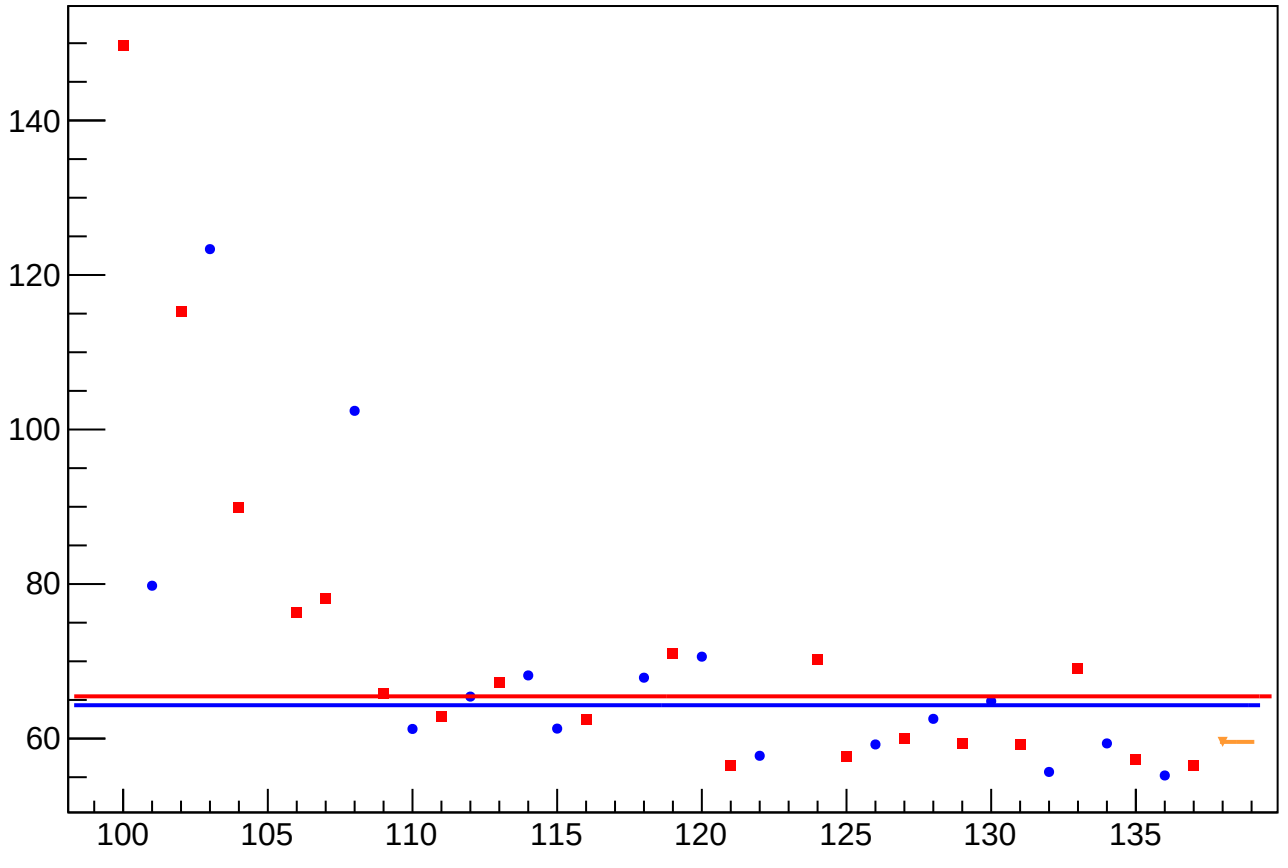
Left: -74.161+/-67.704 χ^2/NDF: 0.0/0

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: 36.157+/-24.471 χ^2/NDF:19.6/15

Out: -14.578+/-23.092 χ^2/NDF:21.2/19

All: 9.319+/-16.795 χ^2/NDF: 43.1/35



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 59.570+/-0.048 χ^2/NDF:0.0/0

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 59.570+/-0.048 χ^2/NDF: 0.0/0

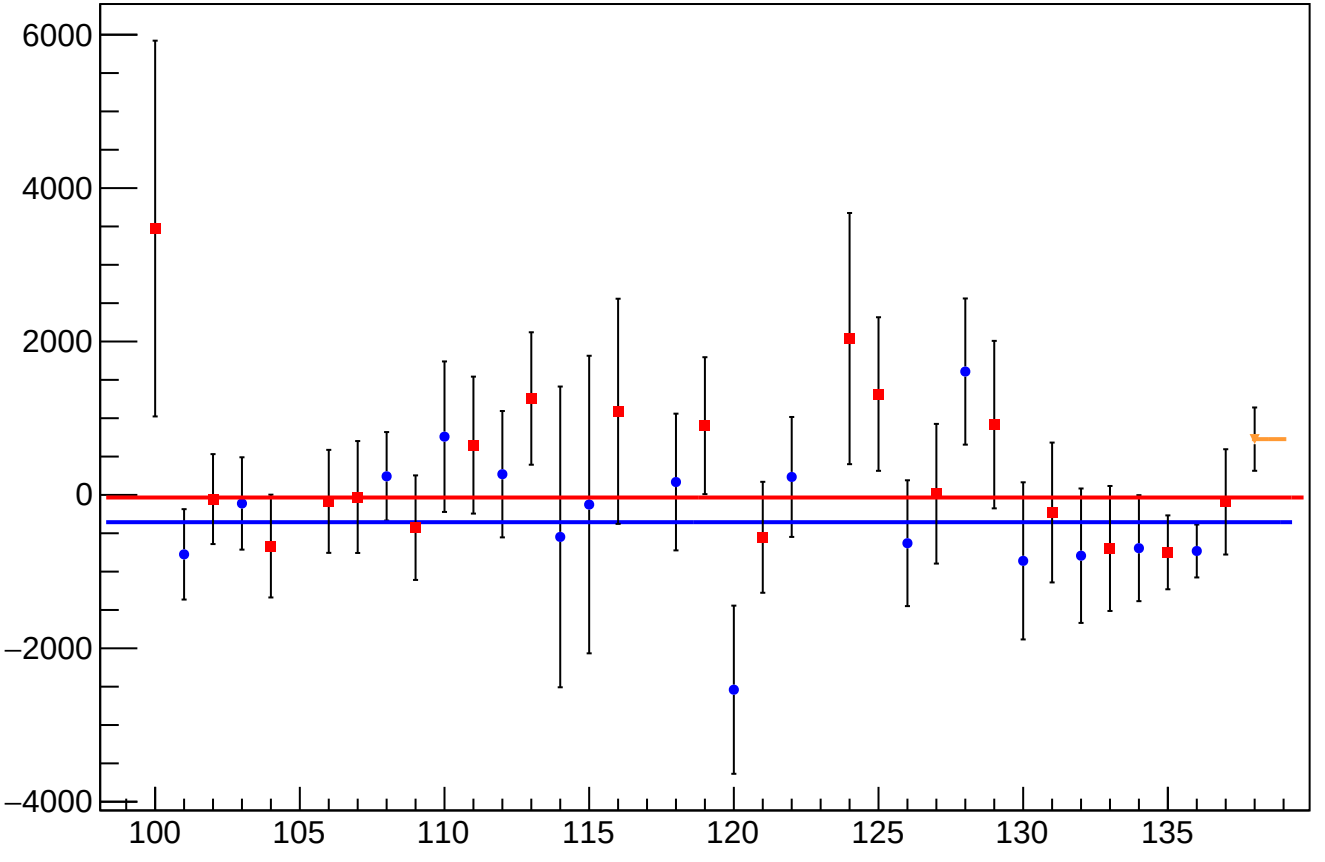
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 64.316+/-0.017 χ^2/NDF:532073.4/15

Out: 64.780+/-0.016 χ^2/NDF:495770.4/19

All: 64.562+/-0.012 χ^2/NDF: 1028224.0/35

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: 727.274+/-412.706 χ^2/NDF:0.0/0

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

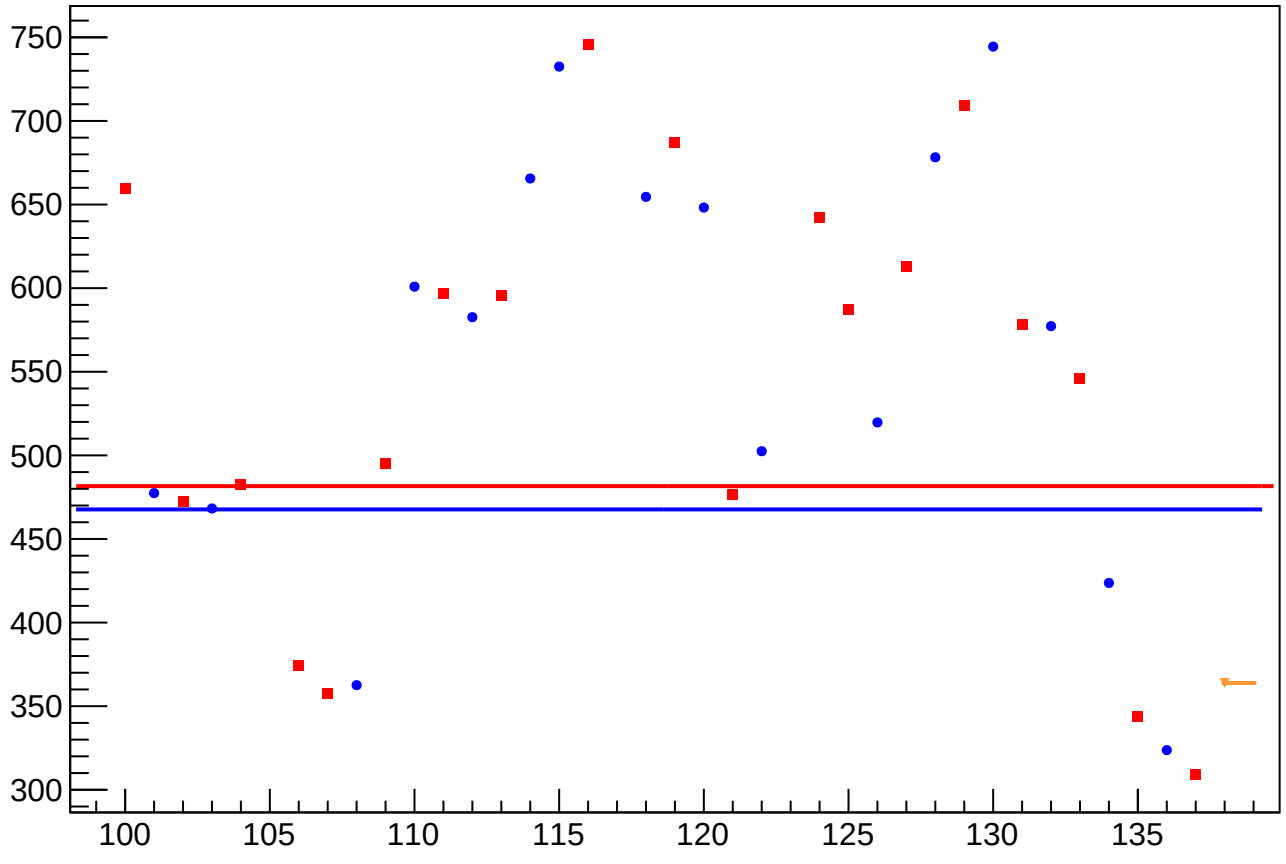
Left: 727.274+/-412.706 χ^2/NDF: 0.0/0

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -355.529+/-180.334 χ^2/NDF:14.8/15

Out: 89.621+/-166.189 χ^2/NDF:18.3/19

All: -114.813+/-122.209 χ^2/NDF: 36.3/35



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 363.866+/-0.292 χ^2/NDF:0.0/0

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 363.866+/-0.292 χ^2/NDF: 0.0/0

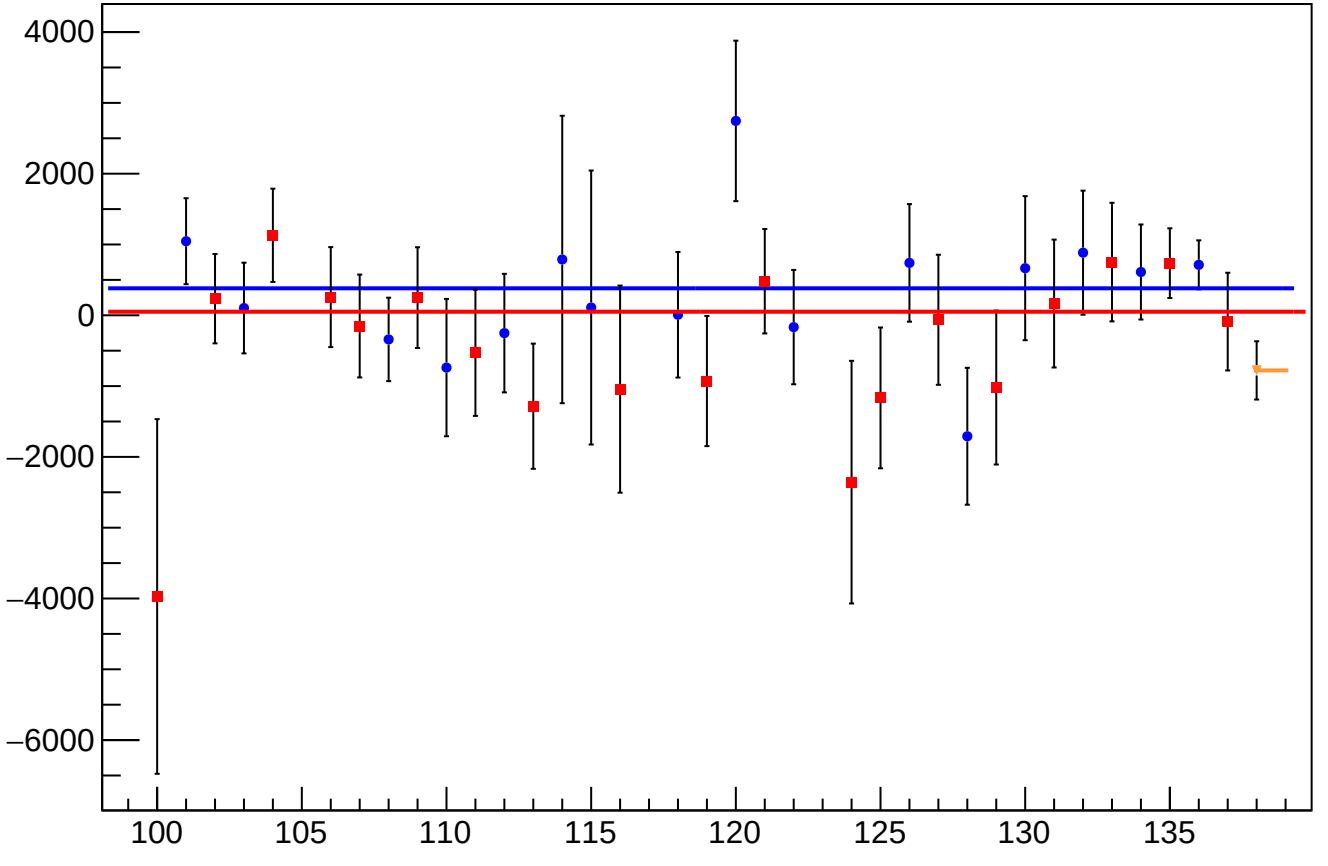
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 467.674+/-0.128 χ^2/NDF:985945.4/15

Out: 462.508+/-0.118 χ^2/NDF:990647.0/19

All: 464.880+/-0.086 χ^2/NDF: 1977479.9/35

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -778.551+/-411.616 χ^2/NDF:0.0/0

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -778.551+/-411.616 χ^2/NDF: 0.0/0

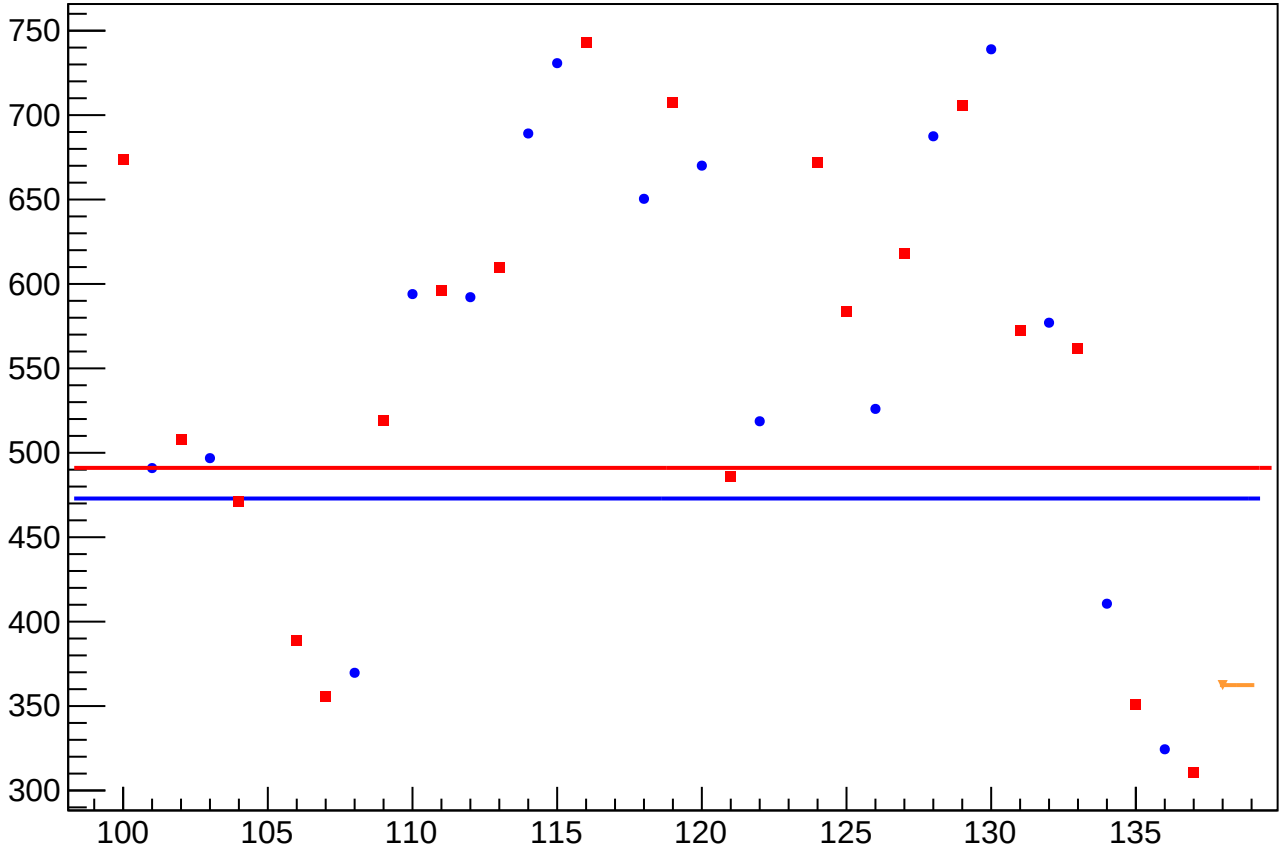
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 381.086+/-182.655 χ^2/NDF:16.1/15

Out: -89.245+/-168.939 χ^2/NDF:20.8/19

All: 127.600+/-124.024 χ^2/NDF: 40.6/35

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 362.412+/-0.291 χ^2/NDF:0.0/0

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

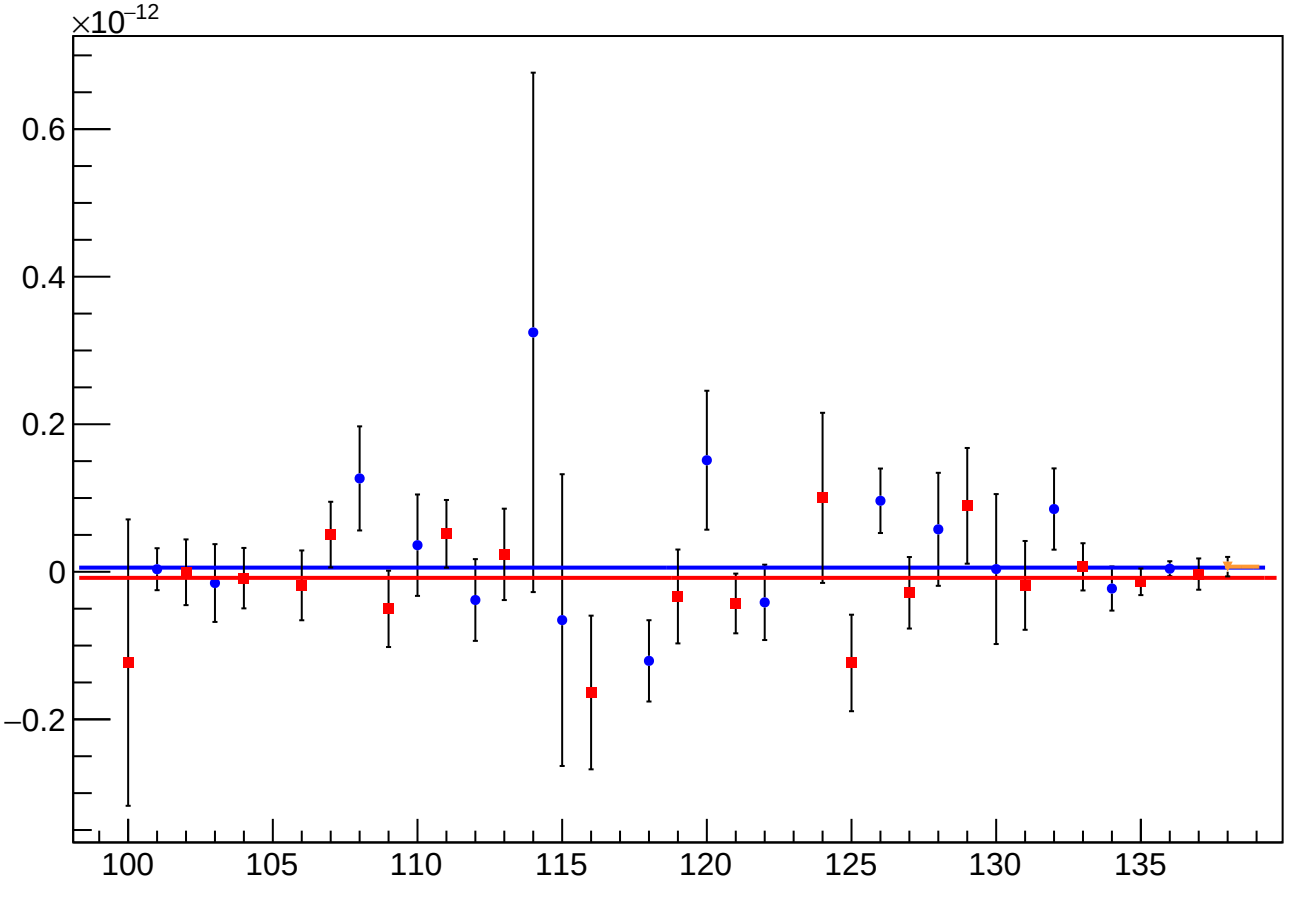
Left: 362.412+/-0.291 χ^2/NDF: 0.0/0

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 472.924+/-0.129 χ^2/NDF:1000274.3/15

Out: 469.391+/-0.119 χ^2/NDF:1009959.1/19

All: 471.020+/-0.088 χ^2/NDF: 2010636.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

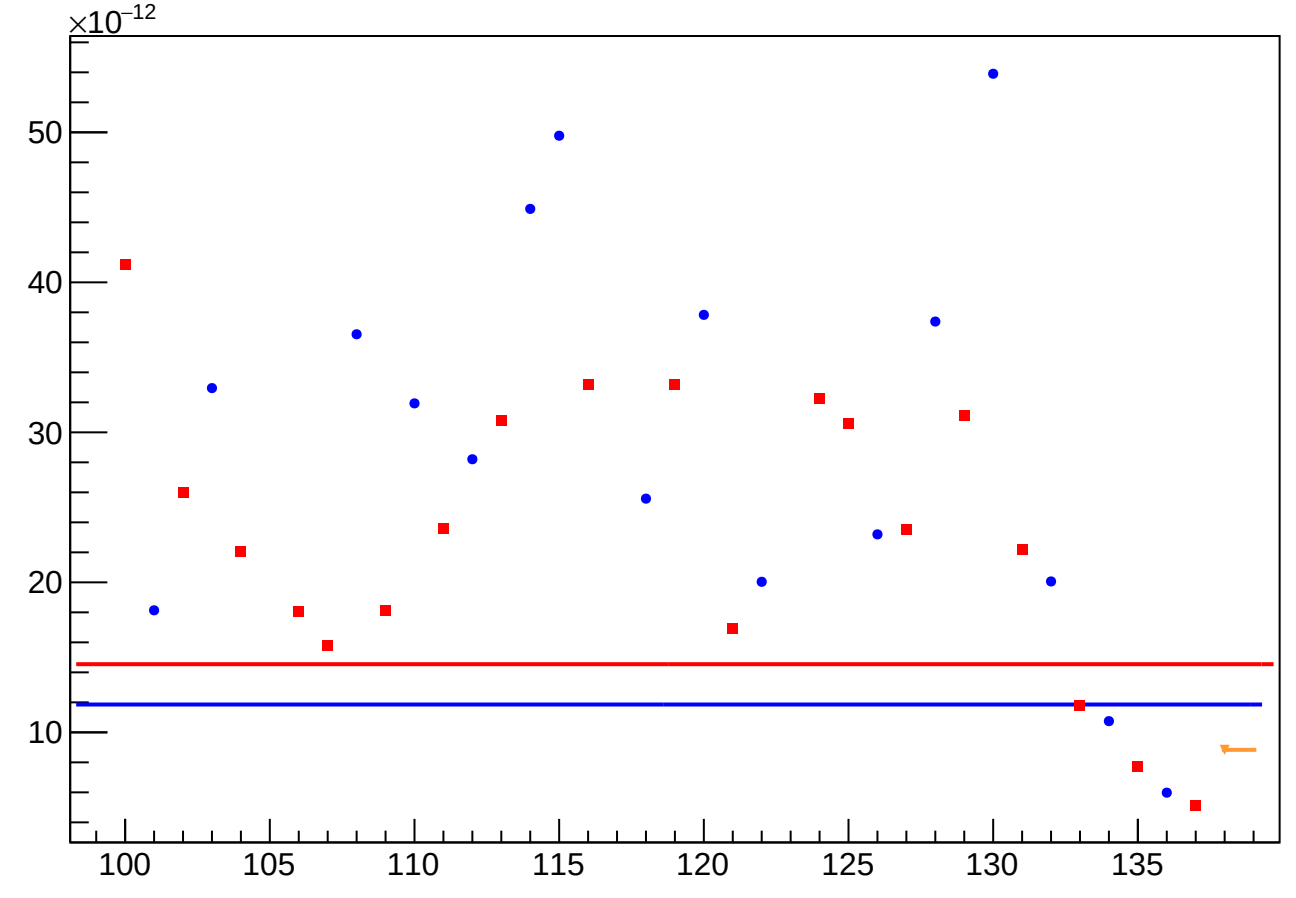
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:21.1/15

Out: -0.000+/-0.000 χ^2/NDF:14.9/19

All: 0.000+/-0.000 χ^2/NDF: 36.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

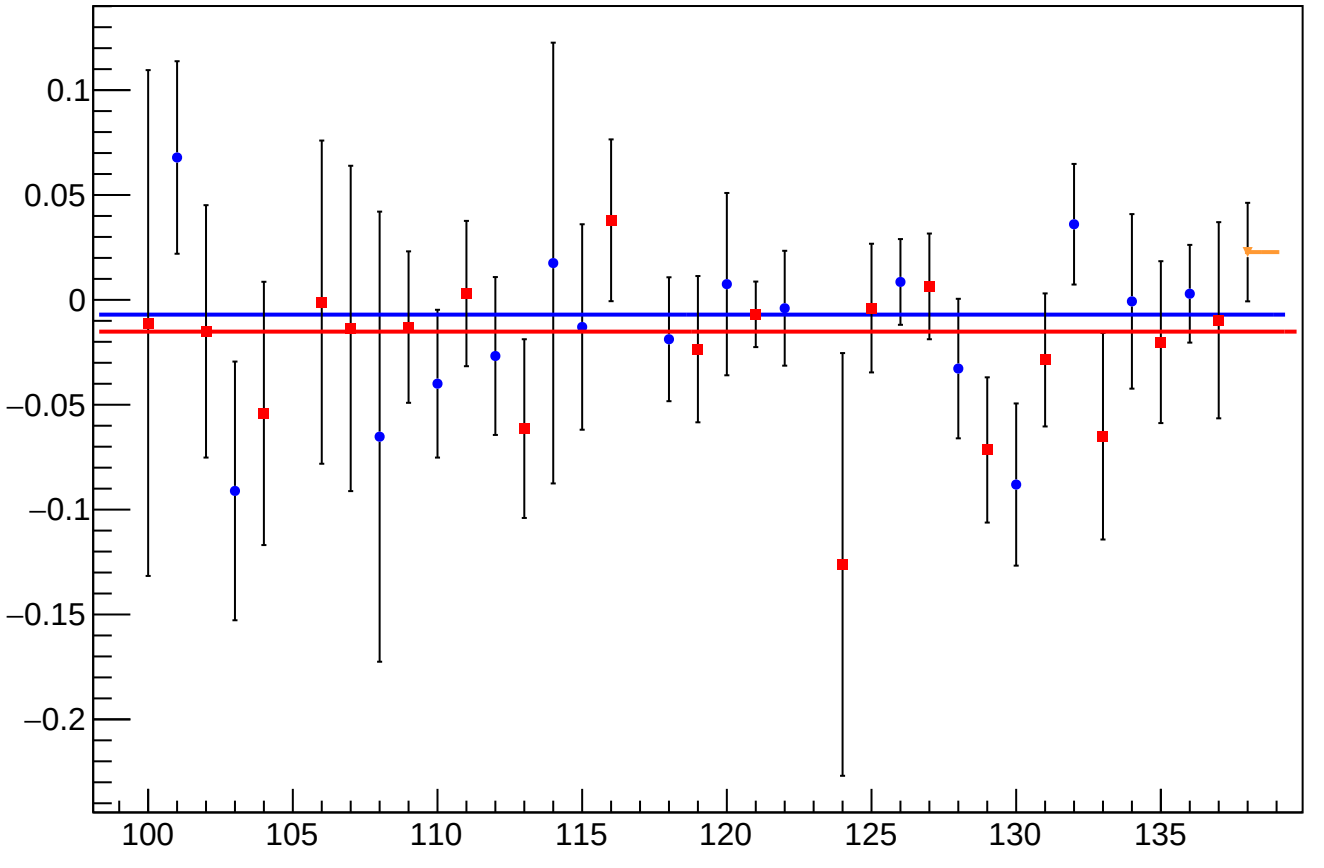
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:2848478.4/15

Out: 0.000+/-0.000 χ^2/NDF:2019797.6/19

All: 0.000+/-0.000 χ^2/NDF: 4878586.1/35



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.023+/-0.023 χ^2/NDF:0.0/0

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.023+/-0.023 χ^2/NDF: 0.0/0

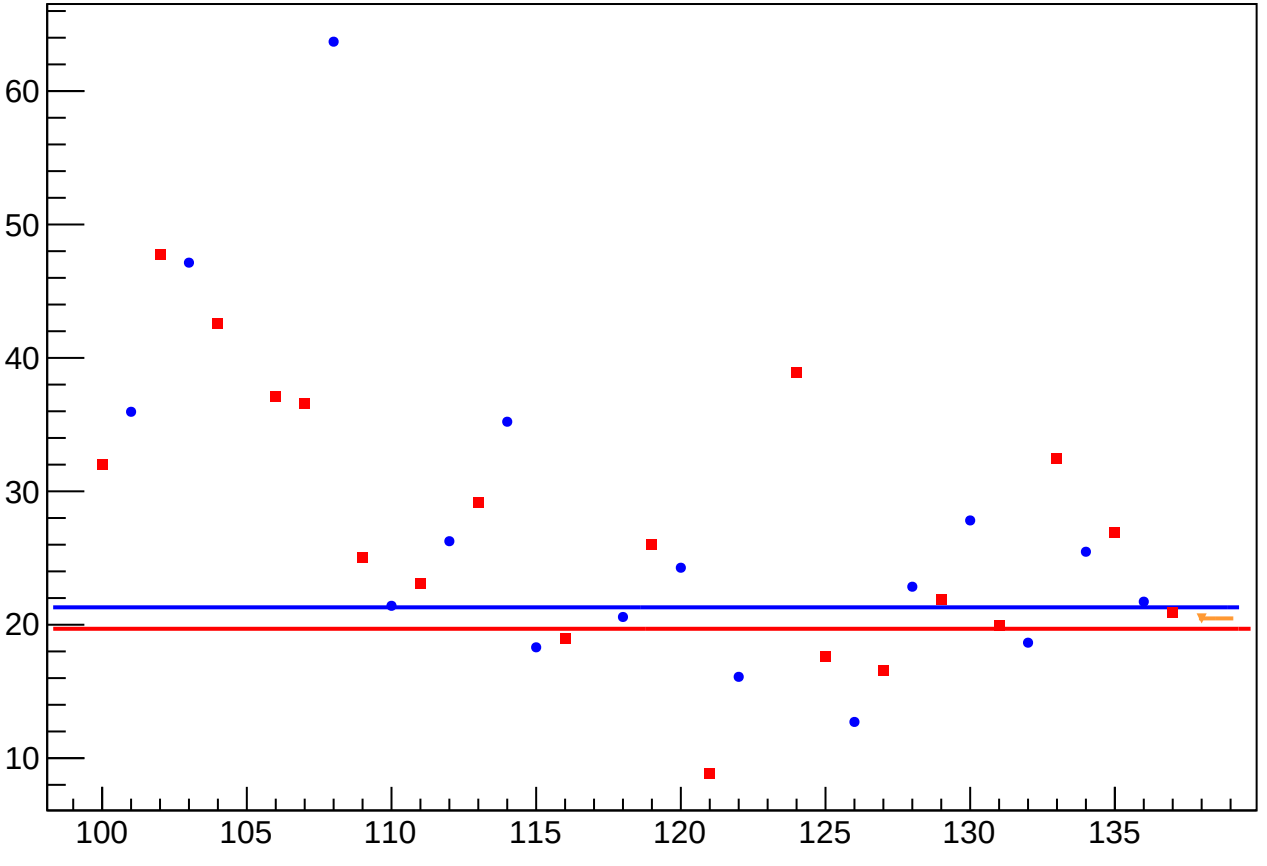
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.007+/-0.009 χ^2/NDF:14.3/15

Out: -0.011+/-0.008 χ^2/NDF:12.4/19

All: -0.009+/-0.006 χ^2/NDF: 26.9/35

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.474+/-0.017 χ^2/NDF:0.0/0

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 20.474+/-0.017 χ^2/NDF: 0.0/0

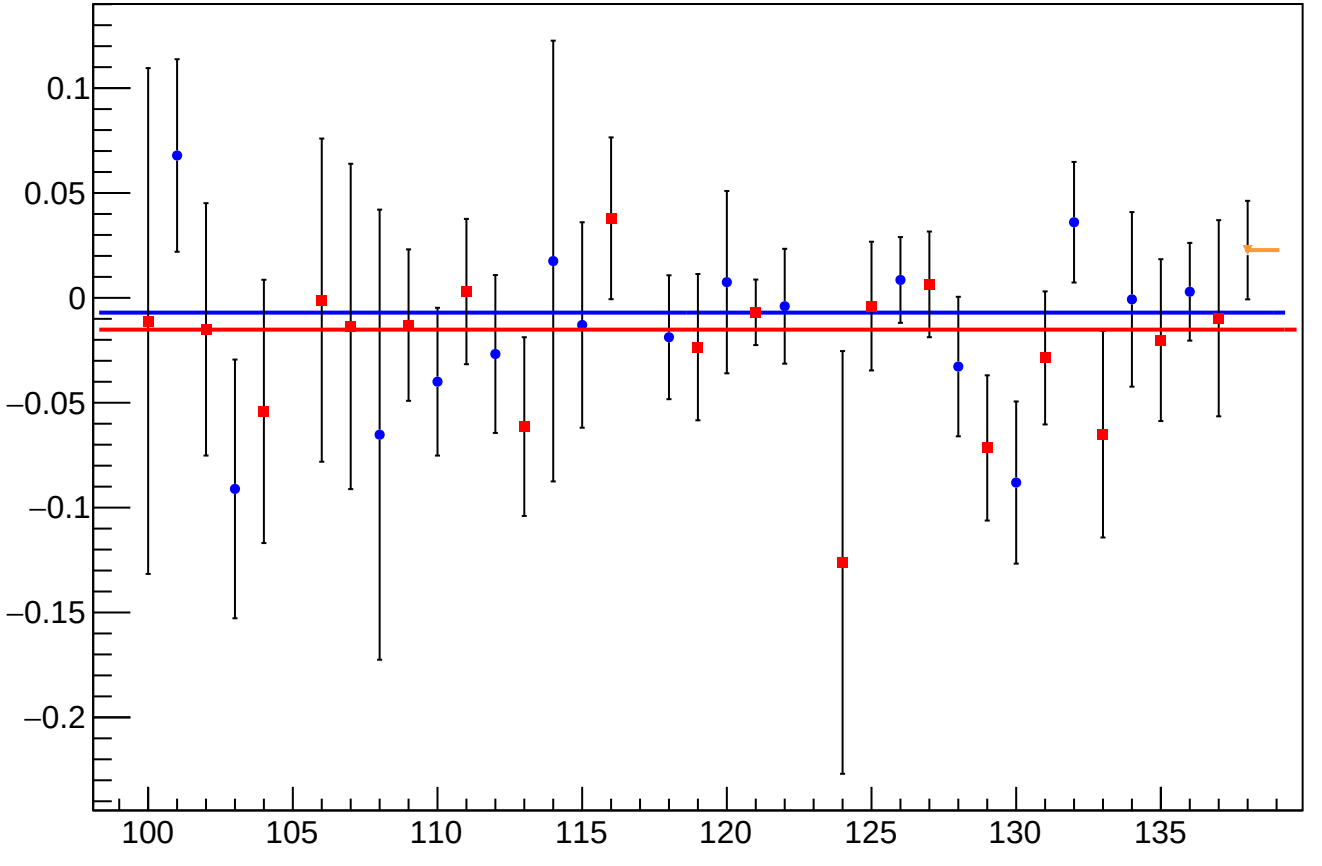
Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.305+/-0.006 χ^2/NDF:1479398.3/15

Out: 19.782+/-0.005 χ^2/NDF:2440930.5/19

All: 20.464+/-0.004 χ^2/NDF: 3954812.6/35

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.023+/-0.023 χ^2/NDF:0.0/0

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.023+/-0.023 χ^2/NDF: 0.0/0

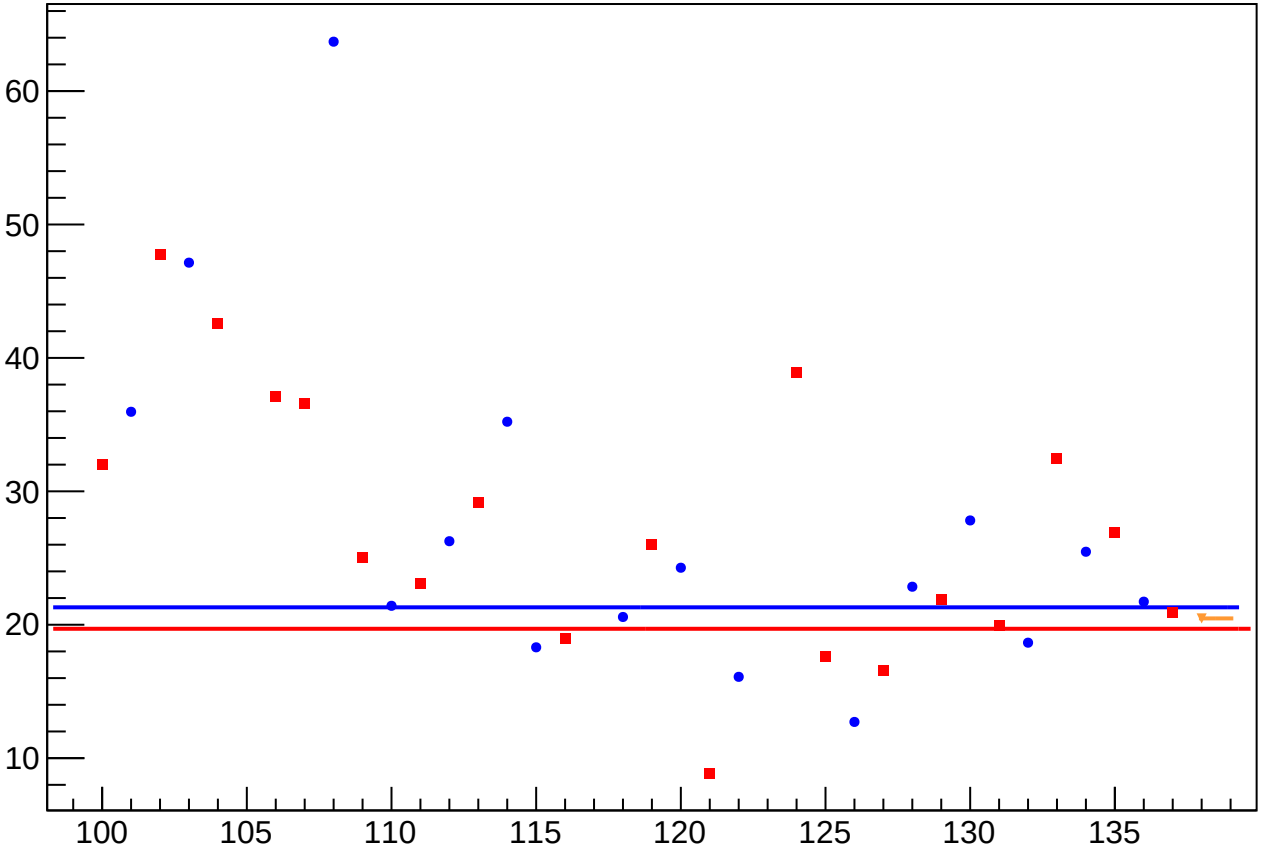
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.007+/-0.009 χ^2/NDF:14.3/15

Out: -0.011+/-0.008 χ^2/NDF:12.4/19

All: -0.009+/-0.006 χ^2/NDF: 26.9/35

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: 20.474+/-0.017 χ^2/NDF:0.0/0

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

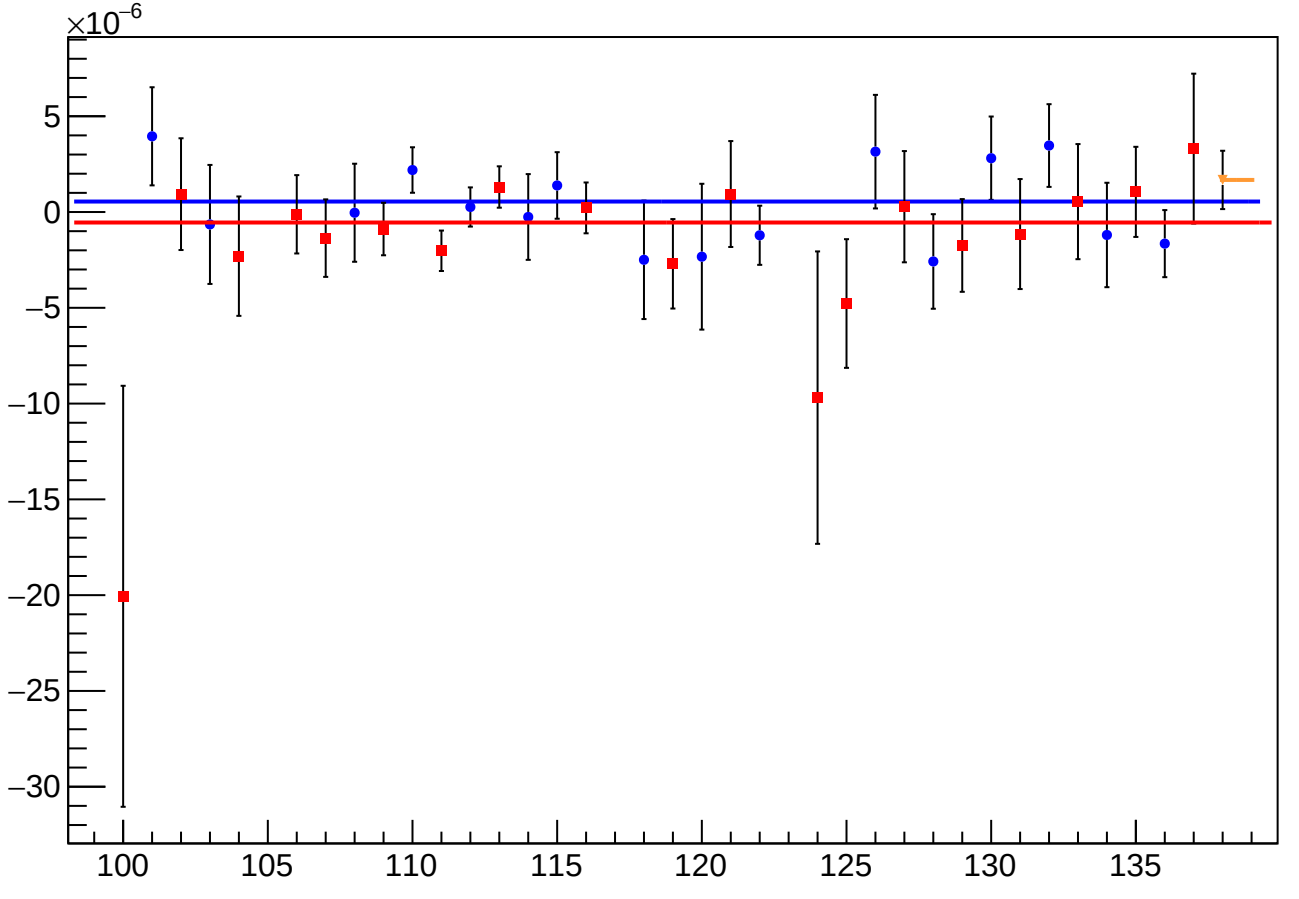
Left: 20.474+/-0.017 χ^2/NDF: 0.0/0

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.305+/-0.006 χ^2/NDF:1479398.3/15

Out: 19.782+/-0.005 χ^2/NDF:2440930.5/19

All: 20.464+/-0.004 χ^2/NDF: 3954812.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

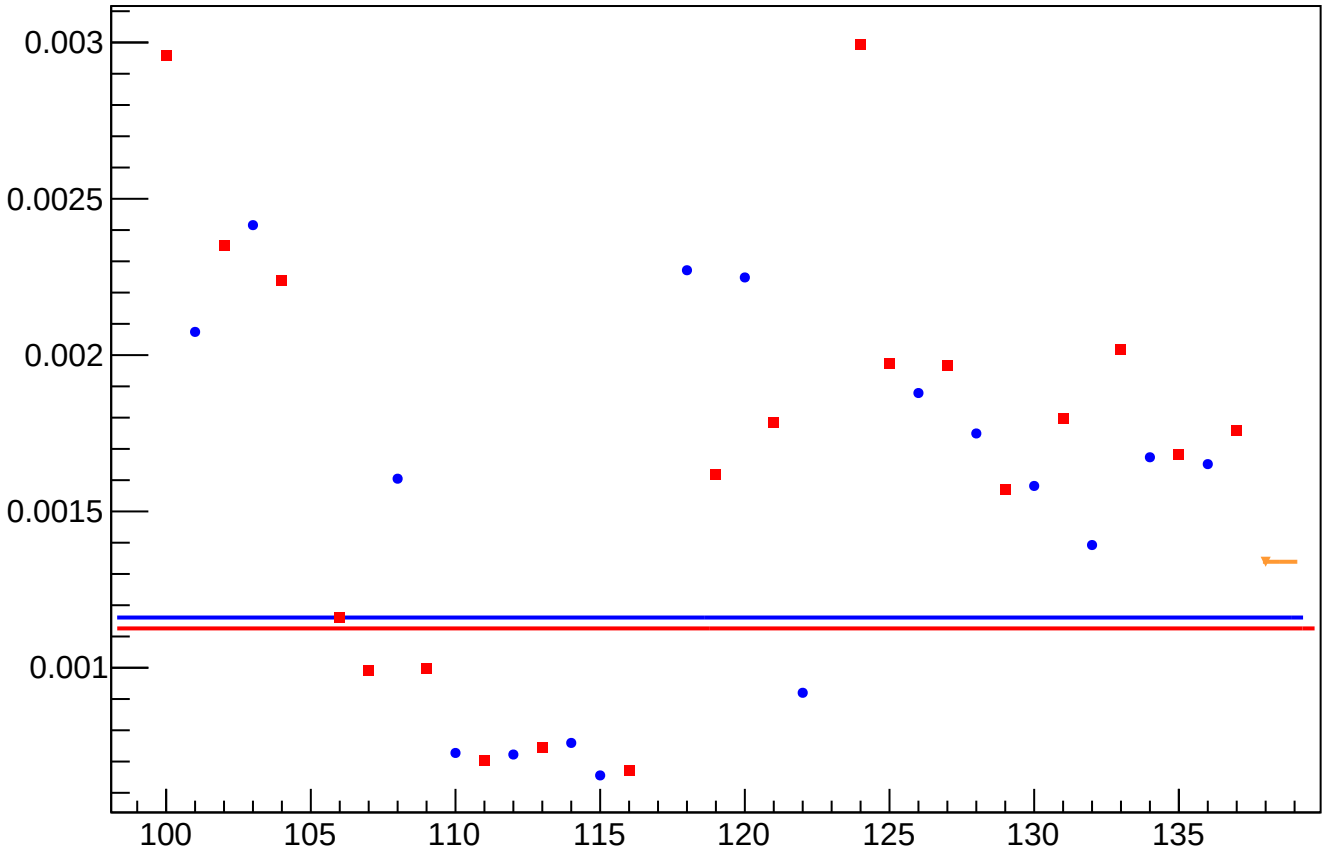
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: 0.000+/-0.000 χ^2/NDF:14.4/15

Out: -0.000+/-0.000 χ^2/NDF:17.3/19

All: 0.000+/-0.000 χ^2/NDF: 33.7/35



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.001+/-0.000 χ^2/NDF: 0.0/0

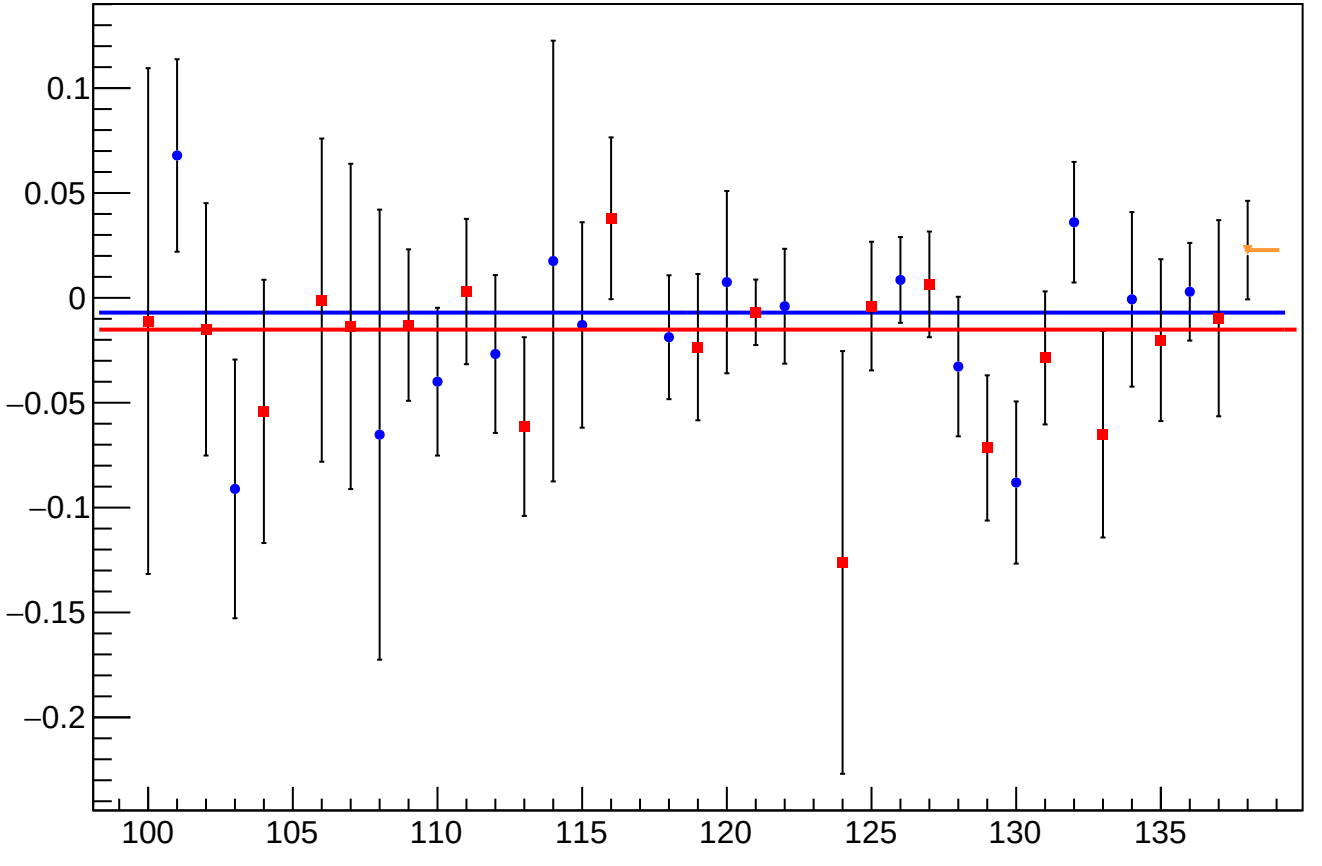
Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:2534643.9/15

Out: 0.001+/-0.000 χ^2/NDF:2659948.9/19

All: 0.001+/-0.000 χ^2/NDF: 5195979.8/35

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.023+/-0.023 χ^2/NDF:0.0/0

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

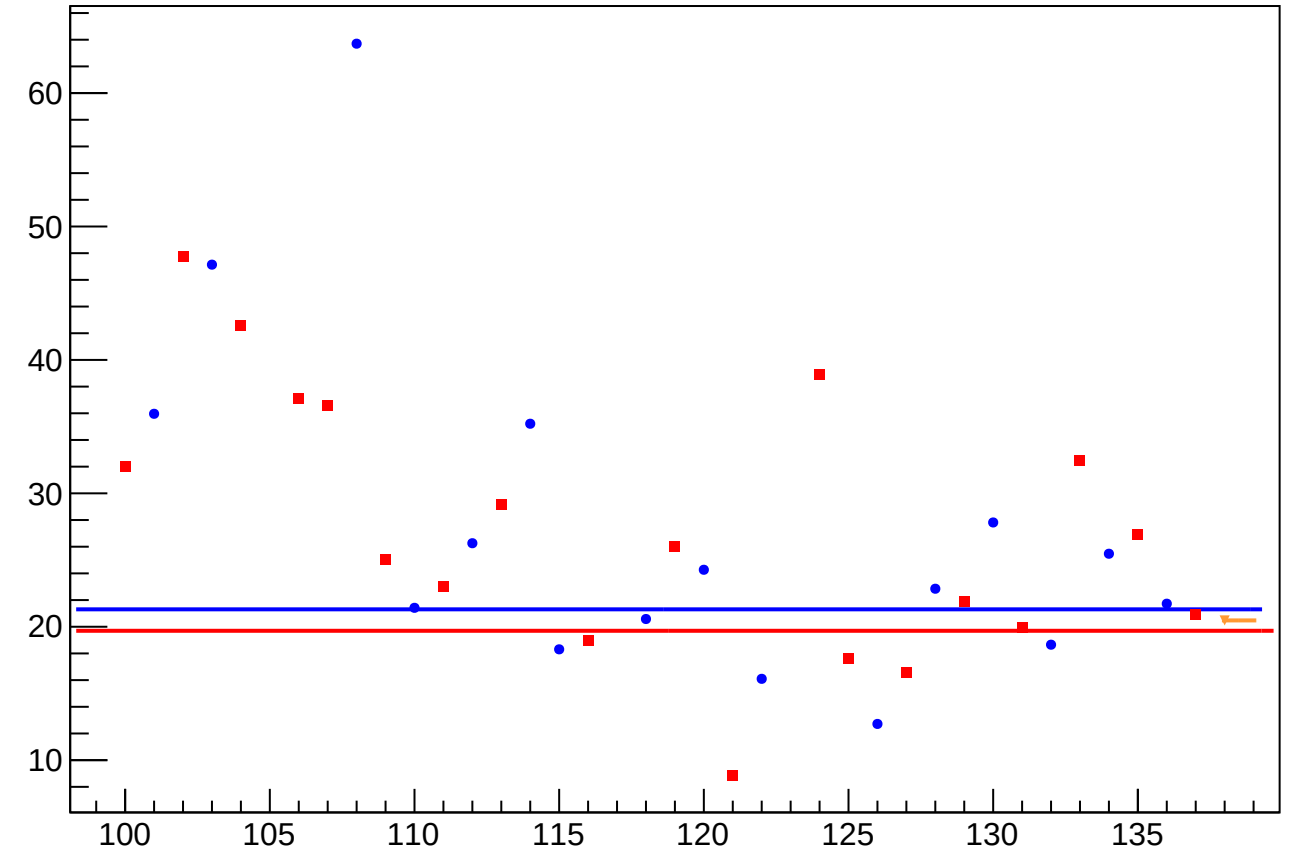
Left: 0.023+/-0.023 χ^2/NDF: 0.0/0

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.007+/-0.009 χ^2/NDF:14.3/15

Out: -0.011+/-0.008 χ^2/NDF:12.4/19

All: -0.009+/-0.006 χ^2/NDF: 26.9/35



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.475+/-0.017 χ^2/NDF:0.0/0

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 20.475+/-0.017 χ^2/NDF: 0.0/0

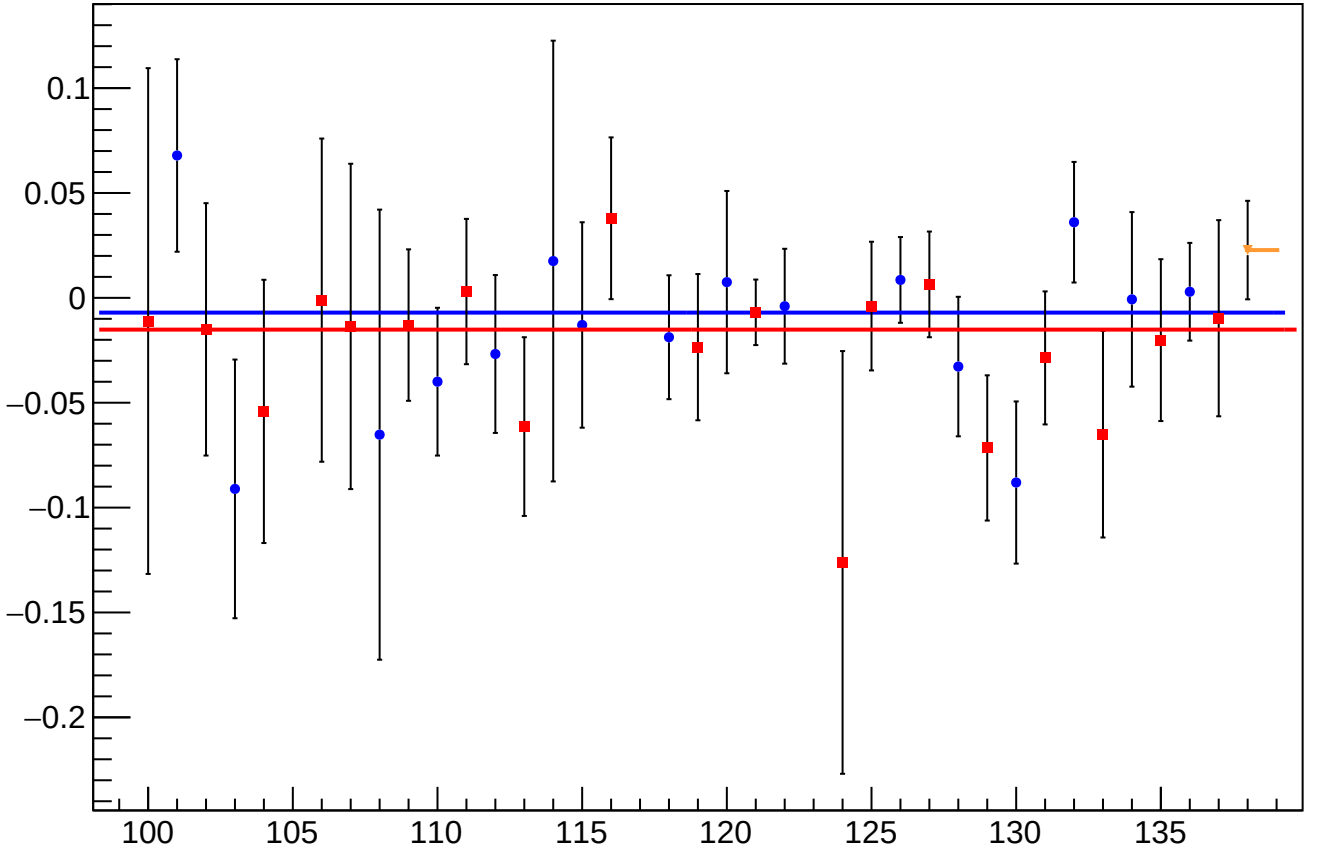
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.306+/-0.006 χ^2/NDF:1479231.5/15

Out: 19.782+/-0.005 χ^2/NDF:2440562.5/19

All: 20.464+/-0.004 χ^2/NDF: 3954261.8/35

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.023+/-0.023 χ^2/NDF:0.0/0

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.023+/-0.023 χ^2/NDF: 0.0/0

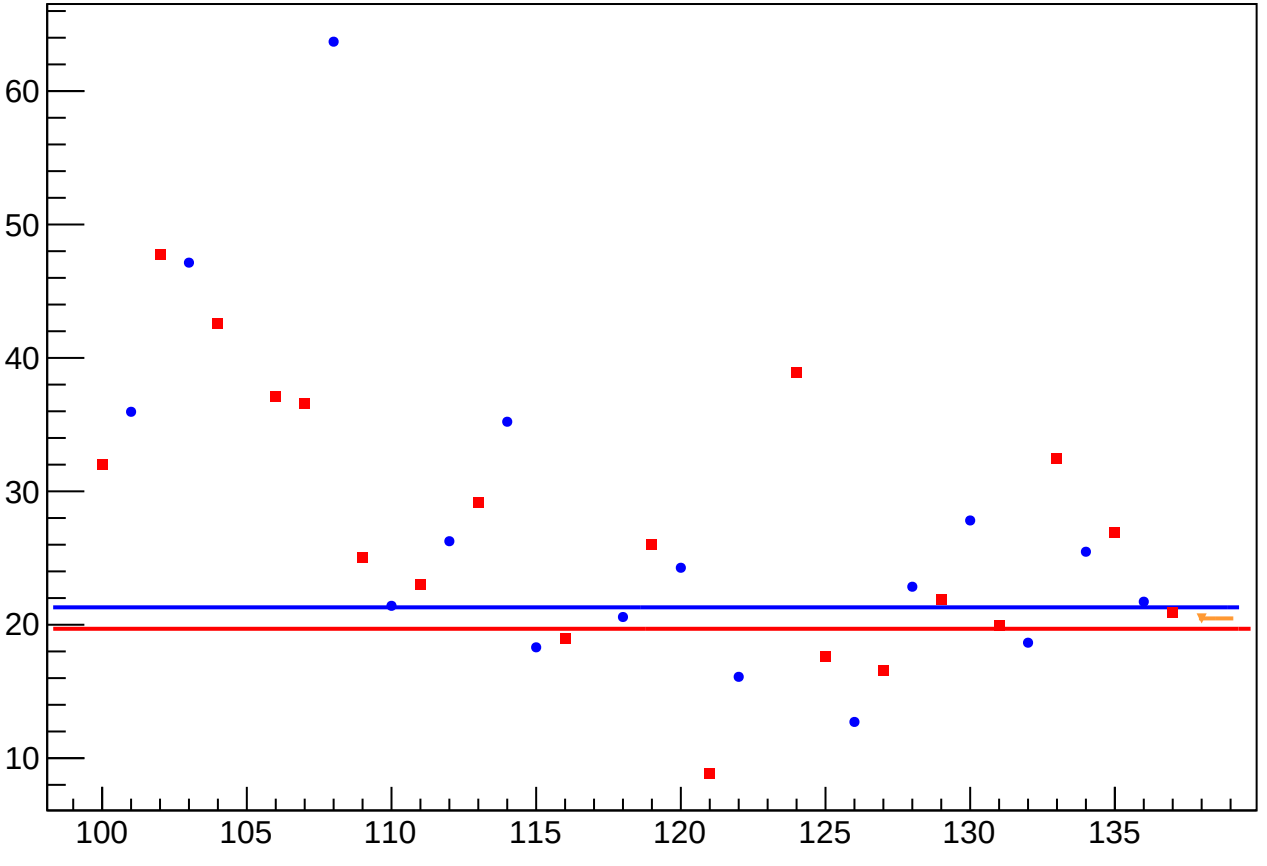
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.007+/-0.009 χ^2/NDF:14.3/15

Out: -0.011+/-0.008 χ^2/NDF:12.4/19

All: -0.009+/-0.006 χ^2/NDF: 26.9/35

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: 20.475+/-0.017 χ^2/NDF:0.0/0

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

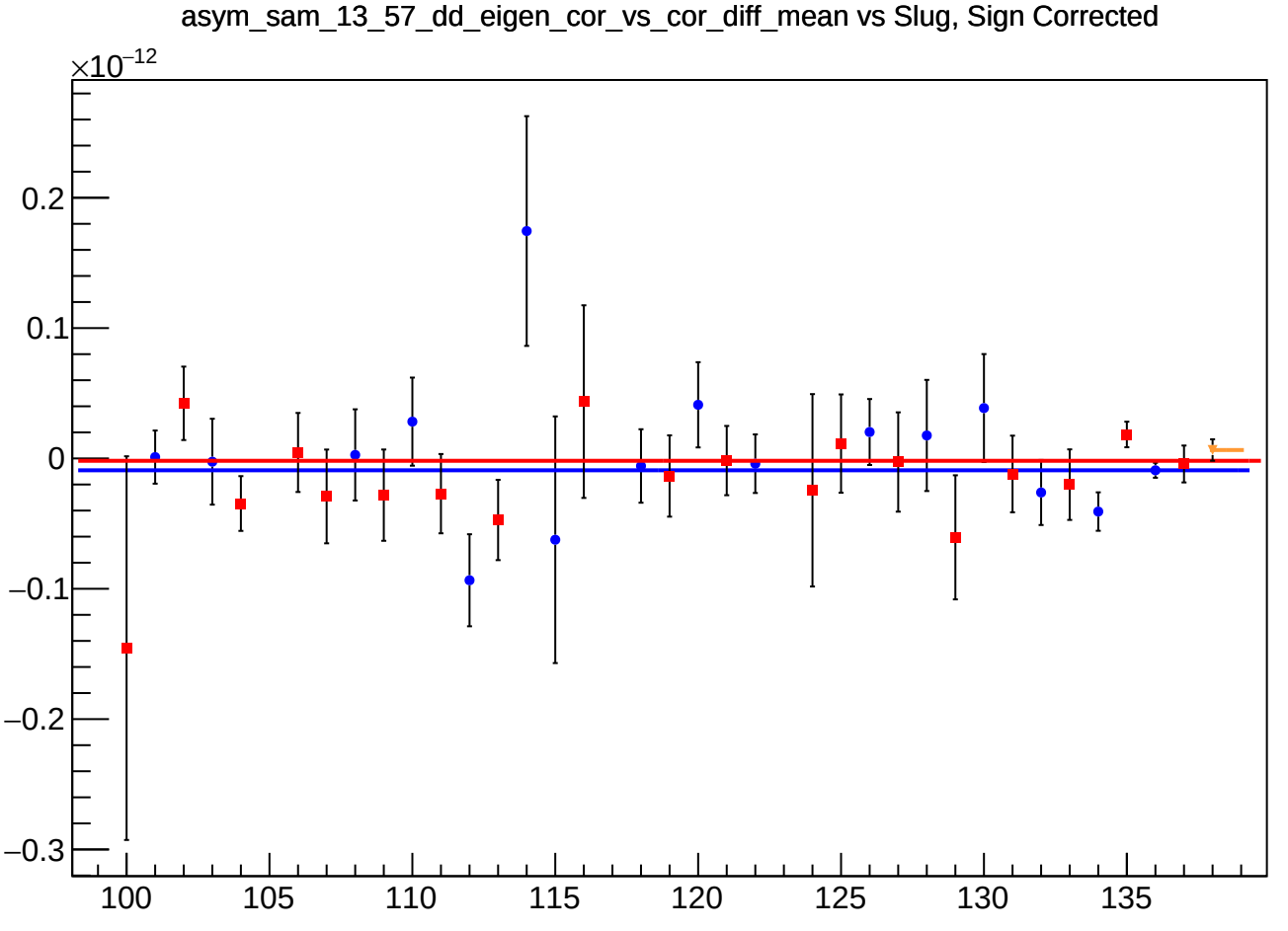
Left: 20.475+/-0.017 χ^2/NDF: 0.0/0

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.306+/-0.006 χ^2/NDF:1479231.5/15

Out: 19.782+/-0.005 χ^2/NDF:2440562.5/19

All: 20.464+/-0.004 χ^2/NDF: 3954261.8/35



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

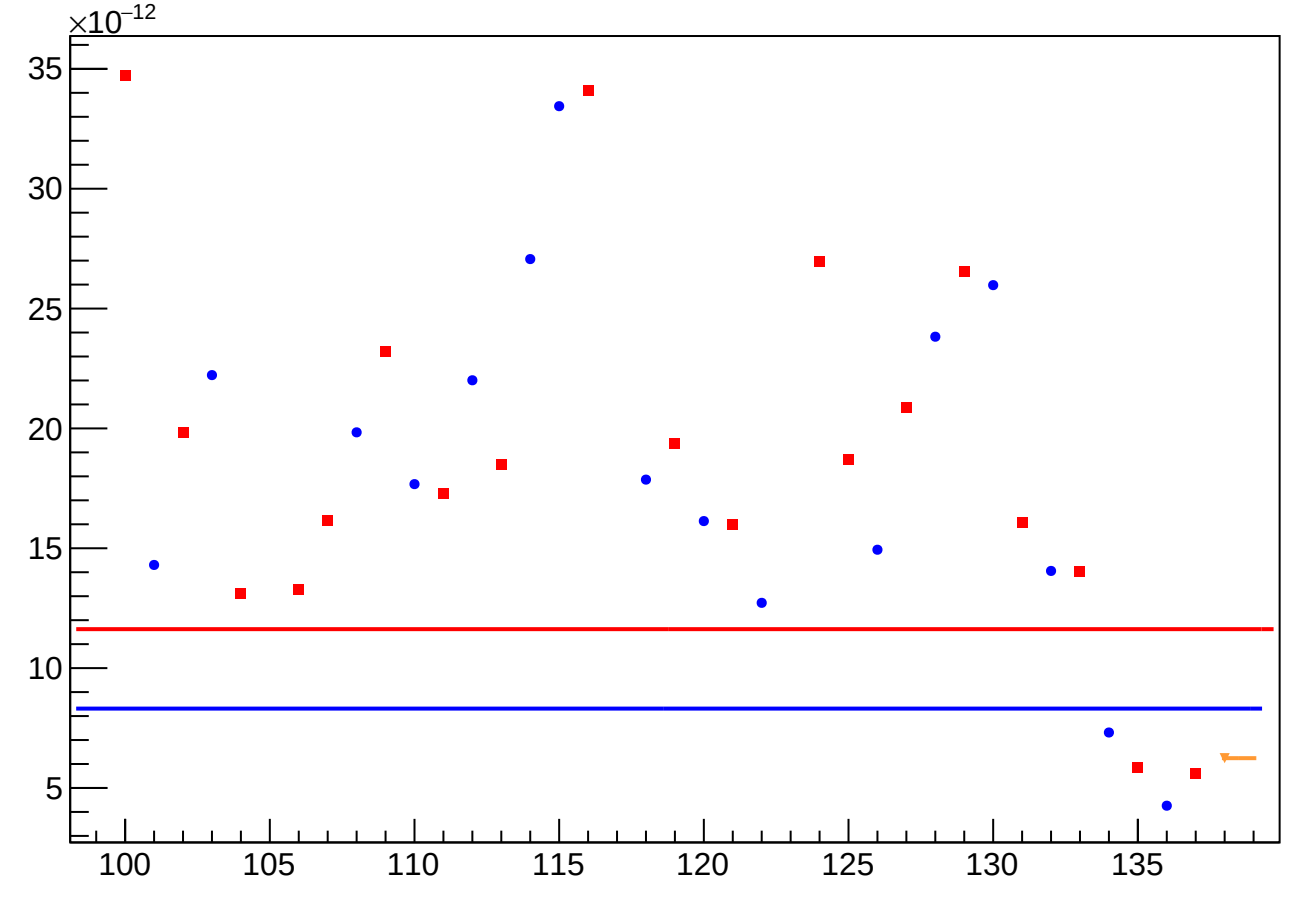
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:22.6/15

Out: 0.000+/-0.000 χ^2/NDF:17.7/19

All: -0.000+/-0.000 χ^2/NDF: 42.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

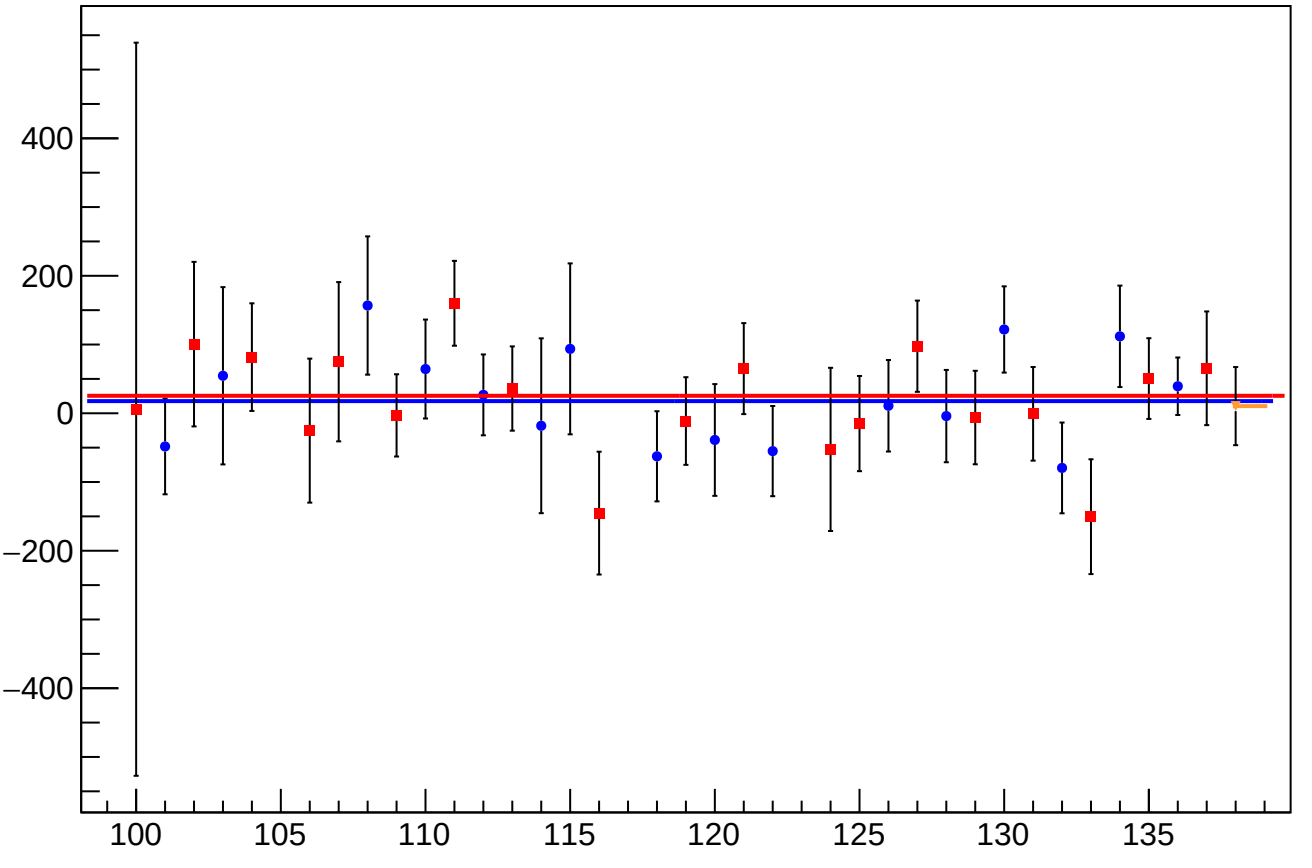
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:3731754.7/15

Out: 0.000+/-0.000 χ^2/NDF:3188858.2/19

All: 0.000+/-0.000 χ^2/NDF: 7038988.5/35



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: 10.424+/-56.850 χ^2/NDF:0.0/0

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

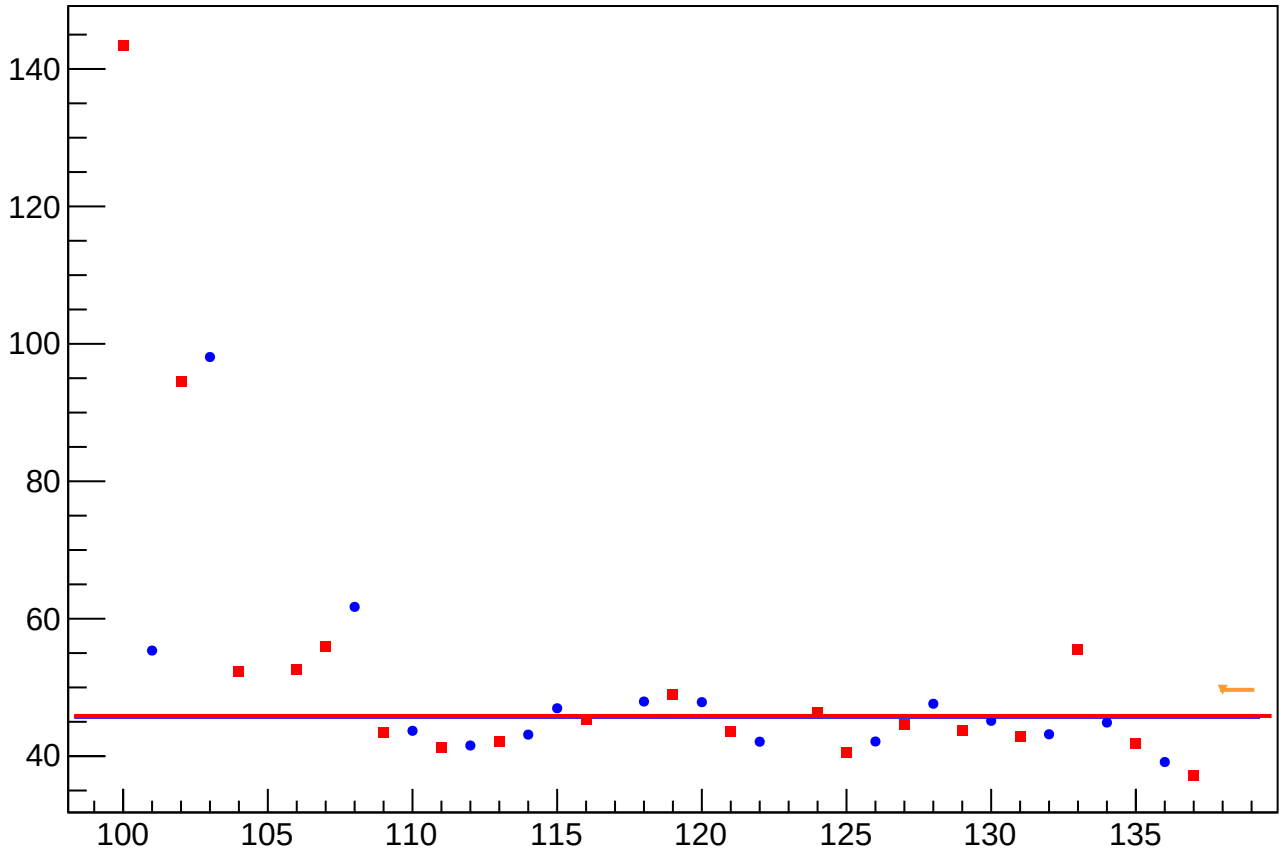
Left: 10.424+/-56.850 χ^2/NDF: 0.0/0

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: 17.701+/-17.470 χ^2/NDF:13.9/15

Out: 24.163+/-16.583 χ^2/NDF:17.9/19

All: 21.100+/-12.027 χ^2/NDF: 31.9/35



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 49.654+/-0.040 χ^2/NDF:0.0/0

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

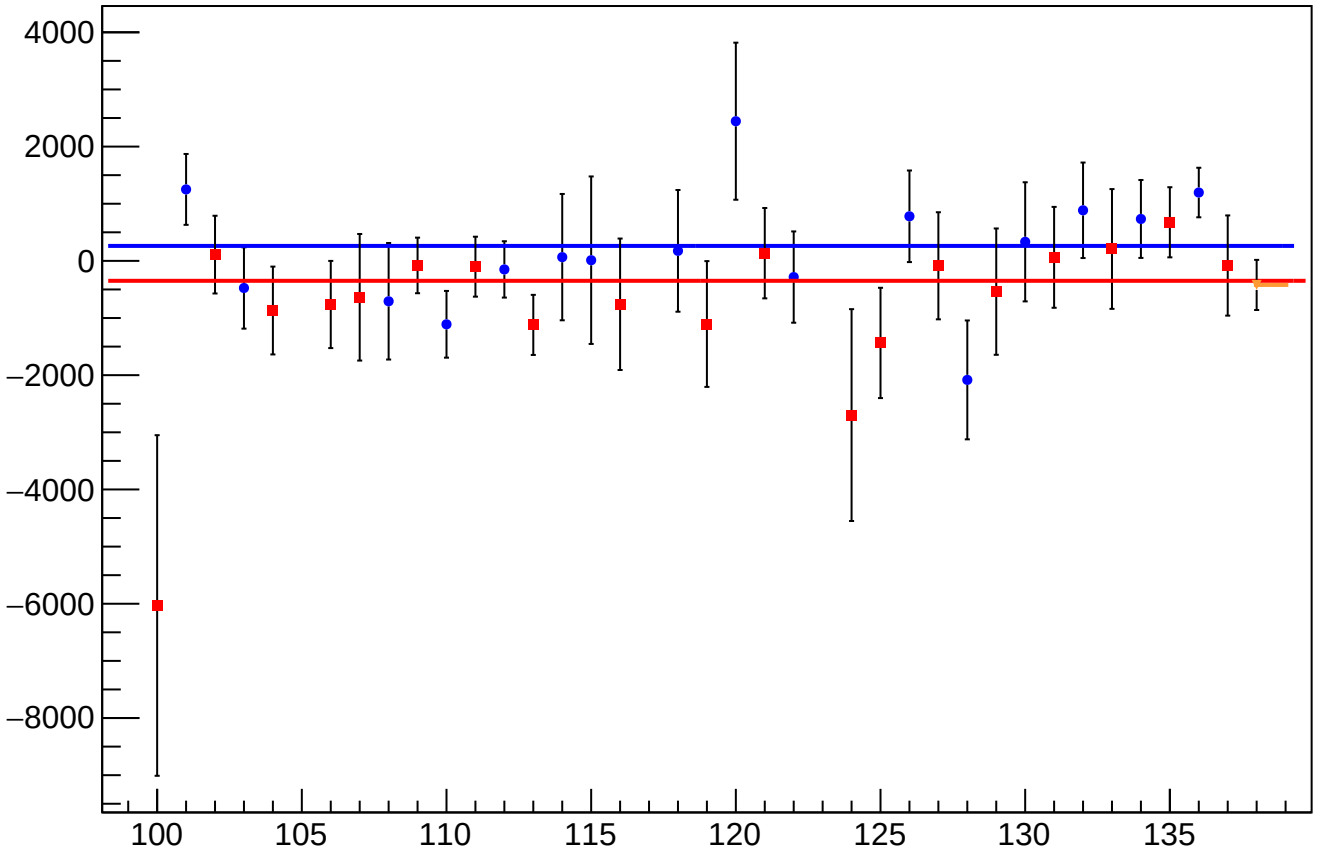
Left: 49.654+/-0.040 χ^2/NDF: 0.0/0

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 45.727+/-0.012 χ^2/NDF:501460.7/15

Out: 46.173+/-0.012 χ^2/NDF:548351.9/19

All: 45.961+/-0.009 χ^2/NDF: 1050499.1/35



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: -421.063+/-438.529 χ^2/NDF:0.0/0

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

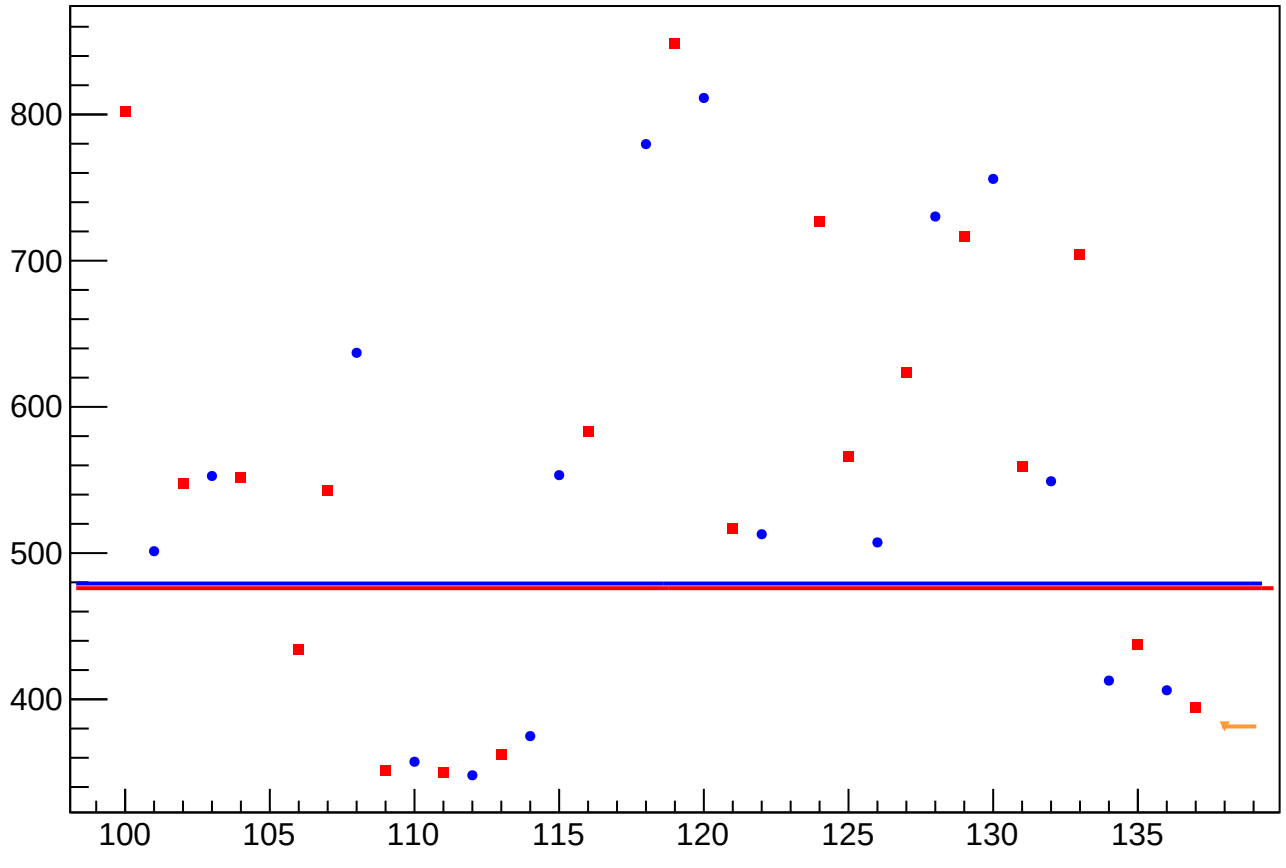
Left: -421.063+/-438.529 χ^2/NDF: 0.0/0

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 261.943+/-185.211 χ^2/NDF:25.0/15

Out: -359.189+/-167.058 χ^2/NDF:15.0/19

All: -80.546+/-124.050 χ^2/NDF: 46.1/35



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 381.411+/-0.310 χ^2/NDF:0.0/0

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

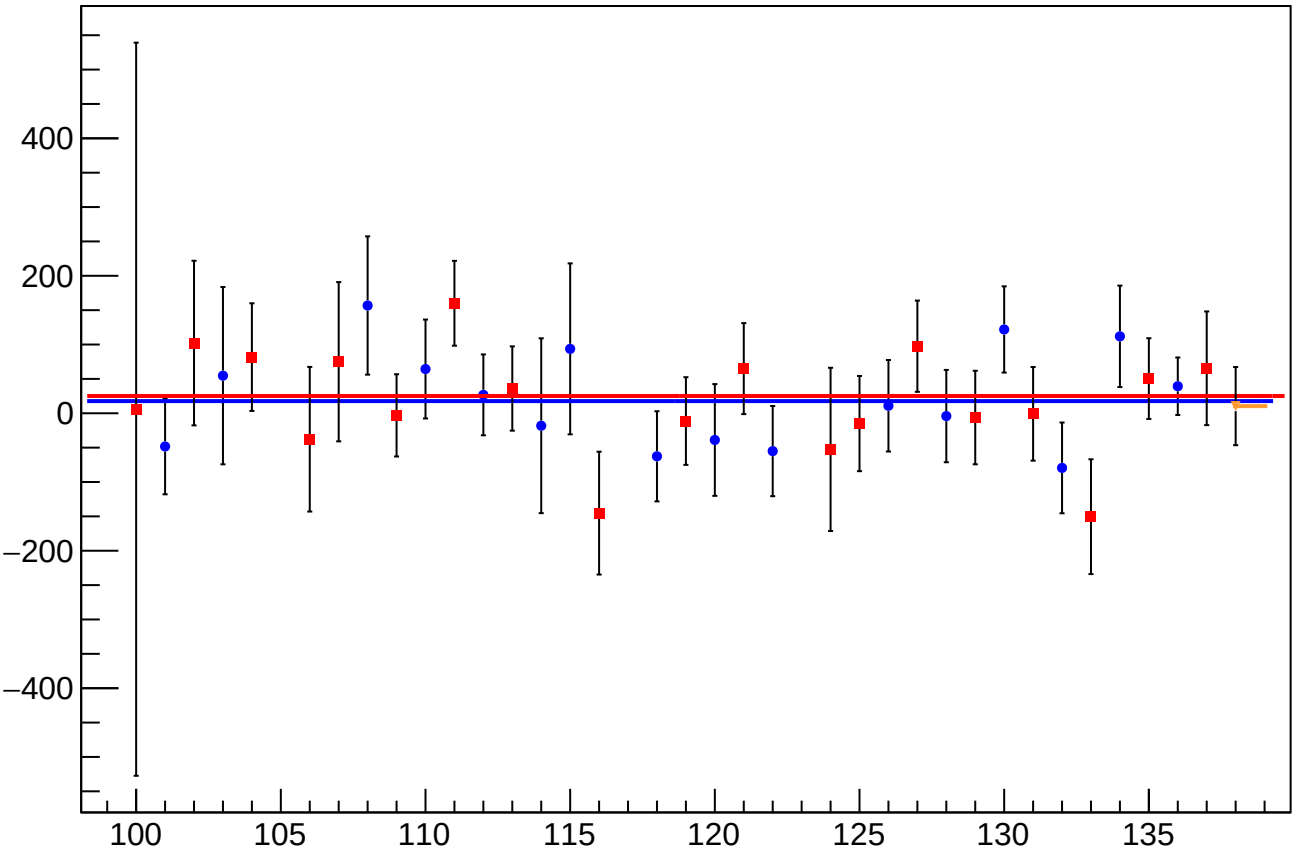
Left: 381.411+/-0.310 χ^2/NDF: 0.0/0

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 479.178+/-0.131 χ^2/NDF:952693.7/15

Out: 462.266+/-0.118 χ^2/NDF:1086020.5/19

All: 469.853+/-0.088 χ^2/NDF: 2047908.9/35



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: 10.417+/-56.850 χ^2/NDF:0.0/0

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

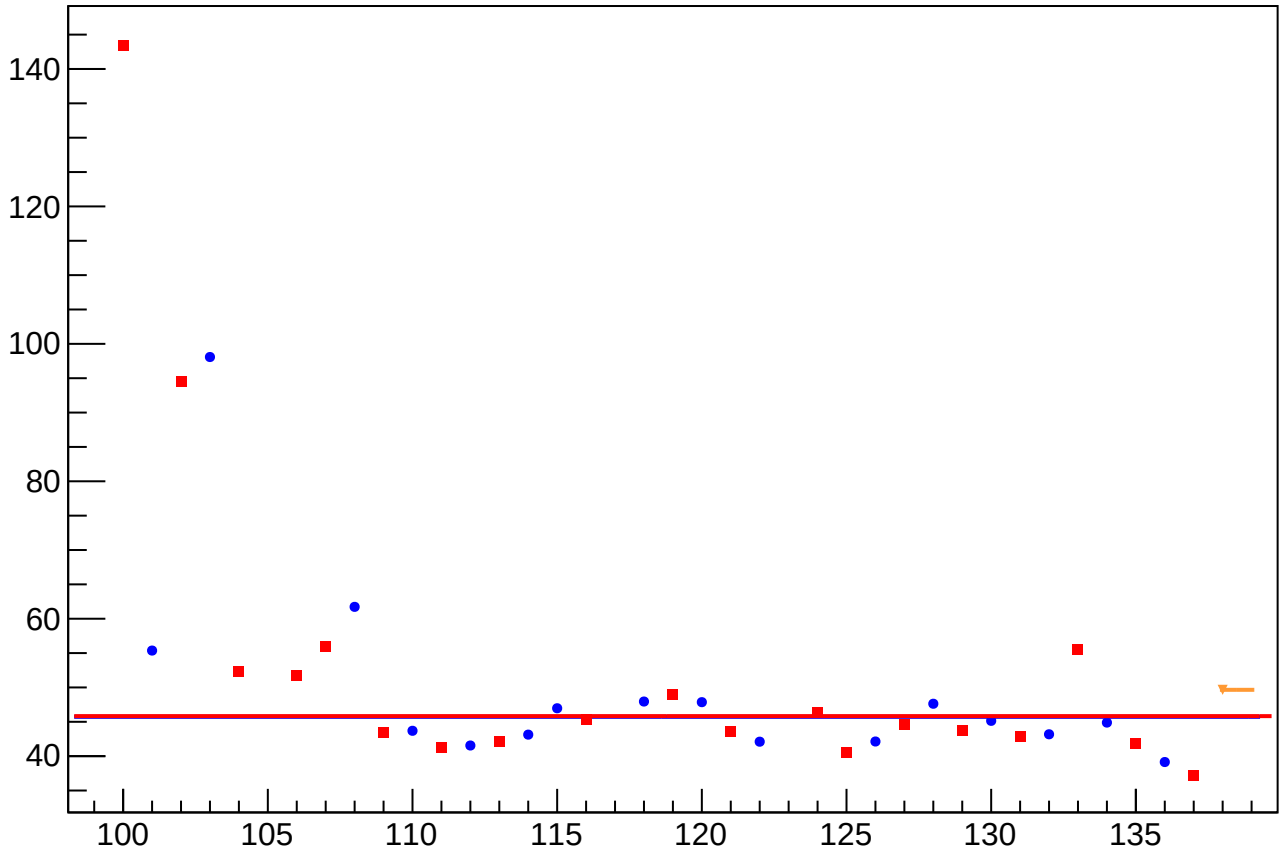
Left: 10.417+/-56.850 χ^2/NDF: 0.0/0

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: 17.706+/-17.470 χ^2/NDF:13.9/15

Out: 23.891+/-16.585 χ^2/NDF:18.1/19

All: 20.959+/-12.028 χ^2/NDF: 32.1/35



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 49.654+/-0.040 χ^2/NDF:0.0/0

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

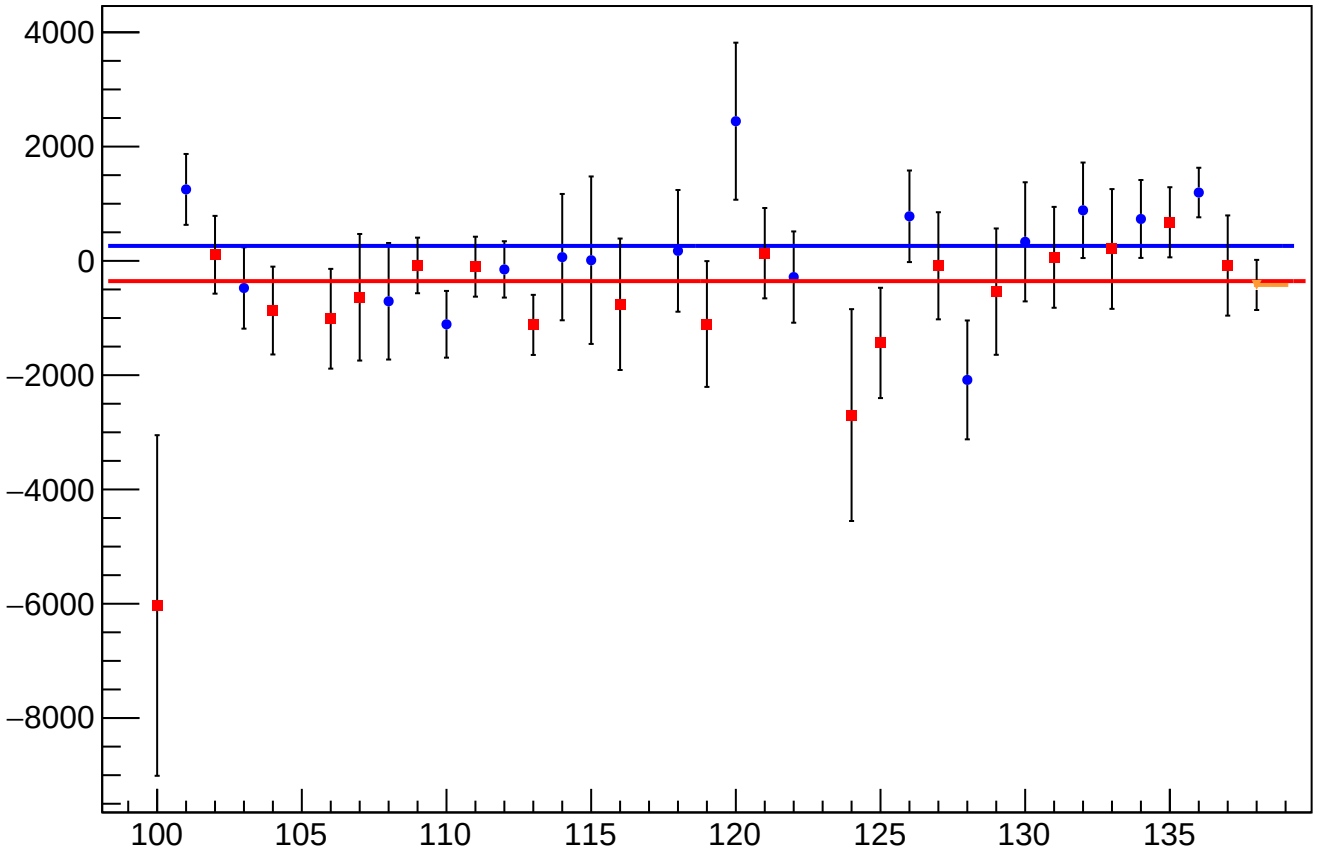
Left: 49.654+/-0.040 χ^2/NDF: 0.0/0

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 45.727+/-0.012 χ^2/NDF:501463.8/15

Out: 46.151+/-0.012 χ^2/NDF:546768.7/19

All: 45.950+/-0.009 χ^2/NDF: 1048853.5/35



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: -421.065+/-438.530 χ^2/NDF:0.0/0

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

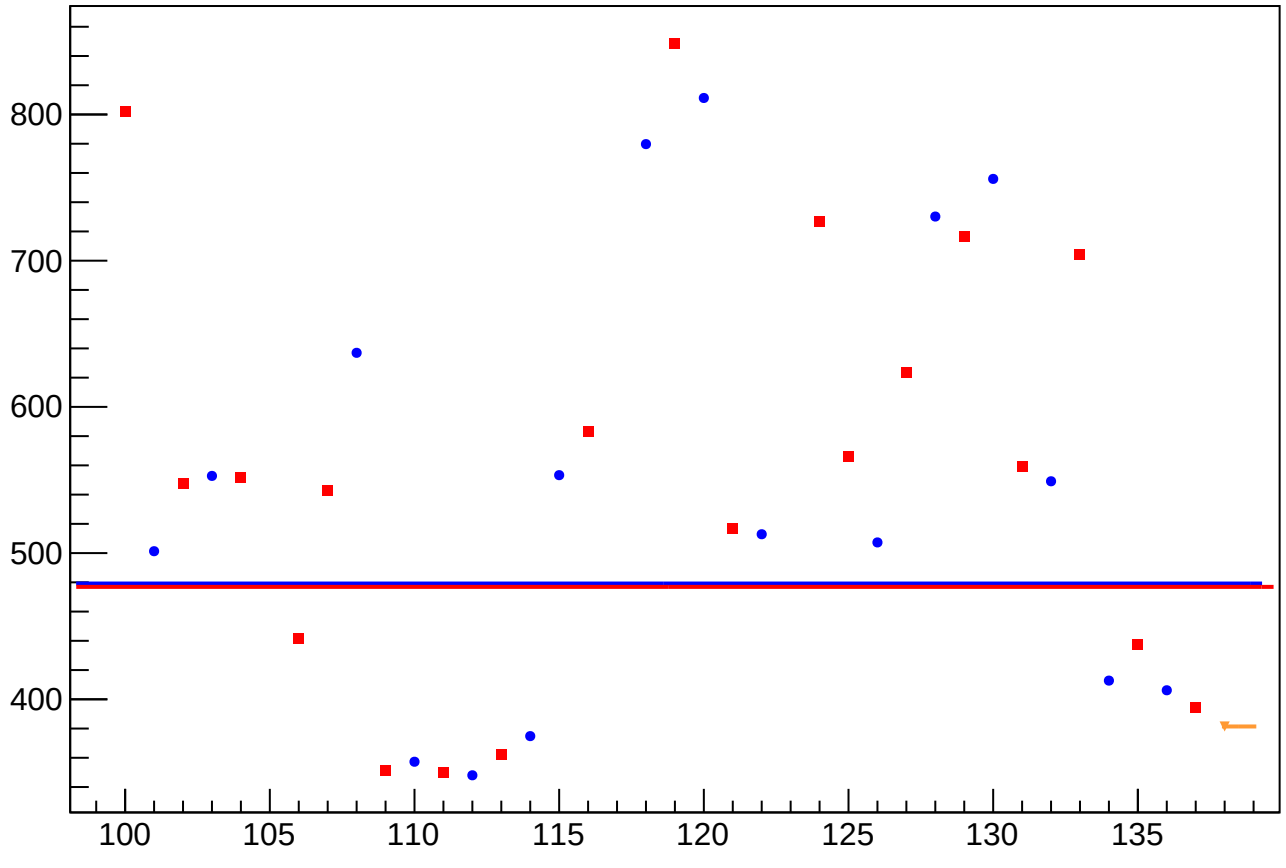
Left: -421.065+/-438.530 χ^2/NDF: 0.0/0

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 261.947+/-185.212 χ^2/NDF:25.0/15

Out: -364.020+/-168.021 χ^2/NDF:15.2/19

All: -81.428+/-124.444 χ^2/NDF: 46.5/35



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 381.411+/-0.310 χ^2/NDF:0.0/0

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

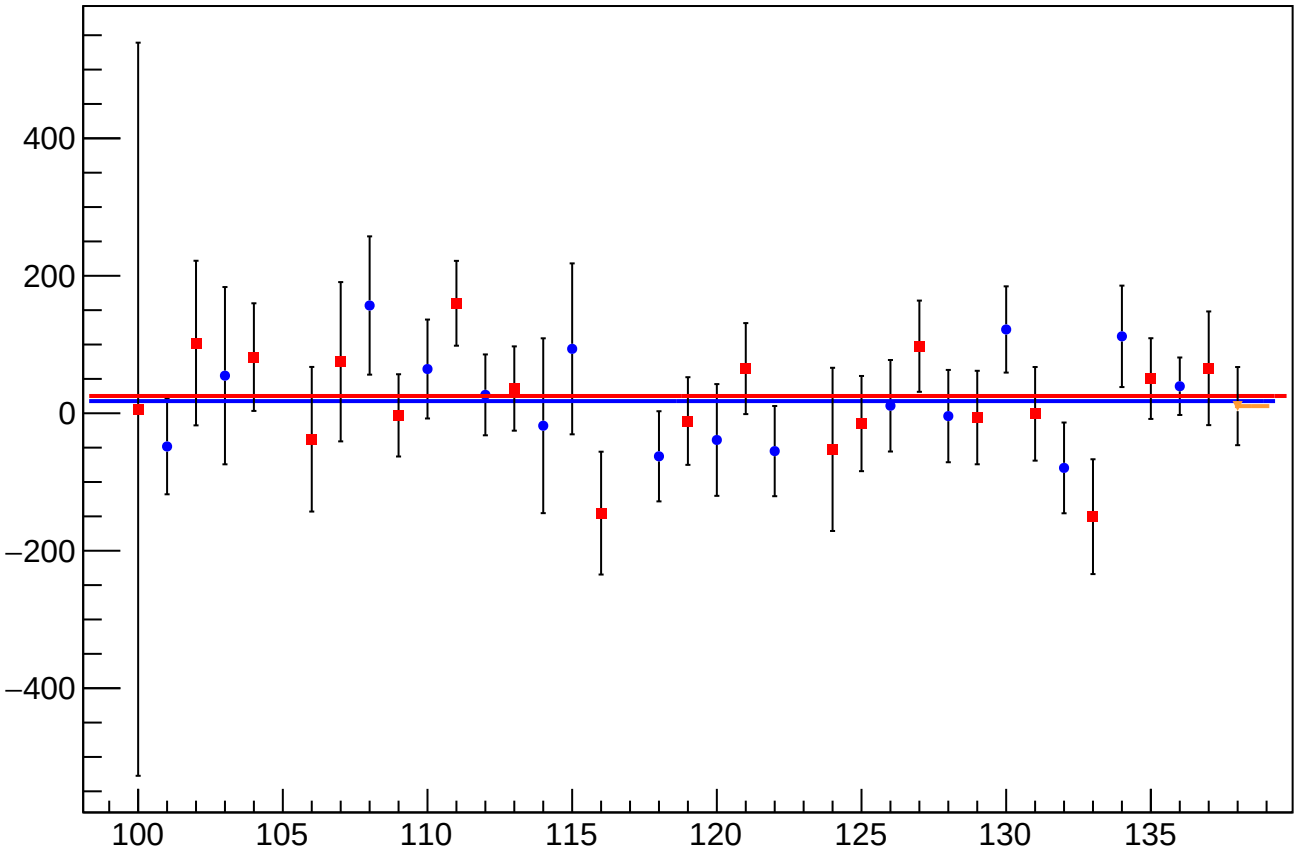
Left: 381.411+/-0.310 χ^2/NDF: 0.0/0

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 479.180+/-0.131 χ^2/NDF:952722.6/15

Out: 462.876+/-0.119 χ^2/NDF:1084663.1/19

All: 470.236+/-0.088 χ^2/NDF: 2045887.2/35



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: 10.417+/-56.850 χ^2/NDF:0.0/0

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

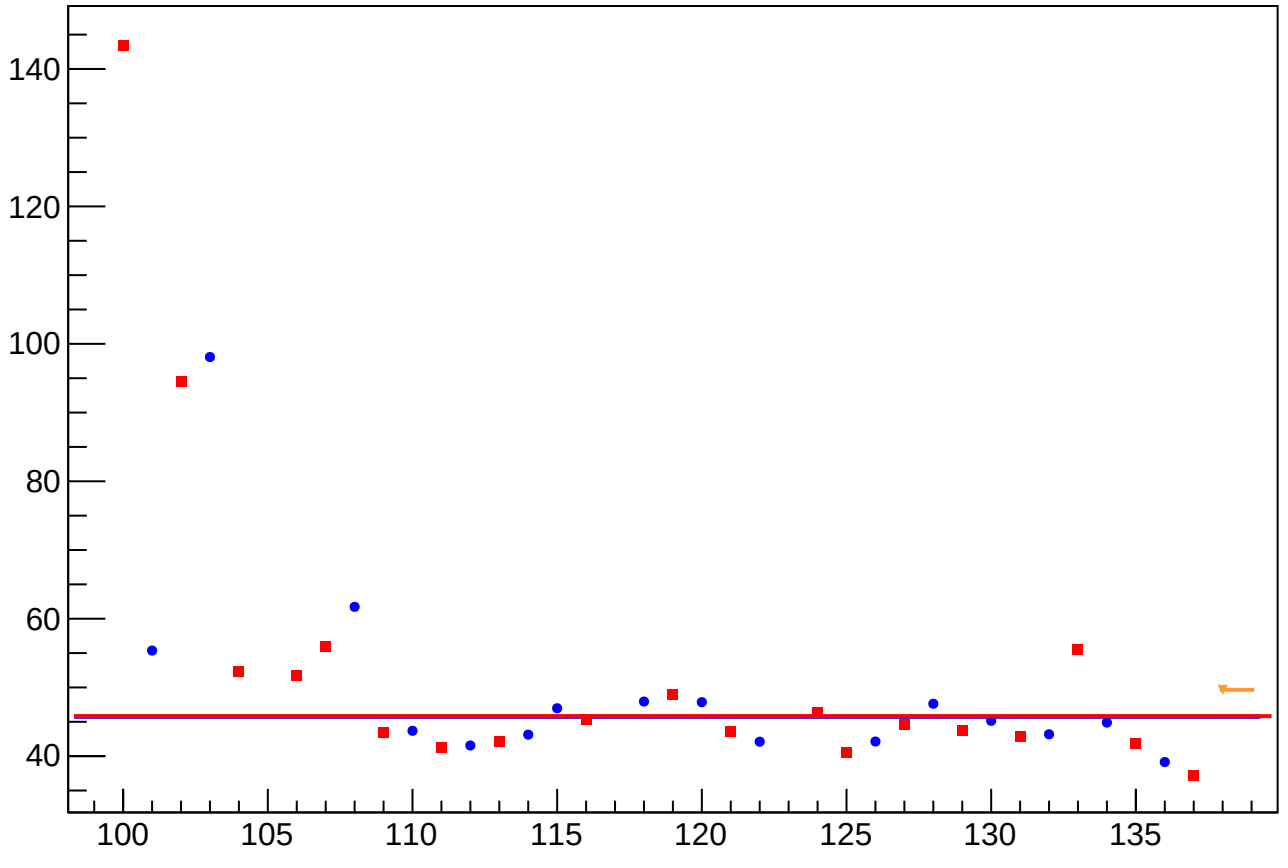
Left: 10.417+/-56.850 χ^2/NDF: 0.0/0

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: 17.706+/-17.470 χ^2/NDF:13.9/15

Out: 23.891+/-16.585 χ^2/NDF:18.1/19

All: 20.959+/-12.028 χ^2/NDF: 32.1/35



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 49.654+/-0.040 χ^2/NDF:0.0/0

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

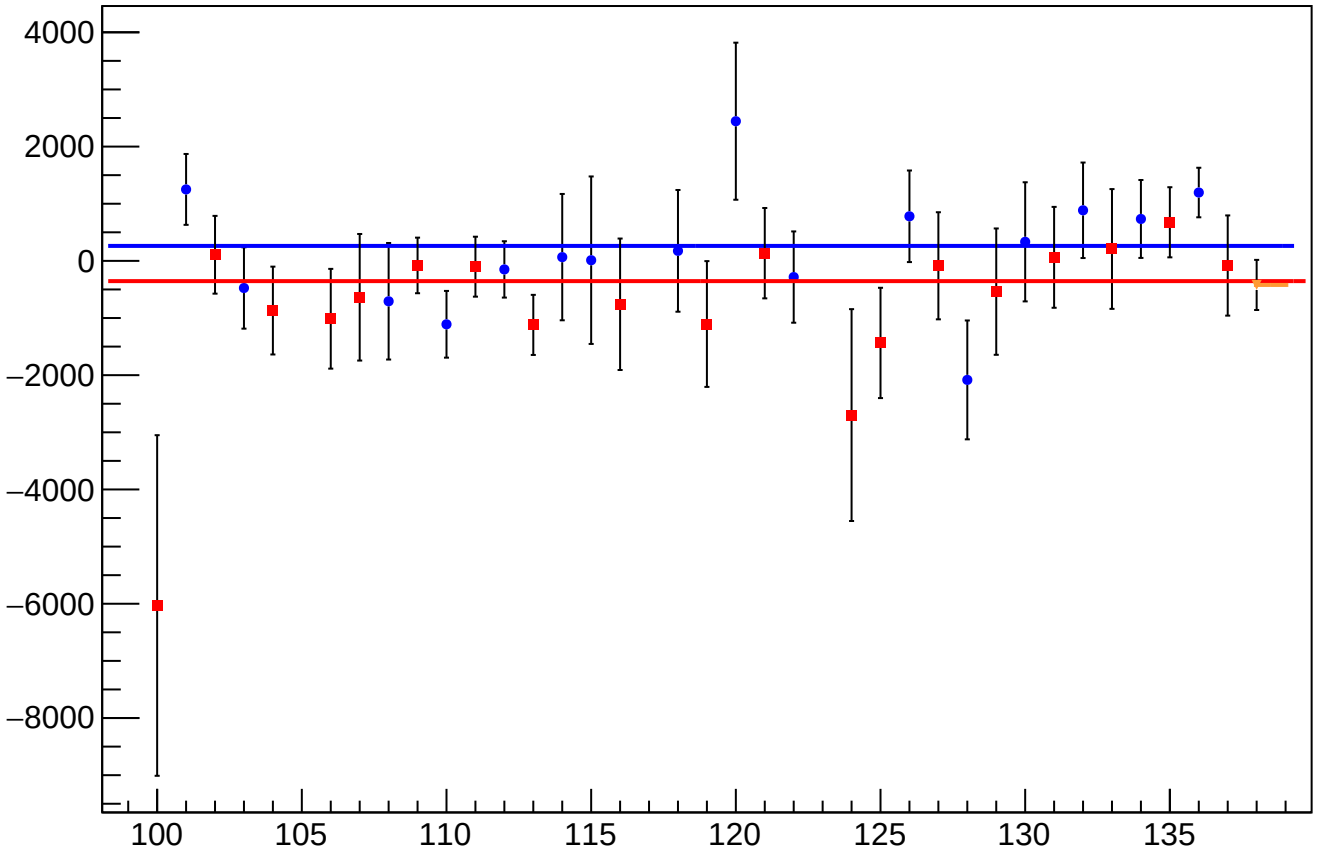
Left: 49.654+/-0.040 χ^2/NDF: 0.0/0

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 45.727+/-0.012 χ^2/NDF:501463.8/15

Out: 46.151+/-0.012 χ^2/NDF:546768.7/19

All: 45.950+/-0.009 χ^2/NDF: 1048853.5/35



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: -421.065+/-438.530 χ^2/NDF:0.0/0

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

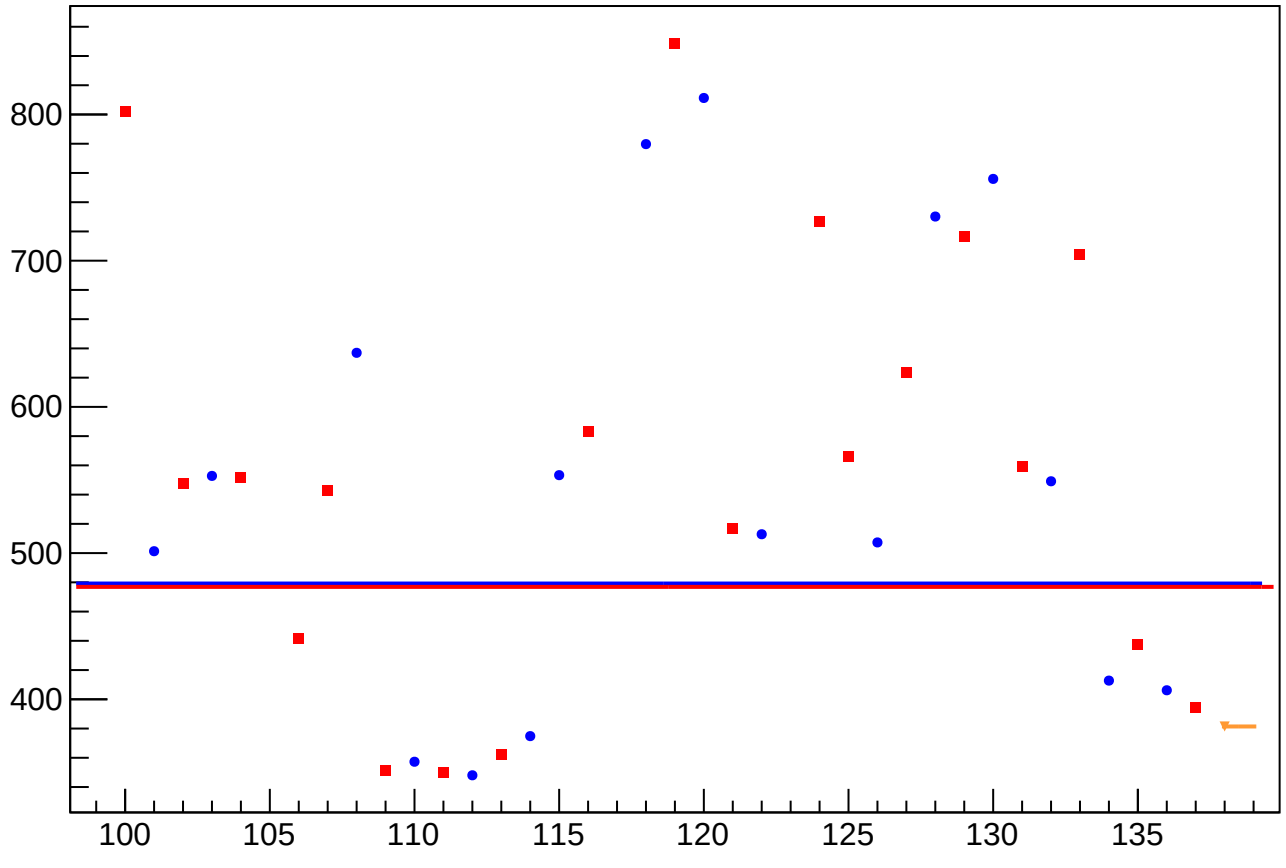
Left: -421.065+/-438.530 χ^2/NDF: 0.0/0

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 261.947+/-185.212 χ^2/NDF:25.0/15

Out: -364.020+/-168.021 χ^2/NDF:15.2/19

All: -81.428+/-124.444 χ^2/NDF: 46.5/35



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 381.411+/-0.310 χ^2/NDF:0.0/0

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

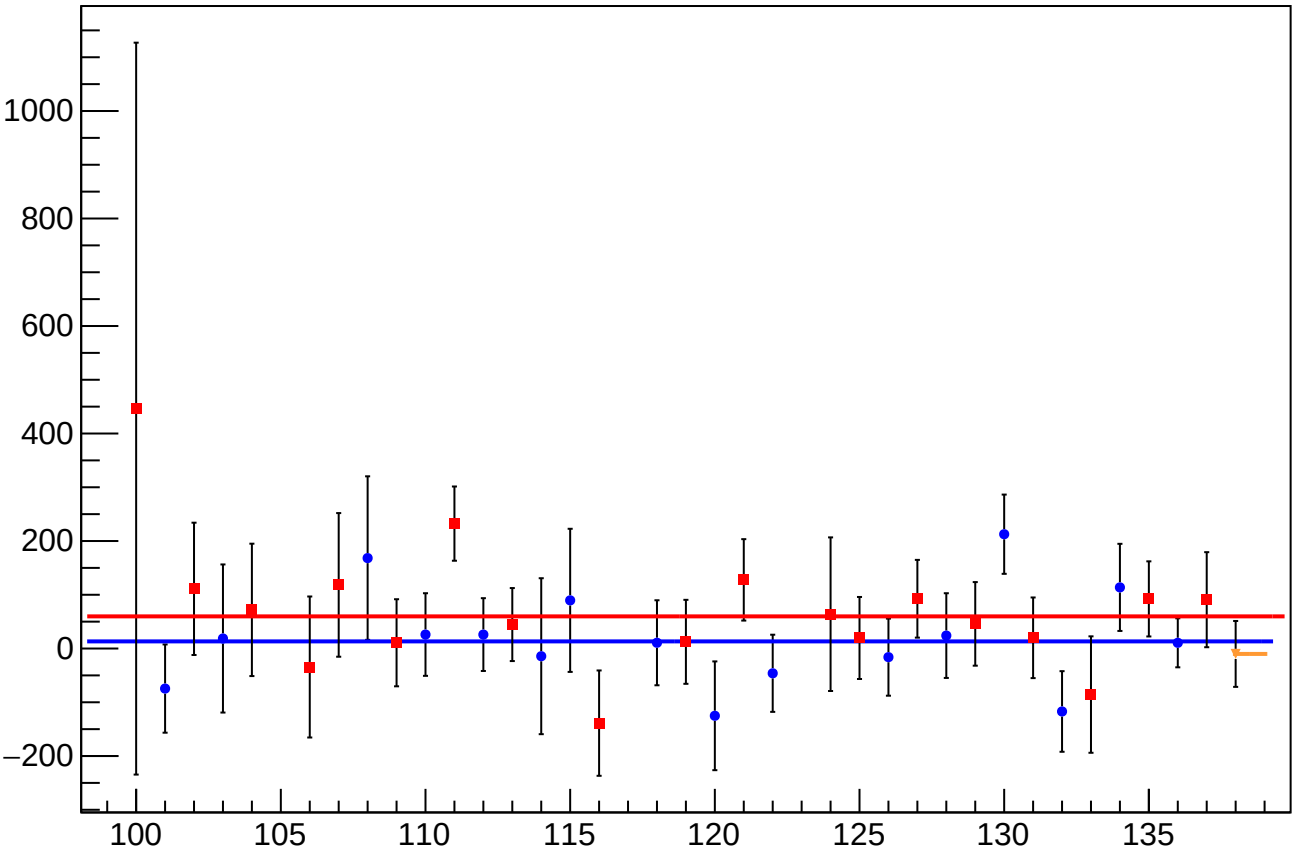
Left: 381.411+/-0.310 χ^2/NDF: 0.0/0

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 479.180+/-0.131 χ^2/NDF:952722.6/15

Out: 462.876+/-0.119 χ^2/NDF:1084663.1/19

All: 470.236+/-0.088 χ^2/NDF: 2045887.2/35



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -10.060+/-61.297 χ^2/NDF:0.0/0

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

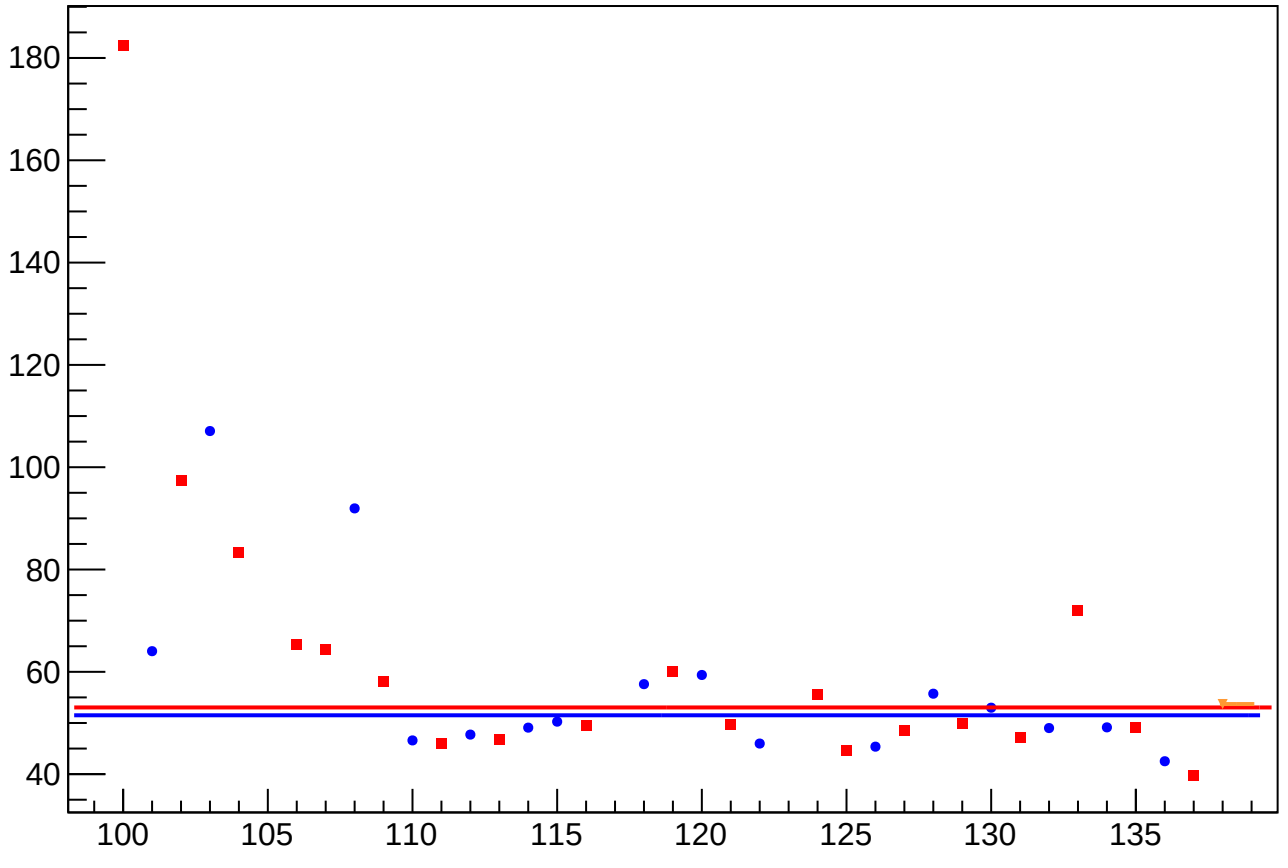
Left: -10.060+/-61.297 χ^2/NDF: 0.0/0

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: 13.266+/-19.849 χ^2/NDF:17.2/15

Out: 52.945+/-19.214 χ^2/NDF:17.3/19

All: 33.750+/-13.805 χ^2/NDF: 36.6/35



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 53.704+/-0.043 χ^2/NDF:0.0/0

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 53.704+/-0.043 χ^2/NDF: 0.0/0

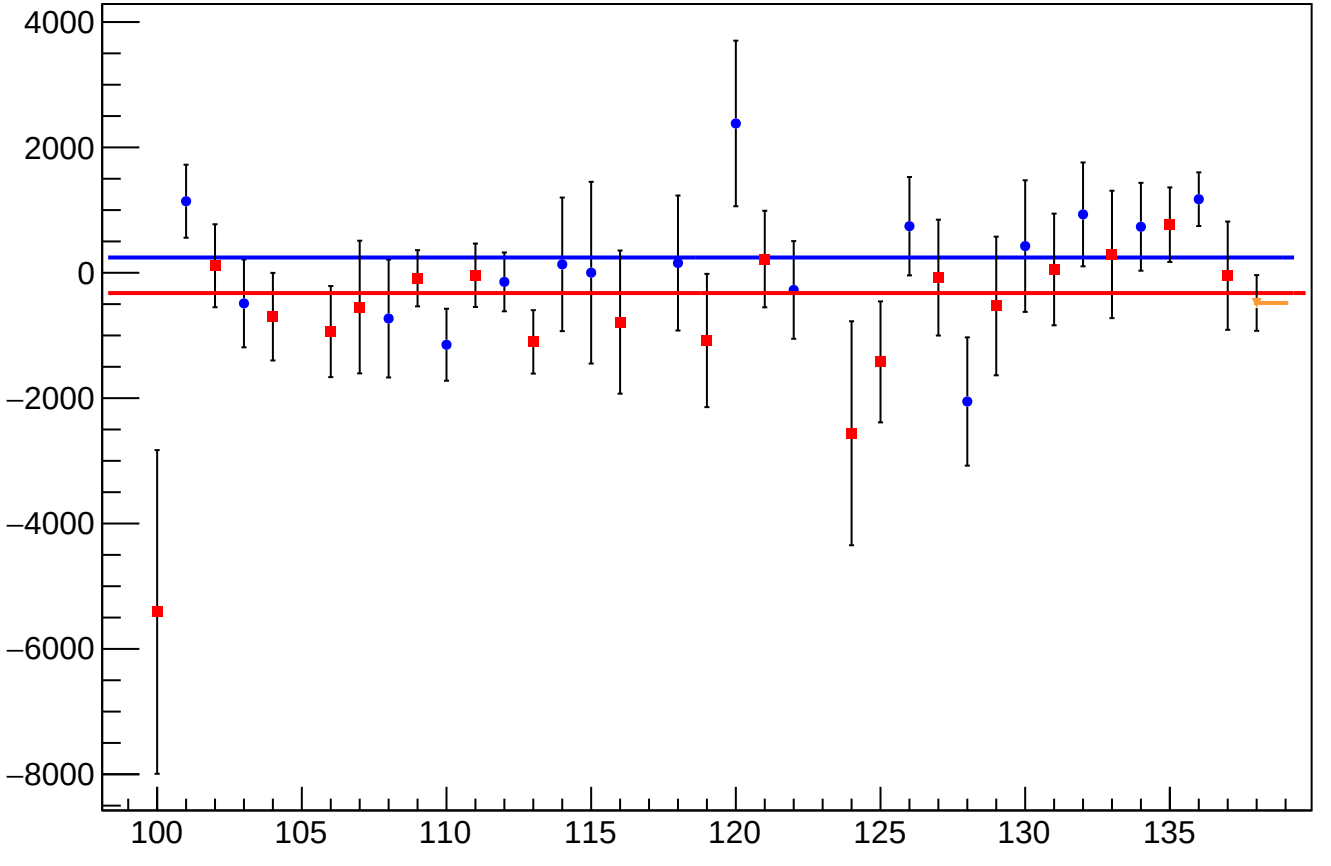
Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 51.506+/-0.014 χ^2/NDF:667059.0/15

Out: 53.103+/-0.014 χ^2/NDF:713121.6/19

All: 52.330+/-0.010 χ^2/NDF: 1386866.8/35

asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: -481.400+/-444.548 χ^2/NDF:0.0/0

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

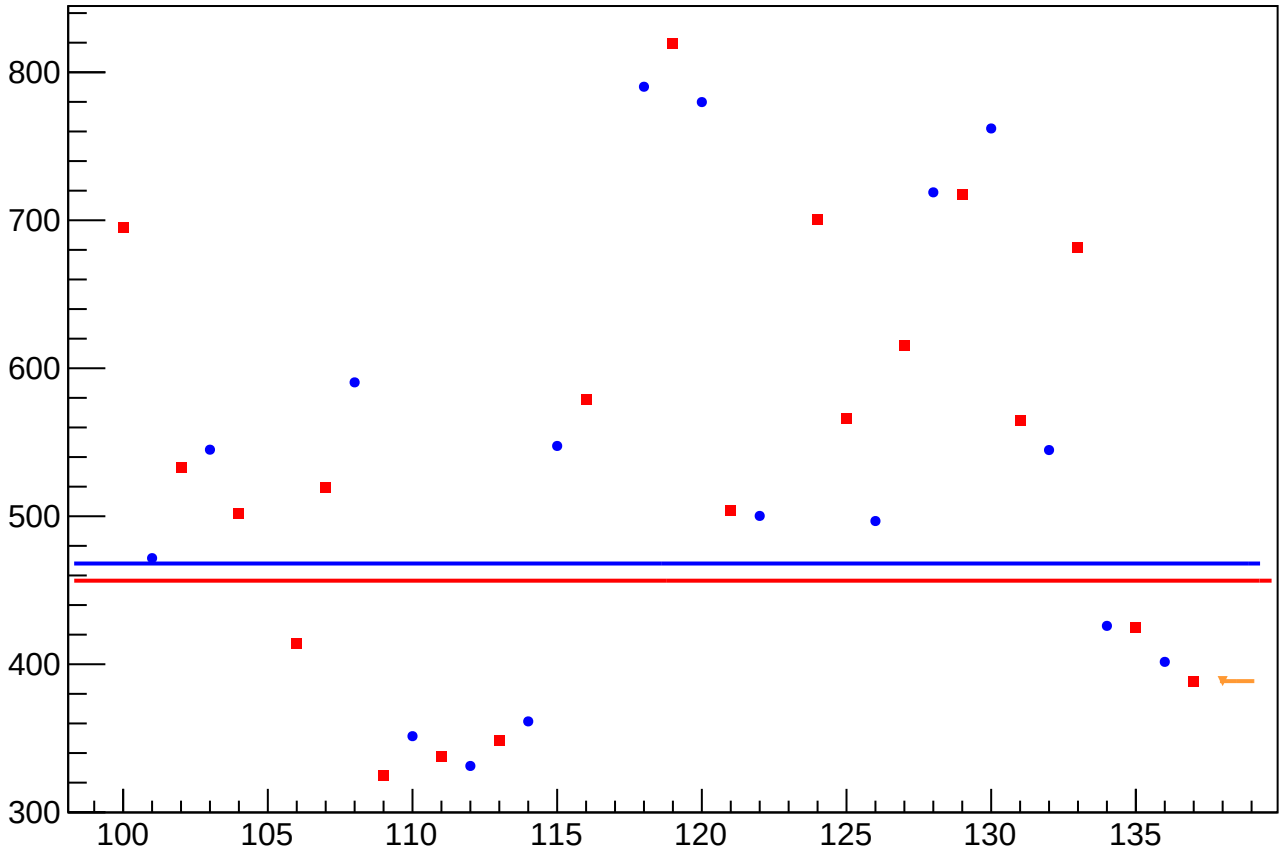
Left: -481.400+/-444.548 χ^2/NDF: 0.0/0

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 243.828+/-180.872 χ^2/NDF:25.6/15

Out: -344.511+/-161.733 χ^2/NDF:16.6/19

All: -83.106+/-120.563 χ^2/NDF: 48.0/35



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 388.592+/-0.314 χ^2/NDF:0.0/0

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

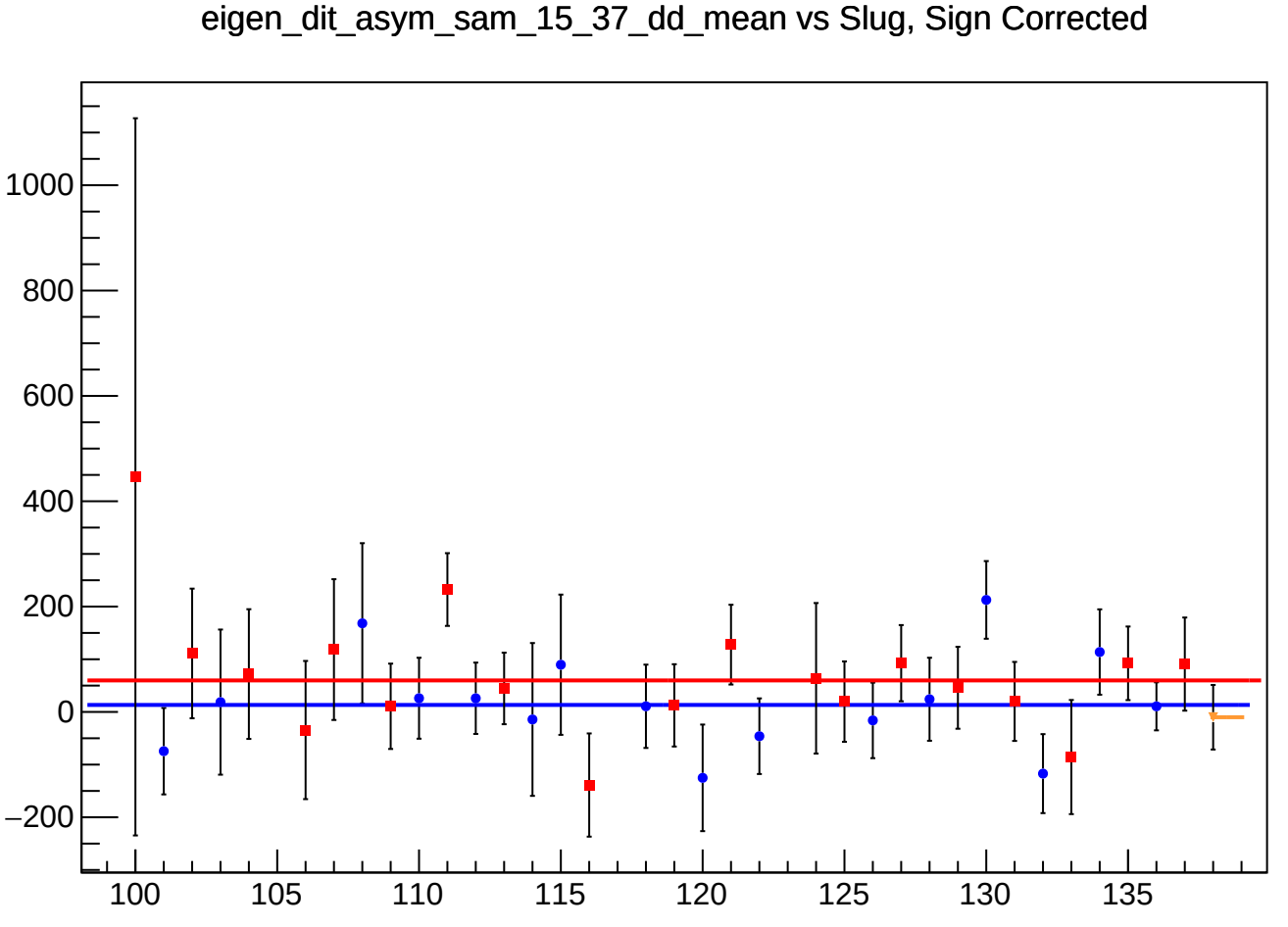
Left: 388.592+/-0.314 χ^2/NDF: 0.0/0

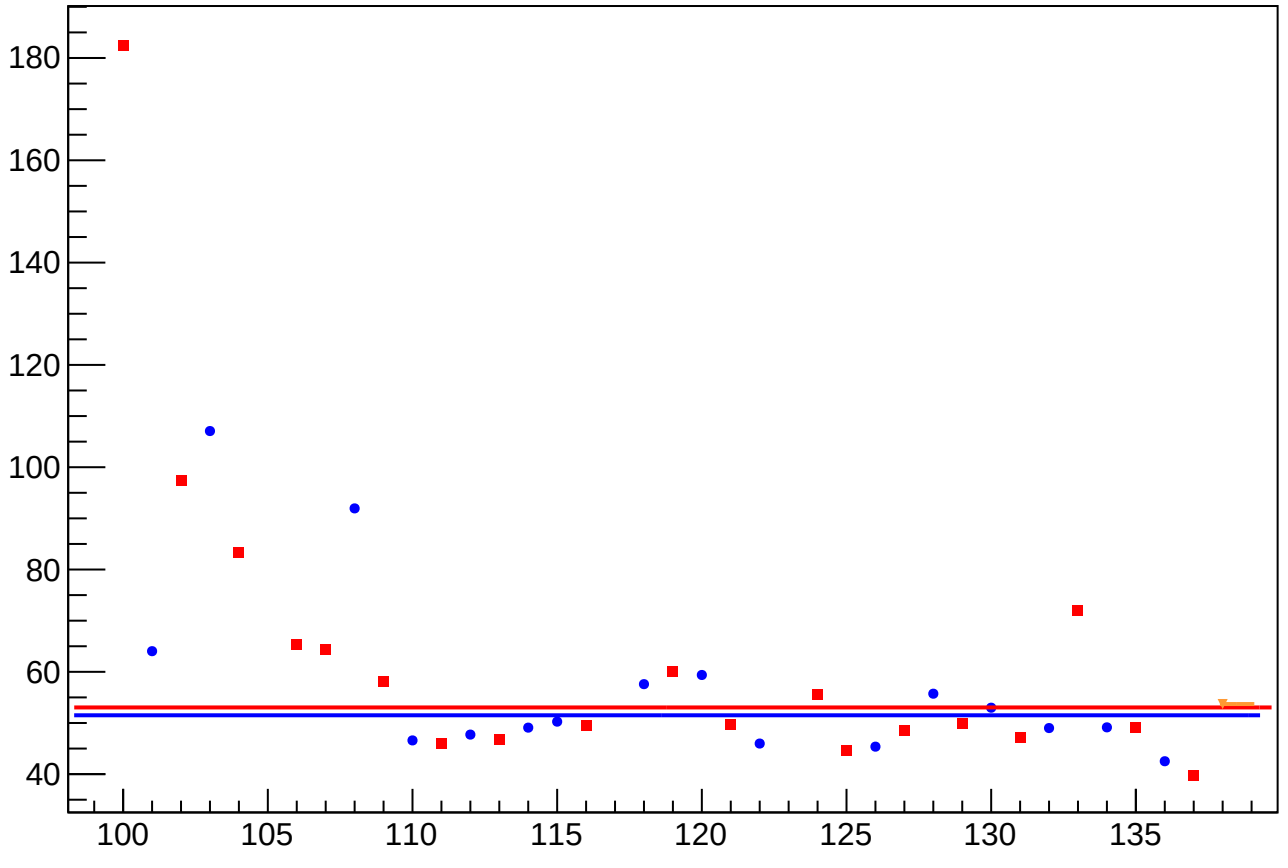
Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 468.066+/-0.128 χ^2/NDF:982915.0/15

Out: 447.484+/-0.114 χ^2/NDF:1123022.0/19

All: 456.629+/-0.085 χ^2/NDF: 2120327.9/35


eigen_dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
100
105
110
115
120
125
130
135
Right In: 13.266+/-19.849 χ²/NDF: 17.2/15
Left Out: -10.061+/-61.297 χ²/NDF:0.0/0
Right Out: 59.811+/-20.234 χ²/NDF: 16.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -10.061+/-61.297 χ²/NDF: 0.0/0
Right: 36.092+/-14.170 χ²/NDF: 36.0/34
In: 13.266+/-19.849 χ²/NDF:17.2/15
Out: 52.946+/-19.214 χ²/NDF:17.3/19
All: 33.751+/-13.805 χ²/NDF: 36.6/35



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 53.704+/-0.043 χ^2/NDF:0.0/0

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 53.704+/-0.043 χ^2/NDF: 0.0/0

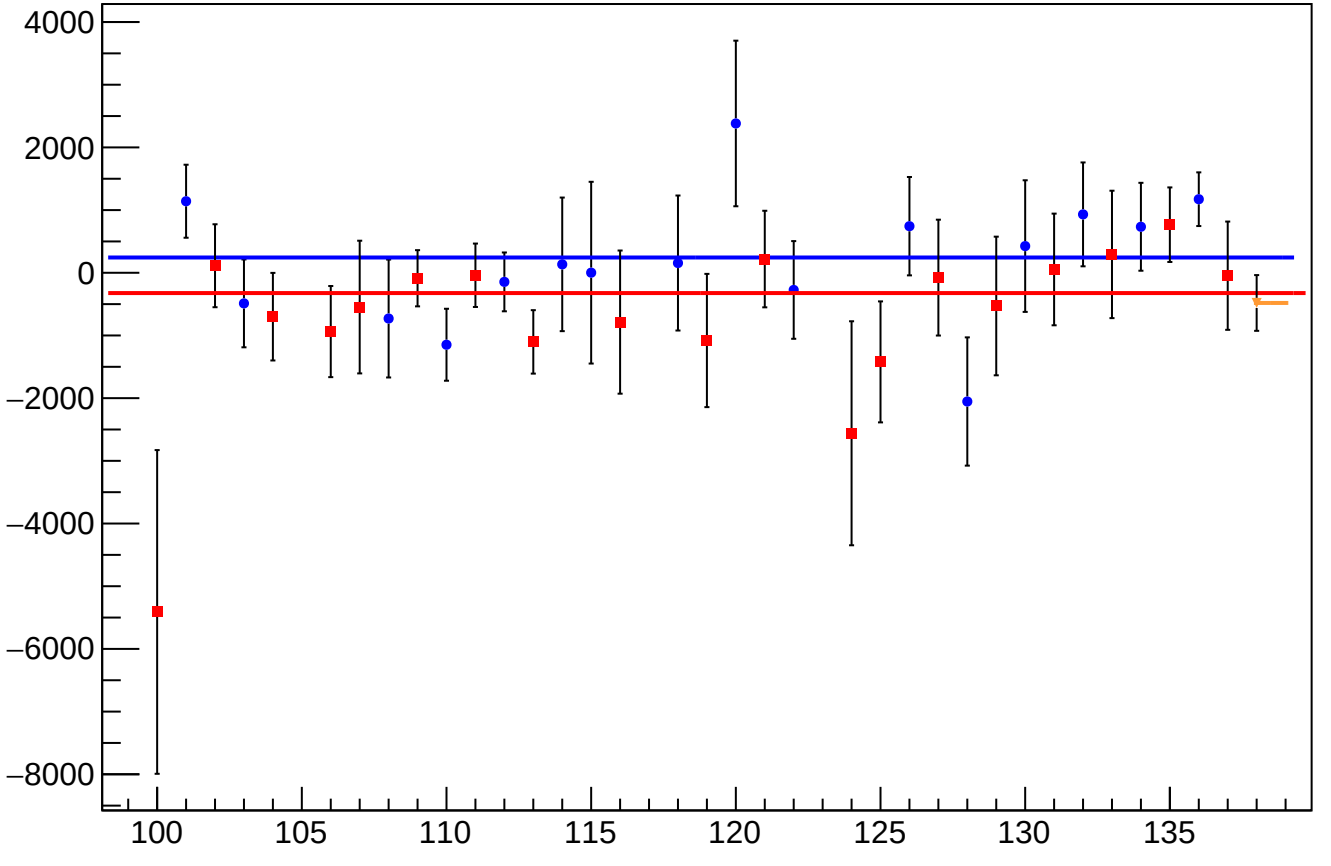
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 51.506+/-0.014 χ^2/NDF:667064.6/15

Out: 53.103+/-0.014 χ^2/NDF:713131.6/19

All: 52.330+/-0.010 χ^2/NDF: 1386882.8/35

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: -481.401+/-444.549 χ^2/NDF:0.0/0

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

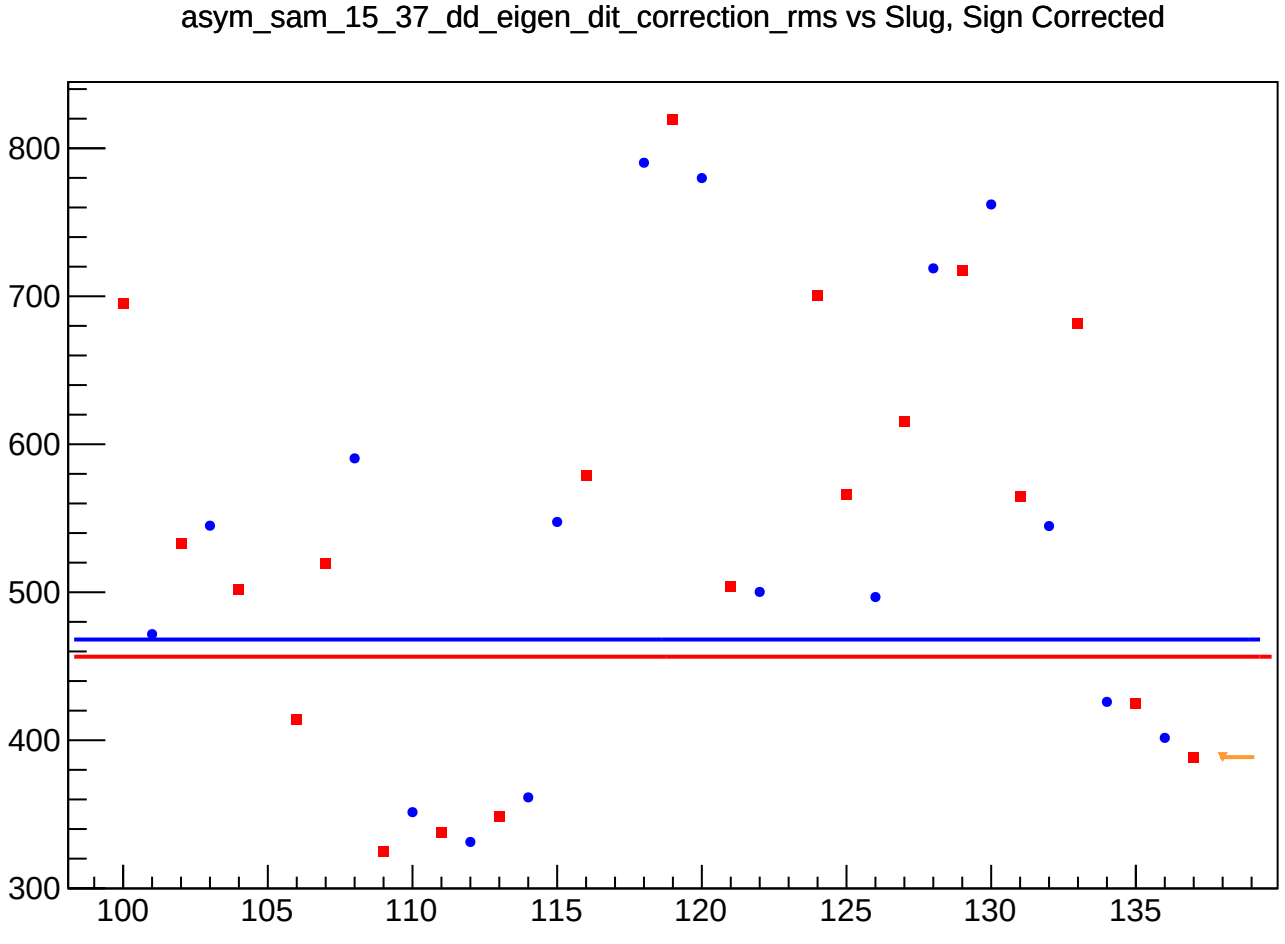
Left: -481.401+/-444.549 χ^2/NDF: 0.0/0

Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 243.826+/-180.872 χ^2/NDF:25.6/15

Out: -344.511+/-161.733 χ^2/NDF:16.6/19

All: -83.106+/-120.563 χ^2/NDF: 48.0/35



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 388.593+/-0.314 χ^2/NDF:0.0/0

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

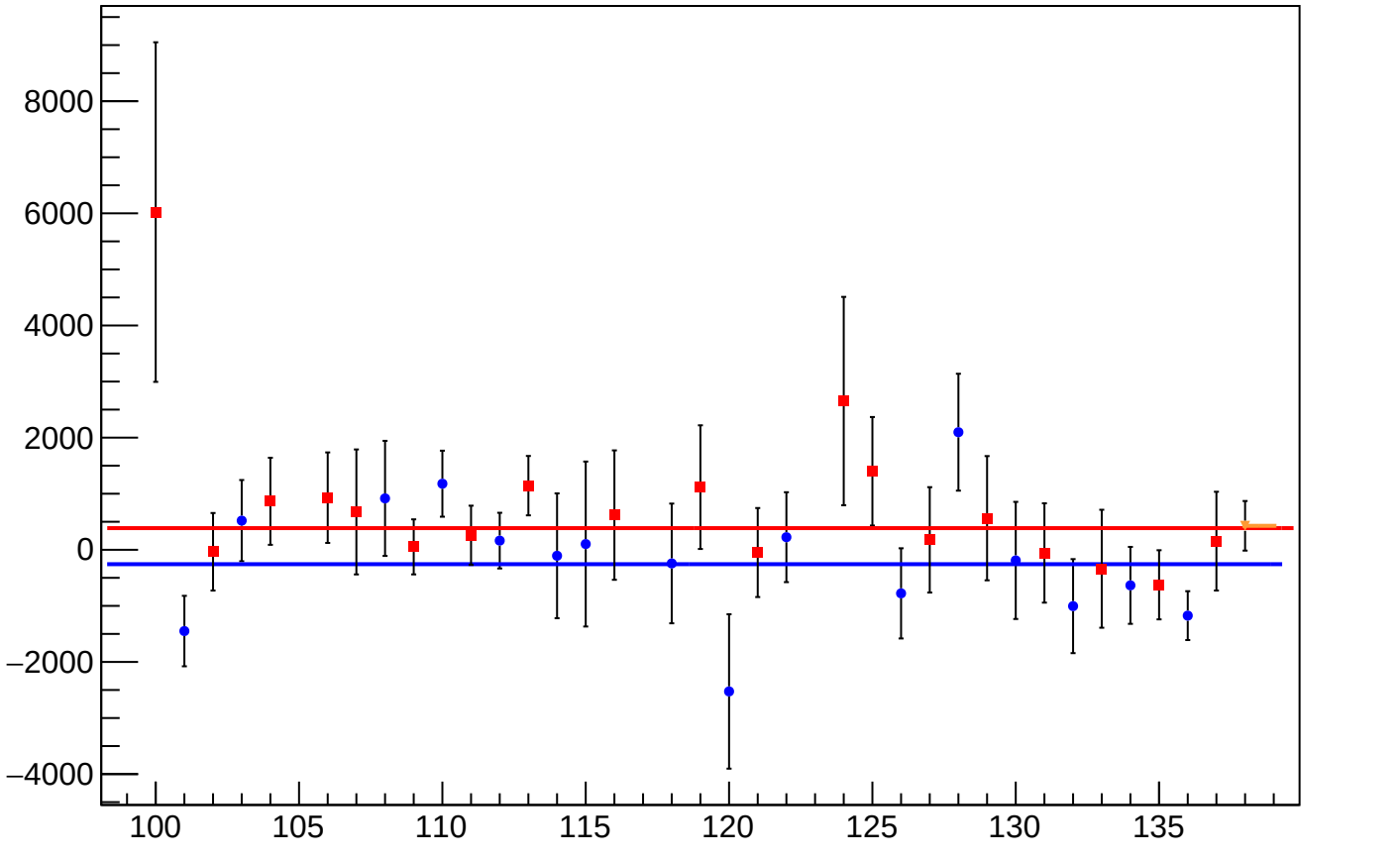
Left: 388.593+/-0.314 χ^2/NDF: 0.0/0

Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 468.065+/-0.128 χ^2/NDF:982915.8/15

Out: 447.483+/-0.114 χ^2/NDF:1123016.7/19

All: 456.628+/-0.085 χ^2/NDF: 2120323.0/35



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: 427.704+/-442.236 χ^2/NDF:0.0/0

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 427.704+/-442.236 χ^2/NDF: 0.0/0

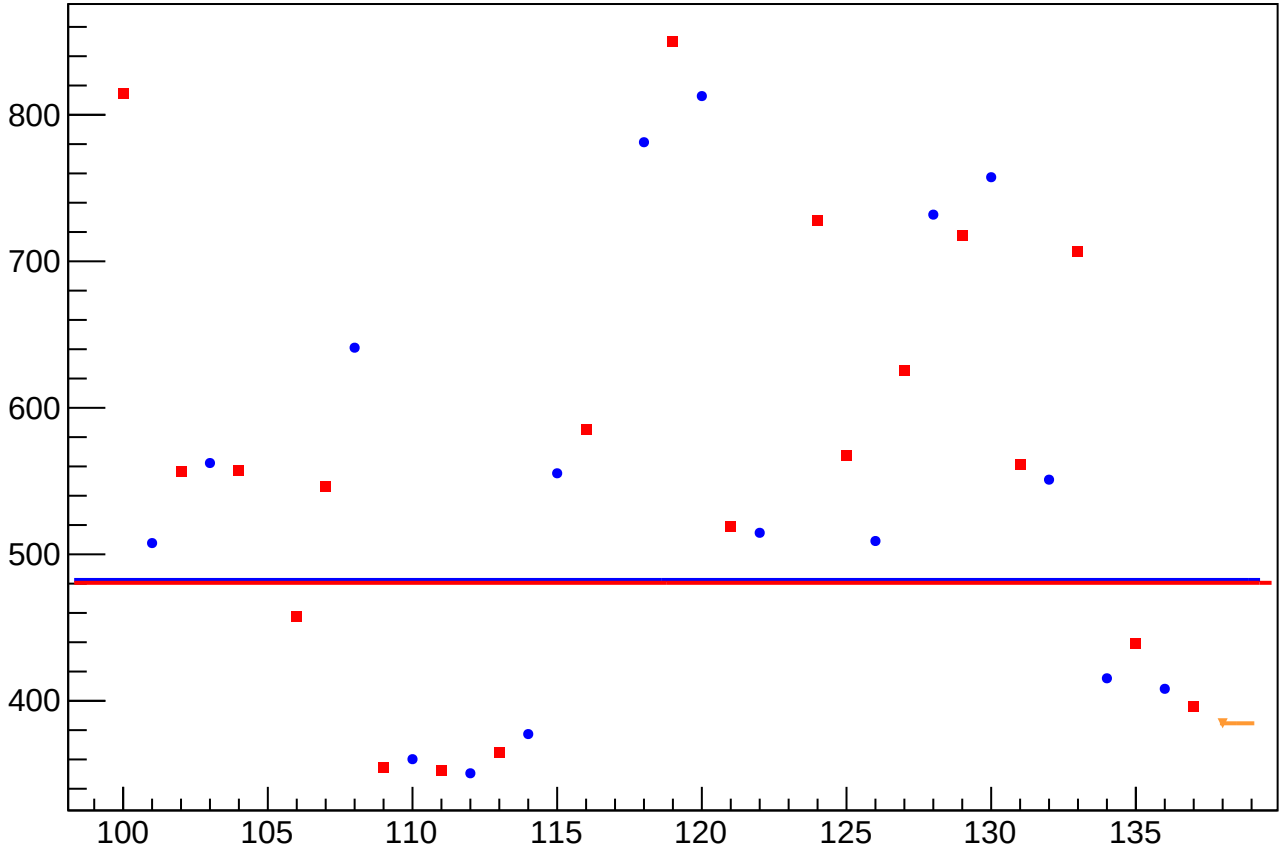
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -256.748+/-186.462 χ^2/NDF:26.9/15

Out: 392.445+/-168.591 χ^2/NDF:14.2/19

All: 100.441+/-125.054 χ^2/NDF: 47.8/35

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 384.670+/-0.313 χ^2/NDF:0.0/0

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

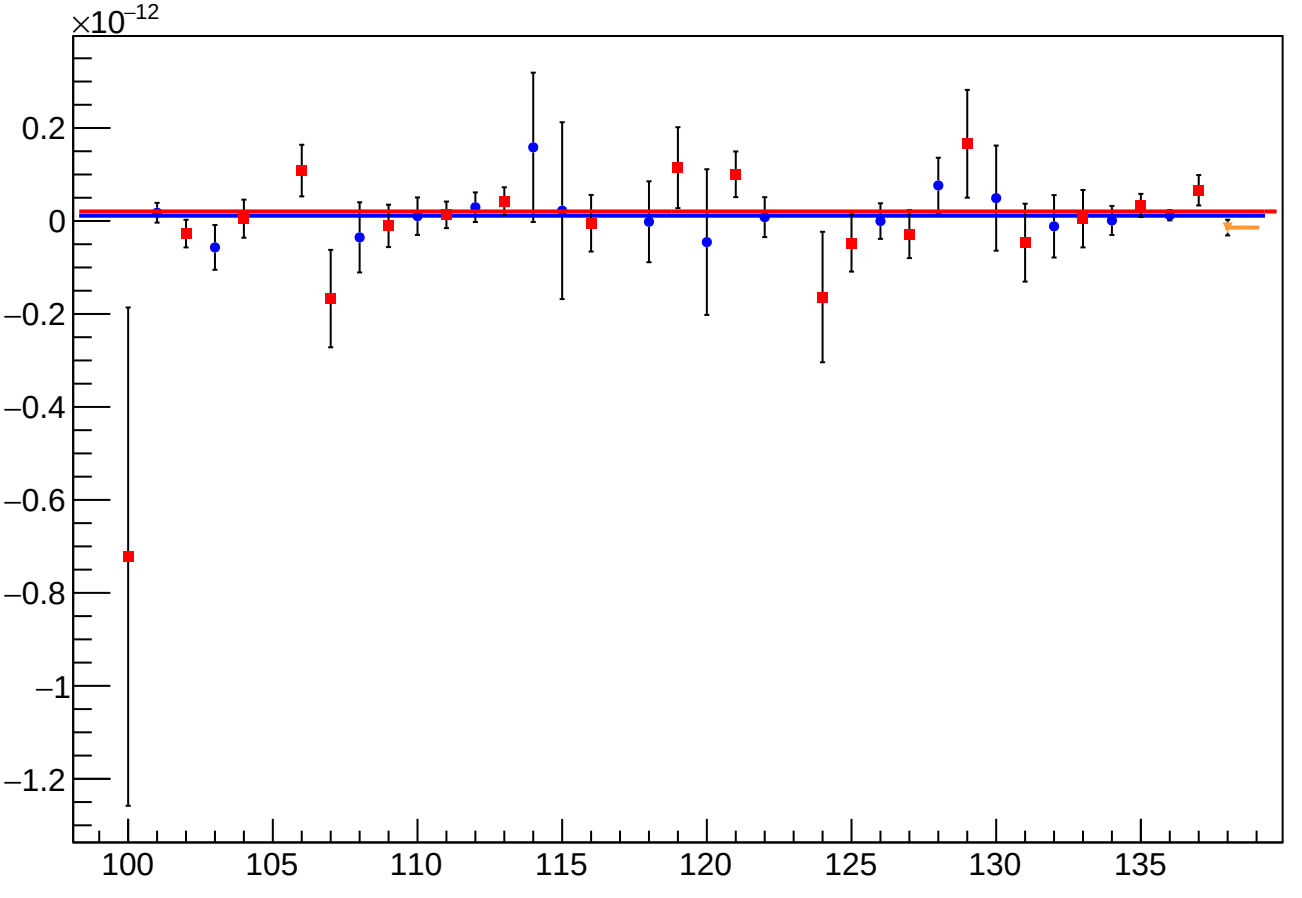
Left: 384.670+/-0.313 χ^2/NDF: 0.0/0

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 482.512+/-0.132 χ^2/NDF:946526.1/15

Out: 466.623+/-0.119 χ^2/NDF:1074159.7/19

All: 473.770+/-0.088 χ^2/NDF: 2028676.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

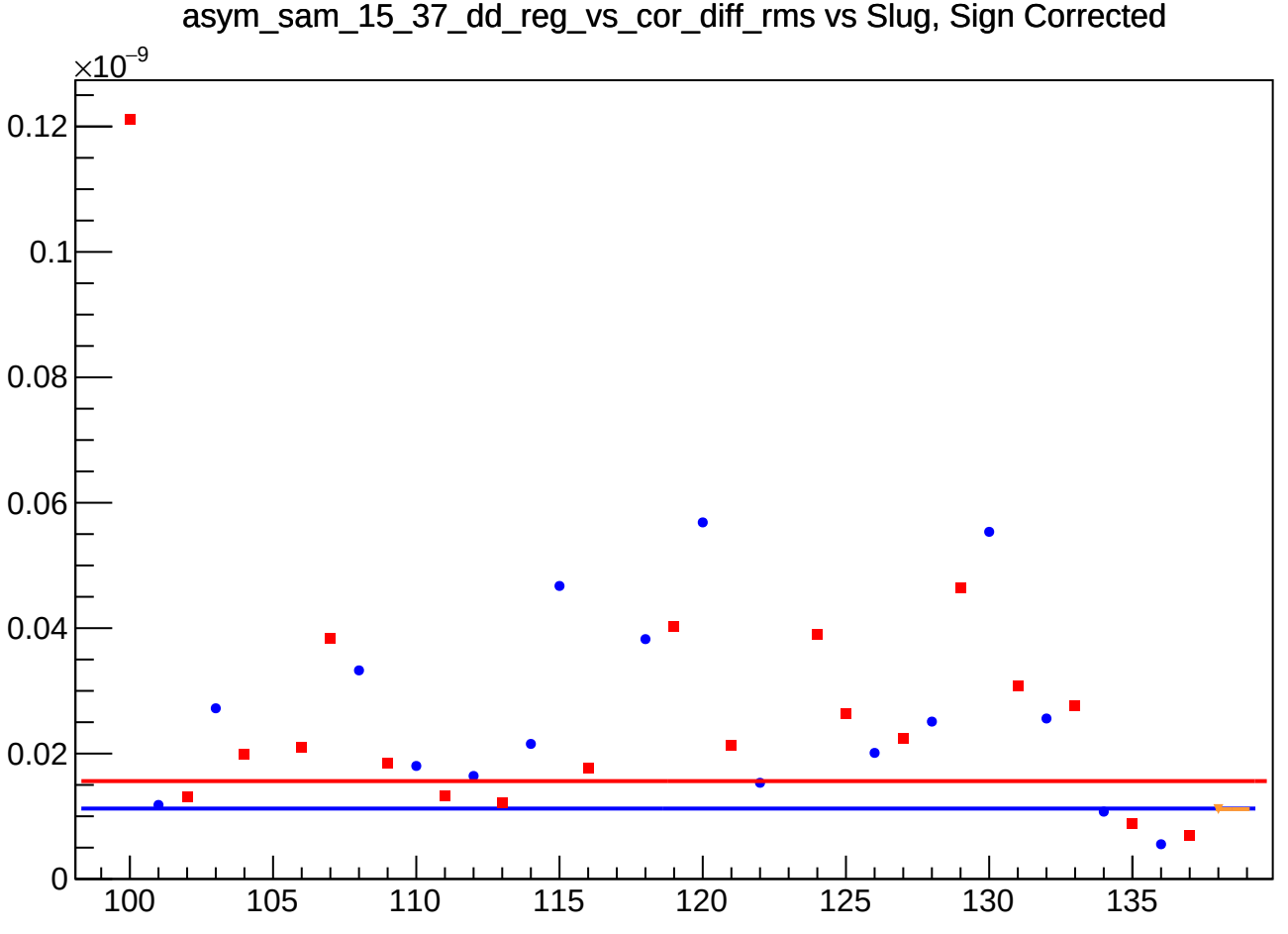
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: 0.000+/-0.000 χ^2/NDF:5.4/15

Out: 0.000+/-0.000 χ^2/NDF:26.8/19

All: 0.000+/-0.000 χ^2/NDF: 32.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

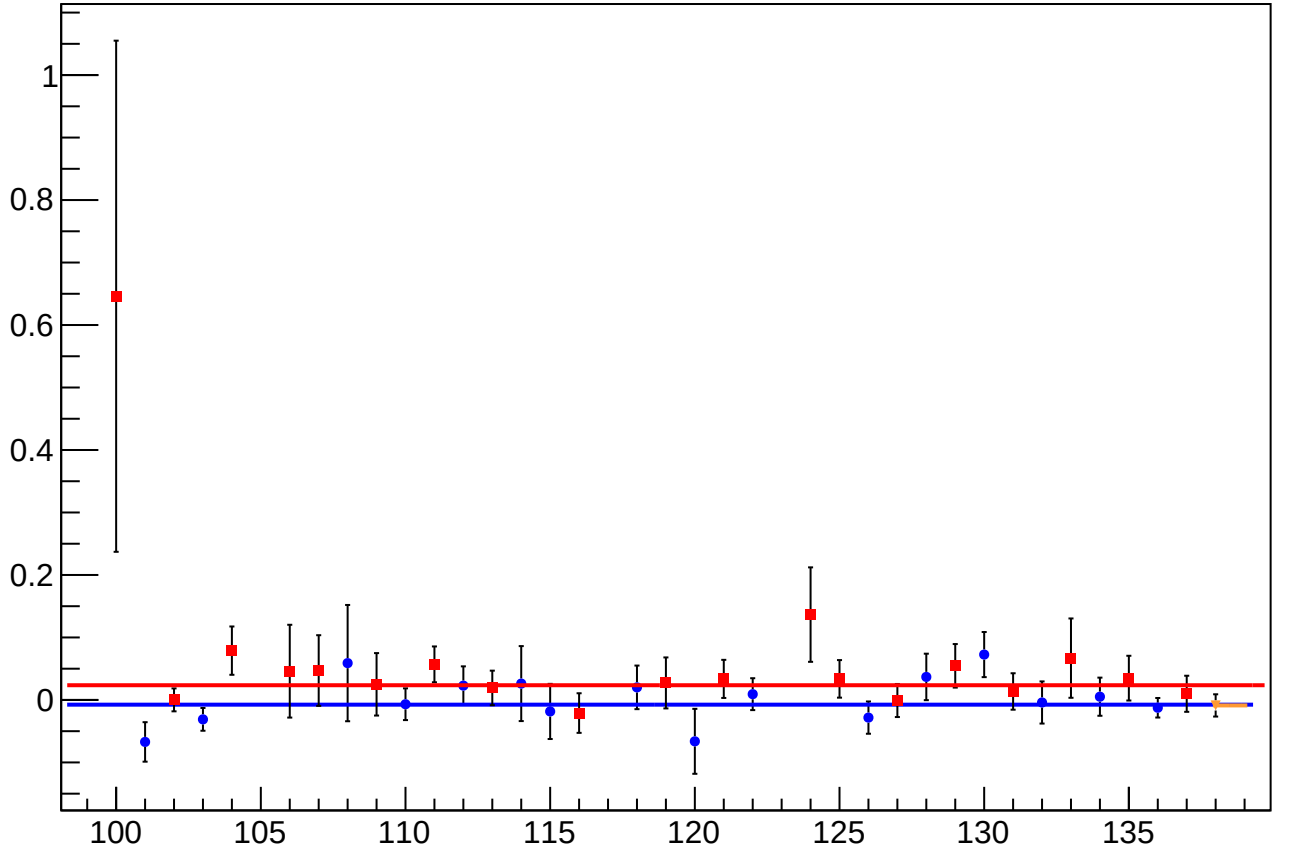
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2103068.7/15

Out: 0.000+/-0.000 χ^2/NDF:1286457.5/19

All: 0.000+/-0.000 χ^2/NDF: 3532917.6/35

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: -0.009+/-0.018 χ^2/NDF:0.0/0

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

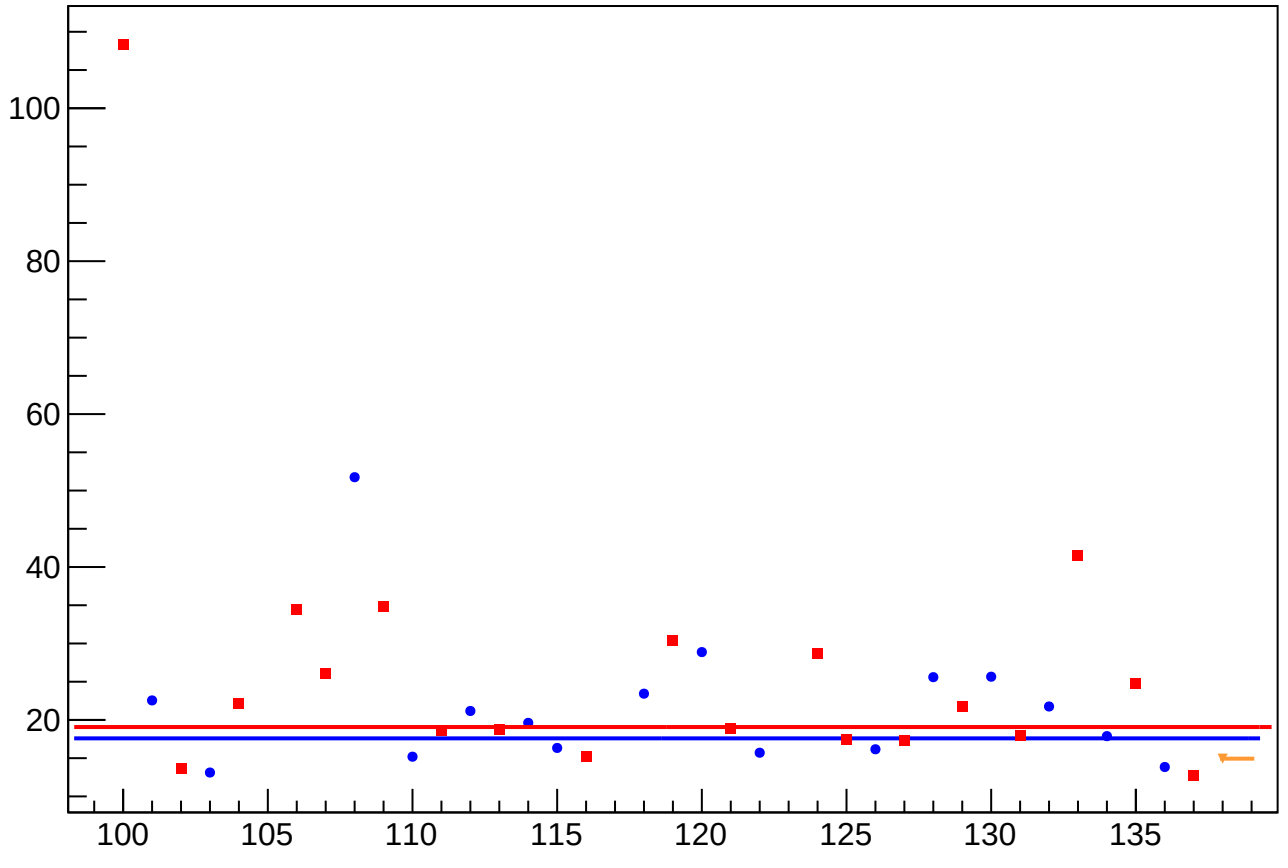
Left: -0.009+/-0.018 χ^2/NDF: 0.0/0

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.008+/-0.007 χ^2/NDF:16.7/15

Out: 0.018+/-0.007 χ^2/NDF:17.4/19

All: 0.006+/-0.005 χ^2/NDF: 40.7/35



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 14.937+/-0.013 χ^2/NDF:0.0/0

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 14.937+/-0.013 χ^2/NDF: 0.0/0

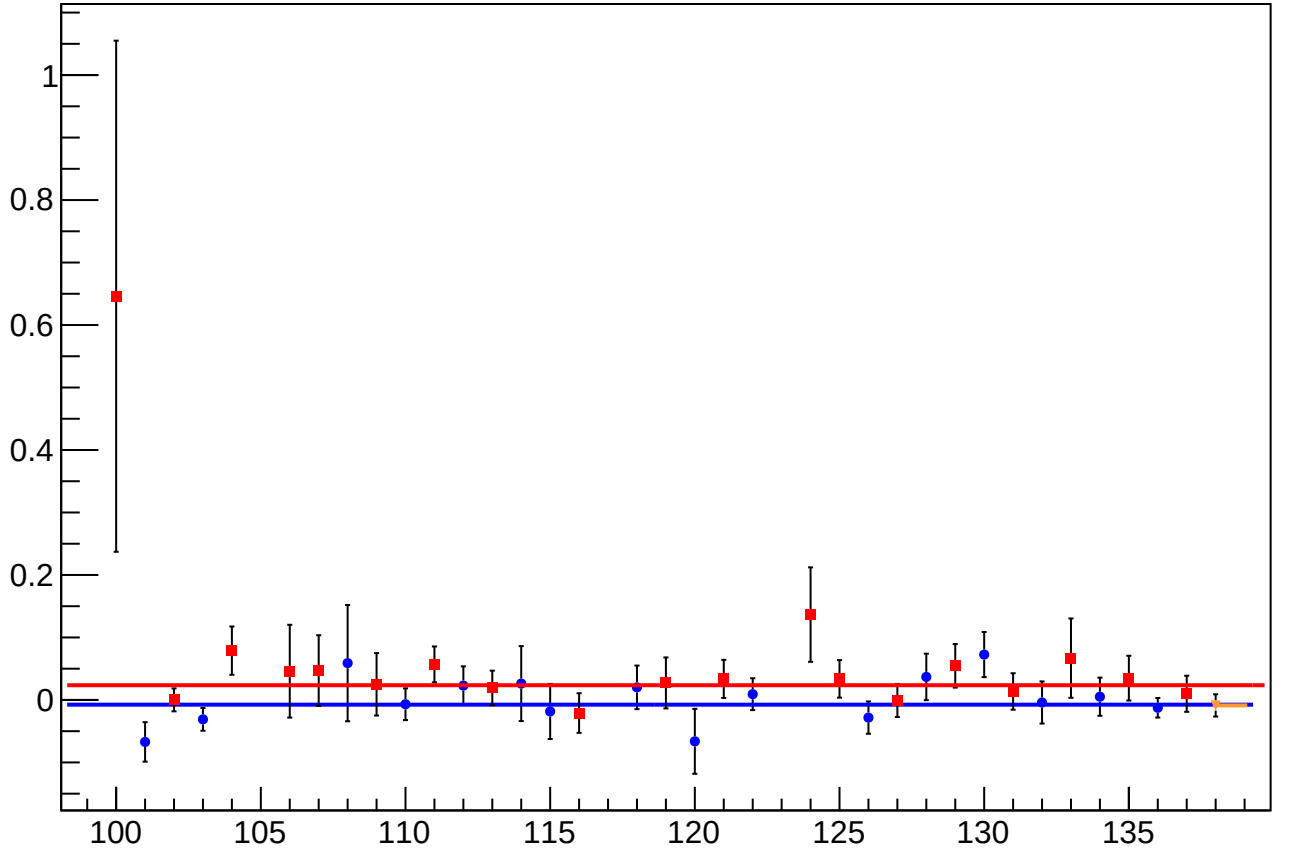
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.591+/-0.005 χ^2/NDF:993249.5/15

Out: 18.415+/-0.005 χ^2/NDF:1338535.3/19

All: 18.009+/-0.004 χ^2/NDF: 2345064.0/35

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: -0.009+/-0.018 χ^2/NDF:0.0/0

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

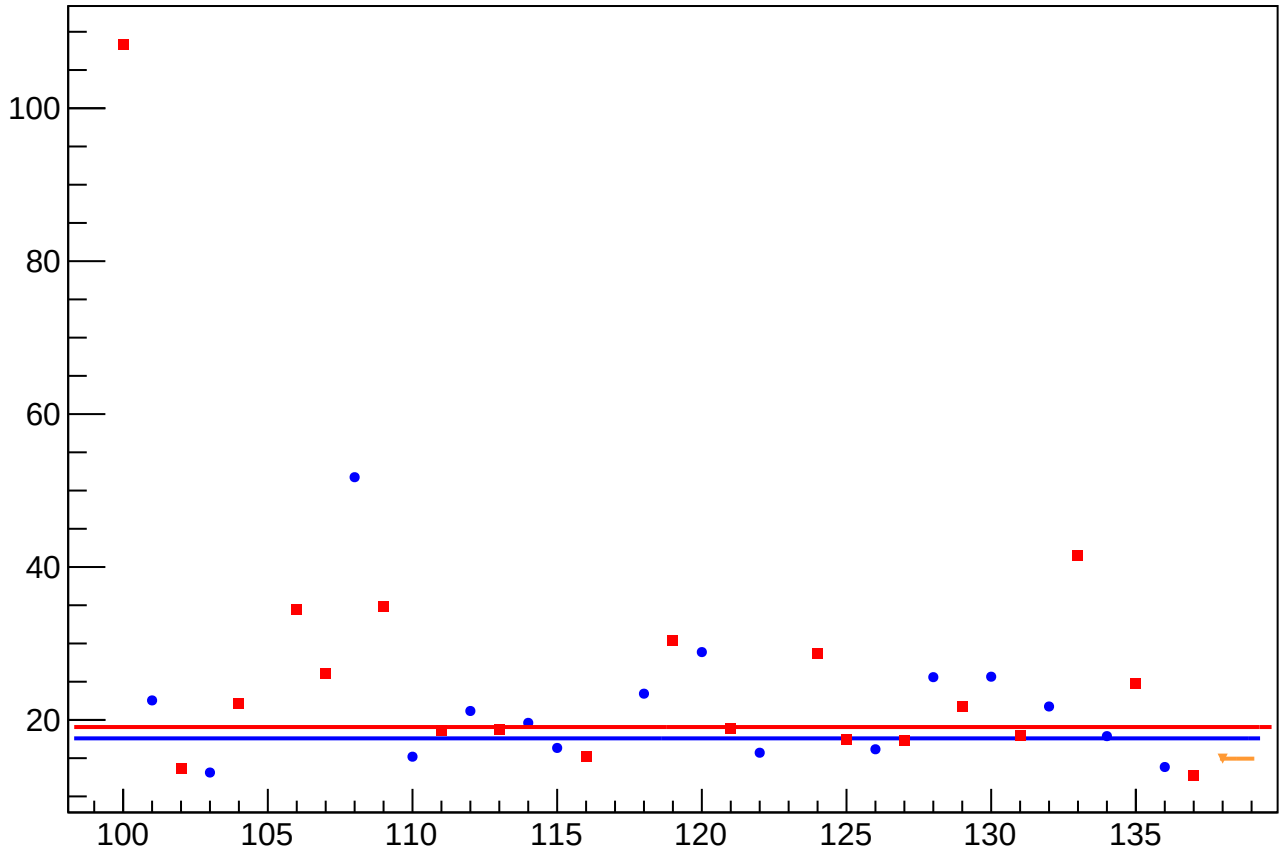
Left: -0.009+/-0.018 χ^2/NDF: 0.0/0

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.008+/-0.007 χ^2/NDF:16.7/15

Out: 0.018+/-0.007 χ^2/NDF:17.4/19

All: 0.006+/-0.005 χ^2/NDF: 40.7/35



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 14.937+/-0.013 χ^2/NDF:0.0/0

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

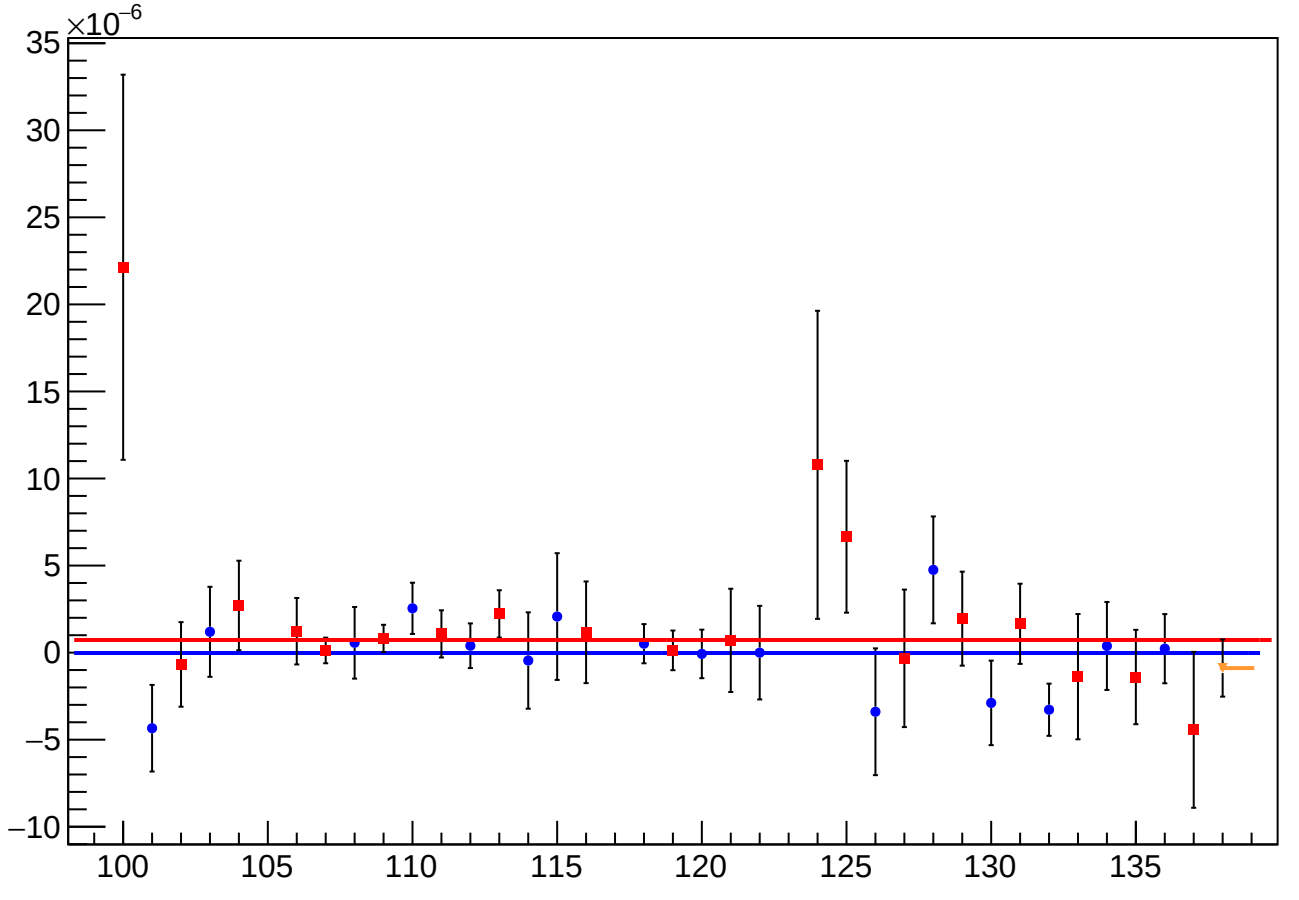
Left: 14.937+/-0.013 χ^2/NDF: 0.0/0

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.591+/-0.005 χ^2/NDF:993249.5/15

Out: 18.415+/-0.005 χ^2/NDF:1338535.3/19

All: 18.009+/-0.004 χ^2/NDF: 2345064.0/35



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

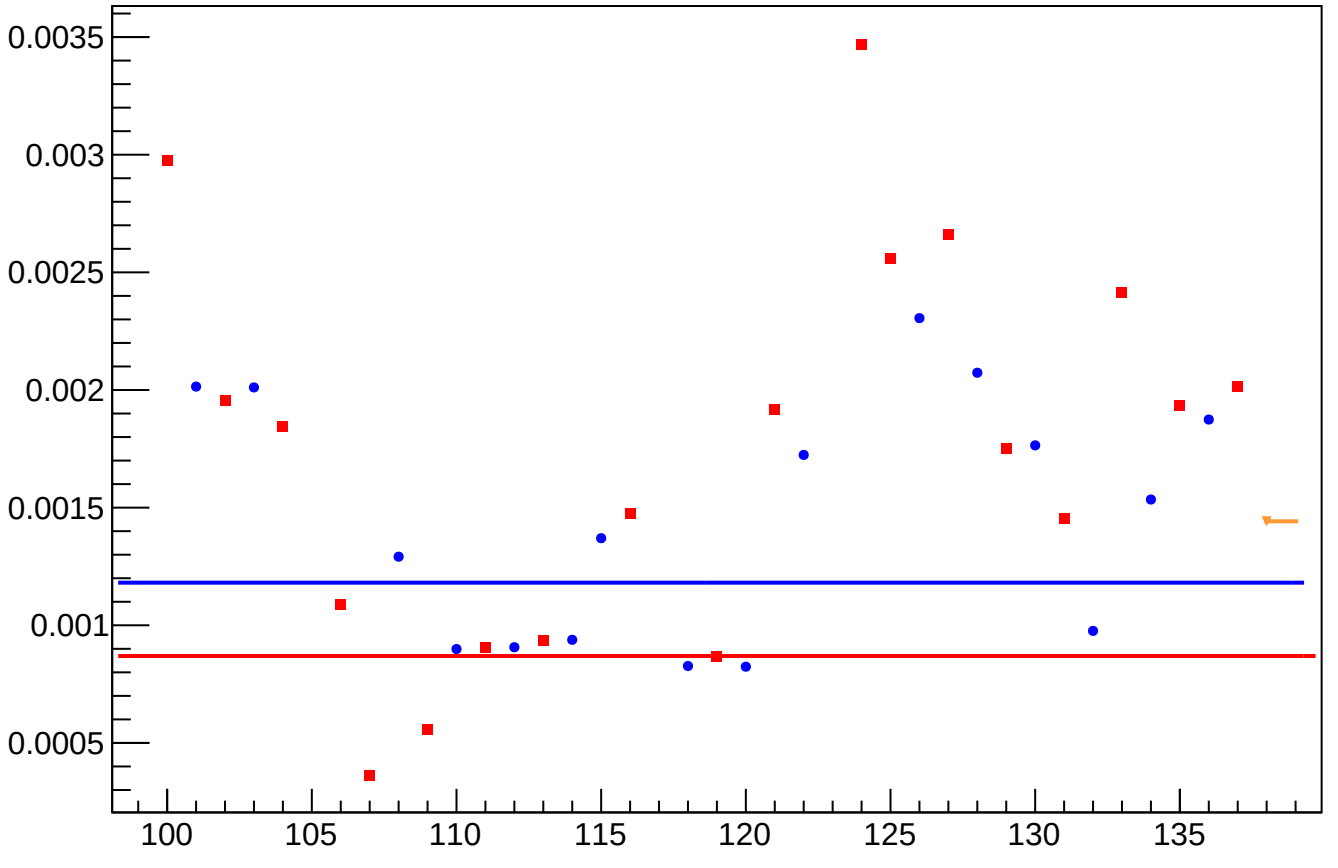
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:16.5/15

Out: 0.000+/-0.000 χ^2/NDF:13.8/19

All: 0.000+/-0.000 χ^2/NDF: 31.5/35



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.001+/-0.000 χ^2/NDF: 0.0/0

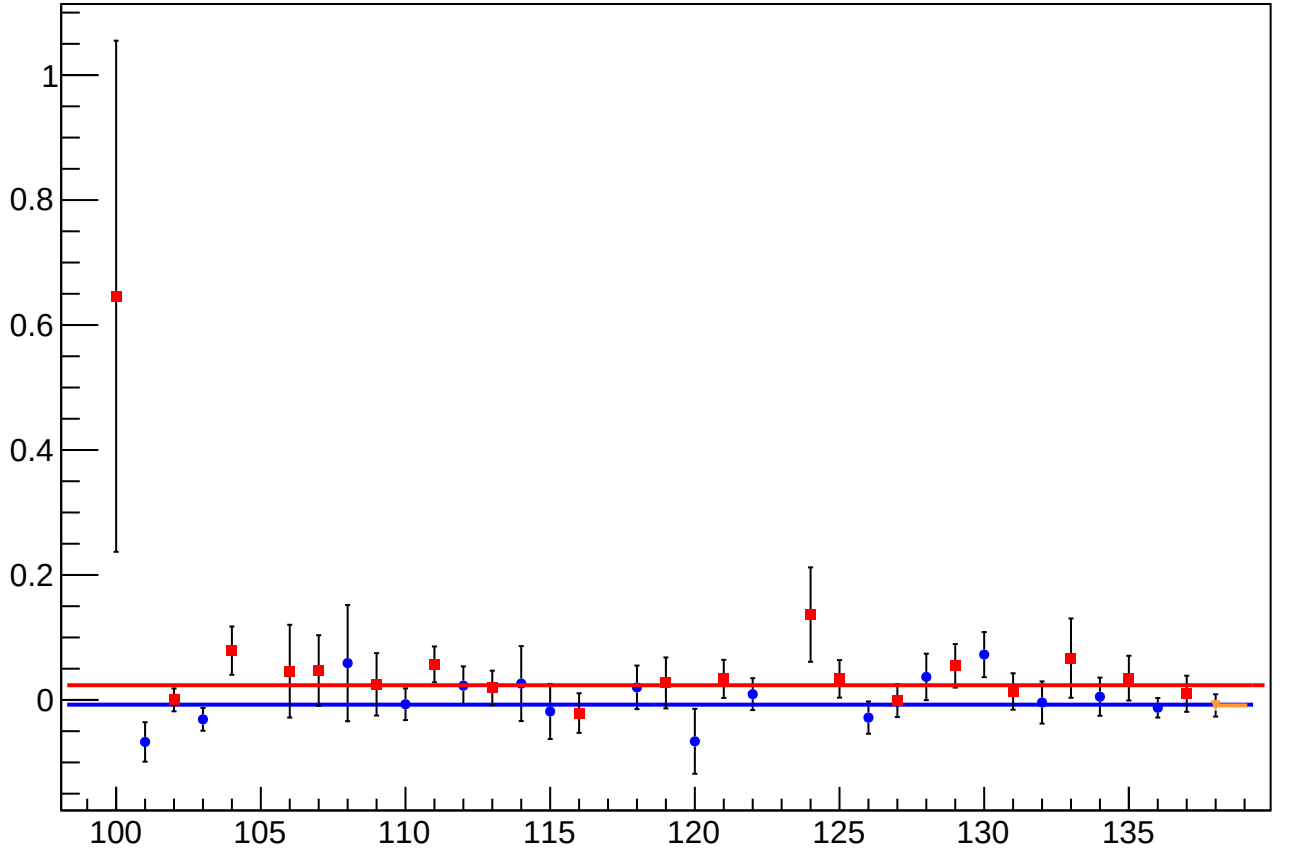
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:1828304.9/15

Out: 0.001+/-0.000 χ^2/NDF:4666258.0/19

All: 0.001+/-0.000 χ^2/NDF: 6935819.1/35

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: -0.009+/-0.018 χ^2/NDF:0.0/0

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

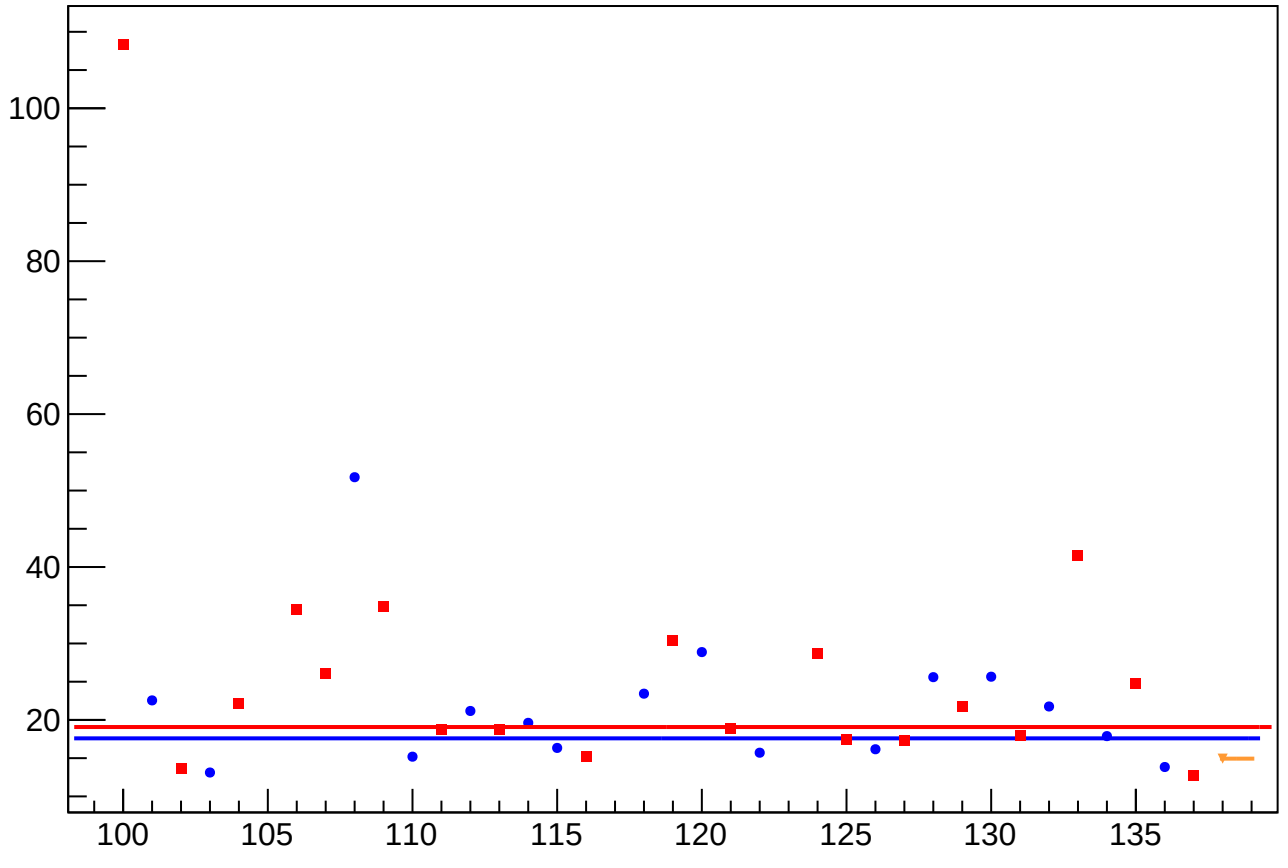
Left: -0.009+/-0.018 χ^2/NDF: 0.0/0

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.008+/-0.007 χ^2/NDF:16.7/15

Out: 0.018+/-0.007 χ^2/NDF:17.4/19

All: 0.006+/-0.005 χ^2/NDF: 40.7/35



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 14.937+/-0.013 χ^2/NDF:0.0/0

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 14.937+/-0.013 χ^2/NDF: 0.0/0

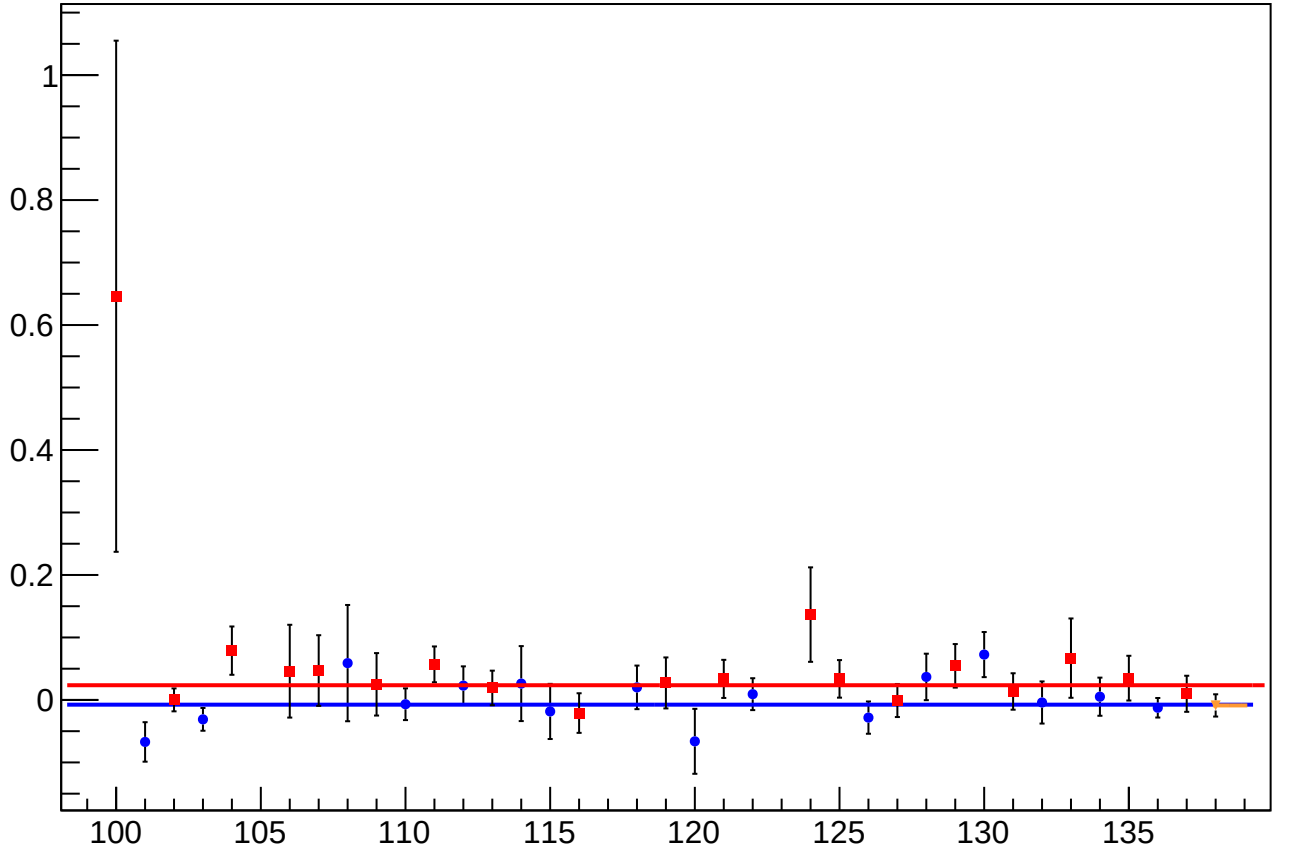
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.591+/-0.005 χ^2/NDF:993288.6/15

Out: 18.416+/-0.005 χ^2/NDF:1338466.8/19

All: 18.009+/-0.004 χ^2/NDF: 2345042.2/35

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: -0.009+/-0.018 χ^2/NDF:0.0/0

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.009+/-0.018 χ^2/NDF: 0.0/0

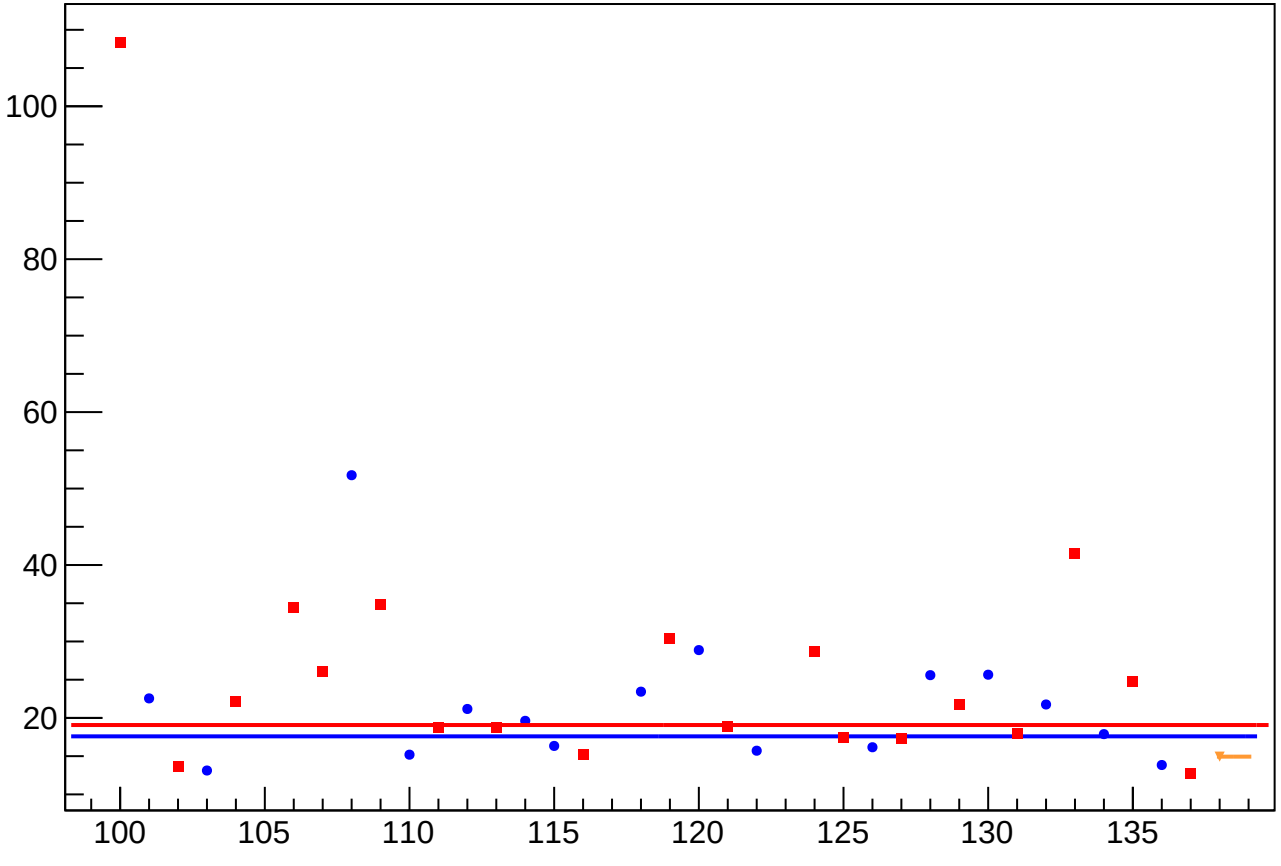
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.008+/-0.007 χ^2/NDF:16.7/15

Out: 0.018+/-0.007 χ^2/NDF:17.4/19

All: 0.006+/-0.005 χ^2/NDF: 40.7/35

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: 14.937+/-0.013 χ^2/NDF:0.0/0

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

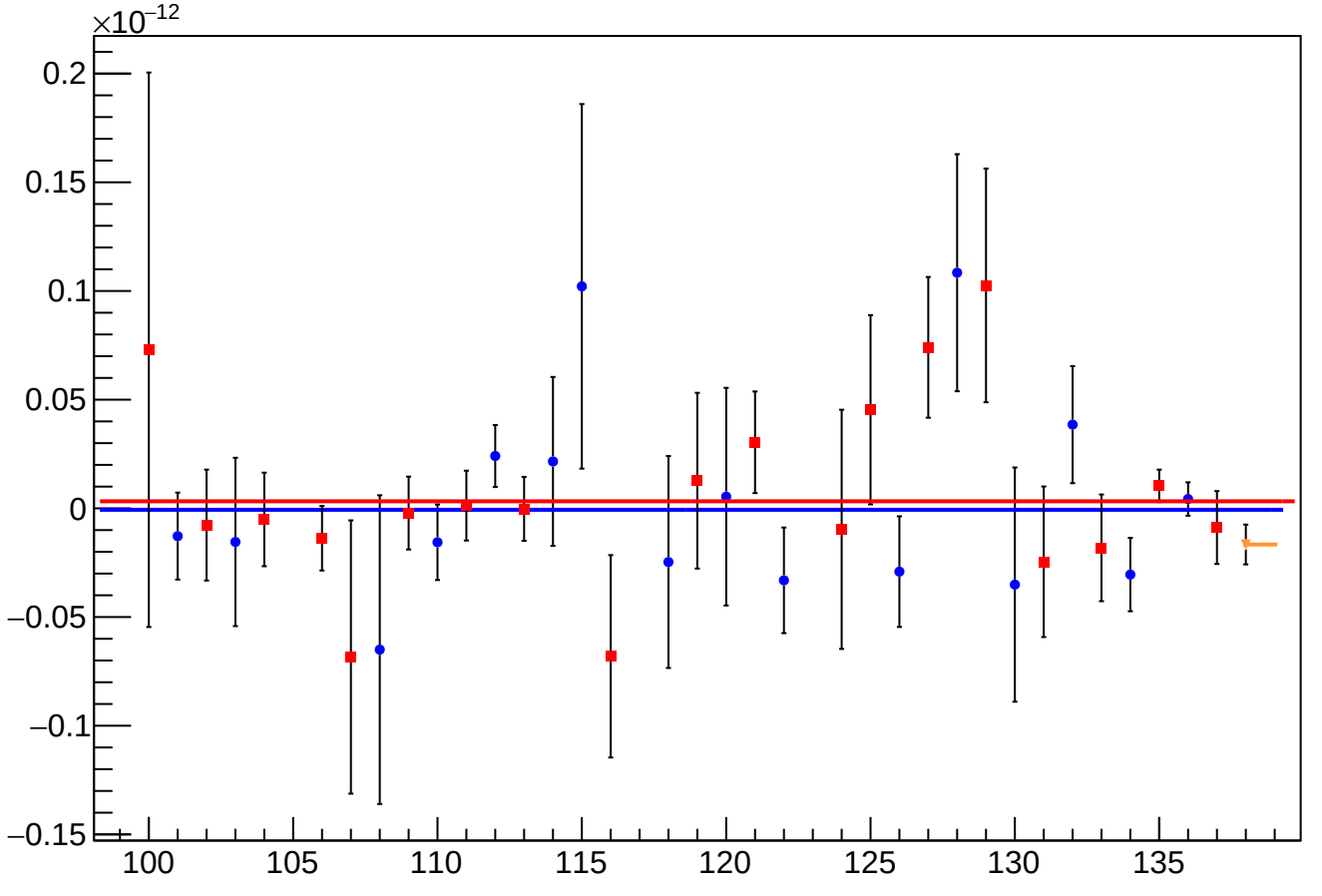
Left: 14.937+/-0.013 χ^2/NDF: 0.0/0

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.591+/-0.005 χ^2/NDF:993288.6/15

Out: 18.416+/-0.005 χ^2/NDF:1338466.8/19

All: 18.009+/-0.004 χ^2/NDF: 2345042.2/35



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

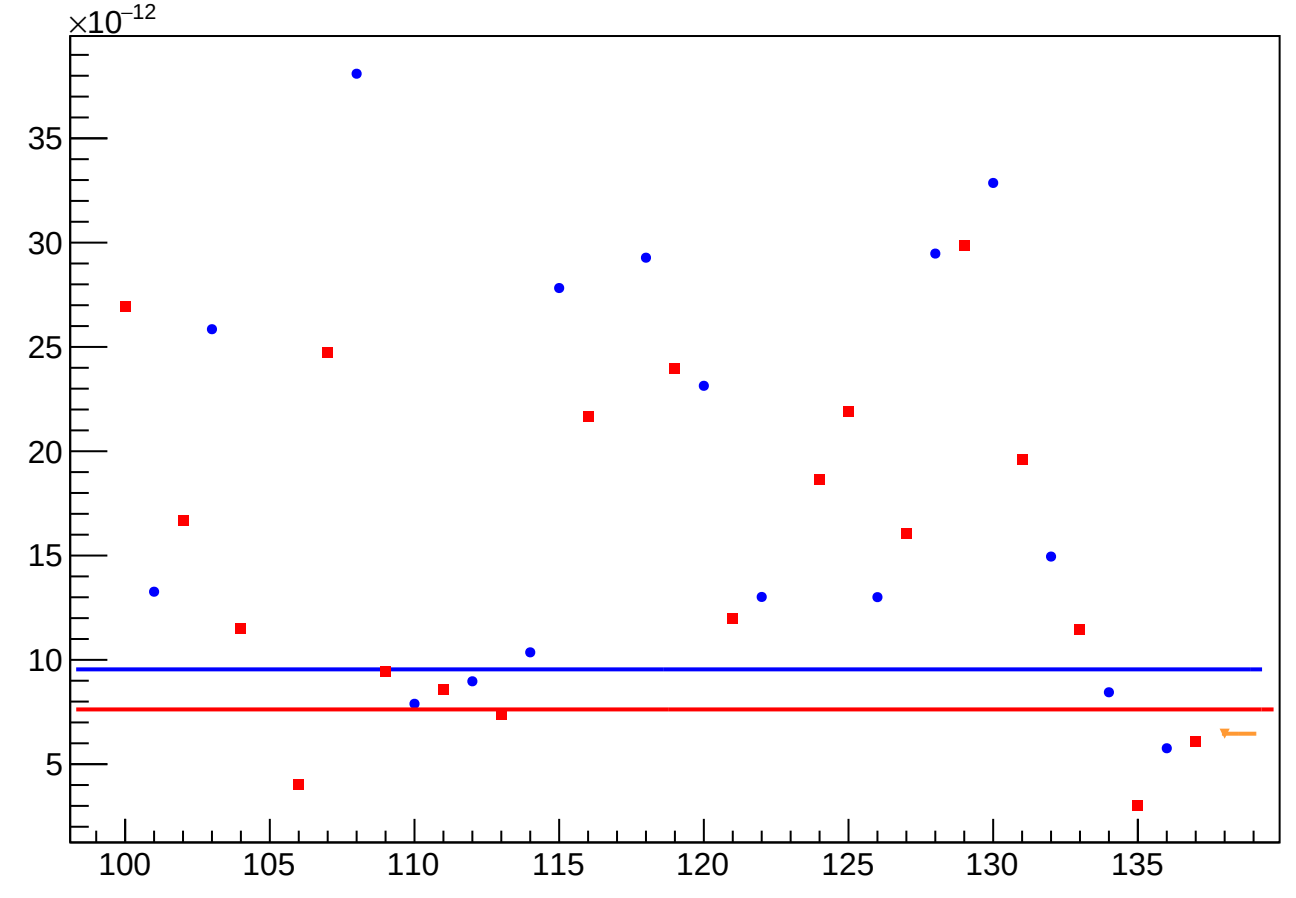
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:20.3/15

Out: -0.000+/-0.000 χ^2/NDF:23.0/19

All: -0.000+/-0.000 χ^2/NDF: 43.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

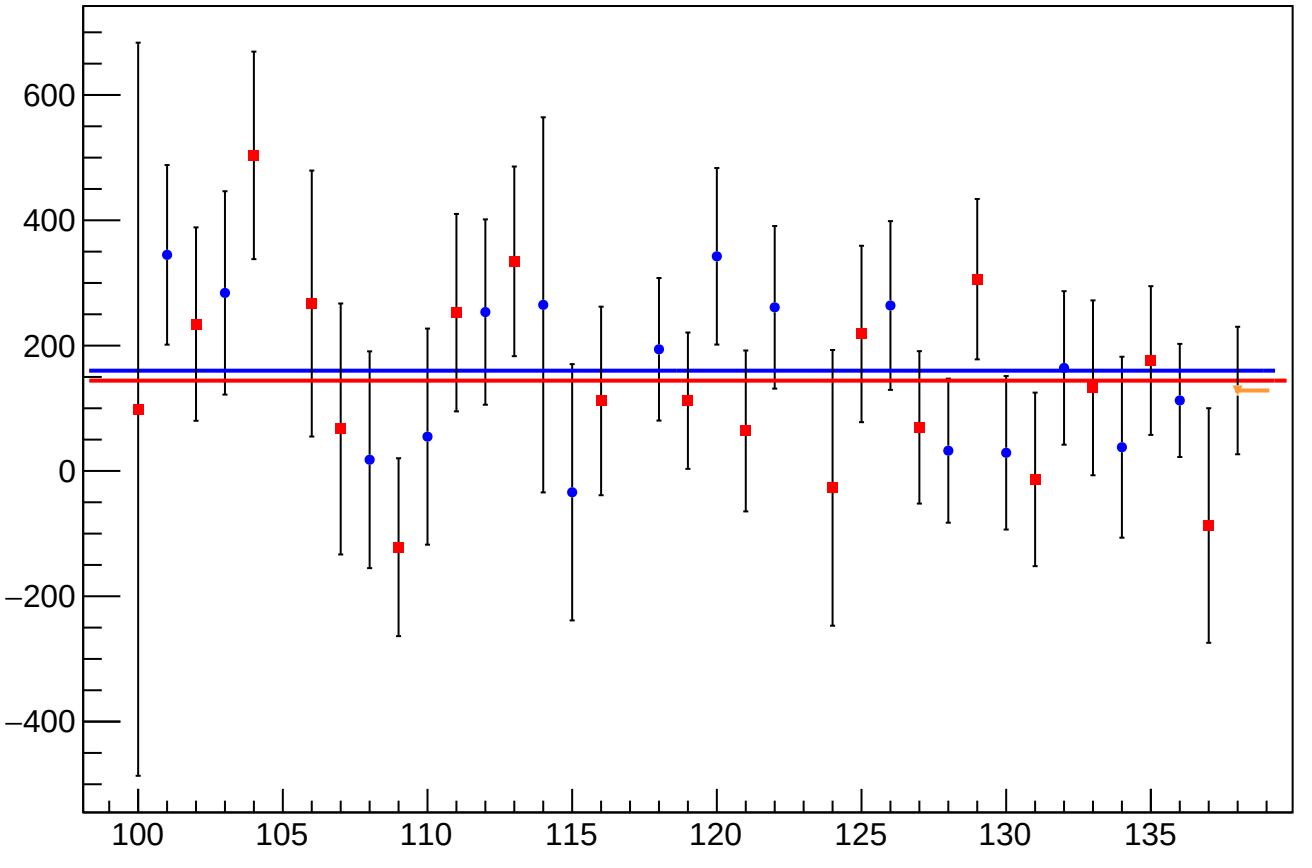
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:2632531.1/15

Out: 0.000+/-0.000 χ^2/NDF:3112050.6/19

All: 0.000+/-0.000 χ^2/NDF: 5964314.8/35



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 128.360+/-101.731 χ^2/NDF:0.0/0

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 128.360+/-101.731 χ^2/NDF: 0.0/0

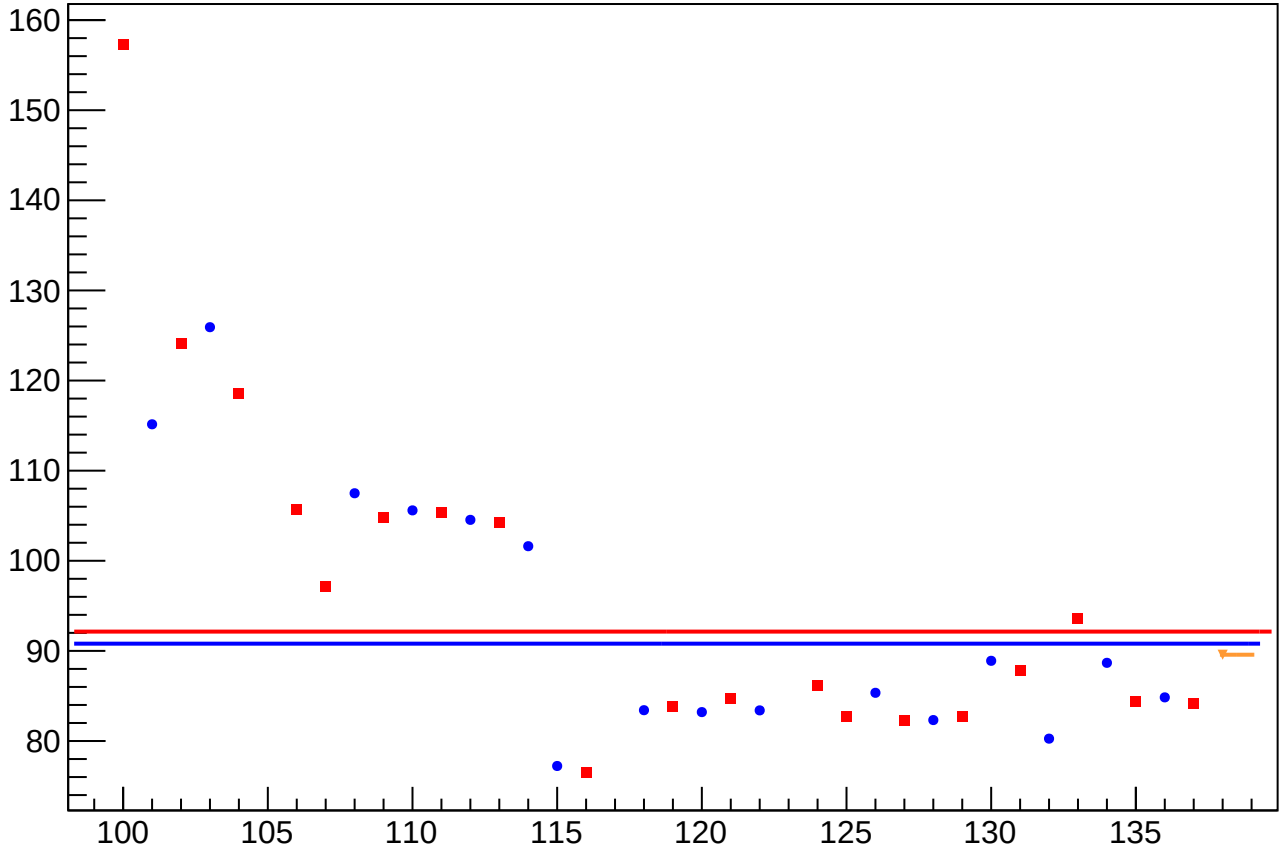
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 160.024+/-34.170 χ^2/NDF:11.1/15

Out: 142.516+/-32.429 χ^2/NDF:17.4/19

All: 150.812+/-23.522 χ^2/NDF: 28.6/35

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 89.576+/-0.072 χ^2/NDF:0.0/0

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

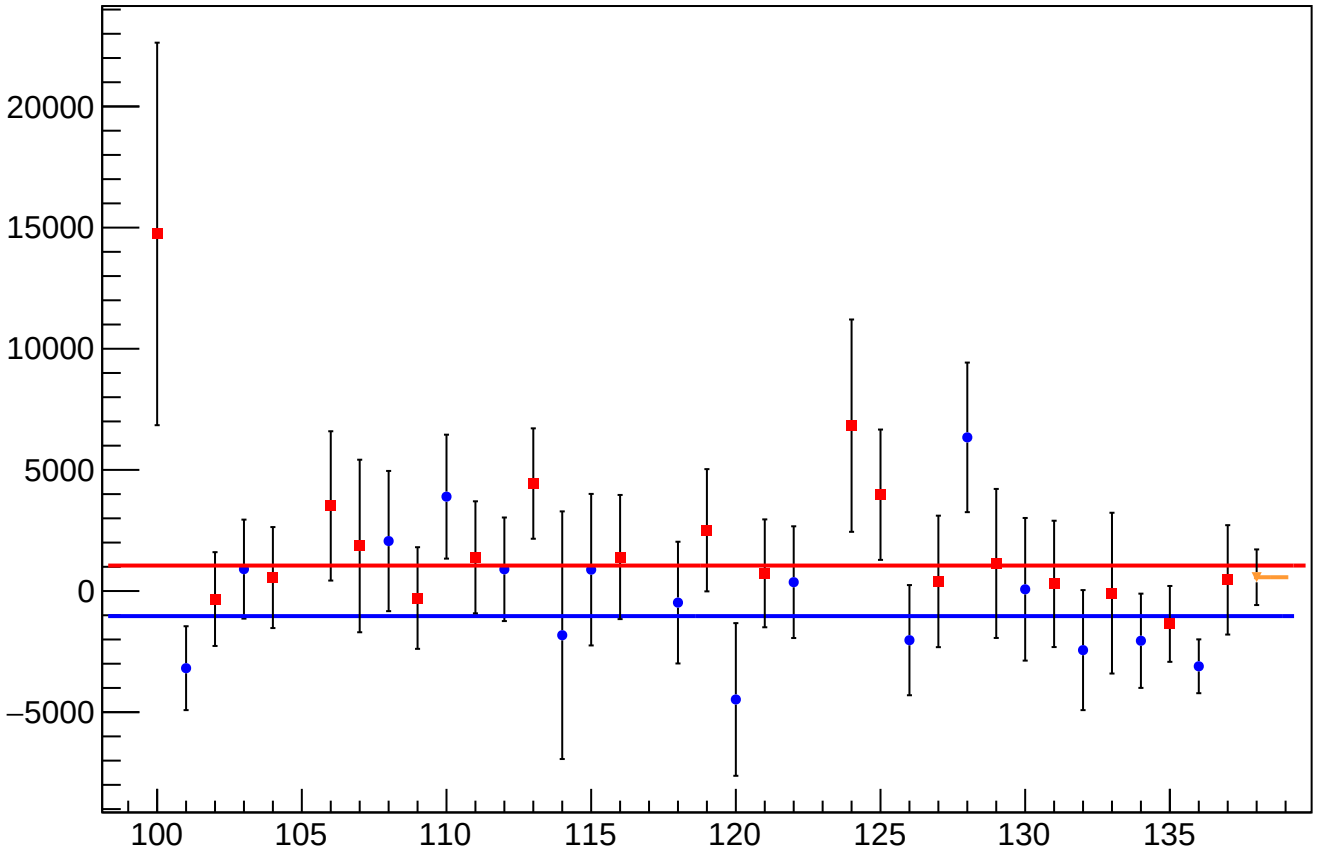
Left: 89.576+/-0.072 χ^2/NDF: 0.0/0

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 90.802+/-0.024 χ^2/NDF:272755.2/15

Out: 91.881+/-0.023 χ^2/NDF:303175.3/19

All: 91.369+/-0.017 χ^2/NDF: 576979.1/35



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: 569.601+/-1148.203 χ^2/NDF:0.0/0

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

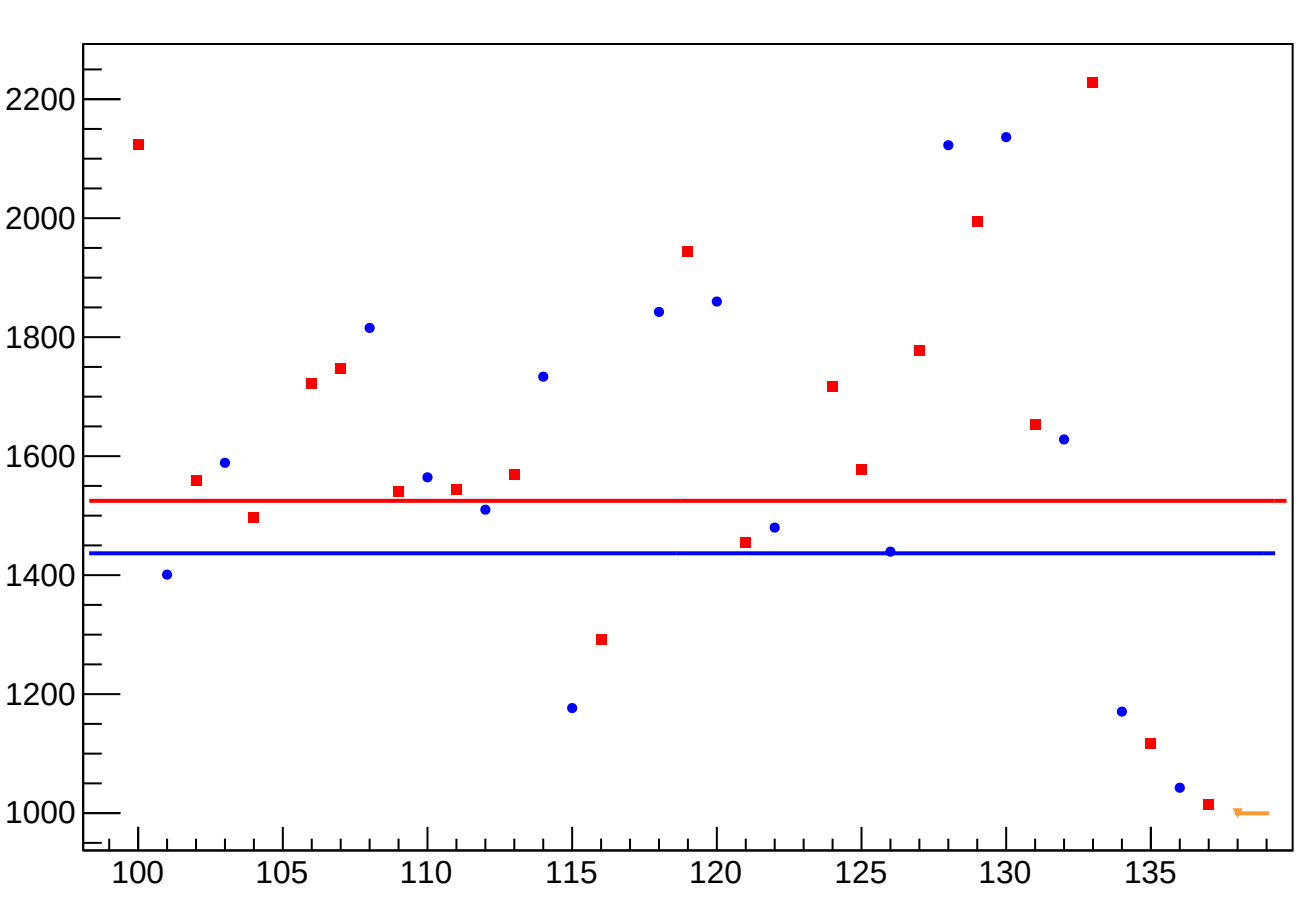
Left: 569.601+/-1148.203 χ^2/NDF: 0.0/0

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -1035.032+/-550.207 χ^2/NDF:20.2/15

Out: 956.520+/-509.785 χ^2/NDF:13.0/19

All: 36.580+/-373.947 χ^2/NDF: 40.3/35



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 999.686+/-0.812 χ^2/NDF:0.0/0

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

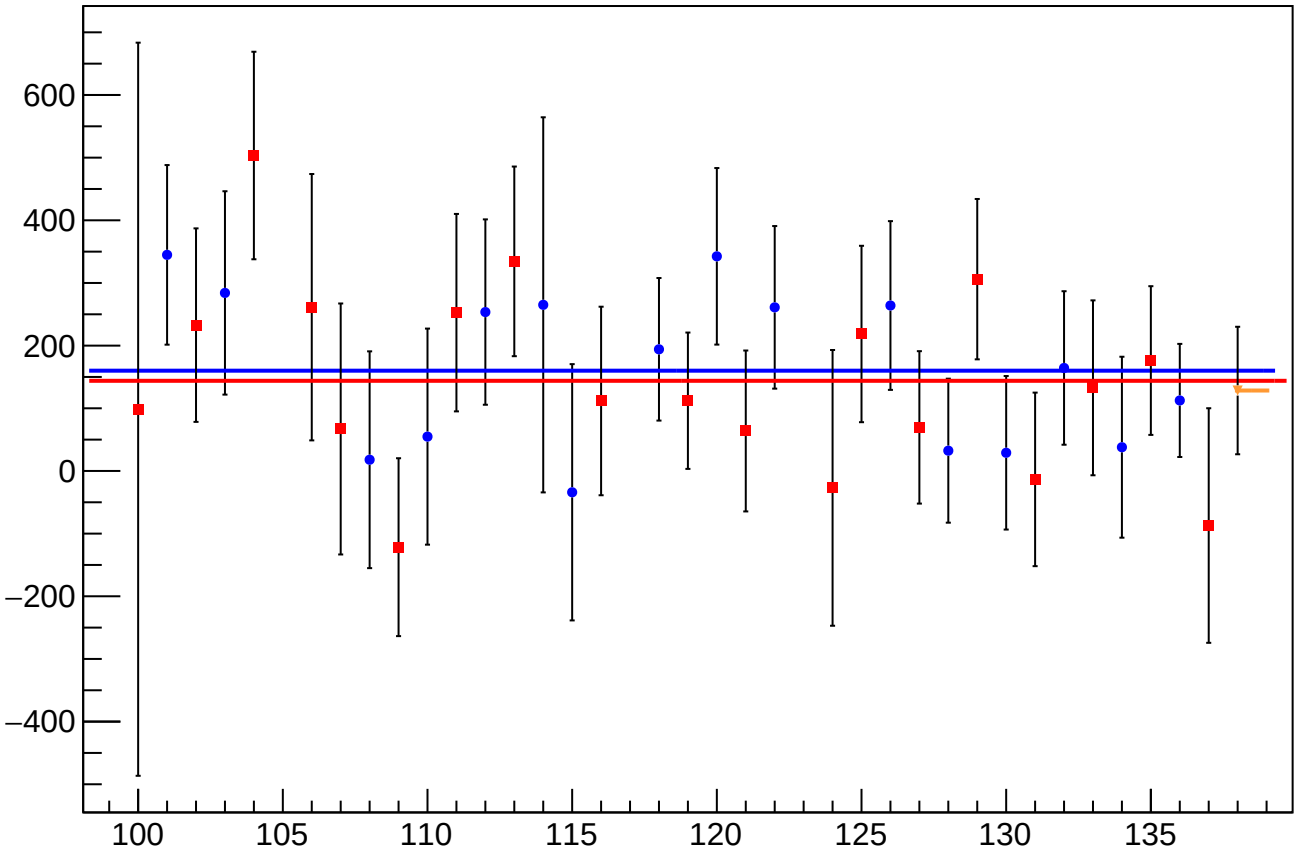
Left: 999.686+/-0.812 χ^2/NDF: 0.0/0

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1436.734+/-0.389 χ^2/NDF:675672.3/15

Out: 1421.413+/-0.360 χ^2/NDF:840615.9/19

All: 1428.490+/-0.264 χ^2/NDF: 1517122.7/35



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 128.356+/-101.731 χ^2/NDF:0.0/0

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

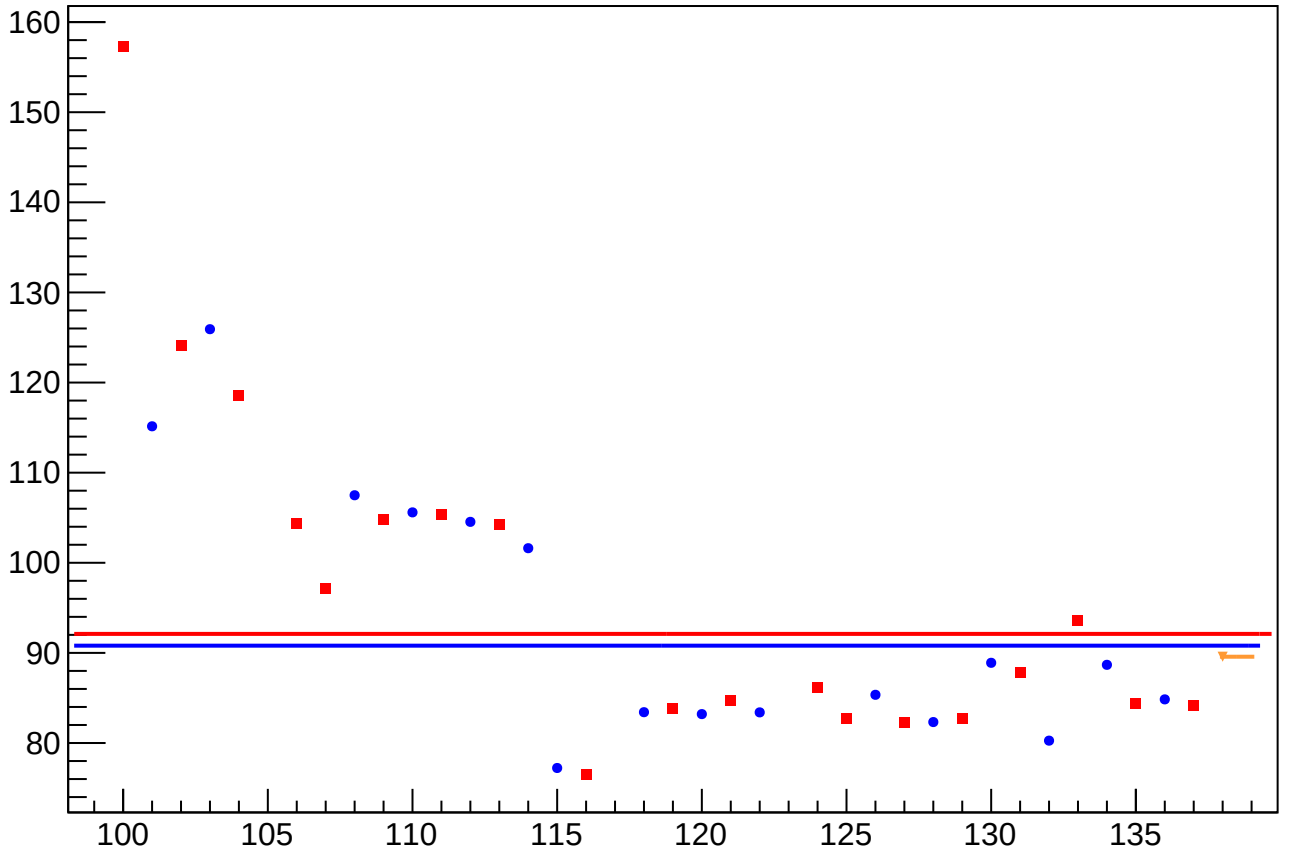
Left: 128.356+/-101.731 χ^2/NDF: 0.0/0

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 160.020+/-34.170 χ^2/NDF:11.1/15

Out: 142.286+/-32.430 χ^2/NDF:17.4/19

All: 150.690+/-23.523 χ^2/NDF: 28.6/35



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 89.576+/-0.072 χ^2/NDF:0.0/0

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

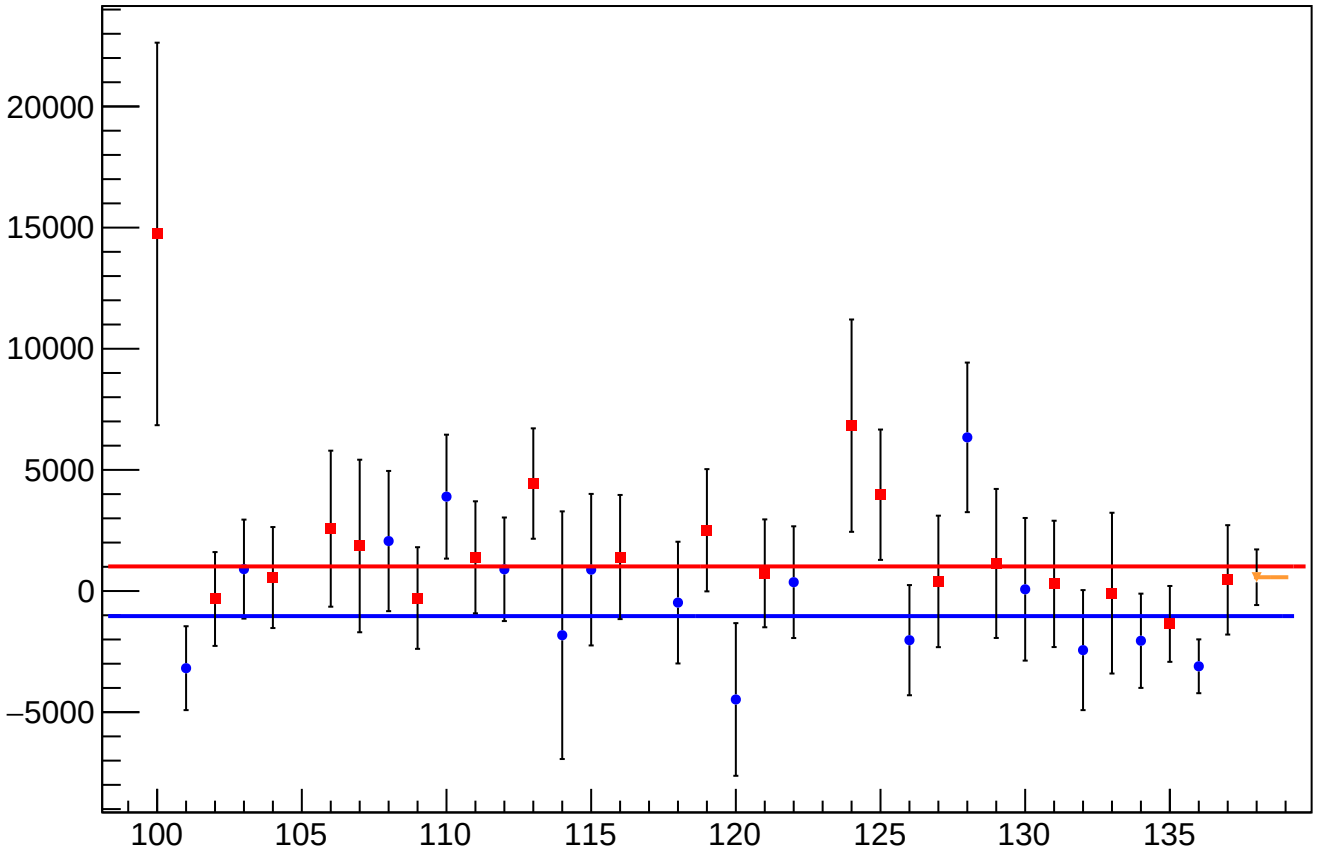
Left: 89.576+/-0.072 χ^2/NDF: 0.0/0

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 90.802+/-0.024 χ^2/NDF:272757.0/15

Out: 91.851+/-0.023 χ^2/NDF:301881.6/19

All: 91.354+/-0.017 χ^2/NDF: 575630.1/35



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: 569.595+/-1148.204 χ^2/NDF:0.0/0

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

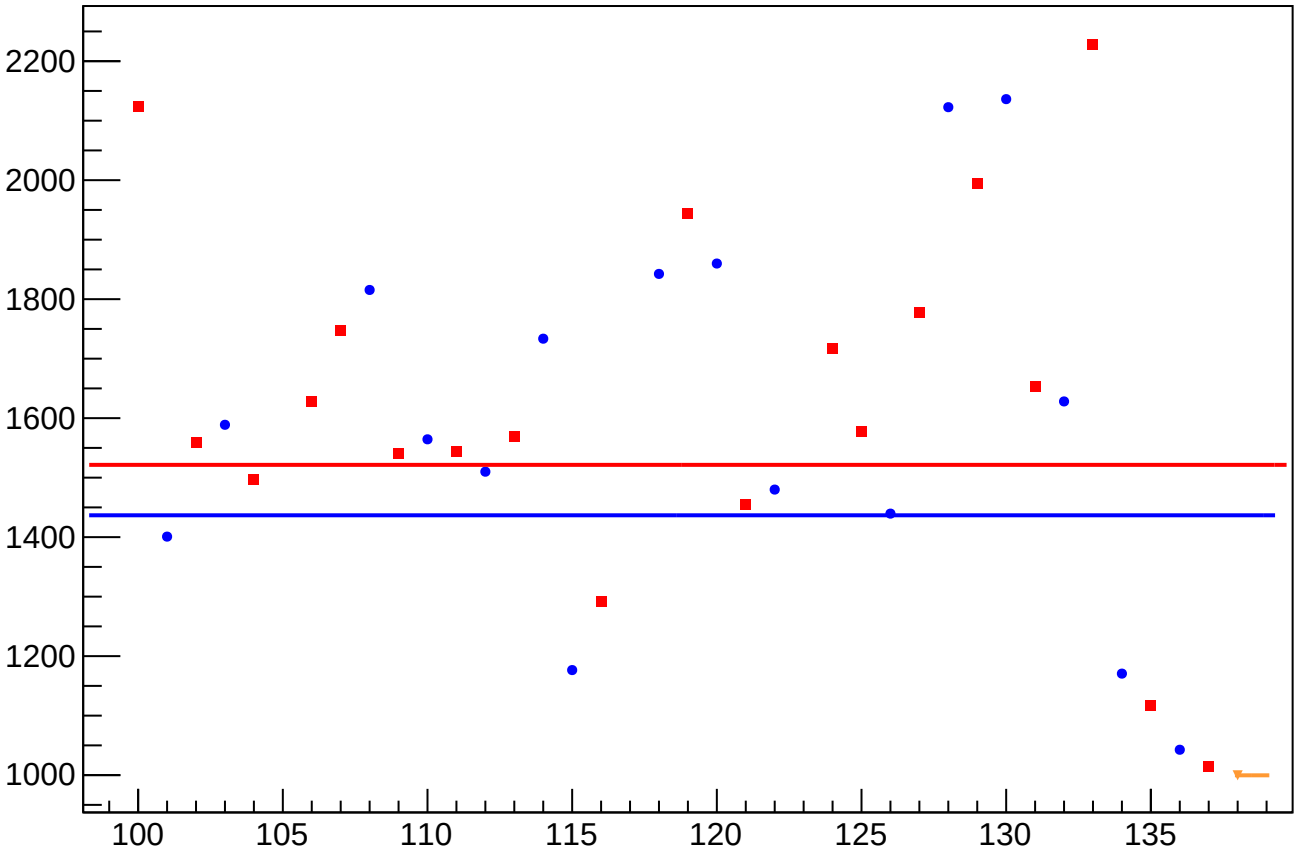
Left: 569.595+/-1148.204 χ^2/NDF: 0.0/0

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -1035.009+/-550.208 χ^2/NDF:20.2/15

Out: 927.303+/-510.388 χ^2/NDF:12.6/19

All: 19.720+/-374.185 χ^2/NDF: 39.7/35



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 999.686+/-0.812 χ^2/NDF:0.0/0

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

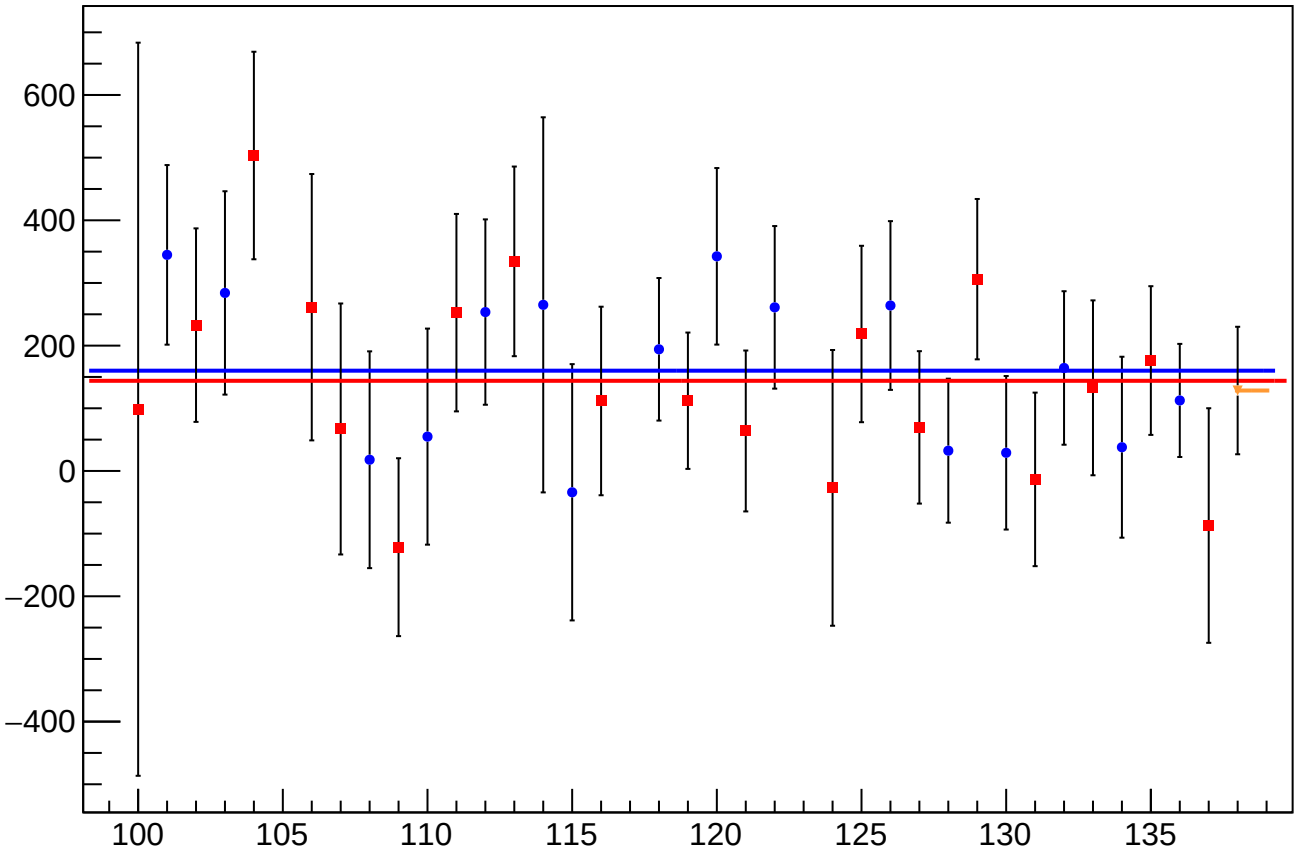
Left: 999.686+/-0.812 χ^2/NDF: 0.0/0

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1436.738+/-0.389 χ^2/NDF:675680.8/15

Out: 1418.392+/-0.361 χ^2/NDF:829810.5/19

All: 1426.877+/-0.265 χ^2/NDF: 1506686.4/35



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 128.356+/-101.731 χ^2/NDF:0.0/0

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

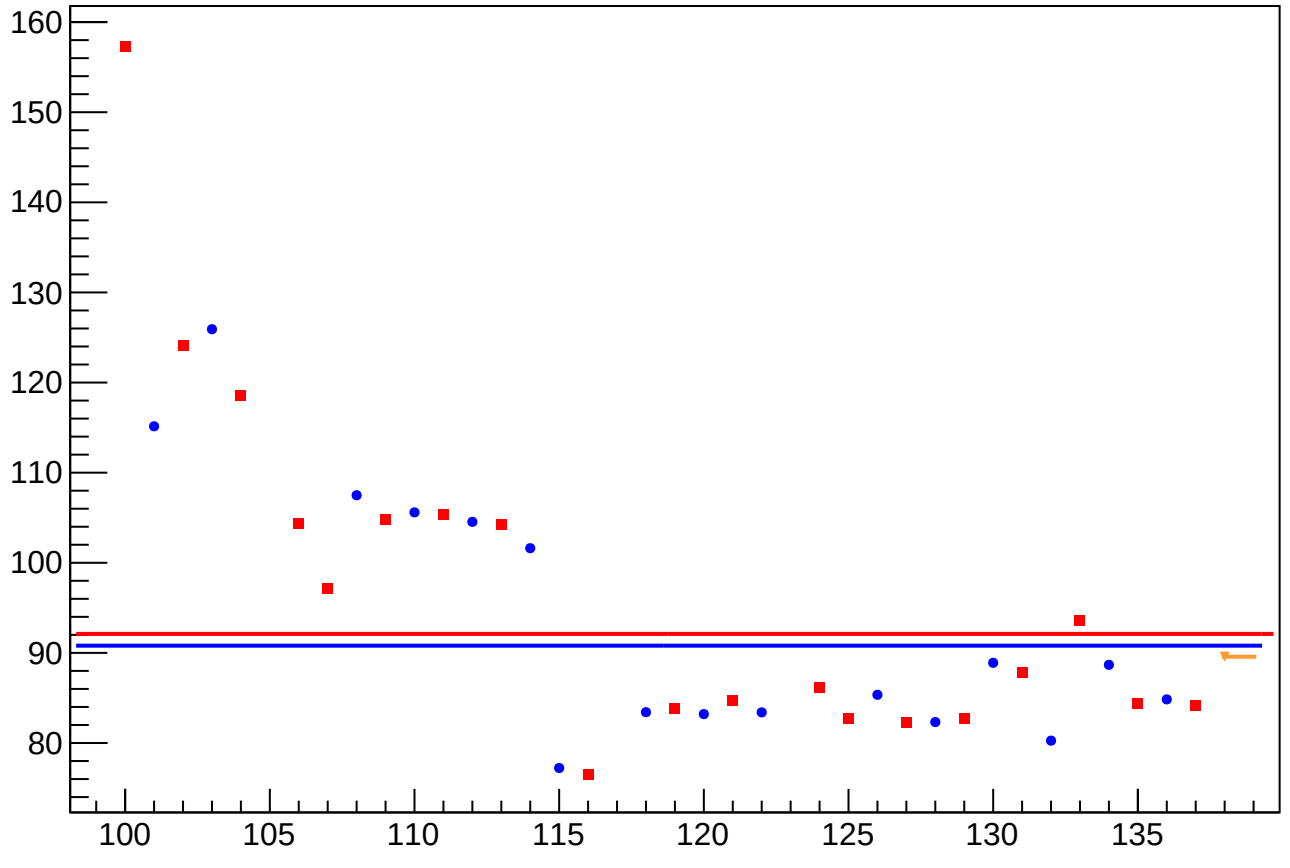
Left: 128.356+/-101.731 χ^2/NDF: 0.0/0

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 160.020+/-34.170 χ^2/NDF:11.1/15

Out: 142.286+/-32.430 χ^2/NDF:17.4/19

All: 150.690+/-23.523 χ^2/NDF: 28.6/35



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 89.576+/-0.072 χ^2/NDF:0.0/0

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

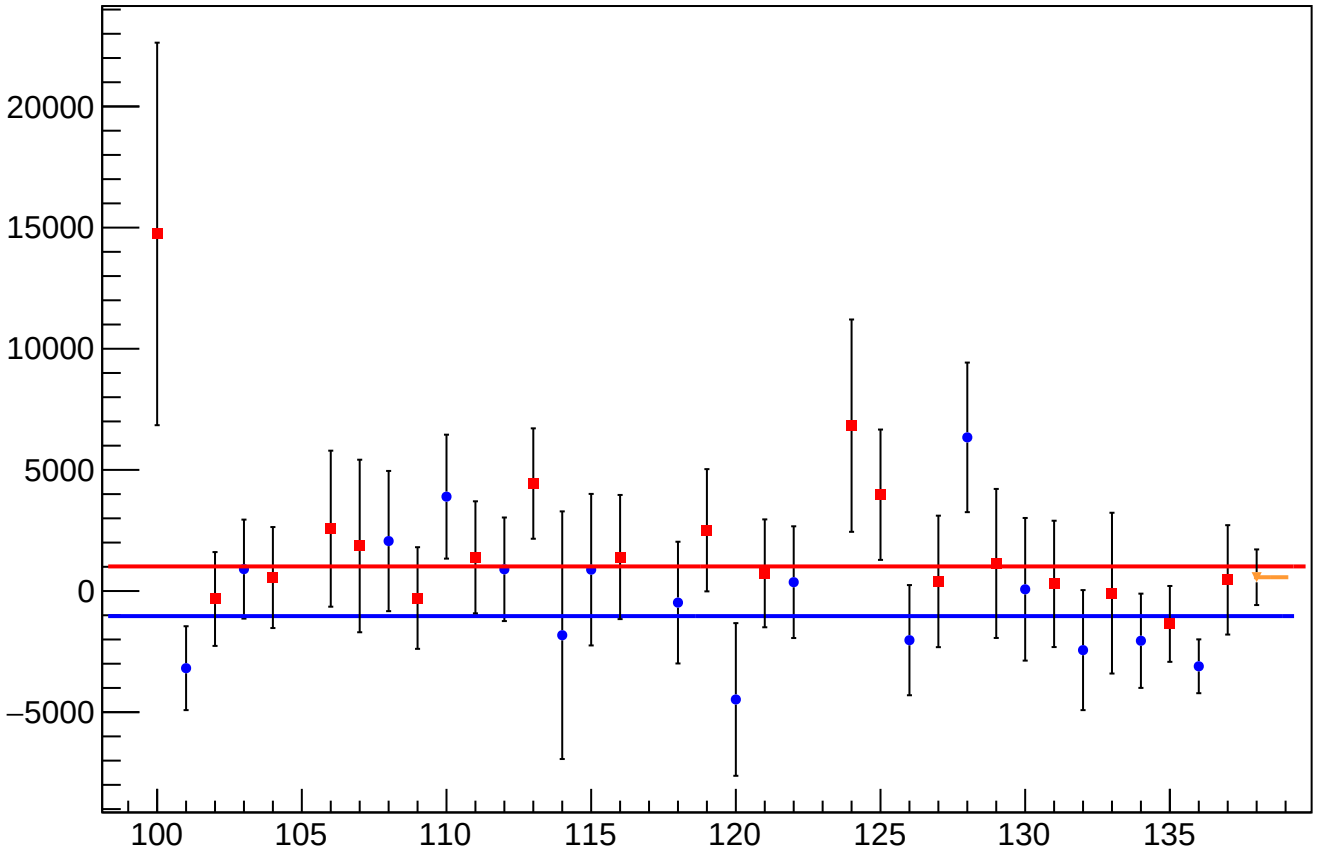
Left: 89.576+/-0.072 χ^2/NDF: 0.0/0

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 90.802+/-0.024 χ^2/NDF:272757.0/15

Out: 91.851+/-0.023 χ^2/NDF:301881.6/19

All: 91.354+/-0.017 χ^2/NDF: 575630.1/35



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: 569.595+/-1148.204 χ^2/NDF:0.0/0

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

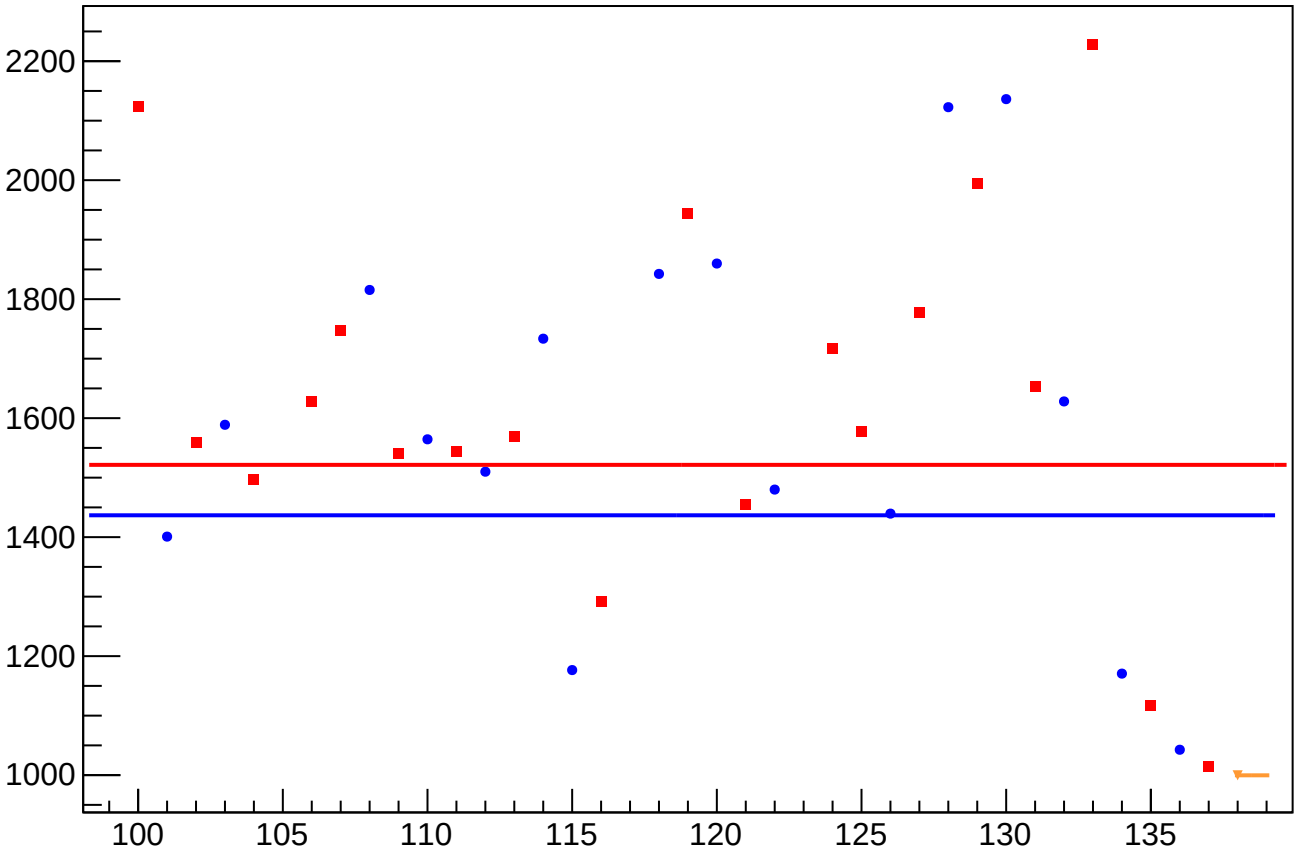
Left: 569.595+/-1148.204 χ^2/NDF: 0.0/0

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -1035.009+/-550.208 χ^2/NDF:20.2/15

Out: 927.303+/-510.388 χ^2/NDF:12.6/19

All: 19.720+/-374.185 χ^2/NDF: 39.7/35



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 999.686+/-0.812 χ^2/NDF:0.0/0

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

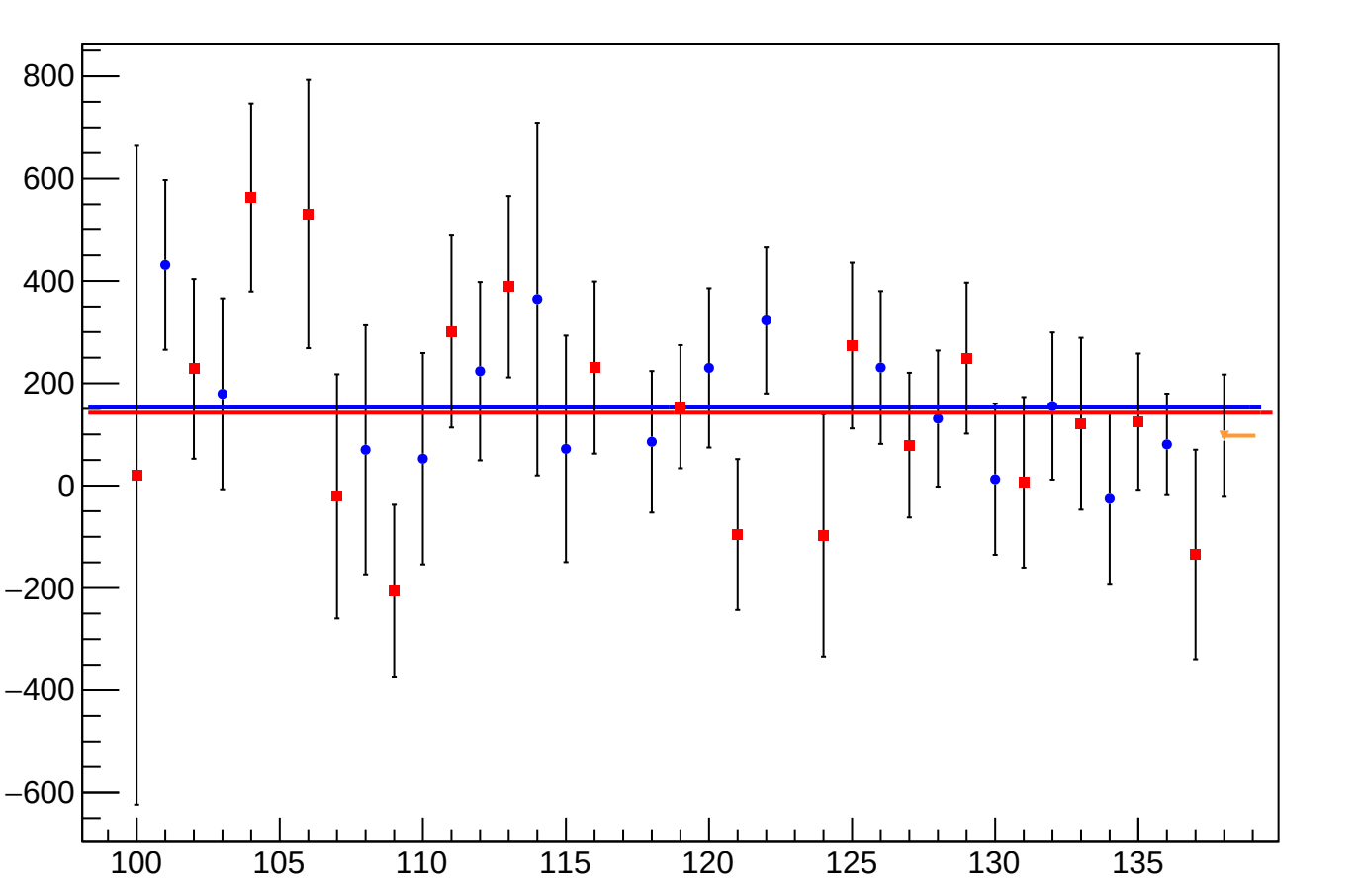
Left: 999.686+/-0.812 χ^2/NDF: 0.0/0

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1436.738+/-0.389 χ^2/NDF:675680.8/15

Out: 1418.392+/-0.361 χ^2/NDF:829810.5/19

All: 1426.877+/-0.265 χ^2/NDF: 1506686.4/35



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 97.601+/-119.528 χ^2/NDF:0.0/0

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

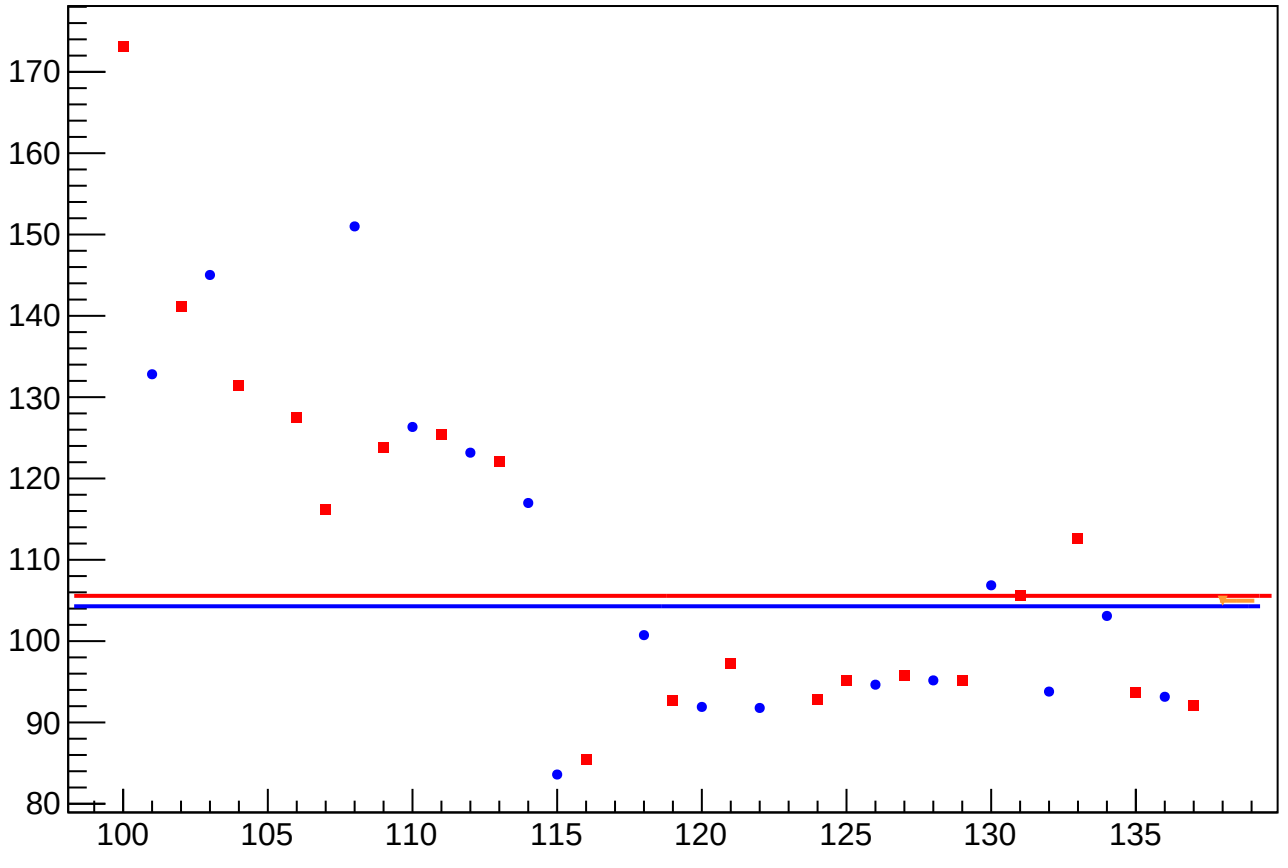
Left: 97.601+/-119.528 χ^2/NDF: 0.0/0

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 152.626+/-39.446 χ^2/NDF:8.6/15

Out: 138.108+/-37.368 χ^2/NDF:23.0/19

All: 144.975+/-27.128 χ^2/NDF: 31.8/35



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 104.970+/-0.085 χ^2/NDF:0.0/0

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 104.970+/-0.085 χ^2/NDF: 0.0/0

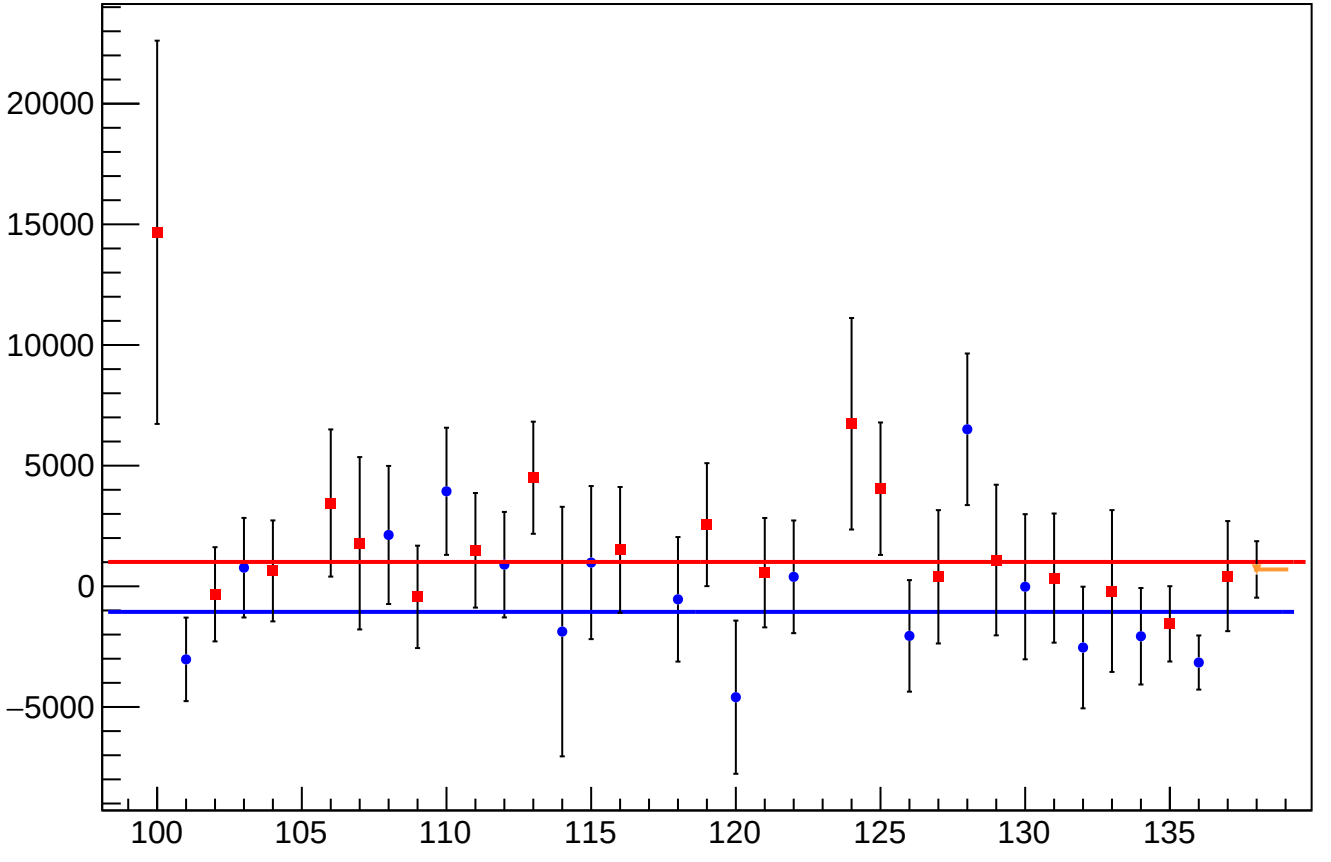
Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 104.286+/-0.028 χ^2/NDF:378310.9/15

Out: 105.510+/-0.026 χ^2/NDF:344651.2/19

All: 104.931+/-0.019 χ^2/NDF: 723976.1/35

asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: 699.542+/-1170.086 χ^2/NDF:0.0/0

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

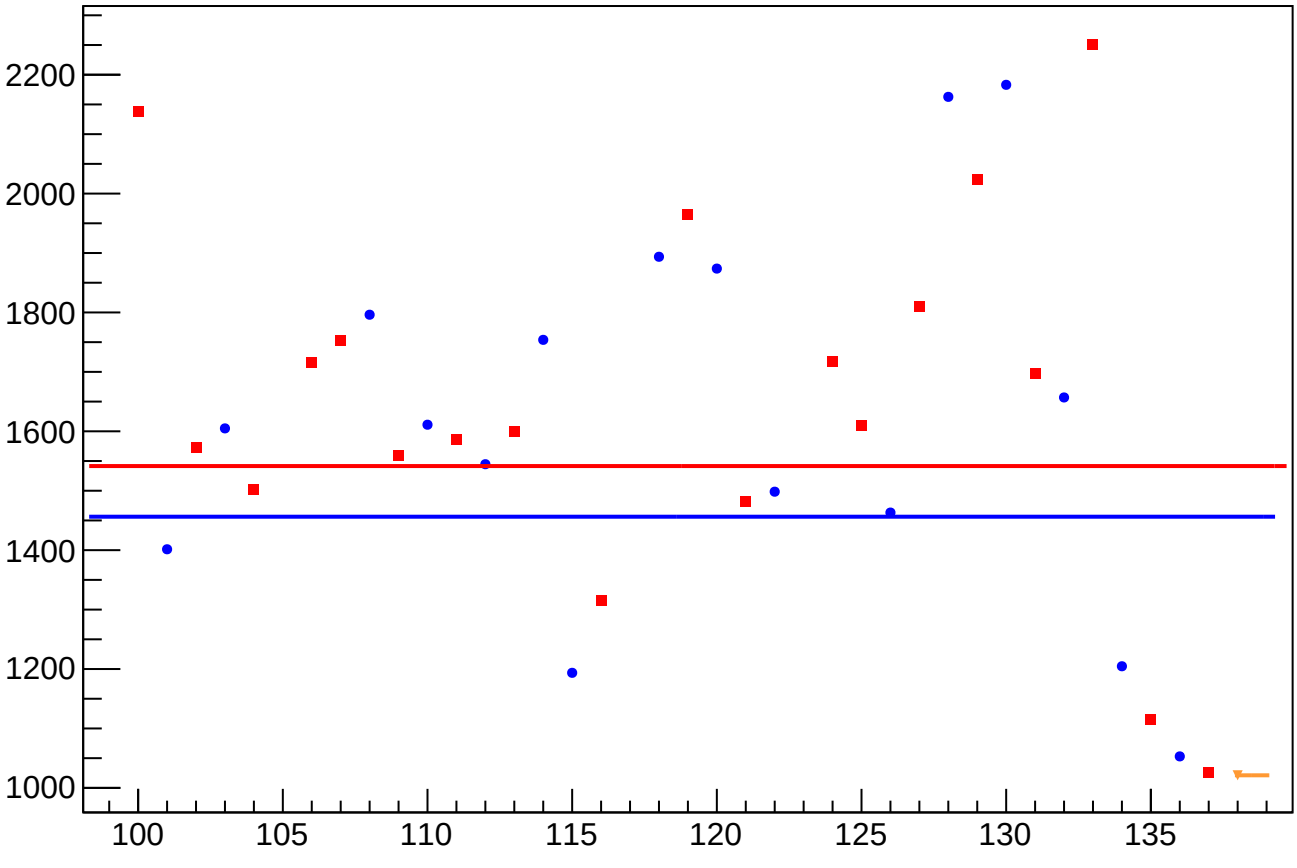
Left: 699.542+/-1170.086 χ^2/NDF: 0.0/0

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -1059.357+/-557.645 χ^2/NDF:20.0/15

Out: 949.519+/-516.127 χ^2/NDF:13.4/19

All: 22.638+/-378.785 χ^2/NDF: 40.4/35



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 1021.165+/-0.827 χ^2/NDF:0.0/0

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

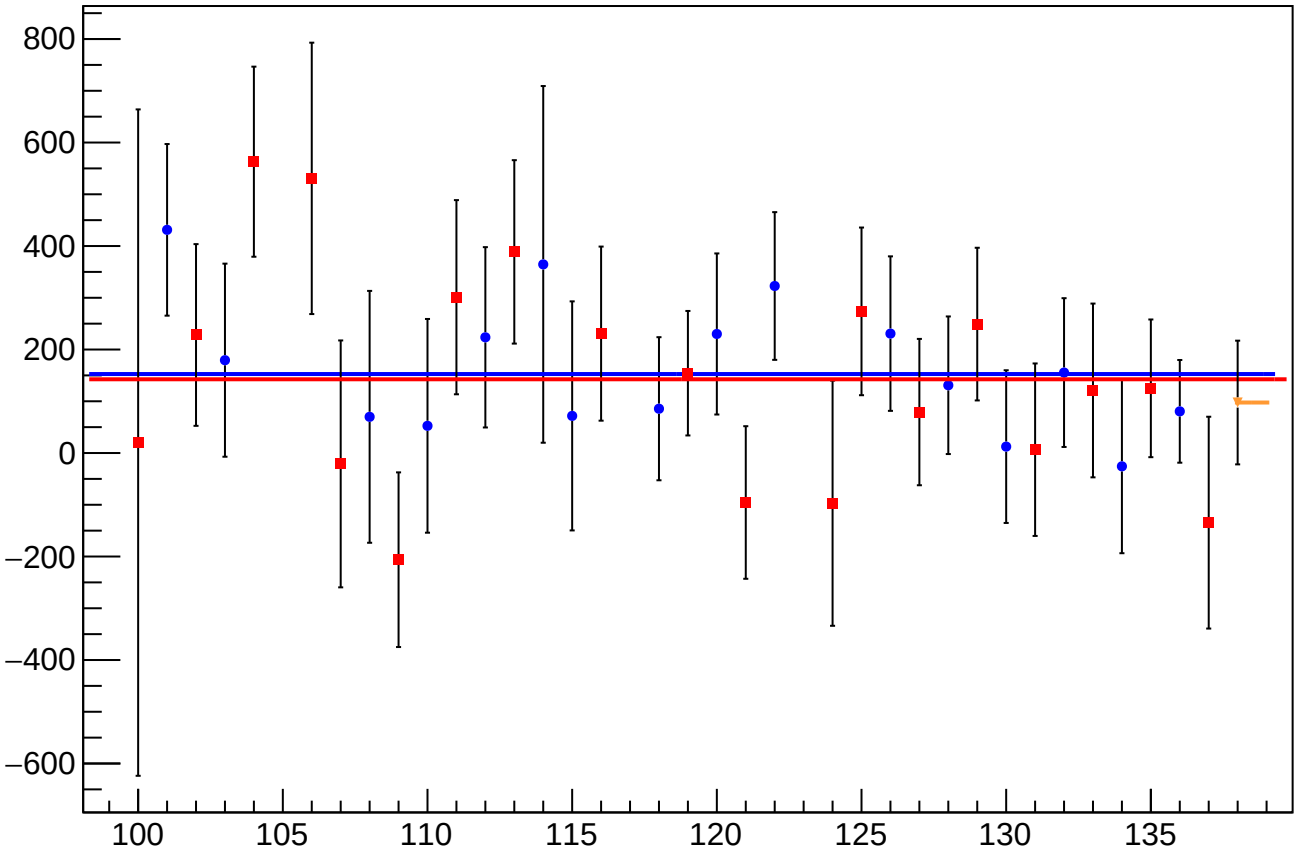
Left: 1021.165+/-0.827 χ^2/NDF: 0.0/0

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1456.303+/-0.394 χ^2/NDF:684806.5/15

Out: 1440.276+/-0.365 χ^2/NDF:837922.2/19

All: 1447.671+/-0.268 χ^2/NDF: 1523618.5/35



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 97.592+/-119.528 χ^2/NDF:0.0/0

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

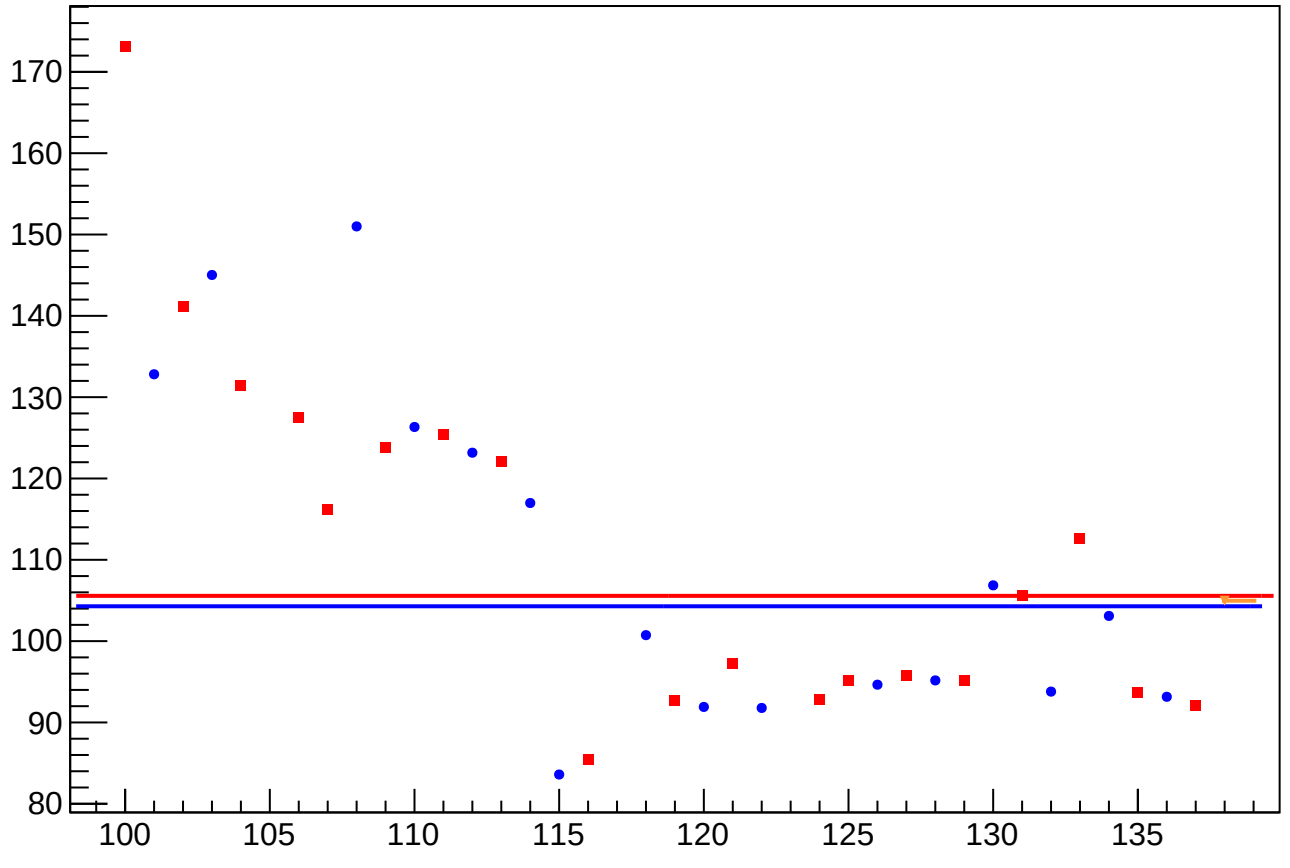
Left: 97.592+/-119.528 χ^2/NDF: 0.0/0

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 152.628+/-39.446 χ^2/NDF:8.6/15

Out: 138.105+/-37.368 χ^2/NDF:23.0/19

All: 144.974+/-27.128 χ^2/NDF: 31.8/35



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 104.969+/-0.085 χ^2/NDF:0.0/0

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

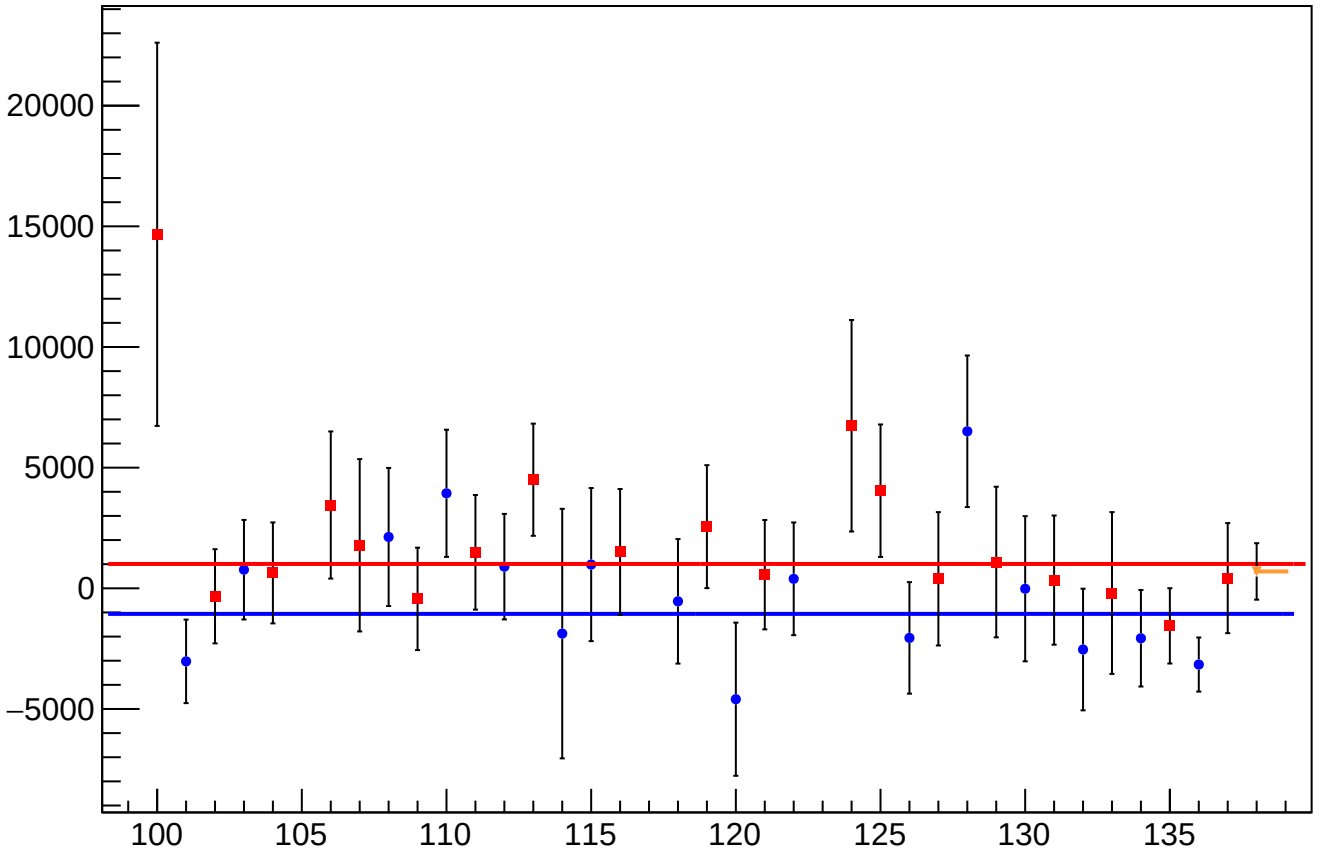
Left: 104.969+/-0.085 χ^2/NDF: 0.0/0

Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 104.285+/-0.028 χ^2/NDF:378313.2/15

Out: 105.509+/-0.026 χ^2/NDF:344650.4/19

All: 104.930+/-0.019 χ^2/NDF: 723978.2/35



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: 699.533+/-1170.081 χ^2/NDF:0.0/0

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

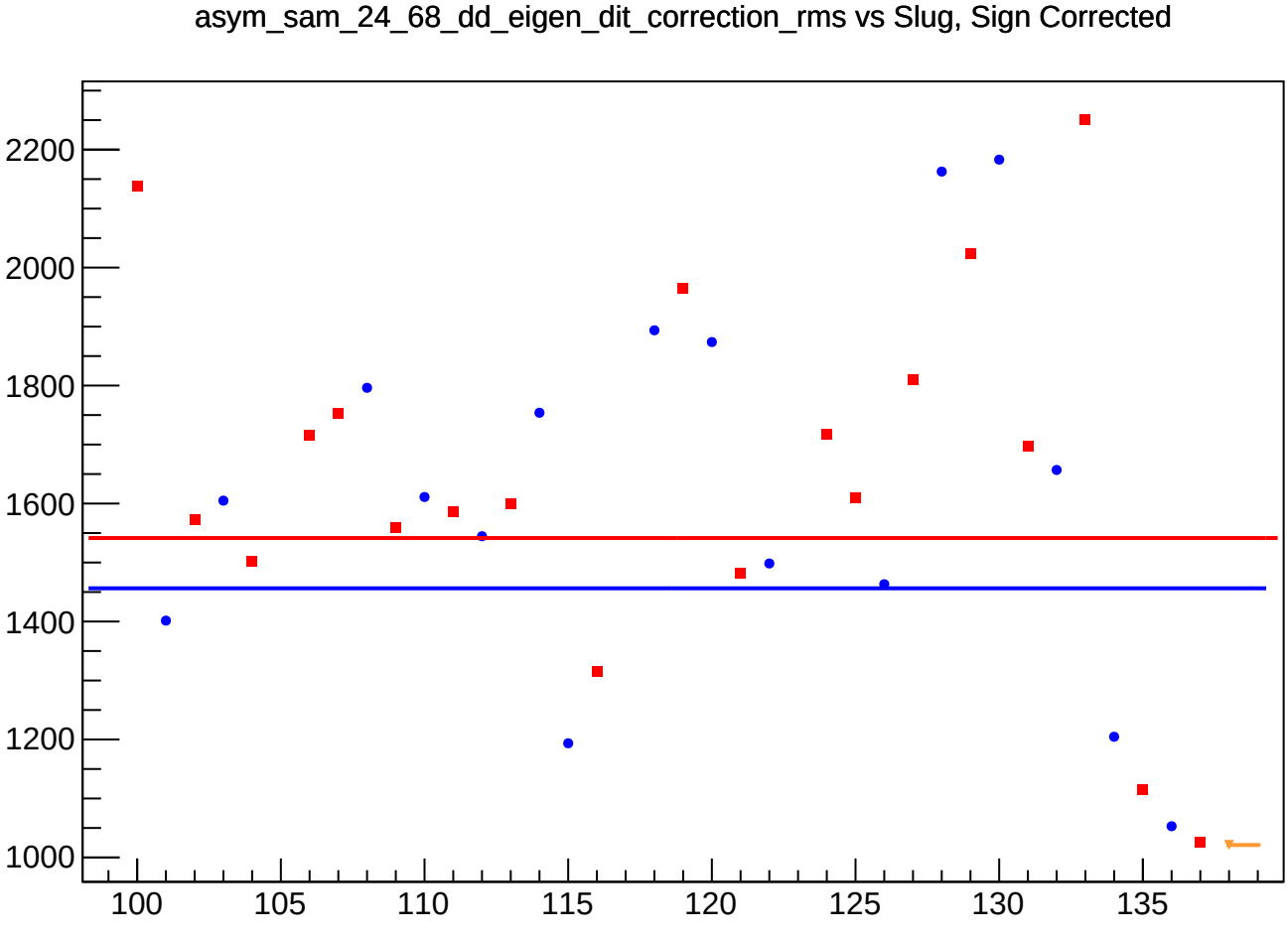
Left: 699.533+/-1170.081 χ^2/NDF: 0.0/0

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -1059.353+/-557.644 χ^2/NDF:20.0/15

Out: 949.517+/-516.126 χ^2/NDF:13.4/19

All: 22.639+/-378.784 χ^2/NDF: 40.4/35



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 1021.161+/-0.827 χ^2/NDF:0.0/0

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

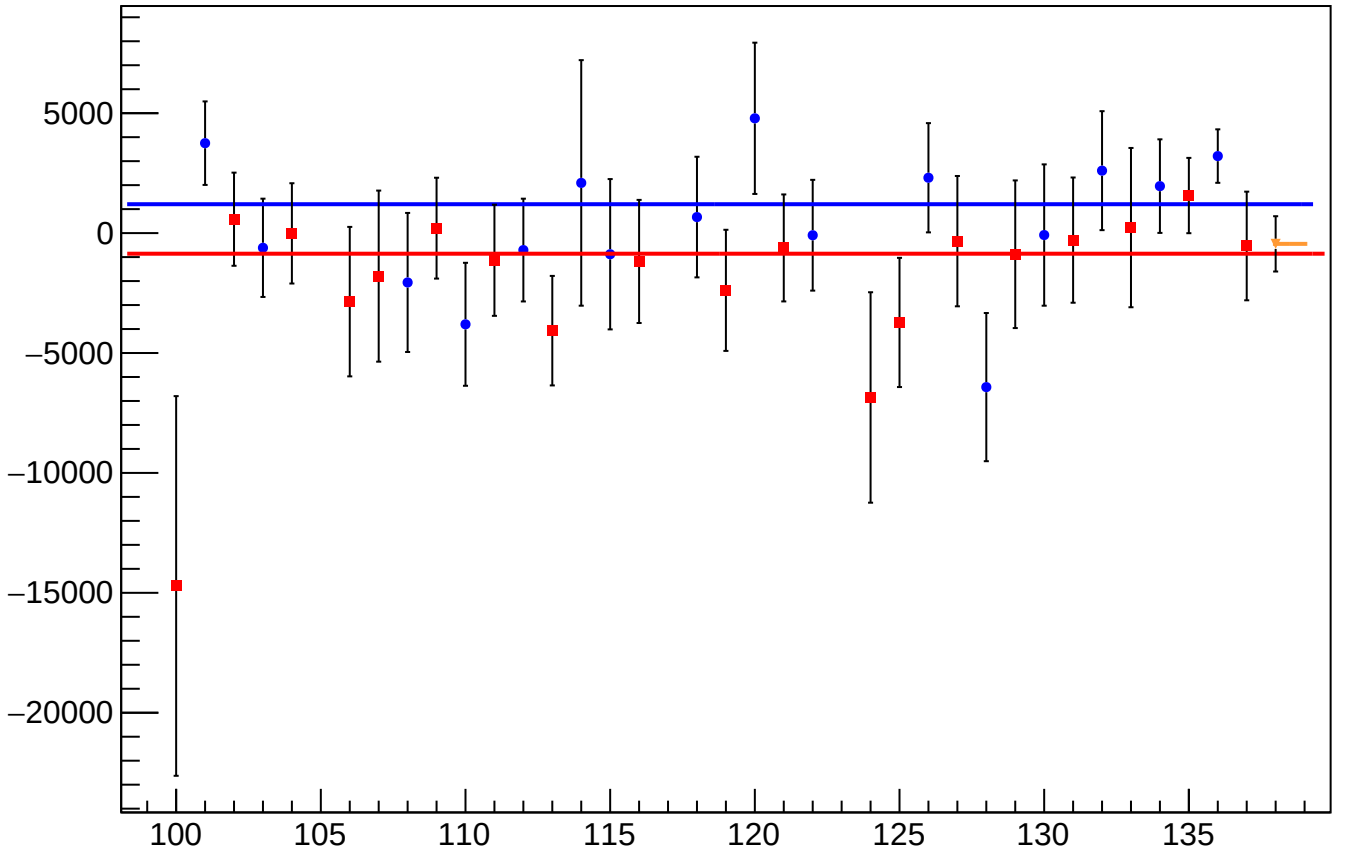
Left: 1021.161+/-0.827 χ^2/NDF: 0.0/0

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1456.301+/-0.394 χ^2/NDF:684803.6/15

Out: 1440.272+/-0.365 χ^2/NDF:837925.6/19

All: 1447.668+/-0.268 χ^2/NDF: 1523619.1/35



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: -448.923+/-1153.036 χ^2/NDF:0.0/0

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

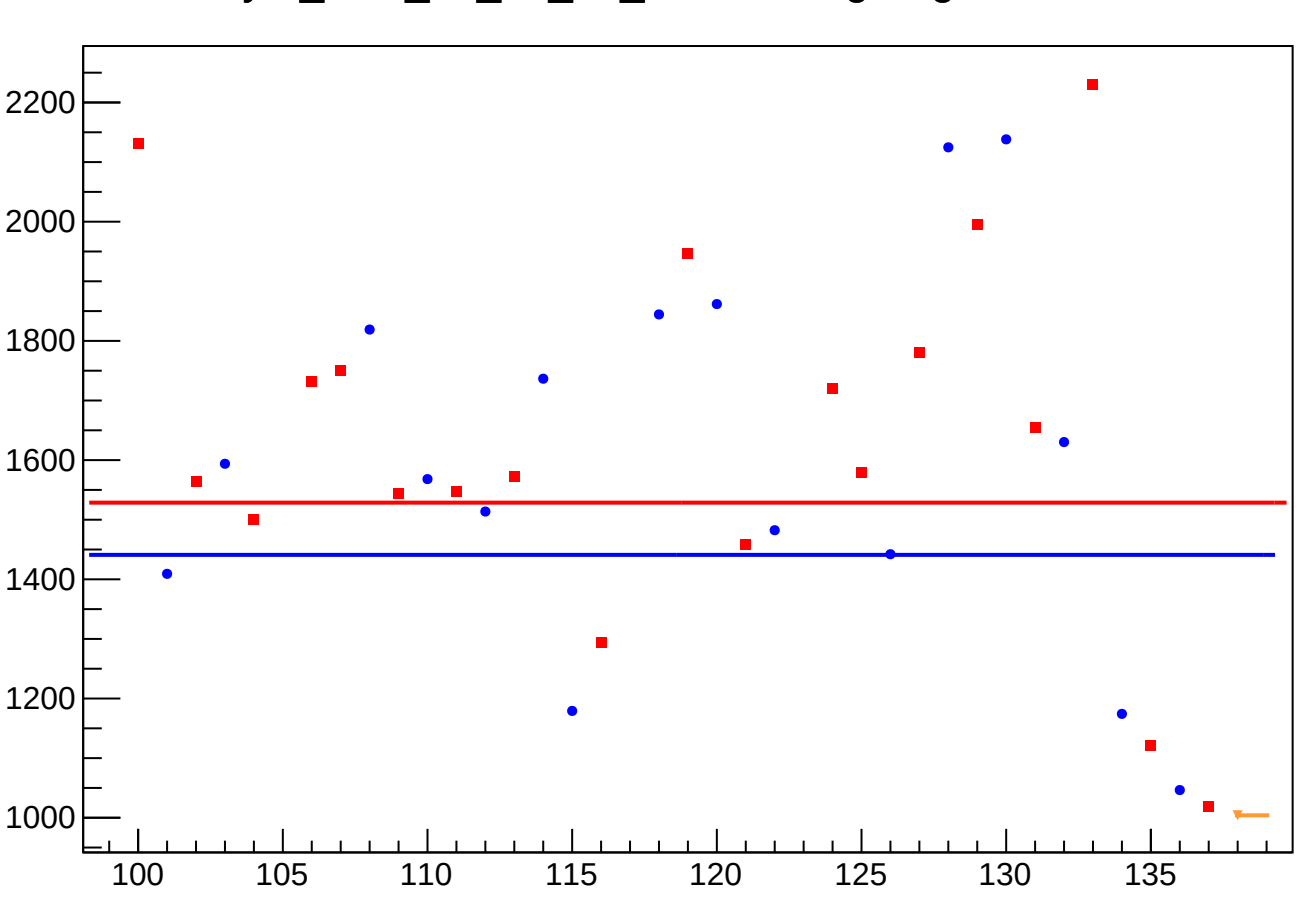
Left: -448.923+/-1153.036 χ^2/NDF: 0.0/0

Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 1204.691+/-551.729 χ^2/NDF:21.1/15

Out: -778.611+/-511.255 χ^2/NDF:12.6/19

All: 137.636+/-375.005 χ^2/NDF: 40.7/35



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 1004.069+/-0.815 χ^2/NDF:0.0/0

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

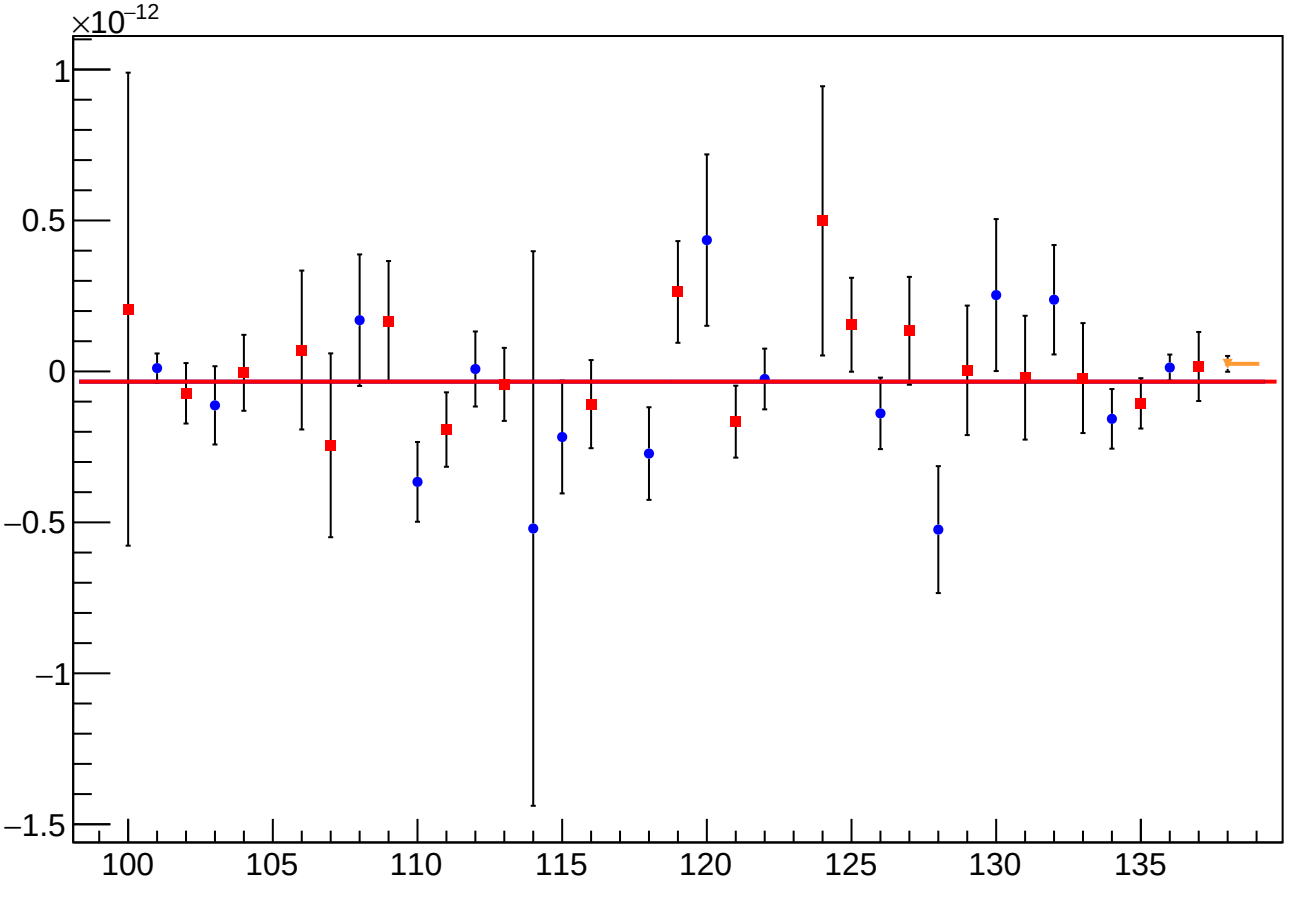
Left: 1004.069+/-0.815 χ^2/NDF: 0.0/0

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1441.025+/-0.390 χ^2/NDF:670674.6/15

Out: 1425.517+/-0.362 χ^2/NDF:834303.1/19

All: 1432.681+/-0.265 χ^2/NDF: 1505827.8/35



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

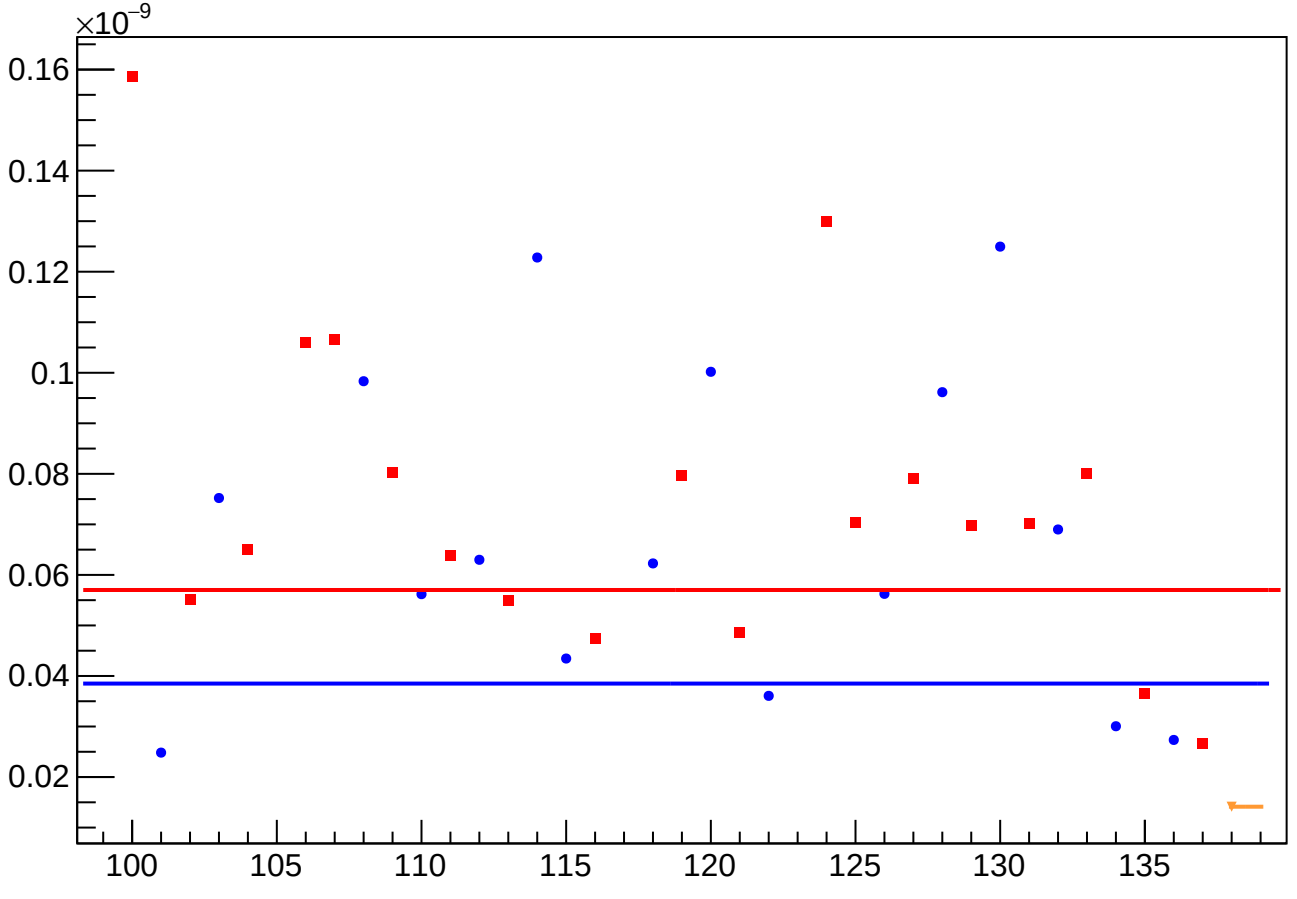
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:27.4/15

Out: 0.000+/-0.000 χ^2/NDF:14.9/19

All: -0.000+/-0.000 χ^2/NDF: 43.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

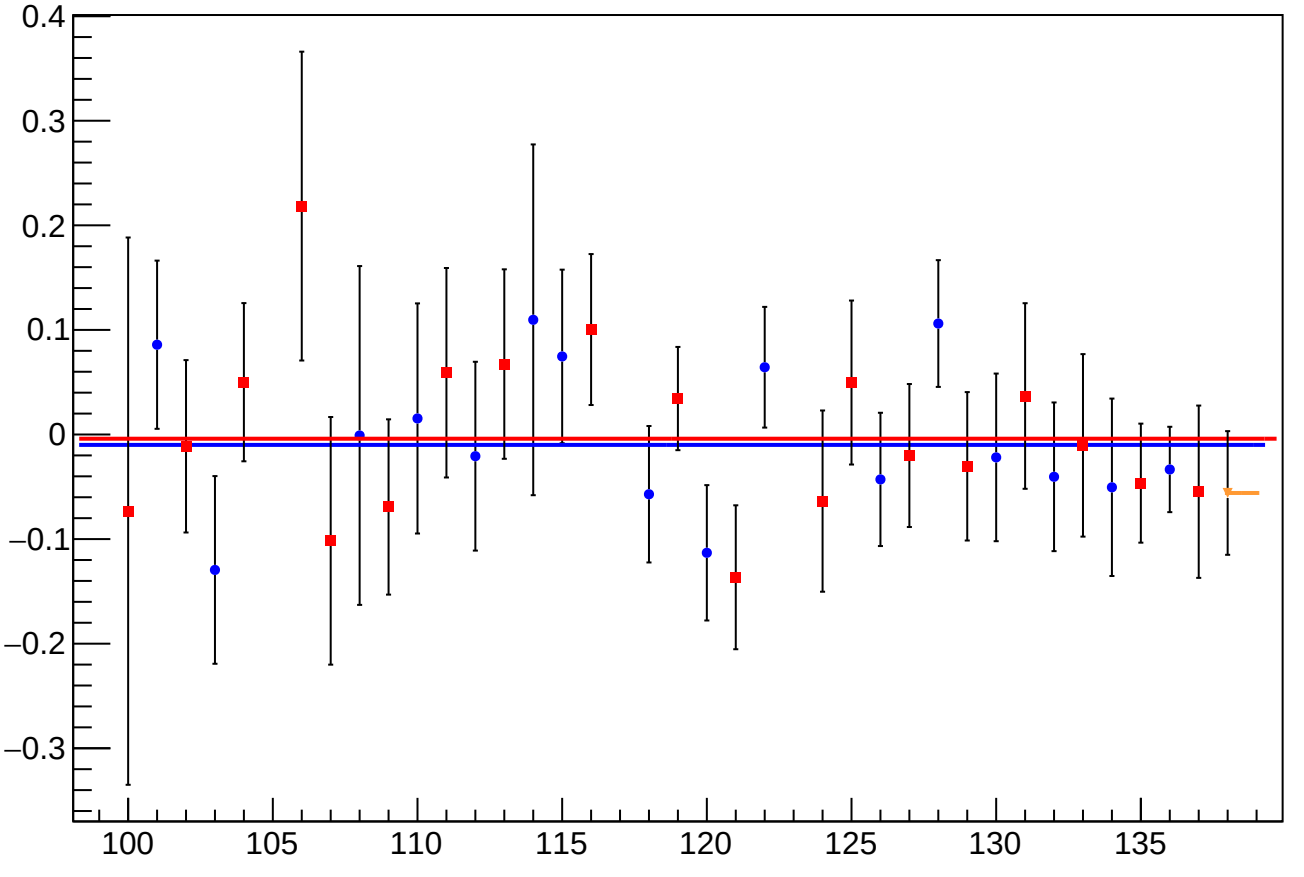
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:1382311.2/15

Out: 0.000+/-0.000 χ^2/NDF:2673229.5/19

All: 0.000+/-0.000 χ^2/NDF: 4185345.2/35

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: -0.056+/-0.059 χ^2/NDF:0.0/0

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

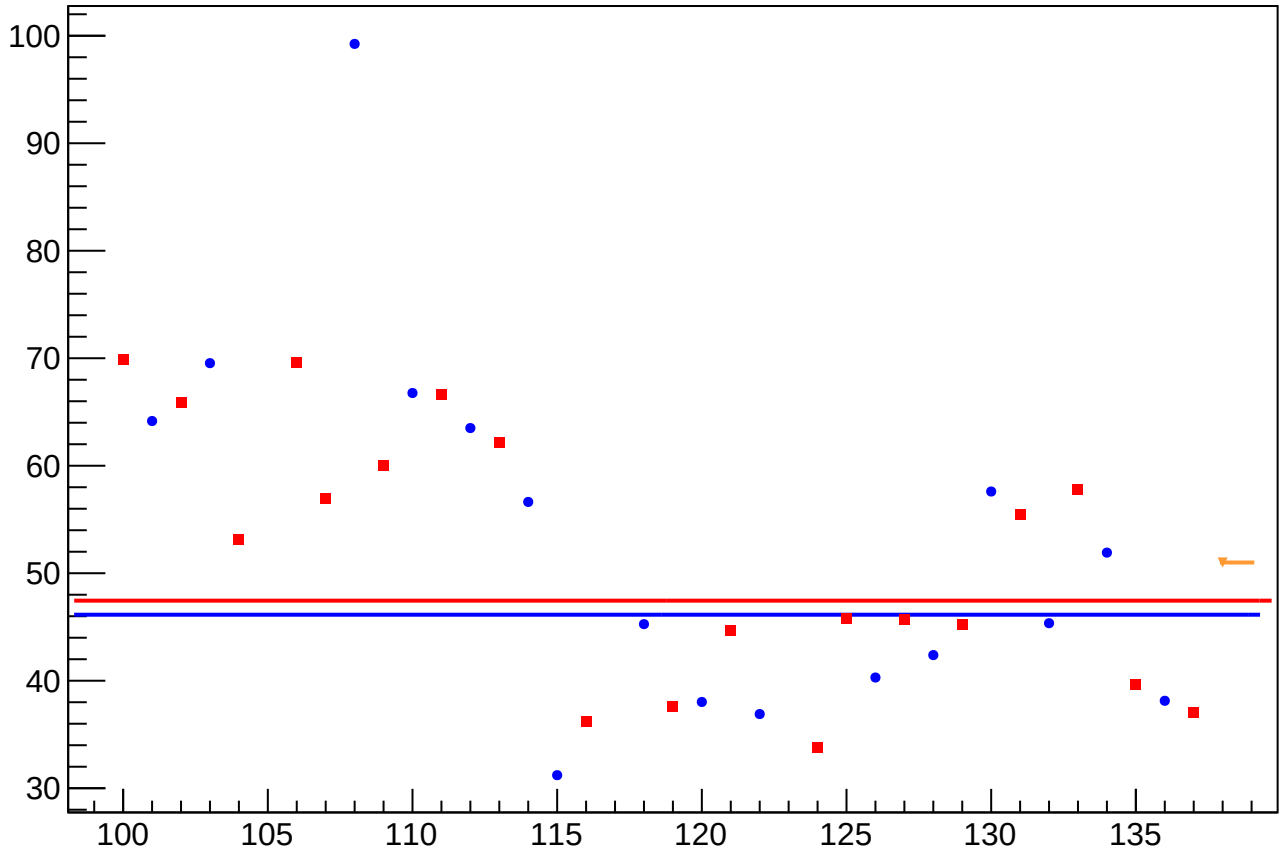
Left: -0.056+/-0.059 χ^2/NDF: 0.0/0

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.010+/-0.018 χ^2/NDF:14.2/15

Out: -0.008+/-0.017 χ^2/NDF:14.6/19

All: -0.009+/-0.012 χ^2/NDF: 28.8/35



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 50.998+/-0.042 χ^2/NDF:0.0/0

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

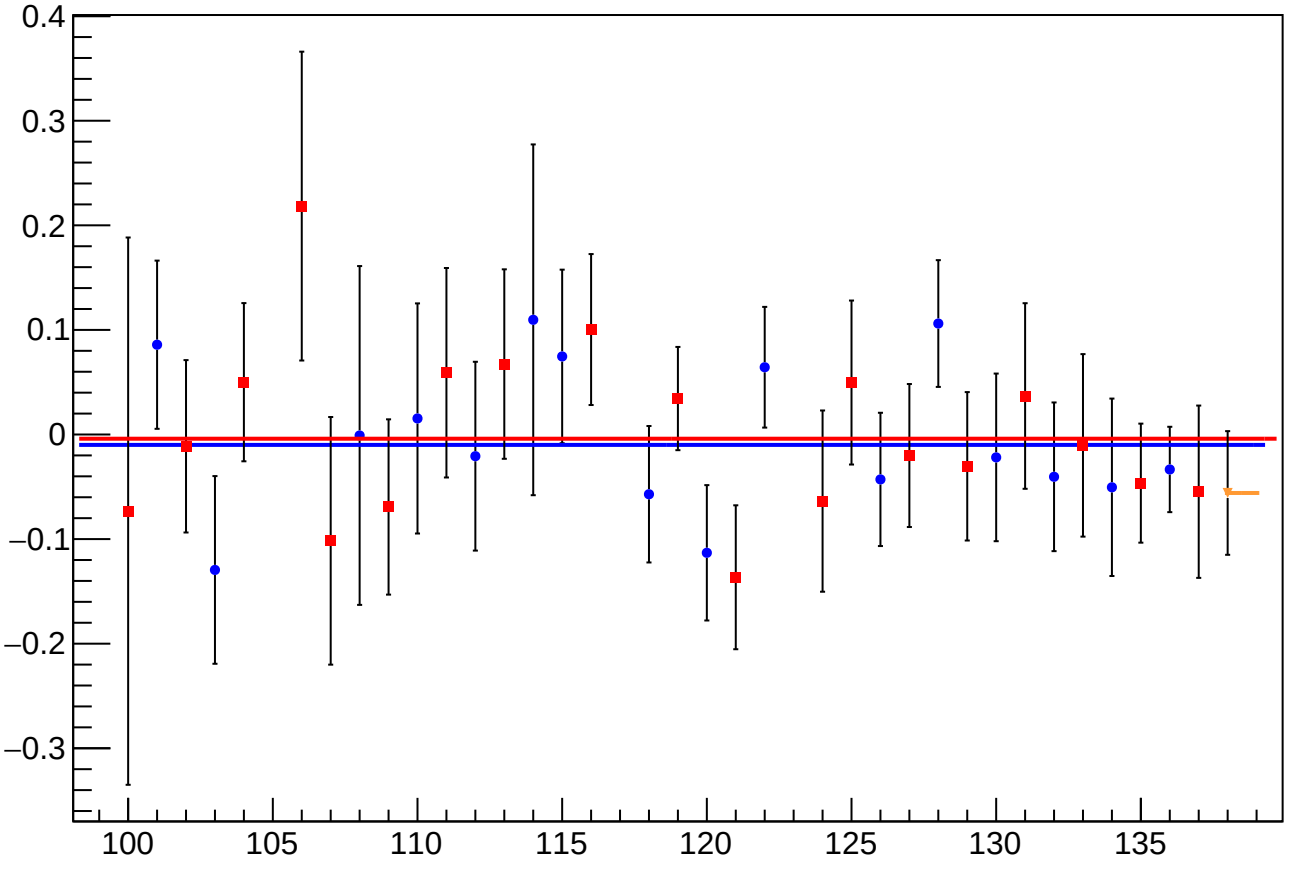
Left: 50.998+/-0.042 χ^2/NDF: 0.0/0

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 46.141+/-0.013 χ^2/NDF:903280.2/15

Out: 47.754+/-0.012 χ^2/NDF:661278.9/19

All: 46.979+/-0.009 χ^2/NDF: 1572901.1/35



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.056+/-0.059 χ^2/NDF:0.0/0

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

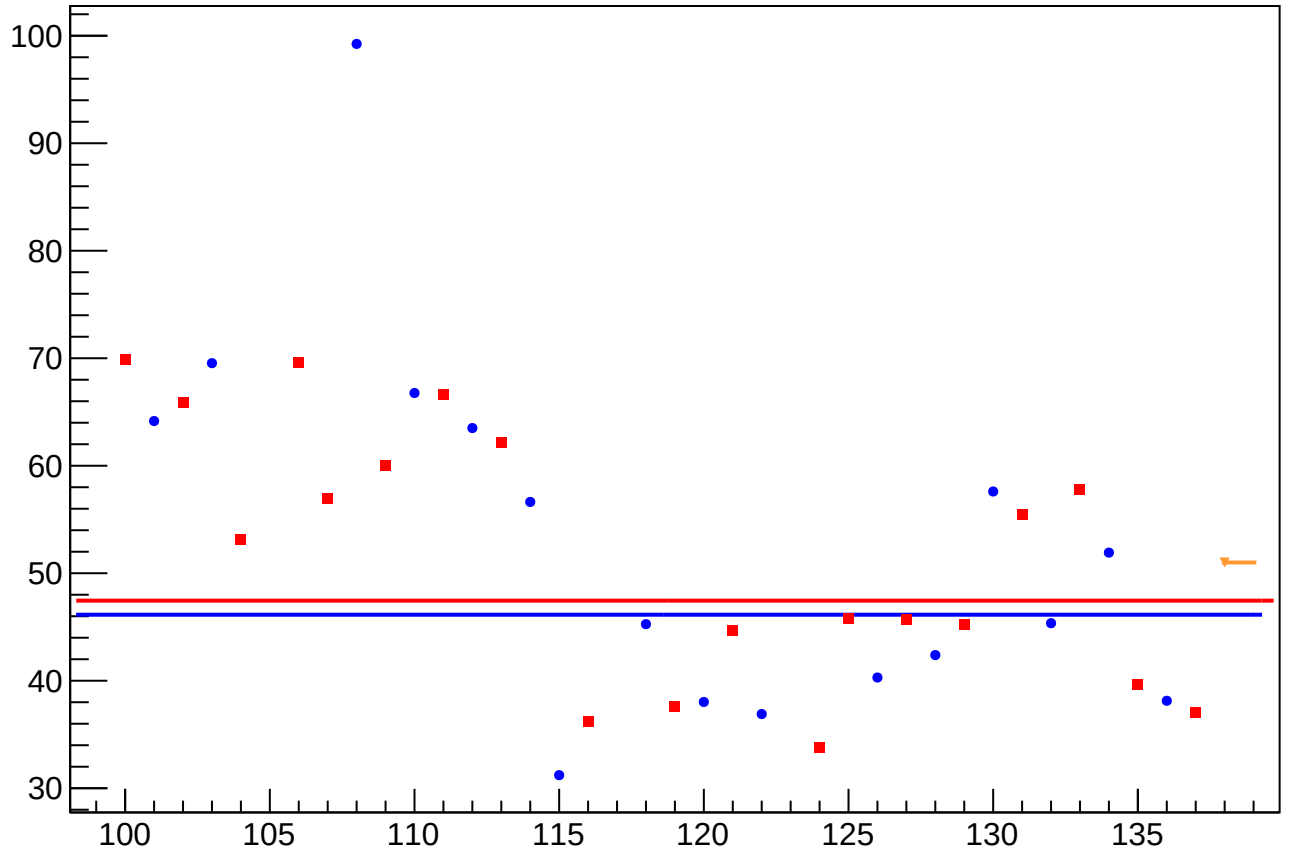
Left: -0.056+/-0.059 χ^2/NDF: 0.0/0

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.010+/-0.018 χ^2/NDF:14.2/15

Out: -0.008+/-0.017 χ^2/NDF:14.6/19

All: -0.009+/-0.012 χ^2/NDF: 28.8/35



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 50.998+/-0.042 χ^2/NDF:0.0/0

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

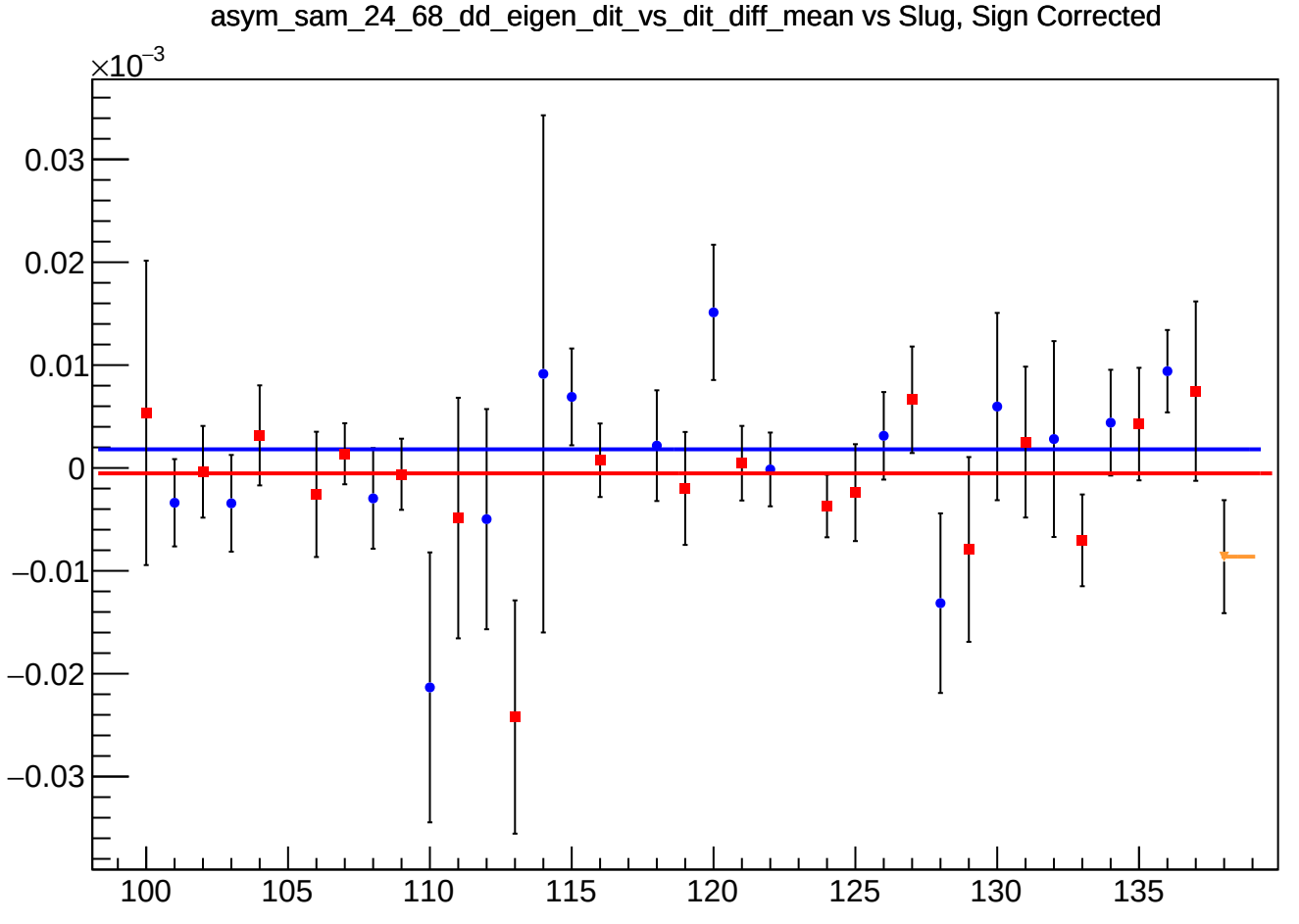
Left: 50.998+/-0.042 χ^2/NDF: 0.0/0

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 46.141+/-0.013 χ^2/NDF:903280.2/15

Out: 47.754+/-0.012 χ^2/NDF:661278.9/19

All: 46.979+/-0.009 χ^2/NDF: 1572901.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

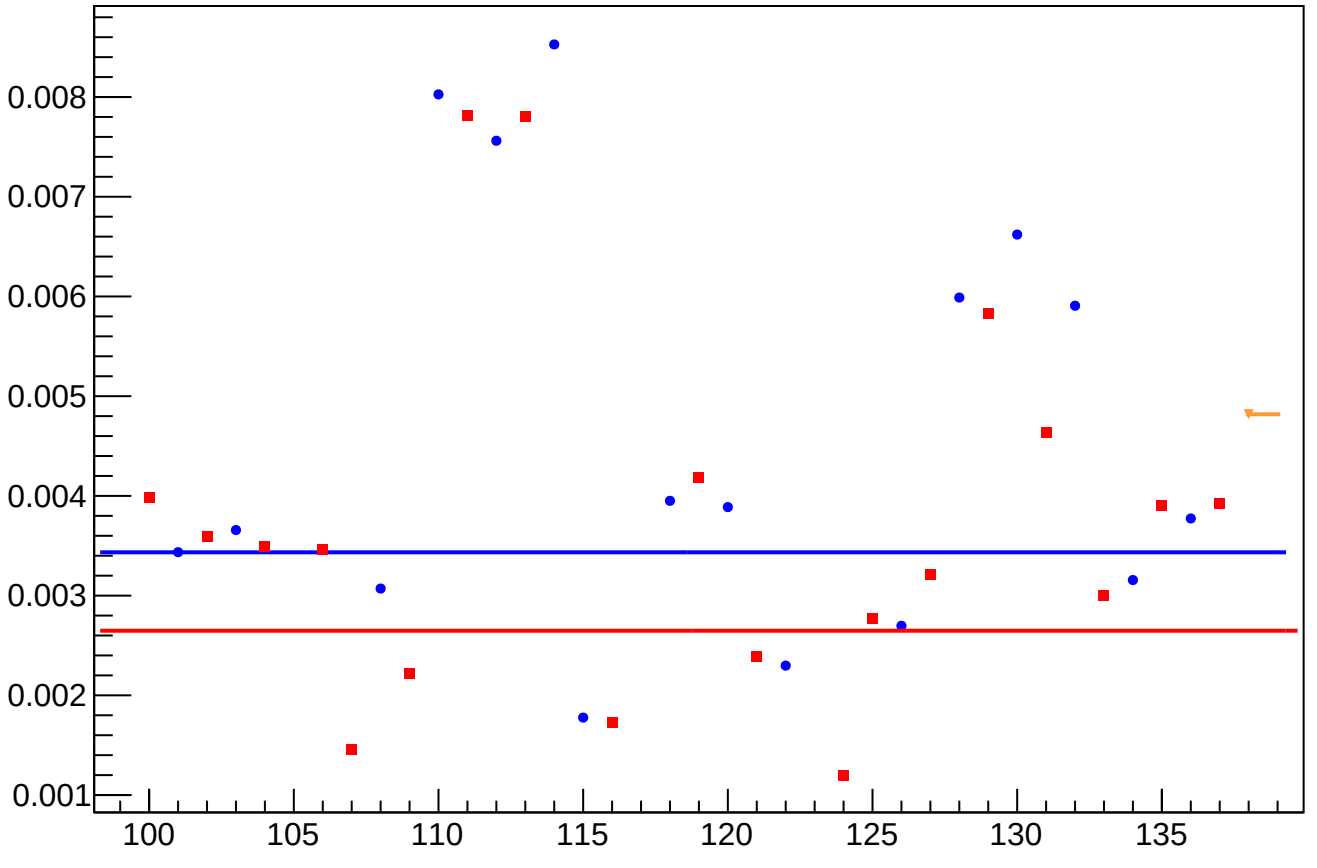
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:20.0/15

Out: -0.000+/-0.000 χ^2/NDF:15.9/19

All: 0.000+/-0.000 χ^2/NDF: 38.2/35



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.005+/-0.000 χ^2/NDF: 0.0/0

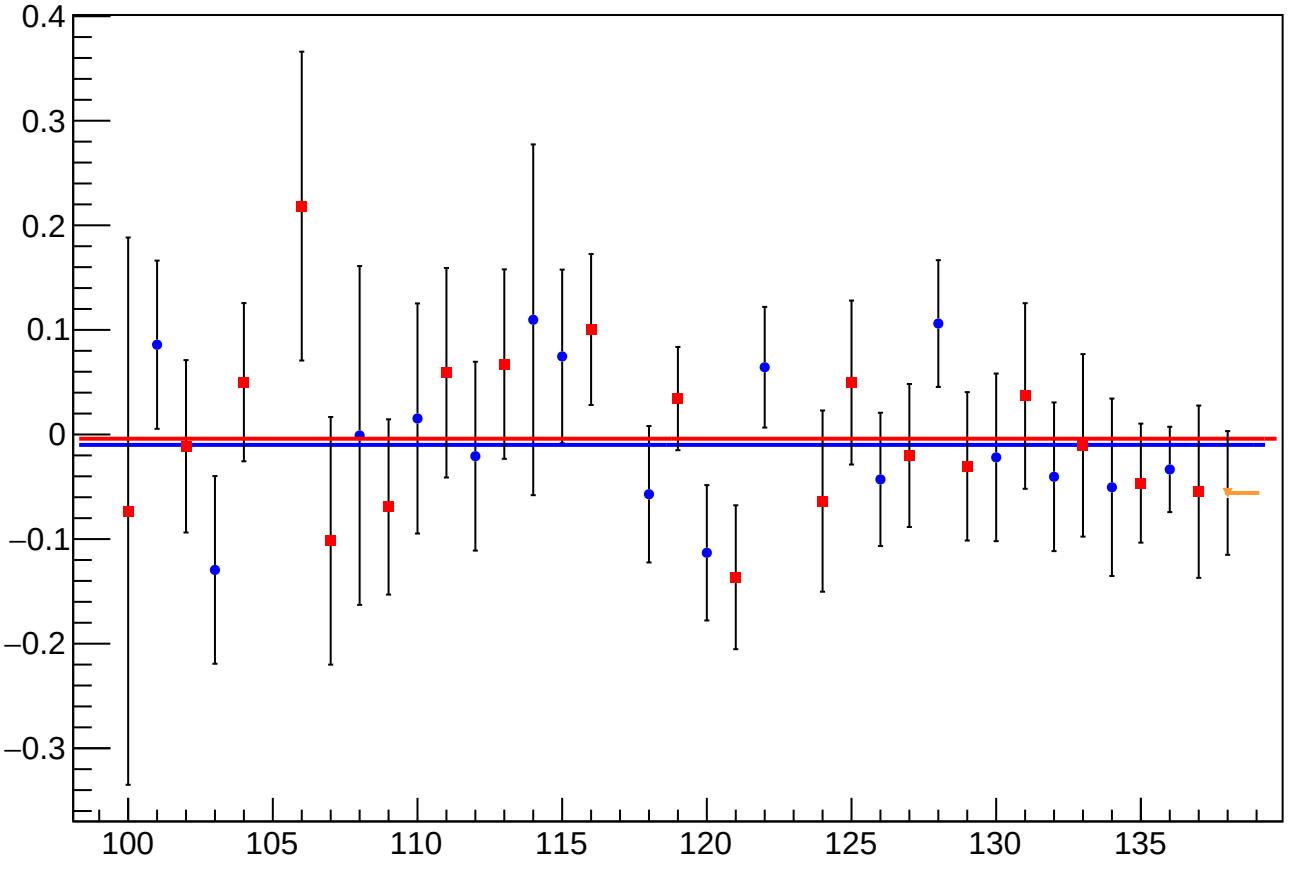
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:1748561.6/15

Out: 0.003+/-0.000 χ^2/NDF:2997432.9/19

All: 0.003+/-0.000 χ^2/NDF: 5073614.8/35

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: -0.056+/-0.059 χ^2/NDF:0.0/0

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.056+/-0.059 χ^2/NDF: 0.0/0

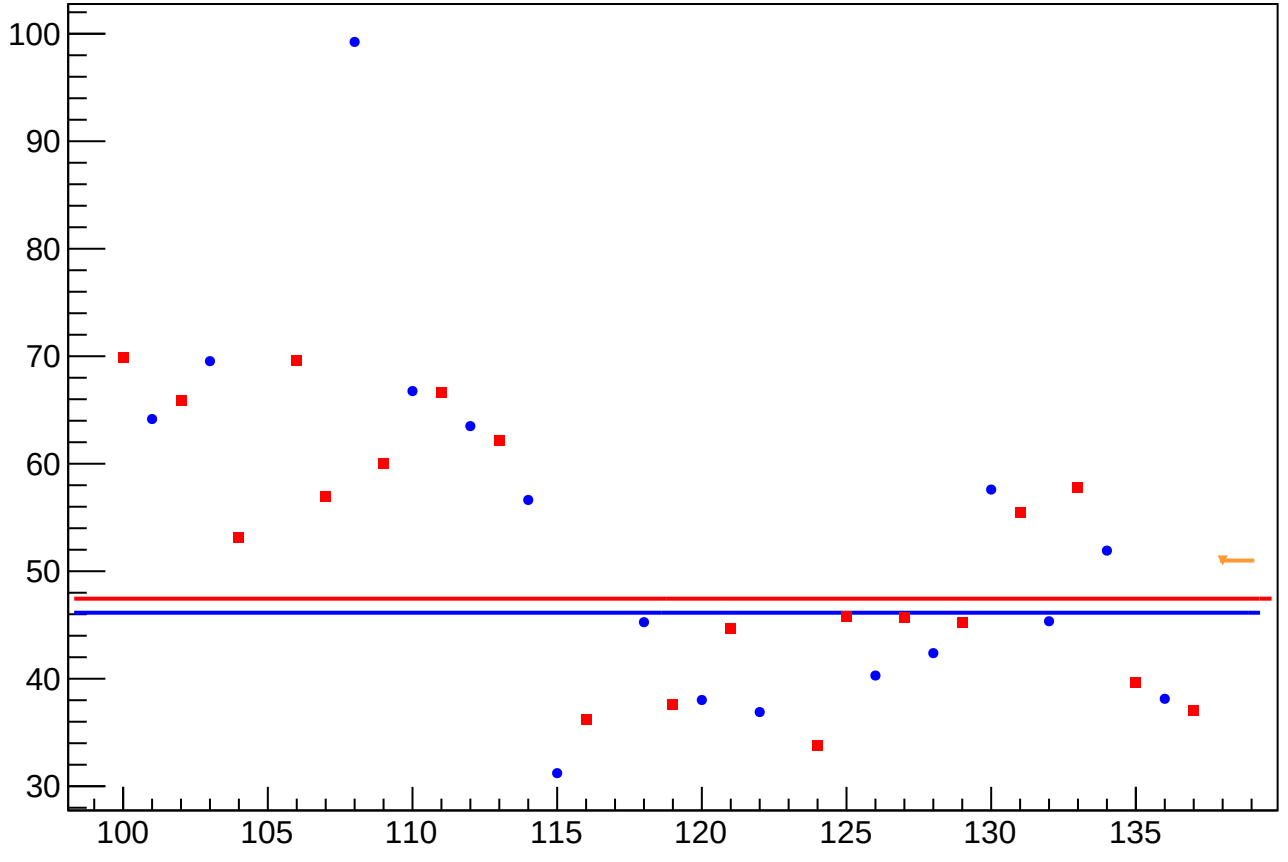
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.010+/-0.018 χ^2/NDF:14.2/15

Out: -0.008+/-0.017 χ^2/NDF:14.6/19

All: -0.009+/-0.012 χ^2/NDF: 28.8/35

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: 50.997+/-0.042 χ^2/NDF:0.0/0

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

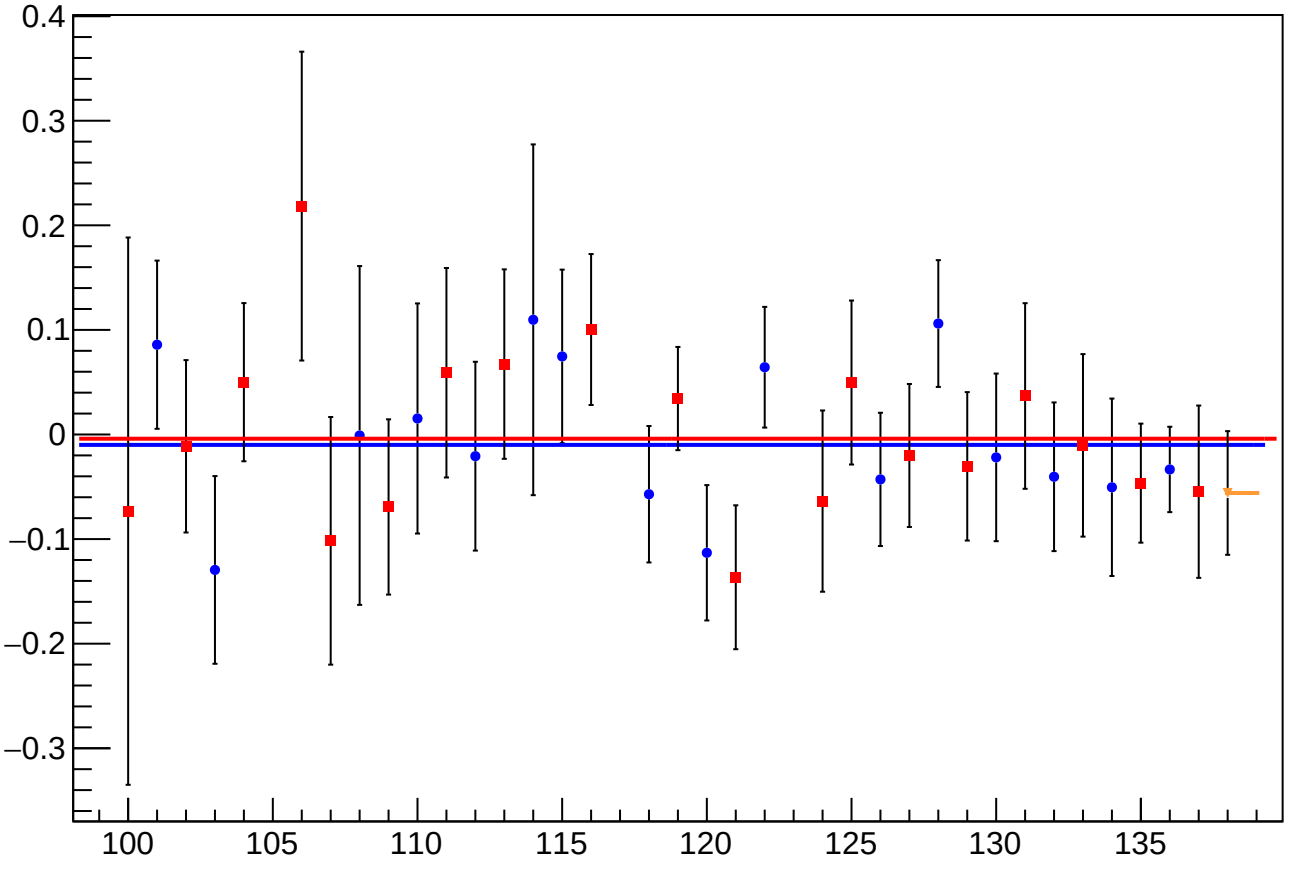
Left: 50.997+/-0.042 χ^2/NDF: 0.0/0

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 46.140+/-0.013 χ^2/NDF:903251.1/15

Out: 47.752+/-0.012 χ^2/NDF:661273.5/19

All: 46.978+/-0.009 χ^2/NDF: 1572870.9/35



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.056+/-0.059 χ^2/NDF:0.0/0

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.056+/-0.059 χ^2/NDF: 0.0/0

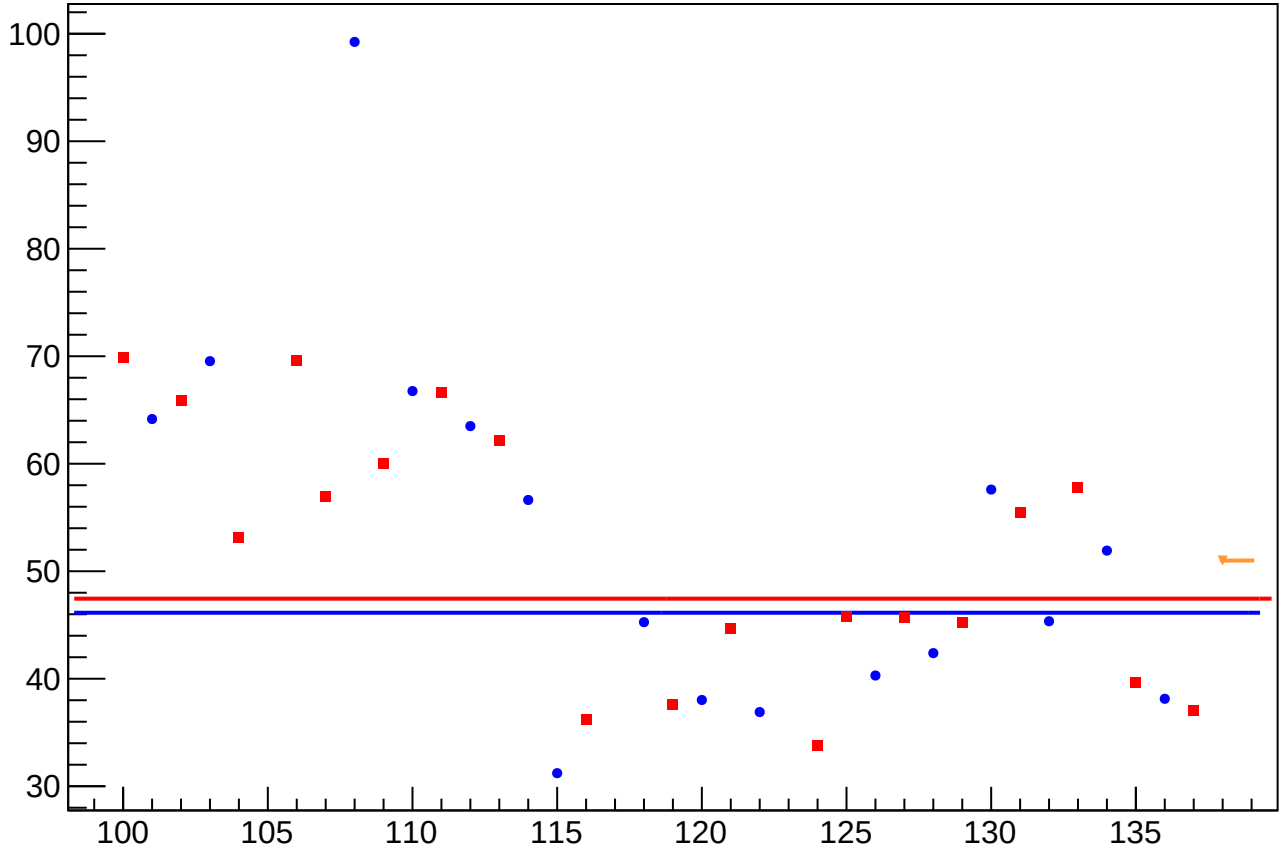
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.010+/-0.018 χ^2/NDF:14.2/15

Out: -0.008+/-0.017 χ^2/NDF:14.6/19

All: -0.009+/-0.012 χ^2/NDF: 28.8/35

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 50.997+/-0.042 χ^2/NDF:0.0/0

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

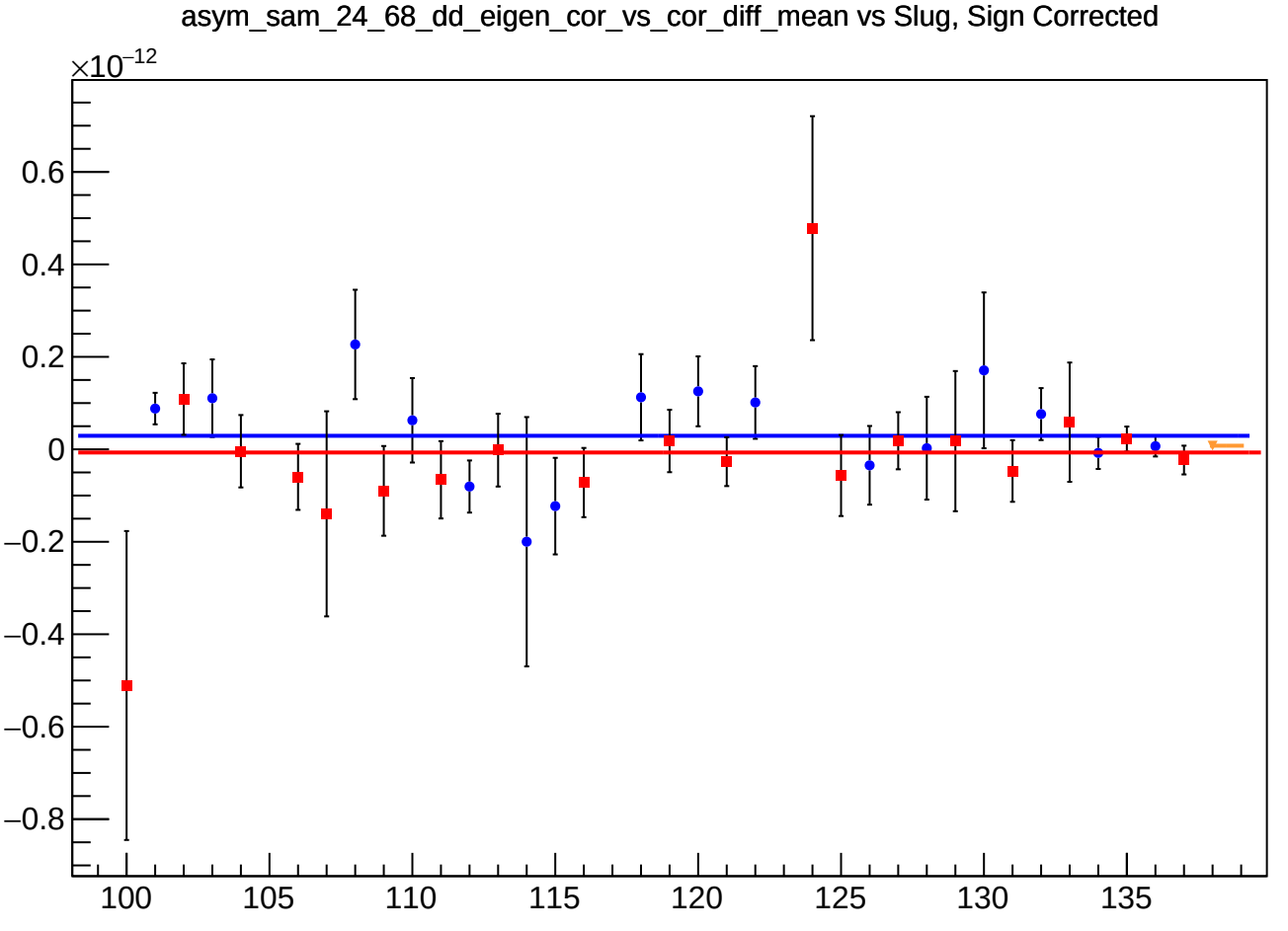
Left: 50.997+/-0.042 χ^2/NDF: 0.0/0

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 46.140+/-0.013 χ^2/NDF:903251.1/15

Out: 47.752+/-0.012 χ^2/NDF:661273.5/19

All: 46.978+/-0.009 χ^2/NDF: 1572870.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

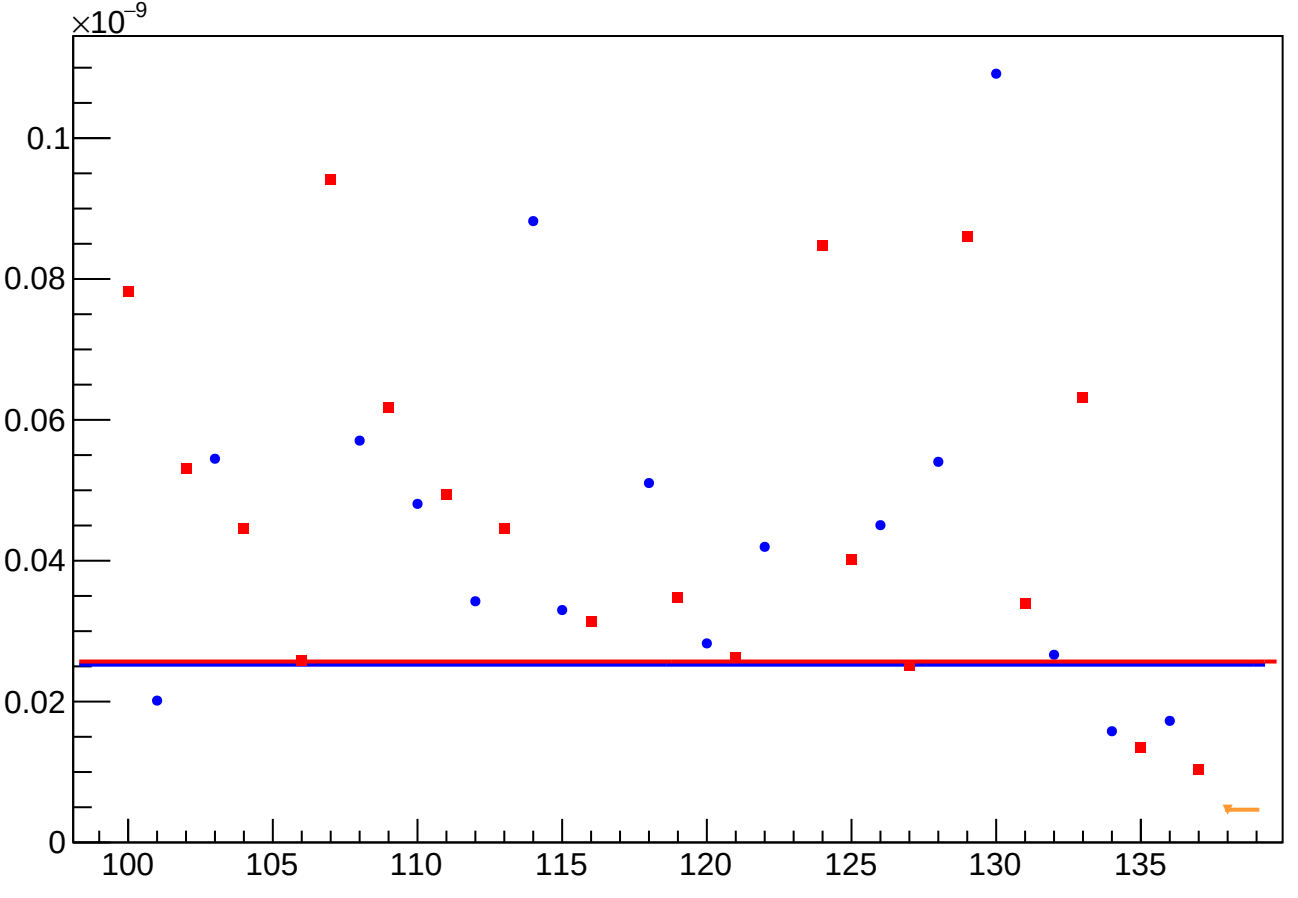
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: 0.000+/-0.000 χ^2/NDF:20.9/15

Out: 0.000+/-0.000 χ^2/NDF:15.0/19

All: 0.000+/-0.000 χ^2/NDF: 38.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

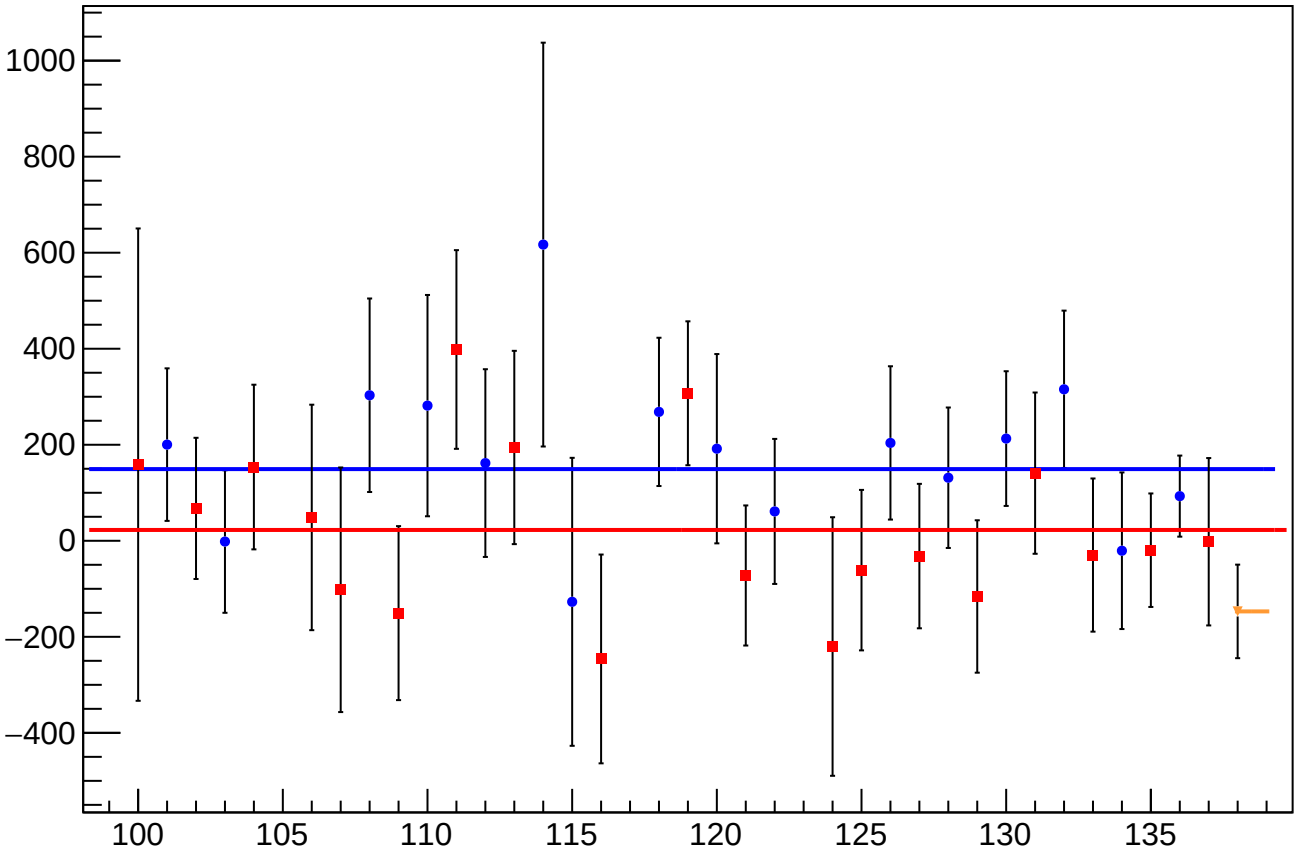
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:2117960.1/15

Out: 0.000+/-0.000 χ^2/NDF:5743578.6/19

All: 0.000+/-0.000 χ^2/NDF: 9443849.6/35



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -147.087+/-97.401 χ^2/NDF:0.0/0

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

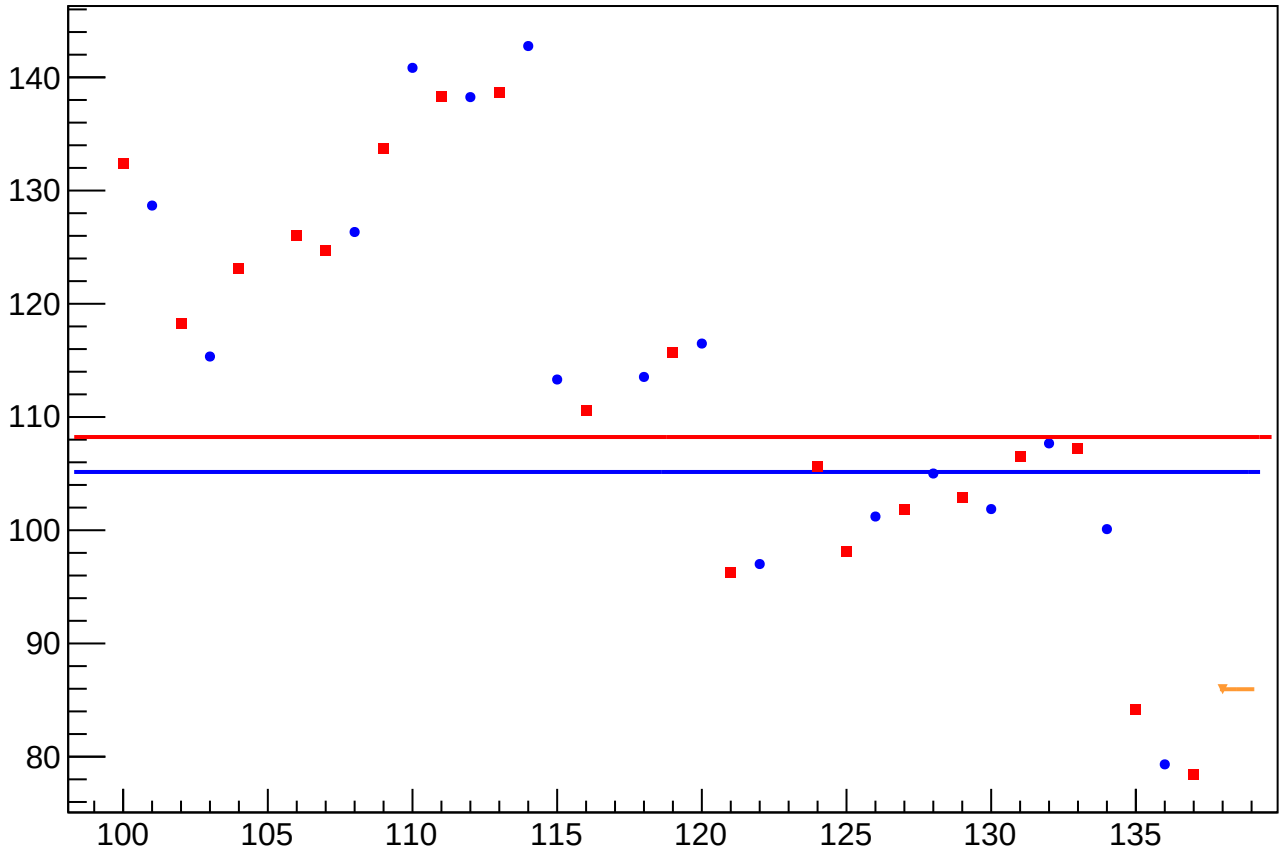
Left: -147.087+/-97.401 χ^2/NDF: 0.0/0

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 149.303+/-39.687 χ^2/NDF:8.0/15

Out: -2.037+/-37.081 χ^2/NDF:16.8/19

All: 68.501+/-27.095 χ^2/NDF: 32.6/35



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.958+/-0.069 χ^2/NDF:0.0/0

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 85.958+/-0.069 χ^2/NDF: 0.0/0

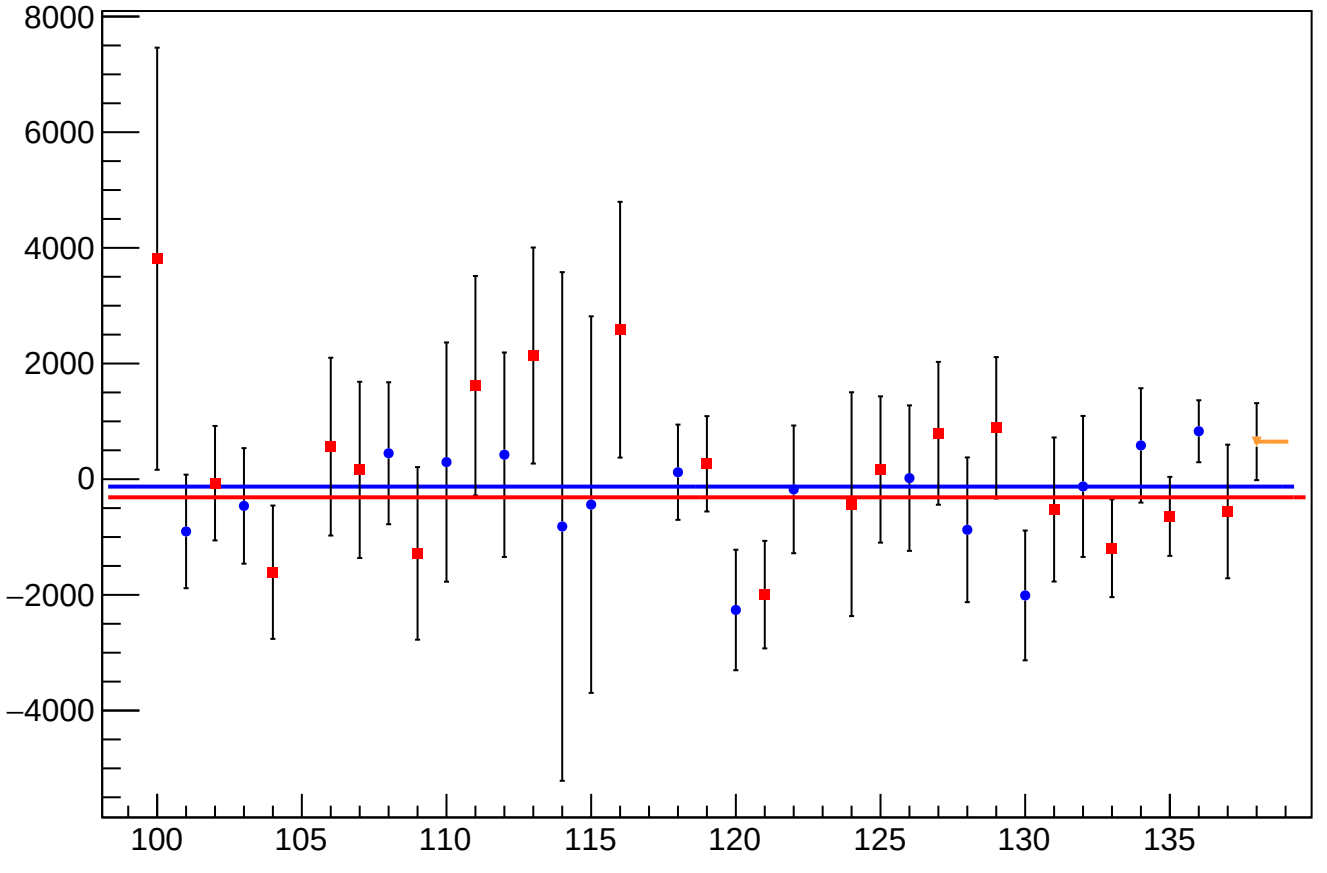
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 105.146+/-0.028 χ^2/NDF:408406.3/15

Out: 105.005+/-0.026 χ^2/NDF:439373.9/19

All: 105.071+/-0.019 χ^2/NDF: 847793.9/35

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: 649.529+/-665.638 χ^2/NDF:0.0/0

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

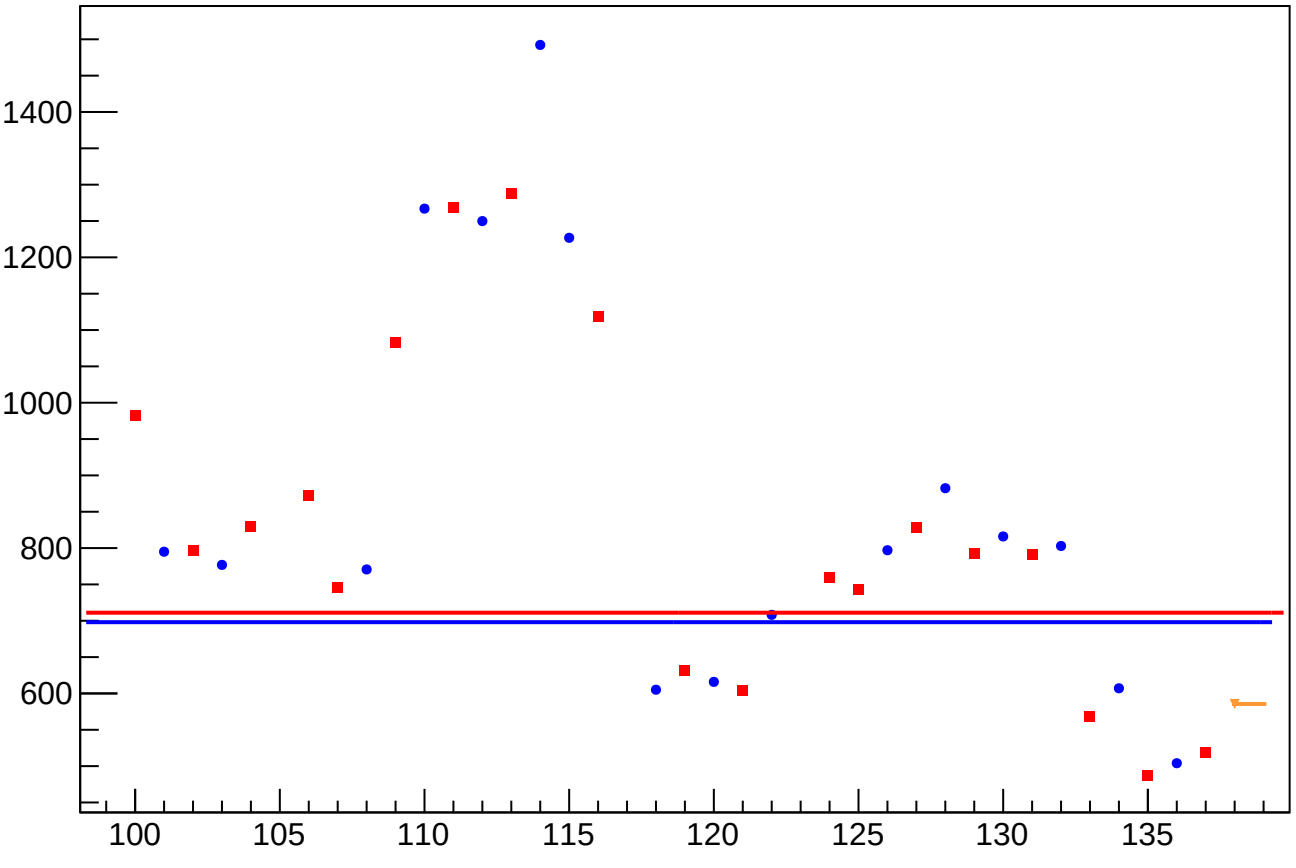
Left: 649.529+/-665.638 χ^2/NDF: 0.0/0

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -128.056+/-268.611 χ^2/NDF:12.3/15

Out: -176.922+/-250.304 χ^2/NDF:16.8/19

All: -154.211+/-183.122 χ^2/NDF: 29.1/35



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 585.511+/-0.471 χ^2/NDF:0.0/0

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

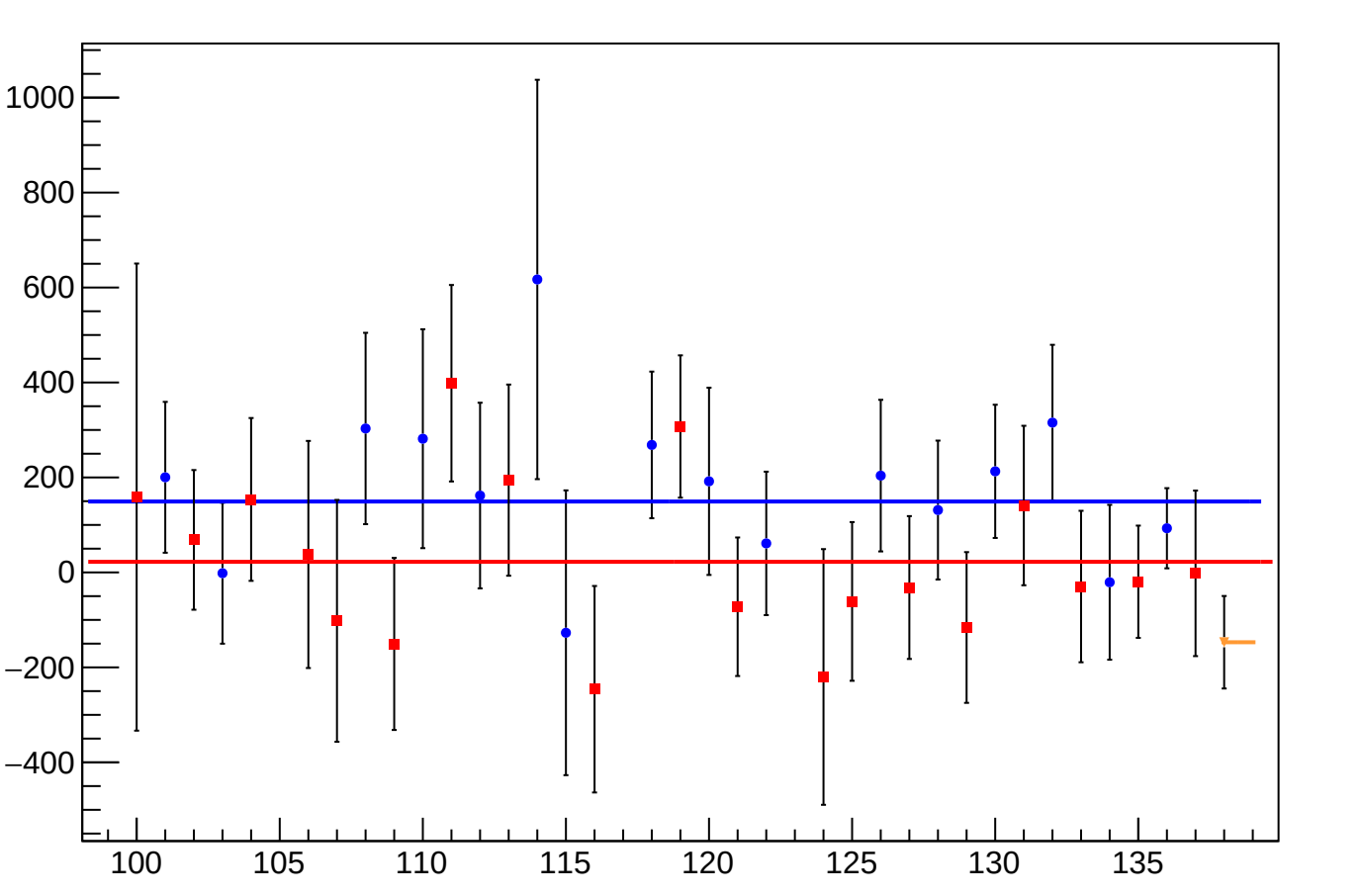
Left: 585.511+/-0.471 χ^2/NDF: 0.0/0

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 698.055+/-0.190 χ^2/NDF:912851.5/15

Out: 693.331+/-0.177 χ^2/NDF:1096235.1/19

All: 695.526+/-0.129 χ^2/NDF: 2009417.7/35



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -147.081+/-97.401 χ^2/NDF:0.0/0

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

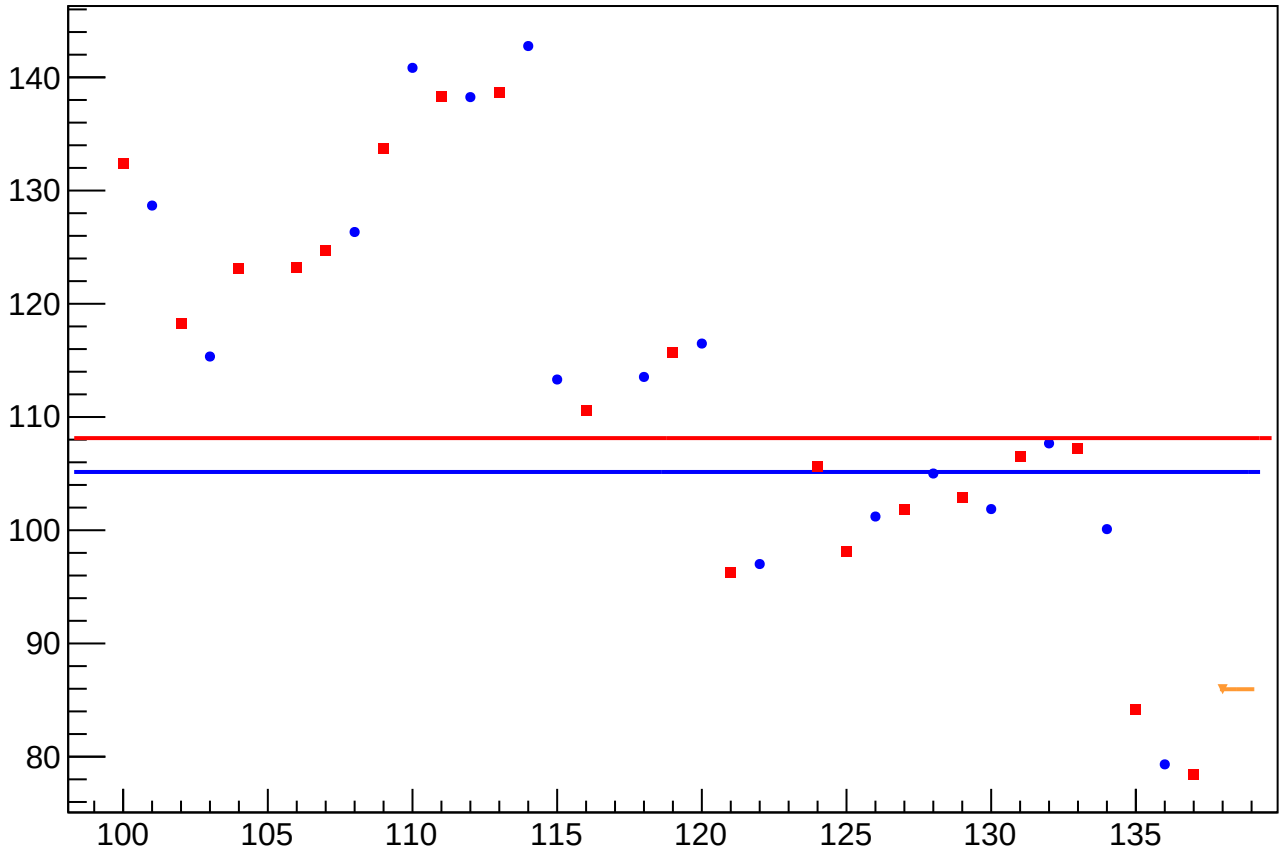
Left: -147.081+/-97.401 χ^2/NDF: 0.0/0

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 149.294+/-39.687 χ^2/NDF:8.0/15

Out: -2.275+/-37.098 χ^2/NDF:16.8/19

All: 68.405+/-27.101 χ^2/NDF: 32.6/35



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.958+/-0.069 χ^2/NDF:0.0/0

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 85.958+/-0.069 χ^2/NDF: 0.0/0

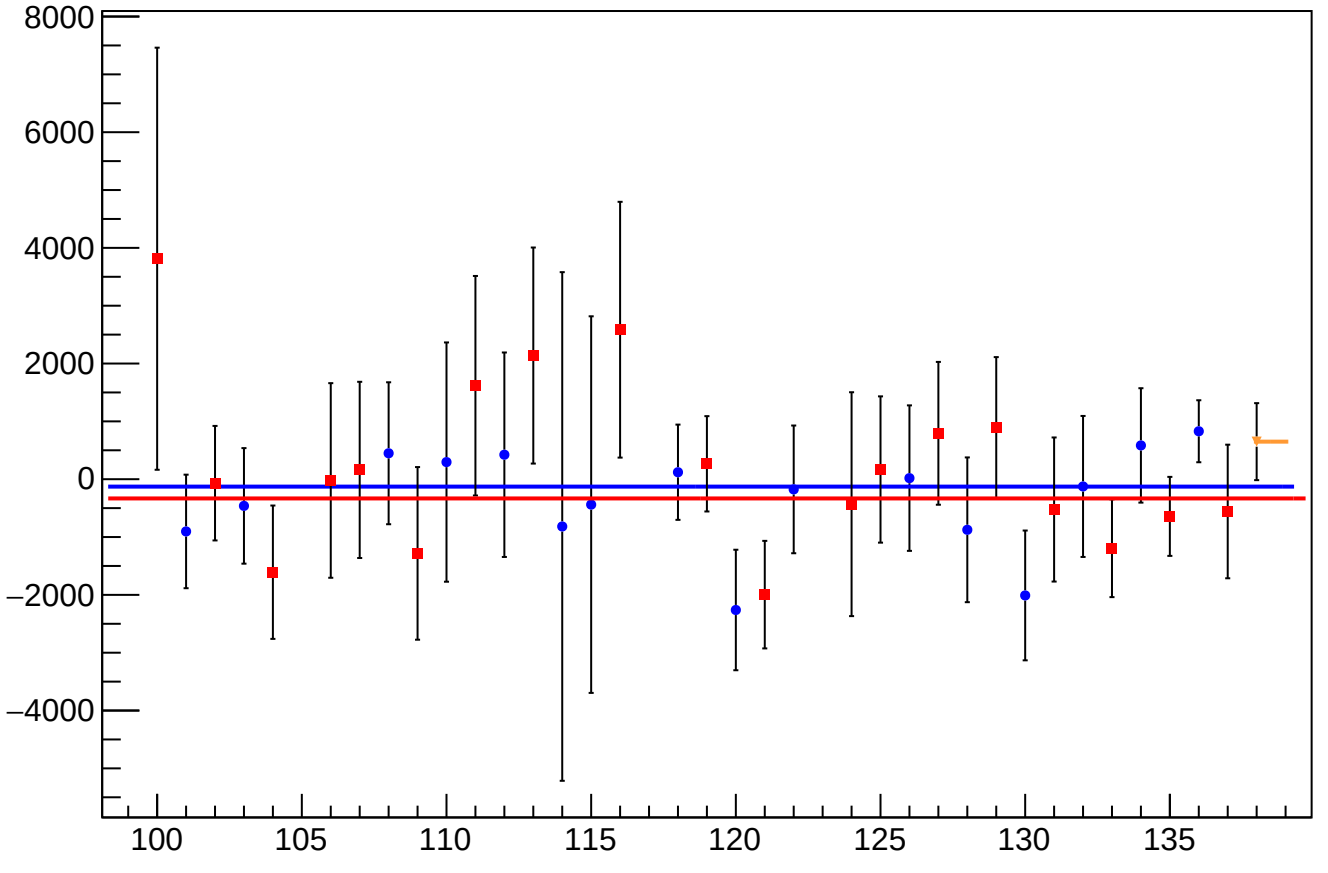
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 105.146+/-0.028 χ^2/NDF:408406.5/15

Out: 104.919+/-0.026 χ^2/NDF:434973.2/19

All: 105.025+/-0.019 χ^2/NDF: 843414.6/35

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 649.538+/-665.638 χ^2/NDF:0.0/0

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

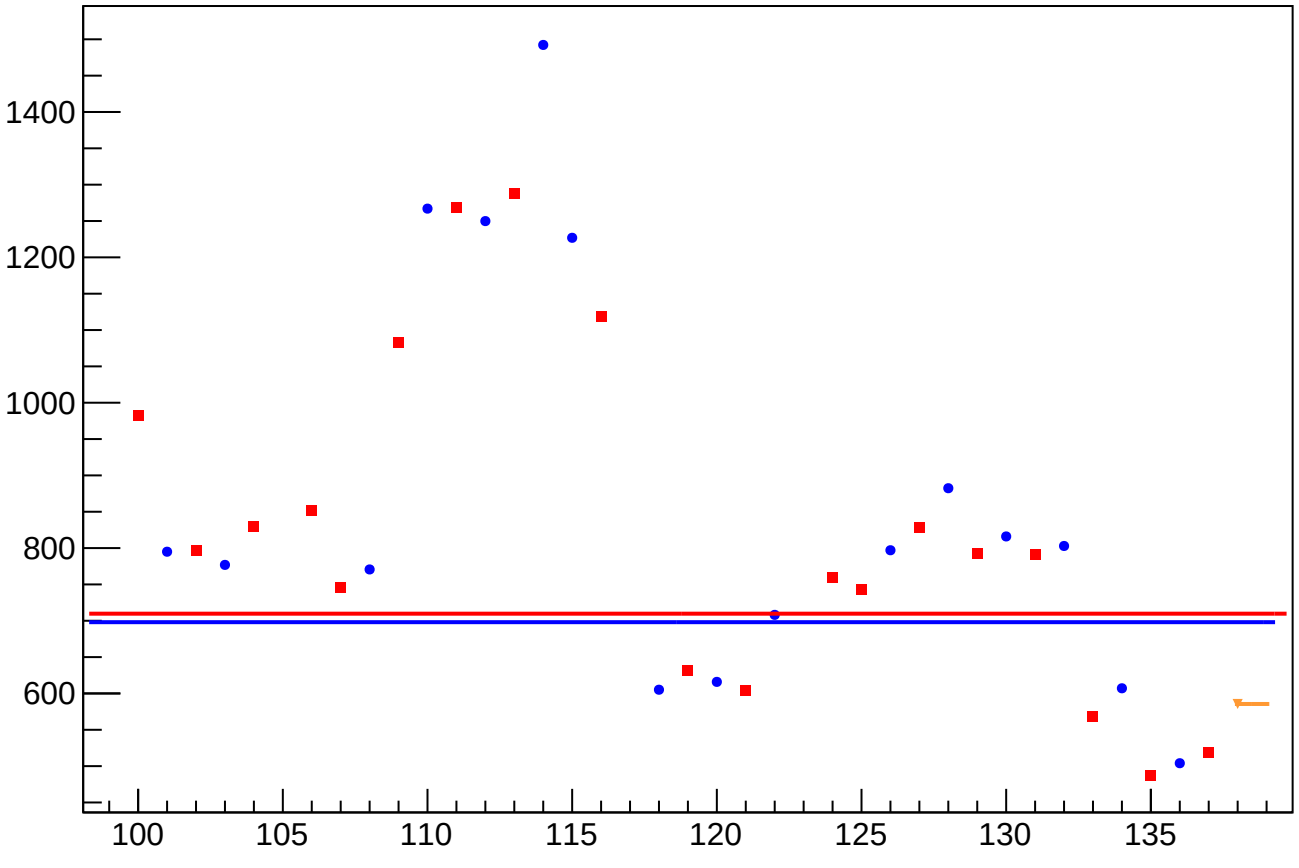
Left: 649.538+/-665.638 χ^2/NDF: 0.0/0

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -128.047+/-268.611 χ^2/NDF:12.3/15

Out: -193.155+/-250.865 χ^2/NDF:16.6/19

All: -162.823+/-183.341 χ^2/NDF: 28.9/35



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 585.511+/-0.471 χ^2/NDF:0.0/0

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

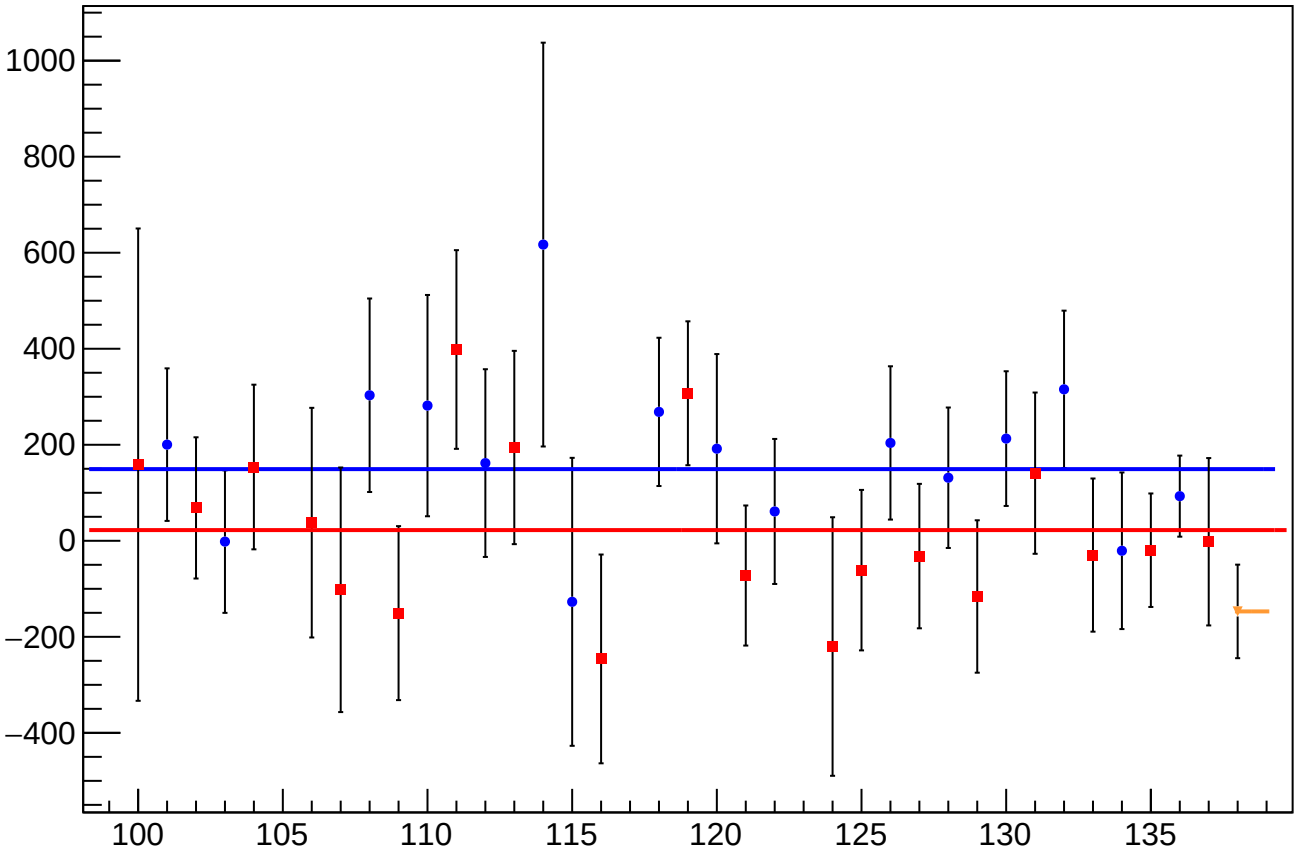
Left: 585.511+/-0.471 χ^2/NDF: 0.0/0

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 698.055+/-0.190 χ^2/NDF:912861.2/15

Out: 692.102+/-0.177 χ^2/NDF:1086890.3/19

All: 694.875+/-0.130 χ^2/NDF: 2000276.2/35



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -147.081+/-97.401 χ^2/NDF:0.0/0

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

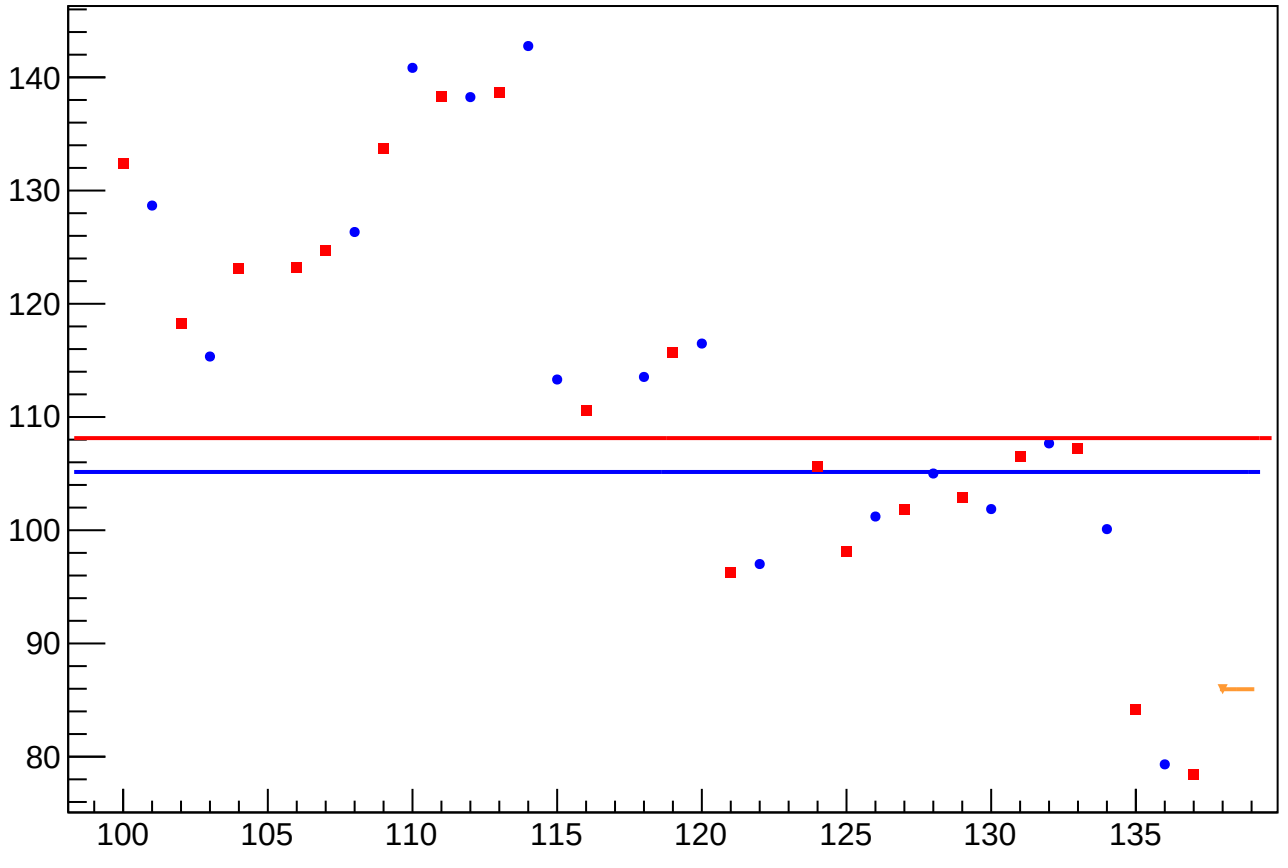
Left: -147.081+/-97.401 χ^2/NDF: 0.0/0

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 149.294+/-39.687 χ^2/NDF:8.0/15

Out: -2.275+/-37.098 χ^2/NDF:16.8/19

All: 68.405+/-27.101 χ^2/NDF: 32.6/35



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.958+/-0.069 χ^2/NDF:0.0/0

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 85.958+/-0.069 χ^2/NDF: 0.0/0

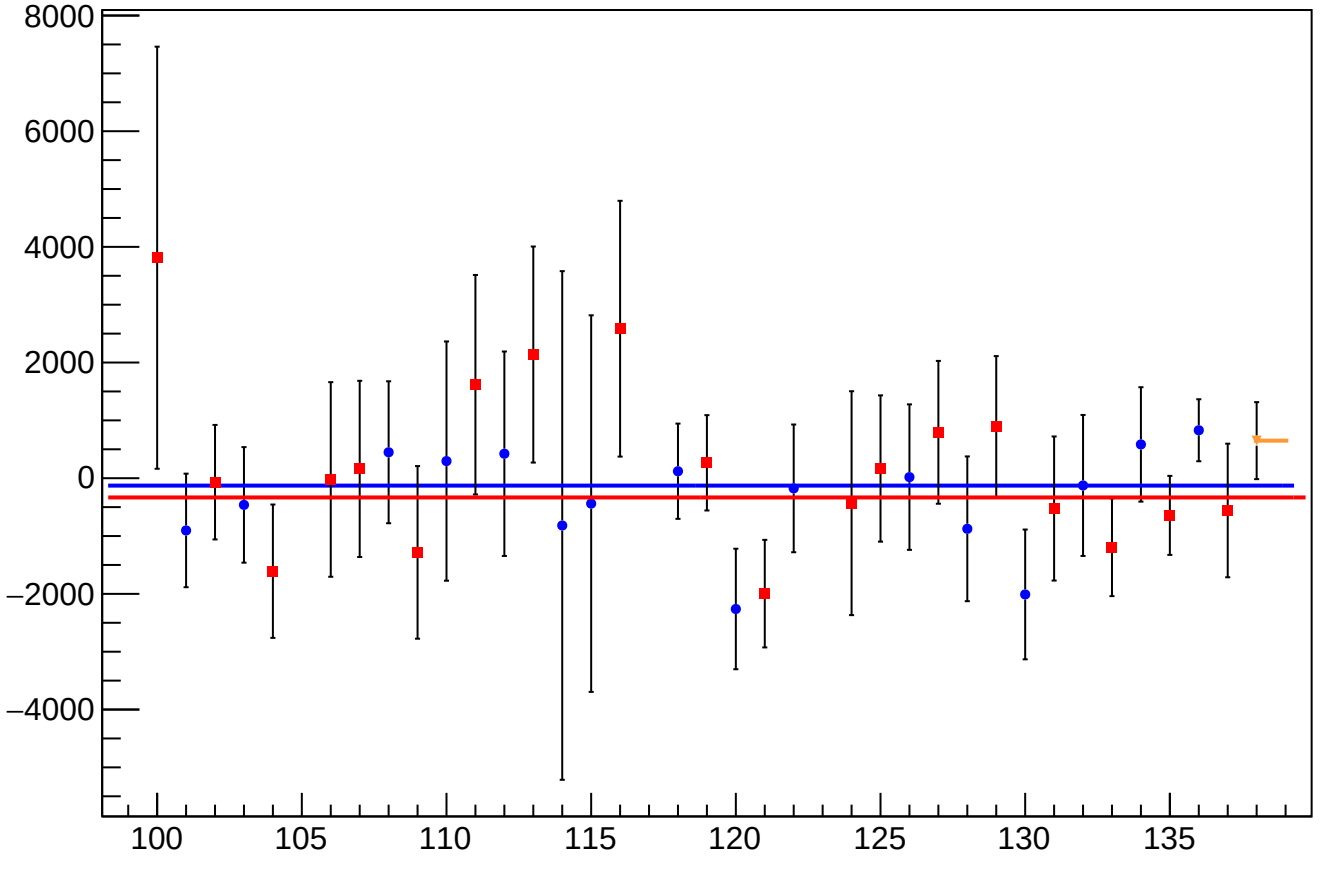
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 105.146+/-0.028 χ^2/NDF:408406.5/15

Out: 104.919+/-0.026 χ^2/NDF:434973.2/19

All: 105.025+/-0.019 χ^2/NDF: 843414.6/35

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: 649.538+/-665.638 χ^2/NDF:0.0/0

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

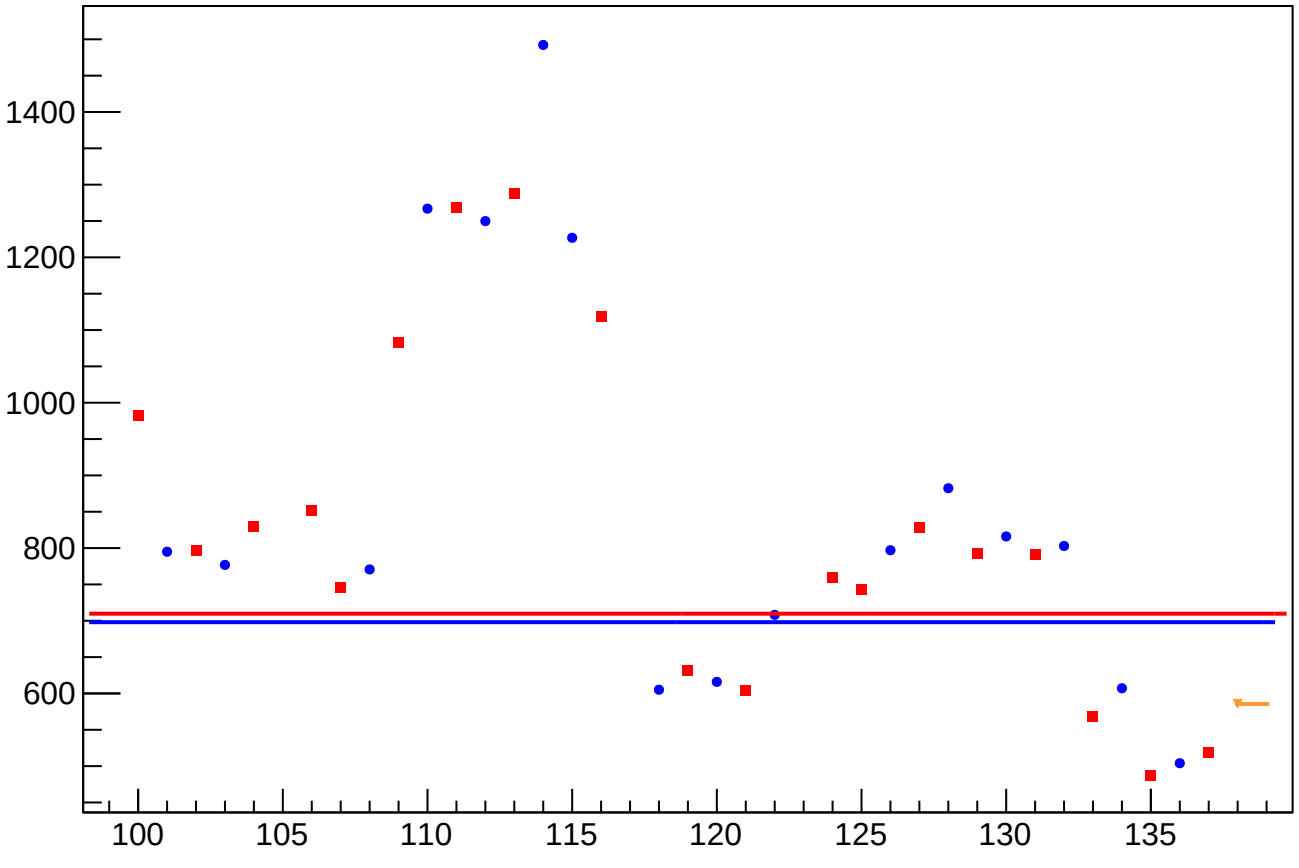
Left: 649.538+/-665.638 χ^2/NDF: 0.0/0

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -128.047+/-268.611 χ^2/NDF:12.3/15

Out: -193.155+/-250.865 χ^2/NDF:16.6/19

All: -162.823+/-183.341 χ^2/NDF: 28.9/35



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 585.511+/-0.471 χ^2/NDF:0.0/0

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

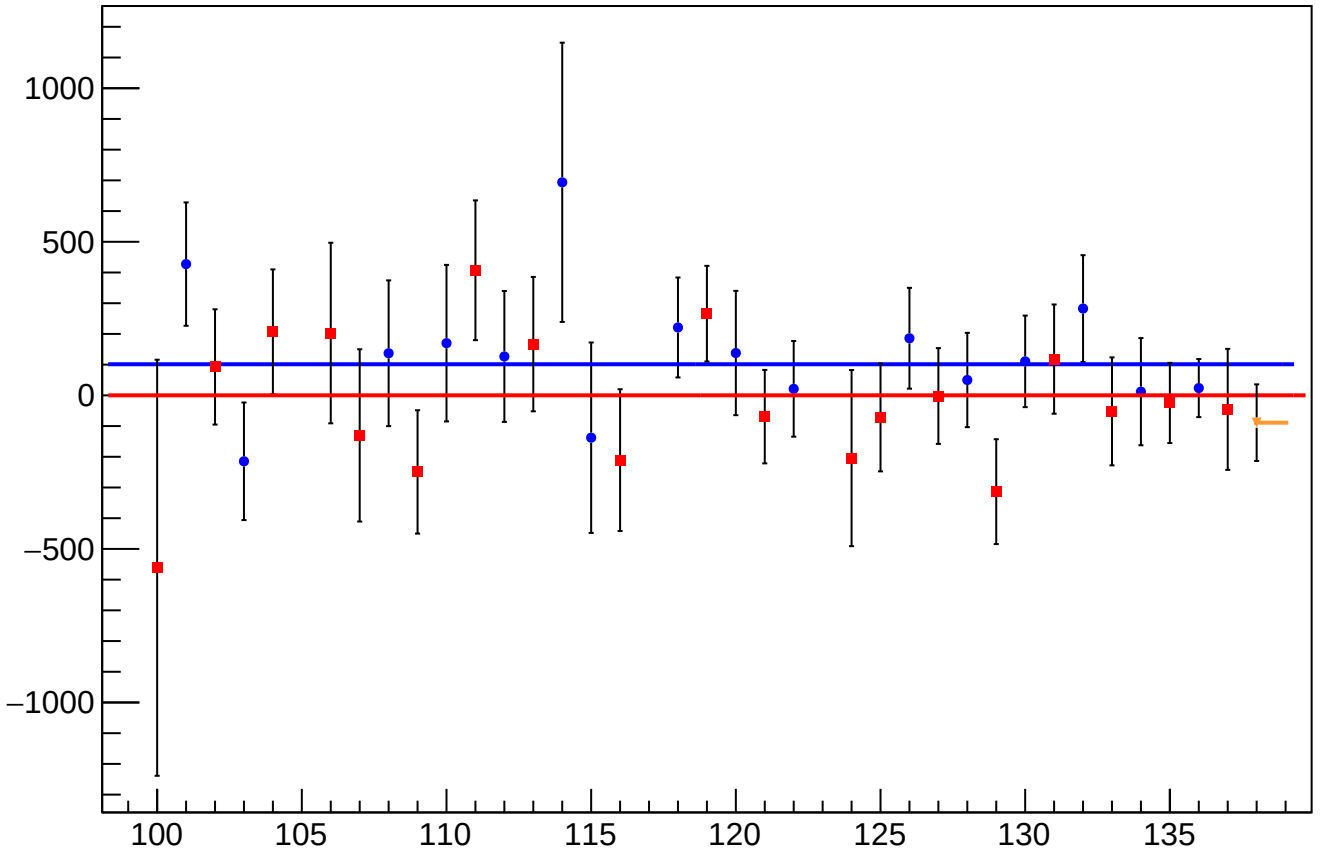
Left: 585.511+/-0.471 χ^2/NDF: 0.0/0

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 698.055+/-0.190 χ^2/NDF:912861.2/15

Out: 692.102+/-0.177 χ^2/NDF:1086890.3/19

All: 694.875+/-0.130 χ^2/NDF: 2000276.2/35



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -88.875+/-124.668 χ^2/NDF:0.0/0

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

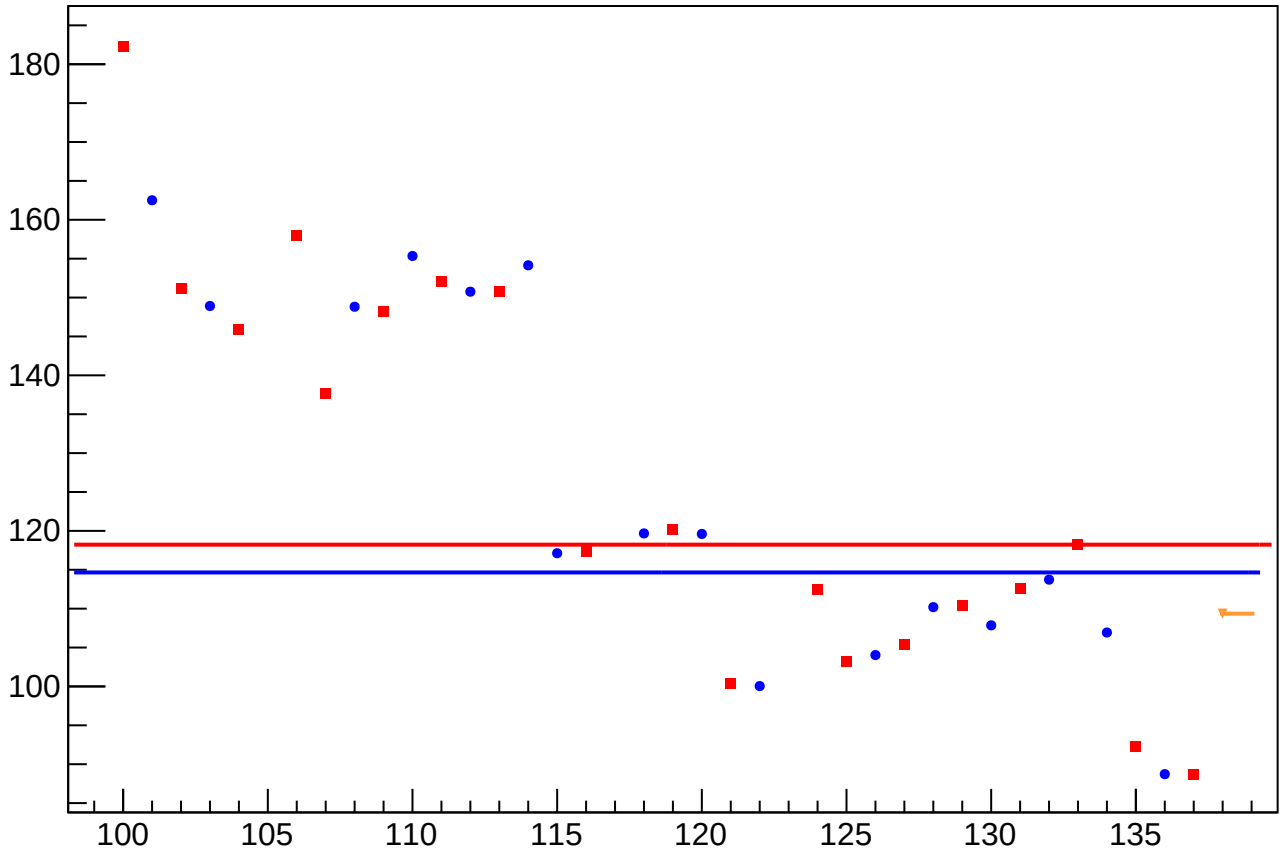
Left: -88.875+/-124.668 χ^2/NDF: 0.0/0

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 101.281+/-43.510 χ^2/NDF:11.0/15

Out: -9.747+/-41.521 χ^2/NDF:17.1/19

All: 43.171+/-30.038 χ^2/NDF: 31.5/35



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 109.357+/-0.088 χ^2/NDF:0.0/0

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

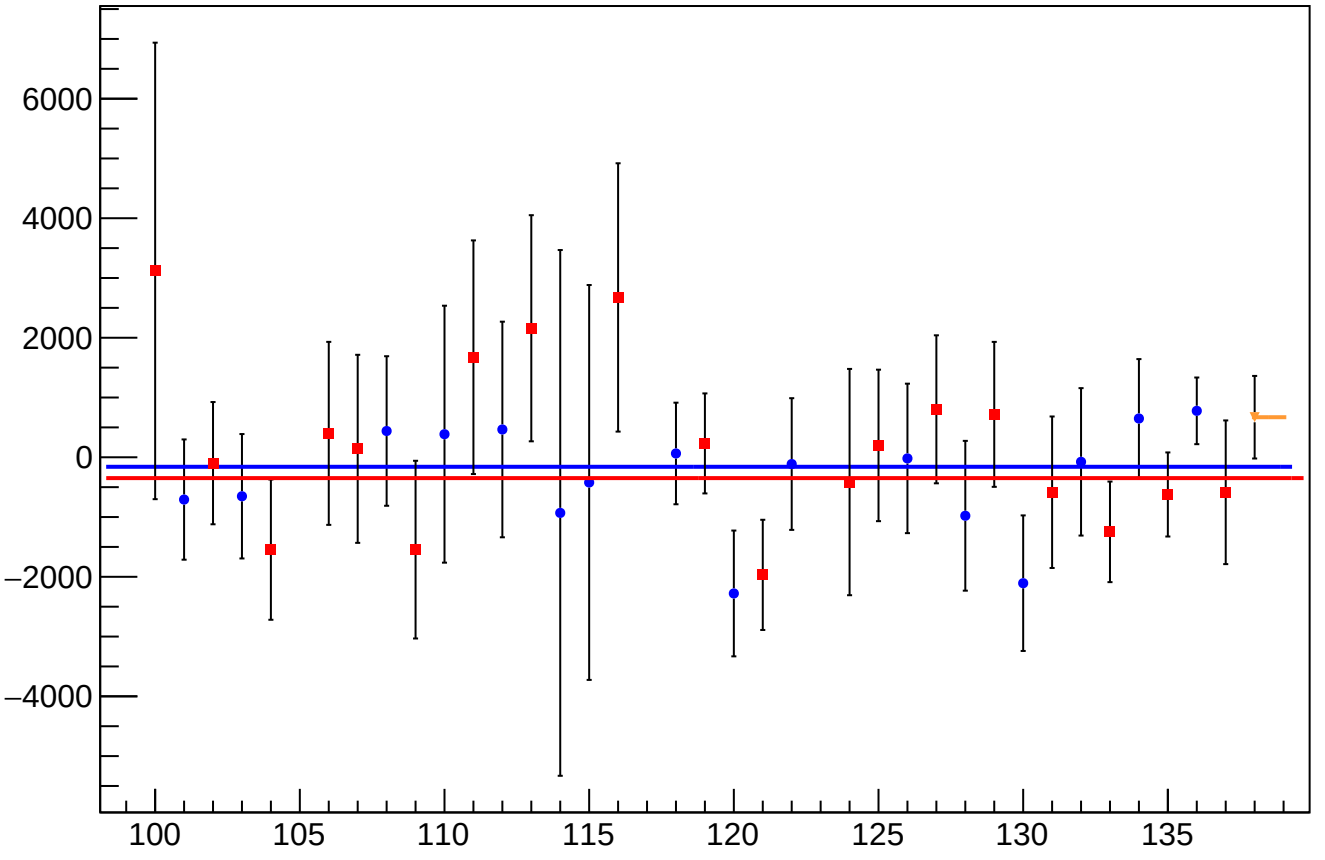
Left: 109.357+/-0.088 χ^2/NDF: 0.0/0

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 114.655+/-0.031 χ^2/NDF:531976.2/15

Out: 117.246+/-0.029 χ^2/NDF:492414.9/19

All: 116.011+/-0.021 χ^2/NDF: 1028105.1/35



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 670.387+/-690.926 χ^2/NDF:0.0/0

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

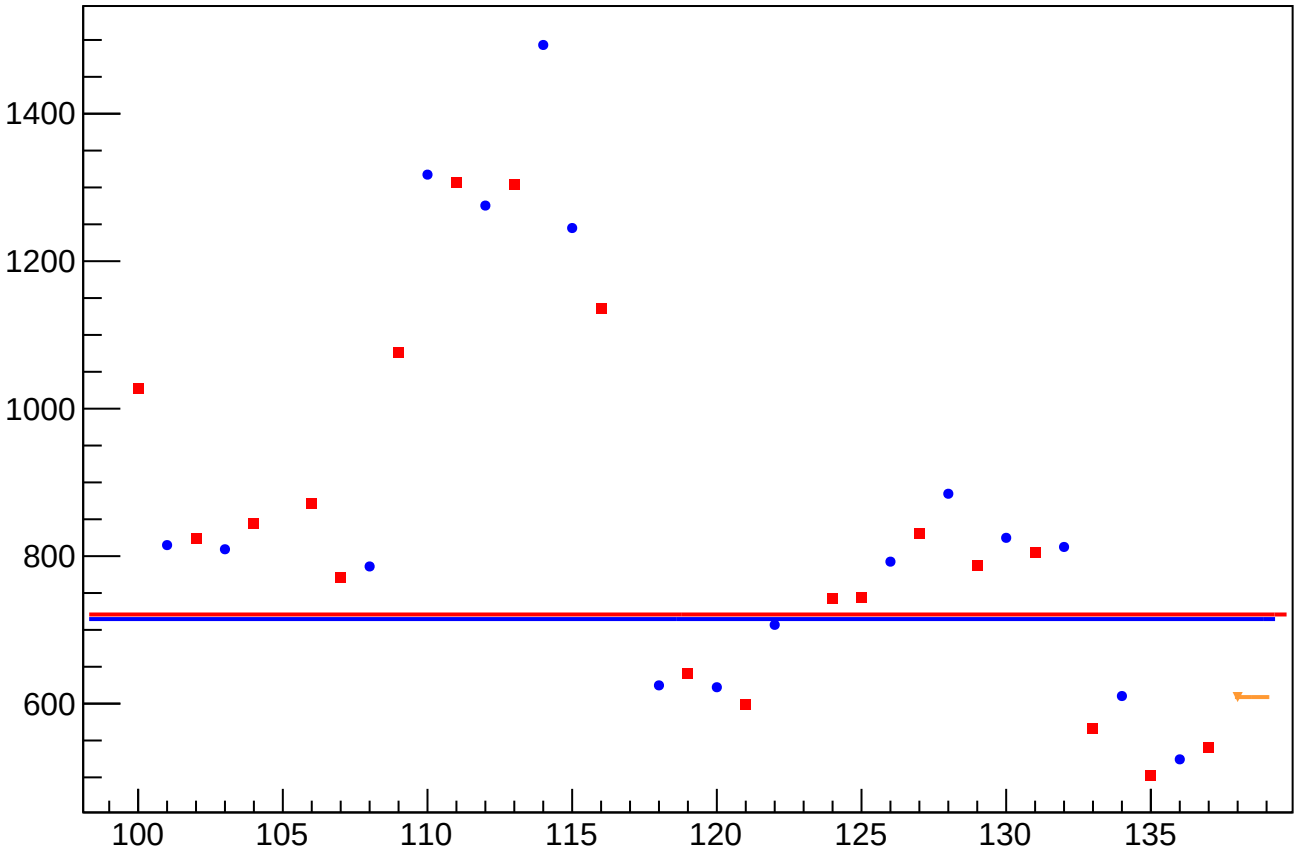
Left: 670.387+/-690.926 χ^2/NDF: 0.0/0

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -159.110+/-274.558 χ^2/NDF:12.0/15

Out: -210.416+/-254.378 χ^2/NDF:16.2/19

All: -186.718+/-186.599 χ^2/NDF: 28.2/35



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 608.890+/-0.489 χ^2/NDF:0.0/0

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

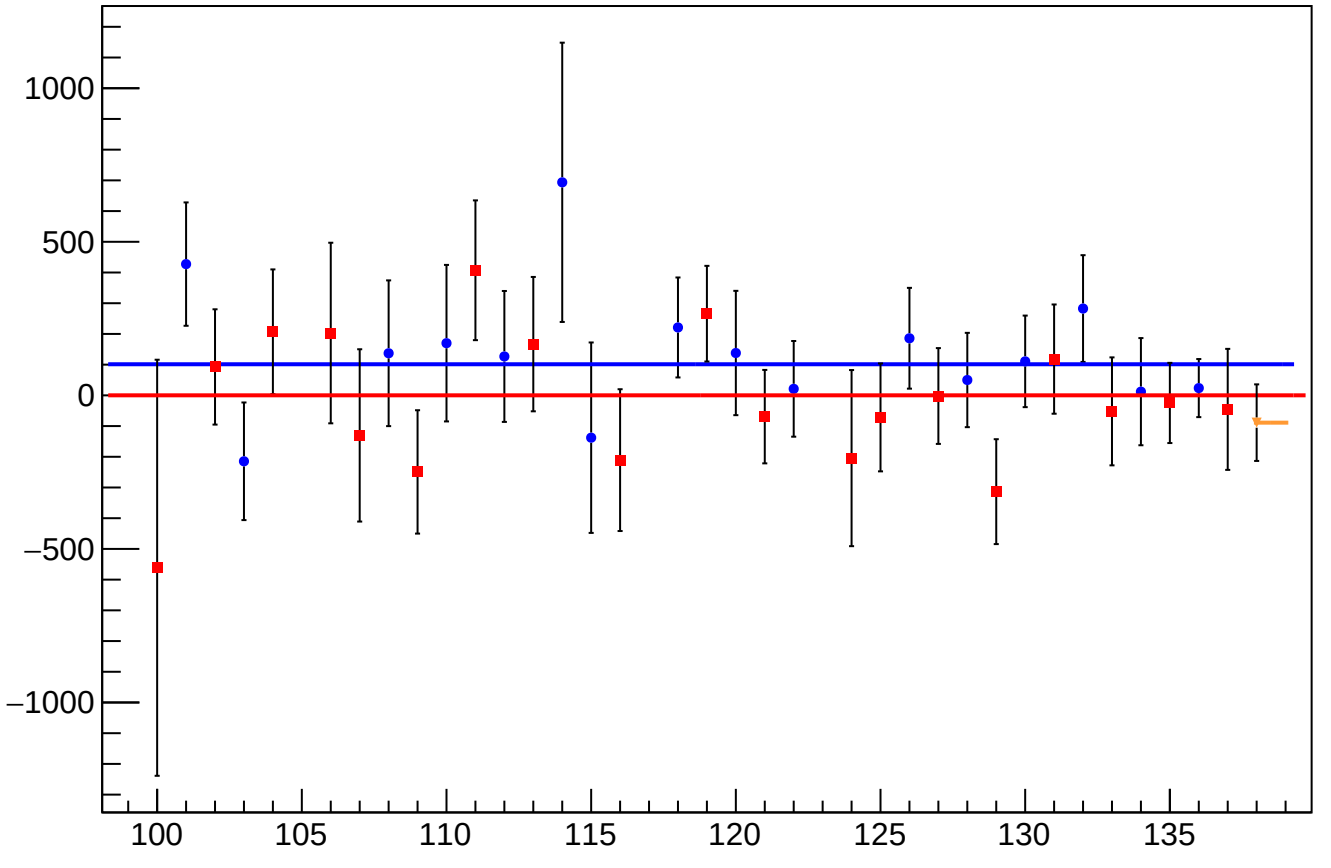
Left: 608.890+/-0.489 χ^2/NDF: 0.0/0

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 714.666+/-0.194 χ^2/NDF:876217.1/15

Out: 705.704+/-0.180 χ^2/NDF:1063861.0/19

All: 709.844+/-0.132 χ^2/NDF: 1941224.8/35



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -88.875+/-124.668 χ^2/NDF:0.0/0

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

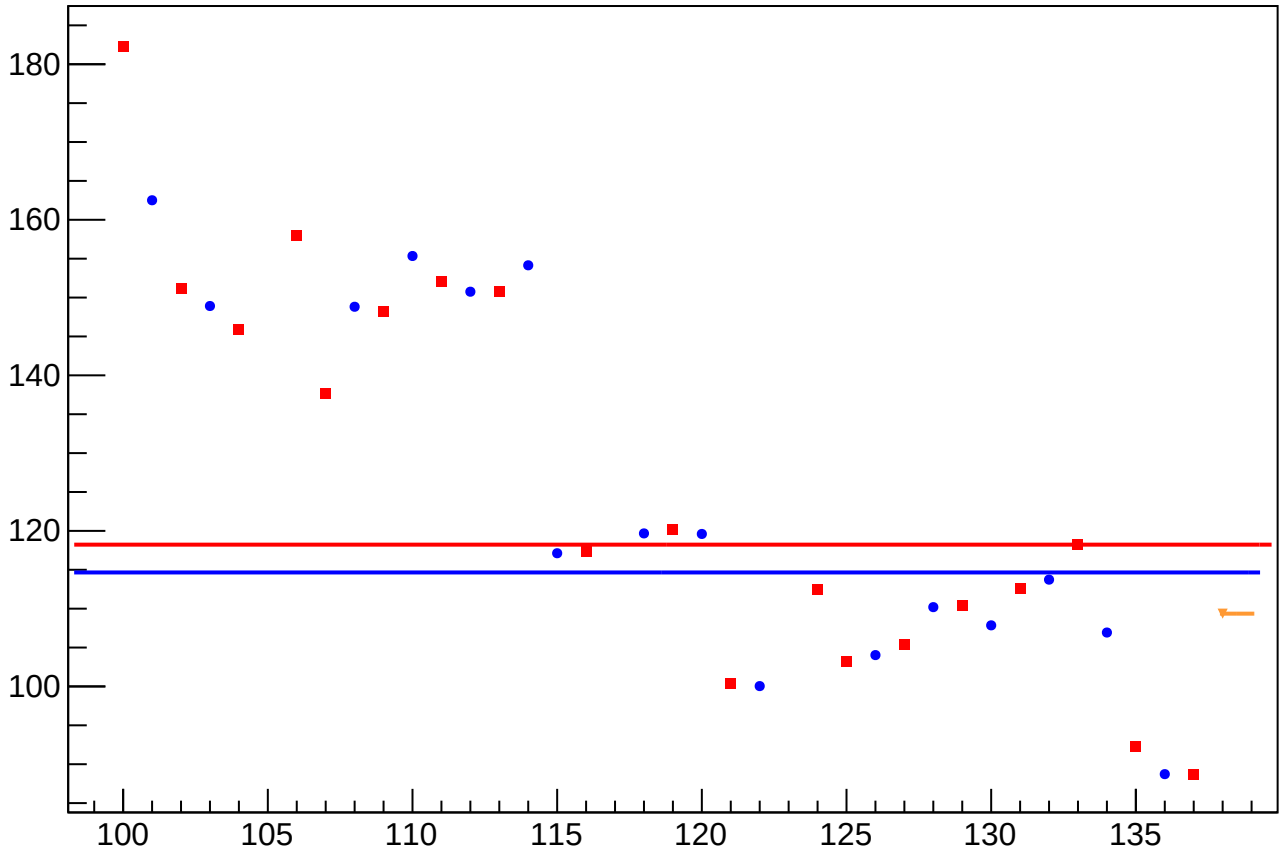
Left: -88.875+/-124.668 χ^2/NDF: 0.0/0

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 101.278+/-43.510 χ^2/NDF:11.0/15

Out: -9.747+/-41.521 χ^2/NDF:17.1/19

All: 43.170+/-30.038 χ^2/NDF: 31.5/35



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 109.358+/-0.088 χ^2/NDF:0.0/0

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 109.358+/-0.088 χ^2/NDF: 0.0/0

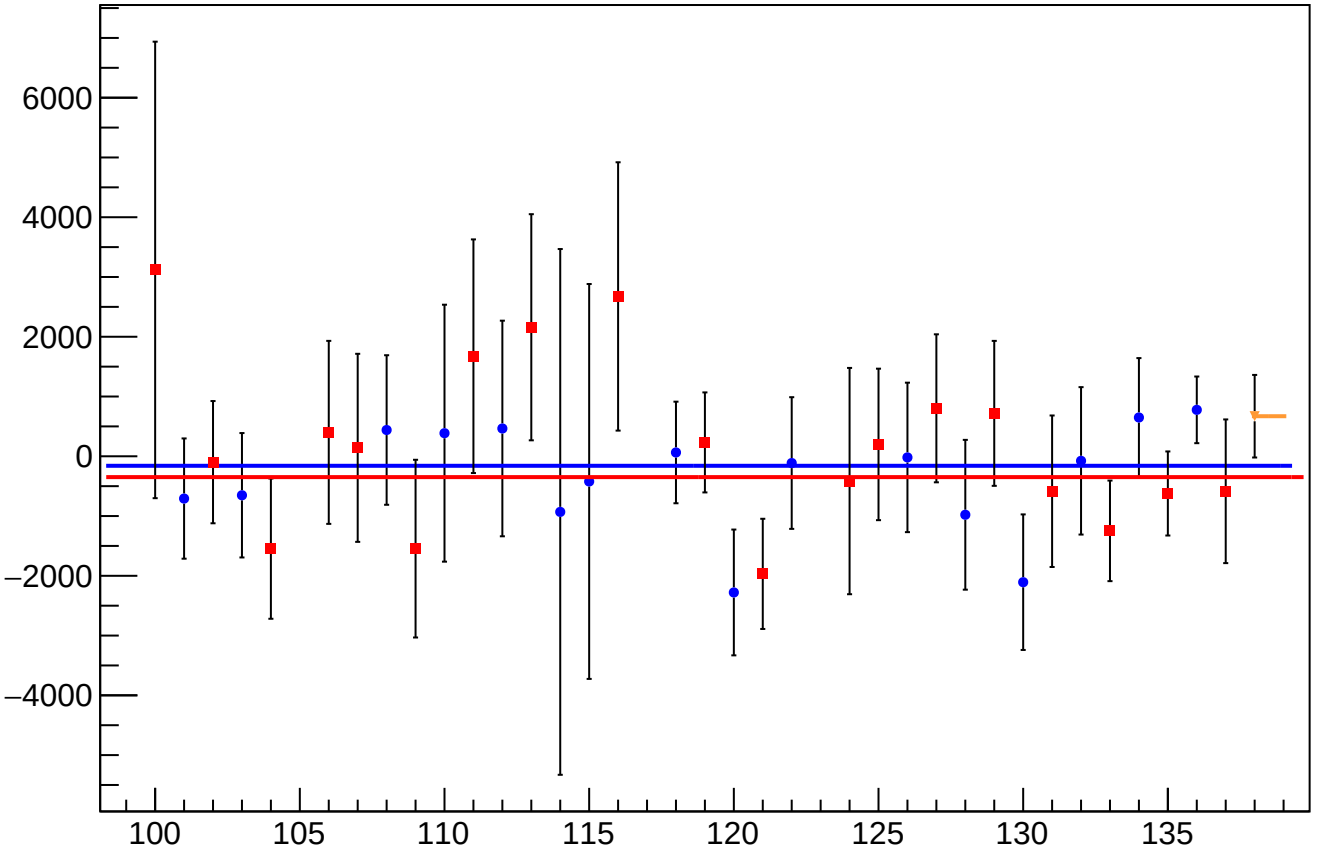
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 114.655+/-0.031 χ^2/NDF:531962.9/15

Out: 117.246+/-0.029 χ^2/NDF:492408.4/19

All: 116.011+/-0.021 χ^2/NDF: 1028084.8/35

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 670.388+/-690.926 χ^2/NDF:0.0/0

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 670.388+/-690.926 χ^2/NDF: 0.0/0

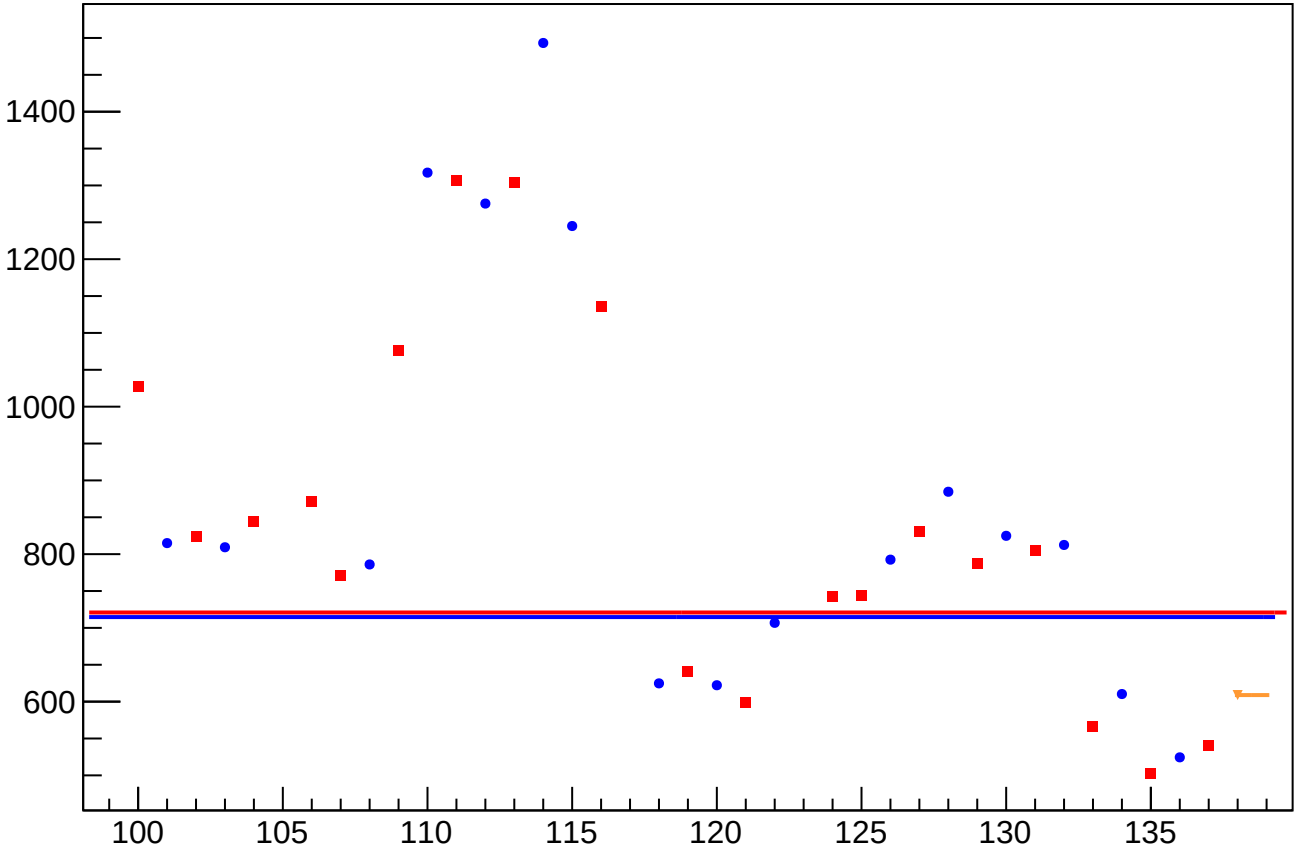
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -159.112+/-274.558 χ^2/NDF:12.0/15

Out: -210.416+/-254.377 χ^2/NDF:16.2/19

All: -186.719+/-186.599 χ^2/NDF: 28.2/35

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 608.890+/-0.489 χ^2/NDF:0.0/0

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 608.890+/-0.489 χ^2/NDF: 0.0/0

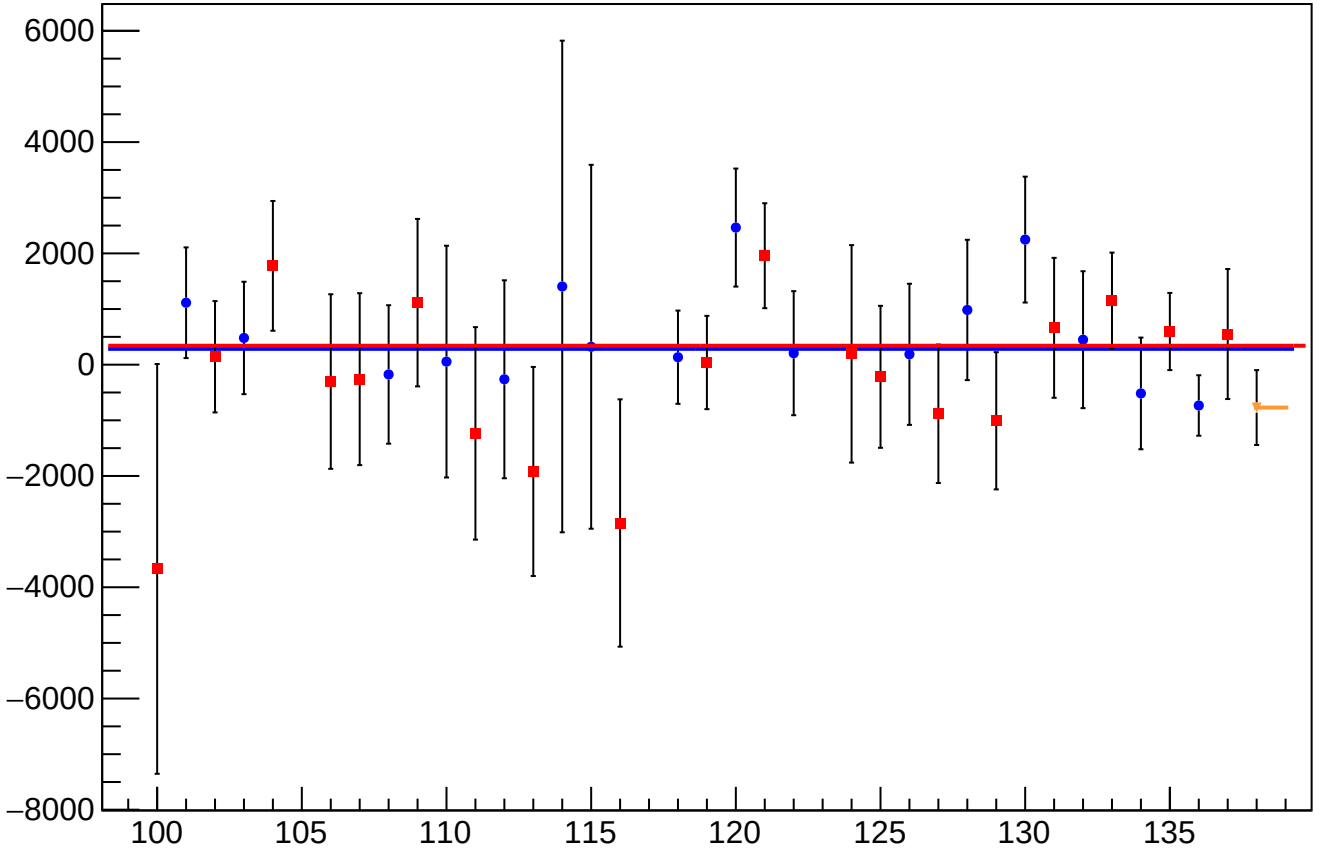
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 714.666+/-0.194 χ^2/NDF:876211.4/15

Out: 705.704+/-0.180 χ^2/NDF:1063854.5/19

All: 709.844+/-0.132 χ^2/NDF: 1941212.6/35

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -770.574+/-672.970 χ^2/NDF:0.0/0

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

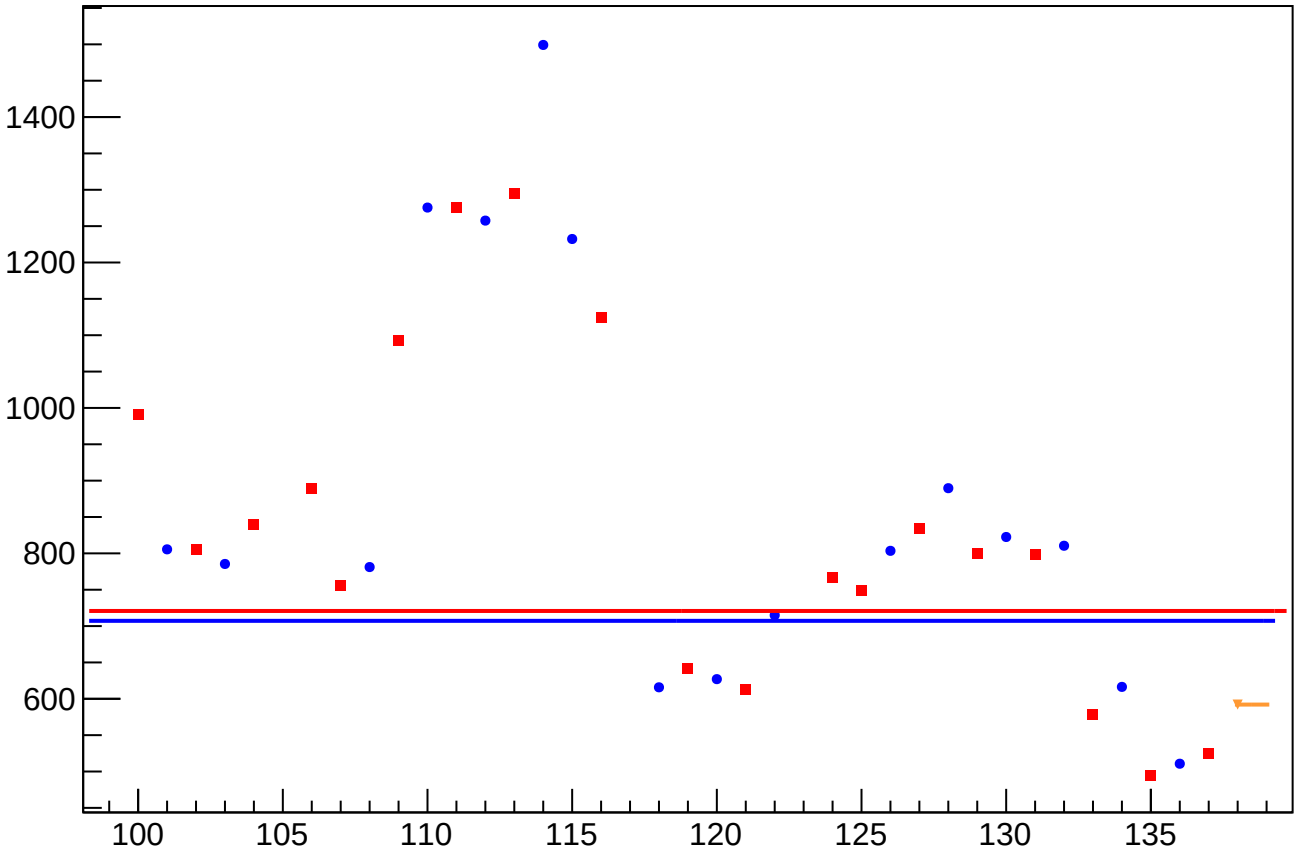
Left: -770.574+/-672.970 χ^2/NDF: 0.0/0

Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 284.780+/-271.944 χ^2/NDF:12.8/15

Out: 182.487+/-253.455 χ^2/NDF:16.4/19

All: 230.038+/-185.412 χ^2/NDF: 29.3/35



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 592.053+/-0.476 χ^2/NDF:0.0/0

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

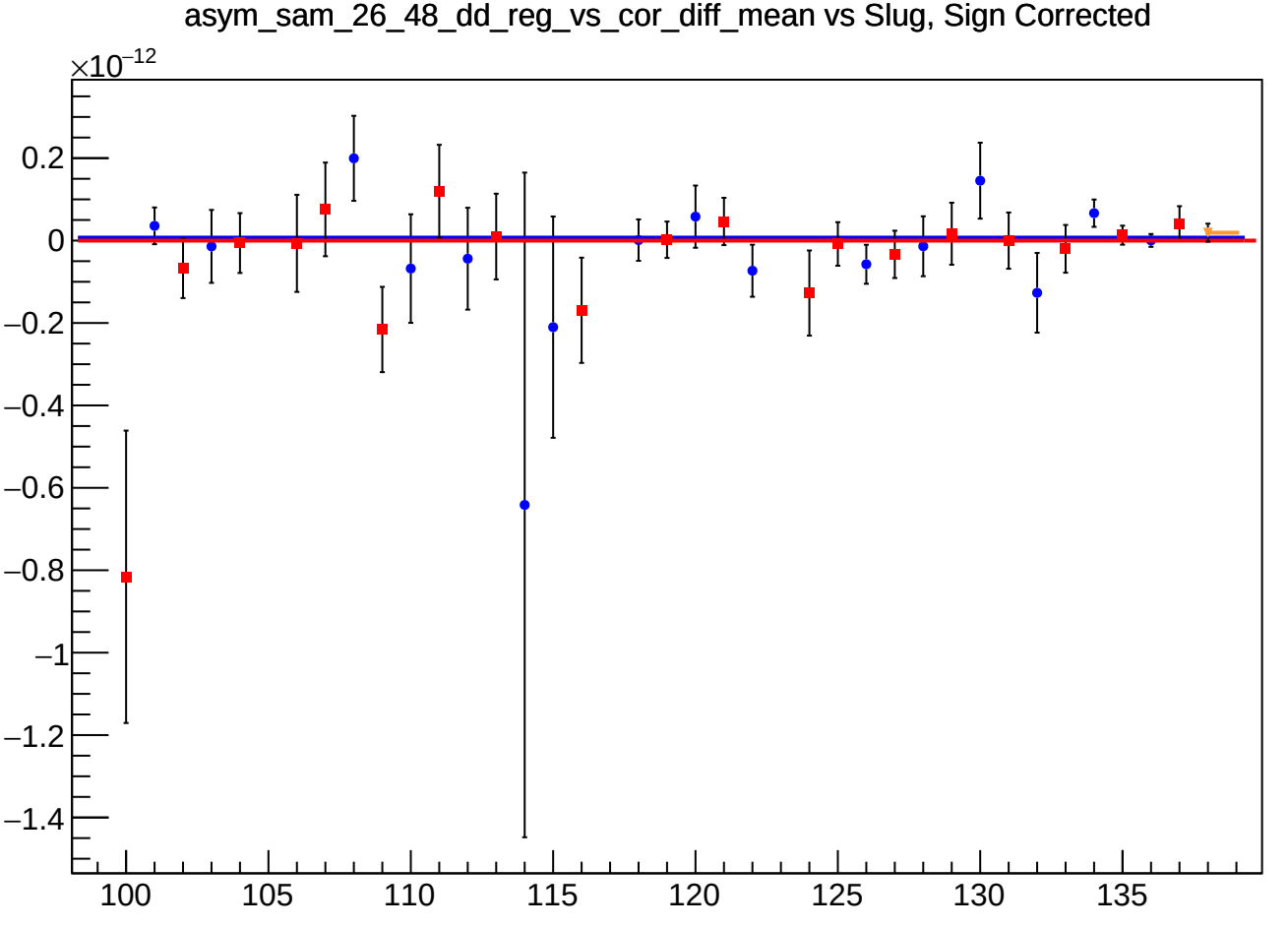
Left: 592.053+/-0.476 χ^2/NDF: 0.0/0

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 707.209+/-0.192 χ^2/NDF:896689.9/15

Out: 702.519+/-0.179 χ^2/NDF:1078073.2/19

All: 704.699+/-0.131 χ^2/NDF: 1975081.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

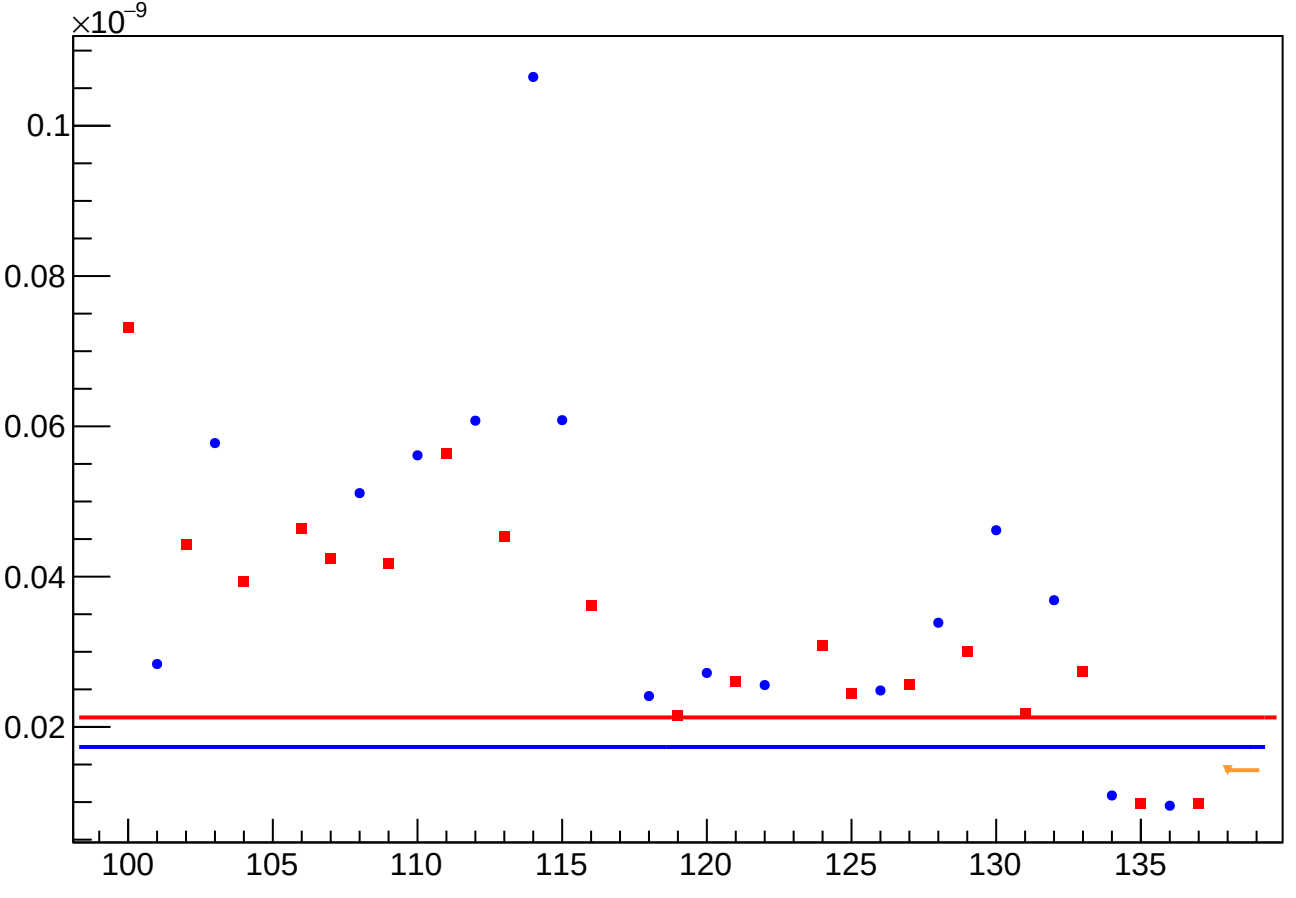
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:17.3/15

Out: 0.000+/-0.000 χ^2/NDF:18.4/19

All: 0.000+/-0.000 χ^2/NDF: 35.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

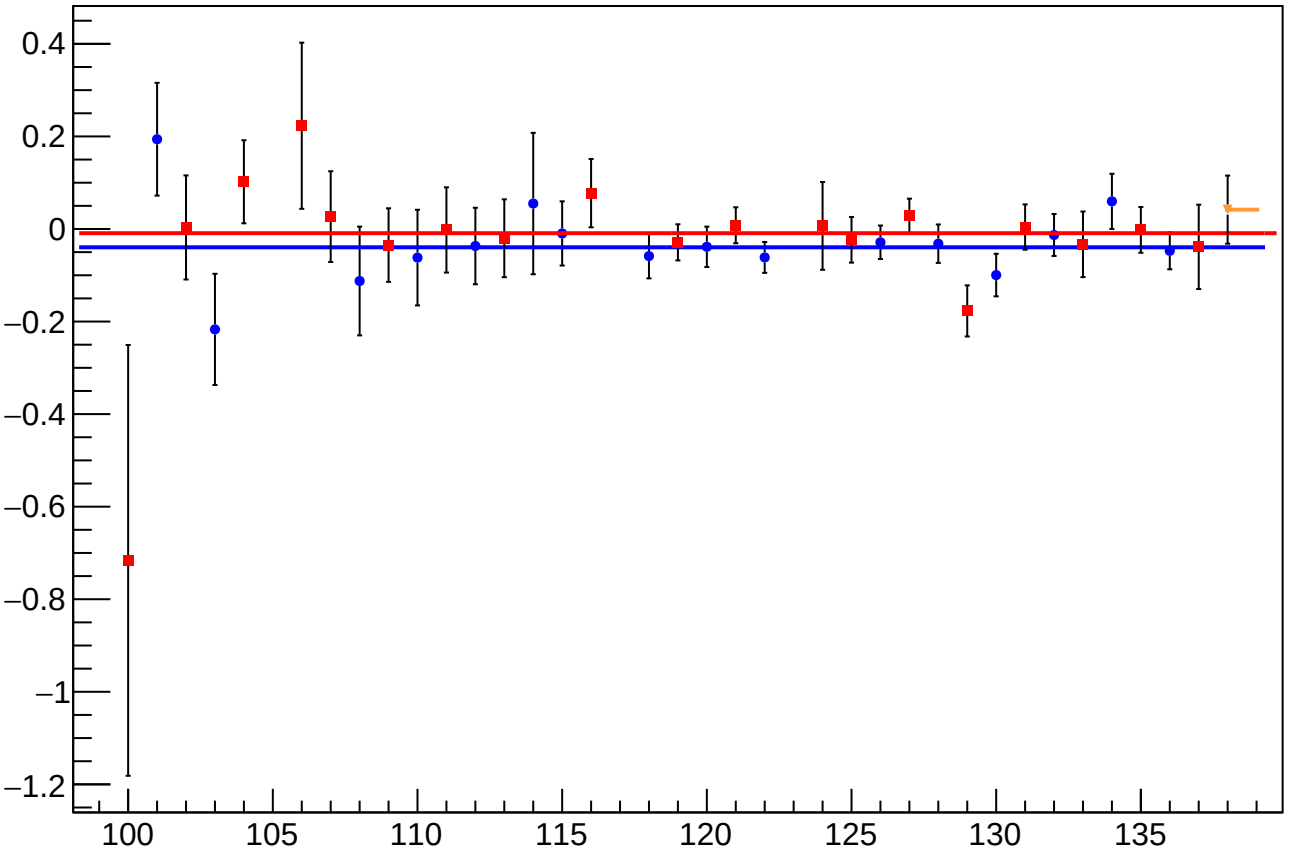
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:2368825.4/15

Out: 0.000+/-0.000 χ^2/NDF:1821021.0/19

All: 0.000+/-0.000 χ^2/NDF: 4220861.1/35



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.042+/-0.074 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

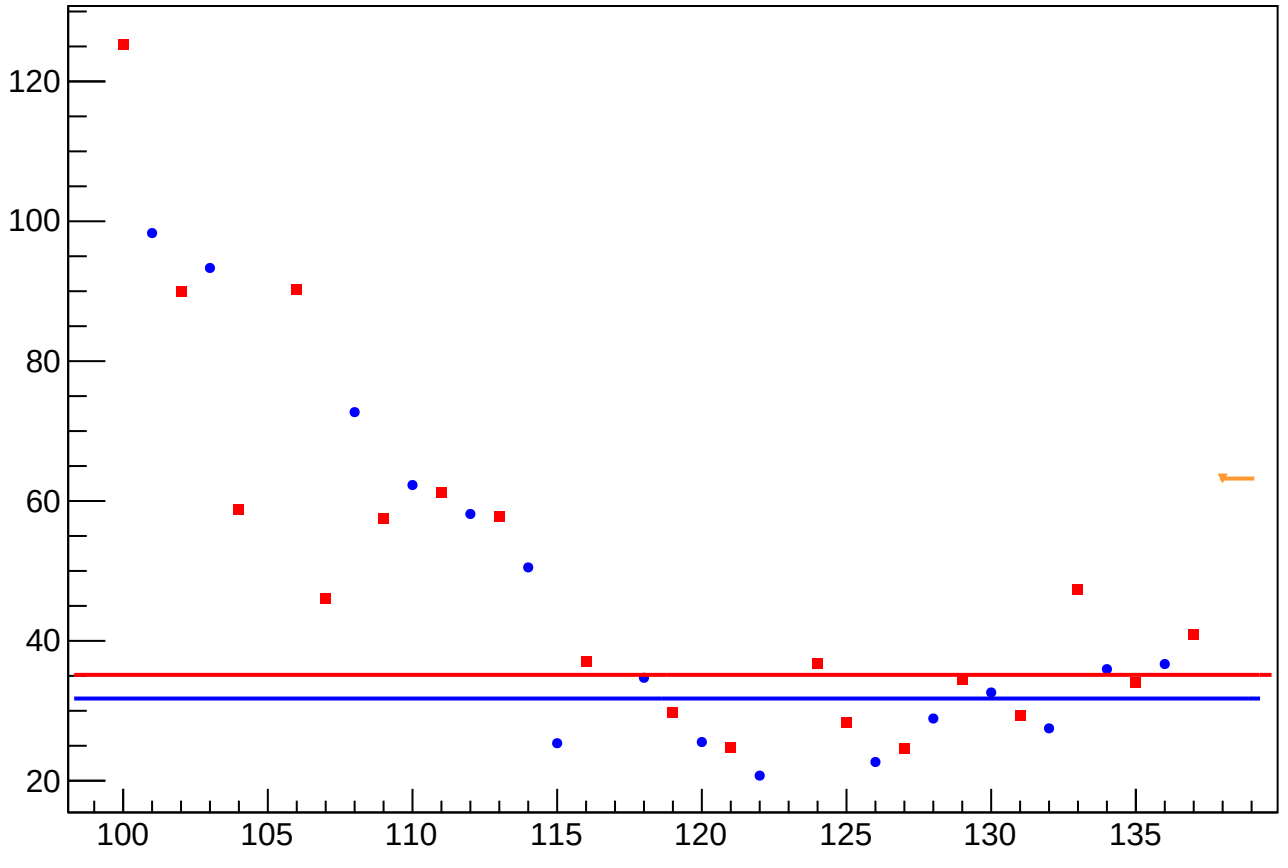
Left: 0.042+/-0.074 χ^2/NDF: 0.0/0

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.040+/-0.013 χ^2/NDF:12.4/15

Out: -0.007+/-0.014 χ^2/NDF:18.8/19

All: -0.024+/-0.010 χ^2/NDF: 34.0/35



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 63.211+/-0.052 χ^2/NDF:0.0/0

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

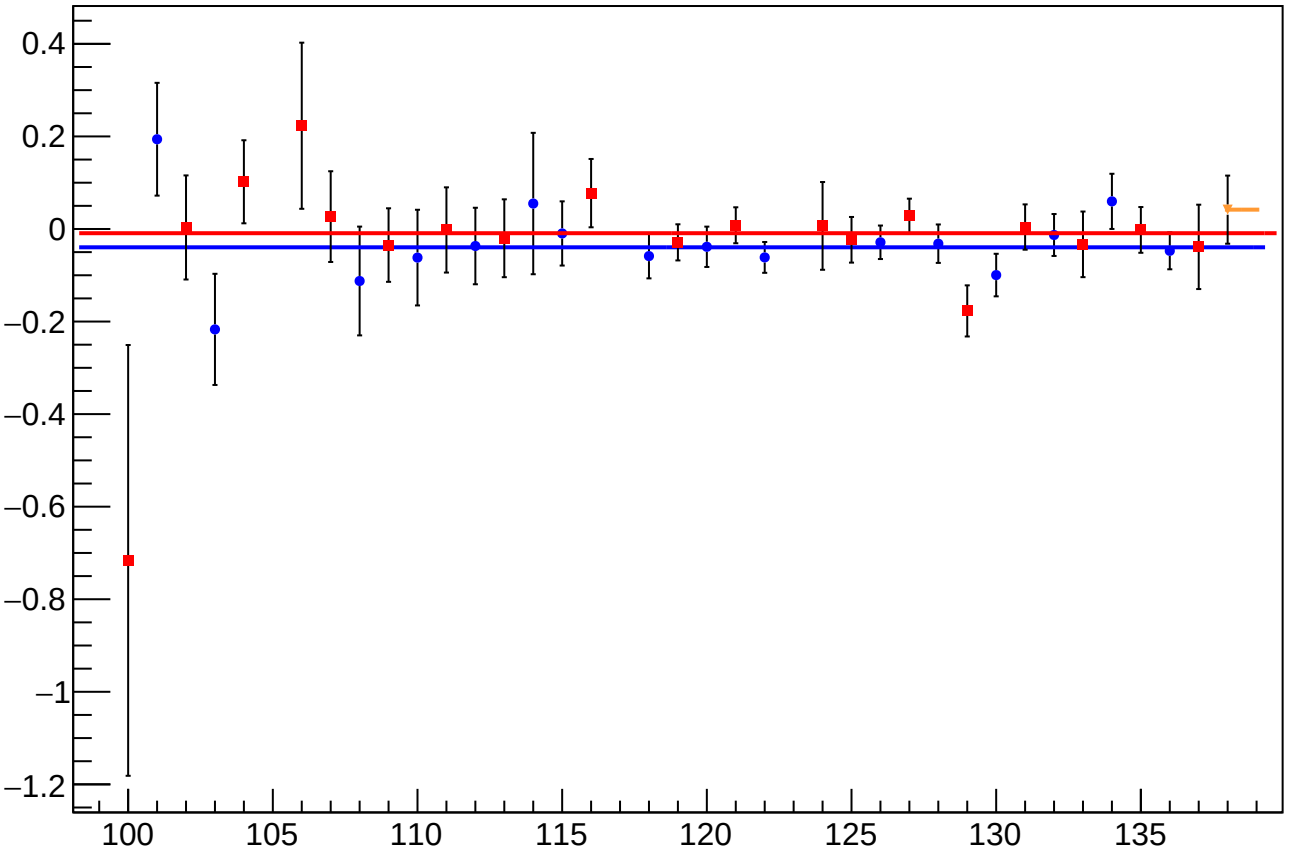
Left: 63.211+/-0.052 χ^2/NDF: 0.0/0

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 31.755+/-0.009 χ^2/NDF:2252399.3/15

Out: 36.143+/-0.010 χ^2/NDF:2125336.9/19

All: 33.828+/-0.007 χ^2/NDF: 4482702.6/35



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.042+/-0.074 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

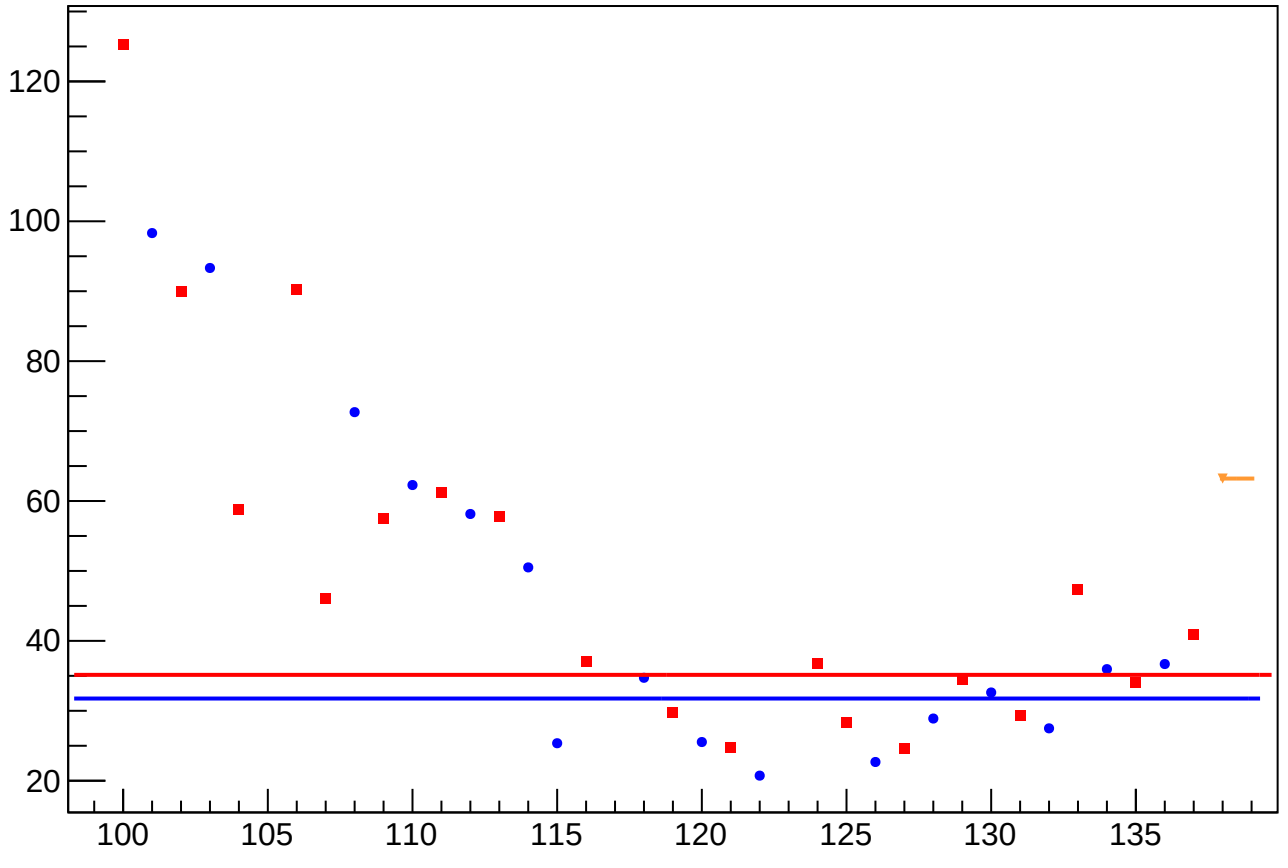
Left: 0.042+/-0.074 χ^2/NDF: 0.0/0

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.040+/-0.013 χ^2/NDF:12.4/15

Out: -0.007+/-0.014 χ^2/NDF:18.8/19

All: -0.024+/-0.010 χ^2/NDF: 34.0/35



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 63.211+/-0.052 χ^2/NDF:0.0/0

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 63.211+/-0.052 χ^2/NDF: 0.0/0

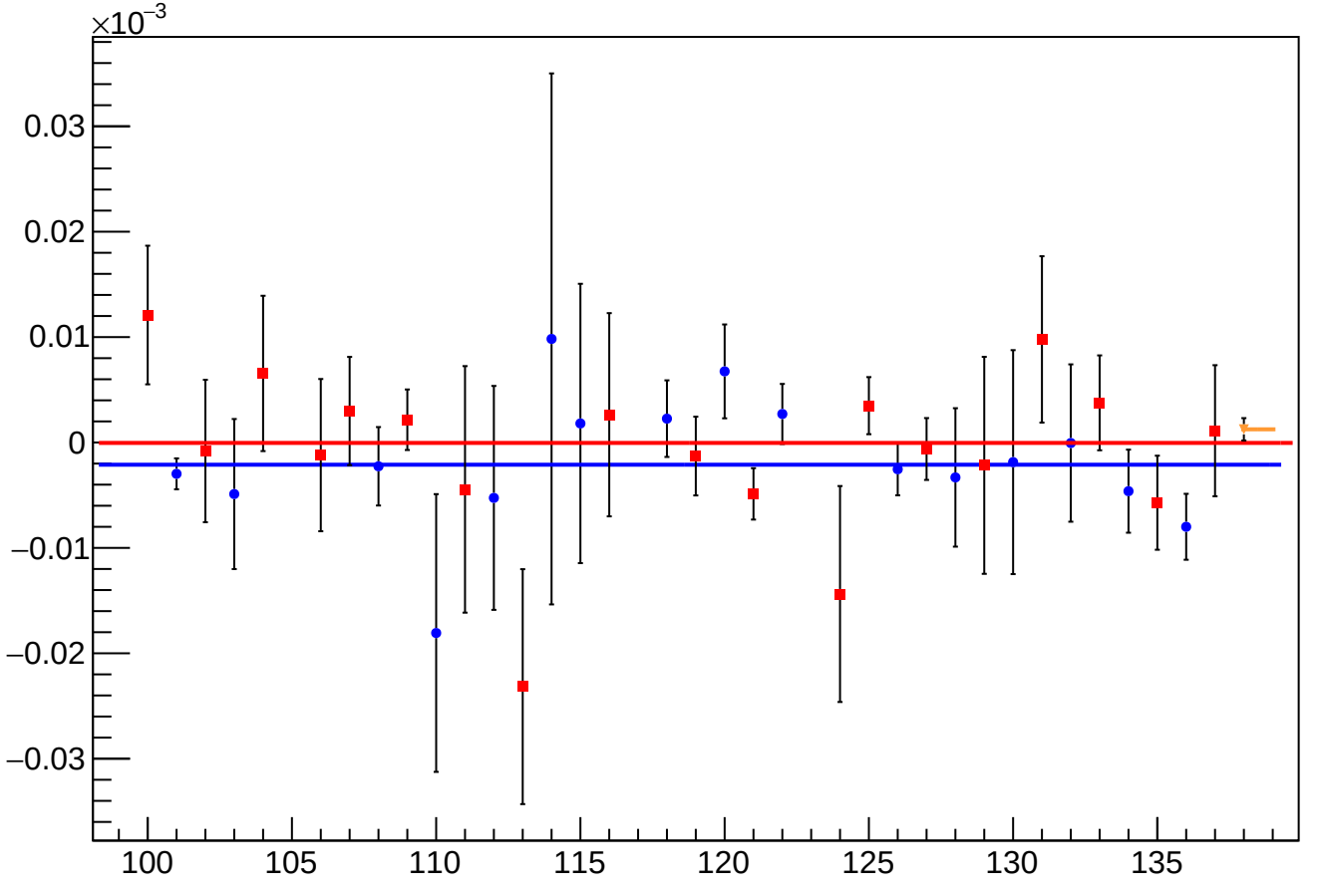
Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 31.755+/-0.009 χ^2/NDF:2252399.3/15

Out: 36.143+/-0.010 χ^2/NDF:2125336.9/19

All: 33.828+/-0.007 χ^2/NDF: 4482702.6/35

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

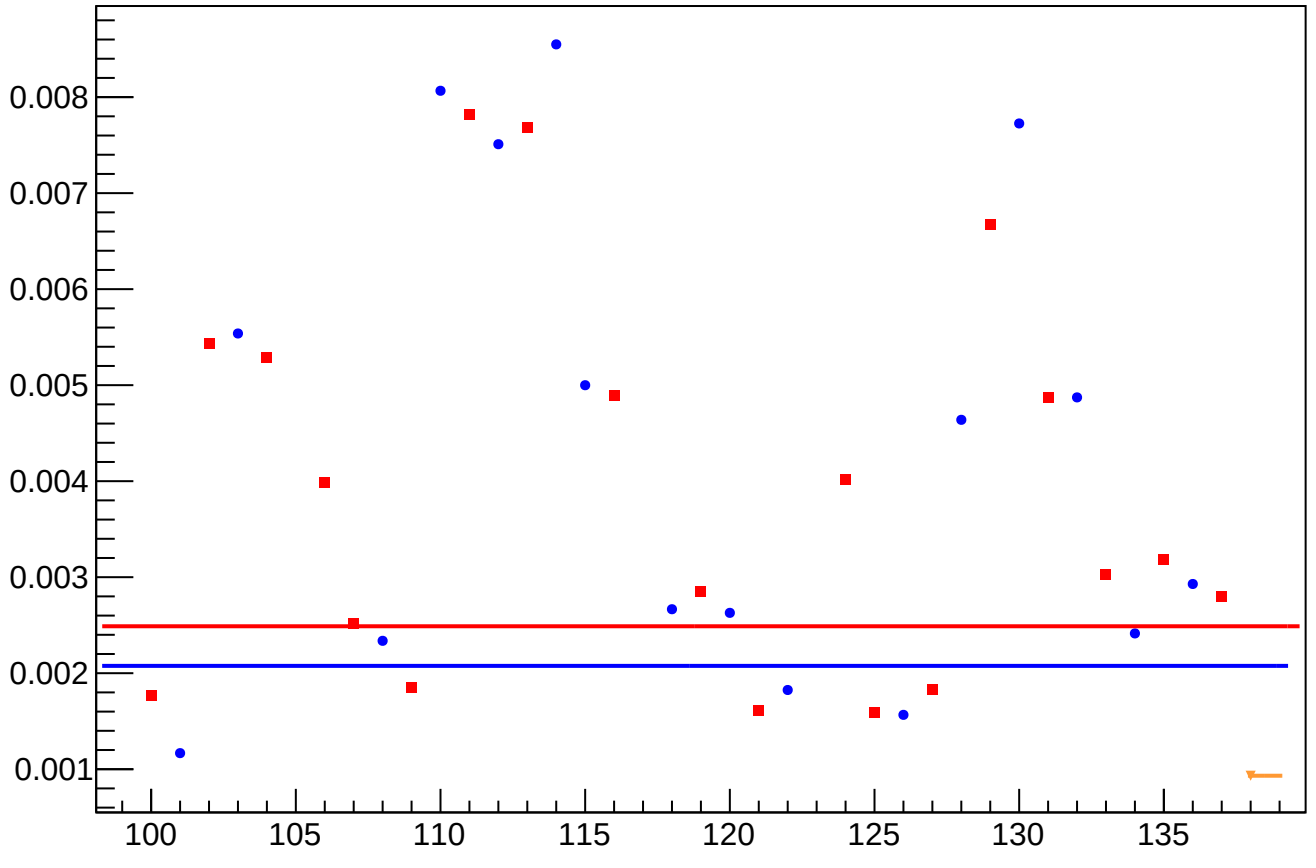
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:14.7/15

Out: 0.000+/-0.000 χ^2/NDF:22.2/19

All: -0.000+/-0.000 χ^2/NDF: 42.2/35



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

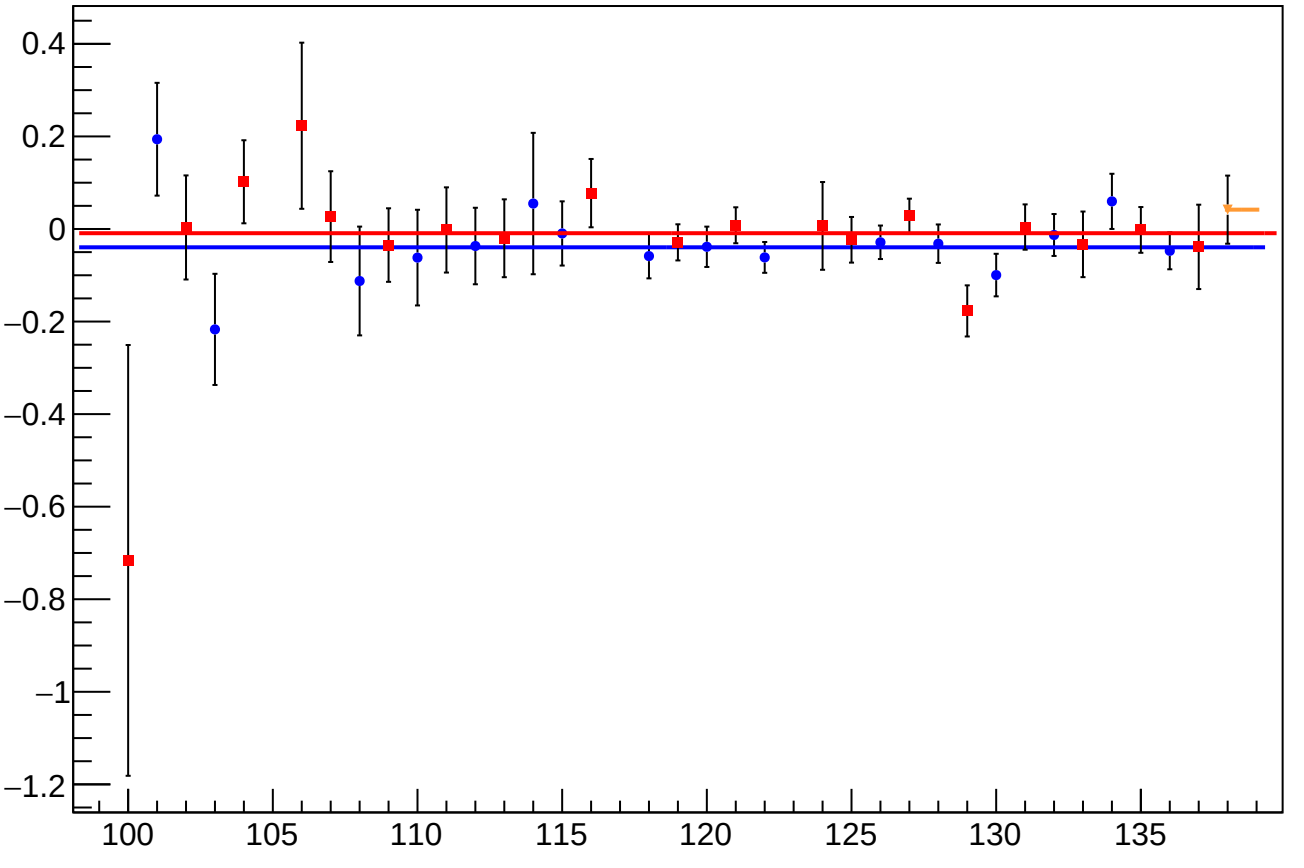
Left: 0.001+/-0.000 χ^2/NDF: 0.0/0

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.002+/-0.000 χ^2/NDF:3916668.9/15

Out: 0.002+/-0.000 χ^2/NDF:5282270.9/19

All: 0.002+/-0.000 χ^2/NDF: 9377977.9/35



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.042+/-0.074 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.042+/-0.074 χ^2/NDF: 0.0/0

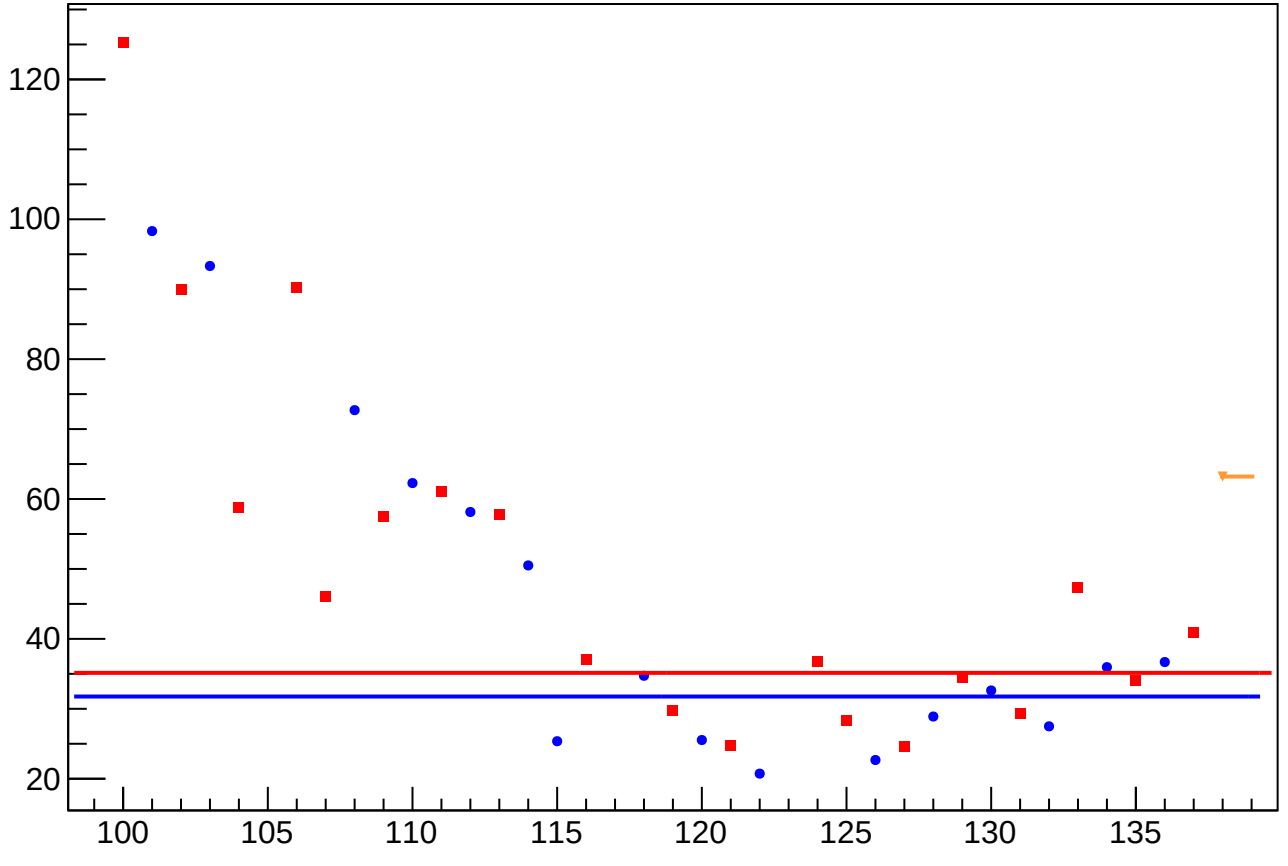
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.040+/-0.013 χ^2/NDF:12.4/15

Out: -0.007+/-0.014 χ^2/NDF:18.8/19

All: -0.024+/-0.010 χ^2/NDF: 34.0/35

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 63.211+/-0.052 χ^2/NDF:0.0/0

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 63.211+/-0.052 χ^2/NDF: 0.0/0

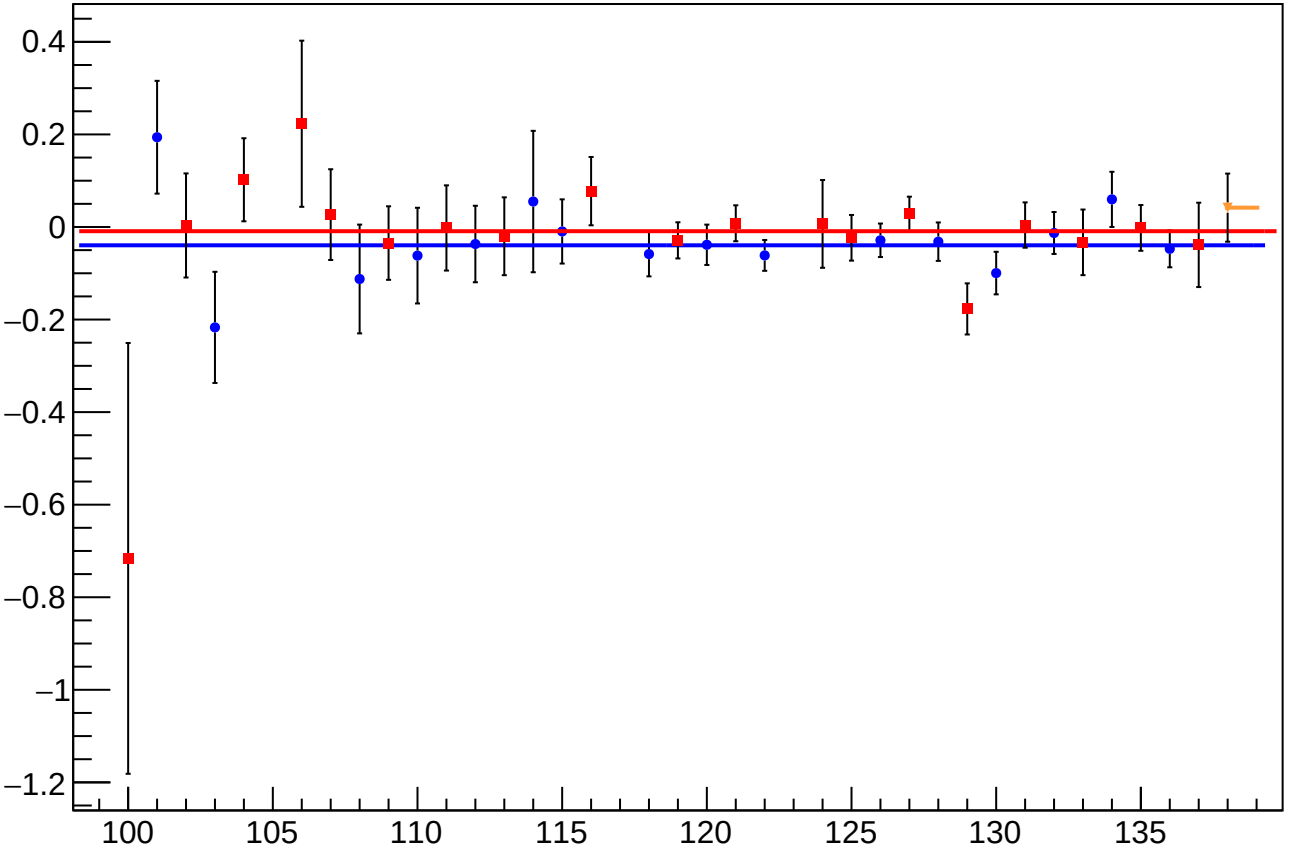
Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 31.756+/-0.009 χ^2/NDF:2252373.4/15

Out: 36.143+/-0.010 χ^2/NDF:2125224.6/19

All: 33.828+/-0.007 χ^2/NDF: 4482567.7/35

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.042+/-0.074 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.042+/-0.074 χ^2/NDF: 0.0/0

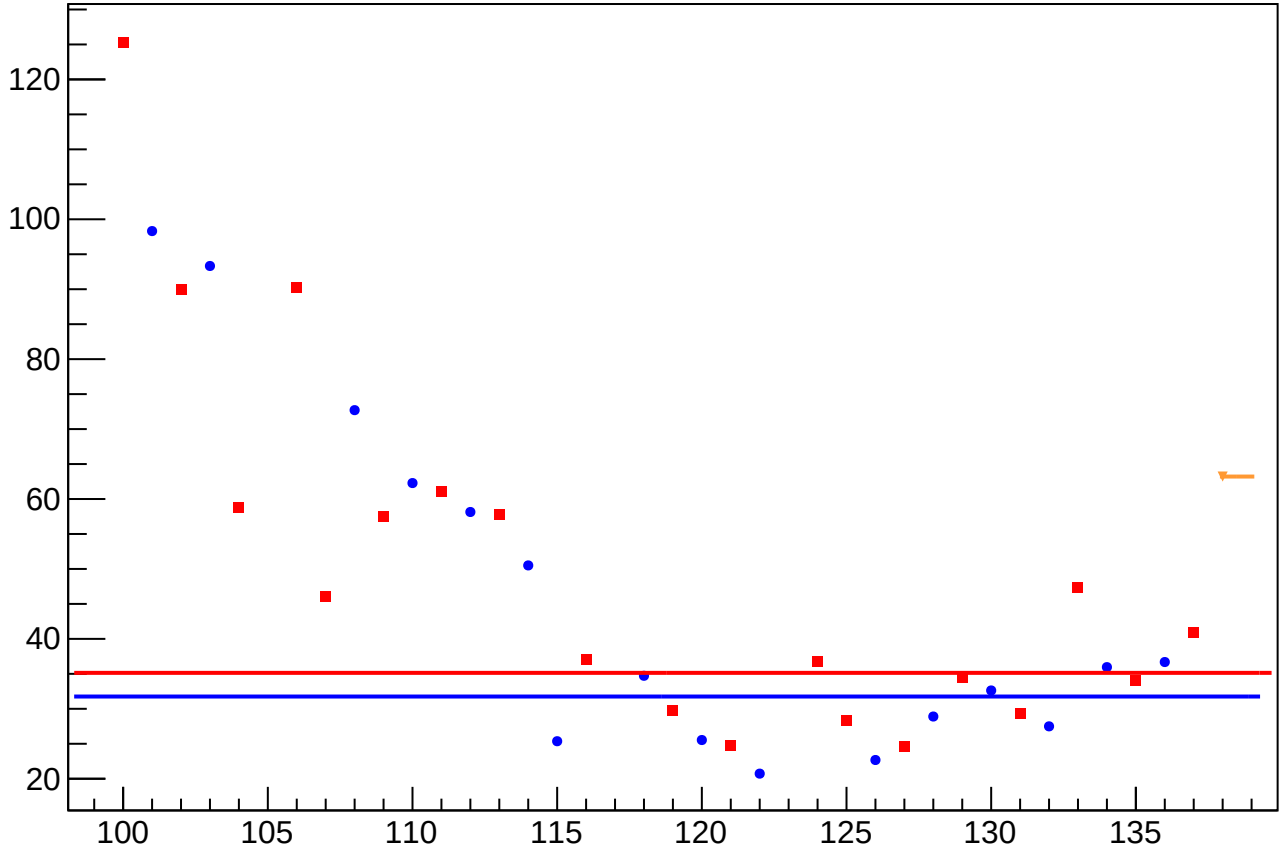
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.040+/-0.013 χ^2/NDF:12.4/15

Out: -0.007+/-0.014 χ^2/NDF:18.8/19

All: -0.024+/-0.010 χ^2/NDF: 34.0/35

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 63.211+/-0.052 χ^2/NDF:0.0/0

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

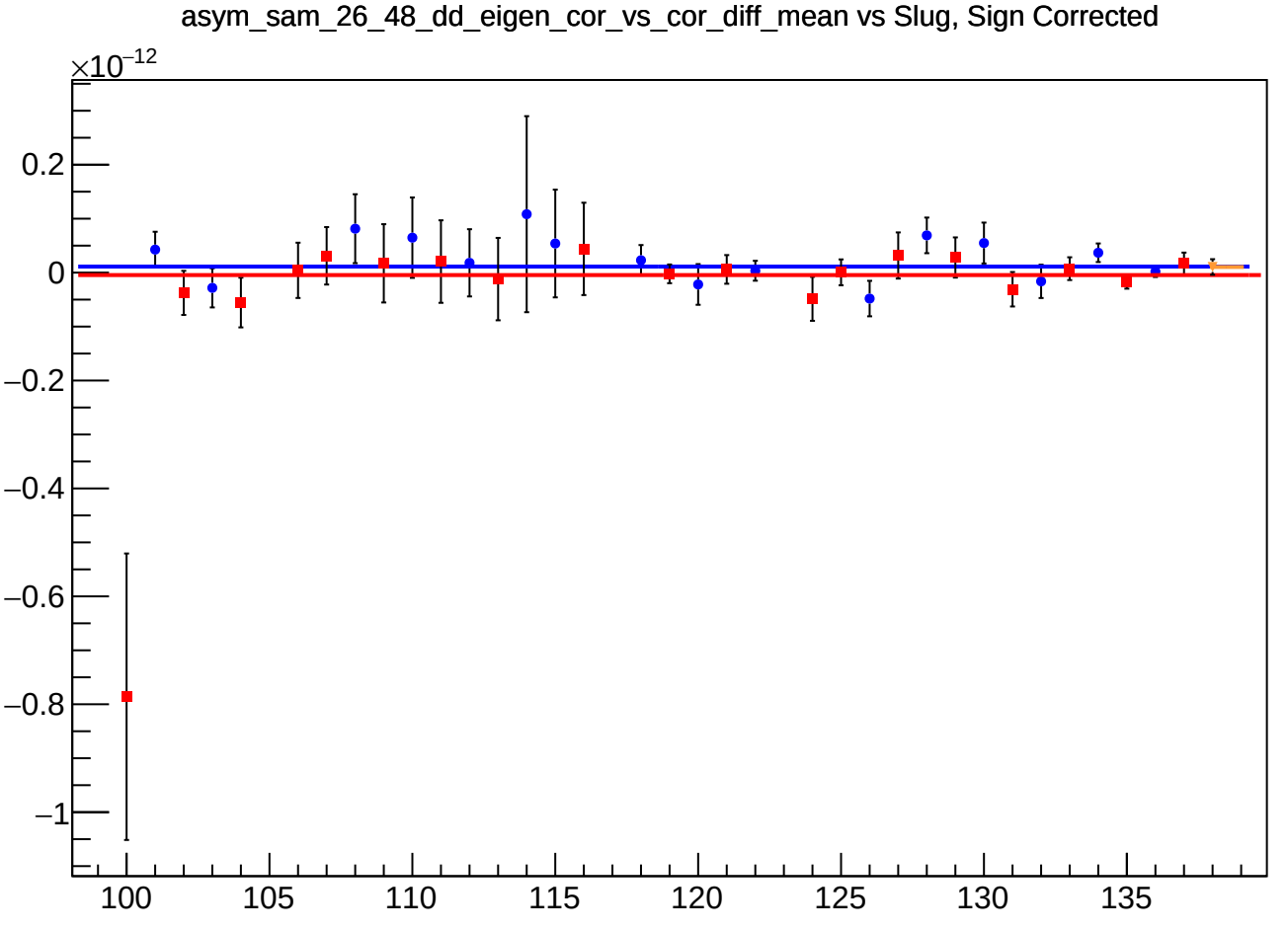
Left: 63.211+/-0.052 χ^2/NDF: 0.0/0

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 31.756+/-0.009 χ^2/NDF:2252373.4/15

Out: 36.143+/-0.010 χ^2/NDF:2125224.6/19

All: 33.828+/-0.007 χ^2/NDF: 4482567.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

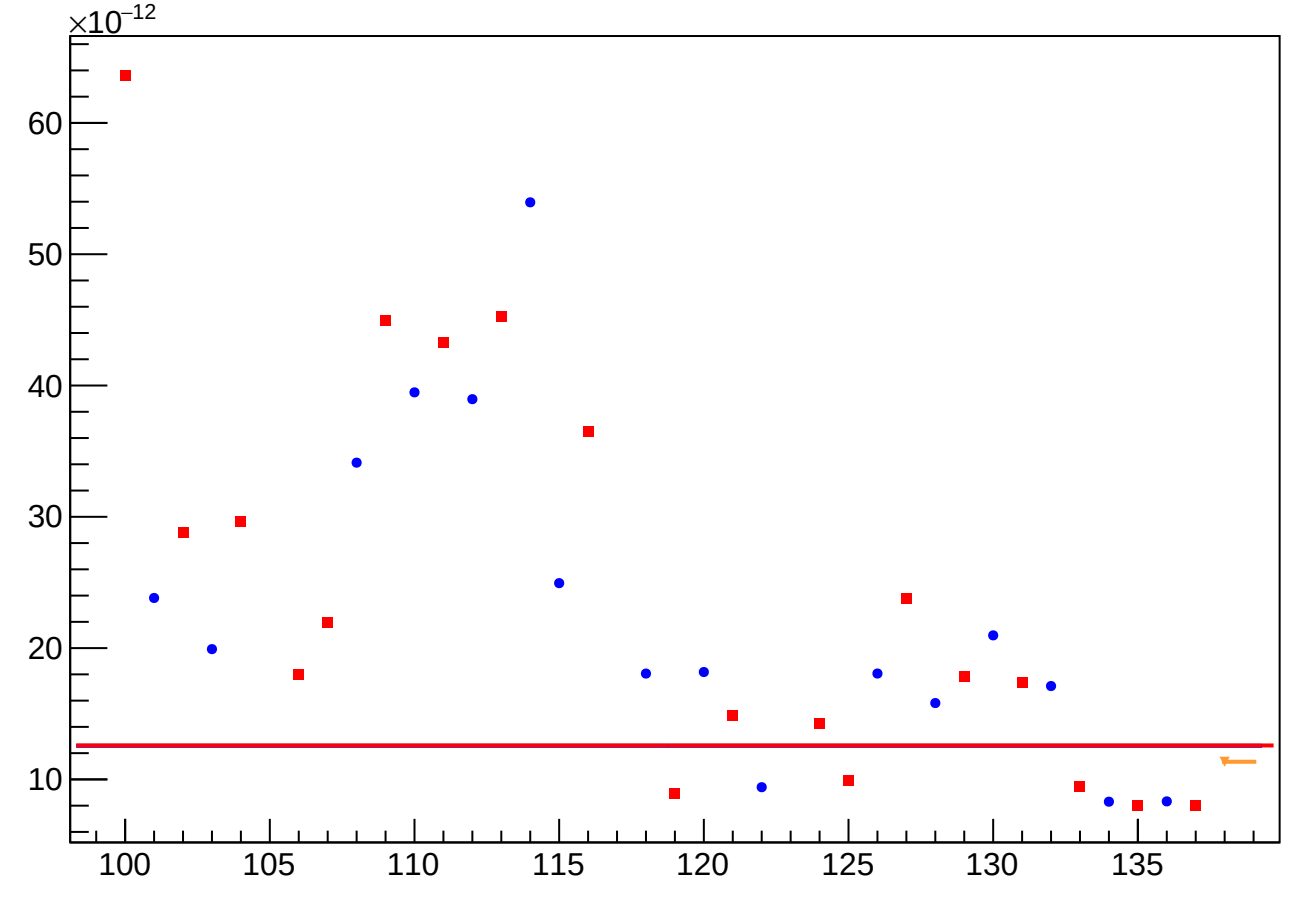
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:16.9/15

Out: -0.000+/-0.000 χ^2/NDF:18.4/19

All: 0.000+/-0.000 χ^2/NDF: 37.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

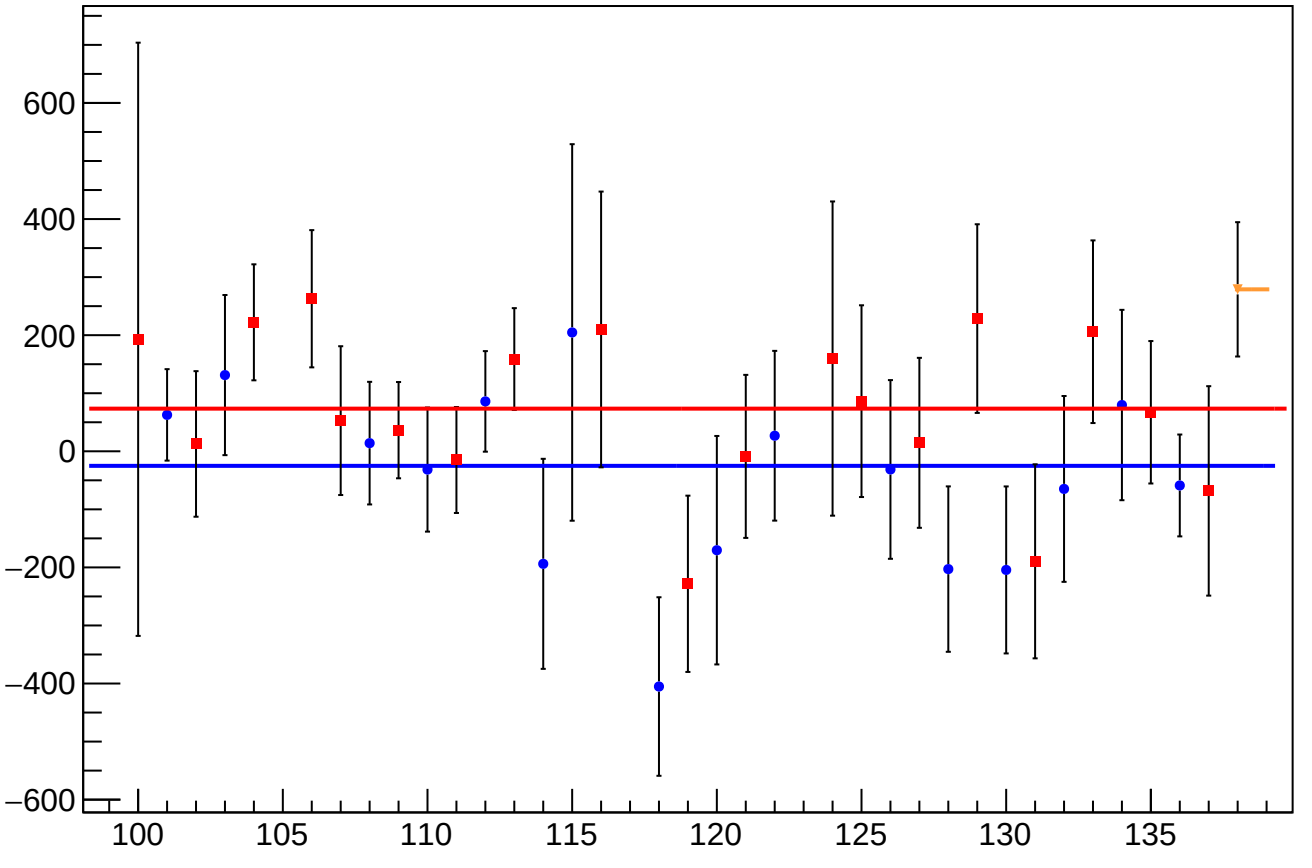
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:2164553.4/15

Out: 0.000+/-0.000 χ^2/NDF:2760145.4/19

All: 0.000+/-0.000 χ^2/NDF: 4925659.8/35



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 278.946+/-115.687 χ^2/NDF:0.0/0

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

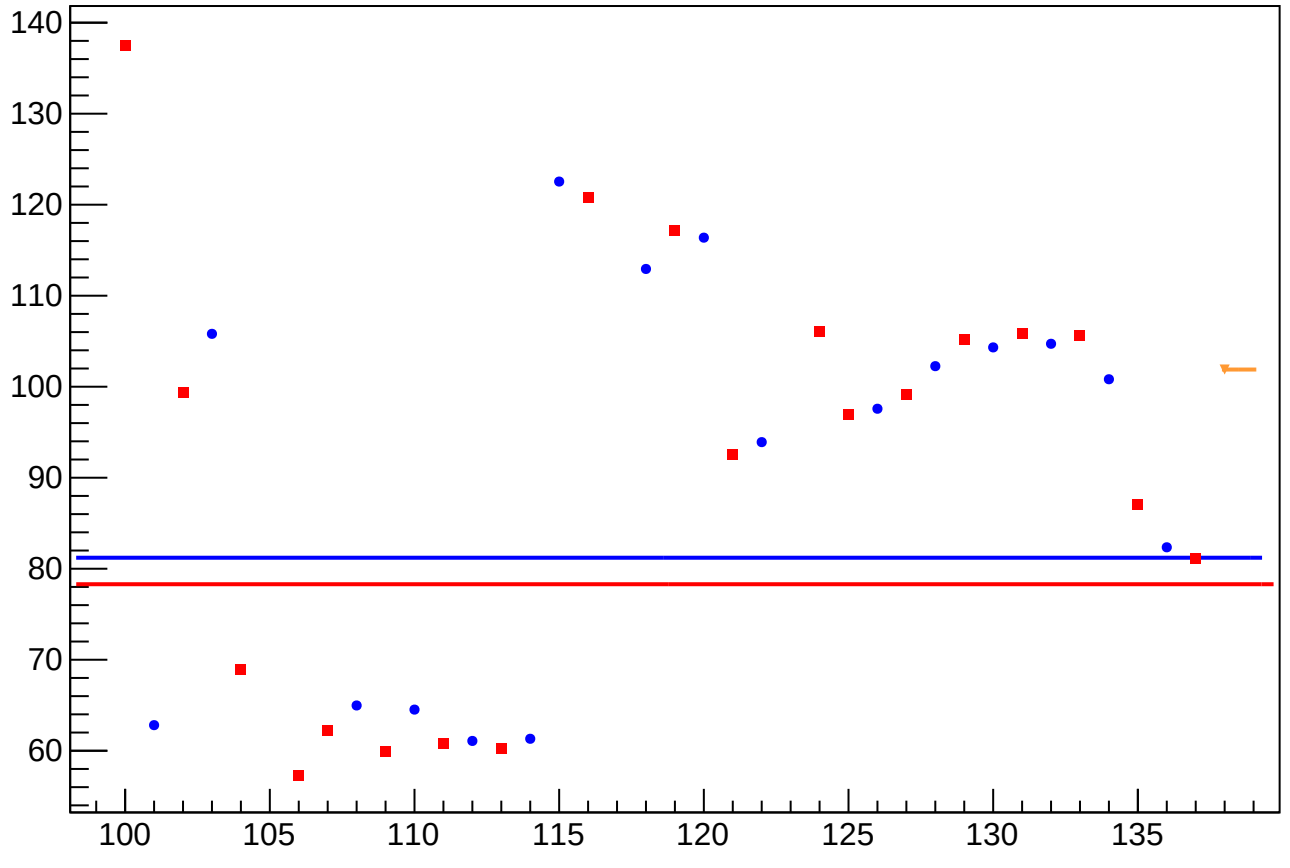
Left: 278.946+/-115.687 χ^2/NDF: 0.0/0

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -25.072+/-31.230 χ^2/NDF:16.2/15

Out: 86.353+/-28.980 χ^2/NDF:19.8/19

All: 34.797+/-21.243 χ^2/NDF: 42.8/35



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 101.887+/-0.082 χ^2/NDF:0.0/0

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 101.887+/-0.082 χ^2/NDF: 0.0/0

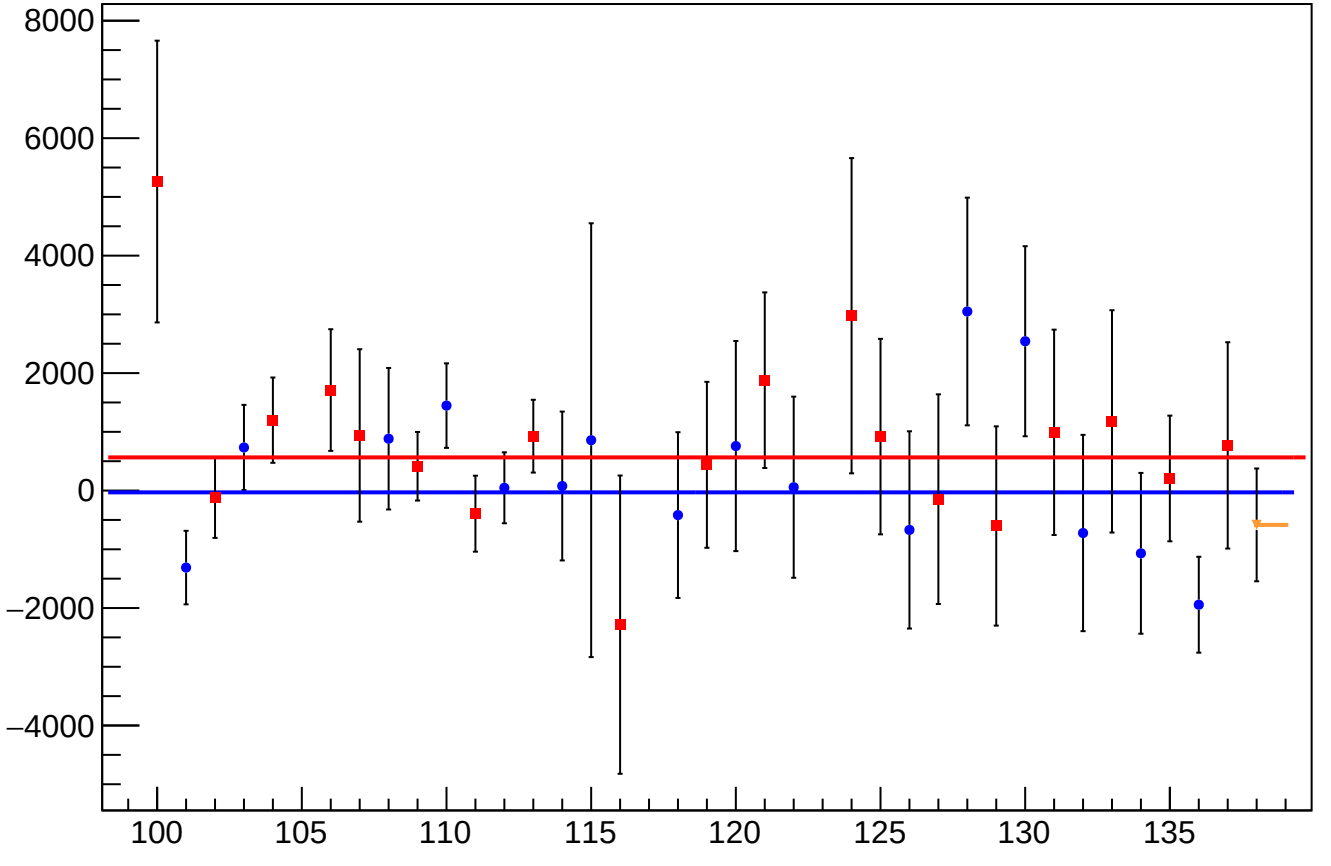
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 81.210+/-0.022 χ^2/NDF:787676.9/15

Out: 79.778+/-0.020 χ^2/NDF:1012609.6/19

All: 80.440+/-0.015 χ^2/NDF: 1802543.9/35

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: -584.386+/-960.102 χ^2/NDF:0.0/0

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -584.386+/-960.102 χ^2/NDF: 0.0/0

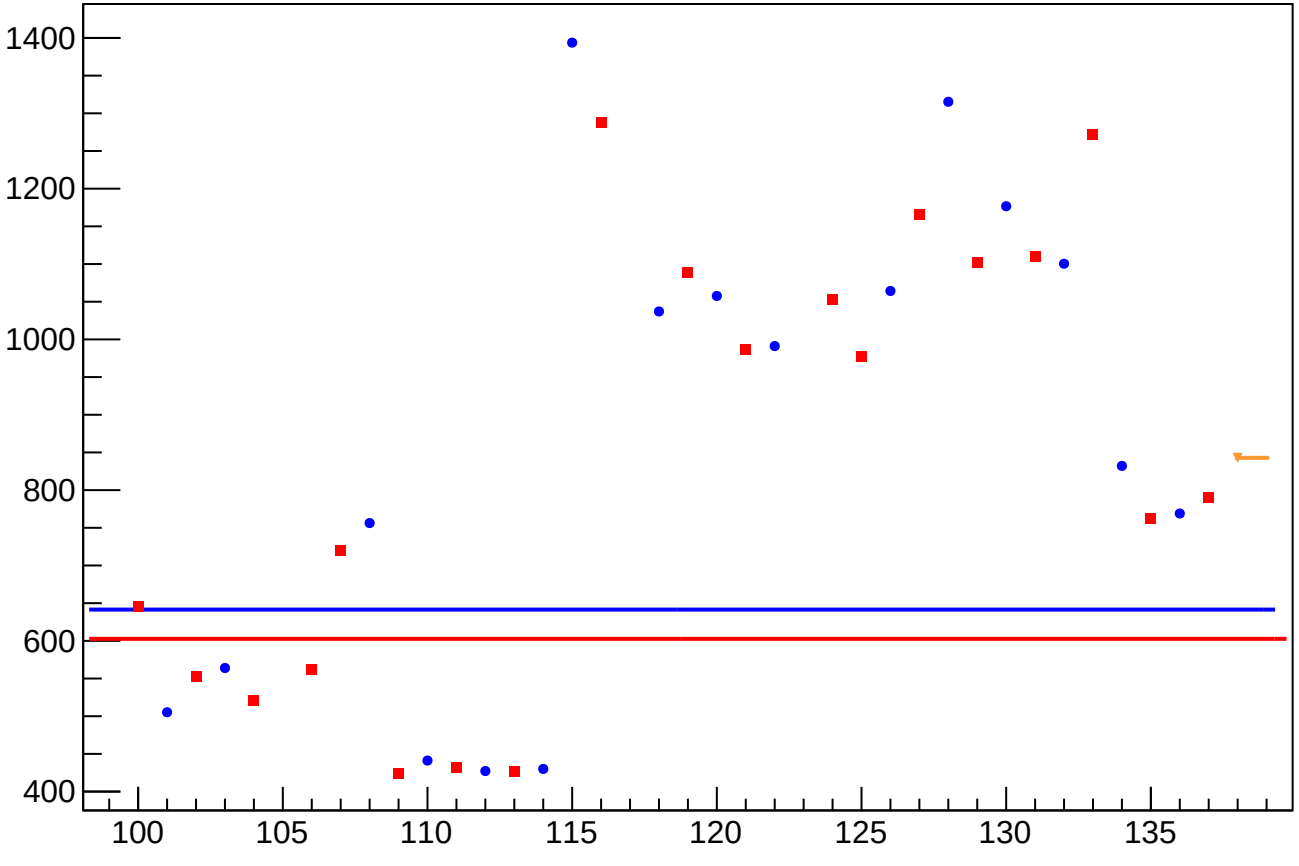
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: -30.407+/-256.999 χ^2/NDF:21.9/15

Out: 498.097+/-231.458 χ^2/NDF:14.6/19

All: 261.405+/-171.989 χ^2/NDF: 38.9/35

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: 842.823+/-0.679 χ^2/NDF:0.0/0

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

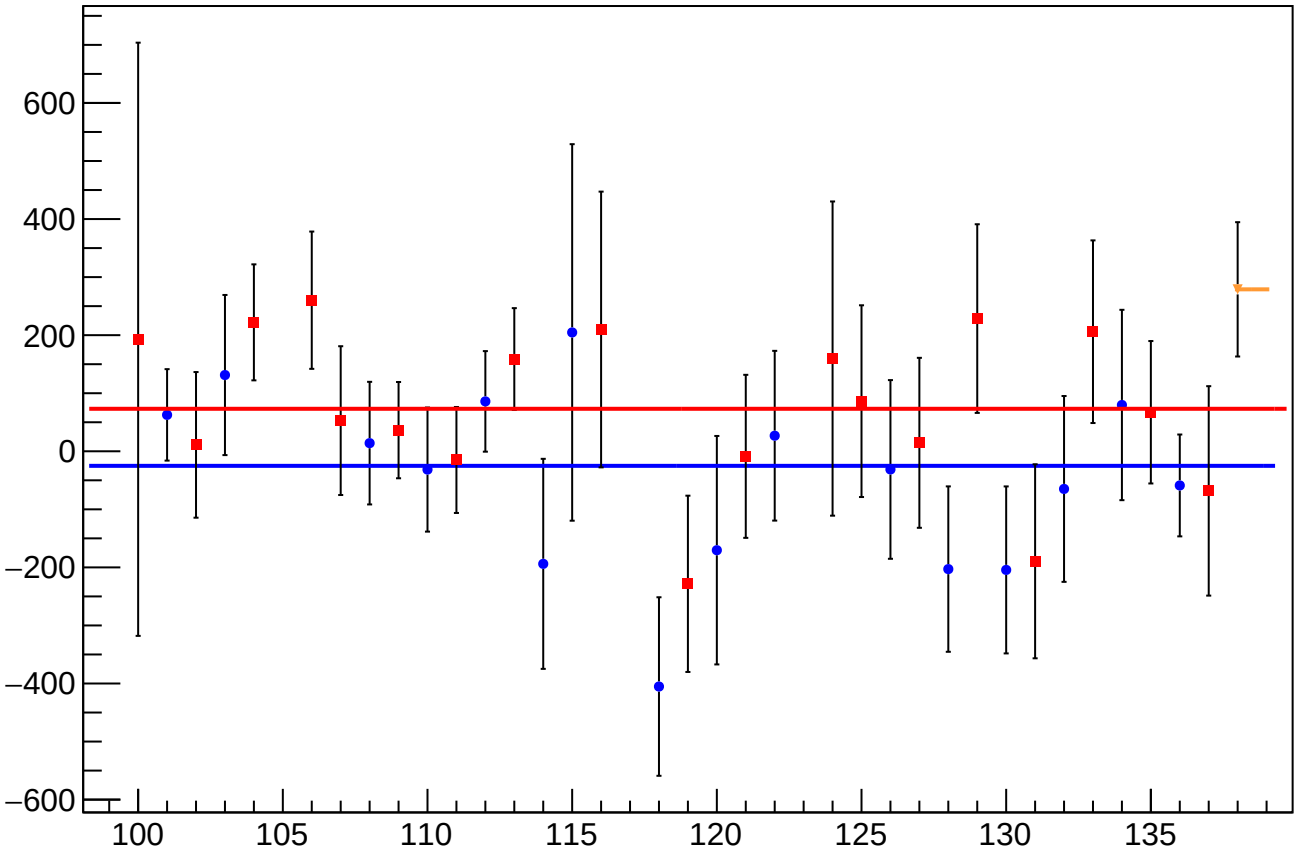
Left: 842.823+/-0.679 χ^2/NDF: 0.0/0

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 641.499+/-0.182 χ^2/NDF:1874990.8/15

Out: 616.612+/-0.164 χ^2/NDF:2188184.5/19

All: 627.757+/-0.122 χ^2/NDF: 4073530.5/35



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 278.934+/-115.687 χ^2/NDF:0.0/0

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

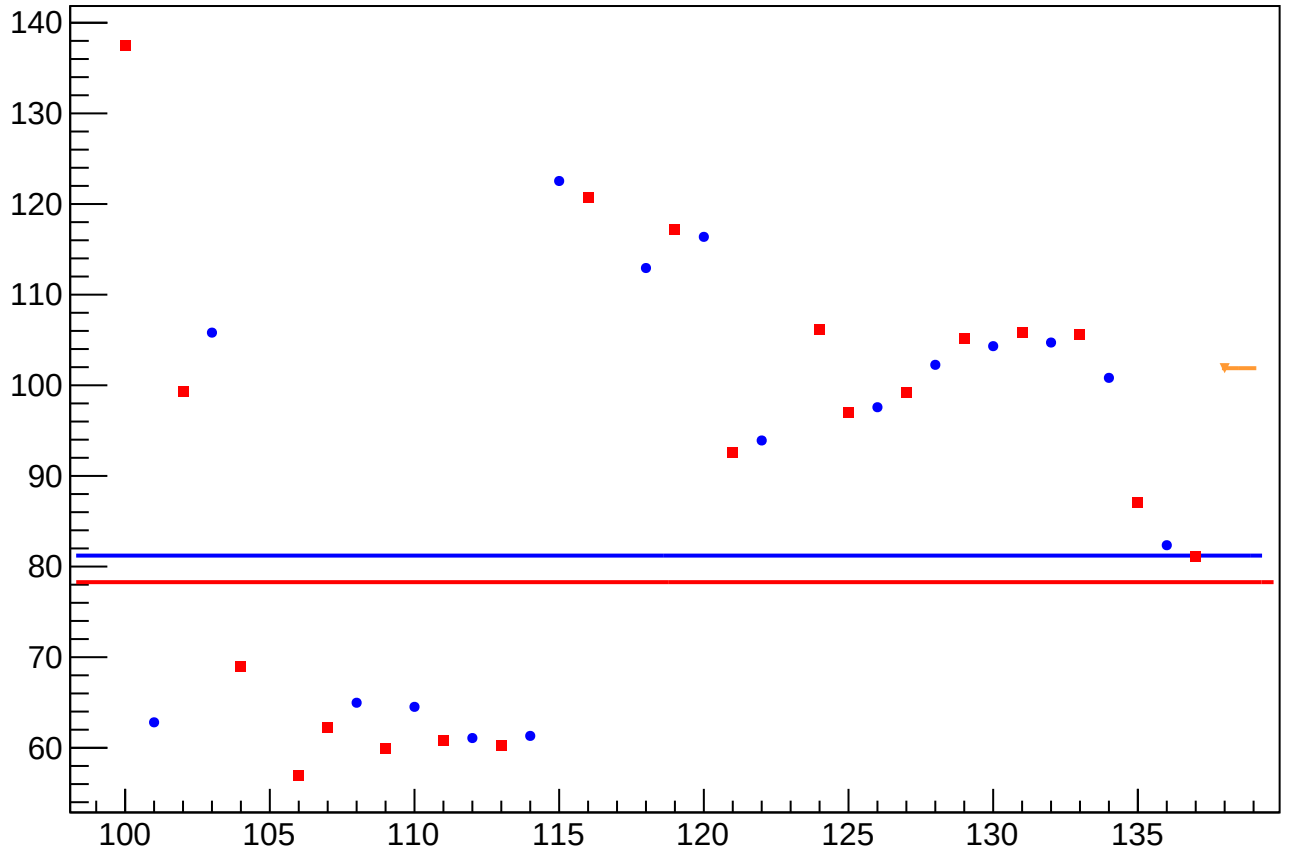
Left: 278.934+/-115.687 χ^2/NDF: 0.0/0

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -25.075+/-31.230 χ^2/NDF:16.2/15

Out: 86.105+/-28.982 χ^2/NDF:19.7/19

All: 34.660+/-21.244 χ^2/NDF: 42.7/35



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 101.887+/-0.082 χ^2/NDF:0.0/0

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

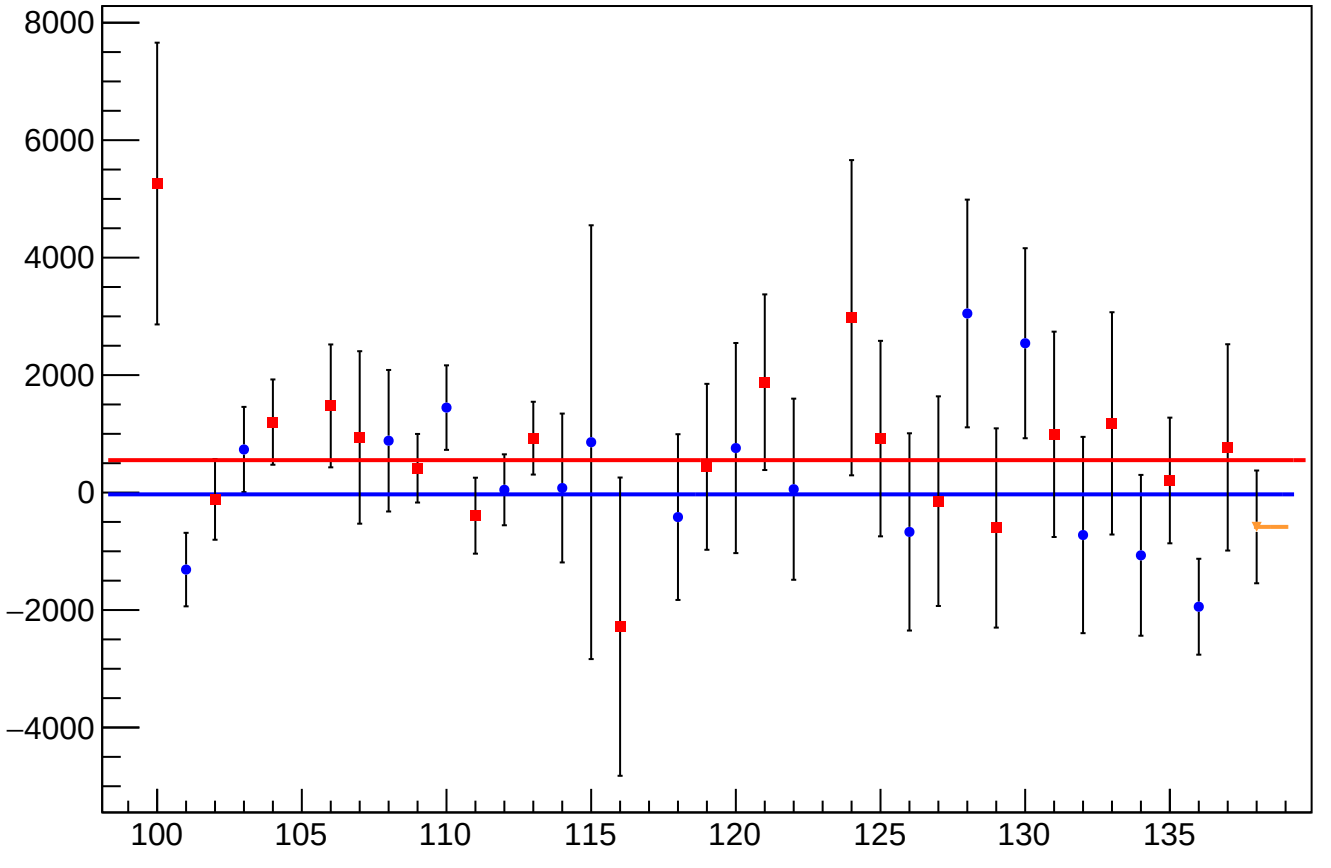
Left: 101.887+/-0.082 χ^2/NDF: 0.0/0

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 81.210+/-0.022 χ^2/NDF:787679.3/15

Out: 79.761+/-0.020 χ^2/NDF:1014870.5/19

All: 80.431+/-0.015 χ^2/NDF: 1804862.1/35



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -584.404+/-960.102 χ^2/NDF:0.0/0

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

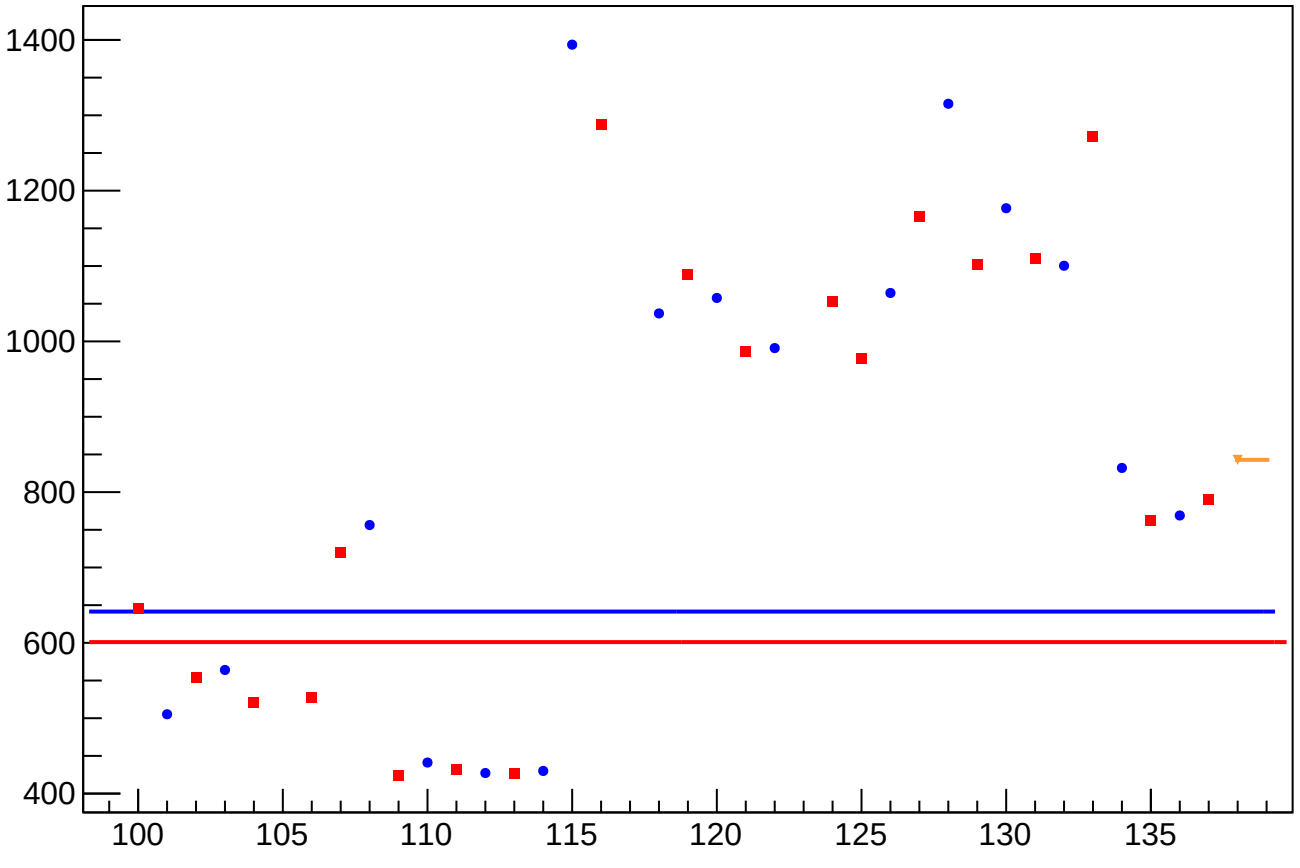
Left: -584.404+/-960.102 χ^2/NDF: 0.0/0

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: -30.434+/-257.002 χ^2/NDF:21.9/15

Out: 485.828+/-231.593 χ^2/NDF:14.1/19

All: 254.473+/-172.045 χ^2/NDF: 38.2/35



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 842.823+/-0.679 χ^2/NDF:0.0/0

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

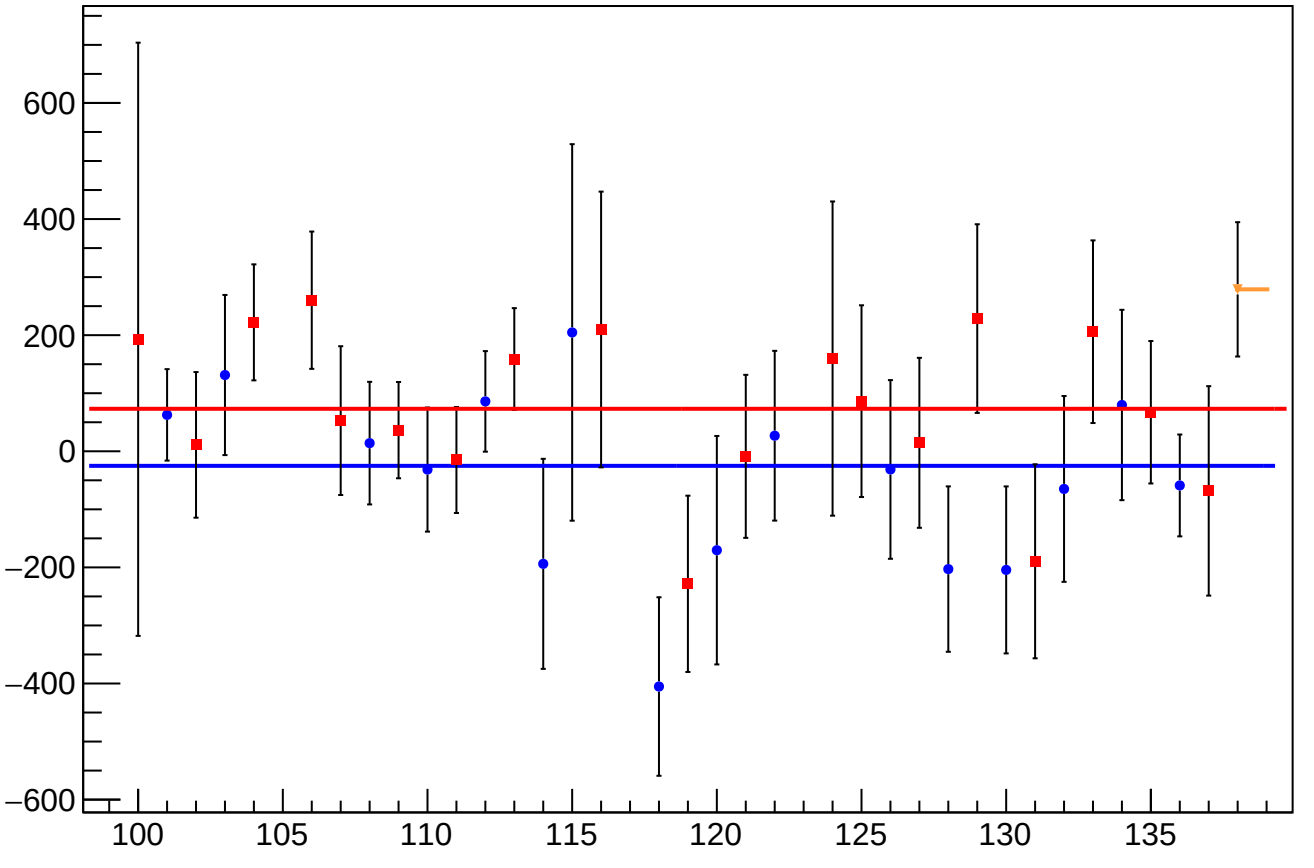
Left: 842.823+/-0.679 χ^2/NDF: 0.0/0

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 641.507+/-0.182 χ^2/NDF:1874950.0/15

Out: 615.048+/-0.164 χ^2/NDF:2196753.5/19

All: 626.905+/-0.122 χ^2/NDF: 4083403.1/35



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 278.934+/-115.687 χ^2/NDF:0.0/0

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

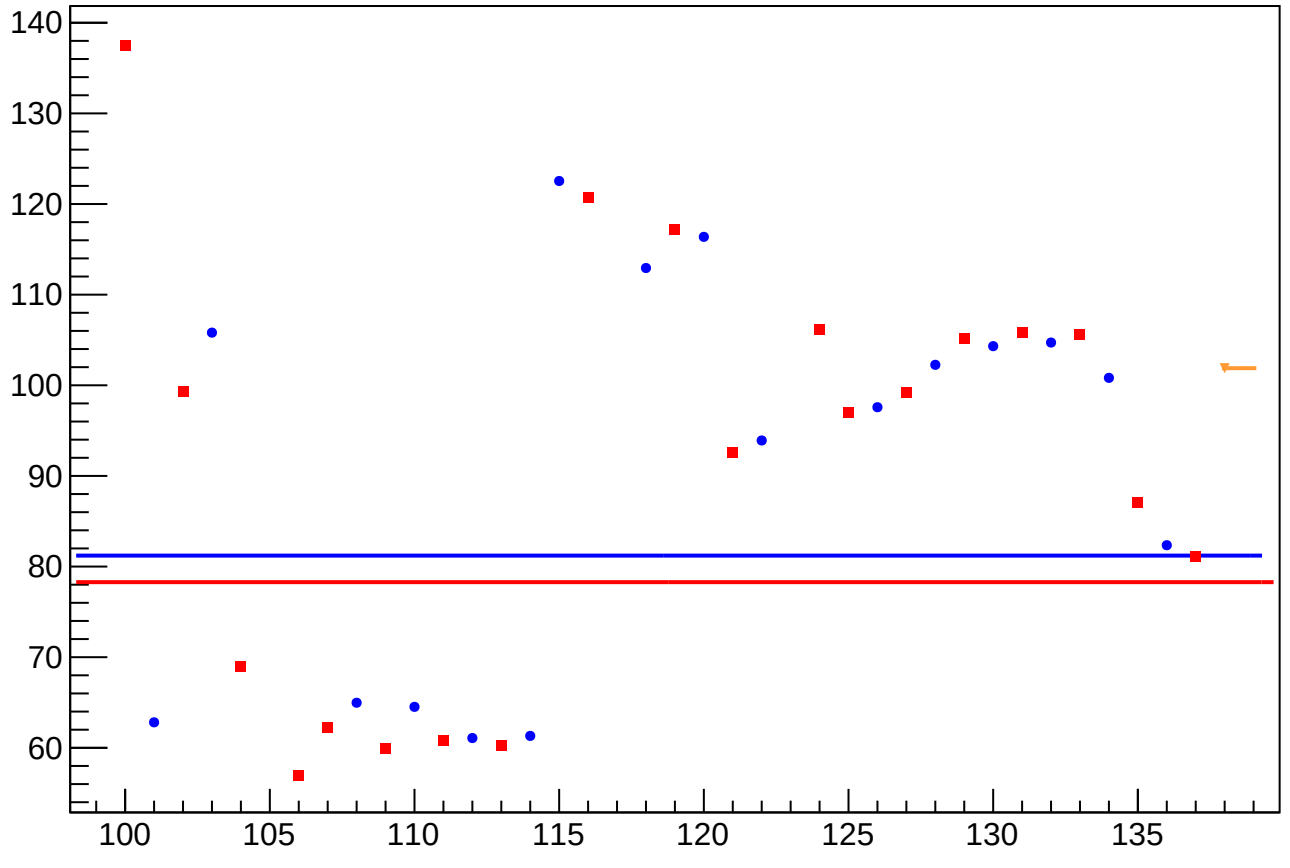
Left: 278.934+/-115.687 χ^2/NDF: 0.0/0

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -25.075+/-31.230 χ^2/NDF:16.2/15

Out: 86.105+/-28.982 χ^2/NDF:19.7/19

All: 34.660+/-21.244 χ^2/NDF: 42.7/35



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 101.887+/-0.082 χ^2/NDF:0.0/0

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 101.887+/-0.082 χ^2/NDF: 0.0/0

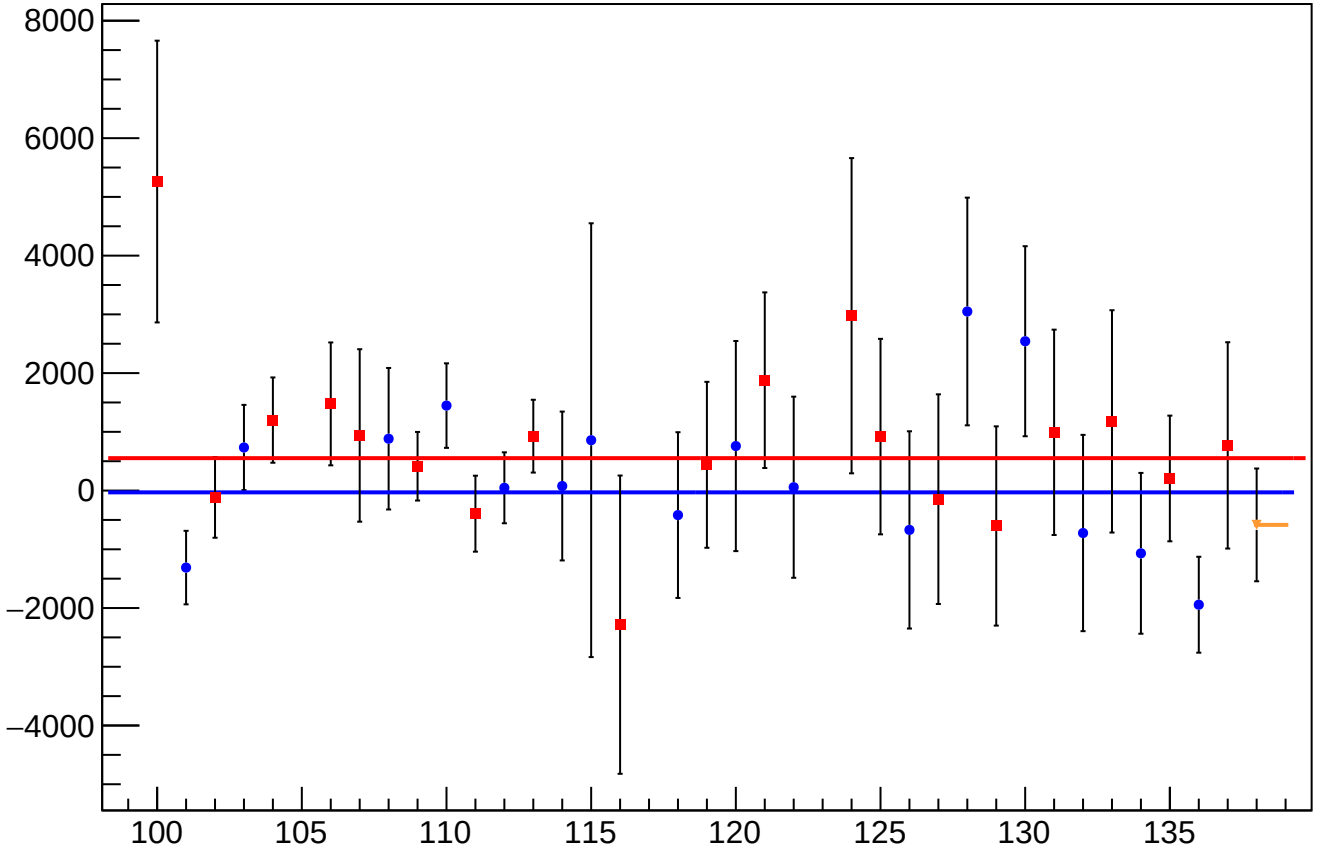
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 81.210+/-0.022 χ^2/NDF:787679.3/15

Out: 79.761+/-0.020 χ^2/NDF:1014870.5/19

All: 80.431+/-0.015 χ^2/NDF: 1804862.1/35

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: -584.404+/-960.102 χ^2/NDF:0.0/0

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -584.404+/-960.102 χ^2/NDF: 0.0/0

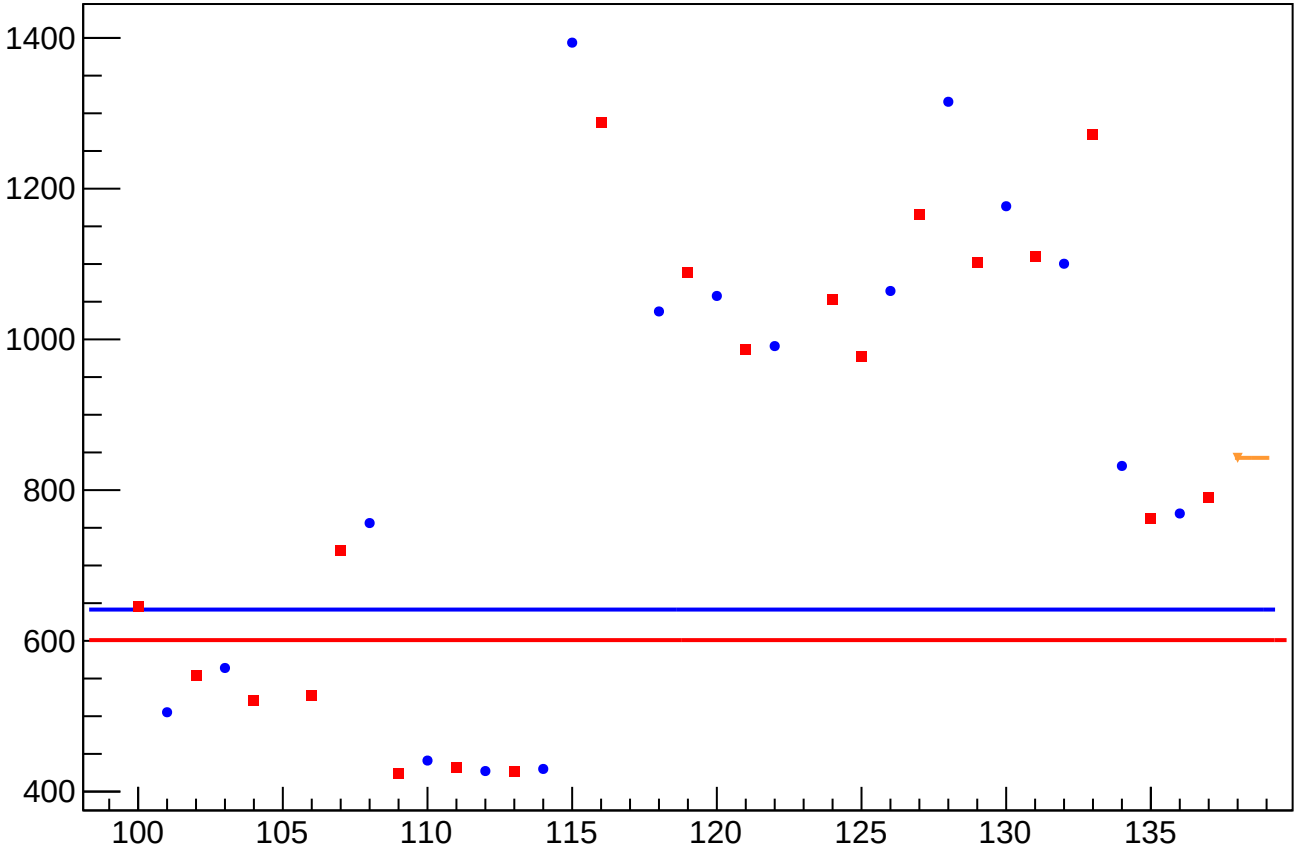
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: -30.434+/-257.002 χ^2/NDF:21.9/15

Out: 485.828+/-231.593 χ^2/NDF:14.1/19

All: 254.473+/-172.045 χ^2/NDF: 38.2/35

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: 842.823+/-0.679 χ^2/NDF:0.0/0

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

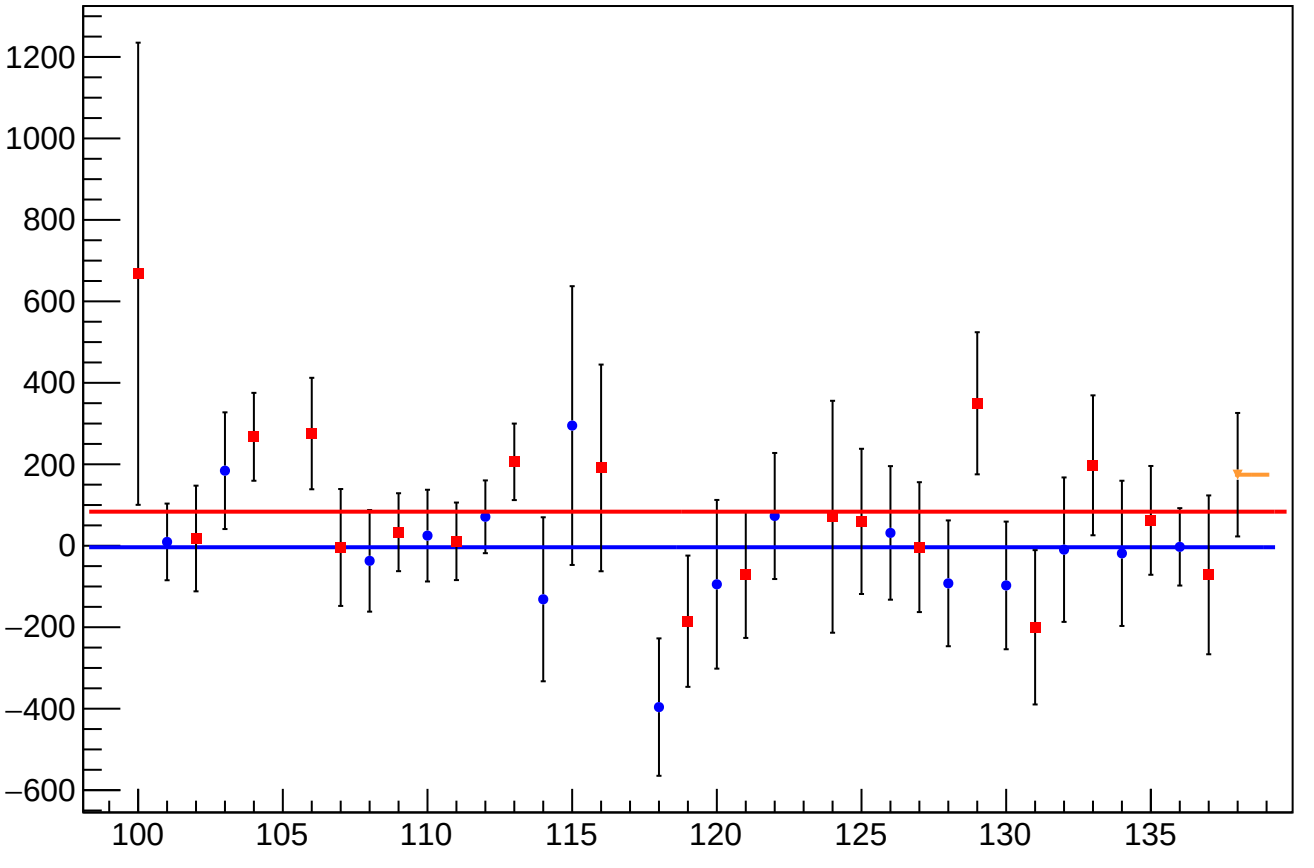
Left: 842.823+/-0.679 χ^2/NDF: 0.0/0

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 641.507+/-0.182 χ^2/NDF:1874950.0/15

Out: 615.048+/-0.164 χ^2/NDF:2196753.5/19

All: 626.905+/-0.122 χ^2/NDF: 4083403.1/35



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 174.456+/-151.569 χ^2/NDF:0.0/0

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

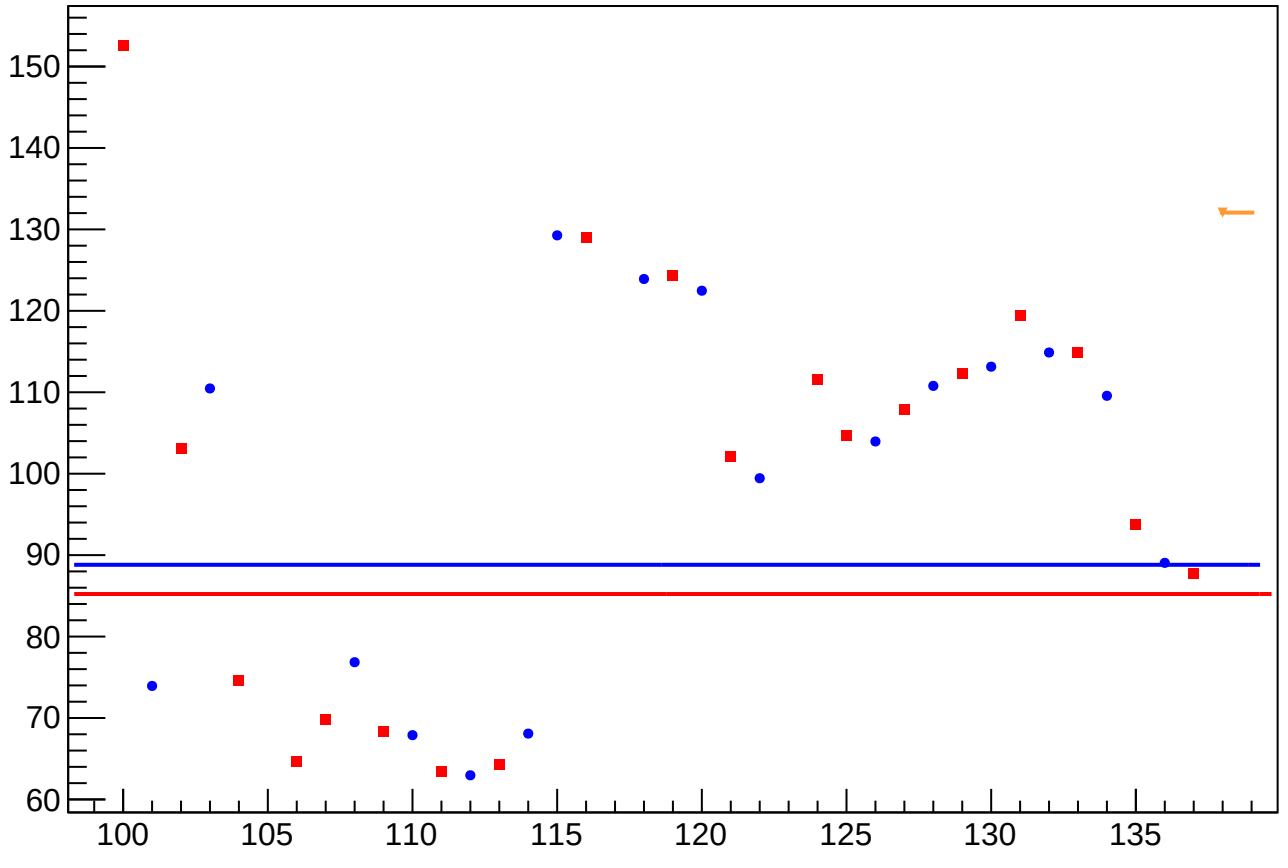
Left: 174.456+/-151.569 χ^2/NDF: 0.0/0

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: -3.635+/-34.152 χ^2/NDF:10.3/15

Out: 87.698+/-31.902 χ^2/NDF:19.4/19

All: 45.140+/-23.313 χ^2/NDF: 33.6/35



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 132.062+/-0.107 χ^2/NDF:0.0/0

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

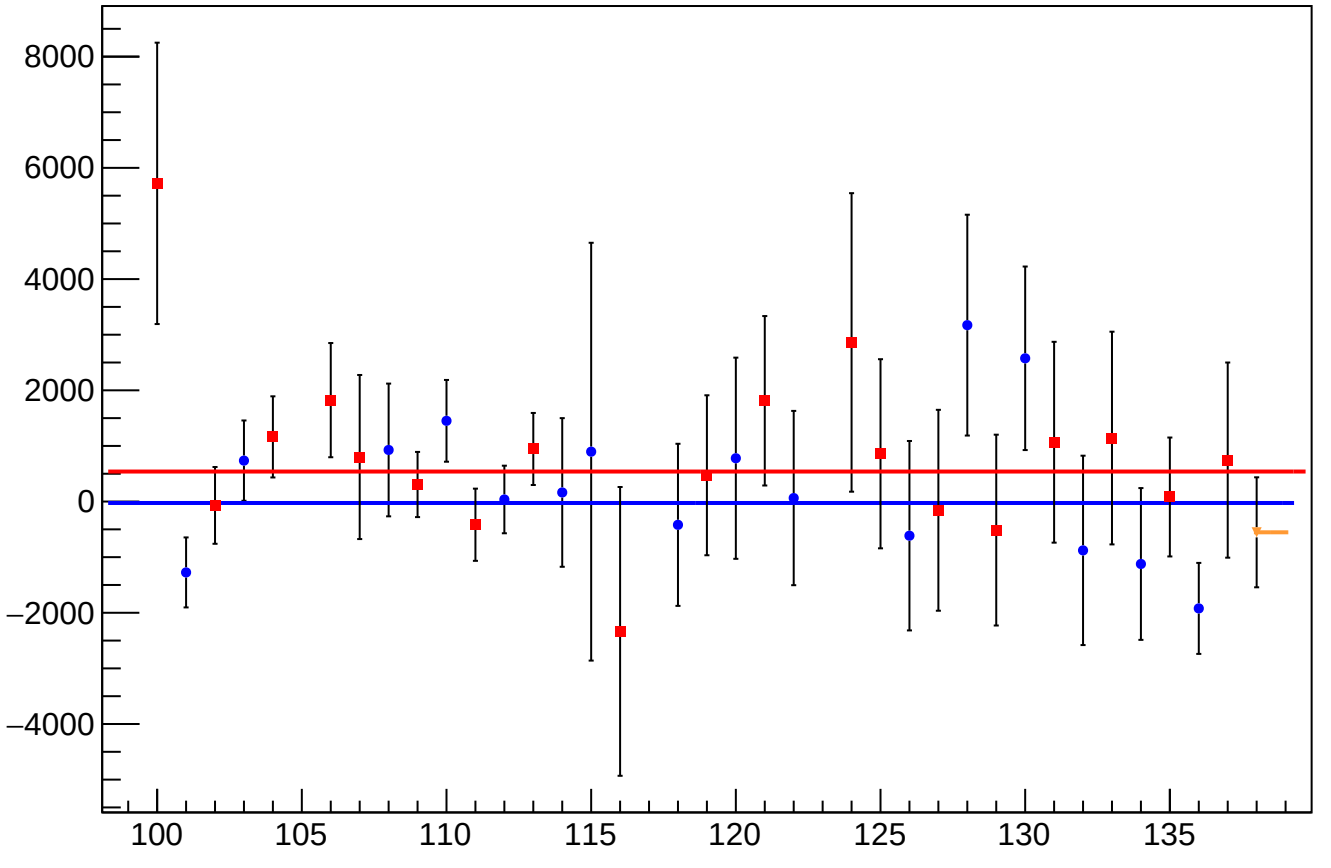
Left: 132.062+/-0.107 χ^2/NDF: 0.0/0

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 88.813+/-0.024 χ^2/NDF:724609.8/15

Out: 87.300+/-0.023 χ^2/NDF:1066591.0/19

All: 88.005+/-0.016 χ^2/NDF: 1793299.3/35



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -553.032+/-988.954 χ^2/NDF:0.0/0

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

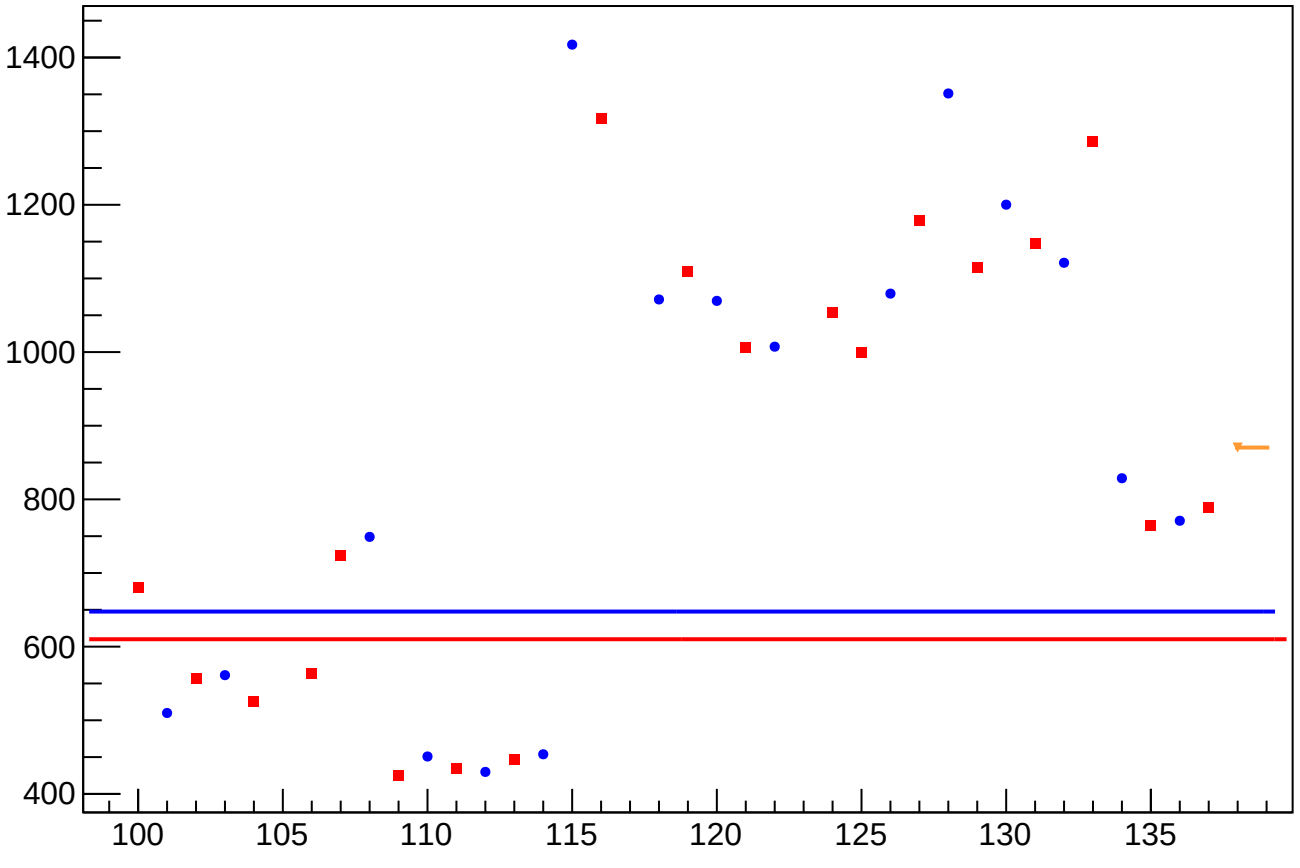
Left: -553.032+/-988.954 χ^2/NDF: 0.0/0

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: -25.770+/-259.401 χ^2/NDF:21.6/15

Out: 478.270+/-234.366 χ^2/NDF:14.8/19

All: 251.740+/-173.901 χ^2/NDF: 38.4/35



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 870.334+/-0.699 χ^2/NDF:0.0/0

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

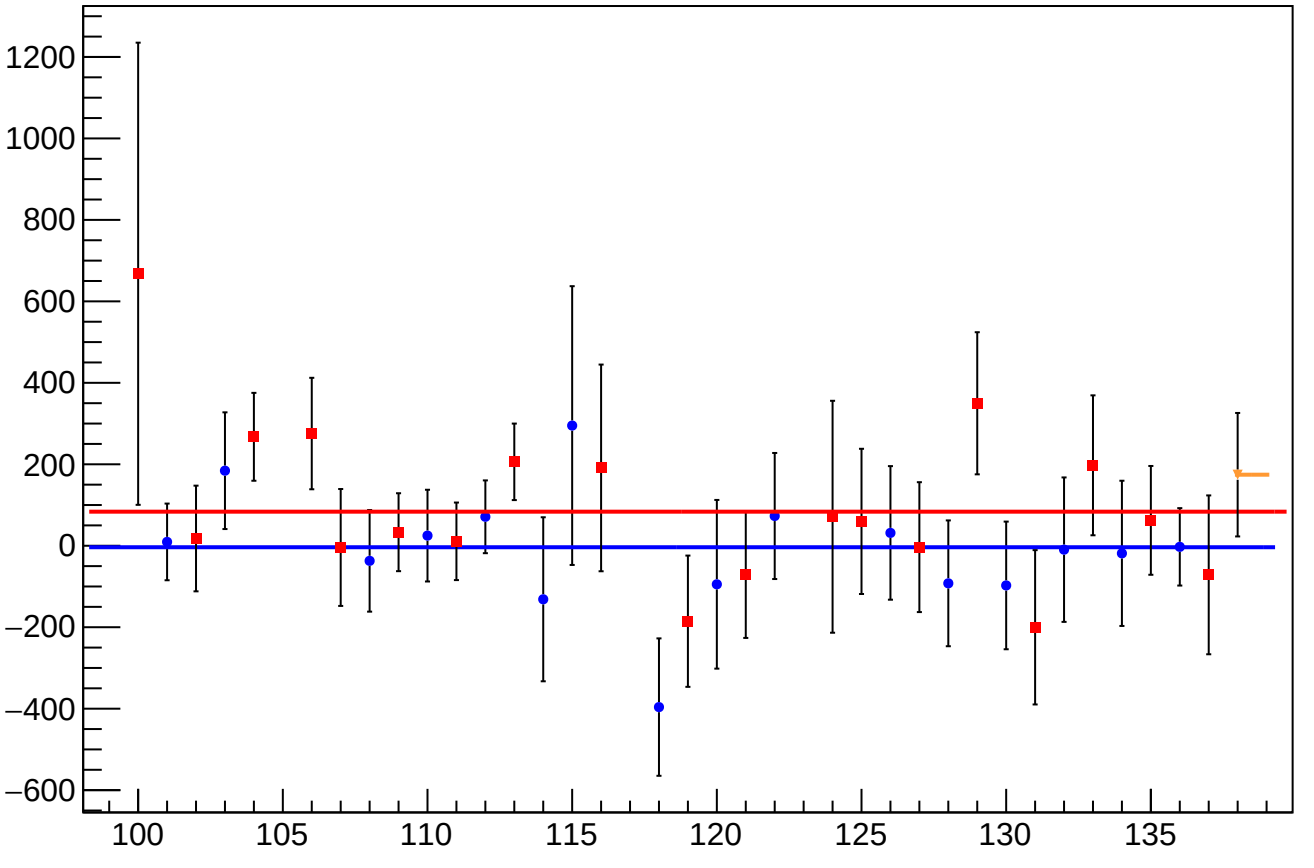
Left: 870.334+/-0.699 χ^2/NDF: 0.0/0

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 647.641+/-0.183 χ^2/NDF:1887815.9/15

Out: 624.678+/-0.166 χ^2/NDF:2204996.3/19

All: 634.998+/-0.123 χ^2/NDF: 4101440.9/35



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 174.449+/-151.569 χ^2/NDF:0.0/0

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

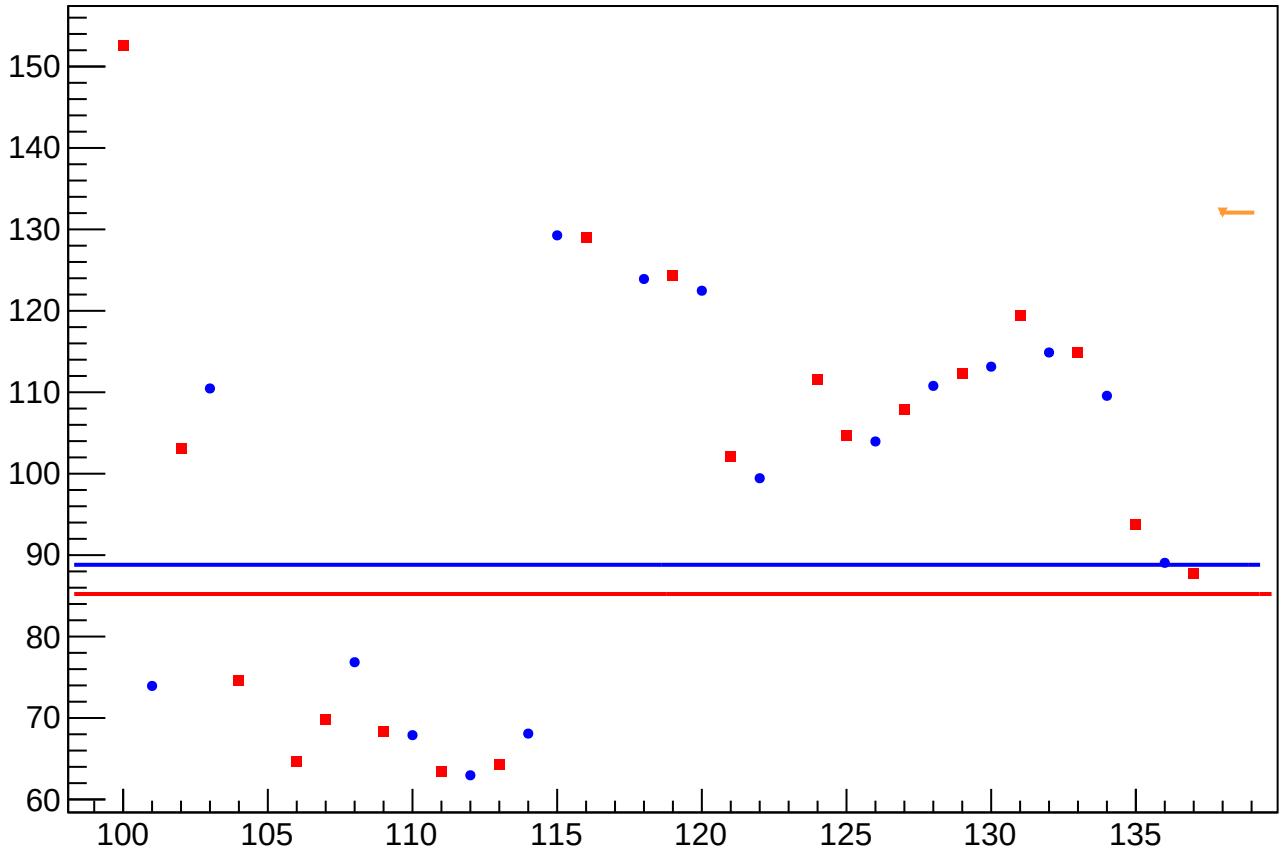
Left: 174.449+/-151.569 χ^2/NDF: 0.0/0

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: -3.633+/-34.152 χ^2/NDF:10.3/15

Out: 87.697+/-31.902 χ^2/NDF:19.4/19

All: 45.140+/-23.313 χ^2/NDF: 33.6/35



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 132.062+/-0.107 χ^2/NDF:0.0/0

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

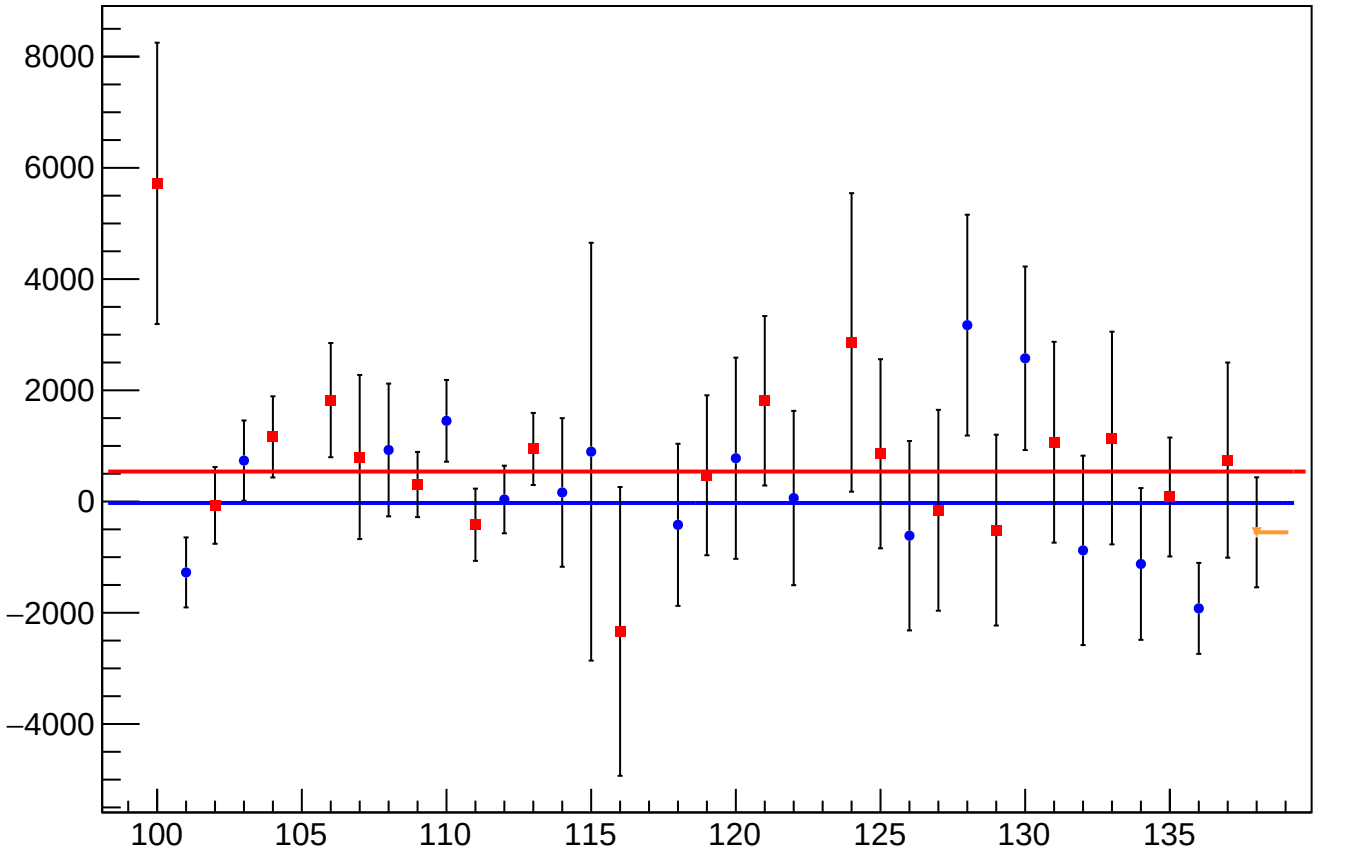
Left: 132.062+/-0.107 χ^2/NDF: 0.0/0

Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 88.813+/-0.024 χ^2/NDF:724609.7/15

Out: 87.300+/-0.023 χ^2/NDF:1066593.3/19

All: 88.005+/-0.016 χ^2/NDF: 1793301.4/35



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -553.039+/-988.953 χ^2/NDF:0.0/0

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -553.039+/-988.953 χ^2/NDF: 0.0/0

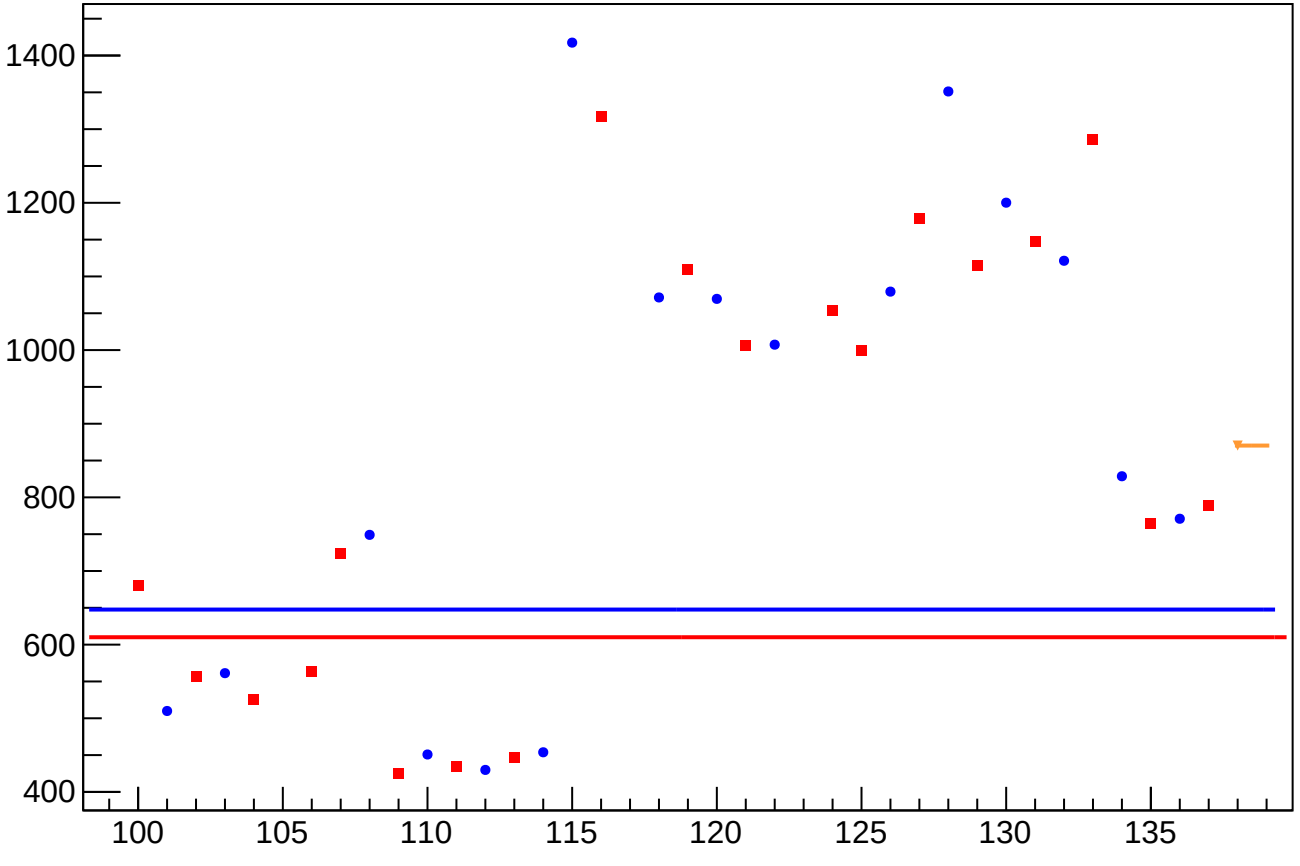
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: -25.770+/-259.401 χ^2/NDF:21.6/15

Out: 478.268+/-234.366 χ^2/NDF:14.8/19

All: 251.739+/-173.901 χ^2/NDF: 38.4/35

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 870.333+/-0.699 χ^2/NDF:0.0/0

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

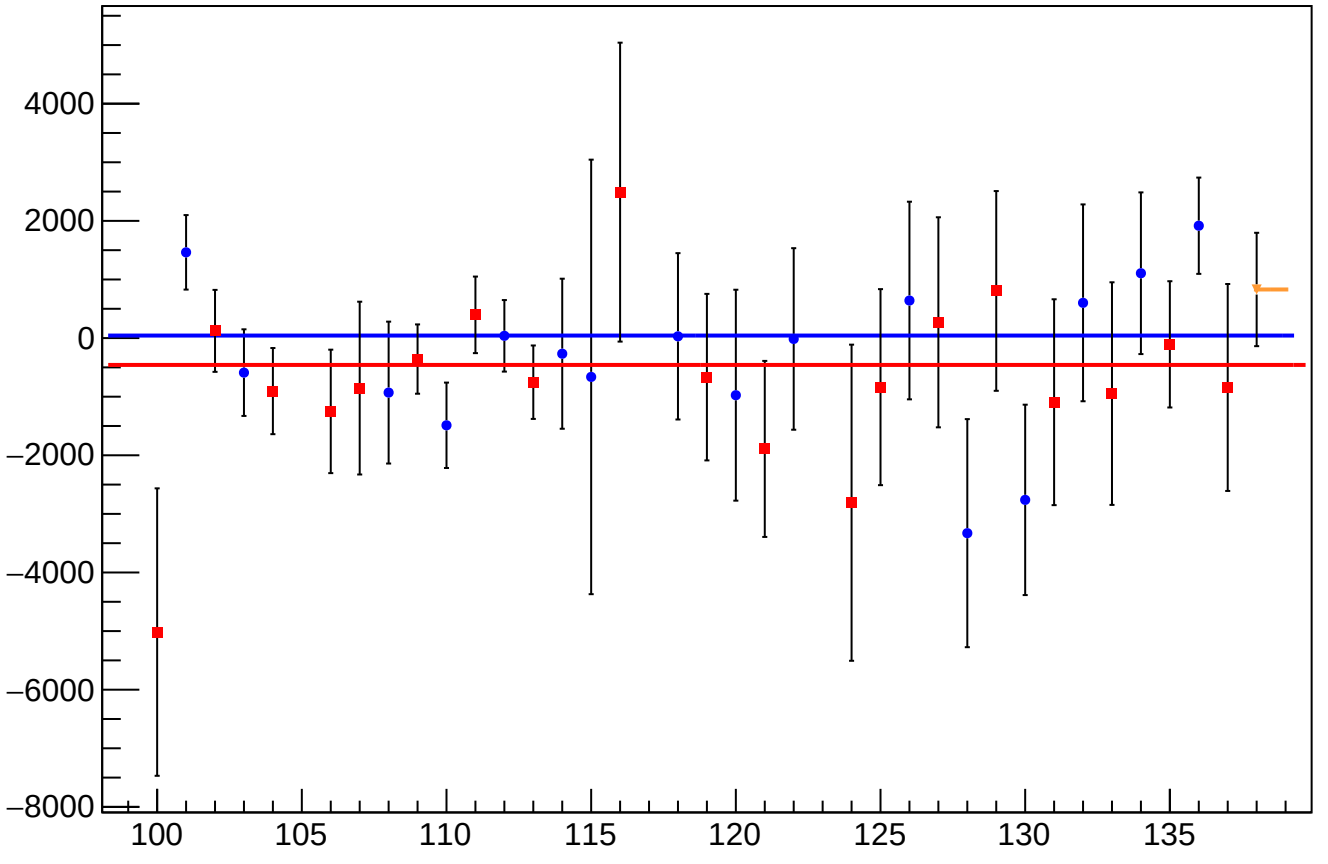
Left: 870.333+/-0.699 χ^2/NDF: 0.0/0

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 647.640+/-0.183 χ^2/NDF:1887820.6/15

Out: 624.677+/-0.166 χ^2/NDF:2204999.2/19

All: 634.997+/-0.123 χ^2/NDF: 4101448.5/35



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 829.427+/-967.275 χ^2/NDF:0.0/0

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 829.427+/-967.275 χ^2/NDF: 0.0/0

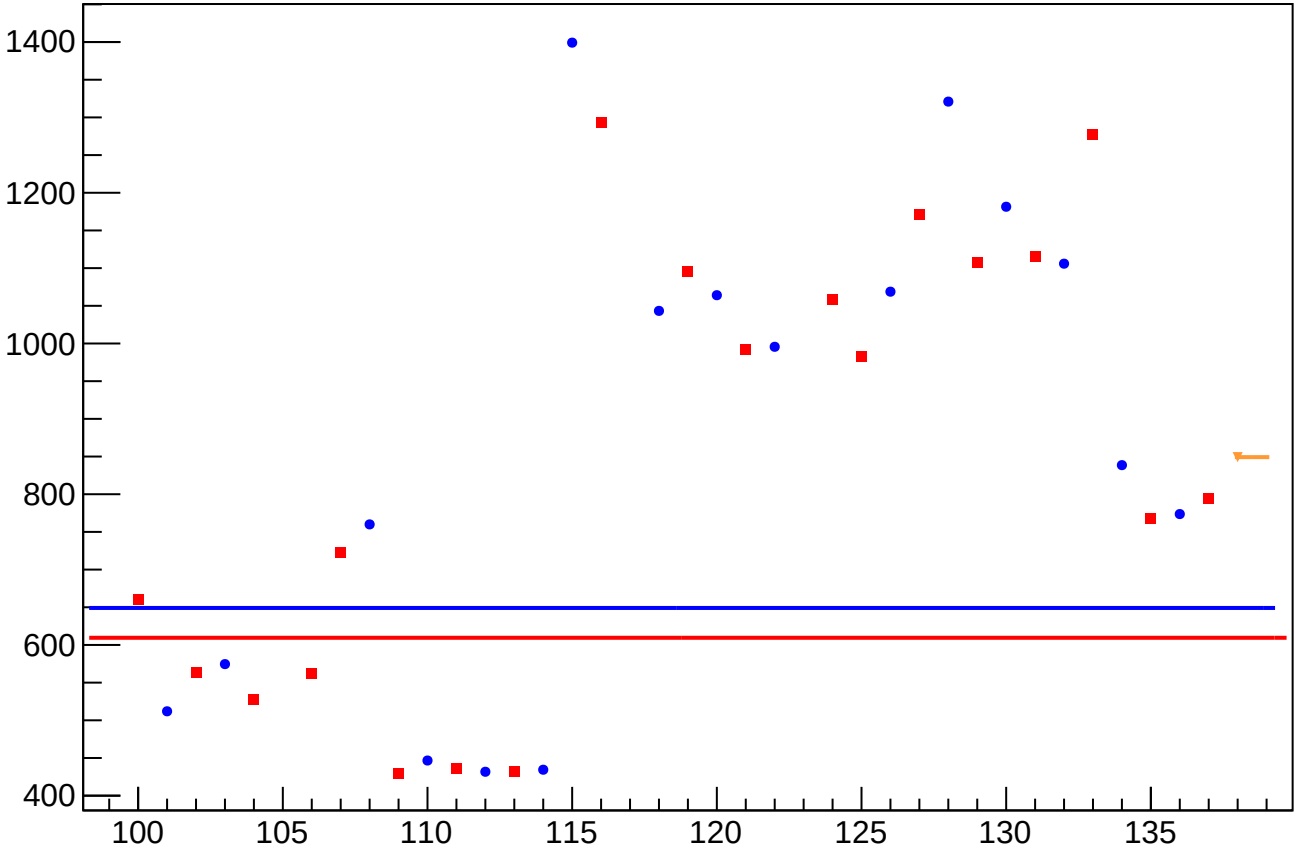
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: 43.152+/-259.796 χ^2/NDF:23.2/15

Out: -382.786+/-233.958 χ^2/NDF:12.9/19

All: -192.046+/-173.853 χ^2/NDF: 37.6/35

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 849.211+/-0.684 χ^2/NDF:0.0/0

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

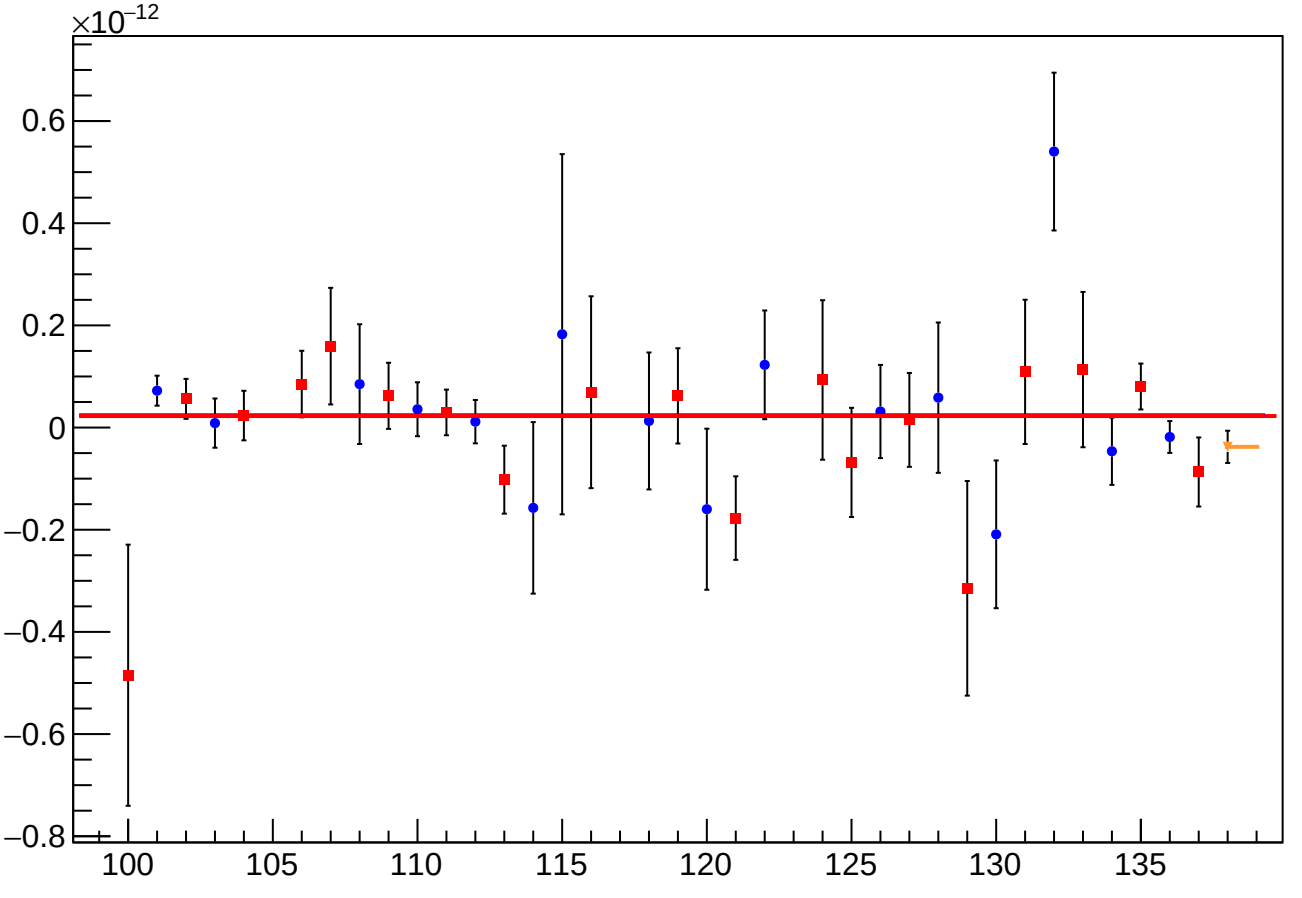
Left: 849.211+/-0.684 χ^2/NDF: 0.0/0

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 649.091+/-0.184 χ^2/NDF:1845815.6/15

Out: 623.539+/-0.165 χ^2/NDF:2159219.8/19

All: 634.981+/-0.123 χ^2/NDF: 4015718.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

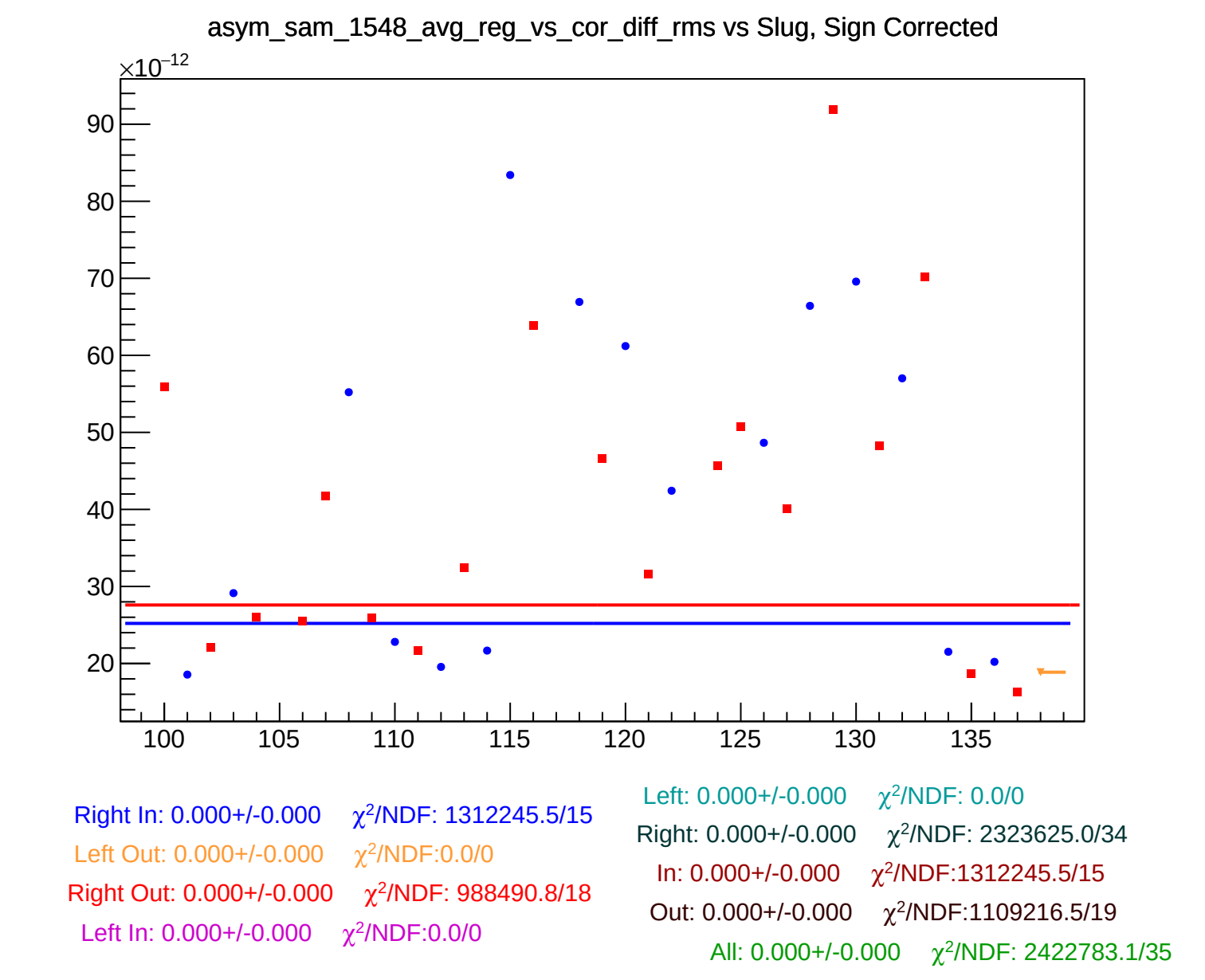
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

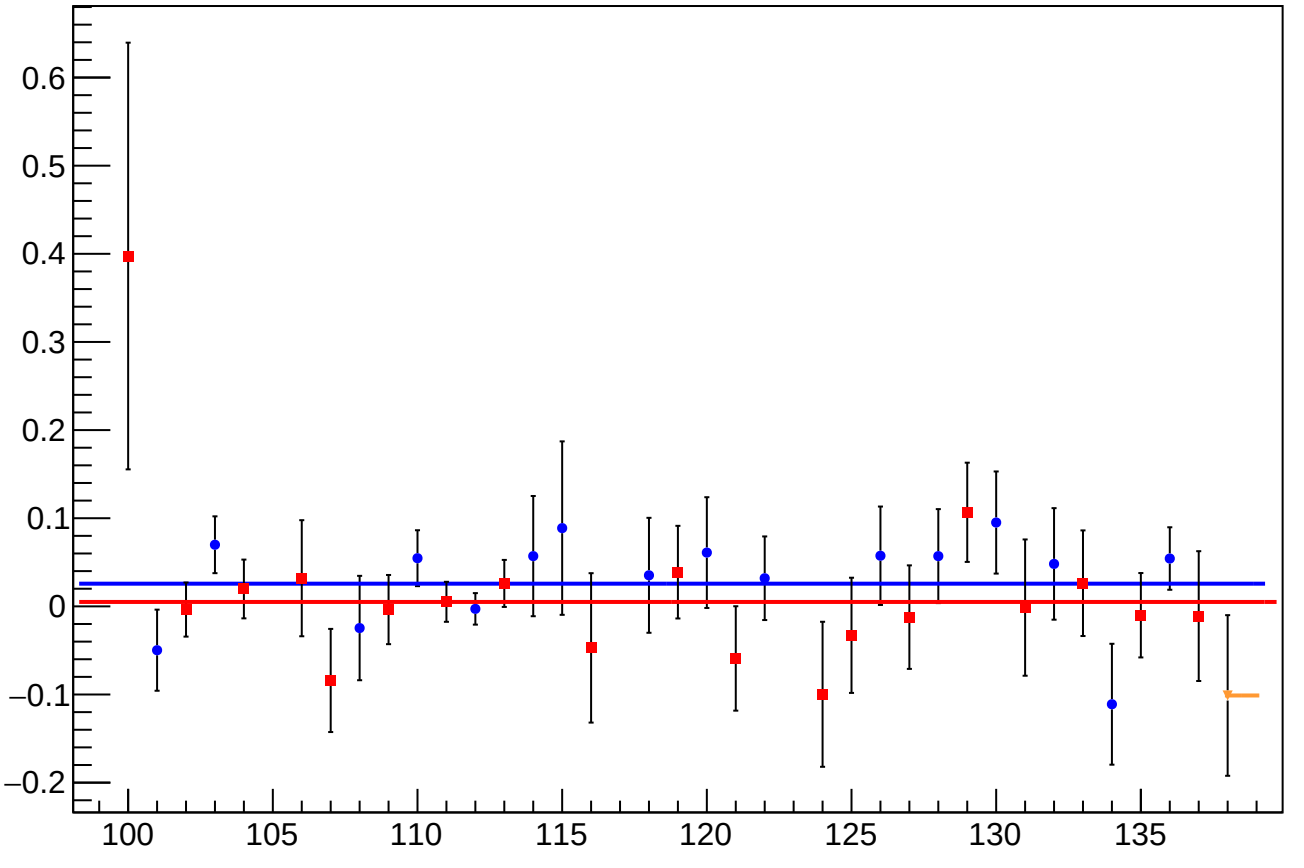
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:23.6/15

Out: 0.000+/-0.000 χ^2/NDF:28.6/19

All: 0.000+/-0.000 χ^2/NDF: 52.6/35


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:1312245.5/15
Out: 0.000+/-0.000 χ²/NDF:1109216.5/19
All: 0.000+/-0.000 χ²/NDF: 2422783.1/35



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.101+/-0.091 χ^2/NDF:0.0/0

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.101+/-0.091 χ^2/NDF: 0.0/0

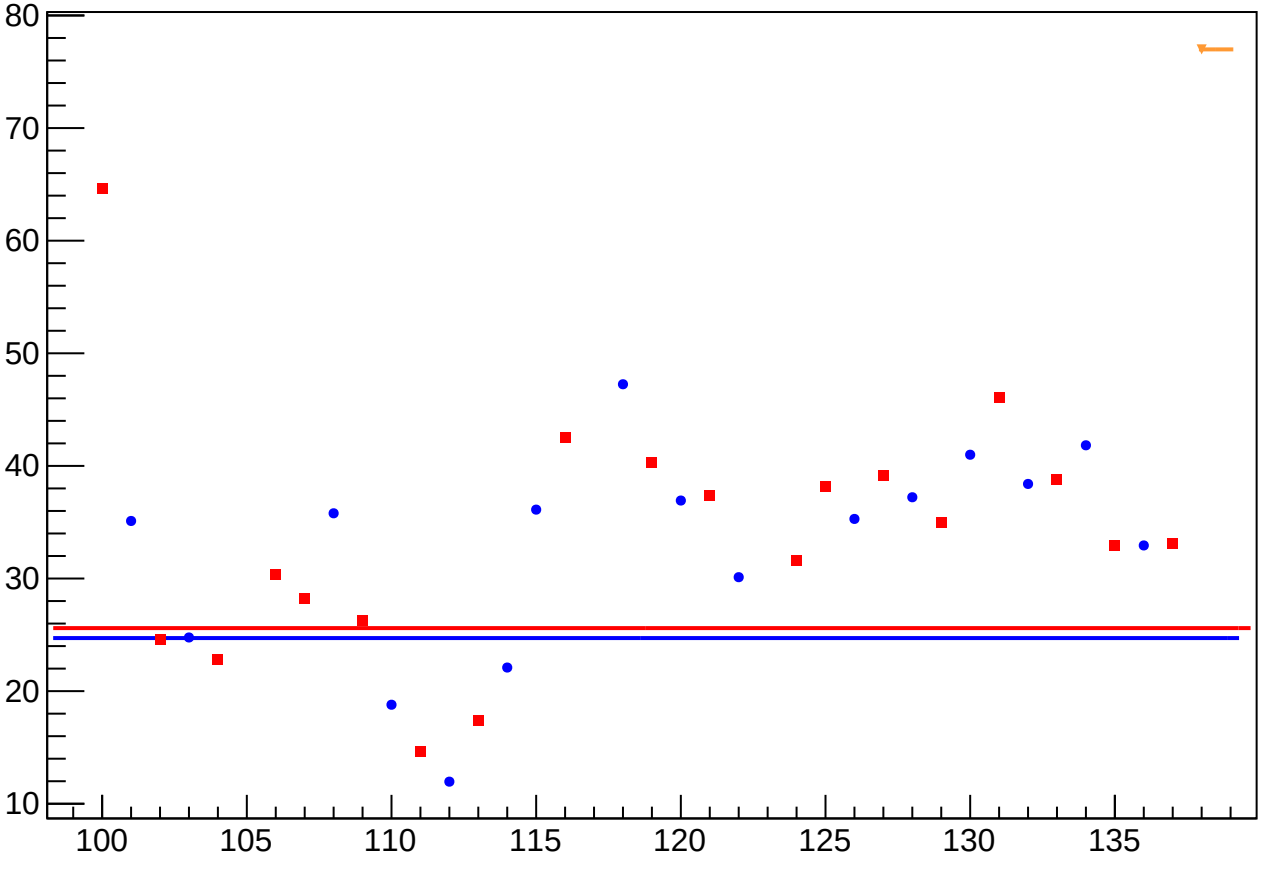
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.026+/-0.010 χ^2/NDF:16.5/15

Out: 0.004+/-0.010 χ^2/NDF:14.9/19

All: 0.015+/-0.007 χ^2/NDF: 33.7/35

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 76.986+/-0.064 χ^2/NDF:0.0/0

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

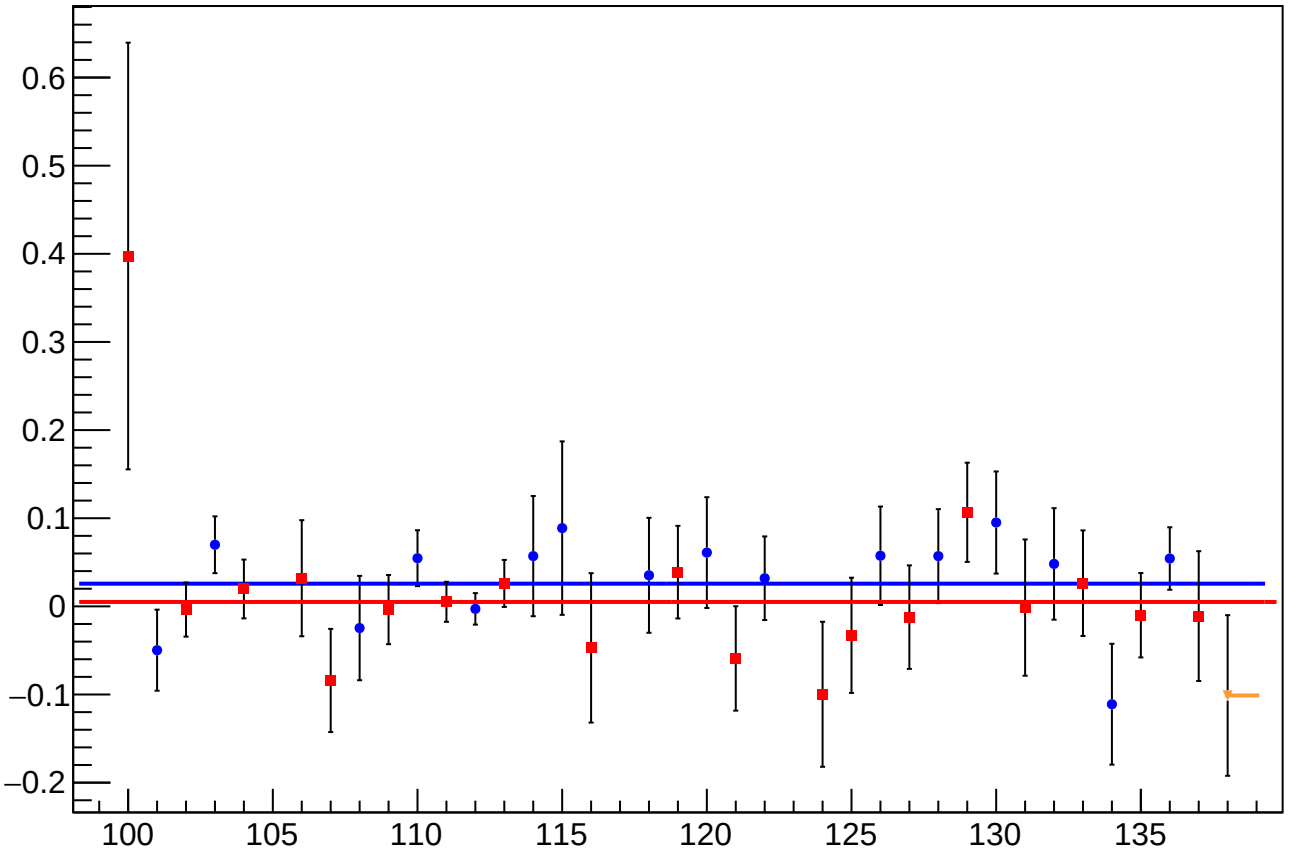
Left: 76.986+/-0.064 χ^2/NDF: 0.0/0

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 24.712+/-0.007 χ^2/NDF:2295174.7/15

Out: 26.251+/-0.007 χ^2/NDF:2233109.4/19

All: 25.487+/-0.005 χ^2/NDF: 4550528.4/35



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.101+/-0.091 χ^2/NDF:0.0/0

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

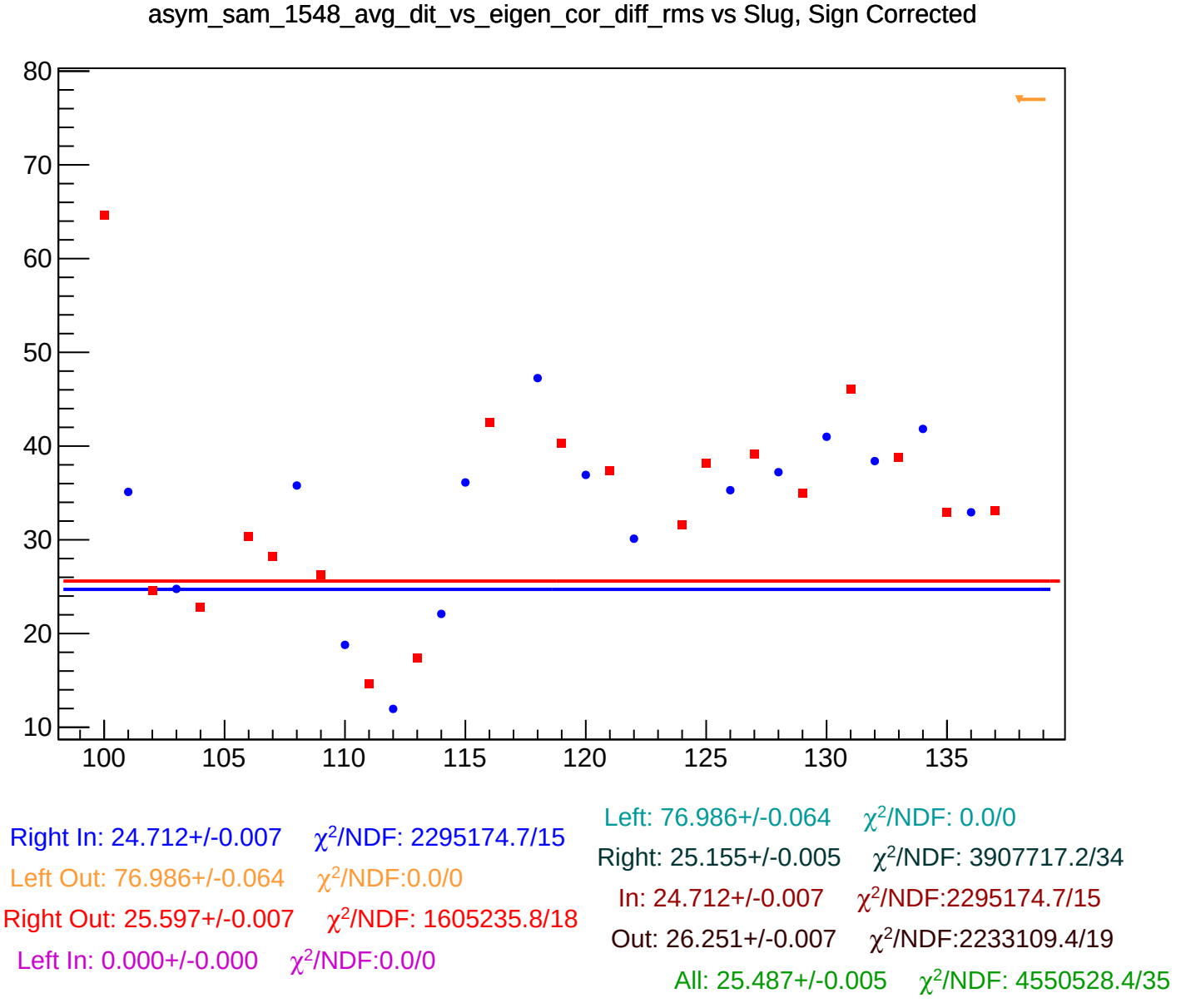
Left: -0.101+/-0.091 χ^2/NDF: 0.0/0

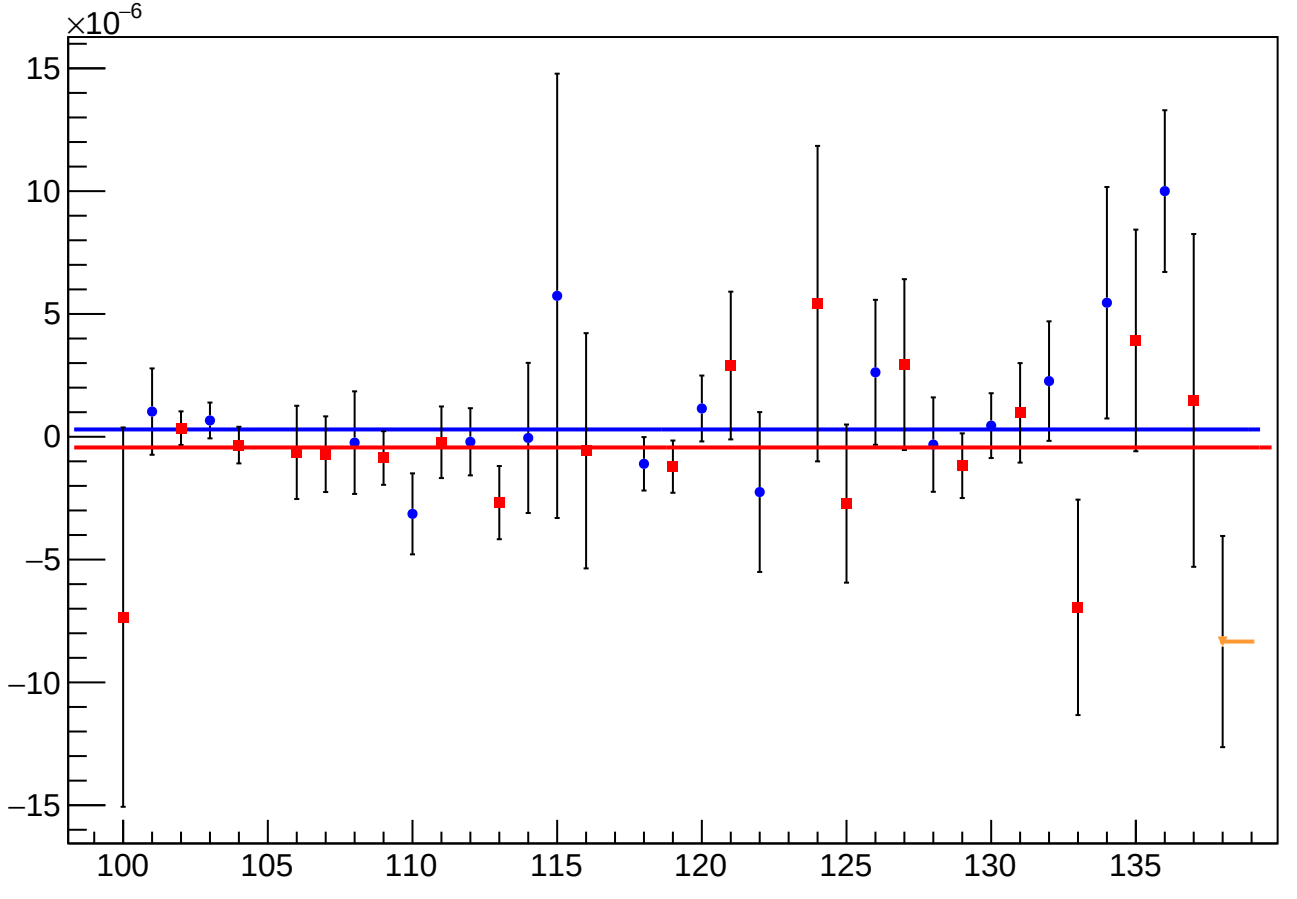
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.026+/-0.010 χ^2/NDF:16.5/15

Out: 0.004+/-0.010 χ^2/NDF:14.9/19

All: 0.015+/-0.007 χ^2/NDF: 33.7/35


asym_sam_1548_avg_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
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 76.986+/-0.064 χ²/NDF:0.0/0
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 76.986+/-0.064 χ²/NDF: 0.0/0
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 24.712+/-0.007 χ²/NDF:2295174.7/15
Out: 26.251+/-0.007 χ²/NDF:2233109.4/19
All: 25.487+/-0.005 χ²/NDF: 4550528.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

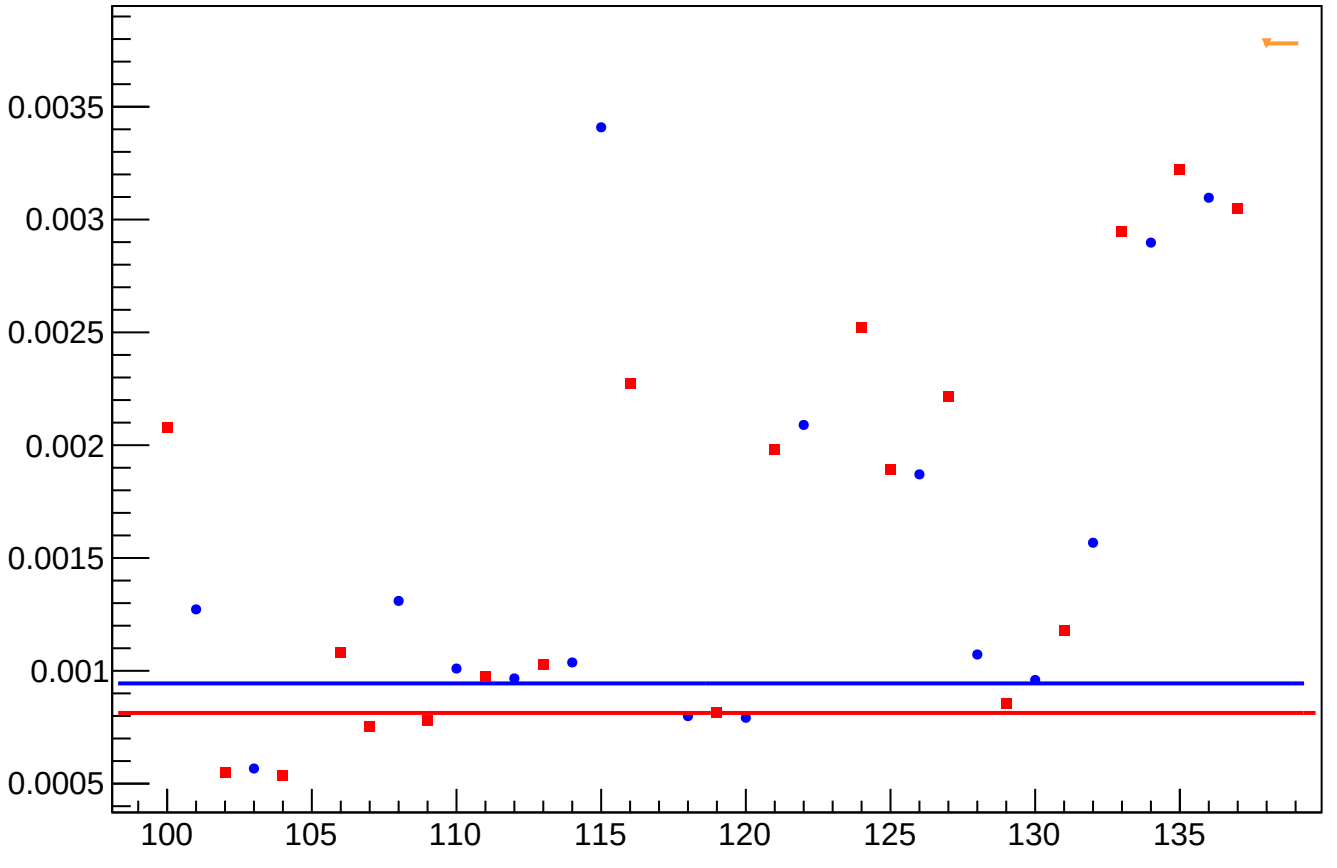
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:19.3/15

Out: -0.000+/-0.000 χ^2/NDF:16.1/19

All: -0.000+/-0.000 χ^2/NDF: 37.6/35



Right In: 0.001+/-0.000 χ^2/NDF: 2665853.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 3244147.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

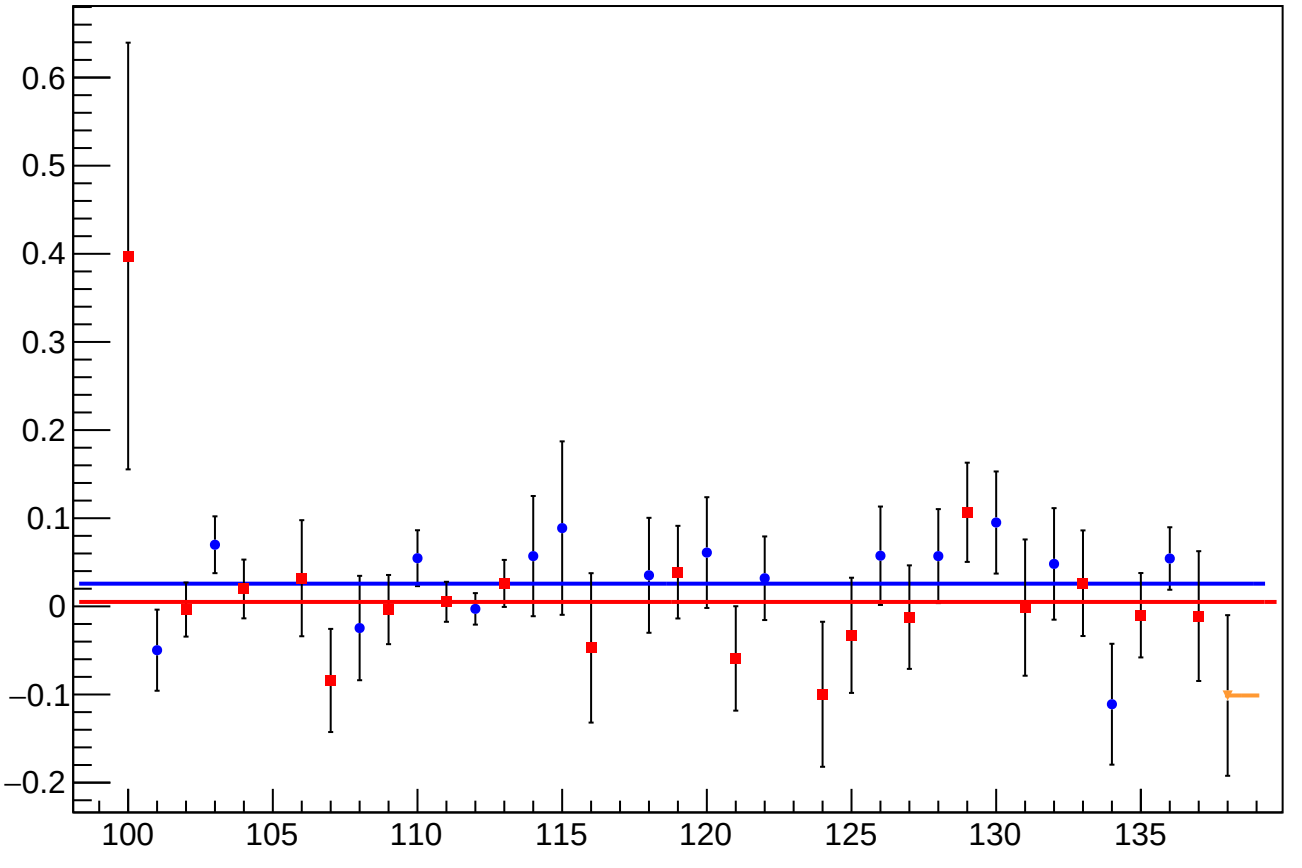
Left: 0.004+/-0.000 χ^2/NDF: 0.0/0

Right: 0.001+/-0.000 χ^2/NDF: 6033376.9/34

In: 0.001+/-0.000 χ^2/NDF:2665853.3/15

Out: 0.001+/-0.000 χ^2/NDF:4191151.0/19

All: 0.001+/-0.000 χ^2/NDF: 6948079.8/35



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.101+/-0.091 χ^2/NDF:0.0/0

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.101+/-0.091 χ^2/NDF: 0.0/0

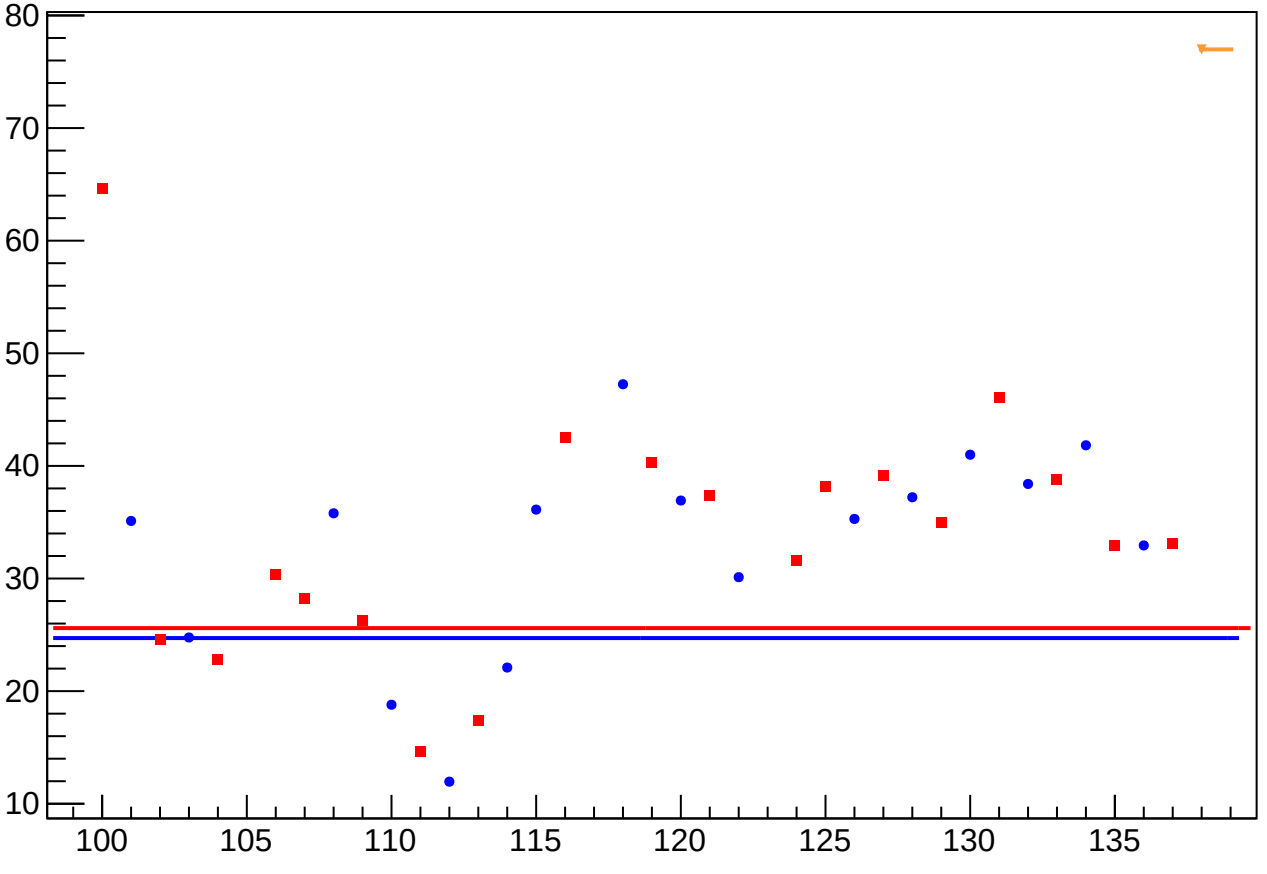
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.026+/-0.010 χ^2/NDF:16.5/15

Out: 0.004+/-0.010 χ^2/NDF:14.9/19

All: 0.015+/-0.007 χ^2/NDF: 33.7/35

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 76.986+/-0.064 χ^2/NDF:0.0/0

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

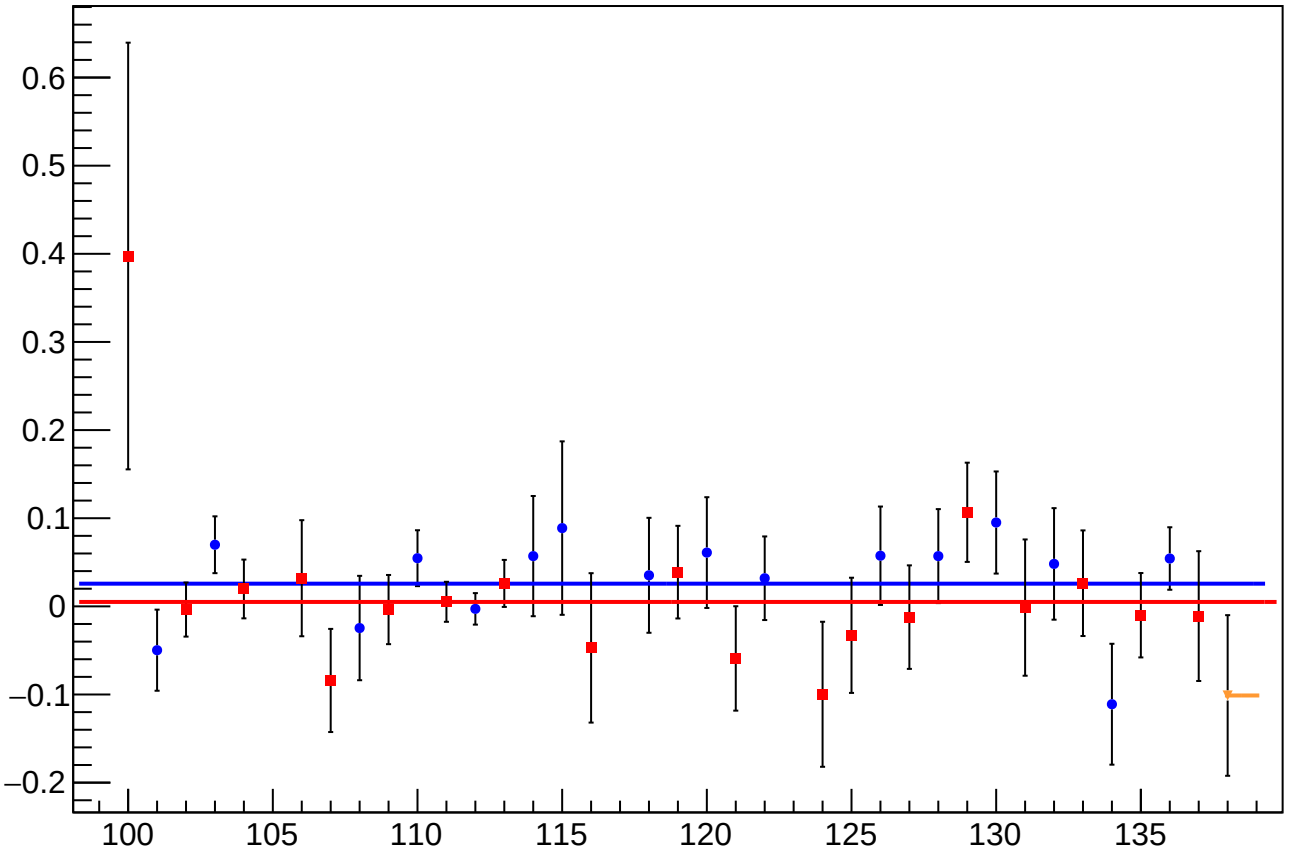
Left: 76.986+/-0.064 χ^2/NDF: 0.0/0

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 24.712+/-0.007 χ^2/NDF:2295351.2/15

Out: 26.251+/-0.007 χ^2/NDF:2233269.8/19

All: 25.487+/-0.005 χ^2/NDF: 4550869.9/35



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.101+/-0.091 χ^2/NDF:0.0/0

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.101+/-0.091 χ^2/NDF: 0.0/0

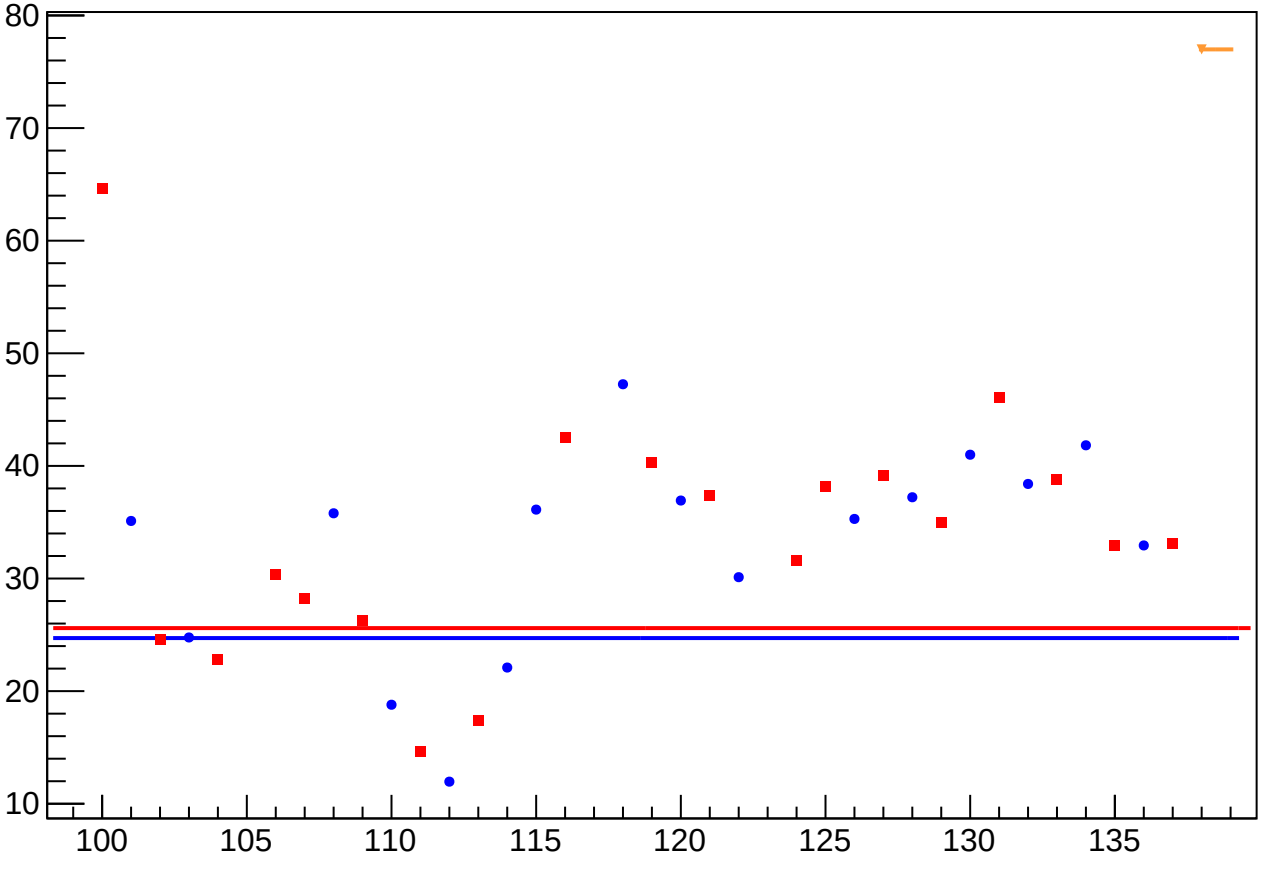
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.026+/-0.010 χ^2/NDF:16.5/15

Out: 0.004+/-0.010 χ^2/NDF:14.9/19

All: 0.015+/-0.007 χ^2/NDF: 33.7/35

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 76.986+/-0.064 χ^2/NDF:0.0/0

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

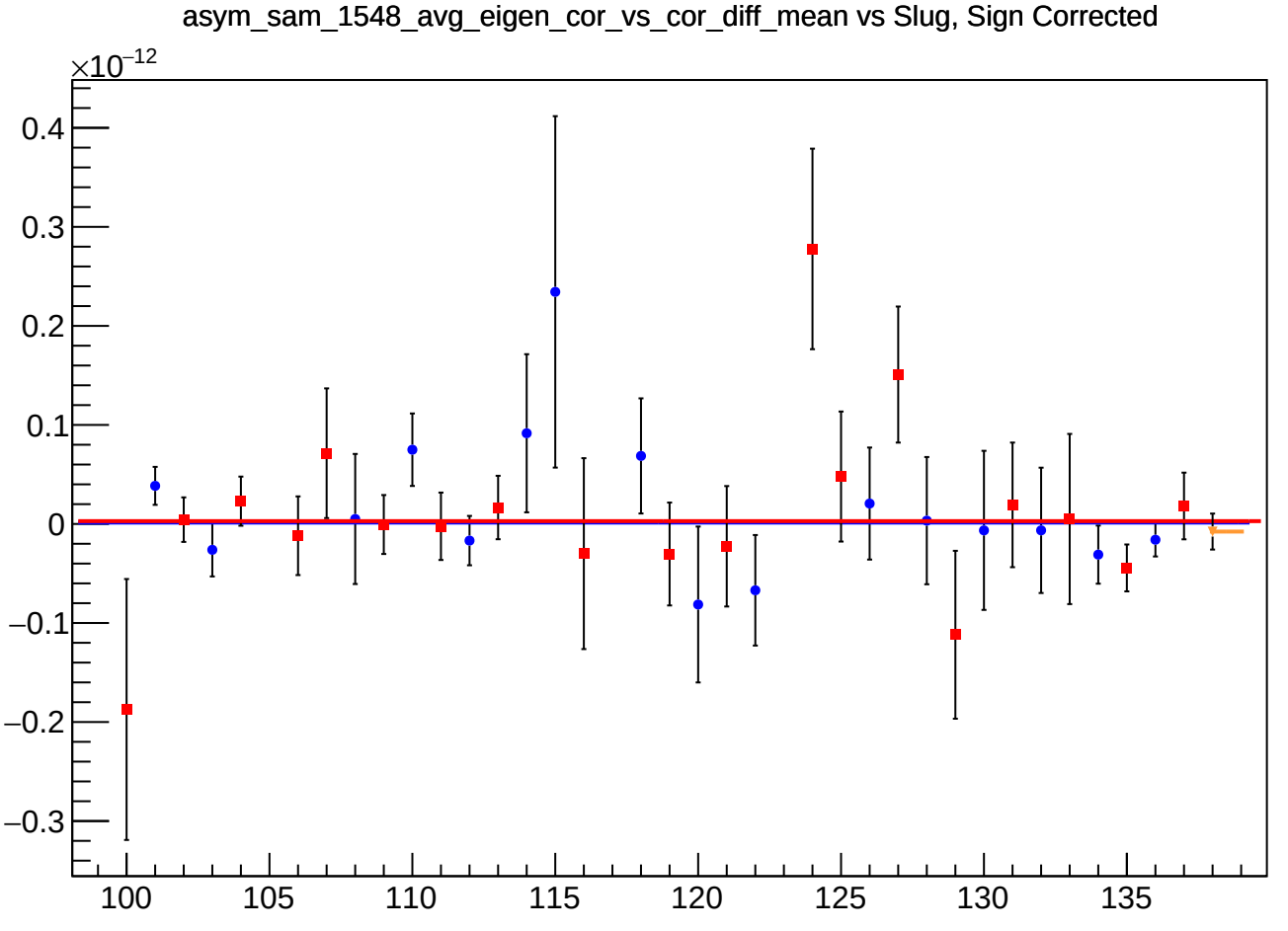
Left: 76.986+/-0.064 χ^2/NDF: 0.0/0

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 24.712+/-0.007 χ^2/NDF:2295351.2/15

Out: 26.251+/-0.007 χ^2/NDF:2233269.8/19

All: 25.487+/-0.005 χ^2/NDF: 4550869.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

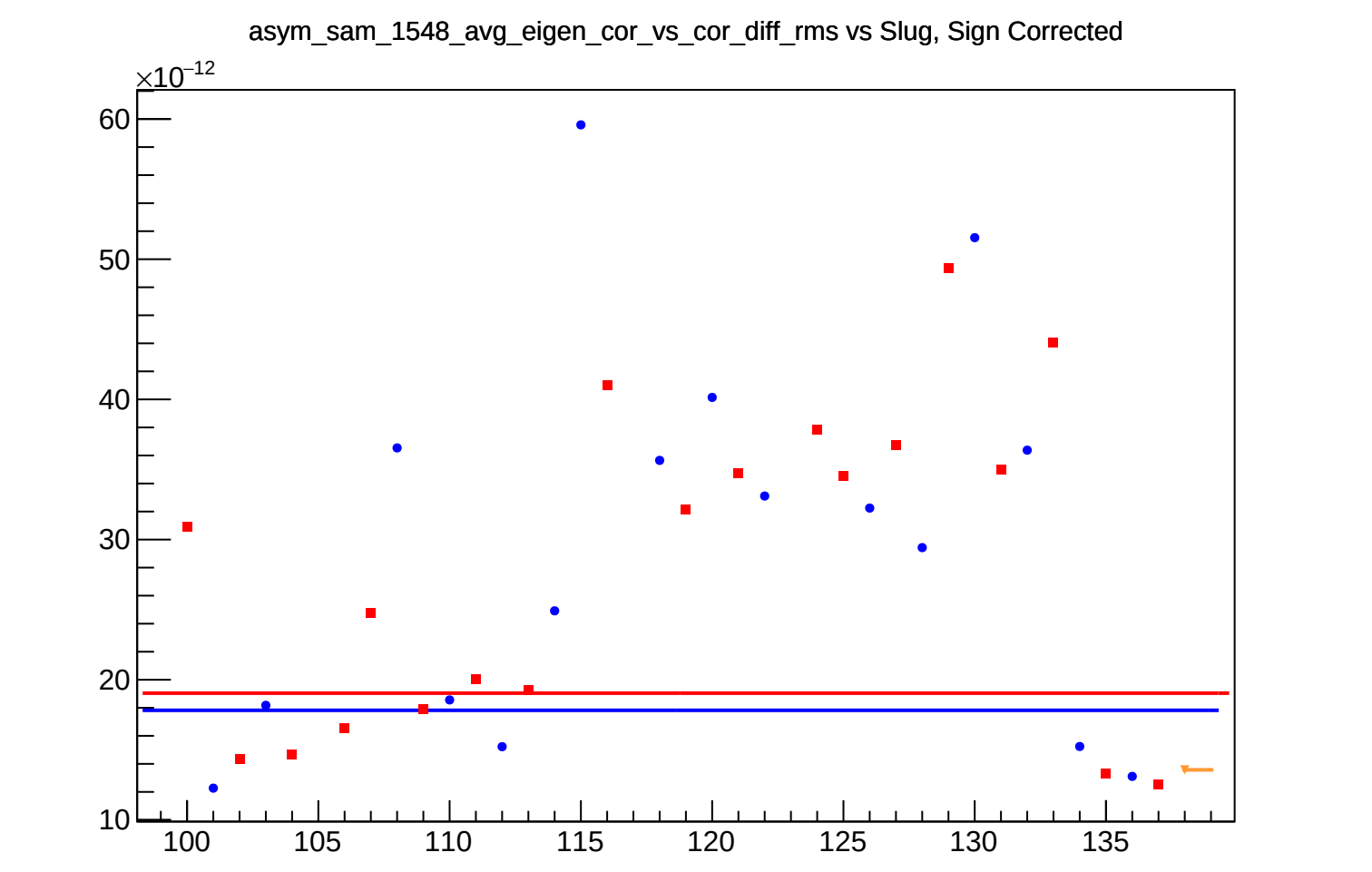
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:18.7/15

Out: 0.000+/-0.000 χ^2/NDF:23.7/19

All: 0.000+/-0.000 χ^2/NDF: 42.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

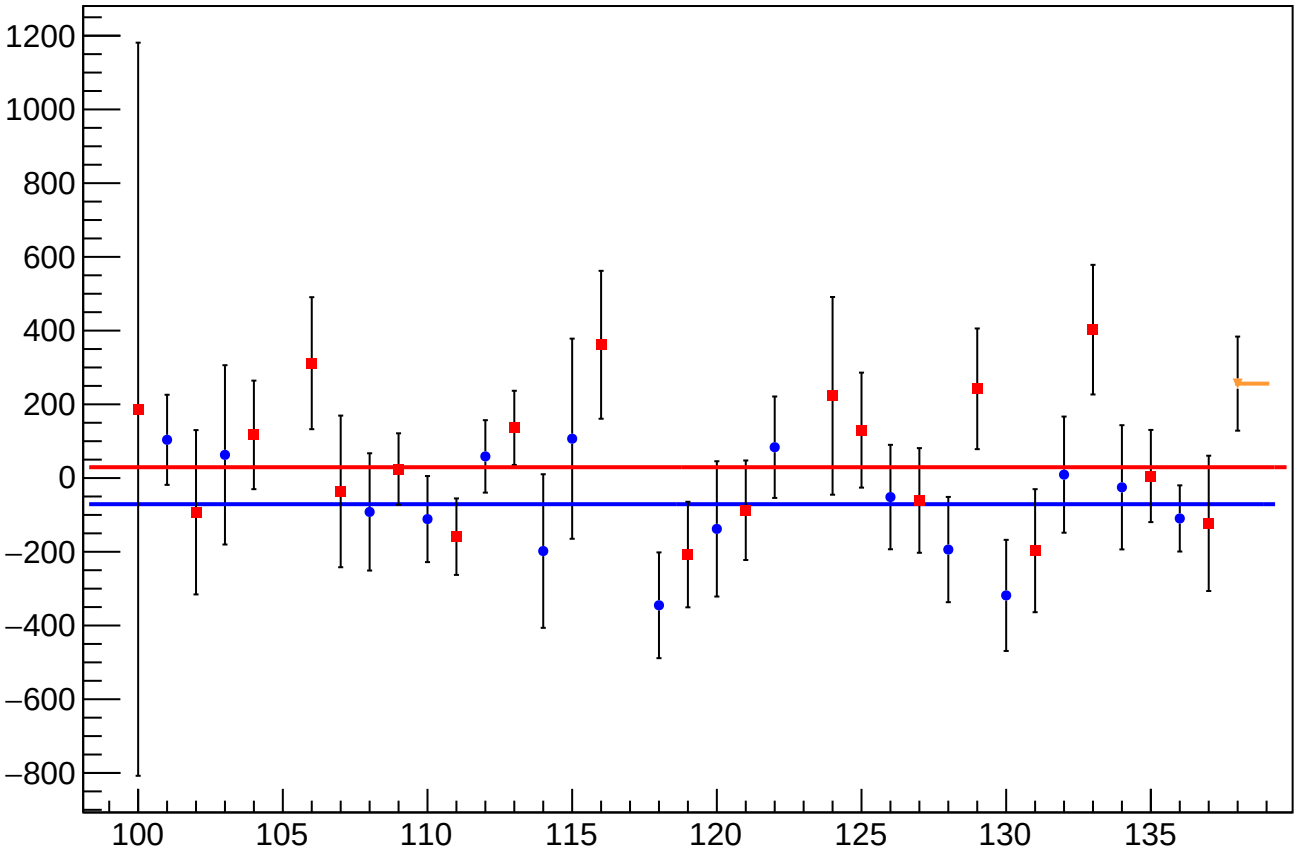
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:1869965.2/15

Out: 0.000+/-0.000 χ^2/NDF:1765698.0/19

All: 0.000+/-0.000 χ^2/NDF: 3635861.3/35



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 256.164+/-127.619 χ^2/NDF:0.0/0

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

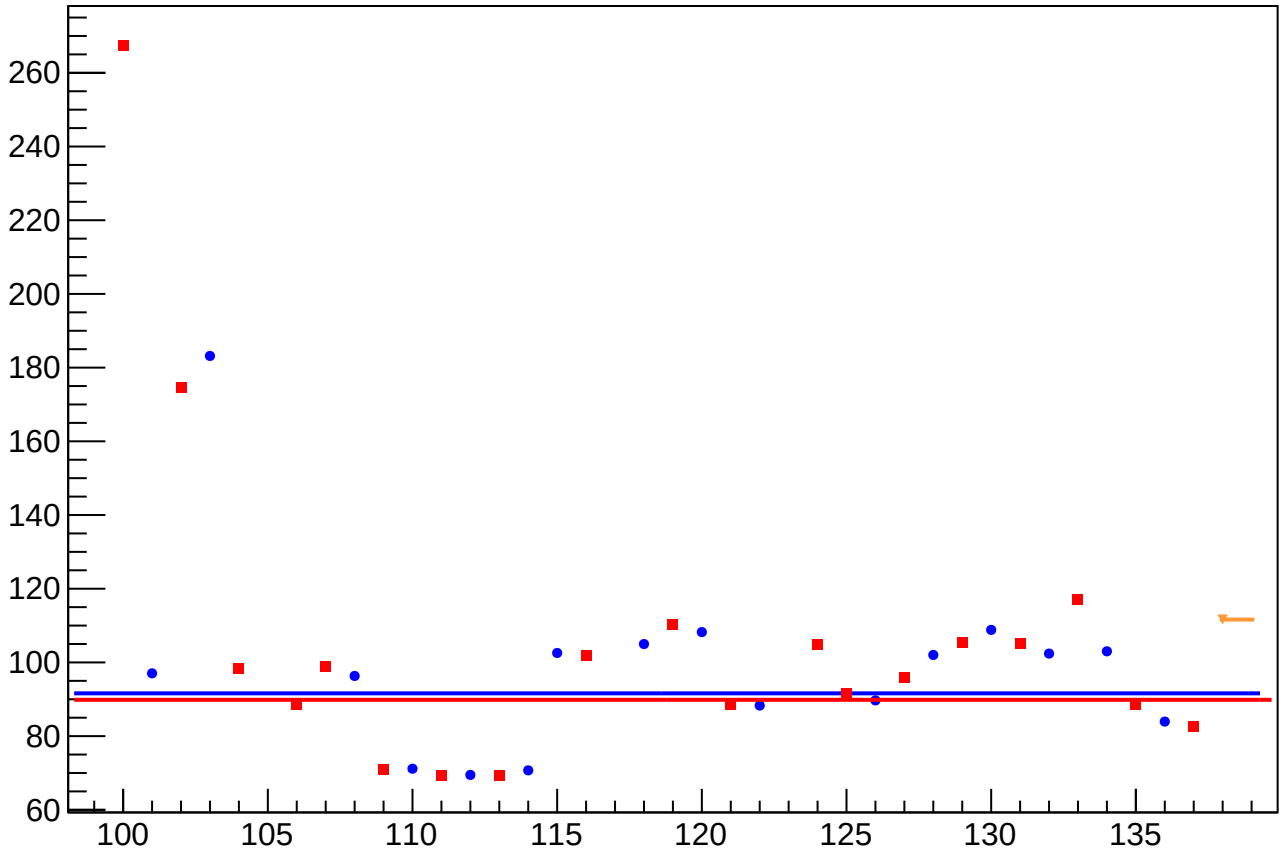
Left: 256.164+/-127.619 χ^2/NDF: 0.0/0

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: -70.892+/-35.122 χ^2/NDF:14.1/15

Out: 44.639+/-33.073 χ^2/NDF:27.0/19

All: -9.658+/-24.078 χ^2/NDF: 46.7/35



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 111.631+/-0.090 χ^2/NDF:0.0/0

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

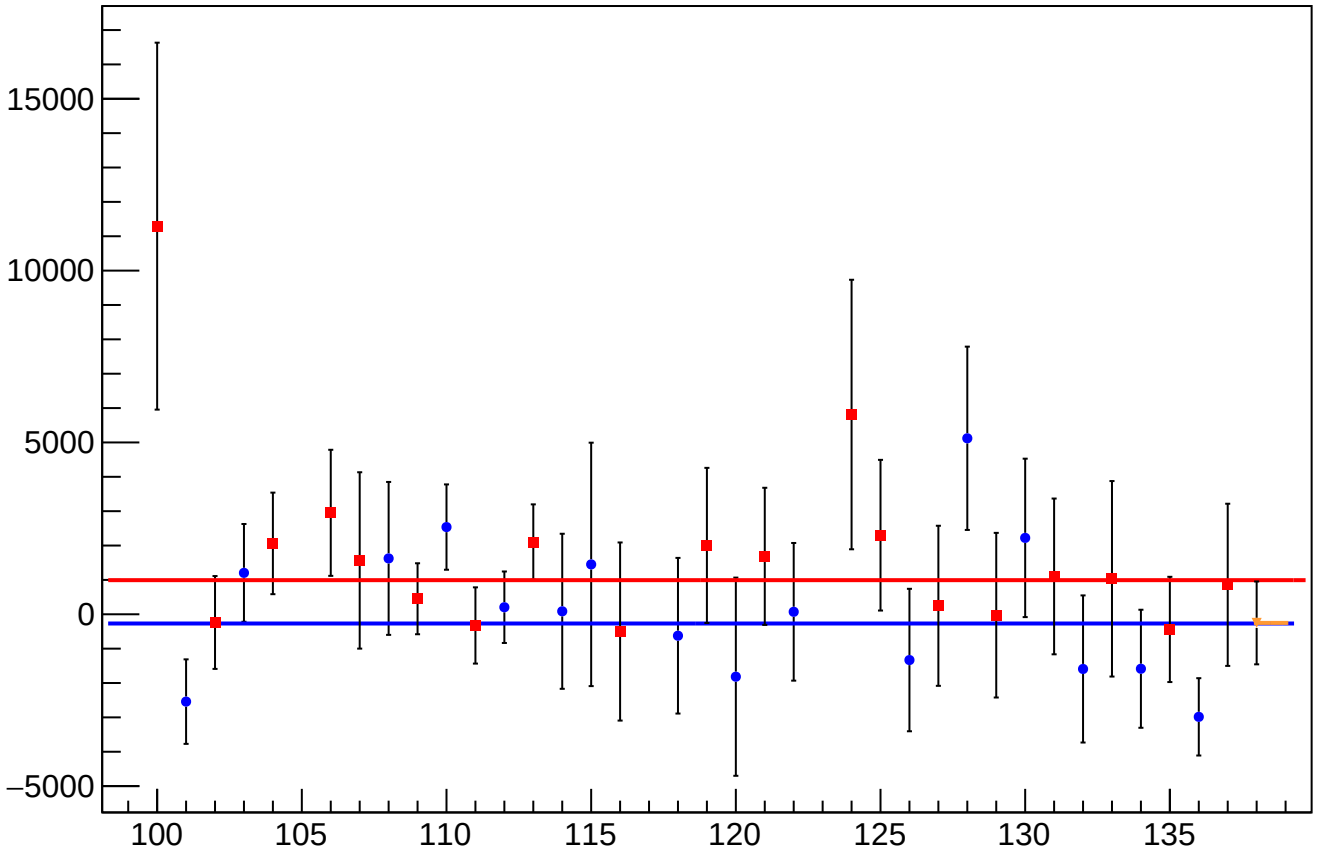
Left: 111.631+/-0.090 χ^2/NDF: 0.0/0

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 91.608+/-0.025 χ^2/NDF:580672.8/15

Out: 91.317+/-0.023 χ^2/NDF:800613.0/19

All: 91.454+/-0.017 χ^2/NDF: 1381358.6/35



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -251.064+/-1205.580 χ^2/NDF:0.0/0

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

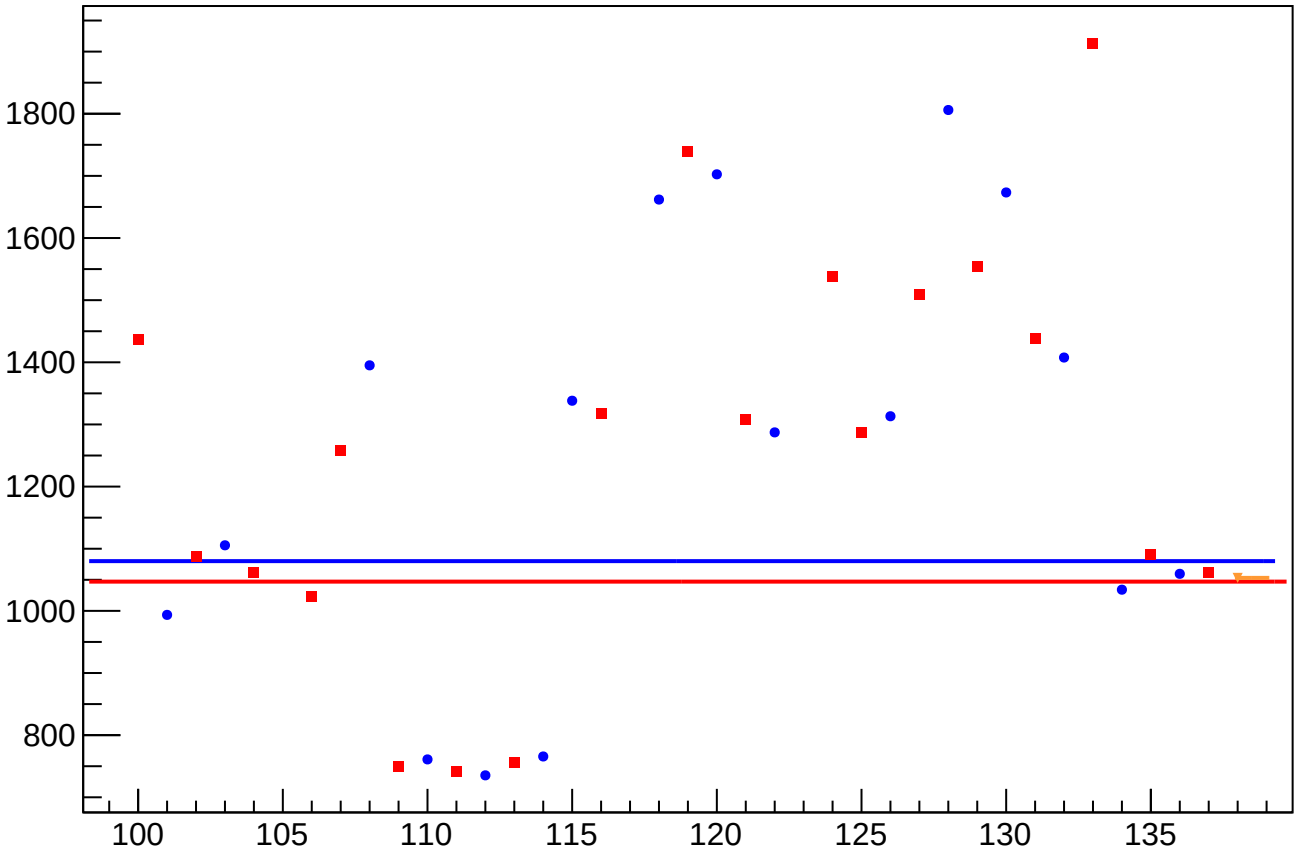
Left: -251.064+/-1205.580 χ^2/NDF: 0.0/0

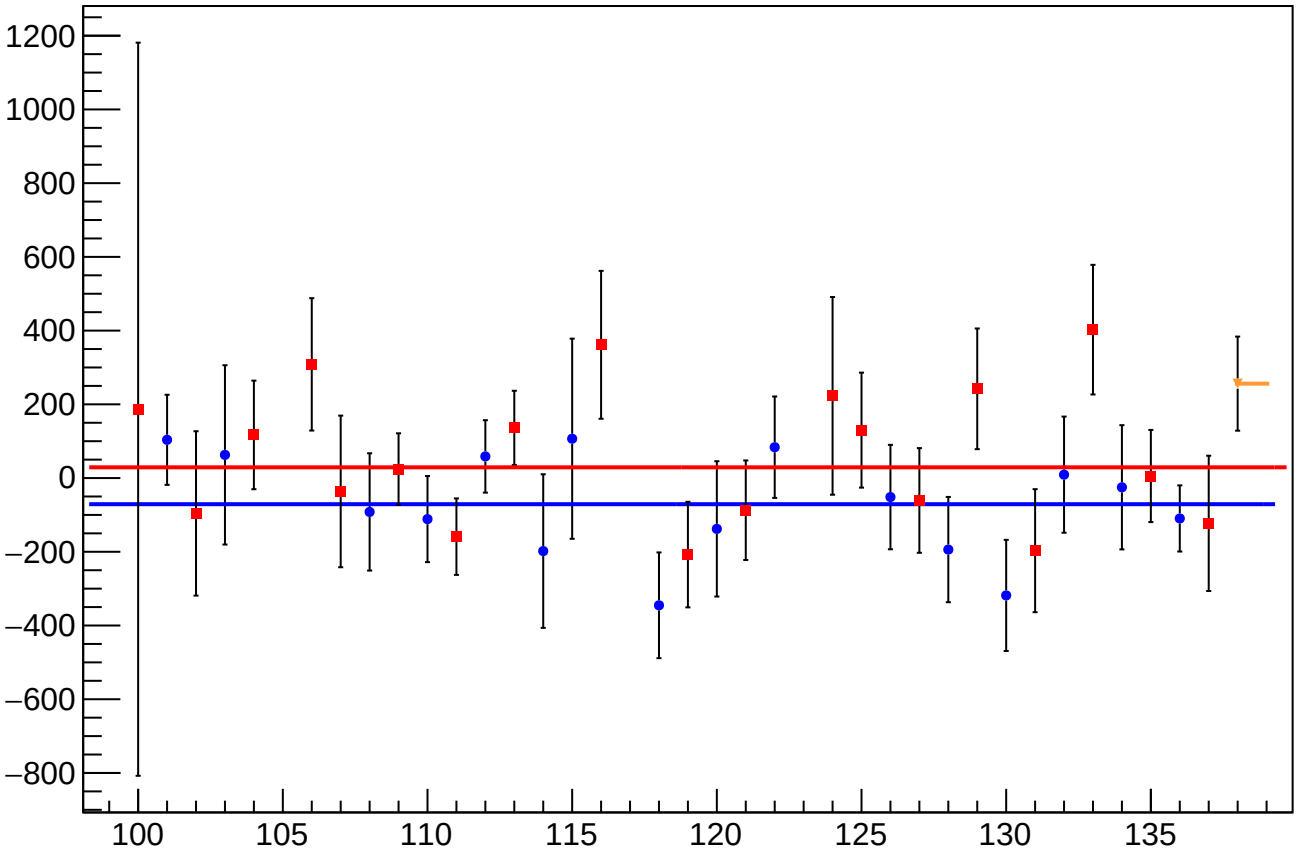
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: -268.485+/-419.578 χ^2/NDF:23.4/15

Out: 868.873+/-380.353 χ^2/NDF:13.6/19

All: 355.830+/-281.800 χ^2/NDF: 41.1/35


asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
100
105
110
115
120
125
130
135
Right In: 1080.045+/-0.297 χ²/NDF: 1053468.5/15
Left Out: 1053.085+/-0.852 χ²/NDF:0.0/0
Right Out: 1047.068+/-0.283 χ²/NDF: 1198646.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1053.085+/-0.852 χ²/NDF: 0.0/0
Right: 1062.803+/-0.205 χ²/NDF: 2258574.4/34
In: 1080.045+/-0.297 χ²/NDF:1053468.5/15
Out: 1047.667+/-0.269 χ²/NDF:1198691.1/19
All: 1062.272+/-0.199 χ²/NDF: 2258697.3/35



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 256.158+/-127.619 χ^2/NDF:0.0/0

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

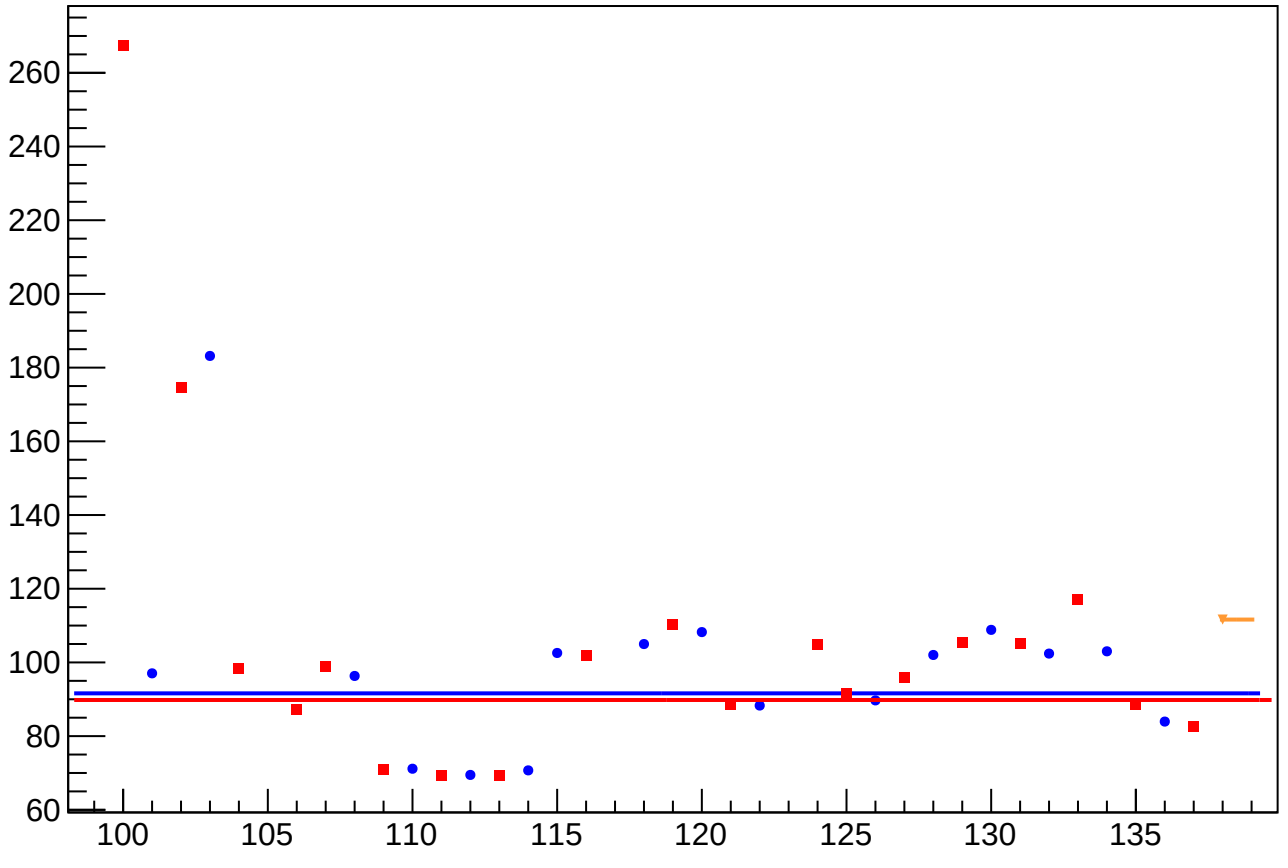
Left: 256.158+/-127.619 χ^2/NDF: 0.0/0

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -70.903+/-35.122 χ^2/NDF:14.1/15

Out: 44.408+/-33.077 χ^2/NDF:26.9/19

All: -9.793+/-24.079 χ^2/NDF: 46.7/35



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 111.631+/-0.090 χ^2/NDF:0.0/0

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 111.631+/-0.090 χ^2/NDF: 0.0/0

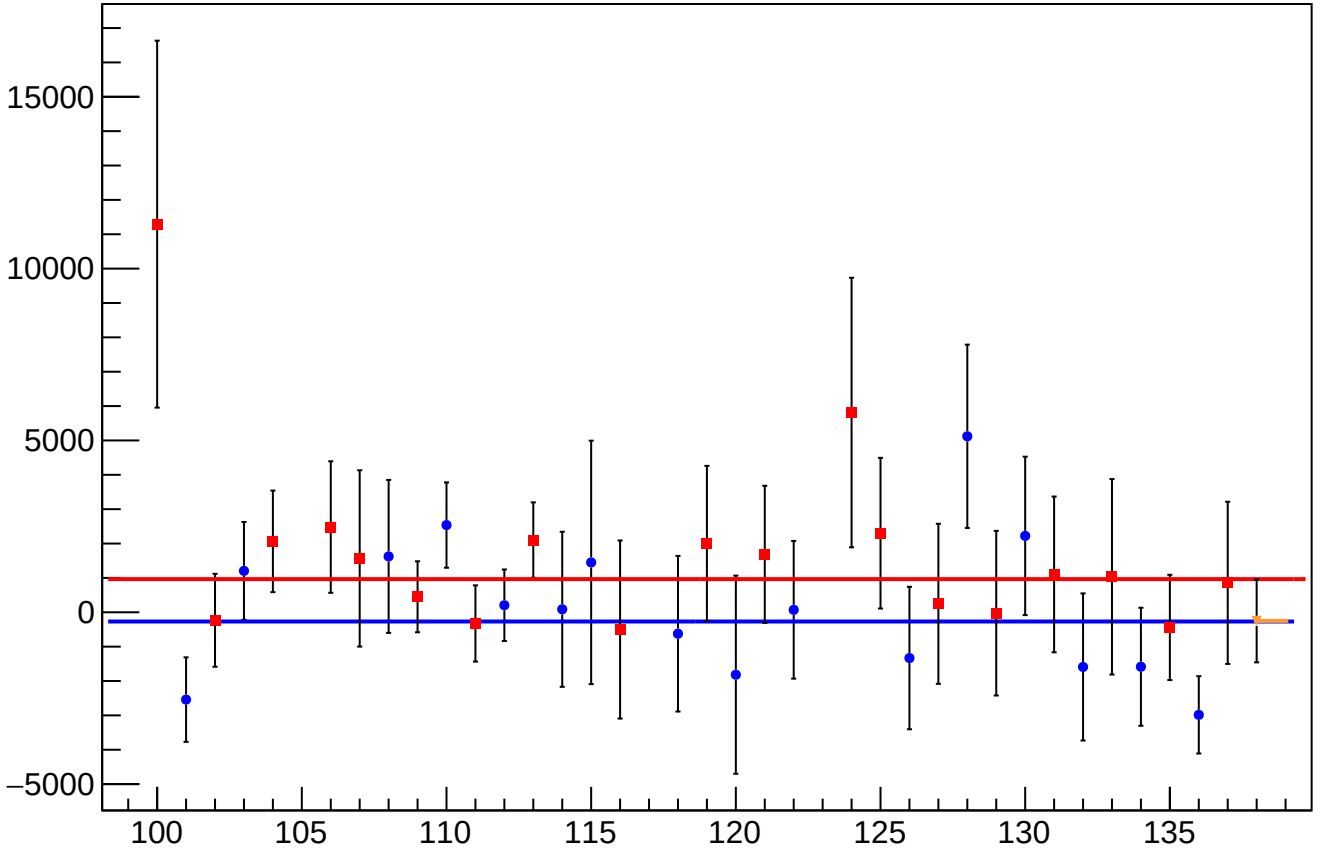
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.608+/-0.025 χ^2/NDF:580675.9/15

Out: 91.273+/-0.023 χ^2/NDF:801393.5/19

All: 91.431+/-0.017 χ^2/NDF: 1382165.8/35

asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -251.069+/-1205.579 χ^2/NDF:0.0/0

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

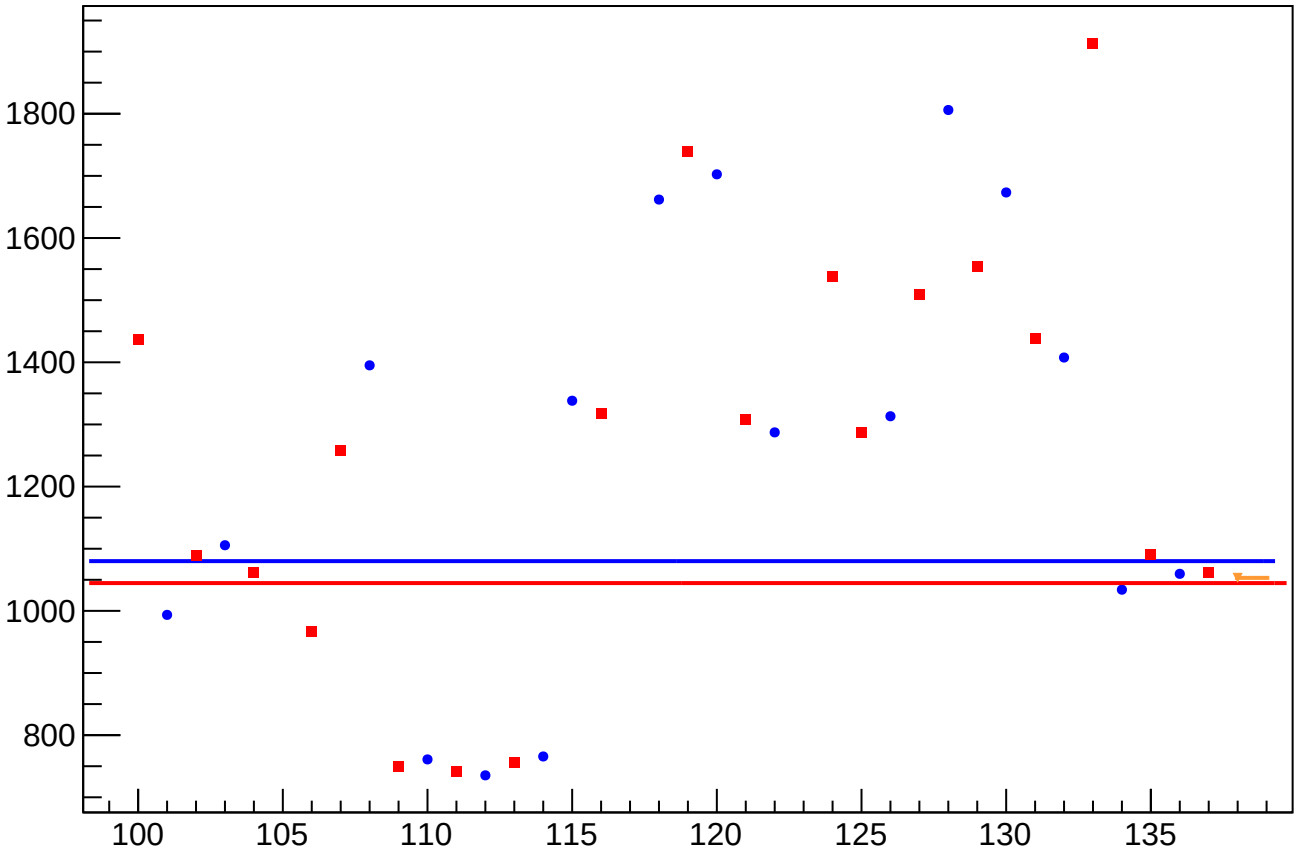
Left: -251.069+/-1205.579 χ^2/NDF: 0.0/0

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -268.506+/-419.581 χ^2/NDF:23.4/15

Out: 843.504+/-381.044 χ^2/NDF:13.0/19

All: 340.901+/-282.081 χ^2/NDF: 40.3/35



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 1053.084+/-0.852 χ^2/NDF:0.0/0

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

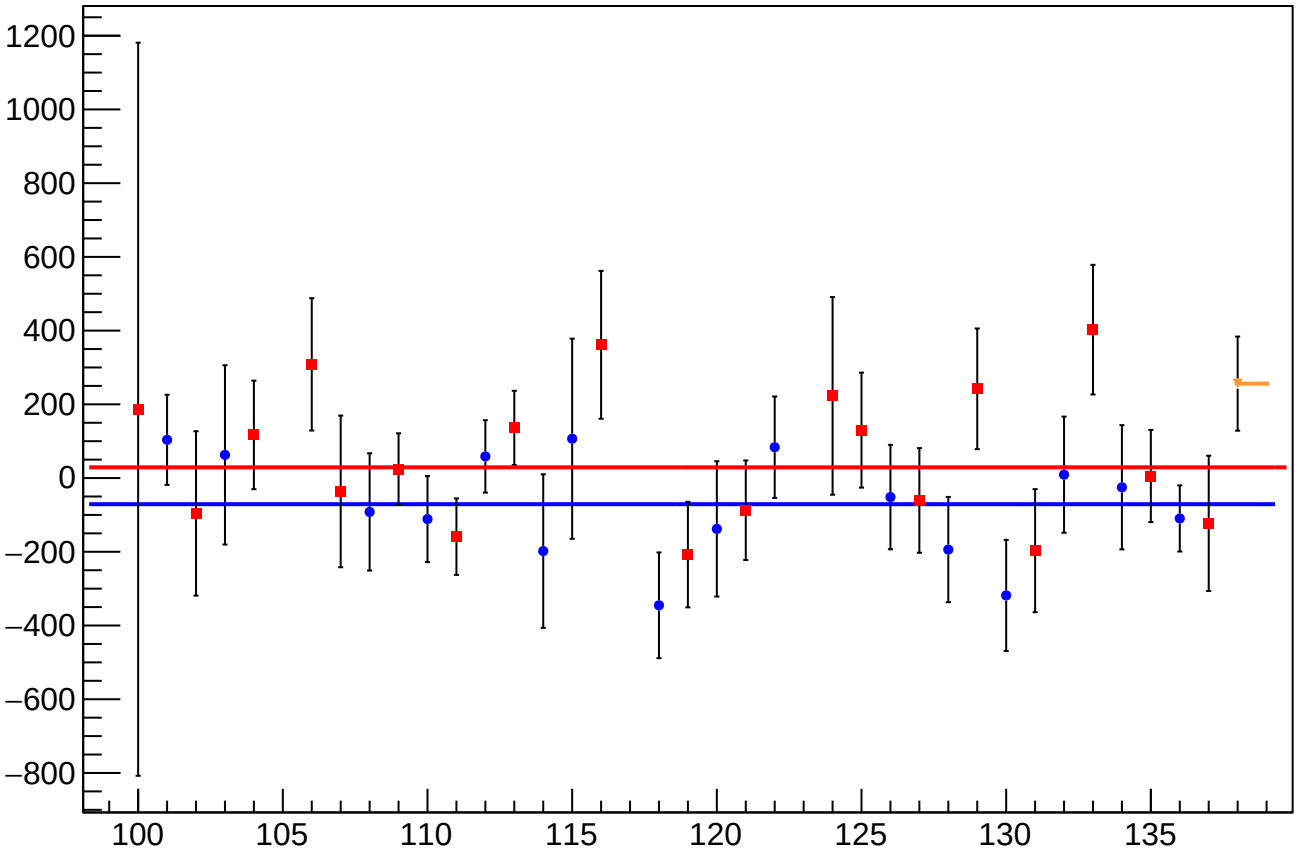
Left: 1053.084+/-0.852 χ^2/NDF: 0.0/0

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 1080.054+/-0.297 χ^2/NDF:1053475.0/15

Out: 1045.552+/-0.269 χ^2/NDF:1201912.5/19

All: 1061.146+/-0.199 χ^2/NDF: 2262798.3/35



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 256.158+/-127.619 χ^2/NDF:0.0/0

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

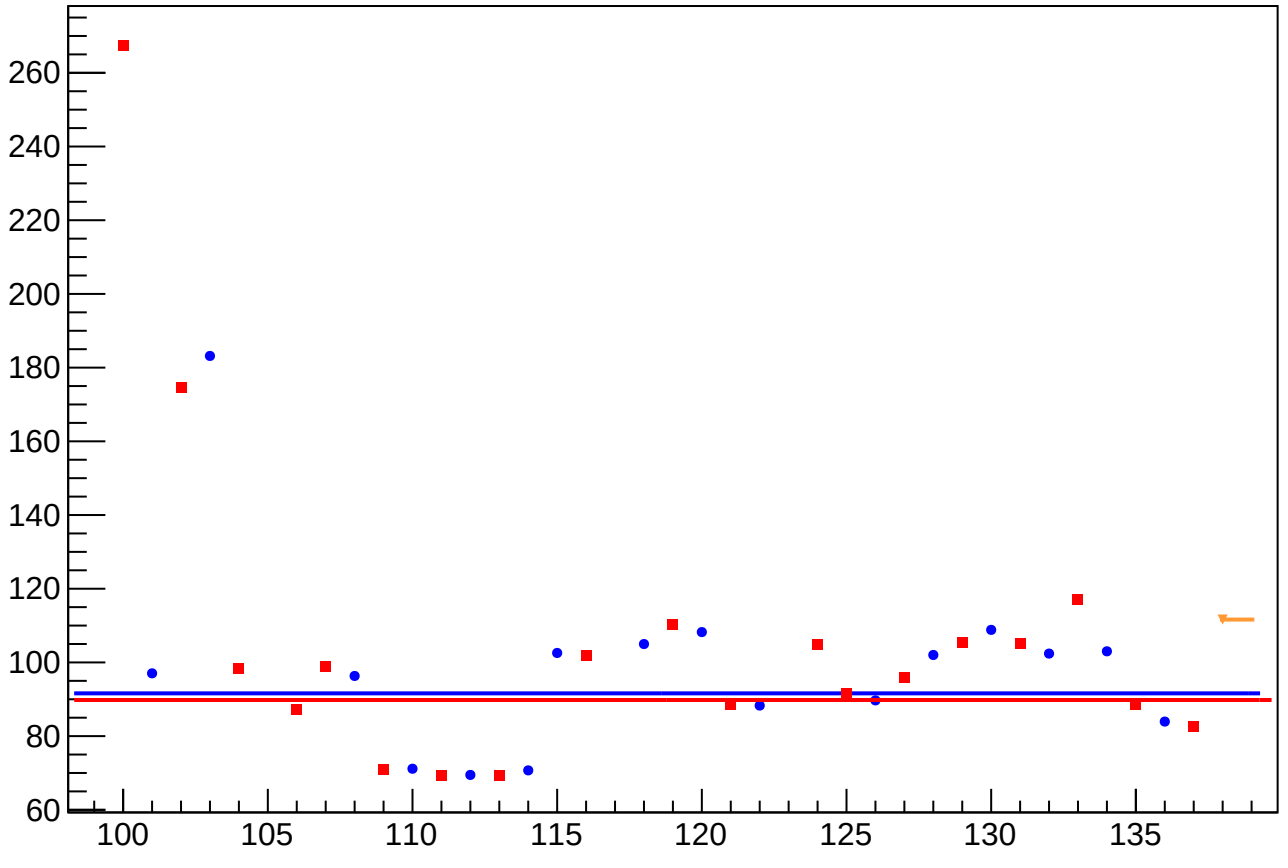
Left: 256.158+/-127.619 χ^2/NDF: 0.0/0

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -70.903+/-35.122 χ^2/NDF:14.1/15

Out: 44.408+/-33.077 χ^2/NDF:26.9/19

All: -9.793+/-24.079 χ^2/NDF: 46.7/35



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 111.631+/-0.090 χ^2/NDF:0.0/0

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 111.631+/-0.090 χ^2/NDF: 0.0/0

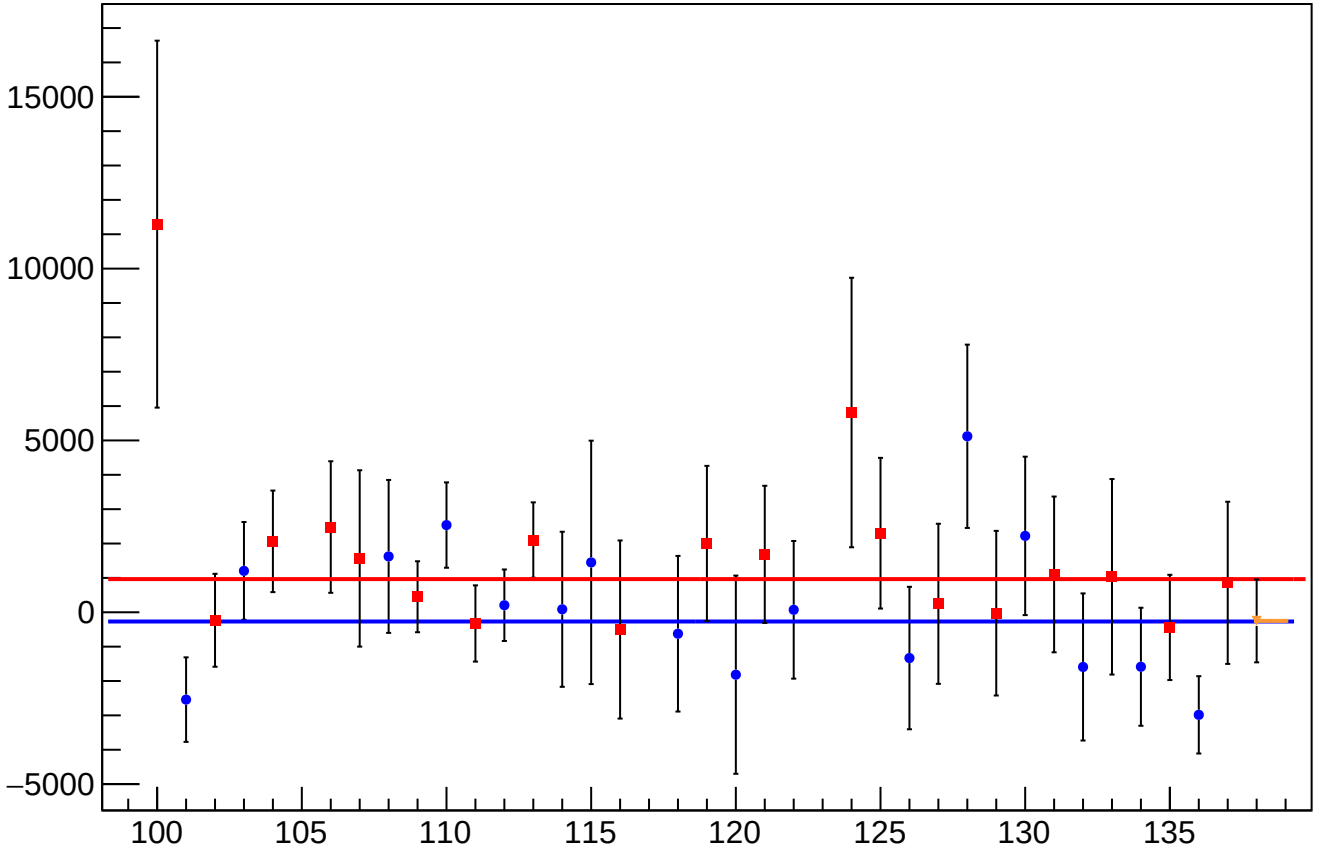
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.608+/-0.025 χ^2/NDF:580675.9/15

Out: 91.273+/-0.023 χ^2/NDF:801393.5/19

All: 91.431+/-0.017 χ^2/NDF: 1382165.8/35

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: -251.069+/-1205.579 χ^2/NDF:0.0/0

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

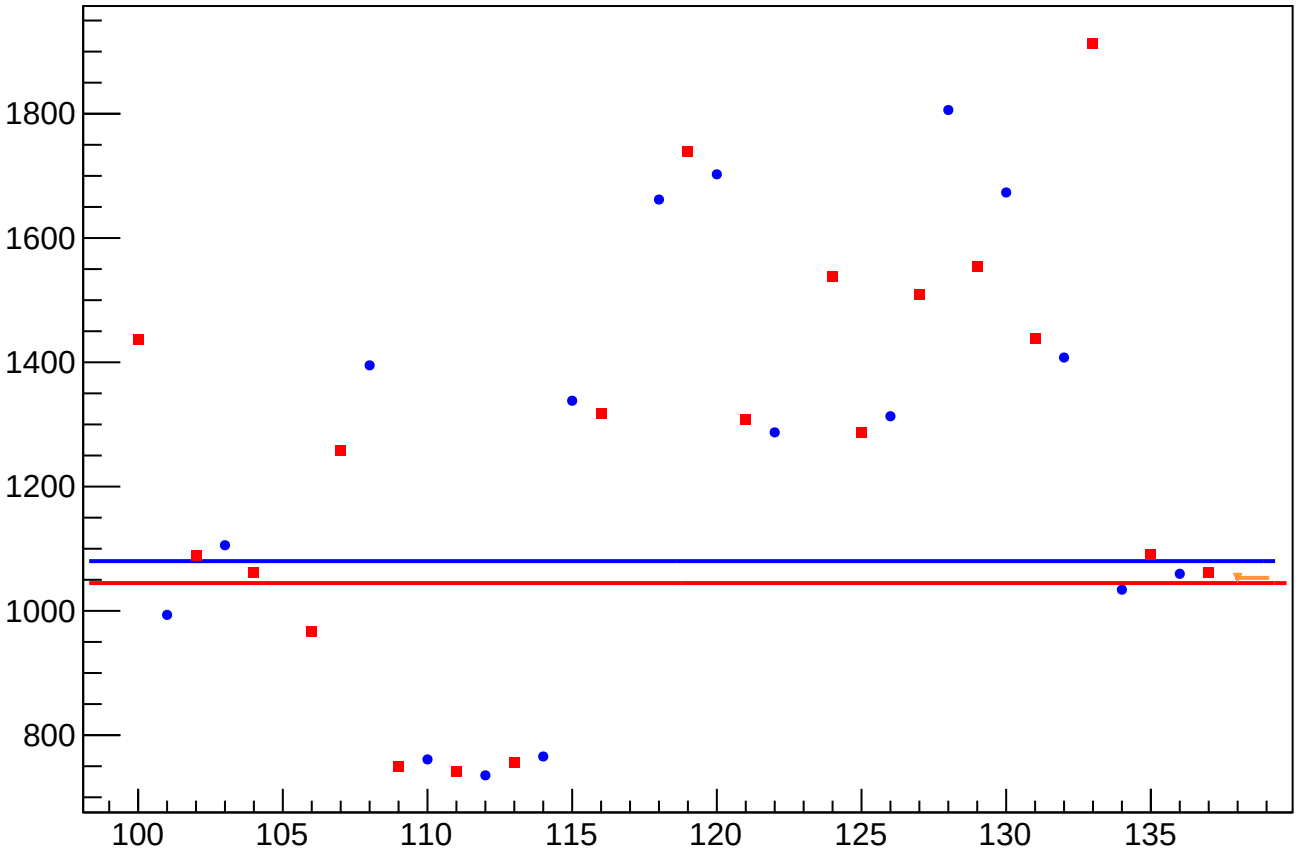
Left: -251.069+/-1205.579 χ^2/NDF: 0.0/0

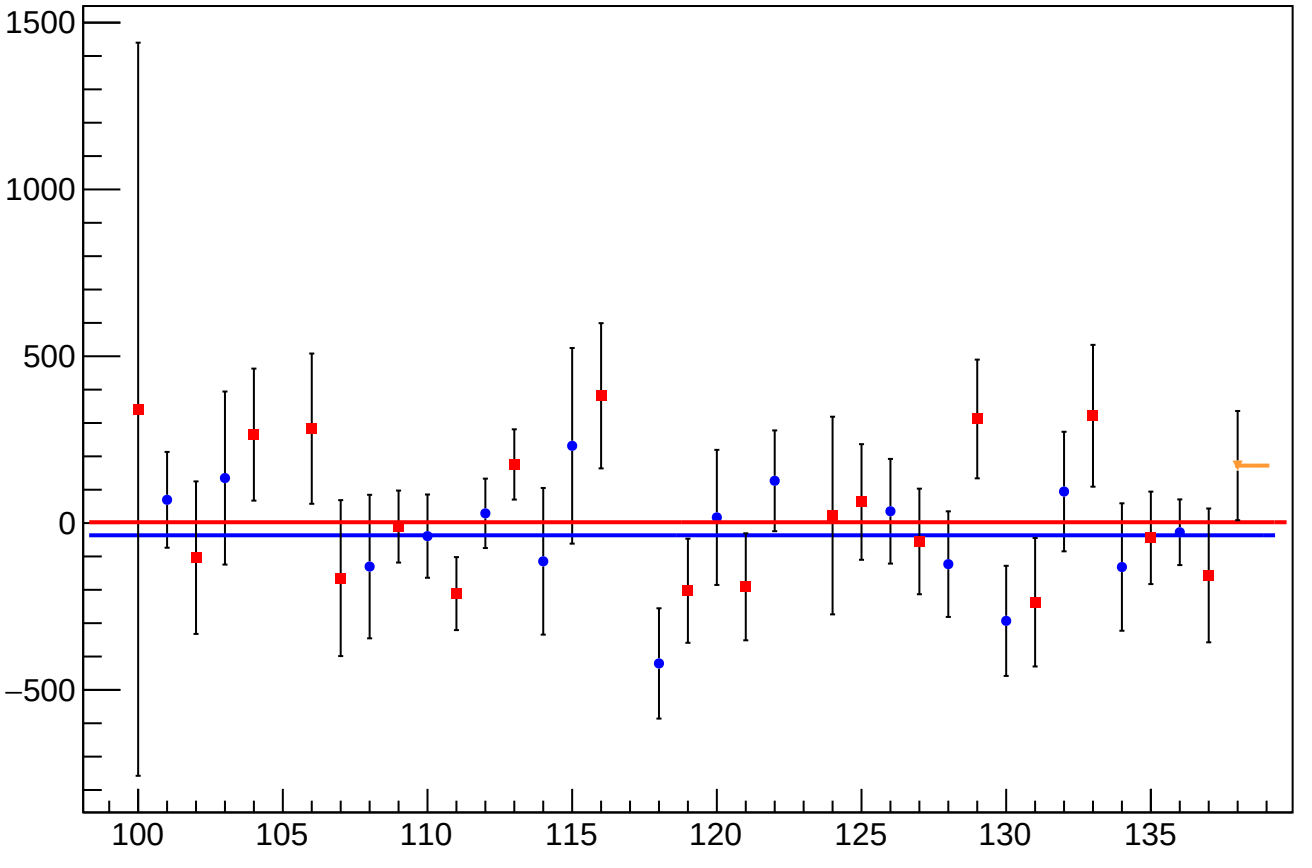
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -268.506+/-419.581 χ^2/NDF:23.4/15

Out: 843.504+/-381.044 χ^2/NDF:13.0/19

All: 340.901+/-282.081 χ^2/NDF: 40.3/35


asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
100
105
110
115
120
125
130
135
Right In: 1080.054+/-0.297 χ²/NDF: 1053475.0/15
Left Out: 1053.084+/-0.852 χ²/NDF:0.0/0
Right Out: 1044.717+/-0.284 χ²/NDF: 1201825.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1053.084+/-0.852 χ²/NDF: 0.0/0
Right: 1061.613+/-0.205 χ²/NDF: 2262703.7/34
In: 1080.054+/-0.297 χ²/NDF:1053475.0/15
Out: 1045.552+/-0.269 χ²/NDF:1201912.5/19
All: 1061.146+/-0.199 χ²/NDF: 2262798.3/35



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 172.311+/-163.664 χ^2/NDF:0.0/0

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

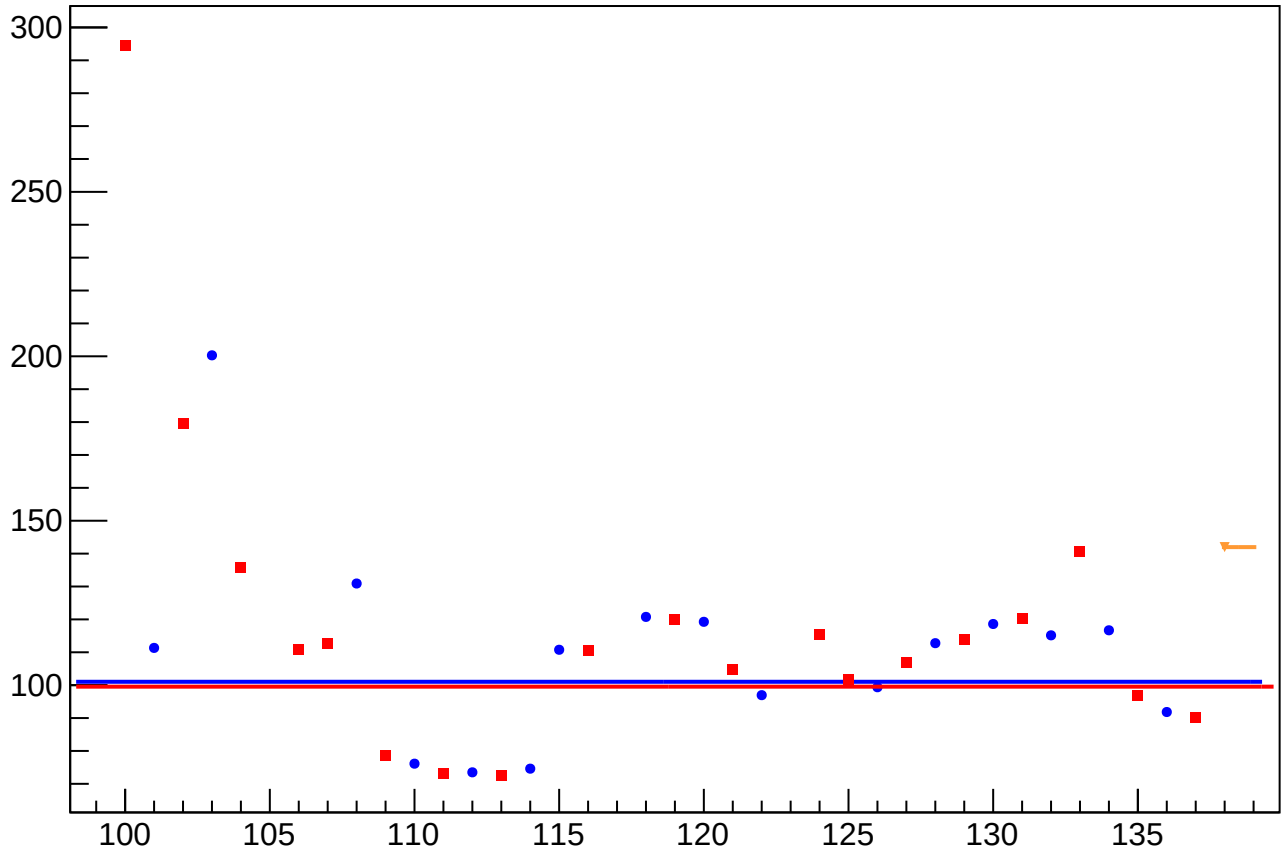
Left: 172.311+/-163.664 χ^2/NDF: 0.0/0

Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: -36.590+/-38.991 χ^2/NDF:12.9/15

Out: 11.322+/-37.168 χ^2/NDF:25.8/19

All: -11.488+/-26.903 χ^2/NDF: 39.4/35



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 141.978+/-0.116 χ^2/NDF:0.0/0

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

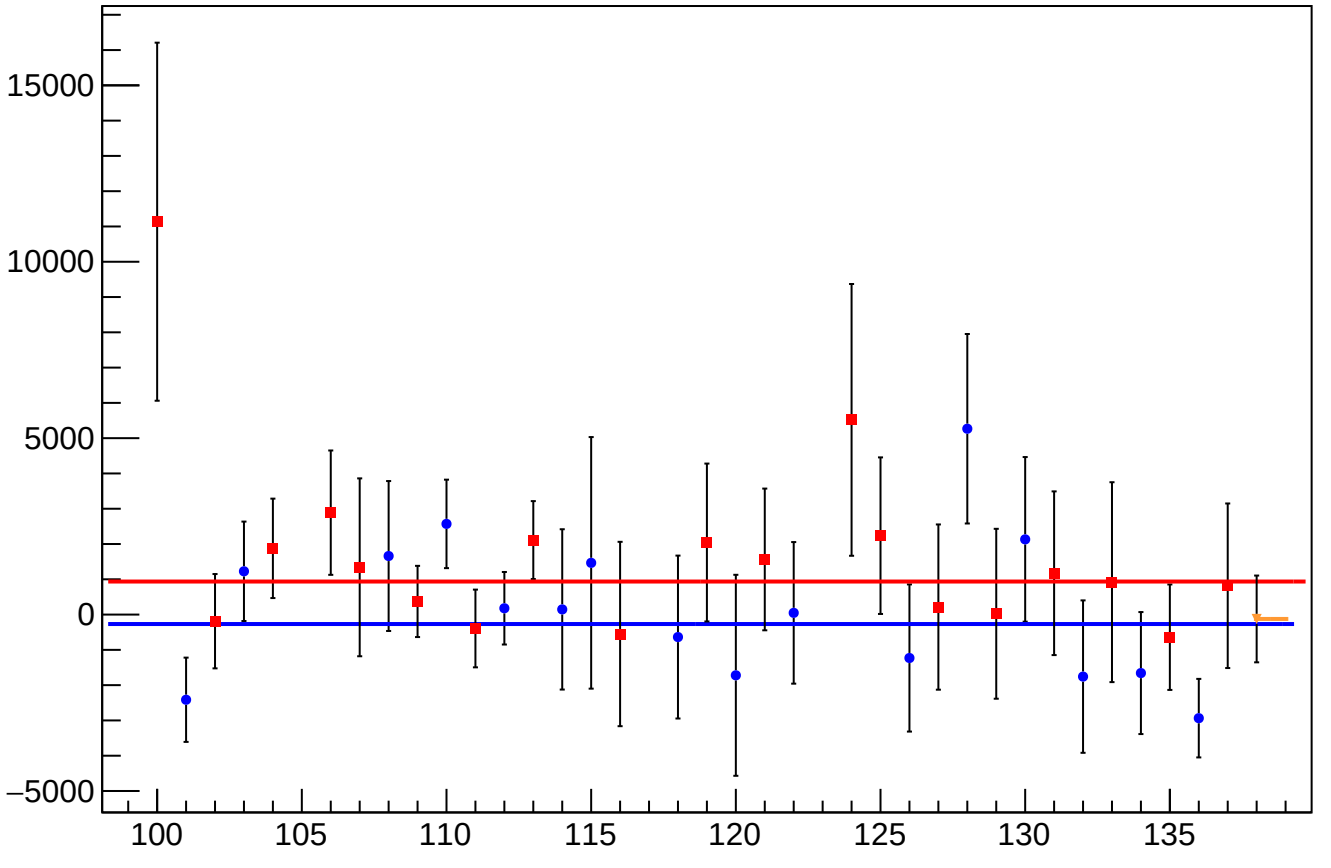
Left: 141.978+/-0.116 χ^2/NDF: 0.0/0

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 101.031+/-0.028 χ^2/NDF:716095.9/15

Out: 101.735+/-0.026 χ^2/NDF:1007989.5/19

All: 101.400+/-0.019 χ^2/NDF: 1724427.1/35



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -123.630+/-1229.758 χ^2/NDF:0.0/0

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

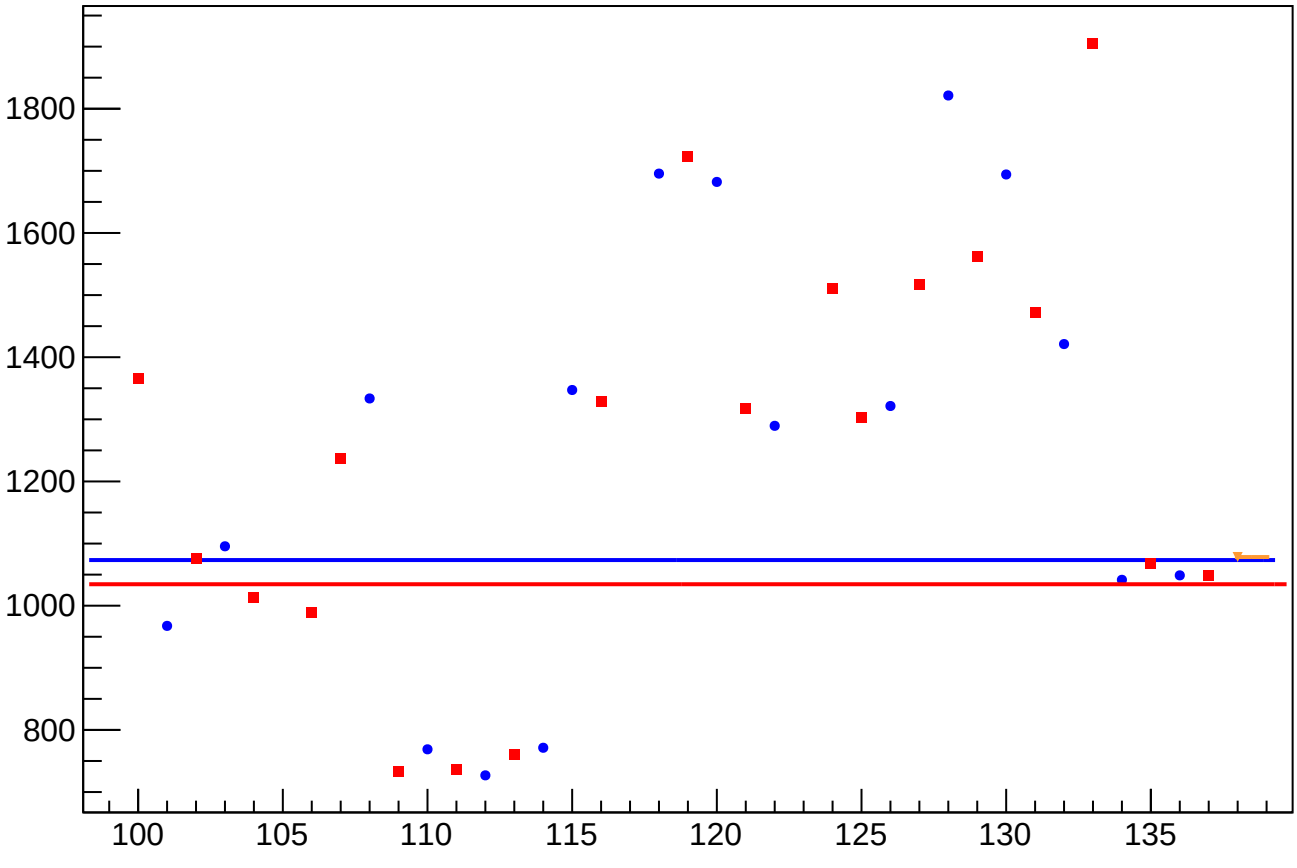
Left: -123.630+/-1229.758 χ^2/NDF: 0.0/0

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: -267.886+/-417.061 χ^2/NDF:23.5/15

Out: 837.004+/-377.141 χ^2/NDF:13.8/19

All: 339.956+/-279.730 χ^2/NDF: 41.1/35



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 1078.308+/-0.870 χ^2/NDF:0.0/0

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

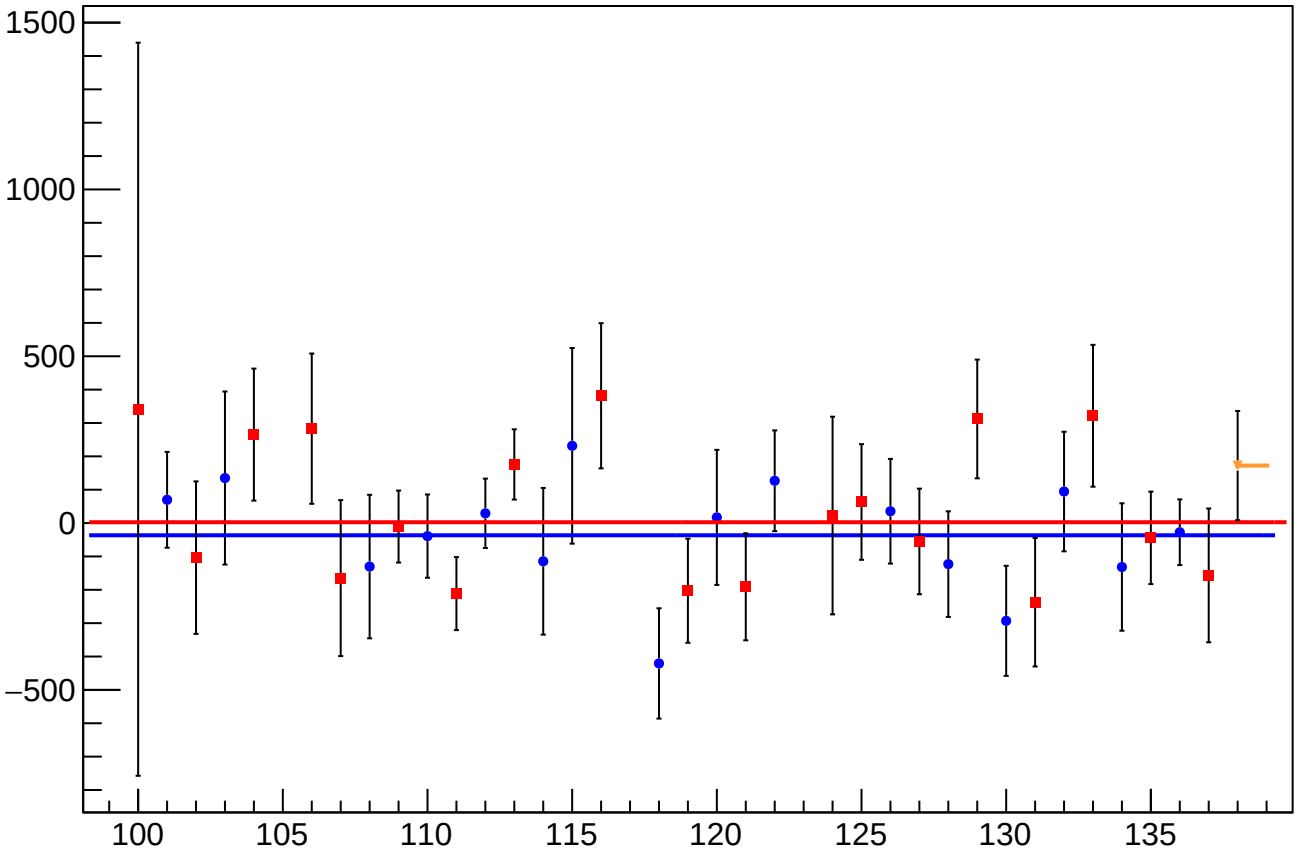
Left: 1078.308+/-0.870 χ^2/NDF: 0.0/0

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 1073.456+/-0.295 χ^2/NDF:1077055.9/15

Out: 1038.652+/-0.267 χ^2/NDF:1231639.8/19

All: 1054.309+/-0.198 χ^2/NDF: 2316357.8/35



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 172.305+/-163.664 χ^2/NDF:0.0/0

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

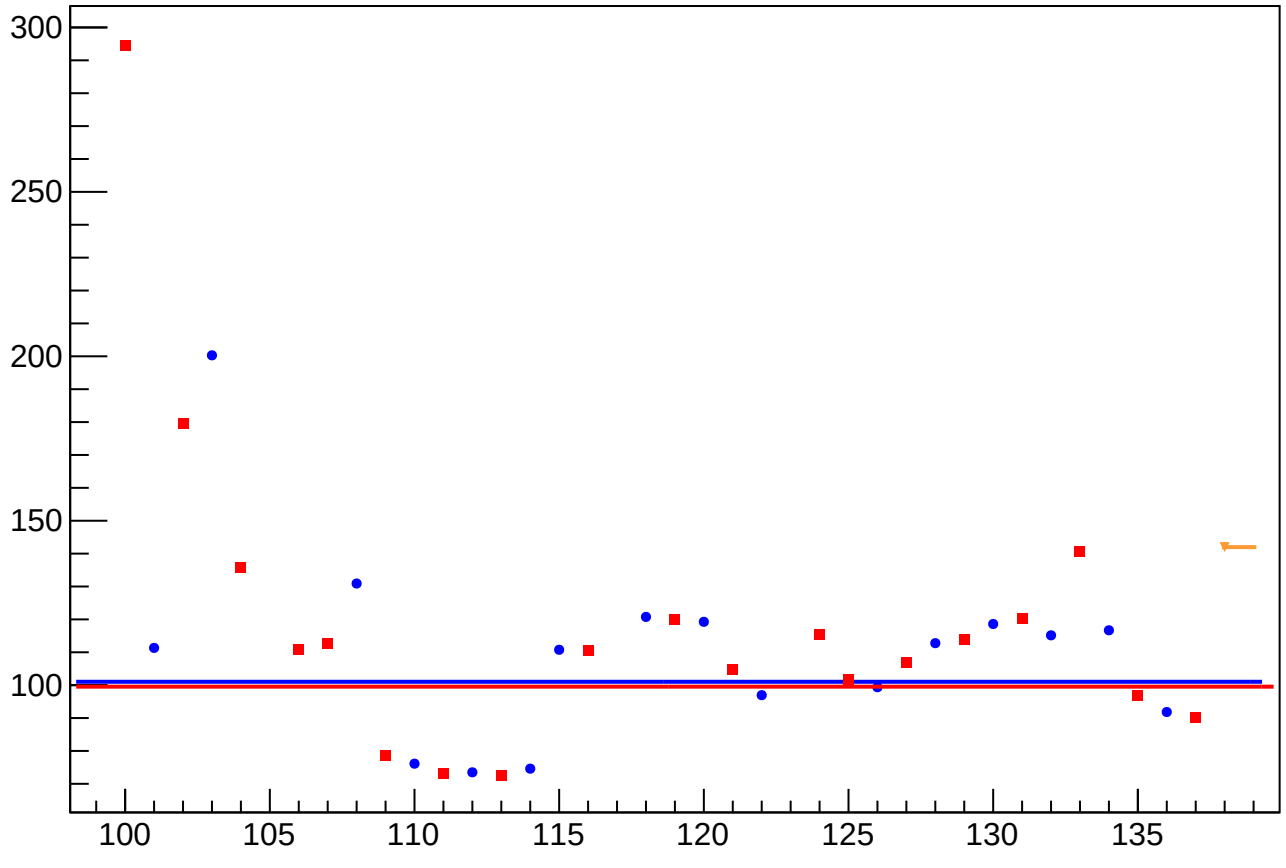
Left: 172.305+/-163.664 χ^2/NDF: 0.0/0

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: -36.589+/-38.991 χ^2/NDF:12.9/15

Out: 11.320+/-37.168 χ^2/NDF:25.8/19

All: -11.488+/-26.903 χ^2/NDF: 39.4/35



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 141.977+/-0.116 χ^2/NDF:0.0/0

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 141.977+/-0.116 χ^2/NDF: 0.0/0

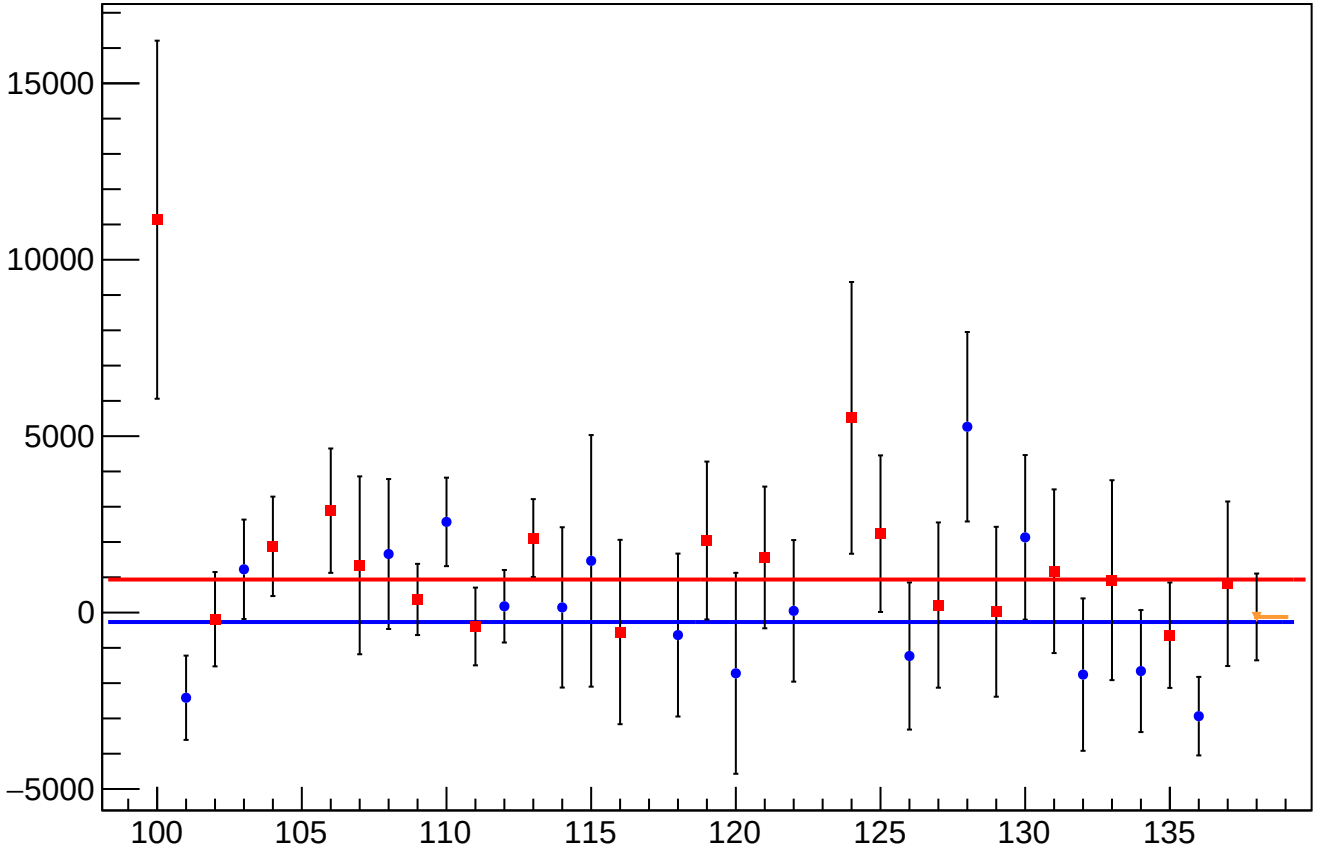
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 101.031+/-0.028 χ^2/NDF:716094.5/15

Out: 101.735+/-0.026 χ^2/NDF:1007989.4/19

All: 101.400+/-0.019 χ^2/NDF: 1724425.6/35

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: -123.636+/-1229.756 χ^2/NDF:0.0/0

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

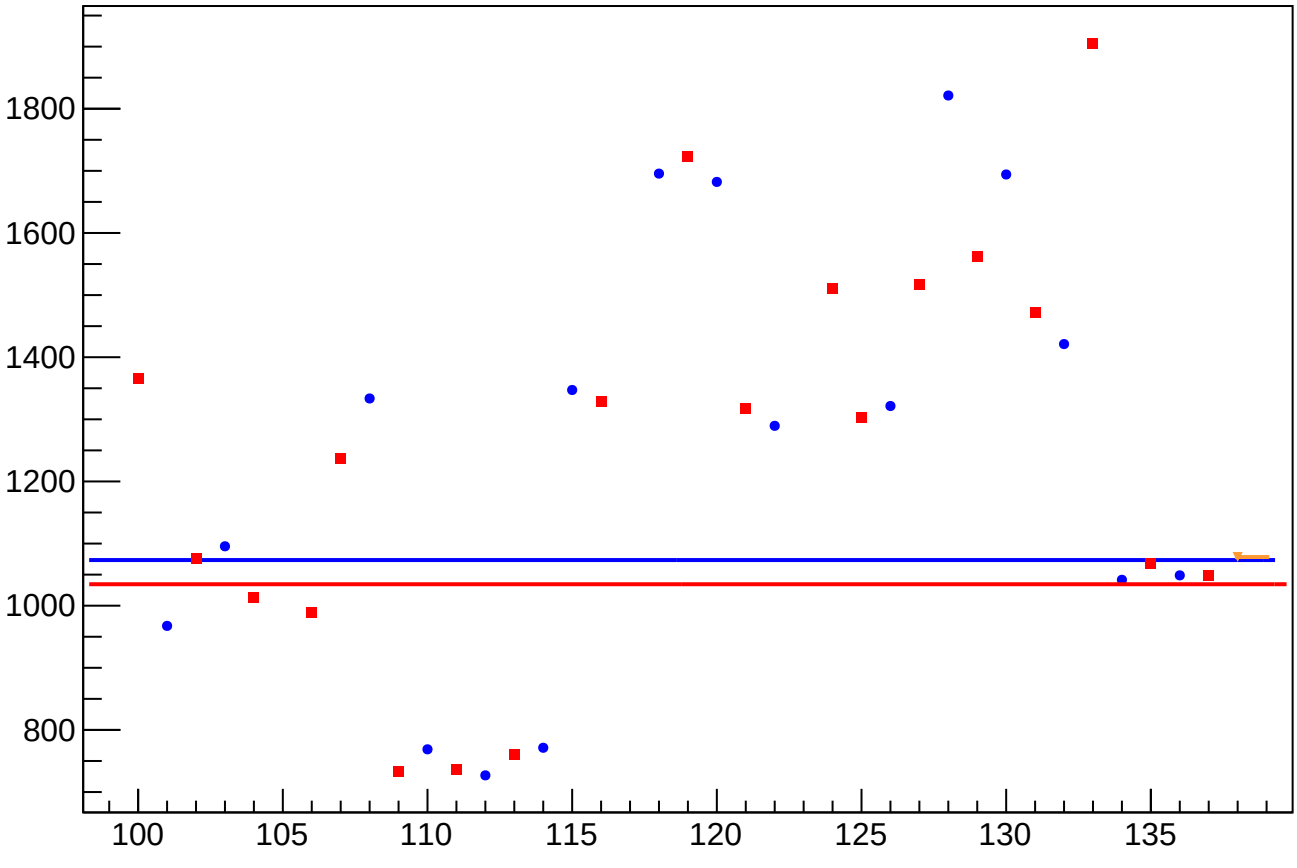
Left: -123.636+/-1229.756 χ^2/NDF: 0.0/0

Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: -267.885+/-417.061 χ^2/NDF:23.5/15

Out: 837.002+/-377.141 χ^2/NDF:13.8/19

All: 339.955+/-279.730 χ^2/NDF: 41.1/35



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 1078.306+/-0.870 χ^2/NDF:0.0/0

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

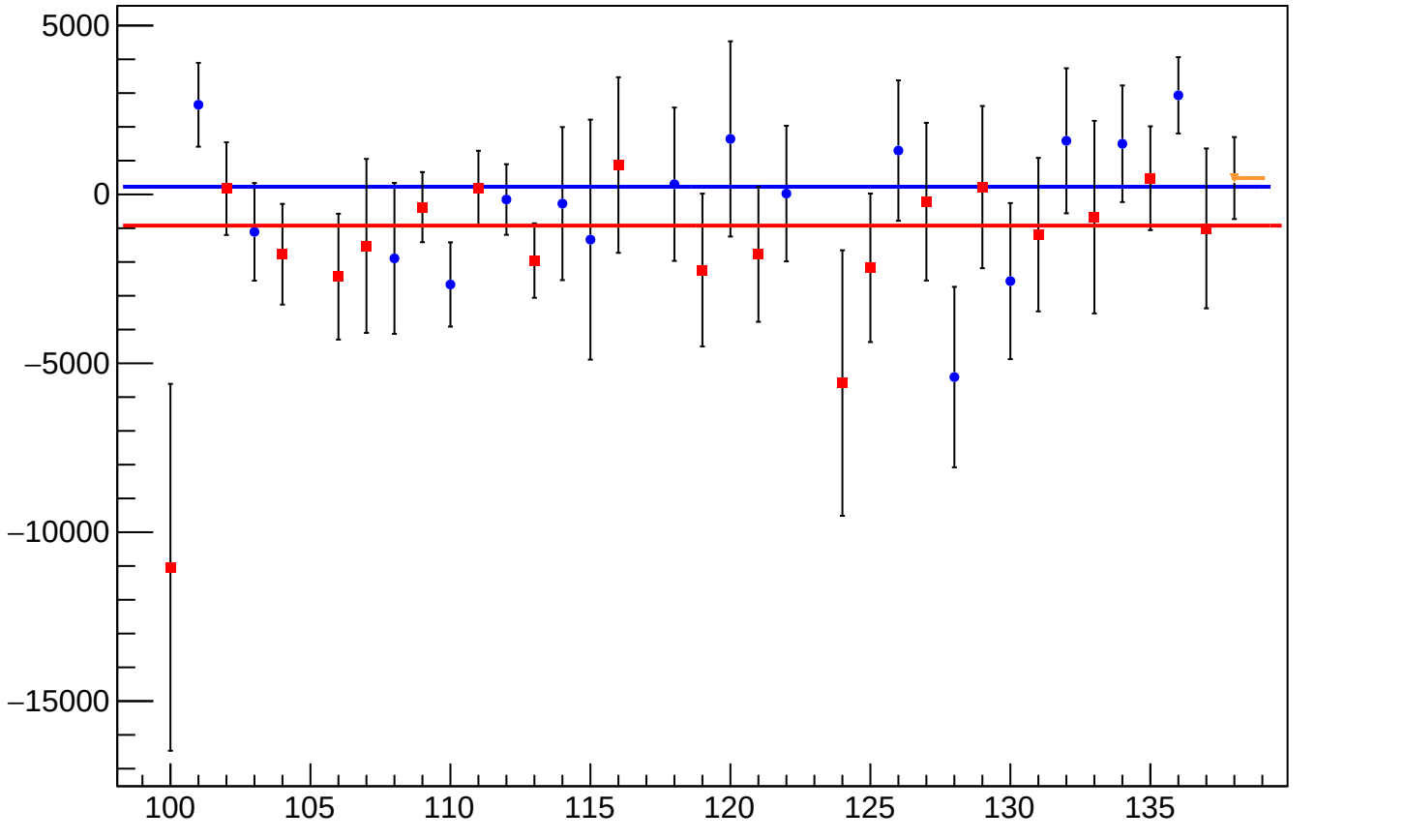
Left: 1078.306+/-0.870 χ^2/NDF: 0.0/0

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 1073.454+/-0.295 χ^2/NDF:1077061.8/15

Out: 1038.650+/-0.267 χ^2/NDF:1231642.3/19

All: 1054.307+/-0.198 χ^2/NDF: 2316366.1/35



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 484.395+/-1212.488 χ^2/NDF:0.0/0

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 484.395+/-1212.488 χ^2/NDF: 0.0/0

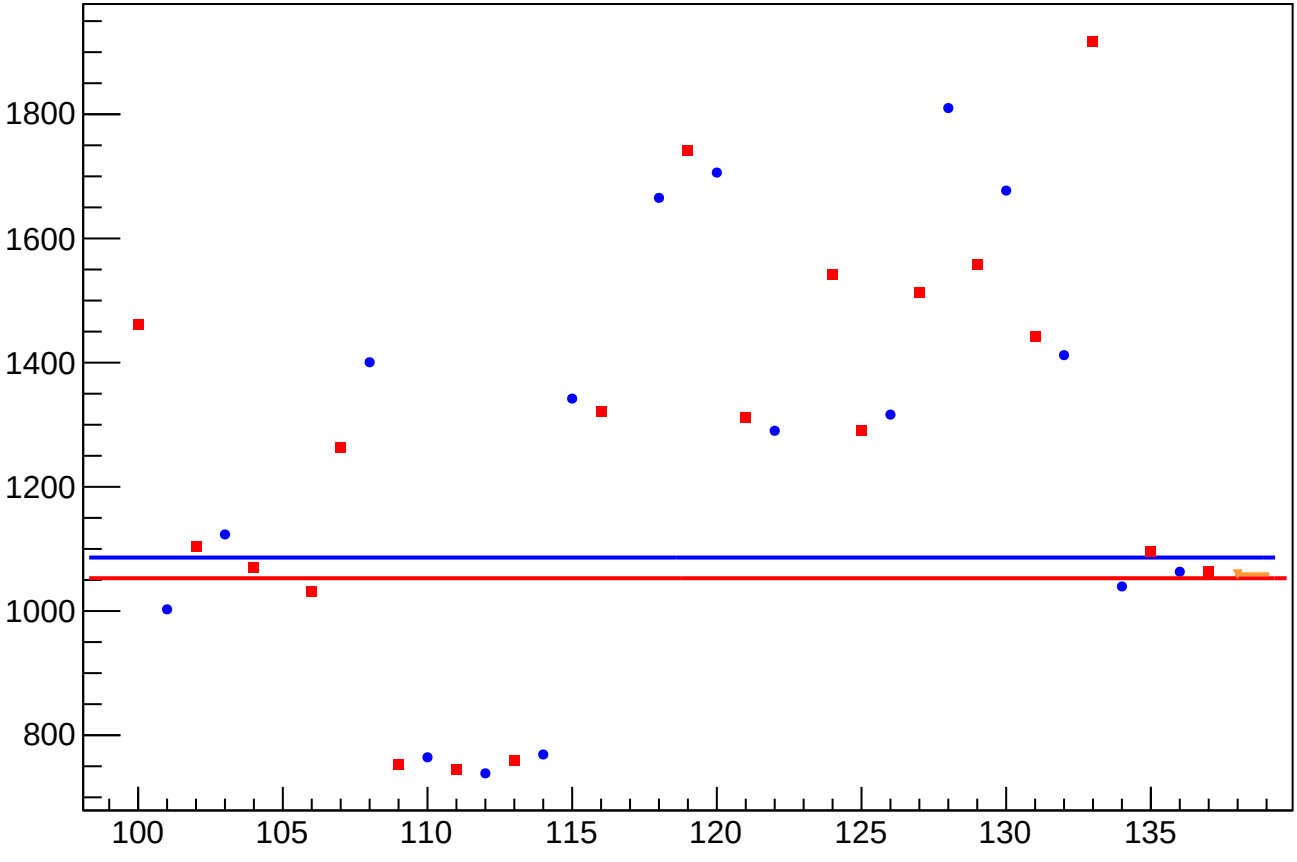
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: 227.502+/-421.838 χ^2/NDF:24.4/15

Out: -783.509+/-382.516 χ^2/NDF:12.4/19

All: -327.310+/-283.364 χ^2/NDF: 40.0/35

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 1059.177+/-0.857 χ^2/NDF:0.0/0

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

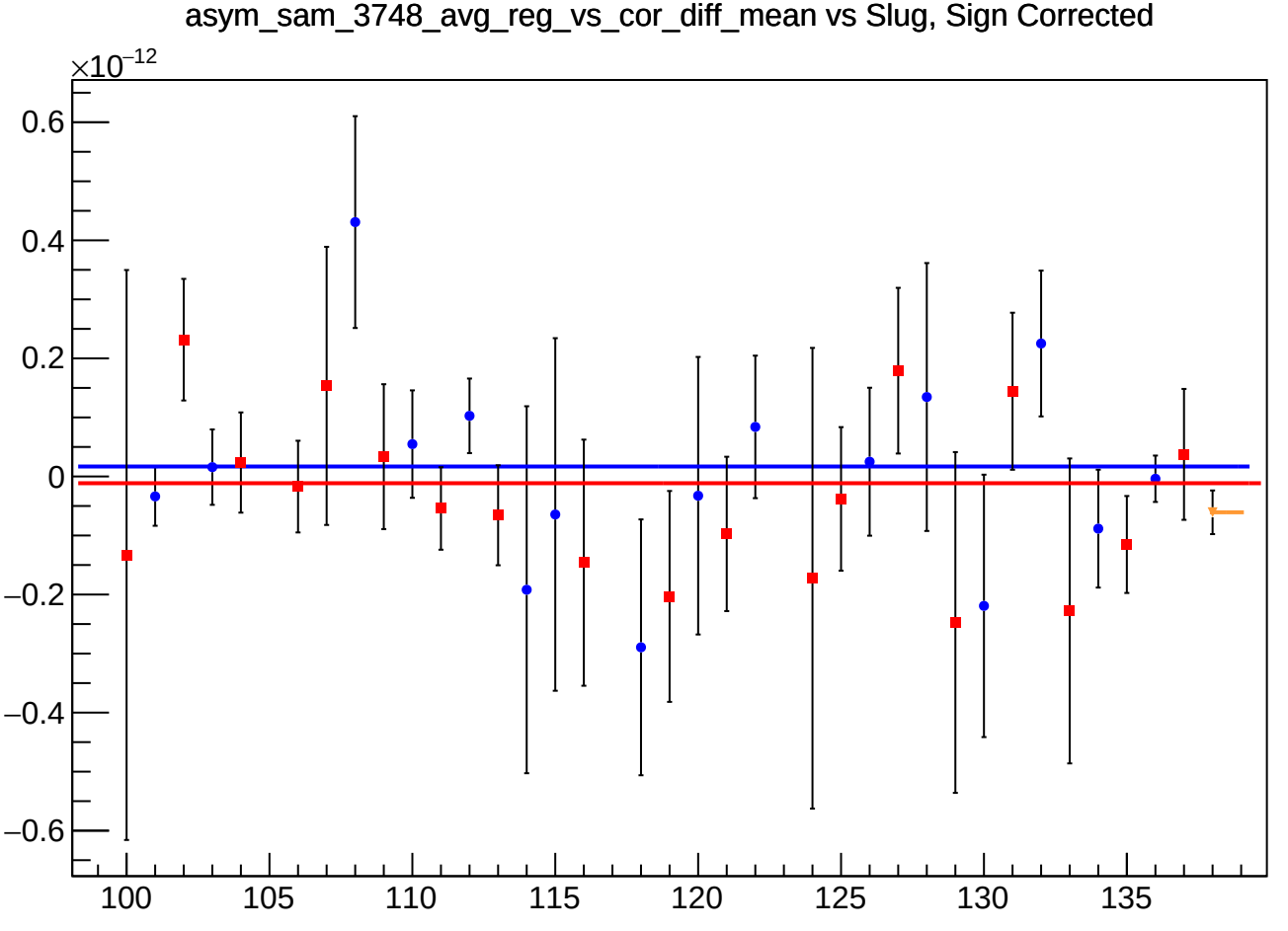
Left: 1059.177+/-0.857 χ^2/NDF: 0.0/0

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 1086.137+/-0.298 χ^2/NDF:1047479.6/15

Out: 1053.462+/-0.270 χ^2/NDF:1194470.1/19

All: 1068.206+/-0.200 χ^2/NDF: 2248534.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

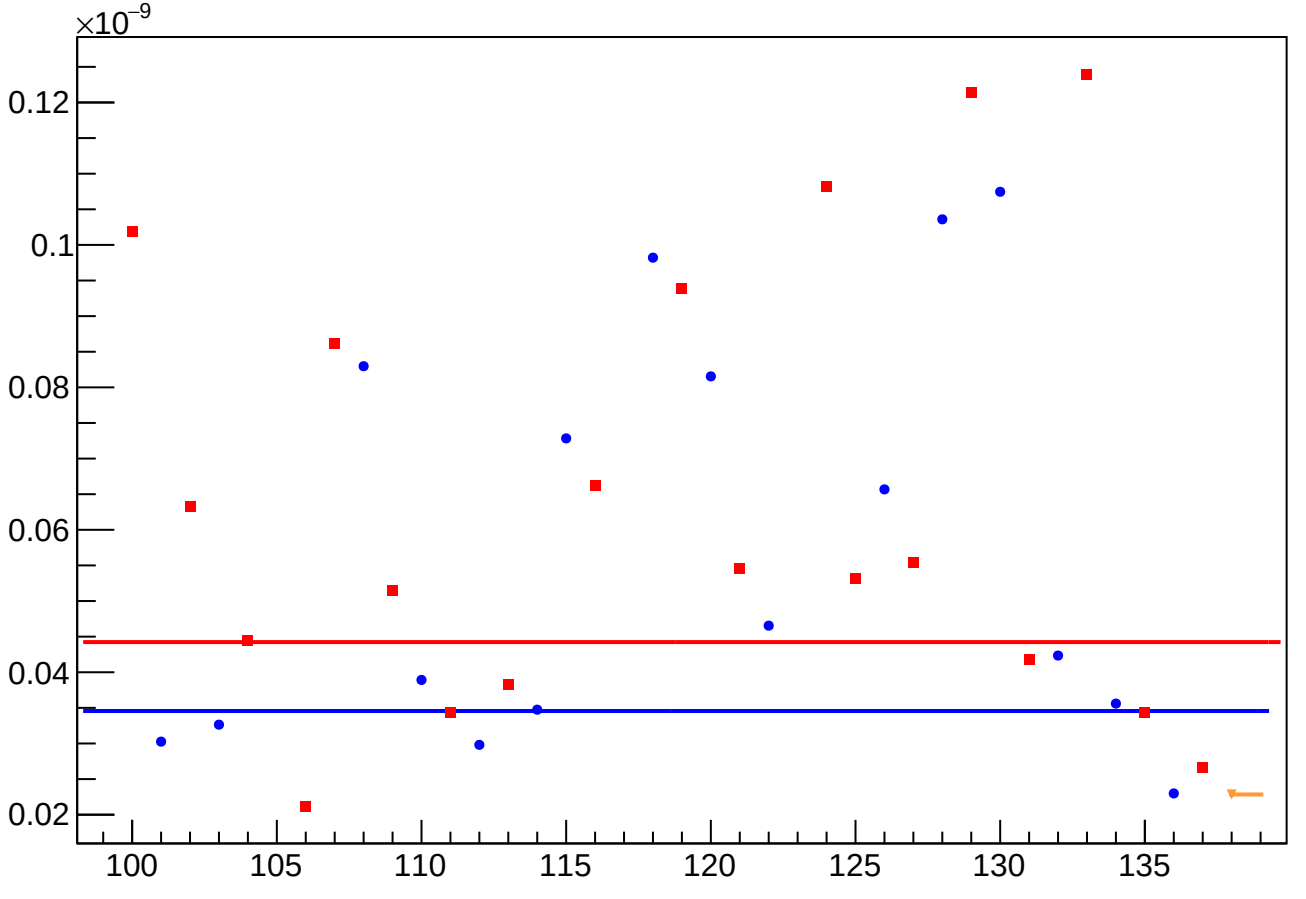
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:16.9/15

Out: -0.000+/-0.000 χ^2/NDF:17.0/19

All: -0.000+/-0.000 χ^2/NDF: 36.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

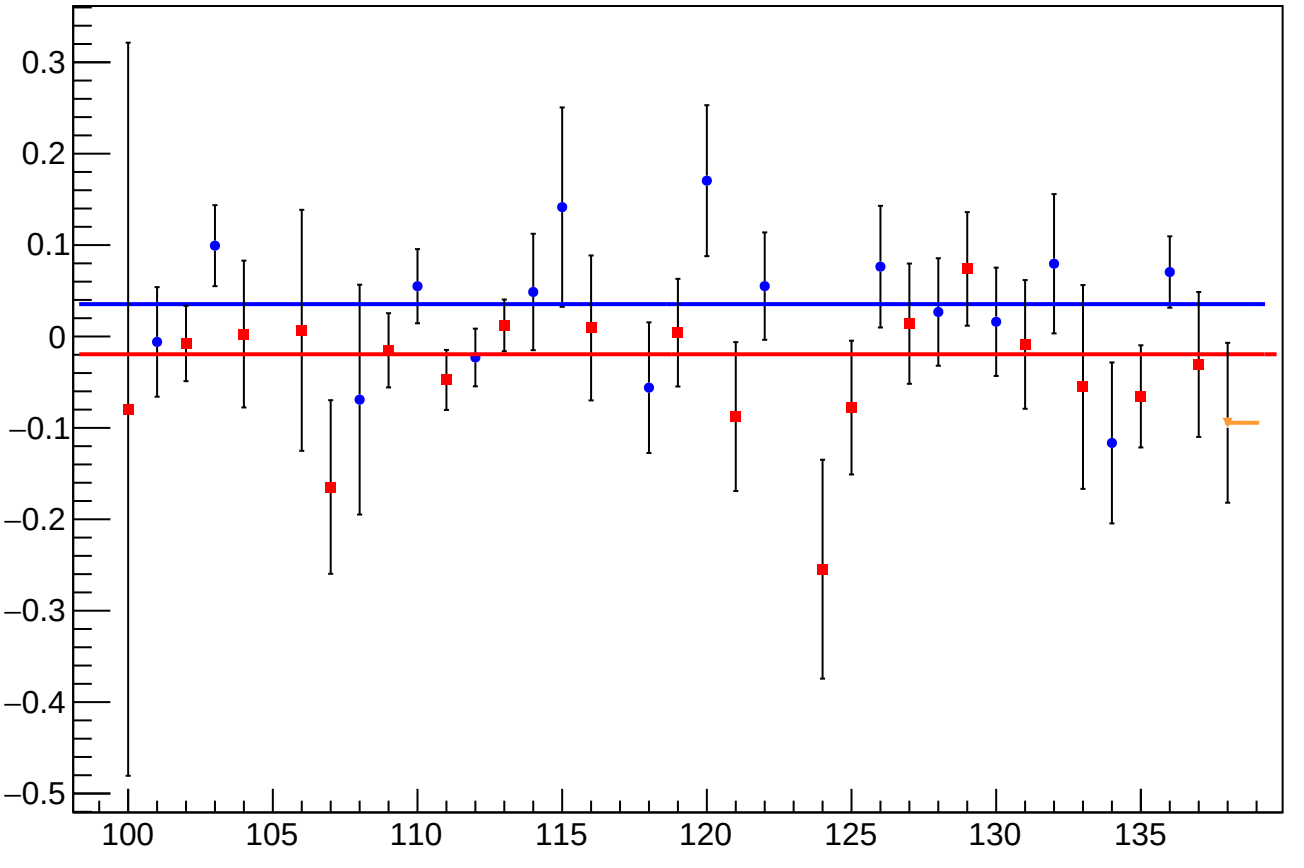
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:1188815.4/15

Out: 0.000+/-0.000 χ^2/NDF:1510784.9/19

All: 0.000+/-0.000 χ^2/NDF: 2710522.6/35



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.094+/-0.087 χ^2/NDF:0.0/0

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

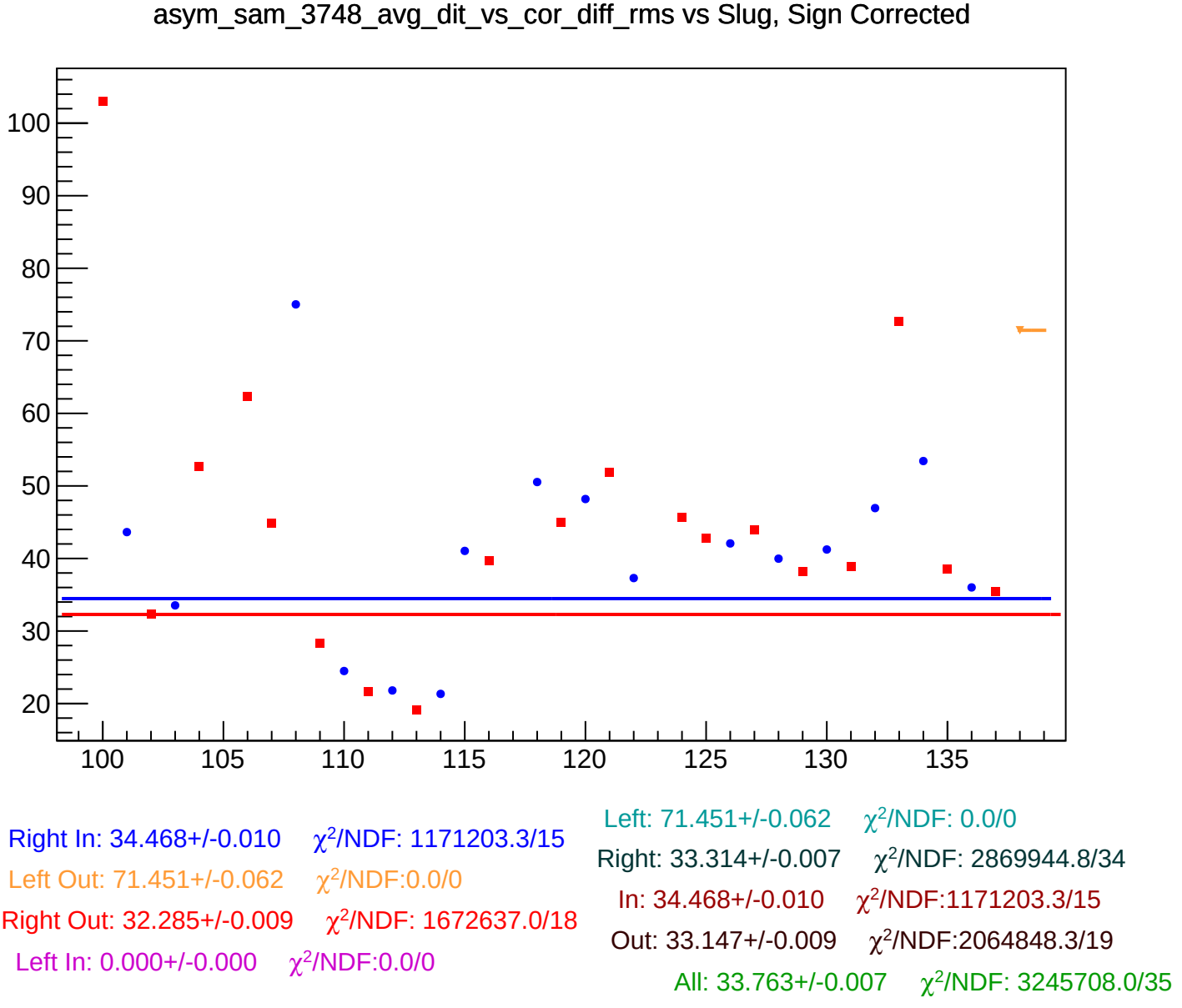
Left: -0.094+/-0.087 χ^2/NDF: 0.0/0

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.035+/-0.014 χ^2/NDF:16.9/15

Out: -0.021+/-0.013 χ^2/NDF:14.1/19

All: 0.005+/-0.009 χ^2/NDF: 39.9/35


asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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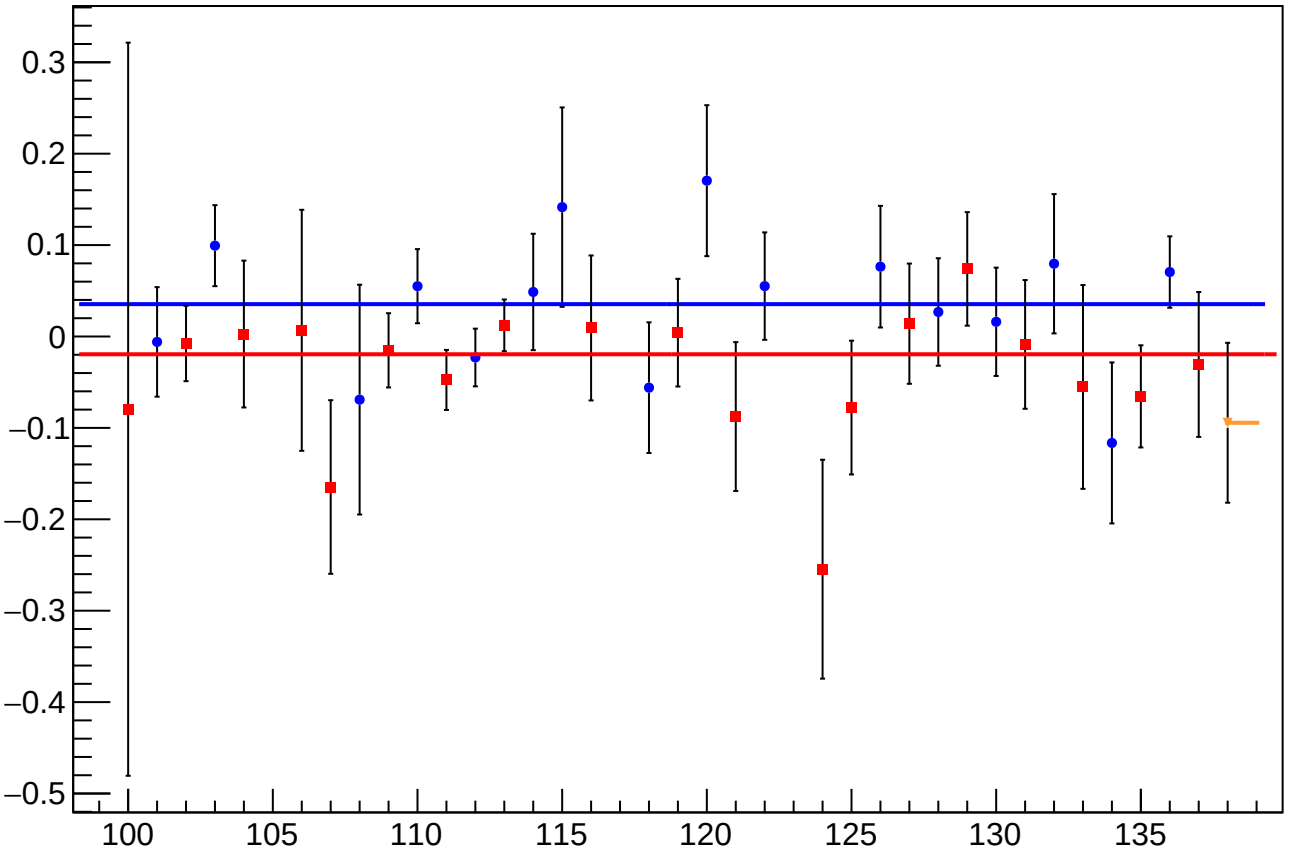
130
135
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 71.451+/-0.062 χ²/NDF:0.0/0
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 71.451+/-0.062 χ²/NDF: 0.0/0
Right: 33.314+/-0.007 χ²/NDF: 2869944.8/34
In: 34.468+/-0.010 χ²/NDF:1171203.3/15
Out: 33.147+/-0.009 χ²/NDF:2064848.3/19
All: 33.763+/-0.007 χ²/NDF: 3245708.0/35



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.094+/-0.087 χ^2/NDF:0.0/0

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

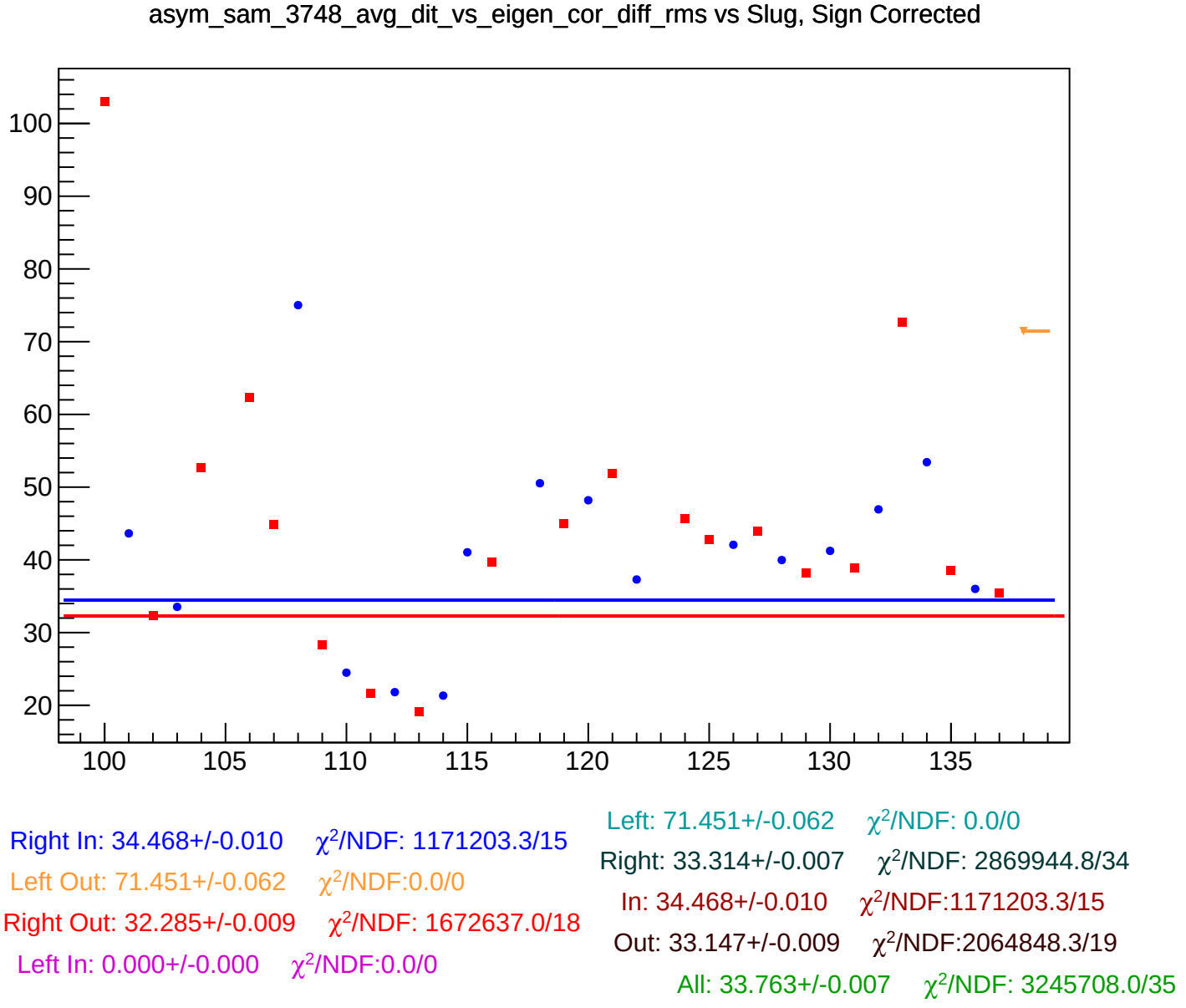
Left: -0.094+/-0.087 χ^2/NDF: 0.0/0

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.035+/-0.014 χ^2/NDF:16.9/15

Out: -0.021+/-0.013 χ^2/NDF:14.1/19

All: 0.005+/-0.009 χ^2/NDF: 39.9/35


asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
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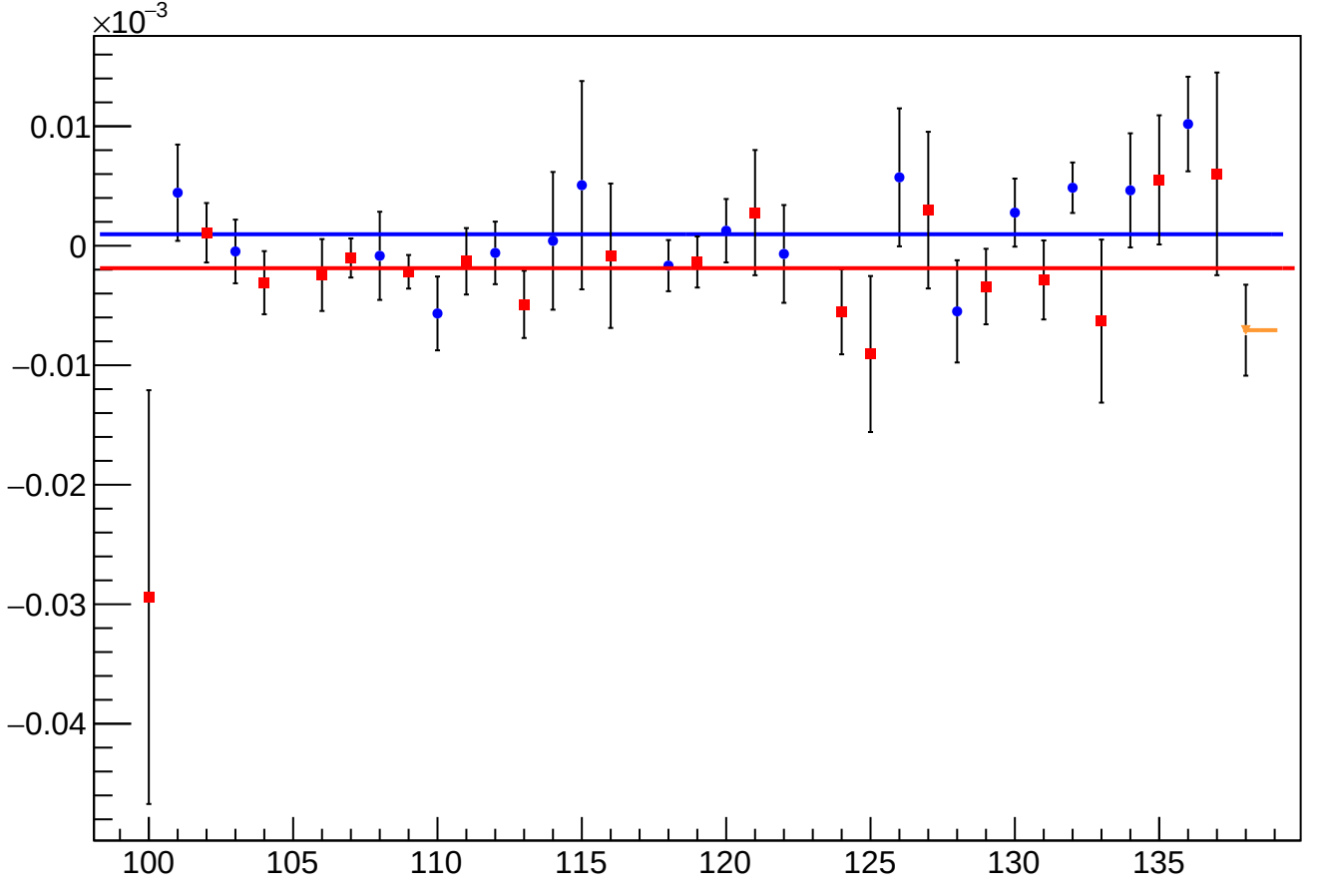
Right In: 34.468+/-0.010 χ2/NDF: 1171203.3/15
Left Out: 71.451+/-0.062 χ2/NDF:0.0/0
Right Out: 32.285+/-0.009 χ2/NDF: 1672637.0/18
Left In: 0.000+/-0.000 χ2/NDF:0.0/0
Left: 71.451+/-0.062 χ2/NDF: 0.0/0
Right: 33.314+/-0.007 χ2/NDF: 2869944.8/34
In: 34.468+/-0.010 χ2/NDF:1171203.3/15
Out: 33.147+/-0.009 χ2/NDF:2064848.3/19
All: 33.763+/-0.007 χ2/NDF: 3245708.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

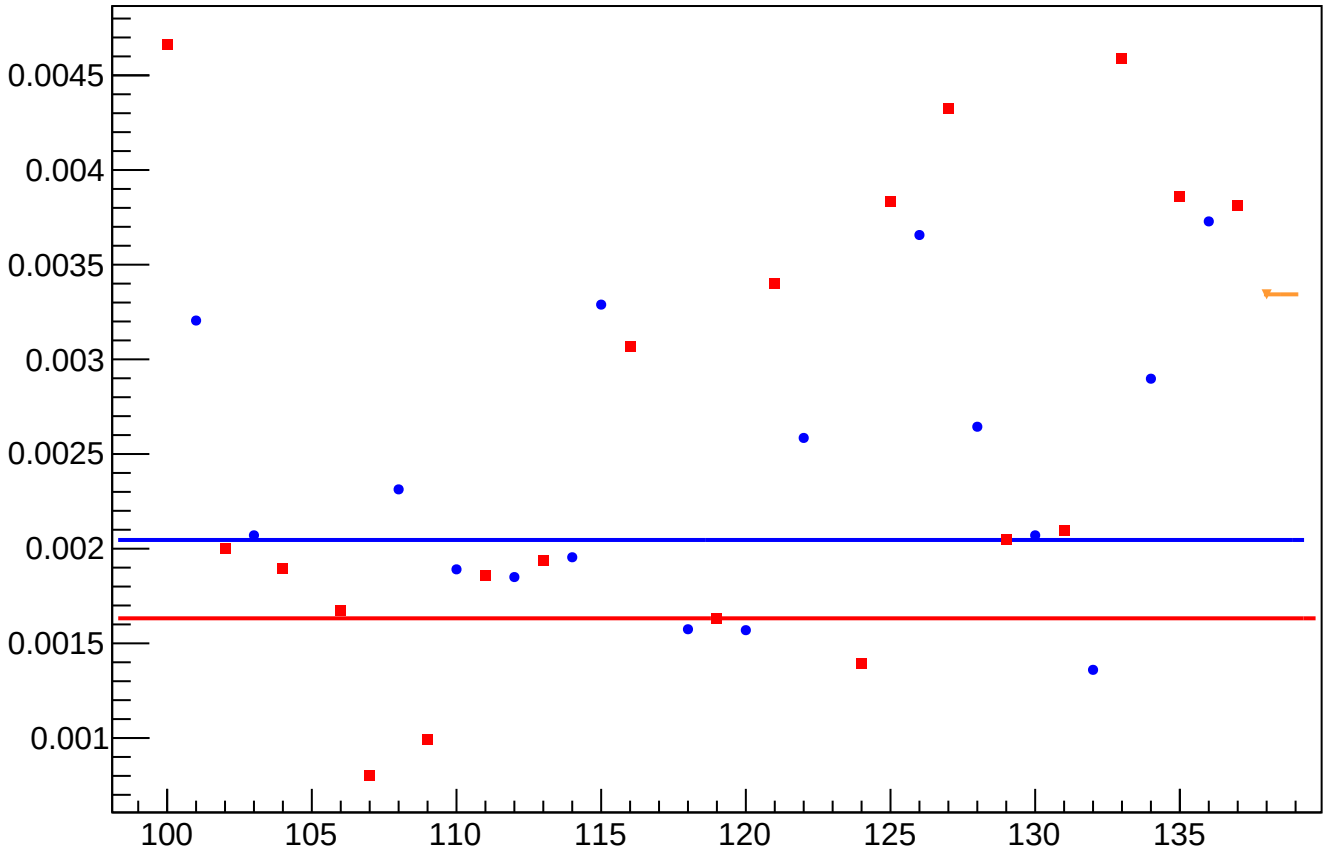
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:20.9/15

Out: -0.000+/-0.000 χ^2/NDF:14.7/19

All: -0.000+/-0.000 χ^2/NDF: 43.9/35



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

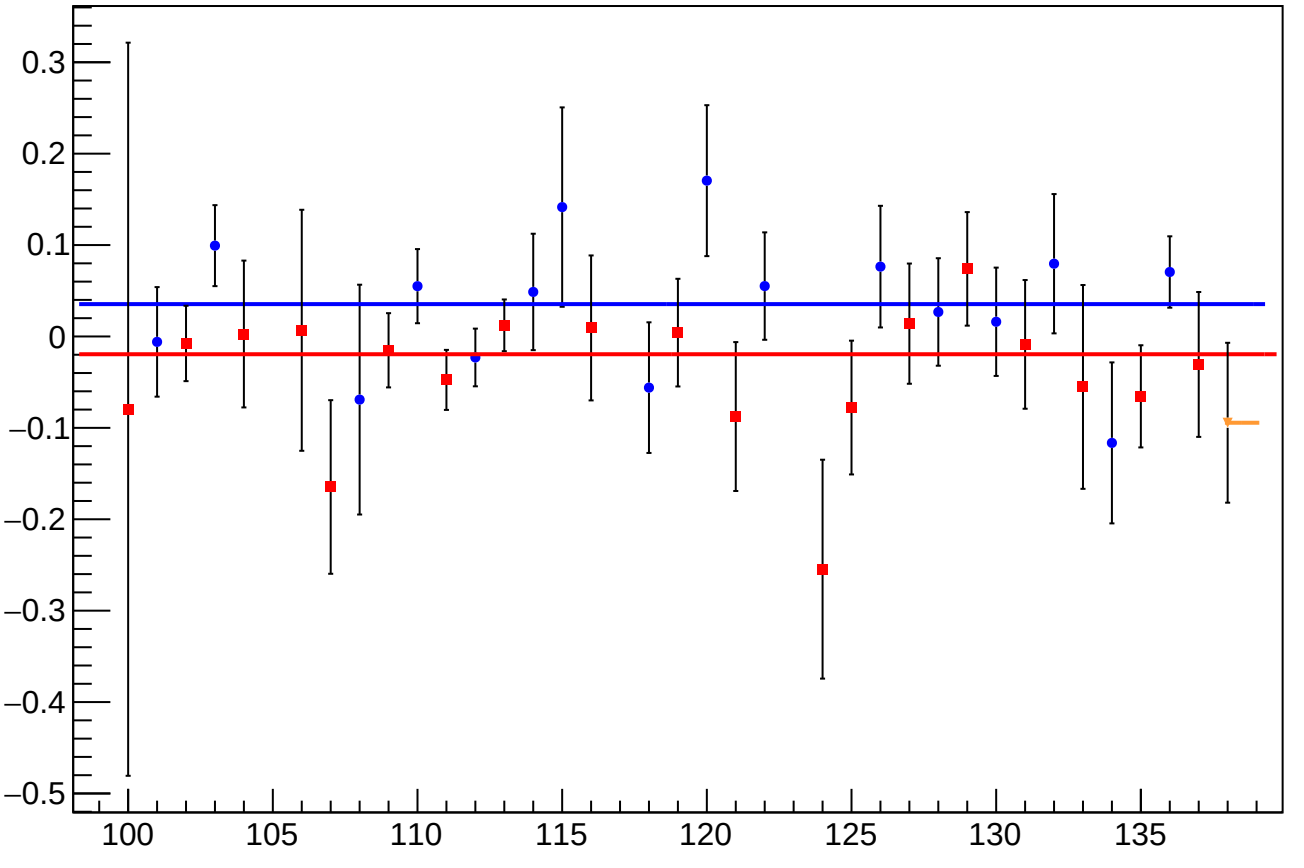
Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:1260485.9/15

Out: 0.002+/-0.000 χ^2/NDF:3321006.8/19

All: 0.002+/-0.000 χ^2/NDF: 4822427.1/35



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.094+/-0.087 χ^2/NDF:0.0/0

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

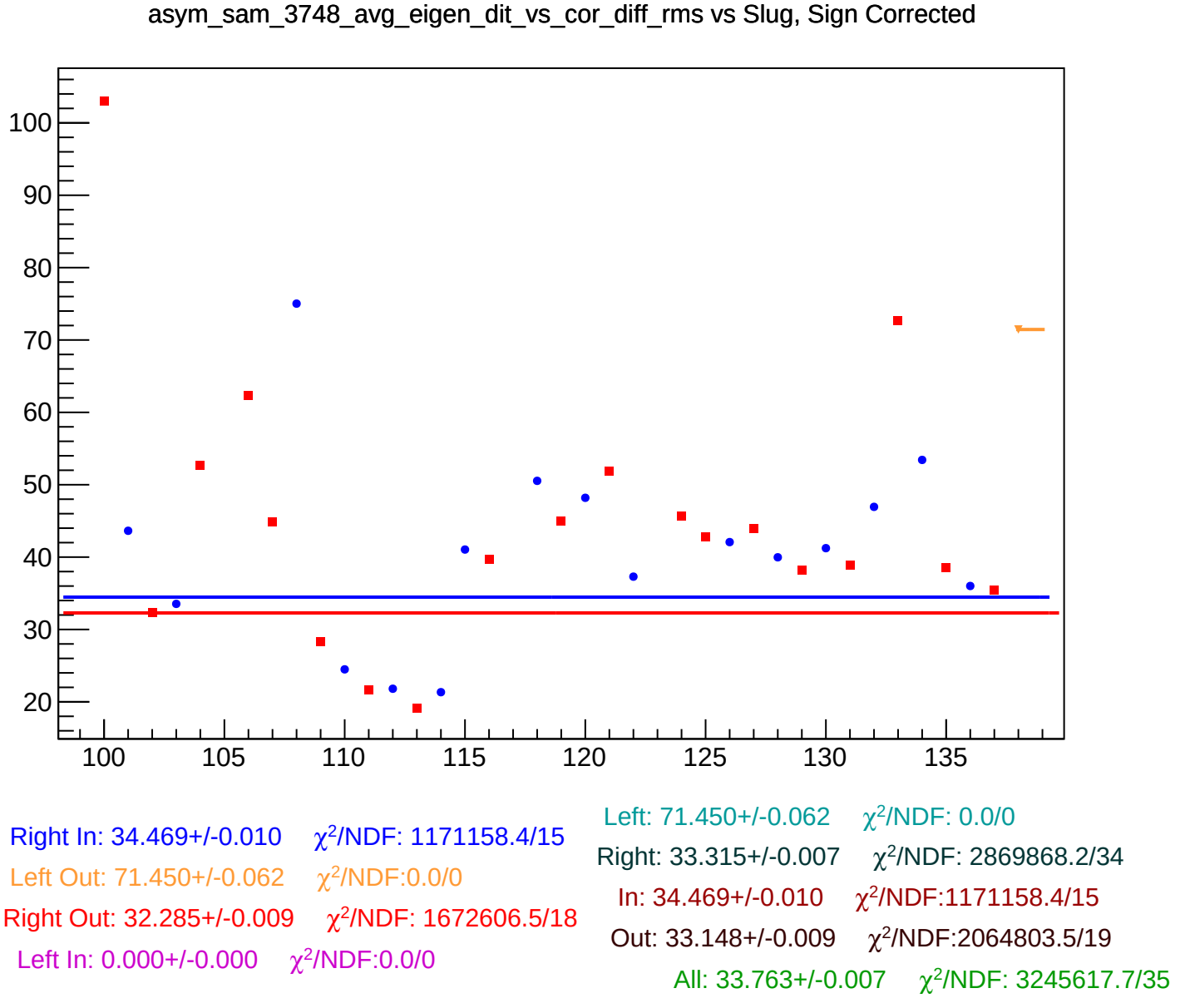
Left: -0.094+/-0.087 χ^2/NDF: 0.0/0

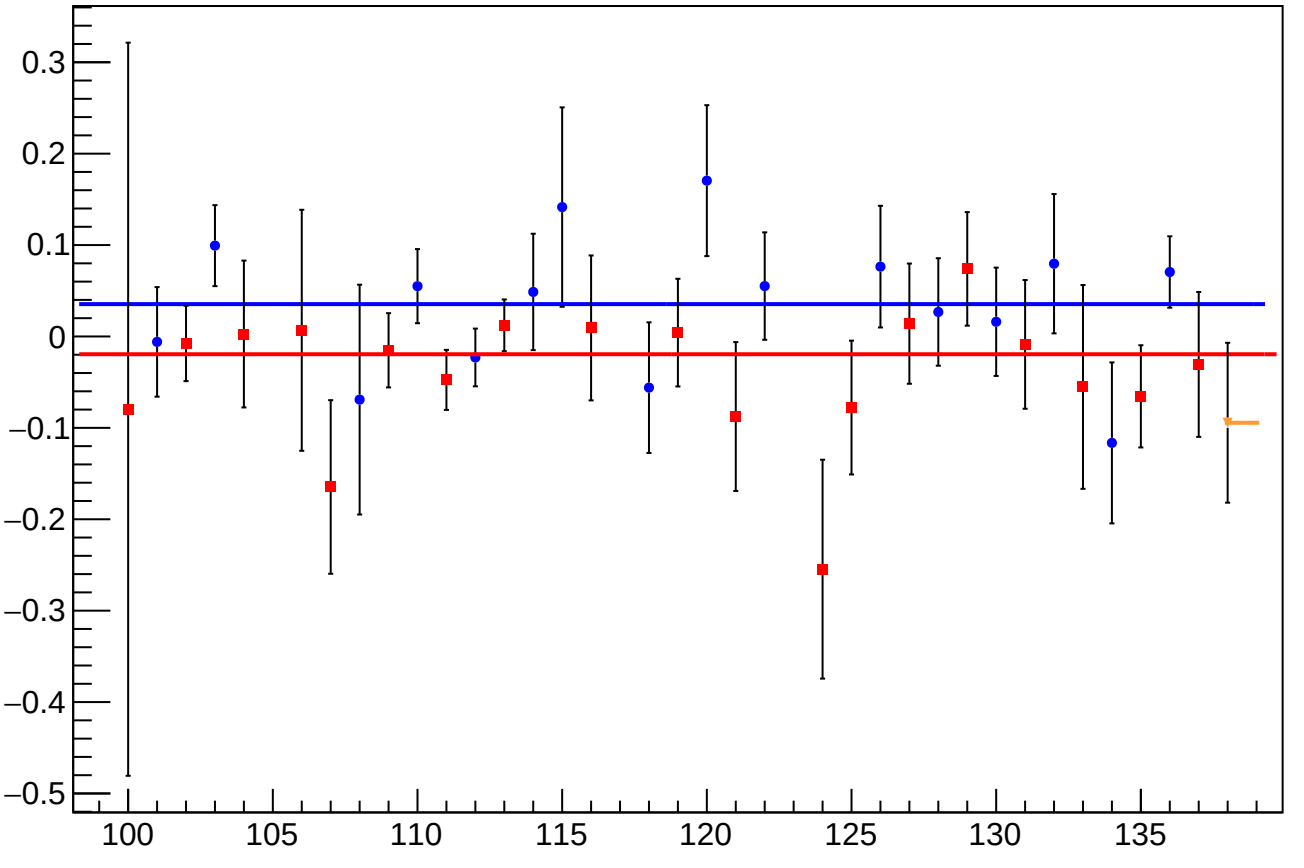
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.035+/-0.014 χ^2/NDF:16.9/15

Out: -0.021+/-0.013 χ^2/NDF:14.1/19

All: 0.005+/-0.009 χ^2/NDF: 39.9/35


asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
105
110
115
120
125
130
135
Right In: 34.469+/-0.010 χ2/NDF: 1171158.4/15
Left Out: 71.450+/-0.062 χ2/NDF:0.0/0
Right Out: 32.285+/-0.009 χ2/NDF: 1672606.5/18
Left In: 0.000+/-0.000 χ2/NDF:0.0/0
Left: 71.450+/-0.062 χ2/NDF: 0.0/0
Right: 33.315+/-0.007 χ2/NDF: 2869868.2/34
In: 34.469+/-0.010 χ2/NDF:1171158.4/15
Out: 33.148+/-0.009 χ2/NDF:2064803.5/19
All: 33.763+/-0.007 χ2/NDF: 3245617.7/35



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.094+/-0.087 χ^2/NDF:0.0/0

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.094+/-0.087 χ^2/NDF: 0.0/0

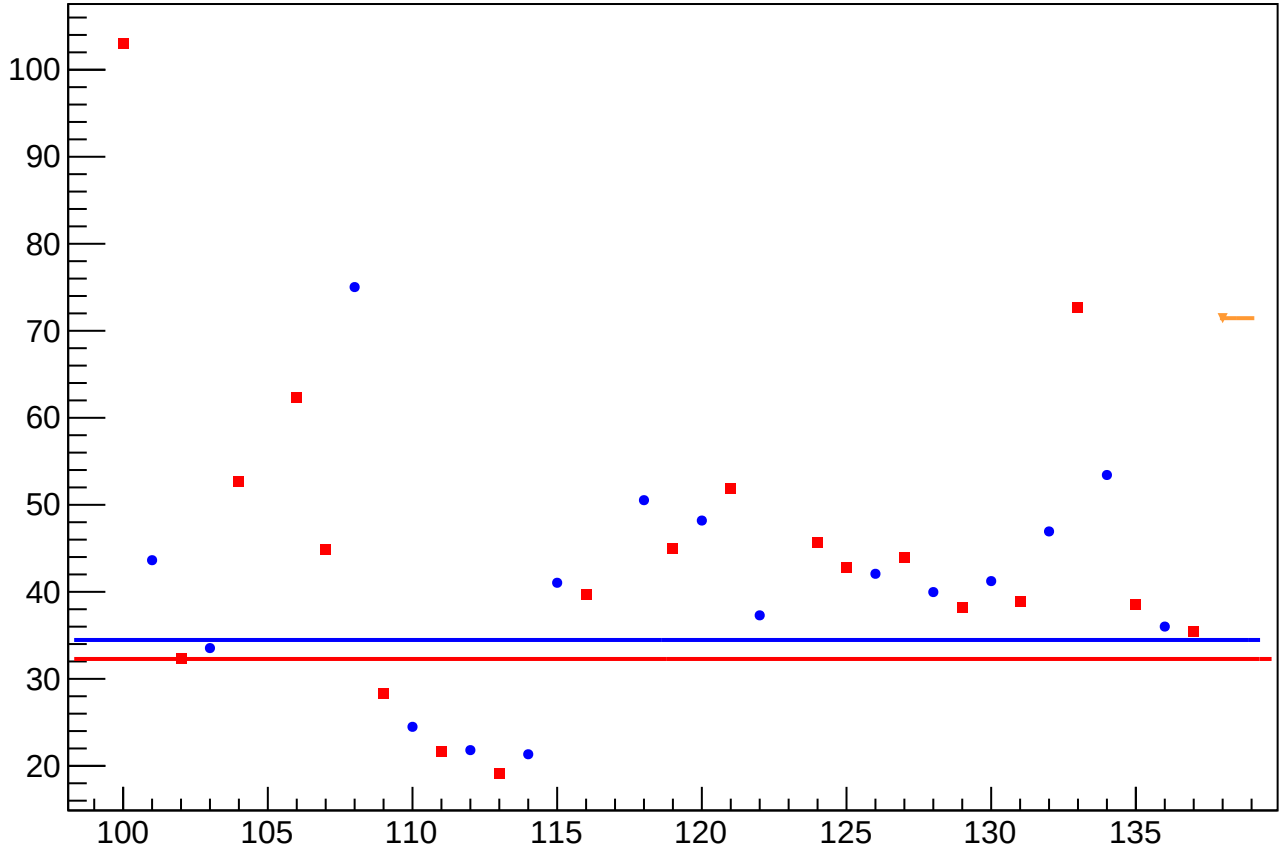
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.035+/-0.014 χ^2/NDF:16.9/15

Out: -0.021+/-0.013 χ^2/NDF:14.1/19

All: 0.005+/-0.009 χ^2/NDF: 39.9/35

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 71.450+/-0.062 χ^2/NDF:0.0/0

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

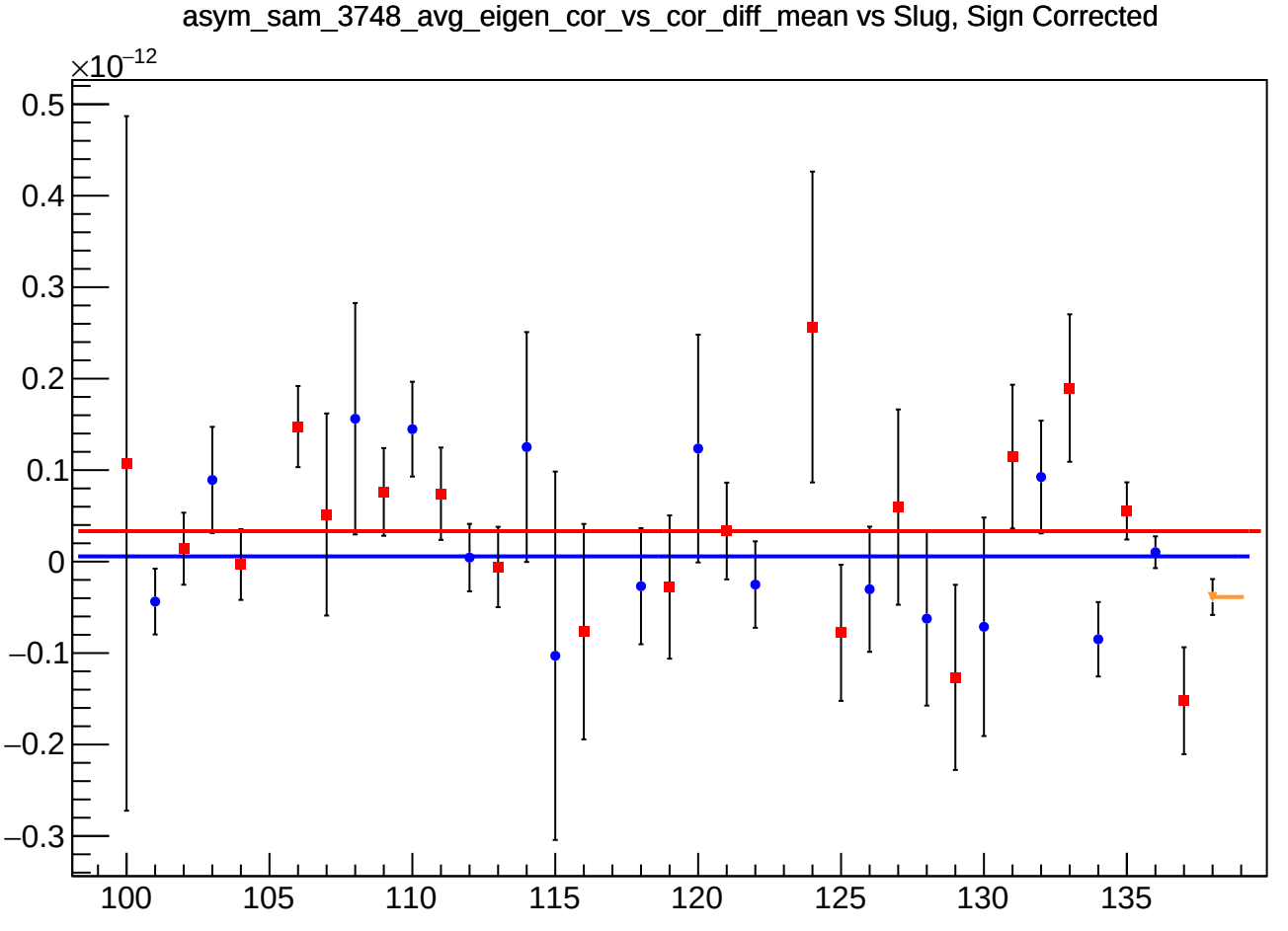
Left: 71.450+/-0.062 χ^2/NDF: 0.0/0

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

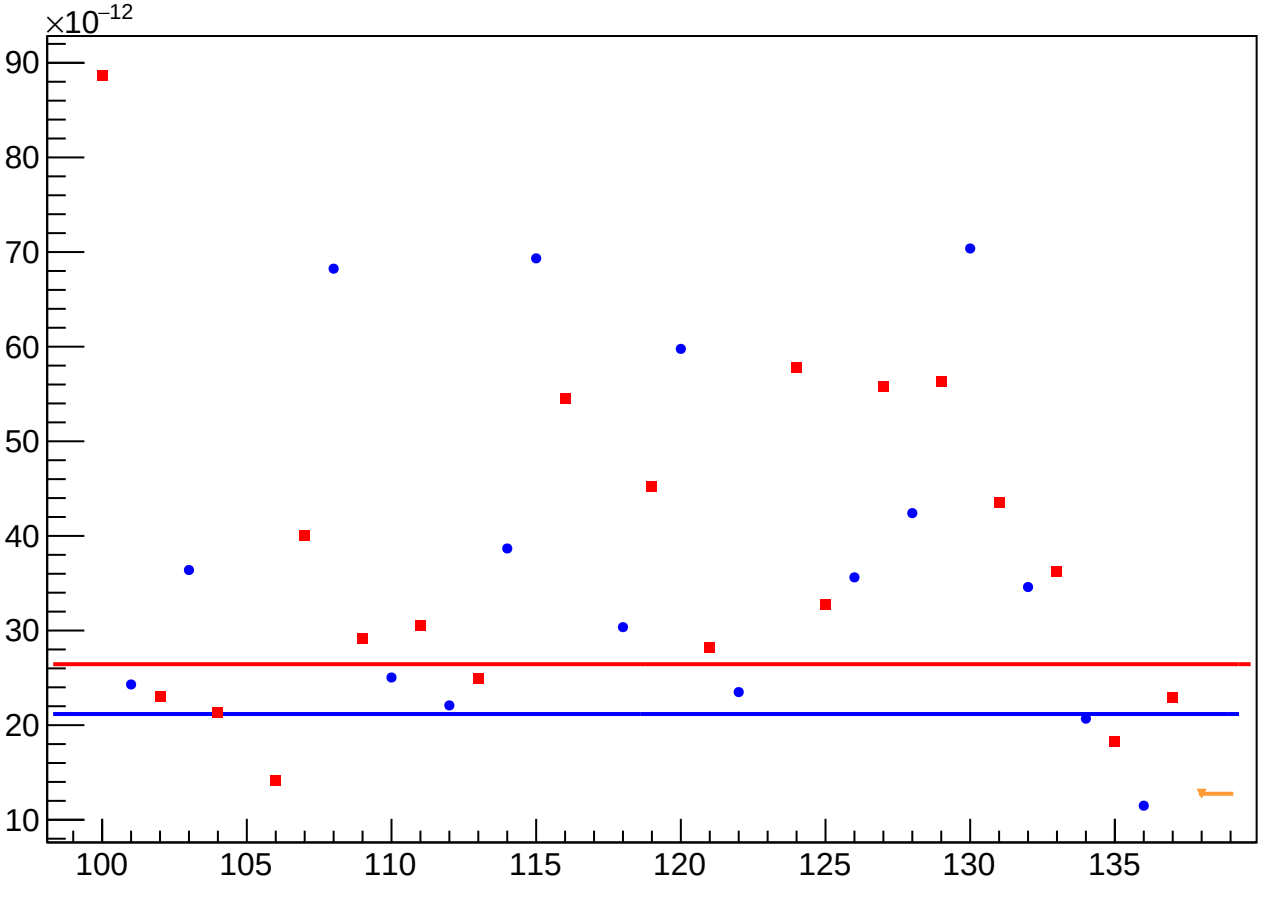
In: 34.469+/-0.010 χ^2/NDF:1171158.4/15

Out: 33.148+/-0.009 χ^2/NDF:2064803.5/19

All: 33.763+/-0.007 χ^2/NDF: 3245617.7/35


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
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: -0.000+/-0.000 χ²/NDF:0.0/0
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: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:23.6/15
Out: 0.000+/-0.000 χ²/NDF:42.8/19
All: 0.000+/-0.000 χ²/NDF: 66.5/35

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1217987.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

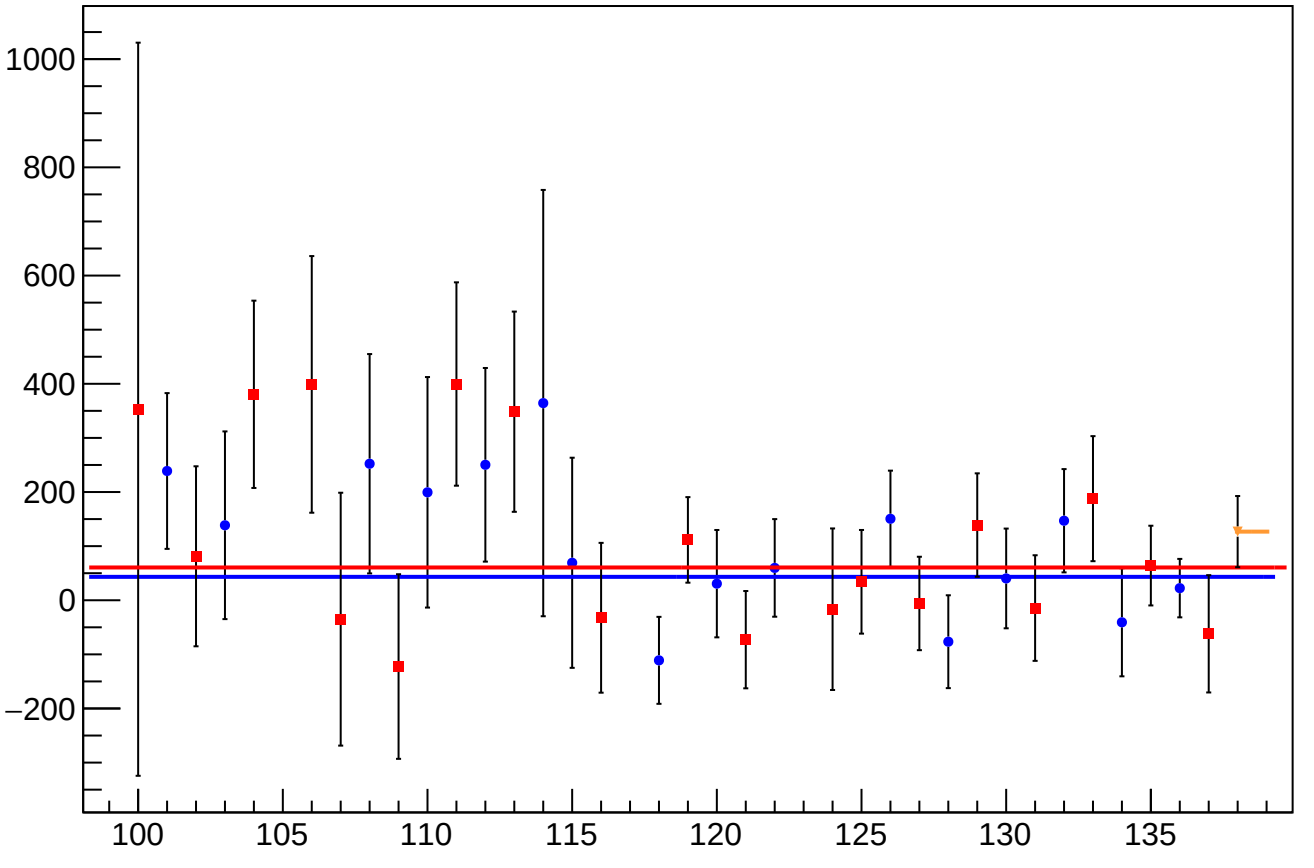
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3483999.9/34

In: 0.000+/-0.000 χ^2/NDF:2081289.8/15

Out: 0.000+/-0.000 χ^2/NDF:1894054.0/19

All: 0.000+/-0.000 χ^2/NDF: 3984567.9/35



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 126.826+/-65.777 χ^2/NDF:0.0/0

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

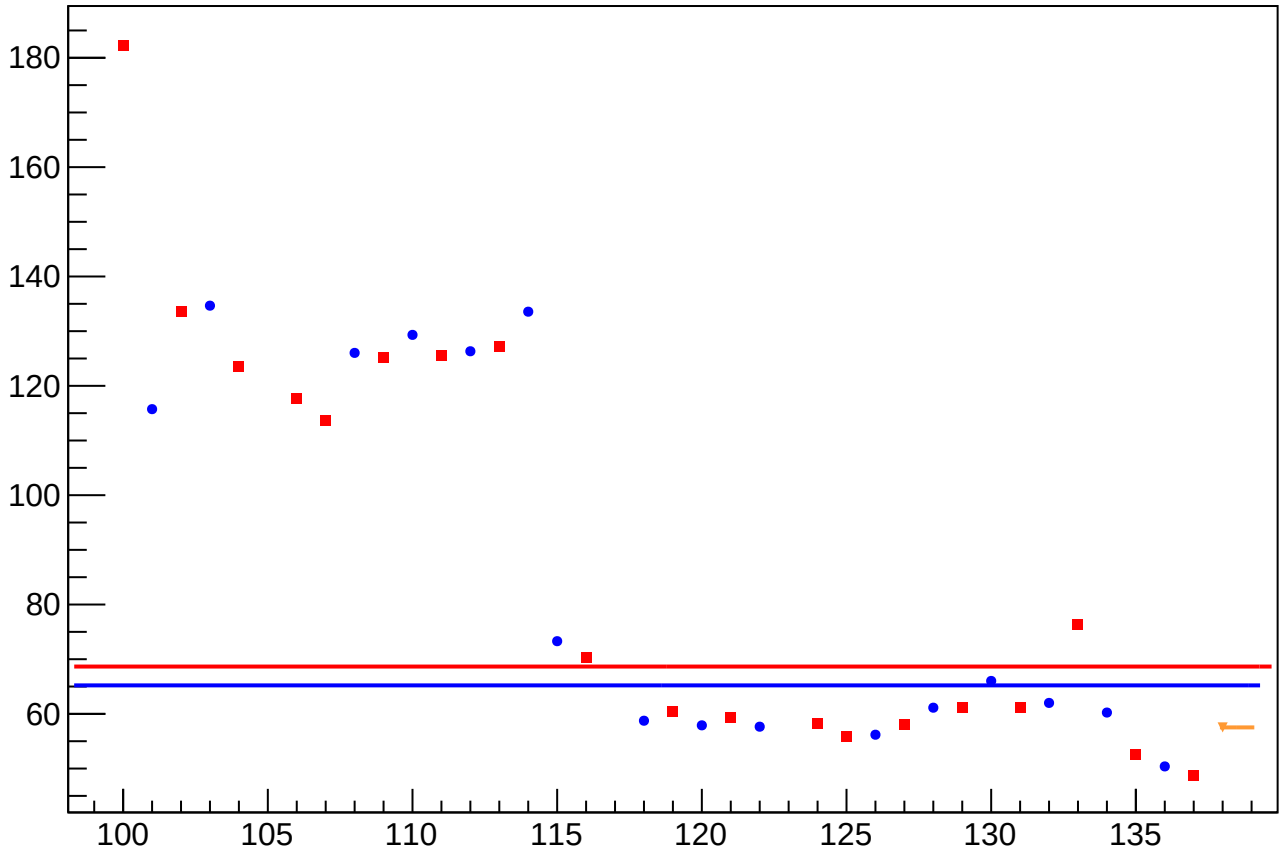
Left: 126.826+/-65.777 χ^2/NDF: 0.0/0

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 43.247+/-25.781 χ^2/NDF:15.0/15

Out: 70.070+/-24.894 χ^2/NDF:21.3/19

All: 57.127+/-17.908 χ^2/NDF: 36.8/35



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 57.525+/-0.047 χ^2/NDF:0.0/0

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

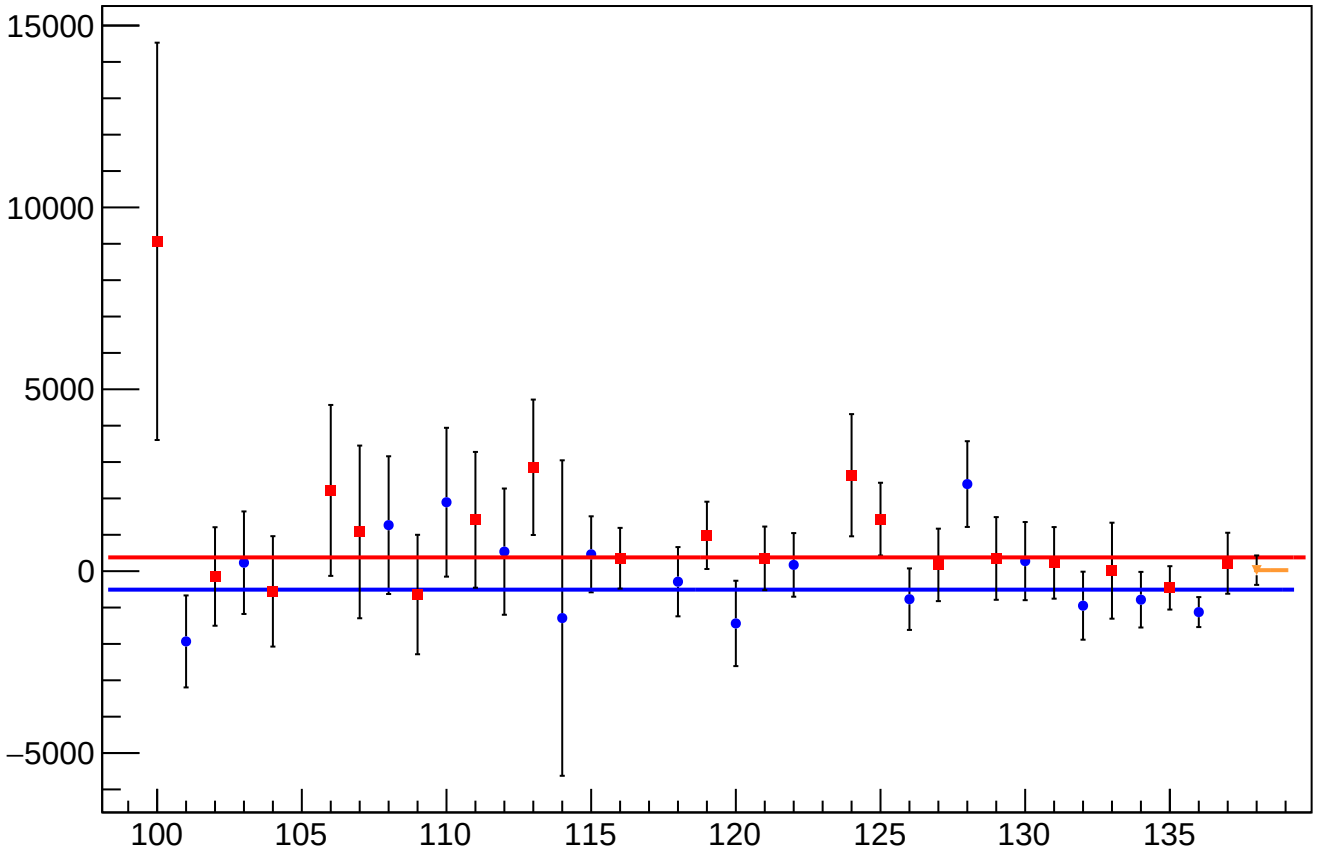
Left: 57.525+/-0.047 χ^2/NDF: 0.0/0

Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 65.212+/-0.018 χ^2/NDF:1446504.6/15

Out: 67.062+/-0.018 χ^2/NDF:1689973.8/19

All: 66.170+/-0.013 χ^2/NDF: 3141805.4/35



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: 27.538+/-404.536 χ^2/NDF:0.0/0

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

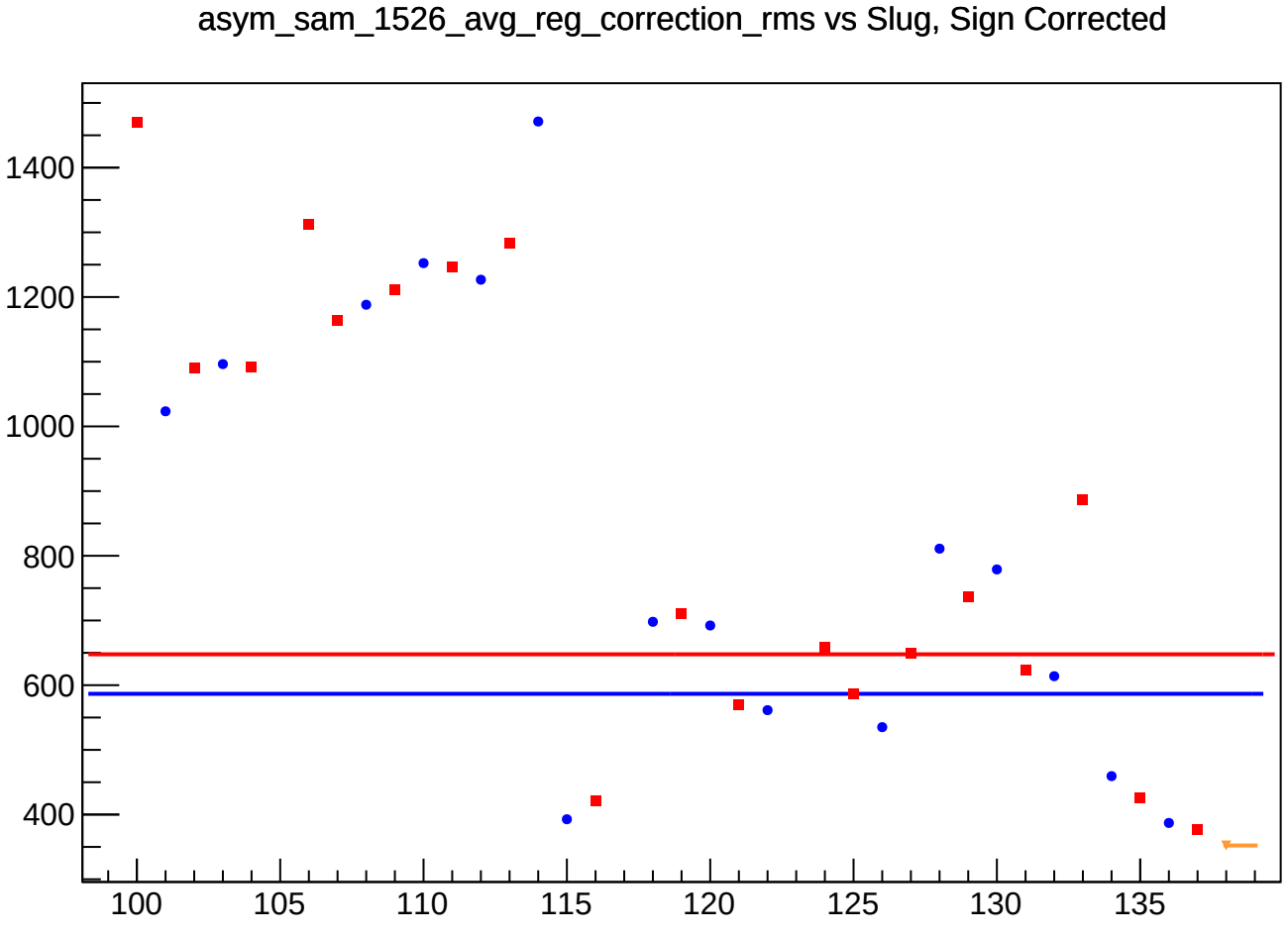
Left: 27.538+/-404.536 χ^2/NDF: 0.0/0

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -507.928+/-236.945 χ^2/NDF:15.6/15

Out: 278.194+/-216.569 χ^2/NDF:12.3/19

All: -79.619+/-159.856 χ^2/NDF: 33.9/35



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 352.194+/-0.286 χ^2/NDF:0.0/0

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

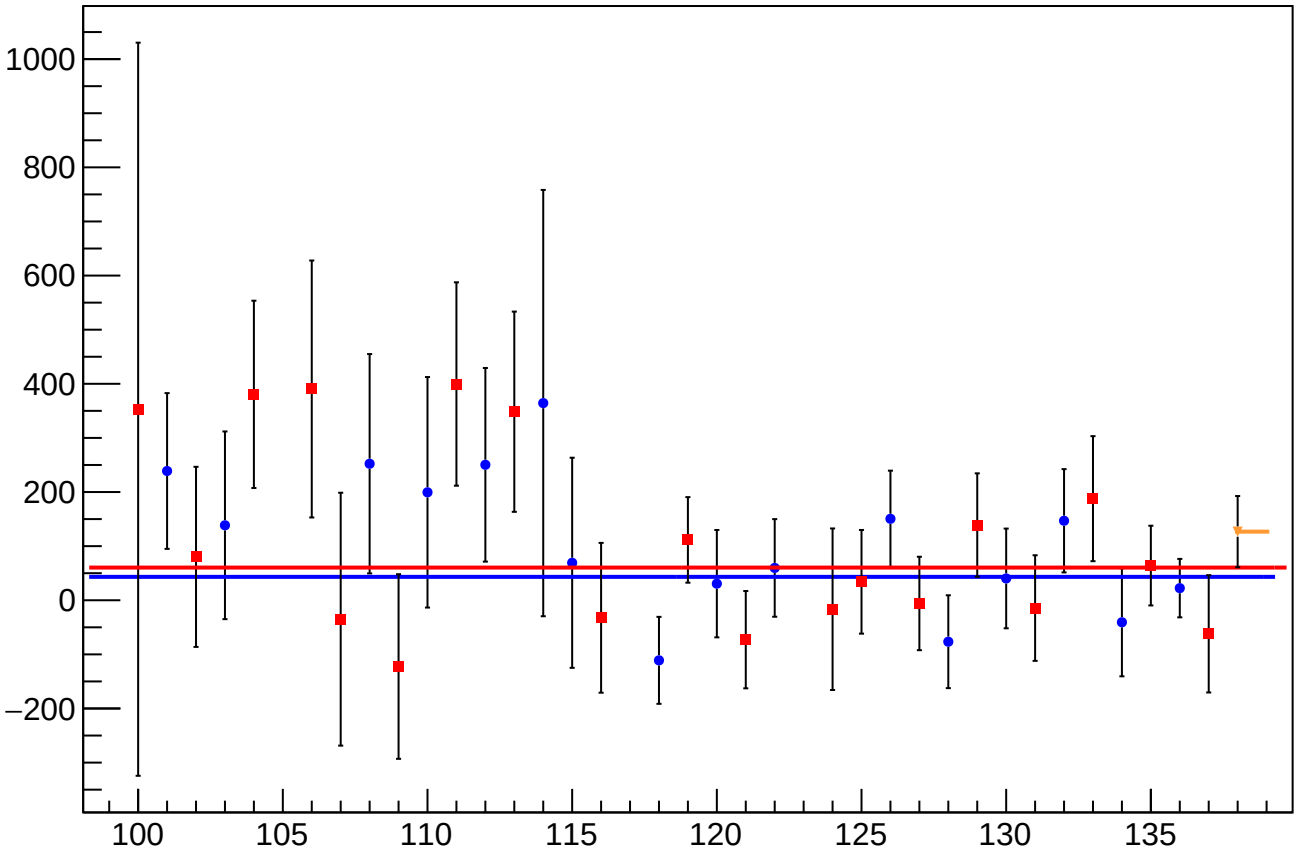
Left: 352.194+/-0.286 χ^2/NDF: 0.0/0

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 586.645+/-0.168 χ^2/NDF:2053133.2/15

Out: 563.034+/-0.153 χ^2/NDF:2867167.4/19

All: 573.781+/-0.113 χ^2/NDF: 4931121.3/35



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 126.819+/-65.777 χ^2/NDF:0.0/0

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

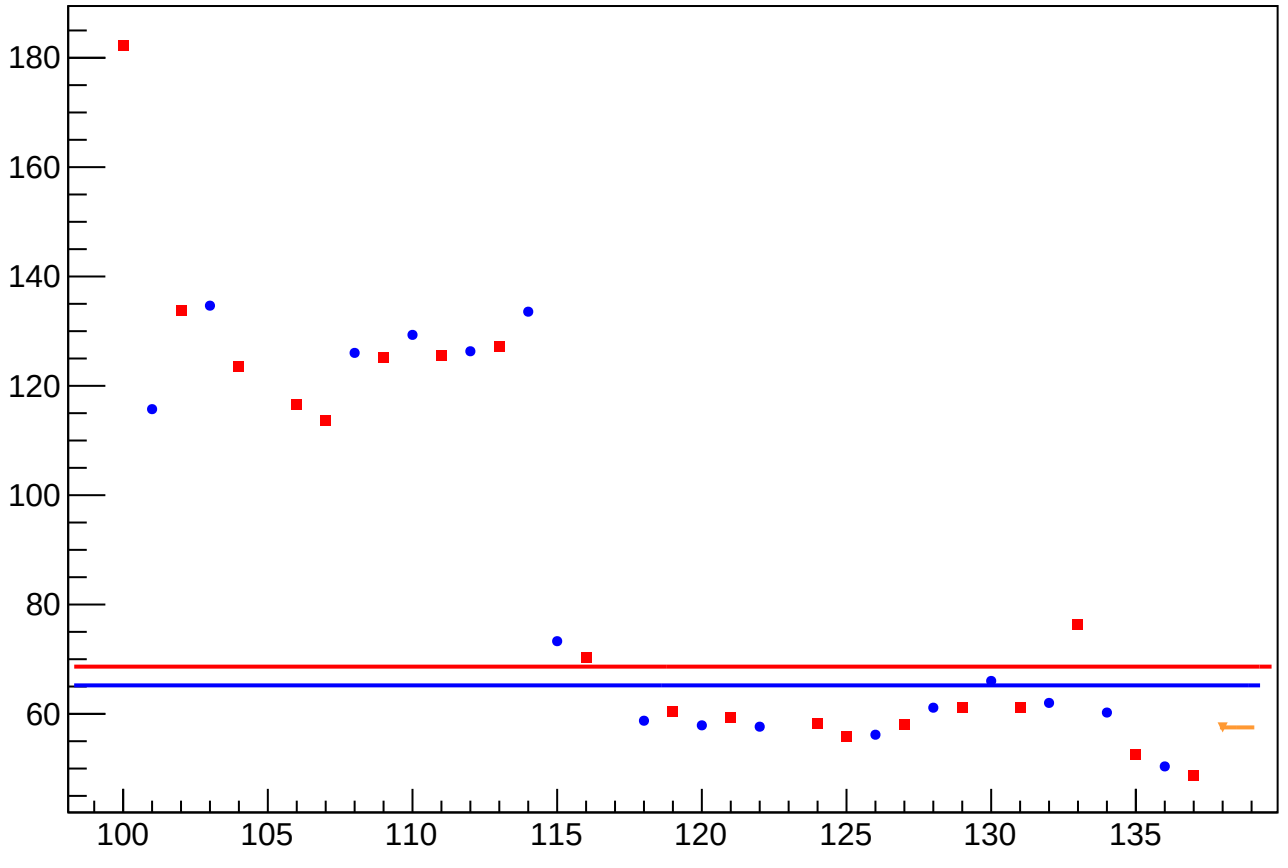
Left: 126.819+/-65.777 χ^2/NDF: 0.0/0

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 43.239+/-25.781 χ^2/NDF:15.0/15

Out: 69.941+/-24.895 χ^2/NDF:21.2/19

All: 57.057+/-17.908 χ^2/NDF: 36.7/35



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 57.525+/-0.047 χ^2/NDF:0.0/0

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 57.525+/-0.047 χ^2/NDF: 0.0/0

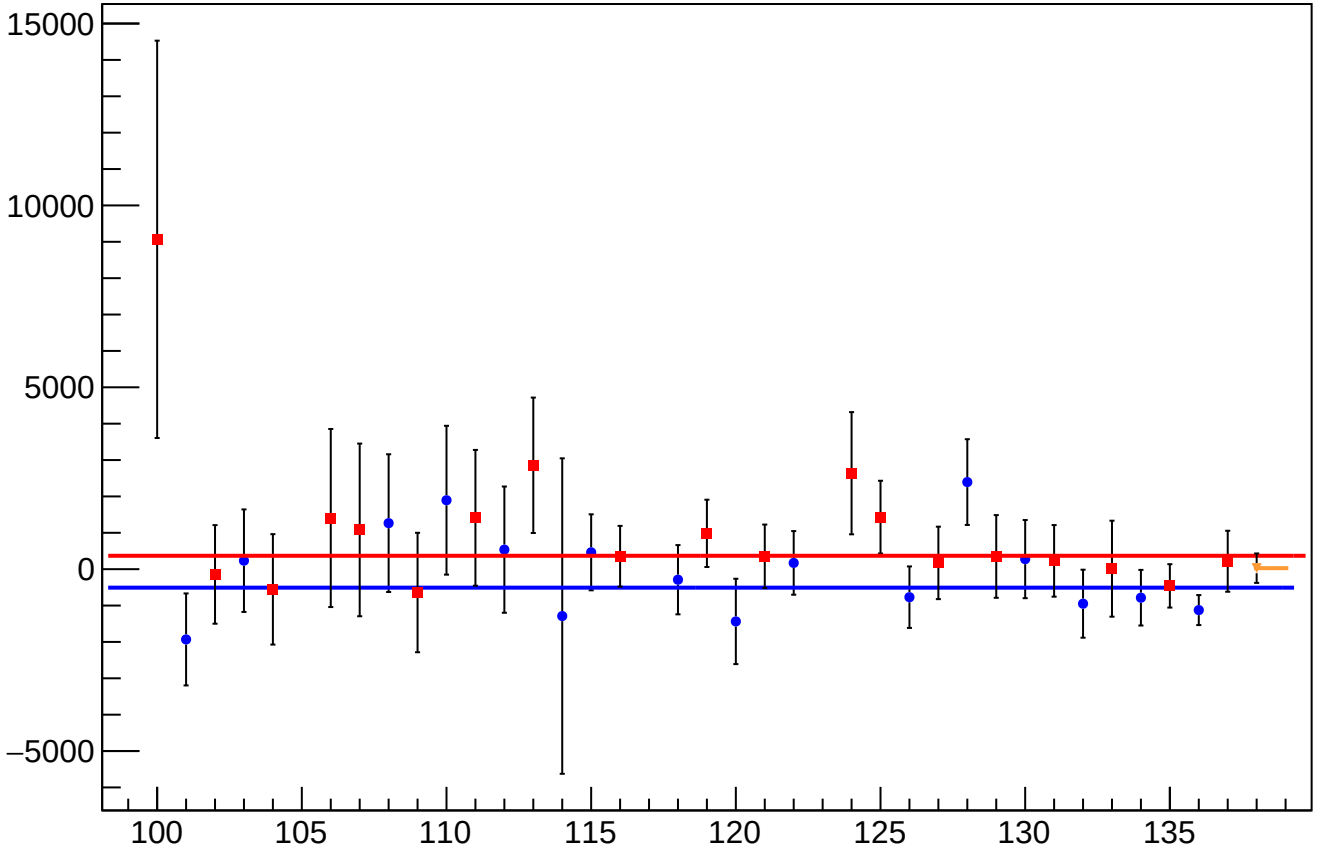
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 65.212+/-0.018 χ^2/NDF:1446506.9/15

Out: 67.050+/-0.018 χ^2/NDF:1686504.3/19

All: 66.163+/-0.013 χ^2/NDF: 3138266.8/35

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: 27.531+/-404.536 χ^2/NDF:0.0/0

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

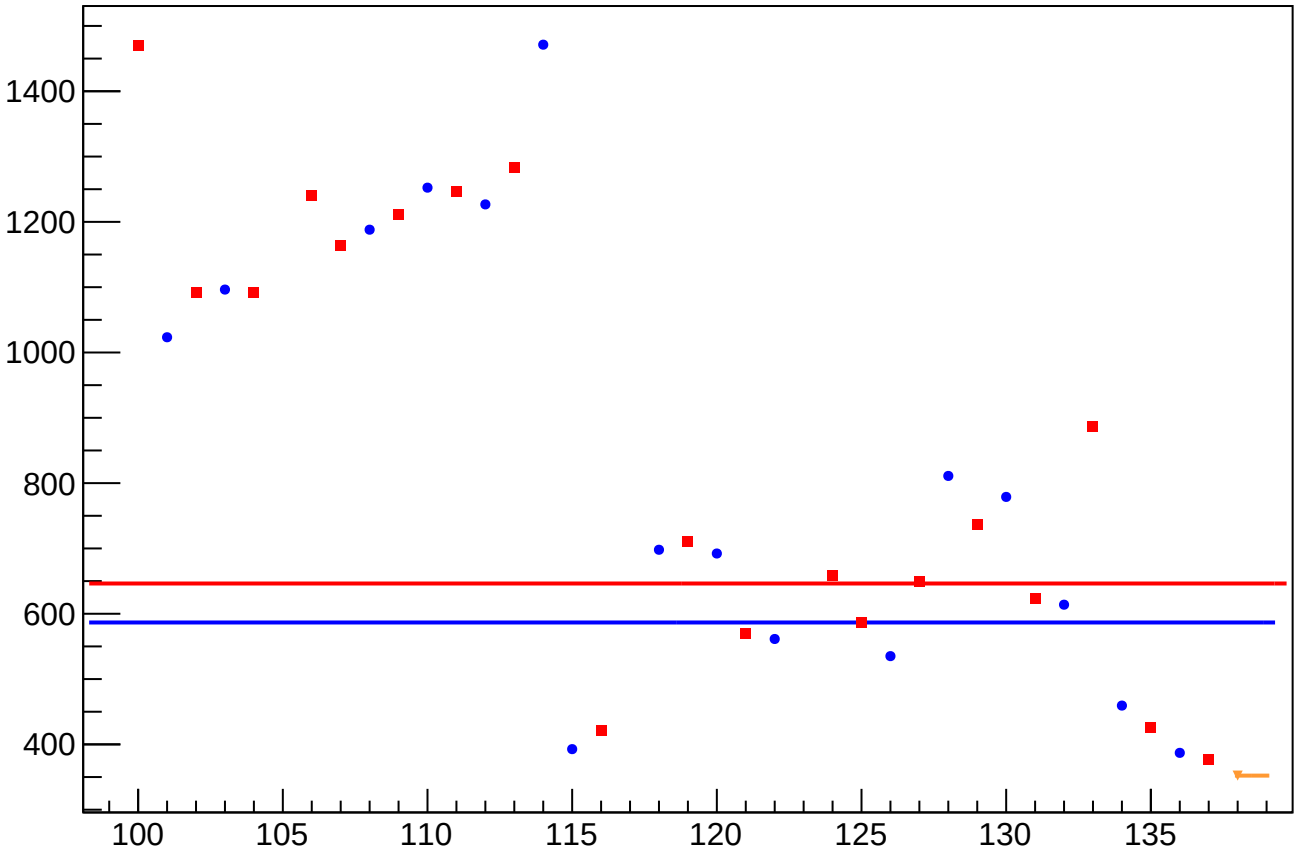
Left: 27.531+/-404.536 χ^2/NDF: 0.0/0

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -507.911+/-236.945 χ^2/NDF:15.6/15

Out: 270.591+/-216.645 χ^2/NDF:11.8/19

All: -83.890+/-159.887 χ^2/NDF: 33.3/35



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 352.194+/-0.286 χ^2/NDF:0.0/0

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

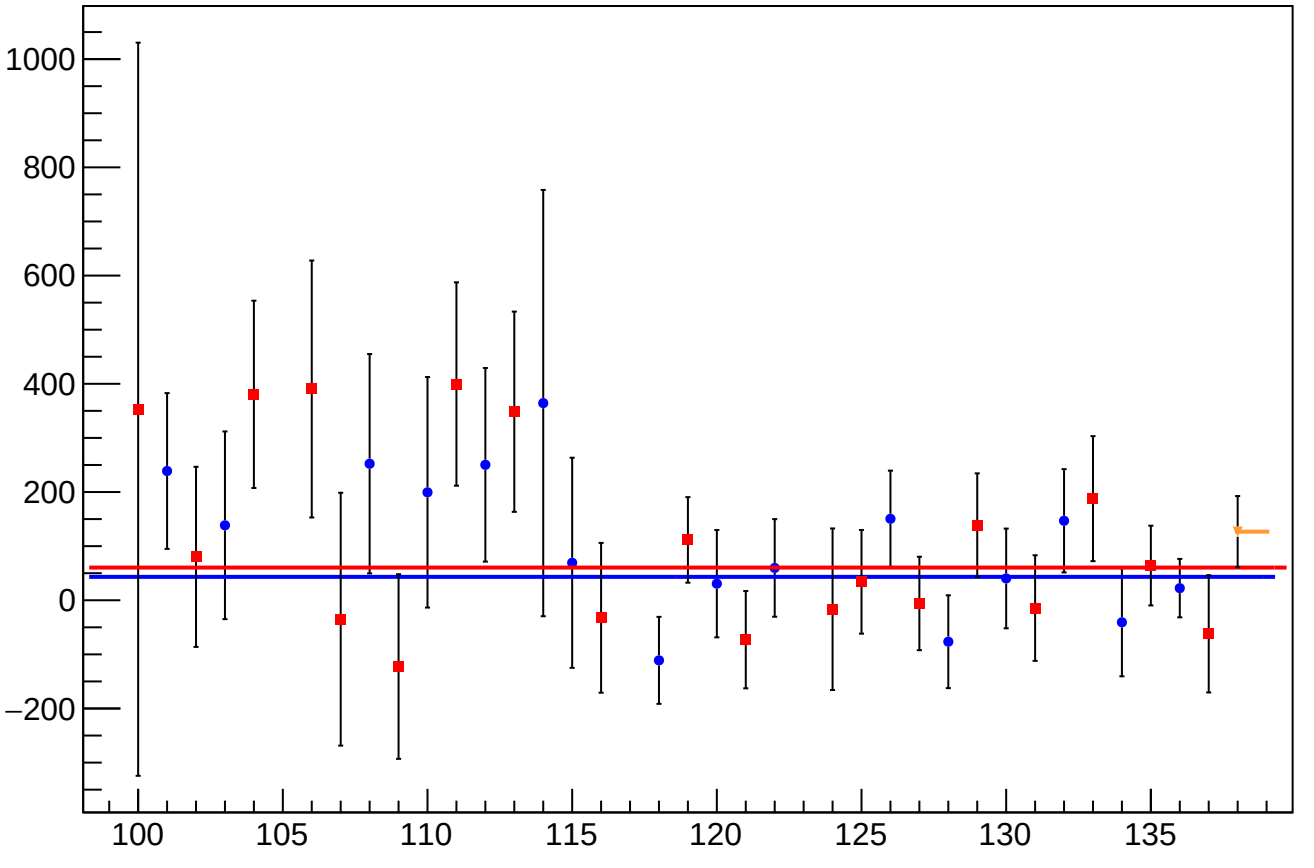
Left: 352.194+/-0.286 χ^2/NDF: 0.0/0

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 586.645+/-0.168 χ^2/NDF:2053169.7/15

Out: 561.969+/-0.153 χ^2/NDF:2817263.4/19

All: 573.205+/-0.113 χ^2/NDF: 4882247.1/35



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 126.819+/-65.777 χ^2/NDF:0.0/0

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

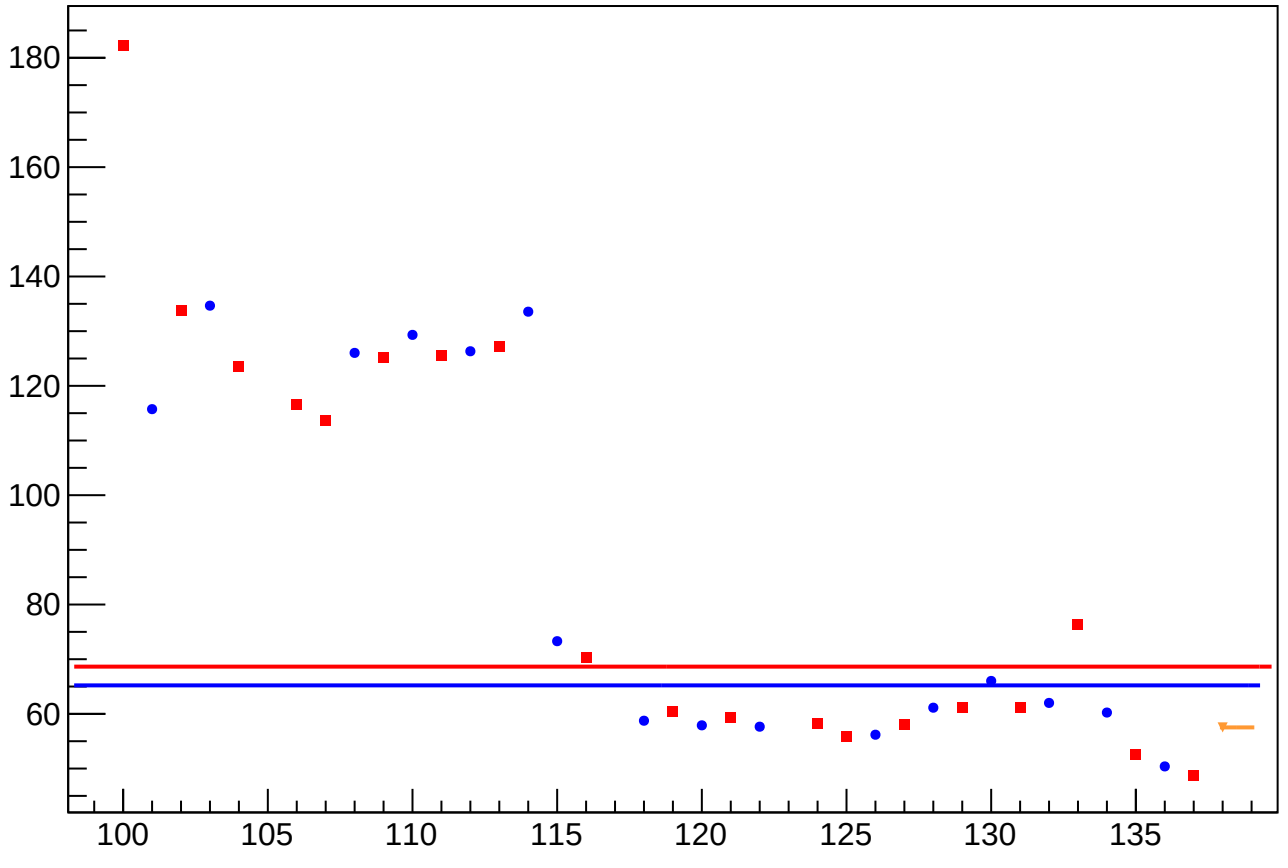
Left: 126.819+/-65.777 χ^2/NDF: 0.0/0

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 43.239+/-25.781 χ^2/NDF:15.0/15

Out: 69.941+/-24.895 χ^2/NDF:21.2/19

All: 57.057+/-17.908 χ^2/NDF: 36.7/35



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 57.525+/-0.047 χ^2/NDF:0.0/0

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 57.525+/-0.047 χ^2/NDF: 0.0/0

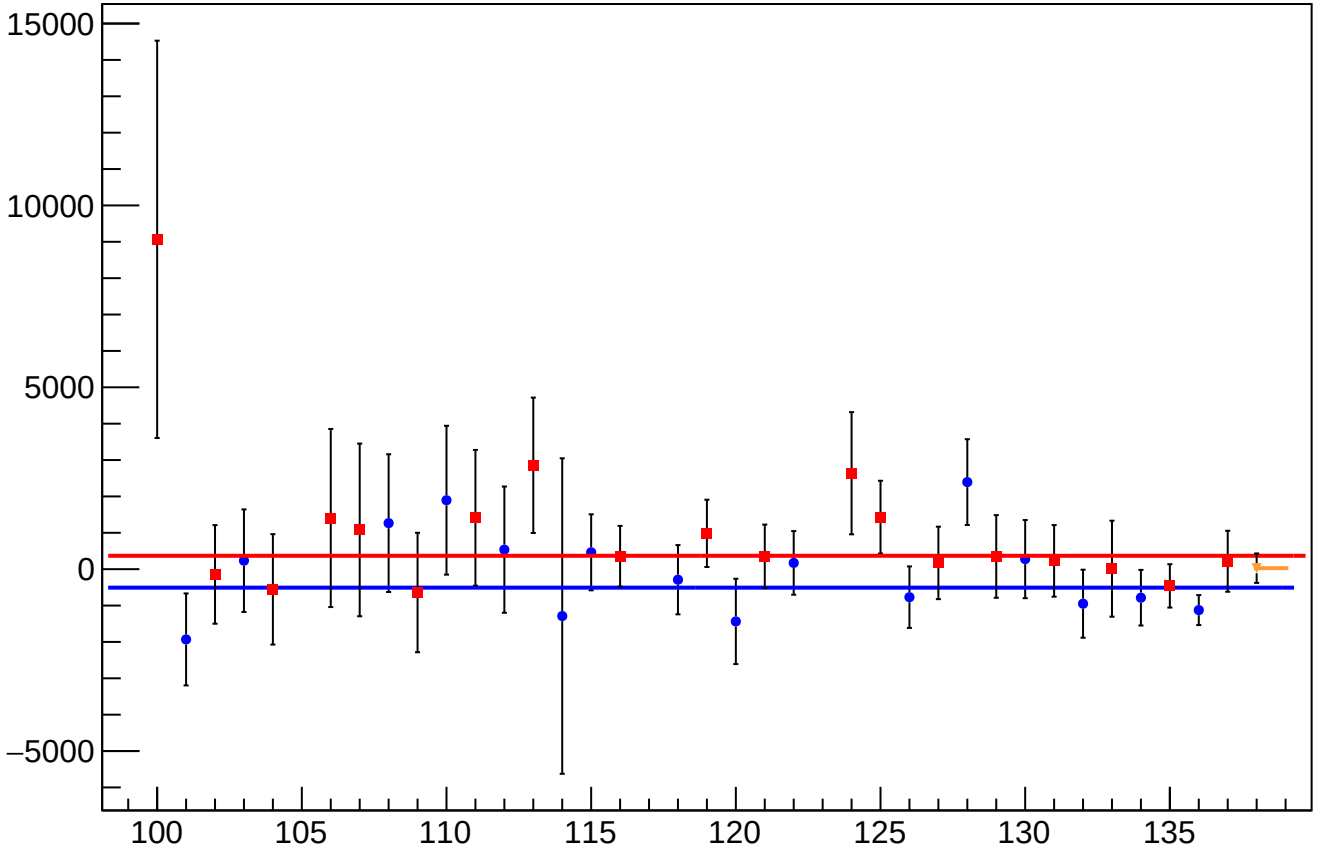
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 65.212+/-0.018 χ^2/NDF:1446506.9/15

Out: 67.050+/-0.018 χ^2/NDF:1686504.3/19

All: 66.163+/-0.013 χ^2/NDF: 3138266.8/35

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: 27.531+/-404.536 χ^2/NDF:0.0/0

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 27.531+/-404.536 χ^2/NDF: 0.0/0

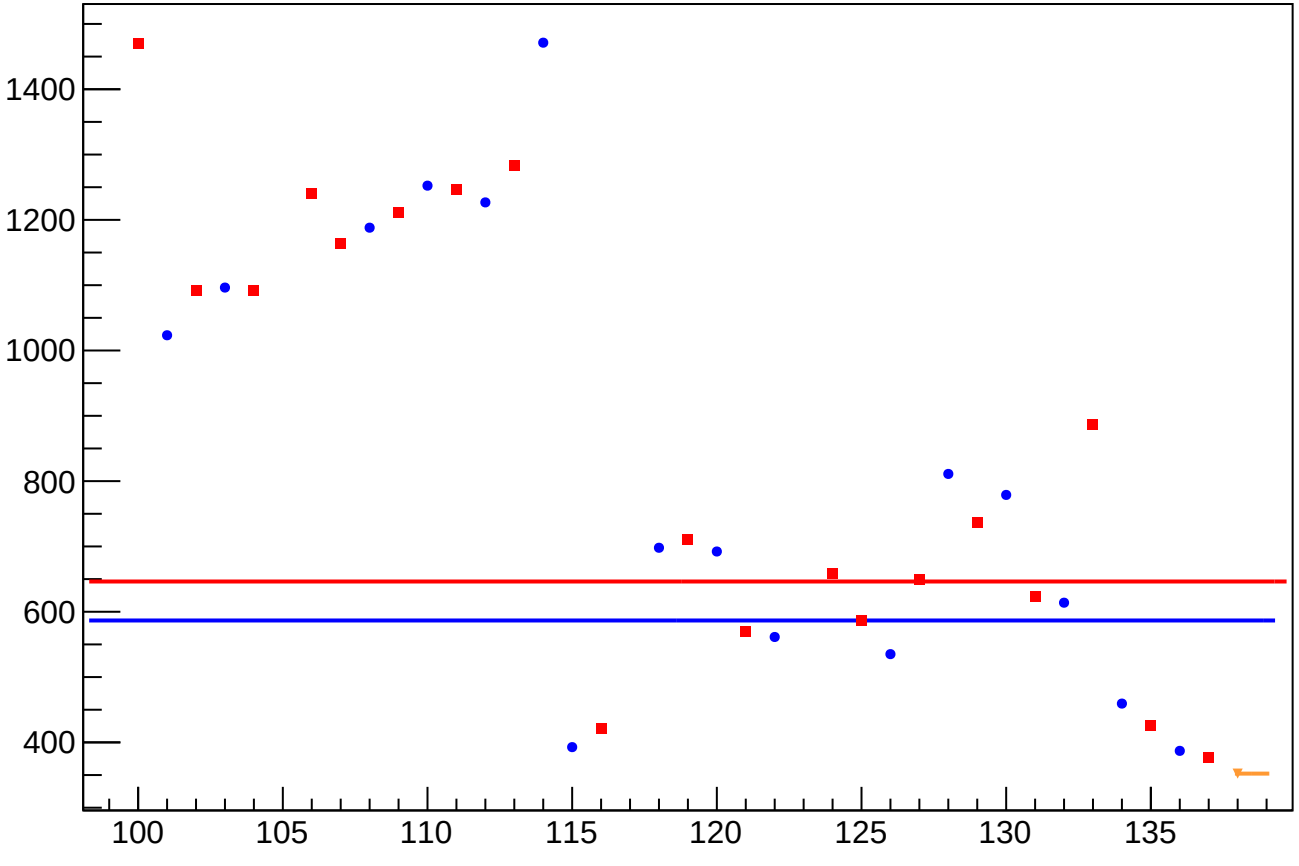
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -507.911+/-236.945 χ^2/NDF:15.6/15

Out: 270.591+/-216.645 χ^2/NDF:11.8/19

All: -83.890+/-159.887 χ^2/NDF: 33.3/35

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: 352.194+/-0.286 χ^2/NDF:0.0/0

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

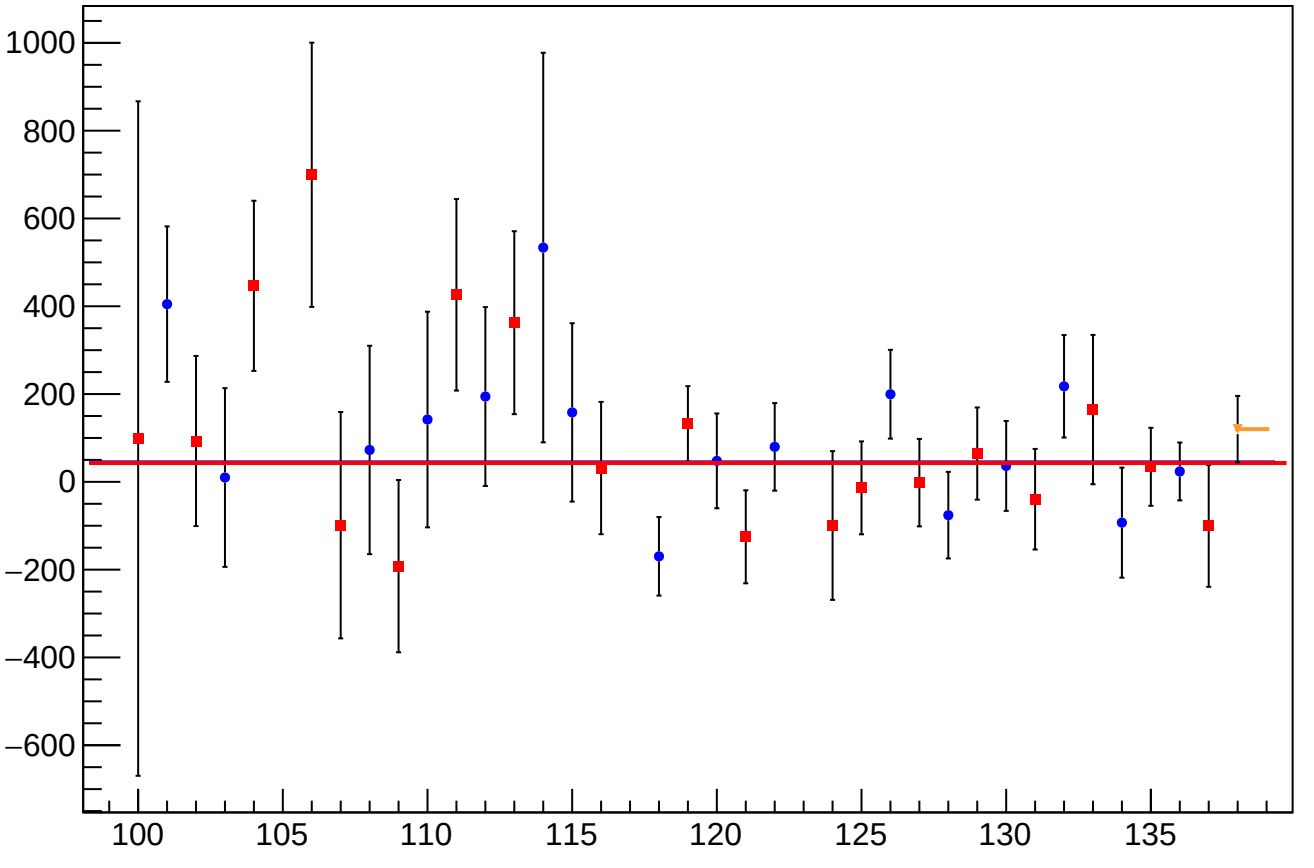
Left: 352.194+/-0.286 χ^2/NDF: 0.0/0

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 586.645+/-0.168 χ^2/NDF:2053169.7/15

Out: 561.969+/-0.153 χ^2/NDF:2817263.4/19

All: 573.205+/-0.113 χ^2/NDF: 4882247.1/35



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 120.131+/-75.617 χ^2/NDF:0.0/0

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

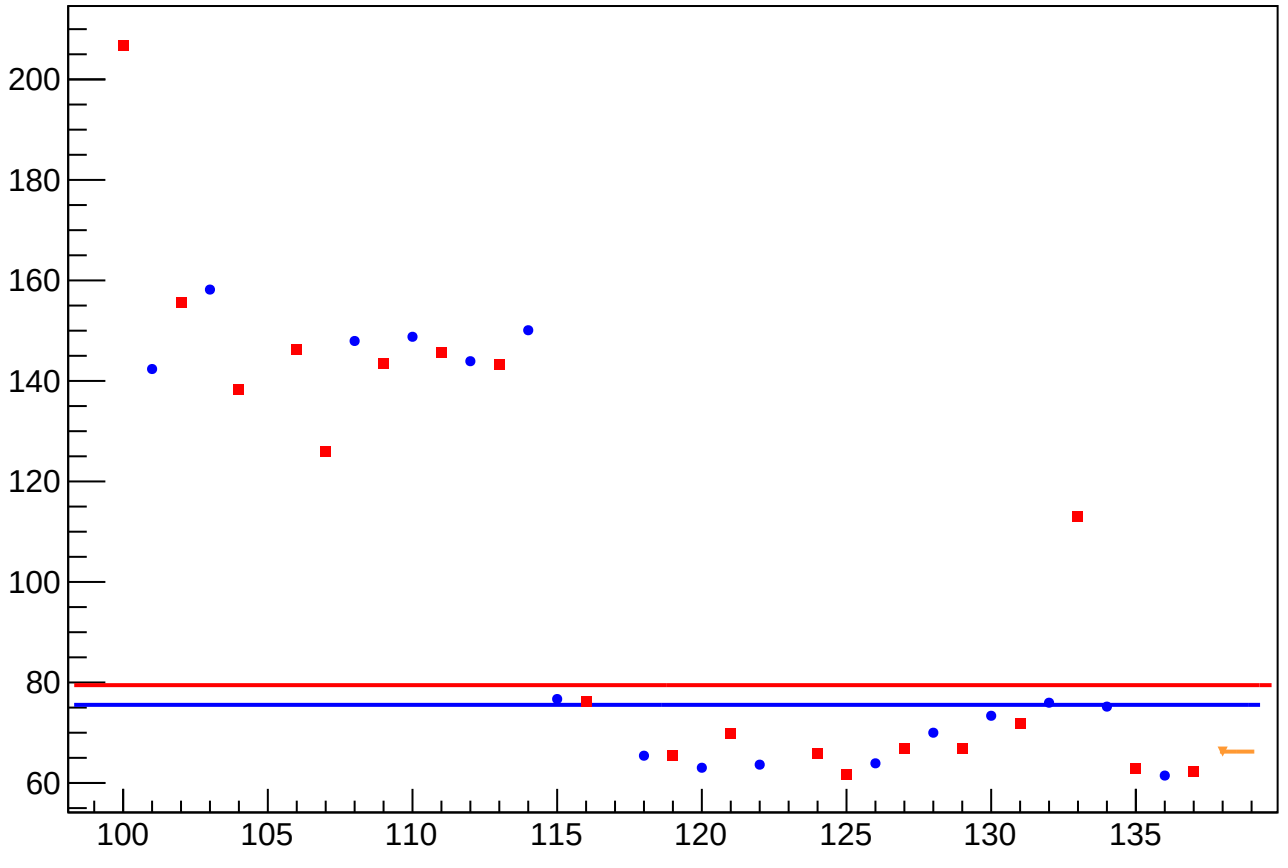
Left: 120.131+/-75.617 χ^2/NDF: 0.0/0

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 44.387+/-29.909 χ^2/NDF:19.6/15

Out: 54.166+/-28.879 χ^2/NDF:24.2/19

All: 49.448+/-20.775 χ^2/NDF: 43.8/35



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 66.242+/-0.053 χ^2/NDF:0.0/0

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 66.242+/-0.053 χ^2/NDF: 0.0/0

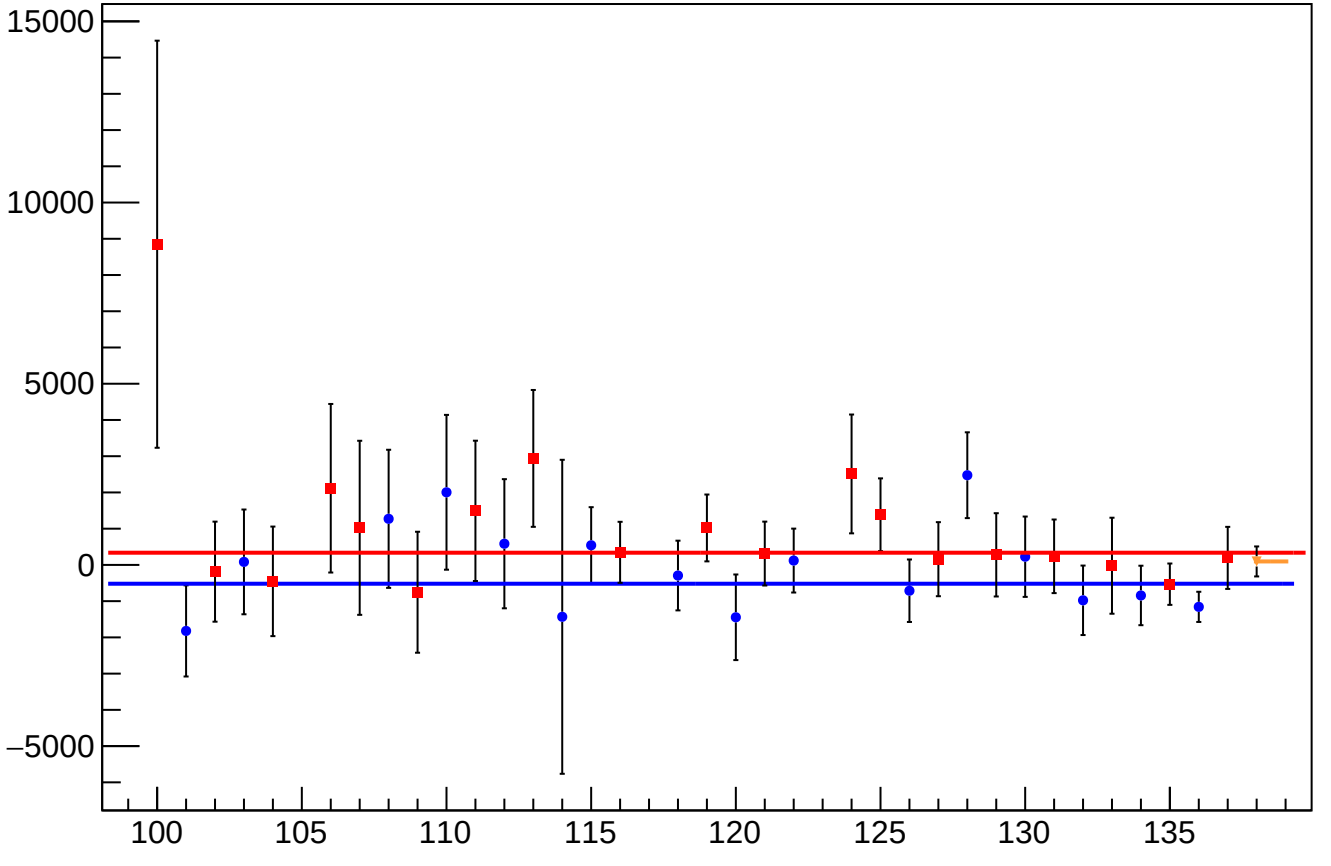
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 75.544+/-0.021 χ^2/NDF:1465550.9/15

Out: 77.537+/-0.020 χ^2/NDF:1735876.8/19

All: 76.575+/-0.015 χ^2/NDF: 3206020.1/35

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: 95.813+/-413.850 χ^2/NDF:0.0/0

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

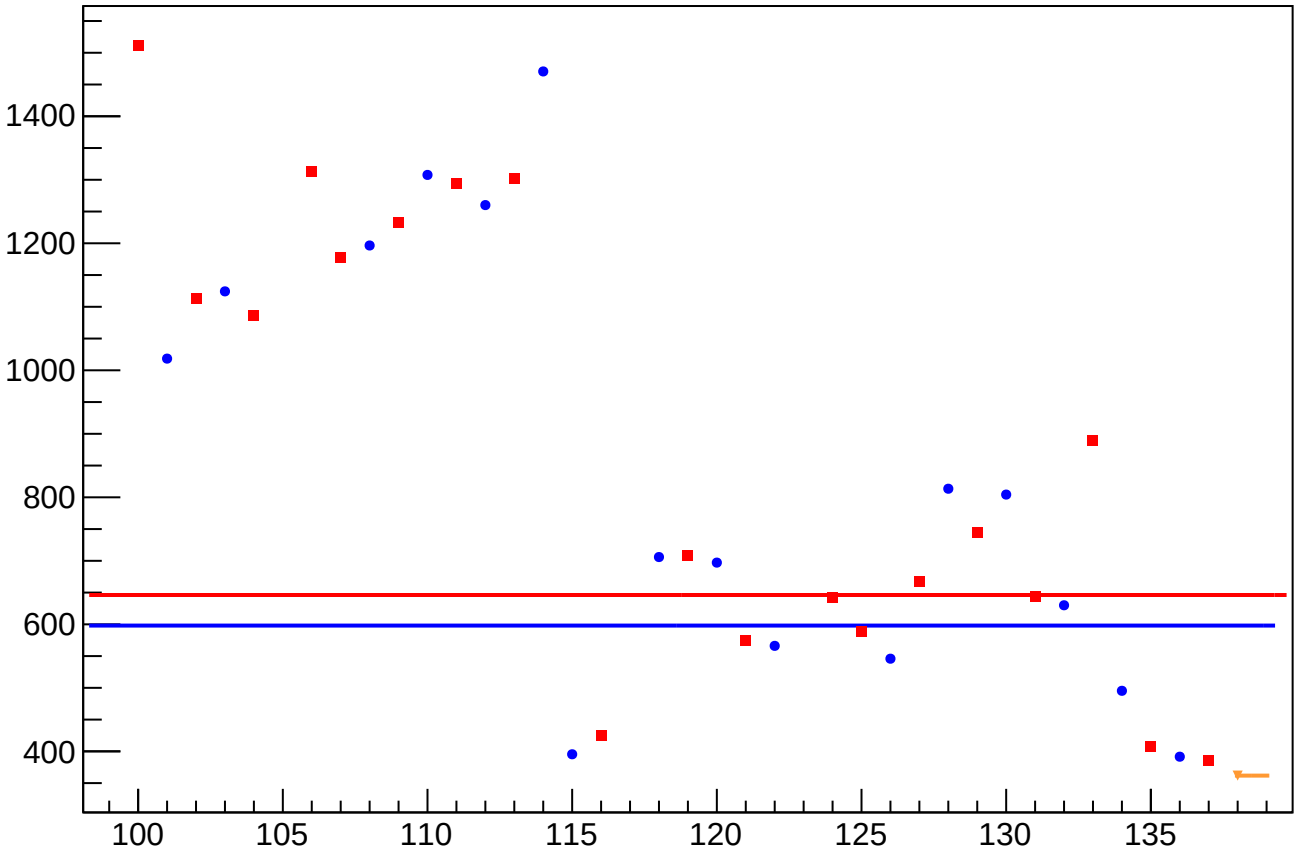
Left: 95.813+/-413.850 χ^2/NDF: 0.0/0

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -519.250+/-241.317 χ^2/NDF:15.8/15

Out: 269.825+/-218.093 χ^2/NDF:12.2/19

All: -84.926+/-161.804 χ^2/NDF: 33.9/35



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 361.790+/-0.293 χ^2/NDF:0.0/0

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

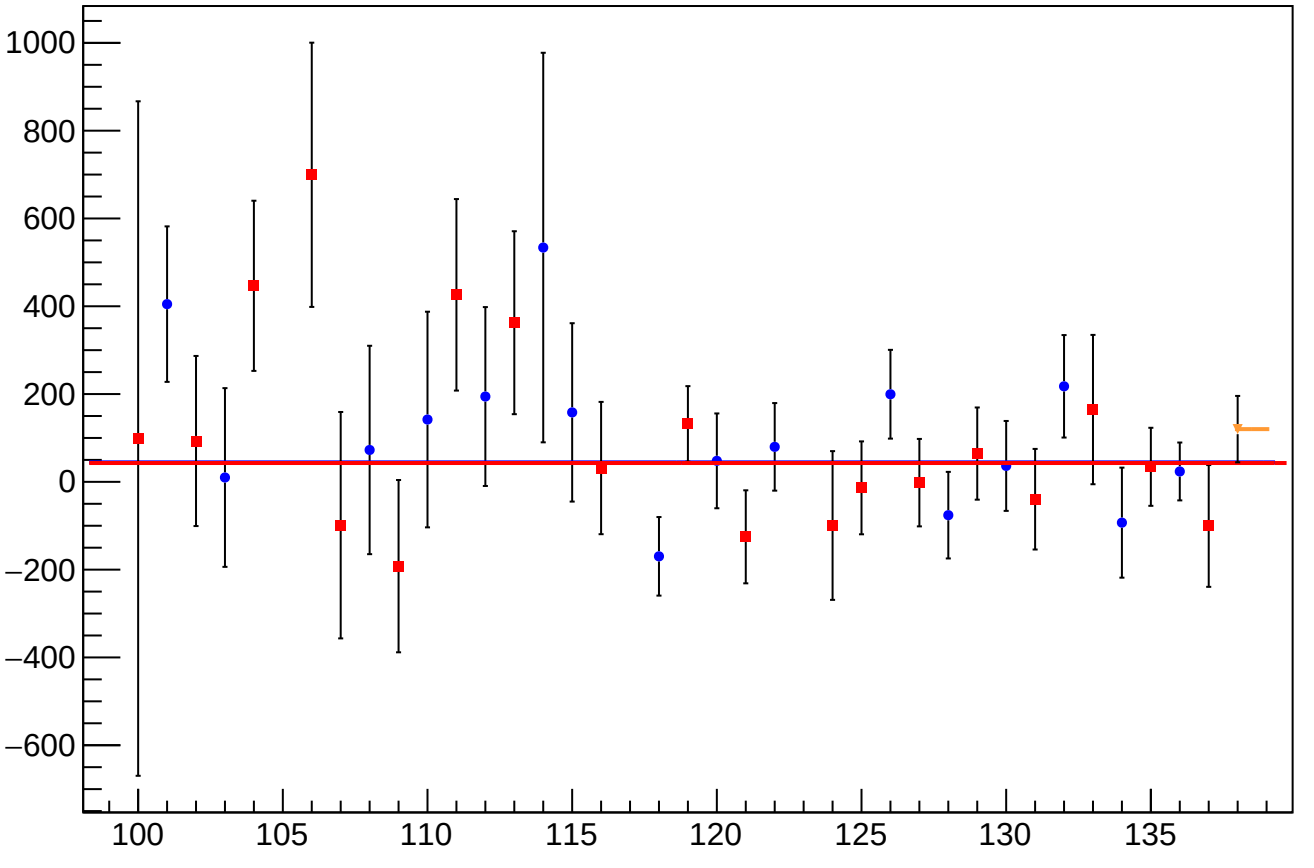
Left: 361.790+/-0.293 χ^2/NDF: 0.0/0

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 598.044+/-0.171 χ^2/NDF:2047825.1/15

Out: 567.208+/-0.154 χ^2/NDF:2887639.5/19

All: 581.071+/-0.114 χ^2/NDF: 4953439.1/35



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 120.125+/-75.617 χ^2/NDF:0.0/0

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

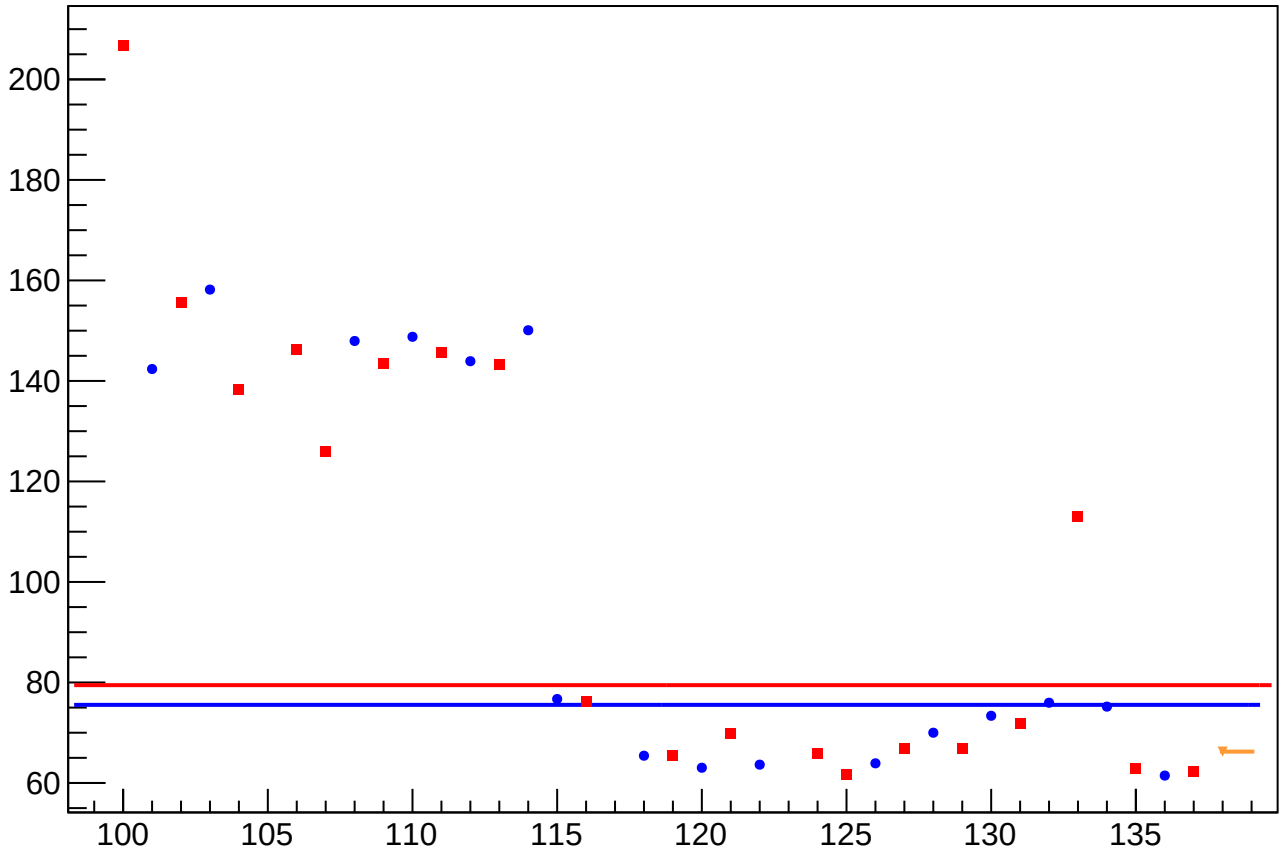
Left: 120.125+/-75.617 χ^2/NDF: 0.0/0

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 44.389+/-29.908 χ^2/NDF:19.6/15

Out: 54.164+/-28.879 χ^2/NDF:24.2/19

All: 49.448+/-20.775 χ^2/NDF: 43.8/35



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 66.242+/-0.053 χ^2/NDF:0.0/0

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 66.242+/-0.053 χ^2/NDF: 0.0/0

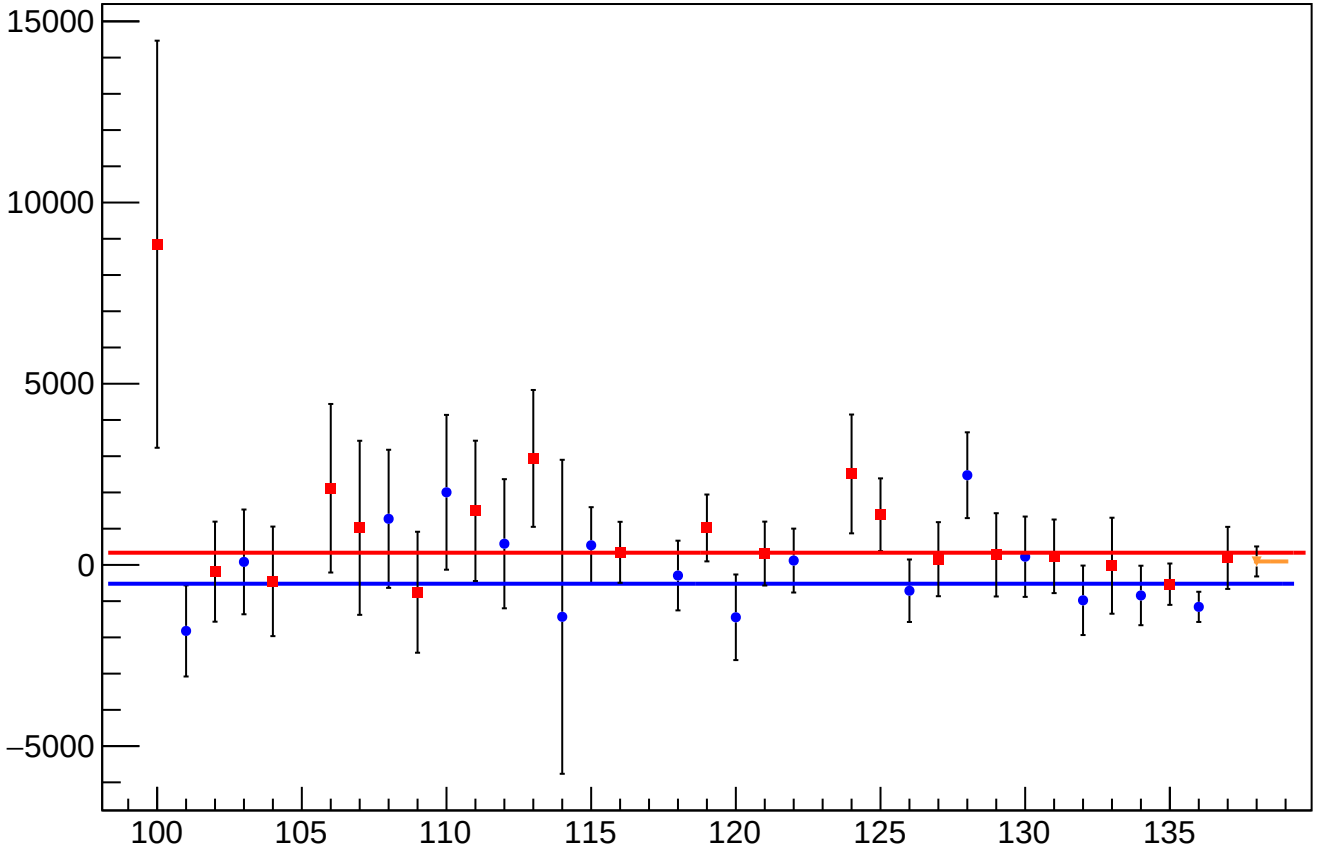
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 75.544+/-0.021 χ^2/NDF:1465535.8/15

Out: 77.536+/-0.020 χ^2/NDF:1735869.4/19

All: 76.575+/-0.015 χ^2/NDF: 3205997.8/35

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: 95.807+/-413.848 χ^2/NDF:0.0/0

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 95.807+/-413.848 χ^2/NDF: 0.0/0

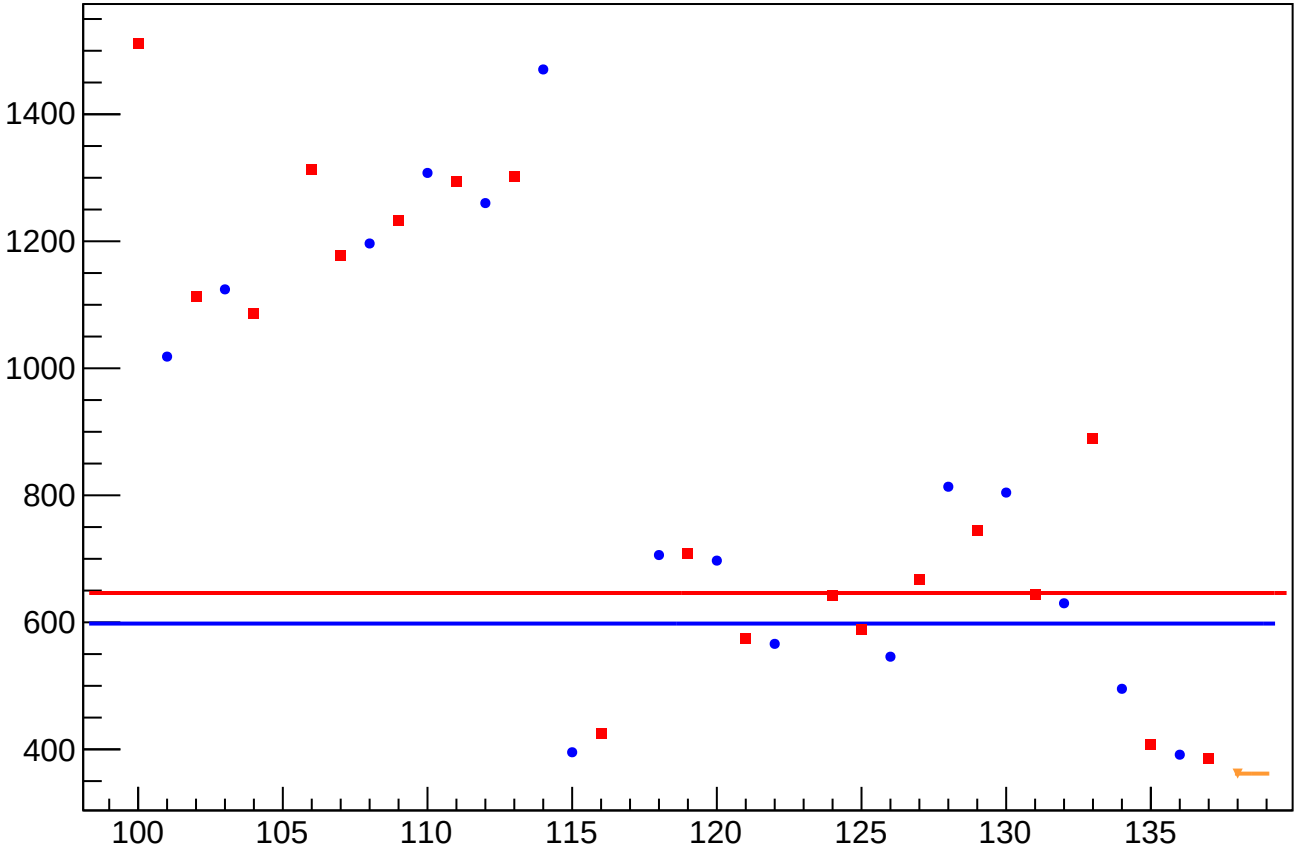
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -519.247+/-241.316 χ^2/NDF:15.8/15

Out: 269.823+/-218.092 χ^2/NDF:12.2/19

All: -84.925+/-161.804 χ^2/NDF: 33.9/35

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: 361.788+/-0.293 χ^2/NDF:0.0/0

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

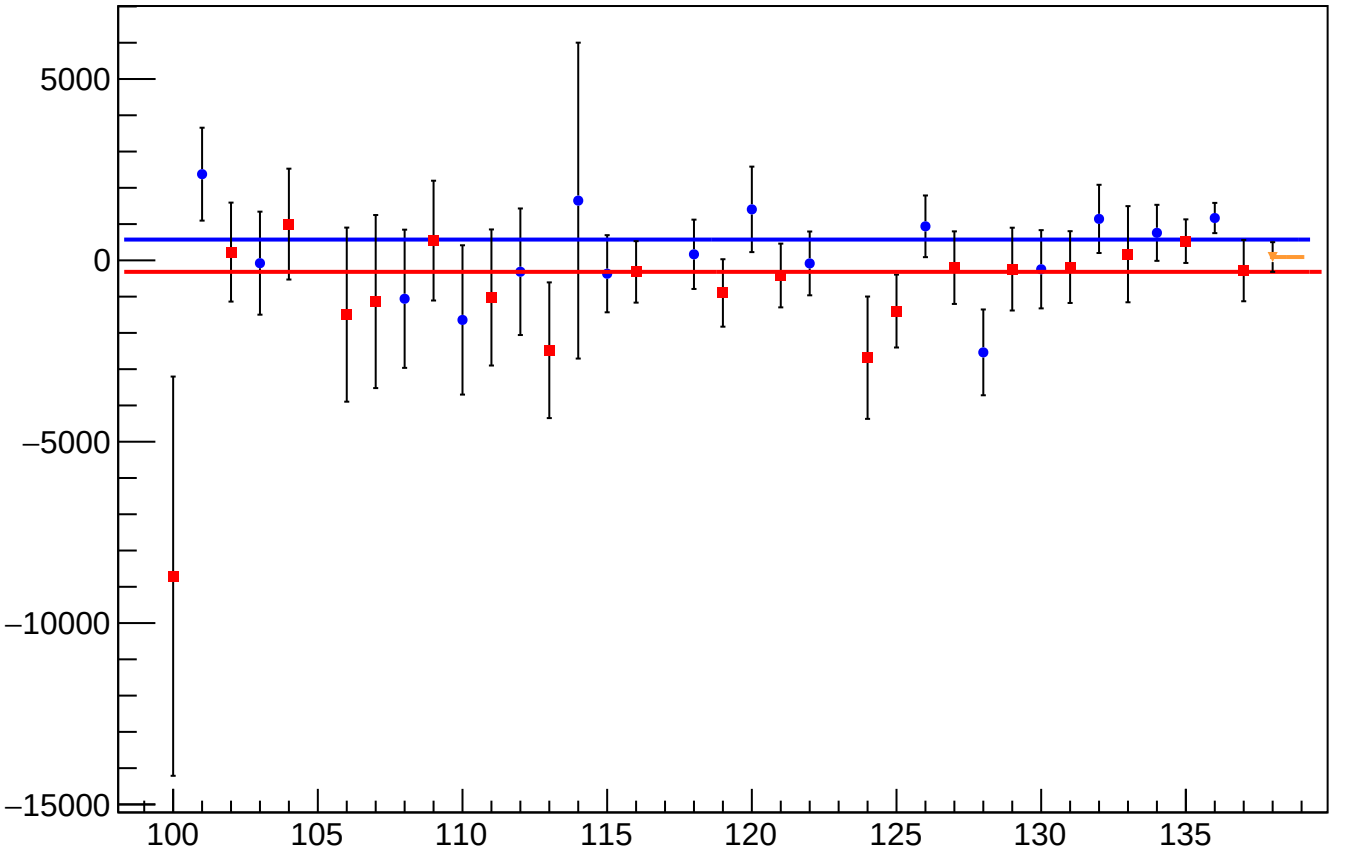
Left: 361.788+/-0.293 χ^2/NDF: 0.0/0

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 598.044+/-0.171 χ^2/NDF:2047806.5/15

Out: 567.207+/-0.154 χ^2/NDF:2887636.5/19

All: 581.070+/-0.114 χ^2/NDF: 4953418.5/35



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 91.769+/-409.925 χ^2/NDF:0.0/0

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 91.769+/-409.925 χ^2/NDF: 0.0/0

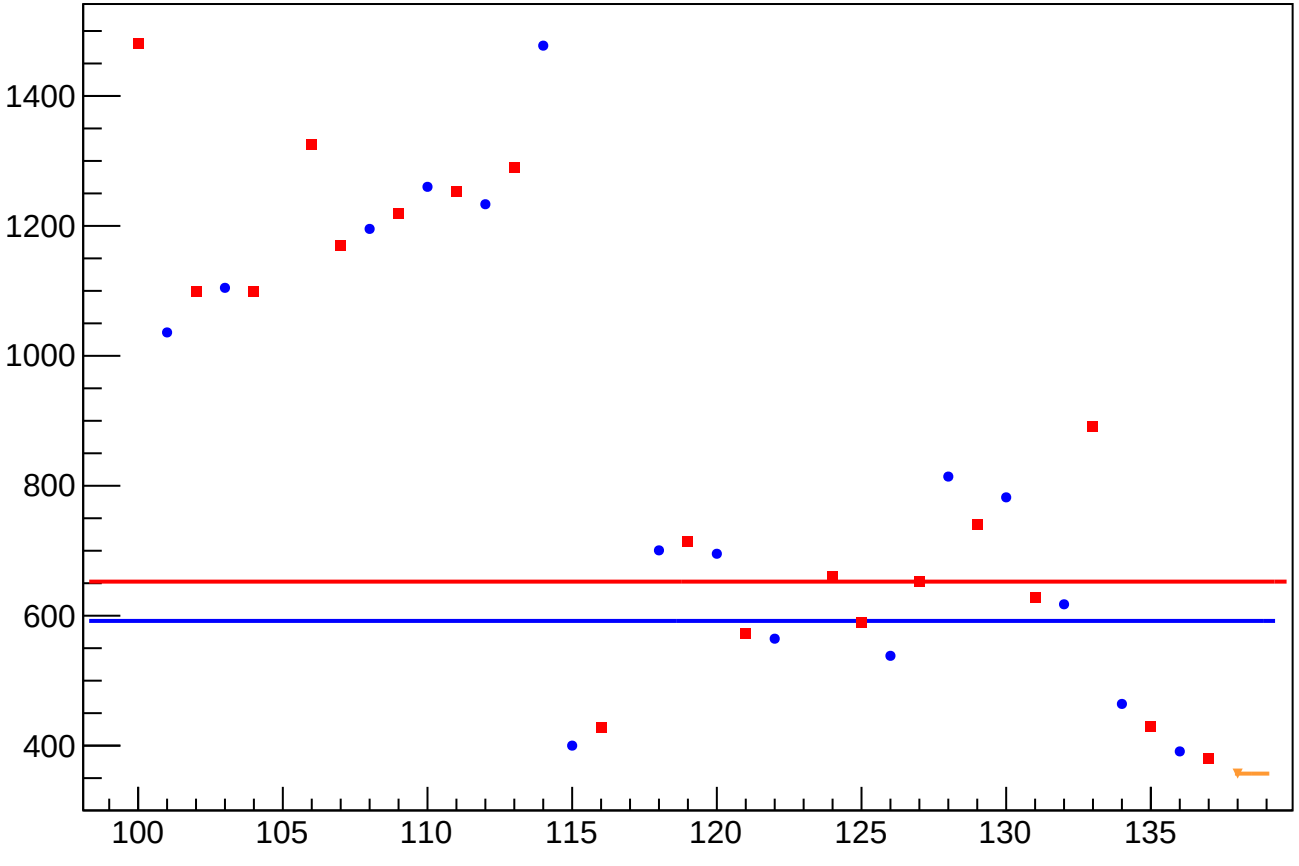
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 573.374+/-238.921 χ^2/NDF:16.6/15

Out: -200.744+/-218.497 χ^2/NDF:11.7/19

All: 151.818+/-161.239 χ^2/NDF: 34.0/35

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 356.944+/-0.290 χ^2/NDF:0.0/0

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

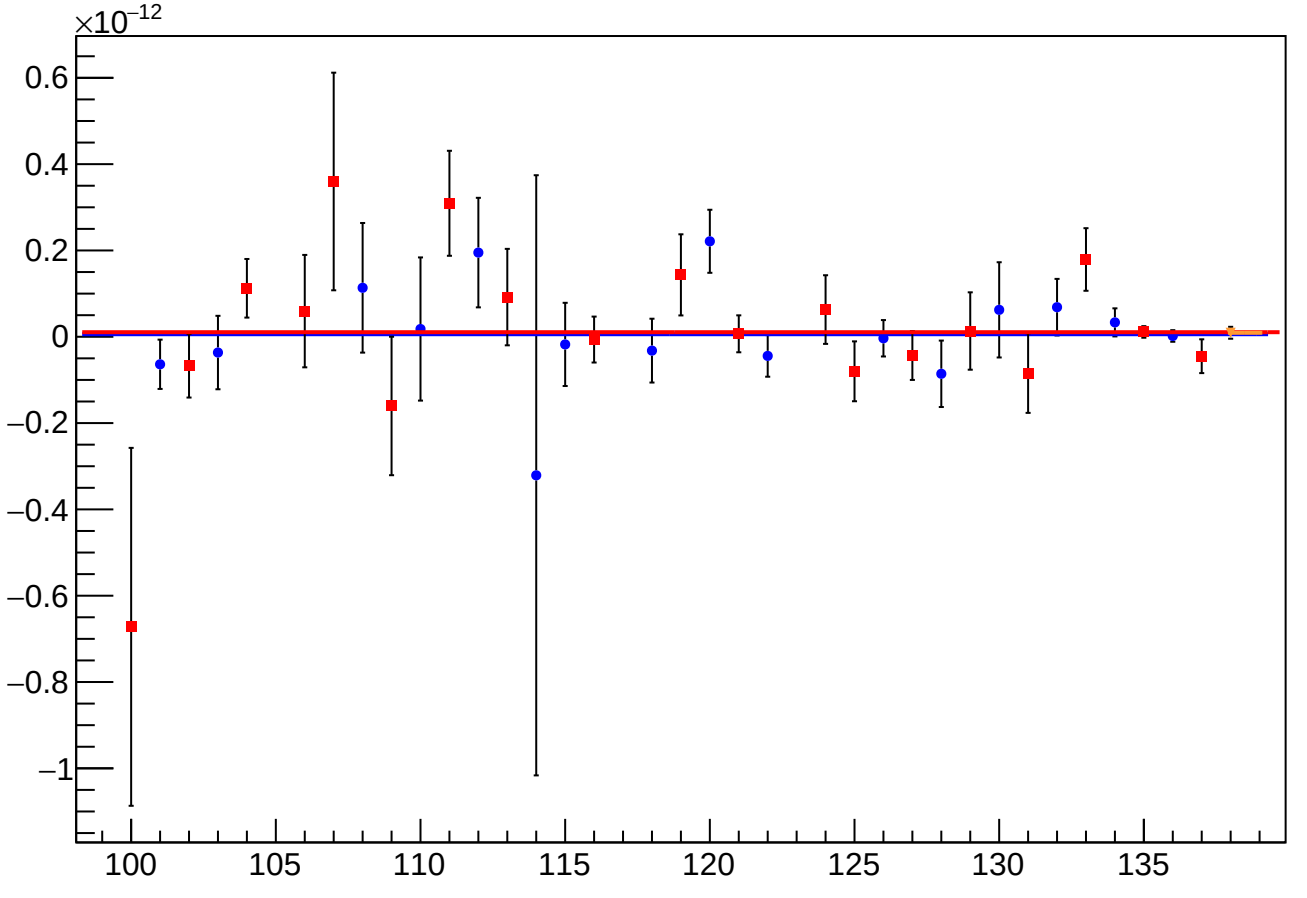
Left: 356.944+/-0.290 χ^2/NDF: 0.0/0

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 591.974+/-0.169 χ^2/NDF:2035700.6/15

Out: 568.501+/-0.155 χ^2/NDF:2834081.9/19

All: 579.191+/-0.114 χ^2/NDF: 4880295.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

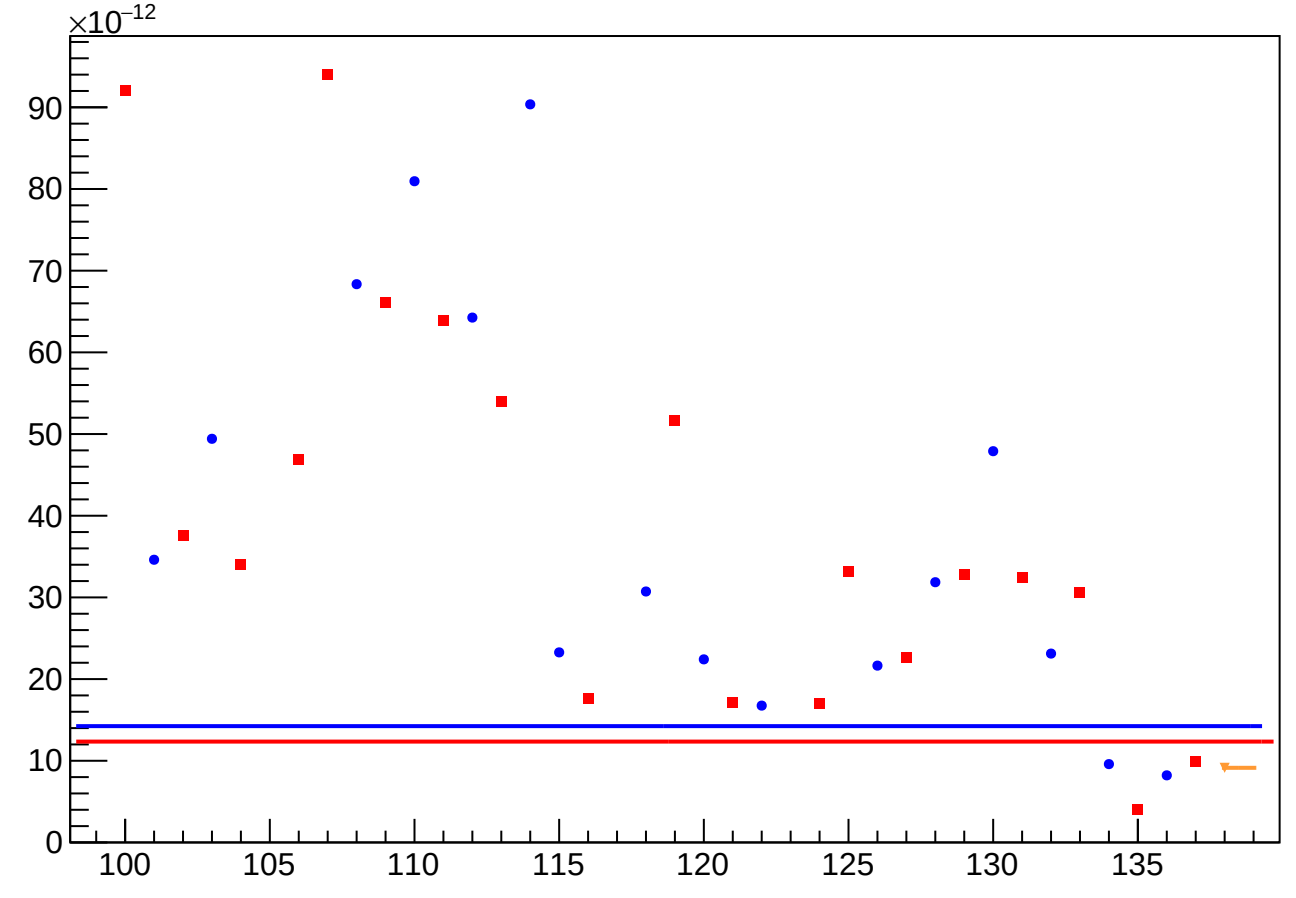
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:18.2/15

Out: 0.000+/-0.000 χ^2/NDF:29.5/19

All: 0.000+/-0.000 χ^2/NDF: 47.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

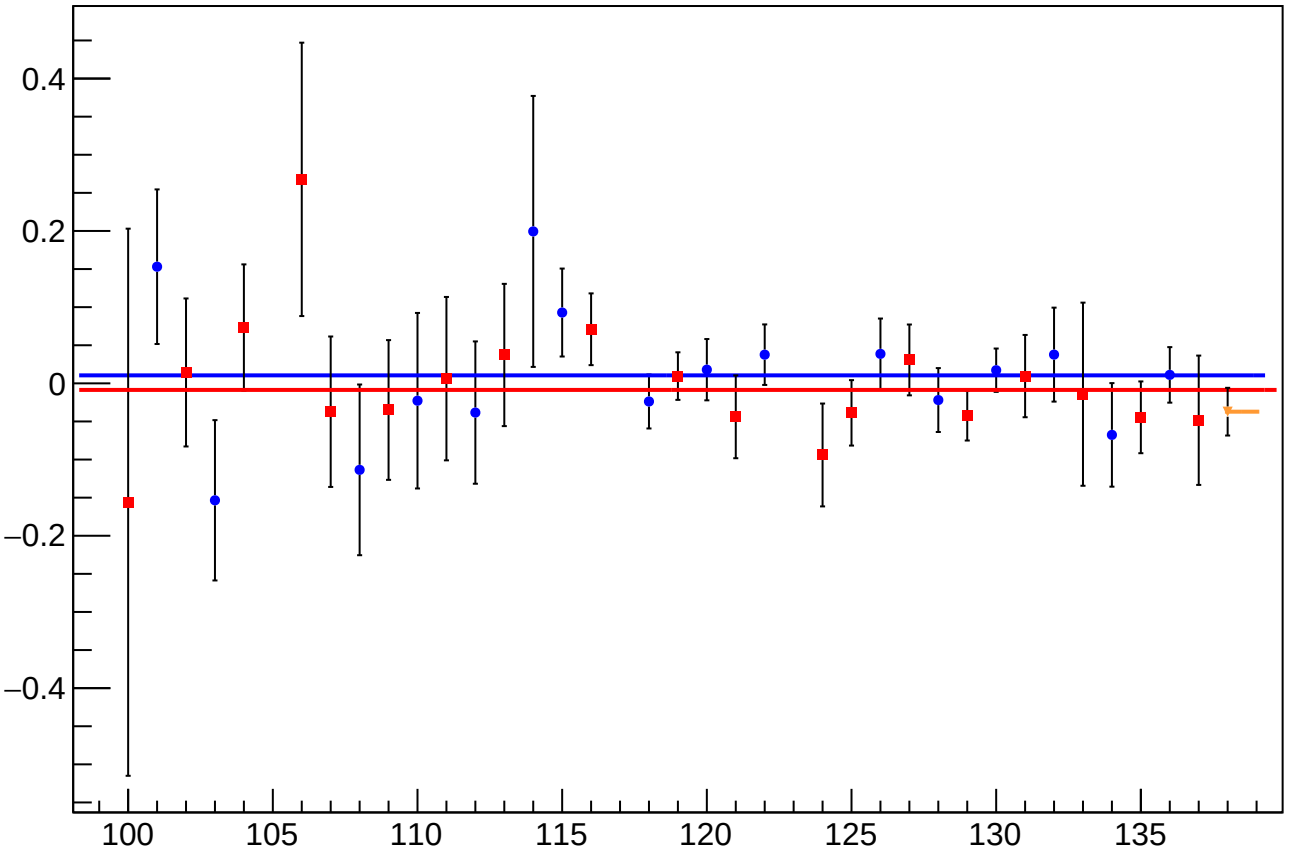
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5998748.7/34

In: 0.000+/-0.000 χ^2/NDF:2493527.4/15

Out: 0.000+/-0.000 χ^2/NDF:3541189.1/19

All: 0.000+/-0.000 χ^2/NDF: 6139079.5/35



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.037+/-0.031 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

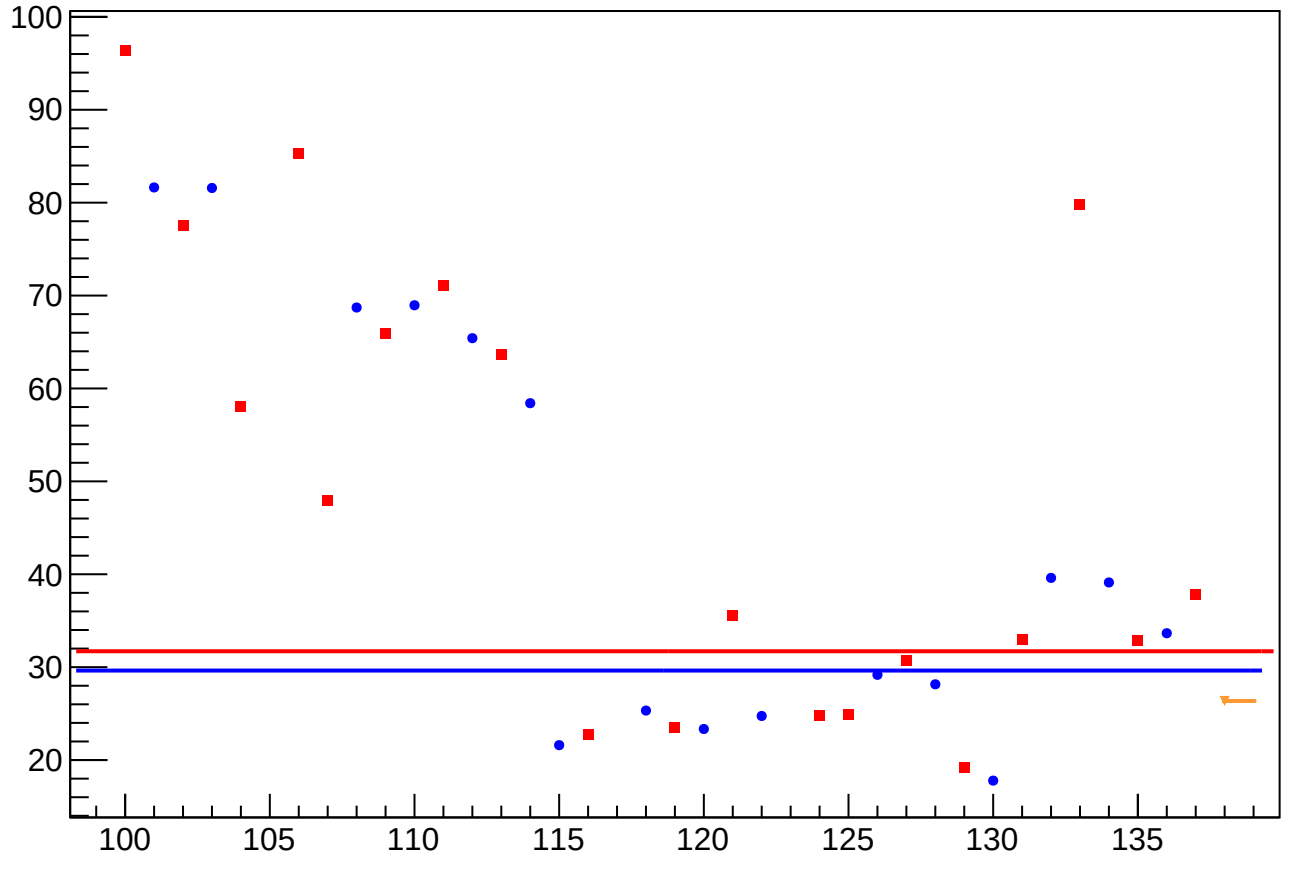
Left: -0.037+/-0.031 χ^2/NDF: 0.0/0

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.013 χ^2/NDF:13.1/15

Out: -0.013+/-0.012 χ^2/NDF:13.1/19

All: -0.002+/-0.009 χ^2/NDF: 28.1/35



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 26.359+/-0.022 χ^2/NDF:0.0/0

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

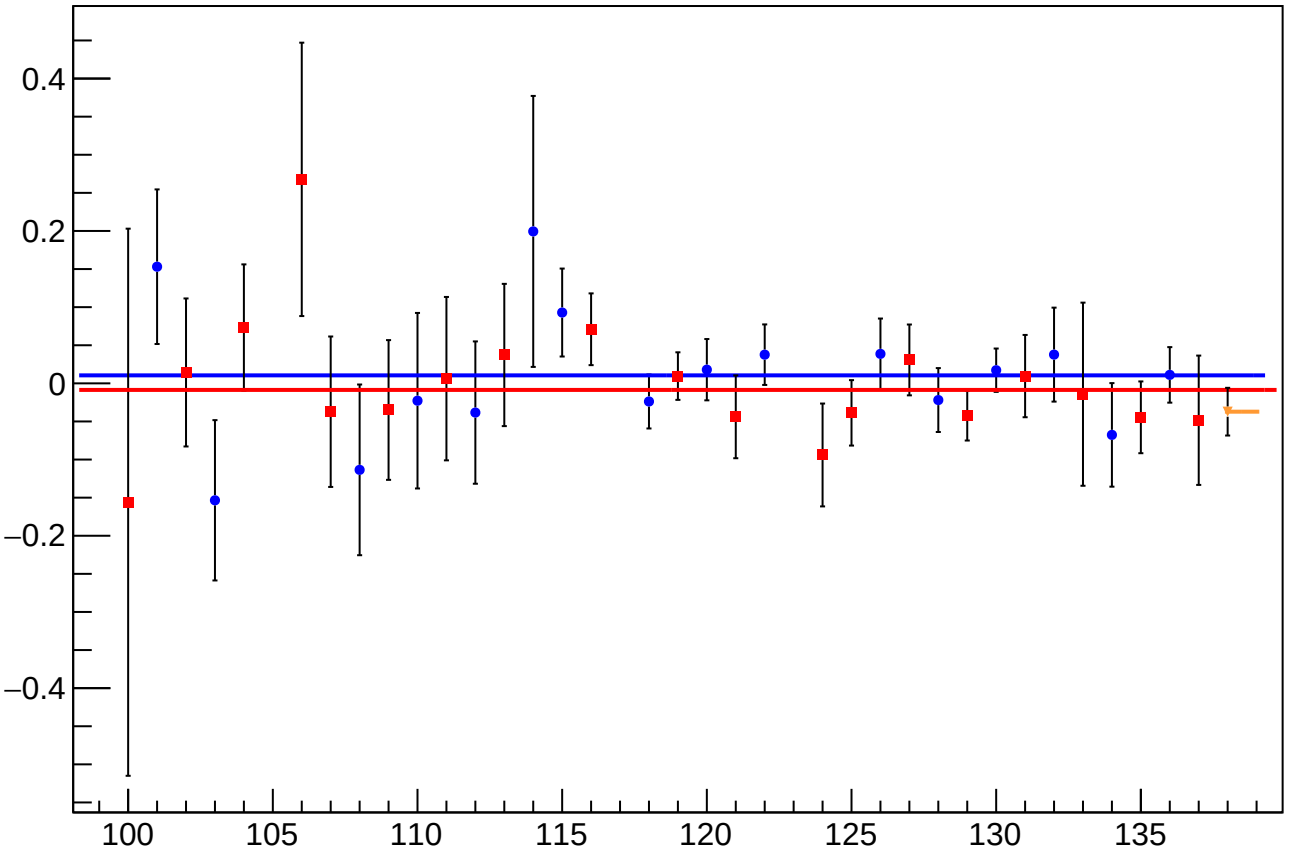
Left: 26.359+/-0.022 χ^2/NDF: 0.0/0

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.635+/-0.009 χ^2/NDF:2448468.0/15

Out: 30.900+/-0.009 χ^2/NDF:2701089.7/19

All: 30.286+/-0.006 χ^2/NDF: 5160005.7/35



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.037+/-0.031 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.037+/-0.031 χ^2/NDF: 0.0/0

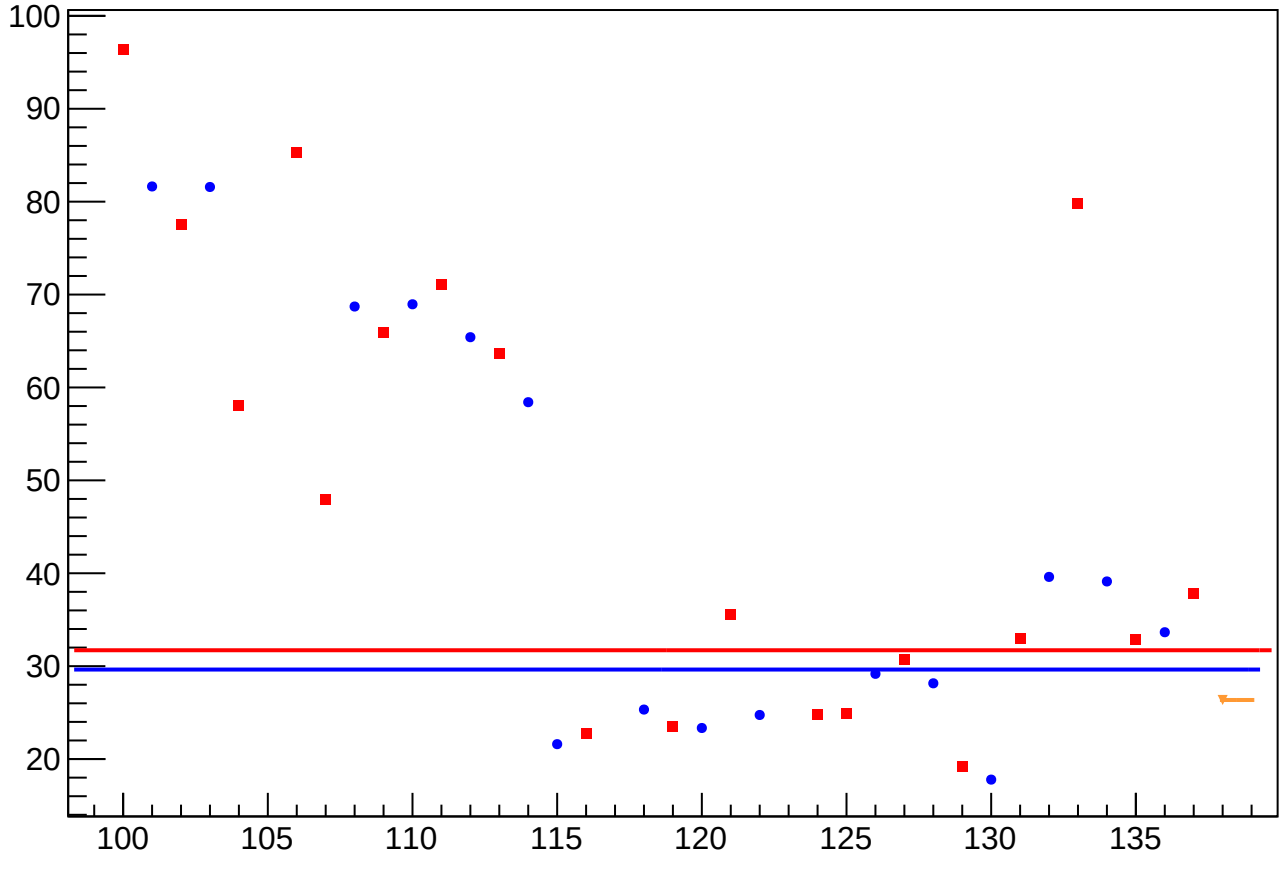
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.013 χ^2/NDF:13.1/15

Out: -0.013+/-0.012 χ^2/NDF:13.1/19

All: -0.002+/-0.009 χ^2/NDF: 28.1/35

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: 26.359+/-0.022 χ^2/NDF:0.0/0

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

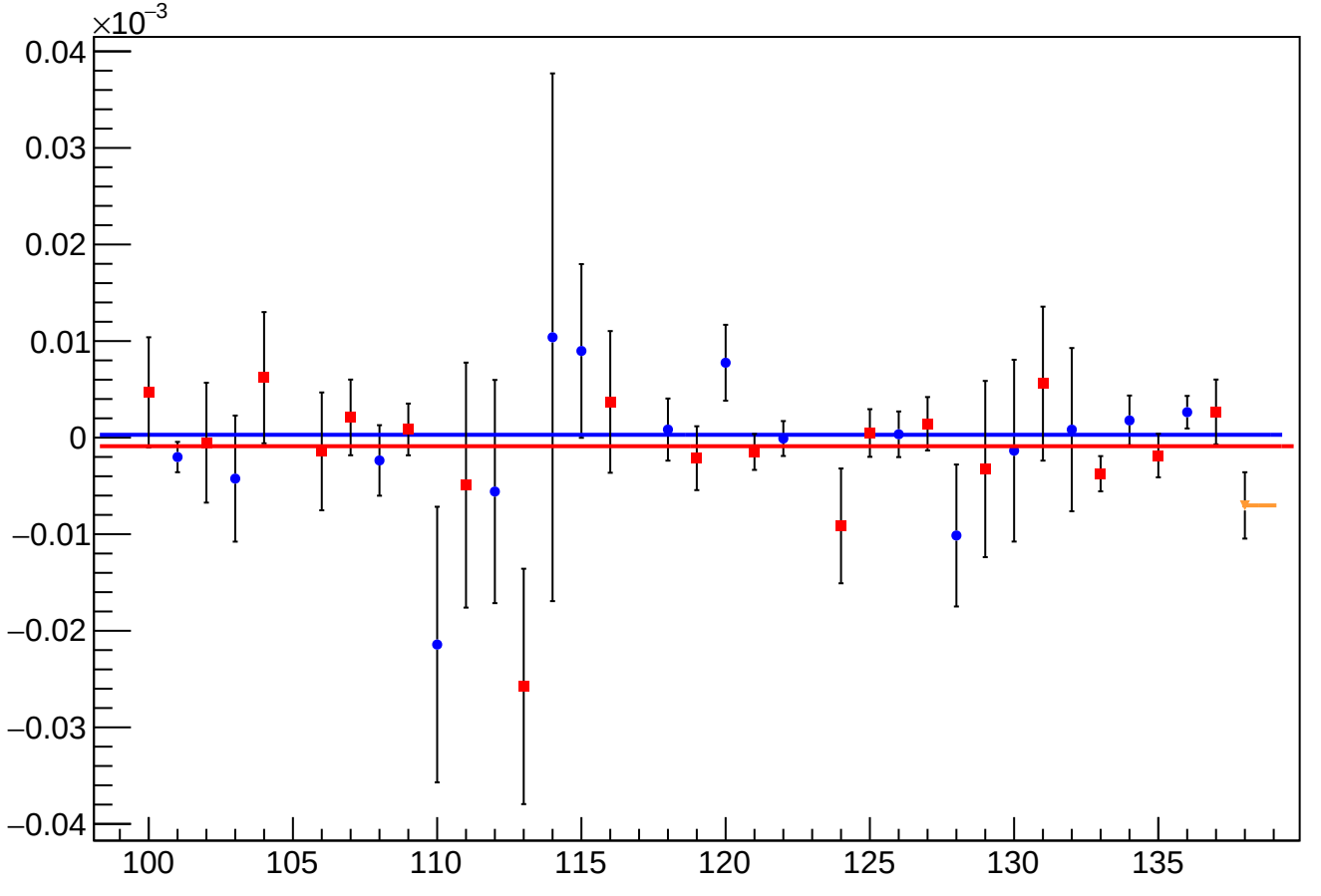
Left: 26.359+/-0.022 χ^2/NDF: 0.0/0

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.635+/-0.009 χ^2/NDF:2448468.0/15

Out: 30.900+/-0.009 χ^2/NDF:2701089.7/19

All: 30.286+/-0.006 χ^2/NDF: 5160005.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

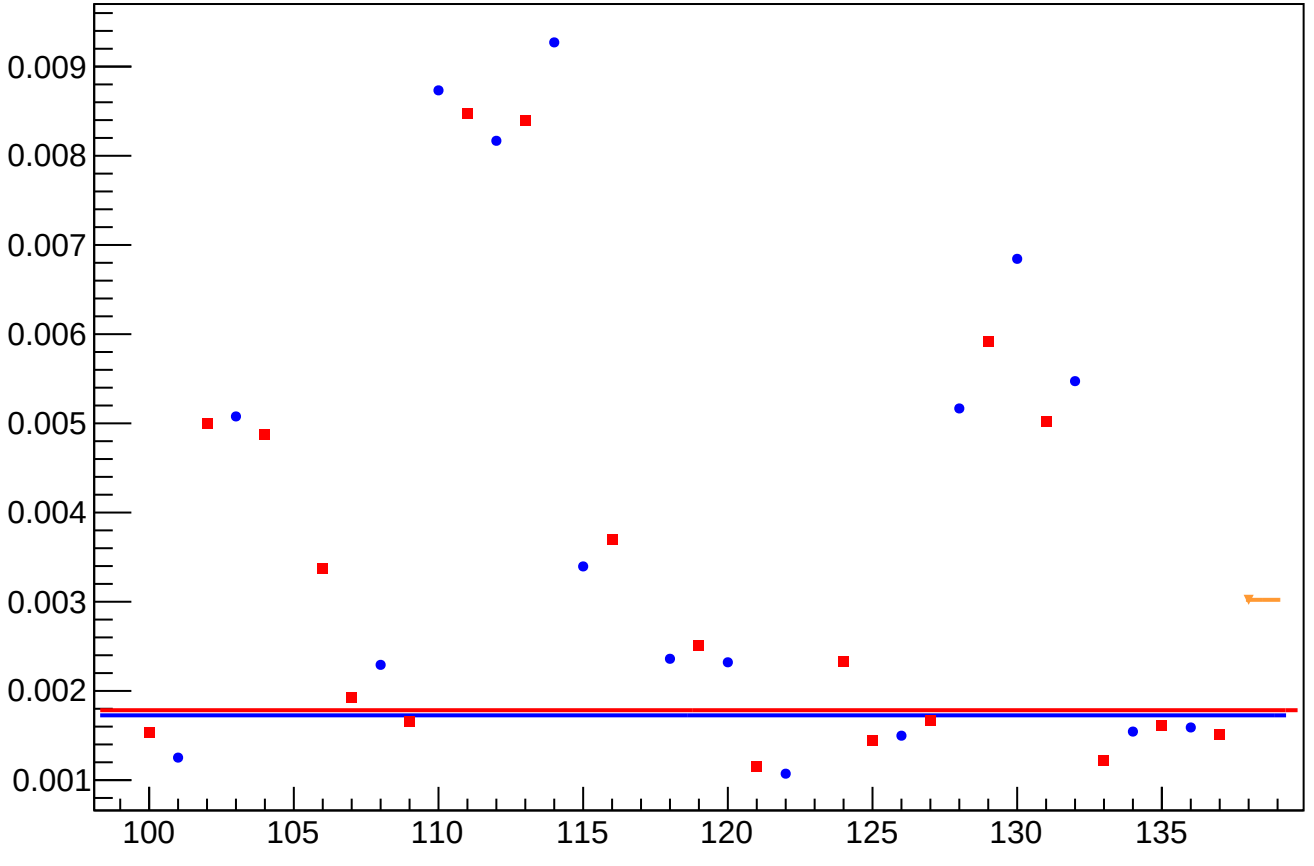
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: 0.000+/-0.000 χ^2/NDF:14.8/15

Out: -0.000+/-0.000 χ^2/NDF:18.4/19

All: -0.000+/-0.000 χ^2/NDF: 35.1/35

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: 0.003+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

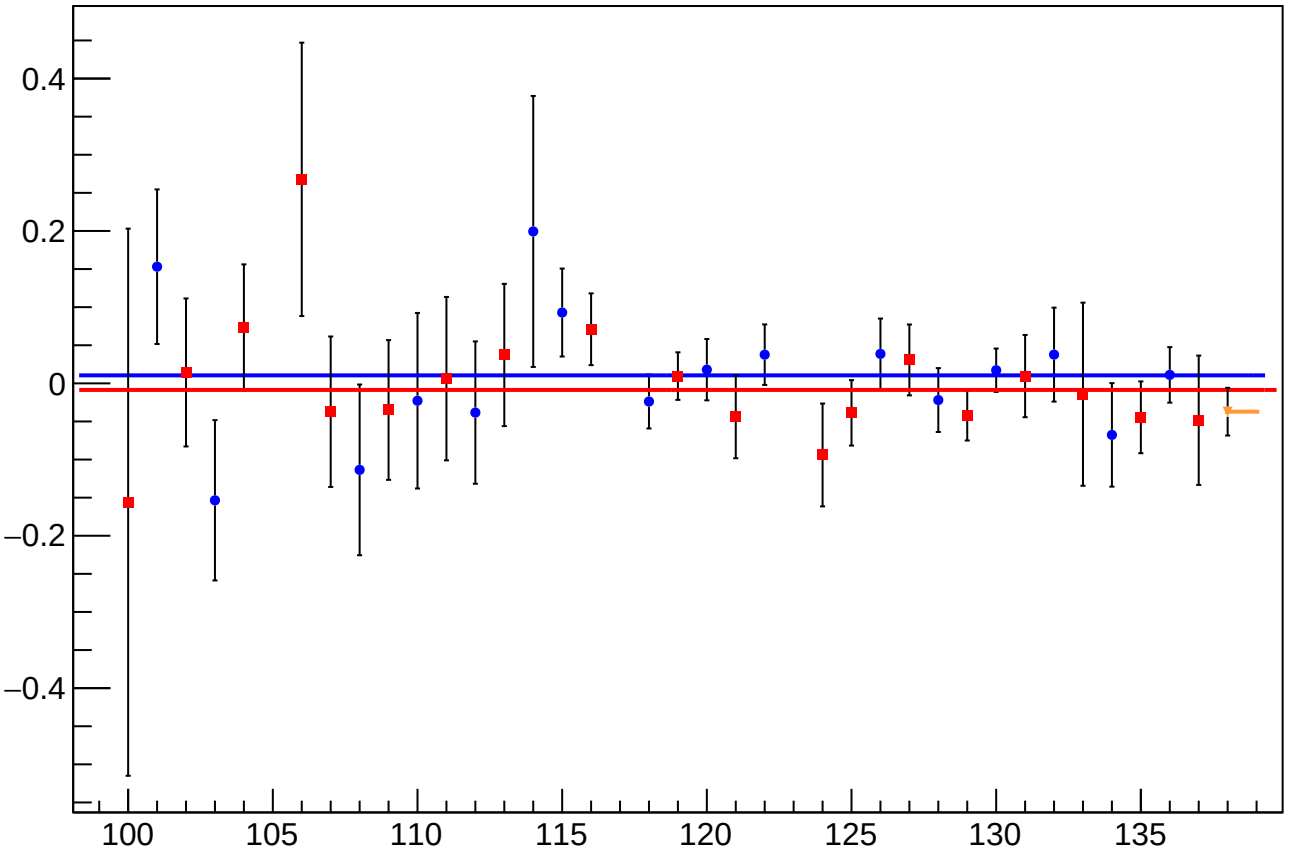
Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:3932244.6/15

Out: 0.002+/-0.000 χ^2/NDF:3965688.5/19

All: 0.002+/-0.000 χ^2/NDF: 7921969.8/35



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.037+/-0.031 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

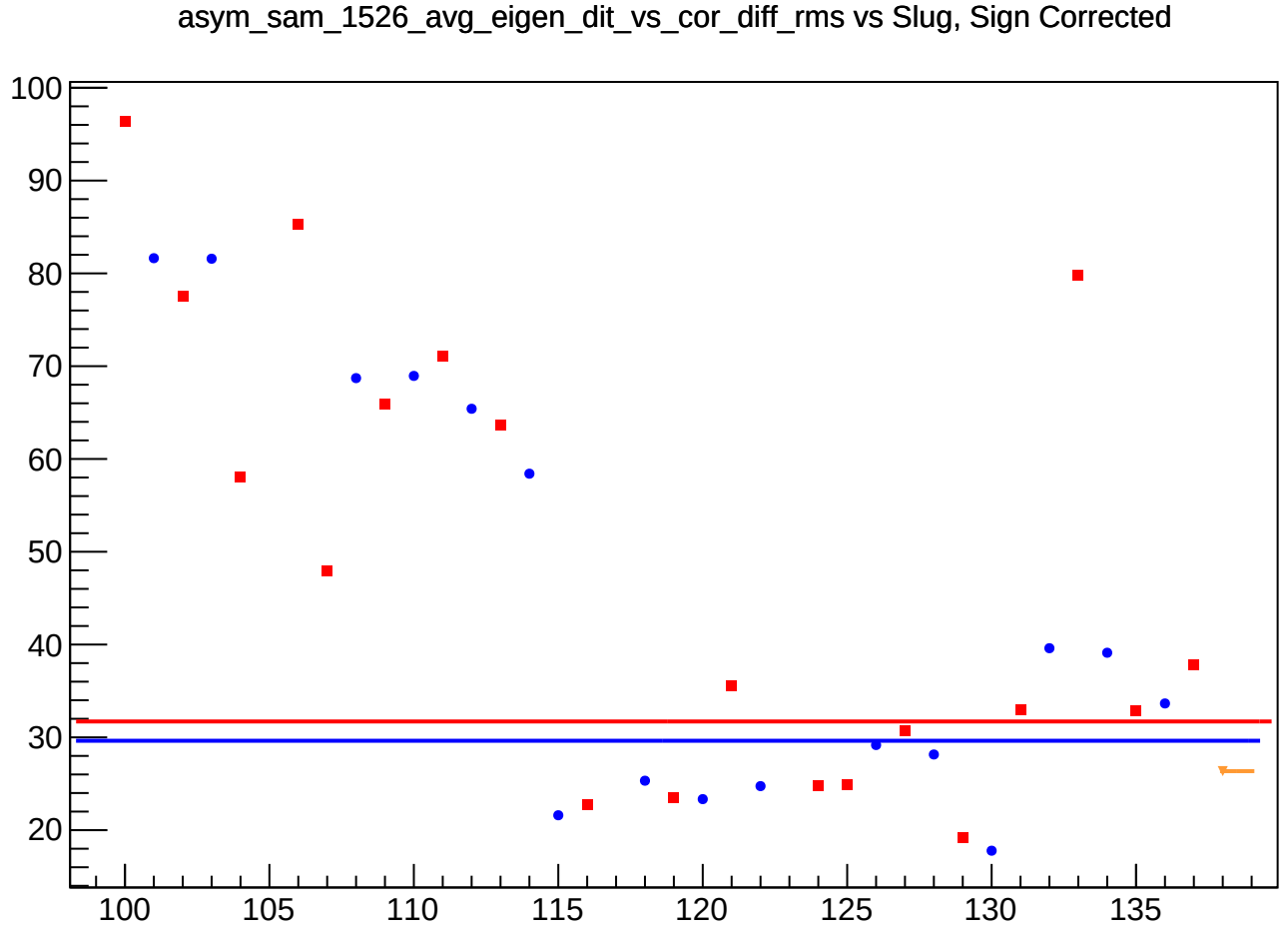
Left: -0.037+/-0.031 χ^2/NDF: 0.0/0

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.013 χ^2/NDF:13.1/15

Out: -0.013+/-0.012 χ^2/NDF:13.1/19

All: -0.002+/-0.009 χ^2/NDF: 28.1/35



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 26.359+/-0.022 χ^2/NDF:0.0/0

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

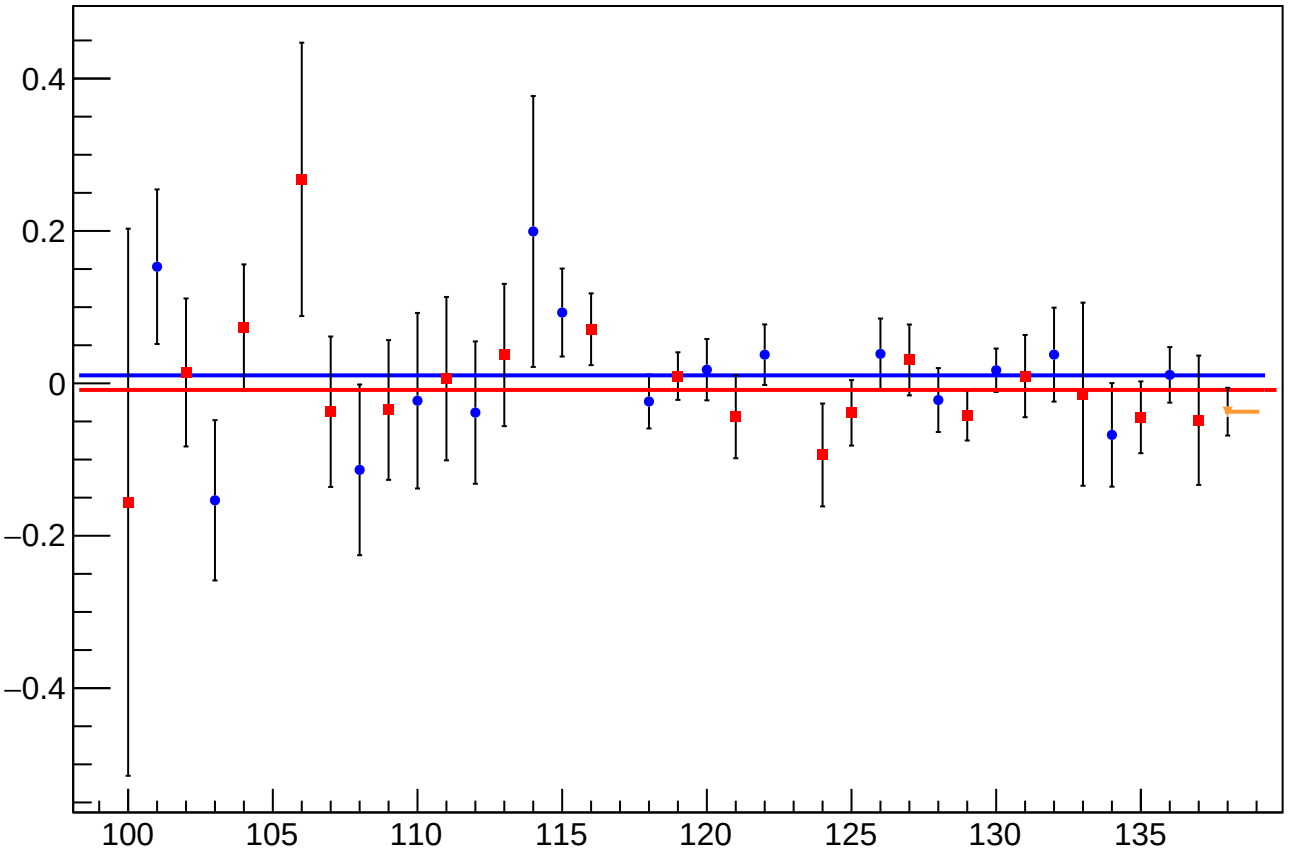
Left: 26.359+/-0.022 χ^2/NDF: 0.0/0

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 29.633+/-0.009 χ^2/NDF:2448670.6/15

Out: 30.899+/-0.009 χ^2/NDF:2701236.1/19

All: 30.285+/-0.006 χ^2/NDF: 5160358.7/35



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.037+/-0.031 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

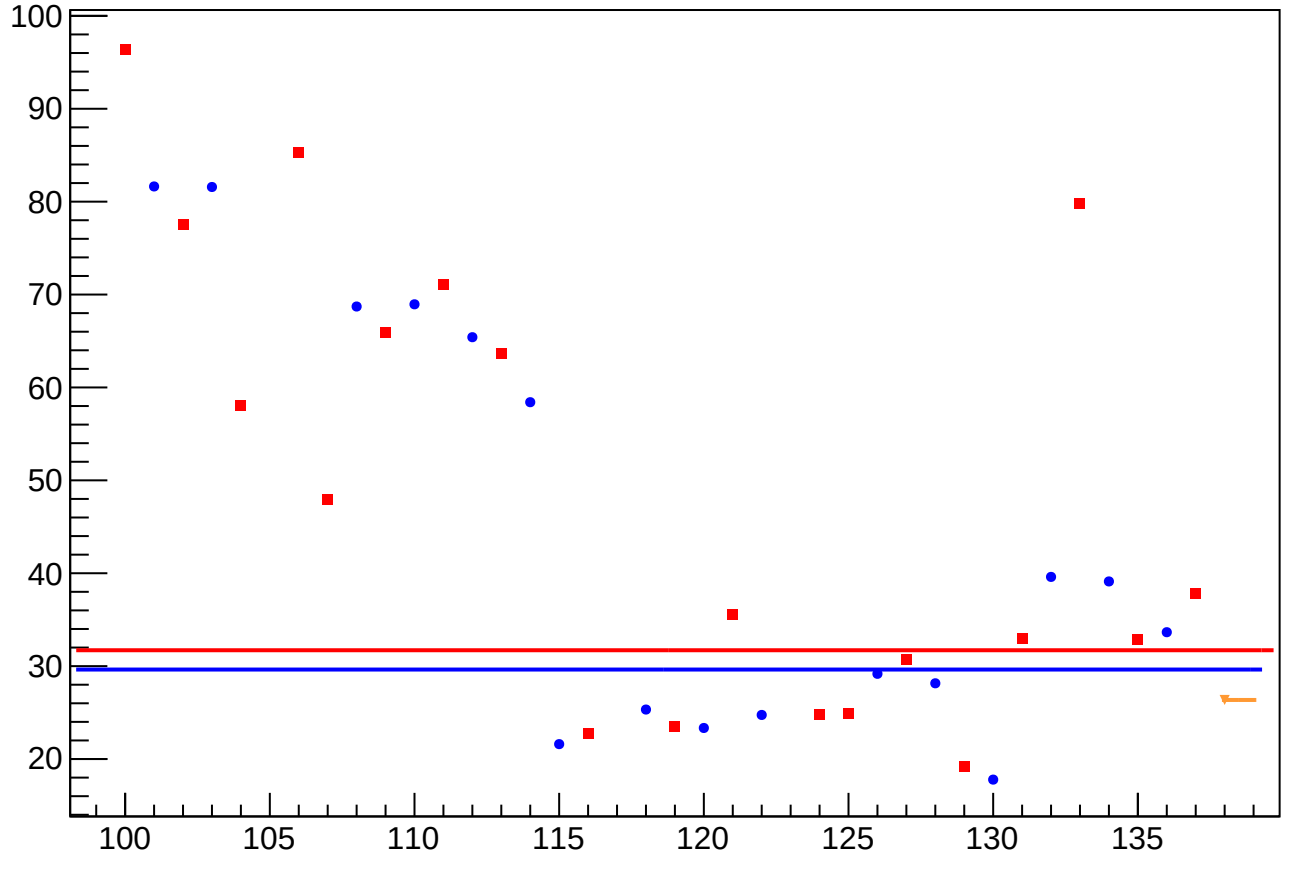
Left: -0.037+/-0.031 χ^2/NDF: 0.0/0

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.013 χ^2/NDF:13.1/15

Out: -0.013+/-0.012 χ^2/NDF:13.1/19

All: -0.002+/-0.009 χ^2/NDF: 28.1/35



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 26.359+/-0.022 χ^2/NDF:0.0/0

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

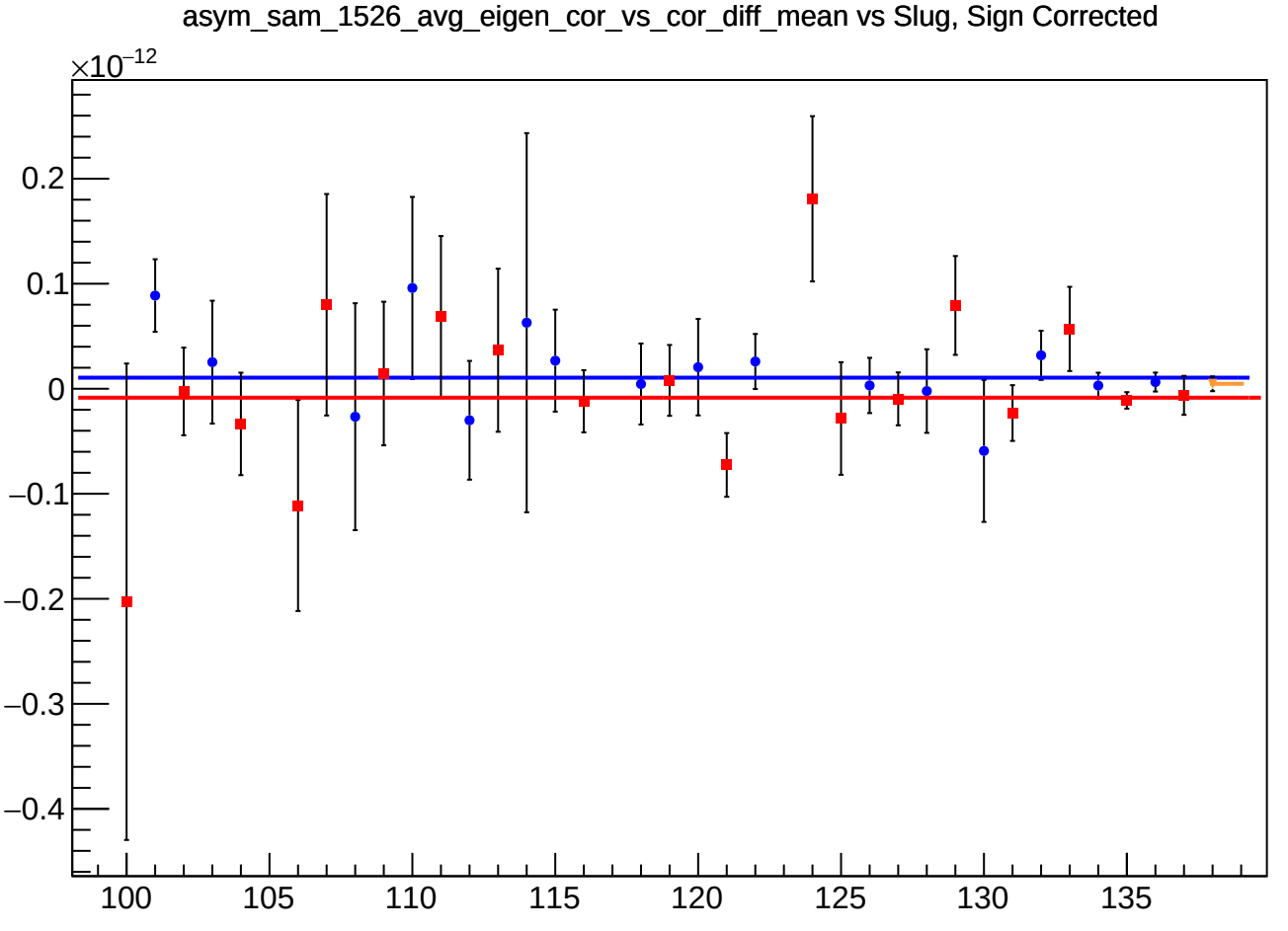
Left: 26.359+/-0.022 χ^2/NDF: 0.0/0

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 29.633+/-0.009 χ^2/NDF:2448670.6/15

Out: 30.899+/-0.009 χ^2/NDF:2701236.1/19

All: 30.285+/-0.006 χ^2/NDF: 5160358.7/35



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

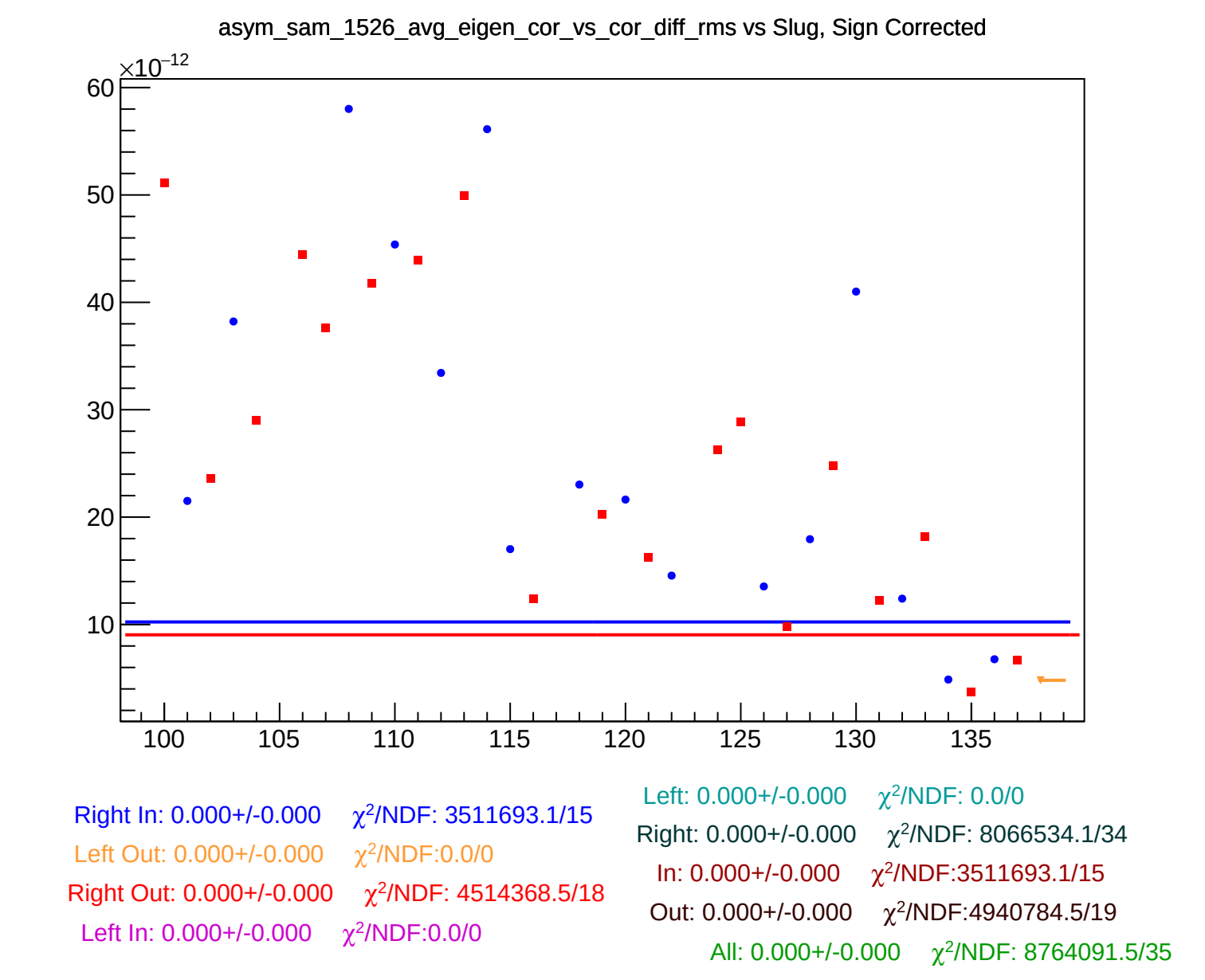
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

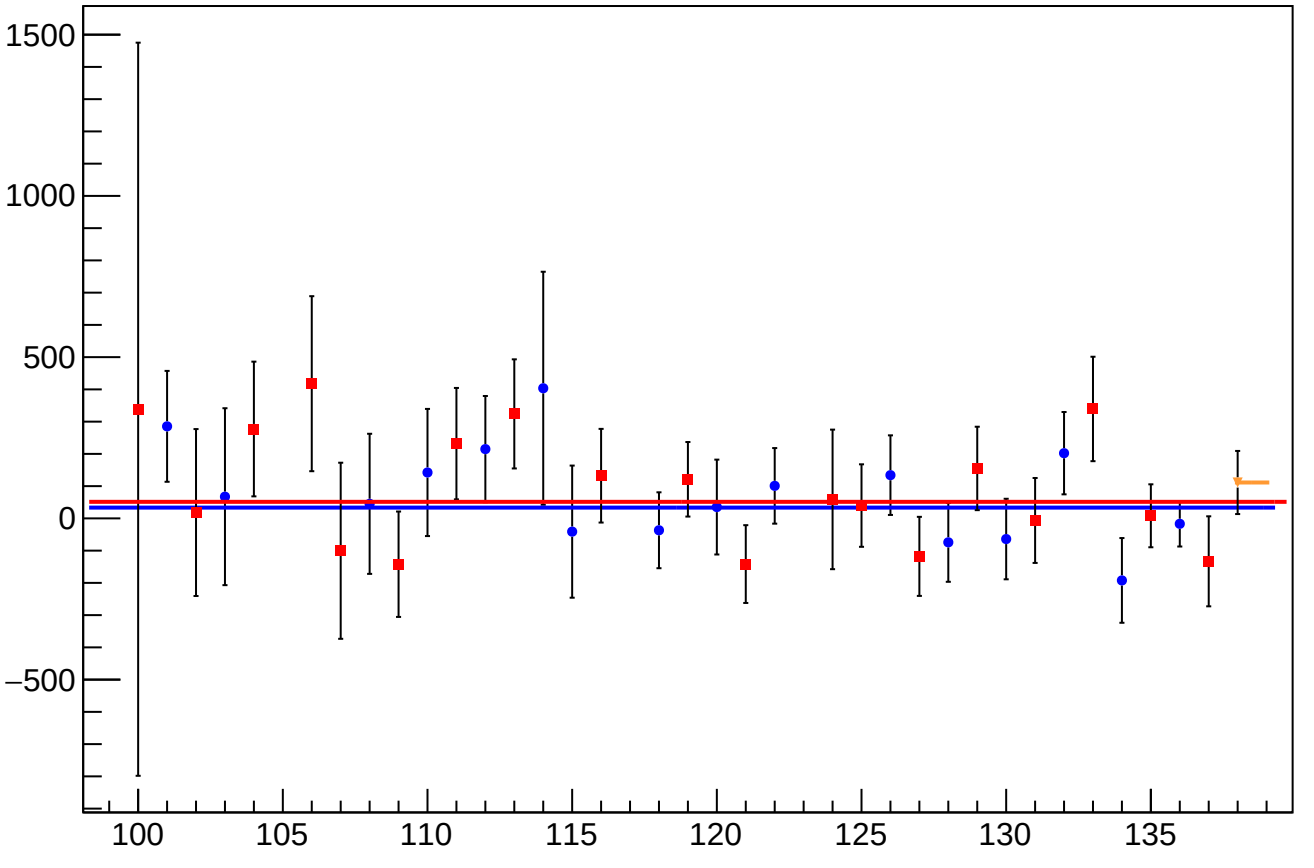
Right: 0.000+/-0.000 χ^2/NDF: 36.6/34

In: 0.000+/-0.000 χ^2/NDF:10.1/15

Out: -0.000+/-0.000 χ^2/NDF:23.5/19

All: 0.000+/-0.000 χ^2/NDF: 36.8/35


asym_sam_1526_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
Right In: 0.000+/-0.000 χ²/NDF: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 8066534.1/34
In: 0.000+/-0.000 χ²/NDF:3511693.1/15
Out: 0.000+/-0.000 χ²/NDF:4940784.5/19
All: 0.000+/-0.000 χ²/NDF: 8764091.5/35



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 111.285+/-97.865 χ^2/NDF:0.0/0

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

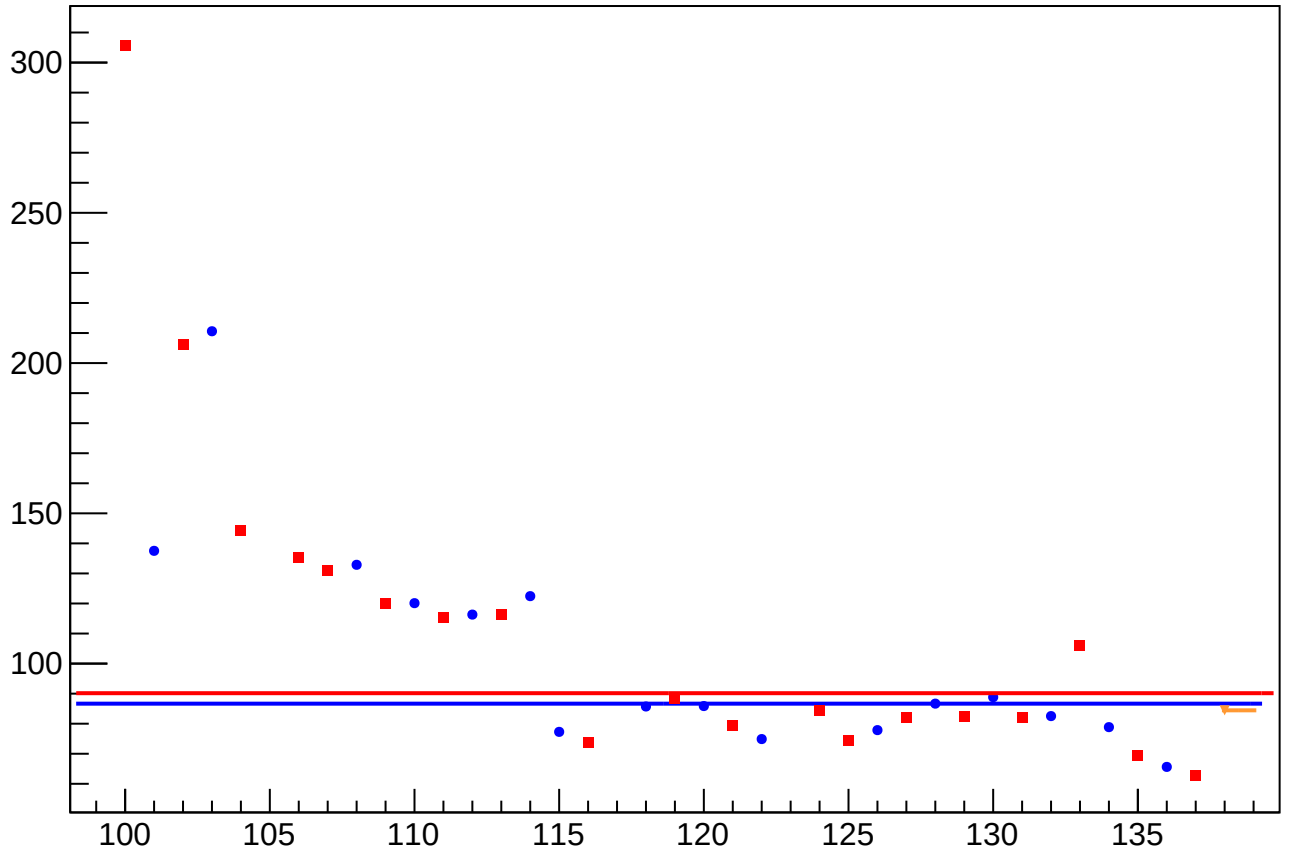
Left: 111.285+/-97.865 χ^2/NDF: 0.0/0

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 33.431+/-33.881 χ^2/NDF:12.8/15

Out: 58.082+/-32.831 χ^2/NDF:19.9/19

All: 46.144+/-23.577 χ^2/NDF: 33.0/35



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 84.448+/-0.069 χ^2/NDF:0.0/0

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

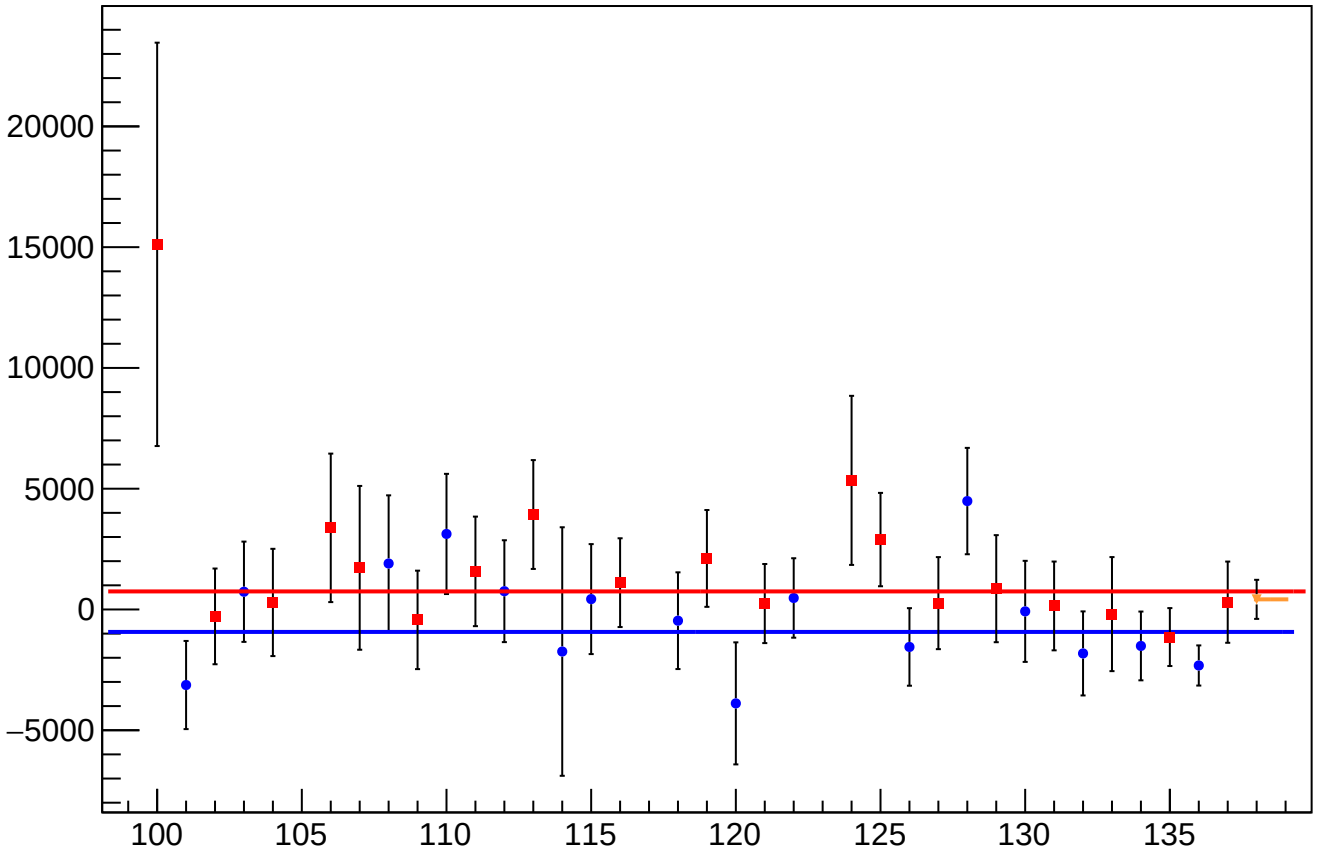
Left: 84.448+/-0.069 χ^2/NDF: 0.0/0

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 86.666+/-0.024 χ^2/NDF:1038813.4/15

Out: 89.511+/-0.023 χ^2/NDF:1156008.4/19

All: 88.133+/-0.017 χ^2/NDF: 2202093.3/35



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: 418.764+/-808.774 χ^2/NDF:0.0/0

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

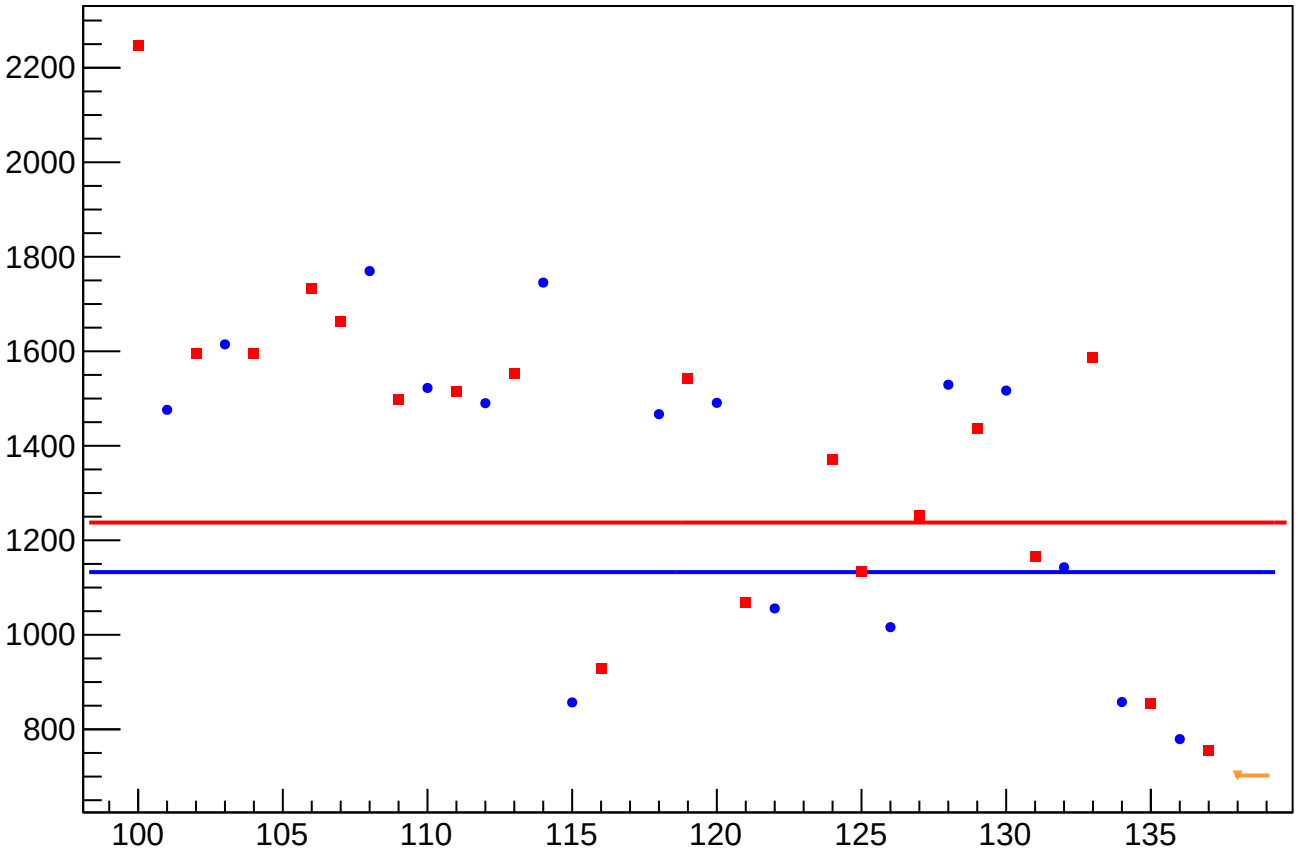
Left: 418.764+/-808.774 χ^2/NDF: 0.0/0

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -929.821+/-440.893 χ^2/NDF:18.5/15

Out: 664.838+/-405.008 χ^2/NDF:13.1/19

All: -64.964+/-298.265 χ^2/NDF: 38.7/35



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 702.221+/-0.572 χ^2/NDF:0.0/0

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

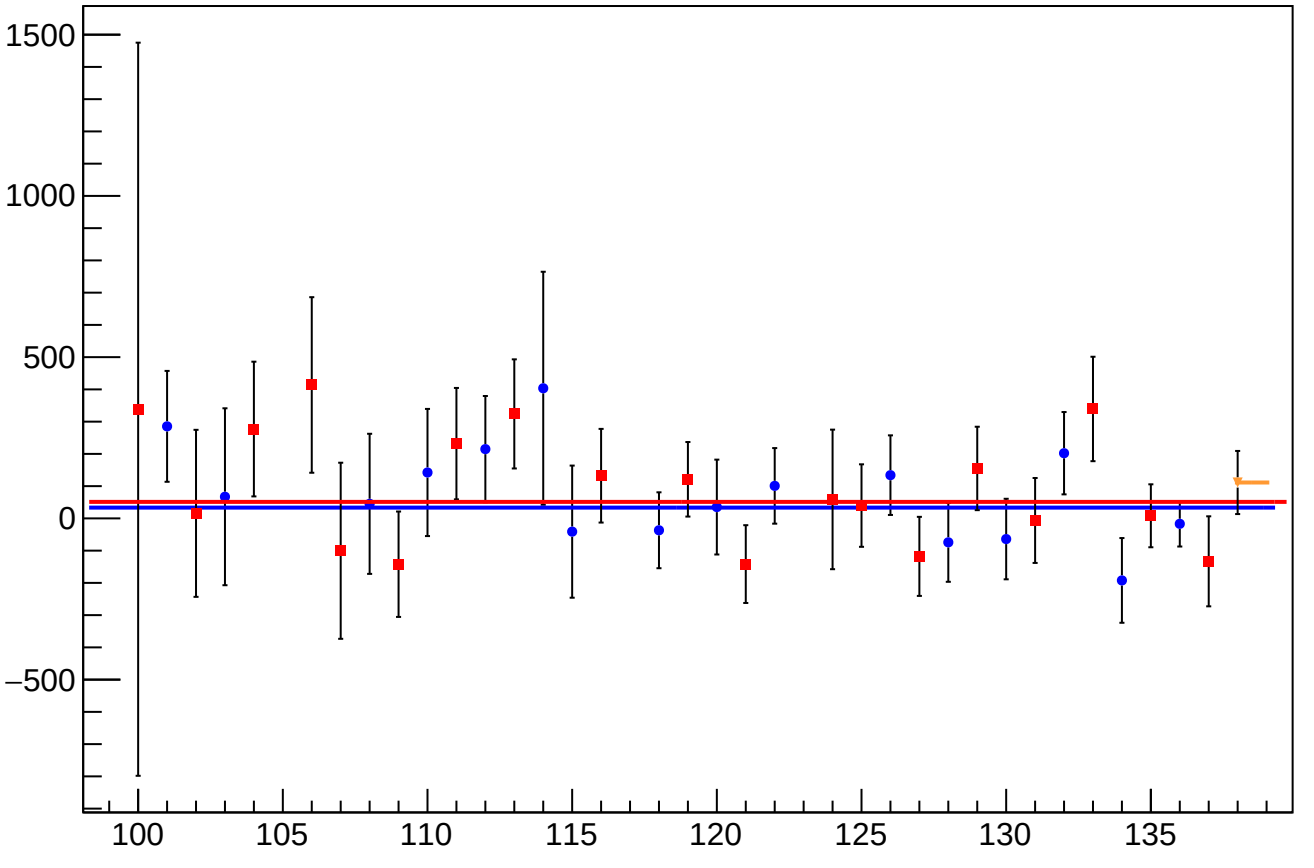
Left: 702.221+/-0.572 χ^2/NDF: 0.0/0

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 1132.688+/-0.312 χ^2/NDF:1124151.1/15

Out: 1103.337+/-0.286 χ^2/NDF:1551913.9/19

All: 1116.770+/-0.211 χ^2/NDF: 2680872.0/35



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 111.284+/-97.865 χ^2/NDF:0.0/0

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

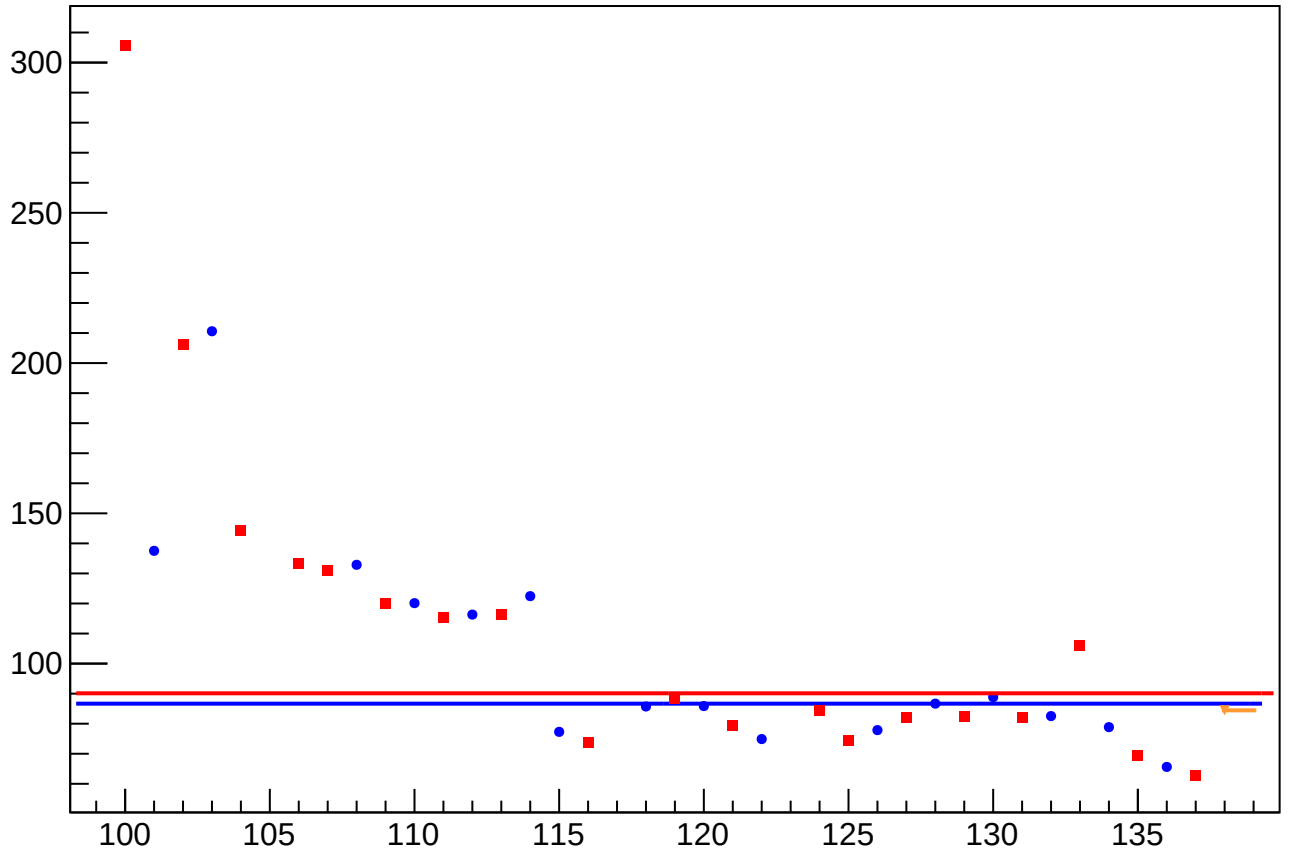
Left: 111.284+/-97.865 χ^2/NDF: 0.0/0

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 33.422+/-33.881 χ^2/NDF:12.8/15

Out: 57.952+/-32.833 χ^2/NDF:19.8/19

All: 46.072+/-23.578 χ^2/NDF: 32.9/35



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 84.448+/-0.069 χ^2/NDF:0.0/0

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

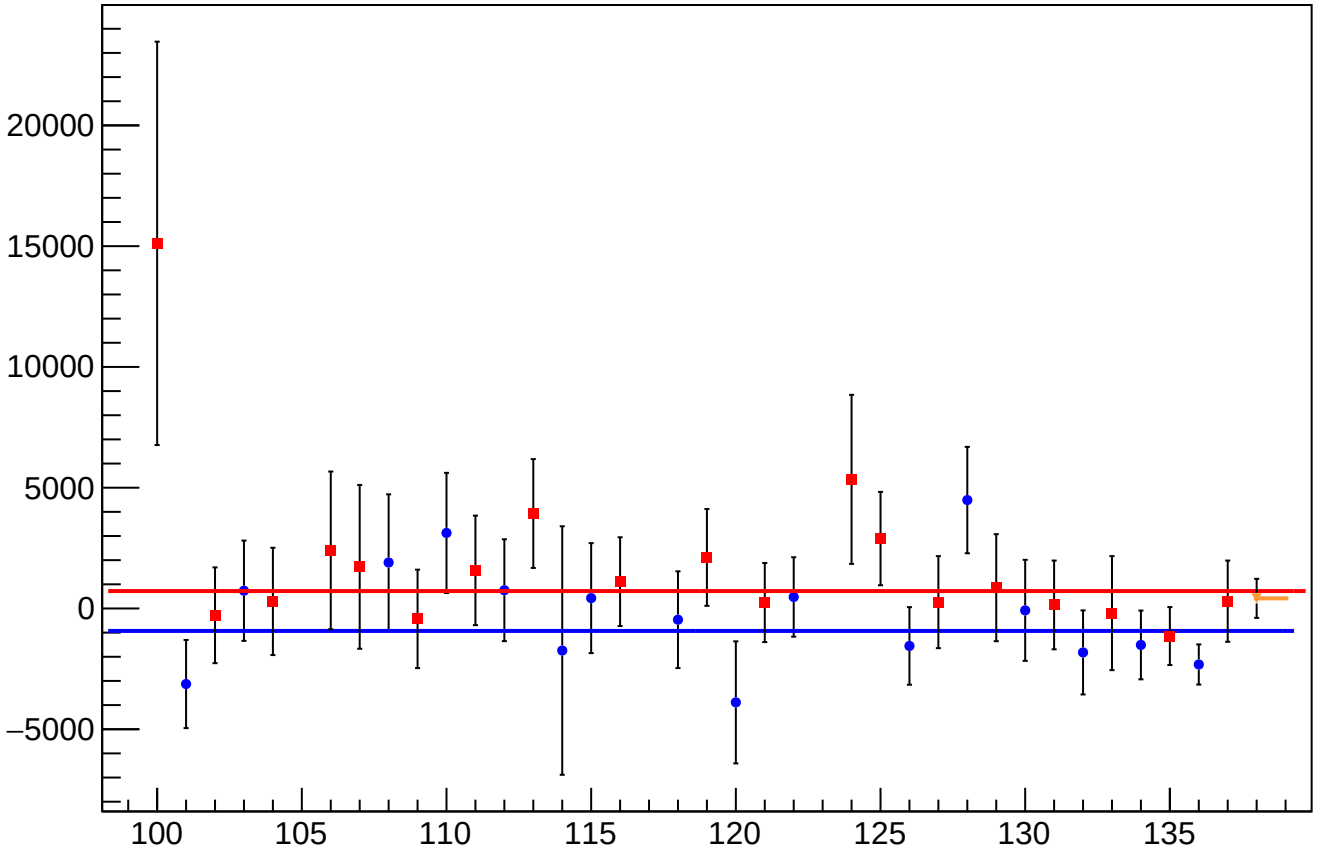
Left: 84.448+/-0.069 χ^2/NDF: 0.0/0

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 86.666+/-0.024 χ^2/NDF:1038816.2/15

Out: 89.478+/-0.023 χ^2/NDF:1151236.4/19

All: 88.116+/-0.017 χ^2/NDF: 2197156.2/35



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: 418.762+/-808.773 χ^2/NDF:0.0/0

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

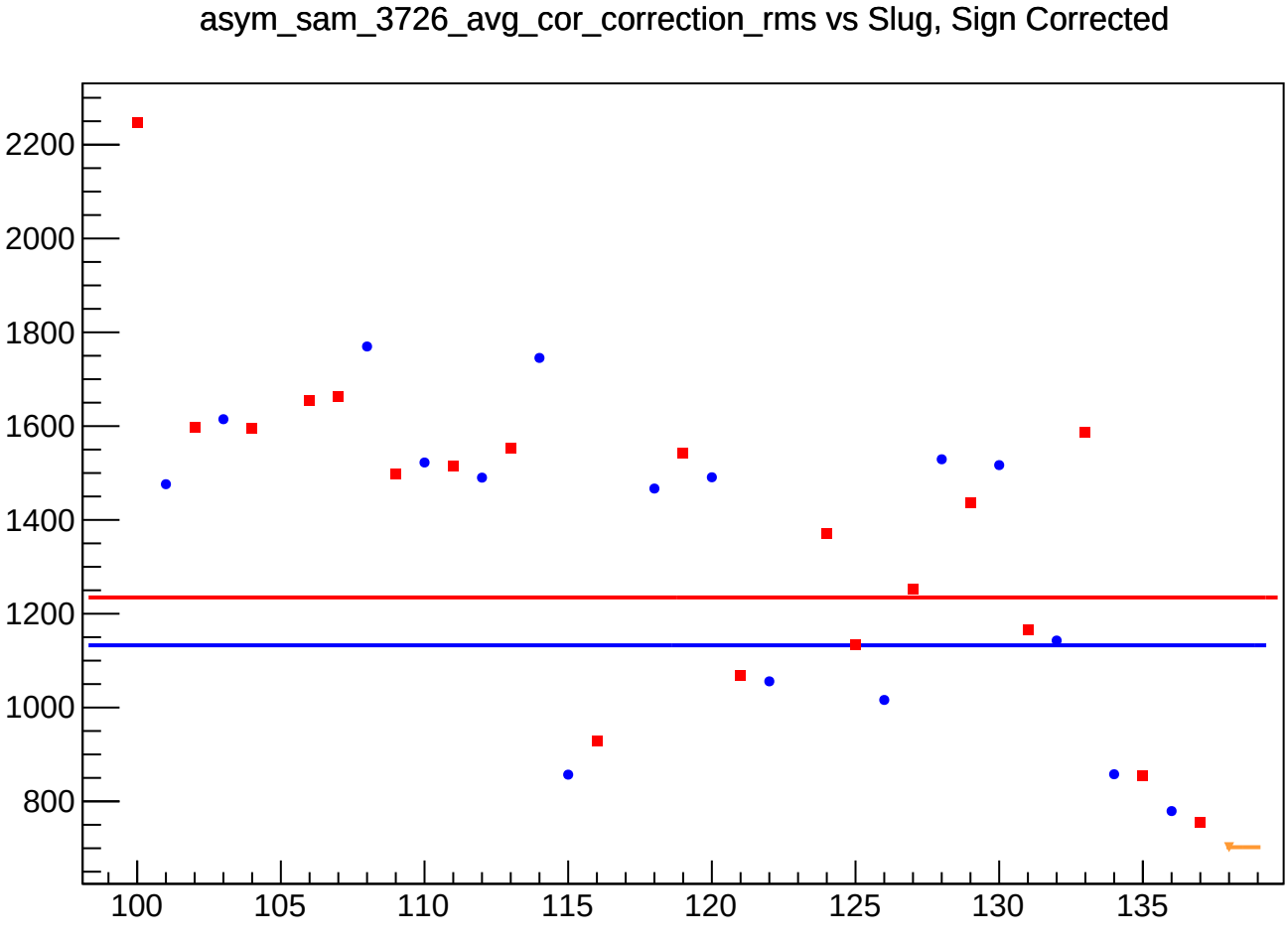
Left: 418.762+/-808.773 χ^2/NDF: 0.0/0

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -929.788+/-440.894 χ^2/NDF:18.5/15

Out: 644.754+/-405.421 χ^2/NDF:12.6/19

All: -76.635+/-298.430 χ^2/NDF: 38.1/35



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 702.220+/-0.572 χ^2/NDF:0.0/0

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

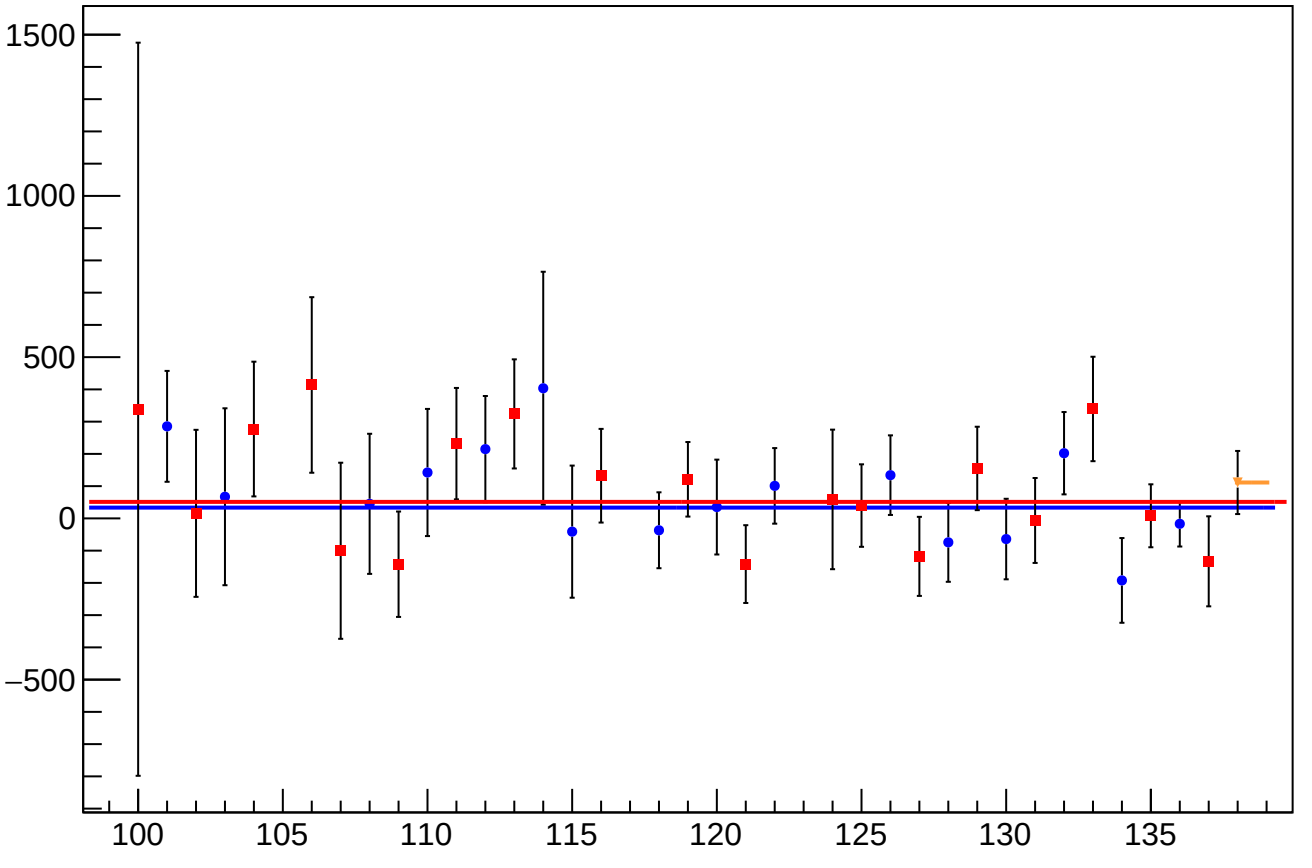
Left: 702.220+/-0.572 χ^2/NDF: 0.0/0

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 1132.689+/-0.312 χ^2/NDF:1124187.2/15

Out: 1100.905+/-0.287 χ^2/NDF:1525379.2/19

All: 1115.467+/-0.211 χ^2/NDF: 2655198.4/35



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 111.284+/-97.865 χ^2/NDF:0.0/0

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

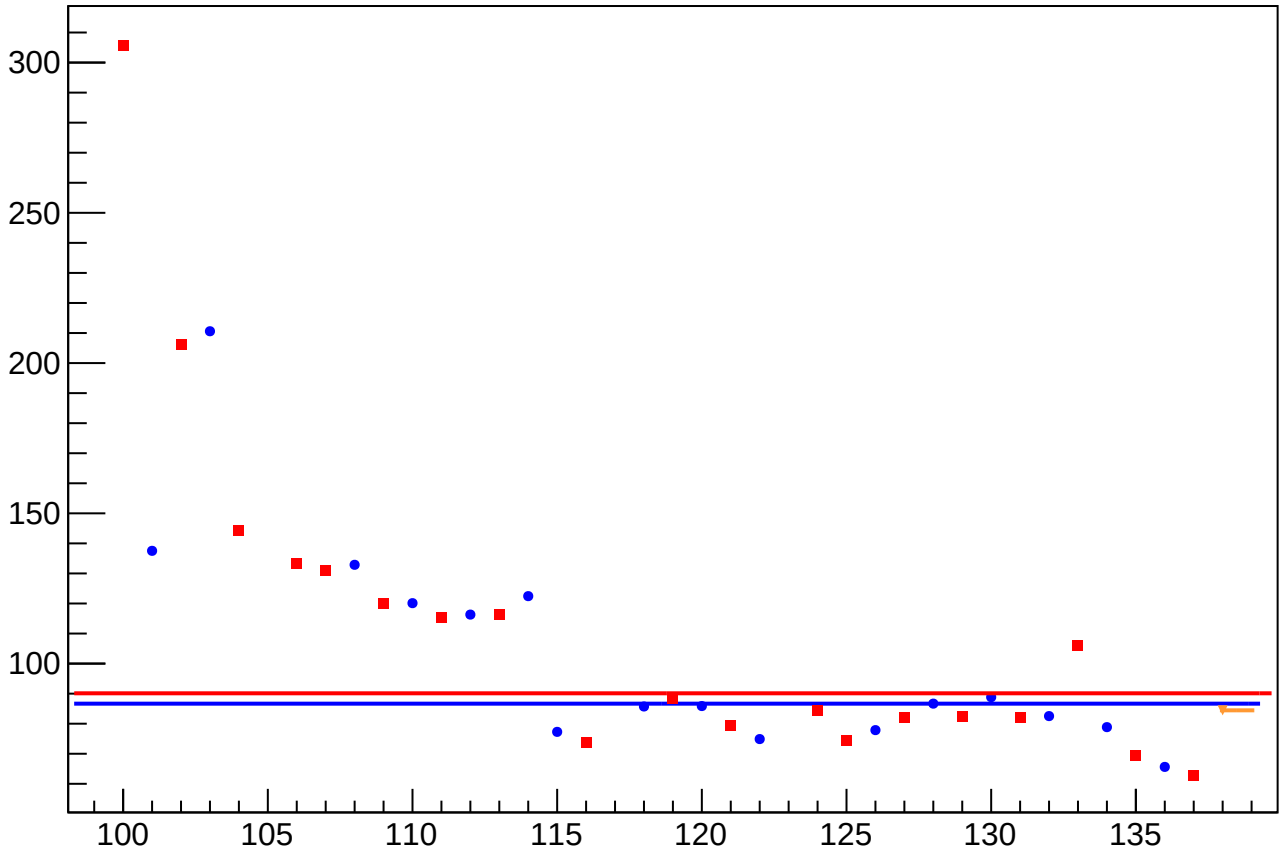
Left: 111.284+/-97.865 χ^2/NDF: 0.0/0

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 33.422+/-33.881 χ^2/NDF:12.8/15

Out: 57.952+/-32.833 χ^2/NDF:19.8/19

All: 46.072+/-23.578 χ^2/NDF: 32.9/35



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 84.448+/-0.069 χ^2/NDF:0.0/0

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 84.448+/-0.069 χ^2/NDF: 0.0/0

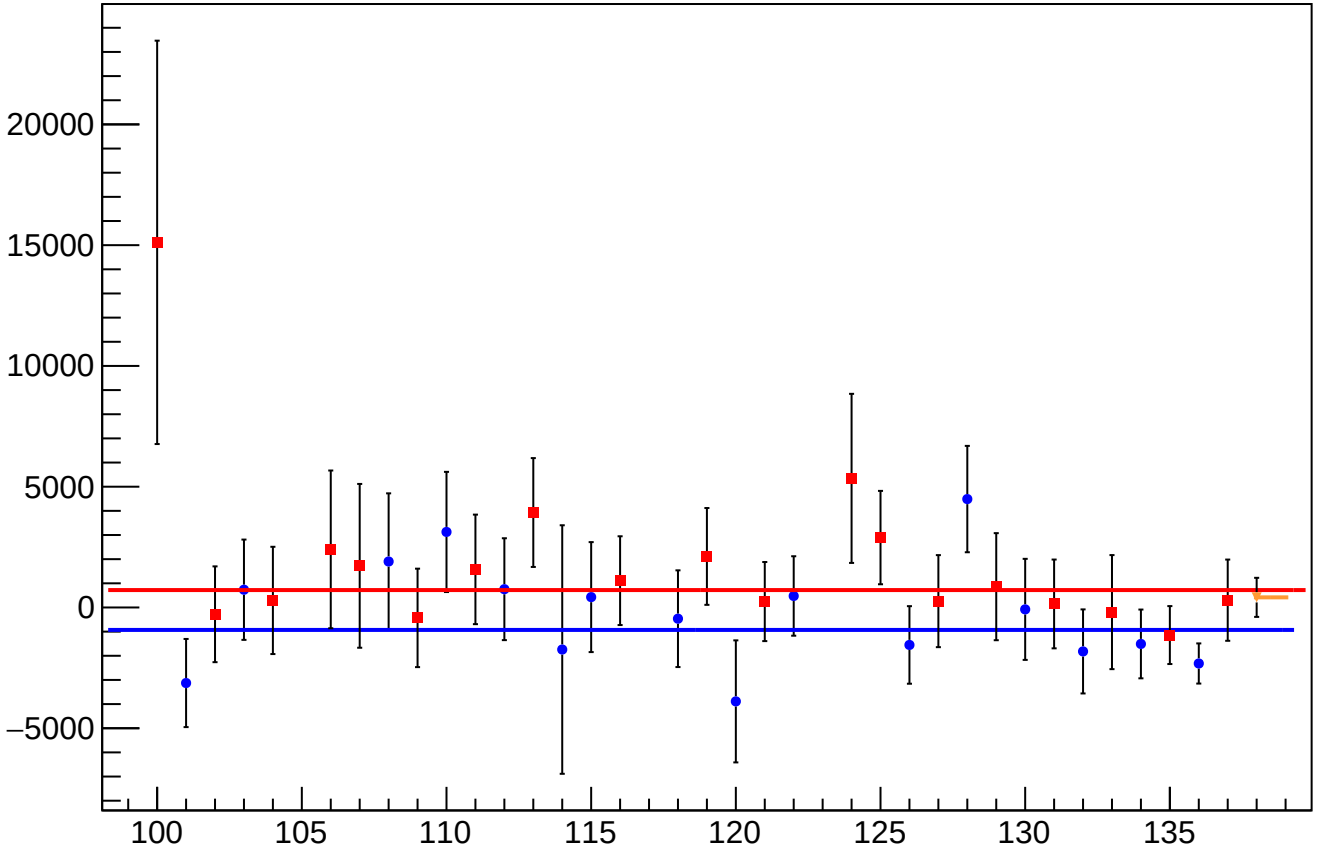
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 86.666+/-0.024 χ^2/NDF:1038816.2/15

Out: 89.478+/-0.023 χ^2/NDF:1151236.4/19

All: 88.116+/-0.017 χ^2/NDF: 2197156.2/35

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: 418.762+/-808.773 χ^2/NDF:0.0/0

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

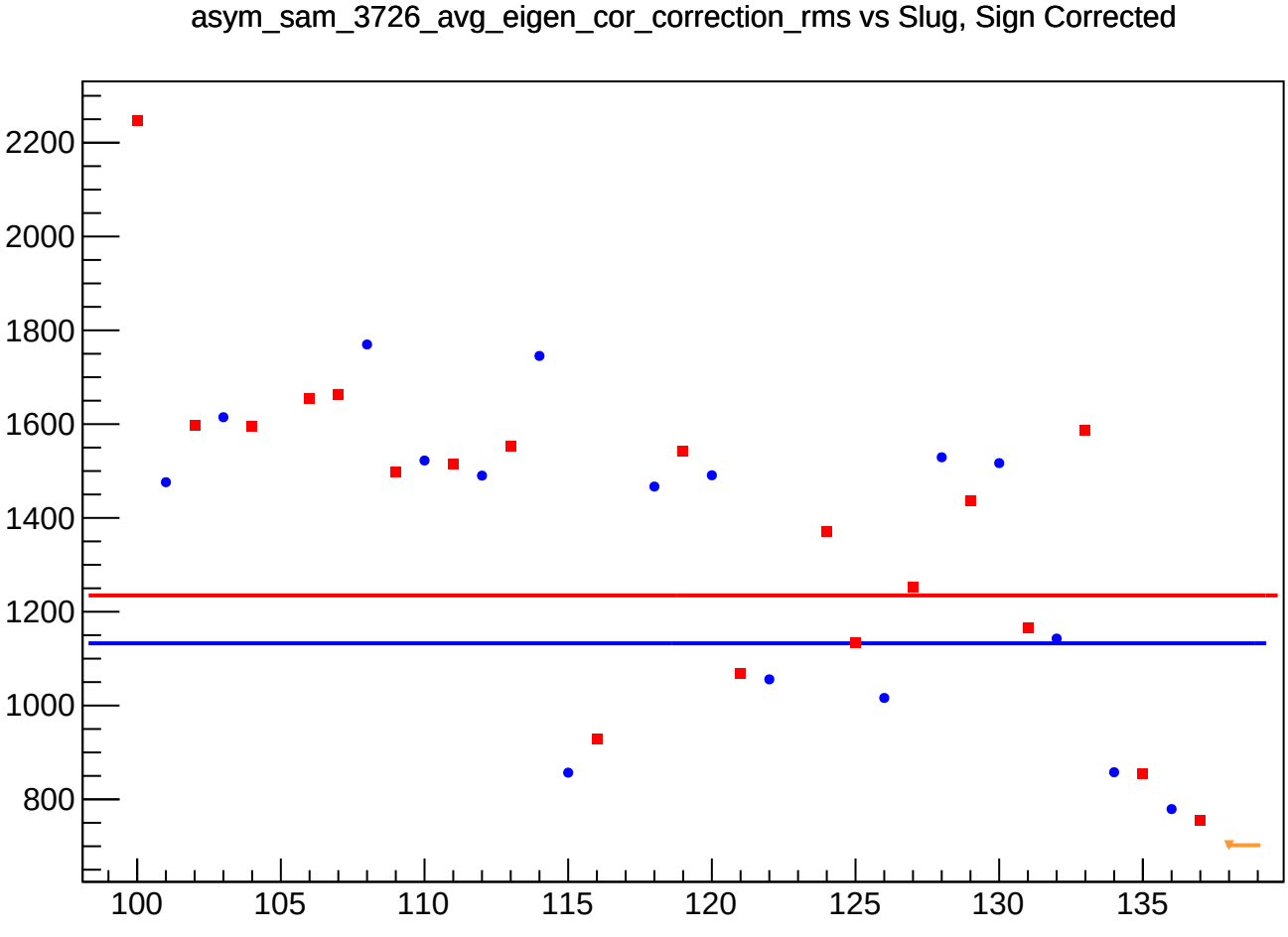
Left: 418.762+/-808.773 χ^2/NDF: 0.0/0

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -929.788+/-440.894 χ^2/NDF:18.5/15

Out: 644.754+/-405.421 χ^2/NDF:12.6/19

All: -76.635+/-298.430 χ^2/NDF: 38.1/35



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 702.220+/-0.572 χ^2/NDF:0.0/0

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

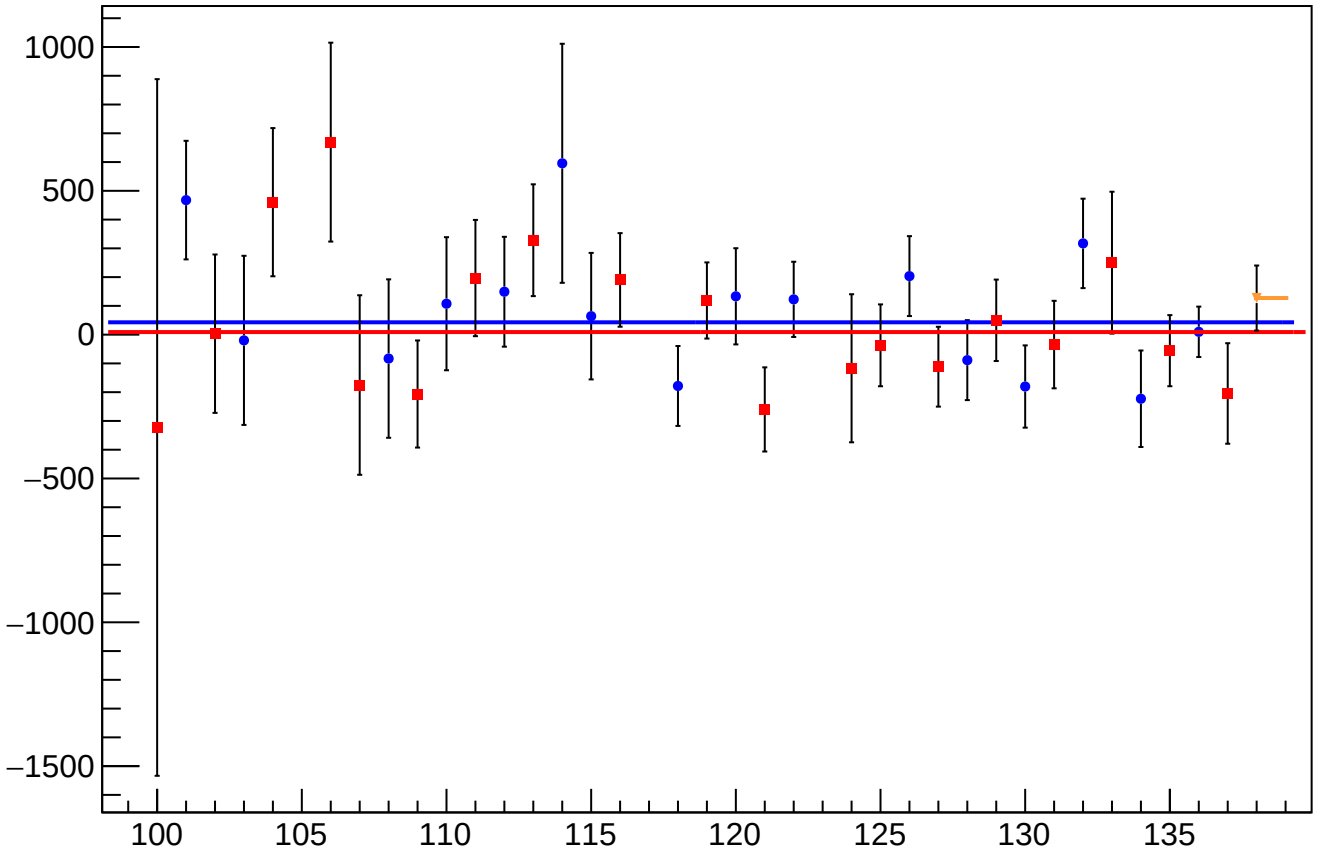
Left: 702.220+/-0.572 χ^2/NDF: 0.0/0

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 1132.689+/-0.312 χ^2/NDF:1124187.2/15

Out: 1100.905+/-0.287 χ^2/NDF:1525379.2/19

All: 1115.467+/-0.211 χ^2/NDF: 2655198.4/35



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 127.341+/-112.984 χ^2/NDF:0.0/0

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

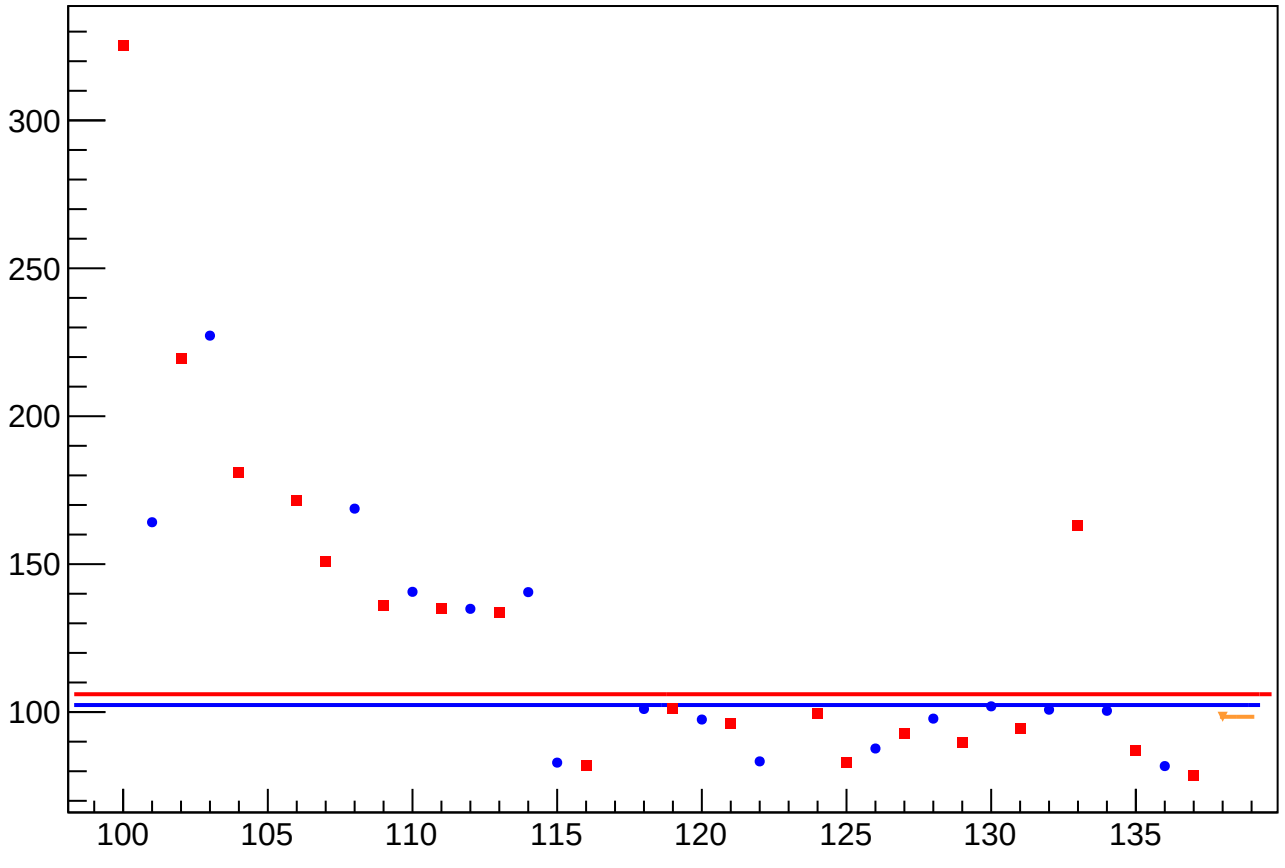
Left: 127.341+/-112.984 χ^2/NDF: 0.0/0

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 42.914+/-39.948 χ^2/NDF:20.3/15

Out: 22.796+/-38.590 χ^2/NDF:22.3/19

All: 32.507+/-27.755 χ^2/NDF: 42.7/35



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 98.406+/-0.080 χ^2/NDF:0.0/0

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 98.406+/-0.080 χ^2/NDF: 0.0/0

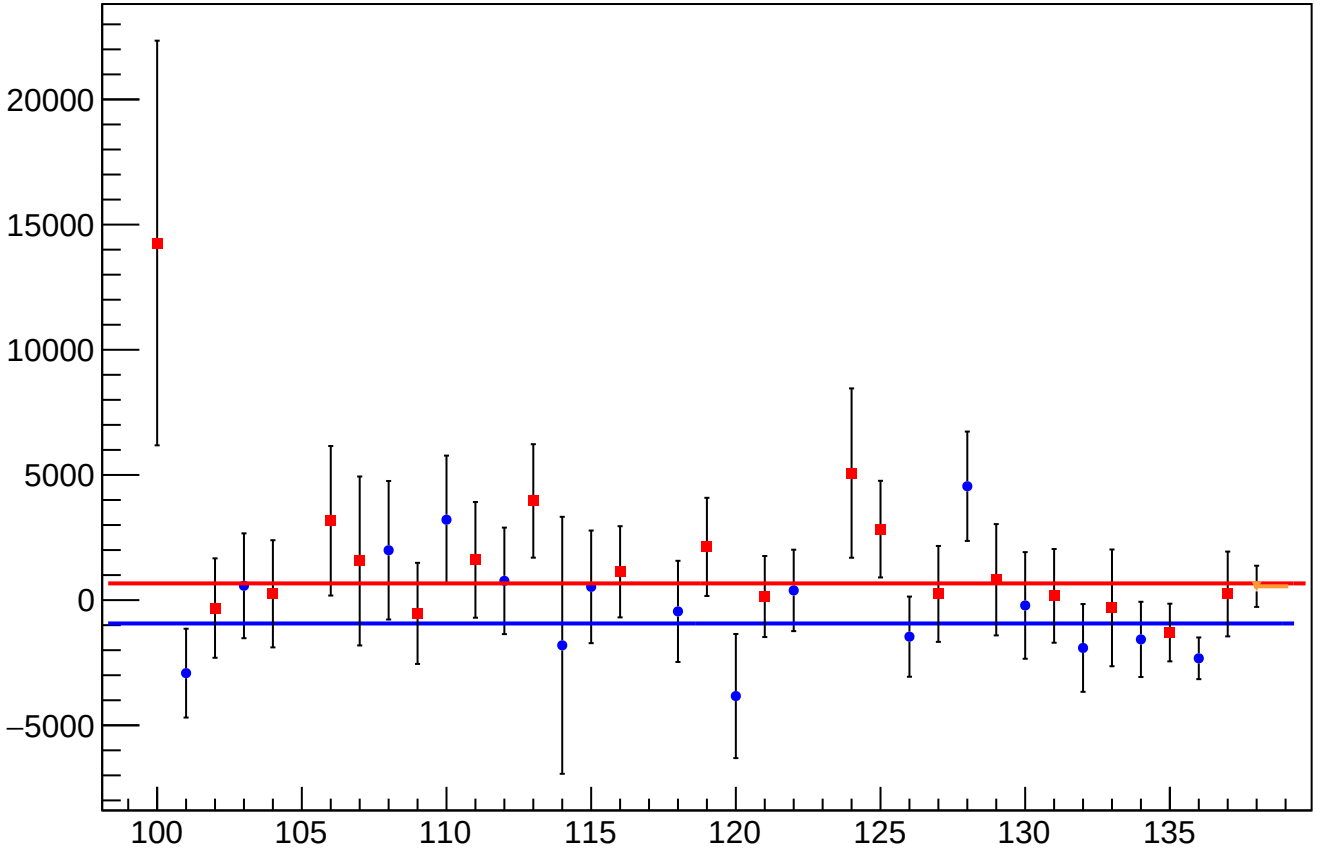
Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 102.378+/-0.028 χ^2/NDF:982311.5/15

Out: 105.143+/-0.027 χ^2/NDF:1199343.0/19

All: 103.808+/-0.020 χ^2/NDF: 2186608.5/35

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: 551.852+/-822.480 χ^2/NDF:0.0/0

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

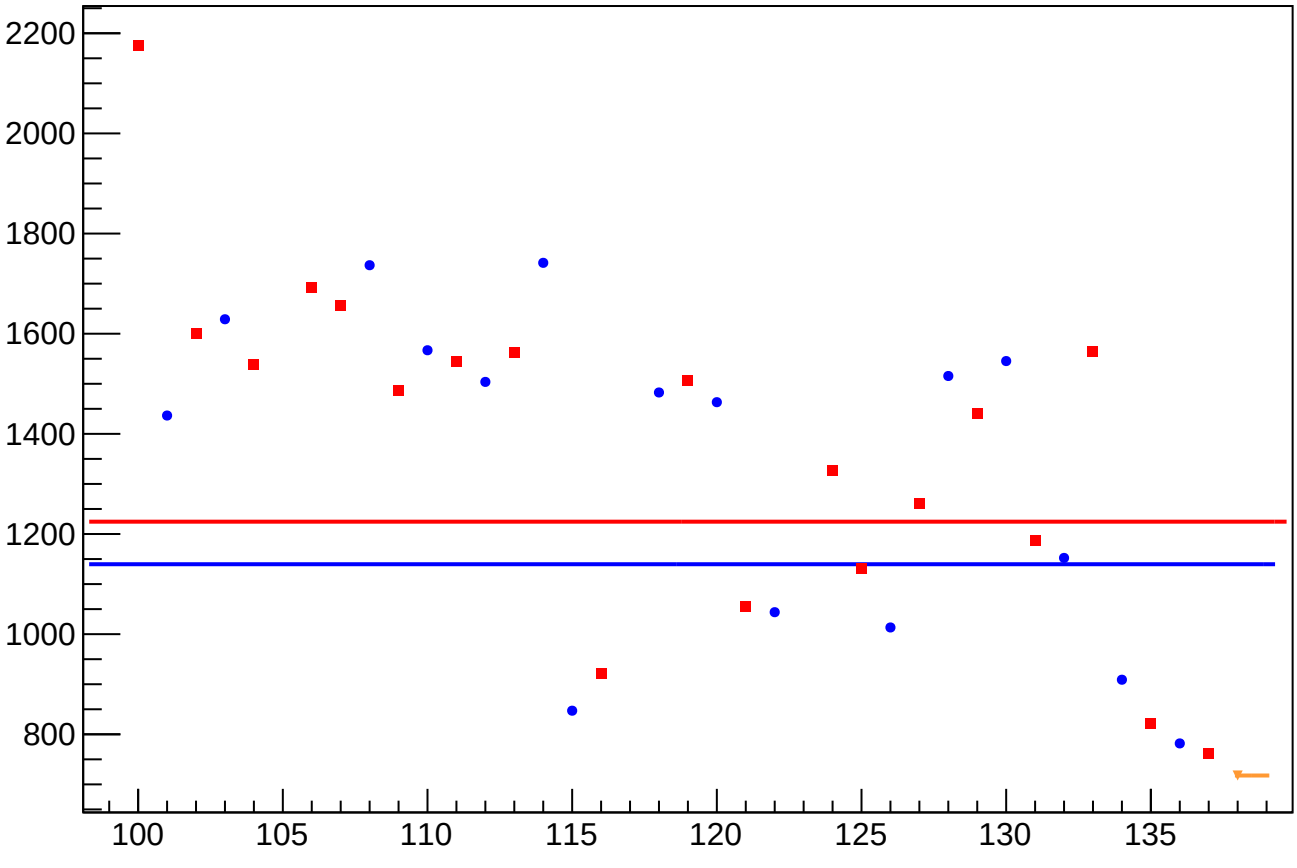
Left: 551.852+/-822.480 χ^2/NDF: 0.0/0

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -932.381+/-442.724 χ^2/NDF:18.5/15

Out: 640.427+/-403.606 χ^2/NDF:13.5/19

All: -73.435+/-298.265 χ^2/NDF: 38.9/35



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 717.729+/-0.582 χ^2/NDF:0.0/0

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

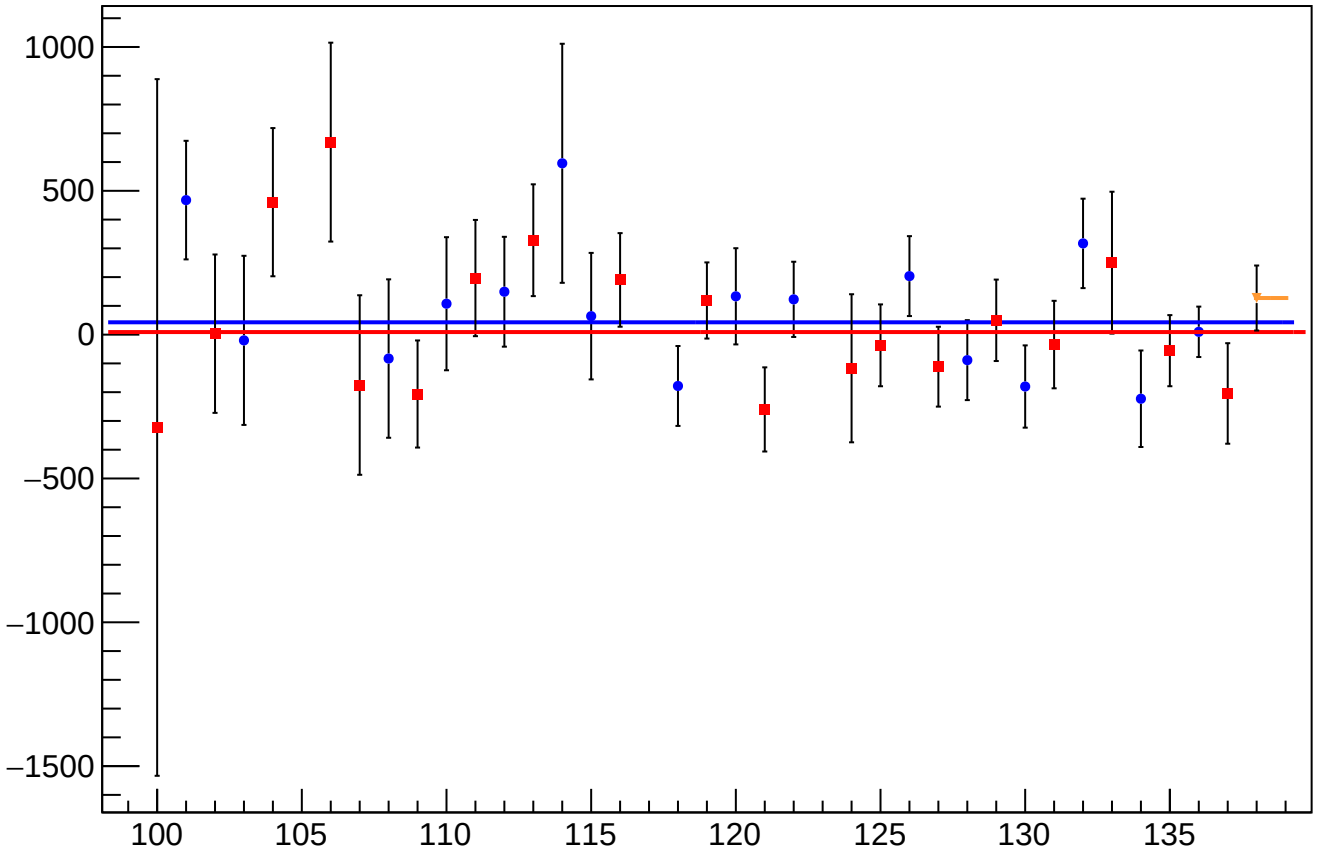
Left: 717.729+/-0.582 χ^2/NDF: 0.0/0

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 1139.658+/-0.313 χ^2/NDF:1093410.3/15

Out: 1102.571+/-0.285 χ^2/NDF:1499143.9/19

All: 1119.404+/-0.211 χ^2/NDF: 2600218.7/35



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 127.336+/-112.984 χ^2/NDF:0.0/0

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

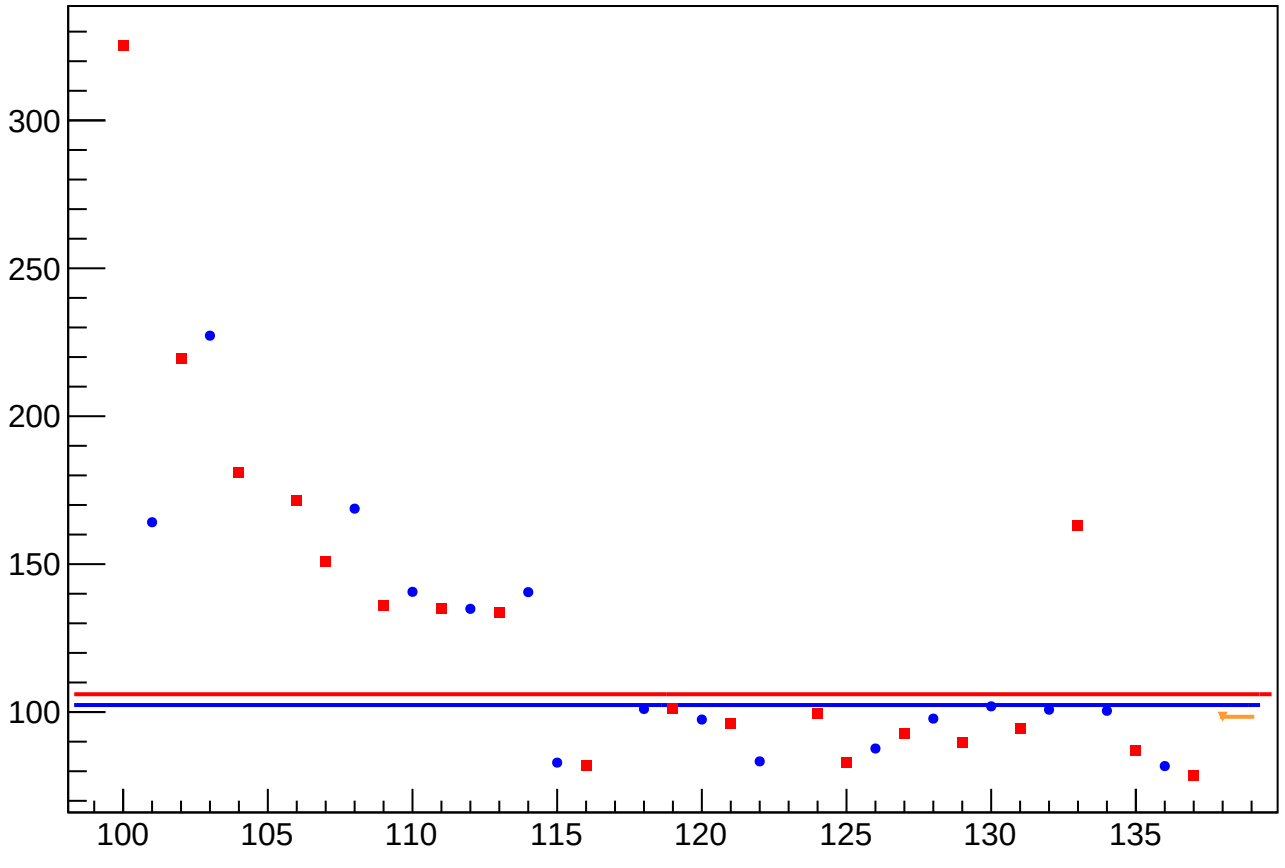
Left: 127.336+/-112.984 χ^2/NDF: 0.0/0

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 42.914+/-39.948 χ^2/NDF:20.3/15

Out: 22.793+/-38.590 χ^2/NDF:22.3/19

All: 32.506+/-27.755 χ^2/NDF: 42.7/35



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 98.406+/-0.080 χ^2/NDF:0.0/0

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

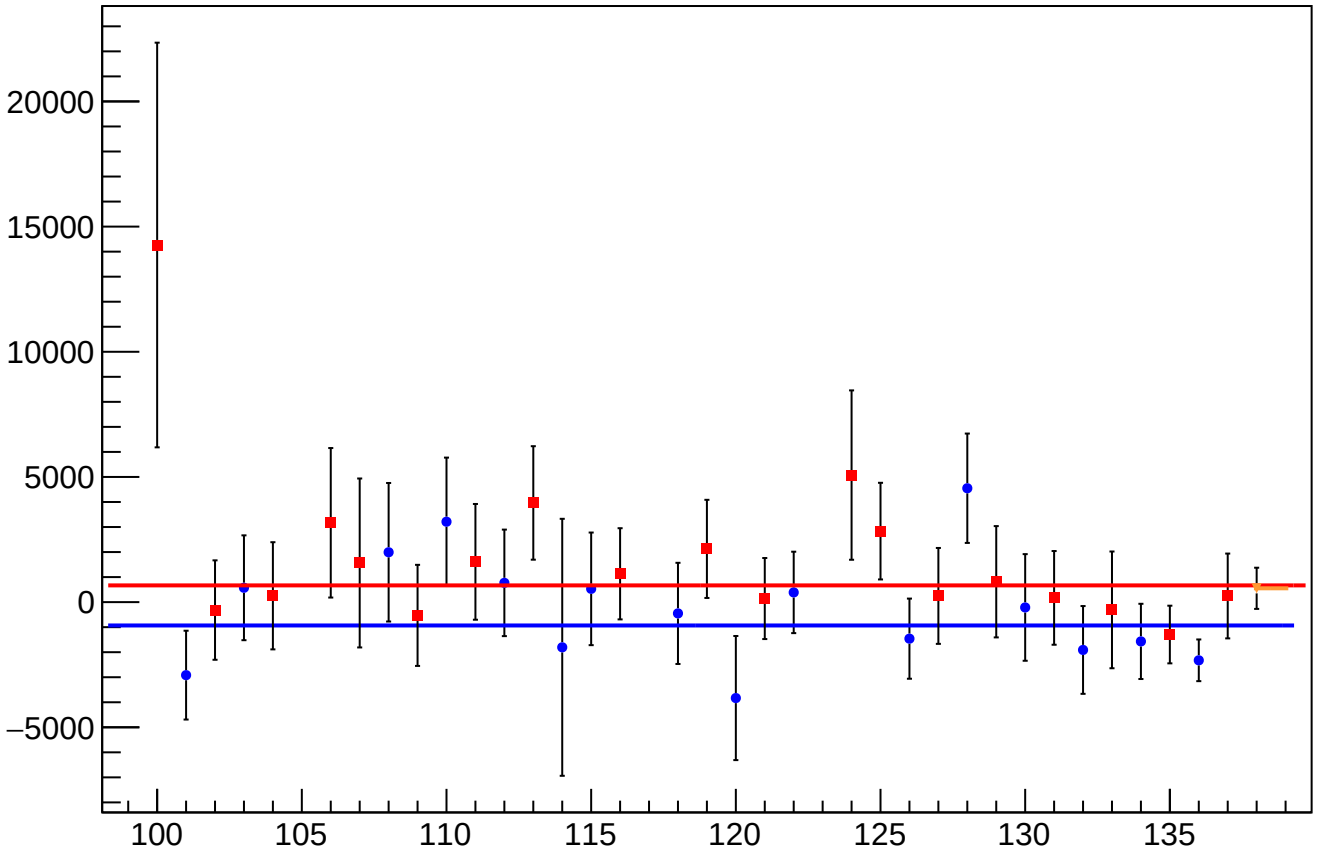
Left: 98.406+/-0.080 χ^2/NDF: 0.0/0

Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 102.378+/-0.028 χ^2/NDF:982307.0/15

Out: 105.143+/-0.027 χ^2/NDF:1199346.3/19

All: 103.808+/-0.020 χ^2/NDF: 2186607.7/35



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: 551.847+/-822.478 χ^2/NDF:0.0/0

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 551.847+/-822.478 χ^2/NDF: 0.0/0

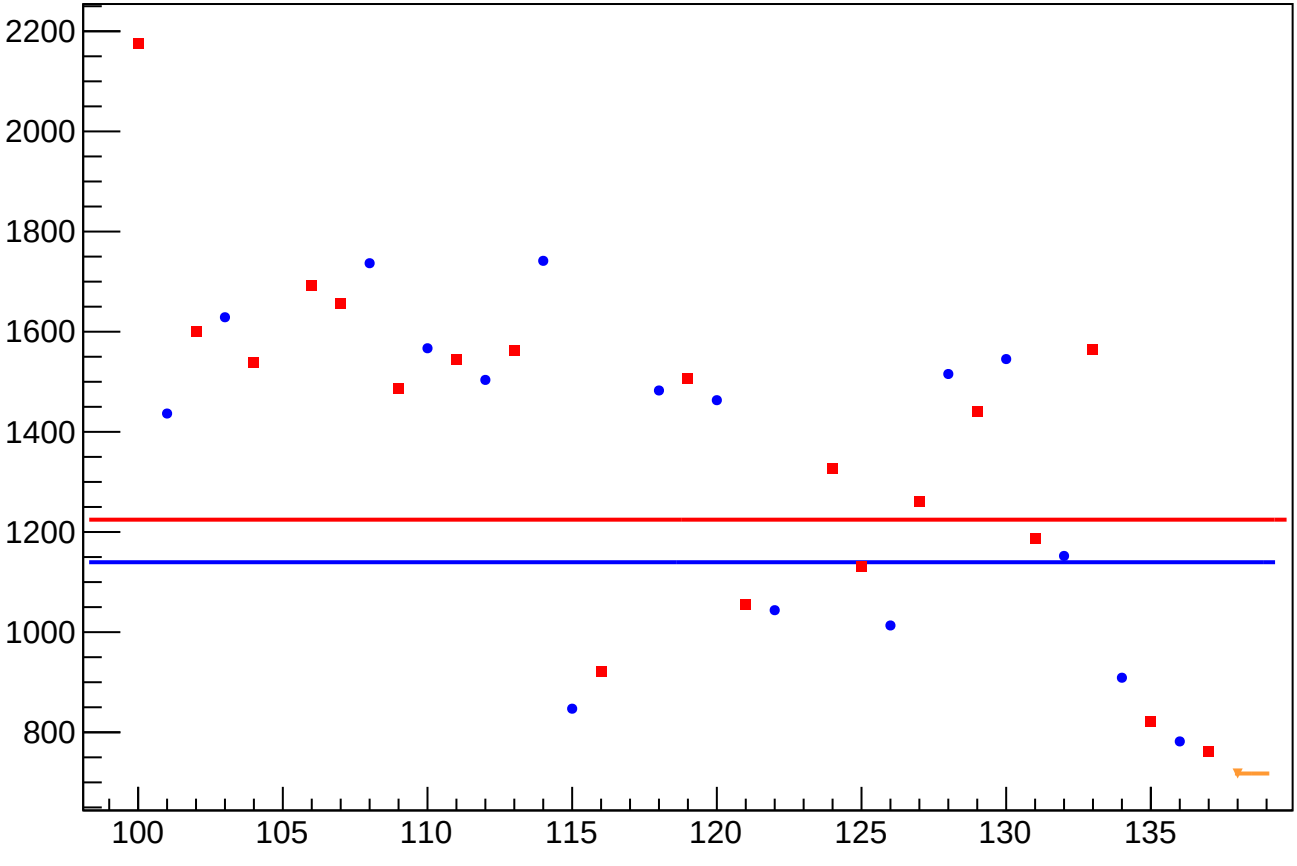
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -932.377+/-442.724 χ^2/NDF:18.5/15

Out: 640.426+/-403.605 χ^2/NDF:13.5/19

All: -73.433+/-298.265 χ^2/NDF: 38.9/35

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 717.727+/-0.582 χ^2/NDF:0.0/0

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

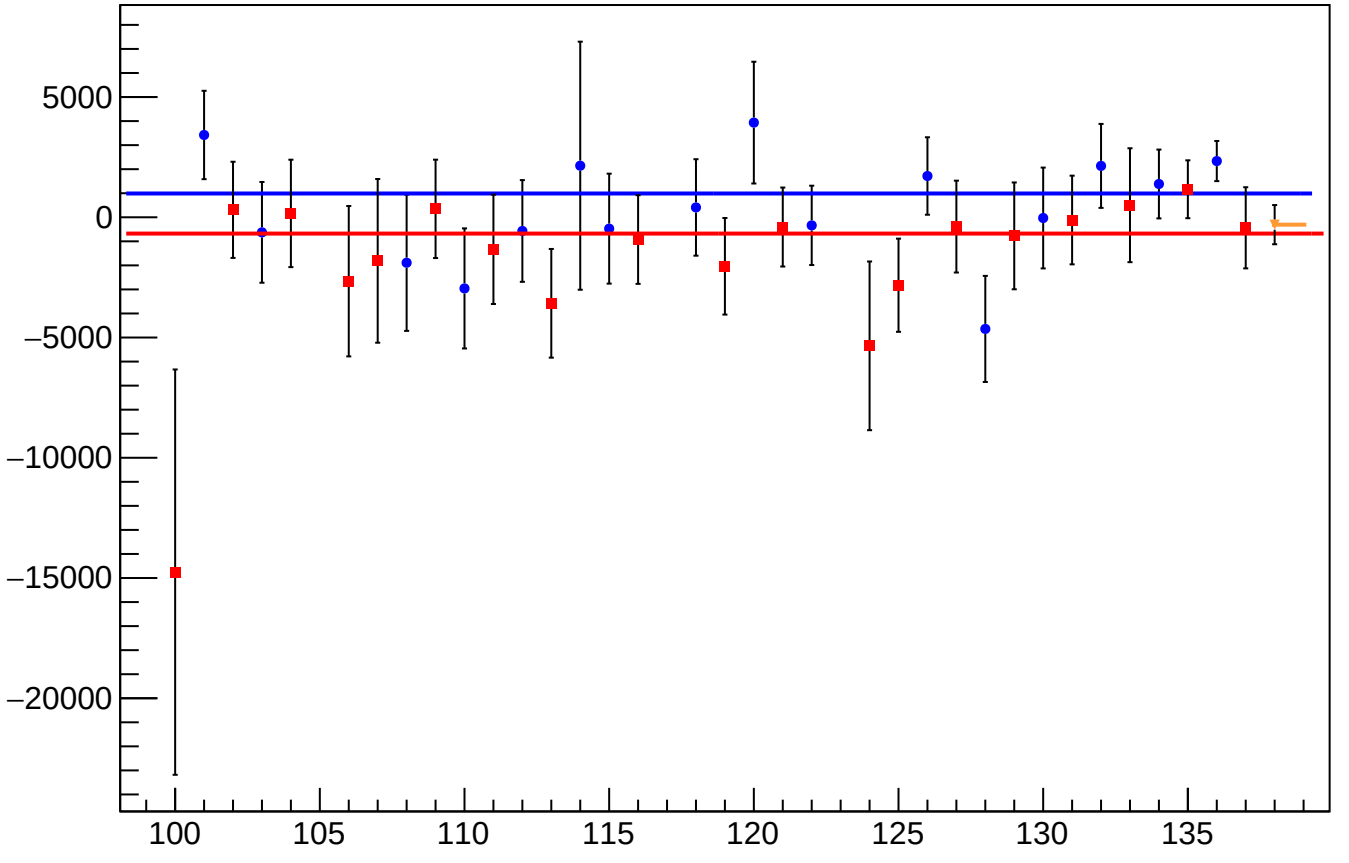
Left: 717.727+/-0.582 χ^2/NDF: 0.0/0

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 1139.656+/-0.313 χ^2/NDF:1093397.5/15

Out: 1102.570+/-0.285 χ^2/NDF:1499135.7/19

All: 1119.402+/-0.211 χ^2/NDF: 2600197.8/35



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: -306.514+/-814.763 χ^2/NDF:0.0/0

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -306.514+/-814.763 χ^2/NDF: 0.0/0

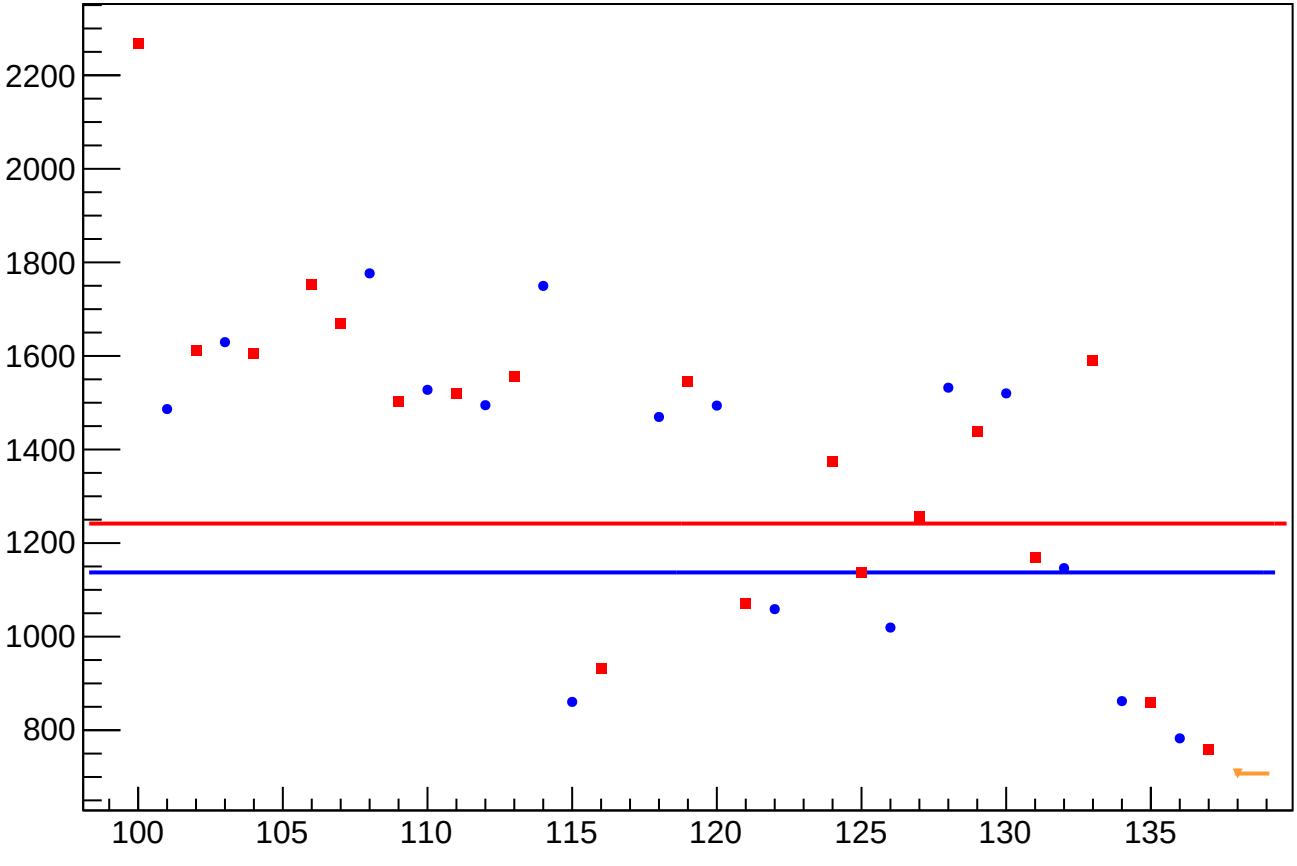
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 989.322+/-442.634 χ^2/NDF:19.0/15

Out: -585.072+/-406.893 χ^2/NDF:12.1/19

All: 136.004+/-299.557 χ^2/NDF: 38.0/35

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 707.375+/-0.576 χ^2/NDF:0.0/0

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

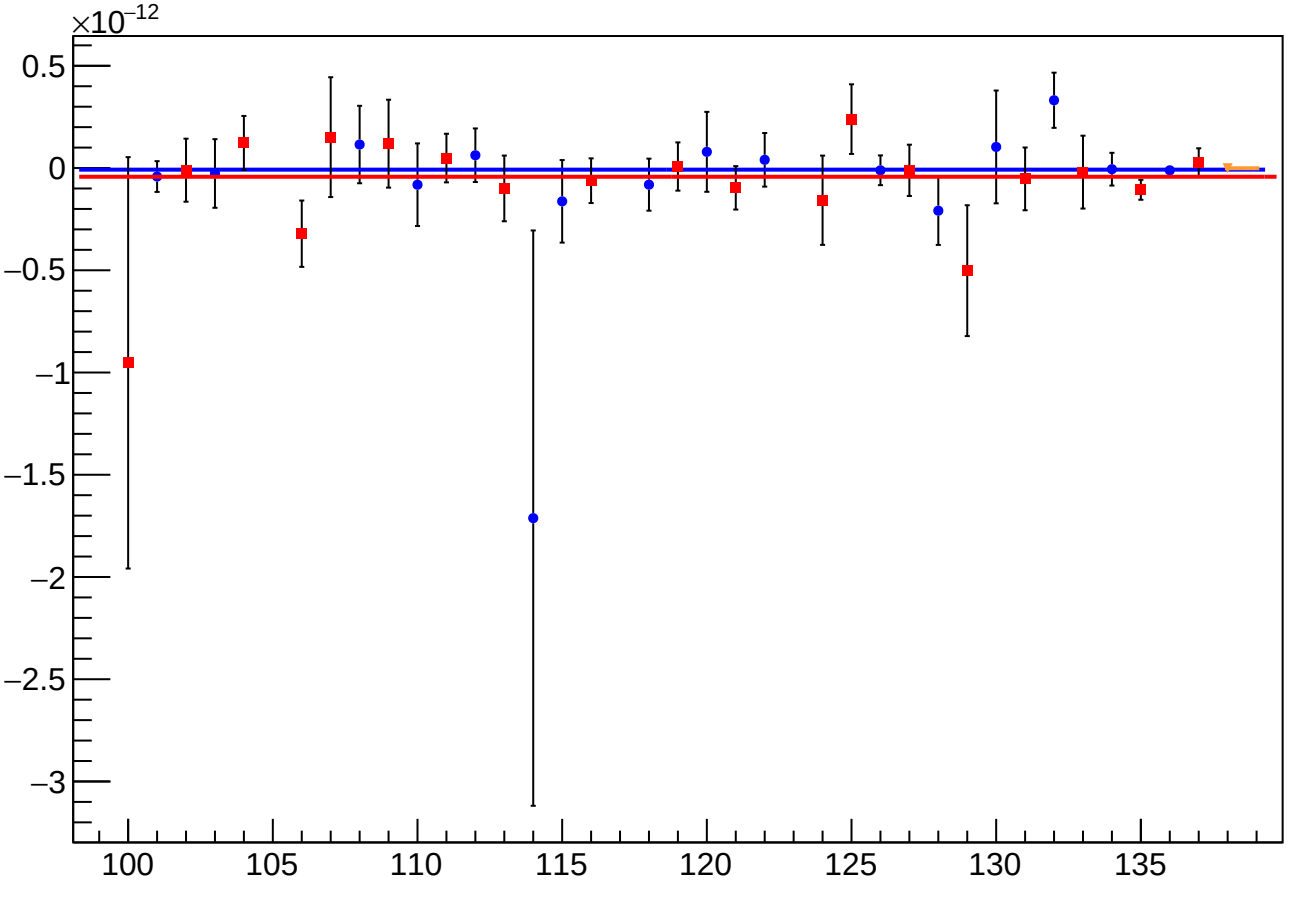
Left: 707.375+/-0.576 χ^2/NDF: 0.0/0

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 1137.220+/-0.313 χ^2/NDF:1123685.6/15

Out: 1108.446+/-0.288 χ^2/NDF:1545073.7/19

All: 1121.624+/-0.212 χ^2/NDF: 2673340.1/35



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

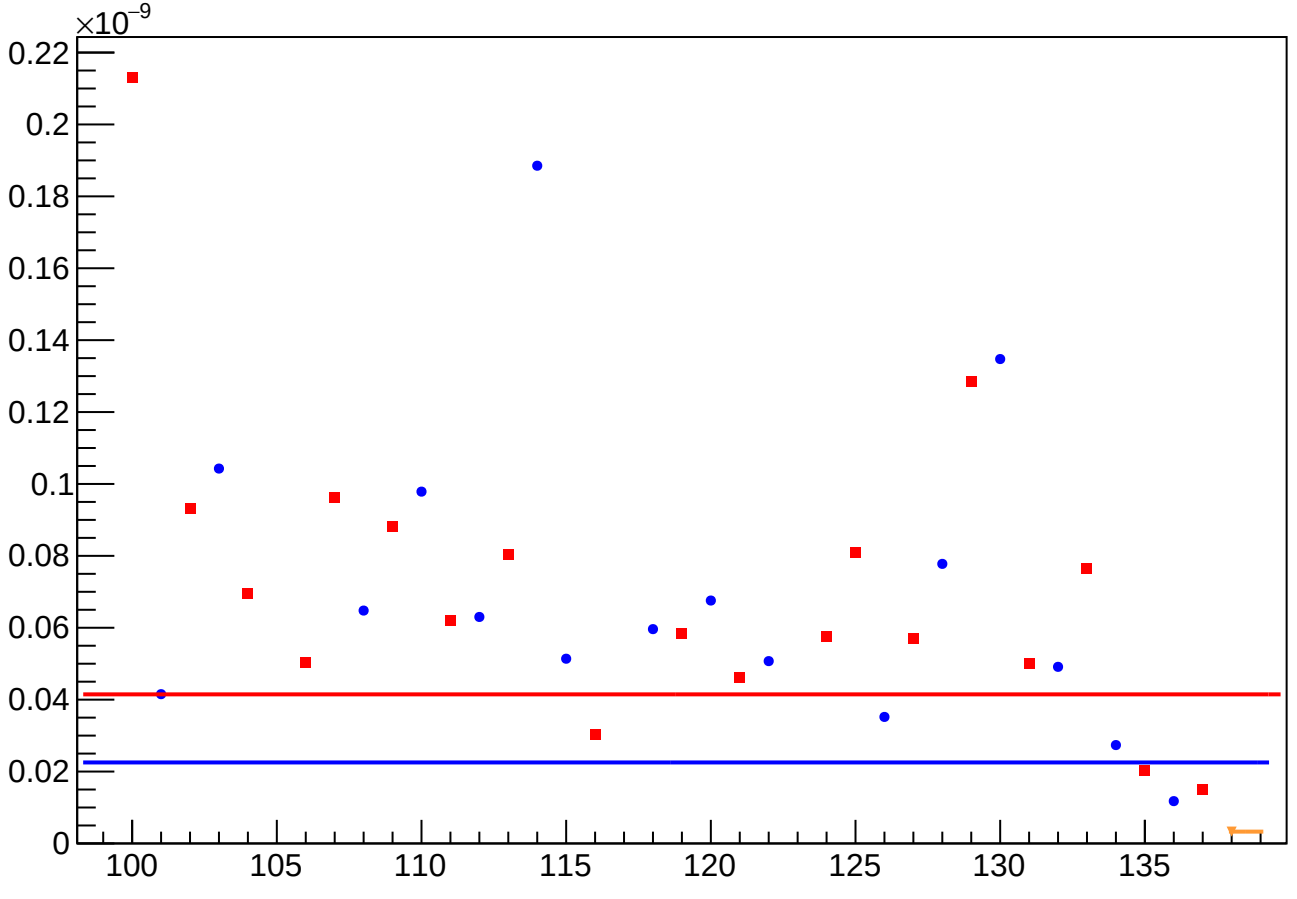
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:11.7/15

Out: -0.000+/-0.000 χ^2/NDF:17.6/19

All: -0.000+/-0.000 χ^2/NDF: 29.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

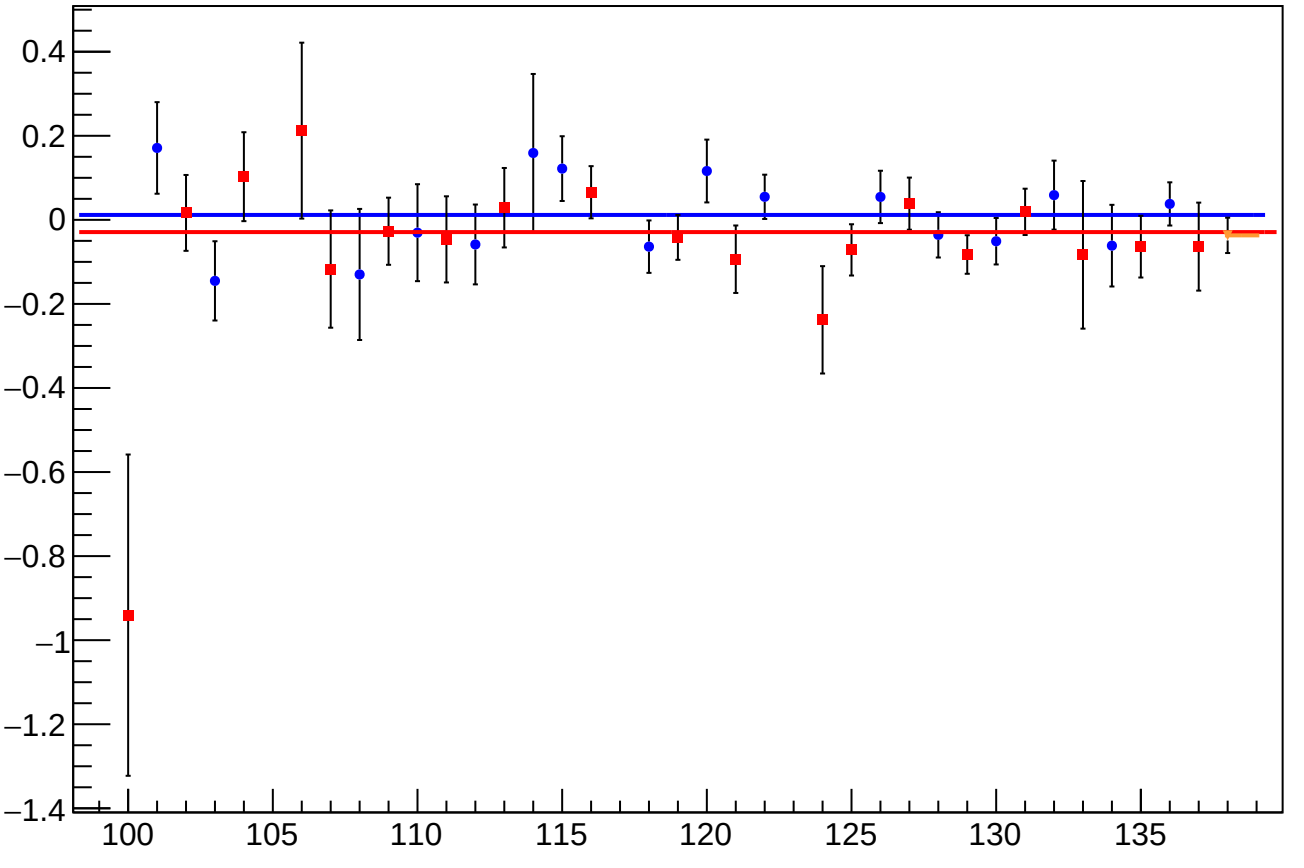
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:2852766.6/15

Out: 0.000+/-0.000 χ^2/NDF:5366582.7/19

All: 0.000+/-0.000 χ^2/NDF: 9358430.9/35



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.037+/-0.042 χ^2/NDF:0.0/0

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

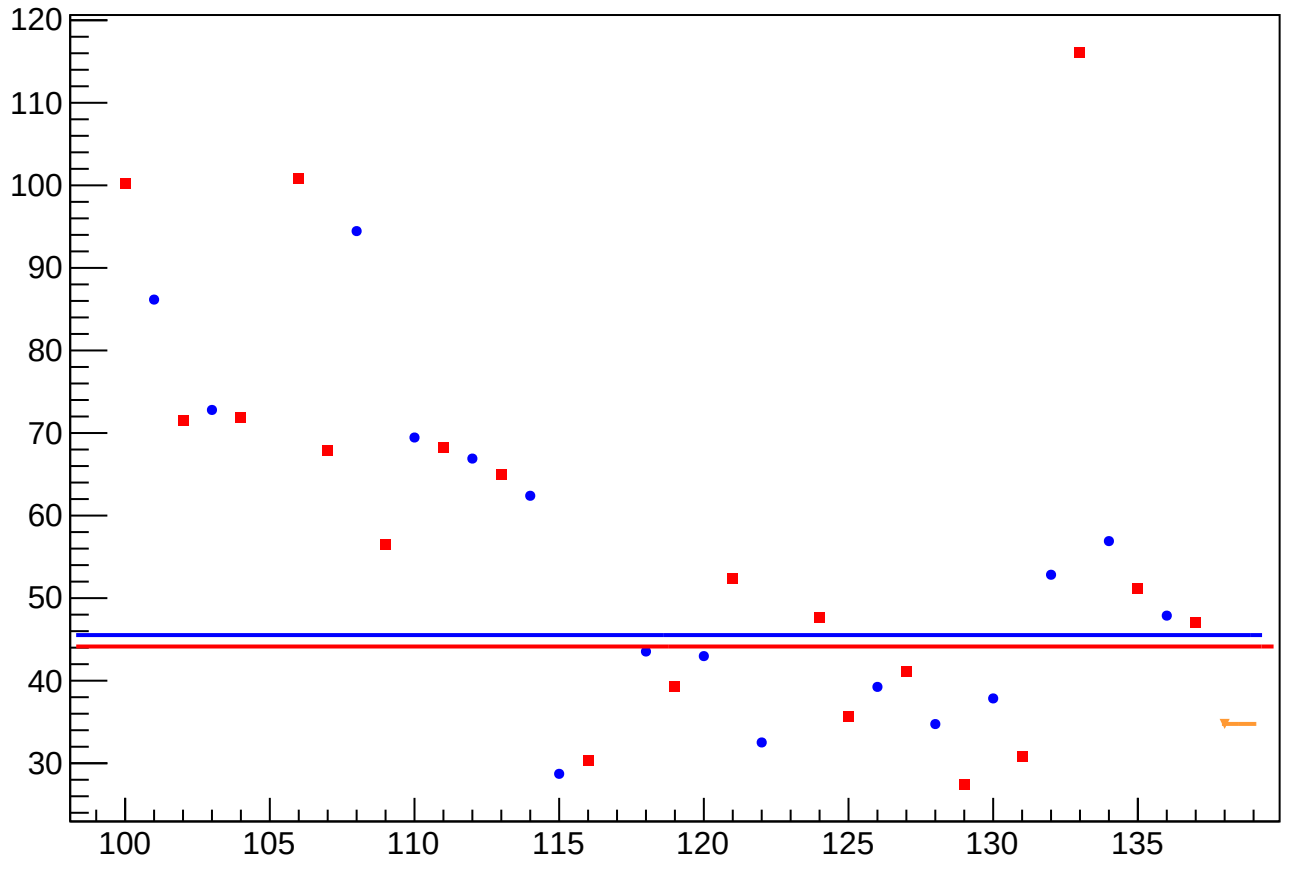
Left: -0.037+/-0.042 χ^2/NDF: 0.0/0

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.012+/-0.018 χ^2/NDF:16.9/15

Out: -0.030+/-0.016 χ^2/NDF:19.6/19

All: -0.012+/-0.012 χ^2/NDF: 39.3/35



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 34.763+/-0.030 χ^2/NDF:0.0/0

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

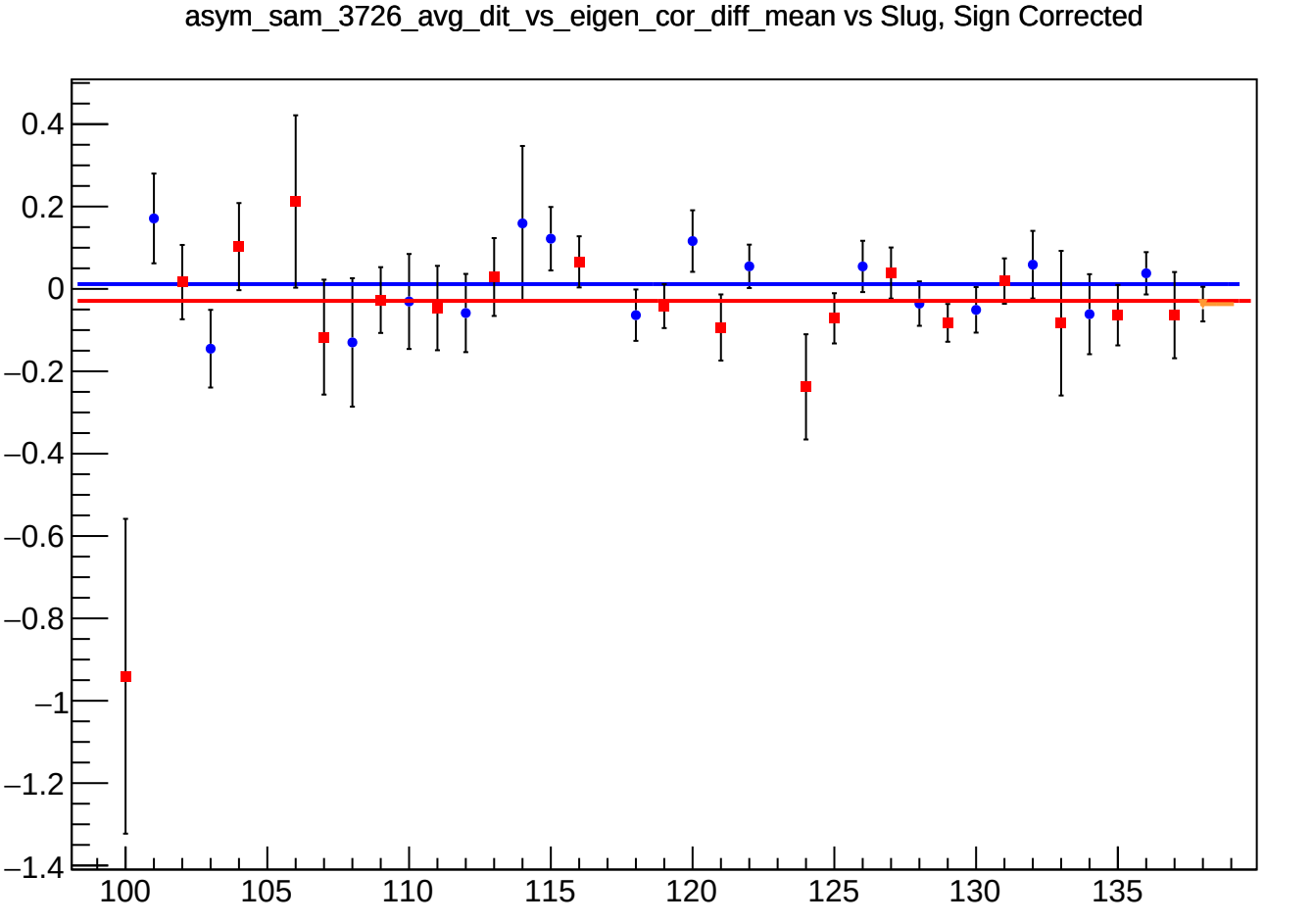
Left: 34.763+/-0.030 χ^2/NDF: 0.0/0

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

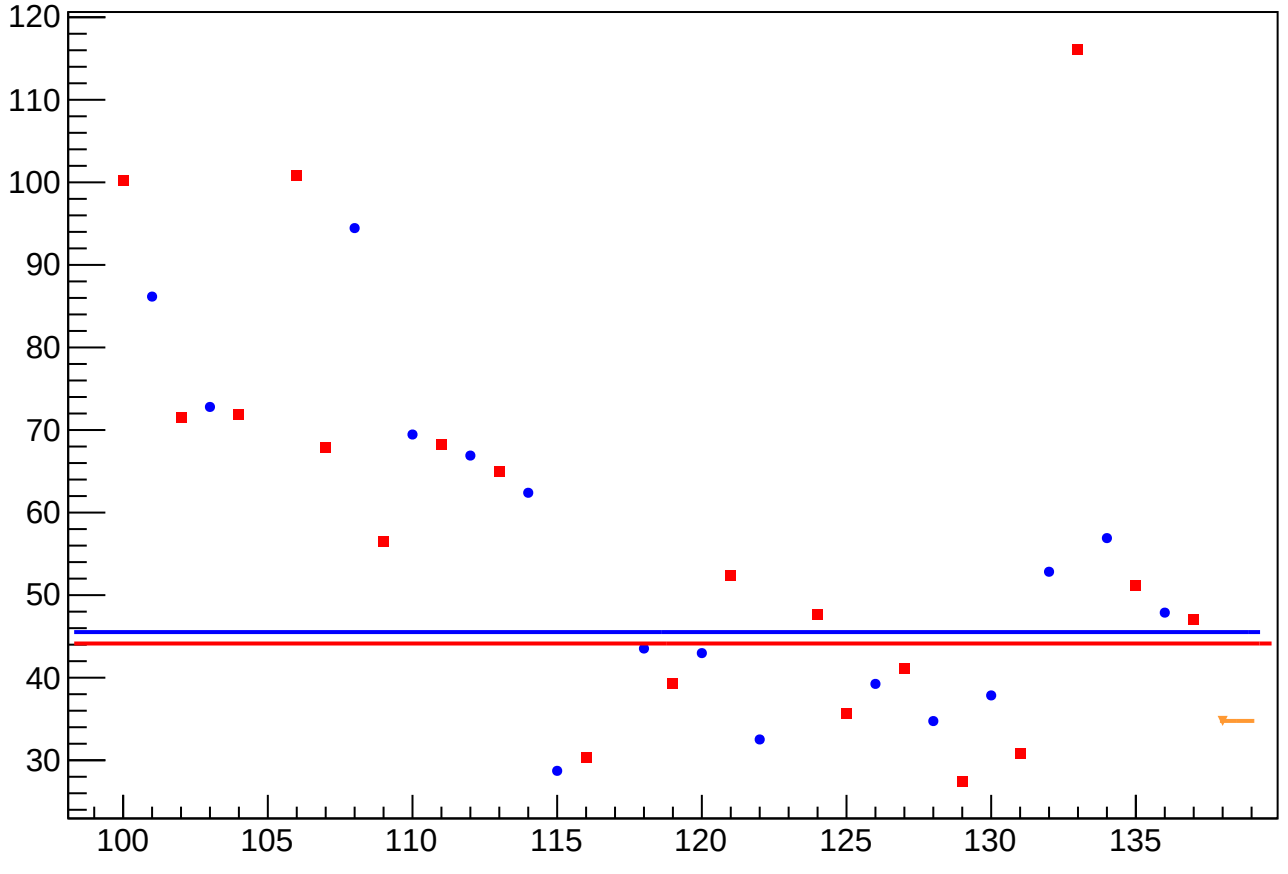
In: 45.525+/-0.013 χ^2/NDF:1253967.4/15

Out: 42.703+/-0.012 χ^2/NDF:1827742.7/19

All: 43.963+/-0.009 χ^2/NDF: 3107968.2/35


asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
105
110
115
120
125
130
135
Right In: 0.012+/-0.018 χ²/NDF: 16.9/15
Left Out: -0.037+/-0.042 χ²/NDF:0.0/0
Right Out: -0.029+/-0.018 χ²/NDF: 19.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.037+/-0.042 χ²/NDF: 0.0/0
Right: -0.009+/-0.013 χ²/NDF: 38.9/34
In: 0.012+/-0.018 χ²/NDF:16.9/15
Out: -0.030+/-0.016 χ²/NDF:19.6/19
All: -0.012+/-0.012 χ²/NDF: 39.3/35

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 34.763+/-0.030 χ^2/NDF:0.0/0

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

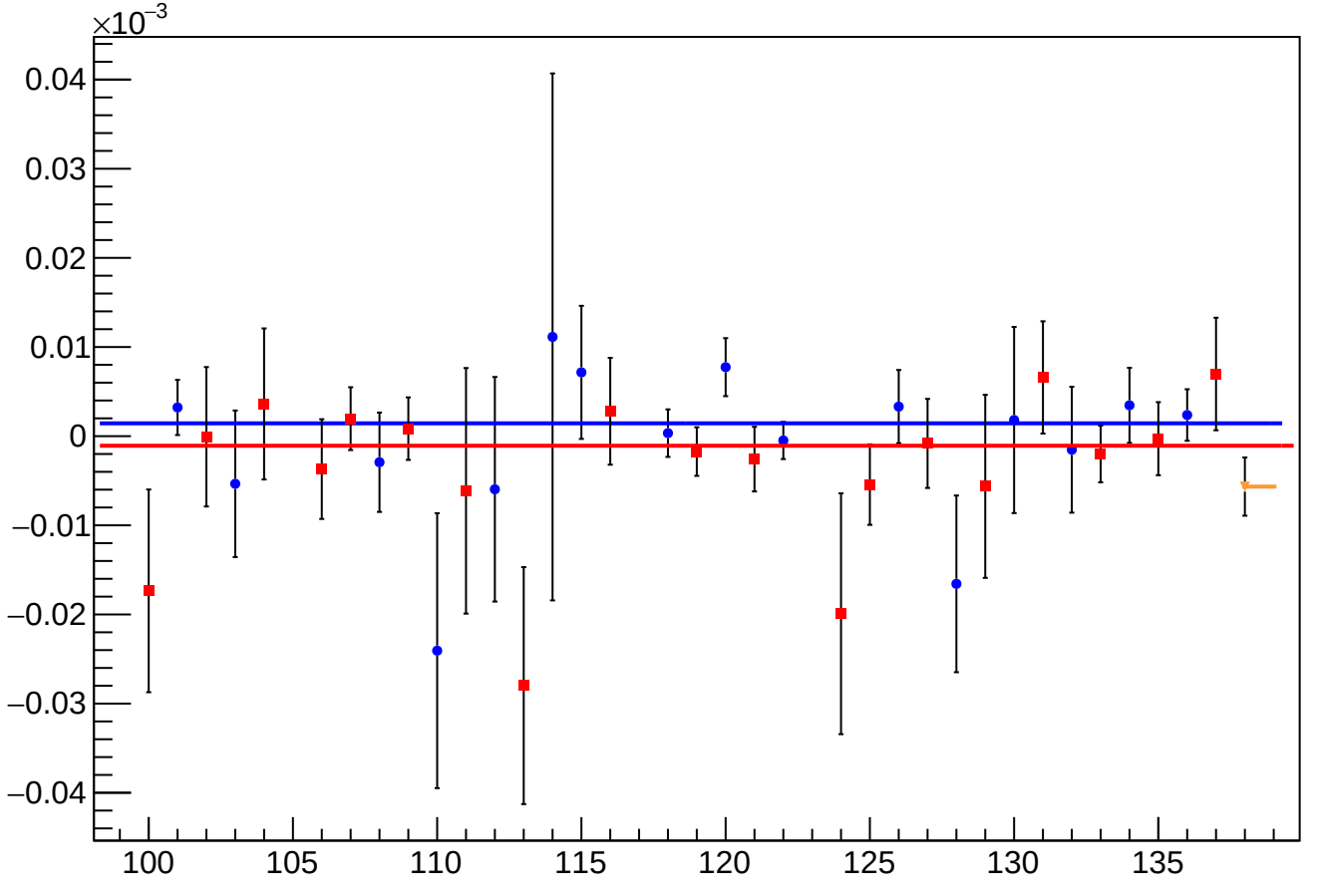
Left: 34.763+/-0.030 χ^2/NDF: 0.0/0

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 45.525+/-0.013 χ^2/NDF:1253967.4/15

Out: 42.703+/-0.012 χ^2/NDF:1827742.7/19

All: 43.963+/-0.009 χ^2/NDF: 3107968.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

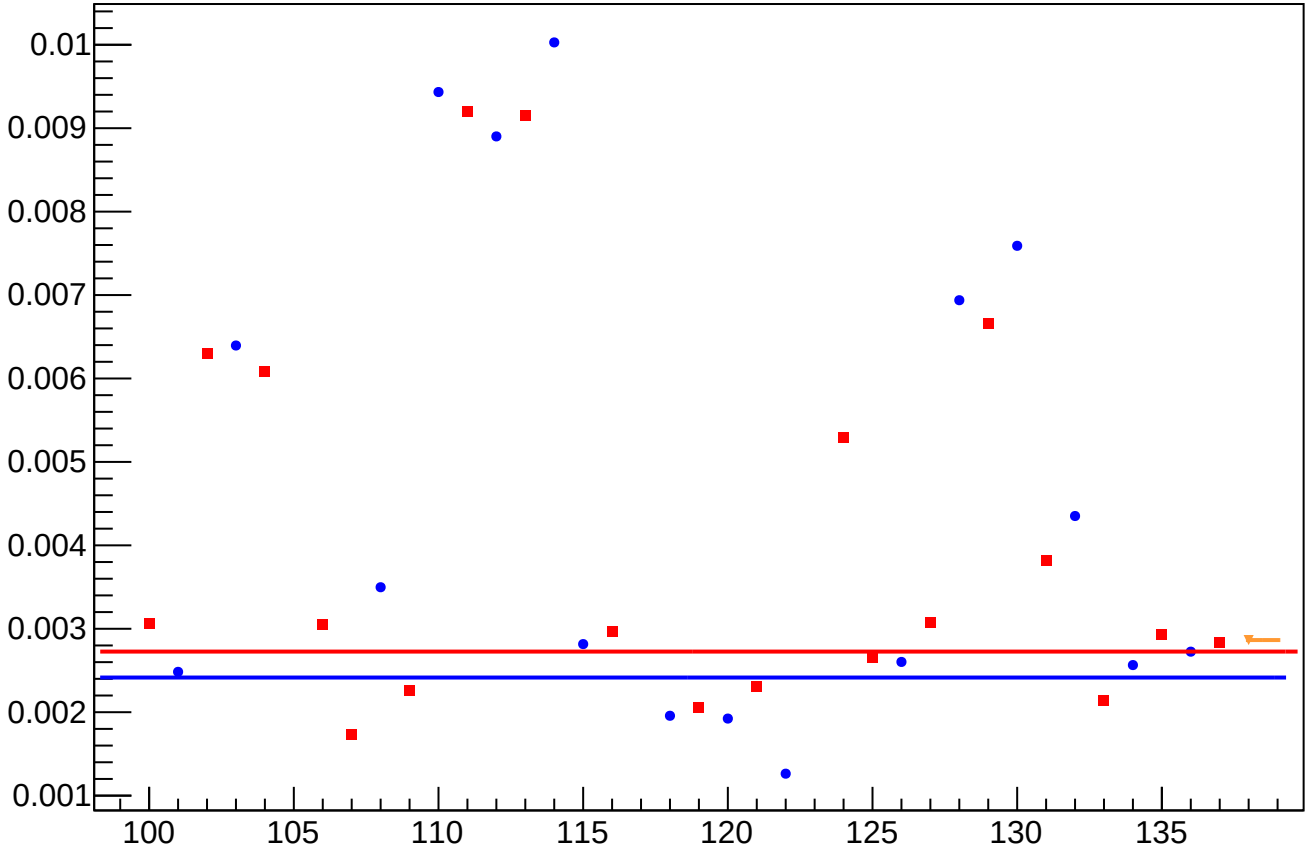
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:14.2/15

Out: -0.000+/-0.000 χ^2/NDF:16.6/19

All: -0.000+/-0.000 χ^2/NDF: 34.8/35

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:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

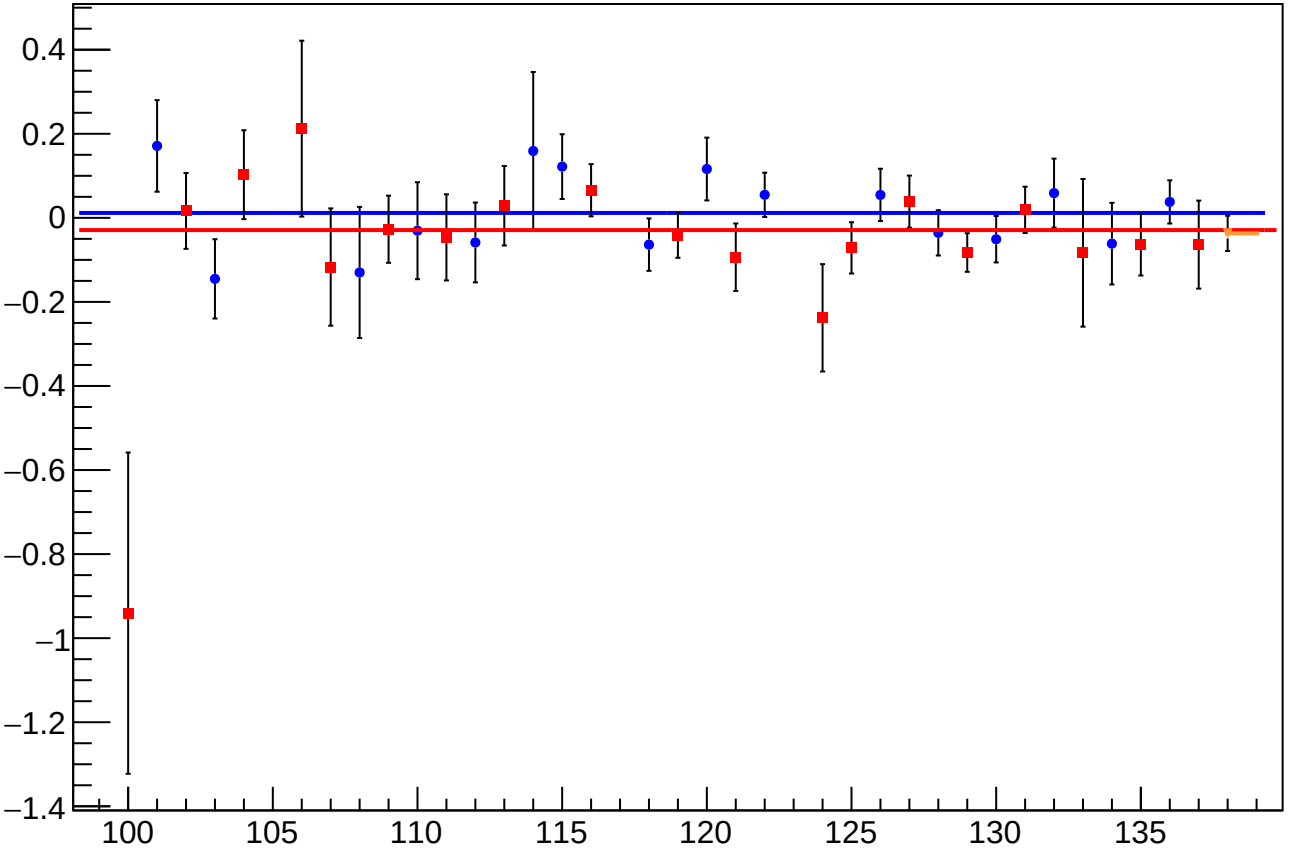
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:3432108.8/15

Out: 0.003+/-0.000 χ^2/NDF:2508280.6/19

All: 0.003+/-0.000 χ^2/NDF: 6036292.1/35

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: -0.037+/-0.042 χ^2/NDF:0.0/0

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

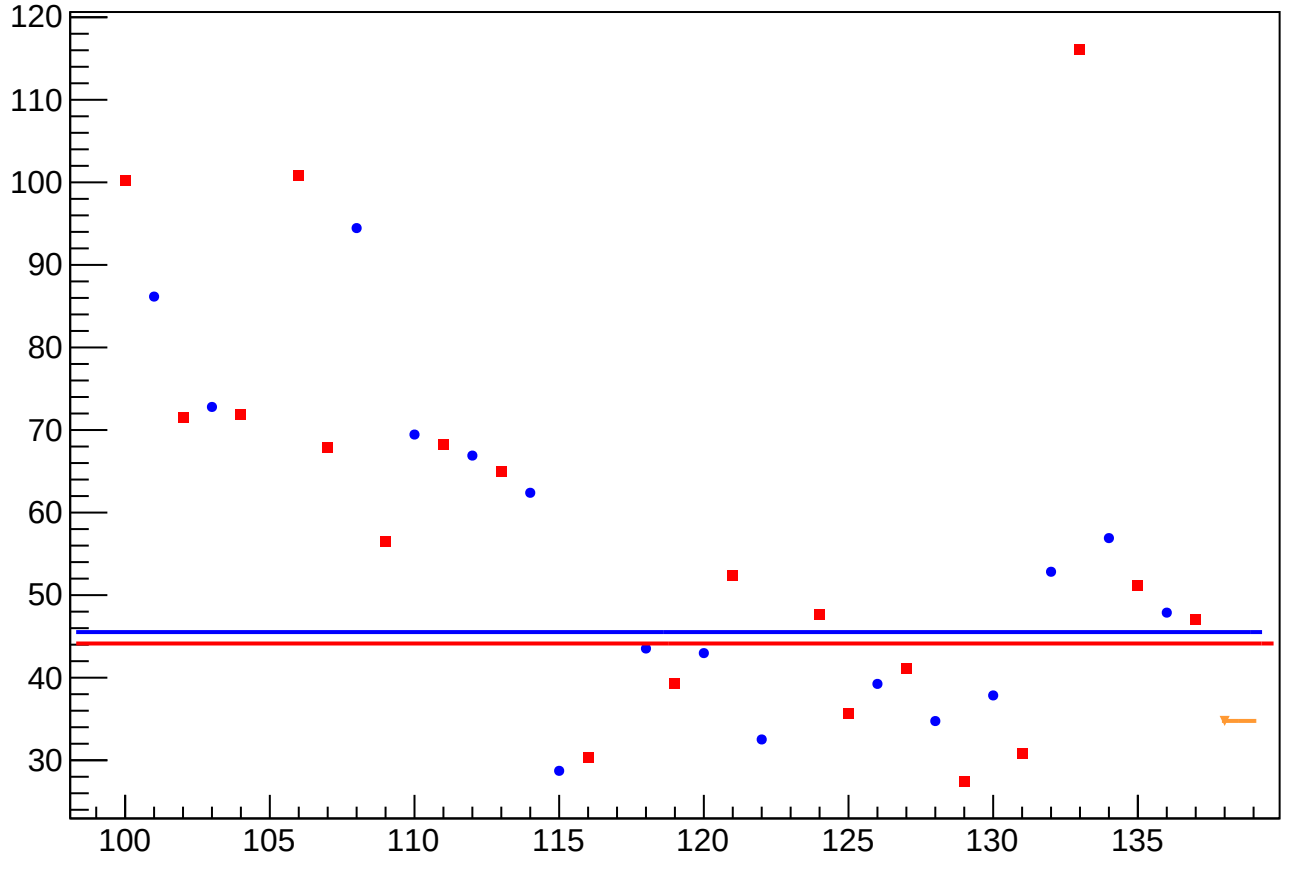
Left: -0.037+/-0.042 χ^2/NDF: 0.0/0

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.012+/-0.018 χ^2/NDF:16.9/15

Out: -0.030+/-0.016 χ^2/NDF:19.6/19

All: -0.012+/-0.012 χ^2/NDF: 39.3/35



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 34.763+/-0.030 χ^2/NDF:0.0/0

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

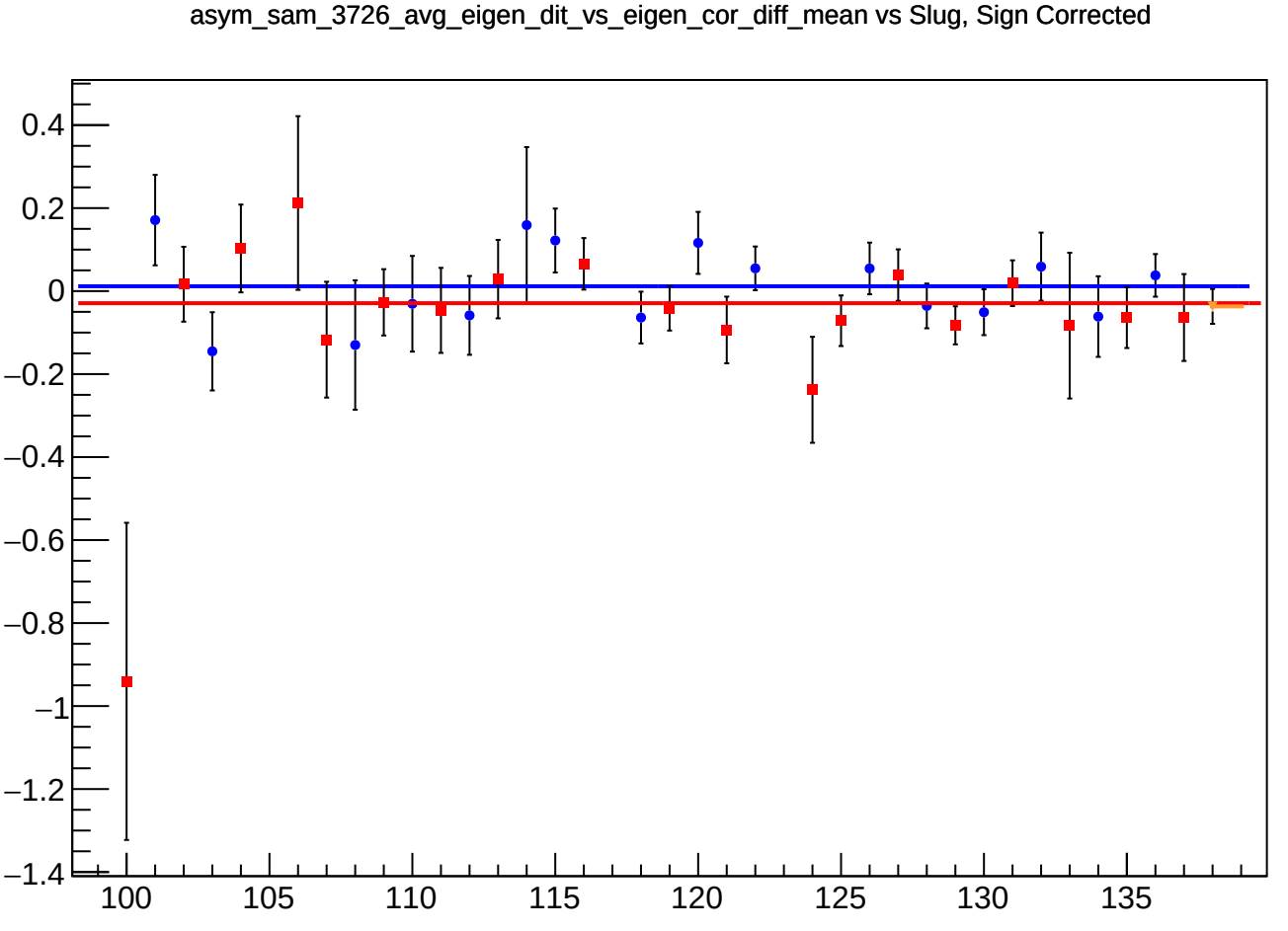
Left: 34.763+/-0.030 χ^2/NDF: 0.0/0

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 45.525+/-0.013 χ^2/NDF:1253922.0/15

Out: 42.704+/-0.012 χ^2/NDF:1827675.1/19

All: 43.963+/-0.009 χ^2/NDF: 3107850.8/35



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.037+/-0.042 χ^2/NDF:0.0/0

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

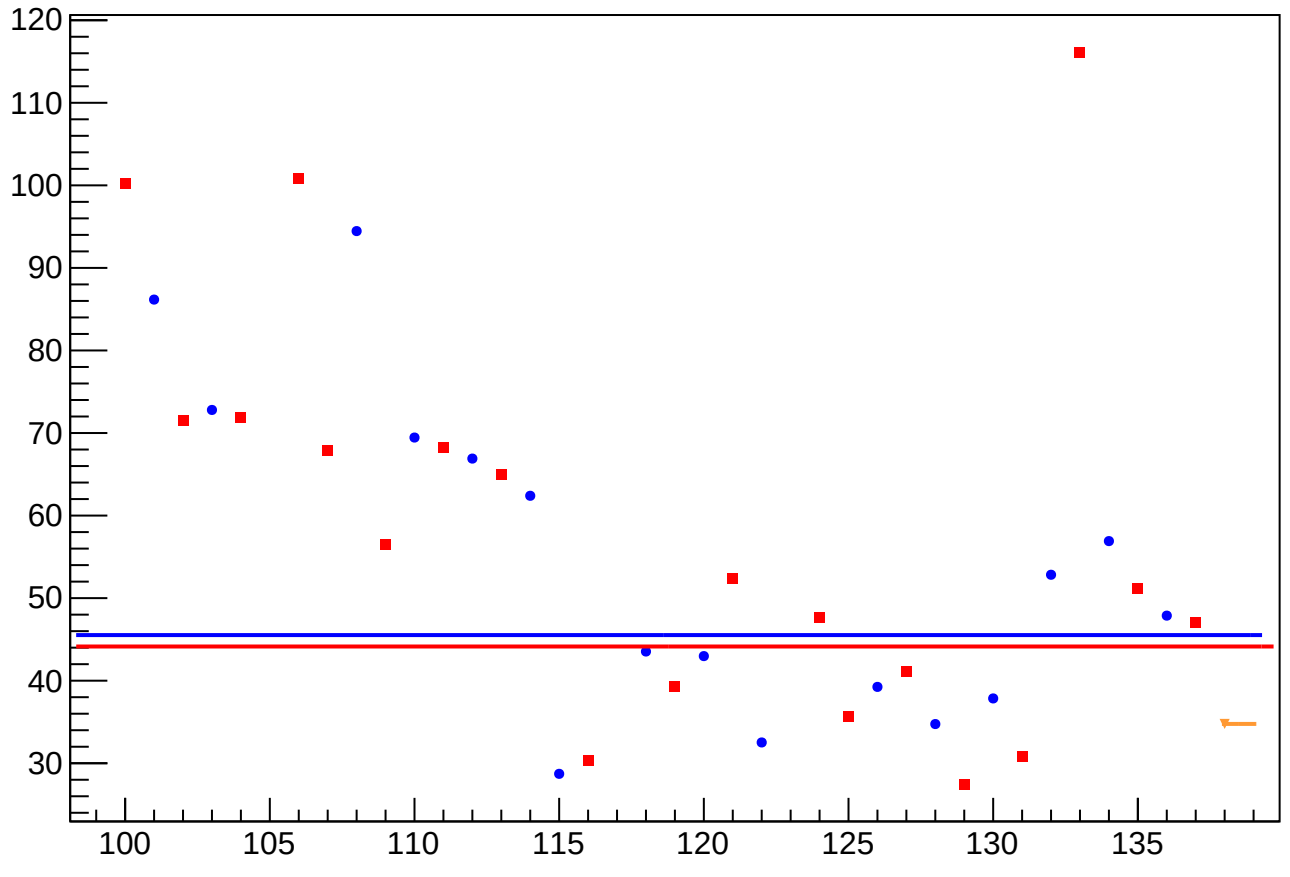
Left: -0.037+/-0.042 χ^2/NDF: 0.0/0

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.012+/-0.018 χ^2/NDF:16.9/15

Out: -0.030+/-0.016 χ^2/NDF:19.6/19

All: -0.012+/-0.012 χ^2/NDF: 39.3/35



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 34.763+/-0.030 χ^2/NDF:0.0/0

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

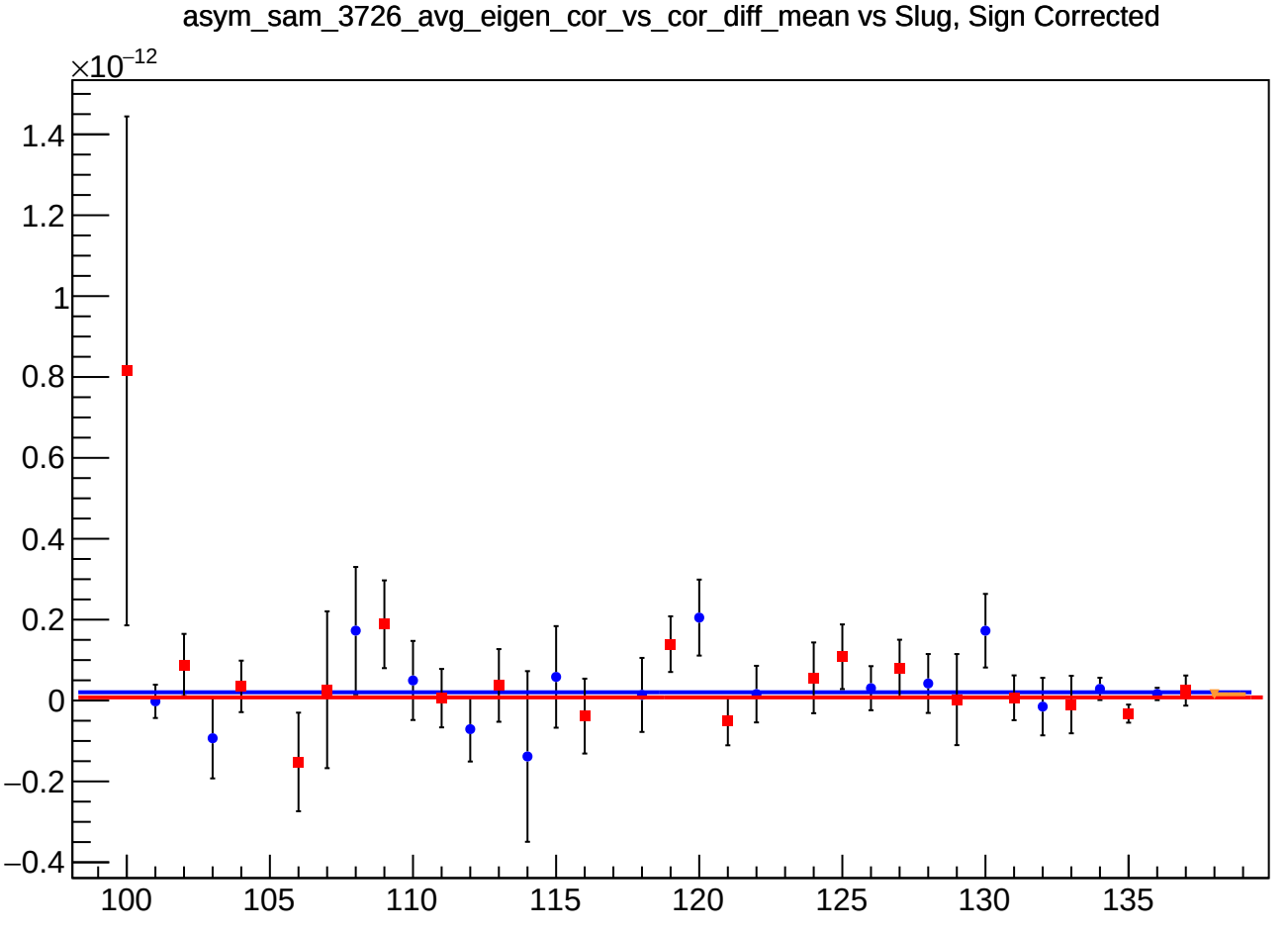
Left: 34.763+/-0.030 χ^2/NDF: 0.0/0

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 45.525+/-0.013 χ^2/NDF:1253922.0/15

Out: 42.704+/-0.012 χ^2/NDF:1827675.1/19

All: 43.963+/-0.009 χ^2/NDF: 3107850.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

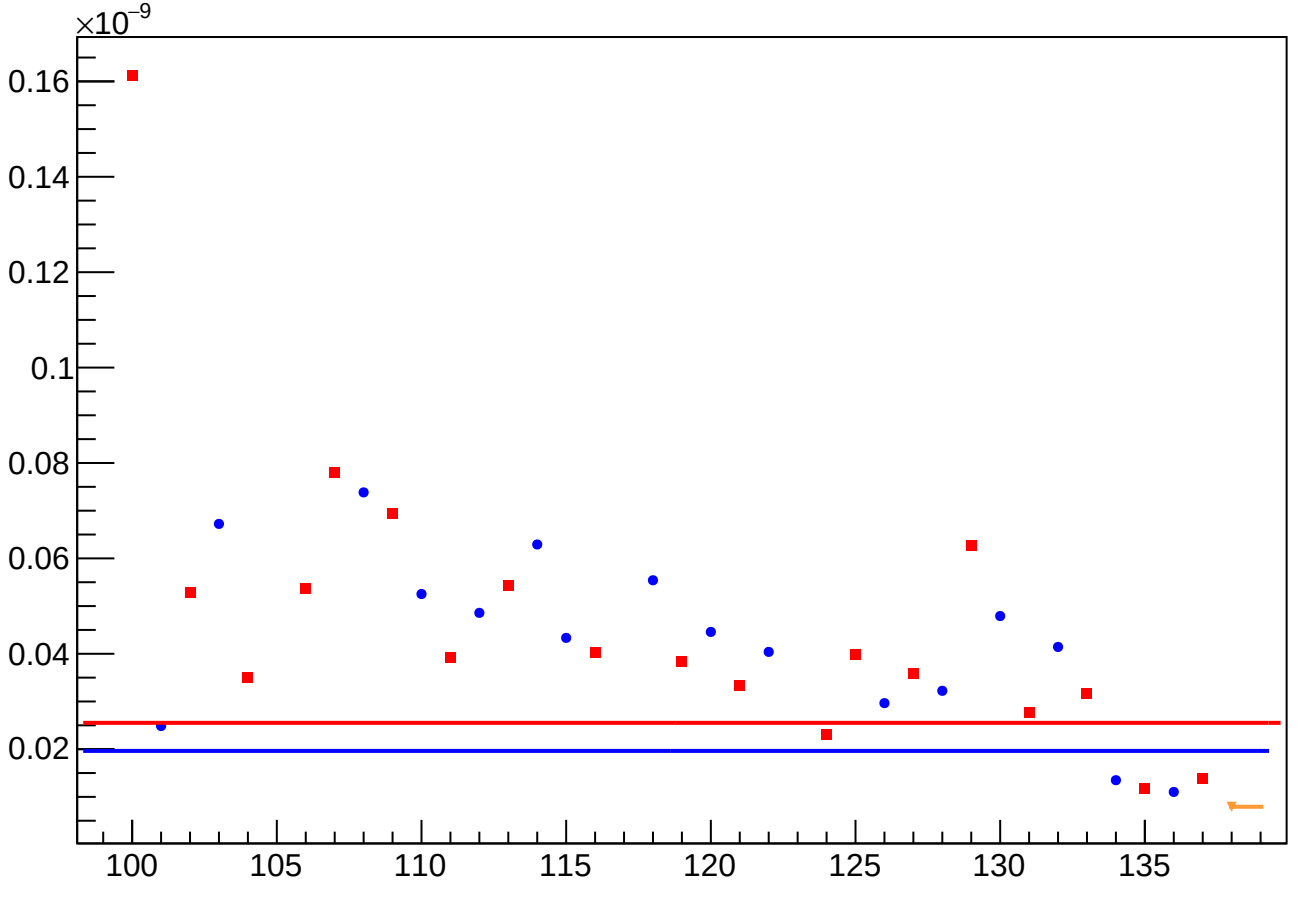
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:11.8/15

Out: 0.000+/-0.000 χ^2/NDF:19.0/19

All: 0.000+/-0.000 χ^2/NDF: 31.1/35



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

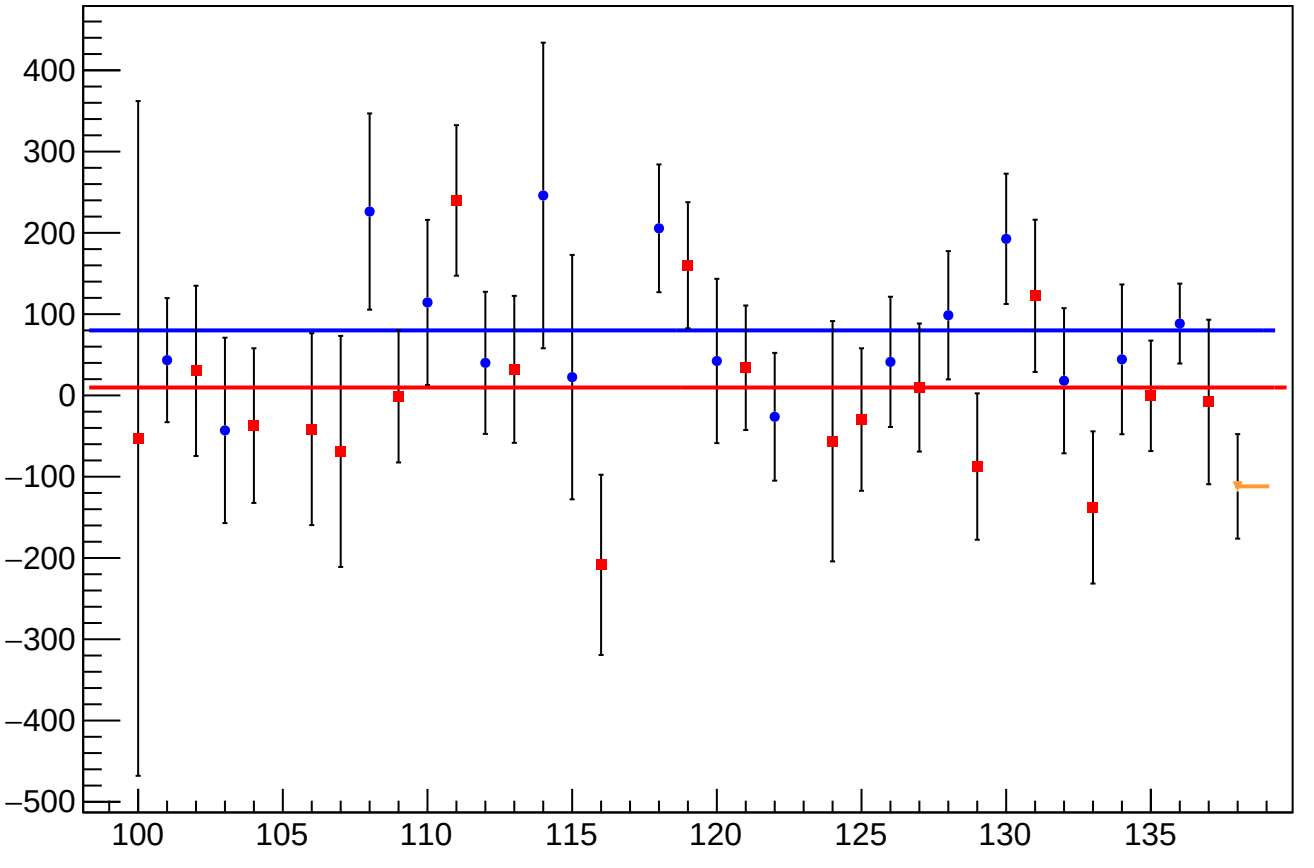
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:3241093.6/15

Out: 0.000+/-0.000 χ^2/NDF:4532630.3/19

All: 0.000+/-0.000 χ^2/NDF: 7917215.7/35



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -111.893+/-64.299 χ^2/NDF:0.0/0

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

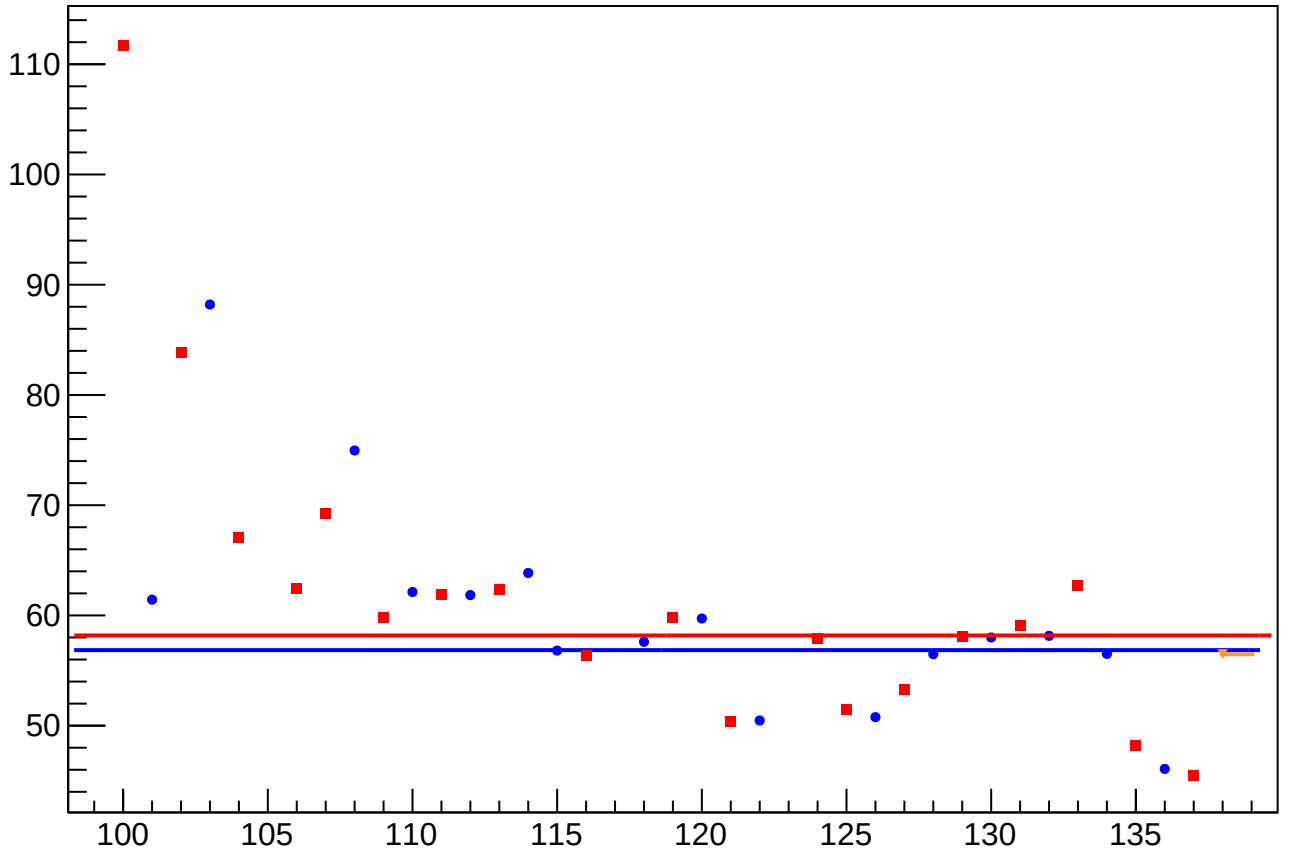
Left: -111.893+/-64.299 χ^2/NDF: 0.0/0

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 79.993+/-21.474 χ^2/NDF:11.6/15

Out: -2.621+/-20.490 χ^2/NDF:23.6/19

All: 36.749+/-14.825 χ^2/NDF: 42.9/35



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 56.481+/-0.045 χ^2/NDF:0.0/0

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

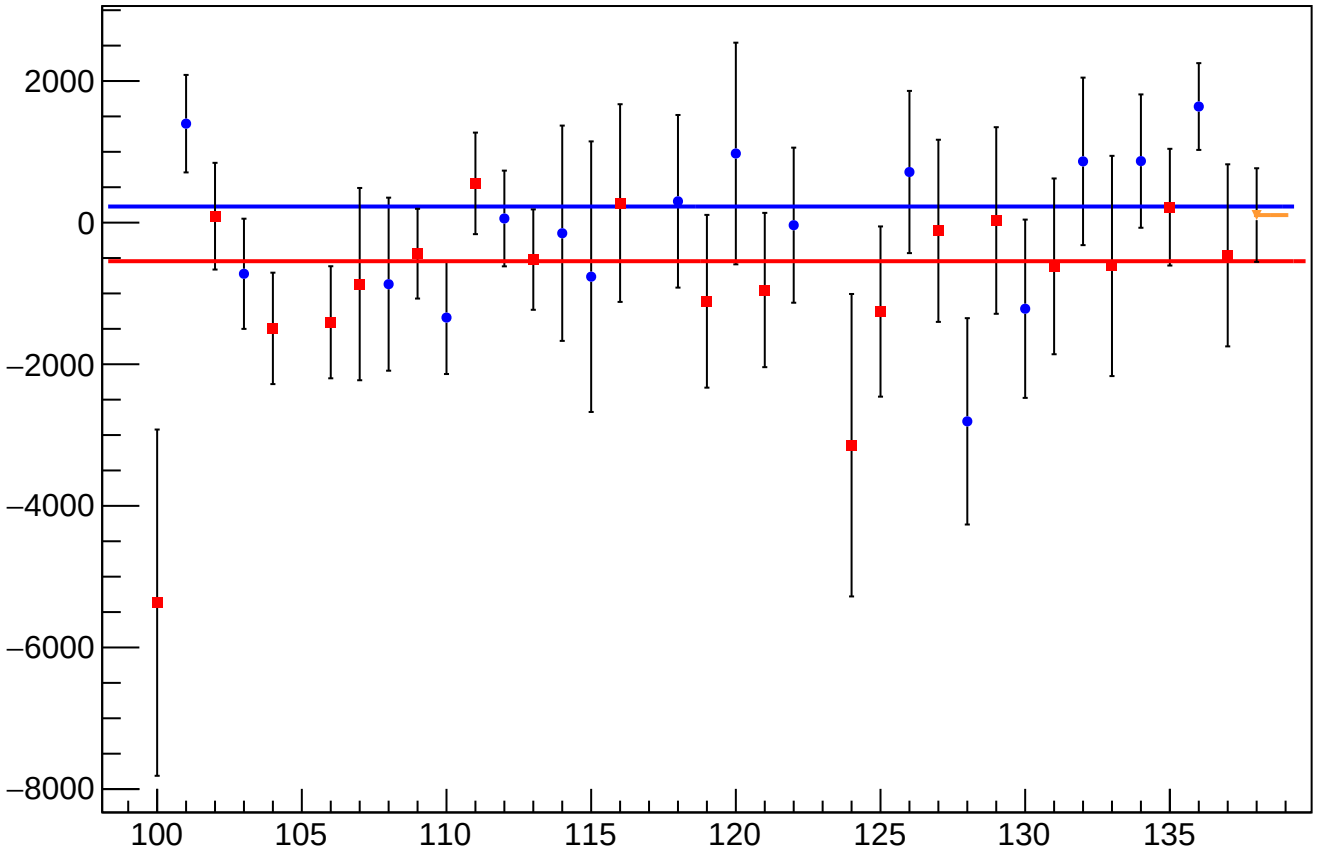
Left: 56.481+/-0.045 χ^2/NDF: 0.0/0

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 56.854+/-0.015 χ^2/NDF:341601.2/15

Out: 58.009+/-0.014 χ^2/NDF:315916.9/19

All: 57.459+/-0.010 χ^2/NDF: 660544.1/35



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 106.601+/-661.325 χ^2/NDF:0.0/0

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

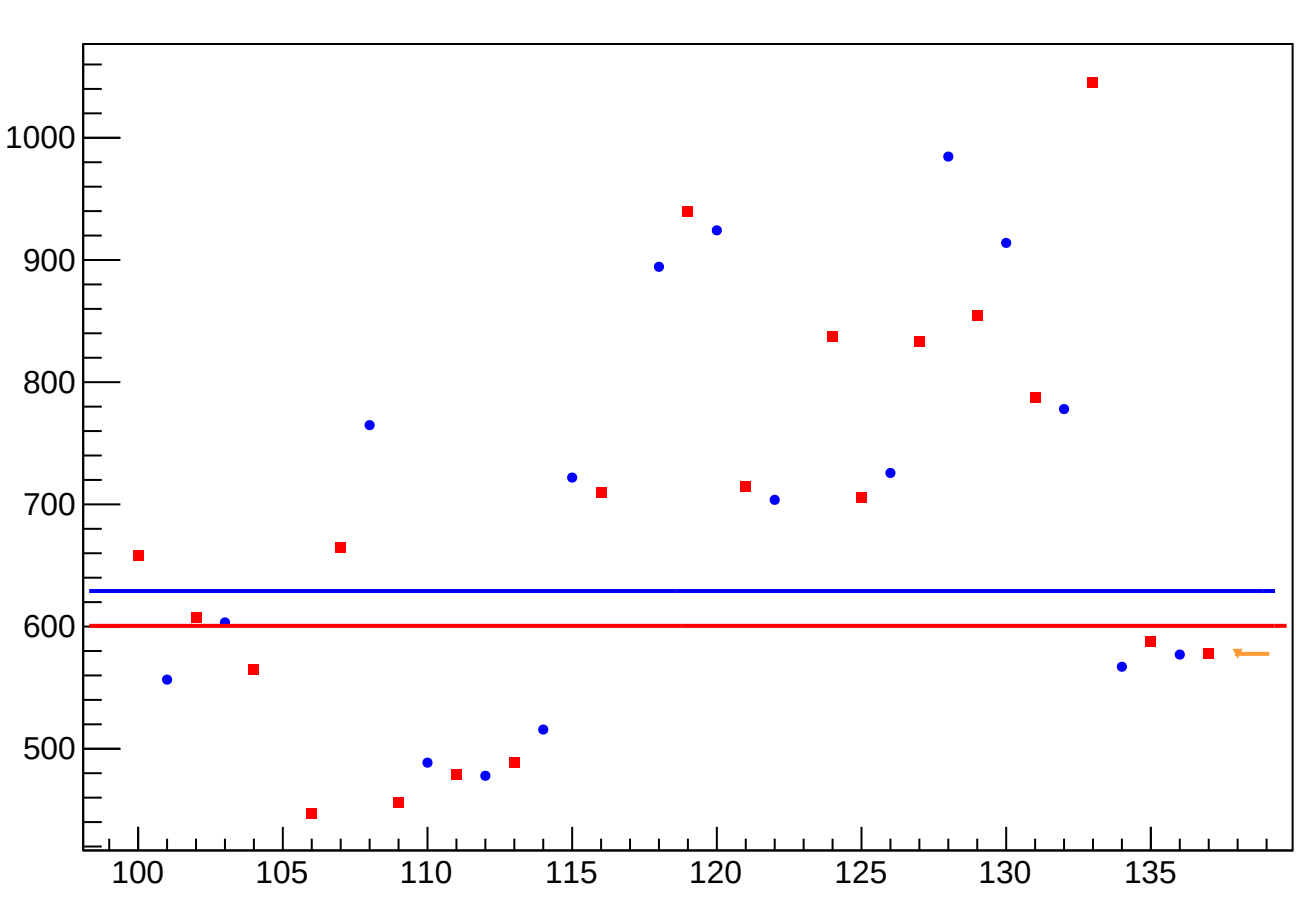
Left: 106.601+/-661.325 χ^2/NDF: 0.0/0

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: 227.508+/-241.225 χ^2/NDF:21.6/15

Out: -475.982+/-214.909 χ^2/NDF:14.2/19

All: -164.689+/-160.464 χ^2/NDF: 40.6/35



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 577.689+/-0.468 χ^2/NDF:0.0/0

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

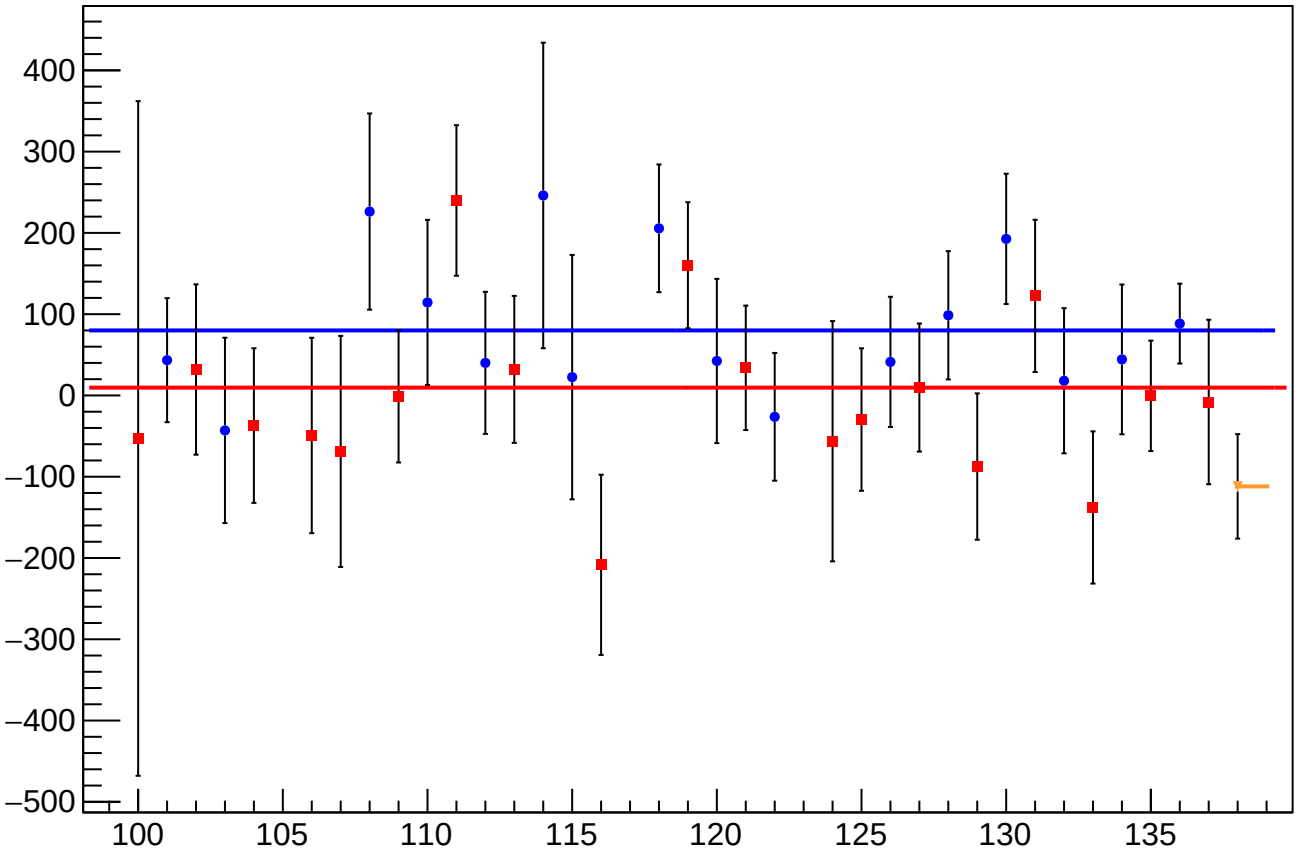
Left: 577.689+/-0.468 χ^2/NDF: 0.0/0

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 629.096+/-0.171 χ^2/NDF:692724.2/15

Out: 598.174+/-0.152 χ^2/NDF:876759.8/19

All: 611.857+/-0.113 χ^2/NDF: 1587804.9/35



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -111.893+/-64.299 χ^2/NDF:0.0/0

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

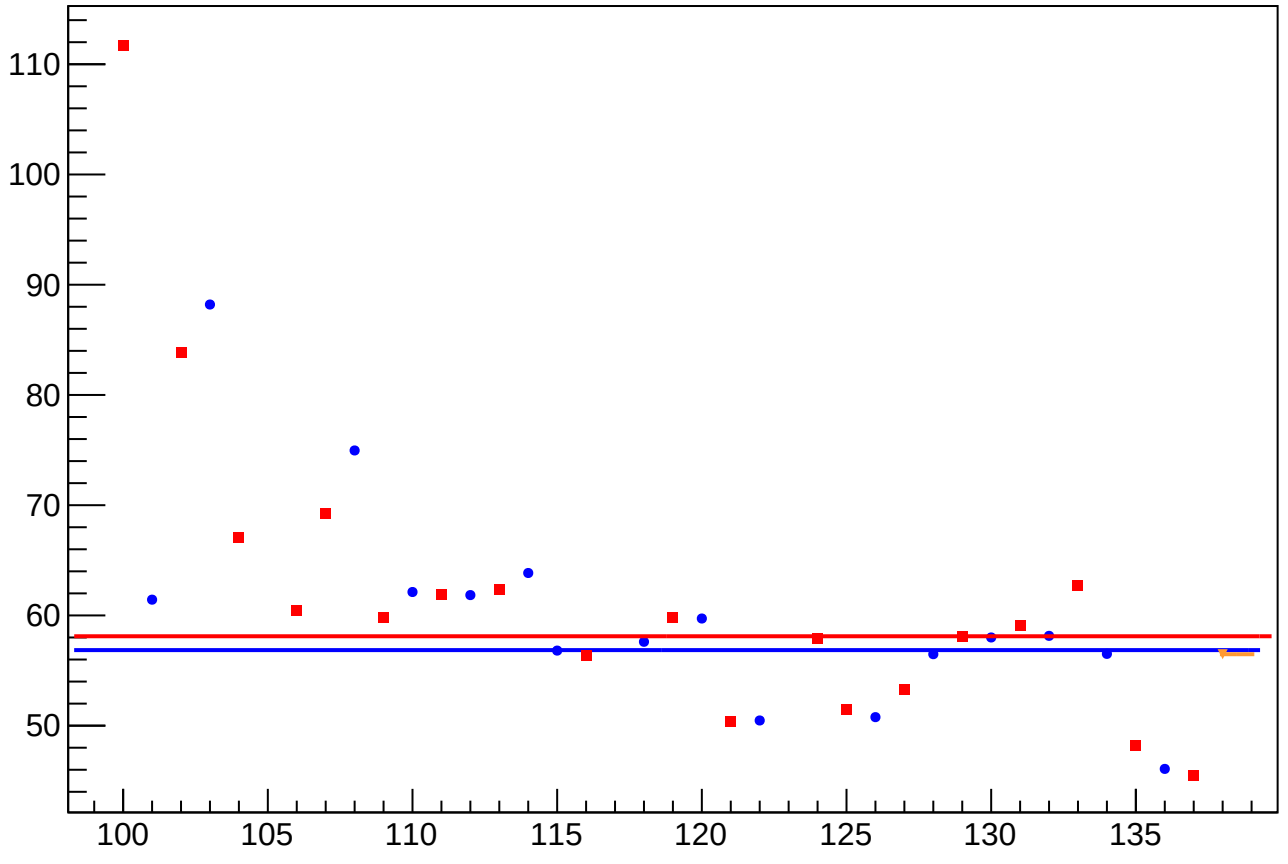
Left: -111.893+/-64.299 χ^2/NDF: 0.0/0

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 79.998+/-21.474 χ^2/NDF:11.6/15

Out: -2.735+/-20.502 χ^2/NDF:23.6/19

All: 36.716+/-14.829 χ^2/NDF: 42.9/35



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 56.481+/-0.045 χ^2/NDF:0.0/0

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

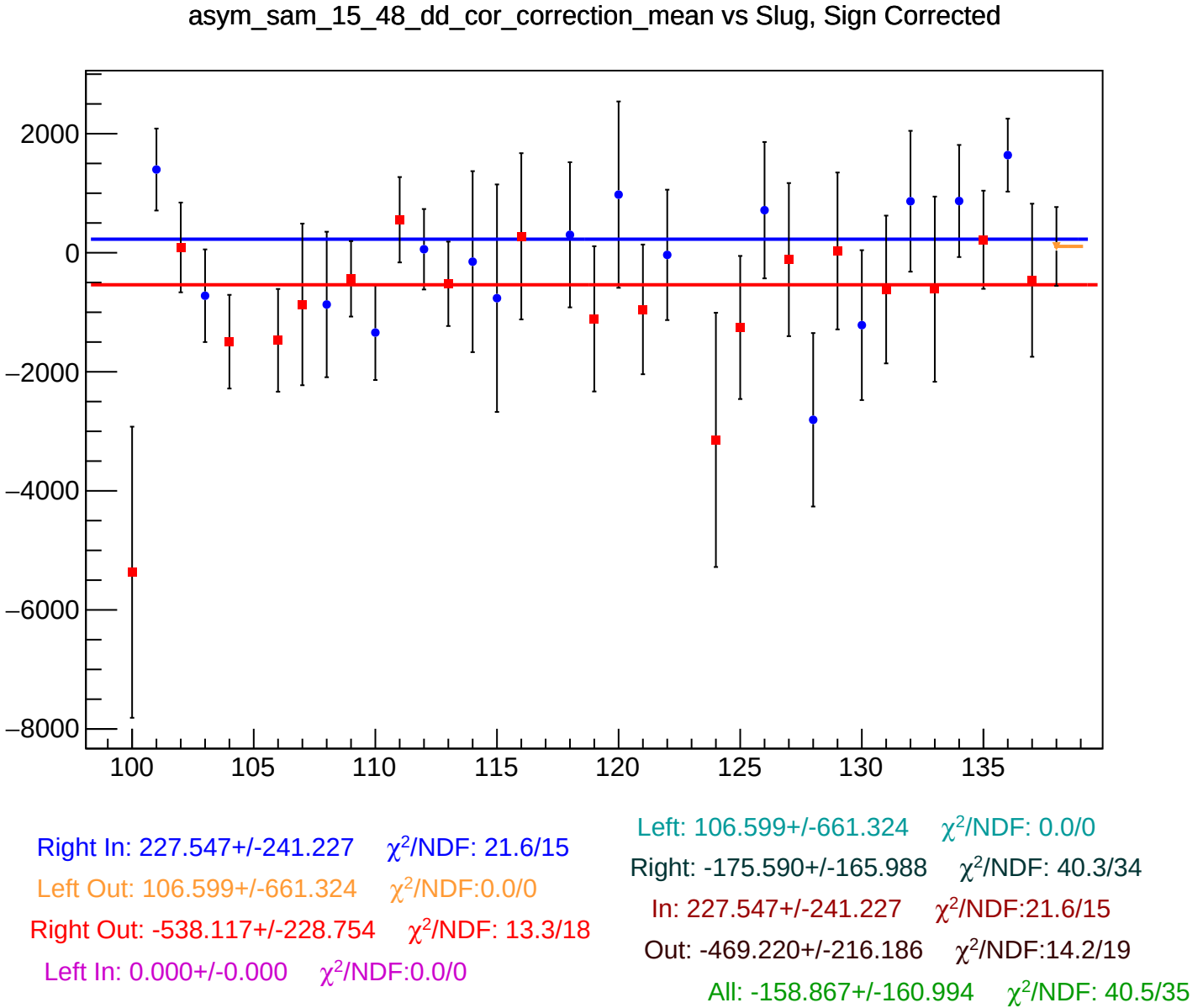
Left: 56.481+/-0.045 χ^2/NDF: 0.0/0

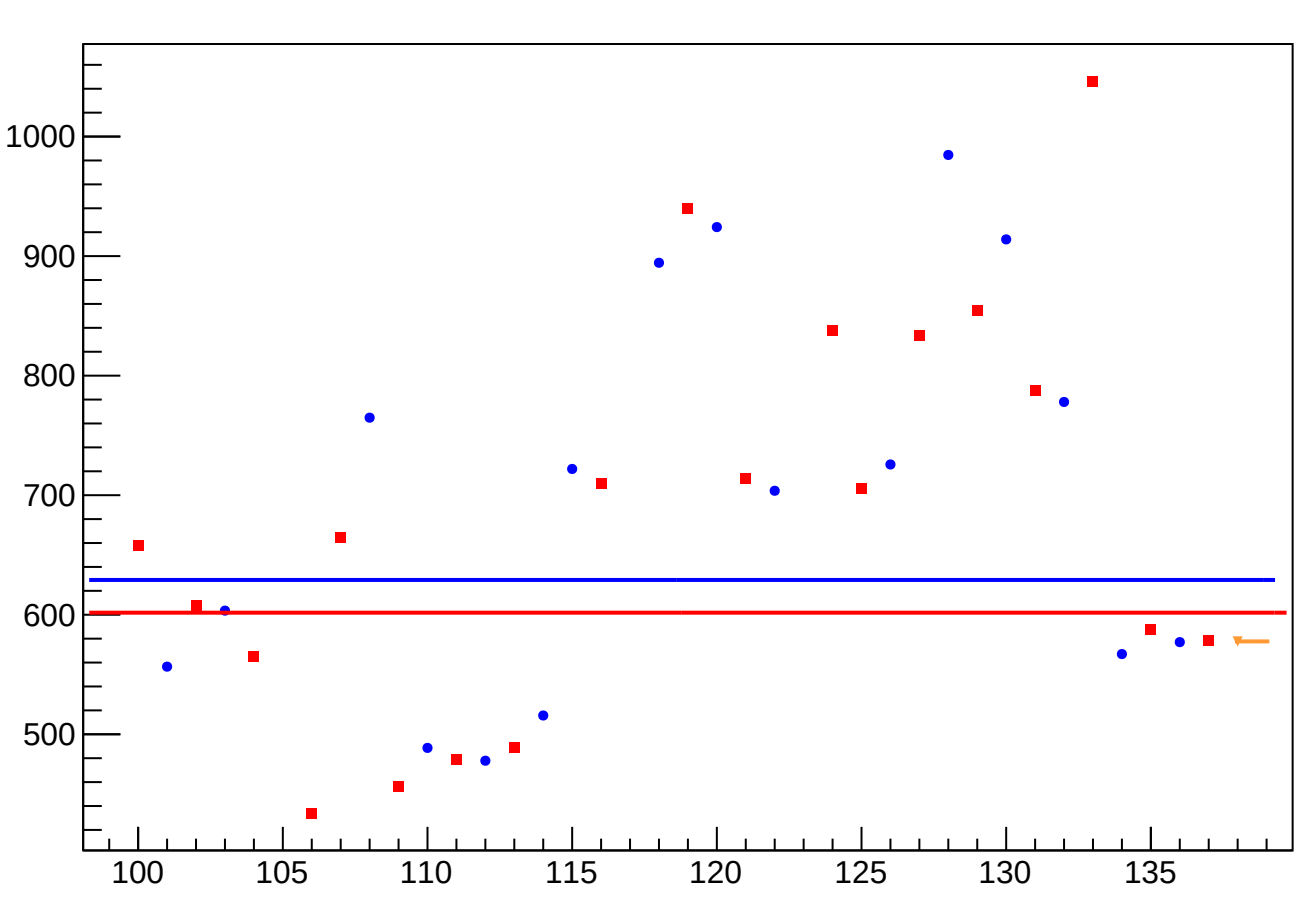
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 56.854+/-0.015 χ^2/NDF:341605.0/15

Out: 57.945+/-0.014 χ^2/NDF:314092.3/19

All: 57.425+/-0.010 χ^2/NDF: 658396.9/35


asym_sam_15_48_dd_cor_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
Right In: 227.547+/-241.227 χ²/NDF: 21.6/15
Left Out: 106.599+/-661.324 χ²/NDF:0.0/0
Right Out: -538.117+/-228.754 χ²/NDF: 13.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 106.599+/-661.324 χ²/NDF: 0.0/0
Right: -175.590+/-165.988 χ²/NDF: 40.3/34
In: 227.547+/-241.227 χ²/NDF:21.6/15
Out: -469.220+/-216.186 χ²/NDF:14.2/19
All: -158.867+/-160.994 χ²/NDF: 40.5/35



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 577.689+/-0.468 χ^2/NDF:0.0/0

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

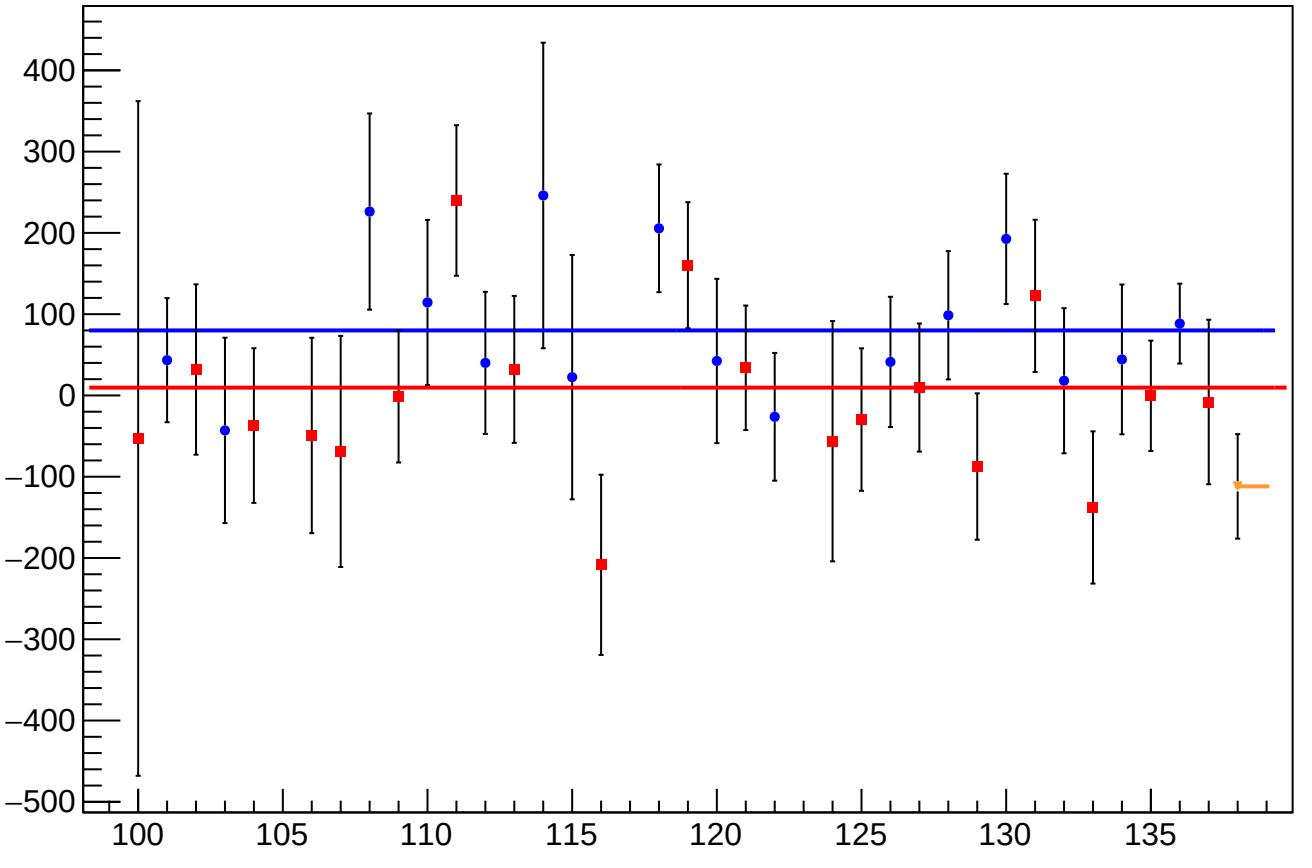
Left: 577.689+/-0.468 χ^2/NDF: 0.0/0

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 629.101+/-0.171 χ^2/NDF:692716.0/15

Out: 599.152+/-0.153 χ^2/NDF:876400.9/19

All: 612.492+/-0.114 χ^2/NDF: 1586212.3/35



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -111.893+/-64.299 χ^2/NDF:0.0/0

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

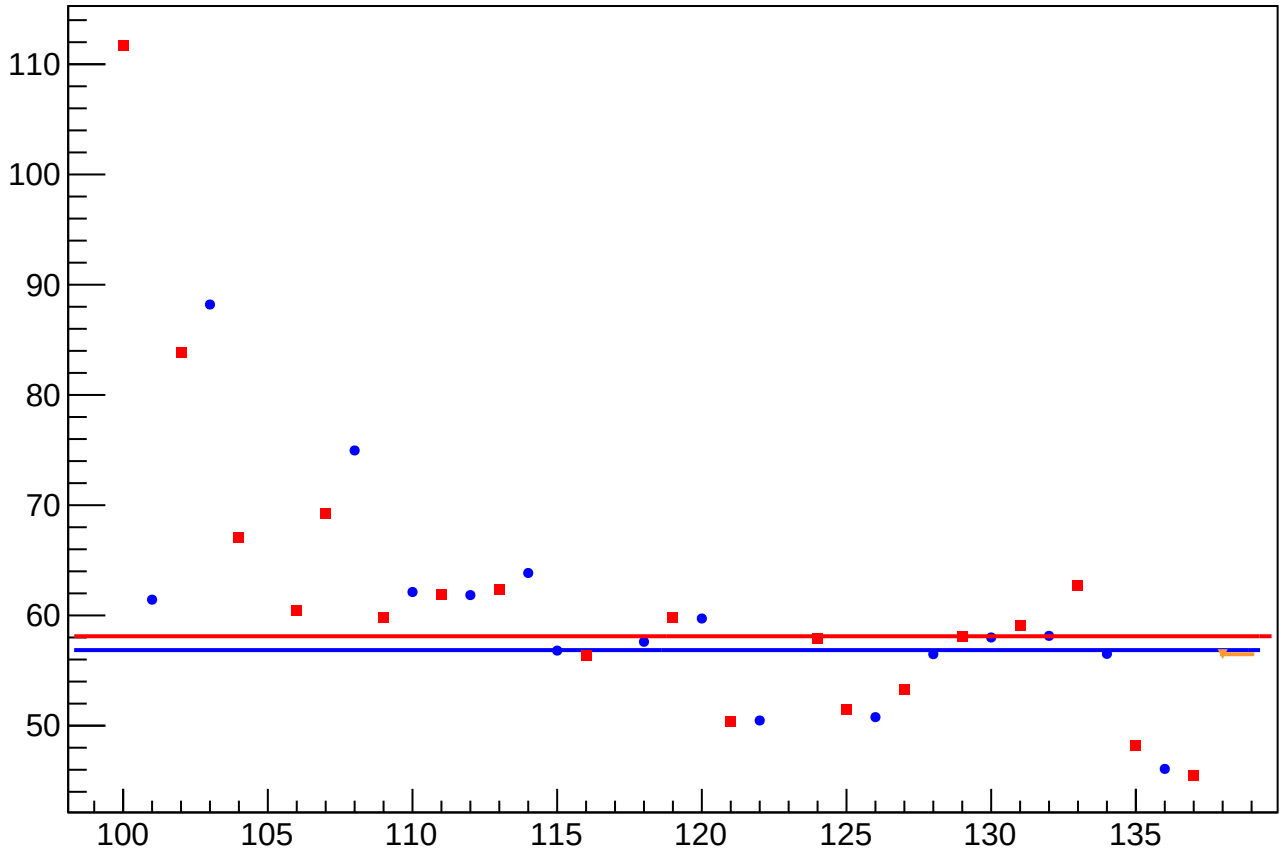
Left: -111.893+/-64.299 χ^2/NDF: 0.0/0

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 79.998+/-21.474 χ^2/NDF:11.6/15

Out: -2.735+/-20.502 χ^2/NDF:23.6/19

All: 36.716+/-14.829 χ^2/NDF: 42.9/35



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 56.481+/-0.045 χ^2/NDF:0.0/0

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

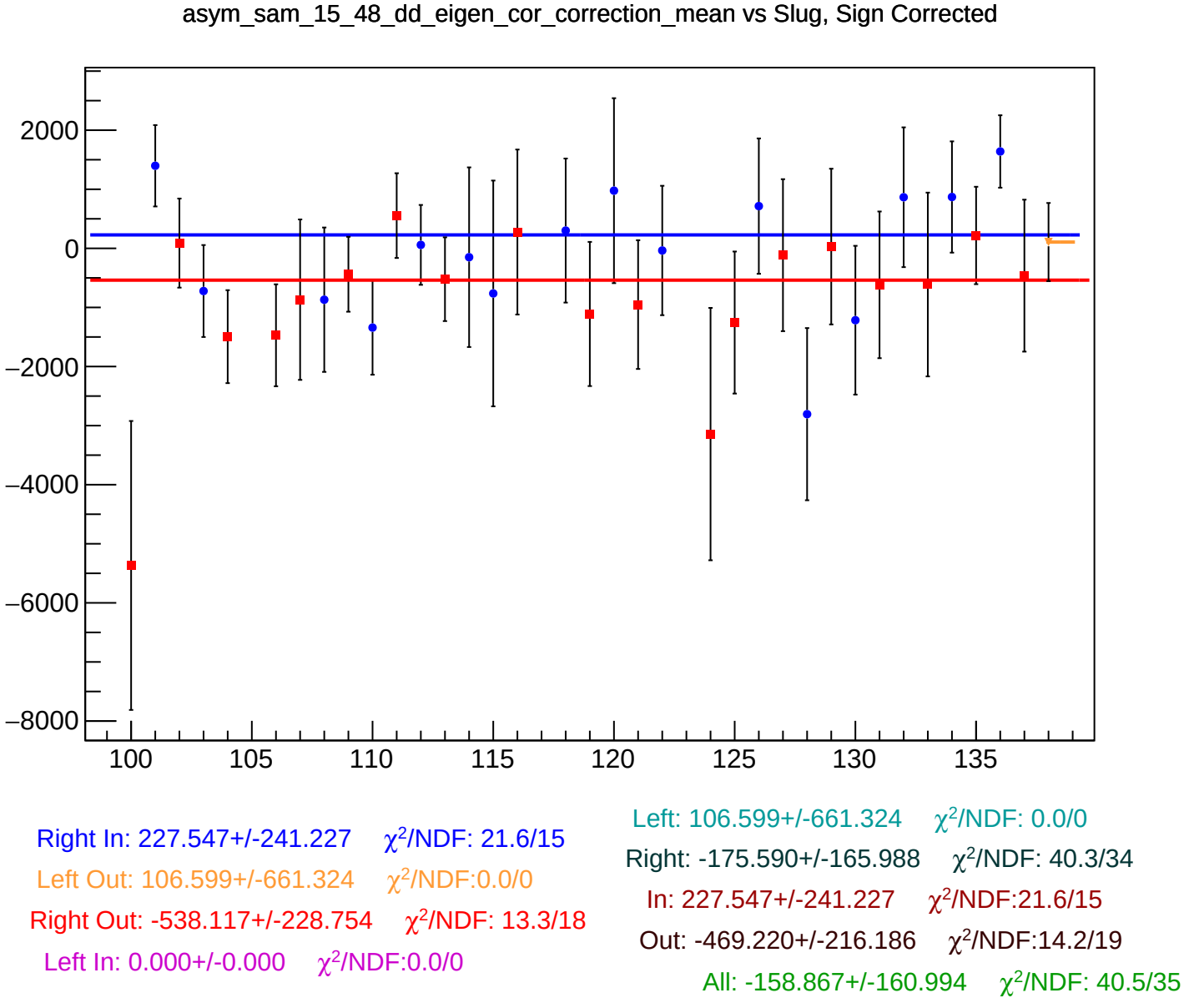
Left: 56.481+/-0.045 χ^2/NDF: 0.0/0

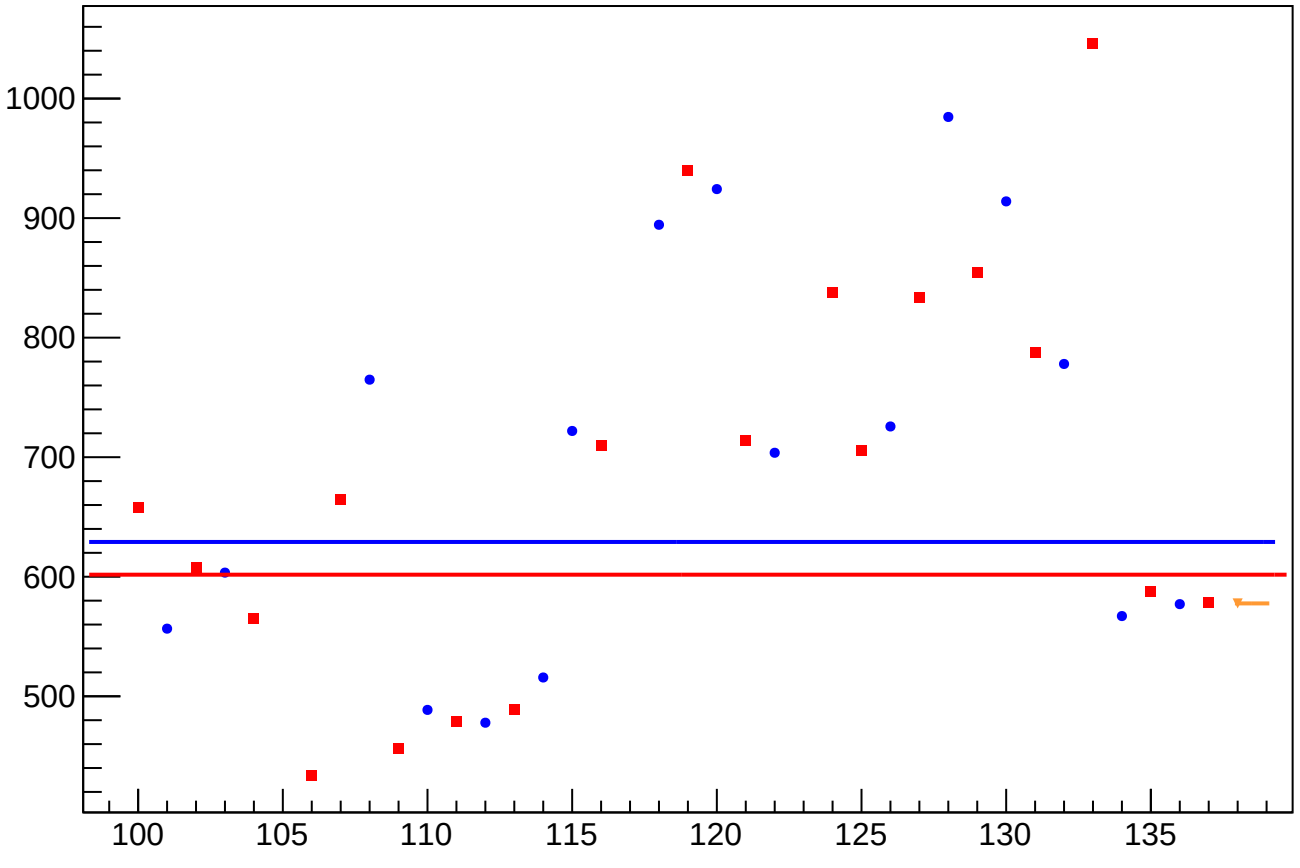
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 56.854+/-0.015 χ^2/NDF:341605.0/15

Out: 57.945+/-0.014 χ^2/NDF:314092.3/19

All: 57.425+/-0.010 χ^2/NDF: 658396.9/35


asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
Right In: 227.547+/-241.227 χ²/NDF: 21.6/15
Left Out: 106.599+/-661.324 χ²/NDF:0.0/0
Right Out: -538.117+/-228.754 χ²/NDF: 13.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 106.599+/-661.324 χ²/NDF: 0.0/0
Right: -175.590+/-165.988 χ²/NDF: 40.3/34
In: 227.547+/-241.227 χ²/NDF:21.6/15
Out: -469.220+/-216.186 χ²/NDF:14.2/19
All: -158.867+/-160.994 χ²/NDF: 40.5/35



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 577.689+/-0.468 χ^2/NDF:0.0/0

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

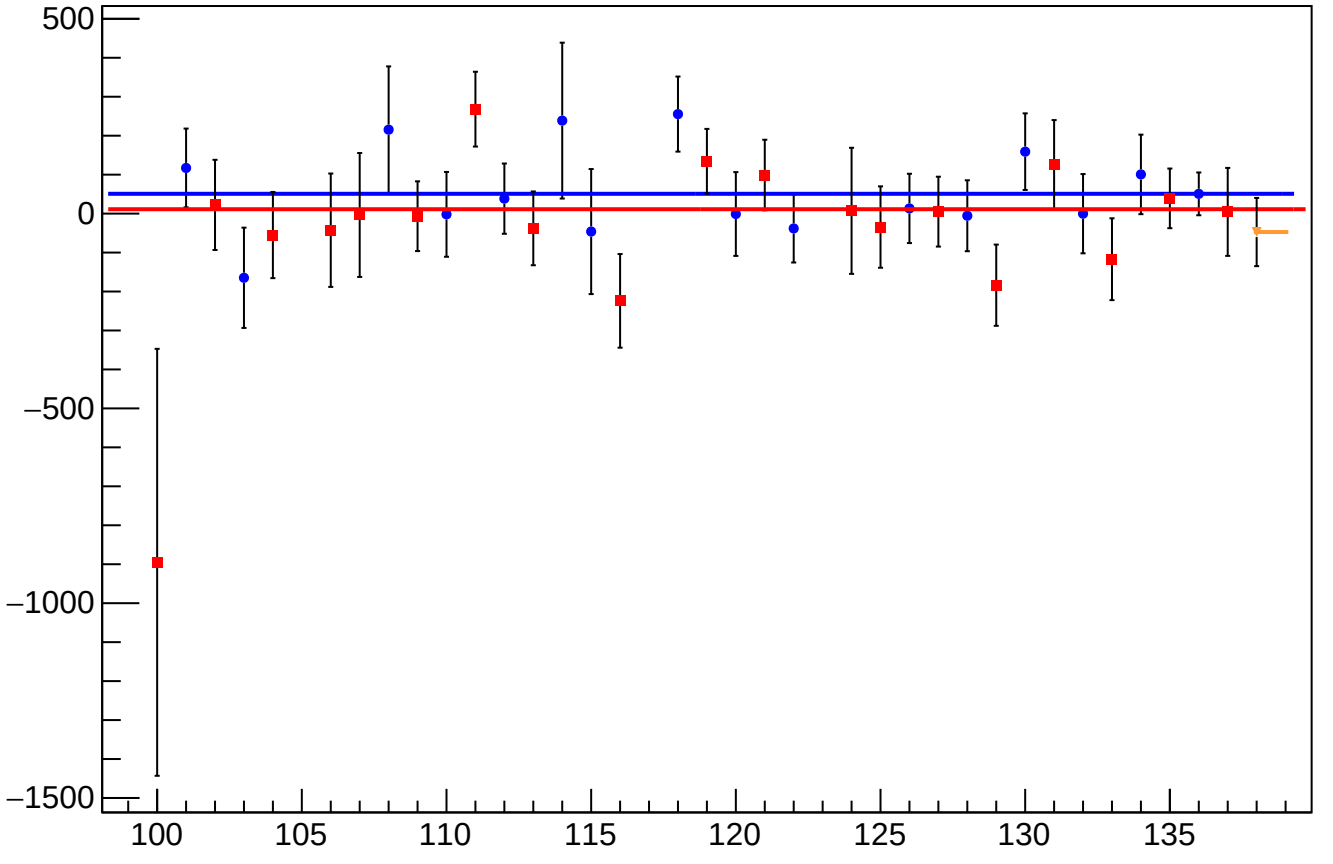
Left: 577.689+/-0.468 χ^2/NDF: 0.0/0

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 629.101+/-0.171 χ^2/NDF:692716.0/15

Out: 599.152+/-0.153 χ^2/NDF:876400.9/19

All: 612.492+/-0.114 χ^2/NDF: 1586212.3/35



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -47.291+/-87.568 χ^2/NDF:0.0/0

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

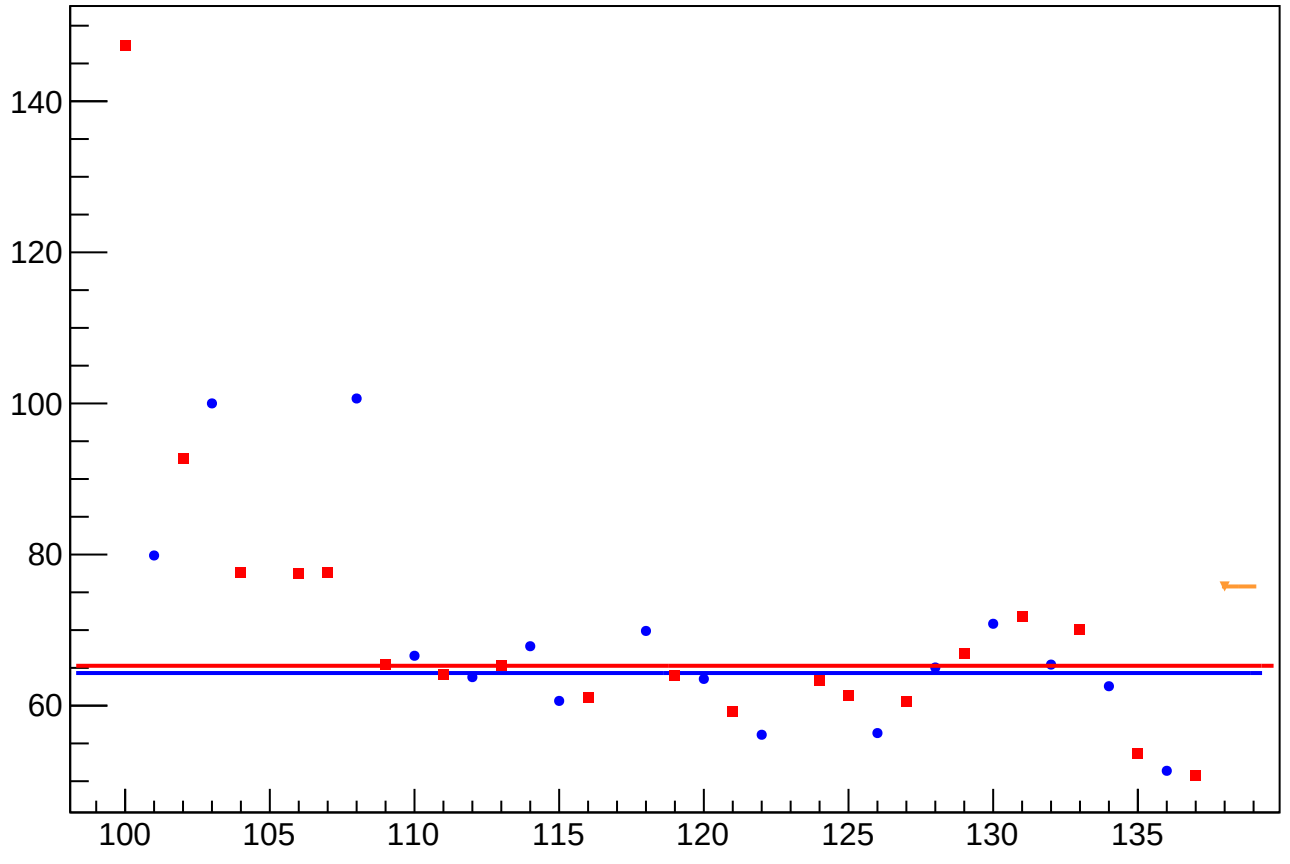
Left: -47.291+/-87.568 χ^2/NDF: 0.0/0

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 50.861+/-24.492 χ^2/NDF:13.8/15

Out: 7.067+/-23.437 χ^2/NDF:24.4/19

All: 28.000+/-16.933 χ^2/NDF: 39.9/35



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 75.776+/-0.062 χ^2/NDF:0.0/0

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

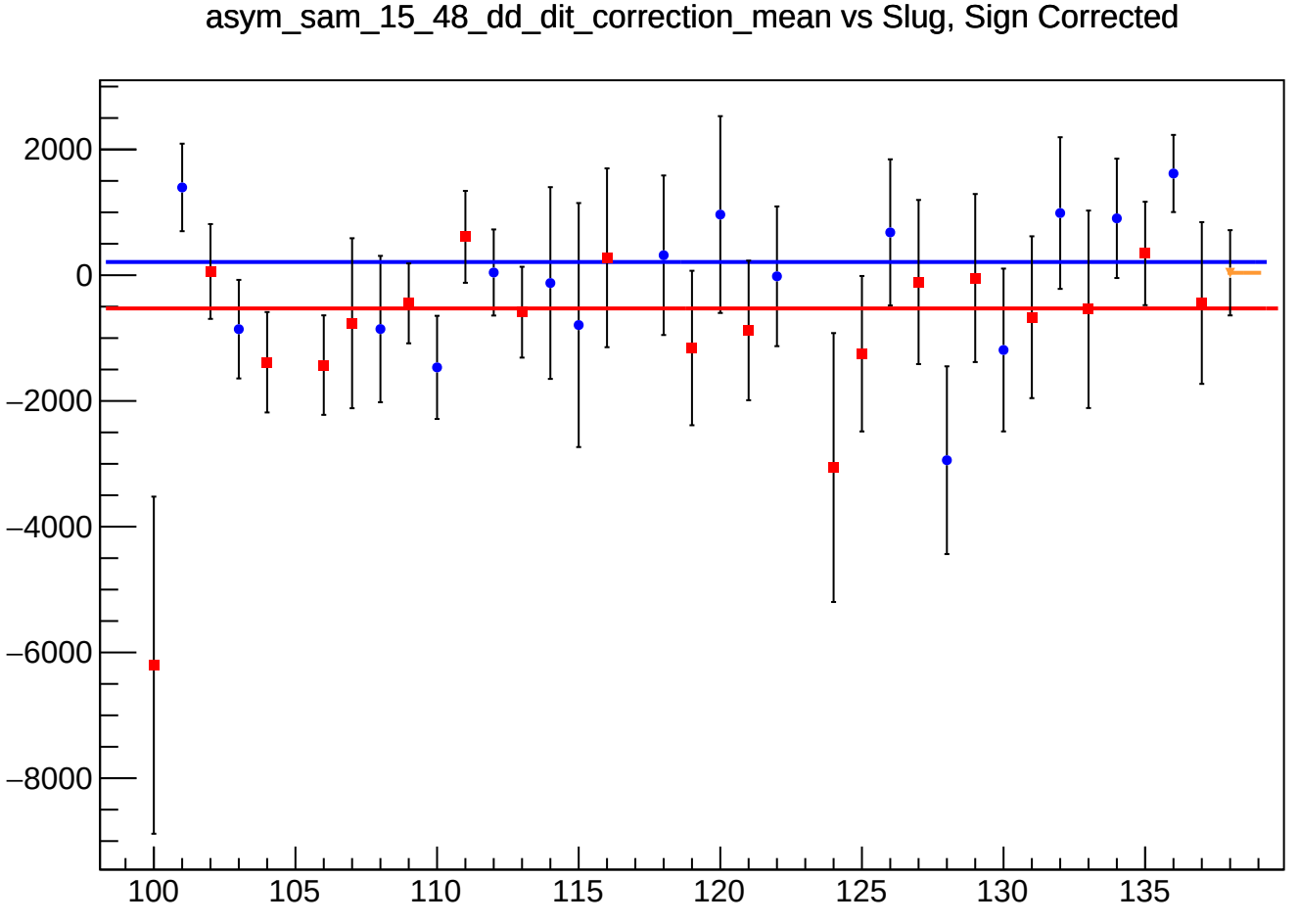
Left: 75.776+/-0.062 χ^2/NDF: 0.0/0

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 64.317+/-0.017 χ^2/NDF:464952.4/15

Out: 66.030+/-0.017 χ^2/NDF:345824.9/19

All: 65.211+/-0.012 χ^2/NDF: 815881.9/35



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 38.550+/-677.848 χ^2/NDF:0.0/0

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

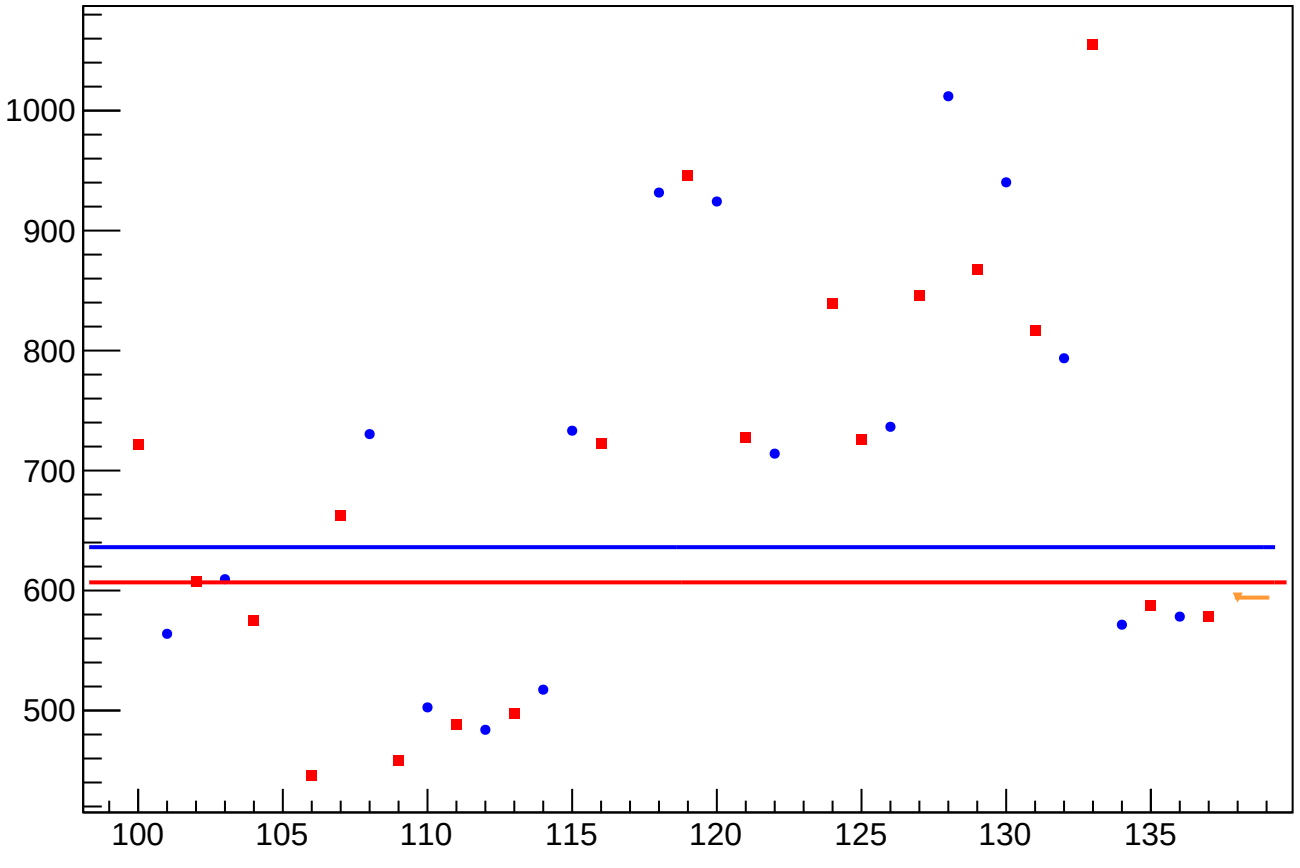
Left: 38.550+/-677.848 χ^2/NDF: 0.0/0

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 210.018+/-243.798 χ^2/NDF:22.4/15

Out: -470.259+/-217.531 χ^2/NDF:14.4/19

All: -168.729+/-162.313 χ^2/NDF: 41.2/35



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 594.116+/-0.479 χ^2/NDF:0.0/0

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

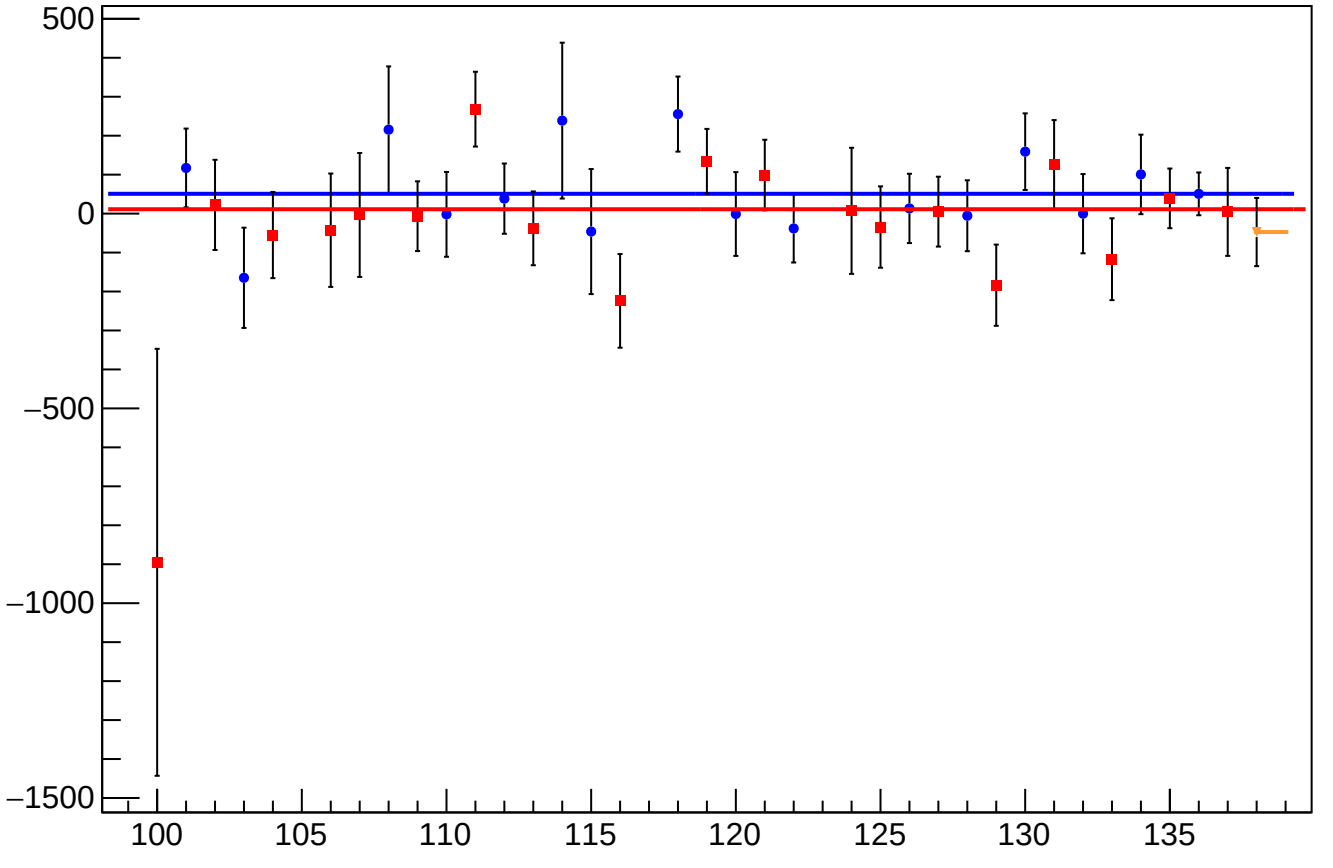
Left: 594.116+/-0.479 χ^2/NDF: 0.0/0

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 636.144+/-0.172 χ^2/NDF:705237.7/15

Out: 605.496+/-0.154 χ^2/NDF:894507.2/19

All: 619.081+/-0.115 χ^2/NDF: 1617341.9/35



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -47.290+/-87.567 χ^2/NDF:0.0/0

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

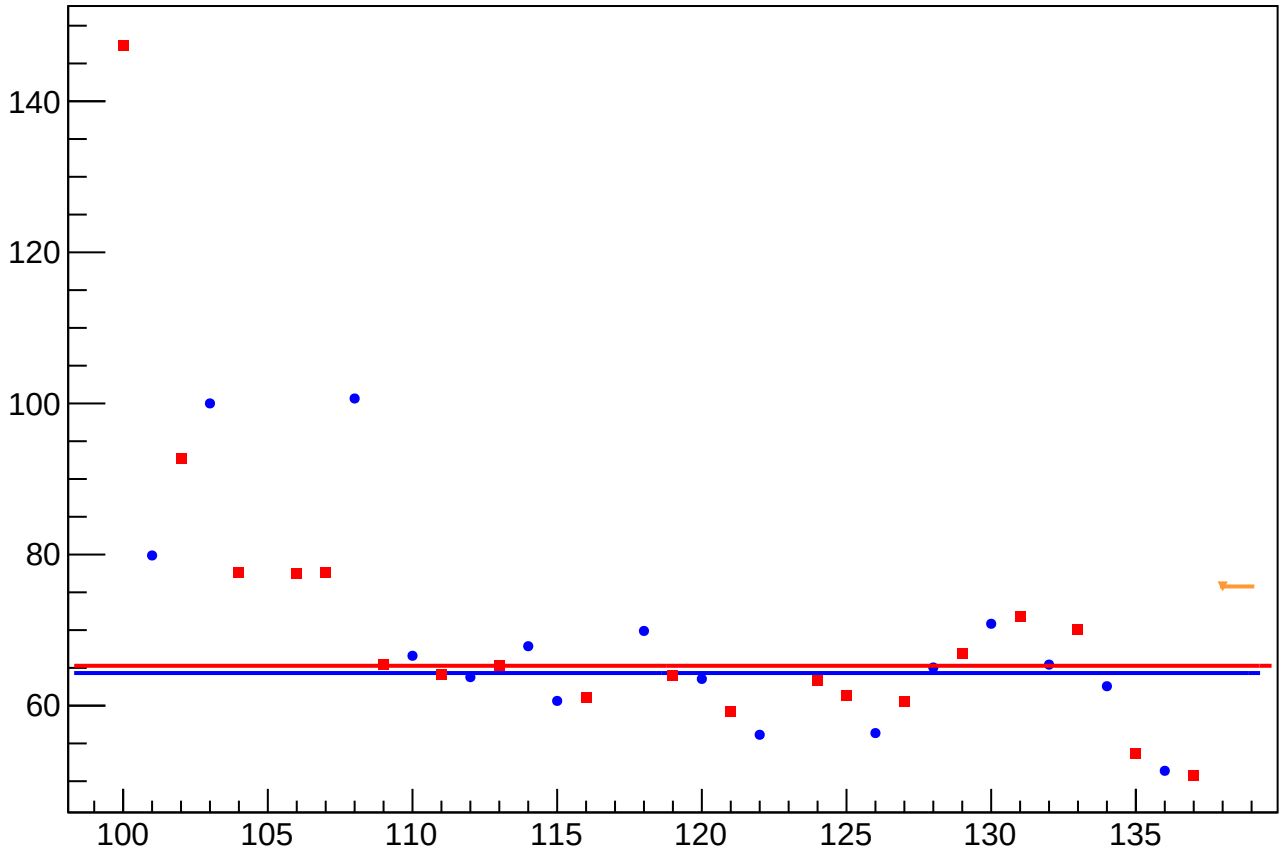
Left: -47.290+/-87.567 χ^2/NDF: 0.0/0

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 50.859+/-24.492 χ^2/NDF:13.8/15

Out: 7.067+/-23.437 χ^2/NDF:24.4/19

All: 27.999+/-16.933 χ^2/NDF: 39.9/35



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 75.775+/-0.062 χ^2/NDF:0.0/0

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 75.775+/-0.062 χ^2/NDF: 0.0/0

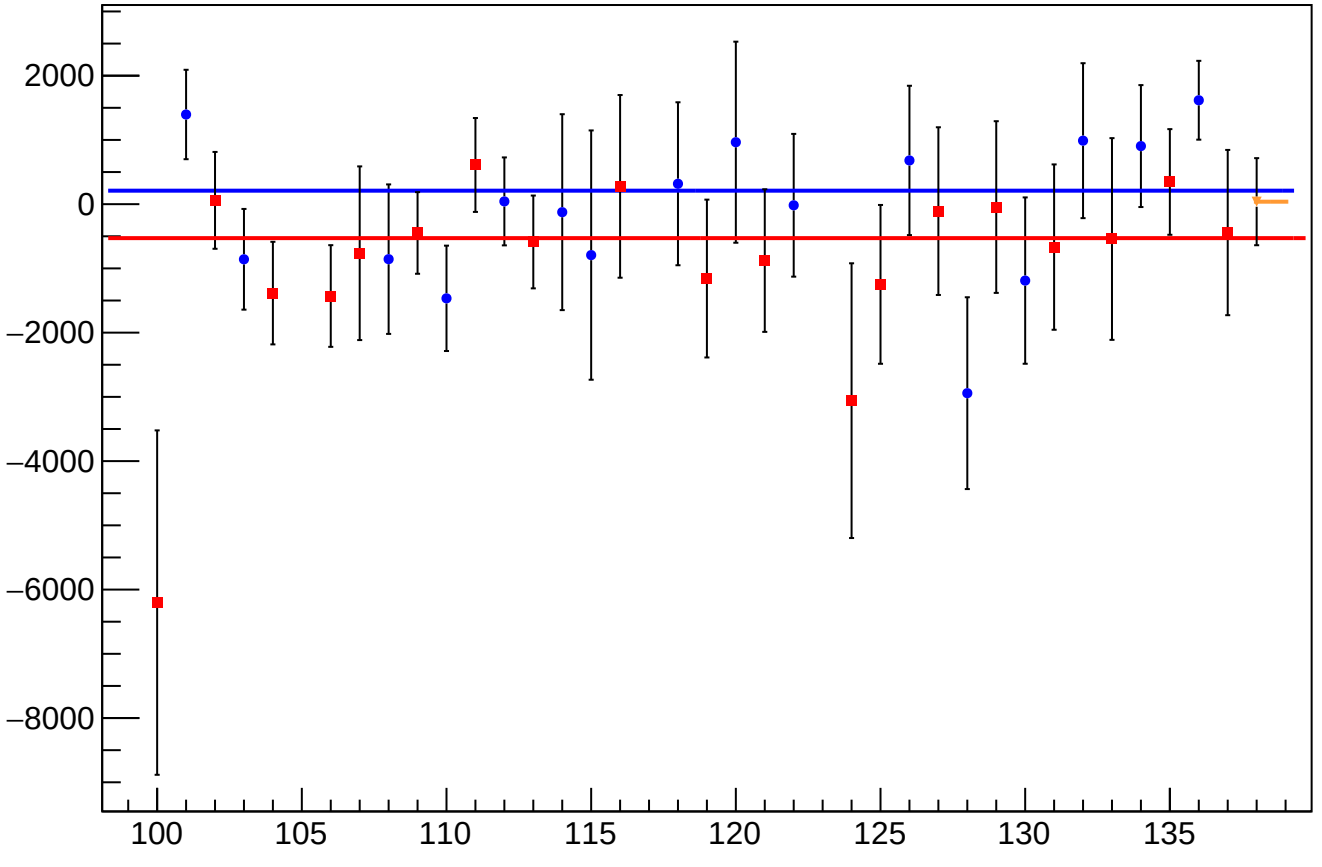
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 64.317+/-0.017 χ^2/NDF:464950.5/15

Out: 66.029+/-0.017 χ^2/NDF:345826.5/19

All: 65.211+/-0.012 χ^2/NDF: 815881.2/35

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 38.552+/-677.845 χ^2/NDF:0.0/0

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 38.552+/-677.845 χ^2/NDF: 0.0/0

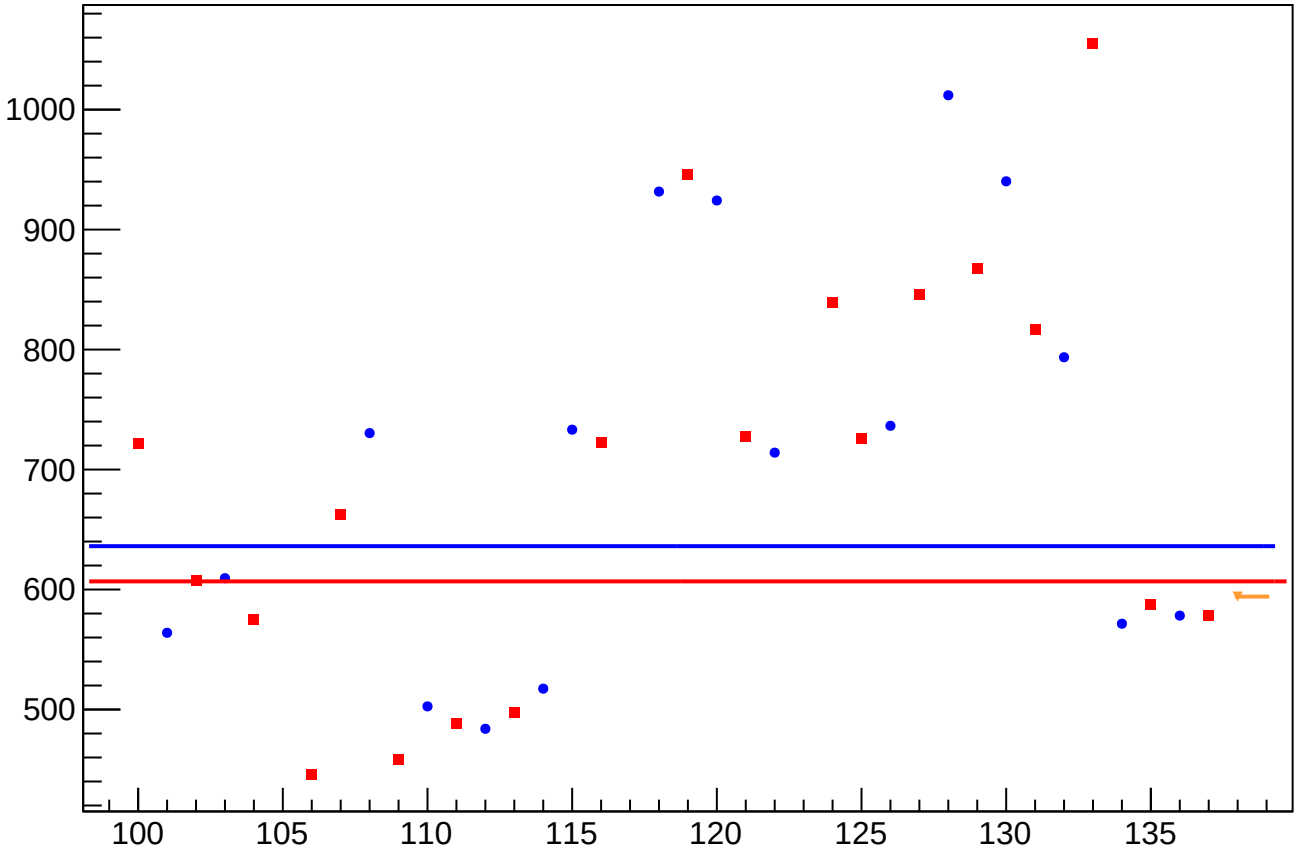
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 210.017+/-243.798 χ^2/NDF:22.4/15

Out: -470.258+/-217.530 χ^2/NDF:14.4/19

All: -168.729+/-162.312 χ^2/NDF: 41.2/35

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 594.113+/-0.479 χ^2/NDF:0.0/0

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

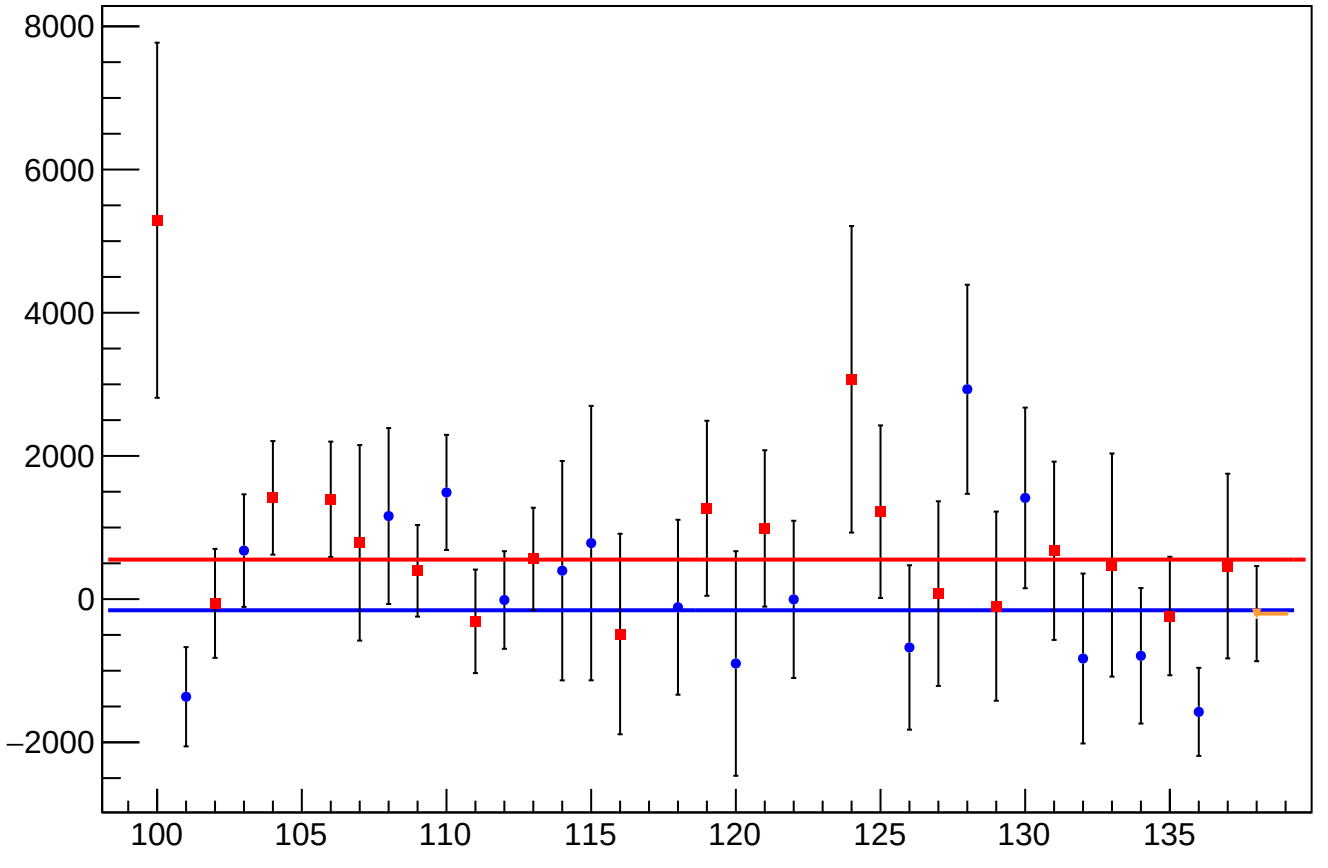
Left: 594.113+/-0.479 χ^2/NDF: 0.0/0

Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 636.144+/-0.172 χ^2/NDF:705241.1/15

Out: 605.495+/-0.154 χ^2/NDF:894509.5/19

All: 619.080+/-0.115 χ^2/NDF: 1617347.9/35



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -202.448+/-664.624 χ^2/NDF:0.0/0

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -202.448+/-664.624 χ^2/NDF: 0.0/0

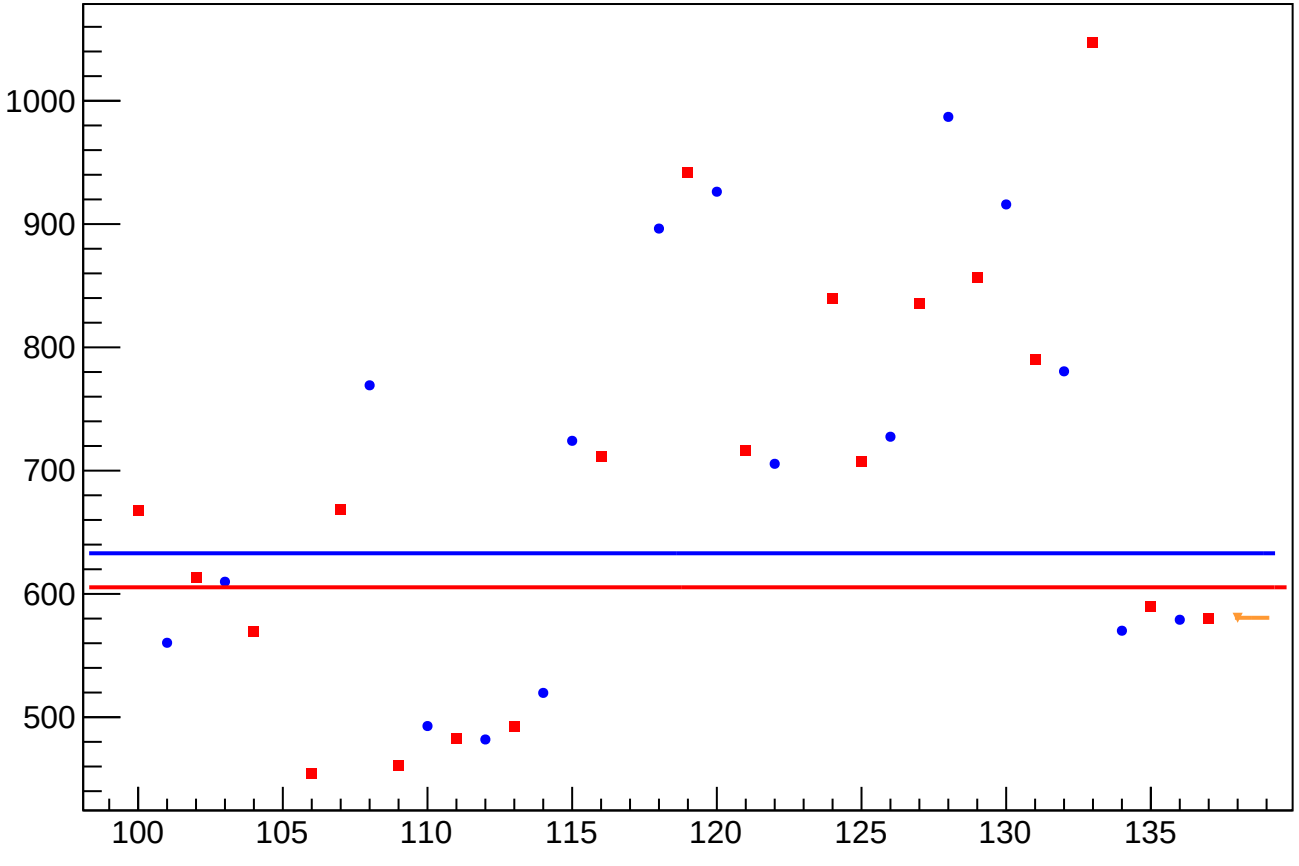
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: -155.651+/-242.595 χ^2/NDF:22.5/15

Out: 472.164+/-216.416 χ^2/NDF:13.3/19

All: 193.948+/-161.494 χ^2/NDF: 39.5/35

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 580.645+/-0.470 χ^2/NDF:0.0/0

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

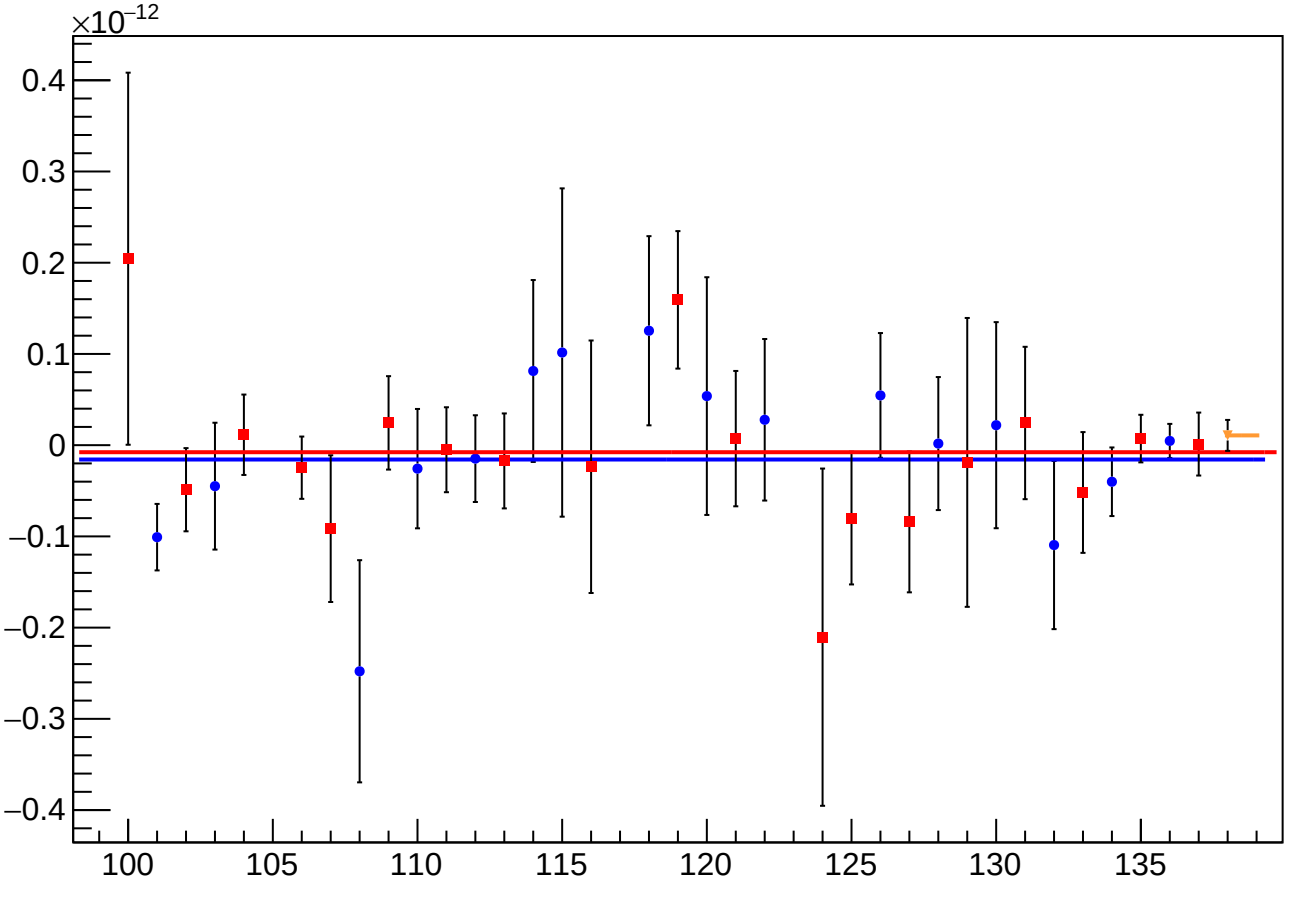
Left: 580.645+/-0.470 χ^2/NDF: 0.0/0

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 632.966+/-0.172 χ^2/NDF:681138.4/15

Out: 602.751+/-0.153 χ^2/NDF:856469.2/19

All: 616.141+/-0.114 χ^2/NDF: 1554883.8/35



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

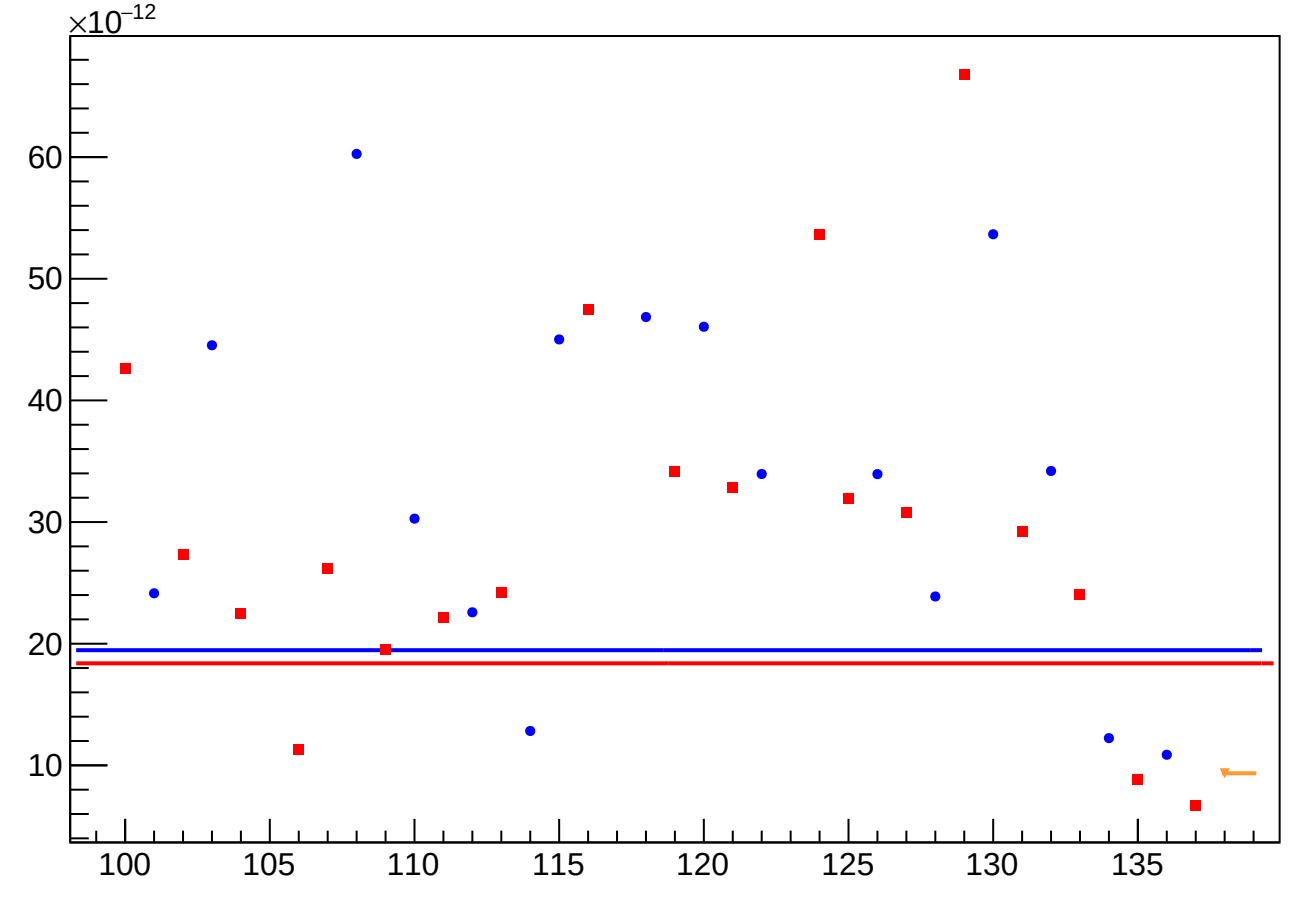
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: -0.000+/-0.000 χ^2/NDF:16.9/15

Out: -0.000+/-0.000 χ^2/NDF:13.7/19

All: -0.000+/-0.000 χ^2/NDF: 31.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

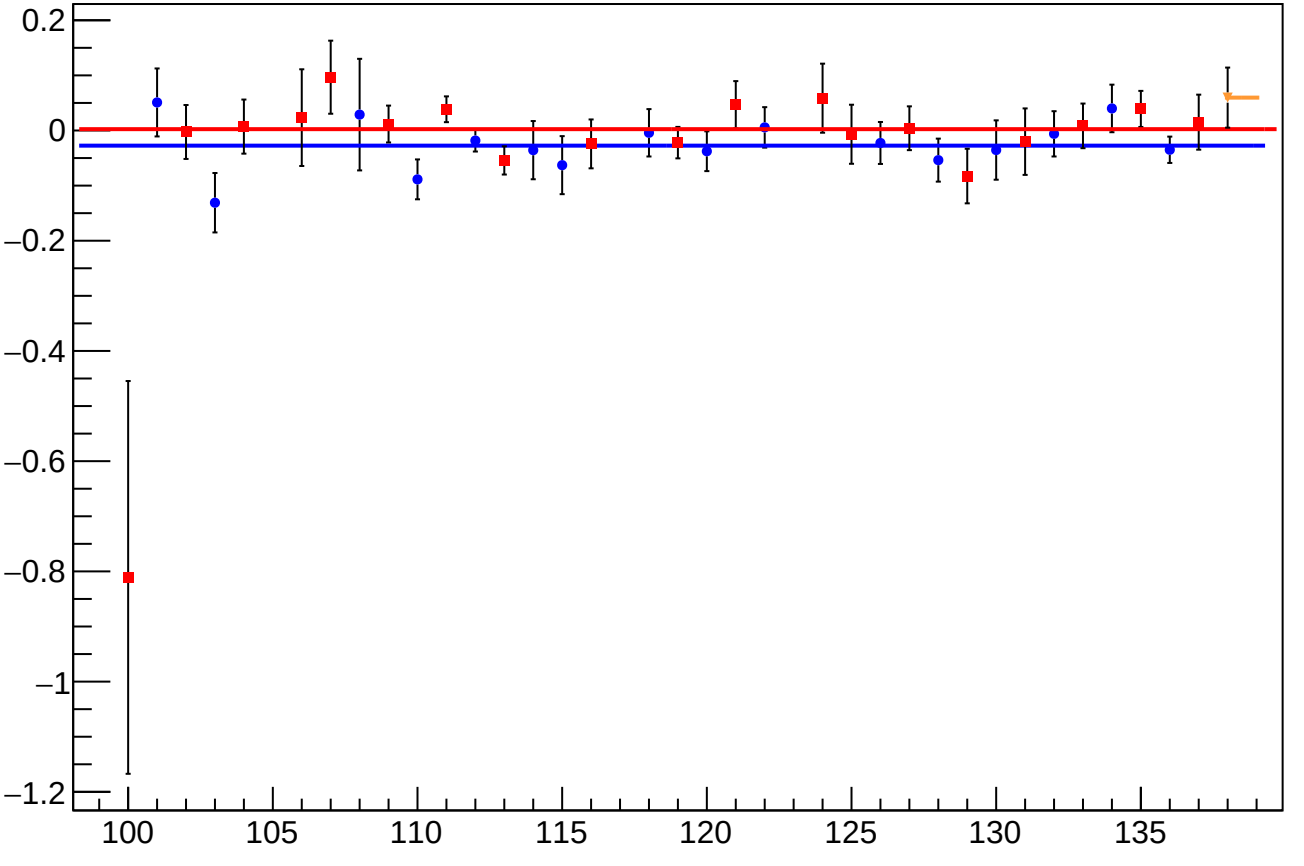
Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:1735565.5/15

Out: 0.000+/-0.000 χ^2/NDF:1819958.3/19

All: 0.000+/-0.000 χ^2/NDF: 3689668.3/35

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: 0.060+/-0.055 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

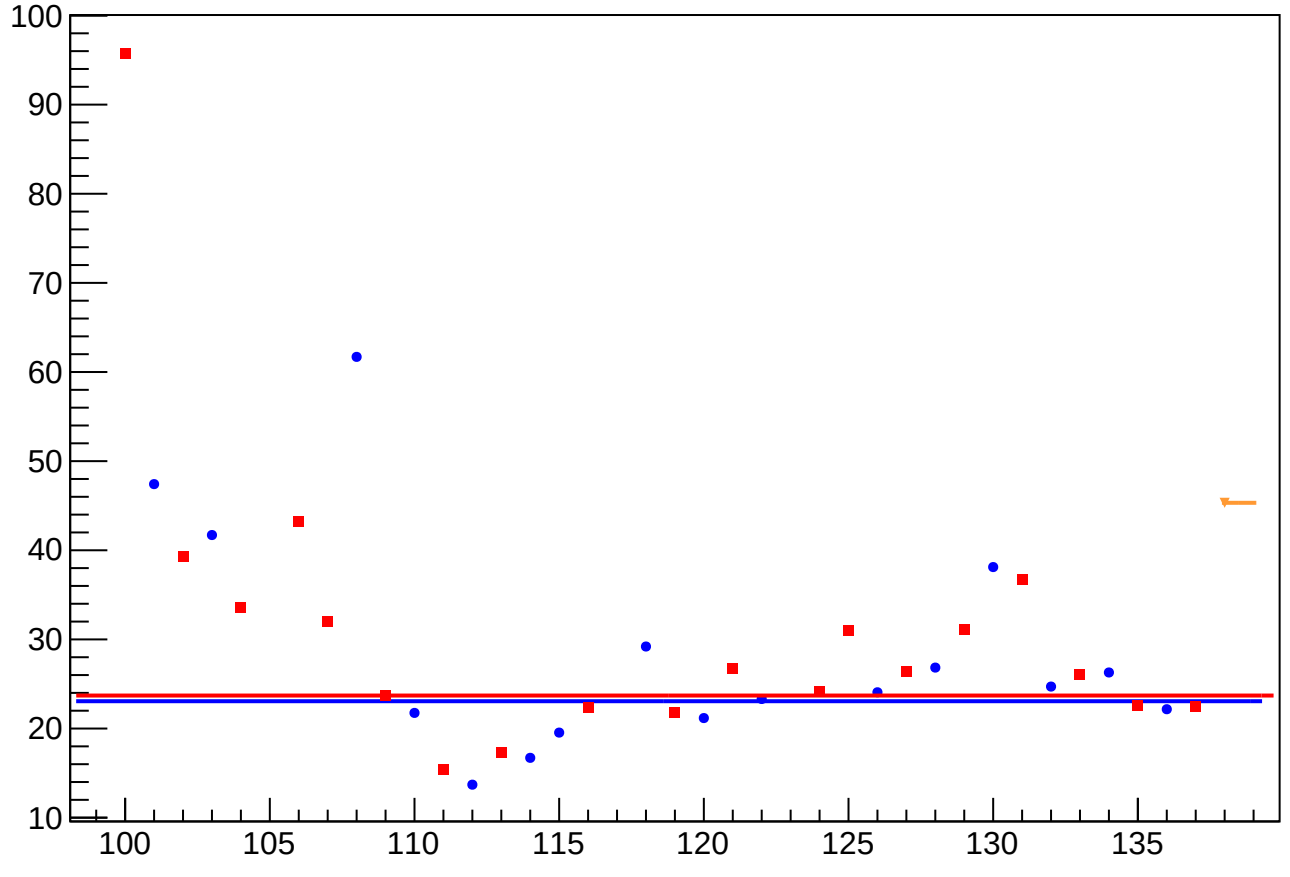
Left: 0.060+/-0.055 χ^2/NDF: 0.0/0

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.027+/-0.009 χ^2/NDF:13.7/15

Out: 0.004+/-0.009 χ^2/NDF:23.2/19

All: -0.011+/-0.007 χ^2/NDF: 42.6/35



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 45.326+/-0.039 χ^2/NDF:0.0/0

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

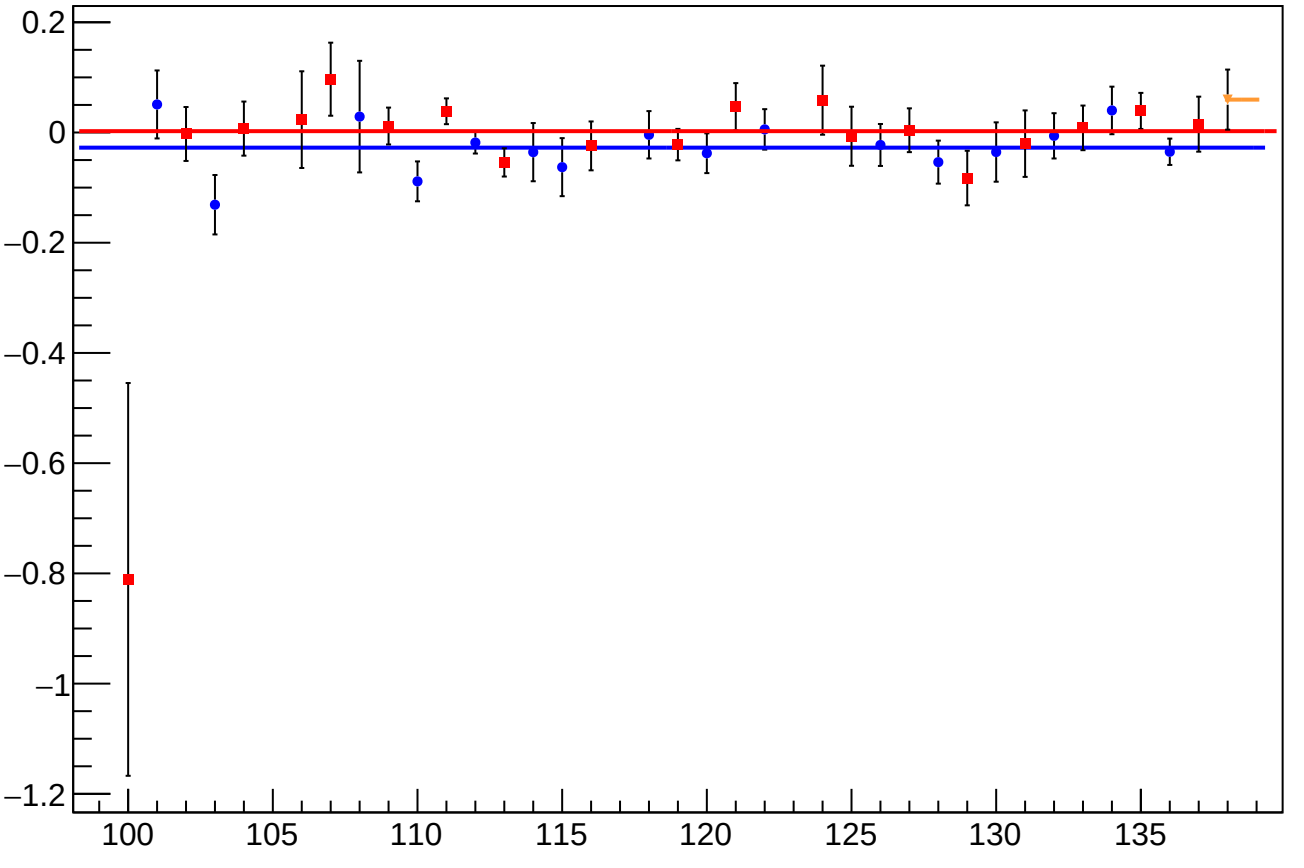
Left: 45.326+/-0.039 χ^2/NDF: 0.0/0

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 23.066+/-0.007 χ^2/NDF:1564478.6/15

Out: 24.313+/-0.006 χ^2/NDF:1394434.7/19

All: 23.705+/-0.005 χ^2/NDF: 2976993.1/35



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.060+/-0.055 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

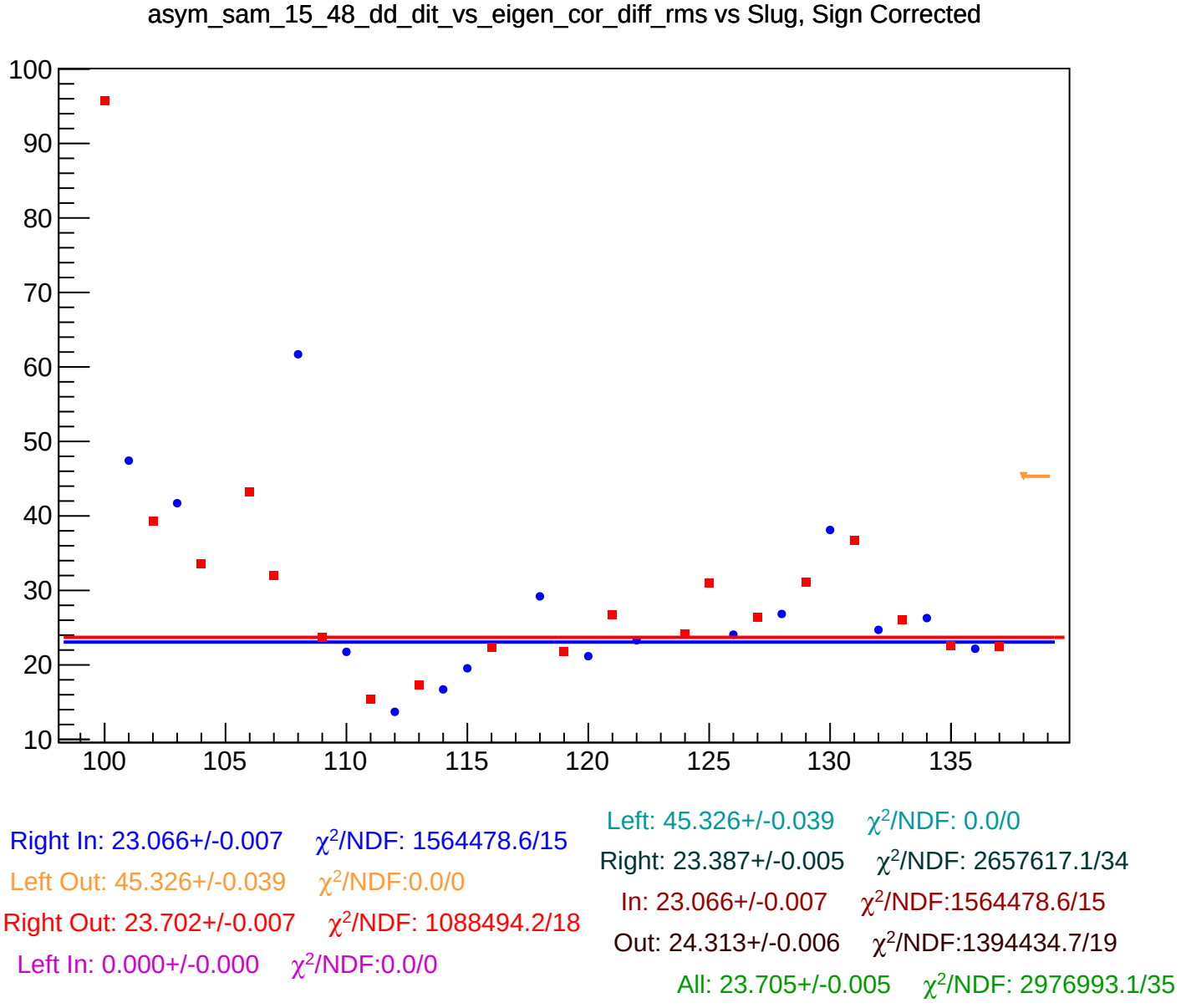
Left: 0.060+/-0.055 χ^2/NDF: 0.0/0

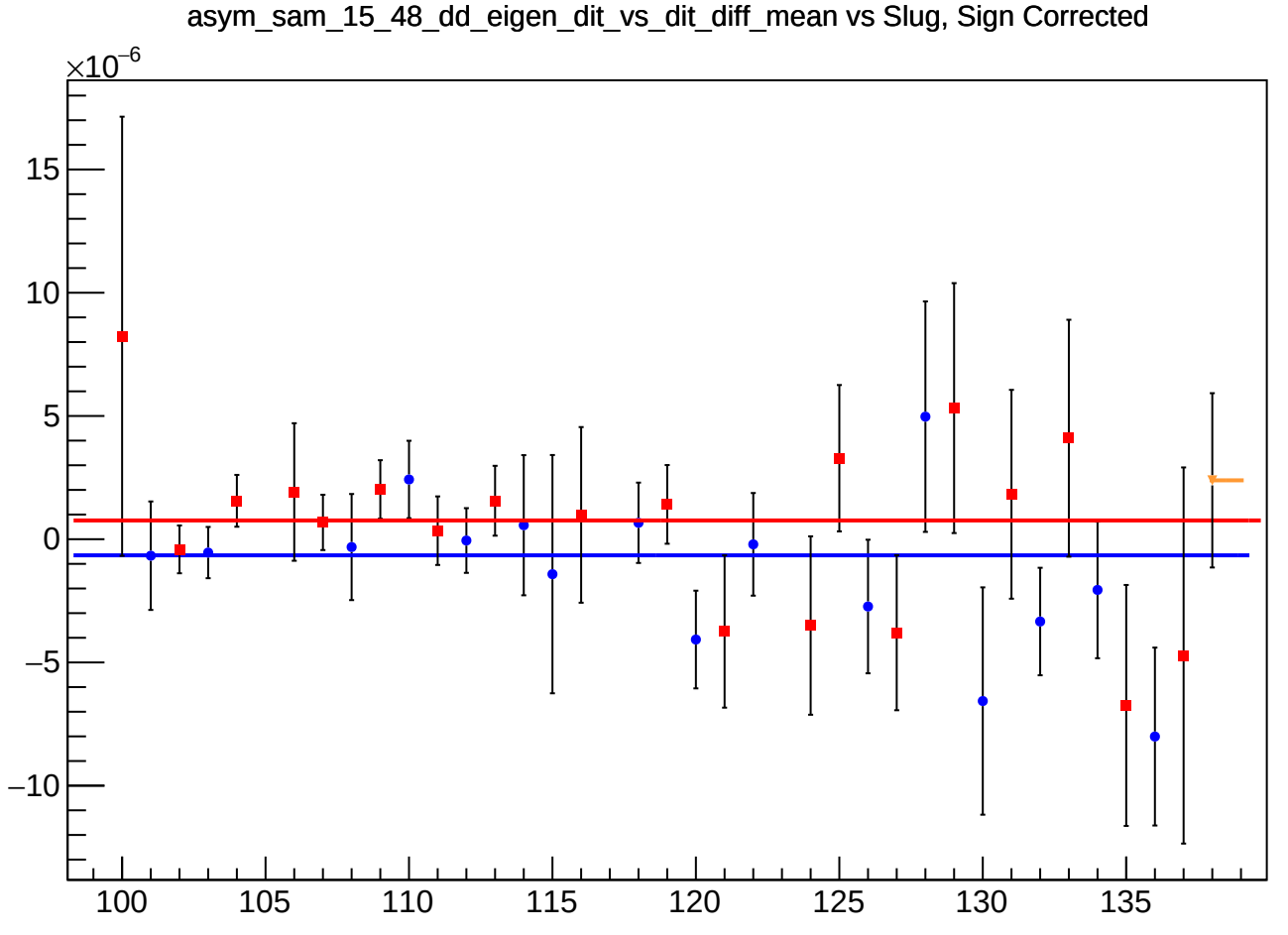
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.027+/-0.009 χ^2/NDF:13.7/15

Out: 0.004+/-0.009 χ^2/NDF:23.2/19

All: -0.011+/-0.007 χ^2/NDF: 42.6/35


asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
Right In: 23.066+/-0.007 χ²/NDF: 1564478.6/15
Left Out: 45.326+/-0.039 χ²/NDF:0.0/0
Right Out: 23.702+/-0.007 χ²/NDF: 1088494.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 45.326+/-0.039 χ²/NDF: 0.0/0
Right: 23.387+/-0.005 χ²/NDF: 2657617.1/34
In: 23.066+/-0.007 χ²/NDF:1564478.6/15
Out: 24.313+/-0.006 χ²/NDF:1394434.7/19
All: 23.705+/-0.005 χ²/NDF: 2976993.1/35



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

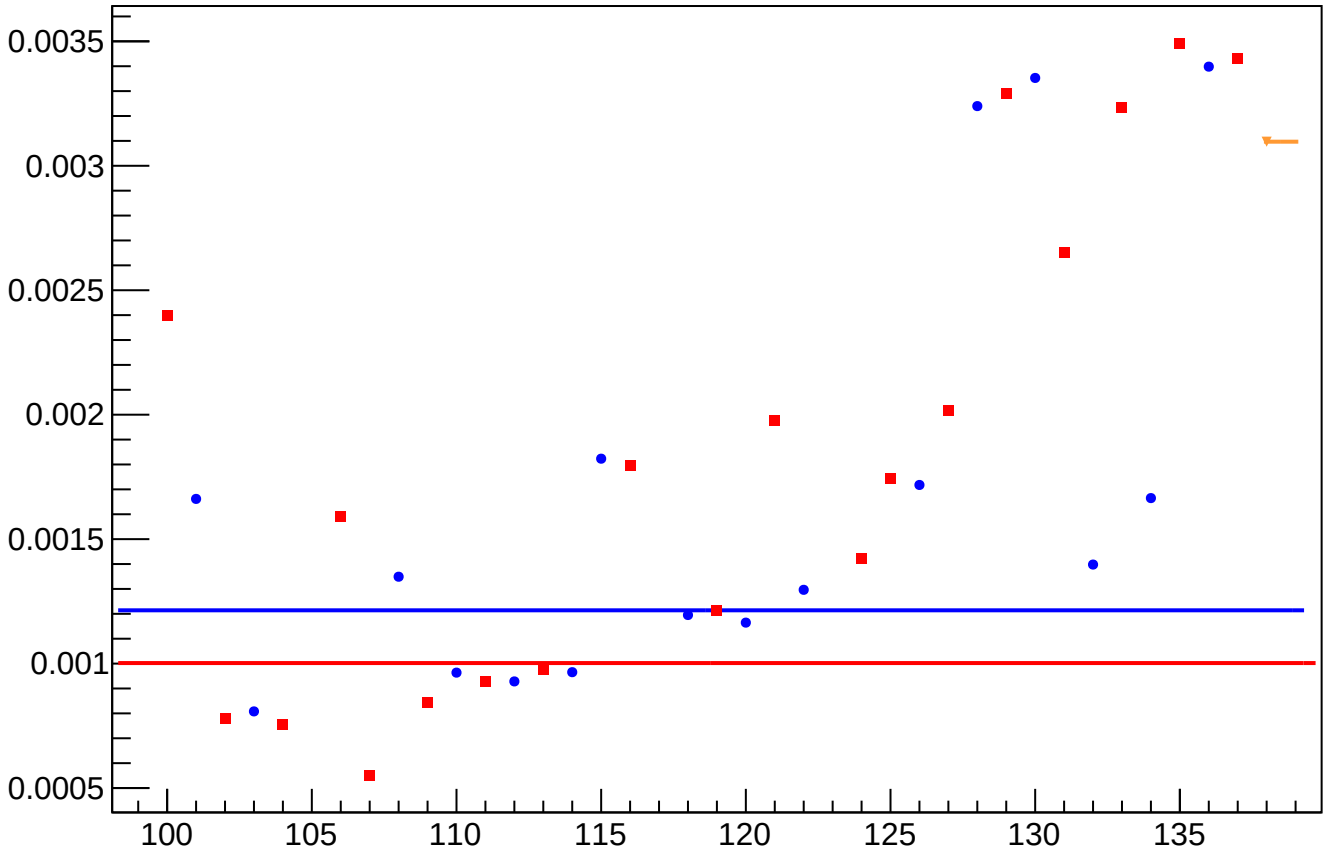
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:17.6/15

Out: 0.000+/-0.000 χ^2/NDF:15.4/19

All: 0.000+/-0.000 χ^2/NDF: 37.8/35



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

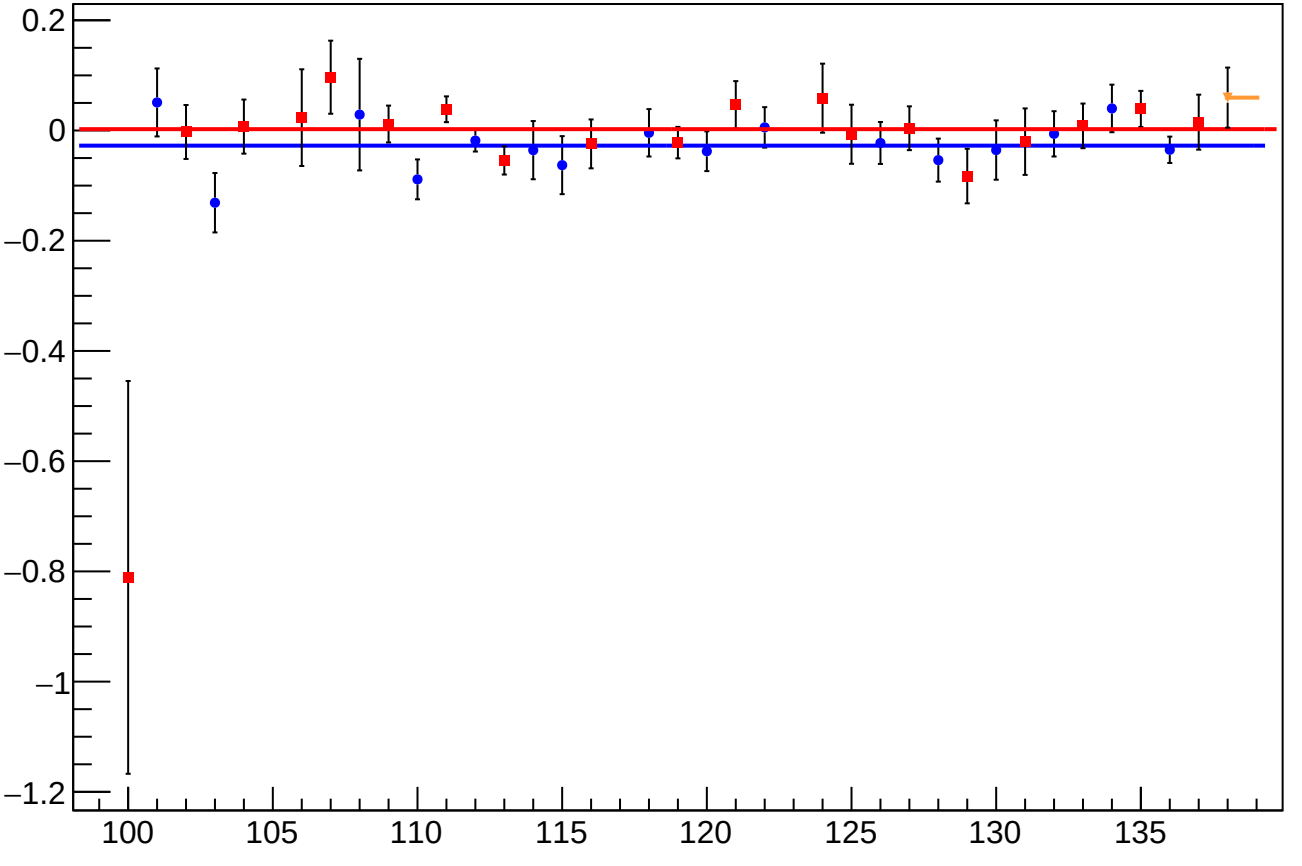
Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:2267402.2/15

Out: 0.001+/-0.000 χ^2/NDF:3969329.7/19

All: 0.001+/-0.000 χ^2/NDF: 6394984.1/35

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: 0.060+/-0.054 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.060+/-0.054 χ^2/NDF: 0.0/0

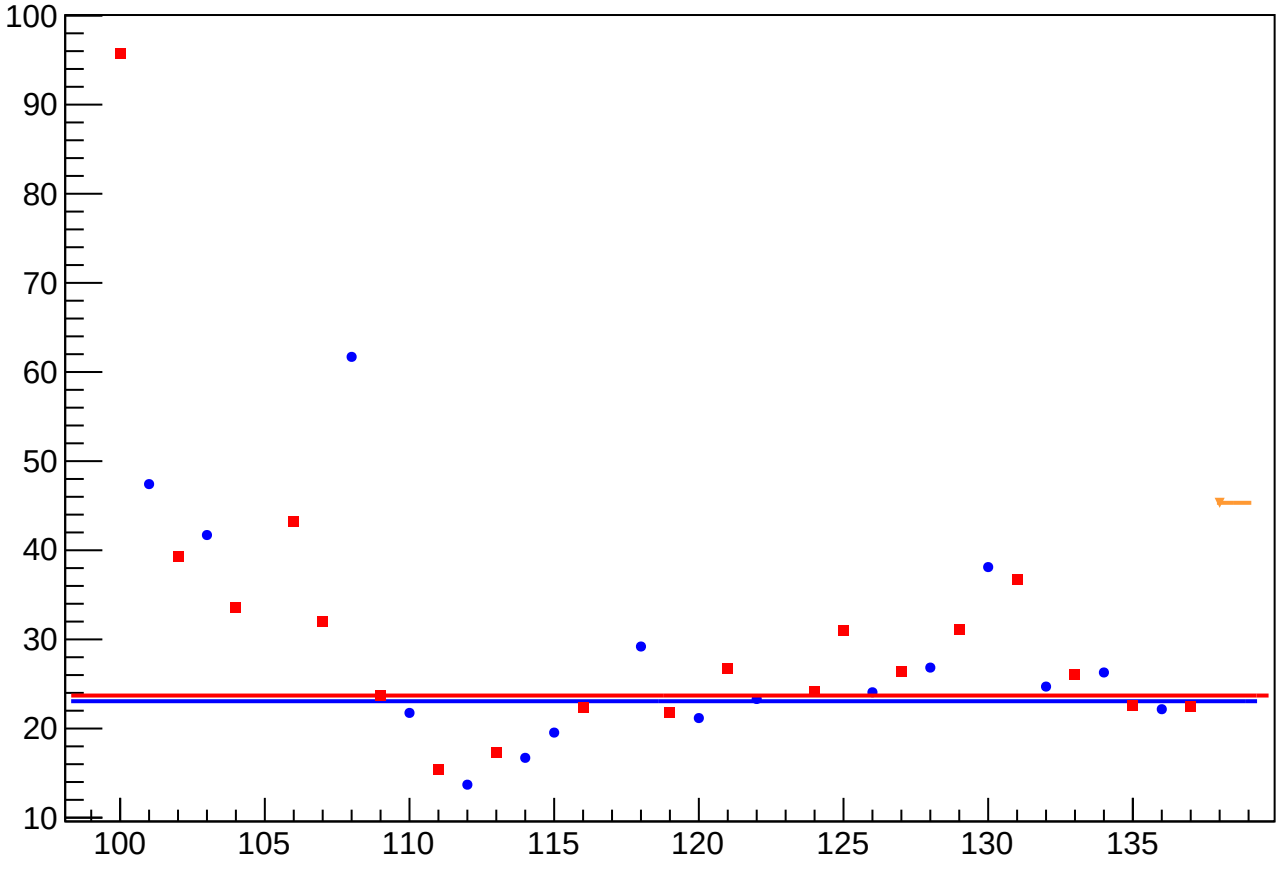
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.027+/-0.009 χ^2/NDF:13.7/15

Out: 0.004+/-0.009 χ^2/NDF:23.2/19

All: -0.011+/-0.007 χ^2/NDF: 42.6/35

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 45.325+/-0.039 χ^2/NDF:0.0/0

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 45.325+/-0.039 χ^2/NDF: 0.0/0

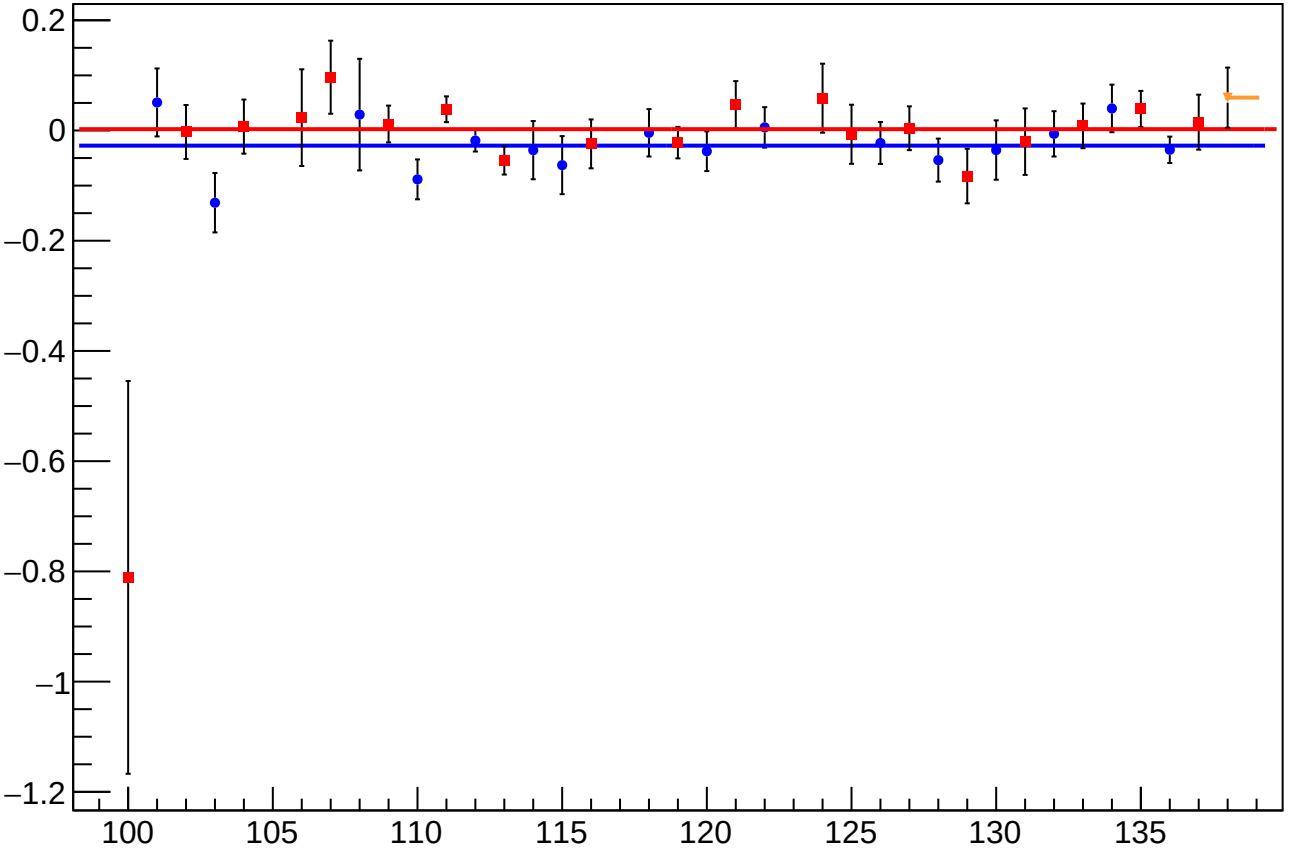
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 23.065+/-0.007 χ^2/NDF:1564493.0/15

Out: 24.313+/-0.006 χ^2/NDF:1394458.4/19

All: 23.705+/-0.005 χ^2/NDF: 2977029.9/35

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.060+/-0.054 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.060+/-0.054 χ^2/NDF: 0.0/0

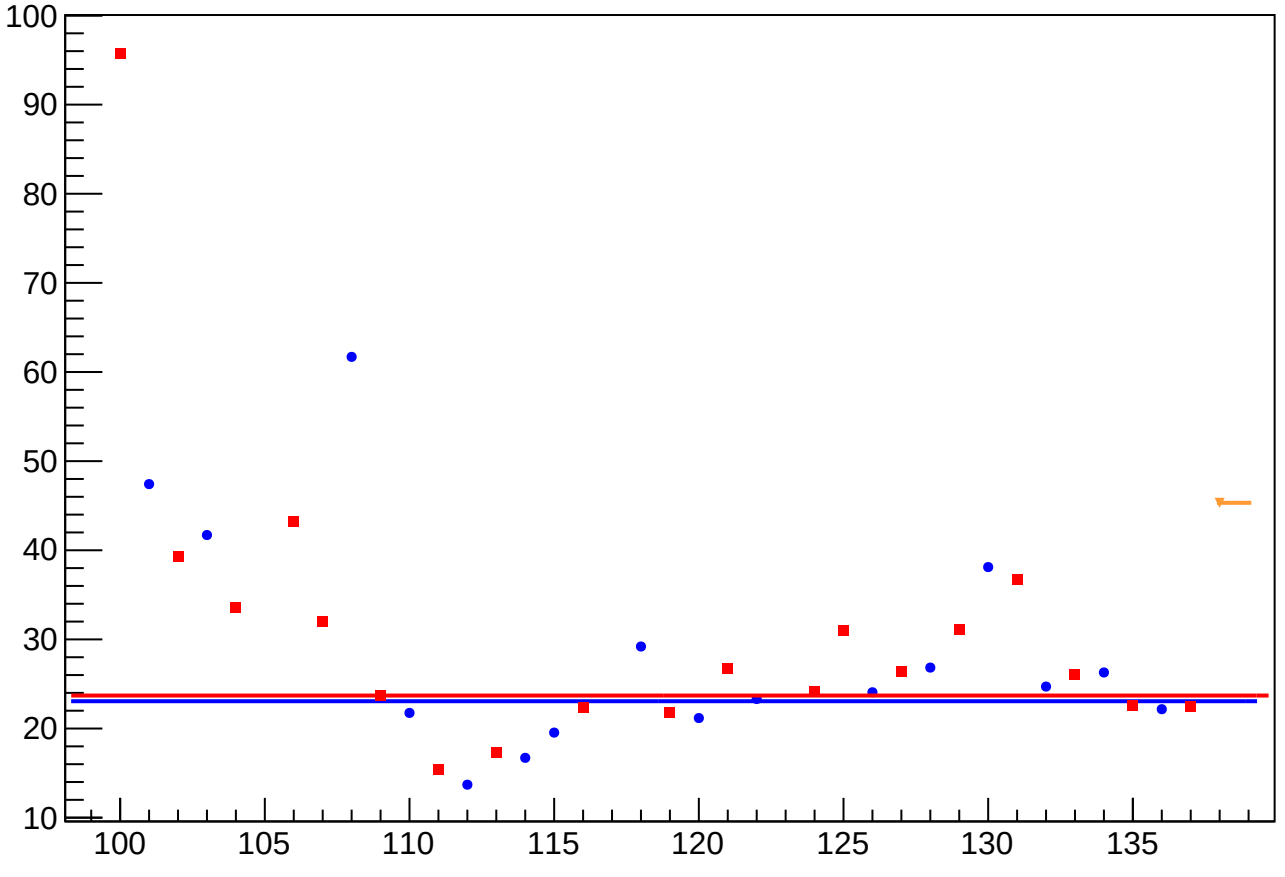
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.027+/-0.009 χ^2/NDF:13.7/15

Out: 0.004+/-0.009 χ^2/NDF:23.2/19

All: -0.011+/-0.007 χ^2/NDF: 42.6/35

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 45.325+/-0.039 χ^2/NDF:0.0/0

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

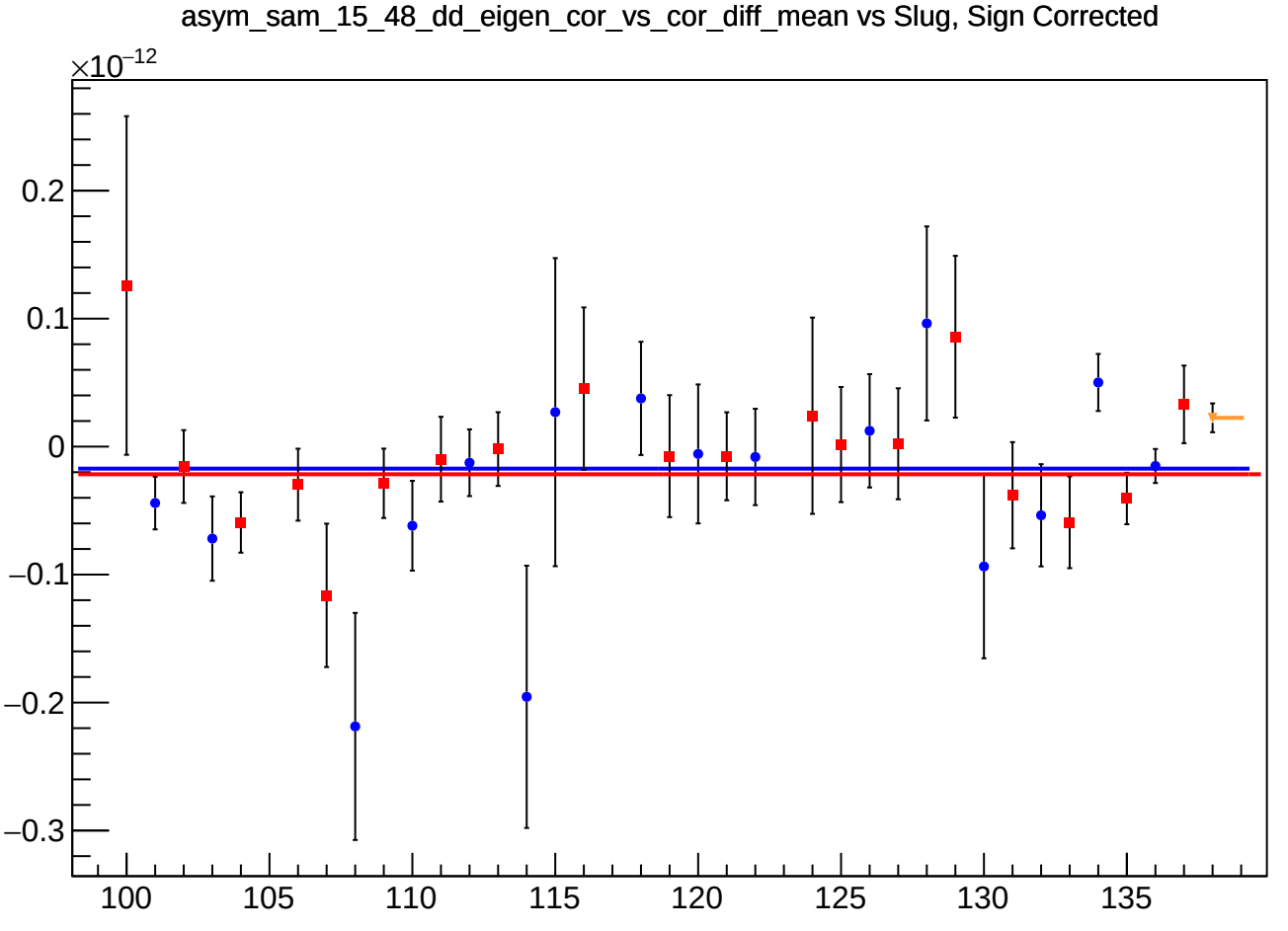
Left: 45.325+/-0.039 χ^2/NDF: 0.0/0

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 23.065+/-0.007 χ^2/NDF:1564493.0/15

Out: 24.313+/-0.006 χ^2/NDF:1394458.4/19

All: 23.705+/-0.005 χ^2/NDF: 2977029.9/35



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

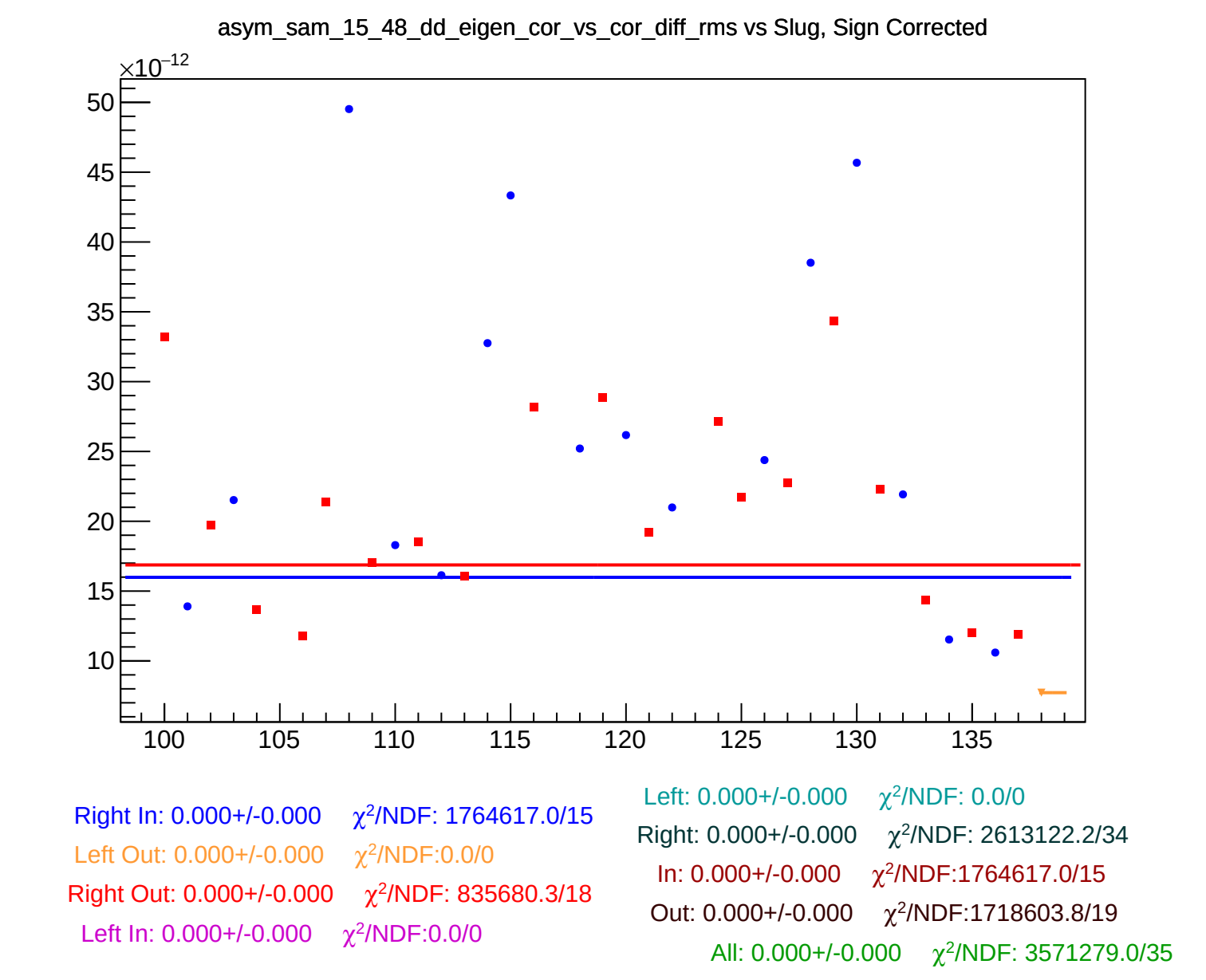
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

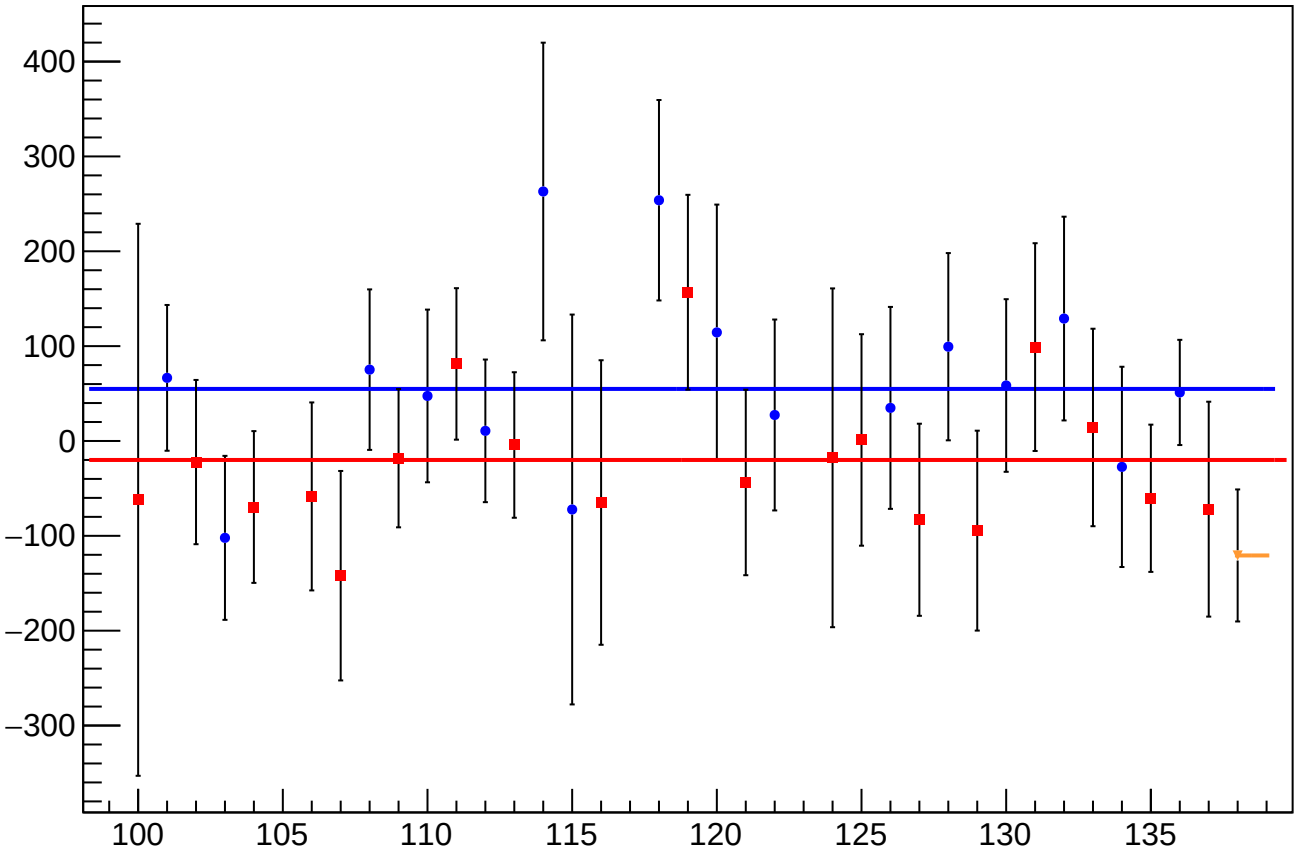
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:29.9/15

Out: -0.000+/-0.000 χ^2/NDF:28.3/19

All: -0.000+/-0.000 χ^2/NDF: 59.1/35


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
45
40
35
30
25
20
15
10
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:1764617.0/15
Out: 0.000+/-0.000 χ²/NDF:1718603.8/19
All: 0.000+/-0.000 χ²/NDF: 3571279.0/35



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -120.694+/-69.606 χ^2/NDF:0.0/0

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

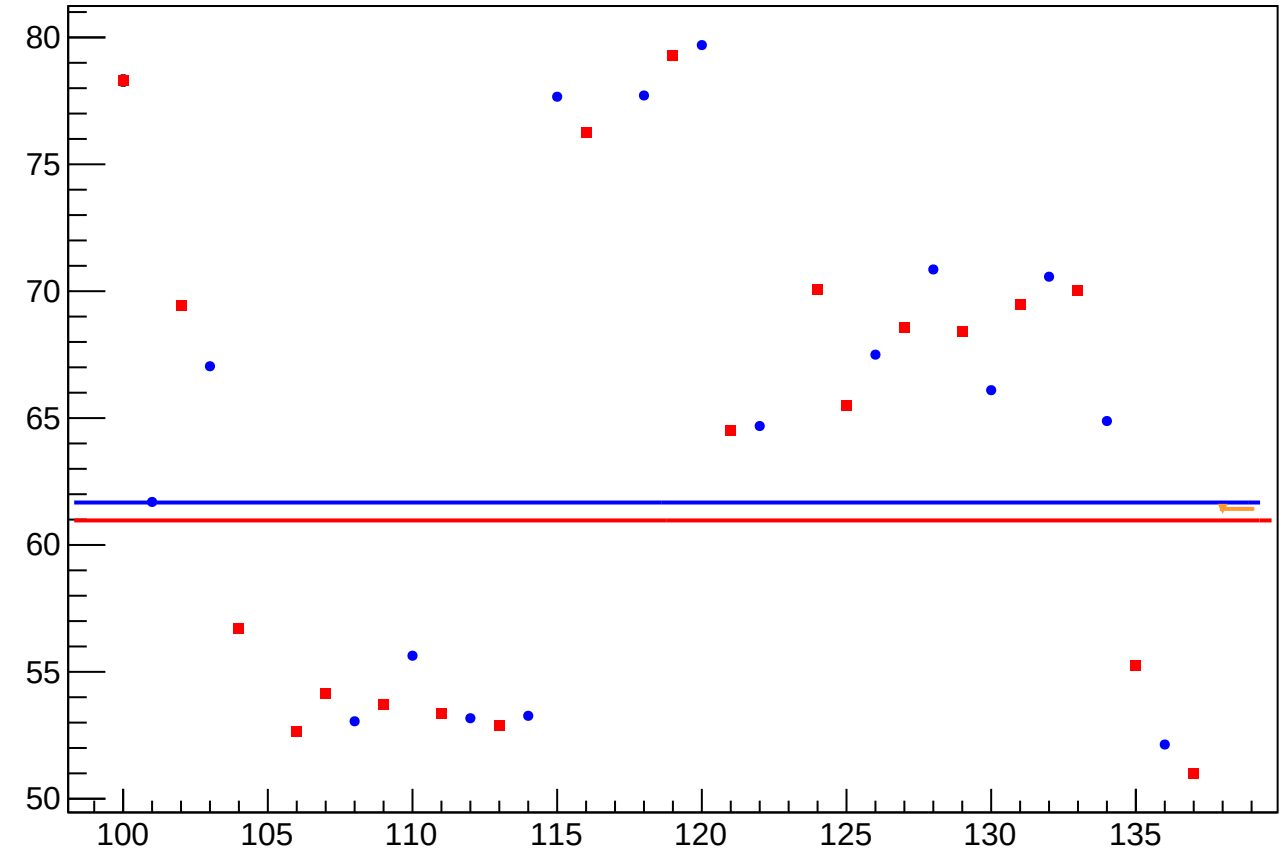
Left: -120.694+/-69.606 χ^2/NDF: 0.0/0

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 54.883+/-23.179 χ^2/NDF:11.0/15

Out: -29.599+/-21.470 χ^2/NDF:11.1/19

All: 9.415+/-15.751 χ^2/NDF: 29.3/35



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.422+/-0.049 χ^2/NDF:0.0/0

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

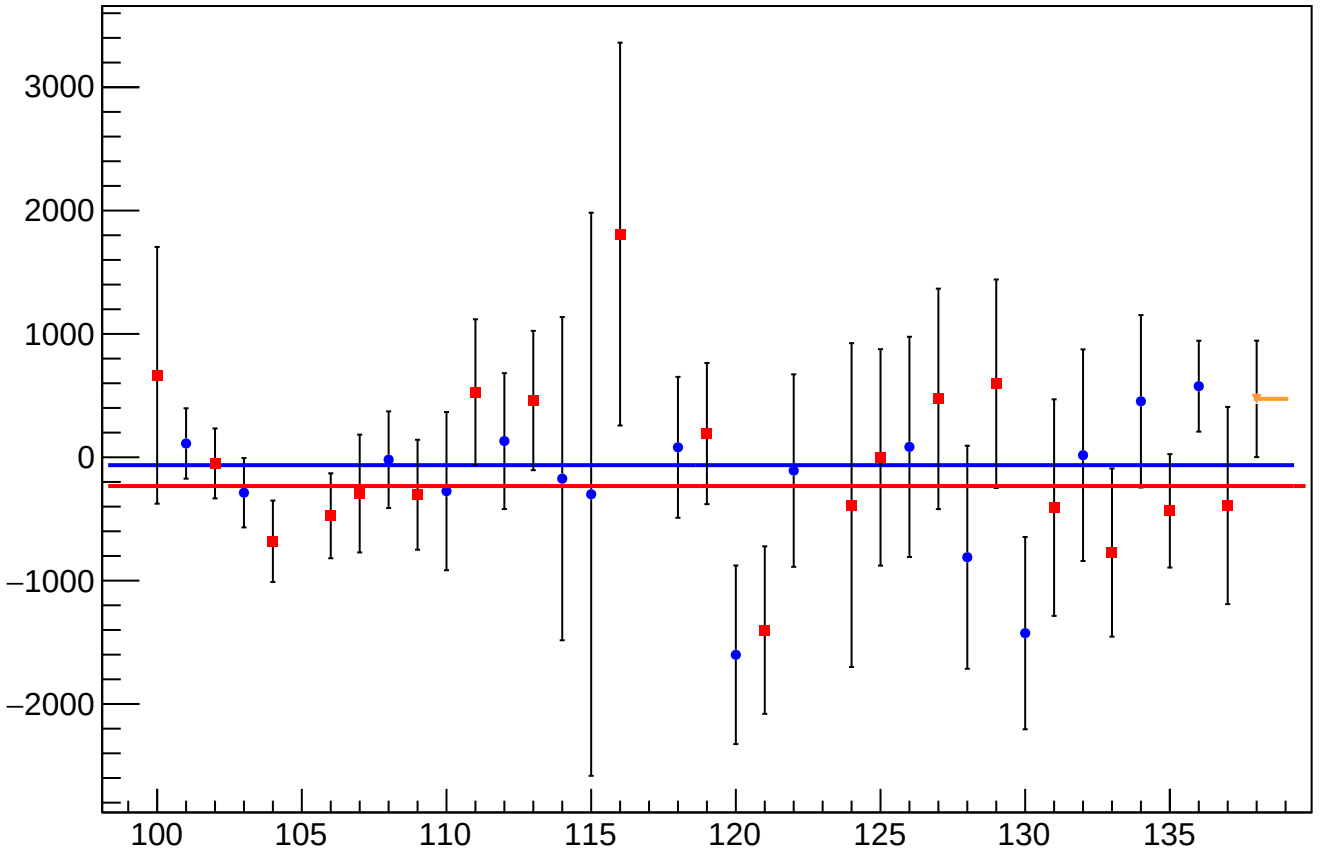
Left: 61.422+/-0.049 χ^2/NDF: 0.0/0

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.673+/-0.016 χ^2/NDF:267108.1/15

Out: 61.010+/-0.015 χ^2/NDF:284260.7/19

All: 61.316+/-0.011 χ^2/NDF: 552249.8/35



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 473.556+/-471.976 χ^2/NDF:0.0/0

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

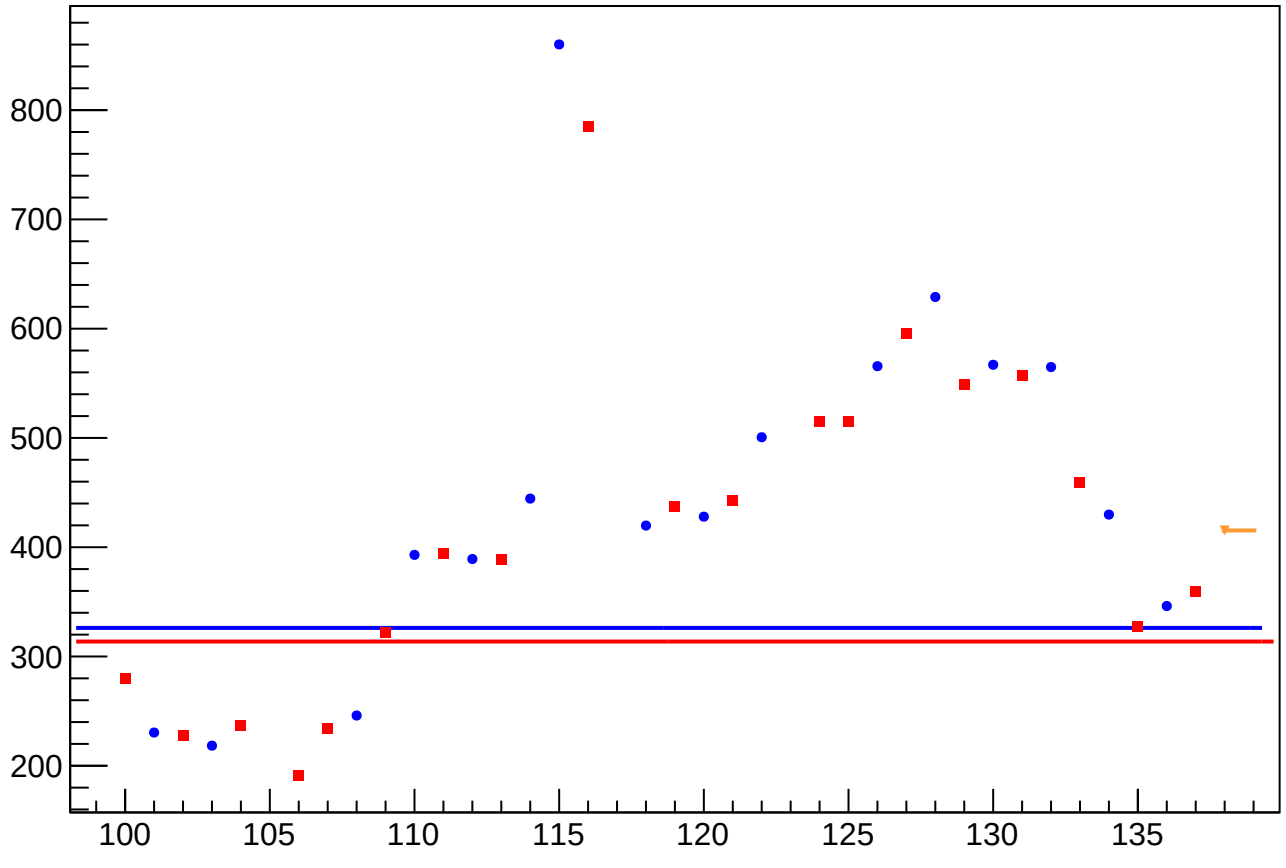
Left: 473.556+/-471.976 χ^2/NDF: 0.0/0

Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -63.834+/-129.674 χ^2/NDF:13.2/15

Out: -188.401+/-118.835 χ^2/NDF:16.6/19

All: -131.541+/-87.611 χ^2/NDF: 30.3/35



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 415.329+/-0.334 χ^2/NDF:0.0/0

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

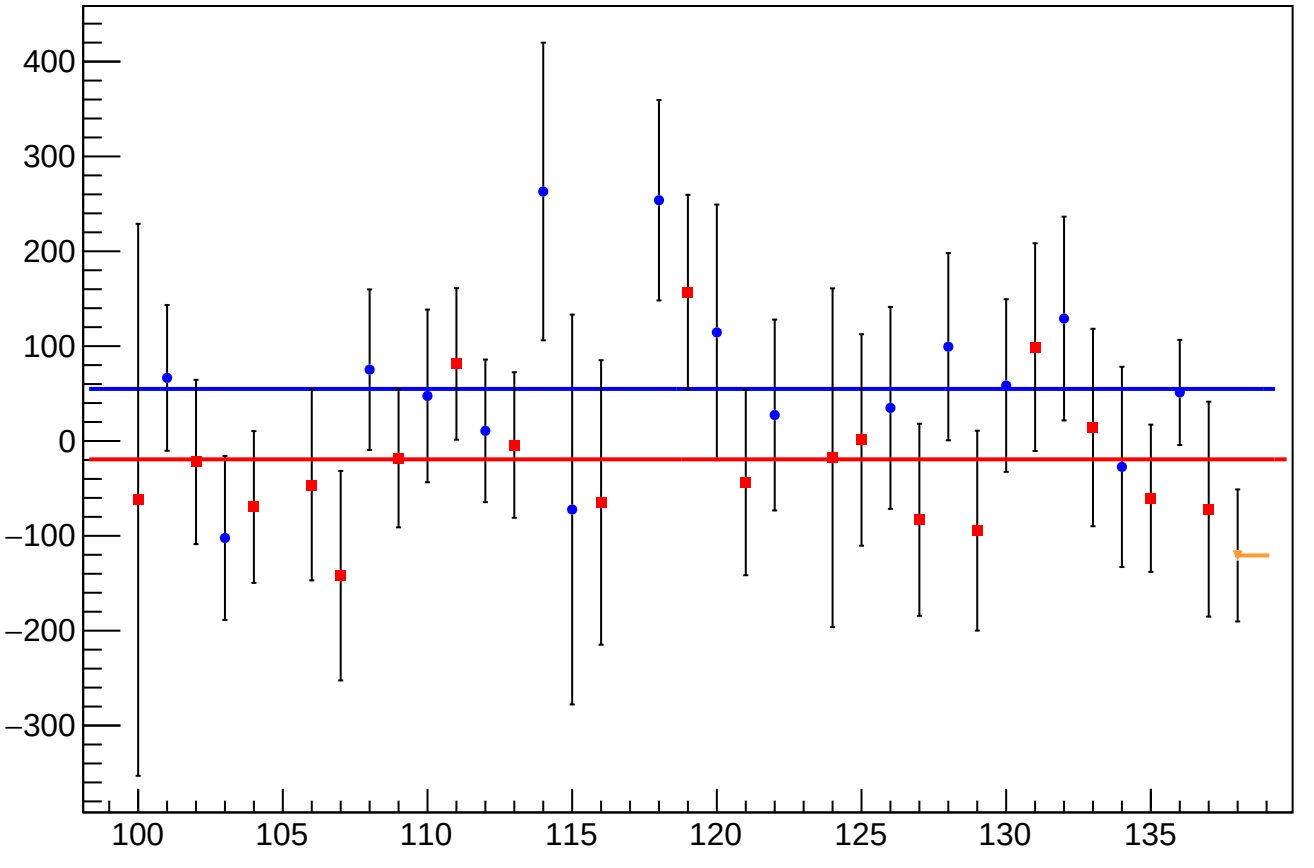
Left: 415.329+/-0.334 χ^2/NDF: 0.0/0

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 326.147+/-0.092 χ^2/NDF:1733995.5/15

Out: 320.117+/-0.084 χ^2/NDF:1874247.9/19

All: 322.869+/-0.062 χ^2/NDF: 3610594.7/35



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -120.688+/-69.606 χ^2/NDF:0.0/0

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

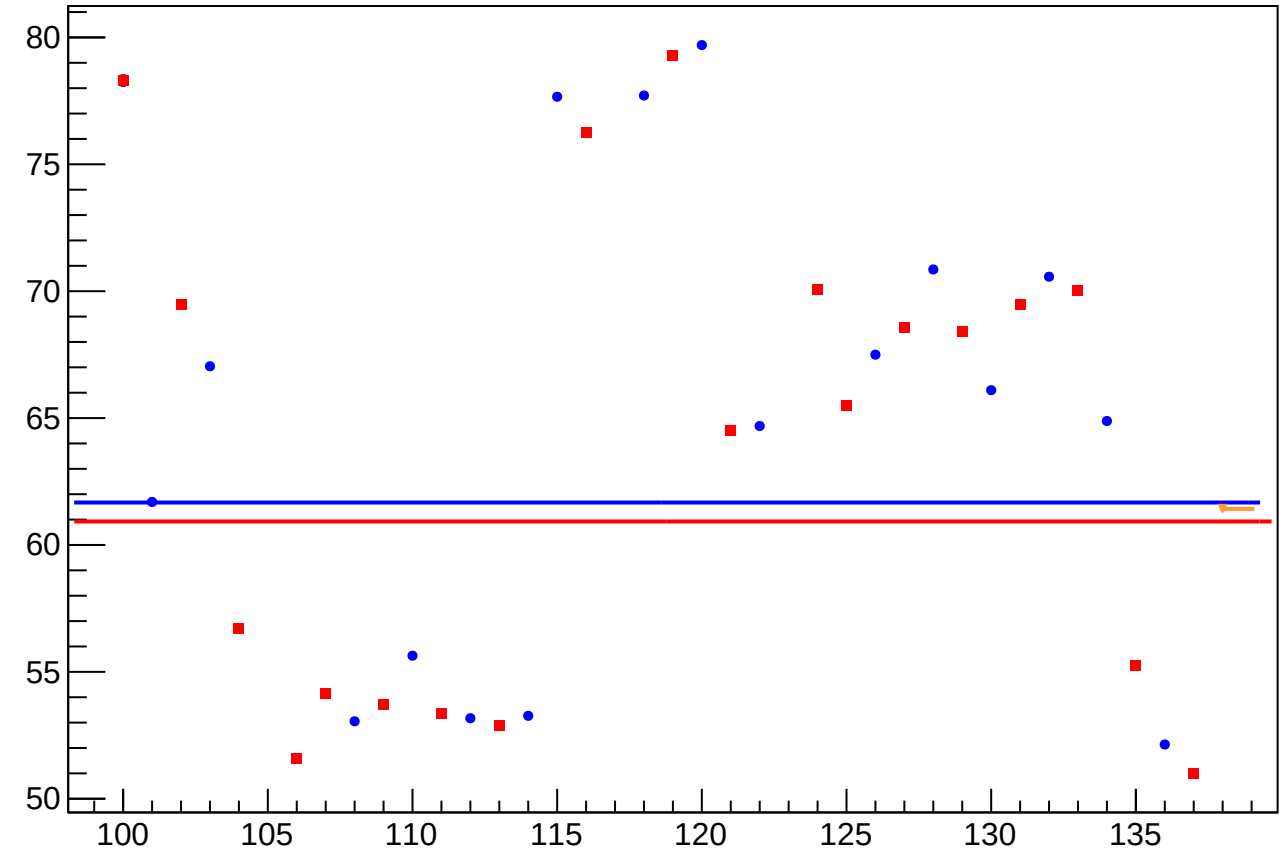
Left: -120.688+/-69.606 χ^2/NDF: 0.0/0

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 54.877+/-23.179 χ^2/NDF:11.0/15

Out: -29.007+/-21.485 χ^2/NDF:11.1/19

All: 9.758+/-15.757 χ^2/NDF: 29.1/35



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.422+/-0.049 χ^2/NDF:0.0/0

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

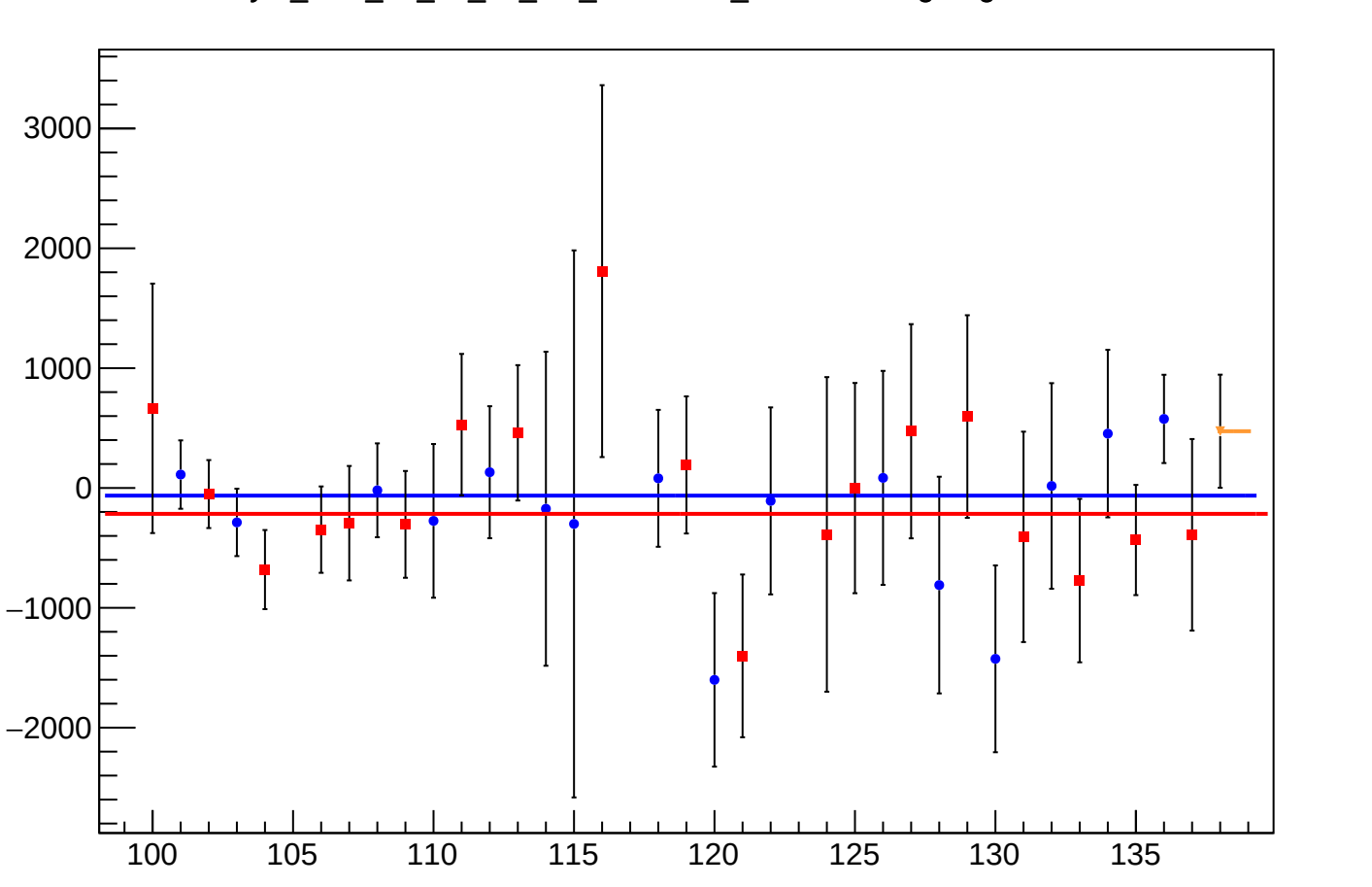
Left: 61.422+/-0.049 χ^2/NDF: 0.0/0

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.673+/-0.016 χ^2/NDF:267108.3/15

Out: 60.973+/-0.015 χ^2/NDF:287671.5/19

All: 61.296+/-0.011 χ^2/NDF: 555760.9/35



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 473.564+/-471.976 χ^2/NDF:0.0/0

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

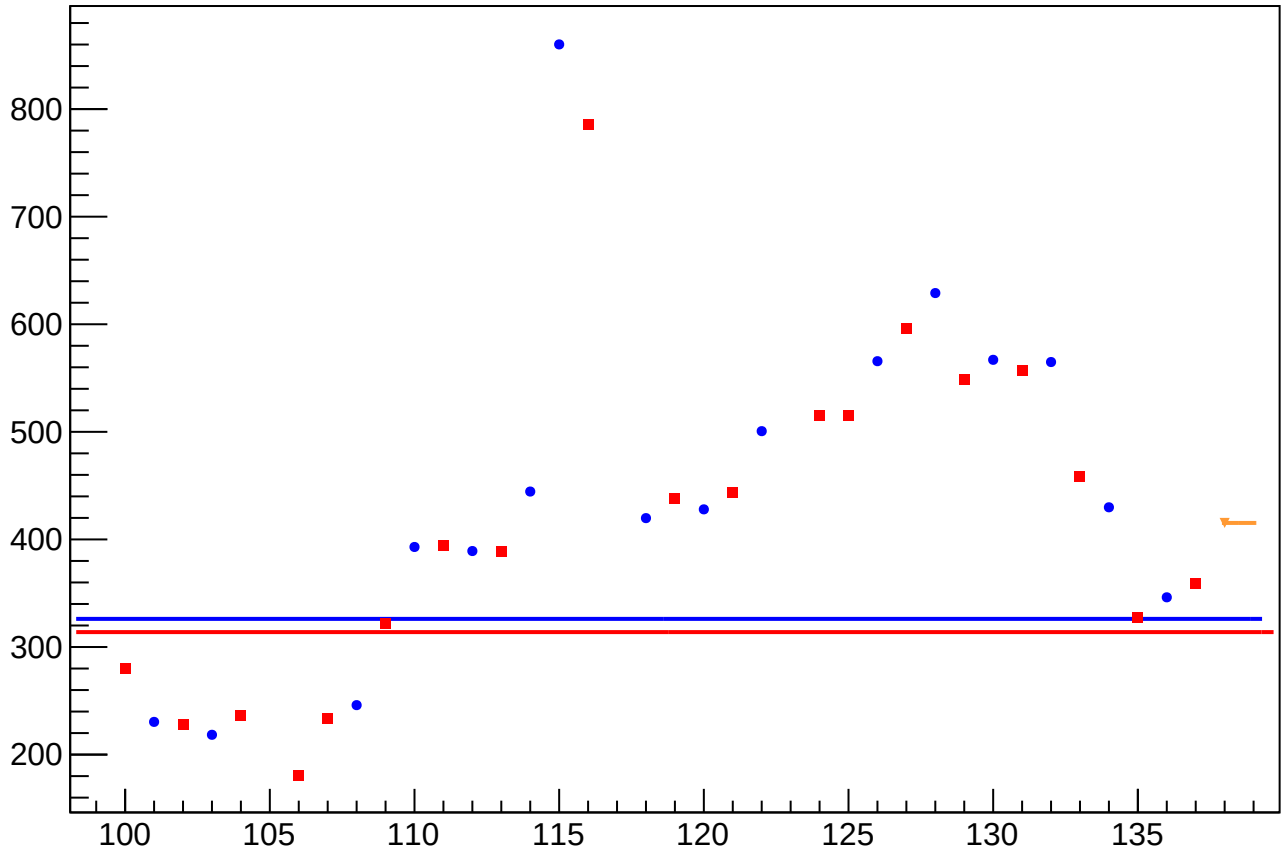
Left: 473.564+/-471.976 χ^2/NDF: 0.0/0

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -63.820+/-129.675 χ^2/NDF:13.2/15

Out: -171.734+/-119.470 χ^2/NDF:16.1/19

All: -122.190+/-87.865 χ^2/NDF: 29.7/35



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 415.329+/-0.334 χ^2/NDF:0.0/0

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

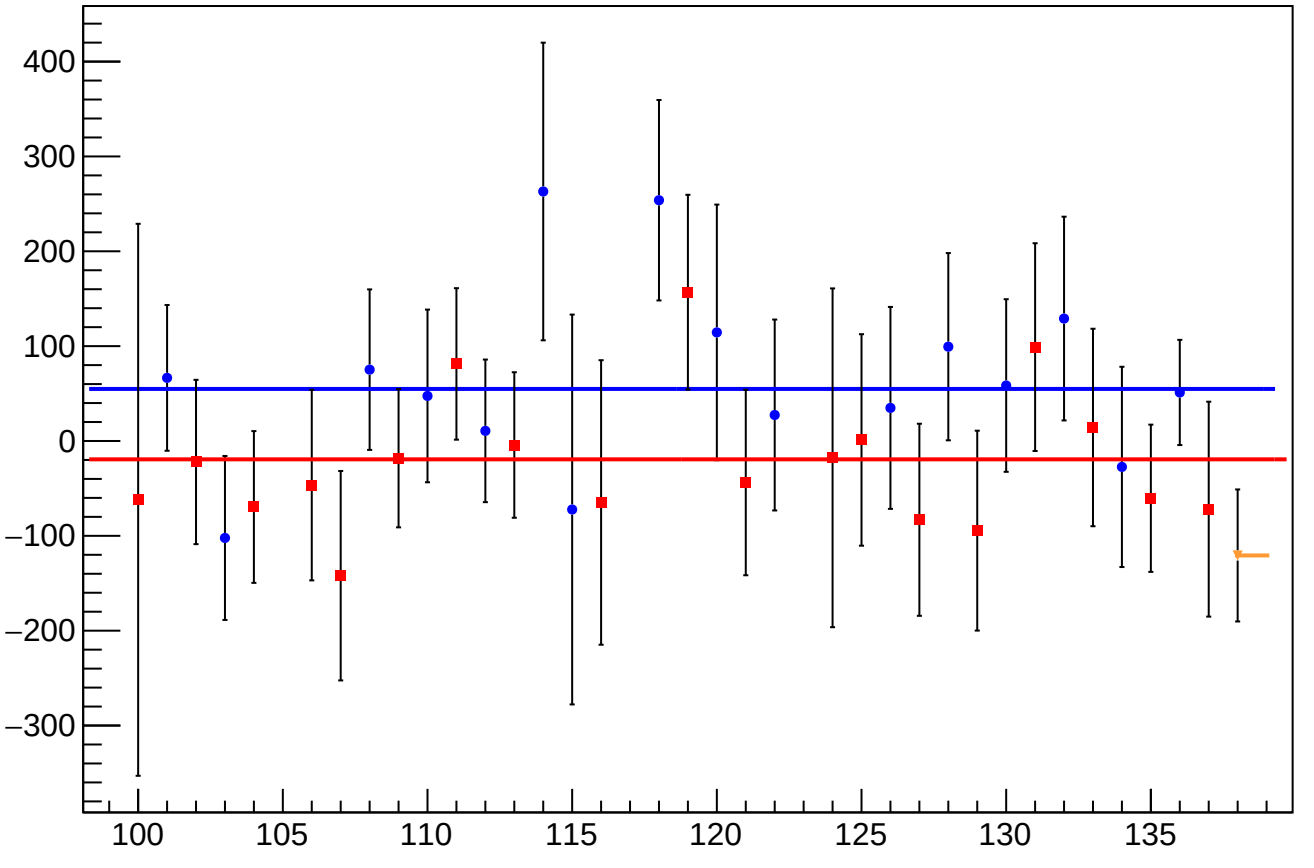
Left: 415.329+/-0.334 χ^2/NDF: 0.0/0

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 326.150+/-0.092 χ^2/NDF:1733934.7/15

Out: 320.362+/-0.084 χ^2/NDF:1892294.8/19

All: 323.020+/-0.062 χ^2/NDF: 3628384.6/35



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -120.688+/-69.606 χ^2/NDF:0.0/0

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

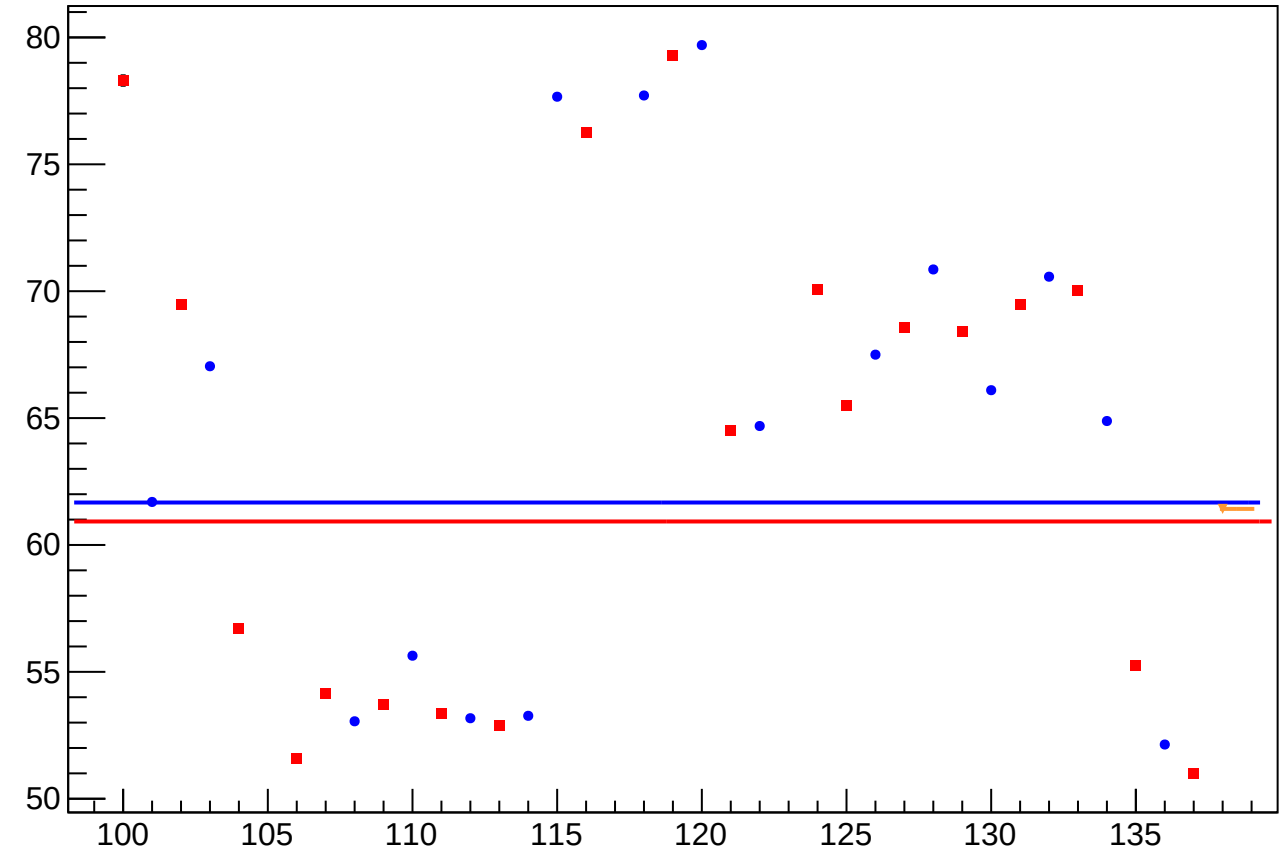
Left: -120.688+/-69.606 χ^2/NDF: 0.0/0

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 54.877+/-23.179 χ^2/NDF:11.0/15

Out: -29.007+/-21.485 χ^2/NDF:11.1/19

All: 9.758+/-15.757 χ^2/NDF: 29.1/35



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.422+/-0.049 χ^2/NDF:0.0/0

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

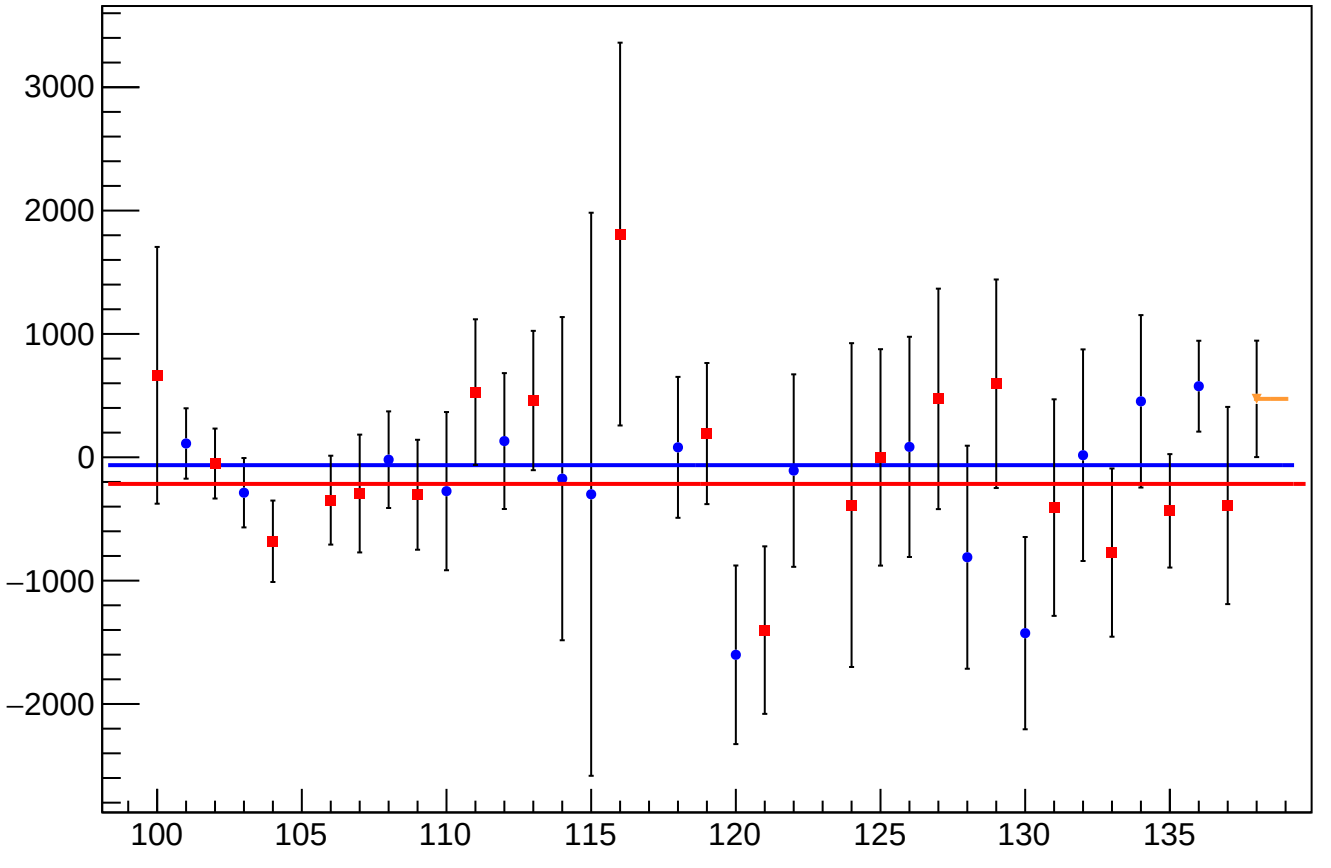
Left: 61.422+/-0.049 χ^2/NDF: 0.0/0

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.673+/-0.016 χ^2/NDF:267108.3/15

Out: 60.973+/-0.015 χ^2/NDF:287671.5/19

All: 61.296+/-0.011 χ^2/NDF: 555760.9/35



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 473.564+/-471.976 χ^2/NDF:0.0/0

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 473.564+/-471.976 χ^2/NDF: 0.0/0

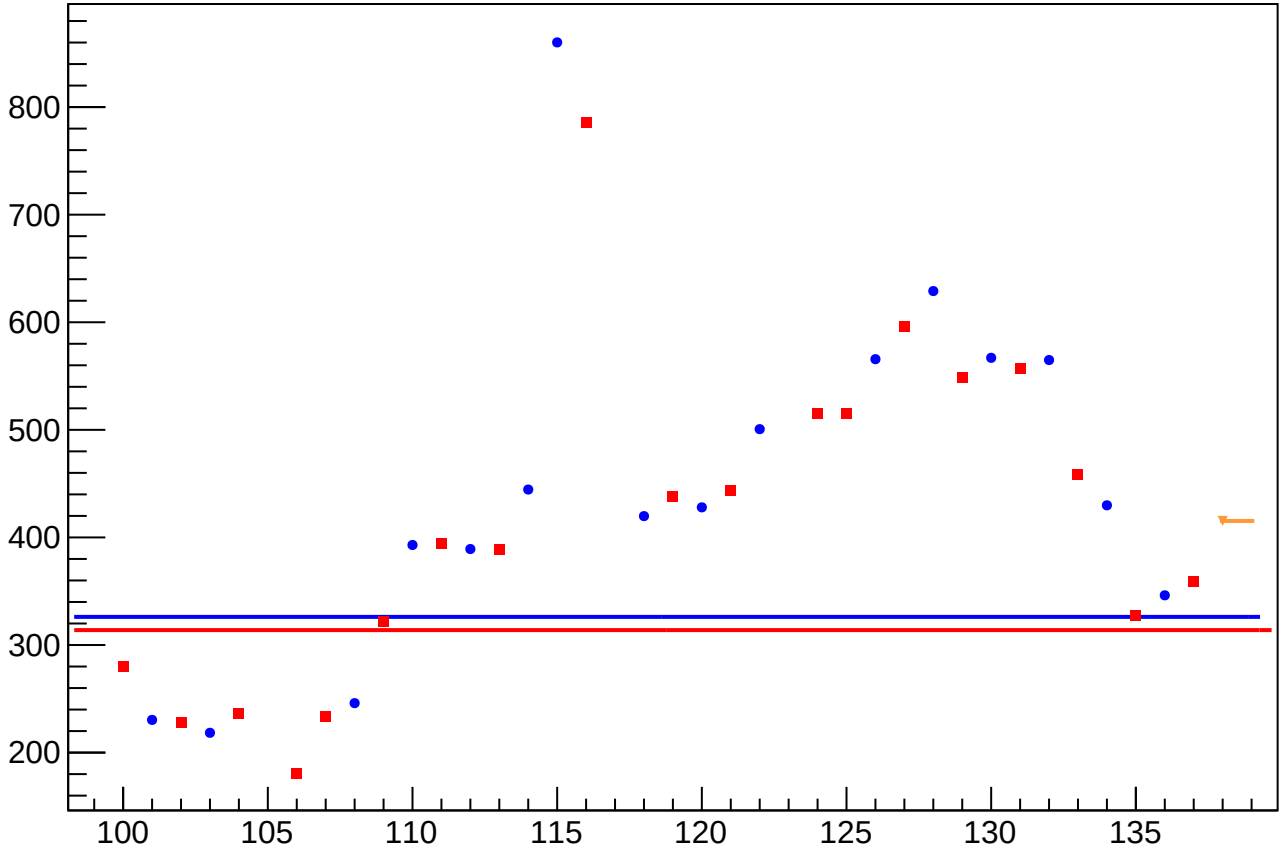
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -63.820+/-129.675 χ^2/NDF:13.2/15

Out: -171.734+/-119.470 χ^2/NDF:16.1/19

All: -122.190+/-87.865 χ^2/NDF: 29.7/35

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: 415.329+/-0.334 χ^2/NDF:0.0/0

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

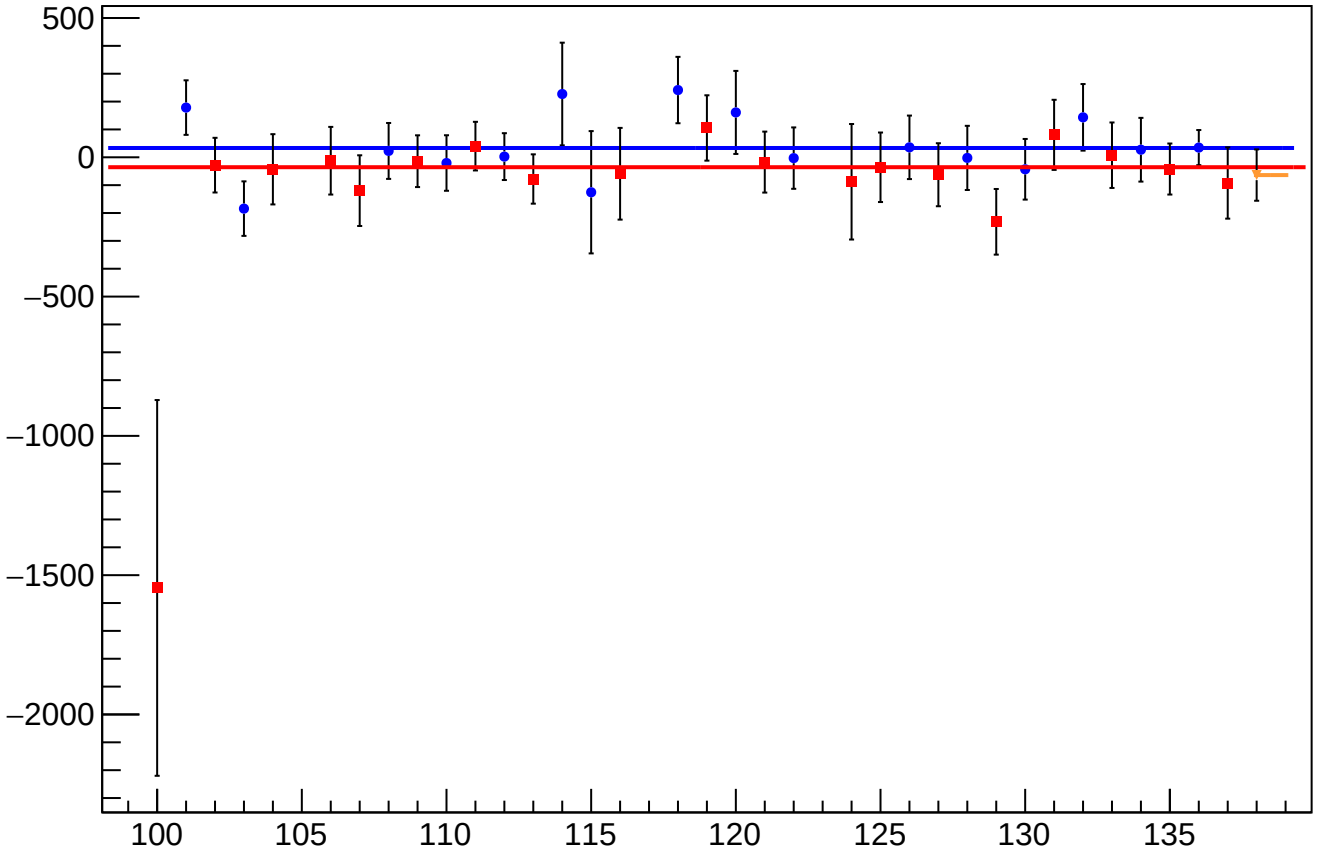
Left: 415.329+/-0.334 χ^2/NDF: 0.0/0

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 326.150+/-0.092 χ^2/NDF:1733934.7/15

Out: 320.362+/-0.084 χ^2/NDF:1892294.8/19

All: 323.020+/-0.062 χ^2/NDF: 3628384.6/35



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: -63.846+/-92.129 χ^2/NDF:0.0/0

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -63.846+/-92.129 χ^2/NDF: 0.0/0

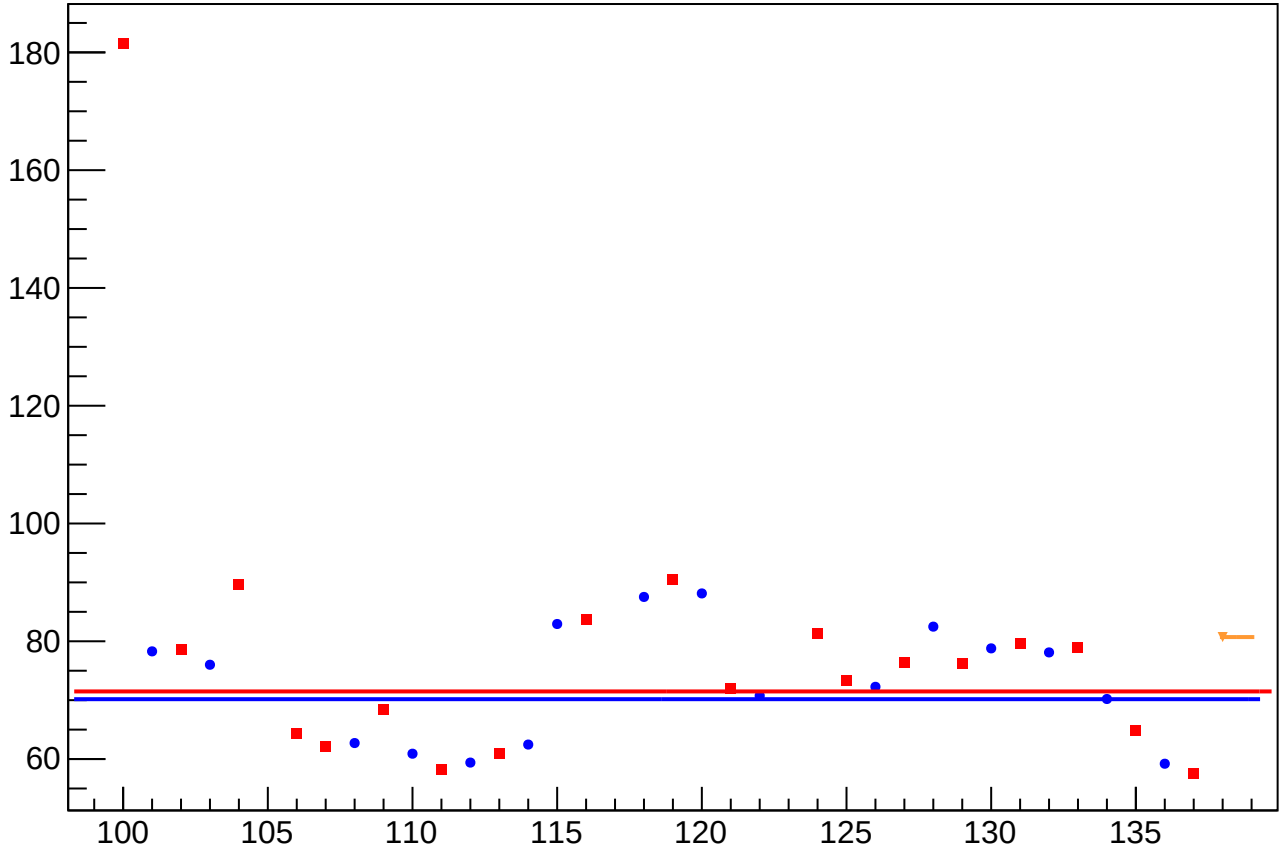
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 33.399+/-26.415 χ^2/NDF:14.5/15

Out: -37.742+/-25.499 χ^2/NDF:12.2/19

All: -3.425+/-18.346 χ^2/NDF: 30.5/35

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 80.715+/-0.065 χ^2/NDF:0.0/0

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

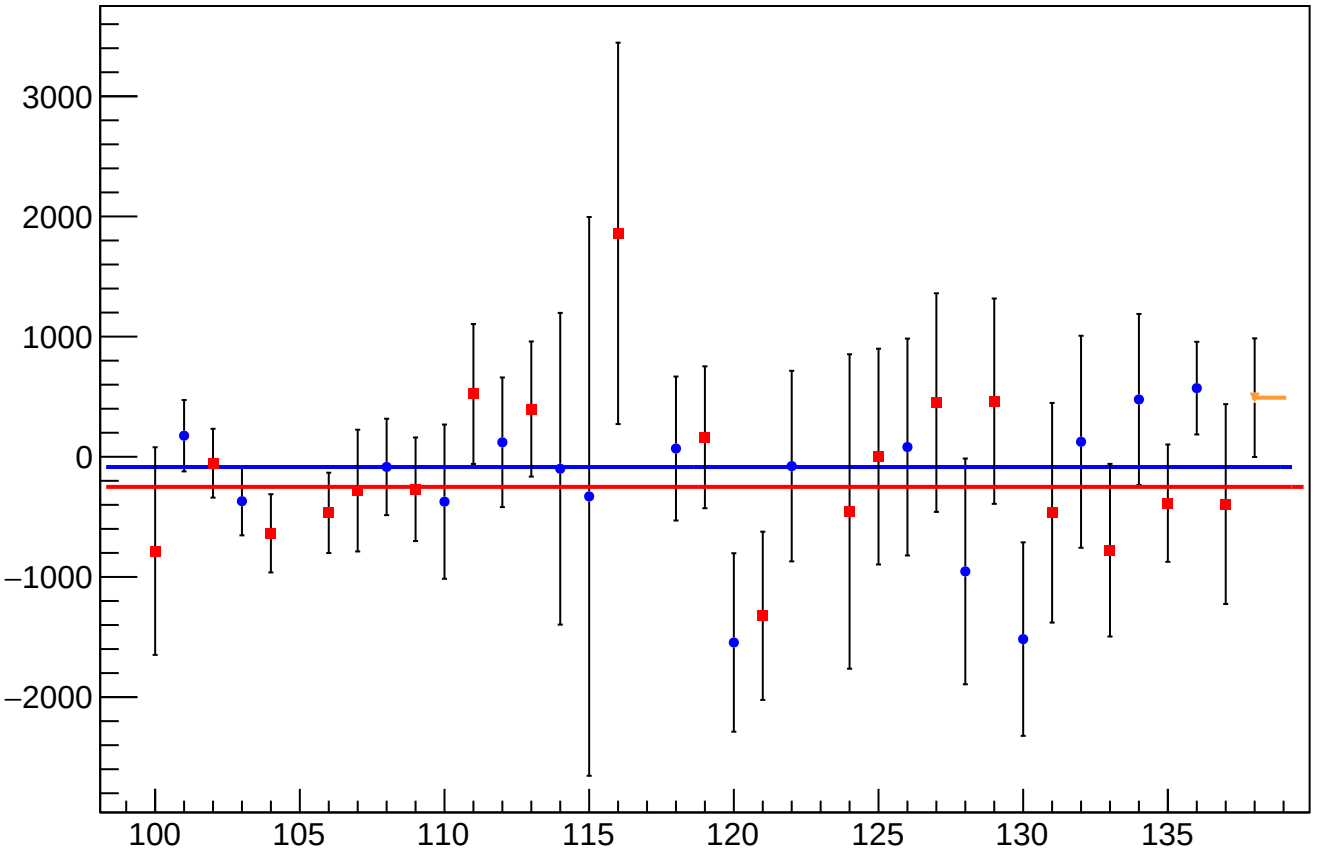
Left: 80.715+/-0.065 χ^2/NDF: 0.0/0

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 70.167+/-0.019 χ^2/NDF:269249.9/15

Out: 72.190+/-0.018 χ^2/NDF:344258.9/19

All: 71.214+/-0.013 χ^2/NDF: 619580.9/35



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 491.870+/-493.705 χ^2/NDF:0.0/0

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 491.870+/-493.705 χ^2/NDF: 0.0/0

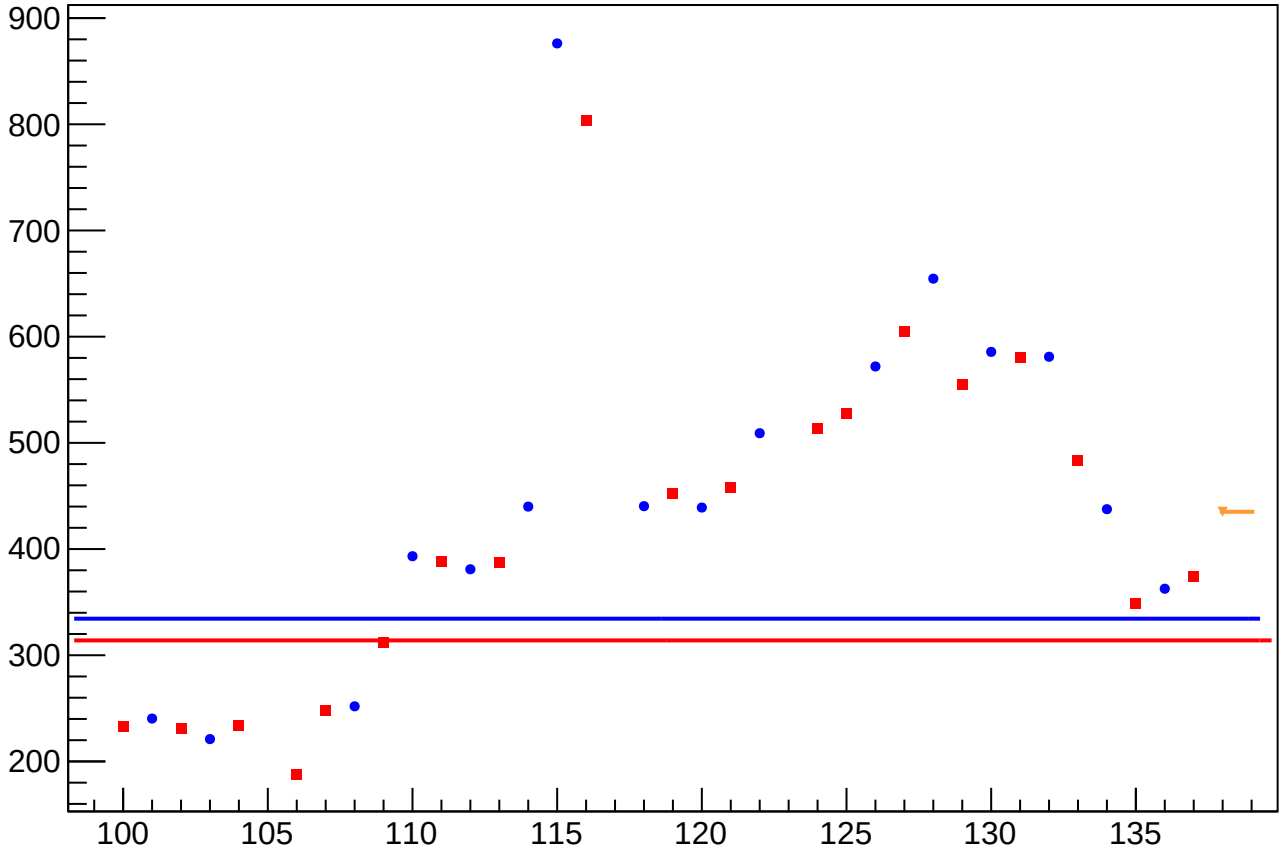
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -85.184+/-132.877 χ^2/NDF:13.7/15

Out: -206.858+/-119.627 χ^2/NDF:14.6/19

All: -152.388+/-88.906 χ^2/NDF: 28.8/35

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: 435.095+/-0.349 χ^2/NDF:0.0/0

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

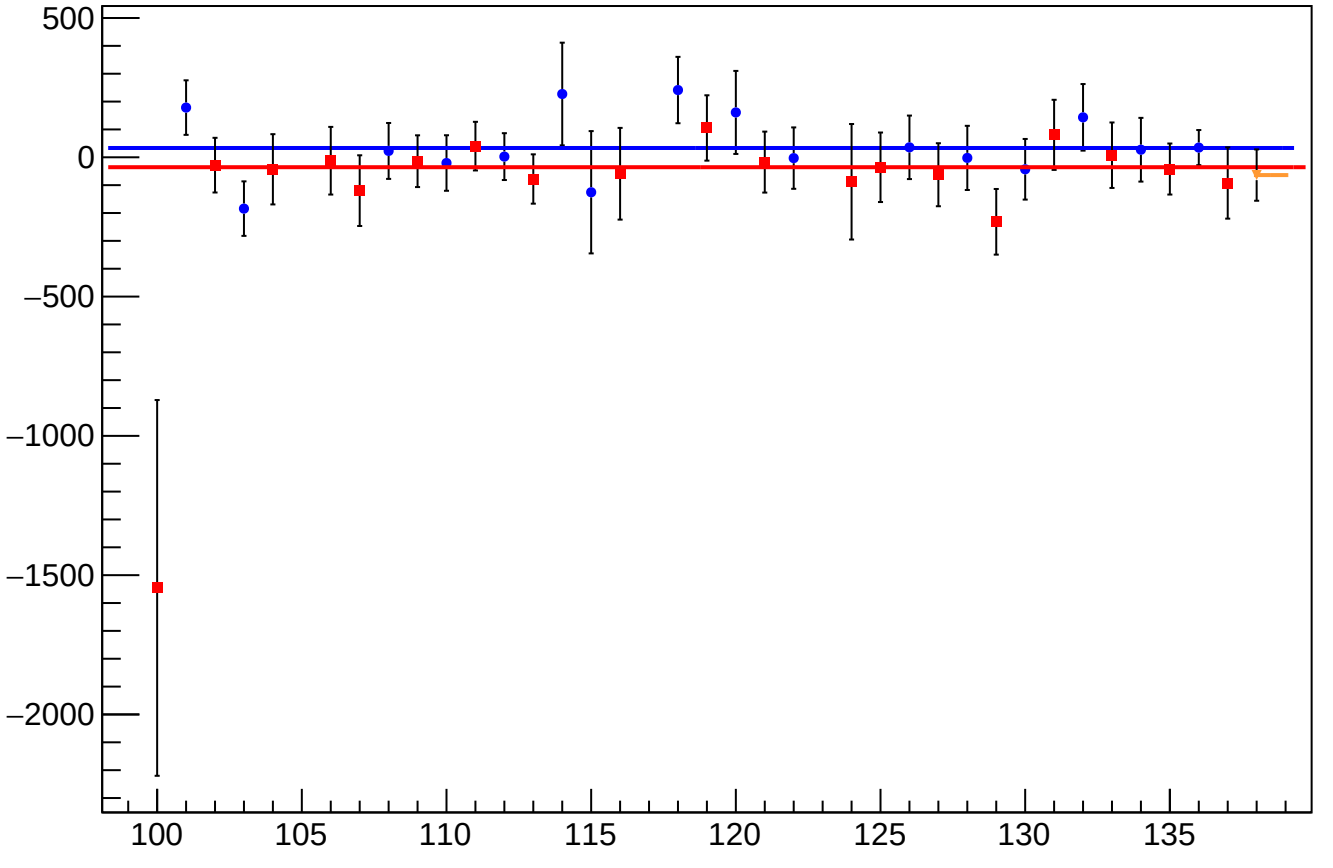
Left: 435.095+/-0.349 χ^2/NDF: 0.0/0

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 334.431+/-0.094 χ^2/NDF:1730610.2/15

Out: 321.083+/-0.085 χ^2/NDF:2017918.8/19

All: 327.058+/-0.063 χ^2/NDF: 3759676.6/35



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: -63.844+/-92.129 χ^2/NDF:0.0/0

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

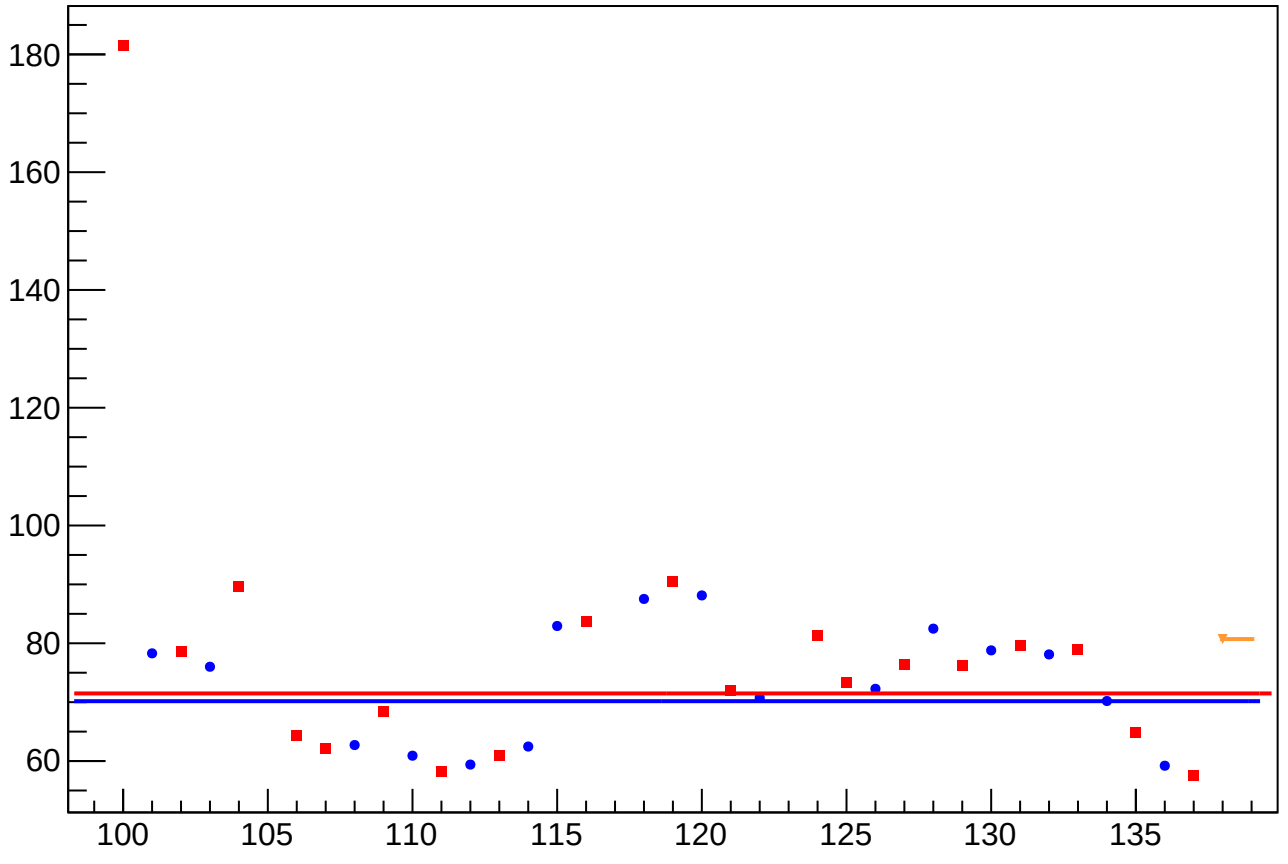
Left: -63.844+/-92.129 χ^2/NDF: 0.0/0

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 33.397+/-26.415 χ^2/NDF:14.5/15

Out: -37.742+/-25.499 χ^2/NDF:12.2/19

All: -3.426+/-18.346 χ^2/NDF: 30.5/35



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 80.715+/-0.065 χ^2/NDF:0.0/0

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 80.715+/-0.065 χ^2/NDF: 0.0/0

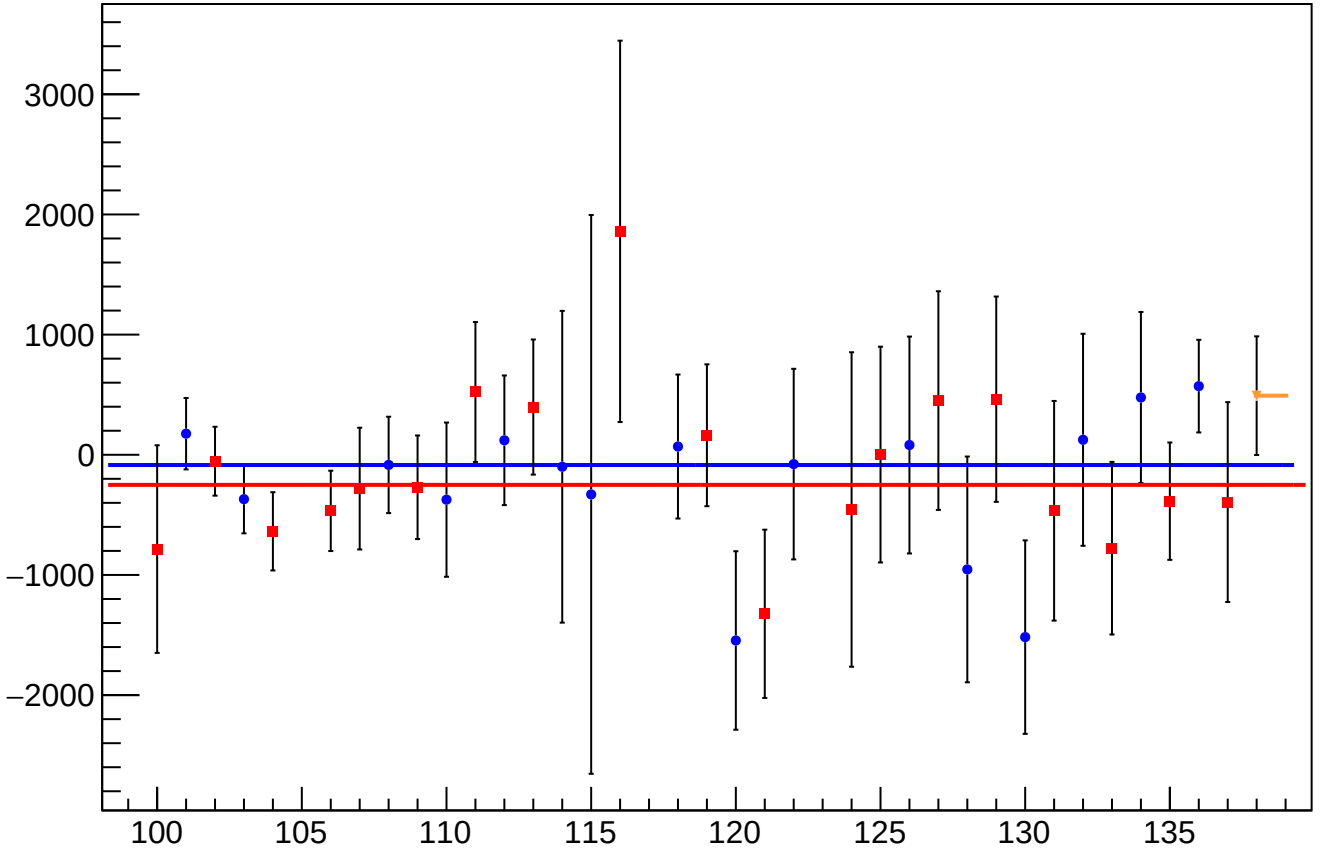
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 70.167+/-0.019 χ^2/NDF:269253.0/15

Out: 72.190+/-0.018 χ^2/NDF:344263.8/19

All: 71.215+/-0.013 χ^2/NDF: 619588.6/35

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: 491.874+/-493.704 χ^2/NDF:0.0/0

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 491.874+/-493.704 χ^2/NDF: 0.0/0

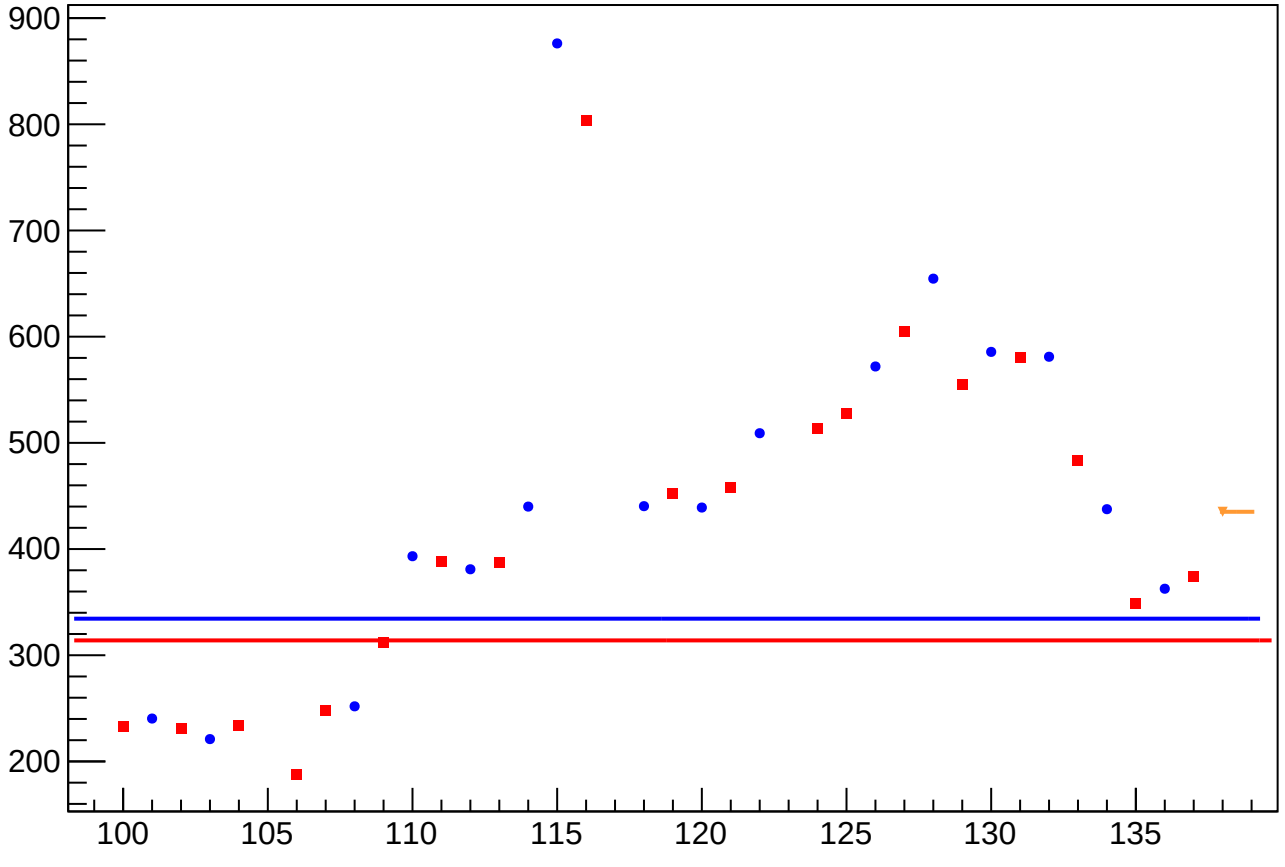
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -85.185+/-132.877 χ^2/NDF:13.7/15

Out: -206.857+/-119.627 χ^2/NDF:14.6/19

All: -152.388+/-88.906 χ^2/NDF: 28.8/35

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: 435.094+/-0.349 χ^2/NDF:0.0/0

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 435.094+/-0.349 χ^2/NDF: 0.0/0

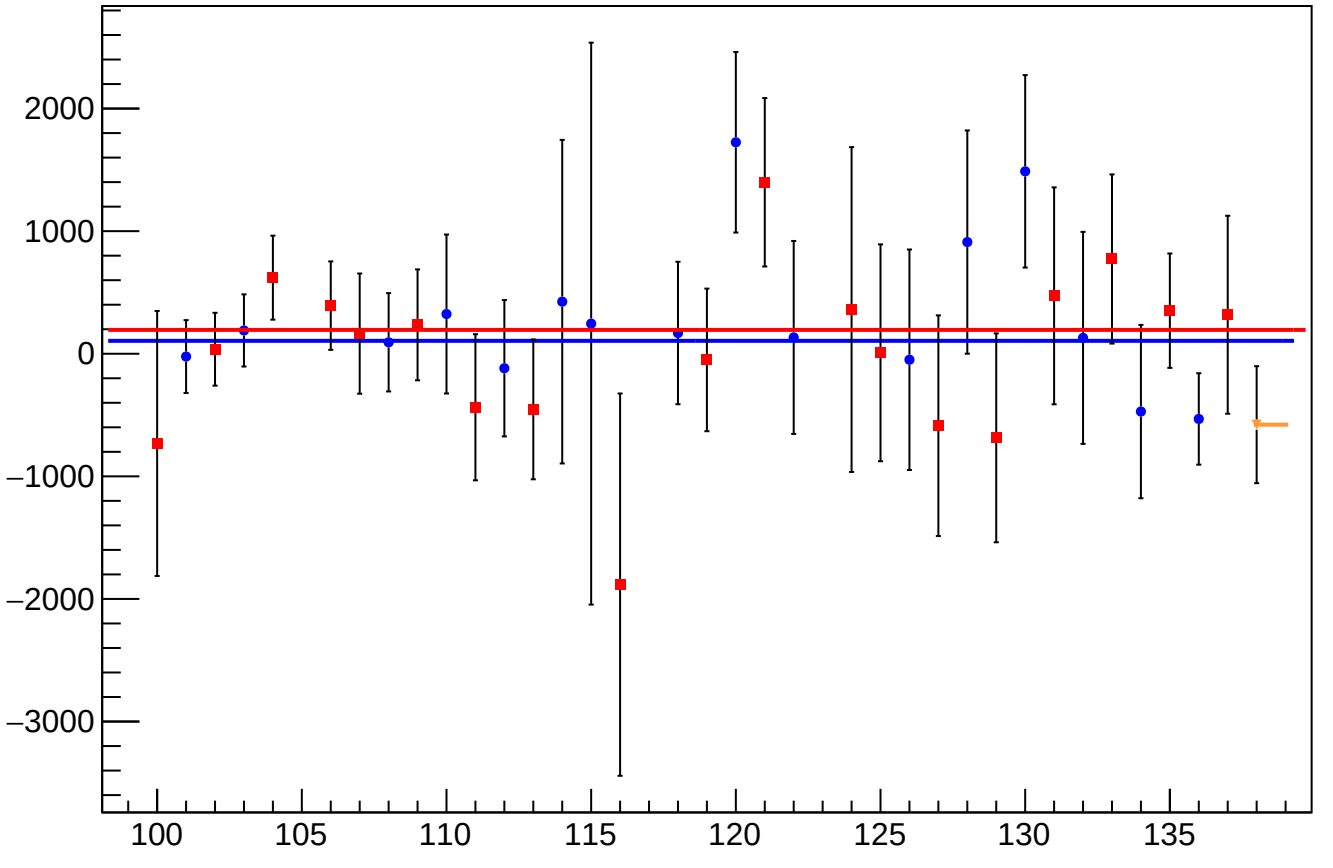
Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 334.431+/-0.094 χ^2/NDF:1730609.3/15

Out: 321.082+/-0.085 χ^2/NDF:2017915.6/19

All: 327.058+/-0.063 χ^2/NDF: 3759672.9/35

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -578.543+/-477.198 χ^2/NDF:0.0/0

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -578.543+/-477.198 χ^2/NDF: 0.0/0

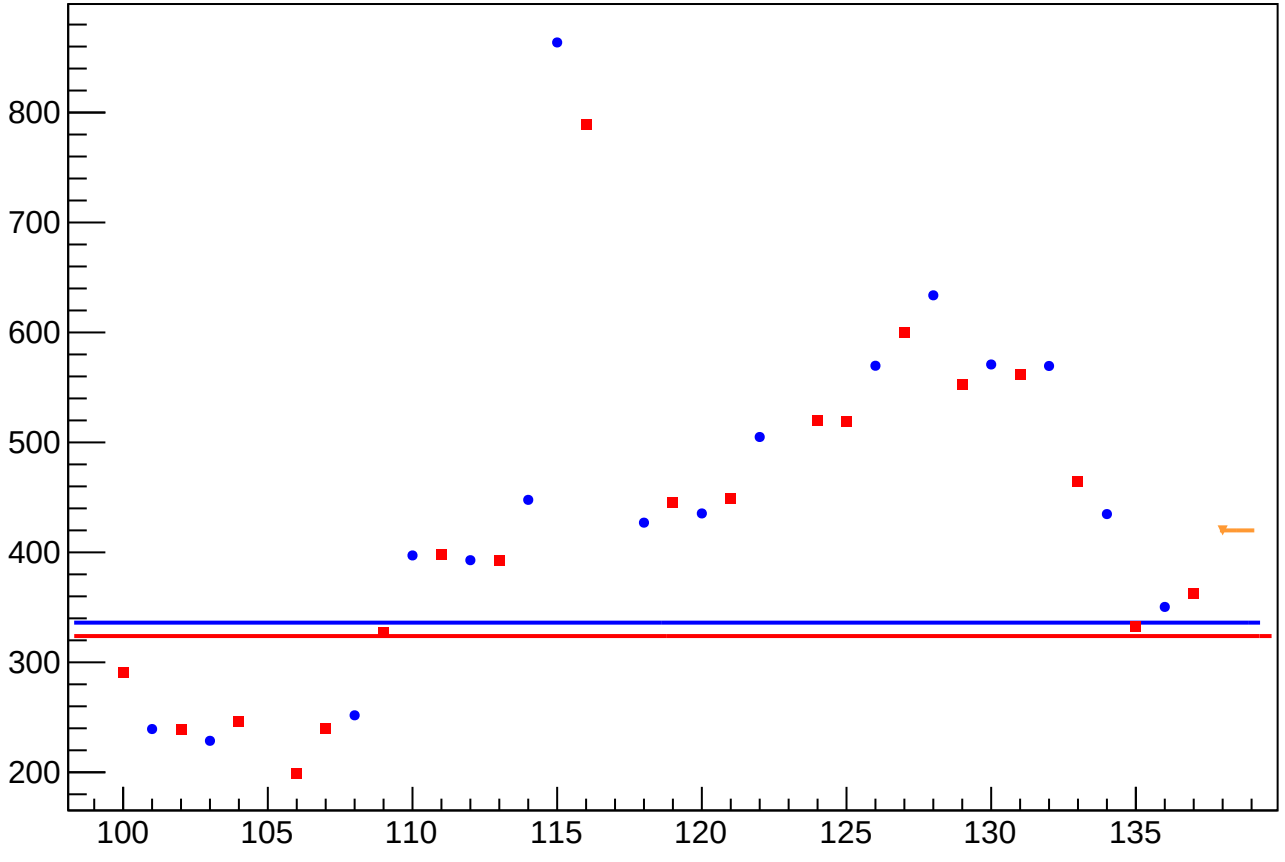
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 105.390+/-133.046 χ^2/NDF:13.0/15

Out: 144.168+/-122.004 χ^2/NDF:15.6/19

All: 126.454+/-89.921 χ^2/NDF: 28.6/35

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 419.975+/-0.337 χ^2/NDF:0.0/0

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

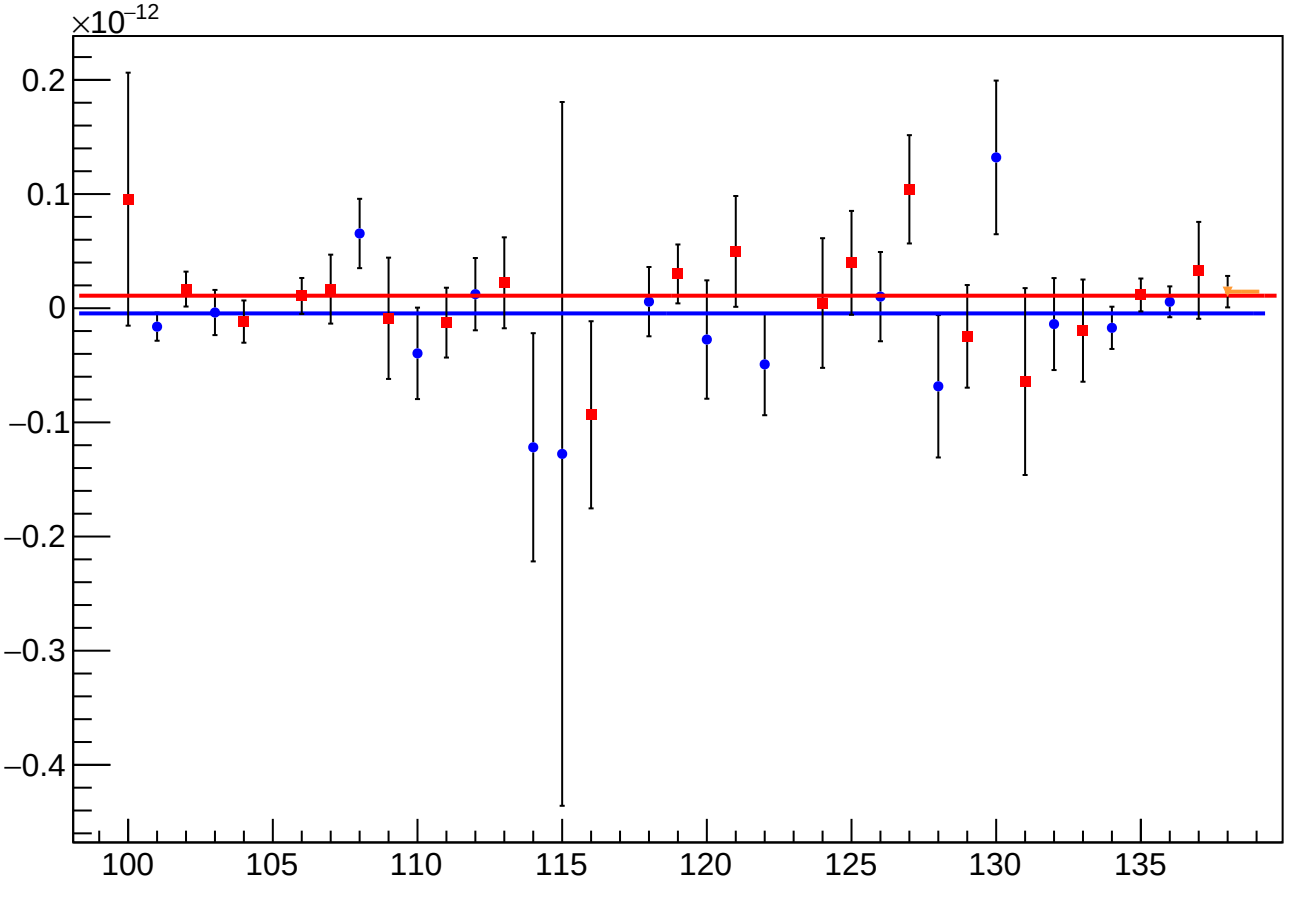
Left: 419.975+/-0.337 χ^2/NDF: 0.0/0

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 336.092+/-0.094 χ^2/NDF:1618997.2/15

Out: 330.166+/-0.086 χ^2/NDF:1741213.0/19

All: 332.873+/-0.064 χ^2/NDF: 3362365.3/35



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

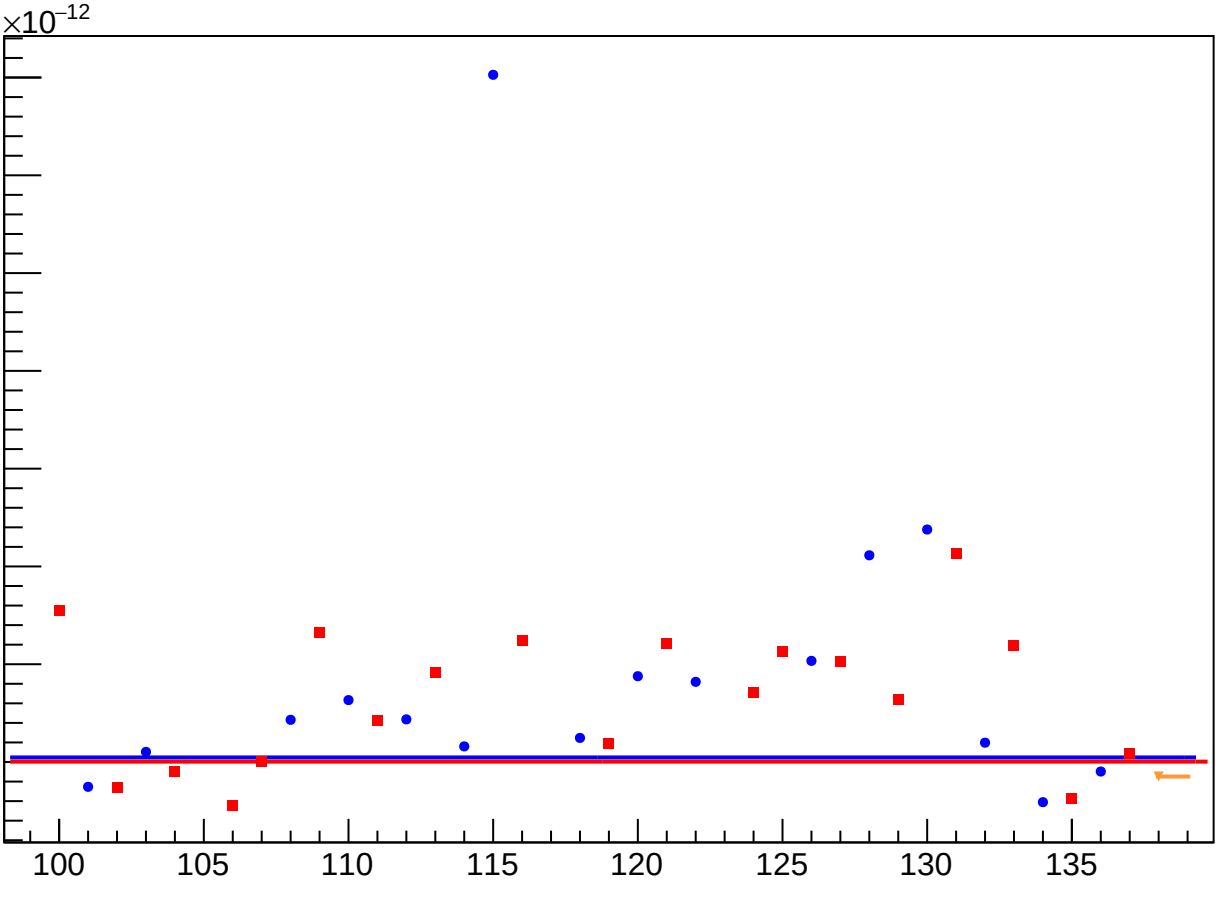
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:16.5/15

Out: 0.000+/-0.000 χ^2/NDF:12.4/19

All: 0.000+/-0.000 χ^2/NDF: 32.4/35

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

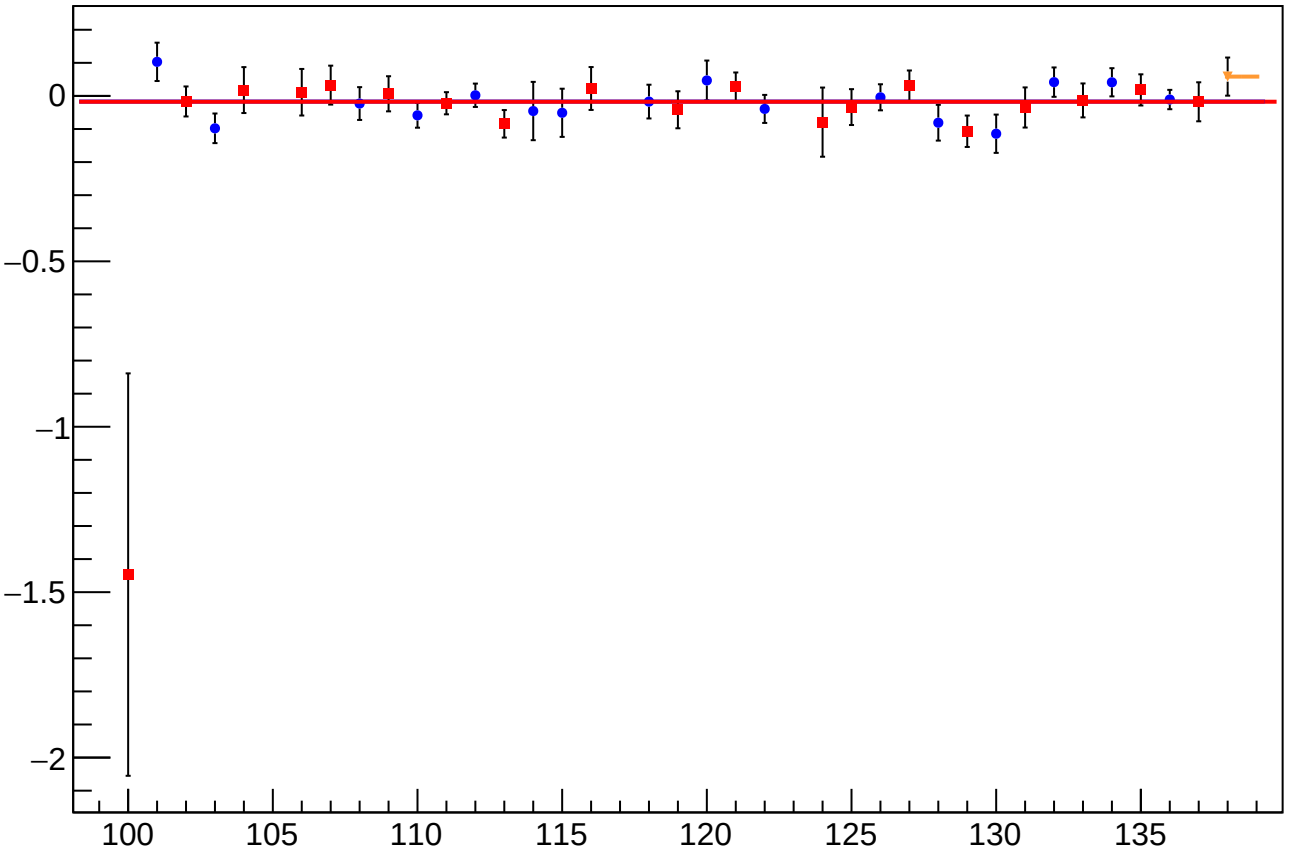
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:1183833.2/15

Out: 0.000+/-0.000 χ^2/NDF:1435856.4/19

All: 0.000+/-0.000 χ^2/NDF: 2632678.3/35



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.058+/-0.058 χ^2/NDF:0.0/0

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.058+/-0.058 χ^2/NDF: 0.0/0

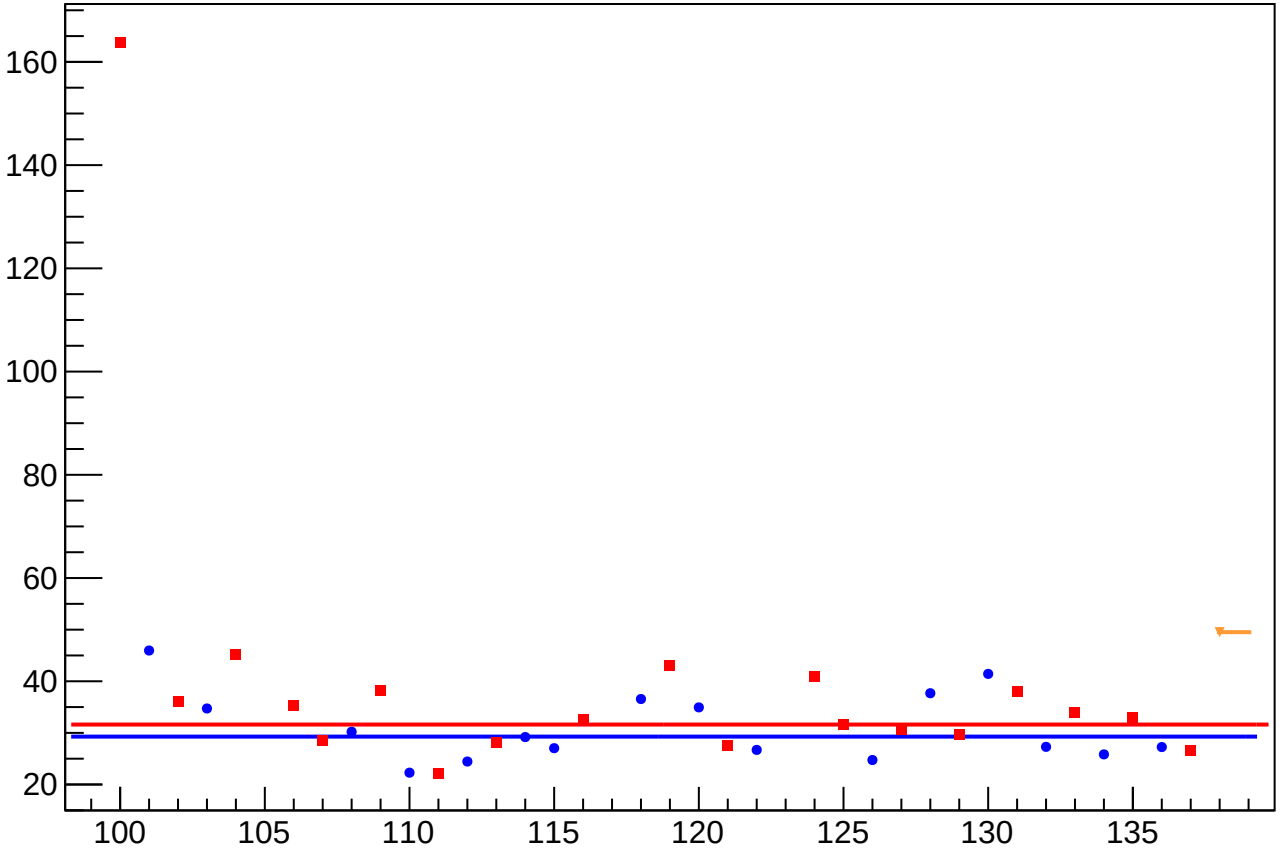
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.011 χ^2/NDF:18.8/15

Out: -0.014+/-0.012 χ^2/NDF:18.5/19

All: -0.016+/-0.008 χ^2/NDF: 37.3/35

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 49.516+/-0.041 χ^2/NDF:0.0/0

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

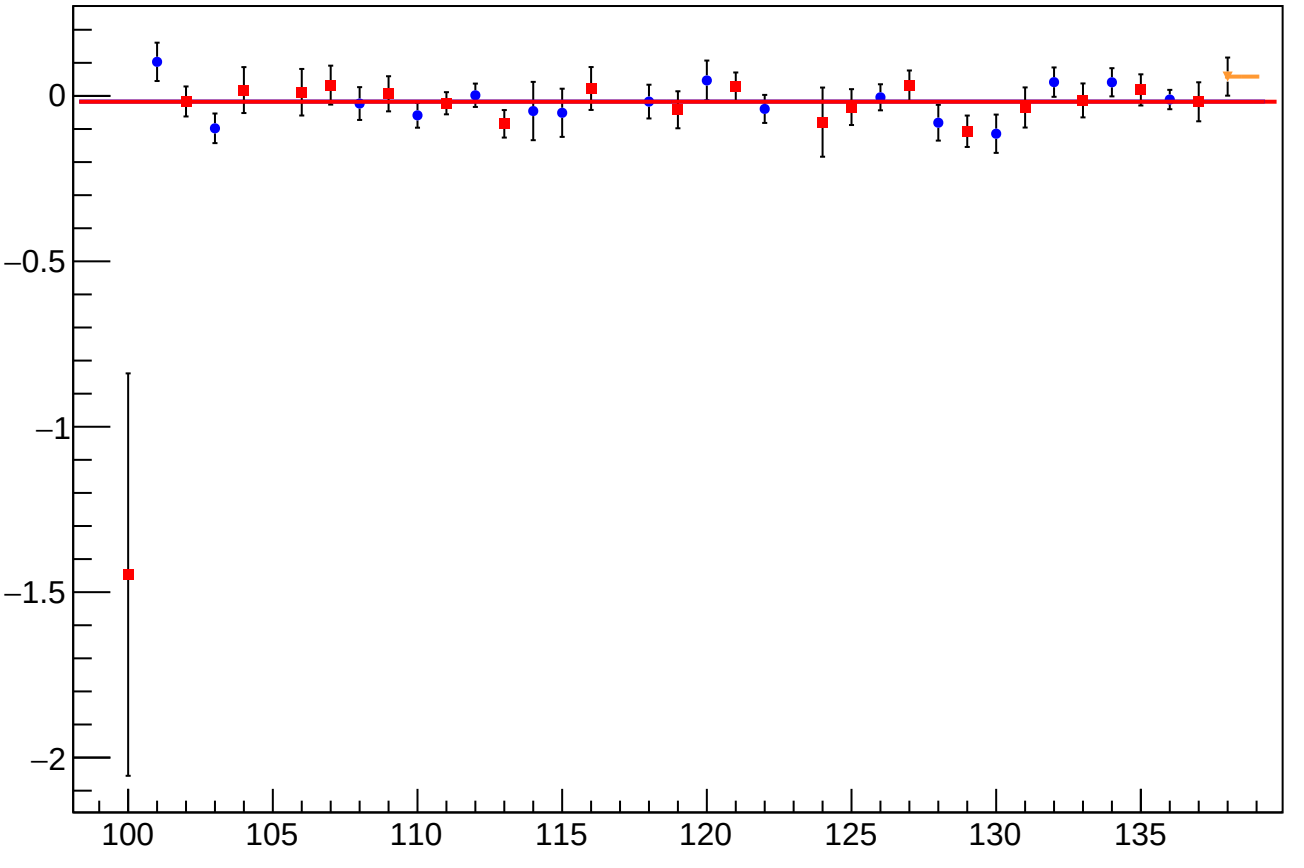
Left: 49.516+/-0.041 χ^2/NDF: 0.0/0

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.278+/-0.008 χ^2/NDF:560654.9/15

Out: 32.370+/-0.008 χ^2/NDF:757193.3/19

All: 30.758+/-0.006 χ^2/NDF: 1388918.3/35



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.058+/-0.058 χ^2/NDF:0.0/0

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.058+/-0.058 χ^2/NDF: 0.0/0

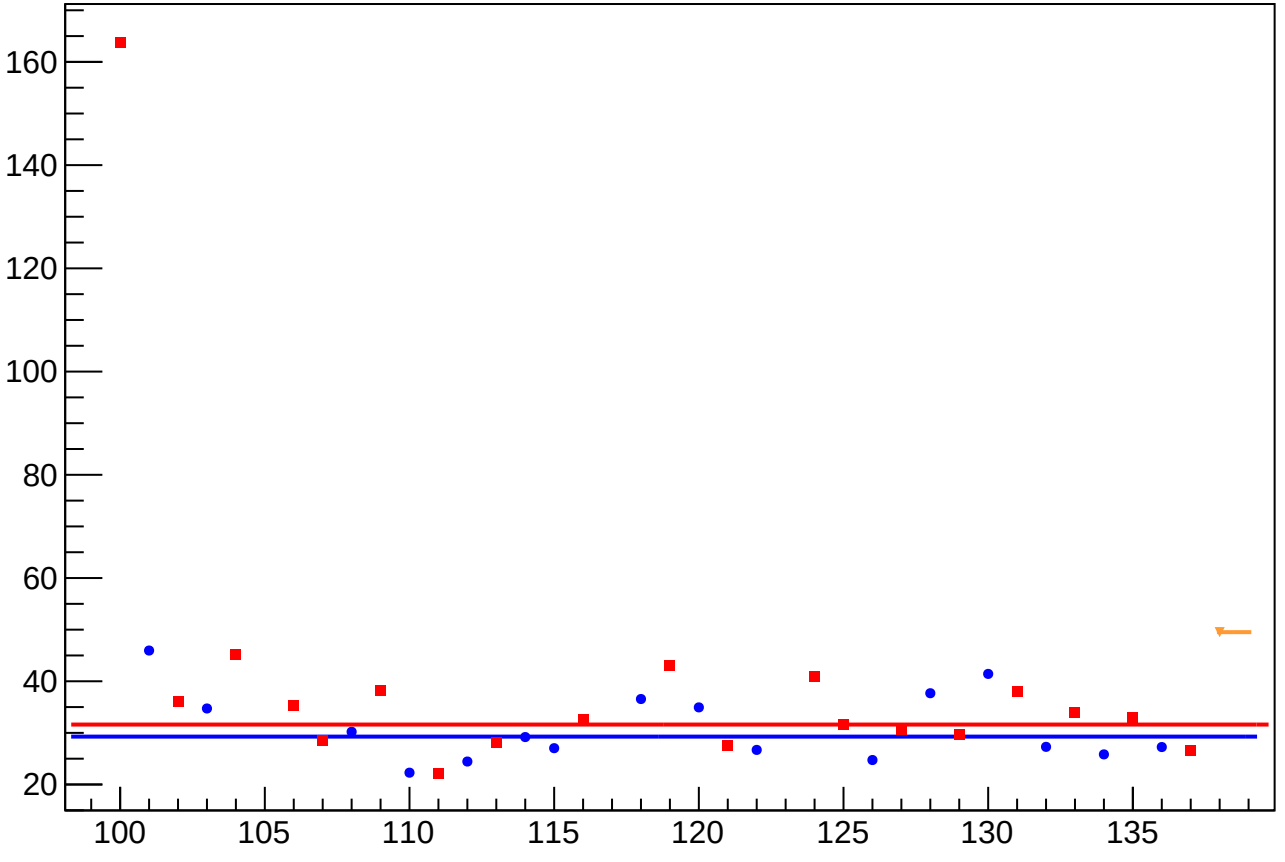
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.011 χ^2/NDF:18.8/15

Out: -0.014+/-0.012 χ^2/NDF:18.5/19

All: -0.016+/-0.008 χ^2/NDF: 37.3/35

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: 49.516+/-0.041 χ^2/NDF:0.0/0

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

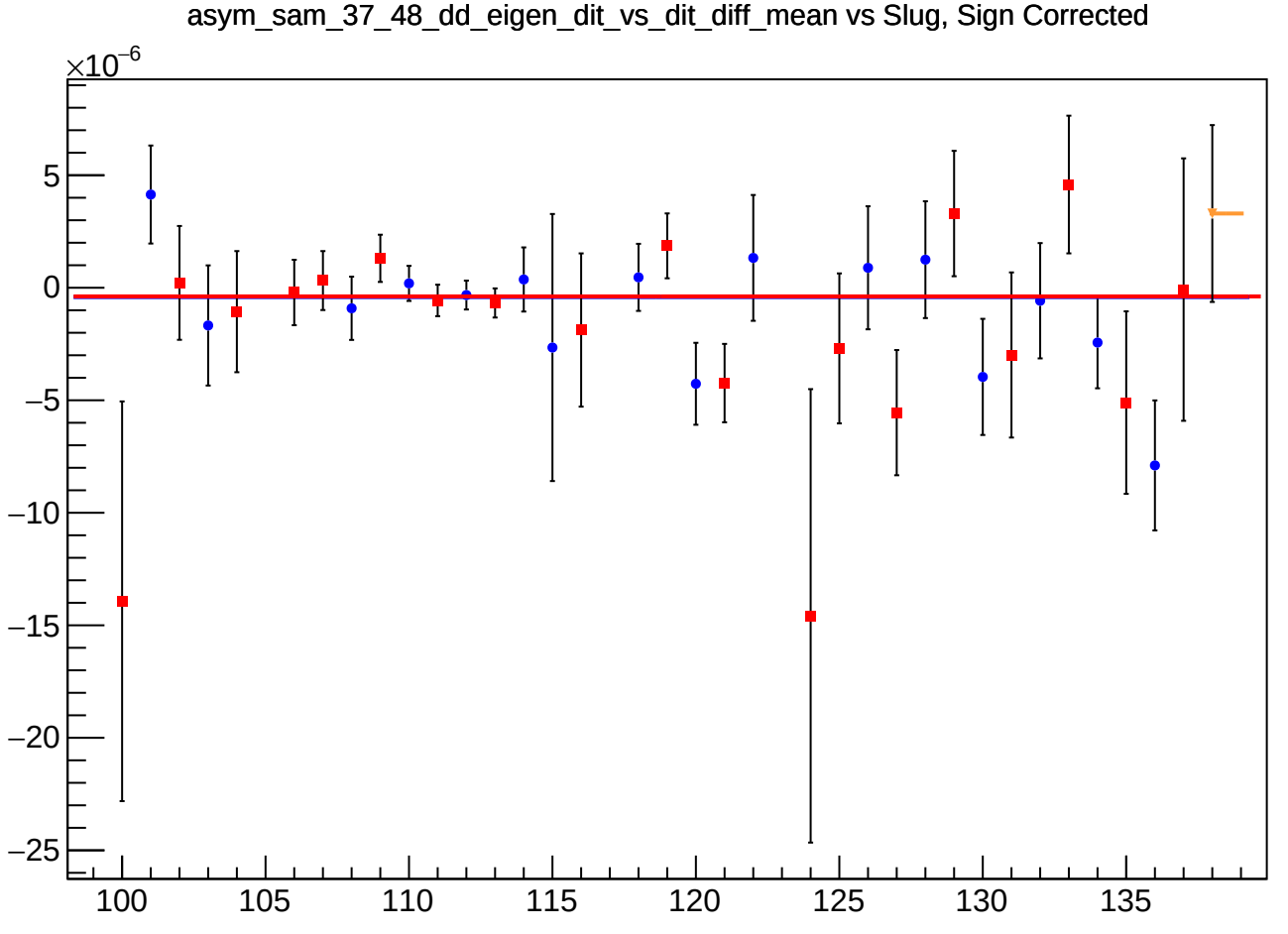
Left: 49.516+/-0.041 χ^2/NDF: 0.0/0

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.278+/-0.008 χ^2/NDF:560654.9/15

Out: 32.370+/-0.008 χ^2/NDF:757193.3/19

All: 30.758+/-0.006 χ^2/NDF: 1388918.3/35



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

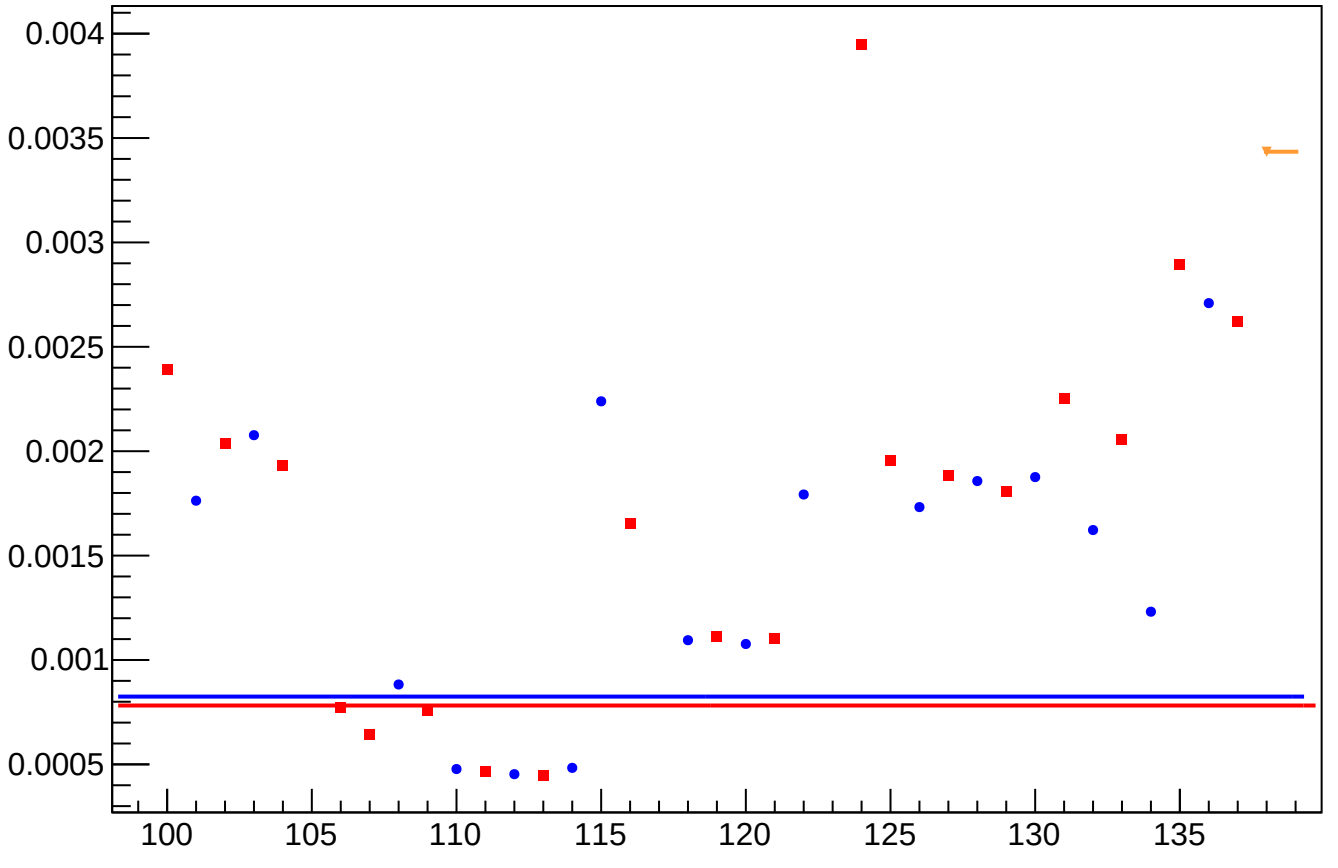
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:21.2/15

Out: -0.000+/-0.000 χ^2/NDF:26.2/19

All: -0.000+/-0.000 χ^2/NDF: 47.4/35



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

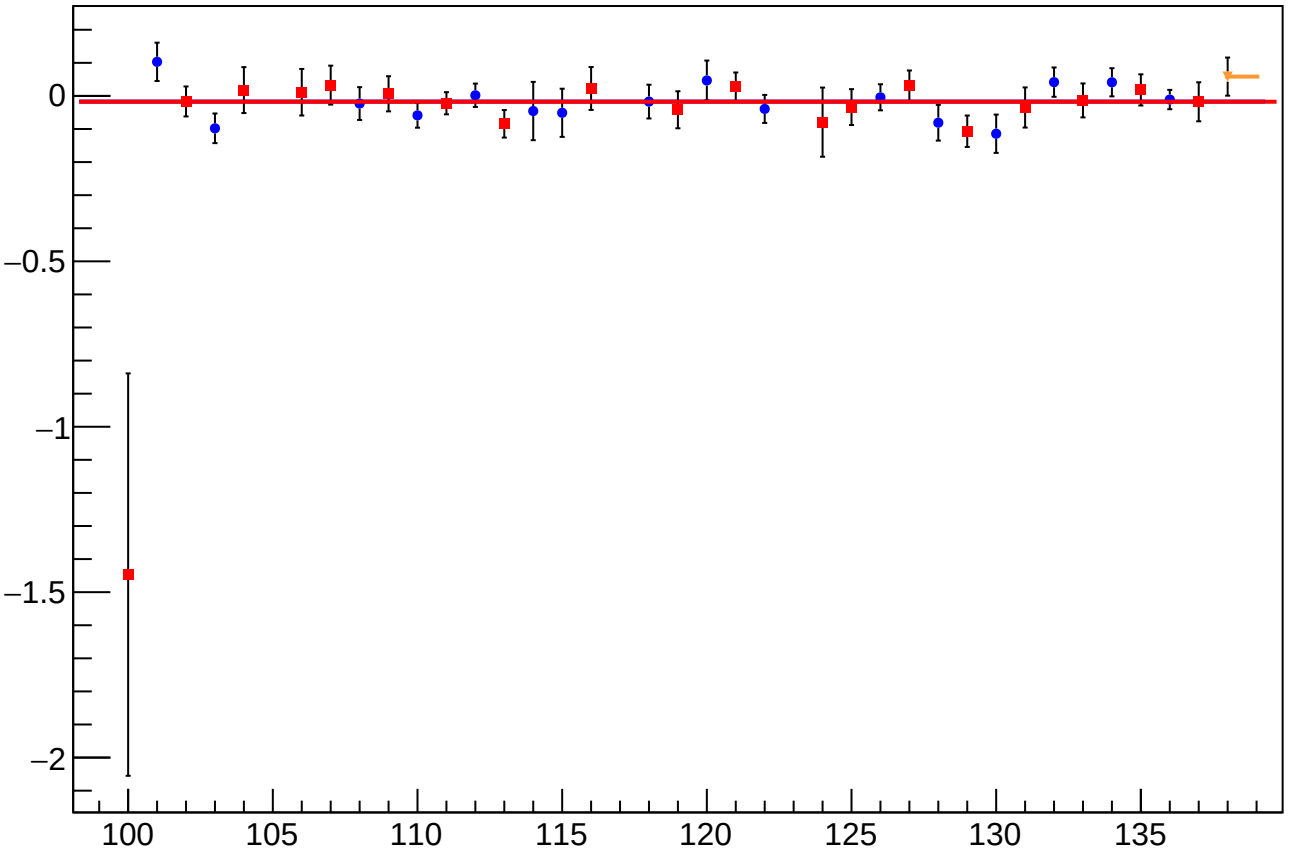
Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:4448725.9/15

Out: 0.001+/-0.000 χ^2/NDF:5542542.0/19

All: 0.001+/-0.000 χ^2/NDF: 9995038.4/35



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.058+/-0.058 χ^2/NDF:0.0/0

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.058+/-0.058 χ^2/NDF: 0.0/0

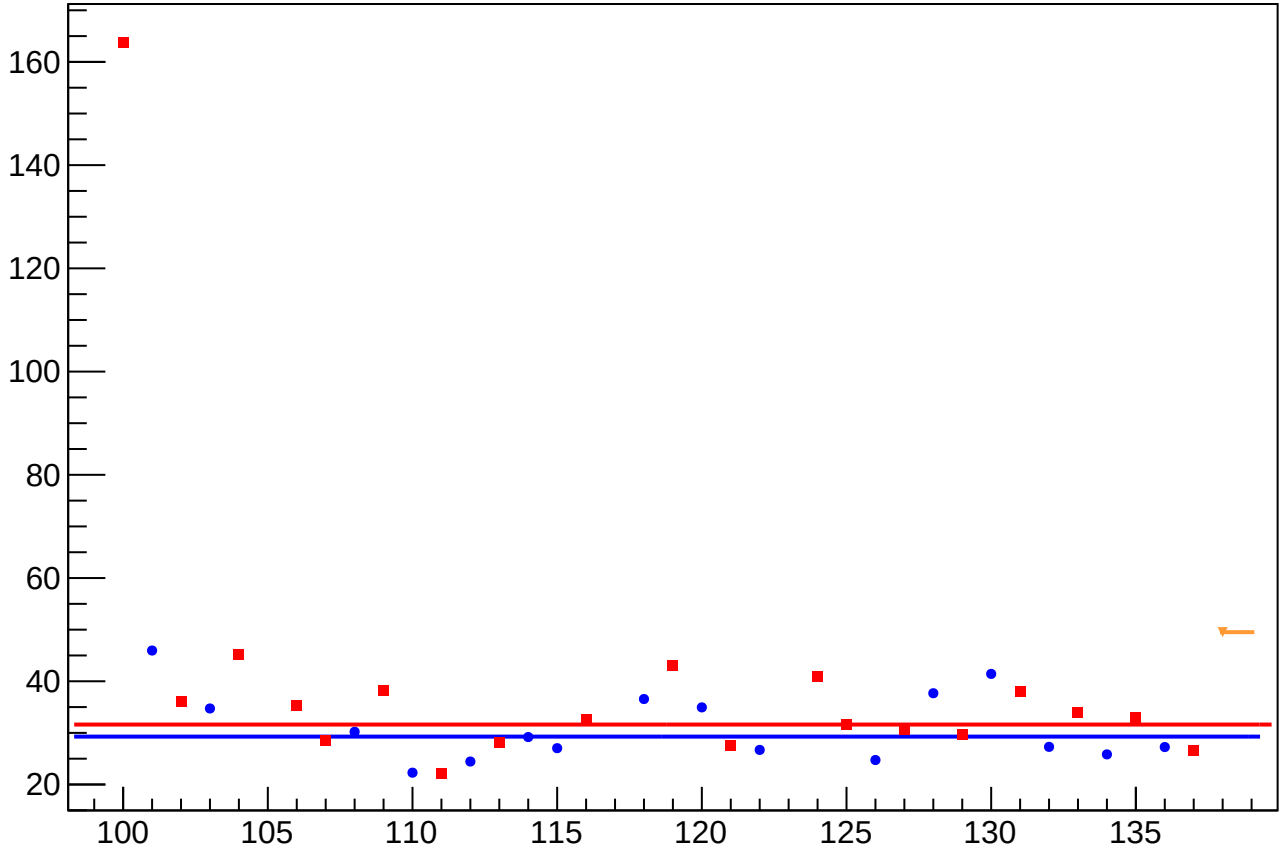
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.011 χ^2/NDF:18.8/15

Out: -0.014+/-0.012 χ^2/NDF:18.5/19

All: -0.016+/-0.008 χ^2/NDF: 37.3/35

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: 49.515+/-0.041 χ^2/NDF:0.0/0

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

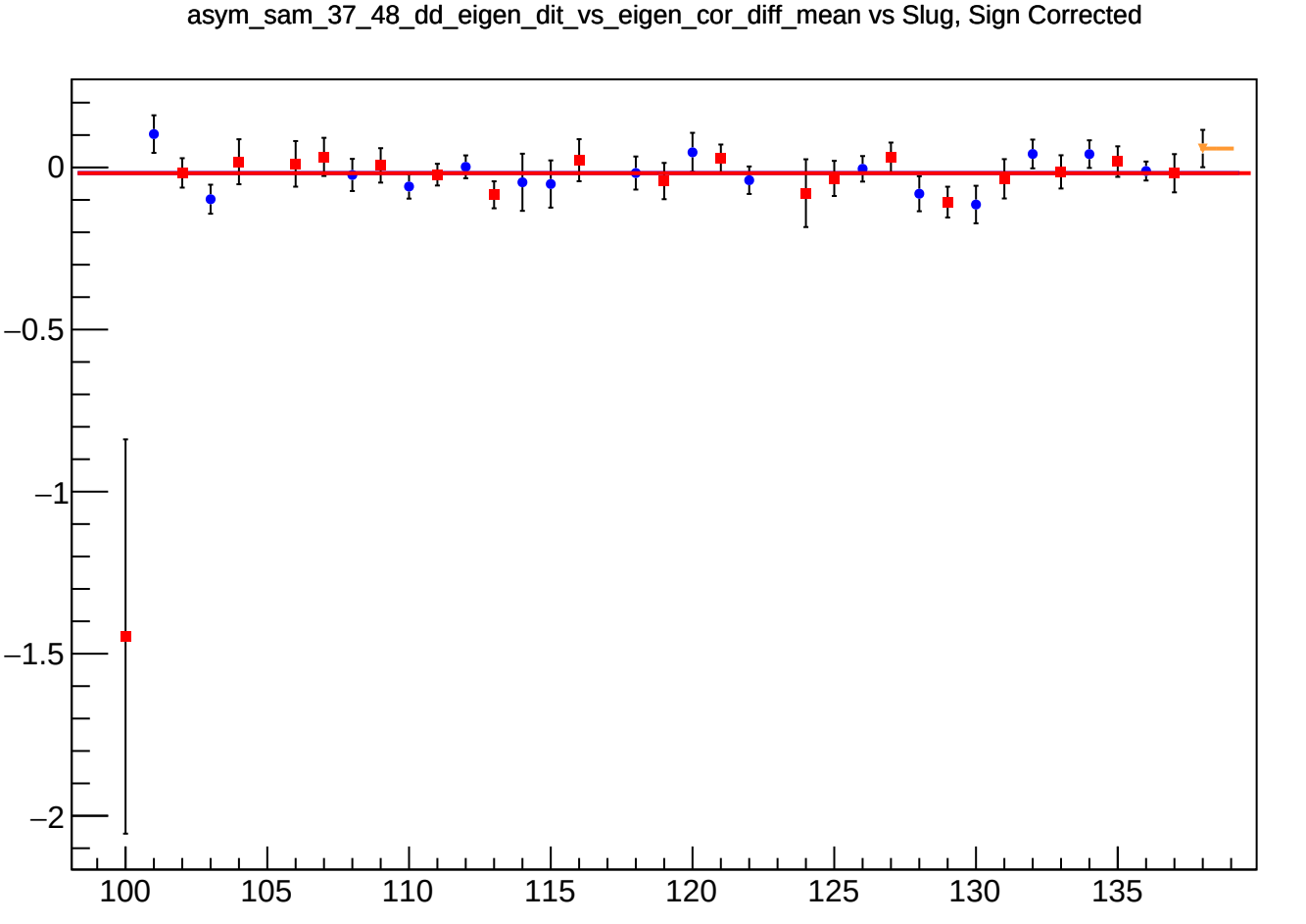
Left: 49.515+/-0.041 χ^2/NDF: 0.0/0

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.278+/-0.008 χ^2/NDF:560654.1/15

Out: 32.370+/-0.008 χ^2/NDF:757173.7/19

All: 30.758+/-0.006 χ^2/NDF: 1388902.4/35



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.058+/-0.058 χ^2/NDF:0.0/0

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.058+/-0.058 χ^2/NDF: 0.0/0

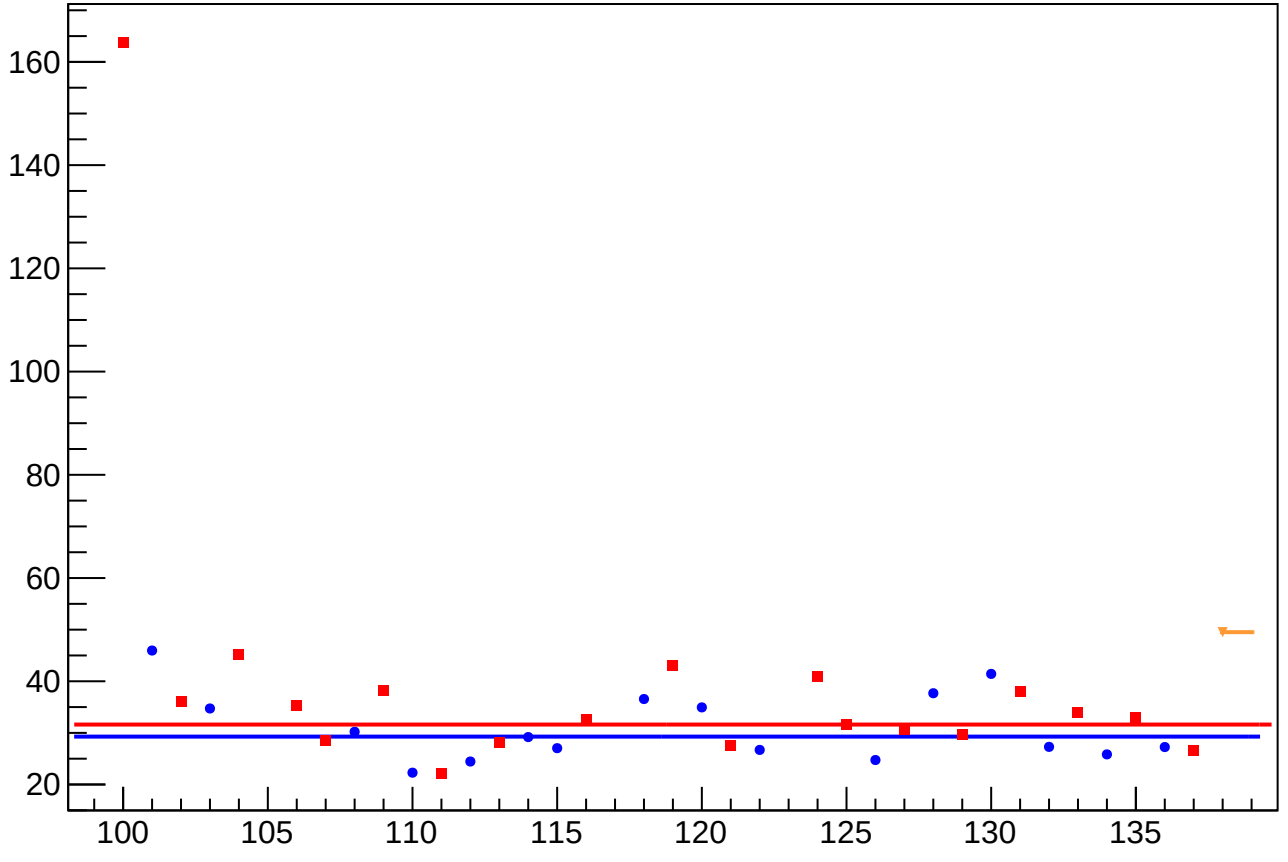
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.011 χ^2/NDF:18.8/15

Out: -0.014+/-0.012 χ^2/NDF:18.5/19

All: -0.016+/-0.008 χ^2/NDF: 37.3/35

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: 49.515+/-0.041 χ^2/NDF:0.0/0

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

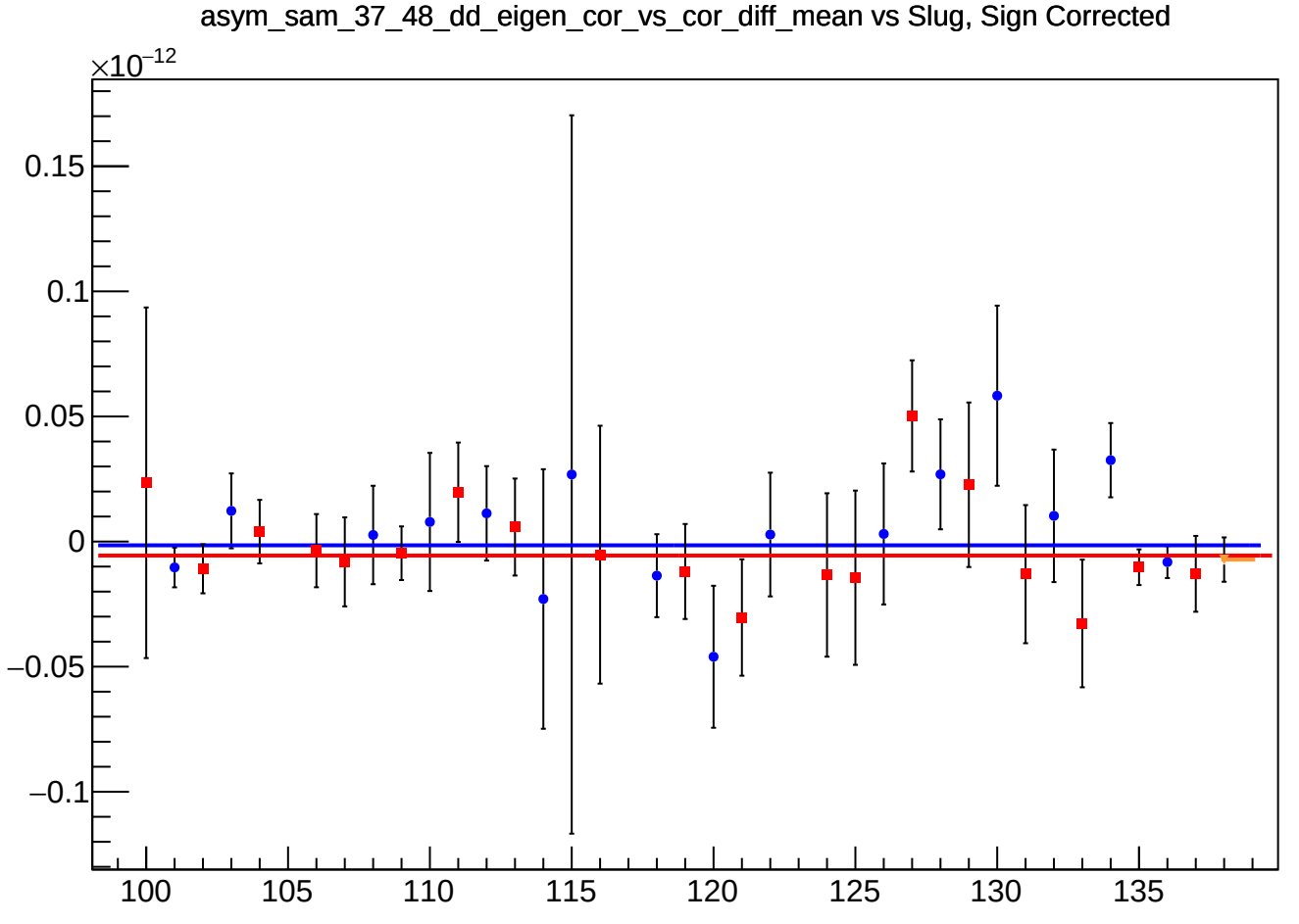
Left: 49.515+/-0.041 χ^2/NDF: 0.0/0

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.278+/-0.008 χ^2/NDF:560654.1/15

Out: 32.370+/-0.008 χ^2/NDF:757173.7/19

All: 30.758+/-0.006 χ^2/NDF: 1388902.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

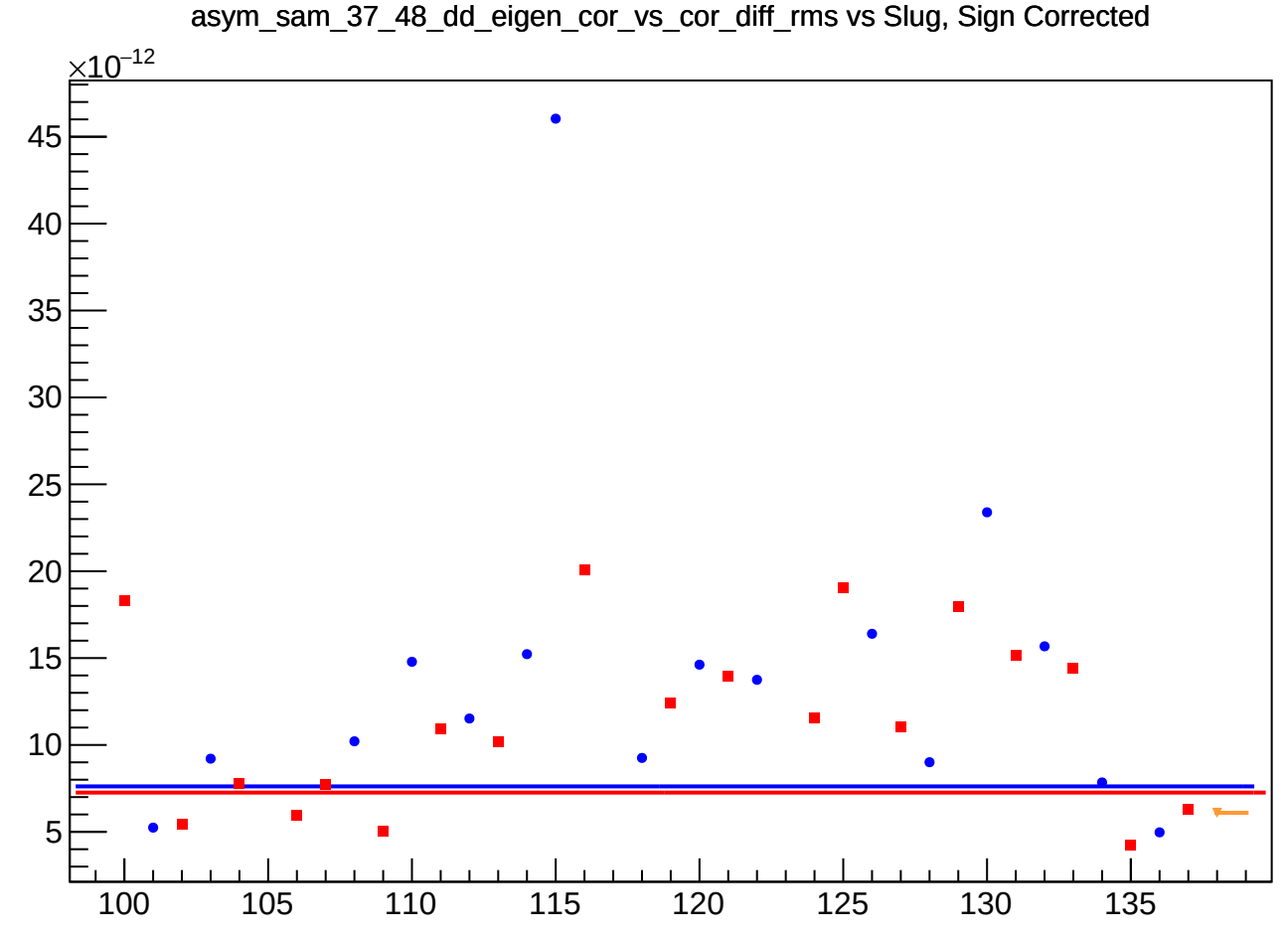
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:16.9/15

Out: -0.000+/-0.000 χ^2/NDF:13.4/19

All: -0.000+/-0.000 χ^2/NDF: 31.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

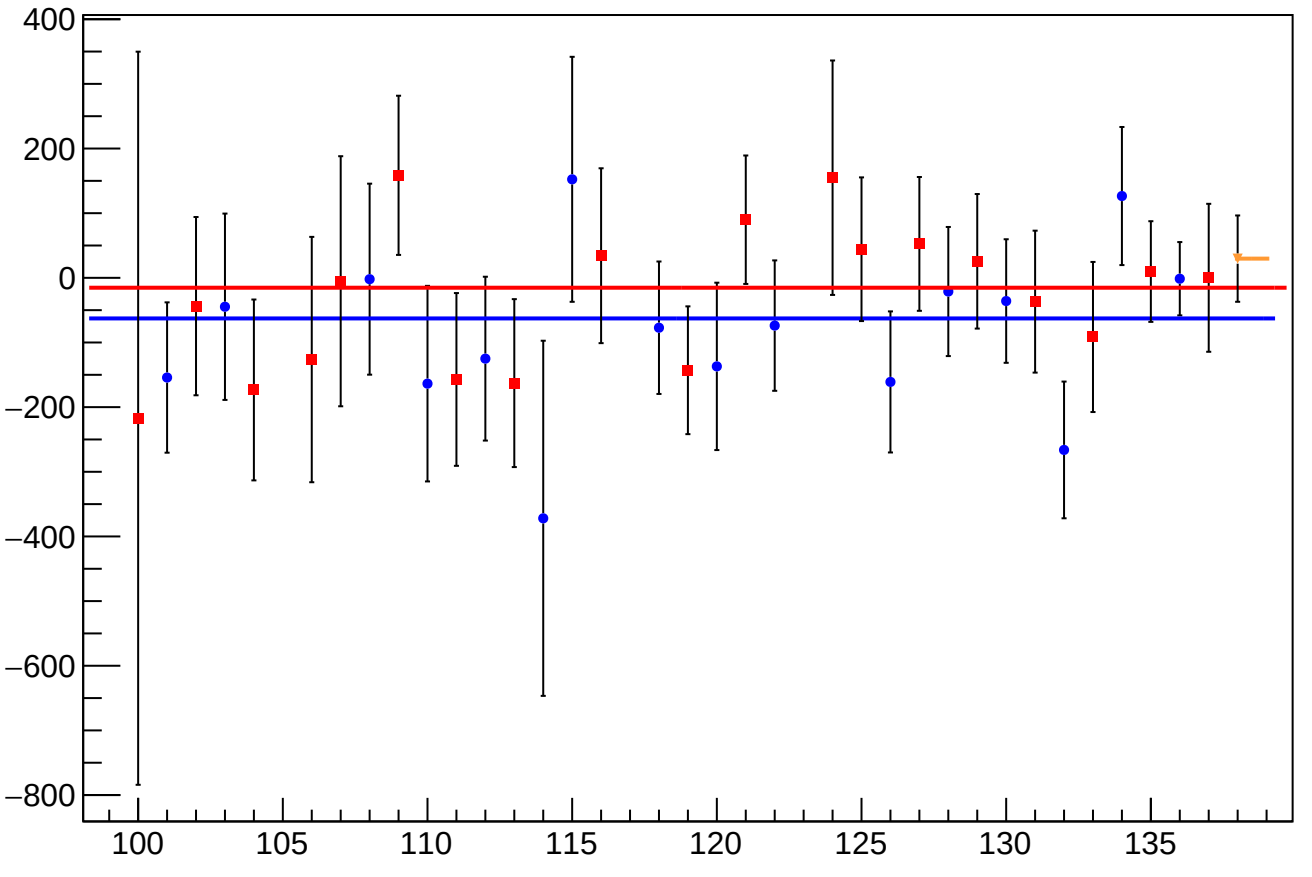
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:2021305.7/15

Out: 0.000+/-0.000 χ^2/NDF:2027723.8/19

All: 0.000+/-0.000 χ^2/NDF: 4070220.0/35



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 29.713+/-66.756 χ^2/NDF:0.0/0

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

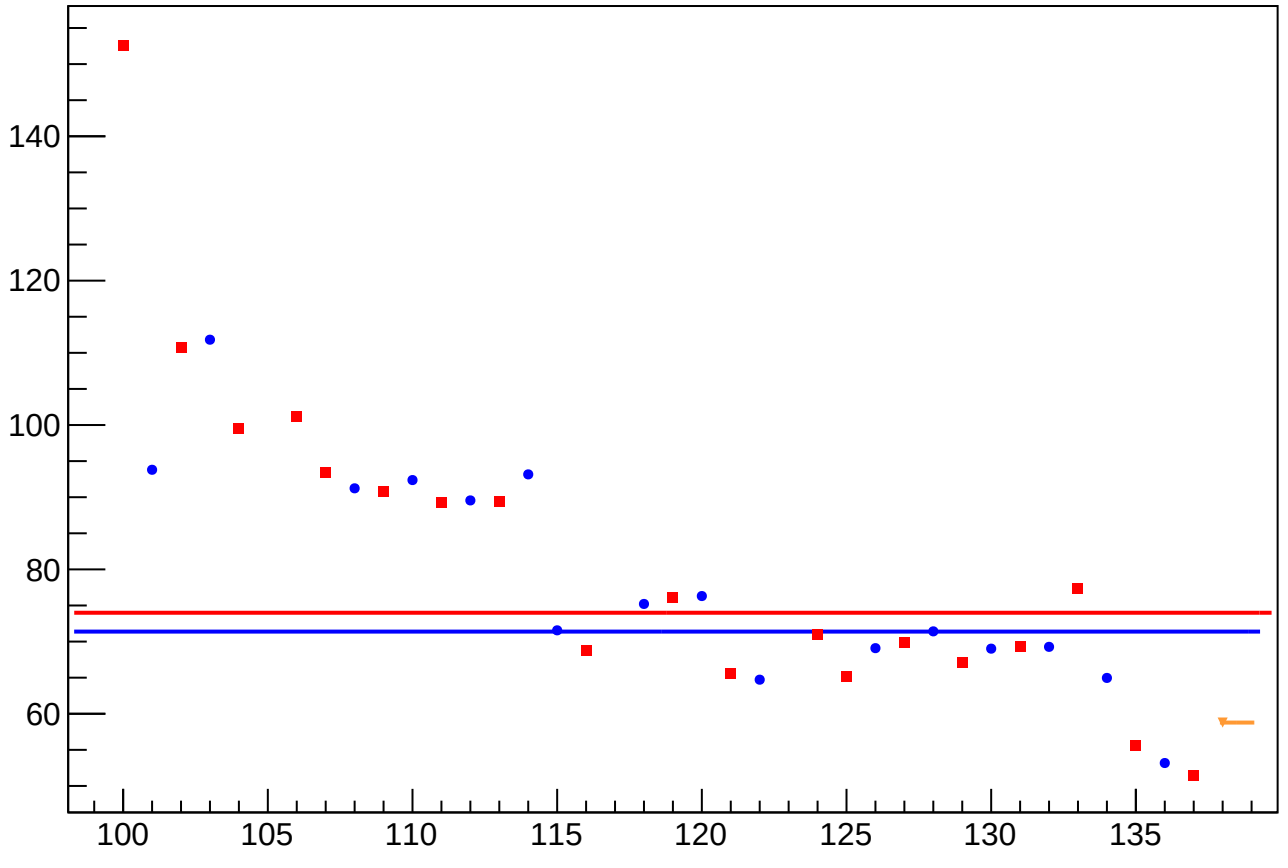
Left: 29.713+/-66.756 χ^2/NDF: 0.0/0

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -62.798+/-27.213 χ^2/NDF:13.5/15

Out: -8.649+/-25.640 χ^2/NDF:11.9/19

All: -34.113+/-18.662 χ^2/NDF: 27.4/35



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 58.781+/-0.047 χ^2/NDF:0.0/0

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

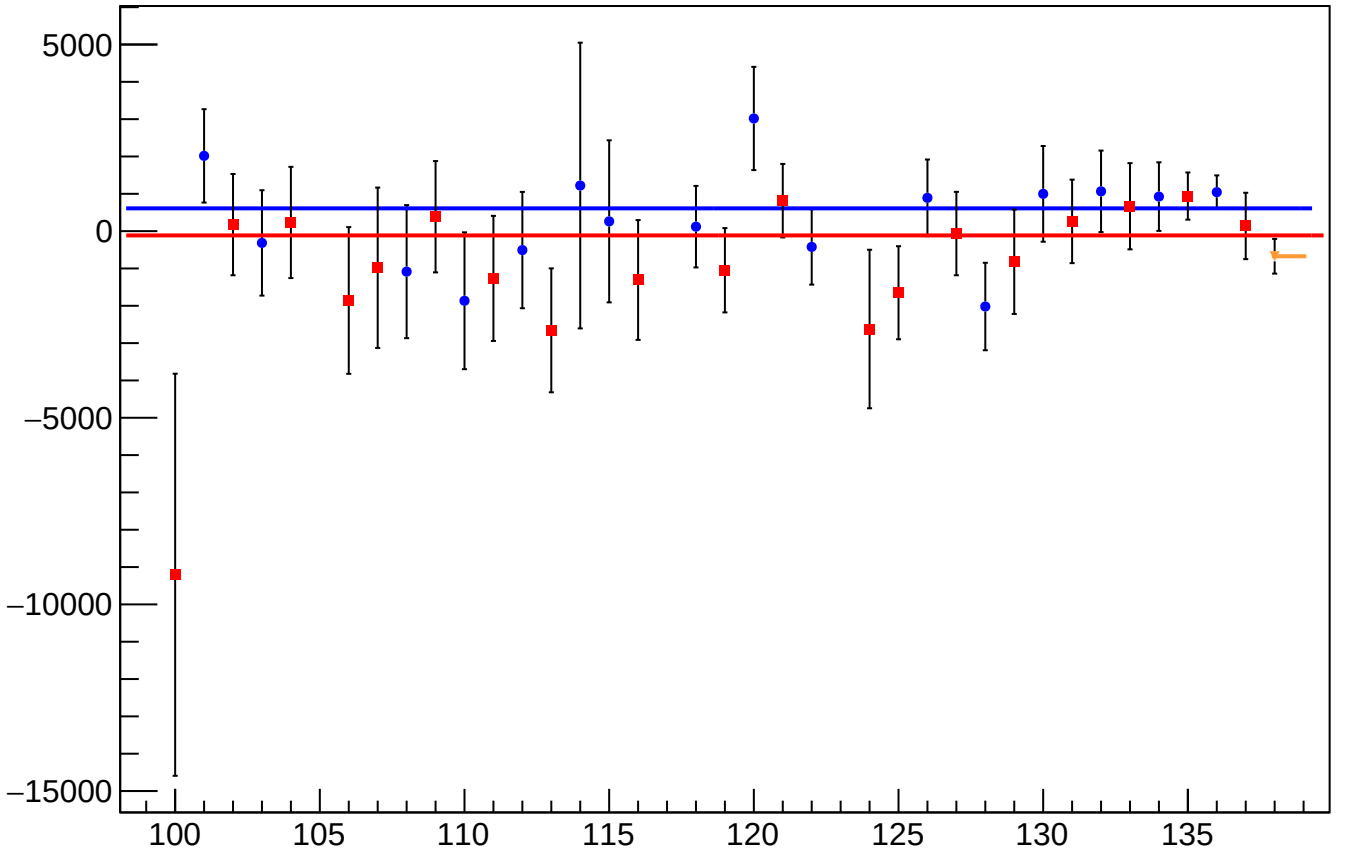
Left: 58.781+/-0.047 χ^2/NDF: 0.0/0

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 71.383+/-0.019 χ^2/NDF:590909.3/15

Out: 71.749+/-0.018 χ^2/NDF:726991.7/19

All: 71.577+/-0.013 χ^2/NDF: 1318092.9/35



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: -672.973+/-464.962 χ^2/NDF:0.0/0

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

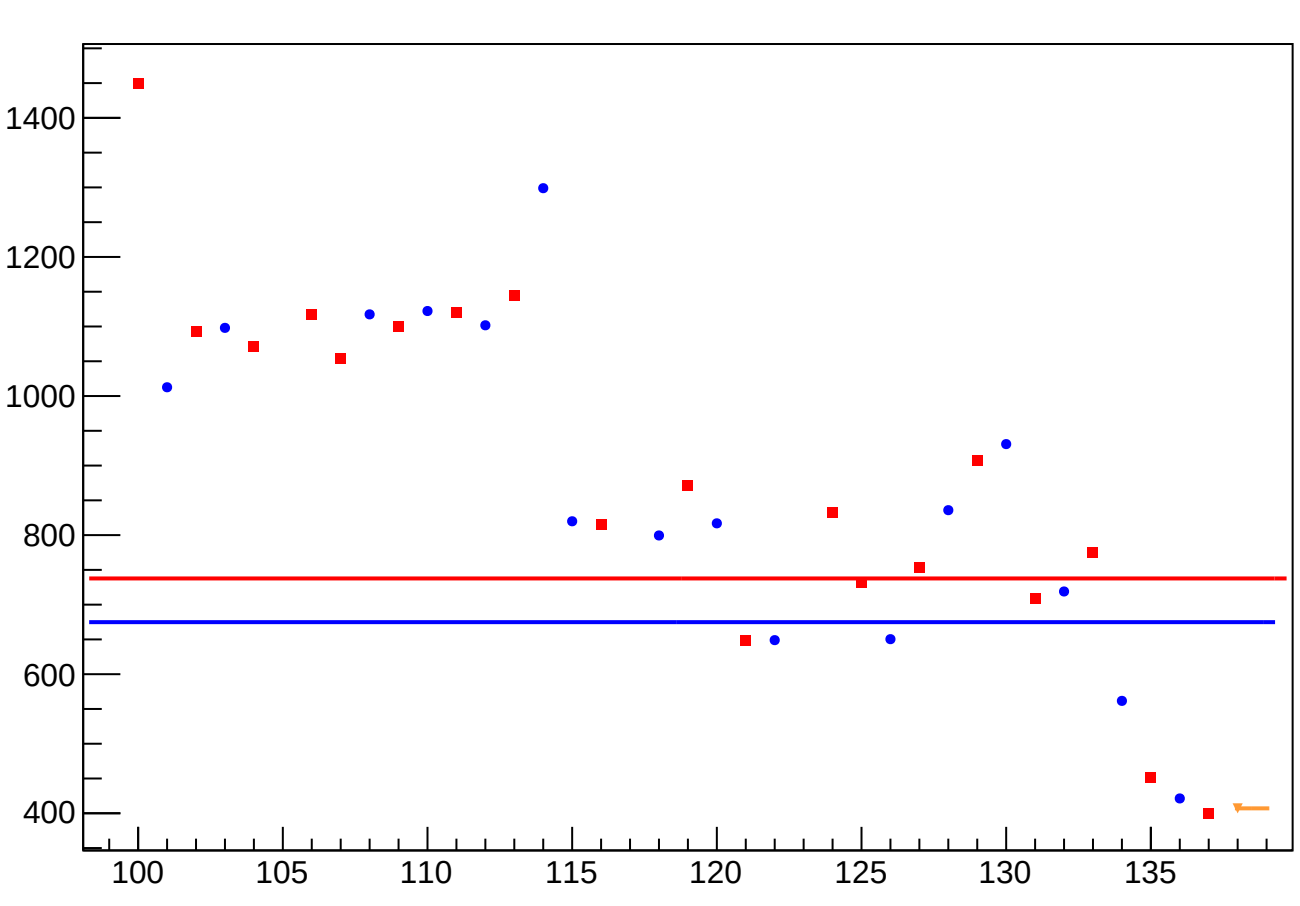
Left: -672.973+/-464.962 χ^2/NDF: 0.0/0

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 610.561+/-266.802 χ^2/NDF:15.7/15

Out: -266.582+/-242.559 χ^2/NDF:16.6/19

All: 130.336+/-179.475 χ^2/NDF: 38.2/35



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 407.065+/-0.329 χ^2/NDF:0.0/0

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

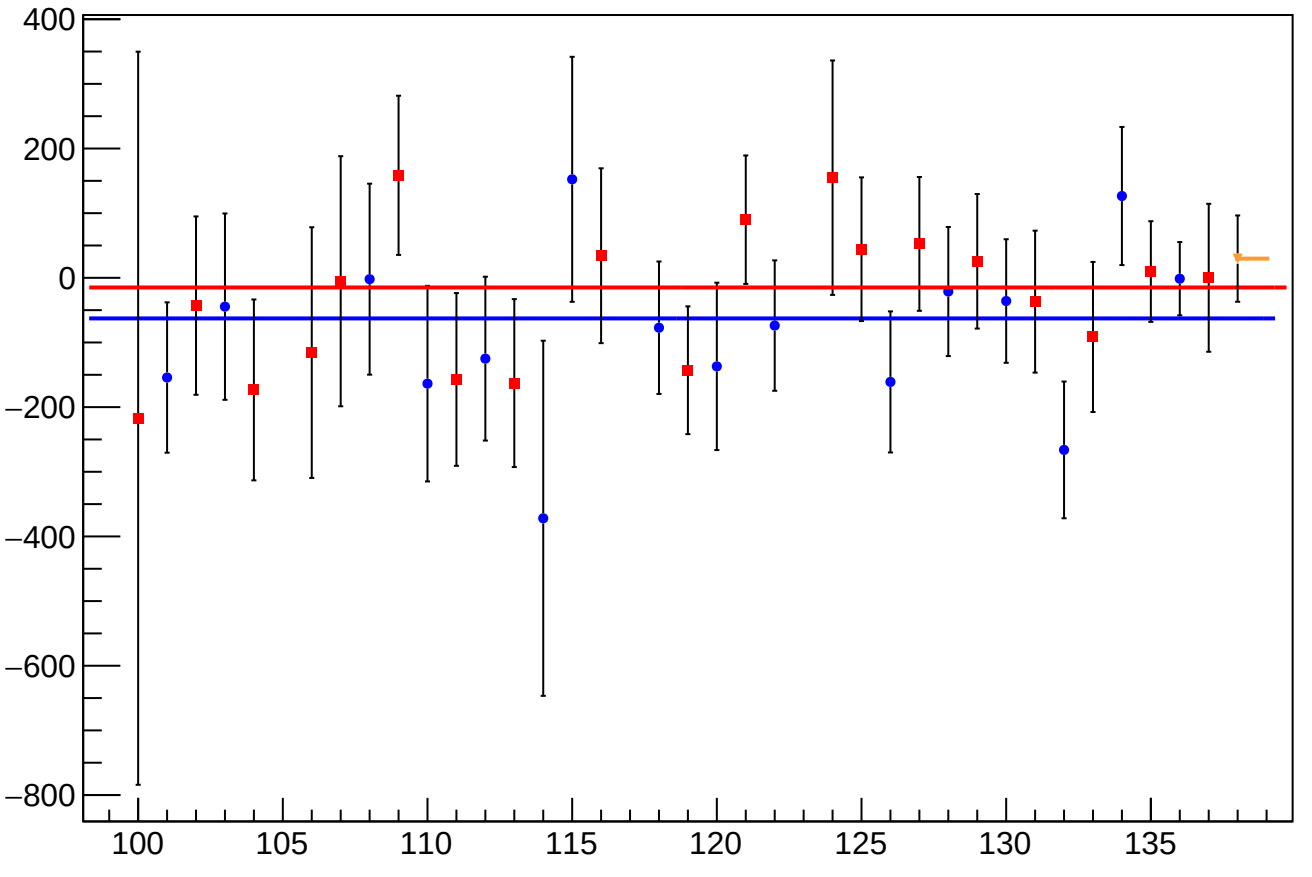
Left: 407.065+/-0.329 χ^2/NDF: 0.0/0

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 674.830+/-0.189 χ^2/NDF:1617598.7/15

Out: 647.700+/-0.172 χ^2/NDF:2252734.7/19

All: 659.977+/-0.127 χ^2/NDF: 3881655.3/35



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 29.707+/-66.756 χ^2/NDF:0.0/0

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

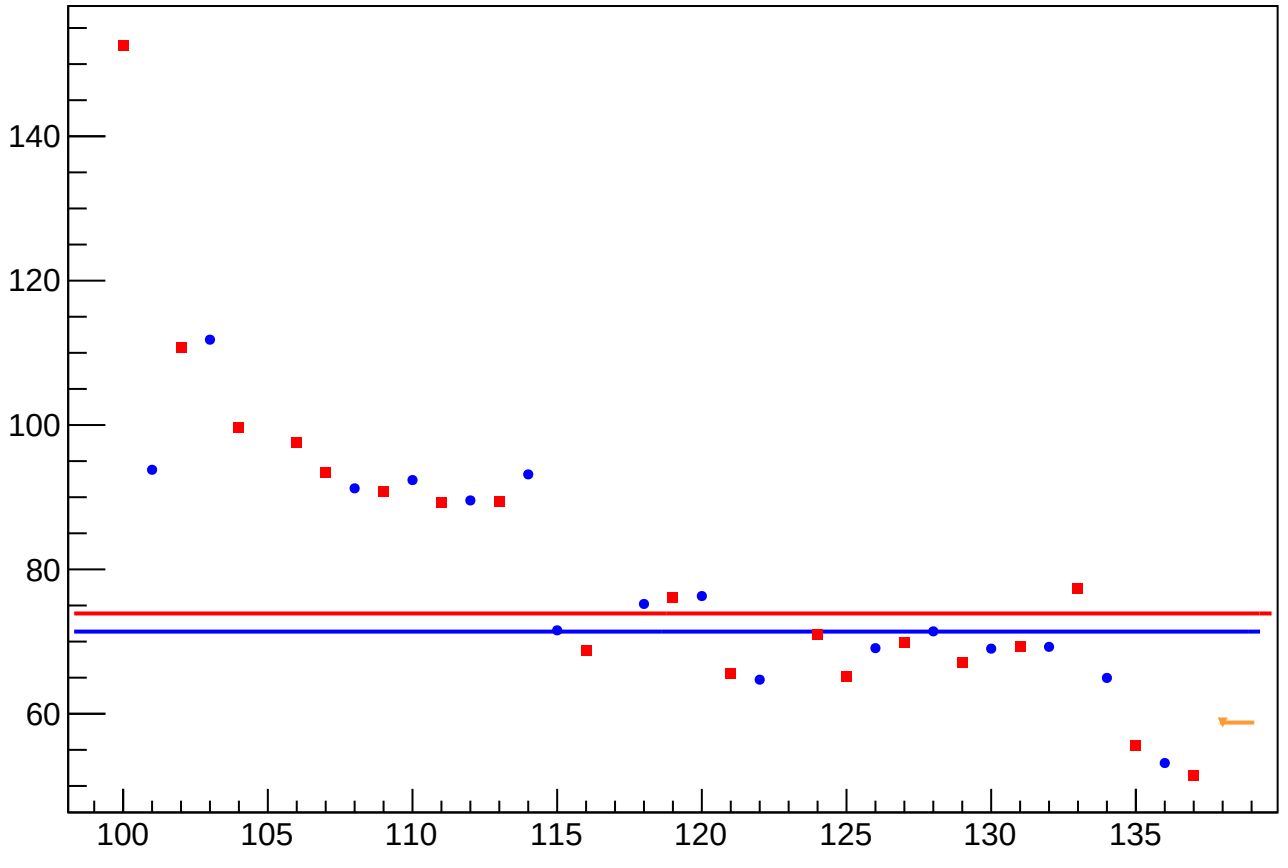
Left: 29.707+/-66.756 χ^2/NDF: 0.0/0

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -62.789+/-27.213 χ^2/NDF:13.5/15

Out: -8.341+/-25.650 χ^2/NDF:11.8/19

All: -33.957+/-18.666 χ^2/NDF: 27.4/35



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 58.781+/-0.047 χ^2/NDF:0.0/0

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

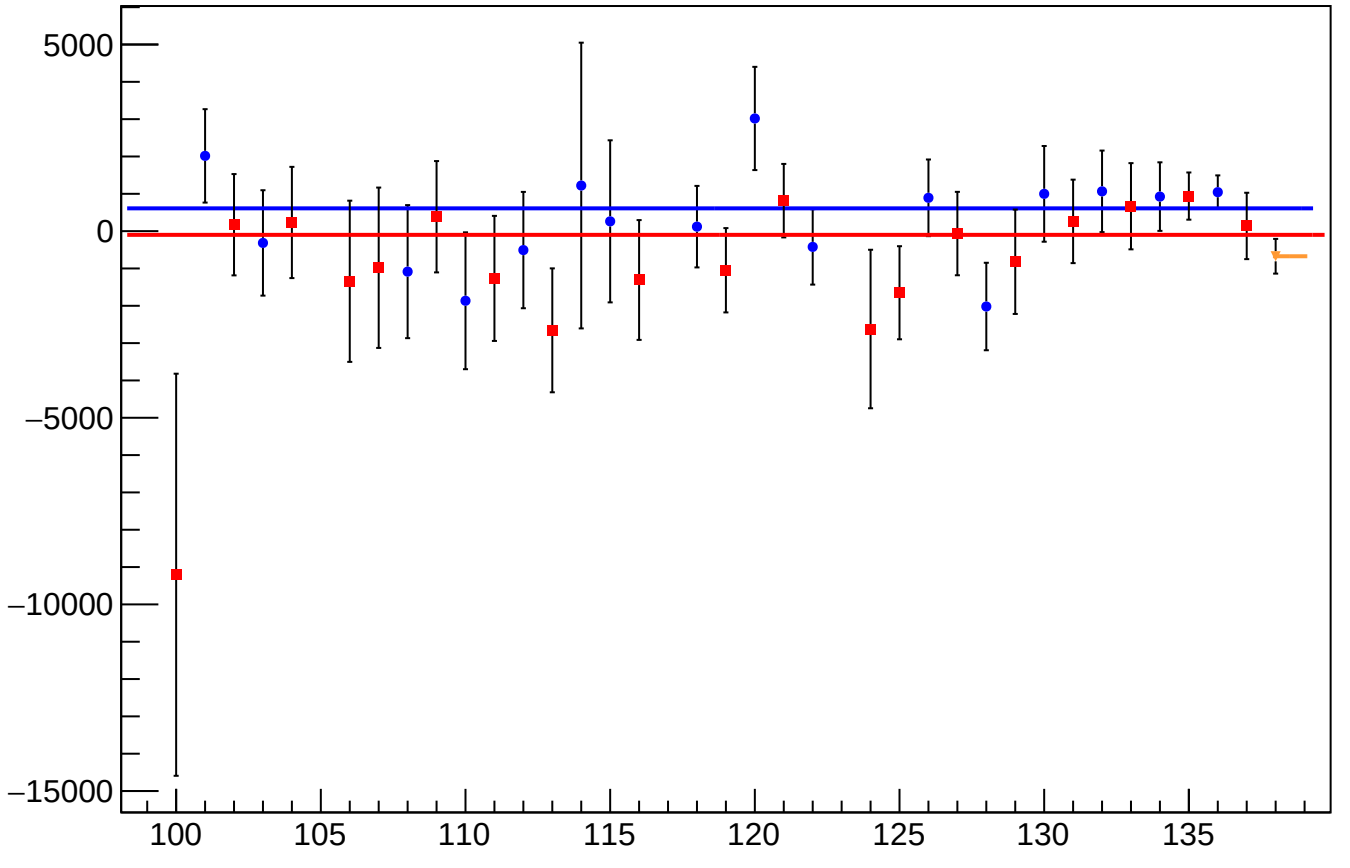
Left: 58.781+/-0.047 χ^2/NDF: 0.0/0

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 71.383+/-0.019 χ^2/NDF:590911.7/15

Out: 71.663+/-0.018 χ^2/NDF:714390.9/19

All: 71.531+/-0.013 χ^2/NDF: 1305414.3/35



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: -672.965+/-464.963 χ^2/NDF:0.0/0

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

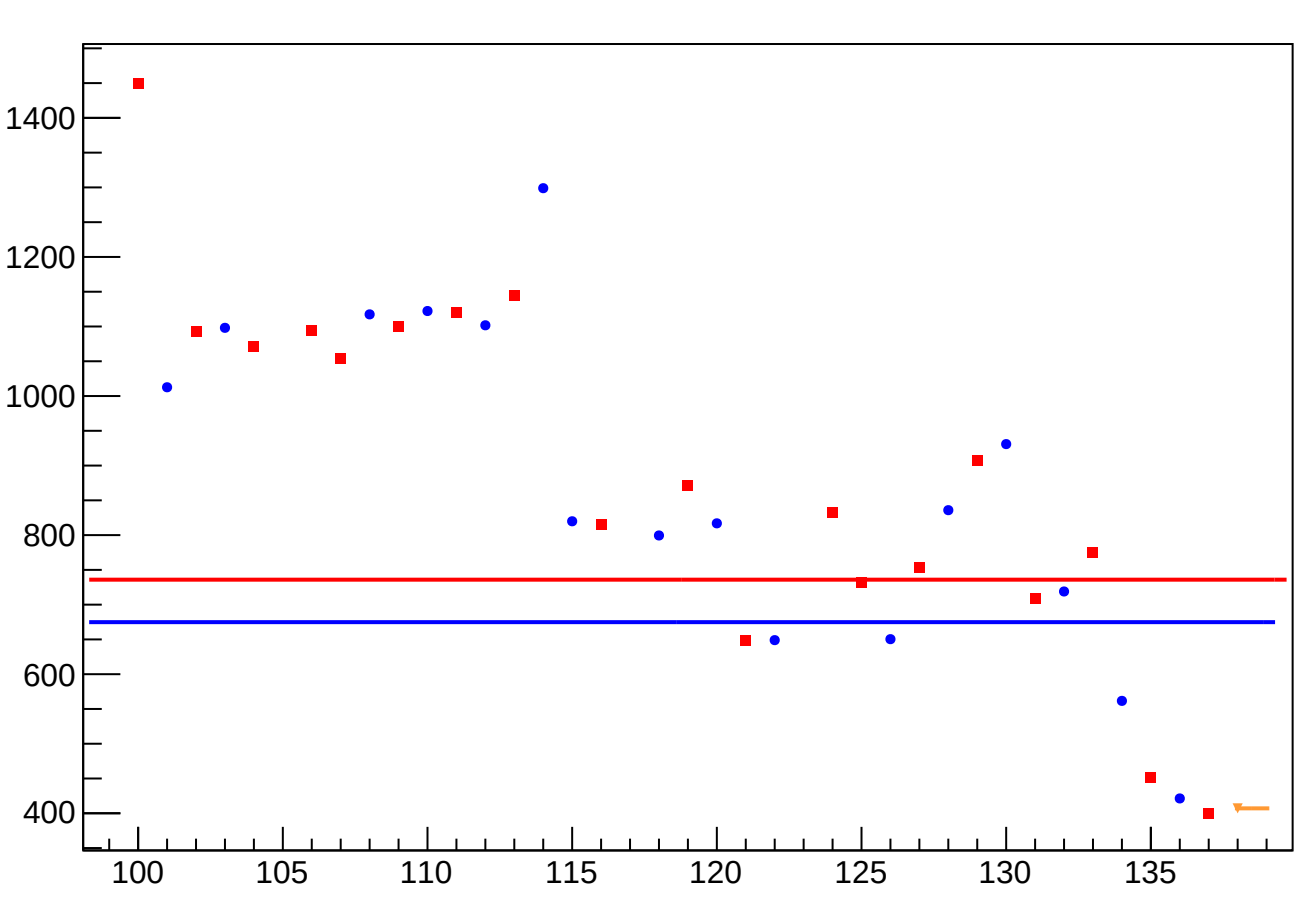
Left: -672.965+/-464.963 χ^2/NDF: 0.0/0

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 610.549+/-266.803 χ^2/NDF:15.7/15

Out: -256.020+/-242.881 χ^2/NDF:16.2/19

All: 136.683+/-179.606 χ^2/NDF: 37.7/35



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 407.065+/-0.329 χ^2/NDF:0.0/0

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

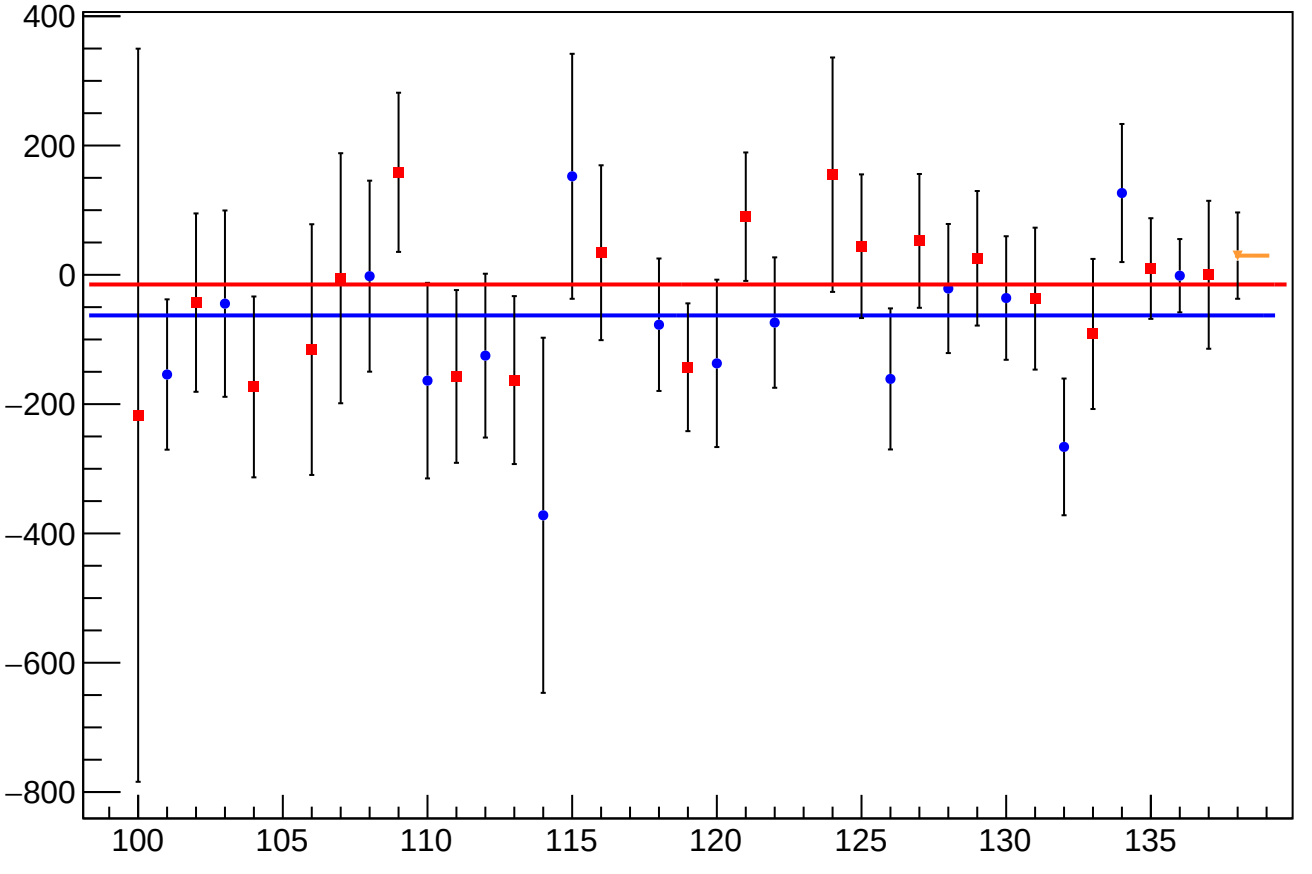
Left: 407.065+/-0.329 χ^2/NDF: 0.0/0

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 674.831+/-0.189 χ^2/NDF:1617624.1/15

Out: 646.186+/-0.172 χ^2/NDF:2224444.4/19

All: 659.167+/-0.127 χ^2/NDF: 3854675.1/35



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 29.707+/-66.756 χ^2/NDF:0.0/0

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

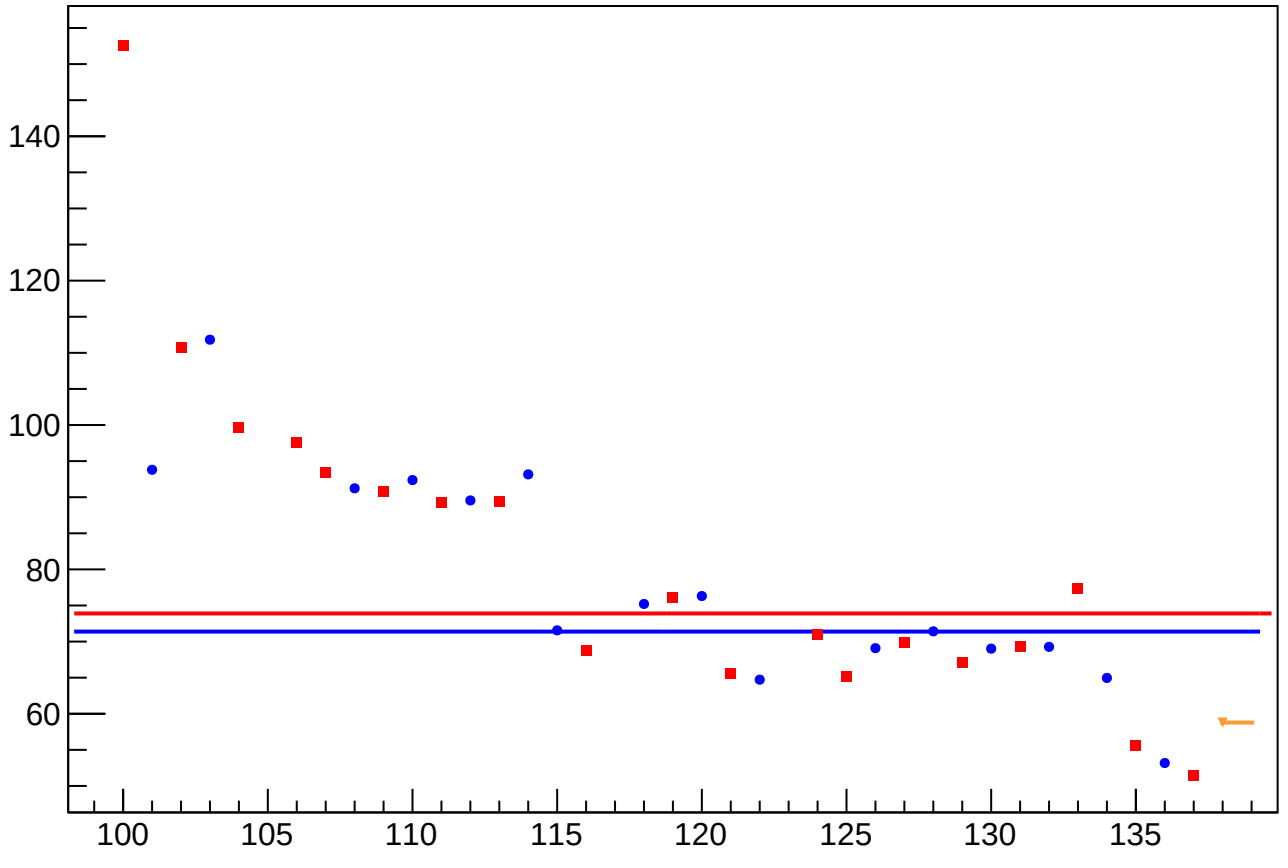
Left: 29.707+/-66.756 χ^2/NDF: 0.0/0

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -62.789+/-27.213 χ^2/NDF:13.5/15

Out: -8.341+/-25.650 χ^2/NDF:11.8/19

All: -33.957+/-18.666 χ^2/NDF: 27.4/35



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 58.781+/-0.047 χ^2/NDF:0.0/0

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

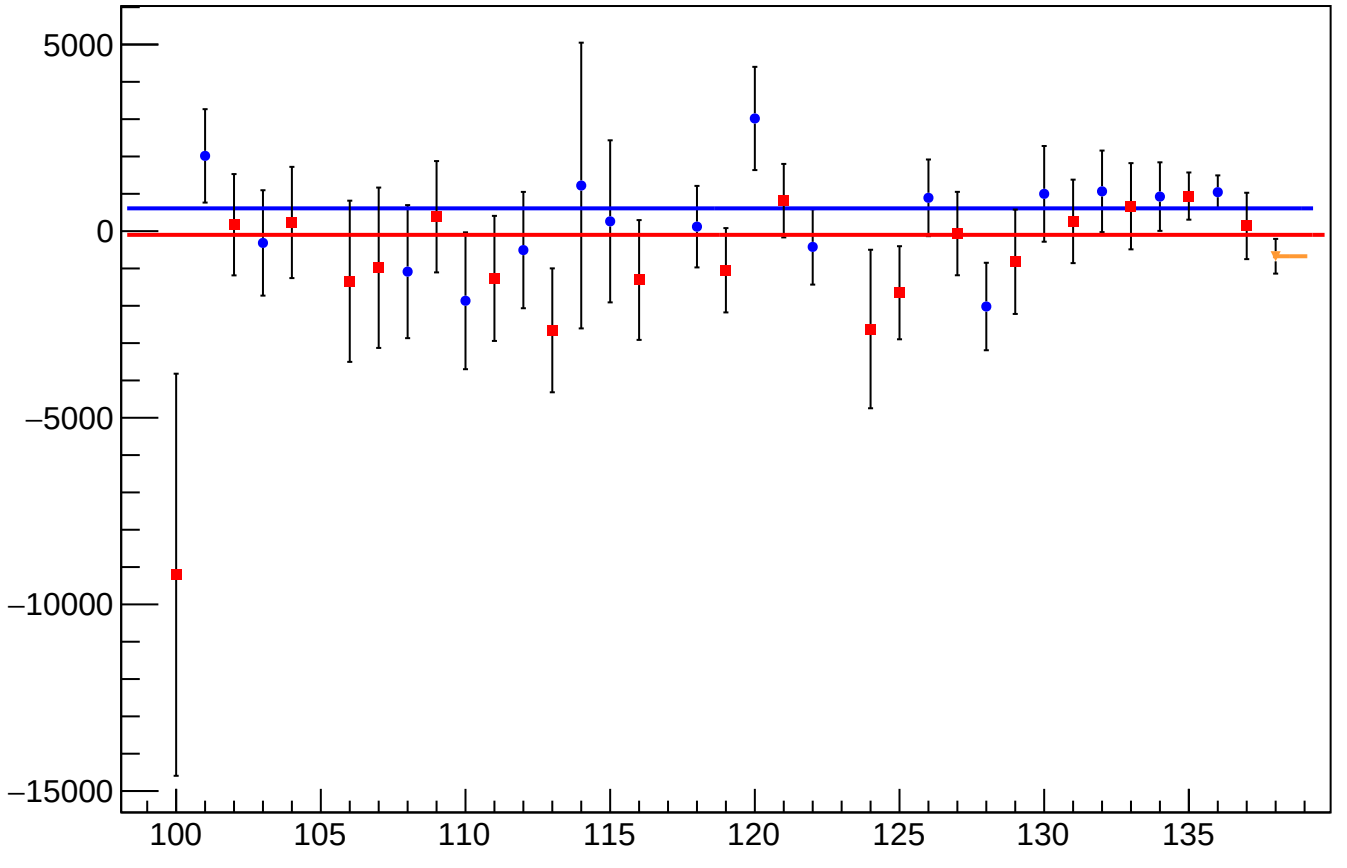
Left: 58.781+/-0.047 χ^2/NDF: 0.0/0

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 71.383+/-0.019 χ^2/NDF:590911.7/15

Out: 71.663+/-0.018 χ^2/NDF:714390.9/19

All: 71.531+/-0.013 χ^2/NDF: 1305414.3/35



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: -672.965+/-464.963 χ^2/NDF:0.0/0

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -672.965+/-464.963 χ^2/NDF: 0.0/0

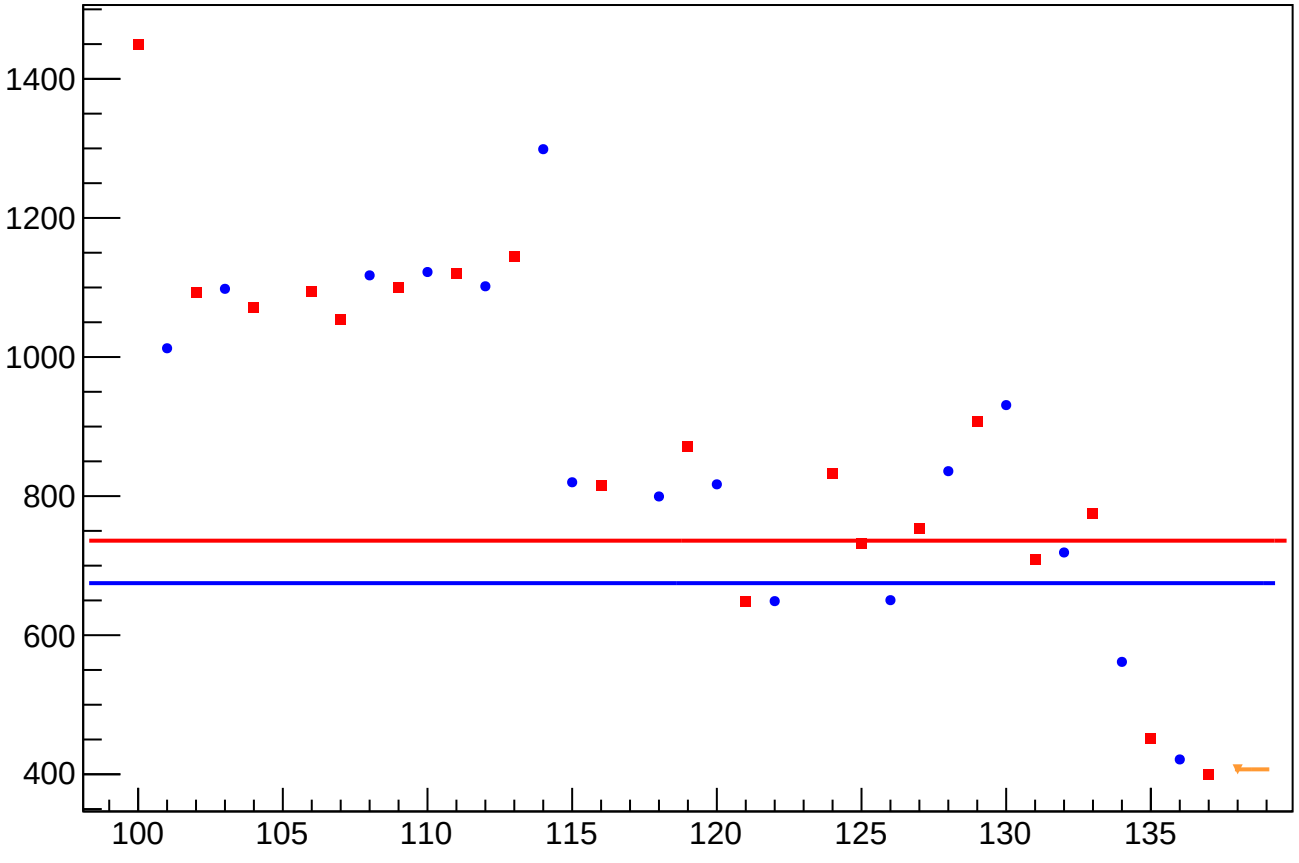
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 610.549+/-266.803 χ^2/NDF:15.7/15

Out: -256.020+/-242.881 χ^2/NDF:16.2/19

All: 136.683+/-179.606 χ^2/NDF: 37.7/35

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 407.065+/-0.329 χ^2/NDF:0.0/0

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

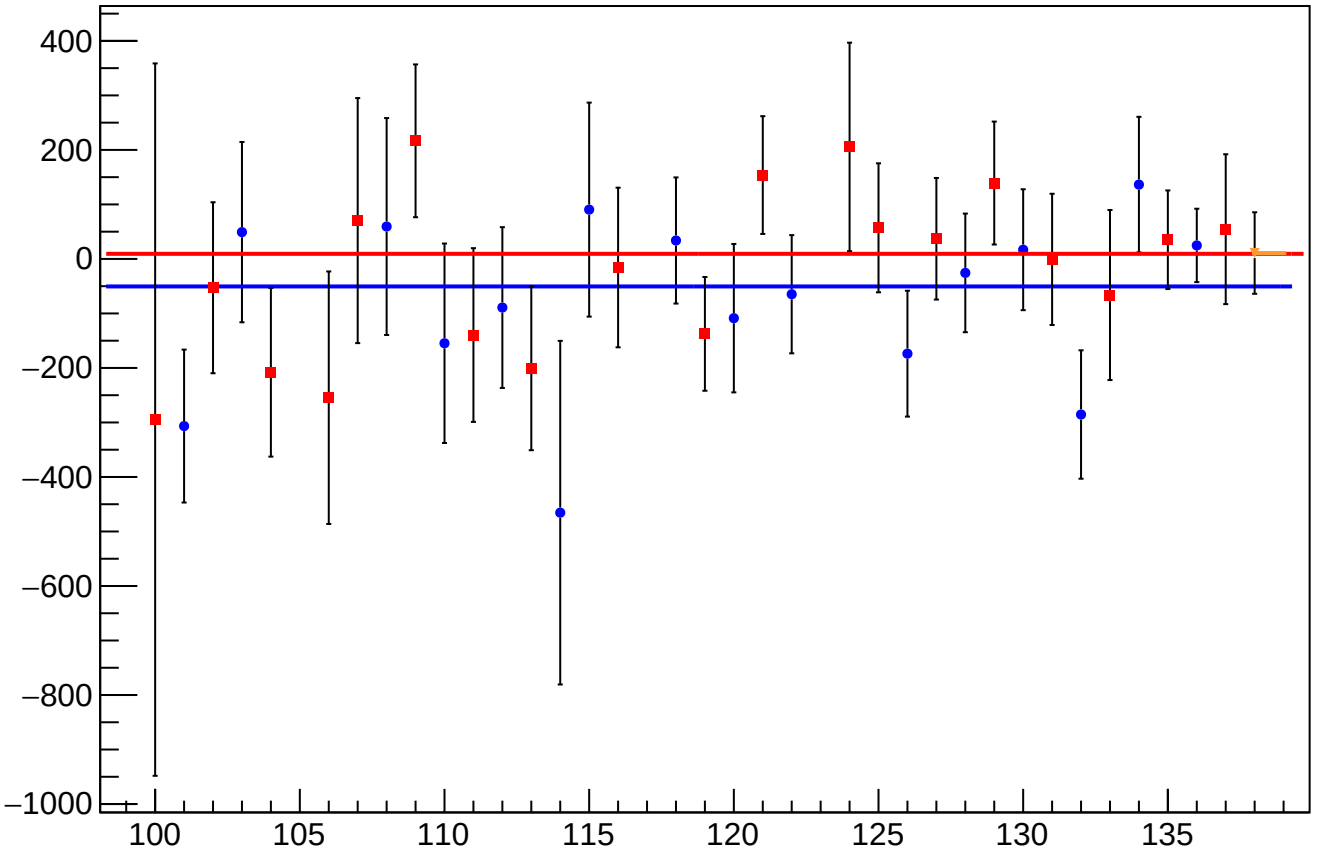
Left: 407.065+/-0.329 χ^2/NDF: 0.0/0

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 674.831+/-0.189 χ^2/NDF:1617624.1/15

Out: 646.186+/-0.172 χ^2/NDF:2224444.4/19

All: 659.167+/-0.127 χ^2/NDF: 3854675.1/35



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: 10.850+/-74.750 χ^2/NDF:0.0/0

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 10.850+/-74.750 χ^2/NDF: 0.0/0

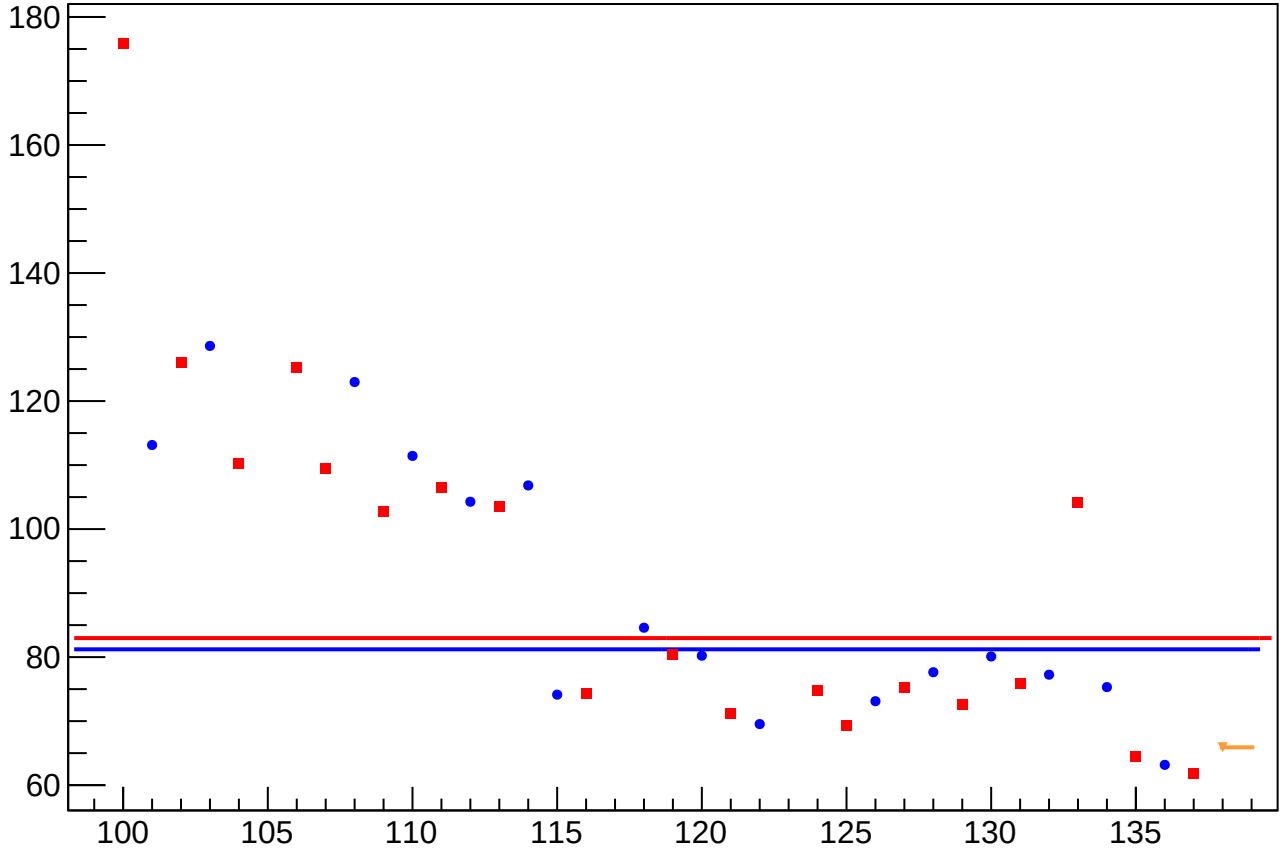
Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -50.465+/-31.061 χ^2/NDF:16.4/15

Out: 9.599+/-28.820 χ^2/NDF:15.6/19

All: -18.188+/-21.127 χ^2/NDF: 34.0/35

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: 65.905+/-0.053 χ^2/NDF:0.0/0

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

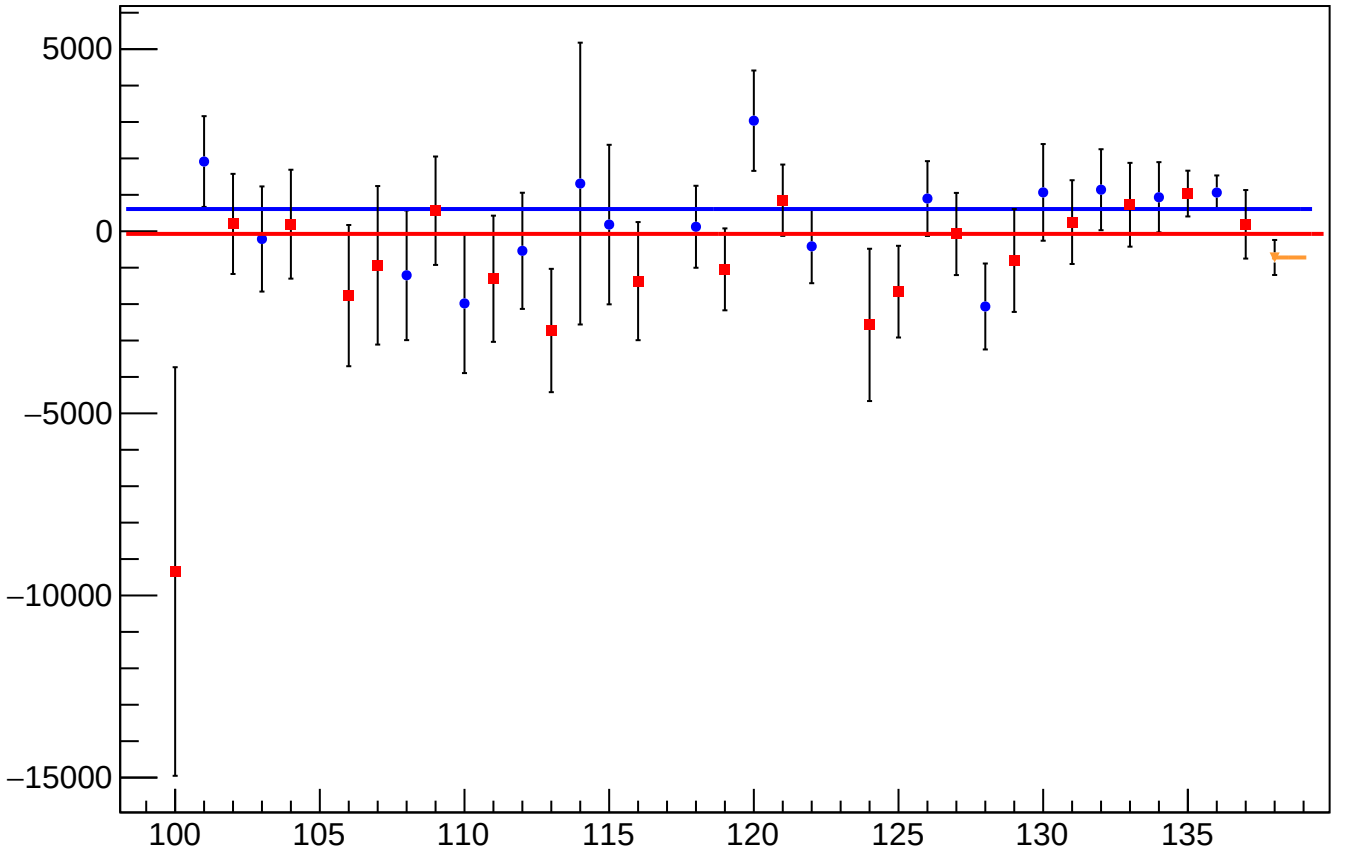
Left: 65.905+/-0.053 χ^2/NDF: 0.0/0

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 81.218+/-0.022 χ^2/NDF:662873.6/15

Out: 80.434+/-0.020 χ^2/NDF:819132.3/19

All: 80.797+/-0.015 χ^2/NDF: 1482690.6/35



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: -719.942+/-480.629 χ^2/NDF:0.0/0

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

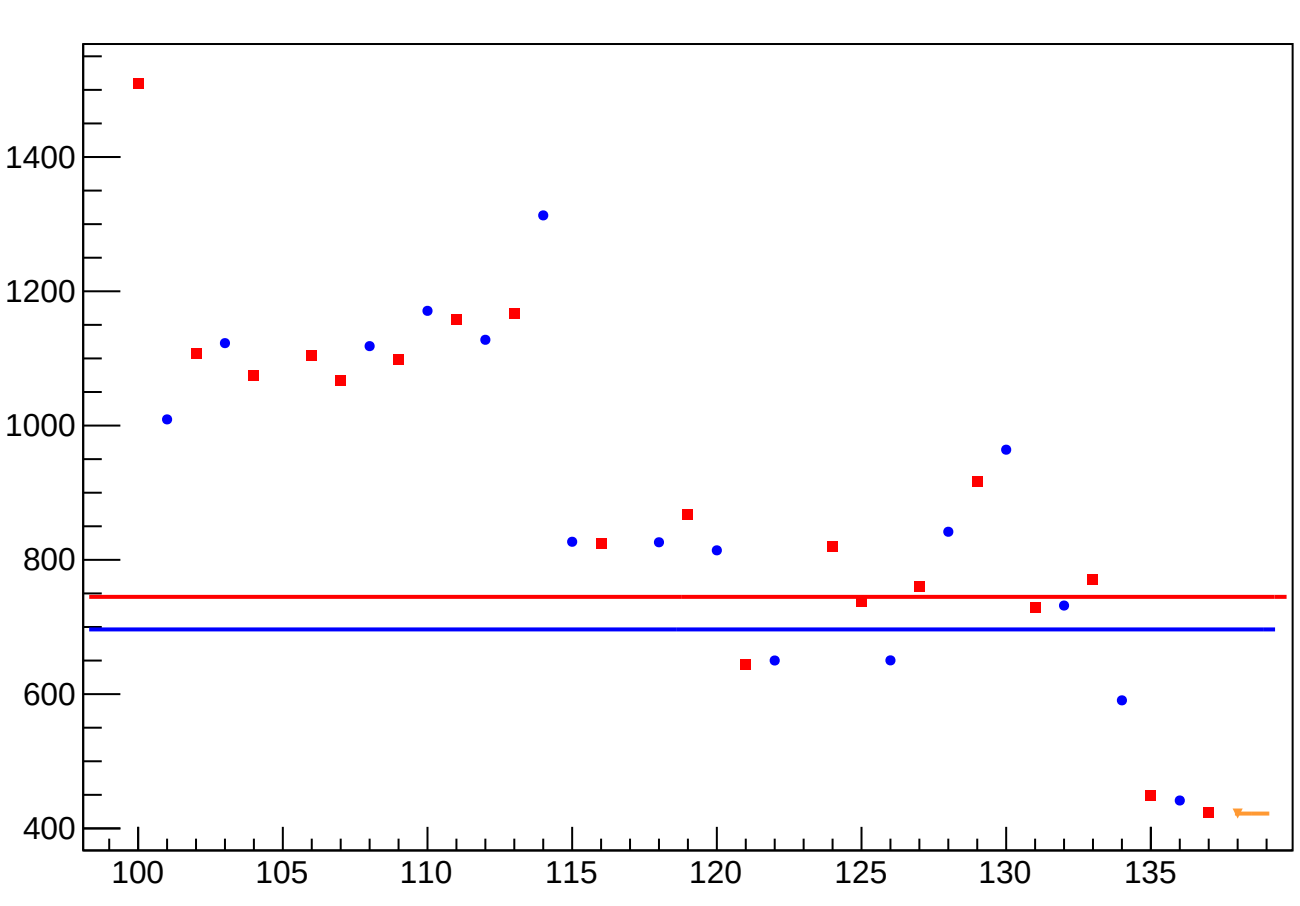
Left: -719.942+/-480.629 χ^2/NDF: 0.0/0

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 610.383+/-273.982 χ^2/NDF:15.8/15

Out: -242.390+/-246.304 χ^2/NDF:17.5/19

All: 138.759+/-183.169 χ^2/NDF: 38.7/35



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 422.104+/-0.340 χ^2/NDF:0.0/0

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

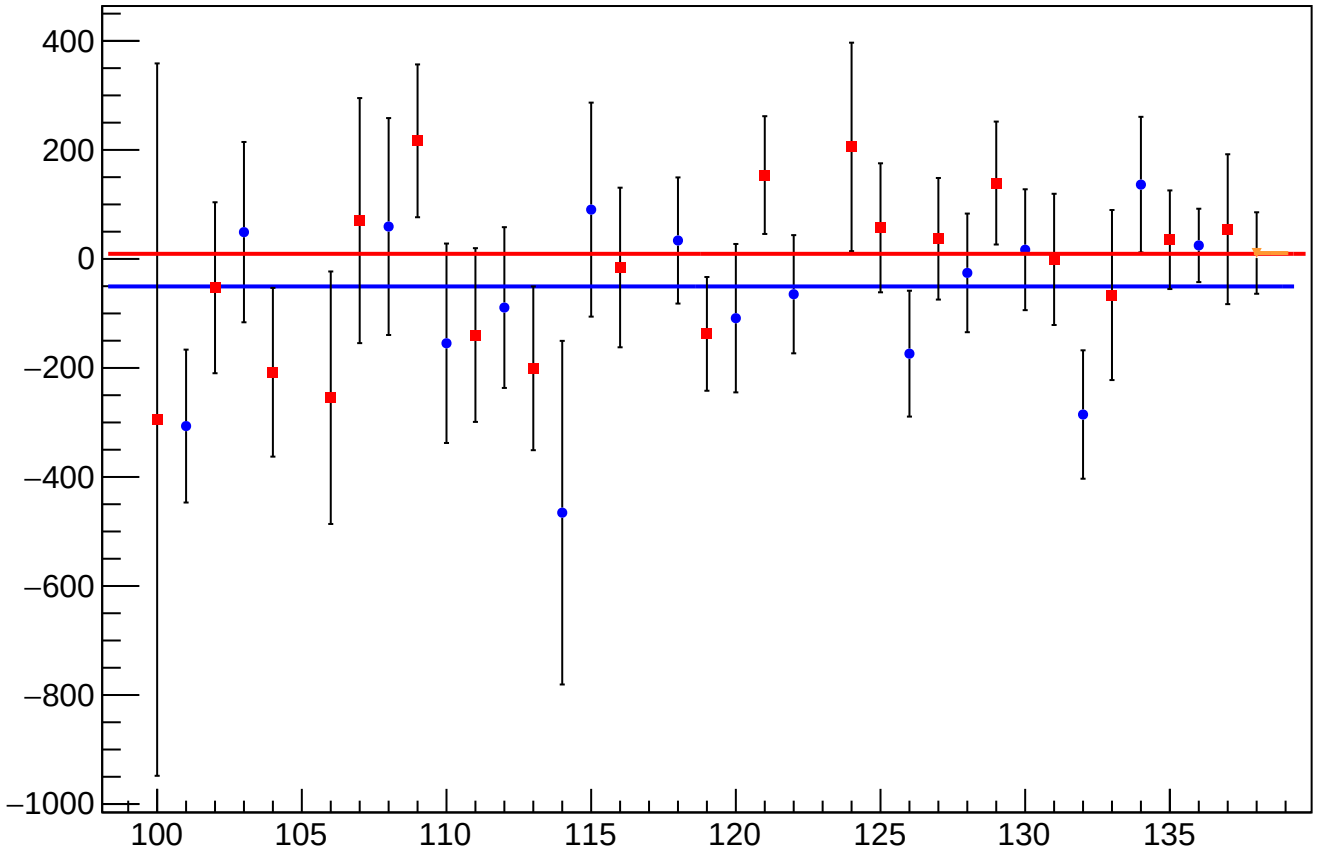
Left: 422.104+/-0.340 χ^2/NDF: 0.0/0

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 696.371+/-0.194 χ^2/NDF:1515478.0/15

Out: 660.110+/-0.174 χ^2/NDF:2163471.9/19

All: 676.317+/-0.130 χ^2/NDF: 3698324.5/35



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: 10.851+/-74.750 χ^2/NDF:0.0/0

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

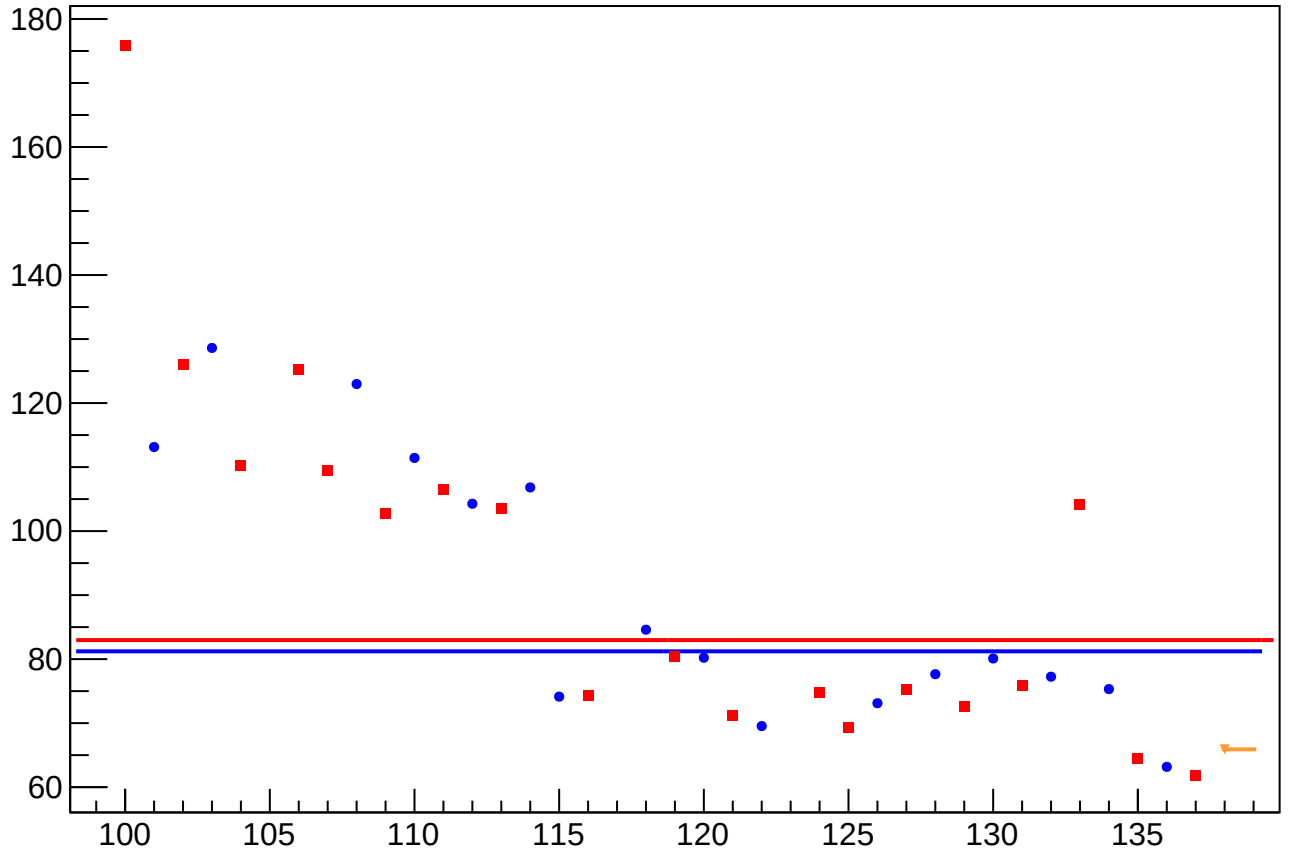
Left: 10.851+/-74.750 χ^2/NDF: 0.0/0

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -50.466+/-31.061 χ^2/NDF:16.4/15

Out: 9.599+/-28.820 χ^2/NDF:15.6/19

All: -18.188+/-21.127 χ^2/NDF: 34.0/35



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 65.906+/-0.053 χ^2/NDF:0.0/0

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 65.906+/-0.053 χ^2/NDF: 0.0/0

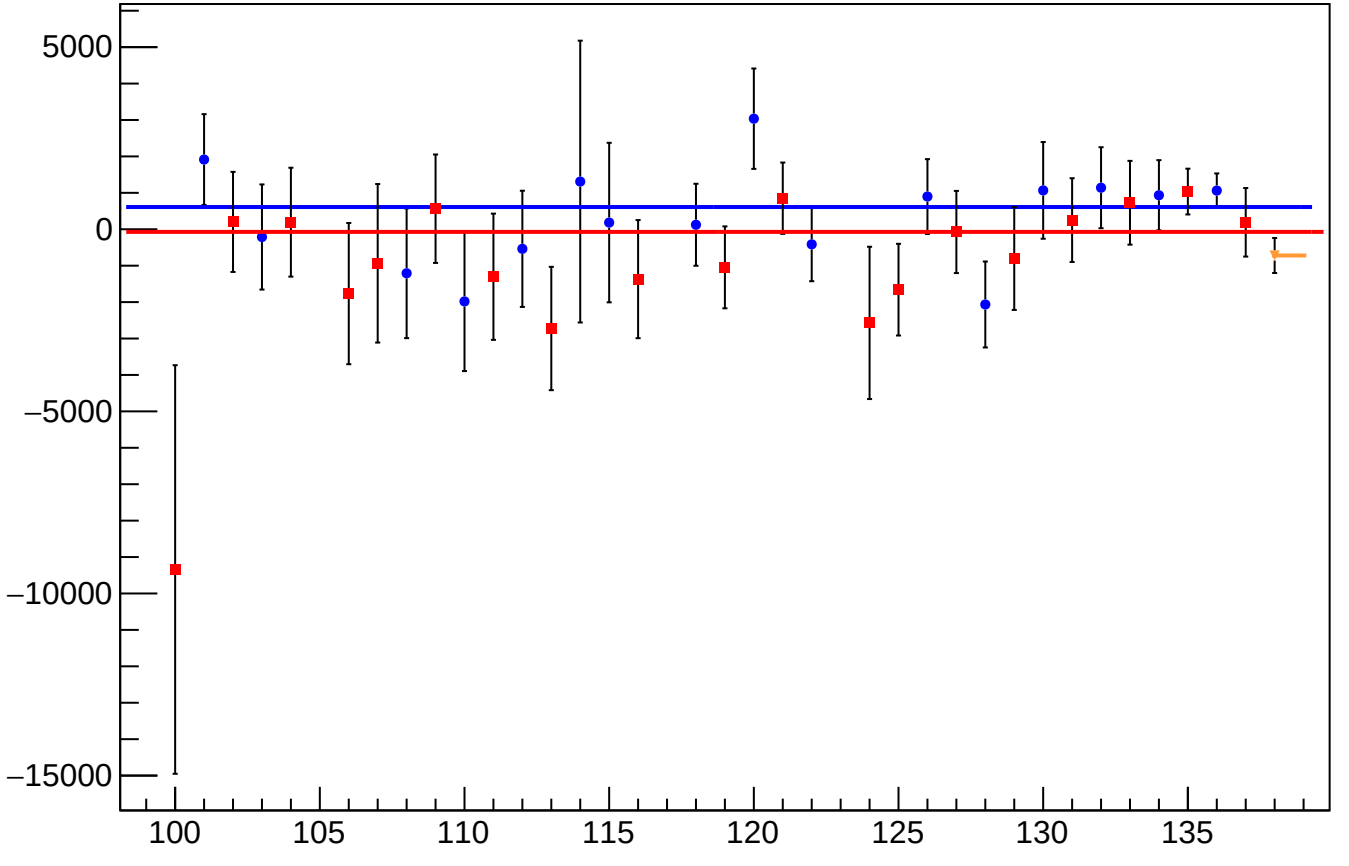
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 81.218+/-0.022 χ^2/NDF:662862.1/15

Out: 80.434+/-0.020 χ^2/NDF:819118.2/19

All: 80.796+/-0.015 χ^2/NDF: 1482664.5/35

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: -719.940+/-480.628 χ^2/NDF:0.0/0

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

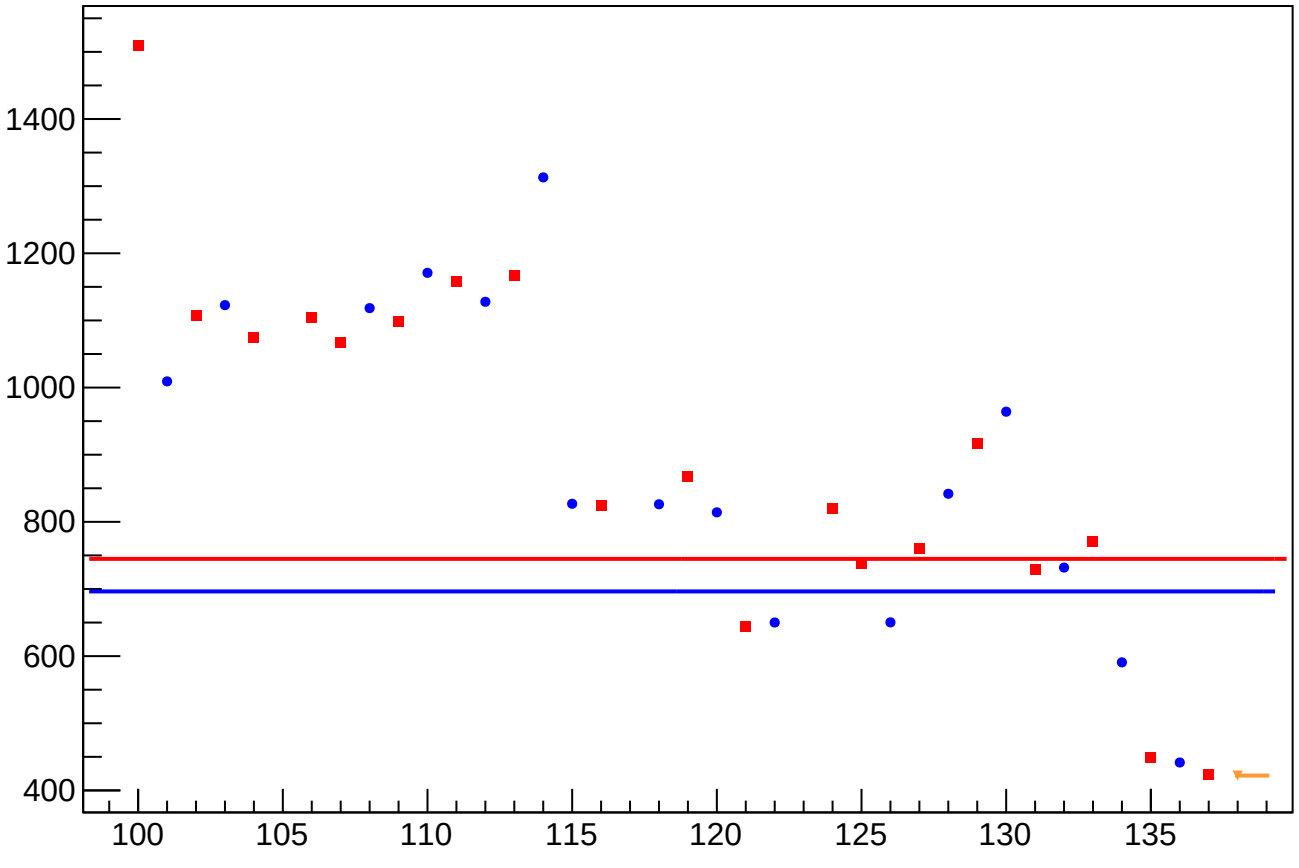
Left: -719.940+/-480.628 χ^2/NDF: 0.0/0

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 610.382+/-273.981 χ^2/NDF:15.8/15

Out: -242.391+/-246.304 χ^2/NDF:17.5/19

All: 138.758+/-183.169 χ^2/NDF: 38.7/35



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 422.103+/-0.340 χ^2/NDF:0.0/0

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 422.103+/-0.340 χ^2/NDF: 0.0/0

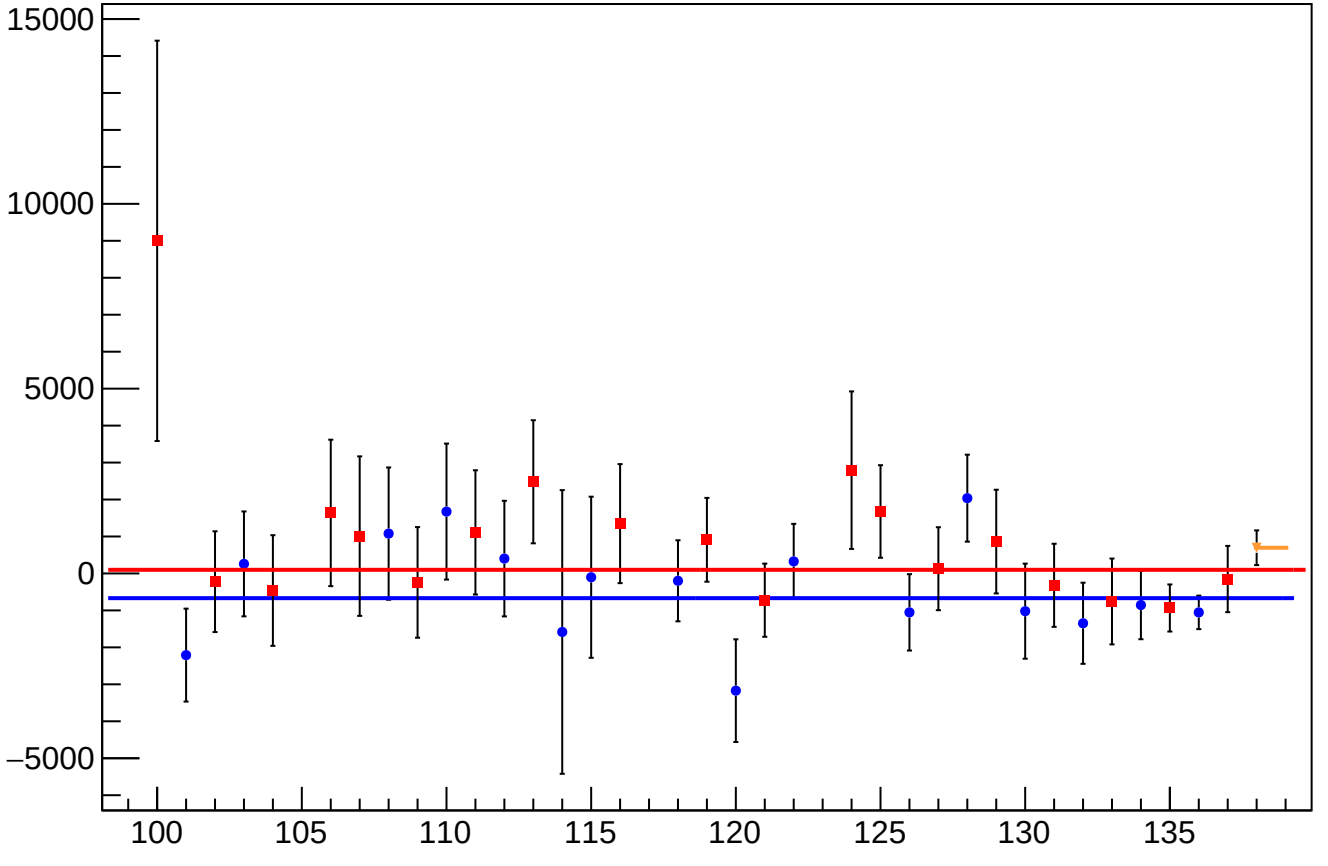
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 696.370+/-0.194 χ^2/NDF:1515461.8/15

Out: 660.109+/-0.174 χ^2/NDF:2163458.3/19

All: 676.316+/-0.130 χ^2/NDF: 3698294.8/35

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: 695.070+/-469.816 χ^2/NDF:0.0/0

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 695.070+/-469.816 χ^2/NDF: 0.0/0

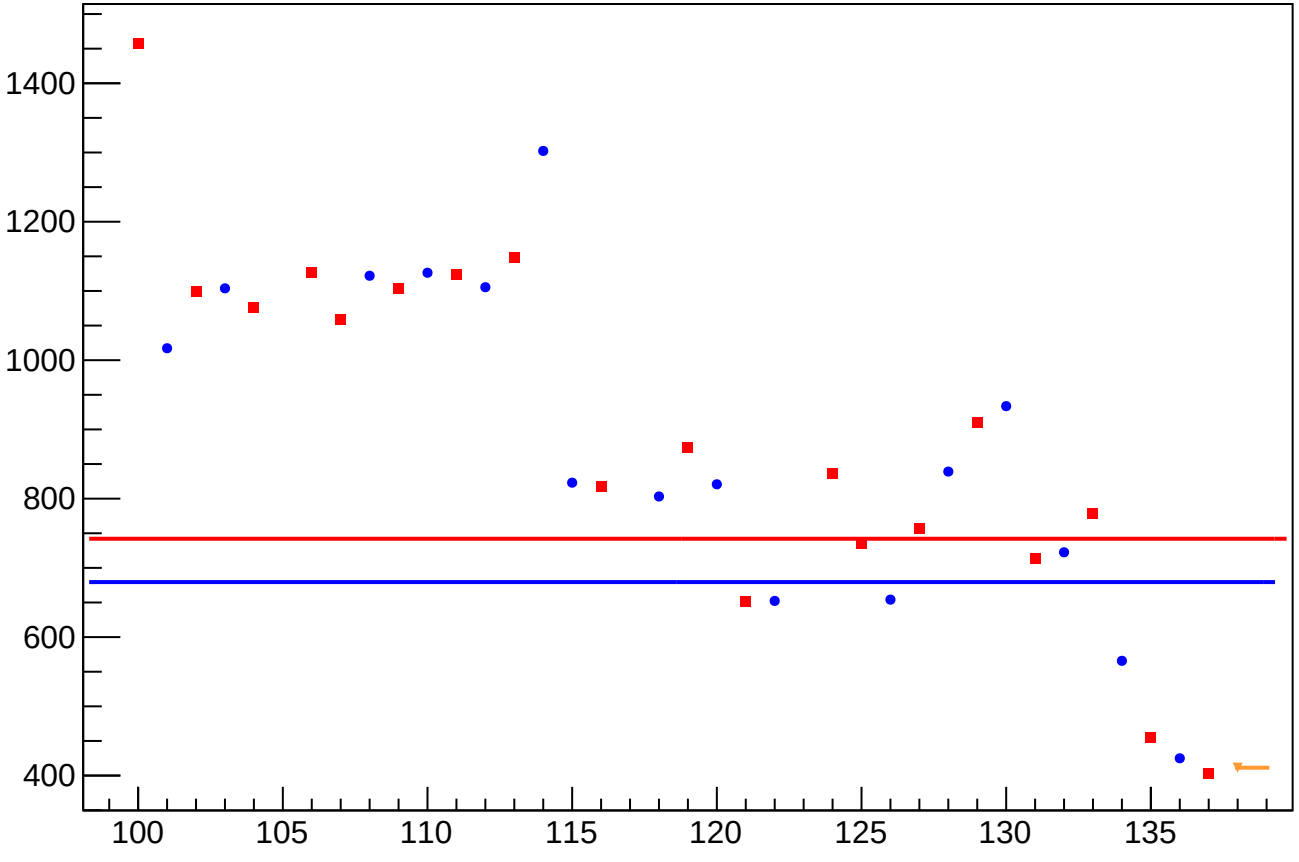
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -668.503+/-268.452 χ^2/NDF:16.1/15

Out: 259.340+/-244.221 χ^2/NDF:16.0/19

All: -160.825+/-180.651 χ^2/NDF: 38.7/35

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 411.384+/-0.332 χ^2/NDF:0.0/0

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

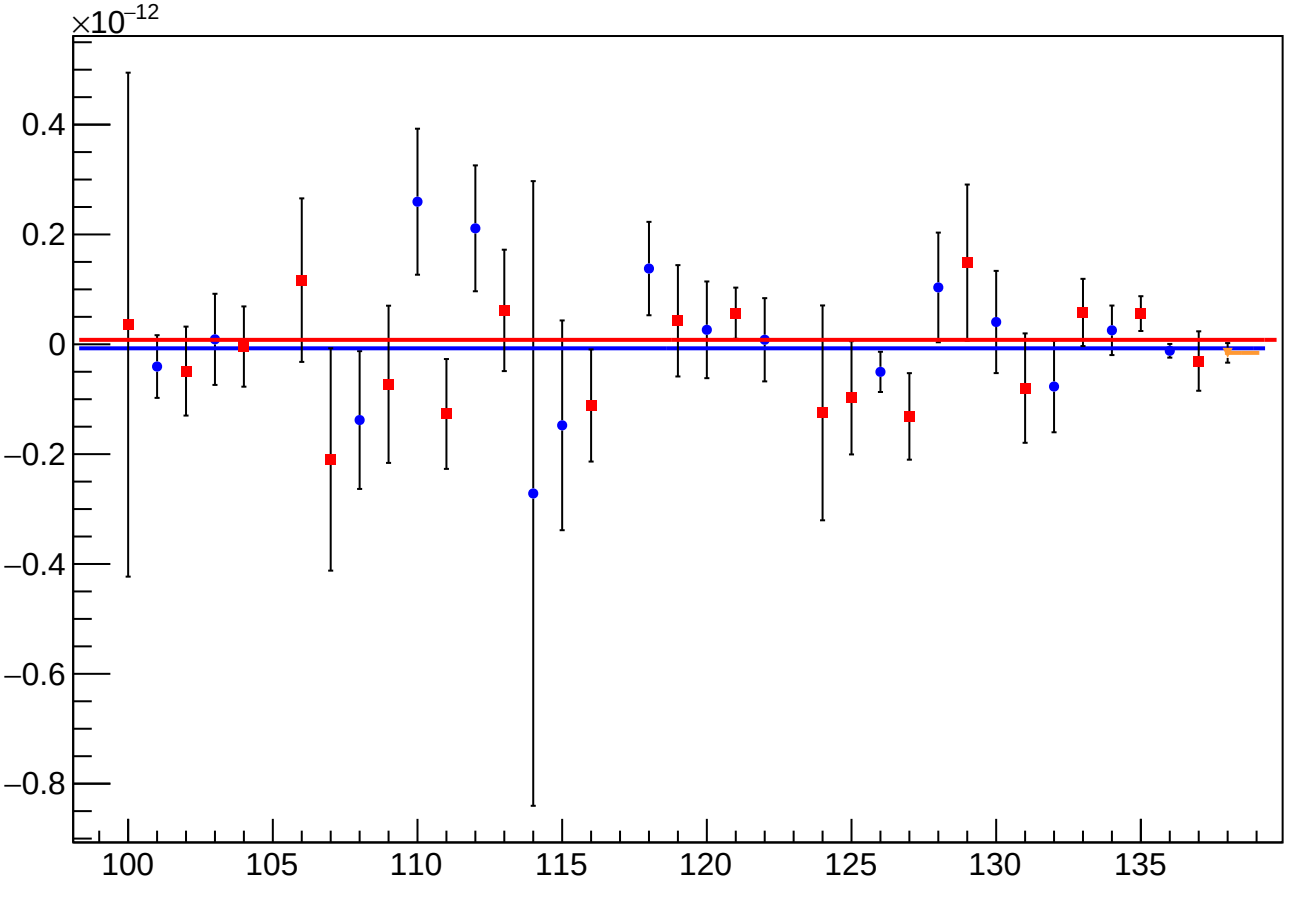
Left: 411.384+/-0.332 χ^2/NDF: 0.0/0

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 679.469+/-0.190 χ^2/NDF:1600922.1/15

Out: 652.721+/-0.173 χ^2/NDF:2227541.7/19

All: 664.834+/-0.128 χ^2/NDF: 3839327.7/35



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

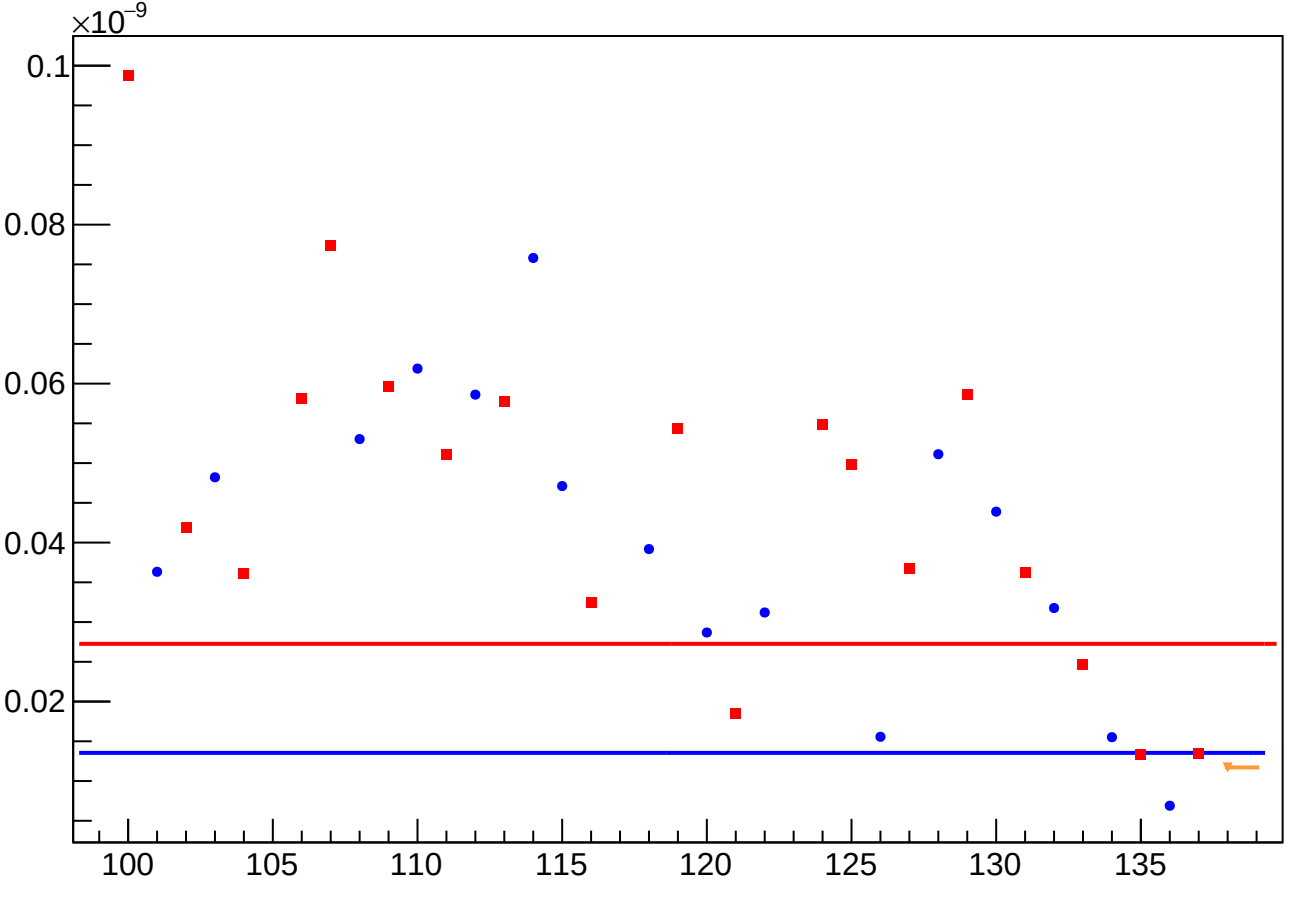
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:17.2/15

Out: -0.000+/-0.000 χ^2/NDF:17.9/19

All: -0.000+/-0.000 χ^2/NDF: 35.2/35



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

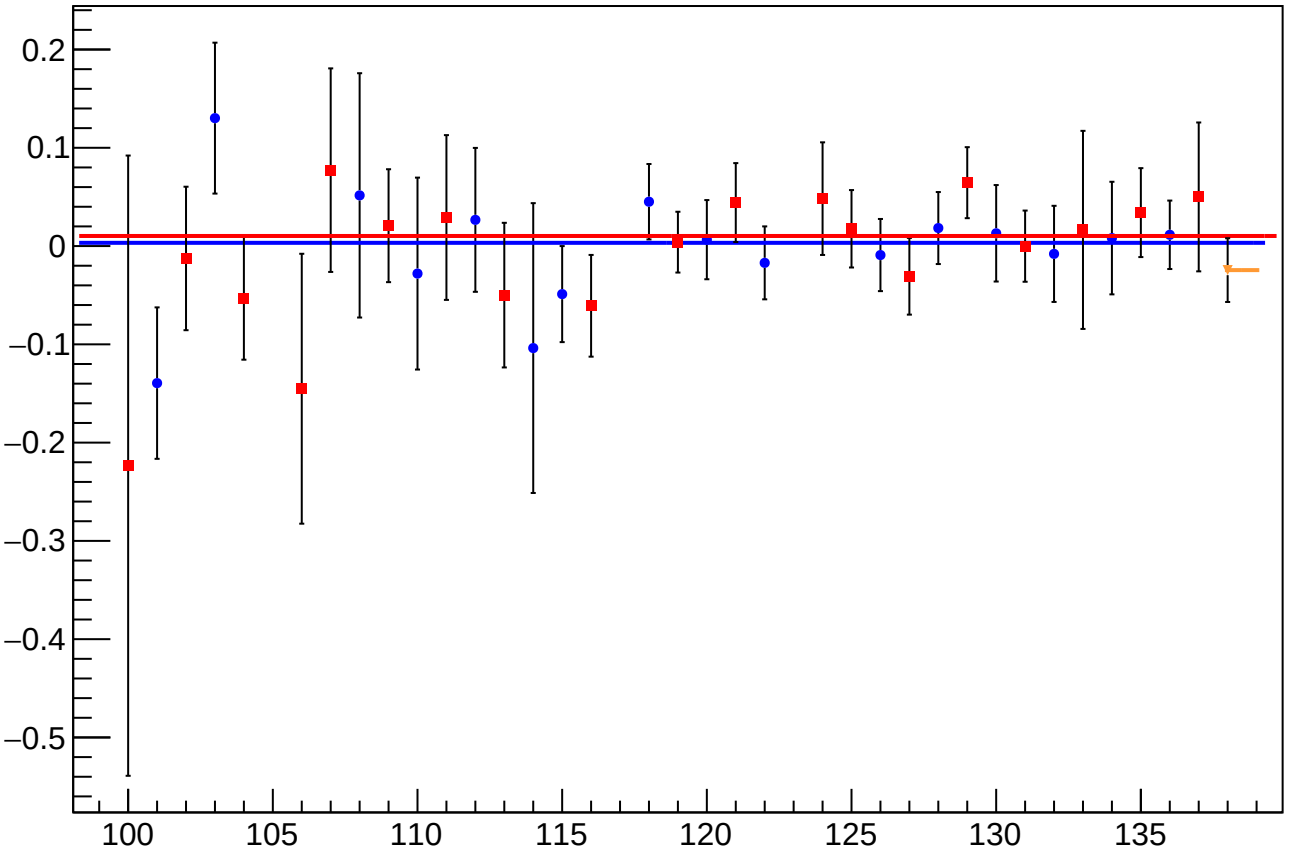
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:3045220.5/15

Out: 0.000+/-0.000 χ^2/NDF:2518368.0/19

All: 0.000+/-0.000 χ^2/NDF: 5852513.4/35



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.024+/-0.032 χ^2/NDF:0.0/0

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

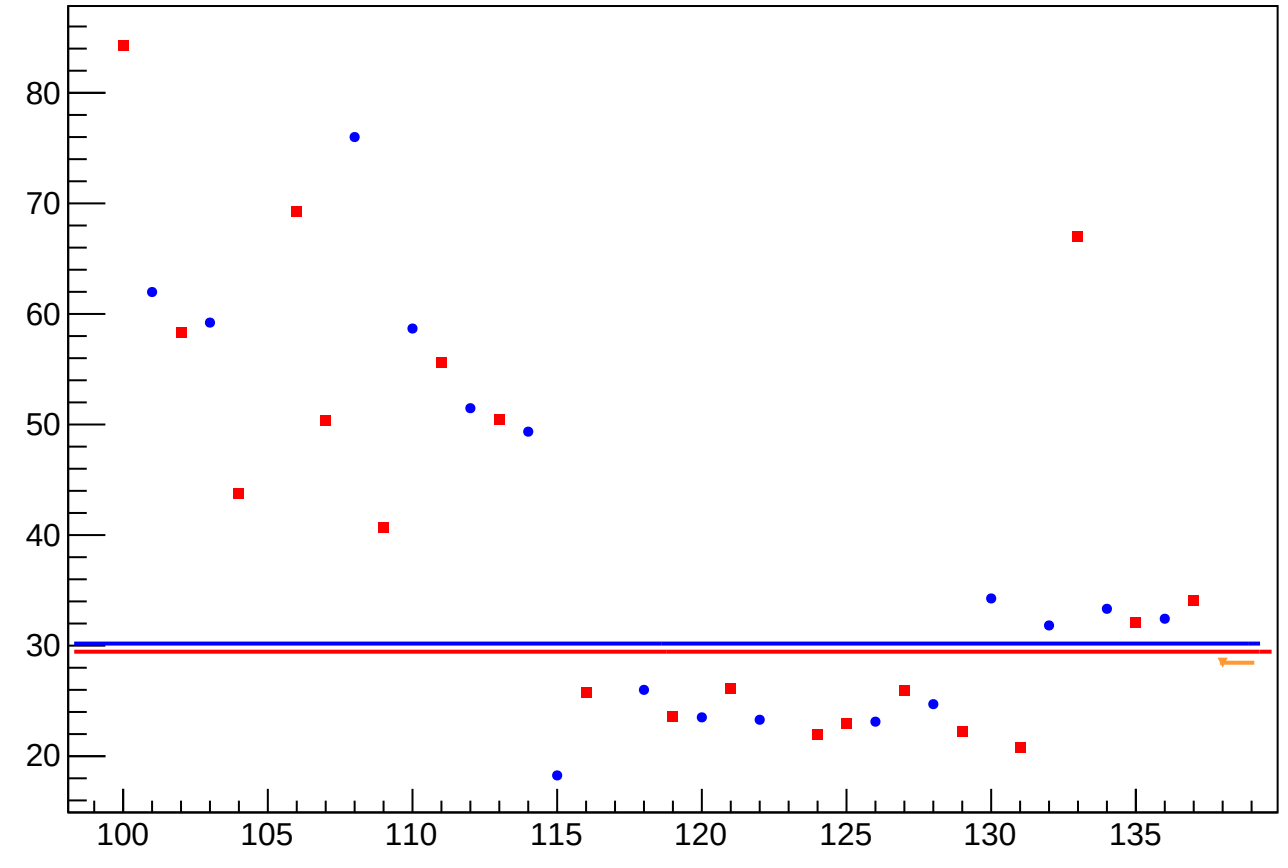
Left: -0.024+/-0.032 χ^2/NDF: 0.0/0

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.003+/-0.012 χ^2/NDF:10.1/15

Out: 0.006+/-0.011 χ^2/NDF:12.3/19

All: 0.005+/-0.008 χ^2/NDF: 22.4/35



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.454+/-0.023 χ^2/NDF:0.0/0

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

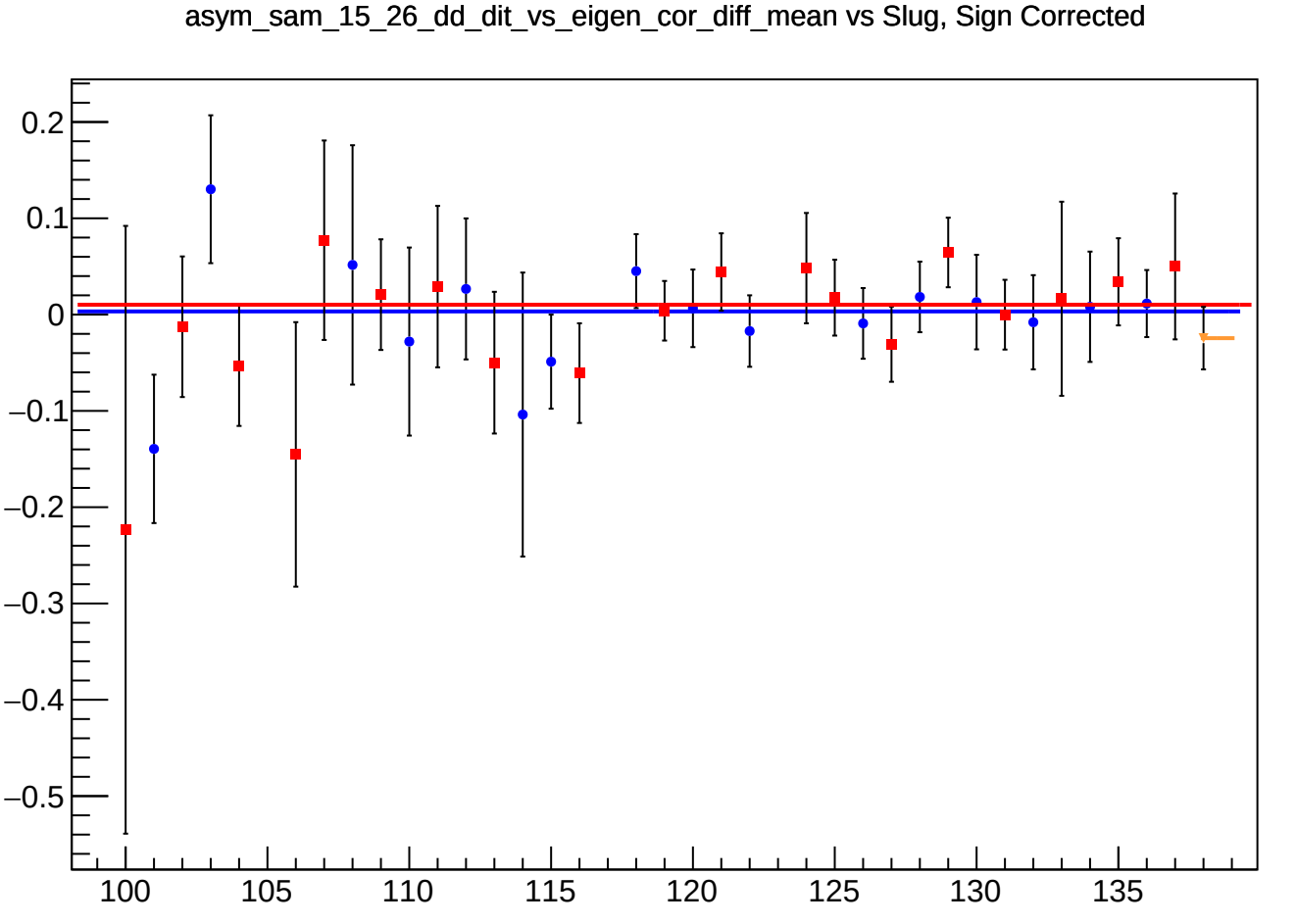
Left: 28.454+/-0.023 χ^2/NDF: 0.0/0

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.187+/-0.009 χ^2/NDF:1687373.5/15

Out: 29.335+/-0.008 χ^2/NDF:1850307.3/19

All: 29.718+/-0.006 χ^2/NDF: 3542980.0/35



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.024+/-0.032 χ^2/NDF:0.0/0

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.024+/-0.032 χ^2/NDF: 0.0/0

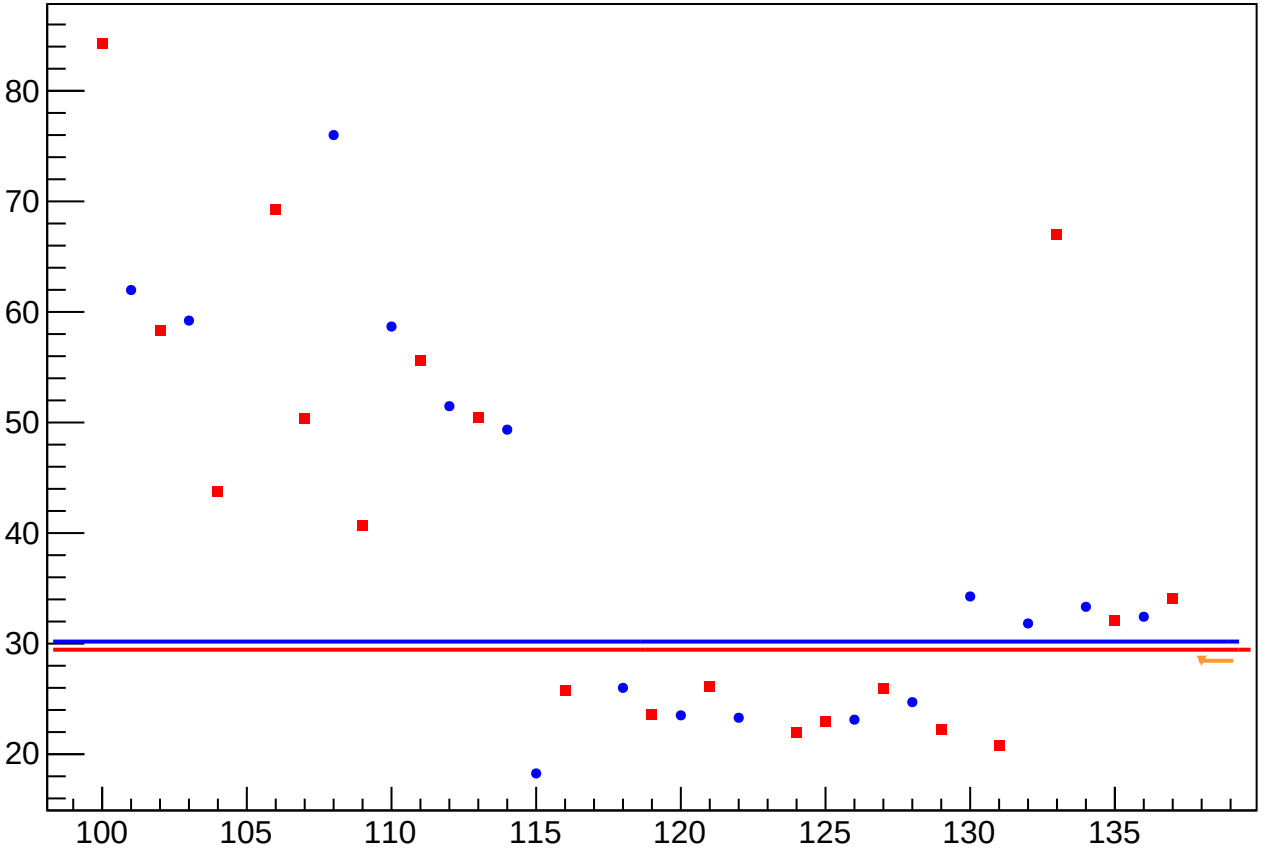
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.003+/-0.012 χ^2/NDF:10.1/15

Out: 0.006+/-0.011 χ^2/NDF:12.3/19

All: 0.005+/-0.008 χ^2/NDF: 22.4/35

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: 28.454+/-0.023 χ^2/NDF:0.0/0

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

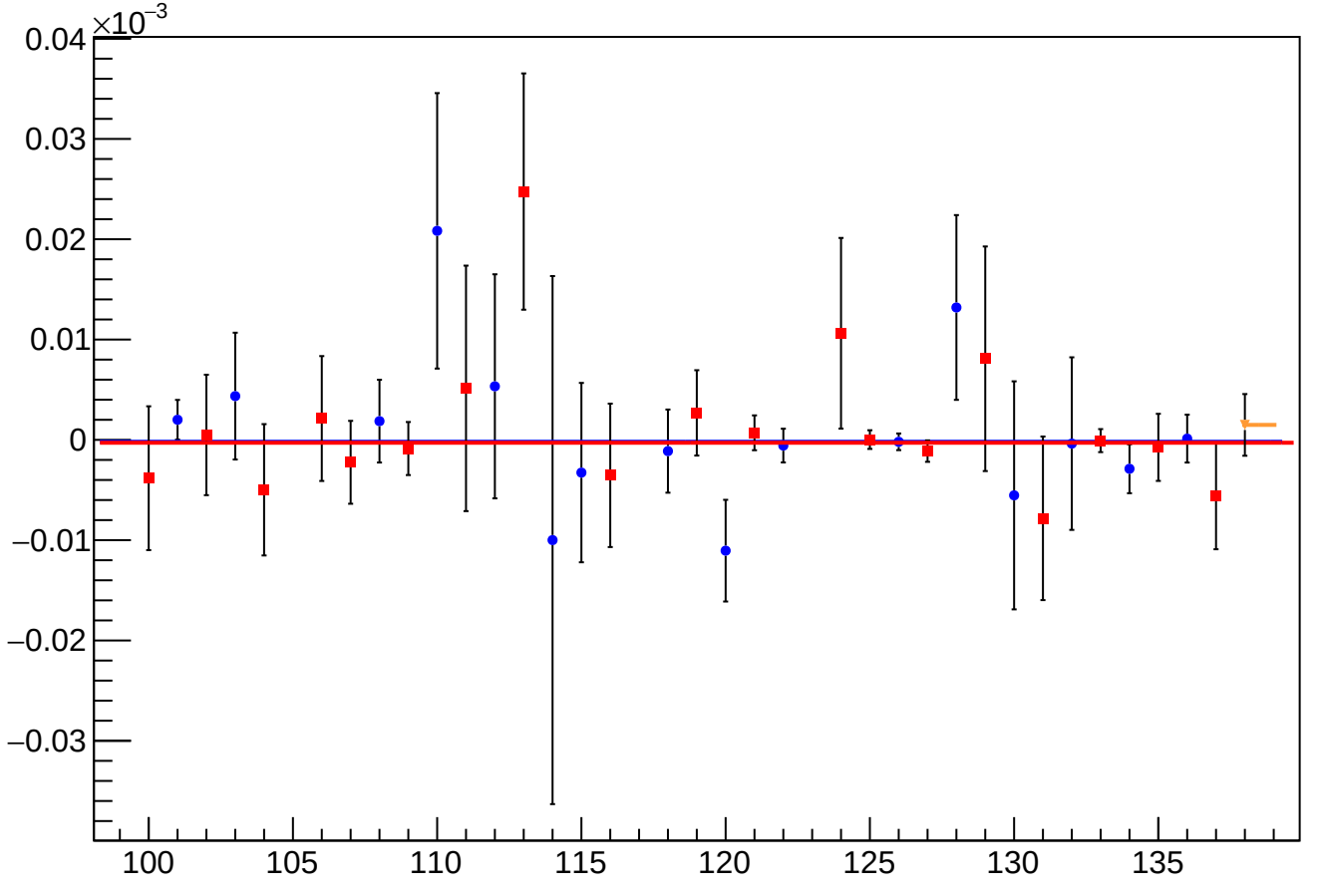
Left: 28.454+/-0.023 χ^2/NDF: 0.0/0

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.187+/-0.009 χ^2/NDF:1687373.5/15

Out: 29.335+/-0.008 χ^2/NDF:1850307.3/19

All: 29.718+/-0.006 χ^2/NDF: 3542980.0/35



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

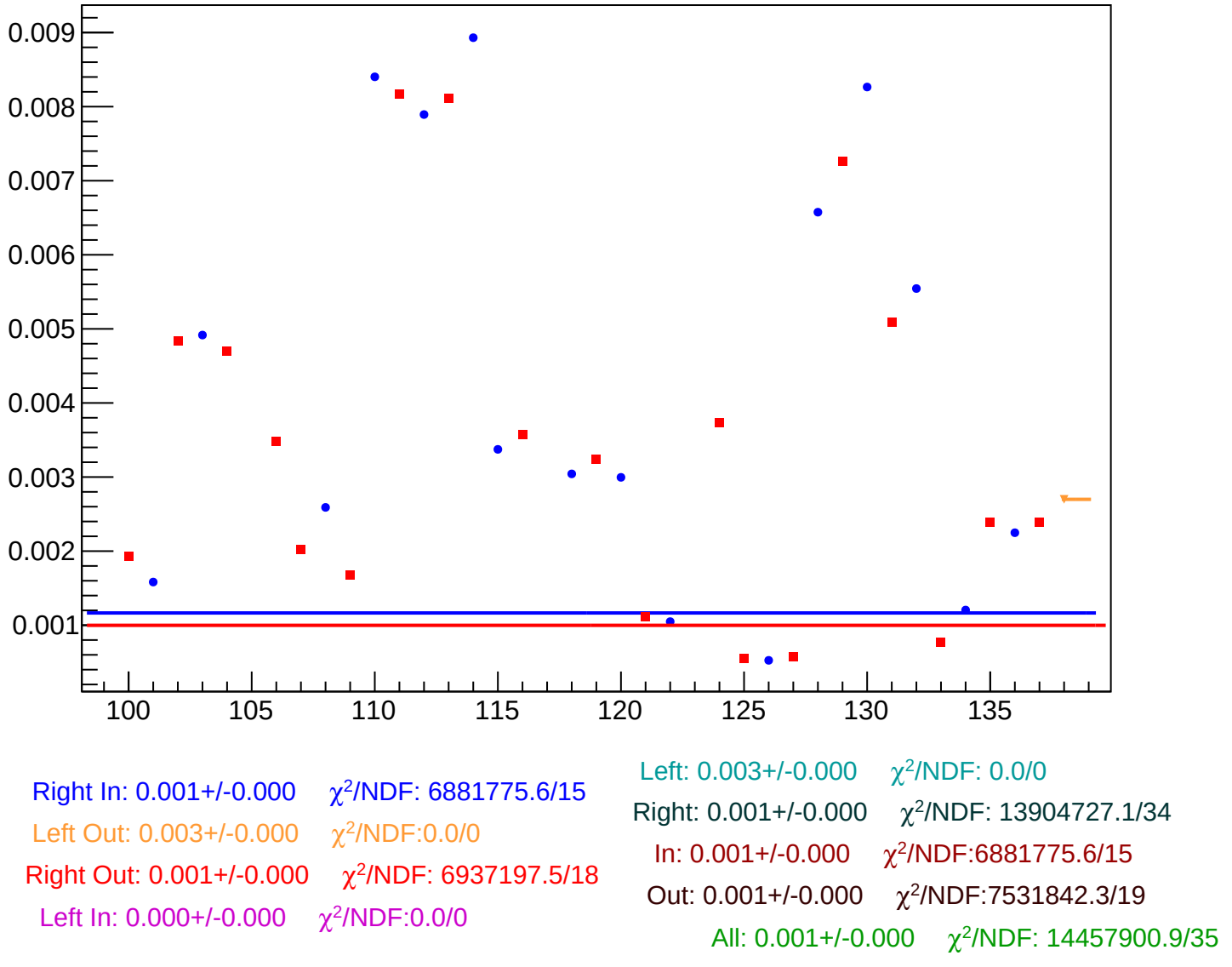
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

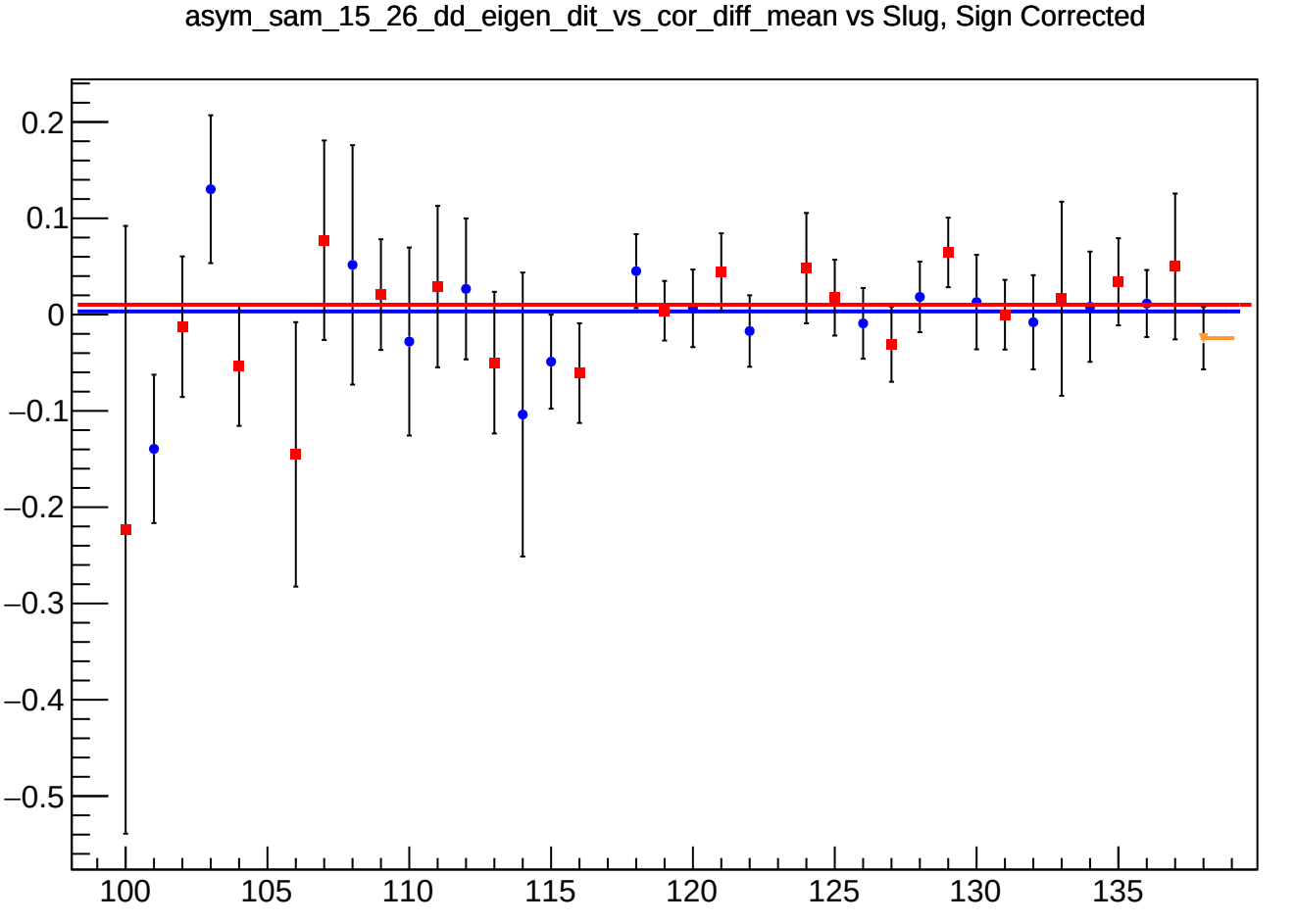
Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: -0.000+/-0.000 χ^2/NDF:13.1/15

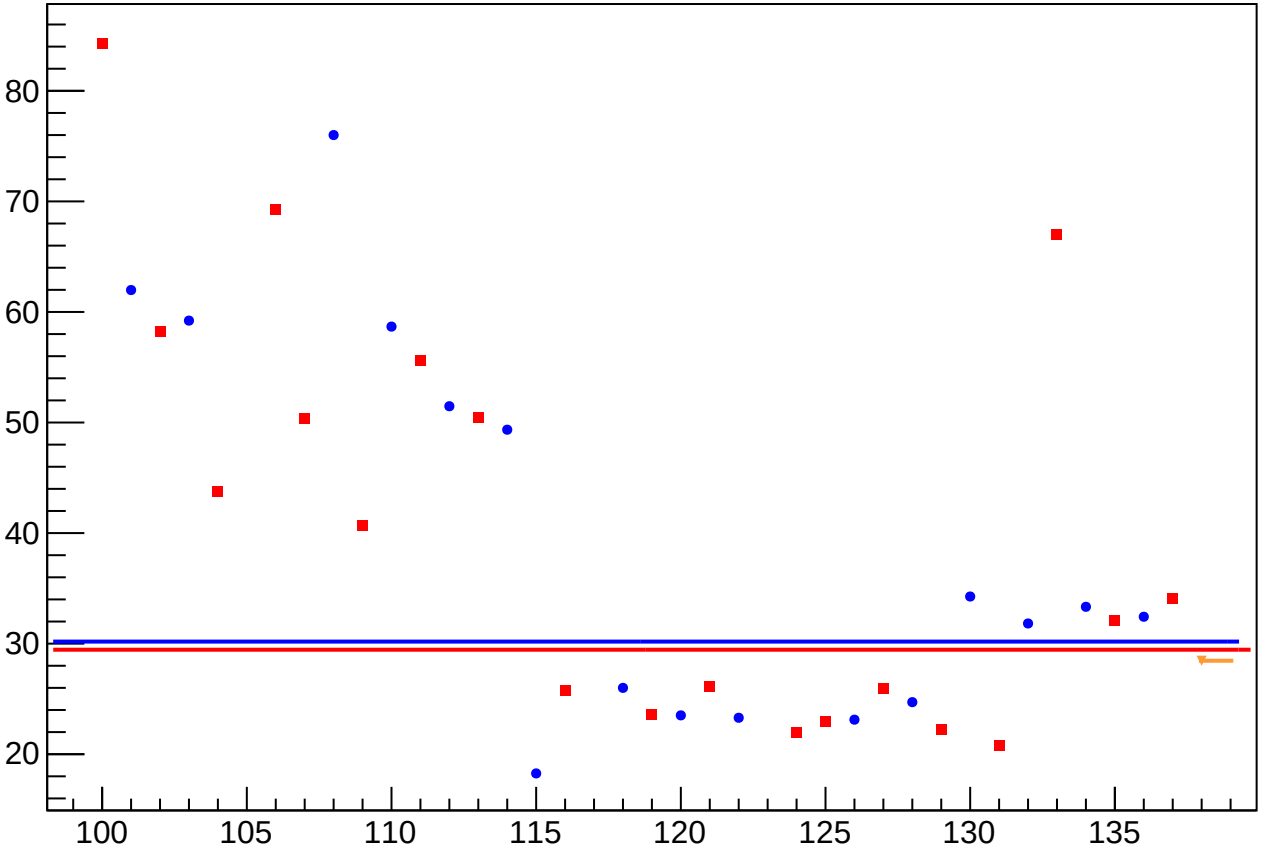
Out: -0.000+/-0.000 χ^2/NDF:11.8/19

All: -0.000+/-0.000 χ^2/NDF: 24.9/35


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
105
110
115
120
125
130
135
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.003+/-0.000 χ²/NDF:0.0/0
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.003+/-0.000 χ²/NDF: 0.0/0
Right: 0.001+/-0.000 χ²/NDF: 13904727.1/34
In: 0.001+/-0.000 χ²/NDF:6881775.6/15
Out: 0.001+/-0.000 χ²/NDF:7531842.3/19
All: 0.001+/-0.000 χ²/NDF: 14457900.9/35


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
105
110
115
120
125
130
135
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.024+/-0.032 χ²/NDF:0.0/0
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.024+/-0.032 χ²/NDF: 0.0/0
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.003+/-0.012 χ²/NDF:10.1/15
Out: 0.006+/-0.011 χ²/NDF:12.3/19
All: 0.005+/-0.008 χ²/NDF: 22.4/35

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: 28.454+/-0.023 χ^2/NDF:0.0/0

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

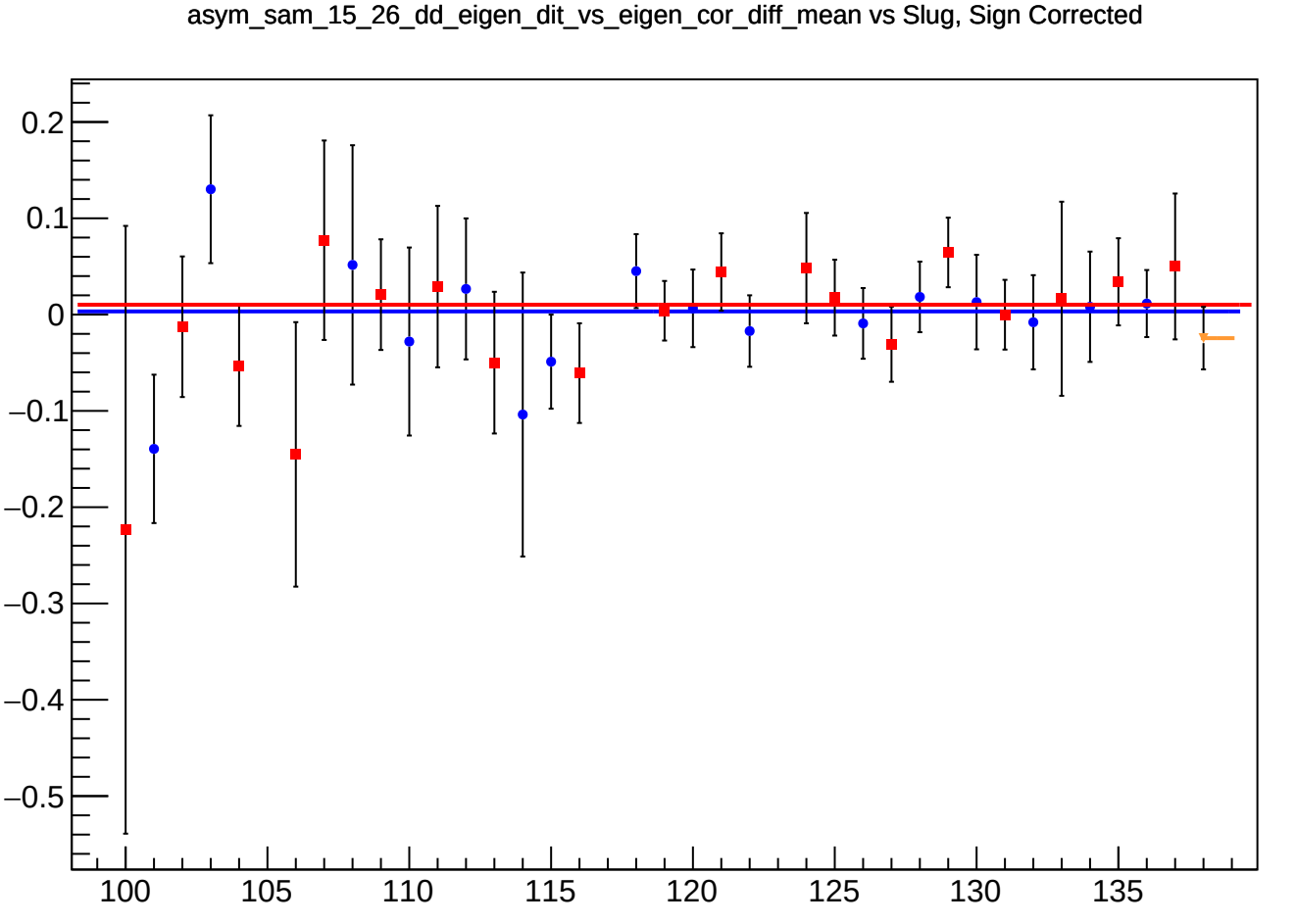
Left: 28.454+/-0.023 χ^2/NDF: 0.0/0

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.187+/-0.009 χ^2/NDF:1687188.2/15

Out: 29.334+/-0.008 χ^2/NDF:1850300.3/19

All: 29.718+/-0.006 χ^2/NDF: 3542794.3/35



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.024+/-0.032 χ^2/NDF:0.0/0

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.024+/-0.032 χ^2/NDF: 0.0/0

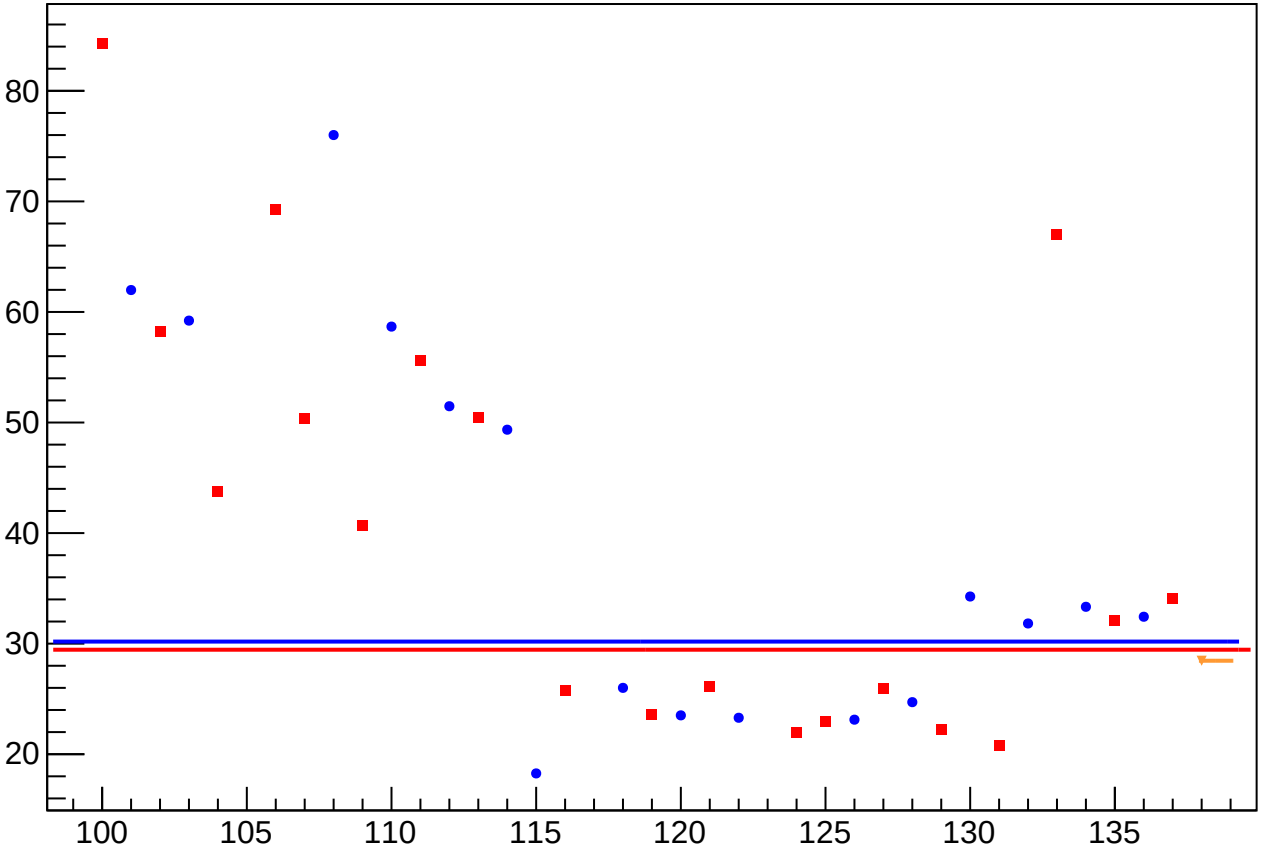
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.003+/-0.012 χ^2/NDF:10.1/15

Out: 0.006+/-0.011 χ^2/NDF:12.3/19

All: 0.005+/-0.008 χ^2/NDF: 22.4/35

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: 28.454+/-0.023 χ^2/NDF:0.0/0

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

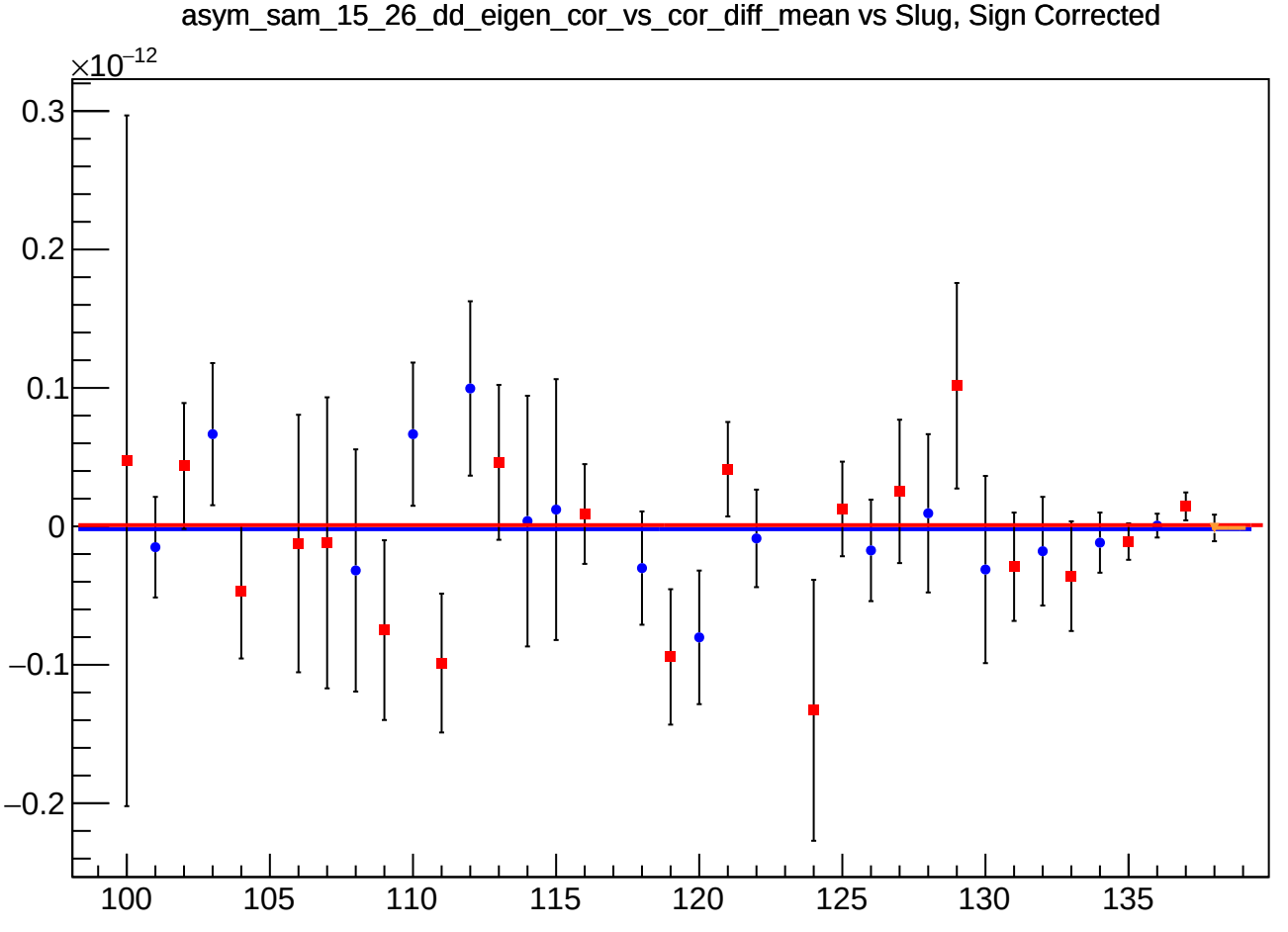
Left: 28.454+/-0.023 χ^2/NDF: 0.0/0

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.187+/-0.009 χ^2/NDF:1687188.2/15

Out: 29.334+/-0.008 χ^2/NDF:1850300.3/19

All: 29.718+/-0.006 χ^2/NDF: 3542794.3/35



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

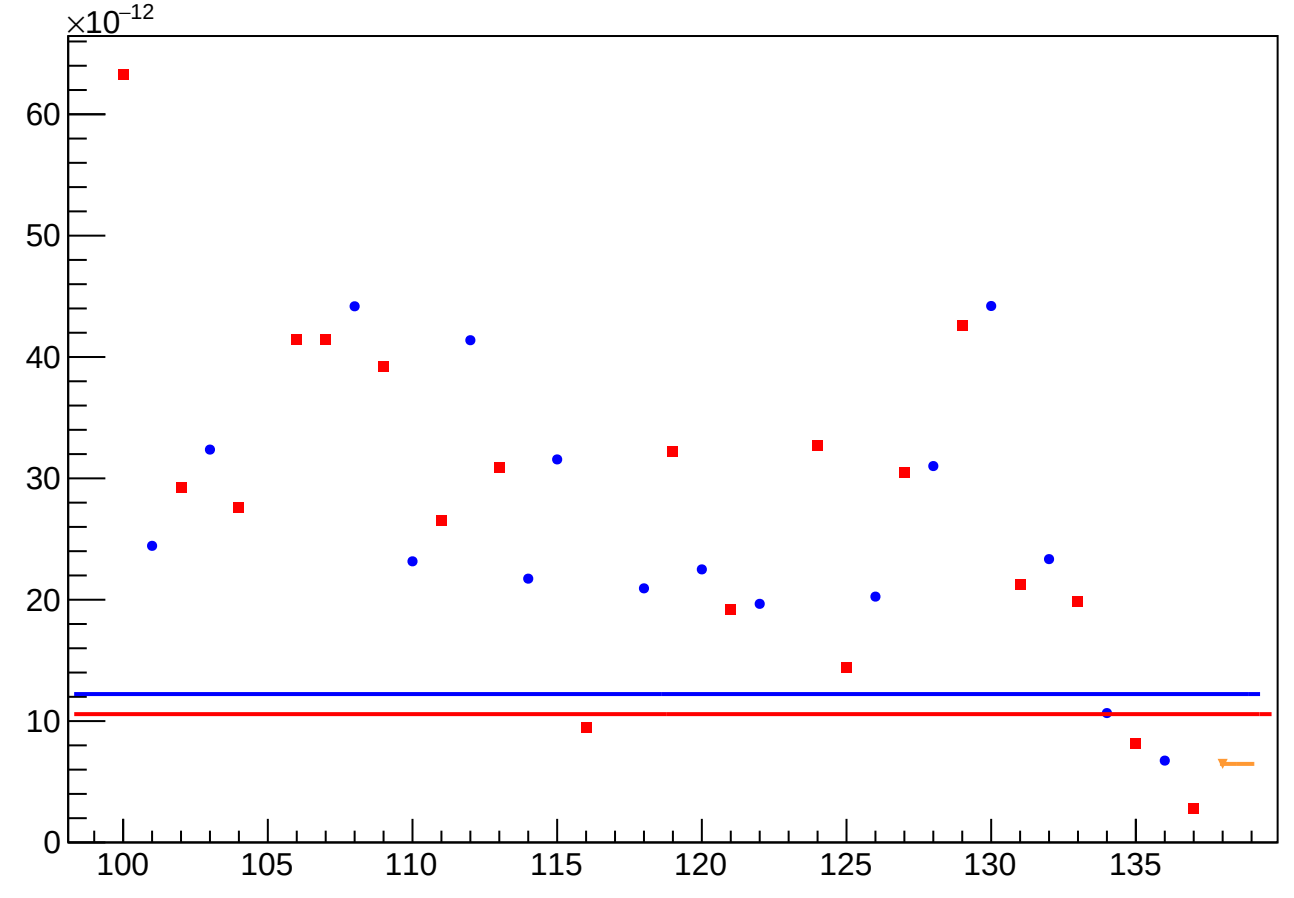
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:10.4/15

Out: 0.000+/-0.000 χ^2/NDF:21.4/19

All: -0.000+/-0.000 χ^2/NDF: 31.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

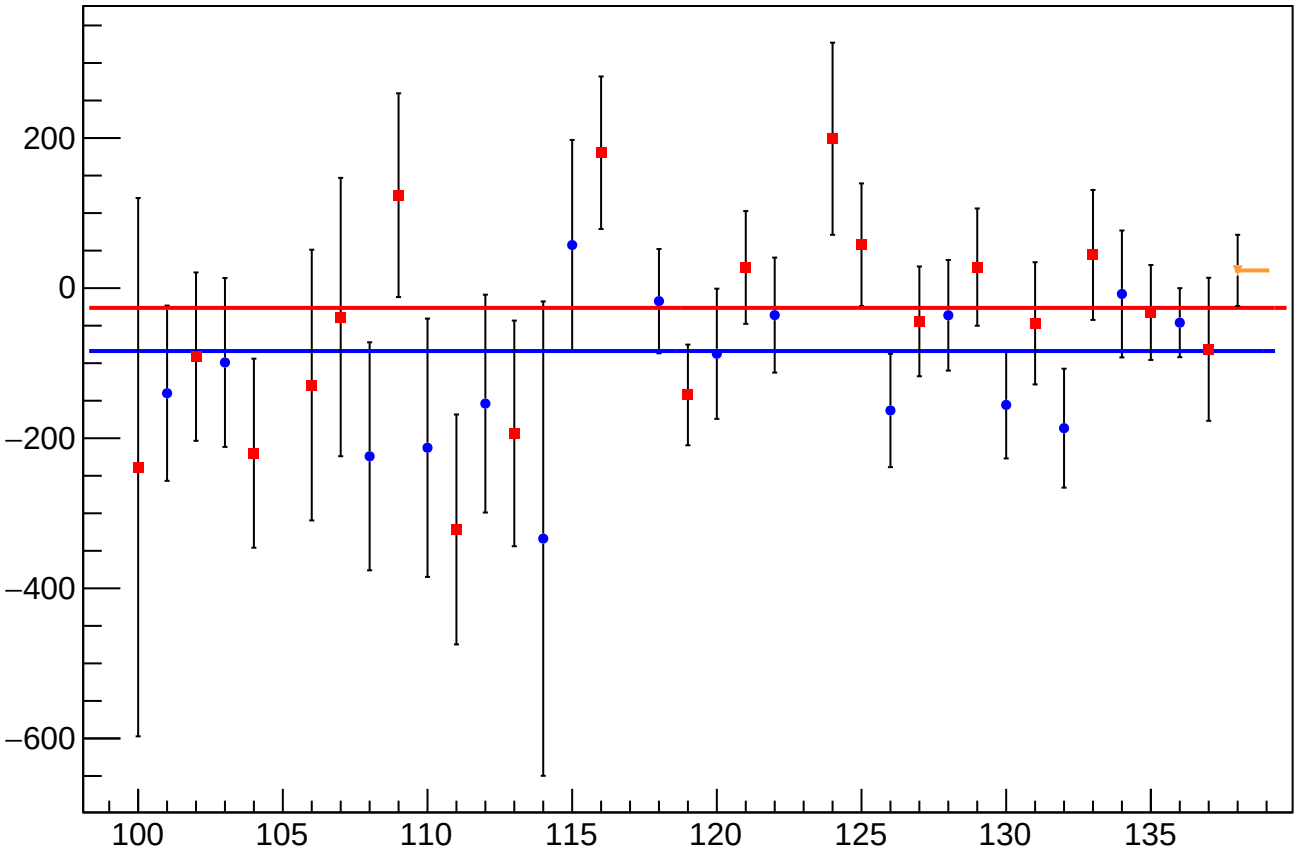
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:3437895.0/15

Out: 0.000+/-0.000 χ^2/NDF:5016387.6/19

All: 0.000+/-0.000 χ^2/NDF: 8687395.5/35



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 23.587+/-47.506 χ^2/NDF:0.0/0

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

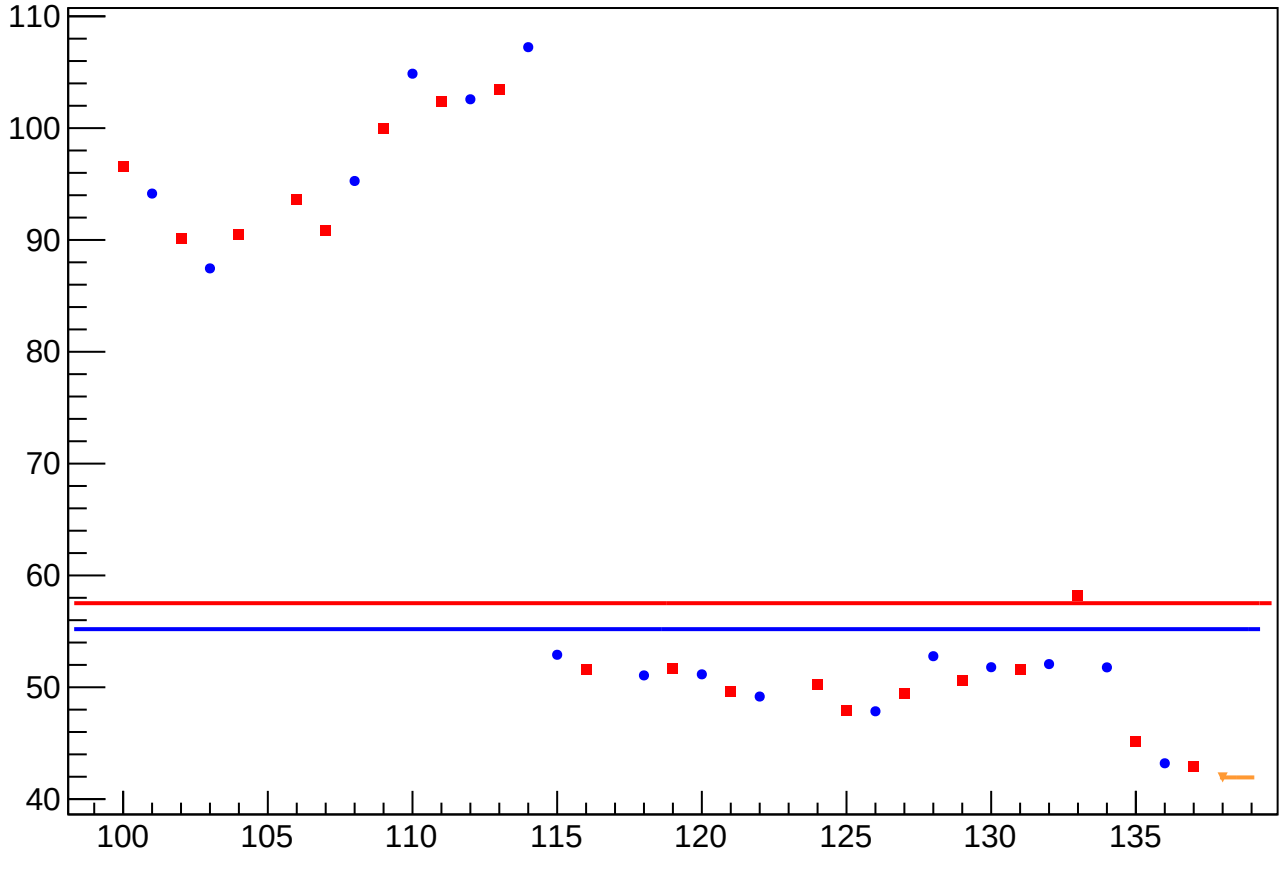
Left: 23.587+/-47.506 χ^2/NDF: 0.0/0

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -83.808+/-21.434 χ^2/NDF:10.5/15

Out: -17.447+/-20.013 χ^2/NDF:23.9/19

All: -48.355+/-14.628 χ^2/NDF: 39.5/35



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 41.938+/-0.034 χ^2/NDF:0.0/0

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

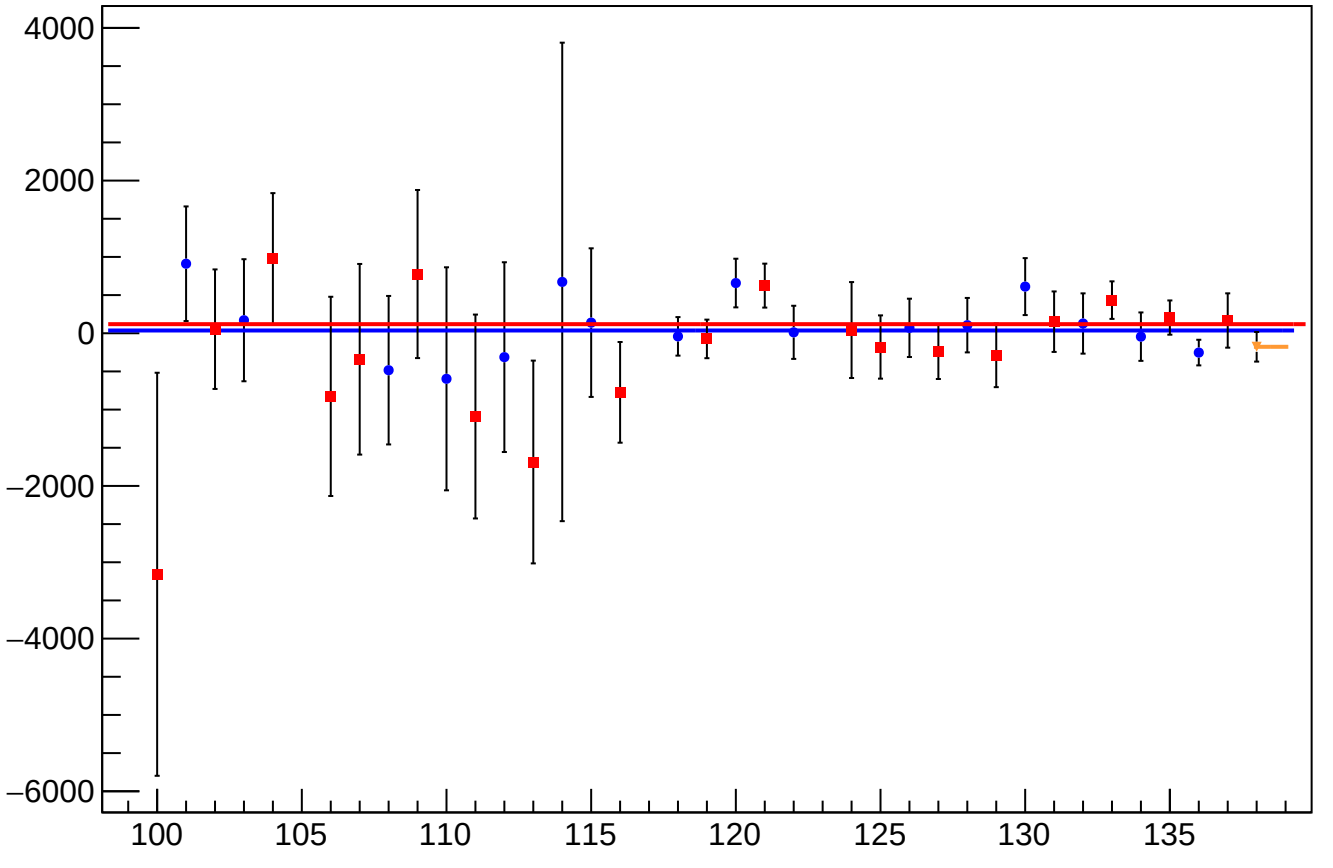
Left: 41.938+/-0.034 χ^2/NDF: 0.0/0

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 55.198+/-0.015 χ^2/NDF:1152581.1/15

Out: 54.754+/-0.014 χ^2/NDF:1458746.3/19

All: 54.961+/-0.010 χ^2/NDF: 2611785.2/35



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.383+/-193.855 χ^2/NDF:0.0/0

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -177.383+/-193.855 χ^2/NDF: 0.0/0

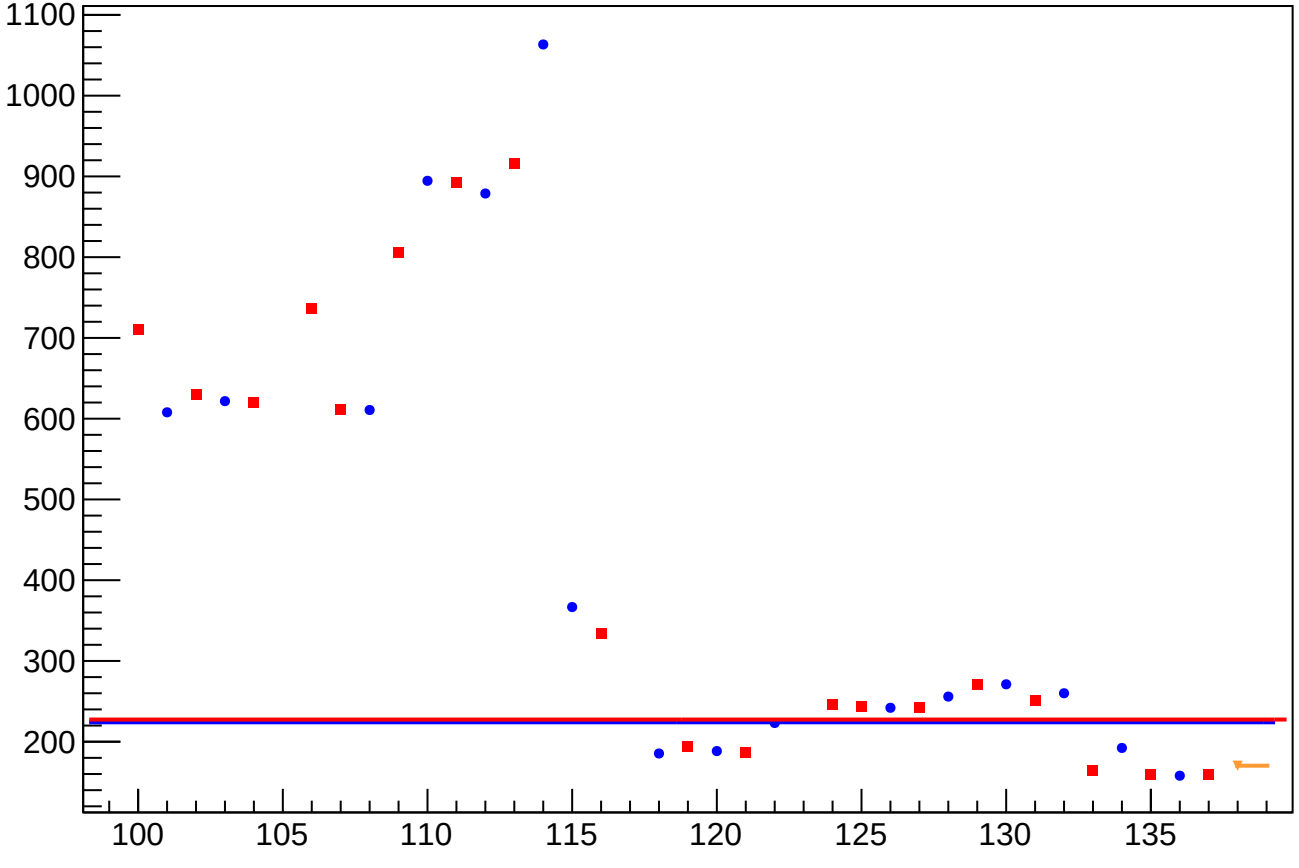
Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 36.327+/-93.563 χ^2/NDF:11.4/15

Out: 60.926+/-85.909 χ^2/NDF:17.9/19

All: 49.674+/-63.280 χ^2/NDF: 29.3/35

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 170.299+/-0.137 χ^2/NDF:0.0/0

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

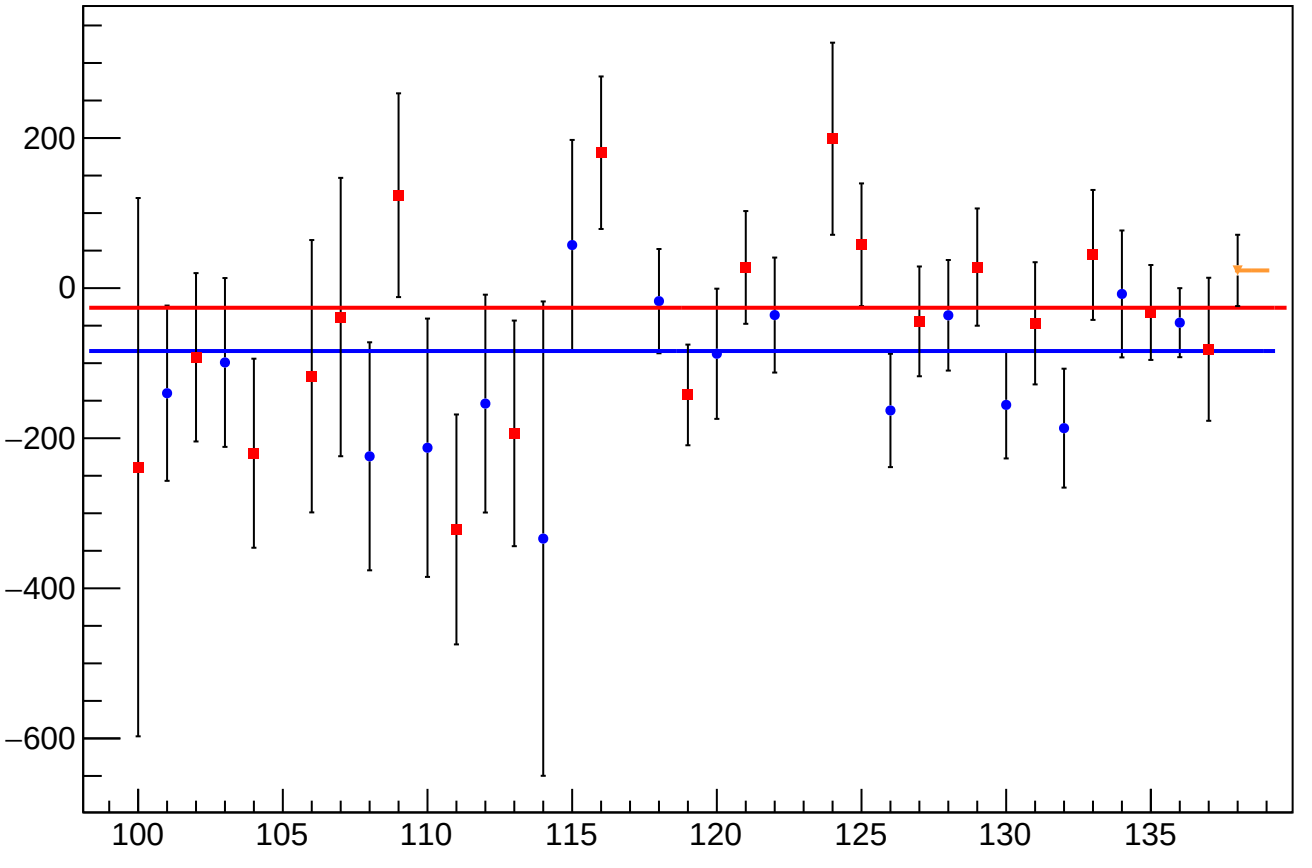
Left: 170.299+/-0.137 χ^2/NDF: 0.0/0

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 224.042+/-0.066 χ^2/NDF:2968054.7/15

Out: 216.227+/-0.061 χ^2/NDF:3780327.4/19

All: 219.801+/-0.045 χ^2/NDF: 6755953.2/35



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 23.588+/-47.506 χ^2/NDF:0.0/0

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

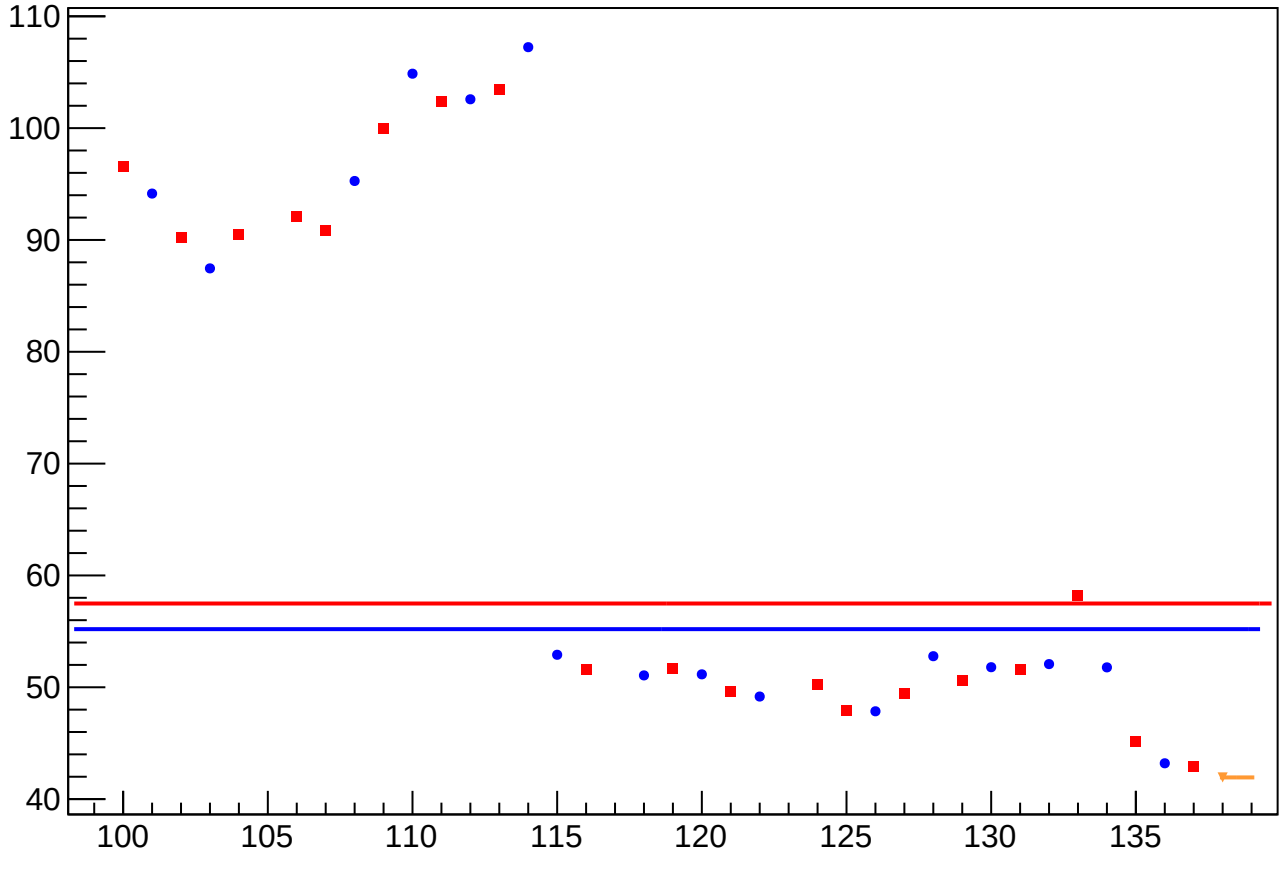
Left: 23.588+/-47.506 χ^2/NDF: 0.0/0

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -83.805+/-21.434 χ^2/NDF:10.5/15

Out: -17.315+/-20.015 χ^2/NDF:23.8/19

All: -48.285+/-14.629 χ^2/NDF: 39.5/35



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.938+/-0.034 χ^2/NDF:0.0/0

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

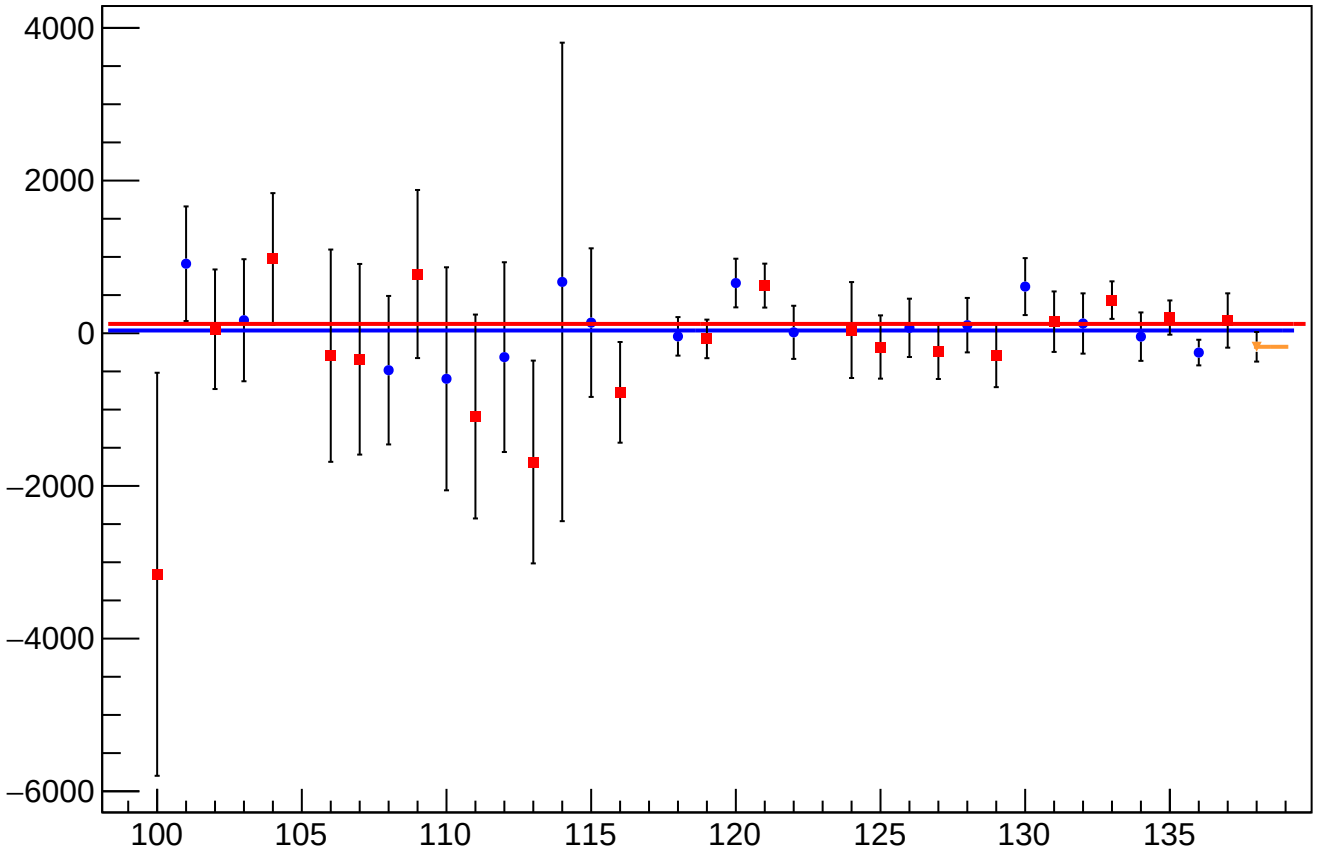
Left: 41.938+/-0.034 χ^2/NDF: 0.0/0

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 55.198+/-0.015 χ^2/NDF:1152581.3/15

Out: 54.730+/-0.014 χ^2/NDF:1450679.5/19

All: 54.948+/-0.010 χ^2/NDF: 2603769.9/35



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.383+/-193.855 χ^2/NDF:0.0/0

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

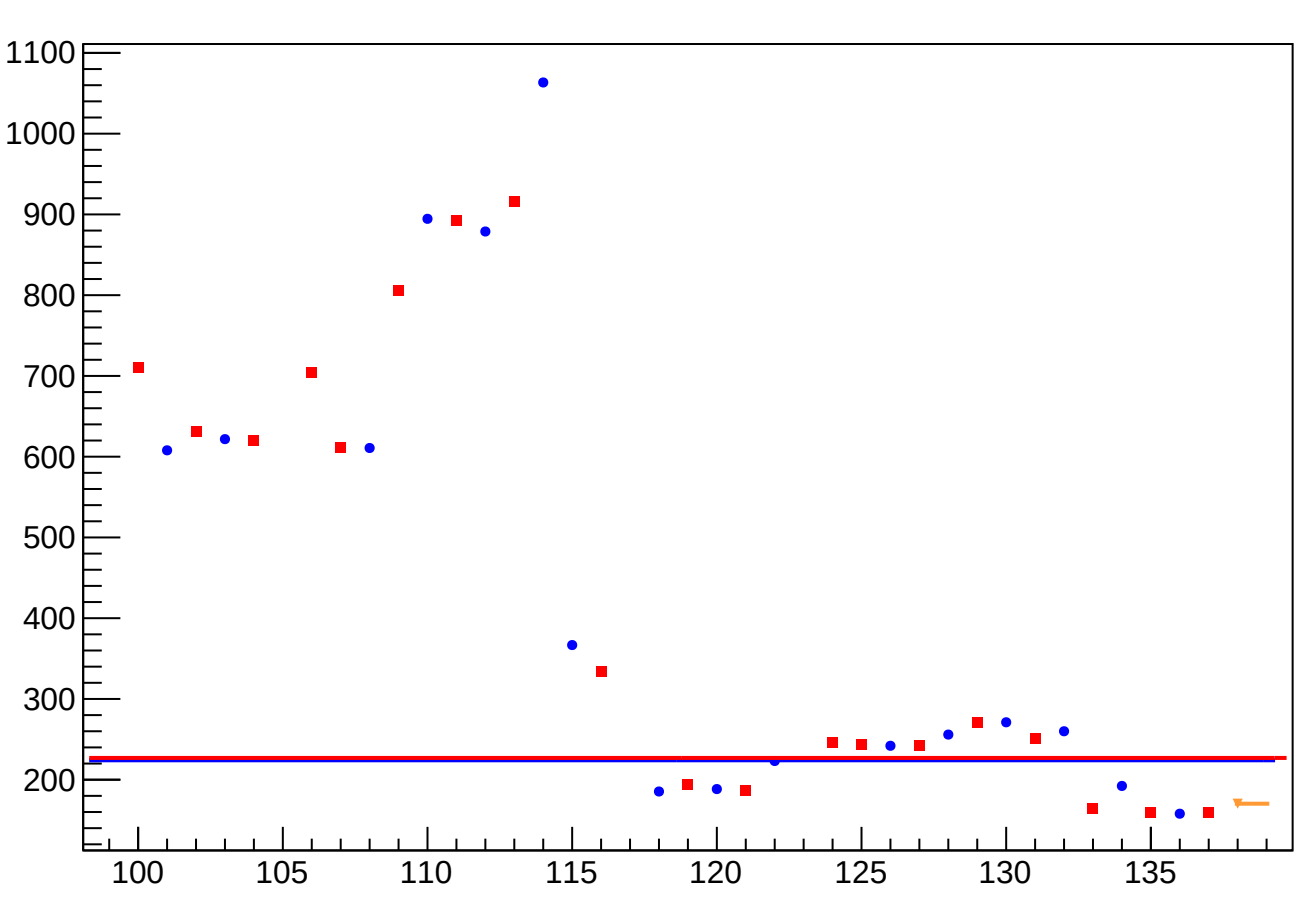
Left: -177.383+/-193.855 χ^2/NDF: 0.0/0

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 36.327+/-93.563 χ^2/NDF:11.4/15

Out: 63.404+/-85.932 χ^2/NDF:17.5/19

All: 51.015+/-63.289 χ^2/NDF: 29.0/35



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 170.299+/-0.137 χ^2/NDF:0.0/0

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

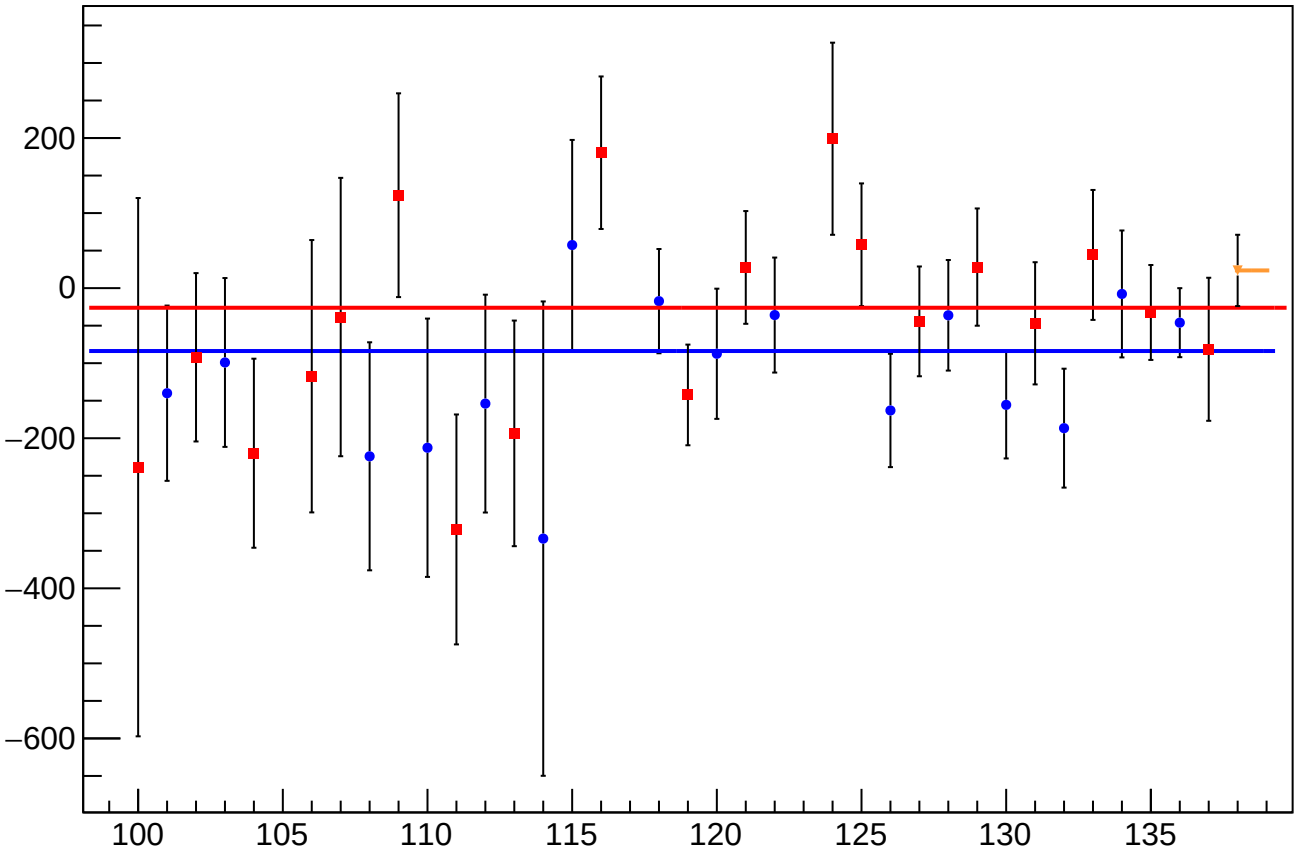
Left: 170.299+/-0.137 χ^2/NDF: 0.0/0

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 224.042+/-0.066 χ^2/NDF:2968059.8/15

Out: 215.835+/-0.061 χ^2/NDF:3709288.8/19

All: 219.590+/-0.045 χ^2/NDF: 6685695.2/35



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 23.588+/-47.506 χ^2/NDF:0.0/0

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

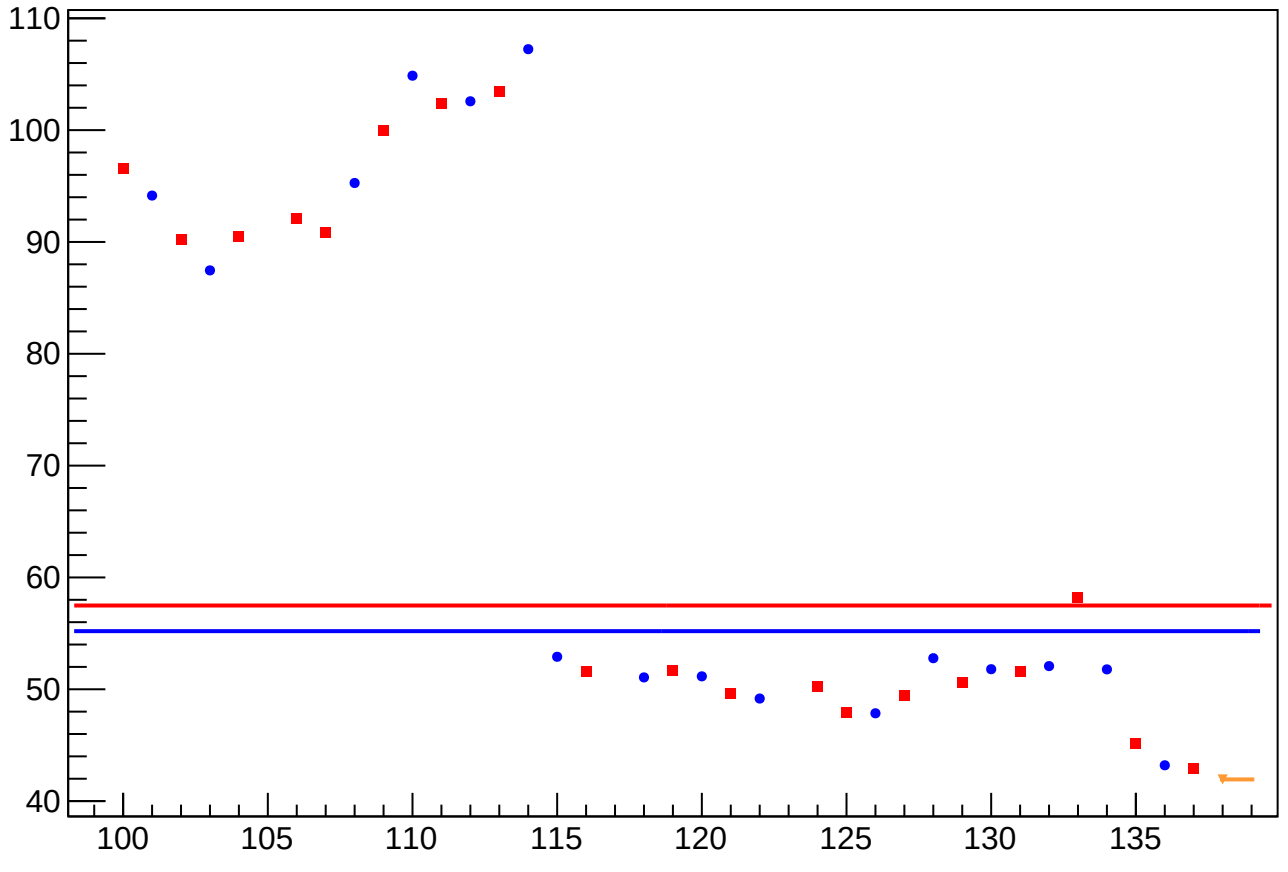
Left: 23.588+/-47.506 χ^2/NDF: 0.0/0

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -83.805+/-21.434 χ^2/NDF:10.5/15

Out: -17.315+/-20.015 χ^2/NDF:23.8/19

All: -48.285+/-14.629 χ^2/NDF: 39.5/35



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.938+/-0.034 χ^2/NDF:0.0/0

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

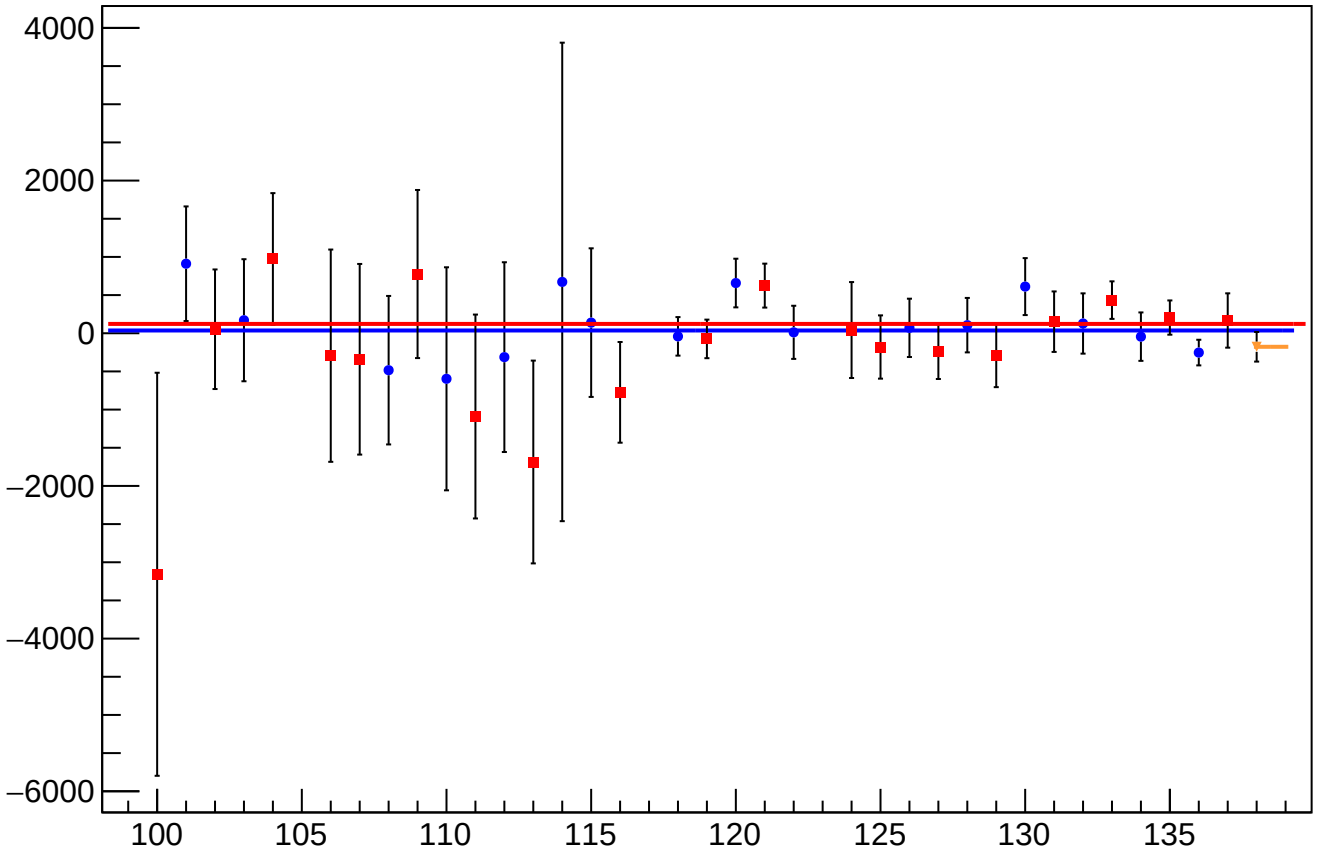
Left: 41.938+/-0.034 χ^2/NDF: 0.0/0

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 55.198+/-0.015 χ^2/NDF:1152581.3/15

Out: 54.730+/-0.014 χ^2/NDF:1450679.5/19

All: 54.948+/-0.010 χ^2/NDF: 2603769.9/35



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.383+/-193.855 χ^2/NDF:0.0/0

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -177.383+/-193.855 χ^2/NDF: 0.0/0

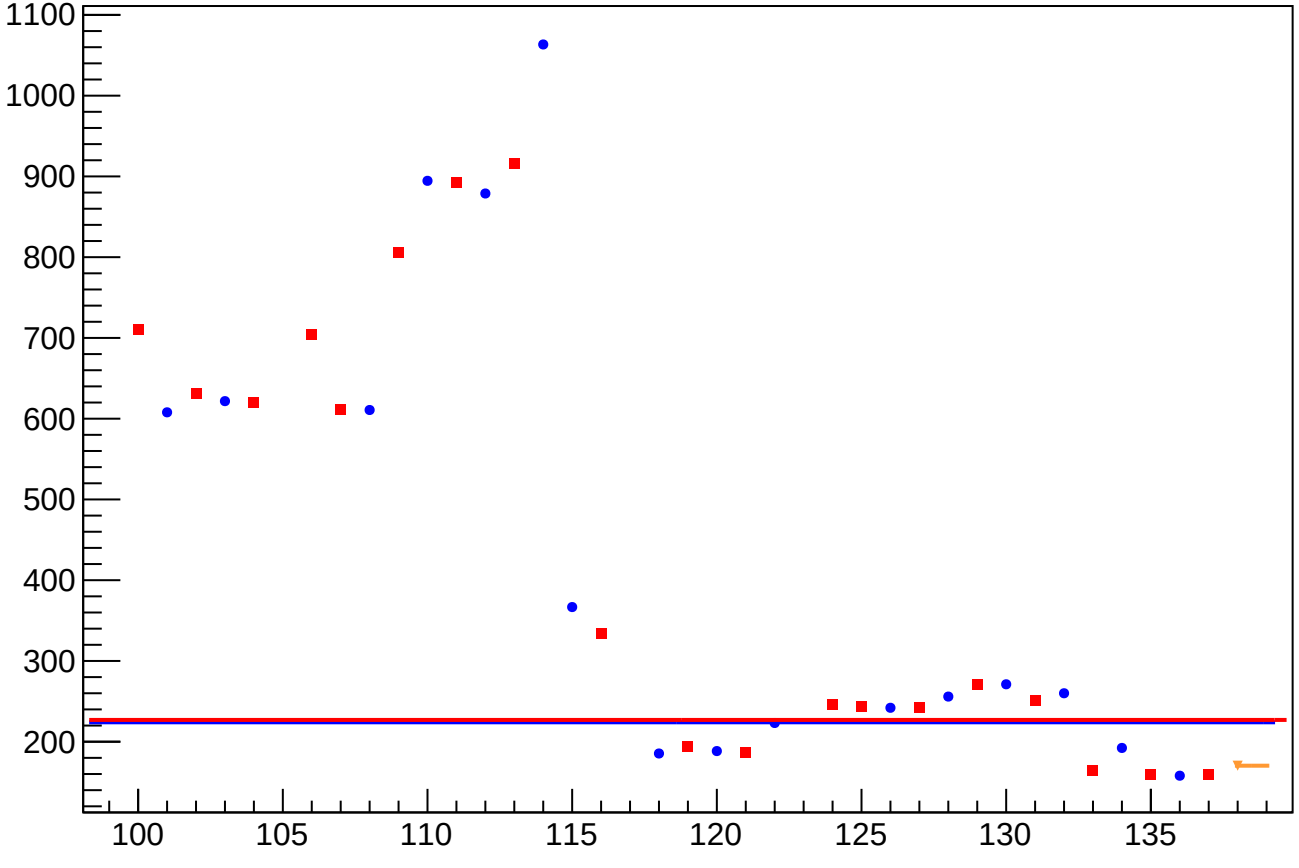
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 36.327+/-93.563 χ^2/NDF:11.4/15

Out: 63.404+/-85.932 χ^2/NDF:17.5/19

All: 51.015+/-63.289 χ^2/NDF: 29.0/35

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: 170.299+/-0.137 χ^2/NDF:0.0/0

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

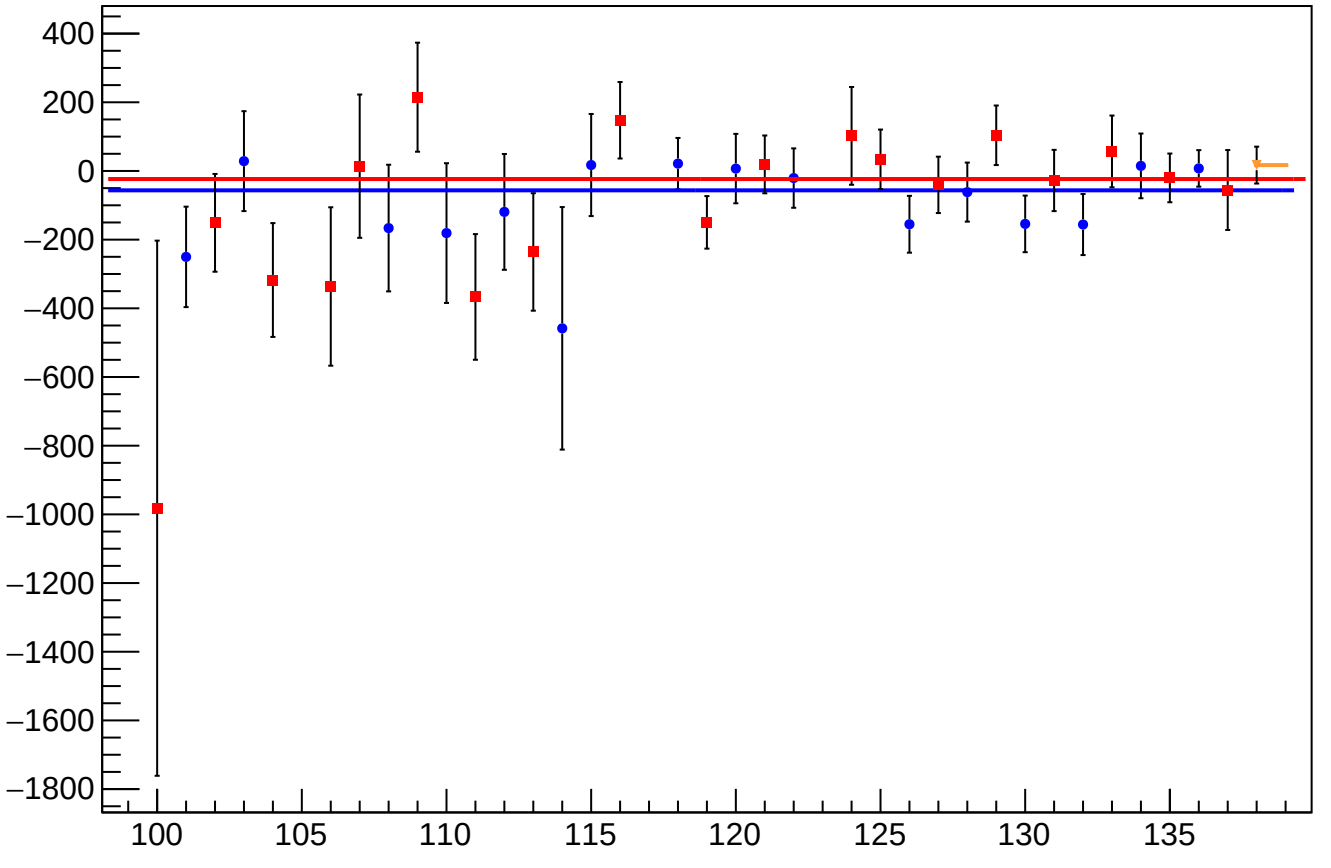
Left: 170.299+/-0.137 χ^2/NDF: 0.0/0

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 224.042+/-0.066 χ^2/NDF:2968059.8/15

Out: 215.835+/-0.061 χ^2/NDF:3709288.8/19

All: 219.590+/-0.045 χ^2/NDF: 6685695.2/35



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 17.092+/-53.674 χ^2/NDF:0.0/0

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

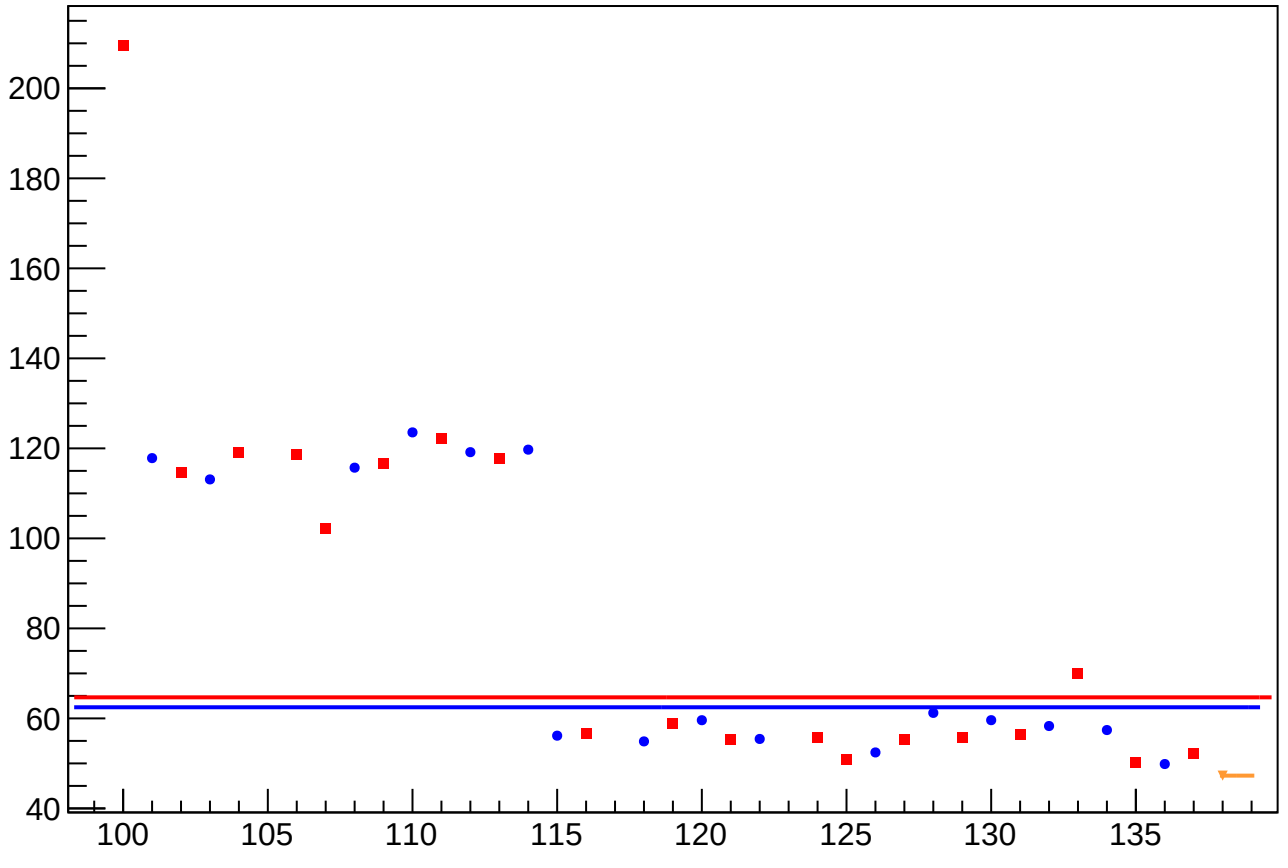
Left: 17.092+/-53.674 χ^2/NDF: 0.0/0

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -56.414+/-24.489 χ^2/NDF:12.3/15

Out: -16.183+/-22.782 χ^2/NDF:24.6/19

All: -34.847+/-16.680 χ^2/NDF: 38.3/35



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 47.284+/-0.038 χ^2/NDF:0.0/0

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

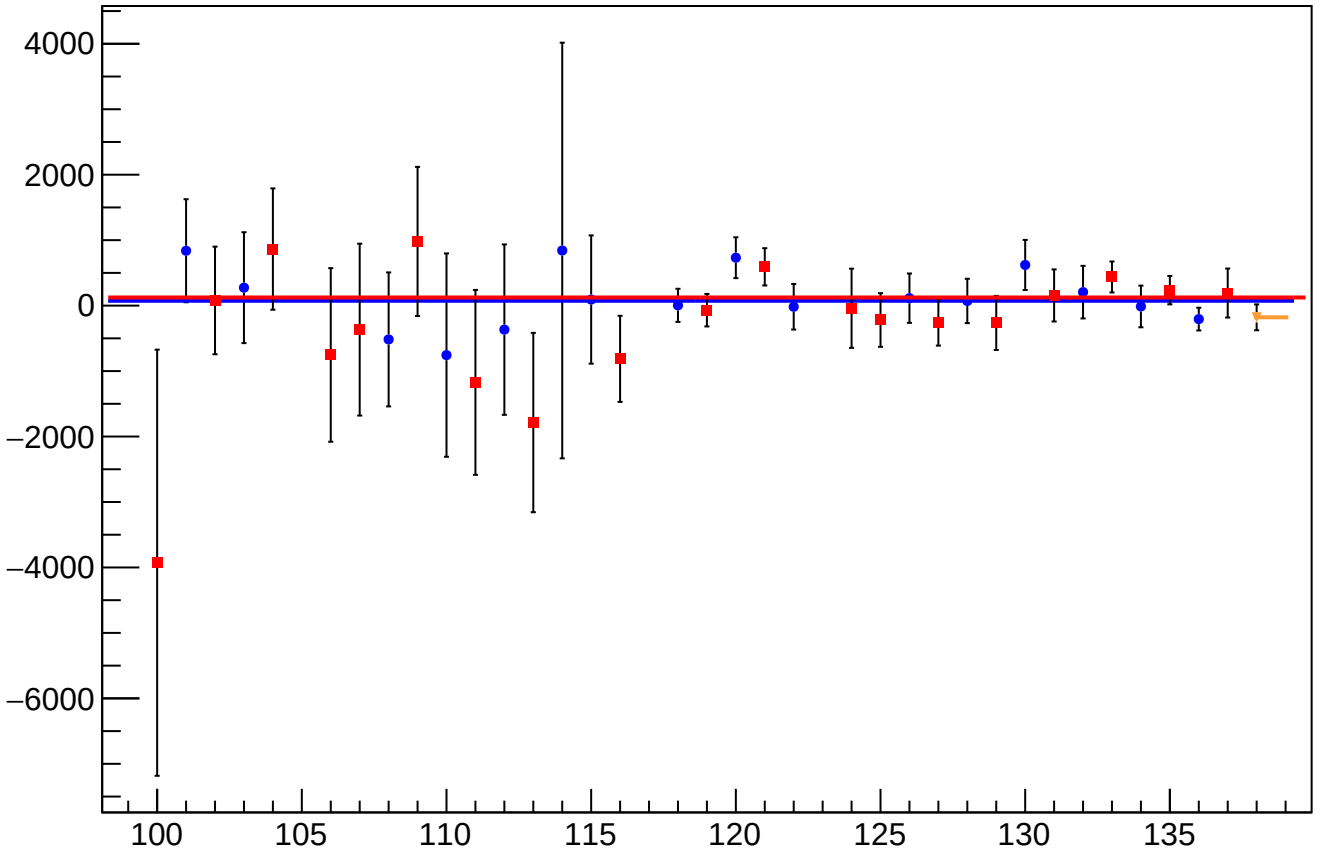
Left: 47.284+/-0.038 χ^2/NDF: 0.0/0

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 62.474+/-0.017 χ^2/NDF:1348224.3/15

Out: 61.546+/-0.016 χ^2/NDF:1762688.9/19

All: 61.977+/-0.012 χ^2/NDF: 3112452.1/35



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -178.712+/-197.654 χ^2/NDF:0.0/0

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

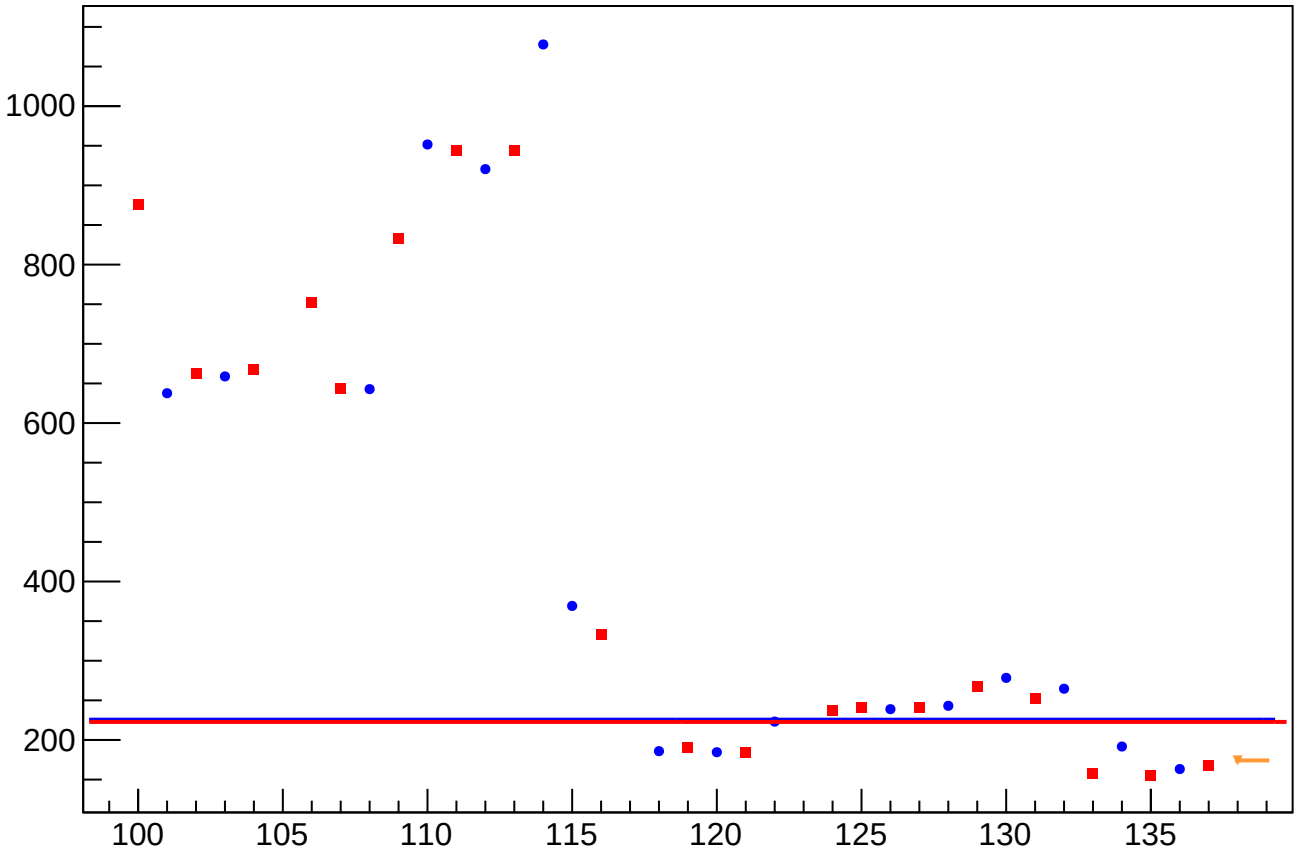
Left: -178.712+/-197.654 χ^2/NDF: 0.0/0

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 74.294+/-94.492 χ^2/NDF:11.2/15

Out: 67.681+/-85.378 χ^2/NDF:18.2/19

All: 70.654+/-63.349 χ^2/NDF: 29.5/35



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 174.174+/-0.140 χ^2/NDF:0.0/0

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

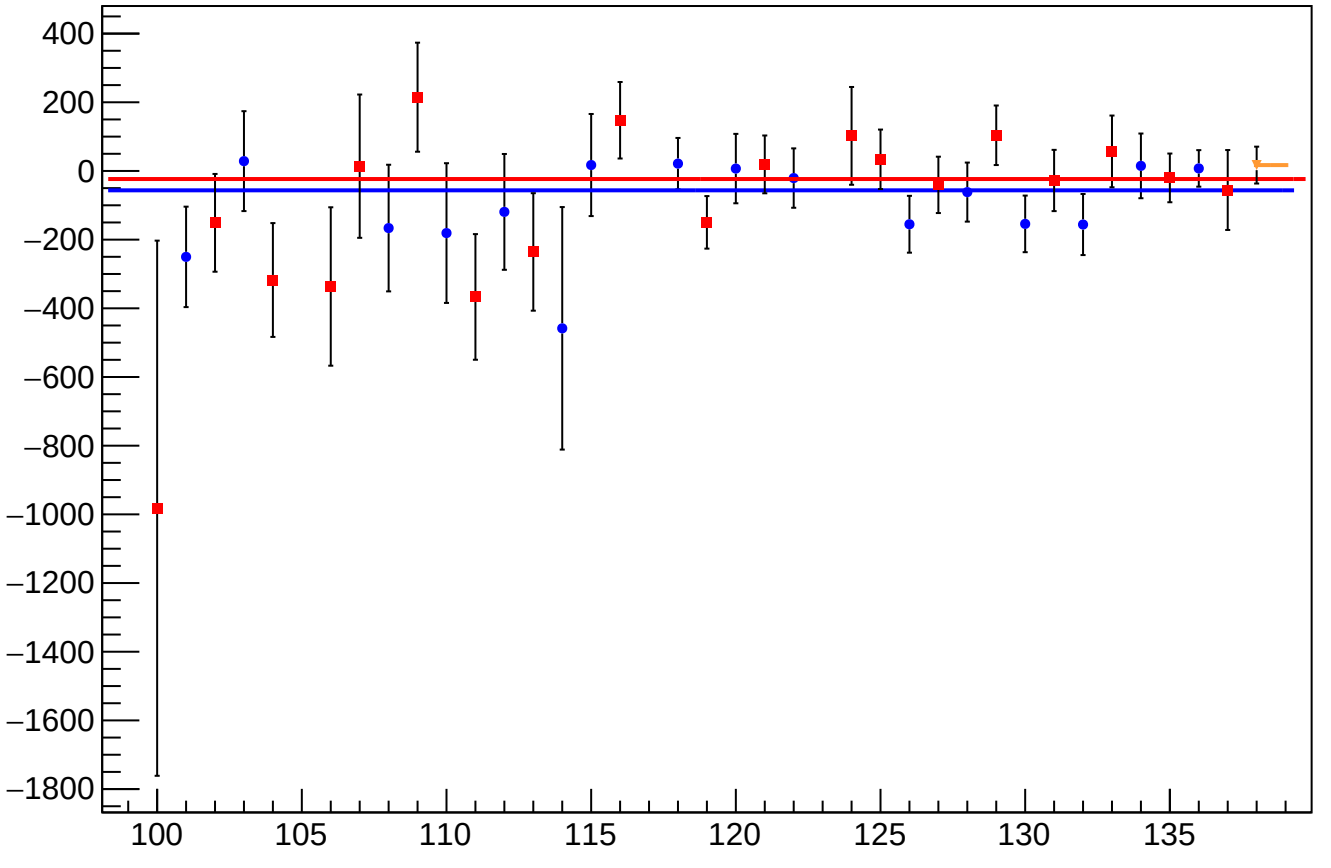
Left: 174.174+/-0.140 χ^2/NDF: 0.0/0

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 225.614+/-0.067 χ^2/NDF:3026007.7/15

Out: 213.716+/-0.060 χ^2/NDF:3946563.3/19

All: 219.064+/-0.045 χ^2/NDF: 6990030.0/35



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 17.094+/-53.674 χ^2/NDF:0.0/0

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

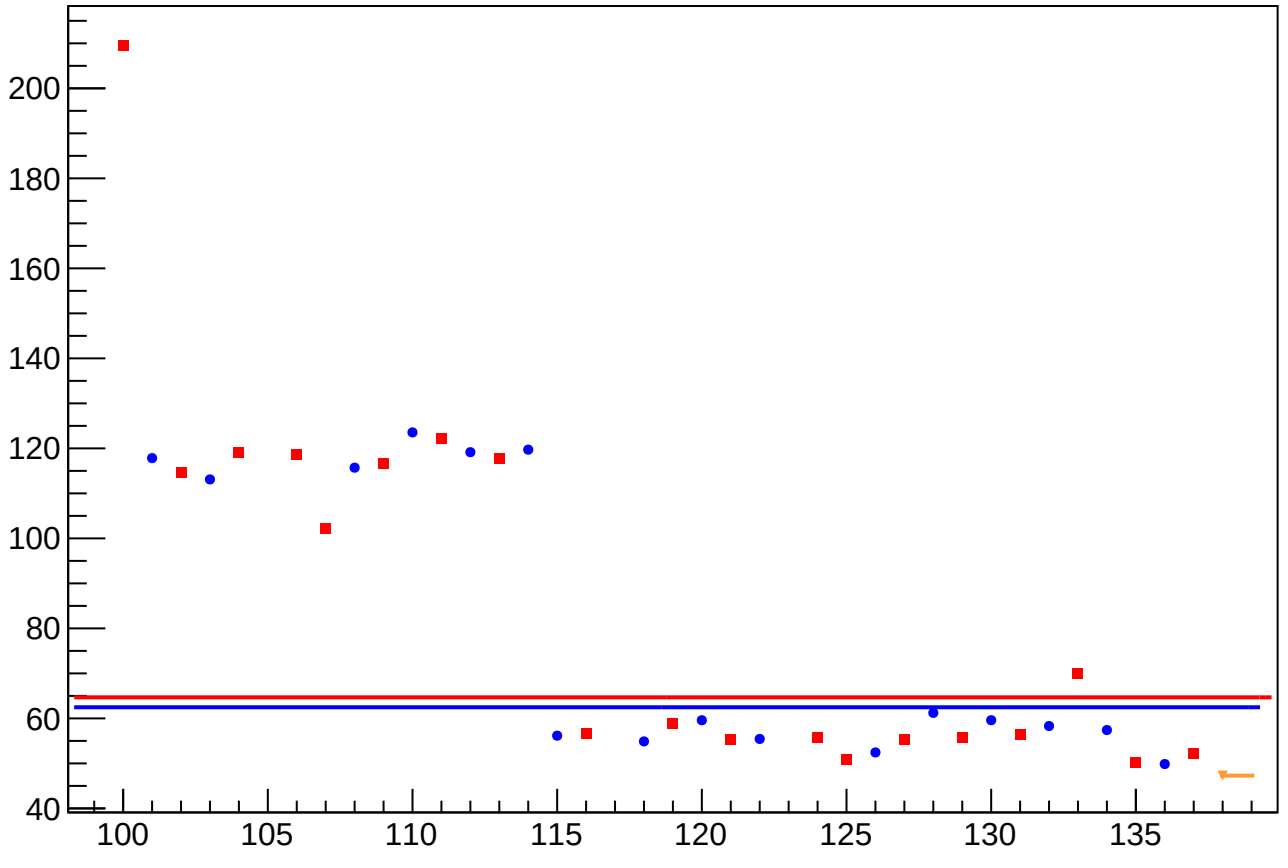
Left: 17.094+/-53.674 χ^2/NDF: 0.0/0

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -56.415+/-24.489 χ^2/NDF:12.3/15

Out: -16.185+/-22.782 χ^2/NDF:24.6/19

All: -34.849+/-16.680 χ^2/NDF: 38.3/35



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 47.284+/-0.038 χ^2/NDF:0.0/0

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 47.284+/-0.038 χ^2/NDF: 0.0/0

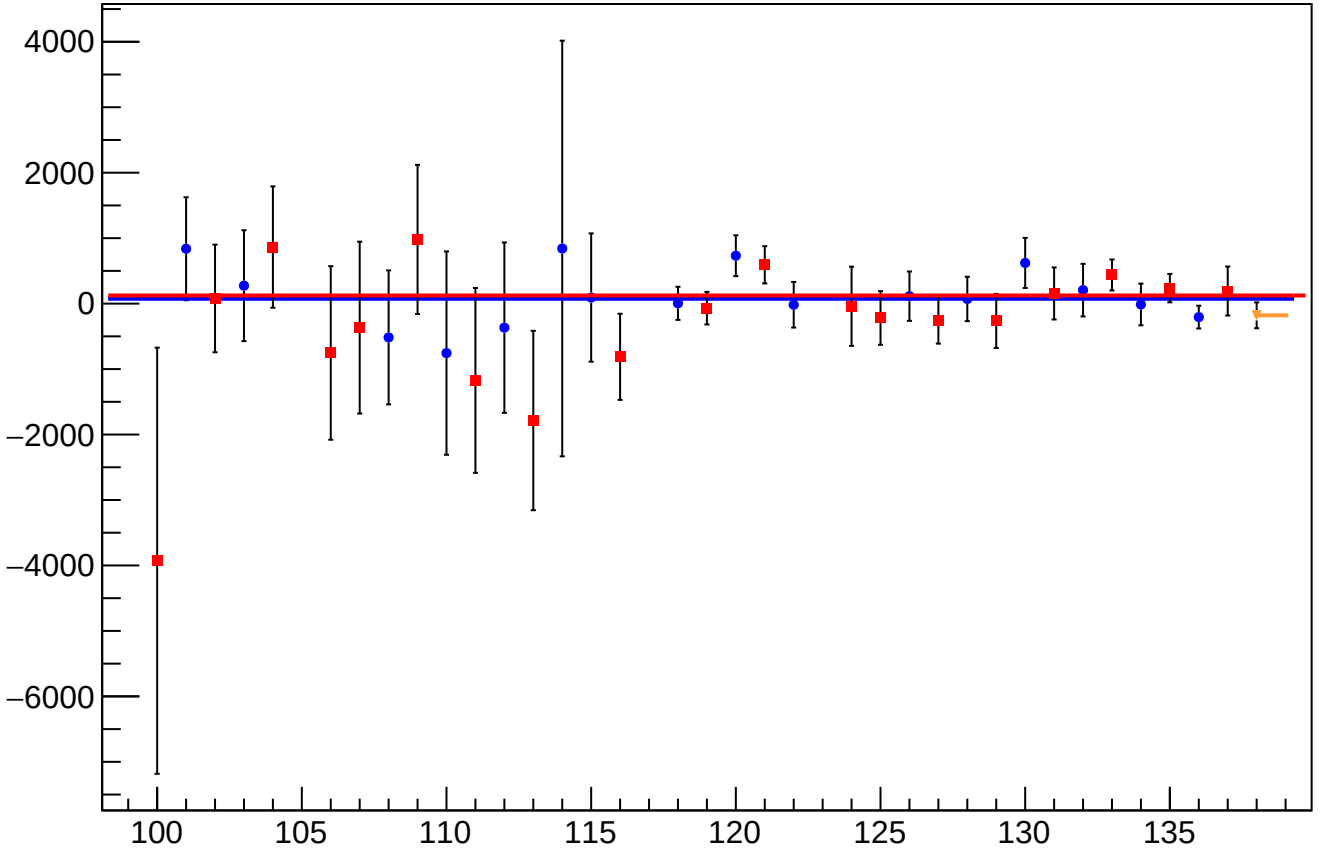
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 62.474+/-0.017 χ^2/NDF:1348204.7/15

Out: 61.546+/-0.016 χ^2/NDF:1762666.7/19

All: 61.976+/-0.012 χ^2/NDF: 3112409.4/35

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: -178.710+/-197.655 χ^2/NDF:0.0/0

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

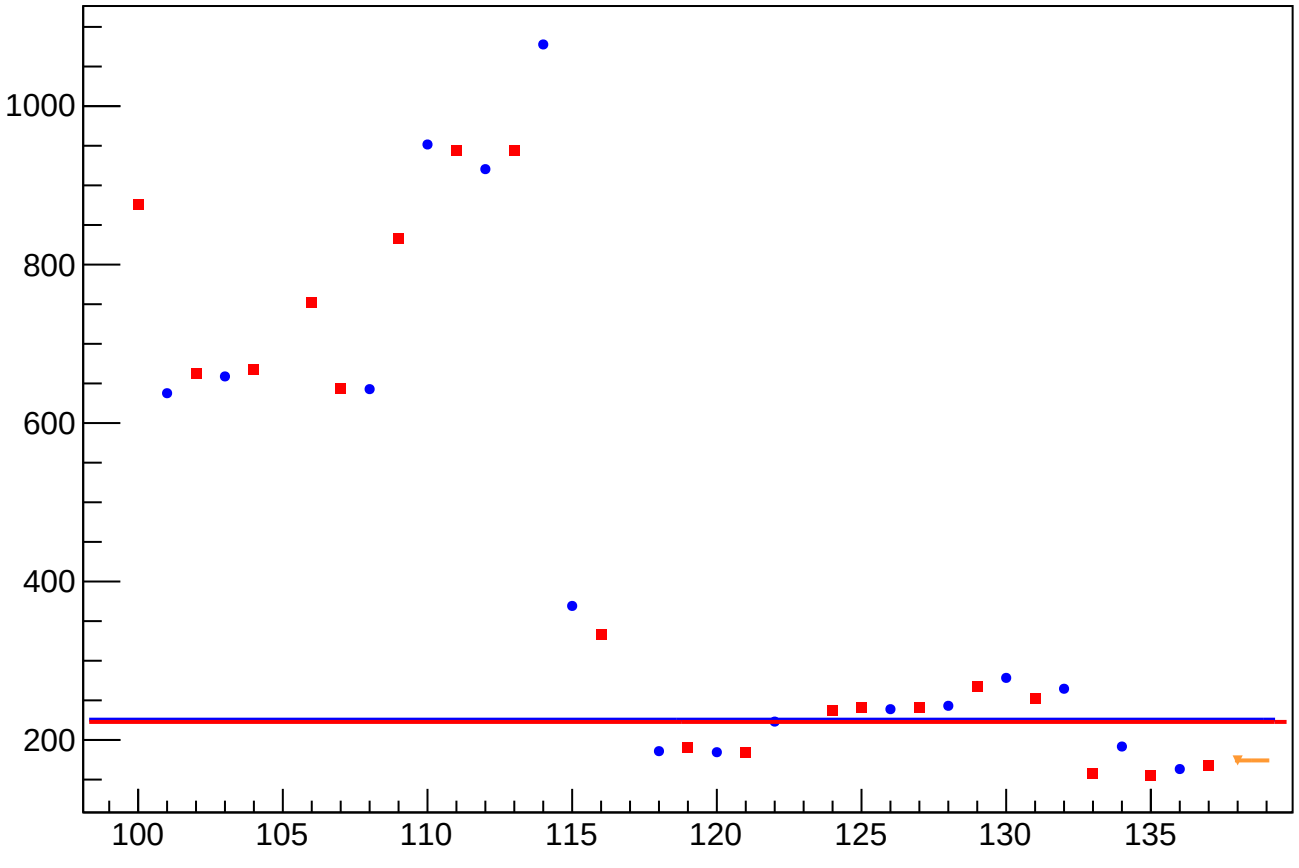
Left: -178.710+/-197.655 χ^2/NDF: 0.0/0

Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 74.295+/-94.492 χ^2/NDF:11.2/15

Out: 67.681+/-85.378 χ^2/NDF:18.2/19

All: 70.654+/-63.349 χ^2/NDF: 29.5/35



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 174.175+/-0.140 χ^2/NDF:0.0/0

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 174.175+/-0.140 χ^2/NDF: 0.0/0

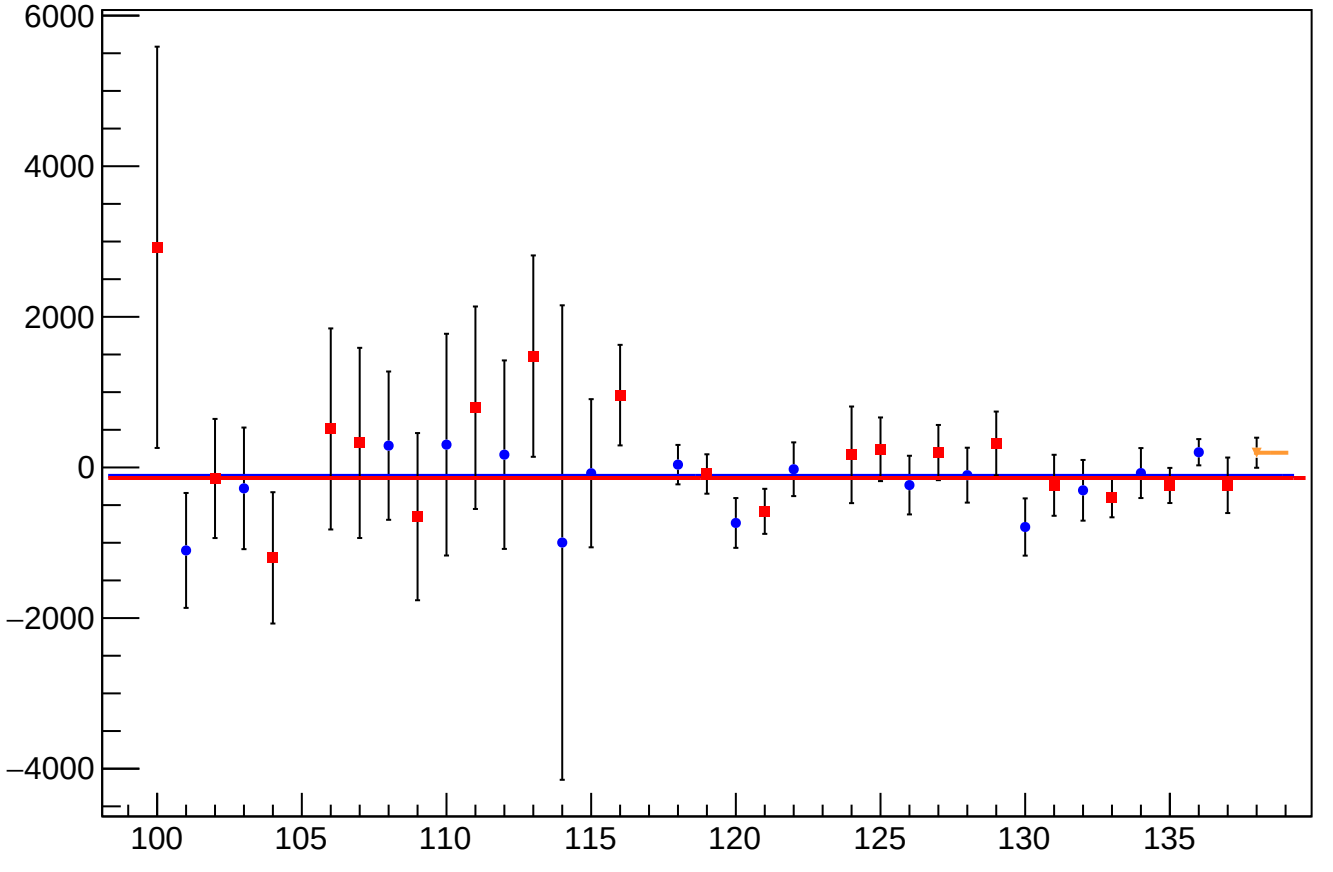
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 225.614+/-0.067 χ^2/NDF:3025994.8/15

Out: 213.716+/-0.060 χ^2/NDF:3946538.9/19

All: 219.064+/-0.045 χ^2/NDF: 6989990.3/35

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 195.585+/-199.749 χ^2/NDF:0.0/0

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 195.585+/-199.749 χ^2/NDF: 0.0/0

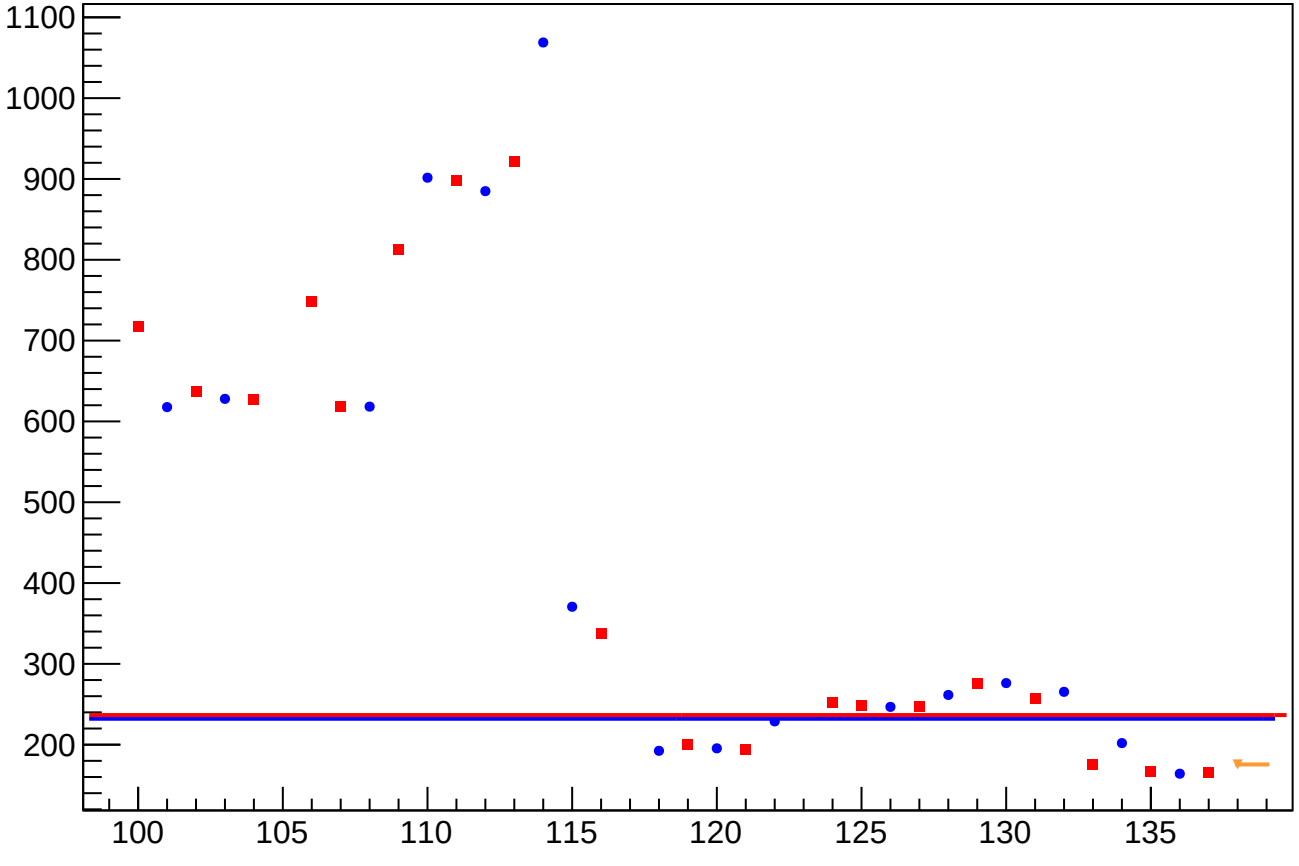
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -111.916+/-96.551 χ^2/NDF:12.8/15

Out: -73.615+/-88.828 χ^2/NDF:16.9/19

All: -91.172+/-65.371 χ^2/NDF: 29.8/35

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 175.560+/-0.141 χ^2/NDF:0.0/0

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

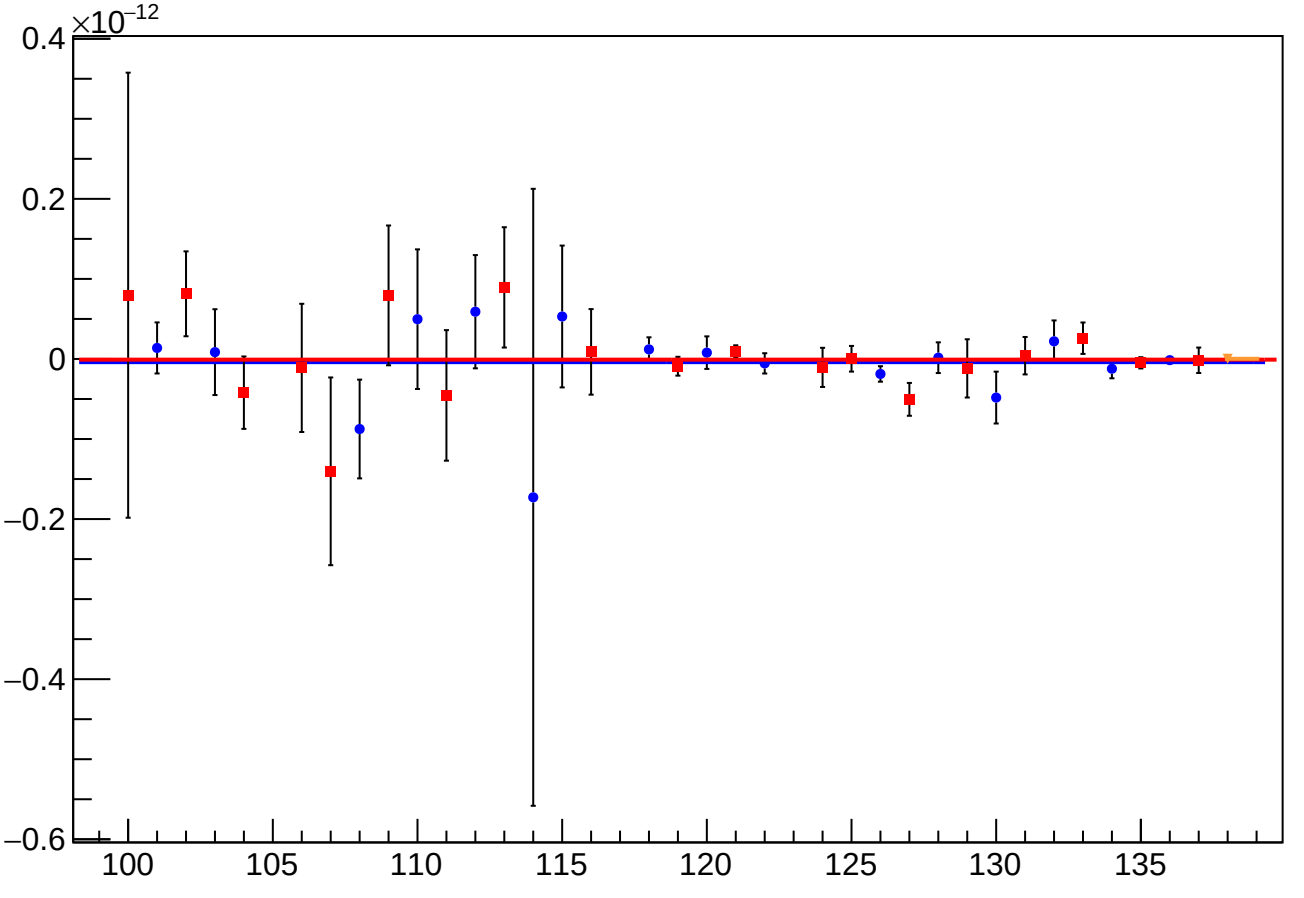
Left: 175.560+/-0.141 χ^2/NDF: 0.0/0

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 232.107+/-0.068 χ^2/NDF:2885510.6/15

Out: 224.566+/-0.063 χ^2/NDF:3671094.1/19

All: 228.023+/-0.046 χ^2/NDF: 6563211.1/35



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

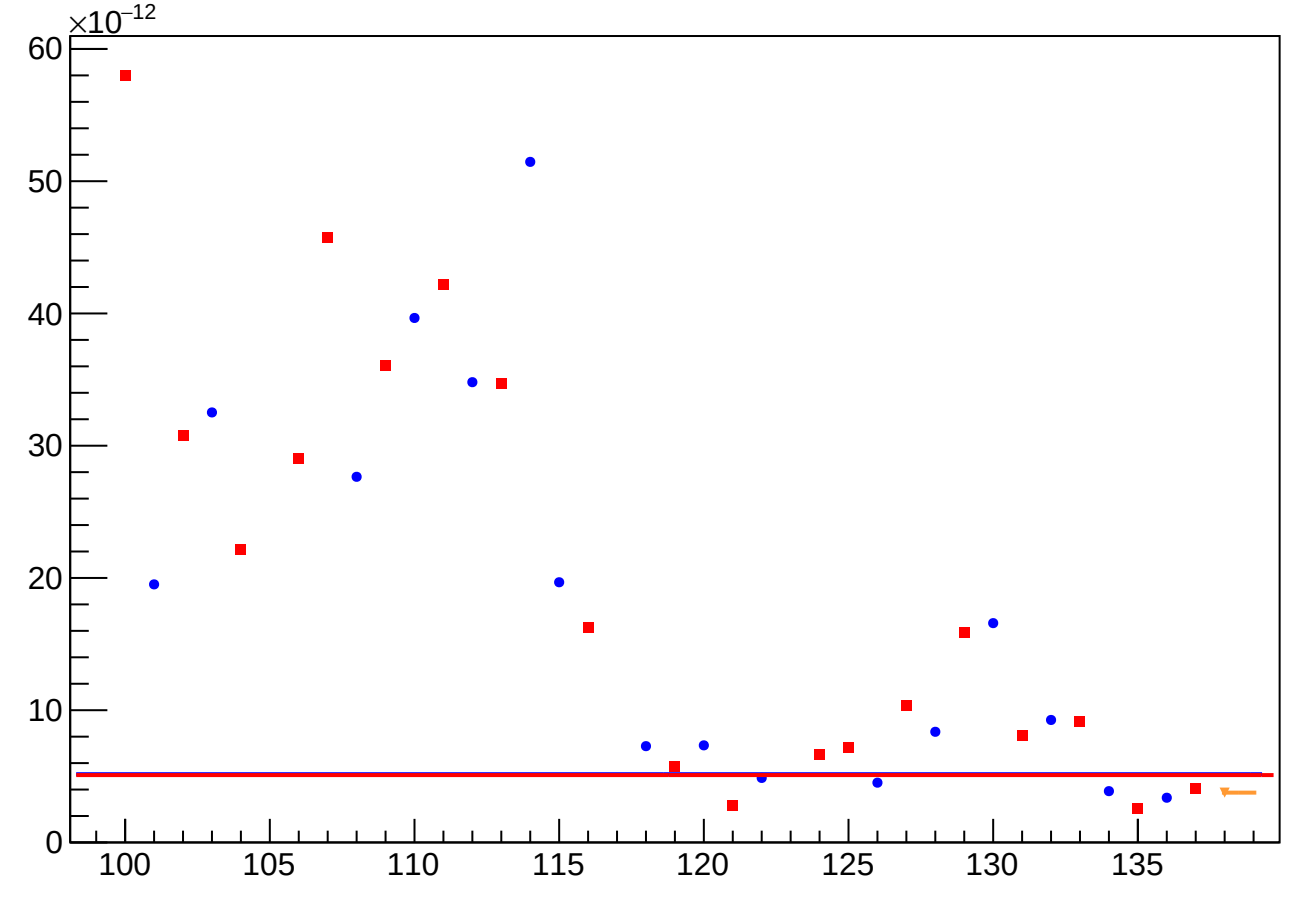
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: -0.000+/-0.000 χ^2/NDF:11.4/15

Out: -0.000+/-0.000 χ^2/NDF:18.1/19

All: -0.000+/-0.000 χ^2/NDF: 30.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

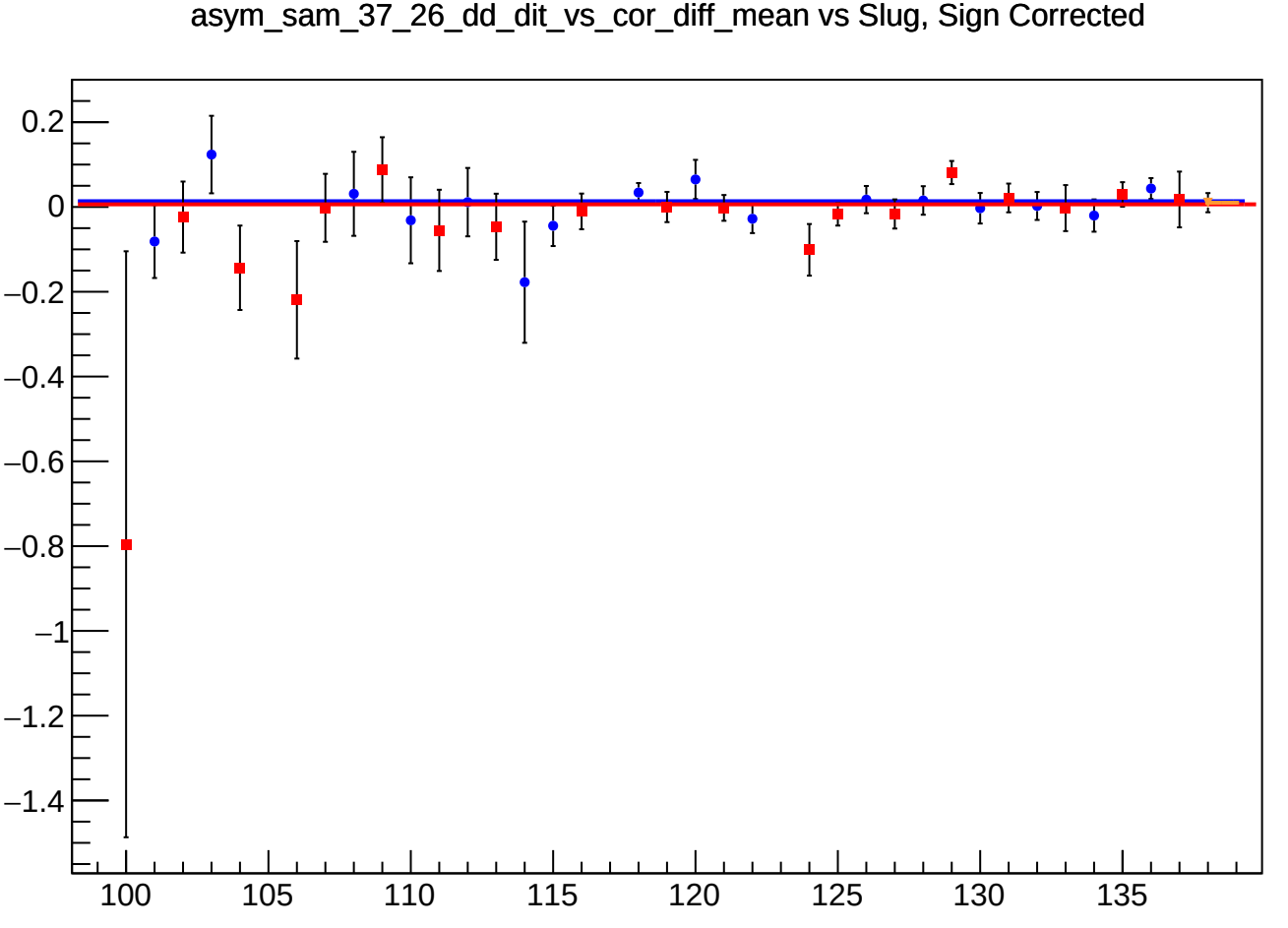
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:2618432.0/15

Out: 0.000+/-0.000 χ^2/NDF:3301143.8/19

All: 0.000+/-0.000 χ^2/NDF: 5935943.9/35



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.010+/-0.023 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

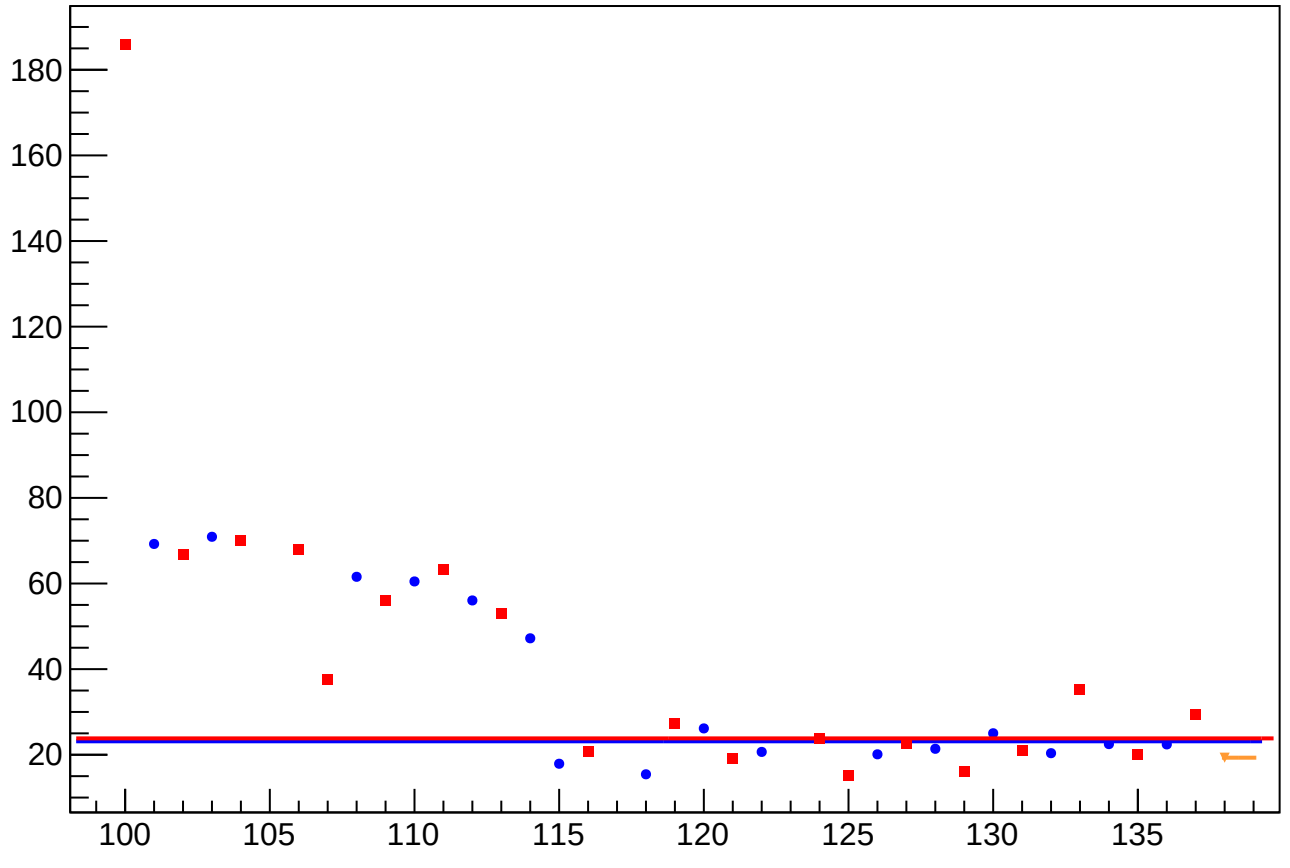
Left: 0.010+/-0.023 χ^2/NDF: 0.0/0

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.014+/-0.010 χ^2/NDF:12.3/15

Out: 0.007+/-0.009 χ^2/NDF:21.5/19

All: 0.010+/-0.007 χ^2/NDF: 34.1/35



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 19.316+/-0.016 χ^2/NDF:0.0/0

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

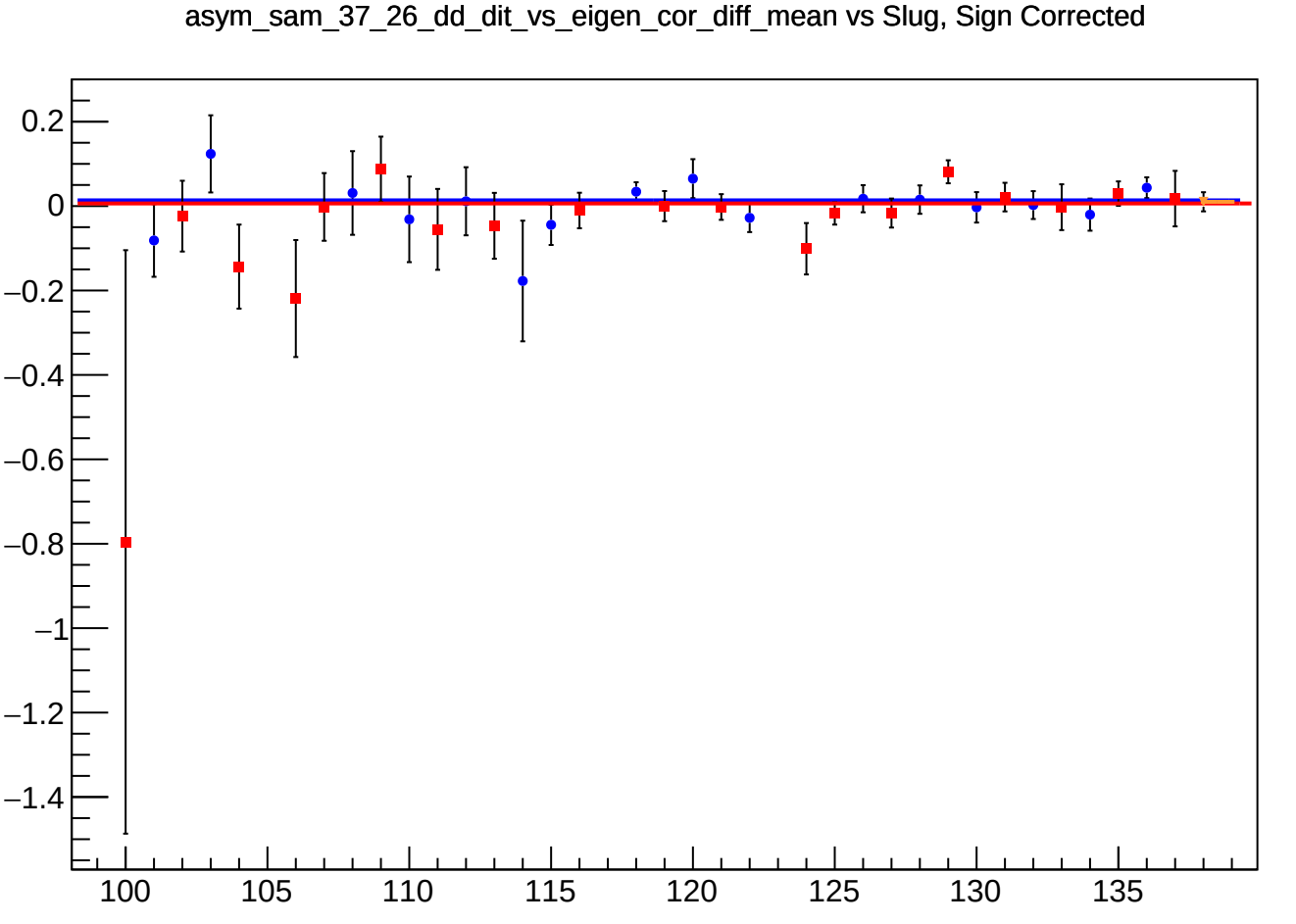
Left: 19.316+/-0.016 χ^2/NDF: 0.0/0

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 23.145+/-0.007 χ^2/NDF:2406426.8/15

Out: 23.081+/-0.007 χ^2/NDF:2965030.9/19

All: 23.111+/-0.005 χ^2/NDF: 5371501.9/35



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.010+/-0.023 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.023 χ^2/NDF: 0.0/0

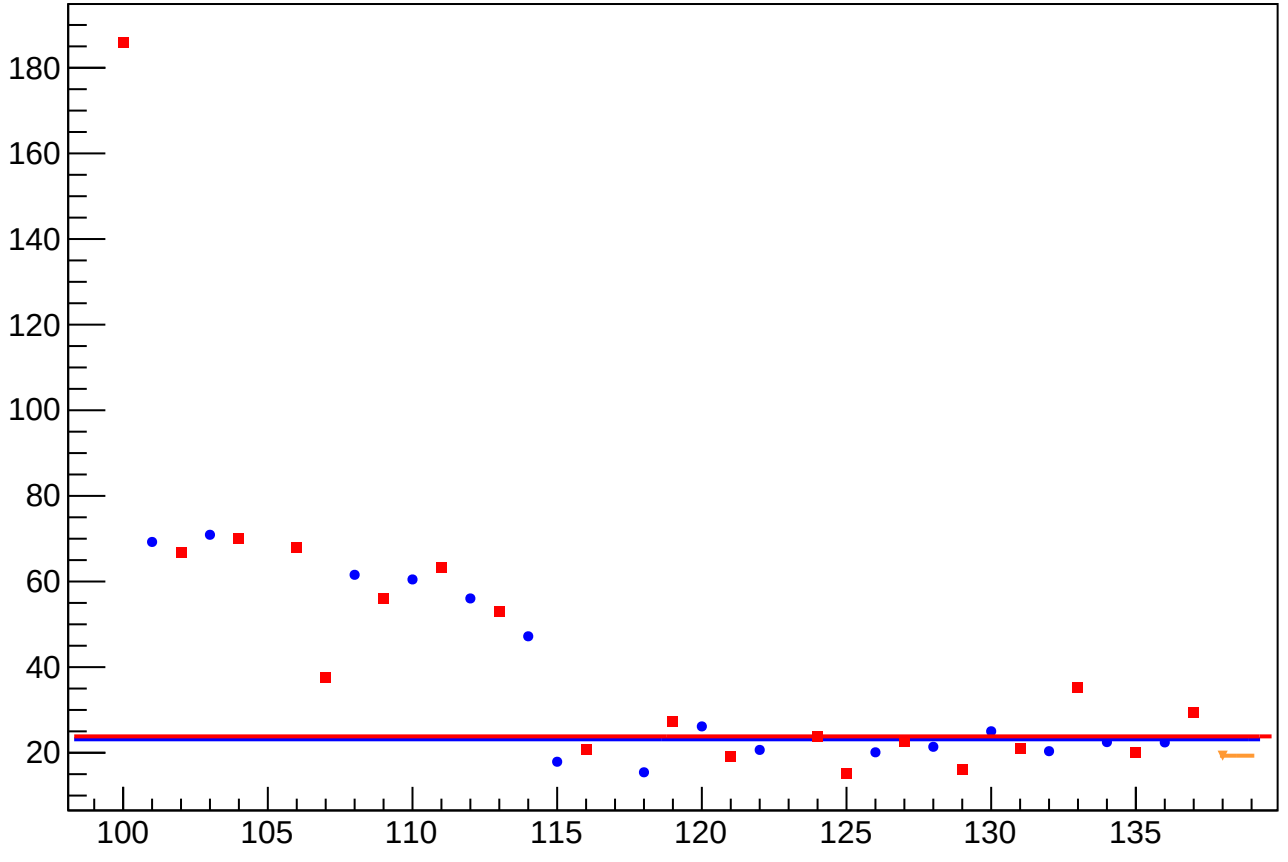
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.014+/-0.010 χ^2/NDF:12.3/15

Out: 0.007+/-0.009 χ^2/NDF:21.5/19

All: 0.010+/-0.007 χ^2/NDF: 34.1/35

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: 19.316+/-0.016 χ^2/NDF:0.0/0

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

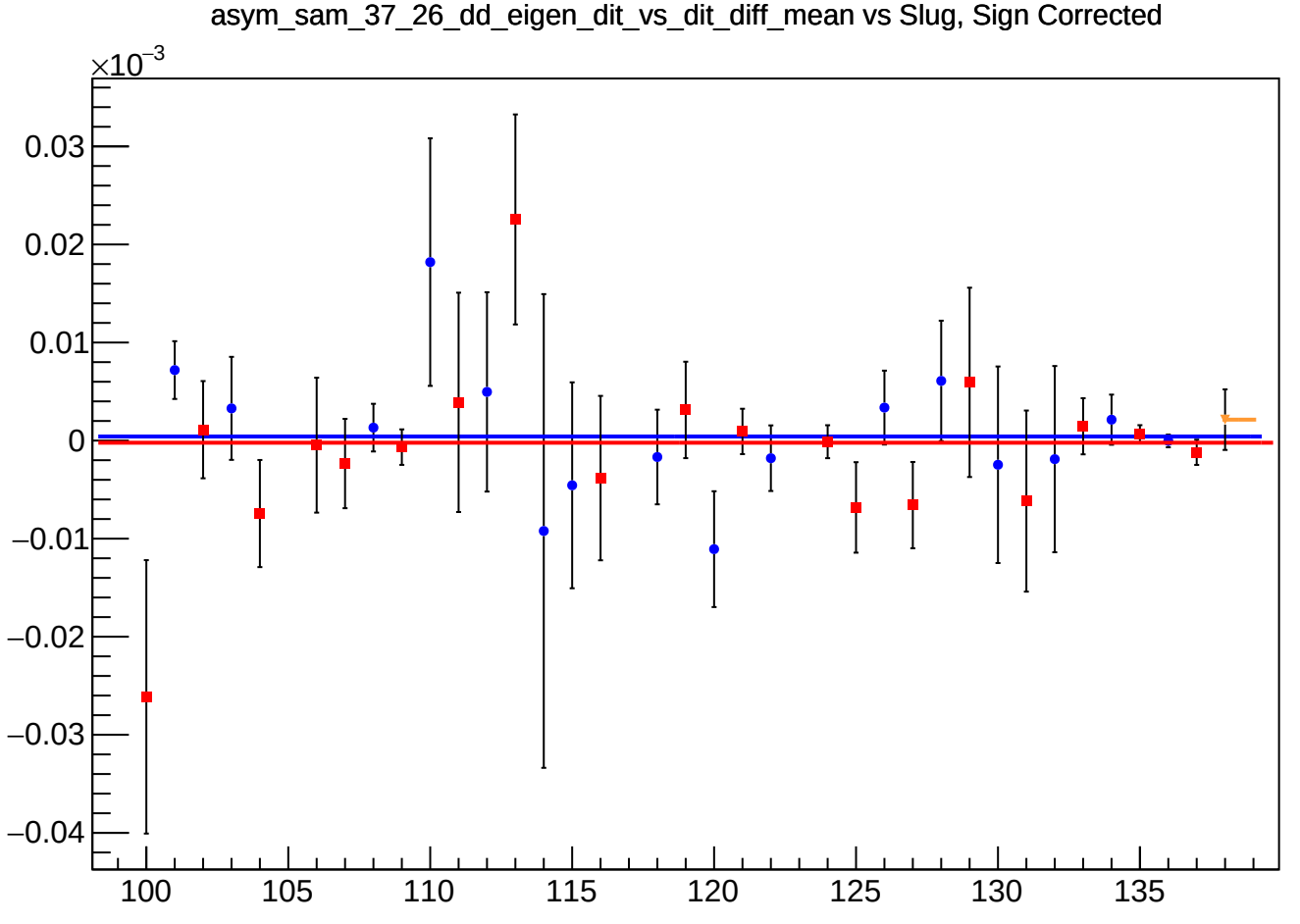
Left: 19.316+/-0.016 χ^2/NDF: 0.0/0

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 23.145+/-0.007 χ^2/NDF:2406426.8/15

Out: 23.081+/-0.007 χ^2/NDF:2965030.9/19

All: 23.111+/-0.005 χ^2/NDF: 5371501.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

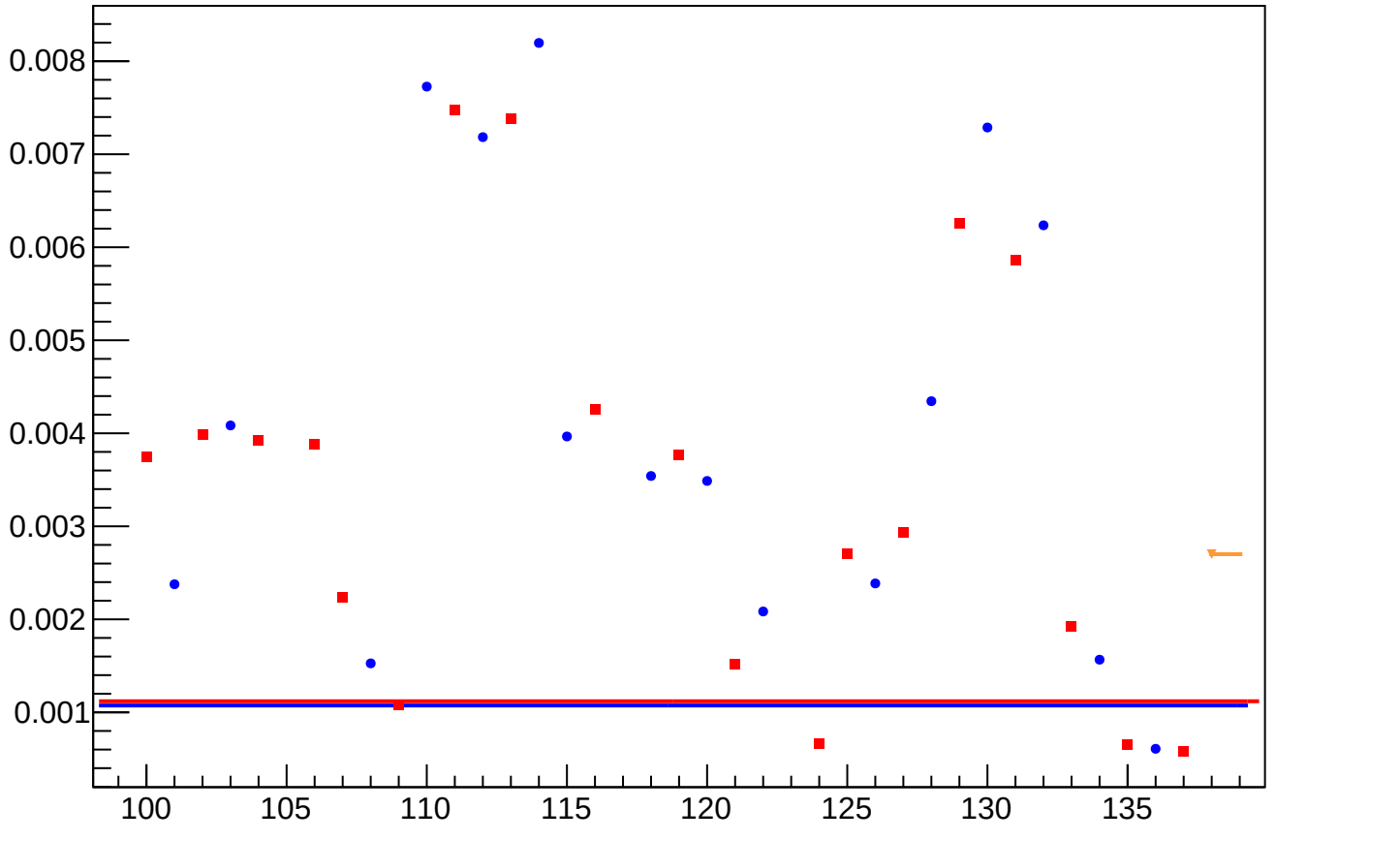
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:15.3/15

Out: -0.000+/-0.000 χ^2/NDF:18.4/19

All: 0.000+/-0.000 χ^2/NDF: 34.2/35



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

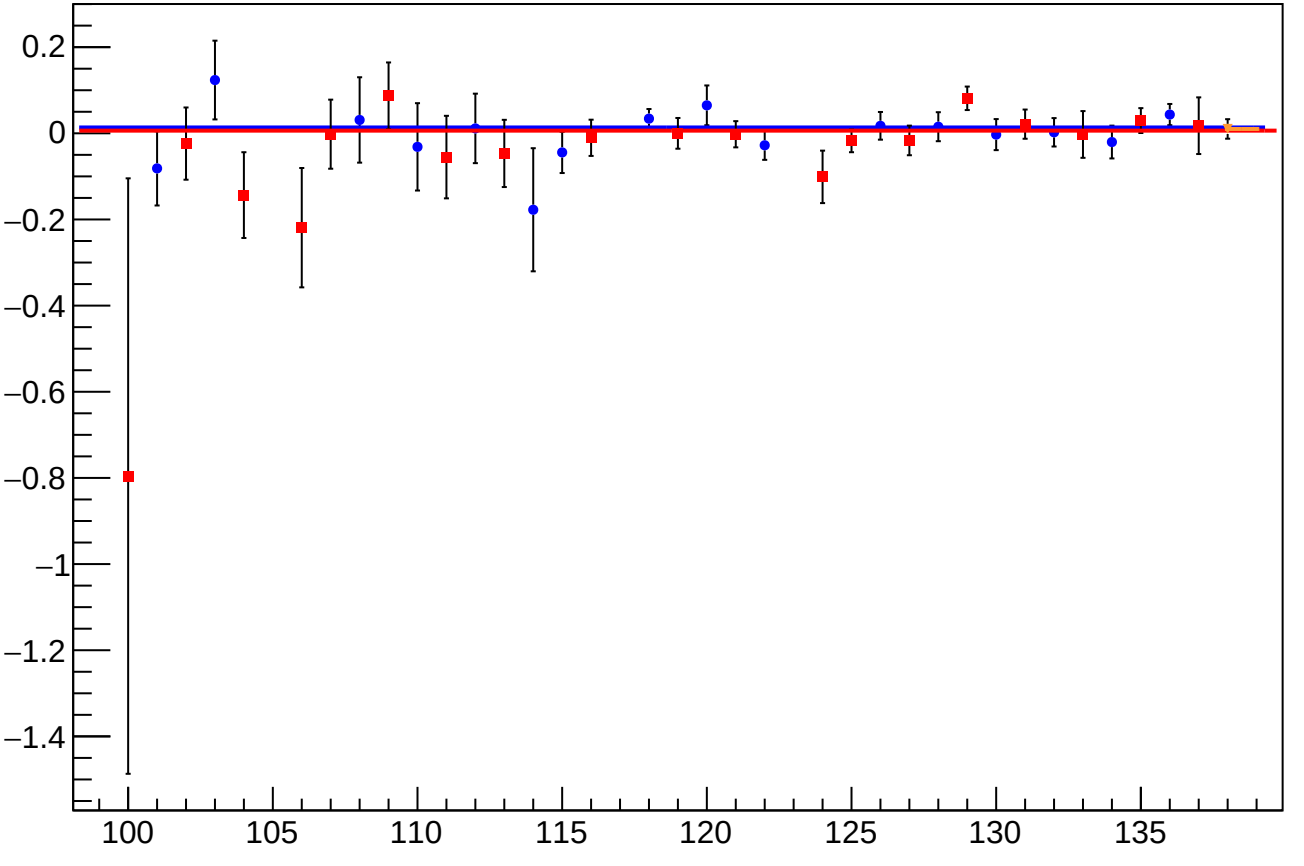
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:7045313.7/15

Out: 0.001+/-0.000 χ^2/NDF:7303323.2/19

All: 0.001+/-0.000 χ^2/NDF: 14378840.5/35

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.010+/-0.023 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.023 χ^2/NDF: 0.0/0

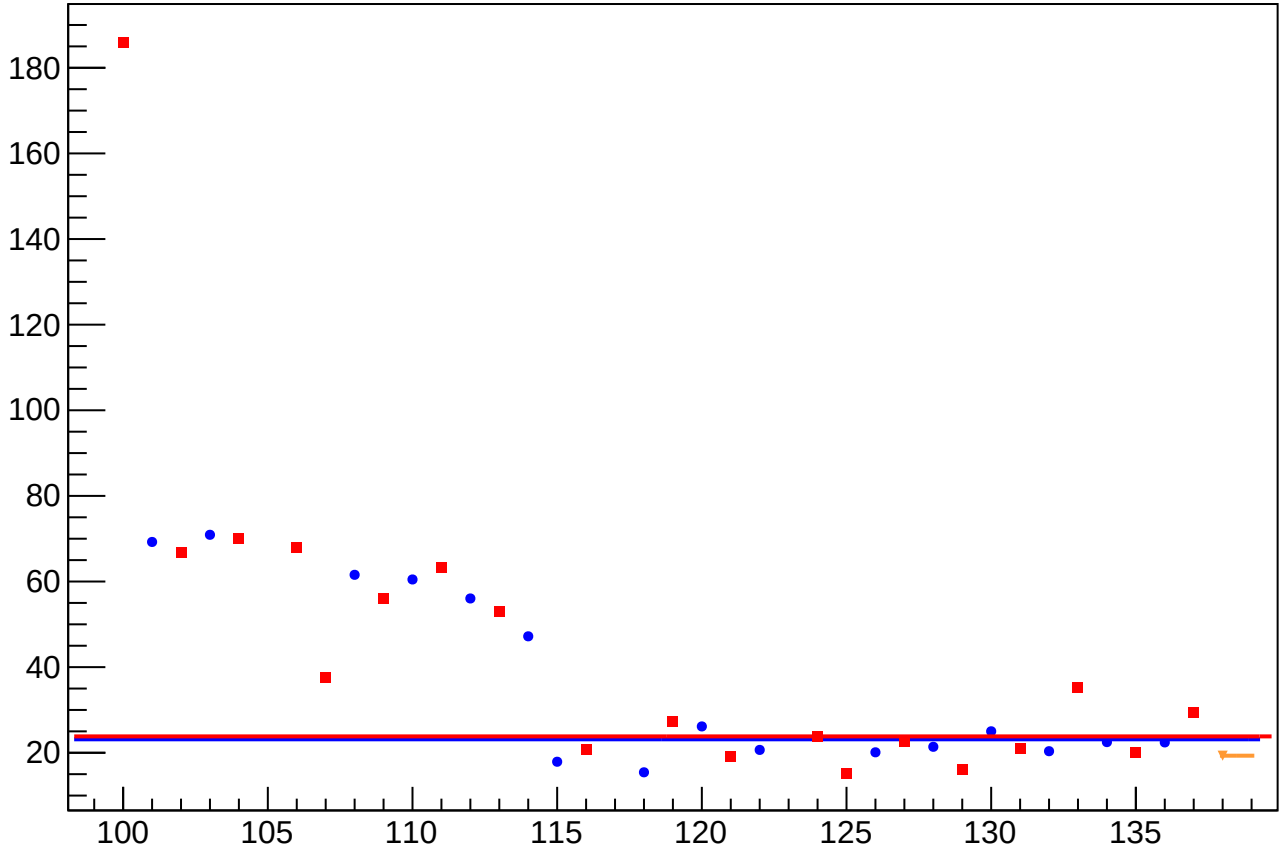
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.014+/-0.010 χ^2/NDF:12.3/15

Out: 0.007+/-0.009 χ^2/NDF:21.5/19

All: 0.010+/-0.007 χ^2/NDF: 34.1/35

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: 19.317+/-0.016 χ^2/NDF:0.0/0

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 19.317+/-0.016 χ^2/NDF: 0.0/0

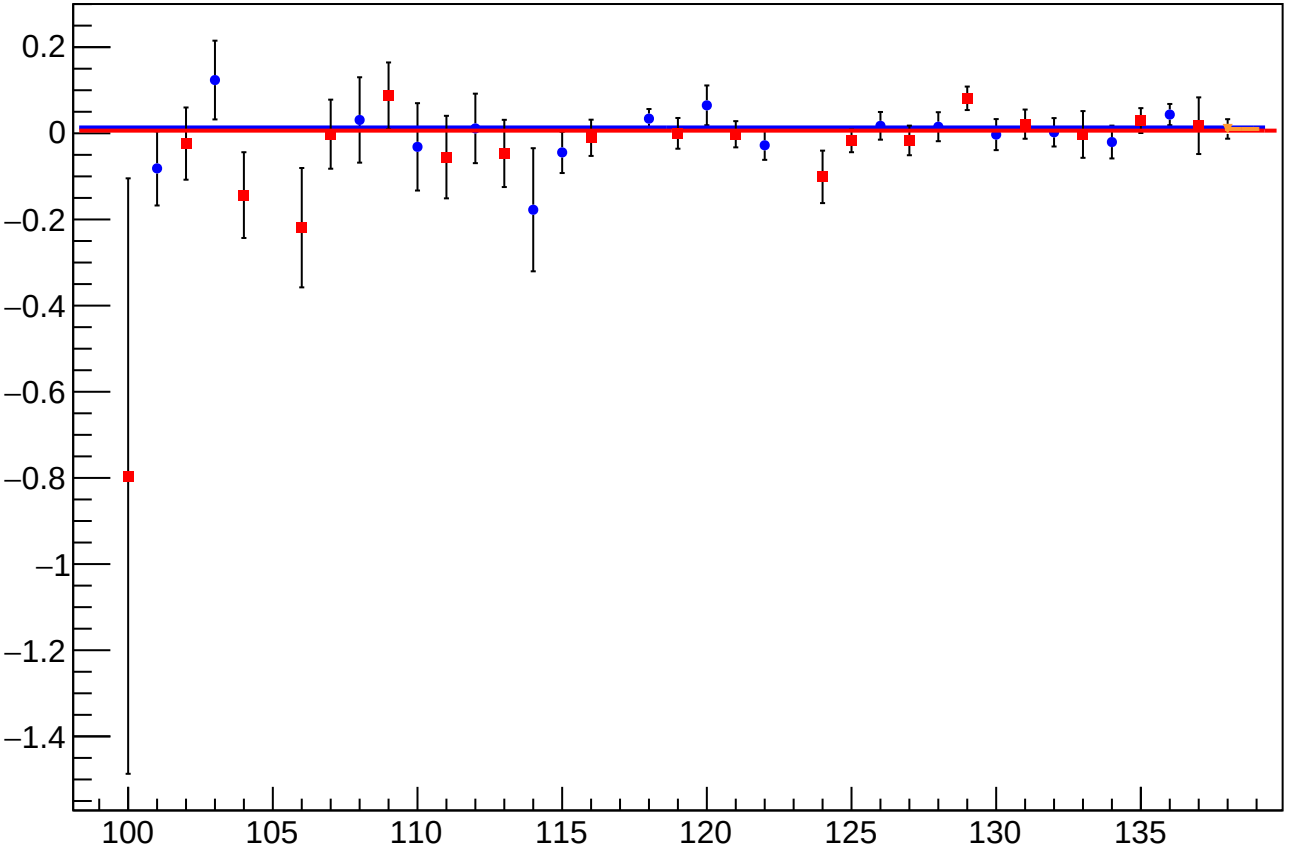
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 23.144+/-0.007 χ^2/NDF:2406451.1/15

Out: 23.081+/-0.007 χ^2/NDF:2964950.2/19

All: 23.110+/-0.005 χ^2/NDF: 5371444.3/35

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: 0.010+/-0.023 χ^2/NDF:0.0/0

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.010+/-0.023 χ^2/NDF: 0.0/0

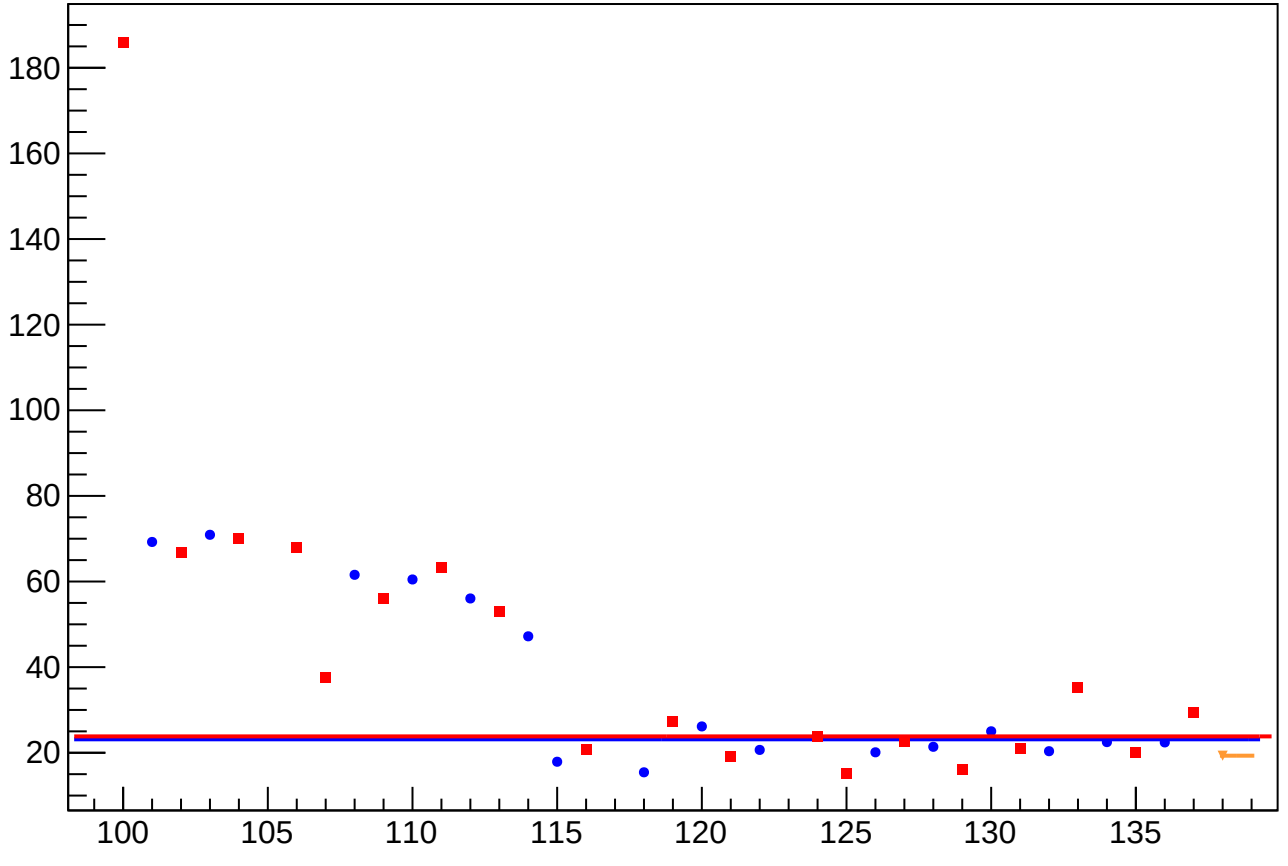
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.014+/-0.010 χ^2/NDF:12.3/15

Out: 0.007+/-0.009 χ^2/NDF:21.5/19

All: 0.010+/-0.007 χ^2/NDF: 34.1/35

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: 19.317+/-0.016 χ^2/NDF:0.0/0

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

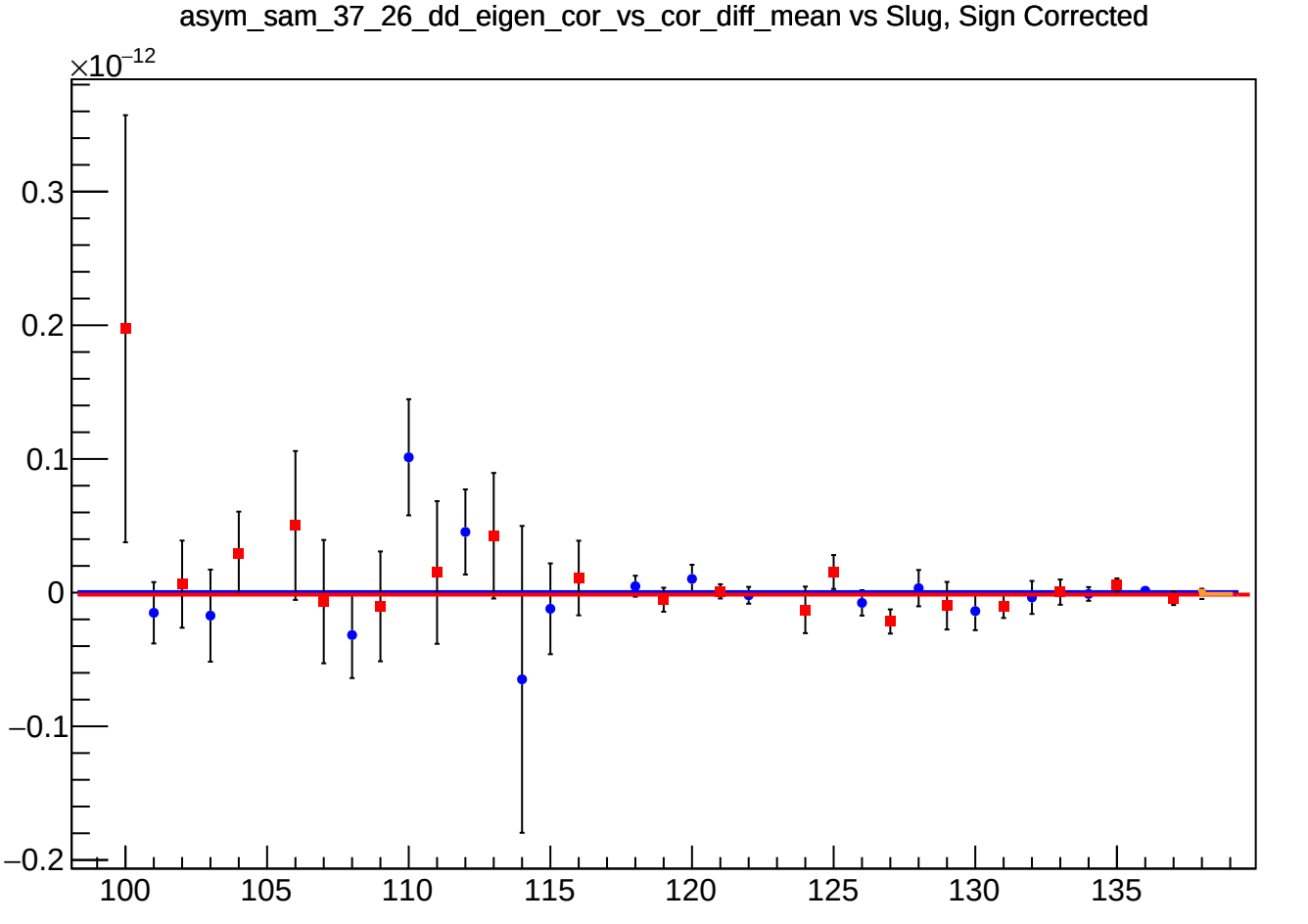
Left: 19.317+/-0.016 χ^2/NDF: 0.0/0

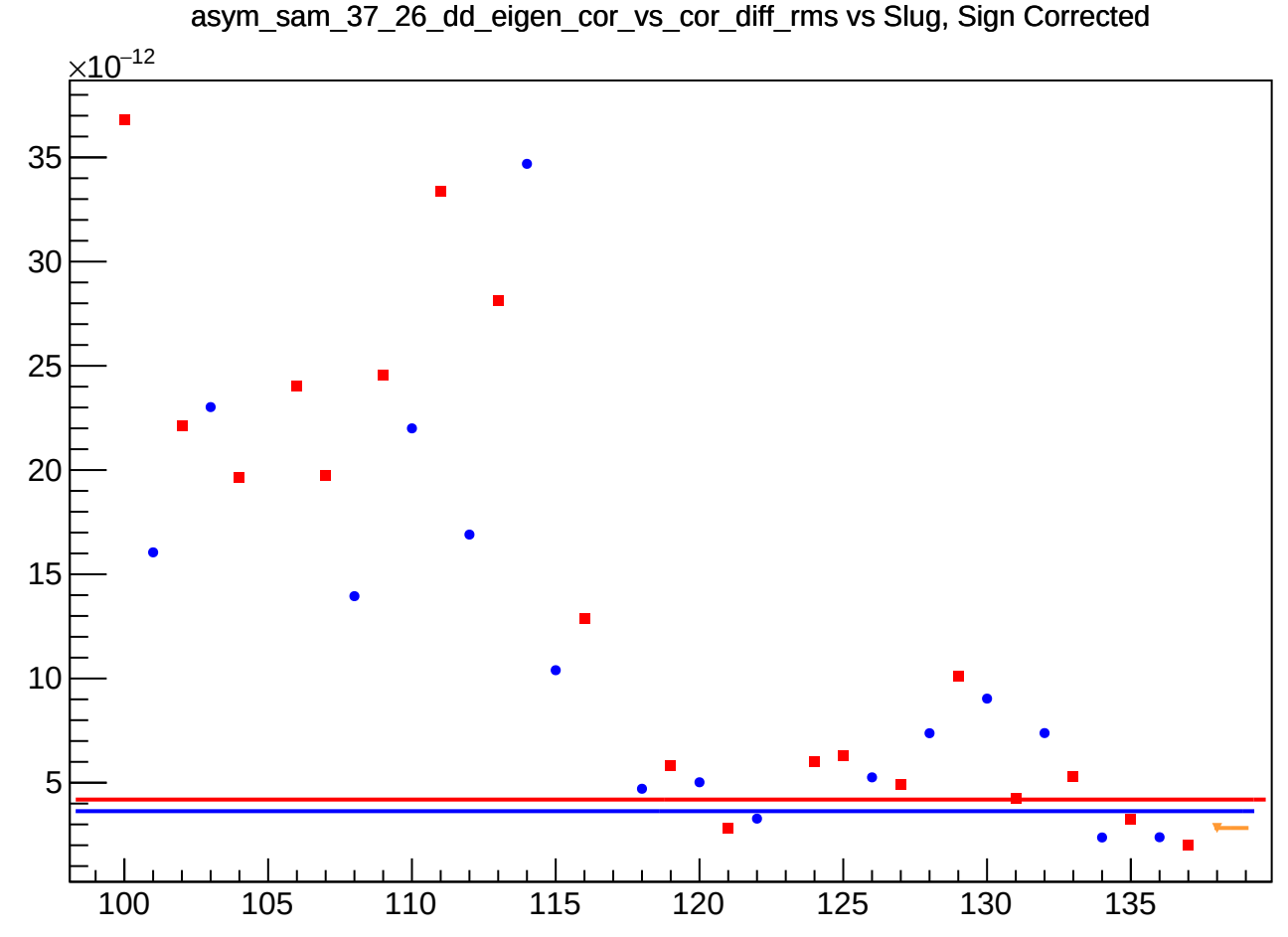
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 23.144+/-0.007 χ^2/NDF:2406451.1/15

Out: 23.081+/-0.007 χ^2/NDF:2964950.2/19

All: 23.110+/-0.005 χ^2/NDF: 5371444.3/35


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.3
0.2
0.1
0
−0.1
−0.2
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:0.0/0
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.000+/-0.000 χ²/NDF: 0.0/0
Right: -0.000+/-0.000 χ²/NDF: 28.9/34
In: 0.000+/-0.000 χ²/NDF:12.9/15
Out: -0.000+/-0.000 χ²/NDF:15.6/19
All: -0.000+/-0.000 χ²/NDF: 28.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

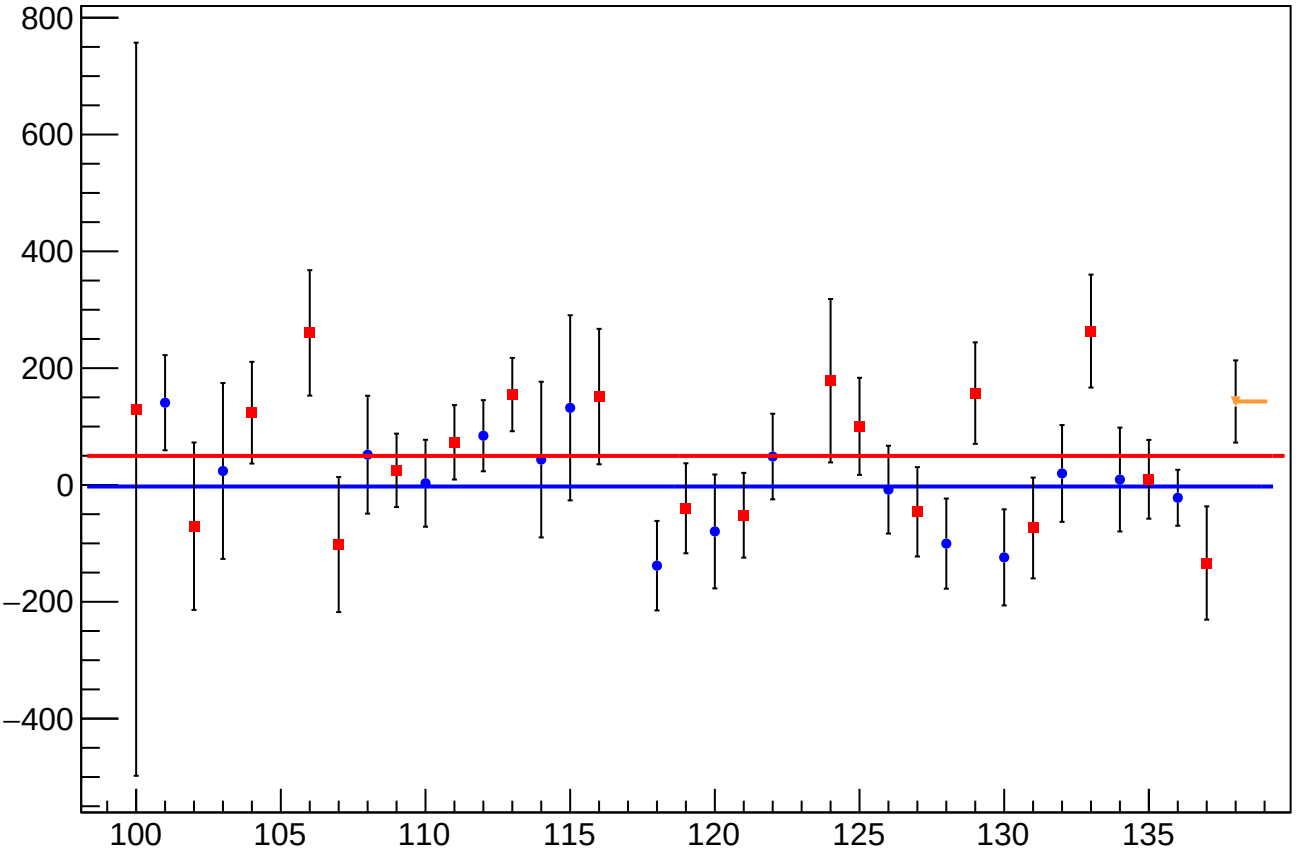
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:3590314.4/15

Out: 0.000+/-0.000 χ^2/NDF:4637311.3/19

All: 0.000+/-0.000 χ^2/NDF: 8235969.4/35



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 142.969+/-70.370 χ^2/NDF:0.0/0

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

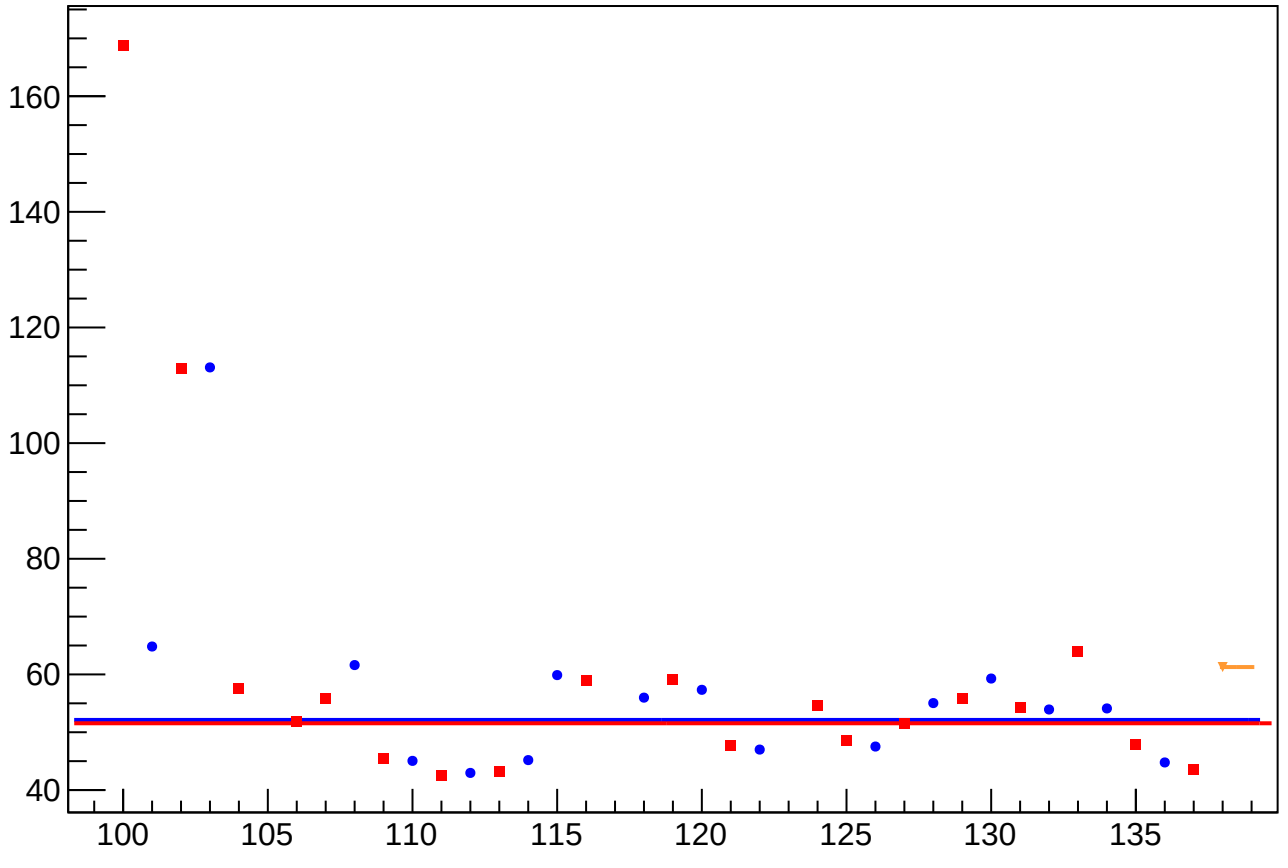
Left: 142.969+/-70.370 χ^2/NDF: 0.0/0

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: -2.614+/-19.994 χ^2/NDF:14.6/15

Out: 56.530+/-18.900 χ^2/NDF:31.0/19

All: 28.620+/-13.735 χ^2/NDF: 50.2/35



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 61.274+/-0.050 χ^2/NDF:0.0/0

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

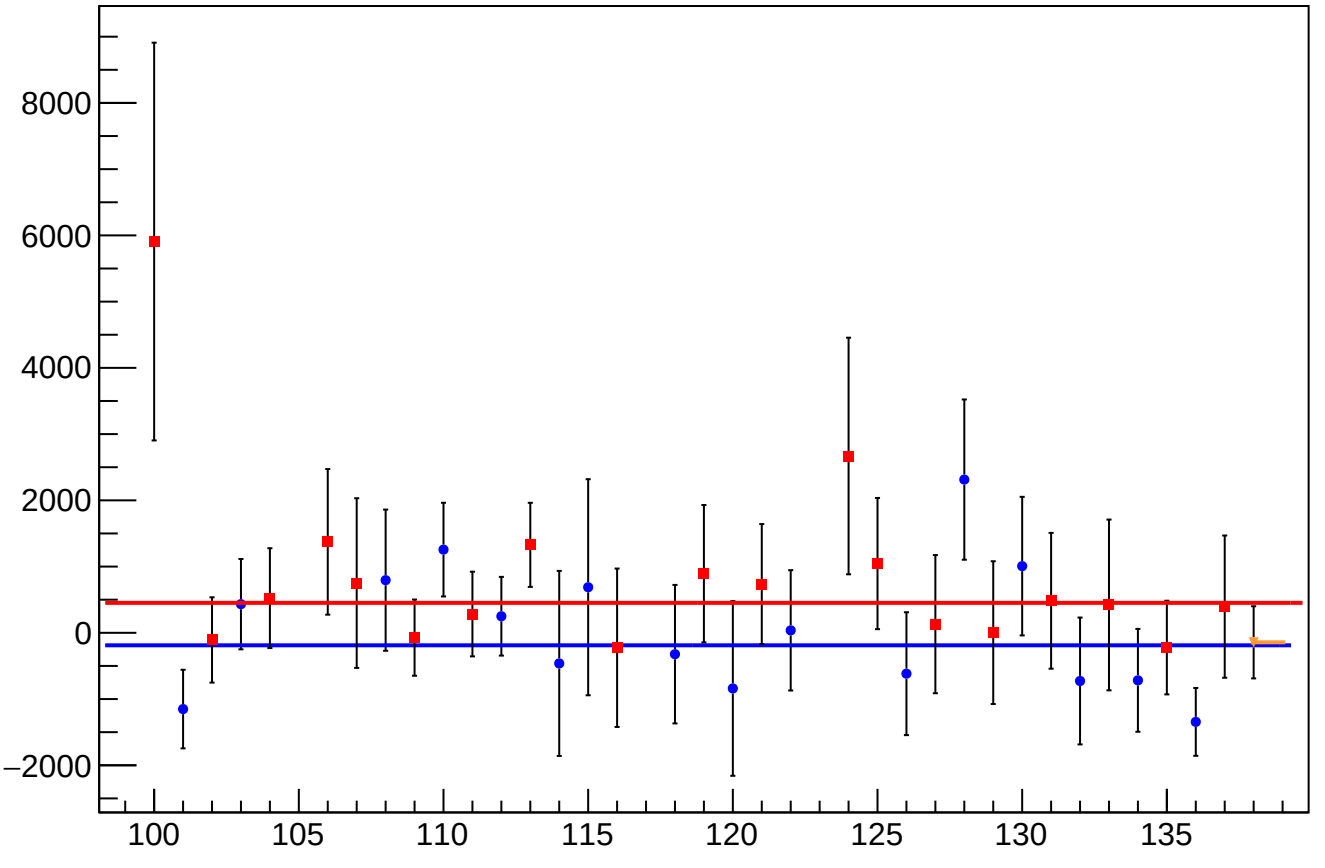
Left: 61.274+/-0.050 χ^2/NDF: 0.0/0

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 52.128+/-0.014 χ^2/NDF:562918.0/15

Out: 52.251+/-0.013 χ^2/NDF:674997.2/19

All: 52.193+/-0.010 χ^2/NDF: 1237955.0/35



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -143.597+/-544.673 χ^2/NDF:0.0/0

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

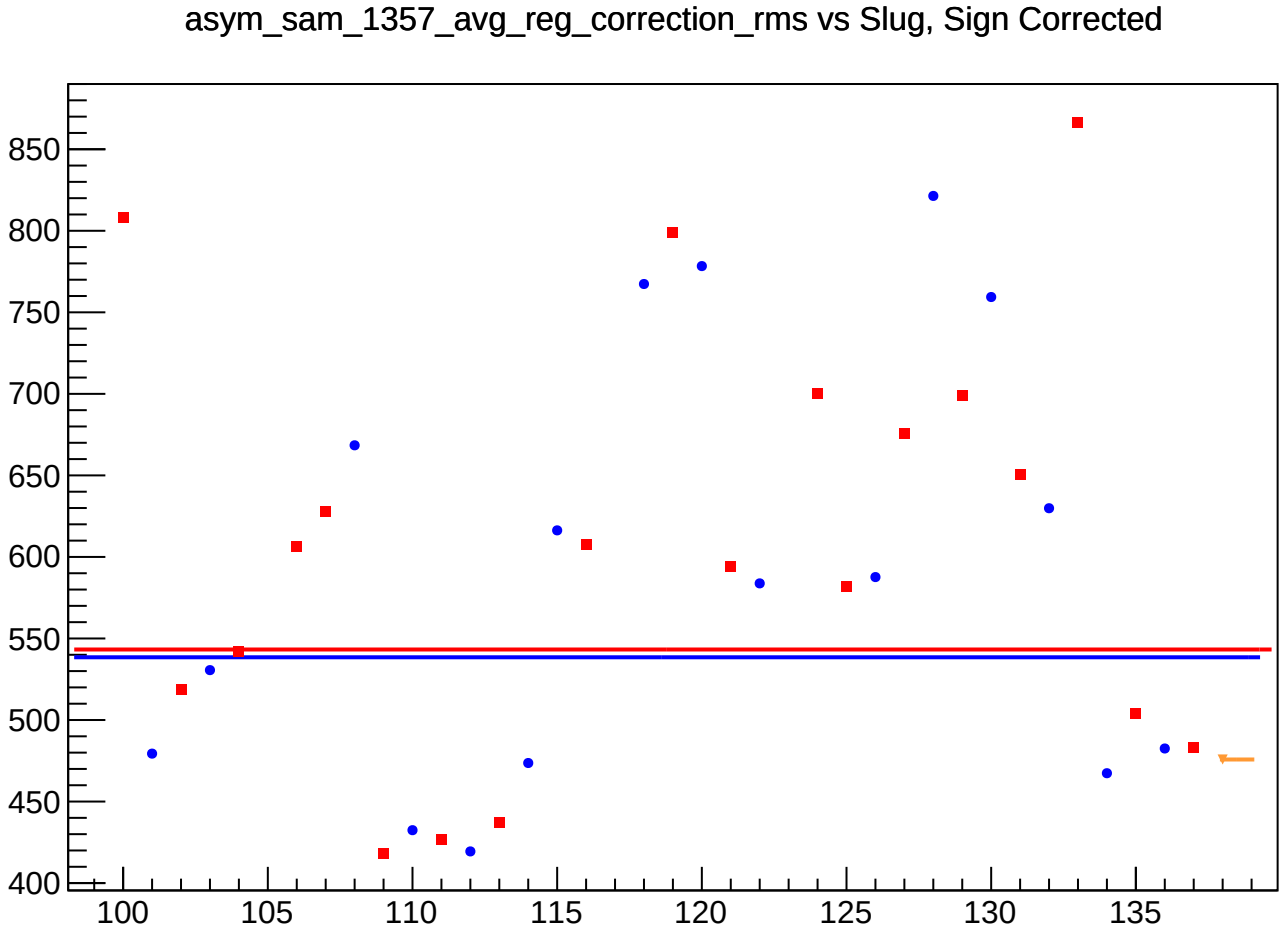
Left: -143.597+/-544.673 χ^2/NDF: 0.0/0

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: -188.563+/-205.811 χ^2/NDF:21.4/15

Out: 379.255+/-190.973 χ^2/NDF:12.4/19

All: 116.550+/-139.990 χ^2/NDF: 37.8/35



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 475.787+/-0.385 χ^2/NDF:0.0/0

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

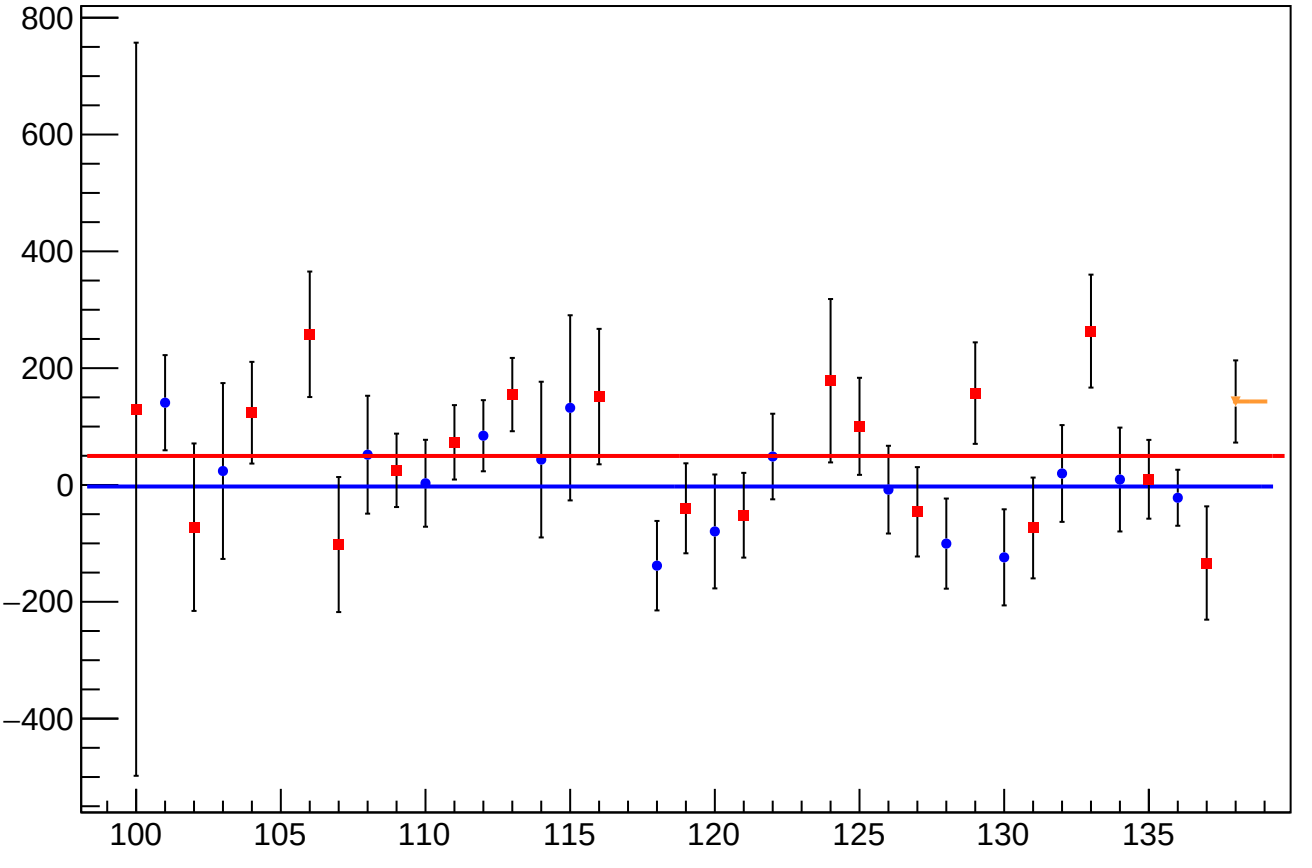
Left: 475.787+/-0.385 χ^2/NDF: 0.0/0

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 538.468+/-0.146 χ^2/NDF:613995.2/15

Out: 534.949+/-0.135 χ^2/NDF:664019.4/19

All: 536.577+/-0.099 χ^2/NDF: 1278328.7/35



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 142.962+/-70.370 χ^2/NDF:0.0/0

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

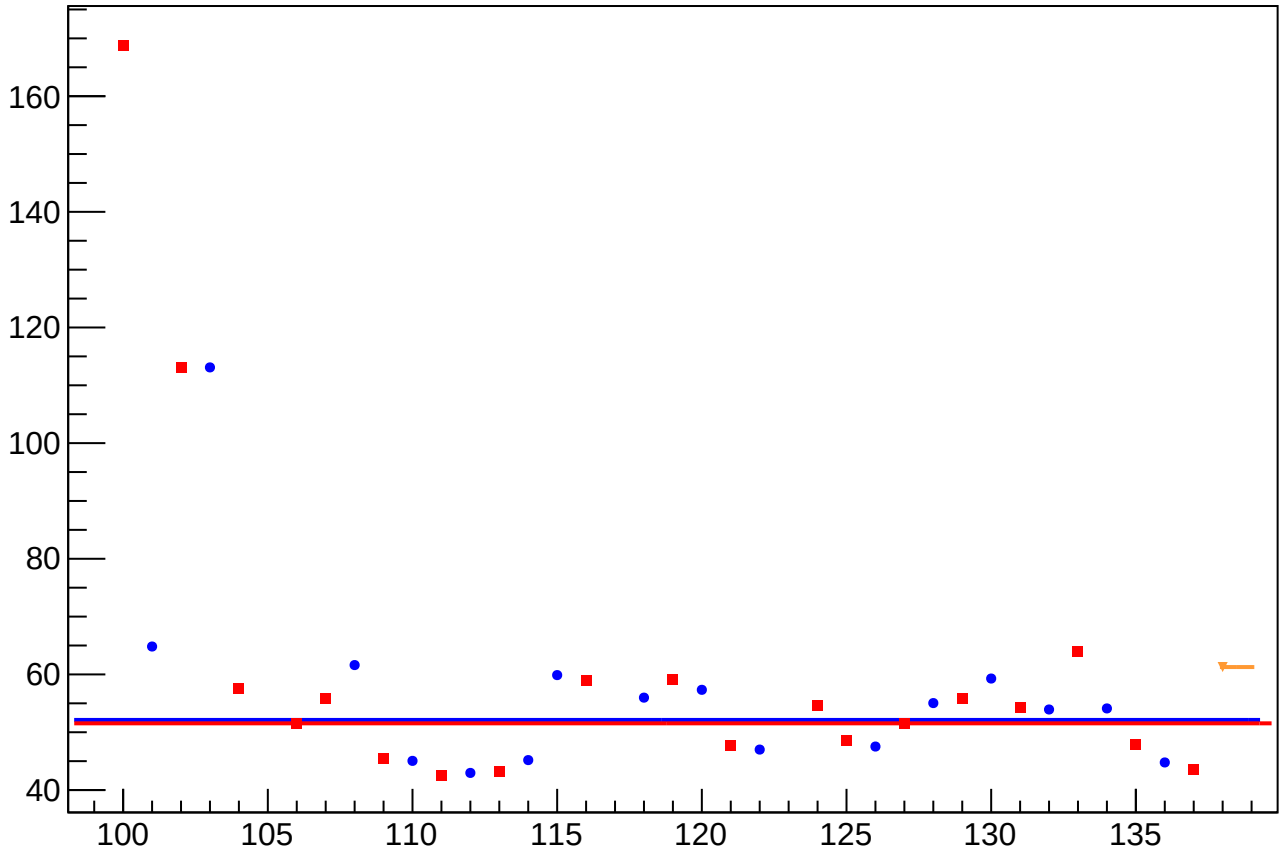
Left: 142.962+/-70.370 χ^2/NDF: 0.0/0

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: -2.618+/-19.995 χ^2/NDF:14.6/15

Out: 56.422+/-18.901 χ^2/NDF:30.9/19

All: 28.561+/-13.735 χ^2/NDF: 50.1/35



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 61.274+/-0.050 χ^2/NDF:0.0/0

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

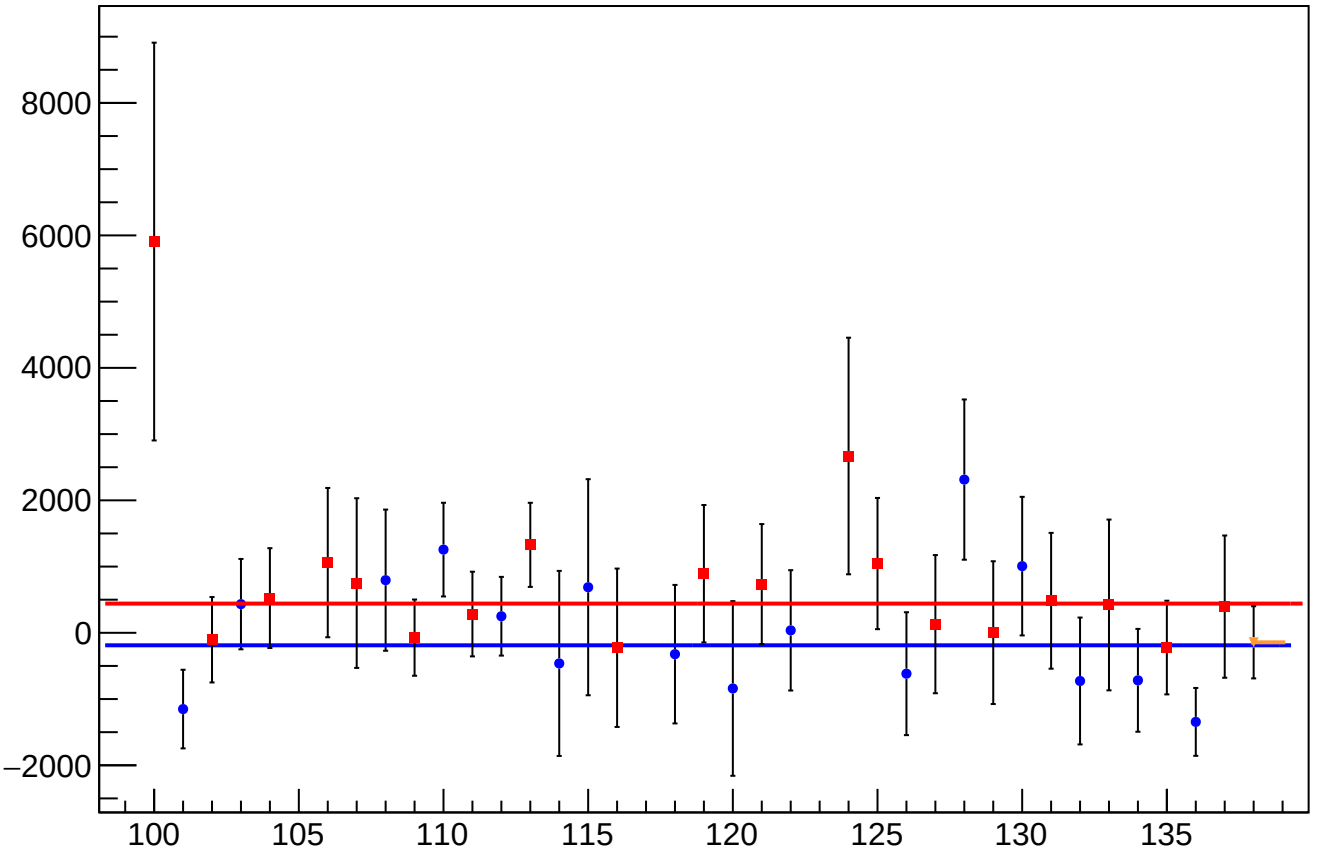
Left: 61.274+/-0.050 χ^2/NDF: 0.0/0

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 52.128+/-0.014 χ^2/NDF:562920.3/15

Out: 52.242+/-0.013 χ^2/NDF:675292.0/19

All: 52.188+/-0.010 χ^2/NDF: 1238246.2/35



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -143.605+/-544.673 χ^2/NDF:0.0/0

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

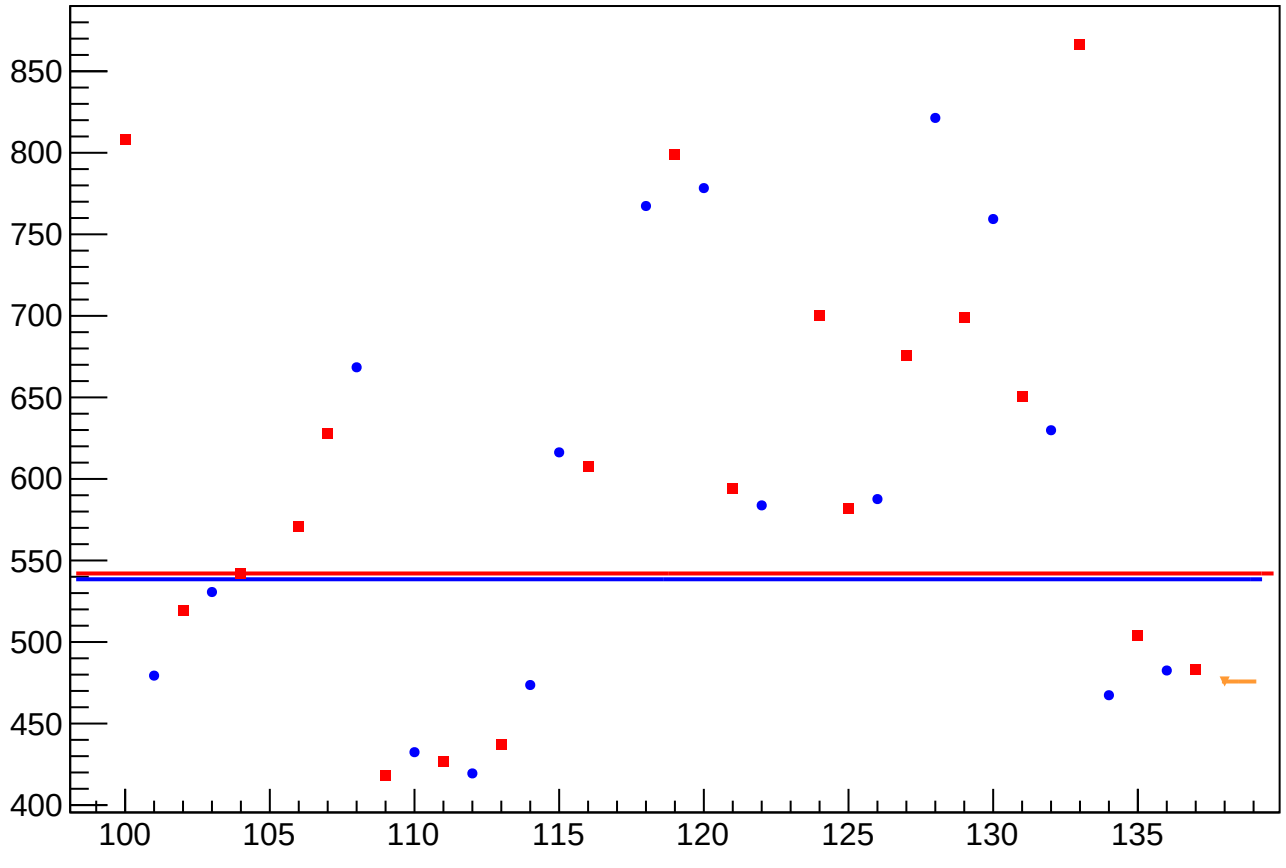
Left: -143.605+/-544.673 χ^2/NDF: 0.0/0

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: -188.541+/-205.813 χ^2/NDF:21.4/15

Out: 369.163+/-191.131 χ^2/NDF:11.9/19

All: 110.911+/-140.053 χ^2/NDF: 37.2/35



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 475.786+/-0.385 χ^2/NDF:0.0/0

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

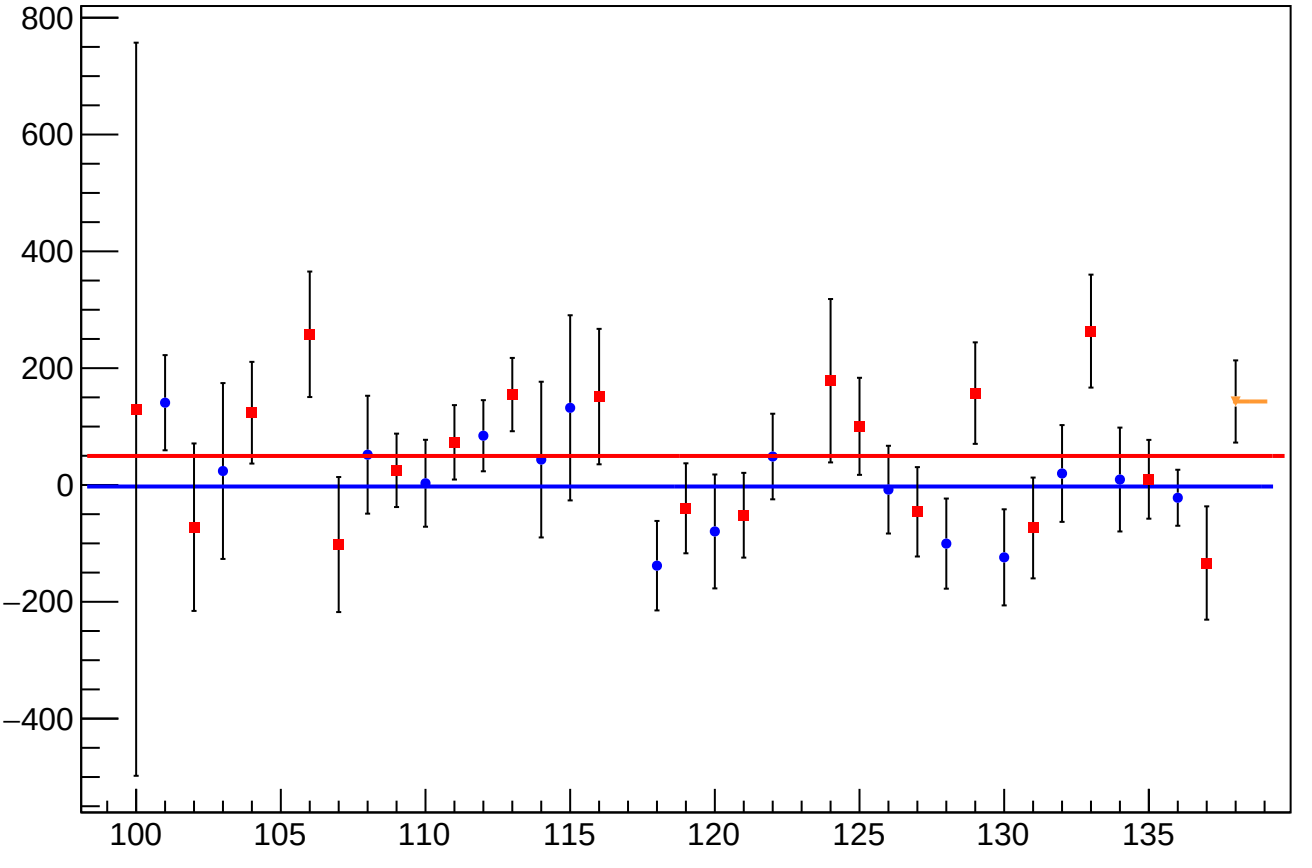
Left: 475.786+/-0.385 χ^2/NDF: 0.0/0

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 538.473+/-0.146 χ^2/NDF:613991.3/15

Out: 533.869+/-0.135 χ^2/NDF:657496.4/19

All: 536.001+/-0.099 χ^2/NDF: 1272025.1/35



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 142.962+/-70.370 χ^2/NDF:0.0/0

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

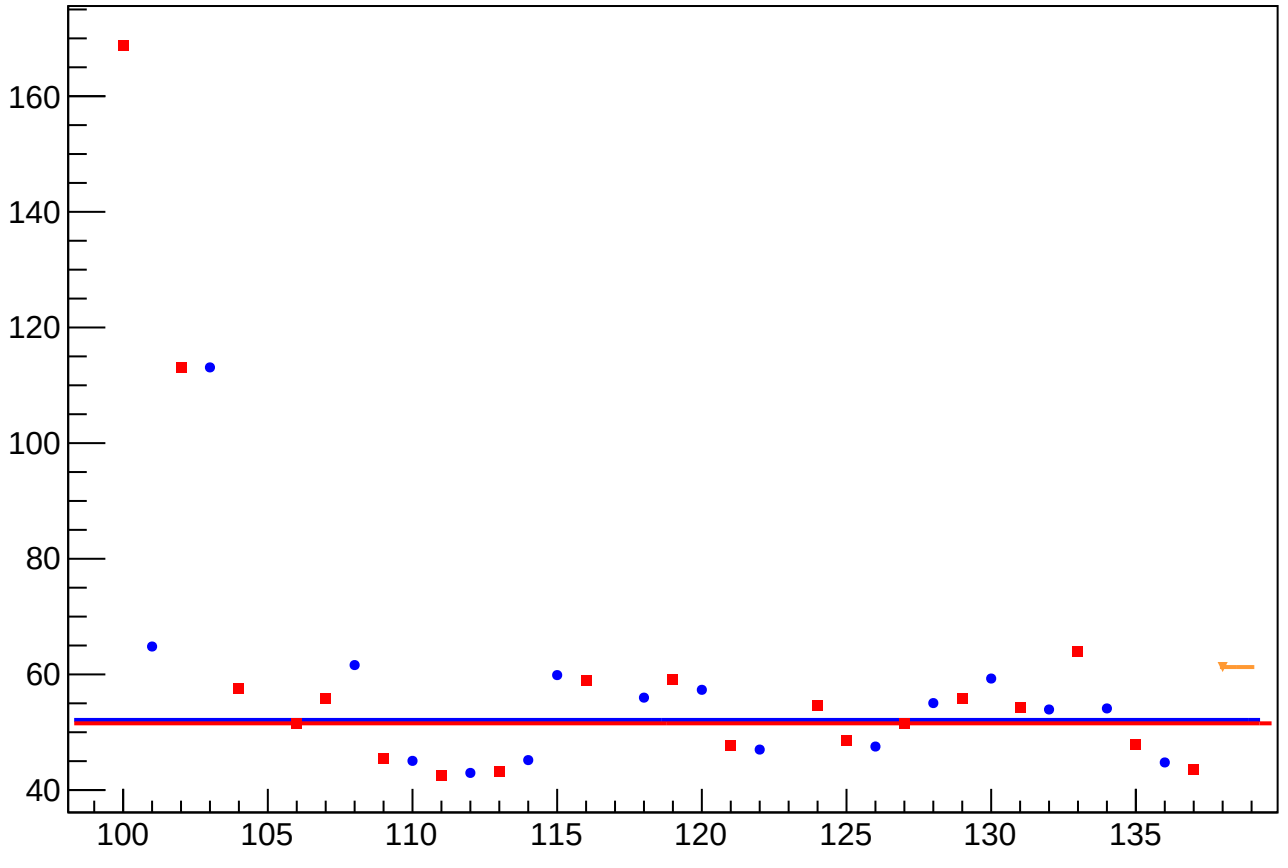
Left: 142.962+/-70.370 χ^2/NDF: 0.0/0

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: -2.618+/-19.995 χ^2/NDF:14.6/15

Out: 56.422+/-18.901 χ^2/NDF:30.9/19

All: 28.561+/-13.735 χ^2/NDF: 50.1/35



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 61.274+/-0.050 χ^2/NDF:0.0/0

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

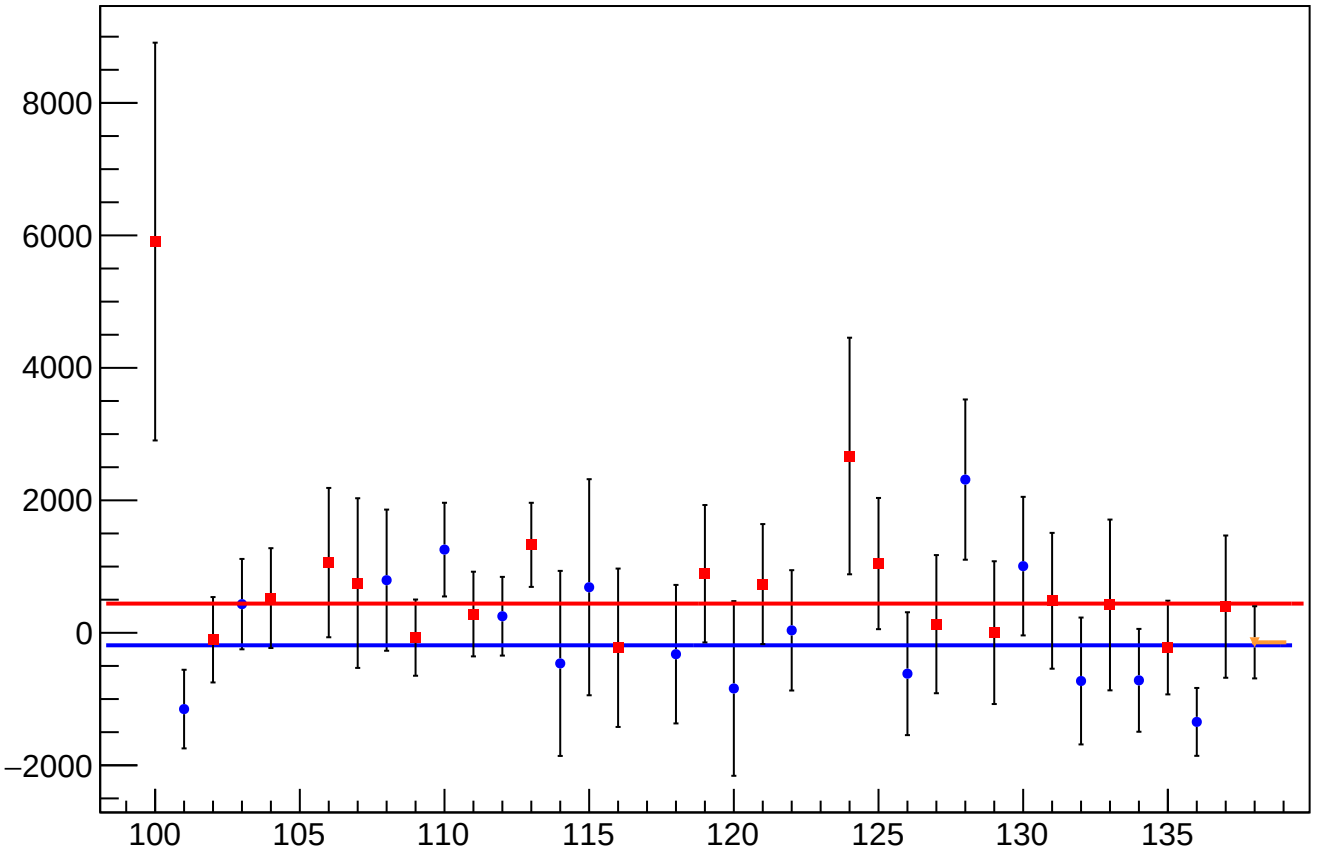
Left: 61.274+/-0.050 χ^2/NDF: 0.0/0

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 52.128+/-0.014 χ^2/NDF:562920.3/15

Out: 52.242+/-0.013 χ^2/NDF:675292.0/19

All: 52.188+/-0.010 χ^2/NDF: 1238246.2/35



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -143.605+/-544.673 χ^2/NDF:0.0/0

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

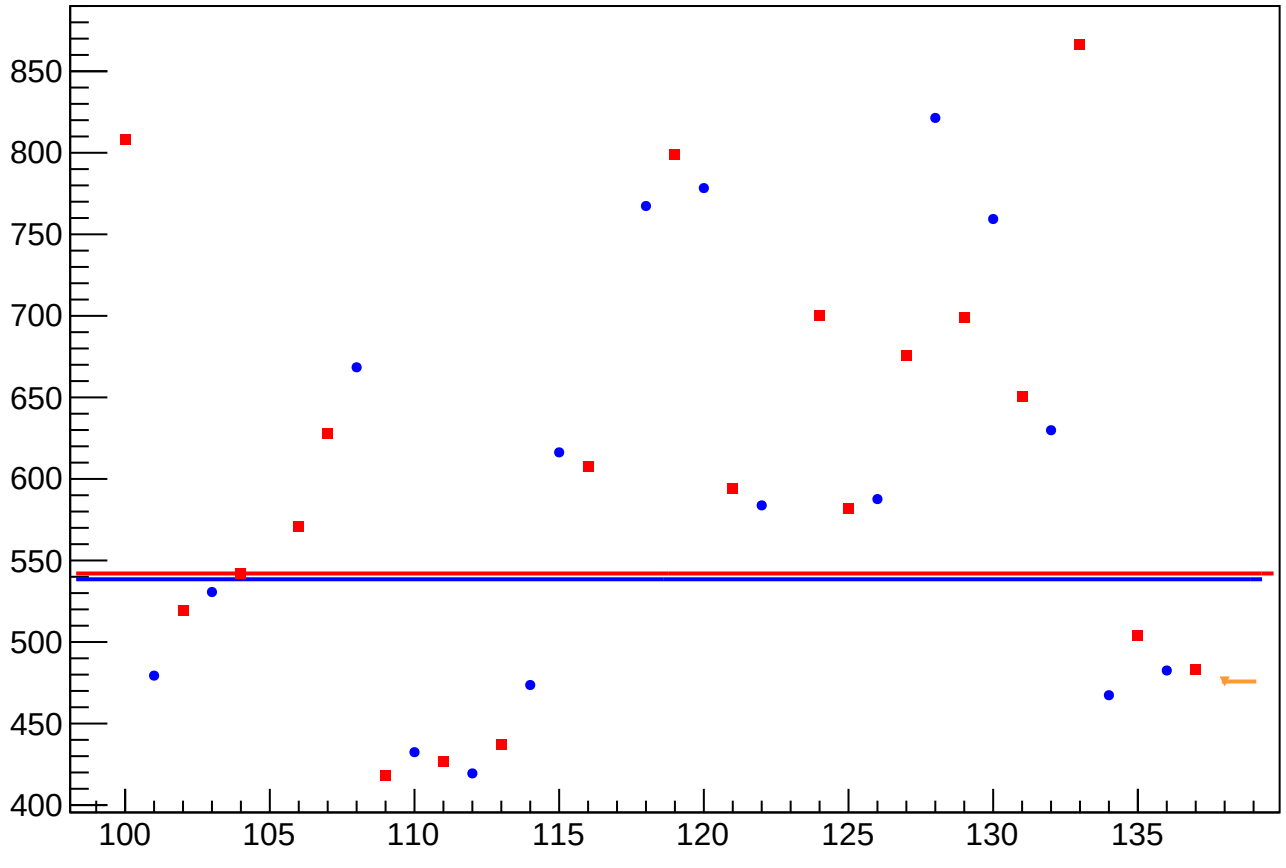
Left: -143.605+/-544.673 χ^2/NDF: 0.0/0

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: -188.541+/-205.813 χ^2/NDF:21.4/15

Out: 369.163+/-191.131 χ^2/NDF:11.9/19

All: 110.911+/-140.053 χ^2/NDF: 37.2/35



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 475.786+/-0.385 χ^2/NDF:0.0/0

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

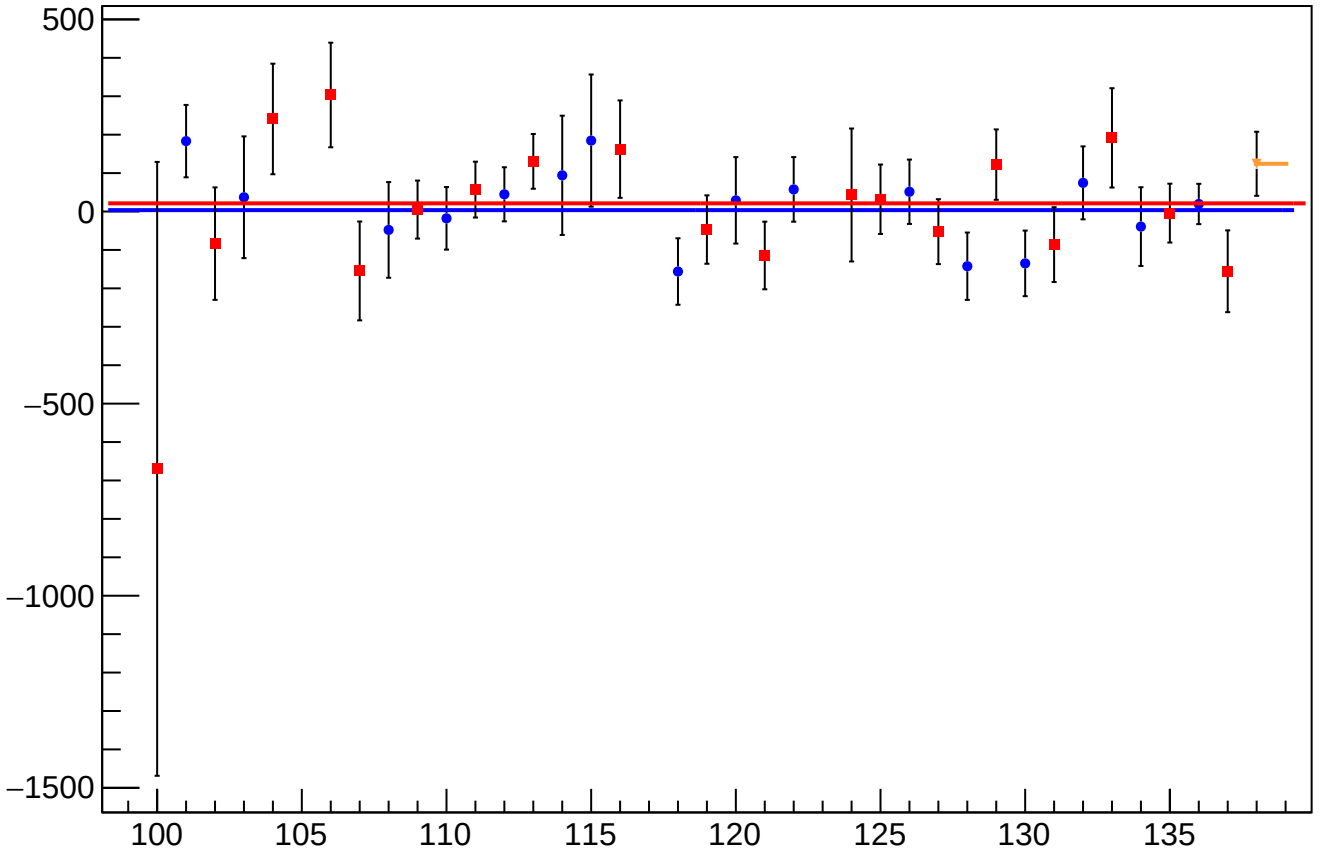
Left: 475.786+/-0.385 χ^2/NDF: 0.0/0

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 538.473+/-0.146 χ^2/NDF:613991.3/15

Out: 533.869+/-0.135 χ^2/NDF:657496.4/19

All: 536.001+/-0.099 χ^2/NDF: 1272025.1/35



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 124.264+/-83.381 χ^2/NDF:0.0/0

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

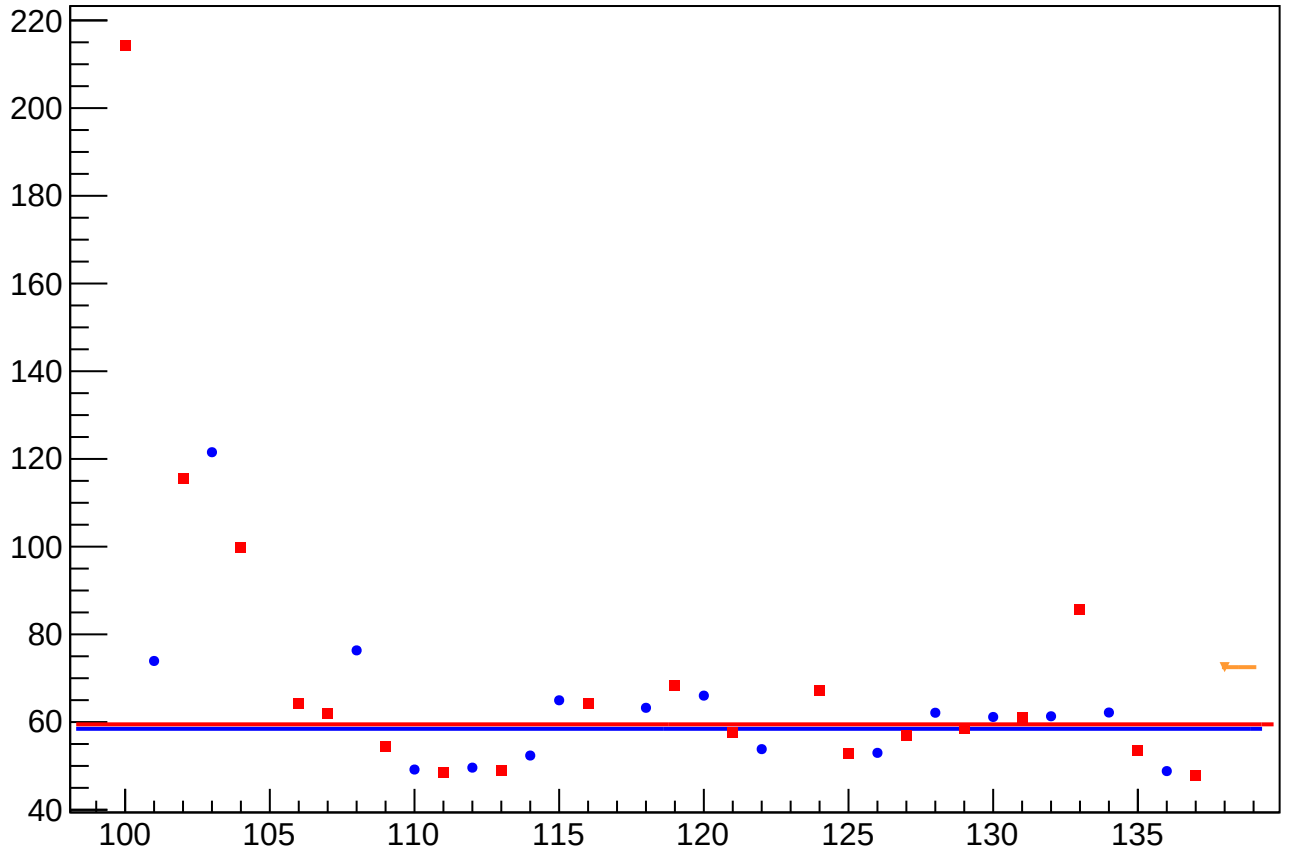
Left: 124.264+/-83.381 χ^2/NDF: 0.0/0

Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 3.597+/-22.480 χ^2/NDF:16.1/15

Out: 28.401+/-21.964 χ^2/NDF:25.8/19

All: 16.287+/-15.710 χ^2/NDF: 42.6/35



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 72.521+/-0.059 χ^2/NDF:0.0/0

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

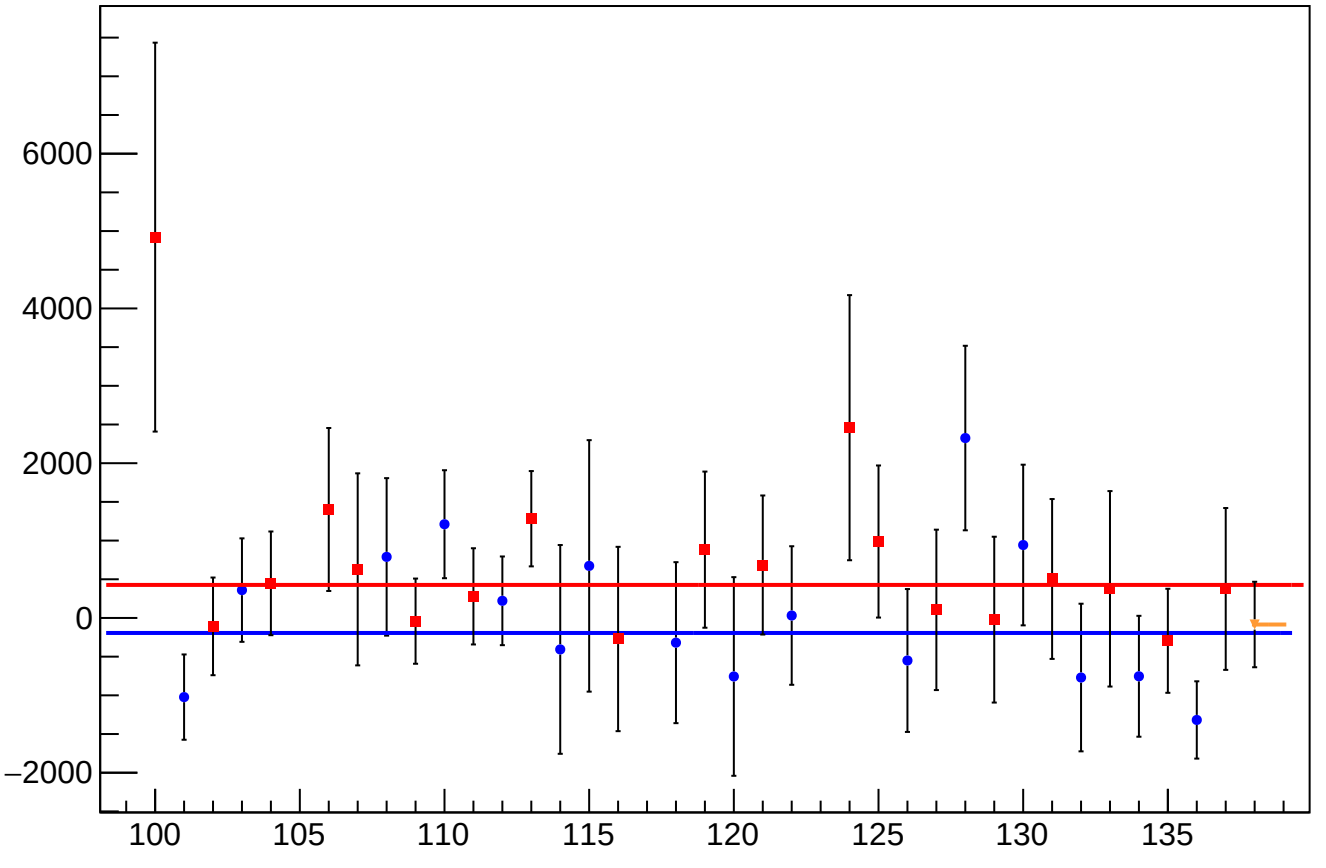
Left: 72.521+/-0.059 χ^2/NDF: 0.0/0

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.465+/-0.016 χ^2/NDF:582984.2/15

Out: 60.389+/-0.016 χ^2/NDF:830382.2/19

All: 59.449+/-0.011 χ^2/NDF: 1420856.1/35



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -84.732+/-552.326 χ^2/NDF:0.0/0

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

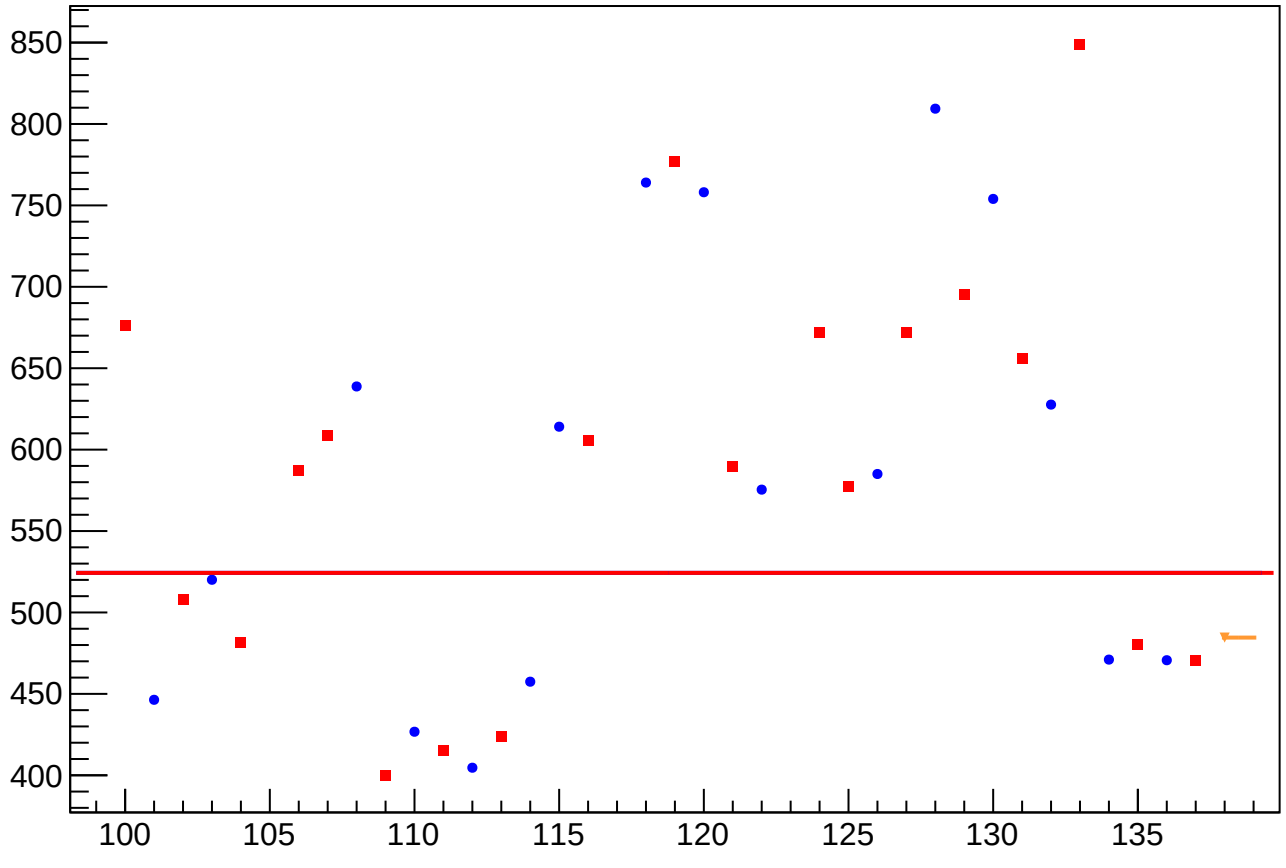
Left: -84.732+/-552.326 χ^2/NDF: 0.0/0

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: -193.899+/-200.604 χ^2/NDF:20.8/15

Out: 369.223+/-185.555 χ^2/NDF:12.1/19

All: 109.574+/-136.217 χ^2/NDF: 37.1/35



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 484.569+/-0.391 χ^2/NDF:0.0/0

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

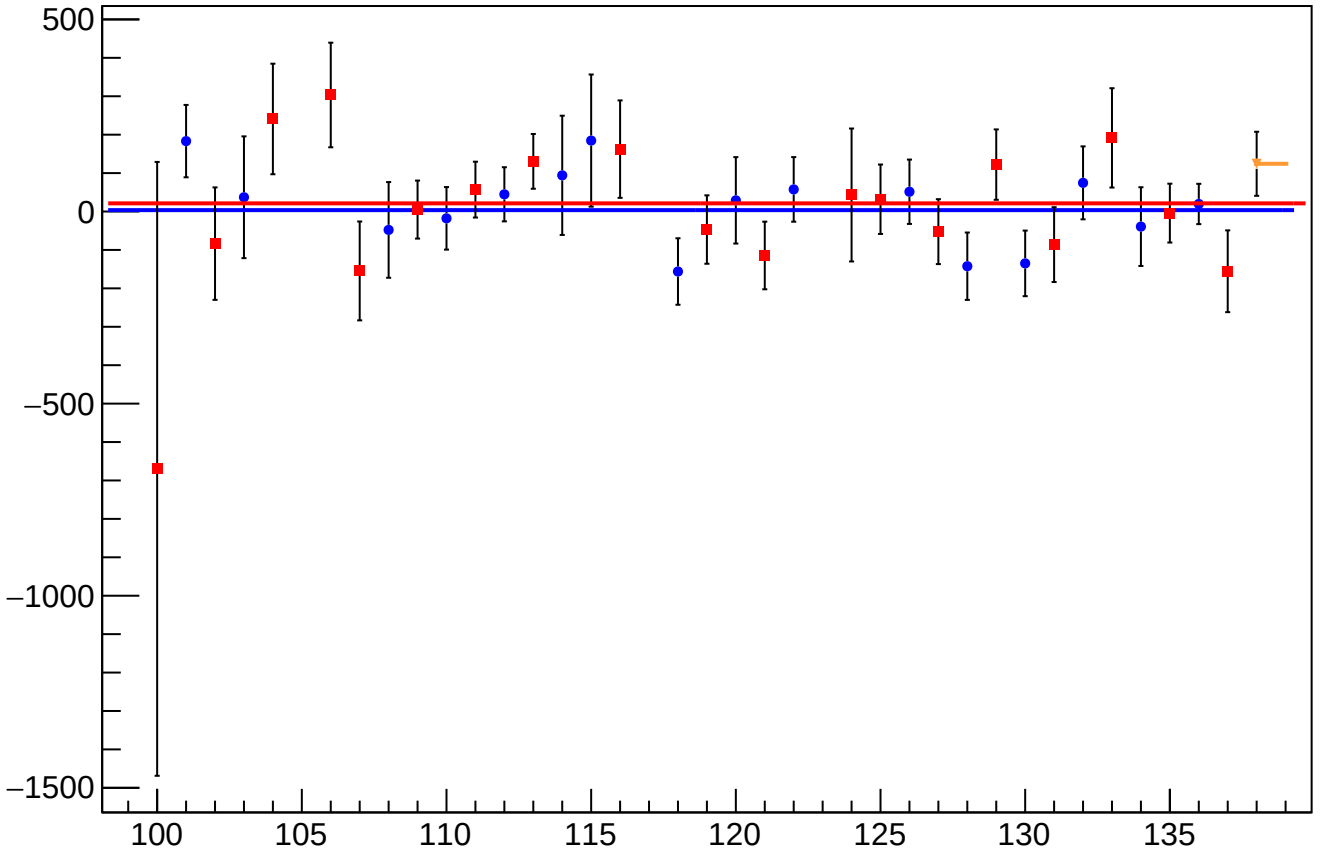
Left: 484.569+/-0.391 χ^2/NDF: 0.0/0

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 524.326+/-0.142 χ^2/NDF:658488.5/15

Out: 519.822+/-0.131 χ^2/NDF:695245.1/19

All: 521.899+/-0.096 χ^2/NDF: 1354277.1/35



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 124.259+/-83.381 χ^2/NDF:0.0/0

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

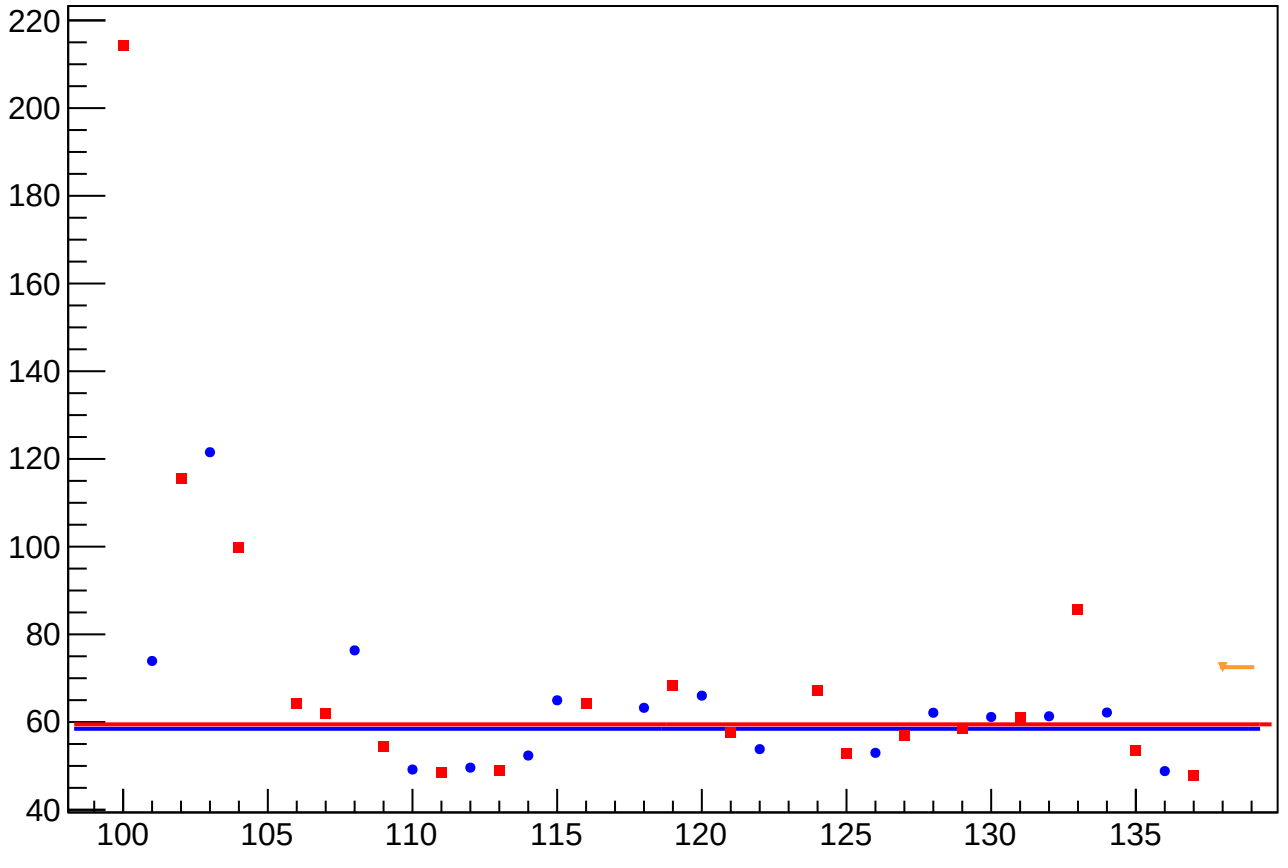
Left: 124.259+/-83.381 χ^2/NDF: 0.0/0

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 3.597+/-22.480 χ^2/NDF:16.1/15

Out: 28.399+/-21.964 χ^2/NDF:25.8/19

All: 16.286+/-15.710 χ^2/NDF: 42.6/35



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 72.521+/-0.059 χ^2/NDF:0.0/0

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

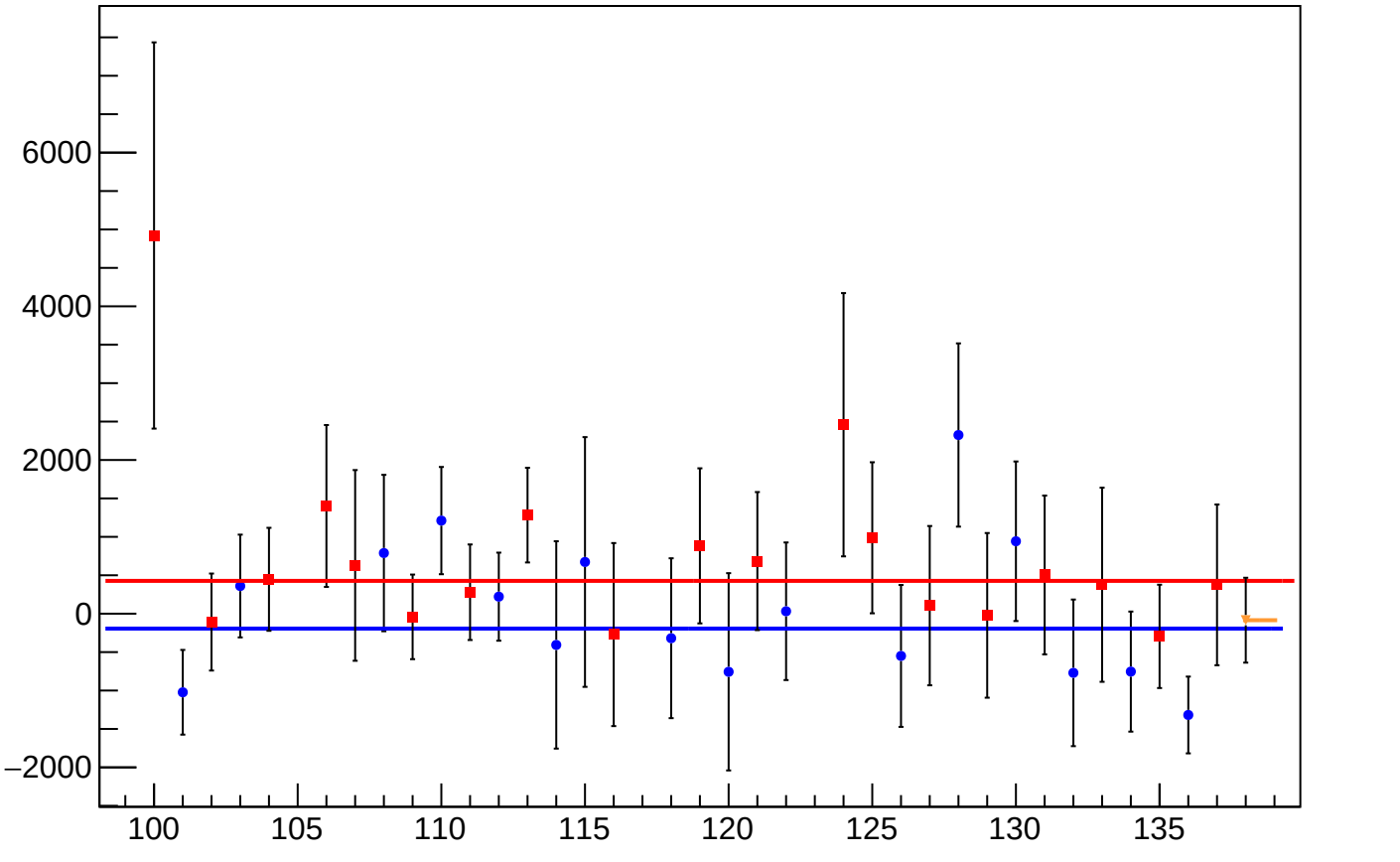
Left: 72.521+/-0.059 χ^2/NDF: 0.0/0

Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.466+/-0.016 χ^2/NDF:582980.6/15

Out: 60.389+/-0.016 χ^2/NDF:830382.2/19

All: 59.450+/-0.011 χ^2/NDF: 1420852.7/35



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -84.736+/-552.327 χ^2/NDF:0.0/0

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

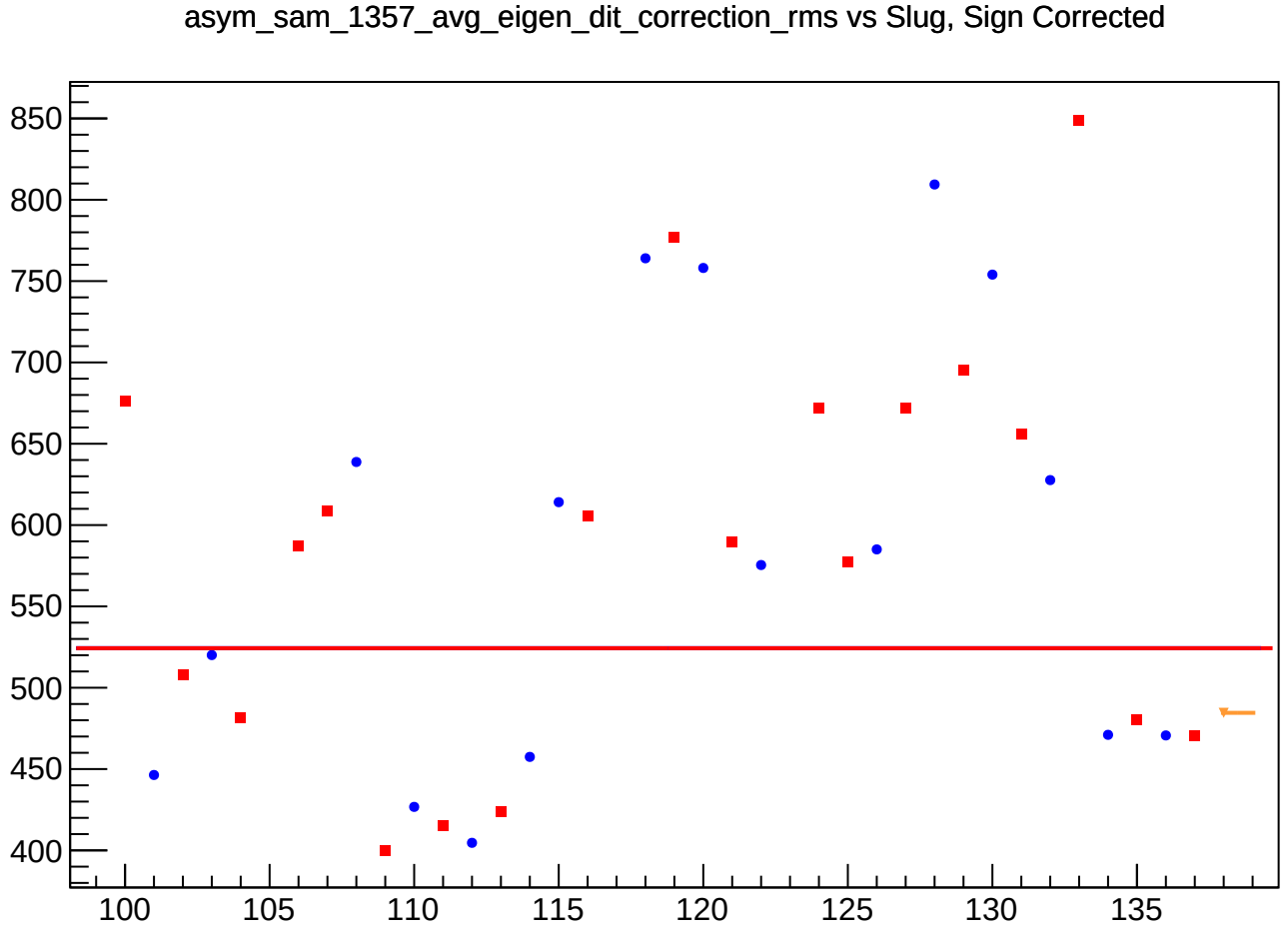
Left: -84.736+/-552.327 χ^2/NDF: 0.0/0

Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: -193.899+/-200.603 χ^2/NDF:20.8/15

Out: 369.223+/-185.555 χ^2/NDF:12.1/19

All: 109.574+/-136.217 χ^2/NDF: 37.1/35



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 484.570+/-0.391 χ^2/NDF:0.0/0

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 484.570+/-0.391 χ^2/NDF: 0.0/0

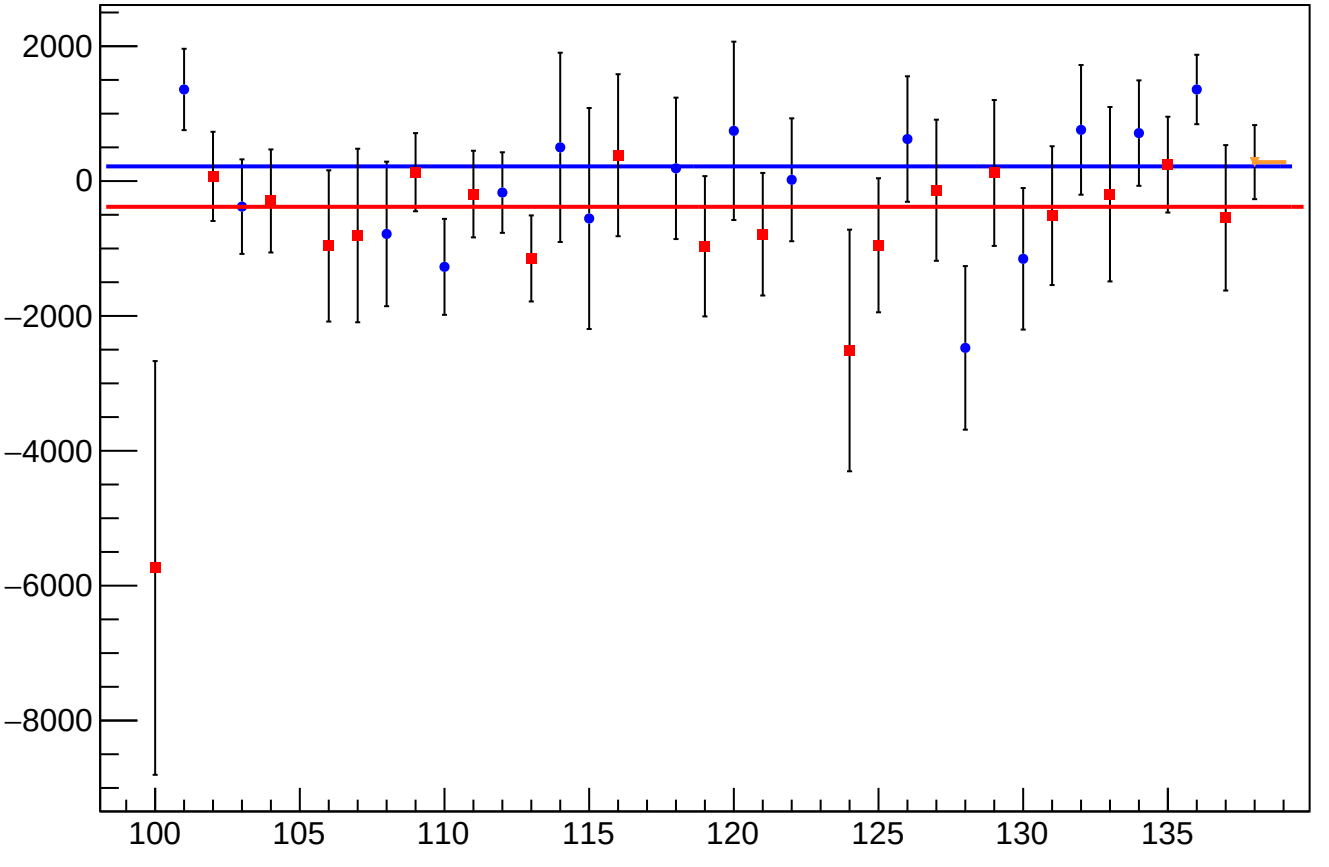
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 524.325+/-0.142 χ^2/NDF:658493.8/15

Out: 519.821+/-0.131 χ^2/NDF:695246.6/19

All: 521.898+/-0.096 χ^2/NDF: 1354283.9/35

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 281.143+/-549.260 χ^2/NDF:0.0/0

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 281.143+/-549.260 χ^2/NDF: 0.0/0

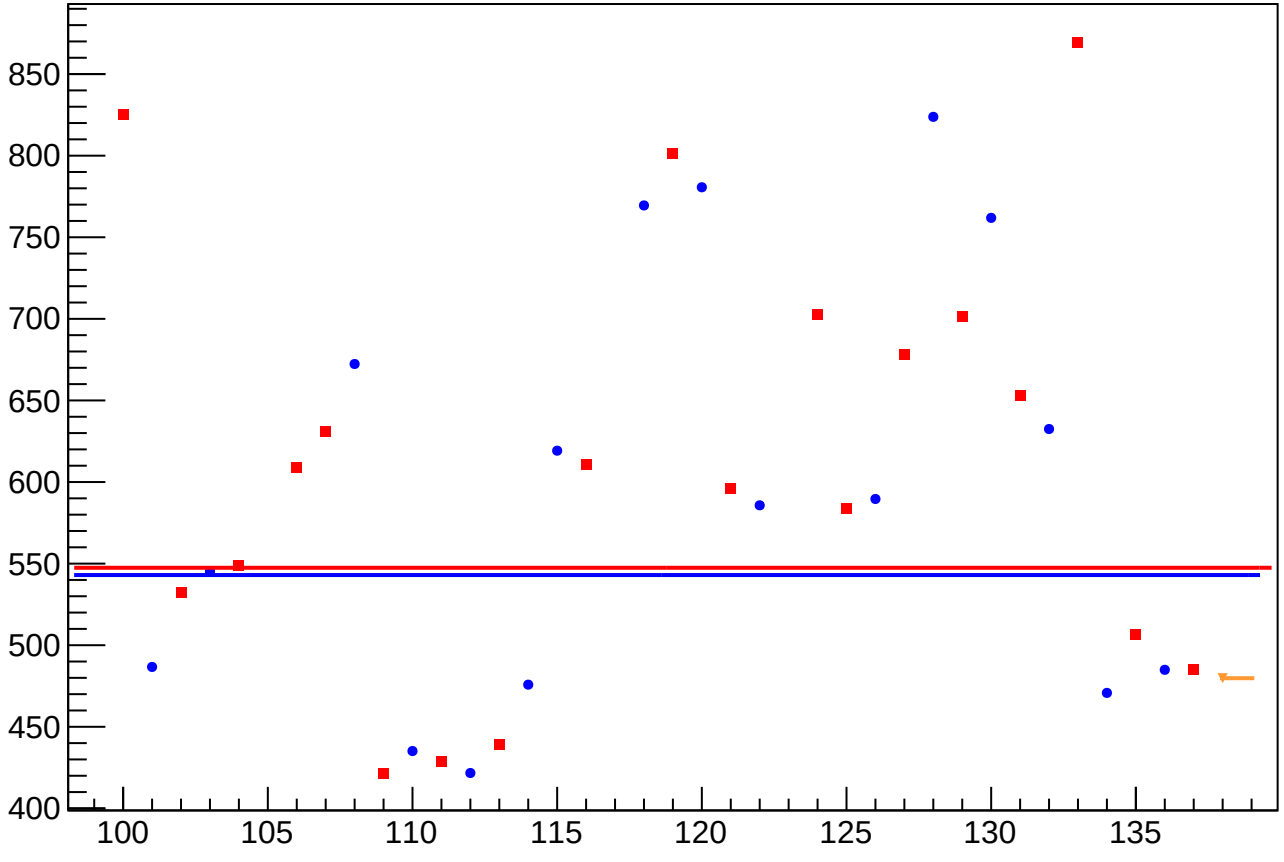
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 217.756+/-207.492 χ^2/NDF:22.9/15

Out: -300.368+/-192.540 χ^2/NDF:11.3/19

All: -60.645+/-141.136 χ^2/NDF: 37.5/35

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 479.783+/-0.388 χ^2/NDF:0.0/0

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

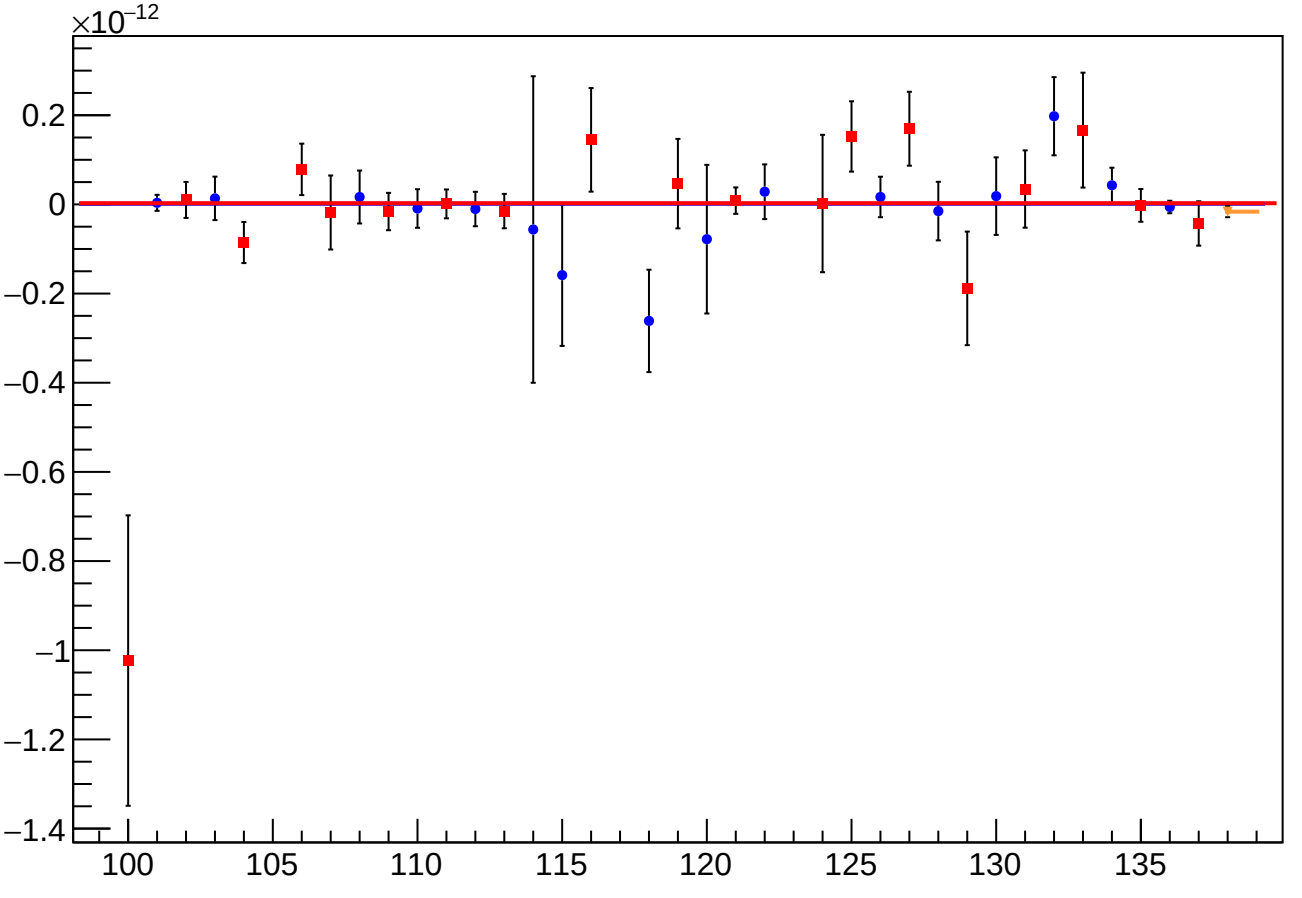
Left: 479.783+/-0.388 χ^2/NDF: 0.0/0

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 542.997+/-0.147 χ^2/NDF:605250.7/15

Out: 539.148+/-0.136 χ^2/NDF:656920.6/19

All: 540.929+/-0.100 χ^2/NDF: 1262541.1/35



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

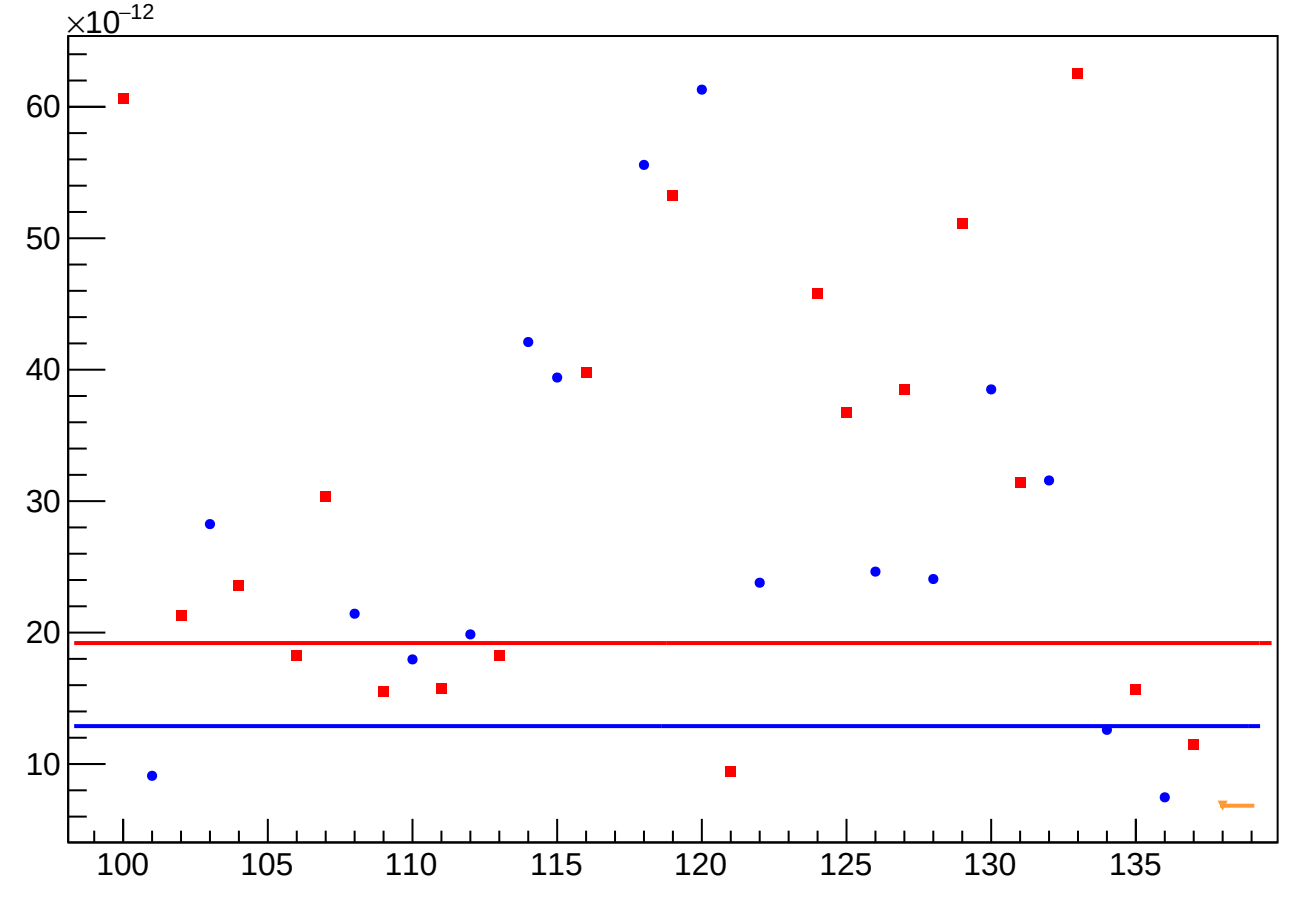
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

In: 0.000+/-0.000 χ^2/NDF:13.6/15

Out: -0.000+/-0.000 χ^2/NDF:31.2/19

All: -0.000+/-0.000 χ^2/NDF: 45.3/35



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

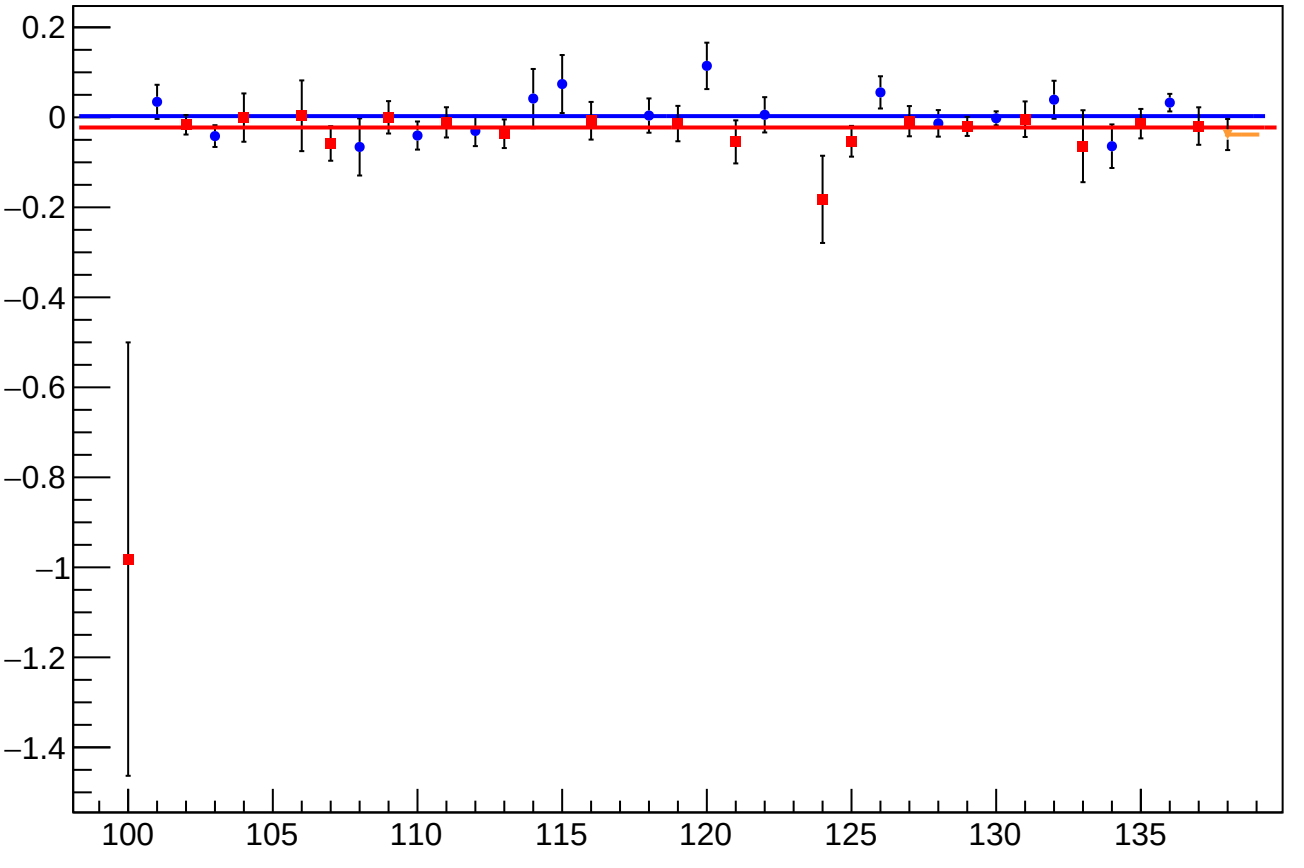
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3472471.7/34

In: 0.000+/-0.000 χ^2/NDF:1756750.5/15

Out: 0.000+/-0.000 χ^2/NDF:2384278.5/19

All: 0.000+/-0.000 χ^2/NDF: 4141959.7/35



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.038+/-0.035 χ^2/NDF:0.0/0

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

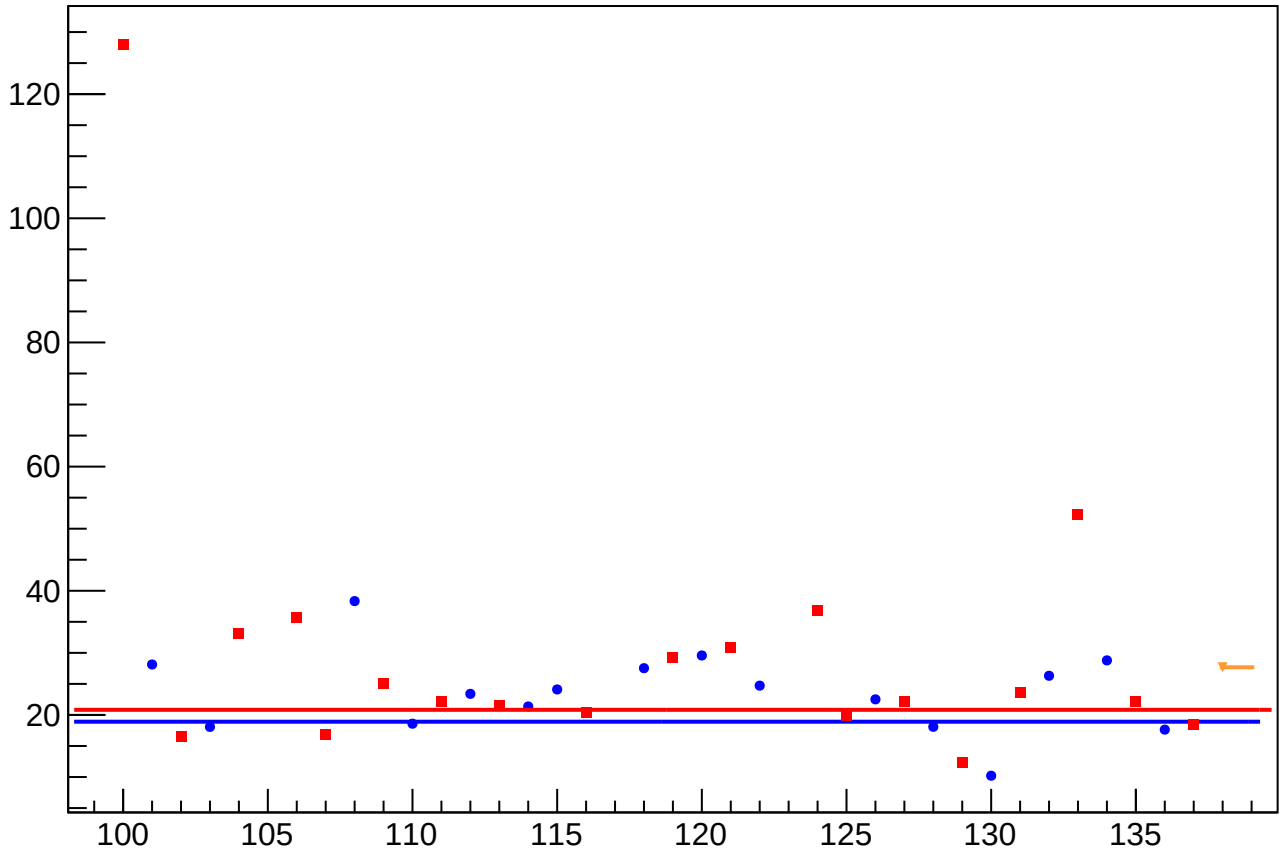
Left: -0.038+/-0.035 χ^2/NDF: 0.0/0

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.003+/-0.008 χ^2/NDF:22.0/15

Out: -0.023+/-0.008 χ^2/NDF:11.0/19

All: -0.010+/-0.006 χ^2/NDF: 38.3/35



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 27.674+/-0.024 χ^2/NDF:0.0/0

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 27.674+/-0.024 χ^2/NDF: 0.0/0

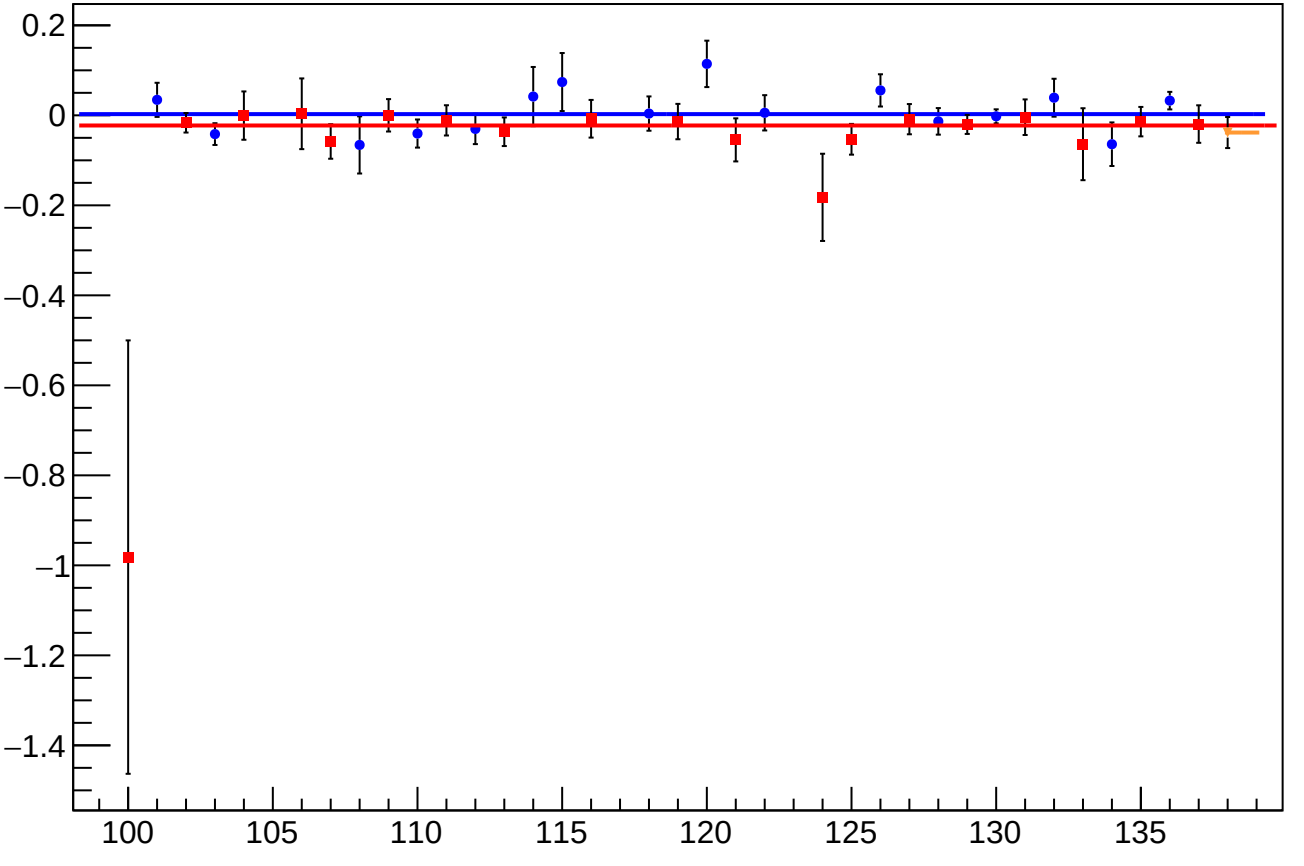
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.911+/-0.006 χ^2/NDF:1390349.2/15

Out: 21.214+/-0.006 χ^2/NDF:1365849.6/19

All: 20.005+/-0.004 χ^2/NDF: 2838868.4/35

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.038+/-0.035 χ^2/NDF:0.0/0

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.038+/-0.035 χ^2/NDF: 0.0/0

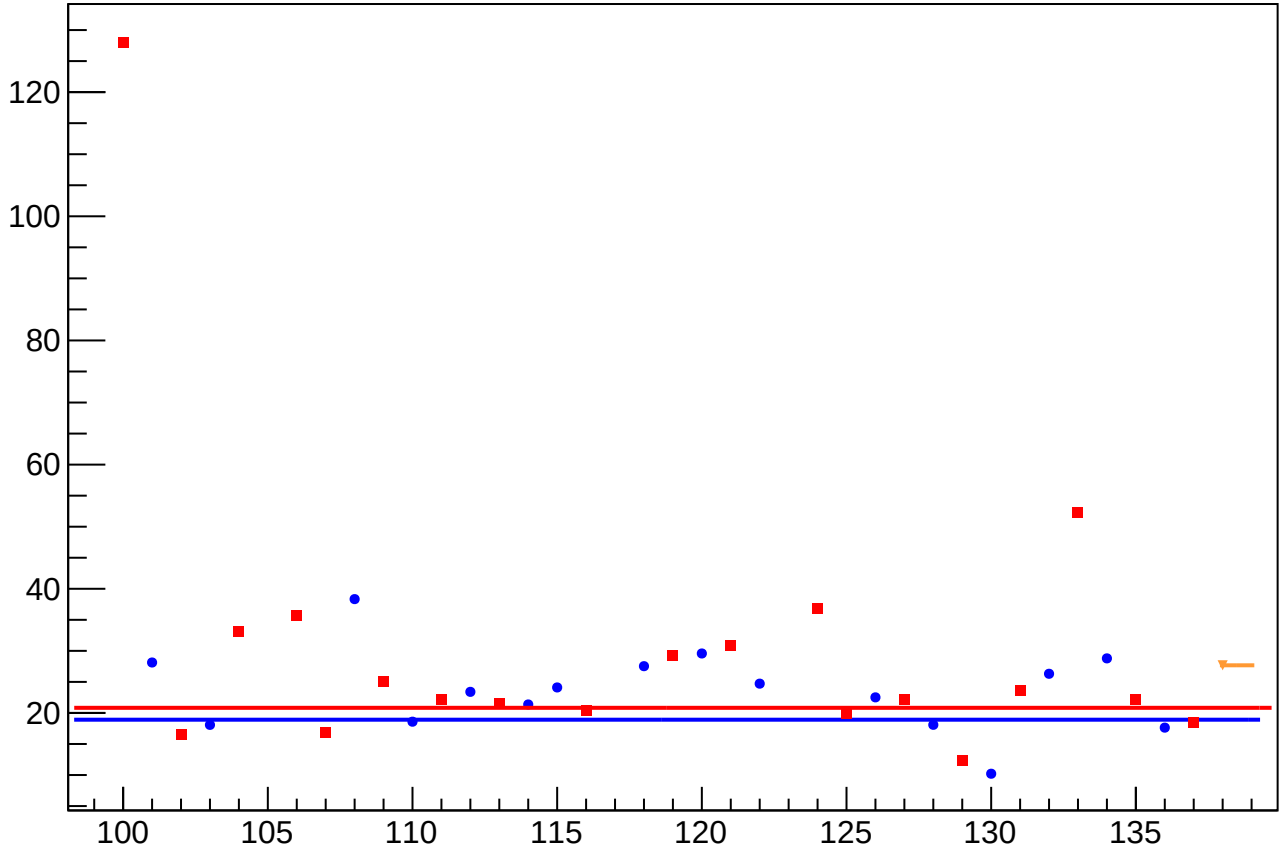
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.003+/-0.008 χ^2/NDF:22.0/15

Out: -0.023+/-0.008 χ^2/NDF:11.0/19

All: -0.010+/-0.006 χ^2/NDF: 38.3/35

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: 27.674+/-0.024 χ^2/NDF:0.0/0

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

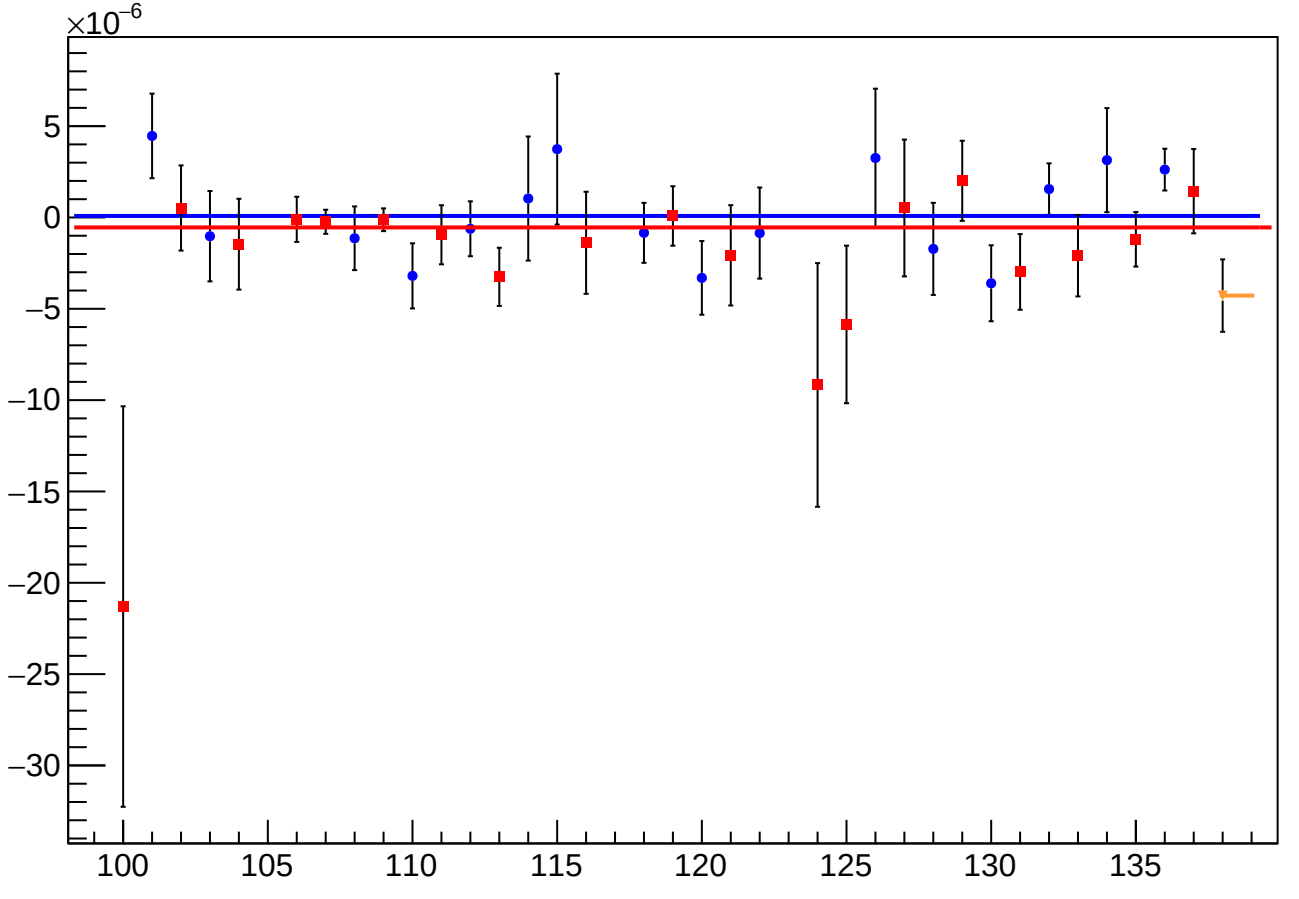
Left: 27.674+/-0.024 χ^2/NDF: 0.0/0

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.911+/-0.006 χ^2/NDF:1390349.2/15

Out: 21.214+/-0.006 χ^2/NDF:1365849.6/19

All: 20.005+/-0.004 χ^2/NDF: 2838868.4/35



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

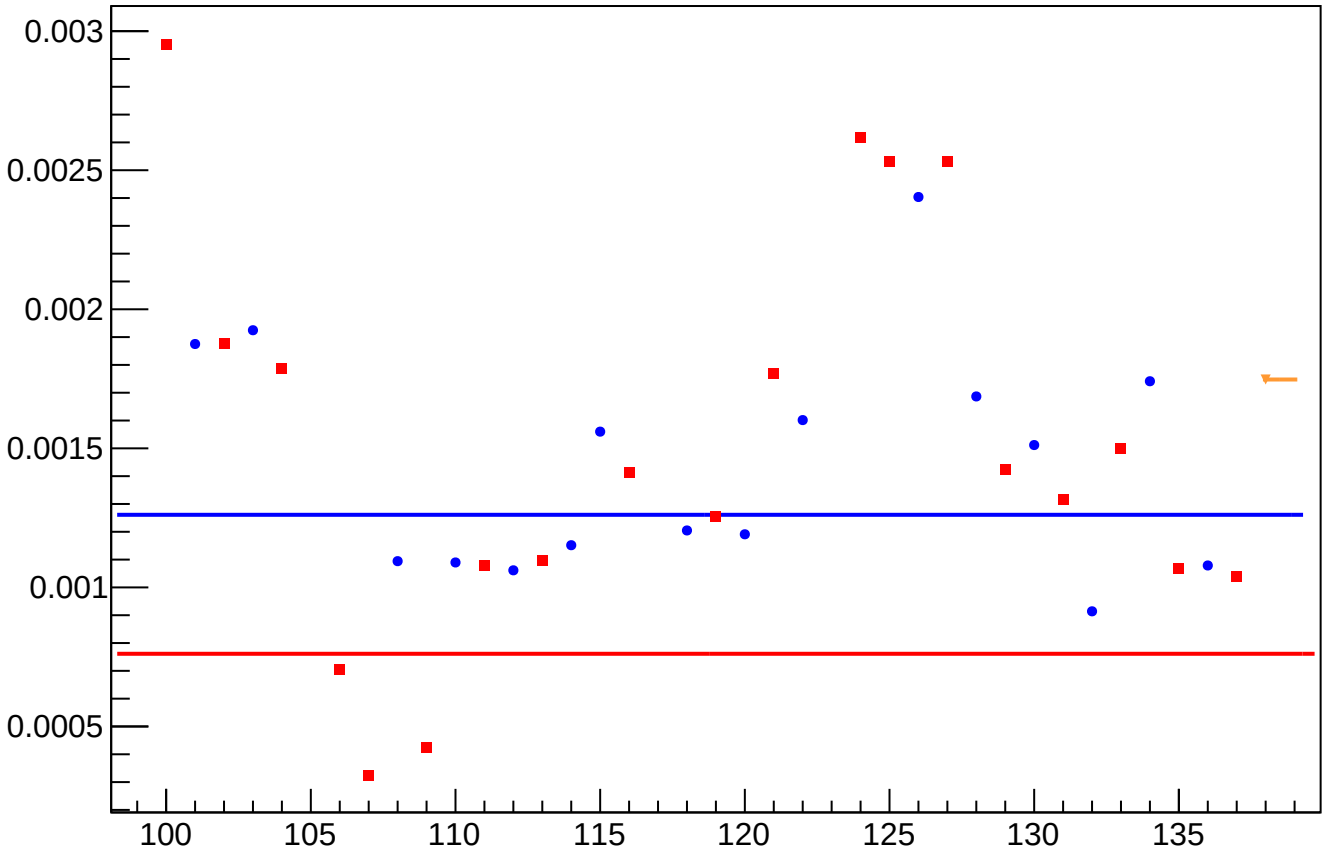
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:23.5/15

Out: -0.000+/-0.000 χ^2/NDF:19.1/19

All: -0.000+/-0.000 χ^2/NDF: 44.2/35



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.002+/-0.000 χ^2/NDF: 0.0/0

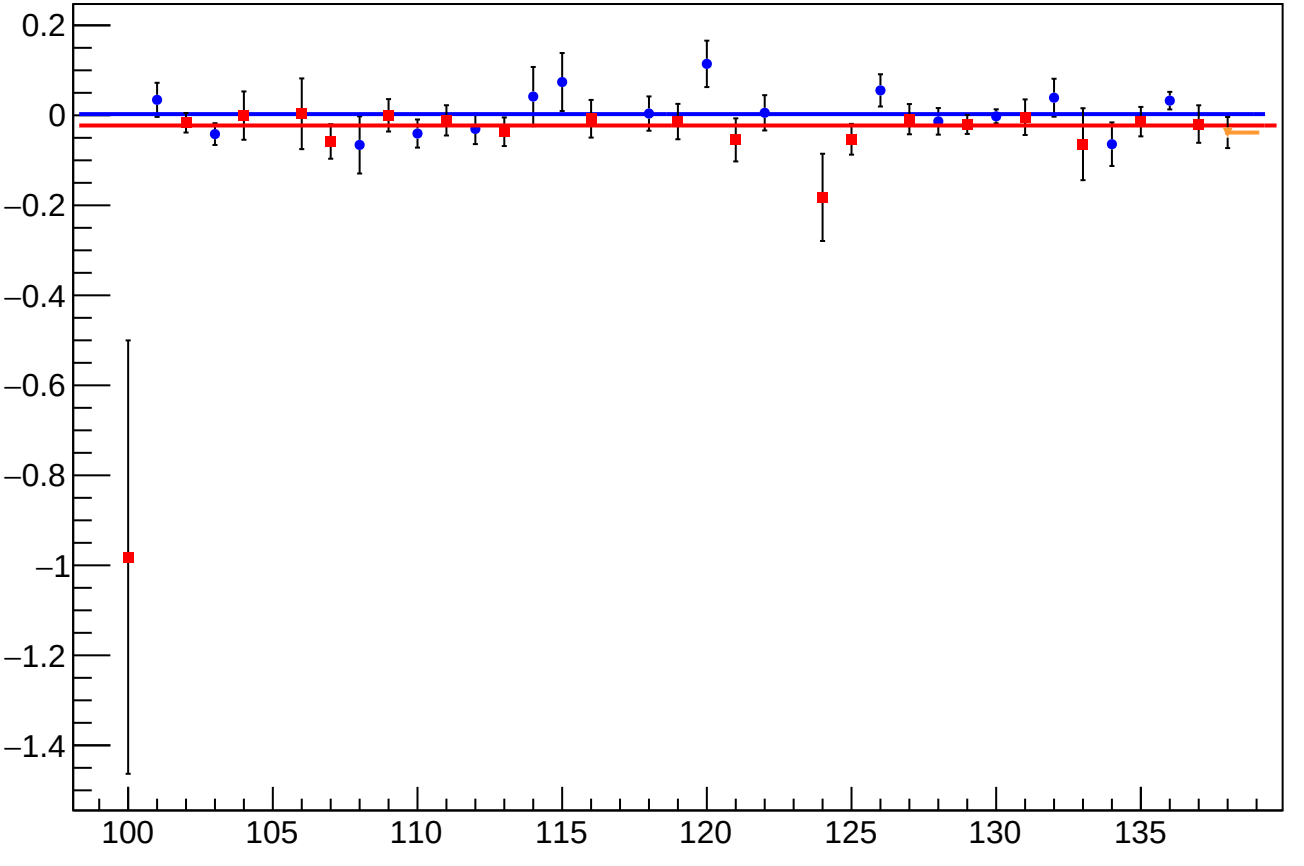
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:907342.5/15

Out: 0.001+/-0.000 χ^2/NDF:5153295.4/19

All: 0.001+/-0.000 χ^2/NDF: 7336566.6/35

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.038+/-0.035 χ^2/NDF:0.0/0

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.038+/-0.035 χ^2/NDF: 0.0/0

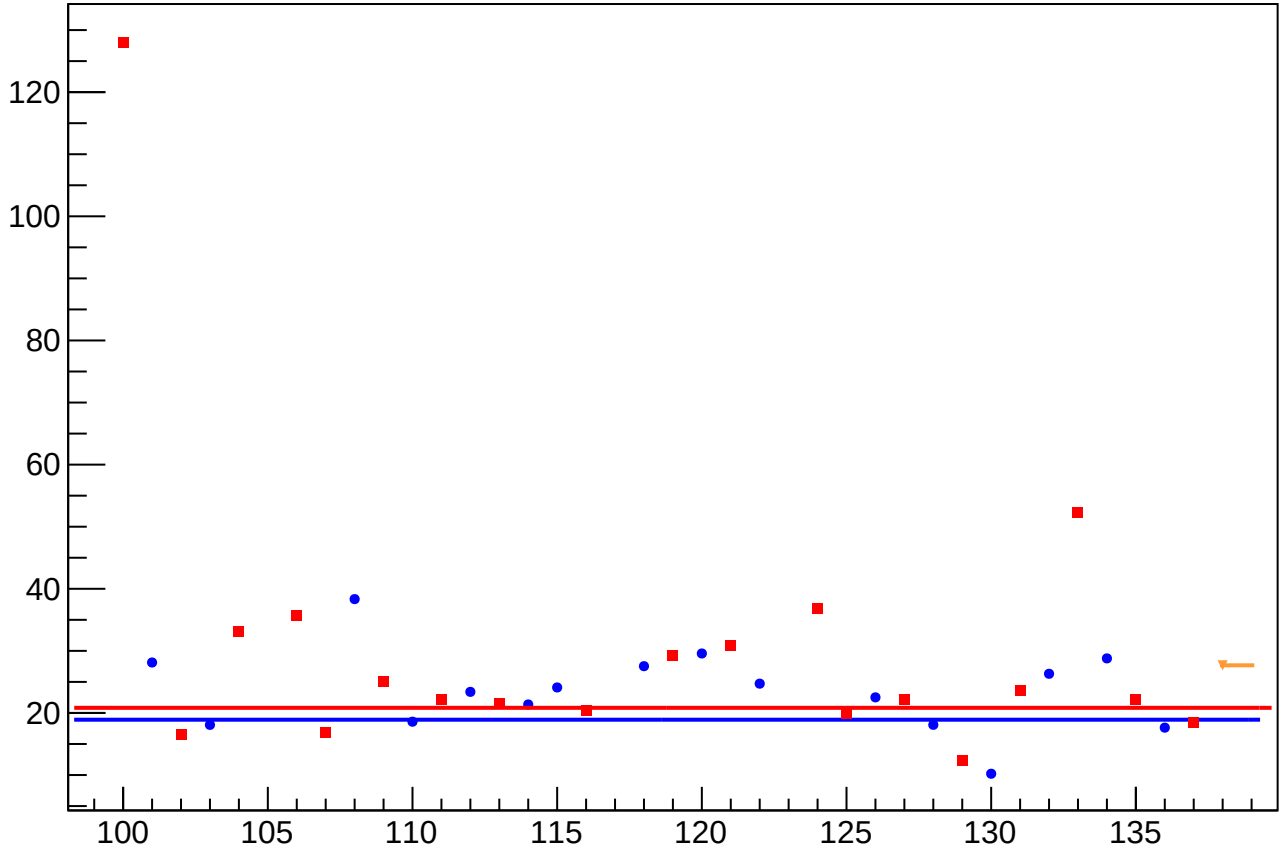
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.003+/-0.008 χ^2/NDF:22.0/15

Out: -0.023+/-0.008 χ^2/NDF:11.0/19

All: -0.010+/-0.006 χ^2/NDF: 38.3/35

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 27.675+/-0.024 χ^2/NDF:0.0/0

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 27.675+/-0.024 χ^2/NDF: 0.0/0

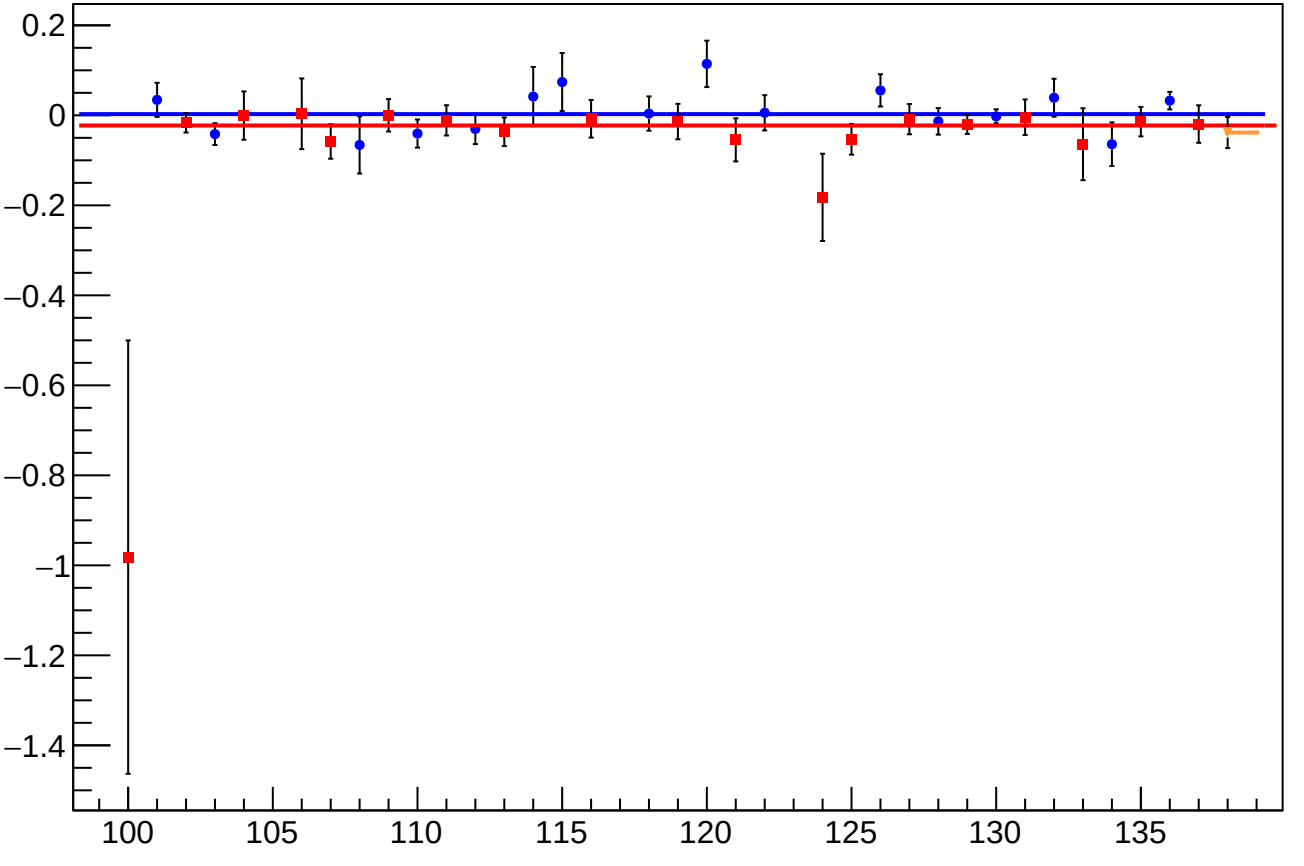
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.912+/-0.006 χ^2/NDF:1390233.4/15

Out: 21.214+/-0.006 χ^2/NDF:1365849.0/19

All: 20.005+/-0.004 χ^2/NDF: 2838736.8/35

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.038+/-0.035 χ^2/NDF:0.0/0

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.038+/-0.035 χ^2/NDF: 0.0/0

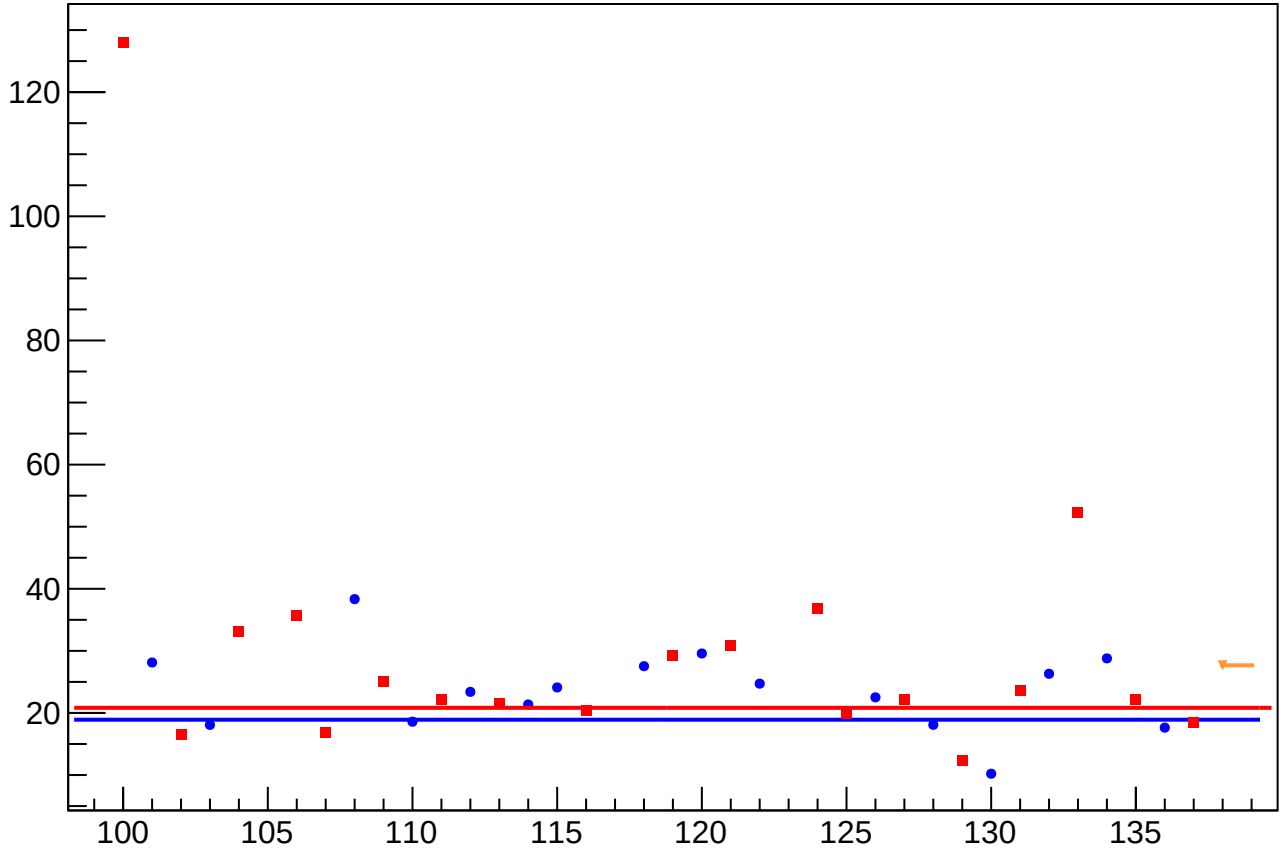
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.003+/-0.008 χ^2/NDF:22.0/15

Out: -0.023+/-0.008 χ^2/NDF:11.0/19

All: -0.010+/-0.006 χ^2/NDF: 38.3/35

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: 27.675+/-0.024 χ^2/NDF:0.0/0

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

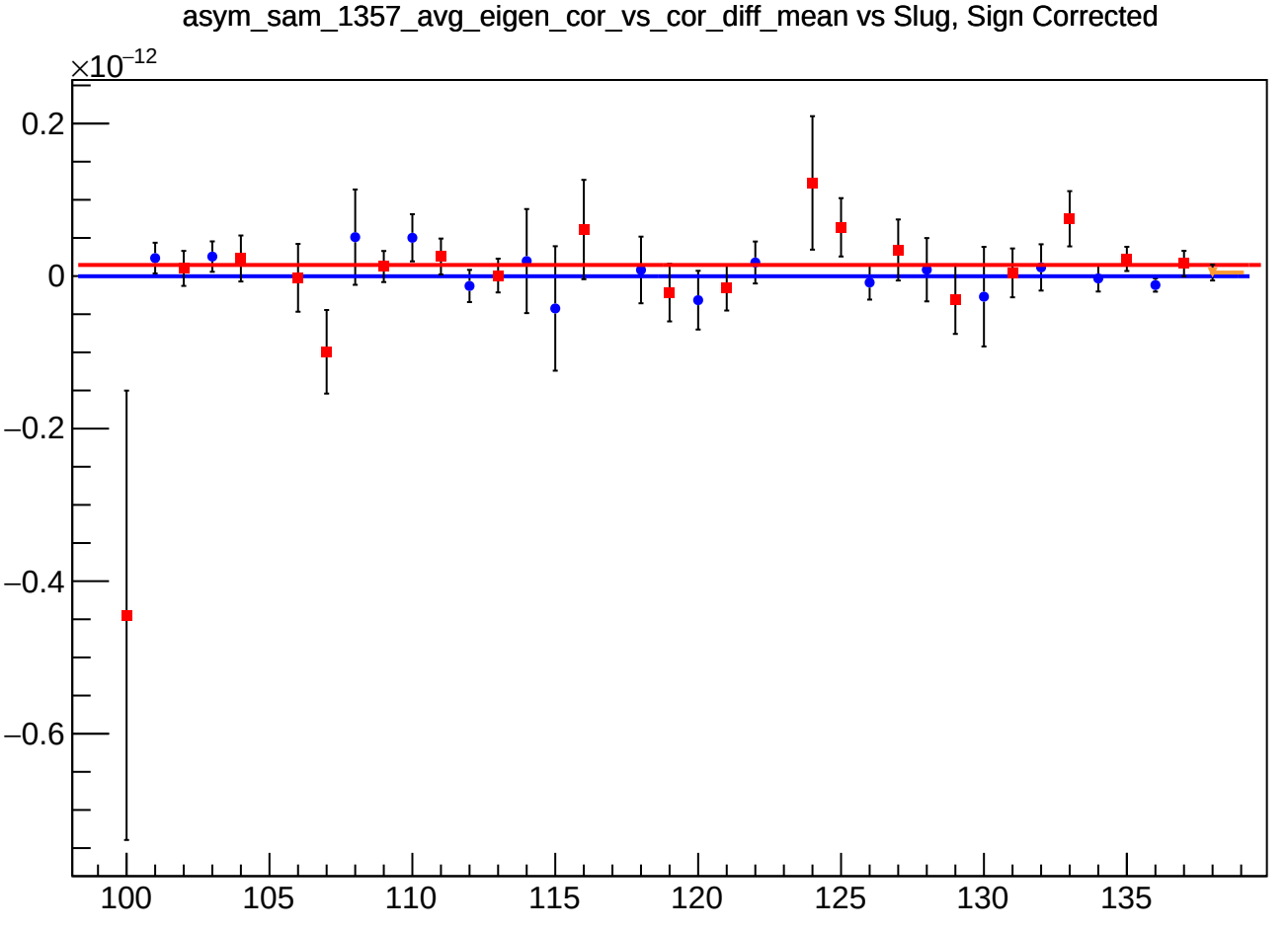
Left: 27.675+/-0.024 χ^2/NDF: 0.0/0

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.912+/-0.006 χ^2/NDF:1390233.4/15

Out: 21.214+/-0.006 χ^2/NDF:1365849.0/19

All: 20.005+/-0.004 χ^2/NDF: 2838736.8/35



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

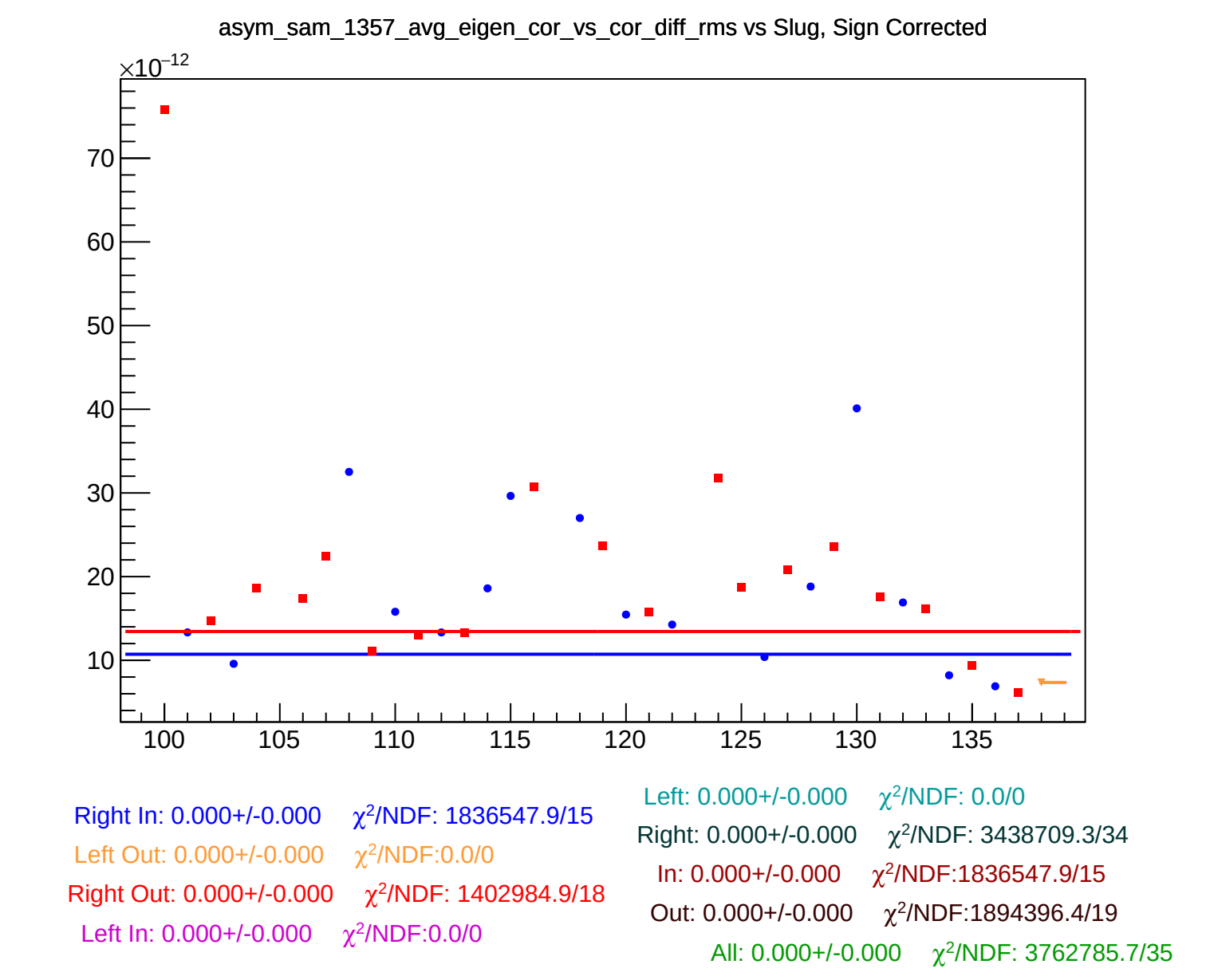
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

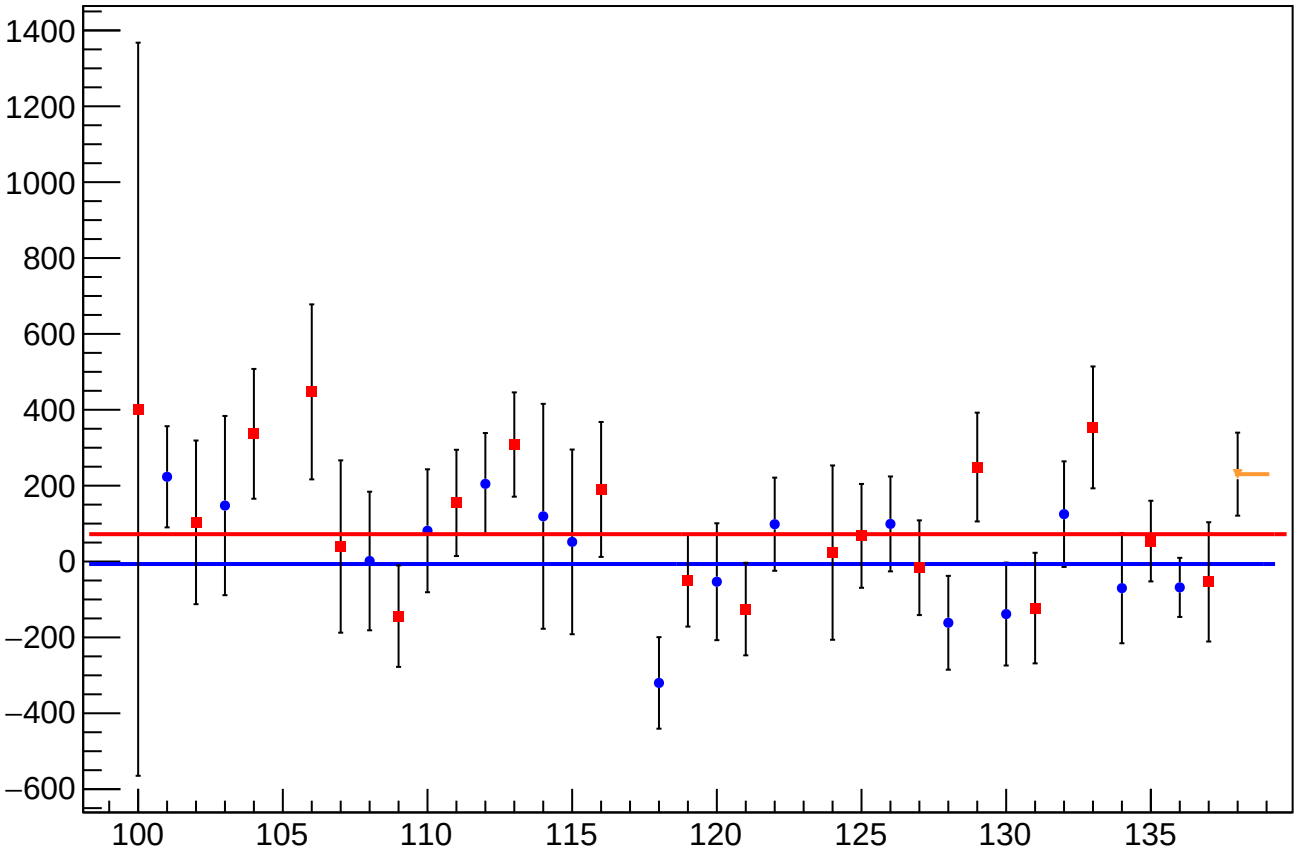
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:10.5/15

Out: 0.000+/-0.000 χ^2/NDF:18.3/19

All: 0.000+/-0.000 χ^2/NDF: 31.1/35


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.000+/-0.000 χ²/NDF: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:1836547.9/15
Out: 0.000+/-0.000 χ²/NDF:1894396.4/19
All: 0.000+/-0.000 χ²/NDF: 3762785.7/35



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 230.310+/-109.416 χ^2/NDF:0.0/0

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

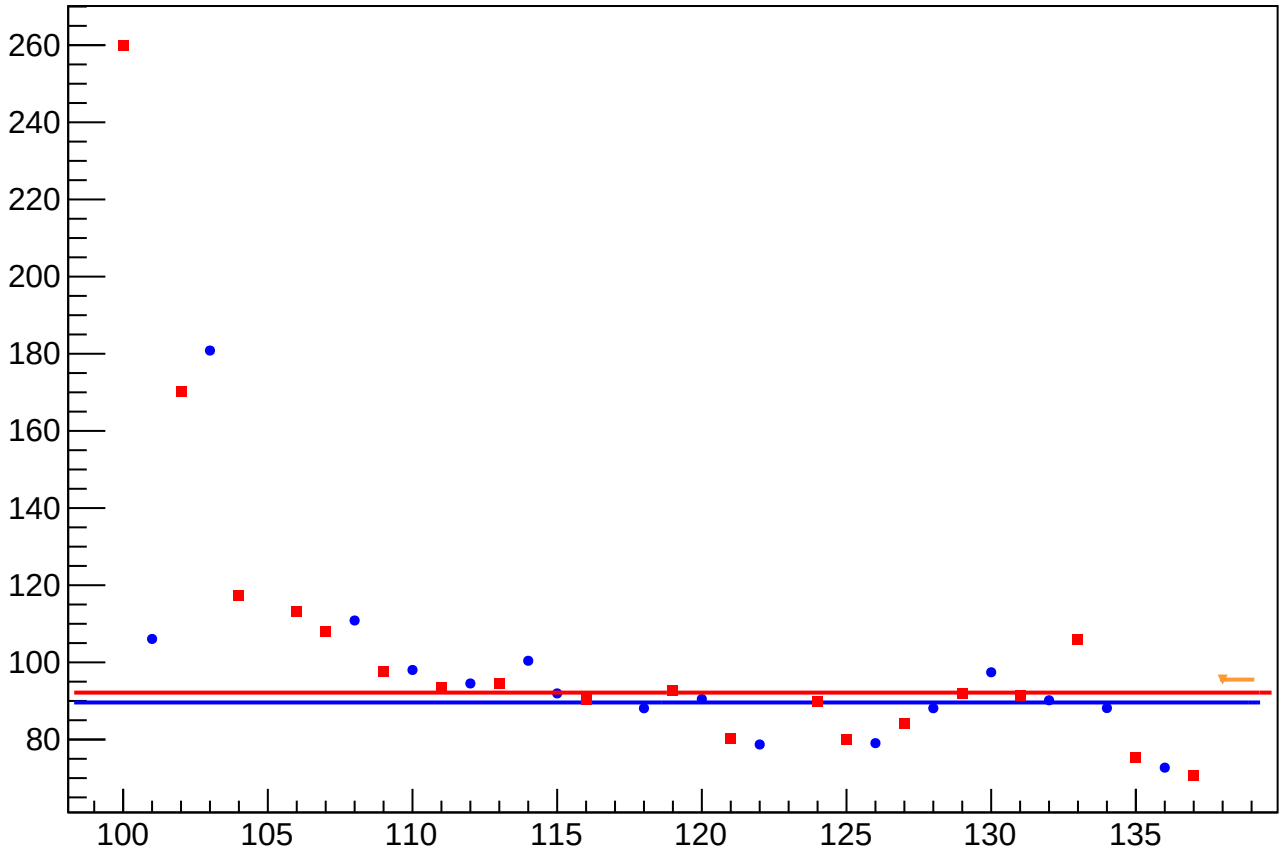
Left: 230.310+/-109.416 χ^2/NDF: 0.0/0

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: -6.559+/-34.286 χ^2/NDF:18.9/15

Out: 86.718+/-33.235 χ^2/NDF:24.7/19

All: 41.532+/-23.864 χ^2/NDF: 47.4/35



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 95.532+/-0.077 χ^2/NDF:0.0/0

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

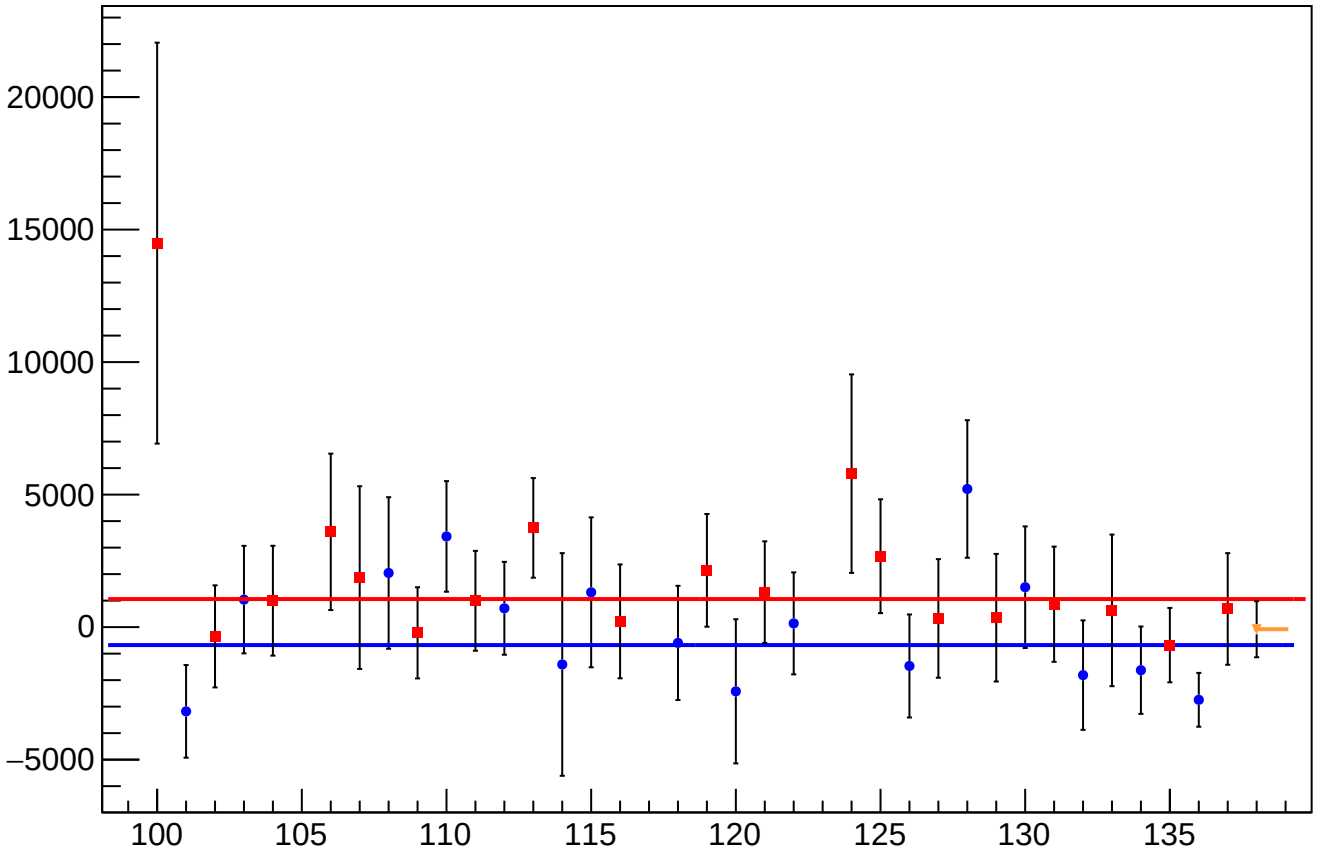
Left: 95.532+/-0.077 χ^2/NDF: 0.0/0

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 89.604+/-0.024 χ^2/NDF:498380.8/15

Out: 92.472+/-0.024 χ^2/NDF:543797.4/19

All: 91.083+/-0.017 χ^2/NDF: 1049395.3/35



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -79.369+/-1058.166 χ^2/NDF:0.0/0

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

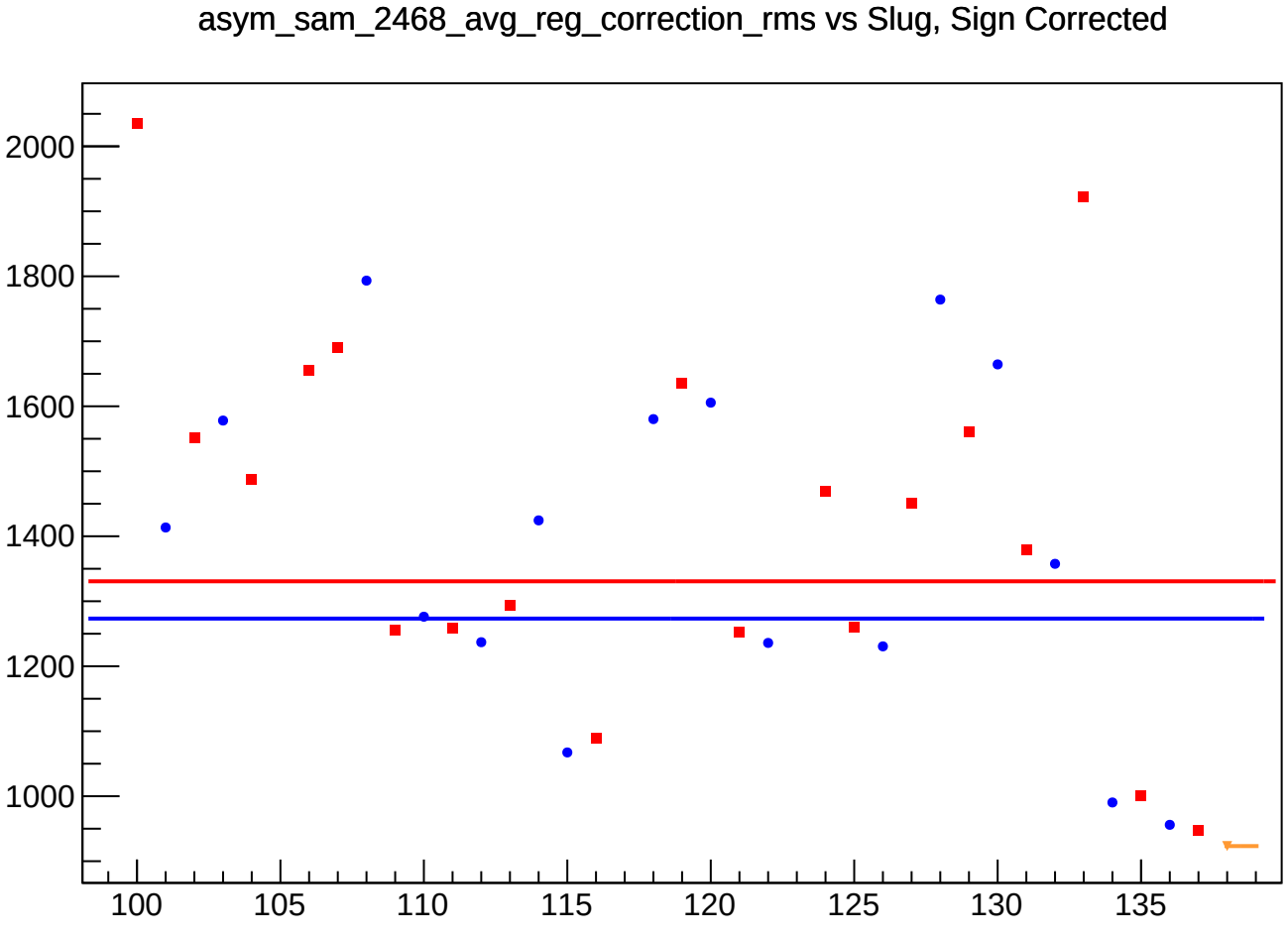
Left: -79.369+/-1058.166 χ^2/NDF: 0.0/0

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -677.381+/-486.480 χ^2/NDF:20.3/15

Out: 853.506+/-449.370 χ^2/NDF:12.4/19

All: 148.673+/-330.093 χ^2/NDF: 38.0/35



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 923.247+/-0.748 χ^2/NDF:0.0/0

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

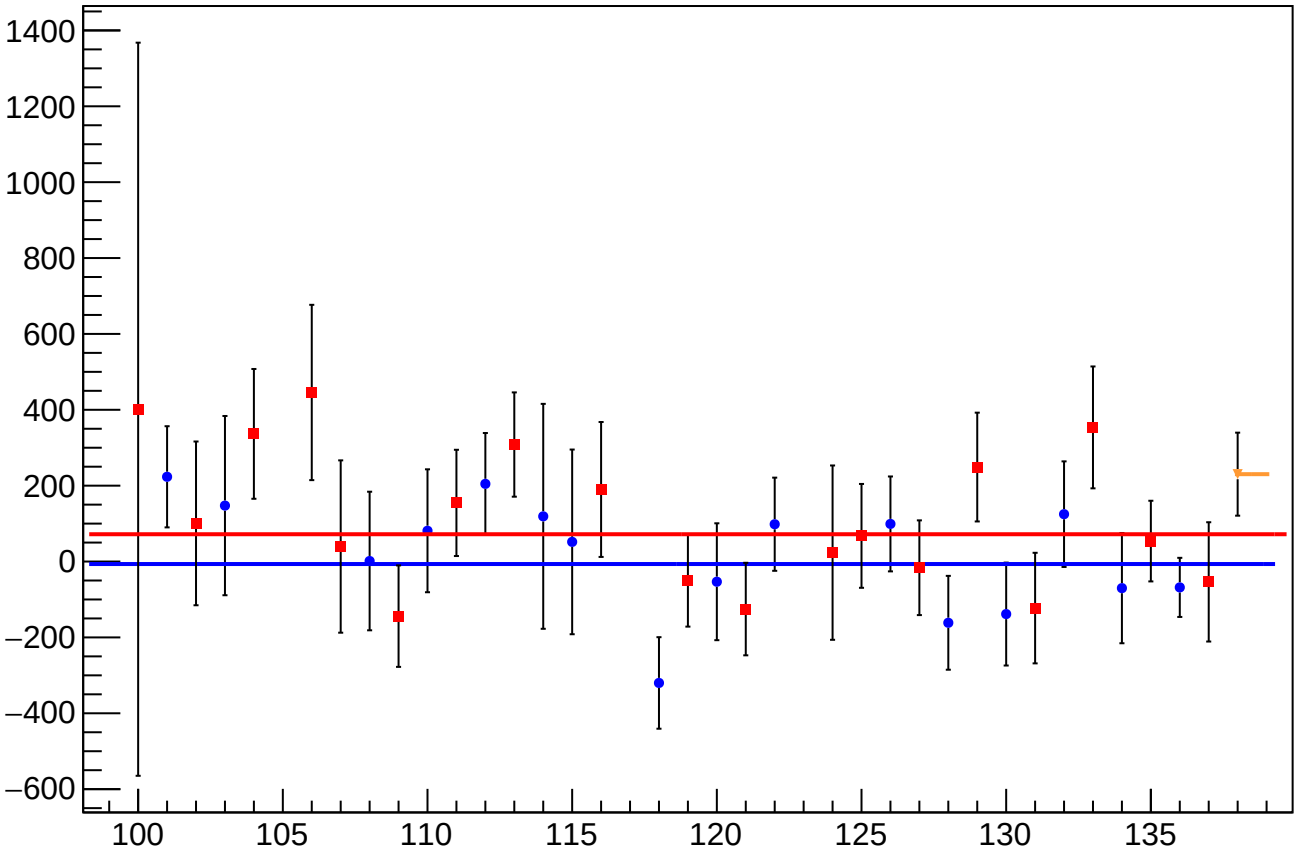
Left: 923.247+/-0.748 χ^2/NDF: 0.0/0

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 1273.324+/-0.344 χ^2/NDF:597520.6/15

Out: 1257.205+/-0.318 χ^2/NDF:713741.8/19

All: 1264.626+/-0.233 χ^2/NDF: 1312447.3/35



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 230.304+/-109.416 χ^2/NDF:0.0/0

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

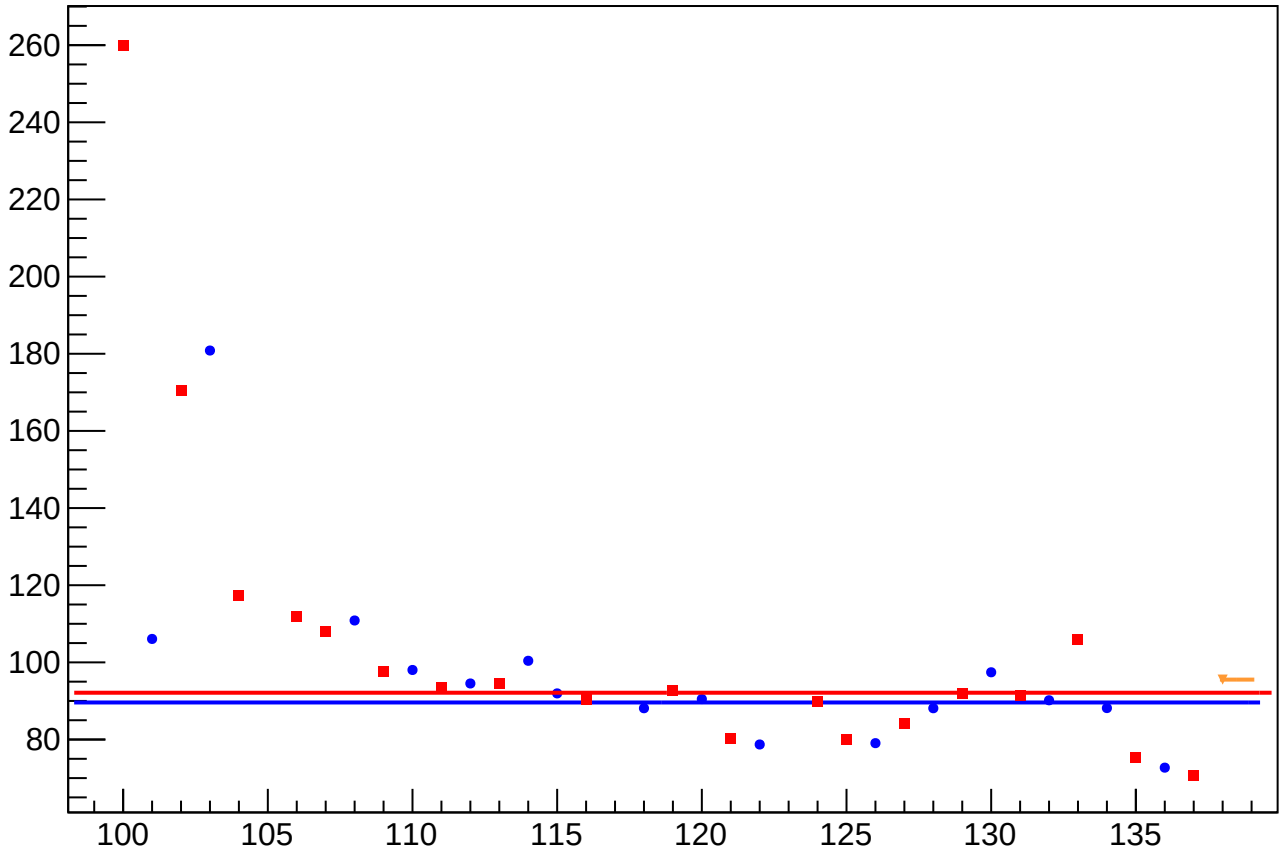
Left: 230.304+/-109.416 χ^2/NDF: 0.0/0

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: -6.568+/-34.286 χ^2/NDF:18.9/15

Out: 86.590+/-33.237 χ^2/NDF:24.7/19

All: 41.458+/-23.864 χ^2/NDF: 47.4/35



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 95.532+/-0.077 χ^2/NDF:0.0/0

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

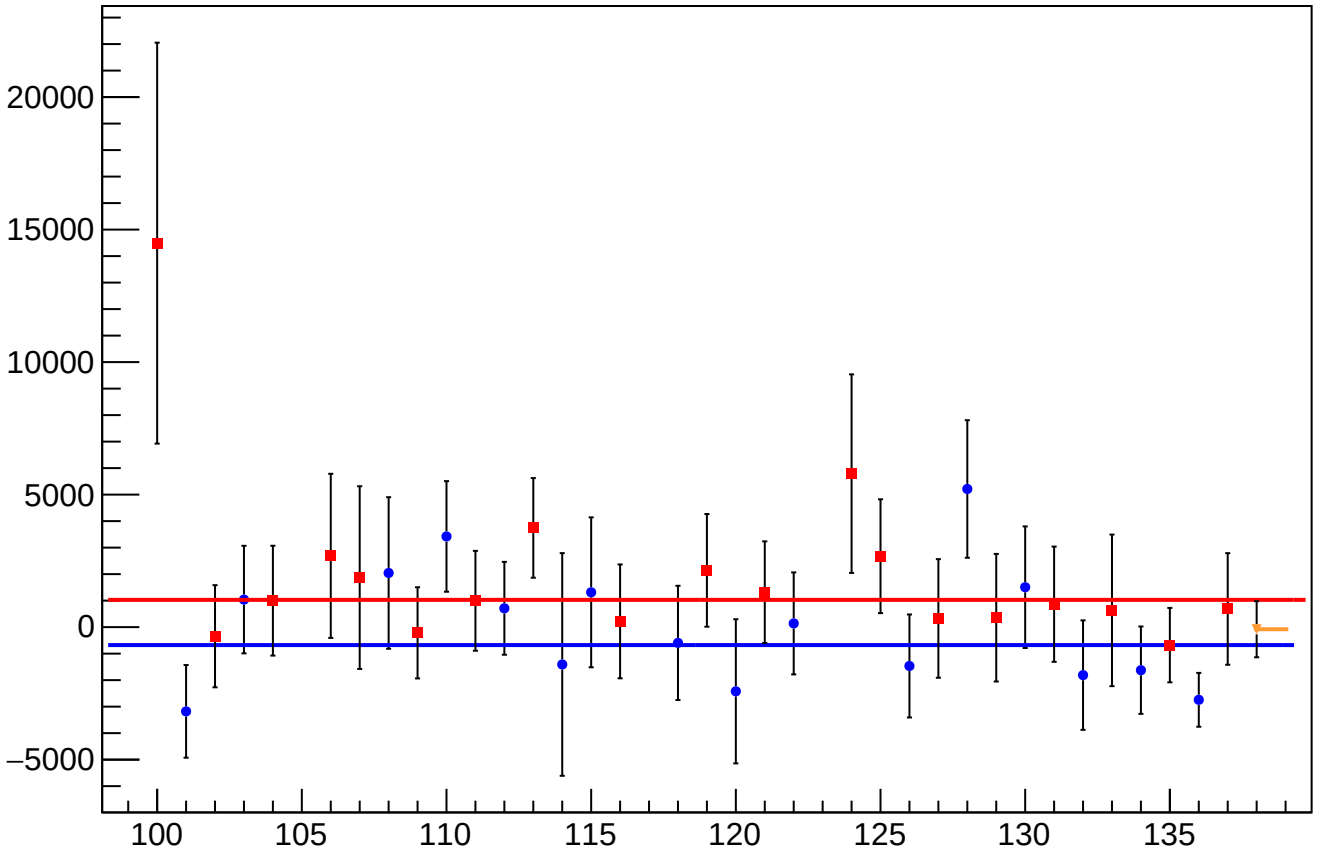
Left: 95.532+/-0.077 χ^2/NDF: 0.0/0

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 89.604+/-0.024 χ^2/NDF:498384.4/15

Out: 92.443+/-0.024 χ^2/NDF:542064.3/19

All: 91.068+/-0.017 χ^2/NDF: 1047521.2/35



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -79.373+/-1058.165 χ^2/NDF:0.0/0

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

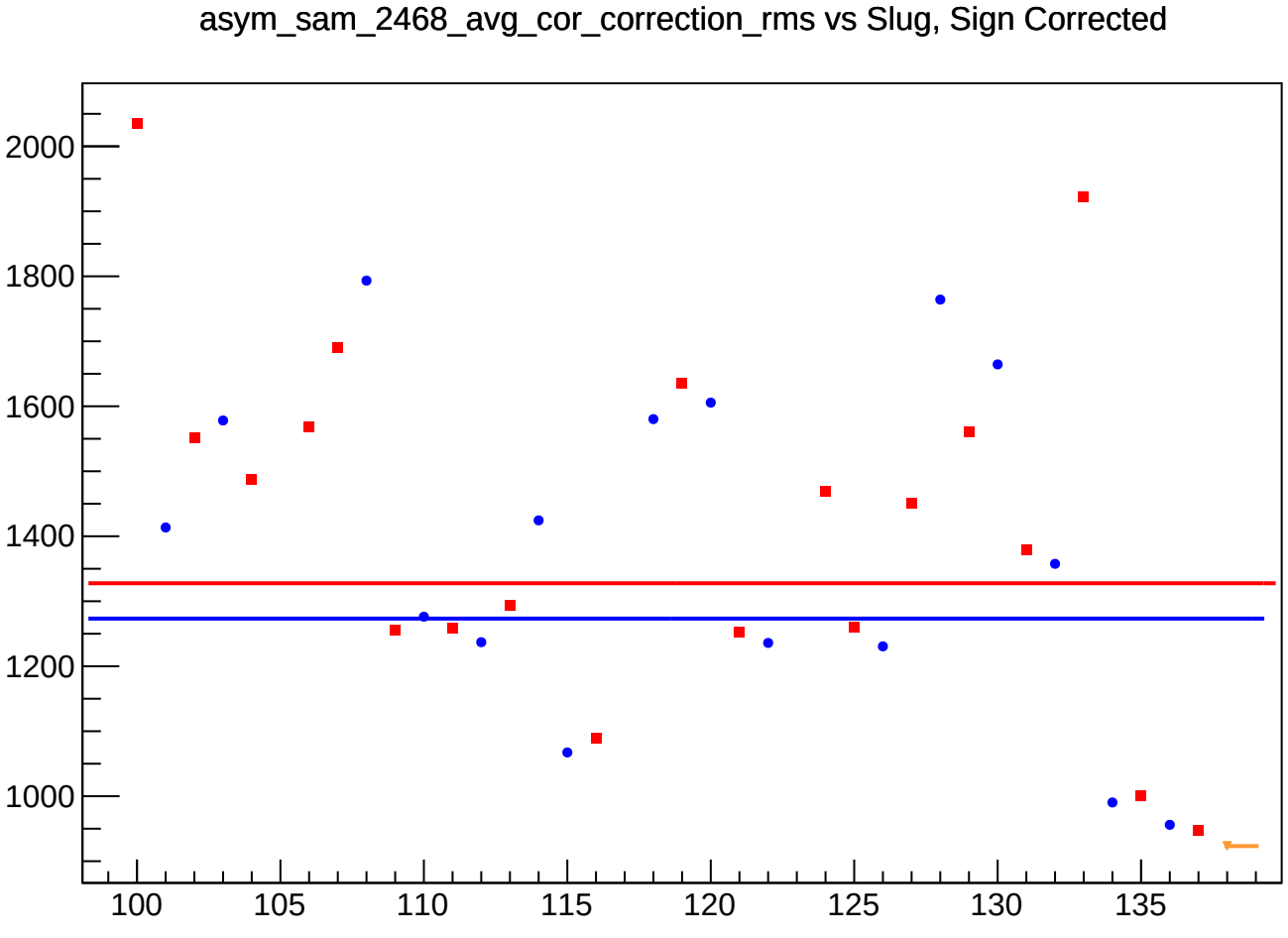
Left: -79.373+/-1058.165 χ^2/NDF: 0.0/0

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -677.345+/-486.482 χ^2/NDF:20.3/15

Out: 828.995+/-449.865 χ^2/NDF:11.9/19

All: 134.642+/-330.290 χ^2/NDF: 37.3/35



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 923.245+/-0.748 χ^2/NDF:0.0/0

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

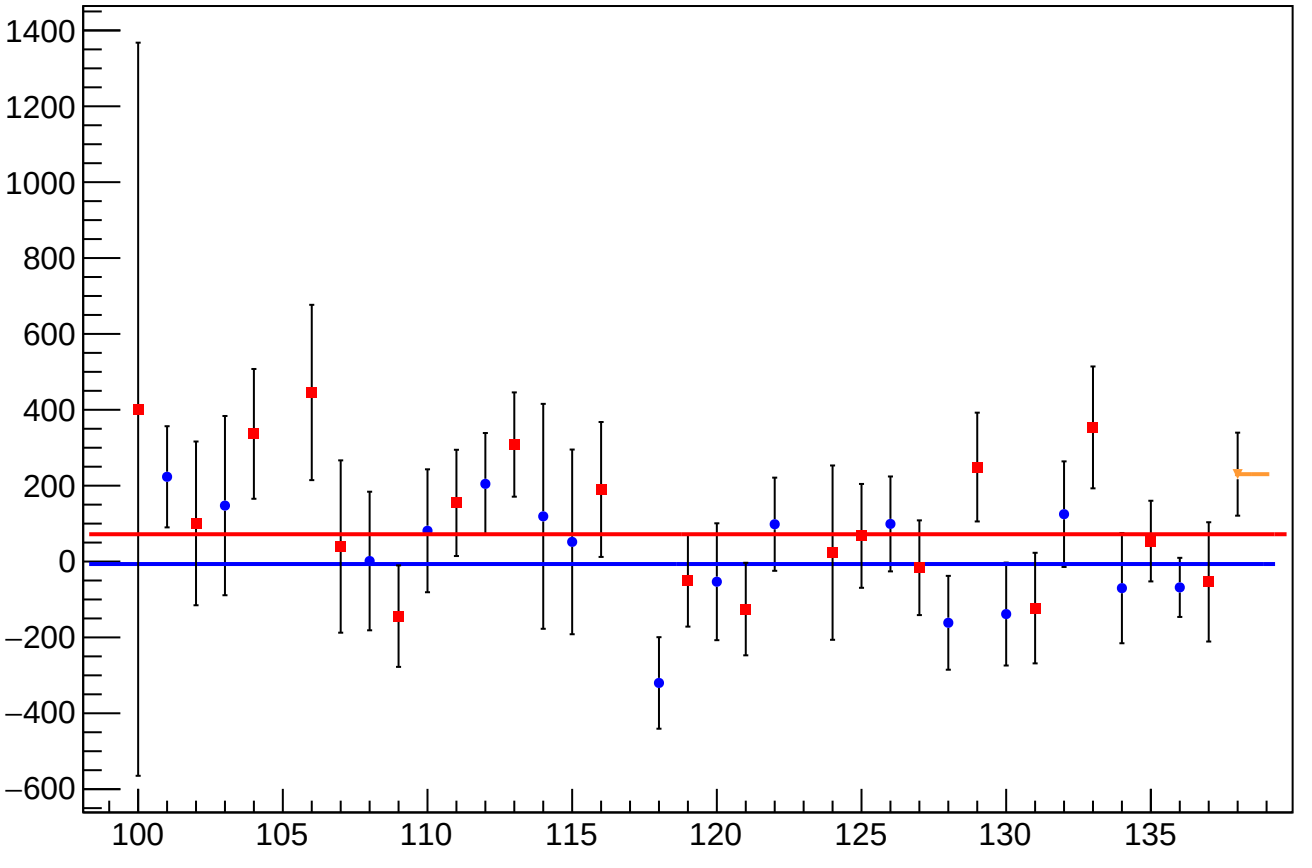
Left: 923.245+/-0.748 χ^2/NDF: 0.0/0

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 1273.327+/-0.344 χ^2/NDF:597547.8/15

Out: 1254.566+/-0.318 χ^2/NDF:697812.0/19

All: 1263.214+/-0.234 χ^2/NDF: 1296963.3/35



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 230.304+/-109.416 χ^2/NDF:0.0/0

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

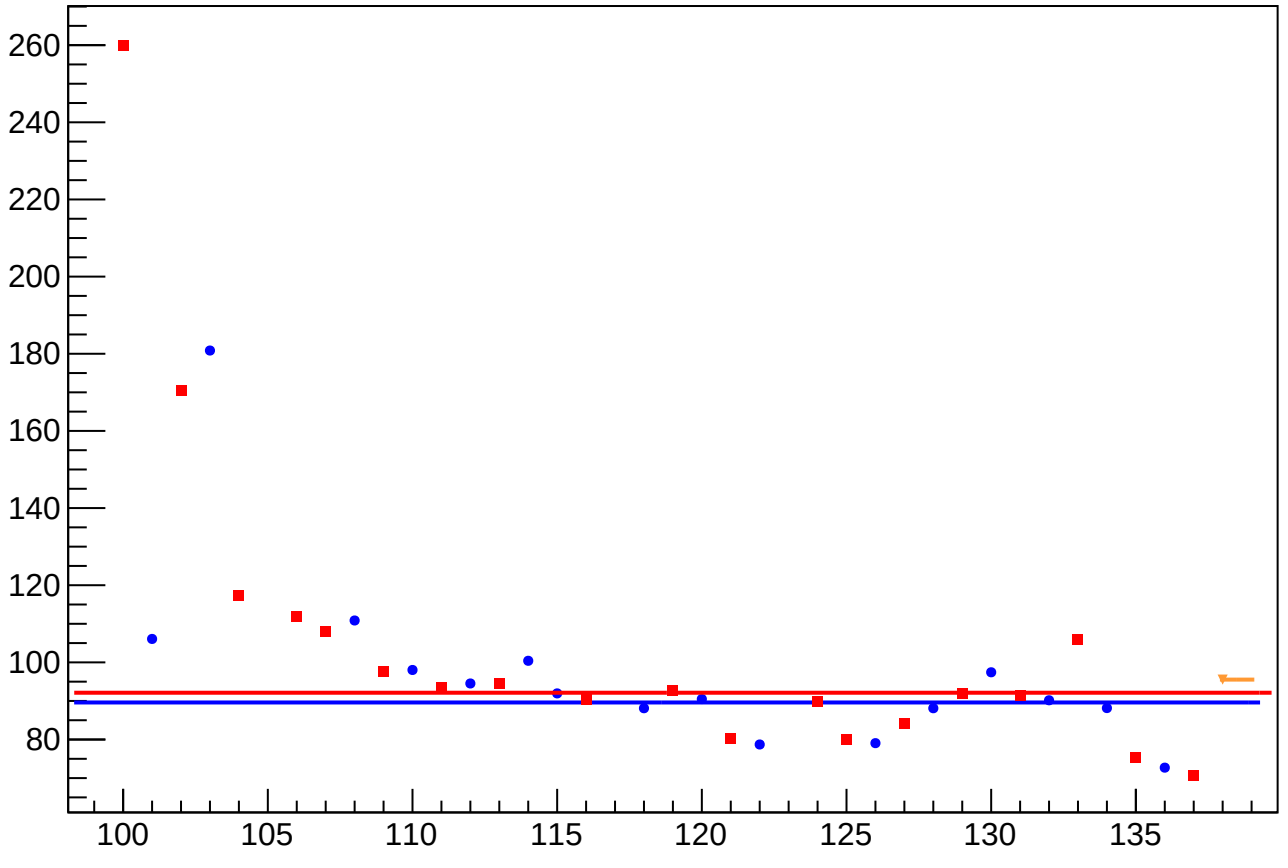
Left: 230.304+/-109.416 χ^2/NDF: 0.0/0

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: -6.568+/-34.286 χ^2/NDF:18.9/15

Out: 86.590+/-33.237 χ^2/NDF:24.7/19

All: 41.458+/-23.864 χ^2/NDF: 47.4/35



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 95.532+/-0.077 χ^2/NDF:0.0/0

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

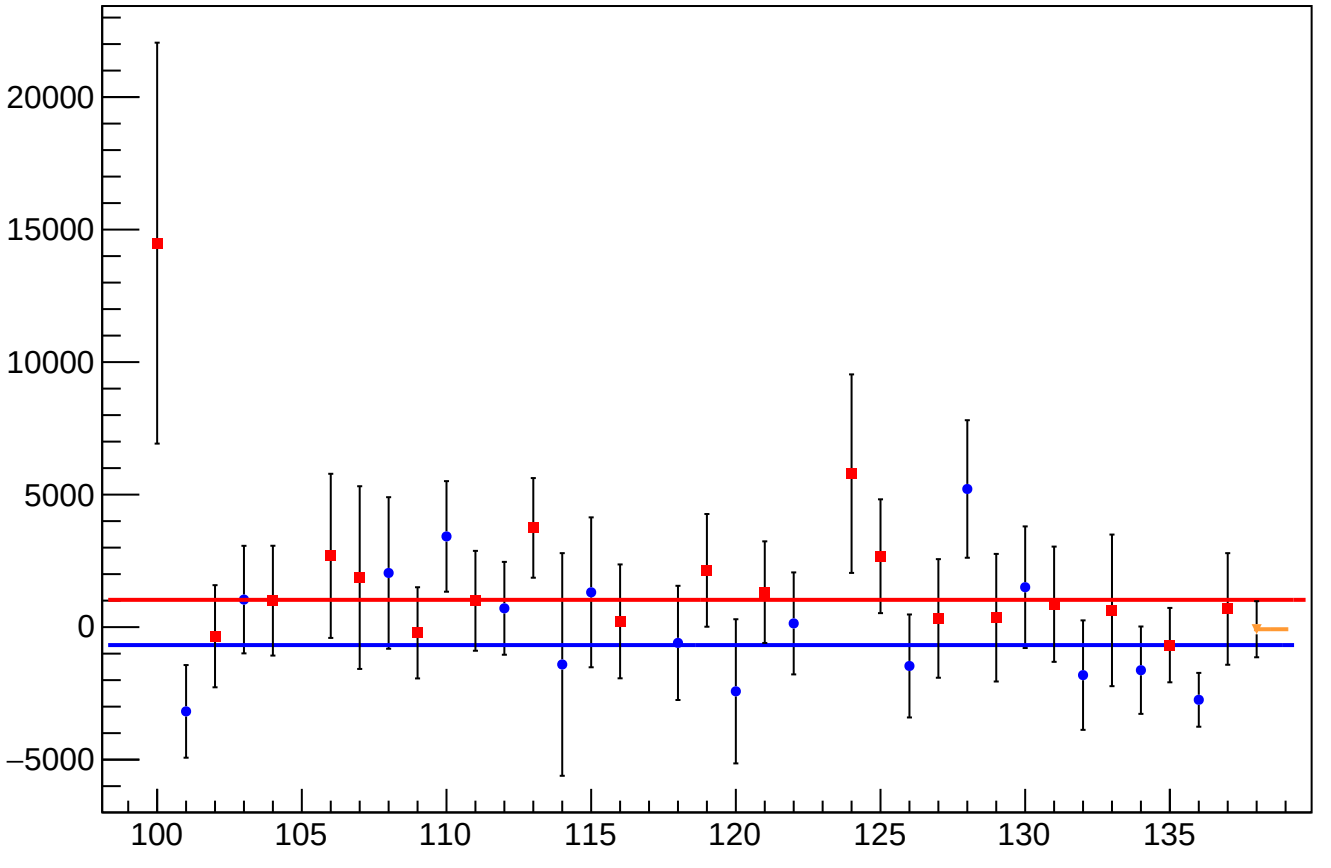
Left: 95.532+/-0.077 χ^2/NDF: 0.0/0

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 89.604+/-0.024 χ^2/NDF:498384.4/15

Out: 92.443+/-0.024 χ^2/NDF:542064.3/19

All: 91.068+/-0.017 χ^2/NDF: 1047521.2/35



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -79.373+/-1058.165 χ^2/NDF:0.0/0

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

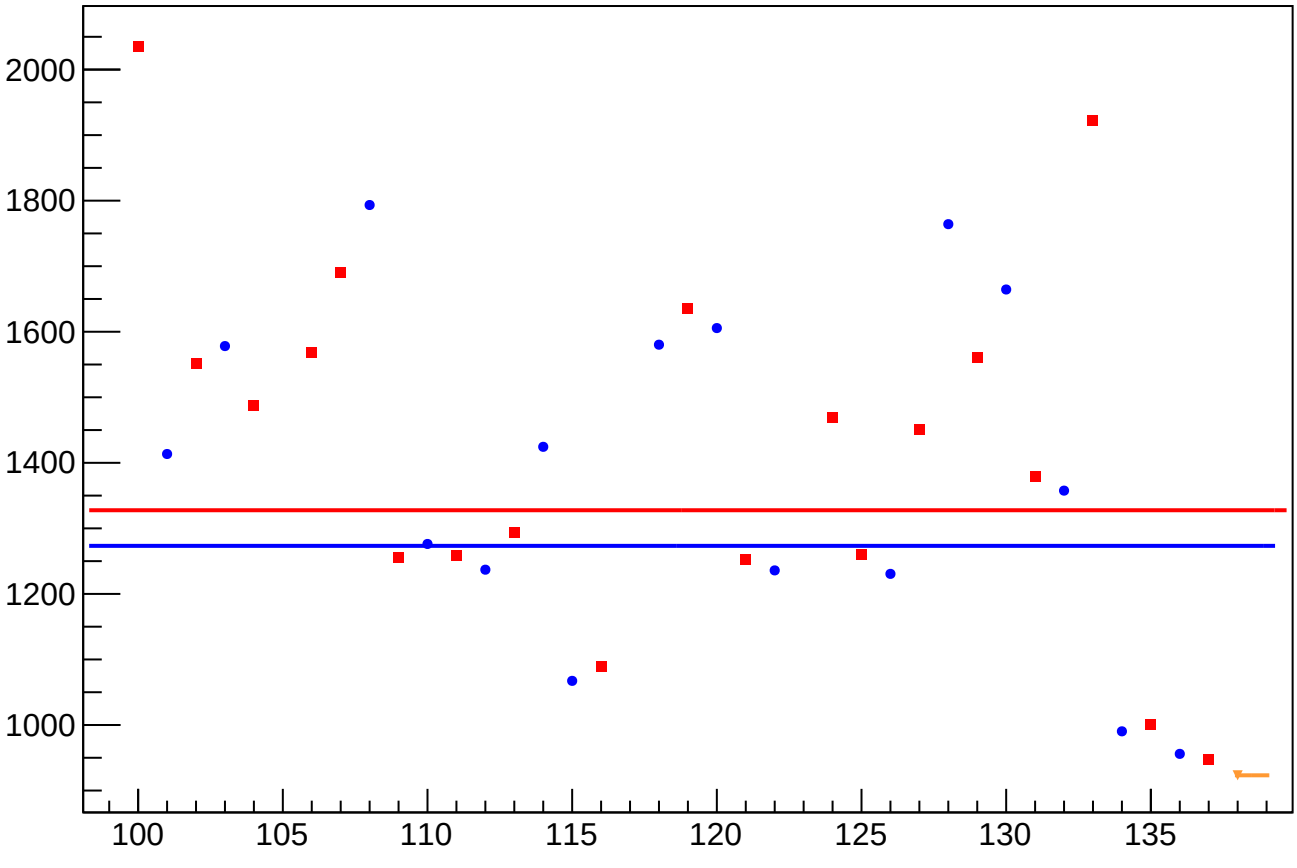
Left: -79.373+/-1058.165 χ^2/NDF: 0.0/0

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -677.345+/-486.482 χ^2/NDF:20.3/15

Out: 828.995+/-449.865 χ^2/NDF:11.9/19

All: 134.642+/-330.290 χ^2/NDF: 37.3/35



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 923.245+/-0.748 χ^2/NDF:0.0/0

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

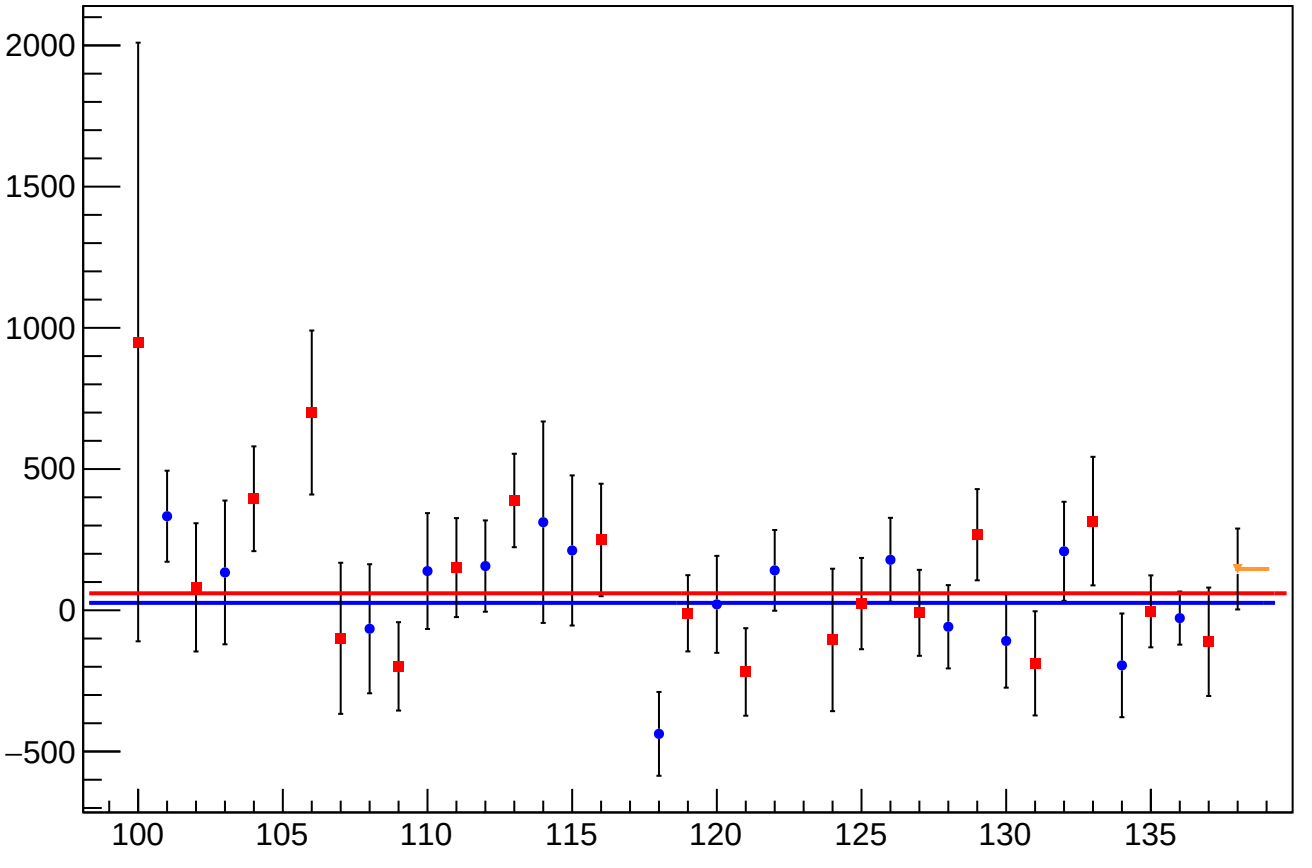
Left: 923.245+/-0.748 χ^2/NDF: 0.0/0

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 1273.327+/-0.344 χ^2/NDF:597547.8/15

Out: 1254.566+/-0.318 χ^2/NDF:697812.0/19

All: 1263.214+/-0.234 χ^2/NDF: 1296963.3/35



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 146.165+/-143.225 χ^2/NDF:0.0/0

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

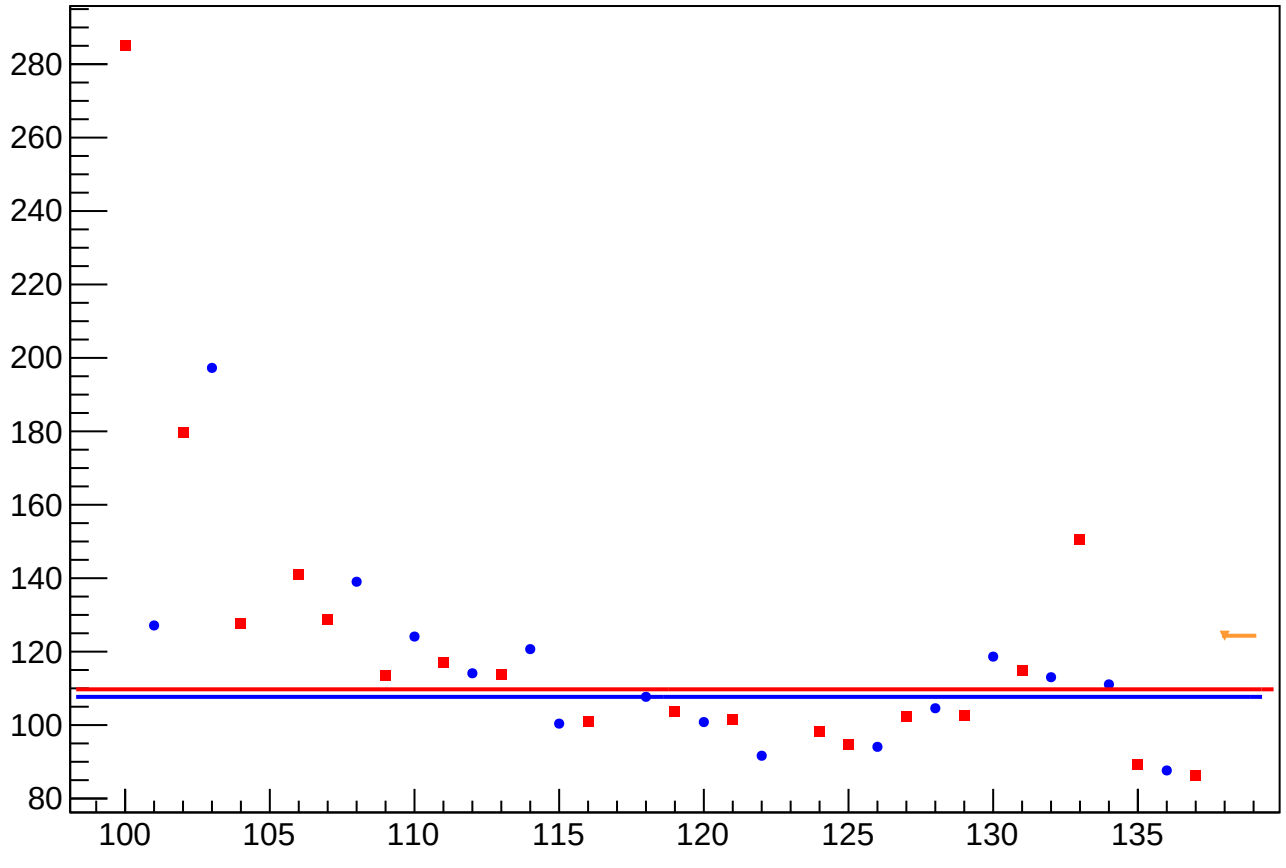
Left: 146.165+/-143.225 χ^2/NDF: 0.0/0

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 26.251+/-41.220 χ^2/NDF:21.4/15

Out: 66.792+/-39.885 χ^2/NDF:27.3/19

All: 47.188+/-28.663 χ^2/NDF: 49.2/35



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 124.332+/-0.101 χ^2/NDF:0.0/0

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

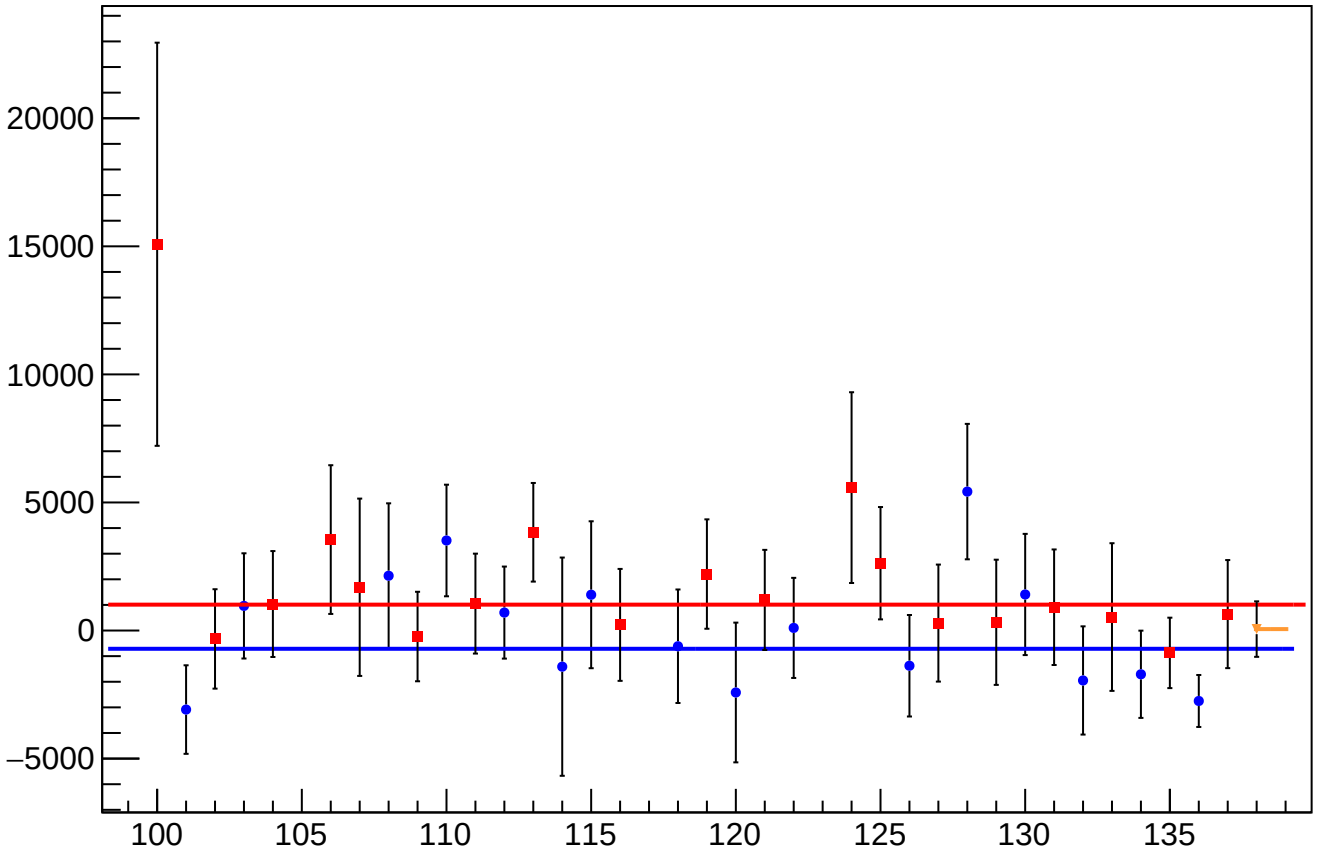
Left: 124.332+/-0.101 χ^2/NDF: 0.0/0

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 107.680+/-0.029 χ^2/NDF:483125.6/15

Out: 110.871+/-0.028 χ^2/NDF:510939.4/19

All: 109.328+/-0.020 χ^2/NDF: 1000256.2/35



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: 55.943+/-1083.043 χ^2/NDF:0.0/0

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

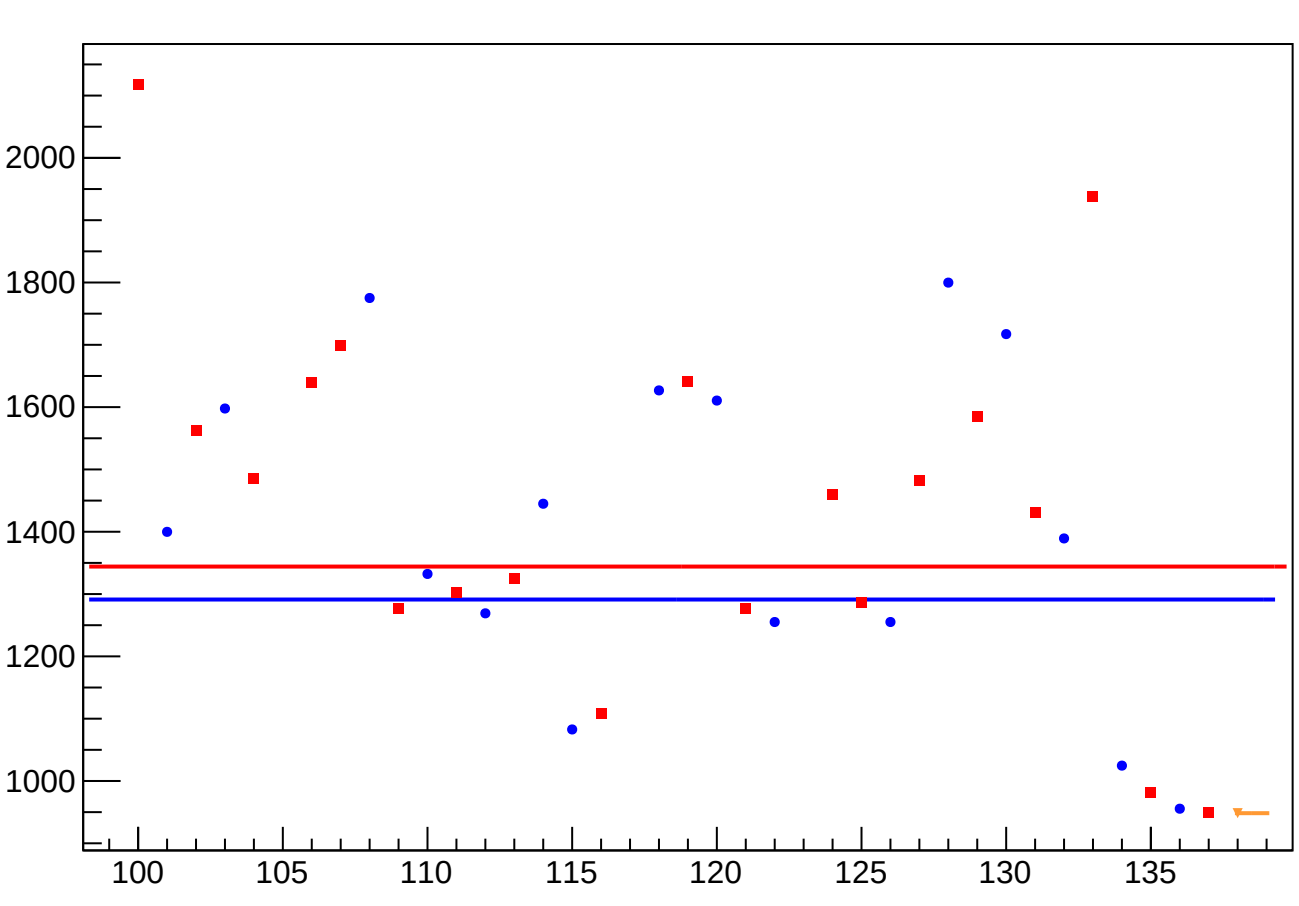
Left: 55.943+/-1083.043 χ^2/NDF: 0.0/0

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -712.887+/-493.253 χ^2/NDF:20.1/15

Out: 842.083+/-454.986 χ^2/NDF:12.4/19

All: 127.248+/-334.435 χ^2/NDF: 37.9/35



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 948.340+/-0.766 χ^2/NDF:0.0/0

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

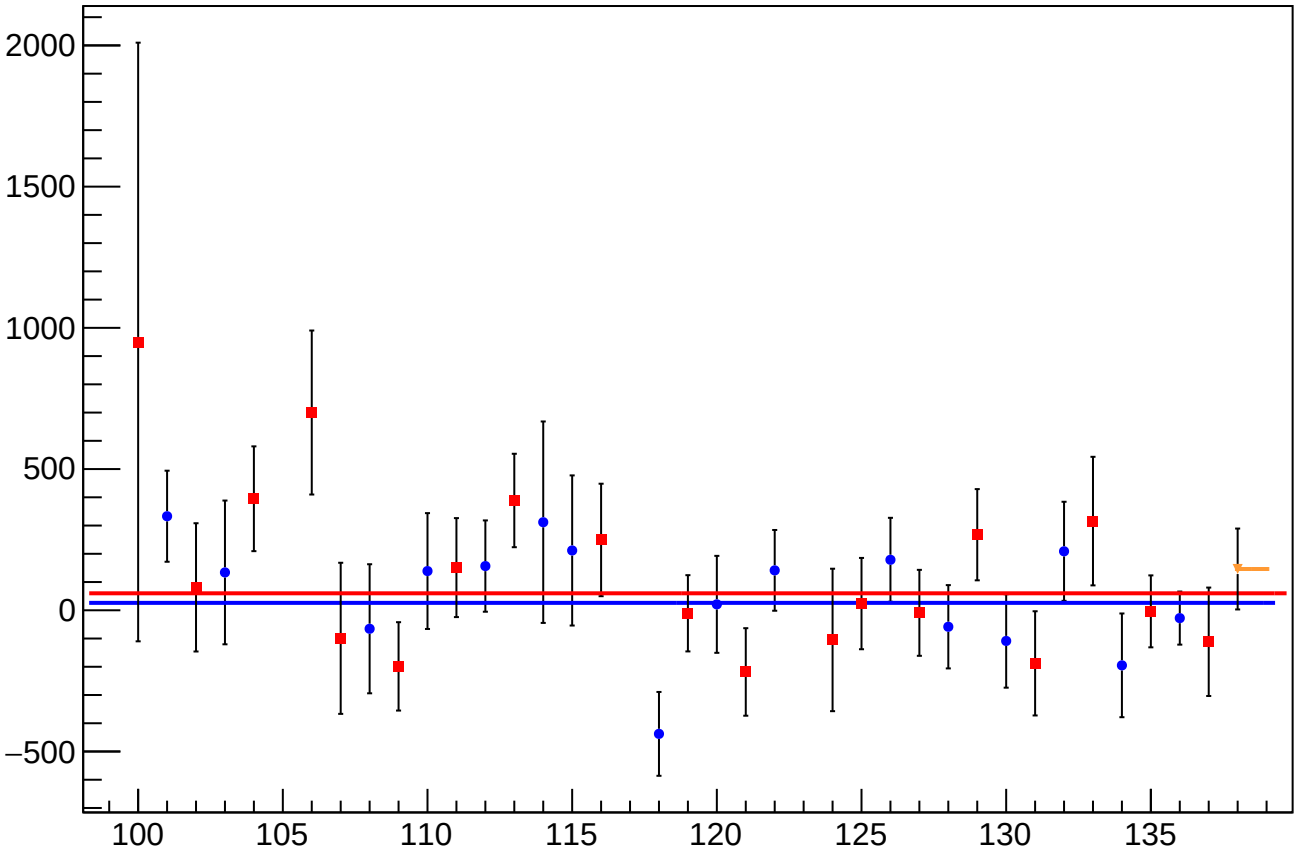
Left: 948.340+/-0.766 χ^2/NDF: 0.0/0

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 1291.223+/-0.349 χ^2/NDF:610897.3/15

Out: 1274.270+/-0.322 χ^2/NDF:710908.4/19

All: 1282.063+/-0.236 χ^2/NDF: 1323082.2/35



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 146.158+/-143.224 χ^2/NDF:0.0/0

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

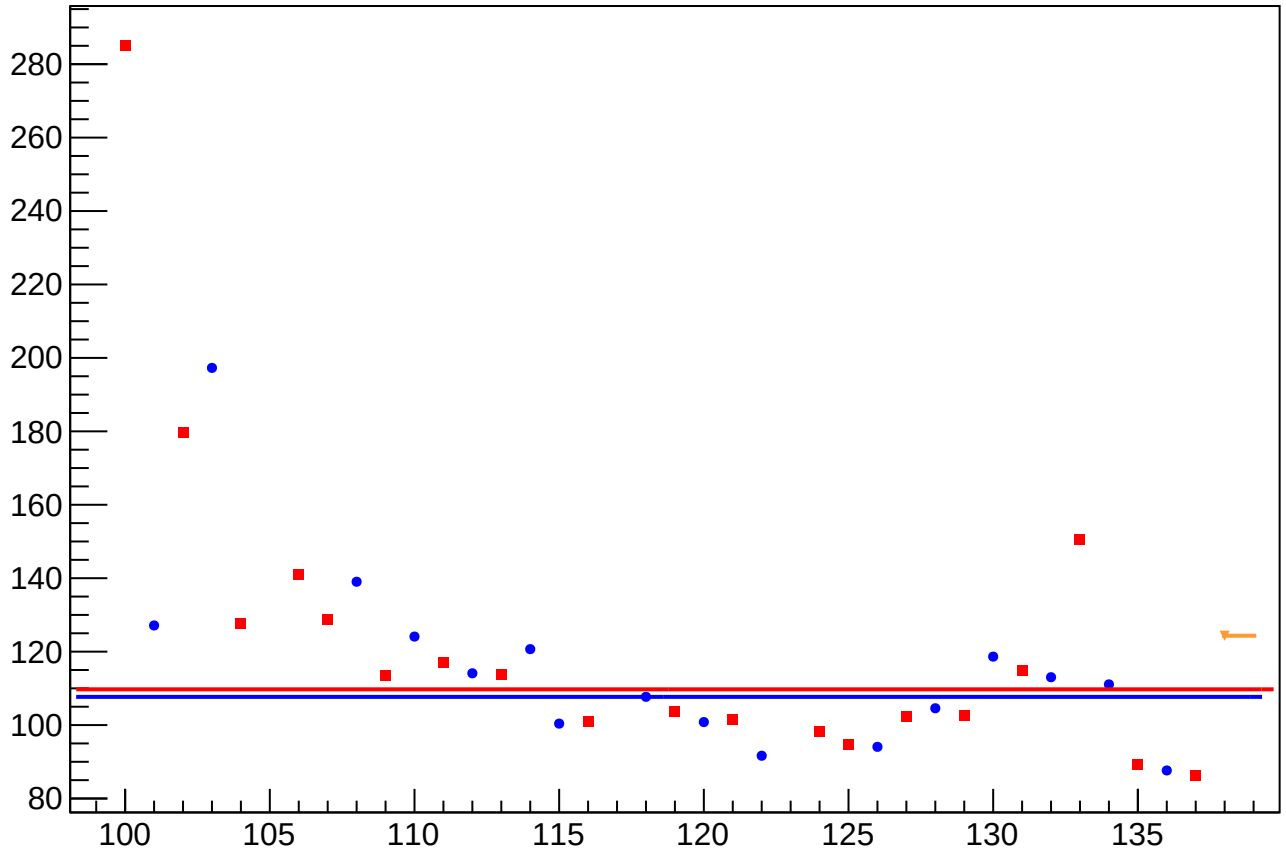
Left: 146.158+/-143.224 χ^2/NDF: 0.0/0

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 26.252+/-41.219 χ^2/NDF:21.4/15

Out: 66.790+/-39.885 χ^2/NDF:27.3/19

All: 47.188+/-28.663 χ^2/NDF: 49.2/35



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 124.331+/-0.101 χ^2/NDF:0.0/0

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

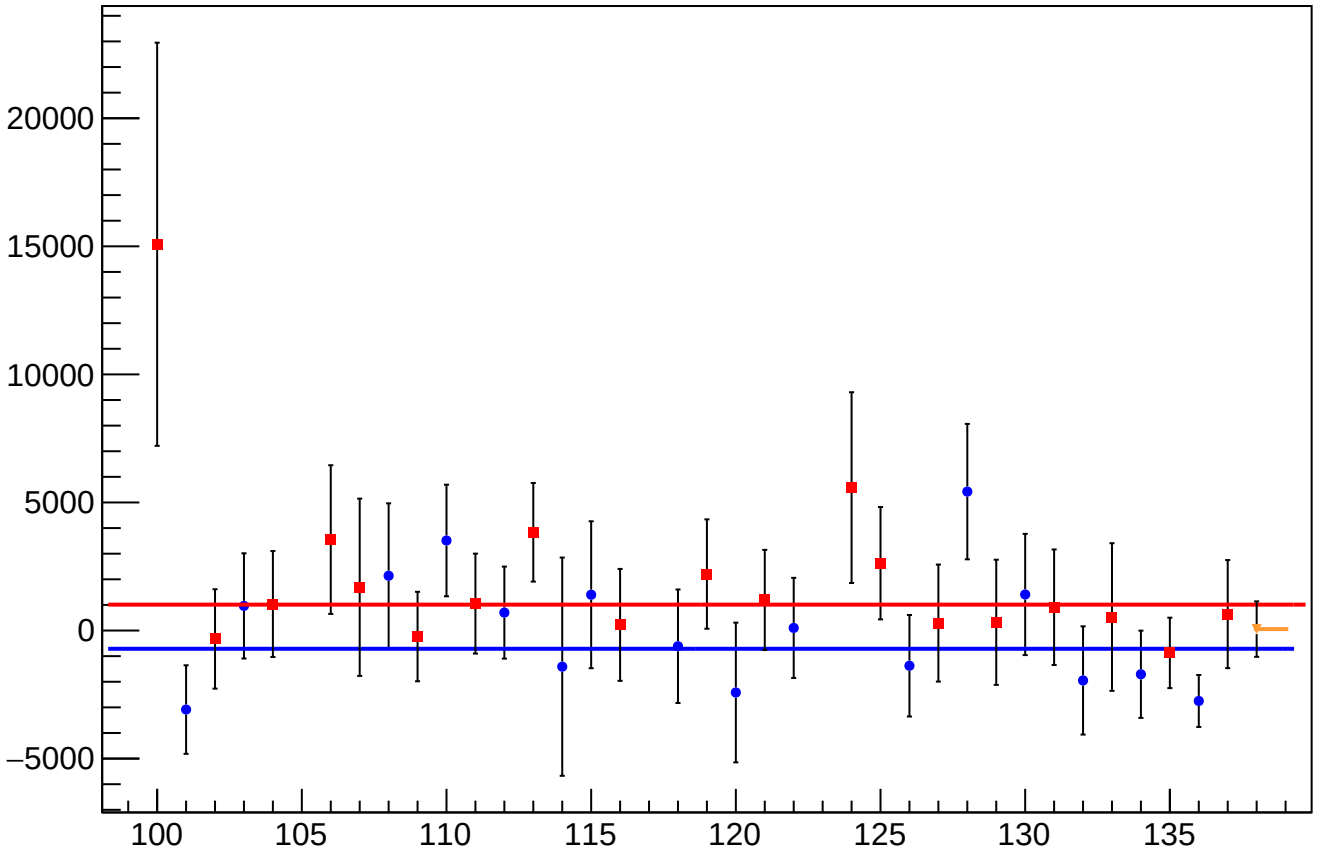
Left: 124.331+/-0.101 χ^2/NDF: 0.0/0

Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 107.679+/-0.029 χ^2/NDF:483112.2/15

Out: 110.870+/-0.028 χ^2/NDF:510936.2/19

All: 109.327+/-0.020 χ^2/NDF: 1000240.1/35



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: 55.935+/-1083.038 χ^2/NDF:0.0/0

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

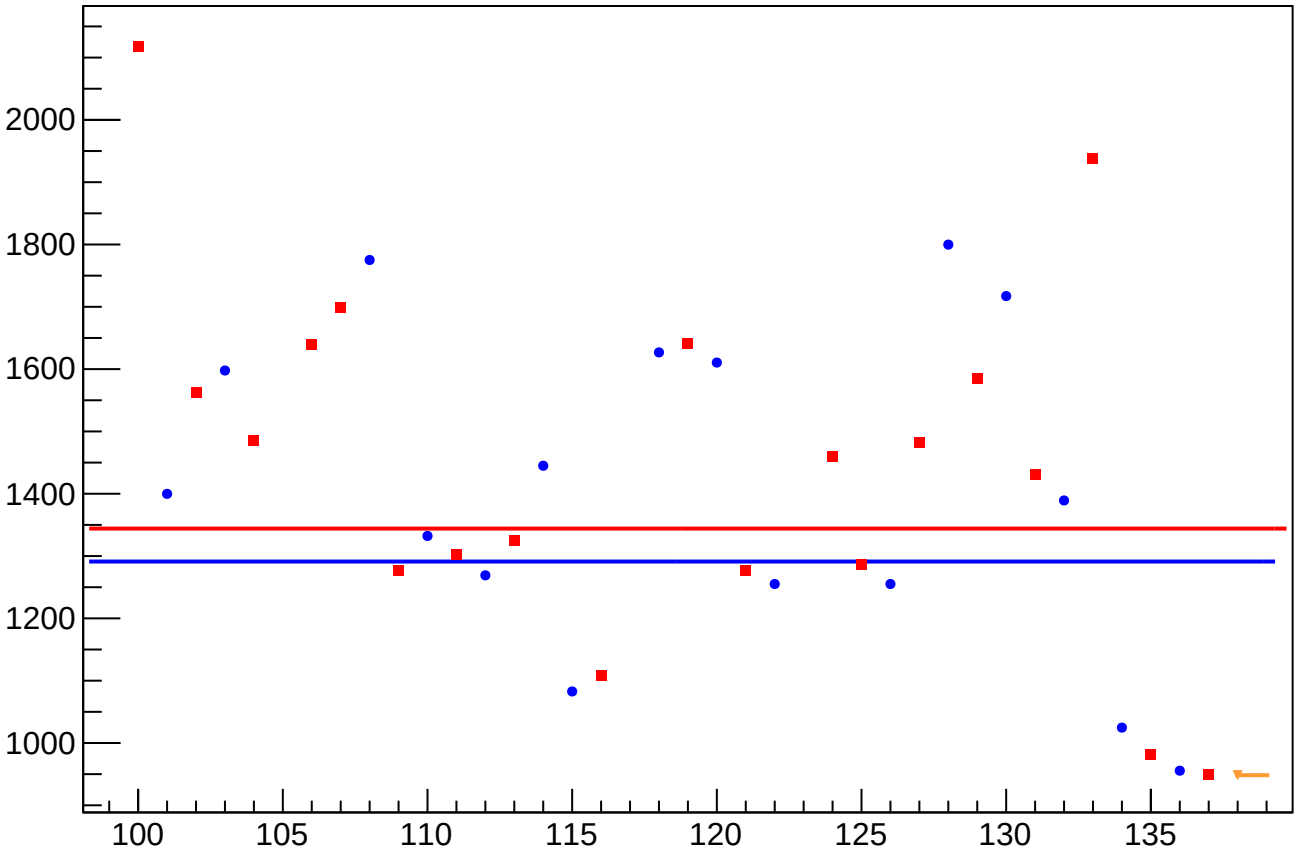
Left: 55.935+/-1083.038 χ^2/NDF: 0.0/0

Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -712.881+/-493.252 χ^2/NDF:20.1/15

Out: 842.080+/-454.984 χ^2/NDF:12.4/19

All: 127.250+/-334.434 χ^2/NDF: 37.9/35



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 948.335+/-0.766 χ^2/NDF:0.0/0

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

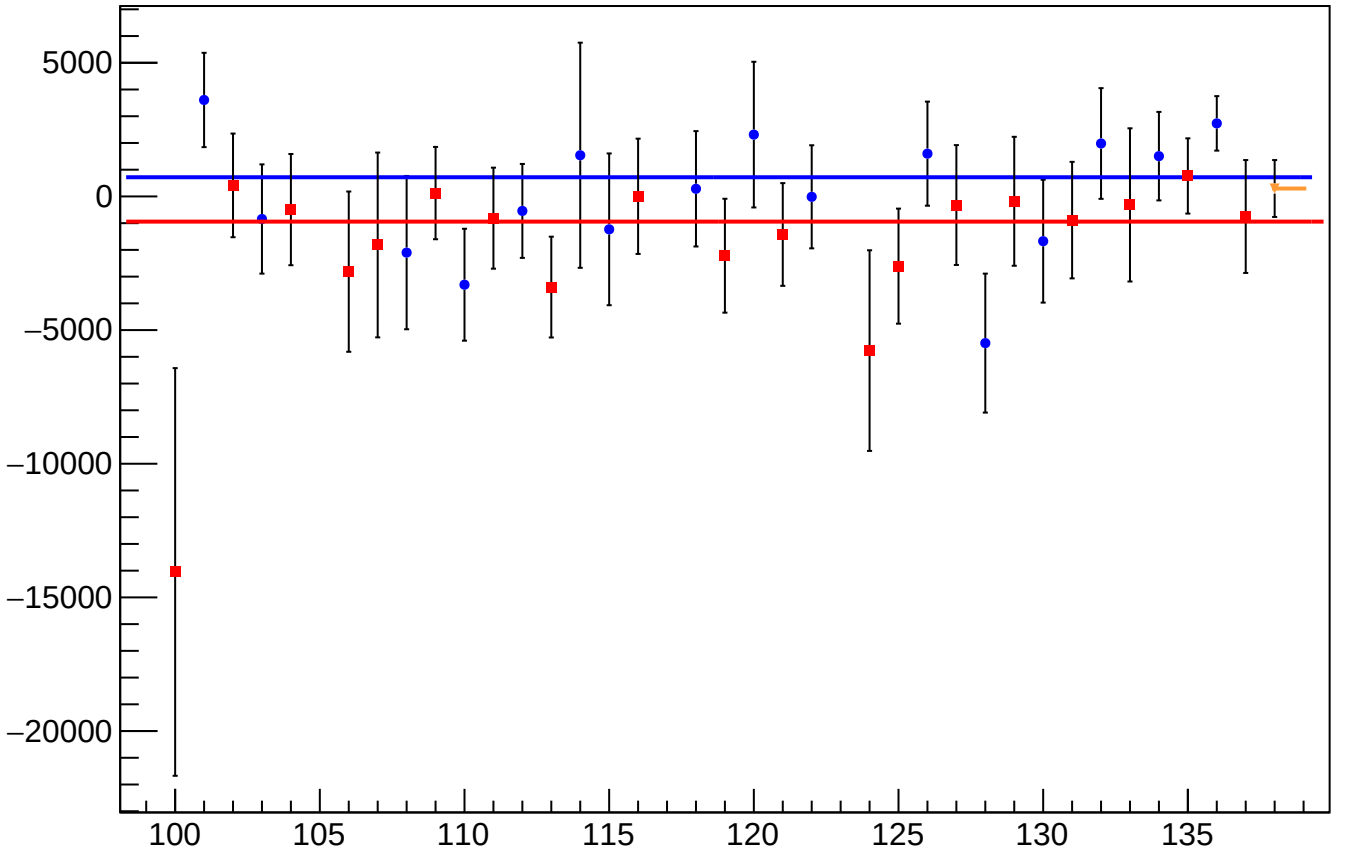
Left: 948.335+/-0.766 χ^2/NDF: 0.0/0

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 1291.220+/-0.349 χ^2/NDF:610894.9/15

Out: 1274.266+/-0.322 χ^2/NDF:710911.7/19

All: 1282.060+/-0.236 χ^2/NDF: 1323083.2/35



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 296.206+/-1063.947 χ^2/NDF:0.0/0

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

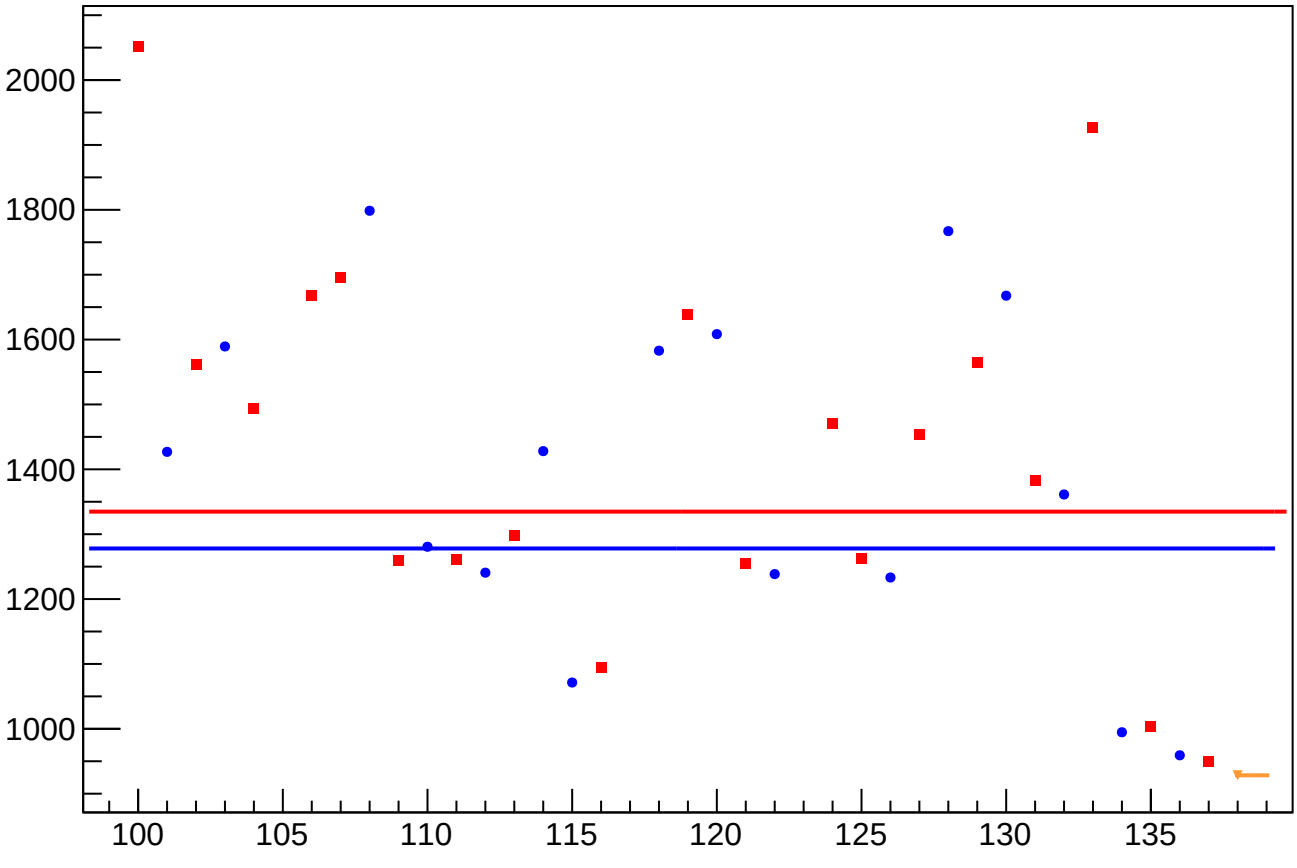
Left: 296.206+/-1063.947 χ^2/NDF: 0.0/0

Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 717.617+/-488.239 χ^2/NDF:21.0/15

Out: -719.691+/-451.075 χ^2/NDF:11.7/19

All: -57.815+/-331.318 χ^2/NDF: 37.3/35



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 928.331+/-0.752 χ^2/NDF:0.0/0

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

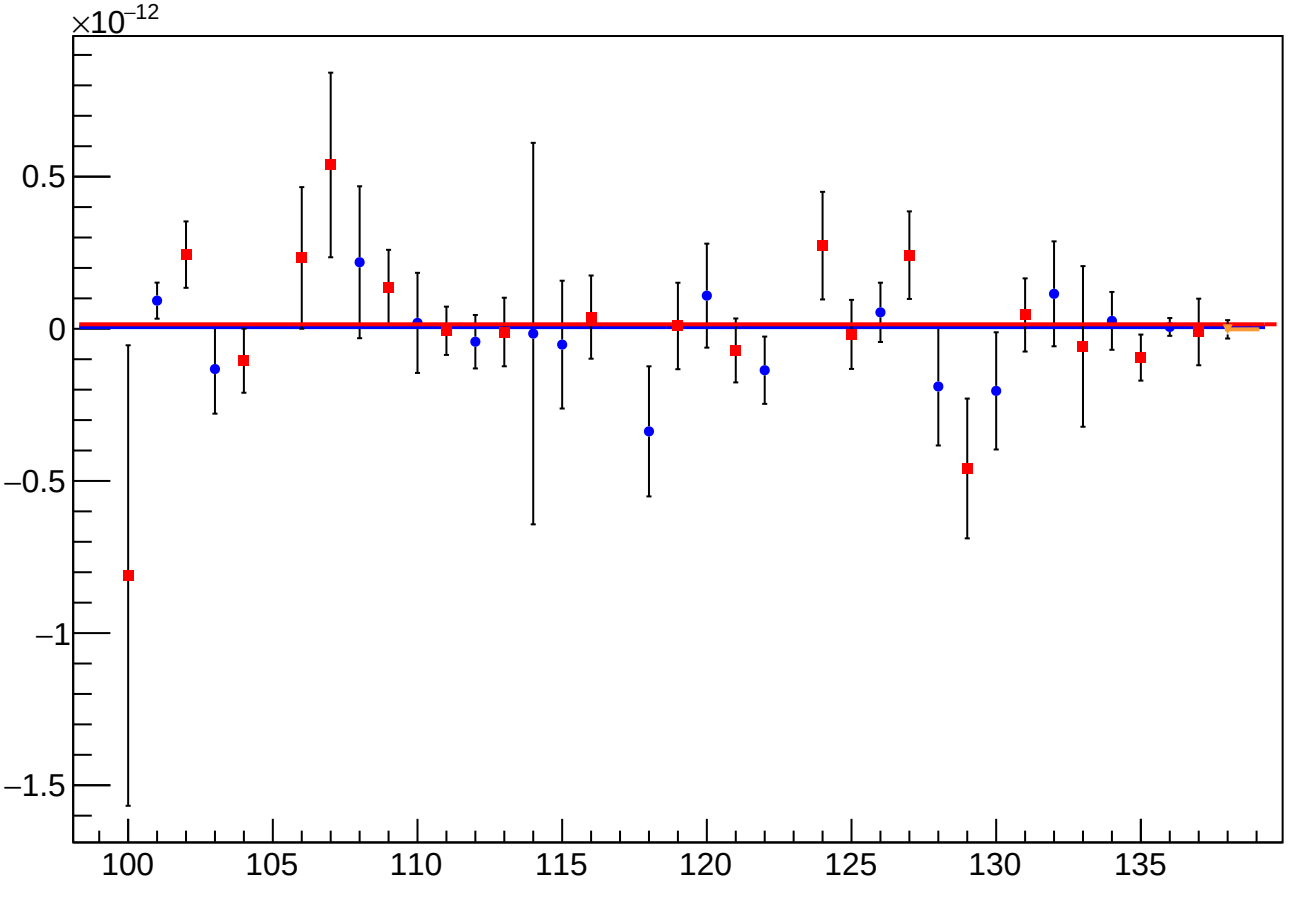
Left: 928.331+/-0.752 χ^2/NDF: 0.0/0

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 1277.979+/-0.345 χ^2/NDF:597666.8/15

Out: 1261.719+/-0.319 χ^2/NDF:711306.3/19

All: 1269.206+/-0.234 χ^2/NDF: 1310169.8/35



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

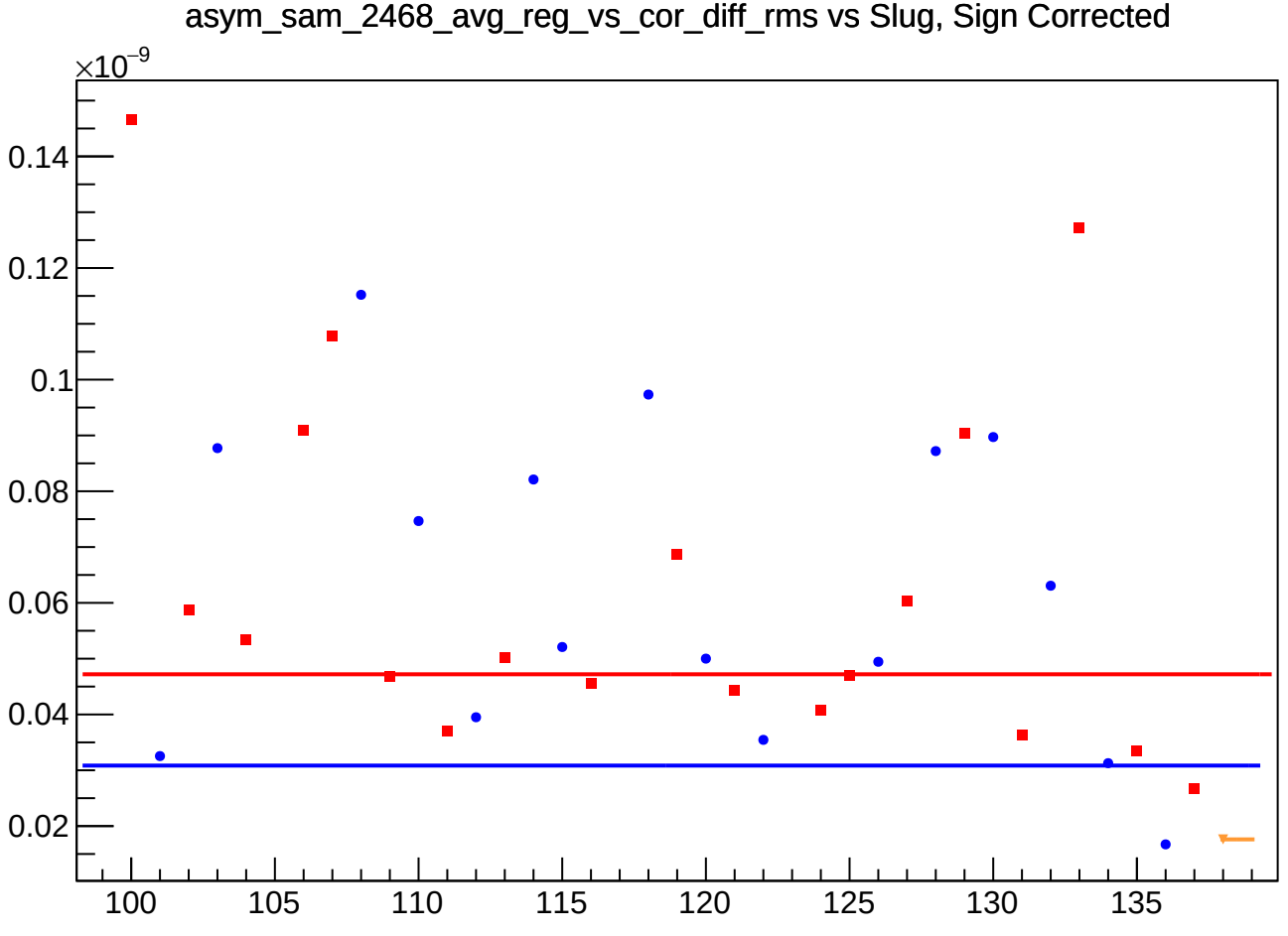
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:11.6/15

Out: 0.000+/-0.000 χ^2/NDF:23.9/19

All: 0.000+/-0.000 χ^2/NDF: 35.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

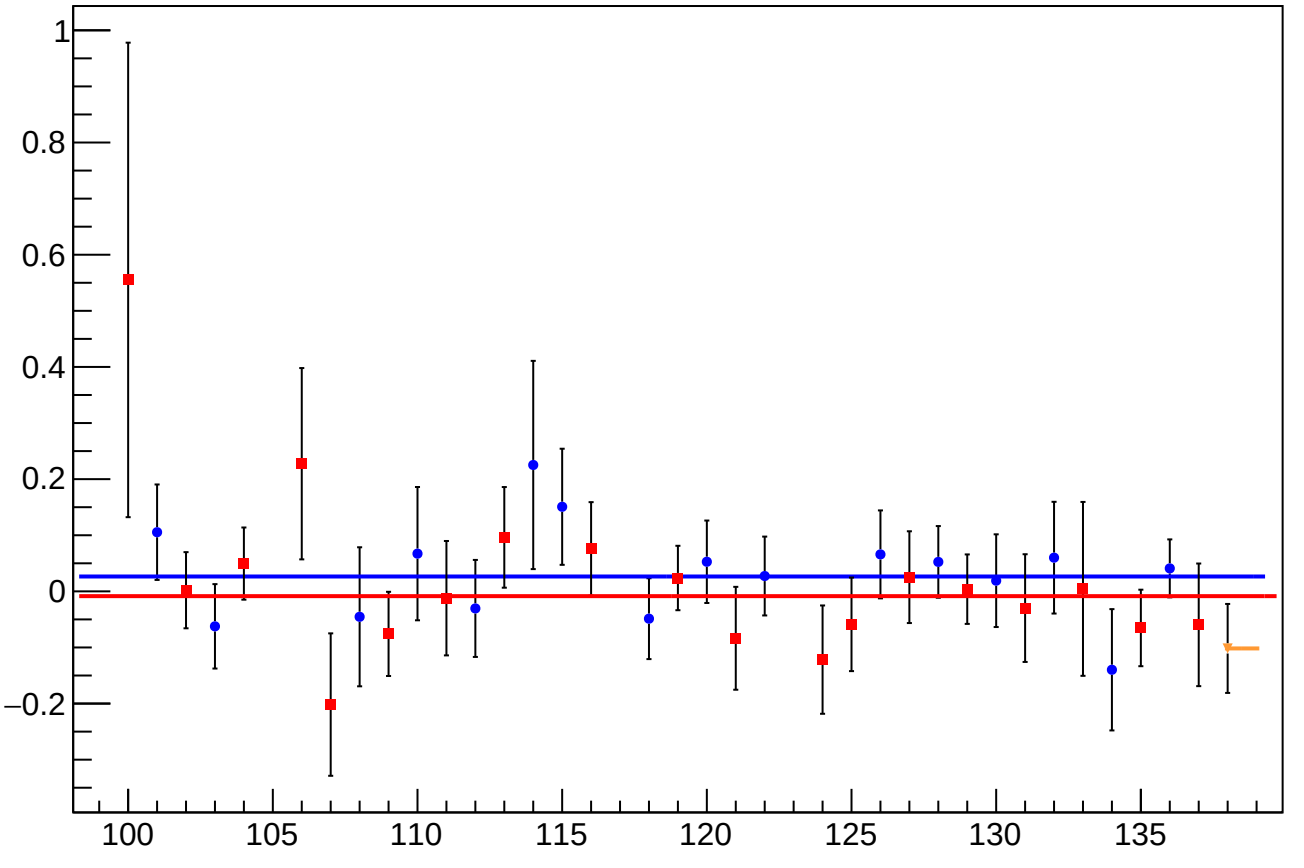
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:1912879.1/15

Out: 0.000+/-0.000 χ^2/NDF:1732483.5/19

All: 0.000+/-0.000 χ^2/NDF: 3657886.1/35



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.102+/-0.079 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

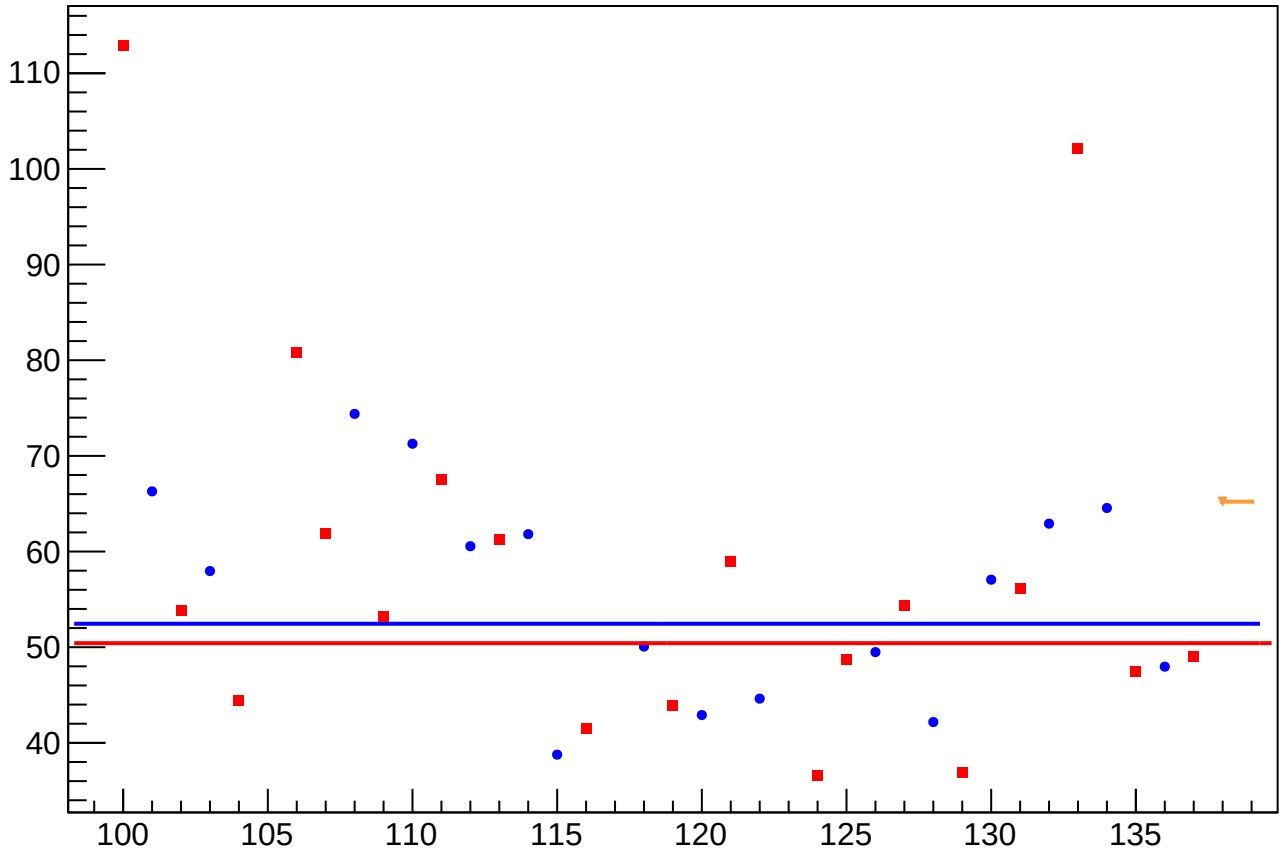
Left: -0.102+/-0.079 χ^2/NDF: 0.0/0

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.026+/-0.020 χ^2/NDF:9.9/15

Out: -0.014+/-0.019 χ^2/NDF:15.2/19

All: 0.005+/-0.014 χ^2/NDF: 27.3/35



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 65.213+/-0.056 χ^2/NDF:0.0/0

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

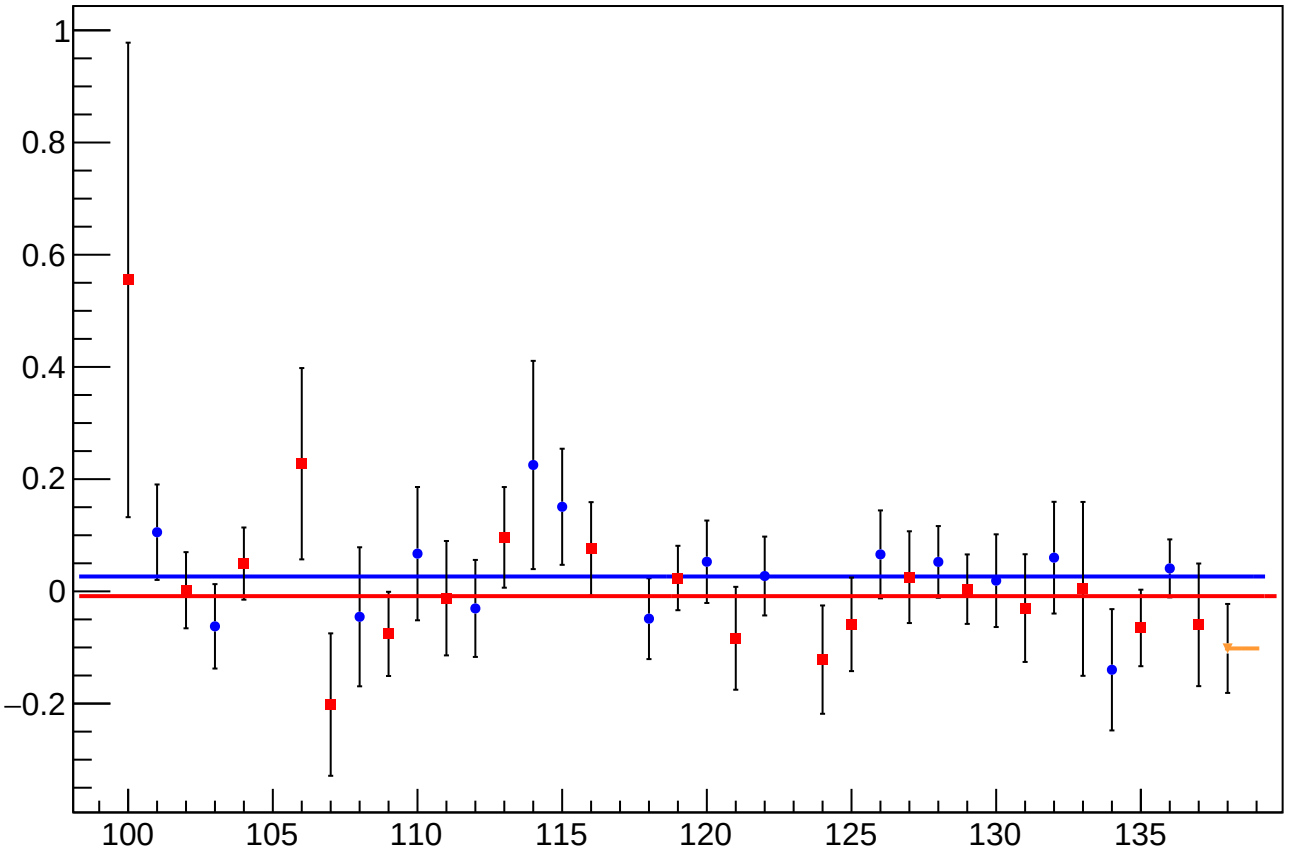
Left: 65.213+/-0.056 χ^2/NDF: 0.0/0

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 52.451+/-0.014 χ^2/NDF:418014.5/15

Out: 51.264+/-0.013 χ^2/NDF:742362.0/19

All: 51.813+/-0.010 χ^2/NDF: 1164013.6/35



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.102+/-0.079 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.102+/-0.079 χ^2/NDF: 0.0/0

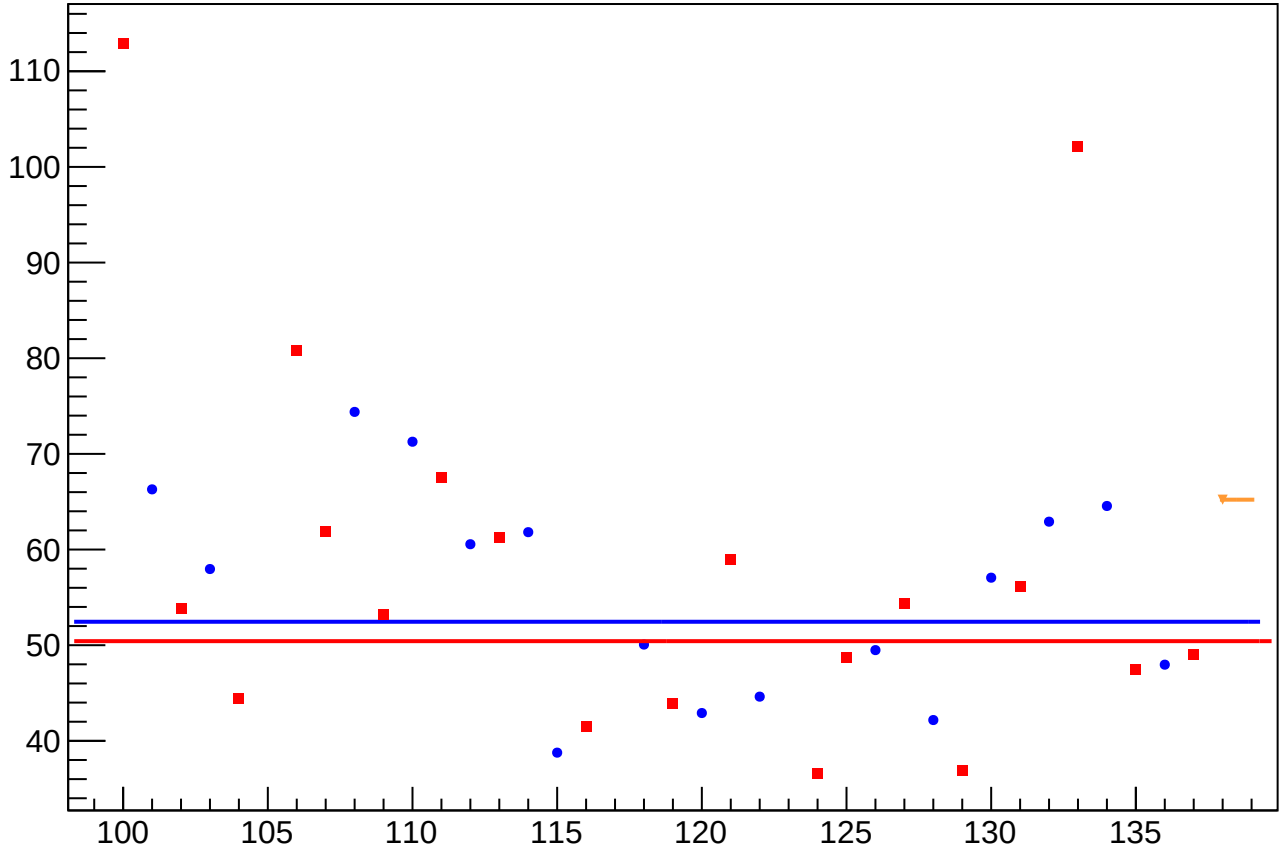
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.026+/-0.020 χ^2/NDF:9.9/15

Out: -0.014+/-0.019 χ^2/NDF:15.2/19

All: 0.005+/-0.014 χ^2/NDF: 27.3/35

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 65.213+/-0.056 χ^2/NDF:0.0/0

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 65.213+/-0.056 χ^2/NDF: 0.0/0

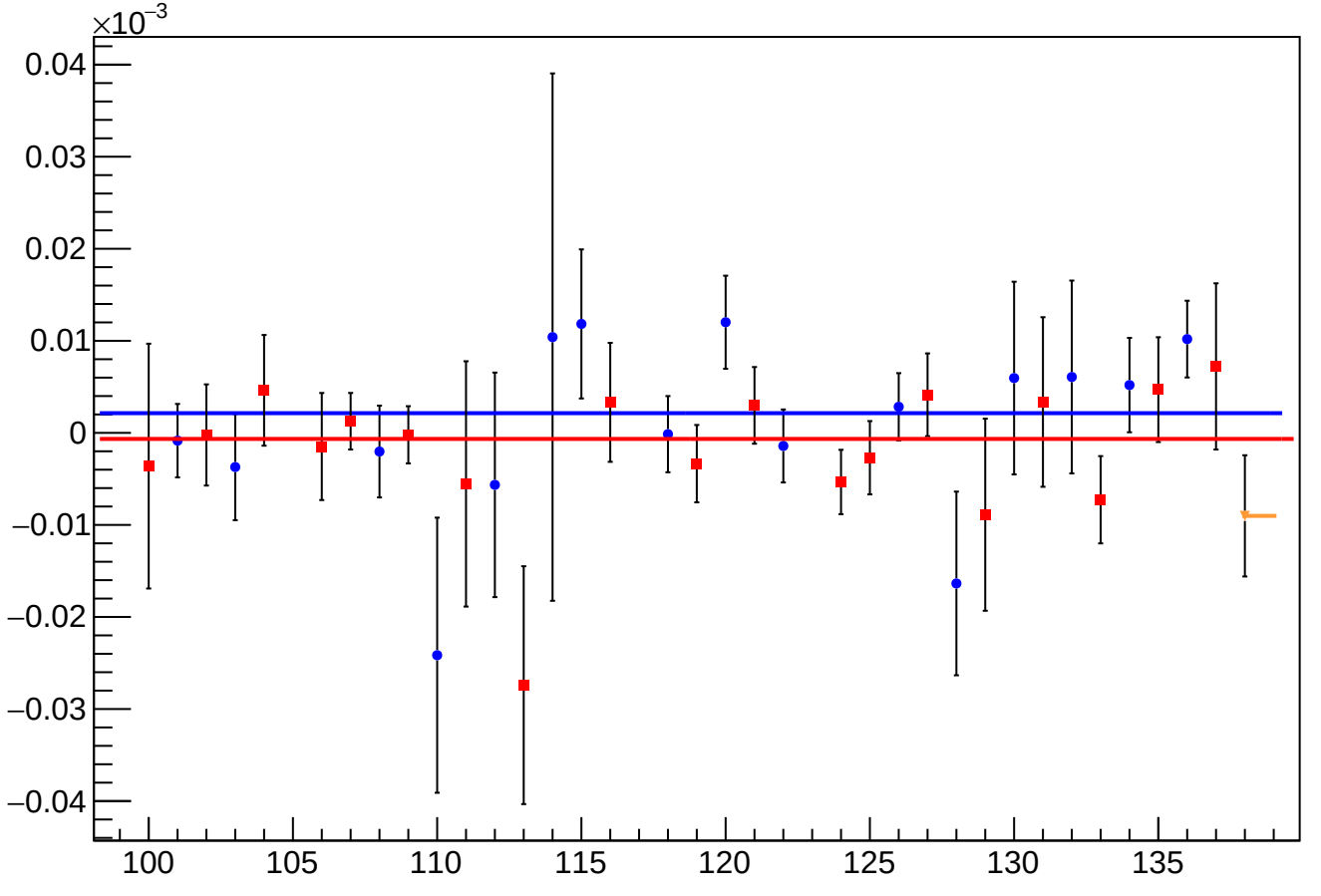
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 52.451+/-0.014 χ^2/NDF:418014.5/15

Out: 51.264+/-0.013 χ^2/NDF:742362.0/19

All: 51.813+/-0.010 χ^2/NDF: 1164013.6/35

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

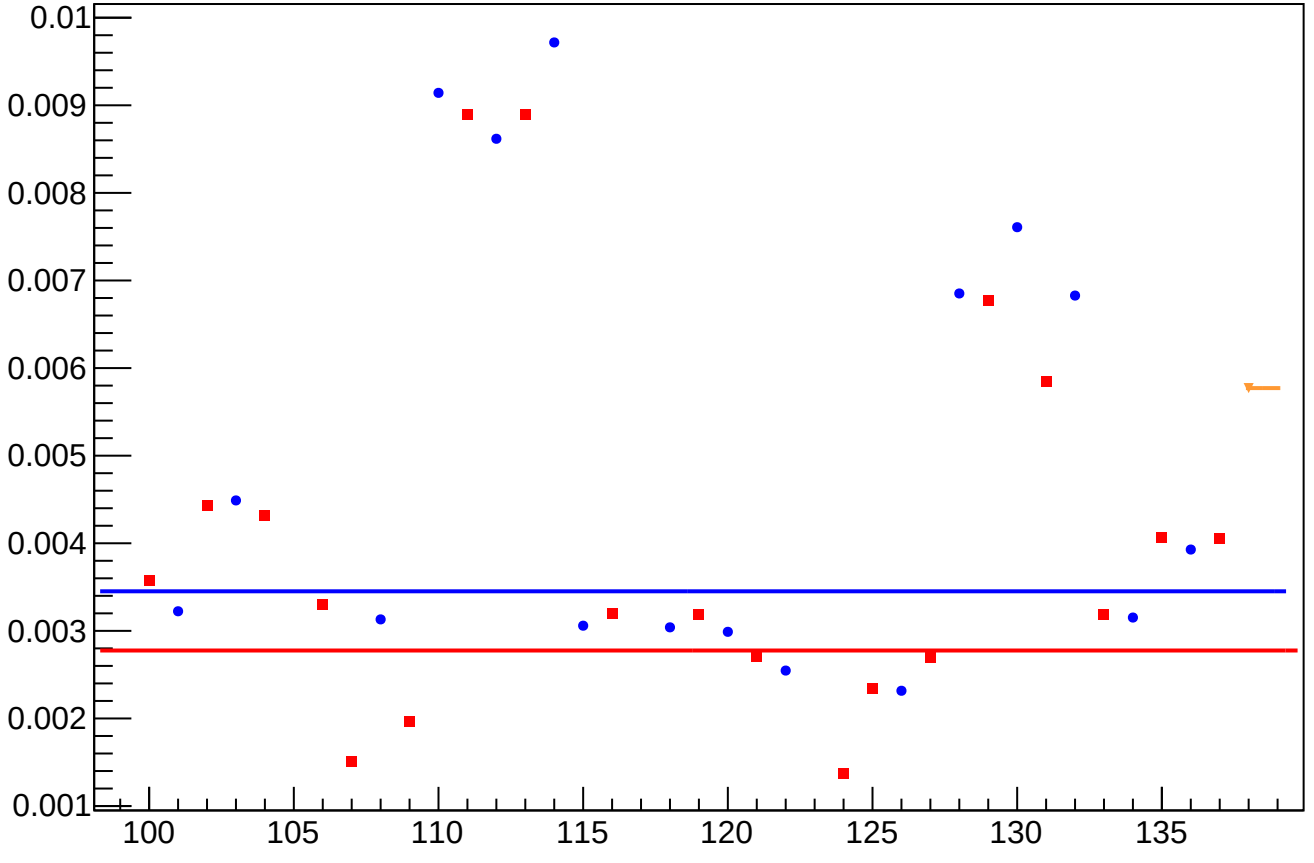
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:20.1/15

Out: -0.000+/-0.000 χ^2/NDF:16.4/19

All: 0.000+/-0.000 χ^2/NDF: 39.4/35

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: 0.006+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

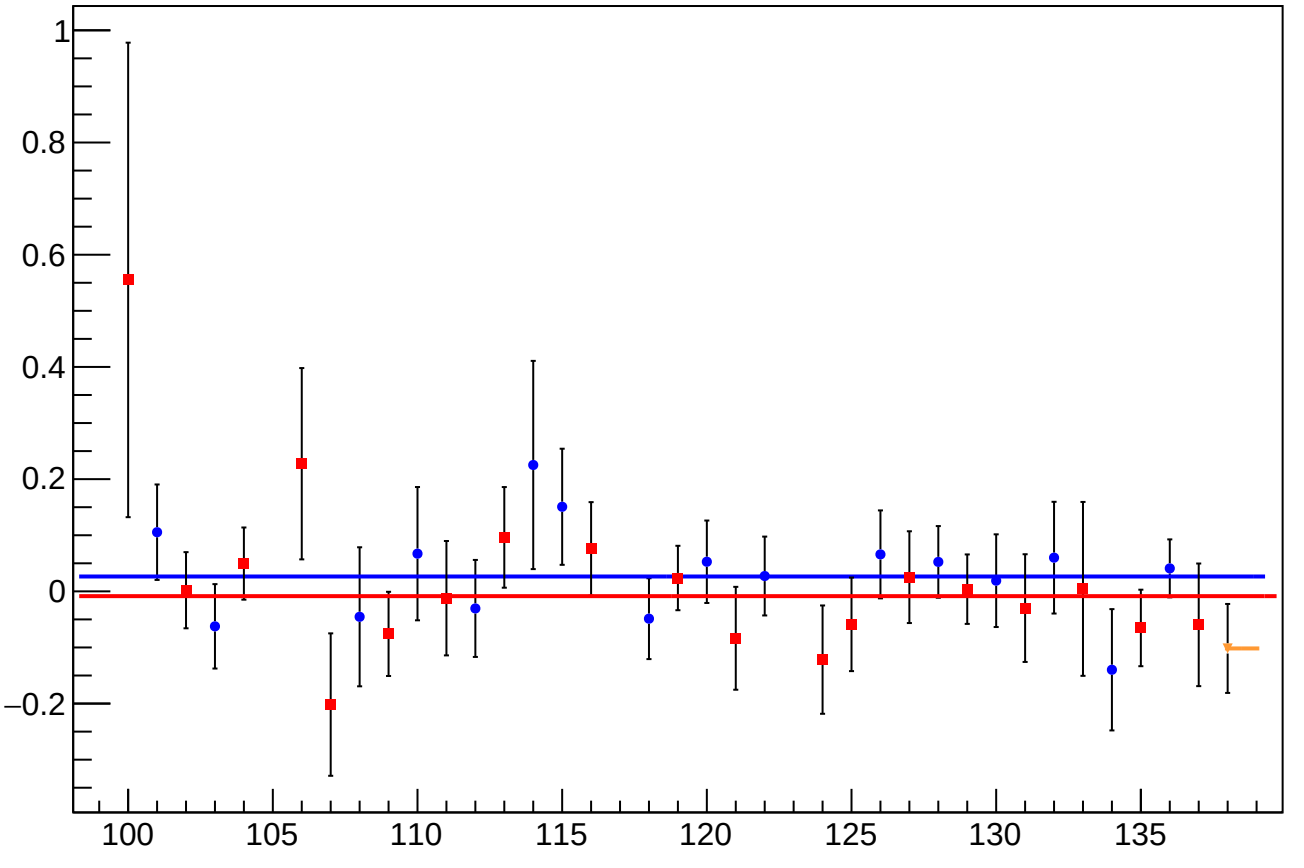
Left: 0.006+/-0.000 χ^2/NDF: 0.0/0

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:1951102.6/15

Out: 0.003+/-0.000 χ^2/NDF:3136678.6/19

All: 0.003+/-0.000 χ^2/NDF: 5303443.6/35



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.102+/-0.079 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.102+/-0.079 χ^2/NDF: 0.0/0

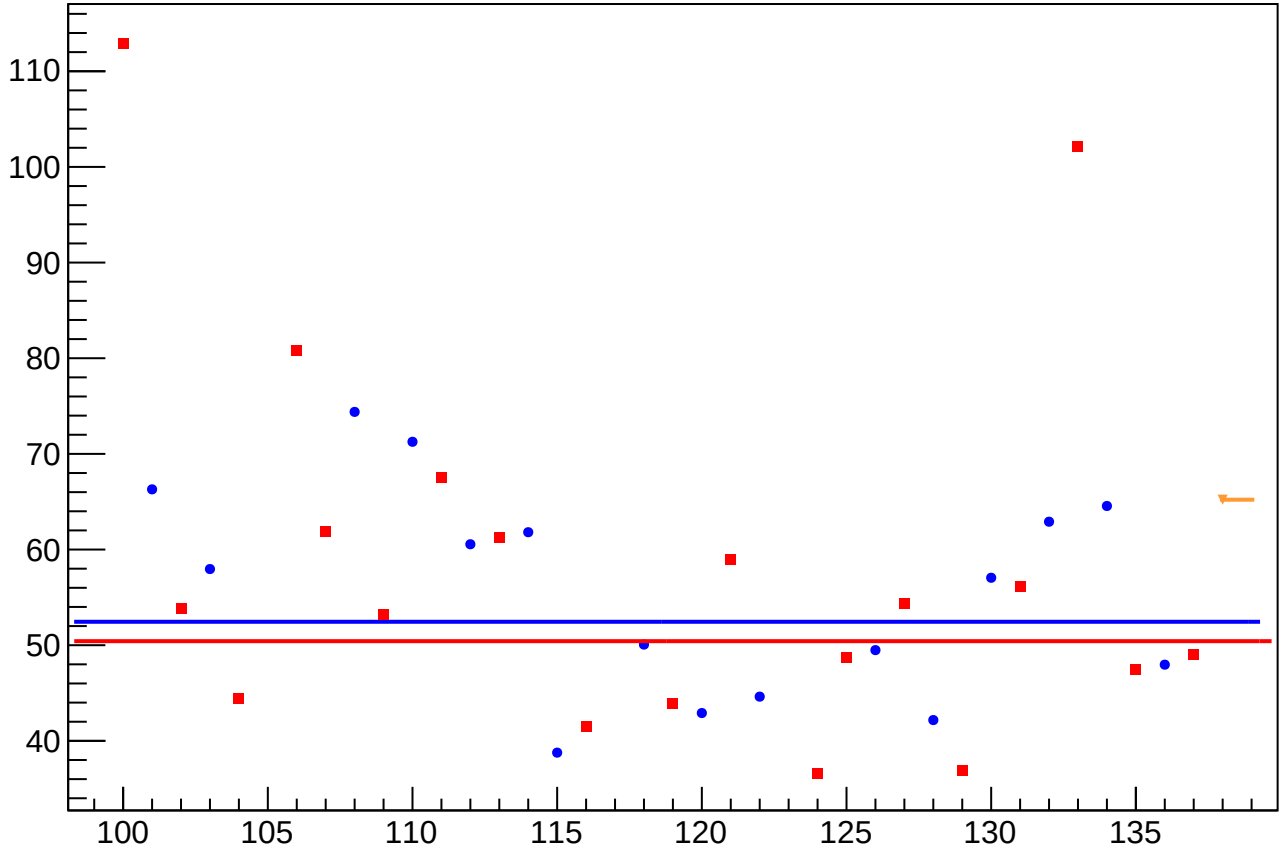
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.026+/-0.020 χ^2/NDF:9.9/15

Out: -0.014+/-0.019 χ^2/NDF:15.2/19

All: 0.005+/-0.014 χ^2/NDF: 27.3/35

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: 65.211+/-0.056 χ^2/NDF:0.0/0

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

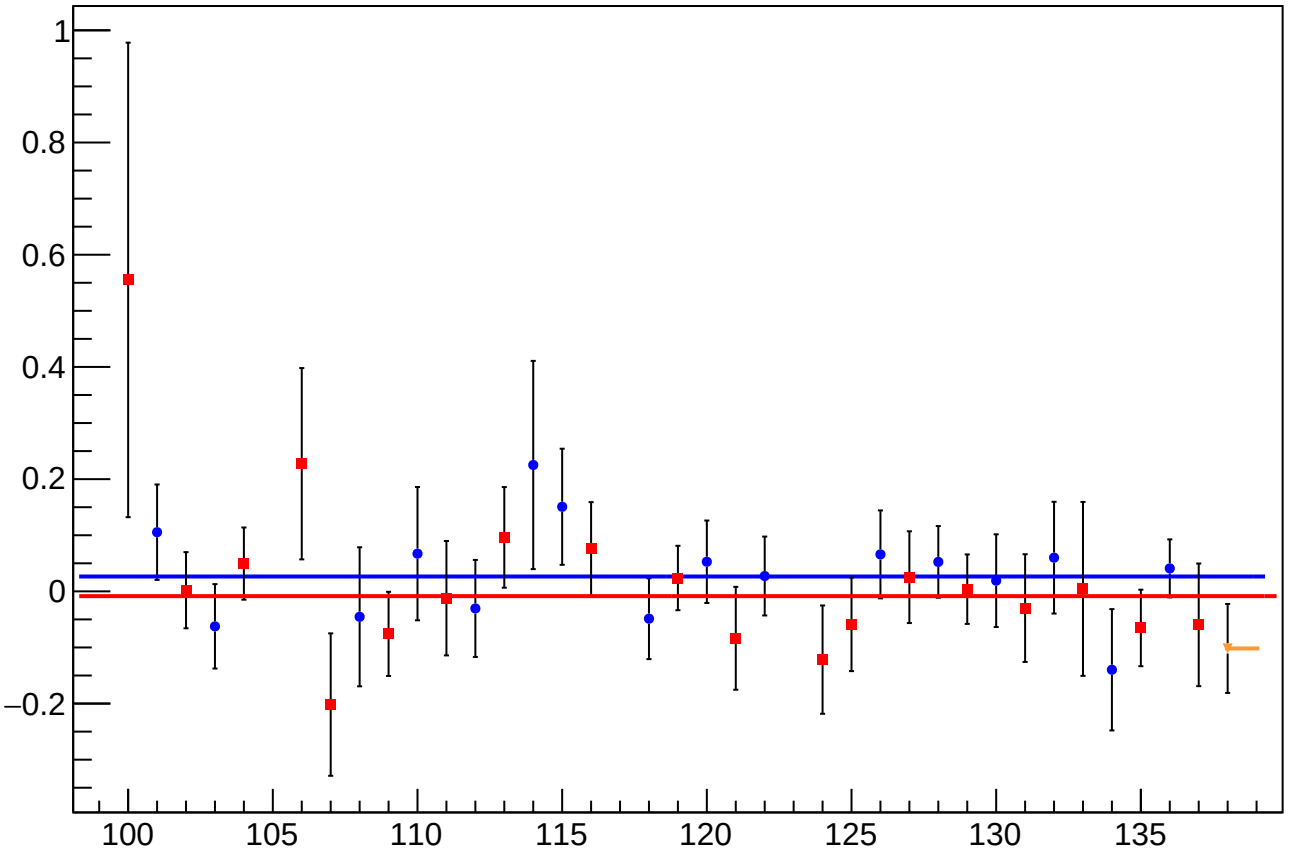
Left: 65.211+/-0.056 χ^2/NDF: 0.0/0

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 52.450+/-0.014 χ^2/NDF:417967.5/15

Out: 51.263+/-0.013 χ^2/NDF:742365.6/19

All: 51.812+/-0.010 χ^2/NDF: 1163970.4/35



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.102+/-0.079 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.102+/-0.079 χ^2/NDF: 0.0/0

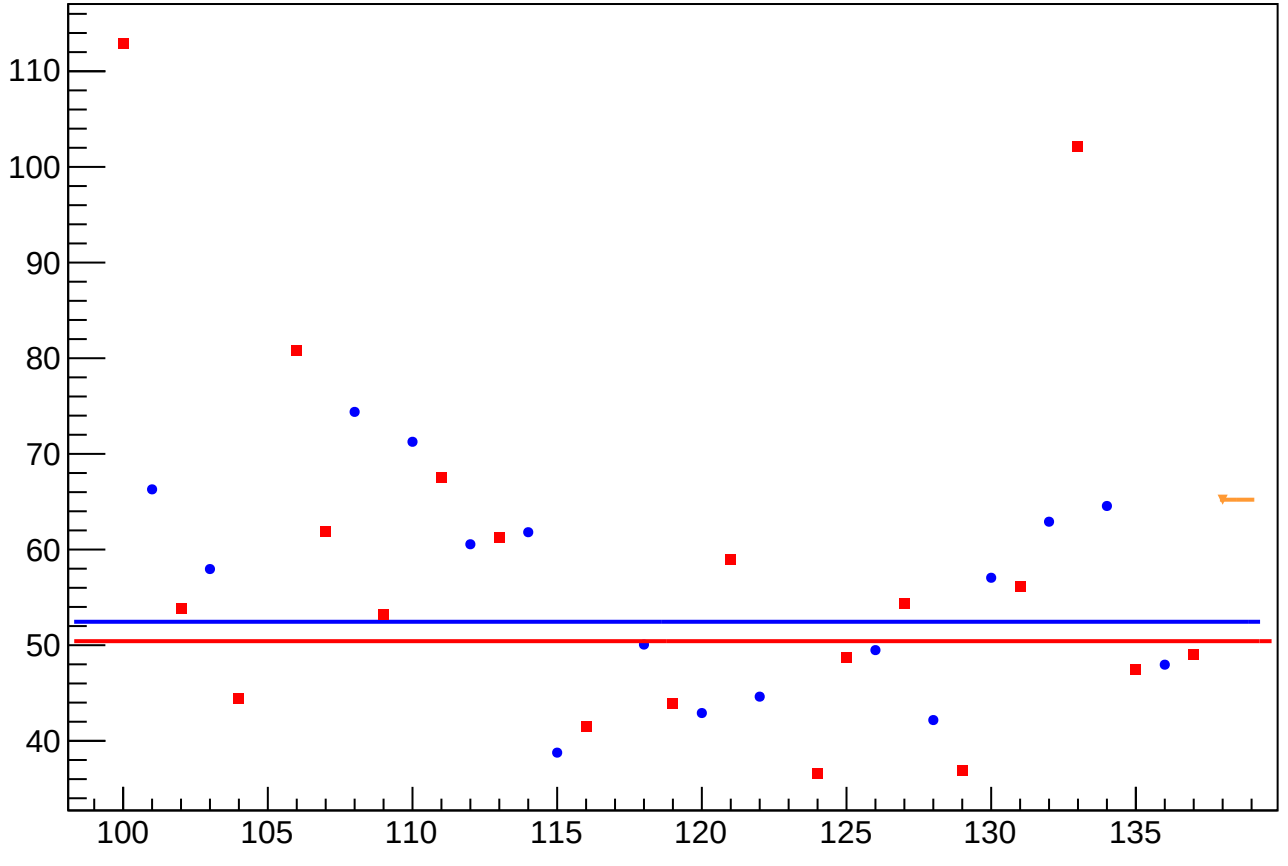
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.026+/-0.020 χ^2/NDF:9.9/15

Out: -0.014+/-0.019 χ^2/NDF:15.2/19

All: 0.005+/-0.014 χ^2/NDF: 27.3/35

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 65.211+/-0.056 χ^2/NDF:0.0/0

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

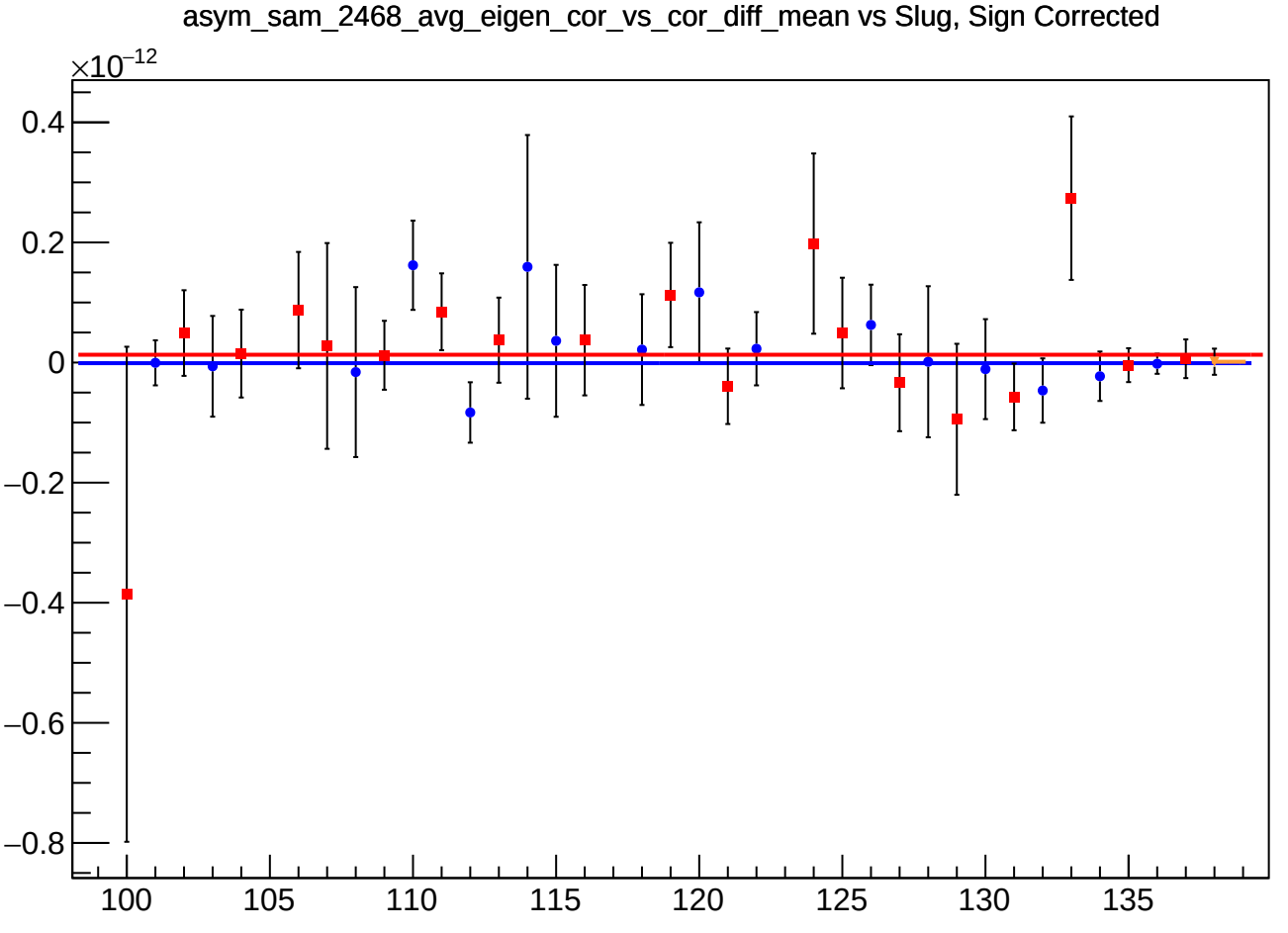
Left: 65.211+/-0.056 χ^2/NDF: 0.0/0

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 52.450+/-0.014 χ^2/NDF:417967.5/15

Out: 51.263+/-0.013 χ^2/NDF:742365.6/19

All: 51.812+/-0.010 χ^2/NDF: 1163970.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

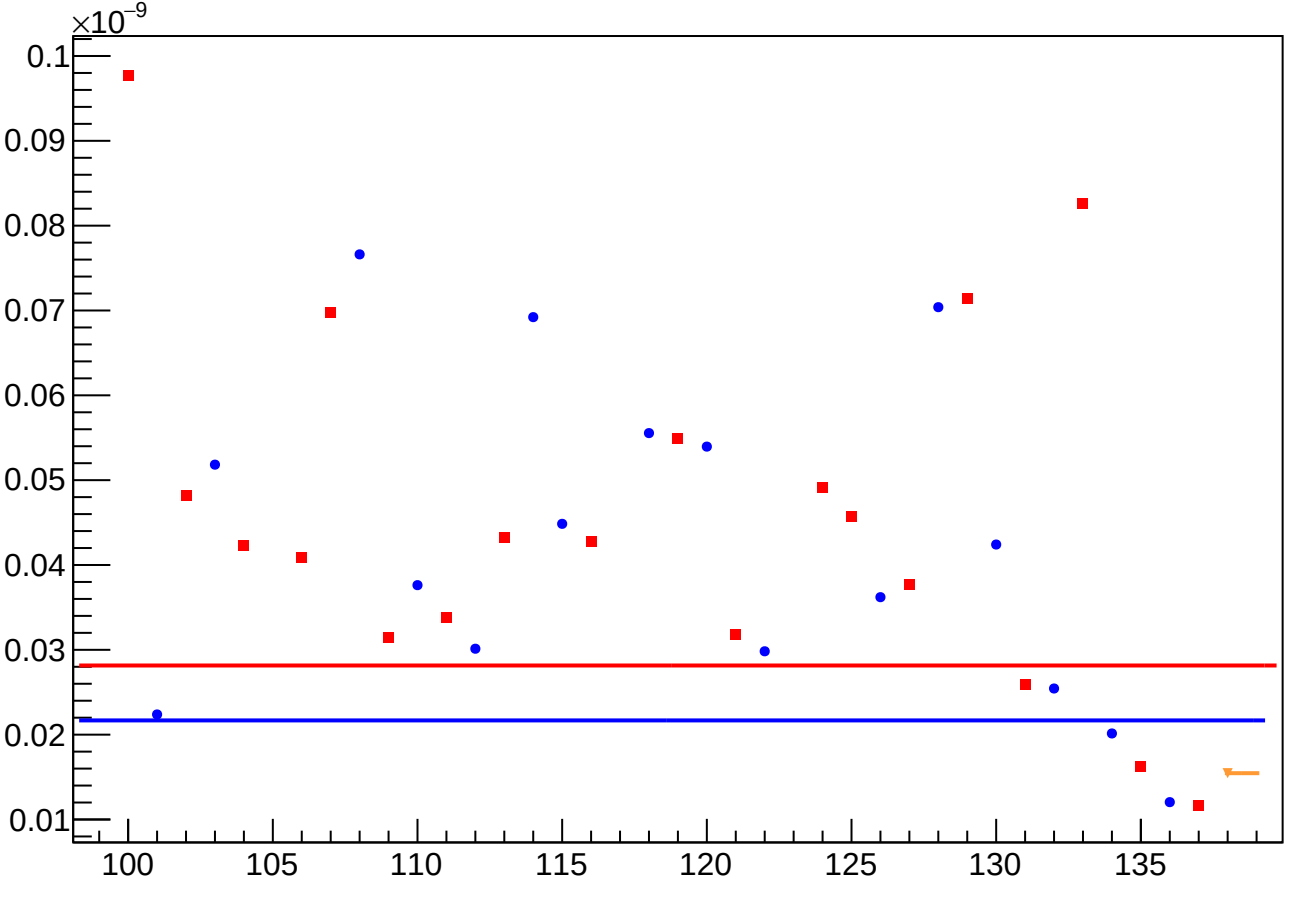
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:11.3/15

Out: 0.000+/-0.000 χ^2/NDF:13.9/19

All: 0.000+/-0.000 χ^2/NDF: 25.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

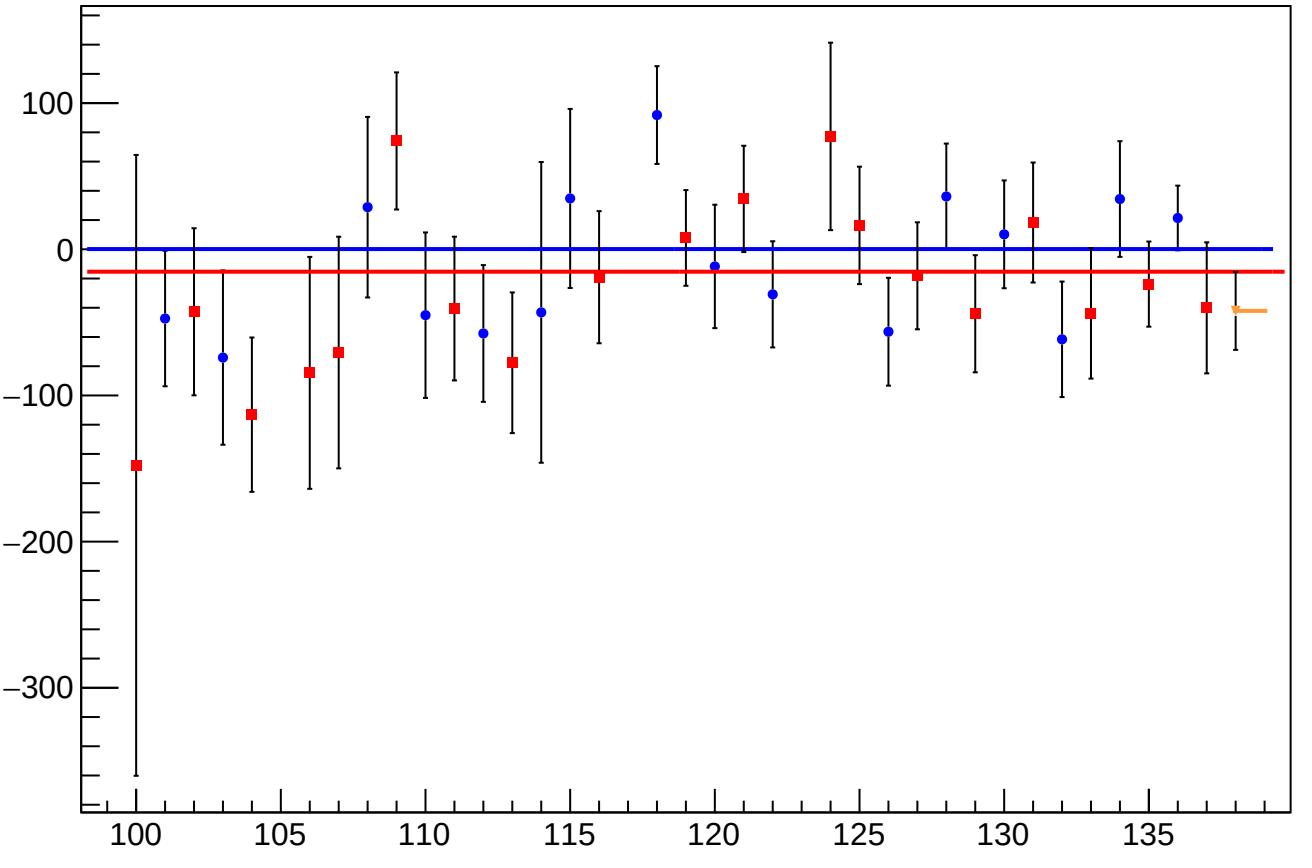
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:2522749.6/15

Out: 0.000+/-0.000 χ^2/NDF:2852167.3/19

All: 0.000+/-0.000 χ^2/NDF: 5420847.0/35



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -42.135+/-26.674 χ^2/NDF:0.0/0

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

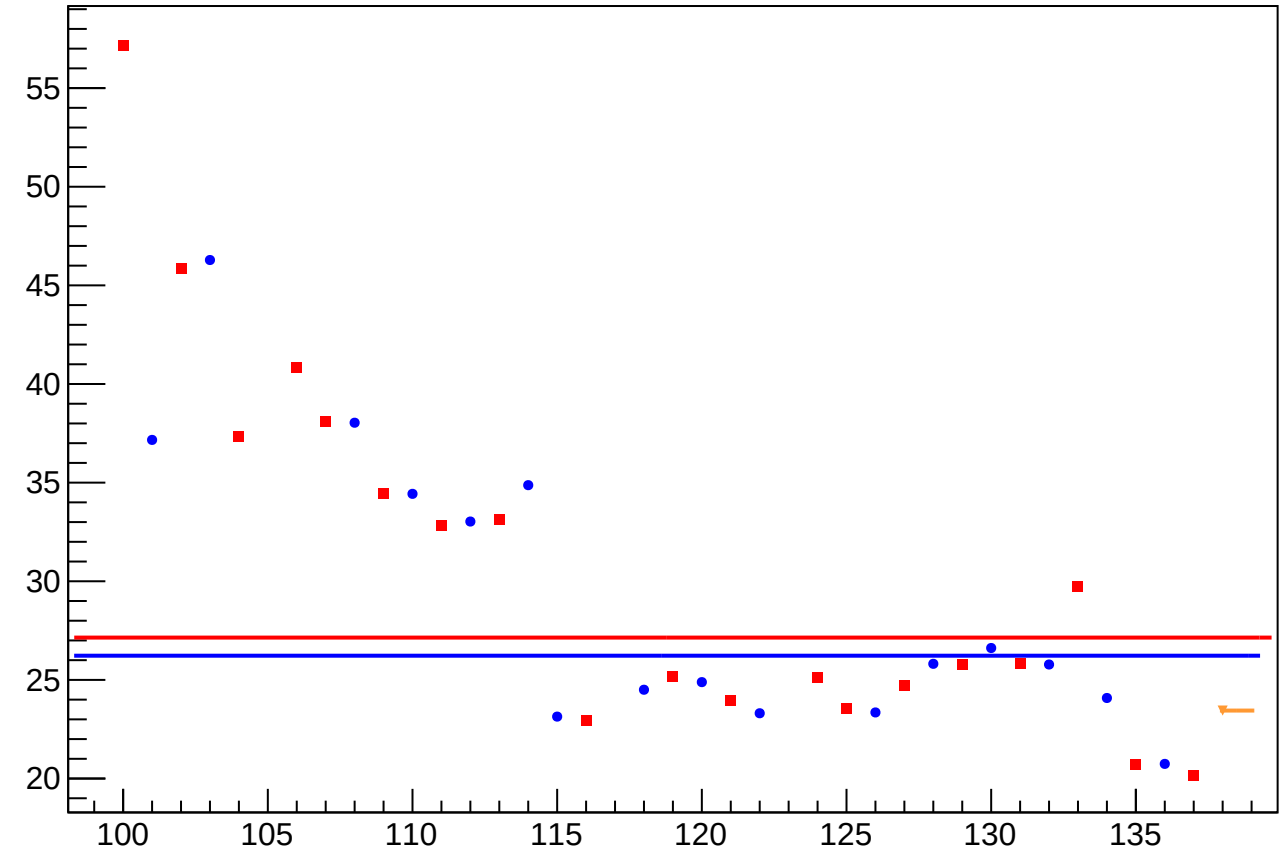
Left: -42.135+/-26.674 χ^2/NDF: 0.0/0

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: 0.155+/-10.048 χ^2/NDF:21.3/15

Out: -18.791+/-9.582 χ^2/NDF:18.8/19

All: -9.768+/-6.934 χ^2/NDF: 42.0/35



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 23.446+/-0.019 χ^2/NDF:0.0/0

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 23.446+/-0.019 χ^2/NDF: 0.0/0

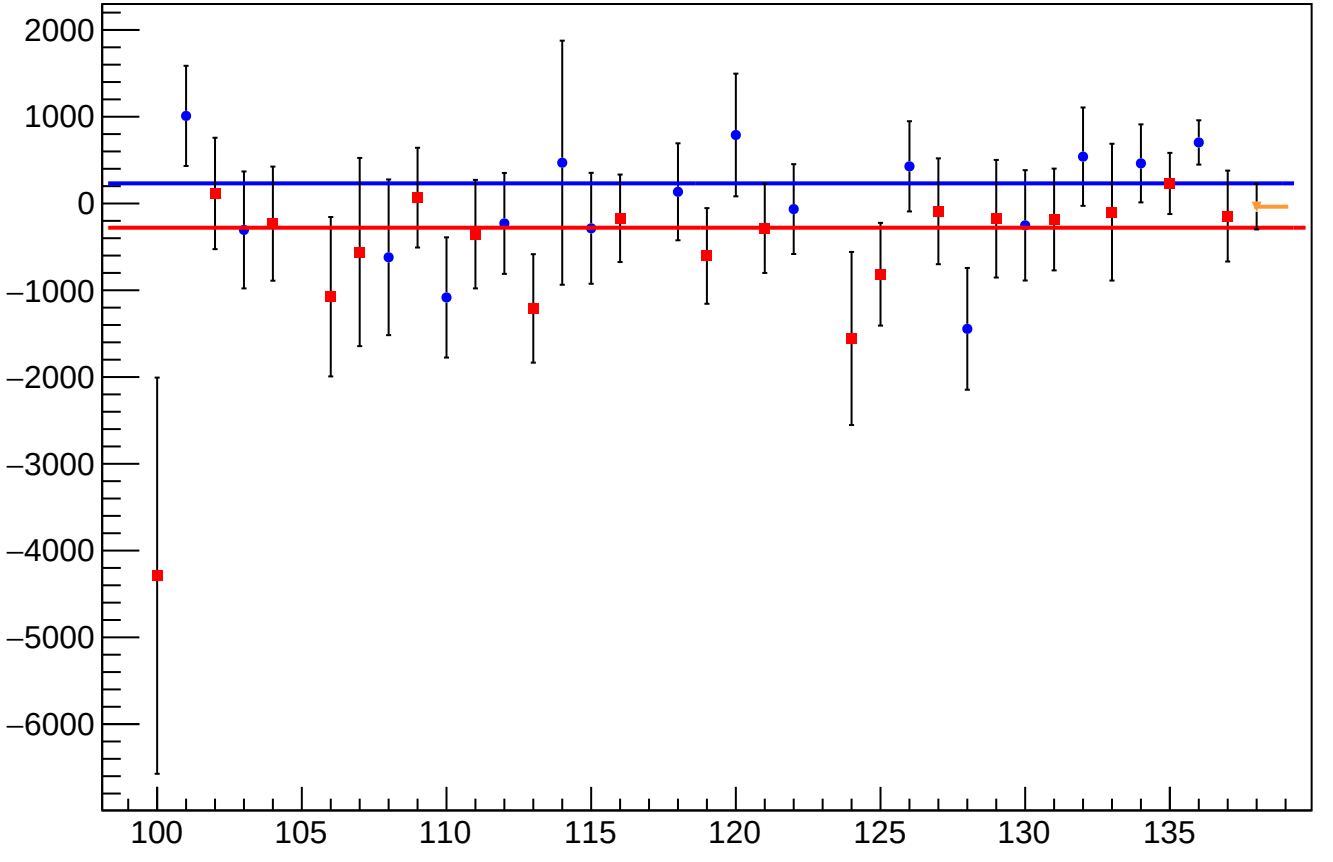
Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 26.227+/-0.007 χ^2/NDF:676026.2/15

Out: 26.668+/-0.007 χ^2/NDF:788928.8/19

All: 26.458+/-0.005 χ^2/NDF: 1466973.5/35

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: -36.774+/-261.987 χ^2/NDF:0.0/0

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -36.774+/-261.987 χ^2/NDF: 0.0/0

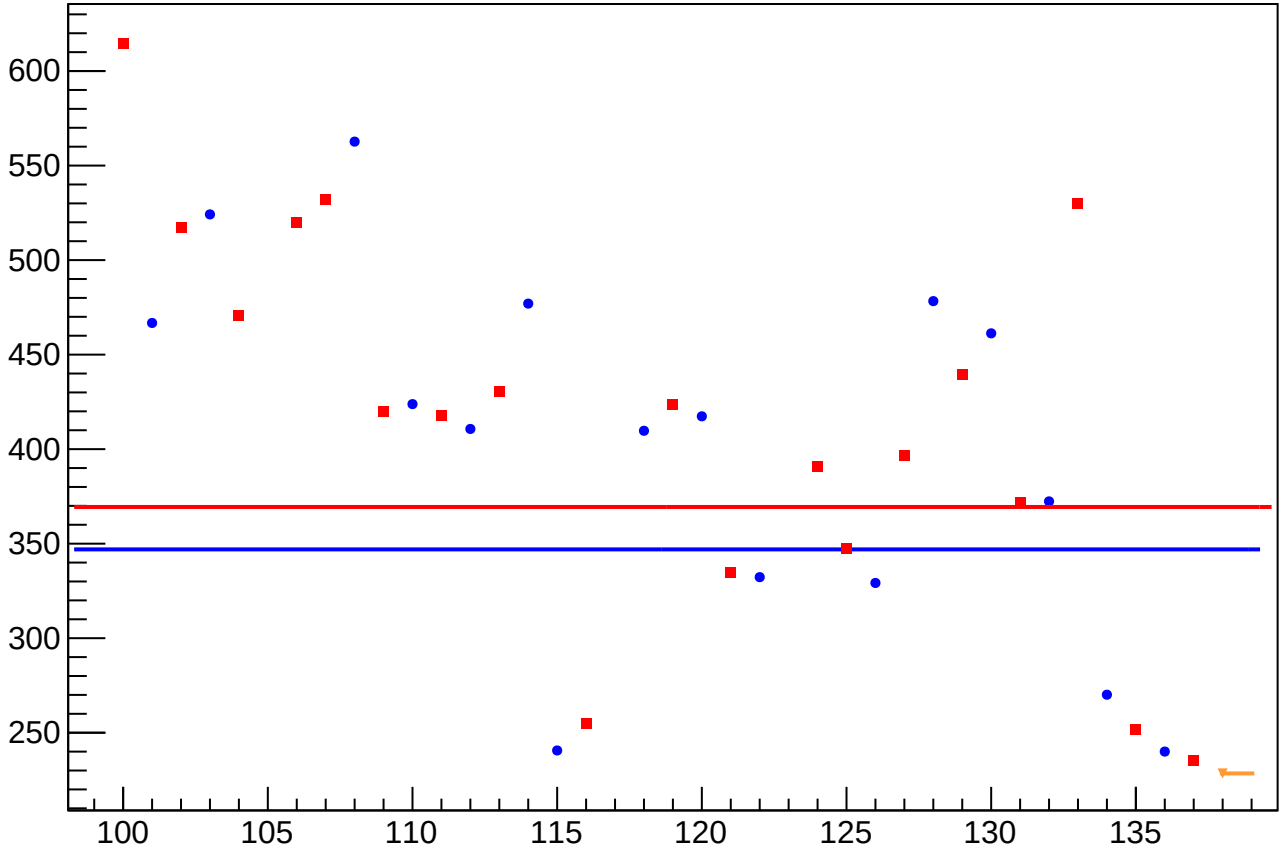
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 232.092+/-134.871 χ^2/NDF:19.6/15

Out: -225.248+/-123.452 χ^2/NDF:12.7/19

All: -16.755+/-91.064 χ^2/NDF: 38.7/35

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: 228.452+/-0.185 χ^2/NDF:0.0/0

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

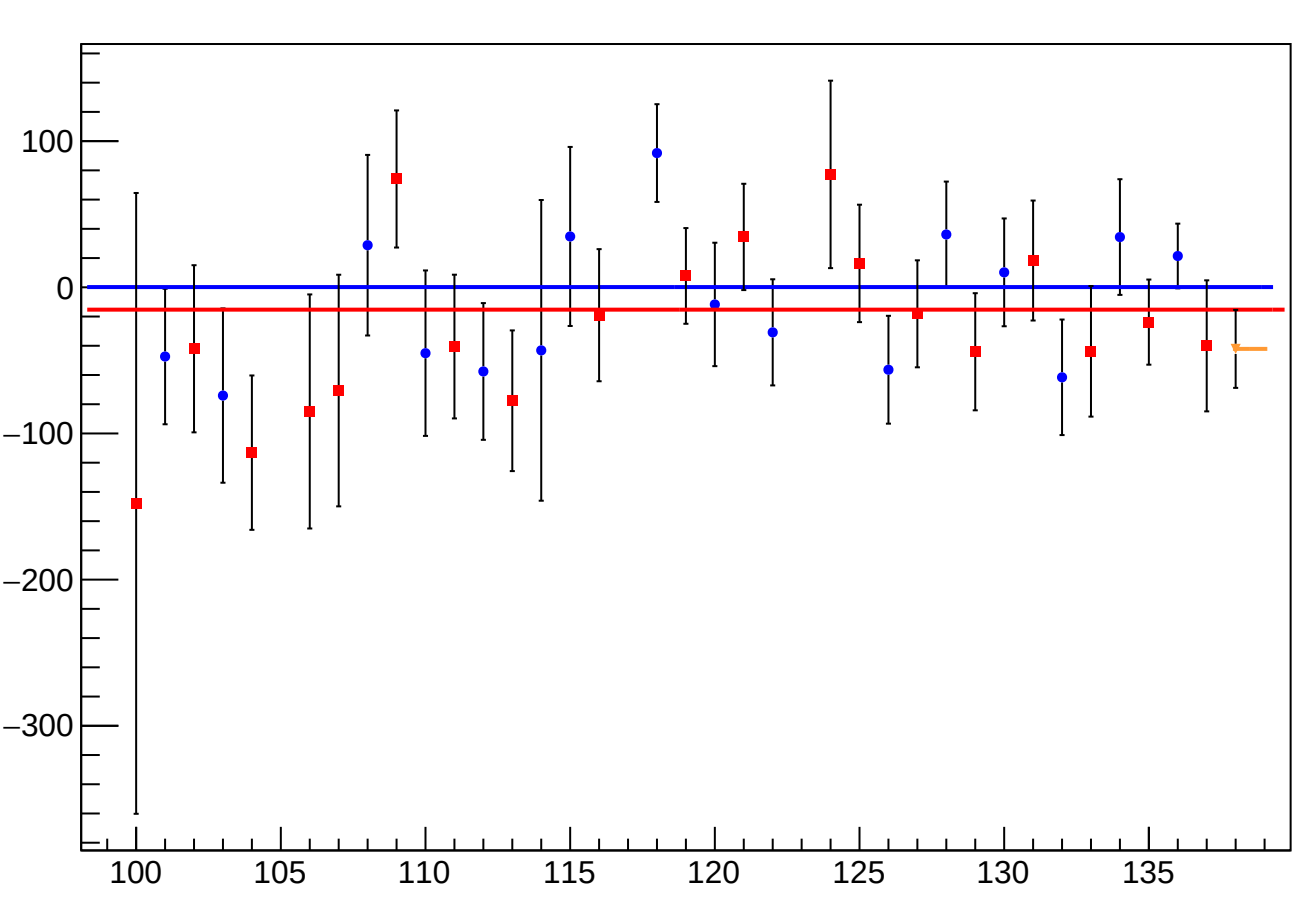
Left: 228.452+/-0.185 χ^2/NDF: 0.0/0

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 346.969+/-0.095 χ^2/NDF:1058029.4/15

Out: 338.112+/-0.087 χ^2/NDF:1369264.9/19

All: 342.150+/-0.064 χ^2/NDF: 2431988.0/35



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -42.135+/-26.674 χ^2/NDF:0.0/0

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

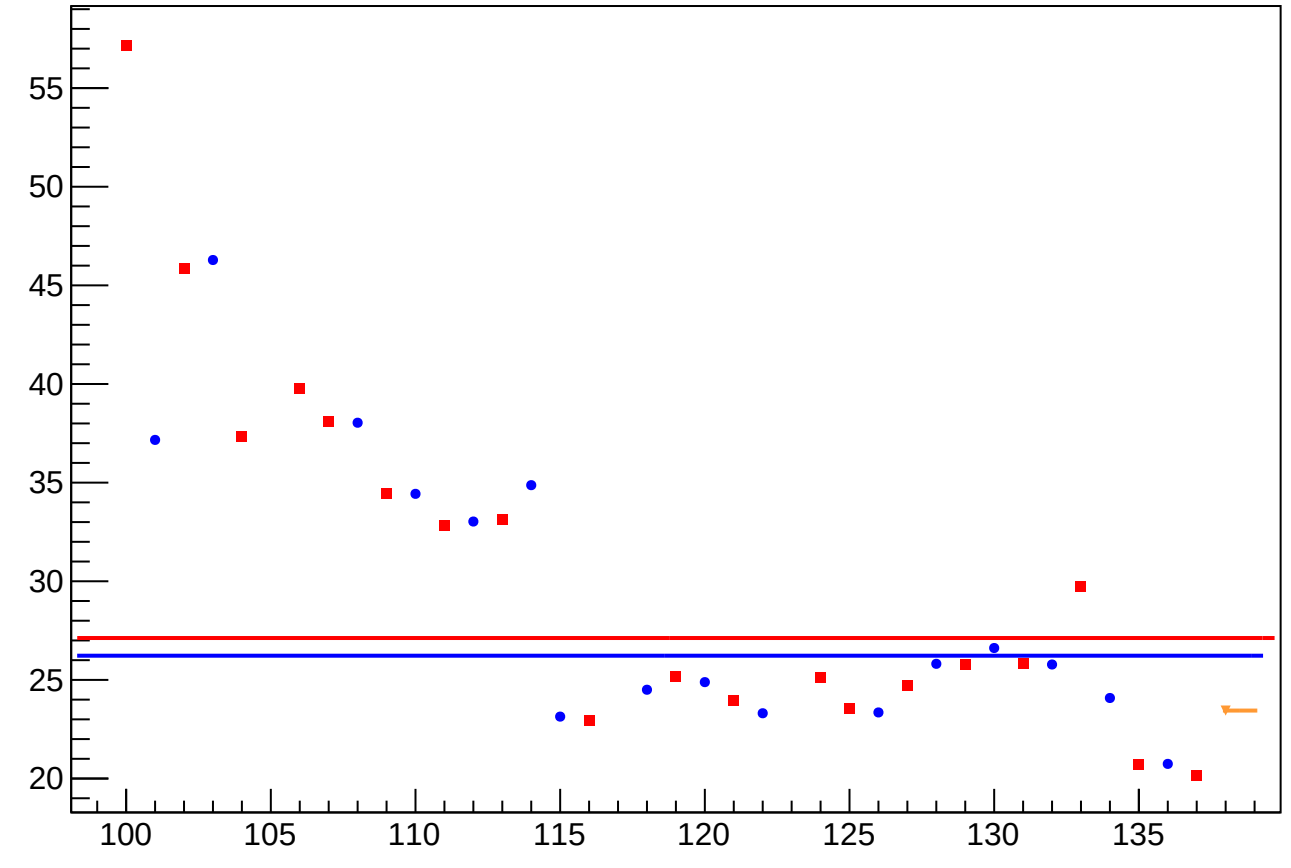
Left: -42.135+/-26.674 χ^2/NDF: 0.0/0

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: 0.157+/-10.048 χ^2/NDF:21.3/15

Out: -18.756+/-9.583 χ^2/NDF:18.8/19

All: -9.747+/-6.935 χ^2/NDF: 42.0/35



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 23.446+/-0.019 χ^2/NDF:0.0/0

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 23.446+/-0.019 χ^2/NDF: 0.0/0

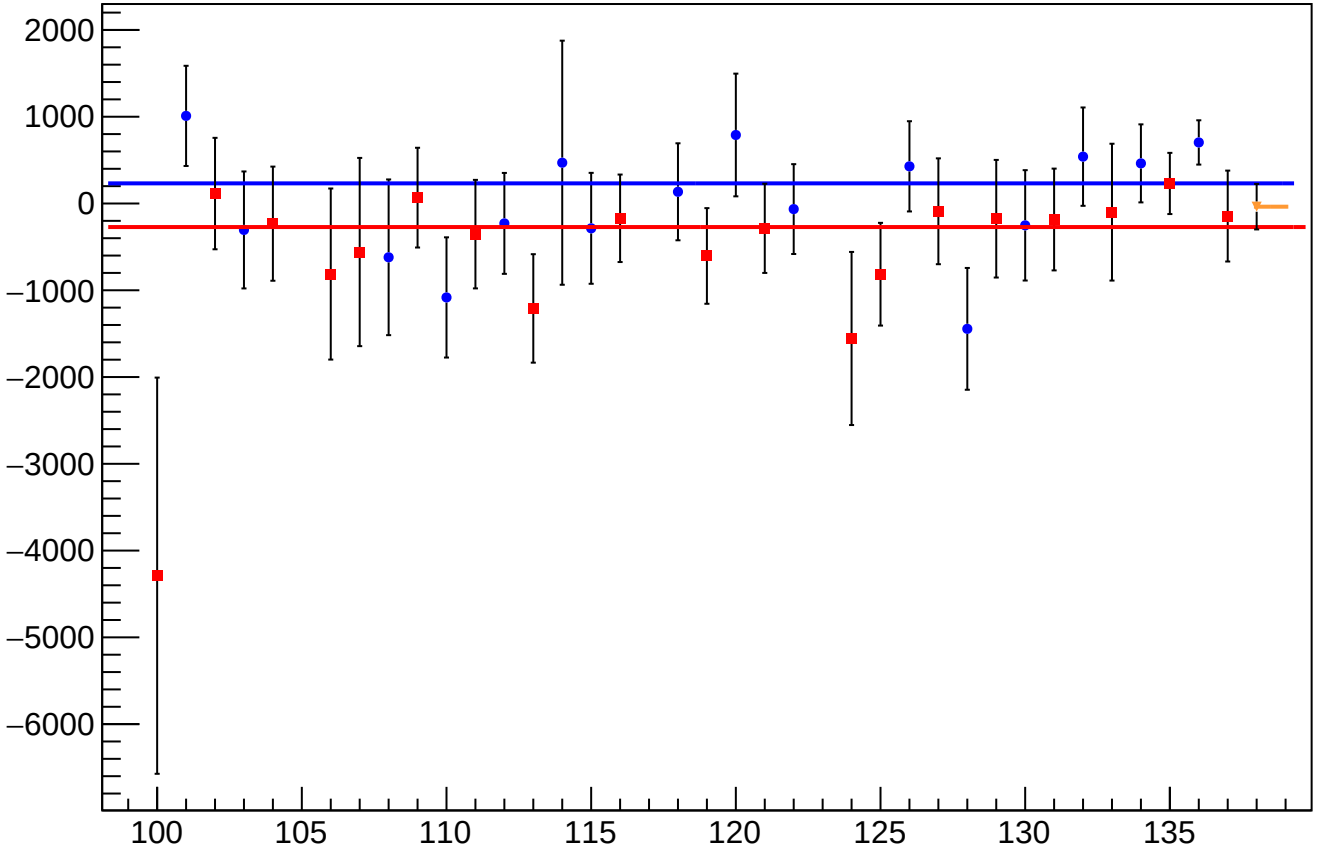
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 26.227+/-0.007 χ^2/NDF:676029.5/15

Out: 26.649+/-0.007 χ^2/NDF:778787.3/19

All: 26.448+/-0.005 χ^2/NDF: 1456663.0/35

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: -36.775+/-261.987 χ^2/NDF:0.0/0

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -36.775+/-261.987 χ^2/NDF: 0.0/0

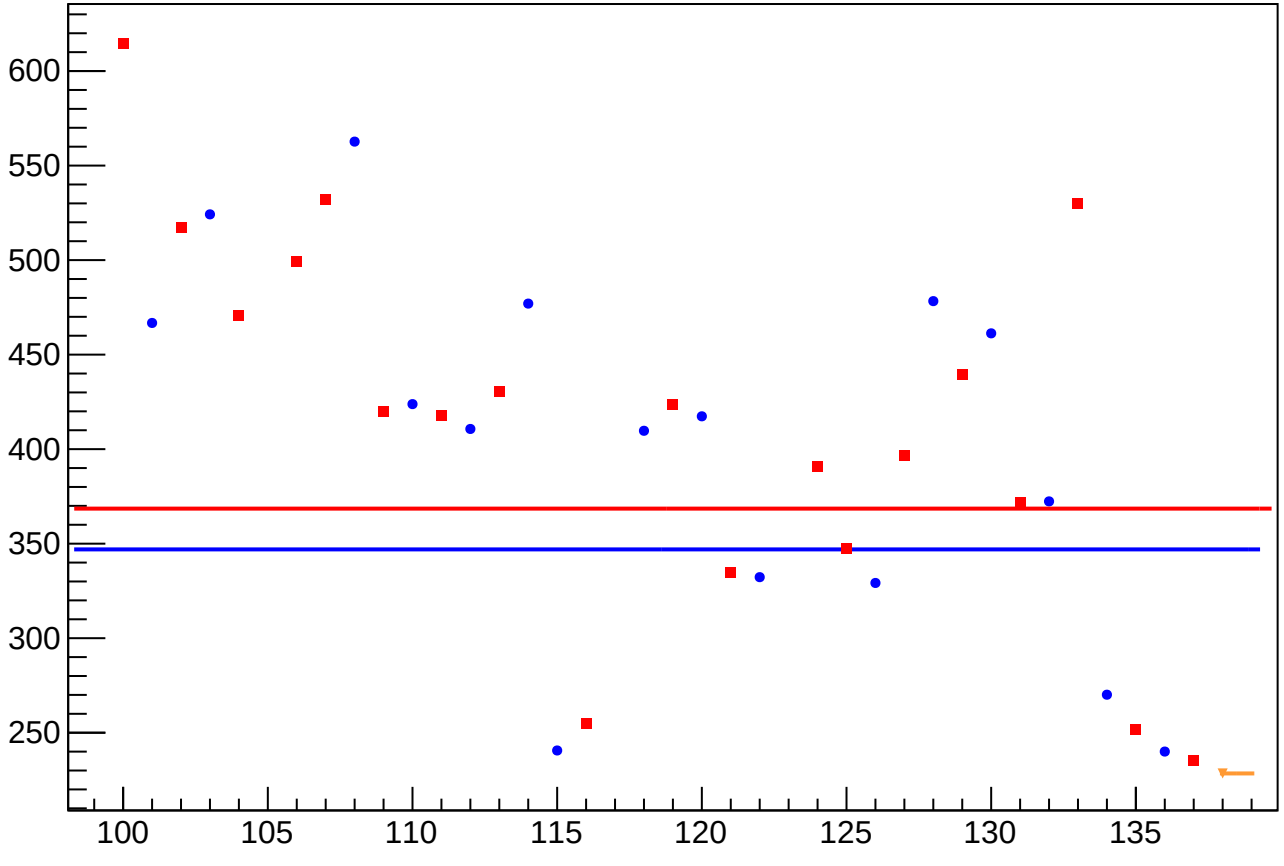
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 232.084+/-134.871 χ^2/NDF:19.6/15

Out: -219.186+/-123.601 χ^2/NDF:12.2/19

All: -13.191+/-91.123 χ^2/NDF: 38.0/35

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 228.452+/-0.185 χ^2/NDF:0.0/0

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

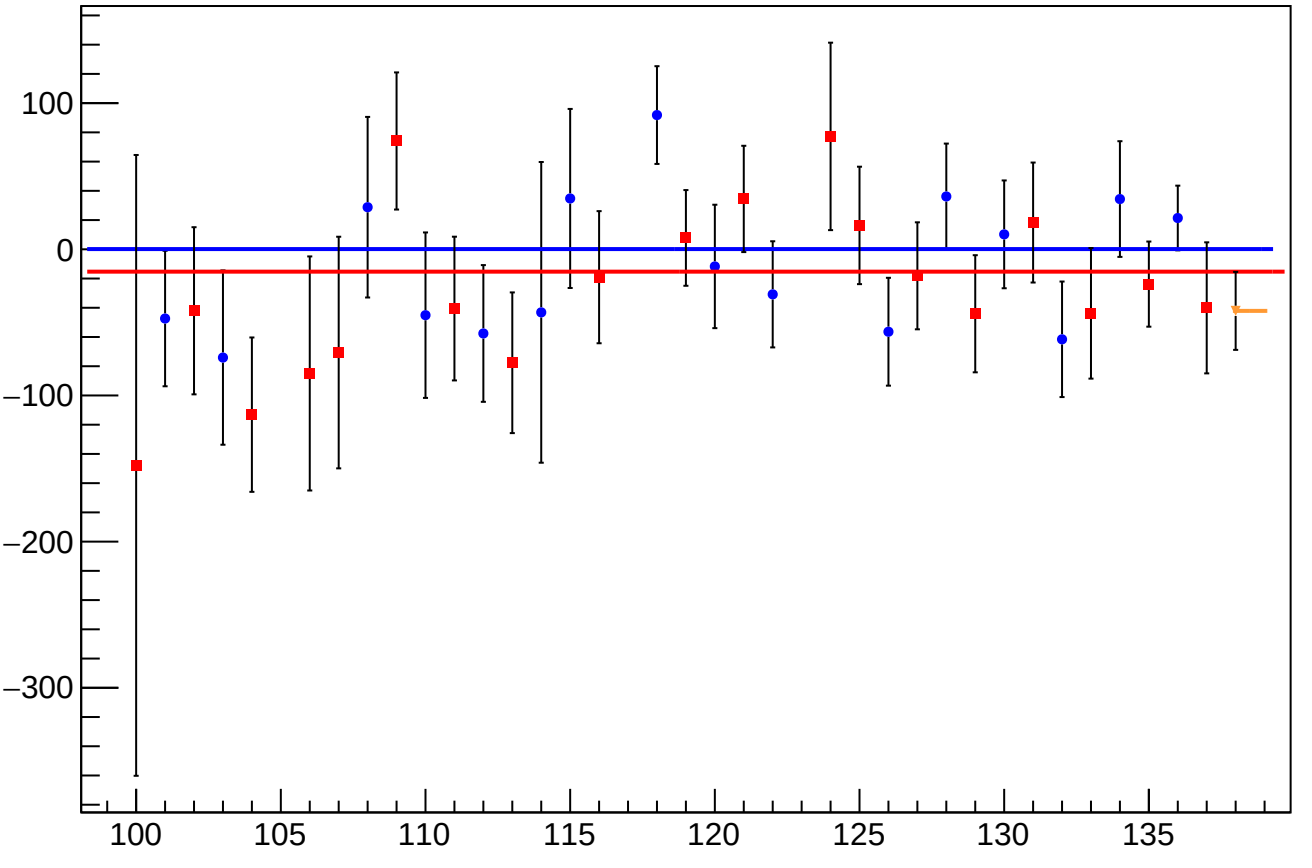
Left: 228.452+/-0.185 χ^2/NDF: 0.0/0

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 346.969+/-0.095 χ^2/NDF:1058057.4/15

Out: 337.362+/-0.087 χ^2/NDF:1344802.1/19

All: 341.747+/-0.064 χ^2/NDF: 2408375.8/35



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -42.135+/-26.674 χ^2/NDF:0.0/0

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

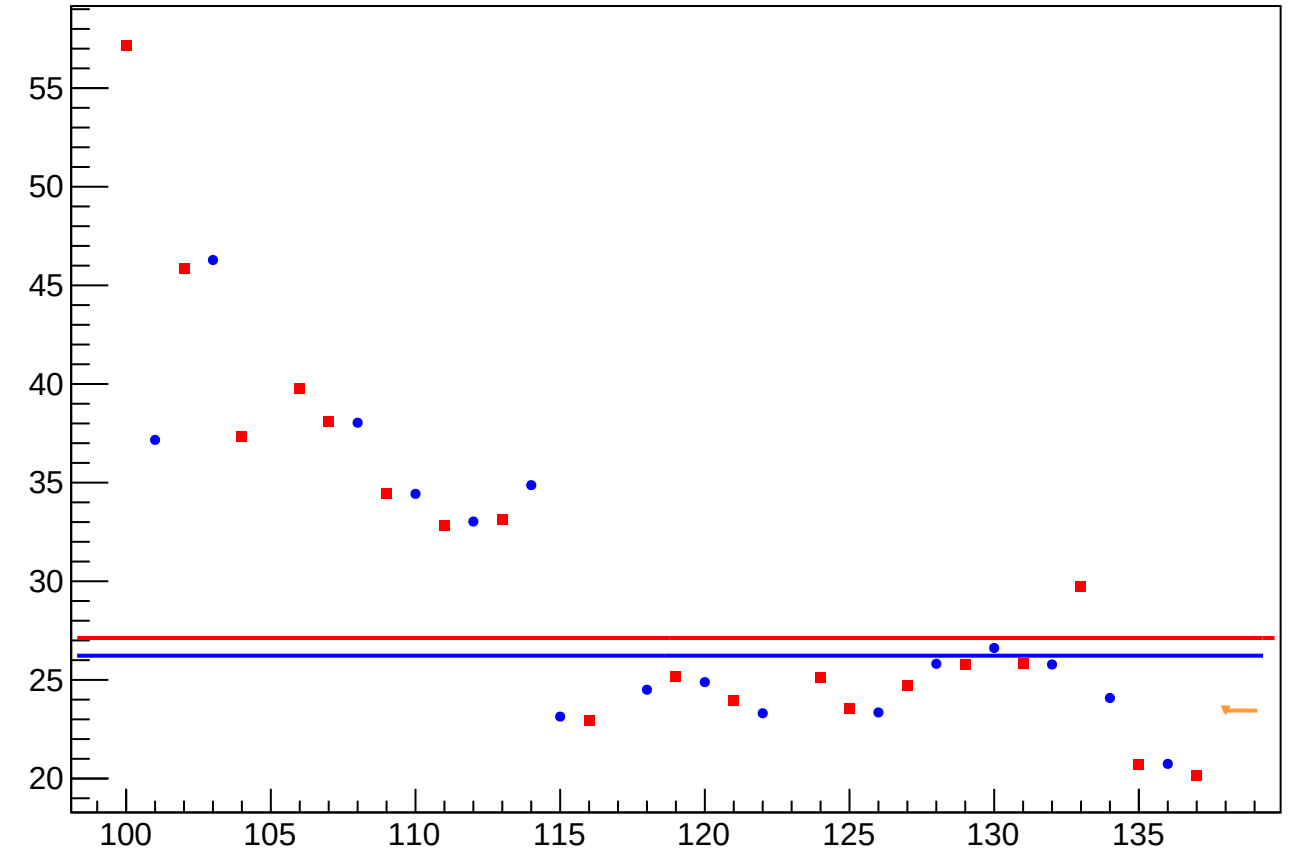
Left: -42.135+/-26.674 χ^2/NDF: 0.0/0

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: 0.157+/-10.048 χ^2/NDF:21.3/15

Out: -18.756+/-9.583 χ^2/NDF:18.8/19

All: -9.747+/-6.935 χ^2/NDF: 42.0/35



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 23.446+/-0.019 χ^2/NDF:0.0/0

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

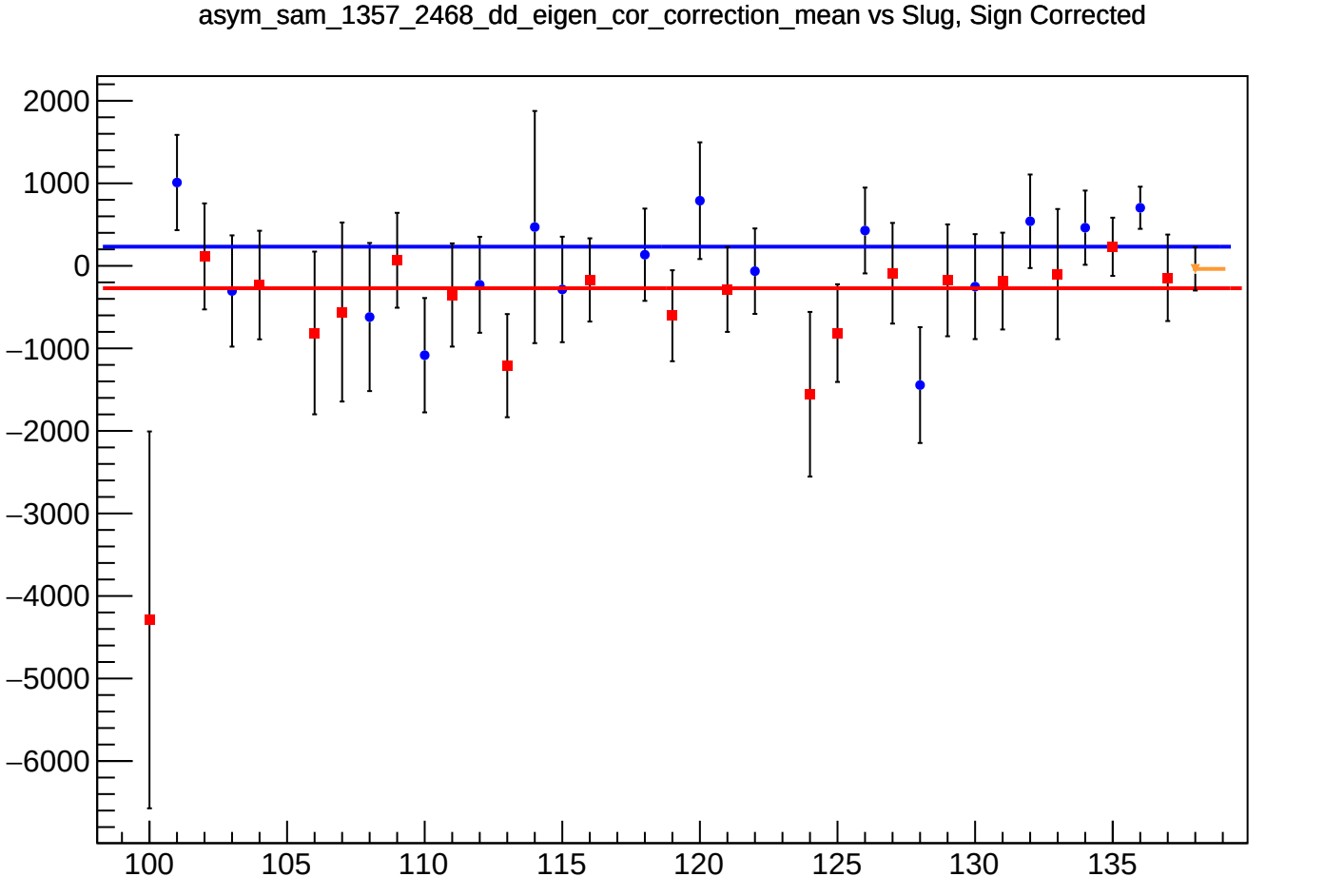
Left: 23.446+/-0.019 χ^2/NDF: 0.0/0

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 26.227+/-0.007 χ^2/NDF:676029.5/15

Out: 26.649+/-0.007 χ^2/NDF:778787.3/19

All: 26.448+/-0.005 χ^2/NDF: 1456663.0/35



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: -36.775+/-261.987 χ^2/NDF:0.0/0

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -36.775+/-261.987 χ^2/NDF: 0.0/0

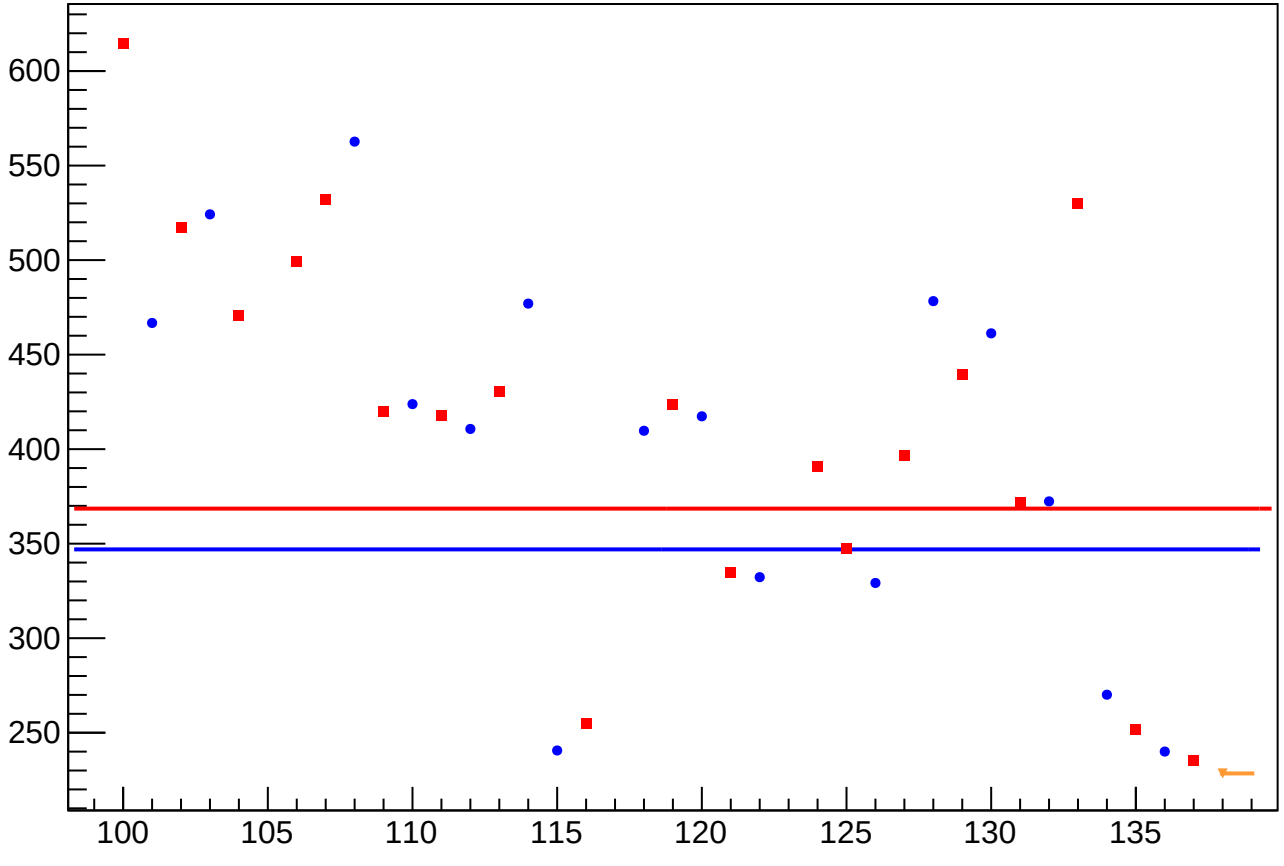
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 232.084+/-134.871 χ^2/NDF:19.6/15

Out: -219.186+/-123.601 χ^2/NDF:12.2/19

All: -13.191+/-91.123 χ^2/NDF: 38.0/35

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: 228.452+/-0.185 χ^2/NDF:0.0/0

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

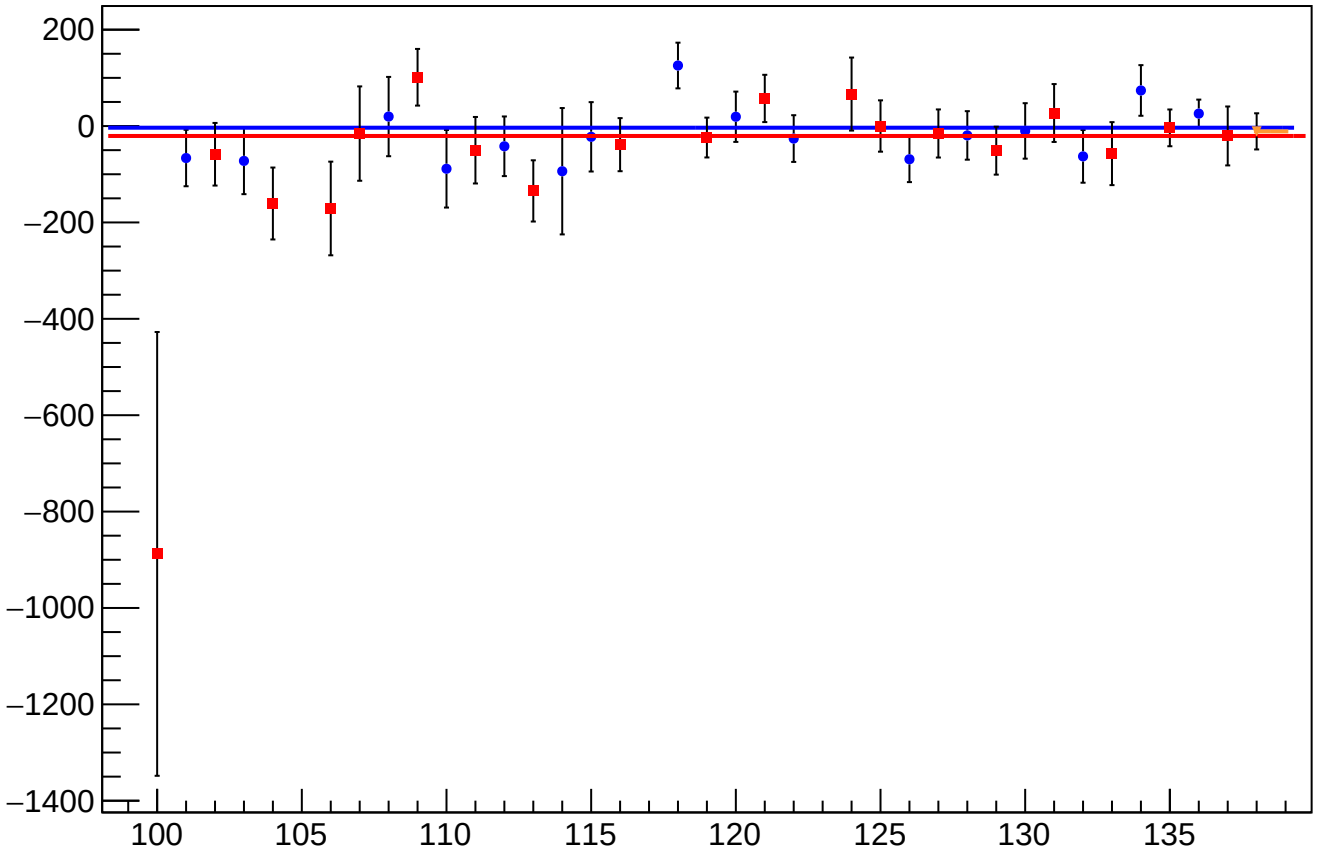
Left: 228.452+/-0.185 χ^2/NDF: 0.0/0

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 346.969+/-0.095 χ^2/NDF:1058057.4/15

Out: 337.362+/-0.087 χ^2/NDF:1344802.1/19

All: 341.747+/-0.064 χ^2/NDF: 2408375.8/35



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: -11.014+/-37.526 χ^2/NDF:0.0/0

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

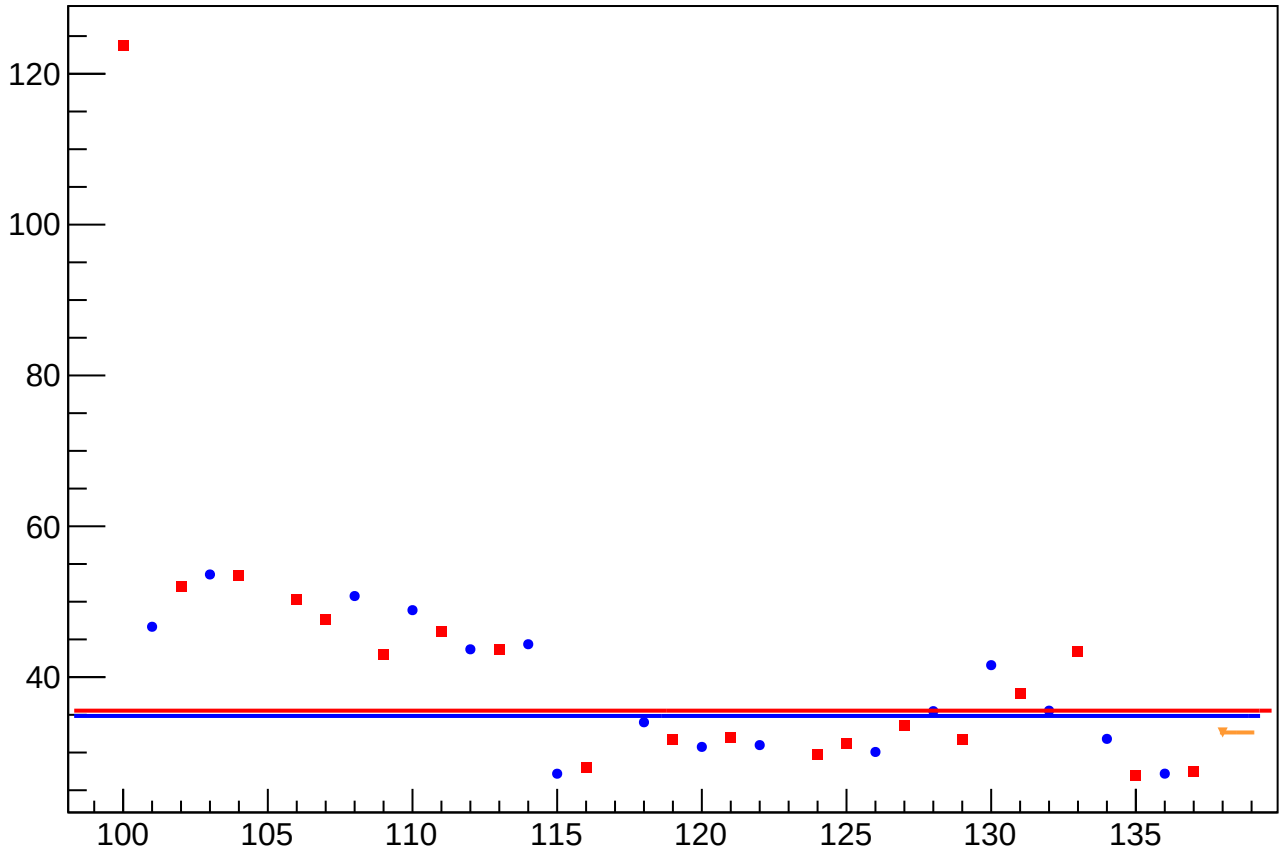
Left: -11.014+/-37.526 χ^2/NDF: 0.0/0

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -3.423+/-13.393 χ^2/NDF:18.5/15

Out: -19.478+/-12.682 χ^2/NDF:23.2/19

All: -11.888+/-9.208 χ^2/NDF: 42.4/35



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 32.660+/-0.027 χ^2/NDF:0.0/0

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

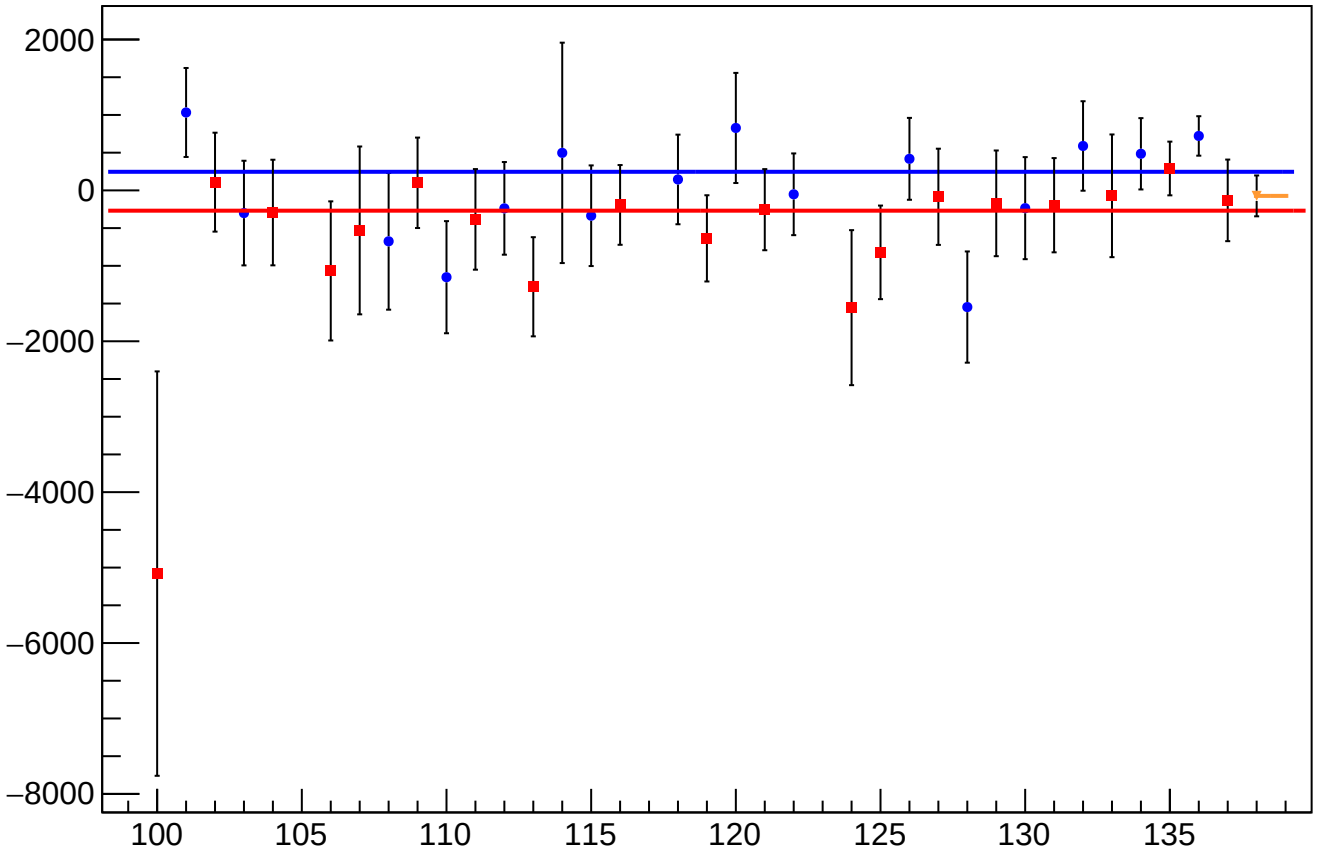
Left: 32.660+/-0.027 χ^2/NDF: 0.0/0

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 34.850+/-0.009 χ^2/NDF:658141.6/15

Out: 35.222+/-0.009 χ^2/NDF:790409.4/19

All: 35.047+/-0.007 χ^2/NDF: 1449364.6/35



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: -72.851+/-270.850 χ^2/NDF:0.0/0

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

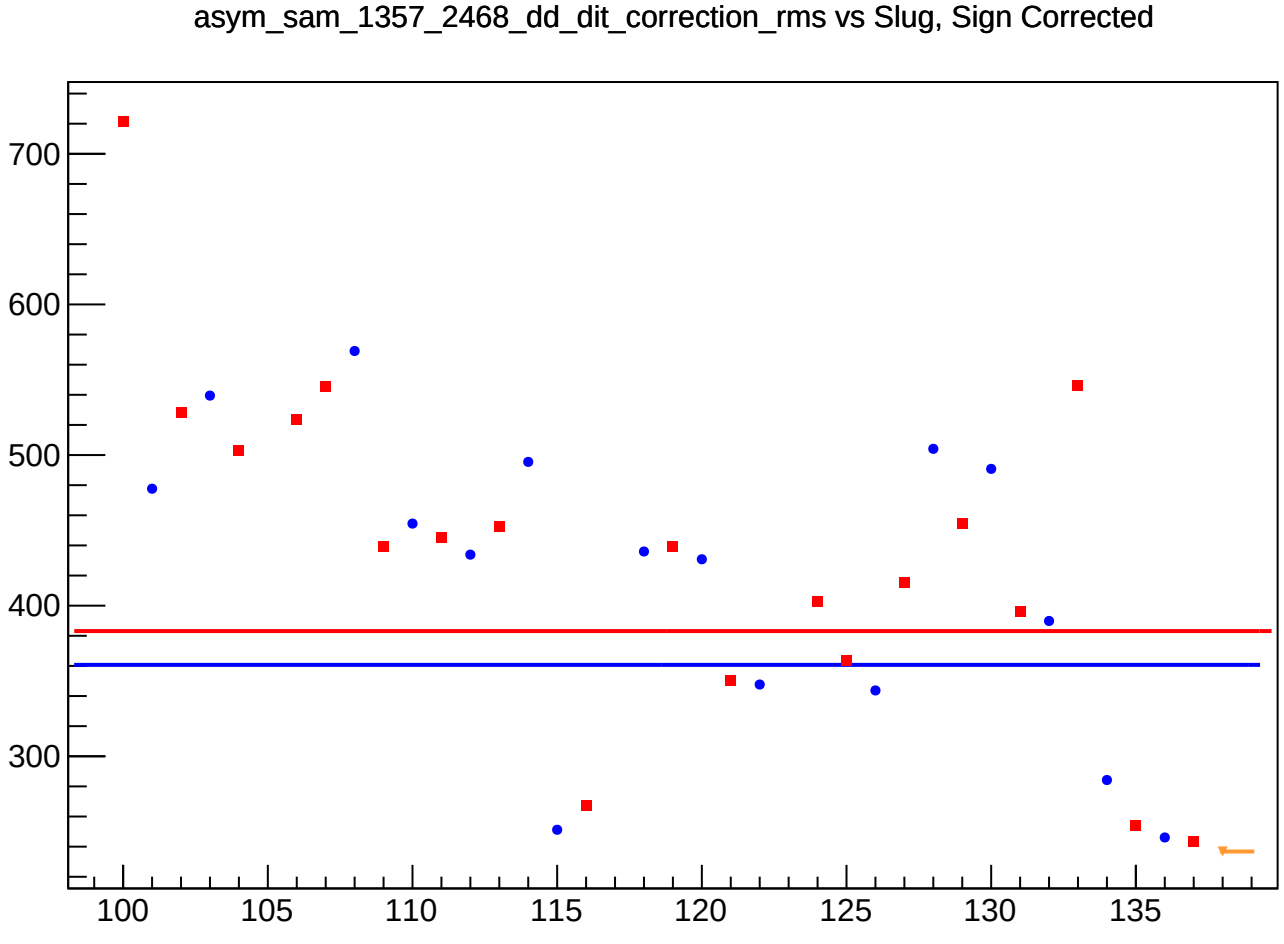
Left: -72.851+/-270.850 χ^2/NDF: 0.0/0

Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 246.507+/-140.275 χ^2/NDF:19.8/15

Out: -225.101+/-128.036 χ^2/NDF:13.0/19

All: -10.764+/-94.567 χ^2/NDF: 39.0/35



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 236.775+/-0.192 χ^2/NDF:0.0/0

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

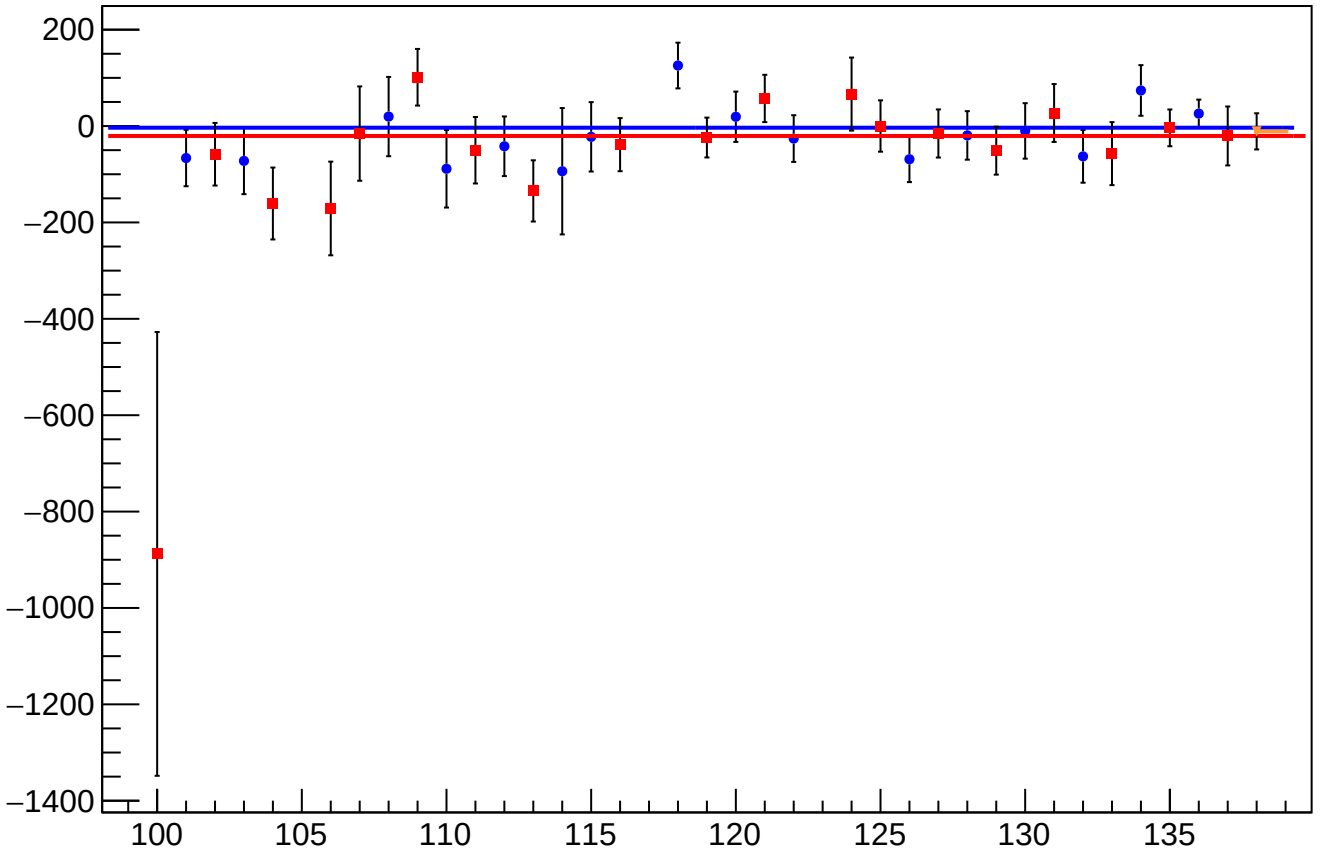
Left: 236.775+/-0.192 χ^2/NDF: 0.0/0

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 360.692+/-0.099 χ^2/NDF:1092760.6/15

Out: 350.426+/-0.091 χ^2/NDF:1416604.0/19

All: 355.092+/-0.067 χ^2/NDF: 2515208.1/35



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: -11.011+/-37.525 χ^2/NDF:0.0/0

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

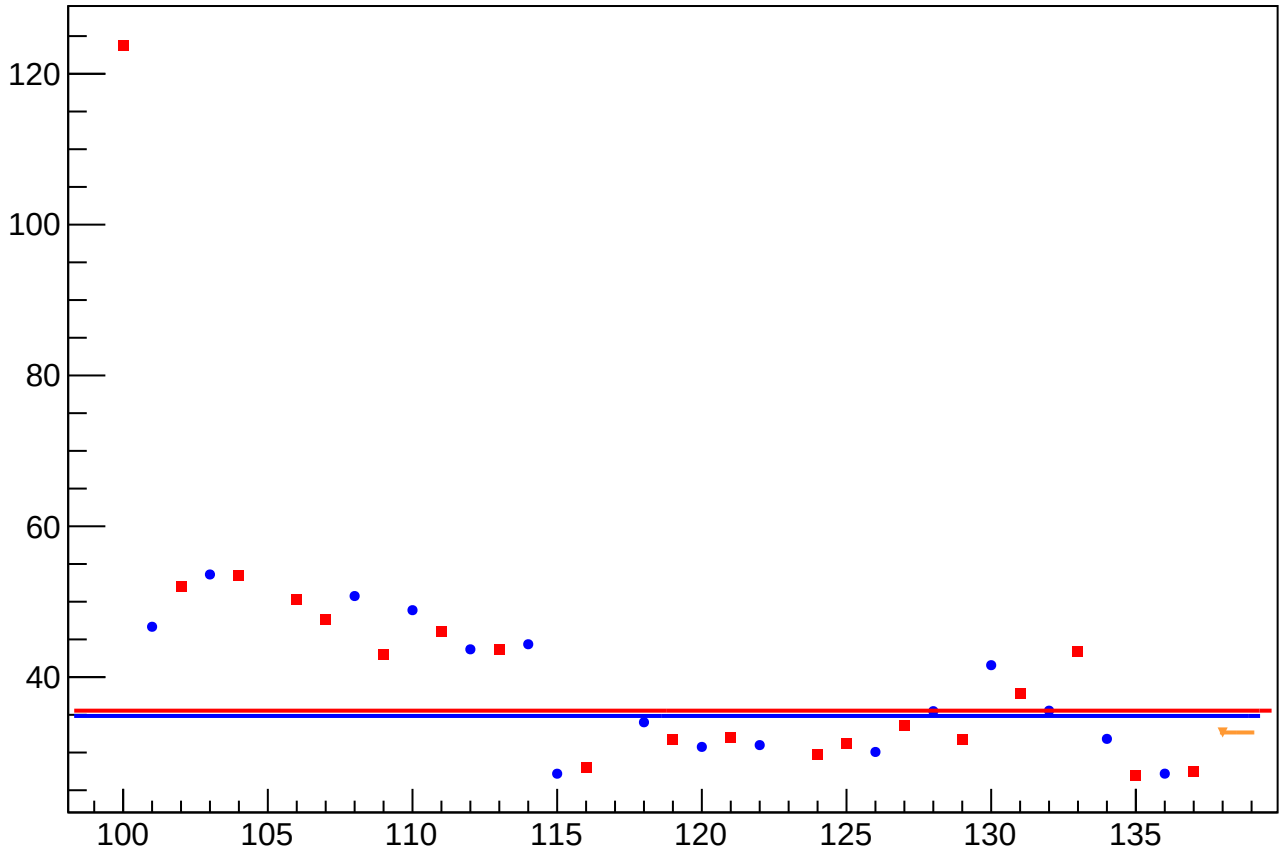
Left: -11.011+/-37.525 χ^2/NDF: 0.0/0

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -3.425+/-13.392 χ^2/NDF:18.5/15

Out: -19.477+/-12.682 χ^2/NDF:23.2/19

All: -11.888+/-9.208 χ^2/NDF: 42.4/35



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 32.659+/-0.027 χ^2/NDF:0.0/0

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

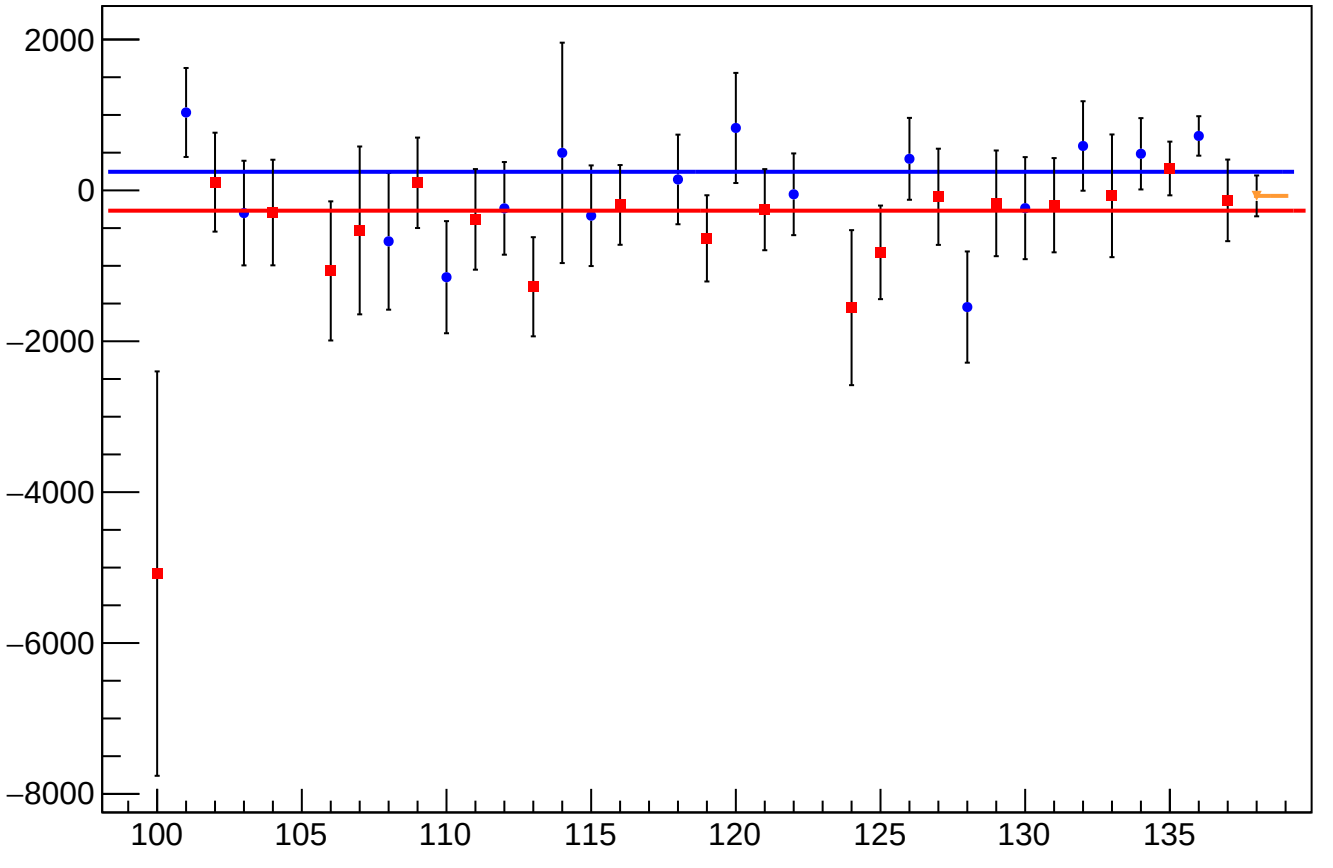
Left: 32.659+/-0.027 χ^2/NDF: 0.0/0

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 34.850+/-0.009 χ^2/NDF:658089.6/15

Out: 35.222+/-0.009 χ^2/NDF:790380.8/19

All: 35.046+/-0.007 χ^2/NDF: 1449284.3/35



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: -72.849+/-270.847 χ^2/NDF:0.0/0

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -72.849+/-270.847 χ^2/NDF: 0.0/0

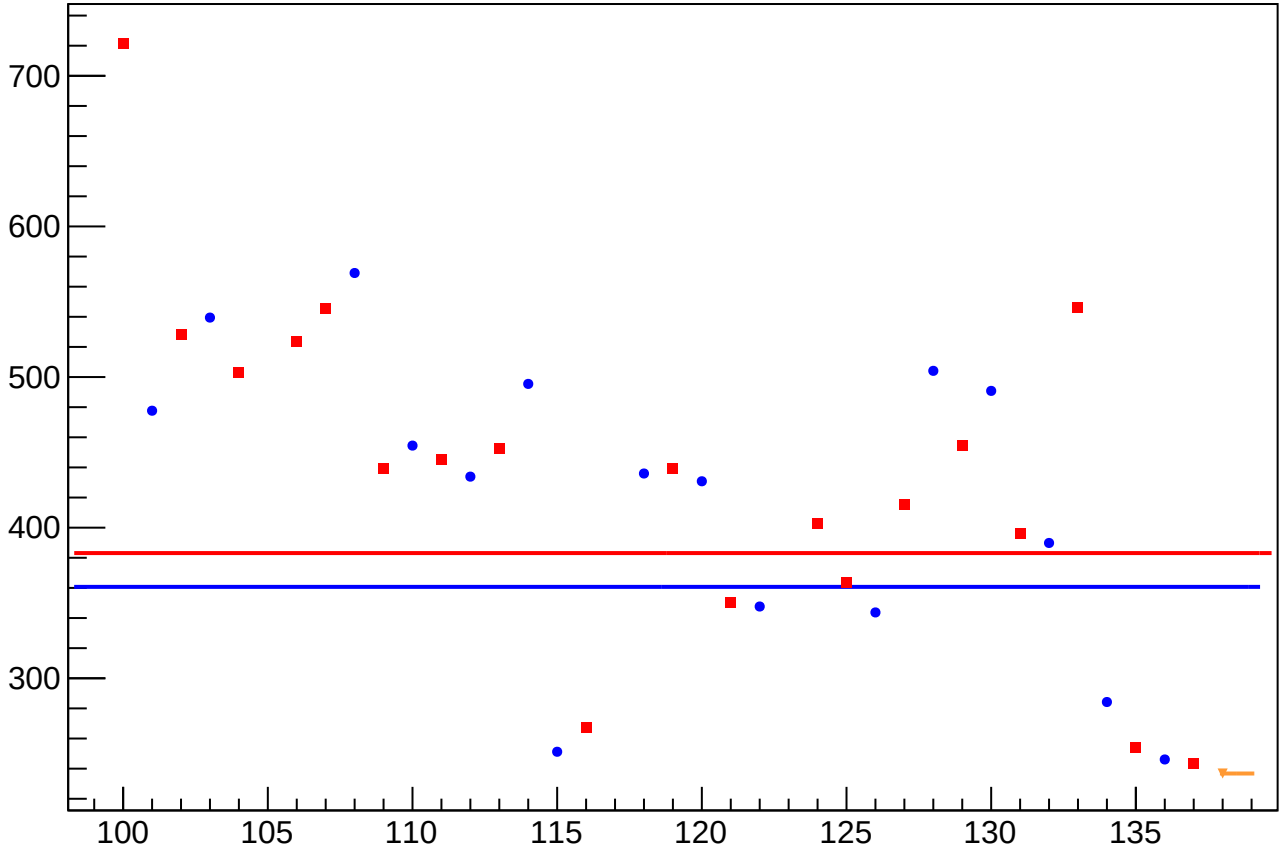
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 246.505+/-140.274 χ^2/NDF:19.8/15

Out: -225.099+/-128.036 χ^2/NDF:13.0/19

All: -10.764+/-94.566 χ^2/NDF: 39.0/35

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: 236.772+/-0.192 χ^2/NDF:0.0/0

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

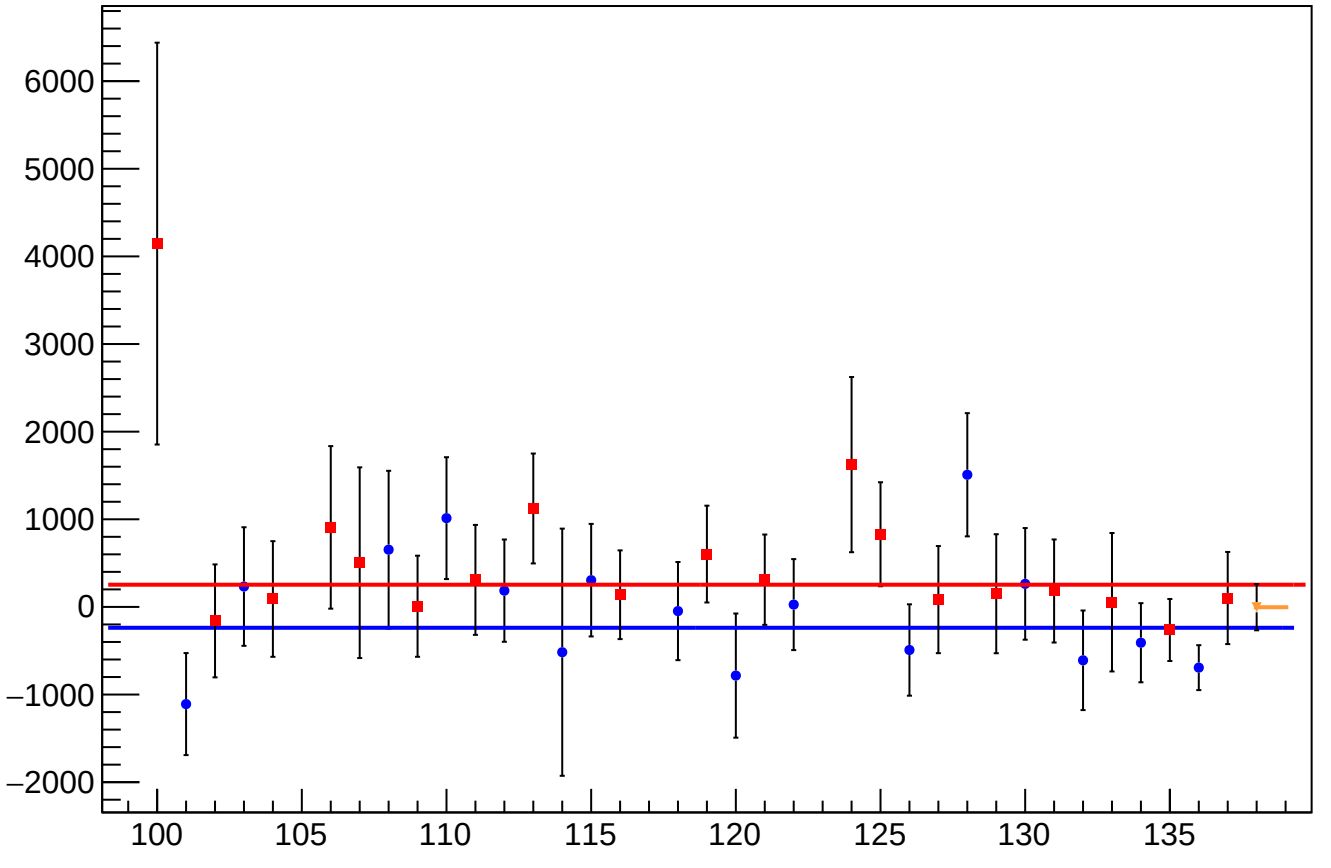
Left: 236.772+/-0.192 χ^2/NDF: 0.0/0

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 360.691+/-0.099 χ^2/NDF:1092752.5/15

Out: 350.425+/-0.091 χ^2/NDF:1416619.8/19

All: 355.091+/-0.067 χ^2/NDF: 2515216.9/35



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -3.415+/-263.409 χ^2/NDF:0.0/0

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

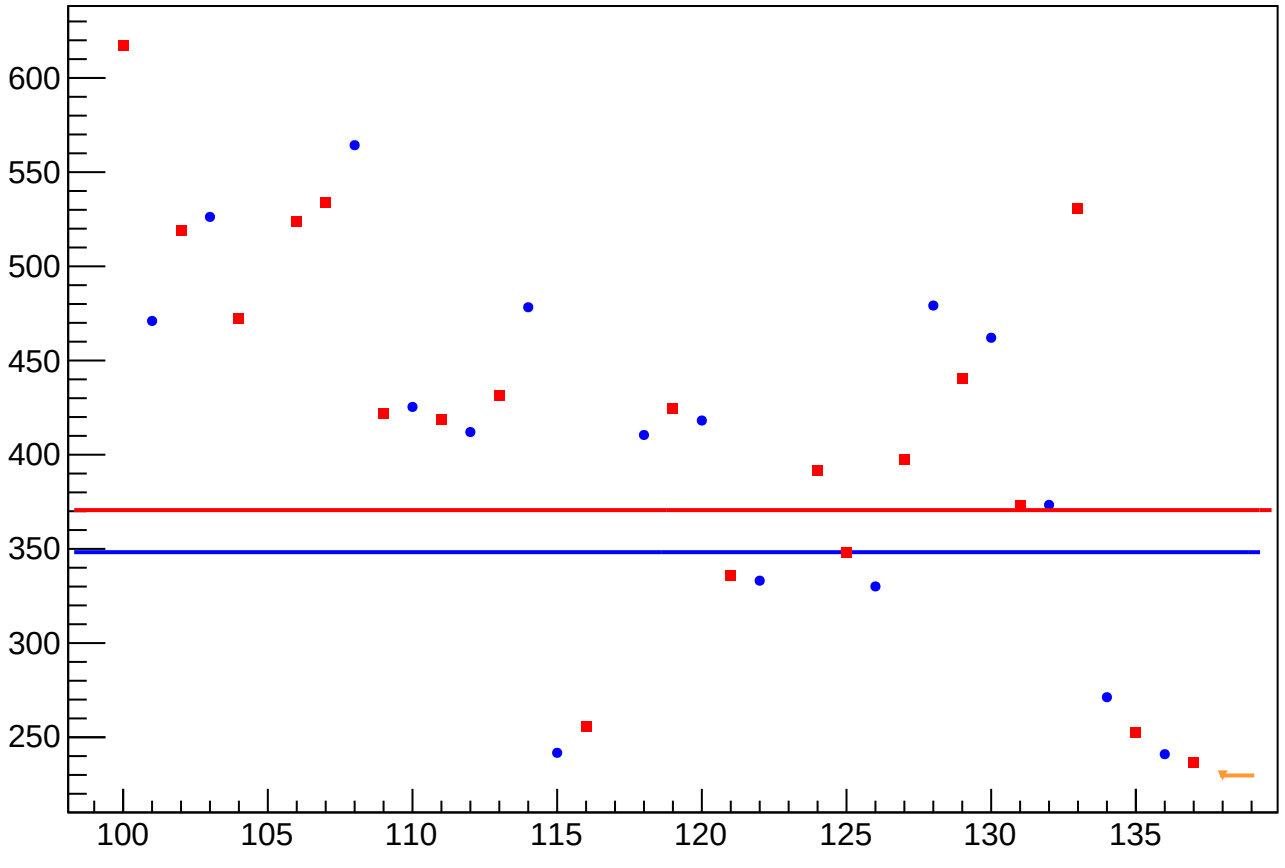
Left: -3.415+/-263.409 χ^2/NDF: 0.0/0

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -238.043+/-135.349 χ^2/NDF:19.9/15

Out: 196.607+/-123.909 χ^2/NDF:12.4/19

All: -1.575+/-91.394 χ^2/NDF: 38.0/35



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 229.728+/-0.186 χ^2/NDF:0.0/0

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

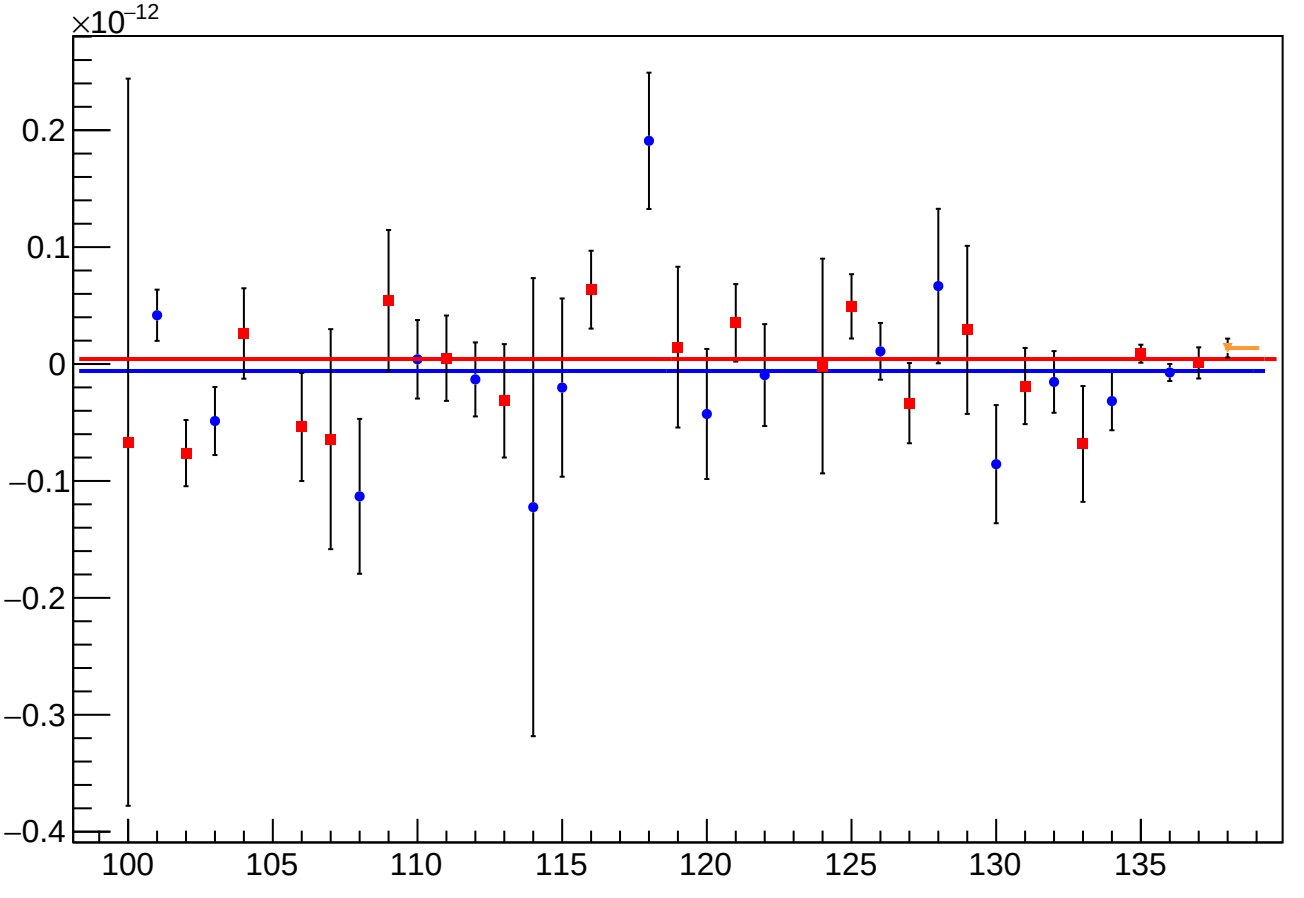
Left: 229.728+/-0.186 χ^2/NDF: 0.0/0

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 348.253+/-0.096 χ^2/NDF:1056820.3/15

Out: 339.417+/-0.088 χ^2/NDF:1363269.5/19

All: 343.445+/-0.065 χ^2/NDF: 2424726.9/35



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

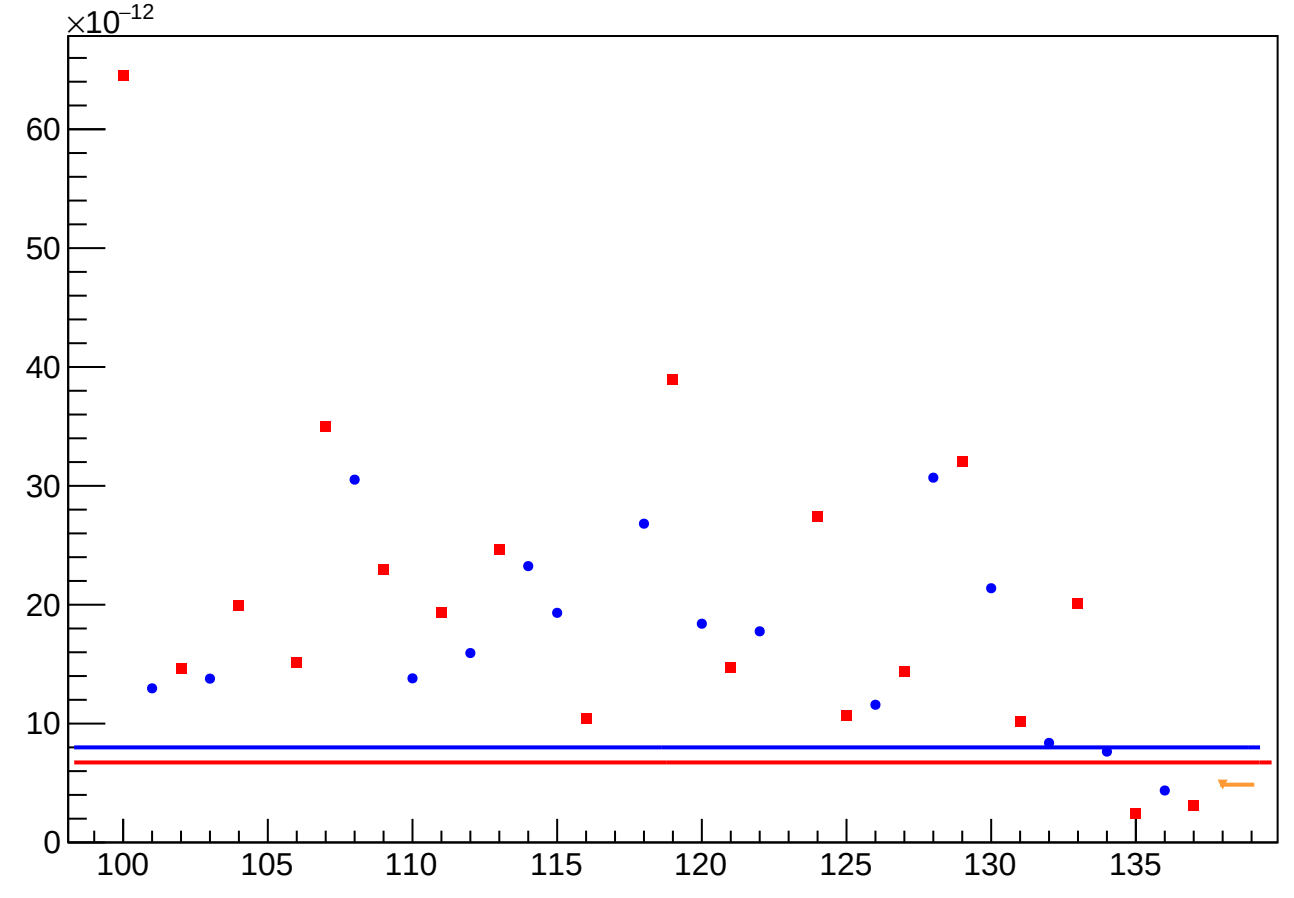
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:27.3/15

Out: 0.000+/-0.000 χ^2/NDF:23.9/19

All: 0.000+/-0.000 χ^2/NDF: 54.5/35



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

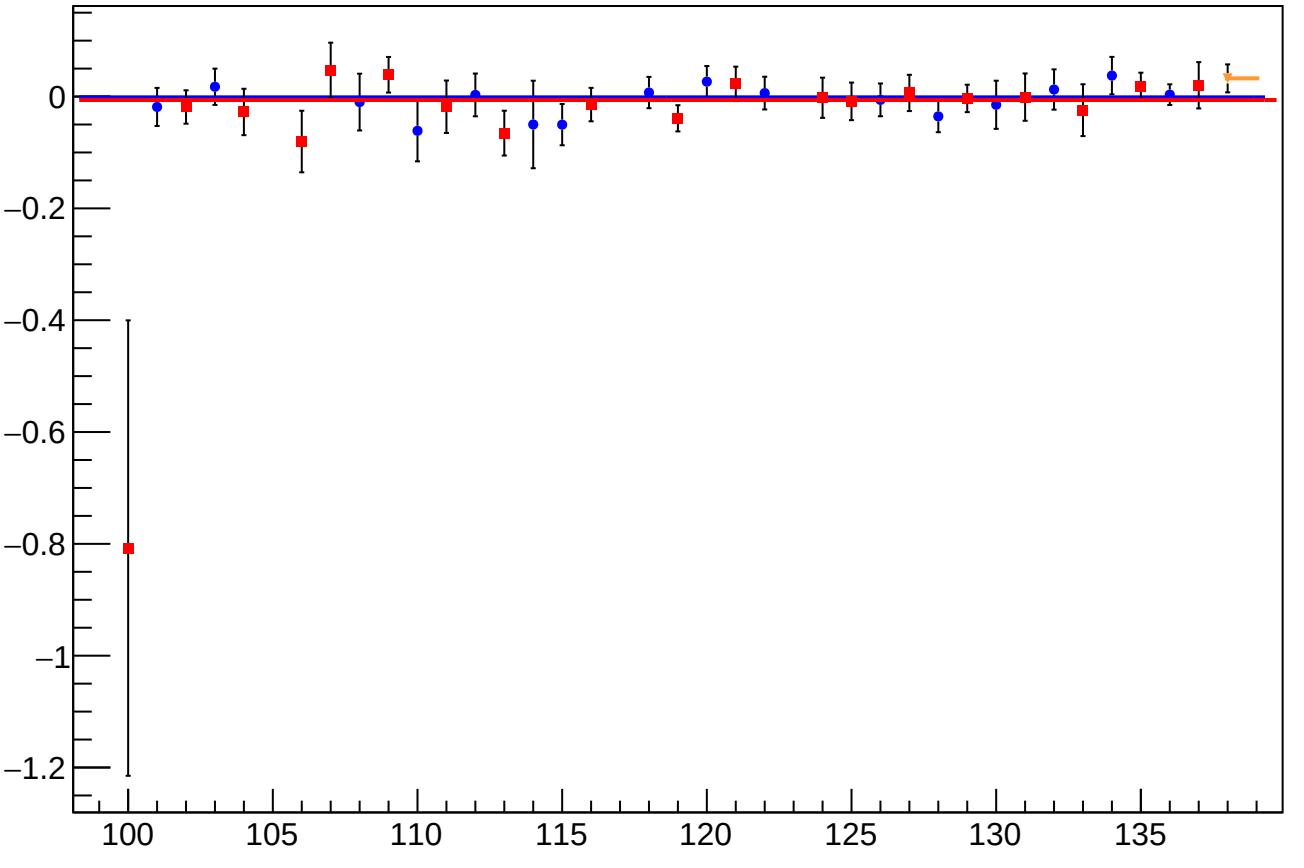
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:1949755.3/15

Out: 0.000+/-0.000 χ^2/NDF:3452721.5/19

All: 0.000+/-0.000 χ^2/NDF: 5534143.0/35



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.033+/-0.025 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.033+/-0.025 χ^2/NDF: 0.0/0

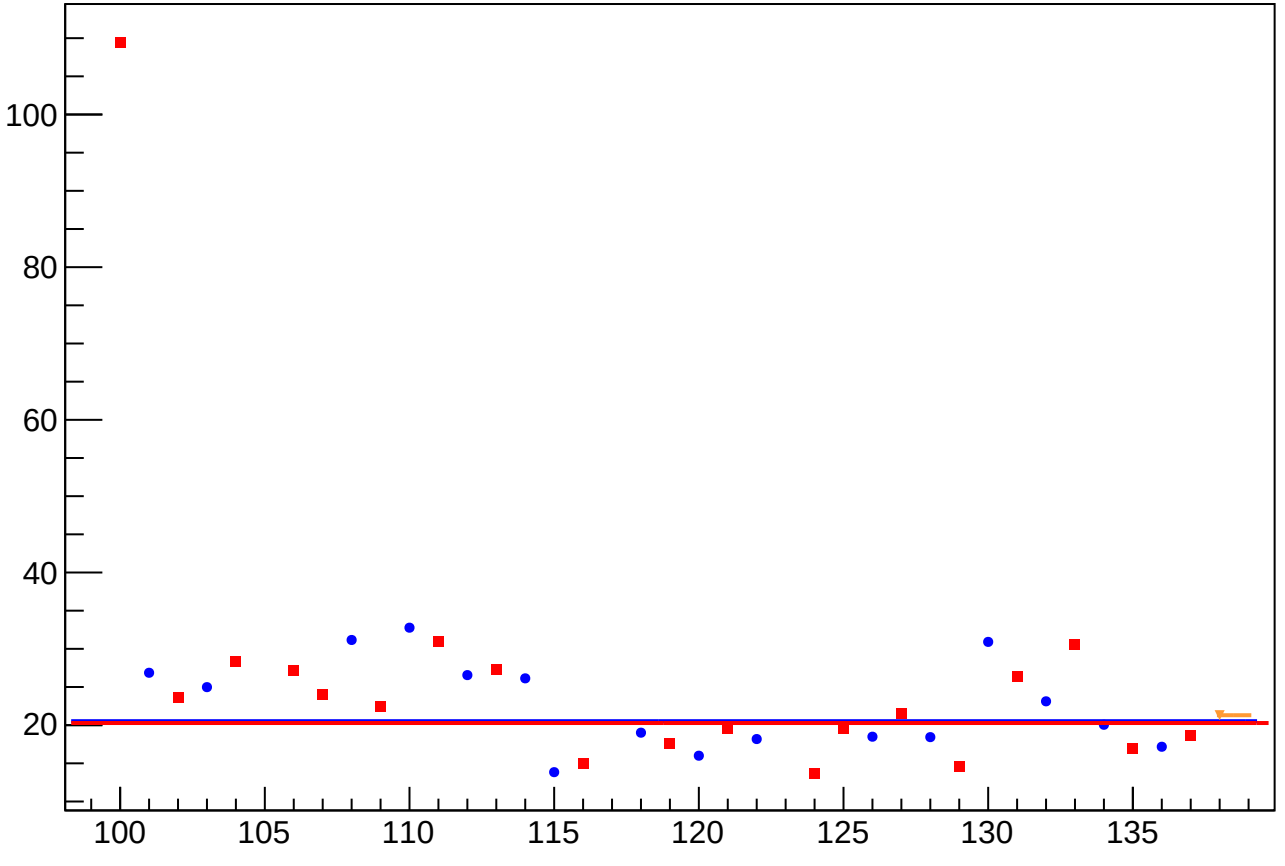
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.008 χ^2/NDF:8.3/15

Out: -0.003+/-0.008 χ^2/NDF:18.4/19

All: -0.002+/-0.005 χ^2/NDF: 26.7/35

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: 21.303+/-0.018 χ^2/NDF:0.0/0

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 21.303+/-0.018 χ^2/NDF: 0.0/0

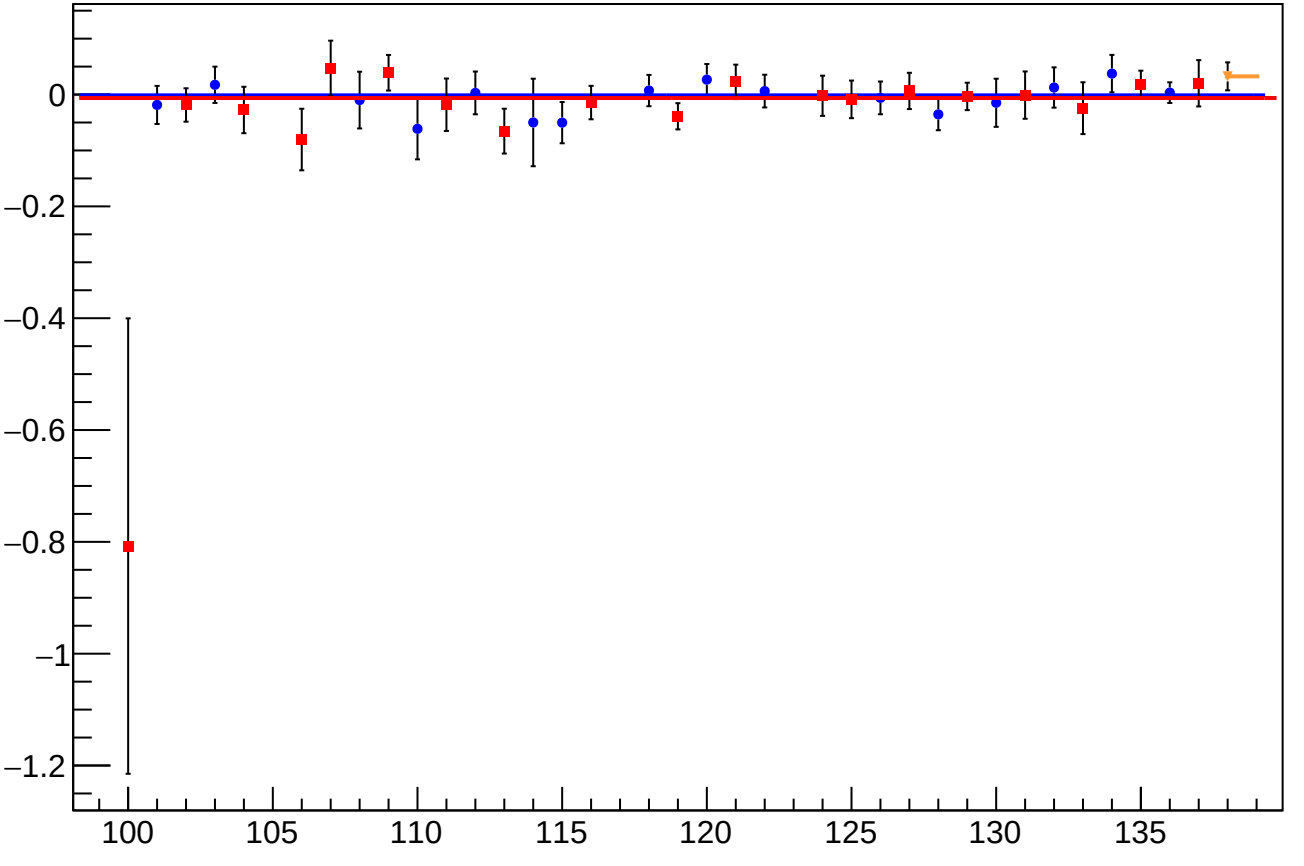
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 20.522+/-0.006 χ^2/NDF:705998.4/15

Out: 20.374+/-0.005 χ^2/NDF:867385.1/19

All: 20.443+/-0.004 χ^2/NDF: 1573743.5/35

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.033+/-0.025 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.033+/-0.025 χ^2/NDF: 0.0/0

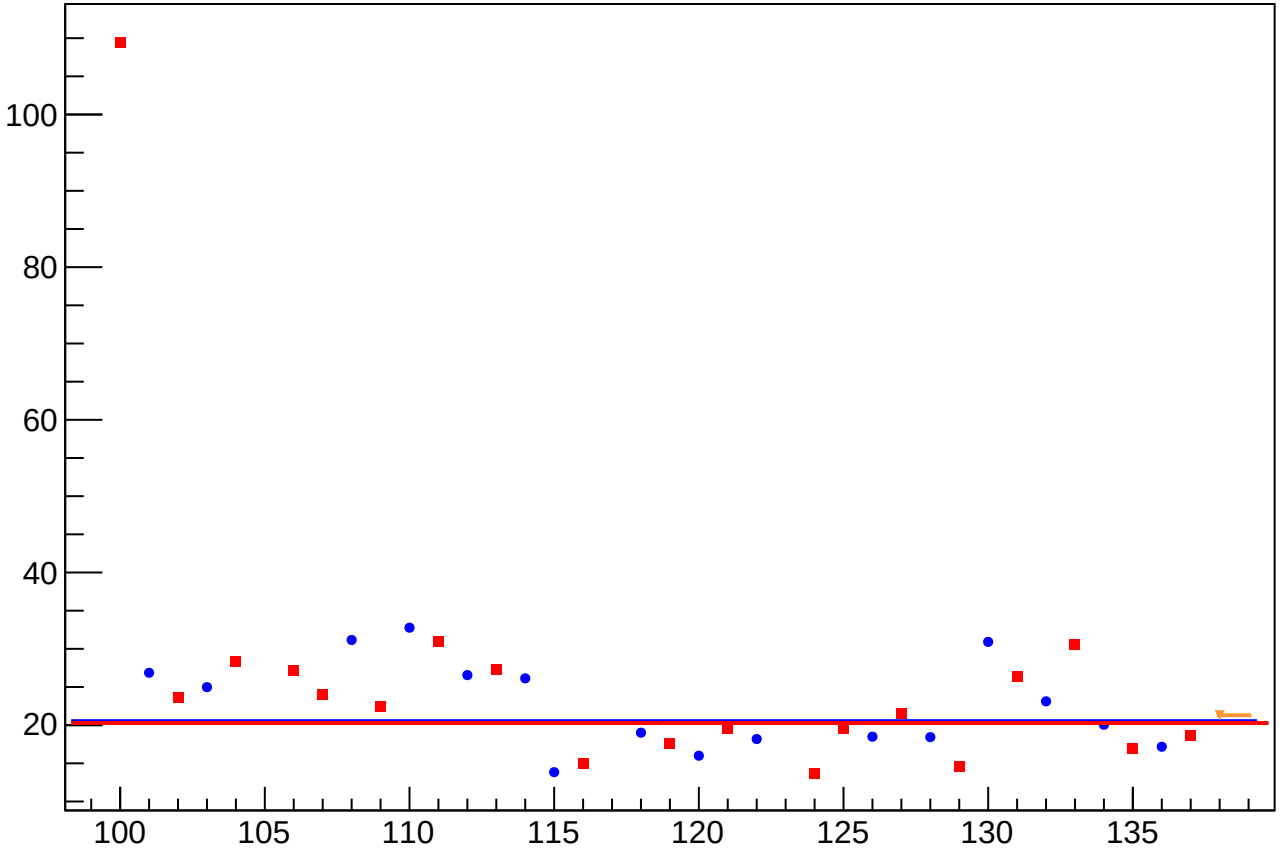
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.008 χ^2/NDF:8.3/15

Out: -0.003+/-0.008 χ^2/NDF:18.4/19

All: -0.002+/-0.005 χ^2/NDF: 26.7/35

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: 21.303+/-0.018 χ^2/NDF:0.0/0

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

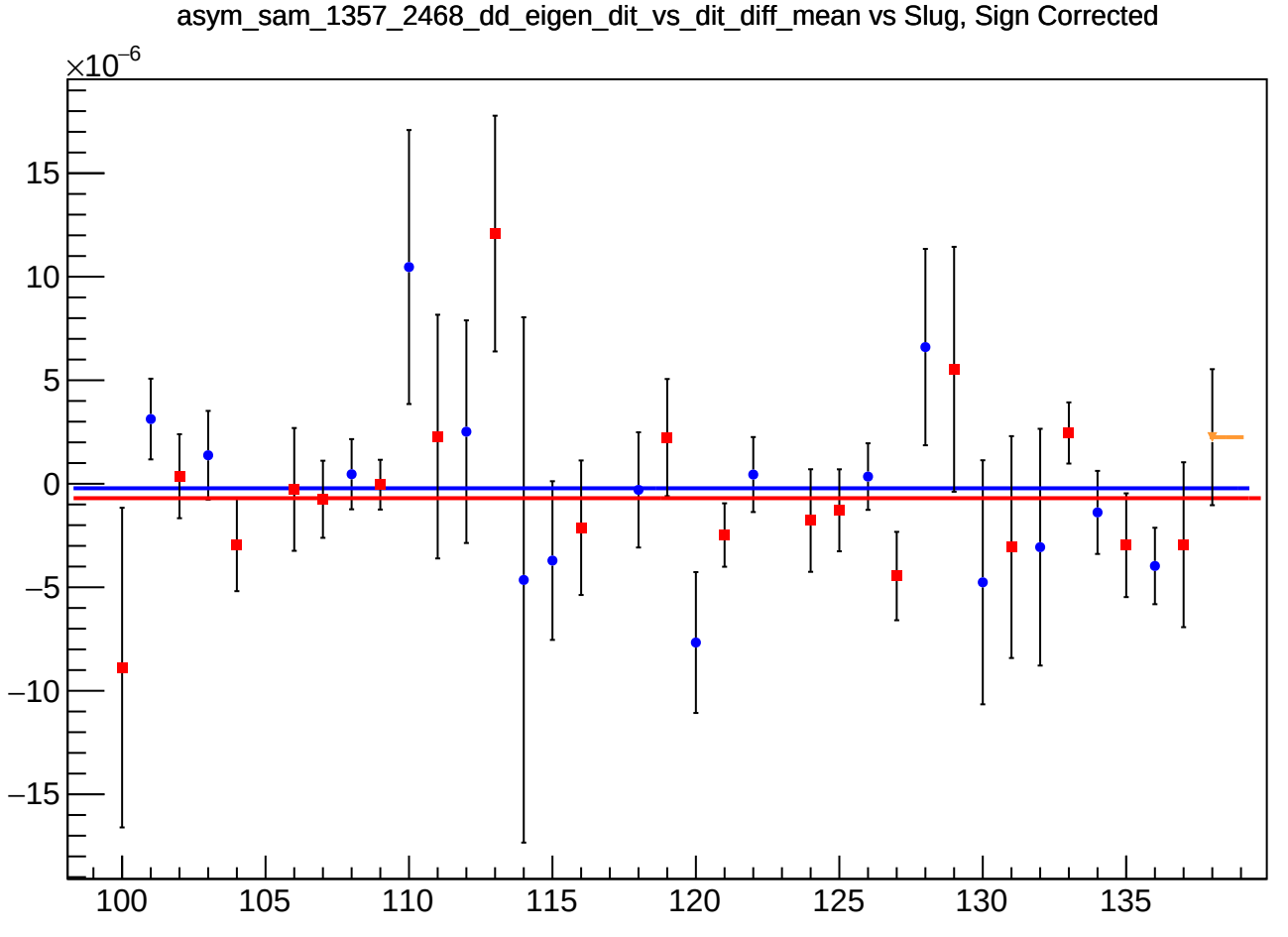
Left: 21.303+/-0.018 χ^2/NDF: 0.0/0

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 20.522+/-0.006 χ^2/NDF:705998.4/15

Out: 20.374+/-0.005 χ^2/NDF:867385.1/19

All: 20.443+/-0.004 χ^2/NDF: 1573743.5/35



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

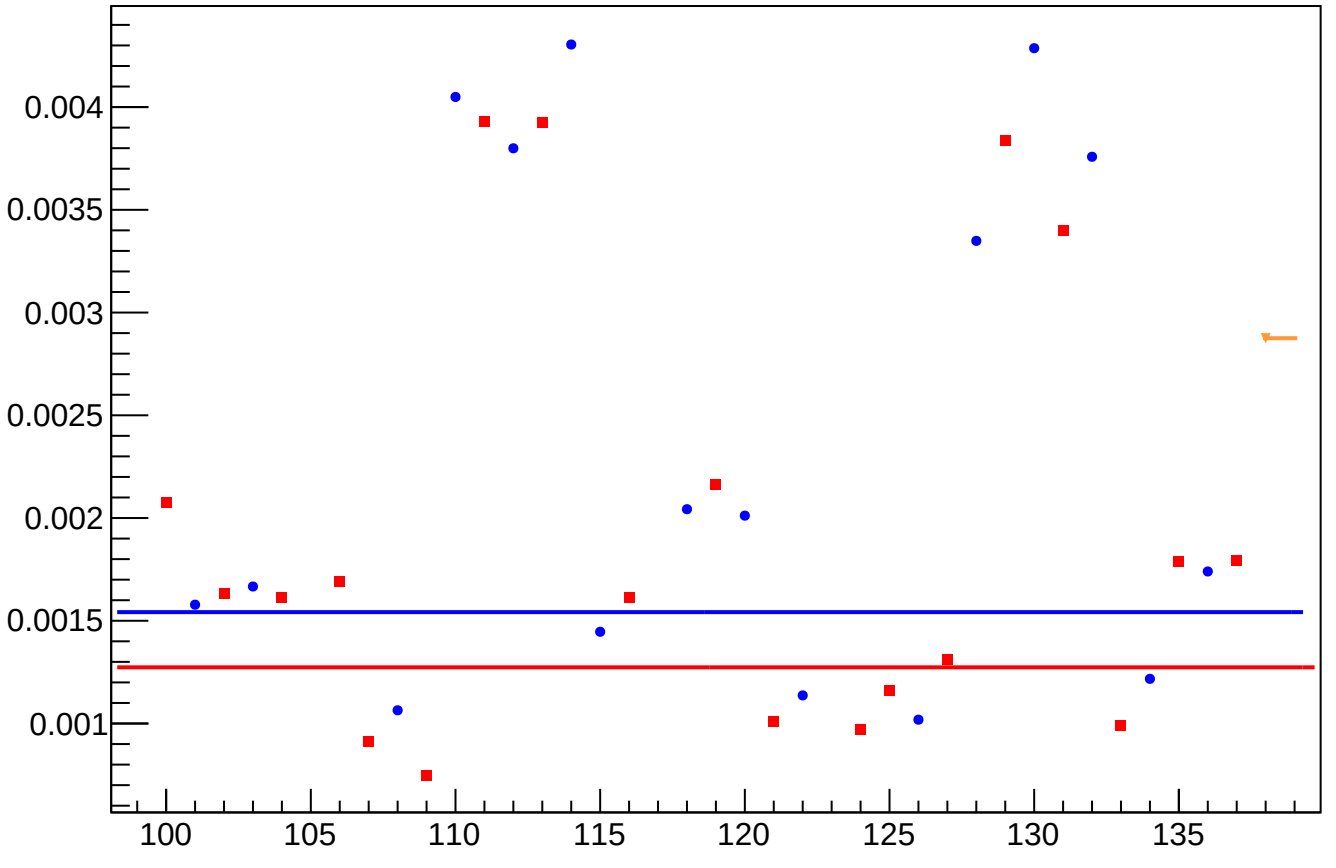
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:19.9/15

Out: -0.000+/-0.000 χ^2/NDF:21.8/19

All: -0.000+/-0.000 χ^2/NDF: 41.9/35



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

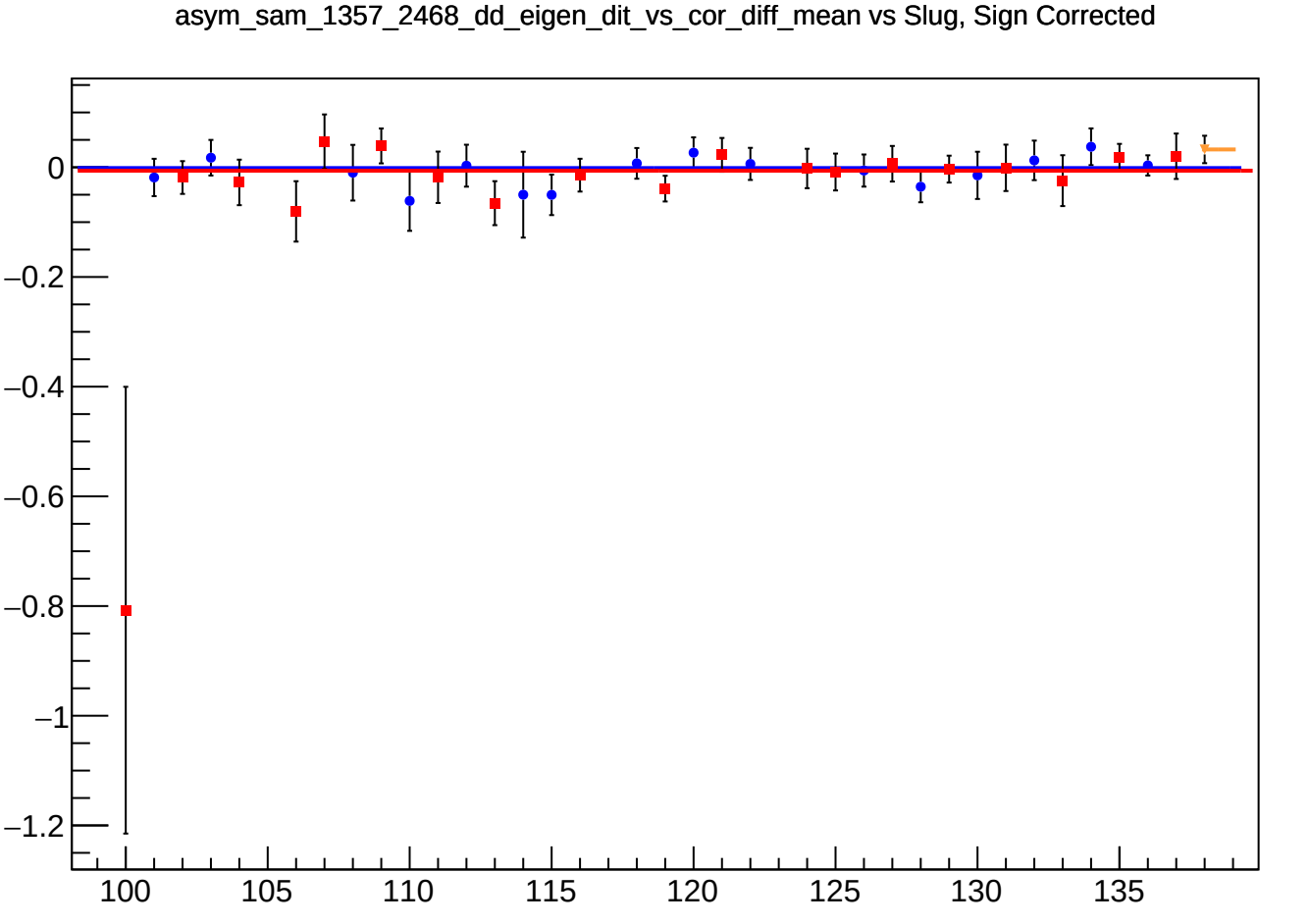
Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.002+/-0.000 χ^2/NDF:2416805.2/15

Out: 0.001+/-0.000 χ^2/NDF:3131048.5/19

All: 0.001+/-0.000 χ^2/NDF: 5705296.6/35



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.033+/-0.025 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.033+/-0.025 χ^2/NDF: 0.0/0

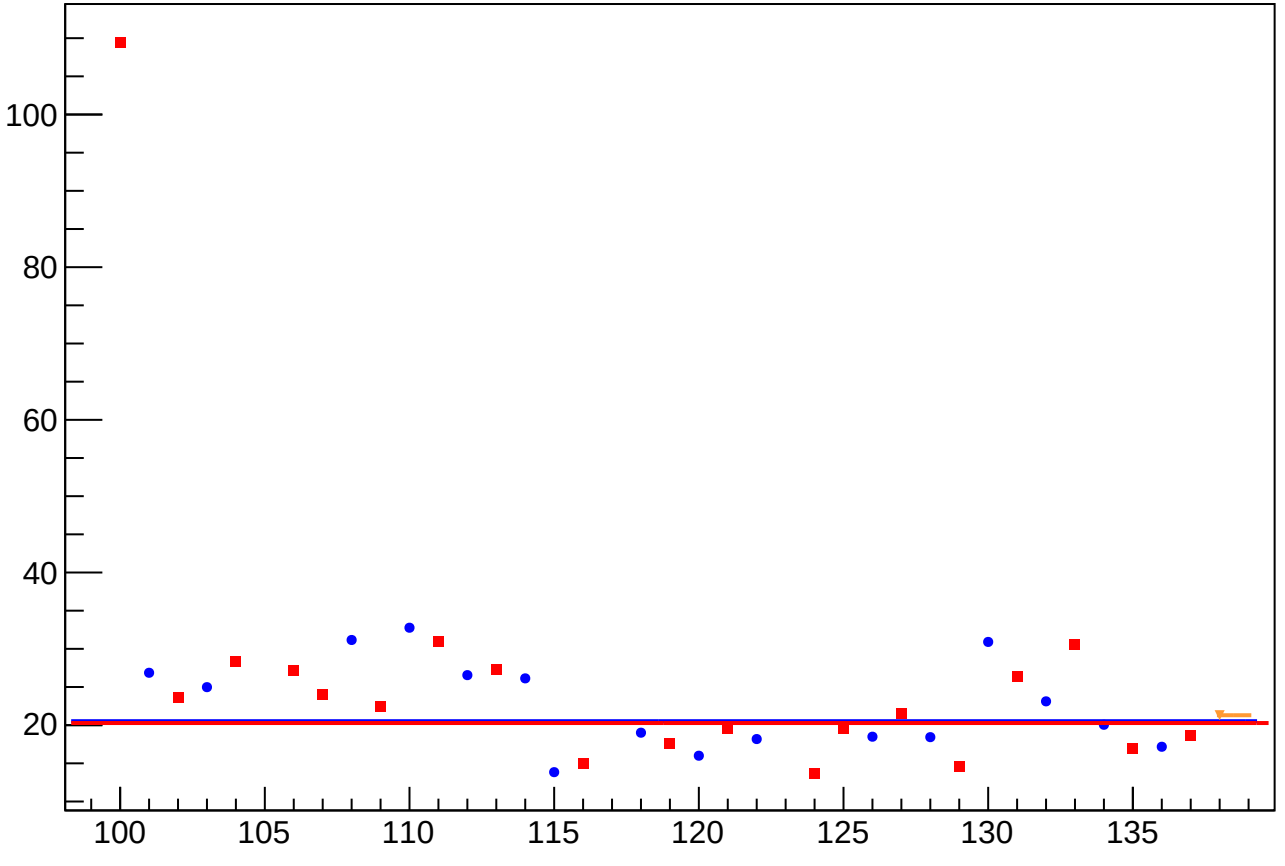
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.008 χ^2/NDF:8.3/15

Out: -0.003+/-0.008 χ^2/NDF:18.4/19

All: -0.002+/-0.005 χ^2/NDF: 26.7/35

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: 21.302+/-0.018 χ^2/NDF:0.0/0

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 21.302+/-0.018 χ^2/NDF: 0.0/0

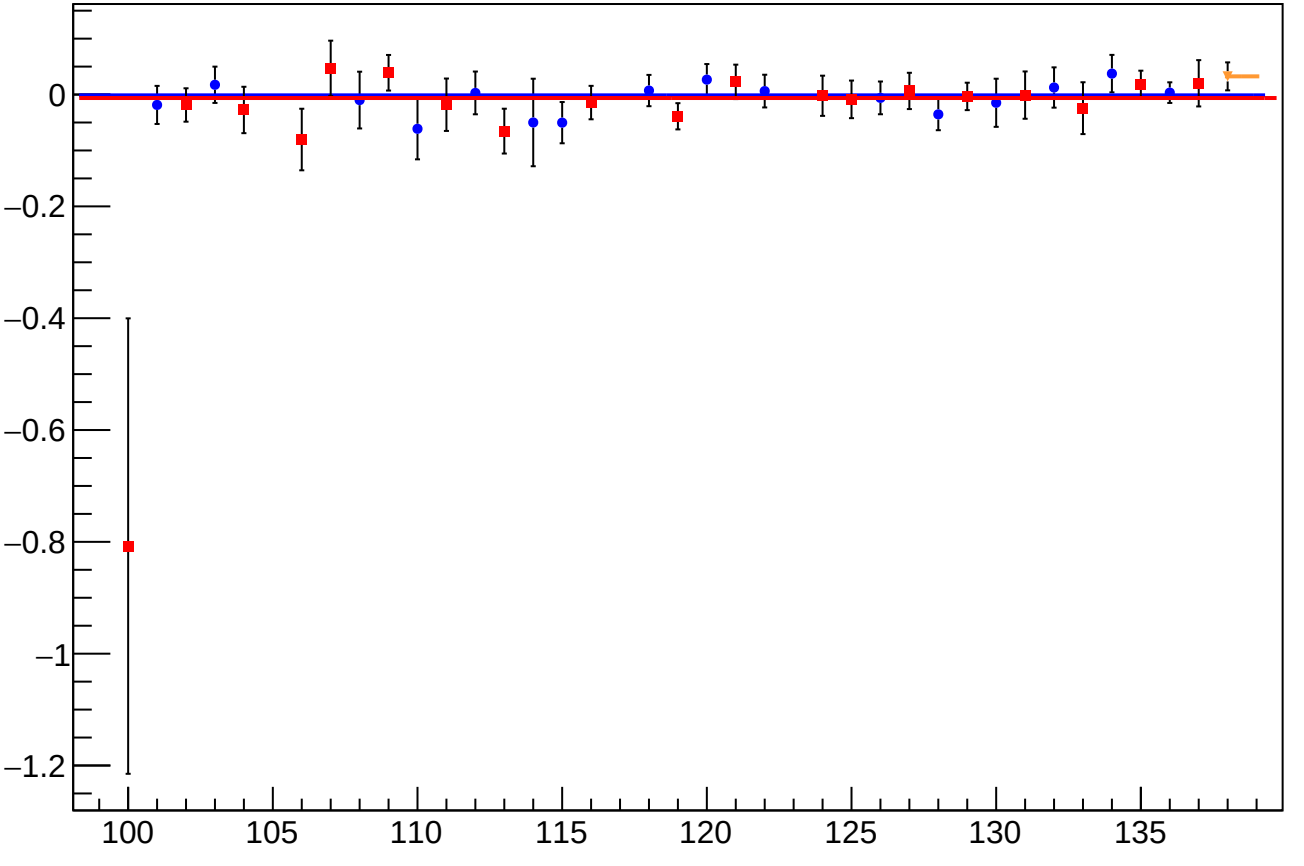
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 20.521+/-0.006 χ^2/NDF:705877.0/15

Out: 20.373+/-0.005 χ^2/NDF:867391.9/19

All: 20.442+/-0.004 χ^2/NDF: 1573629.7/35

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.033+/-0.025 χ^2/NDF:0.0/0

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.033+/-0.025 χ^2/NDF: 0.0/0

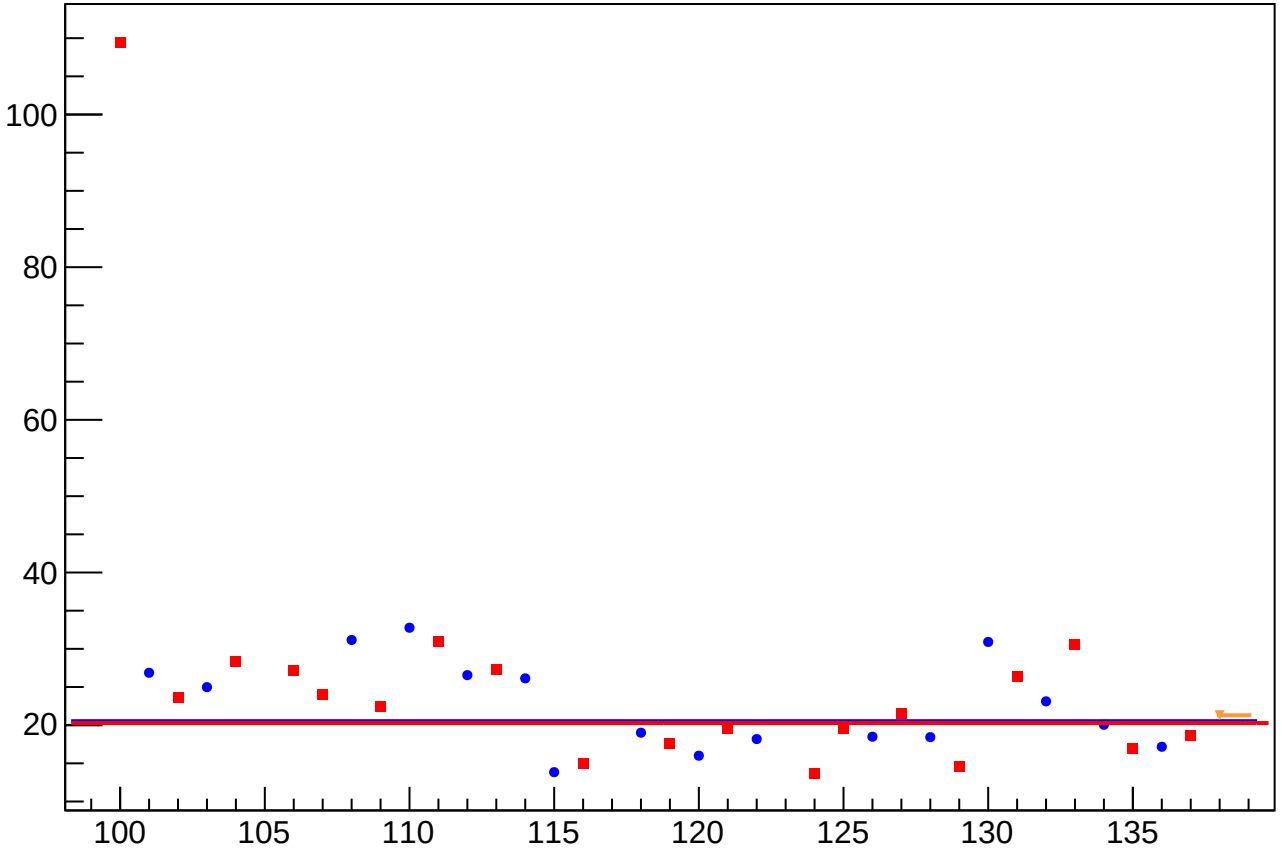
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.008 χ^2/NDF:8.3/15

Out: -0.003+/-0.008 χ^2/NDF:18.4/19

All: -0.002+/-0.005 χ^2/NDF: 26.7/35

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: 21.302+/-0.018 χ^2/NDF:0.0/0

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

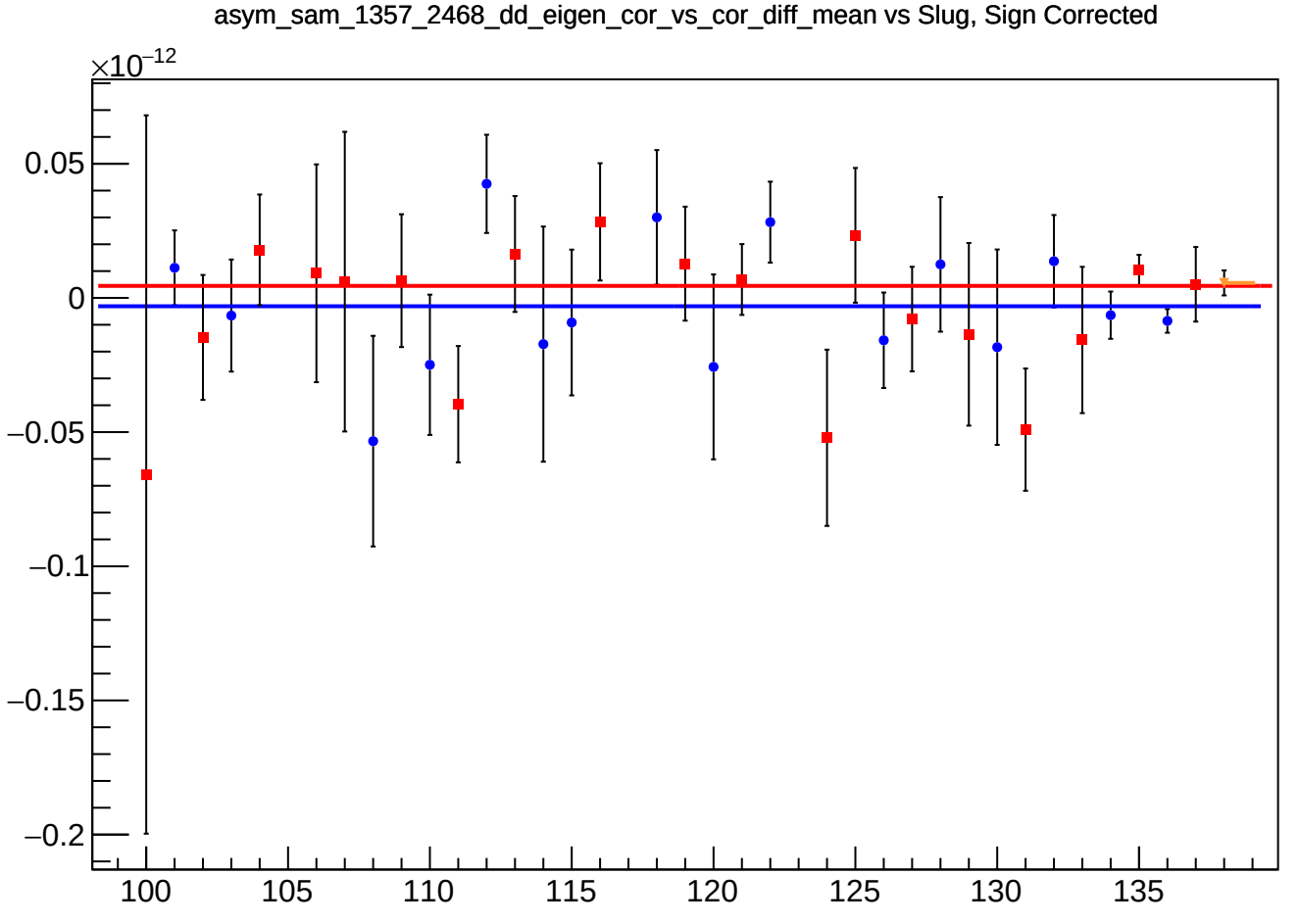
Left: 21.302+/-0.018 χ^2/NDF: 0.0/0

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 20.521+/-0.006 χ^2/NDF:705877.0/15

Out: 20.373+/-0.005 χ^2/NDF:867391.9/19

All: 20.442+/-0.004 χ^2/NDF: 1573629.7/35



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

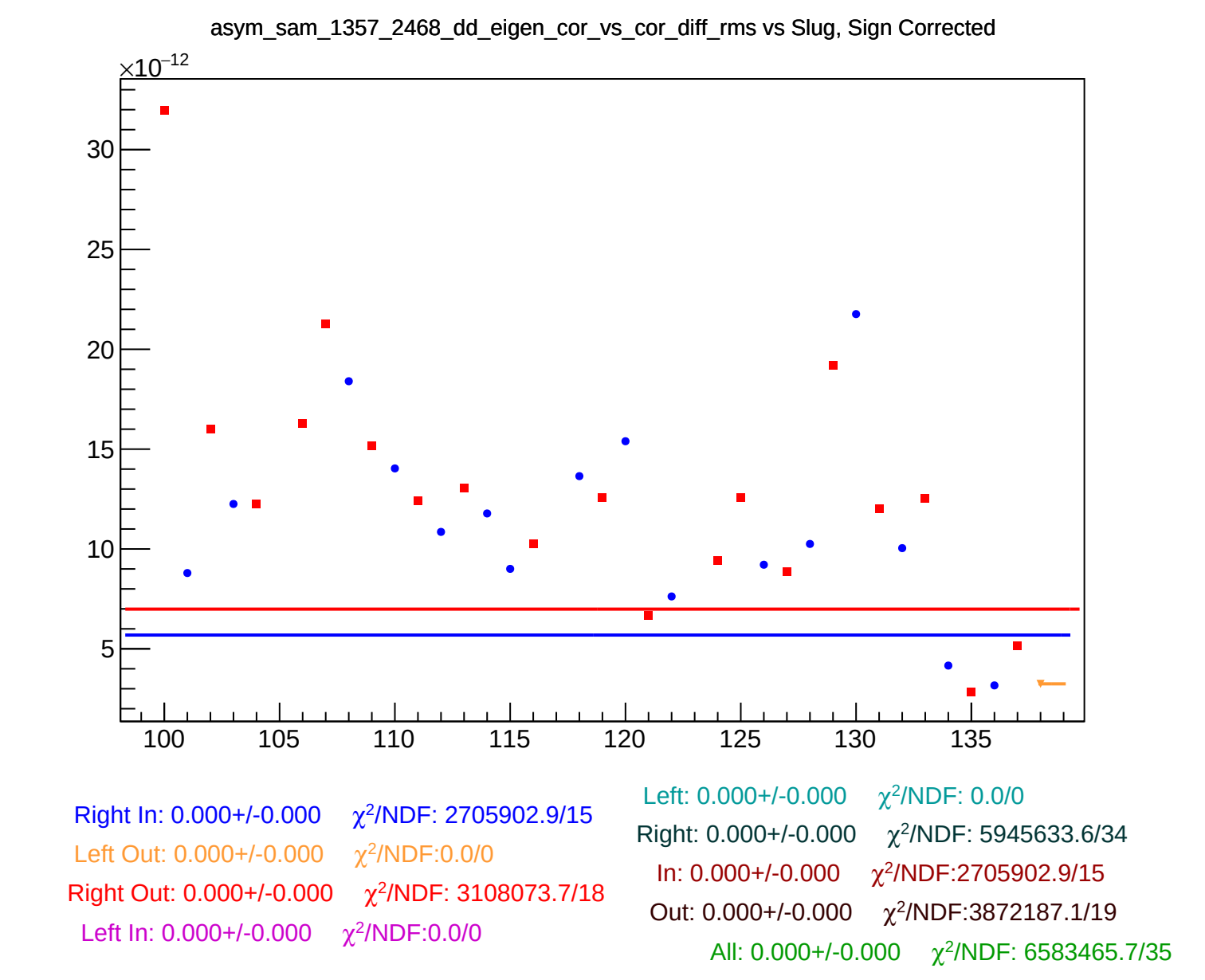
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

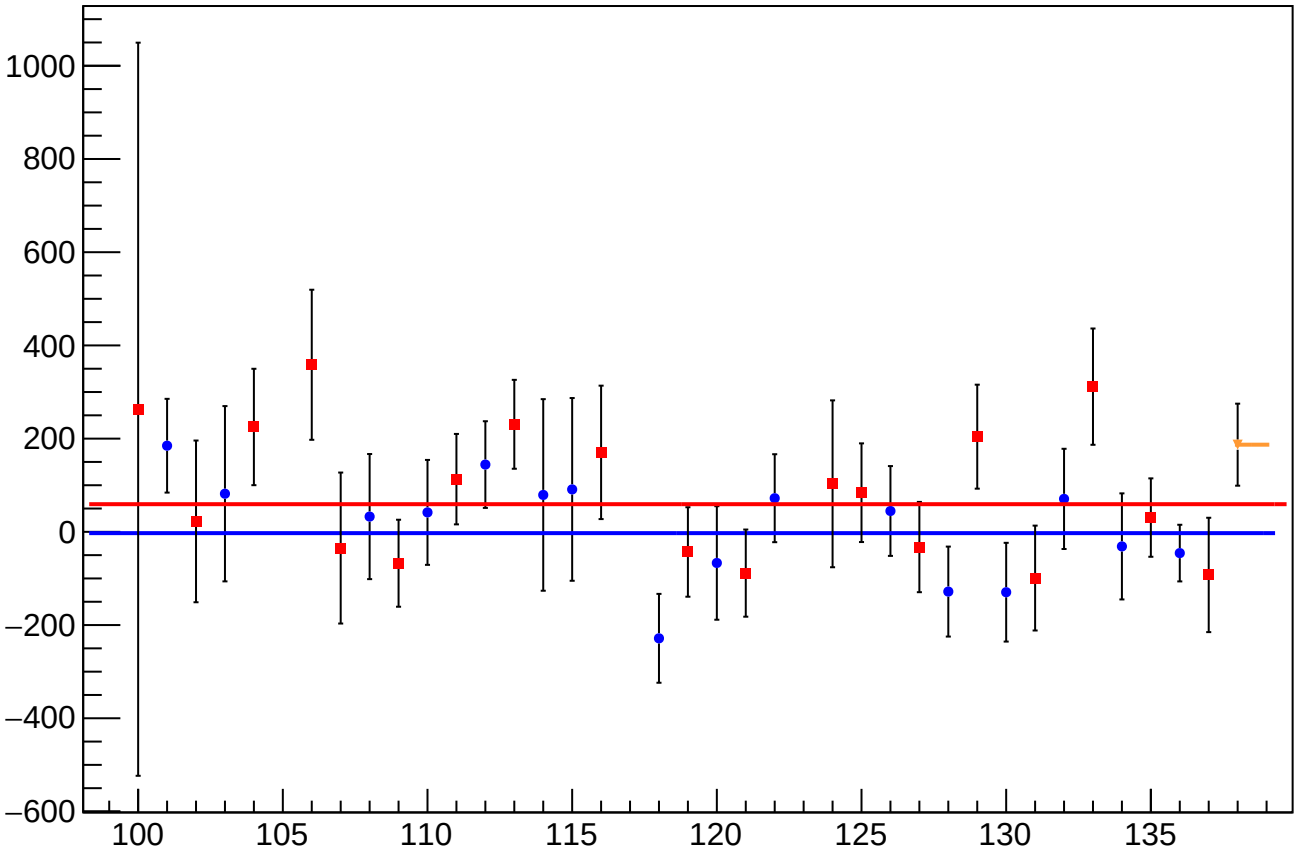
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:20.0/15

Out: 0.000+/-0.000 χ^2/NDF:18.6/19

All: 0.000+/-0.000 χ^2/NDF: 41.9/35


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
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/0
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: 0.0/0
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:2705902.9/15
Out: 0.000+/-0.000 χ²/NDF:3872187.1/19
All: 0.000+/-0.000 χ²/NDF: 6583465.7/35



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 187.015+/-87.996 χ^2/NDF:0.0/0

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

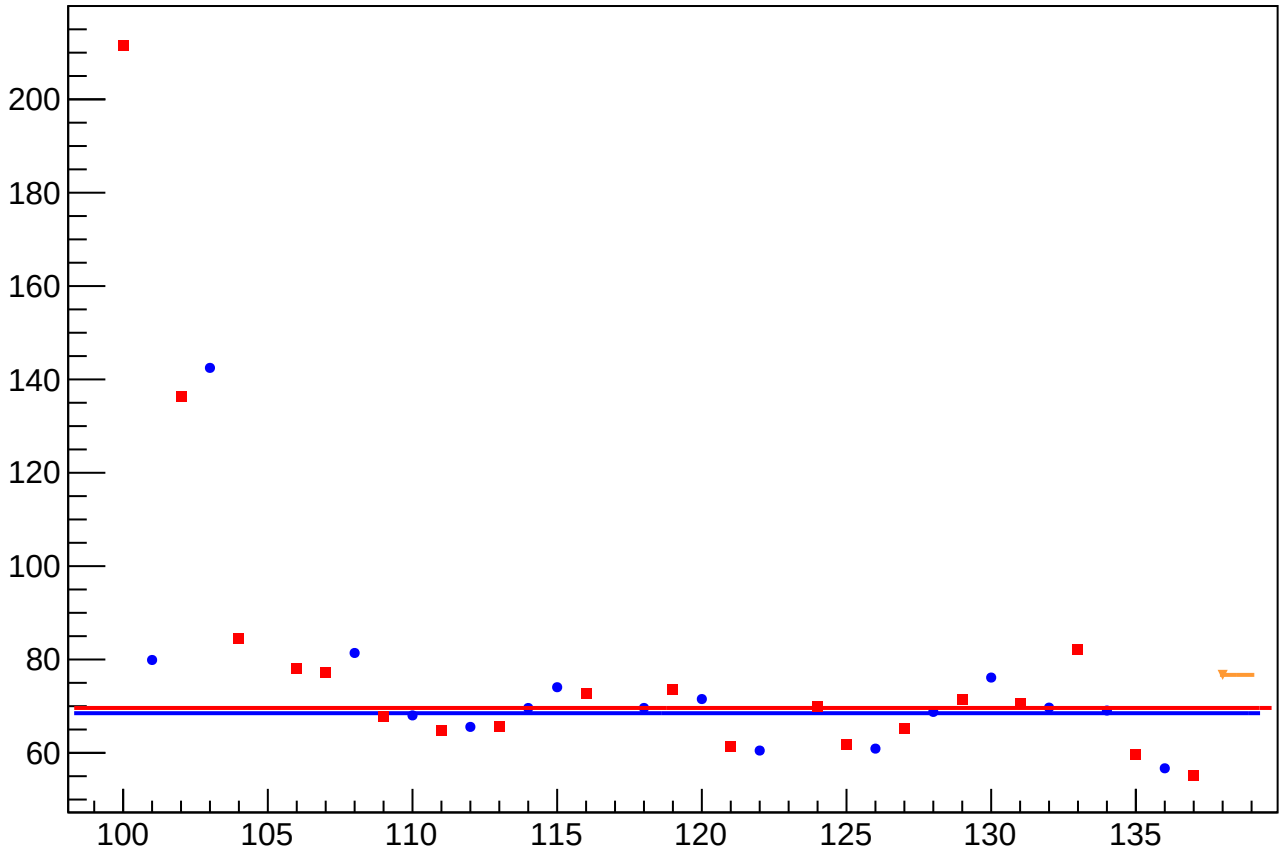
Left: 187.015+/-87.996 χ^2/NDF: 0.0/0

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: -2.766+/-26.213 χ^2/NDF:17.7/15

Out: 69.878+/-25.271 χ^2/NDF:27.6/19

All: 34.885+/-18.193 χ^2/NDF: 49.3/35



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 76.704+/-0.062 χ^2/NDF:0.0/0

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 76.704+/-0.062 χ^2/NDF: 0.0/0

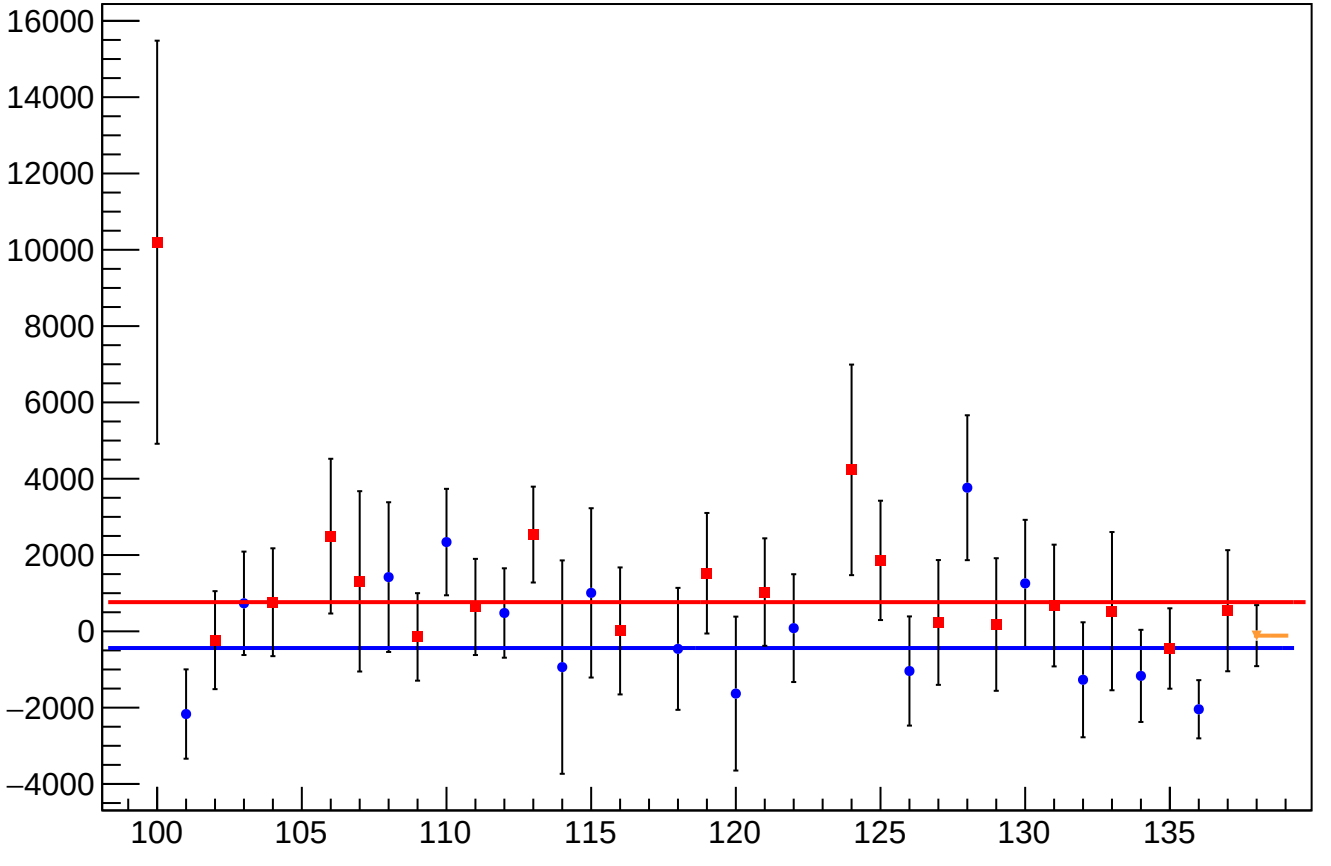
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 68.499+/-0.019 χ^2/NDF:471865.0/15

Out: 70.204+/-0.018 χ^2/NDF:532298.6/19

All: 69.383+/-0.013 χ^2/NDF: 1008551.4/35

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: -112.692+/-799.740 χ^2/NDF:0.0/0

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -112.692+/-799.740 χ^2/NDF: 0.0/0

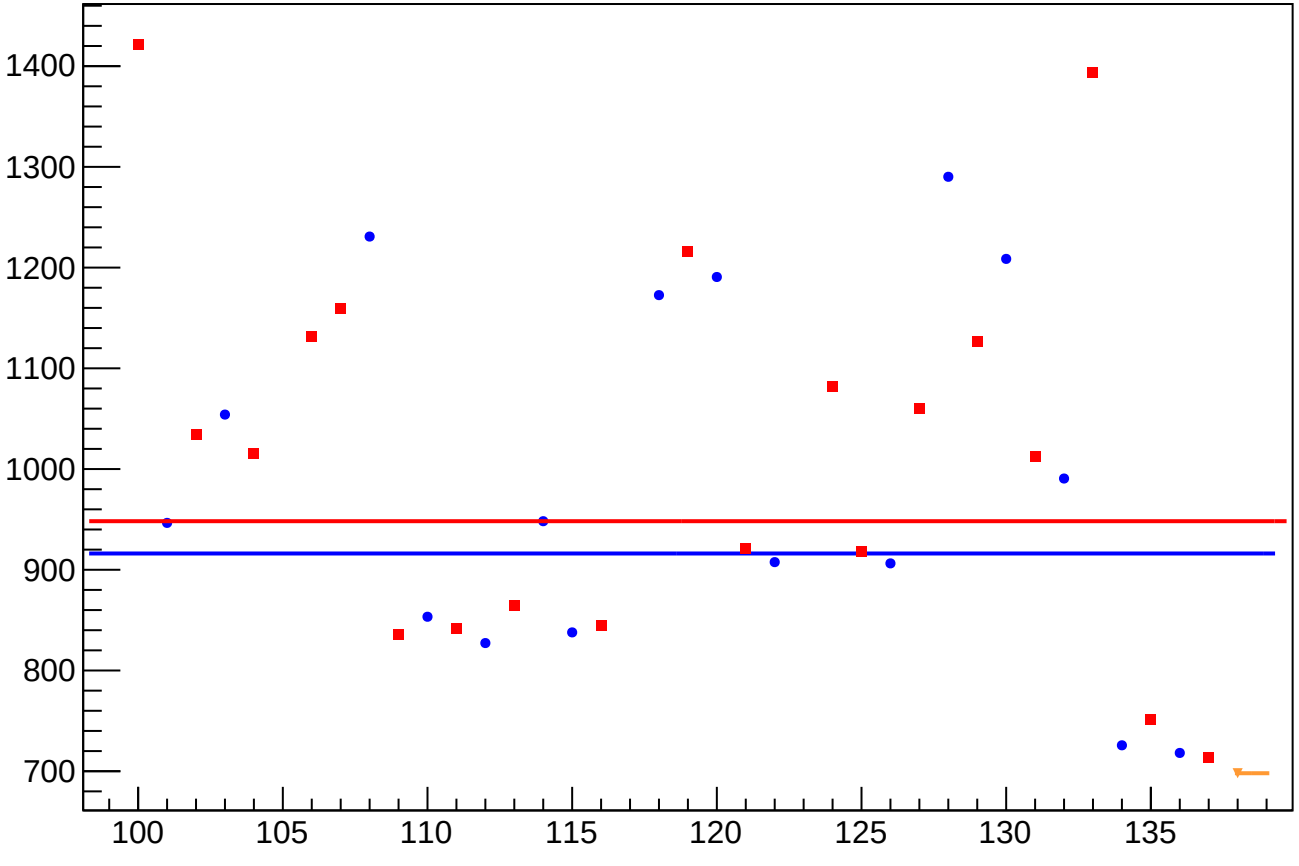
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: -437.444+/-348.880 χ^2/NDF:20.6/15

Out: 622.134+/-322.980 χ^2/NDF:12.3/19

All: 133.130+/-237.009 χ^2/NDF: 37.9/35

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 698.010+/-0.566 χ^2/NDF:0.0/0

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

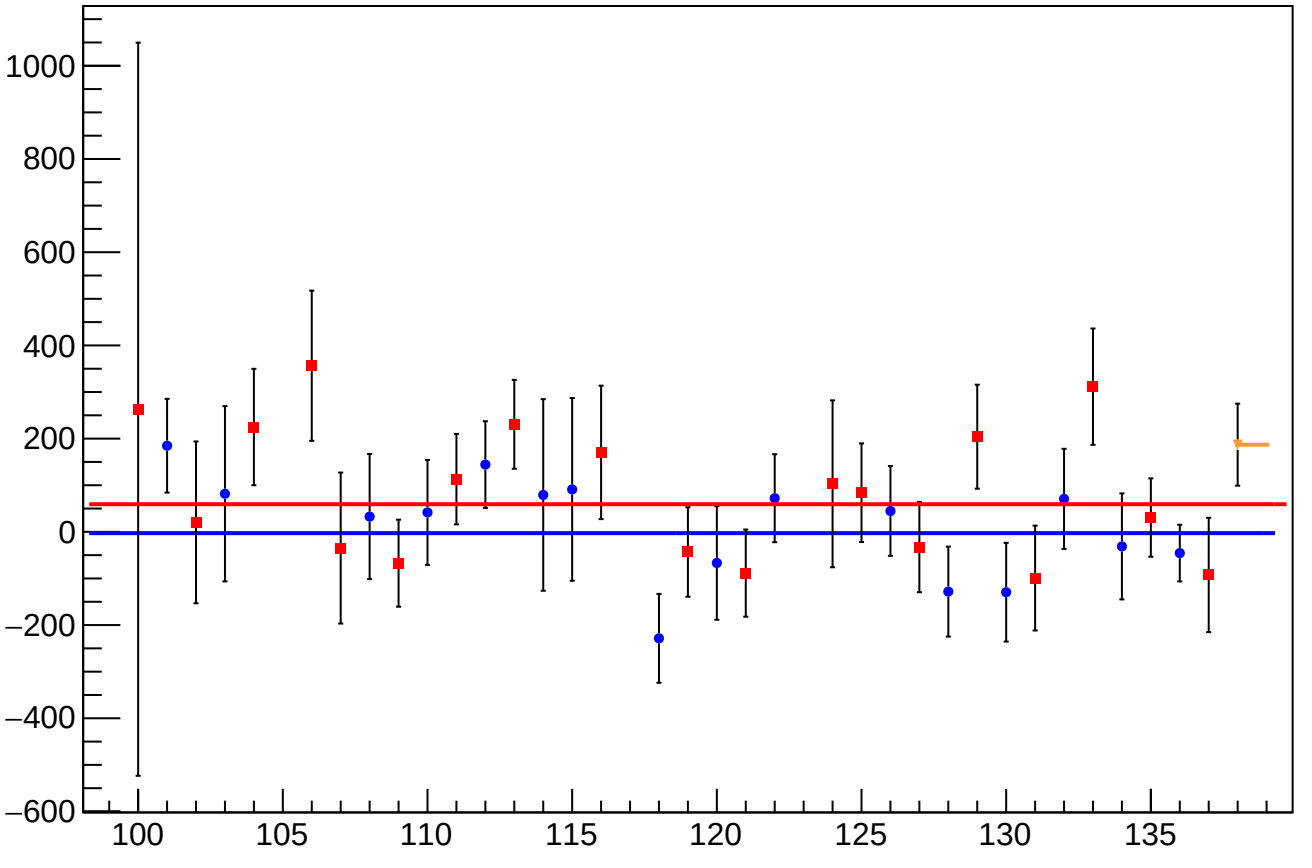
Left: 698.010+/-0.566 χ^2/NDF: 0.0/0

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 916.171+/-0.247 χ^2/NDF:509126.4/15

Out: 907.424+/-0.228 χ^2/NDF:579051.1/19

All: 911.460+/-0.168 χ^2/NDF: 1088854.5/35



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 187.009+/-87.996 χ^2/NDF:0.0/0

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

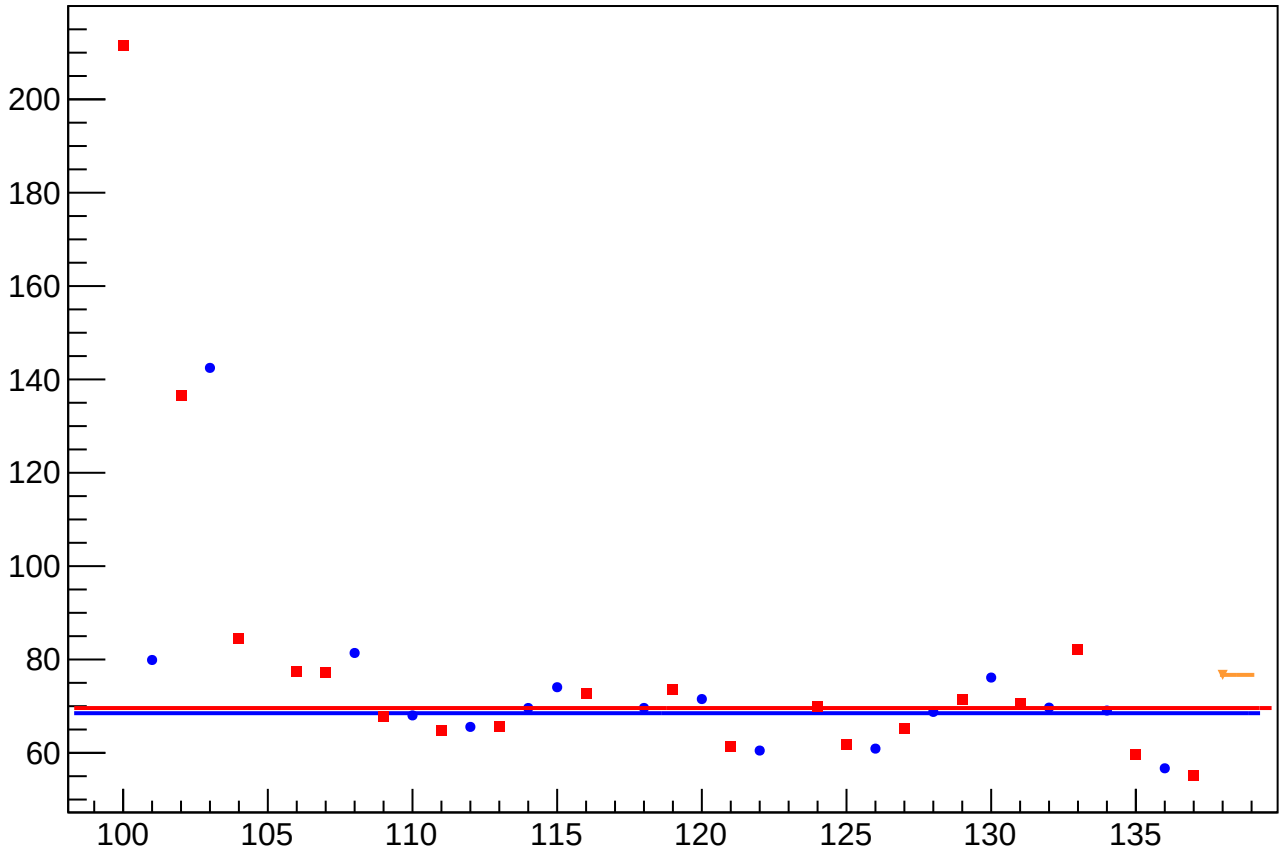
Left: 187.009+/-87.996 χ^2/NDF: 0.0/0

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: -2.773+/-26.213 χ^2/NDF:17.7/15

Out: 69.766+/-25.272 χ^2/NDF:27.6/19

All: 34.822+/-18.194 χ^2/NDF: 49.3/35



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 76.704+/-0.062 χ^2/NDF:0.0/0

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 76.704+/-0.062 χ^2/NDF: 0.0/0

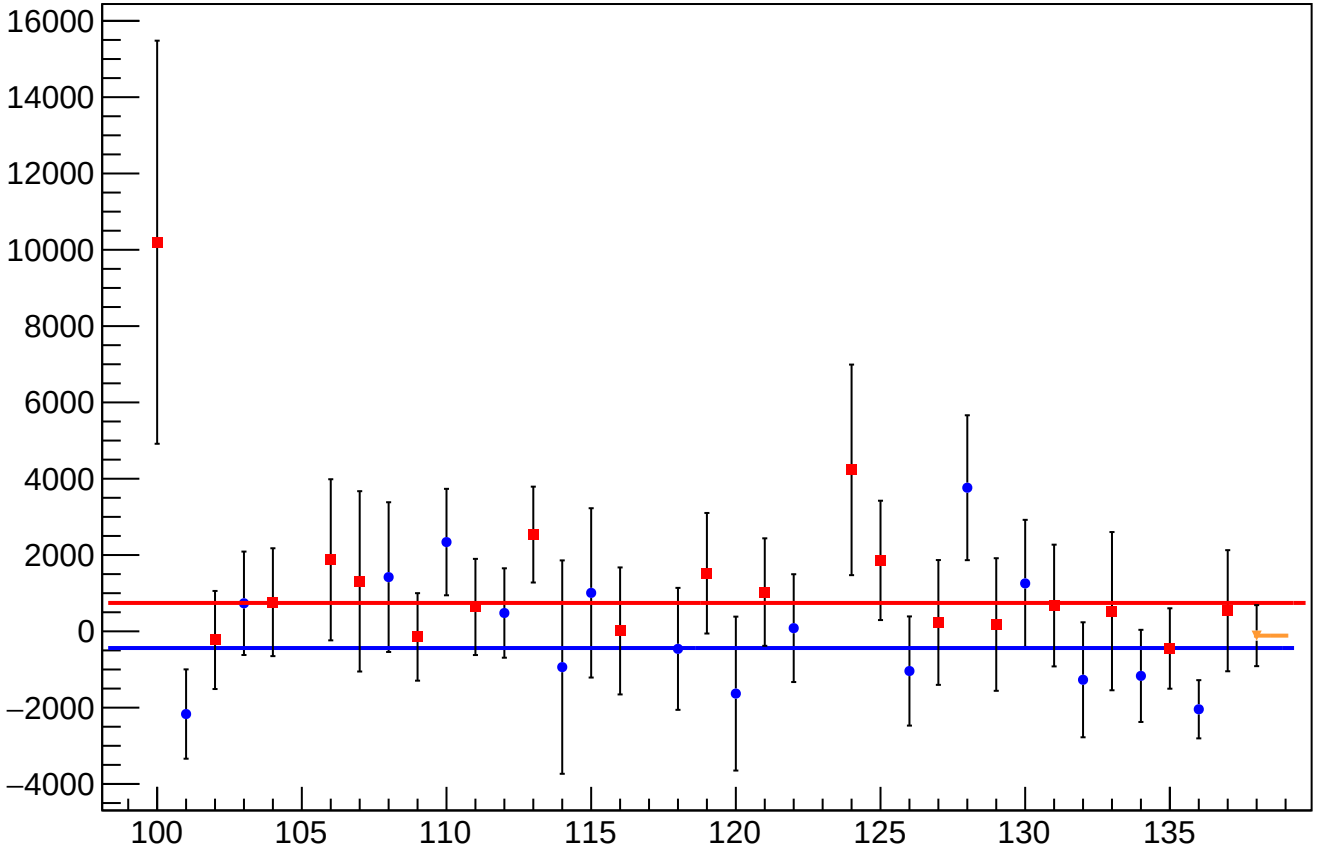
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 68.499+/-0.019 χ^2/NDF:471868.0/15

Out: 70.186+/-0.018 χ^2/NDF:531748.3/19

All: 69.373+/-0.013 χ^2/NDF: 1007913.8/35

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: -112.698+/-799.739 χ^2/NDF:0.0/0

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

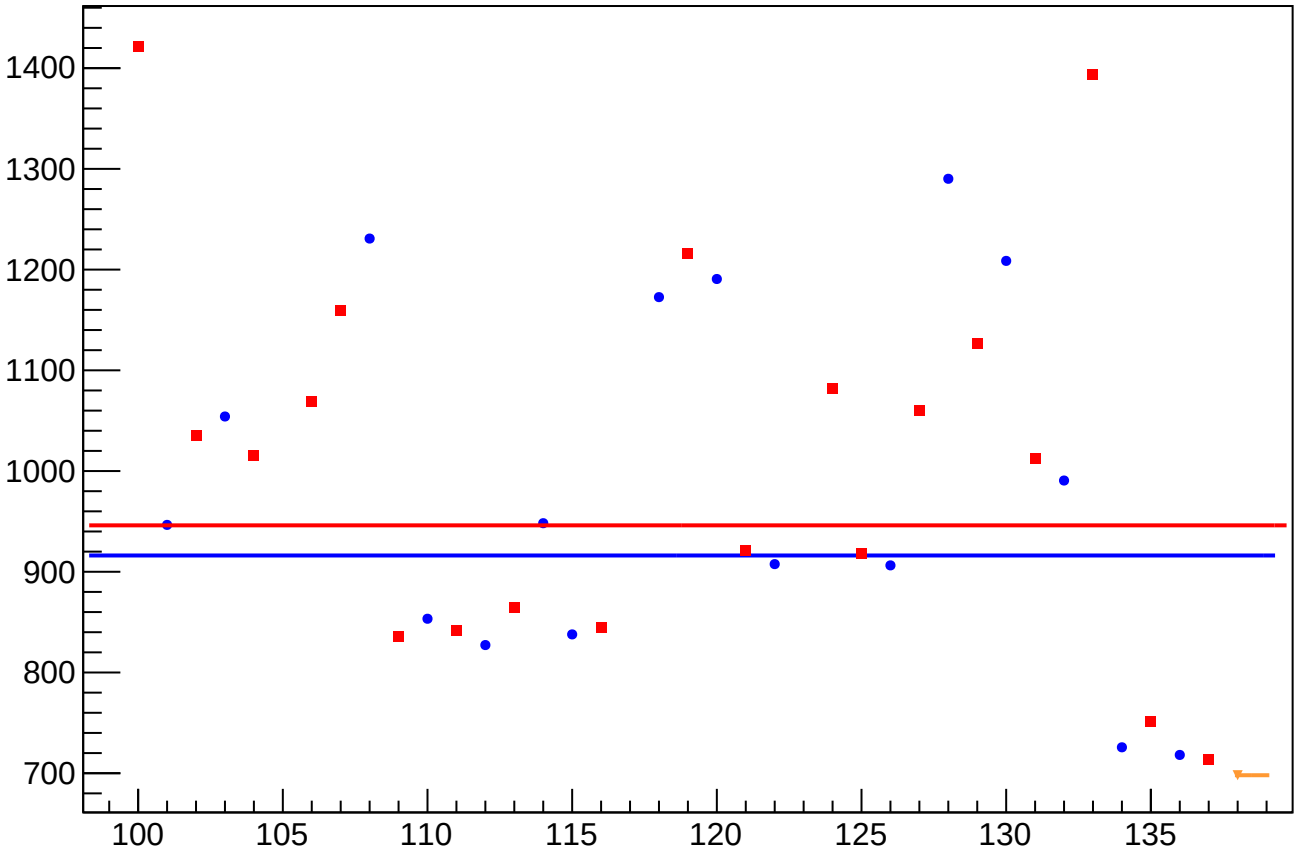
Left: -112.698+/-799.739 χ^2/NDF: 0.0/0

Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -437.415+/-348.881 χ^2/NDF:20.6/15

Out: 604.308+/-323.314 χ^2/NDF:11.8/19

All: 123.013+/-237.142 χ^2/NDF: 37.2/35



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 698.009+/-0.566 χ^2/NDF:0.0/0

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

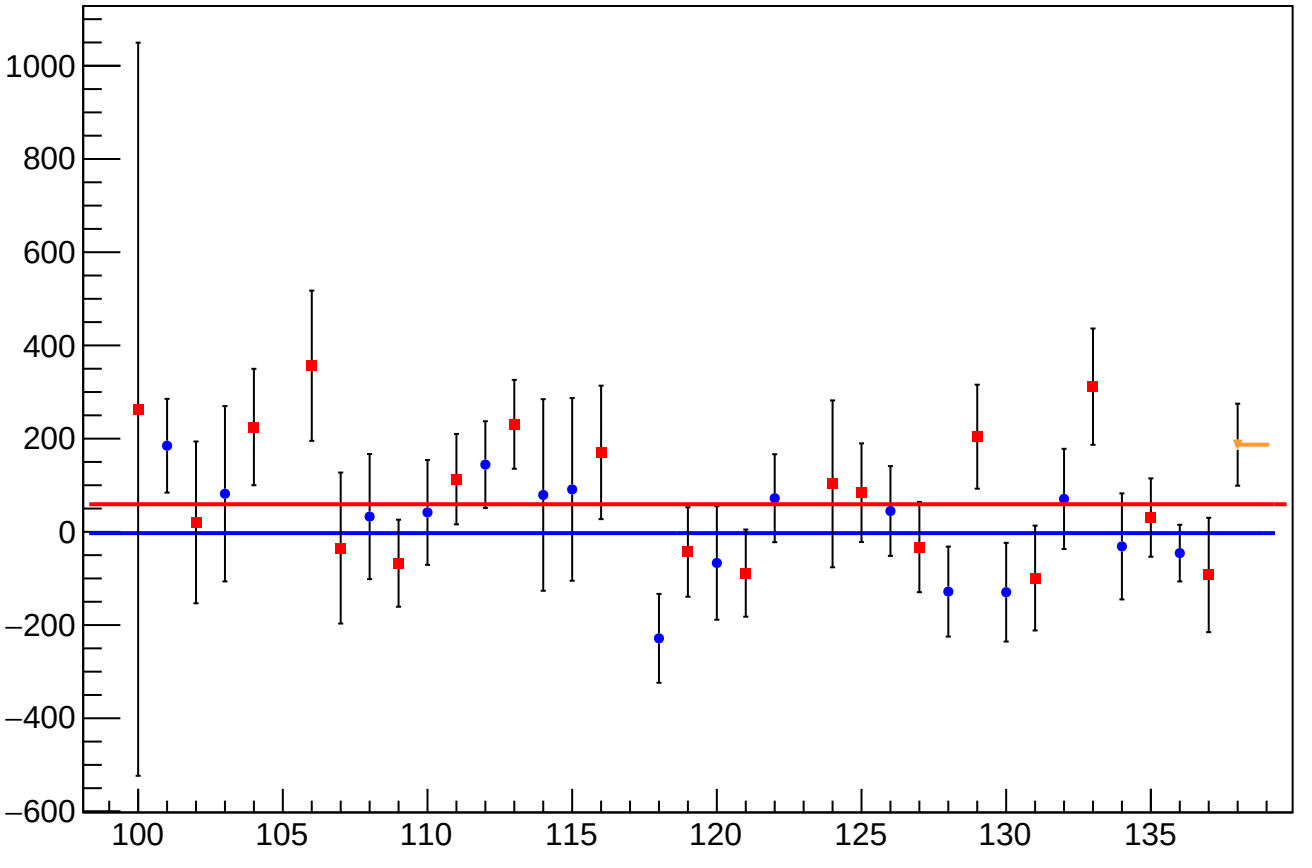
Left: 698.009+/-0.566 χ^2/NDF: 0.0/0

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 916.174+/-0.247 χ^2/NDF:509149.2/15

Out: 905.546+/-0.229 χ^2/NDF:566412.1/19

All: 910.457+/-0.168 χ^2/NDF: 1076559.8/35



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 187.009+/-87.996 χ^2/NDF:0.0/0

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

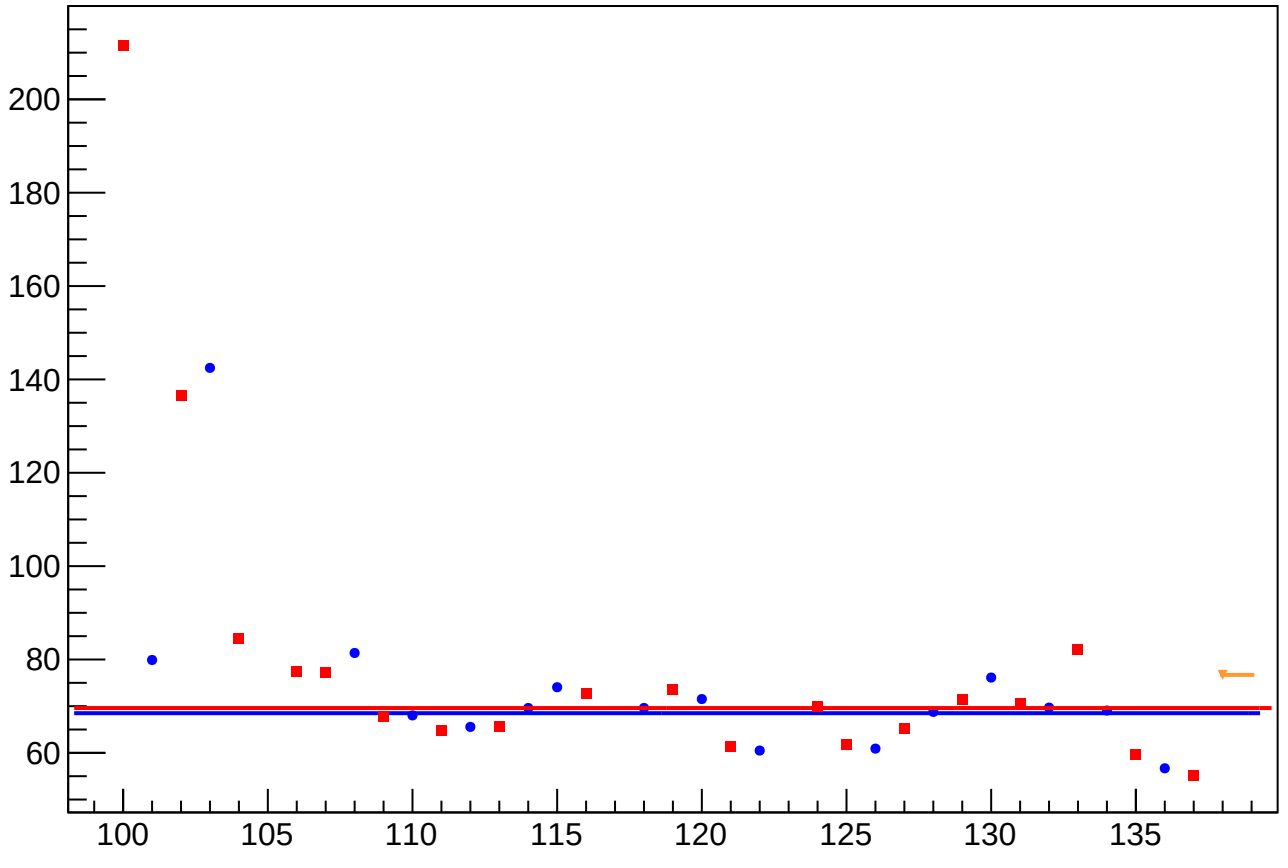
Left: 187.009+/-87.996 χ^2/NDF: 0.0/0

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: -2.773+/-26.213 χ^2/NDF:17.7/15

Out: 69.766+/-25.272 χ^2/NDF:27.6/19

All: 34.822+/-18.194 χ^2/NDF: 49.3/35



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 76.704+/-0.062 χ^2/NDF:0.0/0

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 76.704+/-0.062 χ^2/NDF: 0.0/0

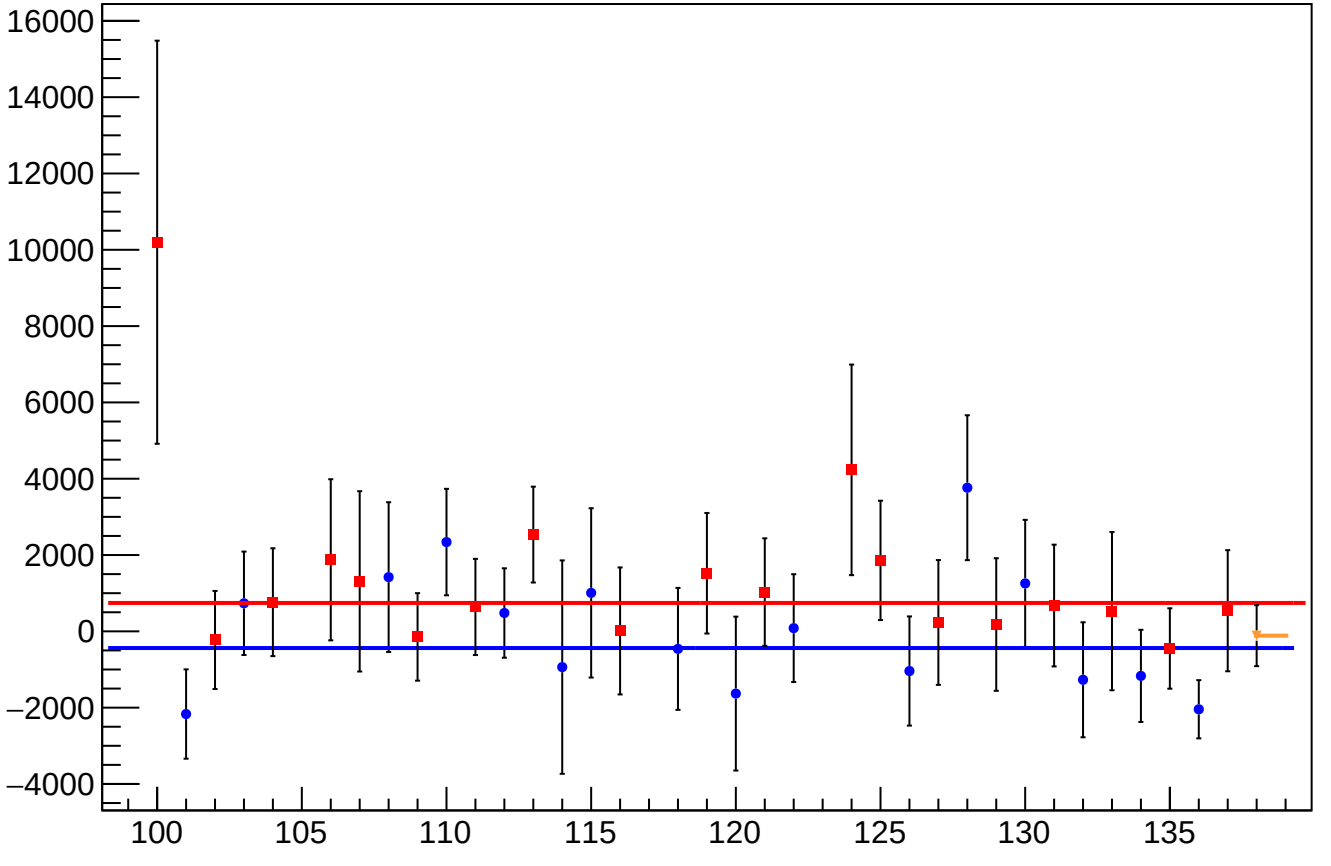
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 68.499+/-0.019 χ^2/NDF:471868.0/15

Out: 70.186+/-0.018 χ^2/NDF:531748.3/19

All: 69.373+/-0.013 χ^2/NDF: 1007913.8/35

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: -112.698+/-799.739 χ^2/NDF:0.0/0

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -112.698+/-799.739 χ^2/NDF: 0.0/0

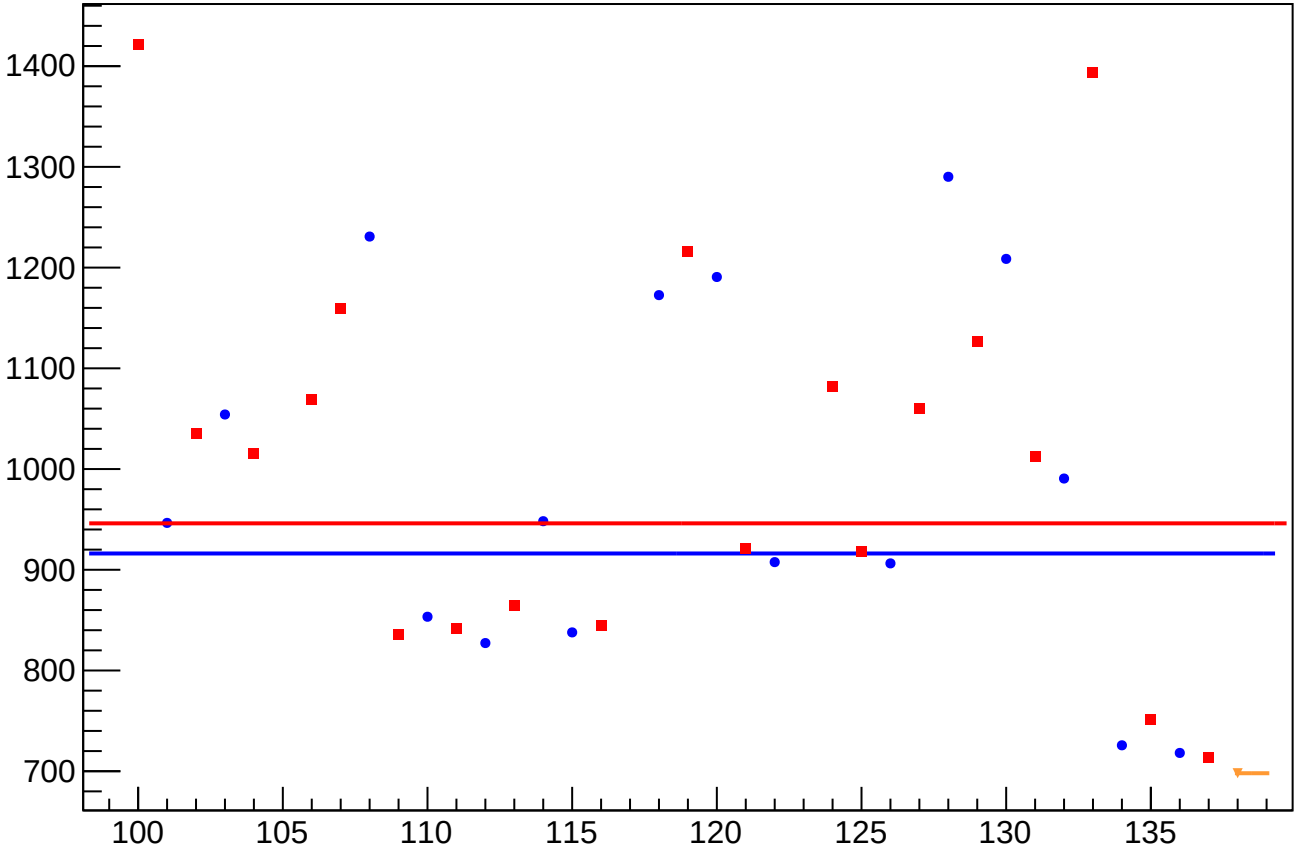
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -437.415+/-348.881 χ^2/NDF:20.6/15

Out: 604.308+/-323.314 χ^2/NDF:11.8/19

All: 123.013+/-237.142 χ^2/NDF: 37.2/35

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: 698.009+/-0.566 χ^2/NDF:0.0/0

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

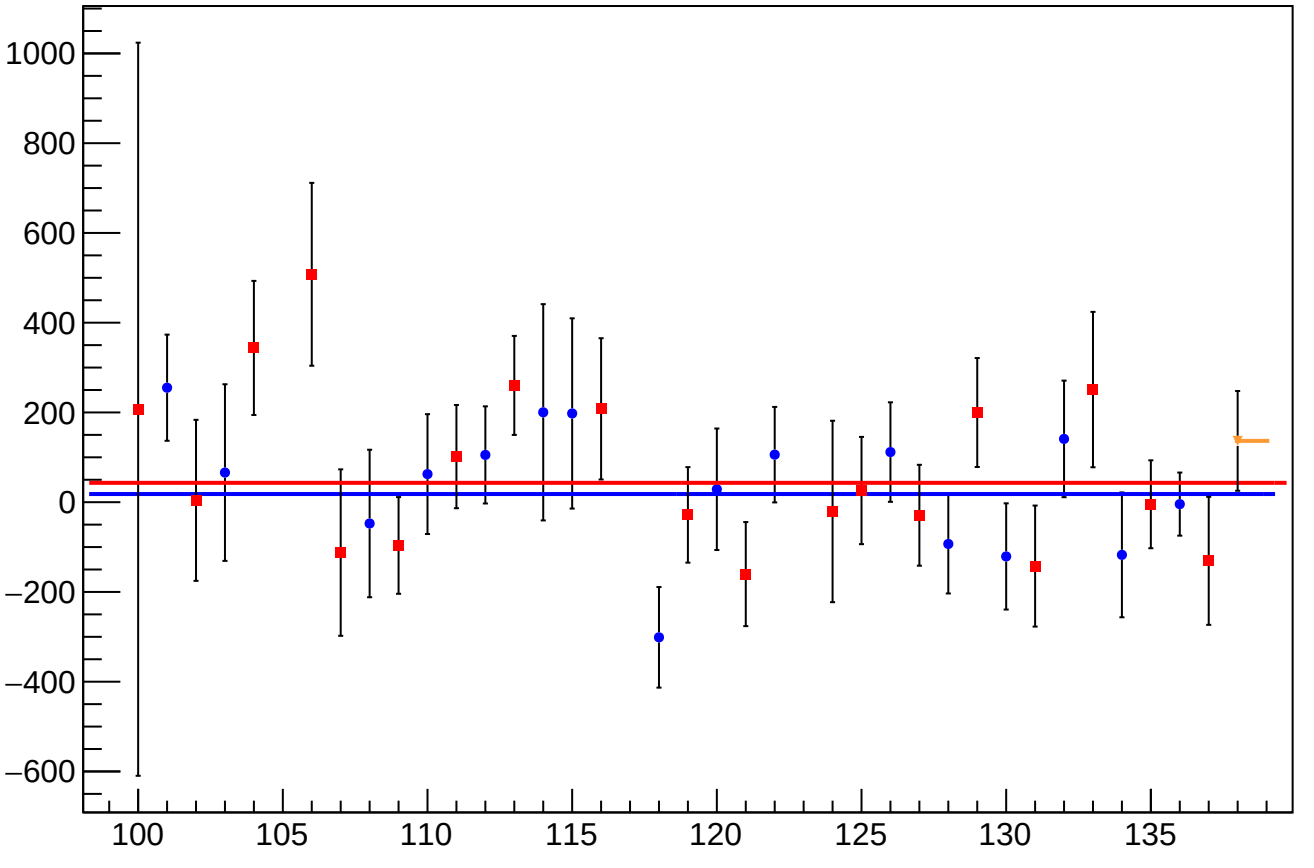
Left: 698.009+/-0.566 χ^2/NDF: 0.0/0

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 916.174+/-0.247 χ^2/NDF:509149.2/15

Out: 905.546+/-0.229 χ^2/NDF:566412.1/19

All: 910.457+/-0.168 χ^2/NDF: 1076559.8/35



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 136.618+/-111.158 χ^2/NDF:0.0/0

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

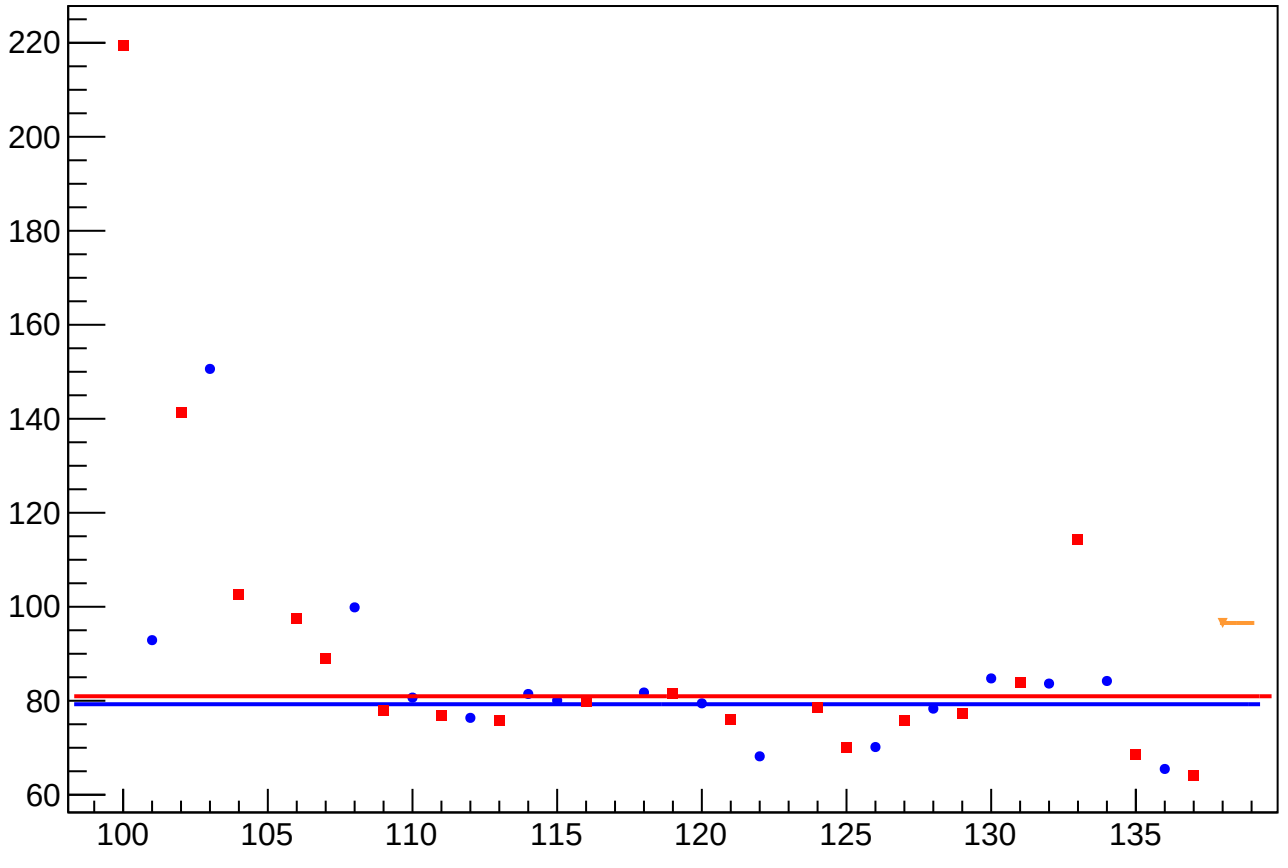
Left: 136.618+/-111.158 χ^2/NDF: 0.0/0

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 18.175+/-30.346 χ^2/NDF:20.1/15

Out: 49.773+/-29.599 χ^2/NDF:28.4/19

All: 34.368+/-21.189 χ^2/NDF: 49.1/35



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 96.550+/-0.079 χ^2/NDF:0.0/0

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 96.550+/-0.079 χ^2/NDF: 0.0/0

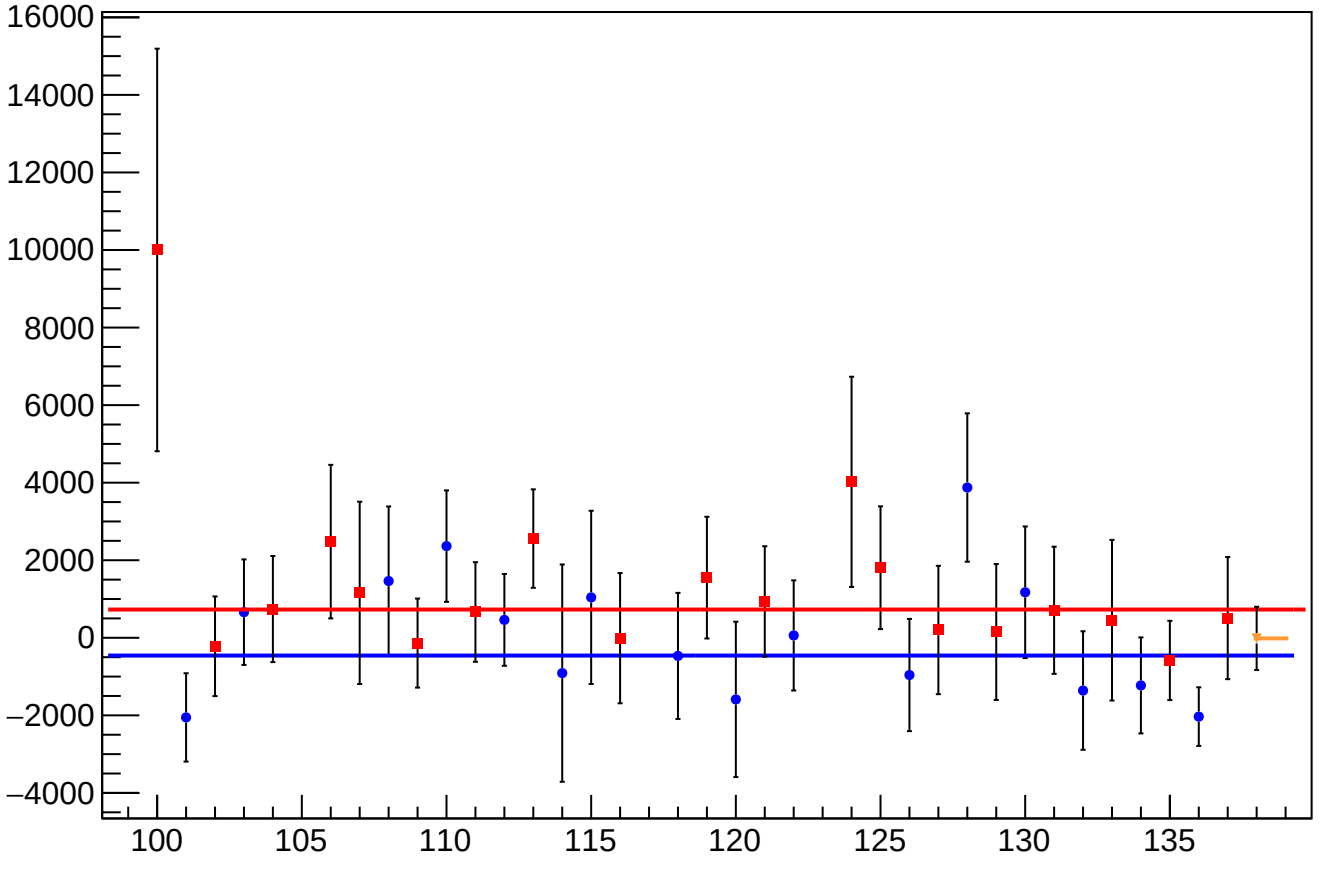
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 79.263+/-0.021 χ^2/NDF:444951.1/15

Out: 82.064+/-0.021 χ^2/NDF:550743.9/19

All: 80.698+/-0.015 χ^2/NDF: 1004425.7/35

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: -15.123+/-815.915 χ^2/NDF:0.0/0

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -15.123+/-815.915 χ^2/NDF: 0.0/0

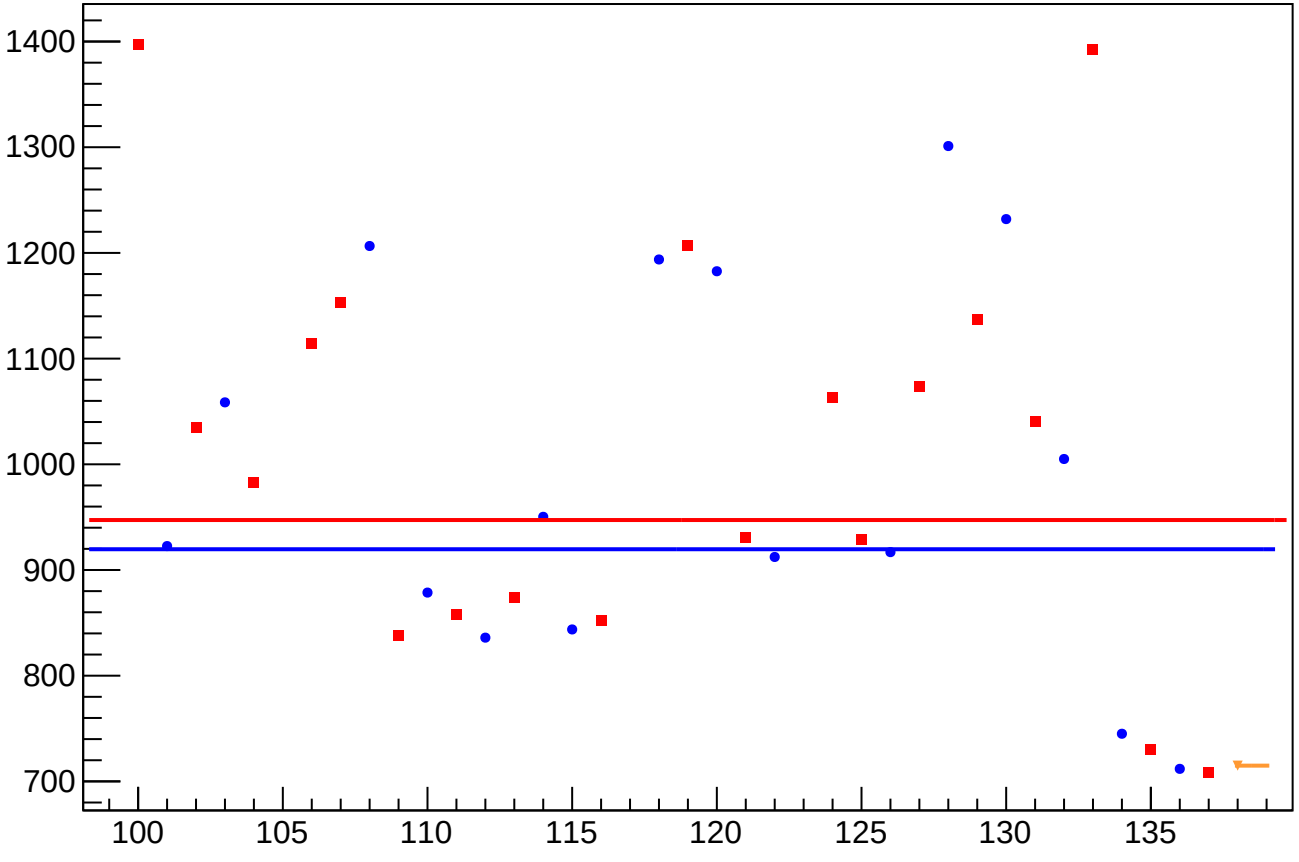
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: -458.108+/-350.075 χ^2/NDF:20.3/15

Out: 611.704+/-323.649 χ^2/NDF:12.2/19

All: 118.695+/-237.648 χ^2/NDF: 37.5/35

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: 714.892+/-0.577 χ^2/NDF:0.0/0

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

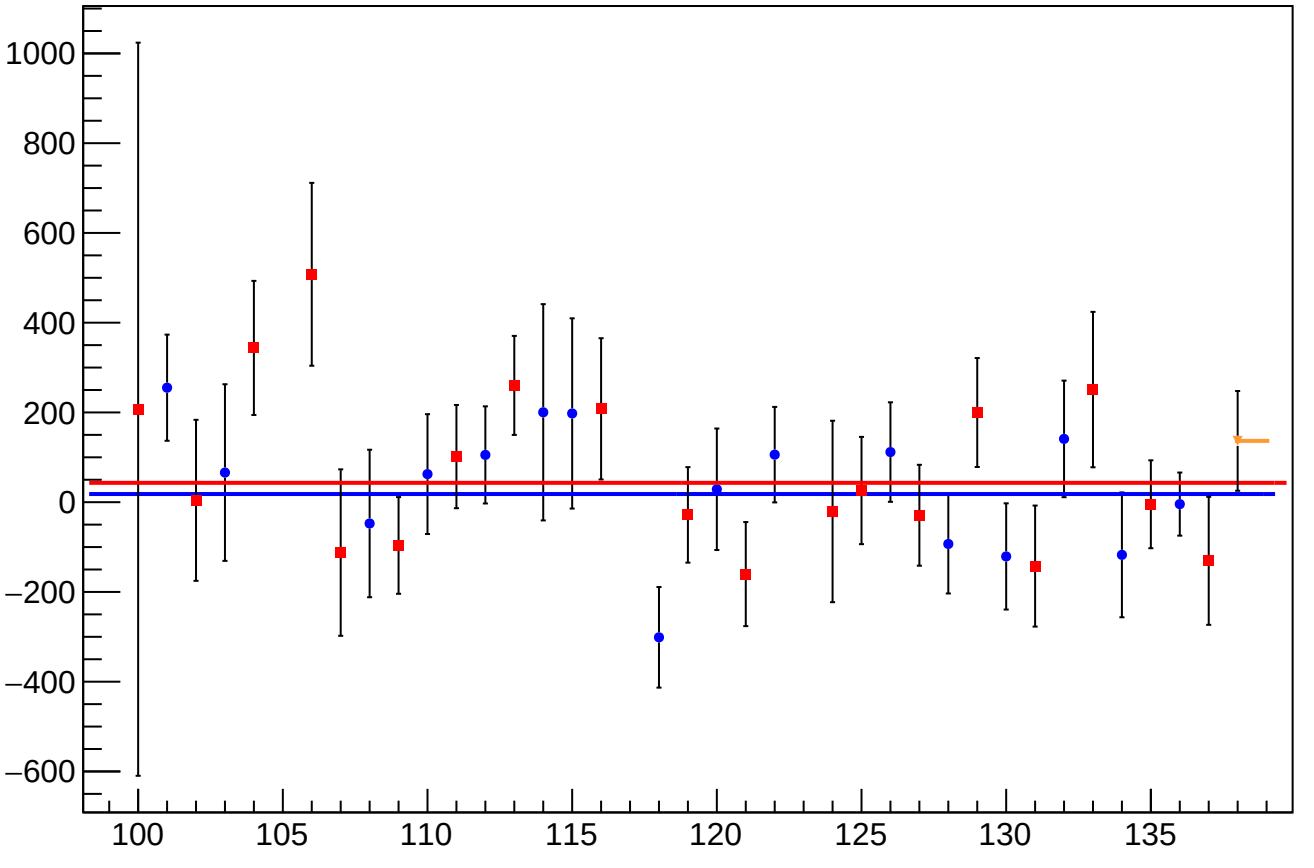
Left: 714.892+/-0.577 χ^2/NDF: 0.0/0

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 919.638+/-0.248 χ^2/NDF:515443.8/15

Out: 910.708+/-0.229 χ^2/NDF:562269.7/19

All: 914.823+/-0.168 χ^2/NDF: 1078415.3/35



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 136.612+/-111.158 χ^2/NDF:0.0/0

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

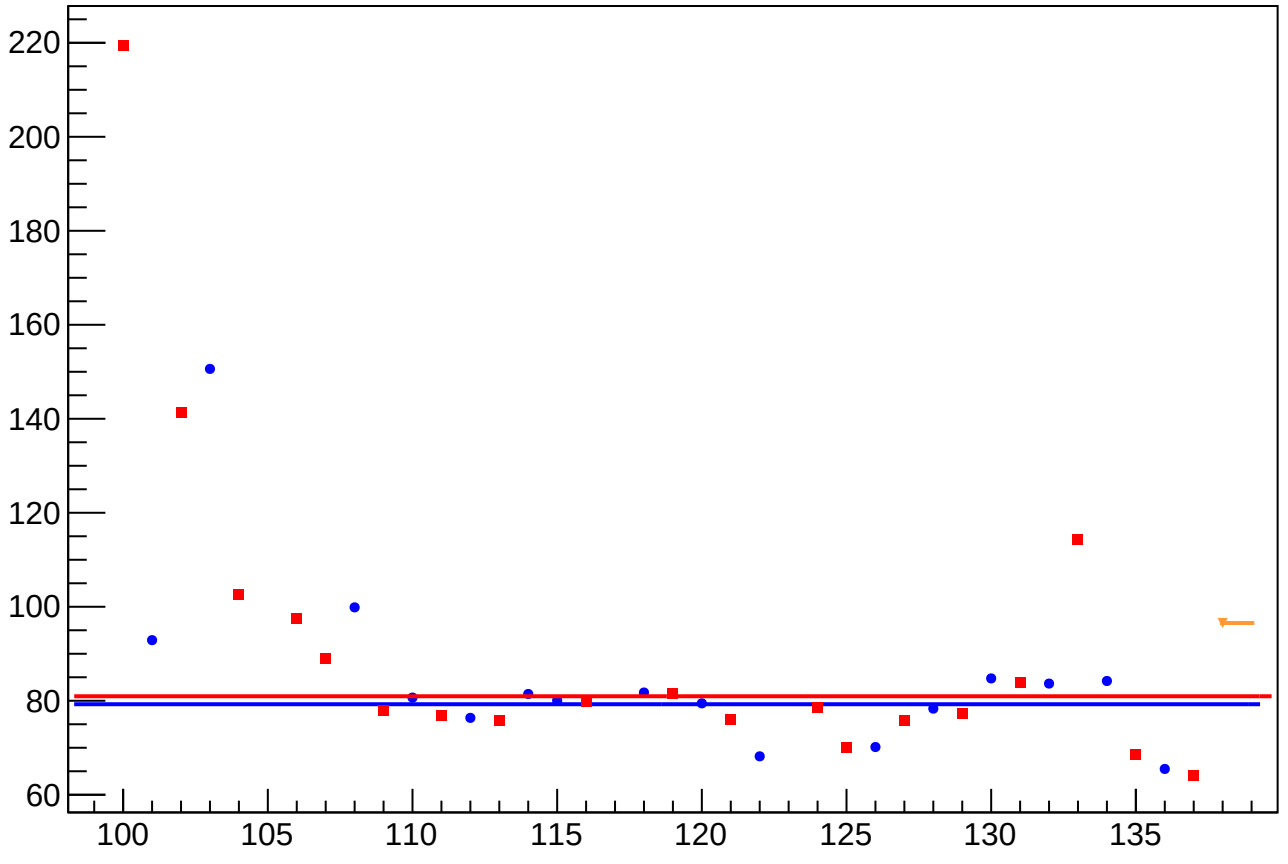
Left: 136.612+/-111.158 χ^2/NDF: 0.0/0

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 18.175+/-30.346 χ^2/NDF:20.1/15

Out: 49.771+/-29.598 χ^2/NDF:28.4/19

All: 34.367+/-21.189 χ^2/NDF: 49.1/35



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 96.550+/-0.079 χ^2/NDF:0.0/0

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 96.550+/-0.079 χ^2/NDF: 0.0/0

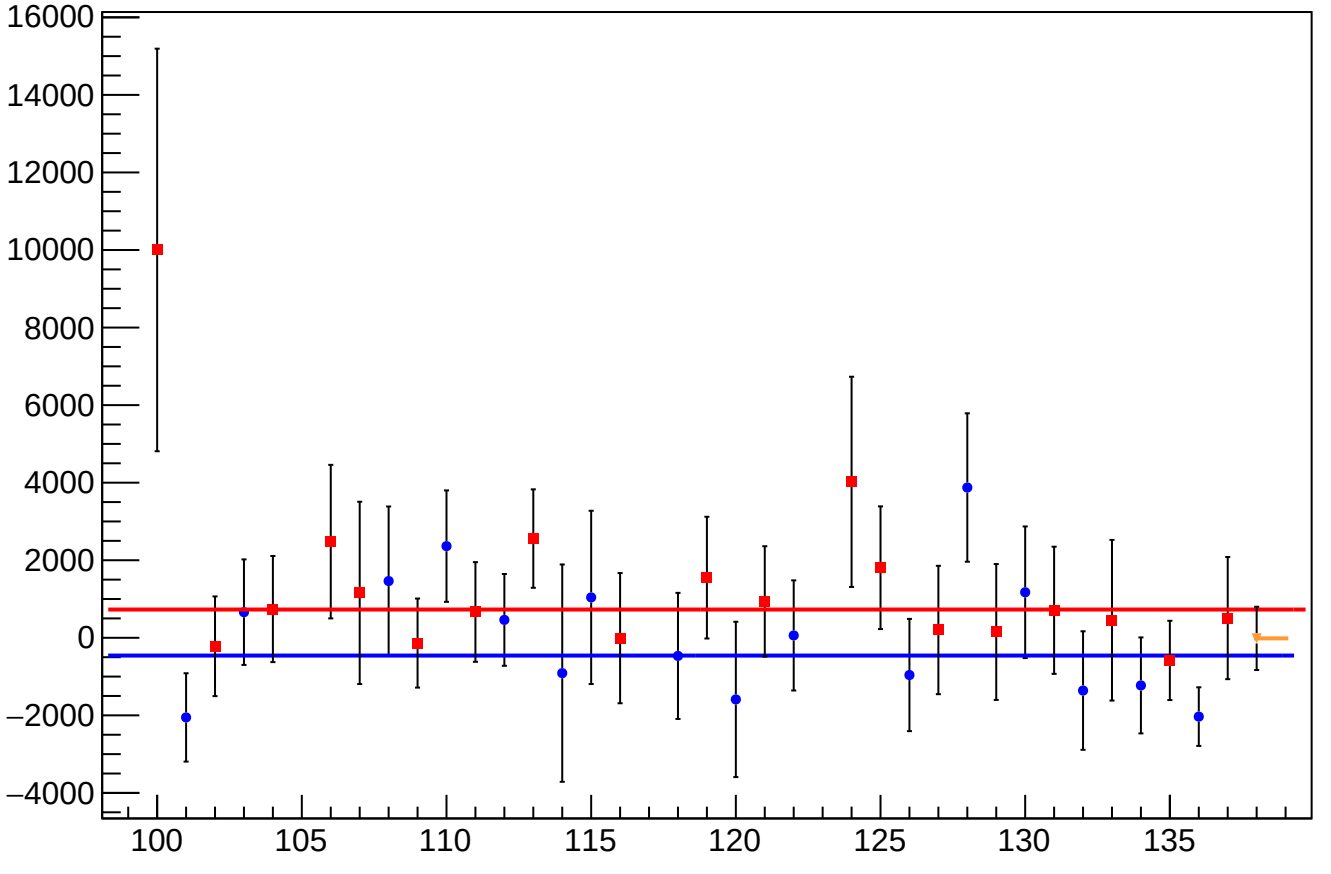
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 79.263+/-0.021 χ^2/NDF:444948.4/15

Out: 82.064+/-0.021 χ^2/NDF:550752.5/19

All: 80.698+/-0.015 χ^2/NDF: 1004431.9/35

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: -15.129+/-815.913 χ^2/NDF:0.0/0

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -15.129+/-815.913 χ^2/NDF: 0.0/0

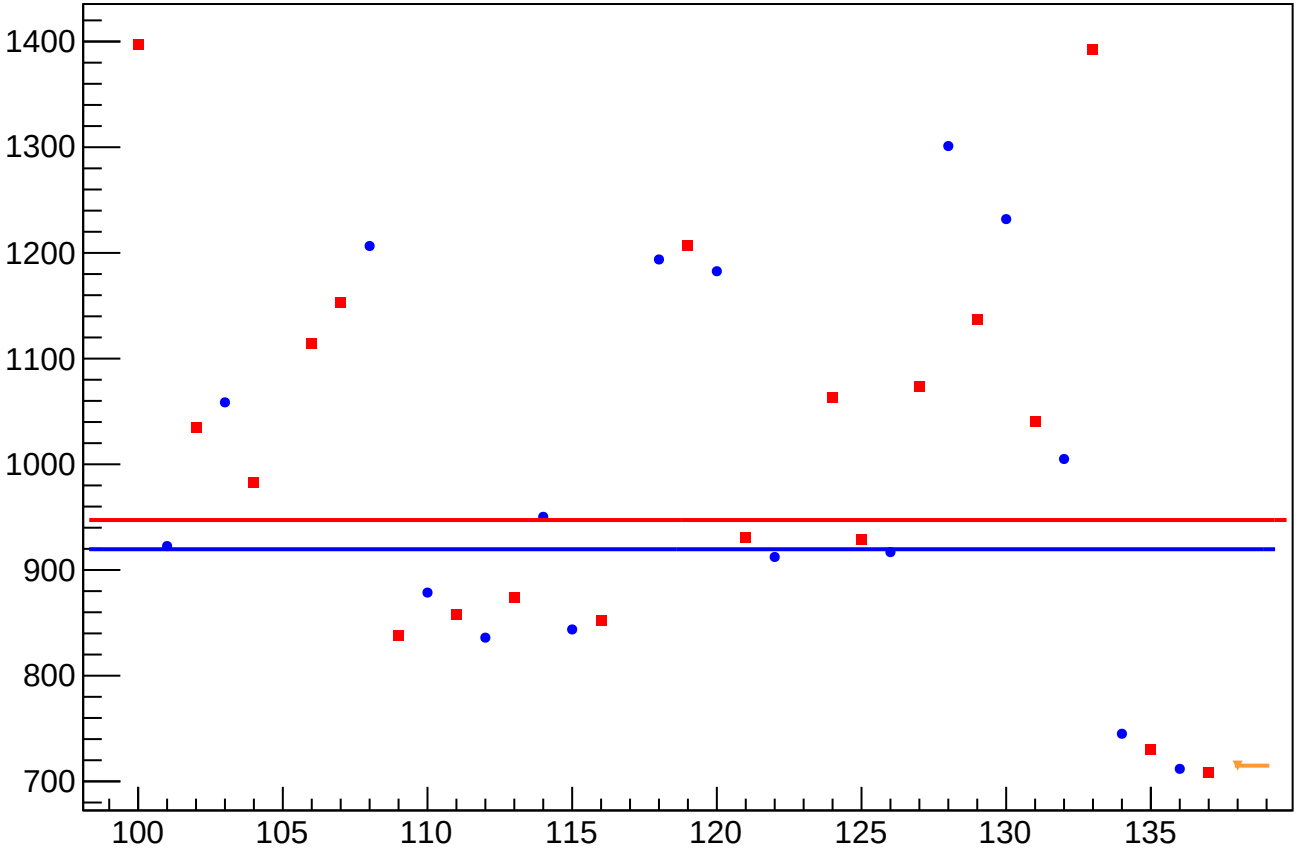
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: -458.104+/-350.074 χ^2/NDF:20.3/15

Out: 611.702+/-323.648 χ^2/NDF:12.2/19

All: 118.696+/-237.648 χ^2/NDF: 37.5/35

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: 714.890+/-0.577 χ^2/NDF:0.0/0

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 714.890+/-0.577 χ^2/NDF: 0.0/0

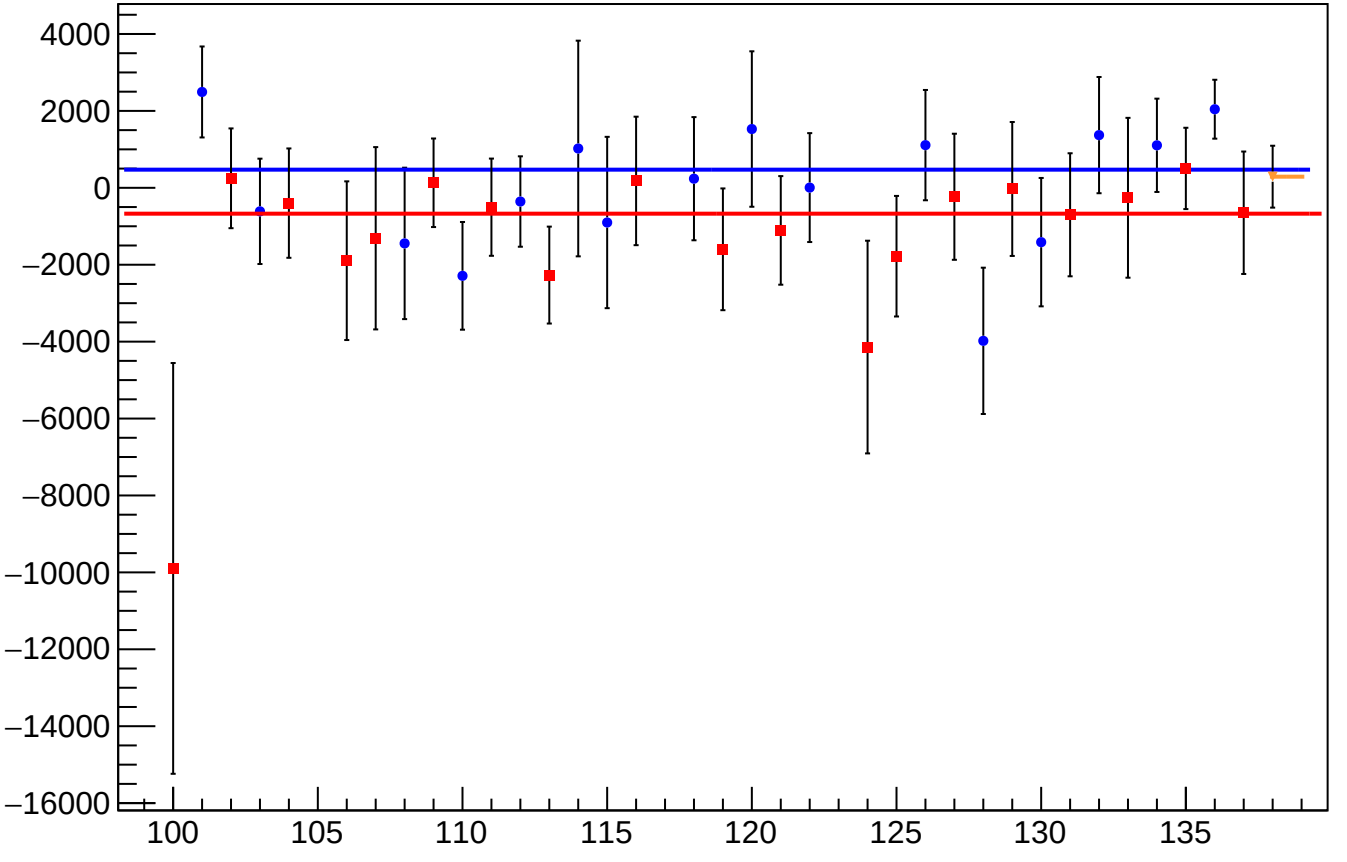
Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 919.636+/-0.248 χ^2/NDF:515443.9/15

Out: 910.706+/-0.229 χ^2/NDF:562271.3/19

All: 914.821+/-0.168 χ^2/NDF: 1078417.0/35

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 289.642+/-804.660 χ^2/NDF:0.0/0

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

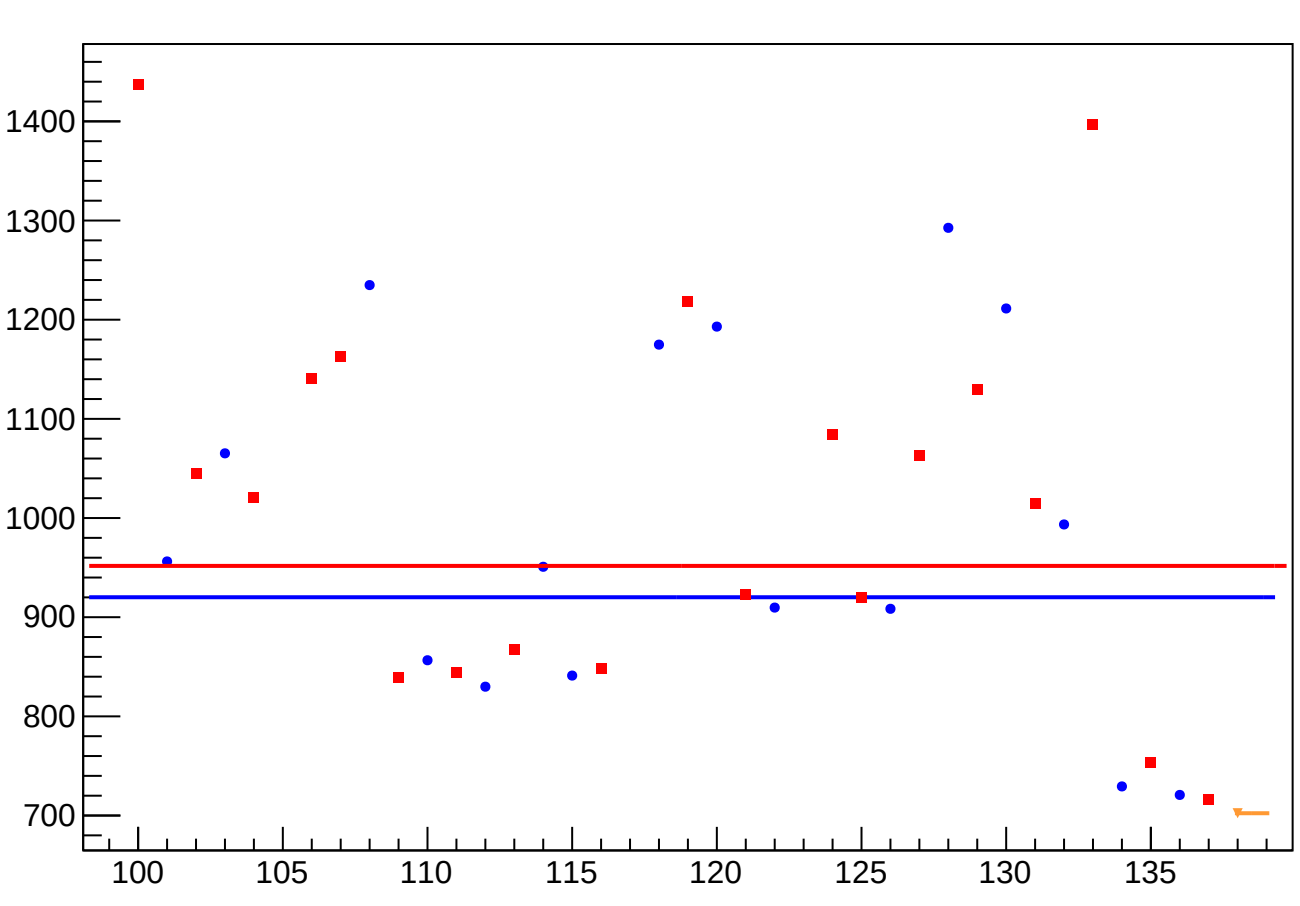
Left: 289.642+/-804.660 χ^2/NDF: 0.0/0

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 472.014+/-350.376 χ^2/NDF:21.5/15

Out: -516.132+/-324.422 χ^2/NDF:11.5/19

All: -60.009+/-238.048 χ^2/NDF: 37.3/35



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 702.316+/-0.569 χ^2/NDF:0.0/0

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

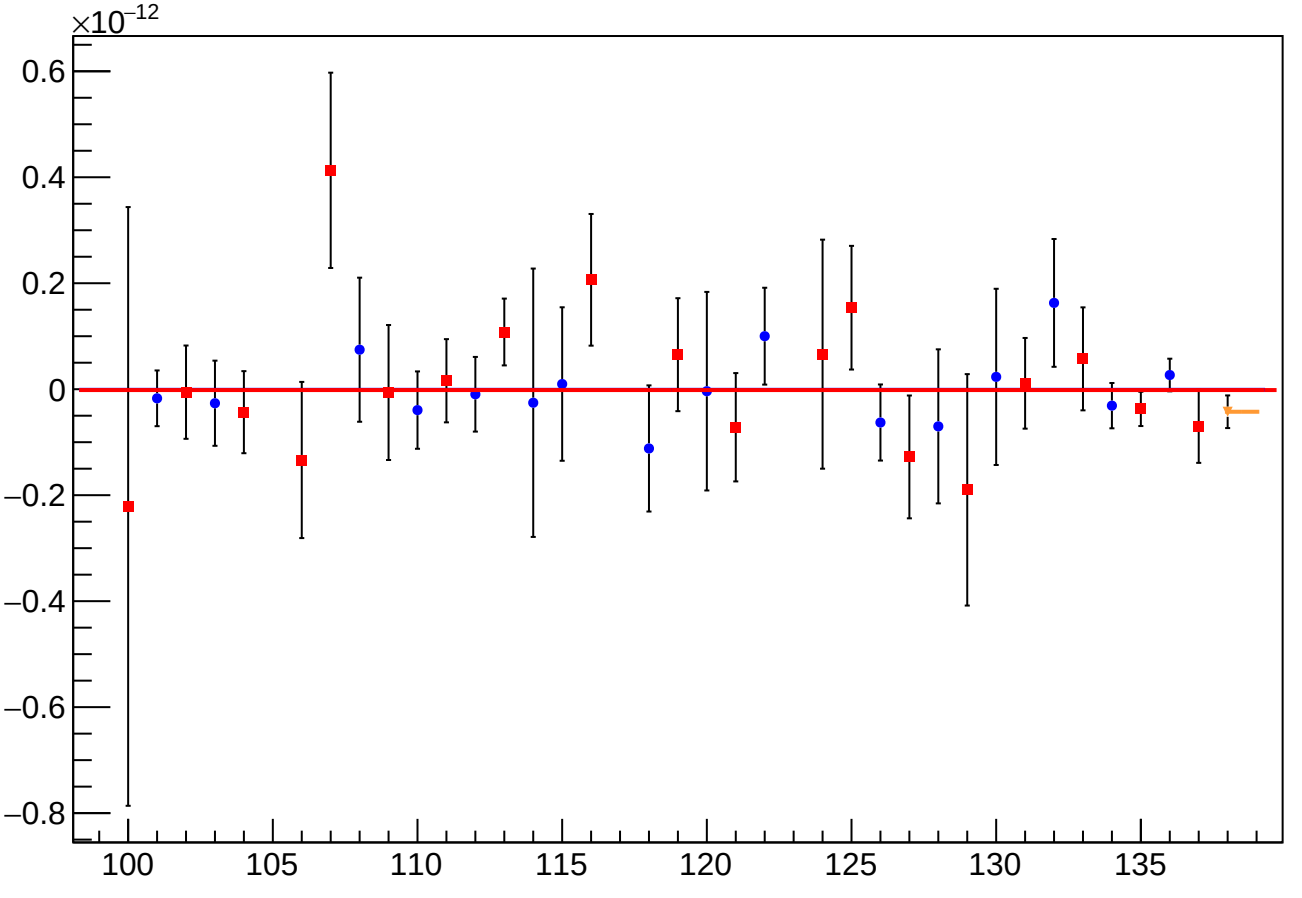
Left: 702.316+/-0.569 χ^2/NDF: 0.0/0

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 920.125+/-0.248 χ^2/NDF:508678.6/15

Out: 911.184+/-0.229 χ^2/NDF:577029.5/19

All: 915.311+/-0.168 χ^2/NDF: 1086409.4/35



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

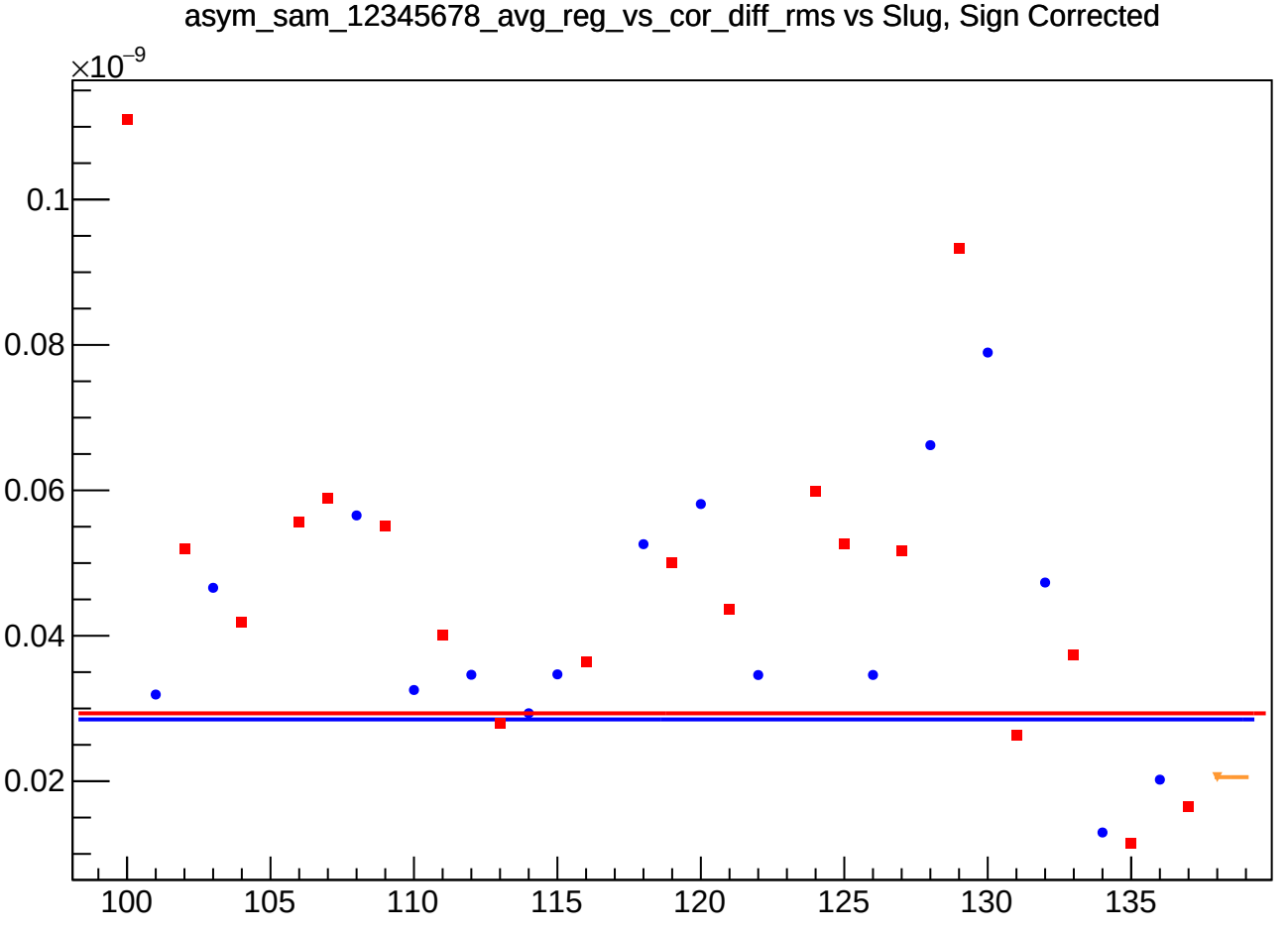
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: -0.000+/-0.000 χ^2/NDF:7.0/15

Out: -0.000+/-0.000 χ^2/NDF:20.7/19

All: -0.000+/-0.000 χ^2/NDF: 28.0/35



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

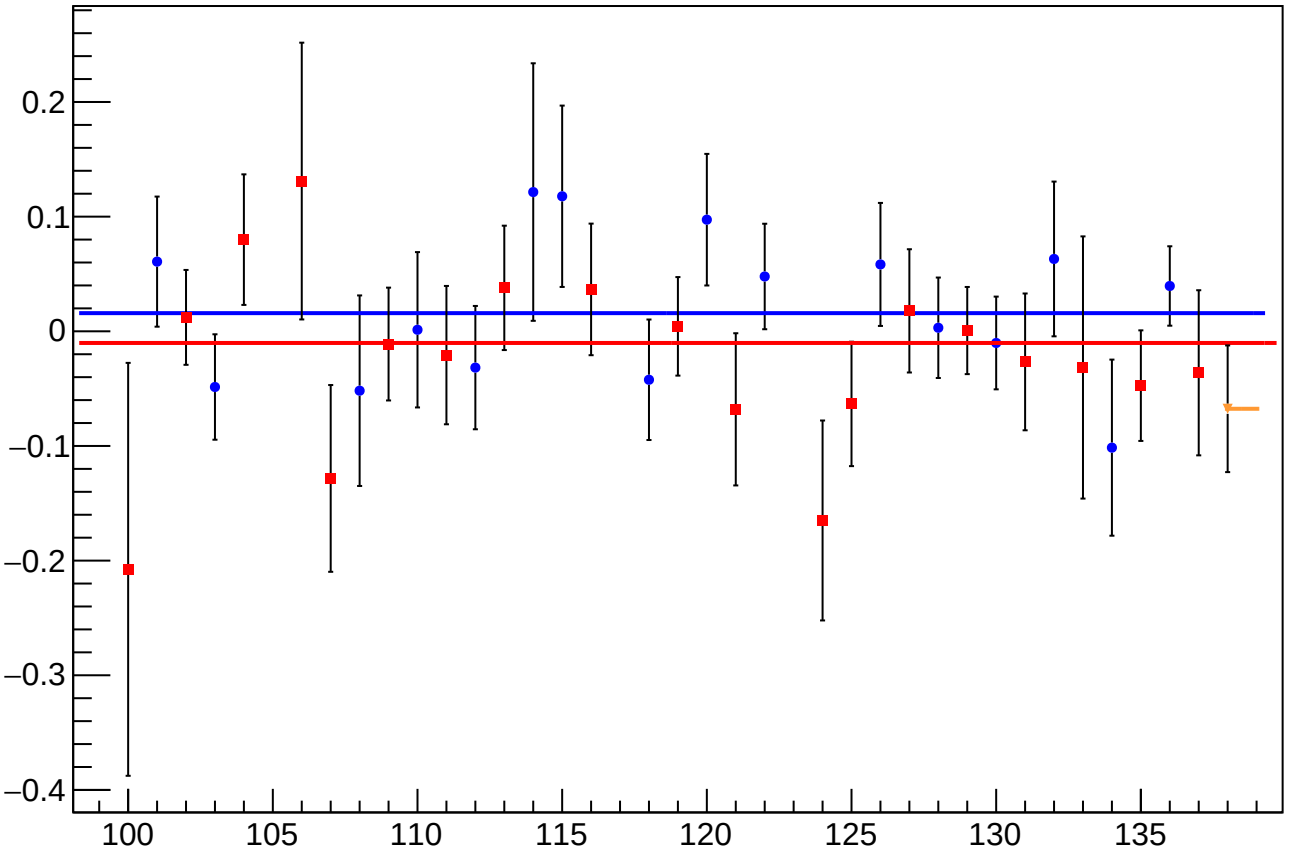
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:1152293.4/15

Out: 0.000+/-0.000 χ^2/NDF:1762629.0/19

All: 0.000+/-0.000 χ^2/NDF: 2924045.9/35



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.068+/-0.055 χ^2/NDF:0.0/0

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.068+/-0.055 χ^2/NDF: 0.0/0

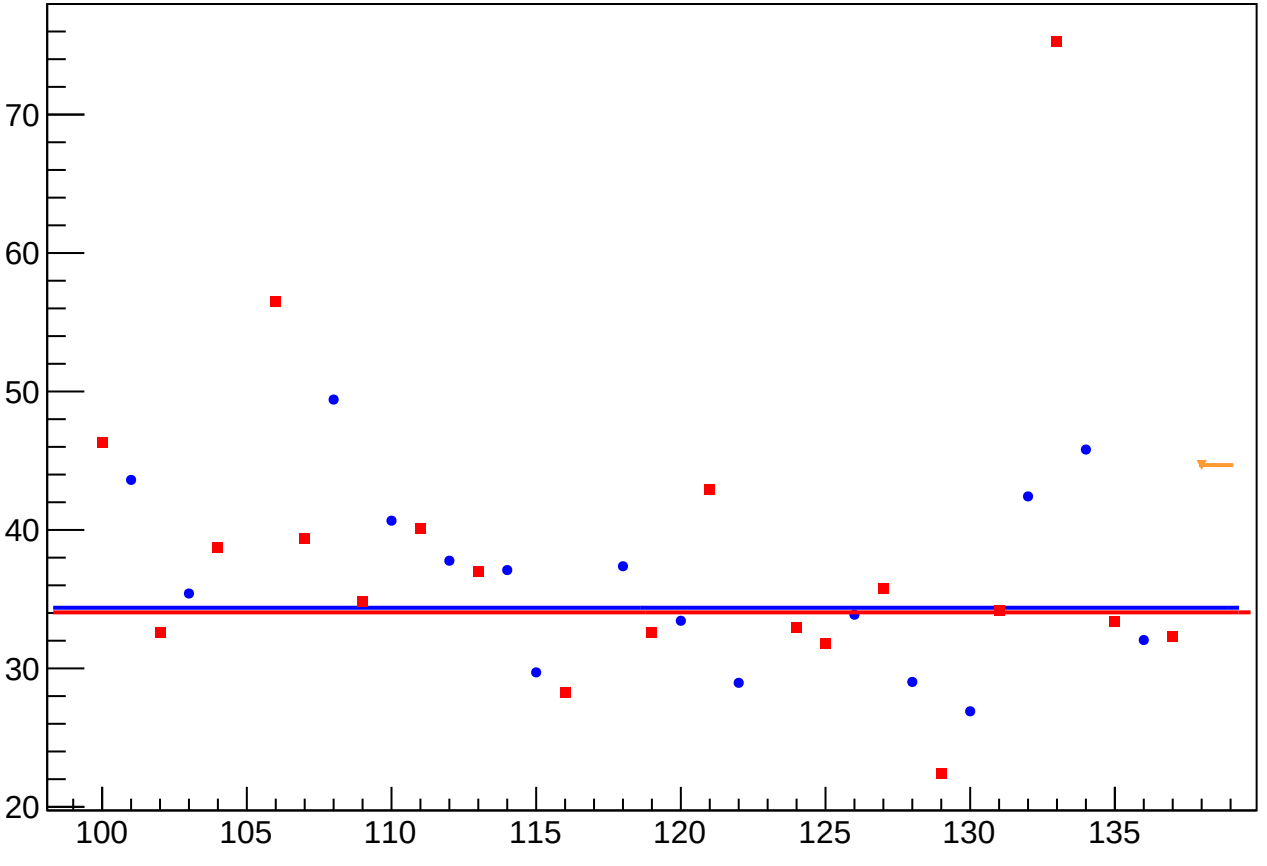
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.013 χ^2/NDF:14.8/15

Out: -0.013+/-0.013 χ^2/NDF:16.1/19

All: 0.001+/-0.009 χ^2/NDF: 33.4/35

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 44.685+/-0.039 χ^2/NDF:0.0/0

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

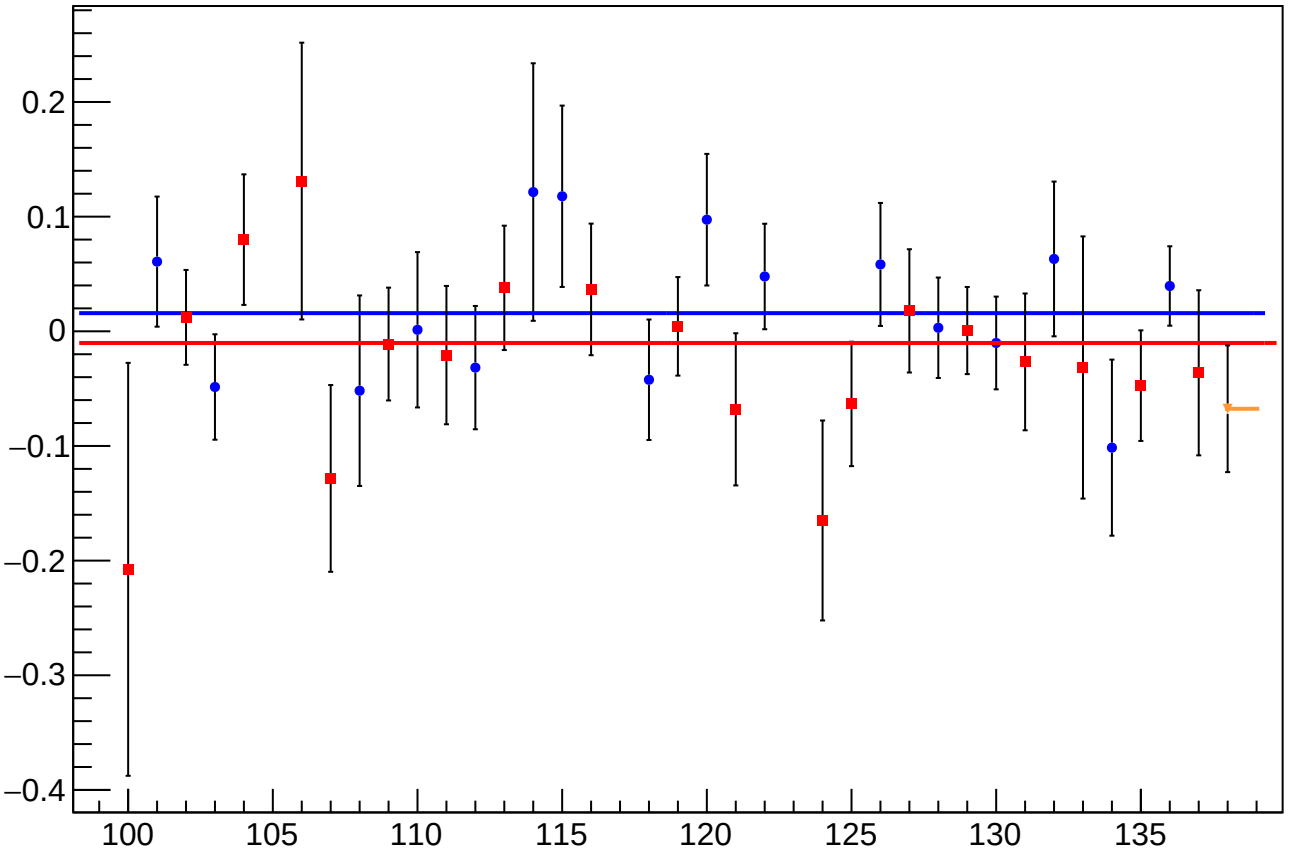
Left: 44.685+/-0.039 χ^2/NDF: 0.0/0

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.382+/-0.009 χ^2/NDF:367883.0/15

Out: 34.623+/-0.009 χ^2/NDF:712855.1/19

All: 34.507+/-0.007 χ^2/NDF: 1081074.6/35



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.068+/-0.055 χ^2/NDF:0.0/0

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.068+/-0.055 χ^2/NDF: 0.0/0

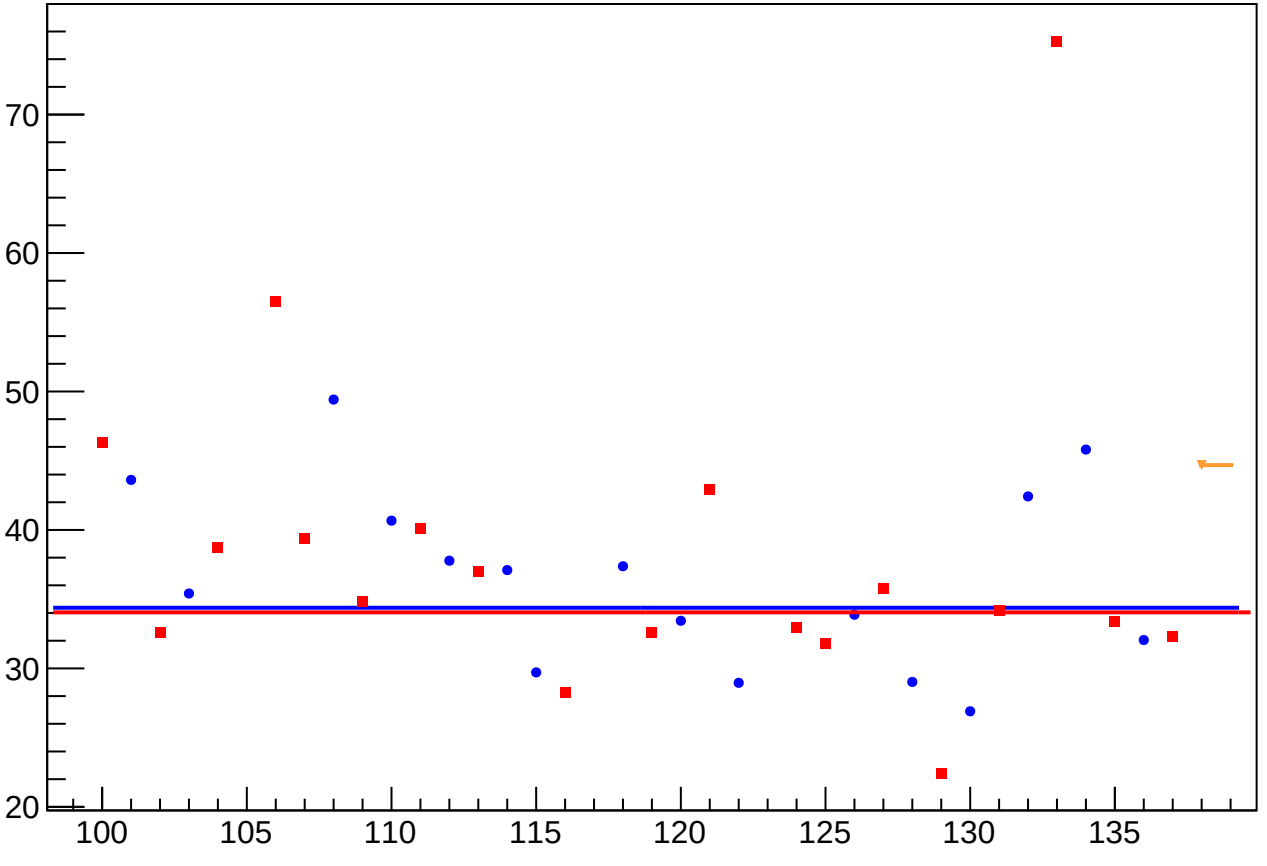
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.013 χ^2/NDF:14.8/15

Out: -0.013+/-0.013 χ^2/NDF:16.1/19

All: 0.001+/-0.009 χ^2/NDF: 33.4/35

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: 44.685+/-0.039 χ^2/NDF:0.0/0

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

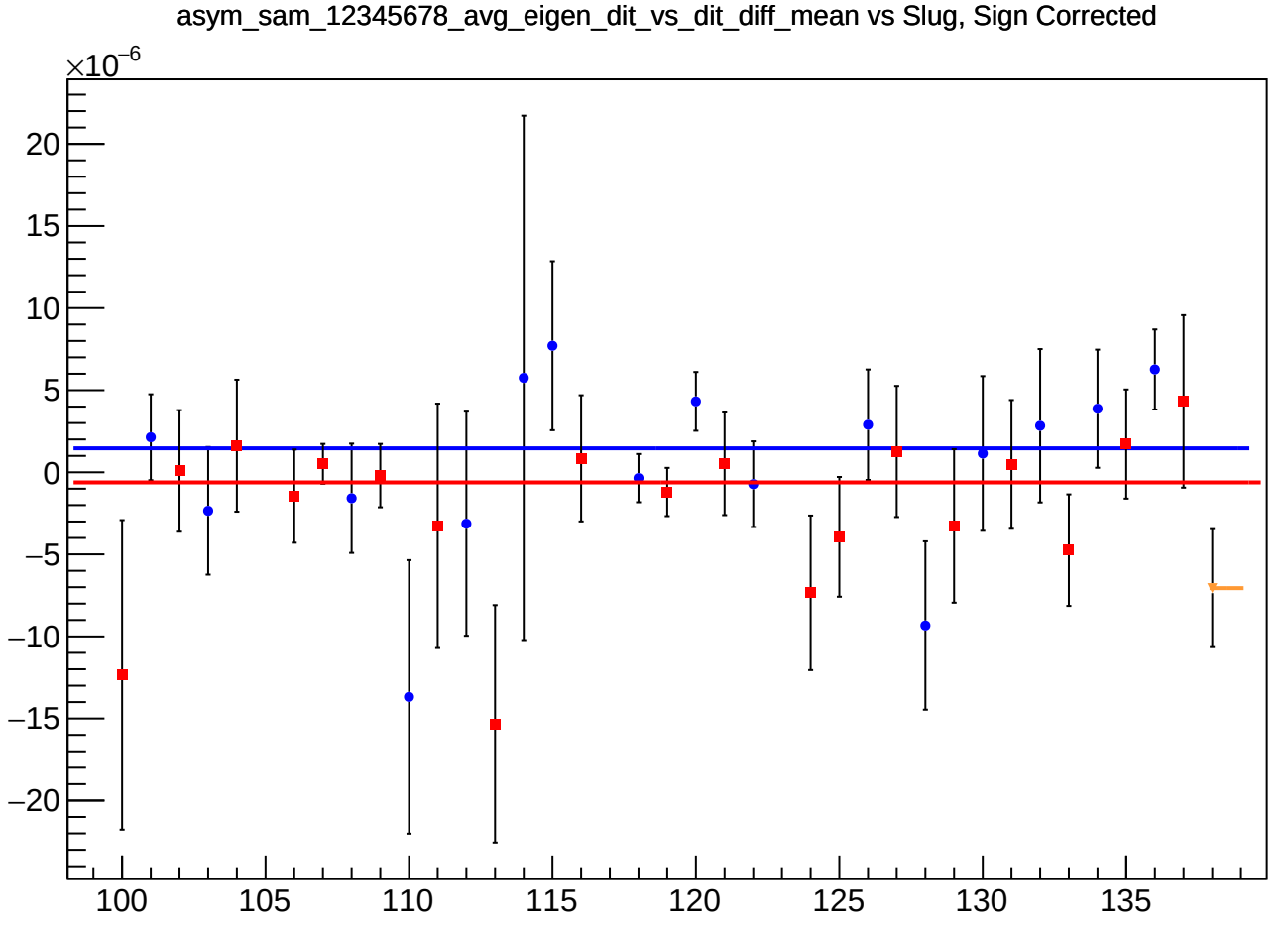
Left: 44.685+/-0.039 χ^2/NDF: 0.0/0

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.382+/-0.009 χ^2/NDF:367883.0/15

Out: 34.623+/-0.009 χ^2/NDF:712855.1/19

All: 34.507+/-0.007 χ^2/NDF: 1081074.6/35



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

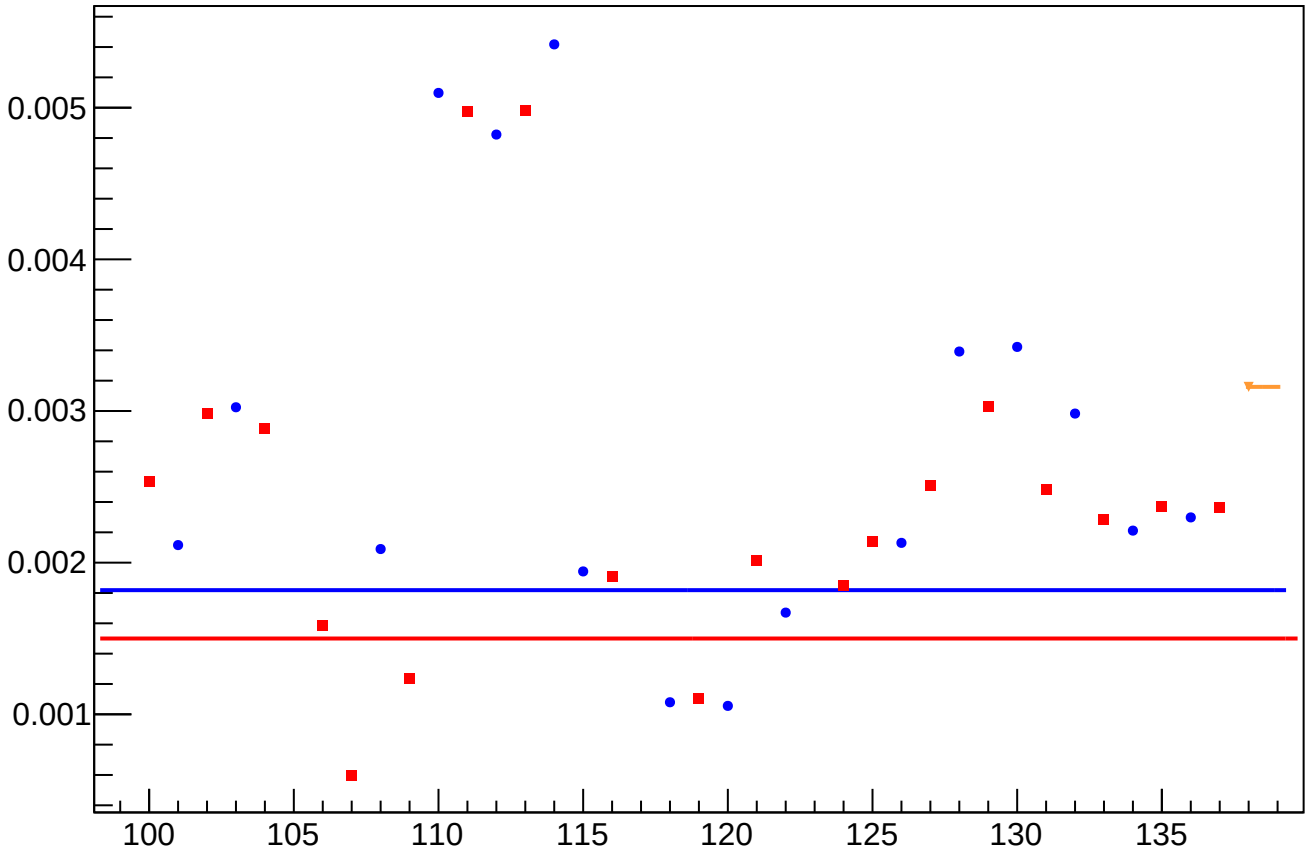
Left: -0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:21.0/15

Out: -0.000+/-0.000 χ^2/NDF:17.0/19

All: 0.000+/-0.000 χ^2/NDF: 43.4/35



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.003+/-0.000 χ^2/NDF: 0.0/0

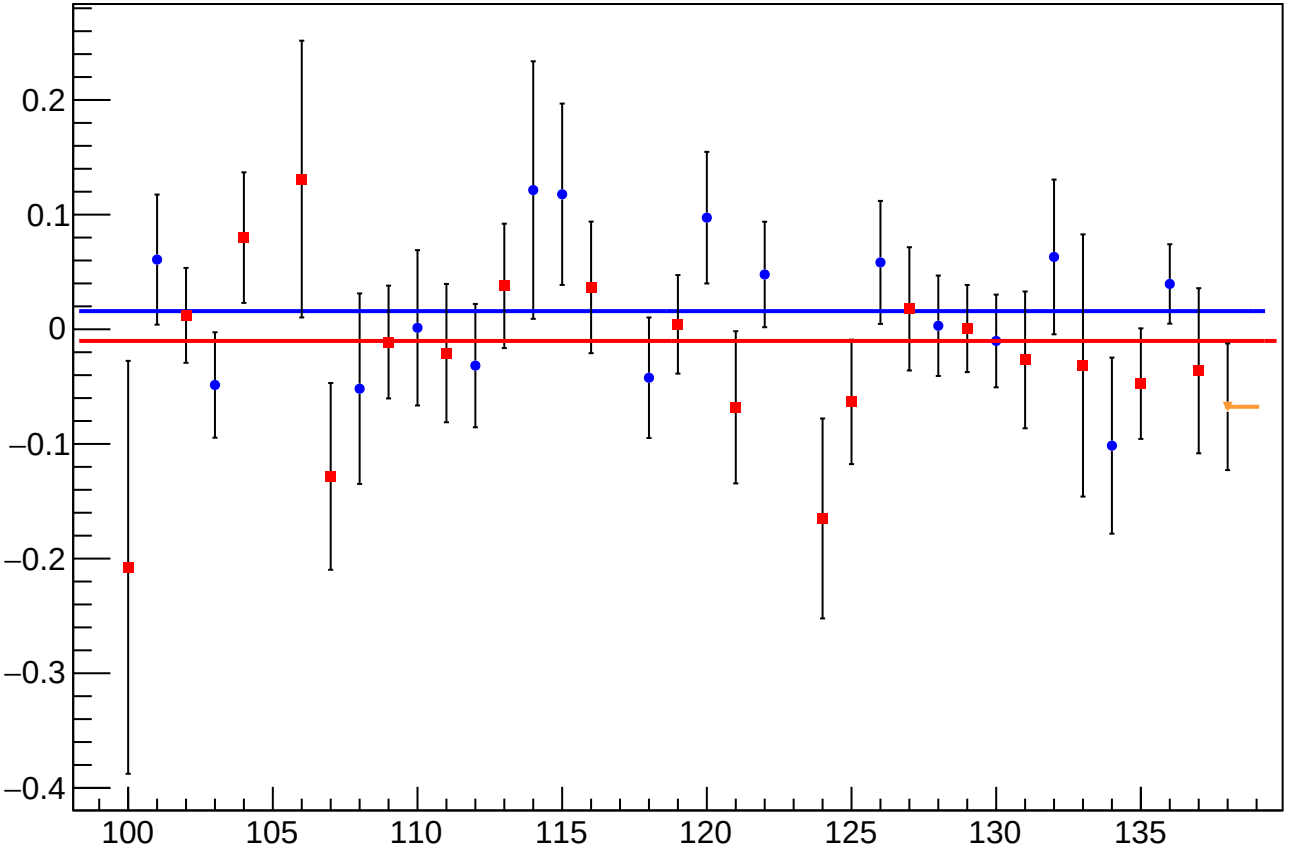
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:2570250.6/15

Out: 0.002+/-0.000 χ^2/NDF:4102346.8/19

All: 0.002+/-0.000 χ^2/NDF: 6819292.1/35

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: -0.068+/-0.055 χ^2/NDF:0.0/0

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.068+/-0.055 χ^2/NDF: 0.0/0

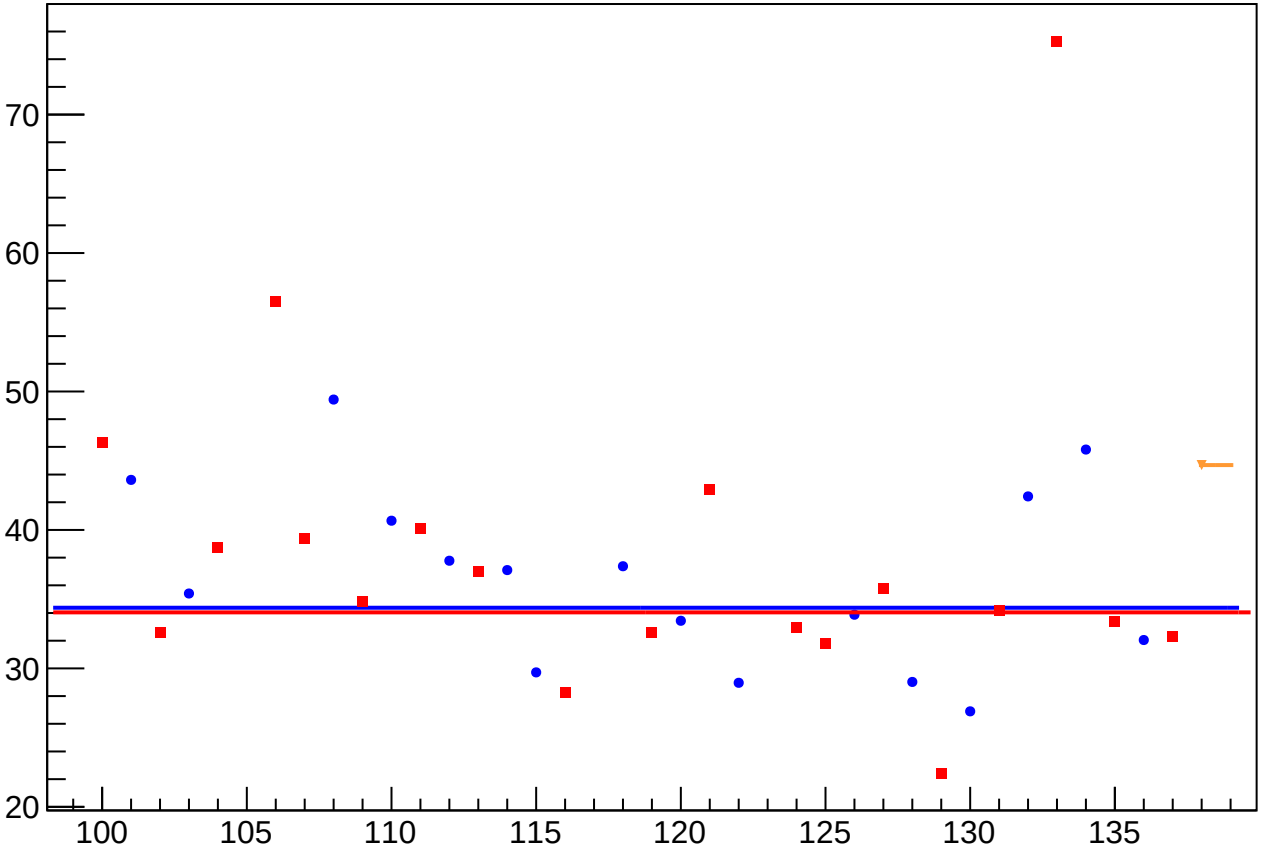
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.013 χ^2/NDF:14.8/15

Out: -0.013+/-0.013 χ^2/NDF:16.1/19

All: 0.001+/-0.009 χ^2/NDF: 33.4/35

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: 44.685+/-0.039 χ^2/NDF:0.0/0

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 44.685+/-0.039 χ^2/NDF: 0.0/0

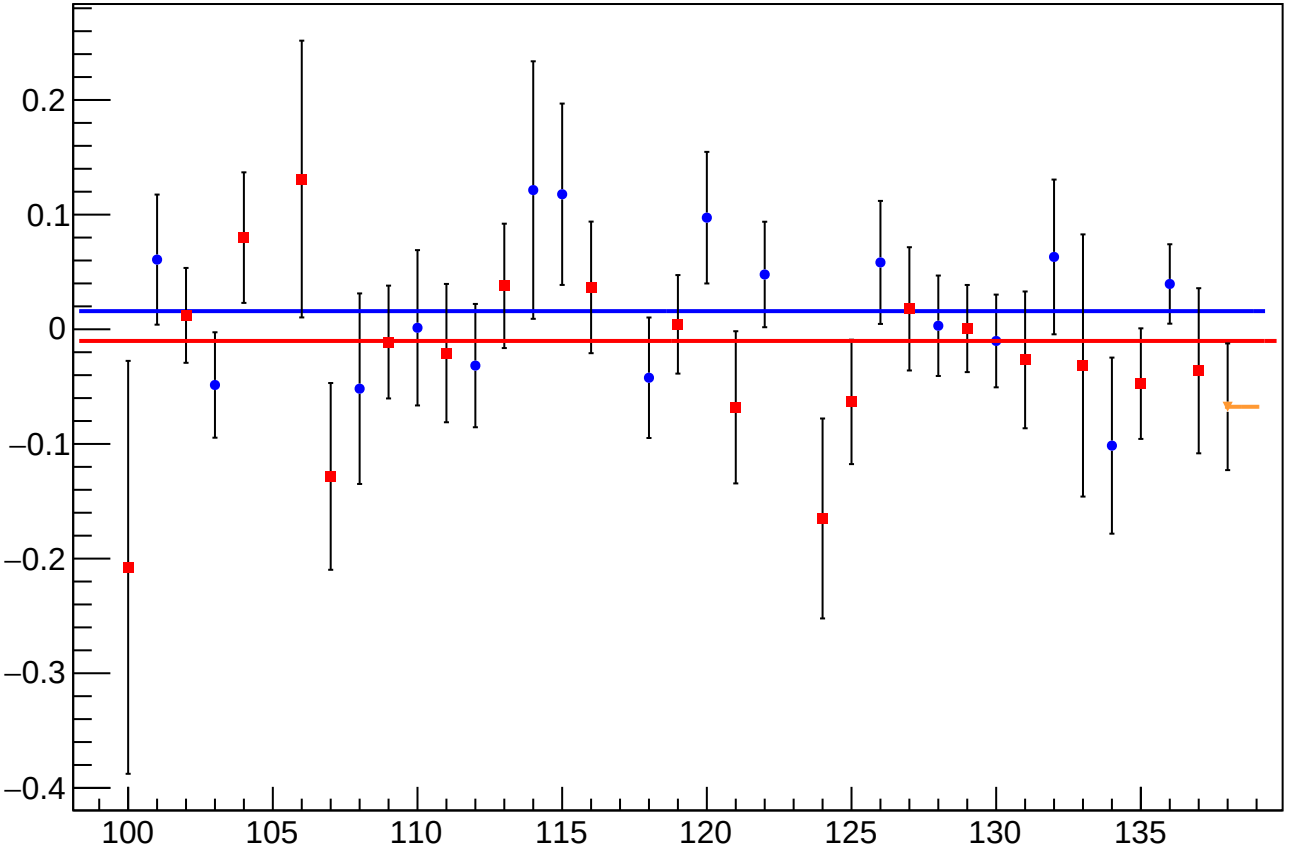
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.381+/-0.009 χ^2/NDF:367940.1/15

Out: 34.622+/-0.009 χ^2/NDF:712902.2/19

All: 34.507+/-0.007 χ^2/NDF: 1081179.5/35

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: -0.068+/-0.055 χ^2/NDF:0.0/0

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.068+/-0.055 χ^2/NDF: 0.0/0

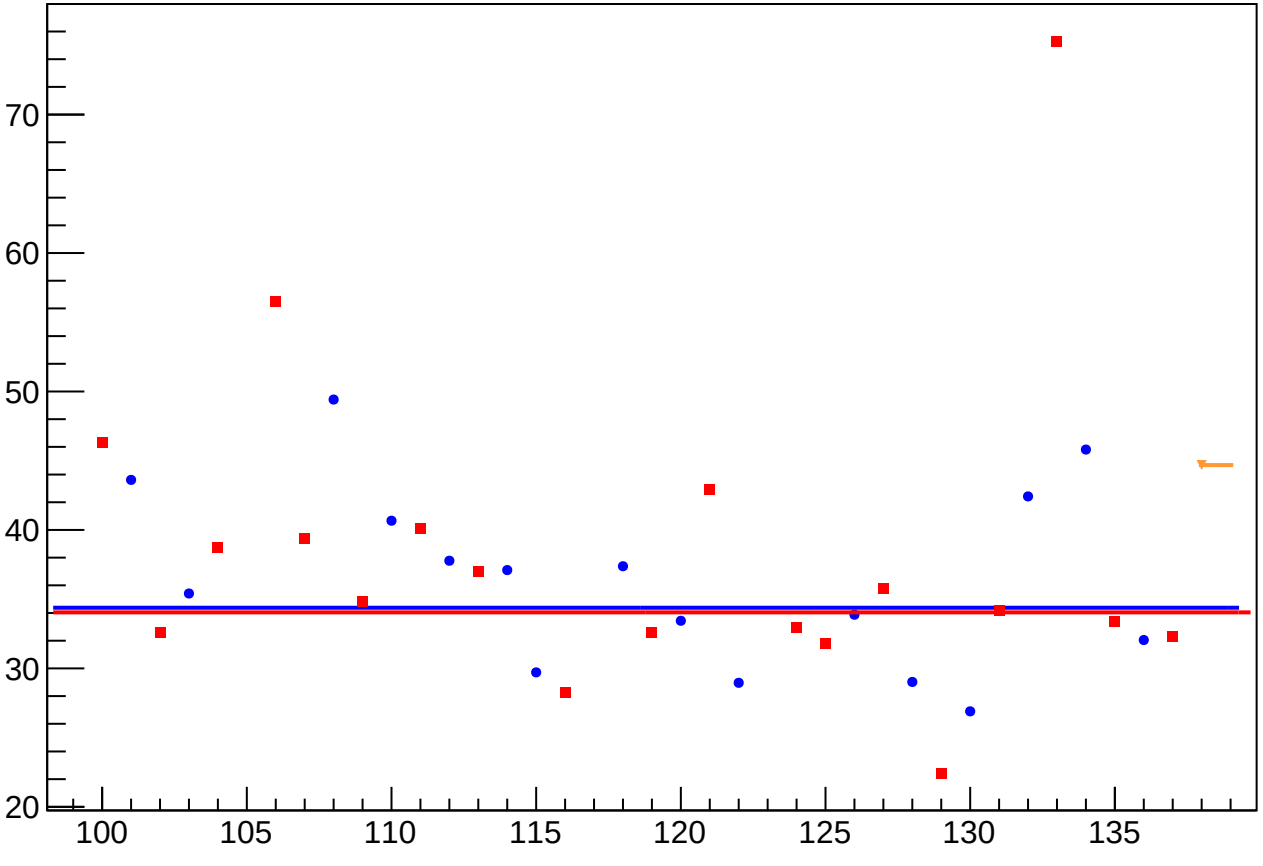
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.013 χ^2/NDF:14.8/15

Out: -0.013+/-0.013 χ^2/NDF:16.1/19

All: 0.001+/-0.009 χ^2/NDF: 33.4/35

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: 44.685+/-0.039 χ^2/NDF:0.0/0

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 44.685+/-0.039 χ^2/NDF: 0.0/0

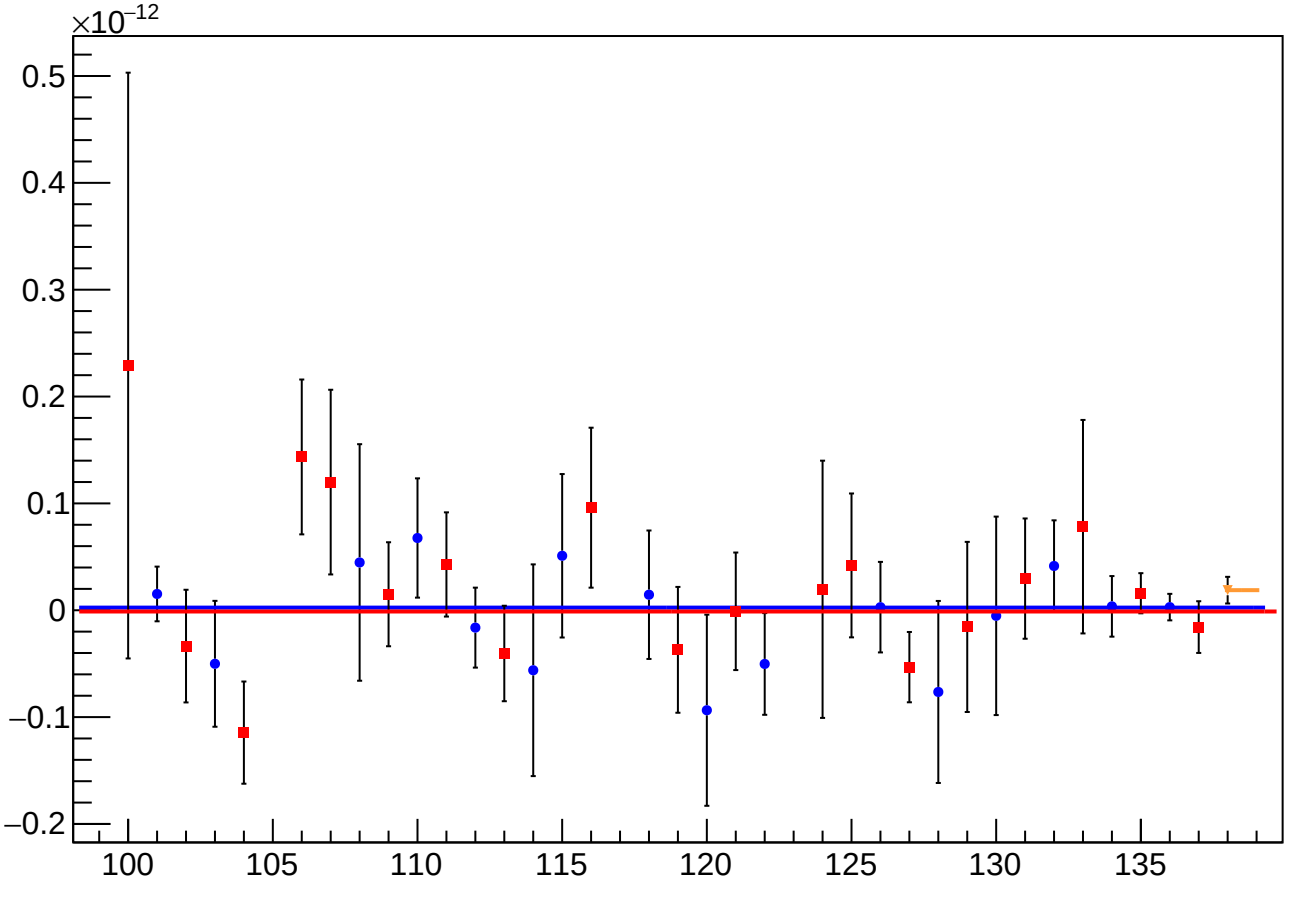
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.381+/-0.009 χ^2/NDF:367940.1/15

Out: 34.622+/-0.009 χ^2/NDF:712902.2/19

All: 34.507+/-0.007 χ^2/NDF: 1081179.5/35

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:0.0/0

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

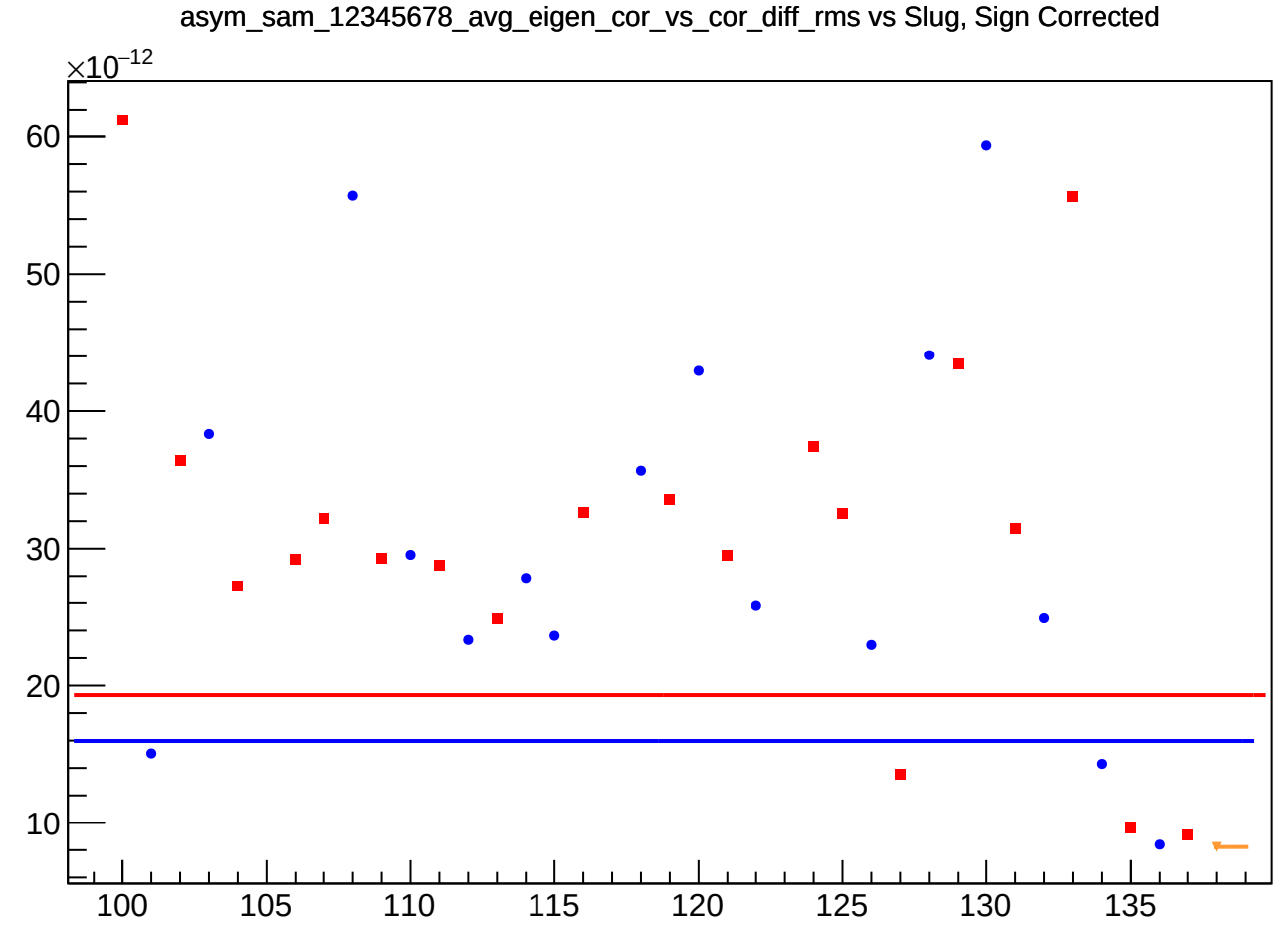
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:7.7/15

Out: 0.000+/-0.000 χ^2/NDF:23.0/19

All: 0.000+/-0.000 χ^2/NDF: 30.9/35



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

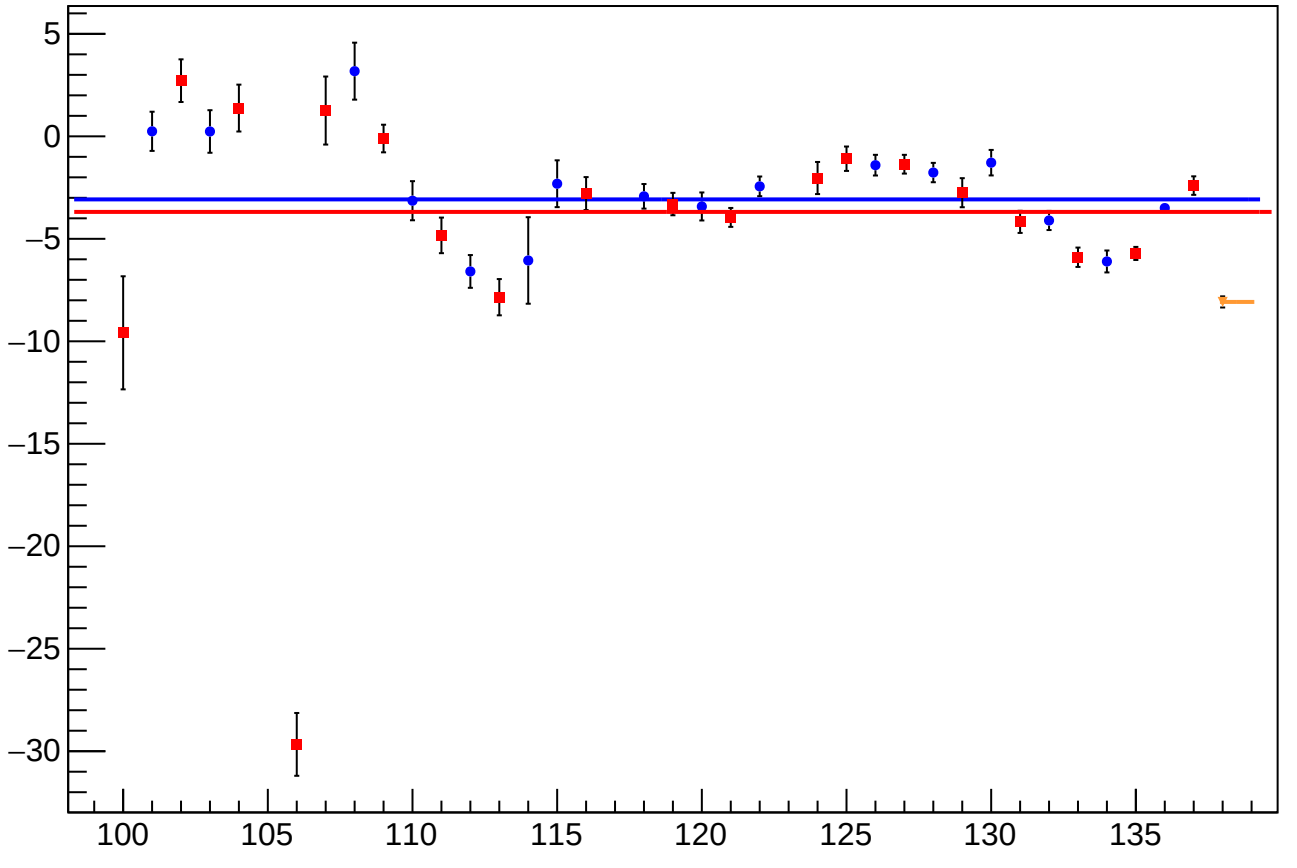
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:2822278.6/15

Out: 0.000+/-0.000 χ^2/NDF:3386401.2/19

All: 0.000+/-0.000 χ^2/NDF: 6226373.2/35



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.079+/-0.272 χ^2/NDF:0.0/0

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

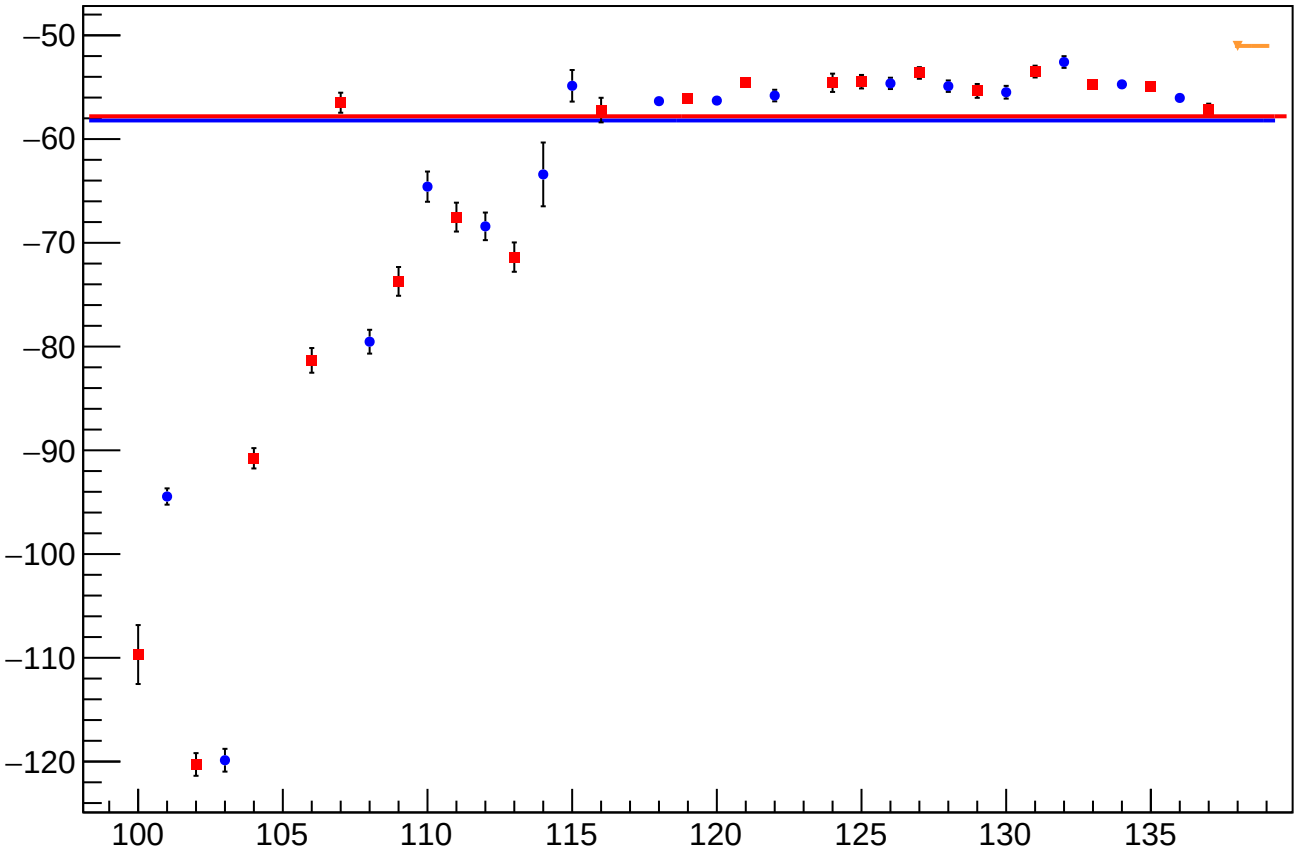
Left: -8.079+/-0.272 χ^2/NDF: 0.0/0

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -3.077+/-0.135 χ^2/NDF:133.8/15

Out: -4.611+/-0.125 χ^2/NDF:741.2/19

All: -3.906+/-0.092 χ^2/NDF: 944.6/35



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -51.021+/-0.313 χ^2/NDF:0.0/0

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

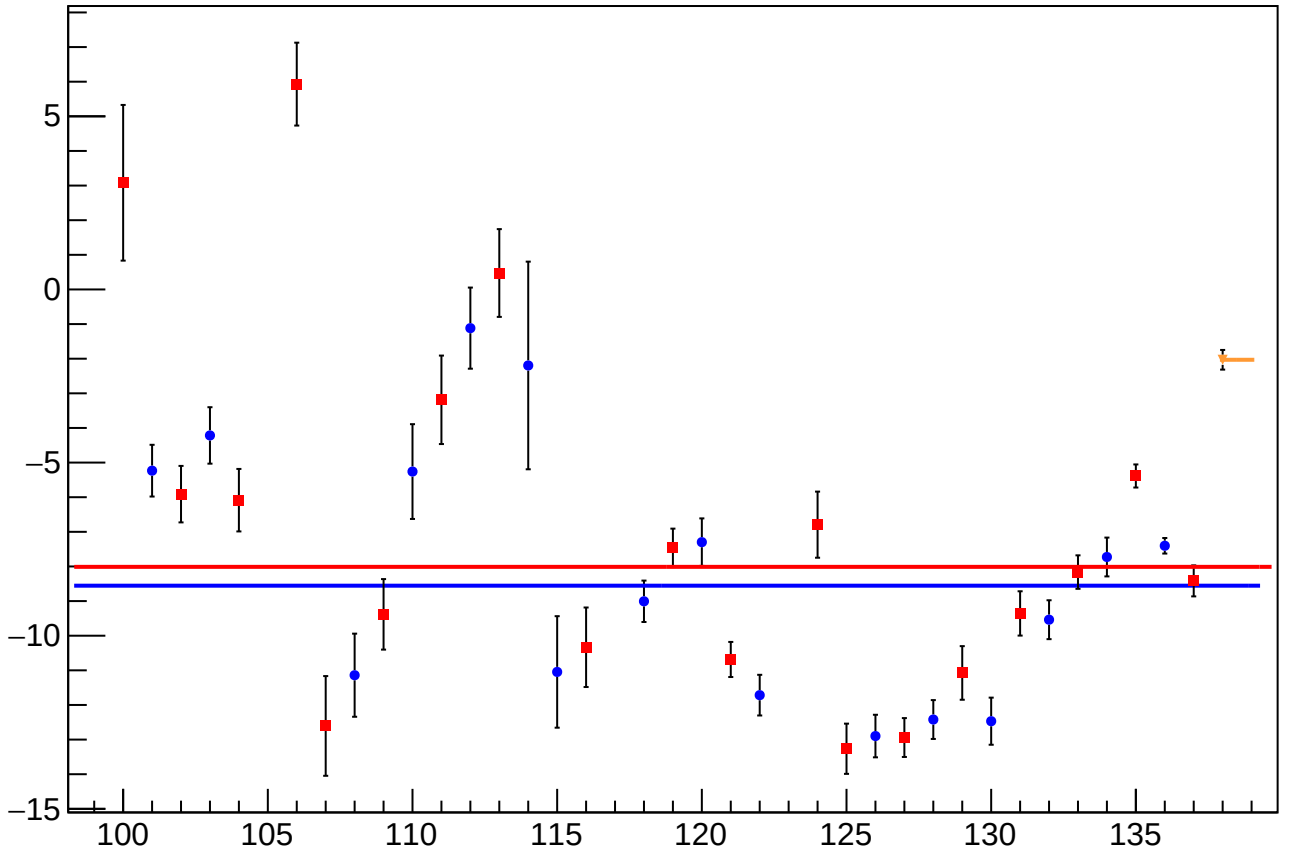
Left: -51.021+/-0.313 χ^2/NDF: 0.0/0

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -58.204+/-0.136 χ^2/NDF:6126.9/15

Out: -56.694+/-0.127 χ^2/NDF:6185.2/19

All: -57.398+/-0.093 χ^2/NDF: 12378.5/35



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -2.031+/-0.284 χ^2/NDF:0.0/0

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

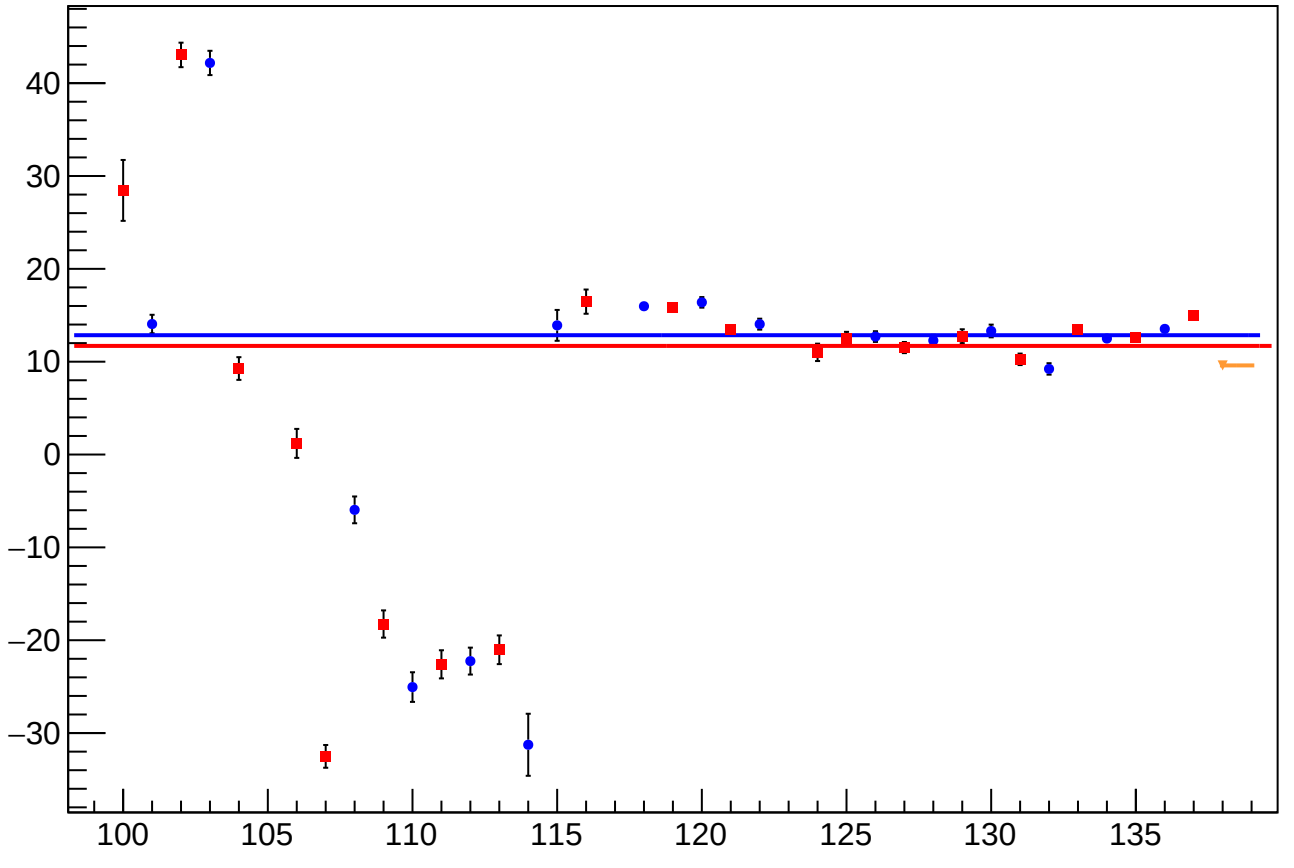
Left: -2.031+/-0.284 χ^2/NDF: 0.0/0

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -8.555+/-0.145 χ^2/NDF:300.7/15

Out: -6.667+/-0.135 χ^2/NDF:833.1/19

All: -7.543+/-0.099 χ^2/NDF: 1225.1/35



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 9.599+/-0.343 χ^2/NDF:0.0/0

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

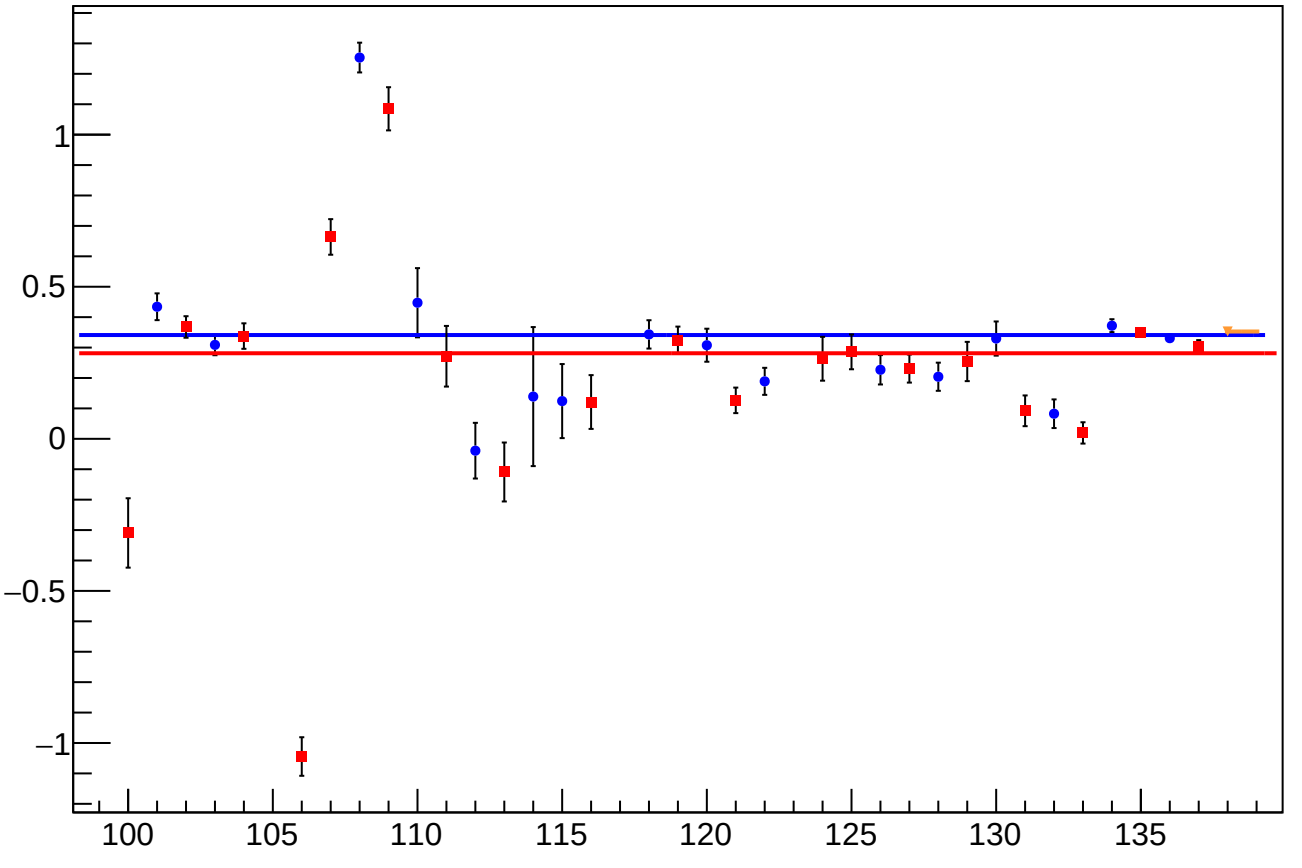
Left: 9.599+/-0.343 χ^2/NDF: 0.0/0

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 12.853+/-0.150 χ^2/NDF:2128.4/15

Out: 11.343+/-0.141 χ^2/NDF:3529.9/19

All: 12.051+/-0.103 χ^2/NDF: 5711.9/35



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.353+/-0.011 χ^2/NDF:0.0/0

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

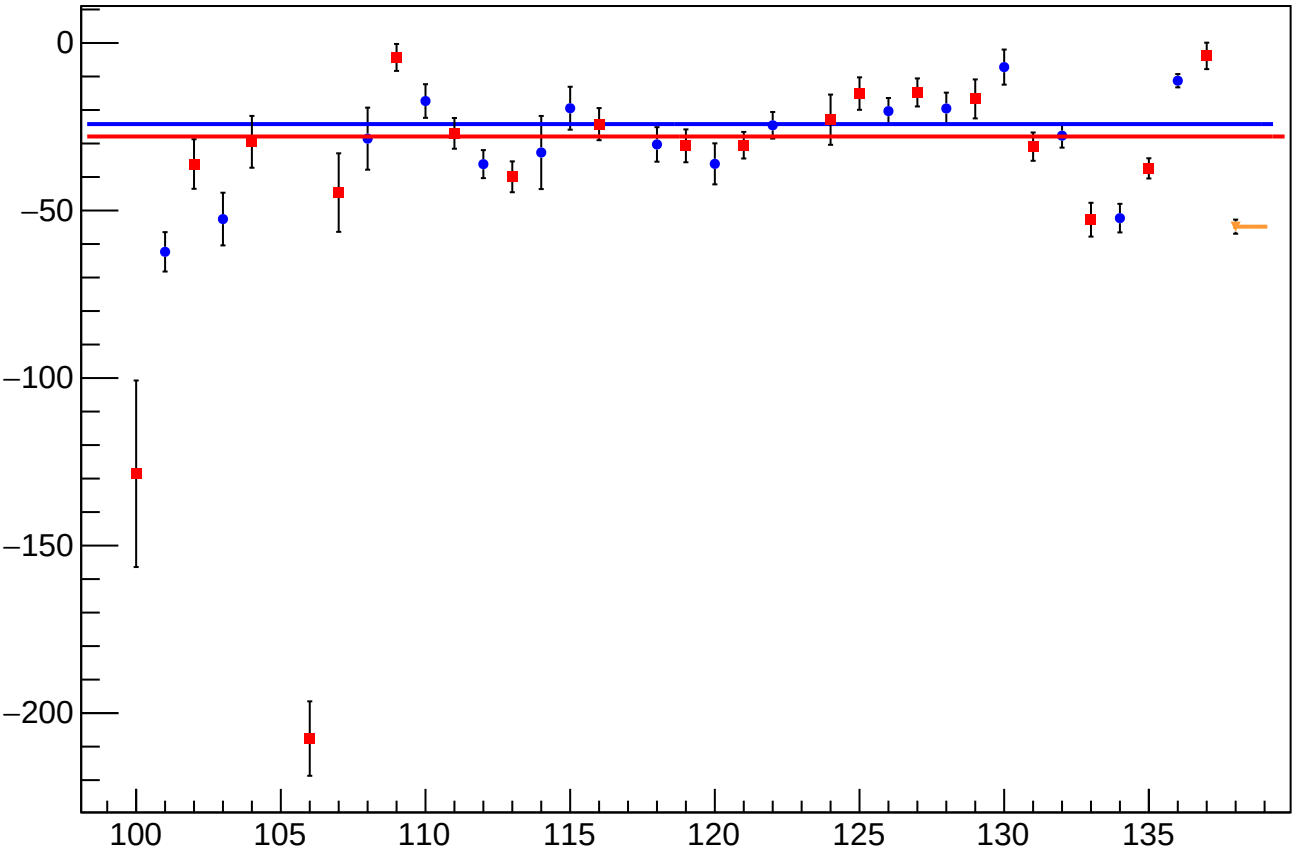
Left: 0.353+/-0.011 χ^2/NDF: 0.0/0

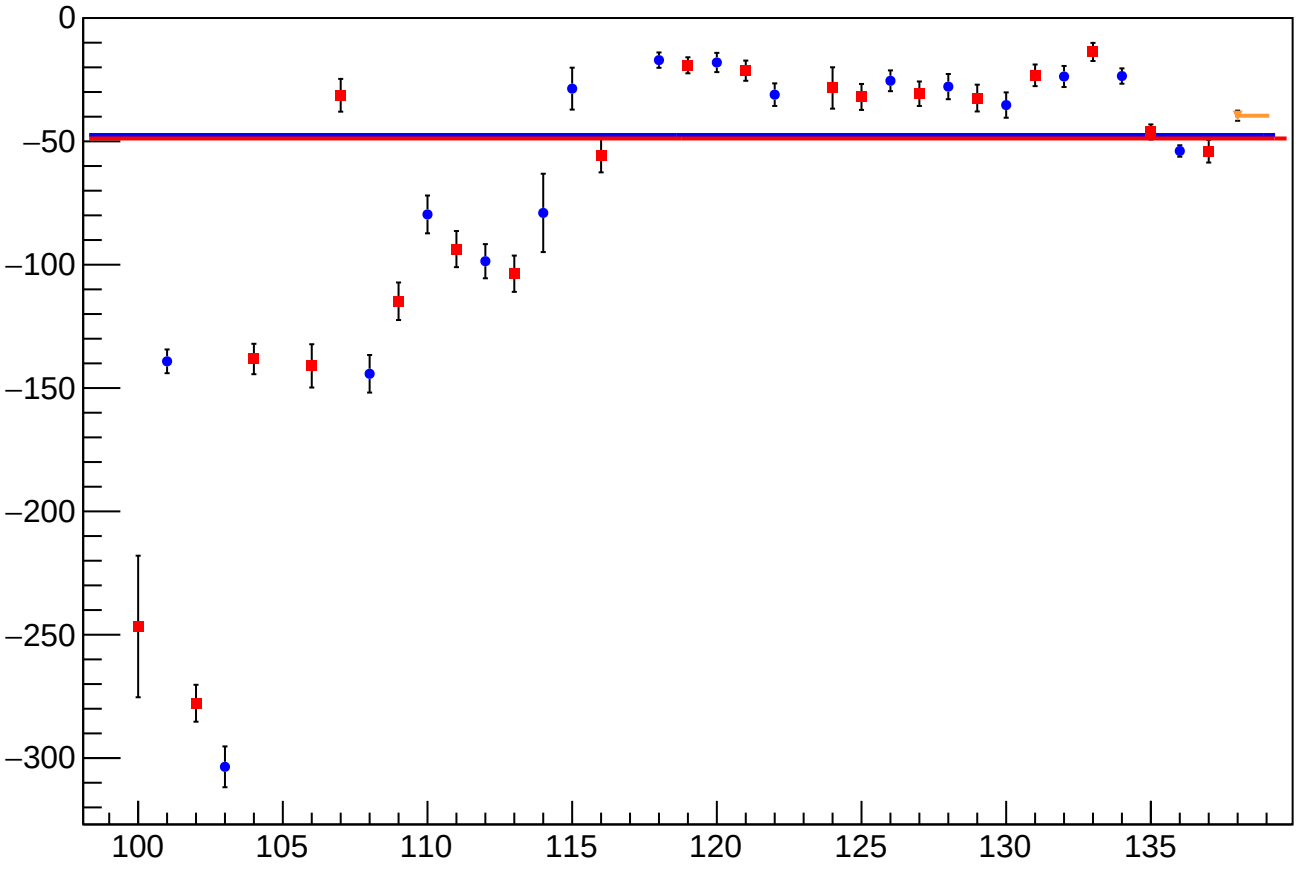
Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.341+/-0.008 χ^2/NDF:434.8/15

Out: 0.308+/-0.007 χ^2/NDF:804.2/19

All: 0.322+/-0.005 χ^2/NDF: 1249.3/35


reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
105
110
115
120
125
130
135
Right In: -24.205+/-1.086 χ²/NDF: 170.7/15
Left Out: -54.819+/-2.106 χ²/NDF:0.0/0
Right Out: -27.906+/-1.137 χ²/NDF: 413.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -54.819+/-2.106 χ²/NDF: 0.0/0
Right: -25.971+/-0.785 χ²/NDF: 589.7/34
In: -24.205+/-1.086 χ²/NDF:170.7/15
Out: -33.982+/-1.000 χ²/NDF:539.9/19
All: -29.495+/-0.736 χ²/NDF: 754.4/35



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -39.604+/-2.056 χ^2/NDF:0.0/0

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

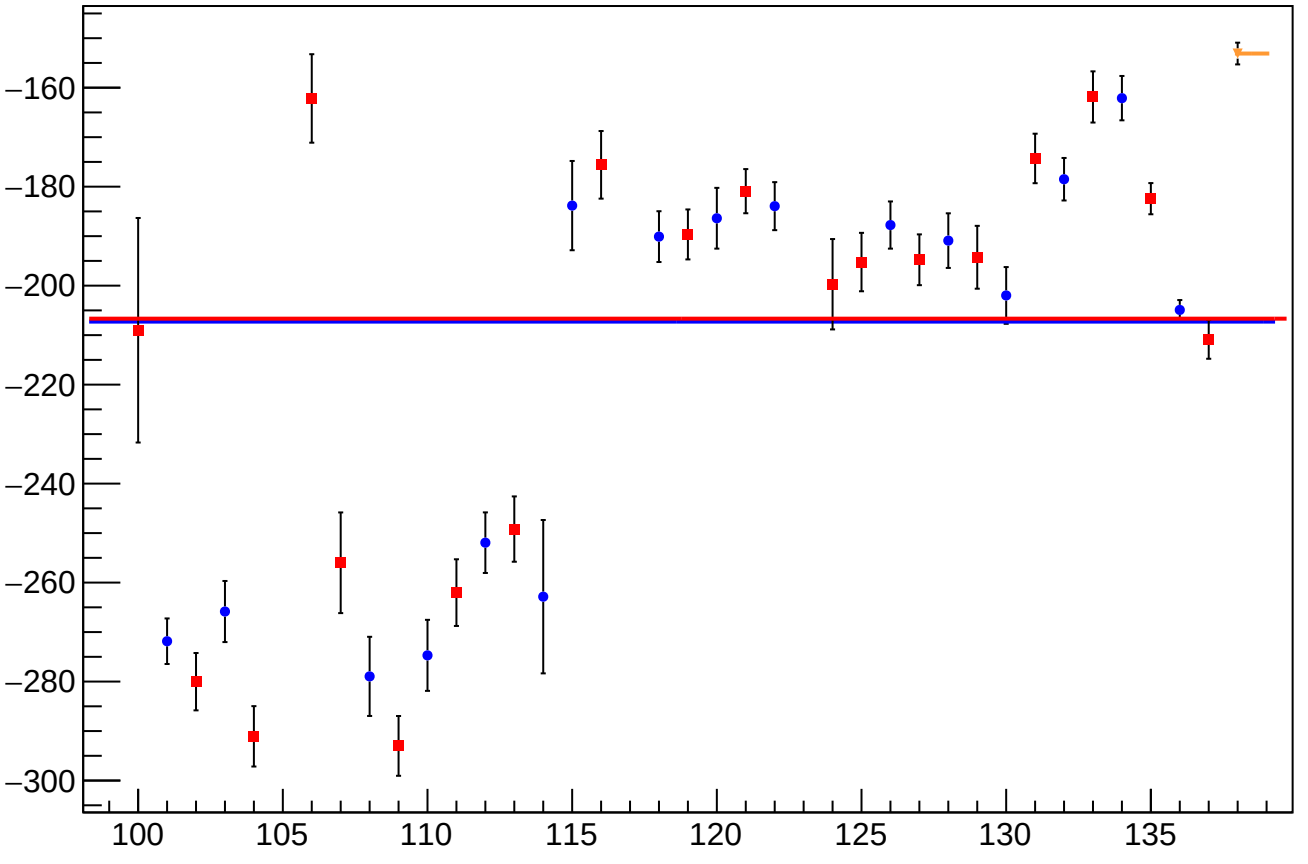
Left: -39.604+/-2.056 χ^2/NDF: 0.0/0

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -47.421+/-1.101 χ^2/NDF:1873.5/15

Out: -46.537+/-1.025 χ^2/NDF:1789.8/19

All: -46.948+/-0.750 χ^2/NDF: 3663.6/35



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -153.102+/-2.197 χ^2/NDF:0.0/0

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

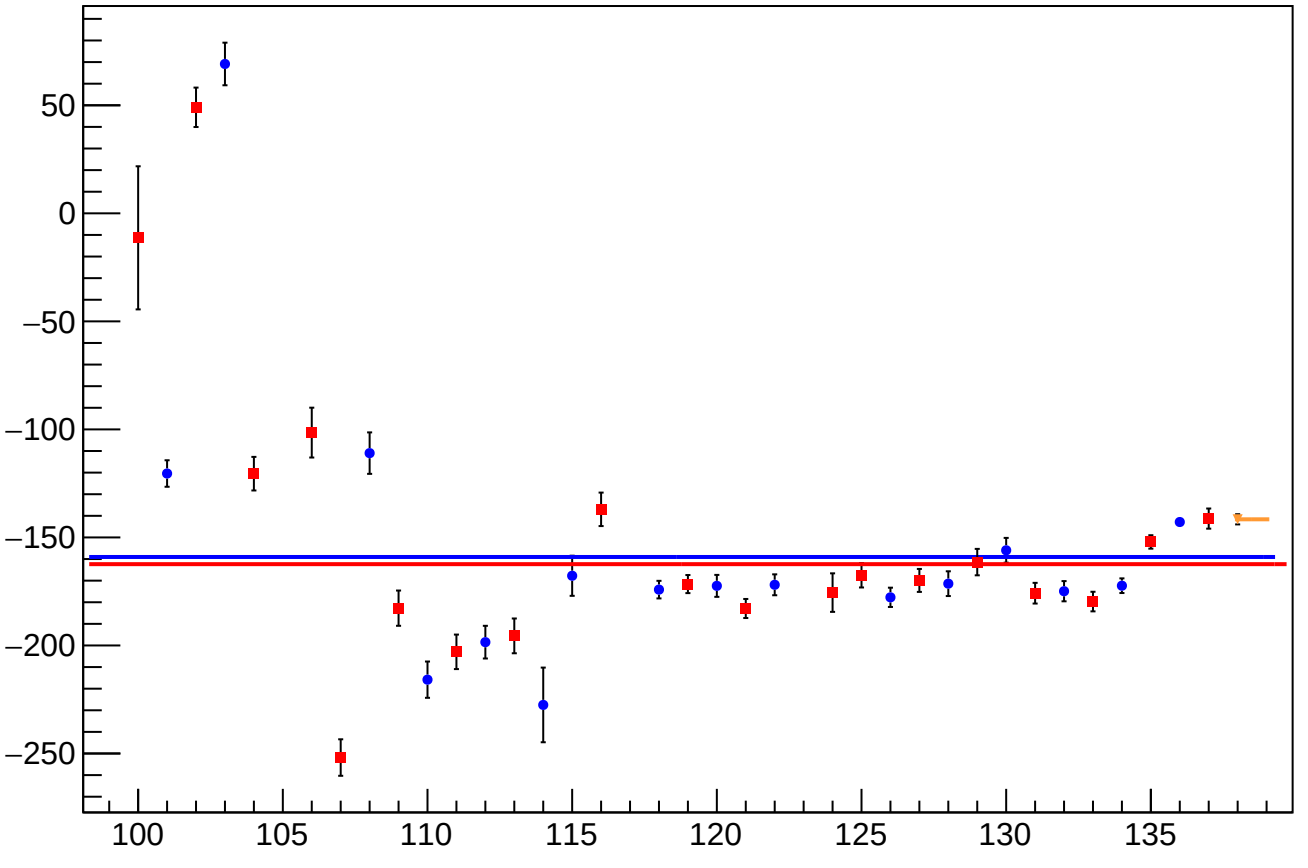
Left: -153.102+/-2.197 χ^2/NDF: 0.0/0

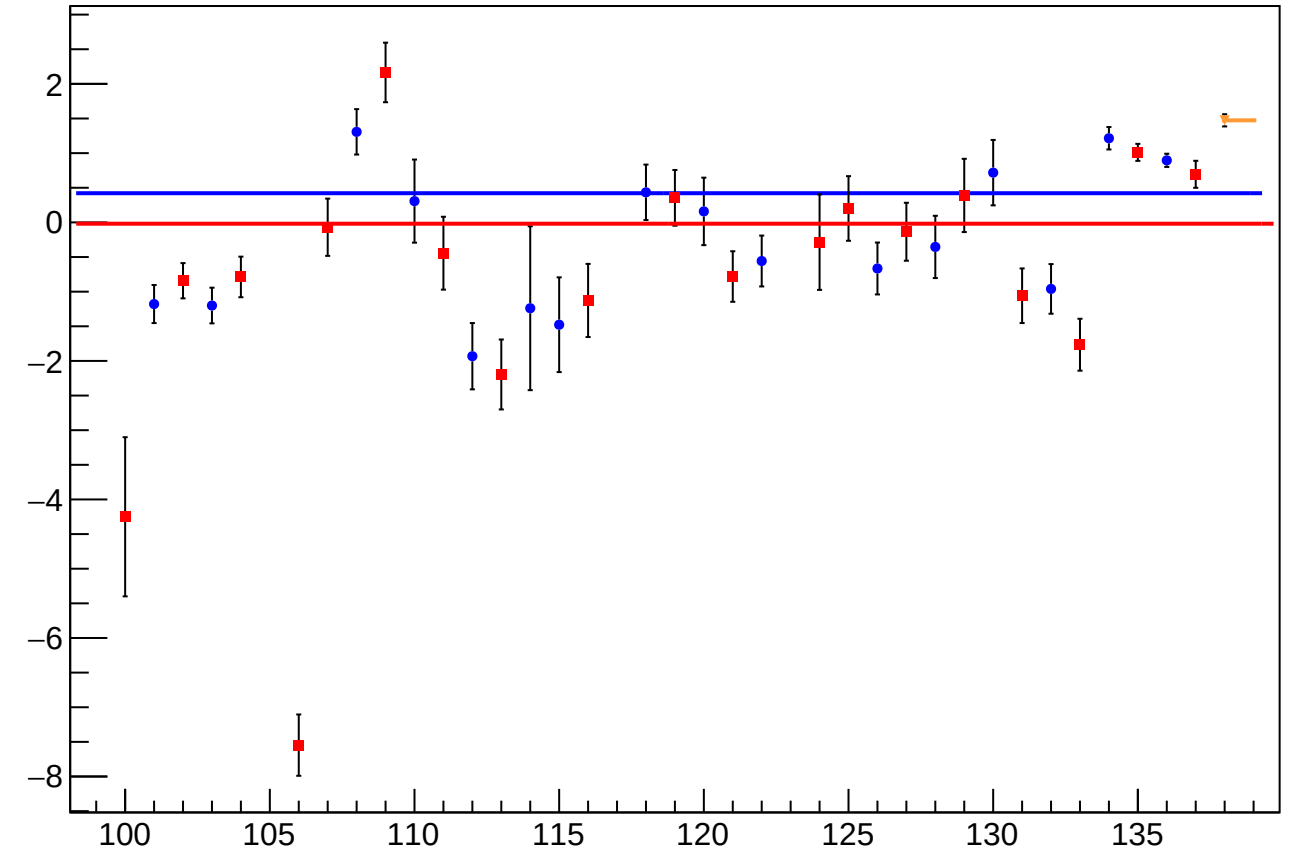
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -207.266+/-1.178 χ^2/NDF:748.5/15

Out: -193.106+/-1.106 χ^2/NDF:1413.4/19

All: -199.736+/-0.806 χ^2/NDF: 2238.7/35


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
105
110
115
120
125
130
135
Right In: -159.048+/-1.225 χ²/NDF: 815.8/15
Left Out: -141.615+/-2.358 χ²/NDF:0.0/0
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -141.615+/-2.358 χ²/NDF: 0.0/0
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -159.048+/-1.225 χ²/NDF:815.8/15
Out: -157.395+/-1.155 χ²/NDF:931.5/19
All: -158.173+/-0.840 χ²/NDF: 1748.2/35



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.474+/-0.088 χ^2/NDF:0.0/0

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

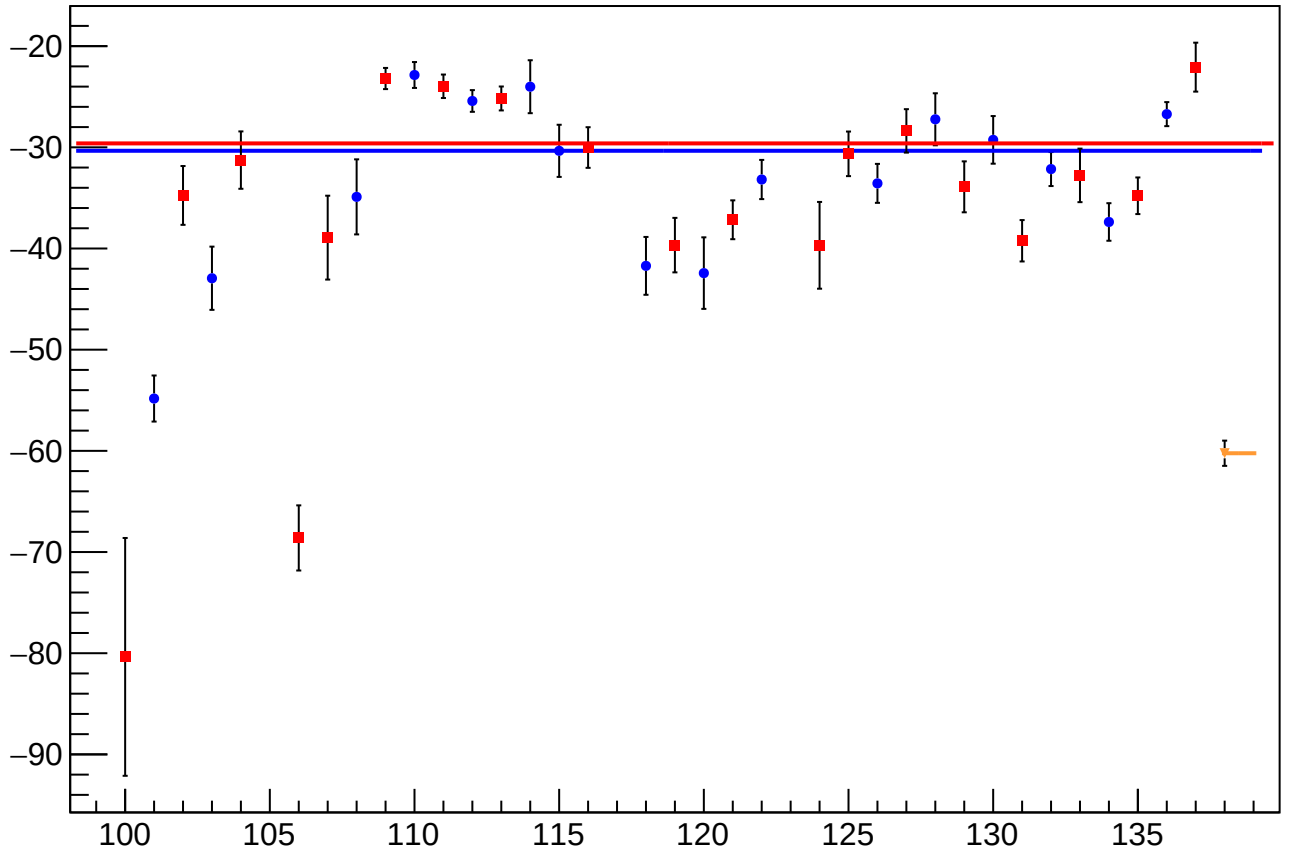
Left: 1.474+/-0.088 χ^2/NDF: 0.0/0

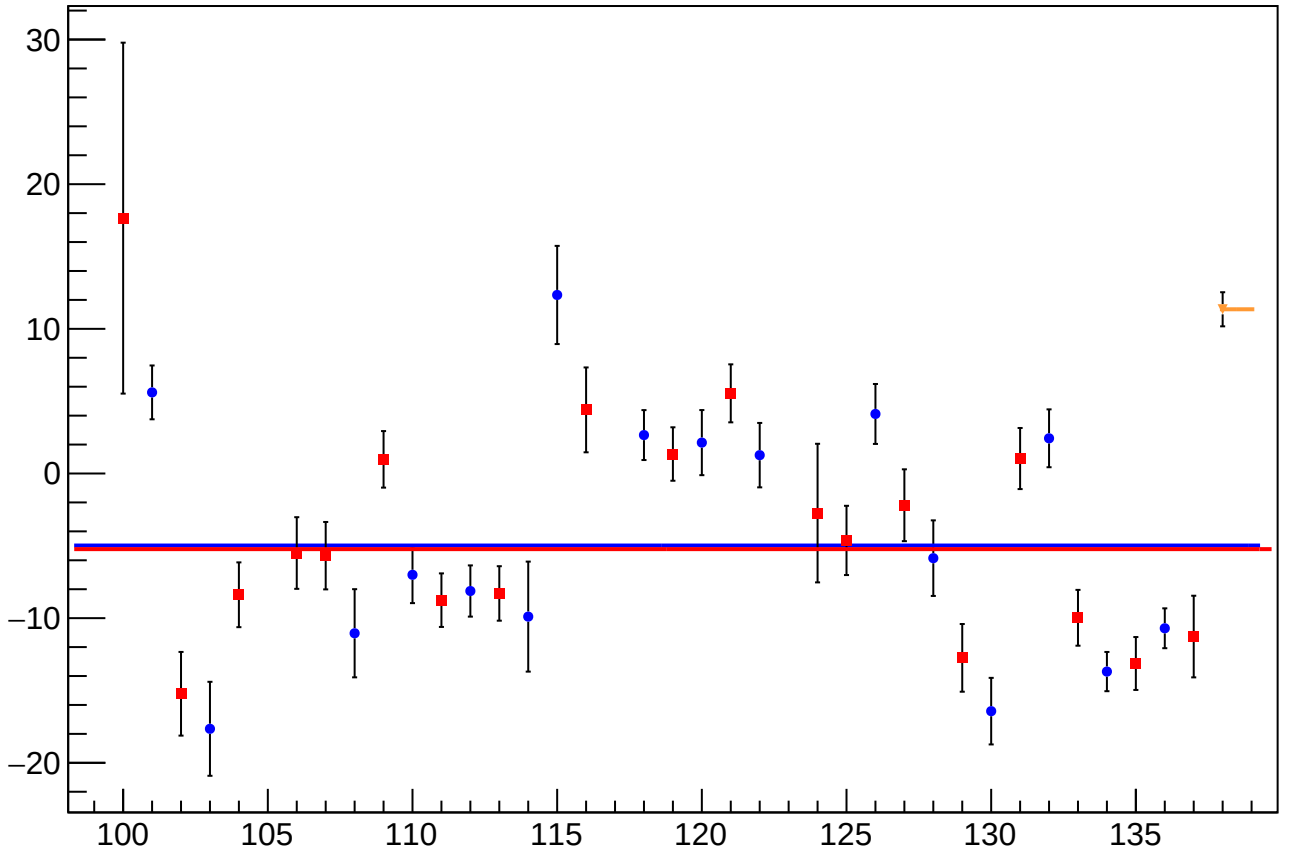
Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 0.421+/-0.065 χ^2/NDF:197.6/15

Out: 0.581+/-0.056 χ^2/NDF:659.4/19

All: 0.513+/-0.042 χ^2/NDF: 860.5/35


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
105
110
115
120
125
130
135
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -60.236+/-1.247 χ²/NDF:0.0/0
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -60.236+/-1.247 χ²/NDF: 0.0/0
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -30.341+/-0.468 χ²/NDF:253.6/15
Out: -33.145+/-0.424 χ²/NDF:862.3/19
All: -31.882+/-0.314 χ²/NDF: 1135.6/35



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: 11.352+/-1.179 χ^2/NDF:0.0/0

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

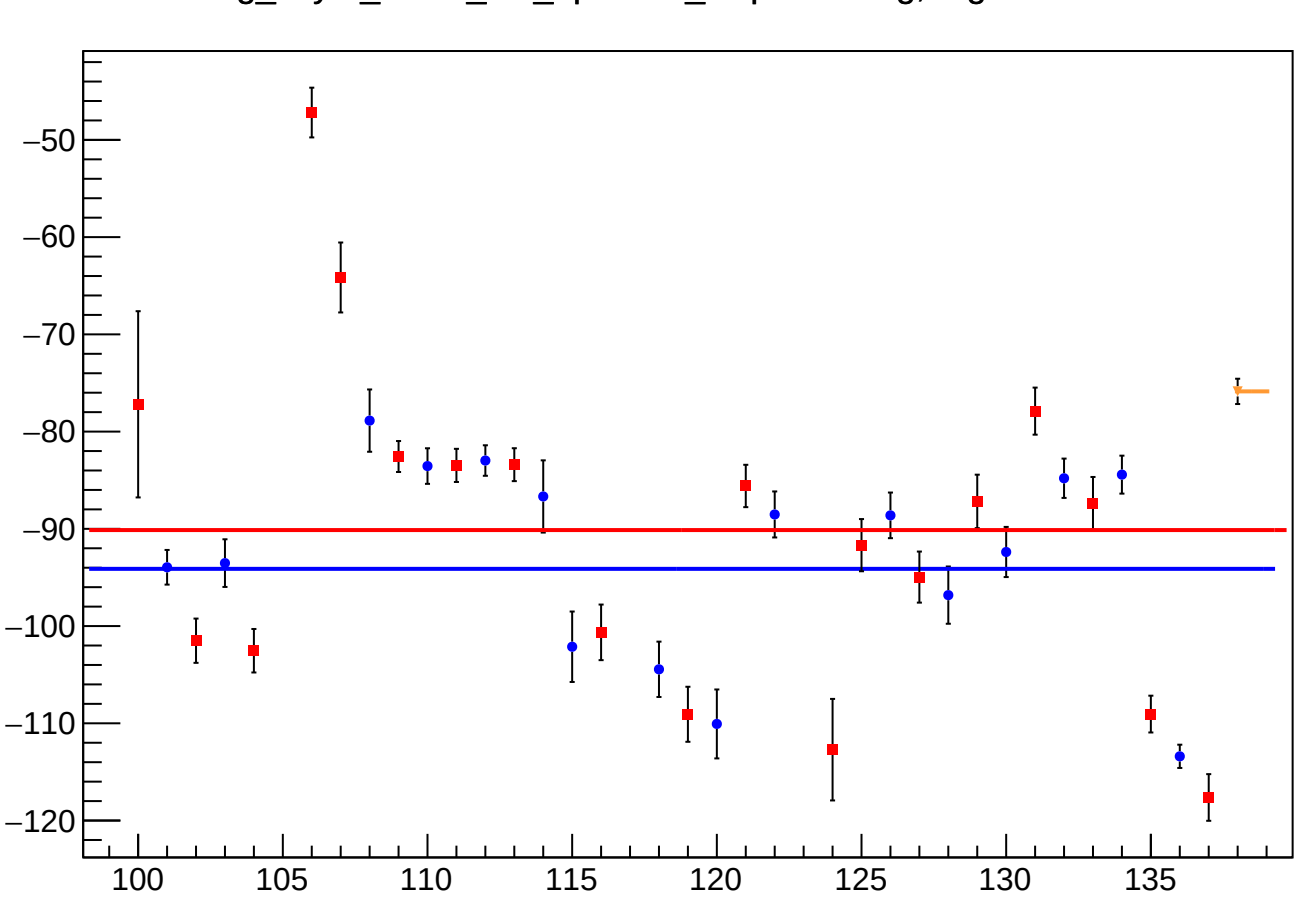
Left: 11.352+/-1.179 χ^2/NDF: 0.0/0

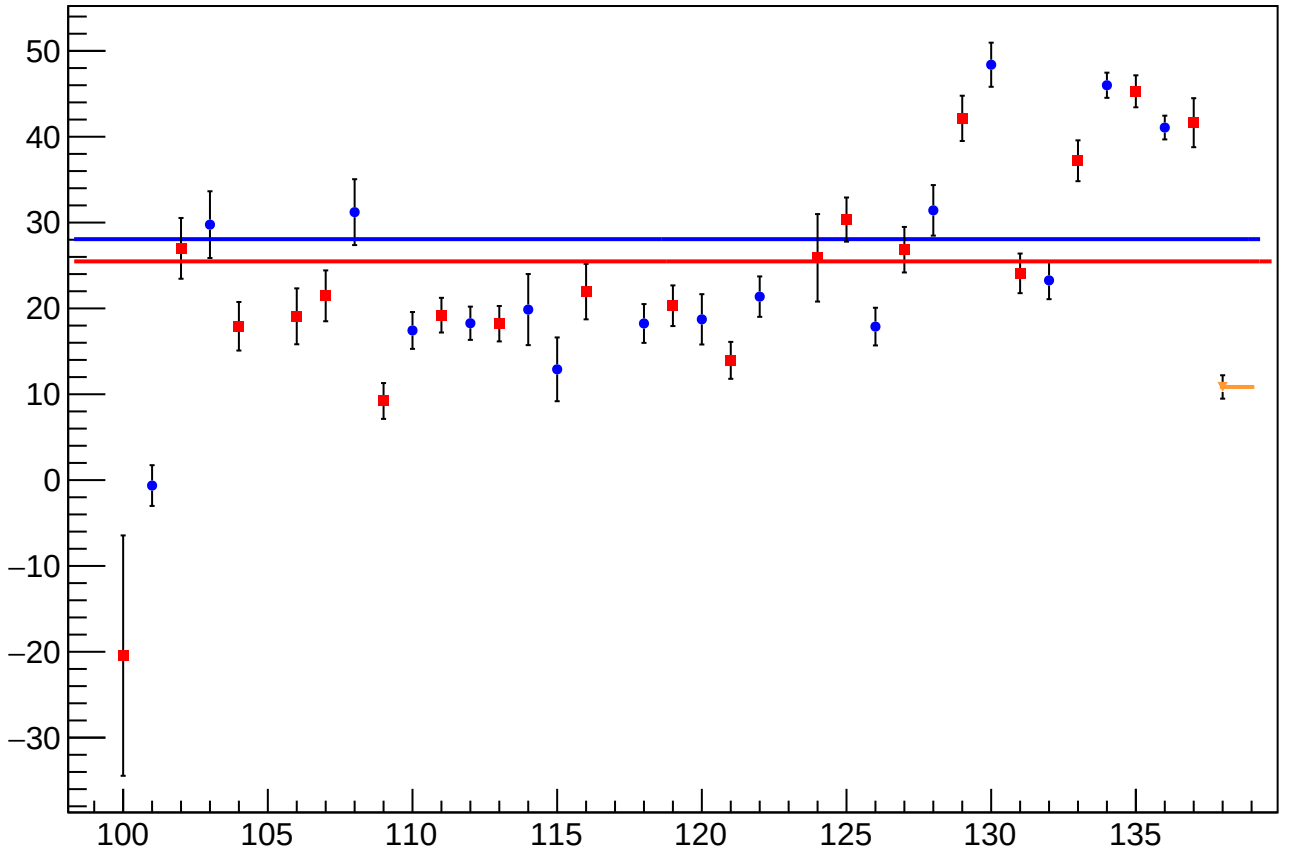
Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -4.980+/-0.510 χ^2/NDF:237.3/15

Out: -2.497+/-0.479 χ^2/NDF:301.6/19

All: -3.660+/-0.349 χ^2/NDF: 551.6/35


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
−110
−120
100
105
110
115
120
125
130
135
Right In: -94.115+/-0.537 χ²/NDF: 466.8/15
Left Out: -75.864+/-0.301 χ²/NDF:0.0/0
Right Out: -90.127+/-0.543 χ²/NDF: 789.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -75.864+/-1.301 χ²/NDF: 0.0/0
Right: -92.143+/-0.382 χ²/NDF: 1283.5/34
In: -94.115+/-0.537 χ²/NDF:466.8/15
Out: -88.011+/-0.501 χ²/NDF:891.7/19
All: -90.852+/-0.366 χ²/NDF: 1427.6/35



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 10.850+/-1.364 χ^2/NDF:0.0/0

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

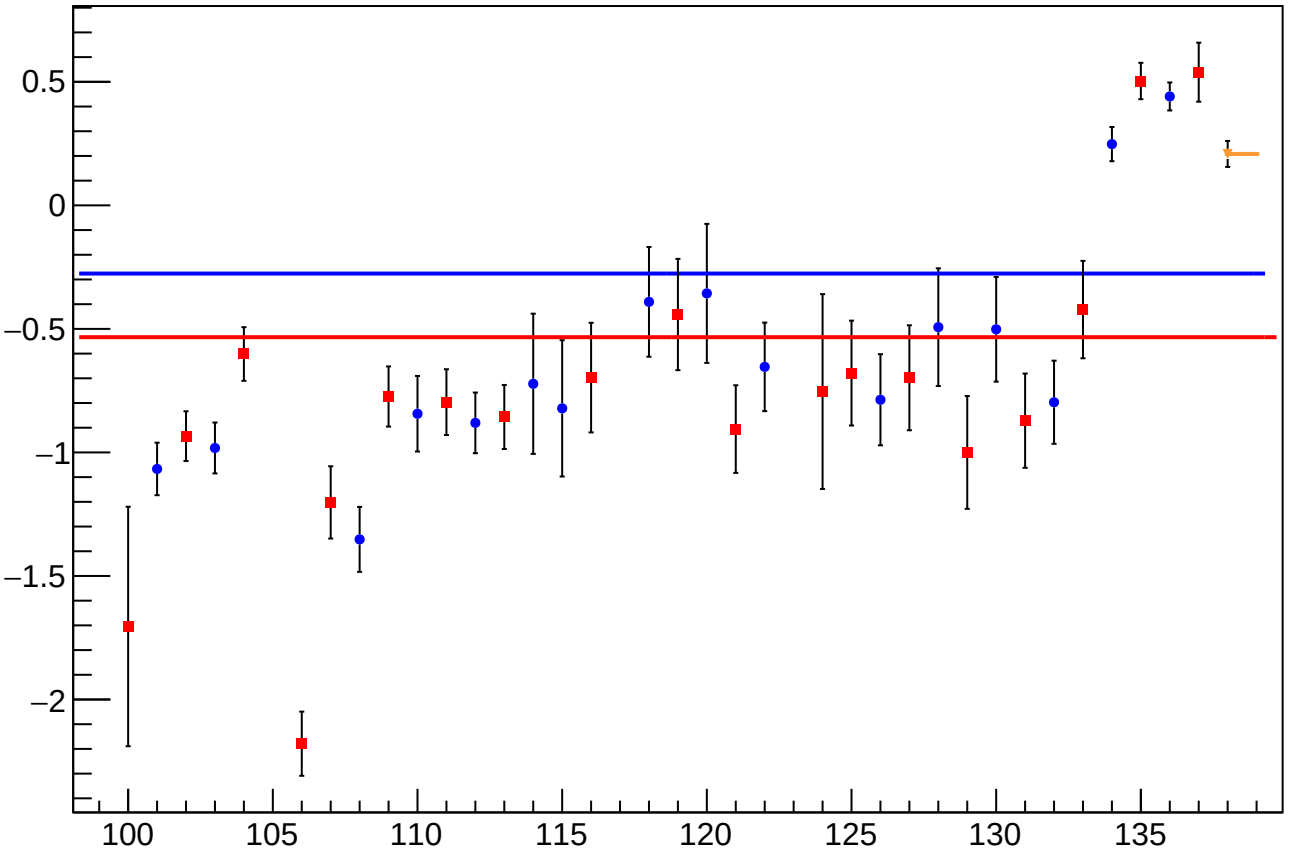
Left: 10.850+/-1.364 χ^2/NDF: 0.0/0

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 28.068+/-0.569 χ^2/NDF:583.1/15

Out: 23.169+/-0.542 χ^2/NDF:451.5/19

All: 25.500+/-0.392 χ^2/NDF: 1073.5/35



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.208+/-0.053 χ^2/NDF:0.0/0

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

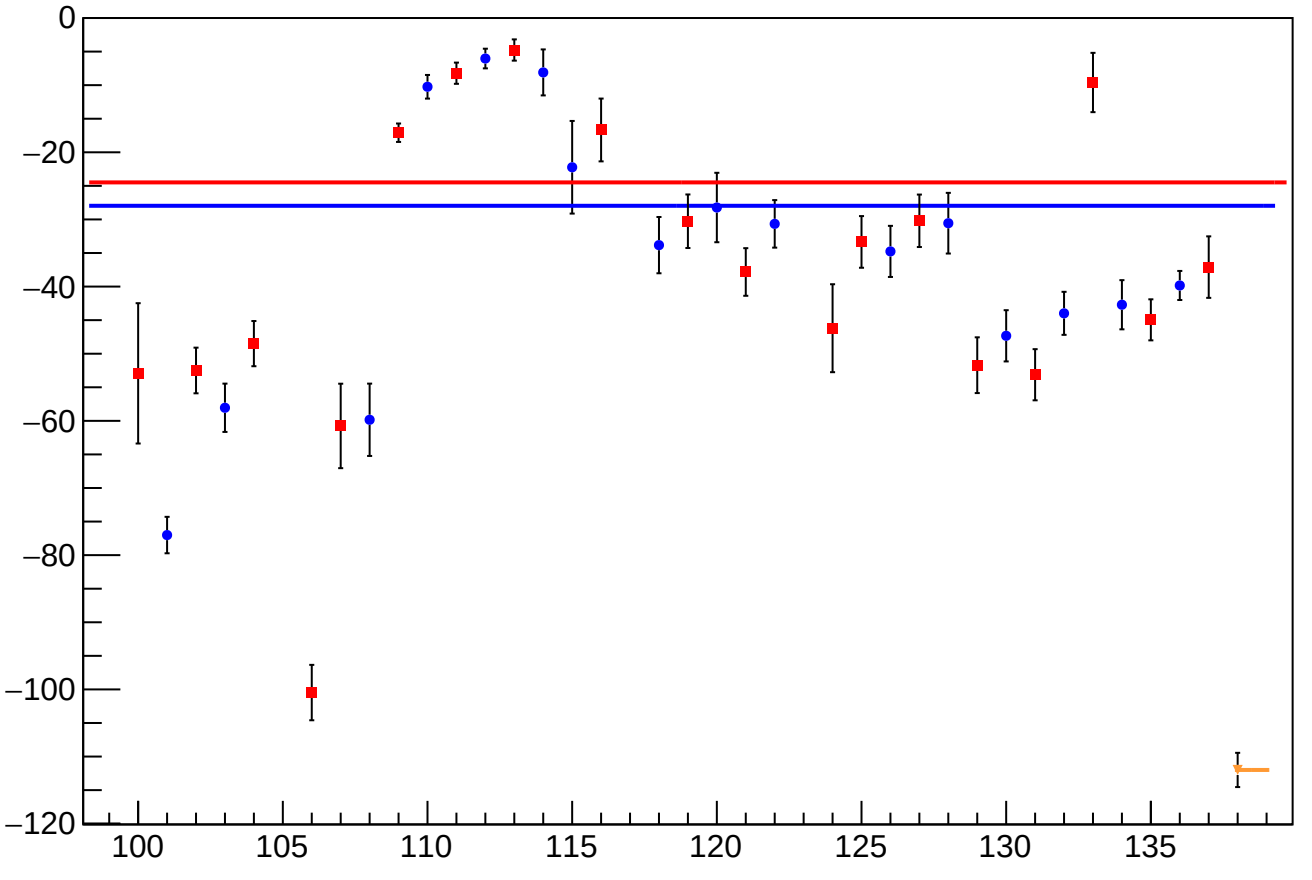
Left: 0.208+/-0.053 χ^2/NDF: 0.0/0

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: -0.276+/-0.031 χ^2/NDF:455.6/15

Out: -0.325+/-0.028 χ^2/NDF:653.5/19

All: -0.303+/-0.021 χ^2/NDF: 1110.5/35



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -111.995+/-2.550 χ^2/NDF:0.0/0

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

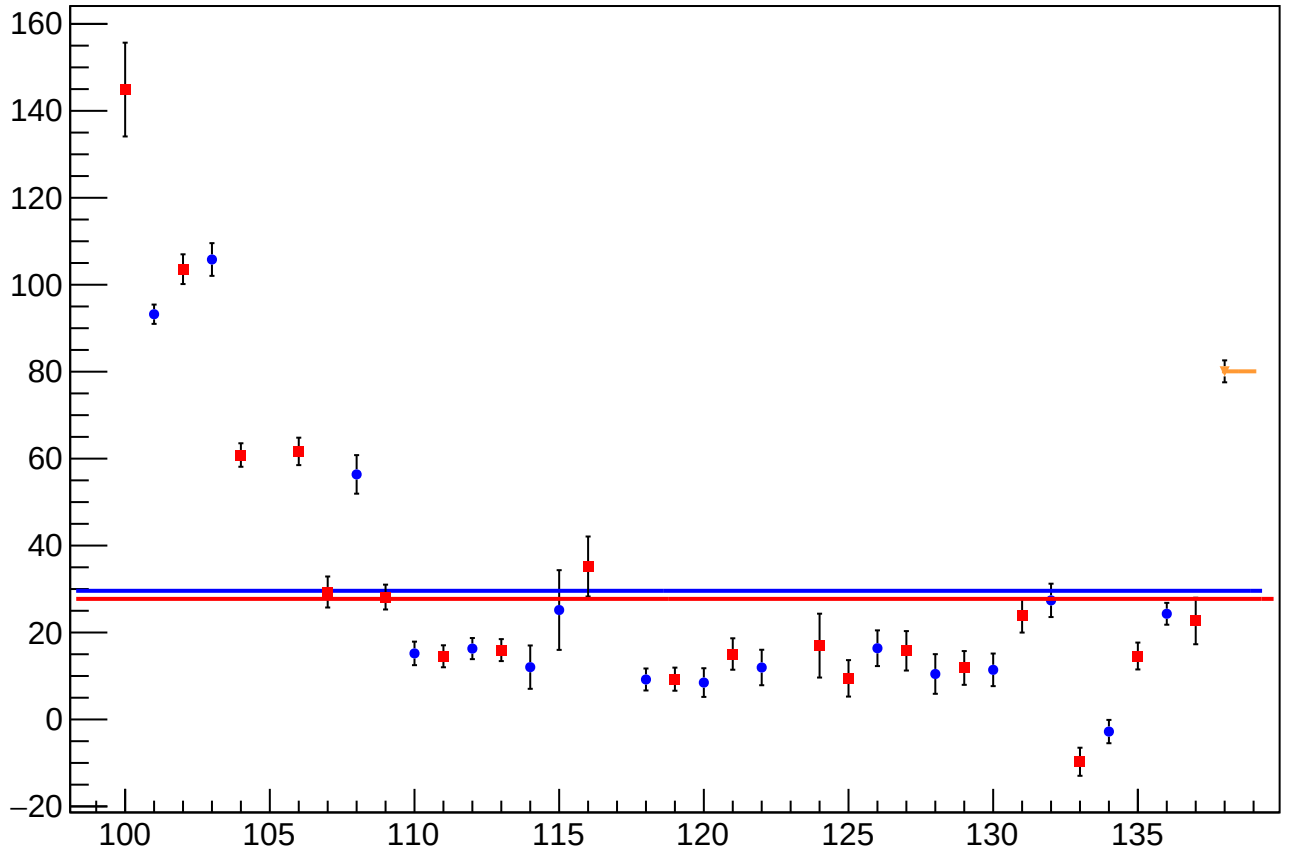
Left: -111.995+/-2.550 χ^2/NDF: 0.0/0

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -27.967+/-0.728 χ^2/NDF:894.7/15

Out: -30.024+/-0.642 χ^2/NDF:2093.0/19

All: -29.124+/-0.481 χ^2/NDF: 2992.1/35



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 80.079+/-2.526 χ^2/NDF:0.0/0

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

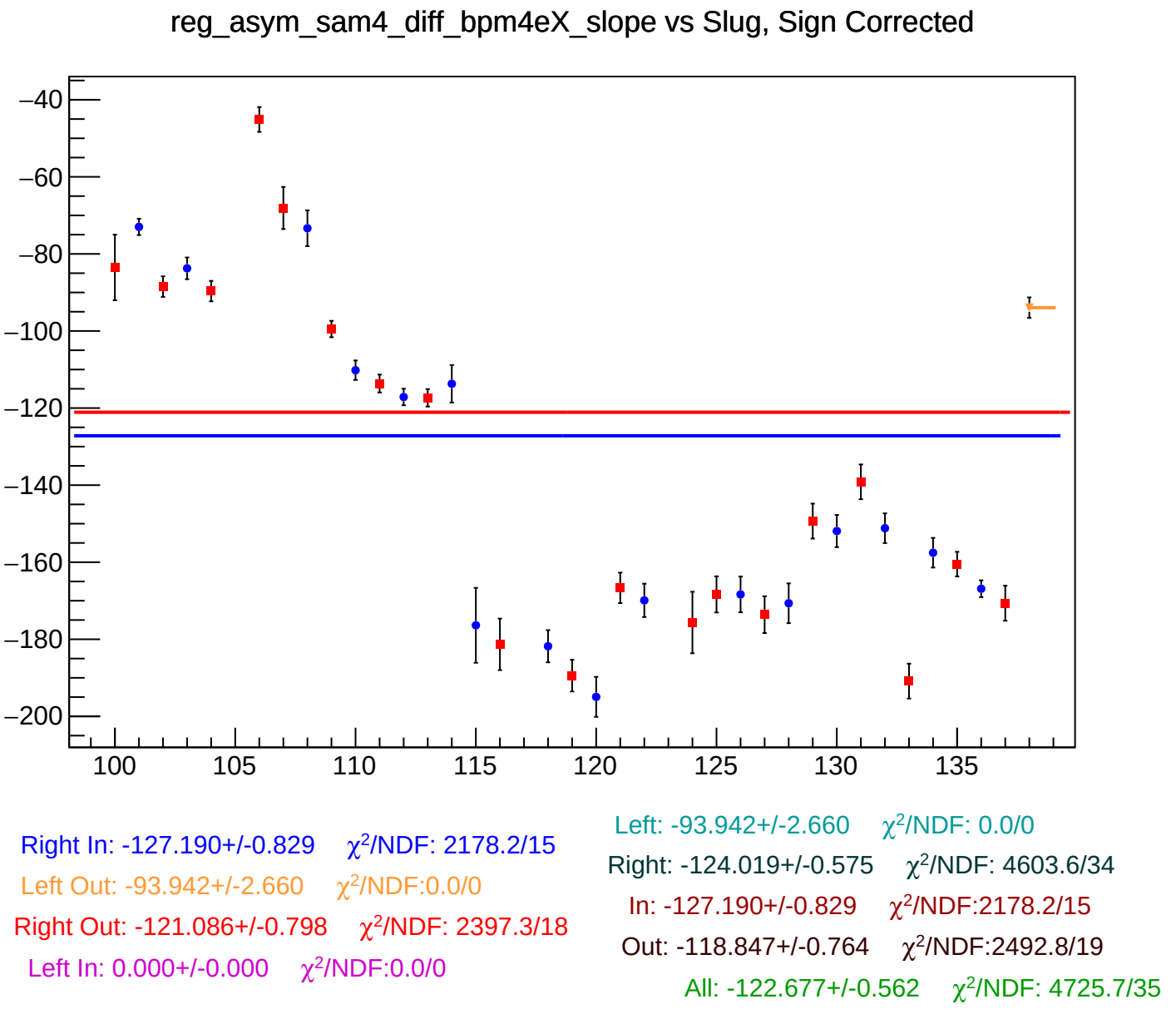
Left: 80.079+/-2.526 χ^2/NDF: 0.0/0

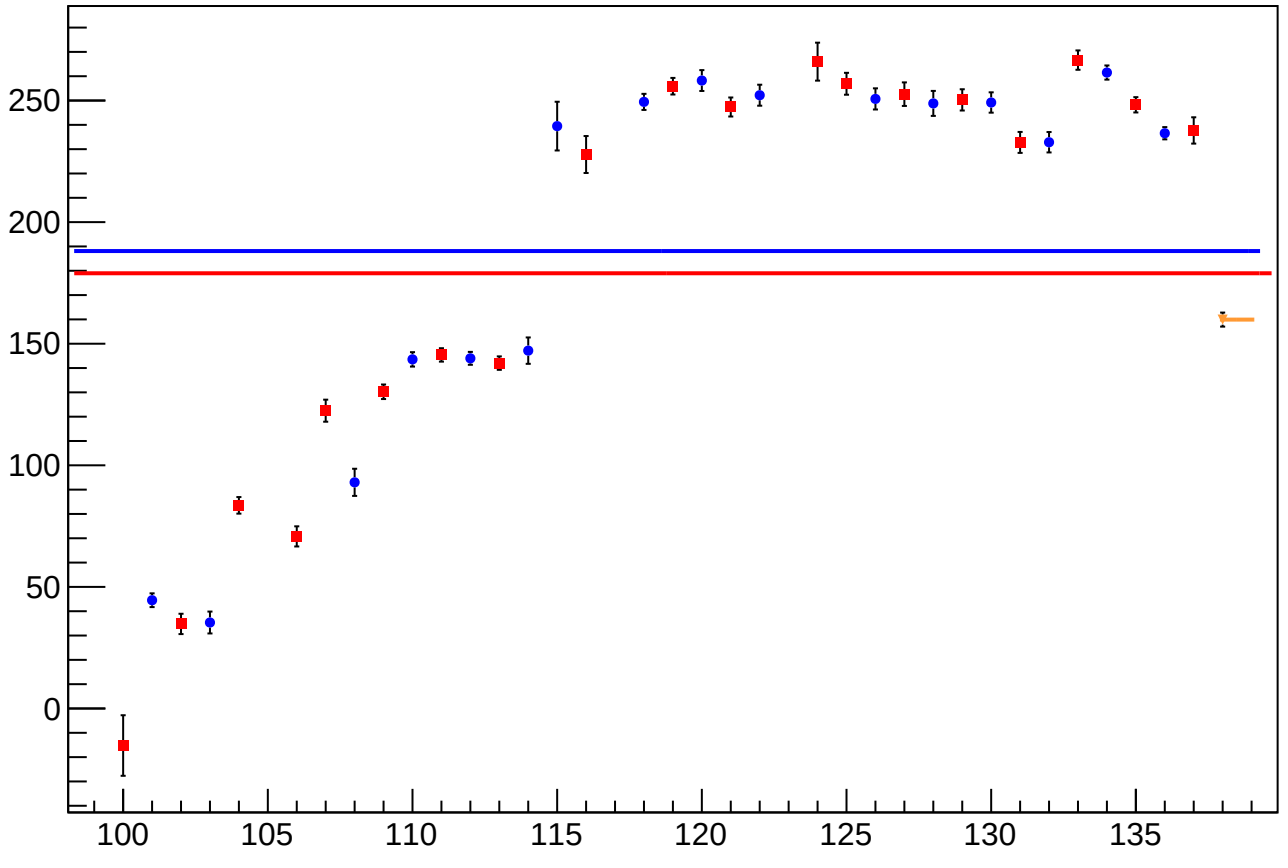
Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 29.594+/-0.807 χ^2/NDF:1665.7/15

Out: 32.474+/-0.760 χ^2/NDF:1575.5/19

All: 31.121+/-0.553 χ^2/NDF: 3248.0/35


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
Right In: -127.190+/-0.829 χ²/NDF: 2178.2/15
Left Out: -93.942+/-2.660 χ²/NDF:0.0/0
Right Out: -121.086+/-0.798 χ²/NDF: 2397.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -93.942+/-2.660 χ²/NDF: 0.0/0
Right: -124.019+/-0.575 χ²/NDF: 4603.6/34
In: -127.190+/-0.829 χ²/NDF:2178.2/15
Out: -118.847+/-0.764 χ²/NDF:2492.8/19
All: -122.677+/-0.562 χ²/NDF: 4725.7/35



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 159.918+/-2.887 χ^2/NDF:0.0/0

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

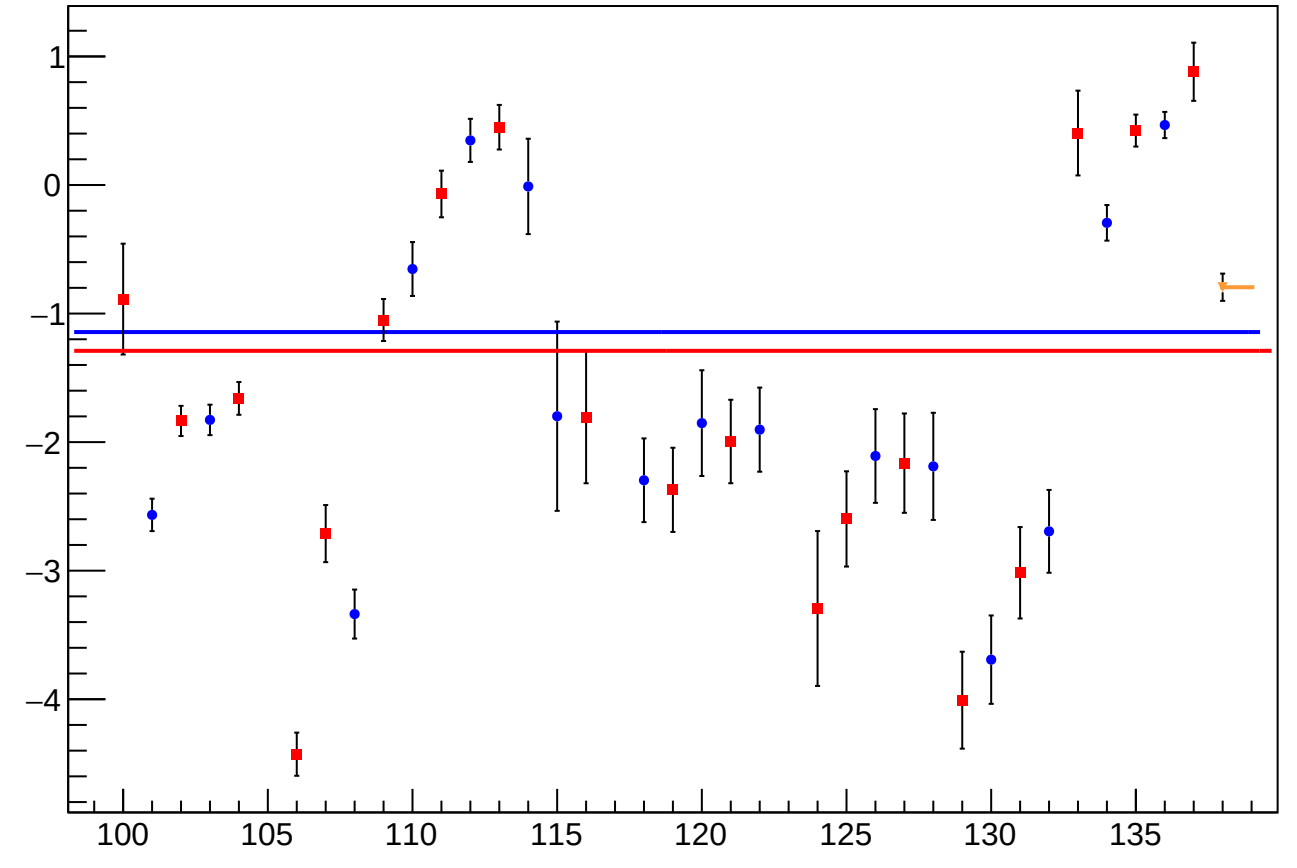
Left: 159.918+/-2.887 χ^2/NDF: 0.0/0

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 188.107+/-0.918 χ^2/NDF:7118.6/15

Out: 177.255+/-0.866 χ^2/NDF:6708.4/19

All: 182.366+/-0.630 χ^2/NDF: 13901.0/35



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.795+/-0.106 χ^2/NDF:0.0/0

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

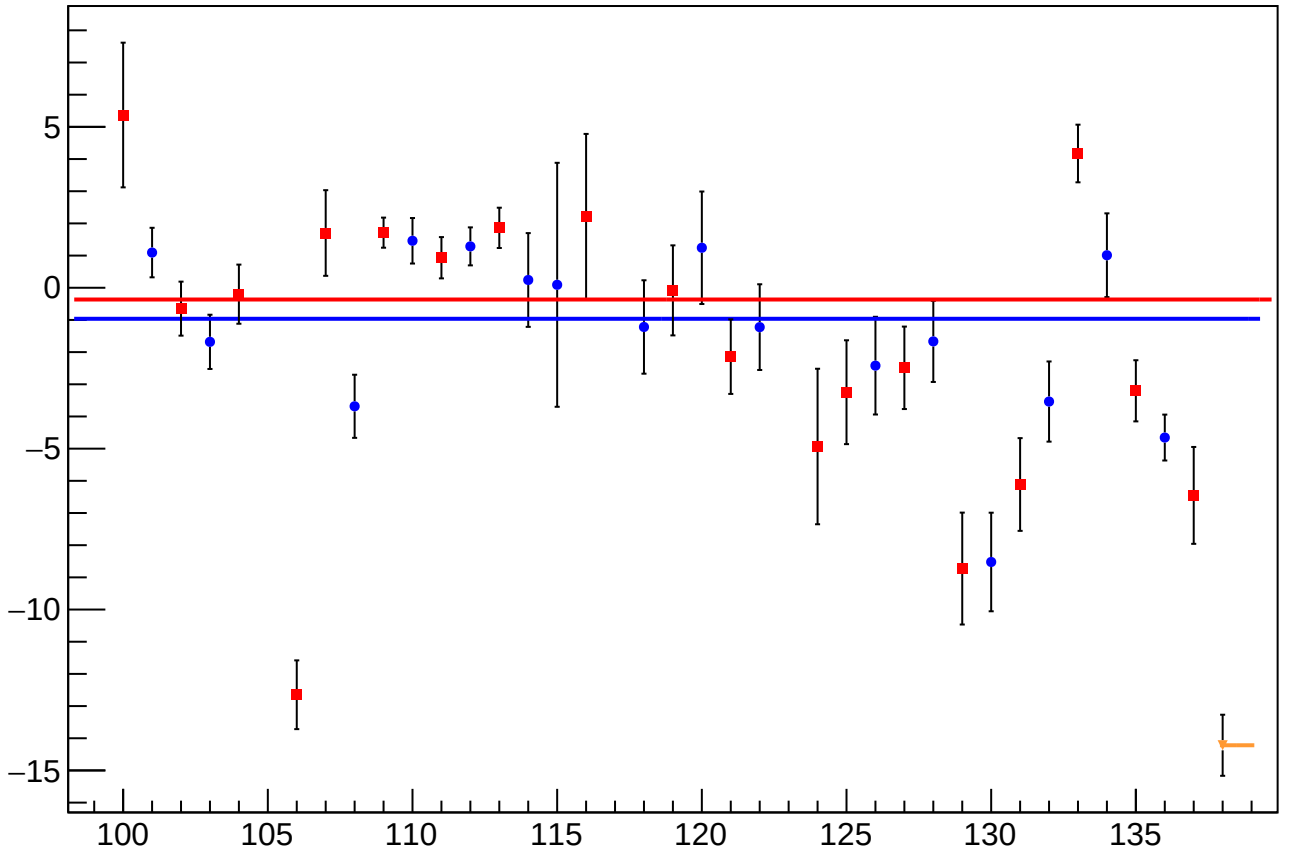
Left: -0.795+/-0.106 χ^2/NDF: 0.0/0

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -1.144+/-0.048 χ^2/NDF:787.4/15

Out: -1.207+/-0.043 χ^2/NDF:1016.4/19

All: -1.179+/-0.032 χ^2/NDF: 1804.7/35



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -14.218+/-0.949 χ^2/NDF:0.0/0

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

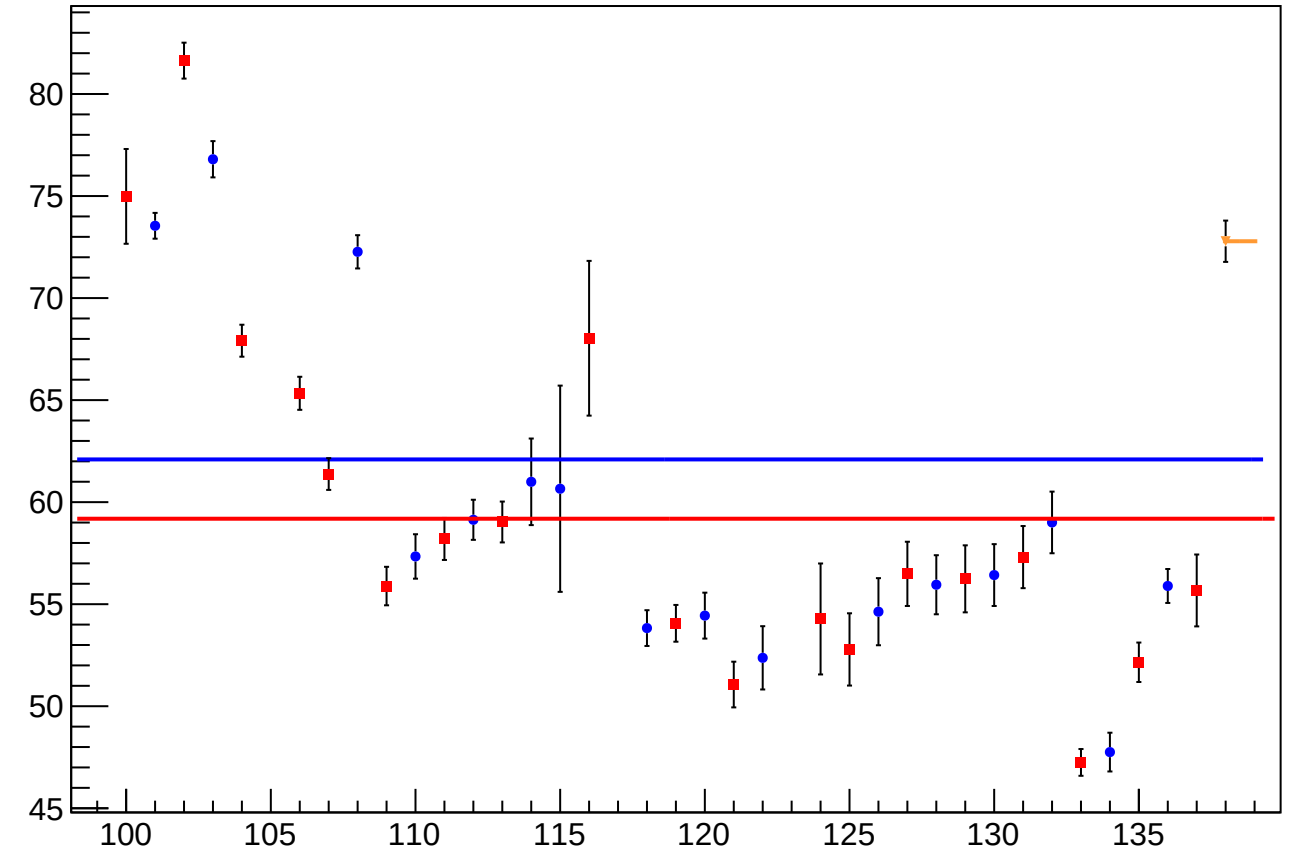
Left: -14.218+/-0.949 χ^2/NDF: 0.0/0

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -0.964+/-0.253 χ^2/NDF:103.2/15

Out: -1.094+/-0.218 χ^2/NDF:482.4/19

All: -1.039+/-0.165 χ^2/NDF: 585.8/35



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 72.785+/-1.012 χ^2/NDF:0.0/0

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

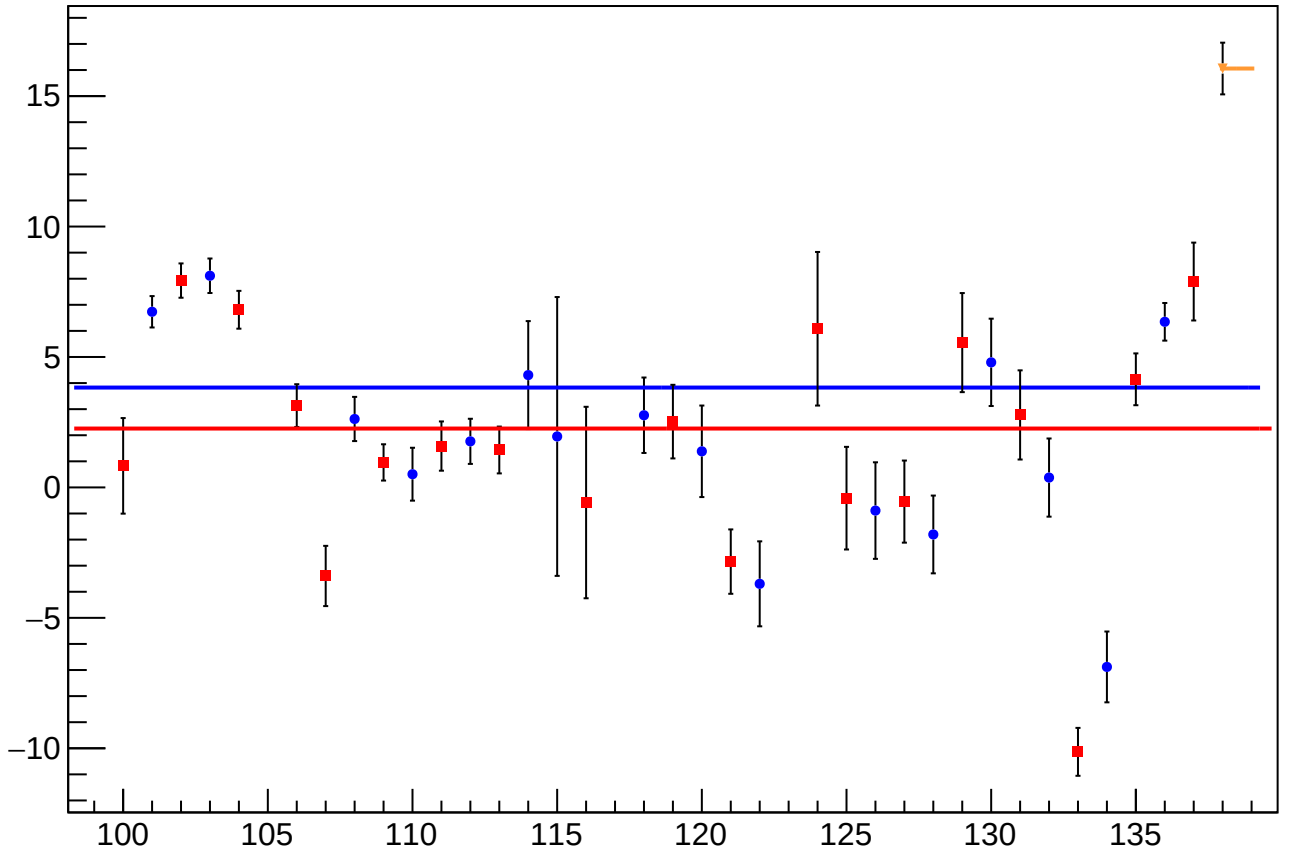
Left: 72.785+/-1.012 χ^2/NDF: 0.0/0

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 62.094+/-0.265 χ^2/NDF:1301.3/15

Out: 59.934+/-0.237 χ^2/NDF:1572.8/19

All: 60.892+/-0.177 χ^2/NDF: 2910.9/35



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 16.057+/-0.991 χ^2/NDF:0.0/0

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

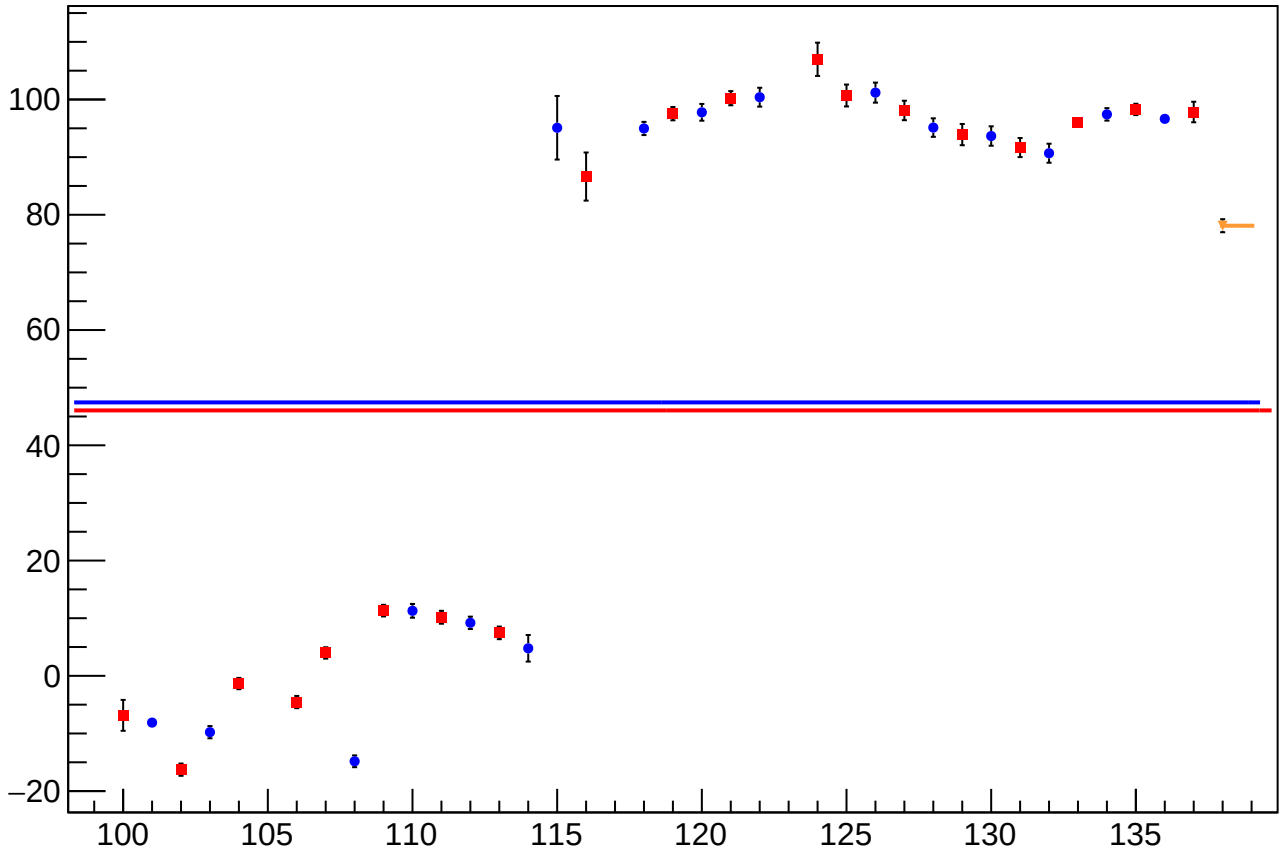
Left: 16.057+/-0.991 χ^2/NDF: 0.0/0

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 3.828+/-0.265 χ^2/NDF:208.6/15

Out: 3.060+/-0.239 χ^2/NDF:554.6/19

All: 3.405+/-0.178 χ^2/NDF: 767.8/35



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 78.100+/-1.133 χ^2/NDF:0.0/0

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

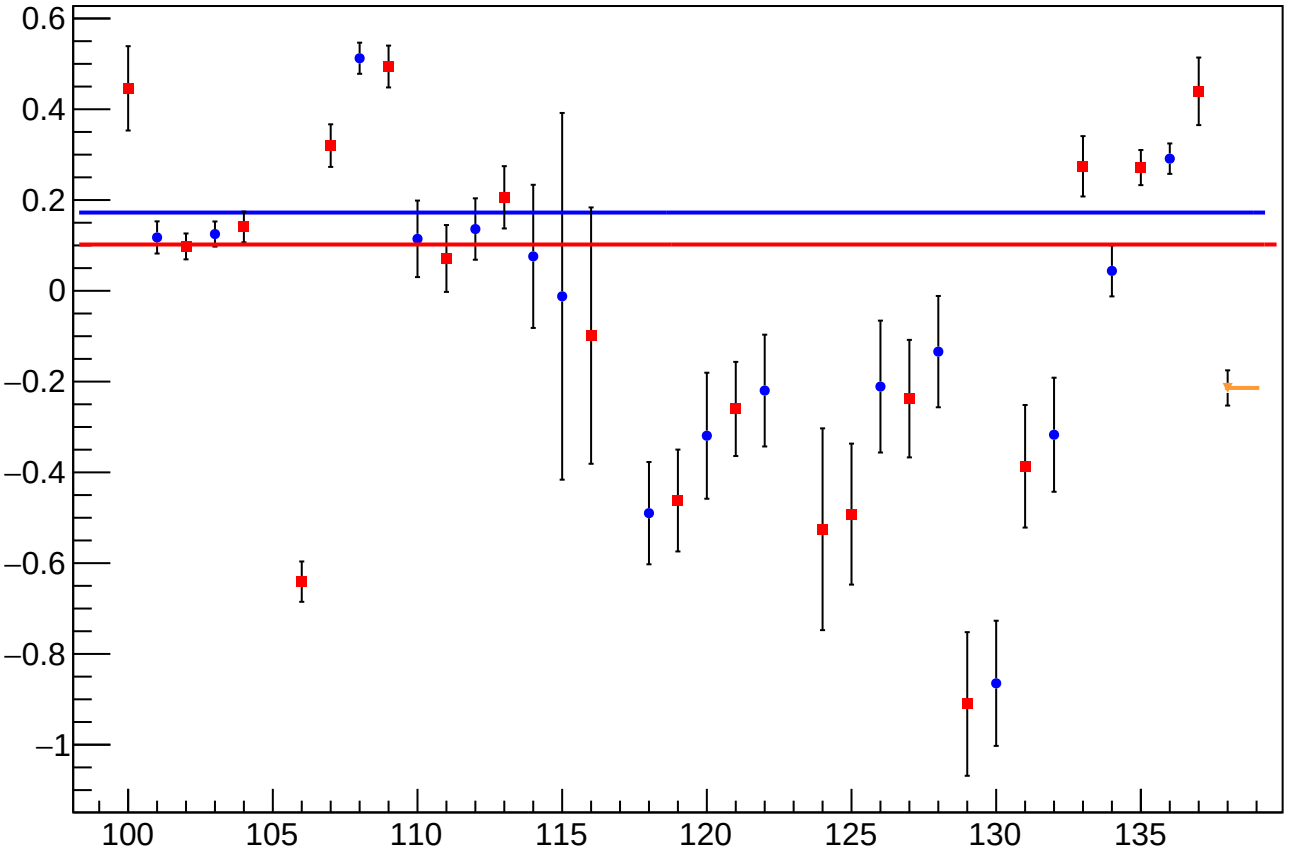
Left: 78.100+/-1.133 χ^2/NDF: 0.0/0

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 47.443+/-0.308 χ^2/NDF:26886.9/15

Out: 47.952+/-0.276 χ^2/NDF:29650.3/19

All: 47.726+/-0.206 χ^2/NDF: 56538.7/35



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.214+/-0.039 χ^2/NDF:0.0/0

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

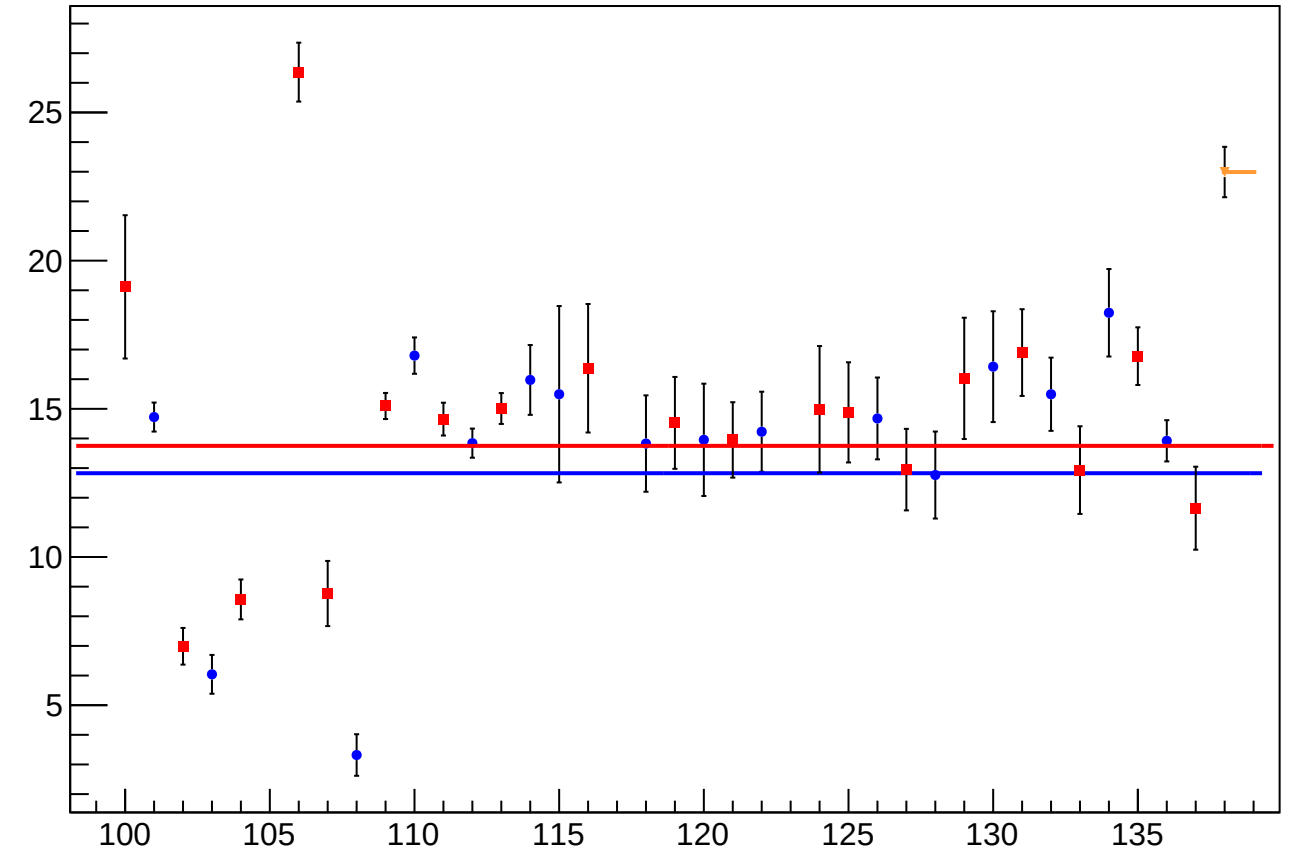
Left: -0.214+/-0.039 χ^2/NDF: 0.0/0

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: 0.172+/-0.014 χ^2/NDF:265.0/15

Out: 0.068+/-0.013 χ^2/NDF:617.9/19

All: 0.115+/-0.009 χ^2/NDF: 913.0/35



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.990+/-0.851 χ^2/NDF:0.0/0

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

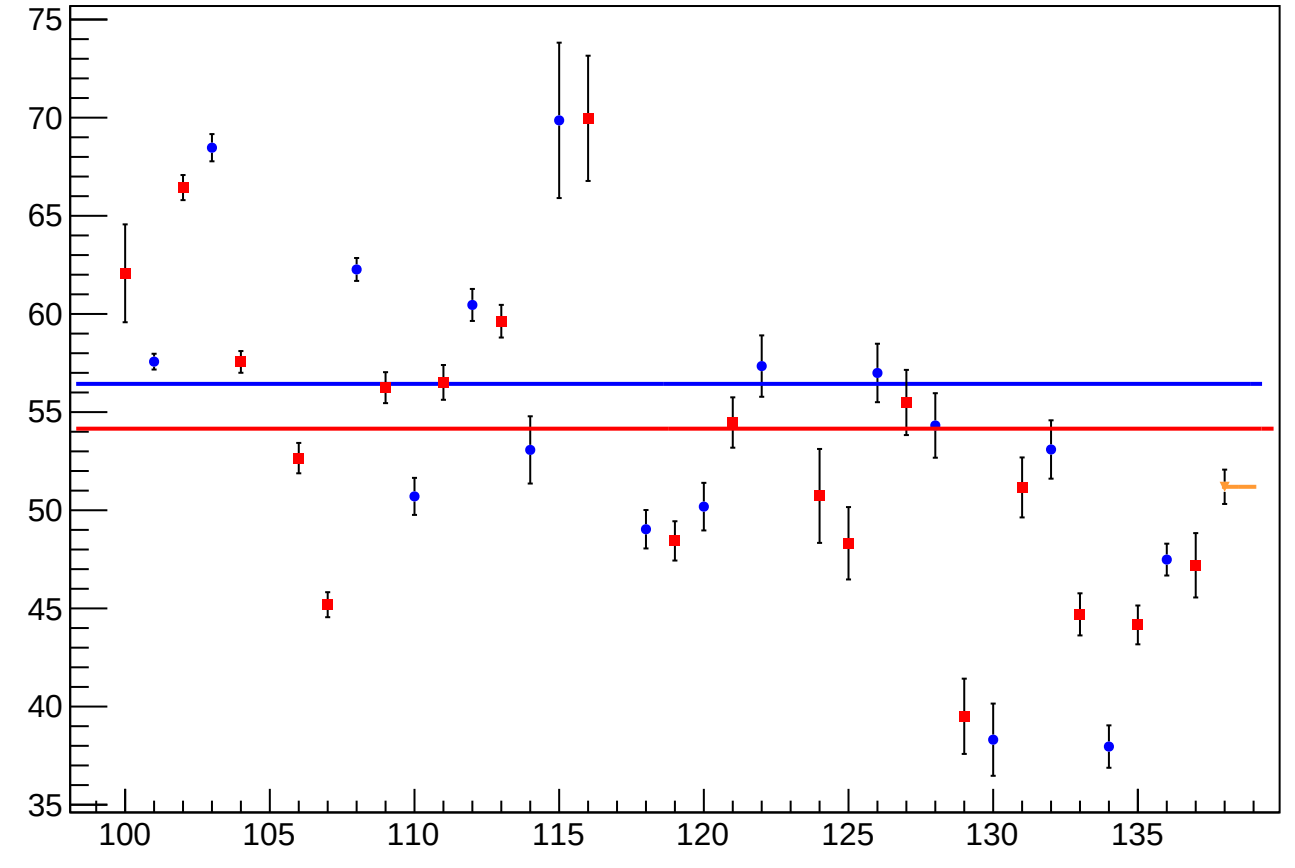
Left: 22.990+/-0.851 χ^2/NDF: 0.0/0

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 12.827+/-0.214 χ^2/NDF:388.0/15

Out: 14.253+/-0.198 χ^2/NDF:515.6/19

All: 13.594+/-0.146 χ^2/NDF: 927.4/35



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 51.195+/-0.874 χ^2/NDF:0.0/0

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

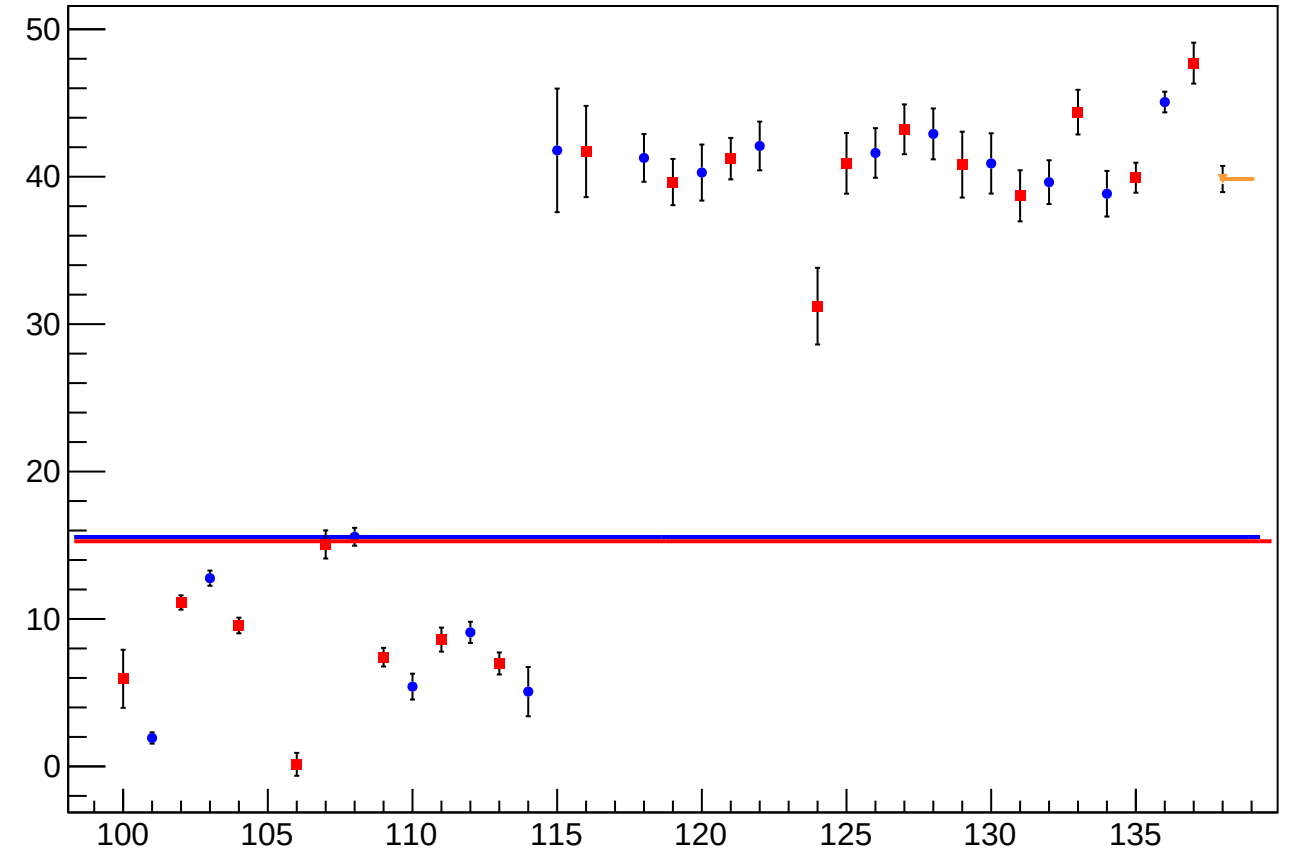
Left: 51.195+/-0.874 χ^2/NDF: 0.0/0

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 56.438+/-0.222 χ^2/NDF:1088.0/15

Out: 53.973+/-0.217 χ^2/NDF:1017.4/19

All: 55.181+/-0.155 χ^2/NDF: 2168.3/35



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 39.845+/-0.888 χ^2/NDF:0.0/0

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

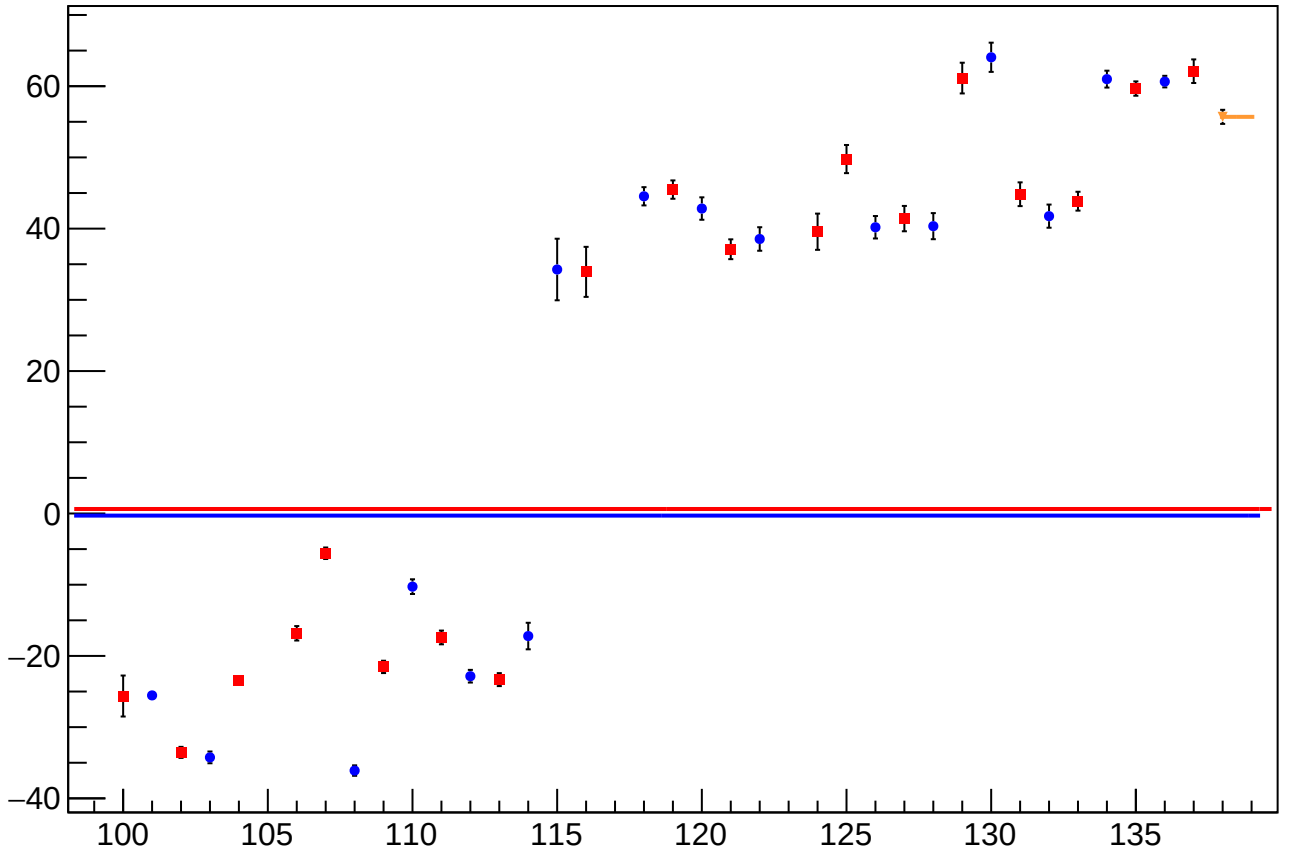
Left: 39.845+/-0.888 χ^2/NDF: 0.0/0

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 15.561+/-0.214 χ^2/NDF:5176.0/15

Out: 16.683+/-0.213 χ^2/NDF:4594.9/19

All: 16.125+/-0.151 χ^2/NDF: 9784.7/35



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 55.696+/-0.989 χ^2/NDF:0.0/0

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

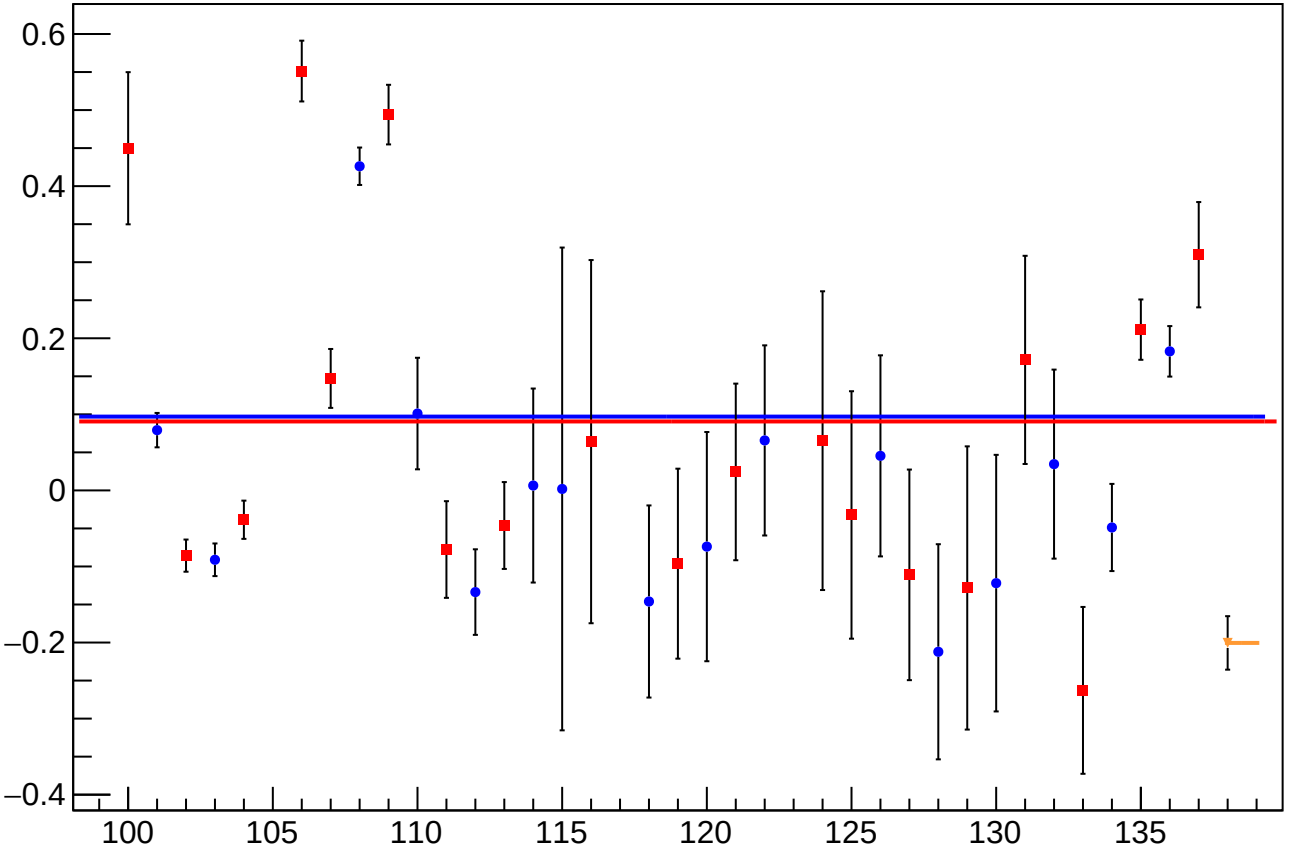
Left: 55.696+/-0.989 χ^2/NDF: 0.0/0

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: -0.296+/-0.261 χ^2/NDF:21030.9/15

Out: 4.282+/-0.255 χ^2/NDF:18919.5/19

All: 2.052+/-0.182 χ^2/NDF: 40107.7/35



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.201+/-0.035 χ^2/NDF:0.0/0

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

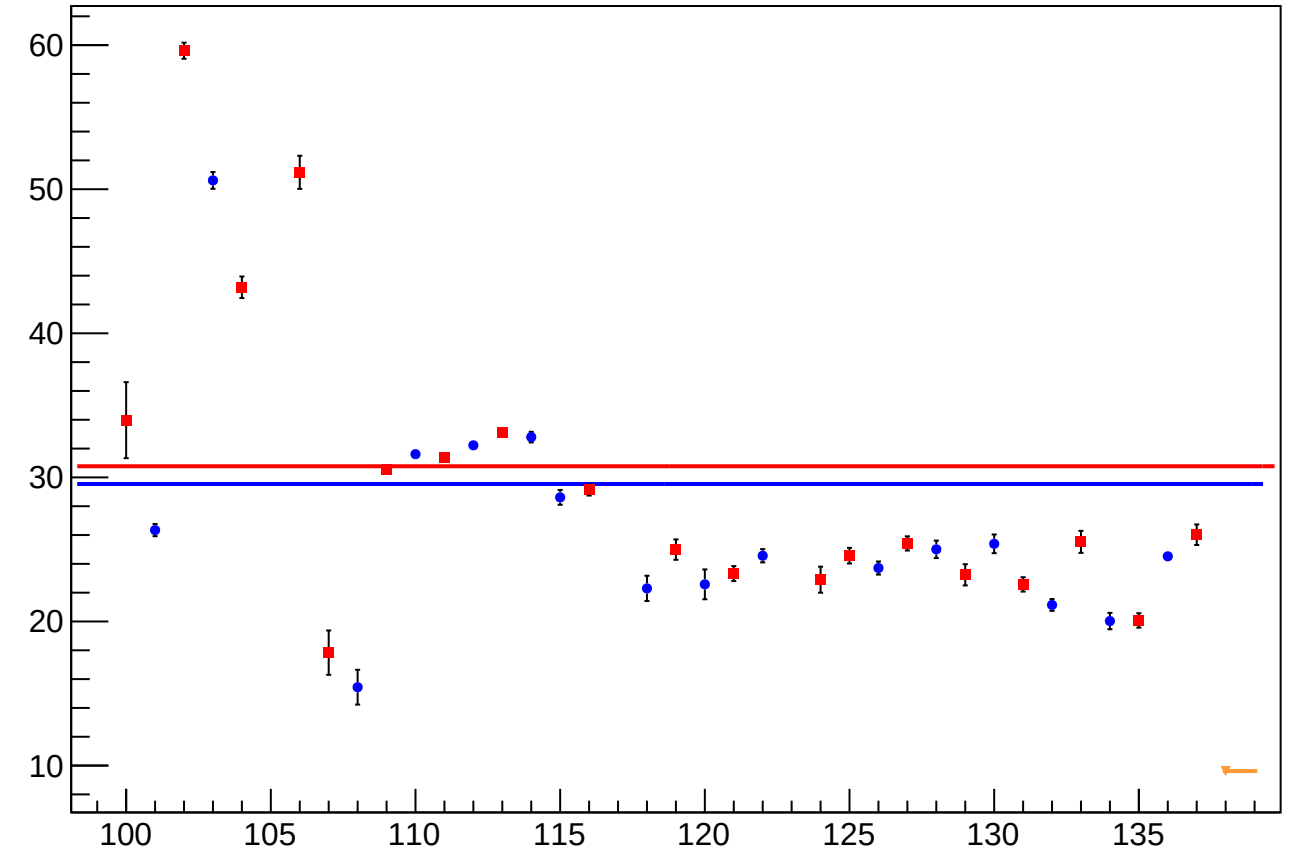
Left: -0.201+/-0.035 χ^2/NDF: 0.0/0

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: 0.097+/-0.011 χ^2/NDF:299.1/15

Out: 0.063+/-0.011 χ^2/NDF:461.5/19

All: 0.079+/-0.008 χ^2/NDF: 765.4/35



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 9.620+/-0.330 χ^2/NDF:0.0/0

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

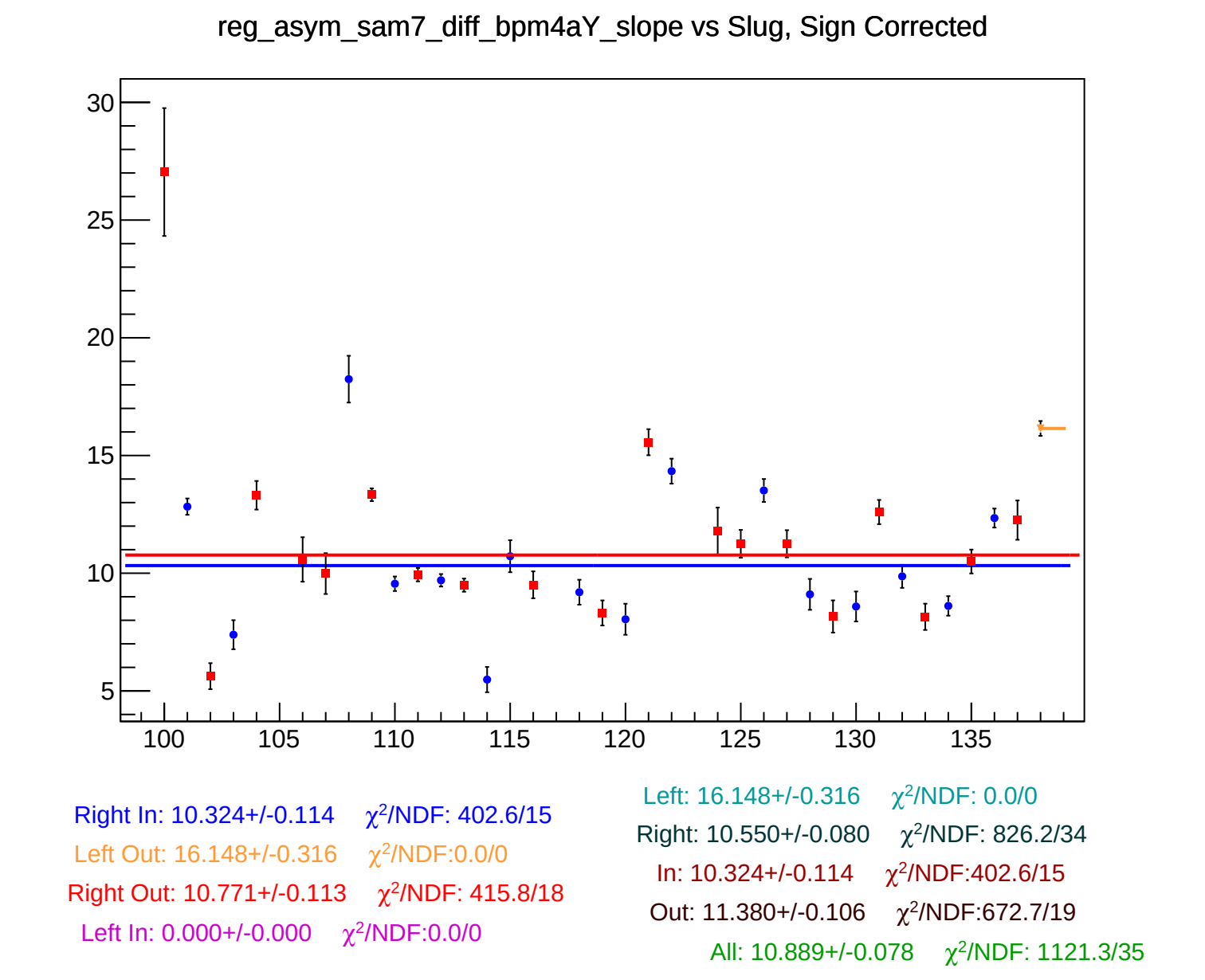
Left: 9.620+/-0.330 χ^2/NDF: 0.0/0

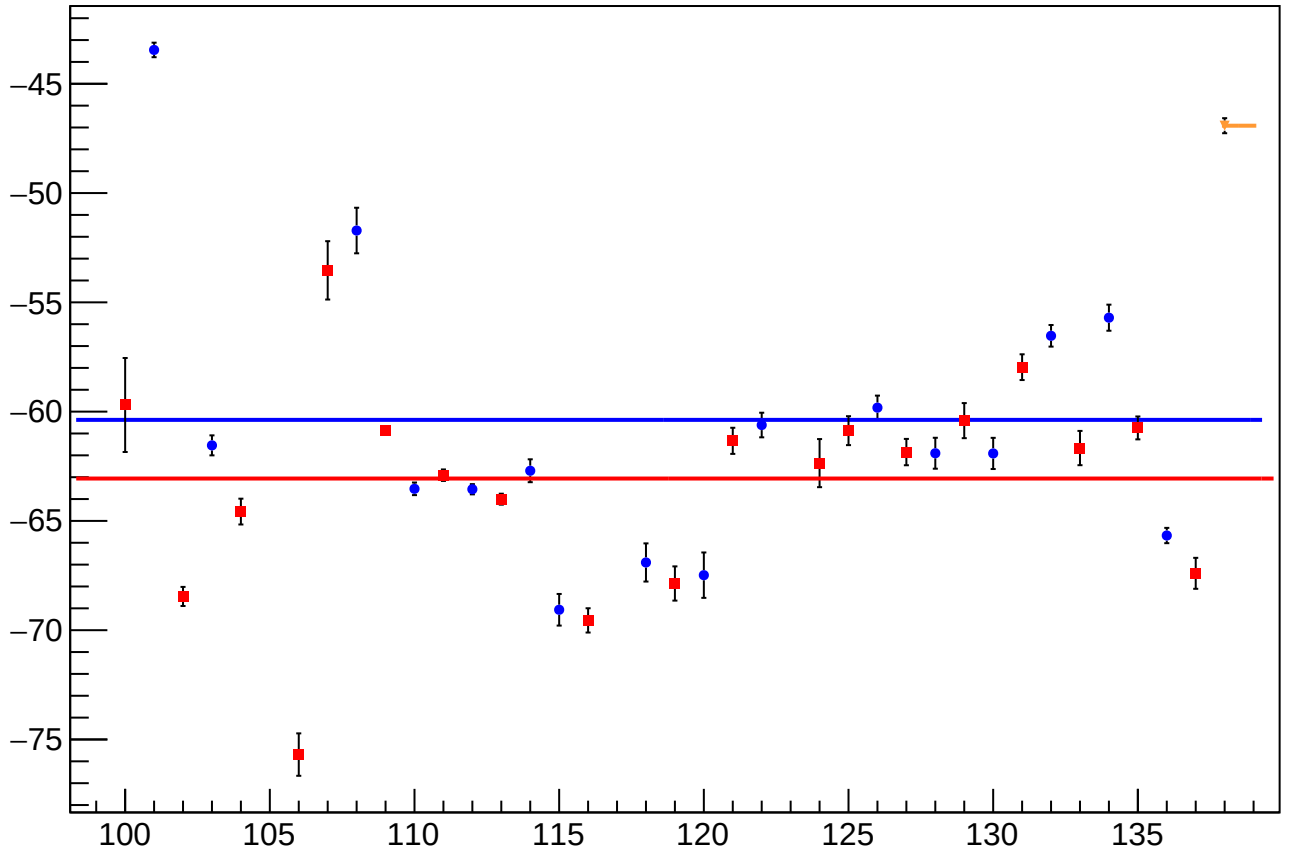
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 29.542+/-0.092 χ^2/NDF:3372.2/15

Out: 29.593+/-0.078 χ^2/NDF:8966.4/19

All: 29.572+/-0.059 χ^2/NDF: 12338.8/35


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
100
105
110
115
120
125
130
135
Right In: 10.324+/-0.114 χ²/NDF: 402.6/15
Left Out: 16.148+/-0.316 χ²/NDF:0.0/0
Right Out: 10.771+/-0.113 χ²/NDF: 415.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 16.148+/-0.316 χ²/NDF: 0.0/0
Right: 10.550+/-0.080 χ²/NDF: 826.2/34
In: 10.324+/-0.114 χ²/NDF:402.6/15
Out: 11.380+/-0.106 χ²/NDF:672.7/19
All: 10.889+/-0.078 χ²/NDF: 1121.3/35



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -46.918+/-0.344 χ^2/NDF:0.0/0

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

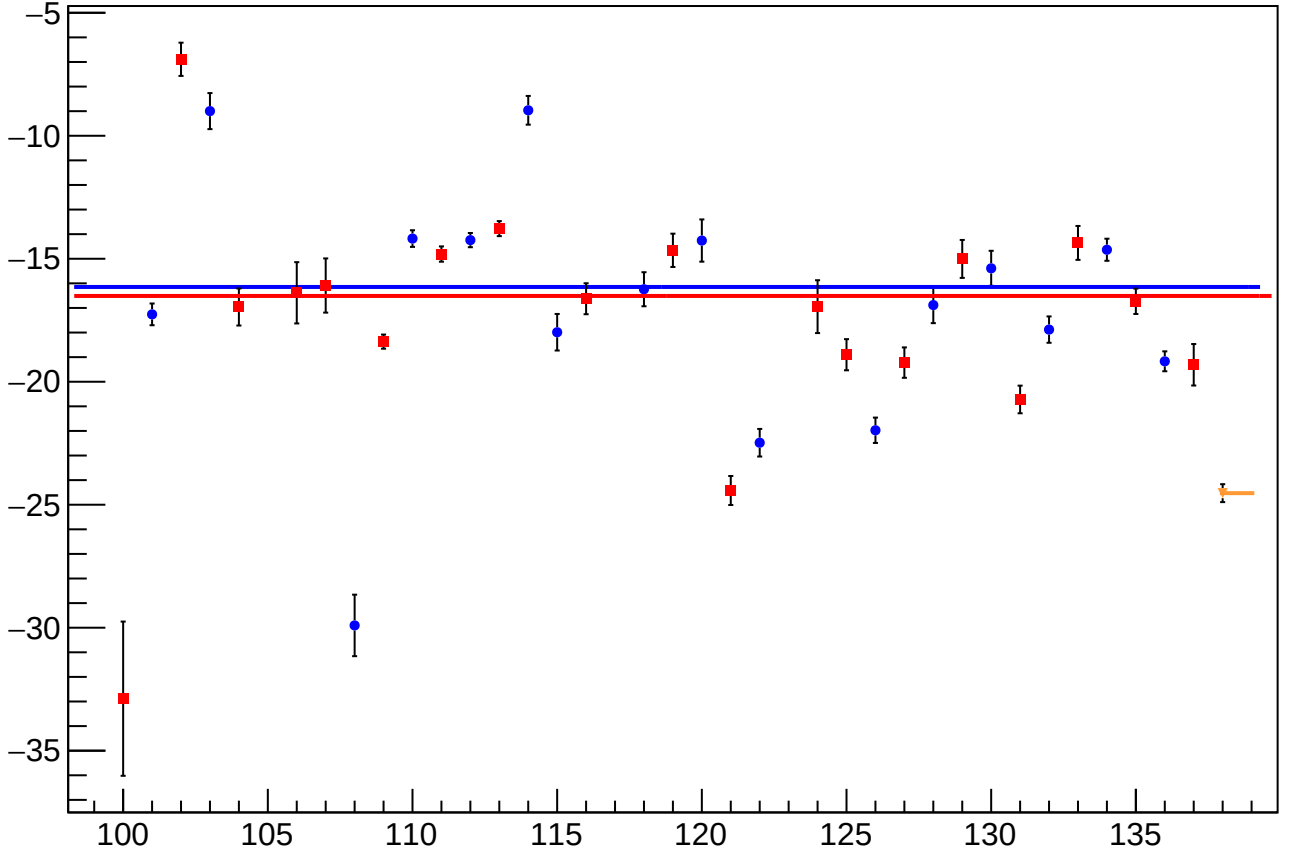
Left: -46.918+/-0.344 χ^2/NDF: 0.0/0

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -60.377+/-0.113 χ^2/NDF:3597.6/15

Out: -61.630+/-0.102 χ^2/NDF:2852.3/19

All: -61.065+/-0.076 χ^2/NDF: 6517.4/35



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -24.530+/-0.364 χ^2/NDF:0.0/0

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

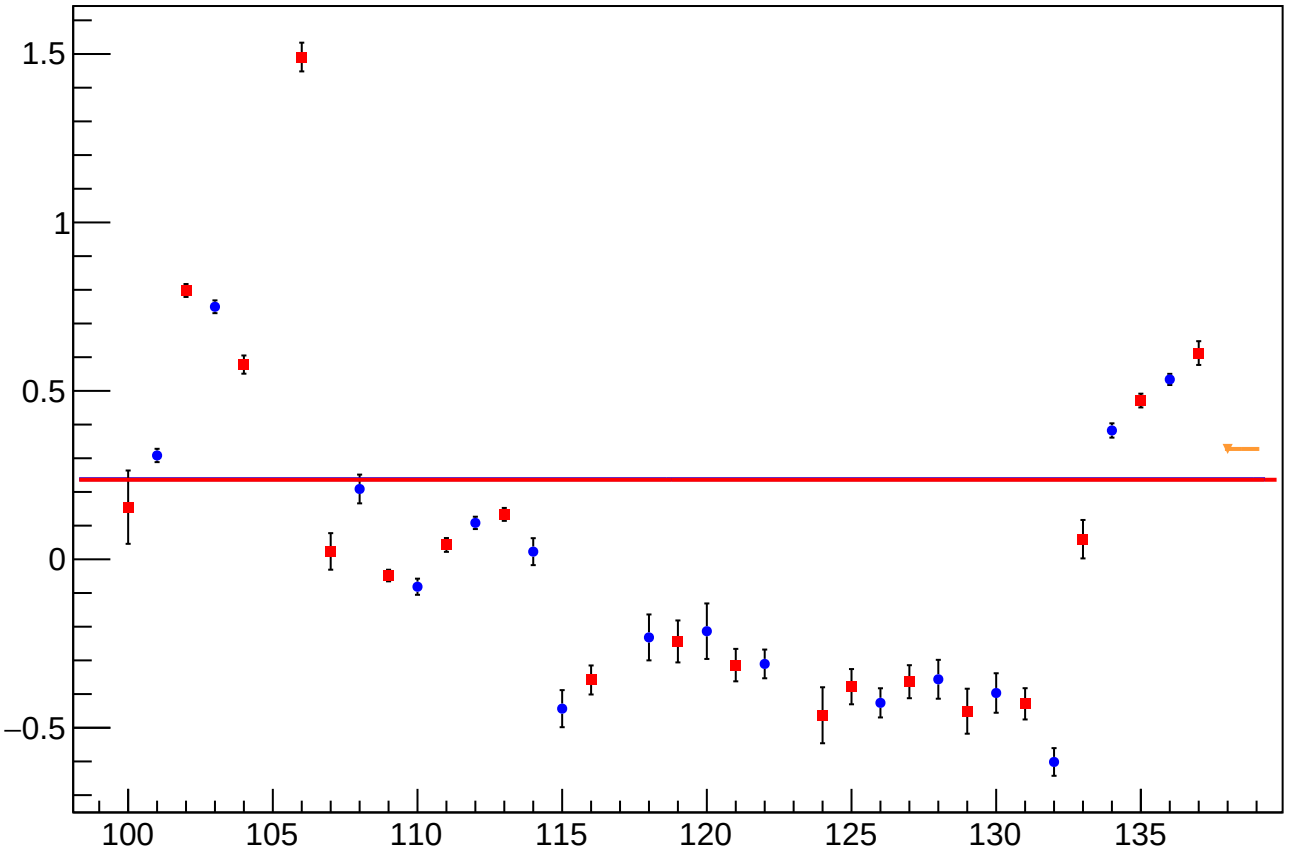
Left: -24.530+/-0.364 χ^2/NDF: 0.0/0

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -16.147+/-0.127 χ^2/NDF:797.1/15

Out: -17.352+/-0.118 χ^2/NDF:1118.2/19

All: -16.795+/-0.086 χ^2/NDF: 1963.6/35



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.328+/-0.014 χ^2/NDF:0.0/0

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

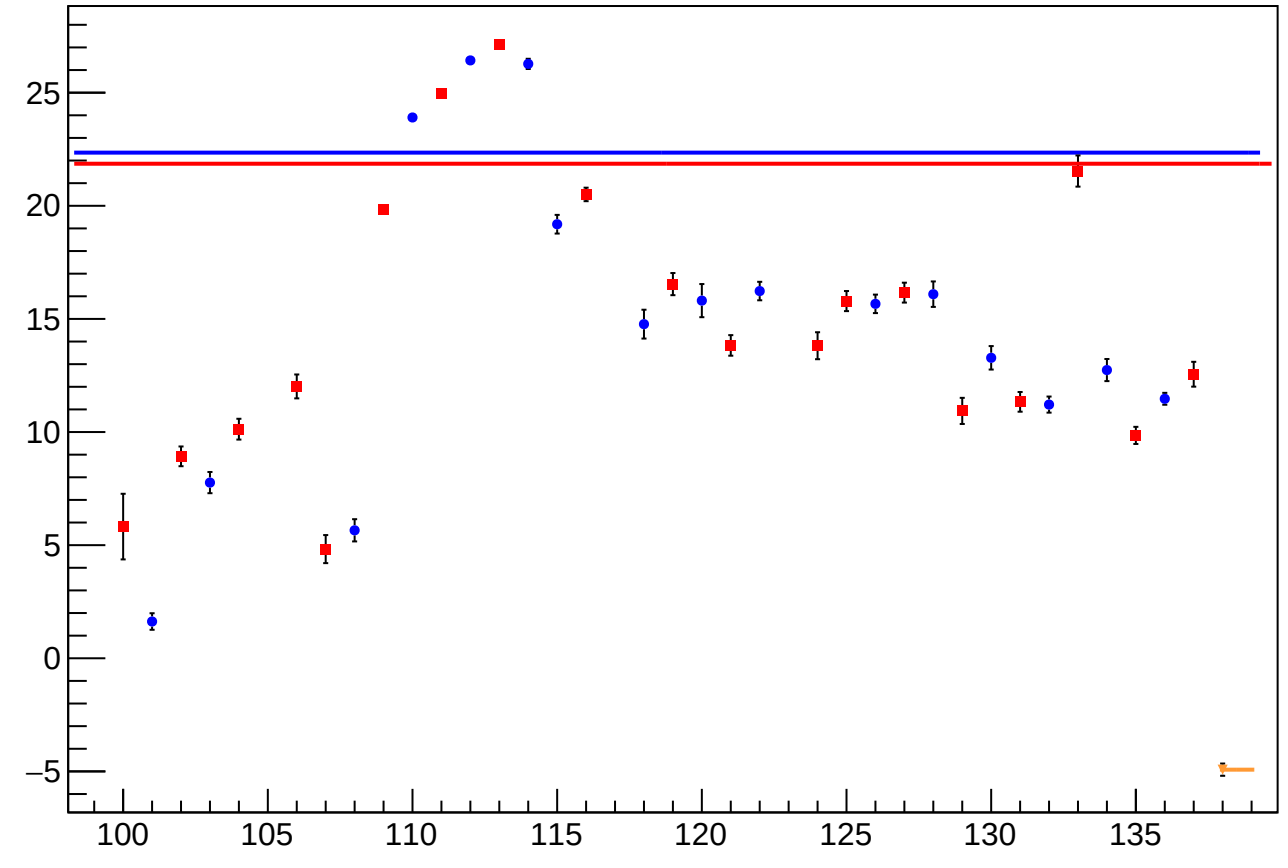
Left: 0.328+/-0.014 χ^2/NDF: 0.0/0

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.238+/-0.007 χ^2/NDF:2632.9/15

Out: 0.255+/-0.006 χ^2/NDF:3629.5/19

All: 0.247+/-0.005 χ^2/NDF: 6265.7/35



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -4.923+/-0.271 χ^2/NDF:0.0/0

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

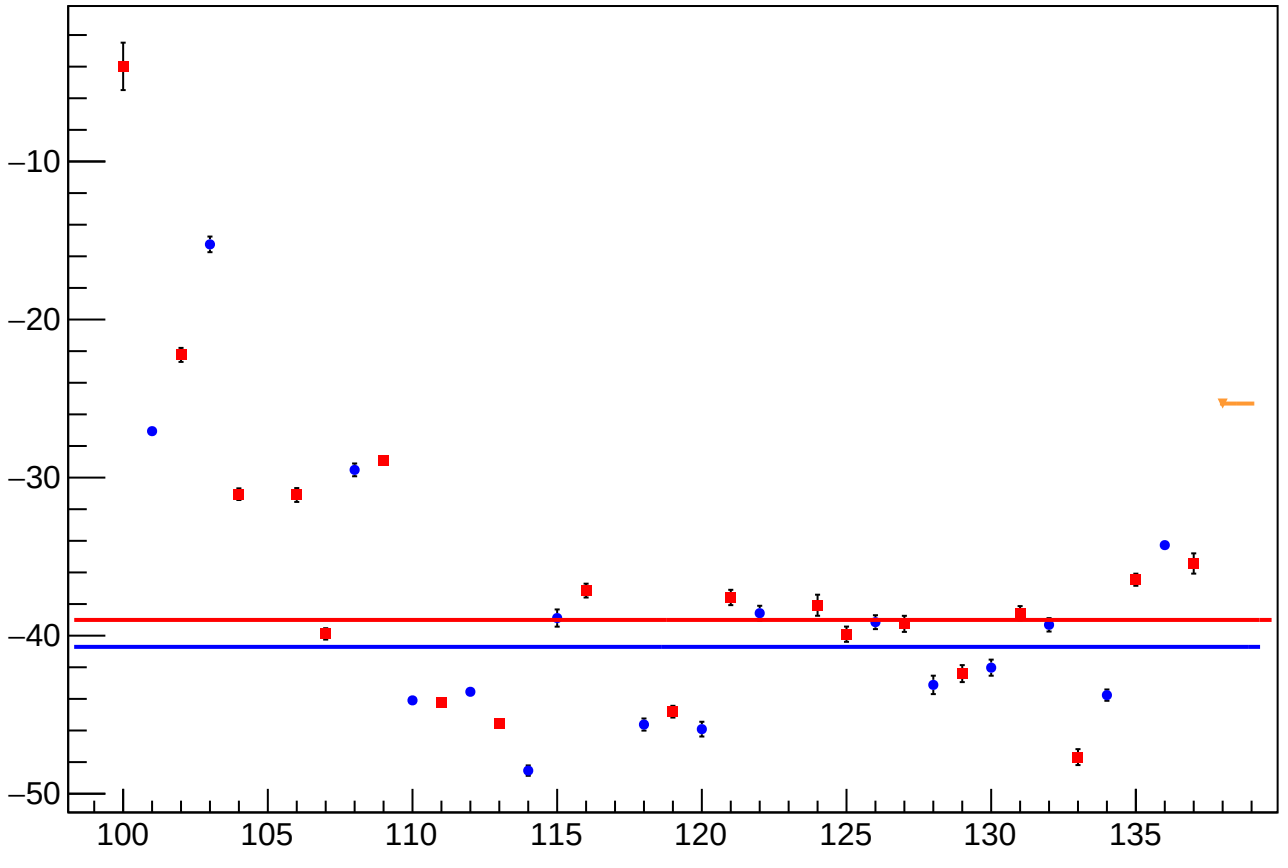
Left: -4.923+/-0.271 χ^2/NDF: 0.0/0

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 22.350+/-0.057 χ^2/NDF:12336.9/15

Out: 21.100+/-0.046 χ^2/NDF:20184.4/19

All: 21.593+/-0.036 χ^2/NDF: 32817.3/35



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -25.316+/-0.262 χ^2/NDF:0.0/0

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

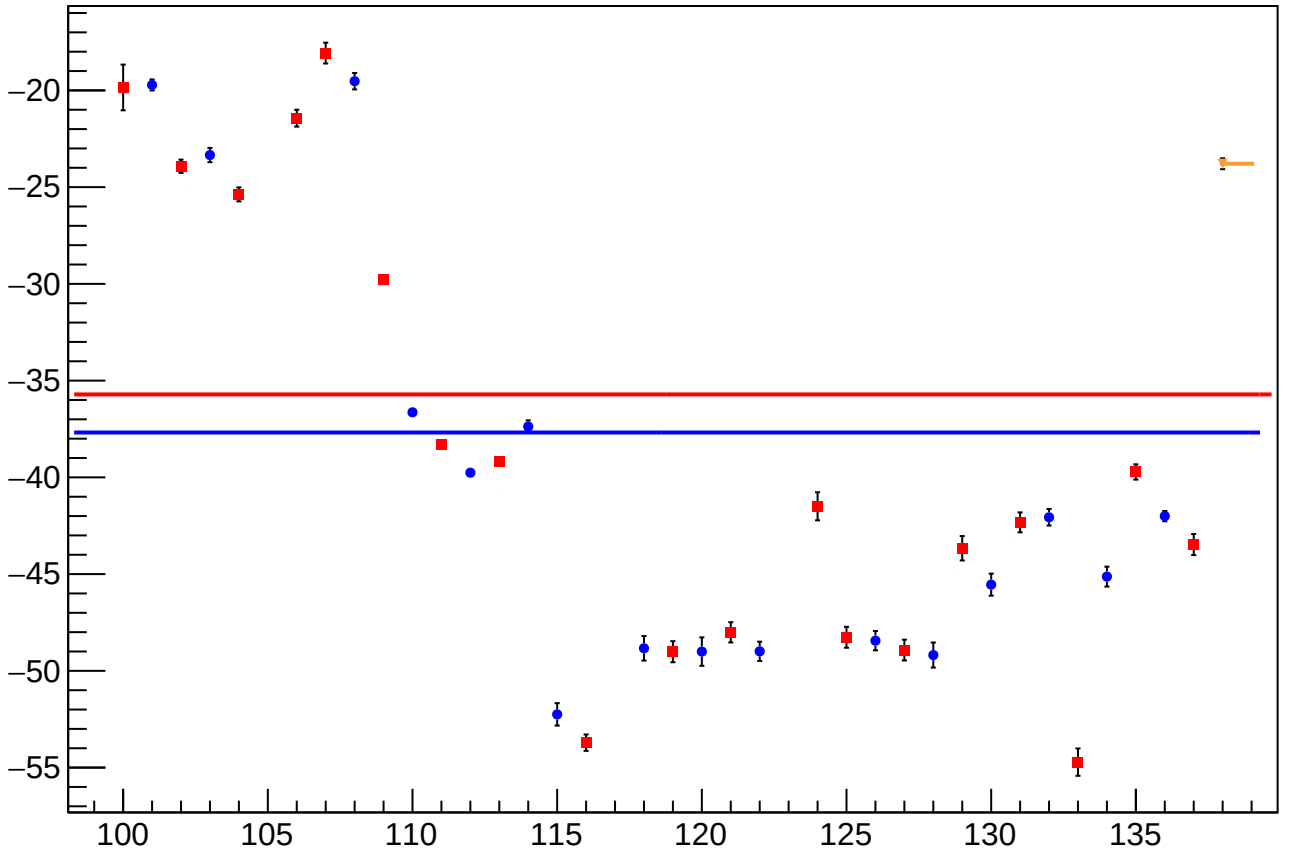
Left: -25.316+/-0.262 χ^2/NDF: 0.0/0

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -40.709+/-0.076 χ^2/NDF:7780.4/15

Out: -38.067+/-0.069 χ^2/NDF:12645.4/19

All: -39.244+/-0.051 χ^2/NDF: 21087.2/35



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -23.790+/-0.283 χ^2/NDF:0.0/0

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

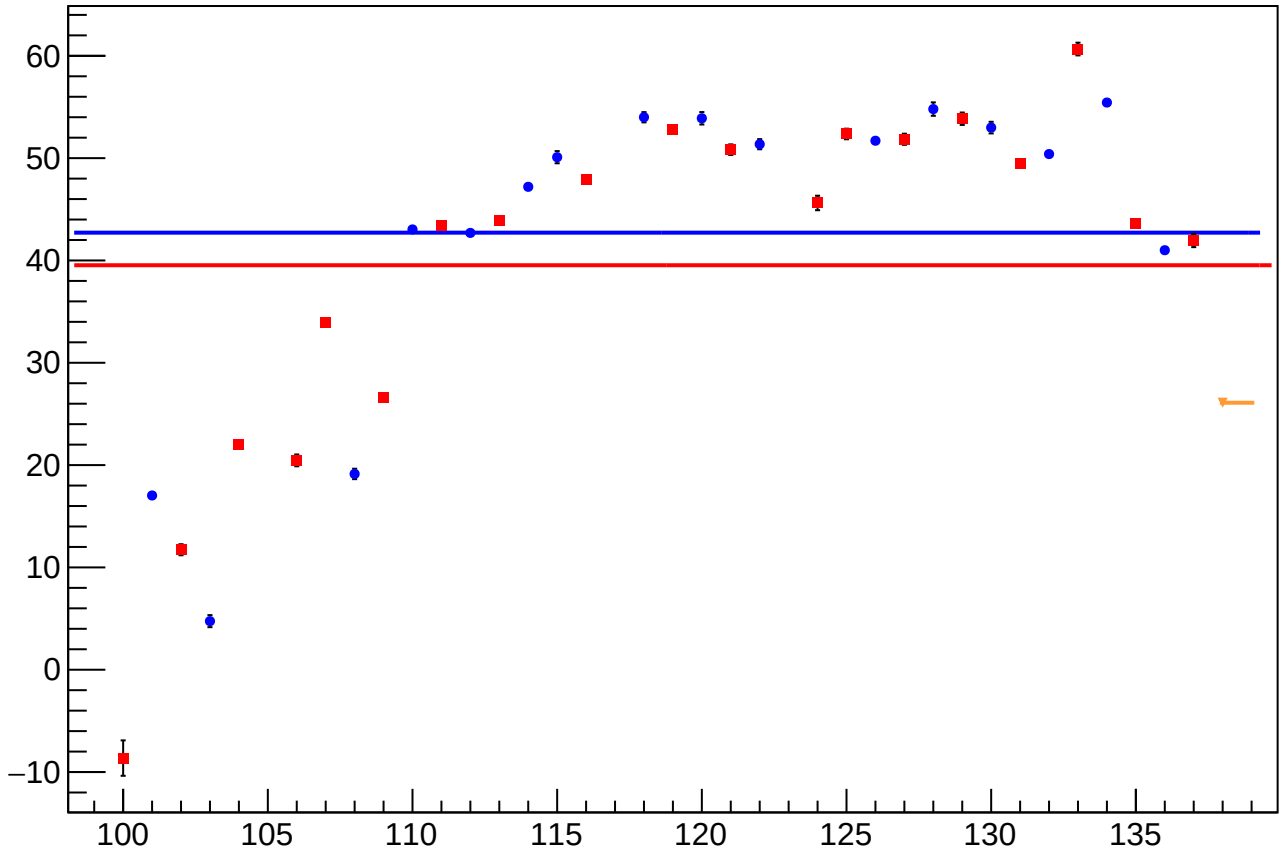
Left: -23.790+/-0.283 χ^2/NDF: 0.0/0

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -37.681+/-0.074 χ^2/NDF:10853.9/15

Out: -35.127+/-0.063 χ^2/NDF:14966.3/19

All: -36.199+/-0.048 χ^2/NDF: 26516.4/35



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 26.096+/-0.301 χ^2/NDF:0.0/0

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

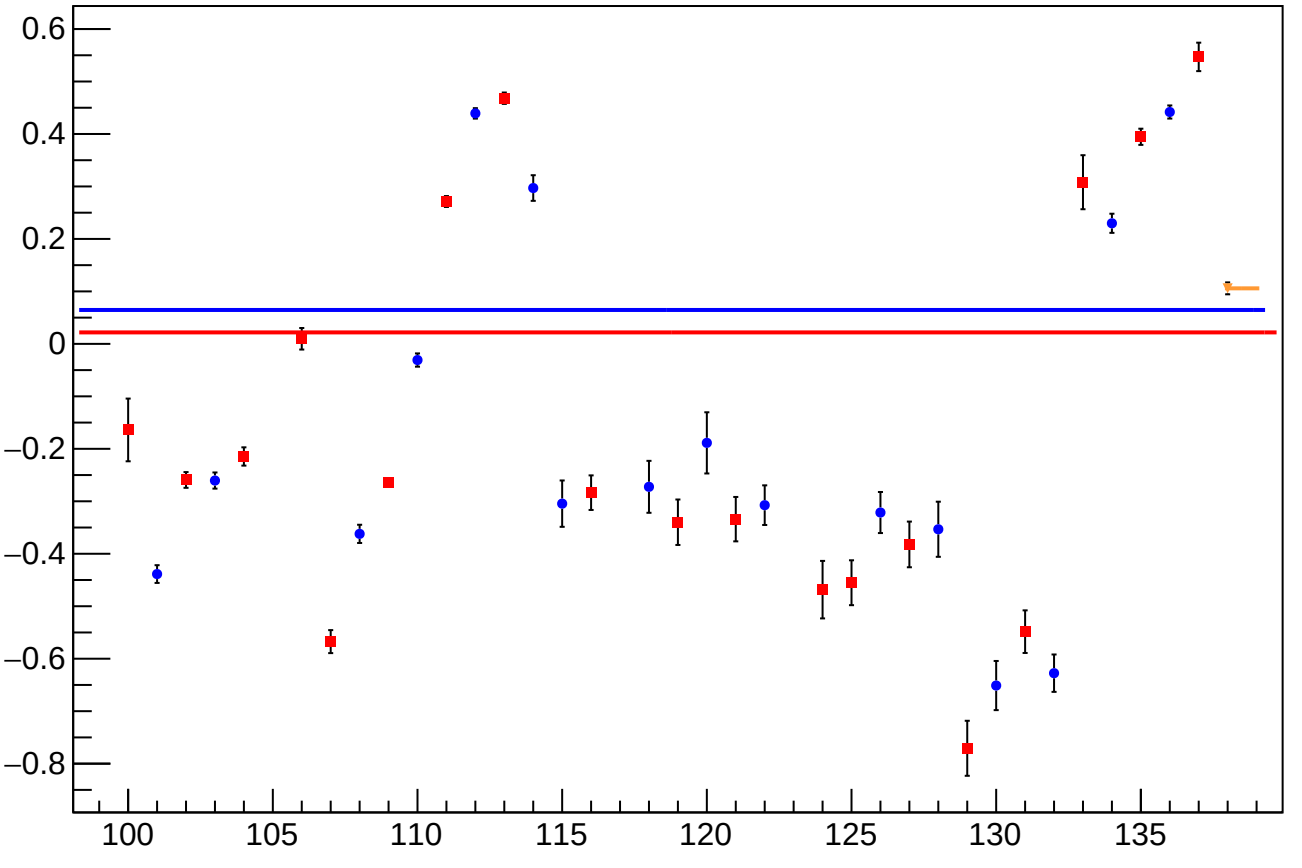
Left: 26.096+/-0.301 χ^2/NDF: 0.0/0

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.718+/-0.085 χ^2/NDF:14765.0/15

Out: 38.686+/-0.076 χ^2/NDF:19841.2/19

All: 40.467+/-0.057 χ^2/NDF: 35860.6/35



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.106+/-0.011 χ^2/NDF:0.0/0

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

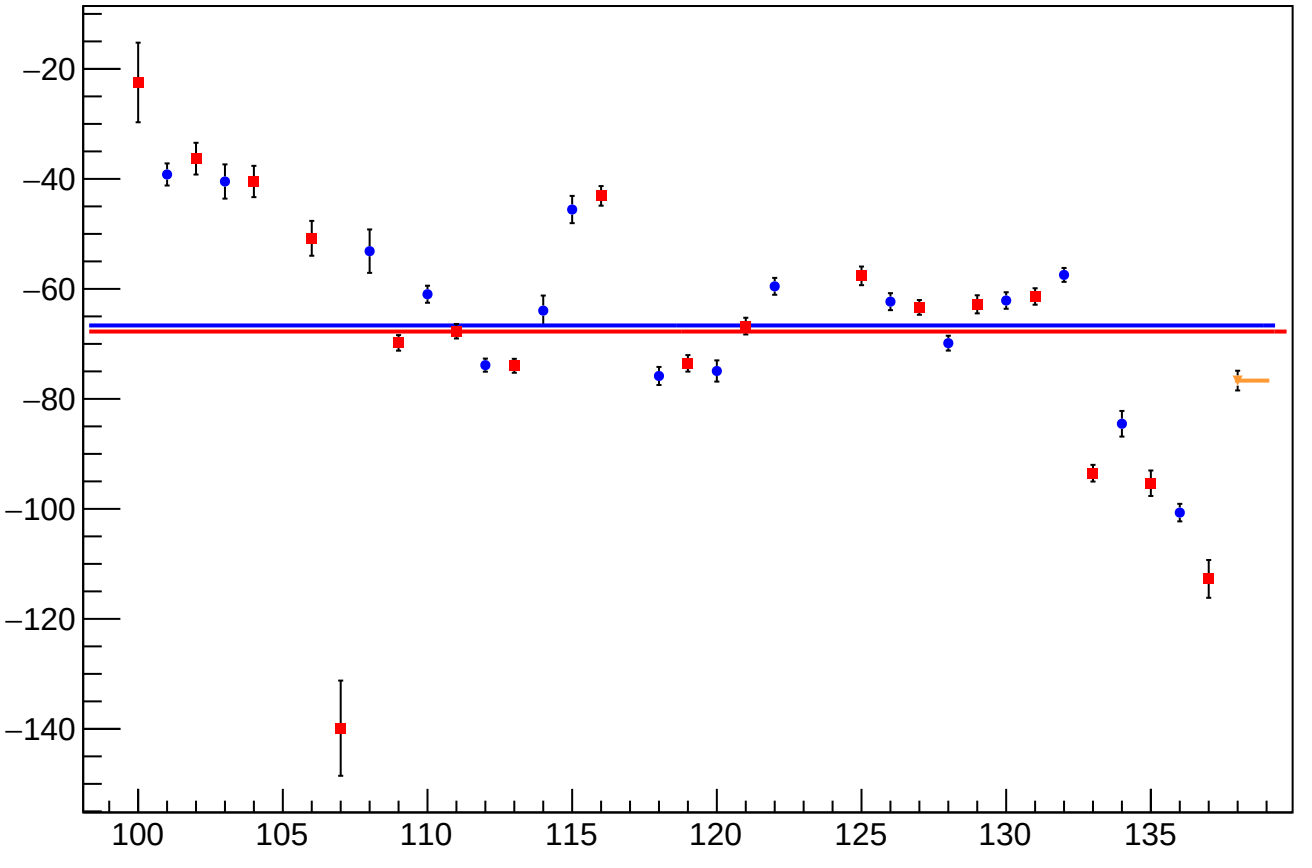
Left: 0.106+/-0.011 χ^2/NDF: 0.0/0

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.065+/-0.005 χ^2/NDF:5497.5/15

Out: 0.033+/-0.004 χ^2/NDF:6452.7/19

All: 0.046+/-0.003 χ^2/NDF: 11975.5/35



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -76.672+/-1.794 χ^2/NDF:0.0/0

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

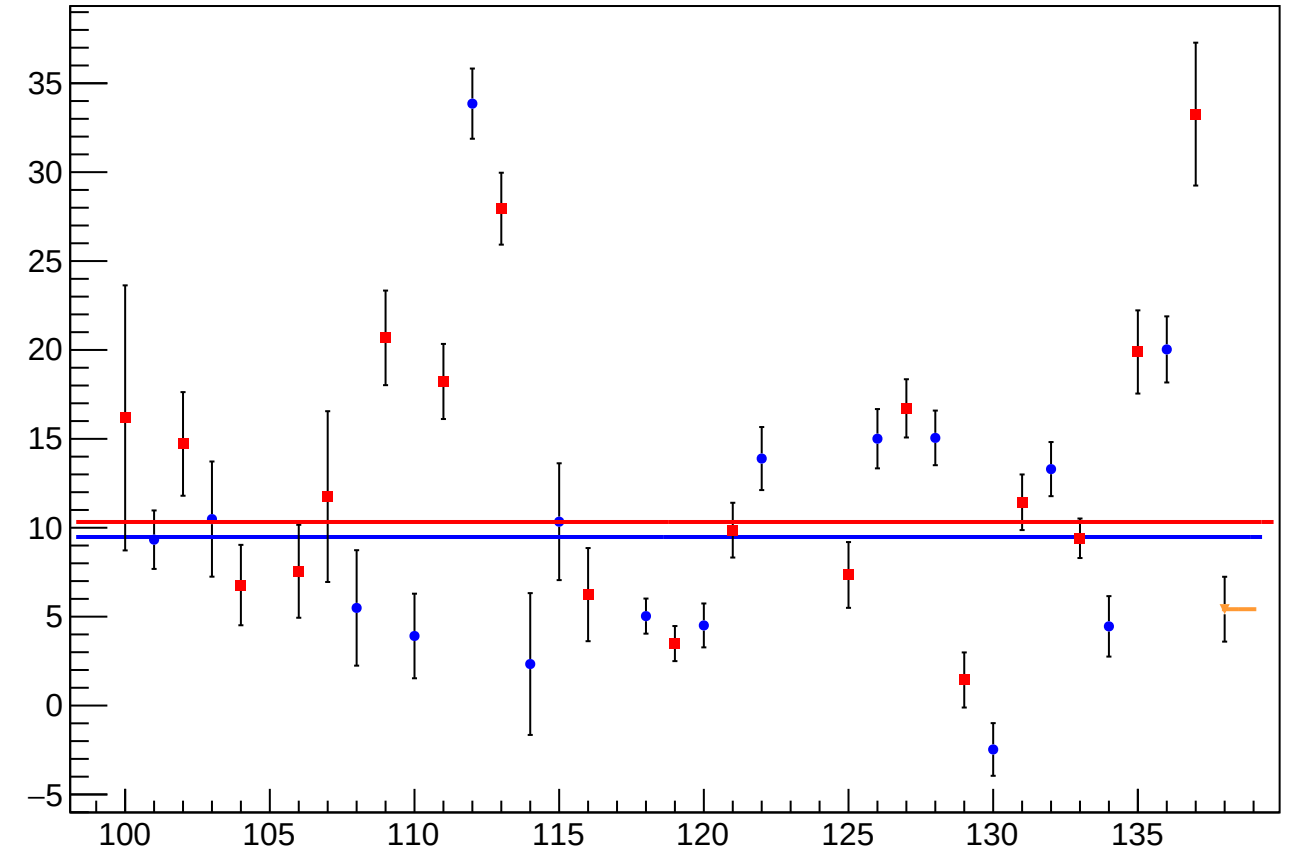
Left: -76.672+/-1.794 χ^2/NDF: 0.0/0

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -66.648+/-0.426 χ^2/NDF:1052.4/15

Out: -68.217+/-0.408 χ^2/NDF:1278.8/18

All: -67.466+/-0.295 χ^2/NDF: 2338.3/34



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 5.419+/-1.824 χ^2/NDF:0.0/0

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

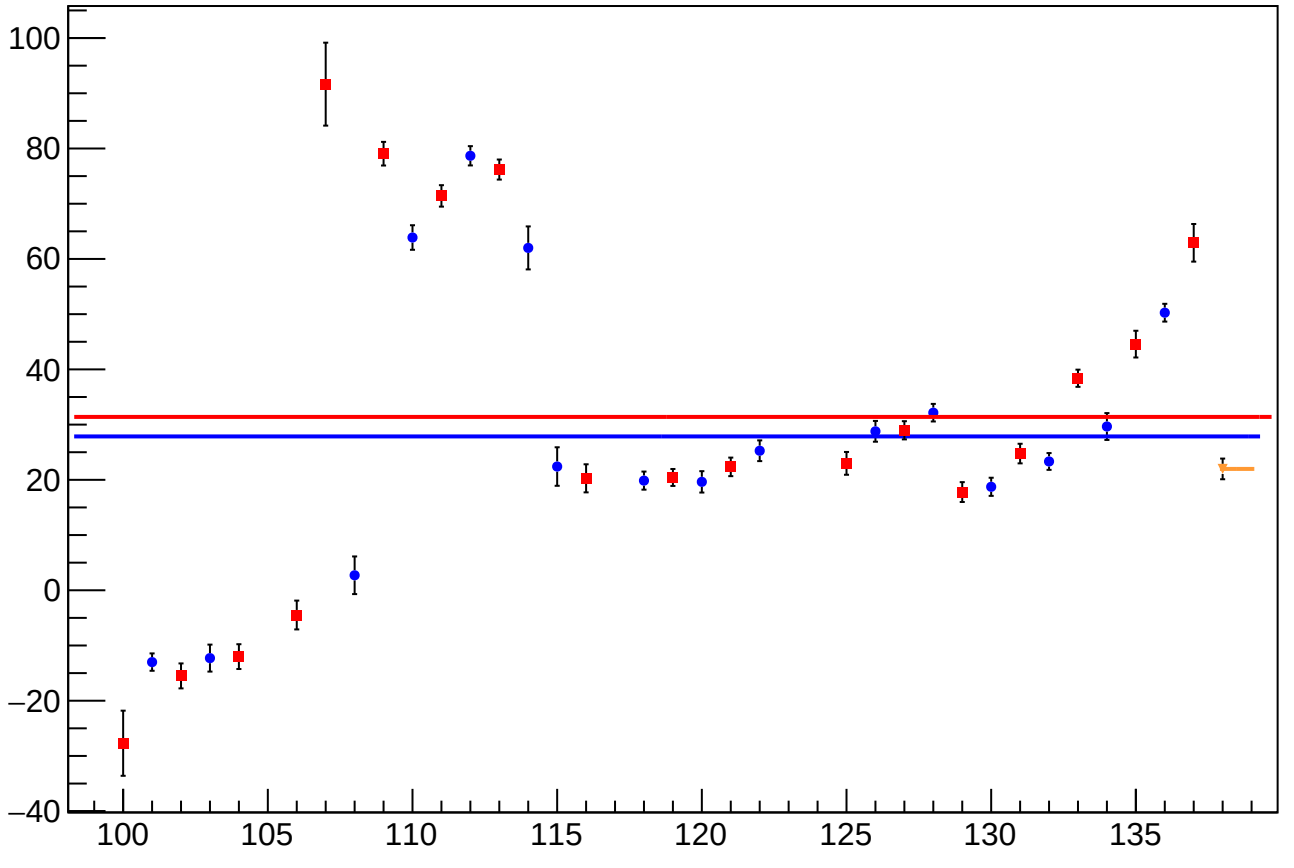
Left: 5.419+/-1.824 χ^2/NDF: 0.0/0

Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 9.480+/-0.428 χ^2/NDF:341.9/15

Out: 10.060+/-0.424 χ^2/NDF:270.2/18

All: 9.773+/-0.301 χ^2/NDF: 613.1/34



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 21.976+/-1.872 χ^2/NDF:0.0/0

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

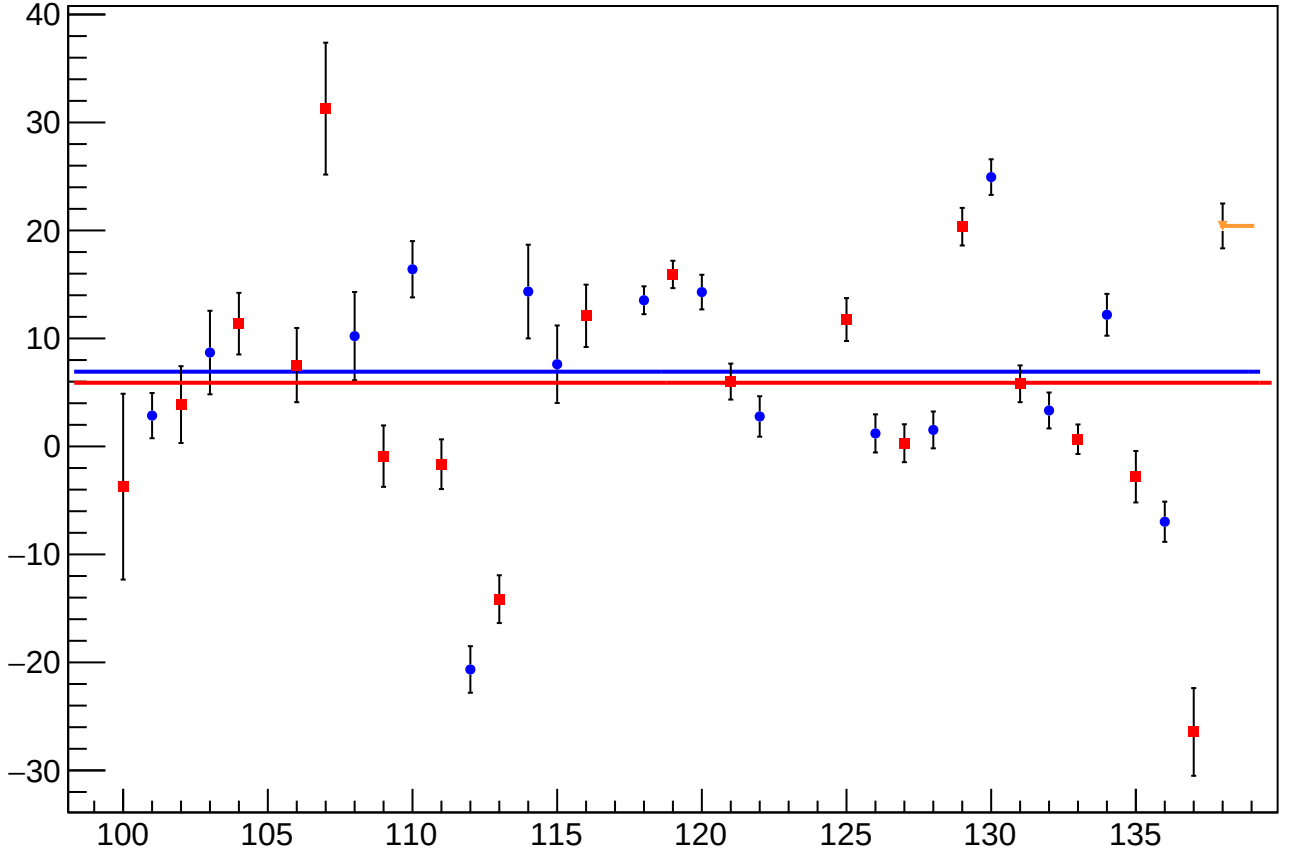
Left: 21.976+/-1.872 χ^2/NDF: 0.0/0

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 27.860+/-0.482 χ^2/NDF:2474.0/15

Out: 30.795+/-0.472 χ^2/NDF:3035.1/18

All: 29.360+/-0.337 χ^2/NDF: 5528.0/34



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 20.420+/-2.074 χ^2/NDF:0.0/0

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

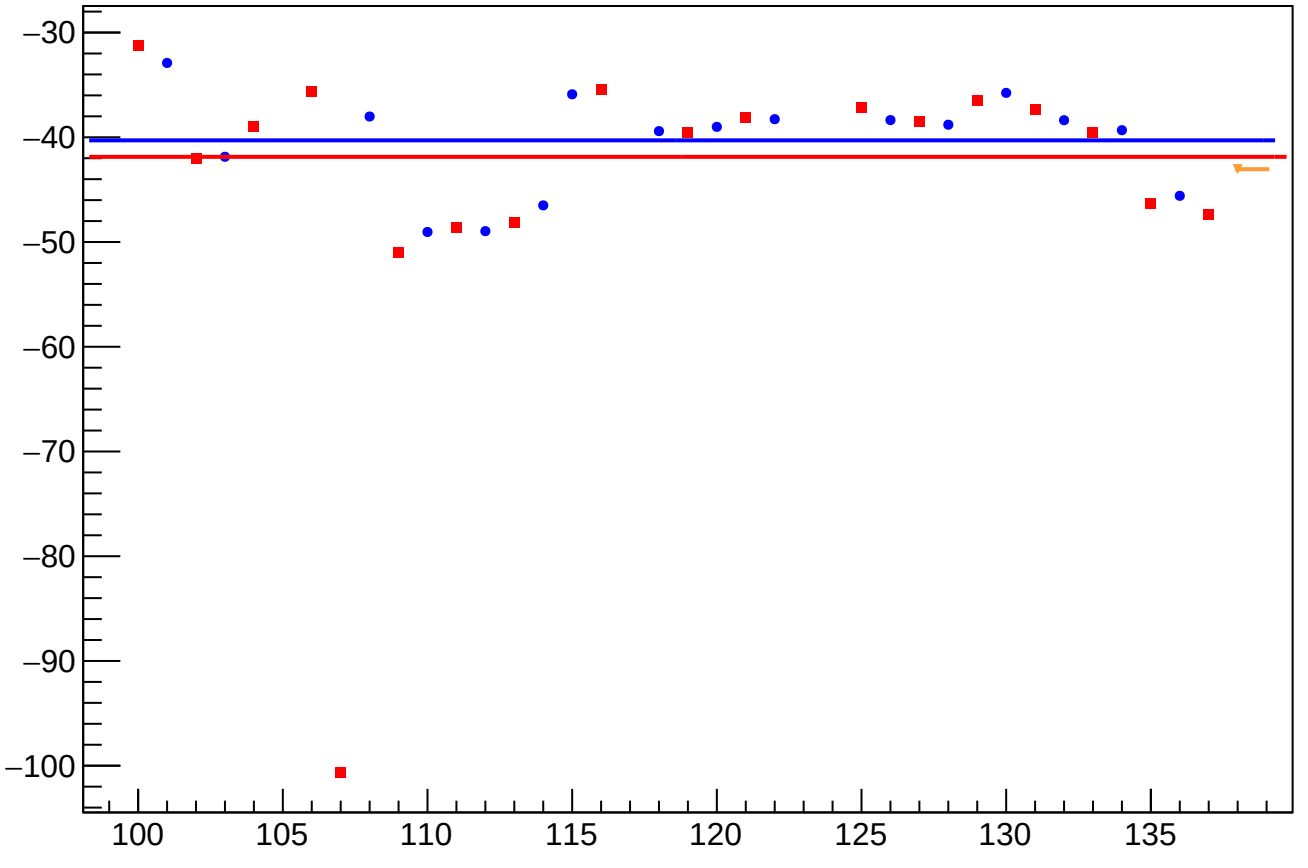
Left: 20.420+/-2.074 χ^2/NDF: 0.0/0

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 6.922+/-0.496 χ^2/NDF:444.3/15

Out: 6.699+/-0.488 χ^2/NDF:414.0/18

All: 6.809+/-0.348 χ^2/NDF: 858.4/34



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -43.047+/-0.074 χ^2/NDF:0.0/0

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

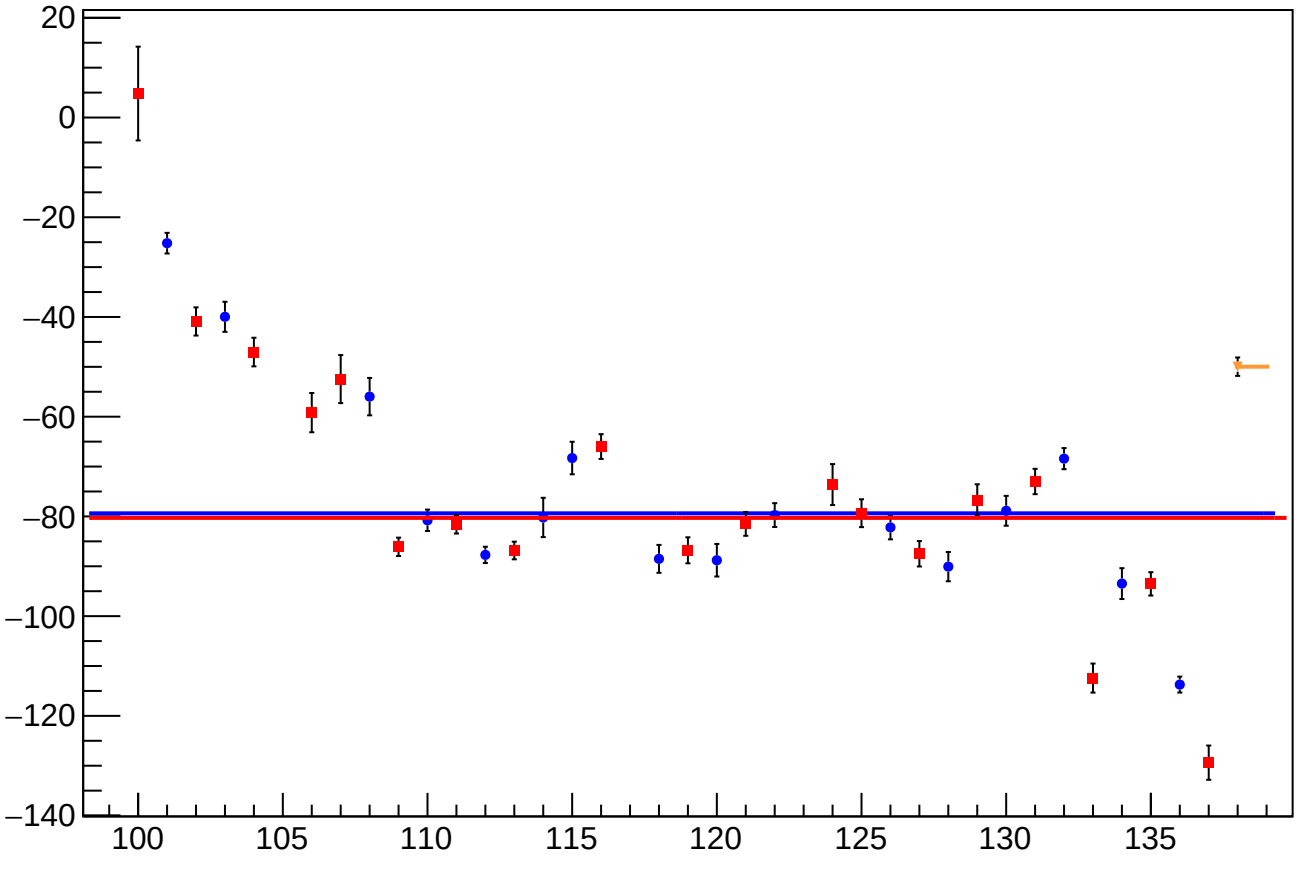
Left: -43.047+/-0.074 χ^2/NDF: 0.0/0

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -40.293+/-0.031 χ^2/NDF:20663.5/15

Out: -42.052+/-0.029 χ^2/NDF:58946.6/18

All: -41.228+/-0.021 χ^2/NDF: 81277.8/34



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -49.969+/-1.846 χ^2/NDF:0.0/0

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

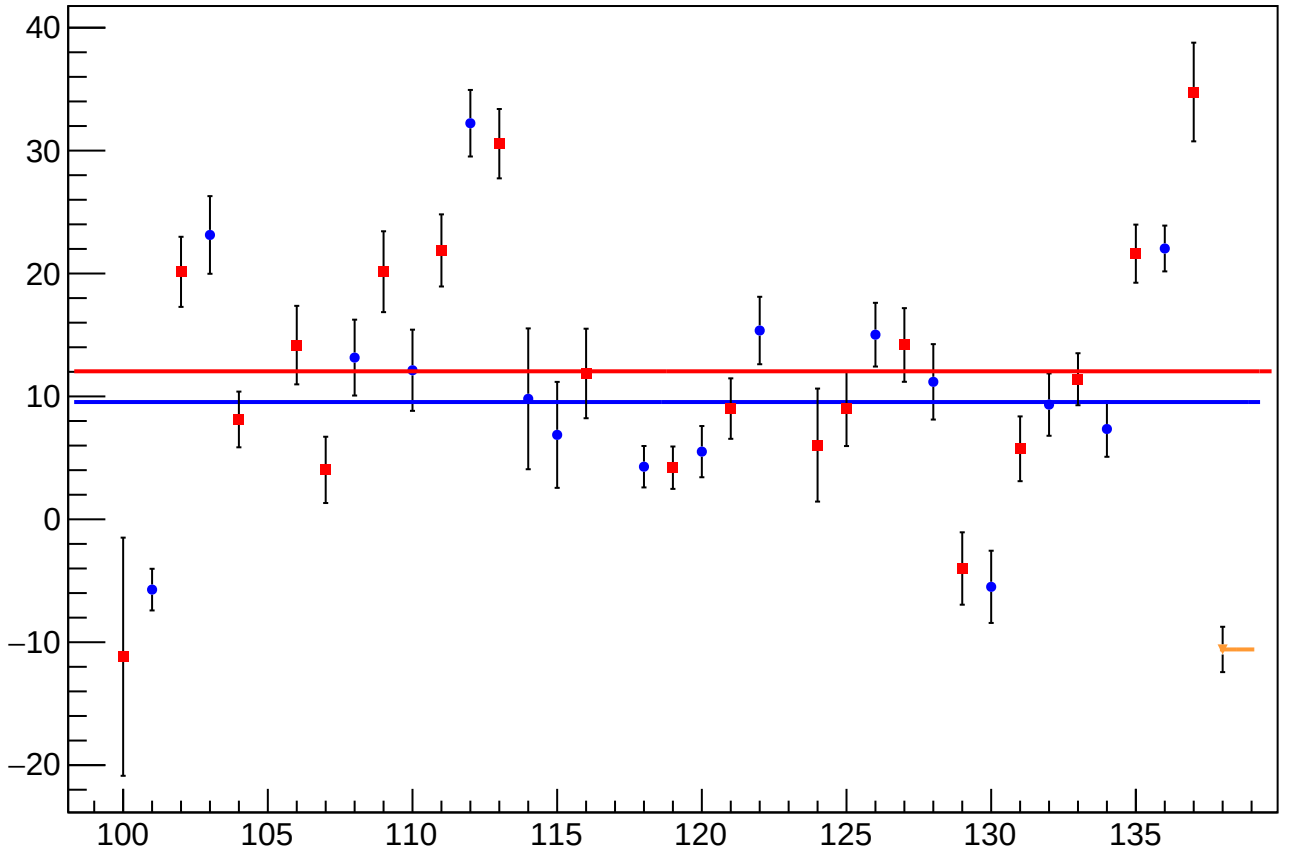
Left: -49.969+/-1.846 χ^2/NDF: 0.0/0

Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -79.382+/-0.611 χ^2/NDF:1475.9/15

Out: -77.362+/-0.574 χ^2/NDF:1158.4/19

All: -78.309+/-0.418 χ^2/NDF: 2640.0/35



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: -10.587+/-1.845 χ^2/NDF:0.0/0

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

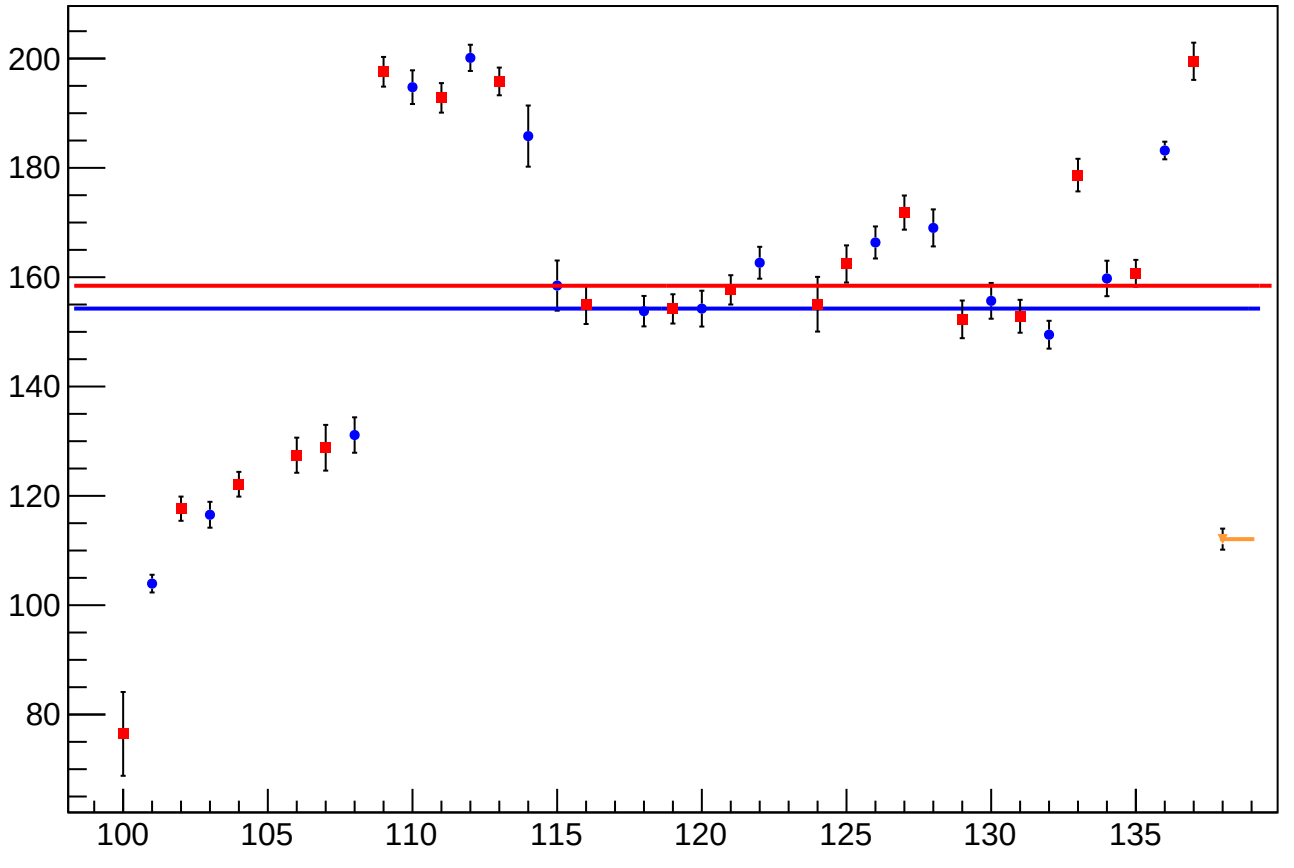
Left: -10.587+/-1.845 χ^2/NDF: 0.0/0

Right: 10.762+/-0.445 χ^2/NDF: 470.8/34

In: 9.543+/-0.621 χ^2/NDF:267.1/15

Out: 9.633+/-0.602 χ^2/NDF:330.3/19

All: 9.589+/-0.432 χ^2/NDF: 597.4/35



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 112.082+/-1.927 χ^2/NDF:0.0/0

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

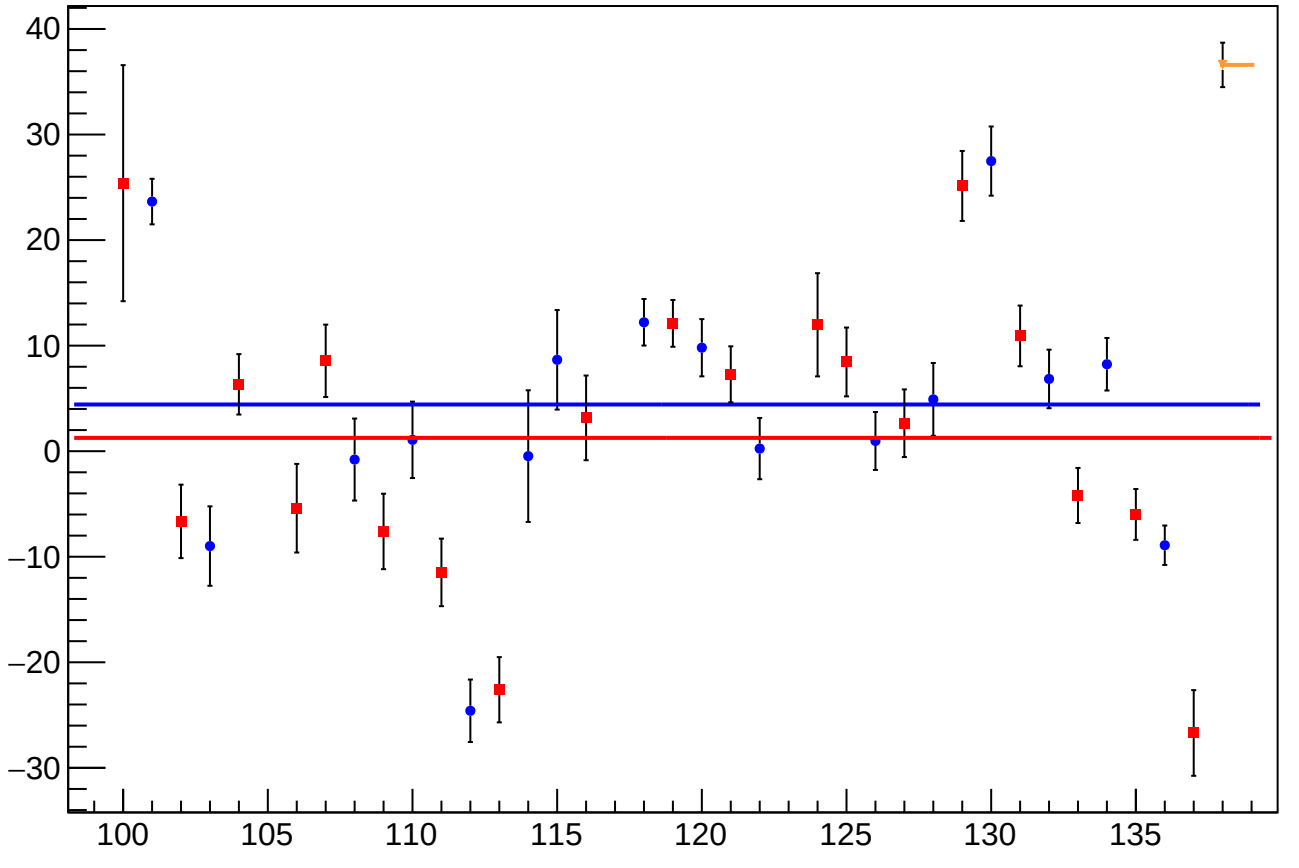
Left: 112.082+/-1.927 χ^2/NDF: 0.0/0

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 154.260+/-0.662 χ^2/NDF:2213.7/15

Out: 153.265+/-0.643 χ^2/NDF:2178.5/19

All: 153.748+/-0.461 χ^2/NDF: 4393.4/35



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 36.597+/-2.106 χ^2/NDF:0.0/0

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

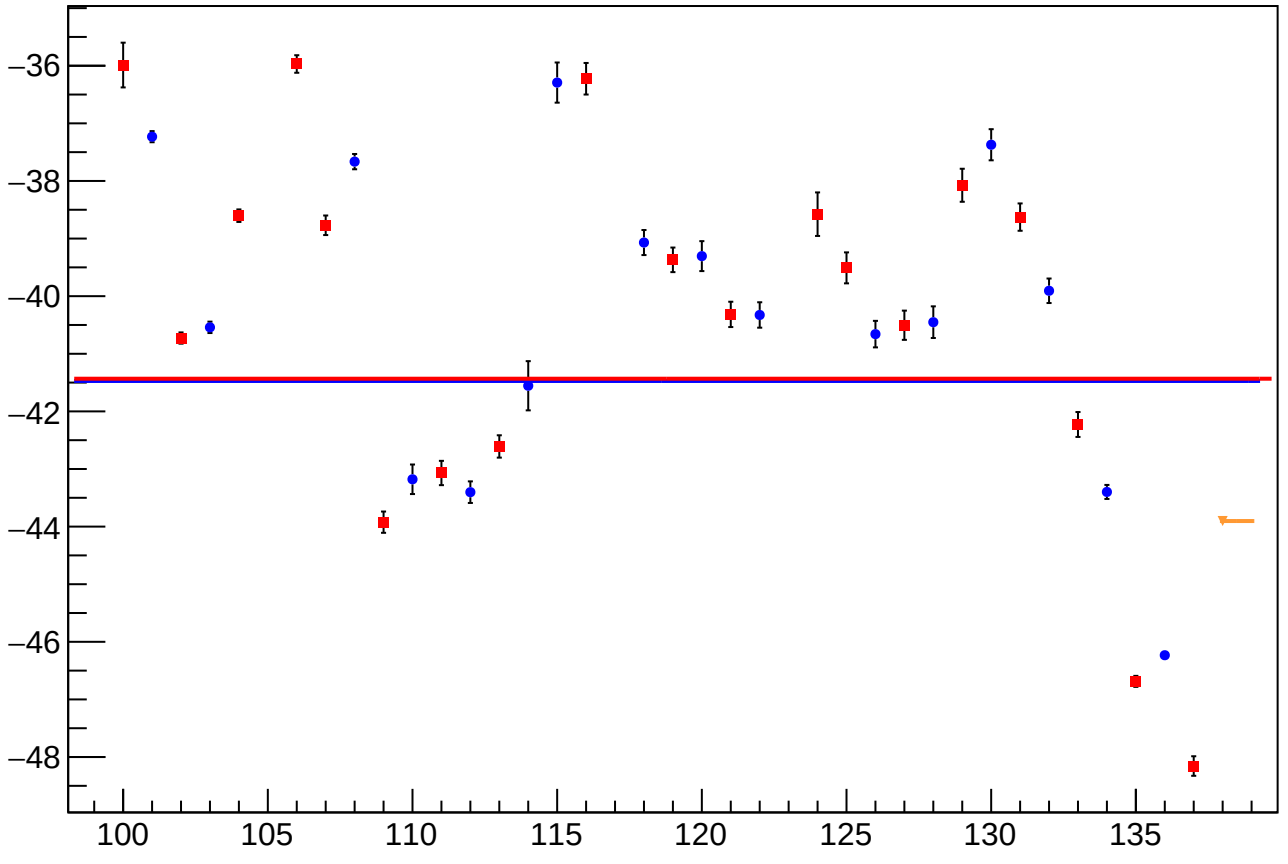
Left: 36.597+/-2.106 χ^2/NDF: 0.0/0

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 4.424+/-0.714 χ^2/NDF:316.1/15

Out: 5.065+/-0.691 χ^2/NDF:516.0/19

All: 4.755+/-0.497 χ^2/NDF: 832.5/35



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -43.903+/-0.077 χ^2/NDF:0.0/0

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

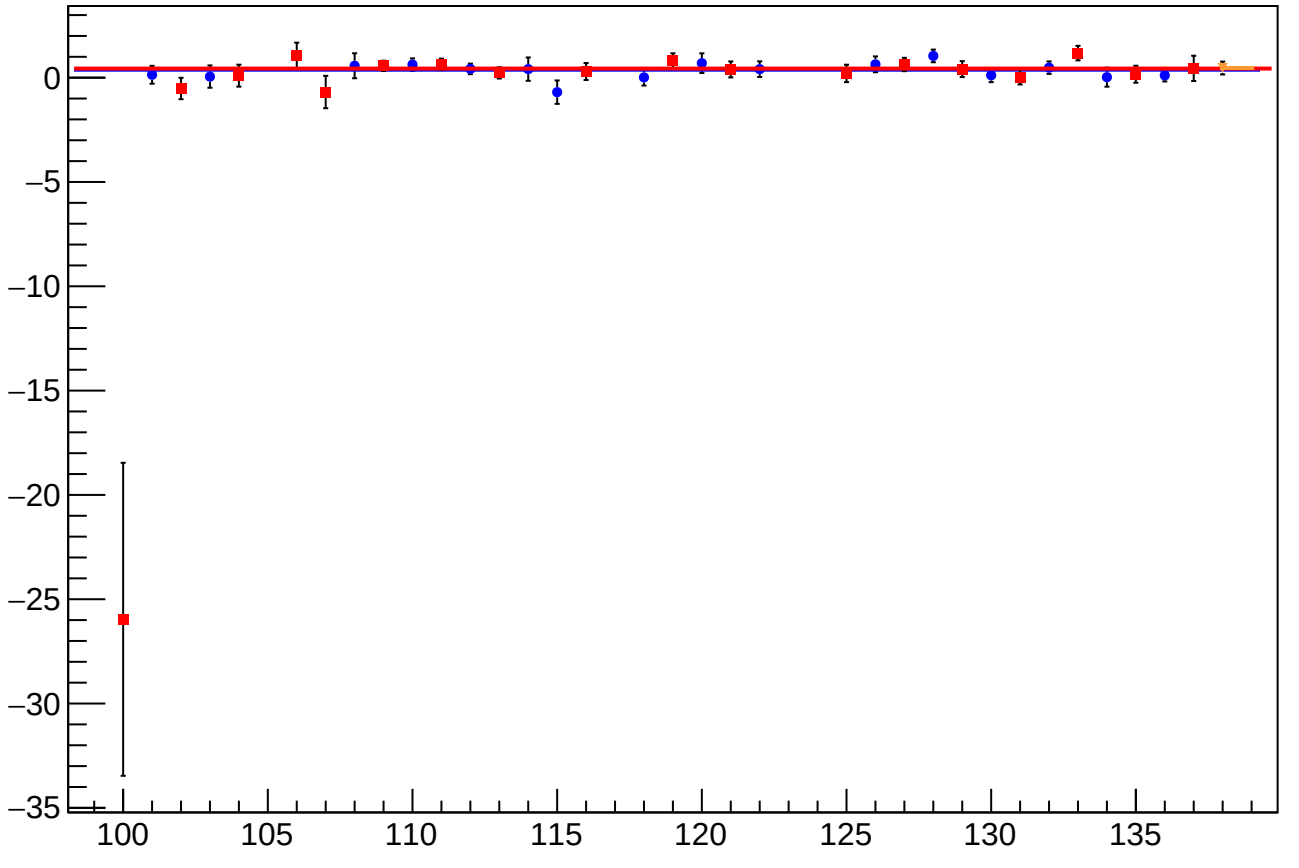
Left: -43.903+/-0.077 χ^2/NDF: 0.0/0

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -41.472+/-0.038 χ^2/NDF:7912.0/15

Out: -41.948+/-0.035 χ^2/NDF:9040.2/19

All: -41.729+/-0.026 χ^2/NDF: 17036.5/35



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.462+/-0.309 χ^2/NDF:0.0/0

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.462+/-0.309 χ^2/NDF: 0.0/0

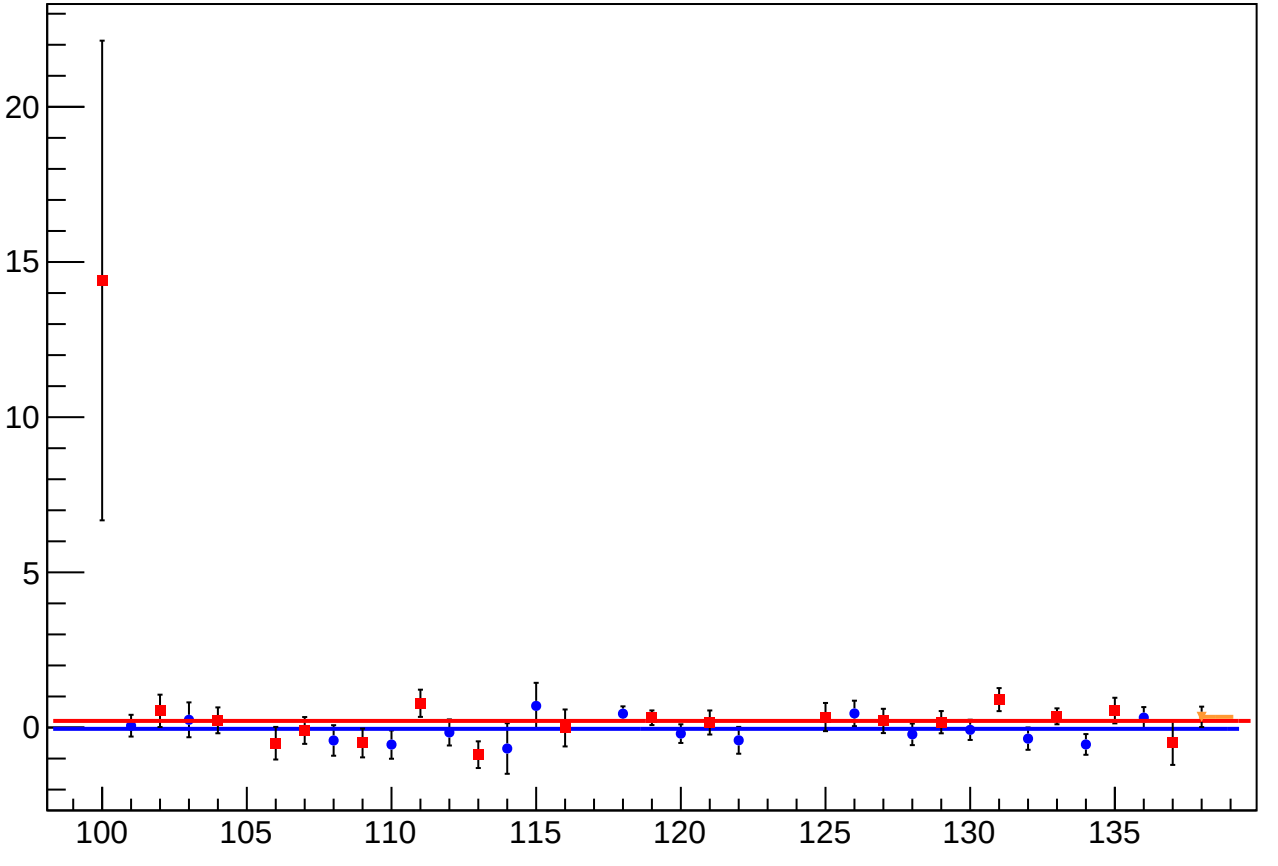
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.382+/-0.092 χ^2/NDF:14.0/15

Out: 0.438+/-0.087 χ^2/NDF:29.0/18

All: 0.412+/-0.063 χ^2/NDF: 43.2/34

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.344+/-0.328 χ^2/NDF:0.0/0

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

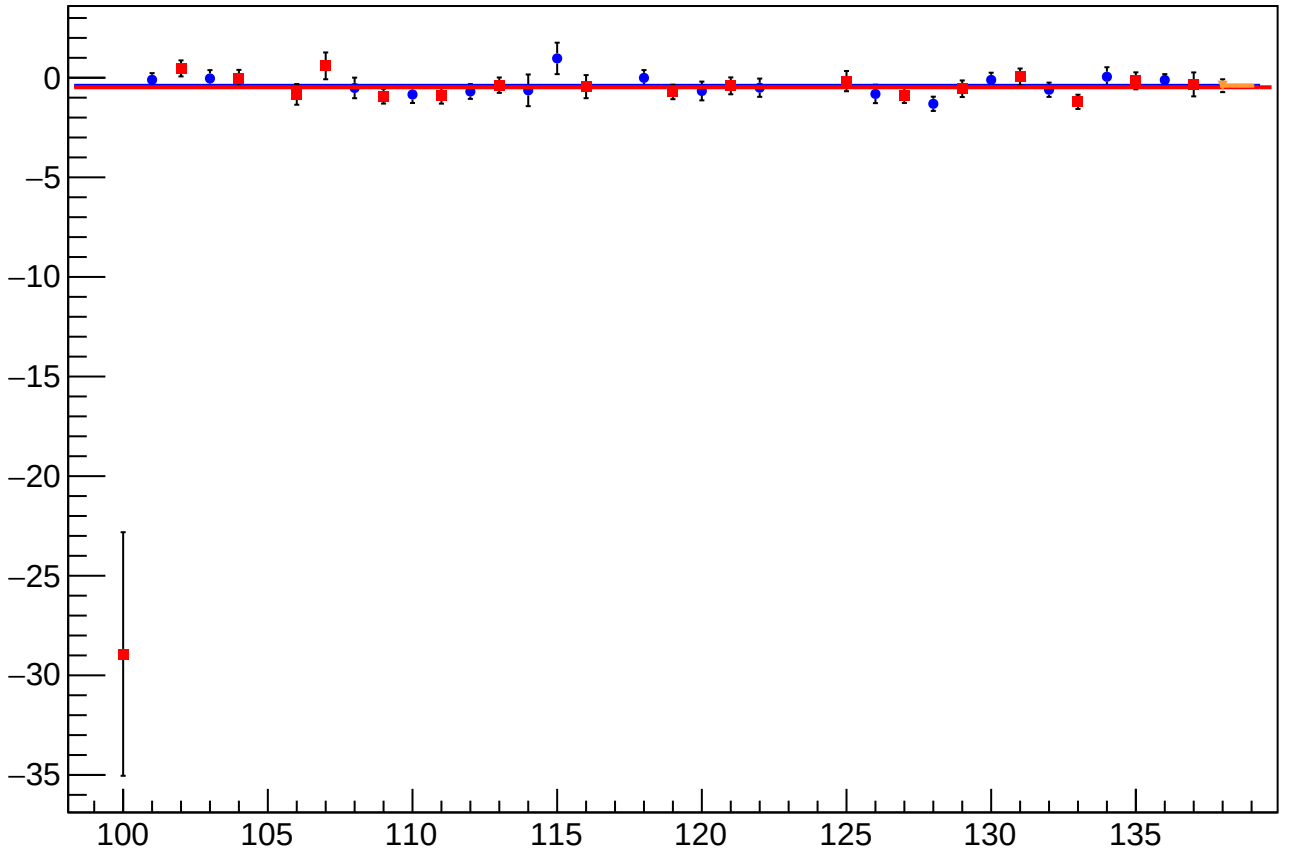
Left: 0.344+/-0.328 χ^2/NDF: 0.0/0

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: -0.043+/-0.094 χ^2/NDF:15.0/15

Out: 0.223+/-0.091 χ^2/NDF:22.6/18

All: 0.094+/-0.066 χ^2/NDF: 41.7/34



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.400+/-0.323 χ^2/NDF:0.0/0

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

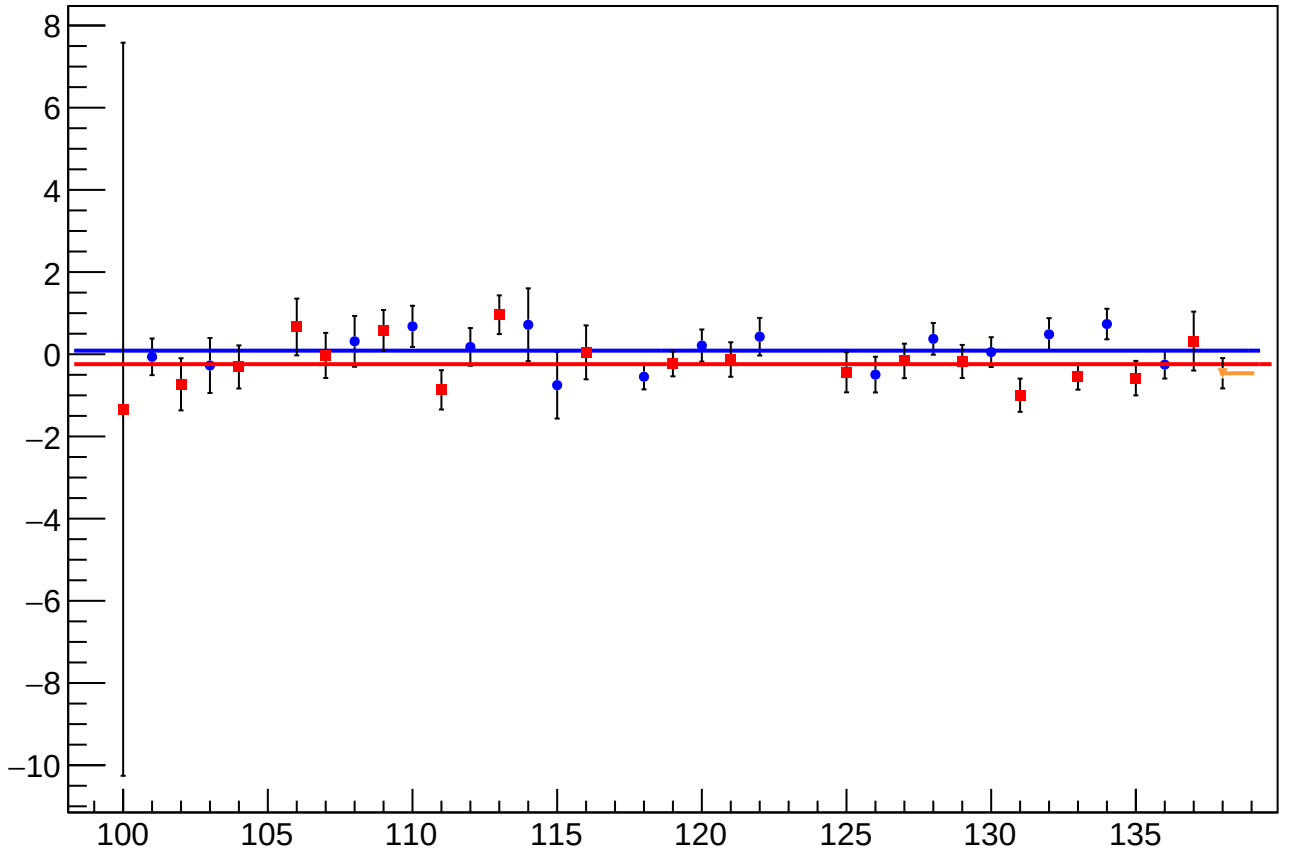
Left: -0.400+/-0.323 χ^2/NDF: 0.0/0

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.406+/-0.103 χ^2/NDF:17.8/15

Out: -0.470+/-0.099 χ^2/NDF:42.3/18

All: -0.439+/-0.072 χ^2/NDF: 60.3/34



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.462+/-0.369 χ^2/NDF:0.0/0

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

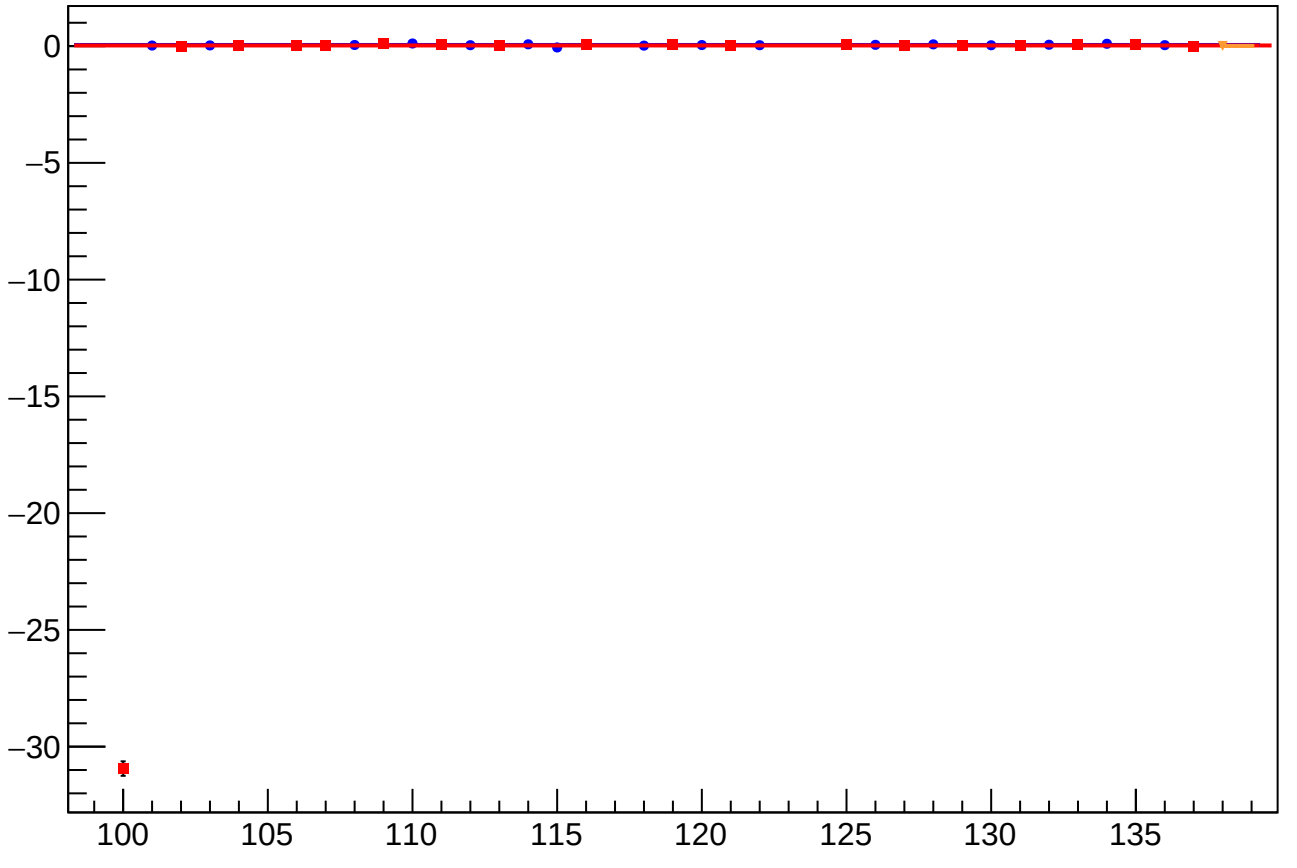
Left: -0.462+/-0.369 χ^2/NDF: 0.0/0

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: 0.088+/-0.108 χ^2/NDF:15.9/15

Out: -0.259+/-0.105 χ^2/NDF:19.9/18

All: -0.091+/-0.075 χ^2/NDF: 41.1/34



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:0.0/0

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.006+/-0.013 χ^2/NDF: 0.0/0

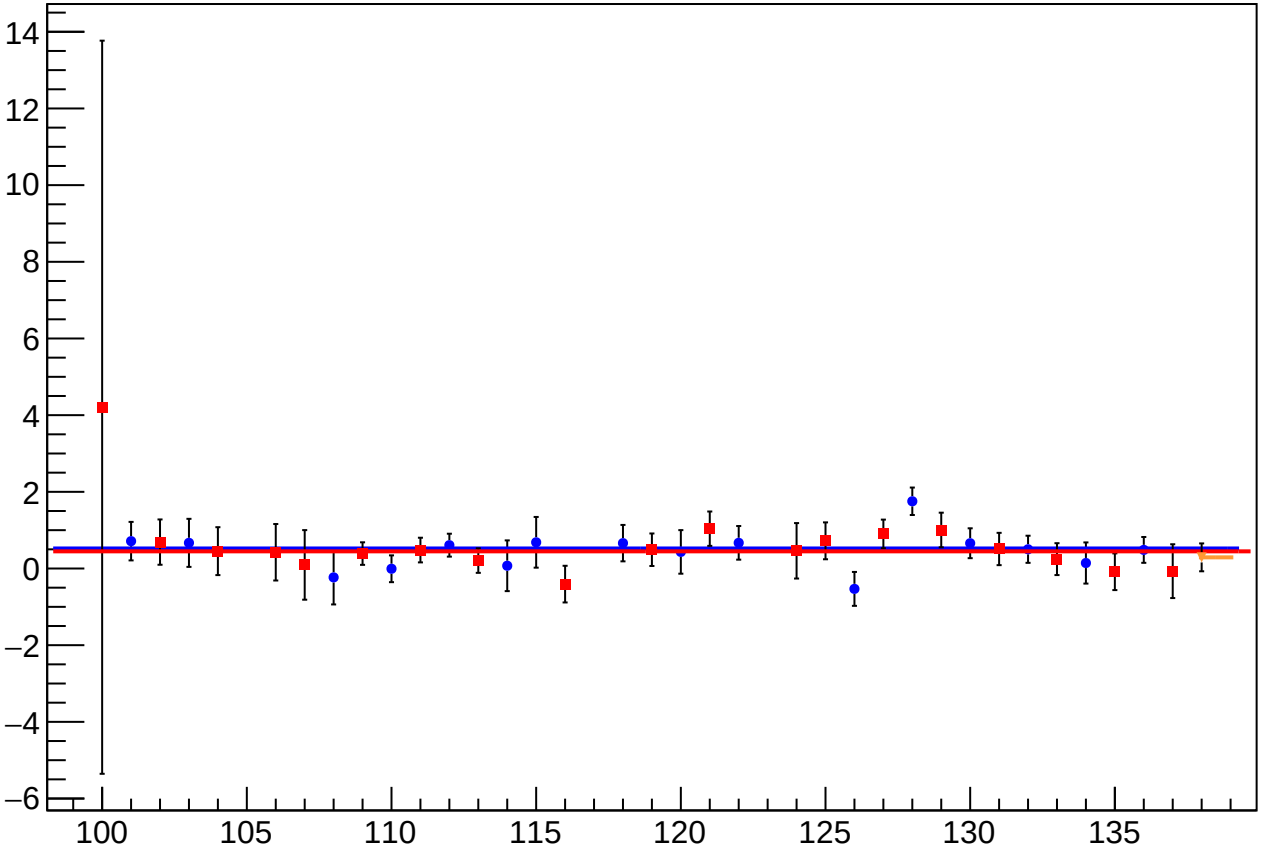
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.049+/-0.006 χ^2/NDF:19.2/15

Out: 0.023+/-0.006 χ^2/NDF:10023.2/18

All: 0.035+/-0.004 χ^2/NDF: 10051.2/34

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.291+/-0.364 χ^2/NDF:0.0/0

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

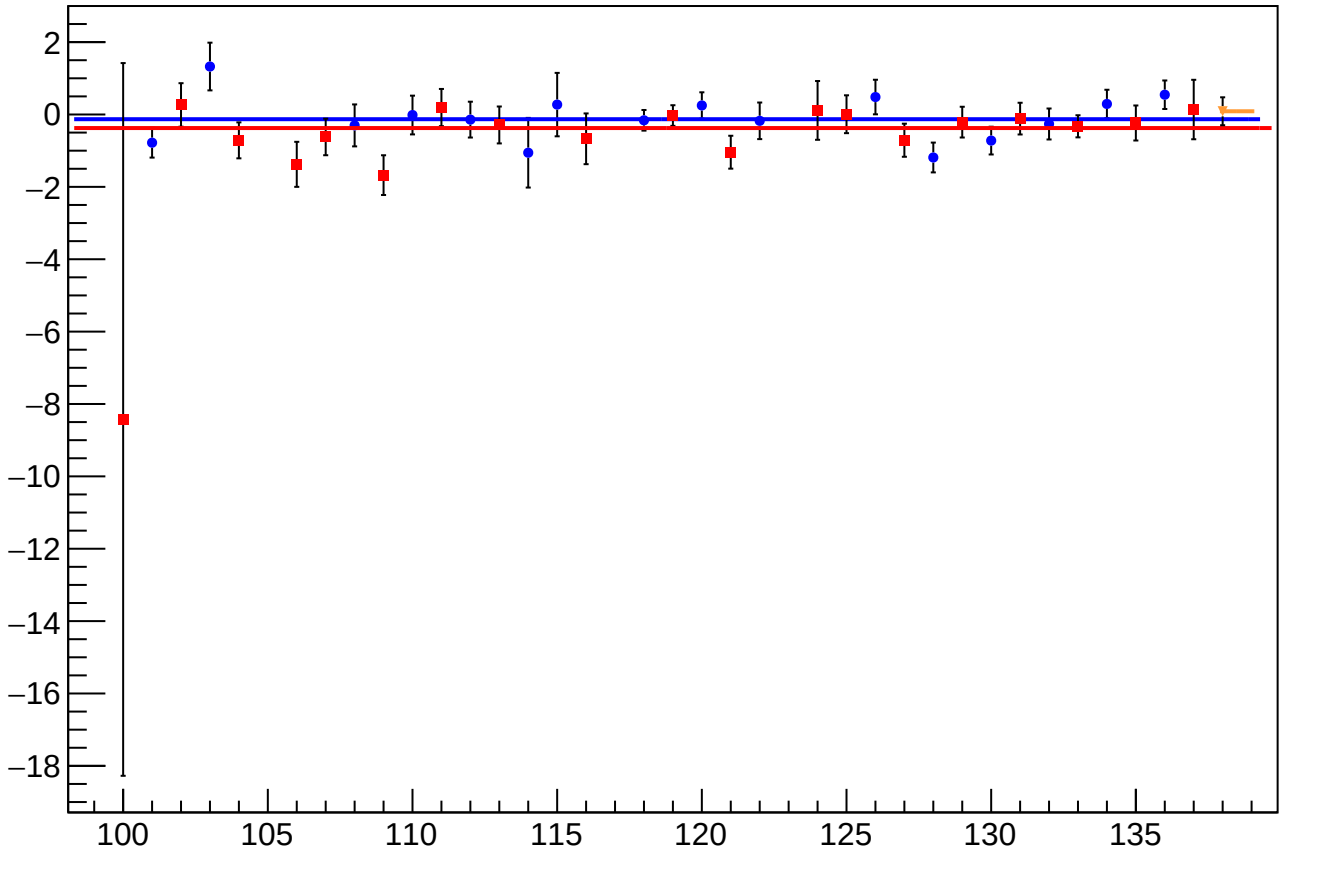
Left: 0.291+/-0.364 χ^2/NDF: 0.0/0

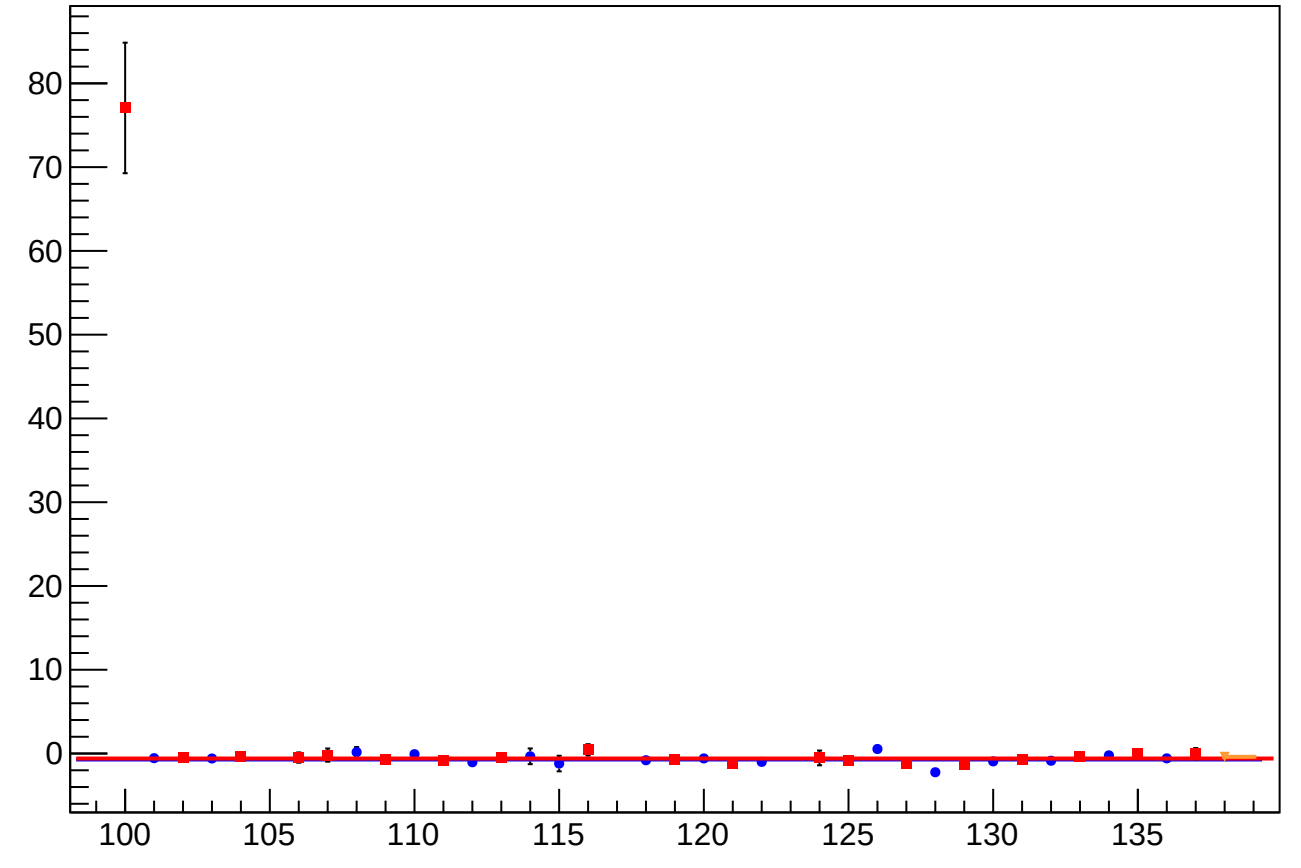
Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.522+/-0.108 χ^2/NDF:22.6/15

Out: 0.436+/-0.101 χ^2/NDF:11.6/19

All: 0.476+/-0.074 χ^2/NDF: 34.5/35


reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
100
105
110
115
120
125
130
135
Right In: -0.130+/-0.112 χ²/NDF: 24.6/15
Left Out: 0.089+/-0.386 χ²/NDF:0.0/0
Right Out: -0.375+/-0.111 χ²/NDF: 18.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.089+/-0.386 χ²/NDF: 0.0/0
Right: -0.253+/-0.079 χ²/NDF: 45.2/34
In: -0.130+/-0.112 χ²/NDF:24.6/15
Out: -0.339+/-0.107 χ²/NDF:19.5/19
All: -0.239+/-0.077 χ²/NDF: 45.9/35



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.394+/-0.380 χ^2/NDF:0.0/0

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

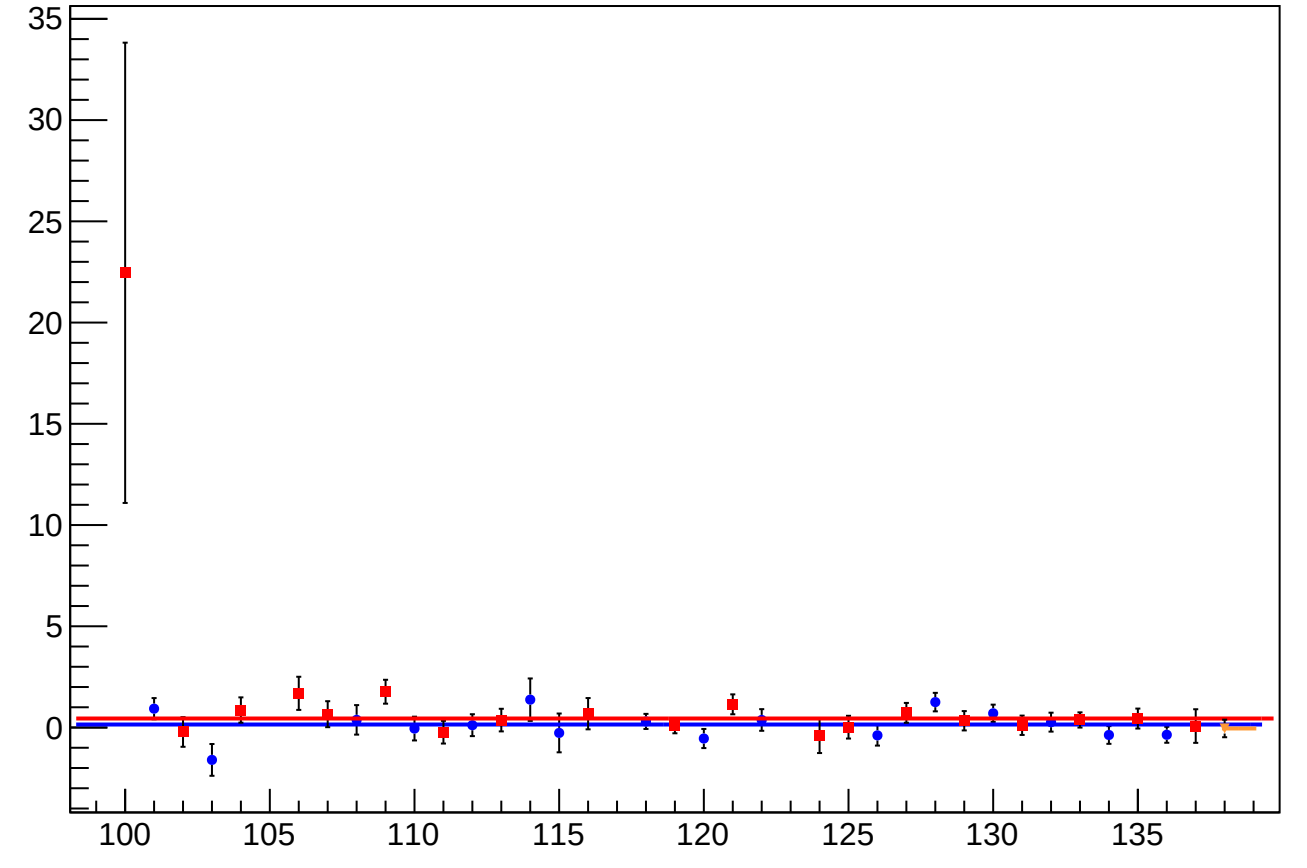
Left: -0.394+/-0.380 χ^2/NDF: 0.0/0

Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.713+/-0.122 χ^2/NDF:24.9/15

Out: -0.578+/-0.116 χ^2/NDF:111.2/19

All: -0.642+/-0.084 χ^2/NDF: 136.7/35



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: -0.047+/-0.433 χ^2/NDF:0.0/0

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

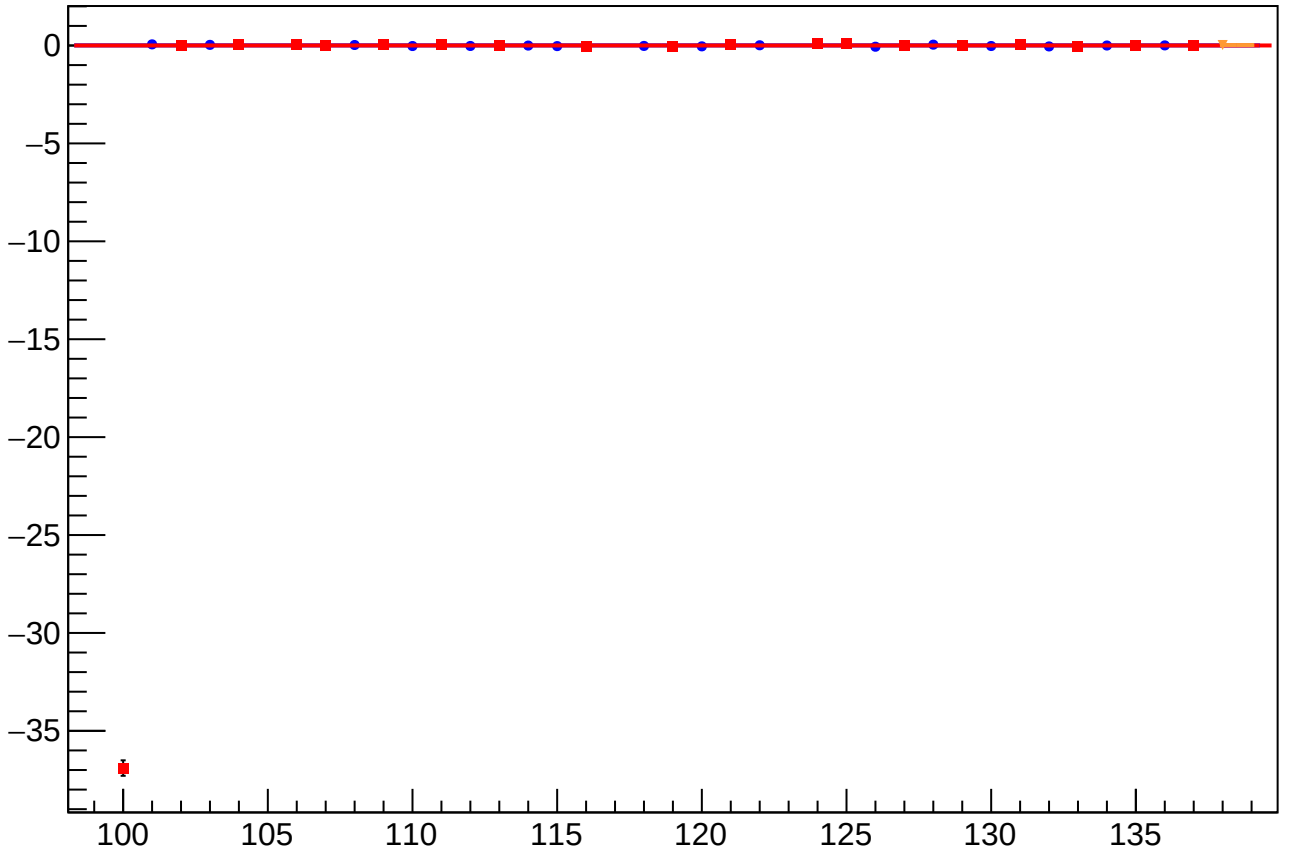
Left: -0.047+/-0.433 χ^2/NDF: 0.0/0

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.148+/-0.128 χ^2/NDF:23.3/15

Out: 0.405+/-0.123 χ^2/NDF:20.9/19

All: 0.282+/-0.089 χ^2/NDF: 46.3/35



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.024+/-0.015 χ^2/NDF:0.0/0

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

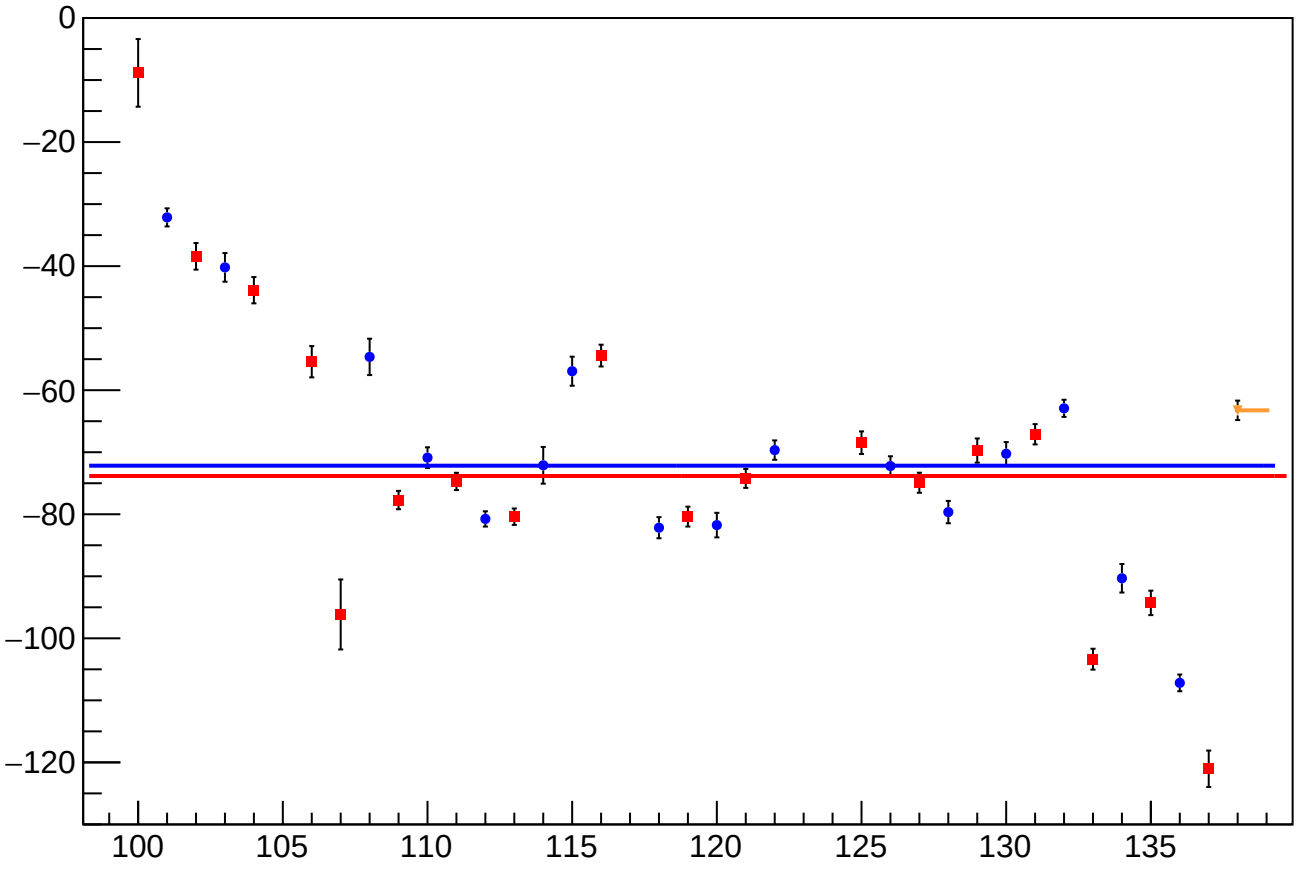
Left: 0.024+/-0.015 χ^2/NDF: 0.0/0

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.006+/-0.007 χ^2/NDF:17.6/15

Out: 0.006+/-0.007 χ^2/NDF:8755.0/19

All: 0.006+/-0.005 χ^2/NDF: 8772.6/35



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -63.249+/-1.569 χ^2/NDF:0.0/0

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

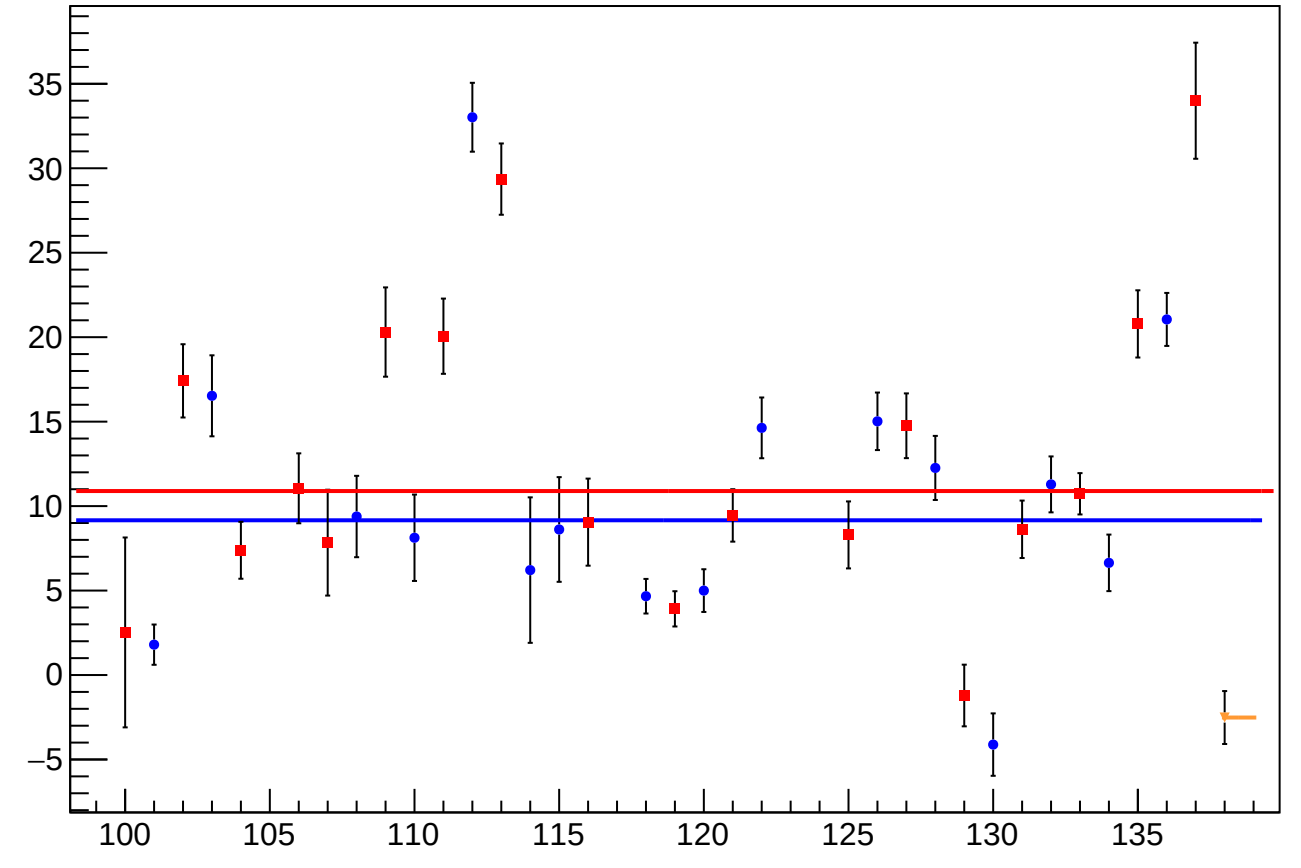
Left: -63.249+/-1.569 χ^2/NDF: 0.0/0

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -72.173+/-0.432 χ^2/NDF:1936.0/15

Out: -73.089+/-0.415 χ^2/NDF:1600.0/18

All: -72.649+/-0.299 χ^2/NDF: 3538.3/34



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: -2.516+/-1.567 χ^2/NDF:0.0/0

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

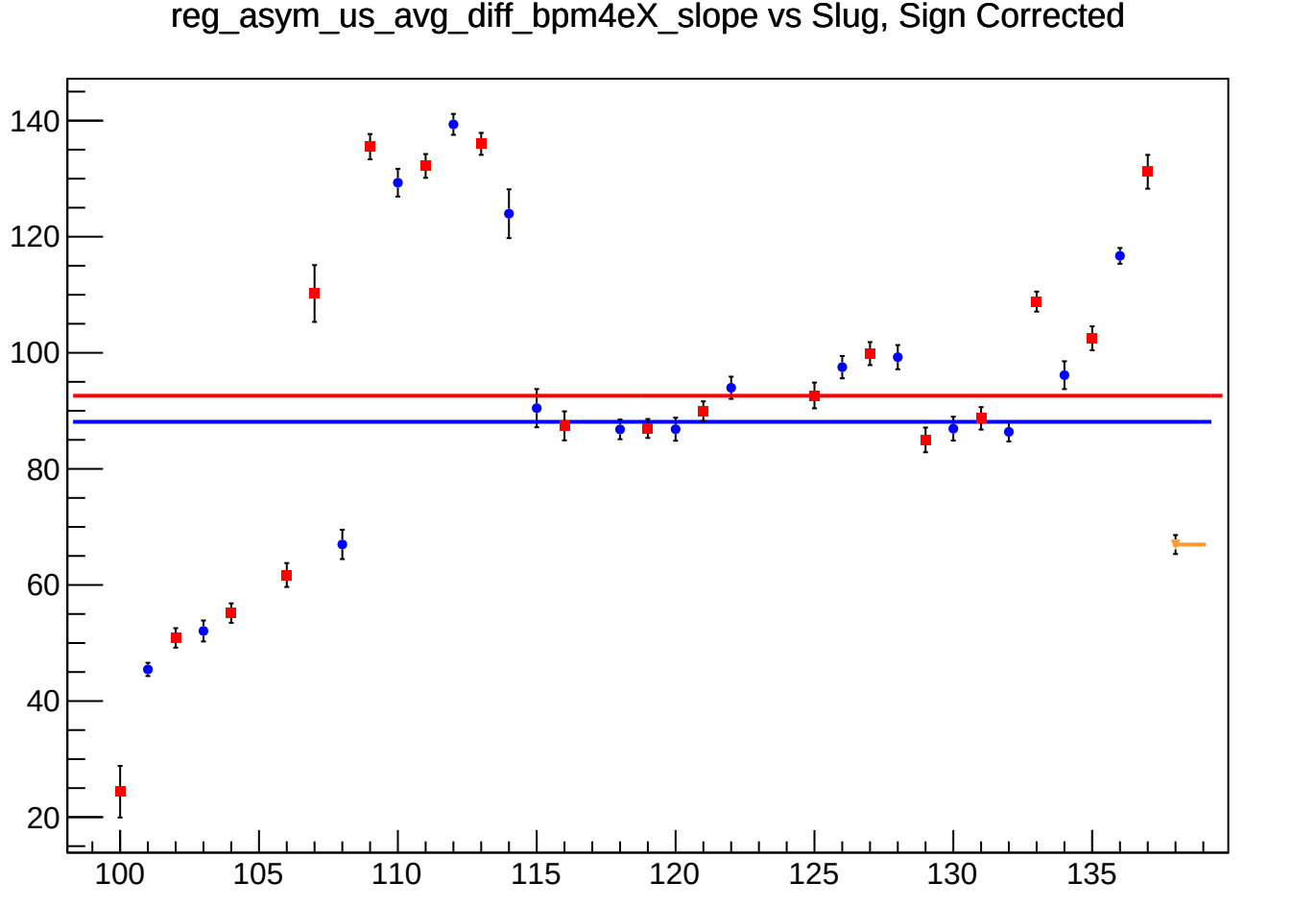
Left: -2.516+/-1.567 χ^2/NDF: 0.0/0

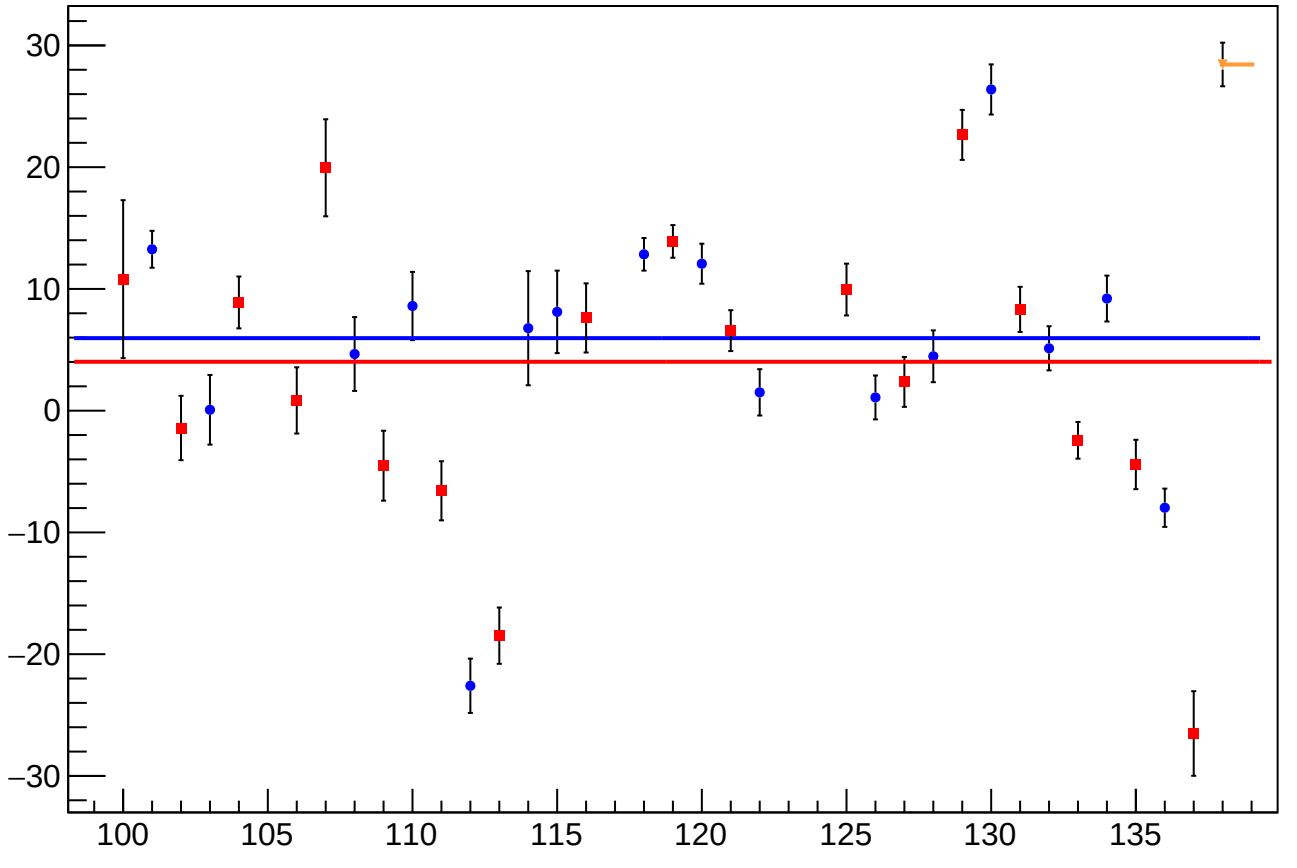
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 9.161+/-0.425 χ^2/NDF:352.1/15

Out: 9.912+/-0.424 χ^2/NDF:358.0/18

All: 9.537+/-0.300 χ^2/NDF: 711.7/34


reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
140
120
100
80
60
40
20
100
105
110
115
120
125
130
135
Right In: 88.109+/-0.469 χ2/NDF: 3561.7/15
Left Out: 66.969+/-1.637 χ2/NDF:0.0/0
Right Out: 92.596+/-0.483 χ2/NDF: 3211.0/17
Left In: 0.000+/-0.000 χ2/NDF:0.0/0
Left: 66.969+/-1.637 χ2/NDF: 0.0/0
Right: 90.284+/-0.336 χ2/NDF: 6817.1/33
In: 88.109+/-0.469 χ2/NDF:3561.7/15
Out: 90.543+/-0.463 χ2/NDF:3436.4/18
All: 89.340+/-0.329 χ2/NDF: 7011.7/34



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 28.436+/-1.790 χ^2/NDF:0.0/0

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

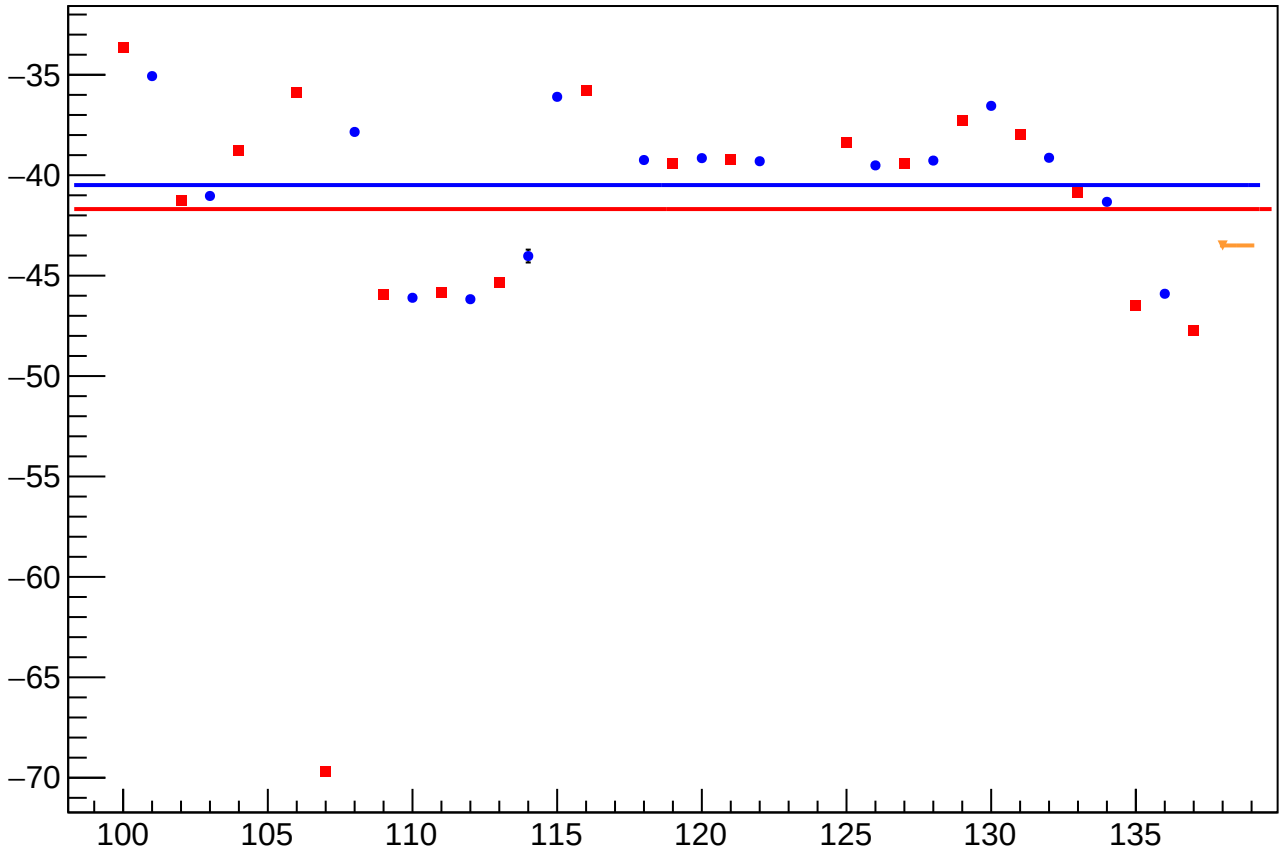
Left: 28.436+/-1.790 χ^2/NDF: 0.0/0

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 5.958+/-0.495 χ^2/NDF:426.8/15

Out: 5.847+/-0.490 χ^2/NDF:589.7/18

All: 5.902+/-0.348 χ^2/NDF: 1016.5/34



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -43.497+/-0.065 χ^2/NDF:0.0/0

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

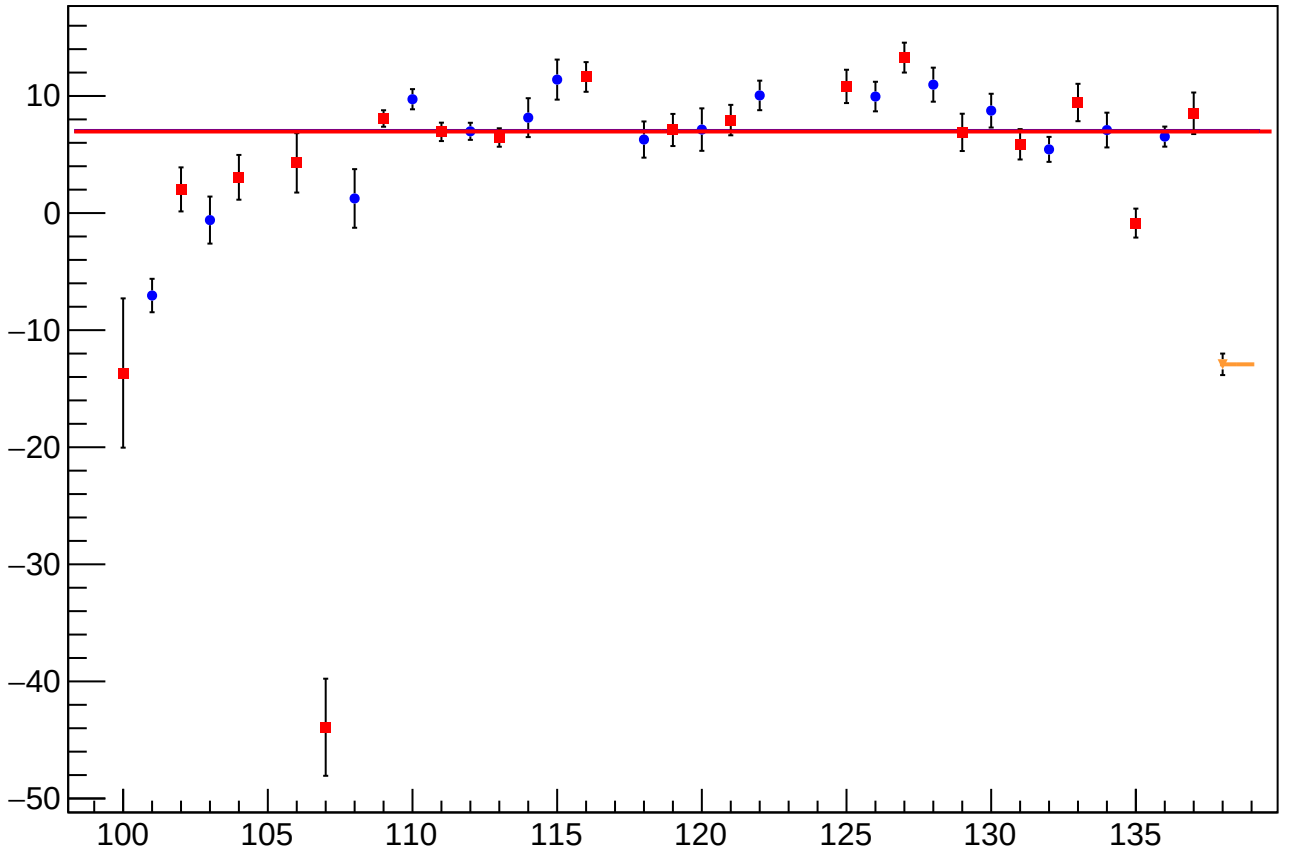
Left: -43.497+/-0.065 χ^2/NDF: 0.0/0

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -40.491+/-0.028 χ^2/NDF:18125.4/15

Out: -41.987+/-0.027 χ^2/NDF:37476.6/18

All: -41.283+/-0.019 χ^2/NDF: 57079.6/34



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -12.919+/-0.918 χ^2/NDF:0.0/0

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

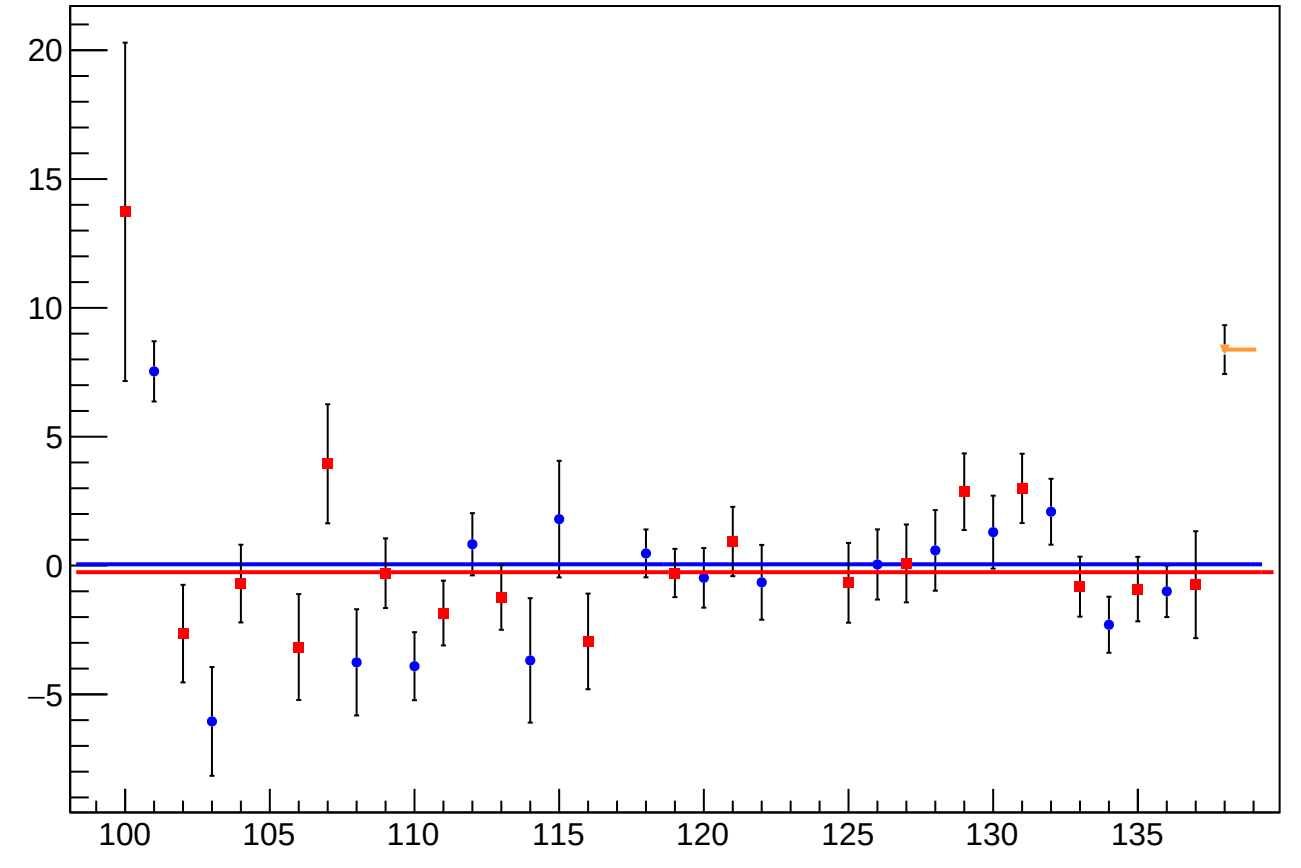
Left: -12.919+/-0.918 χ^2/NDF: 0.0/0

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 7.011+/-0.309 χ^2/NDF:156.3/15

Out: 5.071+/-0.284 χ^2/NDF:690.1/18

All: 5.957+/-0.209 χ^2/NDF: 867.8/34



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 8.381+/-0.948 χ^2/NDF:0.0/0

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

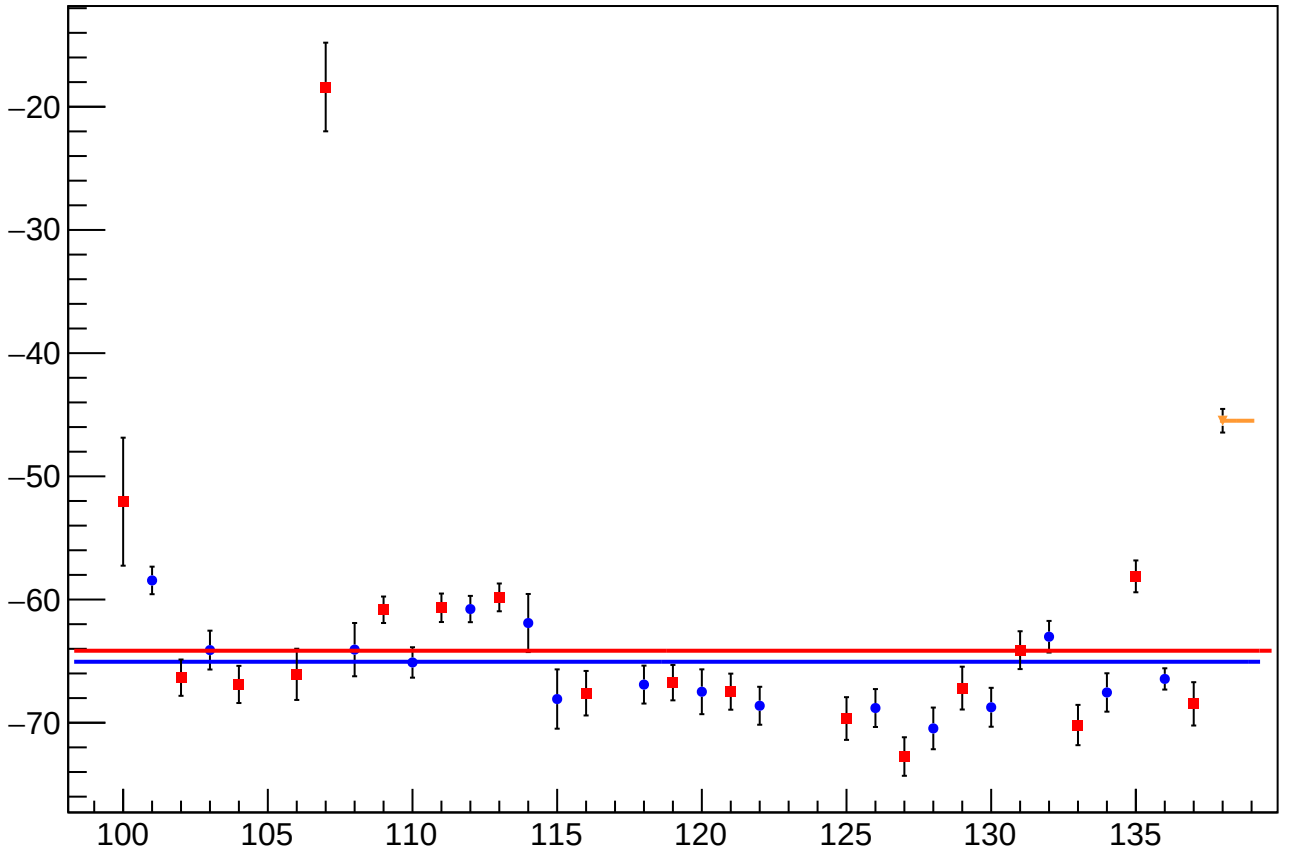
Left: 8.381+/-0.948 χ^2/NDF: 0.0/0

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 0.048+/-0.331 χ^2/NDF:75.0/15

Out: 0.748+/-0.324 χ^2/NDF:100.9/18

All: 0.407+/-0.232 χ^2/NDF: 178.2/34



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -45.487+/-0.959 χ^2/NDF:0.0/0

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

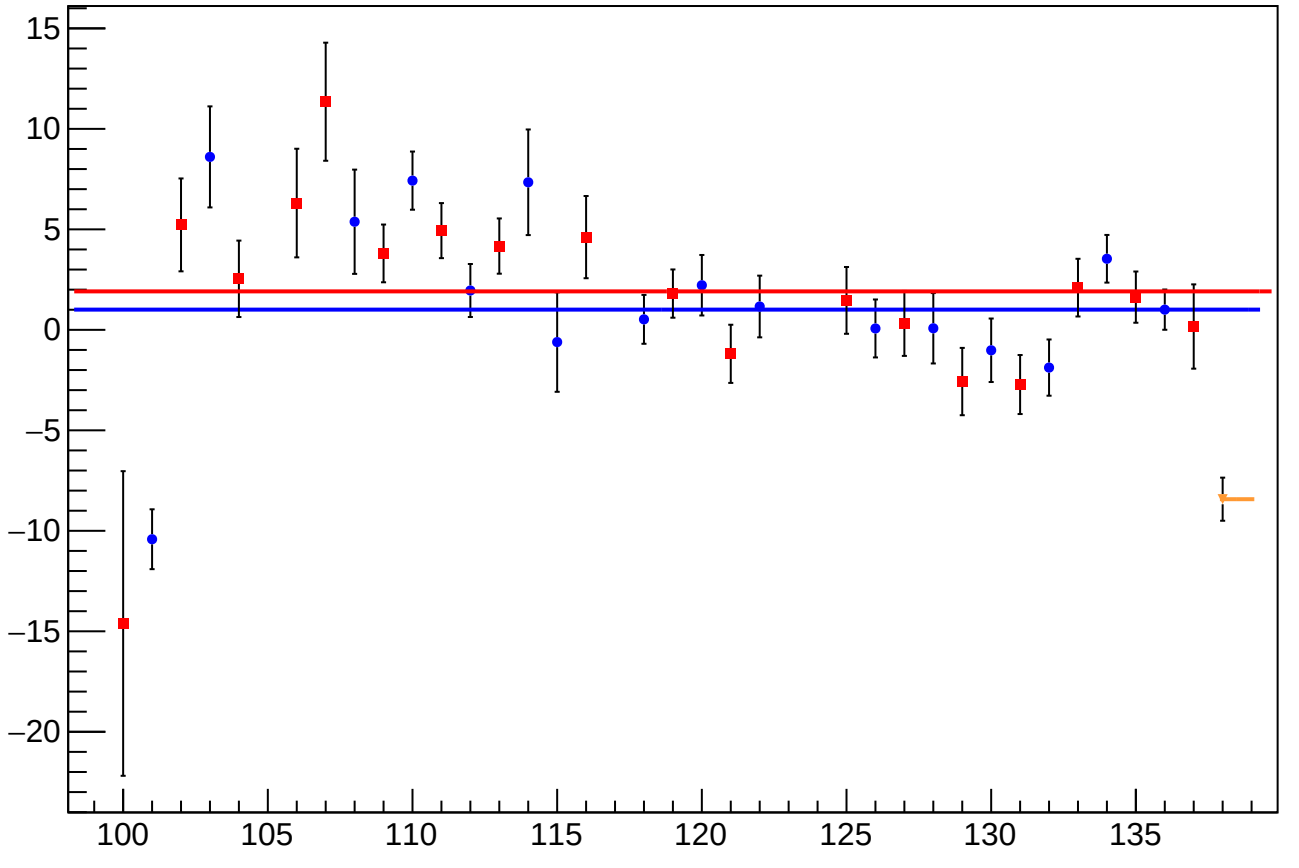
Left: -45.487+/-0.959 χ^2/NDF: 0.0/0

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -65.051+/-0.354 χ^2/NDF:92.8/15

Out: -61.844+/-0.337 χ^2/NDF:635.9/18

All: -63.370+/-0.244 χ^2/NDF: 771.8/34



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -8.427+/-1.072 χ^2/NDF:0.0/0

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

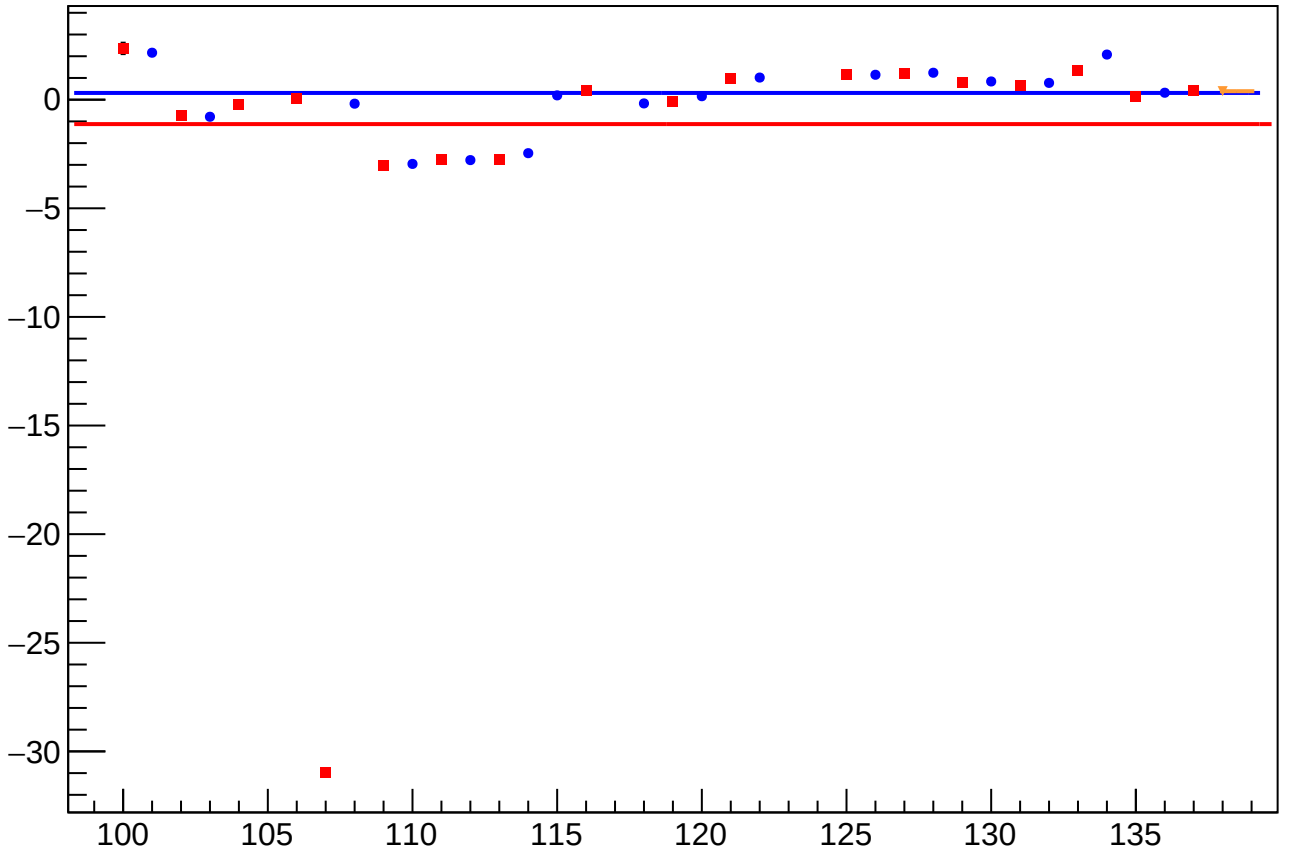
Left: -8.427+/-1.072 χ^2/NDF: 0.0/0

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 1.006+/-0.376 χ^2/NDF:109.2/15

Out: 0.708+/-0.366 χ^2/NDF:136.6/18

All: 0.853+/-0.262 χ^2/NDF: 246.2/34



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: 0.391+/-0.038 χ^2/NDF:0.0/0

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

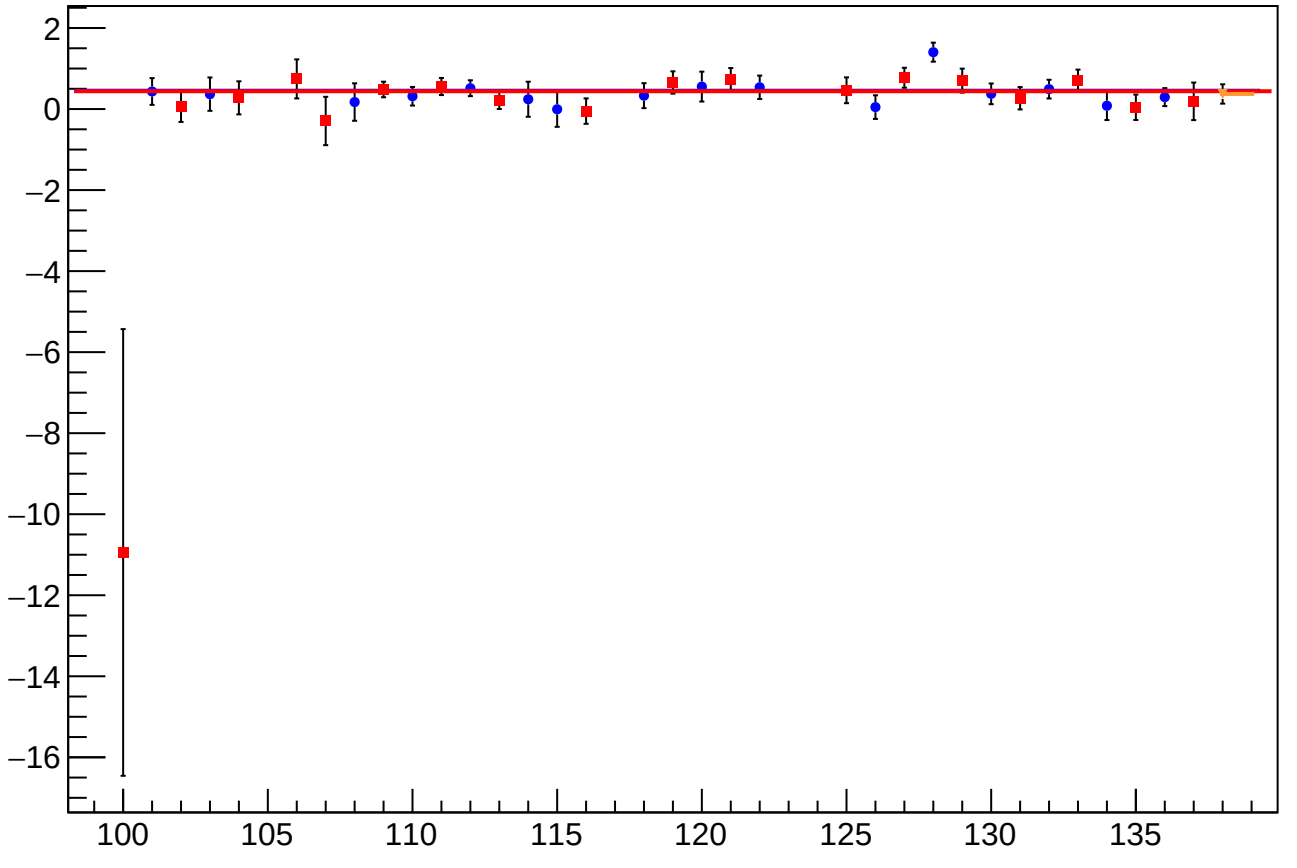
Left: 0.391+/-0.038 χ^2/NDF: 0.0/0

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: 0.310+/-0.021 χ^2/NDF:4848.4/15

Out: -0.737+/-0.019 χ^2/NDF:47536.3/18

All: -0.262+/-0.014 χ^2/NDF: 53736.6/34



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.372+/-0.239 χ^2/NDF:0.0/0

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

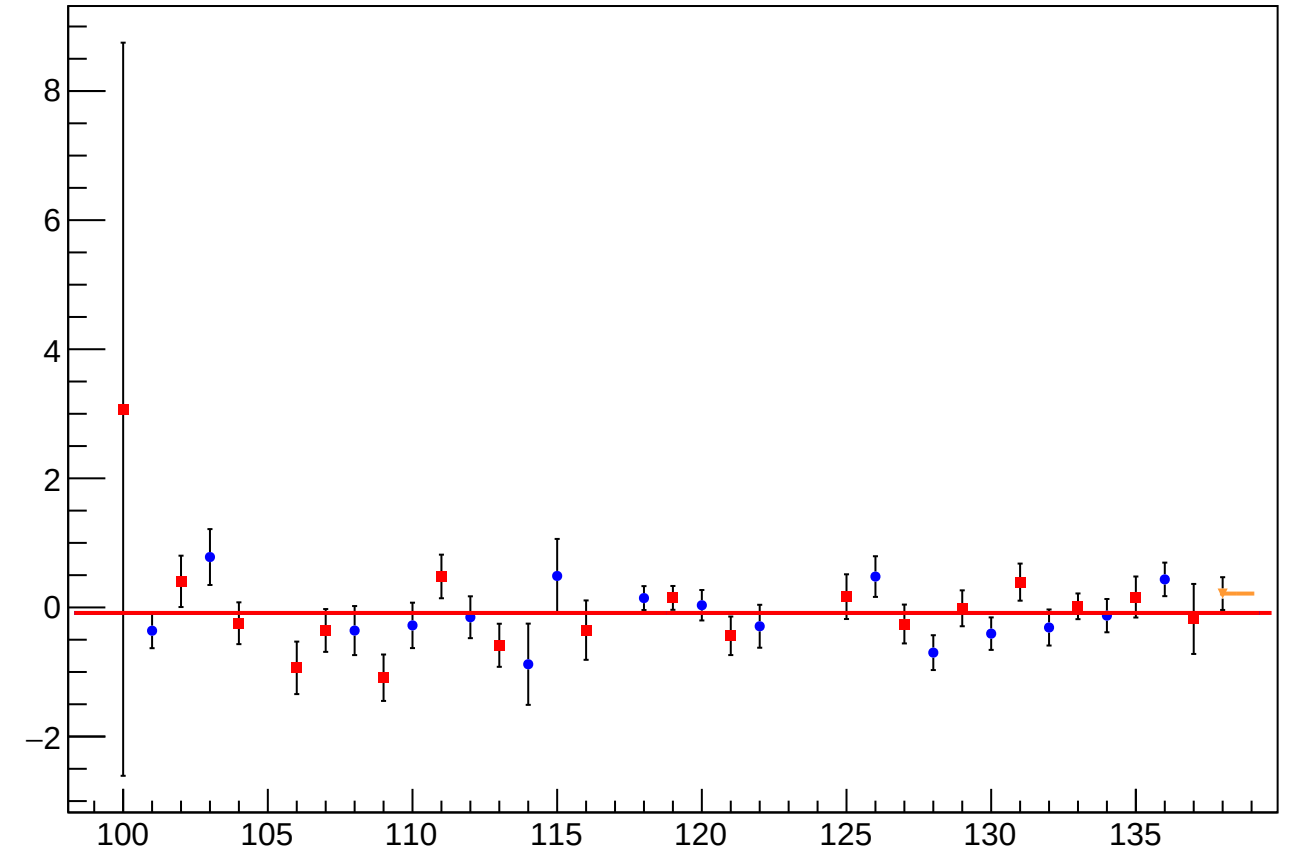
Left: 0.372+/-0.239 χ^2/NDF: 0.0/0

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.452+/-0.071 χ^2/NDF:22.6/15

Out: 0.435+/-0.067 χ^2/NDF:18.6/18

All: 0.443+/-0.049 χ^2/NDF: 41.3/34



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.215+/-0.254 χ^2/NDF:0.0/0

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.215+/-0.254 χ^2/NDF: 0.0/0

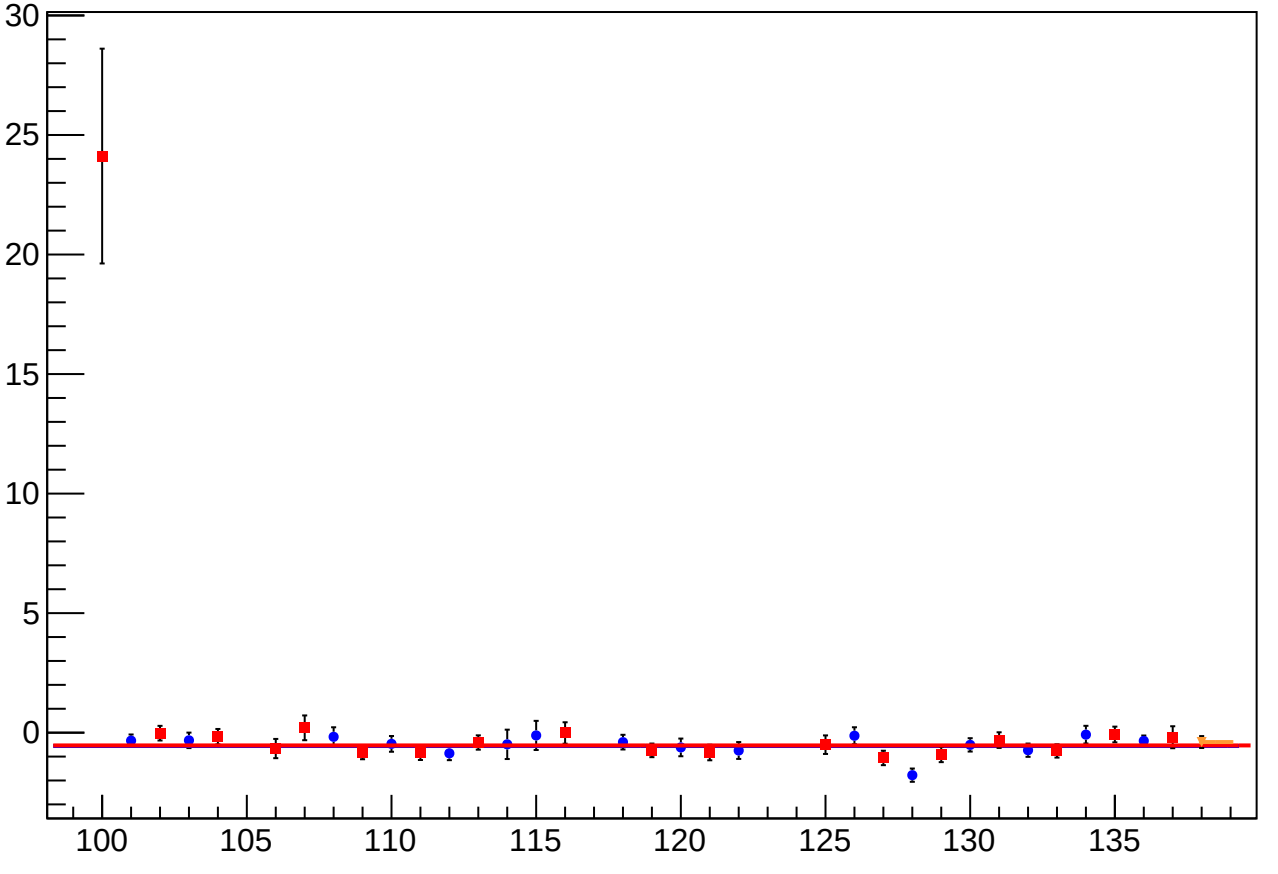
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.086+/-0.073 χ^2/NDF:25.4/15

Out: -0.062+/-0.071 χ^2/NDF:29.2/18

All: -0.074+/-0.051 χ^2/NDF: 54.6/34

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: -0.392+/-0.249 χ^2/NDF:0.0/0

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

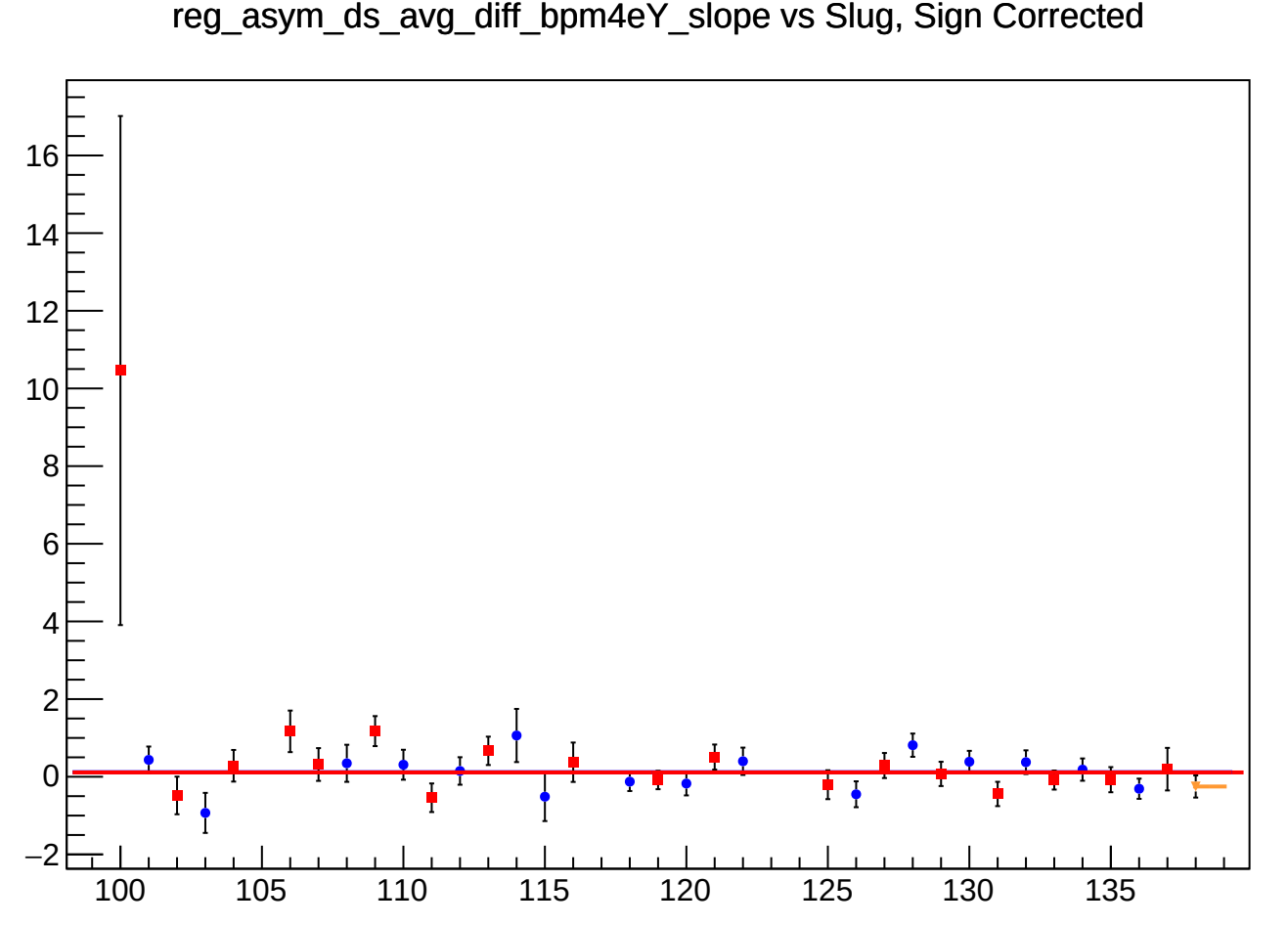
Left: -0.392+/-0.249 χ^2/NDF: 0.0/0

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.558+/-0.080 χ^2/NDF:28.3/15

Out: -0.520+/-0.077 χ^2/NDF:49.5/18

All: -0.539+/-0.055 χ^2/NDF: 77.9/34



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.251+/-0.285 χ^2/NDF:0.0/0

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

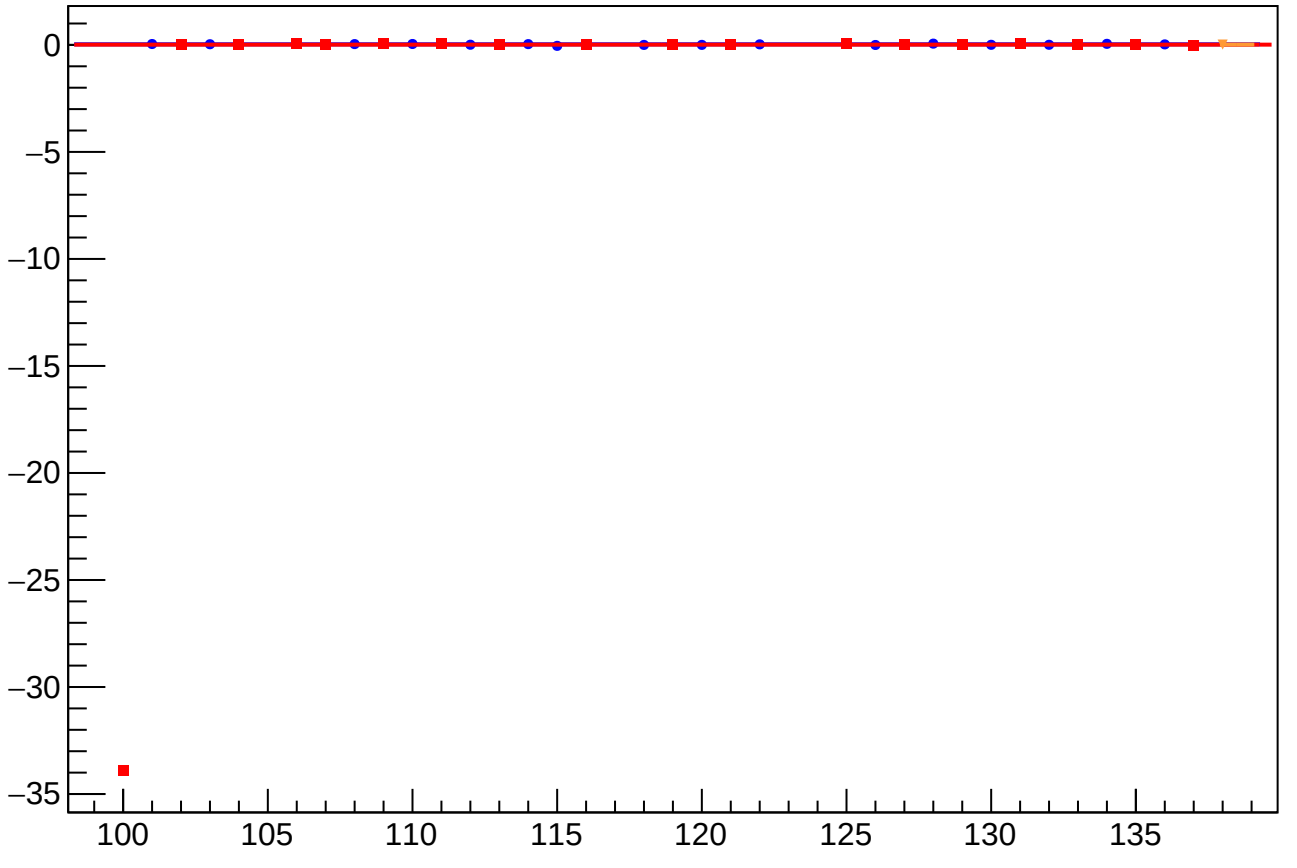
Left: -0.251+/-0.285 χ^2/NDF: 0.0/0

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.118+/-0.084 χ^2/NDF:23.6/15

Out: 0.082+/-0.081 χ^2/NDF:30.5/18

All: 0.099+/-0.058 χ^2/NDF: 54.2/34



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.015+/-0.010 χ^2/NDF:0.0/0

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

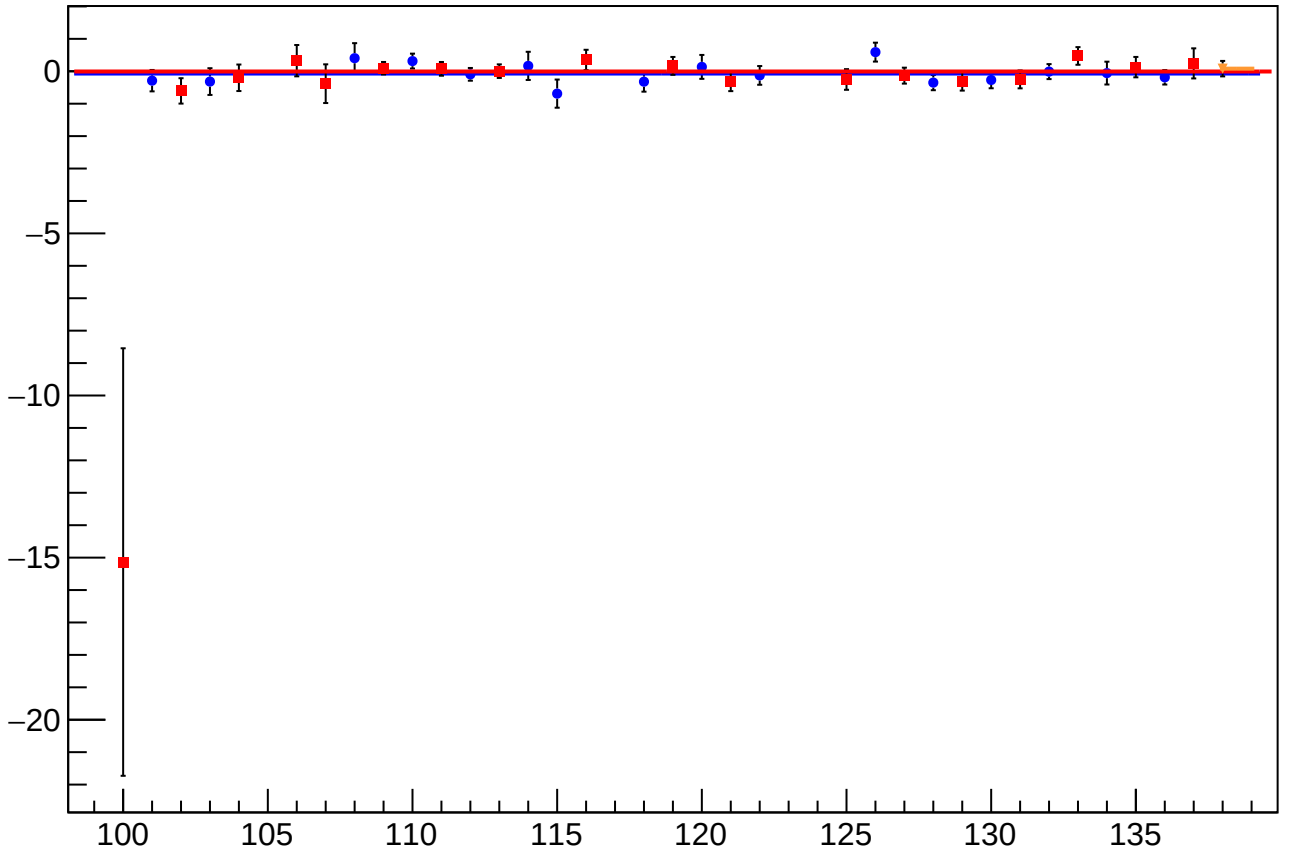
Left: 0.015+/-0.010 χ^2/NDF: 0.0/0

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.027+/-0.005 χ^2/NDF:14.7/15

Out: 0.012+/-0.004 χ^2/NDF:22262.1/18

All: 0.019+/-0.003 χ^2/NDF: 22282.1/34



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.081+/-0.238 χ^2/NDF:0.0/0

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

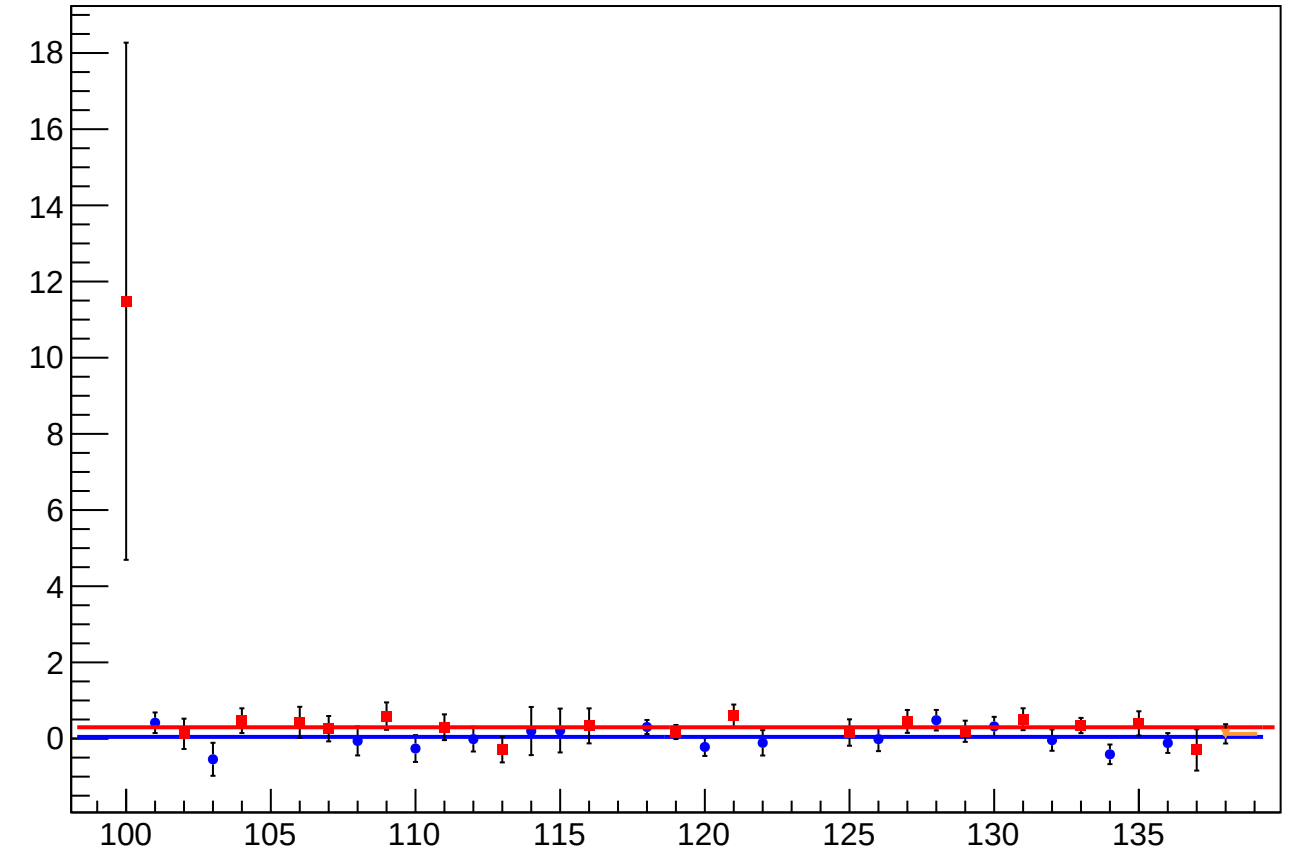
Left: 0.081+/-0.238 χ^2/NDF: 0.0/0

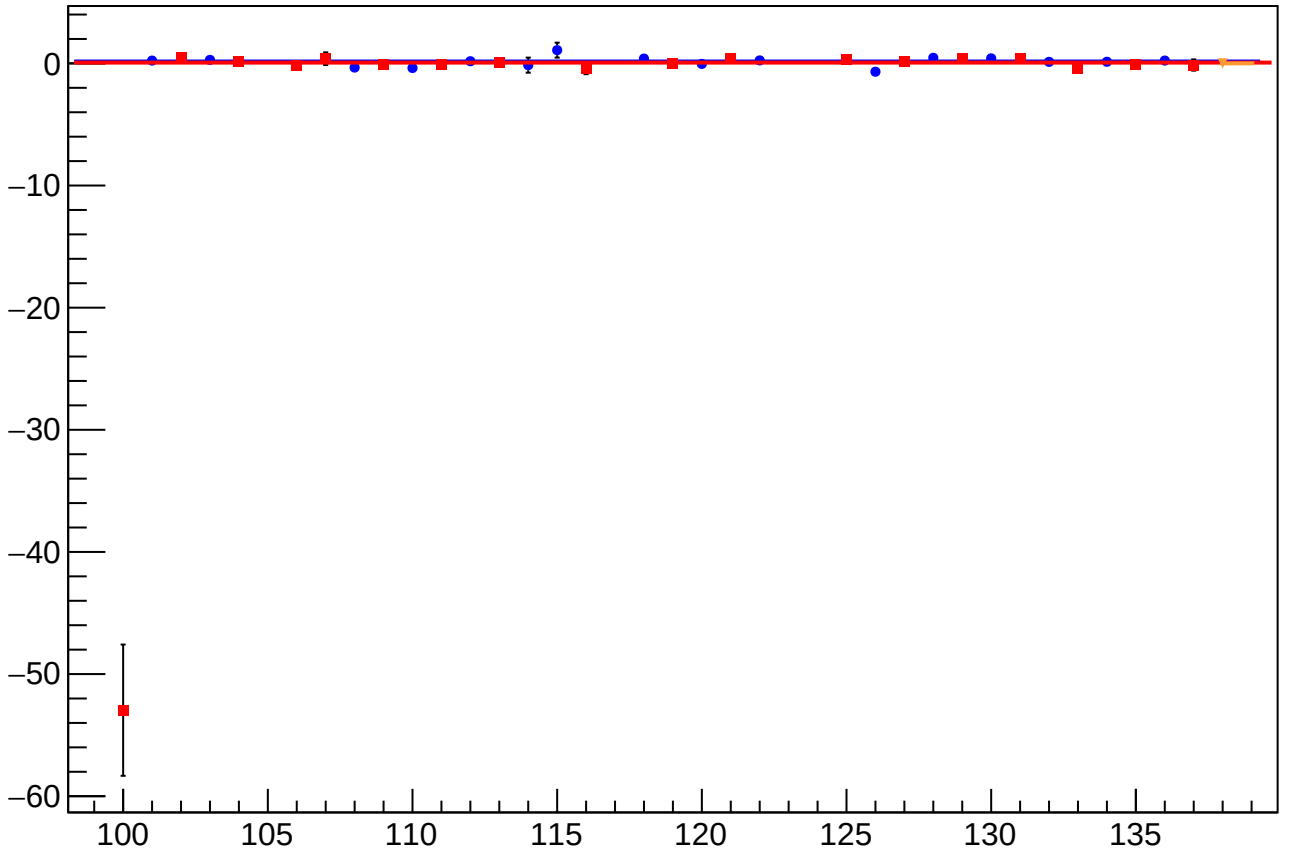
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: -0.070+/-0.071 χ^2/NDF:15.5/15

Out: -0.000+/-0.067 χ^2/NDF:18.3/18

All: -0.033+/-0.049 χ^2/NDF: 34.3/34


reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
18
16
14
12
10
8
6
4
2
0
100
105
110
115
120
125
130
135
Right In: 0.044+/-0.073 χ2/NDF: 15.7/15
Left Out: 0.123+/-0.253 χ2/NDF:0.0/0
Right Out: 0.296+/-0.074 χ2/NDF: 11.0/17
Left In: 0.000+/-0.000 χ2/NDF:0.0/0
Left: 0.123+/-0.253 χ2/NDF: 0.0/0
Right: 0.169+/-0.052 χ2/NDF: 32.6/33
In: 0.044+/-0.073 χ2/NDF:15.7/15
Out: 0.283+/-0.071 χ2/NDF:11.4/18
All: 0.167+/-0.051 χ2/NDF: 32.7/34



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: 0.003+/-0.249 χ^2/NDF:0.0/0

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

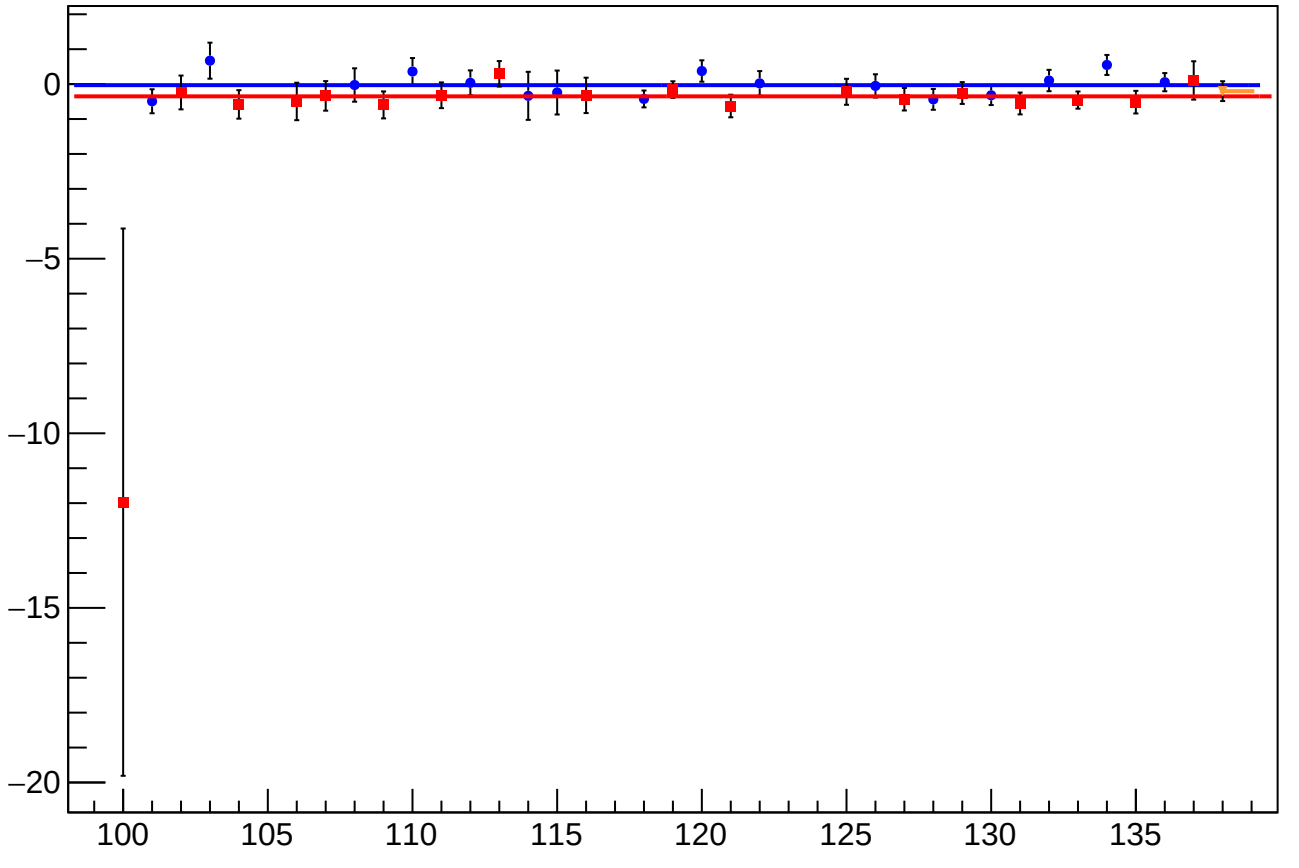
Left: 0.003+/-0.249 χ^2/NDF: 0.0/0

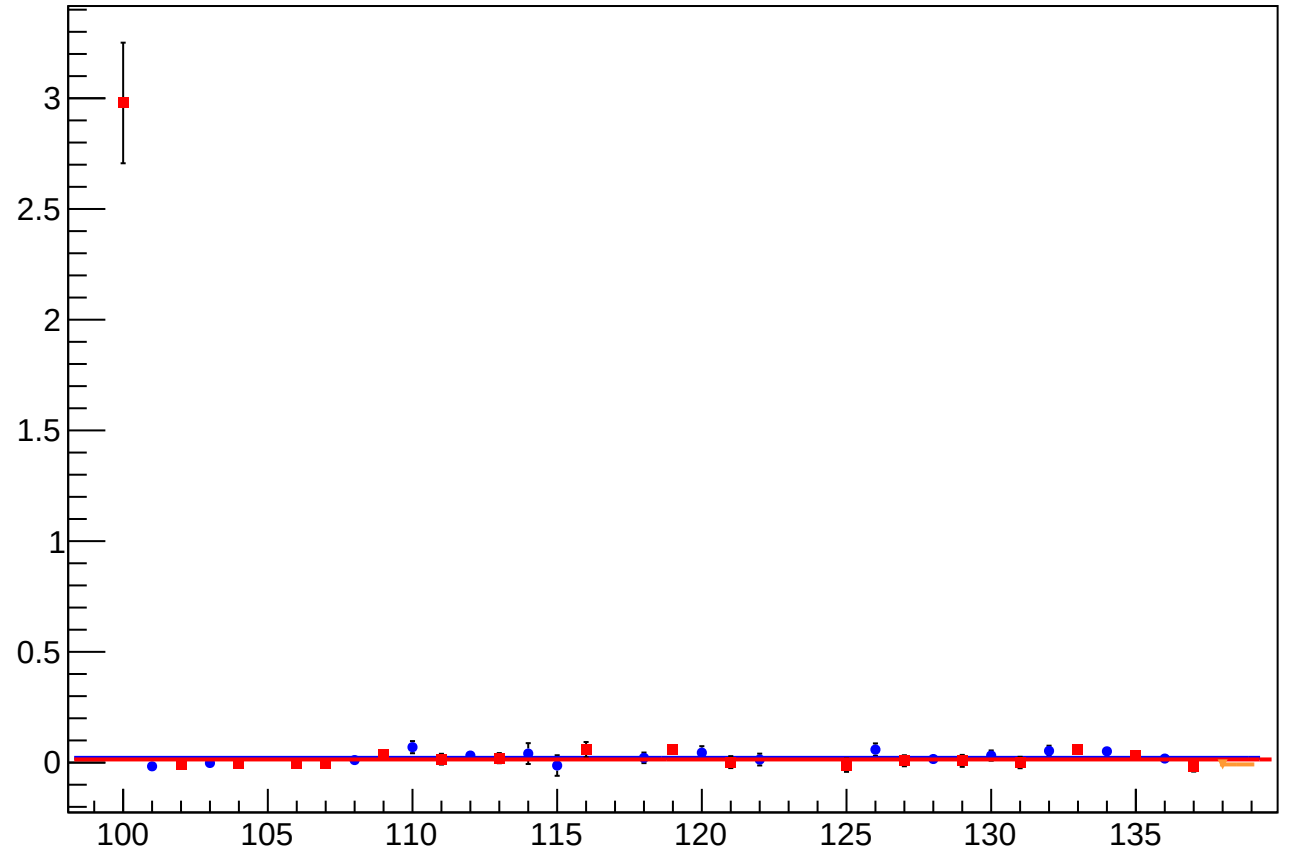
Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.154+/-0.080 χ^2/NDF:15.6/15

Out: 0.060+/-0.077 χ^2/NDF:109.4/18

All: 0.105+/-0.055 χ^2/NDF: 125.7/34


reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
100
105
110
115
120
125
130
135
Right In: -0.030+/-0.084 χ²/NDF: 16.8/15
Left Out: -0.202+/-0.284 χ²/NDF:0.0/0
Right Out: -0.350+/-0.085 χ²/NDF: 9.4/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.202+/-0.284 χ²/NDF: 0.0/0
Right: -0.188+/-0.060 χ²/NDF: 33.4/33
In: -0.030+/-0.084 χ²/NDF:16.8/15
Out: -0.338+/-0.081 χ²/NDF:9.7/18
All: -0.189+/-0.058 χ²/NDF: 33.4/34



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.008+/-0.010 χ^2/NDF:0.0/0

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

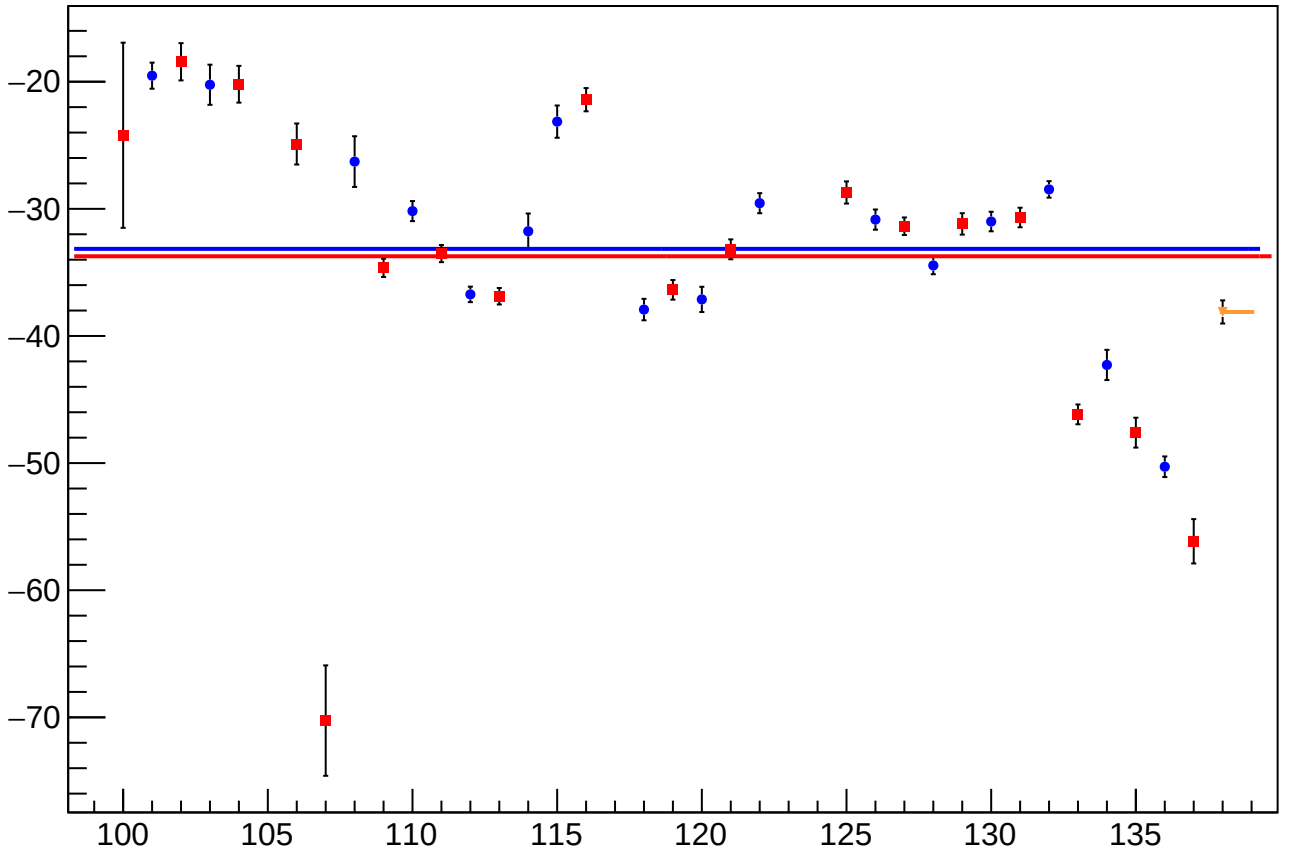
Left: -0.008+/-0.010 χ^2/NDF: 0.0/0

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.021+/-0.005 χ^2/NDF:22.5/15

Out: 0.010+/-0.004 χ^2/NDF:145.1/18

All: 0.015+/-0.003 χ^2/NDF: 170.9/34



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -38.112+/-0.910 χ^2/NDF:0.0/0

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

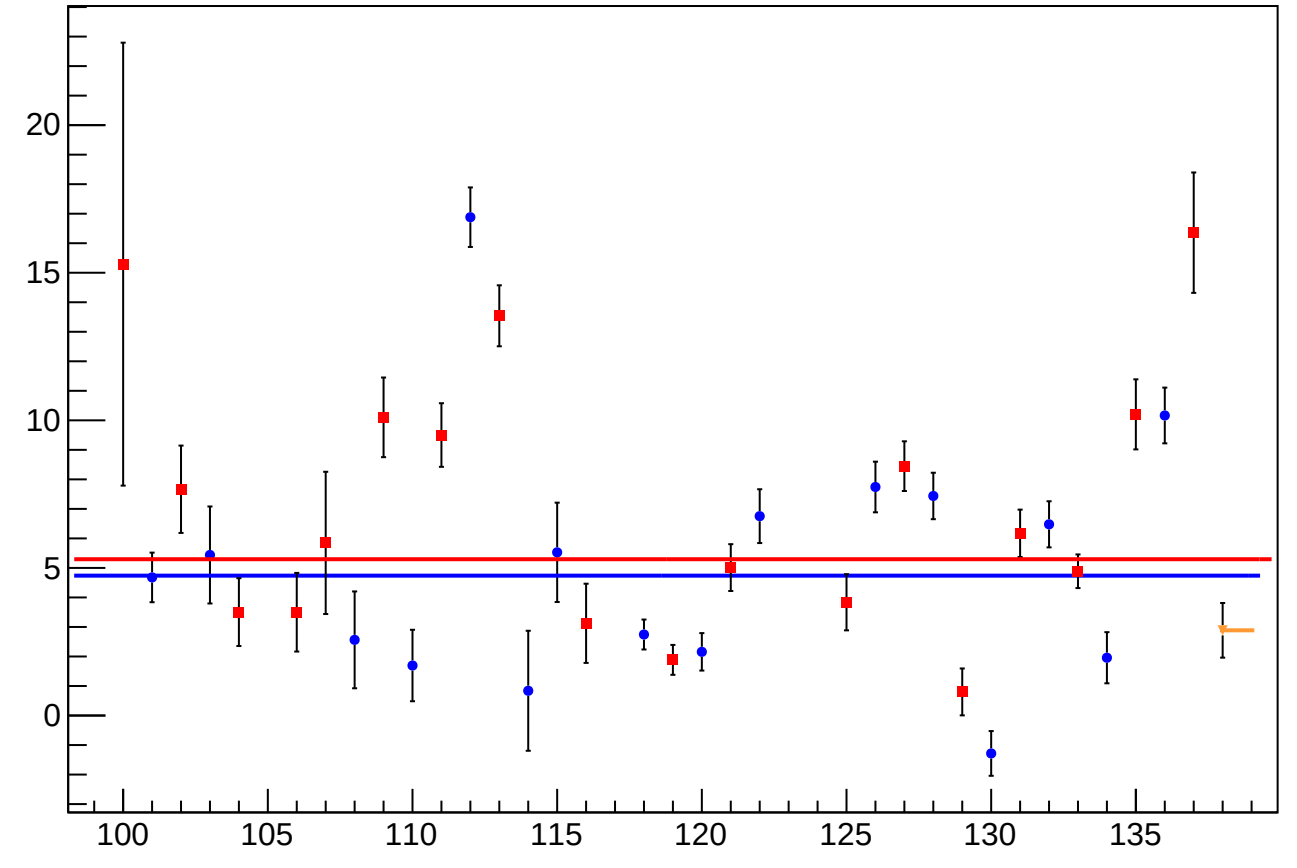
Left: -38.112+/-0.910 χ^2/NDF: 0.0/0

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -33.148+/-0.218 χ^2/NDF:1013.9/15

Out: -33.962+/-0.209 χ^2/NDF:1170.4/18

All: -33.572+/-0.151 χ^2/NDF: 2191.6/34



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.887+/-0.926 χ^2/NDF:0.0/0

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

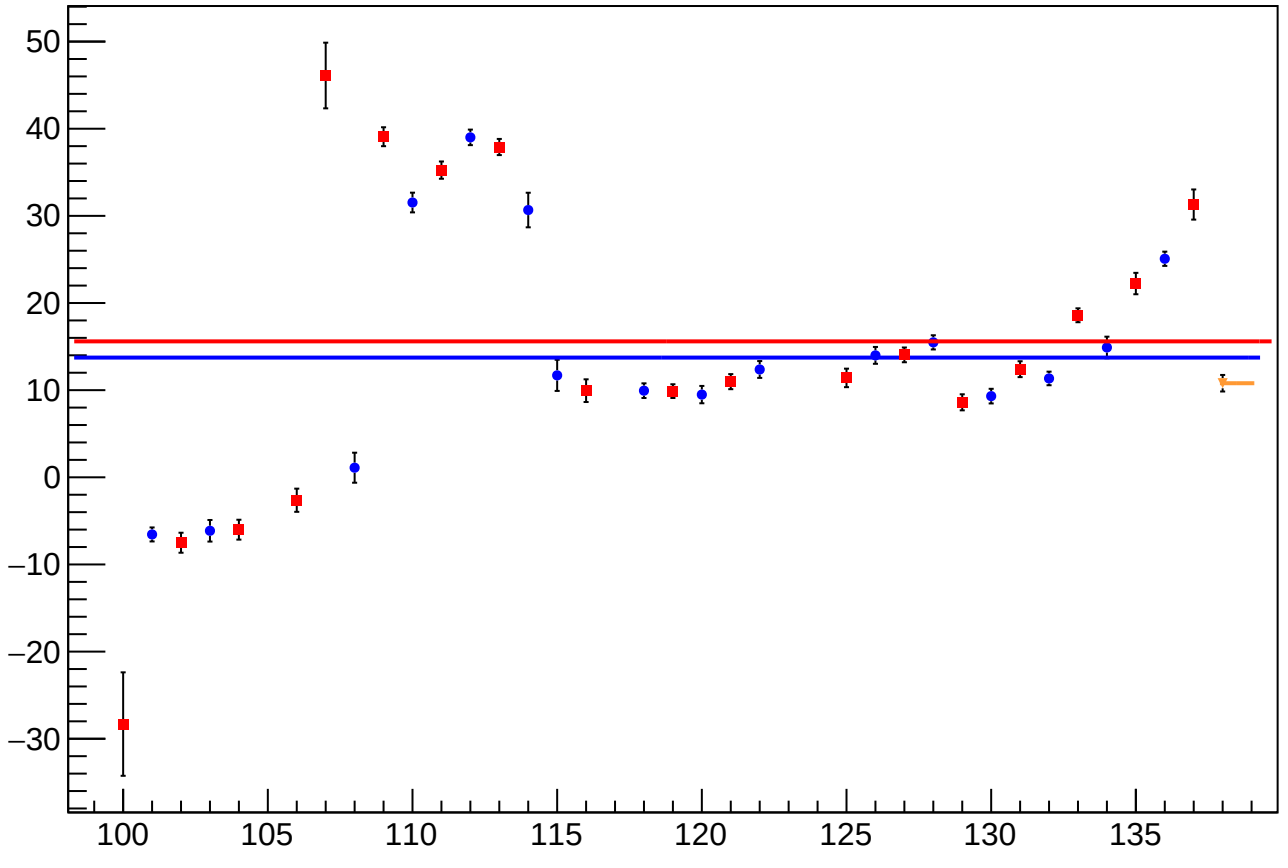
Left: 2.887+/-0.926 χ^2/NDF: 0.0/0

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 4.738+/-0.219 χ^2/NDF:329.6/15

Out: 5.163+/-0.217 χ^2/NDF:251.4/18

All: 4.953+/-0.154 χ^2/NDF: 582.9/34



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 10.796+/-0.949 χ^2/NDF:0.0/0

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

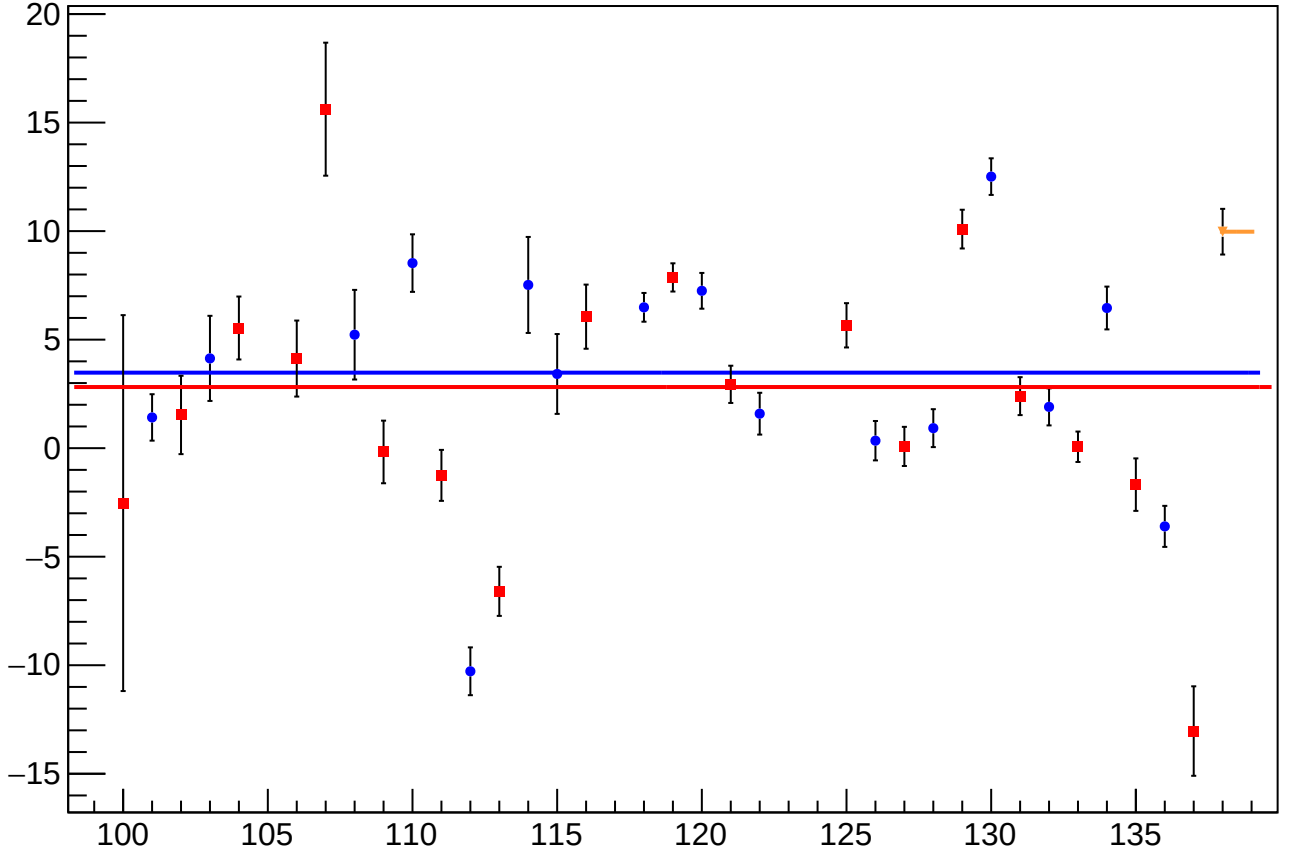
Left: 10.796+/-0.949 χ^2/NDF: 0.0/0

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 13.738+/-0.247 χ^2/NDF:2349.9/15

Out: 15.287+/-0.242 χ^2/NDF:2850.2/18

All: 14.528+/-0.173 χ^2/NDF: 5220.2/34



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.973+/-1.052 χ^2/NDF:0.0/0

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

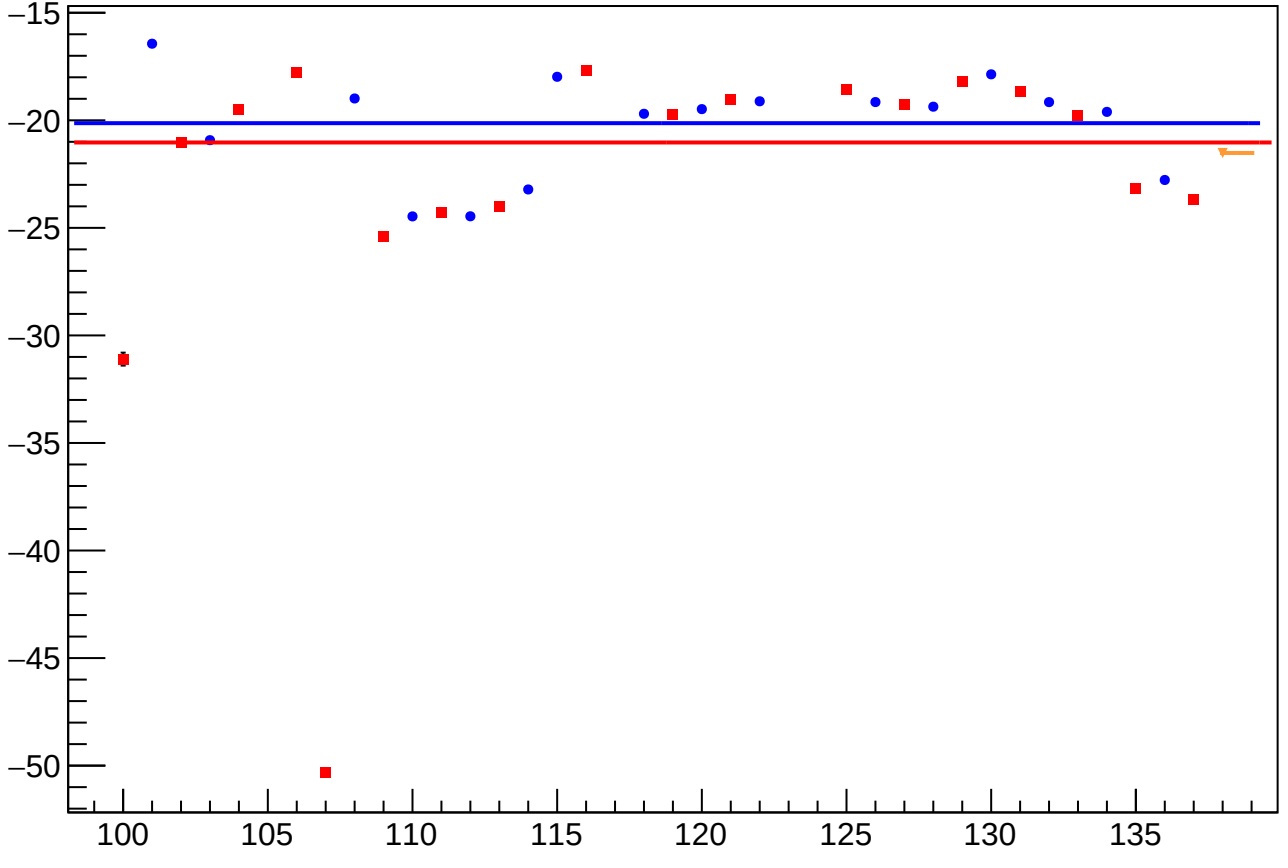
Left: 9.973+/-1.052 χ^2/NDF: 0.0/0

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 3.479+/-0.254 χ^2/NDF:427.6/15

Out: 3.220+/-0.250 χ^2/NDF:388.9/18

All: 3.348+/-0.178 χ^2/NDF: 817.1/34



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -21.518+/-0.038 χ^2/NDF:0.0/0

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

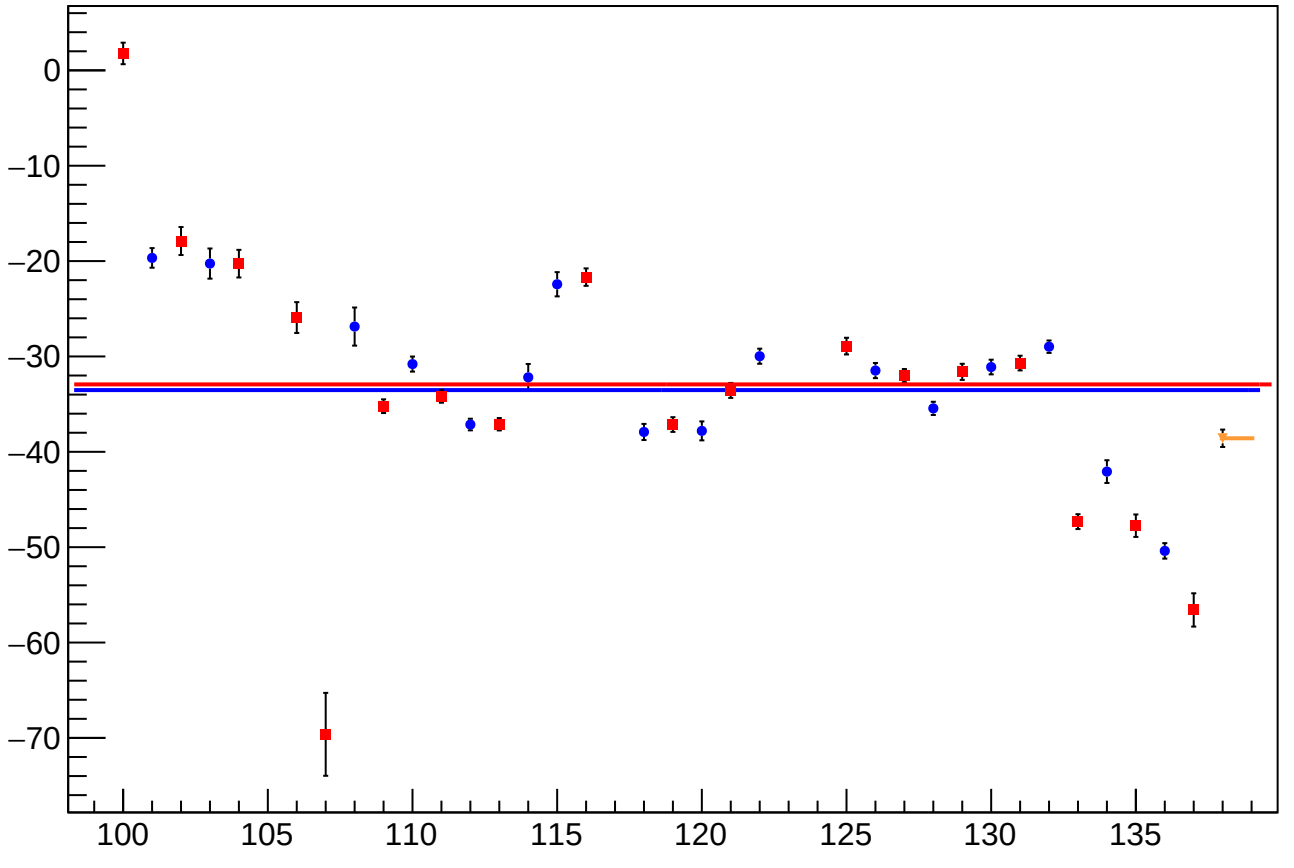
Left: -21.518+/-0.038 χ^2/NDF: 0.0/0

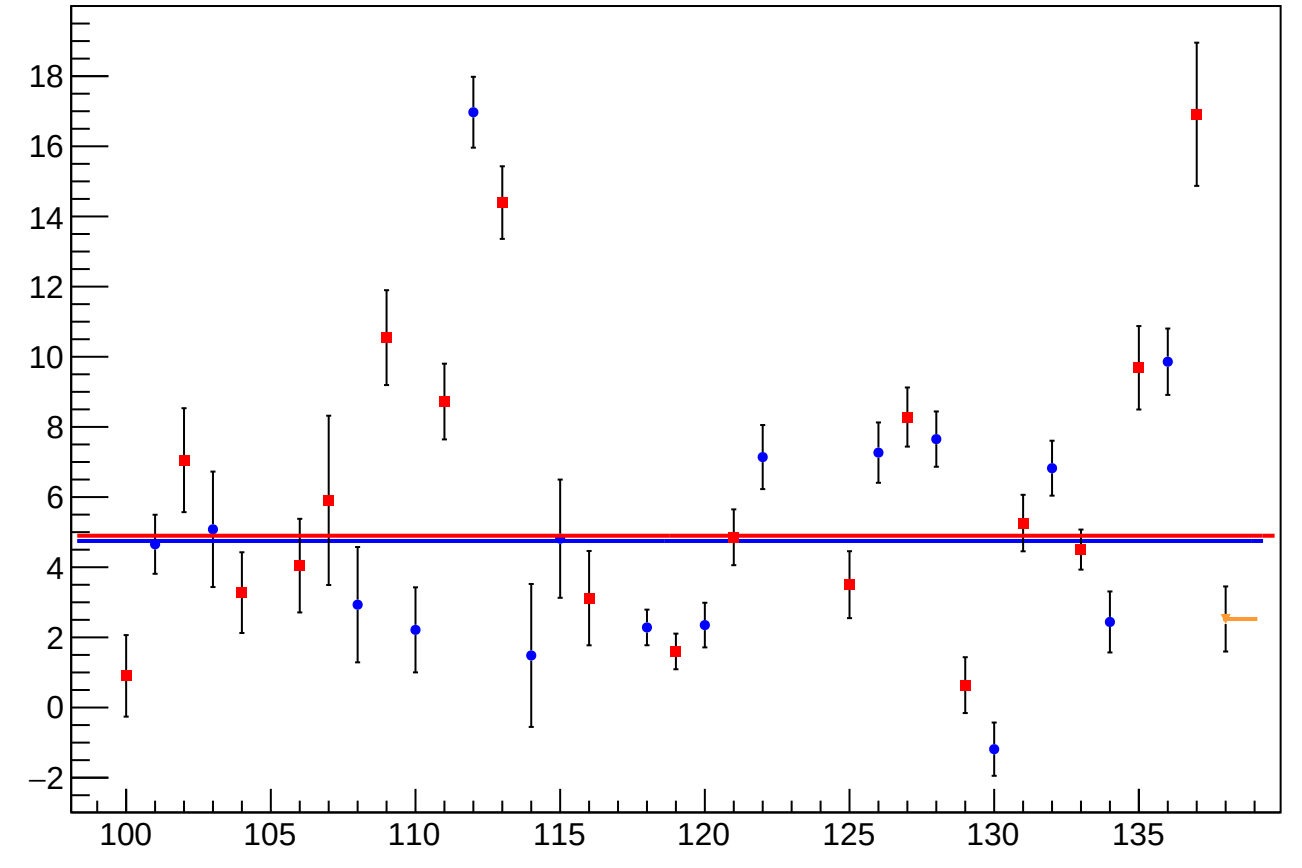
Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.133+/-0.016 χ^2/NDF:19831.2/15

Out: -21.108+/-0.015 χ^2/NDF:57663.9/18

All: -20.650+/-0.011 χ^2/NDF: 79461.0/34


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
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -38.581+/-0.911 χ²/NDF:0.0/0
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -38.581+/-0.911 χ²/NDF: 0.0/0
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -33.528+/-0.218 χ²/NDF:1008.7/15
Out: -33.220+/-0.206 χ²/NDF:2206.5/18
All: -33.365+/-0.150 χ²/NDF: 3216.2/34



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 2.524+/-0.928 χ^2/NDF:0.0/0

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

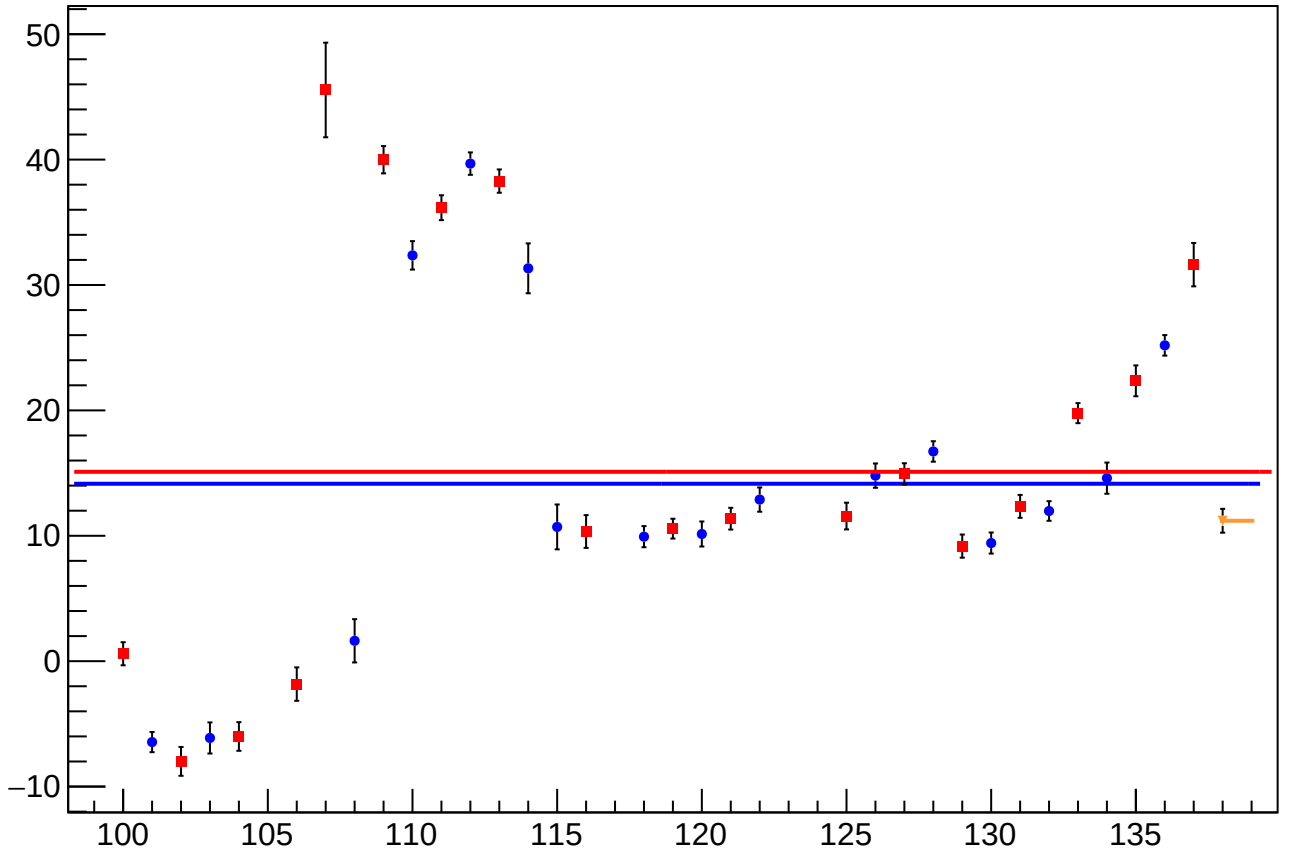
Left: 2.524+/-0.928 χ^2/NDF: 0.0/0

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 4.748+/-0.220 χ^2/NDF:325.7/15

Out: 4.772+/-0.214 χ^2/NDF:279.3/18

All: 4.761+/-0.153 χ^2/NDF: 605.0/34



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 11.198+/-0.951 χ^2/NDF:0.0/0

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

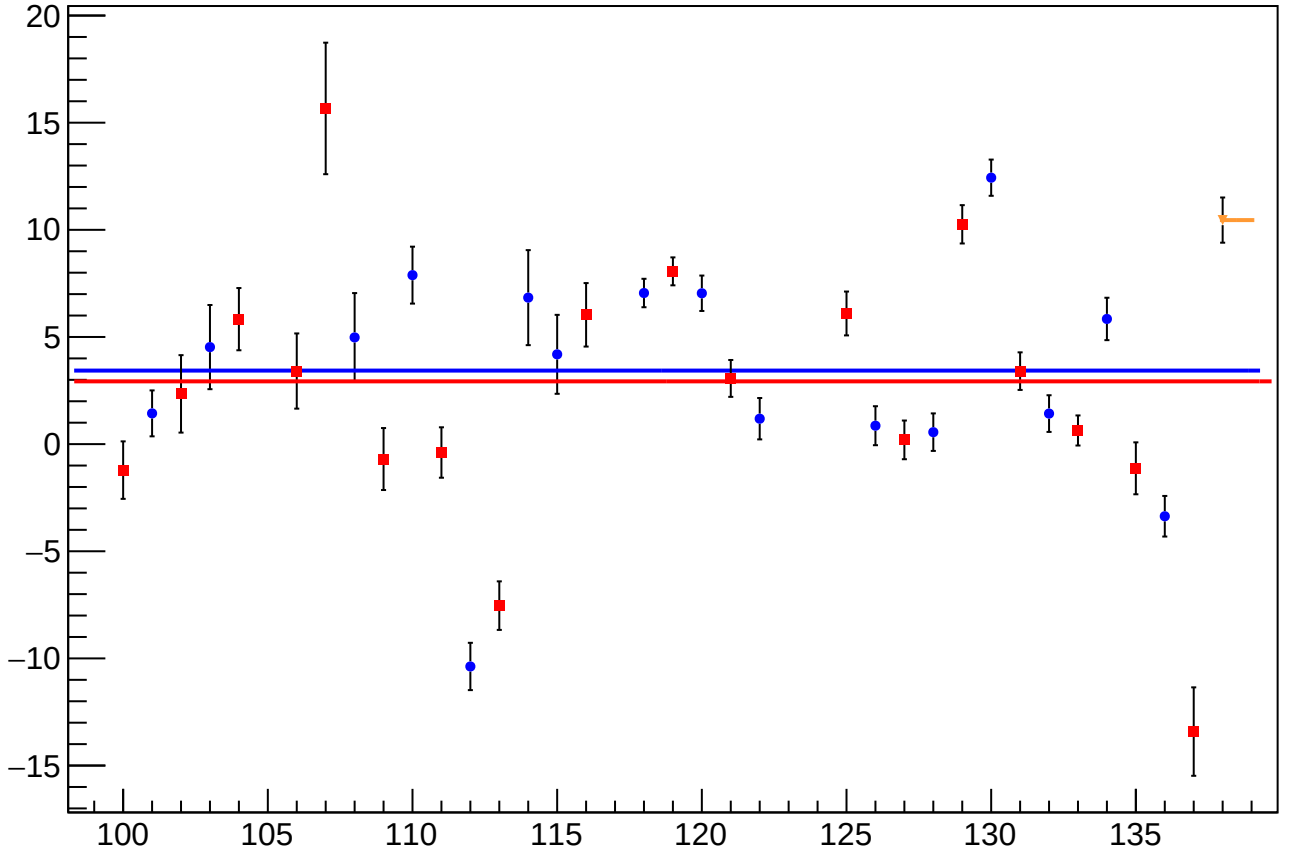
Left: 11.198+/-0.951 χ^2/NDF: 0.0/0

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 14.149+/-0.247 χ^2/NDF:2402.4/15

Out: 14.866+/-0.235 χ^2/NDF:3118.1/18

All: 14.526+/-0.170 χ^2/NDF: 5524.9/34



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 10.454+/-1.055 χ^2/NDF:0.0/0

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

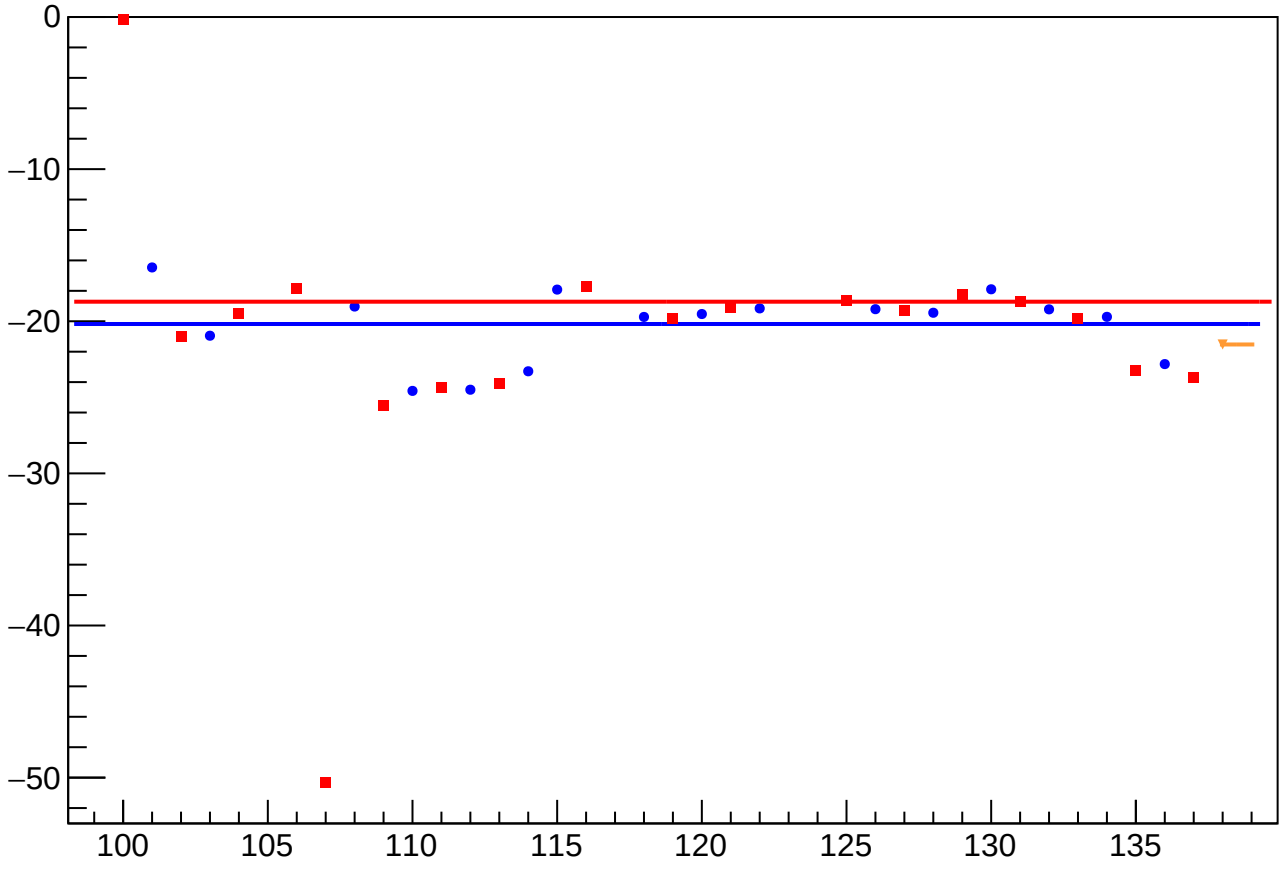
Left: 10.454+/-1.055 χ^2/NDF: 0.0/0

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 3.432+/-0.254 χ^2/NDF:424.0/15

Out: 3.339+/-0.246 χ^2/NDF:415.9/18

All: 3.384+/-0.177 χ^2/NDF: 839.9/34



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.526+/-0.038 χ^2/NDF:0.0/0

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -21.526+/-0.038 χ^2/NDF: 0.0/0

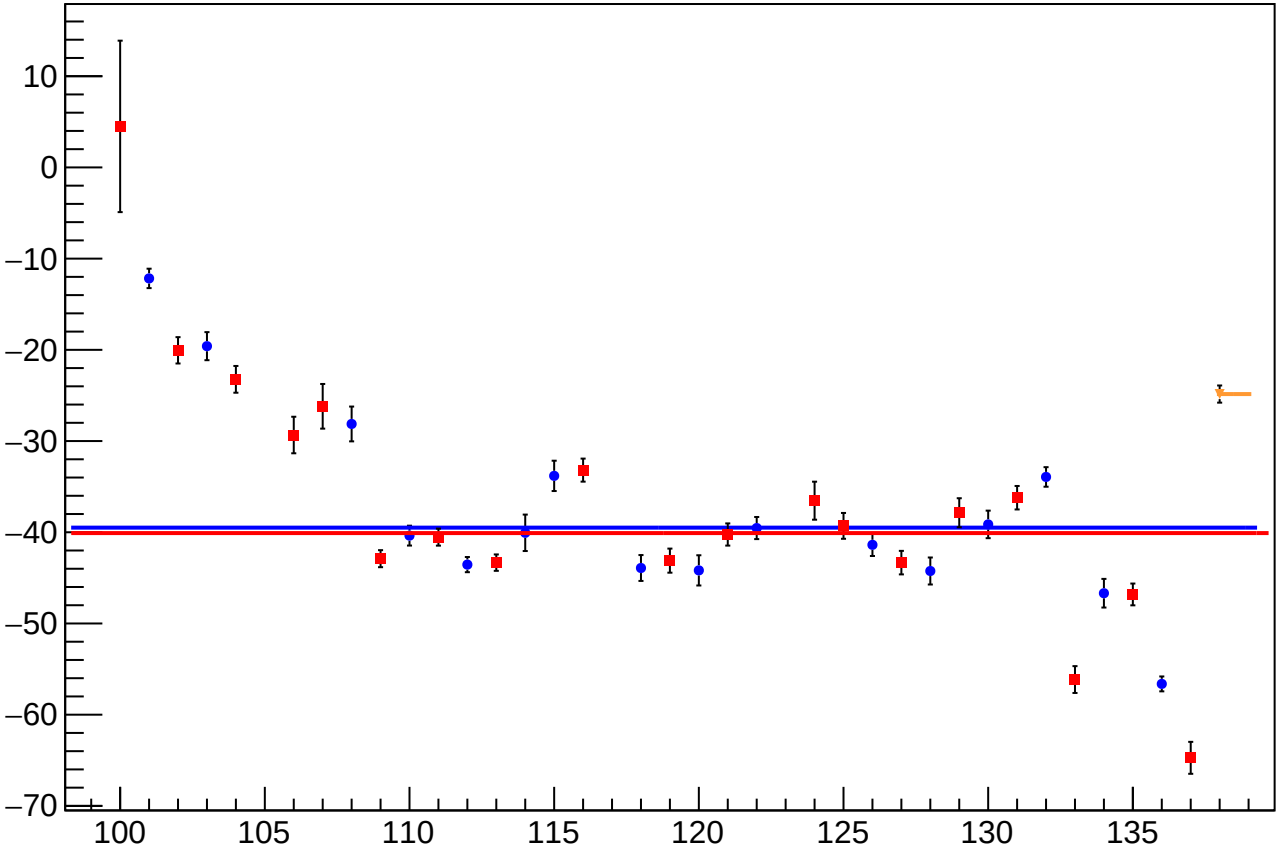
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.180+/-0.016 χ^2/NDF:19856.9/15

Out: -19.122+/-0.014 χ^2/NDF:239396.2/18

All: -19.594+/-0.011 χ^2/NDF: 261664.6/34

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: -24.849+/-0.941 χ^2/NDF:0.0/0

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

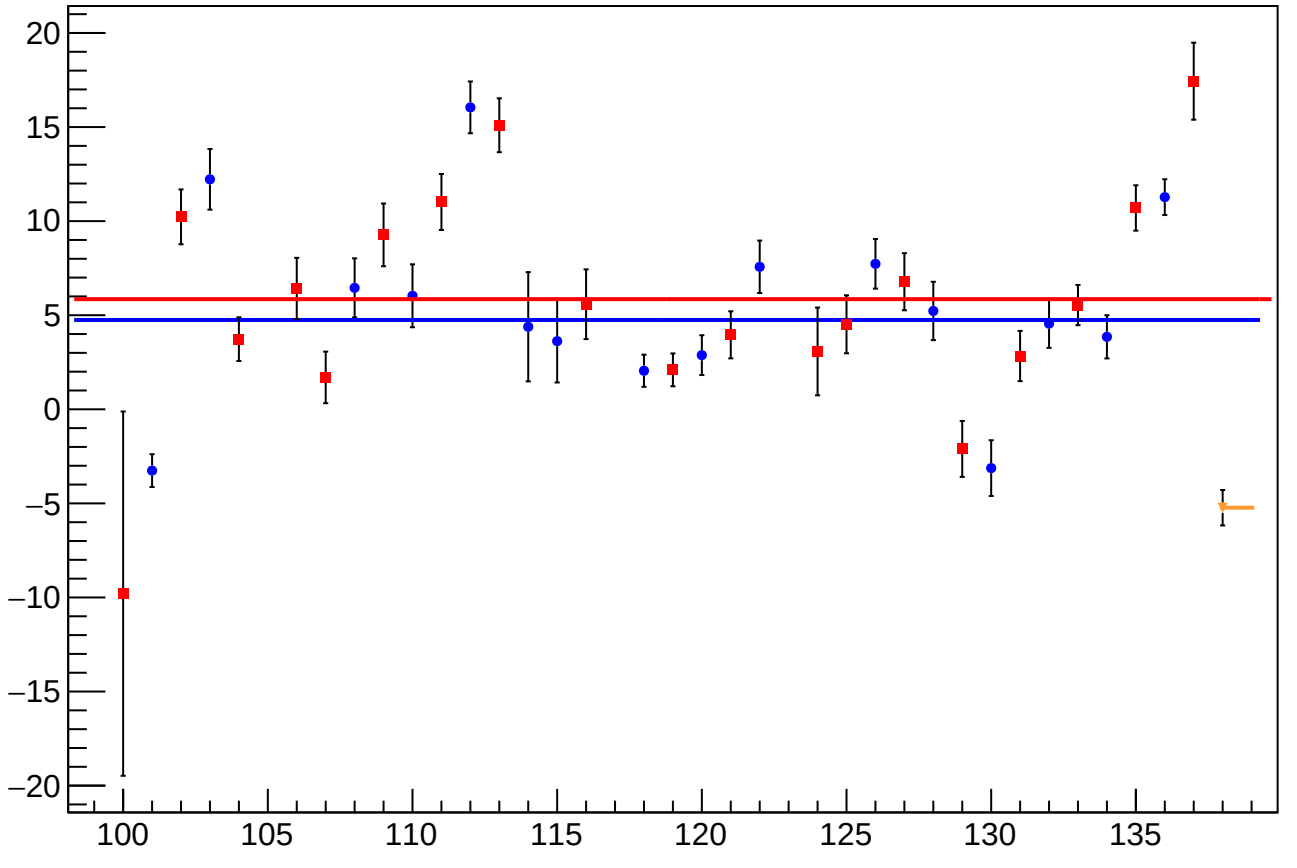
Left: -24.849+/-0.941 χ^2/NDF: 0.0/0

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.493+/-0.311 χ^2/NDF:1417.1/15

Out: -38.622+/-0.292 χ^2/NDF:1072.2/19

All: -39.030+/-0.213 χ^2/NDF: 2493.5/35



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: -5.230+/-0.942 χ^2/NDF:0.0/0

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

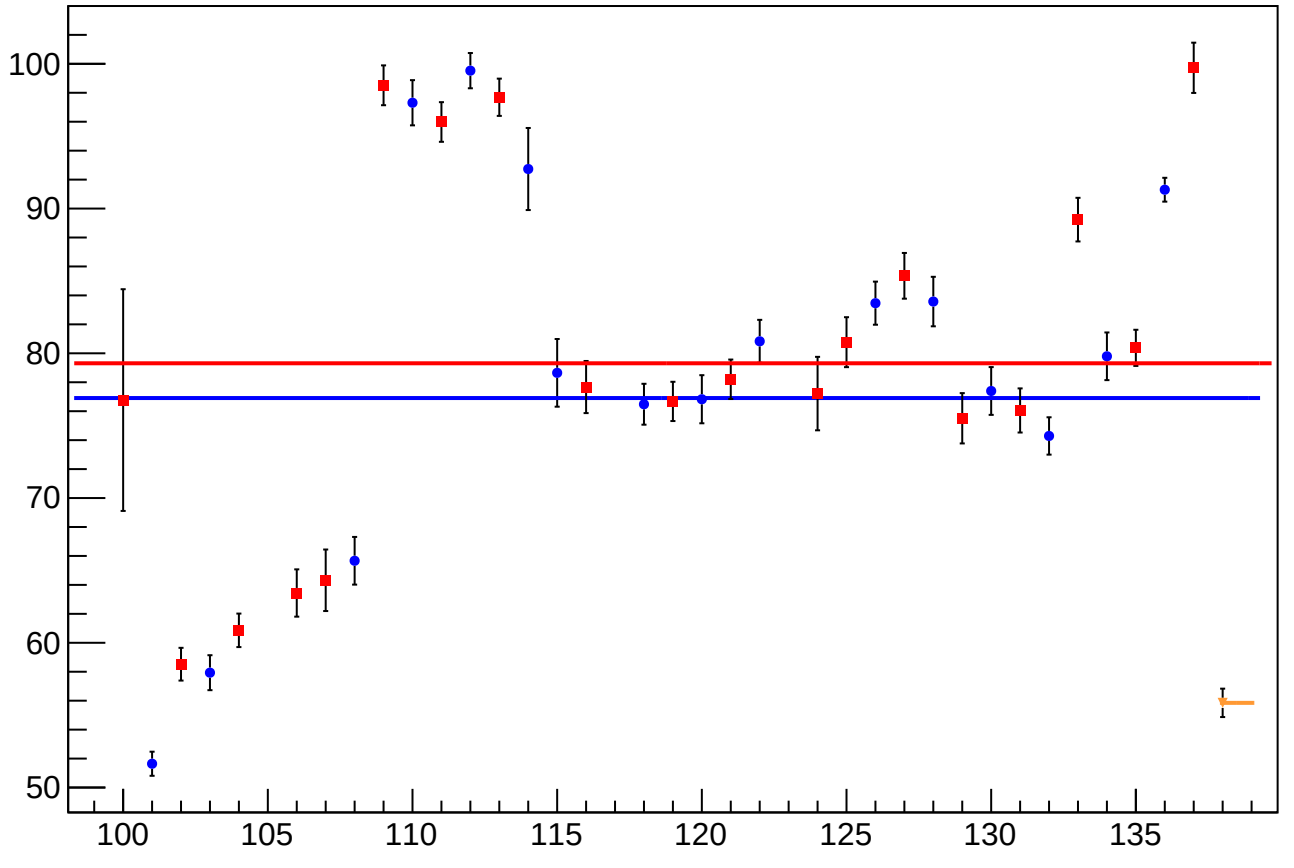
Left: -5.230+/-0.942 χ^2/NDF: 0.0/0

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 4.747+/-0.316 χ^2/NDF:273.8/15

Out: 4.682+/-0.306 χ^2/NDF:311.4/19

All: 4.714+/-0.220 χ^2/NDF: 585.3/35



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 55.850+/-0.981 χ^2/NDF:0.0/0

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

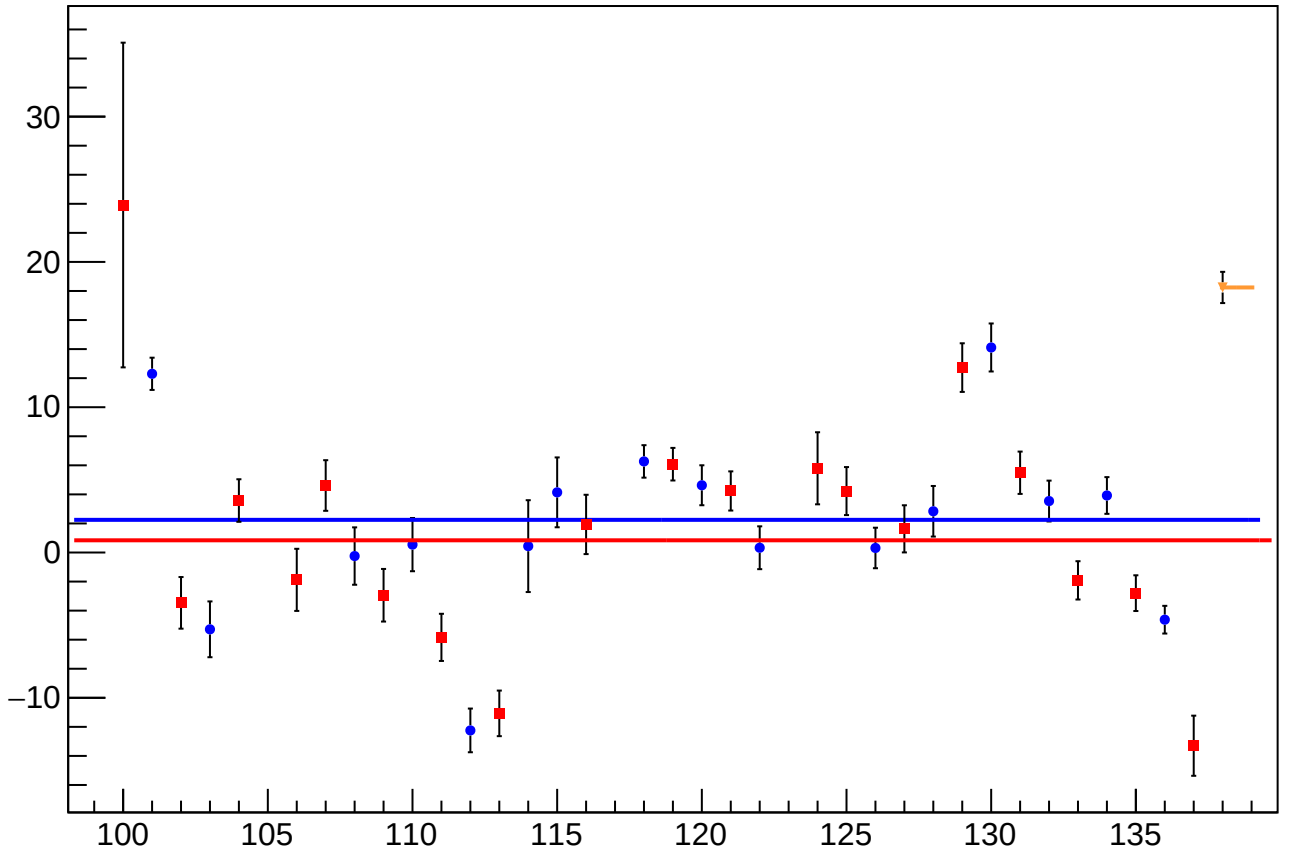
Left: 55.850+/-0.981 χ^2/NDF: 0.0/0

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 76.909+/-0.337 χ^2/NDF:2116.0/15

Out: 76.693+/-0.328 χ^2/NDF:2004.0/19

All: 76.798+/-0.235 χ^2/NDF: 4120.2/35



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 18.243+/-1.075 χ^2/NDF:0.0/0

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

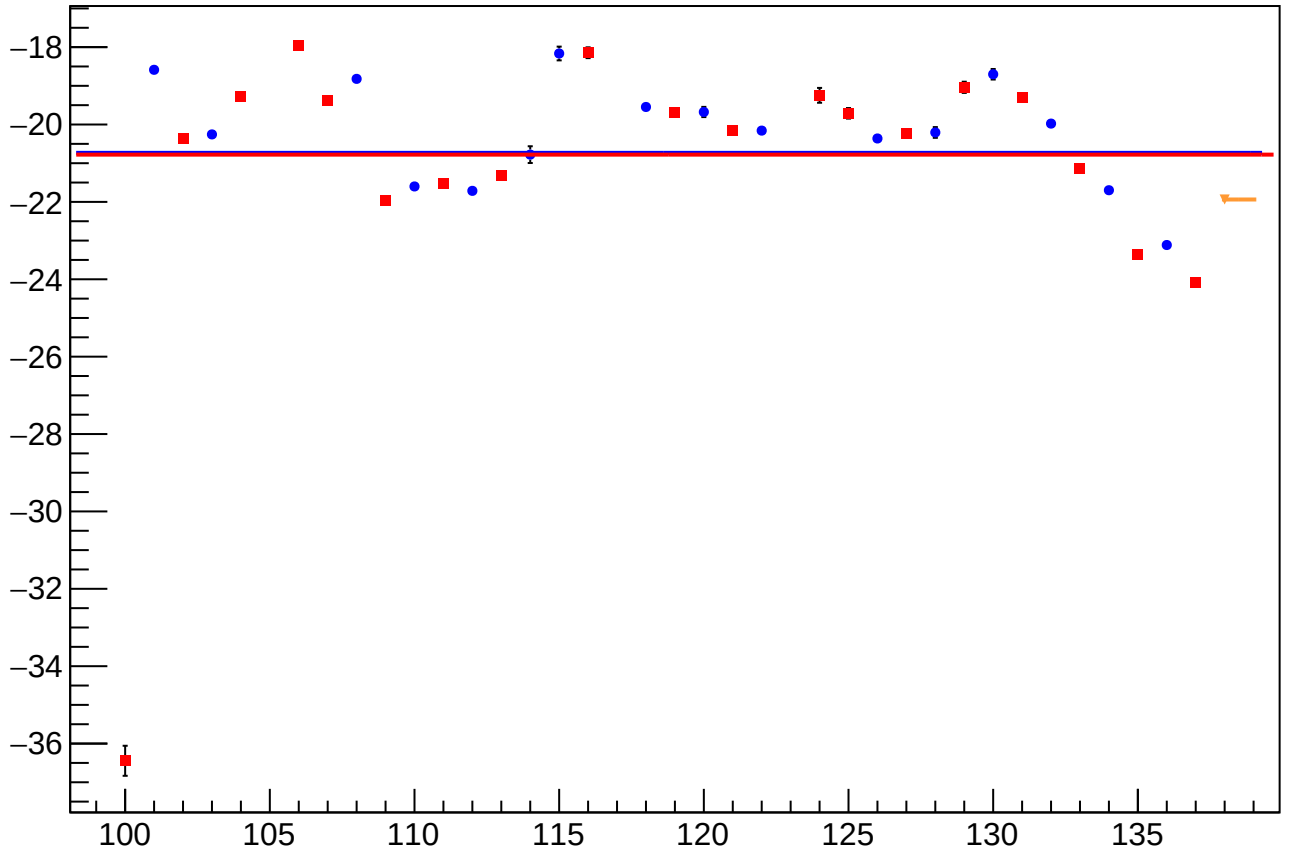
Left: 18.243+/-1.075 χ^2/NDF: 0.0/0

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 2.248+/-0.363 χ^2/NDF:319.6/15

Out: 2.702+/-0.352 χ^2/NDF:490.3/19

All: 2.482+/-0.253 χ^2/NDF: 810.7/35



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -21.938+/-0.039 χ^2/NDF:0.0/0

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

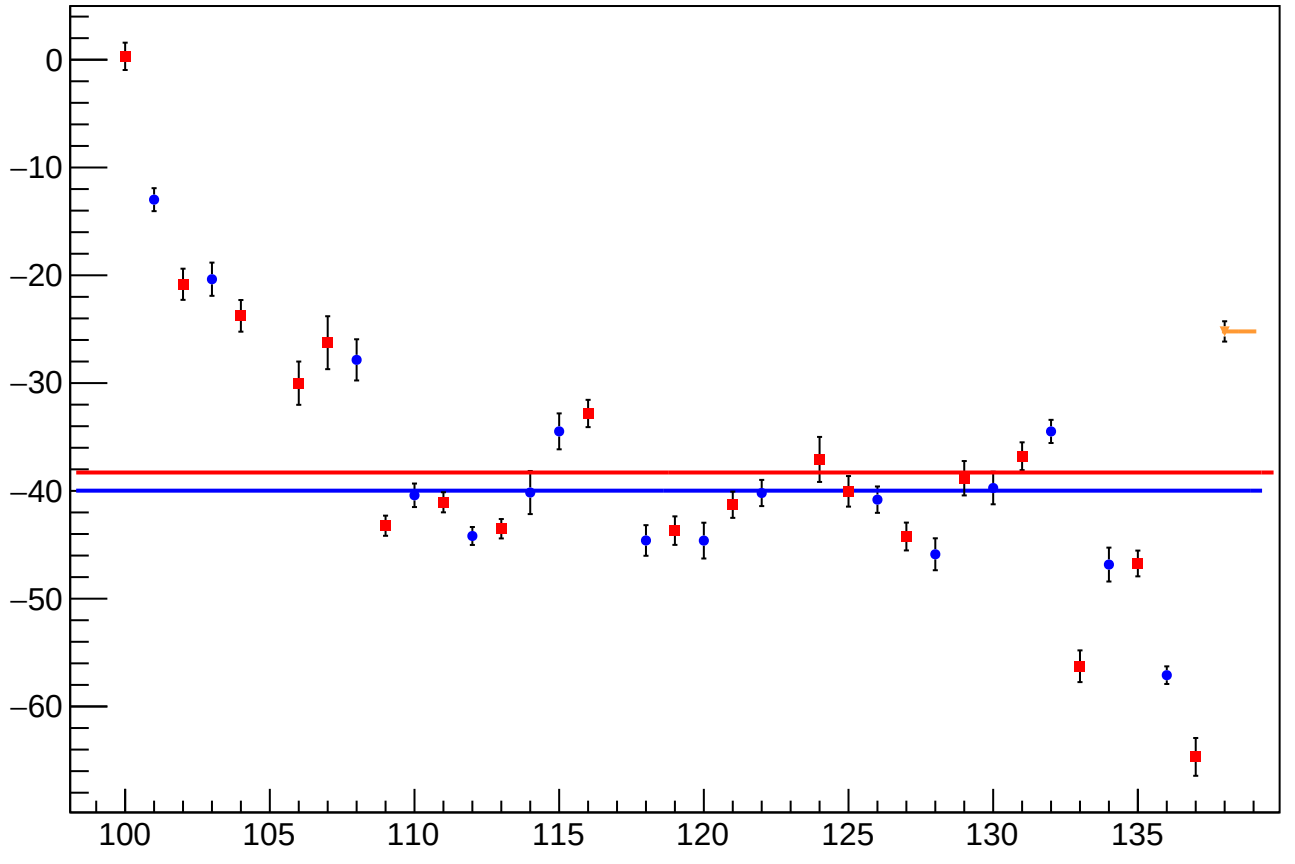
Left: -21.938+/-0.039 χ^2/NDF: 0.0/0

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -20.732+/-0.019 χ^2/NDF:7634.1/15

Out: -21.022+/-0.018 χ^2/NDF:10118.3/19

All: -20.888+/-0.013 χ^2/NDF: 17871.9/35



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -25.207+/-0.942 χ^2/NDF:0.0/0

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

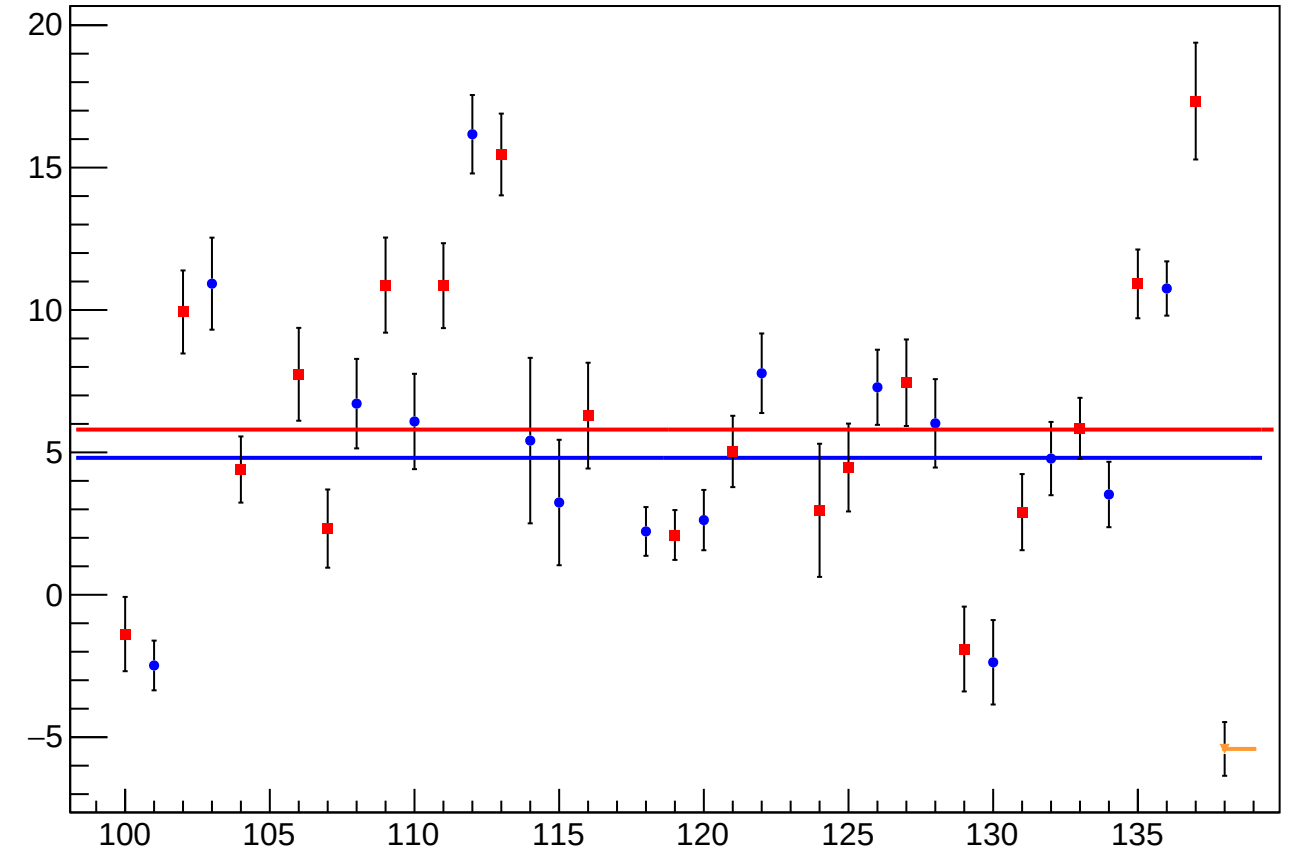
Left: -25.207+/-0.942 χ^2/NDF: 0.0/0

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -39.979+/-0.311 χ^2/NDF:1398.4/15

Out: -37.097+/-0.285 χ^2/NDF:1949.0/19

All: -38.413+/-0.210 χ^2/NDF: 3394.1/35



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: -5.412+/-0.944 χ^2/NDF:0.0/0

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

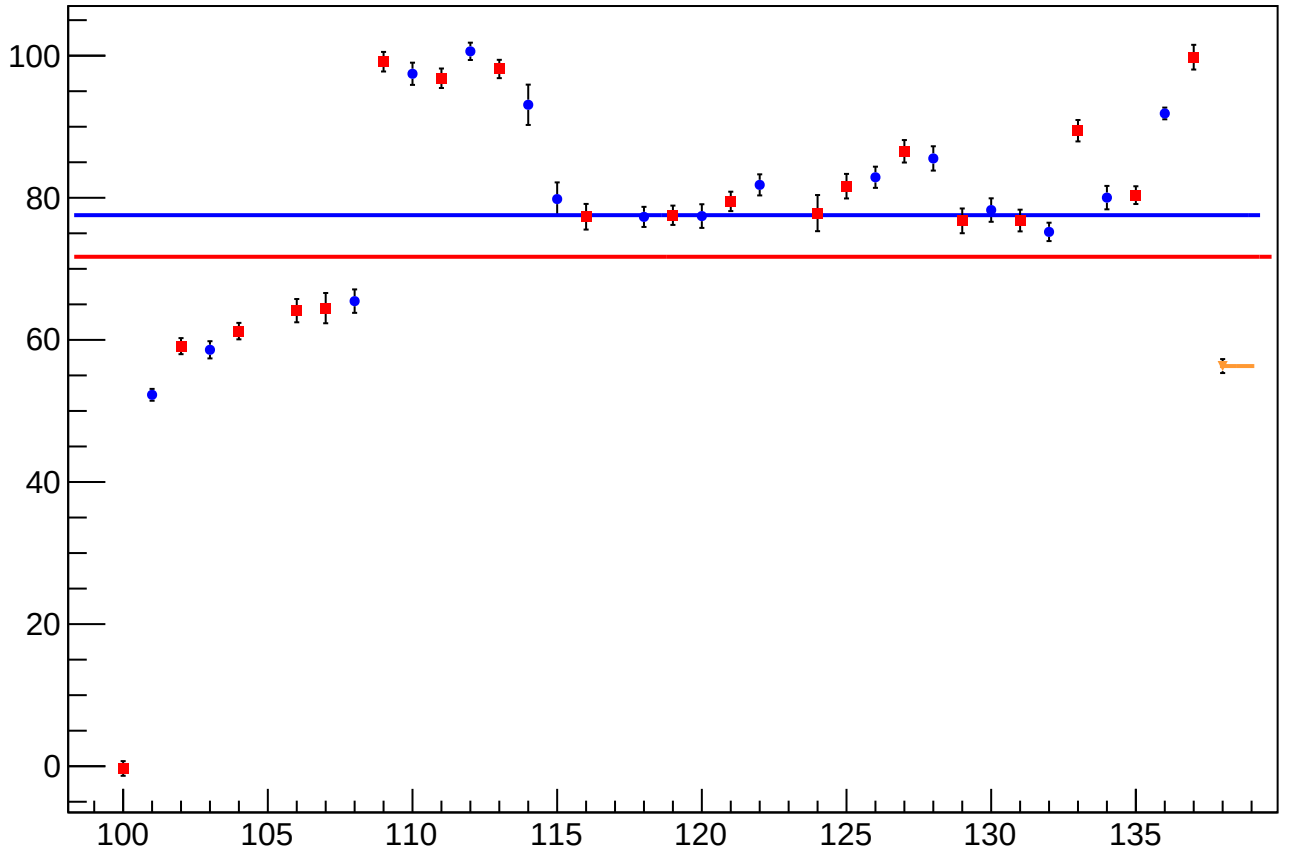
Left: -5.412+/-0.944 χ^2/NDF: 0.0/0

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 4.808+/-0.316 χ^2/NDF:240.5/15

Out: 4.677+/-0.299 χ^2/NDF:343.5/19

All: 4.739+/-0.217 χ^2/NDF: 584.1/35



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 56.318+/-0.983 χ^2/NDF:0.0/0

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

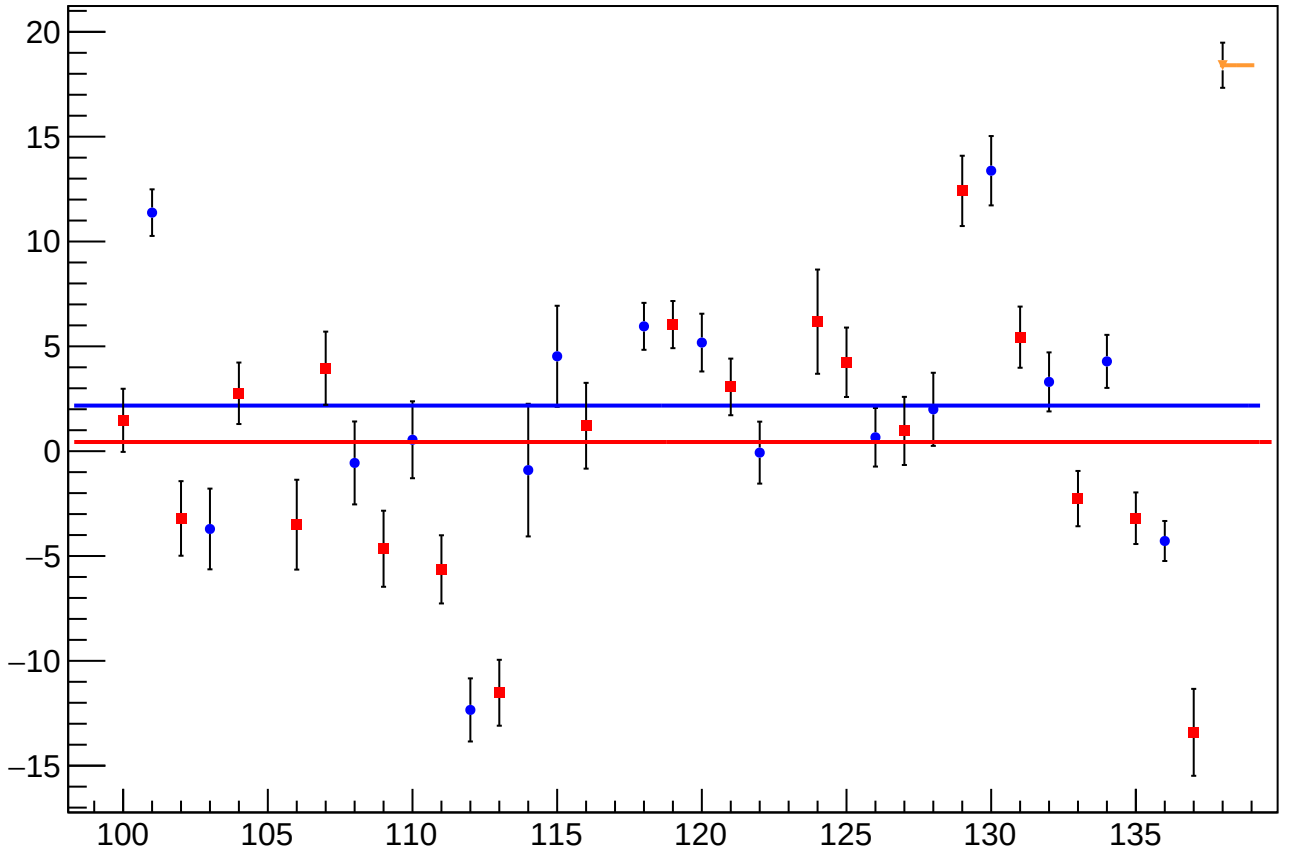
Left: 56.318+/-0.983 χ^2/NDF: 0.0/0

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 77.554+/-0.337 χ^2/NDF:2118.3/15

Out: 70.138+/-0.313 χ^2/NDF:7123.4/19

All: 73.571+/-0.230 χ^2/NDF: 9501.1/35



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 18.407+/-1.077 χ^2/NDF:0.0/0

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

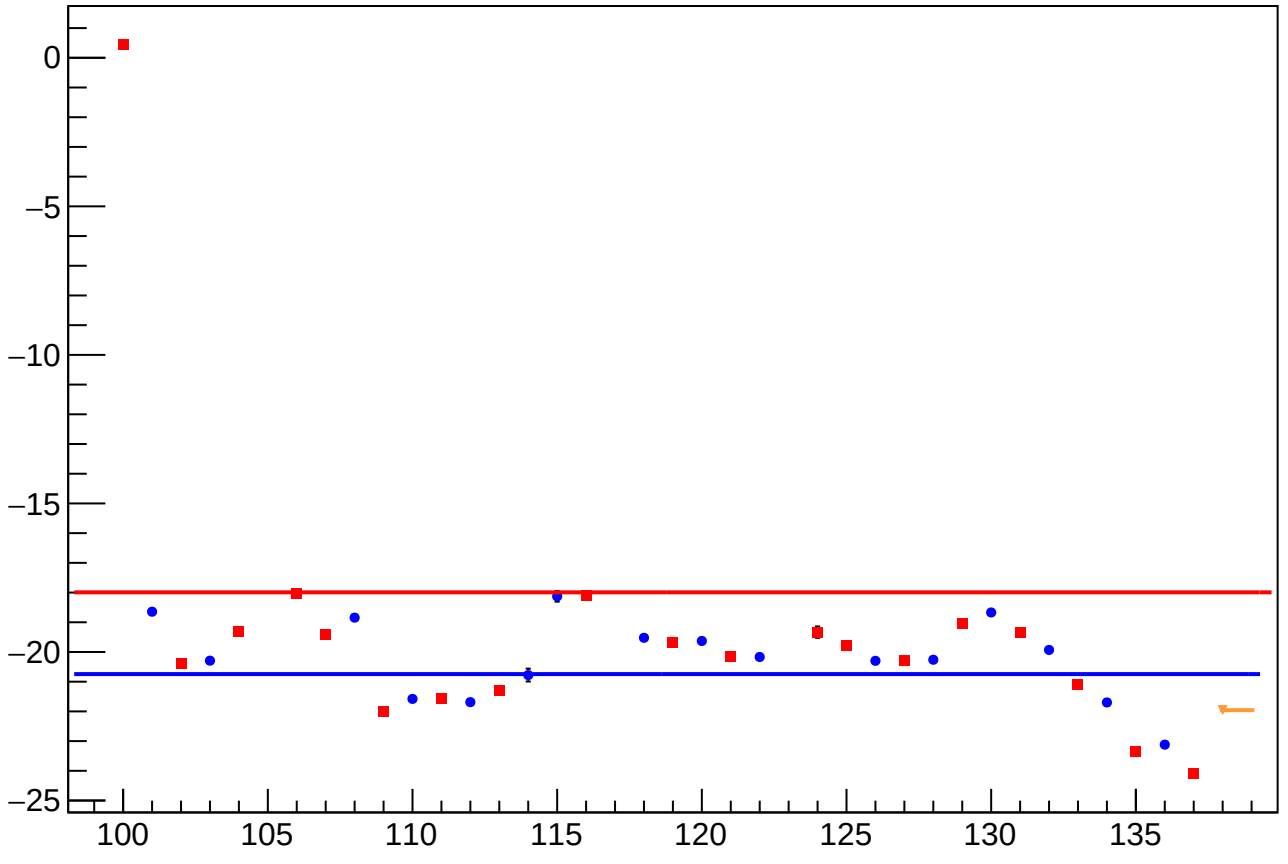
Left: 18.407+/-1.077 χ^2/NDF: 0.0/0

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 2.175+/-0.364 χ^2/NDF:290.3/15

Out: 2.262+/-0.343 χ^2/NDF:504.4/19

All: 2.221+/-0.250 χ^2/NDF: 794.7/35



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -21.958+/-0.039 χ^2/NDF:0.0/0

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

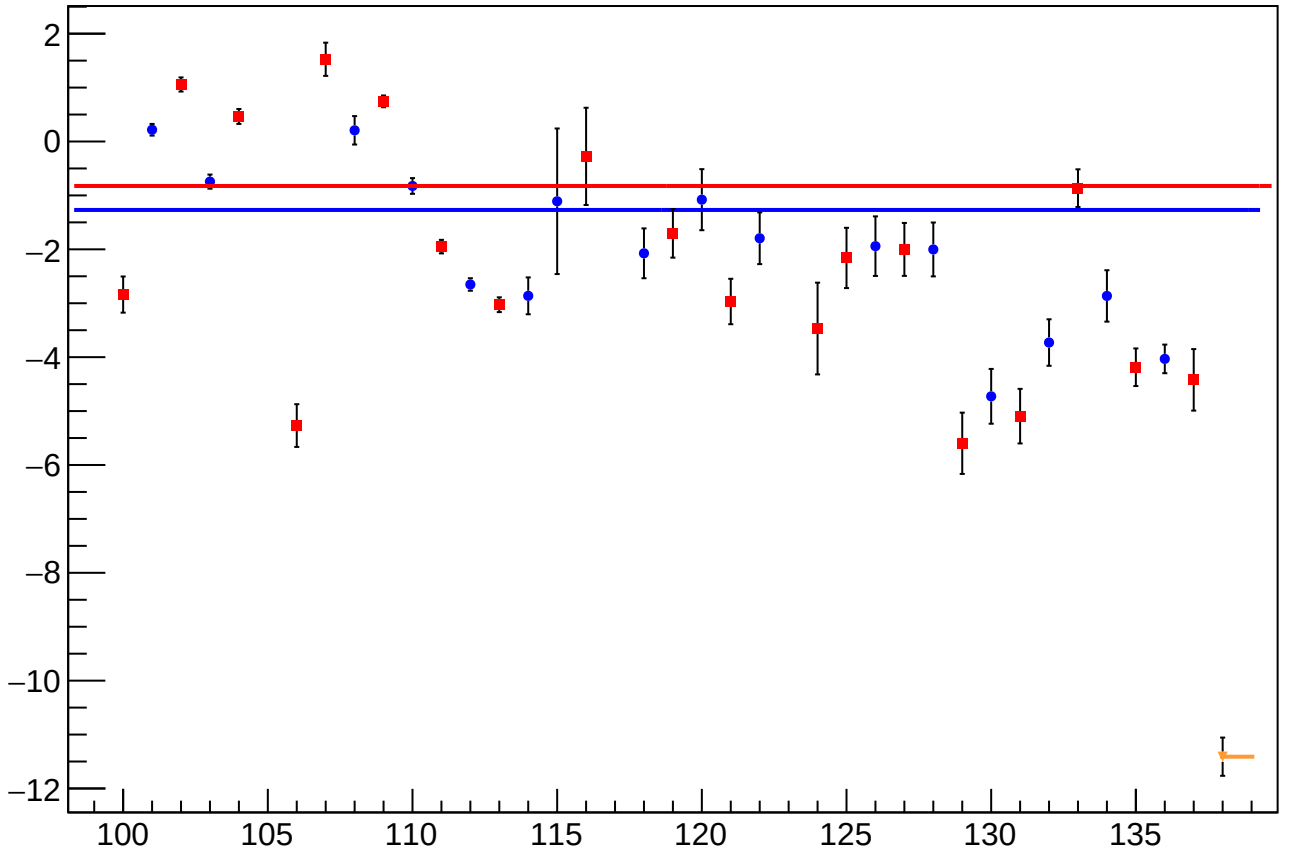
Left: -21.958+/-0.039 χ^2/NDF: 0.0/0

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -20.745+/-0.019 χ^2/NDF:7513.6/15

Out: -18.737+/-0.017 χ^2/NDF:158861.2/19

All: -19.607+/-0.013 χ^2/NDF: 172407.7/35



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -11.410+/-0.354 χ^2/NDF:0.0/0

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

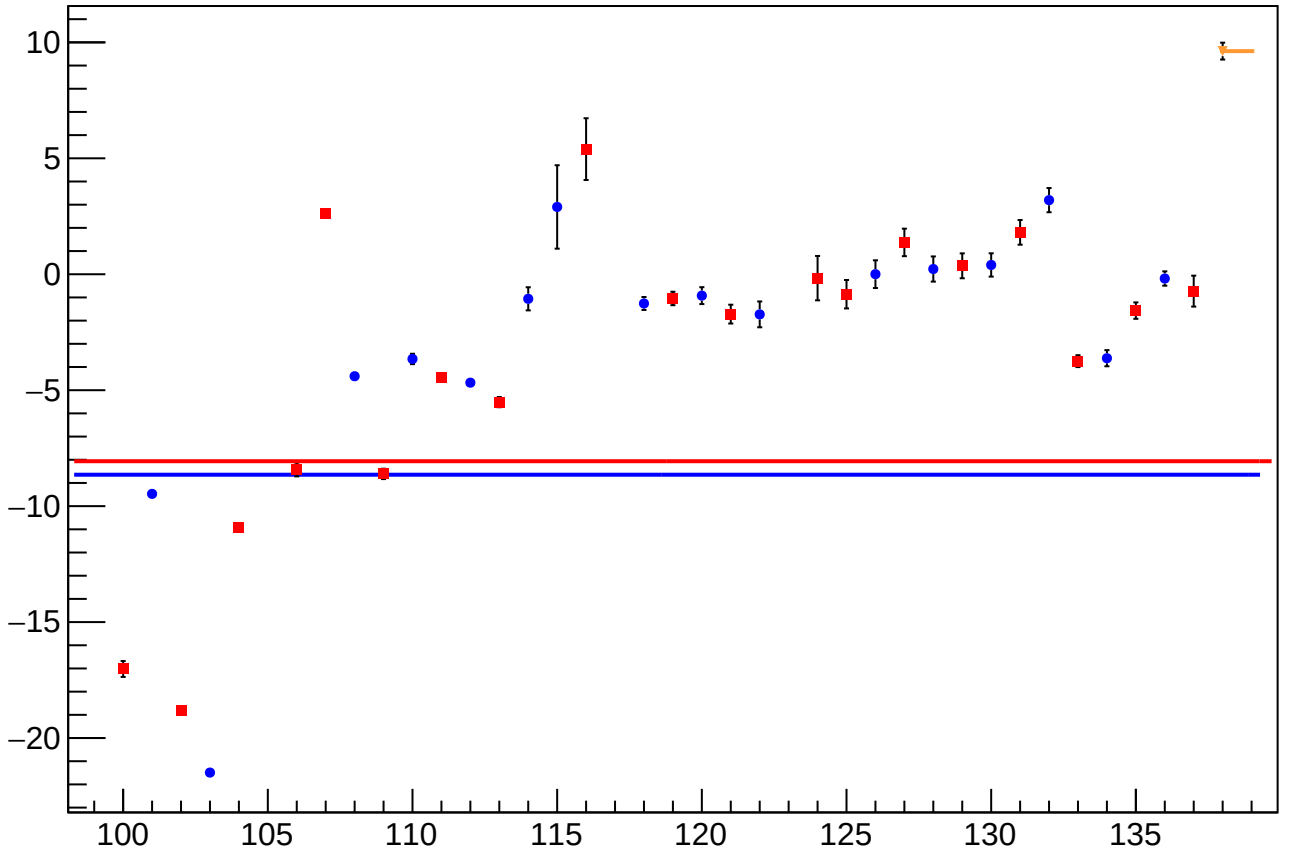
Left: -11.410+/-0.354 χ^2/NDF: 0.0/0

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.270+/-0.055 χ^2/NDF:616.5/15

Out: -1.040+/-0.051 χ^2/NDF:2258.3/19

All: -1.146+/-0.037 χ^2/NDF: 2884.3/35



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 9.623+/-0.364 χ^2/NDF:0.0/0

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9.623+/-0.364 χ^2/NDF: 0.0/0

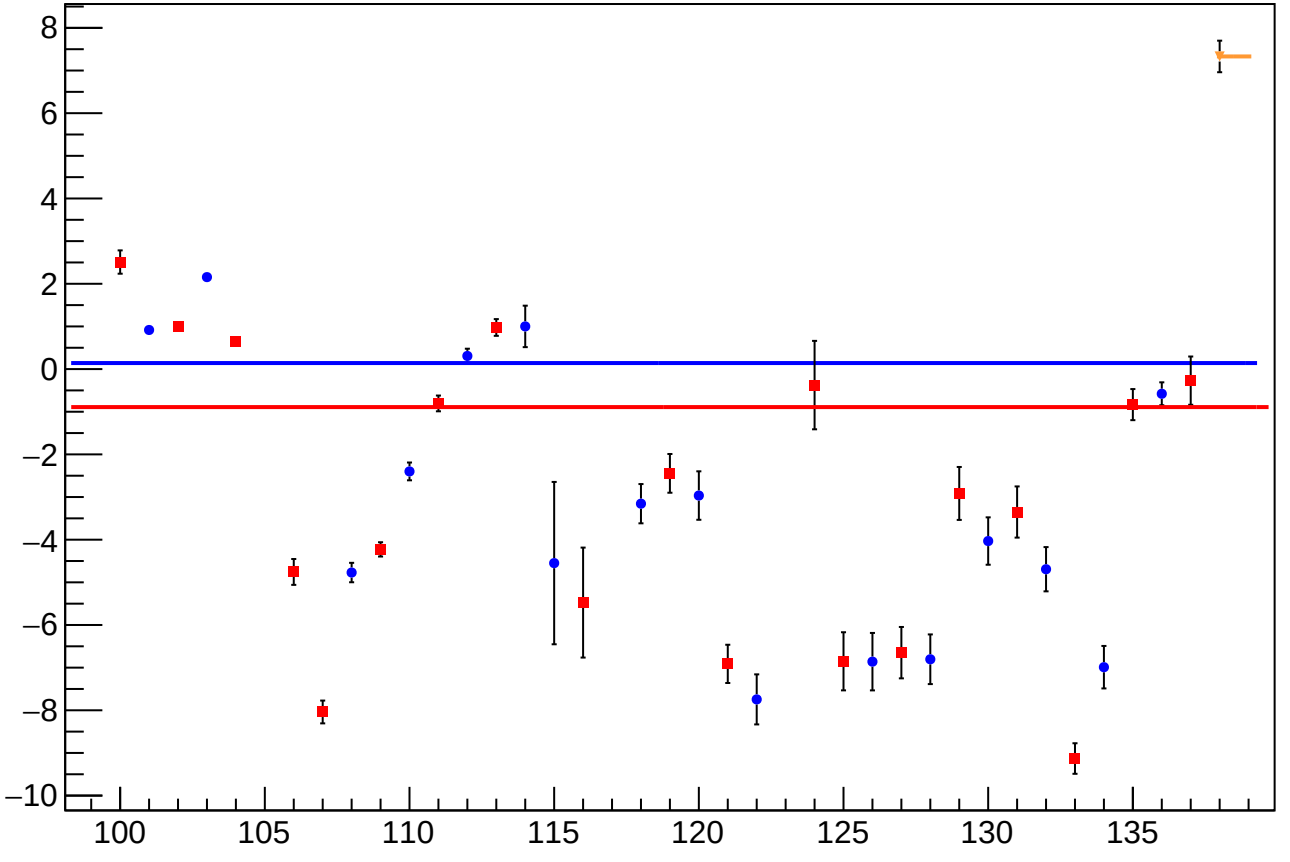
Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -8.645+/-0.057 χ^2/NDF:13827.6/15

Out: -7.632+/-0.057 χ^2/NDF:16731.7/19

All: -8.137+/-0.040 χ^2/NDF: 30717.9/35

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: 7.330+/-0.370 χ^2/NDF:0.0/0

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 7.330+/-0.370 χ^2/NDF: 0.0/0

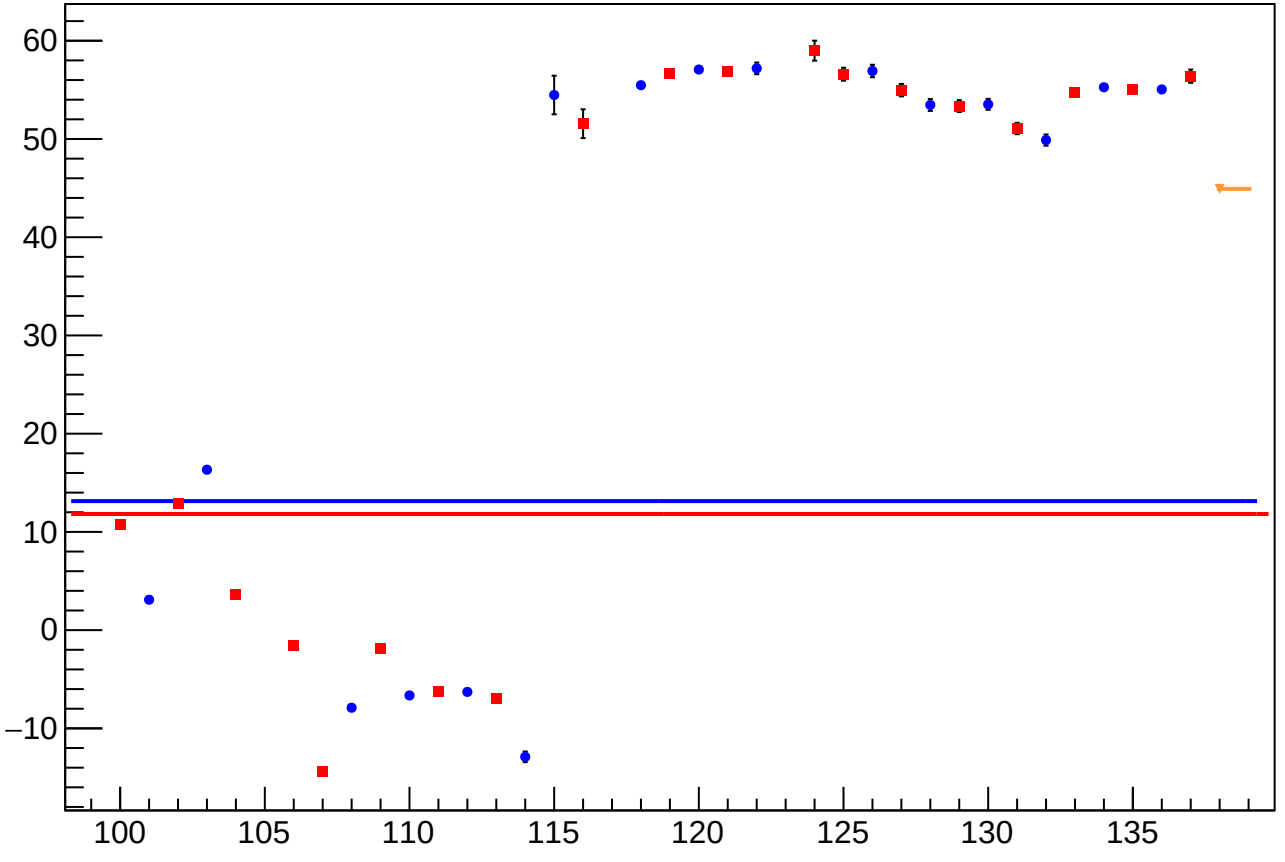
Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.141+/-0.053 χ^2/NDF:1959.8/15

Out: -0.722+/-0.053 χ^2/NDF:3469.4/19

All: -0.289+/-0.037 χ^2/NDF: 5561.8/35

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 44.920+/-0.412 χ^2/NDF:0.0/0

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

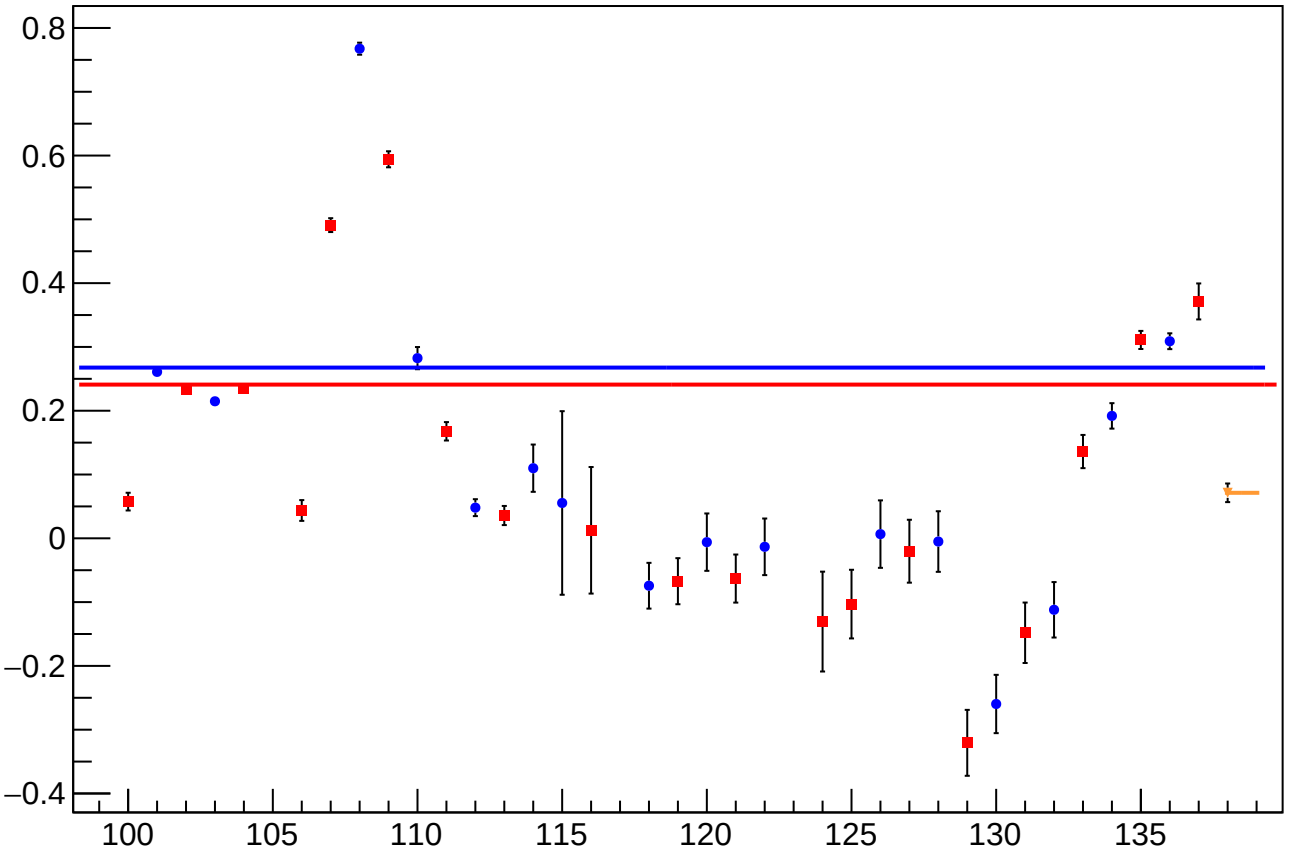
Left: 44.920+/-0.412 χ^2/NDF: 0.0/0

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 13.136+/-0.068 χ^2/NDF:108574.4/15

Out: 12.698+/-0.067 χ^2/NDF:124461.4/19

All: 12.914+/-0.048 χ^2/NDF: 233056.9/35



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.071+/-0.015 χ^2/NDF:0.0/0

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

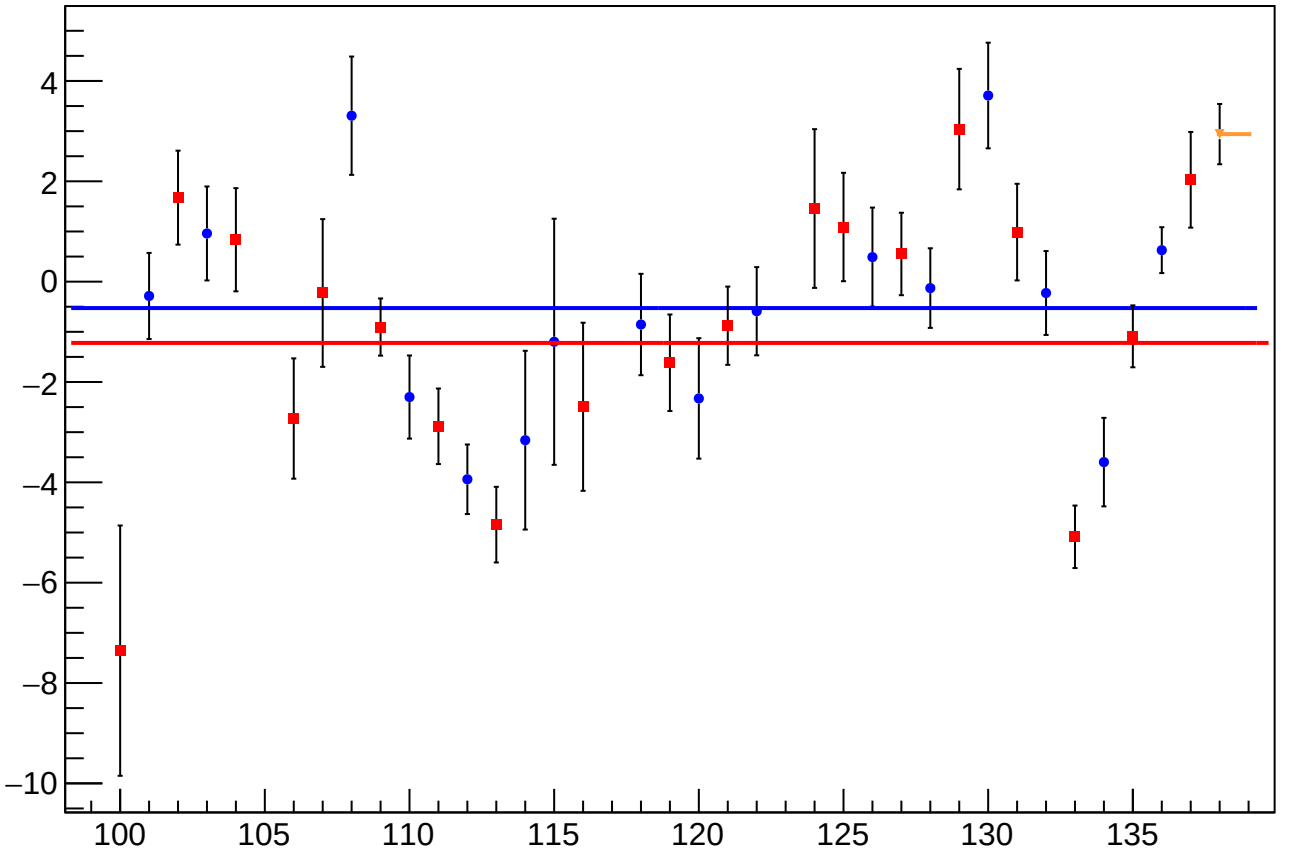
Left: 0.071+/-0.015 χ^2/NDF: 0.0/0

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.268+/-0.003 χ^2/NDF:3720.4/15

Out: 0.235+/-0.003 χ^2/NDF:2469.7/19

All: 0.251+/-0.002 χ^2/NDF: 6260.0/35



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 2.941+/-0.601 χ^2/NDF:0.0/0

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

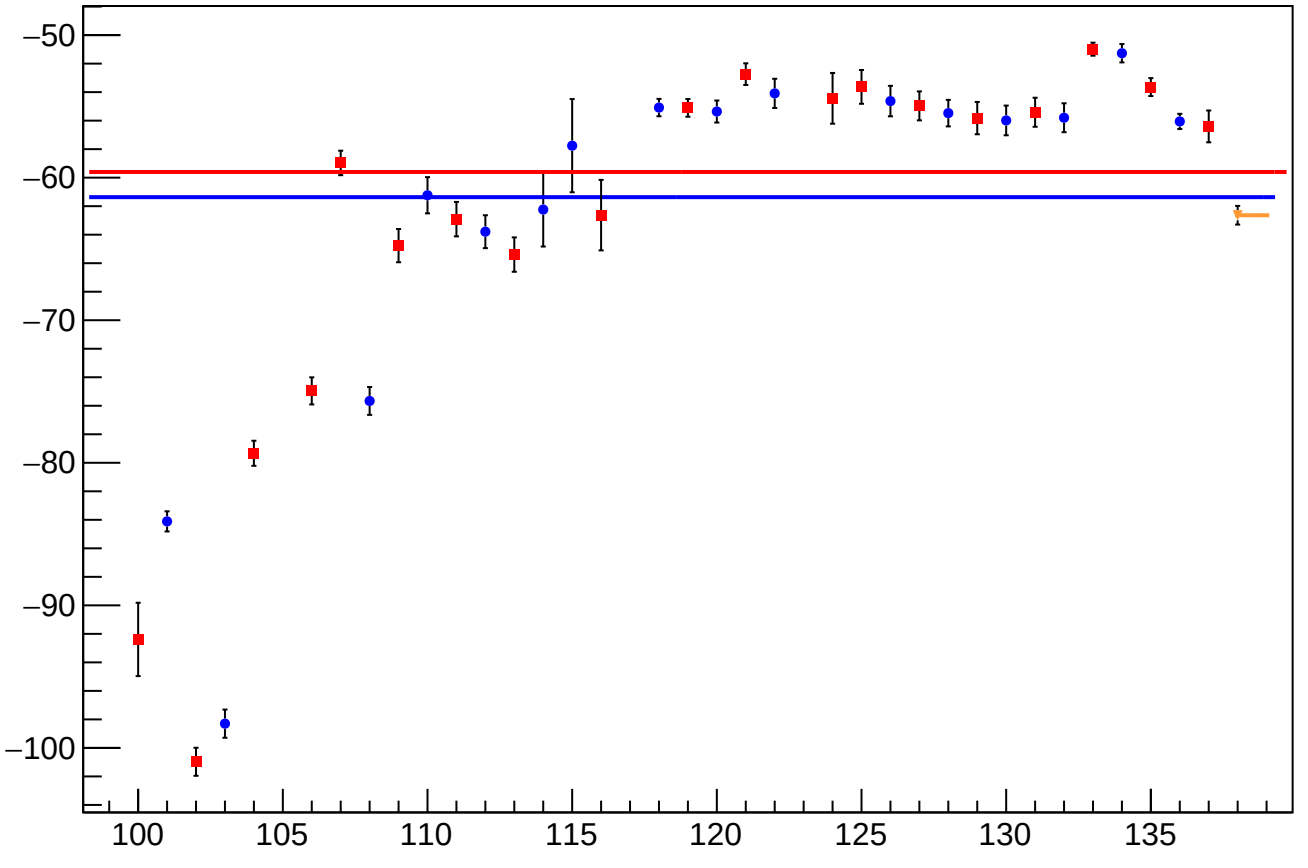
Left: 2.941+/-0.601 χ^2/NDF: 0.0/0

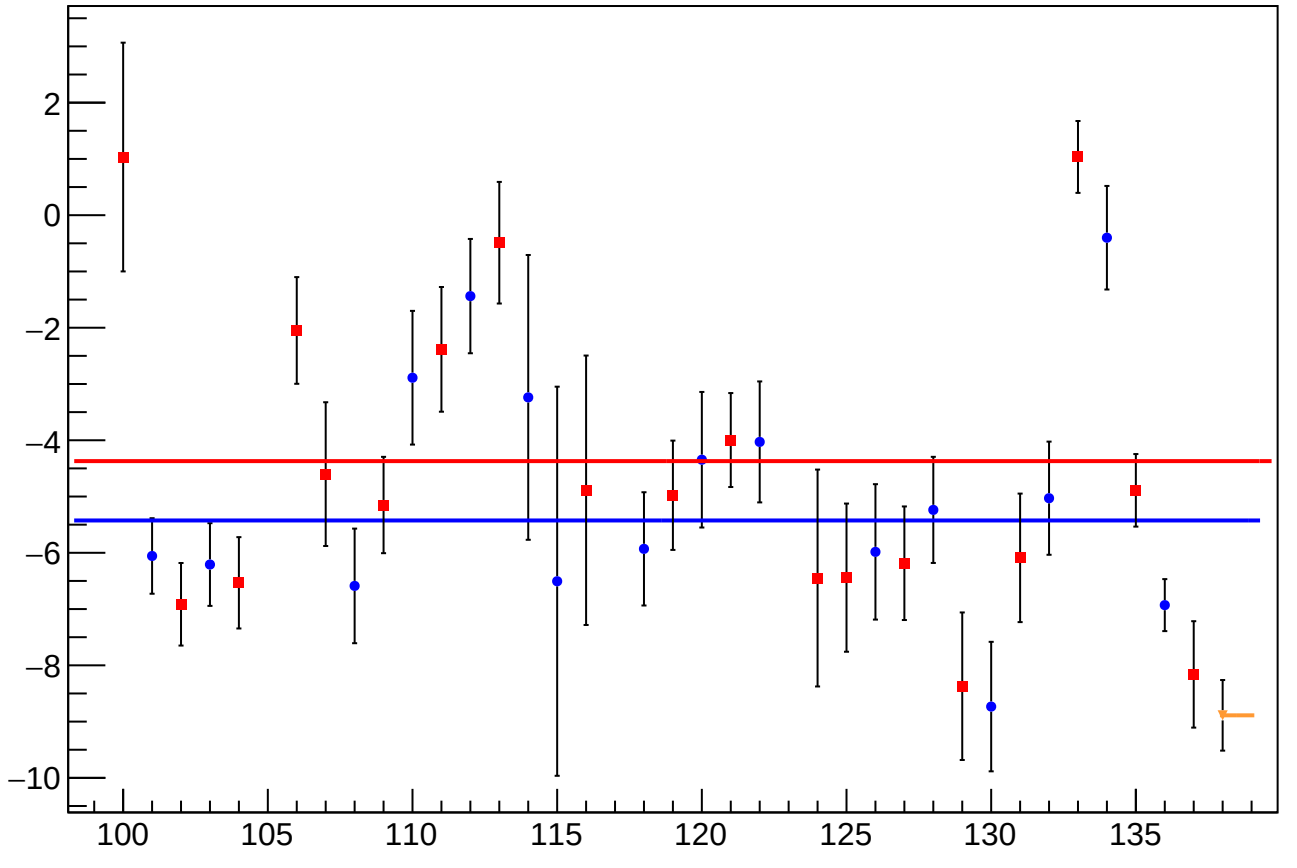
Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.527+/-0.217 χ^2/NDF:82.7/15

Out: -0.788+/-0.194 χ^2/NDF:173.9/19

All: -0.672+/-0.145 χ^2/NDF: 257.5/35


reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
105
110
115
120
125
130
135
Right In: -61.367+/-0.219 χ²/NDF: 3351.2/15
Left Out: -62.636+/-0.654 χ²/NDF:0.0/0
Right Out: -59.601+/-0.207 χ²/NDF: 3421.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -62.636+/-0.654 χ²/NDF: 0.0/0
Right: -60.433+/-0.150 χ²/NDF: 6806.9/34
In: -61.367+/-0.219 χ²/NDF:3351.2/15
Out: -59.877+/-0.197 χ²/NDF:3440.9/19
All: -60.543+/-0.146 χ²/NDF: 6817.7/35



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.889+/-0.627 χ^2/NDF:0.0/0

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -8.889+/-0.627 χ^2/NDF: 0.0/0

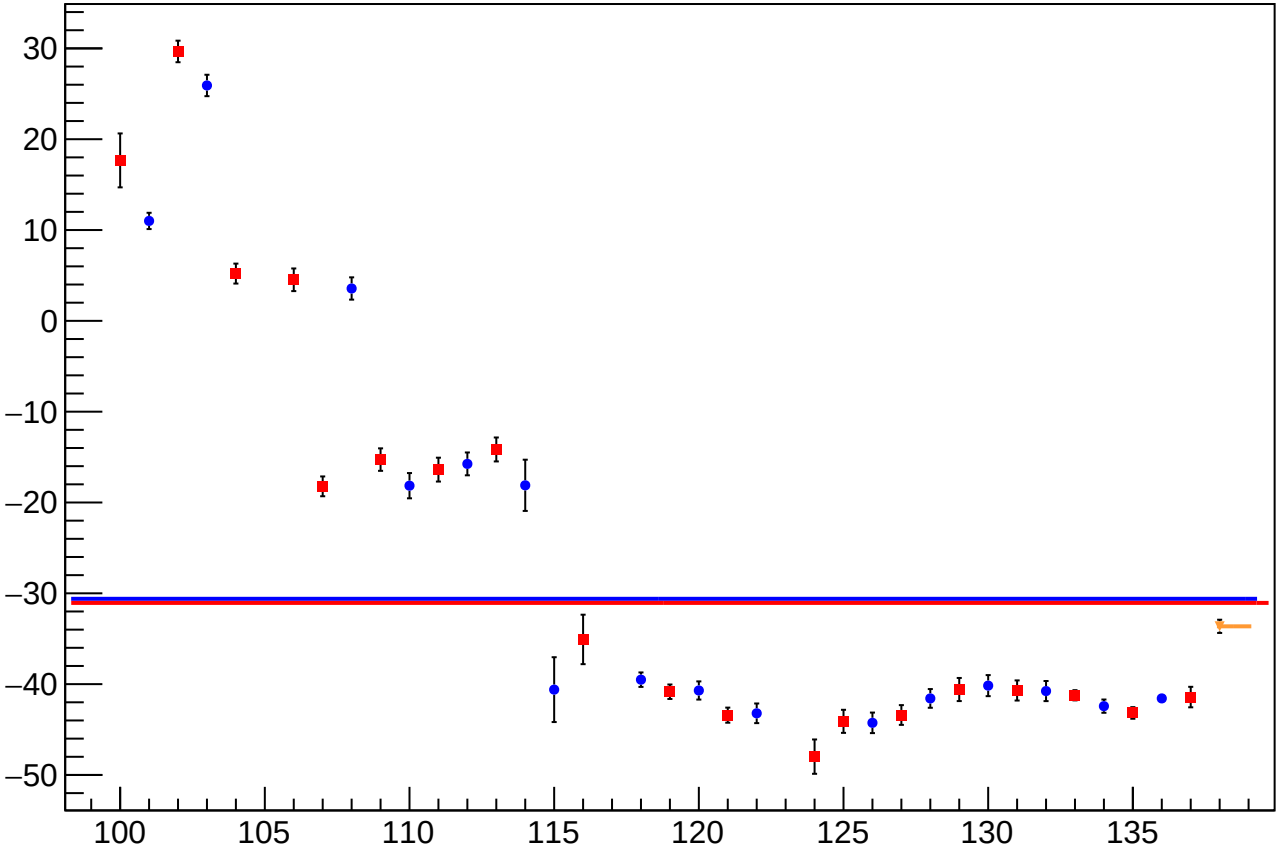
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -5.425+/-0.230 χ^2/NDF:76.0/15

Out: -4.875+/-0.210 χ^2/NDF:202.7/19

All: -5.125+/-0.155 χ^2/NDF: 281.7/35

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: -33.636+/-0.728 χ^2/NDF:0.0/0

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

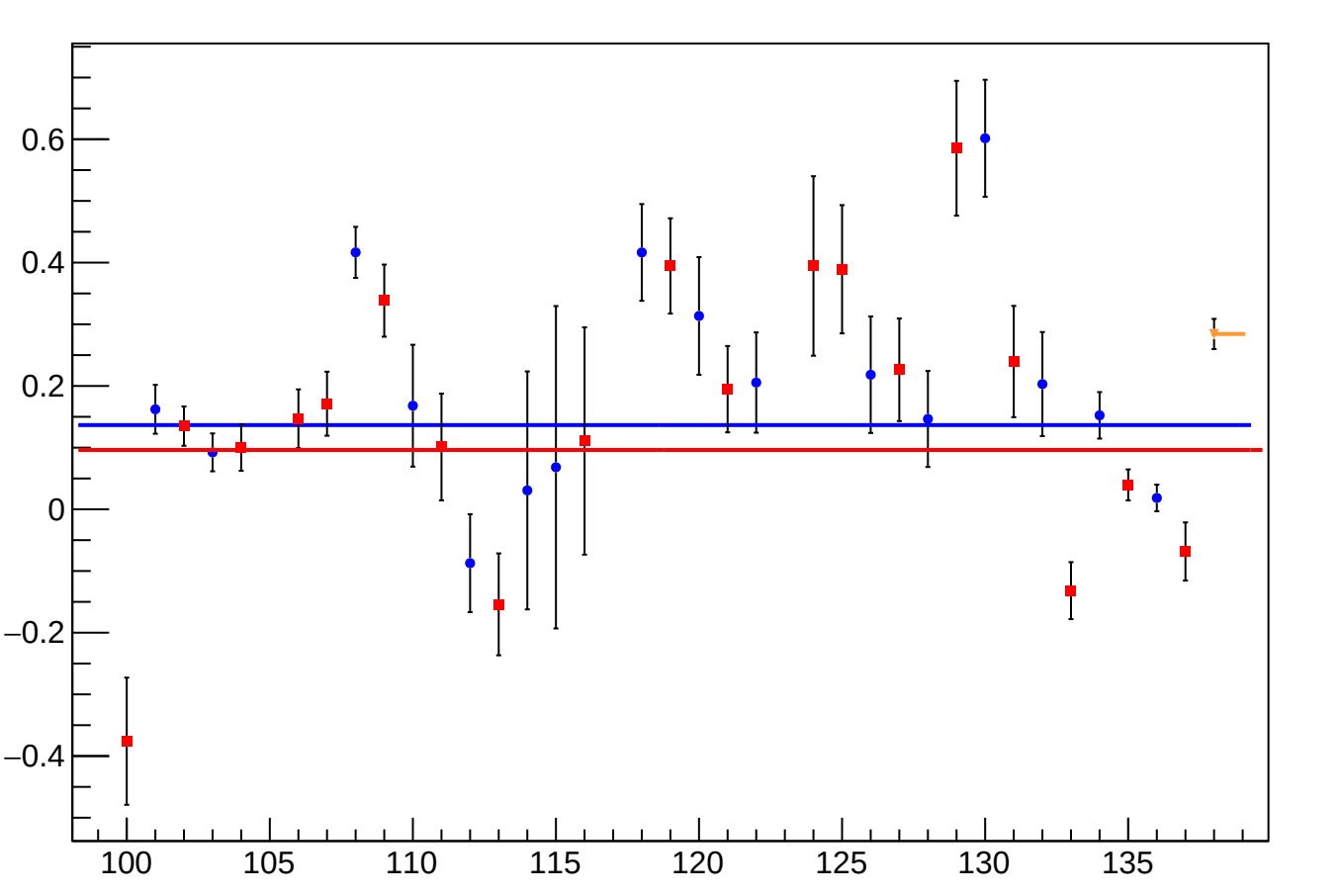
Left: -33.636+/-0.728 χ^2/NDF: 0.0/0

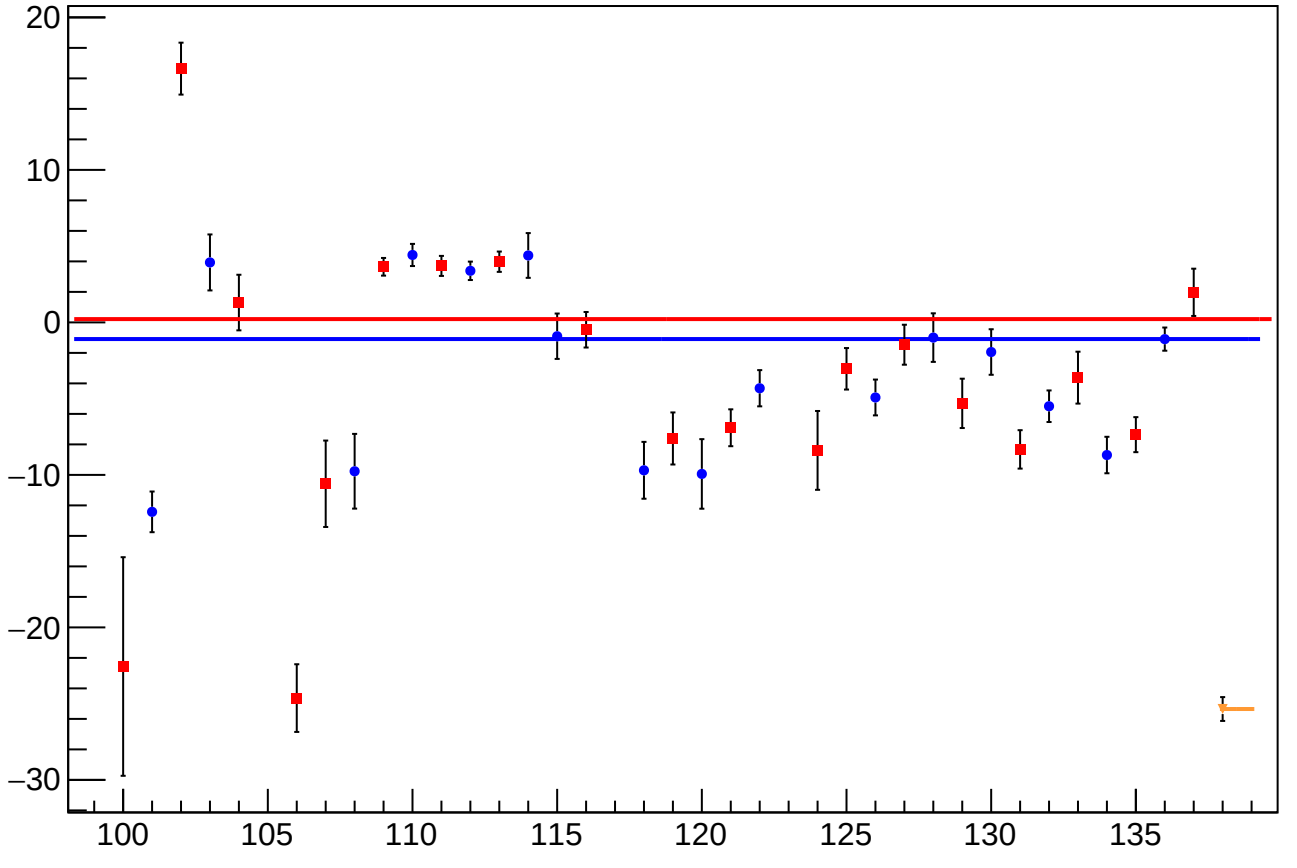
Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -30.605+/-0.249 χ^2/NDF:6938.0/15

Out: -31.304+/-0.226 χ^2/NDF:6987.8/19

All: -30.989+/-0.167 χ^2/NDF: 13930.1/35


reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
105
110
115
120
125
130
135
Right In: 0.137+/-0.013 χ²/NDF: 129.2/15
Left Out: 0.284+/-0.024 χ²/NDF:0.0/0
Right Out: 0.096+/-0.012 χ²/NDF: 147.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.284+/-0.024 χ²/NDF: 0.0/0
Right: 0.116+/-0.009 χ²/NDF: 282.3/34
In: 0.137+/-0.013 χ²/NDF:129.2/15
Out: 0.134+/-0.011 χ²/NDF:194.8/19
All: 0.135+/-0.008 χ²/NDF: 324.1/35



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -25.352+/-0.781 χ^2/NDF:0.0/0

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

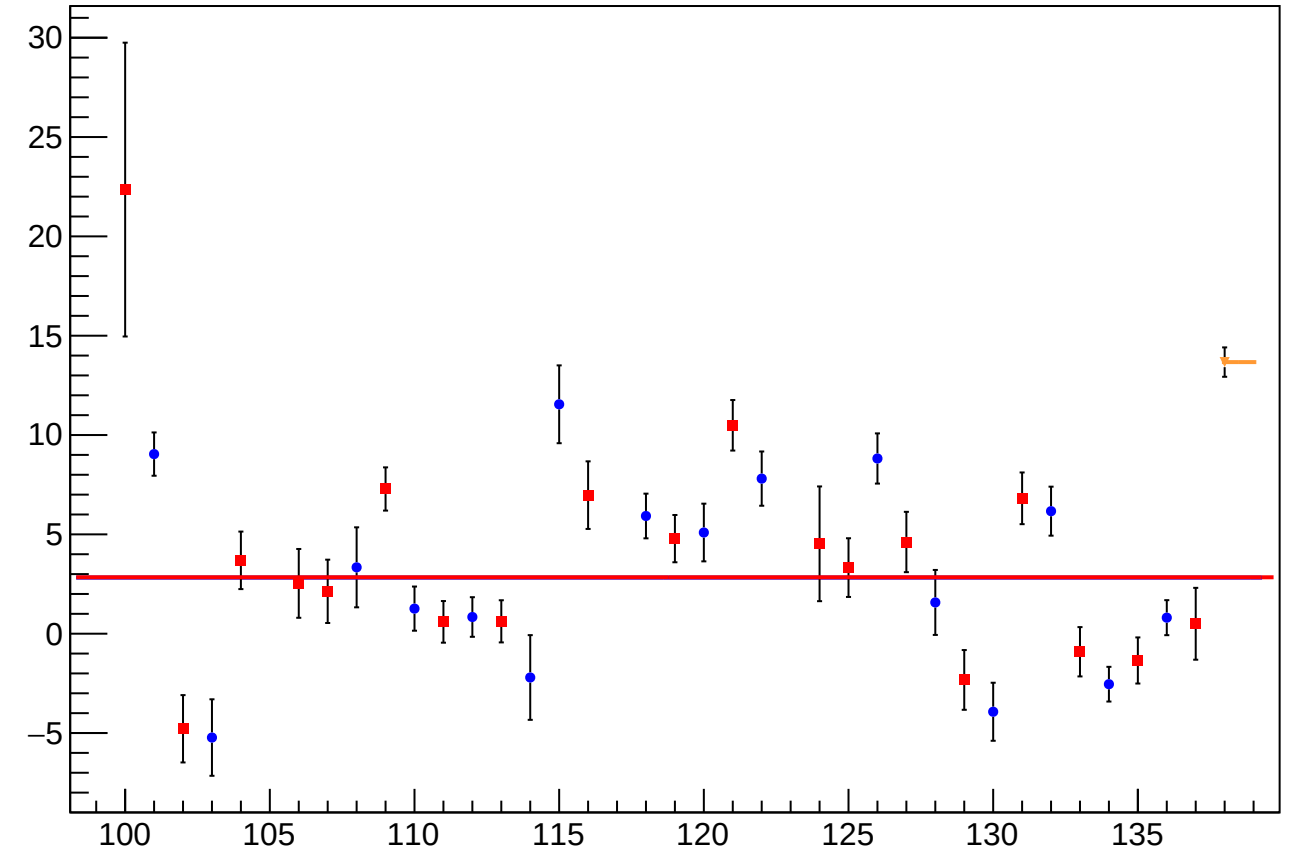
Left: -25.352+/-0.781 χ^2/NDF: 0.0/0

Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -1.092+/-0.281 χ^2/NDF:332.0/15

Out: -2.443+/-0.252 χ^2/NDF:1480.4/19

All: -1.840+/-0.187 χ^2/NDF: 1825.2/35



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 13.671+/-0.740 χ^2/NDF:0.0/0

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

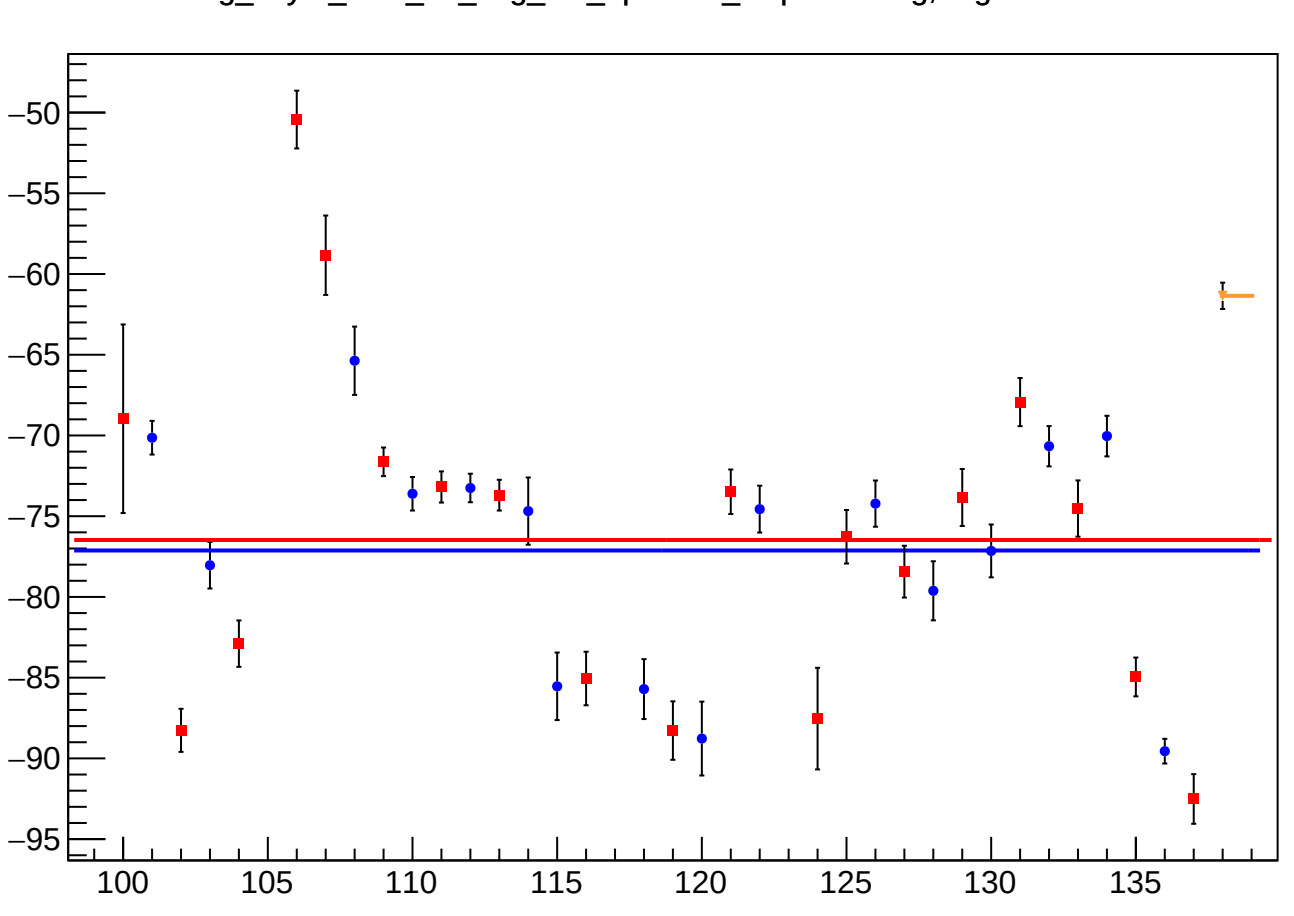
Left: 13.671+/-0.740 χ^2/NDF: 0.0/0

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 2.823+/-0.313 χ^2/NDF:199.6/15

Out: 4.569+/-0.295 χ^2/NDF:325.2/19

All: 3.747+/-0.215 χ^2/NDF: 541.2/35



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -61.351+/-0.815 χ^2/NDF:0.0/0

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

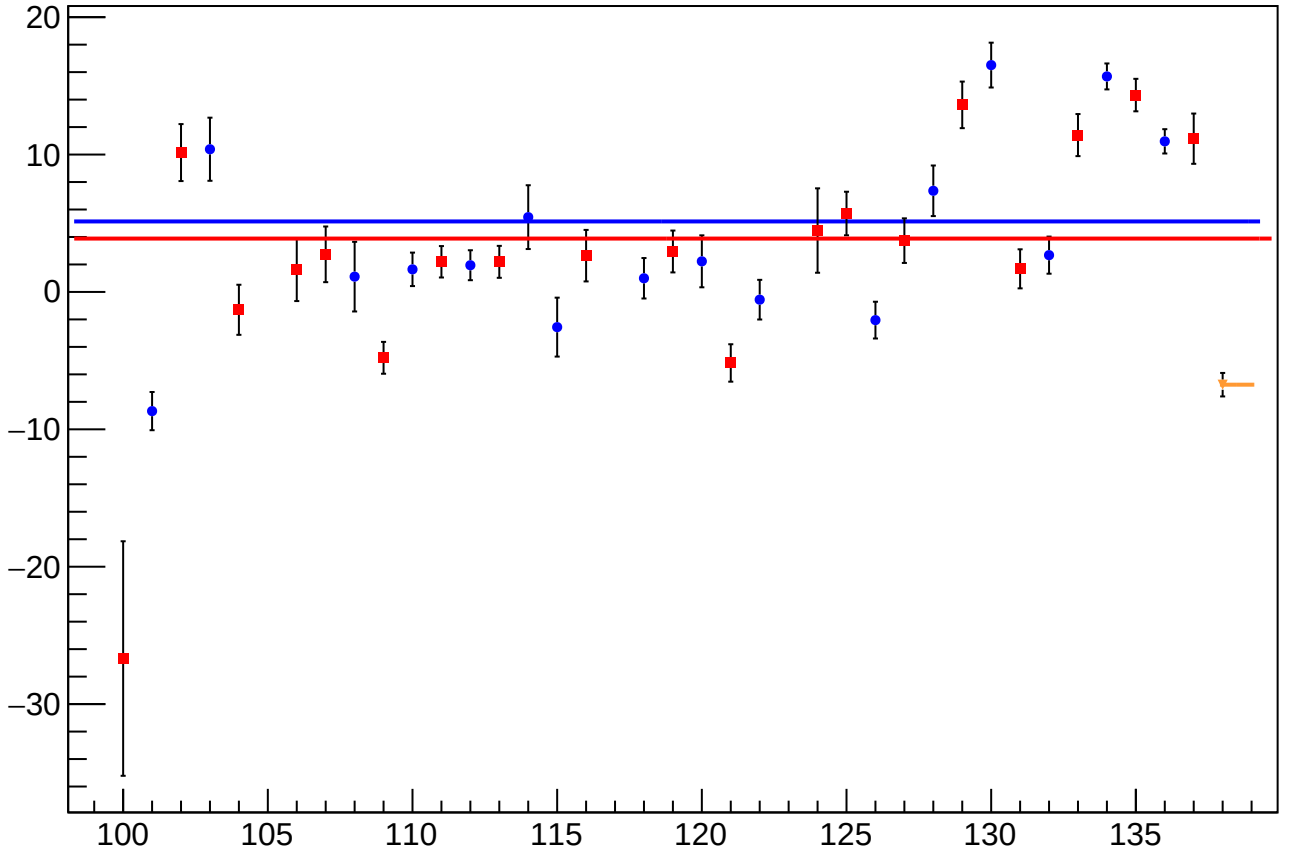
Left: -61.351+/-0.815 χ^2/NDF: 0.0/0

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -77.123+/-0.326 χ^2/NDF:503.3/15

Out: -74.360+/-0.305 χ^2/NDF:992.2/19

All: -75.647+/-0.223 χ^2/NDF: 1533.8/35



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: -6.751+/-0.855 χ^2/NDF:0.0/0

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

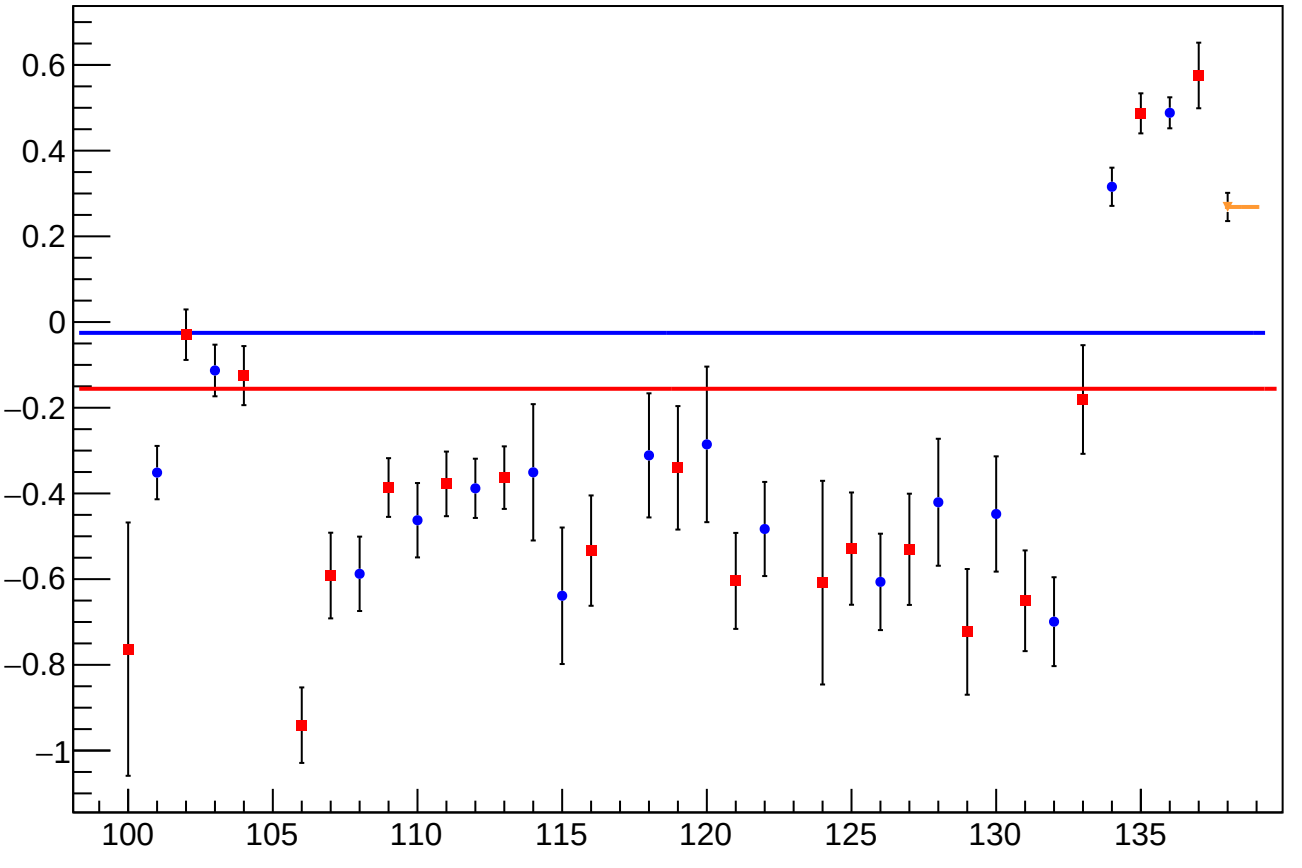
Left: -6.751+/-0.855 χ^2/NDF: 0.0/0

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 5.132+/-0.350 χ^2/NDF:412.3/15

Out: 2.273+/-0.333 χ^2/NDF:422.6/19

All: 3.633+/-0.241 χ^2/NDF: 870.0/35



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.269+/-0.033 χ^2/NDF:0.0/0

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

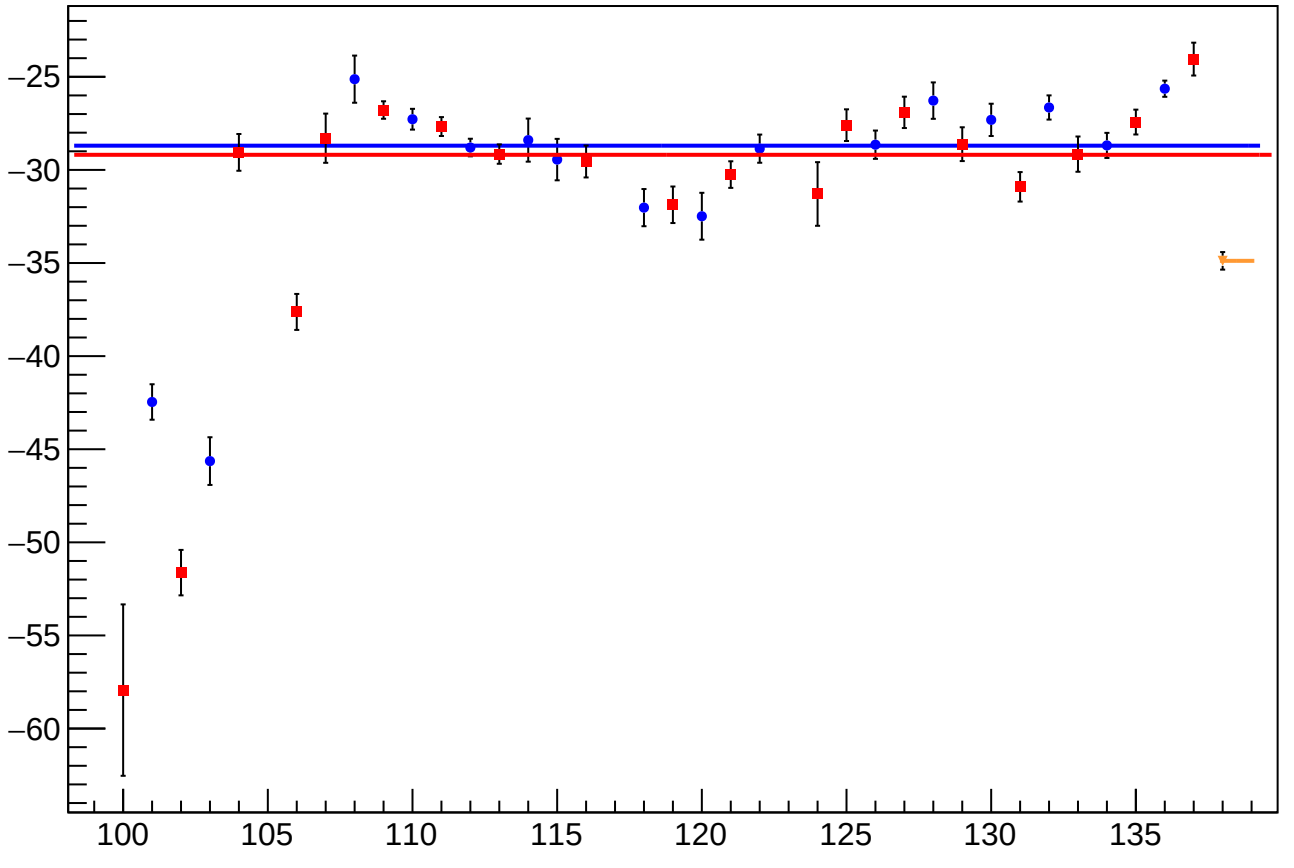
Left: 0.269+/-0.033 χ^2/NDF: 0.0/0

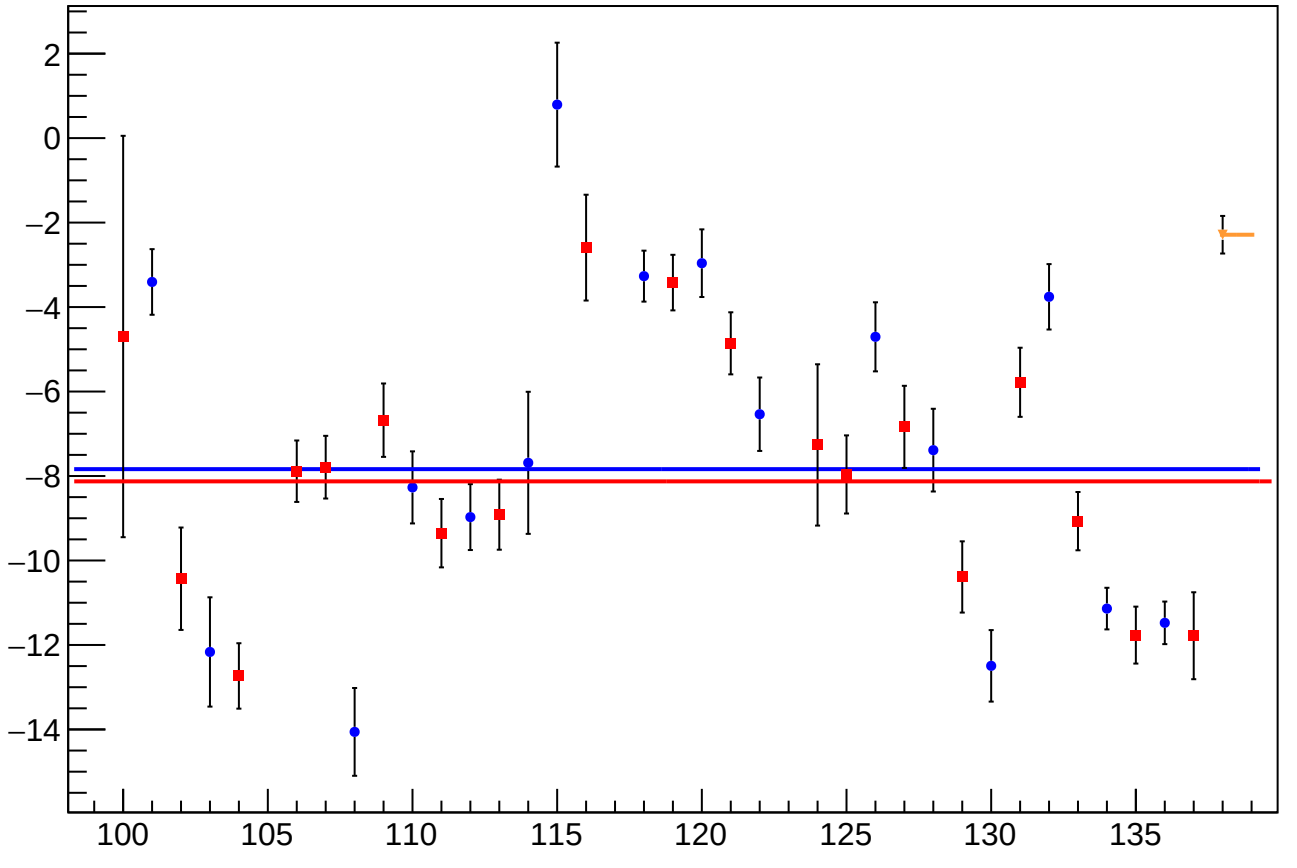
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: -0.025+/-0.019 χ^2/NDF:512.5/15

Out: -0.040+/-0.017 χ^2/NDF:615.5/19

All: -0.033+/-0.013 χ^2/NDF: 1128.2/35


reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−25
−30
−35
−40
−45
−50
−55
−60
100
105
110
115
120
125
130
135
Right In: -28.698+/-0.186 χ²/NDF: 487.3/15
Left Out: -34.883+/-0.471 χ²/NDF:0.0/0
Right Out: -29.189+/-0.181 χ²/NDF: 557.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -34.883+/-0.471 χ²/NDF: 0.0/0
Right: -28.950+/-0.130 χ²/NDF: 1048.2/34
In: -28.698+/-0.186 χ²/NDF:487.3/15
Out: -29.922+/-0.169 χ²/NDF:684.5/19
All: -29.368+/-0.125 χ²/NDF: 1195.5/35



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -2.287+/-0.445 χ^2/NDF:0.0/0

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

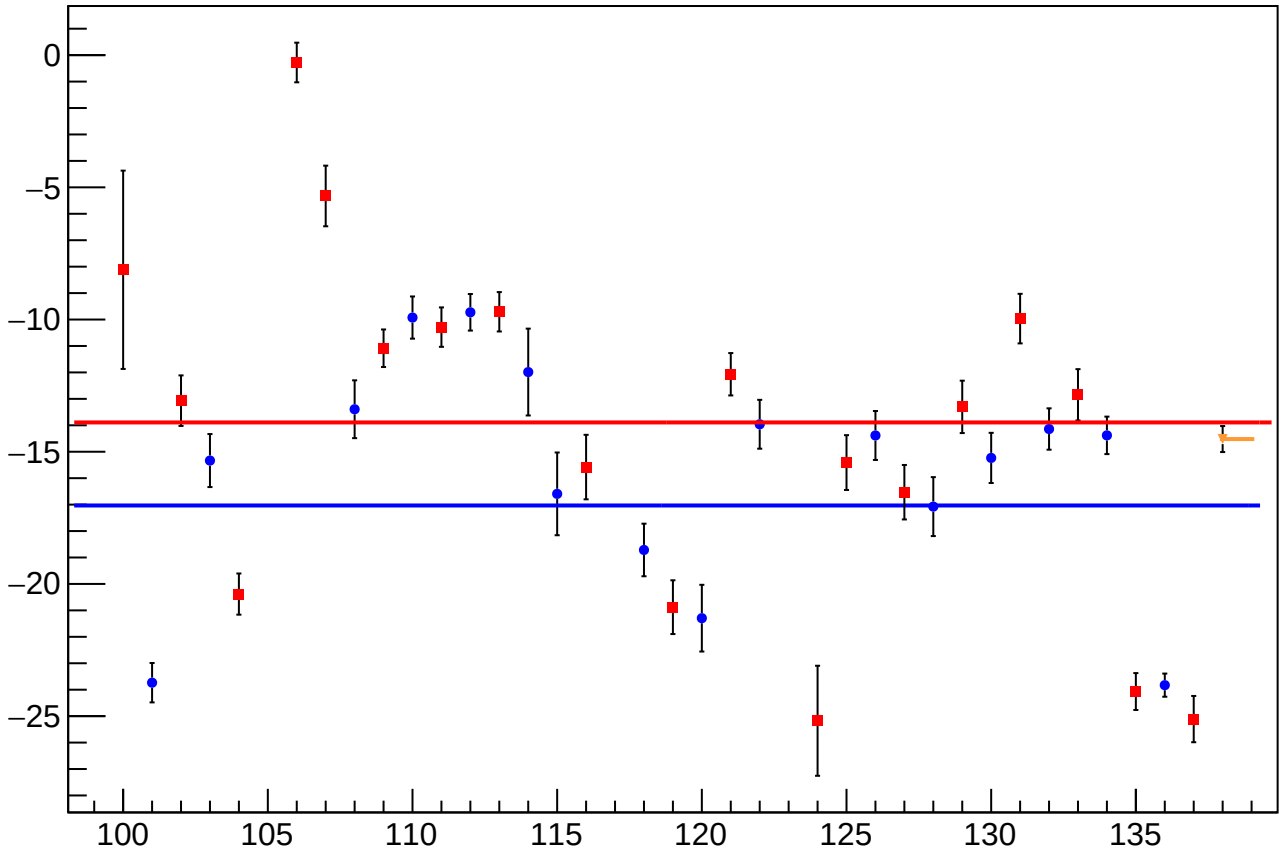
Left: -2.287+/-0.445 χ^2/NDF: 0.0/0

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.837+/-0.195 χ^2/NDF:383.2/15

Out: -7.173+/-0.180 χ^2/NDF:341.3/19

All: -7.478+/-0.132 χ^2/NDF: 730.8/35



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -14.520+/-0.491 χ^2/NDF:0.0/0

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

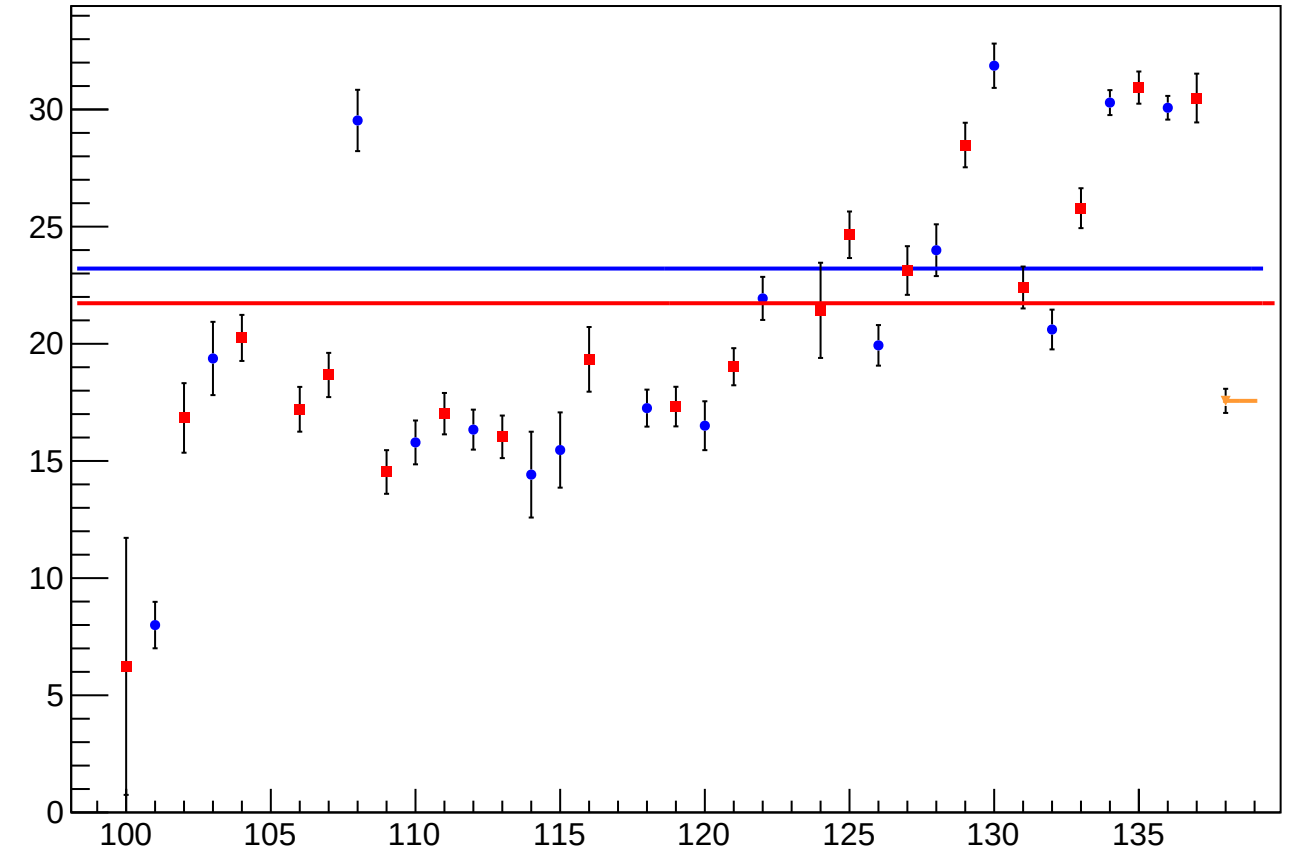
Left: -14.520+/-0.491 χ^2/NDF: 0.0/0

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -17.033+/-0.209 χ^2/NDF:601.2/15

Out: -13.988+/-0.193 χ^2/NDF:1018.8/19

All: -15.384+/-0.142 χ^2/NDF: 1734.5/35



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 17.565+/-0.515 χ^2/NDF:0.0/0

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

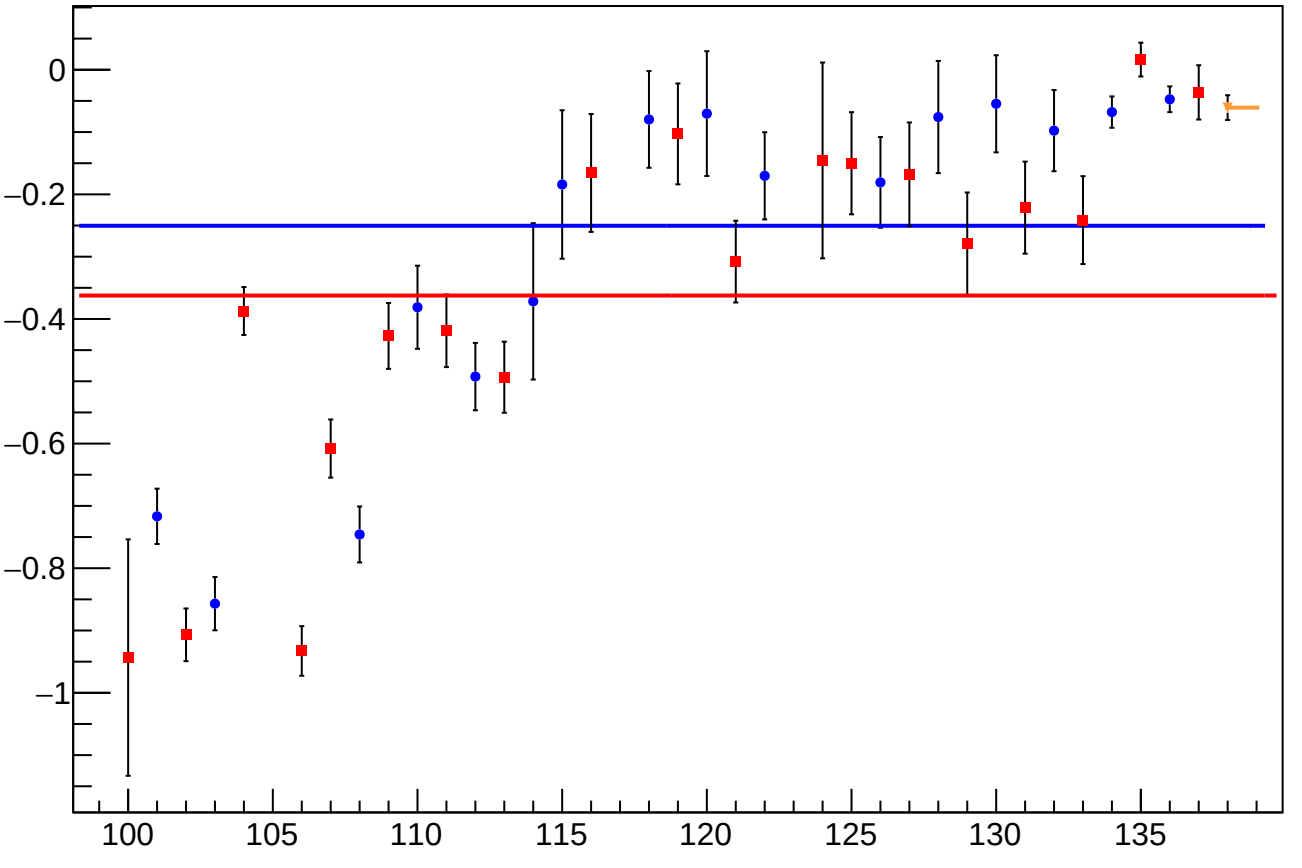
Left: 17.565+/-0.515 χ^2/NDF: 0.0/0

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.211+/-0.218 χ^2/NDF:1008.2/15

Out: 21.067+/-0.206 χ^2/NDF:613.2/19

All: 22.076+/-0.150 χ^2/NDF: 1672.6/35



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.061+/-0.020 χ^2/NDF:0.0/0

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

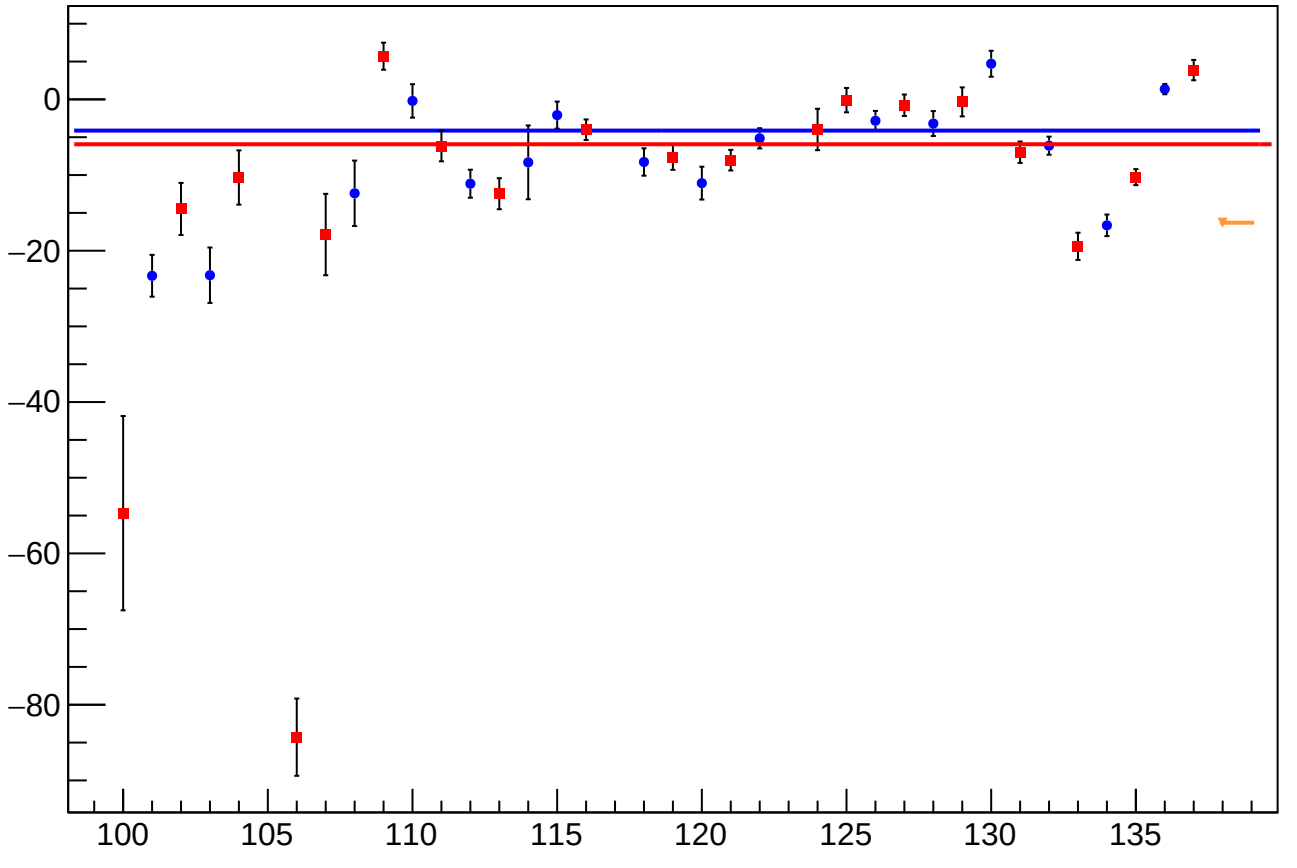
Left: -0.061+/-0.020 χ^2/NDF: 0.0/0

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.250+/-0.012 χ^2/NDF:633.5/15

Out: -0.278+/-0.010 χ^2/NDF:870.7/19

All: -0.266+/-0.008 χ^2/NDF: 1507.4/35



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -16.294+/-0.668 χ^2/NDF:0.0/0

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -16.294+/-0.668 χ^2/NDF: 0.0/0

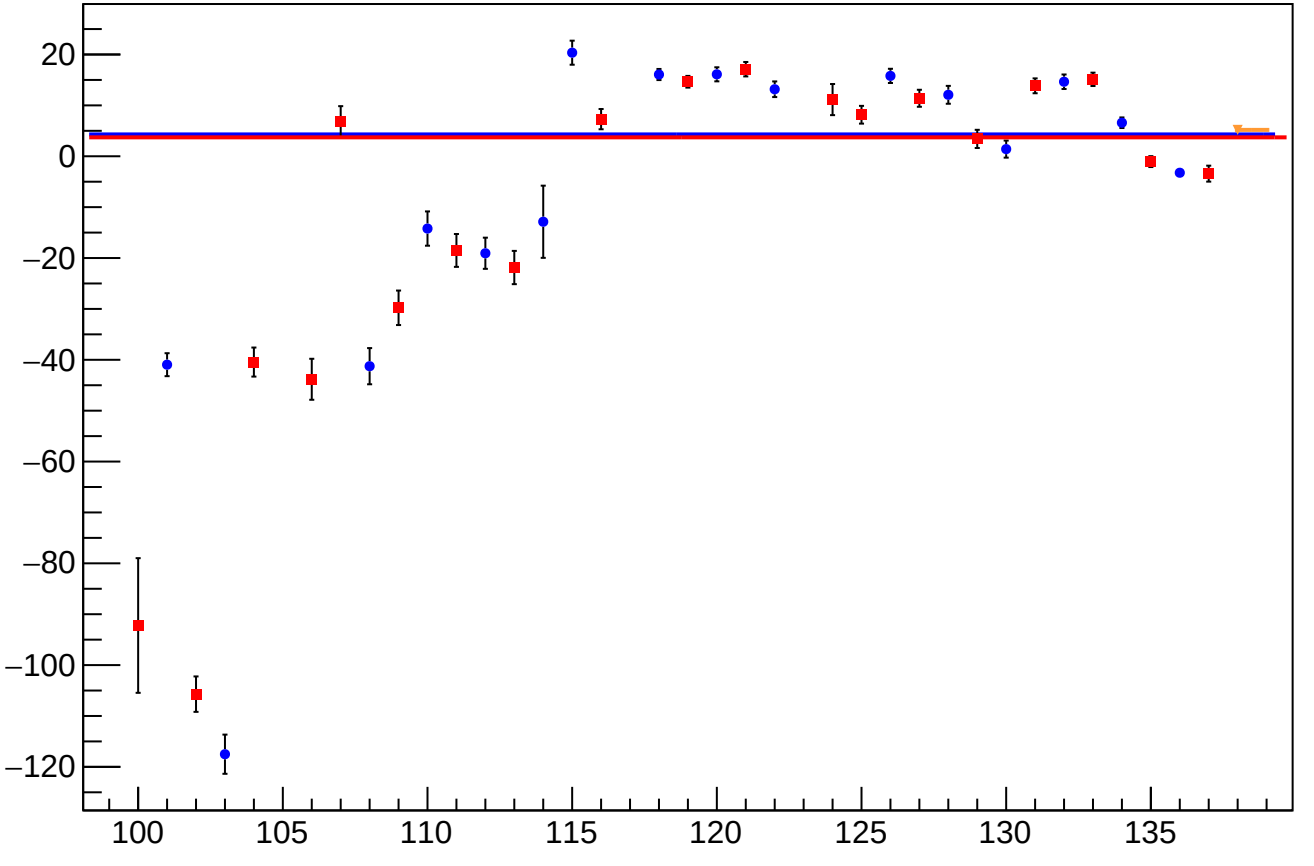
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -4.124+/-0.382 χ^2/NDF:287.9/15

Out: -8.741+/-0.348 χ^2/NDF:657.9/19

All: -6.645+/-0.257 χ^2/NDF: 1025.7/35

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.183+/-0.637 χ^2/NDF:0.0/0

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 5.183+/-0.637 χ^2/NDF: 0.0/0

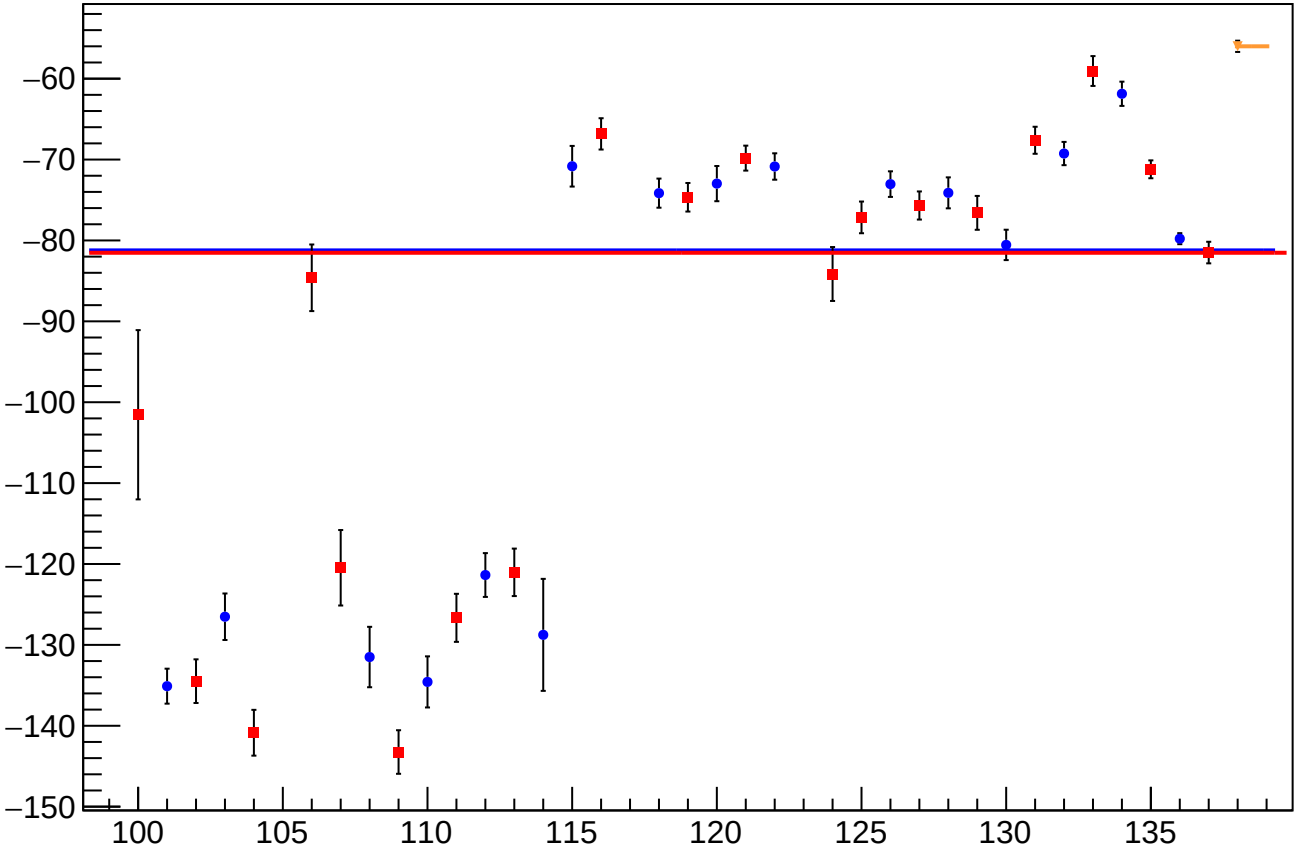
Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 4.292+/-0.385 χ^2/NDF:2169.1/15

Out: 4.165+/-0.352 χ^2/NDF:2010.9/19

All: 4.223+/-0.260 χ^2/NDF: 4180.1/35

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -56.000+/-0.697 χ^2/NDF:0.0/0

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -56.000+/-0.697 χ^2/NDF: 0.0/0

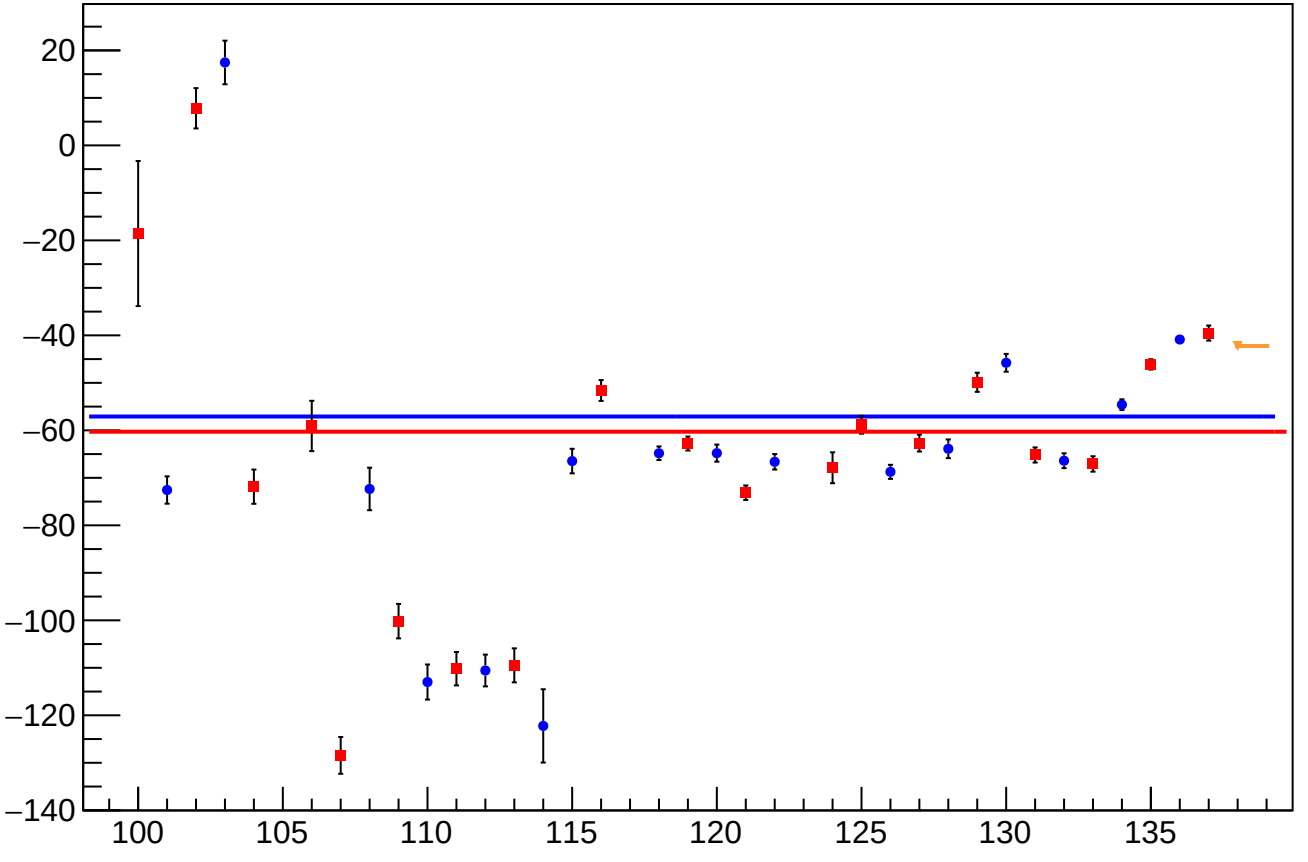
Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -81.231+/-0.417 χ^2/NDF:1971.1/15

Out: -73.744+/-0.385 χ^2/NDF:3225.0/19

All: -77.189+/-0.283 χ^2/NDF: 5370.3/35

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: -42.244+/-0.735 χ^2/NDF:0.0/0

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -42.244+/-0.735 χ^2/NDF: 0.0/0

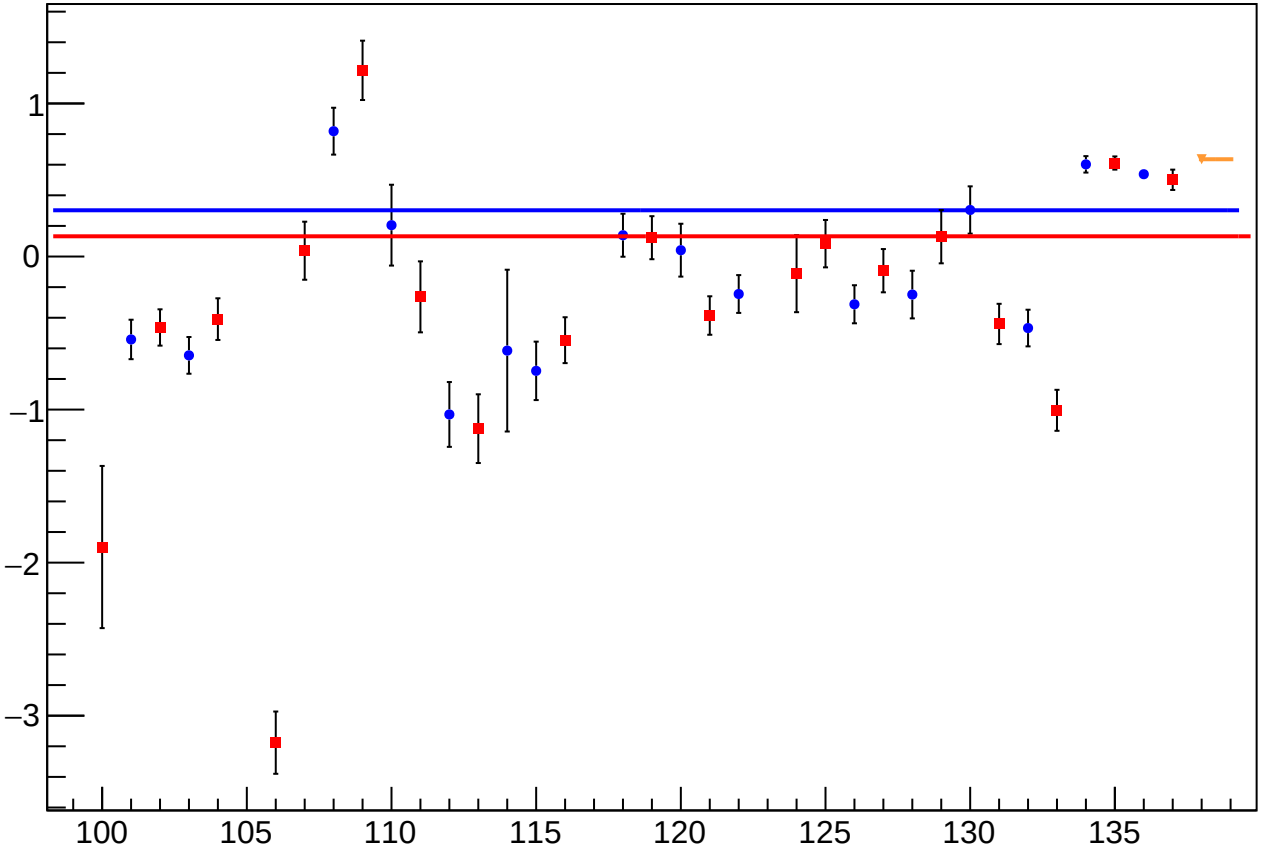
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -57.089+/-0.426 χ^2/NDF:1526.8/15

Out: -55.054+/-0.396 χ^2/NDF:2015.3/19

All: -55.998+/-0.290 χ^2/NDF: 3554.3/35

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: 0.636+/-0.028 χ^2/NDF:0.0/0

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

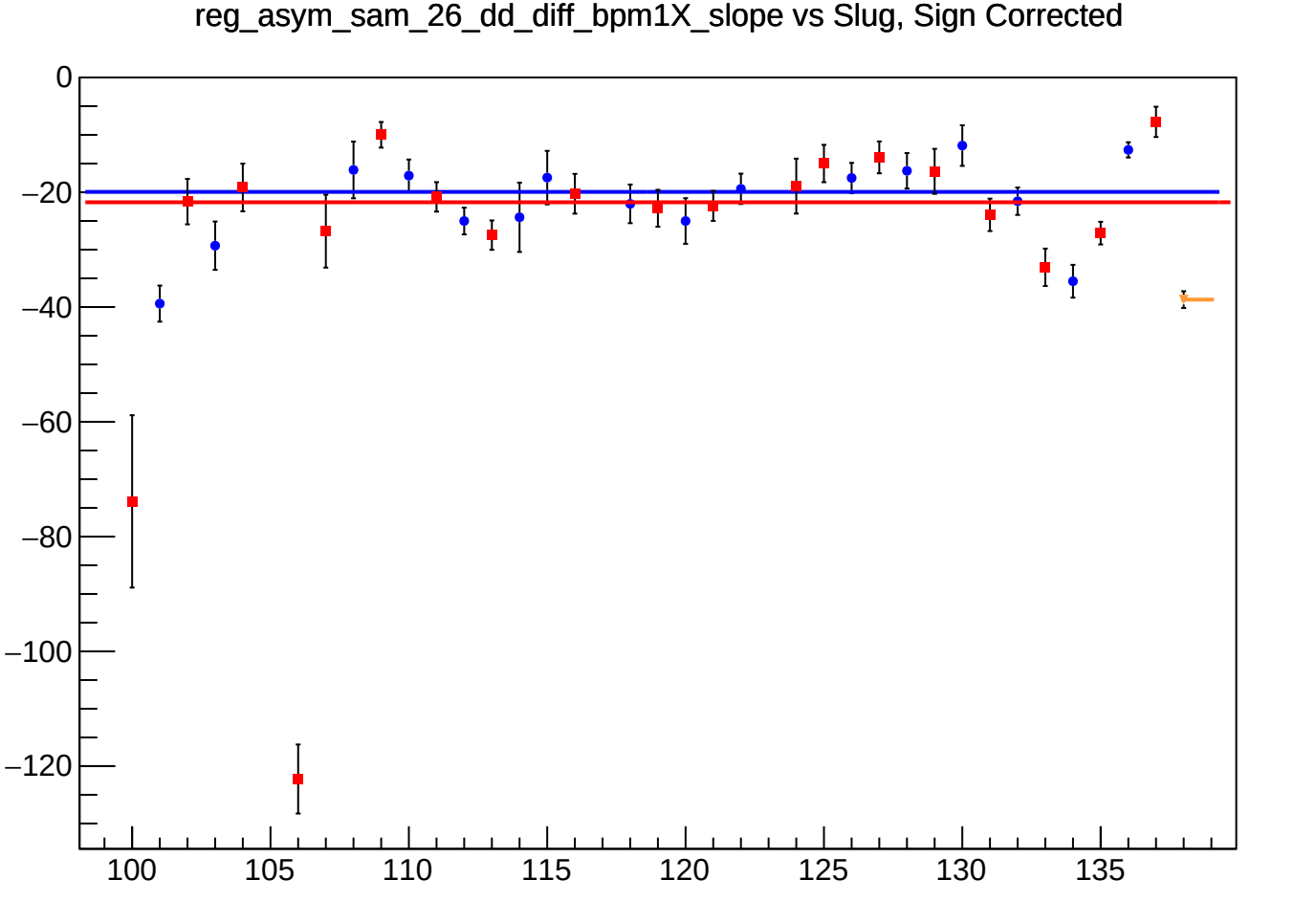
Left: 0.636+/-0.028 χ^2/NDF: 0.0/0

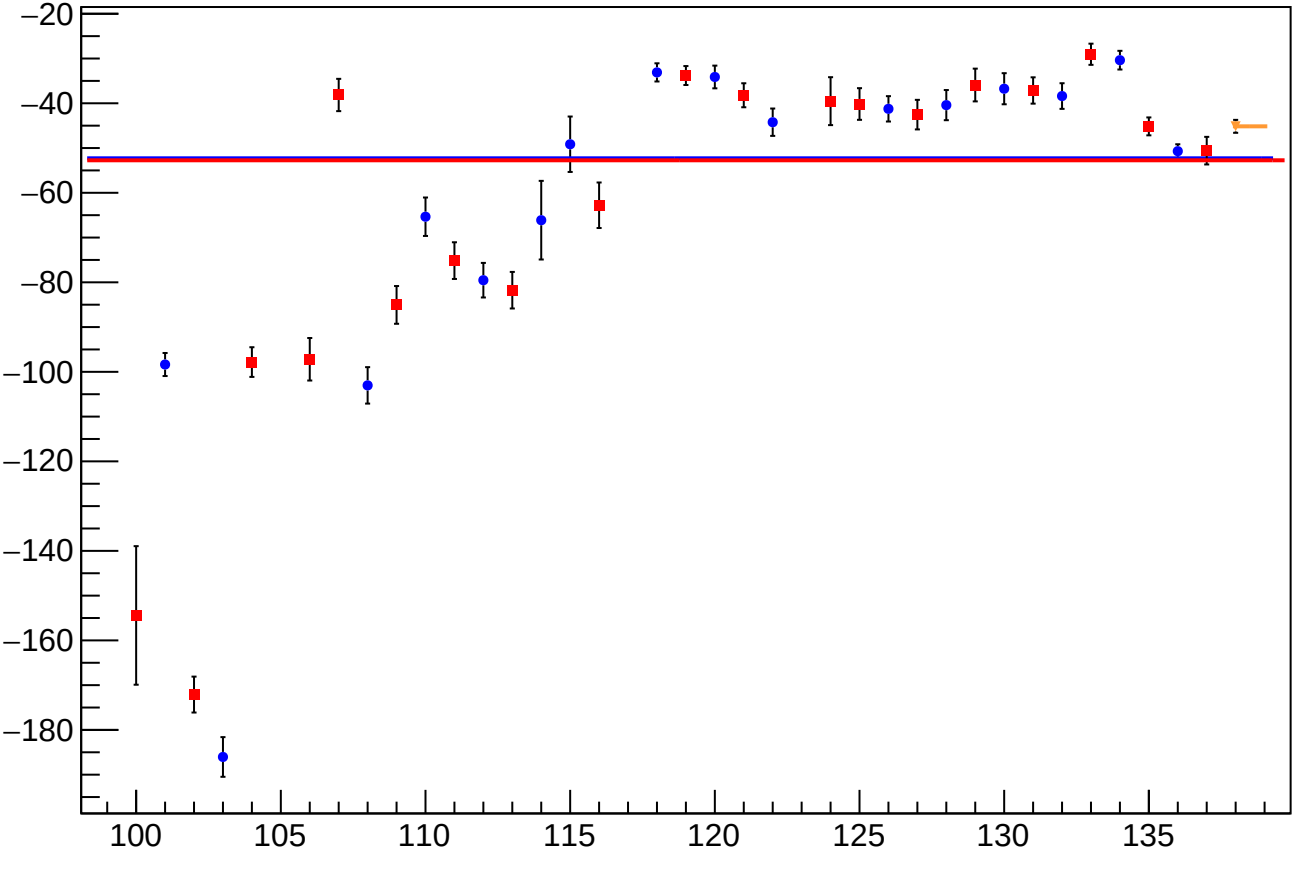
Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.302+/-0.023 χ^2/NDF:374.8/15

Out: 0.369+/-0.019 χ^2/NDF:841.9/19

All: 0.341+/-0.015 χ^2/NDF: 1221.6/35


reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
105
110
115
120
125
130
135
Right In: -19.935+/-0.695 χ²/NDF: 120.6/15
Left Out: -38.707+/-1.461 χ²/NDF:0.0/0
Right Out: -21.746+/-0.714 χ²/NDF: 388.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -38.707+/-1.461 χ²/NDF: 0.0/0
Right: -20.816+/-0.498 χ²/NDF: 512.2/34
In: -19.935+/-0.695 χ²/NDF:120.6/15
Out: -25.013+/-0.641 χ²/NDF:497.1/19
All: -22.677+/-0.471 χ²/NDF: 646.6/35



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -45.151+/-1.446 χ^2/NDF:0.0/0

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

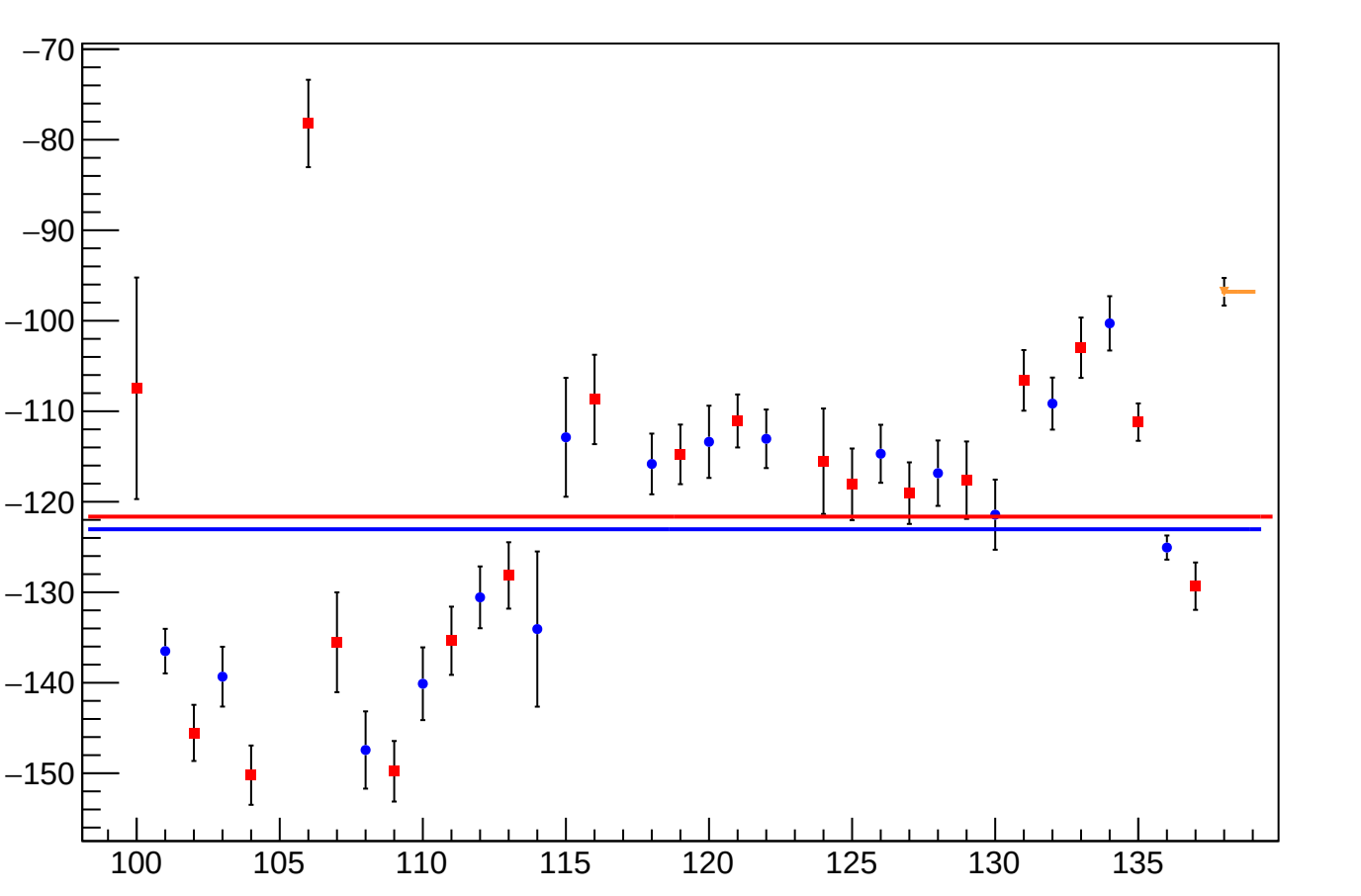
Left: -45.151+/-1.446 χ^2/NDF: 0.0/0

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -52.296+/-0.708 χ^2/NDF:1778.2/15

Out: -51.135+/-0.665 χ^2/NDF:1684.2/19

All: -51.679+/-0.485 χ^2/NDF: 3463.9/35



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -96.796+/-1.525 χ^2/NDF:0.0/0

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -96.796+/-1.525 χ^2/NDF: 0.0/0

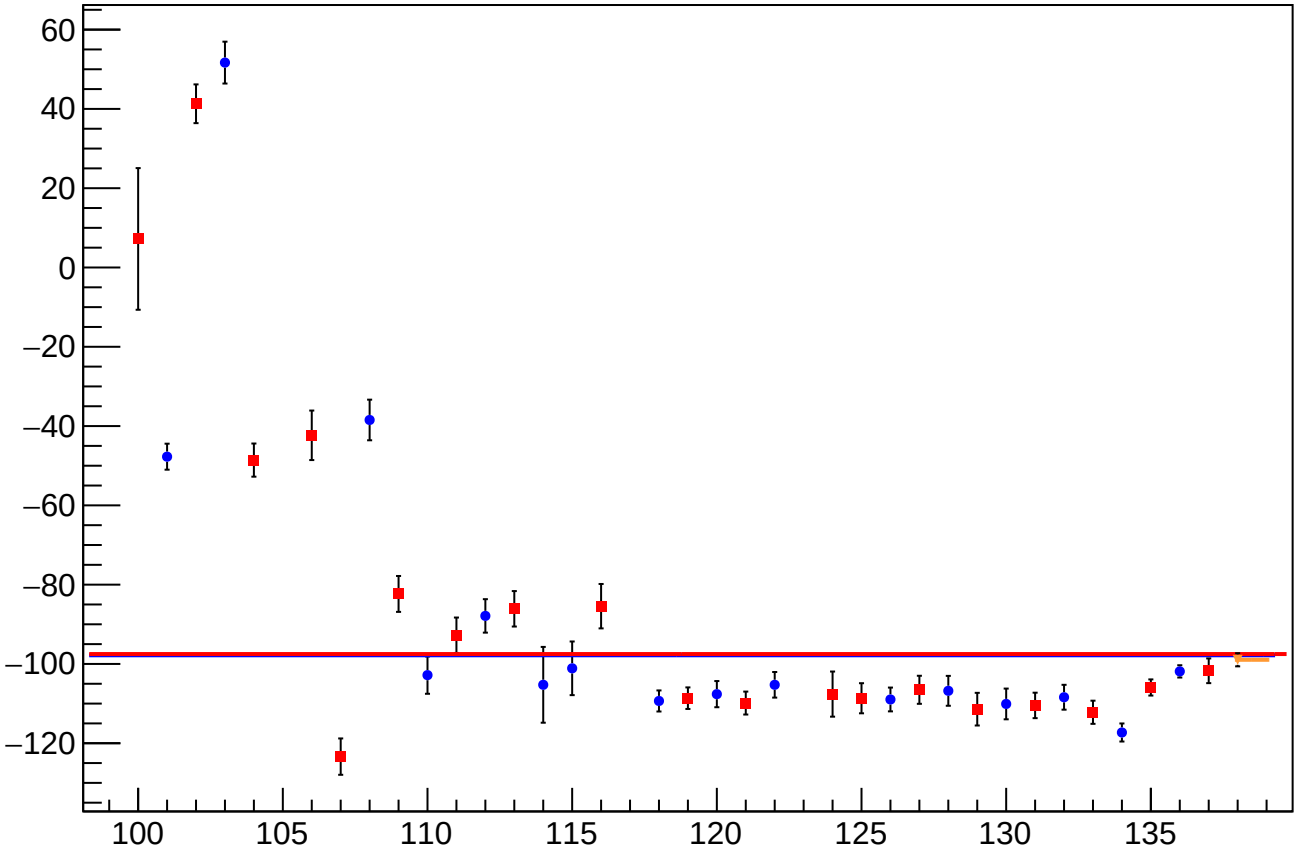
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -123.039+/-0.750 χ^2/NDF:226.8/15

Out: -116.268+/-0.709 χ^2/NDF:632.7/19

All: -119.465+/-0.515 χ^2/NDF: 902.5/35

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: -98.953+/-1.653 χ^2/NDF:0.0/0

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

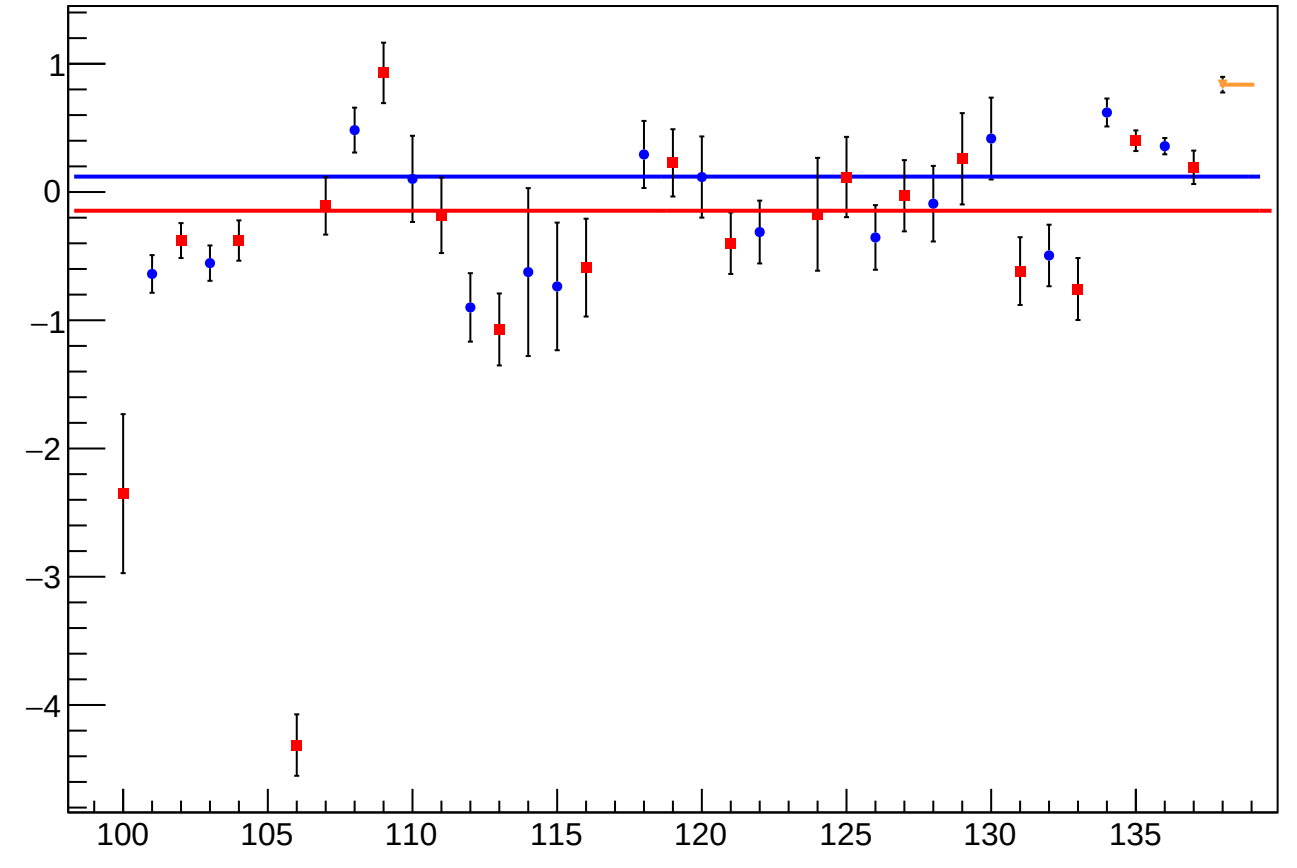
Left: -98.953+/-1.653 χ^2/NDF: 0.0/0

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -97.814+/-0.793 χ^2/NDF:1330.8/15

Out: -97.803+/-0.751 χ^2/NDF:1237.1/19

All: -97.808+/-0.545 χ^2/NDF: 2567.9/35



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.837+/-0.061 χ^2/NDF:0.0/0

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.837+/-0.061 χ^2/NDF: 0.0/0

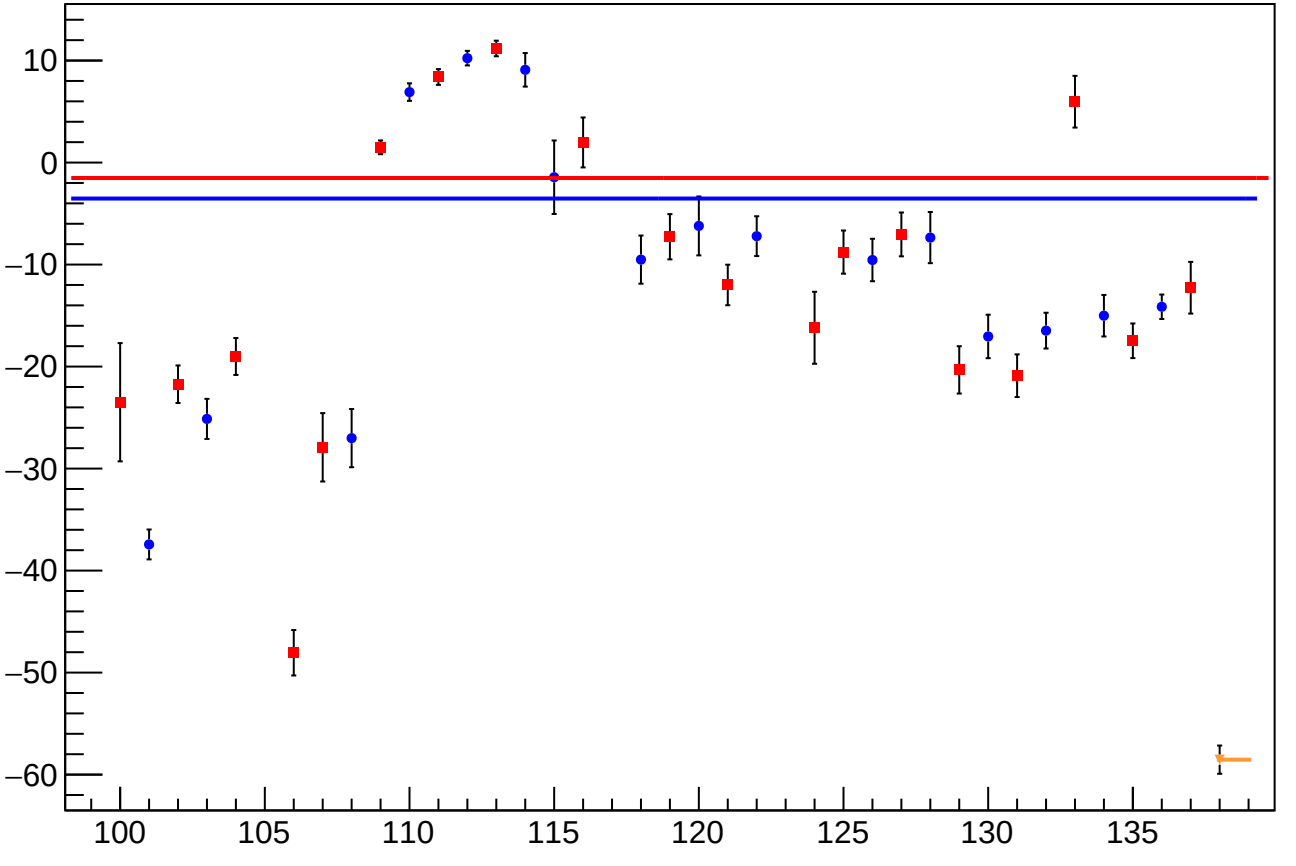
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.120+/-0.041 χ^2/NDF:123.9/15

Out: 0.200+/-0.036 χ^2/NDF:589.6/19

All: 0.165+/-0.027 χ^2/NDF: 715.6/35

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: -58.536+/-1.385 χ^2/NDF:0.0/0

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -58.536+/-1.385 χ^2/NDF: 0.0/0

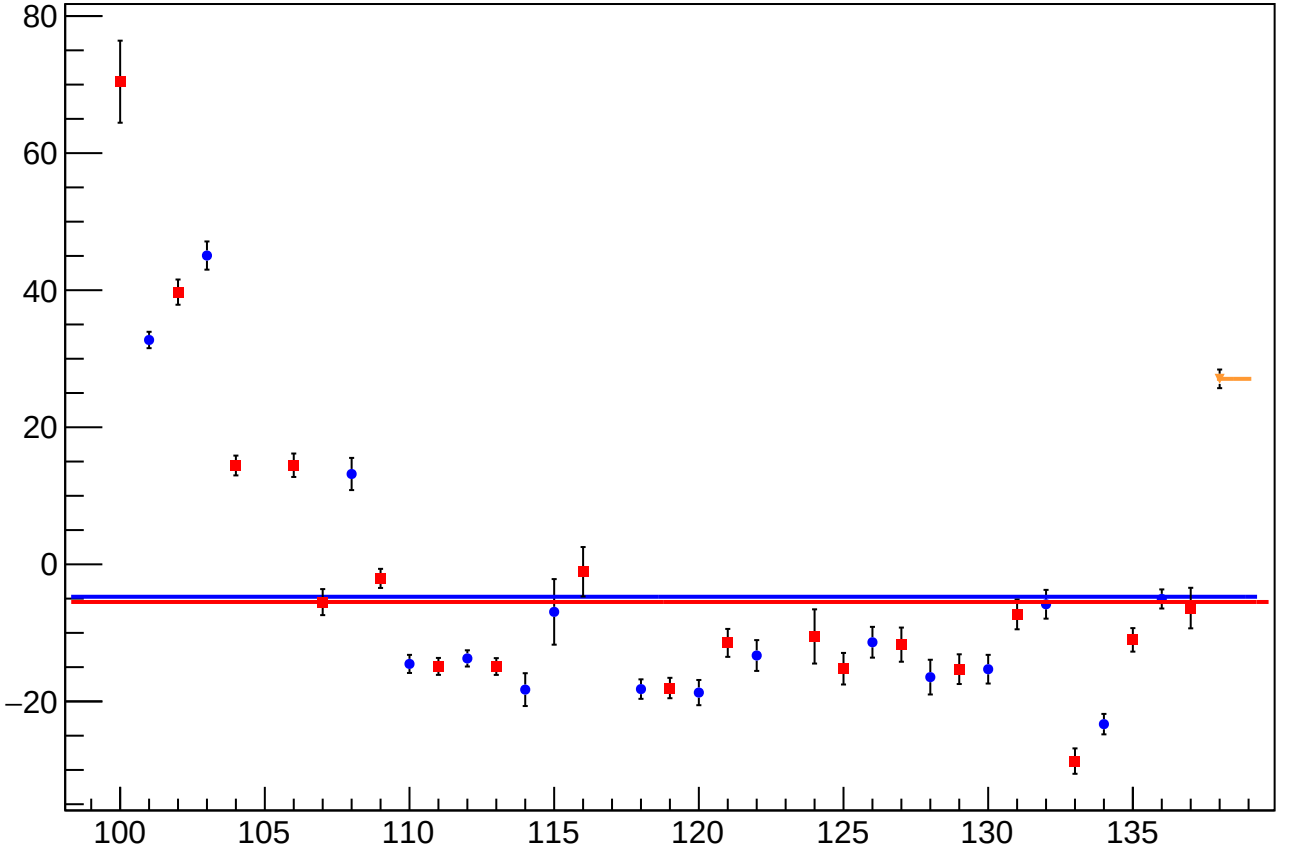
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -3.527+/-0.377 χ^2/NDF:1529.1/15

Out: -4.728+/-0.329 χ^2/NDF:3125.2/19

All: -4.209+/-0.248 χ^2/NDF: 4660.1/35

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: 27.066+/-1.359 χ^2/NDF:0.0/0

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

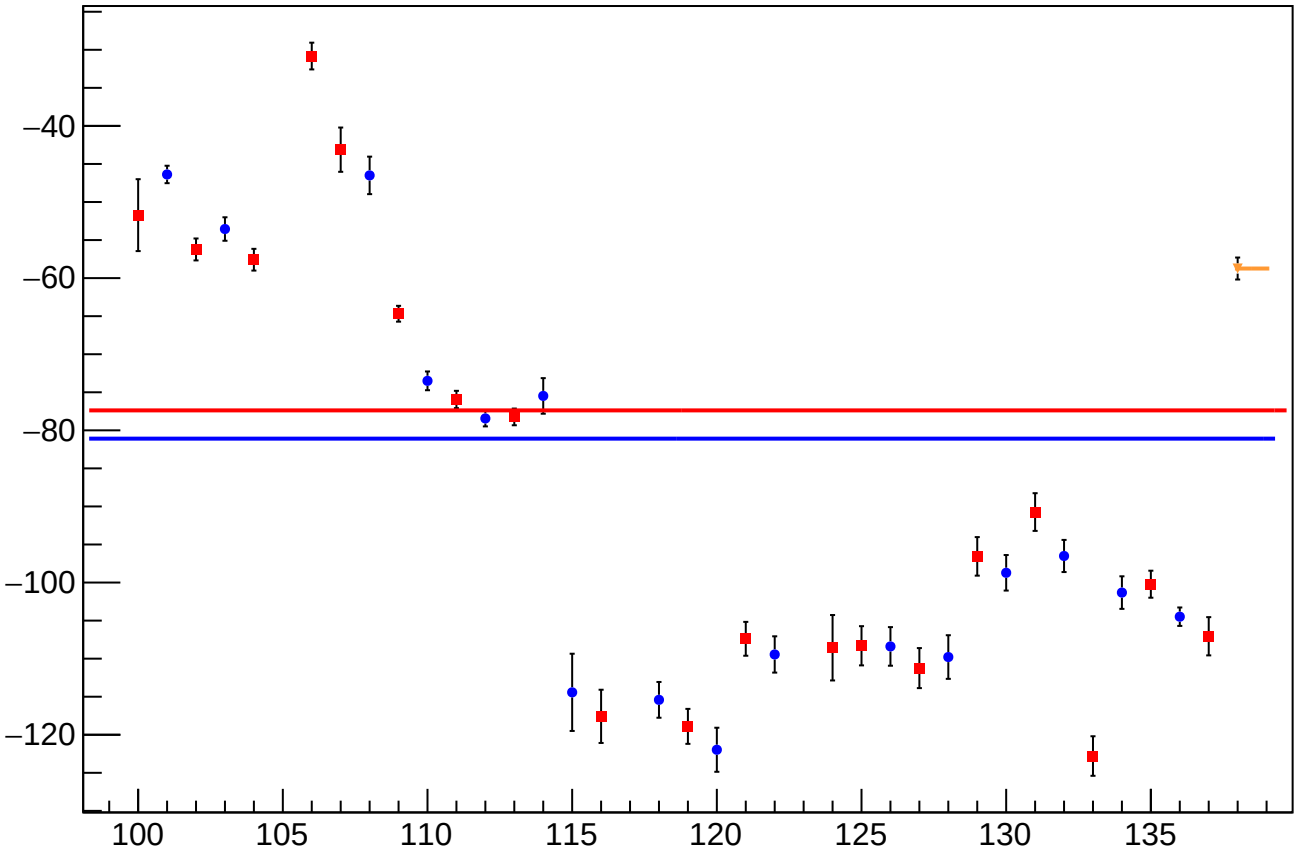
Left: 27.066+/-1.359 χ^2/NDF: 0.0/0

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -4.729+/-0.431 χ^2/NDF:2148.0/15

Out: -2.625+/-0.403 χ^2/NDF:2032.3/19

All: -3.607+/-0.294 χ^2/NDF: 4193.0/35



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -58.740+/-1.444 χ^2/NDF:0.0/0

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

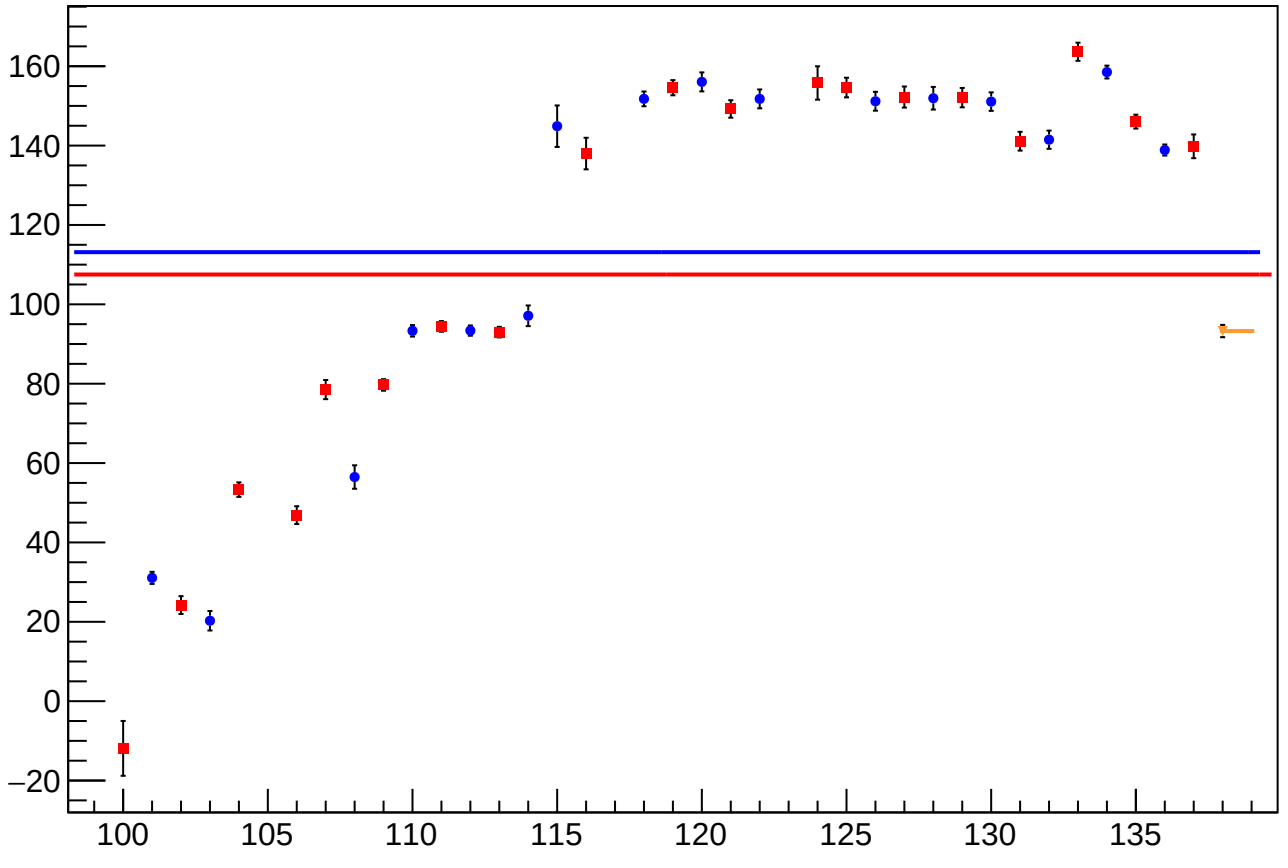
Left: -58.740+/-1.444 χ^2/NDF: 0.0/0

Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -81.091+/-0.438 χ^2/NDF:2870.3/15

Out: -75.946+/-0.400 χ^2/NDF:3283.4/19

All: -78.287+/-0.296 χ^2/NDF: 6228.8/35



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 93.268+/-1.556 χ^2/NDF:0.0/0

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

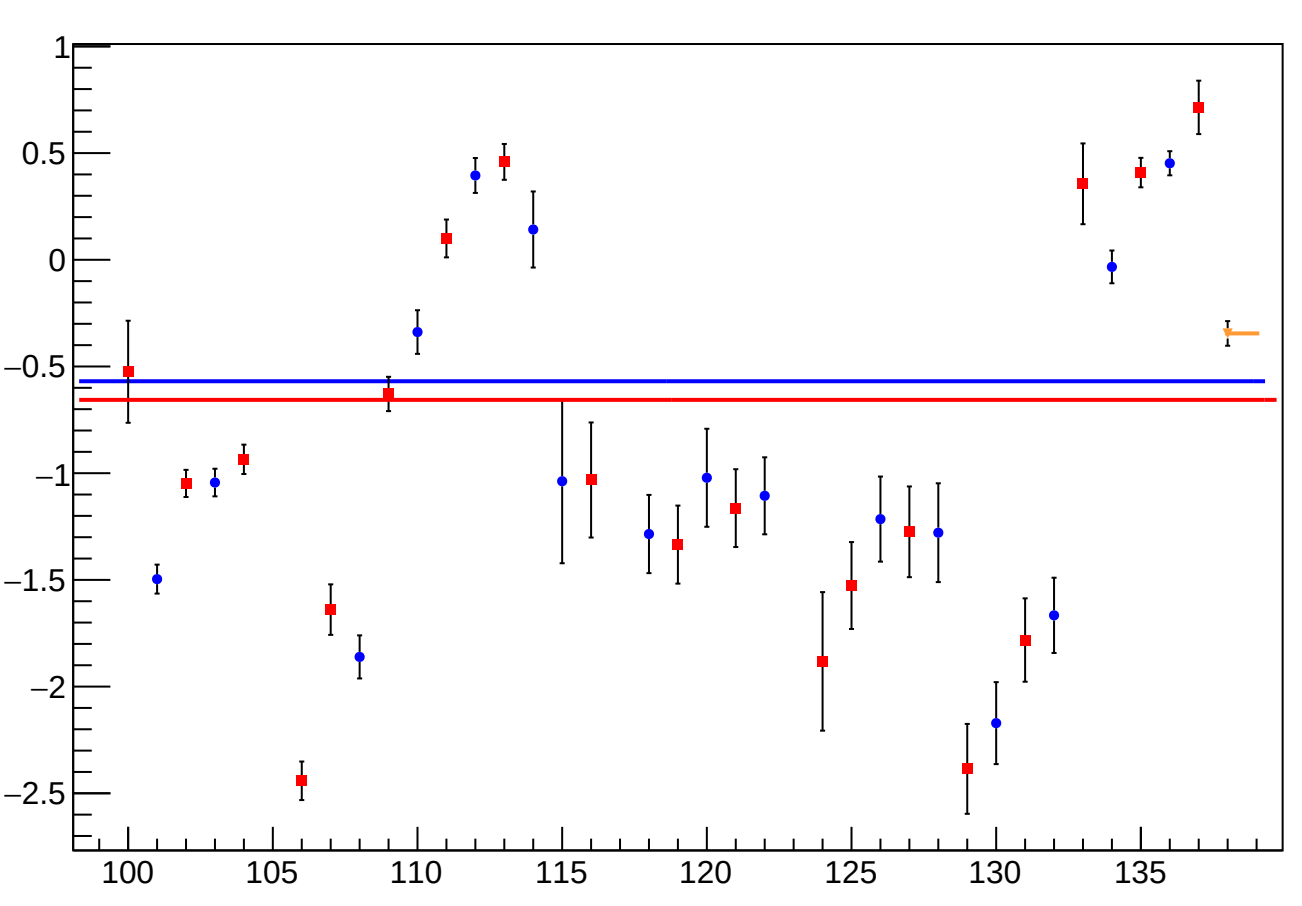
Left: 93.268+/-1.556 χ^2/NDF: 0.0/0

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 113.143+/-0.489 χ^2/NDF:8204.1/15

Out: 106.280+/-0.458 χ^2/NDF:7620.5/19

All: 109.488+/-0.334 χ^2/NDF: 15929.5/35



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.345+/-0.058 χ^2/NDF:0.0/0

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

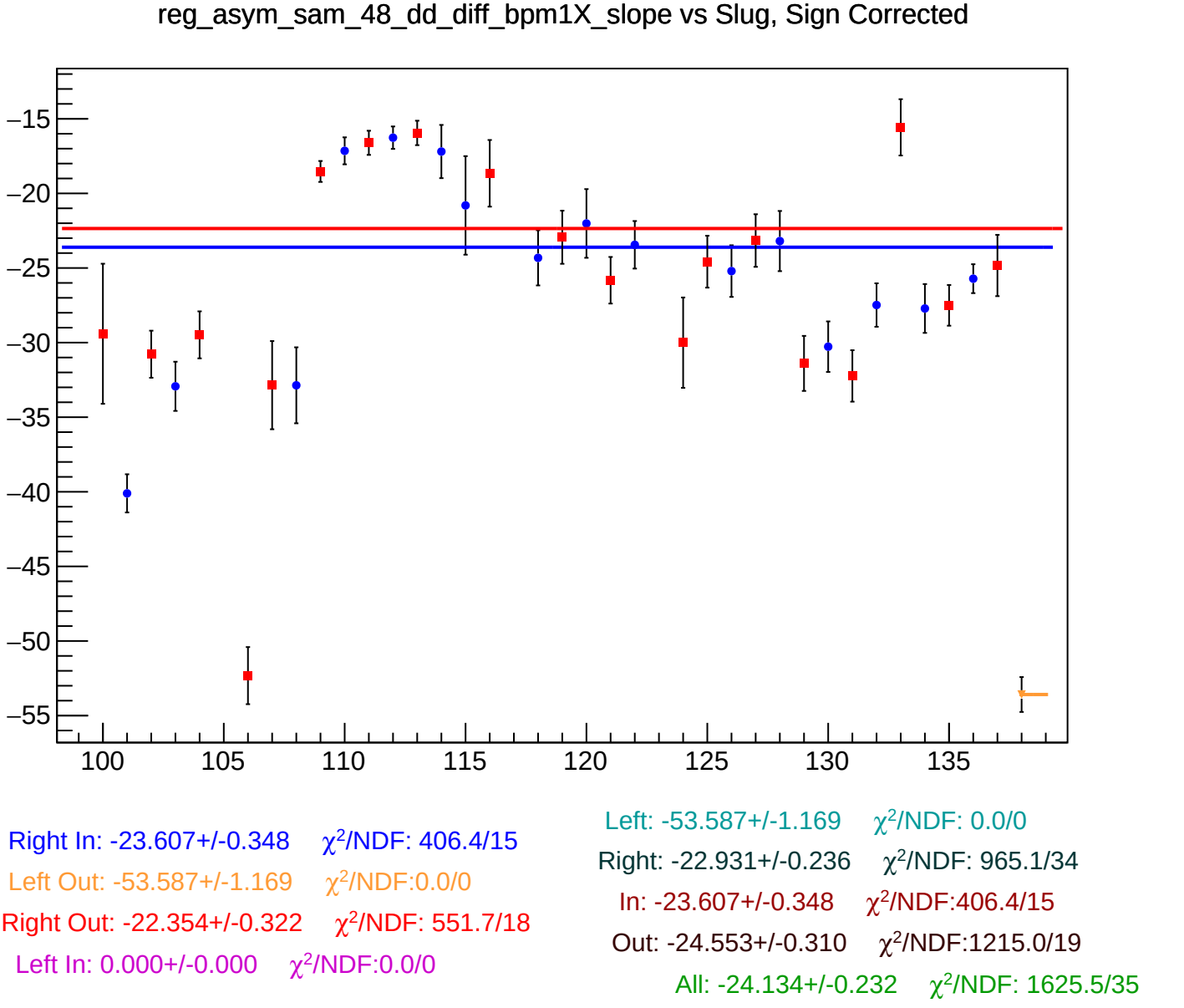
Left: -0.345+/-0.058 χ^2/NDF: 0.0/0

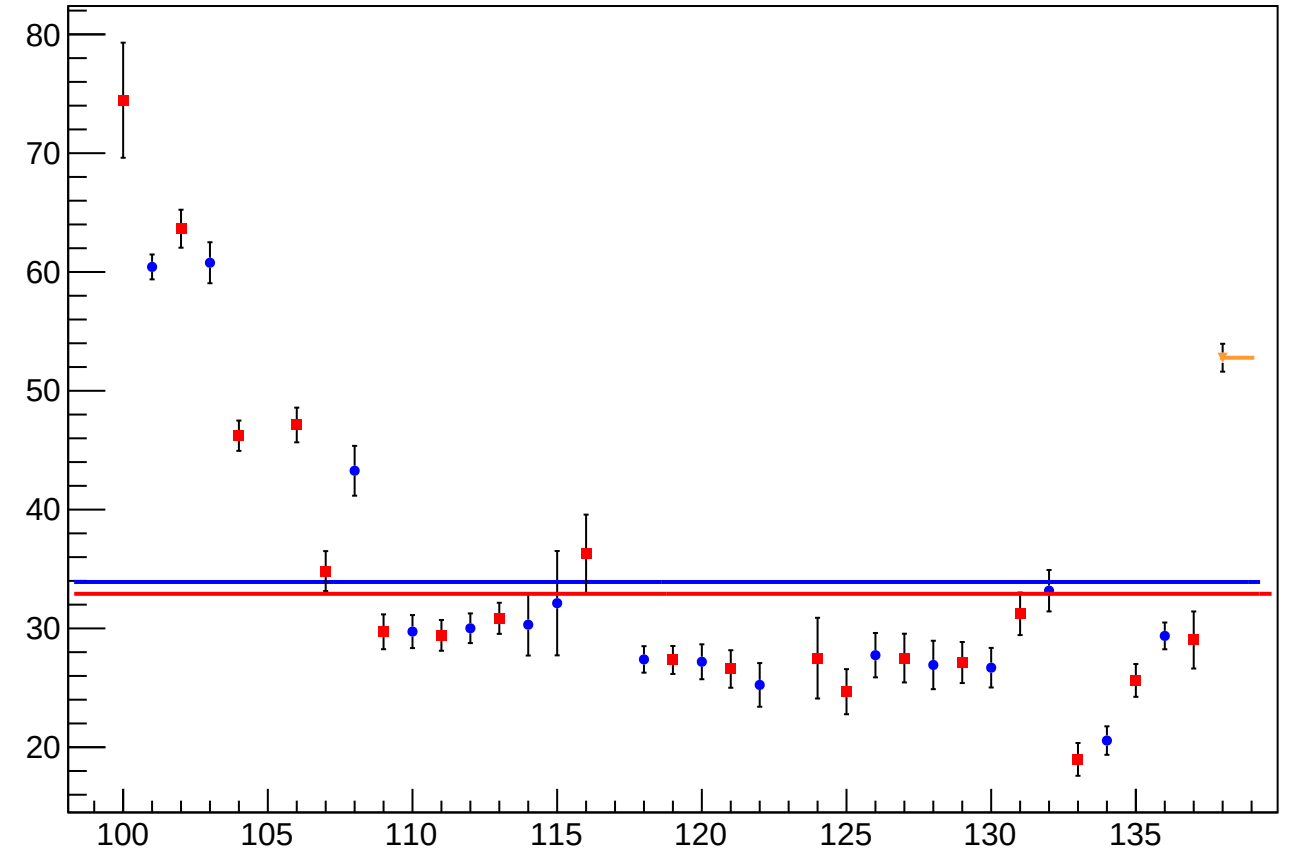
Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.569+/-0.026 χ^2/NDF:1097.4/15

Out: -0.607+/-0.023 χ^2/NDF:1339.6/19

All: -0.590+/-0.017 χ^2/NDF: 2438.2/35


reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
−55
100
105
110
115
120
125
130
135
Right In: -23.607+/-0.348 χ²/NDF: 406.4/15
Left Out: -53.587+/-1.169 χ²/NDF:0.0/0
Right Out: -22.354+/-0.322 χ²/NDF: 551.7/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -53.587+/-1.169 χ²/NDF: 0.0/0
Right: -22.931+/-0.236 χ²/NDF: 965.1/34
In: -23.607+/-0.348 χ²/NDF:406.4/15
Out: -24.553+/-0.310 χ²/NDF:1215.0/19
All: -24.134+/-0.232 χ²/NDF: 1625.5/35



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 52.783+/-1.173 χ^2/NDF:0.0/0

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 52.783+/-1.173 χ^2/NDF: 0.0/0

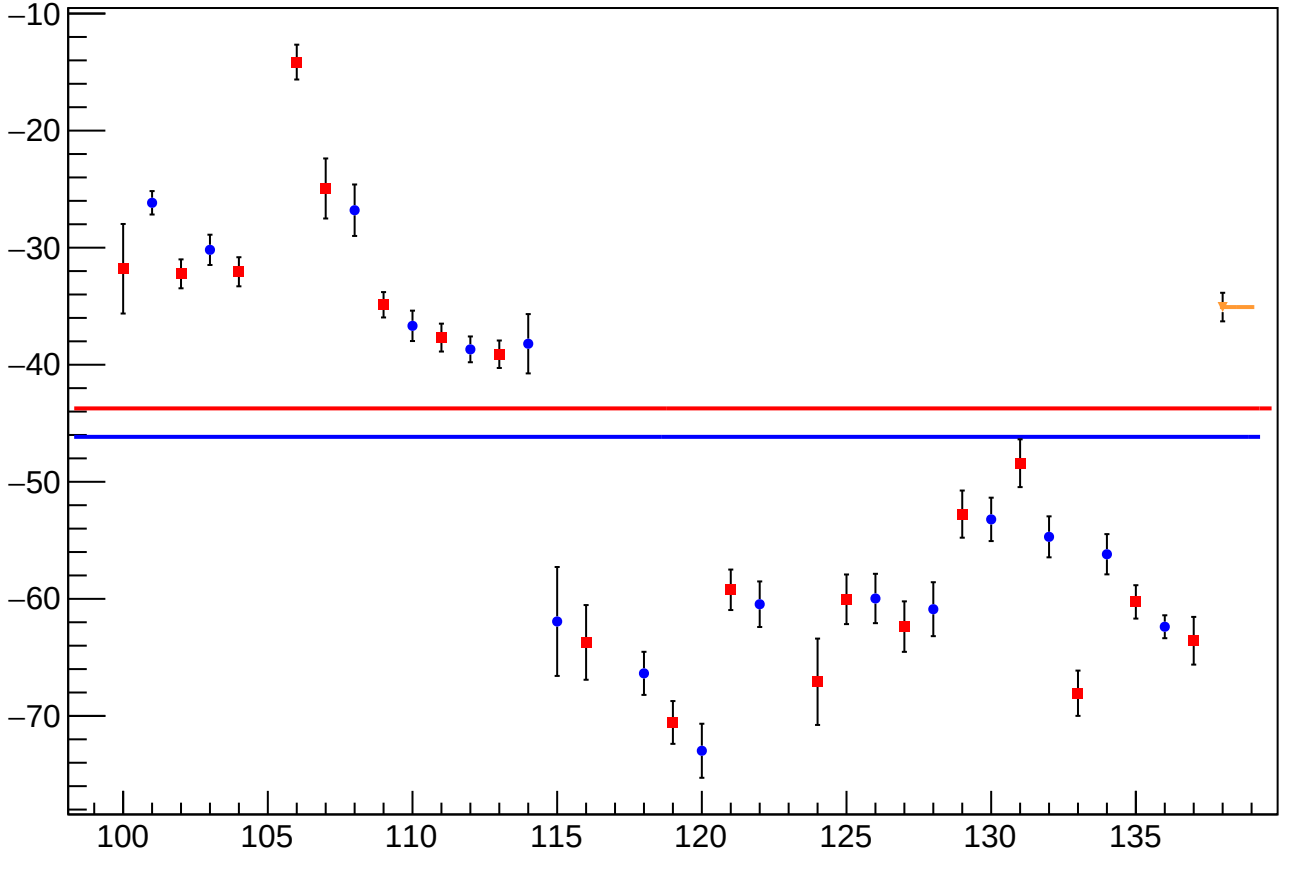
Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 33.909+/-0.375 χ^2/NDF:1184.4/15

Out: 34.732+/-0.355 χ^2/NDF:1135.5/19

All: 34.343+/-0.258 χ^2/NDF: 2322.5/35

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: -35.073+/-1.220 χ^2/NDF:0.0/0

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

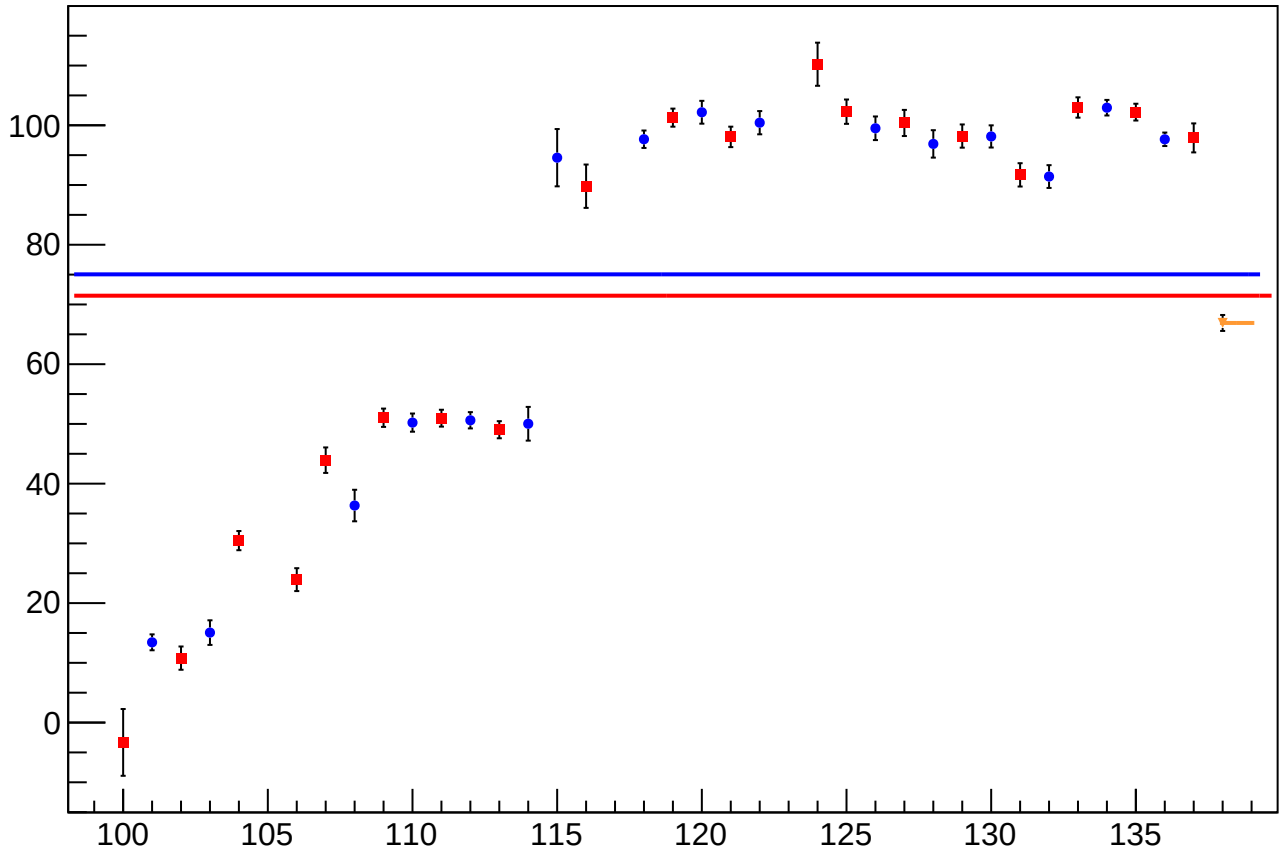
Left: -35.073+/-1.220 χ^2/NDF: 0.0/0

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -46.160+/-0.390 χ^2/NDF:1489.6/15

Out: -42.971+/-0.361 χ^2/NDF:1709.3/19

All: -44.445+/-0.265 χ^2/NDF: 3234.9/35



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 66.904+/-1.336 χ^2/NDF:0.0/0

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

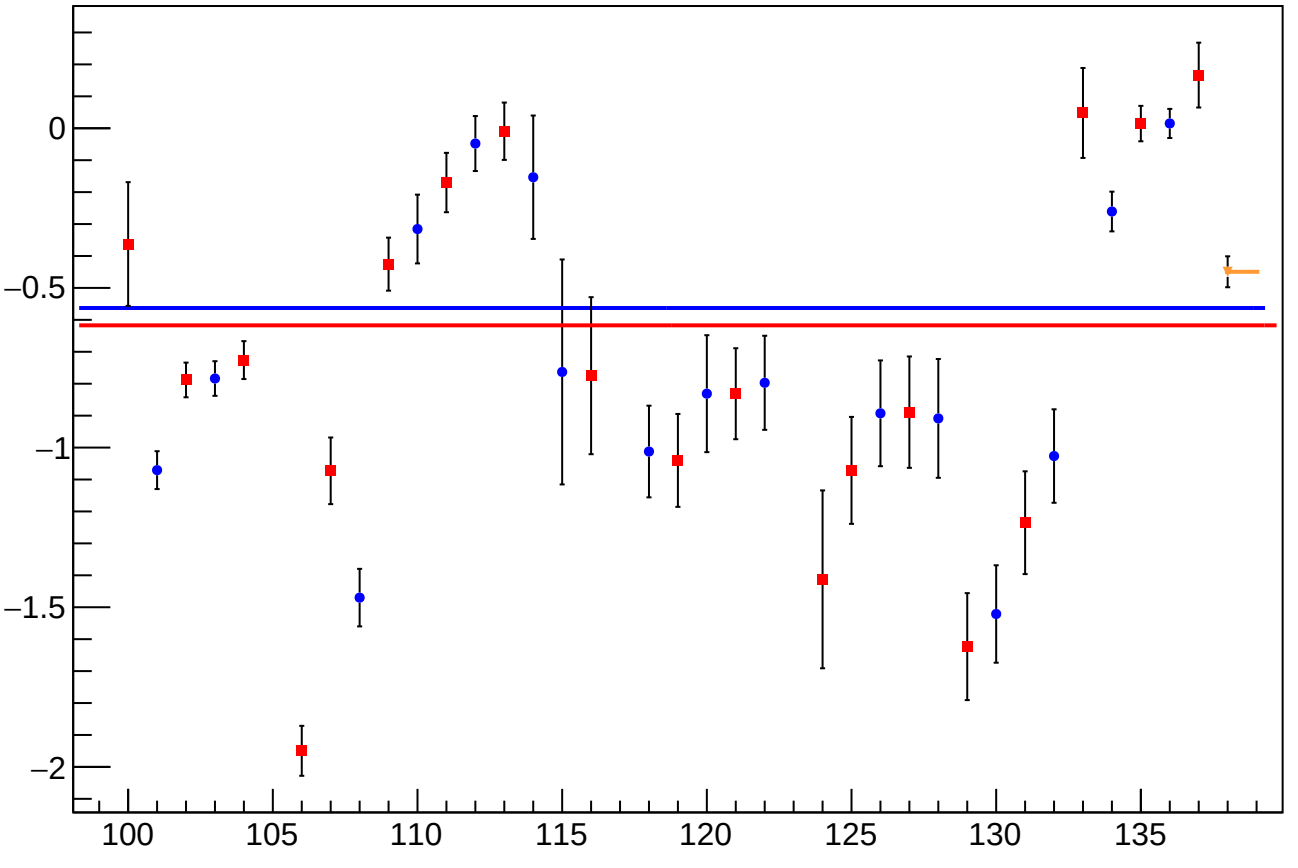
Left: 66.904+/-1.336 χ^2/NDF: 0.0/0

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 75.042+/-0.427 χ^2/NDF:5828.3/15

Out: 71.048+/-0.406 χ^2/NDF:5638.8/19

All: 72.941+/-0.294 χ^2/NDF: 11513.0/35



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.449+/-0.048 χ^2/NDF:0.0/0

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

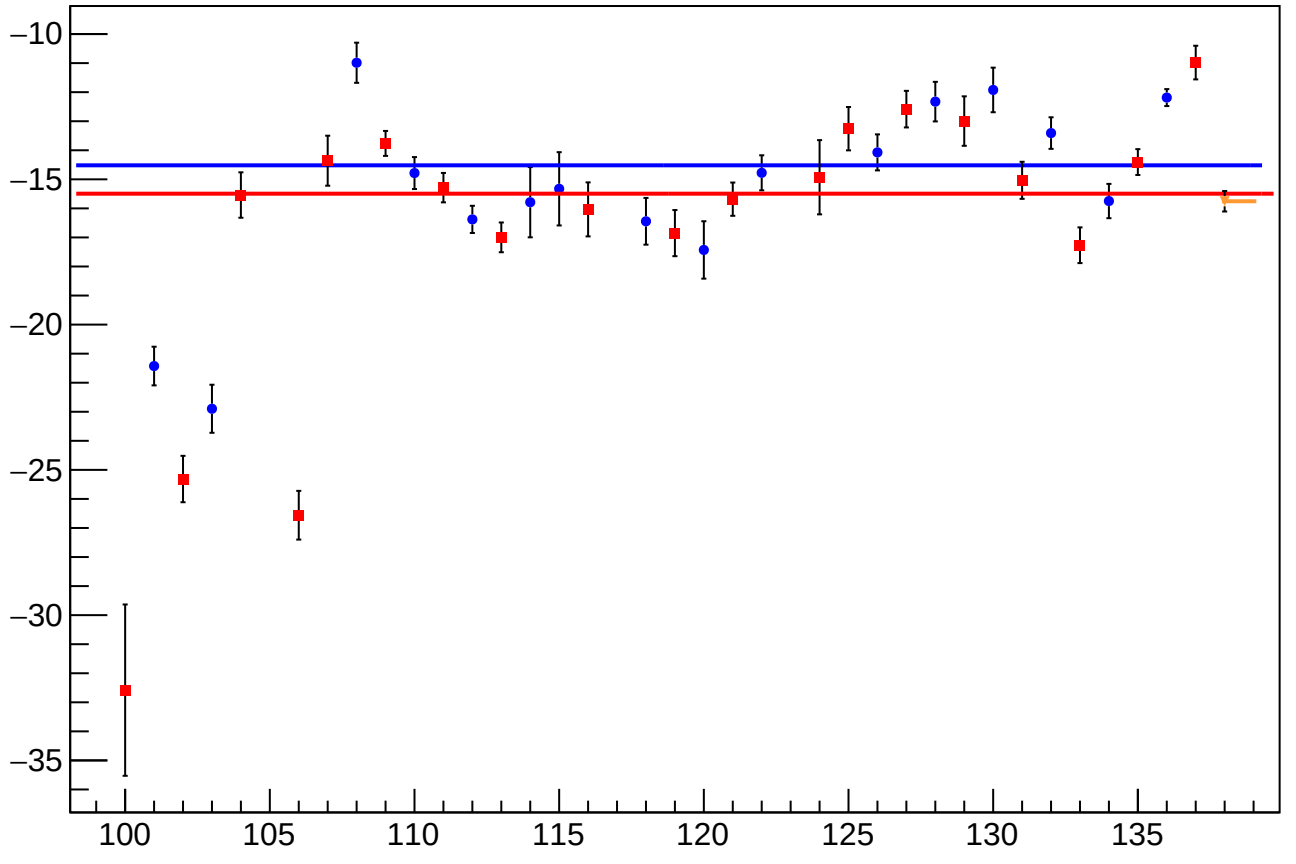
Left: -0.449+/-0.048 χ^2/NDF: 0.0/0

Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.563+/-0.022 χ^2/NDF:493.0/15

Out: -0.588+/-0.020 χ^2/NDF:699.9/19

All: -0.577+/-0.015 χ^2/NDF: 1193.7/35



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.755+/-0.352 χ^2/NDF:0.0/0

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -15.755+/-0.352 χ^2/NDF: 0.0/0

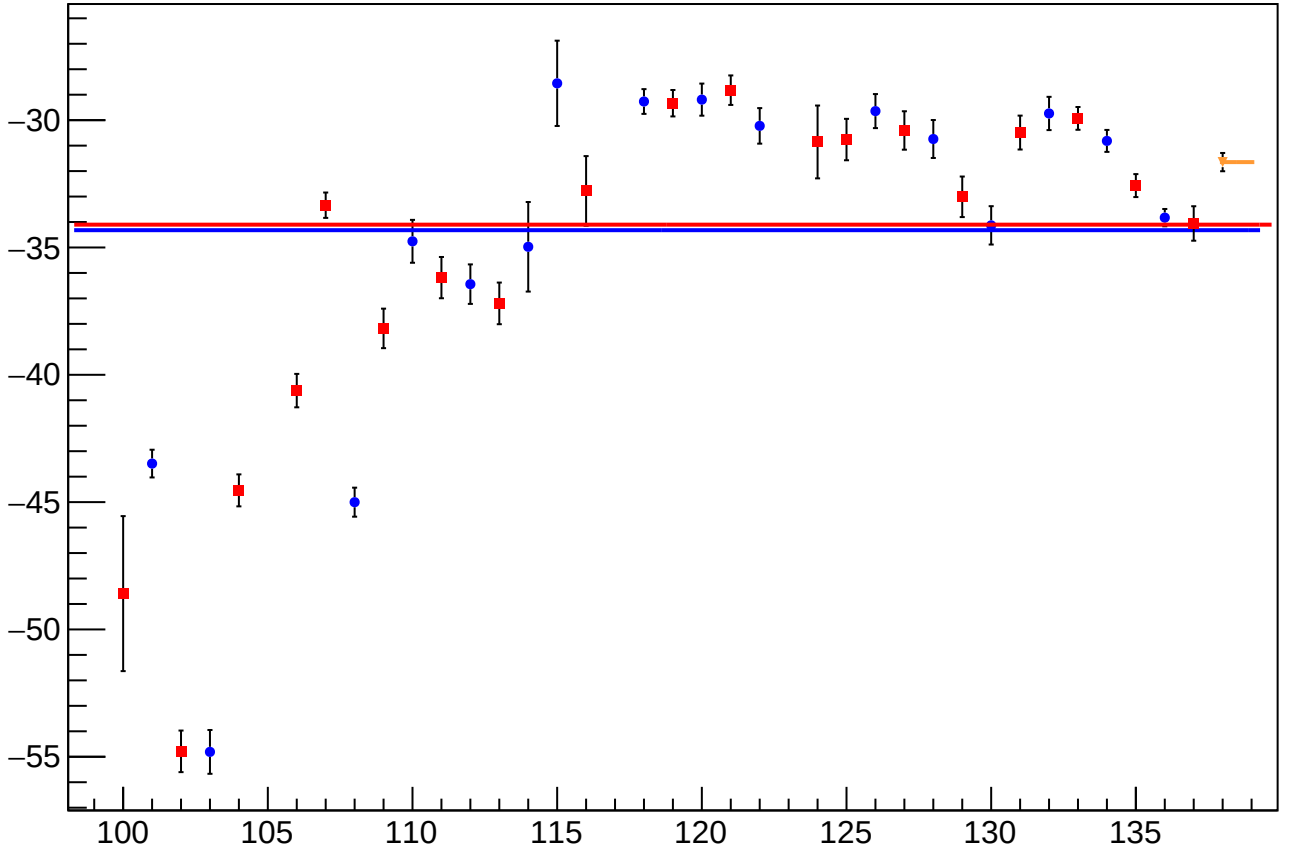
Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.518+/-0.149 χ^2/NDF:363.3/15

Out: -15.534+/-0.138 χ^2/NDF:504.3/19

All: -15.066+/-0.101 χ^2/NDF: 892.6/35

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.647+/-0.359 χ^2/NDF:0.0/0

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -31.647+/-0.359 χ^2/NDF: 0.0/0

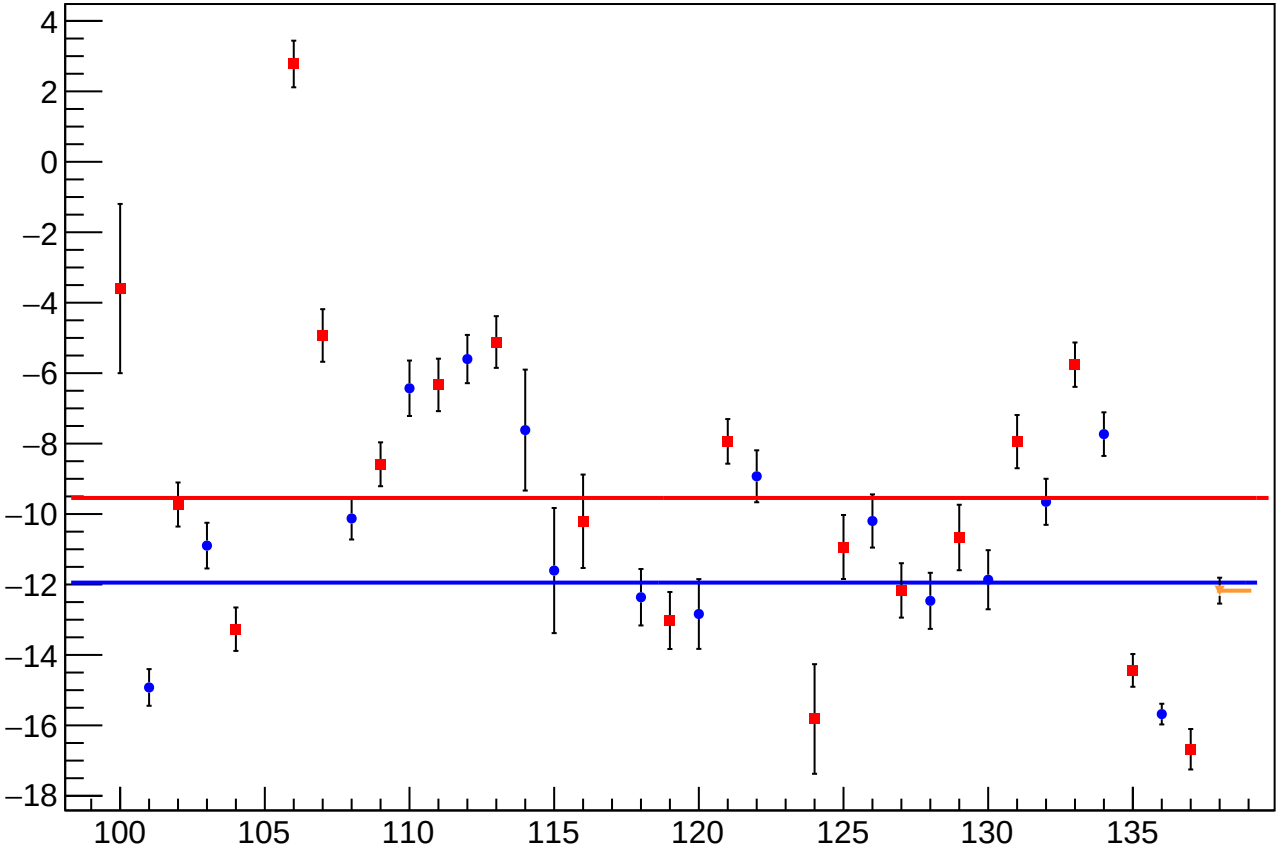
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -34.321+/-0.153 χ^2/NDF:1620.5/15

Out: -33.721+/-0.142 χ^2/NDF:1474.3/19

All: -33.997+/-0.104 χ^2/NDF: 3103.1/35

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: -12.175+/-0.368 χ^2/NDF:0.0/0

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

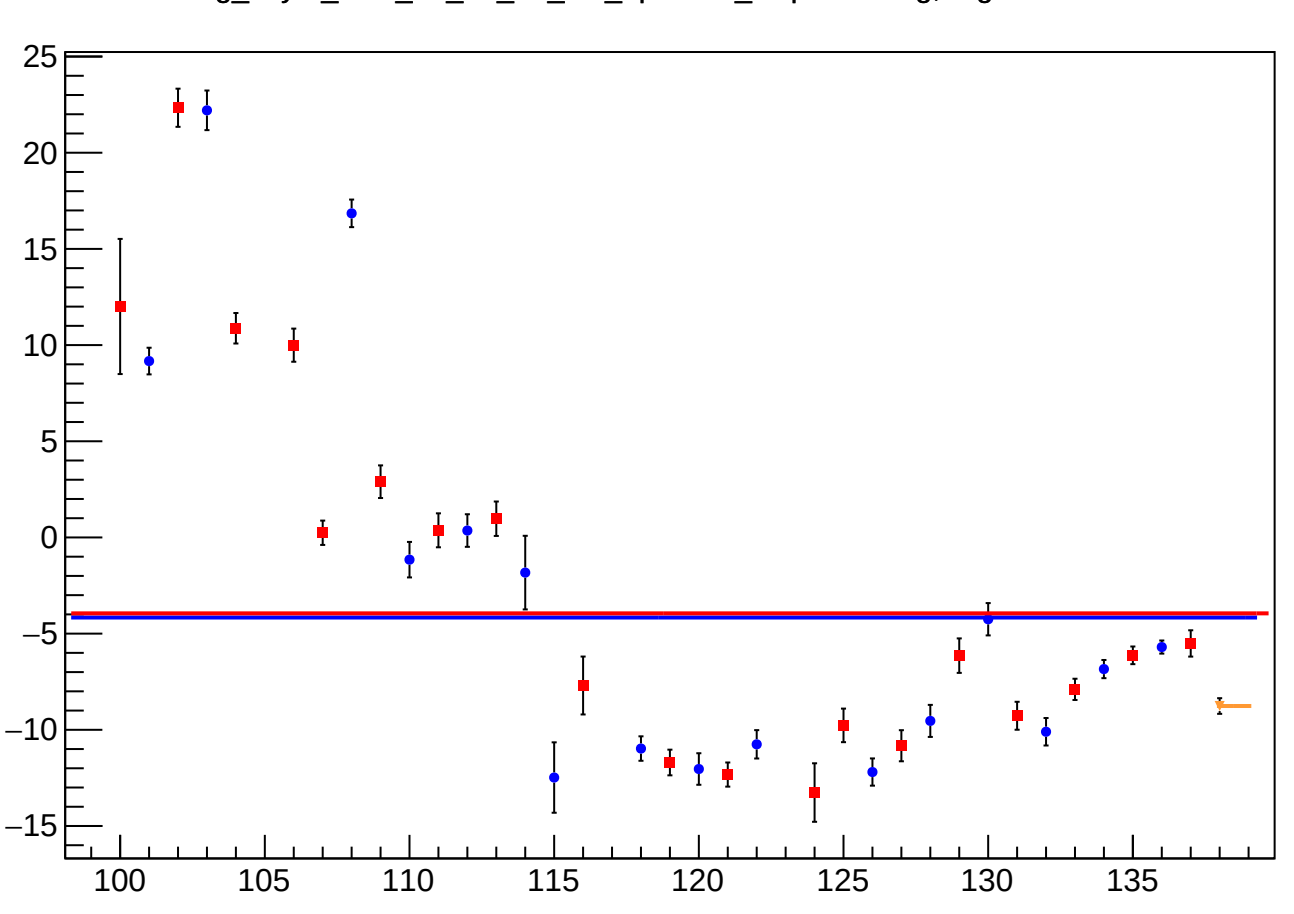
Left: -12.175+/-0.368 χ^2/NDF: 0.0/0

Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -11.946+/-0.160 χ^2/NDF:430.0/15

Out: -9.985+/-0.151 χ^2/NDF:889.7/19

All: -10.906+/-0.110 χ^2/NDF: 1399.3/35



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.763+/-0.407 χ^2/NDF:0.0/0

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

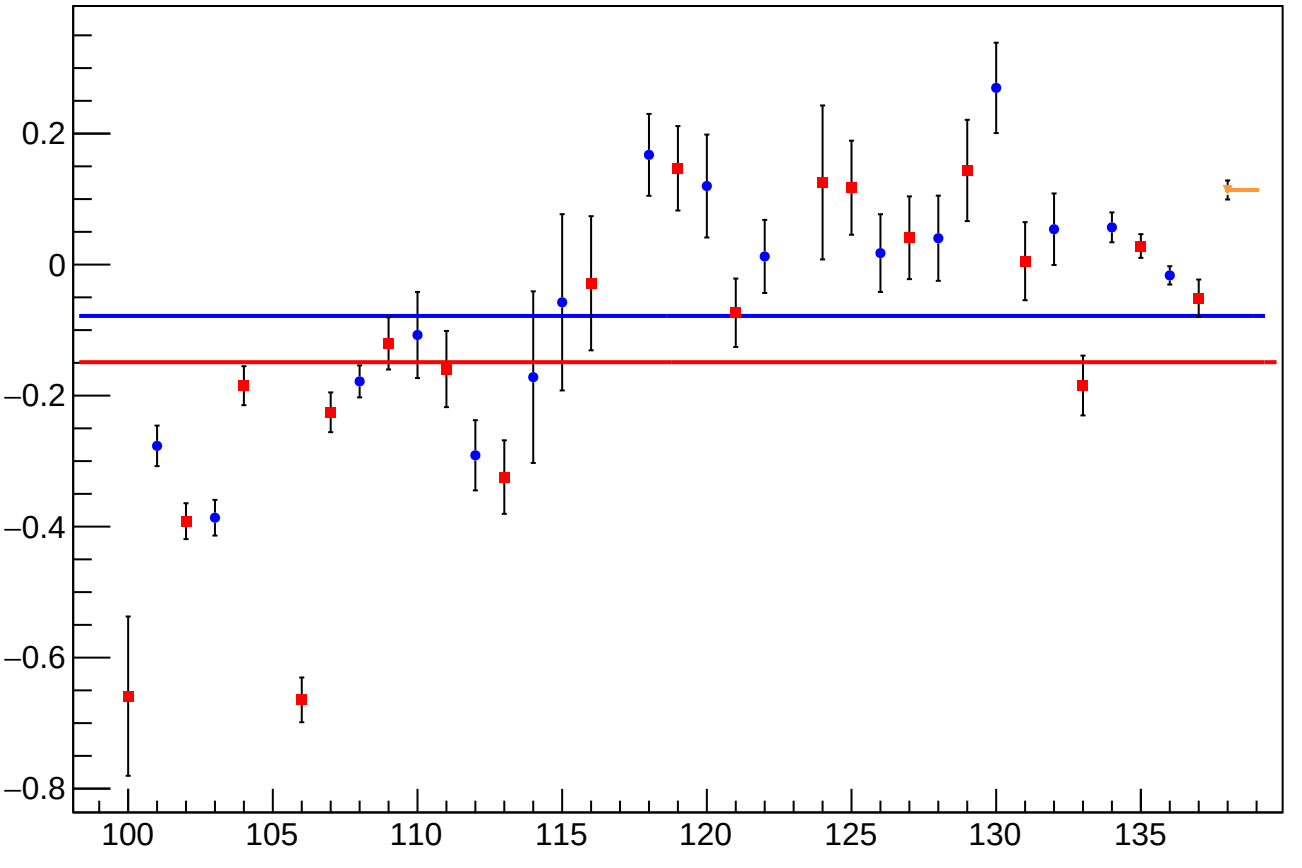
Left: -8.763+/-0.407 χ^2/NDF: 0.0/0

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -4.163+/-0.172 χ^2/NDF:2525.0/15

Out: -4.706+/-0.162 χ^2/NDF:2228.3/19

All: -4.451+/-0.118 χ^2/NDF: 4758.6/35



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.114+/-0.015 χ^2/NDF:0.0/0

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

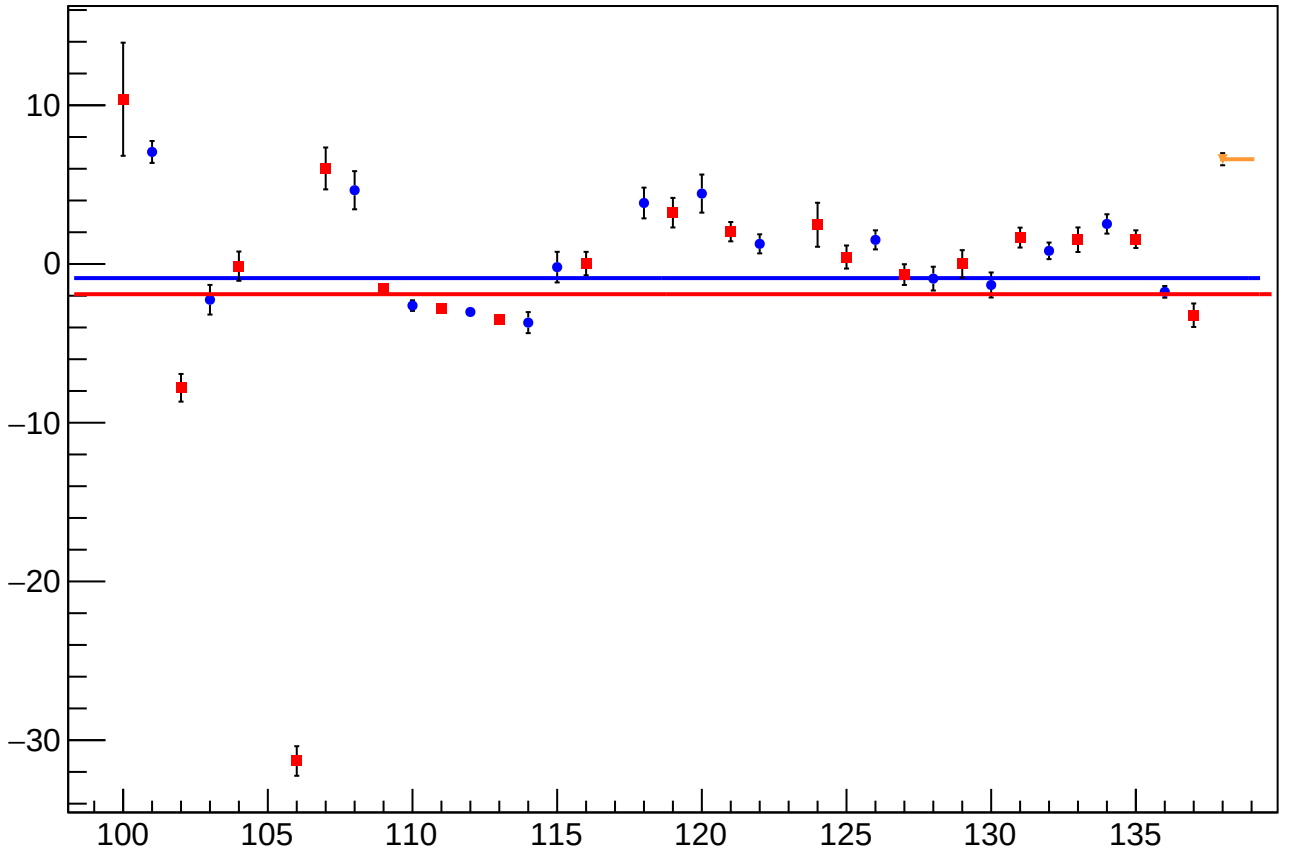
Left: 0.114+/-0.015 χ^2/NDF: 0.0/0

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: -0.078+/-0.009 χ^2/NDF:318.8/15

Out: -0.075+/-0.008 χ^2/NDF:759.7/19

All: -0.077+/-0.006 χ^2/NDF: 1078.5/35



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 6.601+/-0.383 χ^2/NDF:0.0/0

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

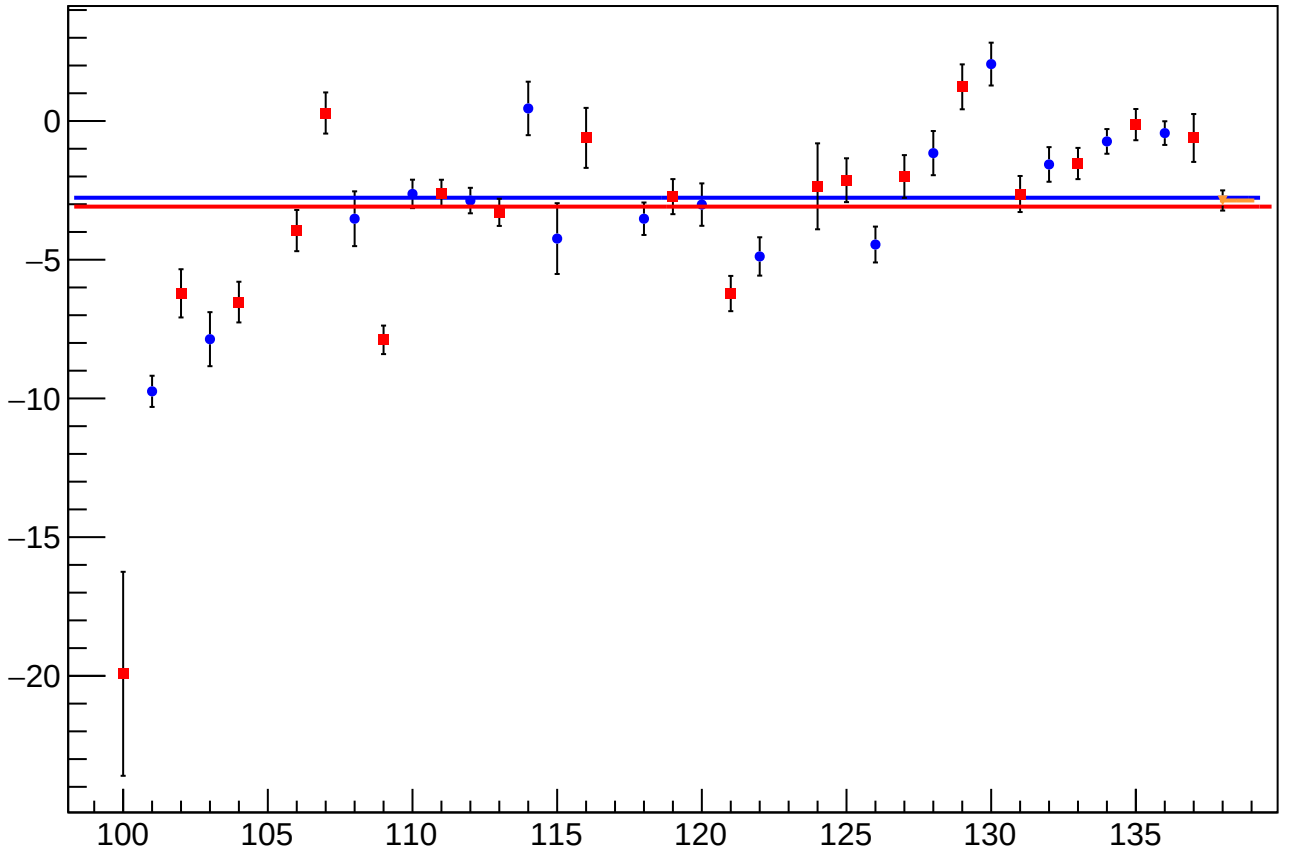
Left: 6.601+/-0.383 χ^2/NDF: 0.0/0

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: -0.889+/-0.137 χ^2/NDF:380.3/15

Out: -1.044+/-0.122 χ^2/NDF:1775.1/19

All: -0.976+/-0.091 χ^2/NDF: 2156.0/35



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.865+/-0.364 χ^2/NDF:0.0/0

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

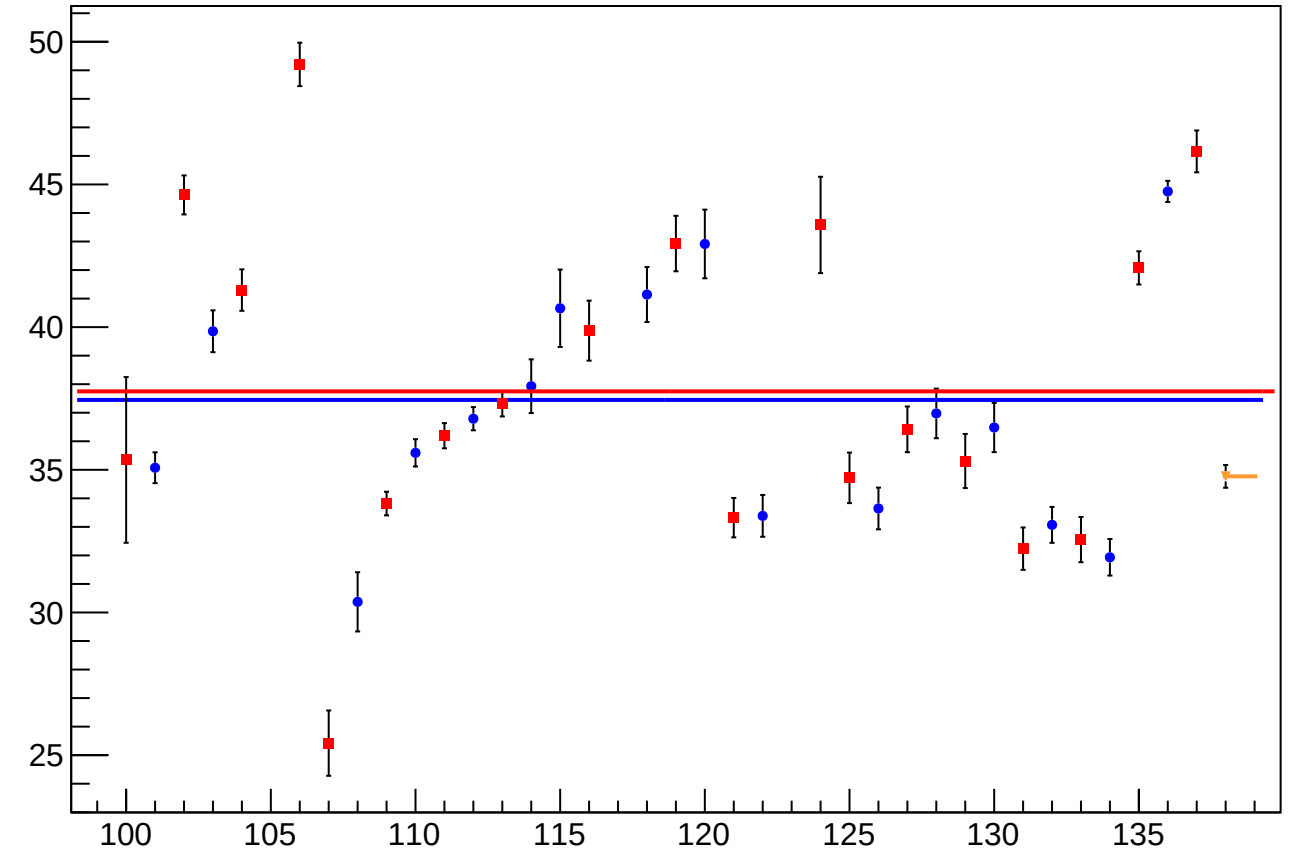
Left: -2.865+/-0.364 χ^2/NDF: 0.0/0

Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -2.766+/-0.156 χ^2/NDF:310.1/15

Out: -3.051+/-0.145 χ^2/NDF:272.8/19

All: -2.919+/-0.106 χ^2/NDF: 584.7/35



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 34.770+/-0.399 χ^2/NDF:0.0/0

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 34.770+/-0.399 χ^2/NDF: 0.0/0

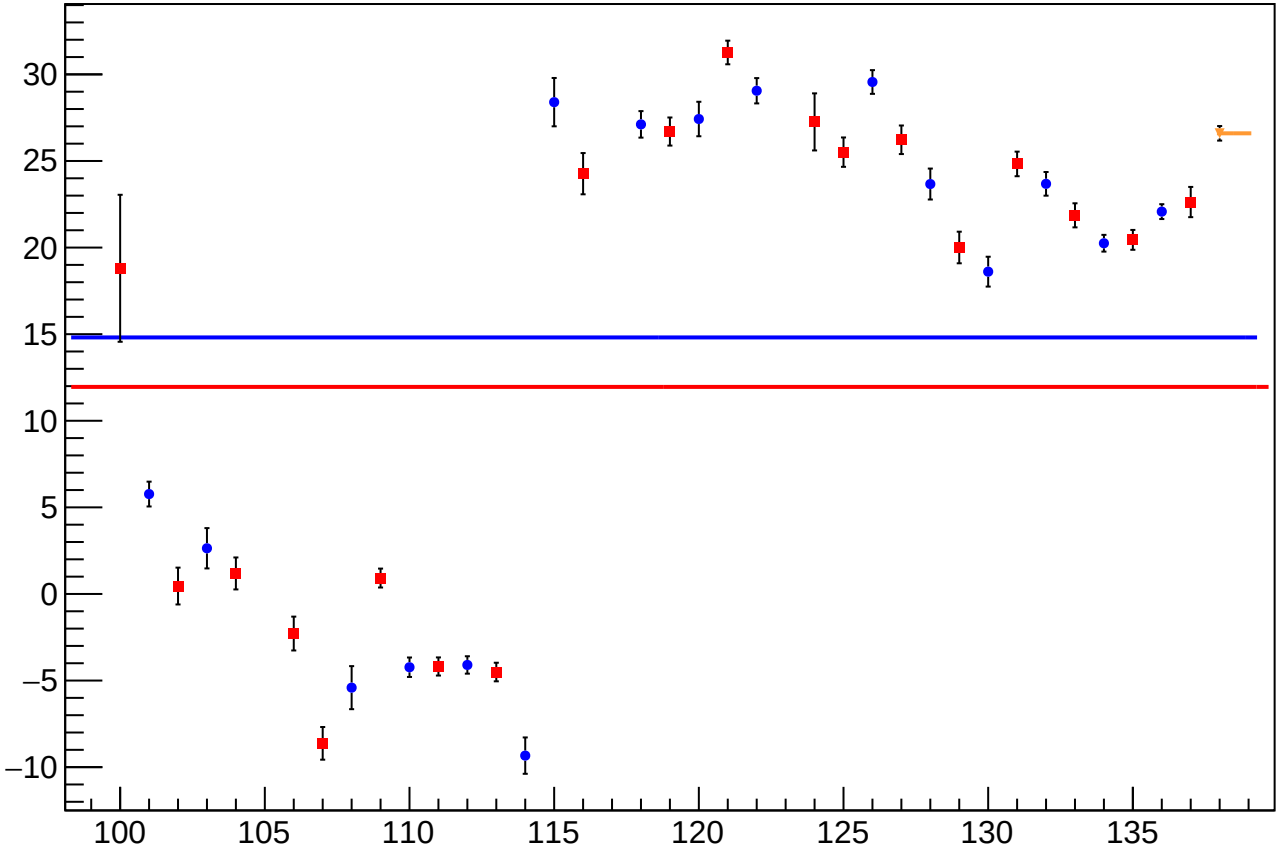
Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 37.449+/-0.161 χ^2/NDF:706.9/15

Out: 37.340+/-0.148 χ^2/NDF:1011.6/19

All: 37.390+/-0.109 χ^2/NDF: 1718.8/35

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 26.597+/-0.421 χ^2/NDF:0.0/0

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

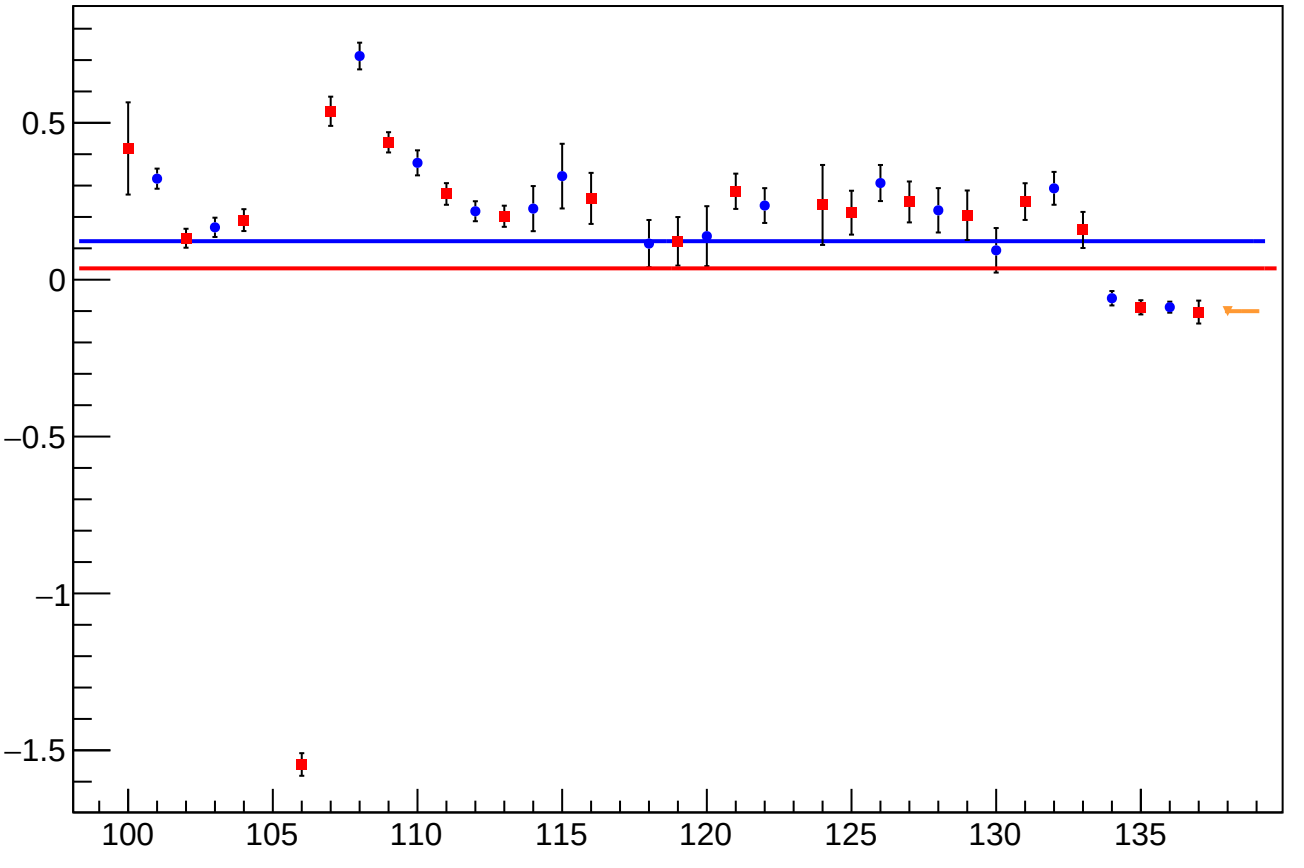
Left: 26.597+/-0.421 χ^2/NDF: 0.0/0

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 14.812+/-0.174 χ^2/NDF:5686.4/15

Out: 14.154+/-0.163 χ^2/NDF:7135.3/19

All: 14.462+/-0.119 χ^2/NDF: 12829.3/35



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.100+/-0.016 χ^2/NDF:0.0/0

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

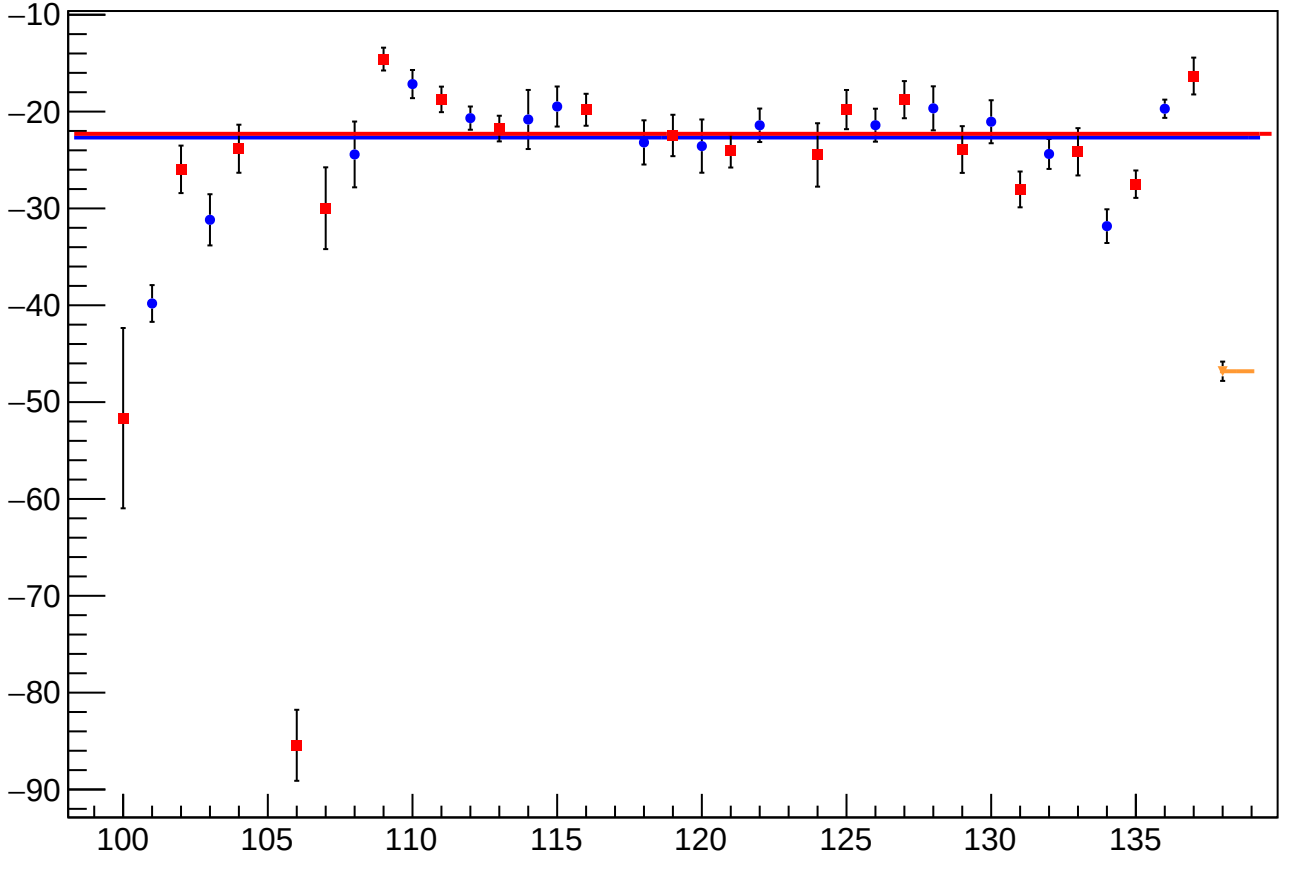
Left: -0.100+/-0.016 χ^2/NDF: 0.0/0

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: 0.123+/-0.009 χ^2/NDF:520.0/15

Out: -0.001+/-0.008 χ^2/NDF:2467.1/19

All: 0.054+/-0.006 χ^2/NDF: 3083.1/35



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -46.813+/-0.996 χ^2/NDF:0.0/0

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

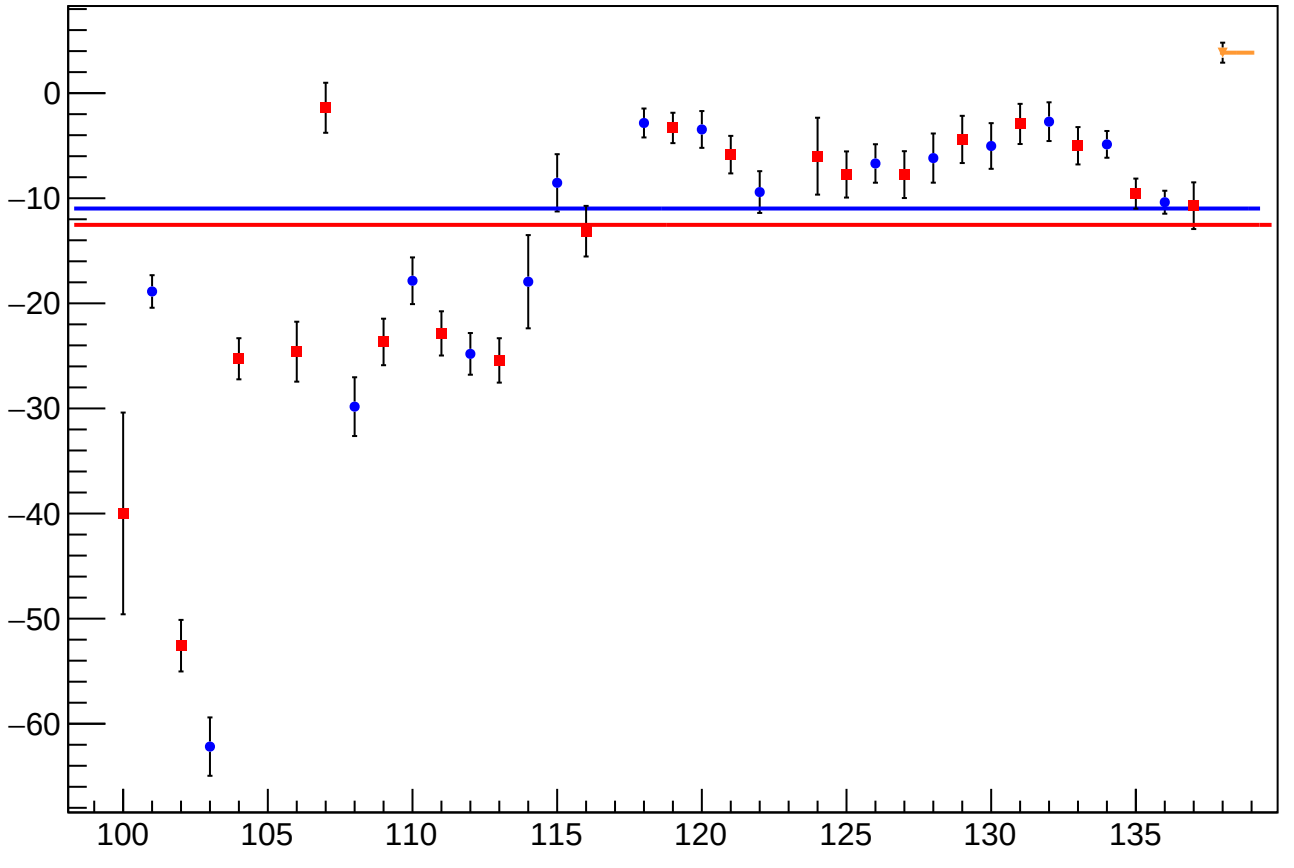
Left: -46.813+/-0.996 χ^2/NDF: 0.0/0

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -22.675+/-0.435 χ^2/NDF:154.4/15

Out: -26.225+/-0.399 χ^2/NDF:914.4/19

All: -24.602+/-0.294 χ^2/NDF: 1105.1/35



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: 3.851+/-0.952 χ^2/NDF:0.0/0

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

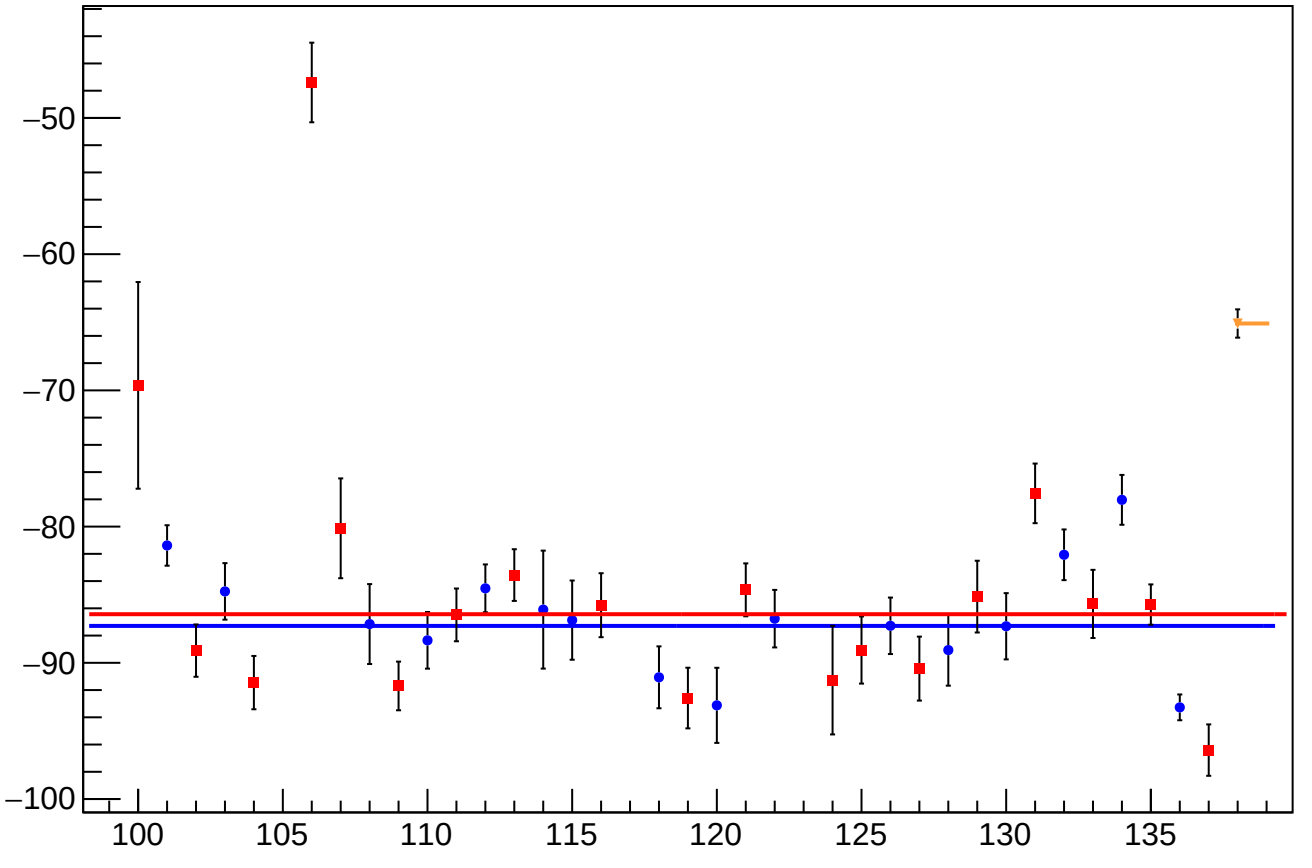
Left: 3.851+/-0.952 χ^2/NDF: 0.0/0

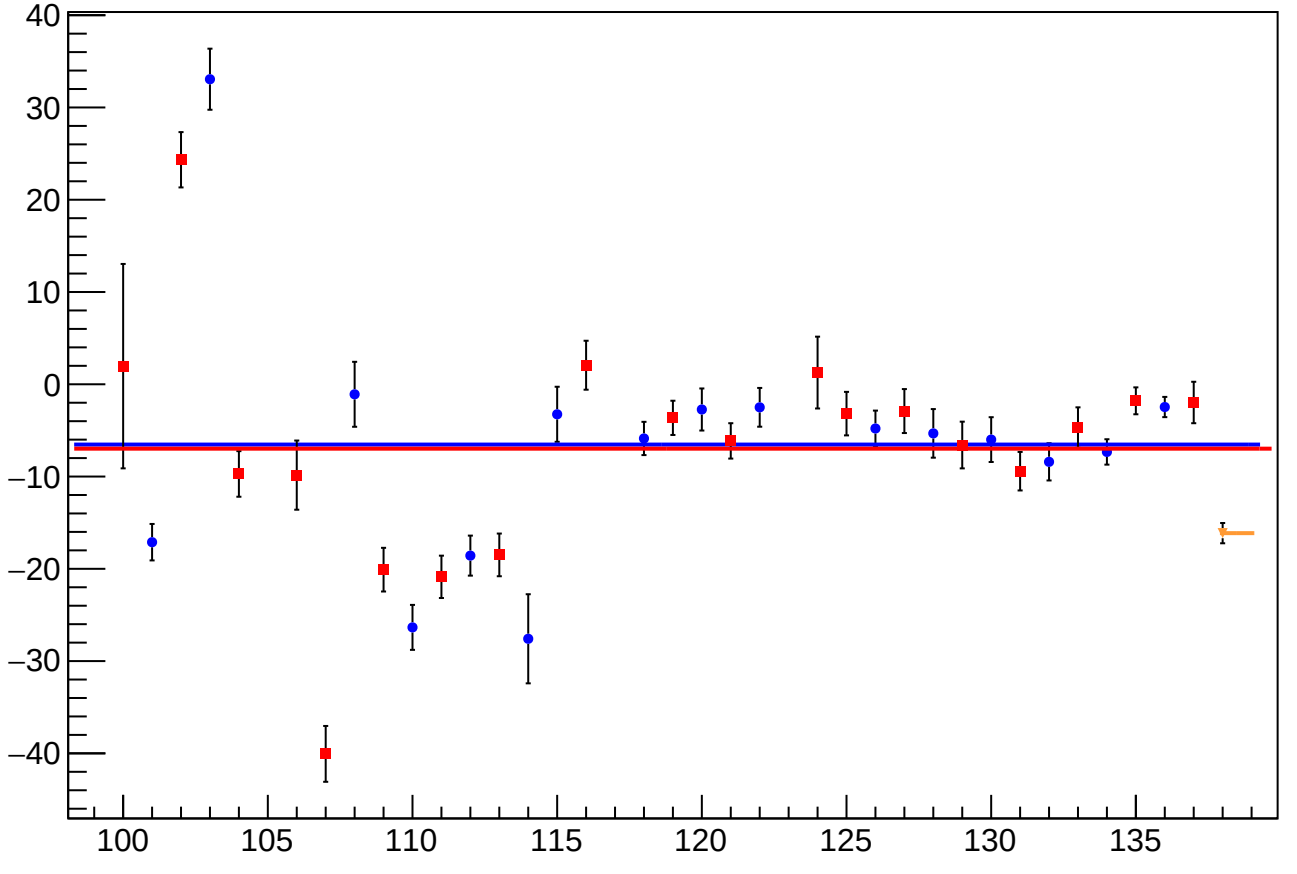
Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -10.978+/-0.453 χ^2/NDF:587.3/15

Out: -9.199+/-0.429 χ^2/NDF:808.3/19

All: -10.040+/-0.312 χ^2/NDF: 1403.7/35


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
105
110
115
120
125
130
135
Right In: -87.291+/-0.481 χ²/NDF: 101.2/15
Left Out: -65.090+/-0.000 χ²/NDF:0.0/0
Right Out: -86.431+/-0.506 χ²/NDF: 264.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -65.090+/-1.039 χ²/NDF: 0.0/0
Right: -86.883+/-0.348 χ²/NDF: 367.6/34
In: -87.291+/-0.481 χ²/NDF:101.2/15
Out: -82.339+/-0.455 χ²/NDF:606.0/19
All: -84.679+/-0.330 χ²/NDF: 763.2/35



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -16.134+/-1.099 χ^2/NDF:0.0/0

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

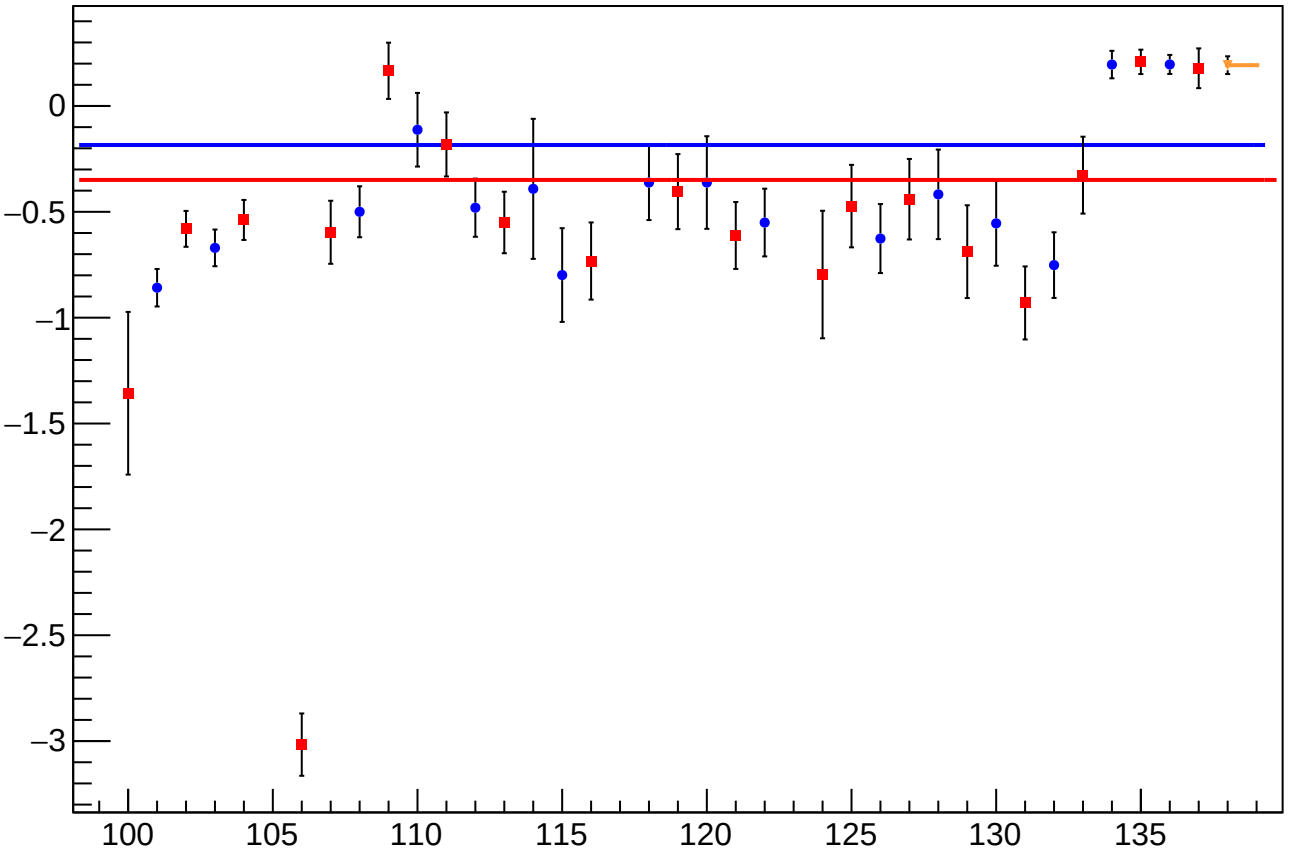
Left: -16.134+/-1.099 χ^2/NDF: 0.0/0

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -6.535+/-0.508 χ^2/NDF:313.9/15

Out: -8.769+/-0.486 χ^2/NDF:424.2/19

All: -7.702+/-0.351 χ^2/NDF: 748.2/35



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.193+/-0.042 χ^2/NDF:0.0/0

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.193+/-0.042 χ^2/NDF: 0.0/0

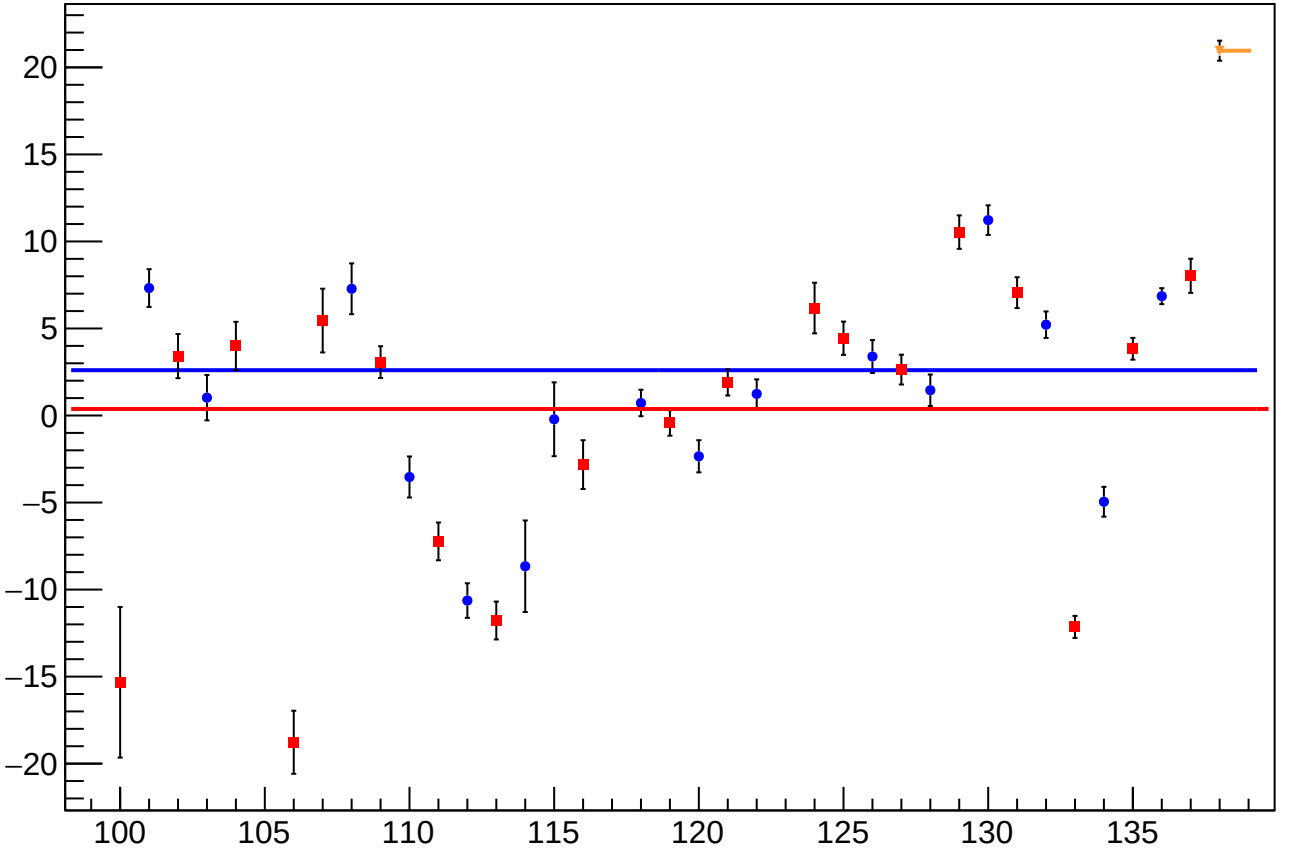
Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: -0.184+/-0.027 χ^2/NDF:247.3/15

Out: -0.171+/-0.024 χ^2/NDF:628.7/19

All: -0.177+/-0.018 χ^2/NDF: 876.1/35

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 20.958+/-0.577 χ^2/NDF:0.0/0

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

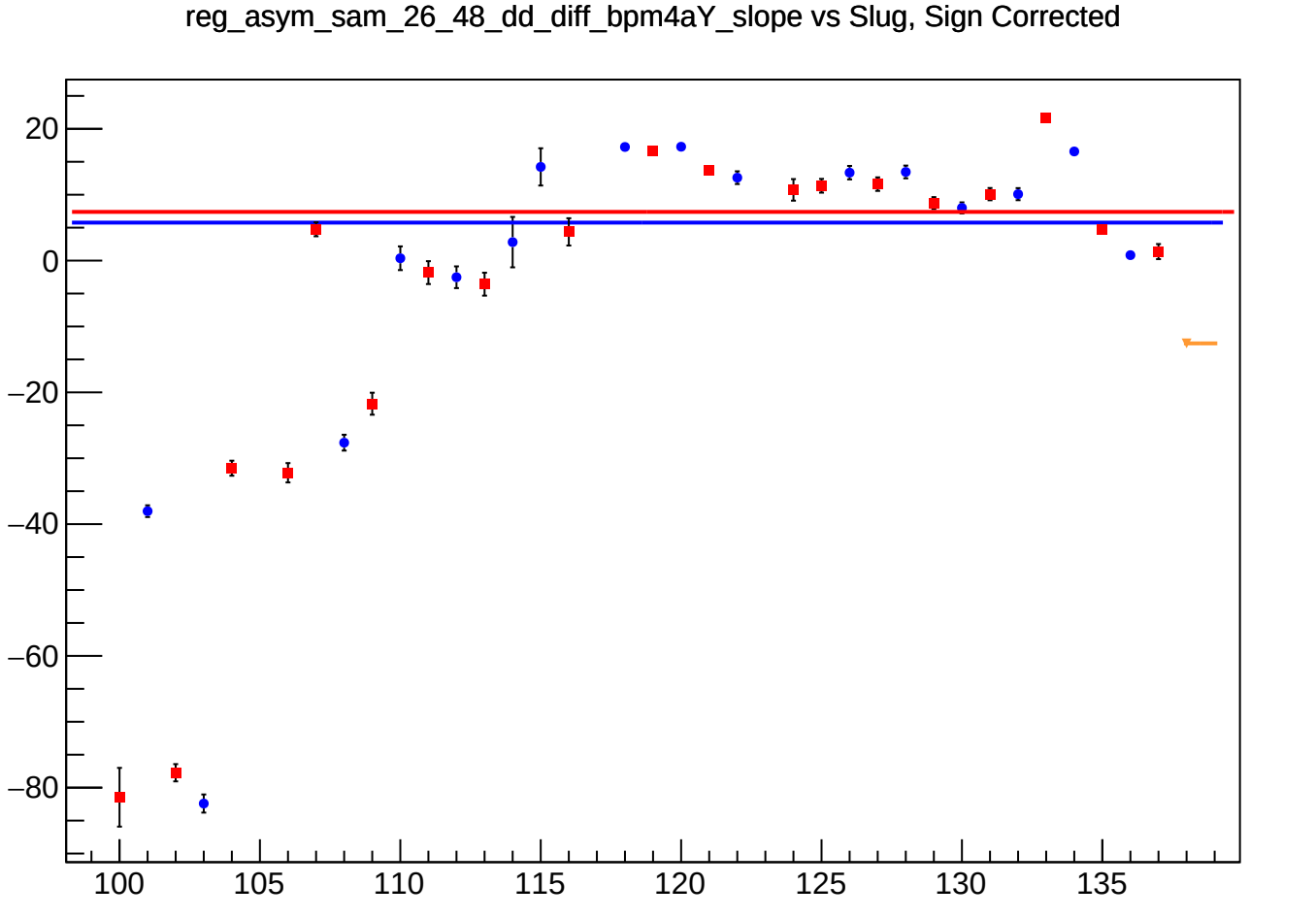
Left: 20.958+/-0.577 χ^2/NDF: 0.0/0

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 2.604+/-0.224 χ^2/NDF:573.1/15

Out: 3.039+/-0.207 χ^2/NDF:2140.2/19

All: 2.838+/-0.152 χ^2/NDF: 2715.4/35



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: -12.566+/-0.582 χ^2/NDF:0.0/0

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -12.566+/-0.582 χ^2/NDF: 0.0/0

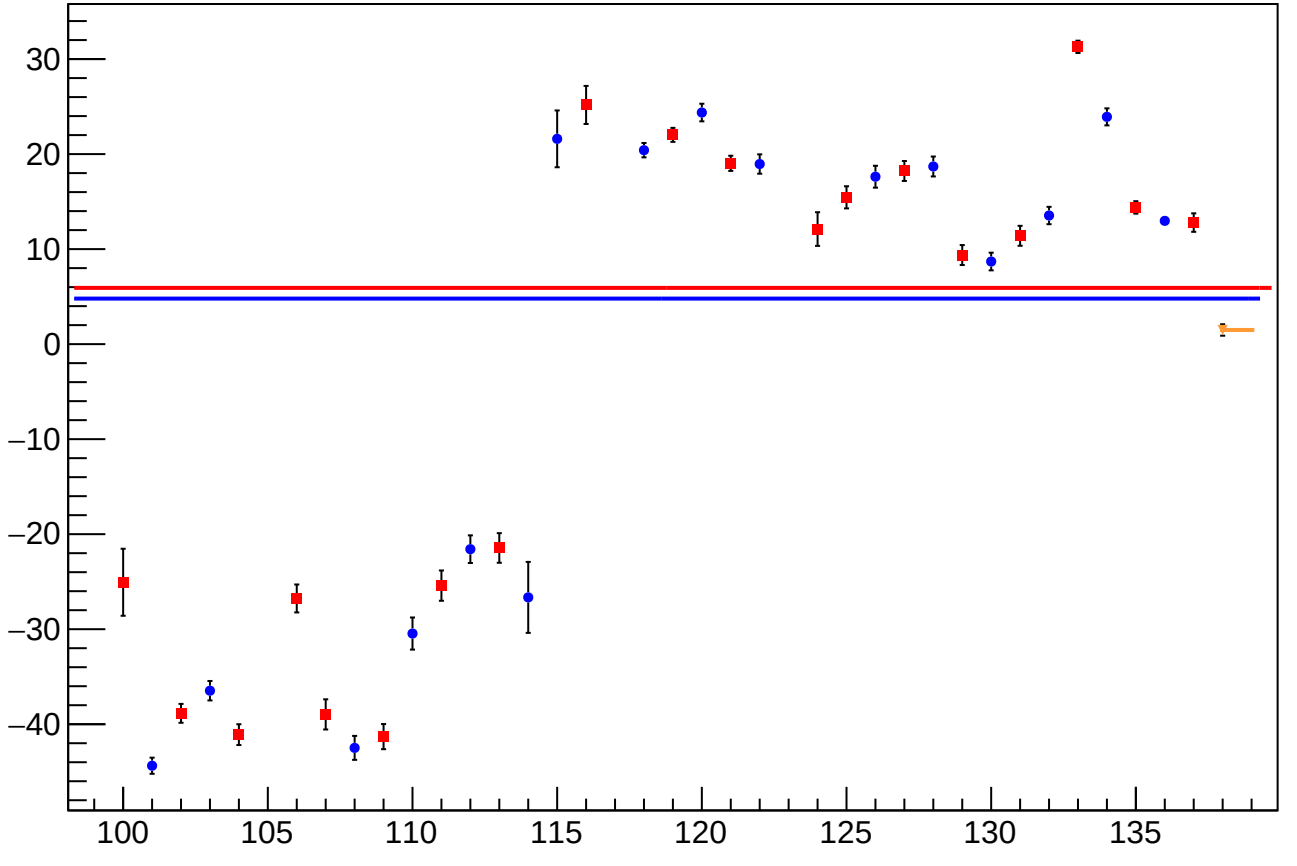
Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 5.768+/-0.210 χ^2/NDF:8933.8/15

Out: 5.119+/-0.196 χ^2/NDF:9432.3/19

All: 5.422+/-0.143 χ^2/NDF: 18371.2/35

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 1.492+/-0.602 χ^2/NDF:0.0/0

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.492+/-0.602 χ^2/NDF: 0.0/0

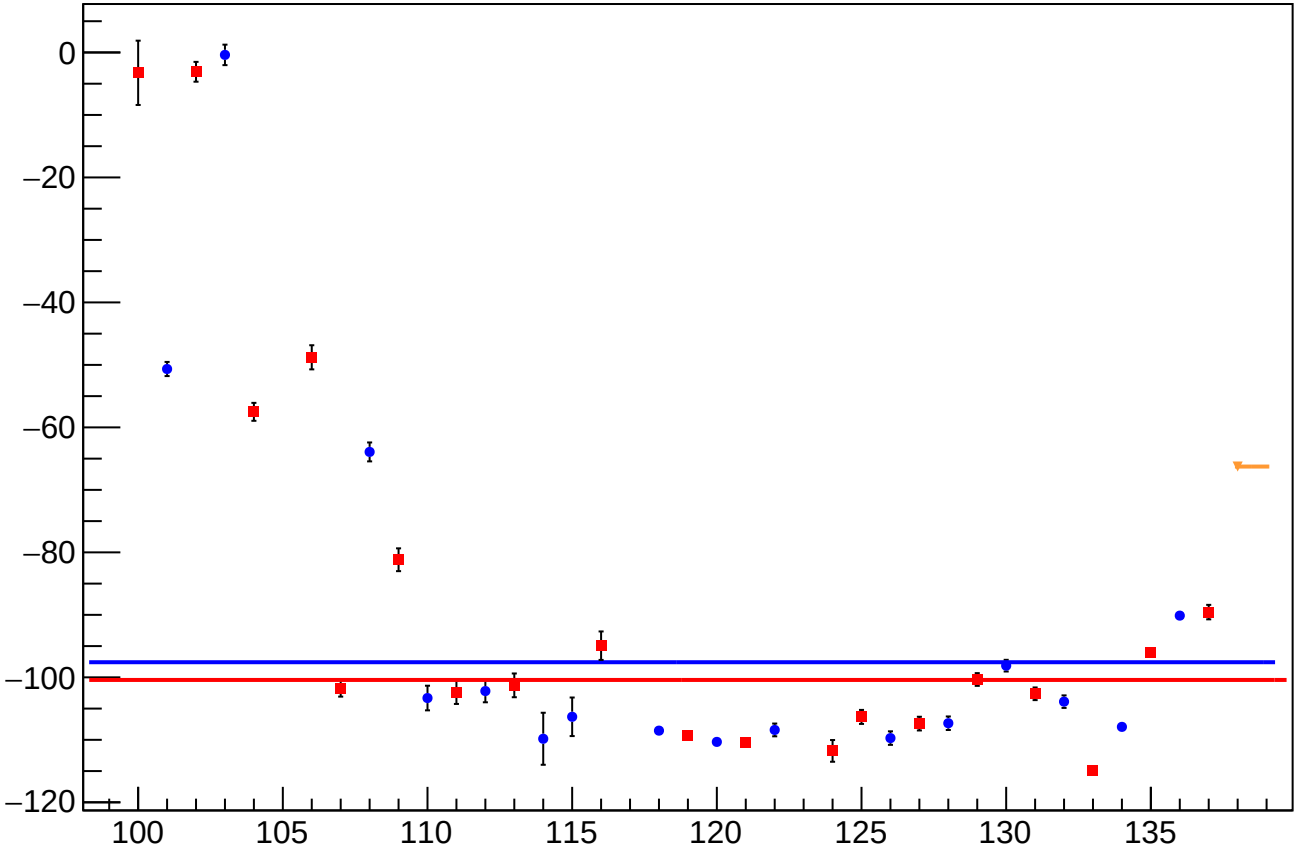
Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 4.794+/-0.237 χ^2/NDF:9496.9/15

Out: 5.314+/-0.223 χ^2/NDF:10106.1/19

All: 5.070+/-0.162 χ^2/NDF: 19605.5/35

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -66.269+/-0.662 χ^2/NDF:0.0/0

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

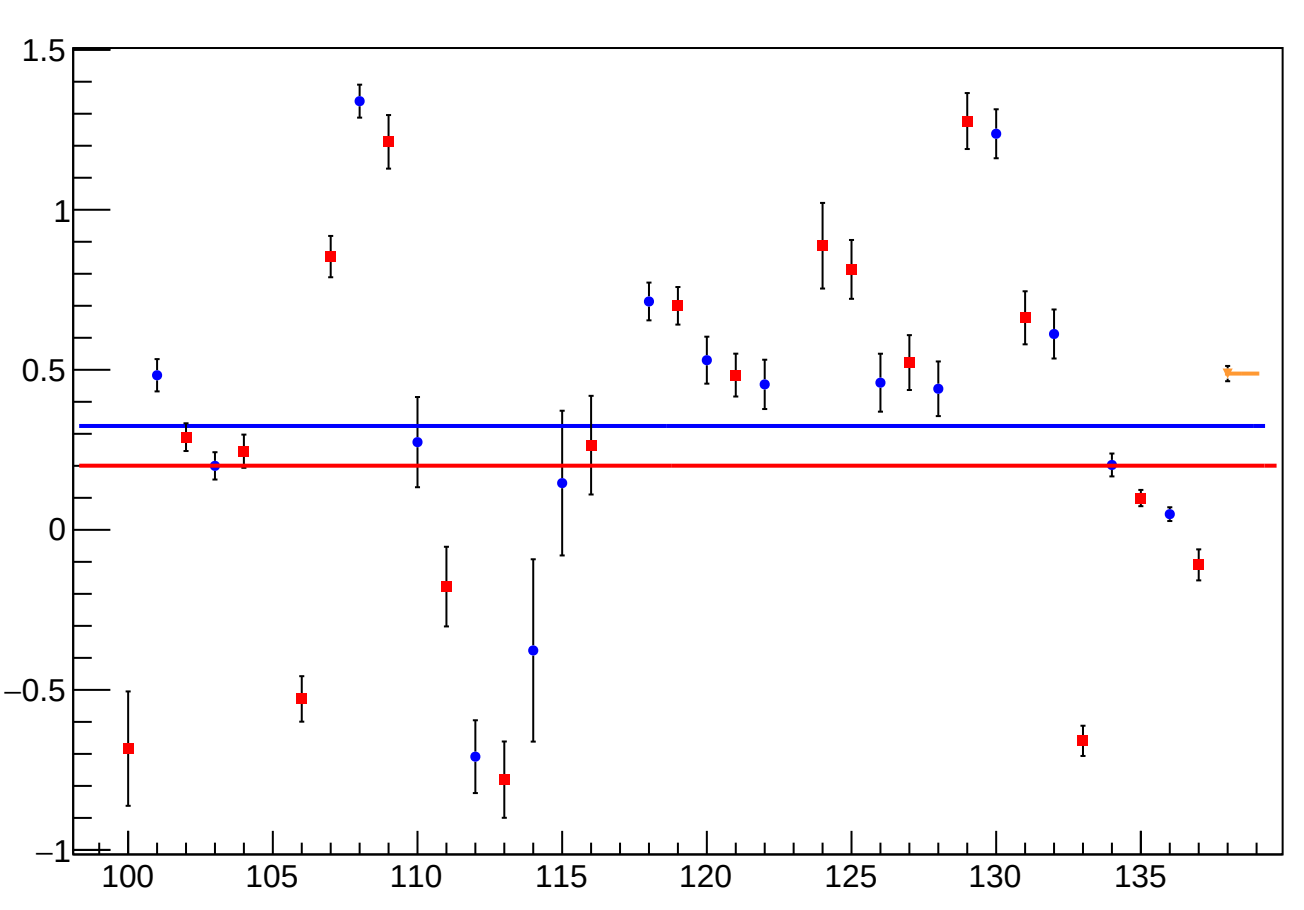
Left: -66.269+/-0.662 χ^2/NDF: 0.0/0

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -97.581+/-0.242 χ^2/NDF:7144.2/15

Out: -96.418+/-0.226 χ^2/NDF:9467.7/19

All: -96.962+/-0.165 χ^2/NDF: 16624.2/35



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.488+/-0.024 χ^2/NDF:0.0/0

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

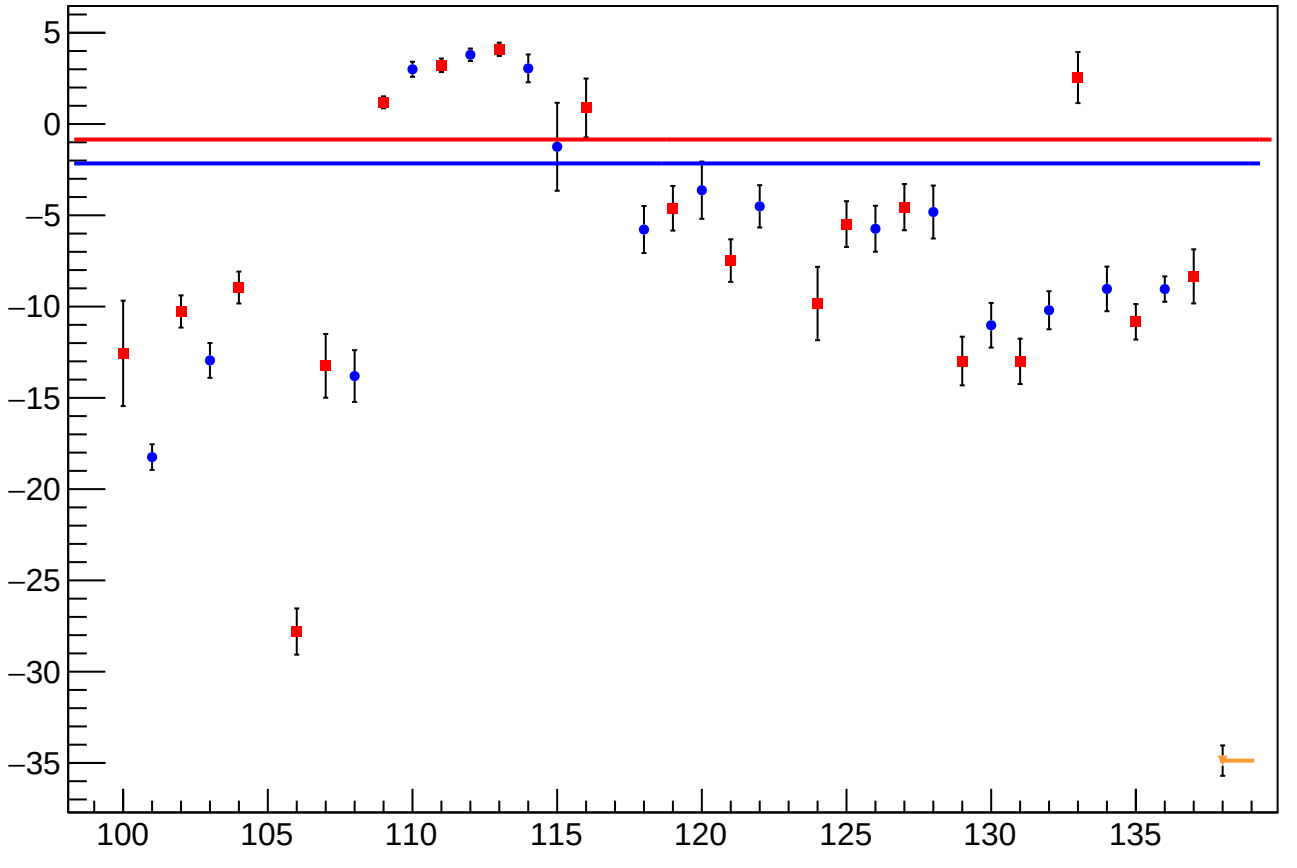
Left: 0.488+/-0.024 χ^2/NDF: 0.0/0

Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.324+/-0.013 χ^2/NDF:886.5/15

Out: 0.273+/-0.012 χ^2/NDF:1315.0/19

All: 0.296+/-0.009 χ^2/NDF: 2209.9/35



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -34.872+/-0.832 χ^2/NDF:0.0/0

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -34.872+/-0.832 χ^2/NDF: 0.0/0

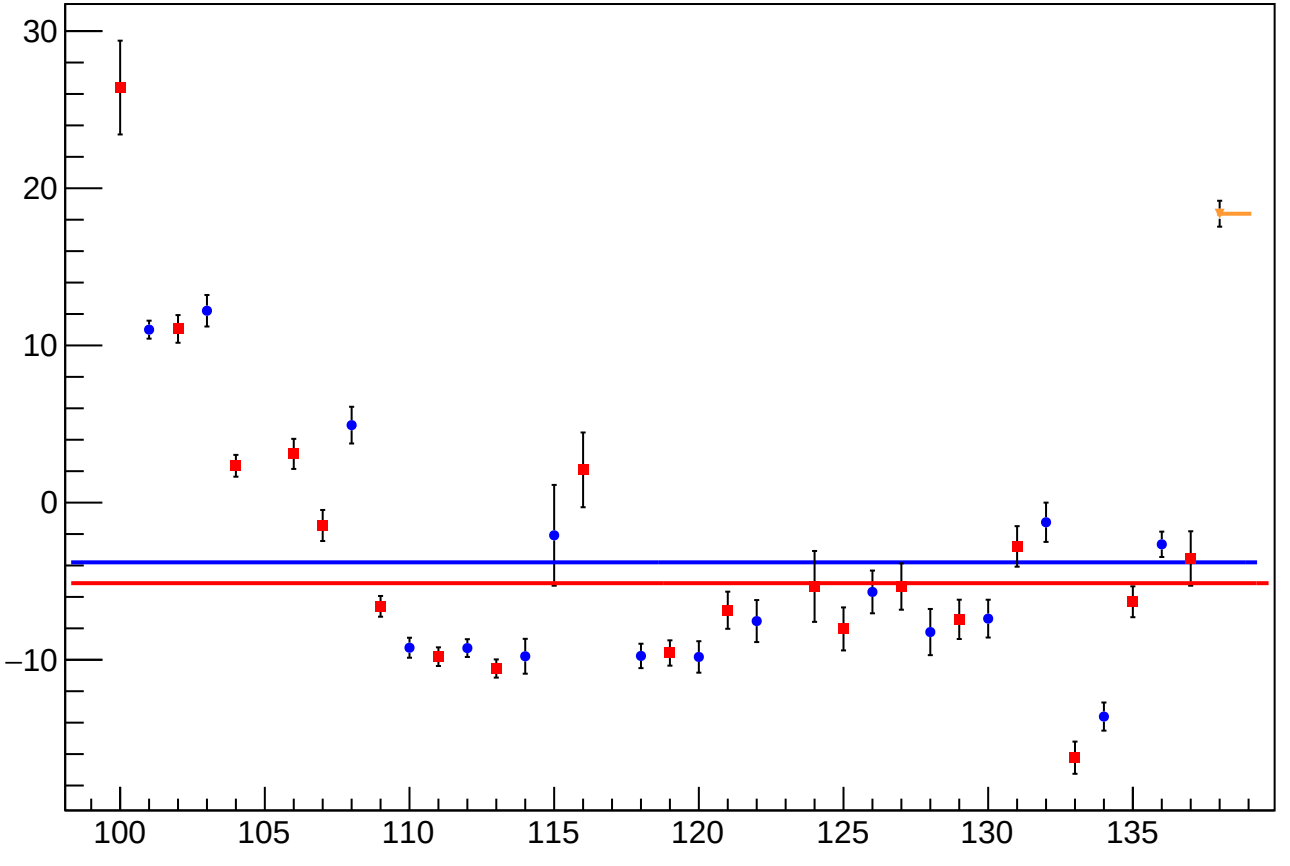
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -2.159+/-0.192 χ^2/NDF:1491.0/15

Out: -2.219+/-0.167 χ^2/NDF:3071.3/19

All: -2.193+/-0.126 χ^2/NDF: 4562.3/35

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: 18.380+/-0.825 χ^2/NDF:0.0/0

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 18.380+/-0.825 χ^2/NDF: 0.0/0

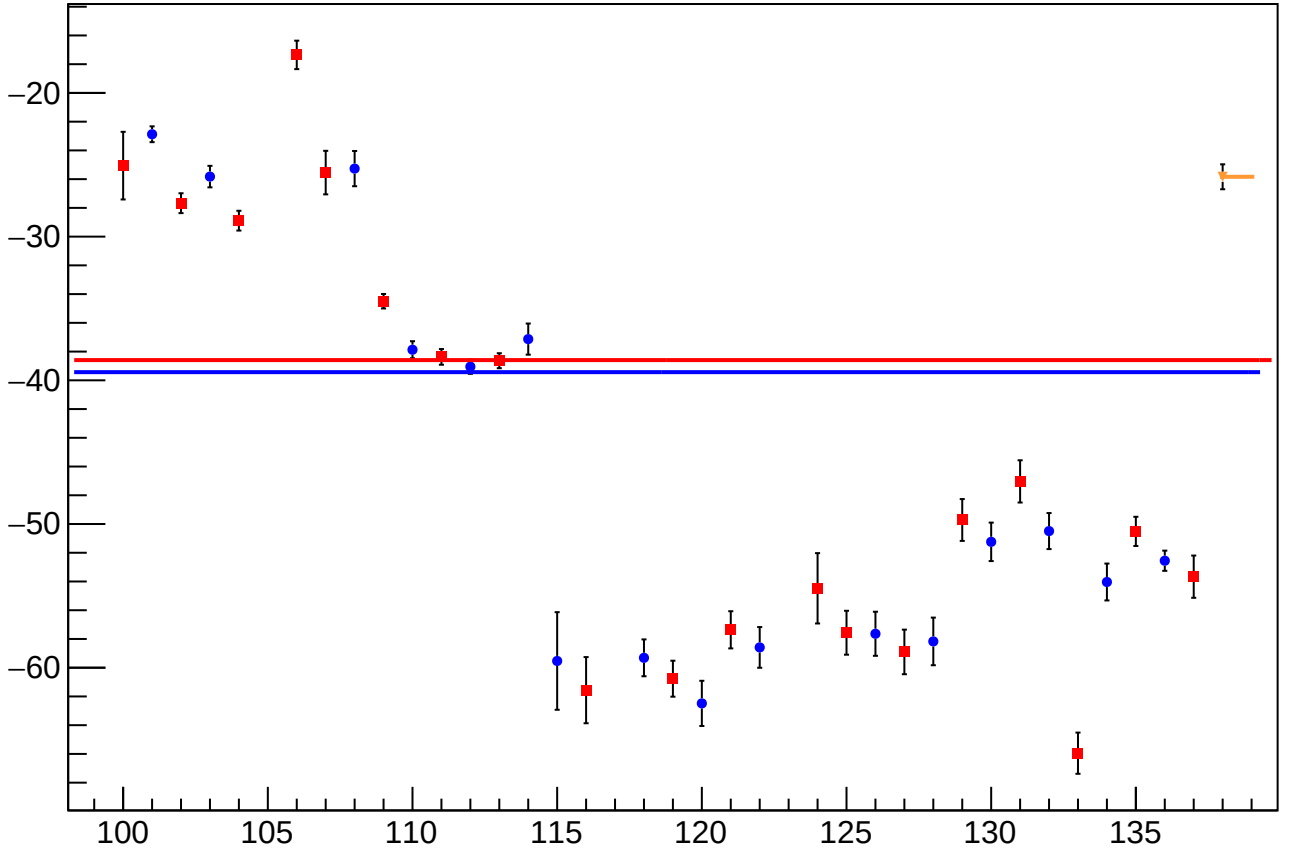
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.800+/-0.226 χ^2/NDF:1425.5/15

Out: -3.583+/-0.211 χ^2/NDF:1738.5/19

All: -3.685+/-0.154 χ^2/NDF: 3164.5/35

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -25.836+/-0.868 χ^2/NDF:0.0/0

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

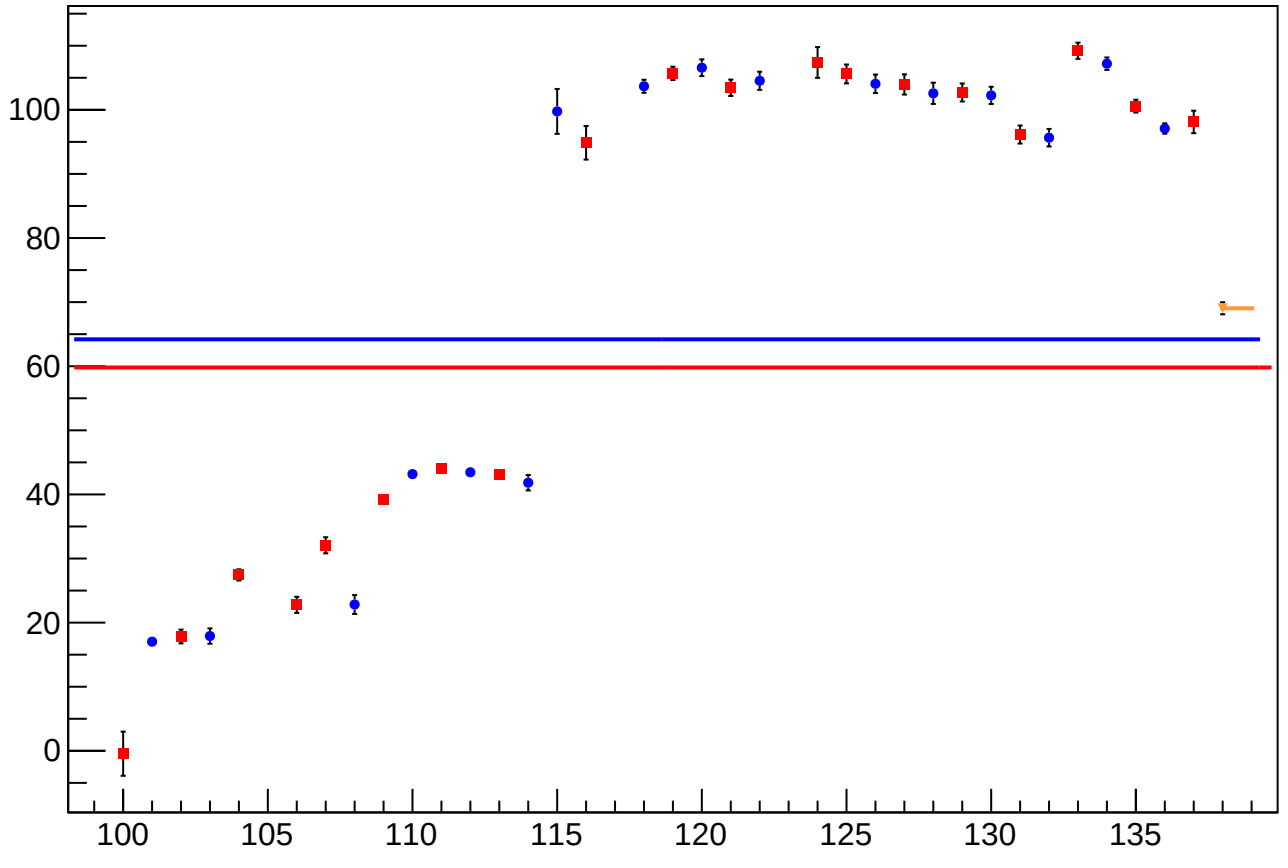
Left: -25.836+/-0.868 χ^2/NDF: 0.0/0

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -39.431+/-0.225 χ^2/NDF:2958.1/15

Out: -37.871+/-0.206 χ^2/NDF:2976.0/19

All: -38.582+/-0.152 χ^2/NDF: 5960.2/35



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 69.041+/-0.943 χ^2/NDF:0.0/0

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

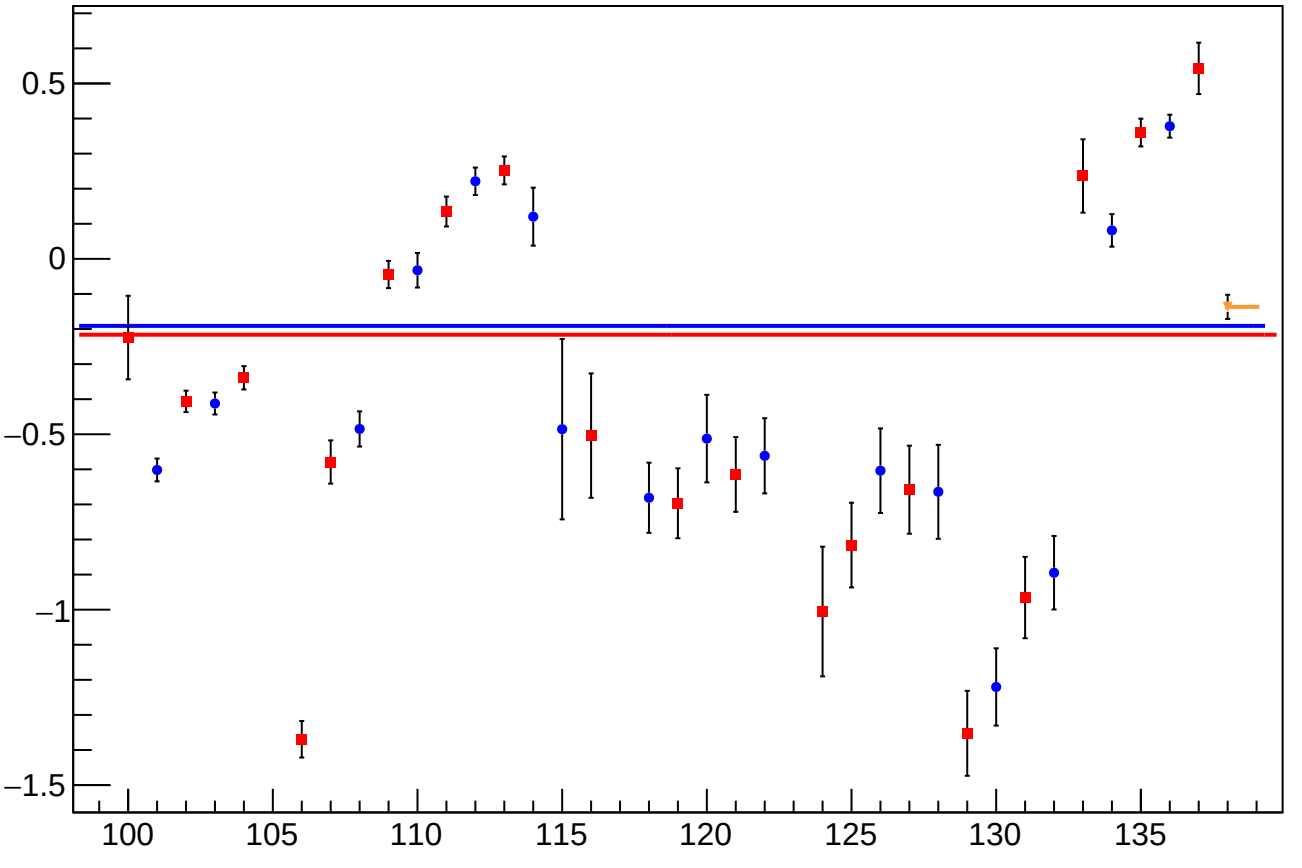
Left: 69.041+/-0.943 χ^2/NDF: 0.0/0

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 64.196+/-0.258 χ^2/NDF:18596.4/15

Out: 60.407+/-0.241 χ^2/NDF:17520.9/19

All: 62.172+/-0.176 χ^2/NDF: 36233.0/35



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.137+/-0.035 χ^2/NDF:0.0/0

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

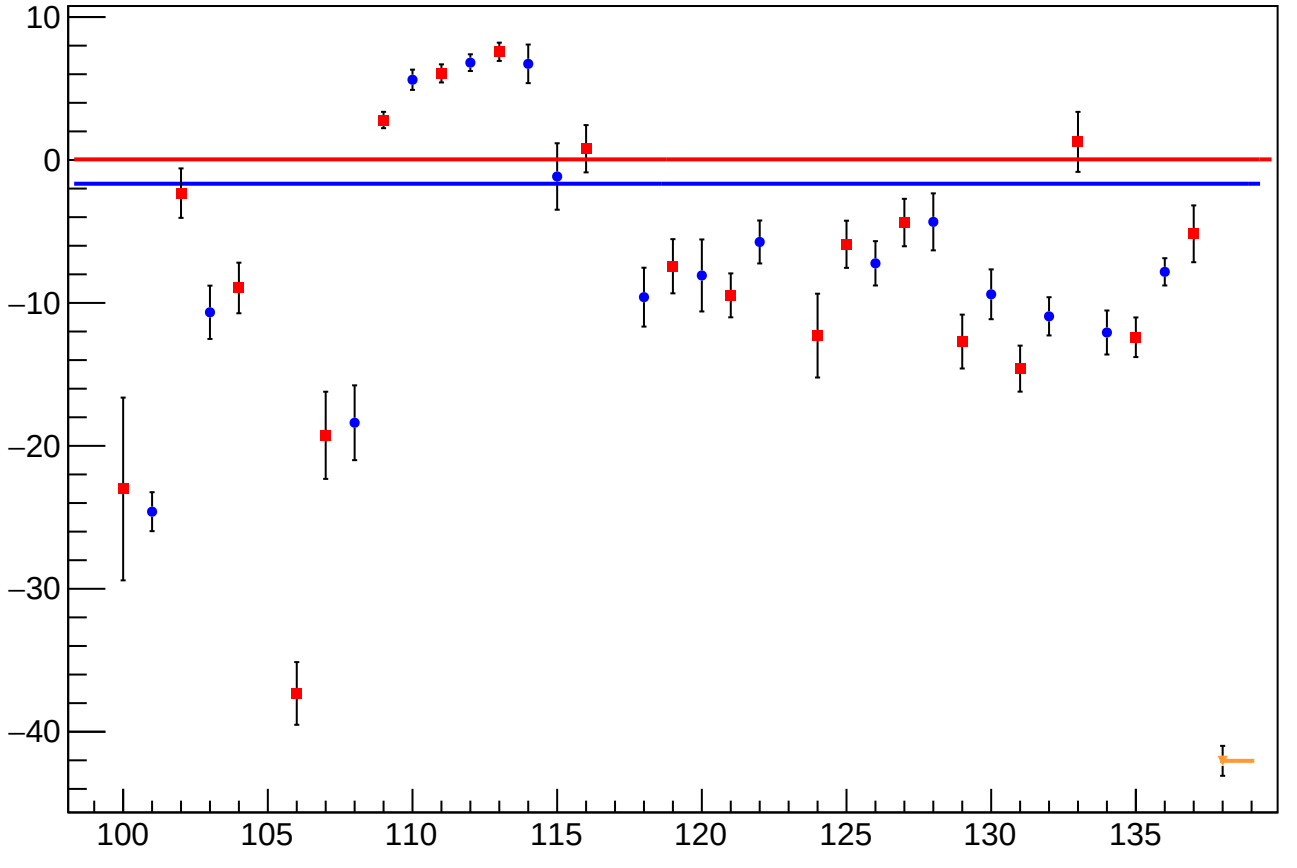
Left: -0.137+/-0.035 χ^2/NDF: 0.0/0

Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.191+/-0.013 χ^2/NDF:918.3/15

Out: -0.207+/-0.012 χ^2/NDF:1372.7/19

All: -0.200+/-0.009 χ^2/NDF: 2291.8/35



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -42.036+/-1.047 χ^2/NDF:0.0/0

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -42.036+/-1.047 χ^2/NDF: 0.0/0

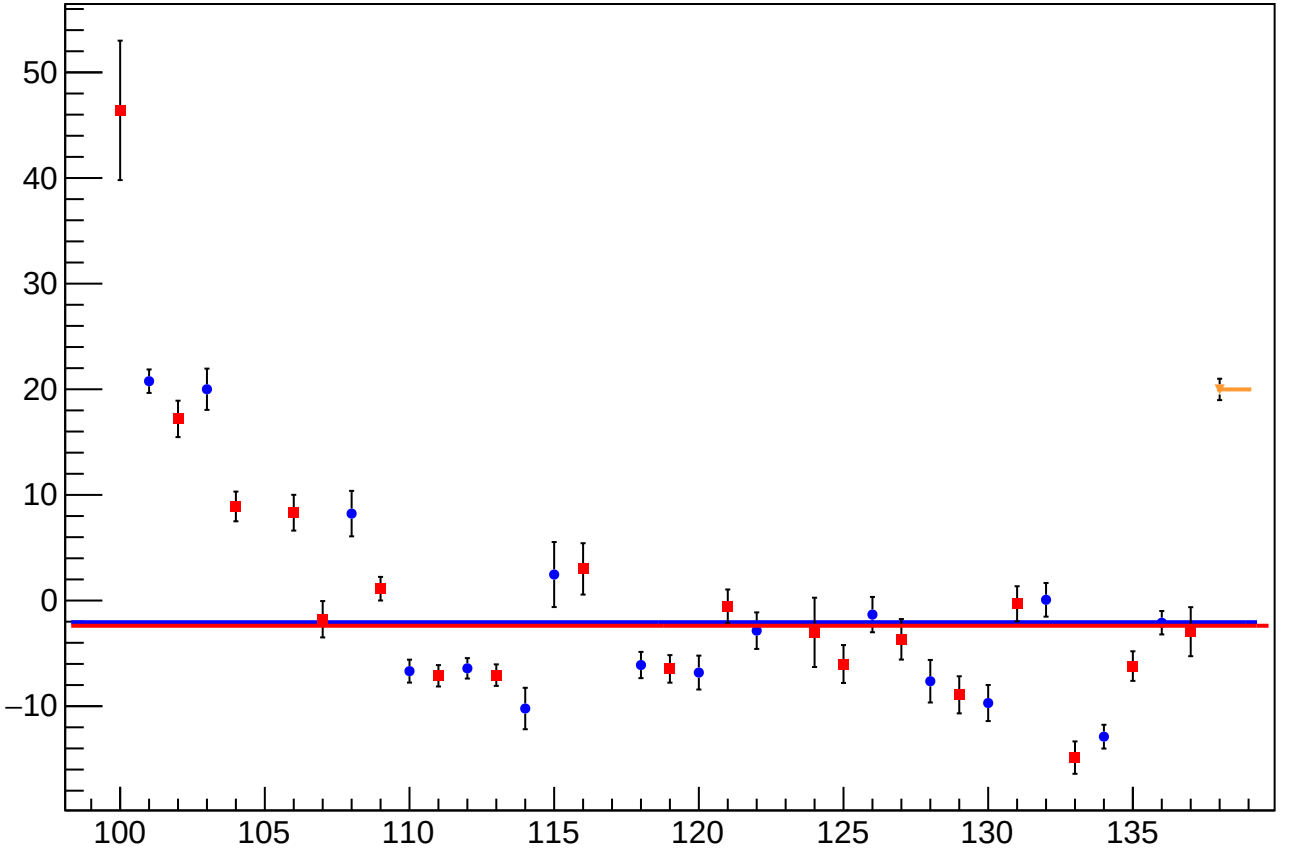
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -1.661+/-0.308 χ^2/NDF:900.3/15

Out: -2.802+/-0.272 χ^2/NDF:2436.9/19

All: -2.301+/-0.204 χ^2/NDF: 3344.9/35

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: 19.987+/-1.012 χ^2/NDF:0.0/0

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

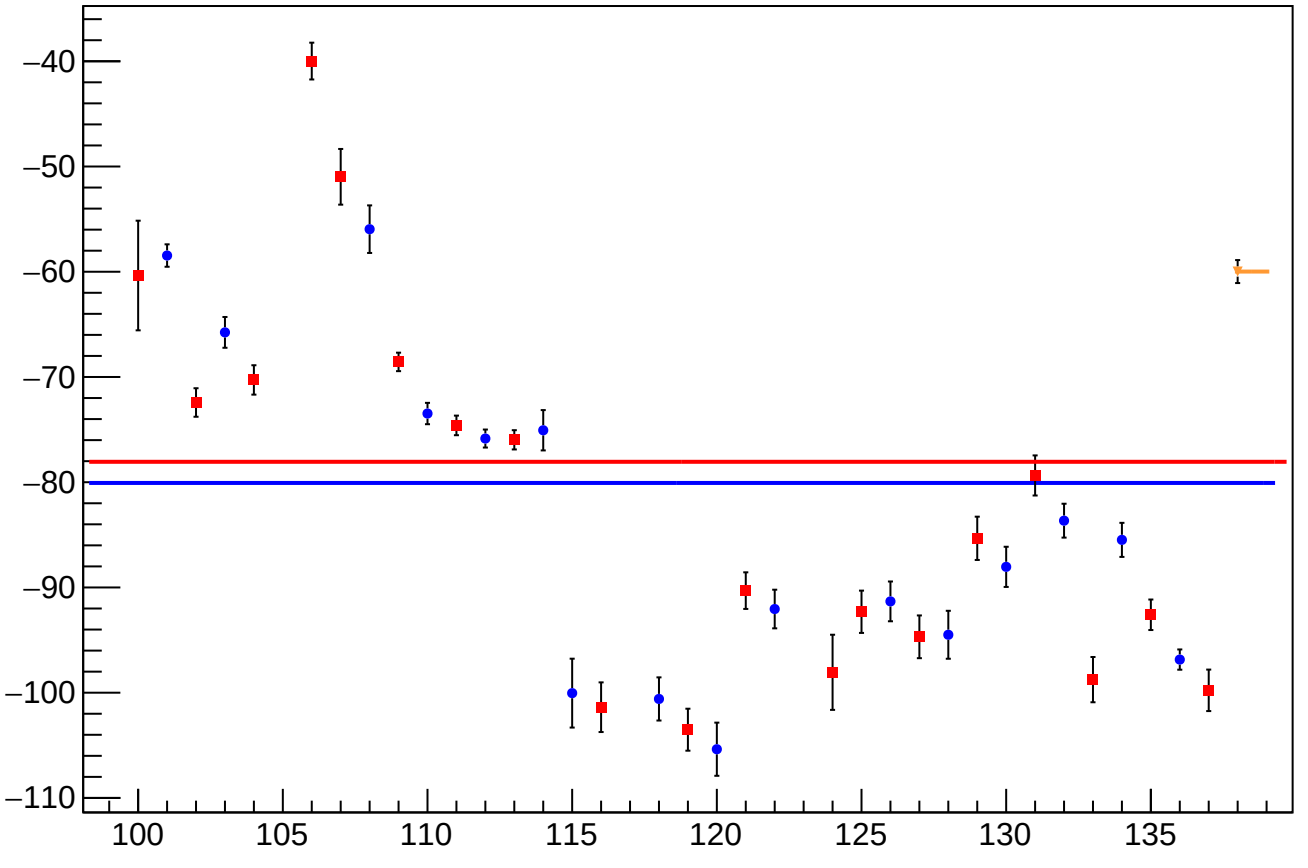
Left: 19.987+/-1.012 χ^2/NDF: 0.0/0

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -2.050+/-0.356 χ^2/NDF:771.9/15

Out: 0.069+/-0.335 χ^2/NDF:886.0/19

All: -0.927+/-0.244 χ^2/NDF: 1676.6/35



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -59.983+/-1.092 χ^2/NDF:0.0/0

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -59.983+/-1.092 χ^2/NDF: 0.0/0

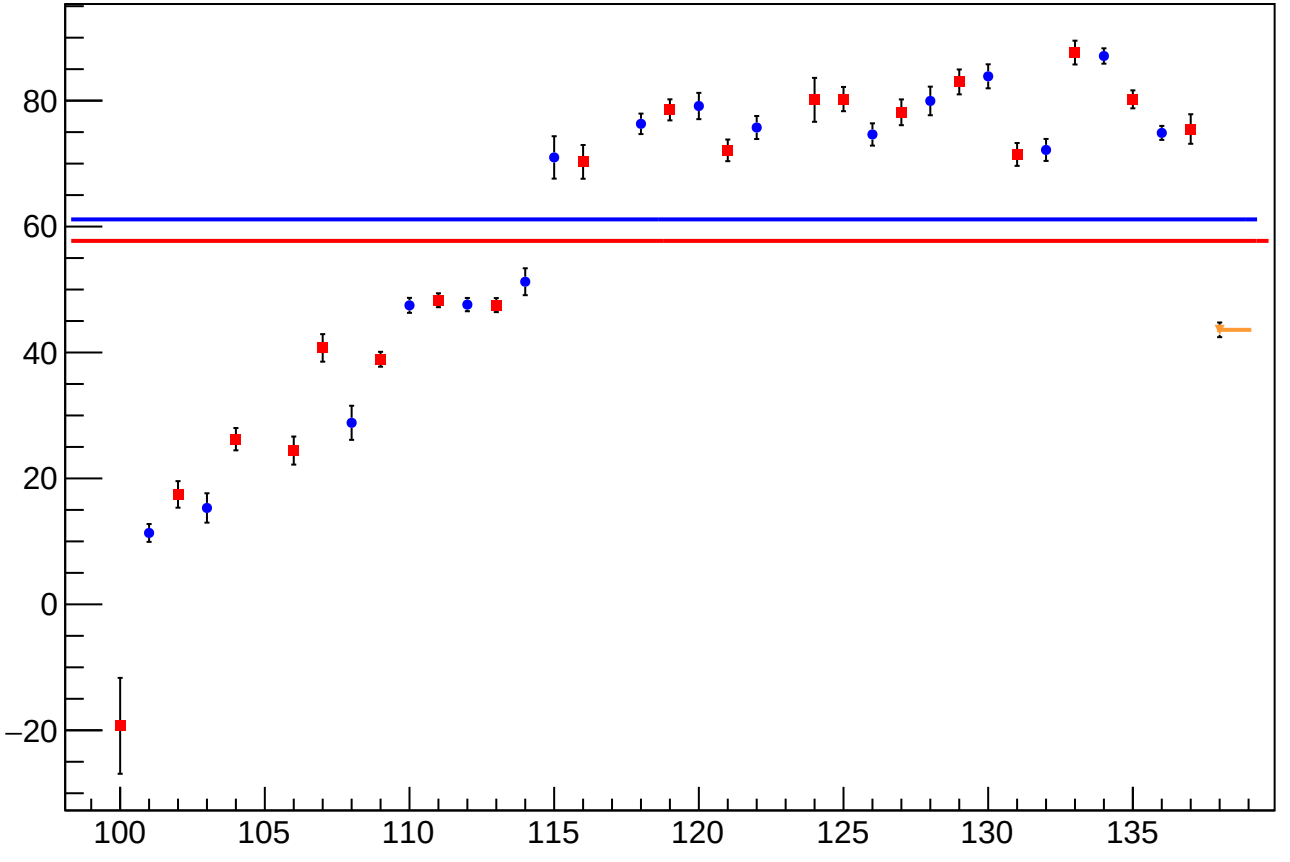
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -80.069+/-0.364 χ^2/NDF:1387.2/15

Out: -76.345+/-0.336 χ^2/NDF:1809.2/19

All: -78.058+/-0.247 χ^2/NDF: 3252.8/35

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 43.600+/-1.164 χ^2/NDF:0.0/0

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

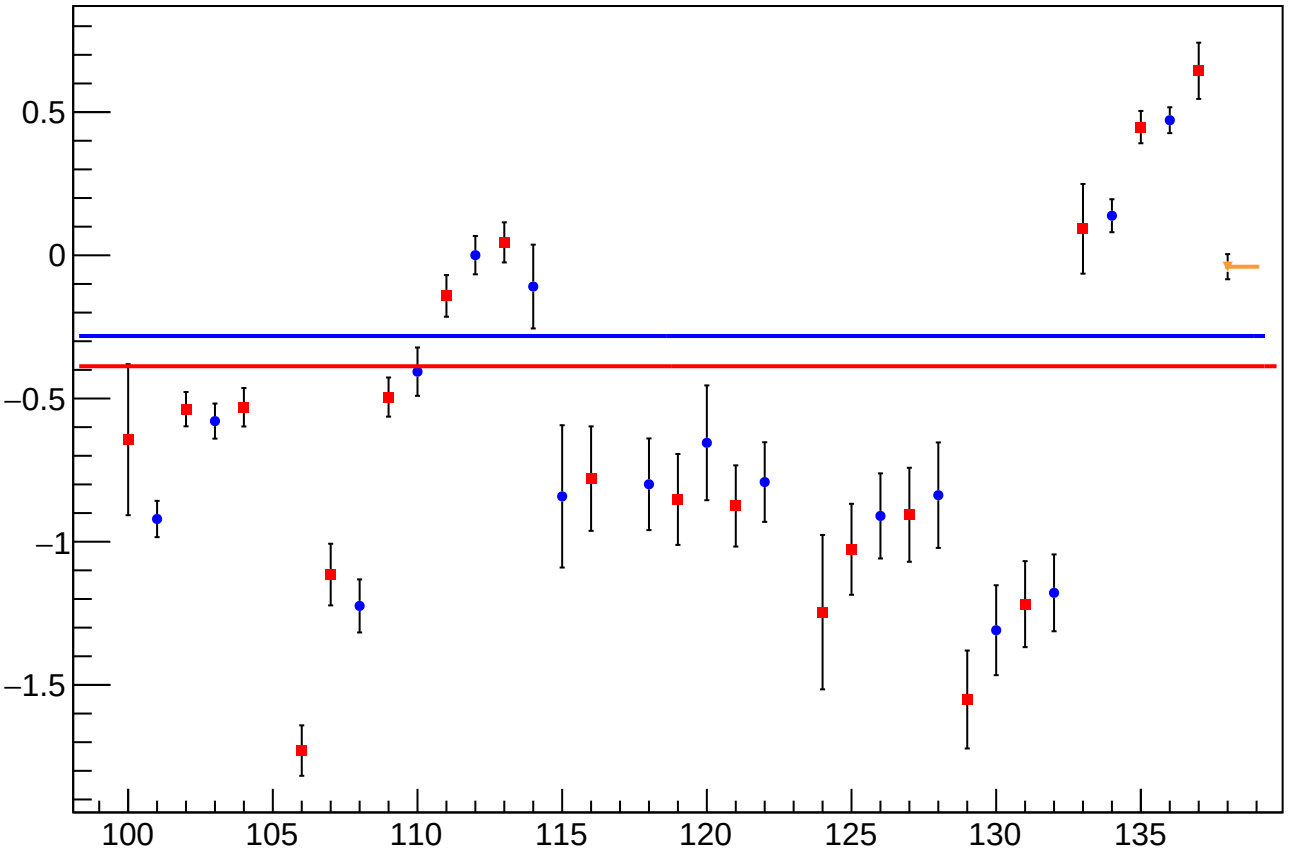
Left: 43.600+/-1.164 χ^2/NDF: 0.0/0

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 61.139+/-0.401 χ^2/NDF:3229.3/15

Out: 56.236+/-0.378 χ^2/NDF:2907.3/19

All: 58.548+/-0.275 χ^2/NDF: 6215.8/35



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: -0.040+/-0.044 χ^2/NDF:0.0/0

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

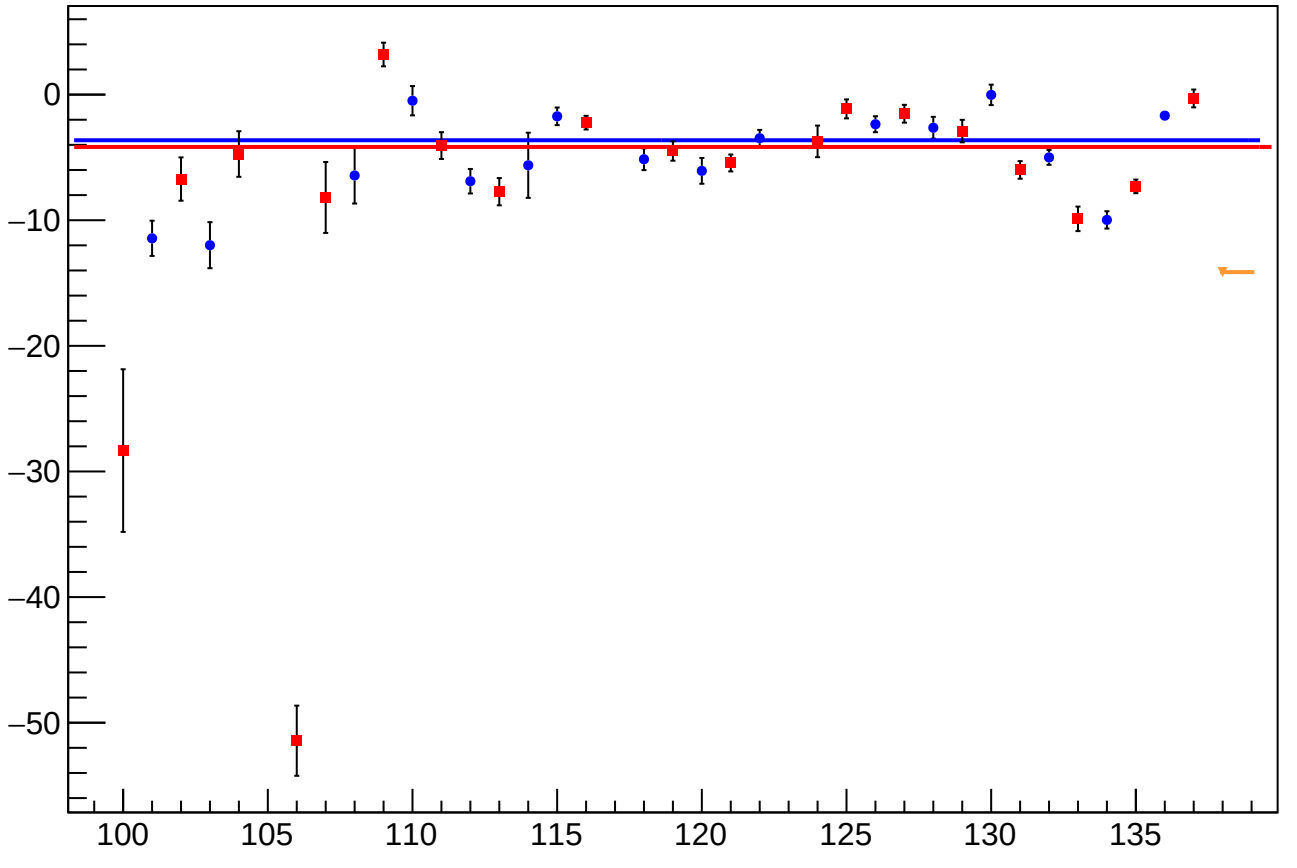
Left: -0.040+/-0.044 χ^2/NDF: 0.0/0

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.282+/-0.022 χ^2/NDF:728.2/15

Out: -0.318+/-0.020 χ^2/NDF:869.0/19

All: -0.302+/-0.015 χ^2/NDF: 1598.8/35



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -14.129+/-0.355 χ^2/NDF:0.0/0

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -14.129+/-0.355 χ^2/NDF: 0.0/0

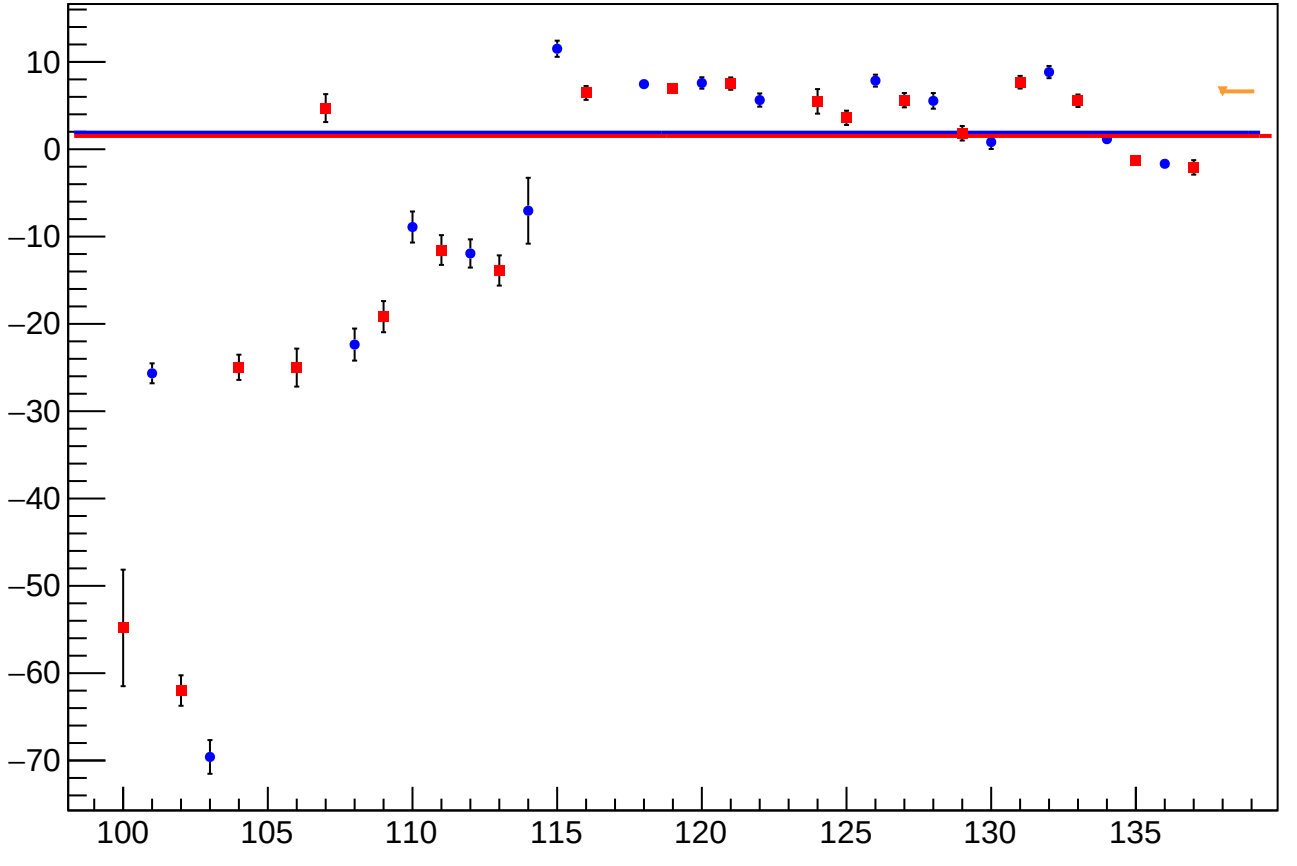
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -3.634+/-0.189 χ^2/NDF:234.8/15

Out: -6.562+/-0.174 χ^2/NDF:1129.6/19

All: -5.220+/-0.128 χ^2/NDF: 1494.3/35

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: 6.628+/-0.339 χ^2/NDF:0.0/0

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6.628+/-0.339 χ^2/NDF: 0.0/0

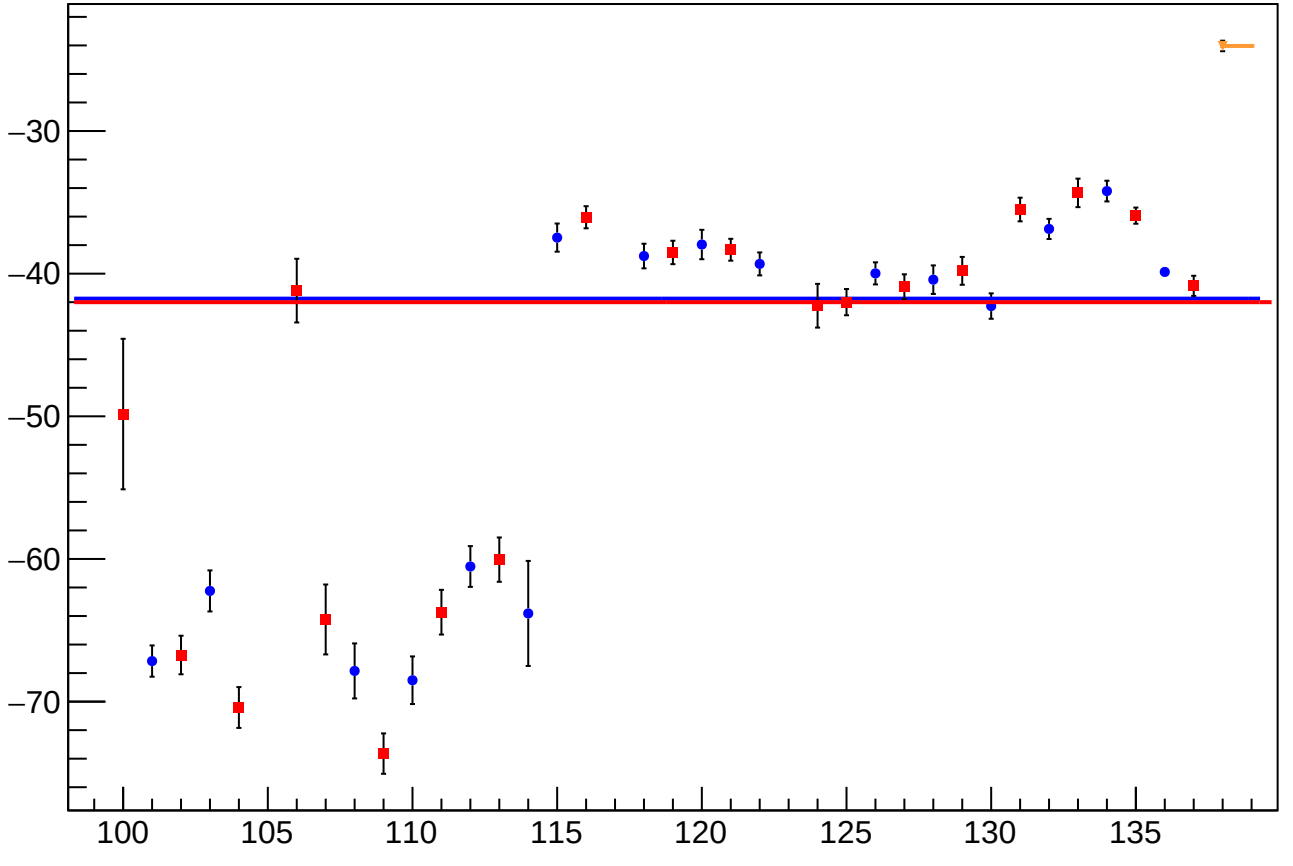
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 1.898+/-0.189 χ^2/NDF:2838.2/15

Out: 2.923+/-0.177 χ^2/NDF:2724.3/19

All: 2.443+/-0.129 χ^2/NDF: 5578.1/35

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: -24.037+/-0.370 χ^2/NDF:0.0/0

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -24.037+/-0.370 χ^2/NDF: 0.0/0

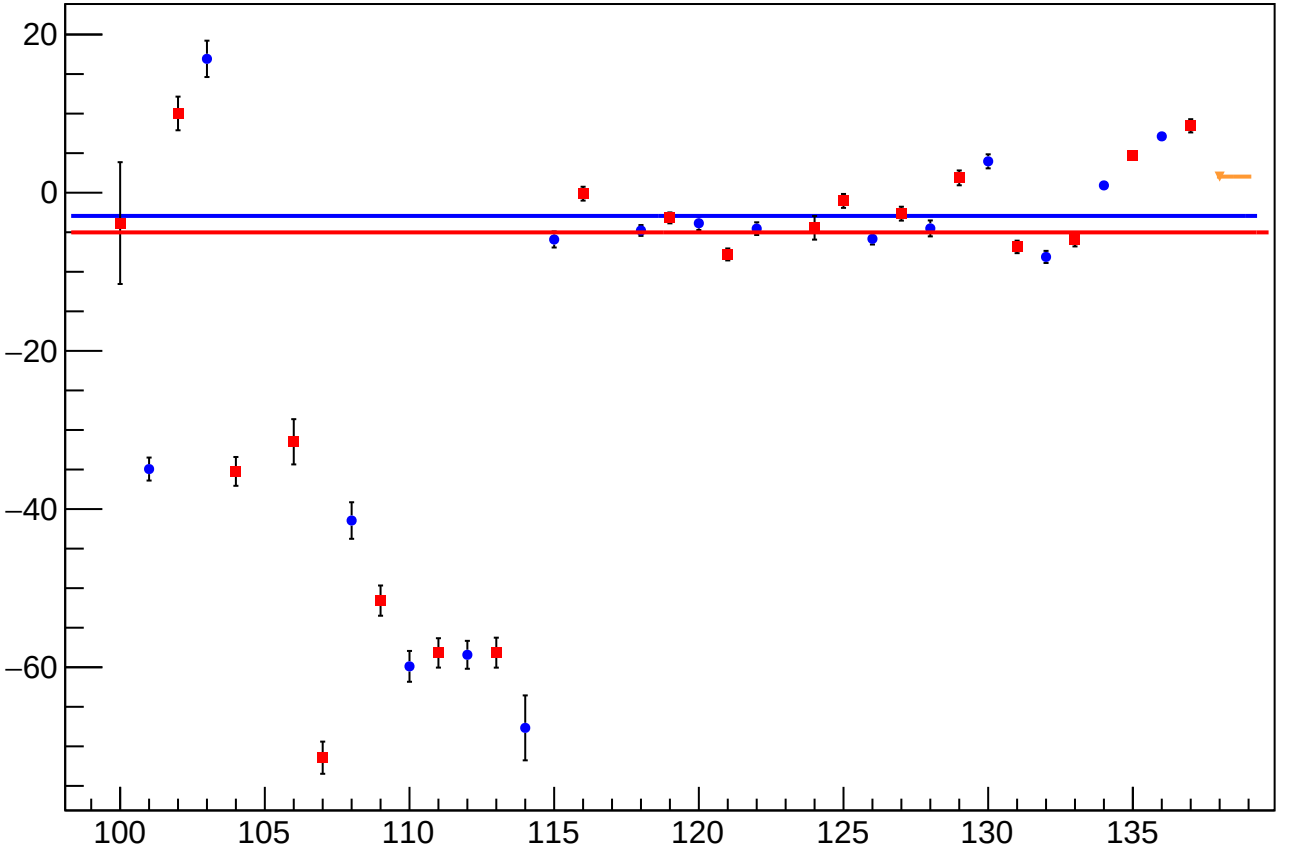
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -41.751+/-0.208 χ^2/NDF:1633.9/15

Out: -37.042+/-0.194 χ^2/NDF:3693.9/19

All: -39.240+/-0.142 χ^2/NDF: 5602.1/35

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: 2.035+/-0.391 χ^2/NDF:0.0/0

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

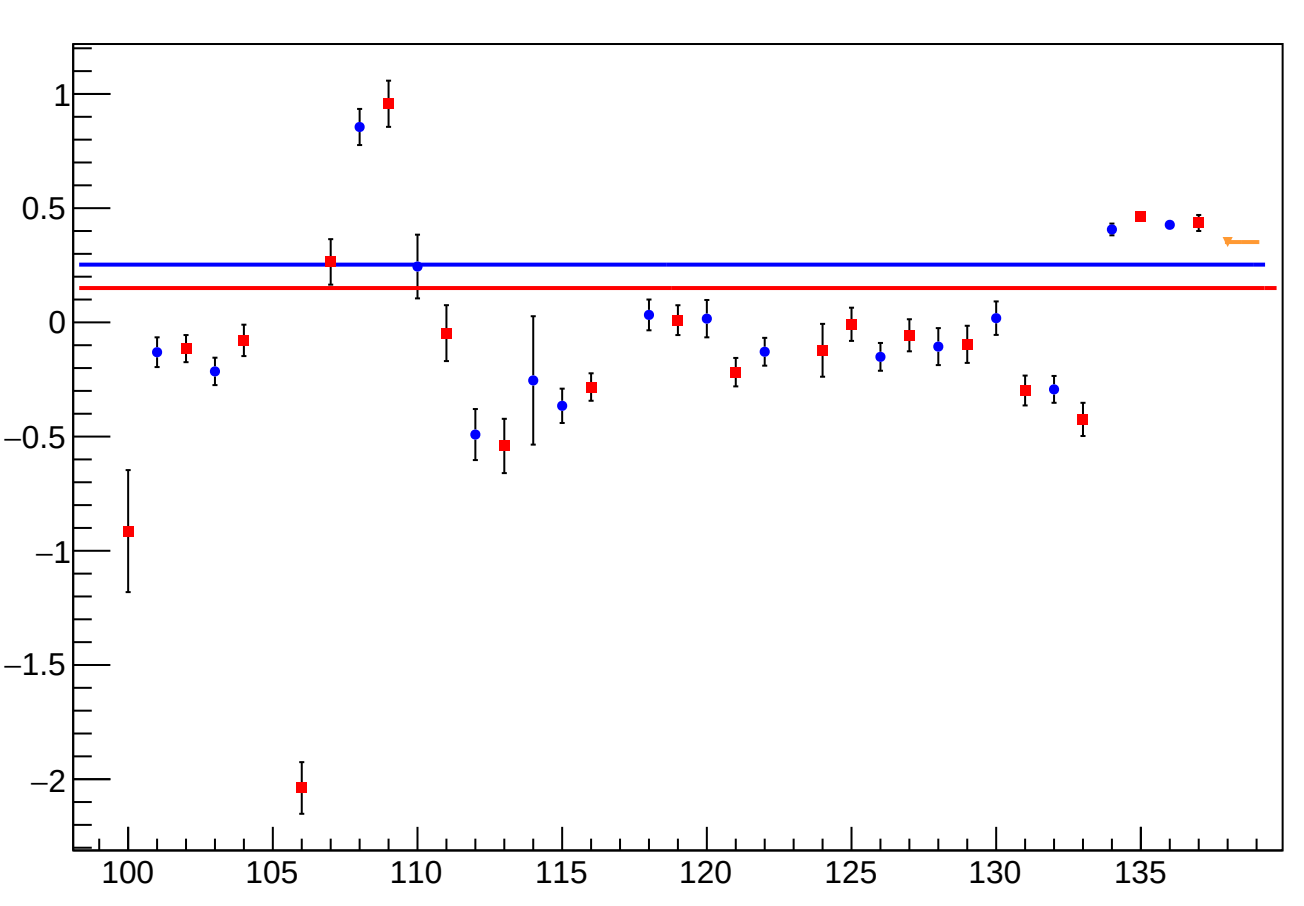
Left: 2.035+/-0.391 χ^2/NDF: 0.0/0

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: -2.936+/-0.210 χ^2/NDF:3725.6/15

Out: -3.184+/-0.199 χ^2/NDF:4618.0/19

All: -3.066+/-0.144 χ^2/NDF: 8344.3/35



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.352+/-0.015 χ^2/NDF:0.0/0

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

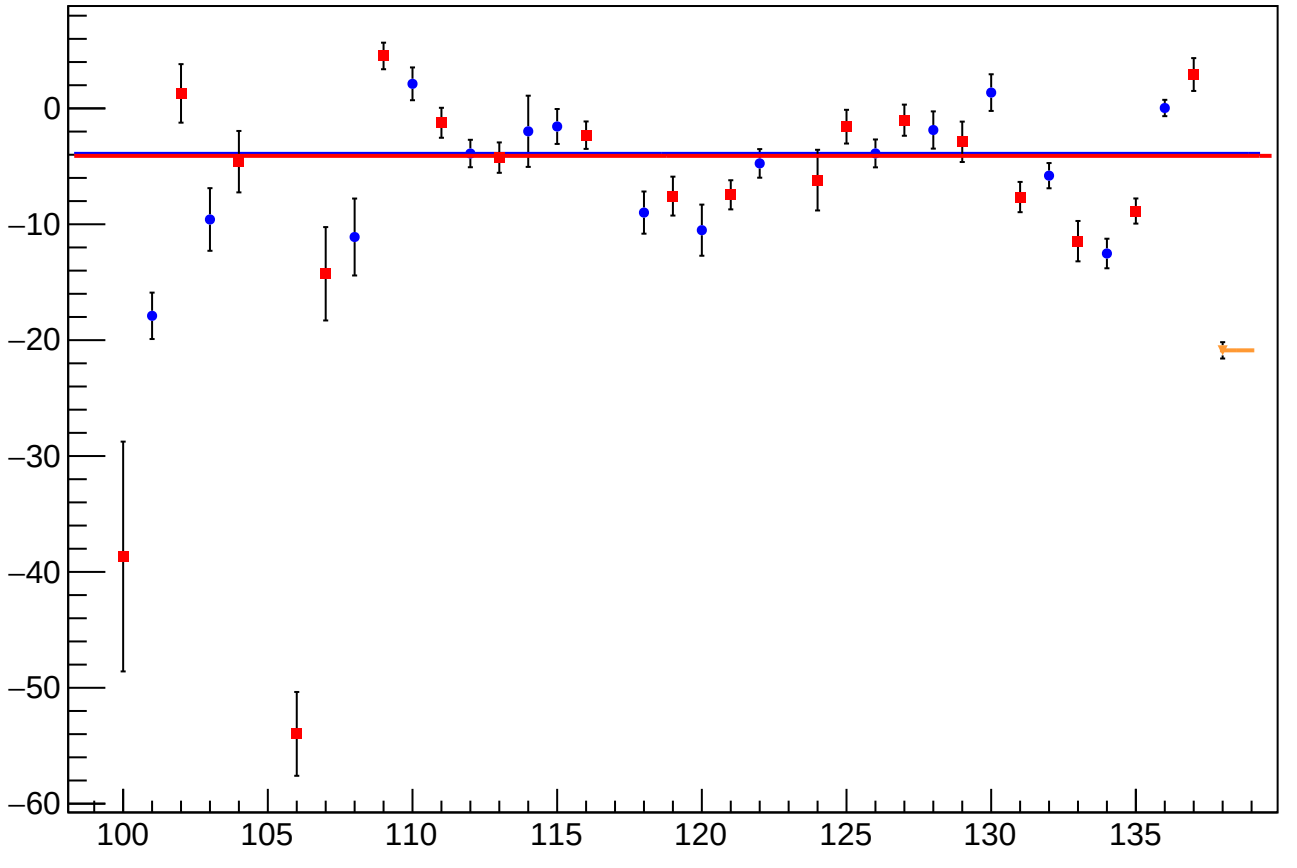
Left: 0.352+/-0.015 χ^2/NDF: 0.0/0

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.253+/-0.011 χ^2/NDF:631.0/15

Out: 0.240+/-0.010 χ^2/NDF:1119.2/19

All: 0.245+/-0.008 χ^2/NDF: 1750.9/35



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -20.879+/-0.706 χ^2/NDF:0.0/0

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -20.879+/-0.706 χ^2/NDF: 0.0/0

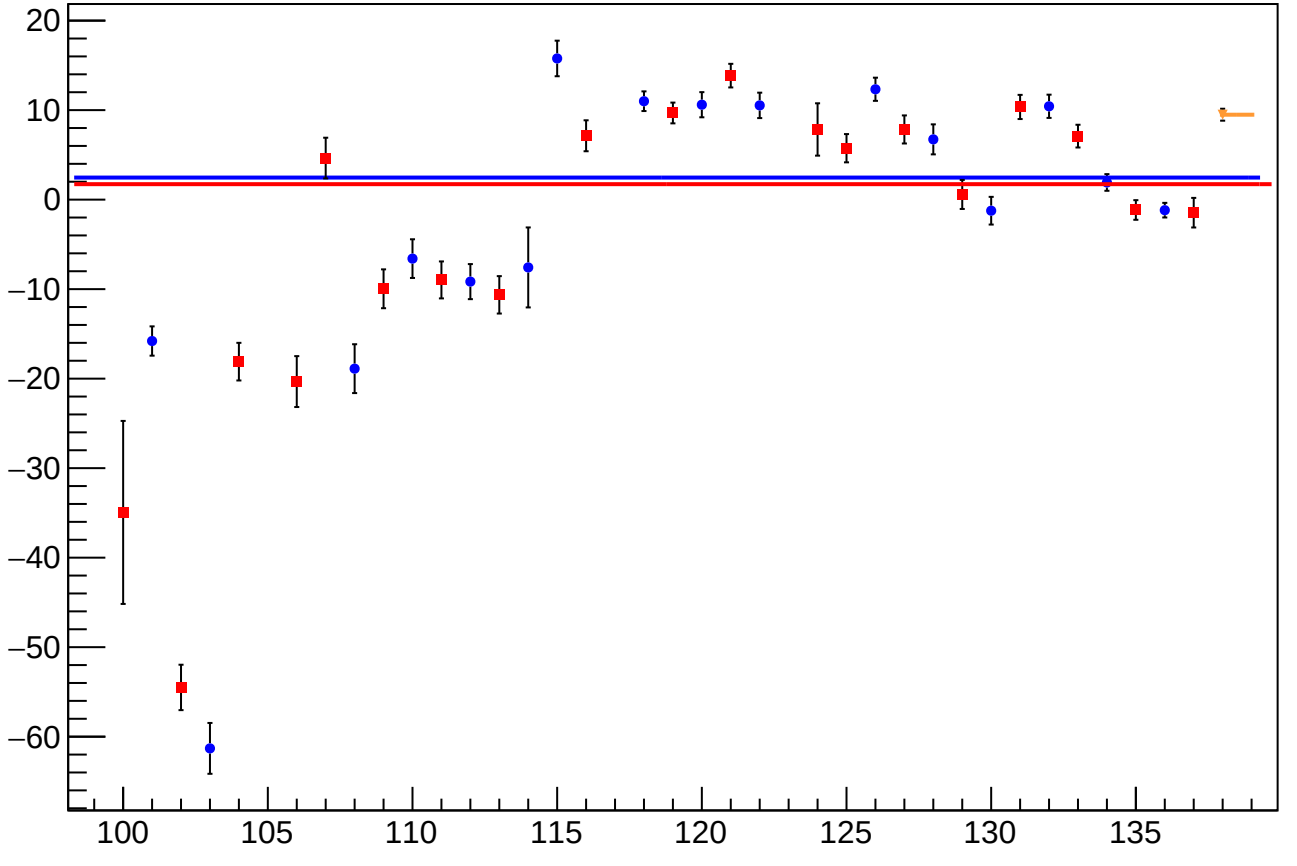
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -3.924+/-0.346 χ^2/NDF:188.8/15

Out: -7.512+/-0.318 χ^2/NDF:817.2/19

All: -5.867+/-0.234 χ^2/NDF: 1064.2/35

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: 9.487+/-0.668 χ^2/NDF:0.0/0

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9.487+/-0.668 χ^2/NDF: 0.0/0

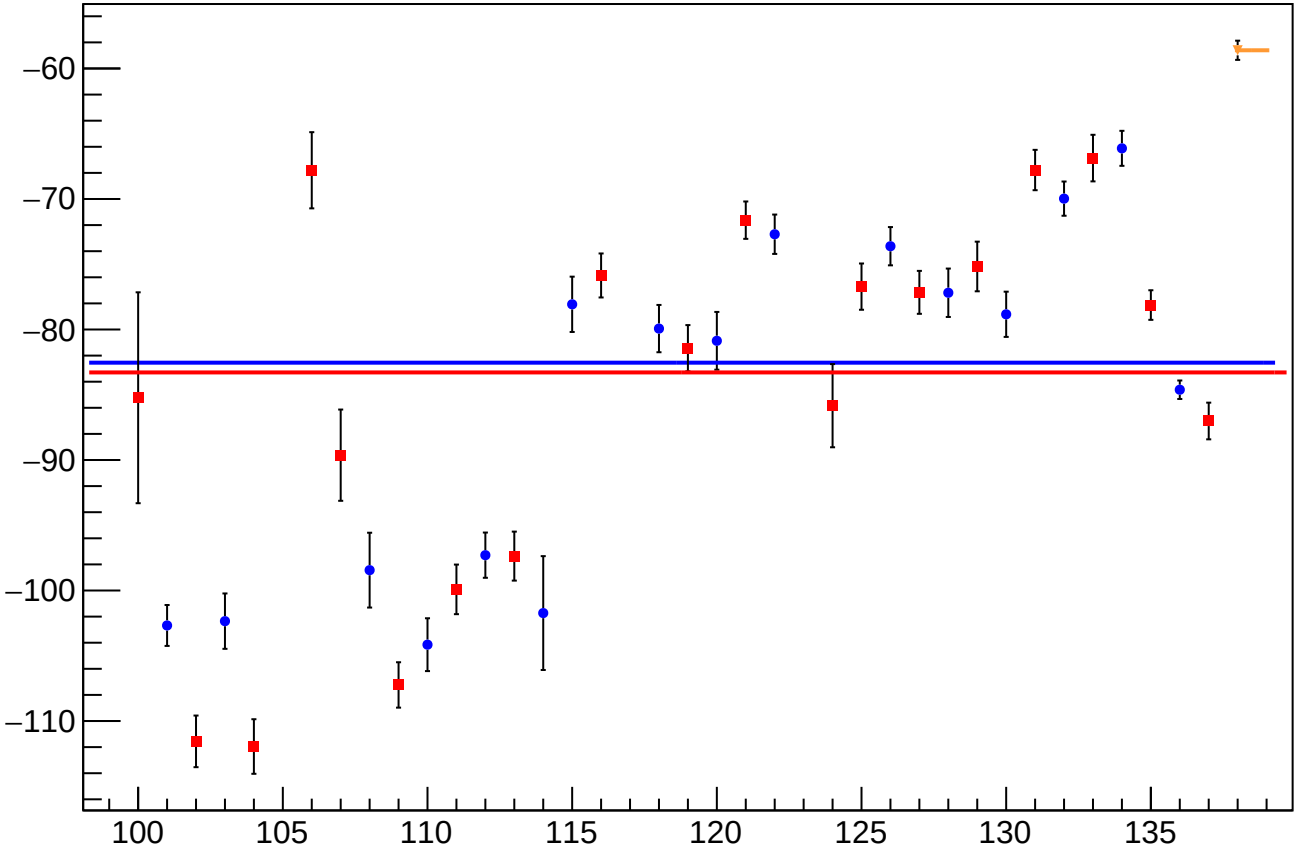
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 2.465+/-0.357 χ^2/NDF:1046.7/15

Out: 3.671+/-0.334 χ^2/NDF:1084.3/19

All: 3.107+/-0.244 χ^2/NDF: 2137.1/35

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: -58.605+/-0.736 χ^2/NDF:0.0/0

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -58.605+/-0.736 χ^2/NDF: 0.0/0

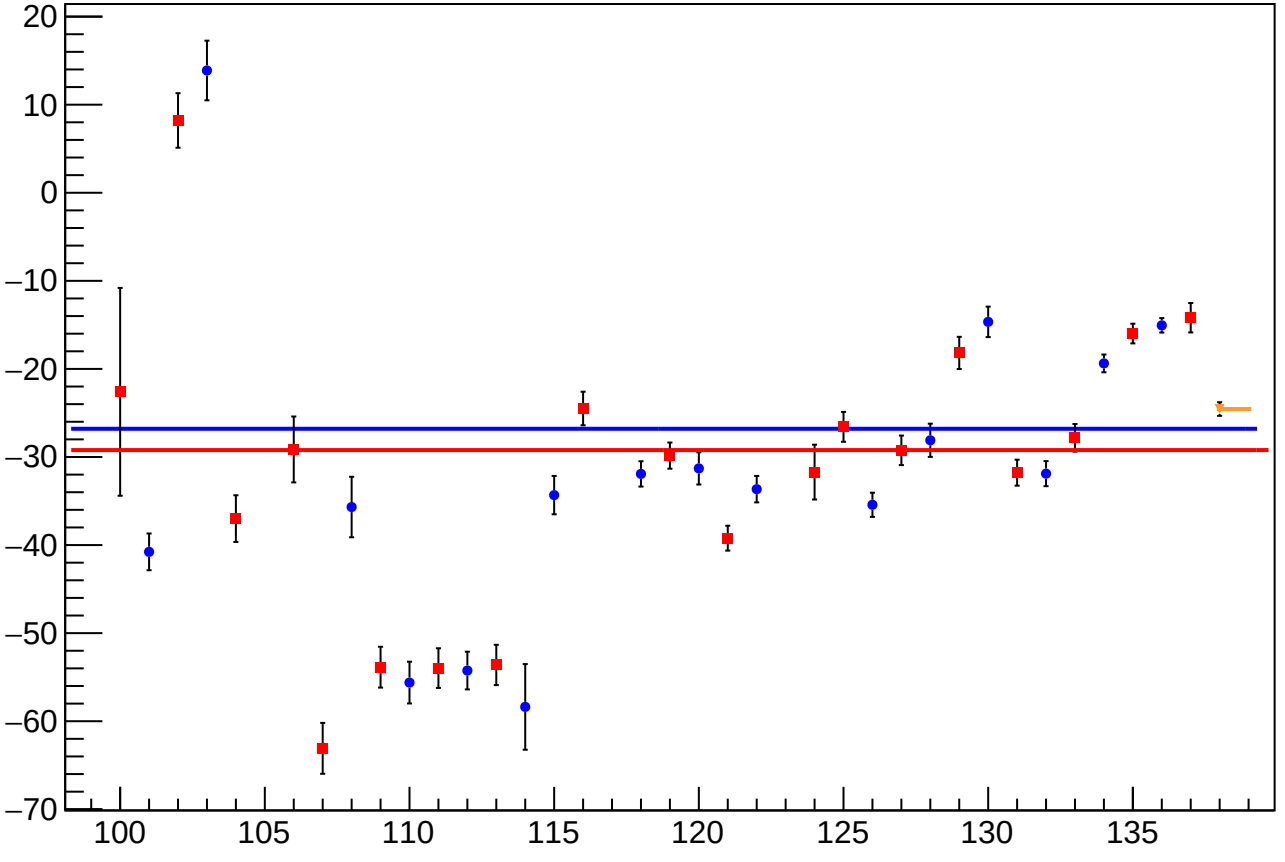
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -82.542+/-0.384 χ^2/NDF:838.8/15

Out: -77.352+/-0.361 χ^2/NDF:1946.7/19

All: -79.785+/-0.263 χ^2/NDF: 2882.3/35

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: -24.556+/-0.773 χ^2/NDF:0.0/0

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

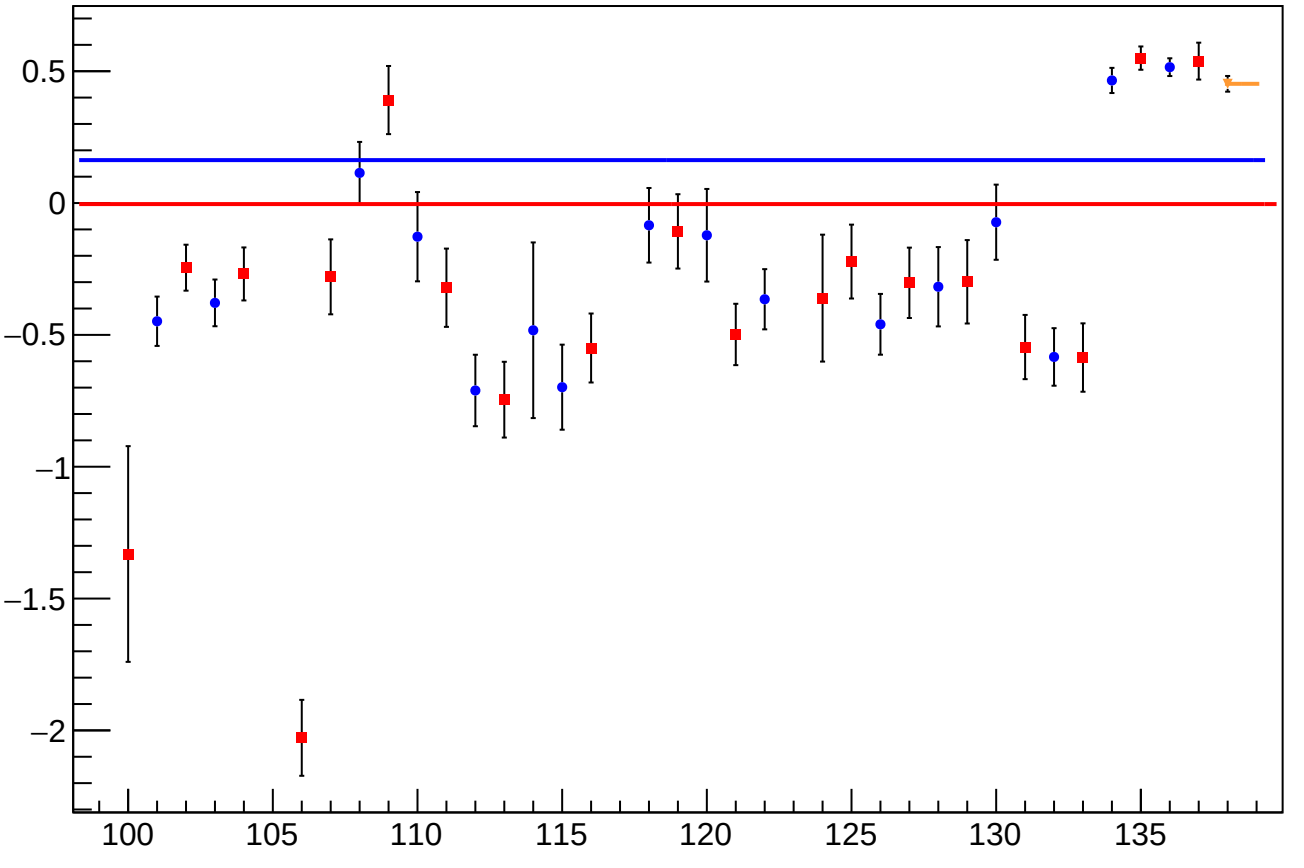
Left: -24.556+/-0.773 χ^2/NDF: 0.0/0

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

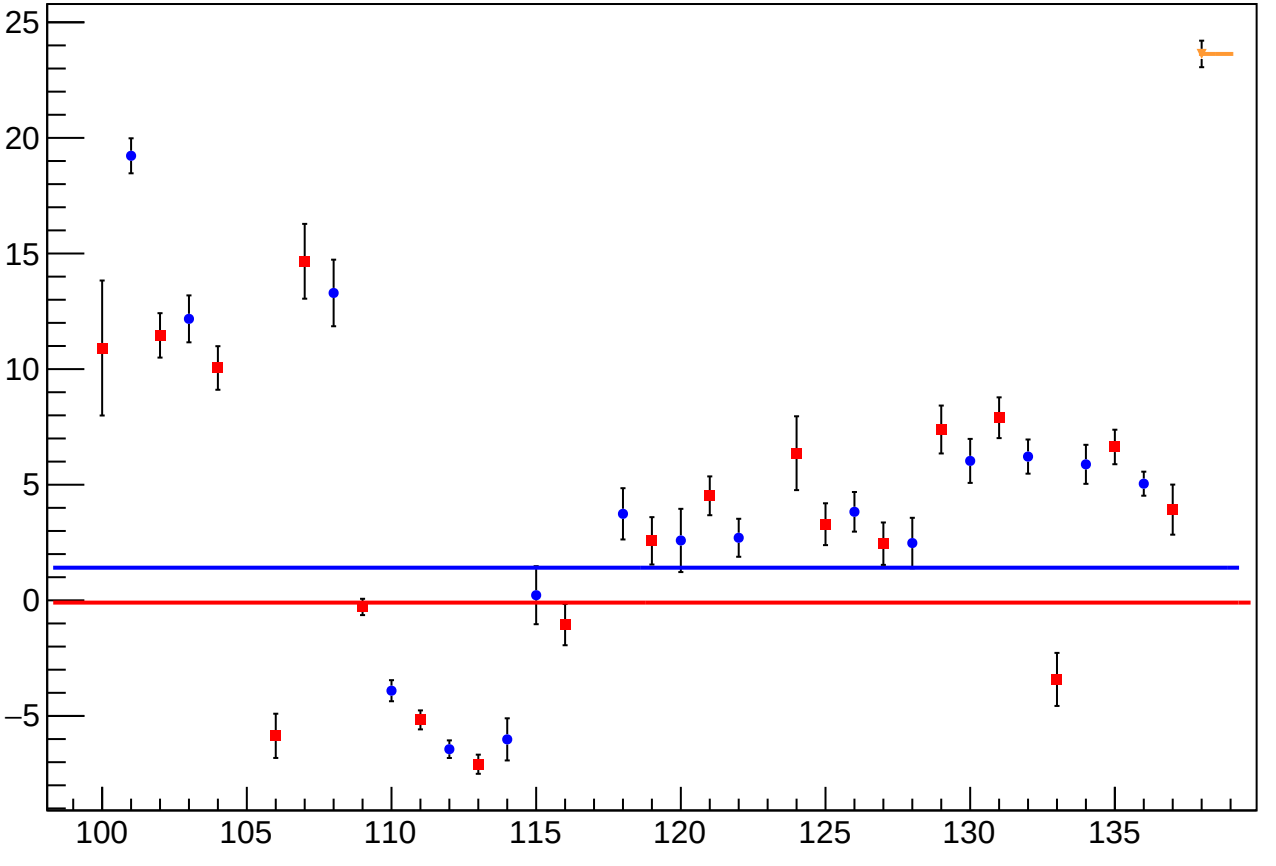
In: -26.796+/-0.396 χ^2/NDF:963.5/15

Out: -28.110+/-0.376 χ^2/NDF:988.4/19

All: -27.485+/-0.273 χ^2/NDF: 1957.7/35


reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
105
110
115
120
125
130
135
Right In: 0.163+/-0.021 χ²/NDF: 422.6/15
Left Out: 0.452+/-0.030 χ²/NDF:0.0/0
Right Out: -0.004+/-0.024 χ²/NDF: 573.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.452+/-0.030 χ²/NDF: 0.0/0
Right: 0.090+/-0.016 χ²/NDF: 1022.3/34
In: 0.163+/-0.021 χ²/NDF:422.6/15
Out: 0.179+/-0.019 χ²/NDF:713.6/19
All: 0.172+/-0.014 χ²/NDF: 1136.5/35

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: 23.631+/-0.574 χ^2/NDF:0.0/0

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

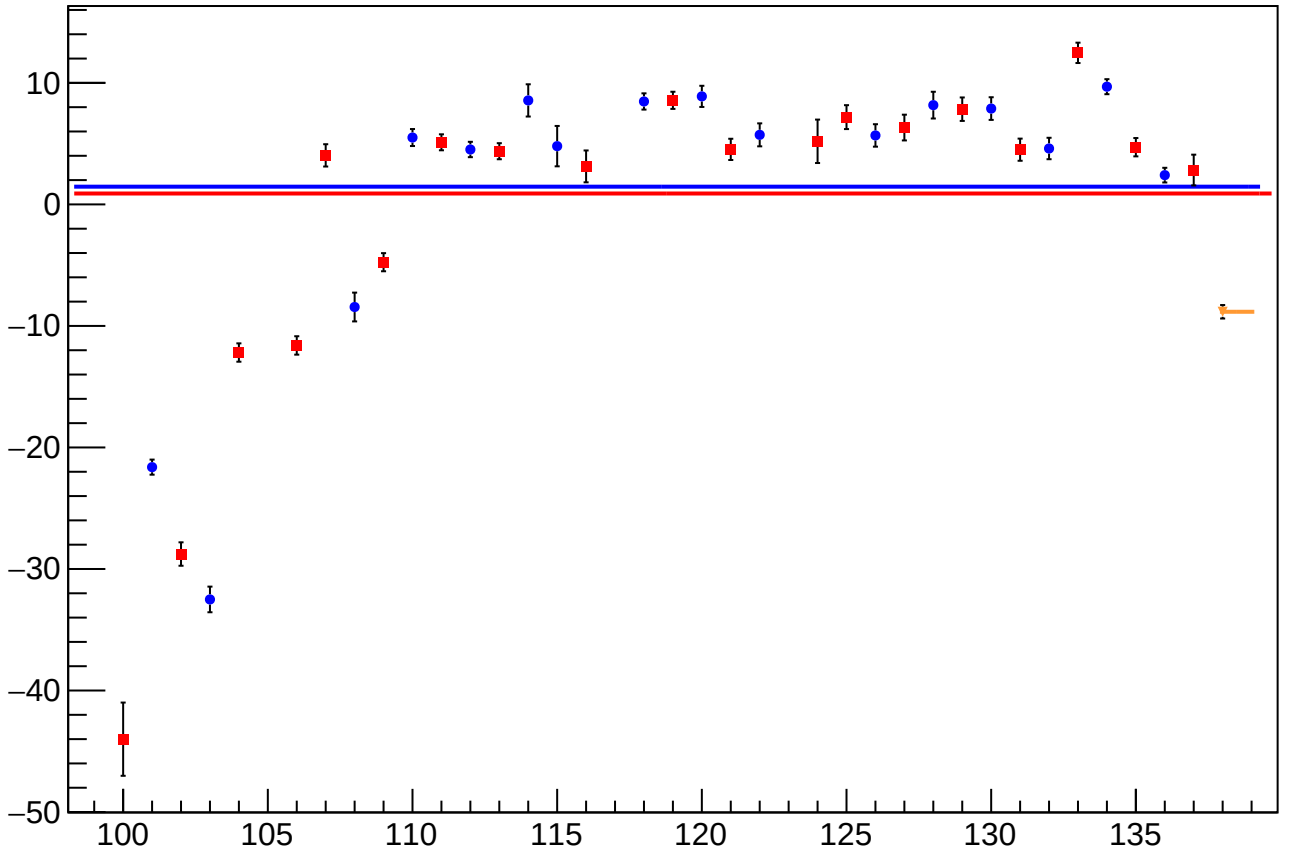
Left: 23.631+/-0.574 χ^2/NDF: 0.0/0

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 1.412+/-0.183 χ^2/NDF:1522.1/15

Out: 1.764+/-0.161 χ^2/NDF:2723.9/19

All: 1.611+/-0.121 χ^2/NDF: 4248.1/35



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: -8.835+/-0.555 χ^2/NDF:0.0/0

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -8.835+/-0.555 χ^2/NDF: 0.0/0

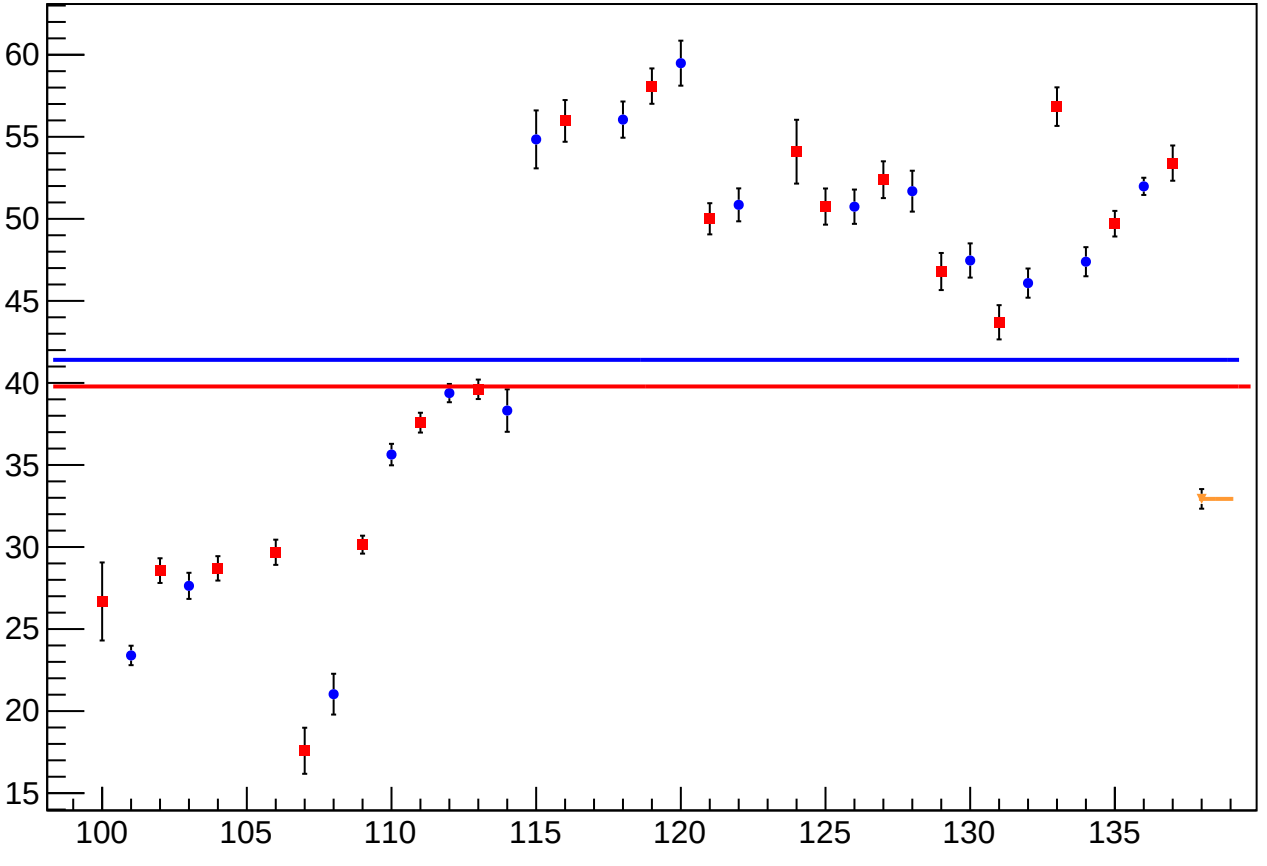
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 1.459+/-0.203 χ^2/NDF:3080.3/15

Out: -0.243+/-0.190 χ^2/NDF:2648.8/19

All: 0.549+/-0.139 χ^2/NDF: 5766.5/35

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: 32.933+/-0.598 χ^2/NDF:0.0/0

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 32.933+/-0.598 χ^2/NDF: 0.0/0

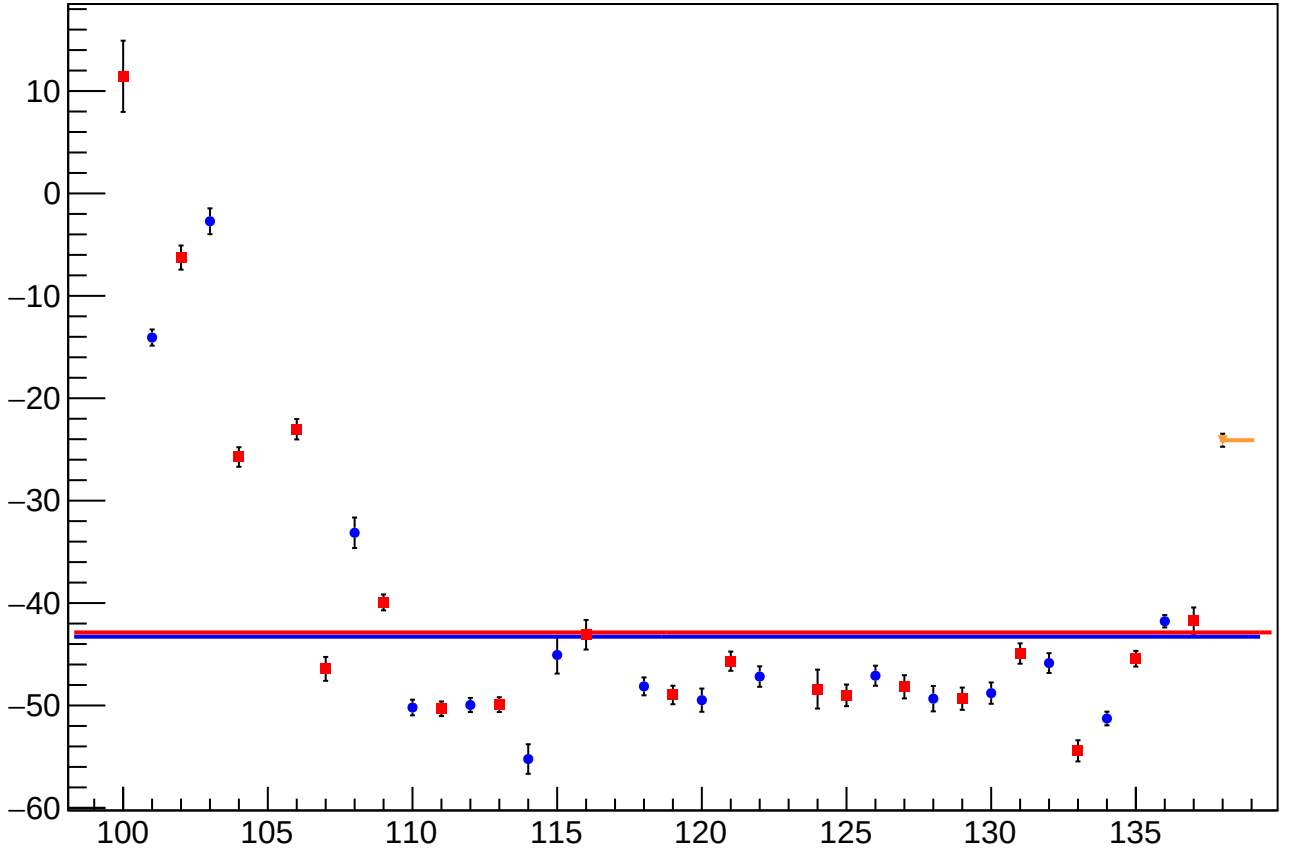
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 41.407+/-0.211 χ^2/NDF:2746.0/15

Out: 39.078+/-0.192 χ^2/NDF:2771.4/19

All: 40.136+/-0.142 χ^2/NDF: 5584.2/35

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: -24.100+/-0.638 χ^2/NDF:0.0/0

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -24.100+/-0.638 χ^2/NDF: 0.0/0

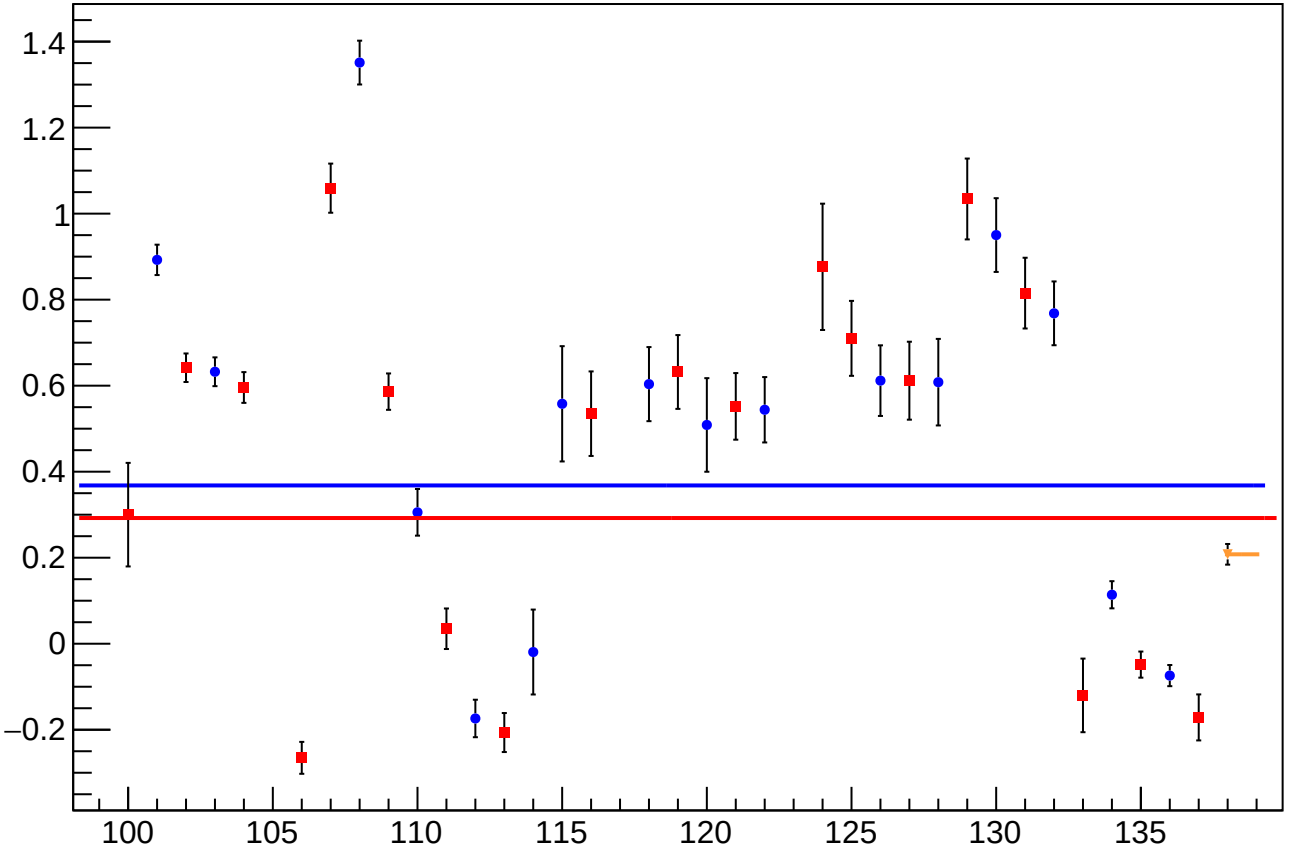
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -43.285+/-0.229 χ^2/NDF:2985.2/15

Out: -40.726+/-0.216 χ^2/NDF:3220.4/19

All: -41.926+/-0.157 χ^2/NDF: 6271.8/35

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: 0.208+/-0.024 χ^2/NDF:0.0/0

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.208+/-0.024 χ^2/NDF: 0.0/0

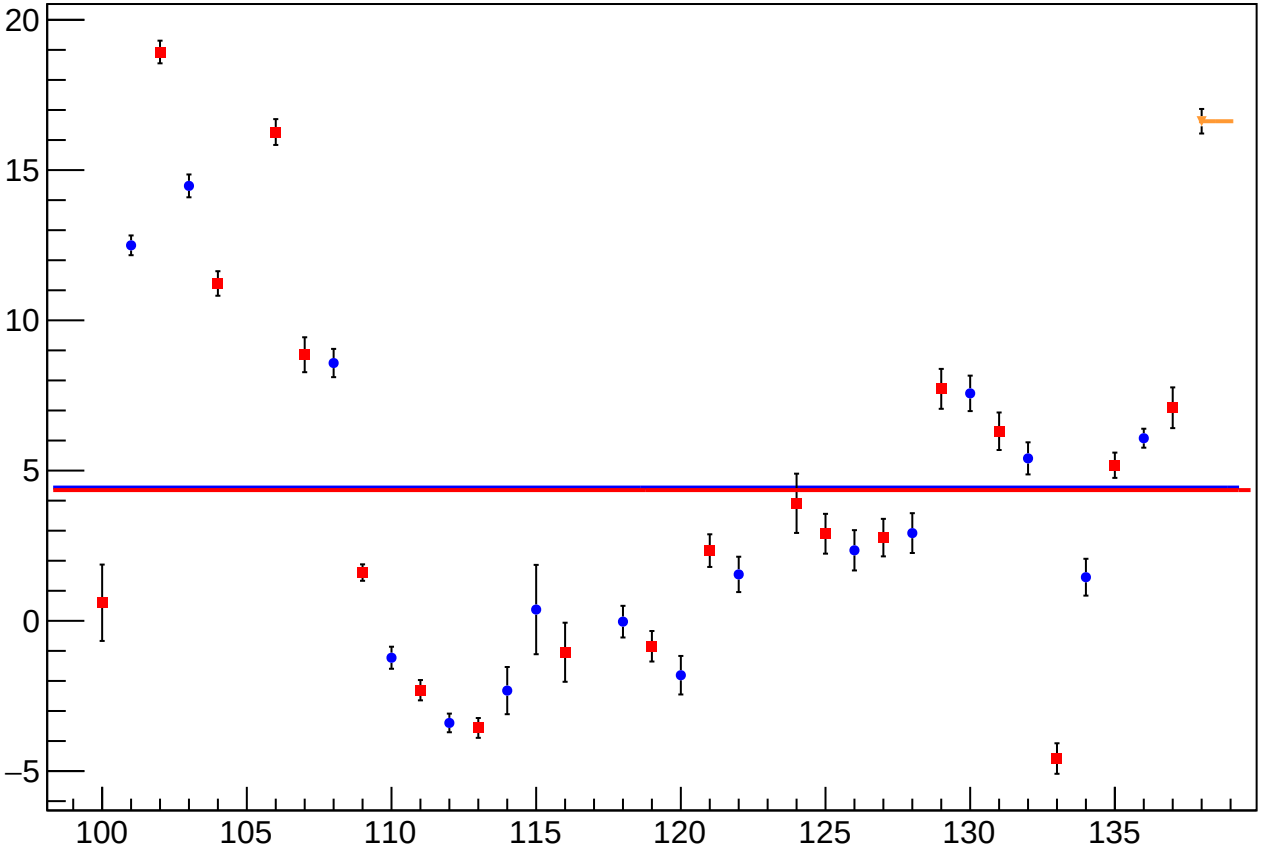
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.368+/-0.012 χ^2/NDF:1320.9/15

Out: 0.275+/-0.011 χ^2/NDF:1209.1/19

All: 0.316+/-0.008 χ^2/NDF: 2562.4/35

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: 16.626+/-0.409 χ^2/NDF:0.0/0

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 16.626+/-0.409 χ^2/NDF: 0.0/0

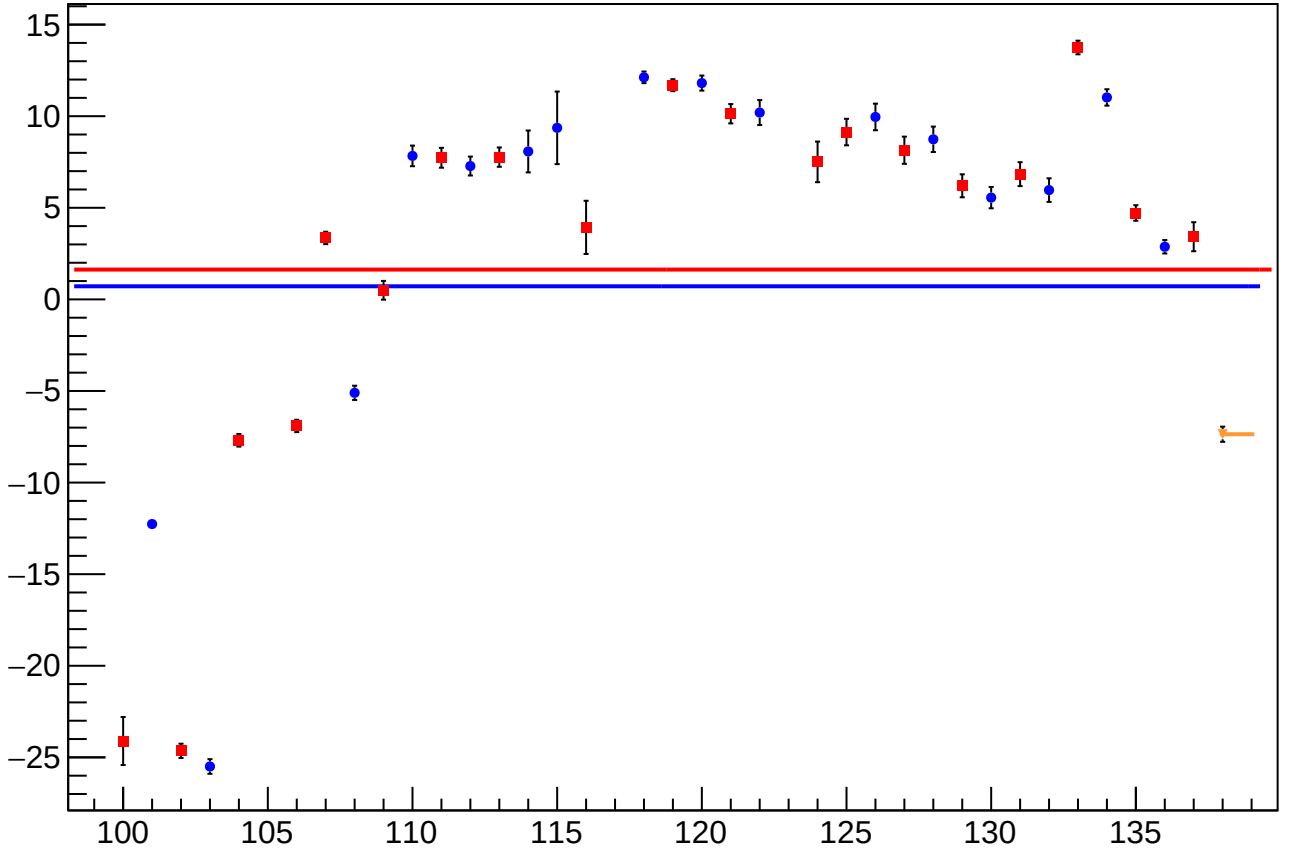
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 4.435+/-0.117 χ^2/NDF:2622.0/15

Out: 5.167+/-0.105 χ^2/NDF:5047.5/19

All: 4.839+/-0.078 χ^2/NDF: 7691.1/35

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: -7.361+/-0.414 χ^2/NDF:0.0/0

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

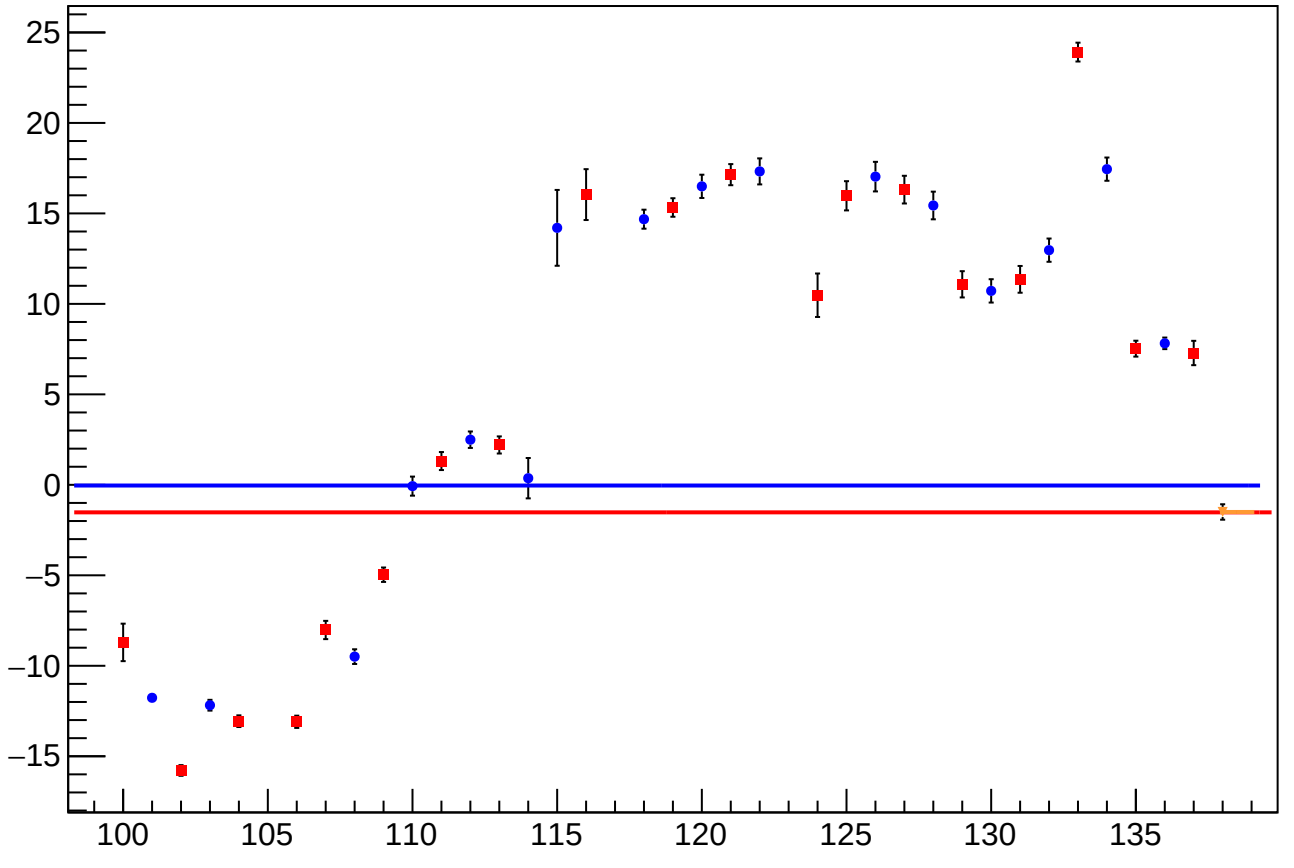
Left: -7.361+/-0.414 χ^2/NDF: 0.0/0

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 0.715+/-0.116 χ^2/NDF:10454.0/15

Out: 1.024+/-0.107 χ^2/NDF:9695.2/19

All: 0.881+/-0.079 χ^2/NDF: 20153.0/35



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: -1.500+/-0.426 χ^2/NDF:0.0/0

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

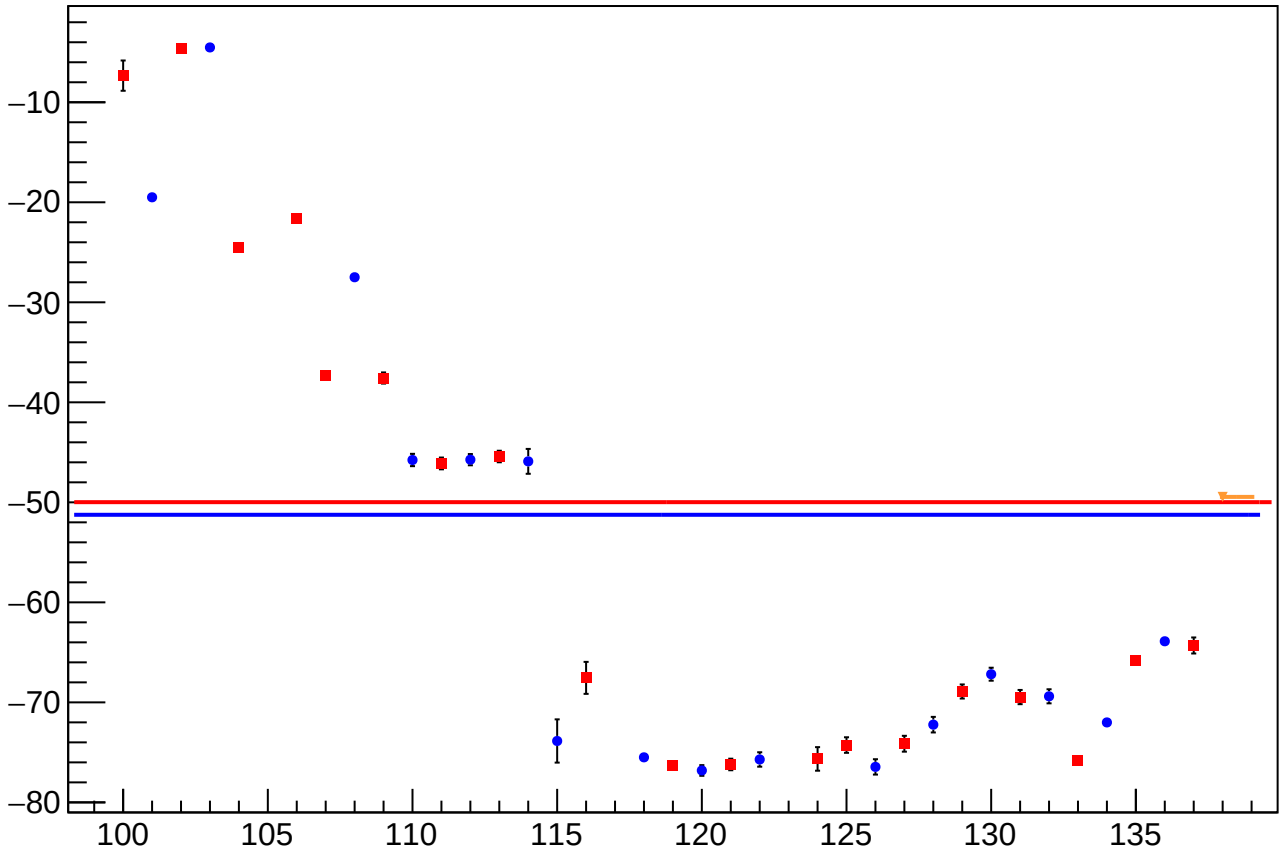
Left: -1.500+/-0.426 χ^2/NDF: 0.0/0

Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: -0.038+/-0.119 χ^2/NDF:9274.3/15

Out: -1.520+/-0.111 χ^2/NDF:12130.2/19

All: -0.832+/-0.081 χ^2/NDF: 21487.1/35



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -49.457+/-0.470 χ^2/NDF:0.0/0

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

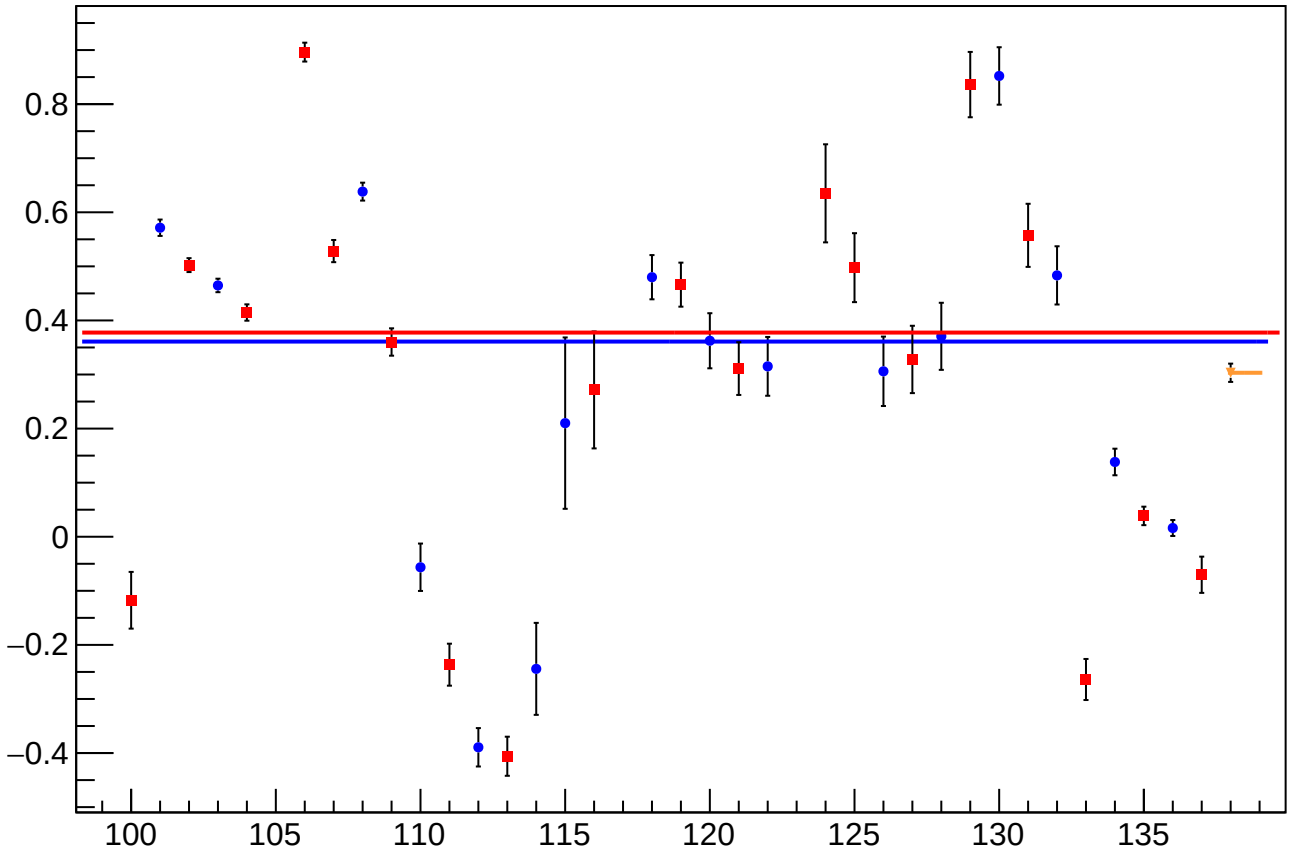
Left: -49.457+/-0.470 χ^2/NDF: 0.0/0

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -51.246+/-0.136 χ^2/NDF:33765.2/15

Out: -49.945+/-0.126 χ^2/NDF:33893.7/19

All: -50.547+/-0.092 χ^2/NDF: 67708.2/35



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.303+/-0.017 χ^2/NDF:0.0/0

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

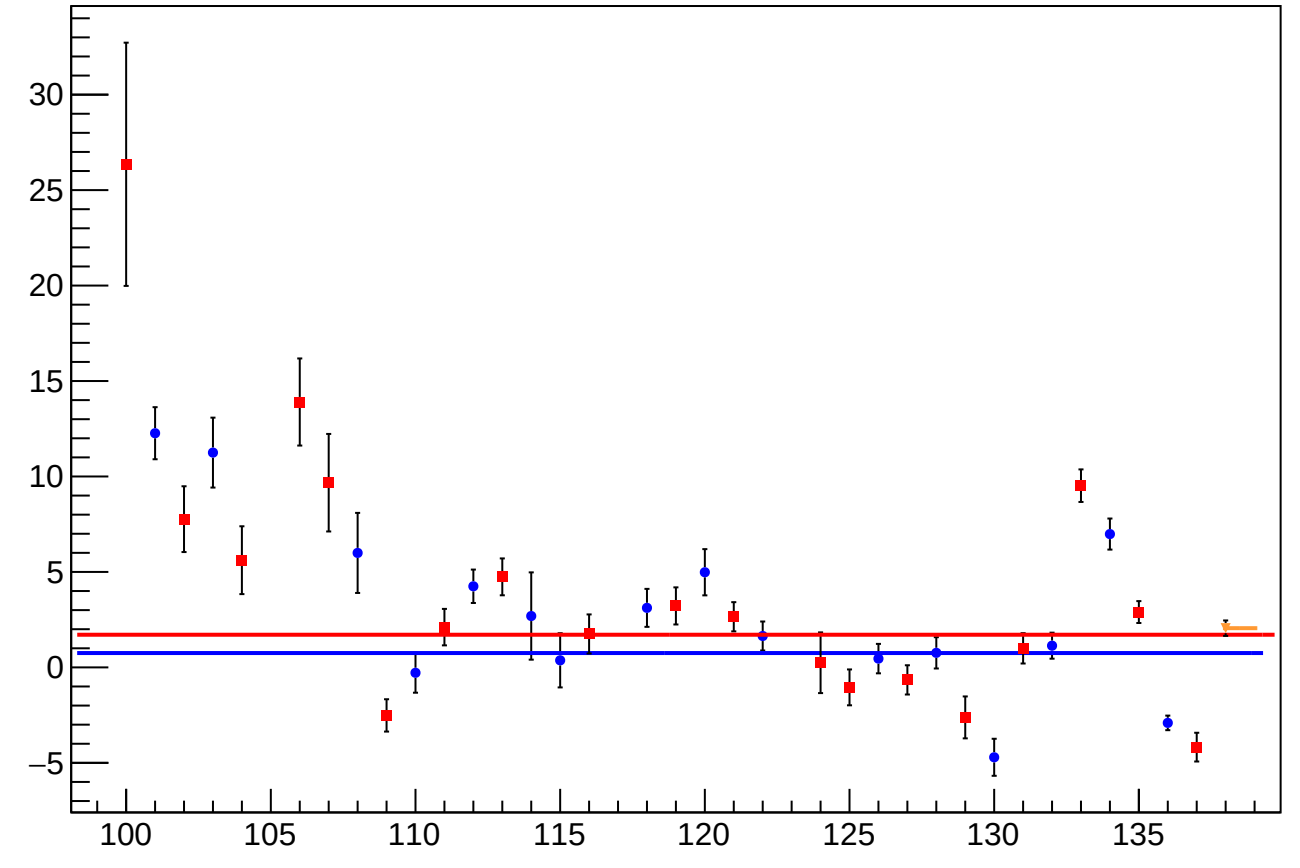
Left: 0.303+/-0.017 χ^2/NDF: 0.0/0

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.361+/-0.006 χ^2/NDF:1860.0/15

Out: 0.369+/-0.006 χ^2/NDF:2807.6/19

All: 0.365+/-0.004 χ^2/NDF: 4668.5/35



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 2.054+/-0.404 χ^2/NDF:0.0/0

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

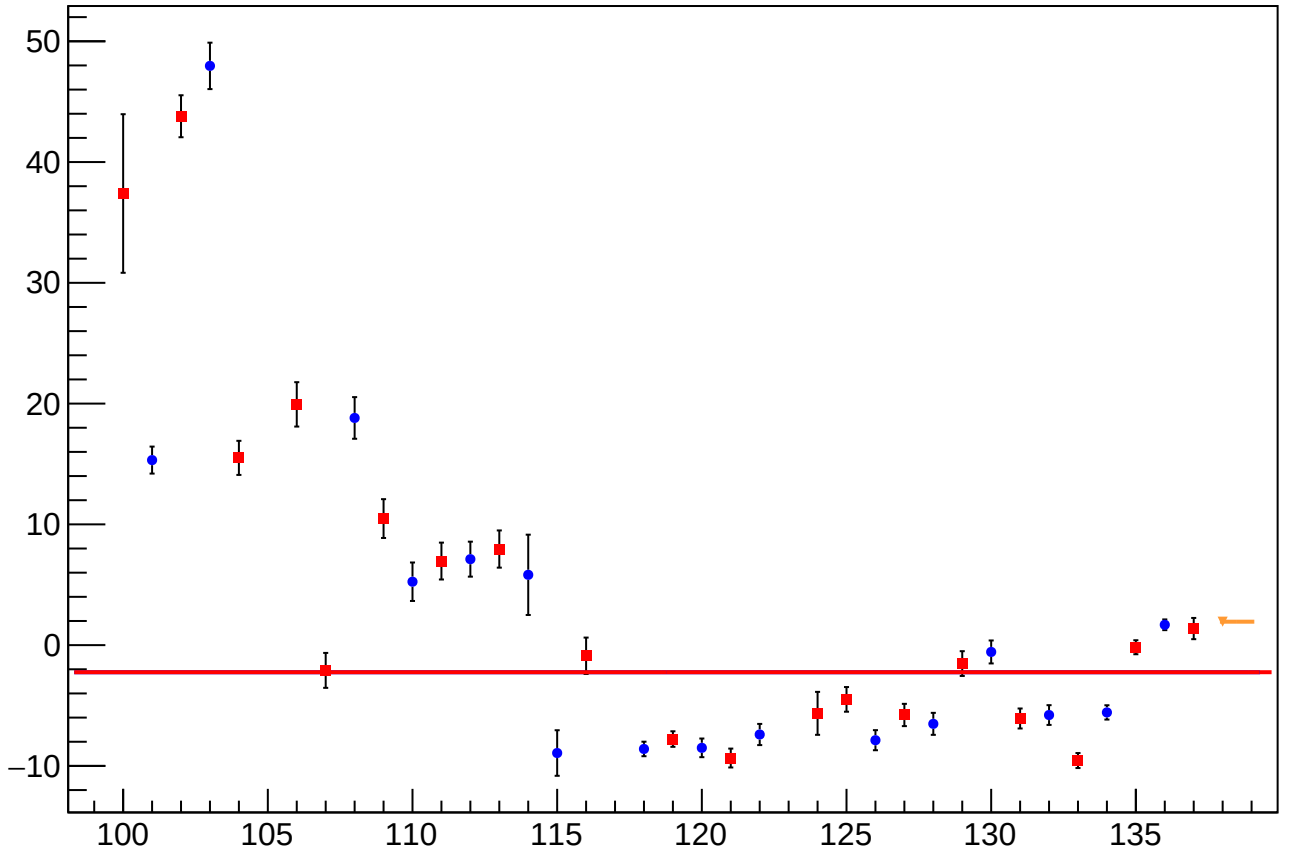
Left: 2.054+/-0.404 χ^2/NDF: 0.0/0

Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 0.752+/-0.212 χ^2/NDF:330.1/15

Out: 1.790+/-0.195 χ^2/NDF:294.4/19

All: 1.315+/-0.144 χ^2/NDF: 637.5/35



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: 1.941+/-0.396 χ^2/NDF:0.0/0

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.941+/-0.396 χ^2/NDF: 0.0/0

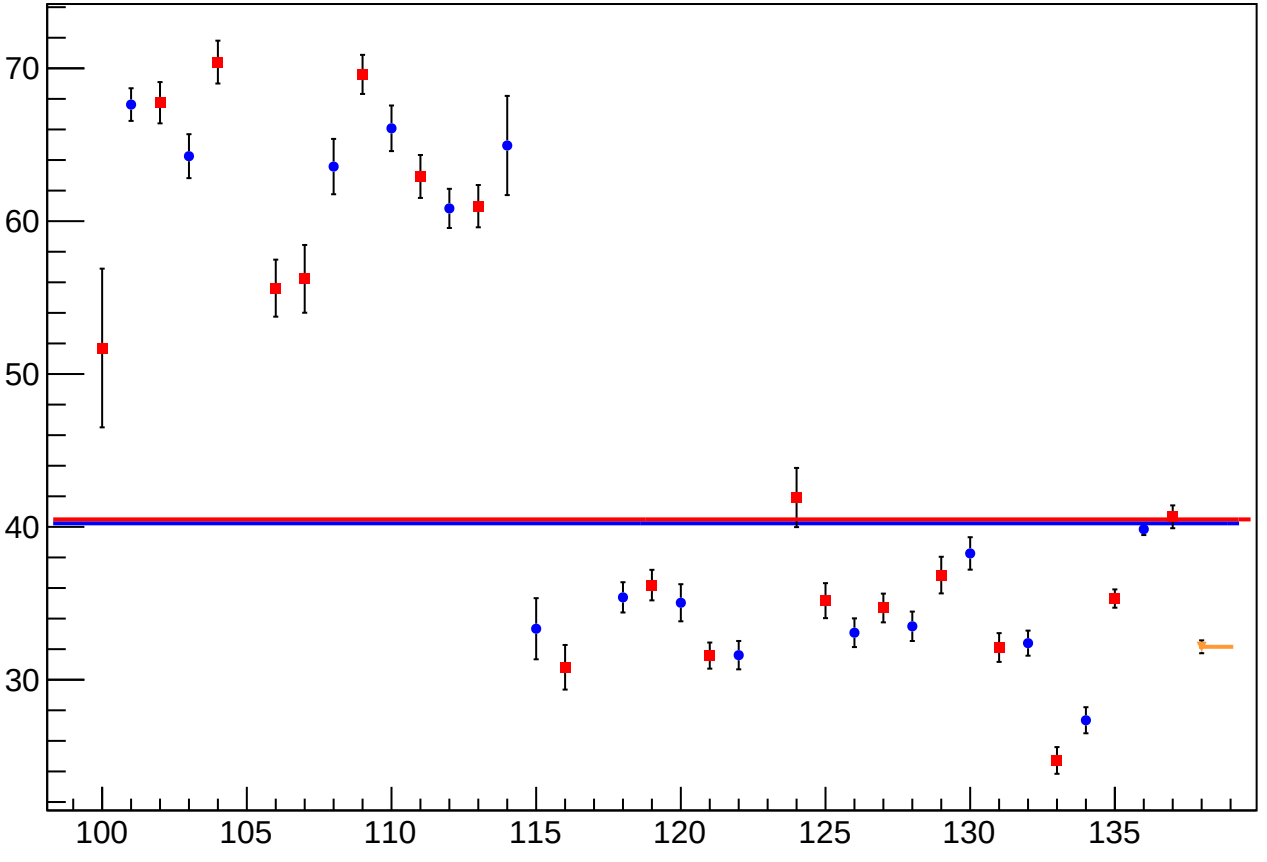
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.245+/-0.215 χ^2/NDF:1572.5/15

Out: -1.193+/-0.198 χ^2/NDF:1639.3/19

All: -1.676+/-0.146 χ^2/NDF: 3224.8/35

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 32.155+/-0.422 χ^2/NDF:0.0/0

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

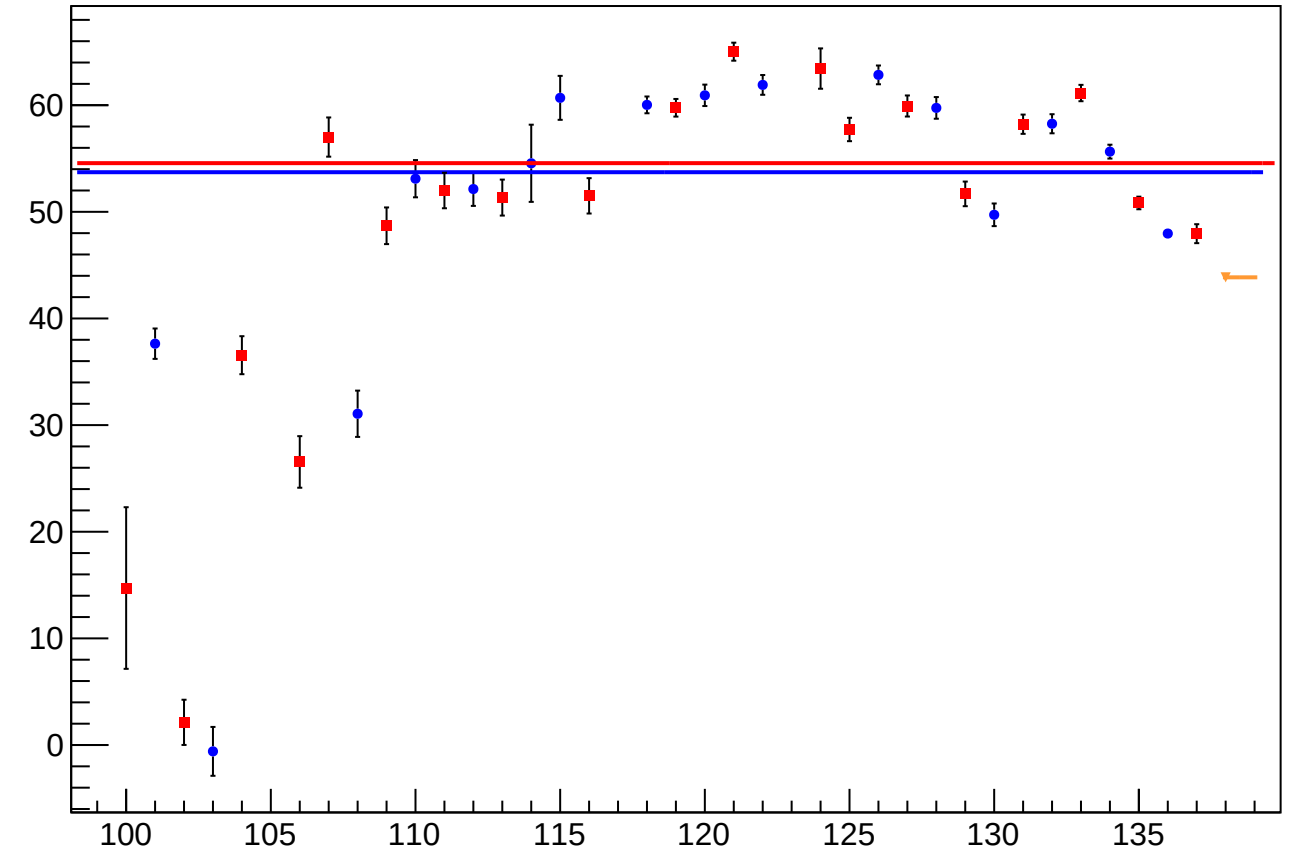
Left: 32.155+/-0.422 χ^2/NDF: 0.0/0

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 40.232+/-0.231 χ^2/NDF:2291.1/15

Out: 38.318+/-0.215 χ^2/NDF:2986.7/19

All: 39.206+/-0.158 χ^2/NDF: 5314.4/35



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.856+/-0.453 χ^2/NDF:0.0/0

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 43.856+/-0.453 χ^2/NDF: 0.0/0

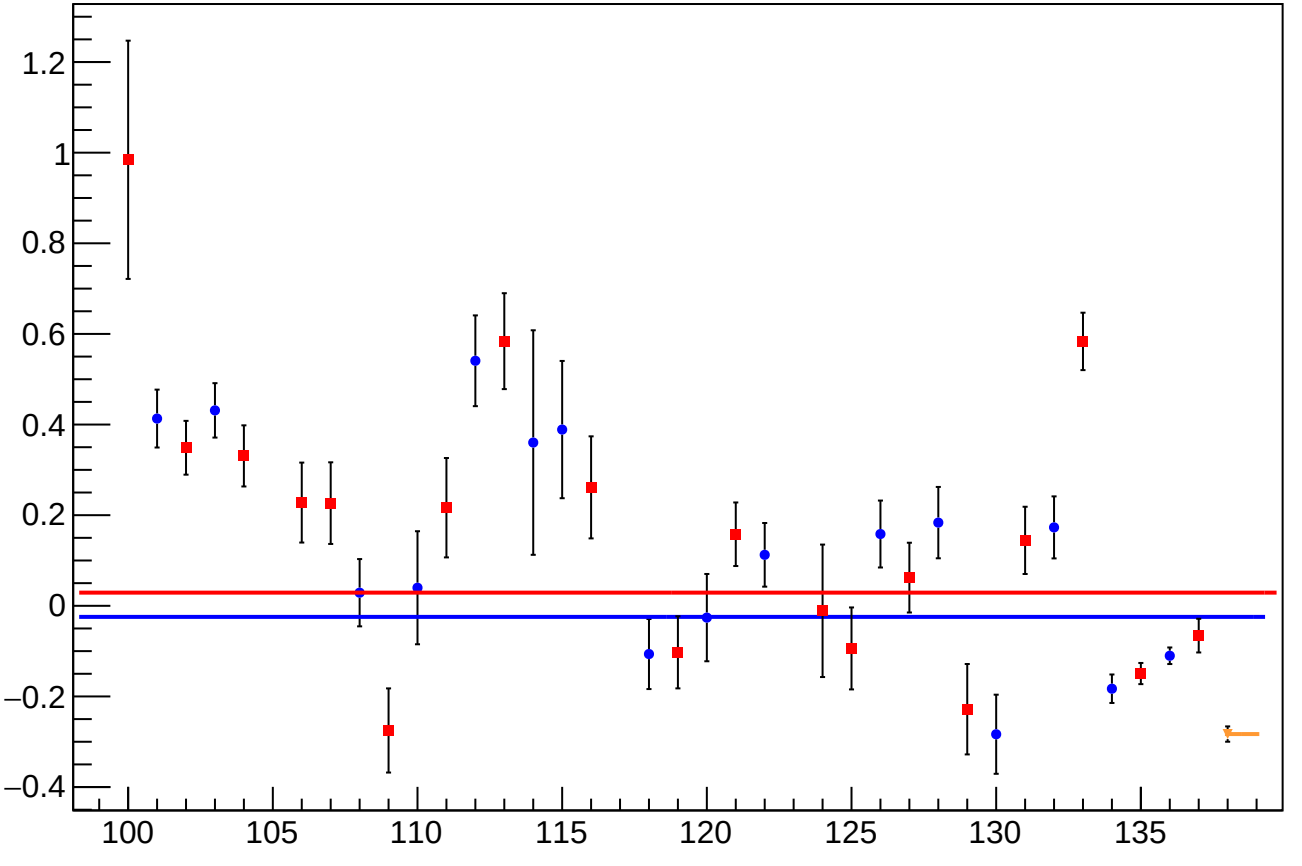
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 53.715+/-0.239 χ^2/NDF:1362.7/15

Out: 51.975+/-0.223 χ^2/NDF:1765.4/19

All: 52.785+/-0.163 χ^2/NDF: 3156.4/35

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.283+/-0.017 χ^2/NDF:0.0/0

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

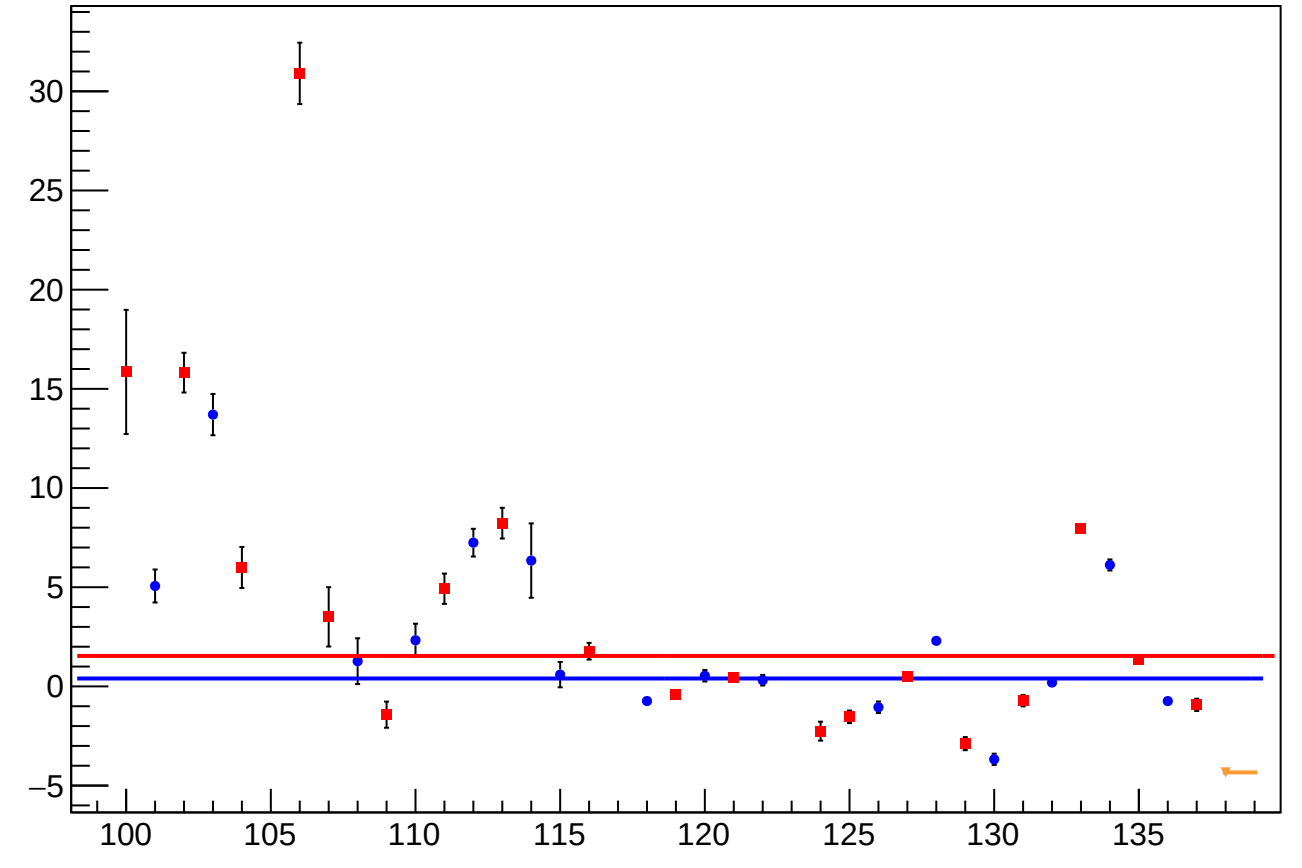
Left: -0.283+/-0.017 χ^2/NDF: 0.0/0

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.024+/-0.013 χ^2/NDF:229.7/15

Out: -0.101+/-0.011 χ^2/NDF:475.8/19

All: -0.069+/-0.008 χ^2/NDF: 726.0/35



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -4.336+/-0.171 χ^2/NDF:0.0/0

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -4.336+/-0.171 χ^2/NDF: 0.0/0

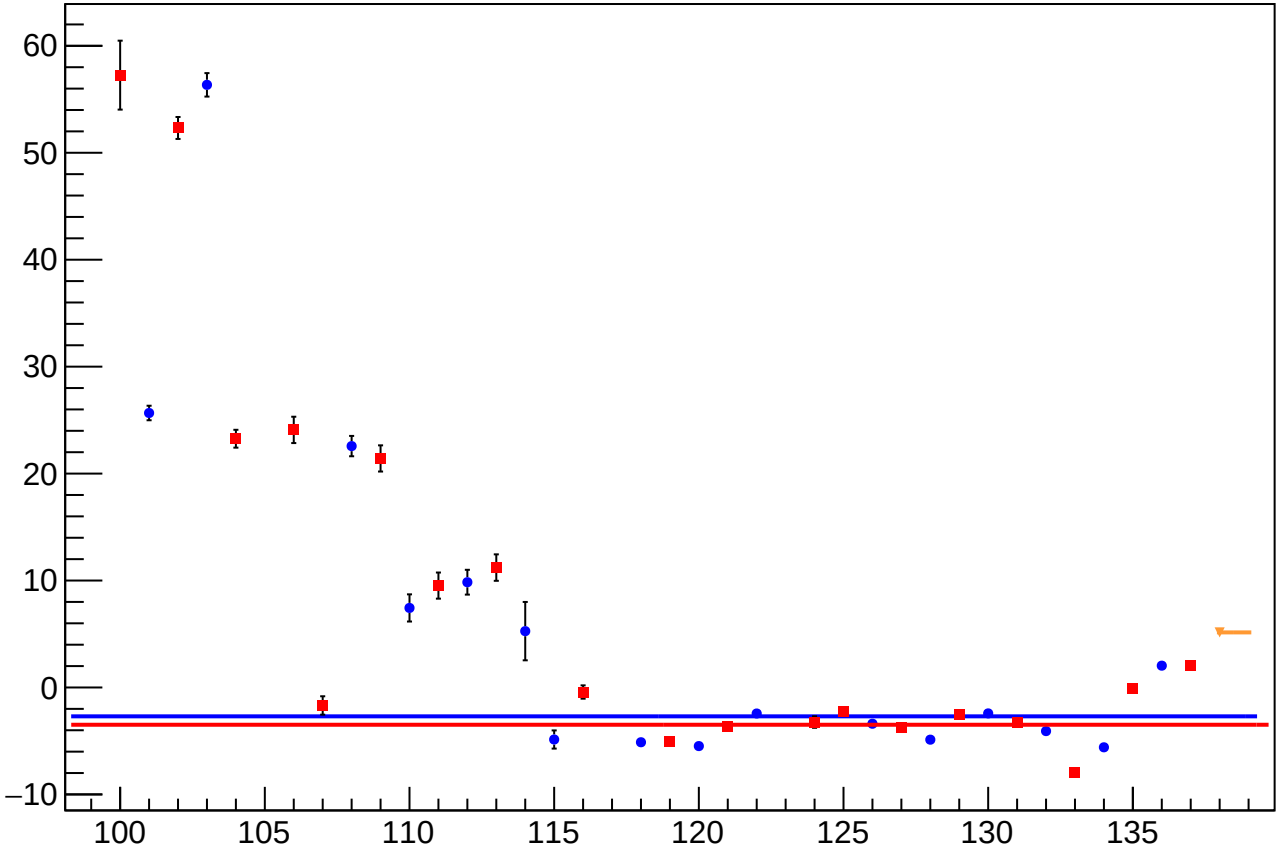
Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.398+/-0.077 χ^2/NDF:1097.4/15

Out: 0.524+/-0.071 χ^2/NDF:3383.1/19

All: 0.466+/-0.052 χ^2/NDF: 4481.9/35

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: 5.150+/-0.172 χ^2/NDF:0.0/0

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 5.150+/-0.172 χ^2/NDF: 0.0/0

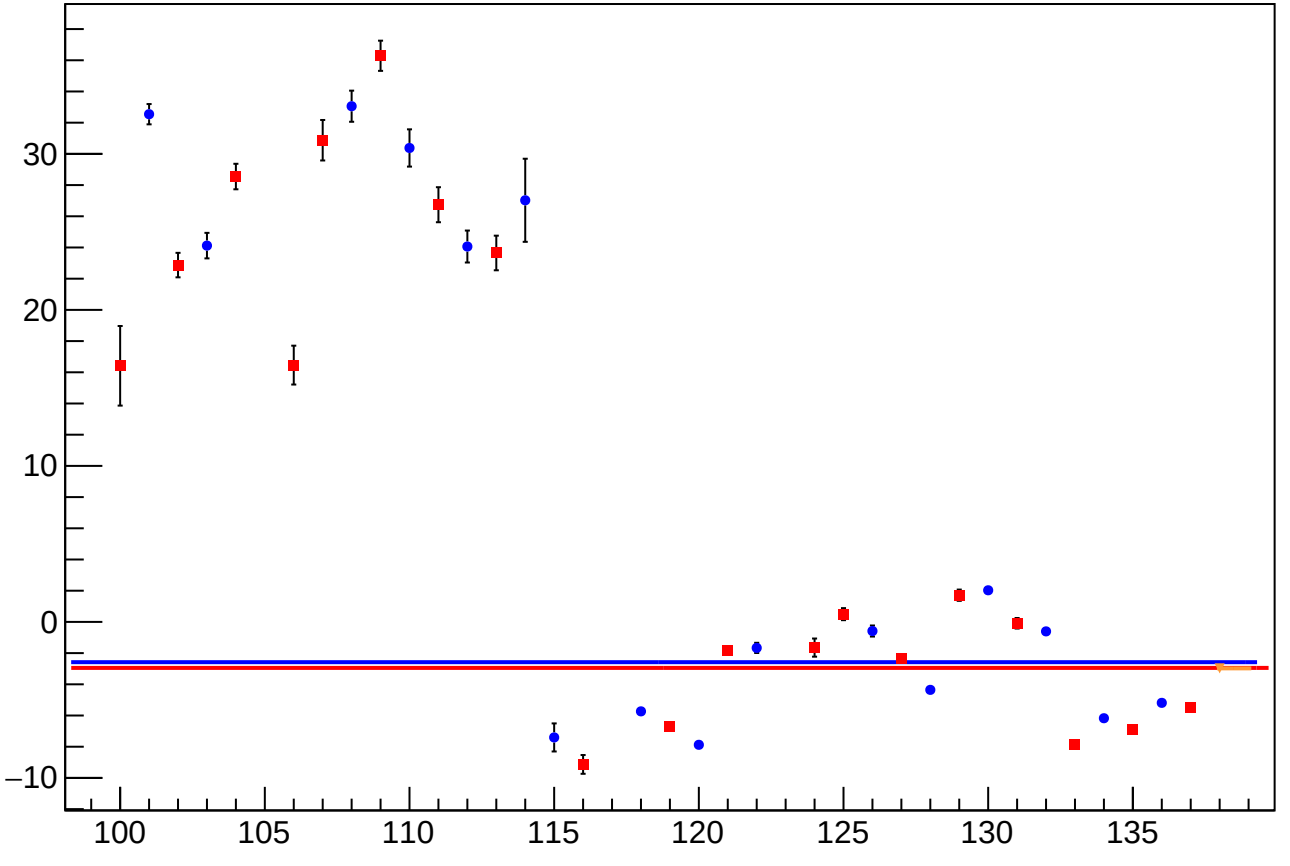
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -2.699+/-0.071 χ^2/NDF:7103.8/15

Out: -2.227+/-0.065 χ^2/NDF:9325.3/19

All: -2.445+/-0.048 χ^2/NDF: 16453.1/35

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: -2.977+/-0.179 χ^2/NDF:0.0/0

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -2.977+/-0.179 χ^2/NDF: 0.0/0

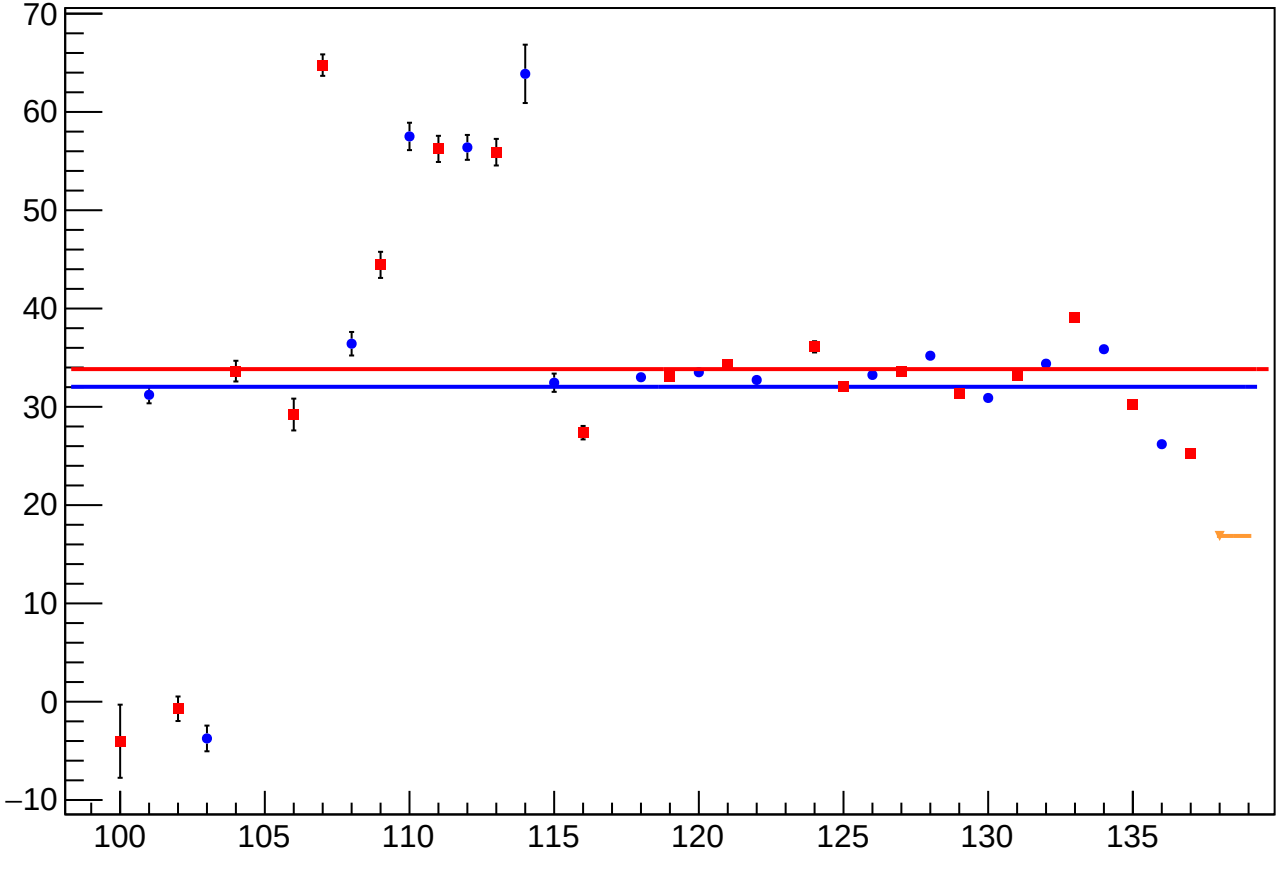
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -2.582+/-0.083 χ^2/NDF:8159.7/15

Out: -2.953+/-0.077 χ^2/NDF:8196.4/19

All: -2.782+/-0.056 χ^2/NDF: 16367.0/35

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: 16.863+/-0.195 χ^2/NDF:0.0/0

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

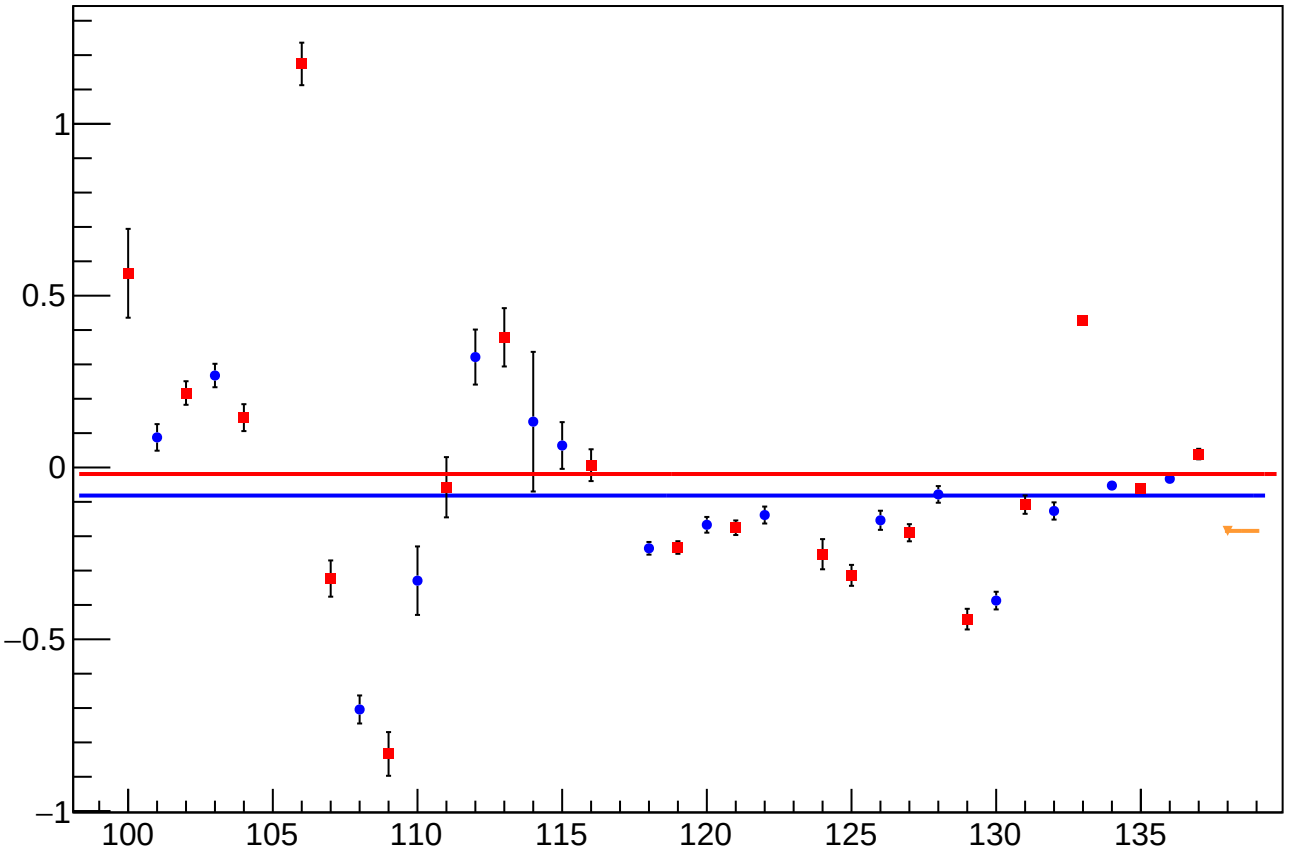
Left: 16.863+/-0.195 χ^2/NDF: 0.0/0

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 32.038+/-0.081 χ^2/NDF:3255.9/15

Out: 31.315+/-0.075 χ^2/NDF:10663.6/19

All: 31.649+/-0.055 χ^2/NDF: 13962.0/35



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.185+/-0.007 χ^2/NDF:0.0/0

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.185+/-0.007 χ^2/NDF: 0.0/0

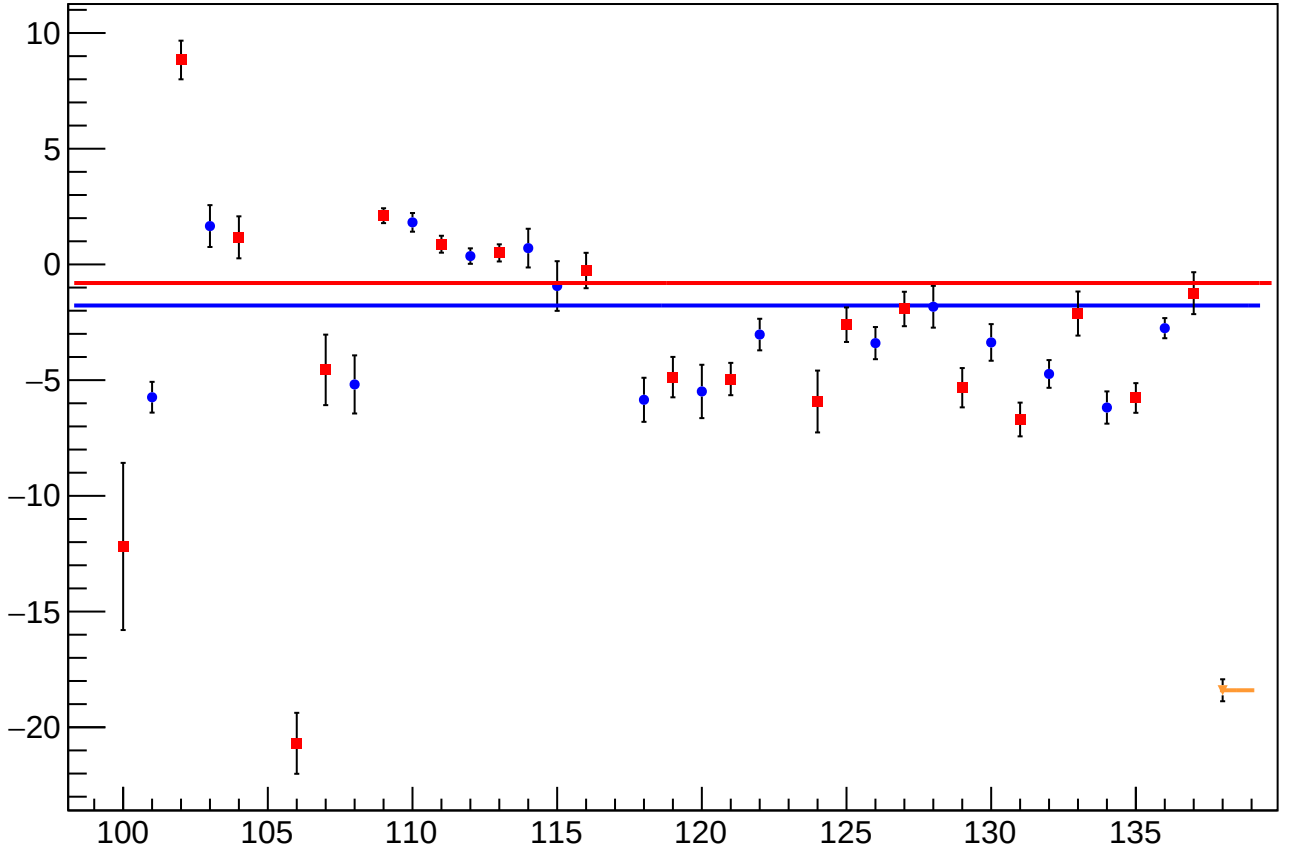
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.082+/-0.005 χ^2/NDF:689.2/15

Out: -0.077+/-0.004 χ^2/NDF:2626.8/19

All: -0.079+/-0.003 χ^2/NDF: 3316.7/35

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -18.401+/-0.475 χ^2/NDF:0.0/0

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -18.401+/-0.475 χ^2/NDF: 0.0/0

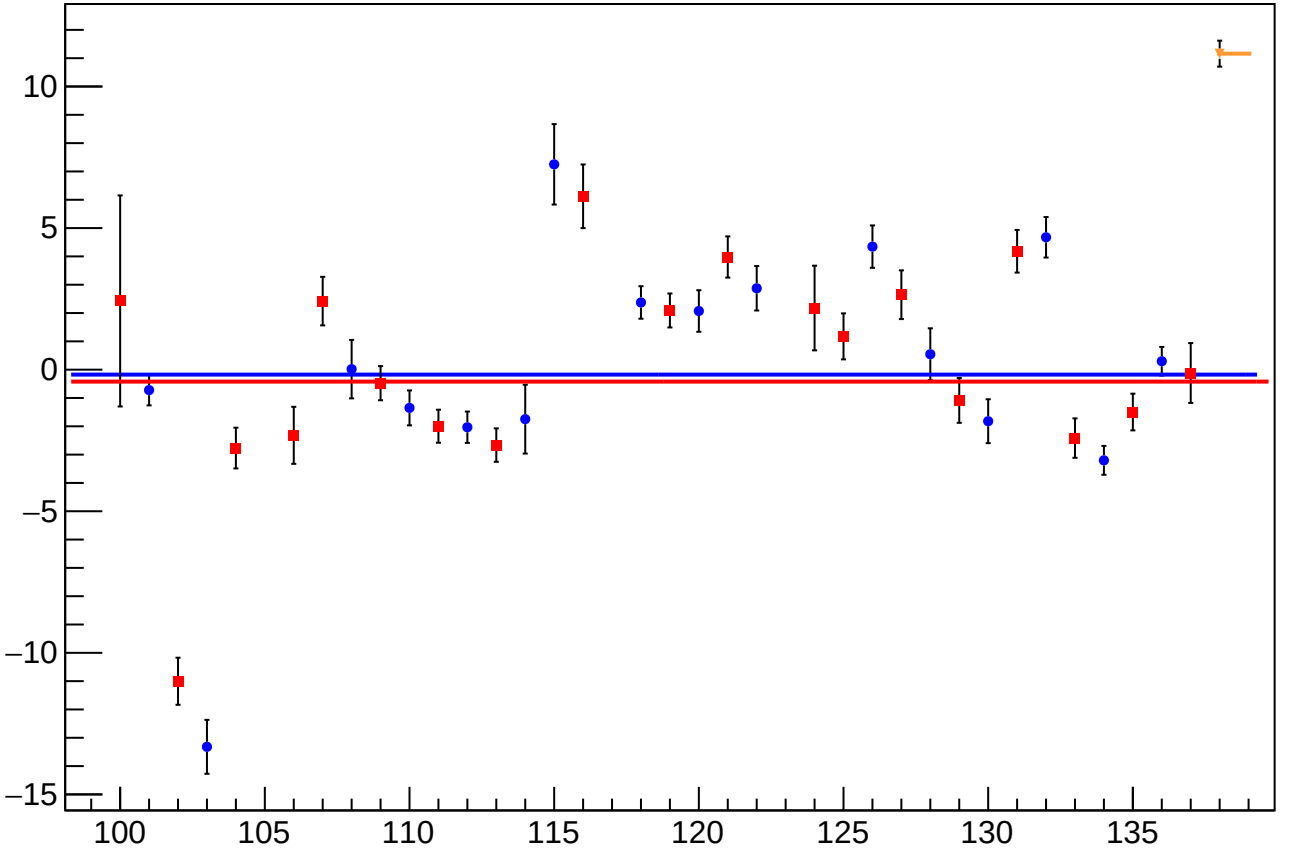
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -1.775+/-0.157 χ^2/NDF:297.7/15

Out: -2.369+/-0.142 χ^2/NDF:1986.3/19

All: -2.103+/-0.105 χ^2/NDF: 2291.9/35

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: 11.160+/-0.459 χ^2/NDF:0.0/0

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 11.160+/-0.459 χ^2/NDF: 0.0/0

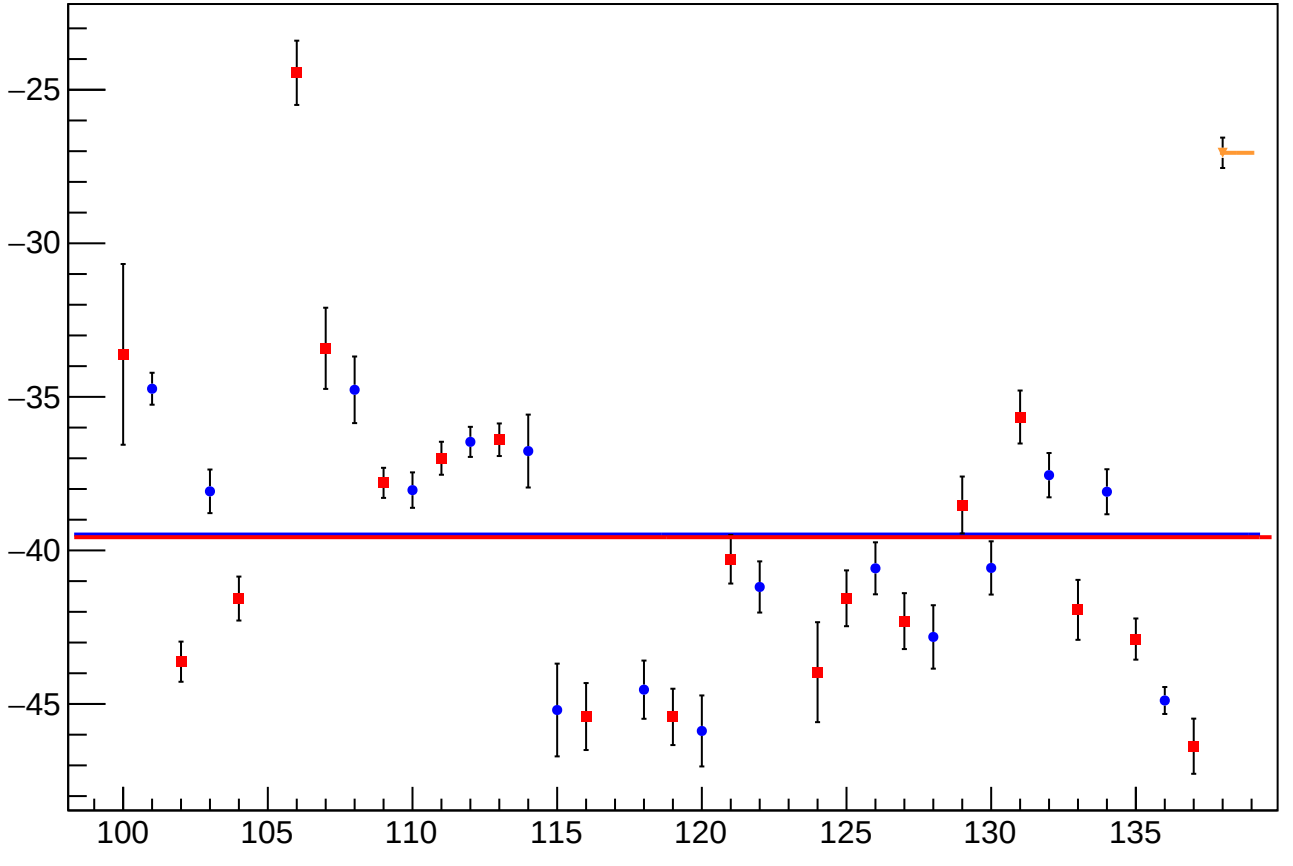
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: -0.174+/-0.173 χ^2/NDF:403.1/15

Out: 1.083+/-0.165 χ^2/NDF:921.0/19

All: 0.483+/-0.120 χ^2/NDF: 1351.7/35

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: -27.053+/-0.495 χ^2/NDF:0.0/0

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

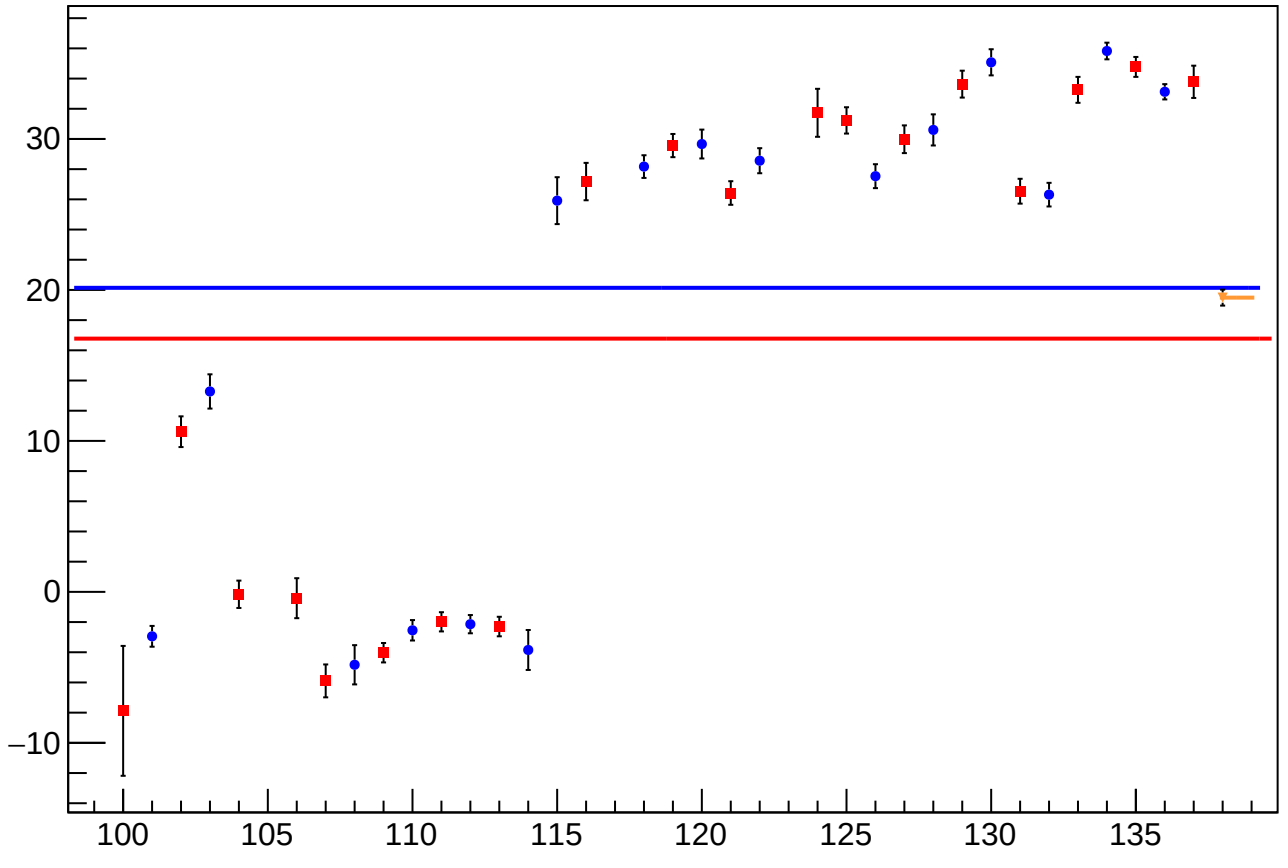
Left: -27.053+/-0.495 χ^2/NDF: 0.0/0

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -39.484+/-0.180 χ^2/NDF:409.3/15

Out: -38.094+/-0.170 χ^2/NDF:1117.6/19

All: -38.748+/-0.124 χ^2/NDF: 1558.3/35



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 19.490+/-0.528 χ^2/NDF:0.0/0

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 19.490+/-0.528 χ^2/NDF: 0.0/0

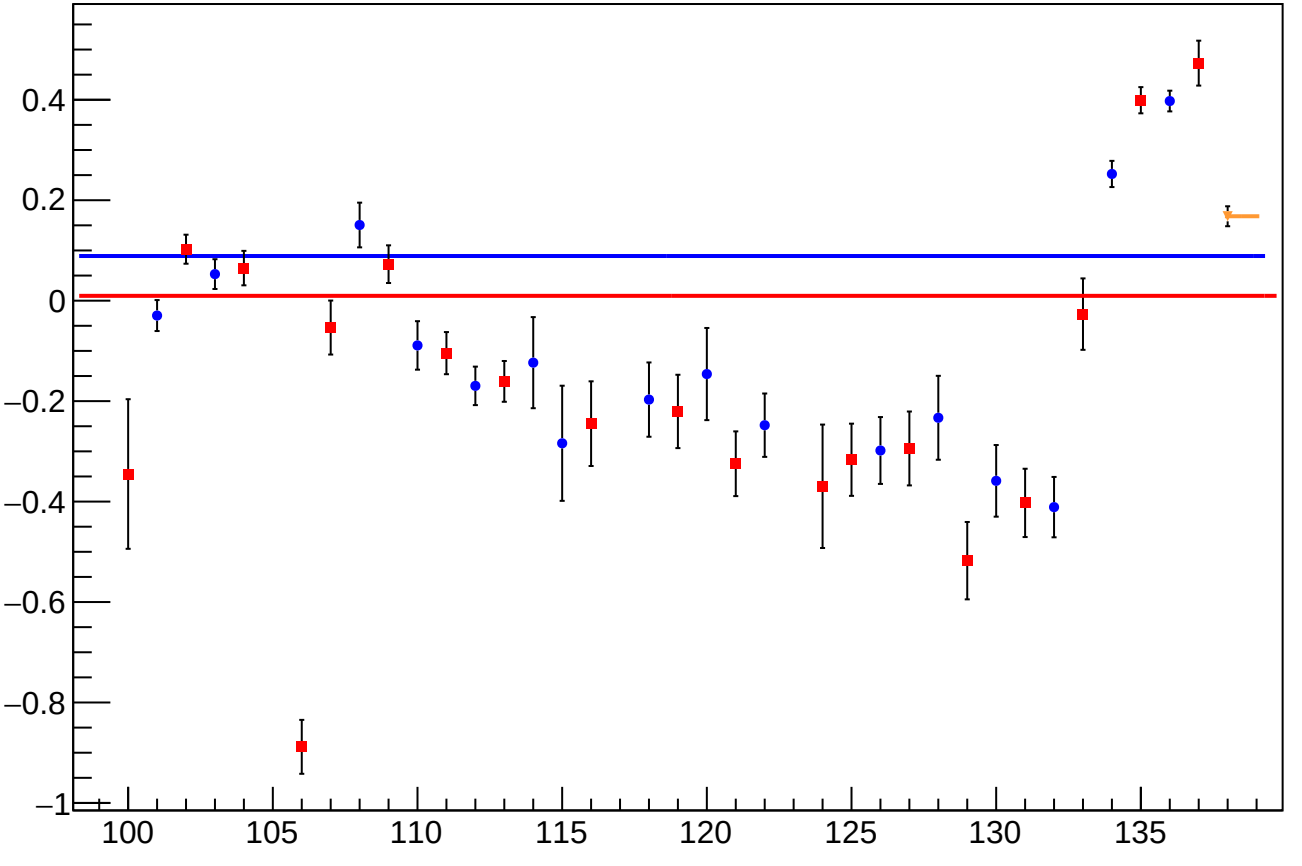
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 20.140+/-0.195 χ^2/NDF:6684.6/15

Out: 17.115+/-0.187 χ^2/NDF:6762.2/19

All: 18.565+/-0.135 χ^2/NDF: 13572.5/35

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: 0.168+/-0.020 χ^2/NDF:0.0/0

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

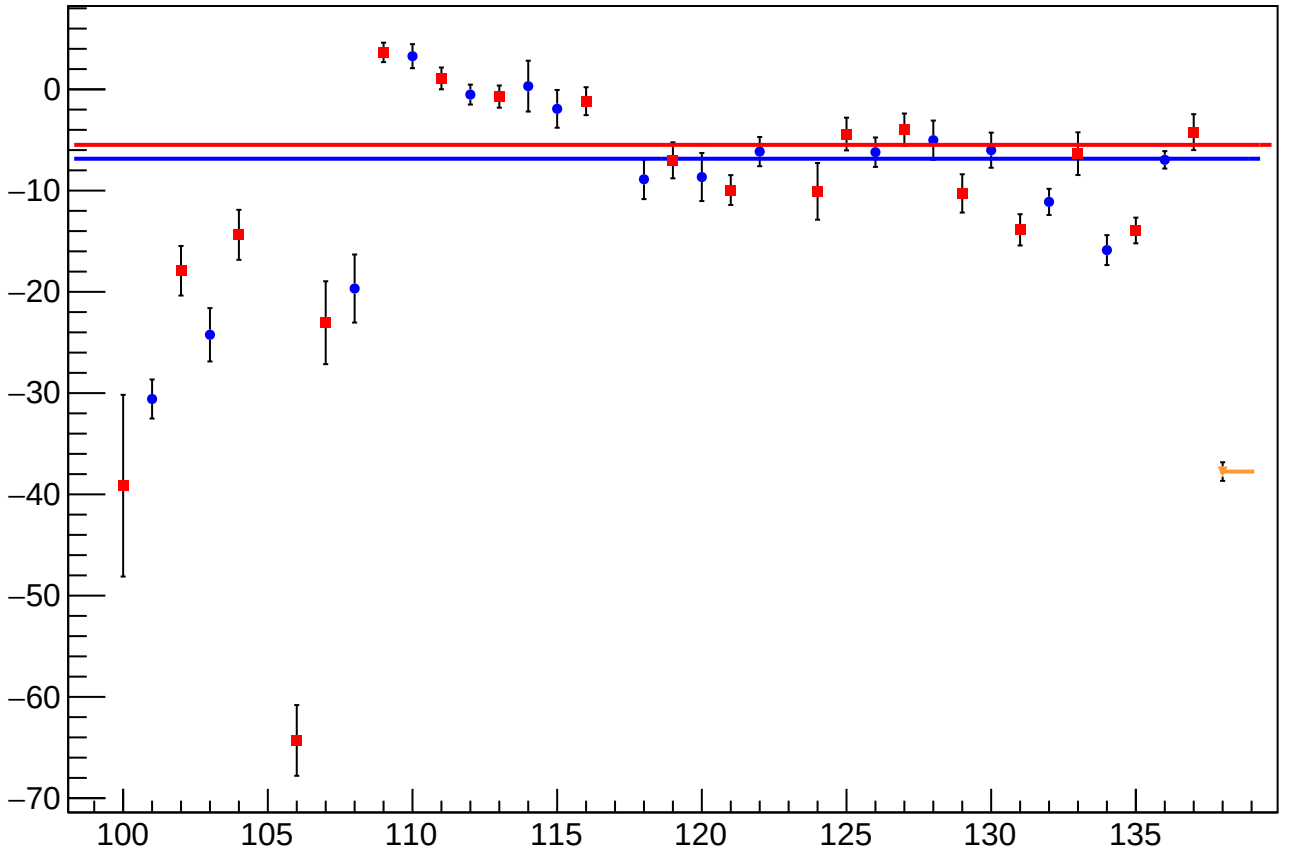
Left: 0.168+/-0.020 χ^2/NDF: 0.0/0

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.089+/-0.010 χ^2/NDF:563.9/15

Out: 0.047+/-0.010 χ^2/NDF:883.5/19

All: 0.066+/-0.007 χ^2/NDF: 1456.2/35



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -37.747+/-0.919 χ^2/NDF:0.0/0

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -37.747+/-0.919 χ^2/NDF: 0.0/0

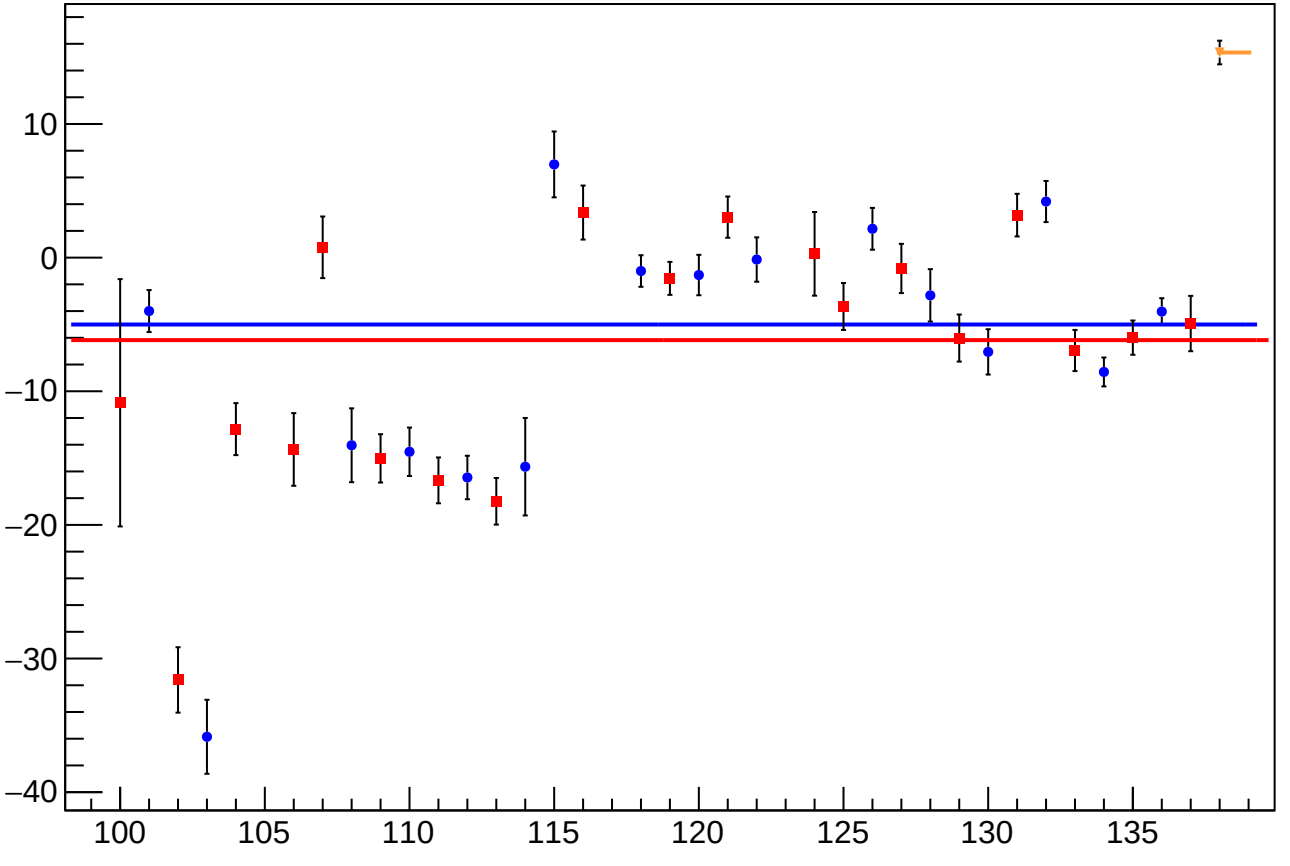
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -6.853+/-0.376 χ^2/NDF:390.1/15

Out: -9.960+/-0.342 χ^2/NDF:1667.6/19

All: -8.550+/-0.253 χ^2/NDF: 2095.0/35

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 15.350+/-0.885 χ^2/NDF:0.0/0

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 15.350+/-0.885 χ^2/NDF: 0.0/0

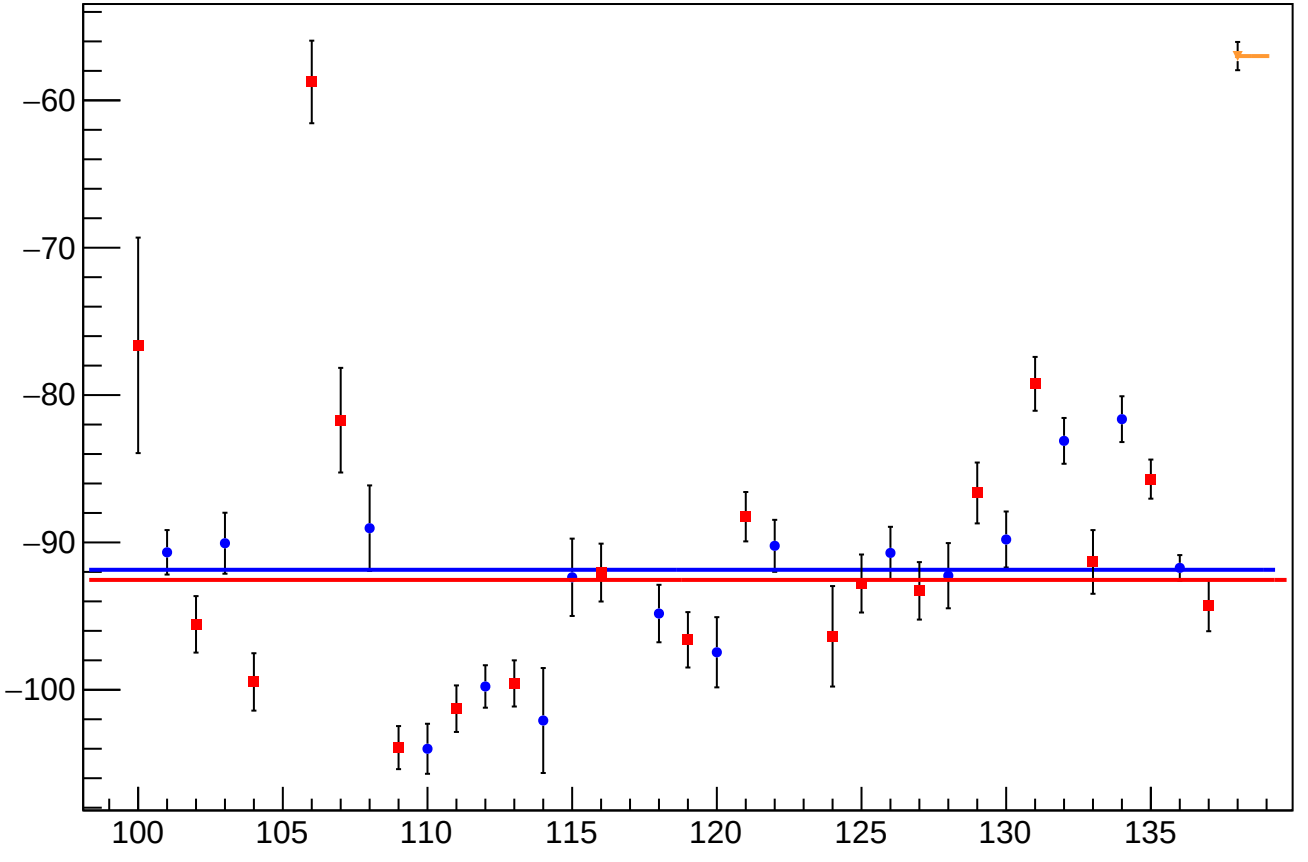
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -5.005+/-0.395 χ^2/NDF:341.7/15

Out: -2.268+/-0.377 χ^2/NDF:853.6/19

All: -3.571+/-0.273 χ^2/NDF: 1220.4/35

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -56.995+/-0.959 χ^2/NDF:0.0/0

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

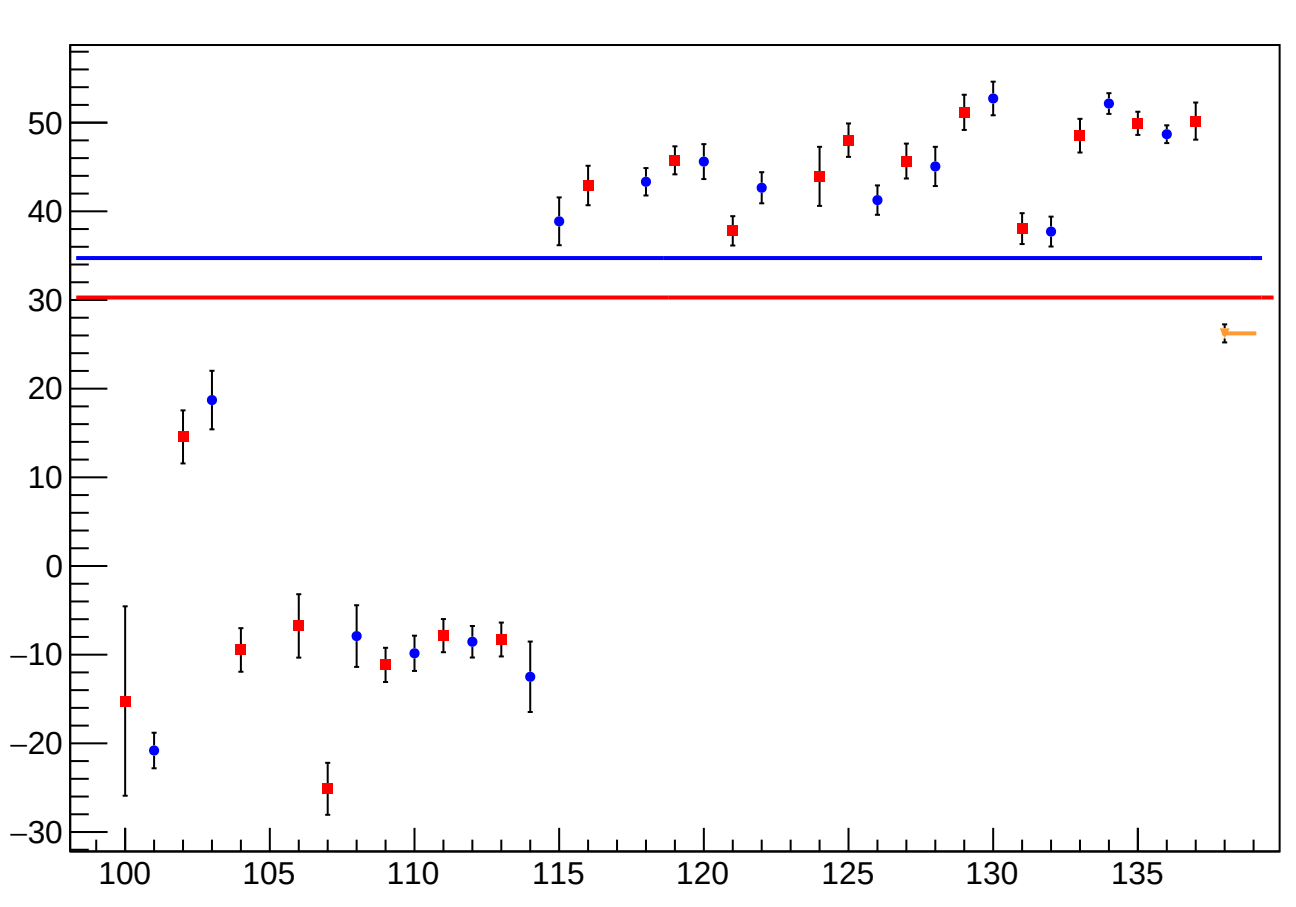
Left: -56.995+/-0.959 χ^2/NDF: 0.0/0

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -91.856+/-0.424 χ^2/NDF:177.3/15

Out: -86.376+/-0.399 χ^2/NDF:1524.1/19

All: -88.952+/-0.291 χ^2/NDF: 1789.8/35



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 26.233+/-1.019 χ^2/NDF:0.0/0

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

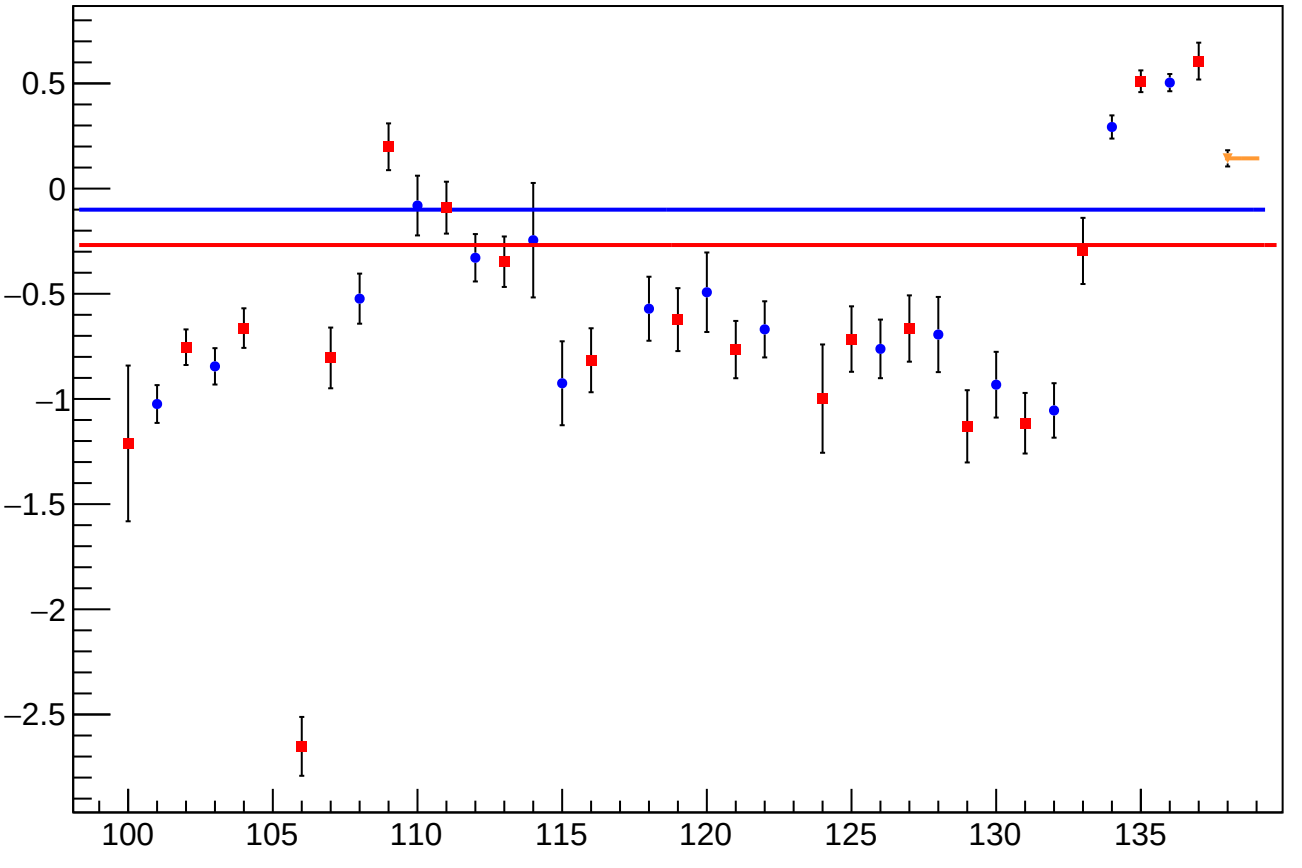
Left: 26.233+/-1.019 χ^2/NDF: 0.0/0

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 34.729+/-0.442 χ^2/NDF:2809.1/15

Out: 29.576+/-0.425 χ^2/NDF:2924.2/19

All: 32.050+/-0.306 χ^2/NDF: 5804.0/35



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.144+/-0.039 χ^2/NDF:0.0/0

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.144+/-0.039 χ^2/NDF: 0.0/0

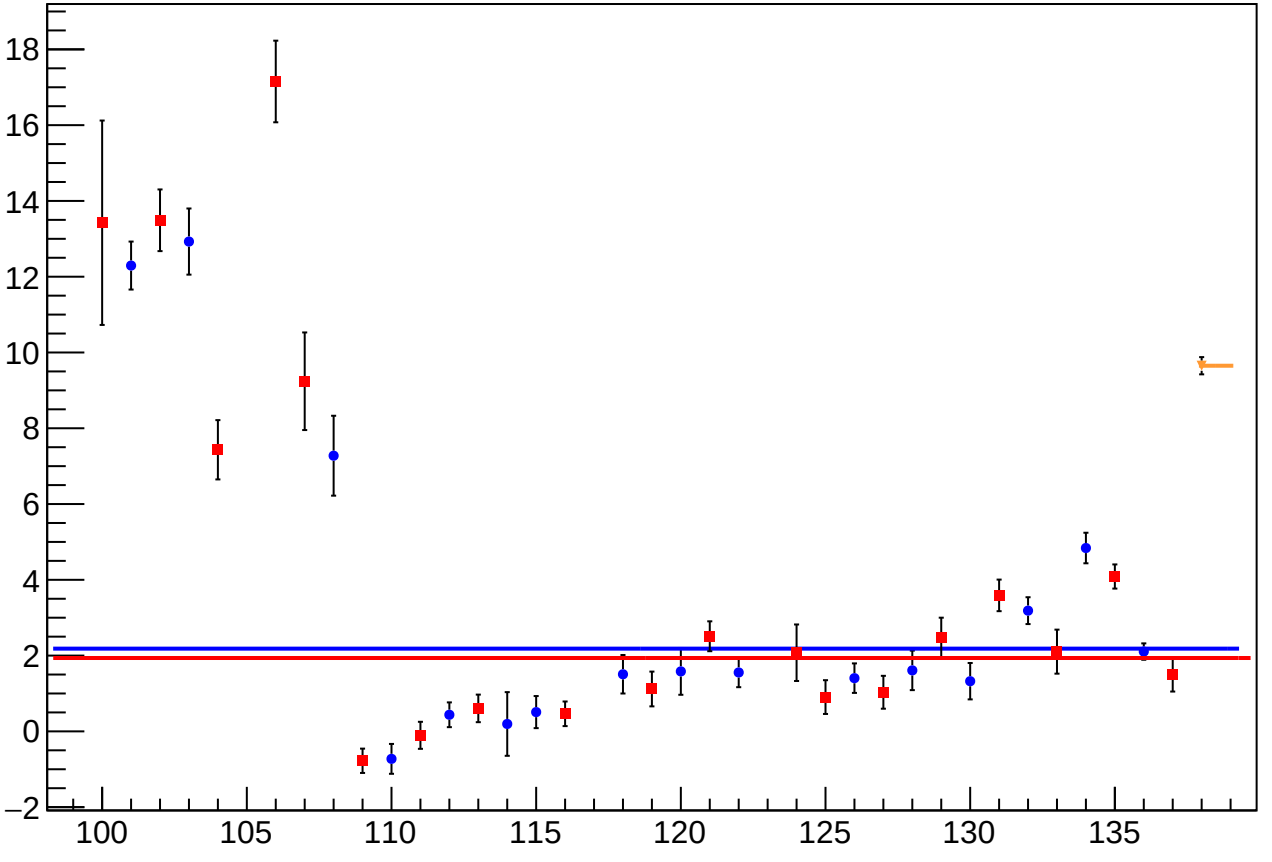
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: -0.100+/-0.024 χ^2/NDF:631.4/15

Out: -0.137+/-0.022 χ^2/NDF:900.2/19

All: -0.121+/-0.016 χ^2/NDF: 1532.9/35

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: 9.650+/-0.227 χ^2/NDF:0.0/0

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 9.650+/-0.227 χ^2/NDF: 0.0/0

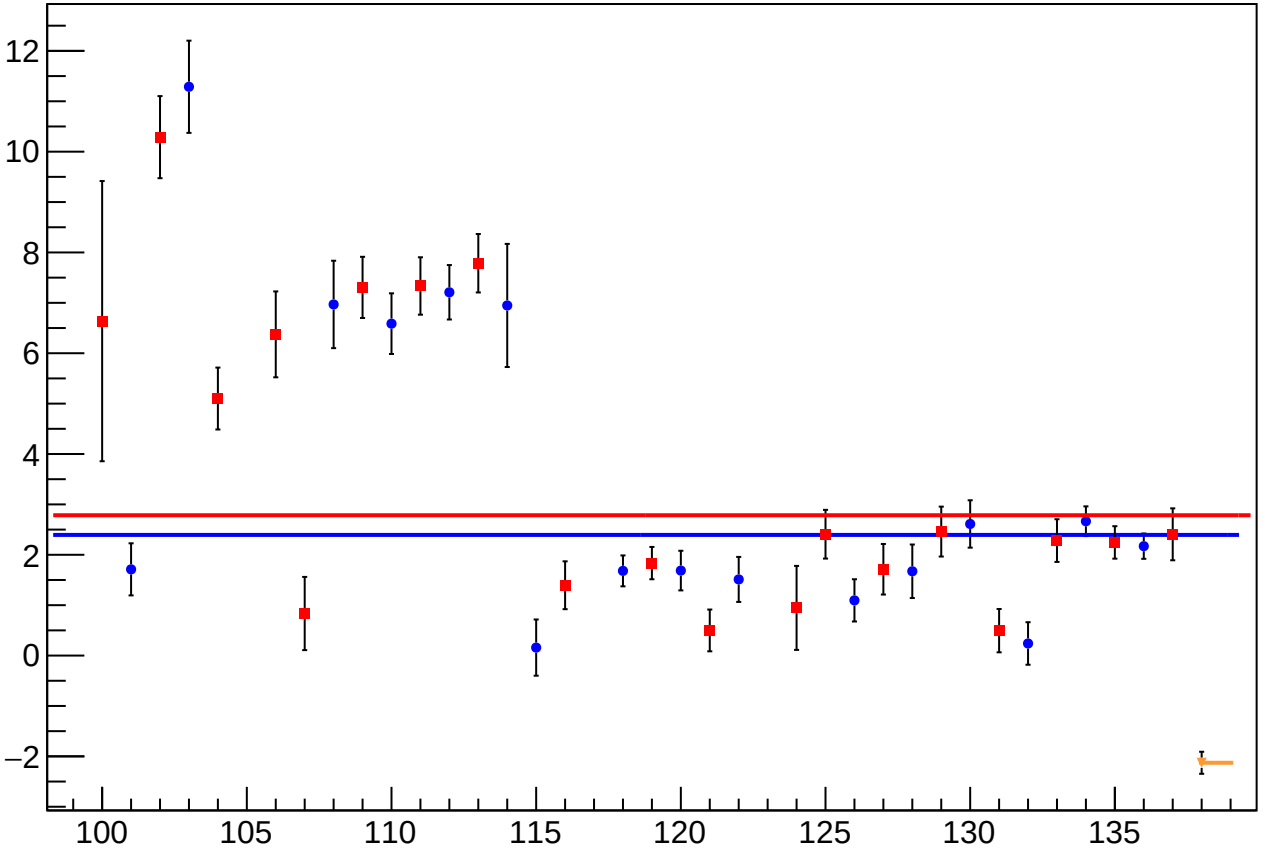
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 2.184+/-0.105 χ^2/NDF:599.3/15

Out: 3.302+/-0.096 χ^2/NDF:1664.1/19

All: 2.795+/-0.071 χ^2/NDF: 2325.4/35

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: -2.128+/-0.219 χ^2/NDF:0.0/0

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -2.128+/-0.219 χ^2/NDF: 0.0/0

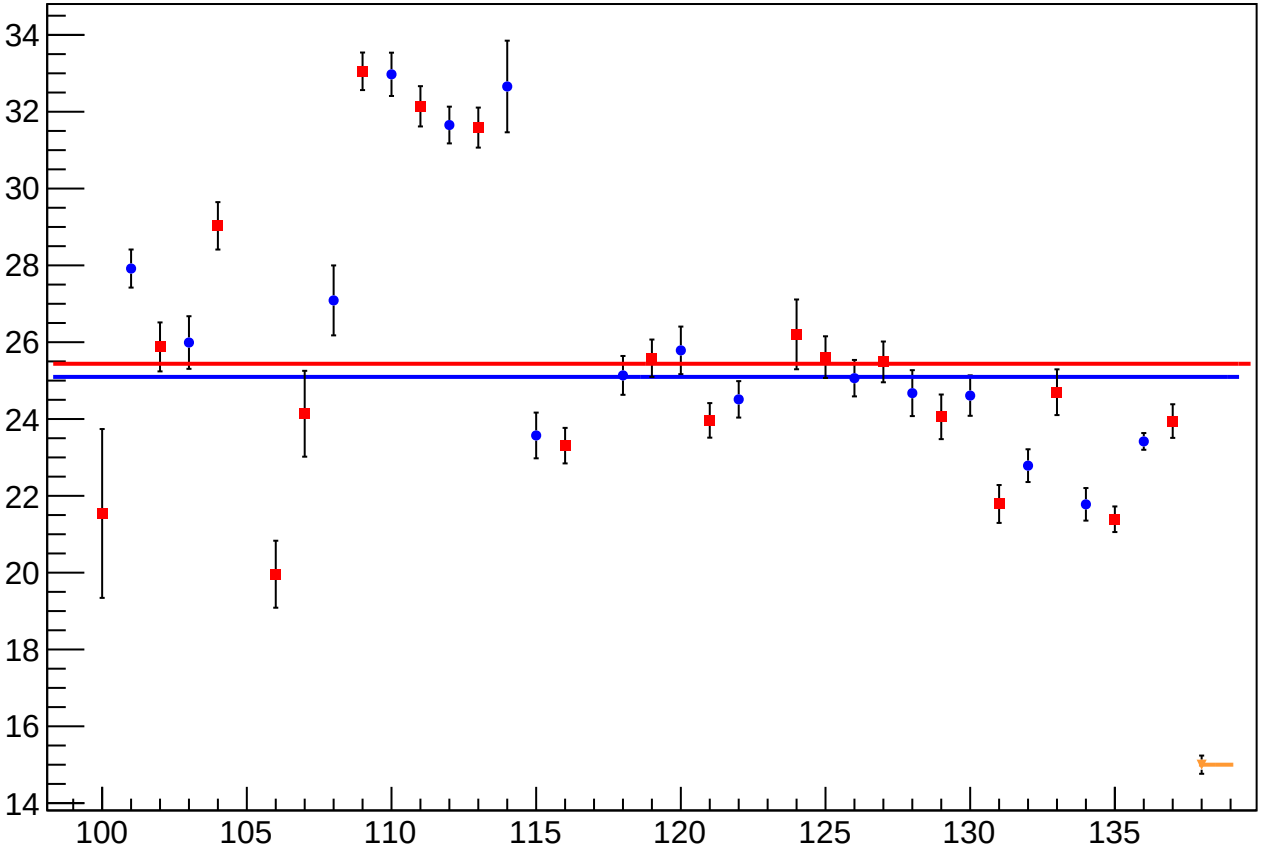
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 2.394+/-0.108 χ^2/NDF:333.9/15

Out: 1.707+/-0.102 χ^2/NDF:805.0/19

All: 2.032+/-0.074 χ^2/NDF: 1160.2/35

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: 15.001+/-0.237 χ^2/NDF:0.0/0

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 15.001+/-0.237 χ^2/NDF: 0.0/0

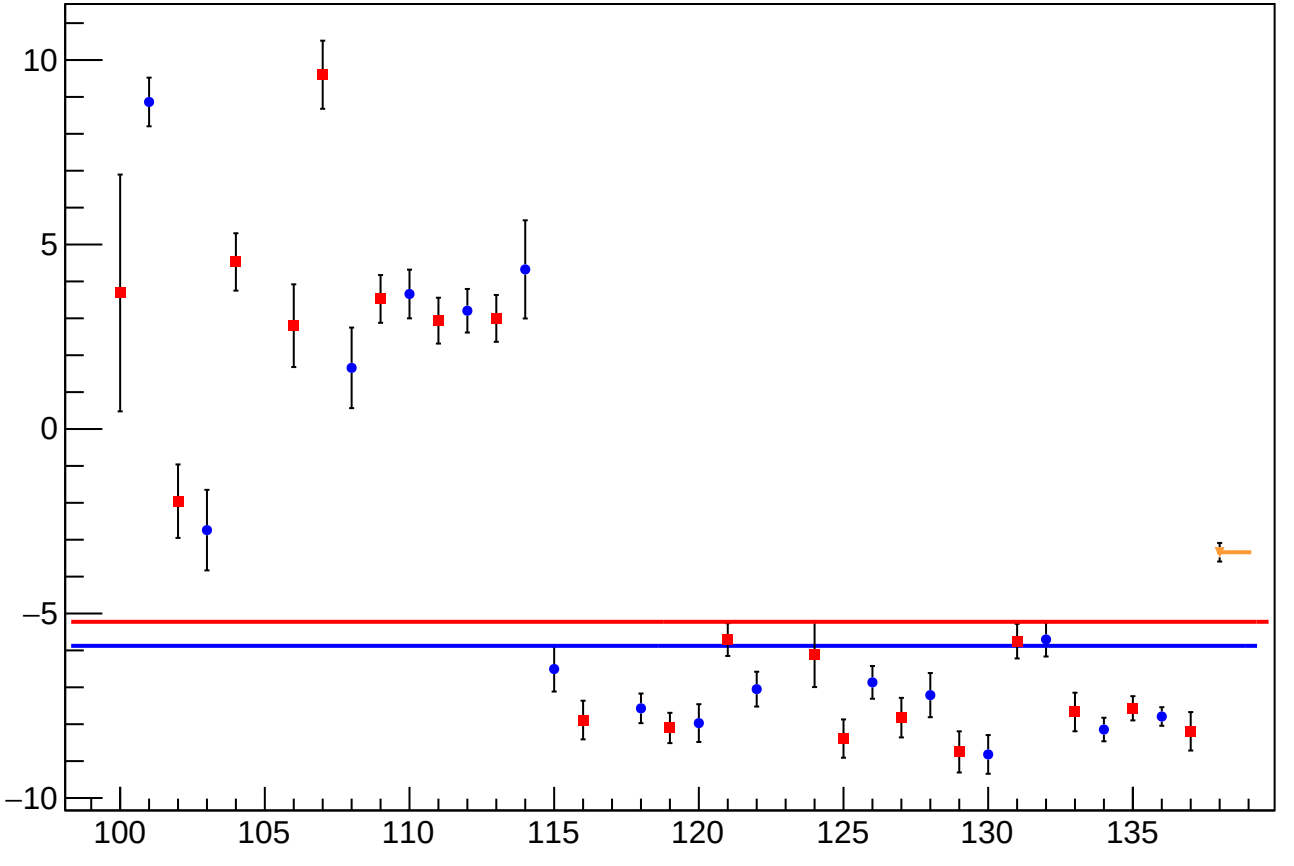
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 25.096+/-0.118 χ^2/NDF:622.9/15

Out: 23.197+/-0.110 χ^2/NDF:2398.2/19

All: 24.083+/-0.080 χ^2/NDF: 3160.5/35

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -3.340+/-0.252 χ^2/NDF:0.0/0

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -3.340+/-0.252 χ^2/NDF: 0.0/0

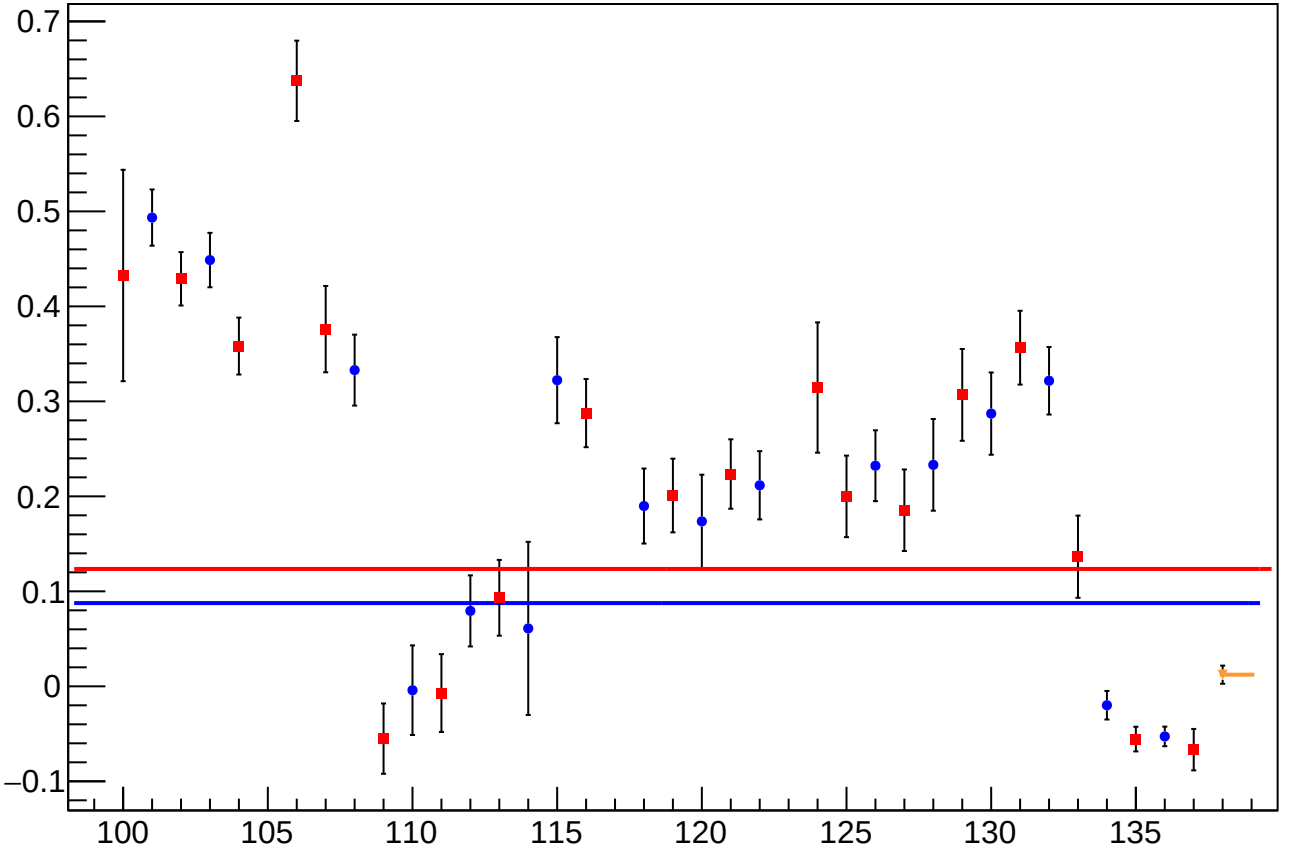
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -5.876+/-0.121 χ^2/NDF:1251.4/15

Out: -4.831+/-0.115 χ^2/NDF:1336.2/19

All: -5.329+/-0.083 χ^2/NDF: 2626.9/35

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: 0.012+/-0.010 χ^2/NDF:0.0/0

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

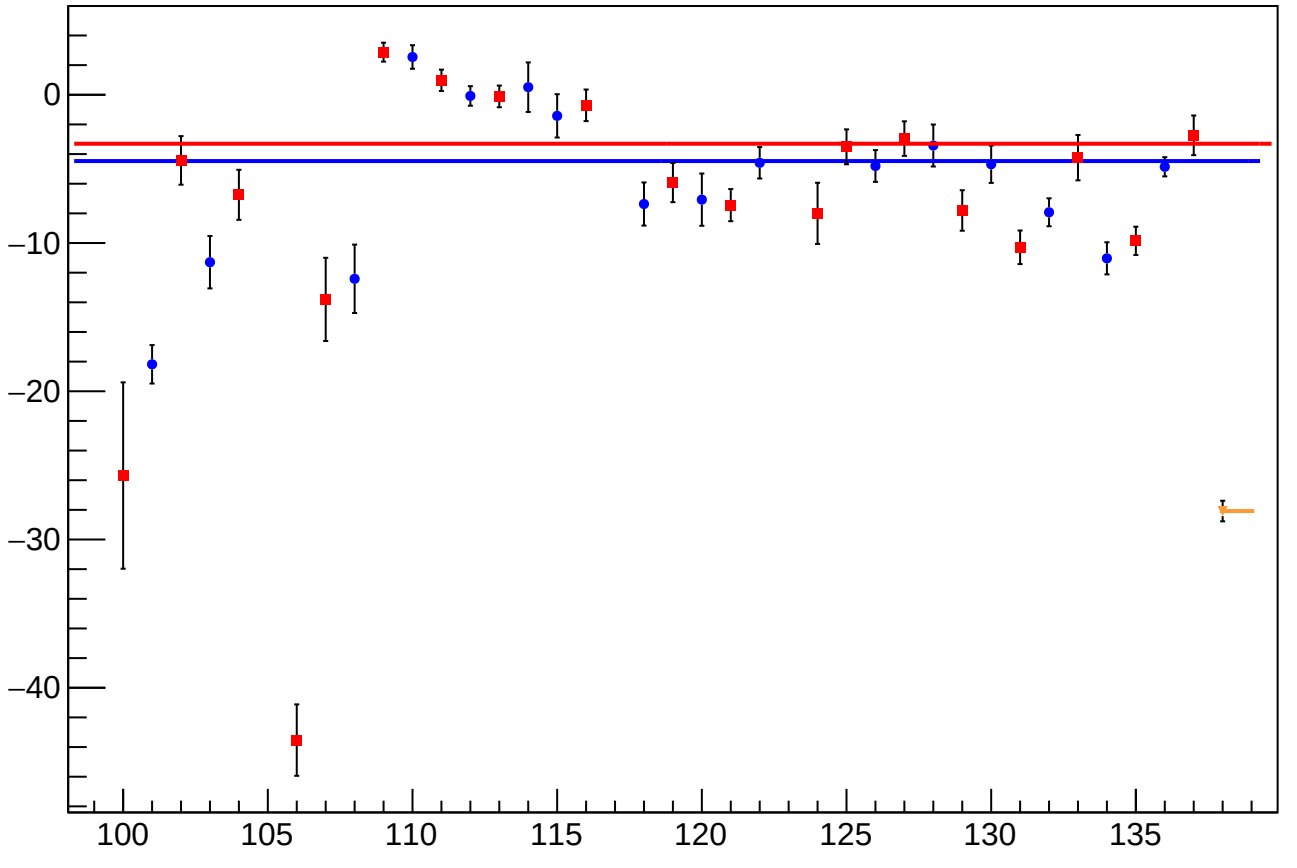
Left: 0.012+/-0.010 χ^2/NDF: 0.0/0

Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.088+/-0.007 χ^2/NDF:768.0/15

Out: 0.082+/-0.006 χ^2/NDF:847.8/19

All: 0.085+/-0.004 χ^2/NDF: 1616.2/35



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -28.080+/-0.695 χ^2/NDF:0.0/0

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -28.080+/-0.695 χ^2/NDF: 0.0/0

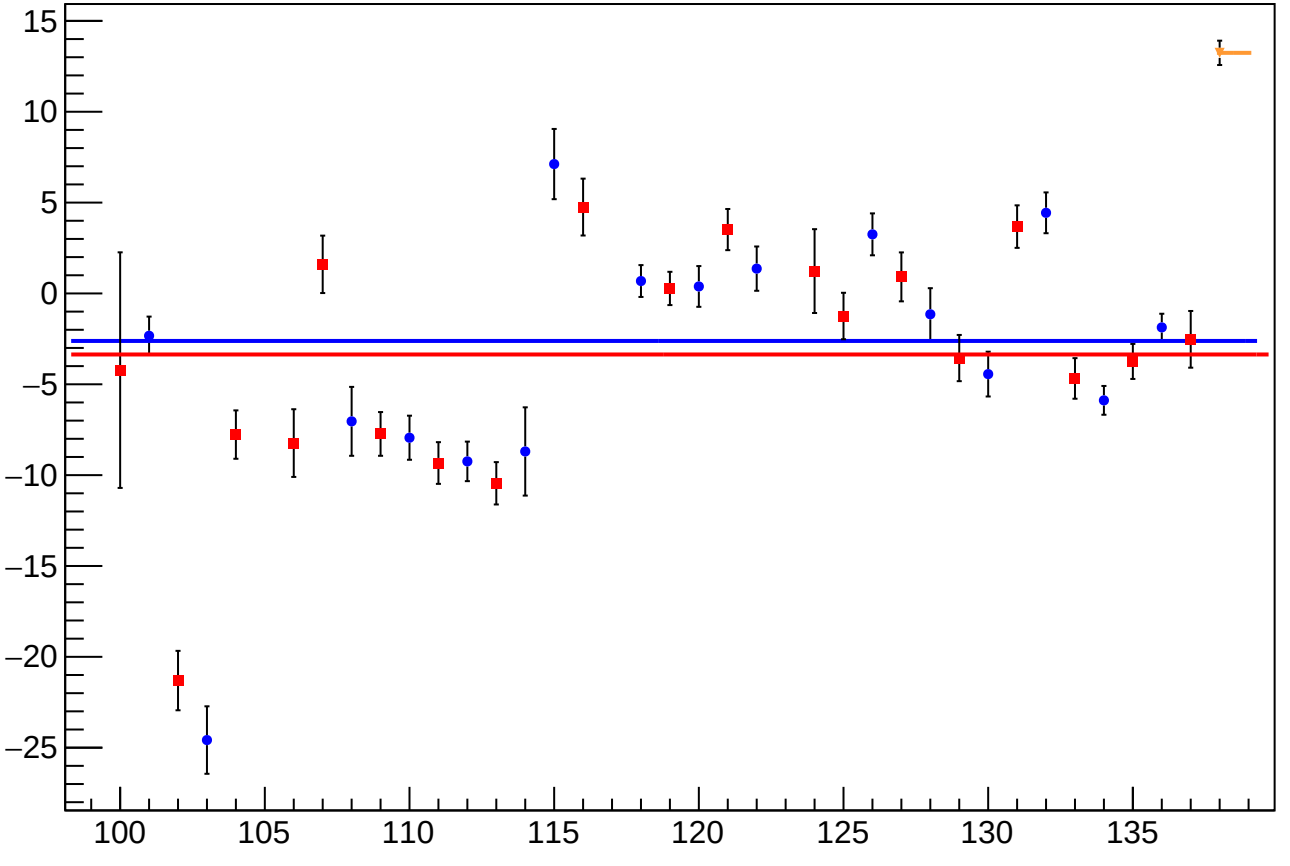
Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -4.471+/-0.268 χ^2/NDF:331.8/15

Out: -6.359+/-0.244 χ^2/NDF:1698.0/19

All: -5.504+/-0.181 χ^2/NDF: 2056.9/35

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: 13.242+/-0.670 χ^2/NDF:0.0/0

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 13.242+/-0.670 χ^2/NDF: 0.0/0

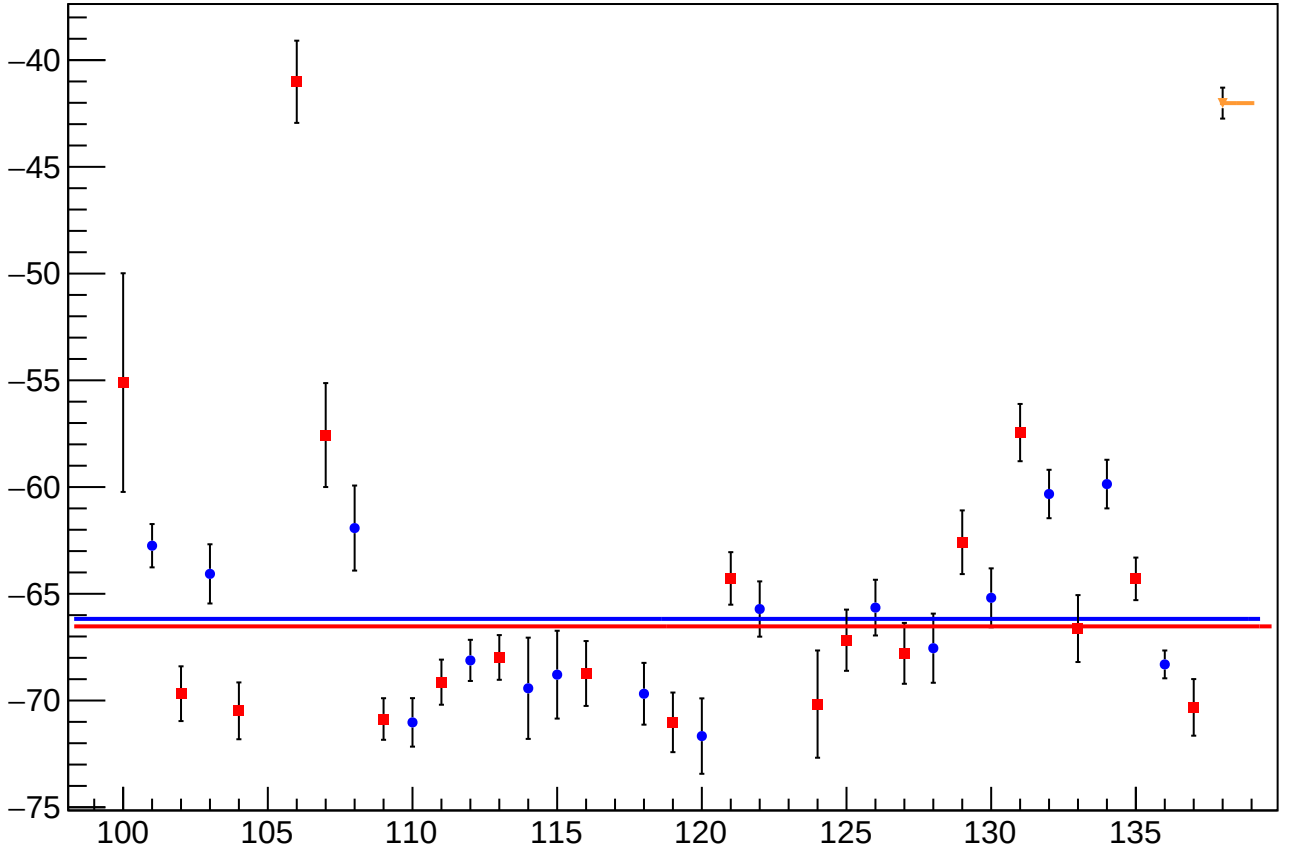
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -2.615+/-0.286 χ^2/NDF:351.9/15

Out: -0.605+/-0.273 χ^2/NDF:871.9/19

All: -1.564+/-0.197 χ^2/NDF: 1249.7/35

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -42.015+/-0.725 χ^2/NDF:0.0/0

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -42.015+/-0.725 χ^2/NDF: 0.0/0

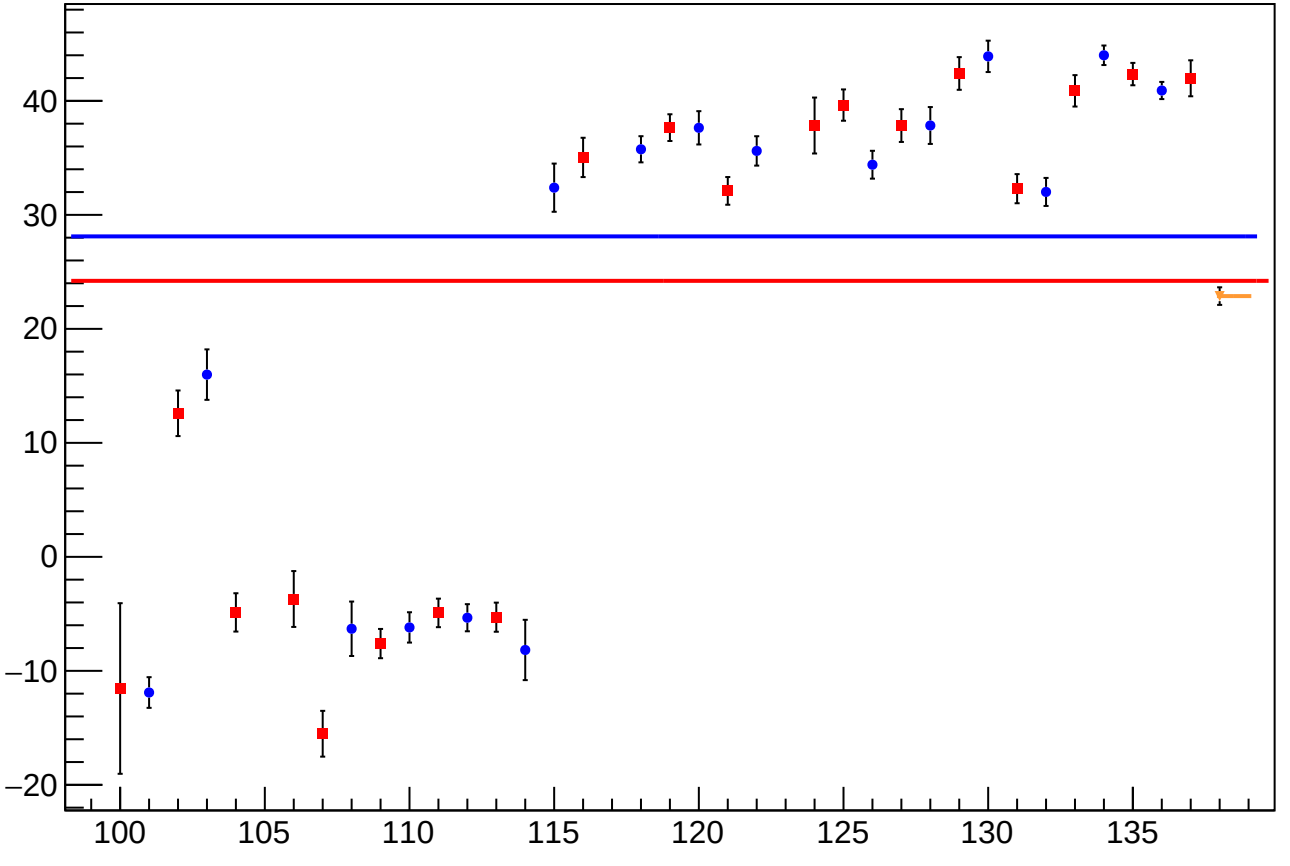
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -66.176+/-0.304 χ^2/NDF:129.2/15

Out: -62.688+/-0.287 χ^2/NDF:1285.3/19

All: -64.329+/-0.209 χ^2/NDF: 1484.0/35

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 22.874+/-0.771 χ^2/NDF:0.0/0

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

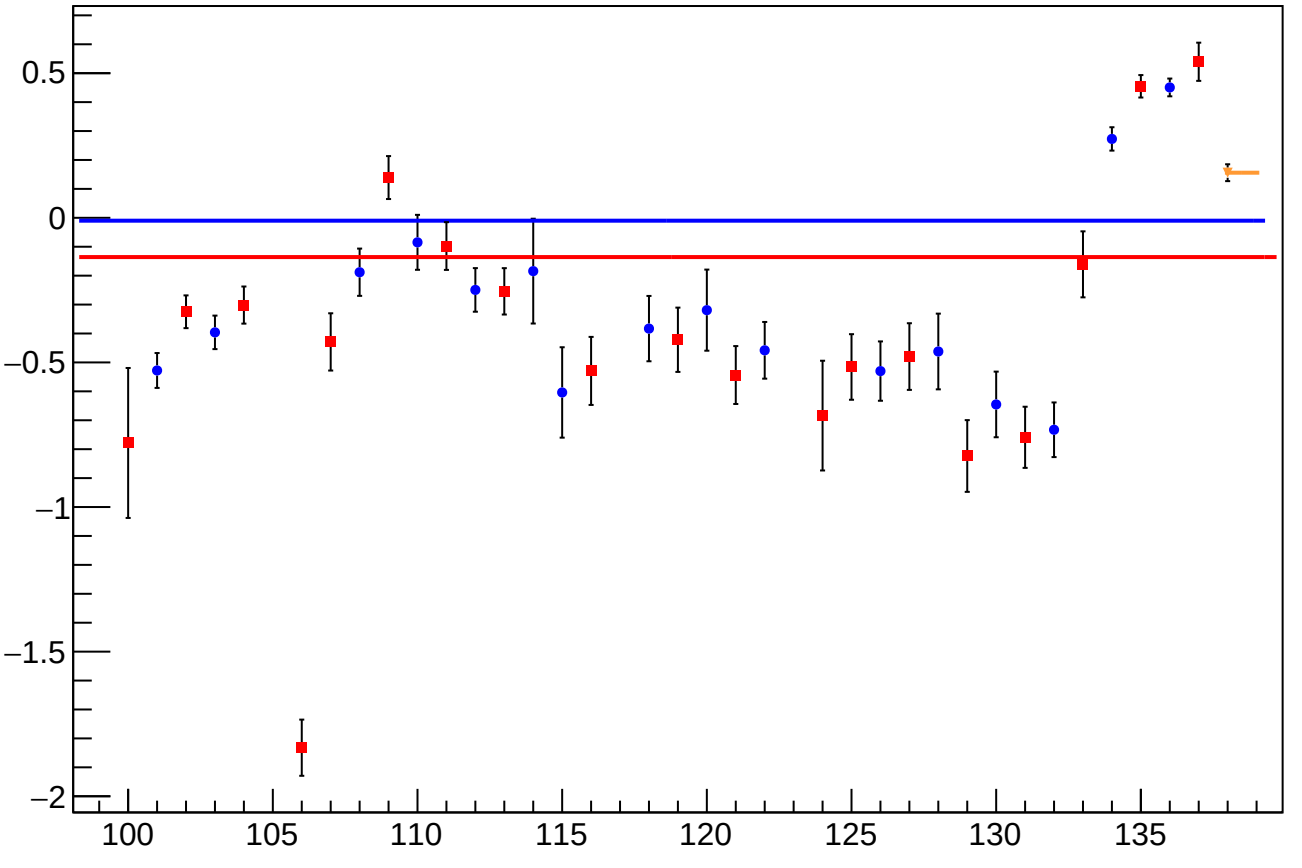
Left: 22.874+/-0.771 χ^2/NDF: 0.0/0

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 28.112+/-0.320 χ^2/NDF:3727.7/15

Out: 23.999+/-0.308 χ^2/NDF:3844.2/19

All: 25.976+/-0.222 χ^2/NDF: 7657.7/35



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.156+/-0.029 χ^2/NDF:0.0/0

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

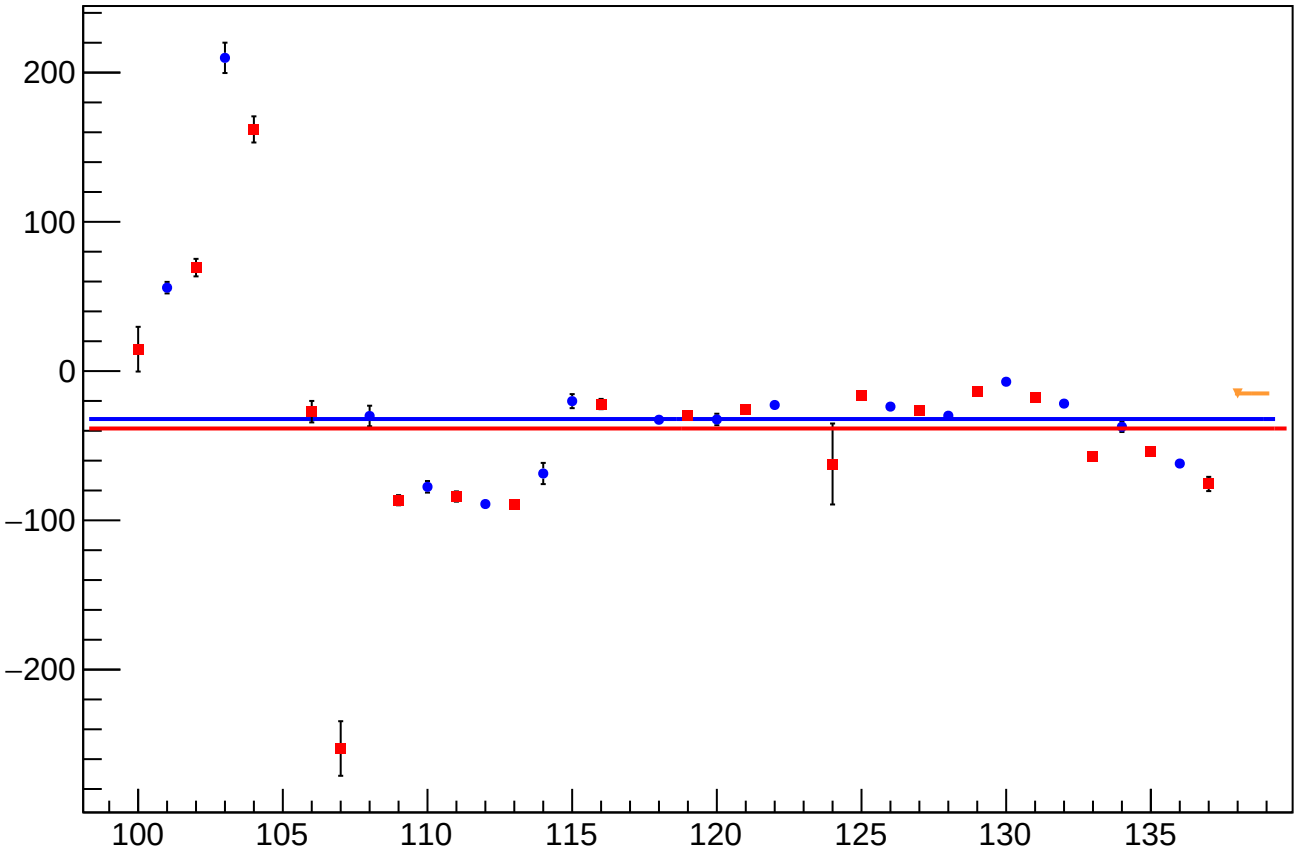
Left: 0.156+/-0.029 χ^2/NDF: 0.0/0

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: -0.010+/-0.017 χ^2/NDF:587.4/15

Out: -0.050+/-0.016 χ^2/NDF:889.2/19

All: -0.032+/-0.012 χ^2/NDF: 1479.4/35



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -14.976+/-2.439 χ^2/NDF:0.0/0

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

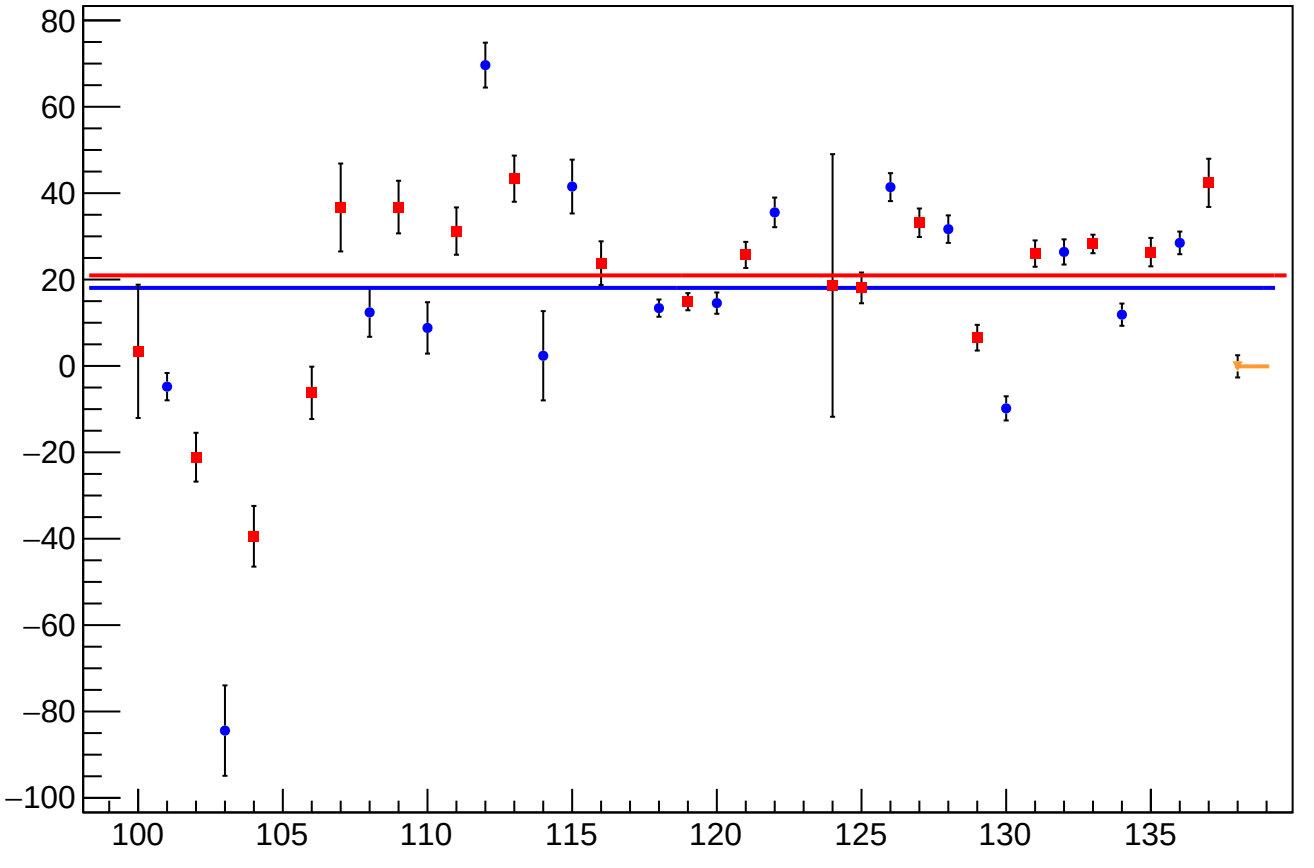
Left: -14.976+/-2.439 χ^2/NDF: 0.0/0

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -32.117+/-0.843 χ^2/NDF:1877.5/15

Out: -35.840+/-0.815 χ^2/NDF:2054.9/19

All: -34.041+/-0.586 χ^2/NDF: 3942.5/35



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: -0.099+/-2.572 χ^2/NDF:0.0/0

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

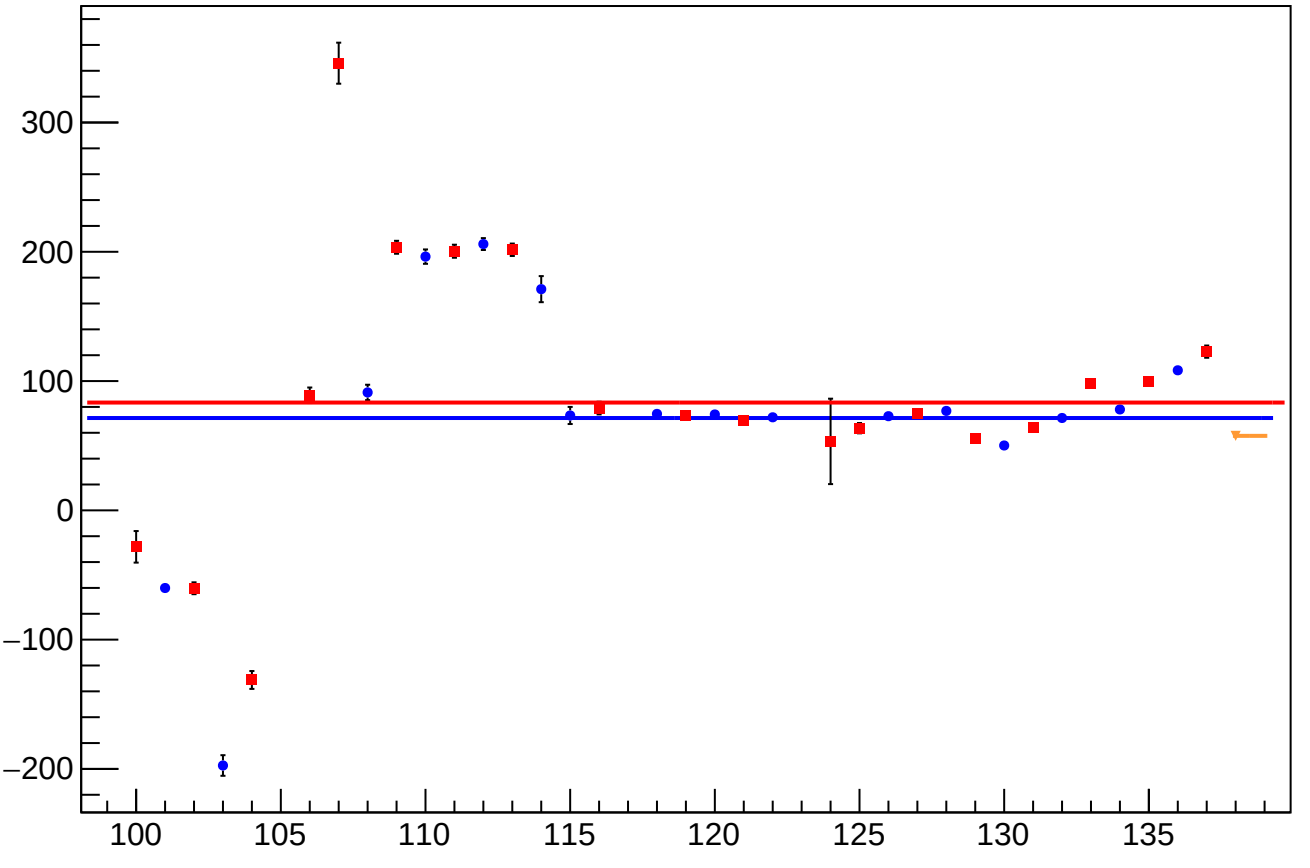
Left: -0.099+/-2.572 χ^2/NDF: 0.0/0

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 18.068+/-0.823 χ^2/NDF:499.6/15

Out: 18.804+/-0.823 χ^2/NDF:322.8/19

All: 18.436+/-0.582 χ^2/NDF: 822.8/35



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 57.623+/-2.546 χ^2/NDF:0.0/0

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

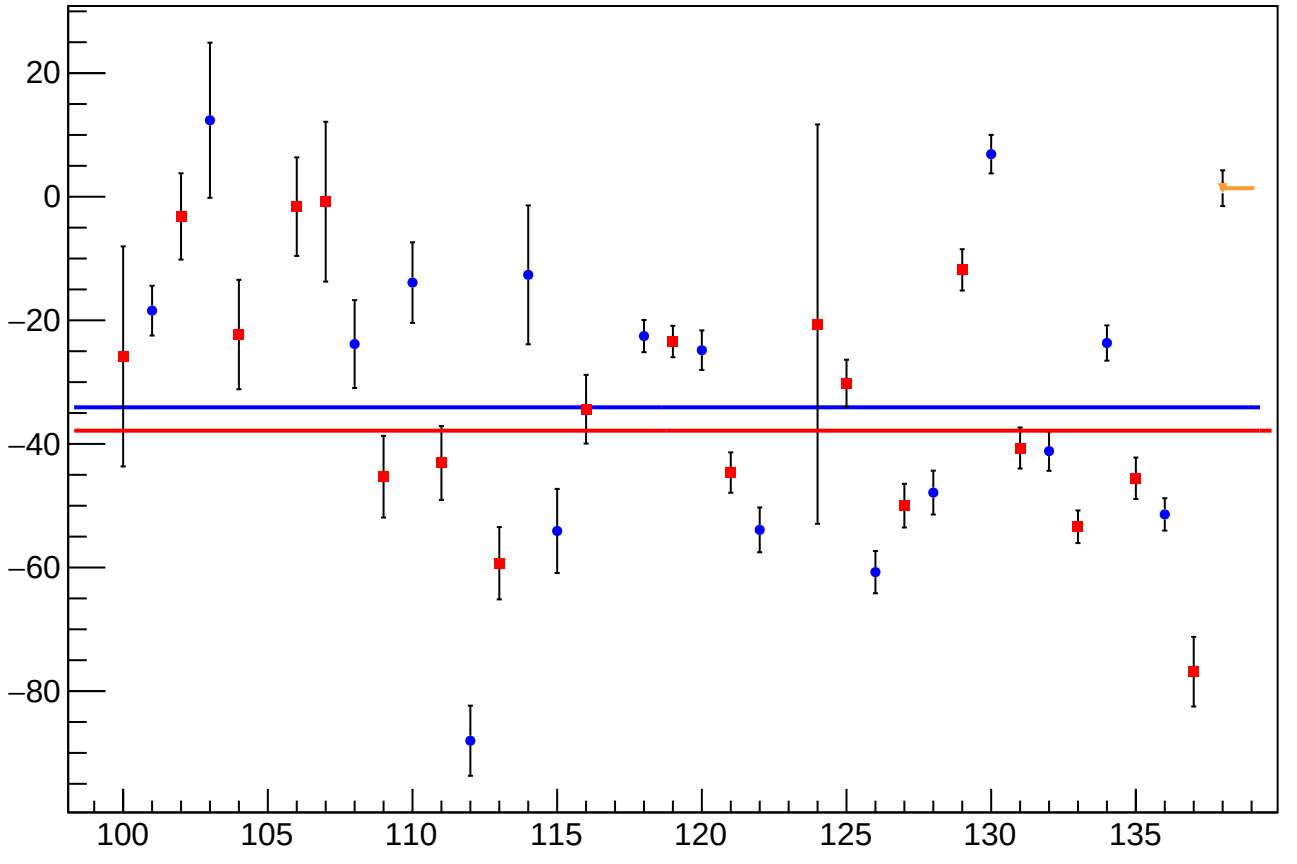
Left: 57.623+/-2.546 χ^2/NDF: 0.0/0

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 71.421+/-0.931 χ^2/NDF:4819.6/15

Out: 80.031+/-0.919 χ^2/NDF:4386.4/19

All: 75.784+/-0.654 χ^2/NDF: 9249.2/35



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: 1.376+/-2.893 χ^2/NDF:0.0/0

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

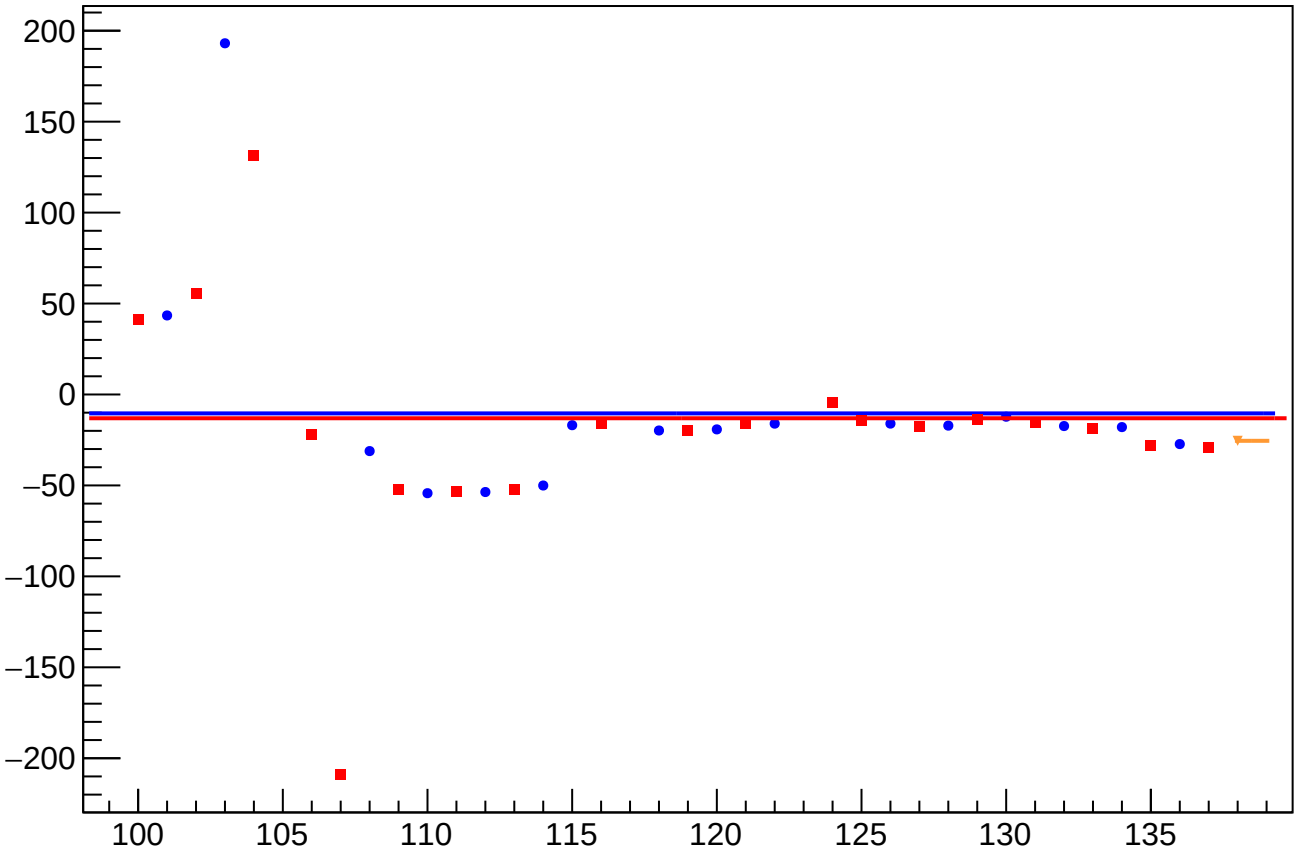
Left: 1.376+/-2.893 χ^2/NDF: 0.0/0

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -34.077+/-0.942 χ^2/NDF:511.2/15

Out: -33.713+/-0.940 χ^2/NDF:439.2/19

All: -33.894+/-0.665 χ^2/NDF: 950.4/35



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -25.479+/-0.100 χ^2/NDF:0.0/0

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

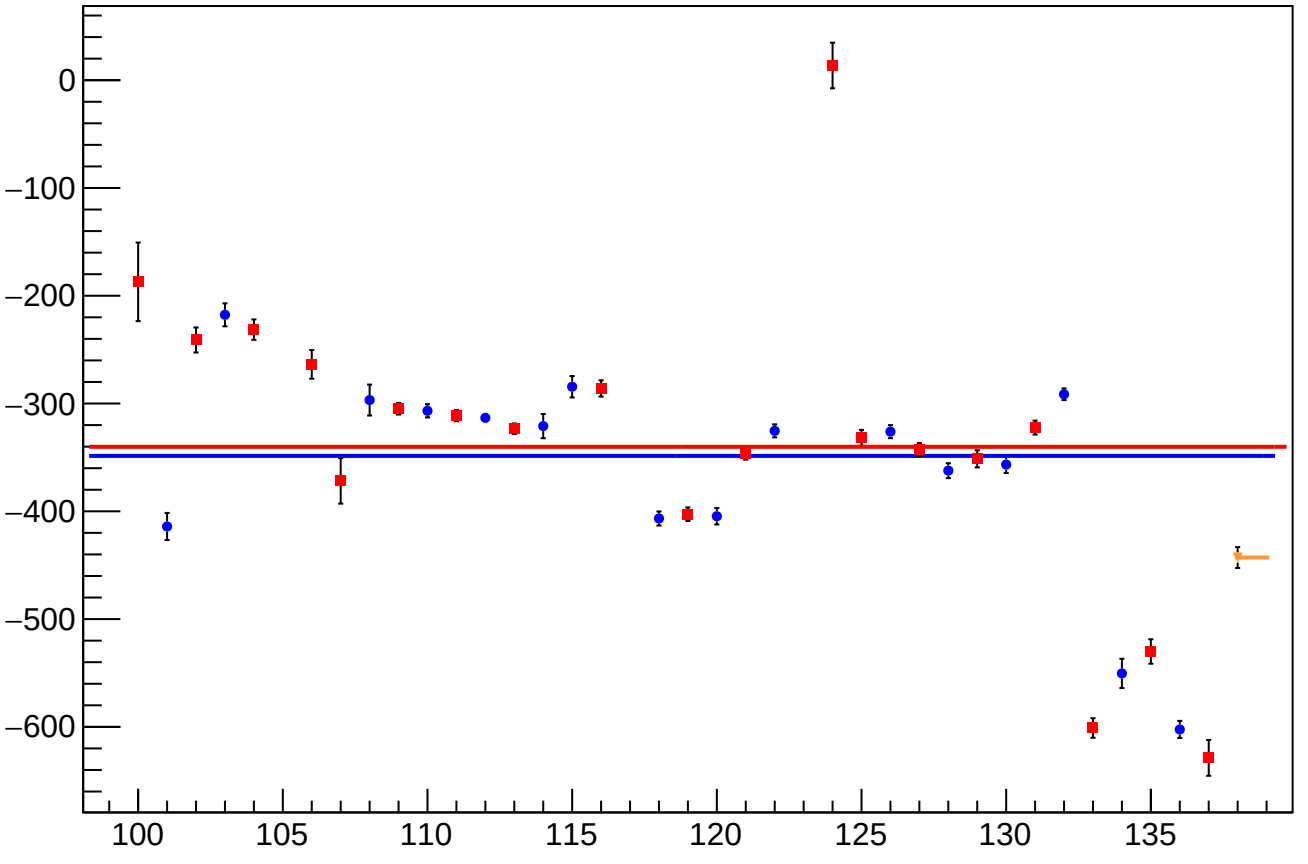
Left: -25.479+/-0.100 χ^2/NDF: 0.0/0

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -10.400+/-0.057 χ^2/NDF:522334.6/15

Out: -16.558+/-0.053 χ^2/NDF:460631.7/19

All: -13.687+/-0.039 χ^2/NDF: 989236.1/35



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -442.880+/-9.680 χ^2/NDF:0.0/0

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

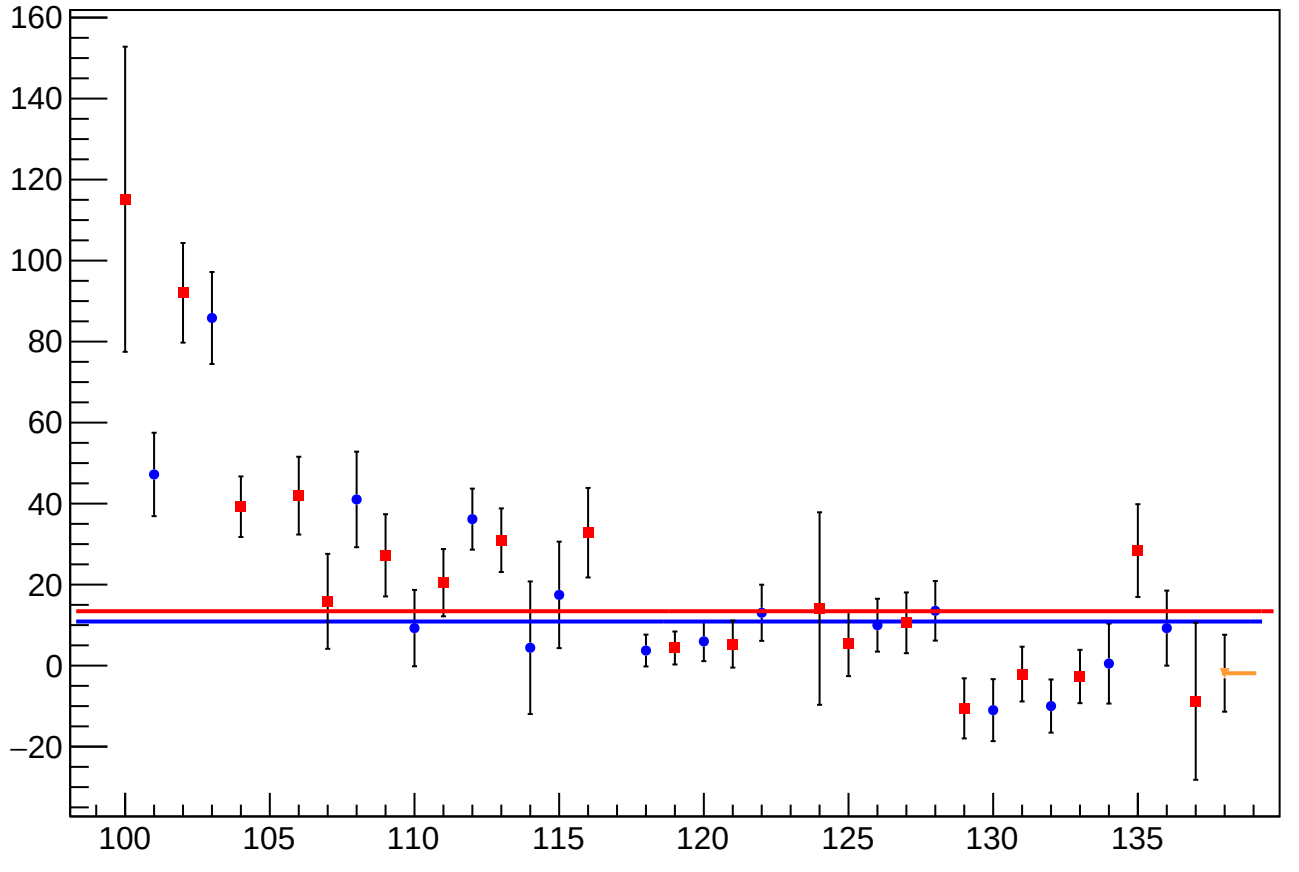
Left: -442.880+/-9.680 χ^2/NDF: 0.0/0

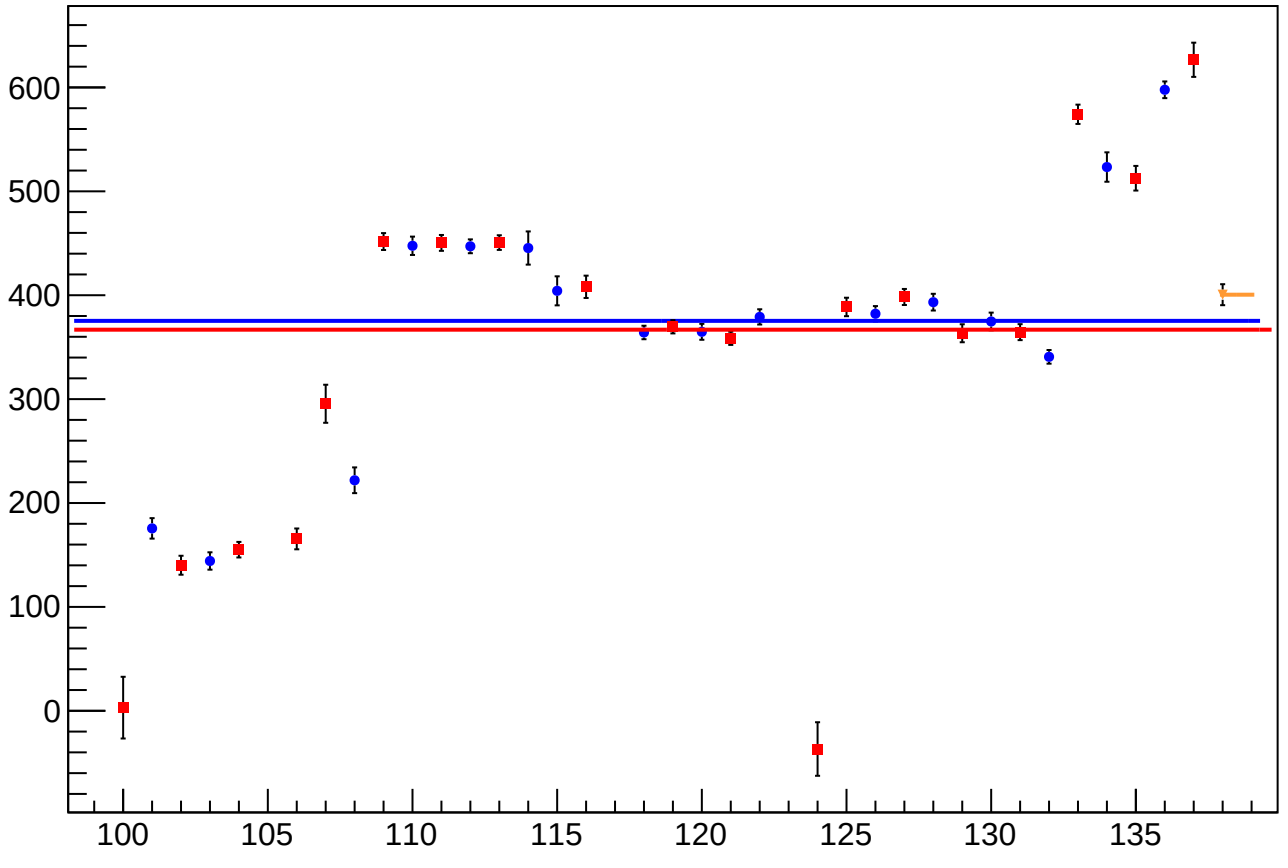
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -348.586+/-1.825 χ^2/NDF:1858.3/15

Out: -343.430+/-1.731 χ^2/NDF:2306.2/19

All: -345.872+/-1.256 χ^2/NDF: 4168.6/35


reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected
160
140
120
100
80
60
40
20
0
−20
100
105
110
115
120
125
130
135
Right In: 10.888+/-1.843 χ²/NDF: 98.2/15
Left Out: -1.882+/-9.498 χ²/NDF:0.0/0
Right Out: 13.427+/-1.854 χ²/NDF: 112.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -1.882+/-9.498 χ²/NDF: 0.0/0
Right: 12.149+/-1.307 χ²/NDF: 211.6/34
In: 10.888+/-1.843 χ²/NDF:98.2/15
Out: 12.865+/-1.820 χ²/NDF:114.9/19
All: 11.889+/-1.295 χ²/NDF: 213.7/35



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 400.509+/-10.099 χ^2/NDF:0.0/0

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

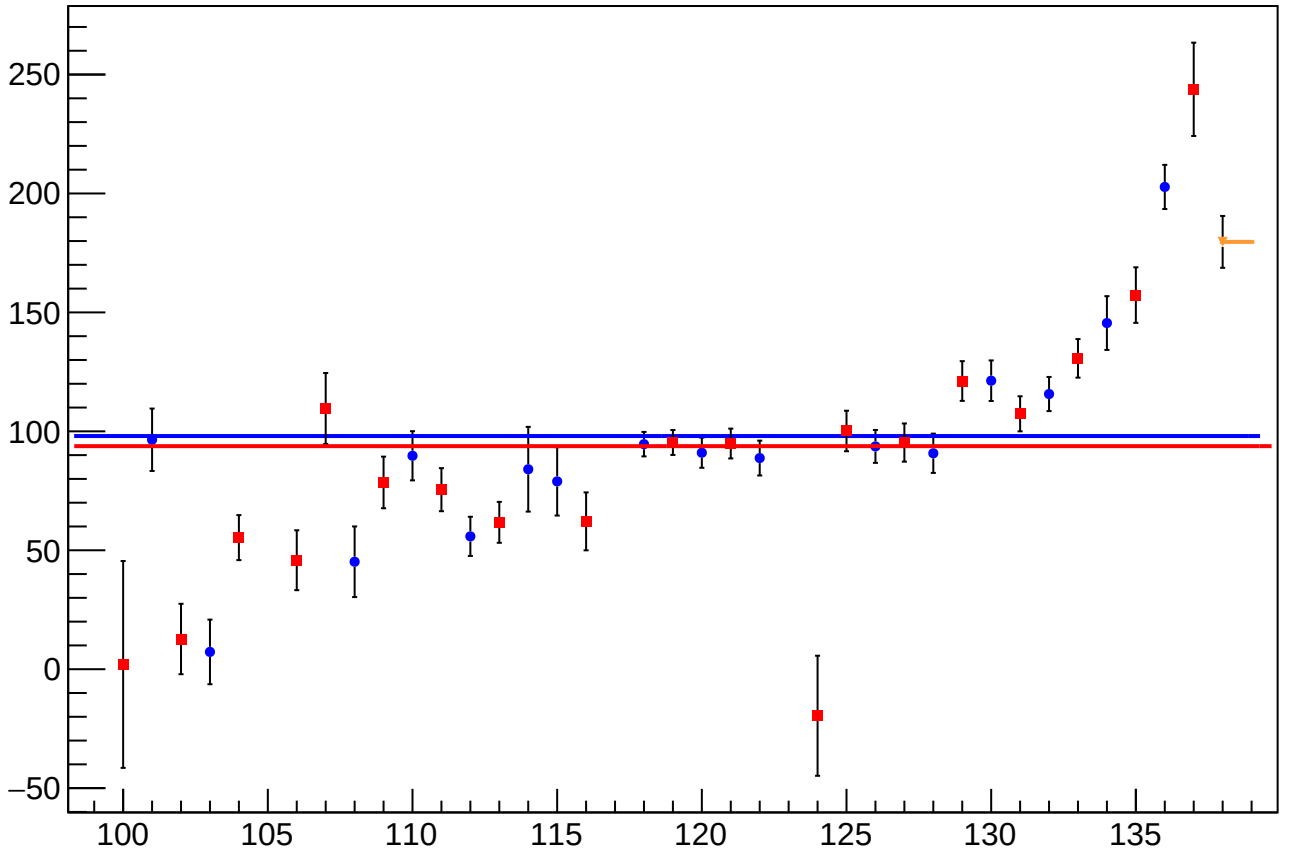
Left: 400.509+/-10.099 χ^2/NDF: 0.0/0

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 375.321+/-2.103 χ^2/NDF:2449.5/15

Out: 368.162+/-2.008 χ^2/NDF:3551.8/19

All: 371.577+/-1.452 χ^2/NDF: 6007.3/35



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 179.645+/-10.905 χ^2/NDF:0.0/0

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

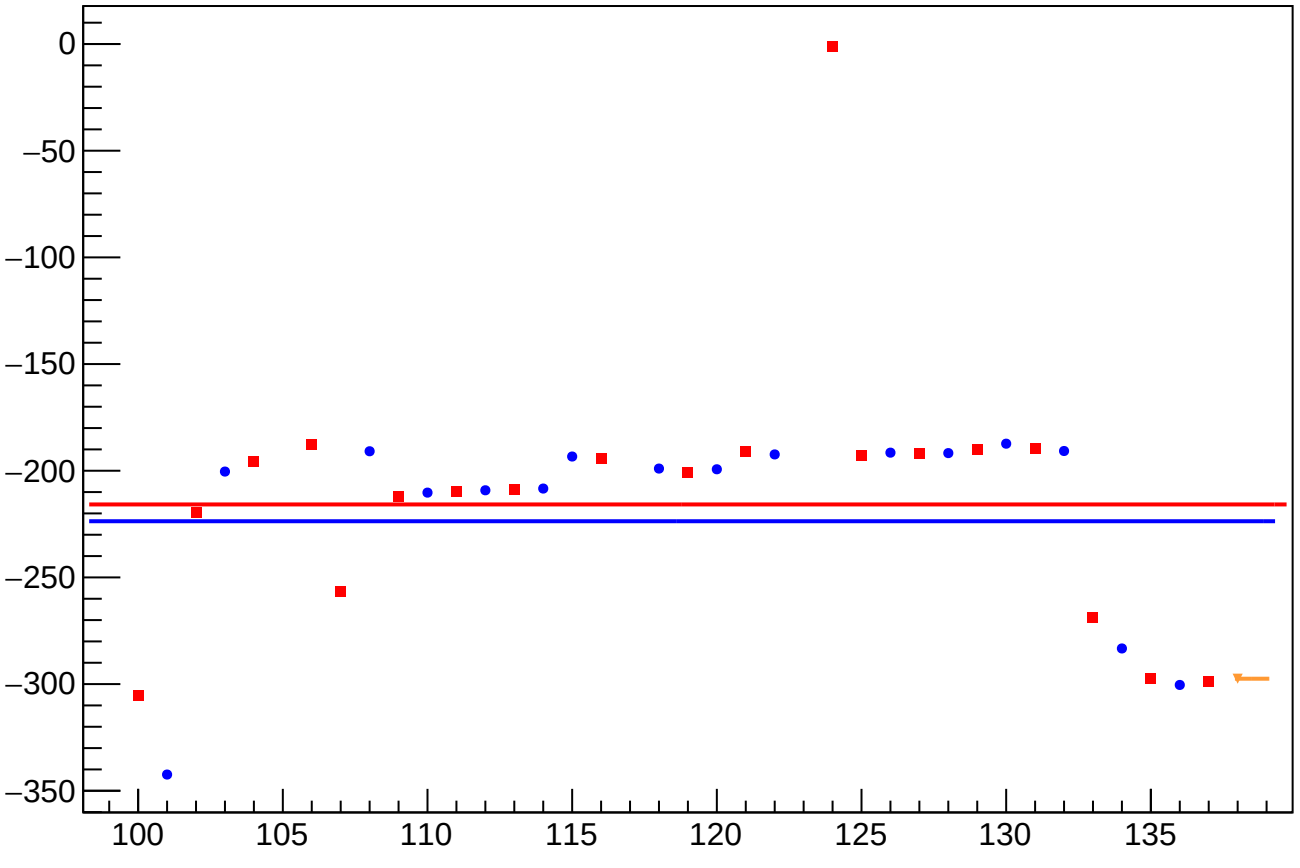
Left: 179.645+/-10.905 χ^2/NDF: 0.0/0

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 98.021+/-2.144 χ^2/NDF:249.5/15

Out: 96.951+/-2.098 χ^2/NDF:296.9/19

All: 97.474+/-1.500 χ^2/NDF: 546.5/35



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -297.479+/-0.406 χ^2/NDF:0.0/0

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

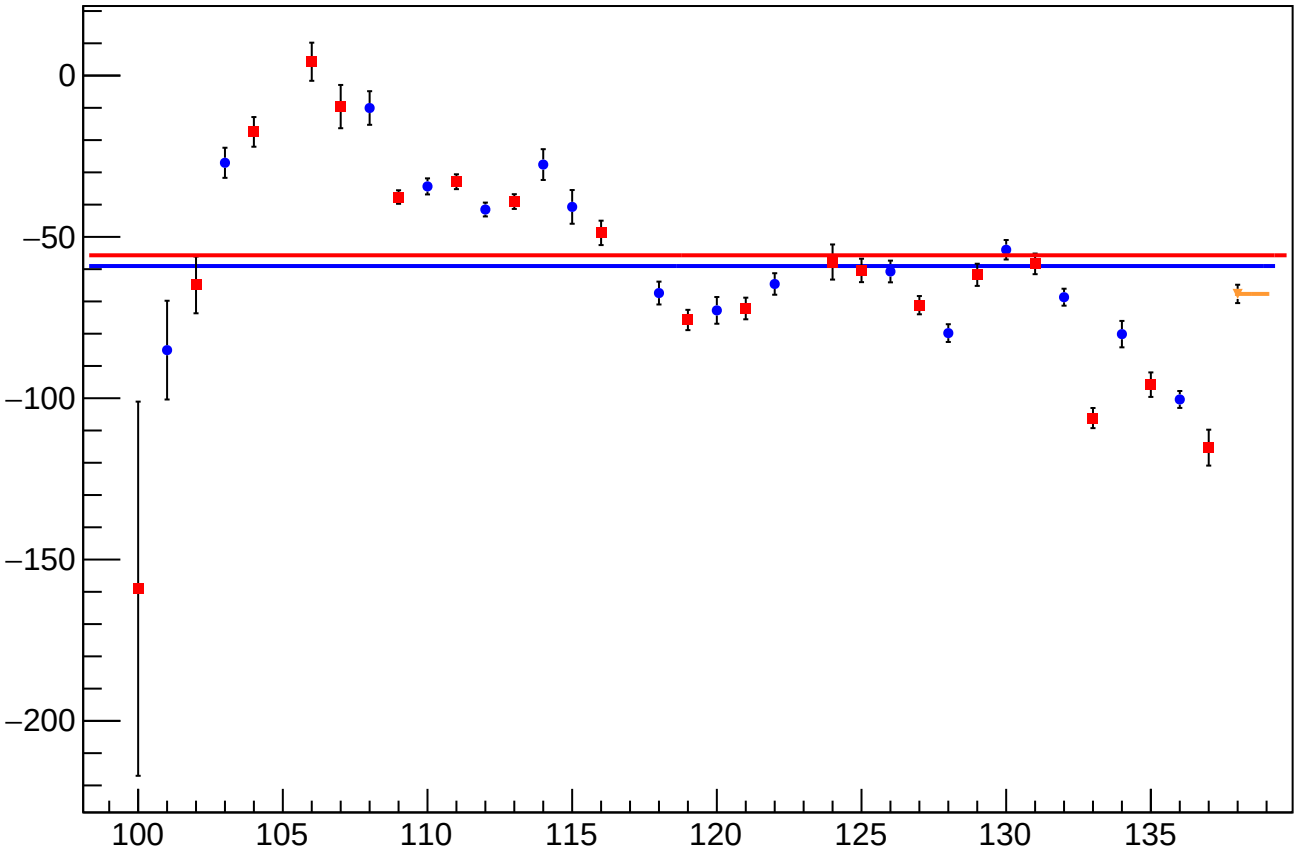
Left: -297.479+/-0.406 χ^2/NDF: 0.0/0

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -223.666+/-0.138 χ^2/NDF:121528.3/15

Out: -223.841+/-0.128 χ^2/NDF:117948.0/19

All: -223.761+/-0.094 χ^2/NDF: 239477.1/35



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -67.670+/-2.844 χ^2/NDF:0.0/0

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

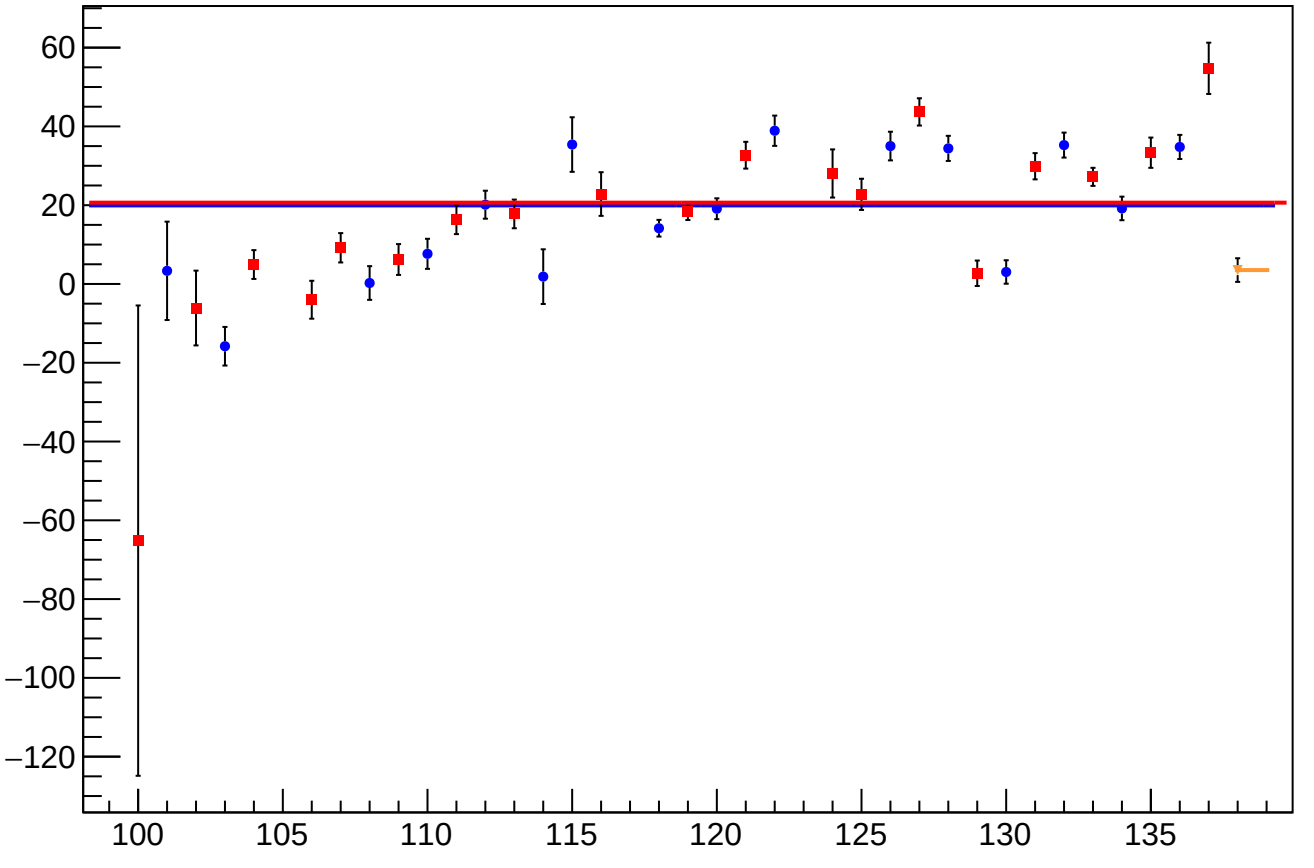
Left: -67.670+/-2.844 χ^2/NDF: 0.0/0

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -59.030+/-0.829 χ^2/NDF:727.3/15

Out: -56.558+/-0.761 χ^2/NDF:1057.6/19

All: -57.688+/-0.561 χ^2/NDF: 1789.7/35



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 3.529+/-3.000 χ^2/NDF:0.0/0

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

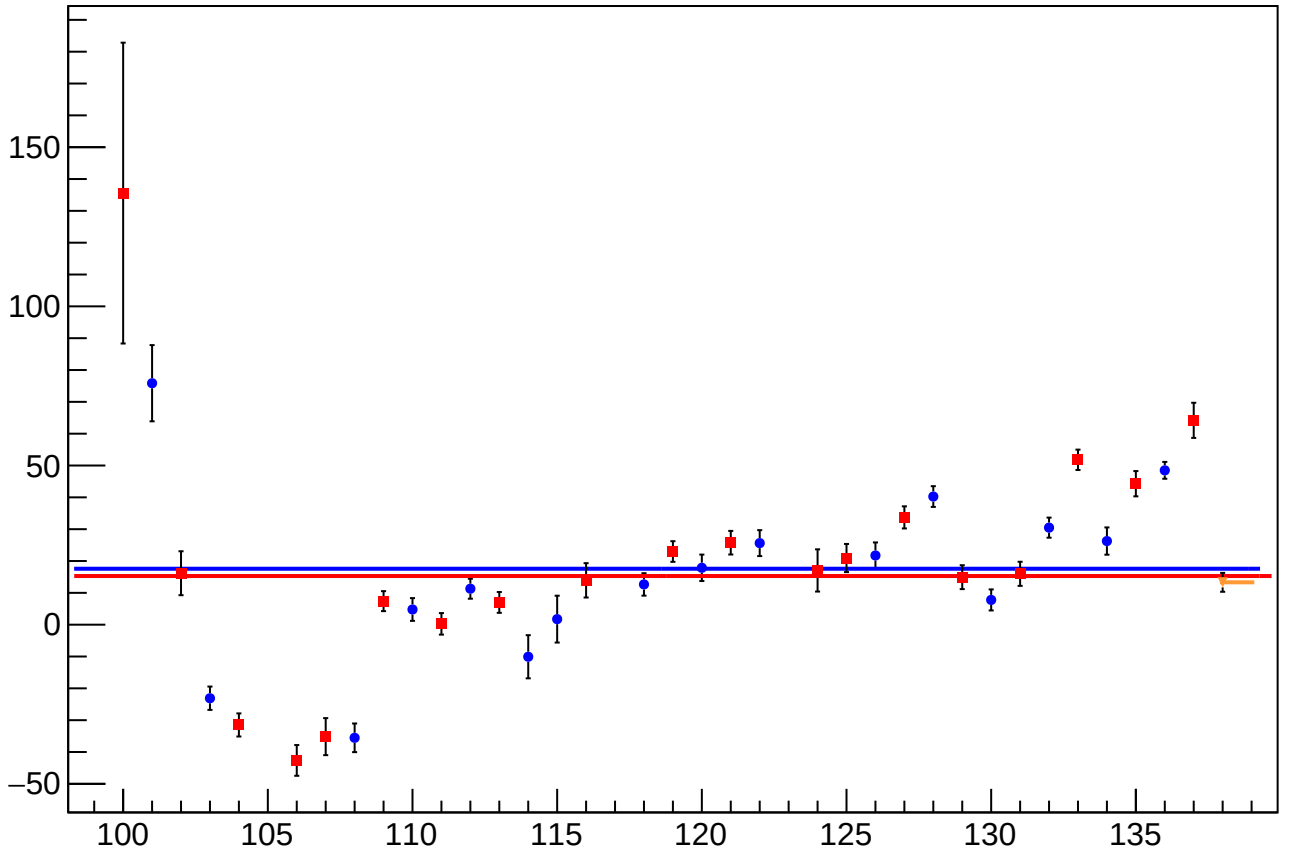
Left: 3.529+/-3.000 χ^2/NDF: 0.0/0

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 19.946+/-0.867 χ^2/NDF:247.2/15

Out: 19.388+/-0.812 χ^2/NDF:254.9/19

All: 19.649+/-0.593 χ^2/NDF: 502.3/35



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 13.305+/-0.969 χ^2/NDF:0.0/0

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

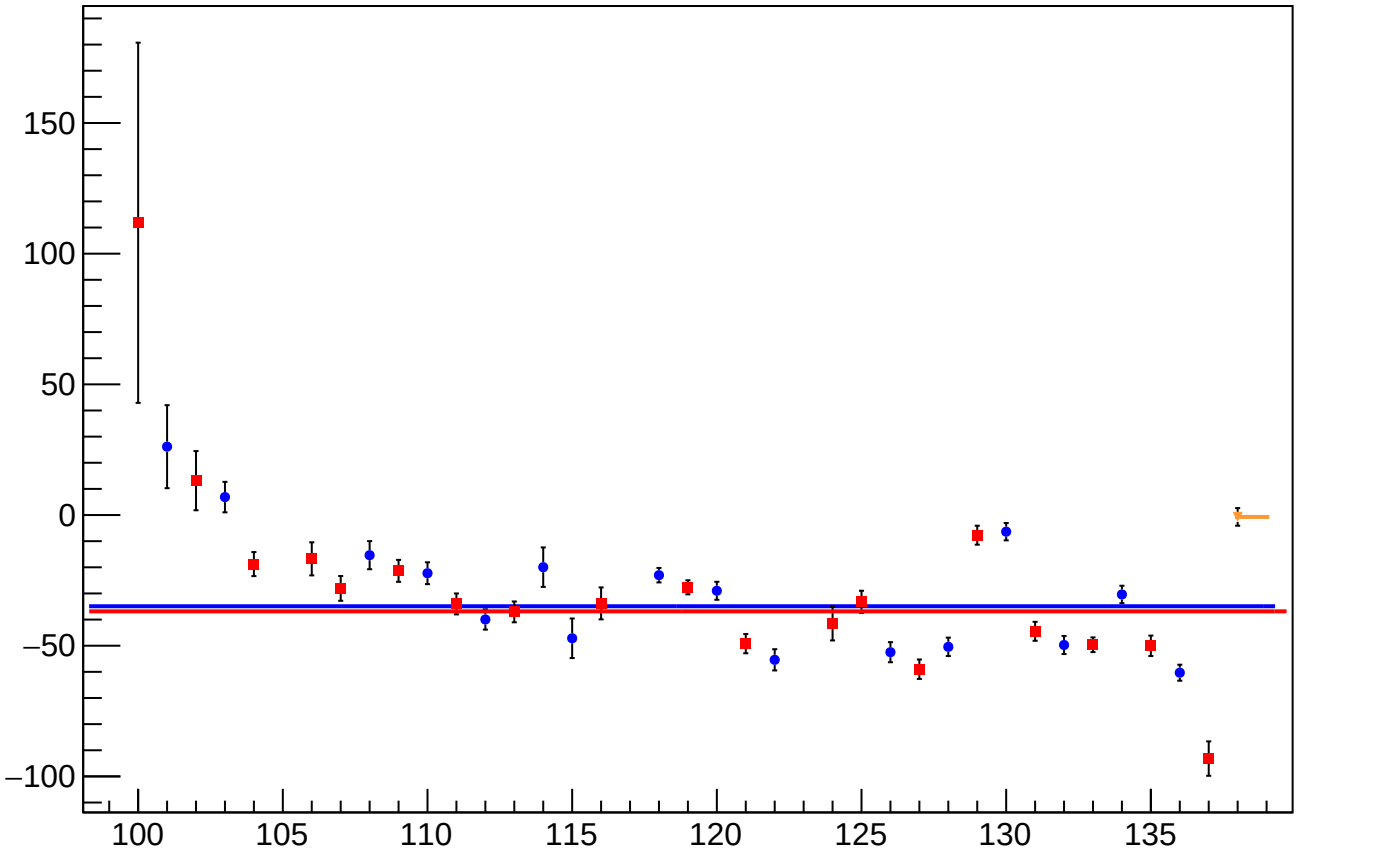
Left: 13.305+/-2.969 χ^2/NDF: 0.0/0

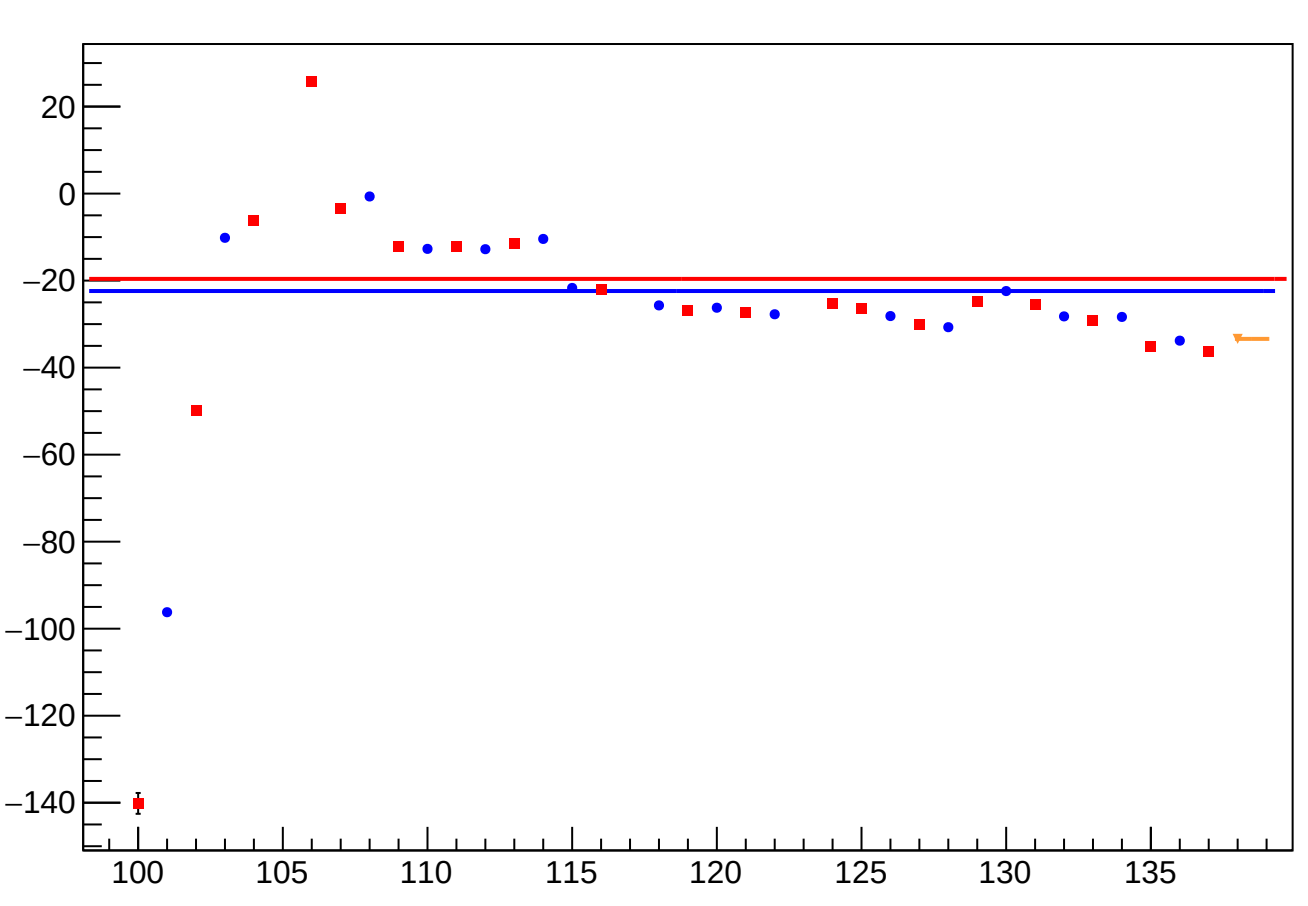
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 17.574+/-0.957 χ^2/NDF:546.2/15

Out: 15.105+/-0.891 χ^2/NDF:730.5/19

All: 16.252+/-0.652 χ^2/NDF: 1280.2/35


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
105
110
115
120
125
130
135
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -0.720+/-3.374 χ²/NDF:0.0/0
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -0.720+/-3.374 χ²/NDF: 0.0/0
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -34.899+/-0.990 χ²/NDF:346.6/15
Out: -34.098+/-0.932 χ²/NDF:407.4/19
All: -34.474+/-0.679 χ²/NDF: 754.3/35



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -33.394+/-0.117 χ^2/NDF:0.0/0

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

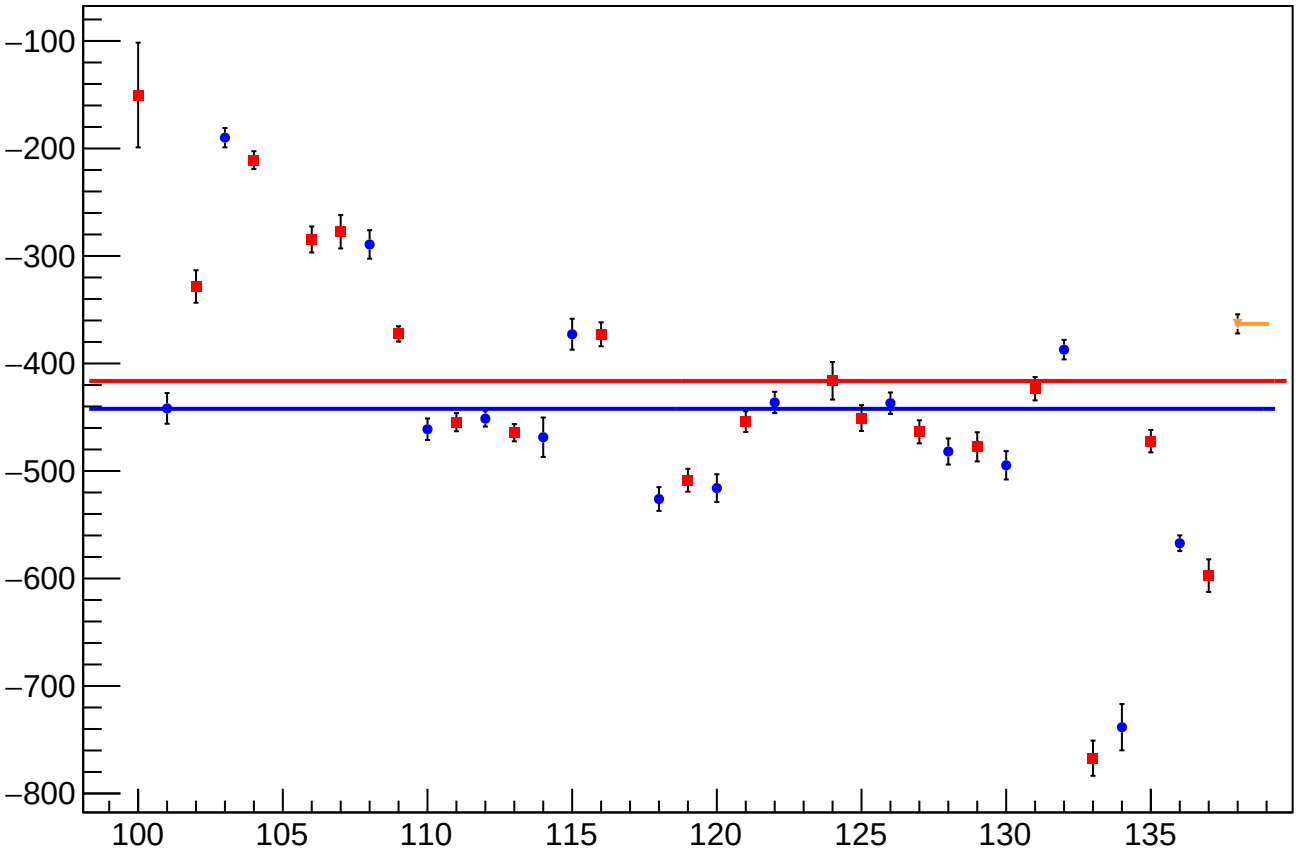
Left: -33.394+/-0.117 χ^2/NDF: 0.0/0

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -22.394+/-0.058 χ^2/NDF:46519.7/15

Out: -22.444+/-0.053 χ^2/NDF:94939.3/19

All: -22.421+/-0.039 χ^2/NDF: 141459.4/35



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -363.167+/-8.930 χ^2/NDF:0.0/0

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

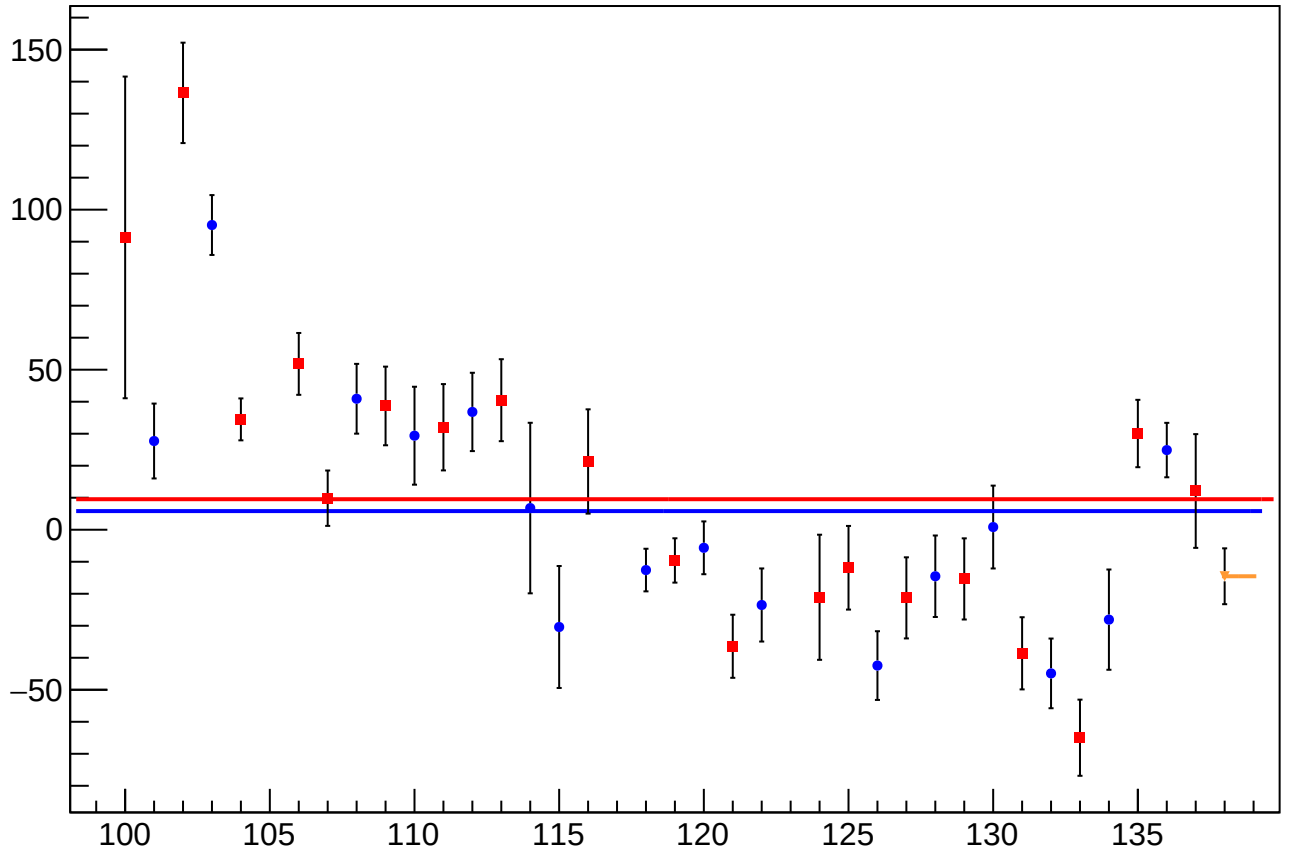
Left: -363.167+/-8.930 χ^2/NDF: 0.0/0

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -442.182+/-2.682 χ^2/NDF:1589.1/15

Out: -412.336+/-2.428 χ^2/NDF:1786.6/19

All: -425.778+/-1.800 χ^2/NDF: 3443.7/35



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: -14.538+/-8.726 χ^2/NDF:0.0/0

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

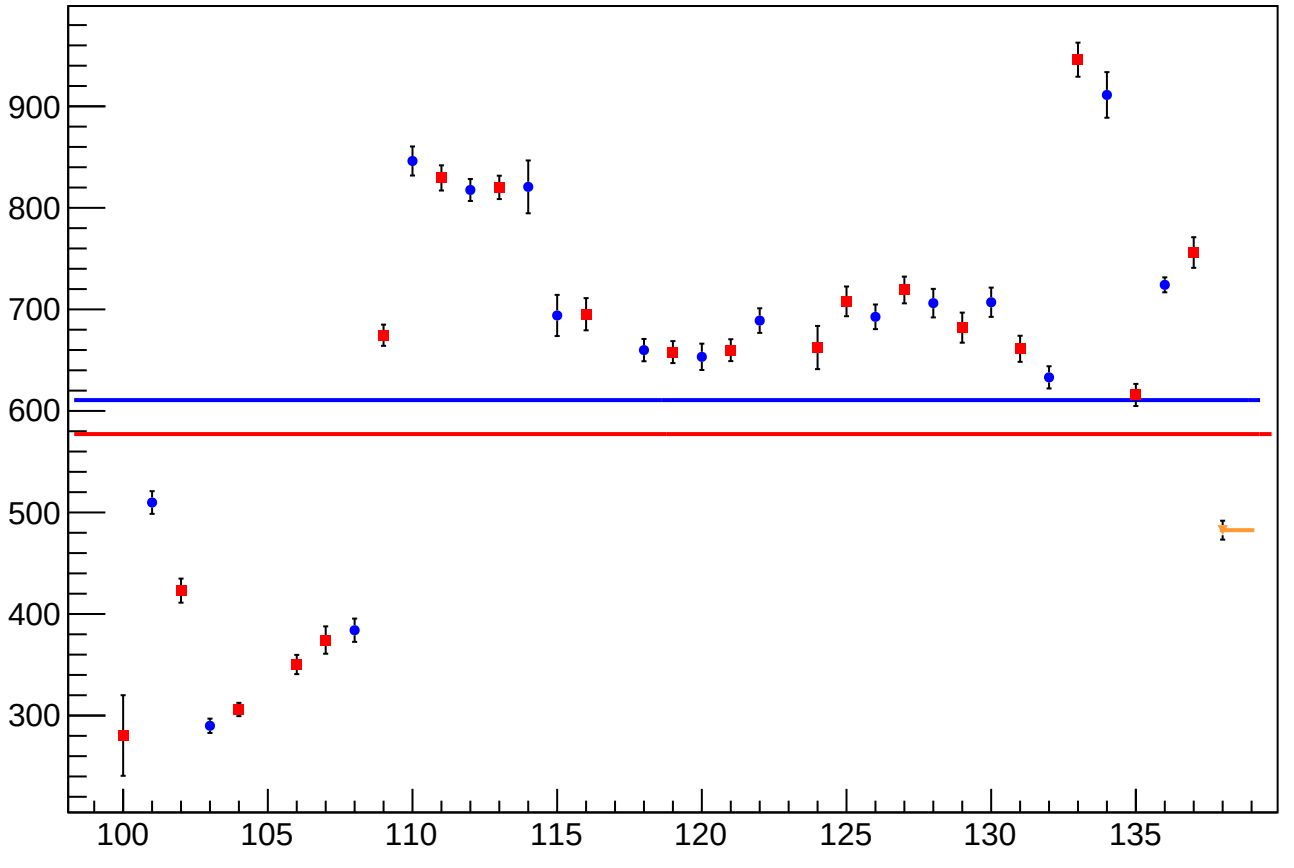
Left: -14.538+/-8.726 χ^2/NDF: 0.0/0

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 5.824+/-2.728 χ^2/NDF:188.1/15

Out: 7.633+/-2.453 χ^2/NDF:229.2/19

All: 6.824+/-1.824 χ^2/NDF: 417.5/35



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 482.574+/-9.316 χ^2/NDF:0.0/0

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

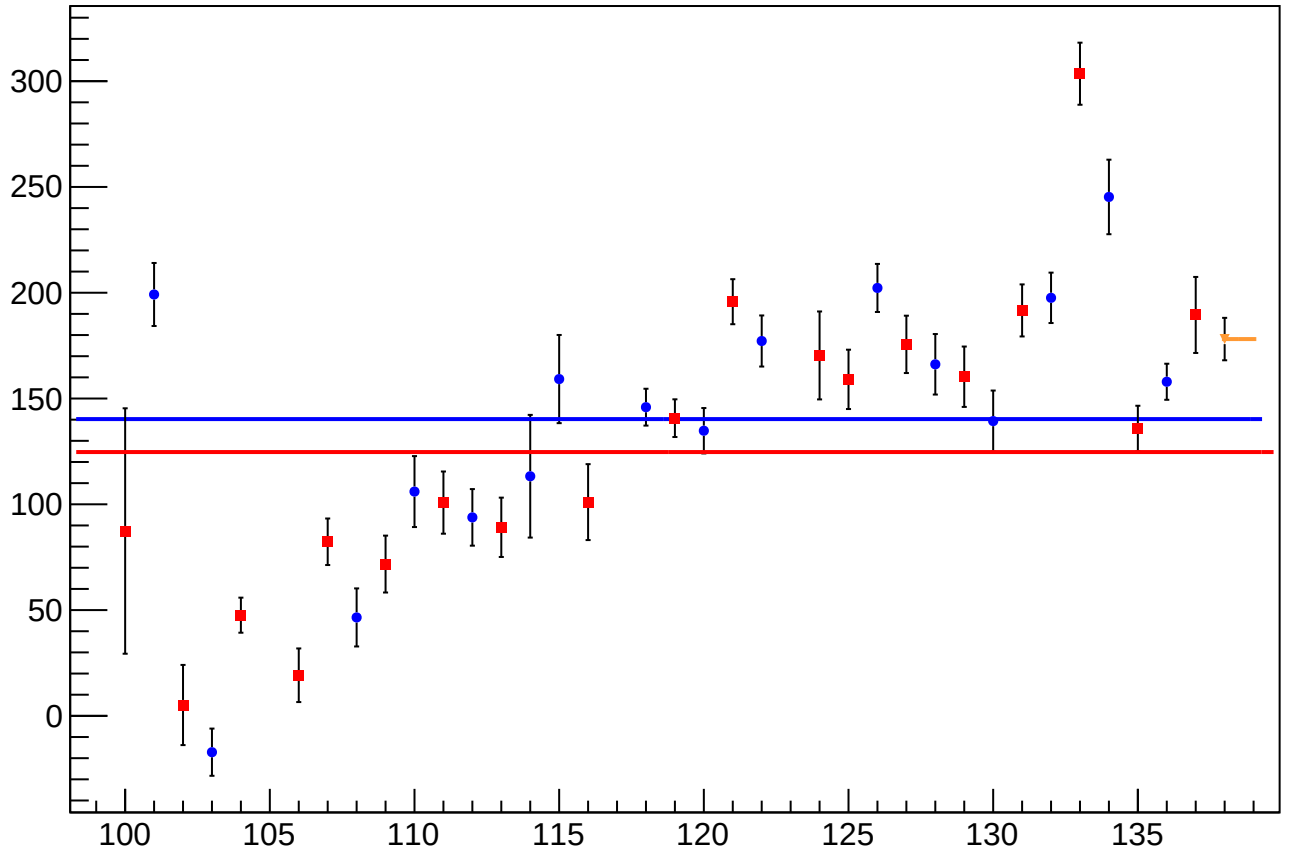
Left: 482.574+/-9.316 χ^2/NDF: 0.0/0

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 610.665+/-2.892 χ^2/NDF:3892.6/15

Out: 569.594+/-2.642 χ^2/NDF:4895.2/19

All: 588.275+/-1.951 χ^2/NDF: 8897.7/35



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 178.100+/-10.027 χ^2/NDF:0.0/0

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

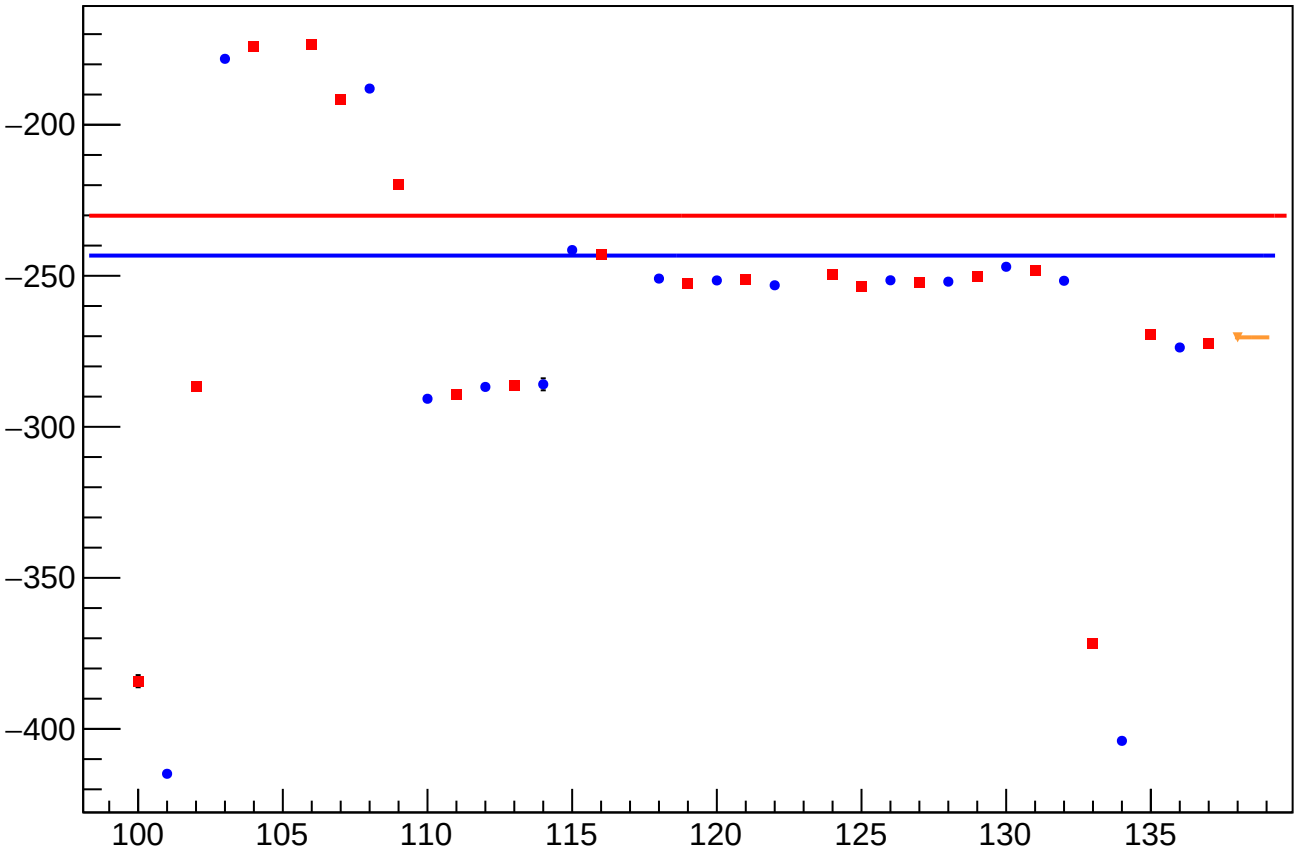
Left: 178.100+/-10.027 χ^2/NDF: 0.0/0

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 140.278+/-3.151 χ^2/NDF:385.4/15

Out: 129.027+/-2.855 χ^2/NDF:534.6/19

All: 134.100+/-2.116 χ^2/NDF: 927.0/35



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -270.379+/-0.375 χ^2/NDF:0.0/0

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

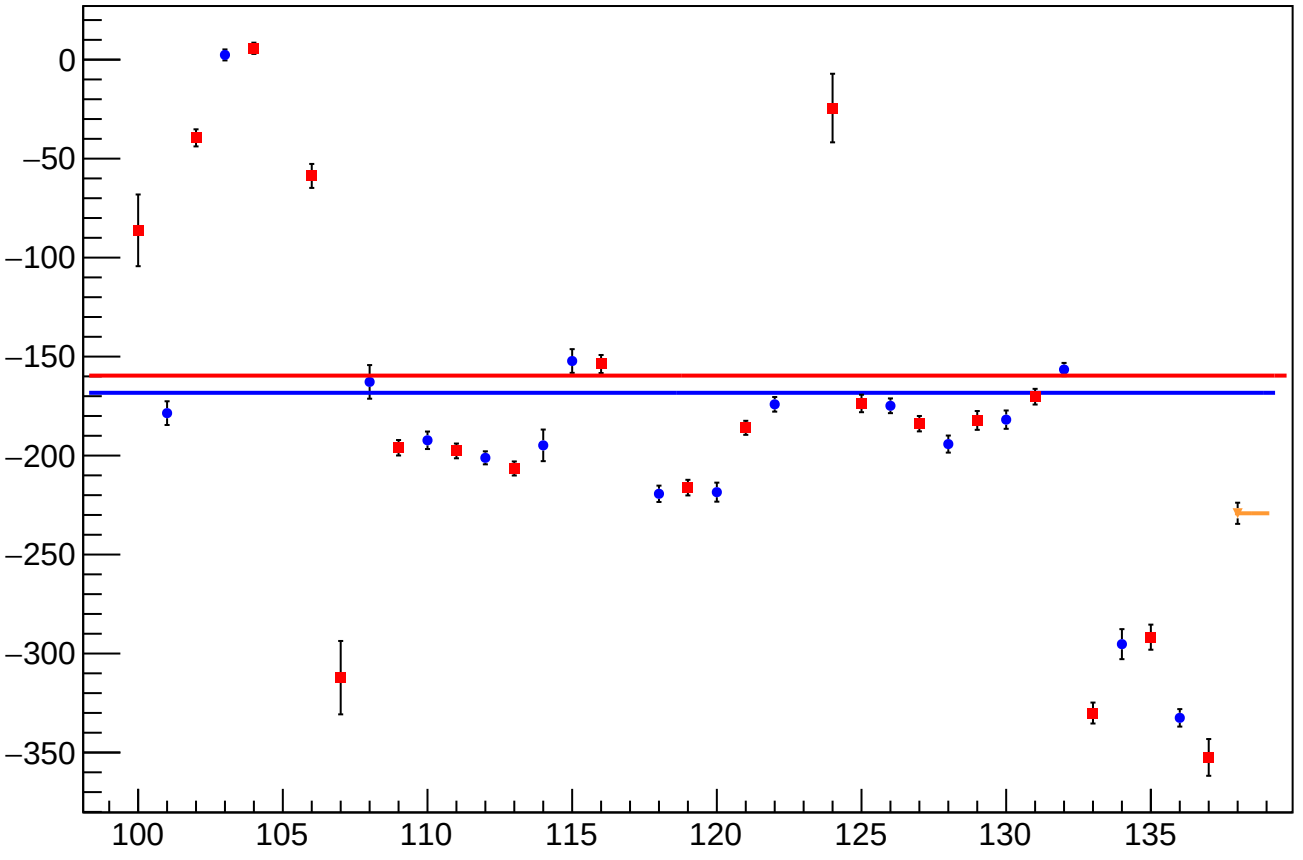
Left: -270.379+/-0.375 χ^2/NDF: 0.0/0

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -243.308+/-0.163 χ^2/NDF:173487.9/15

Out: -236.130+/-0.145 χ^2/NDF:112242.8/19

All: -239.315+/-0.108 χ^2/NDF: 286815.9/35



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -229.156+/-5.345 χ^2/NDF:0.0/0

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

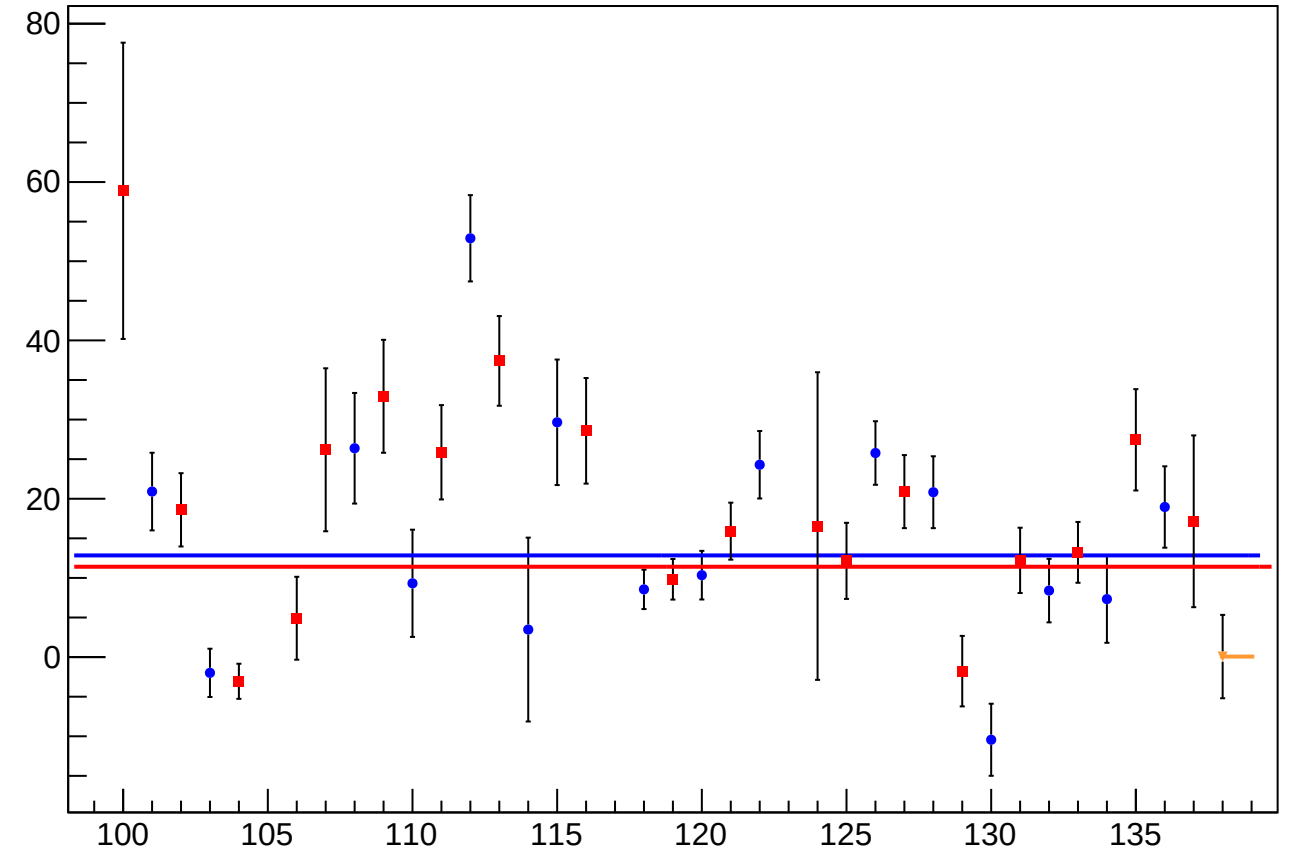
Left: -229.156+/-5.345 χ^2/NDF: 0.0/0

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -168.291+/-1.076 χ^2/NDF:5907.6/15

Out: -162.150+/-1.023 χ^2/NDF:7361.0/19

All: -165.066+/-0.741 χ^2/NDF: 13285.7/35



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 0.066+/-5.264 χ^2/NDF:0.0/0

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.066+/-5.264 χ^2/NDF: 0.0/0

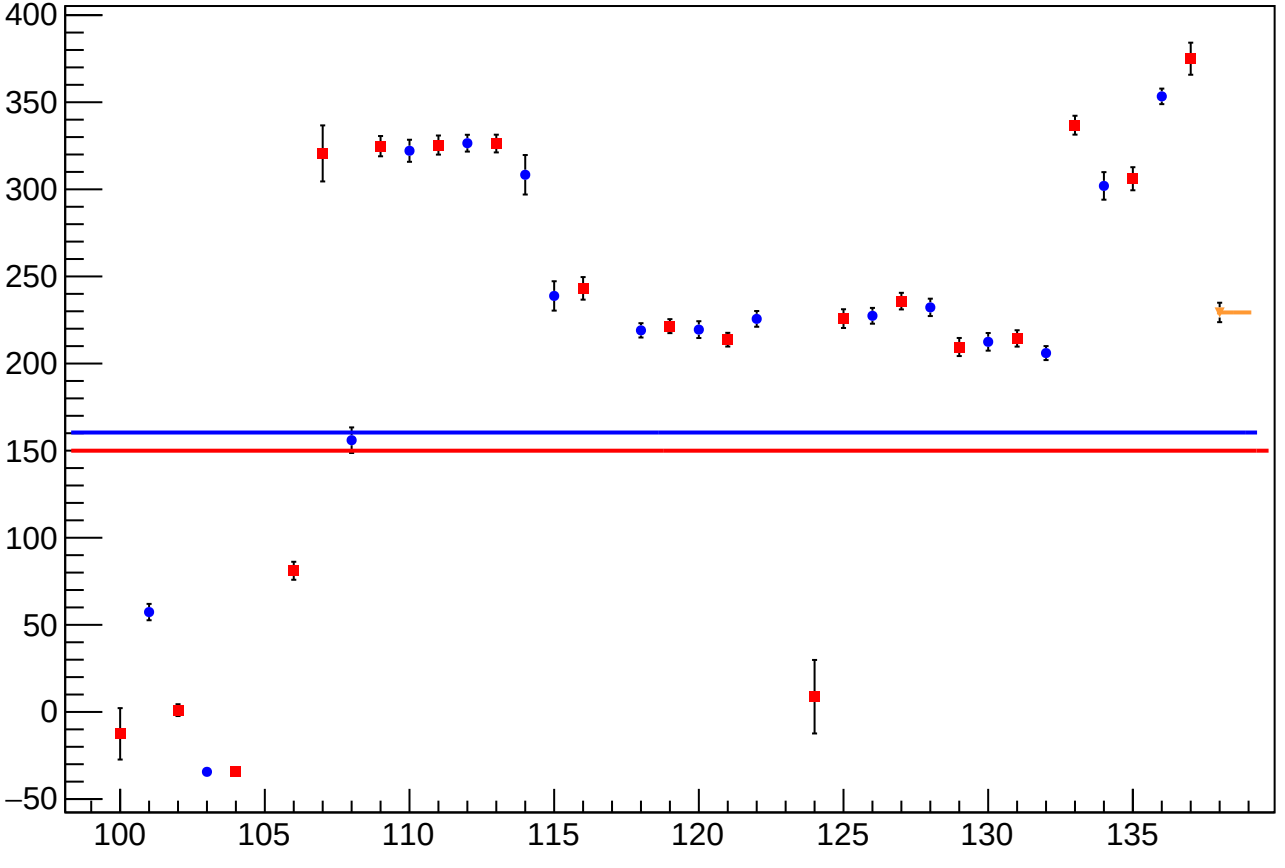
Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 12.842+/-1.076 χ^2/NDF:143.7/15

Out: 10.991+/-1.016 χ^2/NDF:124.0/19

All: 11.863+/-0.739 χ^2/NDF: 269.3/35

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 229.334+/-5.577 χ^2/NDF:0.0/0

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

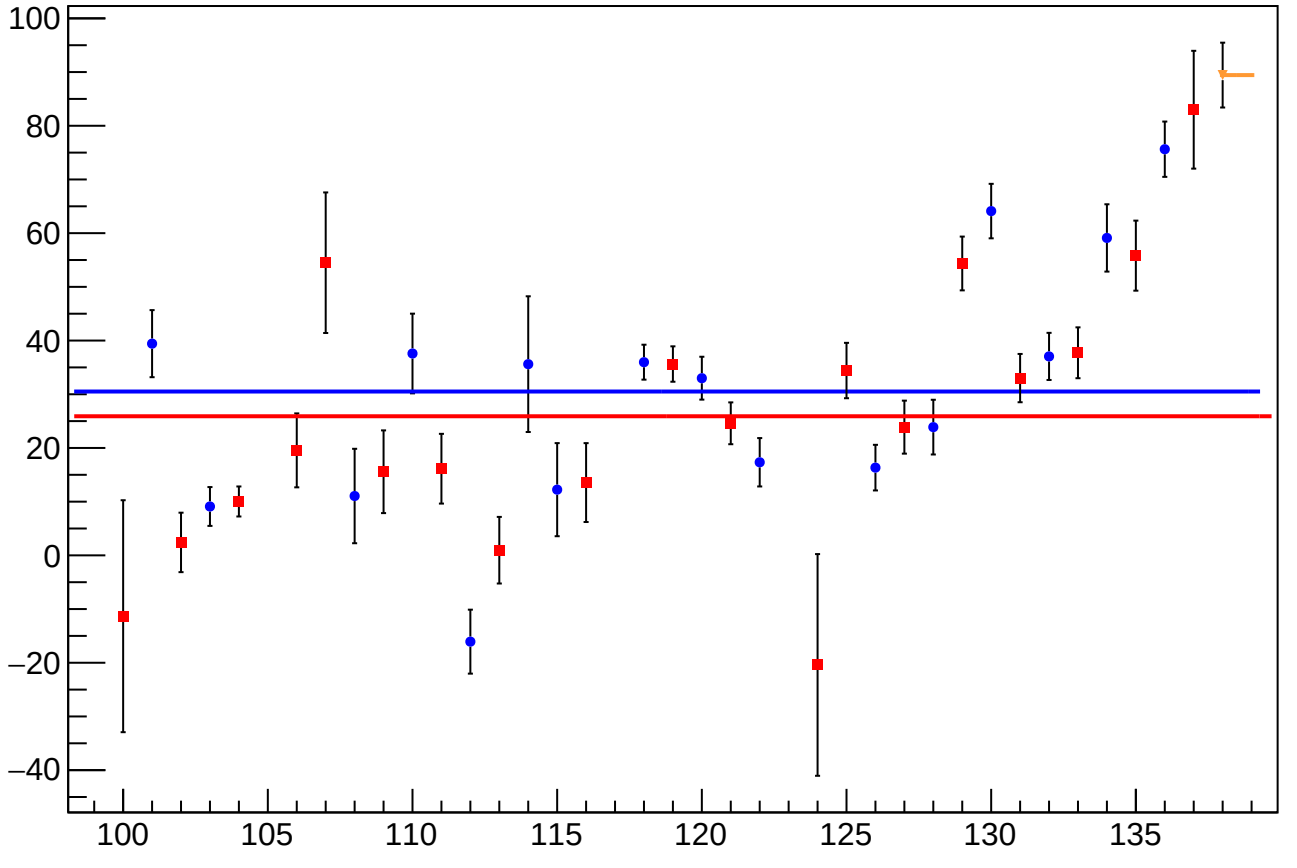
Left: 229.334+/-5.577 χ^2/NDF: 0.0/0

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 160.407+/-1.139 χ^2/NDF:13949.8/15

Out: 152.981+/-1.086 χ^2/NDF:16460.0/19

All: 156.516+/-0.786 χ^2/NDF: 30432.1/35



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 89.436+/-6.037 χ^2/NDF:0.0/0

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

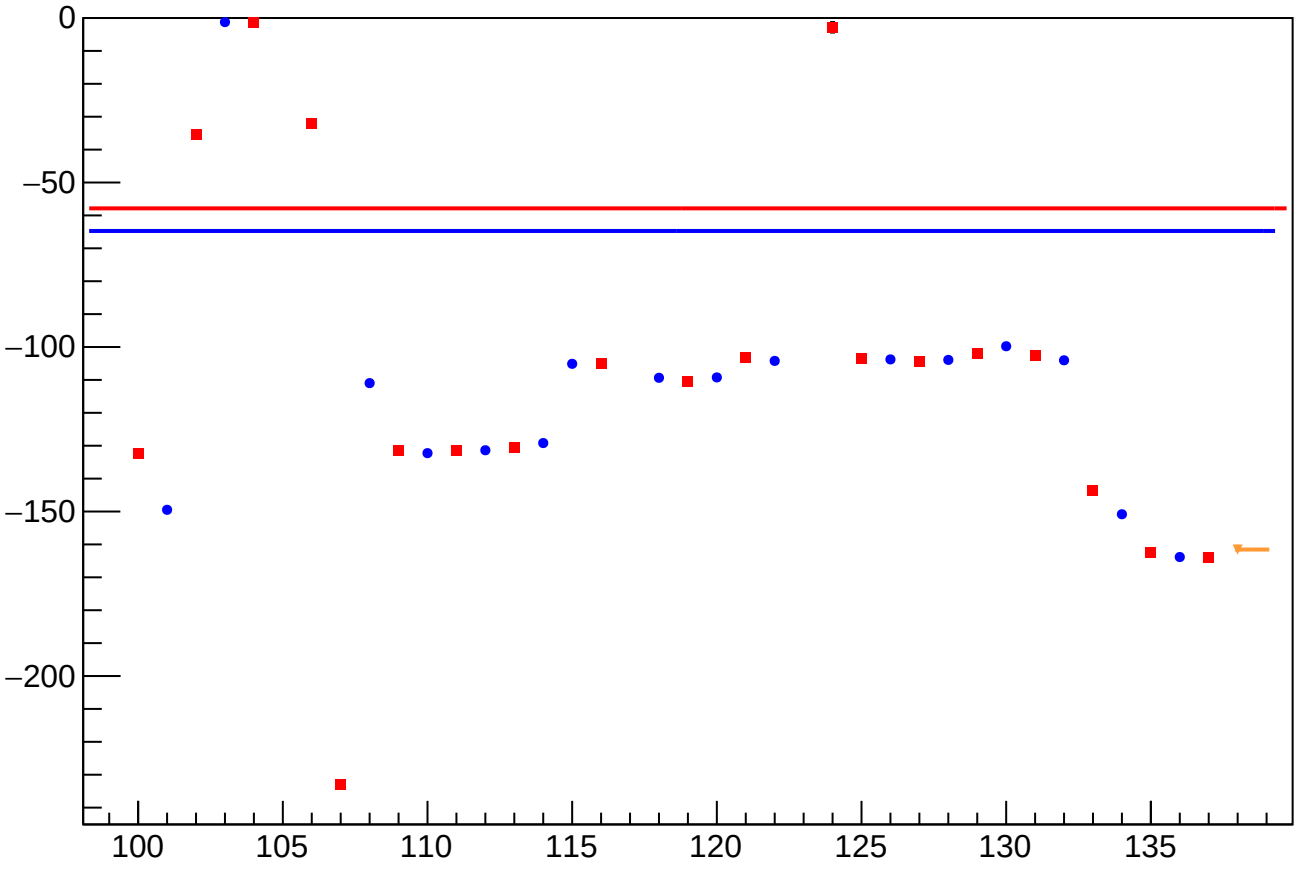
Left: 89.436+/-6.037 χ^2/NDF: 0.0/0

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 30.510+/-1.255 χ^2/NDF:276.9/15

Out: 28.369+/-1.189 χ^2/NDF:294.2/19

All: 29.382+/-0.863 χ^2/NDF: 572.7/35



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -161.556+/-0.224 χ^2/NDF:0.0/0

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

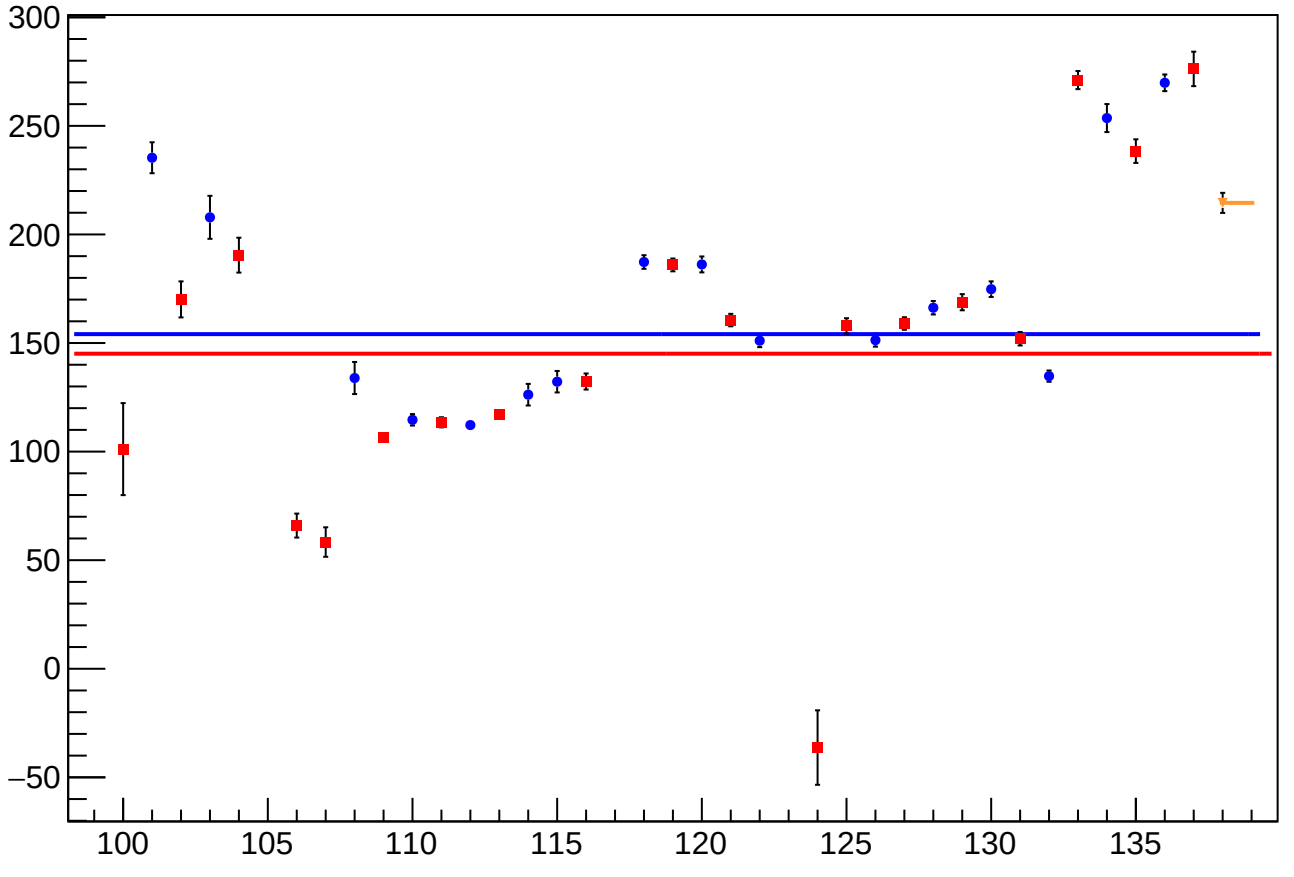
Left: -161.556+/-0.224 χ^2/NDF: 0.0/0

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -64.726+/-0.064 χ^2/NDF:1044441.7/15

Out: -65.262+/-0.060 χ^2/NDF:1074659.1/19

All: -65.011+/-0.044 χ^2/NDF: 2119138.3/35



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 214.538+/-4.626 χ^2/NDF:0.0/0

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

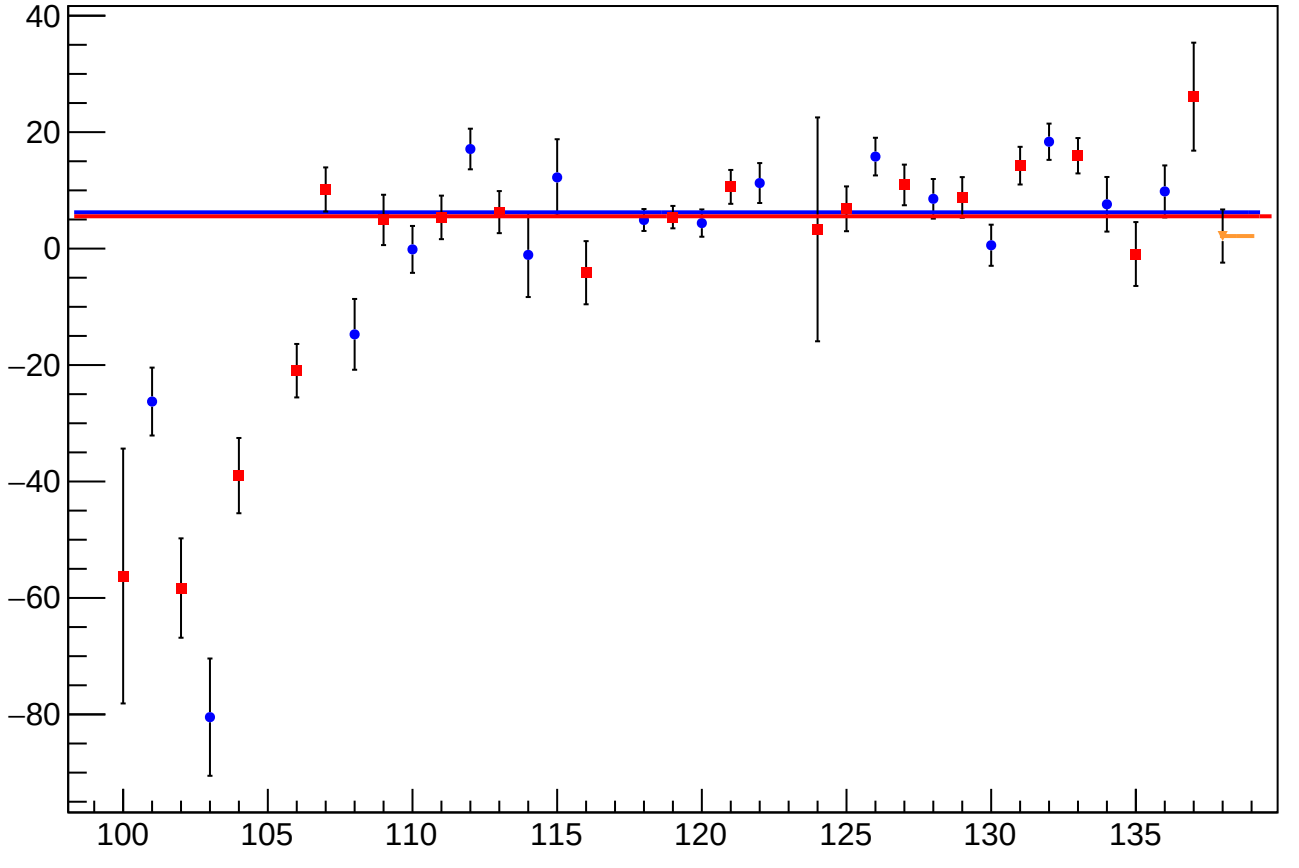
Left: 214.538+/-4.626 χ^2/NDF: 0.0/0

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 154.096+/-0.869 χ^2/NDF:2281.1/15

Out: 147.230+/-0.813 χ^2/NDF:3176.8/19

All: 150.435+/-0.594 χ^2/NDF: 5491.3/35



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: 2.154+/-4.565 χ^2/NDF:0.0/0

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

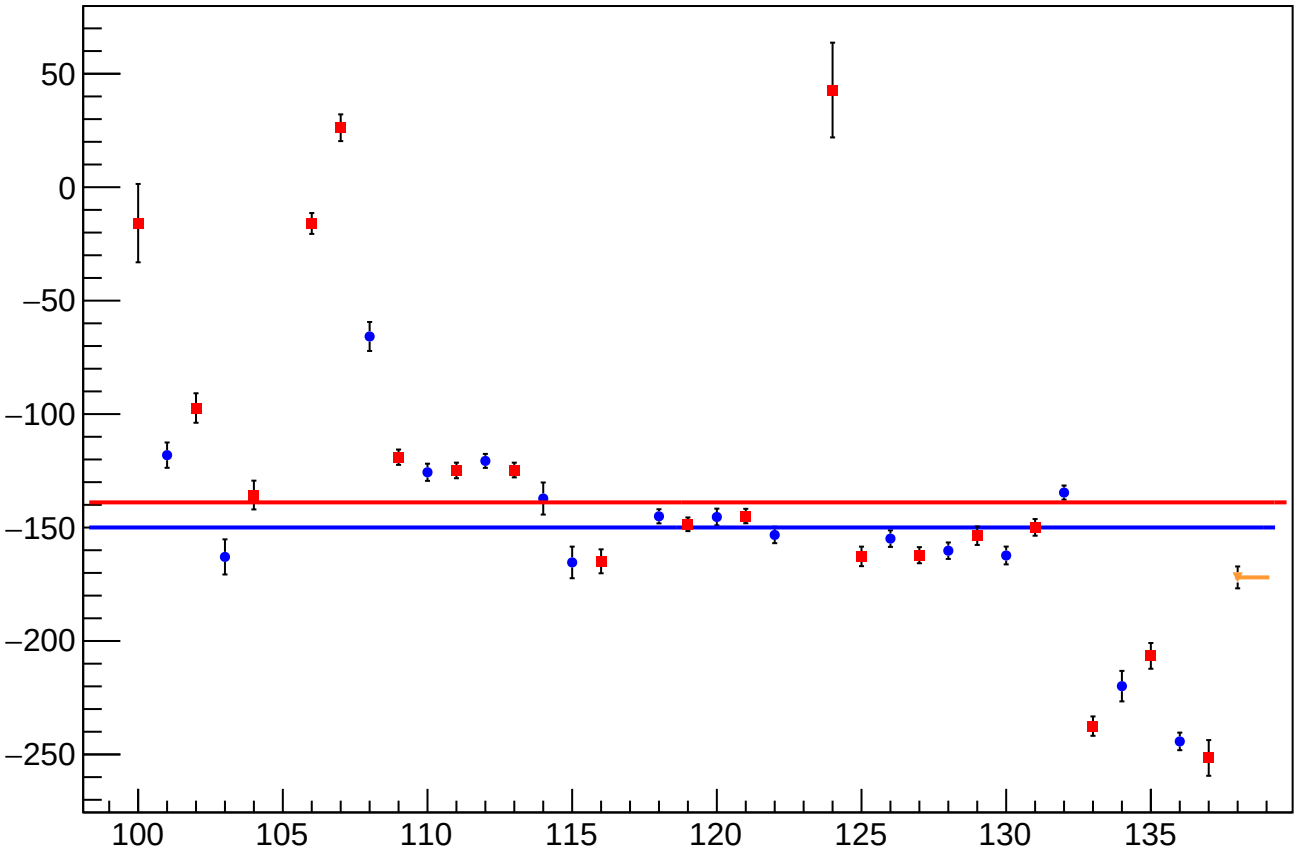
Left: 2.154+/-4.565 χ^2/NDF: 0.0/0

Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 6.229+/-0.890 χ^2/NDF:162.1/15

Out: 5.424+/-0.873 χ^2/NDF:181.7/19

All: 5.819+/-0.623 χ^2/NDF: 344.1/35



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -171.976+/-4.826 χ^2/NDF:0.0/0

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

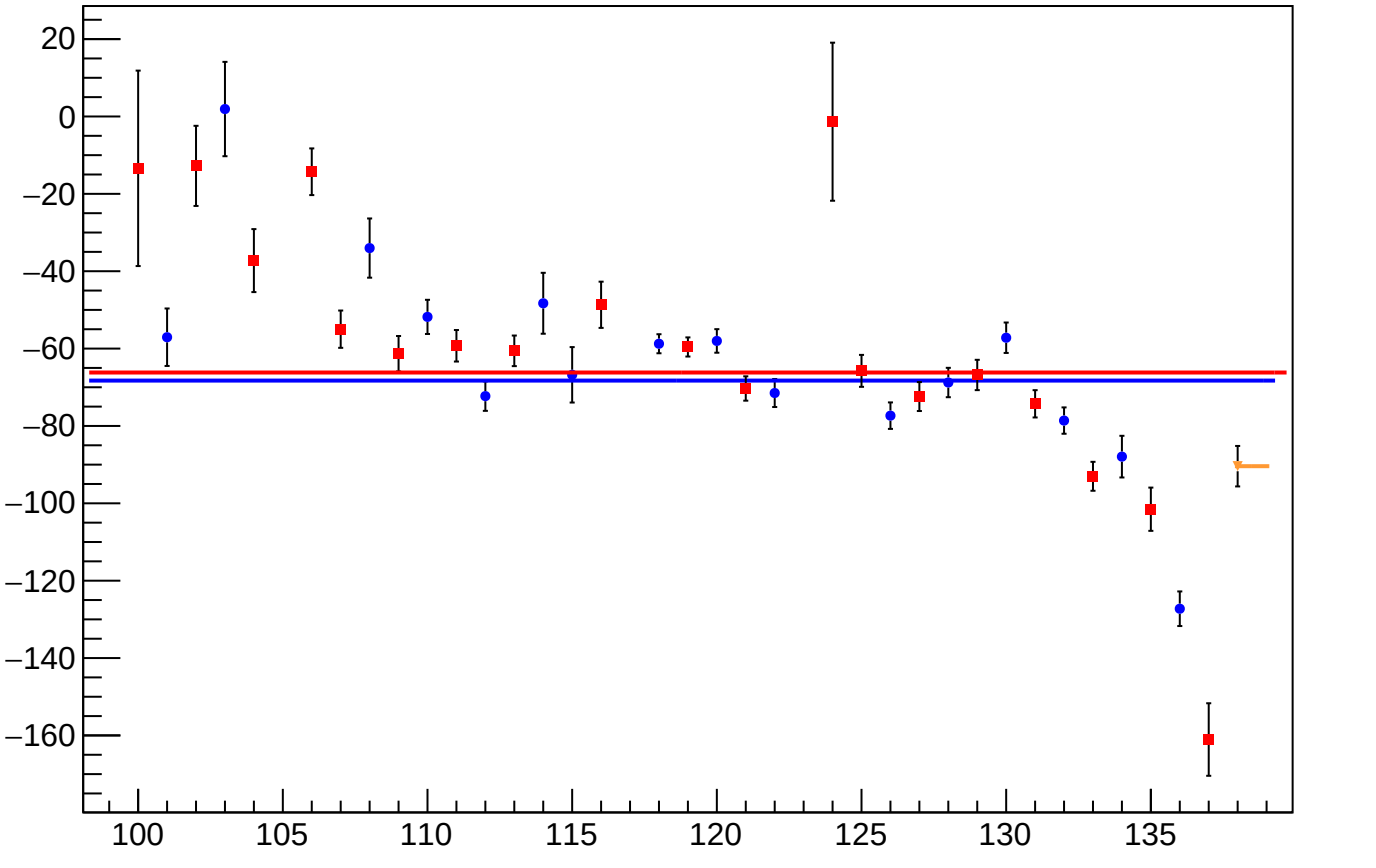
Left: -171.976+/-4.826 χ^2/NDF: 0.0/0

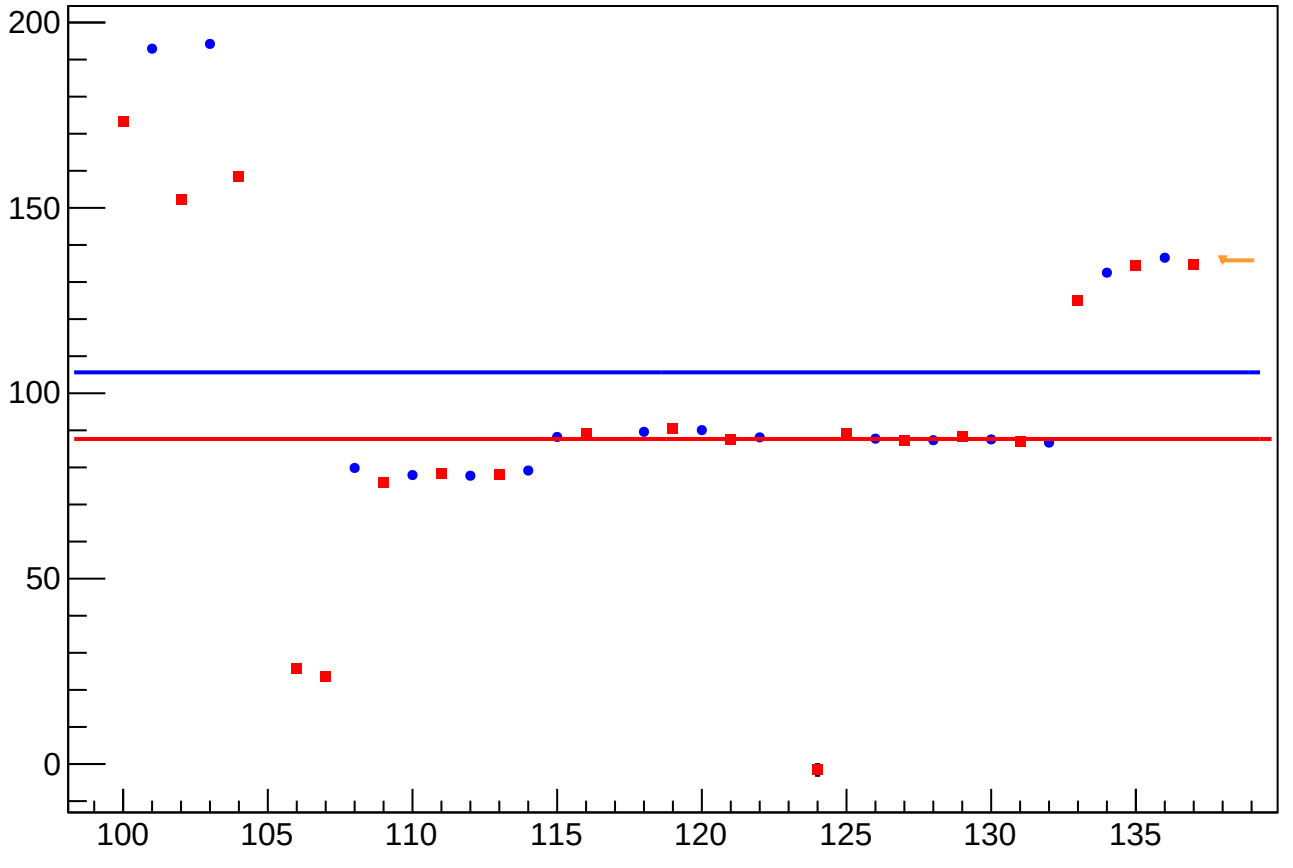
Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -149.970+/-1.026 χ^2/NDF:1099.5/15

Out: -140.256+/-0.973 χ^2/NDF:2795.9/19

All: -144.858+/-0.706 χ^2/NDF: 3942.6/35


reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
105
110
115
120
125
130
135
Right In: -68.272+/-1.033 χ²/NDF: 315.4/15
Left Out: -90.401+/-5.232 χ²/NDF:0.0/0
Right Out: -66.186+/-1.024 χ²/NDF: 358.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -90.401+/-5.232 χ²/NDF: 0.0/0
Right: -67.219+/-0.727 χ²/NDF: 675.8/34
In: -68.272+/-1.033 χ²/NDF:315.4/15
Out: -67.079+/-1.005 χ²/NDF:379.0/19
All: -67.659+/-0.720 χ²/NDF: 695.1/35



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 135.852+/-0.194 χ^2/NDF:0.0/0

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

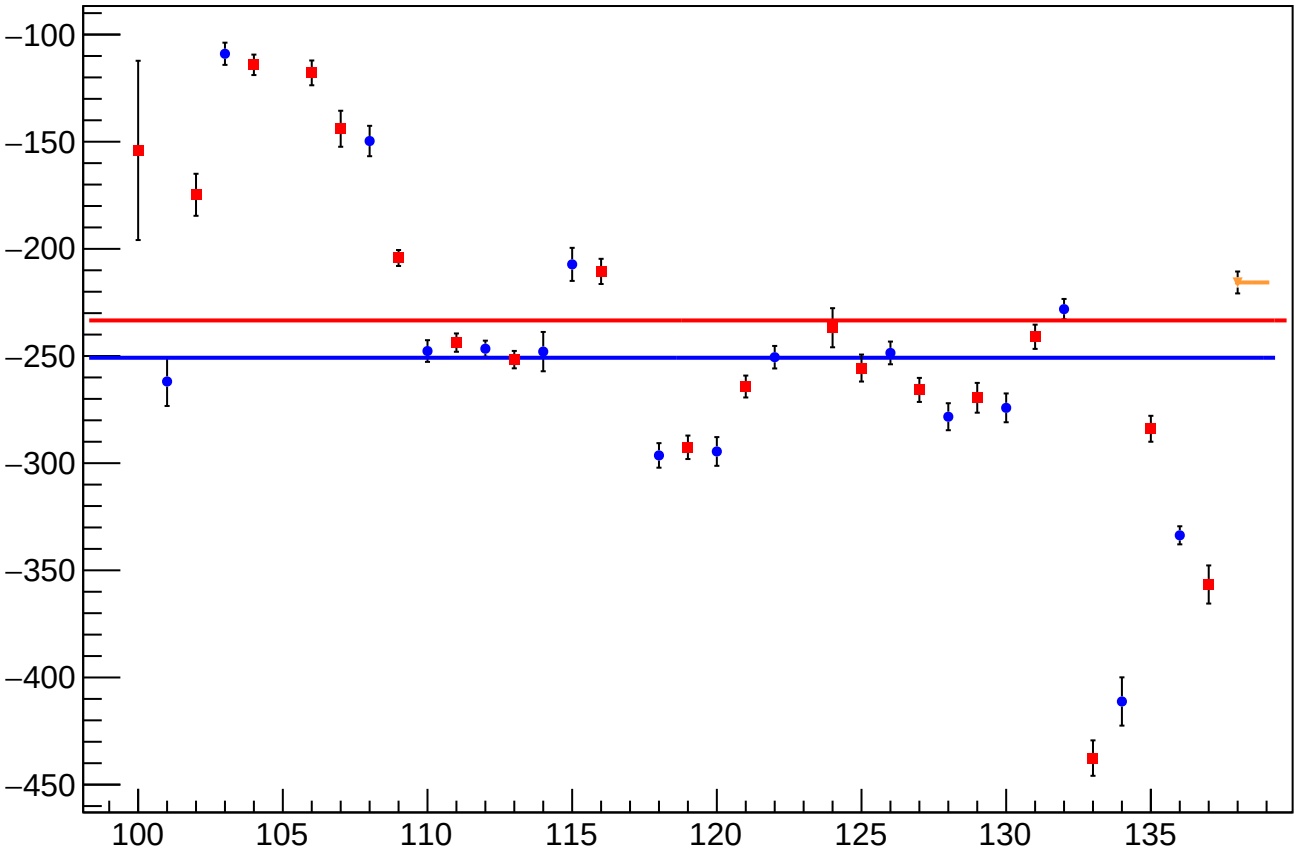
Left: 135.852+/-0.194 χ^2/NDF: 0.0/0

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 105.640+/-0.071 χ^2/NDF:239614.1/15

Out: 92.628+/-0.062 χ^2/NDF:429891.4/19

All: 98.289+/-0.047 χ^2/NDF: 688567.6/35



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -215.675+/-5.111 χ^2/NDF:0.0/0

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

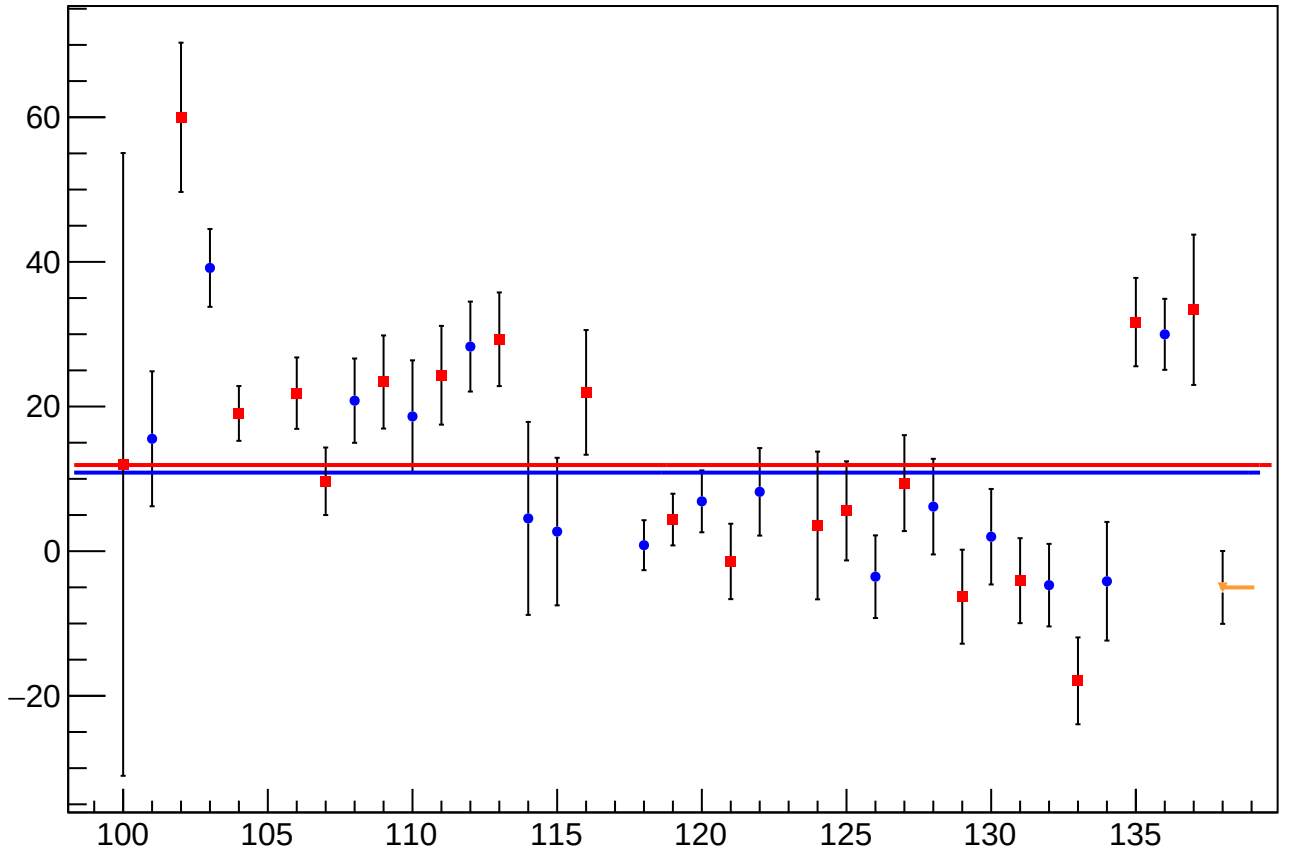
Left: -215.675+/-5.111 χ^2/NDF: 0.0/0

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -250.812+/-1.438 χ^2/NDF:1735.7/15

Out: -232.267+/-1.290 χ^2/NDF:2389.8/19

All: -240.536+/-0.960 χ^2/NDF: 4217.6/35



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: -5.012+/-5.036 χ^2/NDF:0.0/0

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

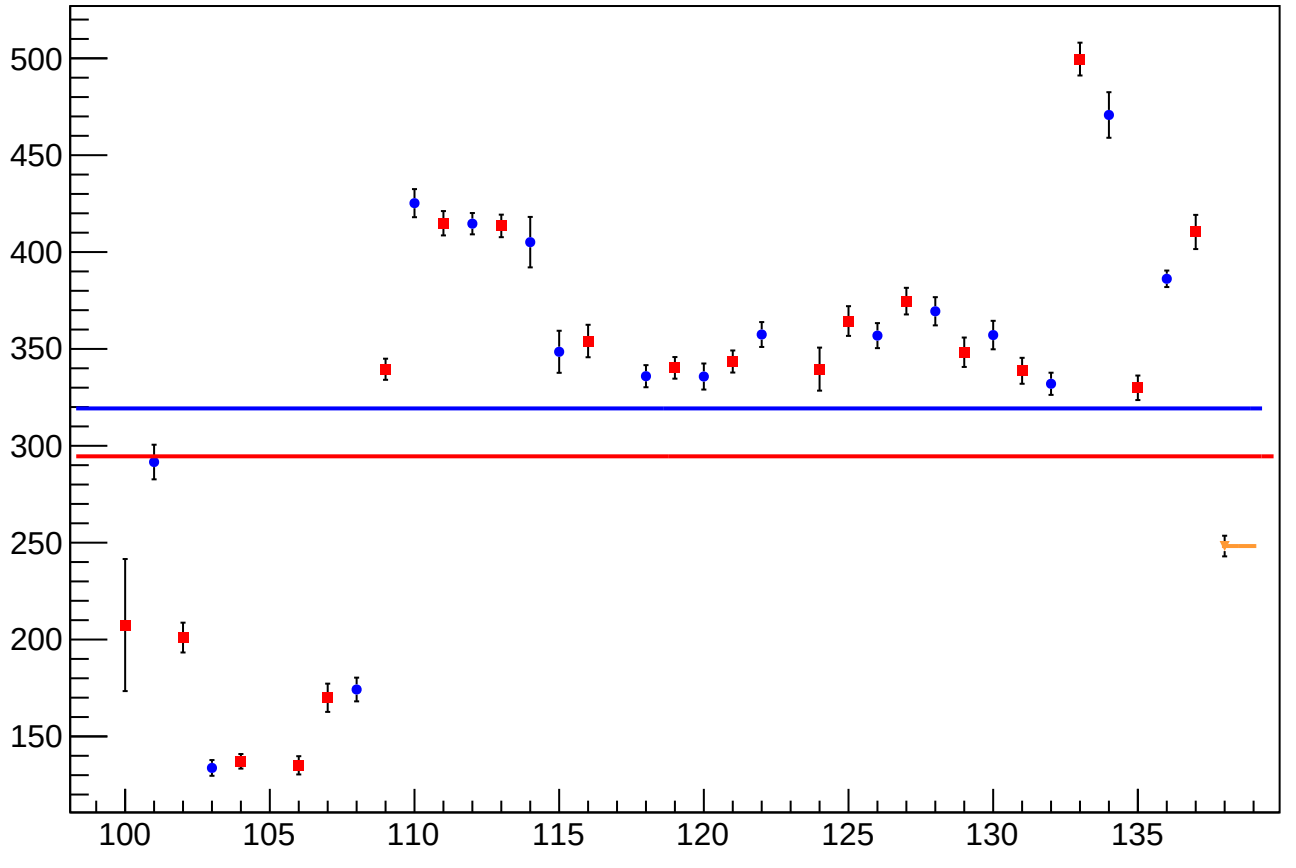
Left: -5.012+/-5.036 χ^2/NDF: 0.0/0

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 10.864+/-1.471 χ^2/NDF:84.7/15

Out: 10.749+/-1.320 χ^2/NDF:122.4/19

All: 10.801+/-0.982 χ^2/NDF: 207.1/35



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 248.258+/-5.333 χ^2/NDF:0.0/0

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 248.258+/-5.333 χ^2/NDF: 0.0/0

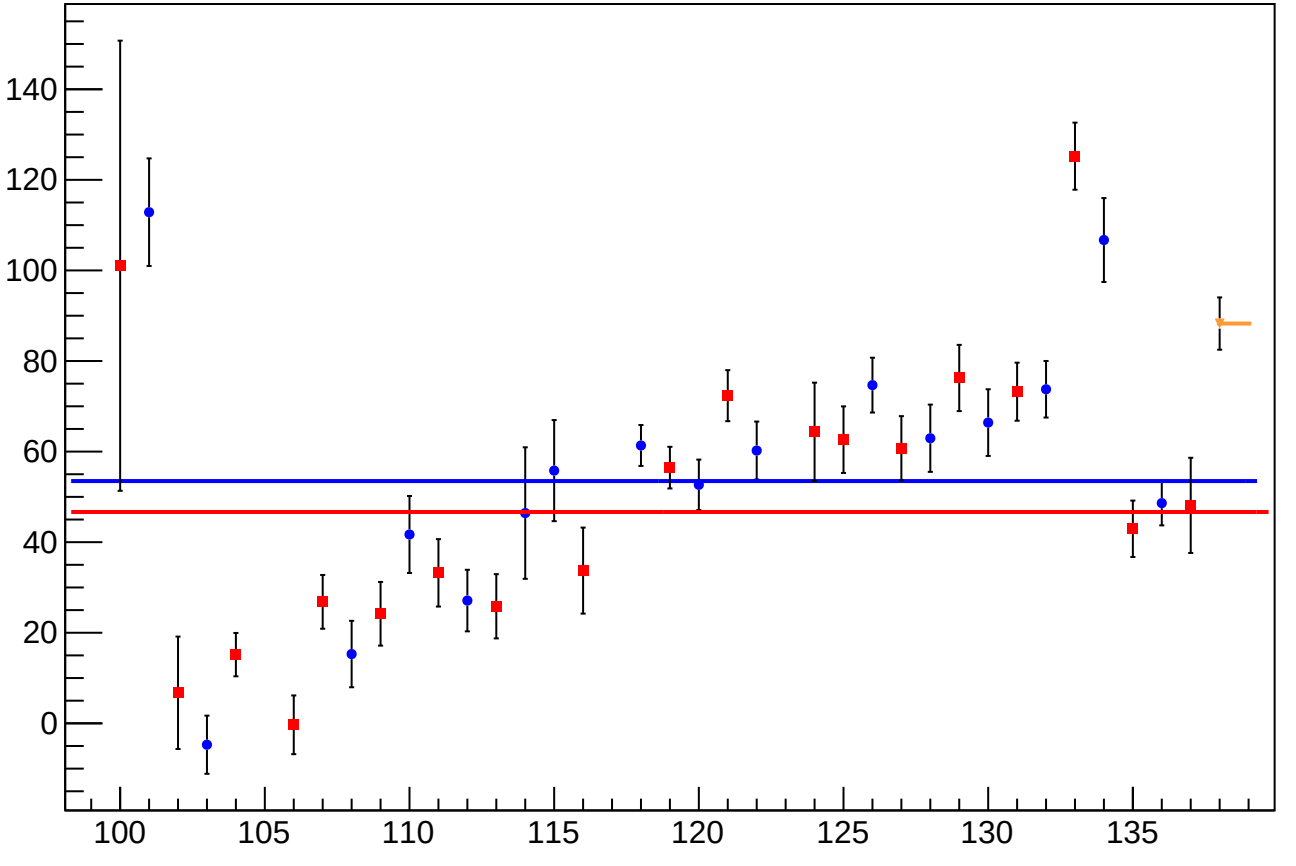
Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 319.293+/-1.586 χ^2/NDF:3792.9/15

Out: 291.249+/-1.427 χ^2/NDF:5573.2/19

All: 303.798+/-1.061 χ^2/NDF: 9538.9/35

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 88.267+/-5.774 χ^2/NDF:0.0/0

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

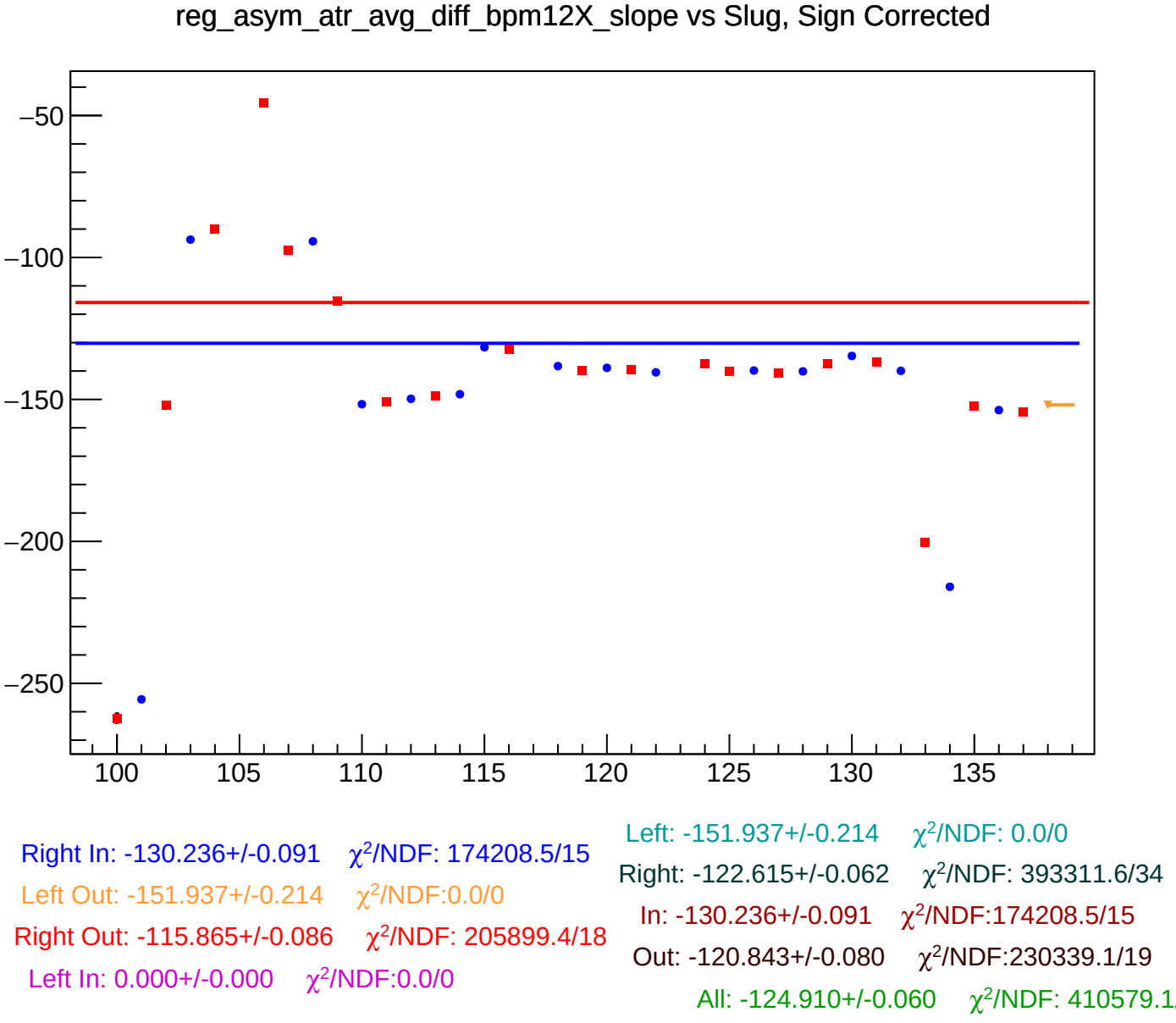
Left: 88.267+/-5.774 χ^2/NDF: 0.0/0

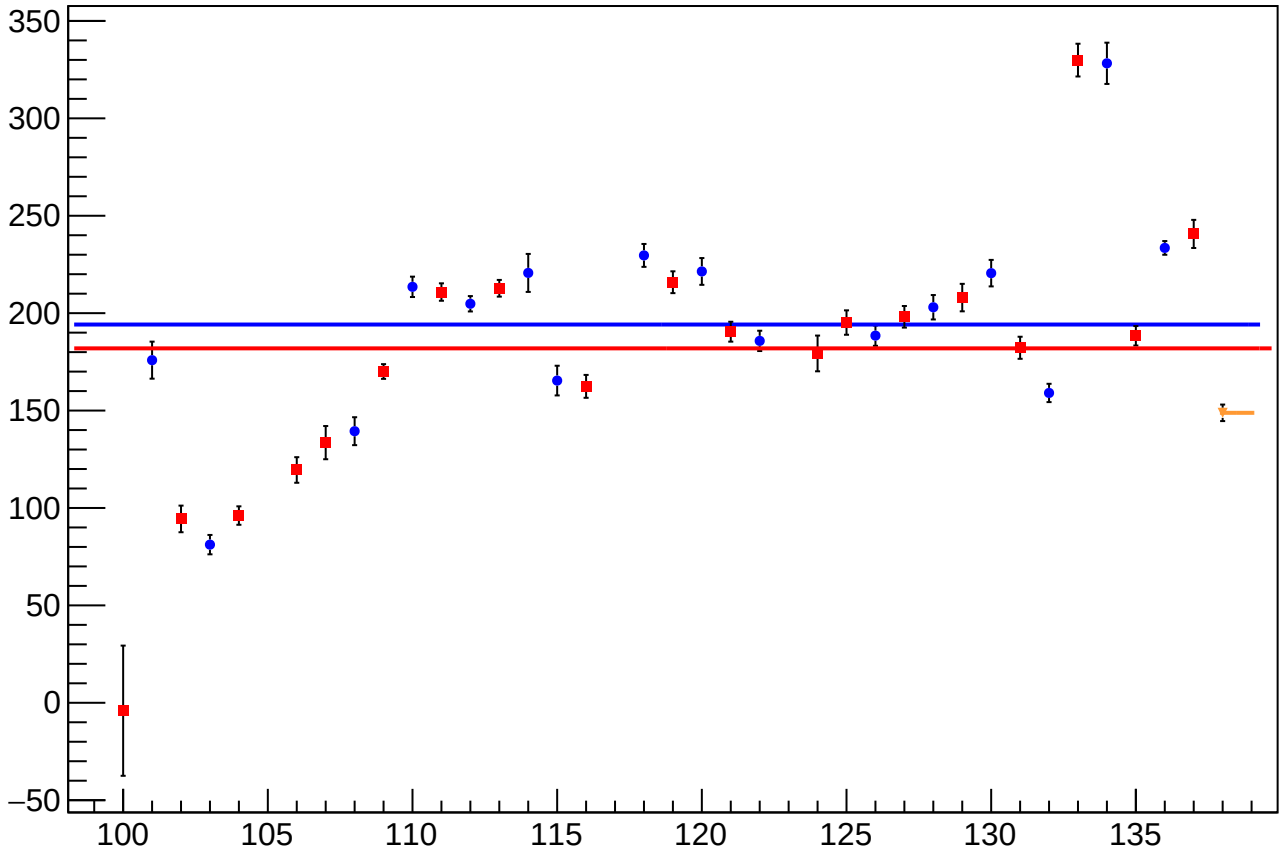
Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 53.494+/-1.699 χ^2/NDF:217.2/15

Out: 49.610+/-1.536 χ^2/NDF:373.9/19

All: 51.357+/-1.139 χ^2/NDF: 594.0/35


reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
105
110
115
120
125
130
135
Right In: -130.236+/-0.091 χ²/NDF: 174208.5/15
Left Out: -151.937+/-0.214 χ²/NDF:0.0/0
Right Out: -115.865+/-0.086 χ²/NDF: 205899.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -151.937+/-0.214 χ²/NDF: 0.0/0
Right: -122.615+/-0.062 χ²/NDF: 393311.6/34
In: -130.236+/-0.091 χ²/NDF:174208.5/15
Out: -120.843+/-0.080 χ²/NDF:230339.1/19
All: -124.910+/-0.060 χ²/NDF: 410579.1/35



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 148.841+/-4.241 χ^2/NDF:0.0/0

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

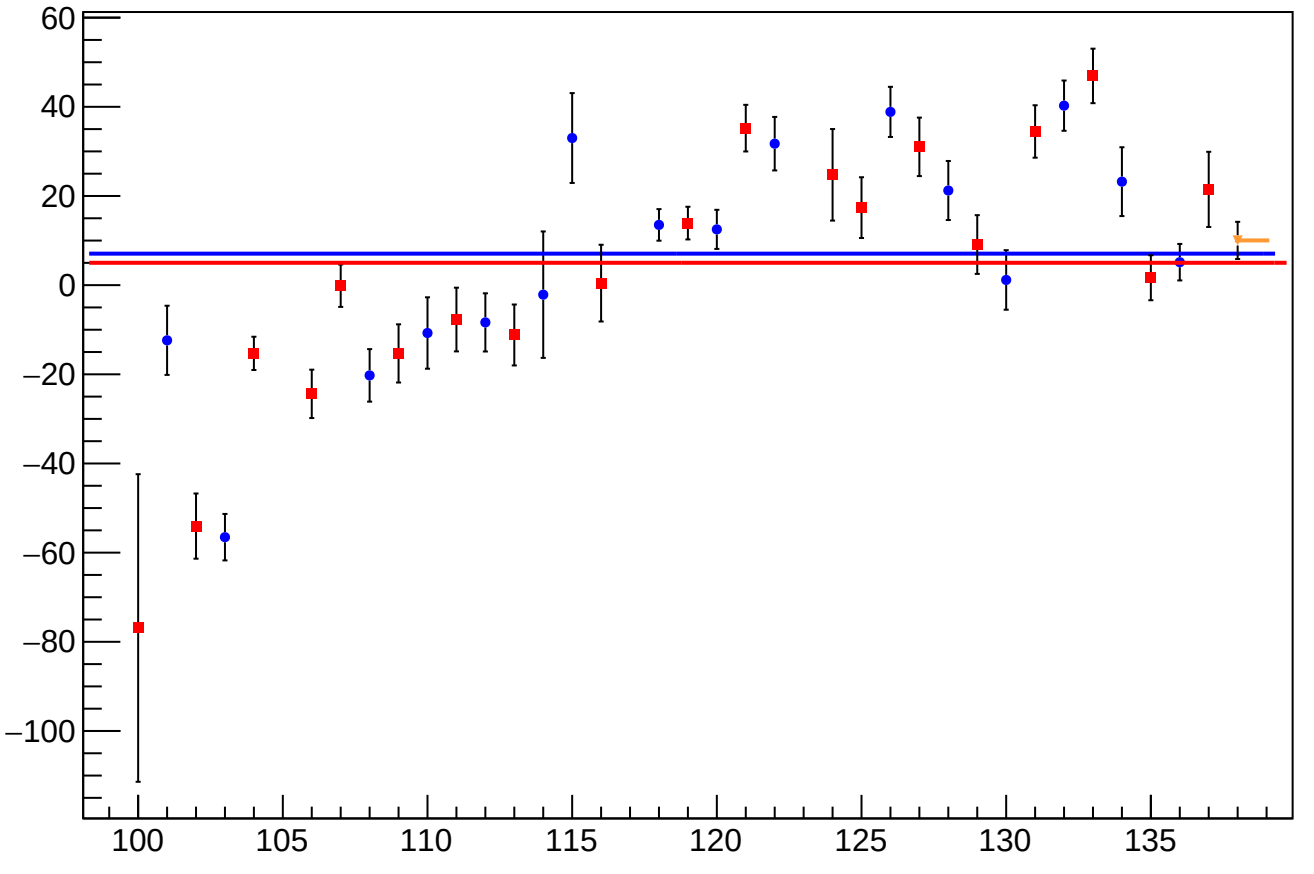
Left: 148.841+/-4.241 χ^2/NDF: 0.0/0

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 194.164+/-1.407 χ^2/NDF:1035.2/15

Out: 178.998+/-1.262 χ^2/NDF:1260.3/19

All: 185.762+/-0.939 χ^2/NDF: 2359.9/35



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 10.034+/-4.169 χ^2/NDF:0.0/0

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

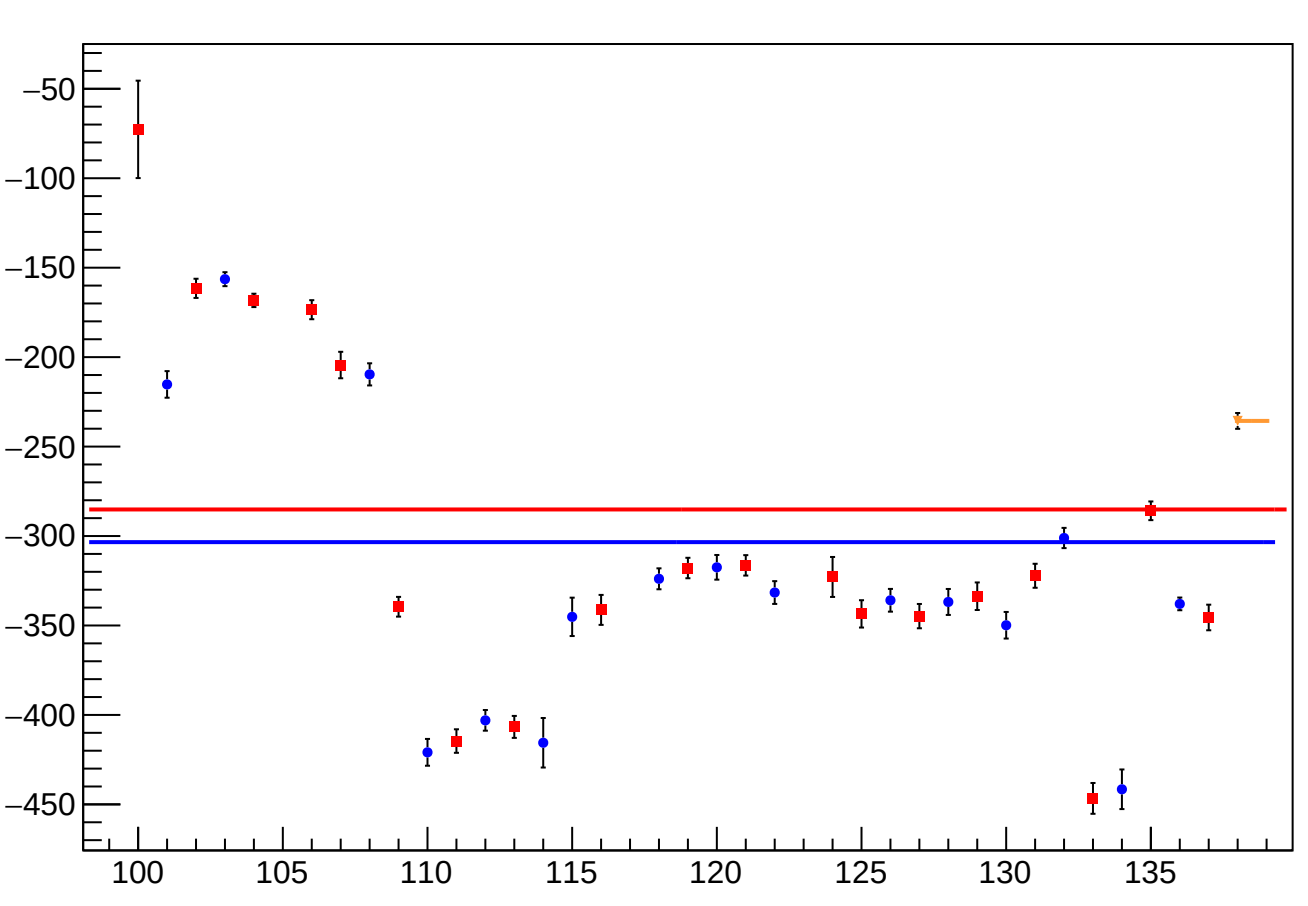
Left: 10.034+/-4.169 χ^2/NDF: 0.0/0

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 7.066+/-1.443 χ^2/NDF:292.6/15

Out: 5.495+/-1.288 χ^2/NDF:289.8/19

All: 6.192+/-0.961 χ^2/NDF: 583.1/35



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -235.649+/-4.425 χ^2/NDF:0.0/0

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

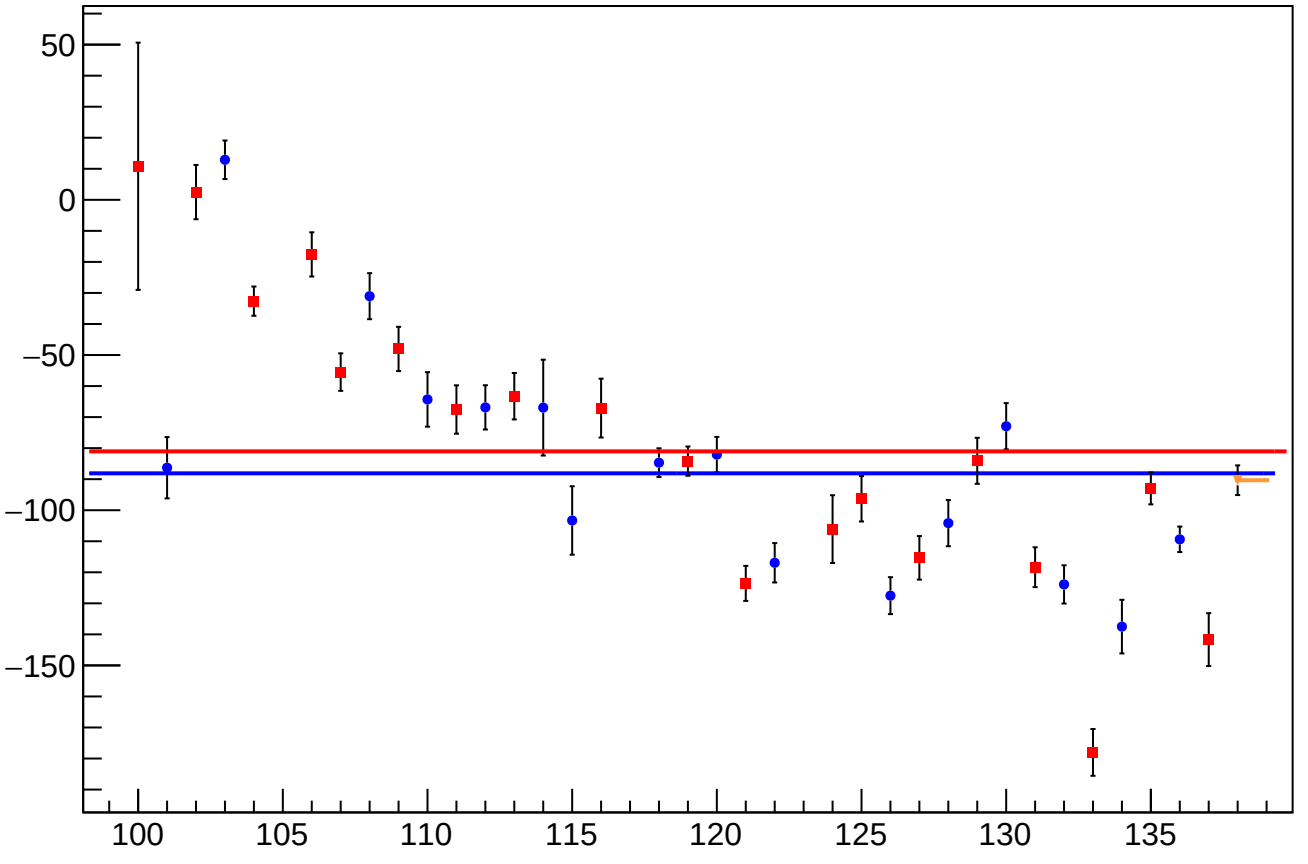
Left: -235.649+/-4.425 χ^2/NDF: 0.0/0

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -303.408+/-1.530 χ^2/NDF:2785.5/15

Out: -280.343+/-1.379 χ^2/NDF:3867.8/19

All: -290.679+/-1.024 χ^2/NDF: 6778.7/35



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -90.336+/-4.781 χ^2/NDF:0.0/0

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

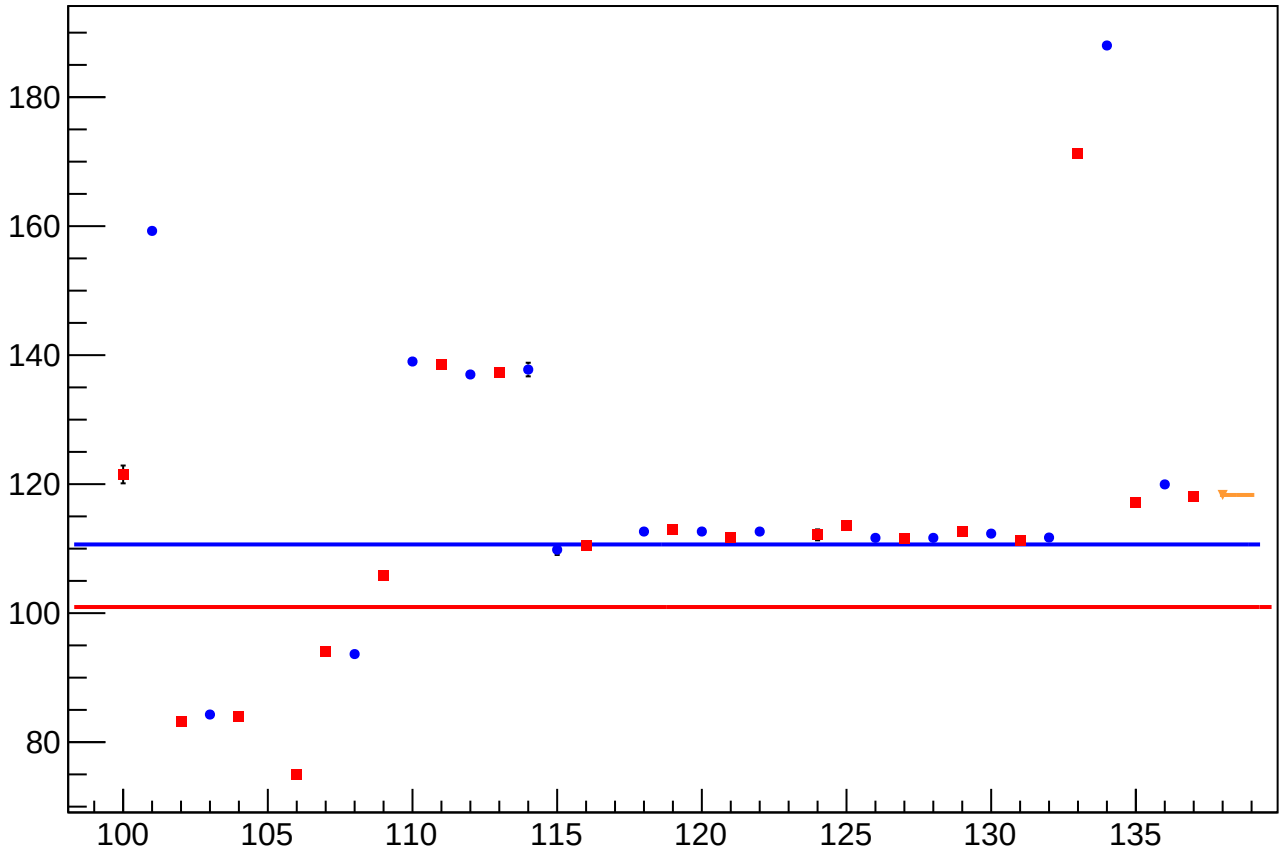
Left: -90.336+/-4.781 χ^2/NDF: 0.0/0

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -88.119+/-1.655 χ^2/NDF:511.9/15

Out: -81.949+/-1.491 χ^2/NDF:680.9/19

All: -84.713+/-1.108 χ^2/NDF: 1200.5/35



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.323+/-0.178 χ^2/NDF:0.0/0

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

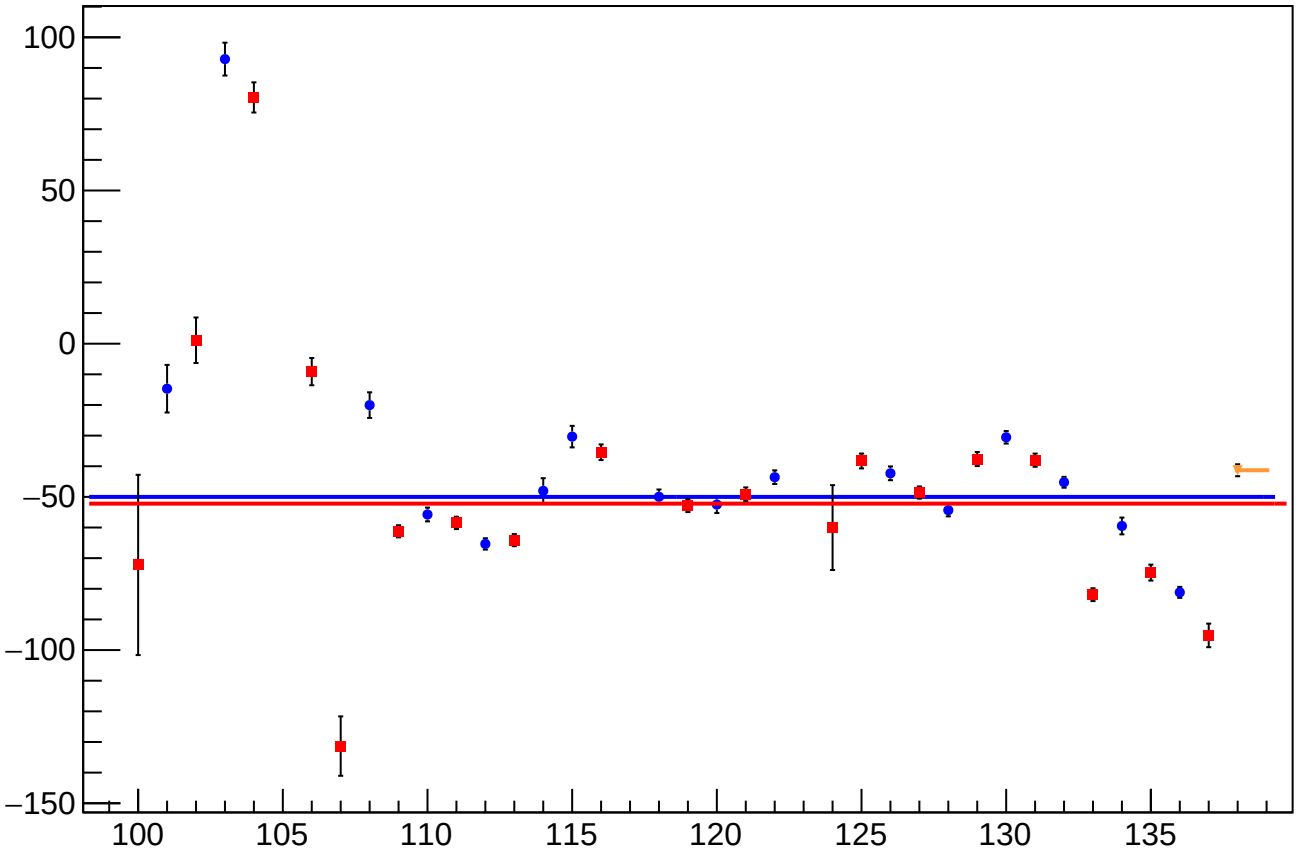
Left: 118.323+/-0.178 χ^2/NDF: 0.0/0

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 110.651+/-0.086 χ^2/NDF:83521.8/15

Out: 103.931+/-0.074 χ^2/NDF:69904.4/19

All: 106.783+/-0.056 χ^2/NDF: 156955.3/35



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -41.311+/-1.955 χ^2/NDF:0.0/0

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

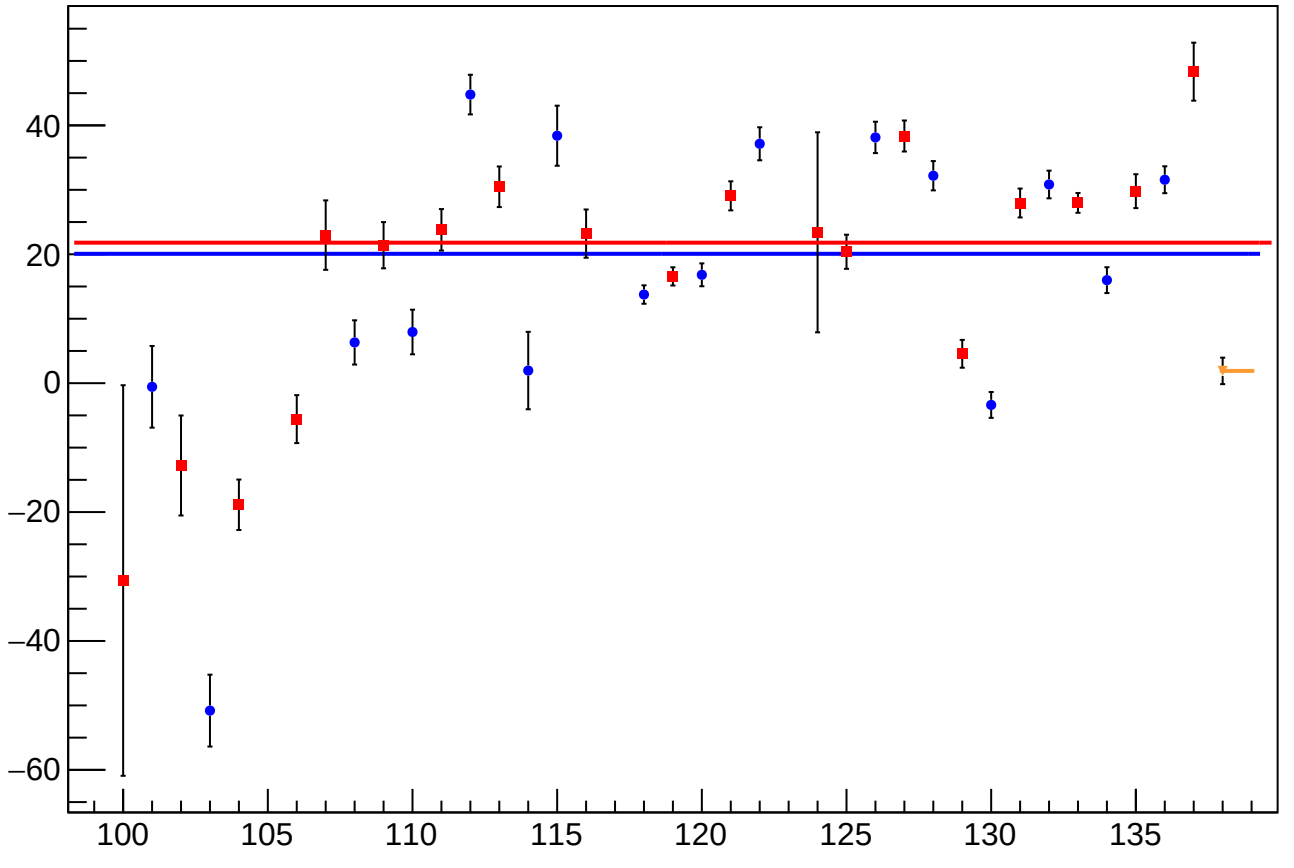
Left: -41.311+/-1.955 χ^2/NDF: 0.0/0

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -50.008+/-0.610 χ^2/NDF:1327.4/15

Out: -51.255+/-0.578 χ^2/NDF:1598.6/19

All: -50.665+/-0.420 χ^2/NDF: 2928.2/35



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 1.903+/-2.054 χ^2/NDF:0.0/0

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

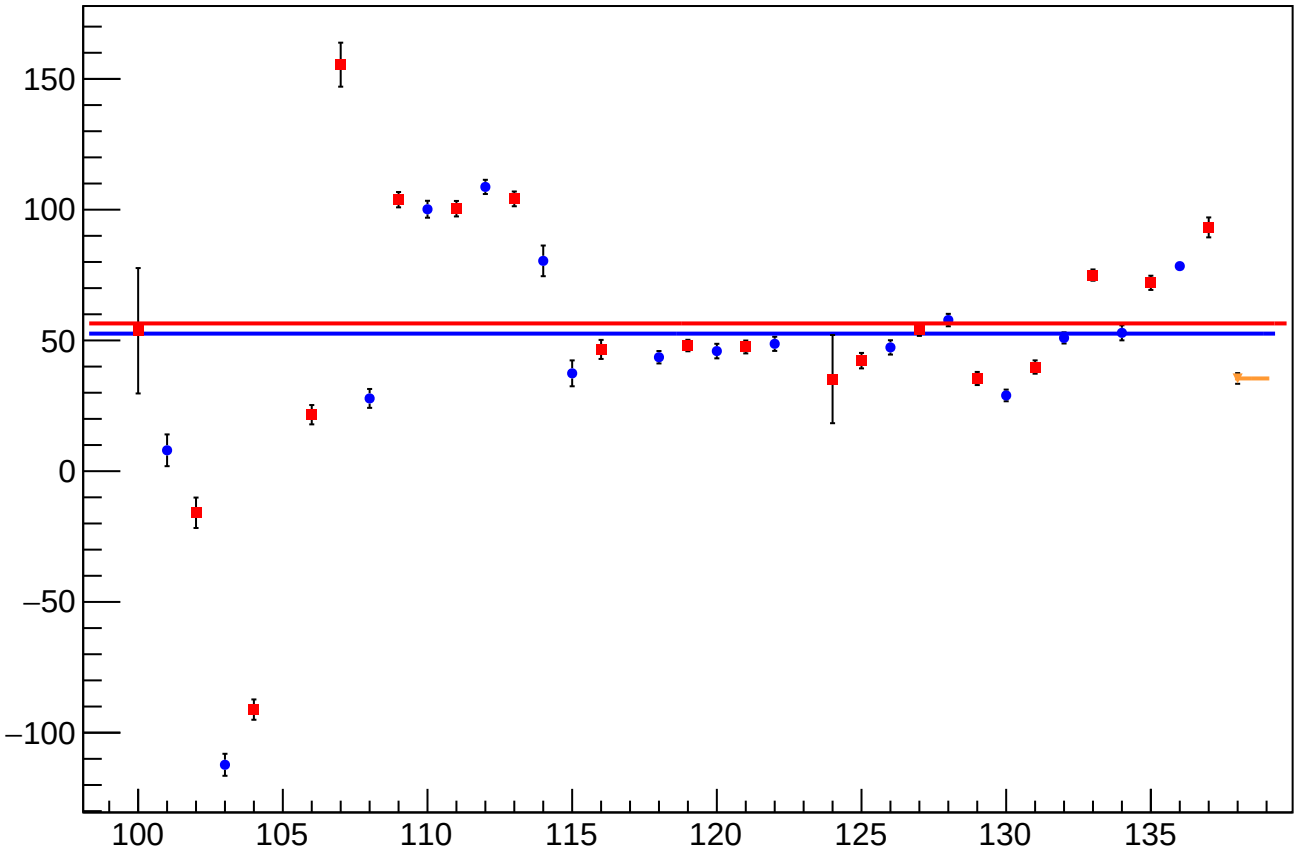
Left: 1.903+/-2.054 χ^2/NDF: 0.0/0

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 20.072+/-0.612 χ^2/NDF:636.2/15

Out: 20.128+/-0.595 χ^2/NDF:482.3/19

All: 20.101+/-0.427 χ^2/NDF: 1118.5/35



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 35.460+/-2.041 χ^2/NDF:0.0/0

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

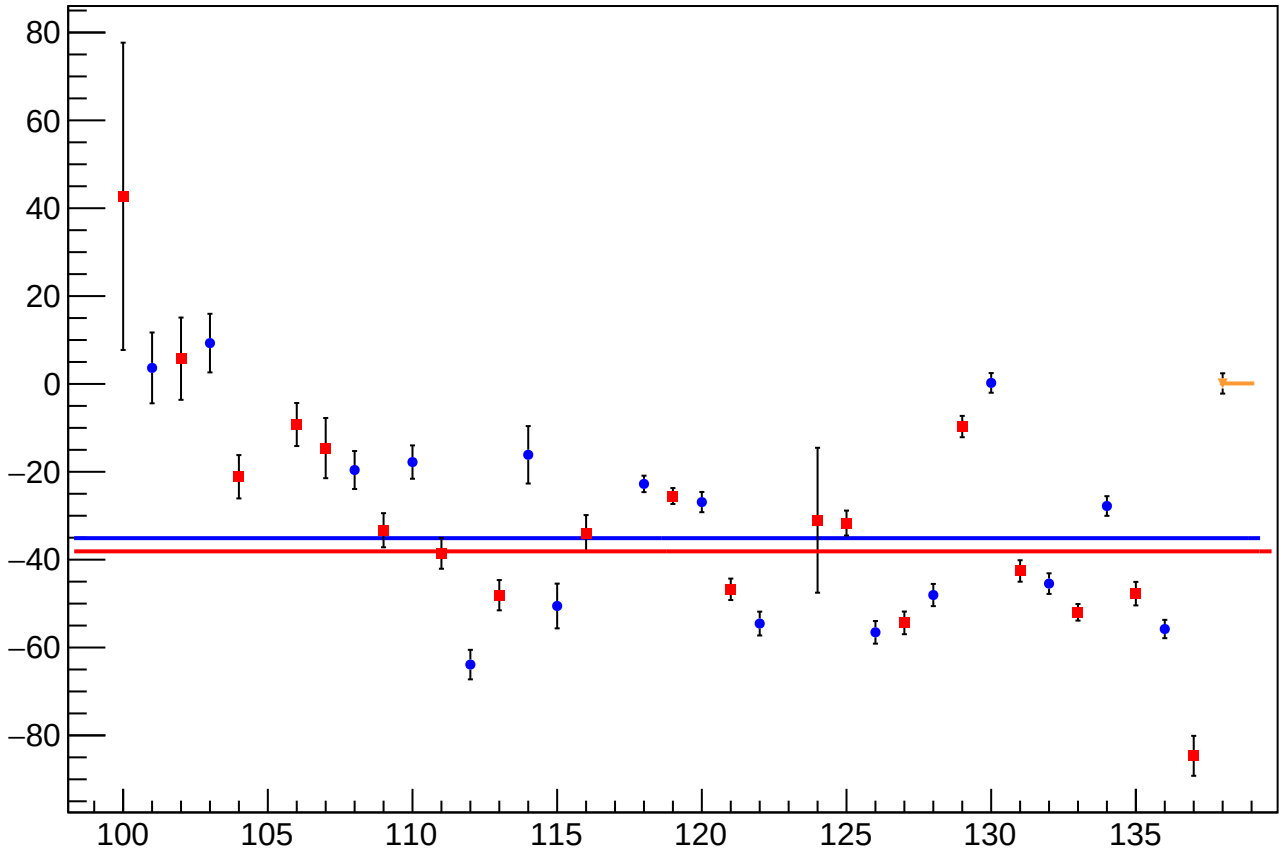
Left: 35.460+/-2.041 χ^2/NDF: 0.0/0

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 52.605+/-0.696 χ^2/NDF:2659.4/15

Out: 54.255+/-0.667 χ^2/NDF:3060.4/19

All: 53.465+/-0.482 χ^2/NDF: 5722.7/35



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: 0.114+/-2.313 χ^2/NDF:0.0/0

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

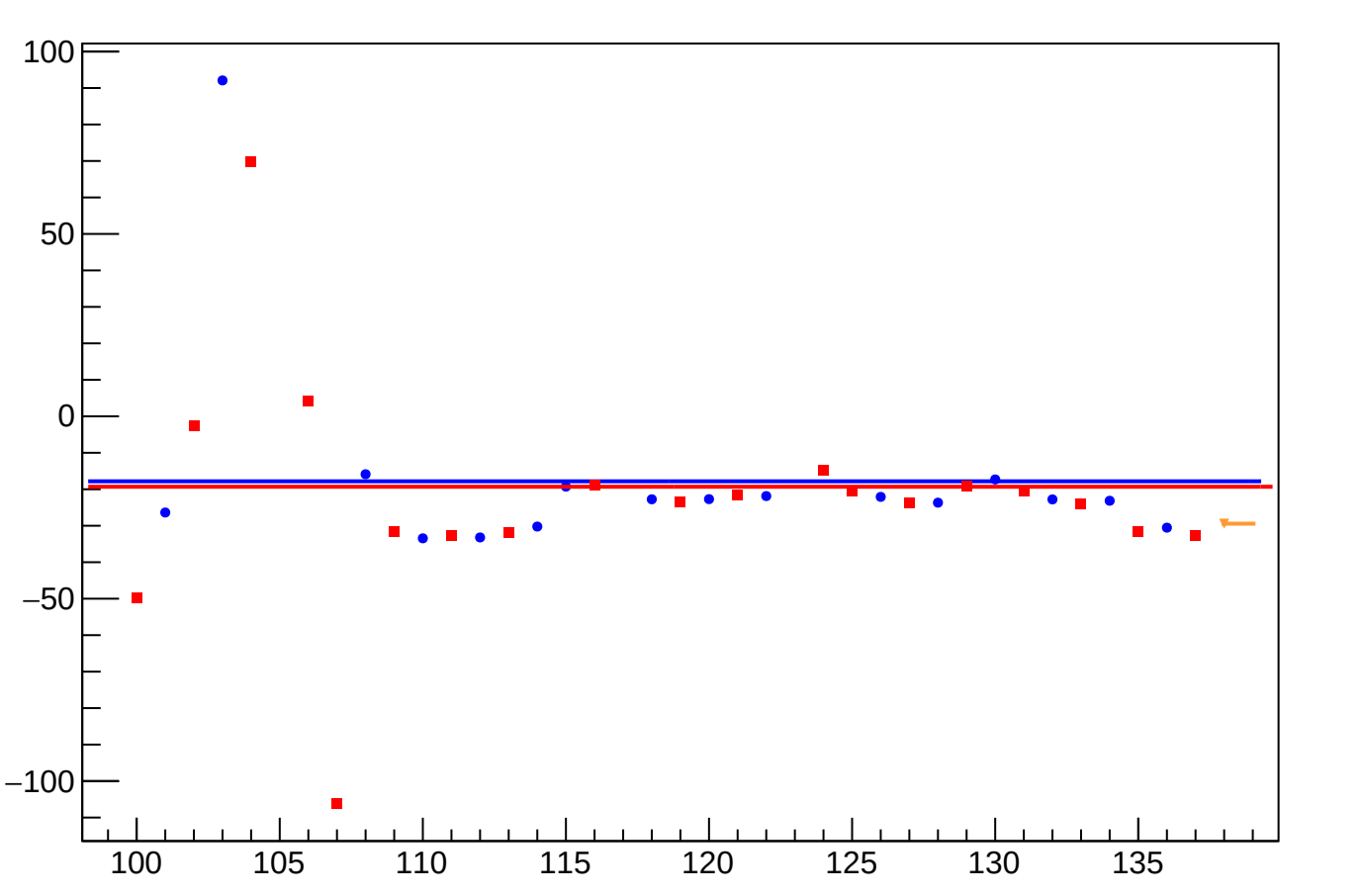
Left: 0.114+/-2.313 χ^2/NDF: 0.0/0

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -35.104+/-0.700 χ^2/NDF:773.2/15

Out: -34.785+/-0.682 χ^2/NDF:763.9/19

All: -34.940+/-0.489 χ^2/NDF: 1537.2/35



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -29.434+/-0.080 χ^2/NDF:0.0/0

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

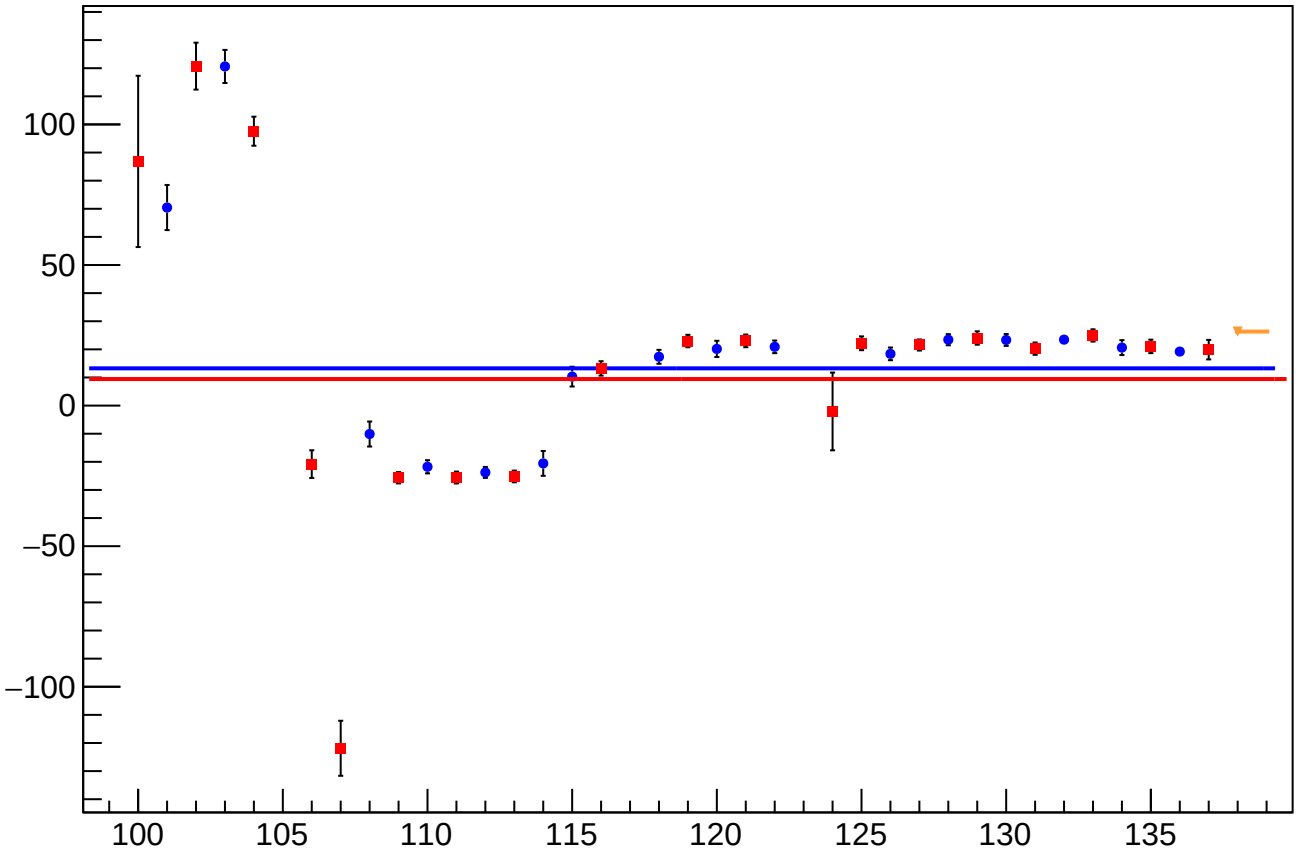
Left: -29.434+/-0.080 χ^2/NDF: 0.0/0

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -17.817+/-0.043 χ^2/NDF:426105.1/15

Out: -21.815+/-0.040 χ^2/NDF:356562.5/19

All: -19.972+/-0.029 χ^2/NDF: 787277.8/35



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 26.327+/-1.786 χ^2/NDF:0.0/0

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

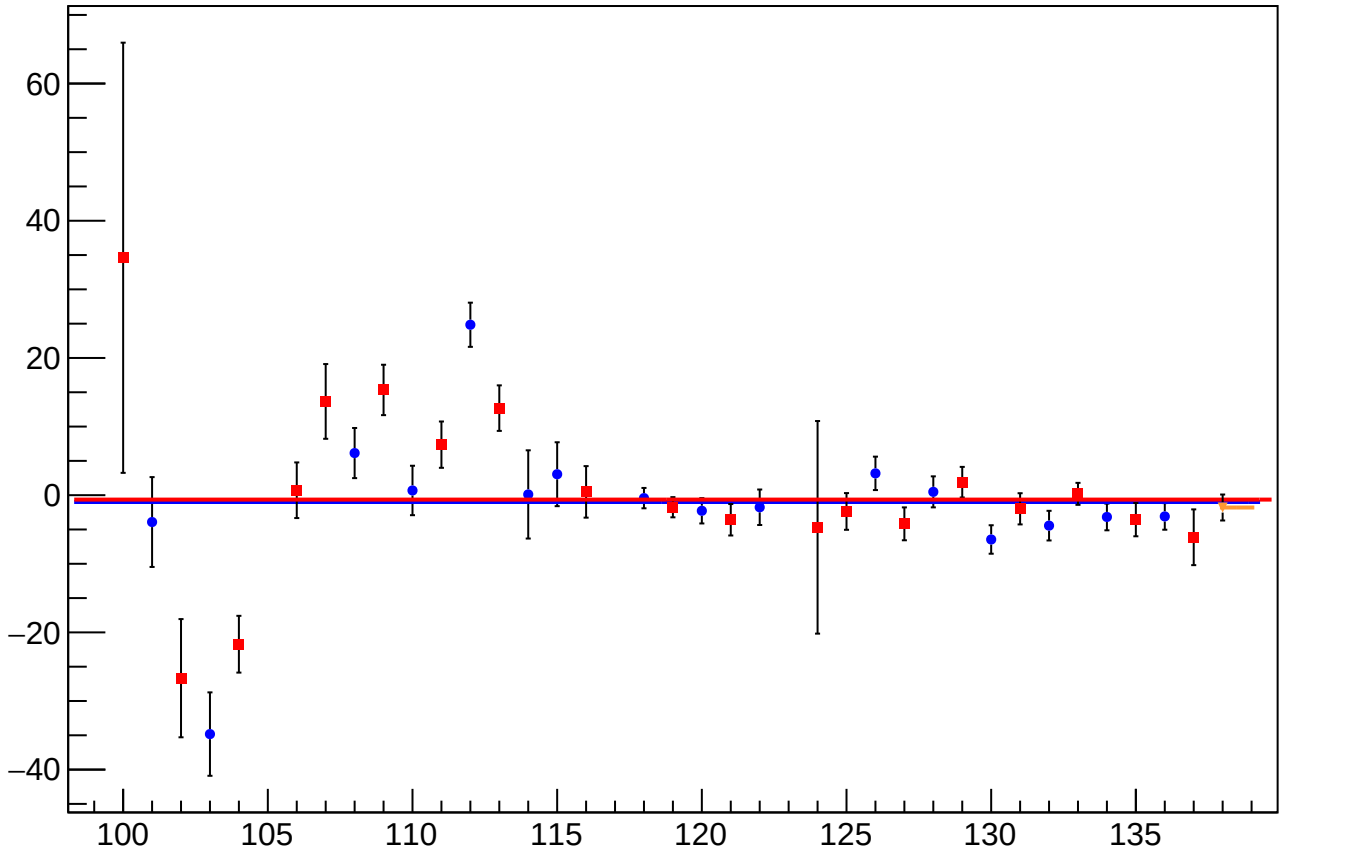
Left: 26.327+/-1.786 χ^2/NDF: 0.0/0

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 13.250+/-0.615 χ^2/NDF:1182.5/15

Out: 11.239+/-0.582 χ^2/NDF:1916.4/19

All: 12.189+/-0.422 χ^2/NDF: 3104.6/35



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.798+/-1.893 χ^2/NDF:0.0/0

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

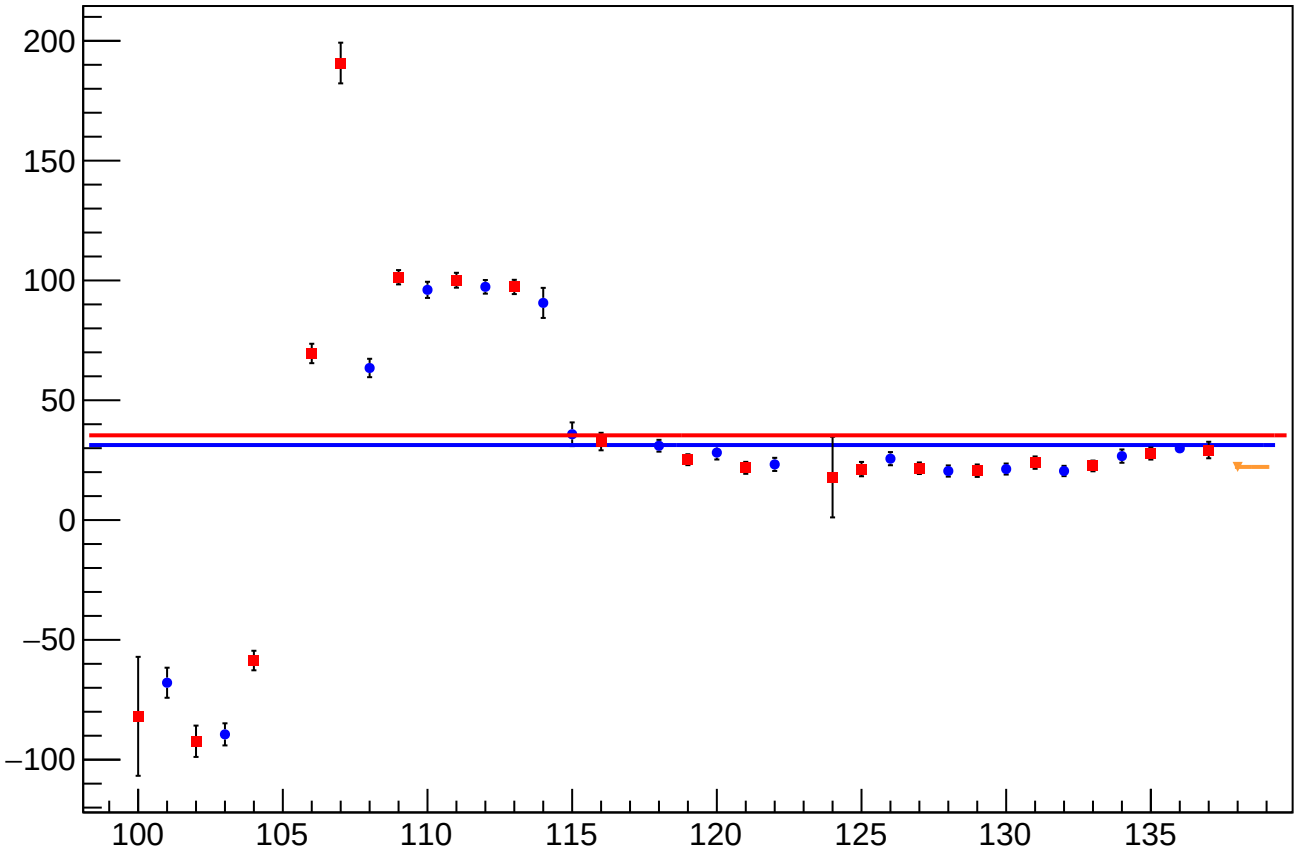
Left: -1.798+/-1.893 χ^2/NDF: 0.0/0

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.993+/-0.619 χ^2/NDF:116.3/15

Out: -0.761+/-0.602 χ^2/NDF:94.6/19

All: -0.874+/-0.432 χ^2/NDF: 211.0/35



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 22.177+/-1.865 χ^2/NDF:0.0/0

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 22.177+/-1.865 χ^2/NDF: 0.0/0

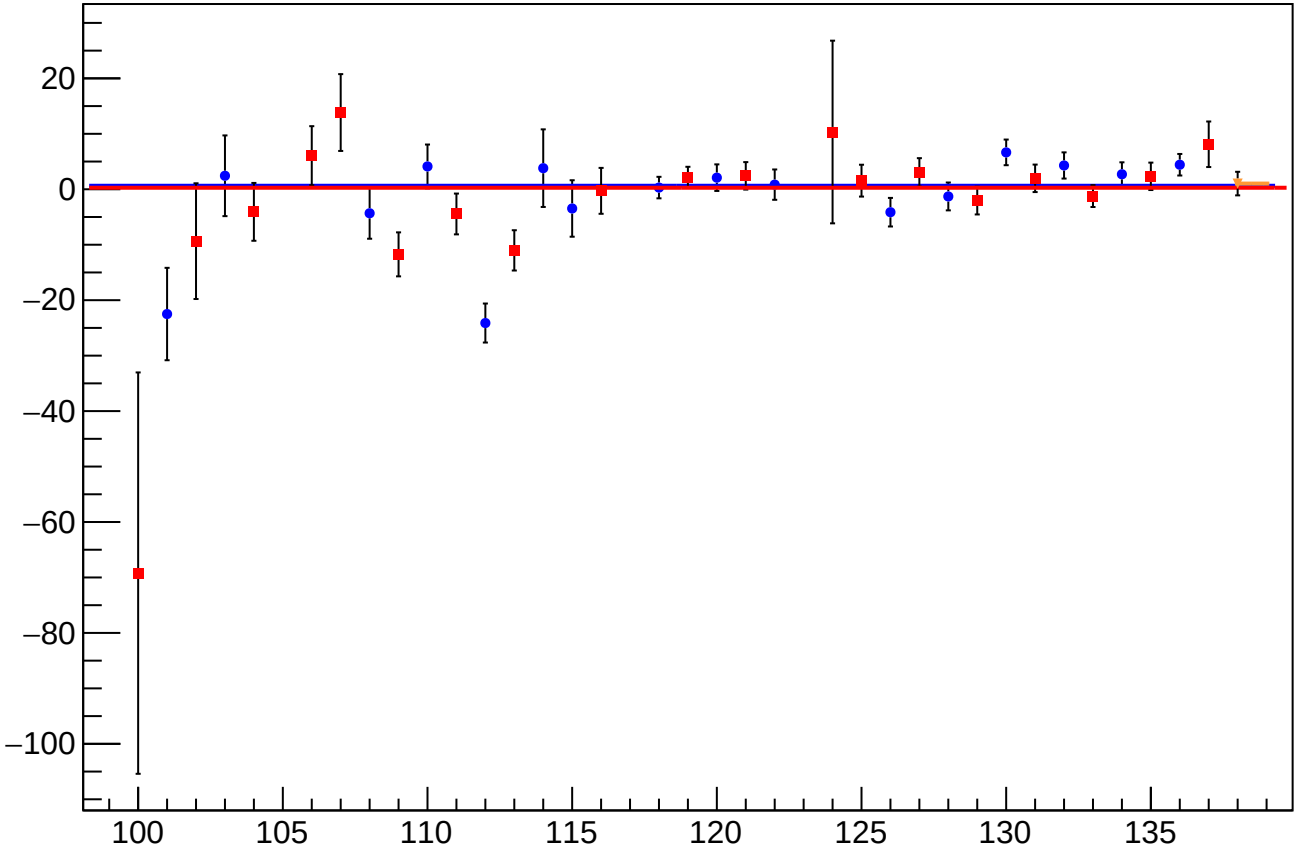
Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 31.310+/-0.700 χ^2/NDF:2085.9/15

Out: 33.668+/-0.669 χ^2/NDF:2941.2/19

All: 32.542+/-0.484 χ^2/NDF: 5033.0/35

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 1.026+/-2.126 χ^2/NDF:0.0/0

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

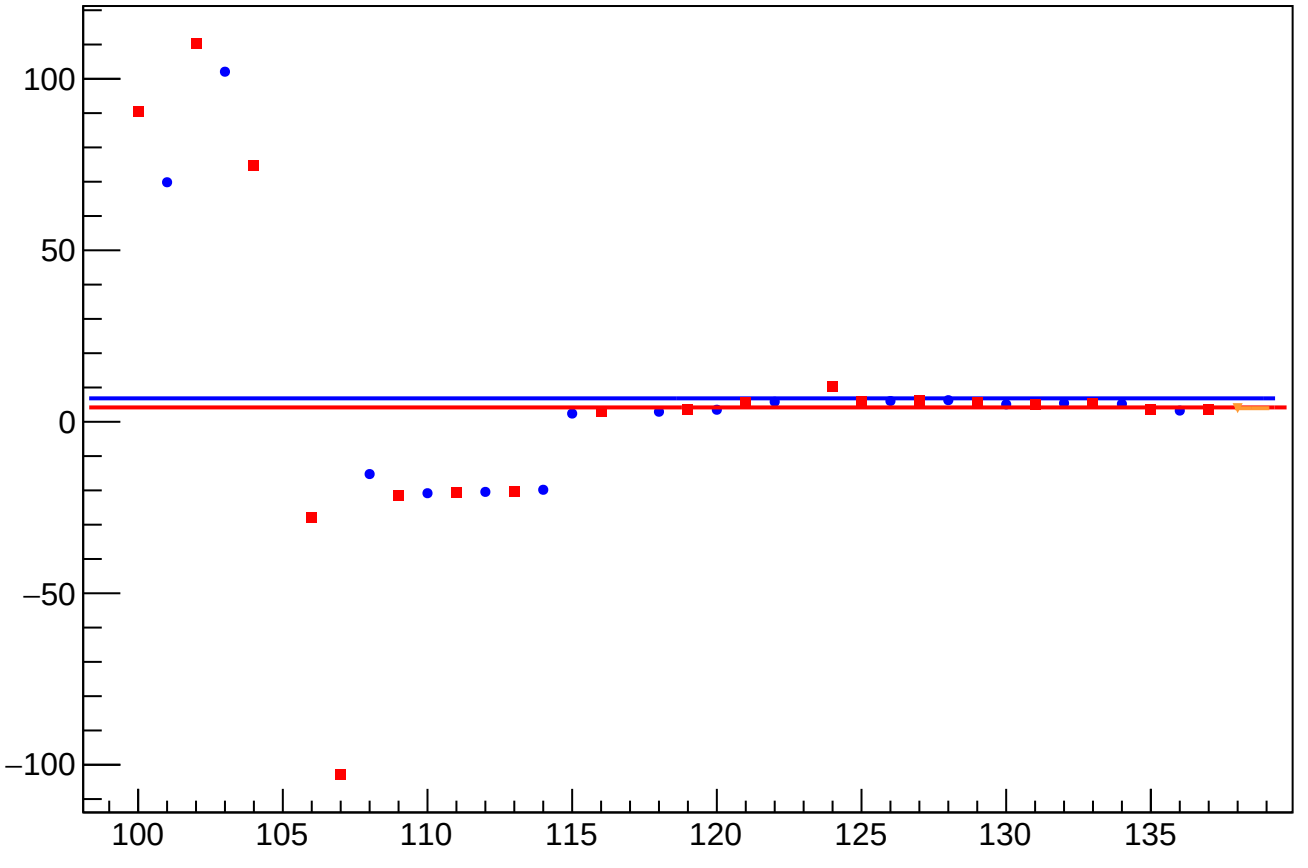
Left: 1.026+/-2.126 χ^2/NDF: 0.0/0

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 0.632+/-0.705 χ^2/NDF:78.4/15

Out: 0.353+/-0.687 χ^2/NDF:40.6/19

All: 0.489+/-0.492 χ^2/NDF: 119.1/35



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 3.963+/-0.073 χ^2/NDF:0.0/0

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

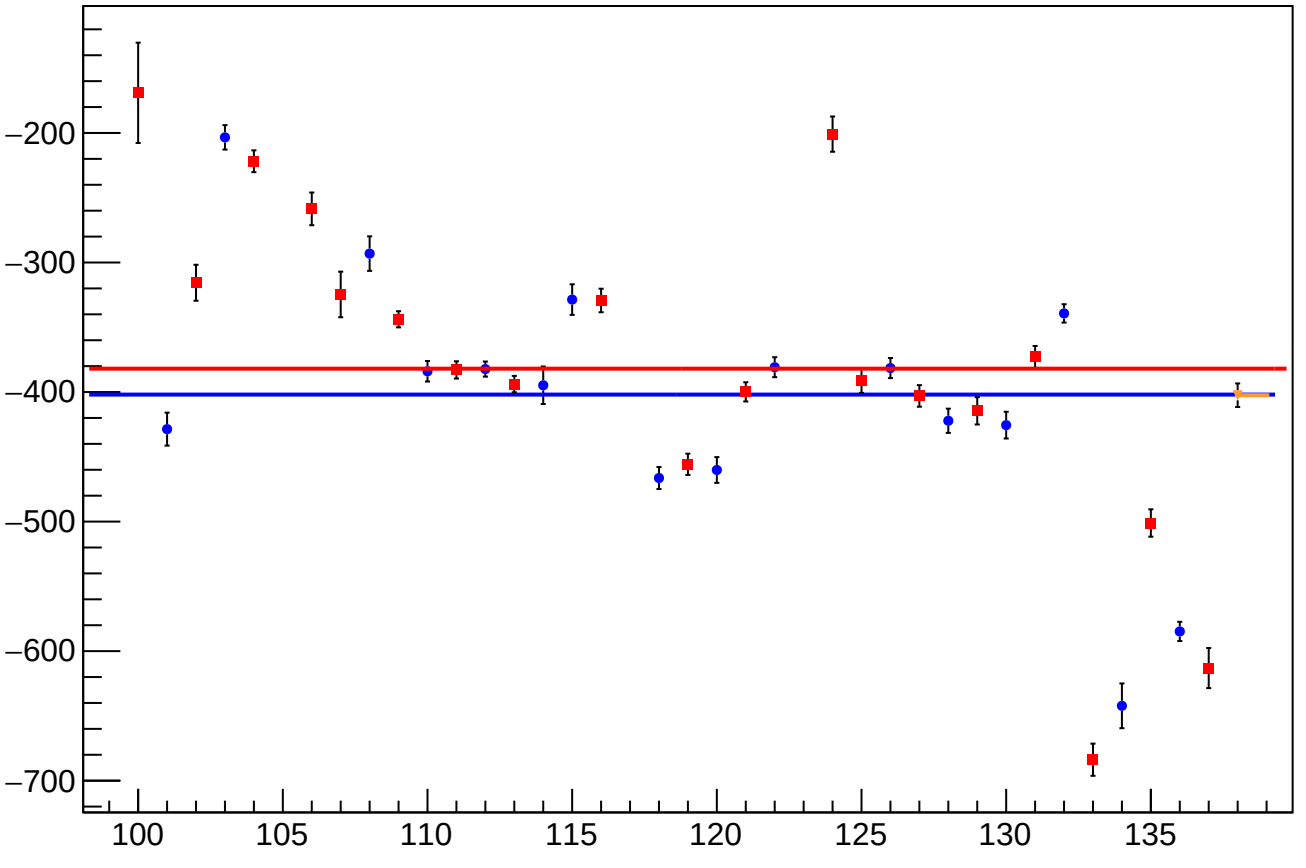
Left: 3.963+/-0.073 χ^2/NDF: 0.0/0

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 6.838+/-0.043 χ^2/NDF:320954.7/15

Out: 4.125+/-0.039 χ^2/NDF:434553.7/19

All: 5.359+/-0.029 χ^2/NDF: 757692.9/35



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -402.451+/-9.094 χ^2/NDF:0.0/0

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -402.451+/-9.094 χ^2/NDF: 0.0/0

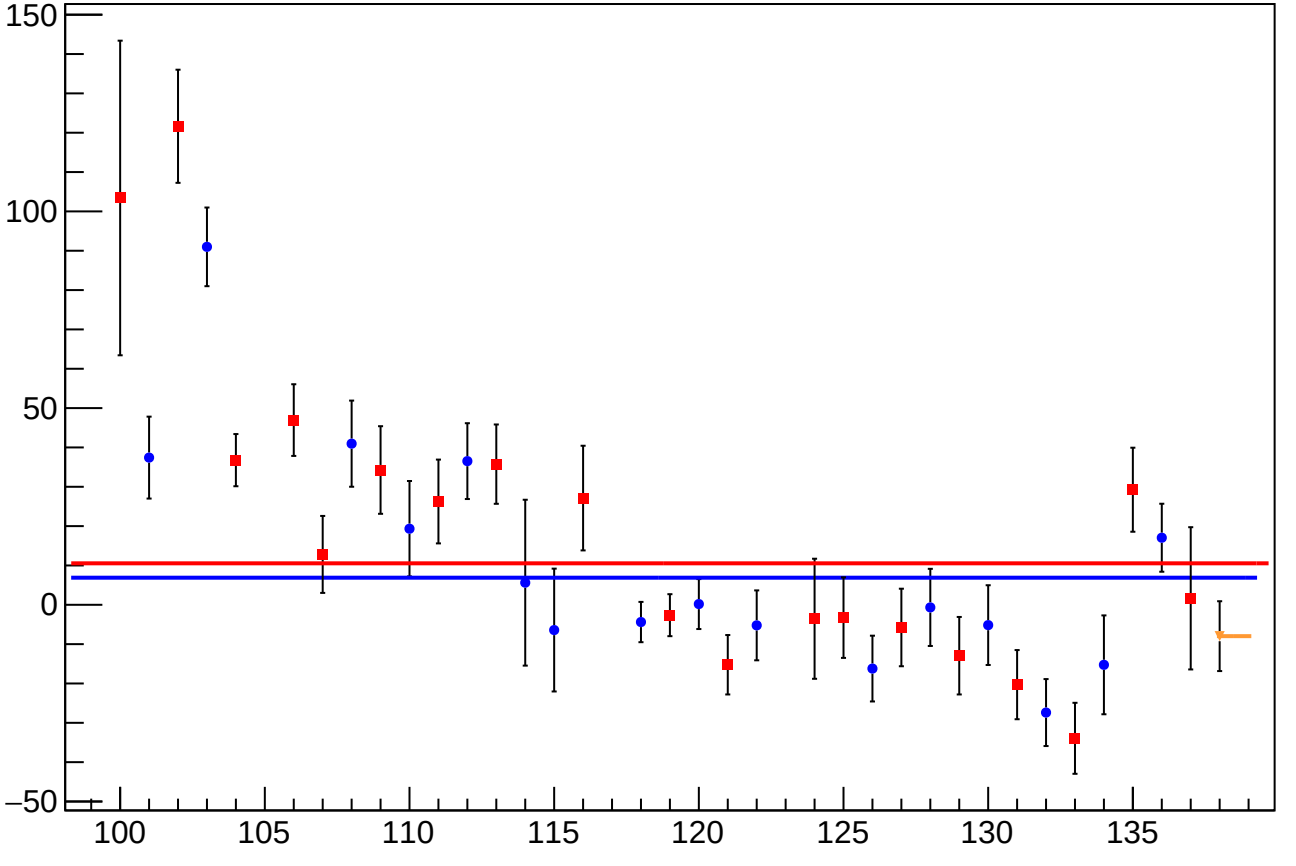
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -401.961+/-2.236 χ^2/NDF:1563.3/15

Out: -383.010+/-2.069 χ^2/NDF:1822.2/19

All: -391.750+/-1.518 χ^2/NDF: 3424.2/35

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: -7.970+/-8.876 χ^2/NDF:0.0/0

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

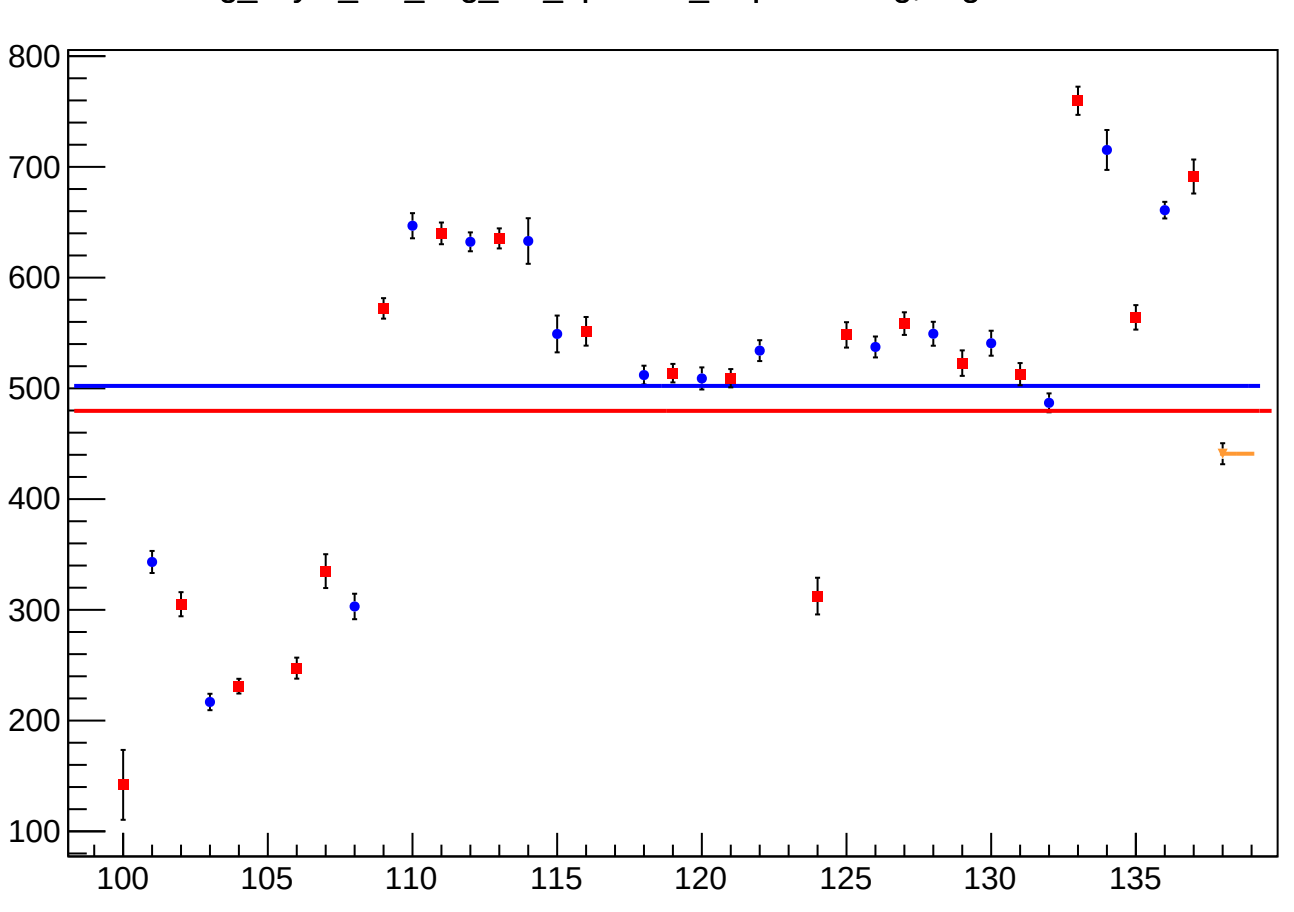
Left: -7.970+/-8.876 χ^2/NDF: 0.0/0

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 6.889+/-2.264 χ^2/NDF:138.4/15

Out: 9.475+/-2.133 χ^2/NDF:184.1/19

All: 8.259+/-1.552 χ^2/NDF: 323.3/35



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 440.979+/-9.487 χ^2/NDF:0.0/0

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

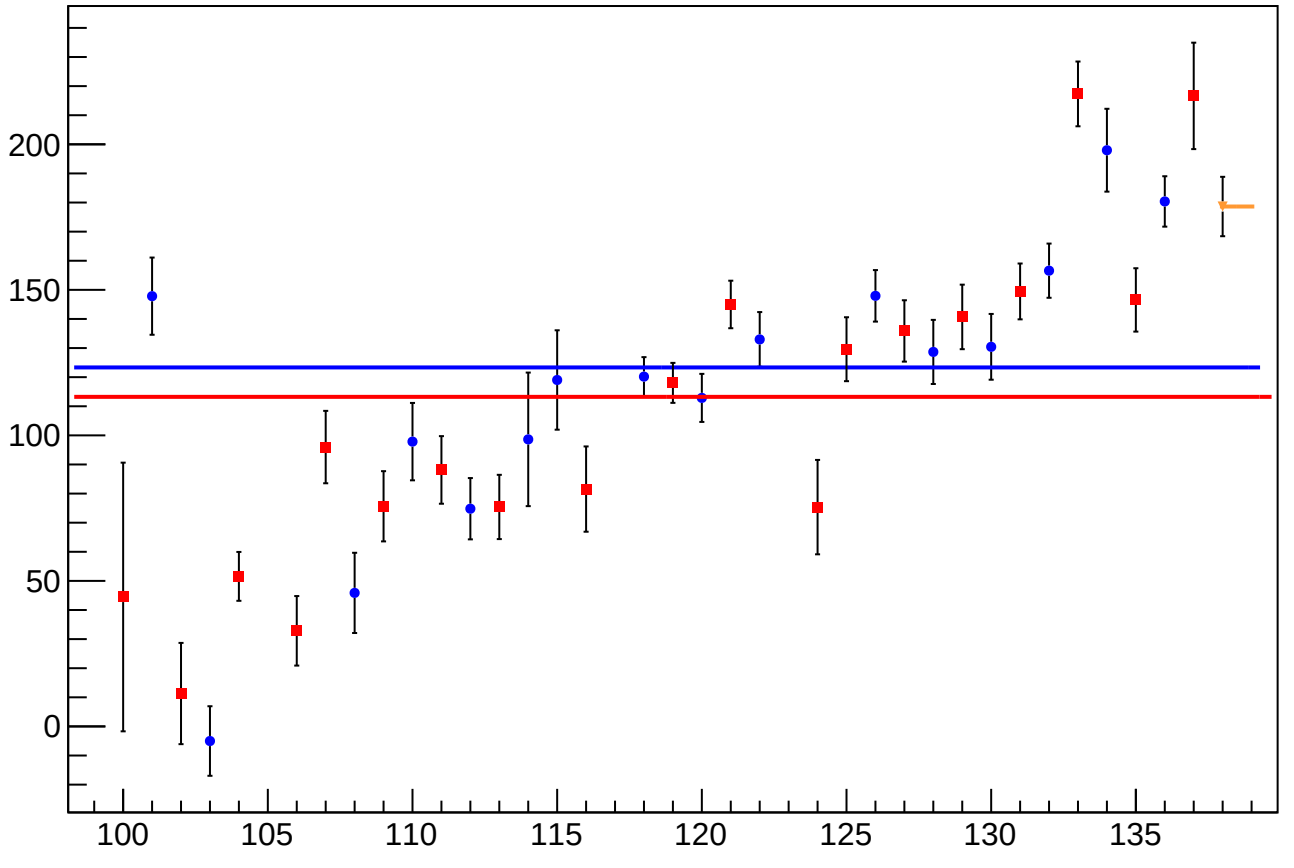
Left: 440.979+/-9.487 χ^2/NDF: 0.0/0

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 502.213+/-2.493 χ^2/NDF:3135.2/15

Out: 477.352+/-2.326 χ^2/NDF:4154.2/19

All: 488.923+/-1.701 χ^2/NDF: 7342.5/35



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 178.632+/-10.205 χ^2/NDF:0.0/0

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

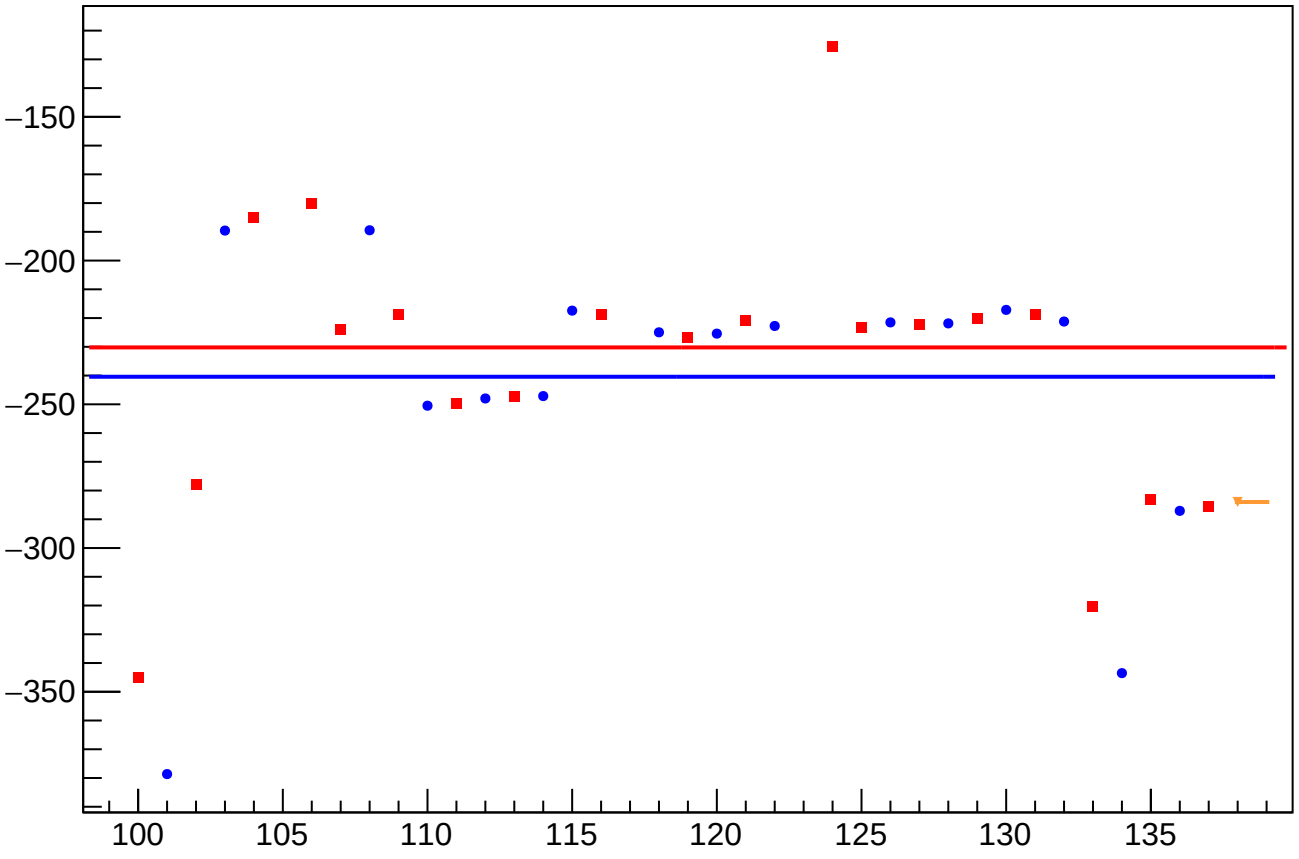
Left: 178.632+/-10.205 χ^2/NDF: 0.0/0

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 123.344+/-2.627 χ^2/NDF:271.4/15

Out: 117.064+/-2.469 χ^2/NDF:384.4/19

All: 120.010+/-1.799 χ^2/NDF: 658.8/35



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -283.981+/-0.382 χ^2/NDF:0.0/0

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

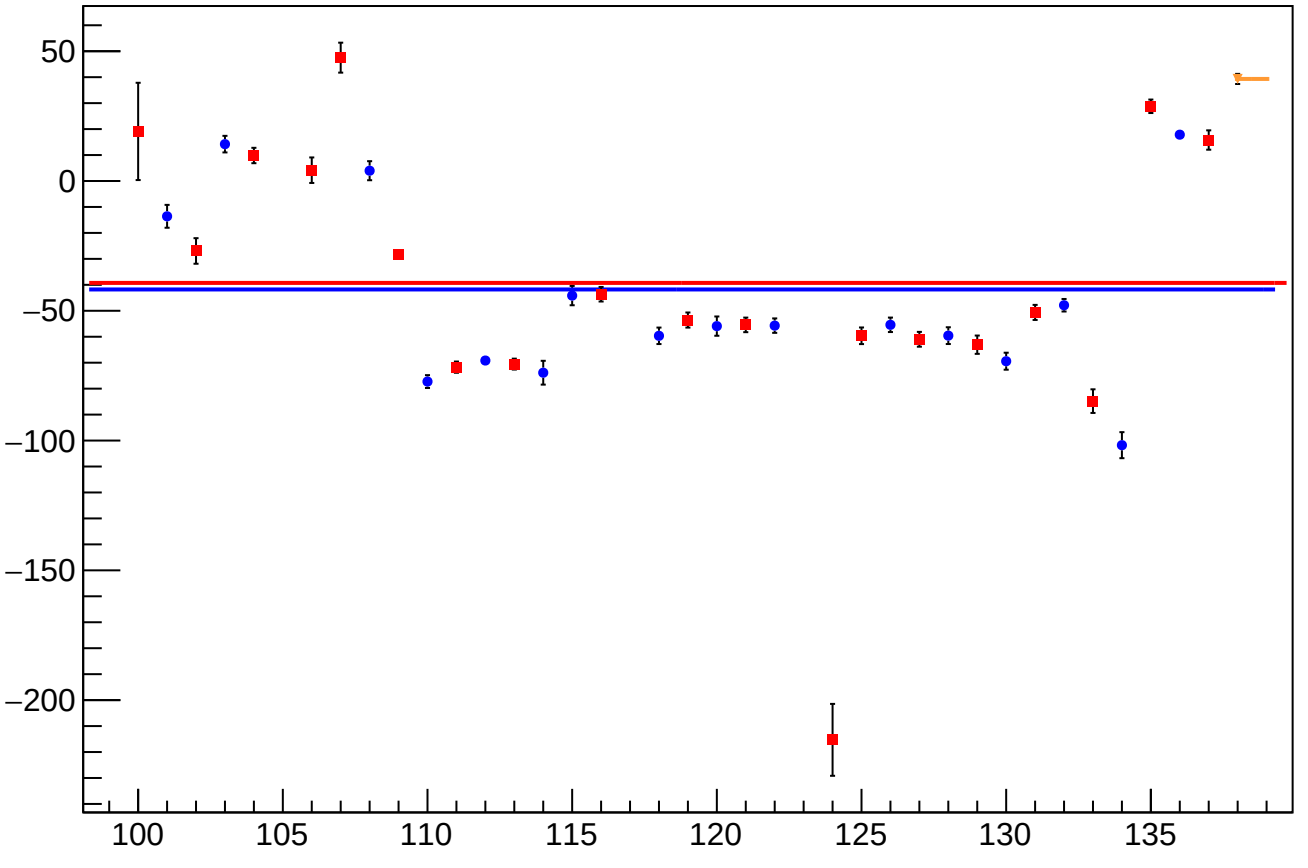
Left: -283.981+/-0.382 χ^2/NDF: 0.0/0

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -240.411+/-0.151 χ^2/NDF:134152.1/15

Out: -237.088+/-0.137 χ^2/NDF:100672.6/19

All: -238.590+/-0.101 χ^2/NDF: 235091.5/35



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 39.322+/-1.950 χ^2/NDF:0.0/0

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

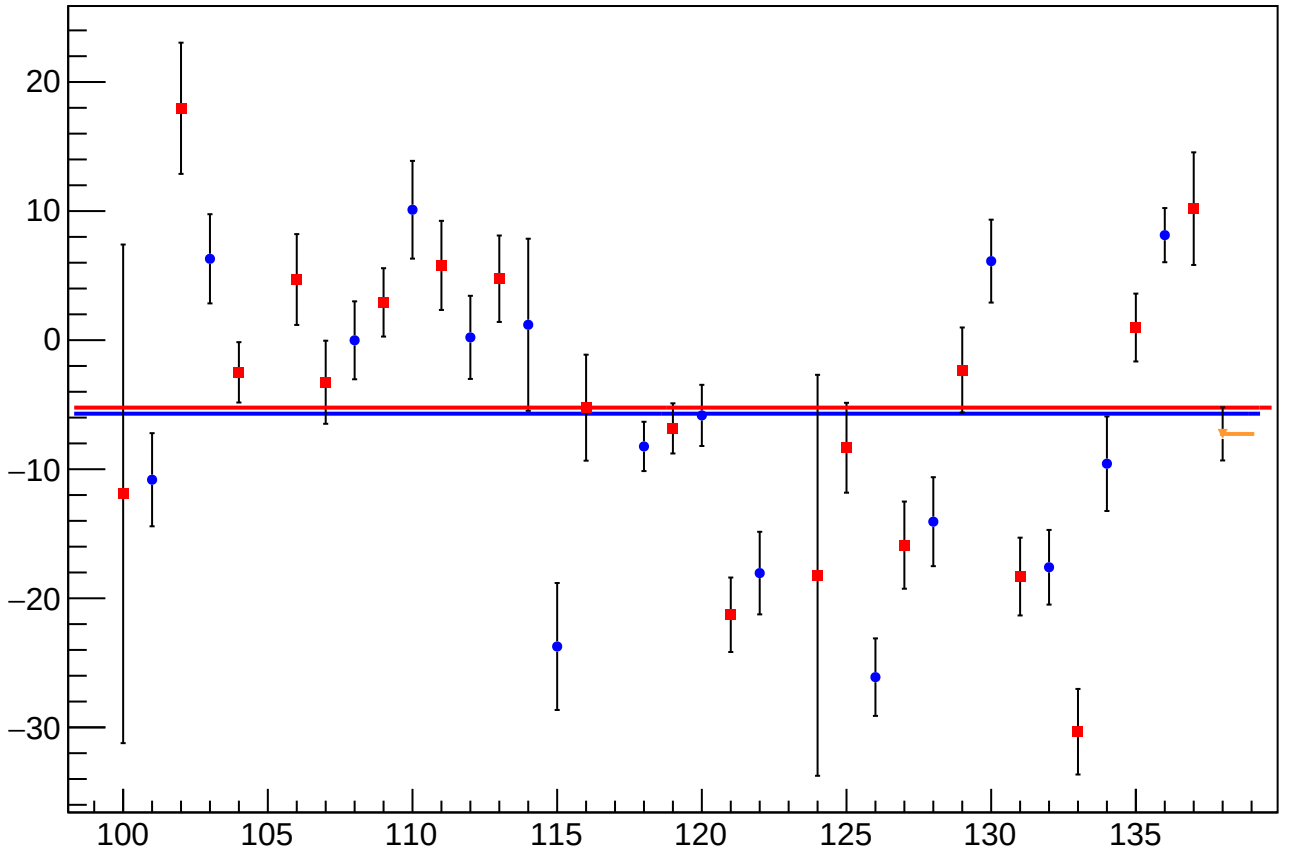
Left: 39.322+/-1.950 χ^2/NDF: 0.0/0

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -41.788+/-0.723 χ^2/NDF:2405.5/15

Out: -30.751+/-0.642 χ^2/NDF:3926.3/19

All: -35.614+/-0.480 χ^2/NDF: 6462.1/35



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -7.266+/-2.054 χ^2/NDF:0.0/0

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

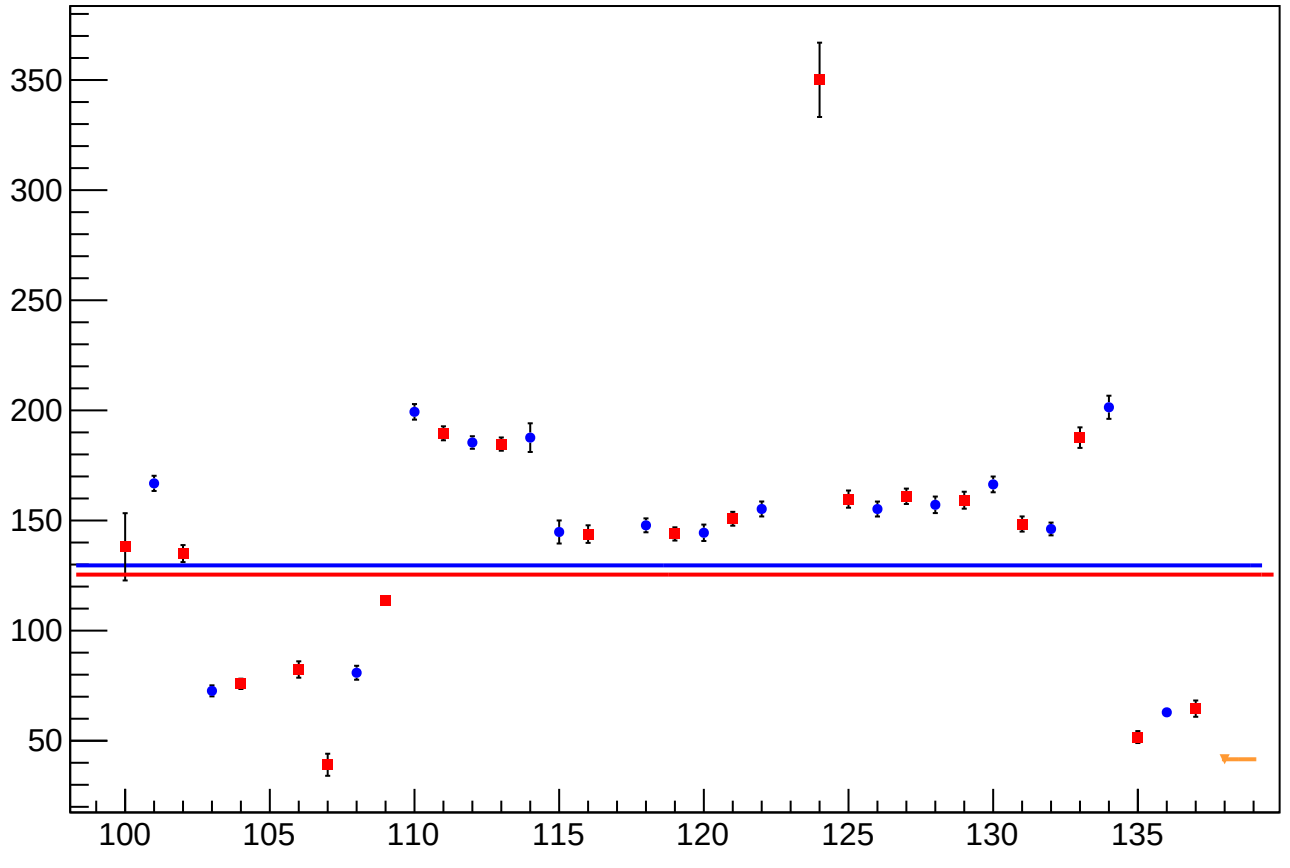
Left: -7.266+/-2.054 χ^2/NDF: 0.0/0

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -5.697+/-0.753 χ^2/NDF:196.7/15

Out: -5.461+/-0.696 χ^2/NDF:198.2/19

All: -5.570+/-0.511 χ^2/NDF: 395.0/35



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 41.590+/-2.036 χ^2/NDF:0.0/0

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

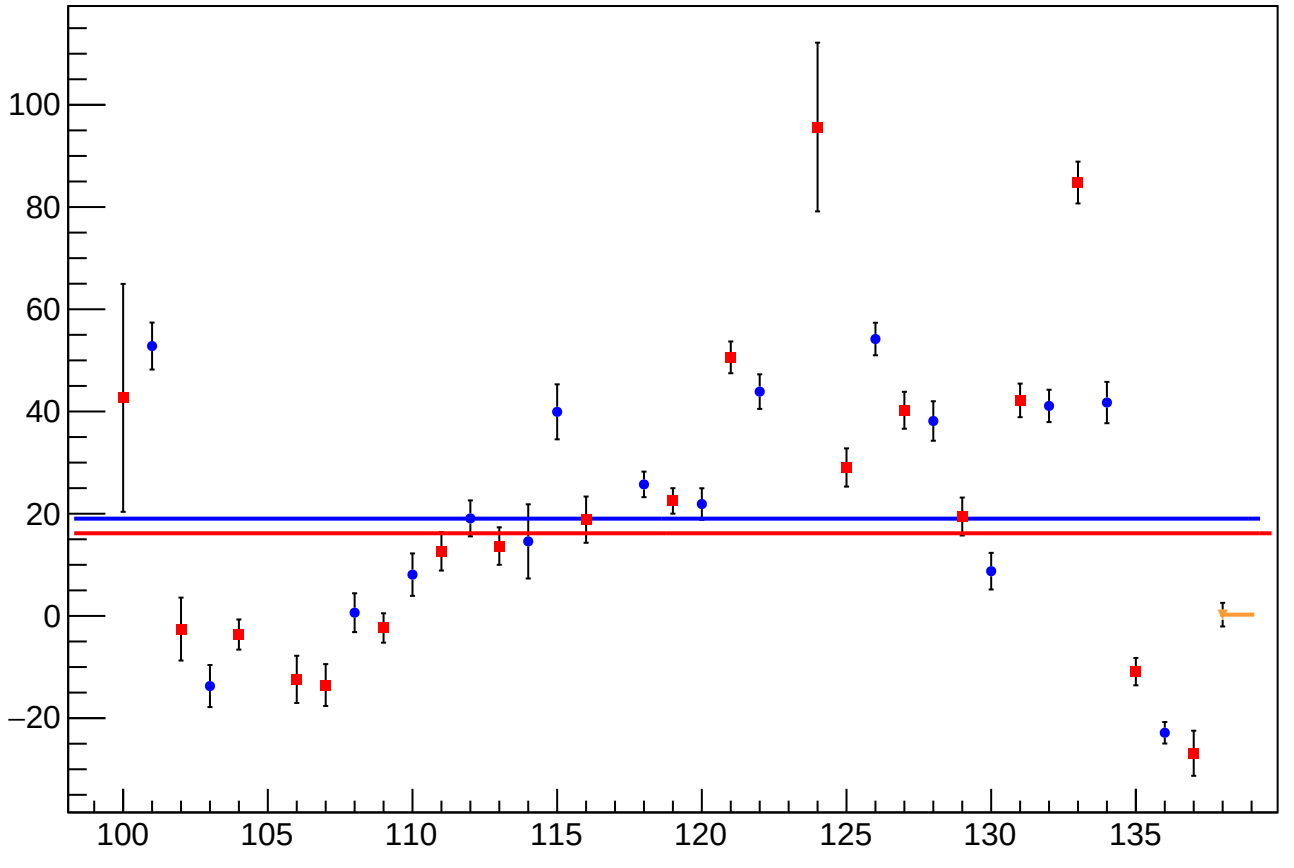
Left: 41.590+/-2.036 χ^2/NDF: 0.0/0

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 129.621+/-0.801 χ^2/NDF:3624.4/15

Out: 114.469+/-0.736 χ^2/NDF:4977.1/19

All: 121.413+/-0.542 χ^2/NDF: 8795.5/35



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: 0.251+/-2.311 χ^2/NDF:0.0/0

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

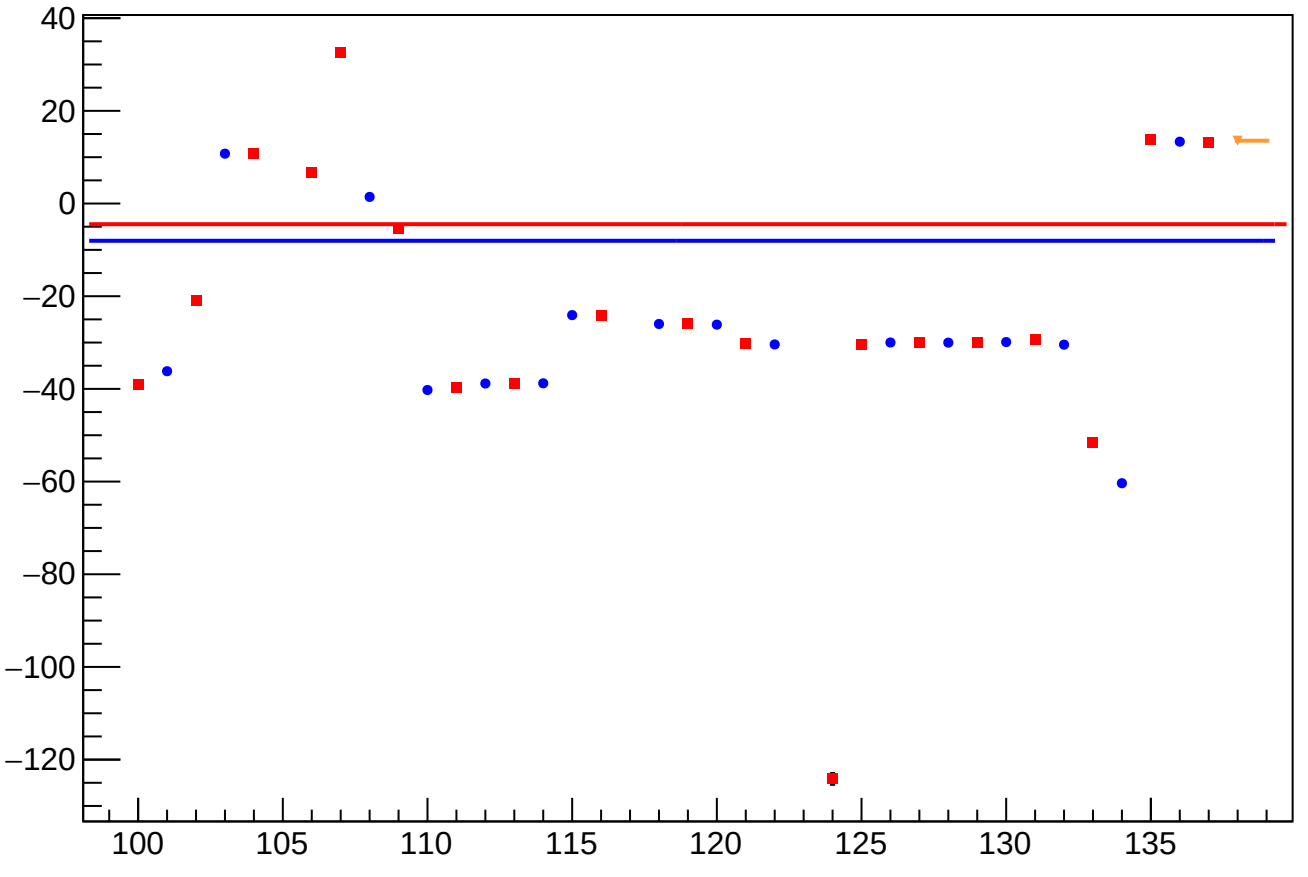
Left: 0.251+/-2.311 χ^2/NDF: 0.0/0

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 19.035+/-0.860 χ^2/NDF:858.1/15

Out: 14.291+/-0.794 χ^2/NDF:983.1/19

All: 16.475+/-0.583 χ^2/NDF: 1857.6/35



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 13.557+/-0.080 χ^2/NDF:0.0/0

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

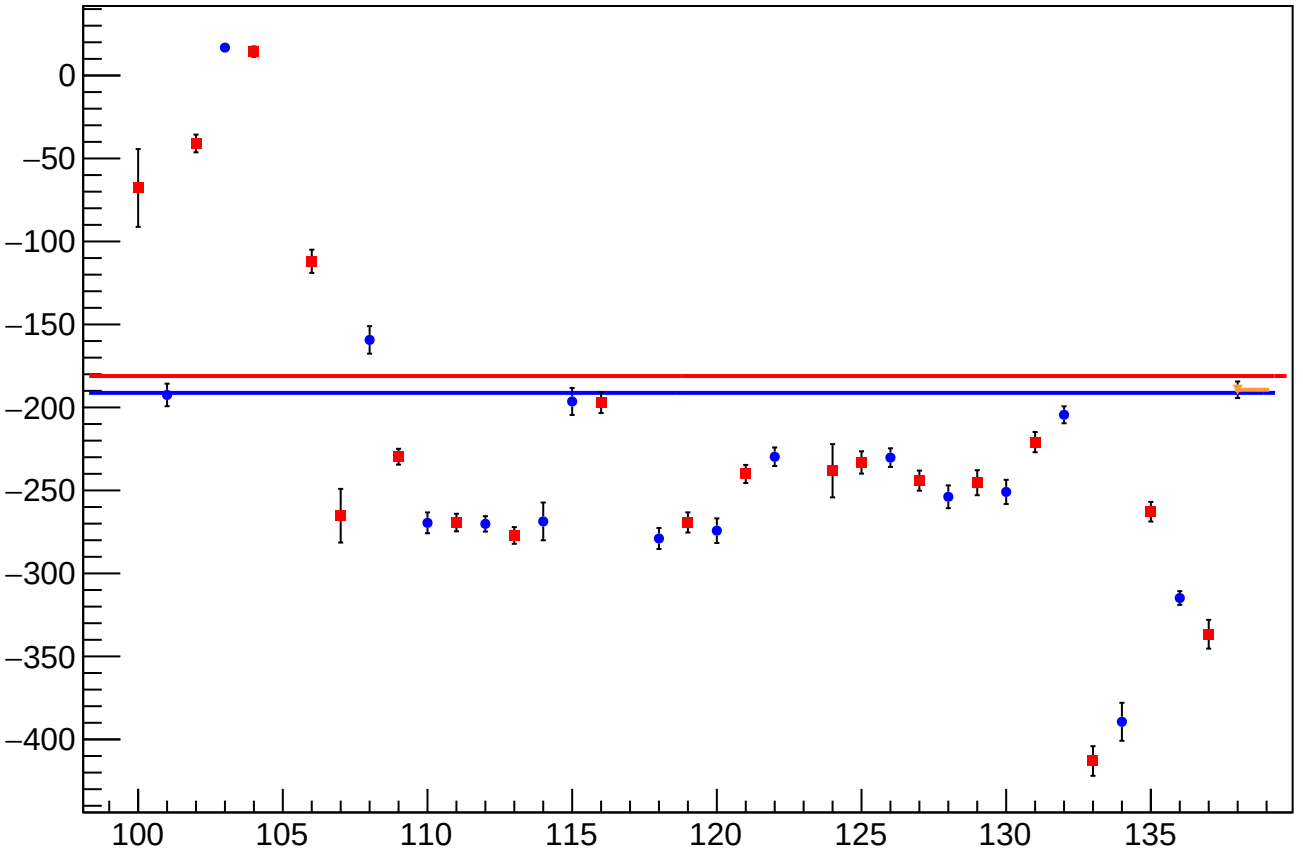
Left: 13.557+/-0.080 χ^2/NDF: 0.0/0

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: -8.038+/-0.046 χ^2/NDF:267883.6/15

Out: 0.124+/-0.040 χ^2/NDF:266141.5/19

All: -3.446+/-0.030 χ^2/NDF: 551869.6/35



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -189.351+/-5.000 χ^2/NDF:0.0/0

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

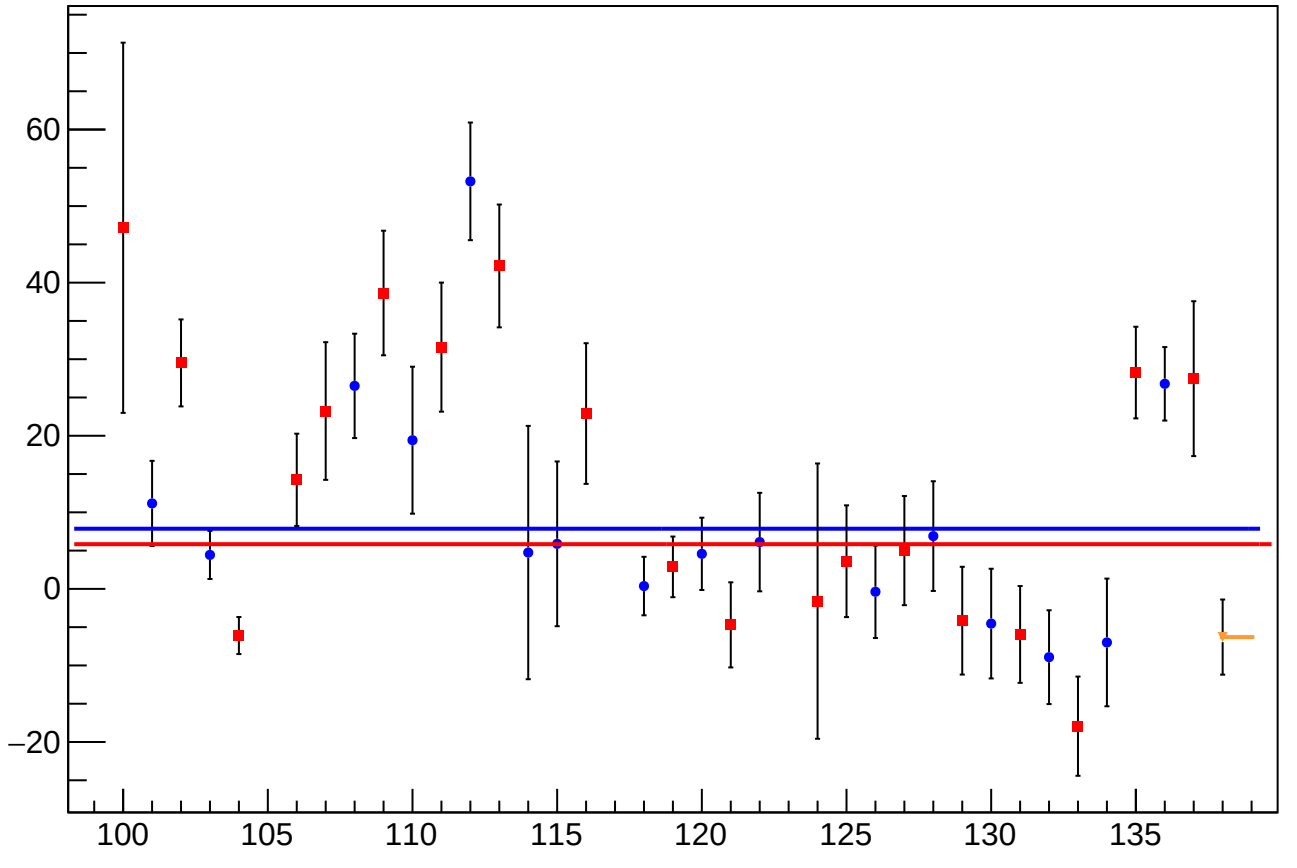
Left: -189.351+/-5.000 χ^2/NDF: 0.0/0

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -191.225+/-1.419 χ^2/NDF:7224.7/15

Out: -181.667+/-1.333 χ^2/NDF:7376.5/19

All: -186.147+/-0.971 χ^2/NDF: 14625.3/35



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: -6.297+/-4.908 χ^2/NDF:0.0/0

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -6.297+/-4.908 χ^2/NDF: 0.0/0

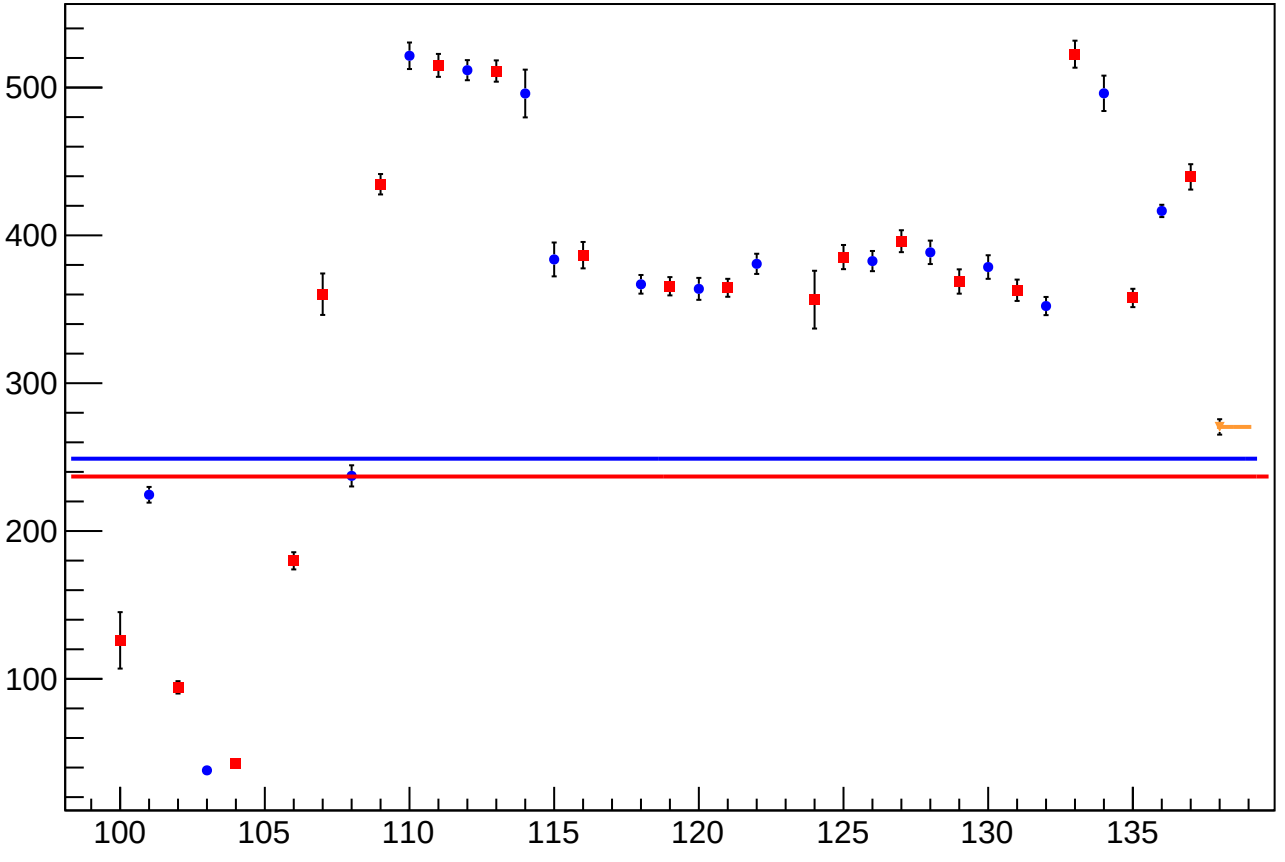
Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 7.859+/-1.438 χ^2/NDF:80.9/15

Out: 4.979+/-1.306 χ^2/NDF:147.5/19

All: 6.281+/-0.967 χ^2/NDF: 230.6/35

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 270.420+/-5.217 χ^2/NDF:0.0/0

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

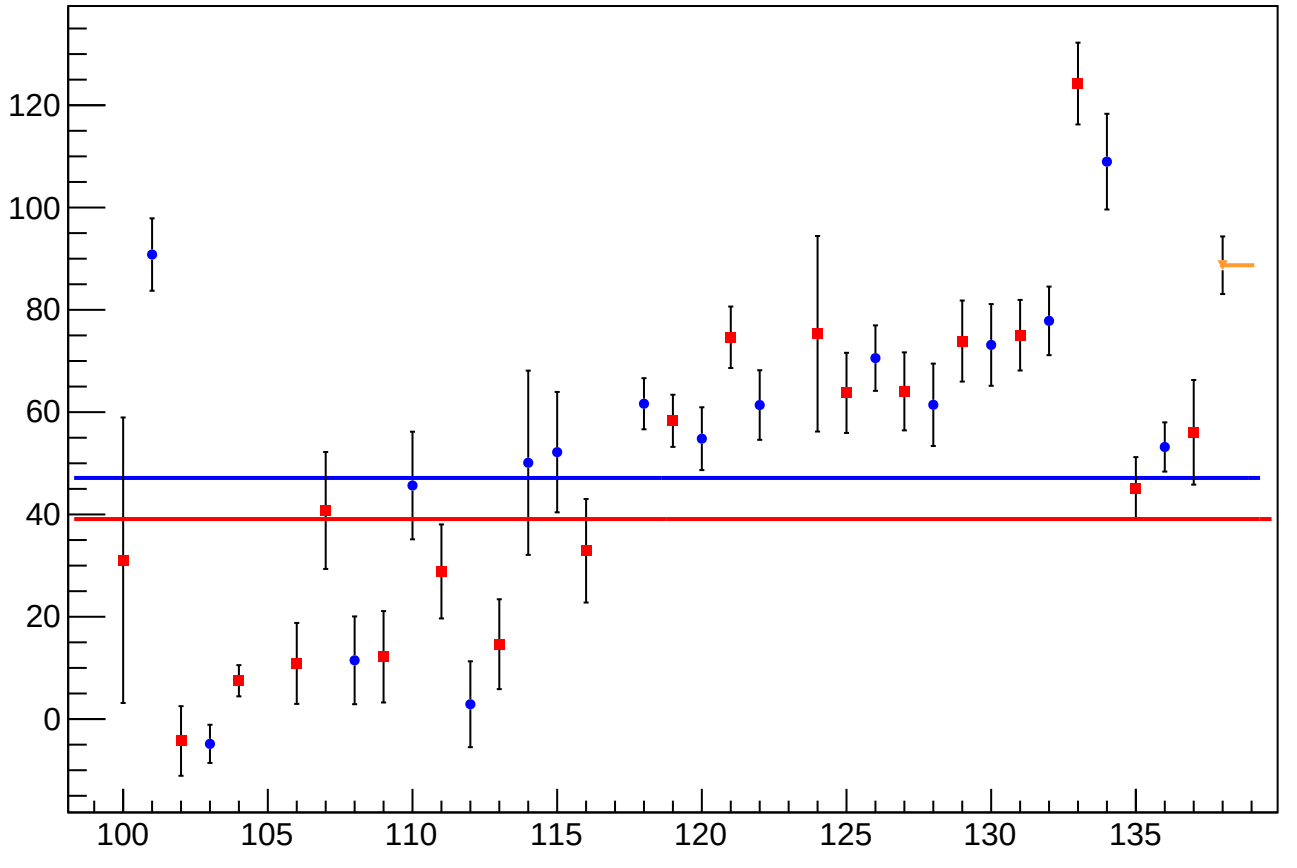
Left: 270.420+/-5.217 χ^2/NDF: 0.0/0

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 248.932+/-1.422 χ^2/NDF:15302.2/15

Out: 239.145+/-1.358 χ^2/NDF:15695.9/19

All: 243.815+/-0.982 χ^2/NDF: 31022.9/35



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 88.719+/-5.633 χ^2/NDF:0.0/0

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

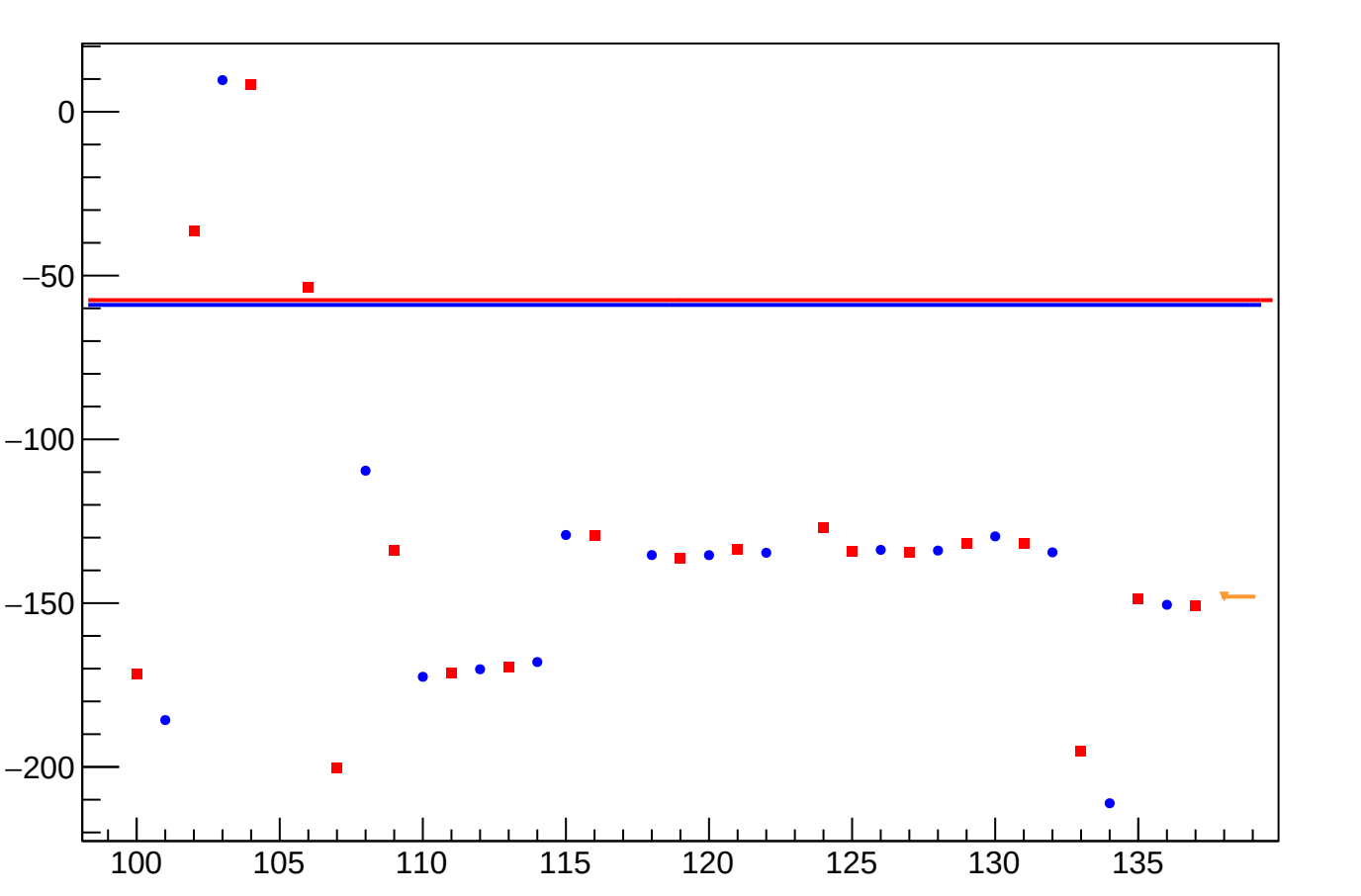
Left: 88.719+/-5.633 χ^2/NDF: 0.0/0

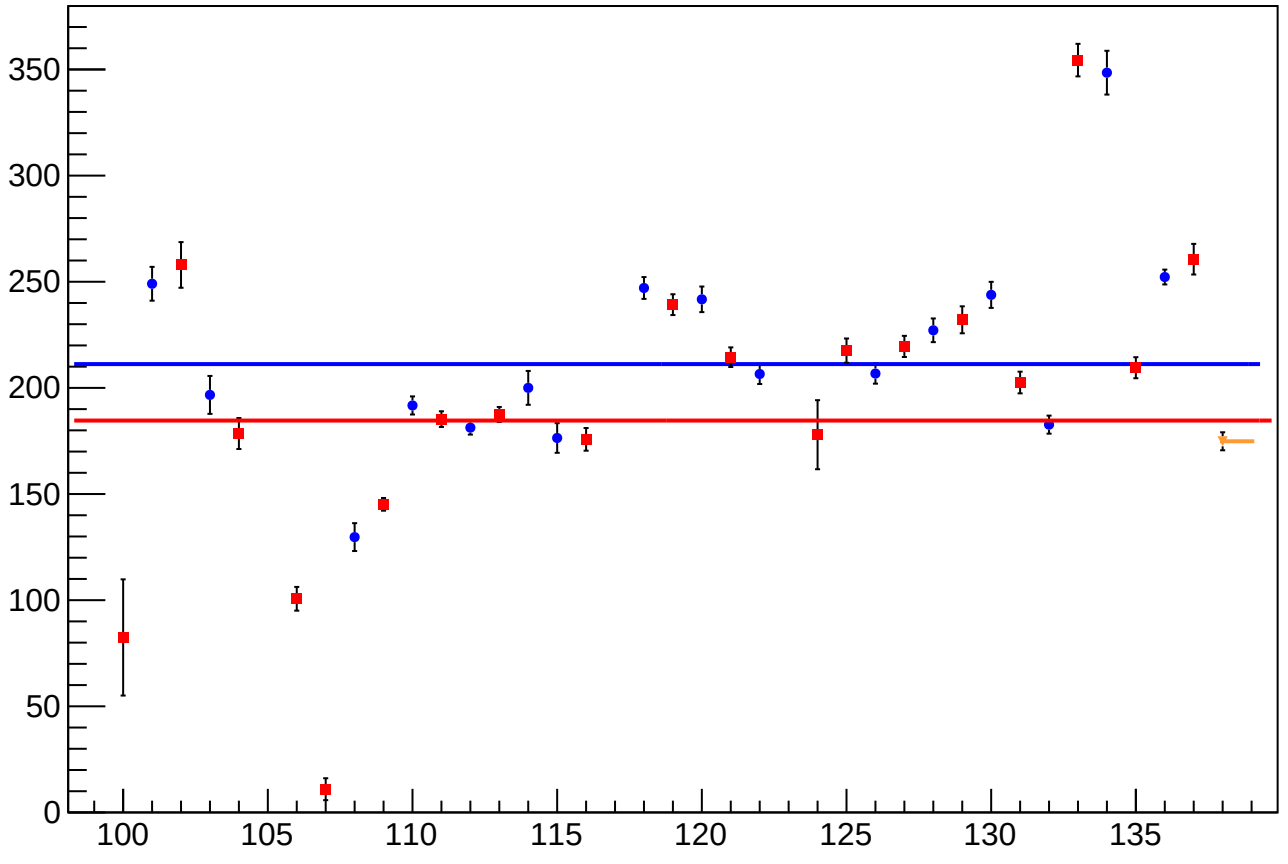
Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 47.137+/-1.668 χ^2/NDF:385.3/15

Out: 42.791+/-1.535 χ^2/NDF:488.3/19

All: 44.785+/-1.130 χ^2/NDF: 877.3/35


reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
105
110
115
120
125
130
135
Right In: -58.956+/-0.073 χ²/NDF: 1227079.0/15
Left Out: -148.013+/-0.210 χ²/NDF:0.0/0
Right Out: -57.497+/-0.074 χ²/NDF: 871305.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -148.013+/-0.210 χ²/NDF: 0.0/0
Right: -58.243+/-0.052 χ²/NDF: 2098582.3/34
In: -58.956+/-0.073 χ²/NDF:1227079.0/15
Out: -67.570+/-0.070 χ²/NDF:1036651.1/19
All: -63.420+/-0.050 χ²/NDF: 2271025.2/35



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 174.847+/-4.242 χ^2/NDF:0.0/0

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

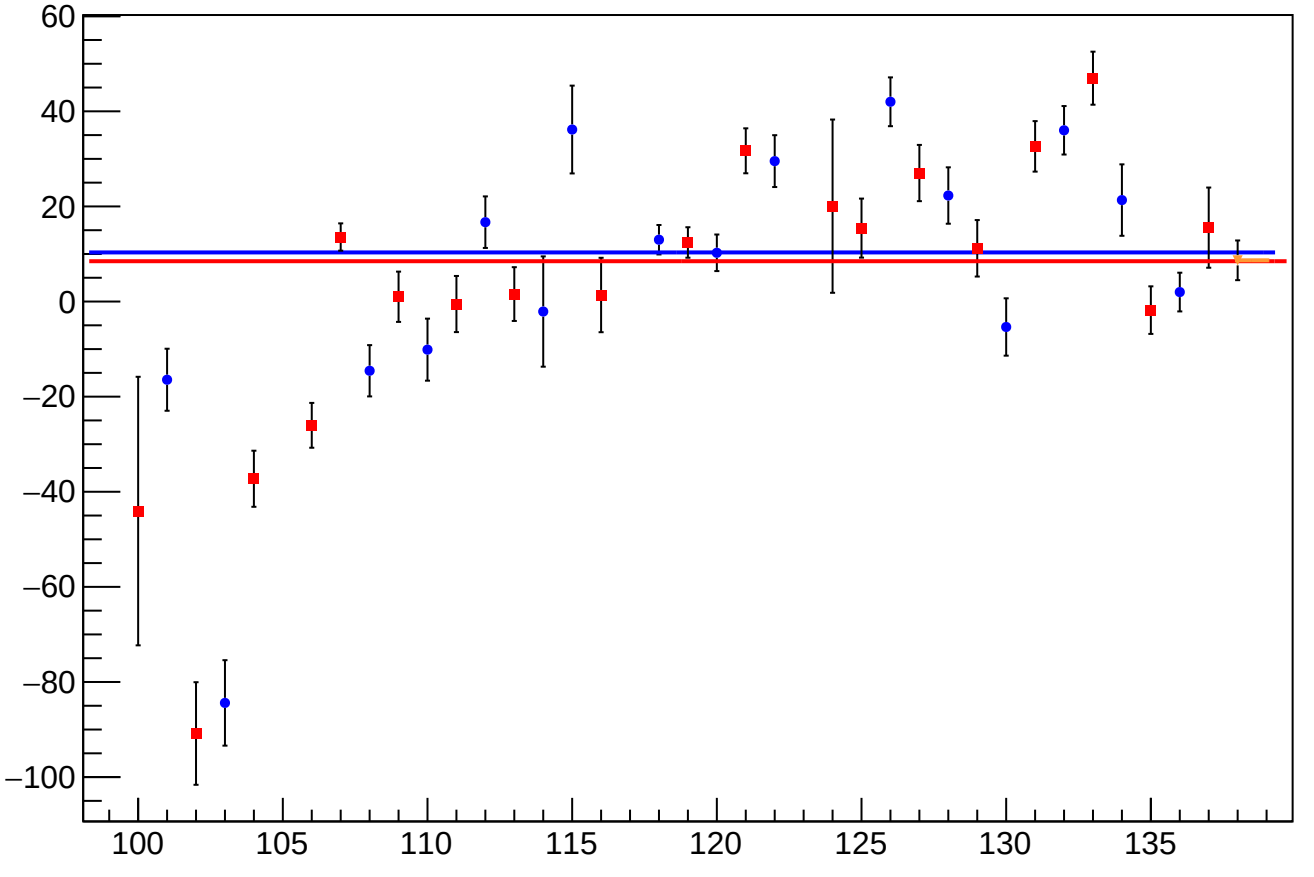
Left: 174.847+/-4.242 χ^2/NDF: 0.0/0

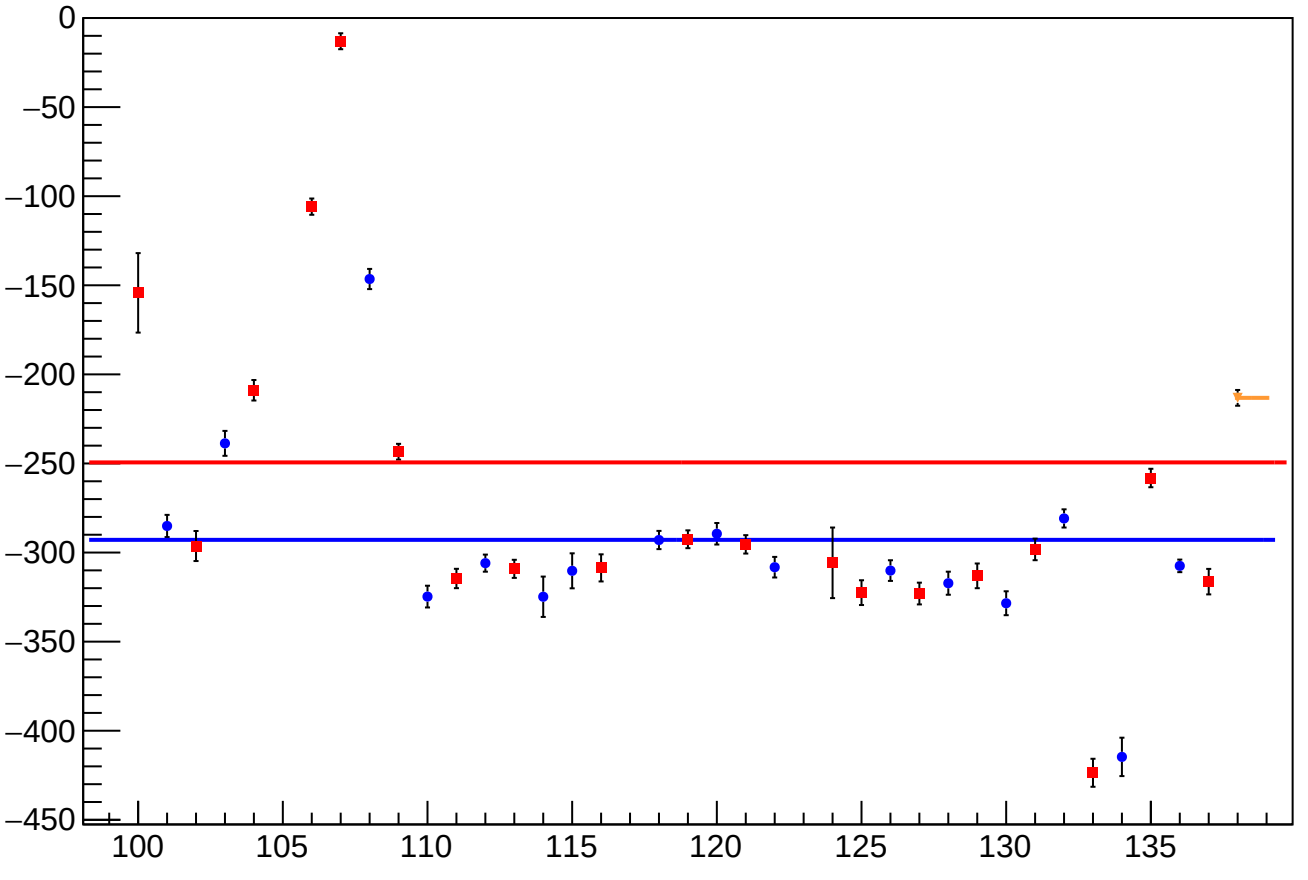
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 211.210+/-1.296 χ^2/NDF:783.0/15

Out: 183.897+/-1.149 χ^2/NDF:2545.3/19

All: 195.922+/-0.860 χ^2/NDF: 3576.9/35


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
105
110
115
120
125
130
135
Right In: 10.329+/-1.333 χ²/NDF: 263.3/15
Left Out: 8.668+/-4.174 χ²/NDF:0.0/0
Right Out: 8.480+/-1.225 χ²/NDF: 322.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 8.668+/-4.174 χ²/NDF: 0.0/0
Right: 9.326+/-0.902 χ²/NDF: 586.7/34
In: 10.329+/-1.333 χ²/NDF:263.3/15
Out: 8.495+/-1.175 χ²/NDF:322.3/19
All: 9.297+/-0.881 χ²/NDF: 586.7/35



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -213.176+/-4.426 χ^2/NDF:0.0/0

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

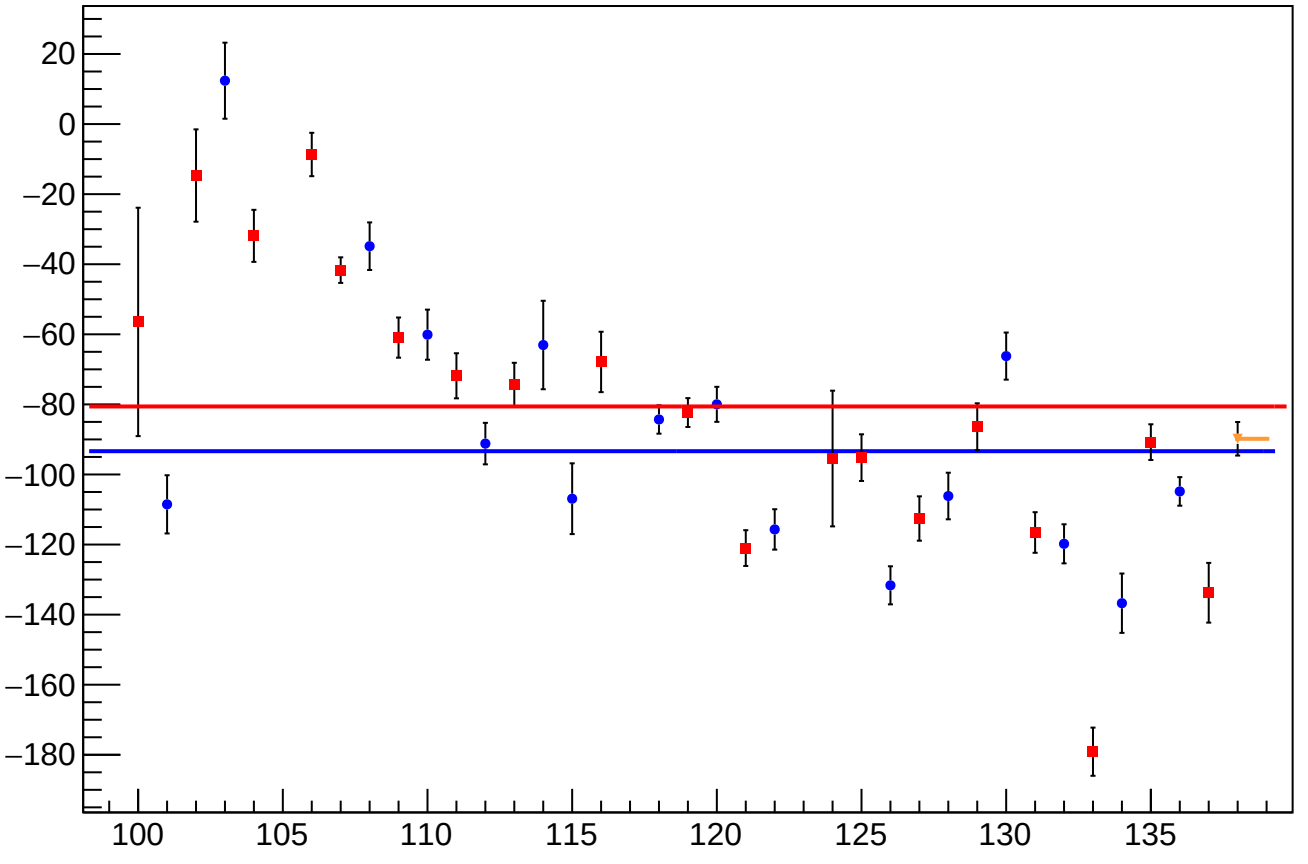
Left: -213.176+/-4.426 χ^2/NDF: 0.0/0

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -292.872+/-1.467 χ^2/NDF:983.5/15

Out: -246.244+/-1.308 χ^2/NDF:5429.6/19

All: -266.880+/-0.976 χ^2/NDF: 6975.9/35



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -89.816+/-4.787 χ^2/NDF:0.0/0

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

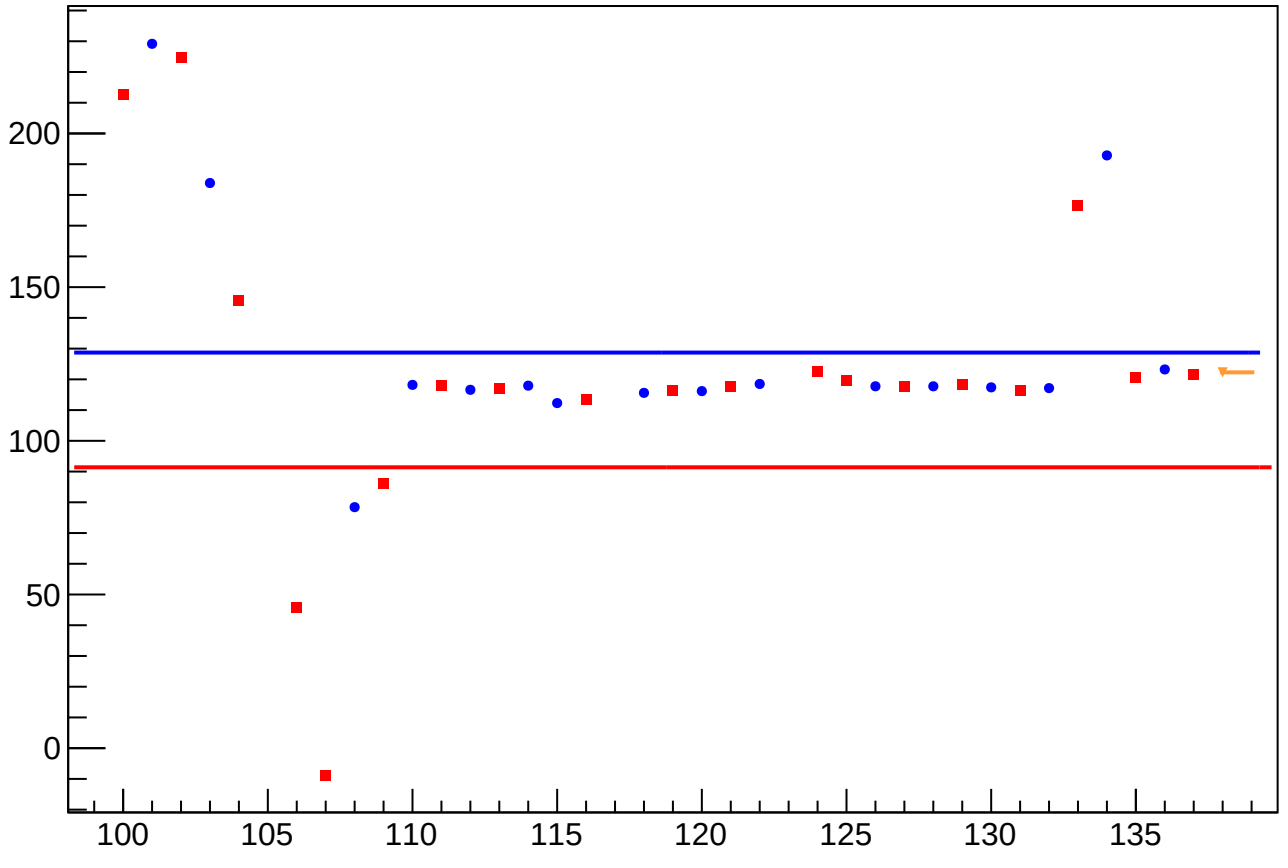
Left: -89.816+/-4.787 χ^2/NDF: 0.0/0

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -93.357+/-1.534 χ^2/NDF:355.3/15

Out: -81.342+/-1.365 χ^2/NDF:718.7/19

All: -86.649+/-1.020 χ^2/NDF: 1108.3/35



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 122.283+/-0.178 χ^2/NDF:0.0/0

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

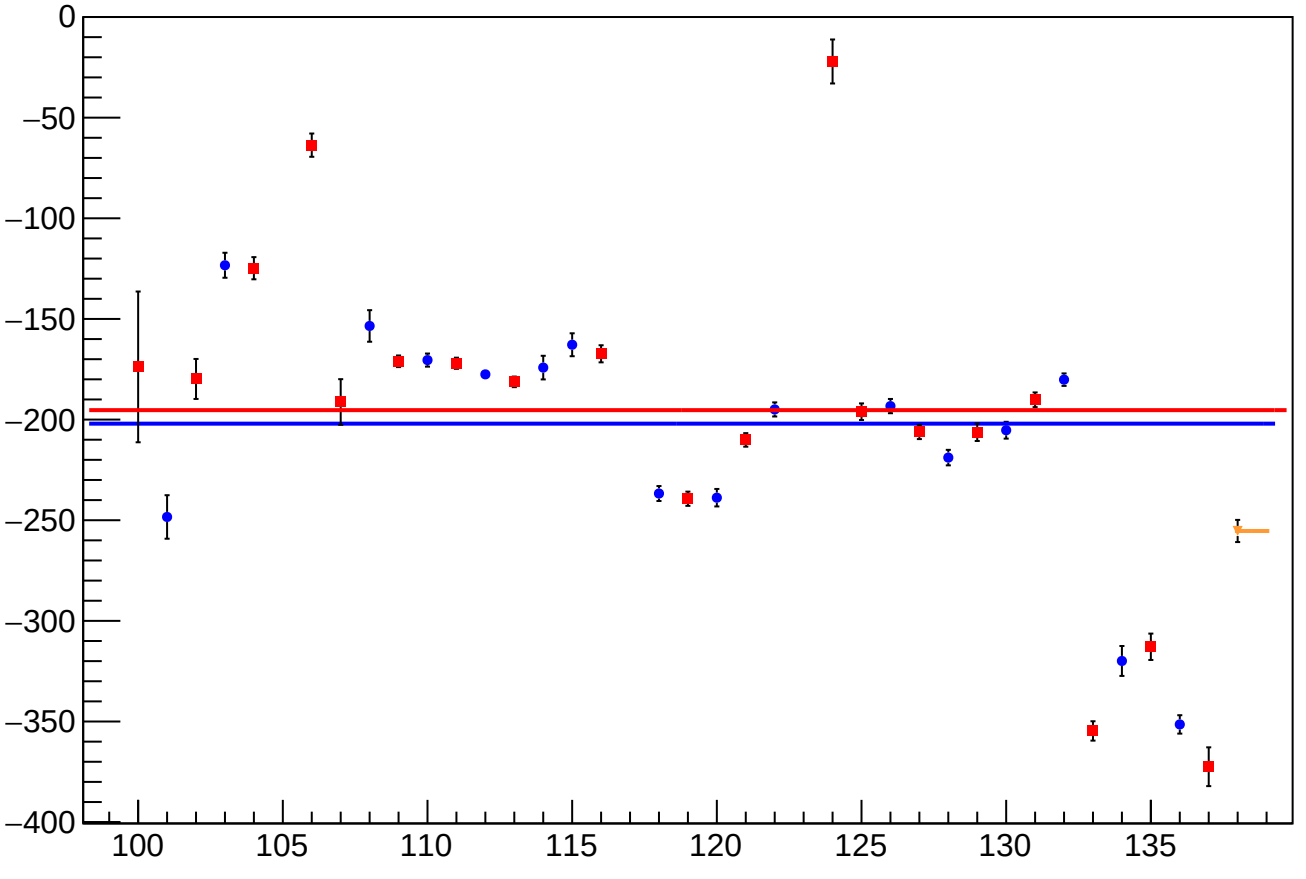
Left: 122.283+/-0.178 χ^2/NDF: 0.0/0

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 128.715+/-0.089 χ^2/NDF:183522.8/15

Out: 96.482+/-0.072 χ^2/NDF:630108.5/19

All: 109.261+/-0.056 χ^2/NDF: 892551.9/35



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -255.343+/-5.507 χ^2/NDF:0.0/0

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -255.343+/-5.507 χ^2/NDF: 0.0/0

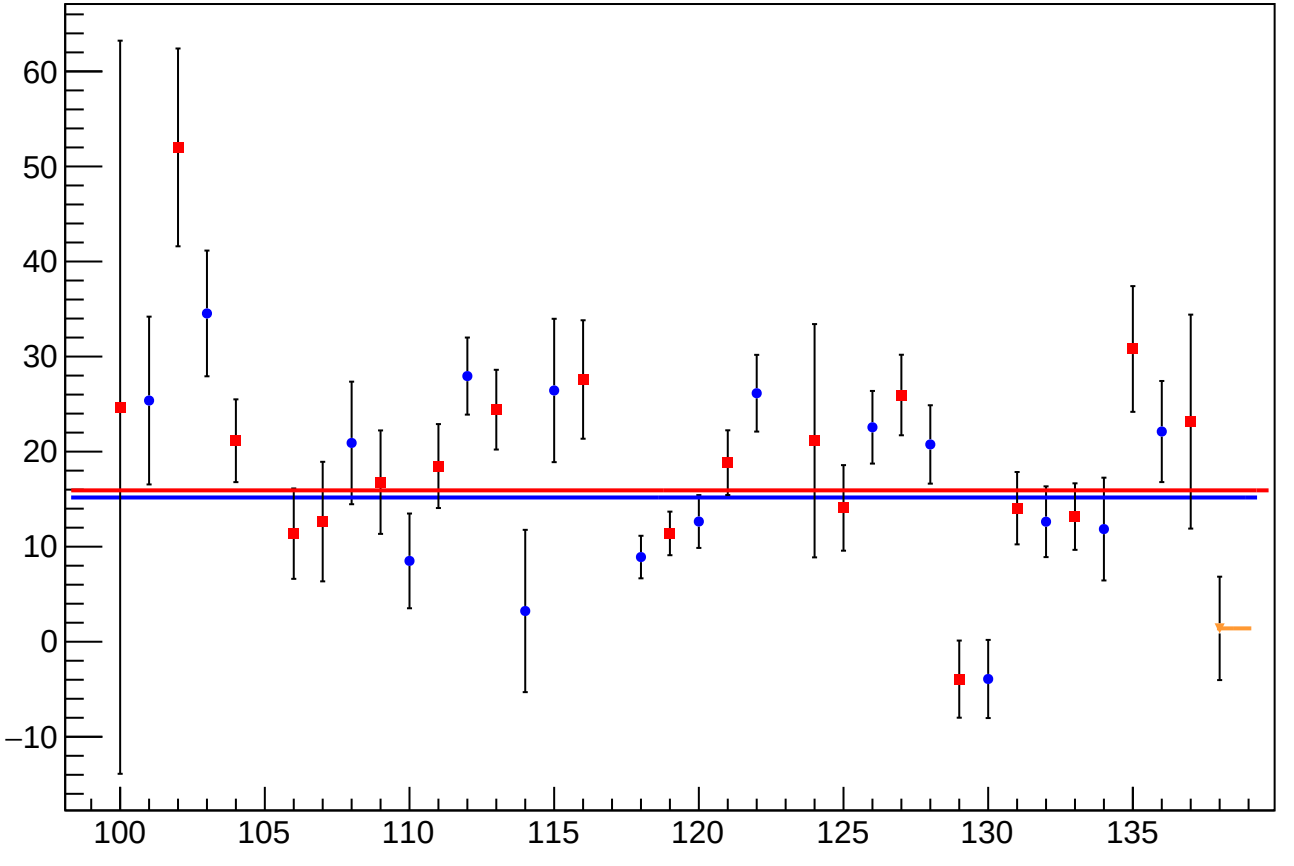
Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -202.020+/-1.024 χ^2/NDF:2040.4/15

Out: -197.132+/-0.959 χ^2/NDF:3215.9/19

All: -199.416+/-0.700 χ^2/NDF: 5268.4/35

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: 1.404+/-5.439 χ^2/NDF:0.0/0

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.404+/-5.439 χ^2/NDF: 0.0/0

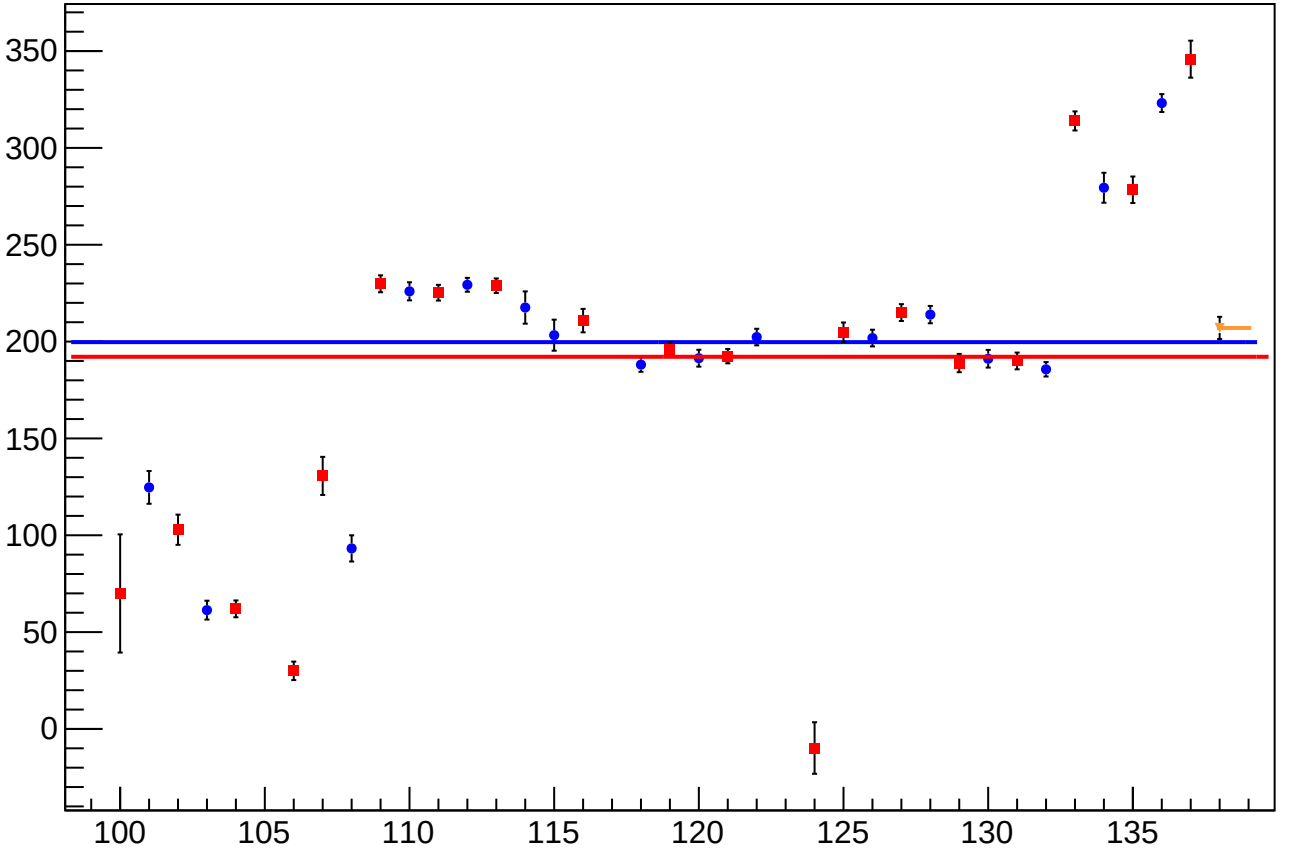
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 15.175+/-1.048 χ^2/NDF:72.3/15

Out: 15.416+/-1.018 χ^2/NDF:70.4/19

All: 15.299+/-0.730 χ^2/NDF: 142.8/35

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: 207.030+/-5.746 χ^2/NDF:0.0/0

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

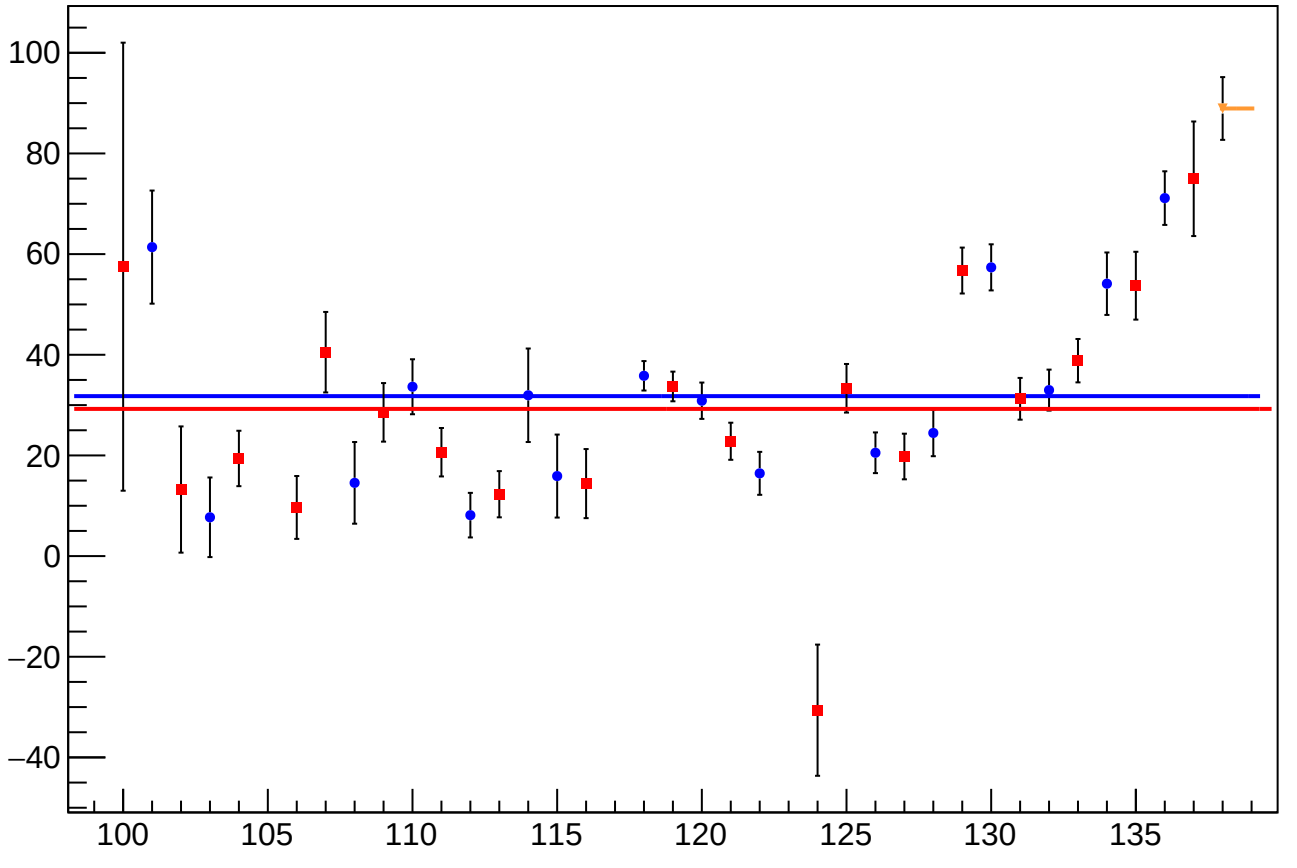
Left: 207.030+/-5.746 χ^2/NDF: 0.0/0

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 199.722+/-1.196 χ^2/NDF:2101.6/15

Out: 192.729+/-1.128 χ^2/NDF:3783.6/19

All: 196.022+/-0.821 χ^2/NDF: 5903.3/35



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 88.934+/-6.234 χ^2/NDF:0.0/0

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

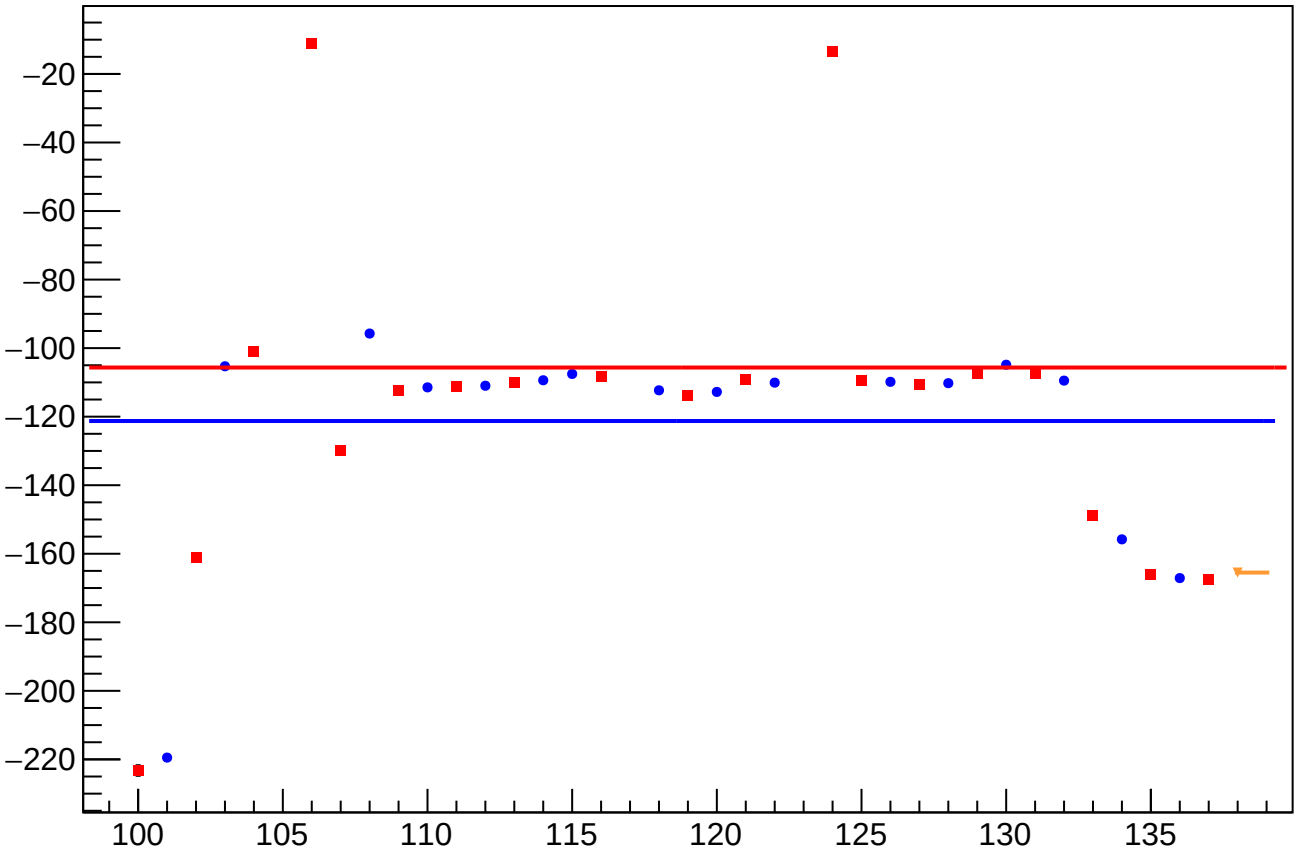
Left: 88.934+/-6.234 χ^2/NDF: 0.0/0

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 31.782+/-1.217 χ^2/NDF:177.0/15

Out: 31.366+/-1.175 χ^2/NDF:229.3/19

All: 31.567+/-0.845 χ^2/NDF: 406.4/35



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -165.490+/-0.231 χ^2/NDF:0.0/0

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

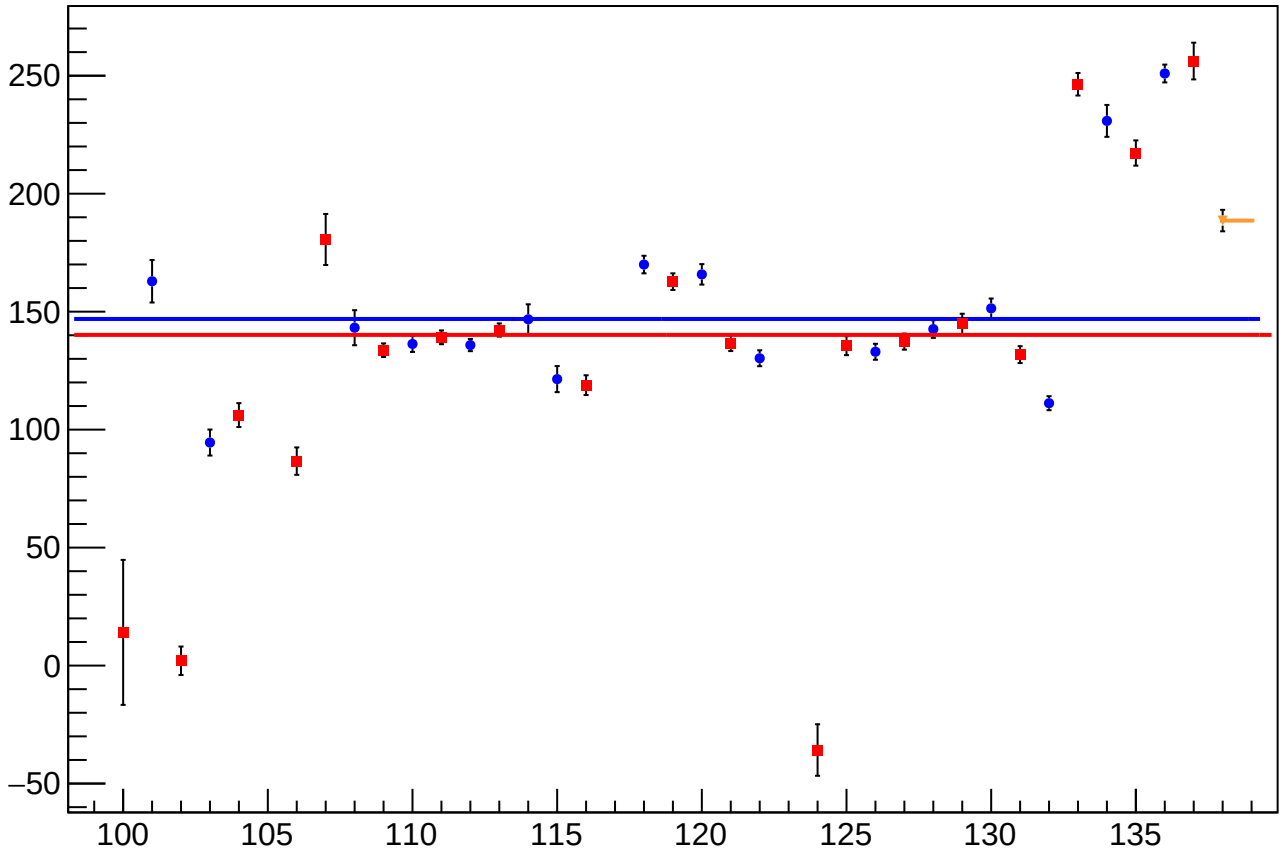
Left: -165.490+/-0.231 χ^2/NDF: 0.0/0

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -121.268+/-0.079 χ^2/NDF:119398.5/15

Out: -111.340+/-0.071 χ^2/NDF:415983.3/19

All: -115.767+/-0.053 χ^2/NDF: 544084.1/35



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 188.603+/-4.555 χ^2/NDF:0.0/0

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

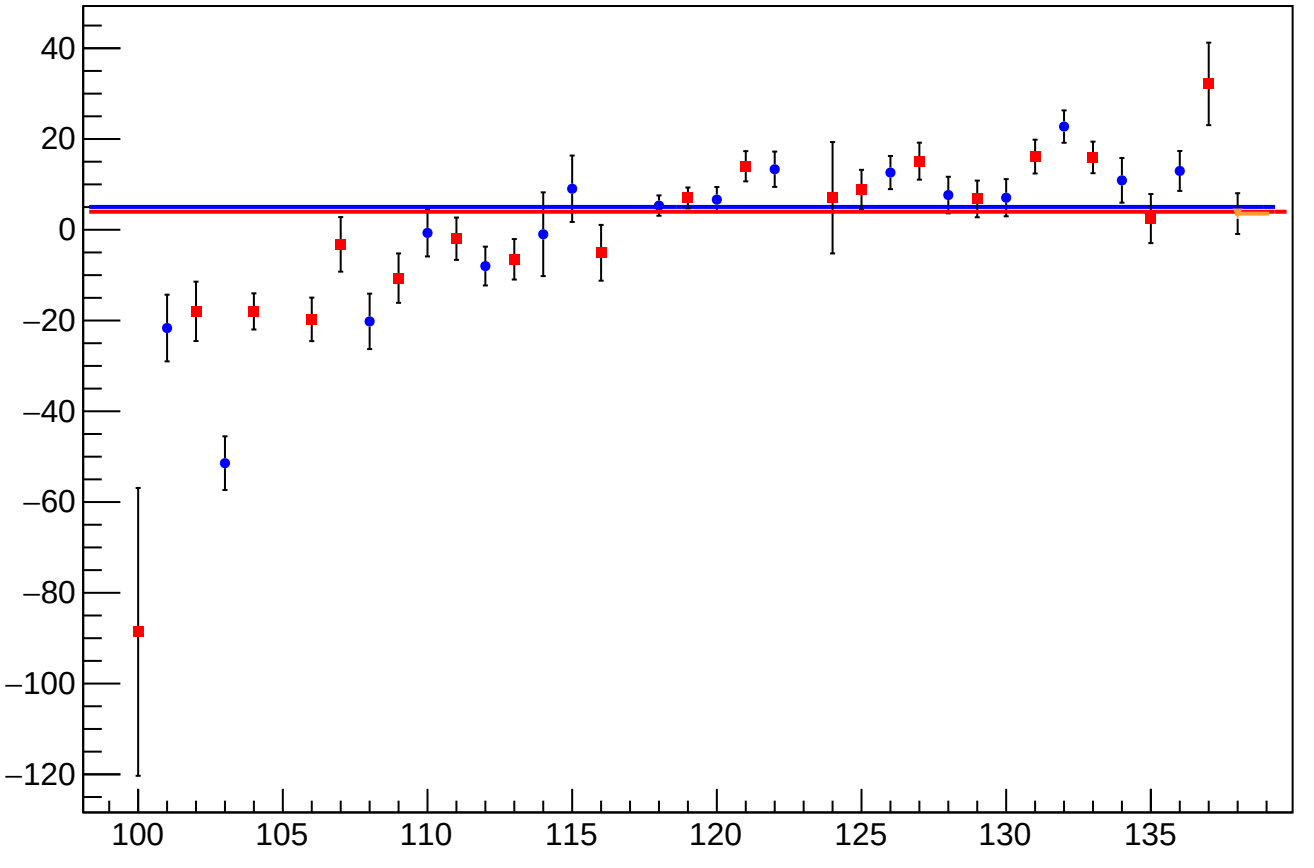
Left: 188.603+/-4.555 χ^2/NDF: 0.0/0

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 146.905+/-1.003 χ^2/NDF:1302.0/15

Out: 142.214+/-0.939 χ^2/NDF:2058.9/19

All: 144.405+/-0.686 χ^2/NDF: 3372.6/35



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 3.559+/-4.493 χ^2/NDF:0.0/0

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

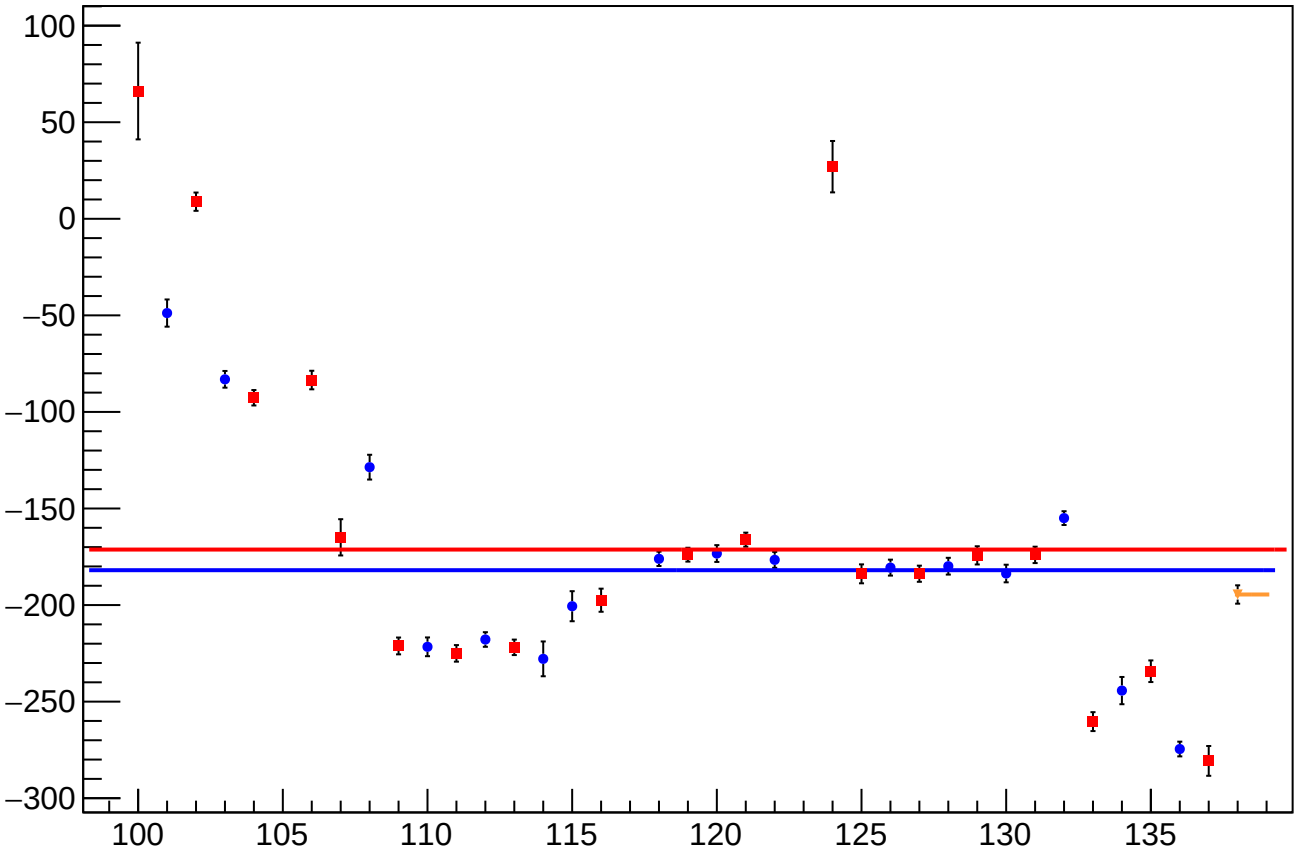
Left: 3.559+/-4.493 χ^2/NDF: 0.0/0

Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 5.037+/-1.021 χ^2/NDF:171.9/15

Out: 3.954+/-0.987 χ^2/NDF:144.9/19

All: 4.477+/-0.710 χ^2/NDF: 317.3/35



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -194.526+/-4.753 χ^2/NDF:0.0/0

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

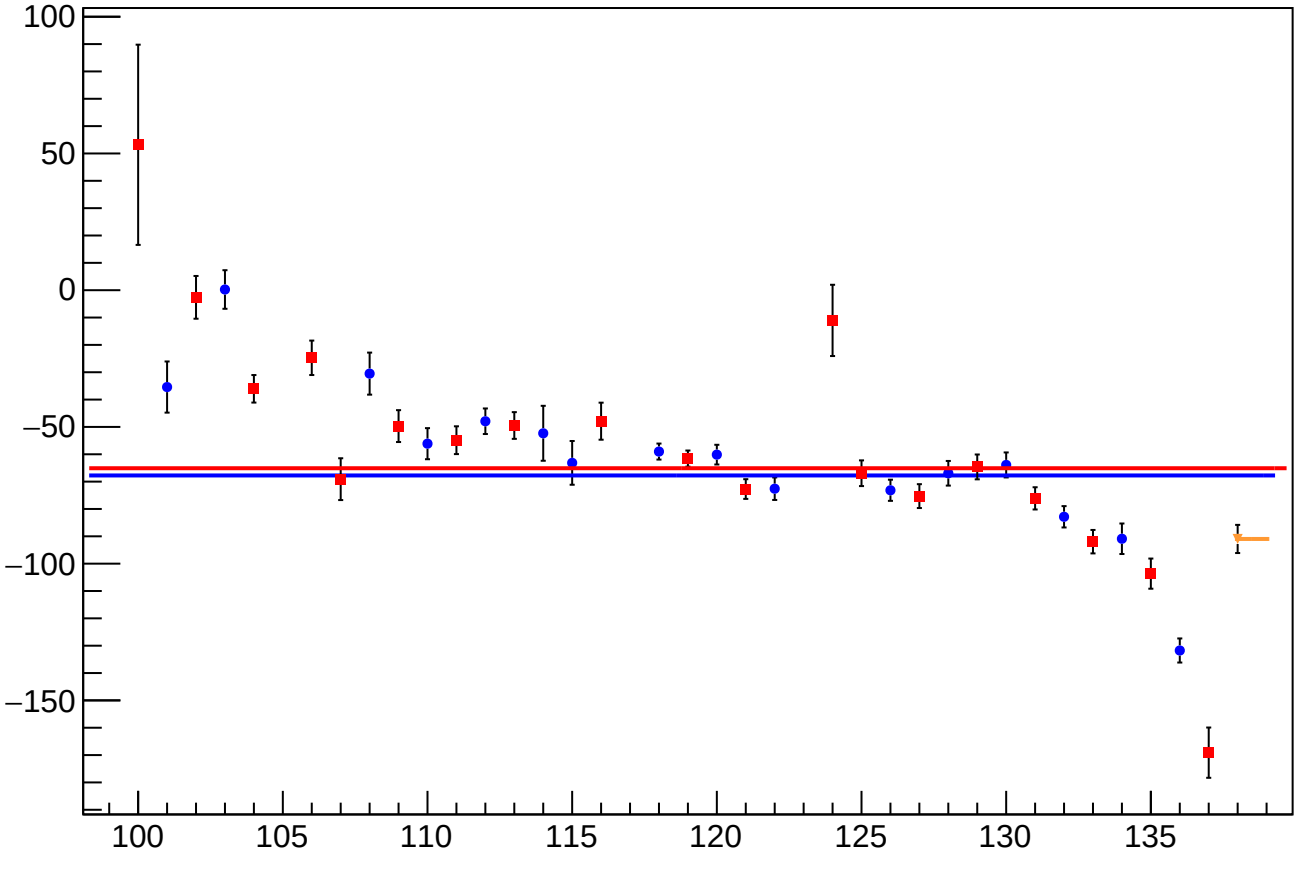
Left: -194.526+/-4.753 χ^2/NDF: 0.0/0

Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -181.947+/-1.154 χ^2/NDF:1870.4/15

Out: -172.467+/-1.082 χ^2/NDF:3650.9/19

All: -176.902+/-0.789 χ^2/NDF: 5557.2/35



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -90.968+/-5.150 χ^2/NDF:0.0/0

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

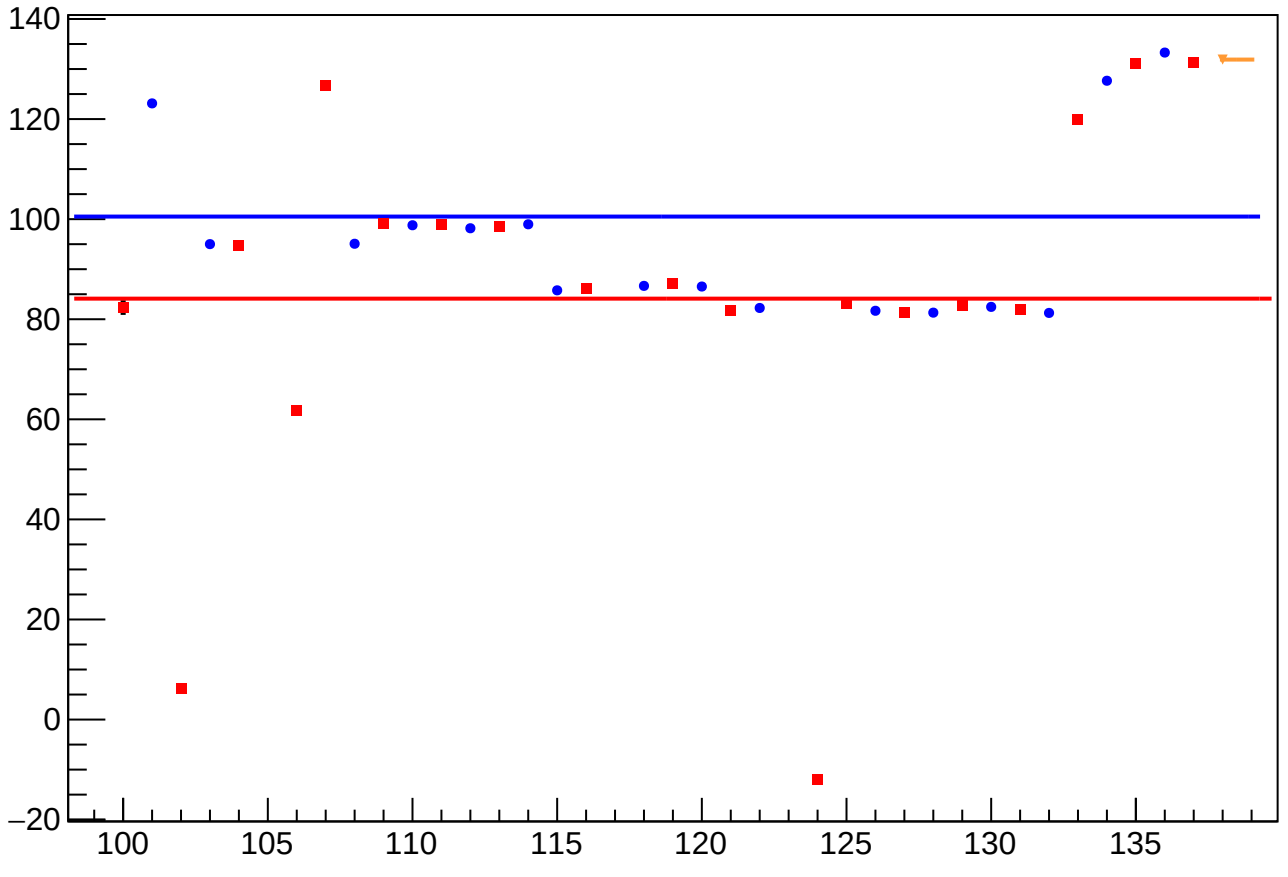
Left: -90.968+/-5.150 χ^2/NDF: 0.0/0

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -67.745+/-1.181 χ^2/NDF:414.0/15

Out: -66.367+/-1.138 χ^2/NDF:453.0/19

All: -67.031+/-0.819 χ^2/NDF: 867.8/35



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 131.889+/-0.191 χ^2/NDF:0.0/0

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 131.889+/-0.191 χ^2/NDF: 0.0/0

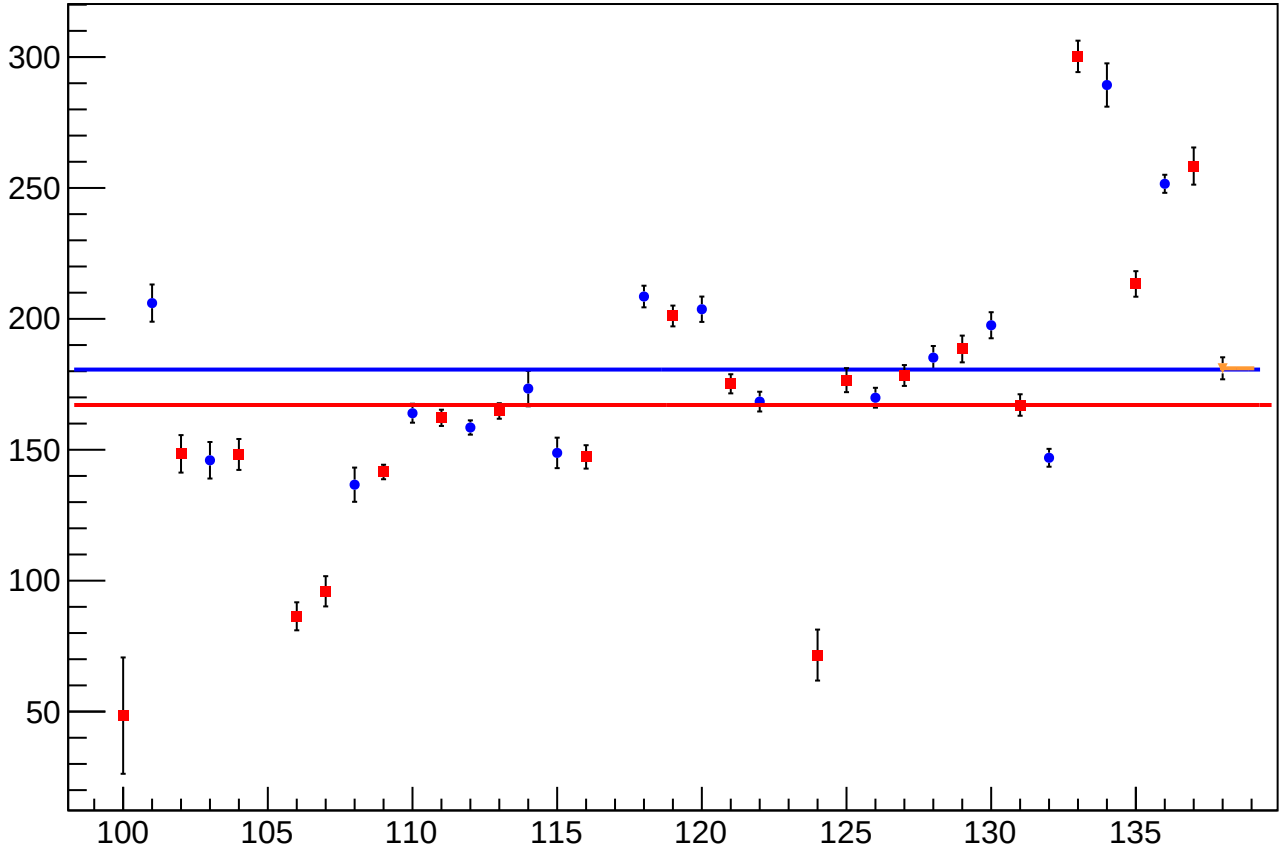
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 100.517+/-0.074 χ^2/NDF:67464.8/15

Out: 89.667+/-0.065 χ^2/NDF:319152.5/19

All: 94.400+/-0.049 χ^2/NDF: 398749.5/35

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: 181.117+/-4.206 χ^2/NDF:0.0/0

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 181.117+/-4.206 χ^2/NDF: 0.0/0

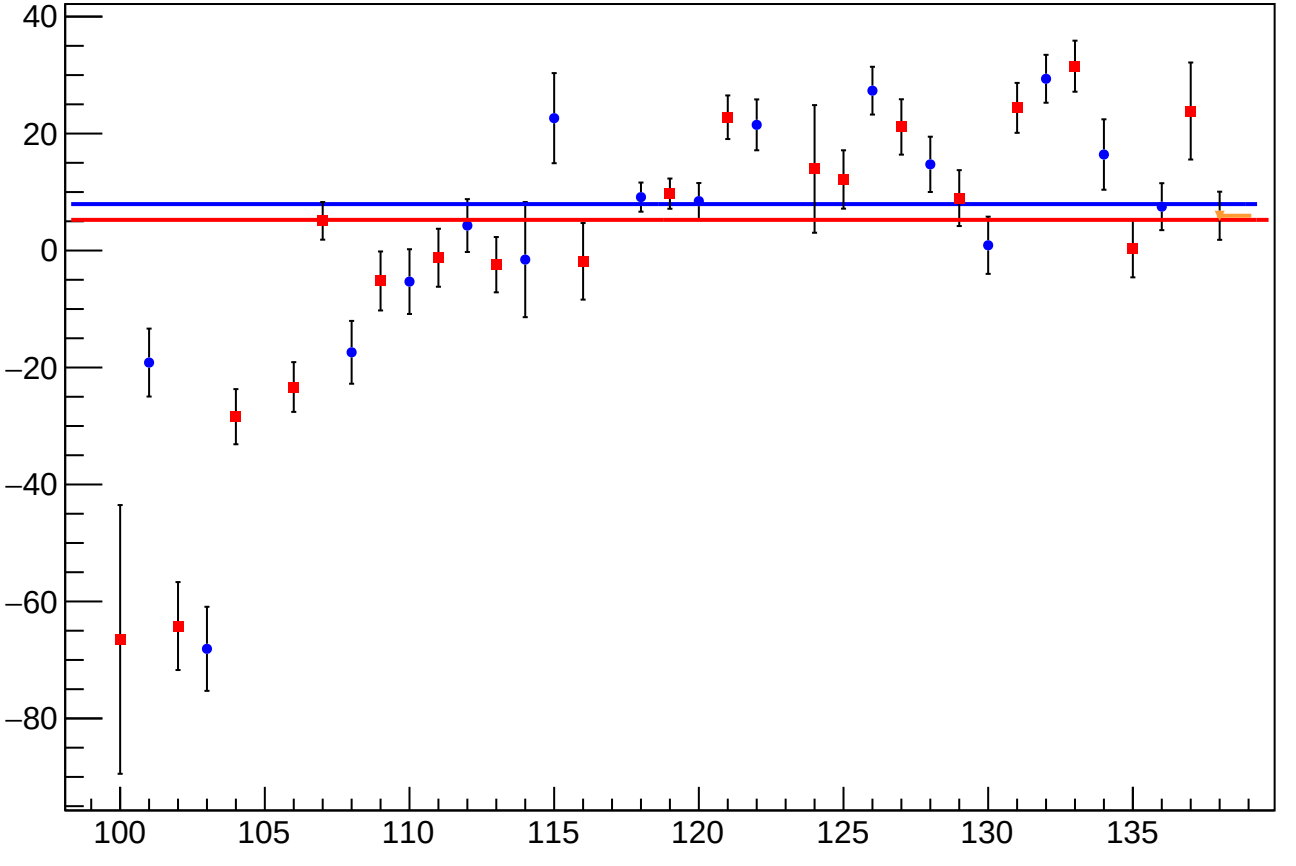
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 180.634+/-1.090 χ^2/NDF:993.4/15

Out: 167.881+/-0.992 χ^2/NDF:1495.0/19

All: 173.661+/-0.734 χ^2/NDF: 2563.4/35

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: 5.948+/-4.114 χ^2/NDF:0.0/0

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

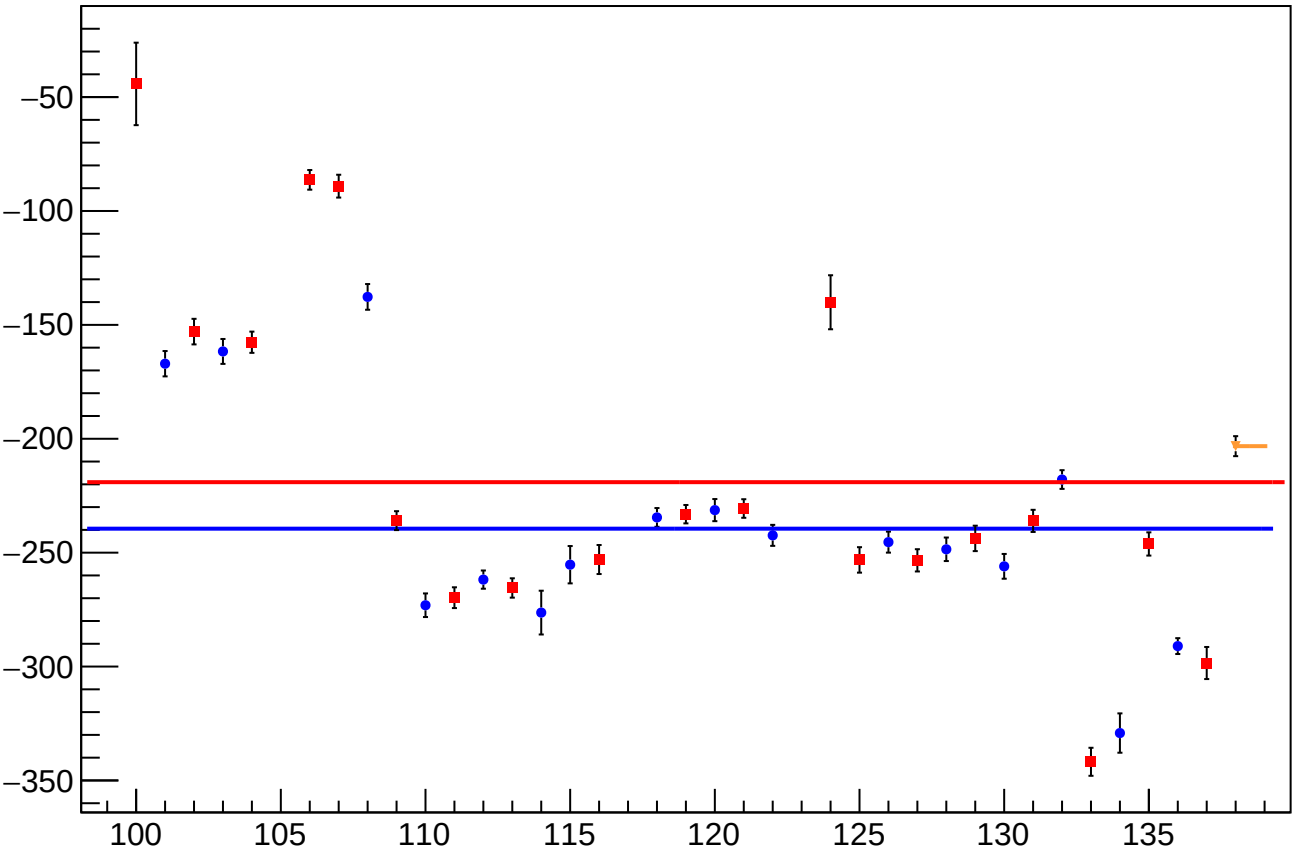
Left: 5.948+/-4.114 χ^2/NDF: 0.0/0

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 7.942+/-1.113 χ^2/NDF:232.9/15

Out: 5.288+/-1.028 χ^2/NDF:303.0/19

All: 6.510+/-0.755 χ^2/NDF: 538.9/35



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -203.244+/-4.388 χ^2/NDF:0.0/0

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

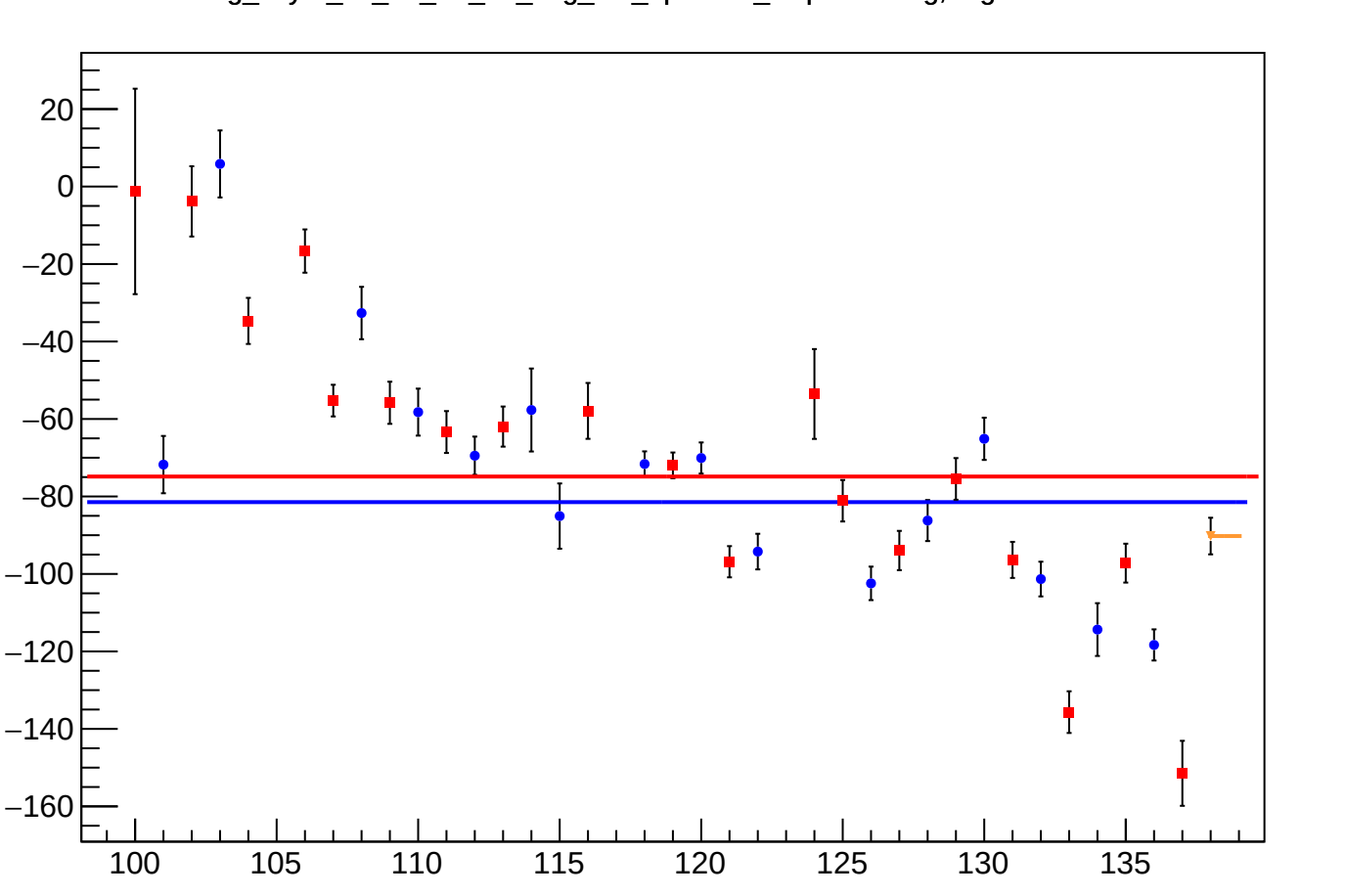
Left: -203.244+/-4.388 χ^2/NDF: 0.0/0

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.468+/-1.245 χ^2/NDF:1162.2/15

Out: -217.993+/-1.136 χ^2/NDF:3061.4/19

All: -227.748+/-0.839 χ^2/NDF: 4385.9/35



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -90.221+/-4.727 χ^2/NDF:0.0/0

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

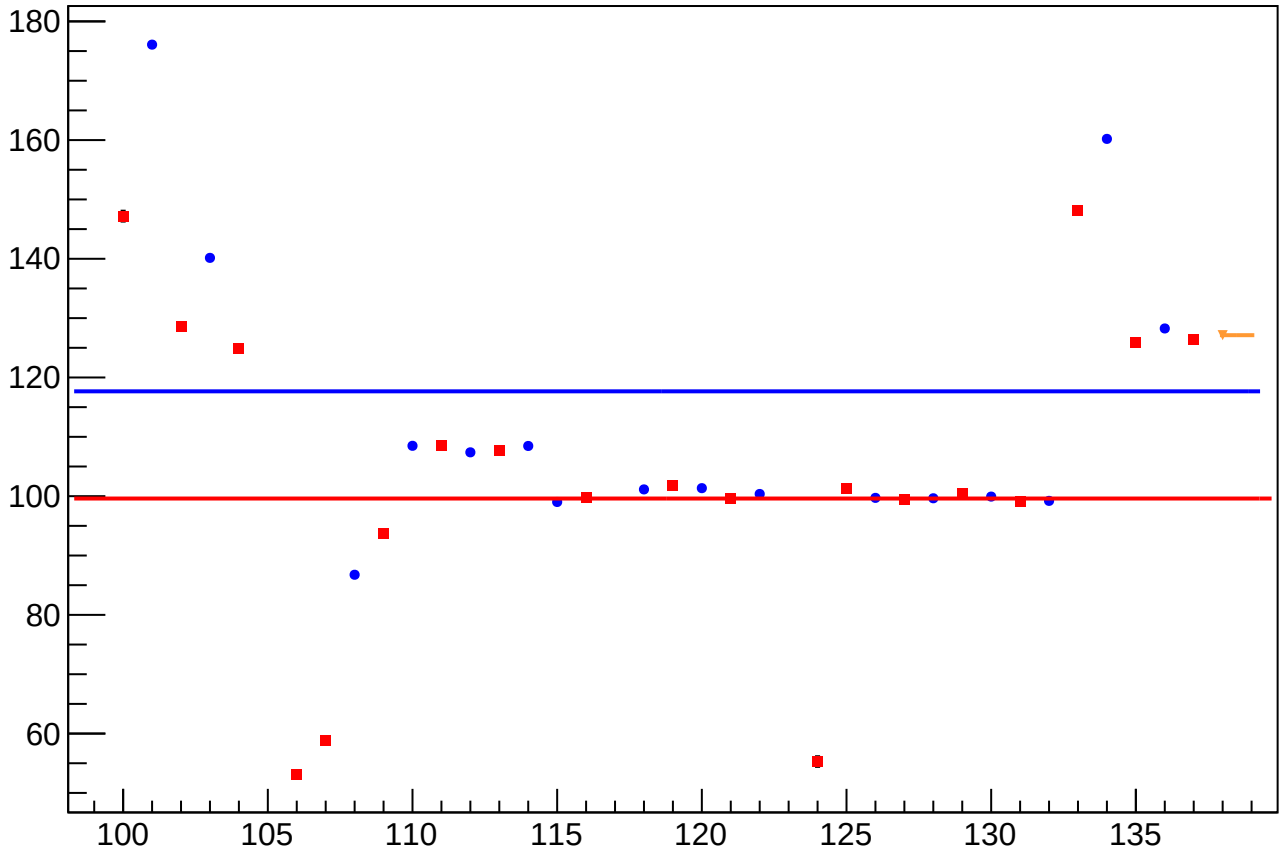
Left: -90.221+/-4.727 χ^2/NDF: 0.0/0

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -81.462+/-1.287 χ^2/NDF:366.5/15

Out: -75.835+/-1.190 χ^2/NDF:586.5/19

All: -78.430+/-0.874 χ^2/NDF: 963.3/35



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 127.128+/-0.177 χ^2/NDF:0.0/0

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

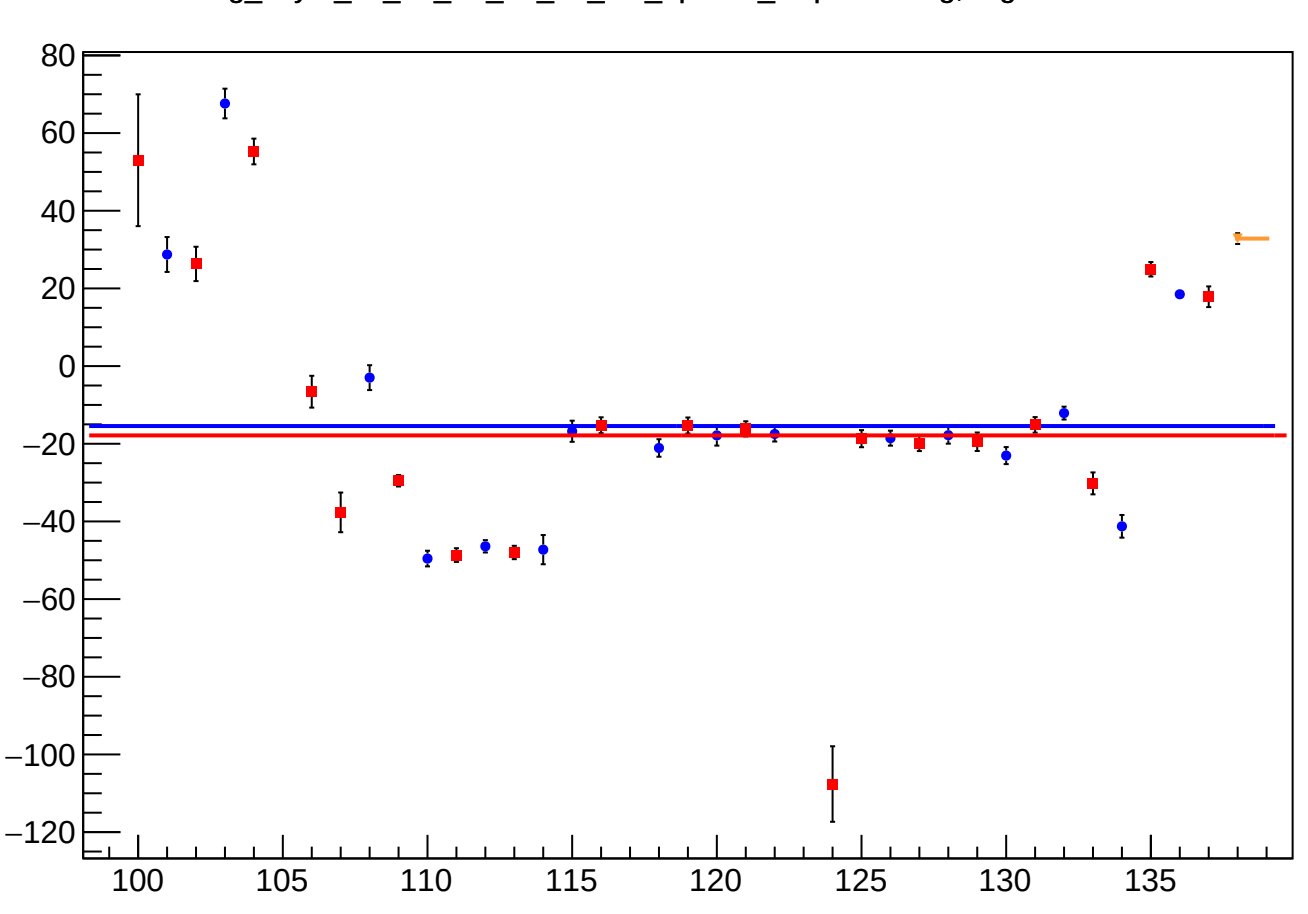
Left: 127.128+/-0.177 χ^2/NDF: 0.0/0

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 117.666+/-0.078 χ^2/NDF:95397.2/15

Out: 103.364+/-0.065 χ^2/NDF:187172.7/19

All: 109.237+/-0.050 χ^2/NDF: 302255.0/35



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 32.837+/-1.385 χ^2/NDF:0.0/0

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 32.837+/-1.385 χ^2/NDF: 0.0/0

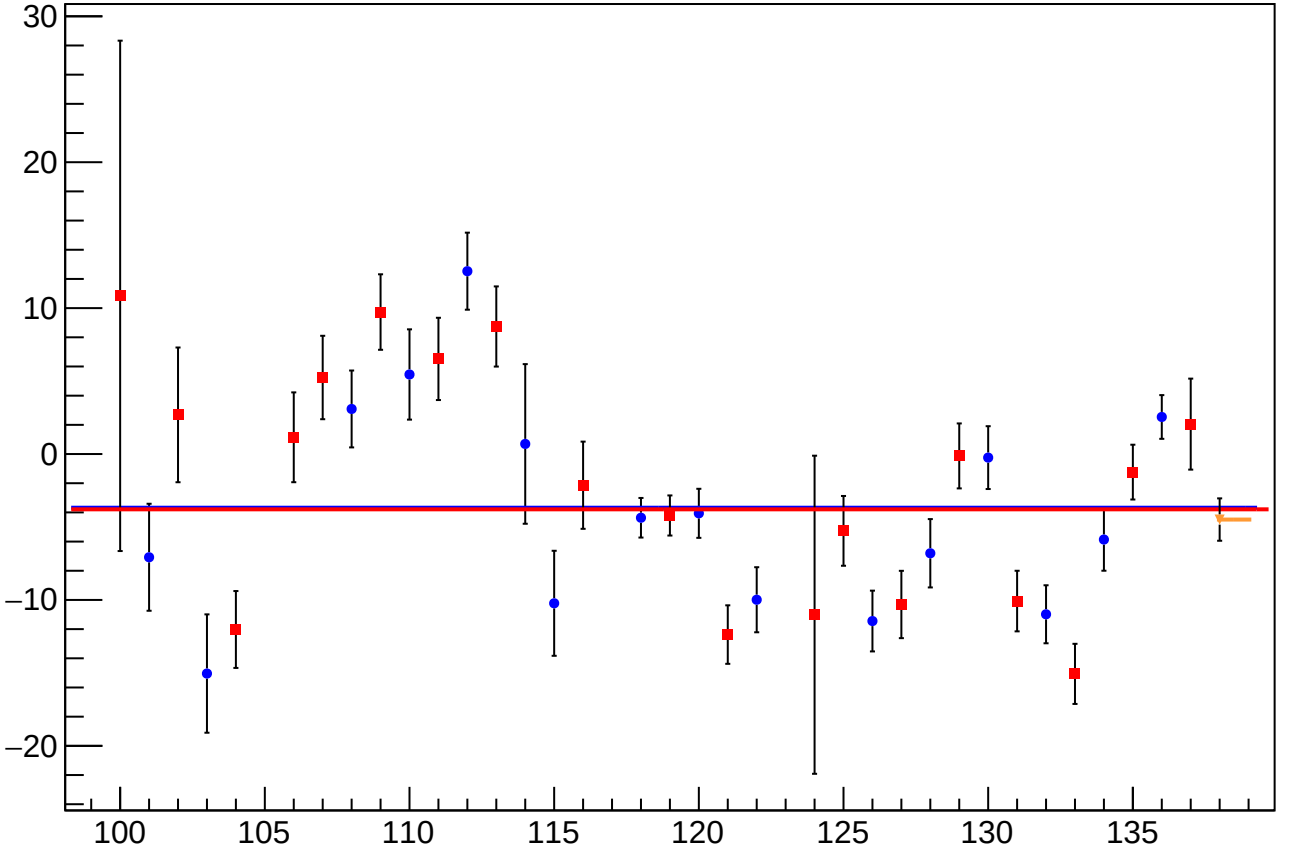
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: -15.438+/-0.539 χ^2/NDF:2124.2/15

Out: -11.384+/-0.495 χ^2/NDF:3293.1/19

All: -13.238+/-0.364 χ^2/NDF: 5448.0/35

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: -4.491+/-1.452 χ^2/NDF:0.0/0

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

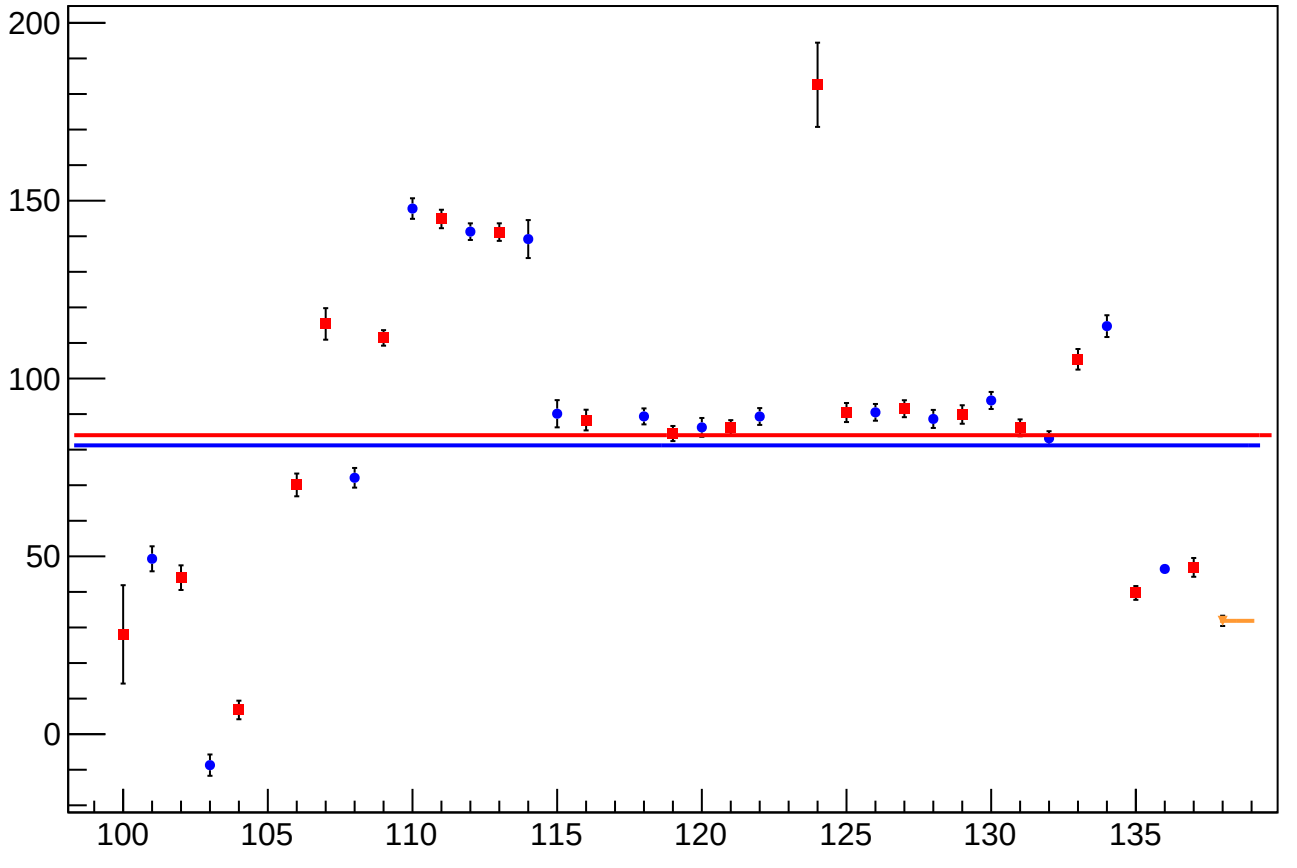
Left: -4.491+/-1.452 χ^2/NDF: 0.0/0

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.679+/-0.552 χ^2/NDF:124.0/15

Out: -3.882+/-0.526 χ^2/NDF:161.4/19

All: -3.786+/-0.381 χ^2/NDF: 285.5/35



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 31.867+/-1.446 χ^2/NDF:0.0/0

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

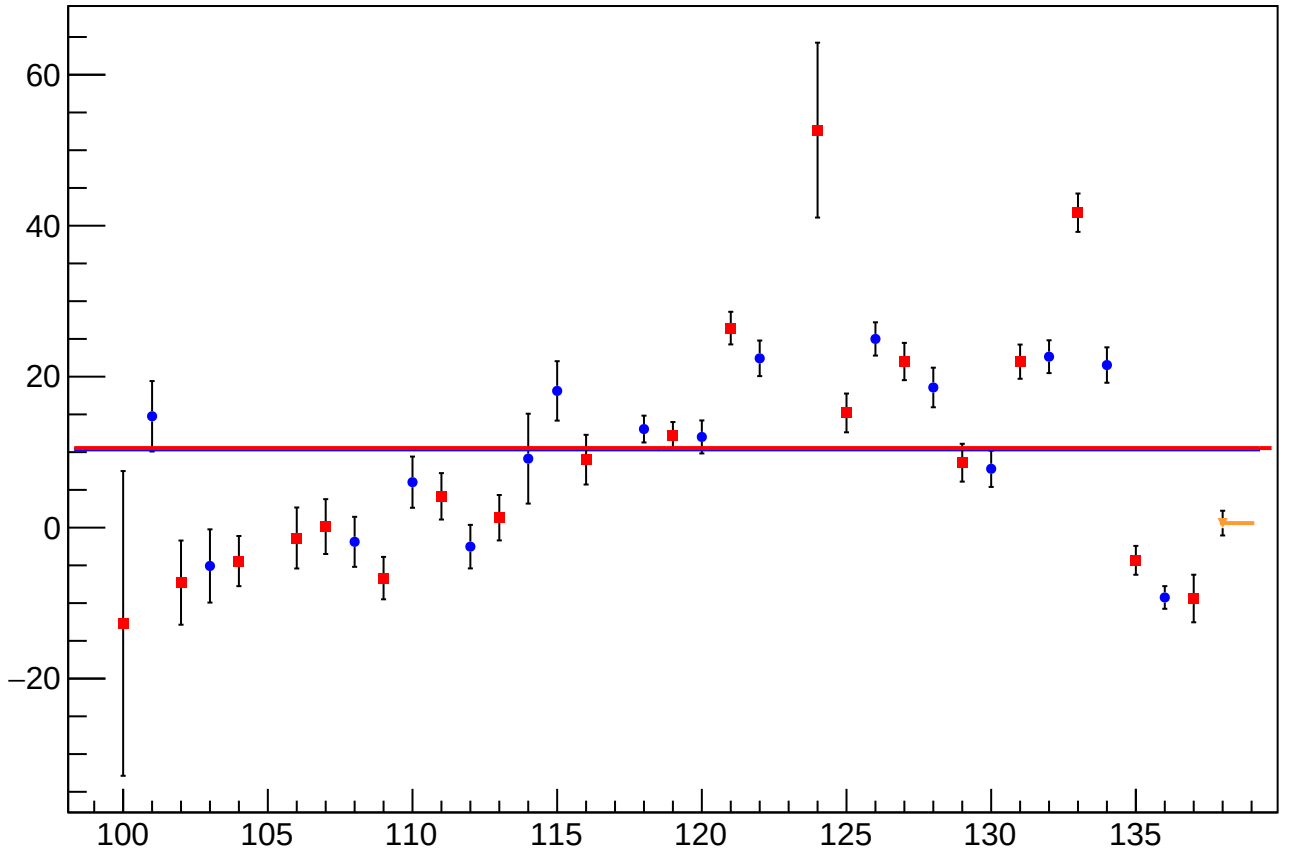
Left: 31.867+/-1.446 χ^2/NDF: 0.0/0

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 81.203+/-0.607 χ^2/NDF:3230.5/15

Out: 76.045+/-0.567 χ^2/NDF:4308.8/19

All: 78.448+/-0.414 χ^2/NDF: 7577.9/35



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 0.600+/-1.636 χ^2/NDF:0.0/0

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.600+/-1.636 χ^2/NDF: 0.0/0

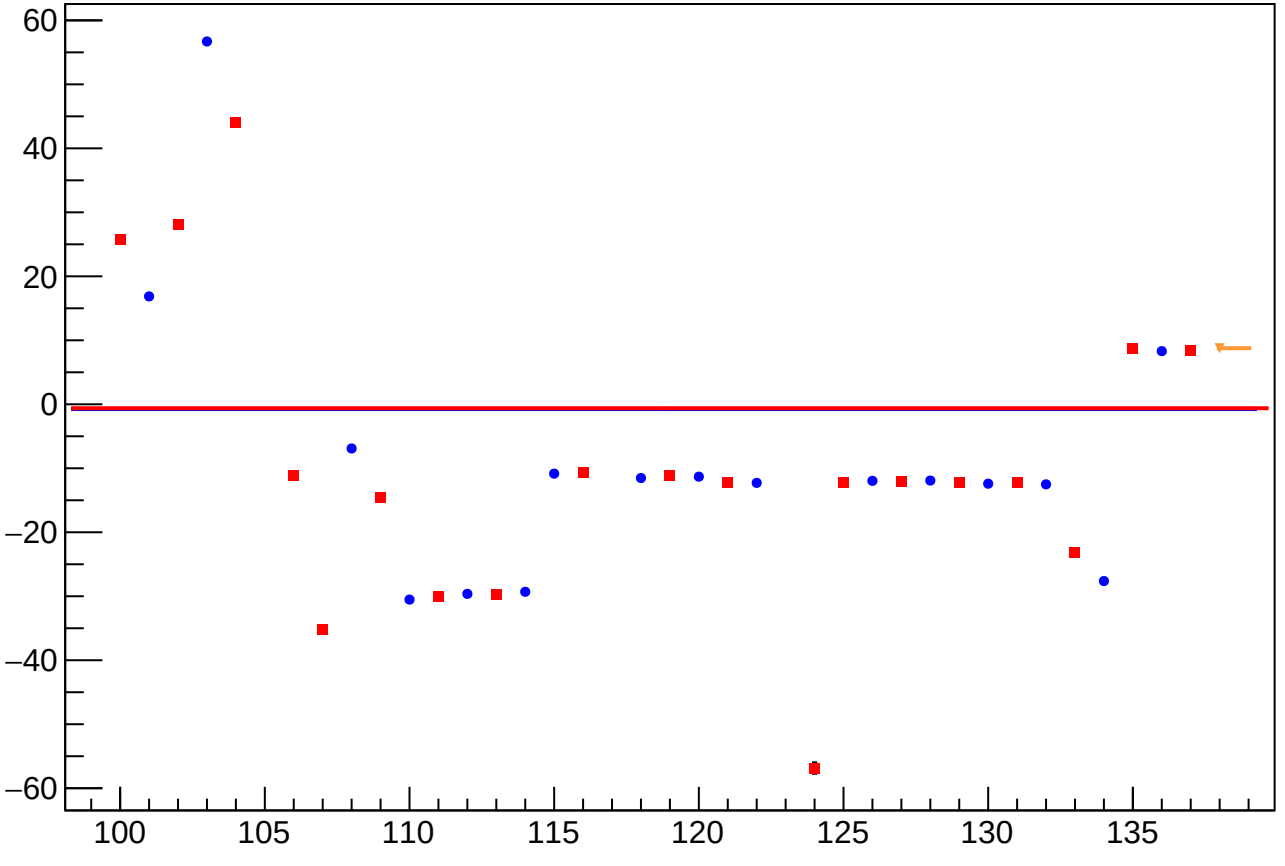
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 10.367+/-0.627 χ^2/NDF:359.8/15

Out: 9.220+/-0.596 χ^2/NDF:502.7/19

All: 9.765+/-0.432 χ^2/NDF: 864.3/35

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 8.761+/-0.057 χ^2/NDF:0.0/0

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

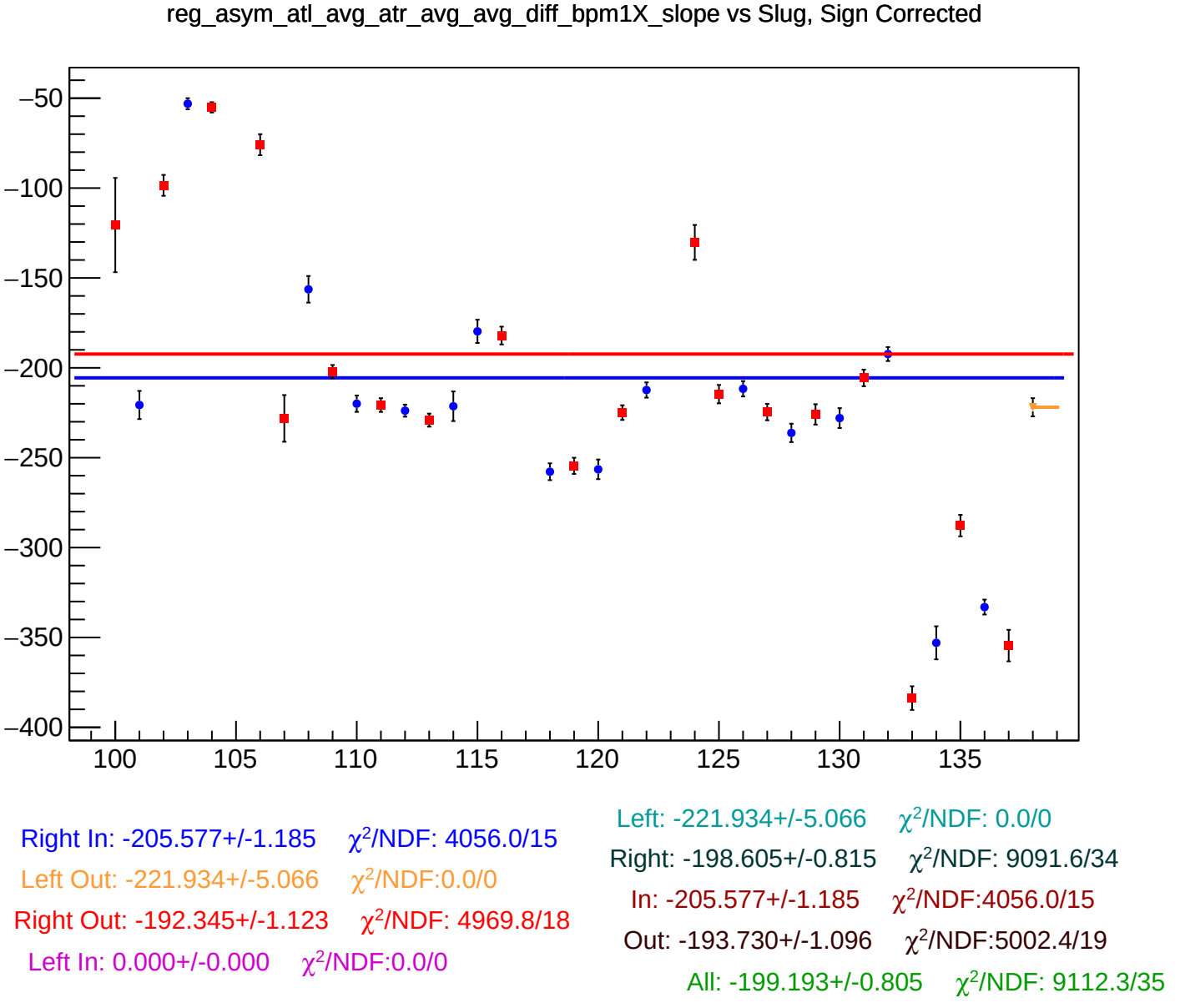
Left: 8.761+/-0.057 χ^2/NDF: 0.0/0

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

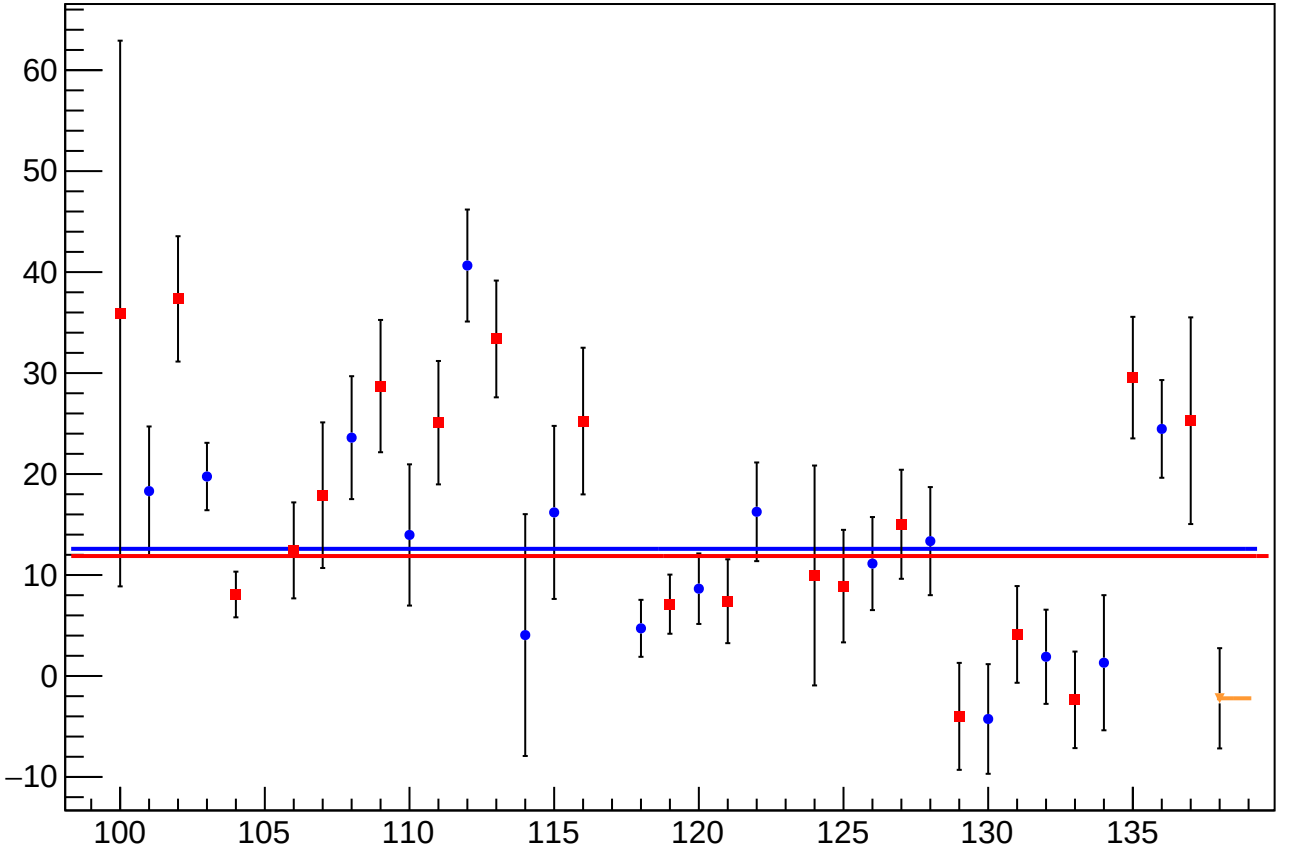
In: -0.745+/-0.036 χ^2/NDF:367993.9/15

Out: 2.199+/-0.031 χ^2/NDF:335452.2/19

All: 0.930+/-0.024 χ^2/NDF: 707277.6/35


reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
105
110
115
120
125
130
135
Right In: -205.577+/-1.185 χ²/NDF: 4056.0/15
Left Out: -221.934+/-5.066 χ²/NDF:0.0/0
Right Out: -192.345+/-1.123 χ²/NDF: 4969.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -221.934+/-5.066 χ²/NDF: 0.0/0
Right: -198.605+/-0.815 χ²/NDF: 9091.6/34
In: -205.577+/-1.185 χ²/NDF:4056.0/15
Out: -193.730+/-1.096 χ²/NDF:5002.4/19
All: -199.193+/-0.805 χ²/NDF: 9112.3/35

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: -2.210+/-4.965 χ^2/NDF:0.0/0

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -2.210+/-4.965 χ^2/NDF: 0.0/0

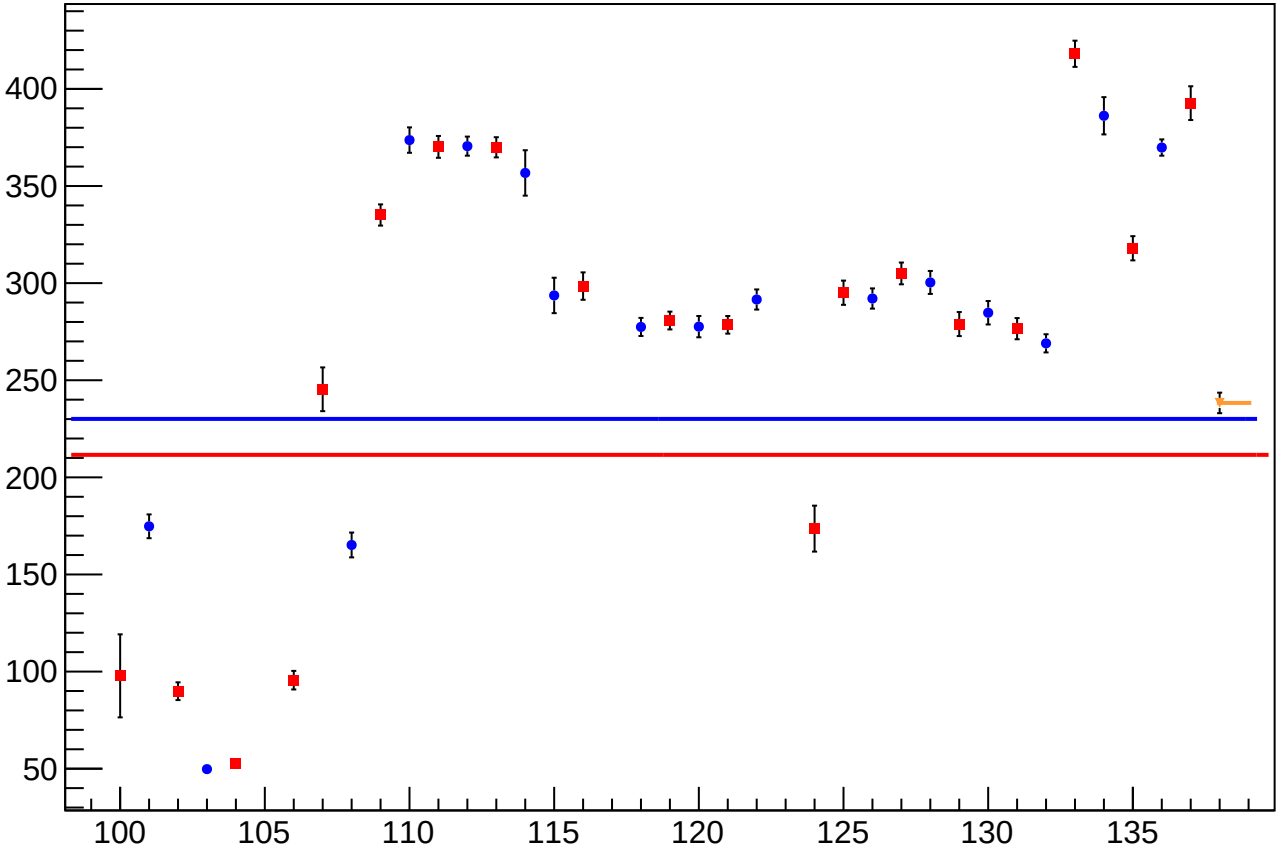
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 12.592+/-1.203 χ^2/NDF:68.5/15

Out: 11.196+/-1.094 χ^2/NDF:92.6/19

All: 11.828+/-0.809 χ^2/NDF: 161.8/35

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 238.325+/-5.285 χ^2/NDF:0.0/0

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 238.325+/-5.285 χ^2/NDF: 0.0/0

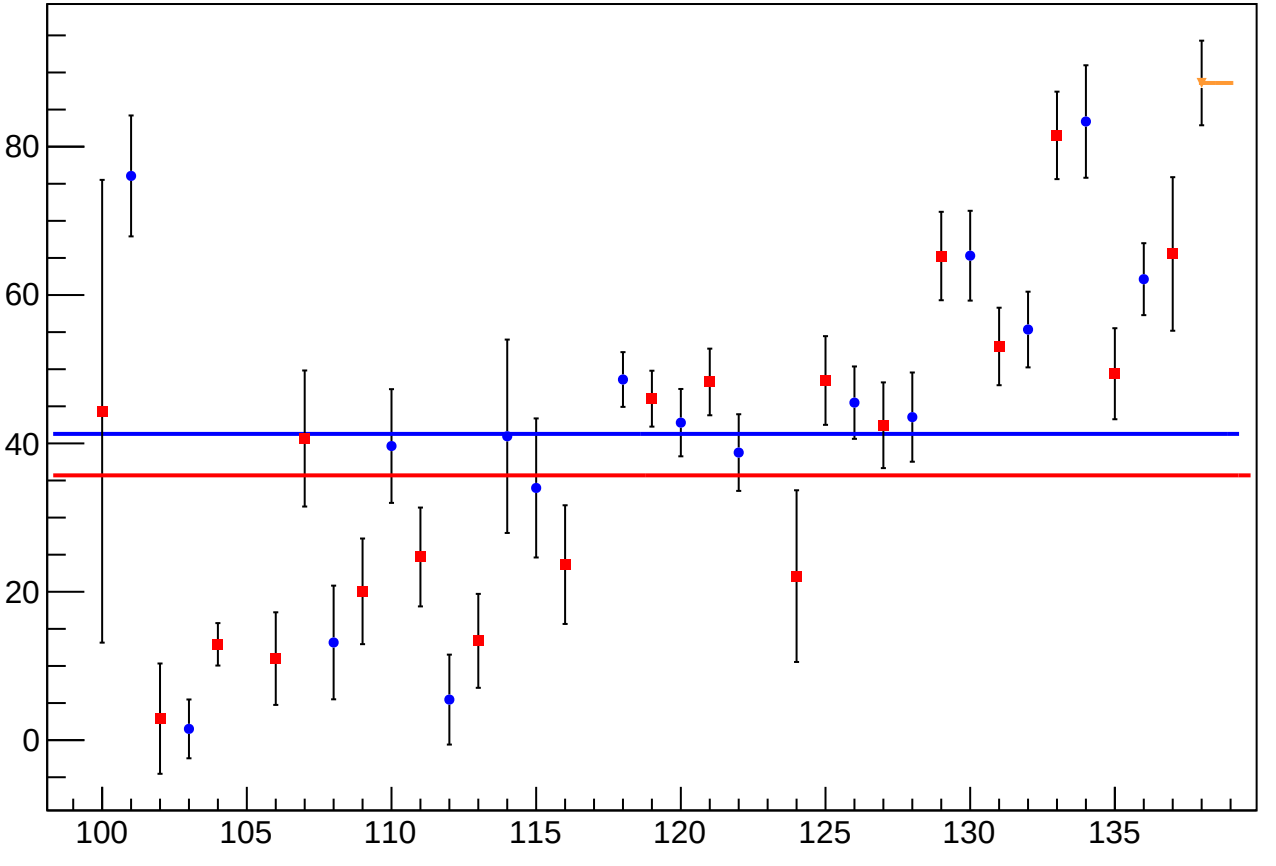
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 230.095+/-1.260 χ^2/NDF:9375.6/15

Out: 212.889+/-1.166 χ^2/NDF:11496.5/19

All: 220.828+/-0.856 χ^2/NDF: 20972.6/35

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: 88.586+/-5.702 χ^2/NDF:0.0/0

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

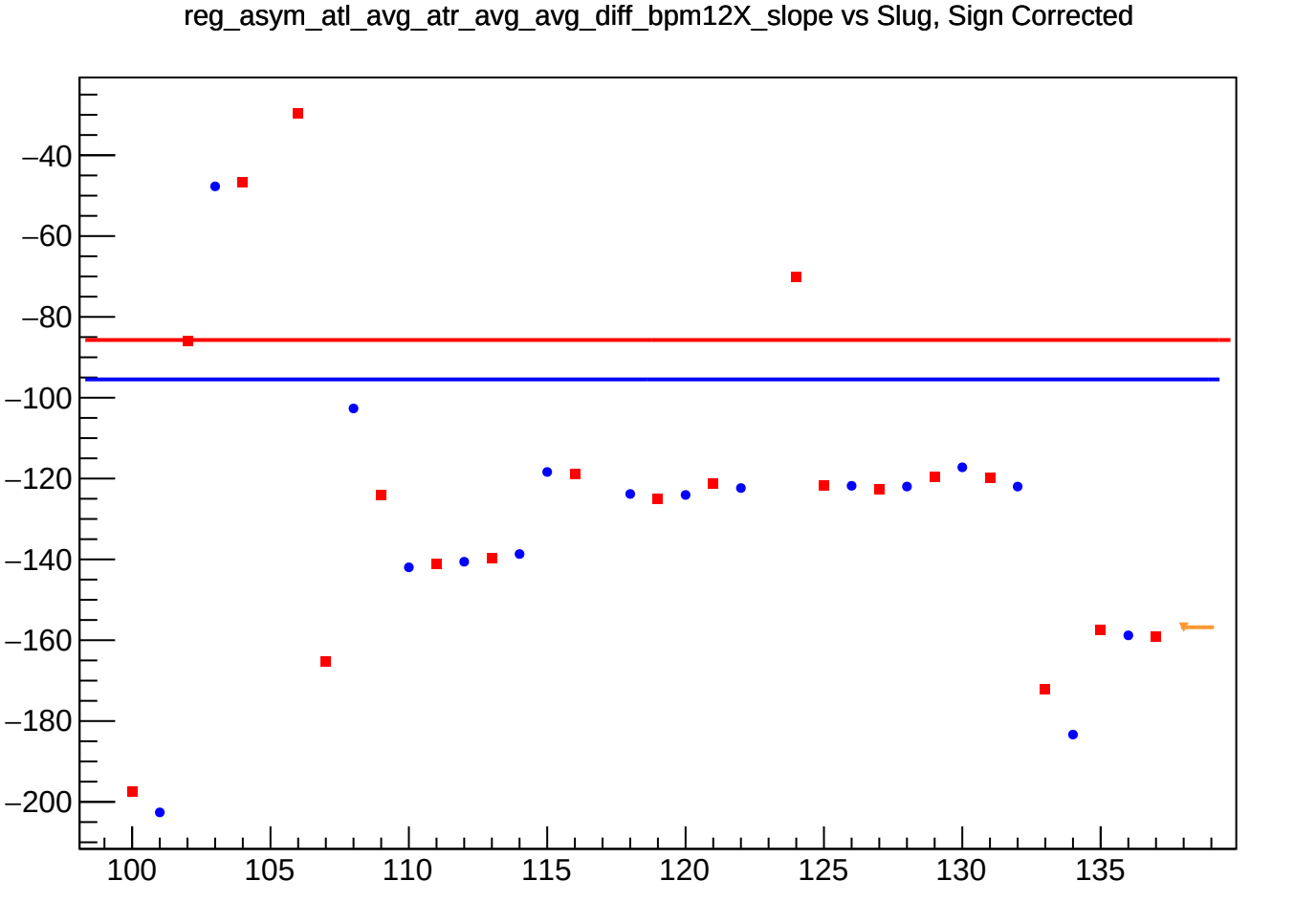
Left: 88.586+/-5.702 χ^2/NDF: 0.0/0

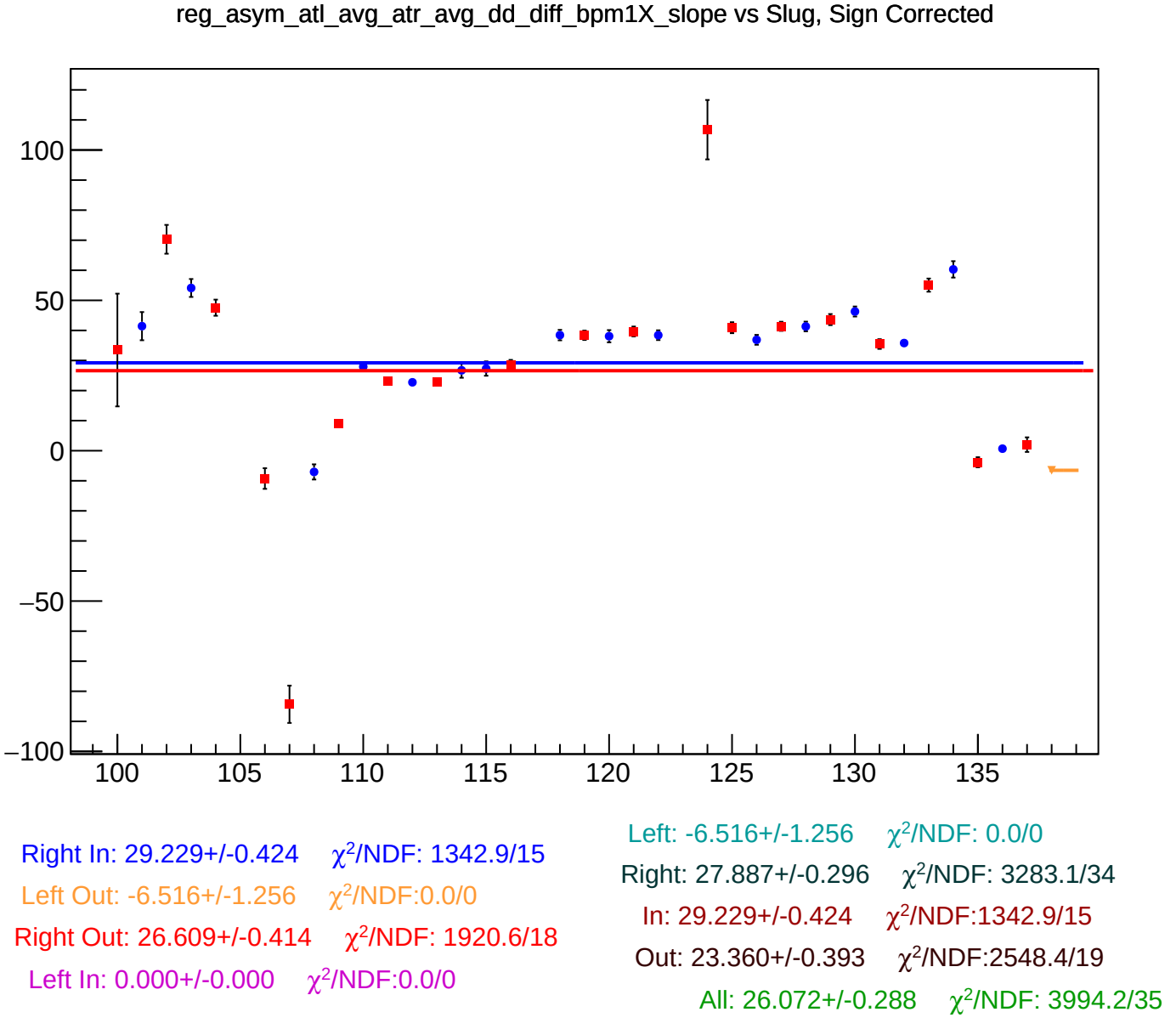
Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 41.282+/-1.398 χ^2/NDF:245.8/15

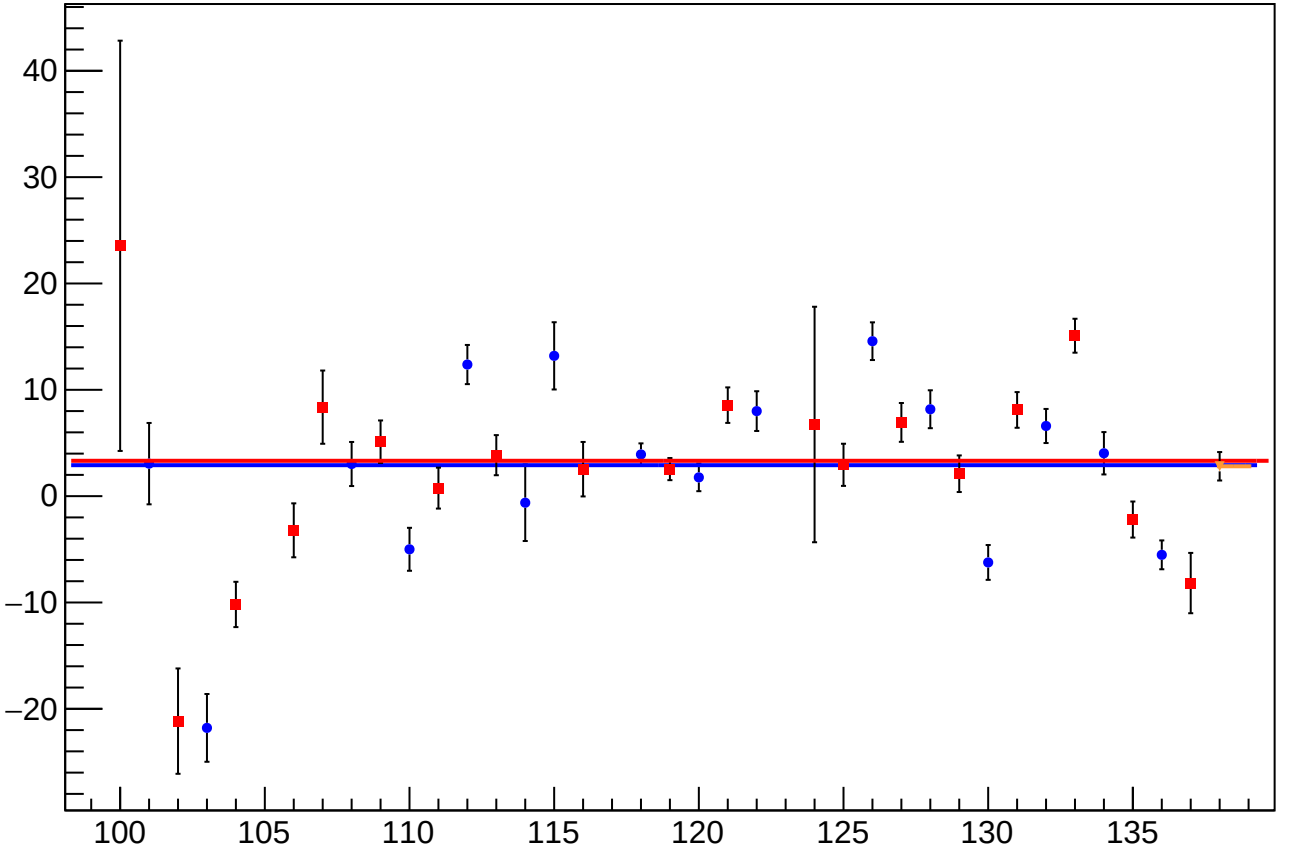
Out: 38.371+/-1.283 χ^2/NDF:334.9/19

All: 39.702+/-0.945 χ^2/NDF: 583.0/35


reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−40
−60
−80
−100
−120
−140
−160
−180
−200
100
105
110
115
120
125
130
135
Right In: -95.468+/-0.069 χ²/NDF: 519953.8/15
Left Out: -156.794+/-0.213 χ²/NDF:0.0/0
Right Out: -85.716+/-0.067 χ²/NDF: 482604.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -156.794+/-0.213 χ²/NDF: 0.0/0
Right: -90.413+/-0.048 χ²/NDF: 1012777.7/34
In: -95.468+/-0.069 χ²/NDF:519953.8/15
Out: -92.121+/-0.064 χ²/NDF:584177.6/19
All: -93.655+/-0.047 χ²/NDF: 1105389.3/35


reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
105
110
115
120
125
130
135
Right In: 29.229+/-0.424 χ²/NDF: 1342.9/15
Left Out: -6.516+/-1.256 χ²/NDF:0.0/0
Right Out: 26.609+/-0.414 χ²/NDF: 1920.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -6.516+/-1.256 χ²/NDF: 0.0/0
Right: 27.887+/-0.296 χ²/NDF: 3283.1/34
In: 29.229+/-0.424 χ²/NDF:1342.9/15
Out: 23.360+/-0.393 χ²/NDF:2548.4/19
All: 26.072+/-0.288 χ²/NDF: 3994.2/35

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: 2.809+/-1.338 χ^2/NDF:0.0/0

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2.809+/-1.338 χ^2/NDF: 0.0/0

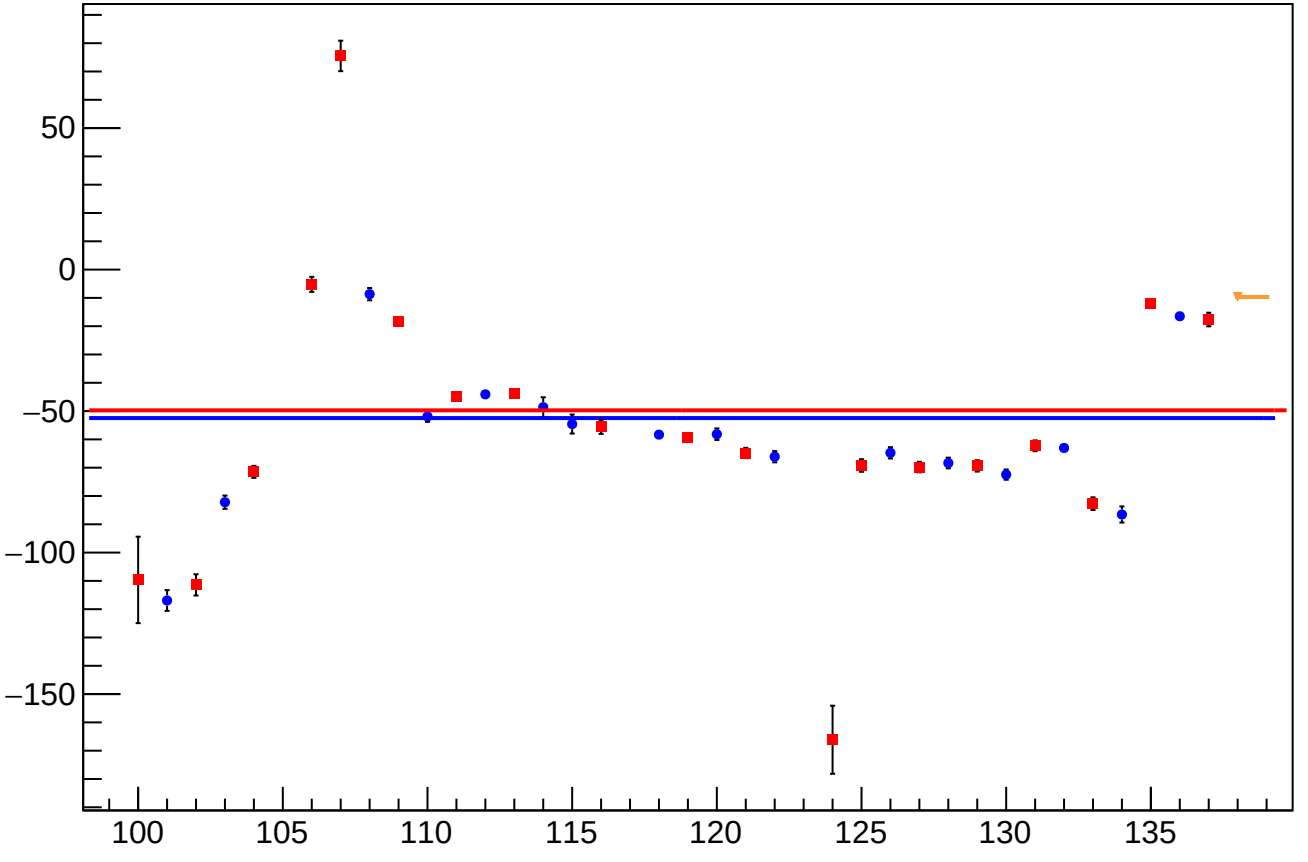
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.912+/-0.442 χ^2/NDF:250.0/15

Out: 3.272+/-0.430 χ^2/NDF:181.9/19

All: 3.098+/-0.308 χ^2/NDF: 432.2/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.688+/-1.311 χ^2/NDF:0.0/0

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -9.688+/-1.311 χ^2/NDF: 0.0/0

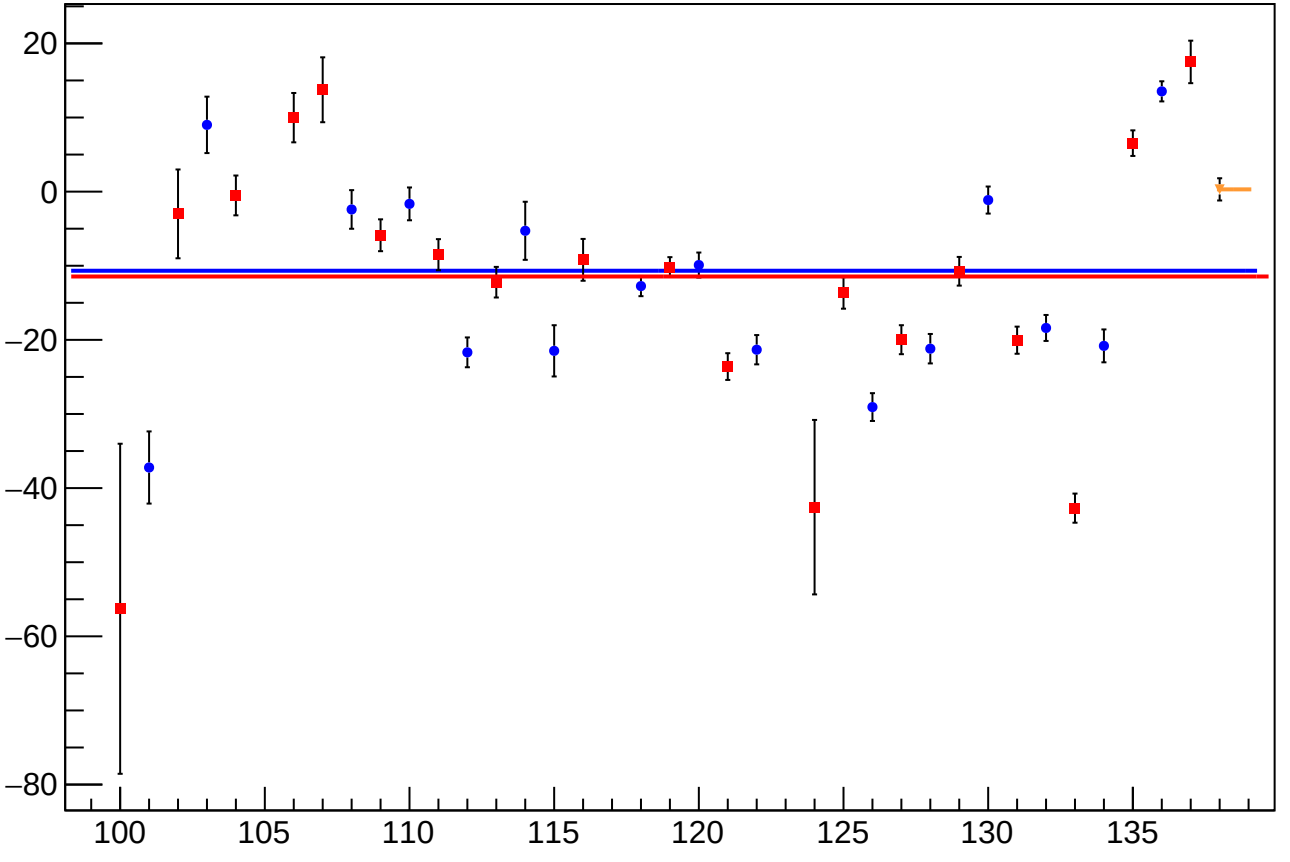
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -52.467+/-0.488 χ^2/NDF:2330.2/15

Out: -44.755+/-0.462 χ^2/NDF:3826.5/19

All: -48.405+/-0.336 χ^2/NDF: 6288.4/35

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: 0.305+/-1.500 χ^2/NDF:0.0/0

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.305+/-1.500 χ^2/NDF: 0.0/0

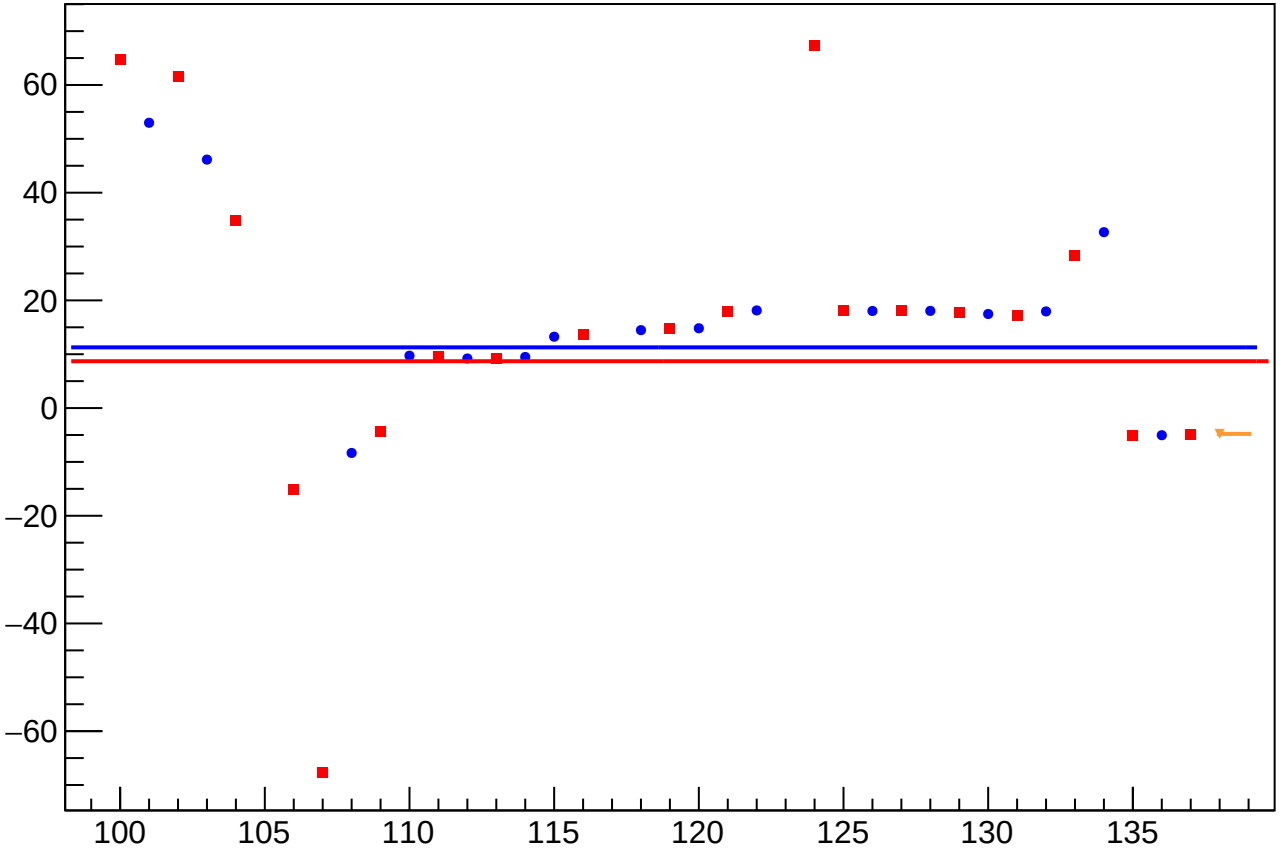
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -10.675+/-0.505 χ^2/NDF:666.4/15

Out: -10.206+/-0.488 χ^2/NDF:720.6/19

All: -10.432+/-0.351 χ^2/NDF: 1387.5/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -4.796+/-0.051 χ^2/NDF:0.0/0

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -4.796+/-0.051 χ^2/NDF: 0.0/0

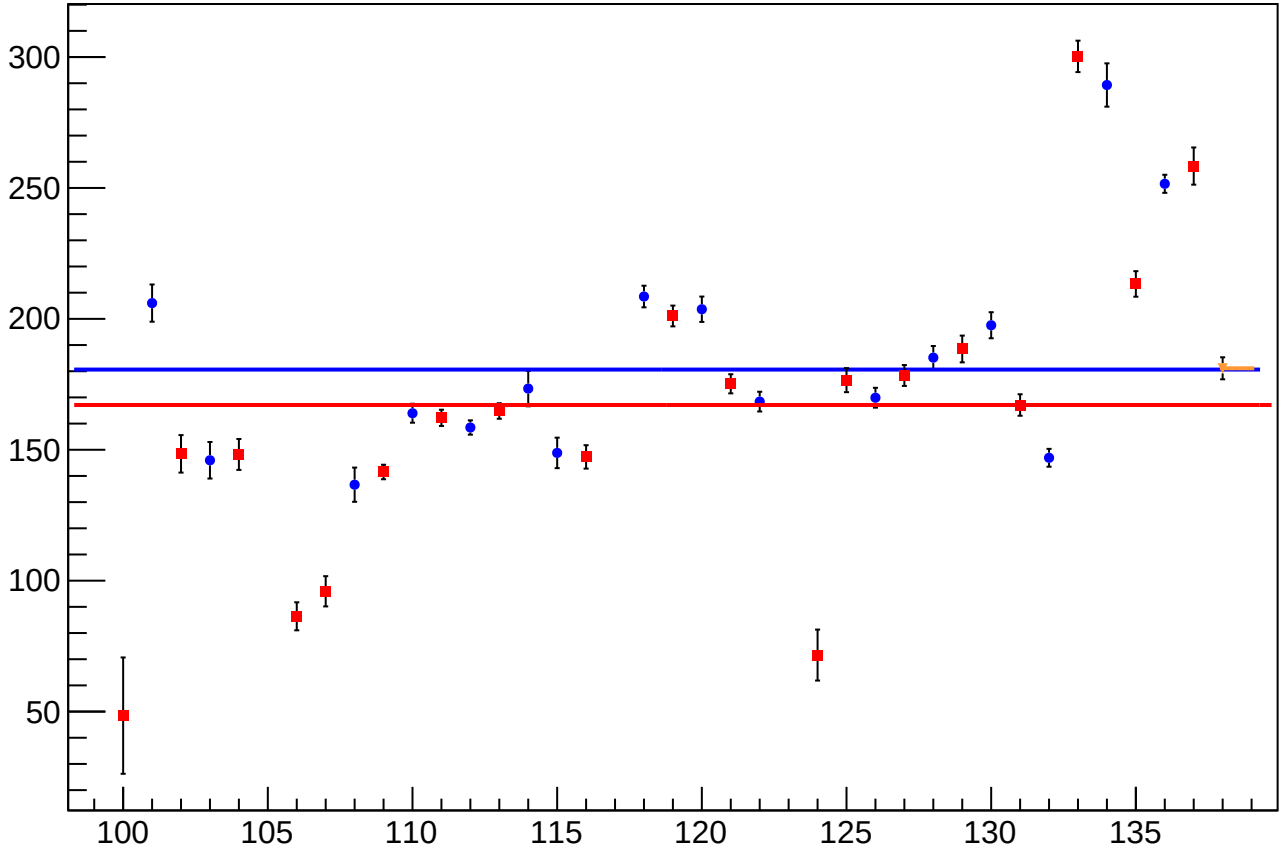
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: 11.277+/-0.030 χ^2/NDF:349346.9/15

Out: 5.031+/-0.027 χ^2/NDF:486269.0/19

All: 7.813+/-0.020 χ^2/NDF: 859778.7/35

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: 181.117+/-4.206 χ^2/NDF:0.0/0

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

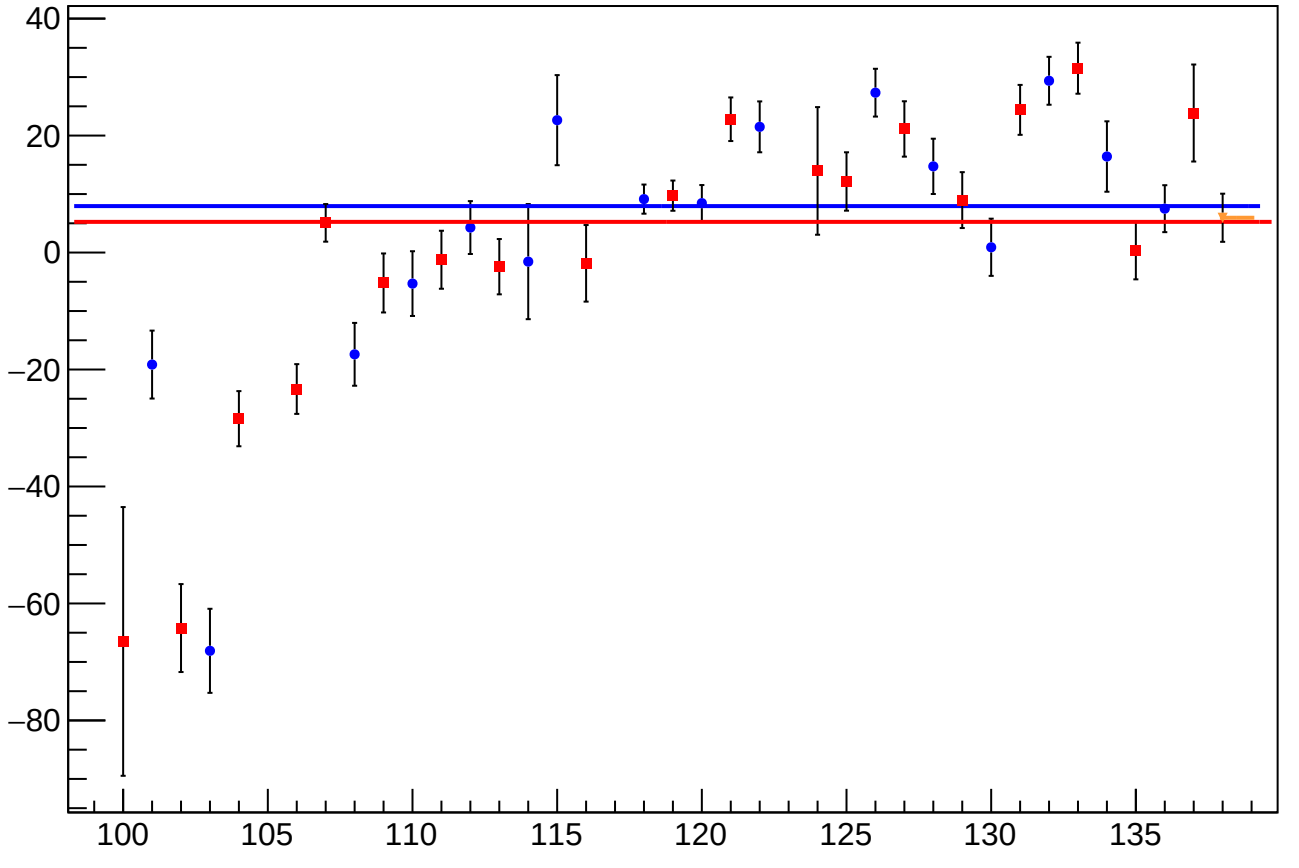
Left: 181.117+/-4.206 χ^2/NDF: 0.0/0

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 180.634+/-1.090 χ^2/NDF:993.4/15

Out: 167.881+/-0.992 χ^2/NDF:1495.0/19

All: 173.661+/-0.734 χ^2/NDF: 2563.4/35



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: 5.948+/-4.114 χ^2/NDF:0.0/0

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

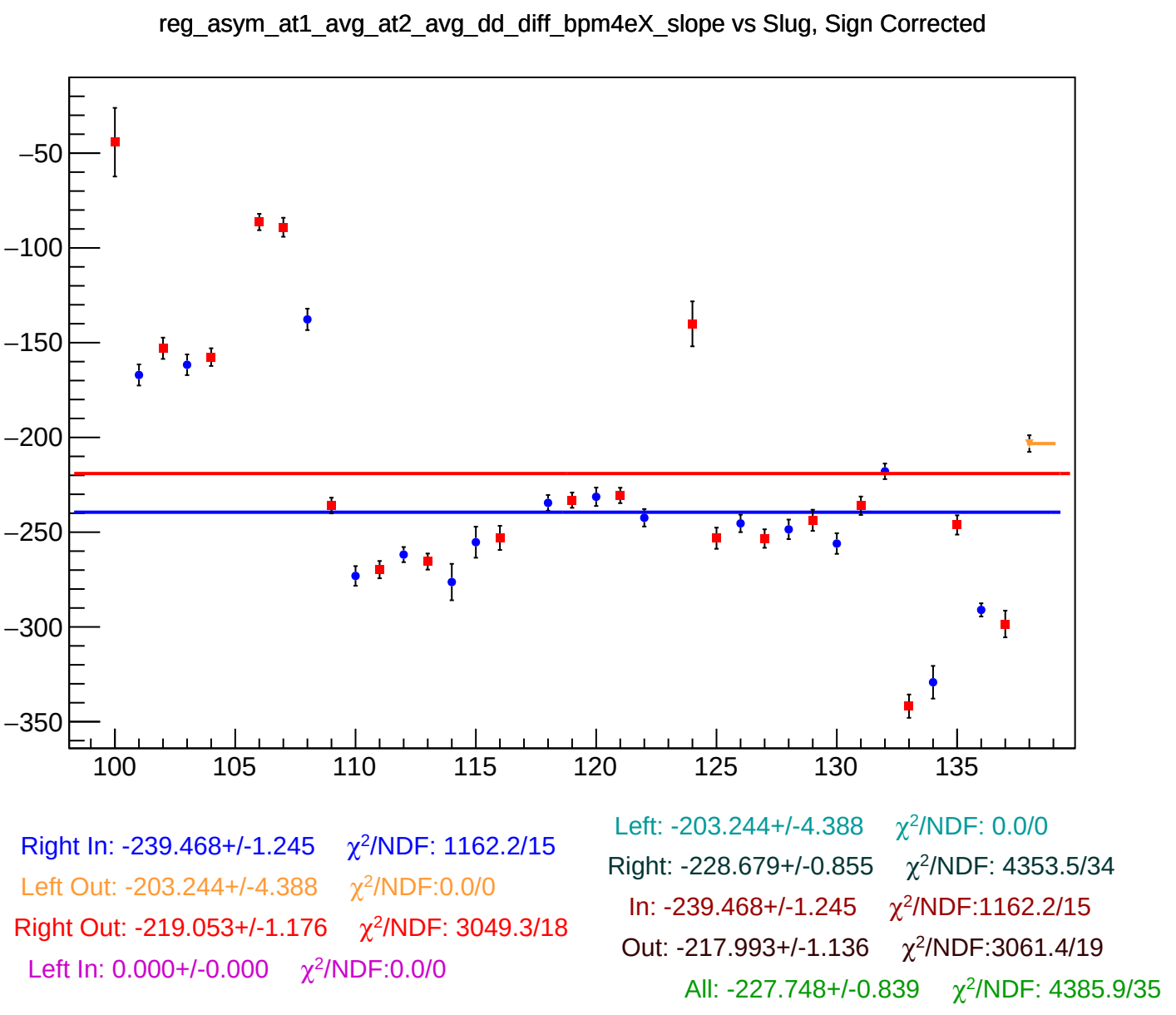
Left: 5.948+/-4.114 χ^2/NDF: 0.0/0

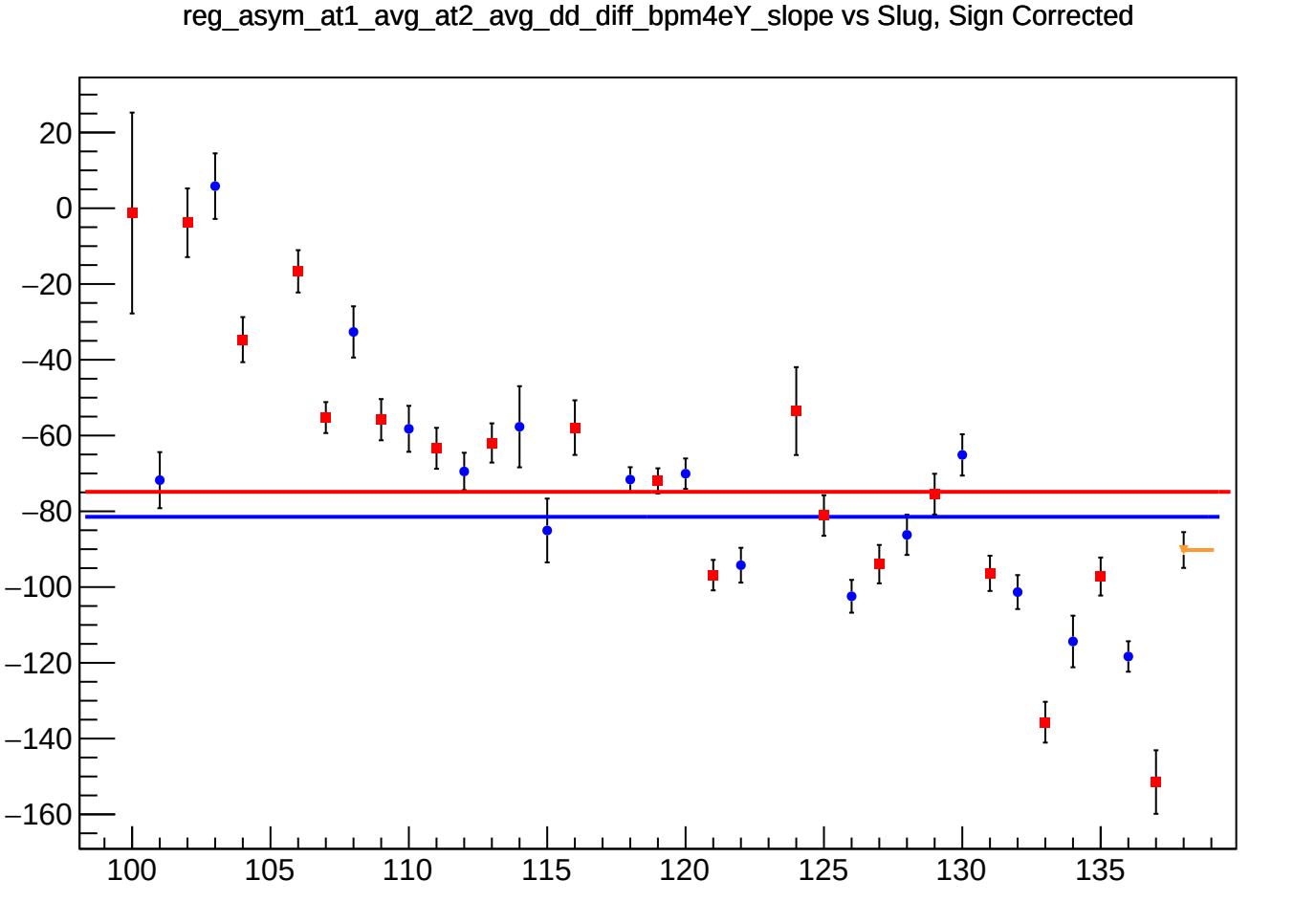
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 7.942+/-1.113 χ^2/NDF:232.9/15

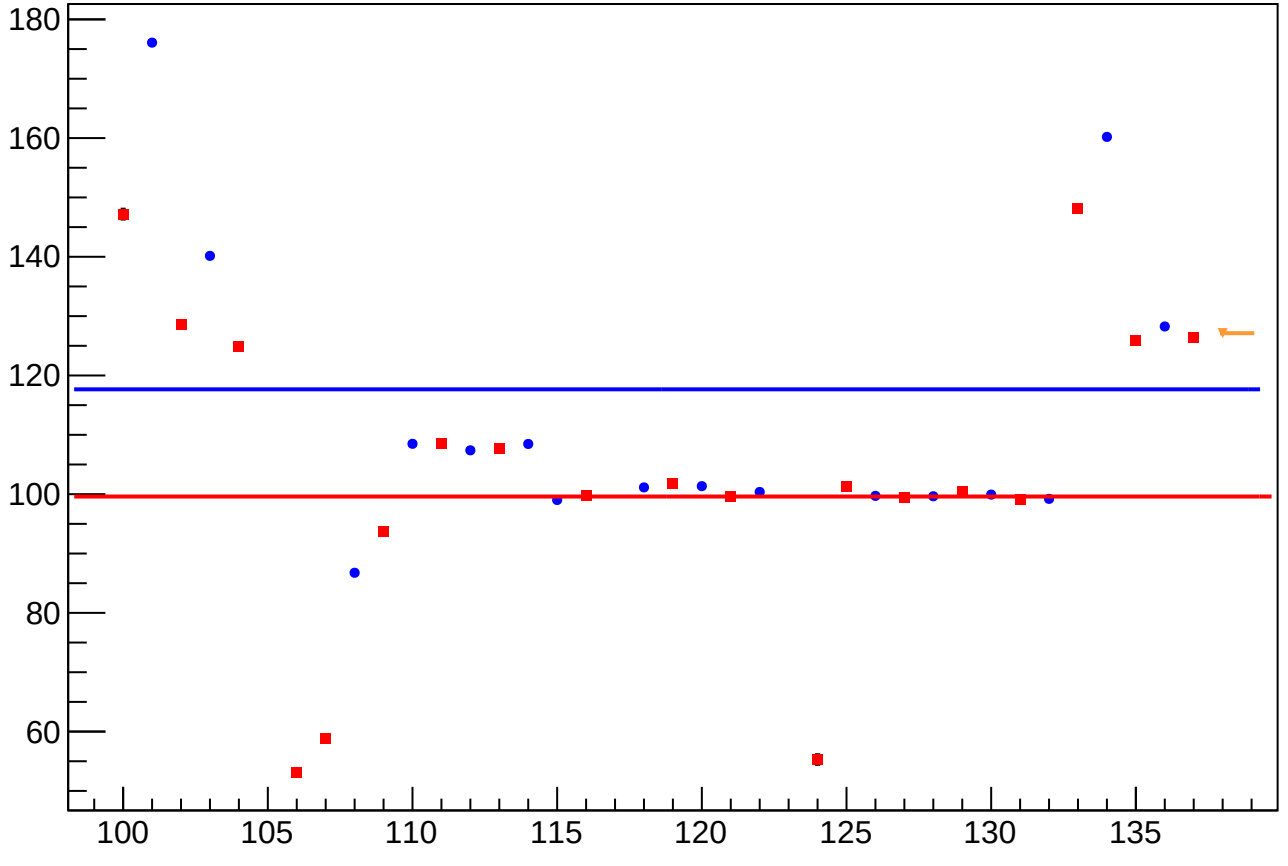
Out: 5.288+/-1.028 χ^2/NDF:303.0/19

All: 6.510+/-0.755 χ^2/NDF: 538.9/35


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
105
110
115
120
125
130
135
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -203.244+/-4.388 χ²/NDF:0.0/0
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -203.244+/-4.388 χ²/NDF: 0.0/0
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -239.468+/-1.245 χ²/NDF:1162.2/15
Out: -217.993+/-1.136 χ²/NDF:3061.4/19
All: -227.748+/-0.839 χ²/NDF: 4385.9/35


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
105
110
115
120
125
130
135
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -90.221+/-4.727 χ²/NDF:0.0/0
Right Out: -74.861+/-1.230 χ²/NDF: 576.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -90.221+/-4.727 χ²/NDF: 0.0/0
Right: -78.013+/-0.889 χ²/NDF: 956.9/34
In: -81.462+/-1.287 χ²/NDF:366.5/15
Out: -75.835+/-1.190 χ²/NDF:586.5/19
All: -78.430+/-0.874 χ²/NDF: 963.3/35

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: 127.128+/-0.177 χ^2/NDF:0.0/0

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 127.128+/-0.177 χ^2/NDF: 0.0/0

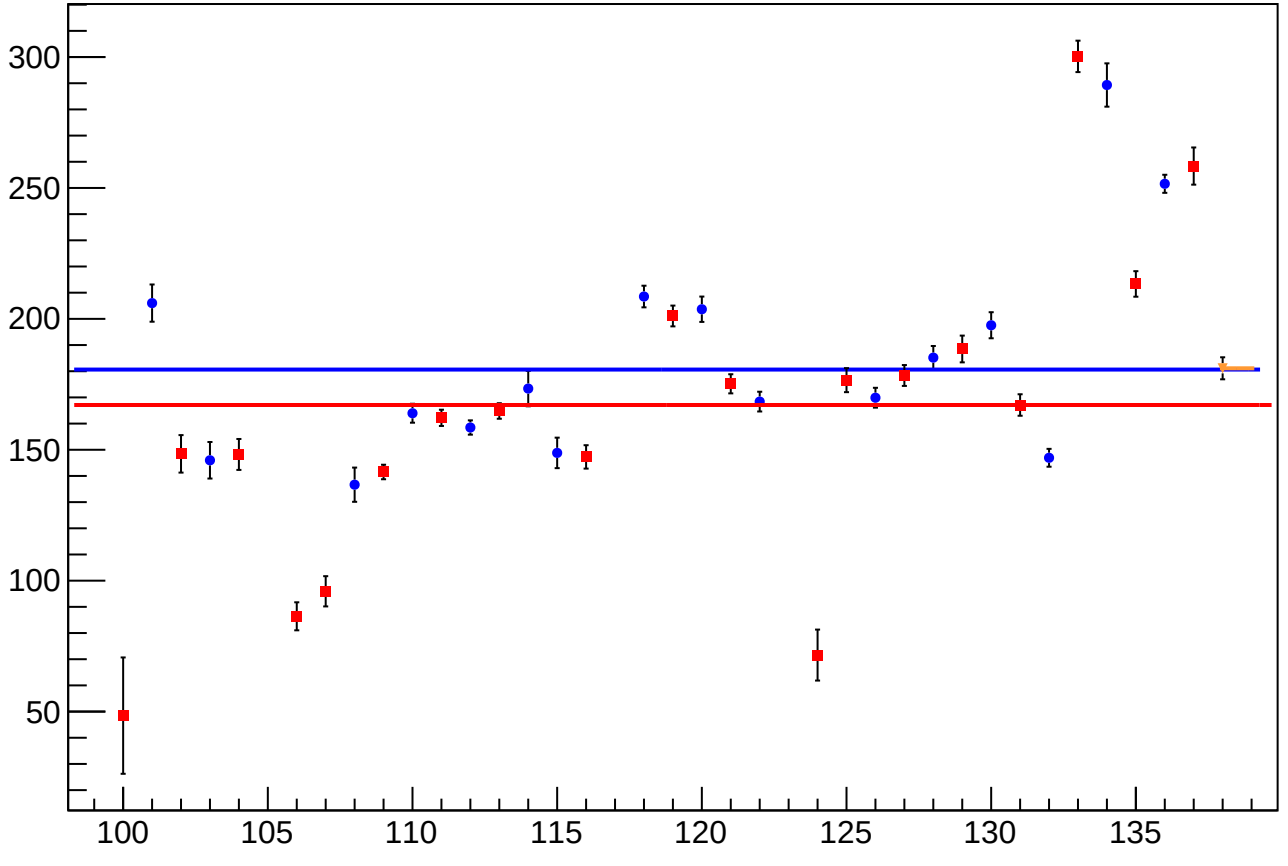
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 117.666+/-0.078 χ^2/NDF:95397.2/15

Out: 103.364+/-0.065 χ^2/NDF:187172.7/19

All: 109.237+/-0.050 χ^2/NDF: 302255.0/35

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: 181.117+/-4.206 χ^2/NDF:0.0/0

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 181.117+/-4.206 χ^2/NDF: 0.0/0

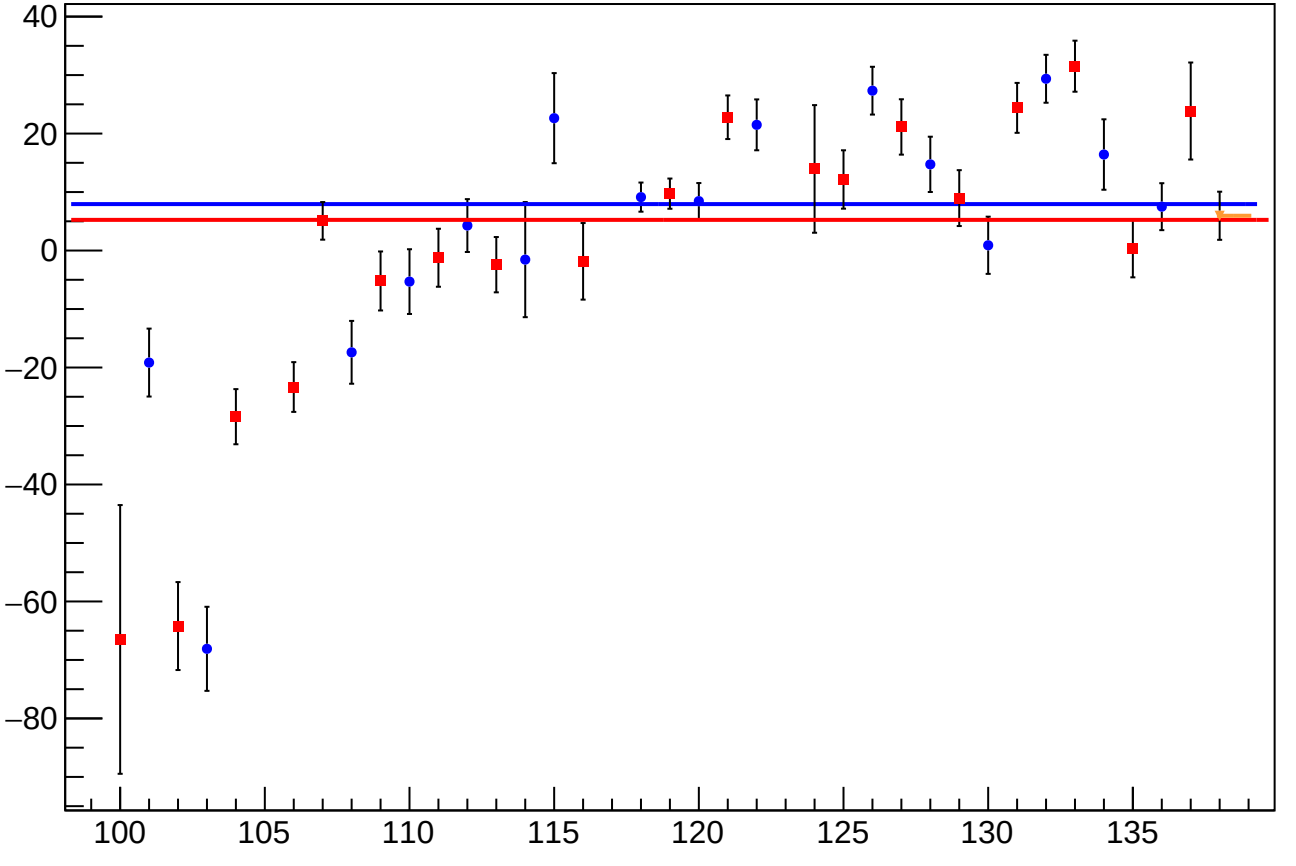
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 180.634+/-1.090 χ^2/NDF:993.4/15

Out: 167.881+/-0.992 χ^2/NDF:1495.0/19

All: 173.661+/-0.734 χ^2/NDF: 2563.4/35

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: 5.948+/-4.114 χ^2/NDF:0.0/0

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

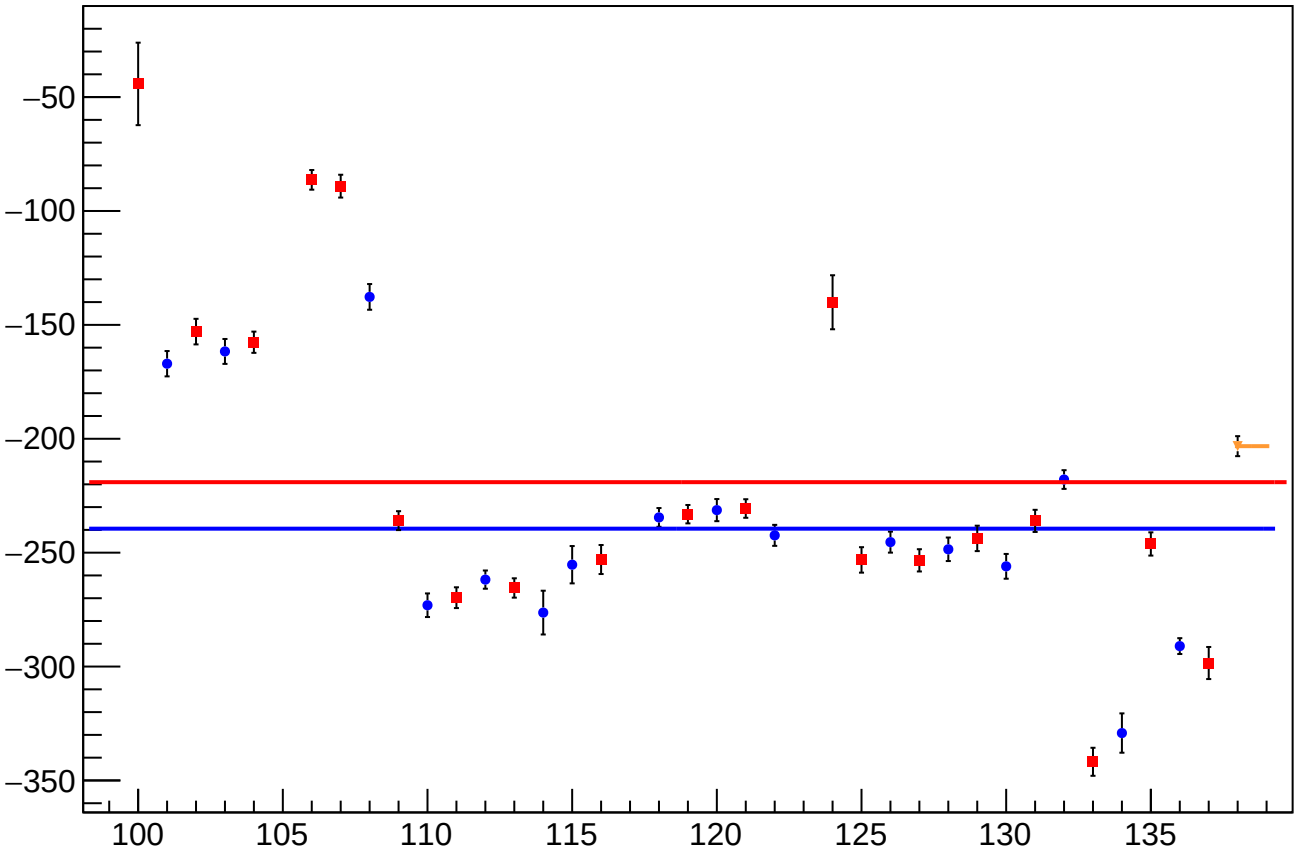
Left: 5.948+/-4.114 χ^2/NDF: 0.0/0

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 7.942+/-1.113 χ^2/NDF:232.9/15

Out: 5.288+/-1.028 χ^2/NDF:303.0/19

All: 6.510+/-0.755 χ^2/NDF: 538.9/35



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -203.244+/-4.388 χ^2/NDF:0.0/0

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

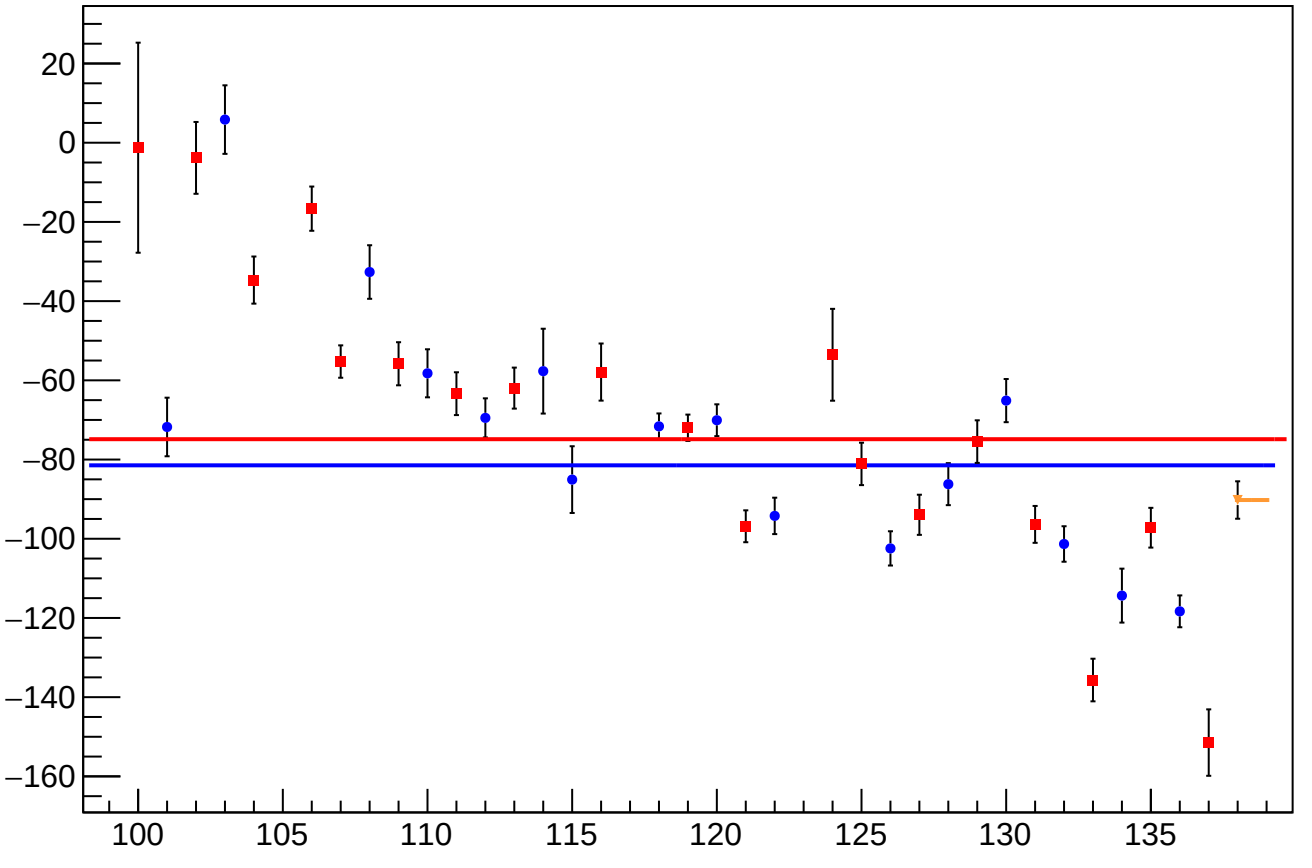
Left: -203.244+/-4.388 χ^2/NDF: 0.0/0

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.468+/-1.245 χ^2/NDF:1162.2/15

Out: -217.993+/-1.136 χ^2/NDF:3061.4/19

All: -227.748+/-0.839 χ^2/NDF: 4385.9/35



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -90.221+/-4.727 χ^2/NDF:0.0/0

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -90.221+/-4.727 χ^2/NDF: 0.0/0

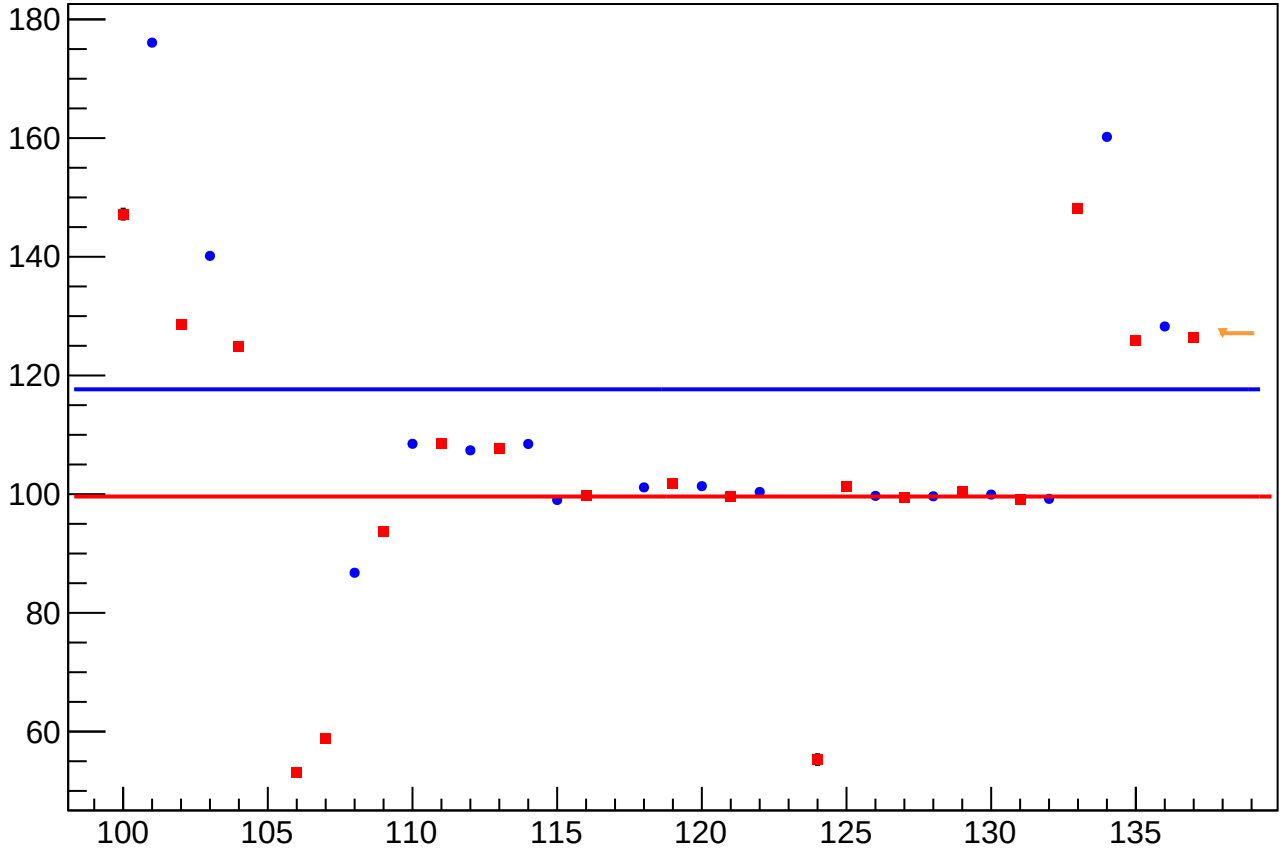
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -81.462+/-1.287 χ^2/NDF:366.5/15

Out: -75.835+/-1.190 χ^2/NDF:586.5/19

All: -78.430+/-0.874 χ^2/NDF: 963.3/35

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: 127.128+/-0.177 χ^2/NDF:0.0/0

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

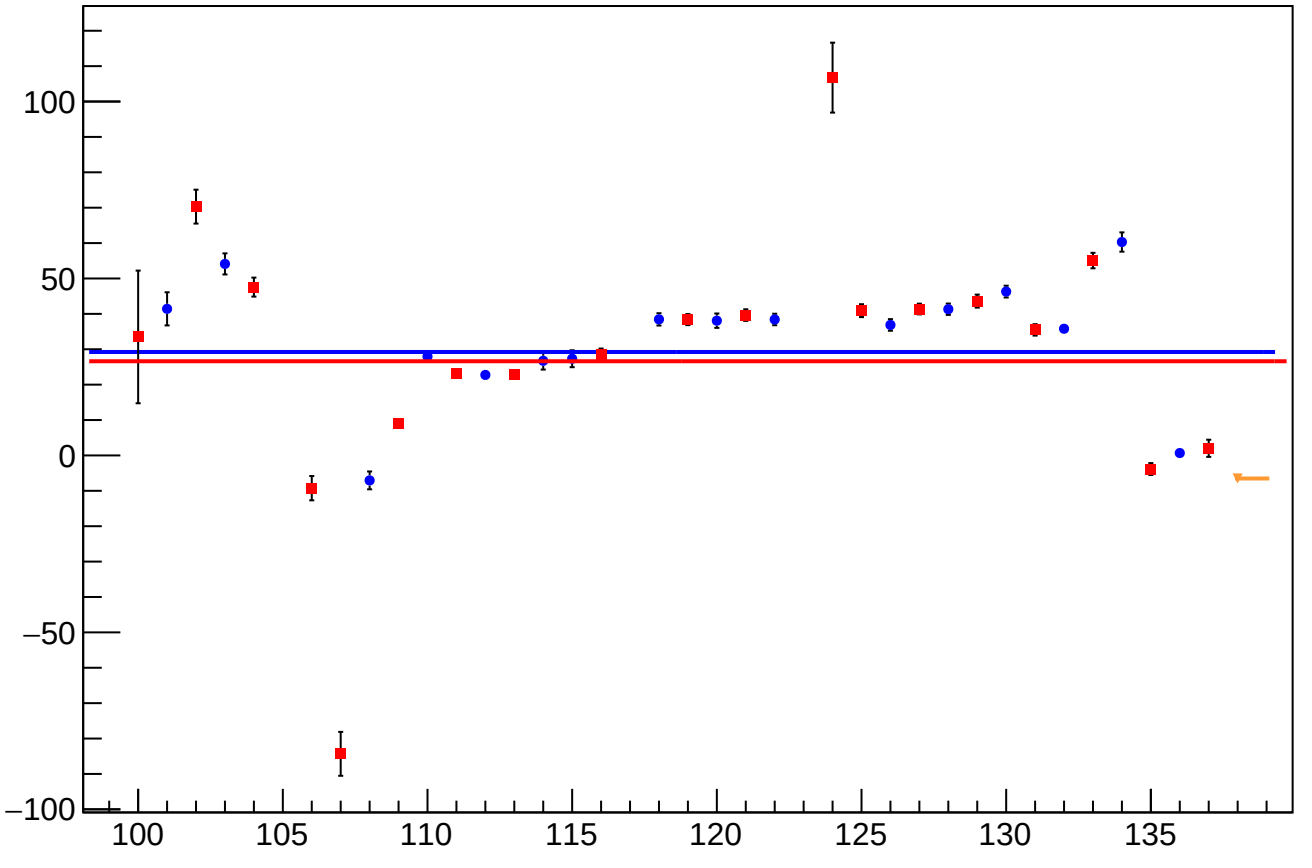
Left: 127.128+/-0.177 χ^2/NDF: 0.0/0

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 117.666+/-0.078 χ^2/NDF:95397.2/15

Out: 103.364+/-0.065 χ^2/NDF:187172.7/19

All: 109.237+/-0.050 χ^2/NDF: 302255.0/35



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -6.516+/-1.256 χ^2/NDF:0.0/0

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -6.516+/-1.256 χ^2/NDF: 0.0/0

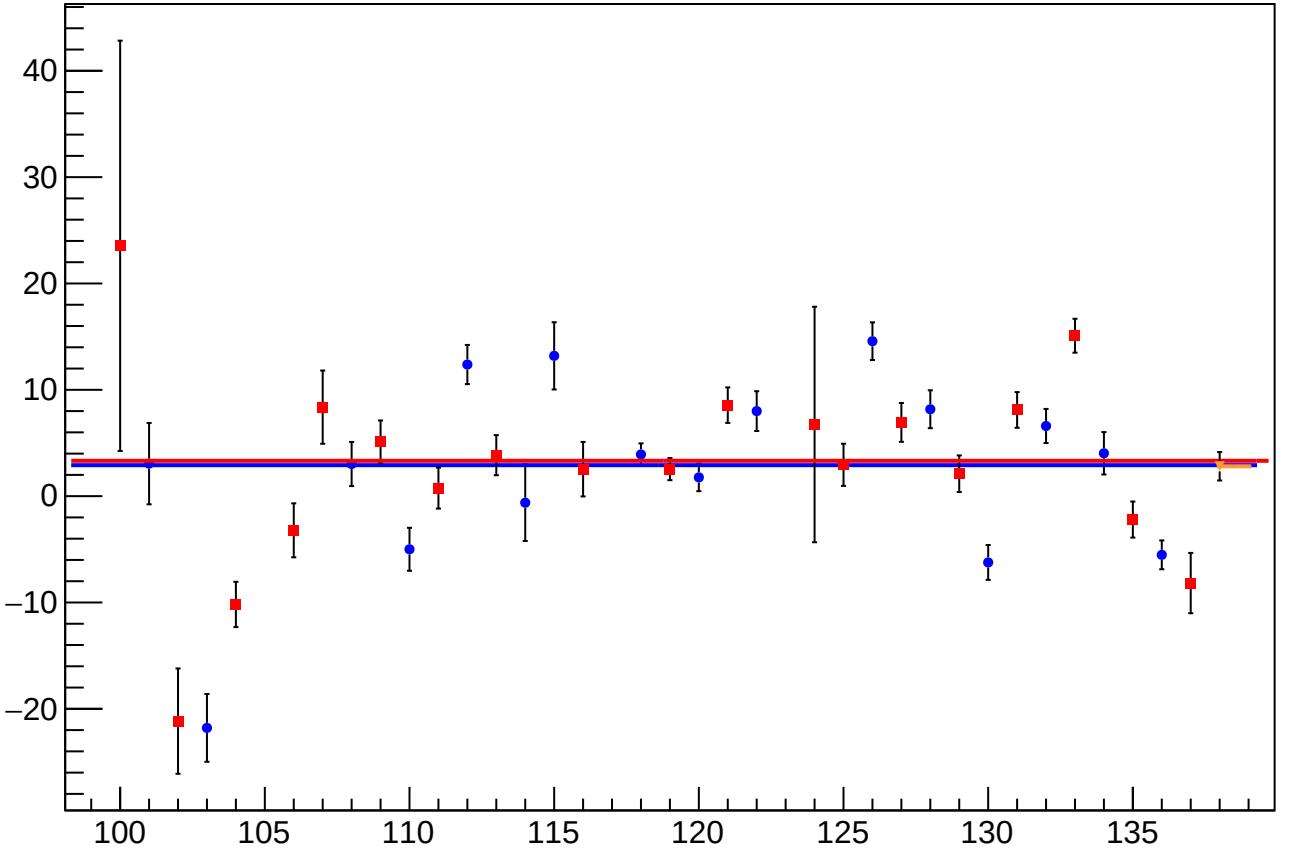
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 29.229+/-0.424 χ^2/NDF:1342.9/15

Out: 23.360+/-0.393 χ^2/NDF:2548.4/19

All: 26.072+/-0.288 χ^2/NDF: 3994.2/35

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: 2.809+/-1.338 χ^2/NDF:0.0/0

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

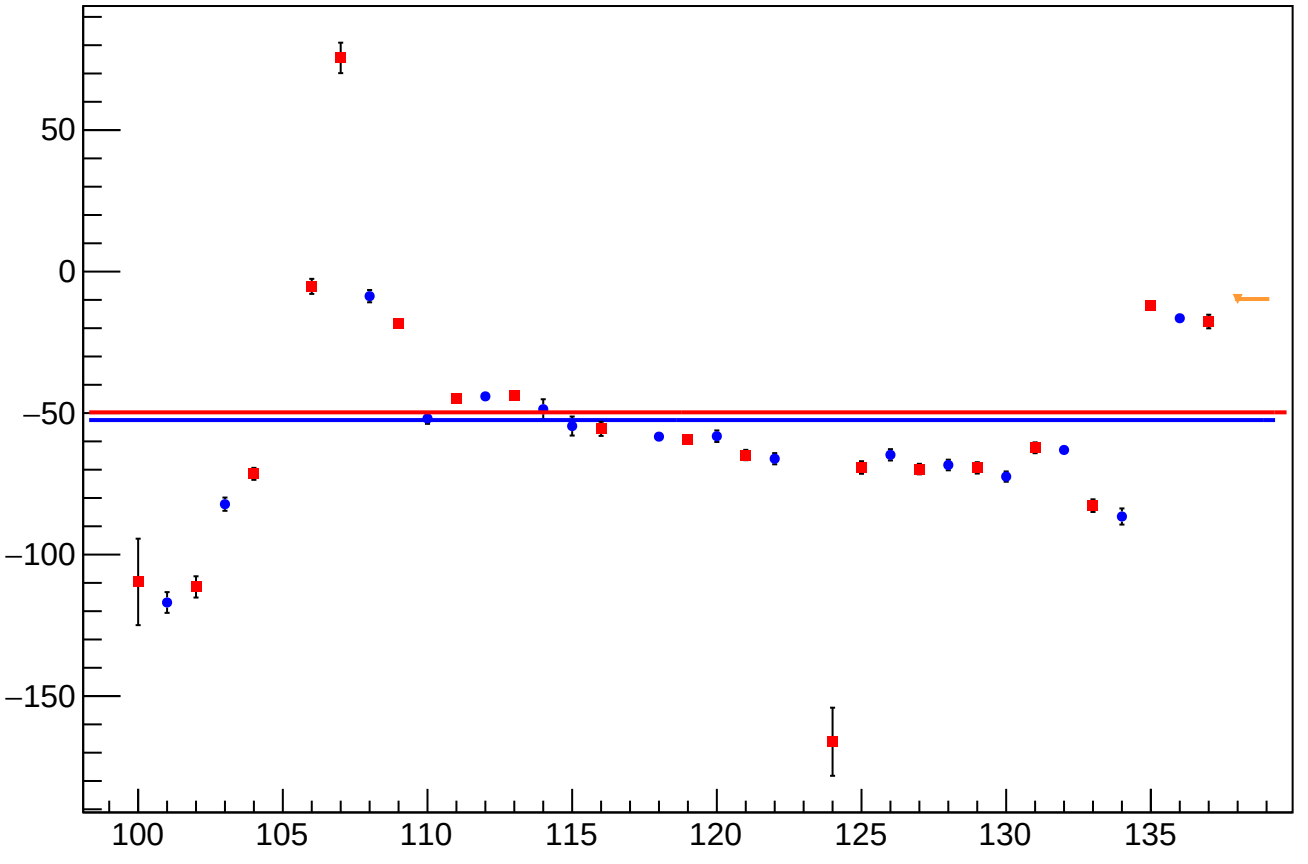
Left: 2.809+/-1.338 χ^2/NDF: 0.0/0

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.912+/-0.442 χ^2/NDF:250.0/15

Out: 3.272+/-0.430 χ^2/NDF:181.9/19

All: 3.098+/-0.308 χ^2/NDF: 432.2/35



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.688+/-1.311 χ^2/NDF:0.0/0

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

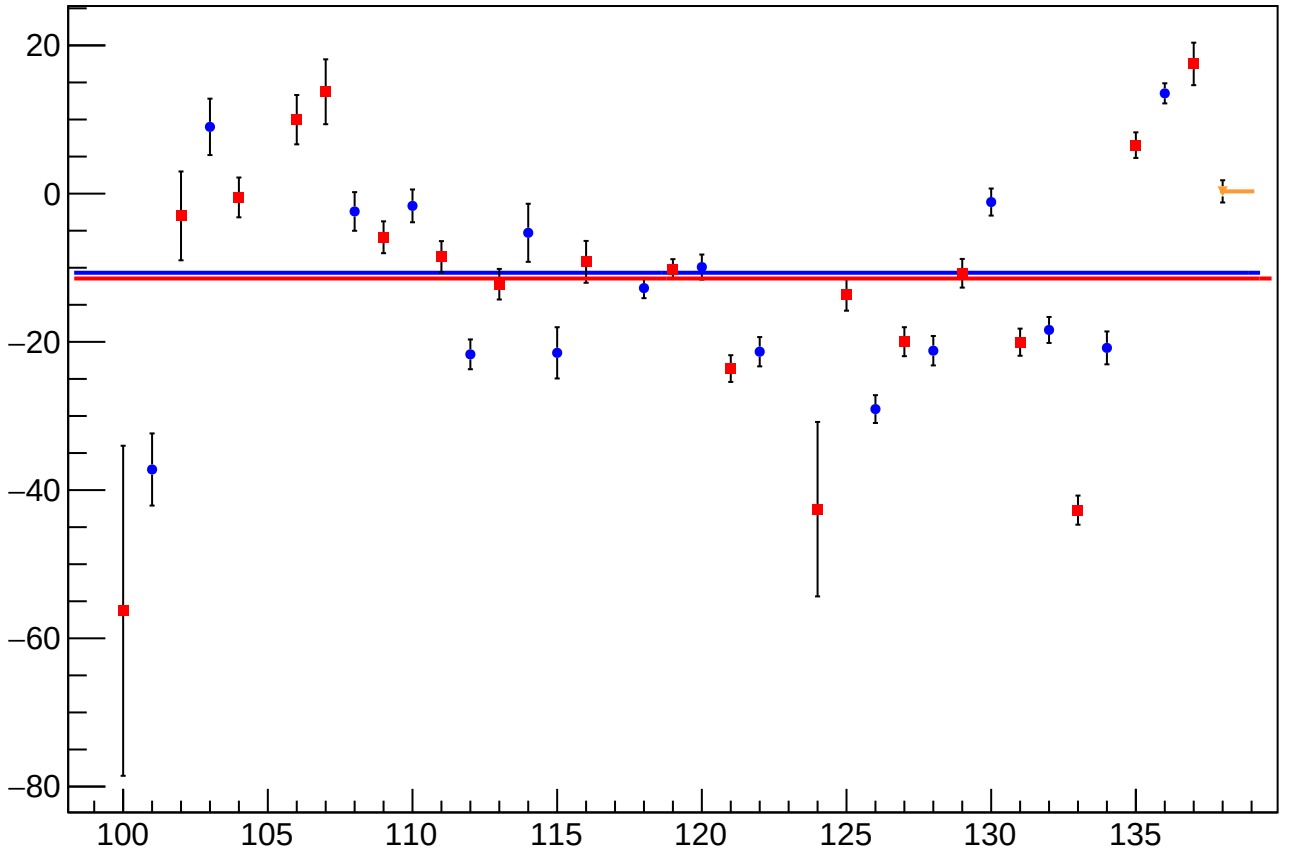
Left: -9.688+/-1.311 χ^2/NDF: 0.0/0

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -52.467+/-0.488 χ^2/NDF:2330.2/15

Out: -44.755+/-0.462 χ^2/NDF:3826.5/19

All: -48.405+/-0.336 χ^2/NDF: 6288.4/35



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.305+/-1.500 χ^2/NDF:0.0/0

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

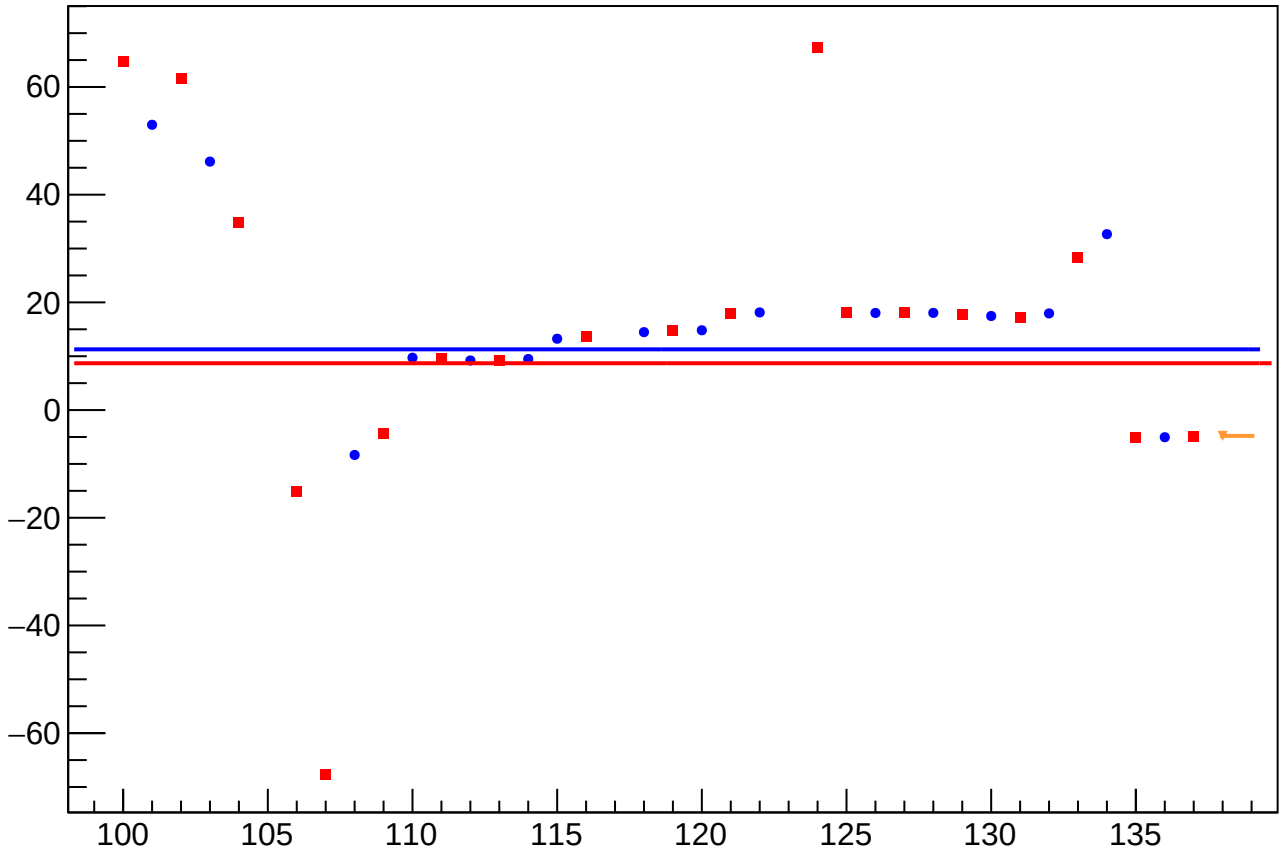
Left: 0.305+/-1.500 χ^2/NDF: 0.0/0

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -10.675+/-0.505 χ^2/NDF:666.4/15

Out: -10.206+/-0.488 χ^2/NDF:720.6/19

All: -10.432+/-0.351 χ^2/NDF: 1387.5/35



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -4.796+/-0.051 χ^2/NDF:0.0/0

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

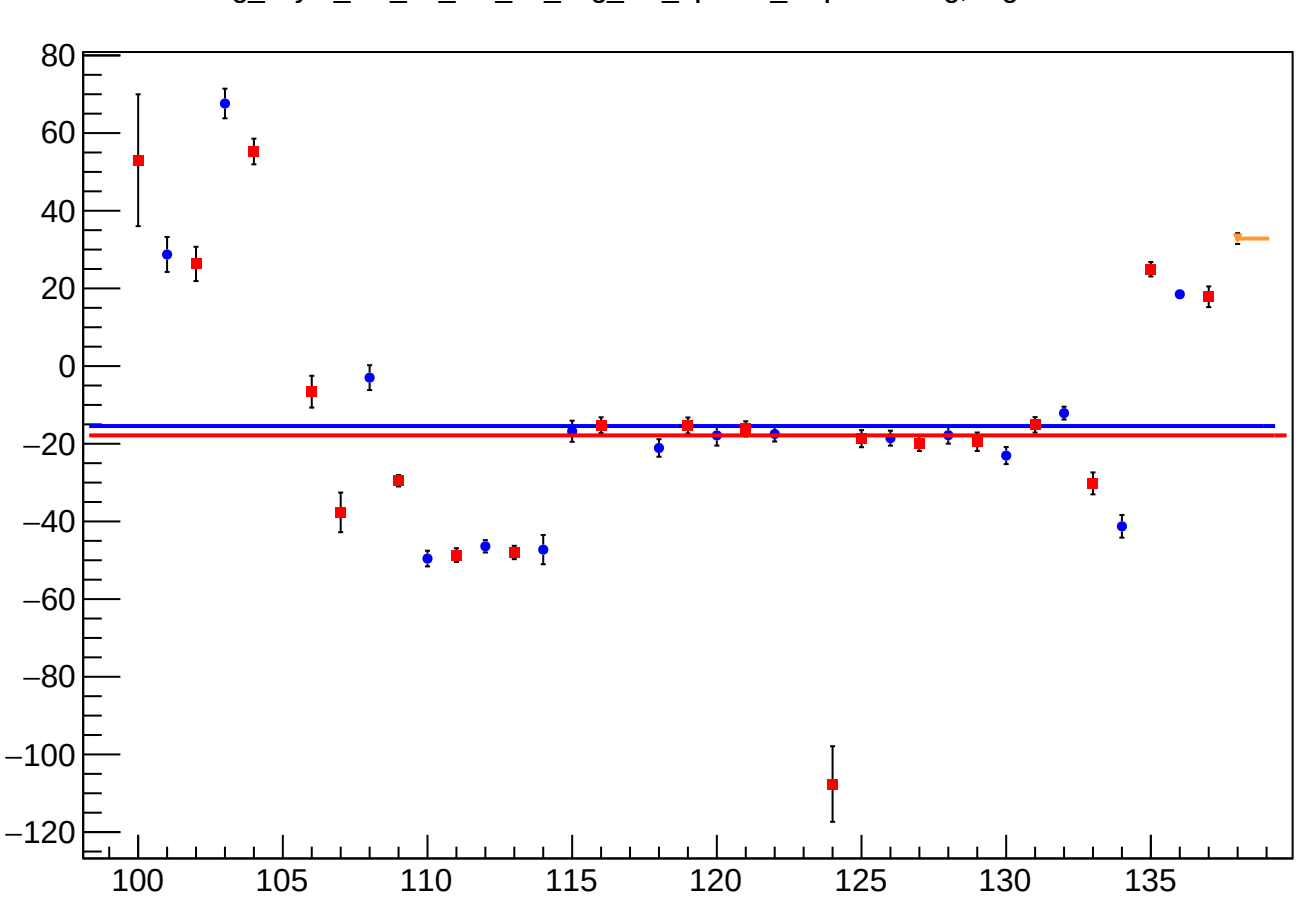
Left: -4.796+/-0.051 χ^2/NDF: 0.0/0

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: 11.277+/-0.030 χ^2/NDF:349346.9/15

Out: 5.031+/-0.027 χ^2/NDF:486269.0/19

All: 7.813+/-0.020 χ^2/NDF: 859778.7/35



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 32.837+/-1.385 χ^2/NDF:0.0/0

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 32.837+/-1.385 χ^2/NDF: 0.0/0

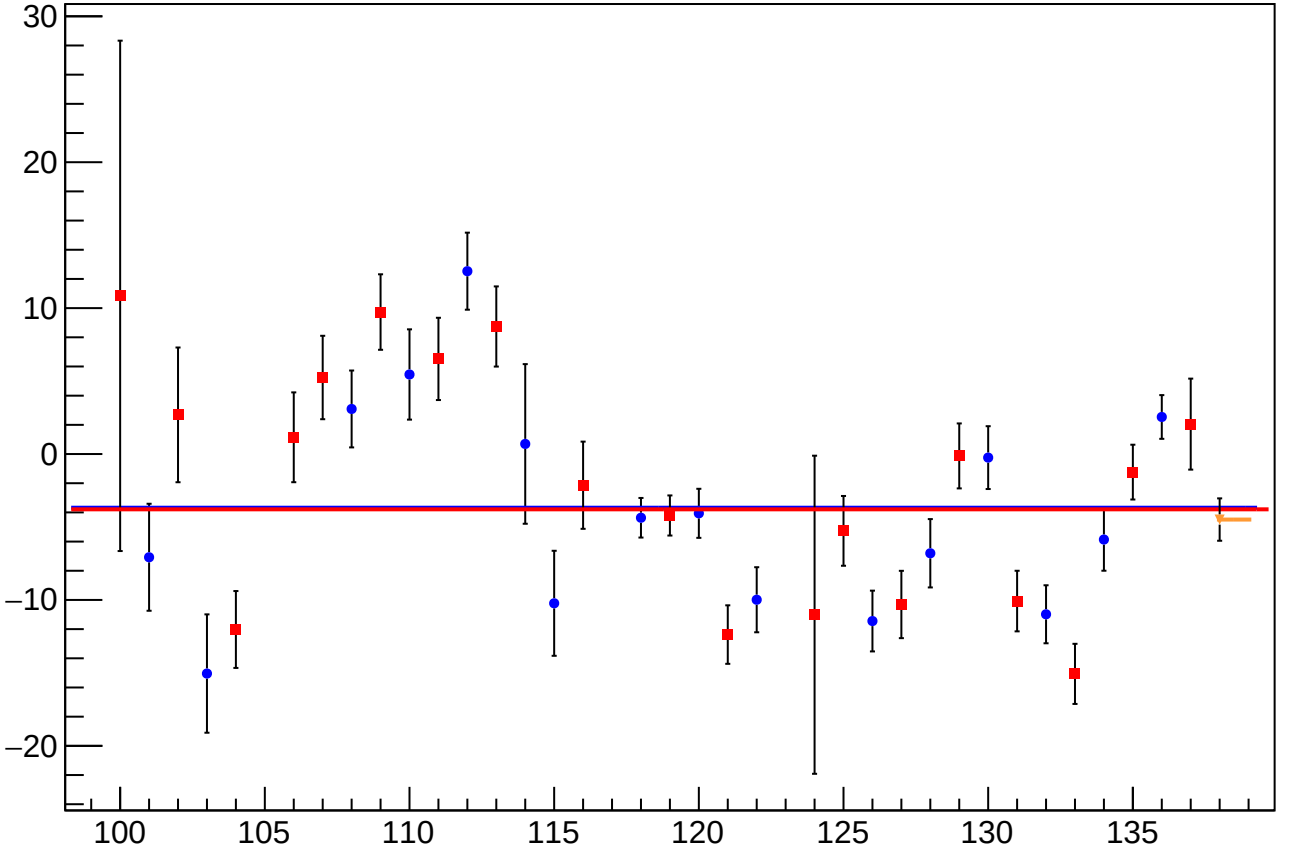
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: -15.438+/-0.539 χ^2/NDF:2124.2/15

Out: -11.384+/-0.495 χ^2/NDF:3293.1/19

All: -13.238+/-0.364 χ^2/NDF: 5448.0/35

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -4.491+/-1.452 χ^2/NDF:0.0/0

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -4.491+/-1.452 χ^2/NDF: 0.0/0

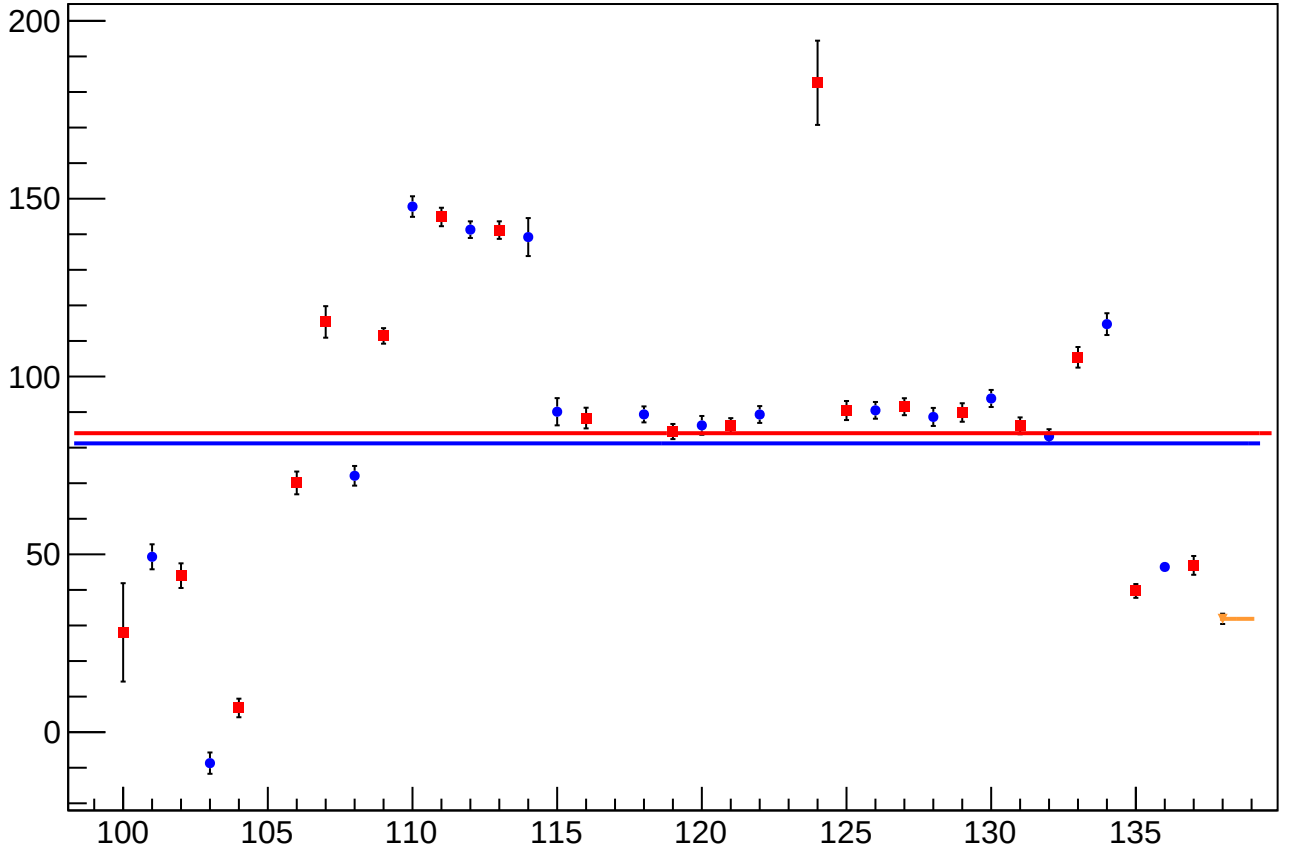
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.679+/-0.552 χ^2/NDF:124.0/15

Out: -3.882+/-0.526 χ^2/NDF:161.4/19

All: -3.786+/-0.381 χ^2/NDF: 285.5/35

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: 31.867+/-1.446 χ^2/NDF:0.0/0

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

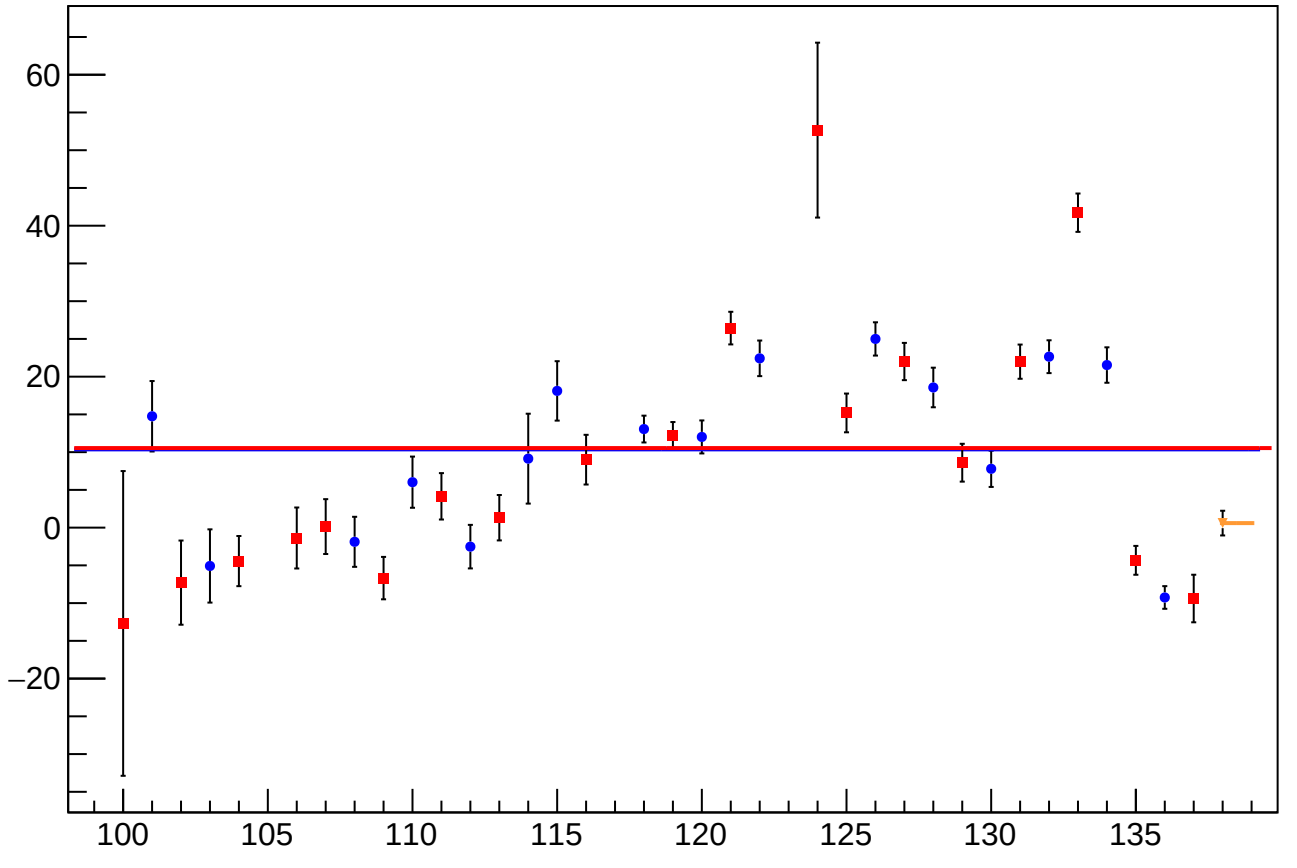
Left: 31.867+/-1.446 χ^2/NDF: 0.0/0

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 81.203+/-0.607 χ^2/NDF:3230.5/15

Out: 76.045+/-0.567 χ^2/NDF:4308.8/19

All: 78.448+/-0.414 χ^2/NDF: 7577.9/35



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 0.600+/-1.636 χ^2/NDF:0.0/0

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.600+/-1.636 χ^2/NDF: 0.0/0

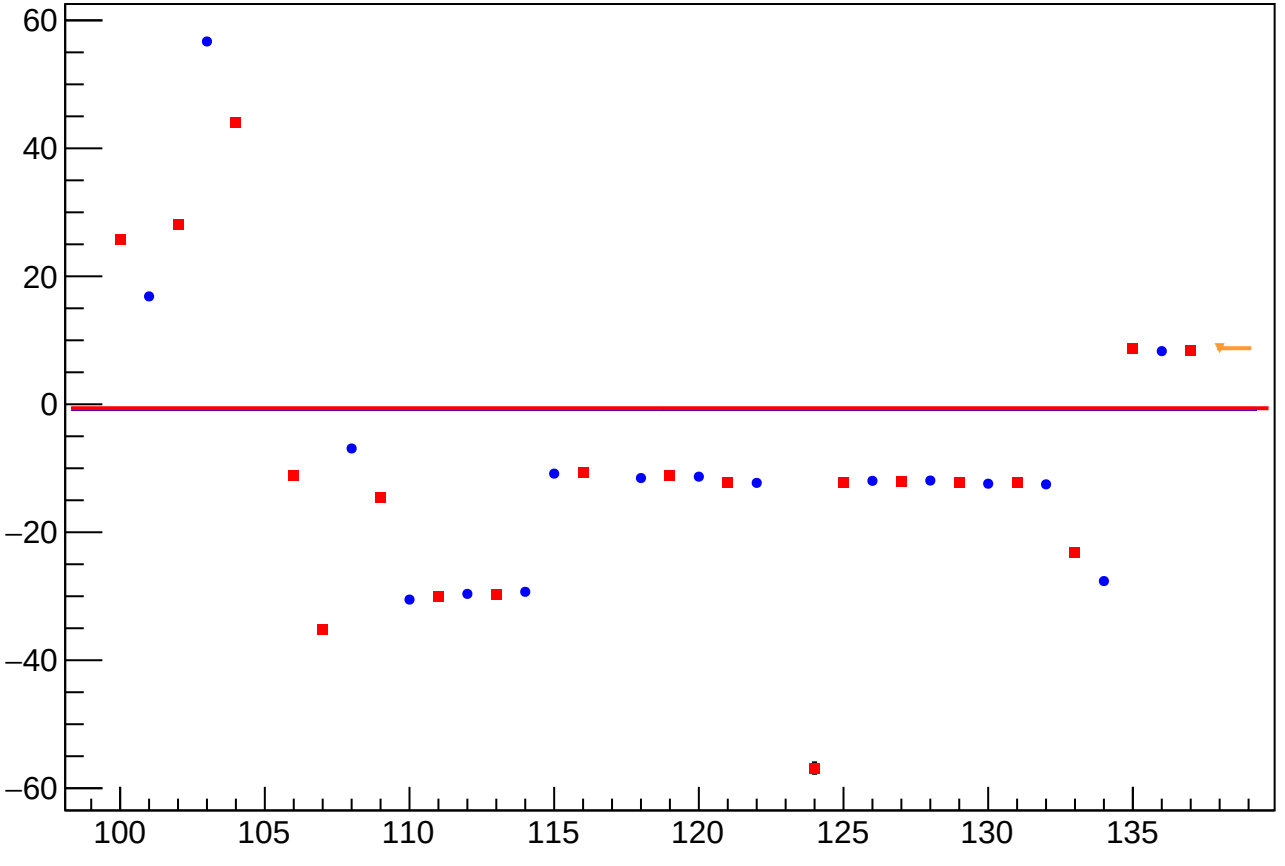
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 10.367+/-0.627 χ^2/NDF:359.8/15

Out: 9.220+/-0.596 χ^2/NDF:502.7/19

All: 9.765+/-0.432 χ^2/NDF: 864.3/35

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 8.761+/-0.057 χ^2/NDF:0.0/0

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 8.761+/-0.057 χ^2/NDF: 0.0/0

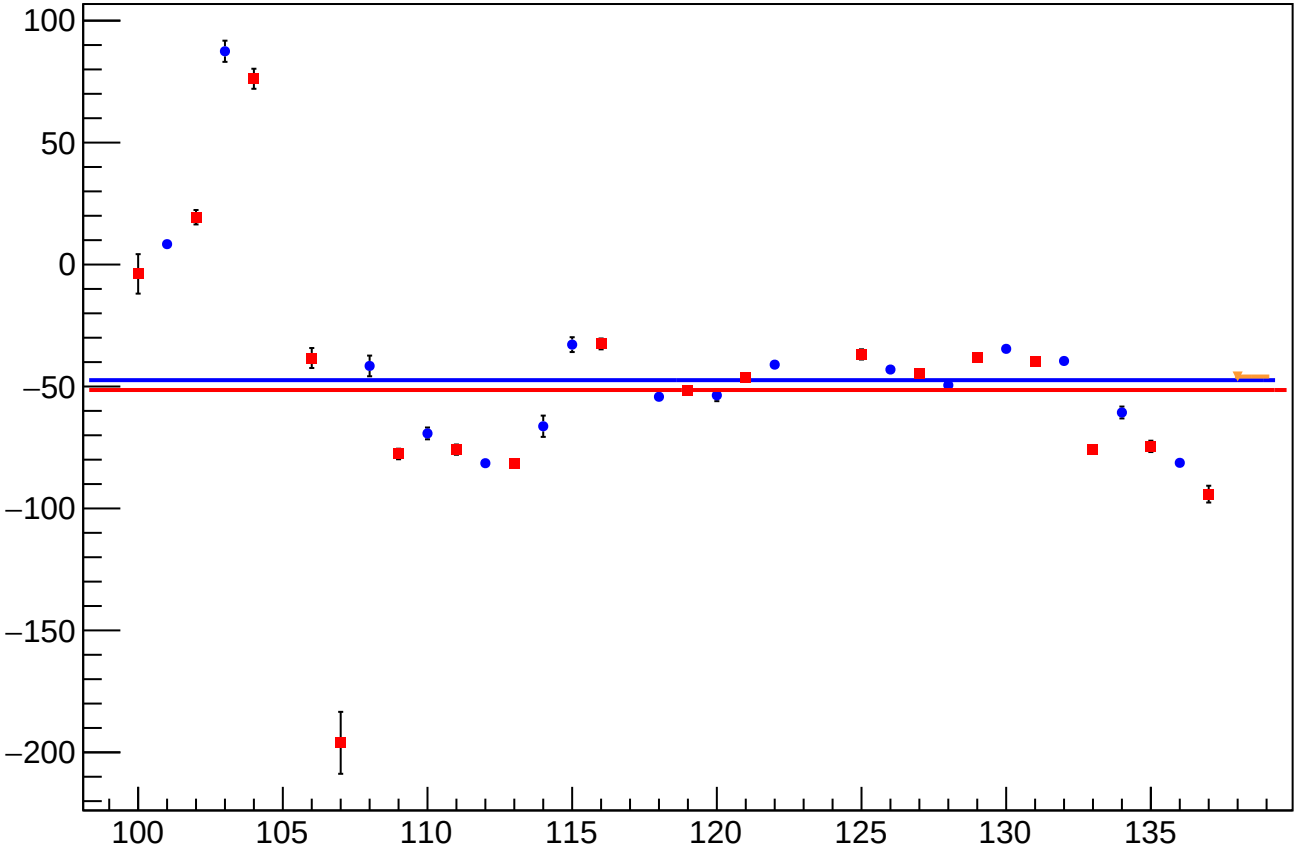
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: -0.745+/-0.036 χ^2/NDF:367993.9/15

Out: 2.199+/-0.031 χ^2/NDF:335452.2/19

All: 0.930+/-0.024 χ^2/NDF: 707277.6/35

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: -45.912+/-1.776 χ^2/NDF:0.0/0

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

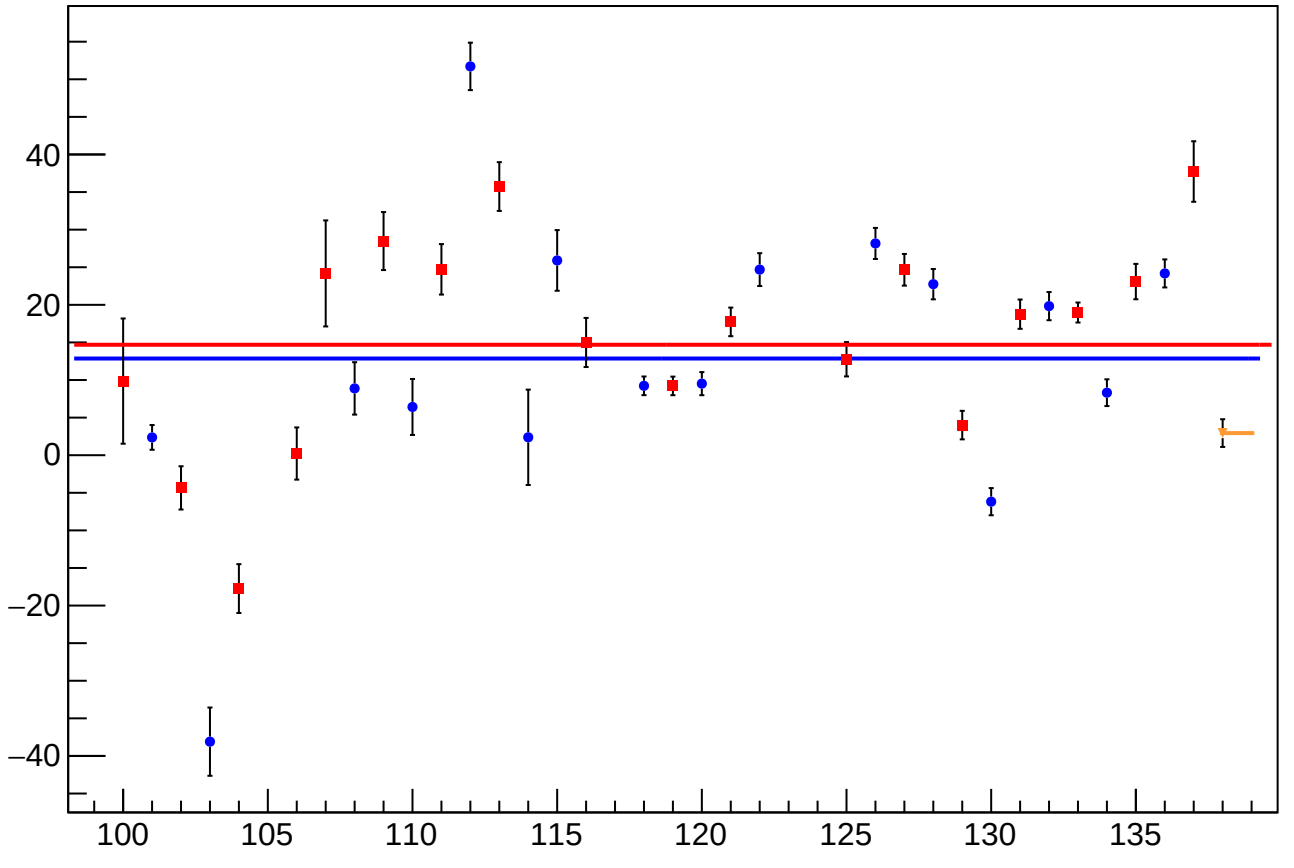
Left: -45.912+/-1.776 χ^2/NDF: 0.0/0

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -47.398+/-0.535 χ^2/NDF:2769.0/15

Out: -50.966+/-0.521 χ^2/NDF:2881.6/18

All: -49.229+/-0.373 χ^2/NDF: 5673.4/34



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 2.942+/-1.843 χ^2/NDF:0.0/0

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

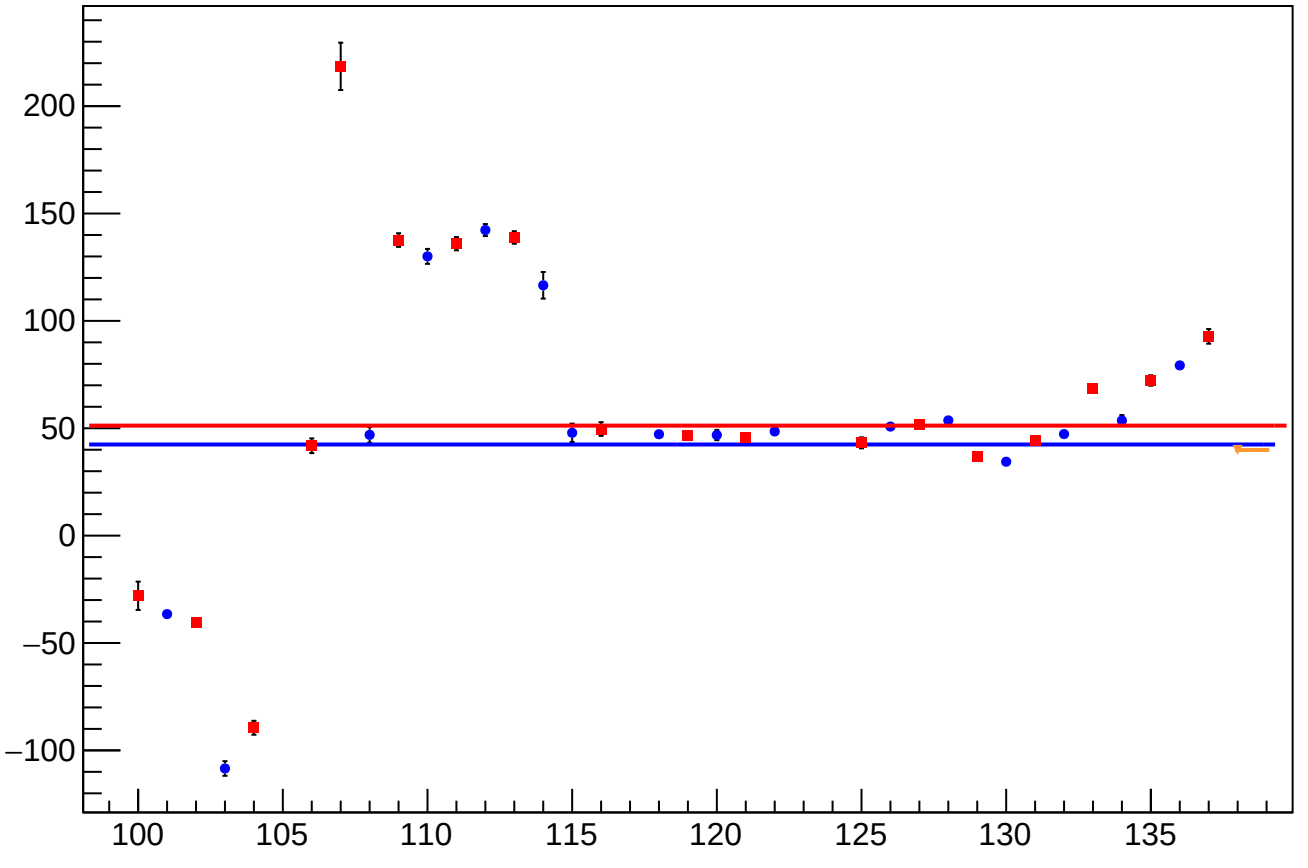
Left: 2.942+/-1.843 χ^2/NDF: 0.0/0

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 12.860+/-0.519 χ^2/NDF:625.5/15

Out: 13.748+/-0.522 χ^2/NDF:401.5/18

All: 13.301+/-0.368 χ^2/NDF: 1028.5/34



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 39.883+/-1.854 χ^2/NDF:0.0/0

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 39.883+/-1.854 χ^2/NDF: 0.0/0

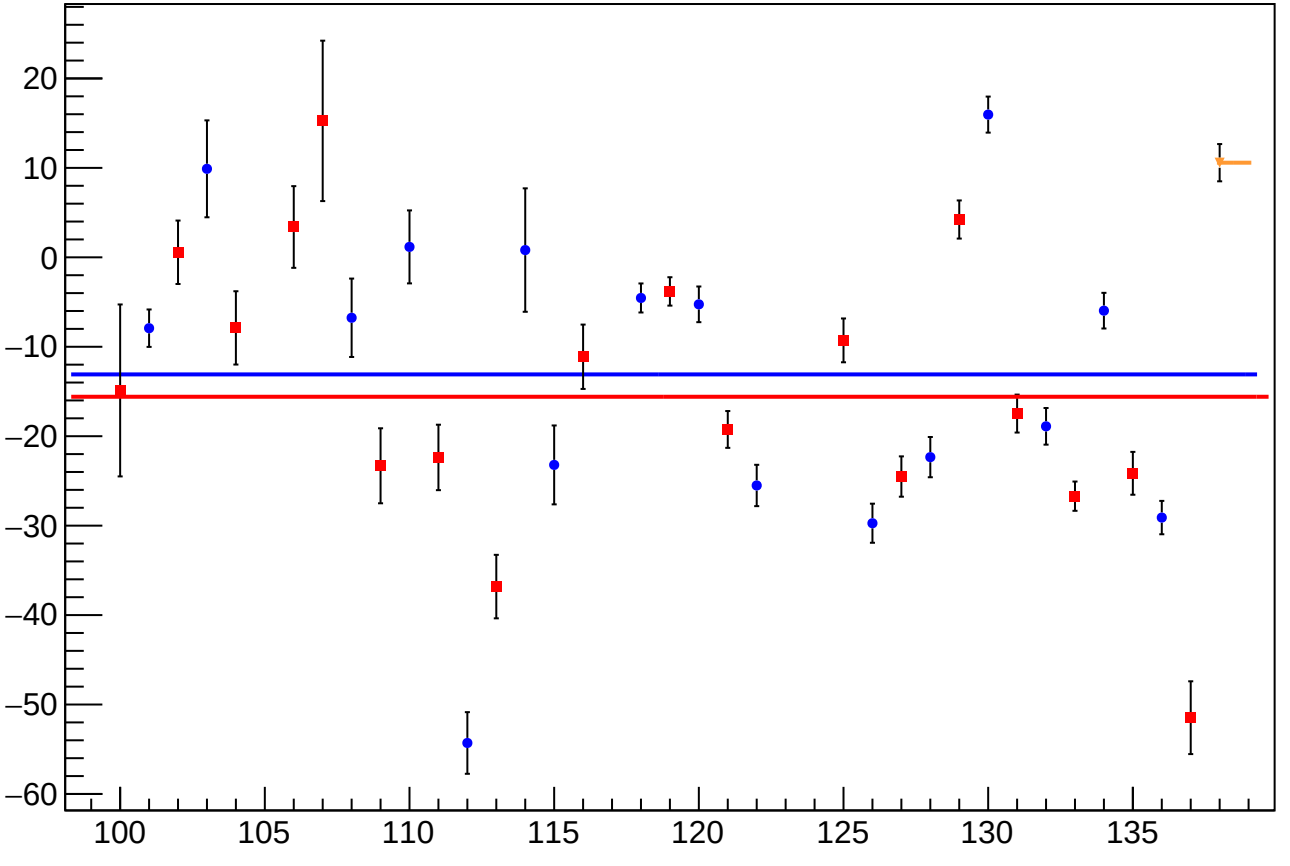
Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 42.437+/-0.584 χ^2/NDF:7168.9/15

Out: 50.102+/-0.584 χ^2/NDF:6645.0/18

All: 46.275+/-0.413 χ^2/NDF: 13900.1/34

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: 10.581+/-2.082 χ^2/NDF:0.0/0

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

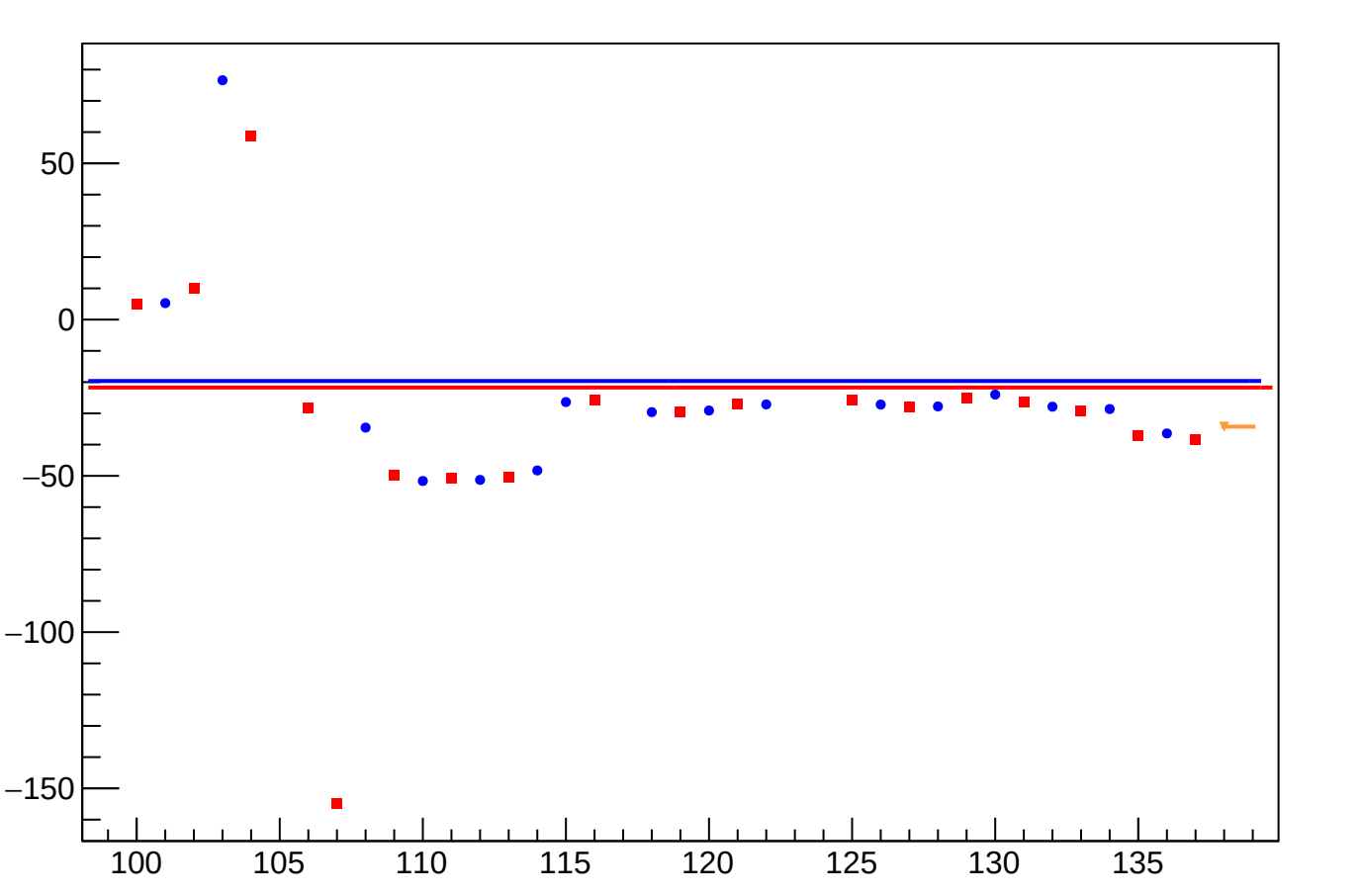
Left: 10.581+/-2.082 χ^2/NDF: 0.0/0

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -13.090+/-0.600 χ^2/NDF:639.9/15

Out: -13.415+/-0.600 χ^2/NDF:546.6/18

All: -13.252+/-0.424 χ^2/NDF: 1186.7/34



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -34.254+/-0.073 χ^2/NDF:0.0/0

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -34.254+/-0.073 χ^2/NDF: 0.0/0

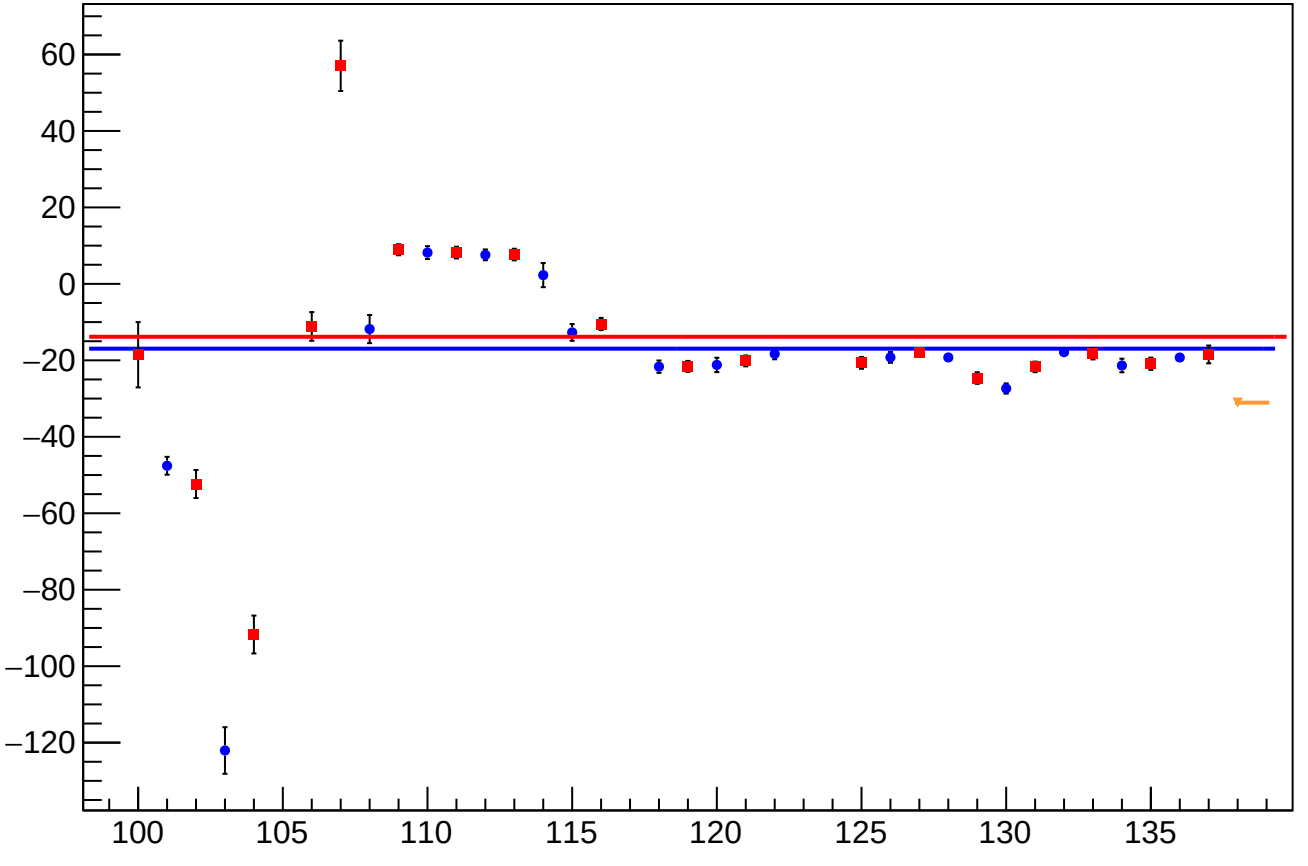
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -19.644+/-0.036 χ^2/NDF:646925.7/15

Out: -24.481+/-0.034 χ^2/NDF:569444.1/18

All: -22.183+/-0.025 χ^2/NDF: 1225787.7/34

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: -31.067+/-1.201 χ^2/NDF:0.0/0

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

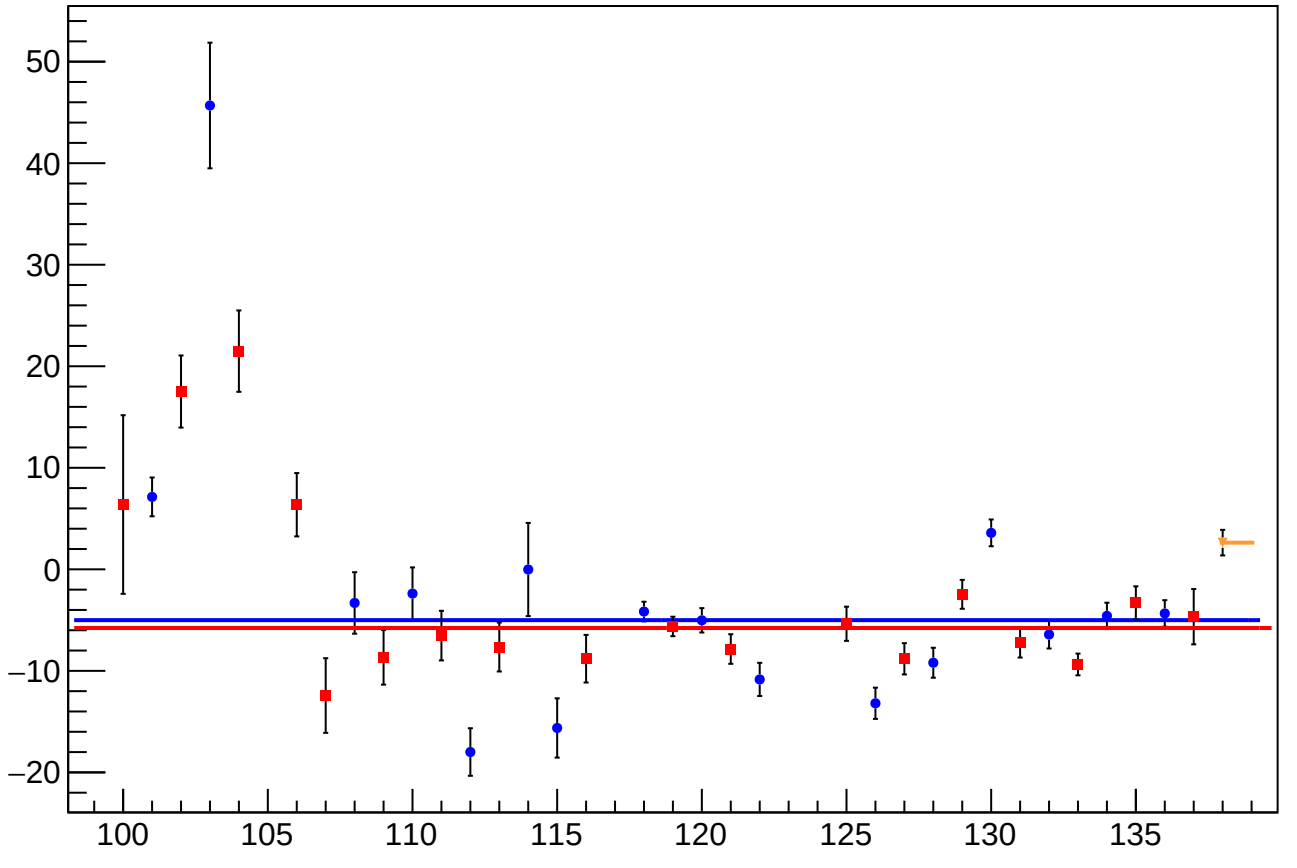
Left: -31.067+/-1.201 χ^2/NDF: 0.0/0

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -16.949+/-0.404 χ^2/NDF:1128.2/15

Out: -15.630+/-0.387 χ^2/NDF:1517.6/18

All: -16.262+/-0.280 χ^2/NDF: 2651.4/34



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: 2.627+/-1.260 χ^2/NDF:0.0/0

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 2.627+/-1.260 χ^2/NDF: 0.0/0

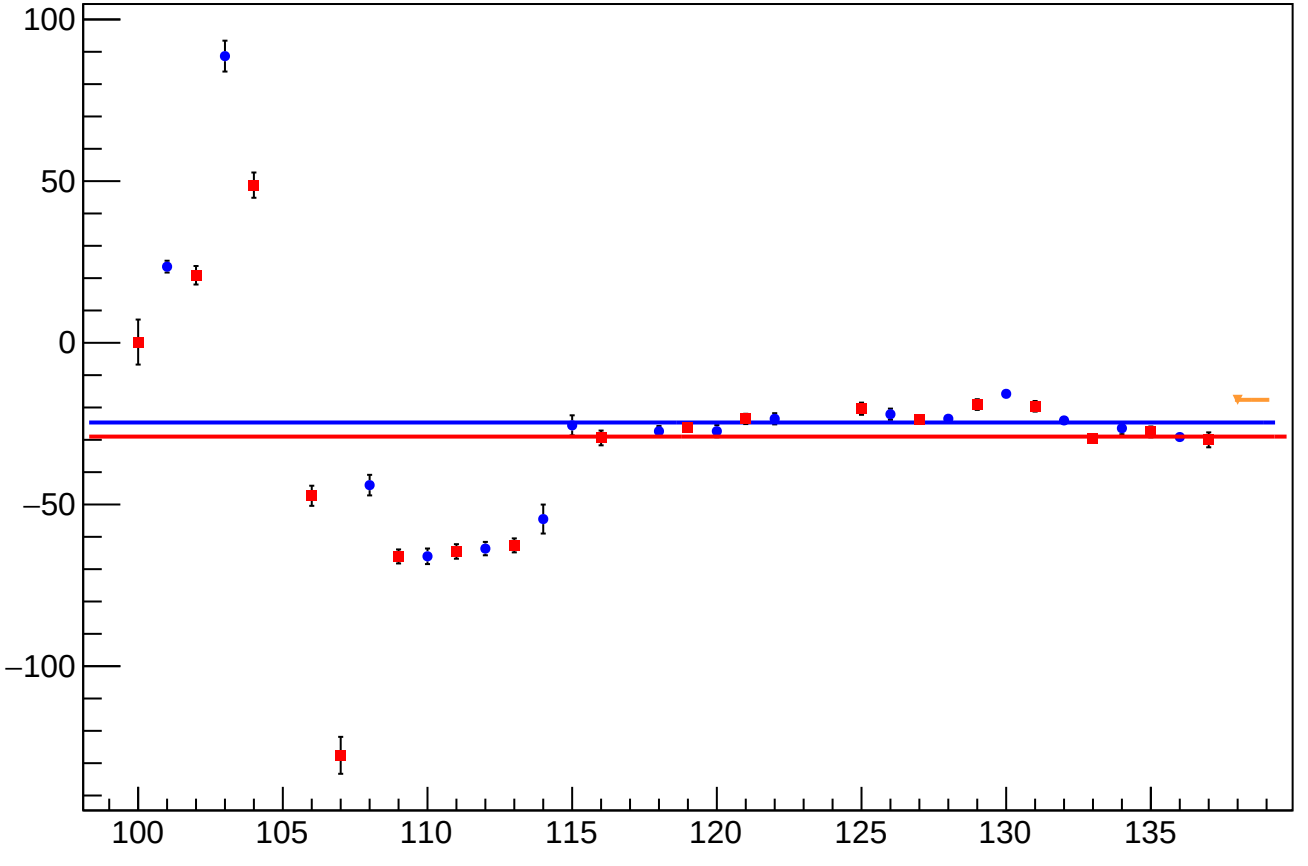
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -5.006+/-0.401 χ^2/NDF:247.8/15

Out: -4.941+/-0.398 χ^2/NDF:179.4/18

All: -4.973+/-0.283 χ^2/NDF: 427.2/34

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: -17.630+/-1.254 χ^2/NDF:0.0/0

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

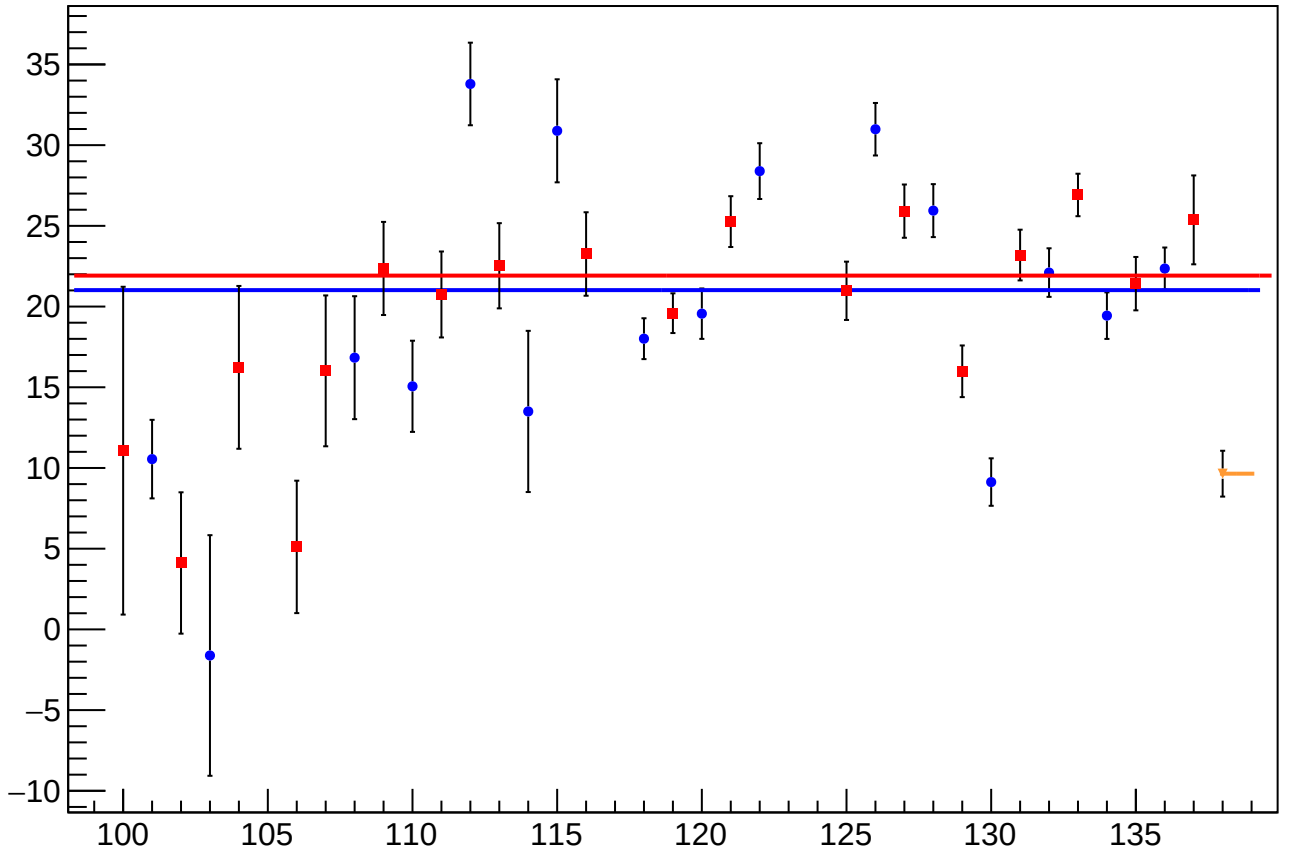
Left: -17.630+/-1.254 χ^2/NDF: 0.0/0

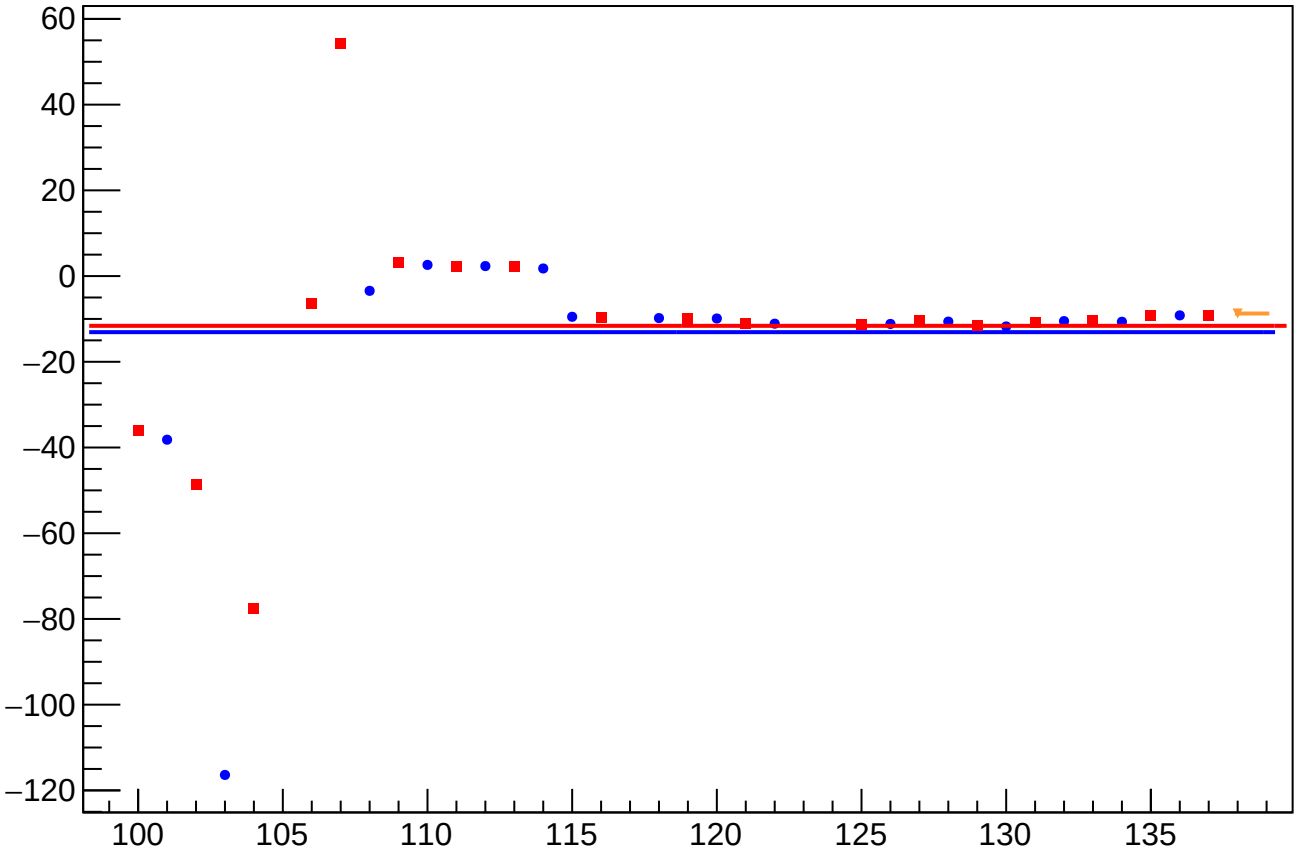
Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -24.641+/-0.455 χ^2/NDF:2051.8/15

Out: -27.574+/-0.444 χ^2/NDF:2024.2/18

All: -26.142+/-0.318 χ^2/NDF: 4097.3/34


reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
−10
100
105
110
115
120
125
130
135
Right In: 21.019+/-0.458 χ2/NDF: 209.6/15
Left Out: 9.647+/-1.420 χ2/NDF:0.0/0
Right Out: 21.918+/-0.478 χ2/NDF: 82.5/17
Left In: 0.000+/-0.000 χ2/NDF:0.0/0
Left: 9.647+/-1.420 χ2/NDF: 0.0/0
Right: 21.449+/-0.331 χ2/NDF: 294.0/33
In: 21.019+/-0.458 χ2/NDF:209.6/15
Out: 20.666+/-0.453 χ2/NDF:149.6/18
All: 20.841+/-0.322 χ2/NDF: 359.5/34



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.739+/-0.049 χ^2/NDF:0.0/0

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

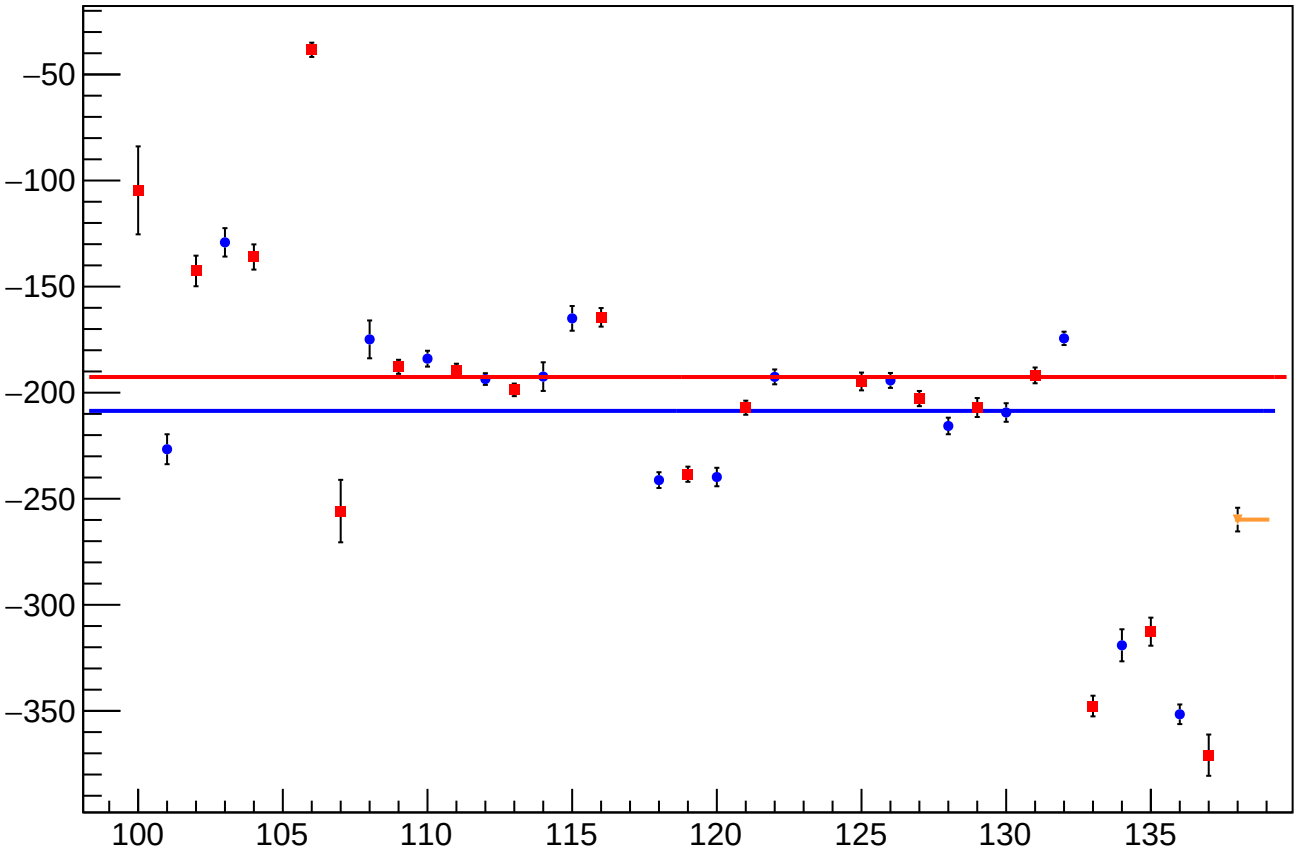
Left: -8.739+/-0.049 χ^2/NDF: 0.0/0

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -13.086+/-0.028 χ^2/NDF:344941.2/15

Out: -10.803+/-0.026 χ^2/NDF:316611.1/18

All: -11.852+/-0.019 χ^2/NDF: 665042.7/34



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -259.829+/-5.581 χ^2/NDF:0.0/0

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

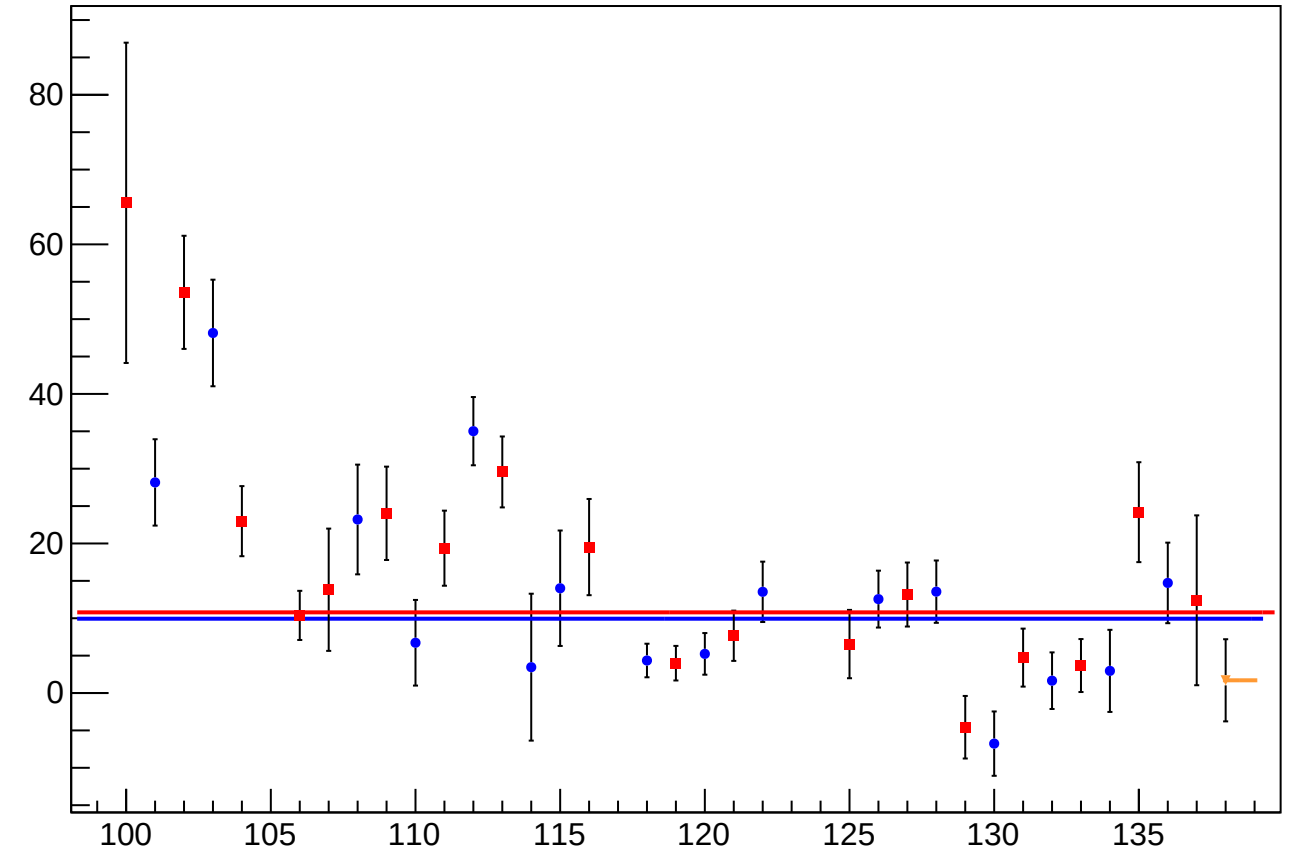
Left: -259.829+/-5.581 χ^2/NDF: 0.0/0

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -208.586+/-1.067 χ^2/NDF:1751.1/15

Out: -194.703+/-0.983 χ^2/NDF:4347.6/18

All: -201.081+/-0.723 χ^2/NDF: 6190.4/34



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 1.701+/-5.493 χ^2/NDF:0.0/0

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.701+/-5.493 χ^2/NDF: 0.0/0

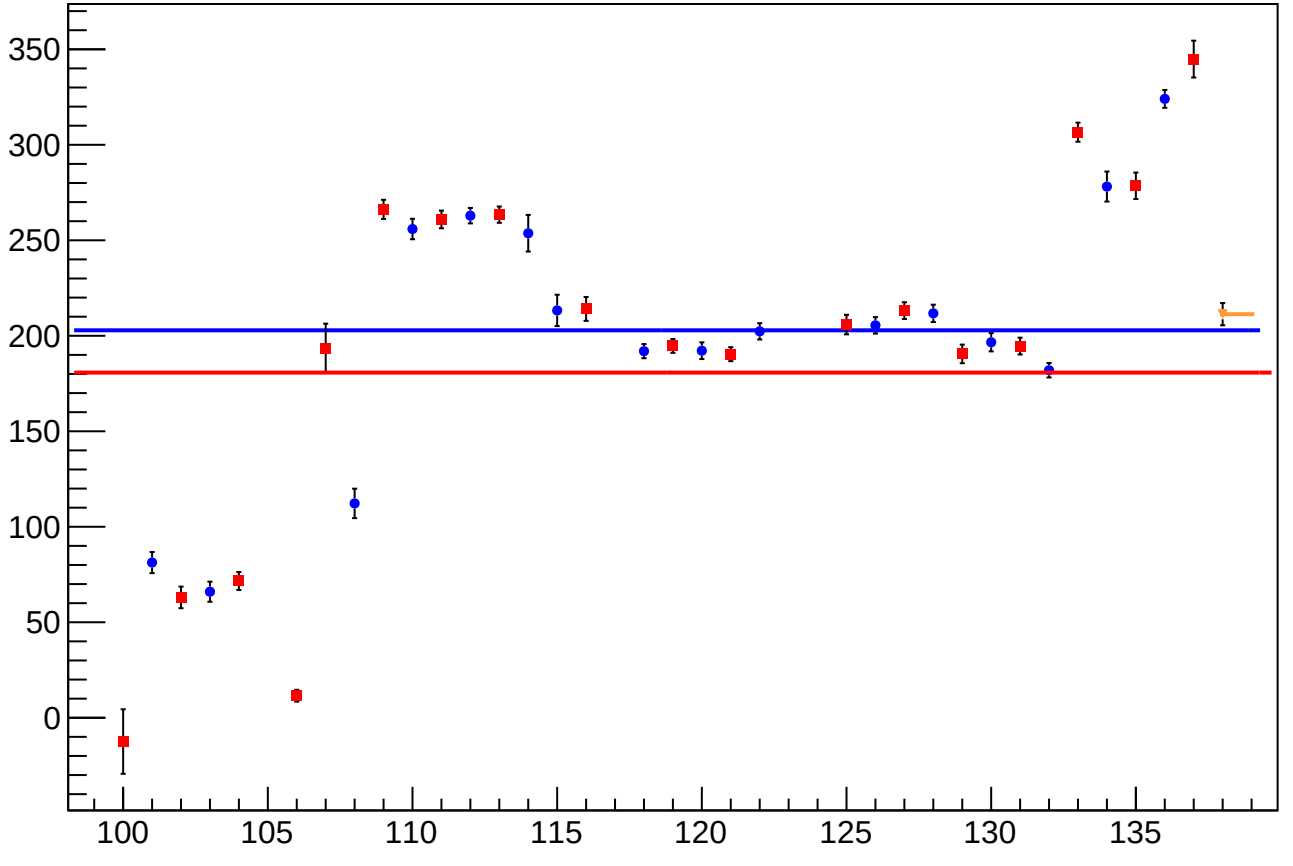
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 9.938+/-1.065 χ^2/NDF:106.6/15

Out: 10.472+/-1.025 χ^2/NDF:107.7/18

All: 10.215+/-0.739 χ^2/NDF: 214.4/34

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: 211.313+/-5.823 χ^2/NDF:0.0/0

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 211.313+/-5.823 χ^2/NDF: 0.0/0

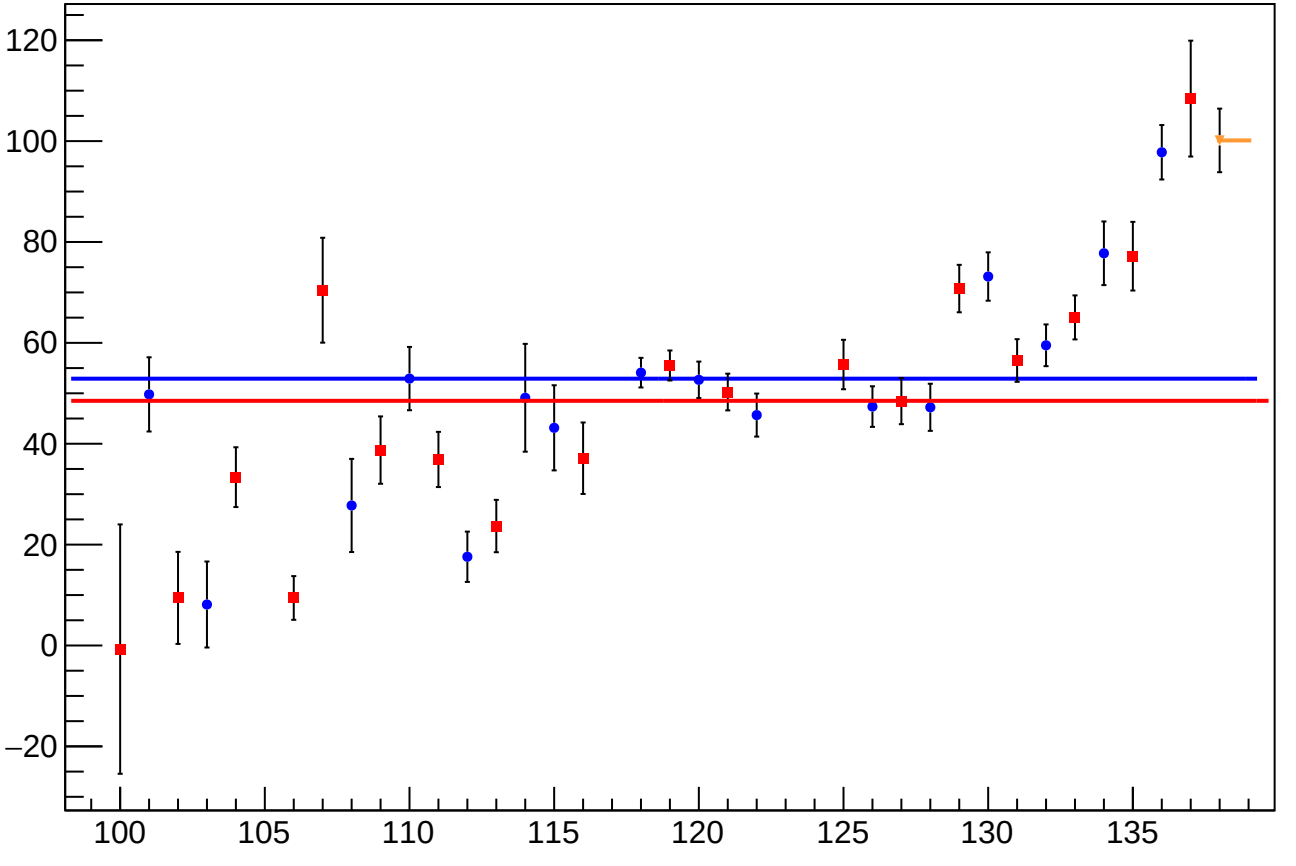
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 202.874+/-1.226 χ^2/NDF:2464.2/15

Out: 181.867+/-1.122 χ^2/NDF:6374.4/18

All: 191.447+/-0.828 χ^2/NDF: 8998.5/34

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: 100.136+/-6.302 χ^2/NDF:0.0/0

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

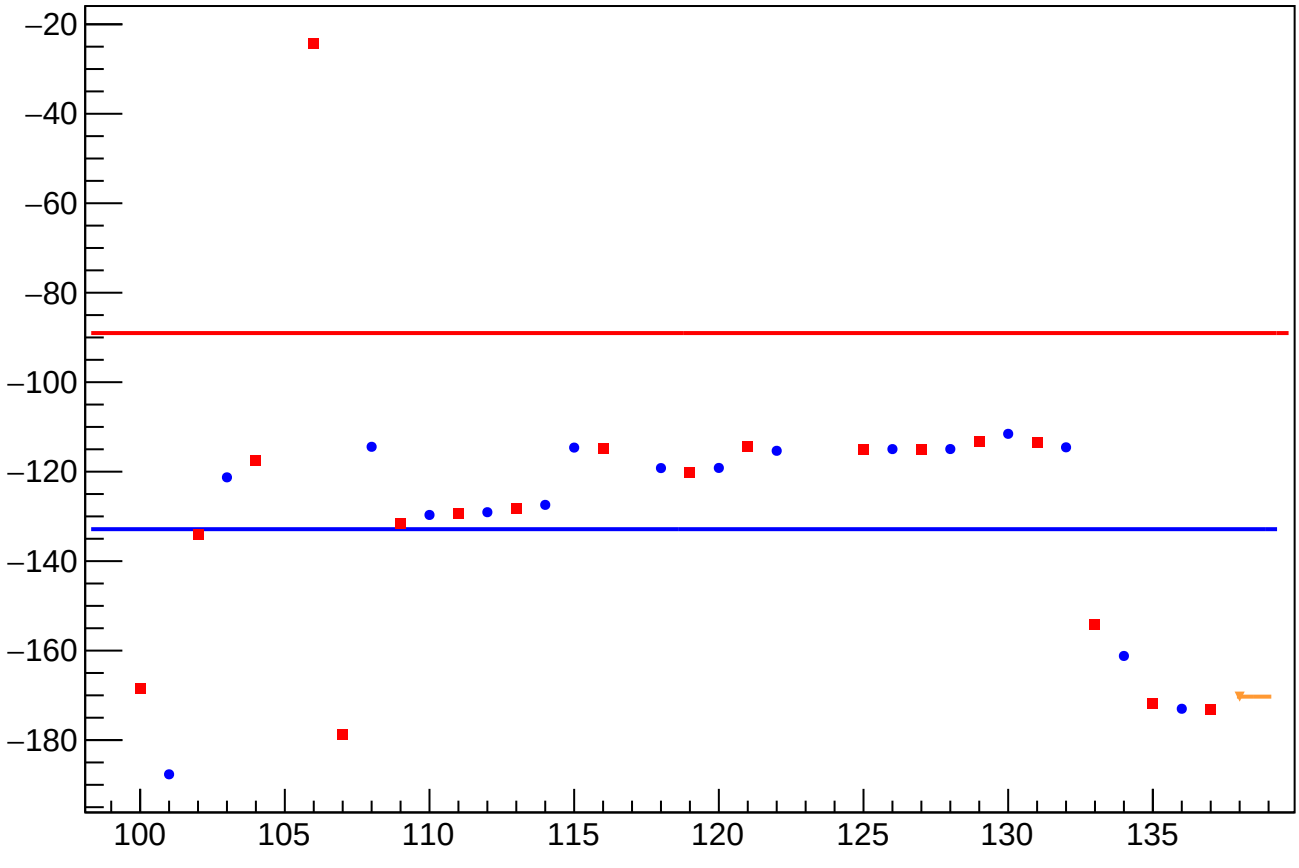
Left: 100.136+/-6.302 χ^2/NDF: 0.0/0

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 52.899+/-1.242 χ^2/NDF:198.3/15

Out: 50.358+/-1.192 χ^2/NDF:304.7/18

All: 51.577+/-0.860 χ^2/NDF: 505.2/34



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -170.290+/-0.234 χ^2/NDF:0.0/0

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -170.290+/-0.234 χ^2/NDF: 0.0/0

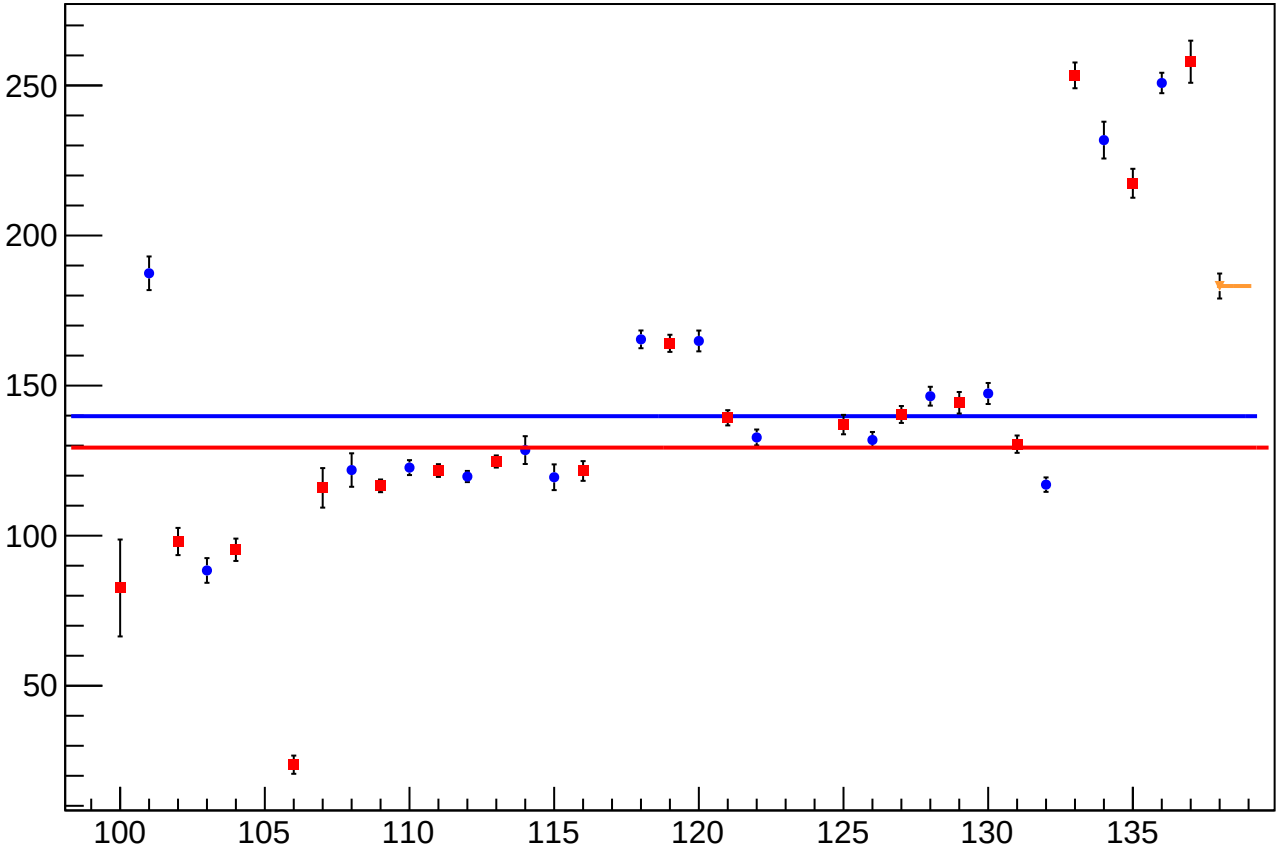
Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -132.856+/-0.081 χ^2/NDF:93497.9/15

Out: -94.700+/-0.062 χ^2/NDF:840217.2/18

All: -108.686+/-0.049 χ^2/NDF: 1073057.5/34

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 183.174+/-4.162 χ^2/NDF:0.0/0

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

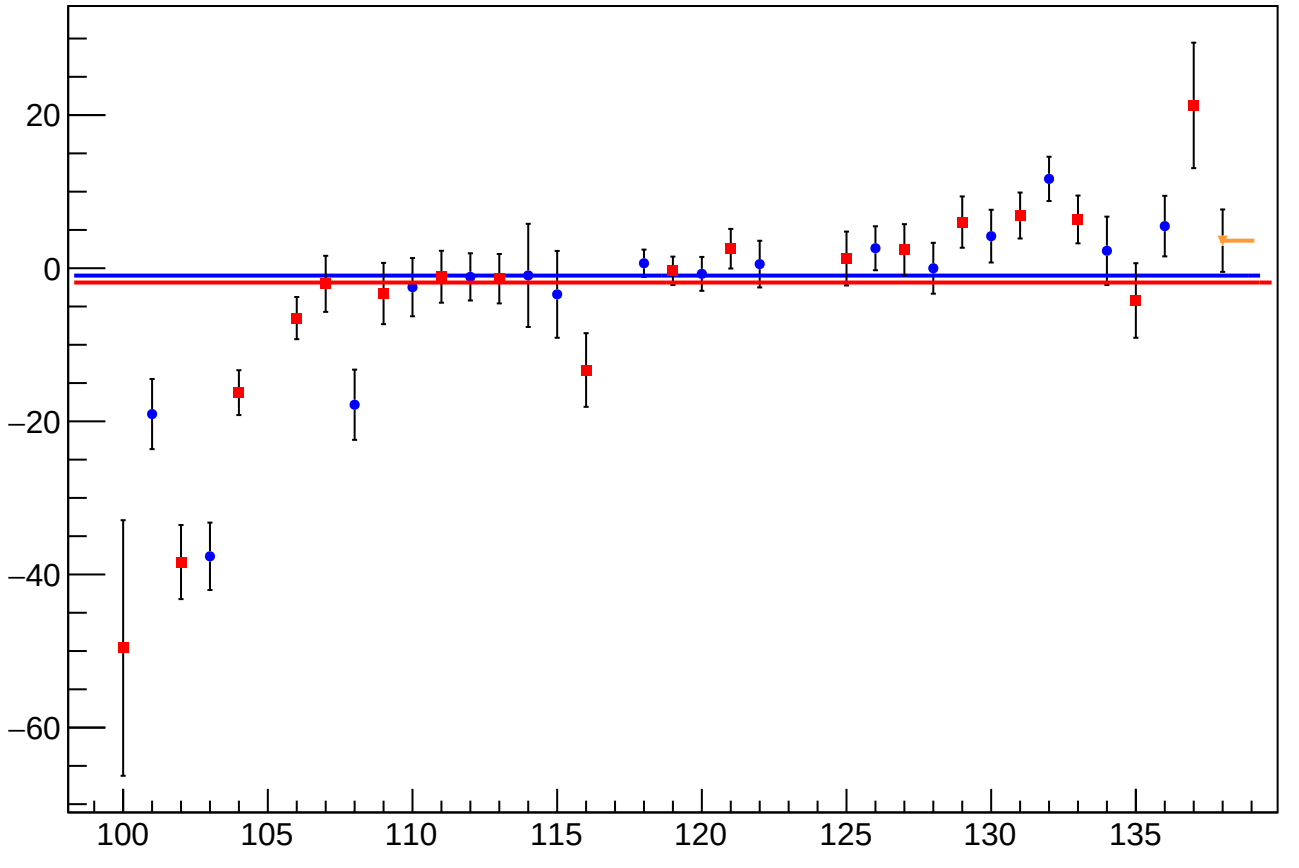
Left: 183.174+/-4.162 χ^2/NDF: 0.0/0

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 139.810+/-0.785 χ^2/NDF:1964.9/15

Out: 130.969+/-0.723 χ^2/NDF:3285.8/18

All: 135.030+/-0.532 χ^2/NDF: 5319.4/34



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: 3.599+/-4.076 χ^2/NDF:0.0/0

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

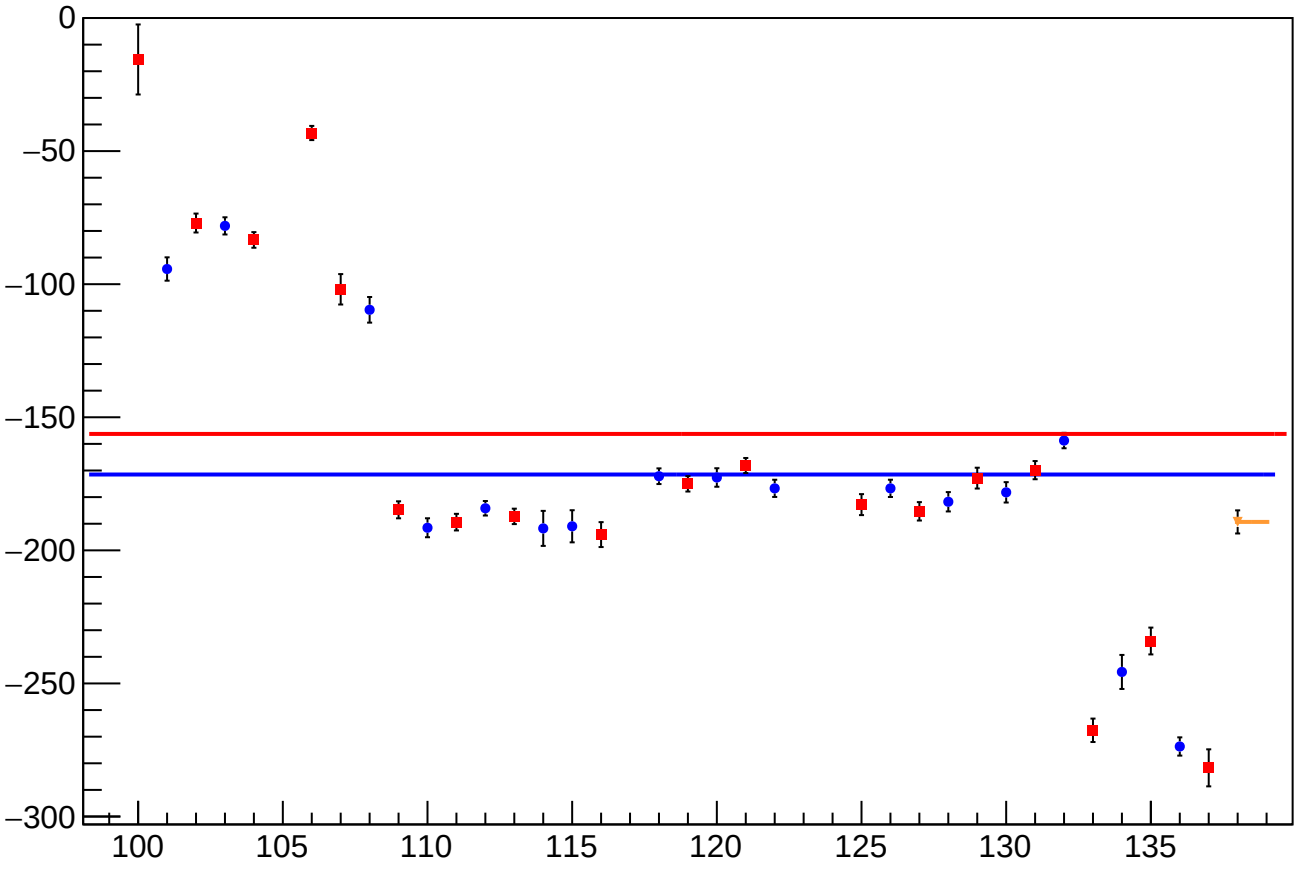
Left: 3.599+/-4.076 χ^2/NDF: 0.0/0

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -0.963+/-0.808 χ^2/NDF:126.1/15

Out: -1.674+/-0.770 χ^2/NDF:134.9/18

All: -1.336+/-0.557 χ^2/NDF: 261.4/34



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -189.316+/-4.342 χ^2/NDF:0.0/0

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

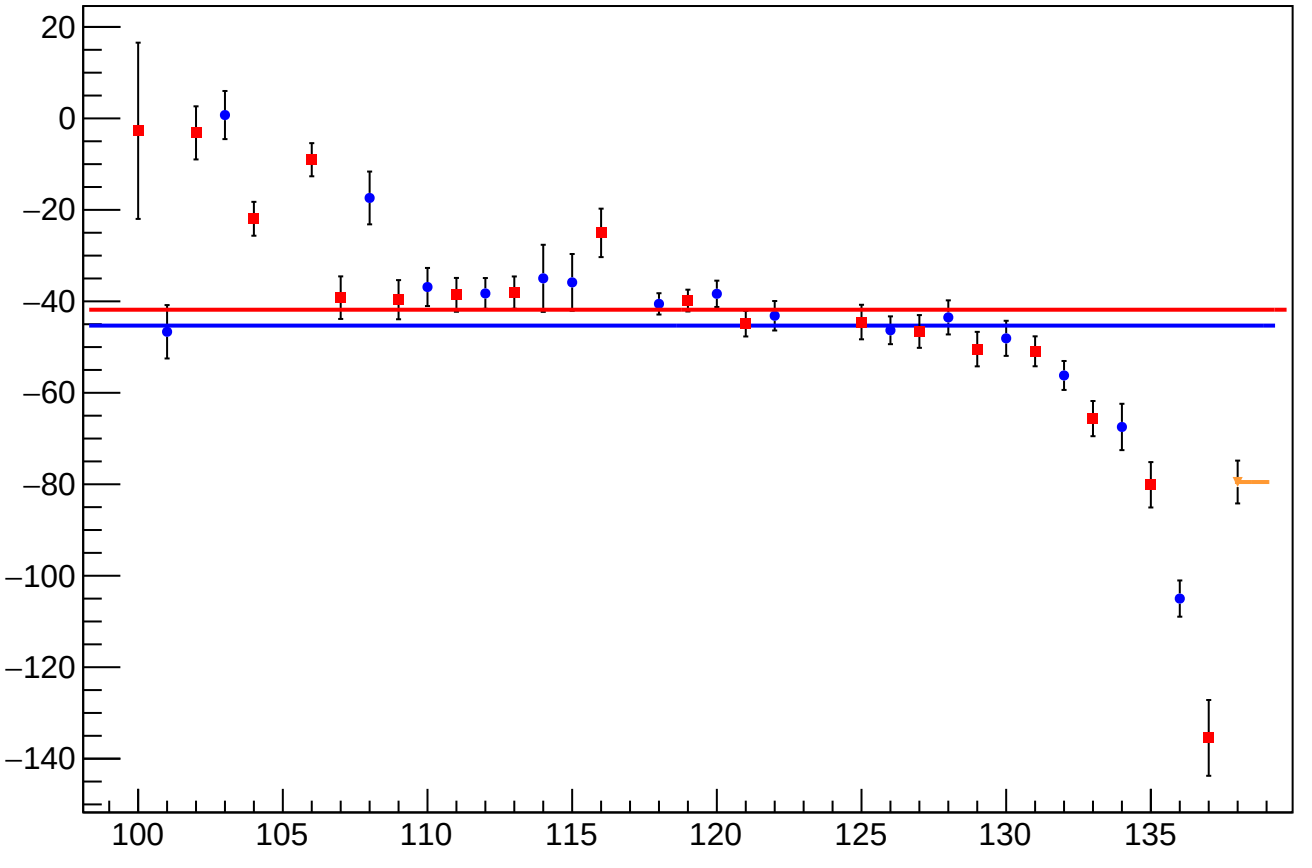
Left: -189.316+/-4.342 χ^2/NDF: 0.0/0

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -171.506+/-0.907 χ^2/NDF:2442.8/15

Out: -157.473+/-0.832 χ^2/NDF:4960.2/18

All: -163.884+/-0.613 χ^2/NDF: 7533.1/34



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -79.507+/-4.681 χ^2/NDF:0.0/0

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -79.507+/-4.681 χ^2/NDF: 0.0/0

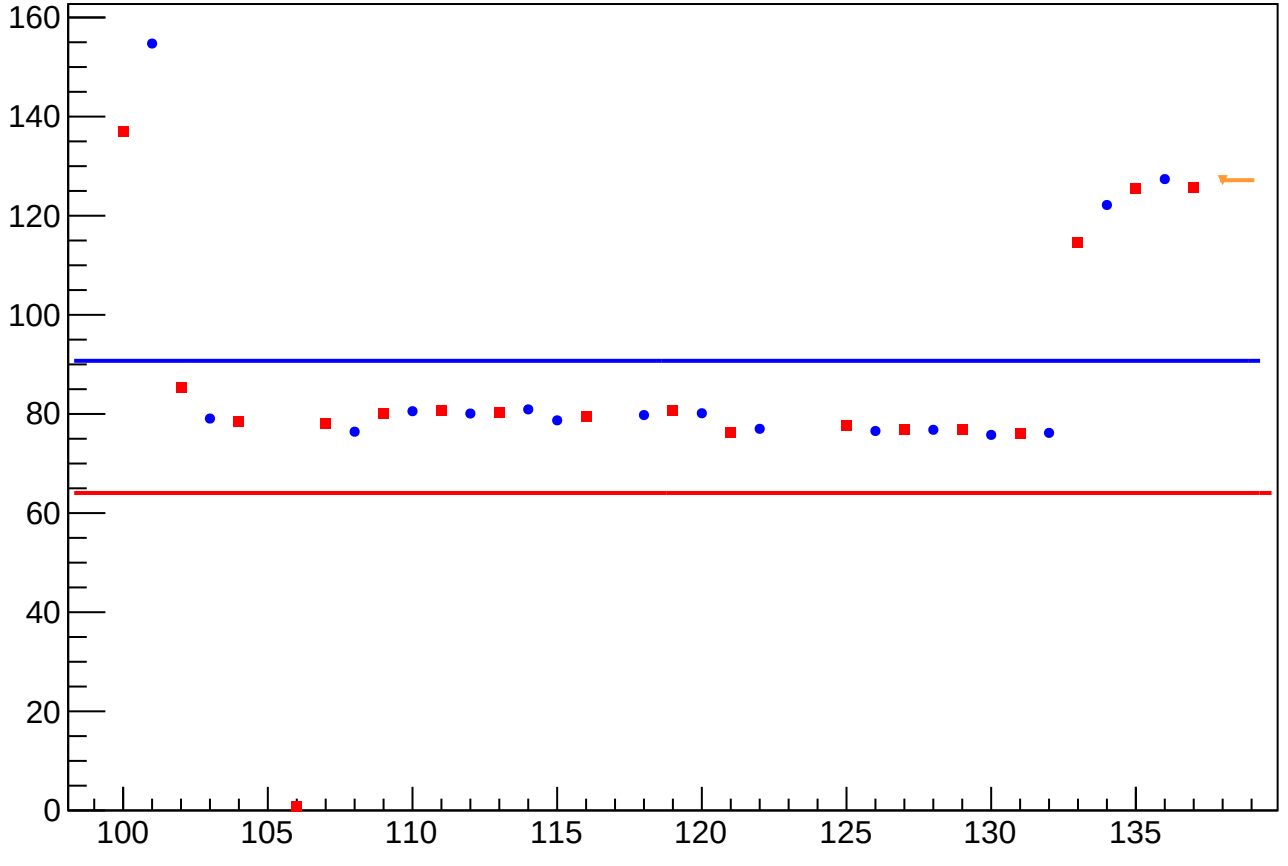
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -45.304+/-0.938 χ^2/NDF:382.0/15

Out: -43.202+/-0.893 χ^2/NDF:476.7/18

All: -44.201+/-0.647 χ^2/NDF: 861.3/34

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 127.172+/-0.175 χ^2/NDF:0.0/0

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

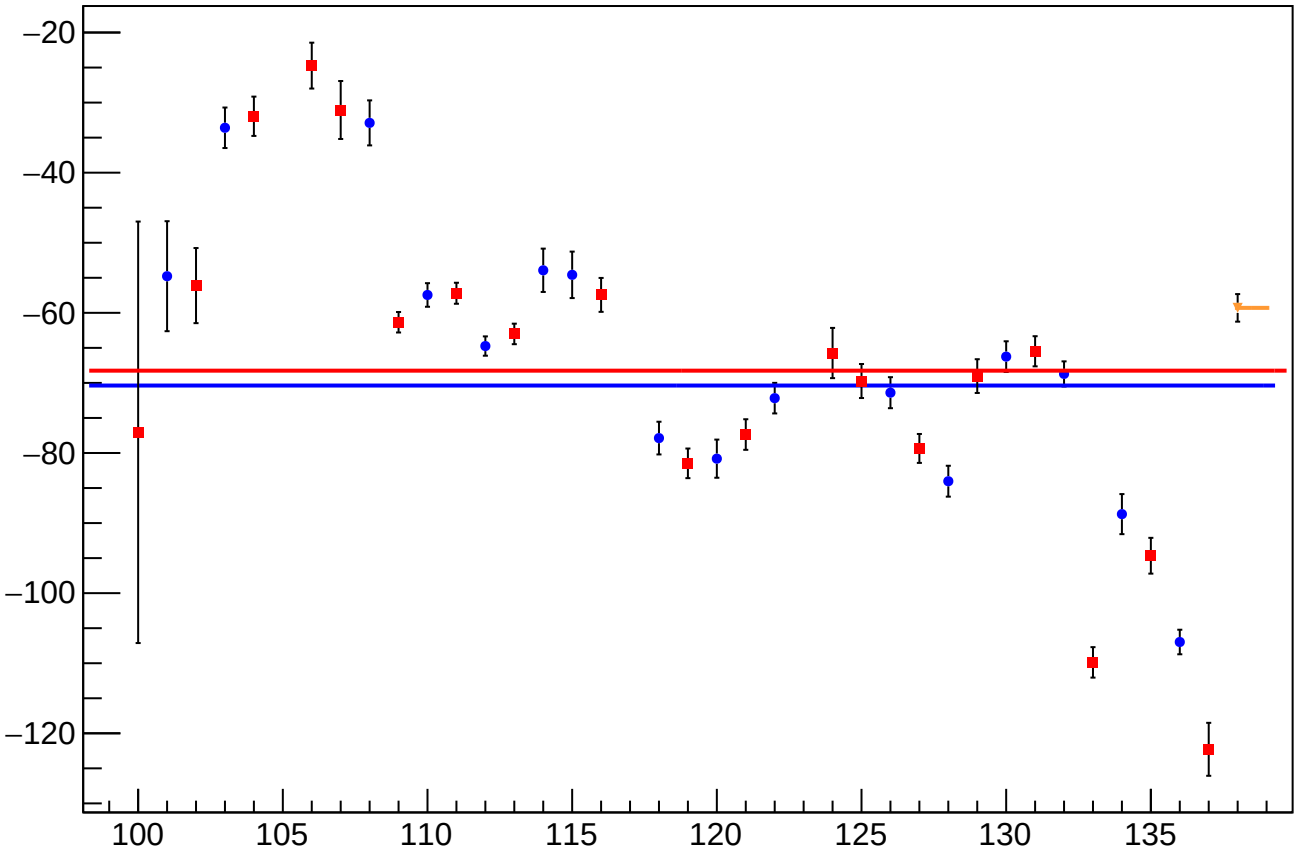
Left: 127.172+/-0.175 χ^2/NDF: 0.0/0

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 90.726+/-0.058 χ^2/NDF:161153.0/15

Out: 68.710+/-0.047 χ^2/NDF:781727.0/18

All: 77.448+/-0.037 χ^2/NDF: 1028345.1/34



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -59.292+/-1.967 χ^2/NDF:0.0/0

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

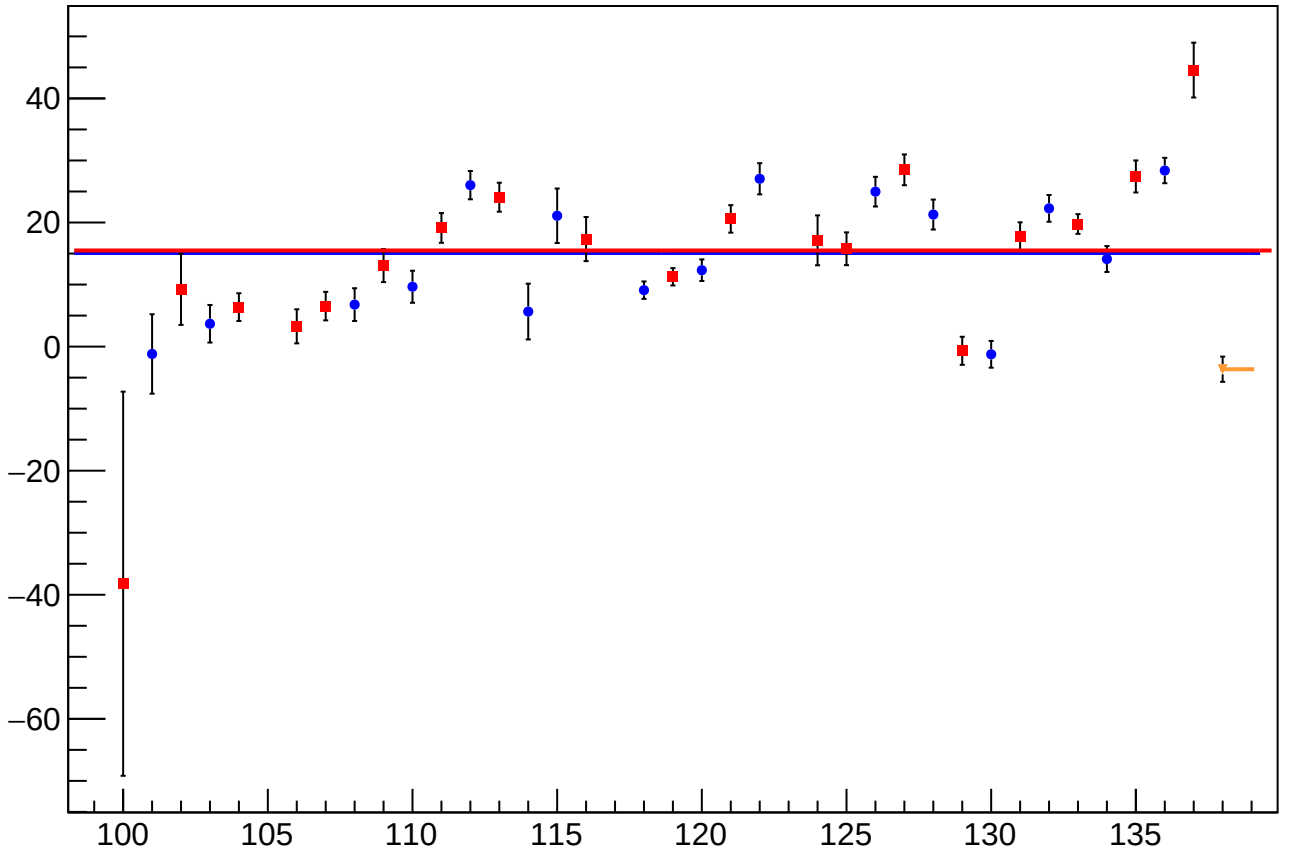
Left: -59.292+/-1.967 χ^2/NDF: 0.0/0

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -70.374+/-0.558 χ^2/NDF:974.9/15

Out: -67.652+/-0.509 χ^2/NDF:1325.3/19

All: -68.889+/-0.376 χ^2/NDF: 2313.2/35



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: -3.647+/-2.034 χ^2/NDF:0.0/0

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

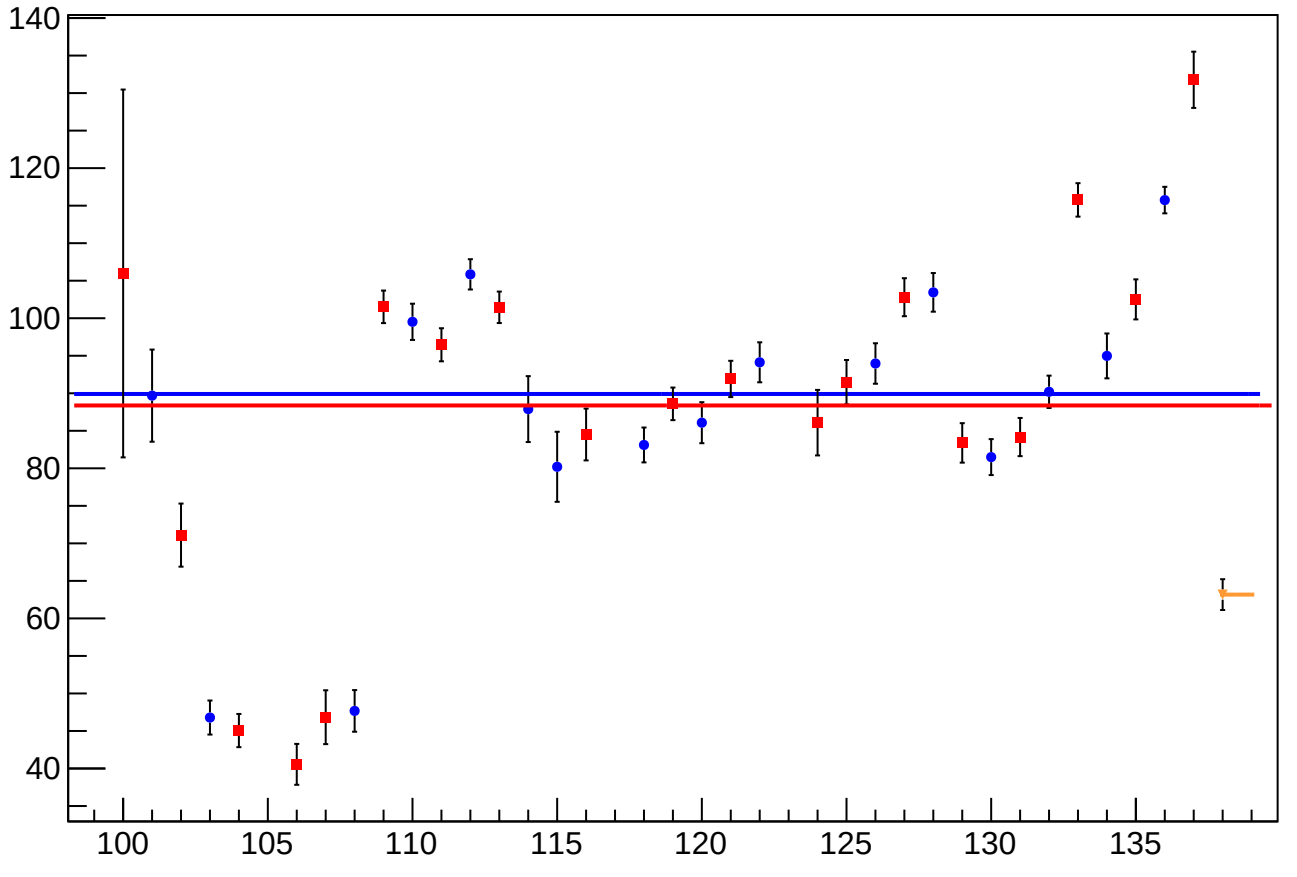
Left: -3.647+/-2.034 χ^2/NDF: 0.0/0

Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 15.092+/-0.581 χ^2/NDF:242.4/15

Out: 14.151+/-0.538 χ^2/NDF:321.6/19

All: 14.586+/-0.395 χ^2/NDF: 565.5/35



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 63.173+/-2.053 χ^2/NDF:0.0/0

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

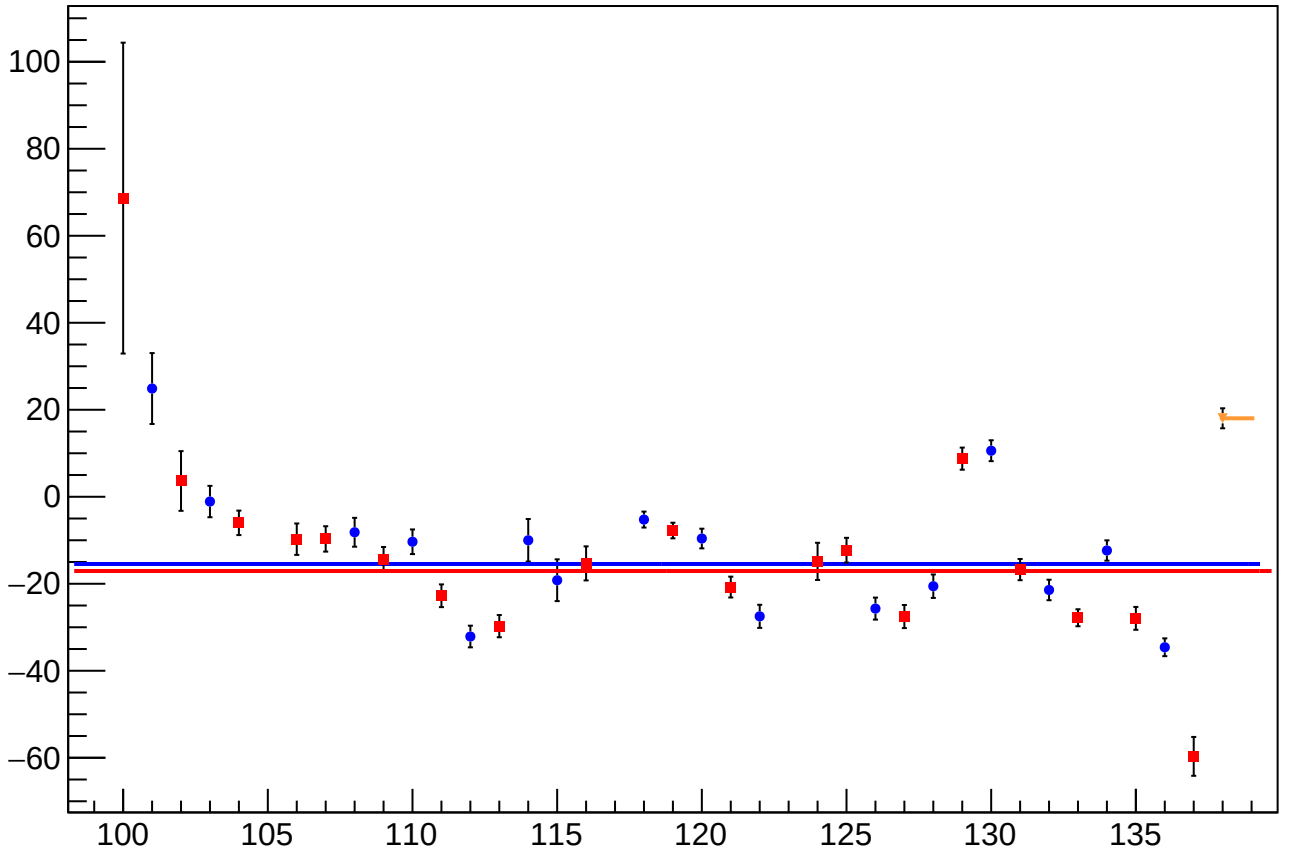
Left: 63.173+/-2.053 χ^2/NDF: 0.0/0

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 89.907+/-0.641 χ^2/NDF:947.7/15

Out: 86.285+/-0.591 χ^2/NDF:1427.0/19

All: 87.951+/-0.435 χ^2/NDF: 2392.0/35



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: 18.039+/-2.301 χ^2/NDF:0.0/0

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

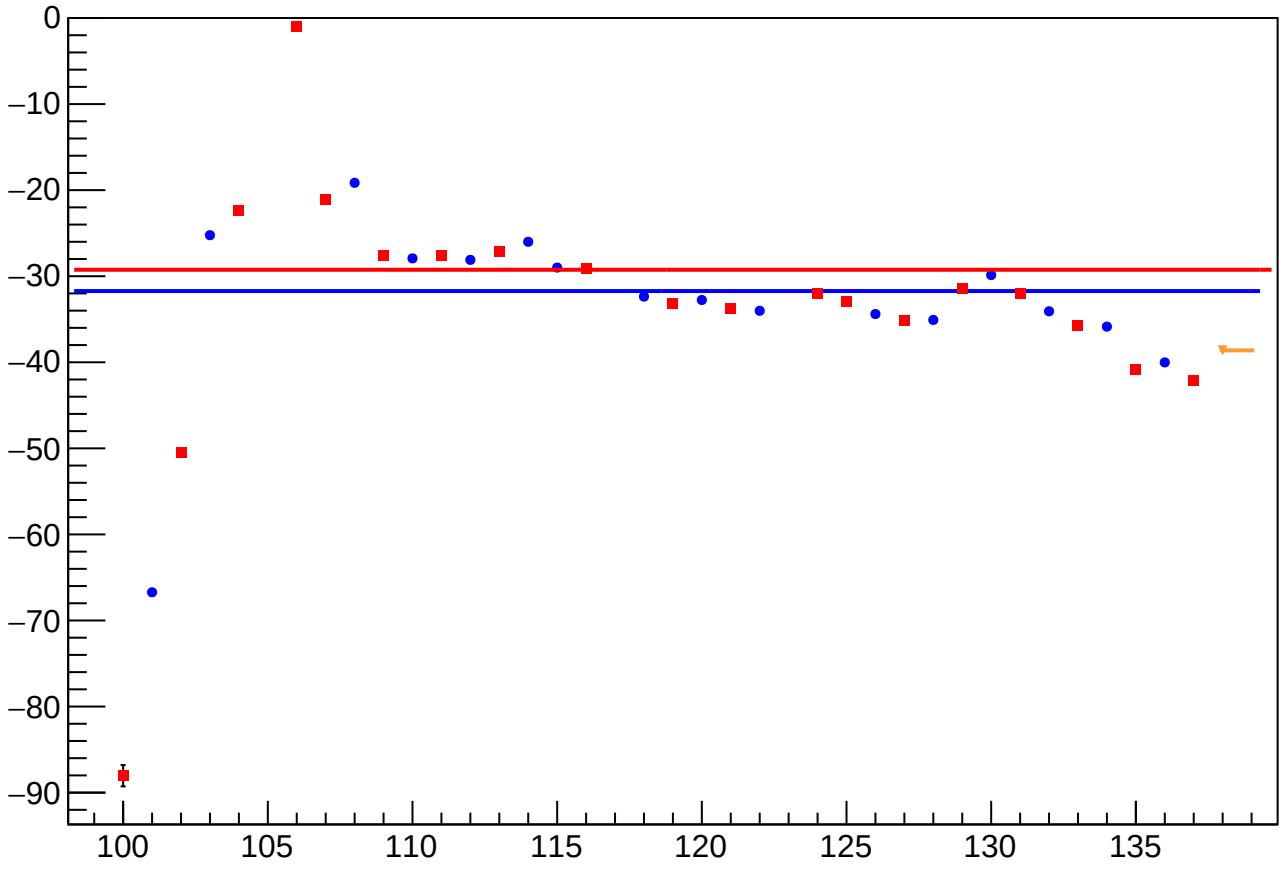
Left: 18.039+/-2.301 χ^2/NDF: 0.0/0

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -15.454+/-0.665 χ^2/NDF:386.5/15

Out: -14.518+/-0.620 χ^2/NDF:576.9/19

All: -14.953+/-0.454 χ^2/NDF: 964.5/35



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -38.619+/-0.081 χ^2/NDF:0.0/0

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

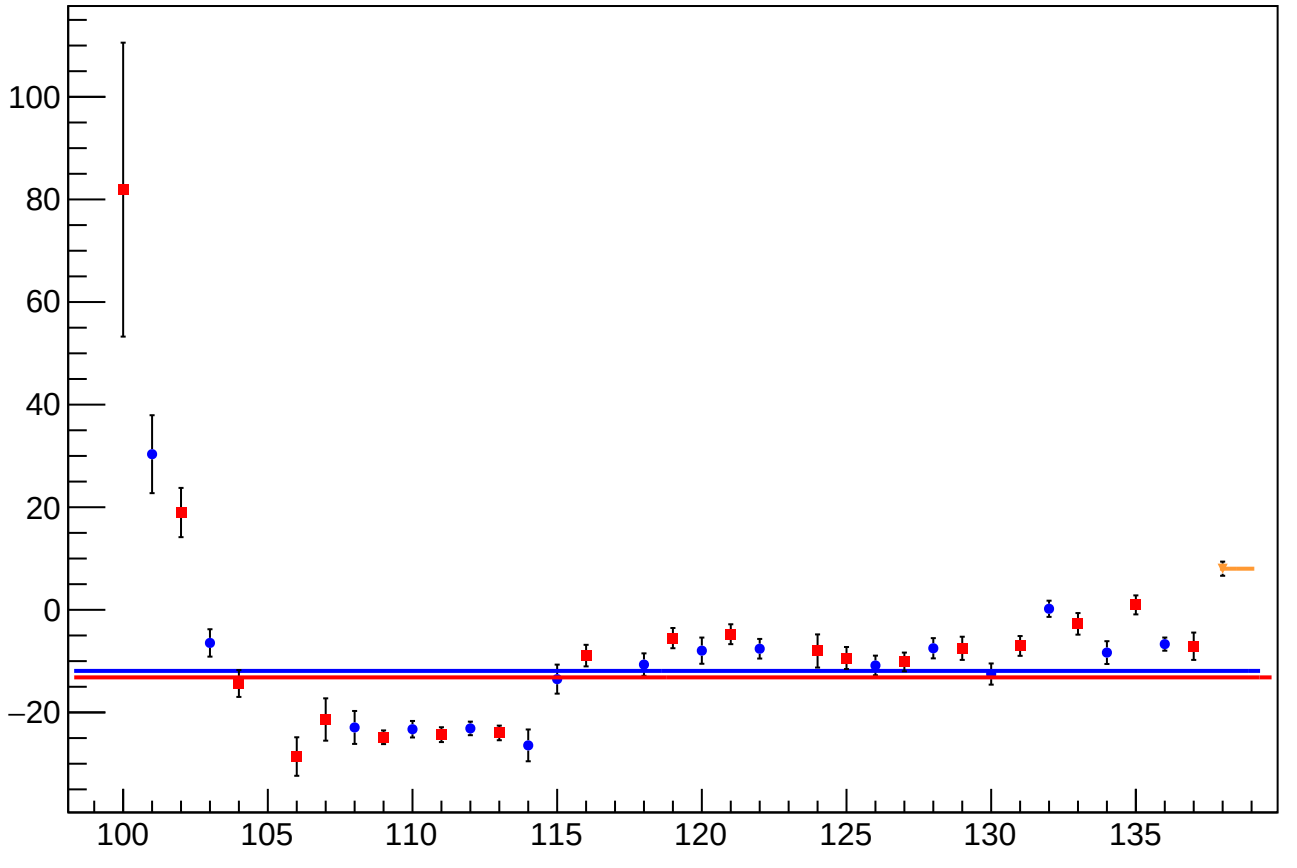
Left: -38.619+/-0.081 χ^2/NDF: 0.0/0

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -31.725+/-0.039 χ^2/NDF:39636.6/15

Out: -30.964+/-0.035 χ^2/NDF:106111.9/19

All: -31.305+/-0.026 χ^2/NDF: 145963.6/35



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 8.017+/-1.380 χ^2/NDF:0.0/0

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

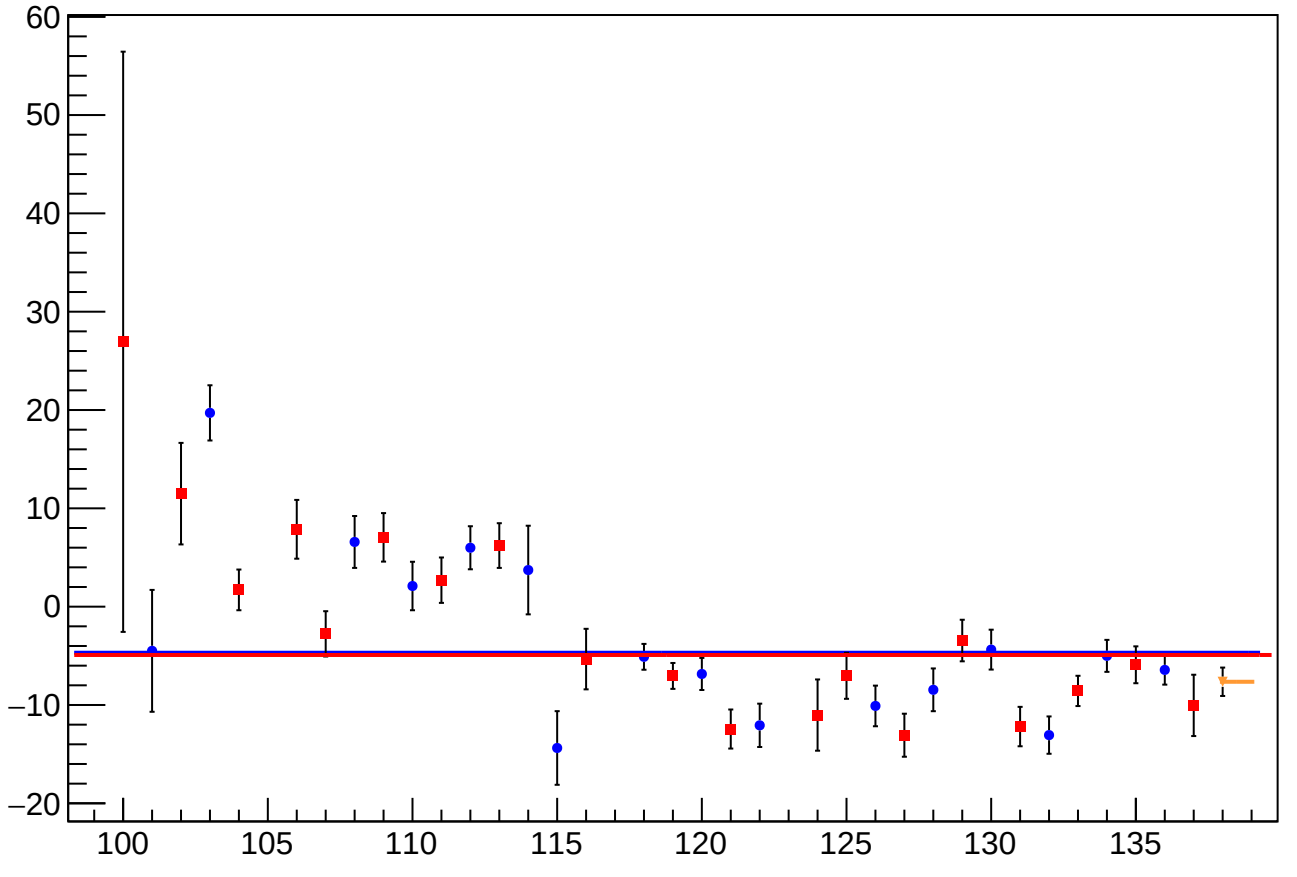
Left: 8.017+/-1.380 χ^2/NDF: 0.0/0

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -11.906+/-0.497 χ^2/NDF:282.1/15

Out: -10.881+/-0.453 χ^2/NDF:631.8/19

All: -11.347+/-0.335 χ^2/NDF: 916.2/35



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -7.639+/-1.444 χ^2/NDF:0.0/0

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -7.639+/-1.444 χ^2/NDF: 0.0/0

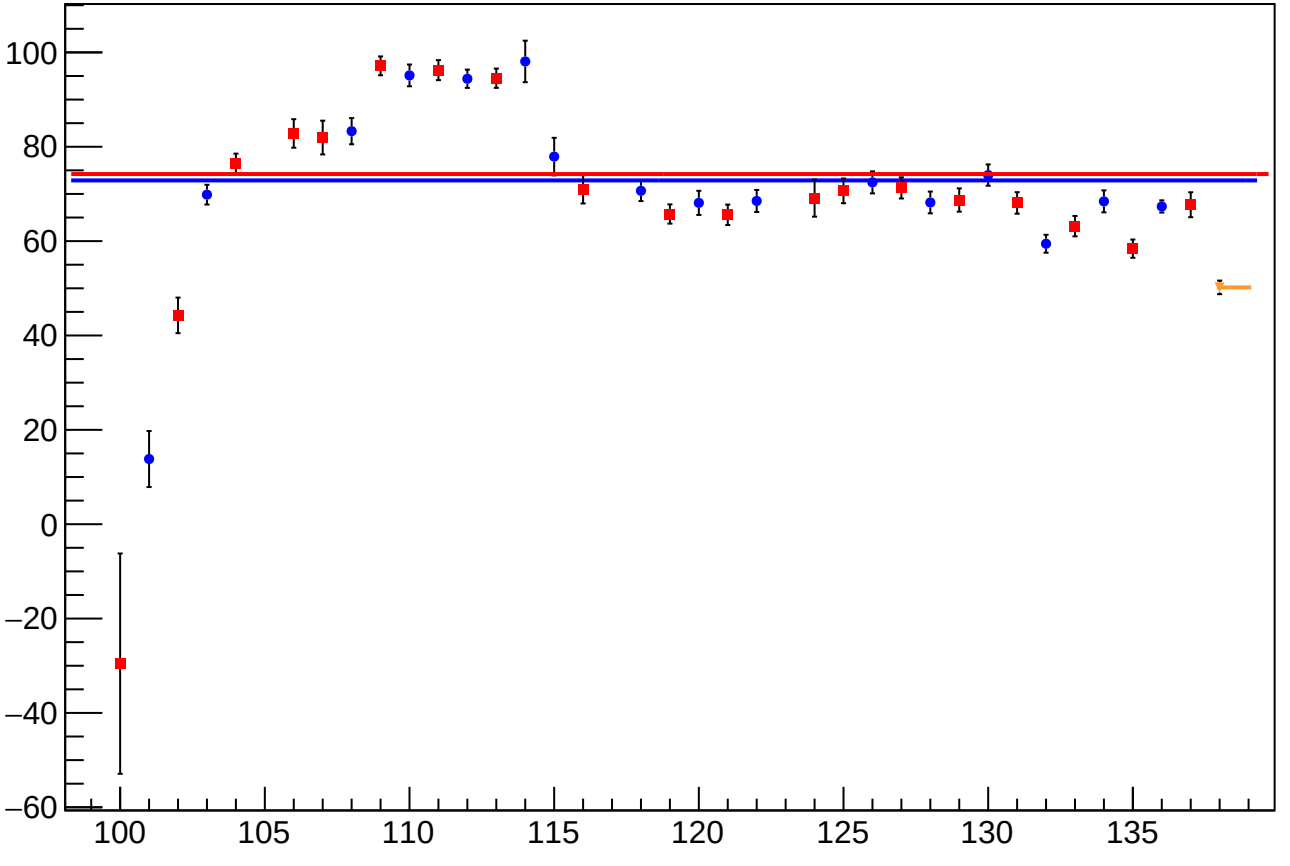
Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.686+/-0.517 χ^2/NDF:179.0/15

Out: -5.219+/-0.483 χ^2/NDF:159.0/19

All: -4.970+/-0.353 χ^2/NDF: 338.6/35

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 50.195+/-1.441 χ^2/NDF:0.0/0

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

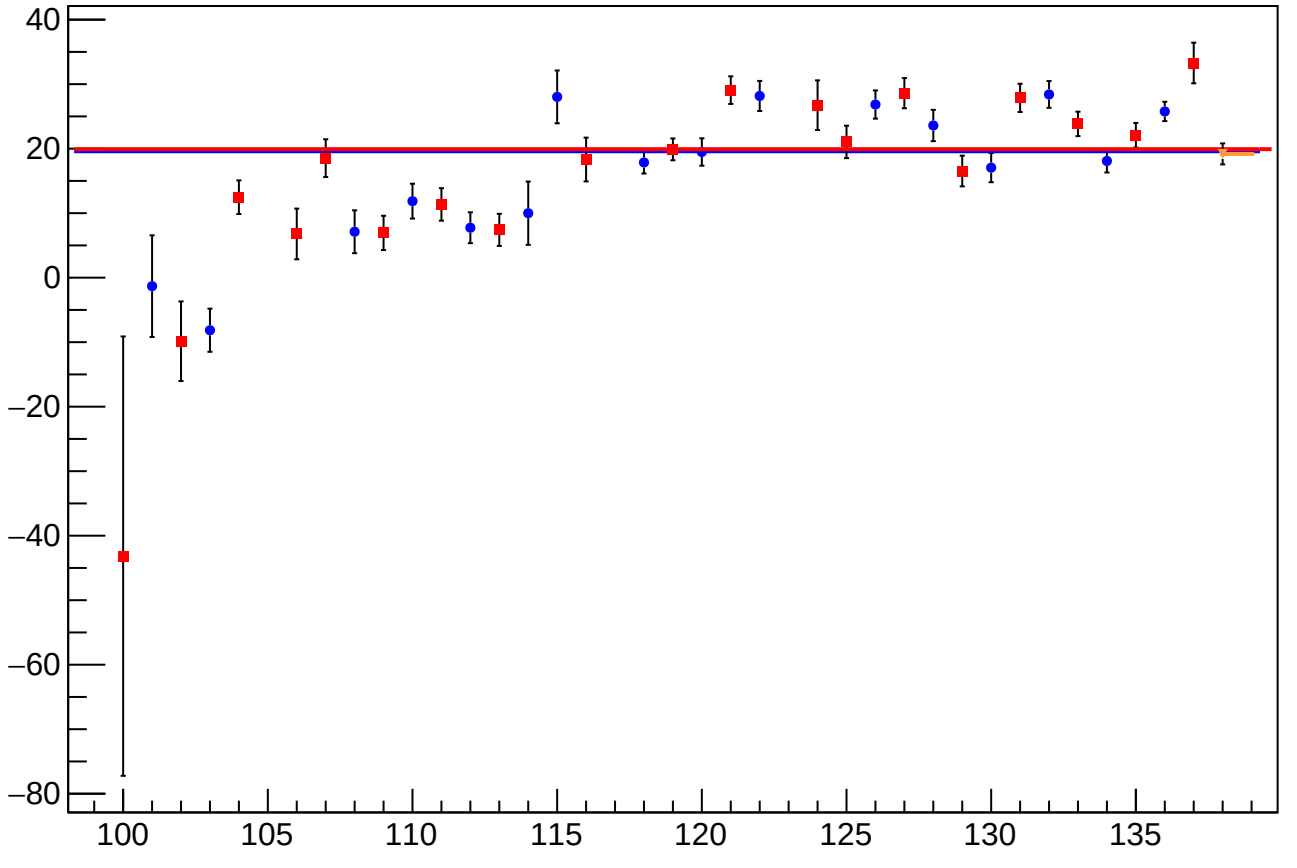
Left: 50.195+/-1.441 χ^2/NDF: 0.0/0

Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 72.866+/-0.565 χ^2/NDF:450.7/15

Out: 71.041+/-0.524 χ^2/NDF:827.5/19

All: 71.884+/-0.384 χ^2/NDF: 1283.8/35



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 19.185+/-1.627 χ^2/NDF:0.0/0

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 19.185+/-1.627 χ^2/NDF: 0.0/0

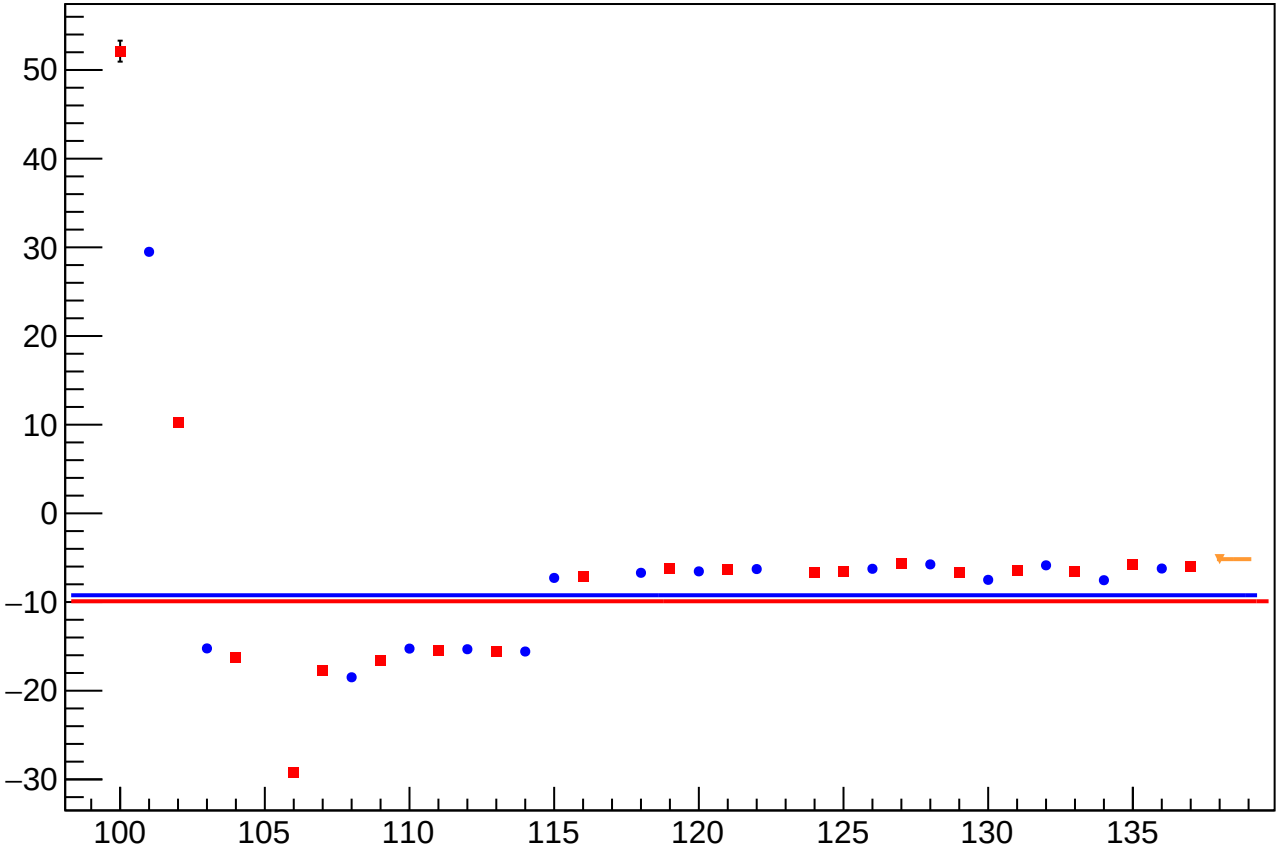
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 19.598+/-0.585 χ^2/NDF:196.0/15

Out: 19.835+/-0.551 χ^2/NDF:181.5/19

All: 19.724+/-0.401 χ^2/NDF: 377.6/35

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: -5.163+/-0.057 χ^2/NDF:0.0/0

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

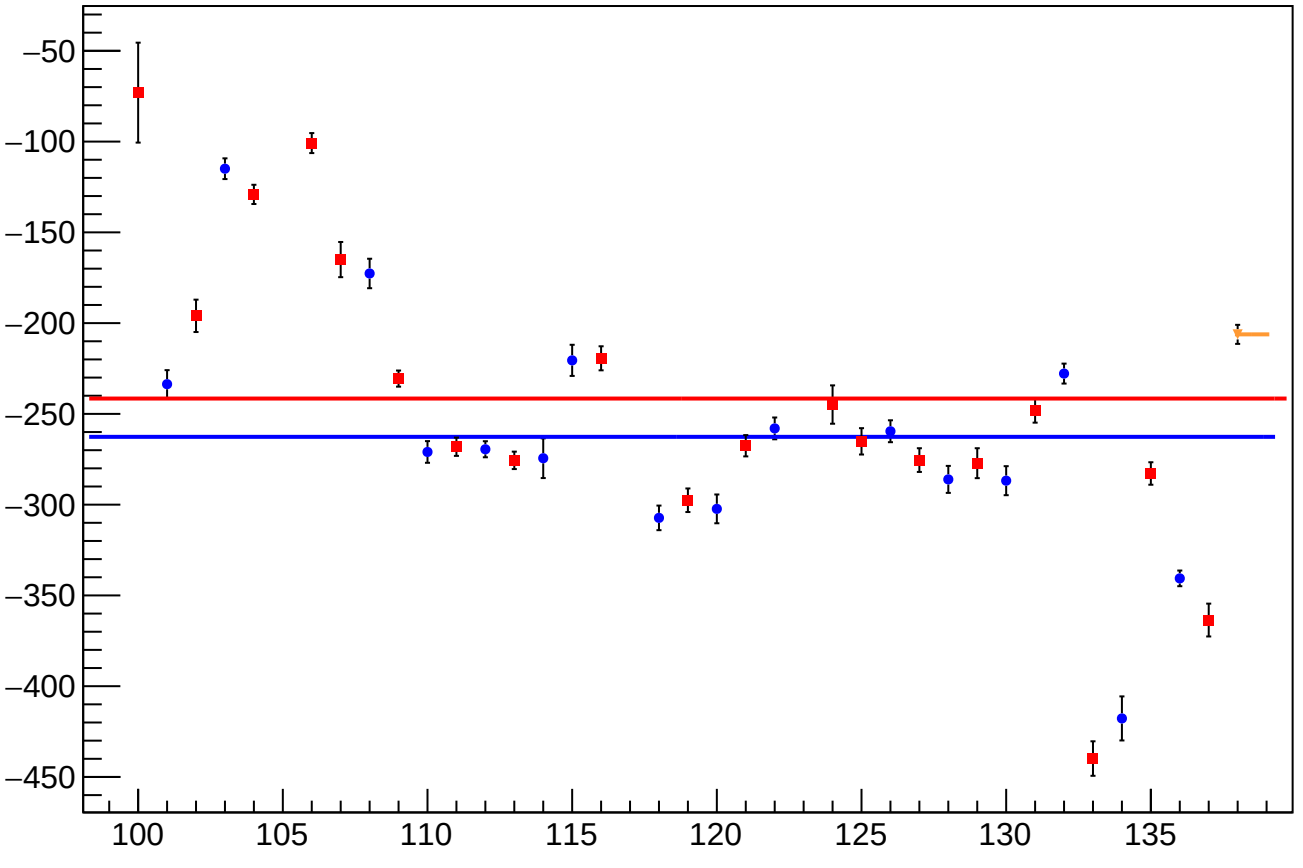
Left: -5.163+/-0.057 χ^2/NDF: 0.0/0

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.235+/-0.033 χ^2/NDF:31159.3/15

Out: -8.635+/-0.029 χ^2/NDF:58981.6/19

All: -8.902+/-0.022 χ^2/NDF: 90325.9/35



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -206.191+/-5.246 χ^2/NDF:0.0/0

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

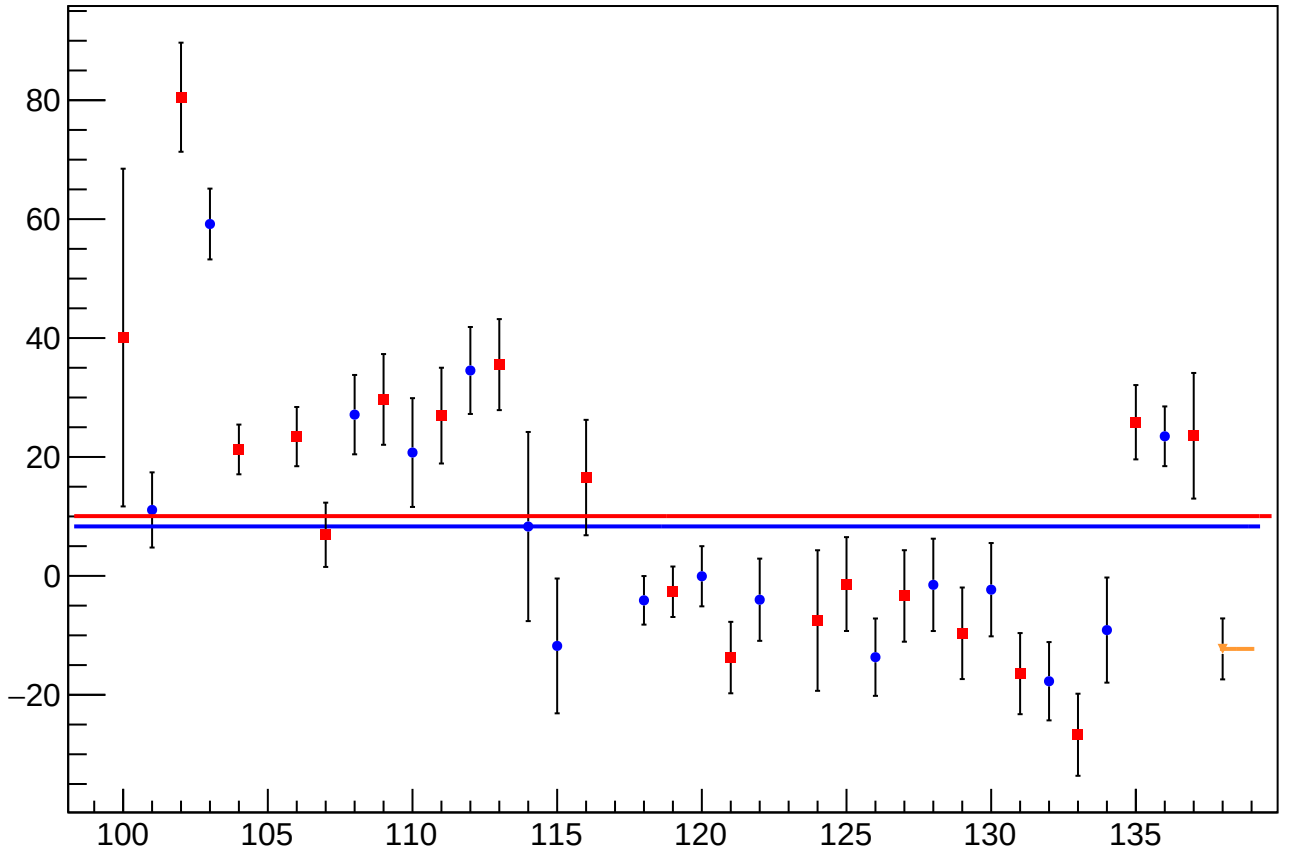
Left: -206.191+/-5.246 χ^2/NDF: 0.0/0

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -262.643+/-1.614 χ^2/NDF:1454.3/15

Out: -238.856+/-1.448 χ^2/NDF:2180.5/19

All: -249.462+/-1.078 χ^2/NDF: 3755.2/35



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: -12.279+/-5.127 χ^2/NDF:0.0/0

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -12.279+/-5.127 χ^2/NDF: 0.0/0

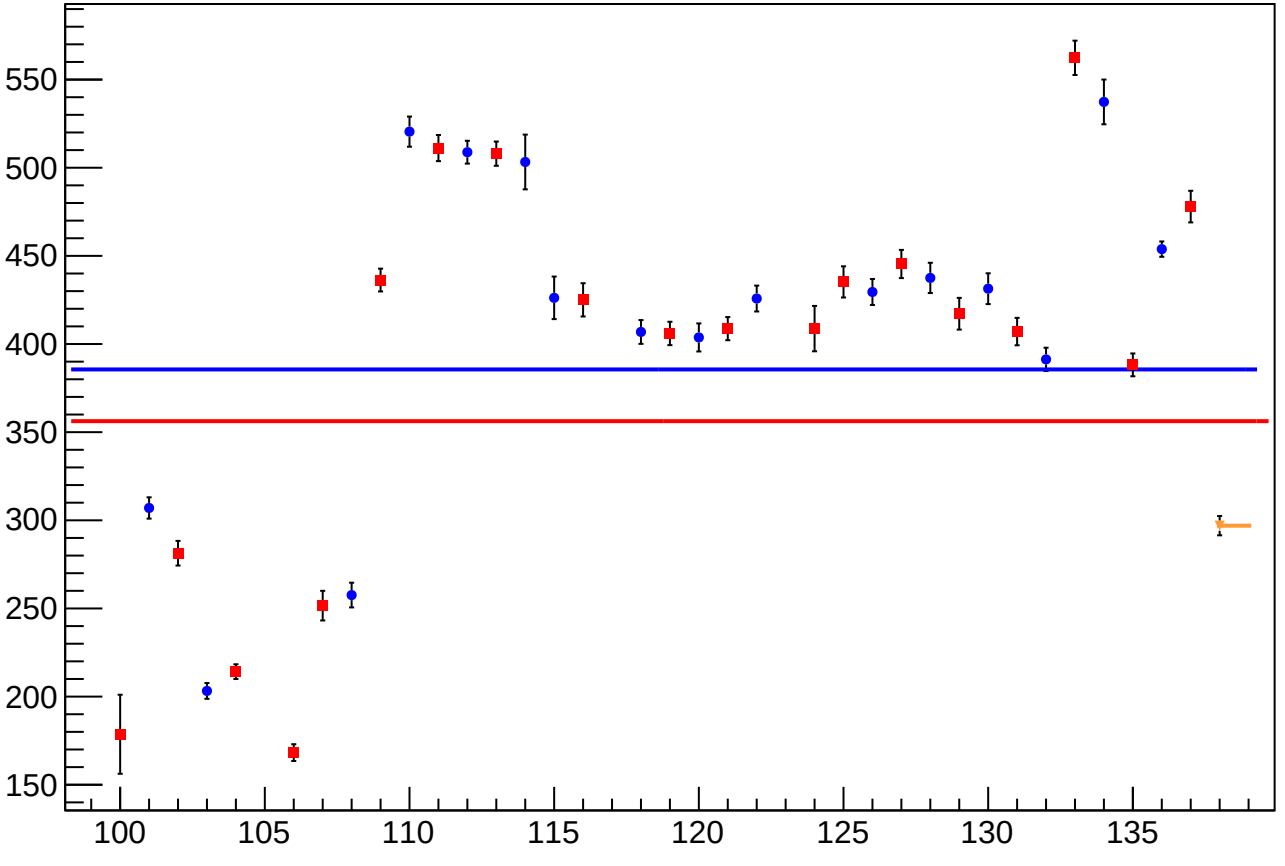
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 8.320+/-1.644 χ^2/NDF:157.6/15

Out: 8.207+/-1.474 χ^2/NDF:204.8/19

All: 8.257+/-1.097 χ^2/NDF: 362.5/35

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: 296.957+/-5.473 χ^2/NDF:0.0/0

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 296.957+/-5.473 χ^2/NDF: 0.0/0

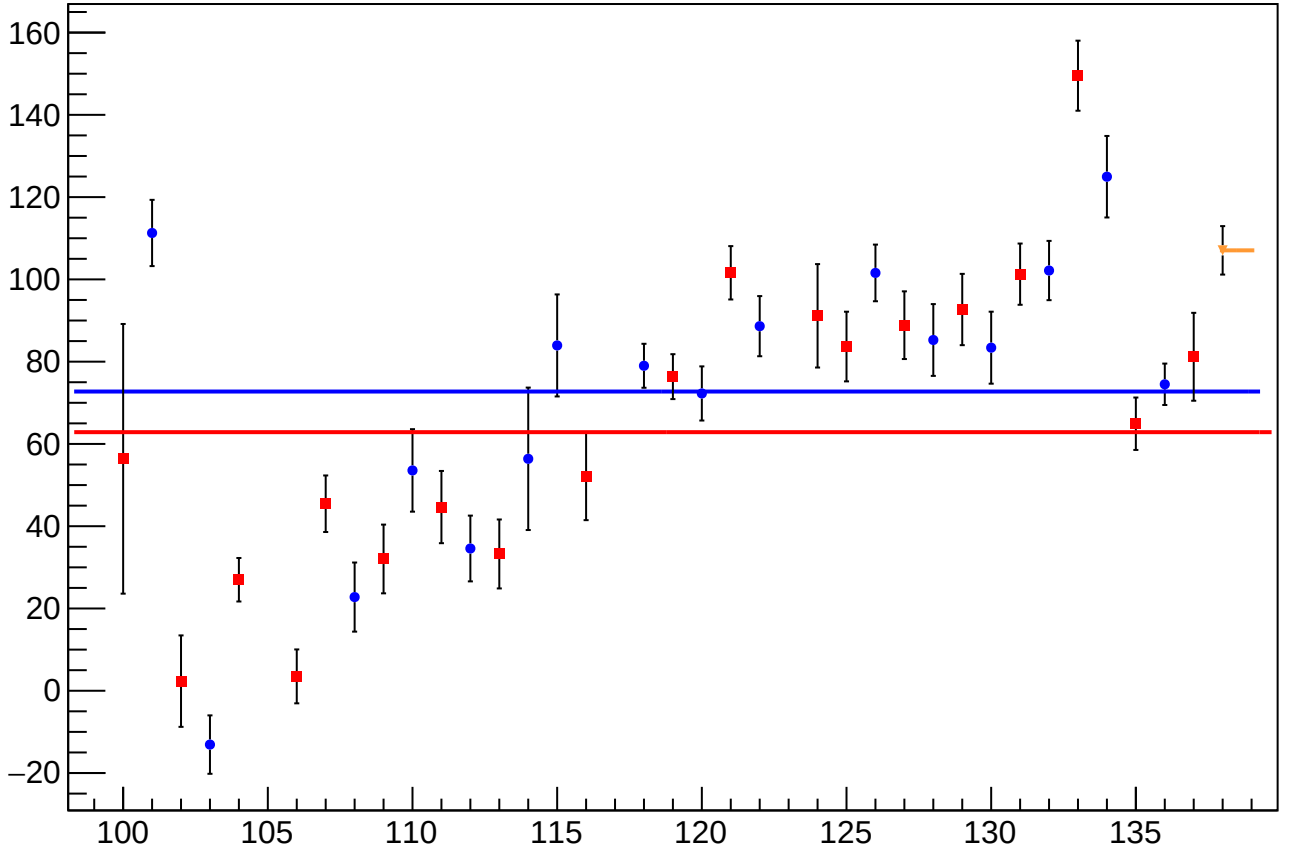
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 385.590+/-1.742 χ^2/NDF:3373.1/15

Out: 351.324+/-1.577 χ^2/NDF:5377.9/19

All: 366.752+/-1.169 χ^2/NDF: 8963.6/35

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: 107.059+/-5.891 χ^2/NDF:0.0/0

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

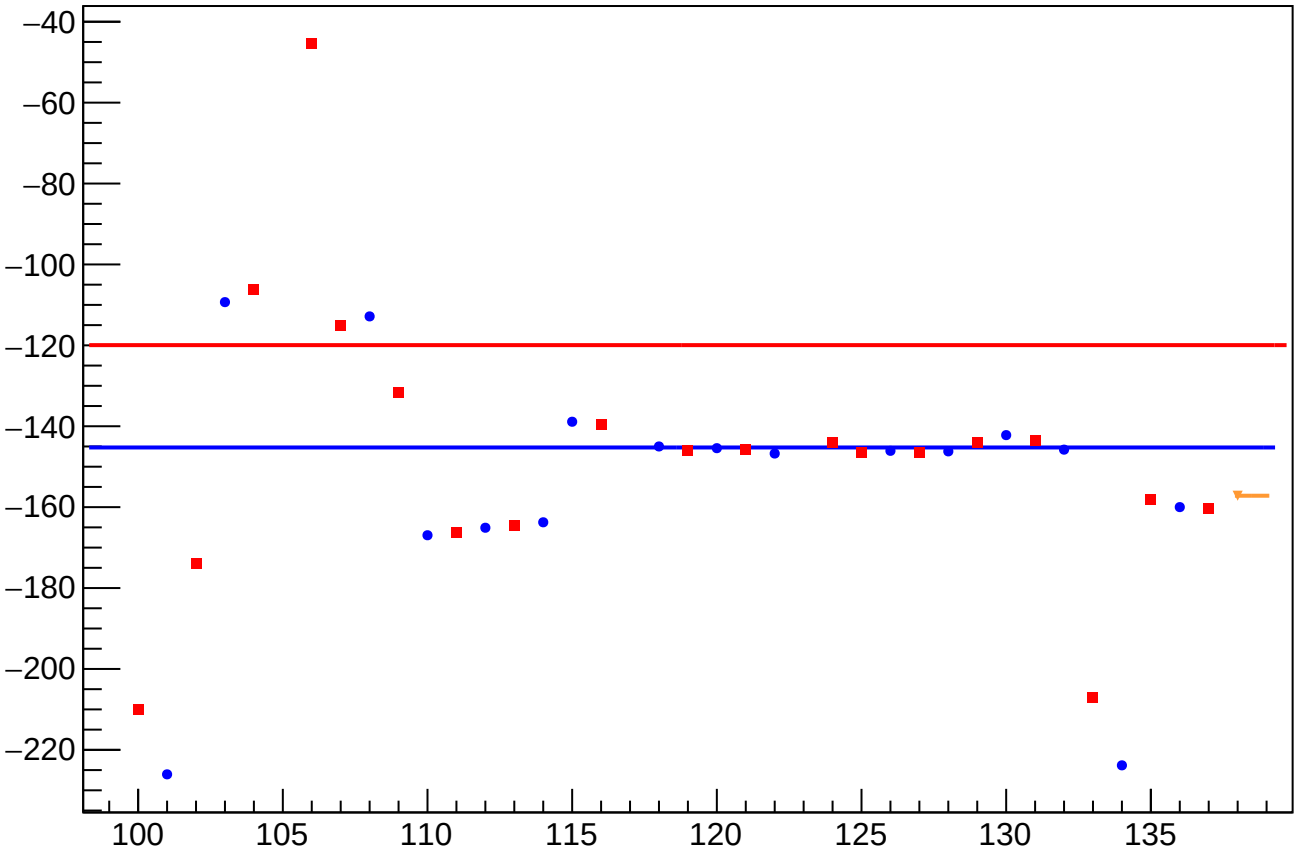
Left: 107.059+/-5.891 χ^2/NDF: 0.0/0

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 72.740+/-1.897 χ^2/NDF:304.3/15

Out: 66.616+/-1.717 χ^2/NDF:455.1/19

All: 69.374+/-1.273 χ^2/NDF: 765.1/35



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -157.175+/-0.220 χ^2/NDF:0.0/0

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

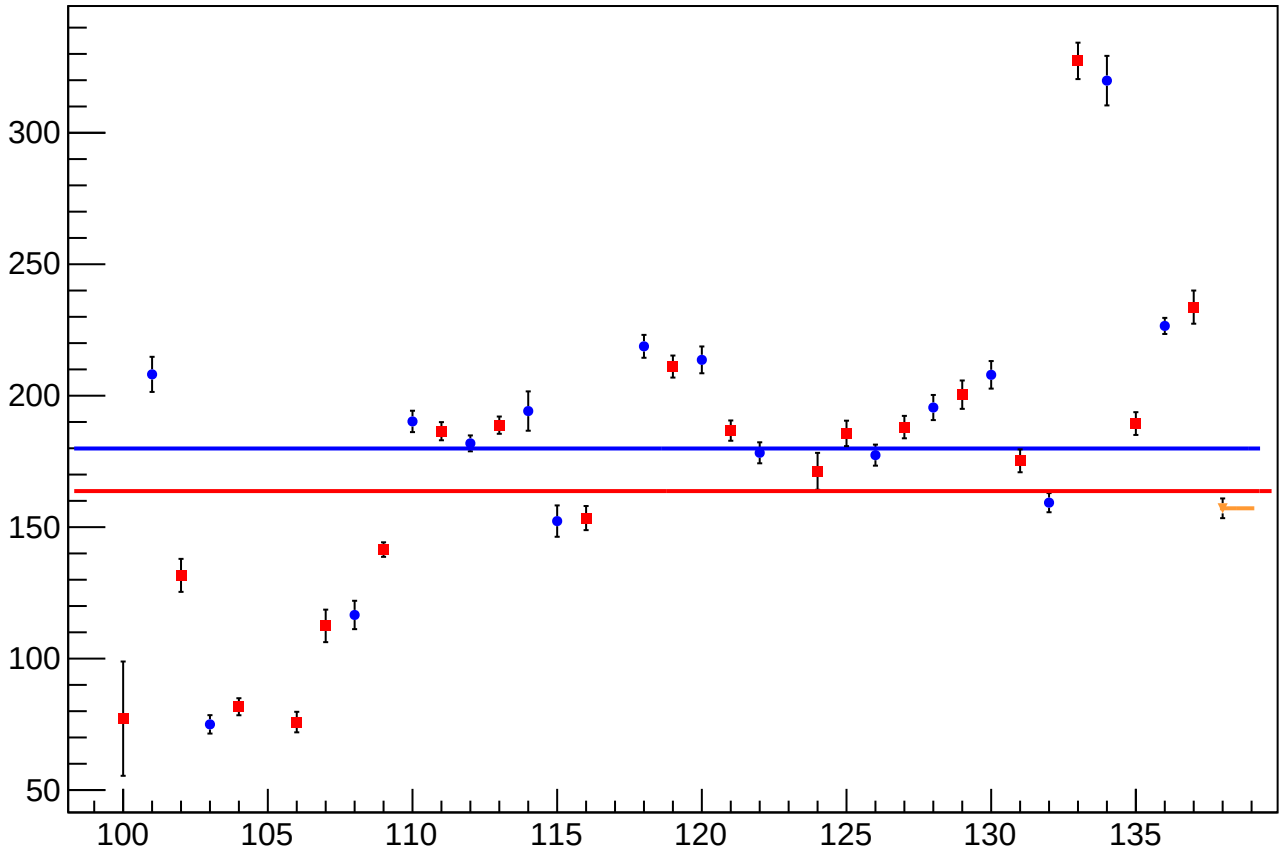
Left: -157.175+/-0.220 χ^2/NDF: 0.0/0

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -145.246+/-0.098 χ^2/NDF:132057.3/15

Out: -125.161+/-0.083 χ^2/NDF:294877.2/19

All: -133.459+/-0.063 χ^2/NDF: 451418.3/35



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 157.169+/-3.750 χ^2/NDF:0.0/0

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

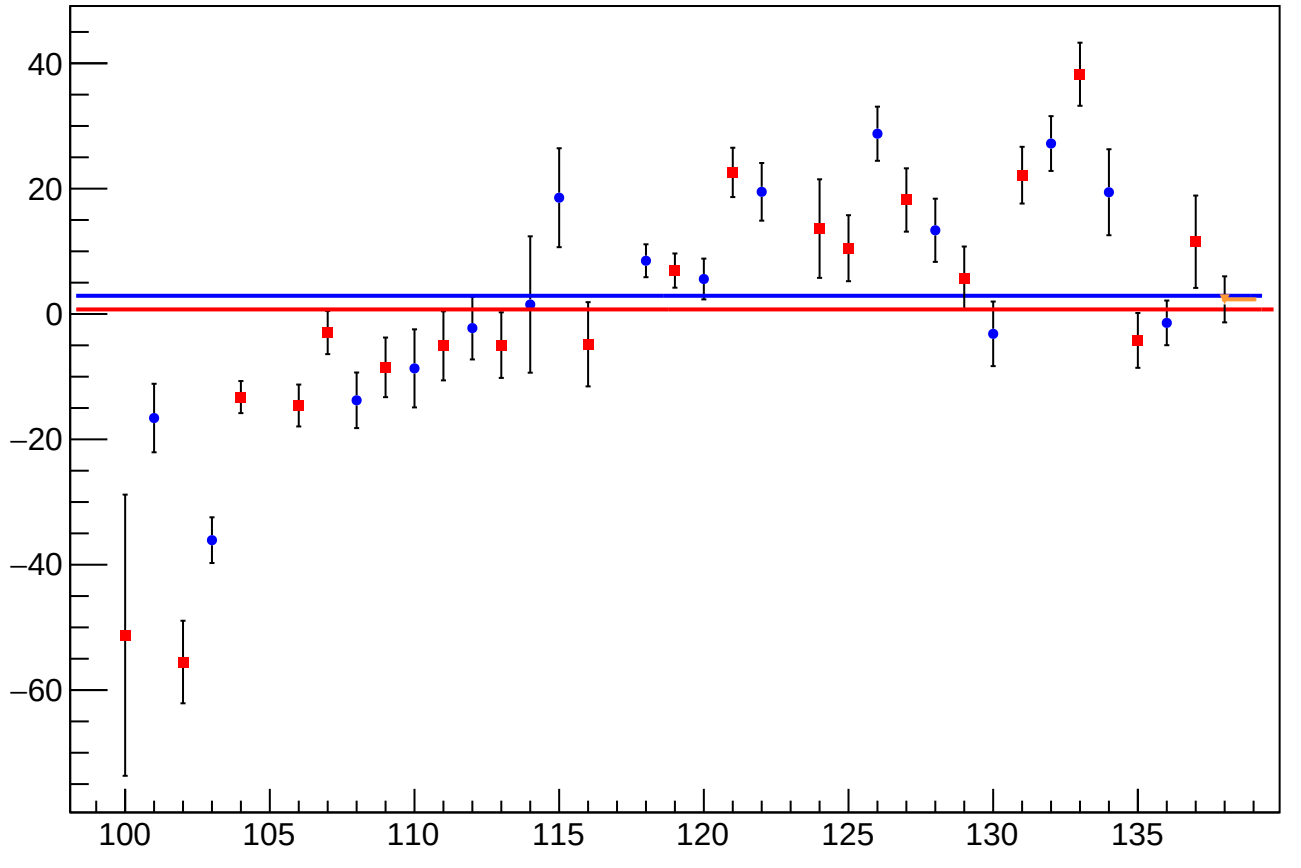
Left: 157.169+/-3.750 χ^2/NDF: 0.0/0

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 179.918+/-1.089 χ^2/NDF:1732.7/15

Out: 163.282+/-0.967 χ^2/NDF:2419.7/19

All: 170.619+/-0.723 χ^2/NDF: 4282.9/35



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: 2.337+/-3.674 χ^2/NDF:0.0/0

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

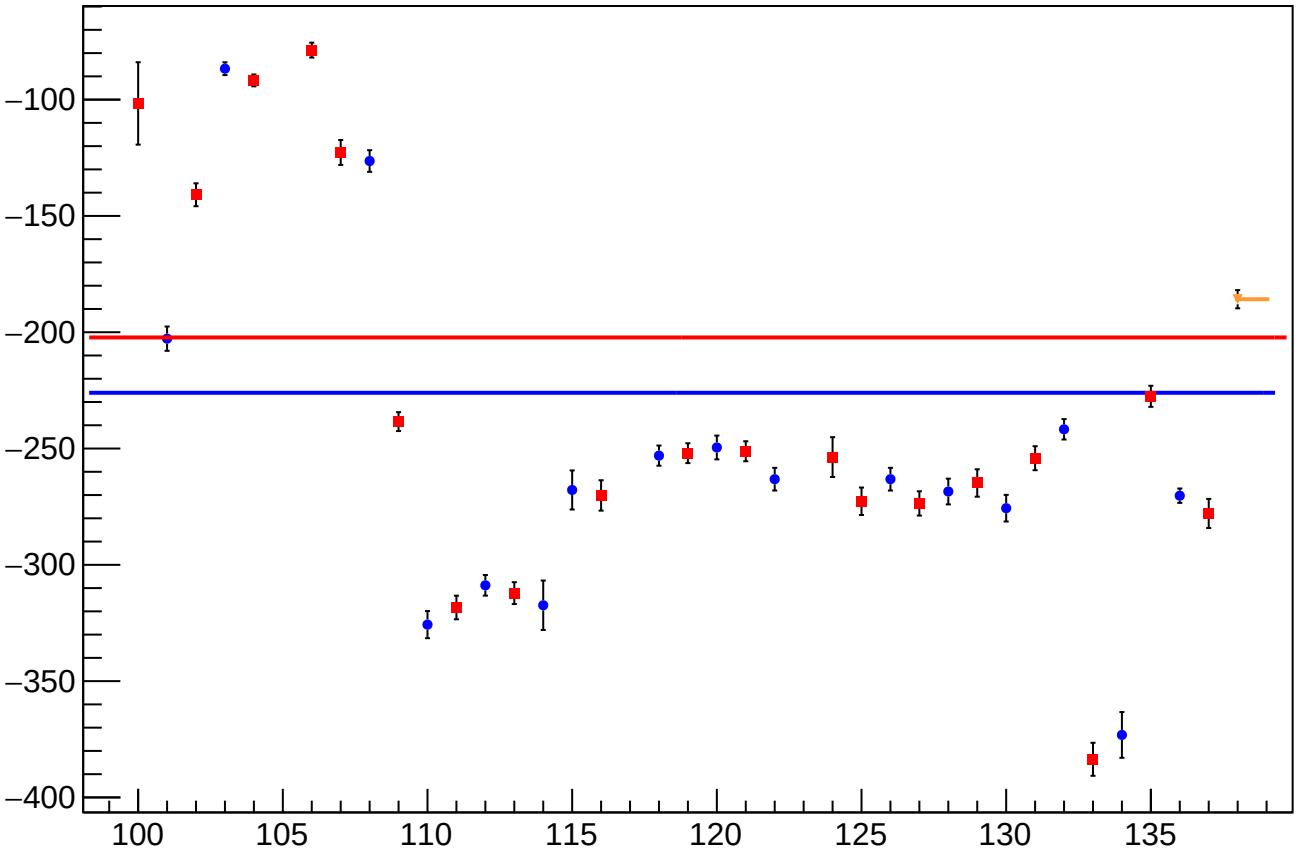
Left: 2.337+/-3.674 χ^2/NDF: 0.0/0

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: 2.907+/-1.105 χ^2/NDF:247.5/15

Out: 0.842+/-0.976 χ^2/NDF:273.8/19

All: 1.747+/-0.731 χ^2/NDF: 523.2/35



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -185.809+/-3.912 χ^2/NDF:0.0/0

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

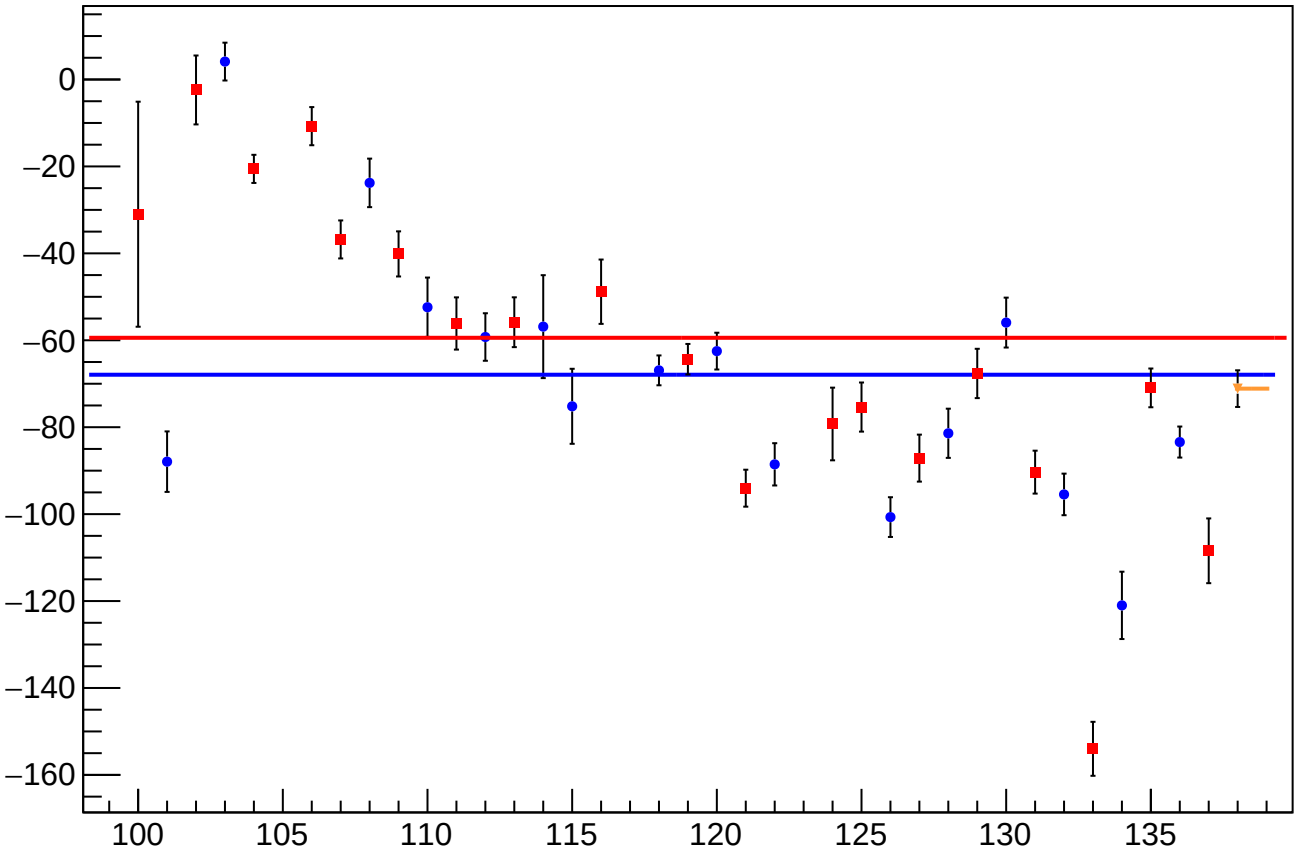
Left: -185.809+/-3.912 χ^2/NDF: 0.0/0

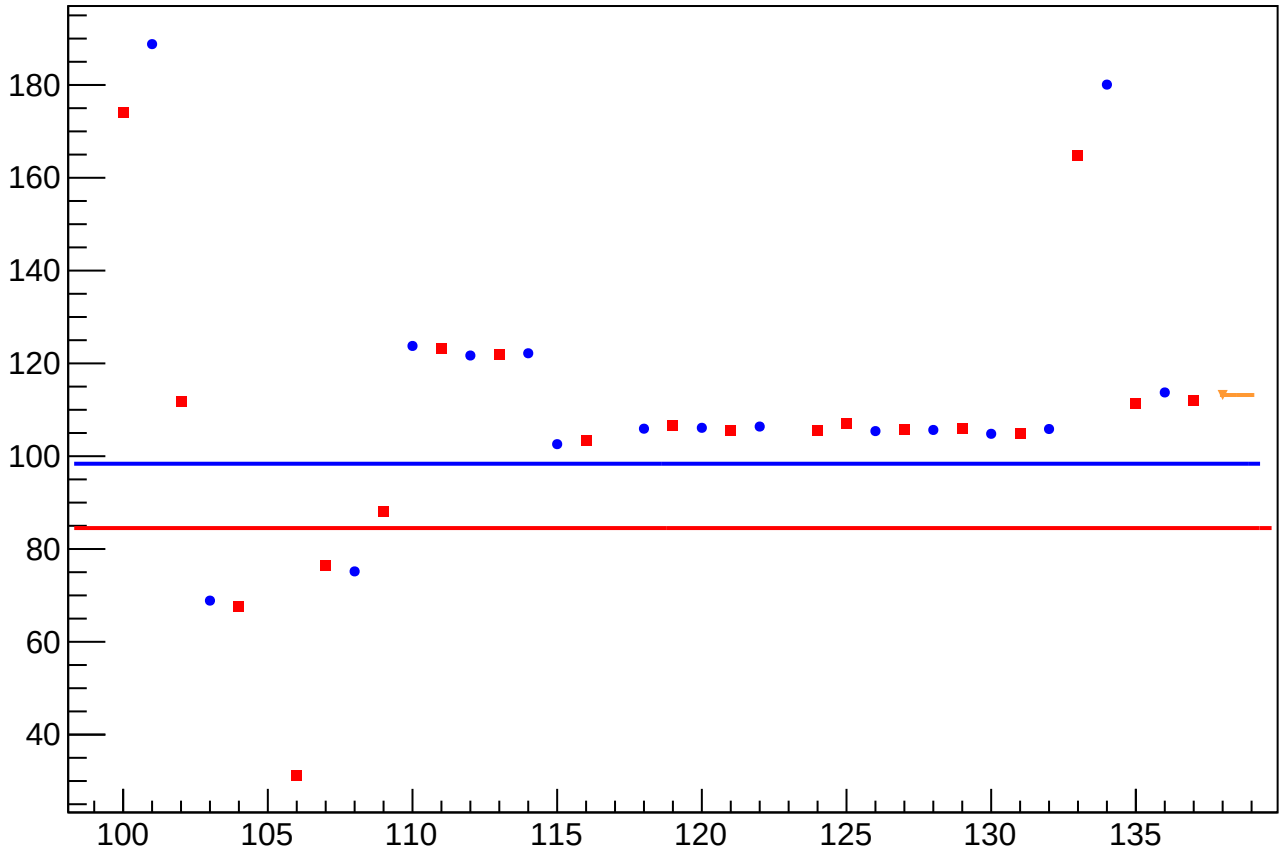
Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -226.028+/-1.175 χ^2/NDF:4539.0/15

Out: -201.069+/-1.047 χ^2/NDF:6707.2/19

All: -212.120+/-0.782 χ^2/NDF: 11497.6/35


reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
−140
−160
100
105
110
115
120
125
130
135
Right In: -67.927+/-1.278 χ²/NDF: 534.0/15
Left Out: -71.126+/-4.219 χ²/NDF:0.0/0
Right Out: -59.428+/-1.184 χ²/NDF: 794.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -71.126+/-4.219 χ²/NDF: 0.0/0
Right: -63.353+/-0.869 χ²/NDF: 1352.7/34
In: -67.927+/-1.278 χ²/NDF:534.0/15
Out: -60.282+/-1.140 χ²/NDF:802.0/19
All: -63.669+/-0.851 χ²/NDF: 1356.0/35



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 113.189+/-0.158 χ^2/NDF:0.0/0

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 113.189+/-0.158 χ^2/NDF: 0.0/0

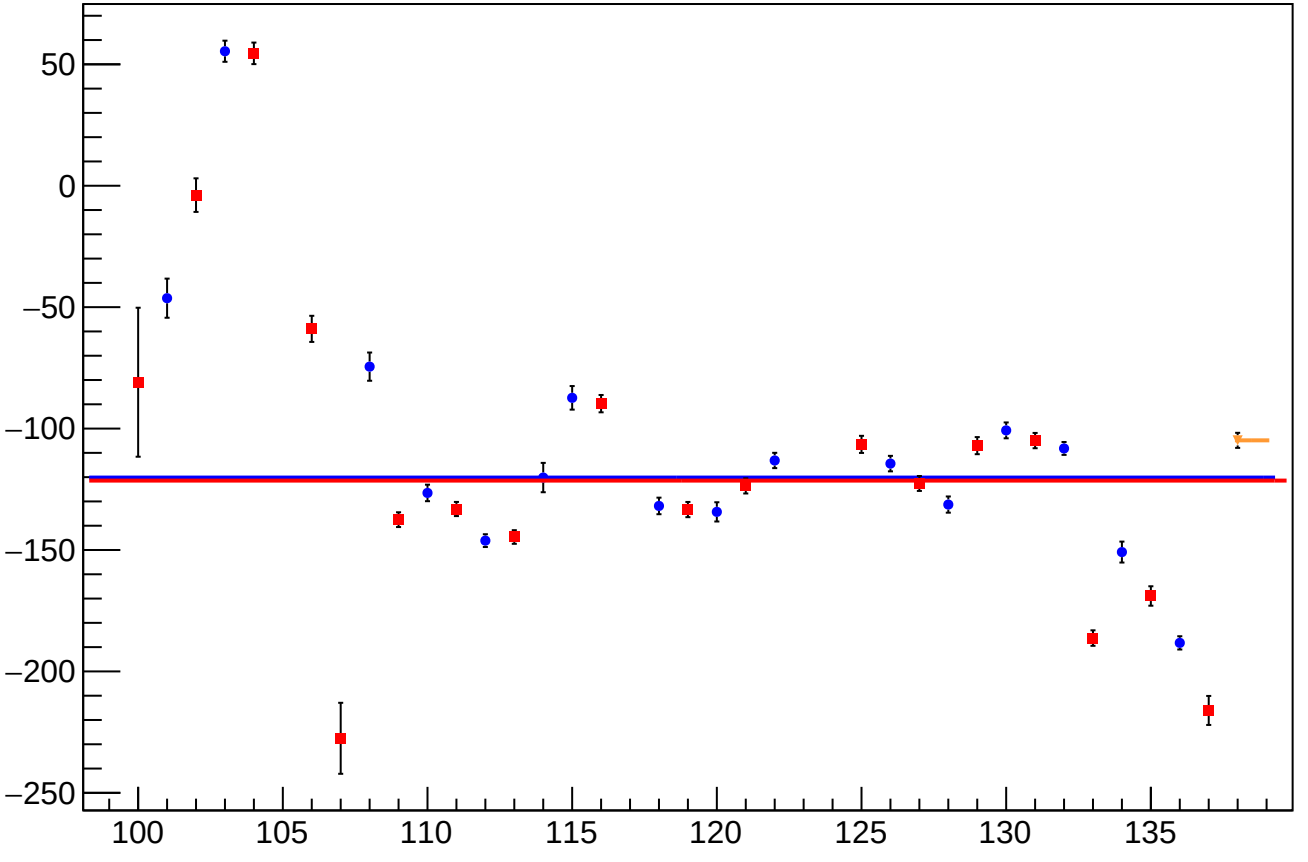
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 98.377+/-0.066 χ^2/NDF:228419.7/15

Out: 88.213+/-0.057 χ^2/NDF:297782.0/19

All: 92.516+/-0.043 χ^2/NDF: 539863.1/35

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -104.847+/-3.102 χ^2/NDF:0.0/0

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -104.847+/-3.102 χ^2/NDF: 0.0/0

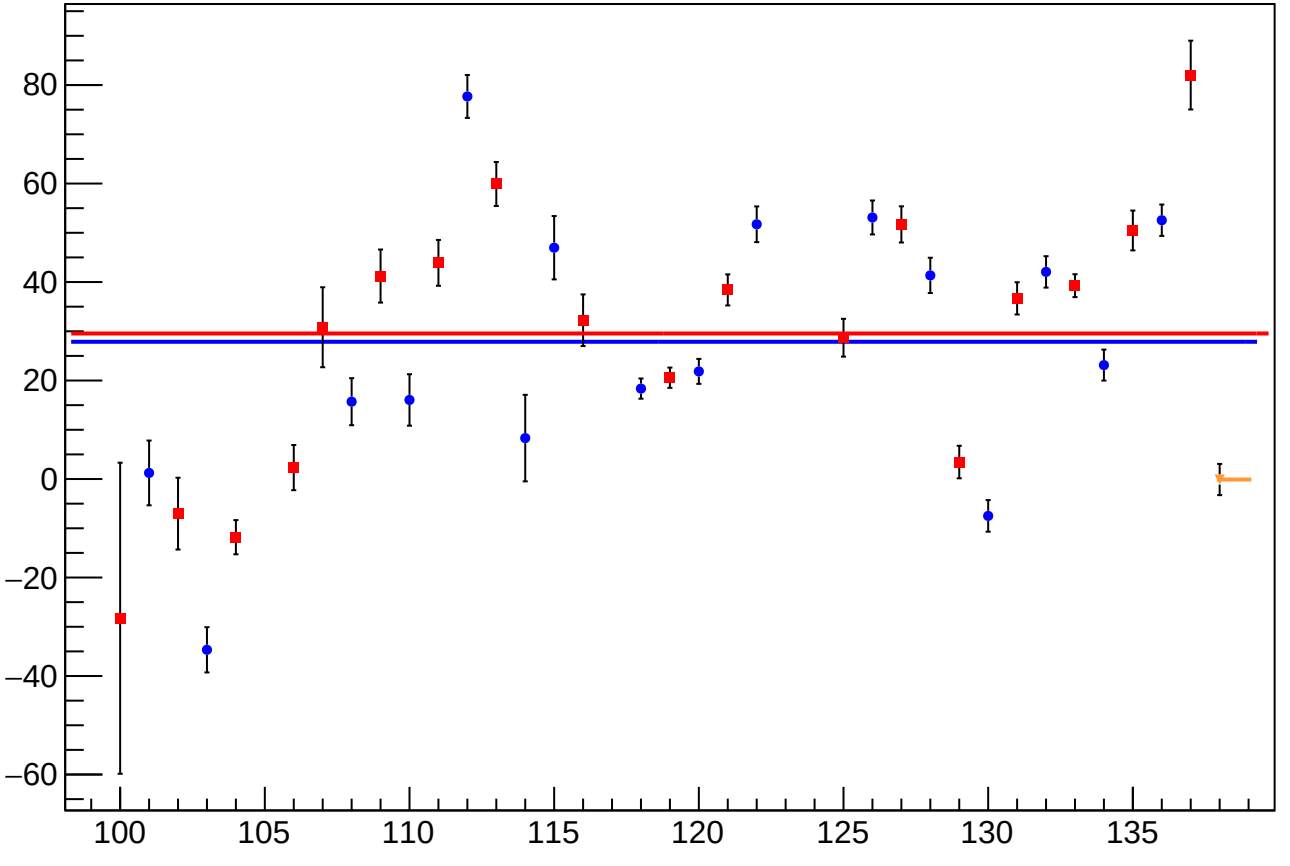
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -120.177+/-0.891 χ^2/NDF:2691.2/15

Out: -120.196+/-0.842 χ^2/NDF:3152.8/18

All: -120.187+/-0.612 χ^2/NDF: 5844.0/34

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: -0.099+/-3.171 χ^2/NDF:0.0/0

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.099+/-3.171 χ^2/NDF: 0.0/0

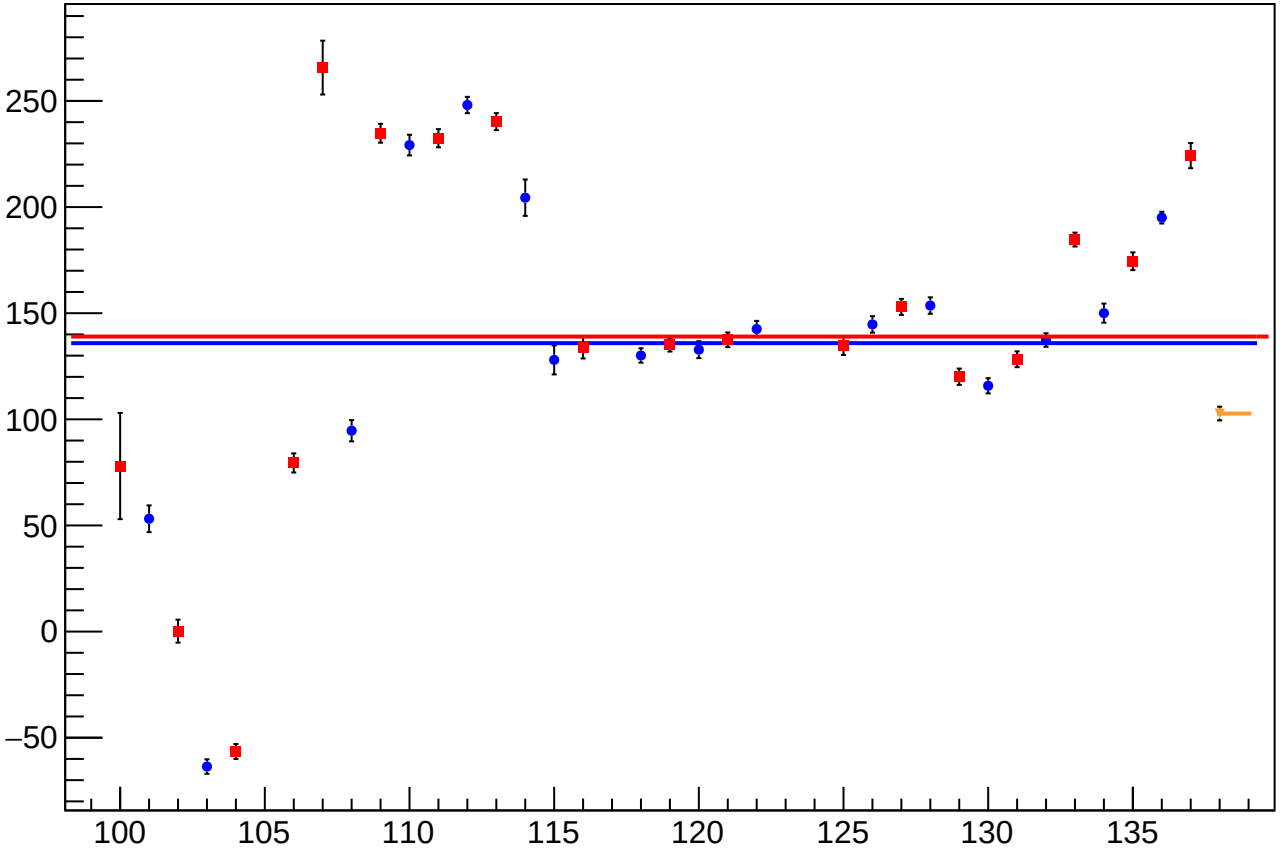
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 27.872+/-0.888 χ^2/NDF:699.6/15

Out: 27.389+/-0.857 χ^2/NDF:578.5/18

All: 27.622+/-0.617 χ^2/NDF: 1278.3/34

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: 102.730+/-3.238 χ^2/NDF:0.0/0

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

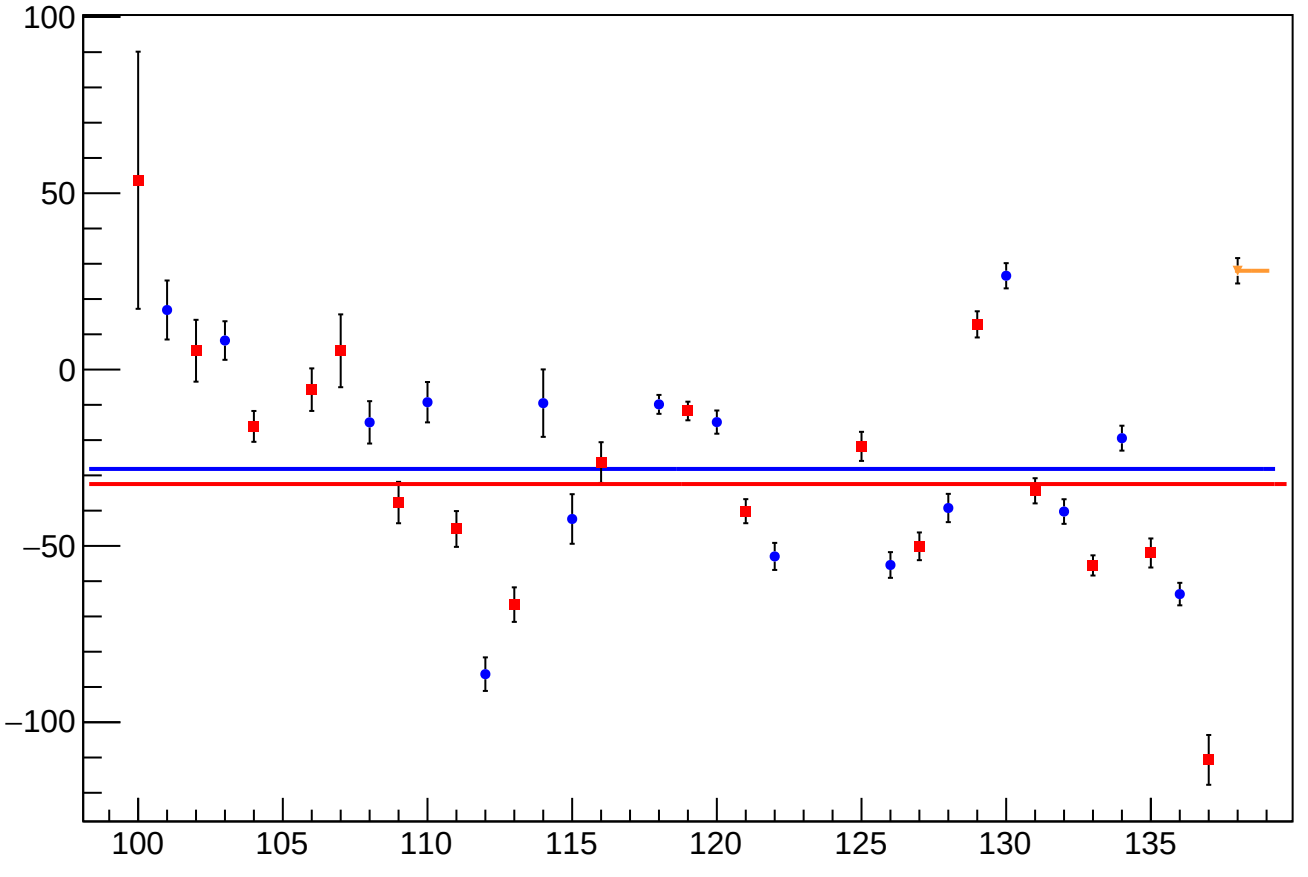
Left: 102.730+/-3.238 χ^2/NDF: 0.0/0

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 135.883+/-0.999 χ^2/NDF:5463.6/15

Out: 135.838+/-0.954 χ^2/NDF:6270.9/18

All: 135.859+/-0.690 χ^2/NDF: 11734.6/34



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 28.015+/-3.599 χ^2/NDF:0.0/0

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

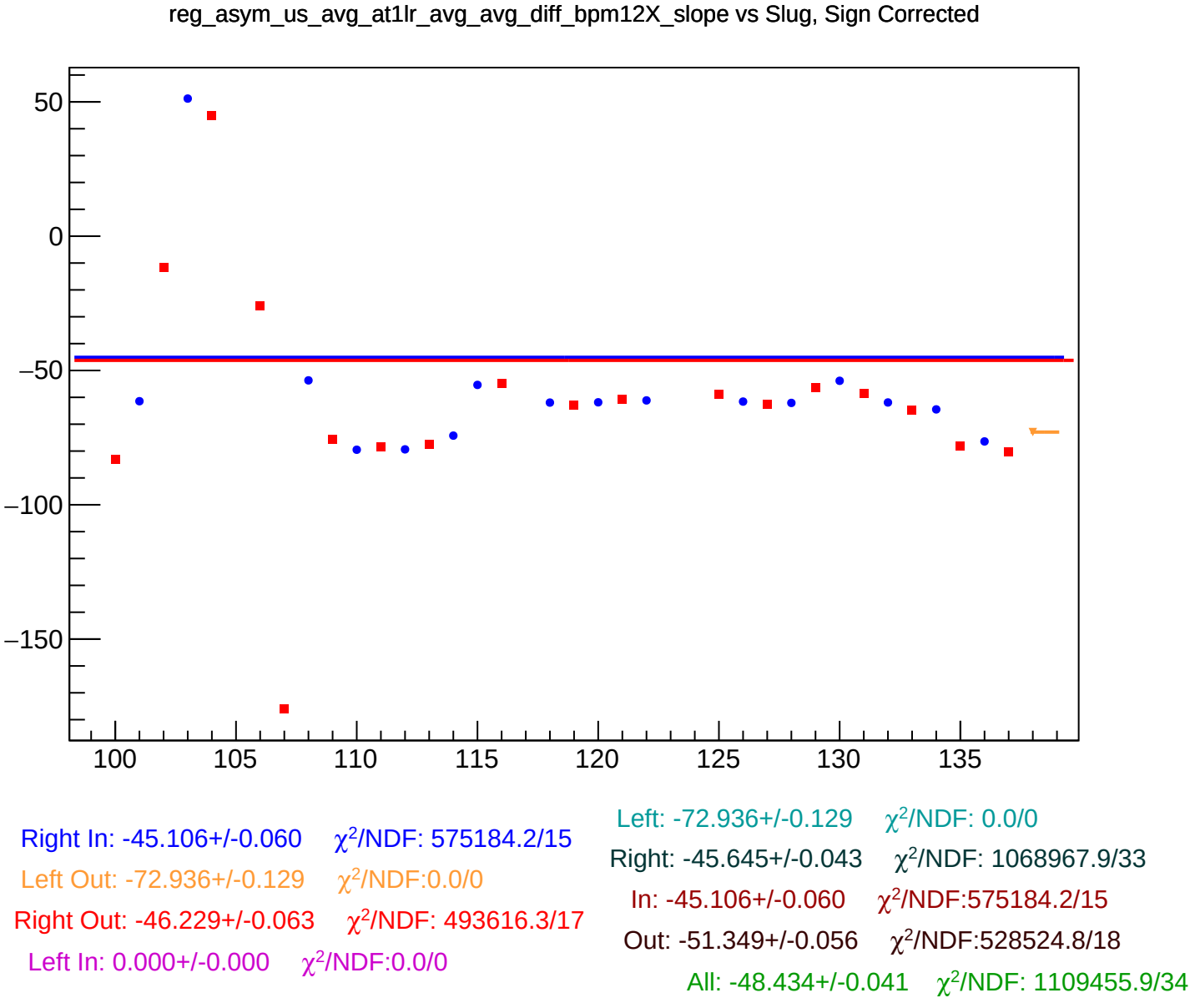
Left: 28.015+/-3.599 χ^2/NDF: 0.0/0

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

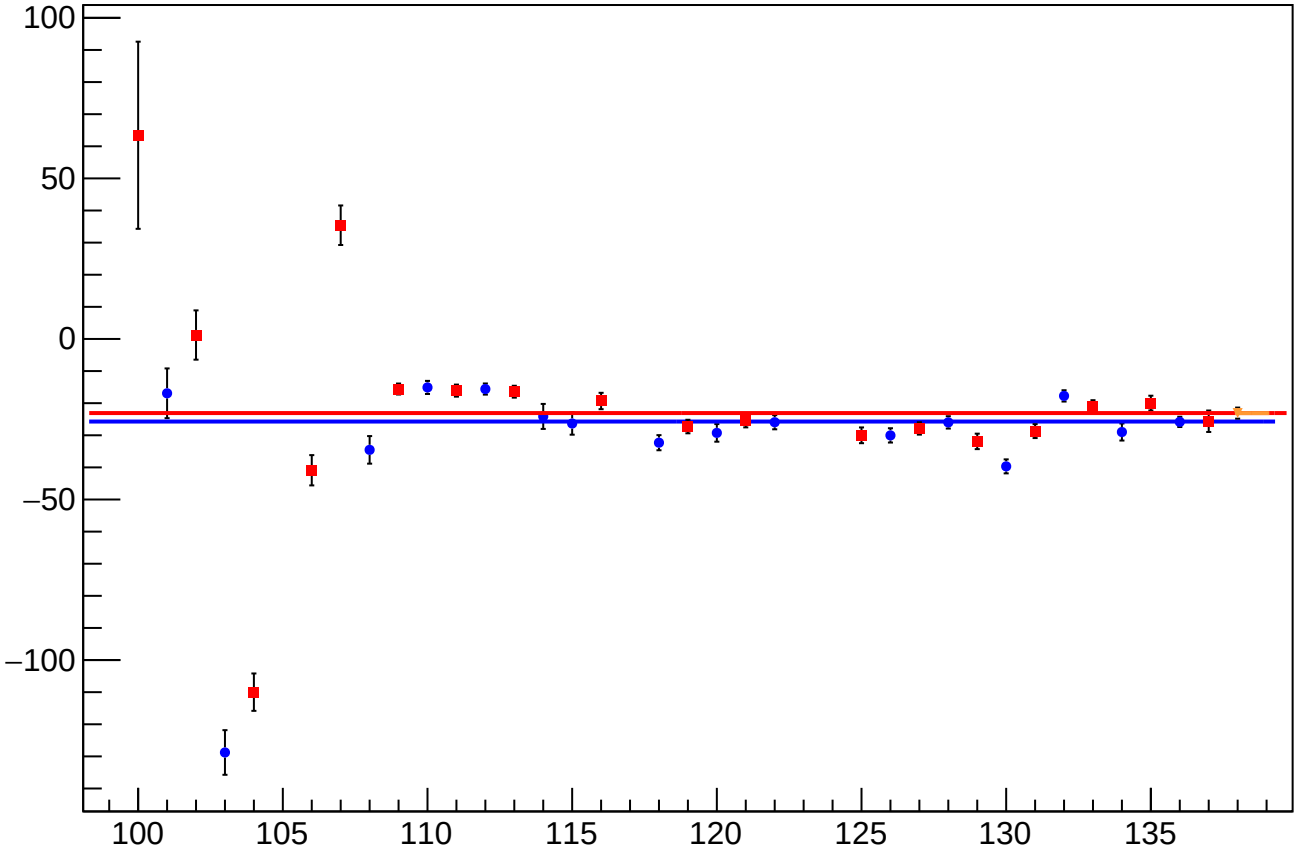
In: -28.175+/-1.022 χ^2/NDF:791.2/15

Out: -27.903+/-0.988 χ^2/NDF:841.9/18

All: -28.035+/-0.710 χ^2/NDF: 1633.1/34


reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
105
110
115
120
125
130
135
Right In: -45.106+/-0.060 χ²/NDF: 575184.2/15
Left Out: -72.936+/-0.129 χ²/NDF:0.0/0
Right Out: -46.229+/-0.063 χ²/NDF: 493616.3/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -72.936+/-0.129 χ²/NDF: 0.0/0
Right: -45.645+/-0.043 χ²/NDF: 1068967.9/33
In: -45.106+/-0.060 χ²/NDF:575184.2/15
Out: -51.349+/-0.056 χ²/NDF:528524.8/18
All: -48.434+/-0.041 χ²/NDF: 1109455.9/34

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -23.097+/-1.729 χ^2/NDF:0.0/0

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -23.097+/-1.729 χ^2/NDF: 0.0/0

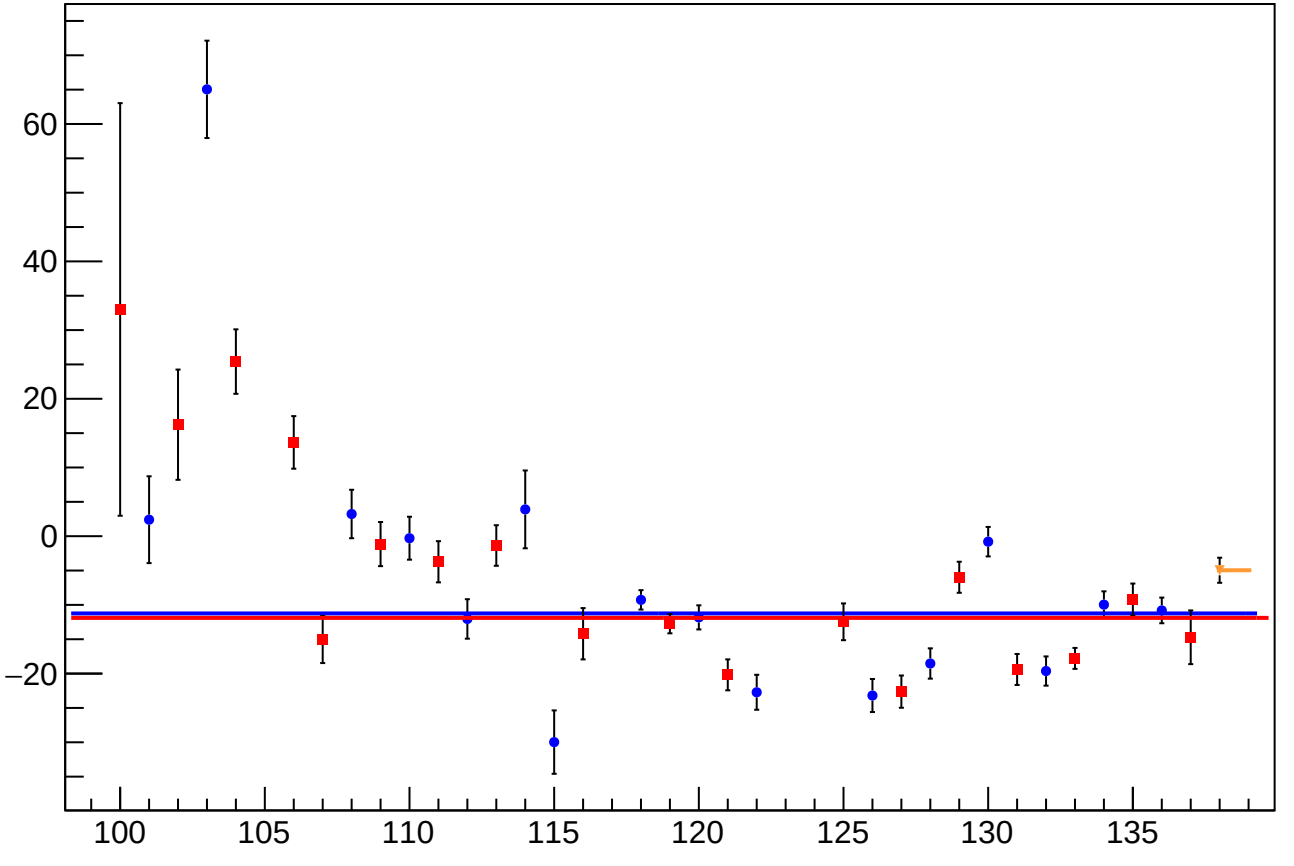
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -25.721+/-0.590 χ^2/NDF:363.0/15

Out: -23.081+/-0.551 χ^2/NDF:437.1/18

All: -24.312+/-0.403 χ^2/NDF: 810.8/34

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: -4.960+/-1.825 χ^2/NDF:0.0/0

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -4.960+/-1.825 χ^2/NDF: 0.0/0

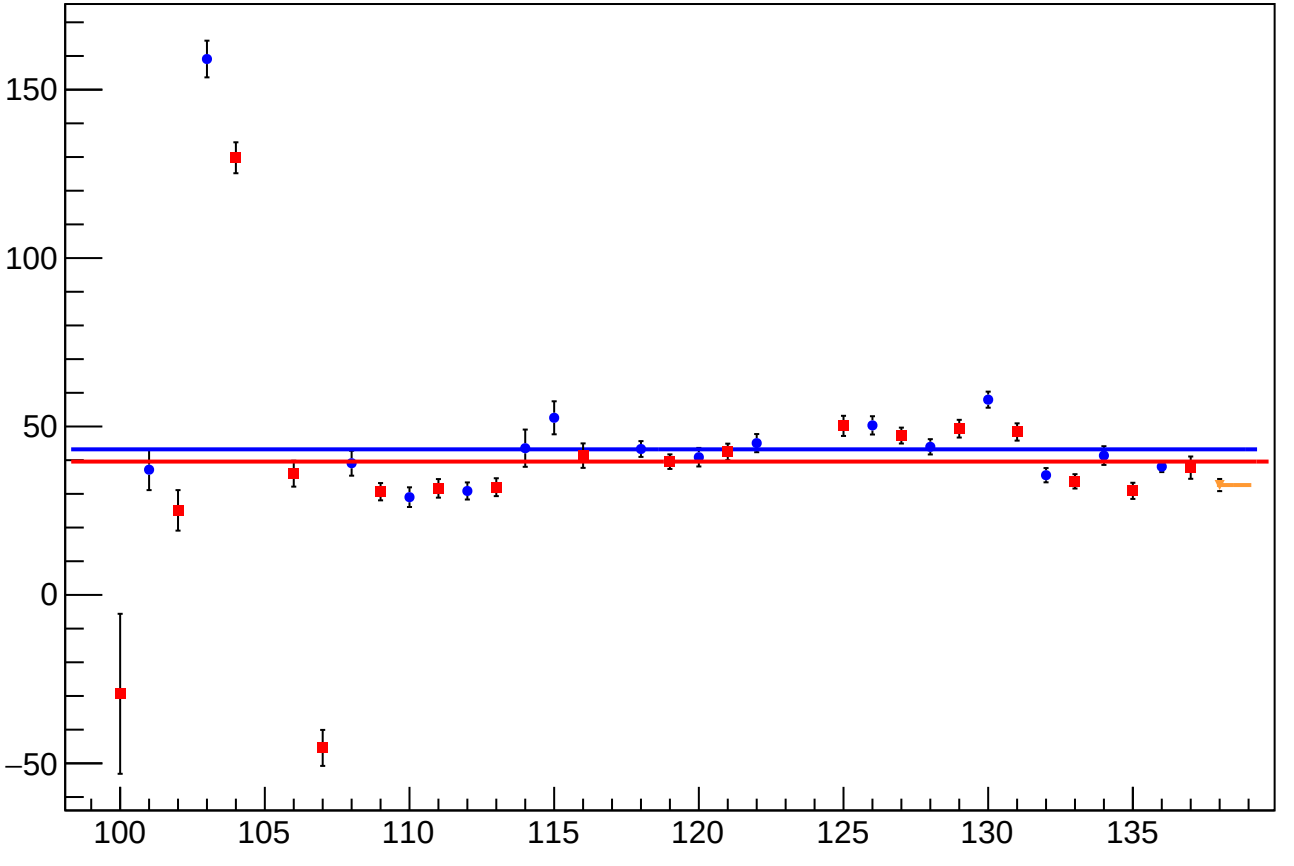
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -11.246+/-0.600 χ^2/NDF:271.1/15

Out: -11.200+/-0.576 χ^2/NDF:237.4/18

All: -11.222+/-0.416 χ^2/NDF: 508.5/34

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: 32.617+/-1.806 χ^2/NDF:0.0/0

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

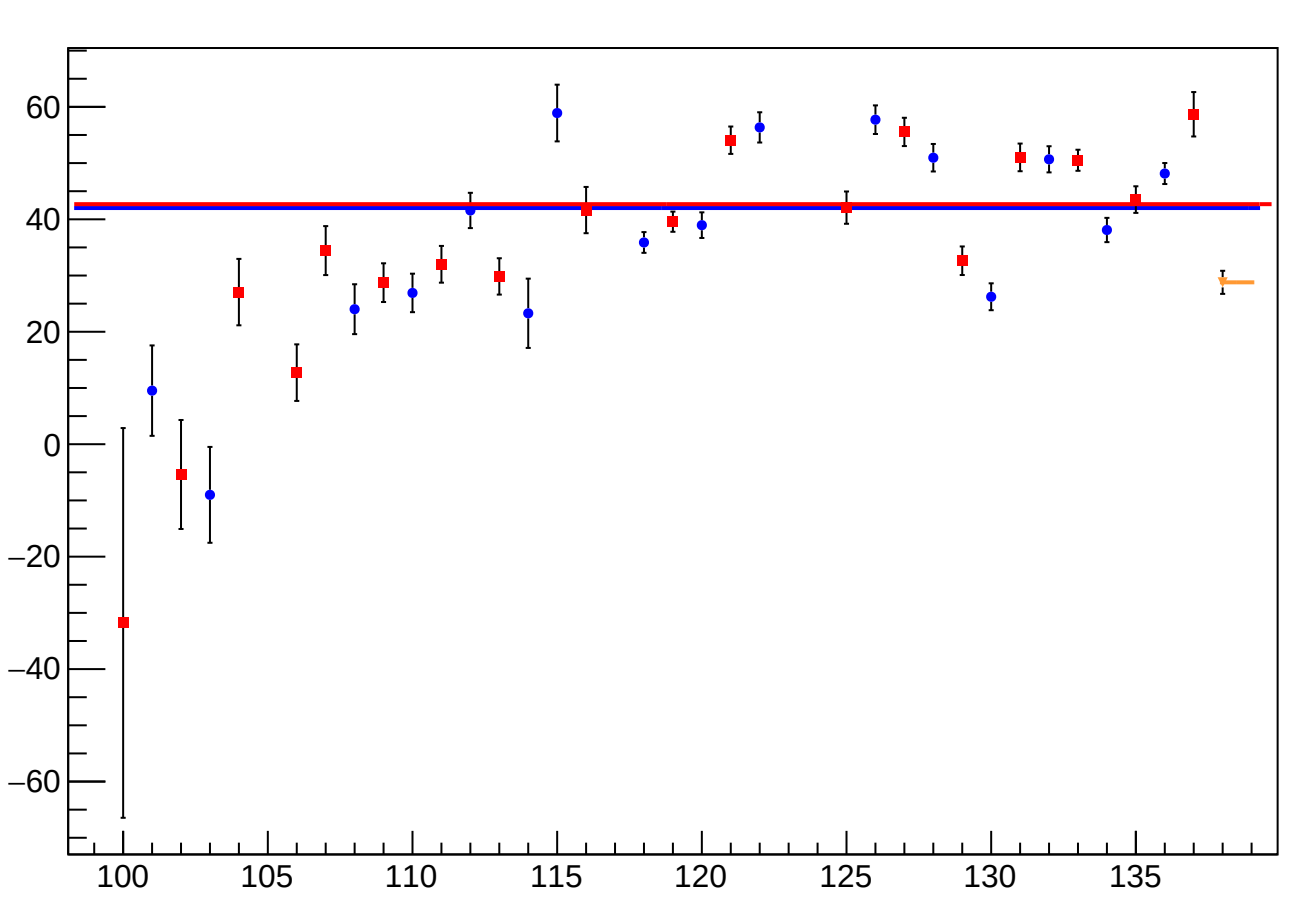
Left: 32.617+/-1.806 χ^2/NDF: 0.0/0

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 43.222+/-0.678 χ^2/NDF:576.0/15

Out: 38.711+/-0.640 χ^2/NDF:767.0/18

All: 40.837+/-0.466 χ^2/NDF: 1366.4/34



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 28.791+/-2.052 χ^2/NDF:0.0/0

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 28.791+/-2.052 χ^2/NDF: 0.0/0

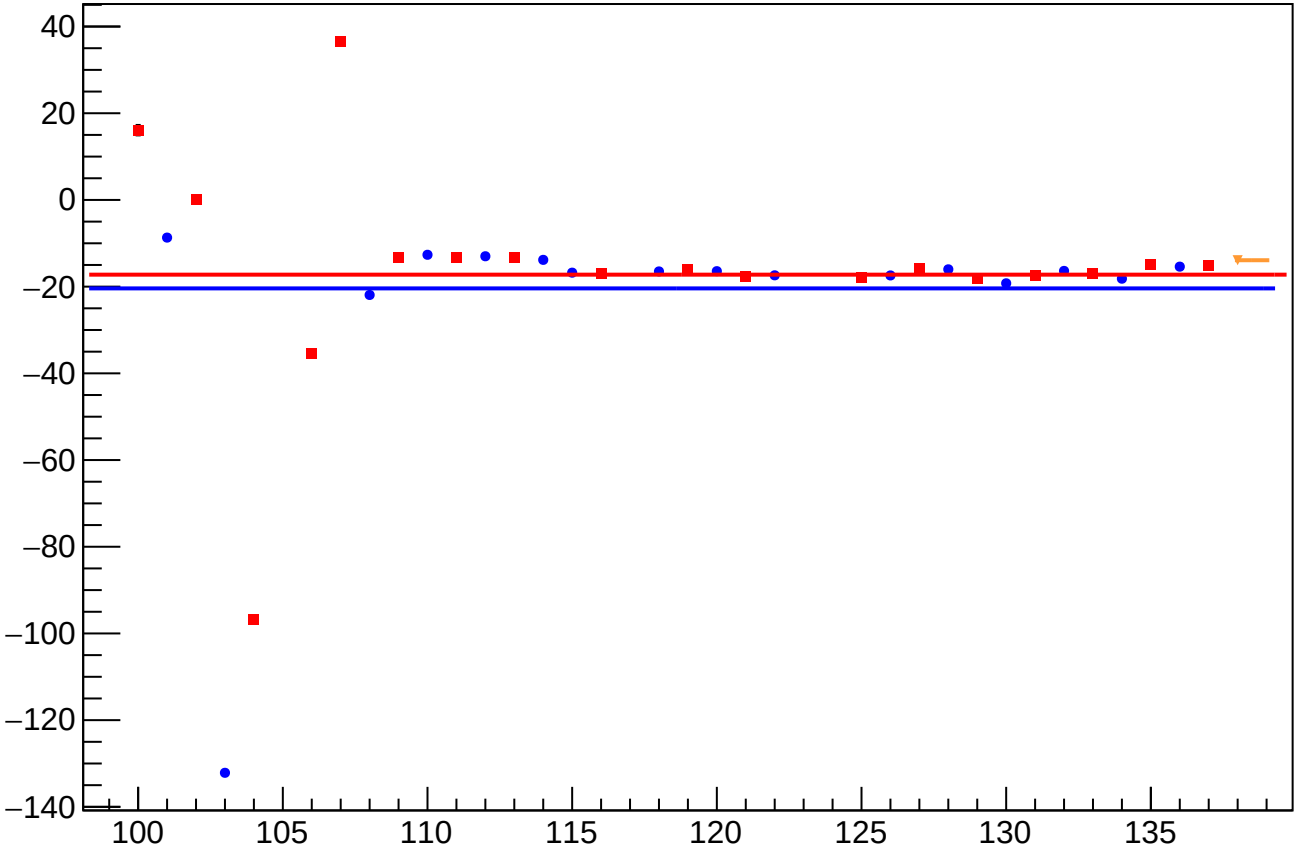
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 42.006+/-0.684 χ^2/NDF:272.7/15

Out: 41.266+/-0.658 χ^2/NDF:271.5/18

All: 41.622+/-0.474 χ^2/NDF: 544.8/34

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: -13.909+/-0.071 χ^2/NDF:0.0/0

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

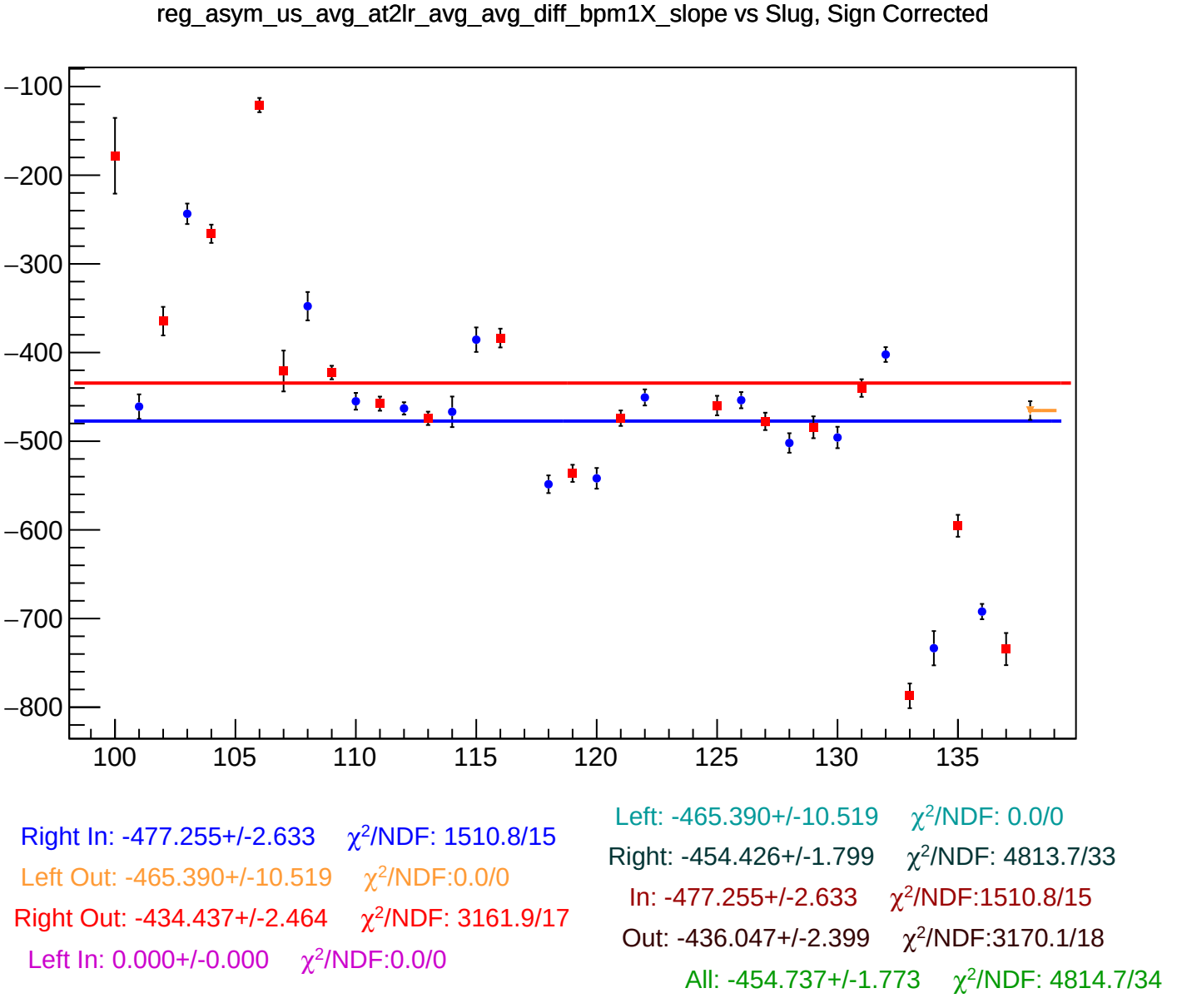
Left: -13.909+/-0.071 χ^2/NDF: 0.0/0

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

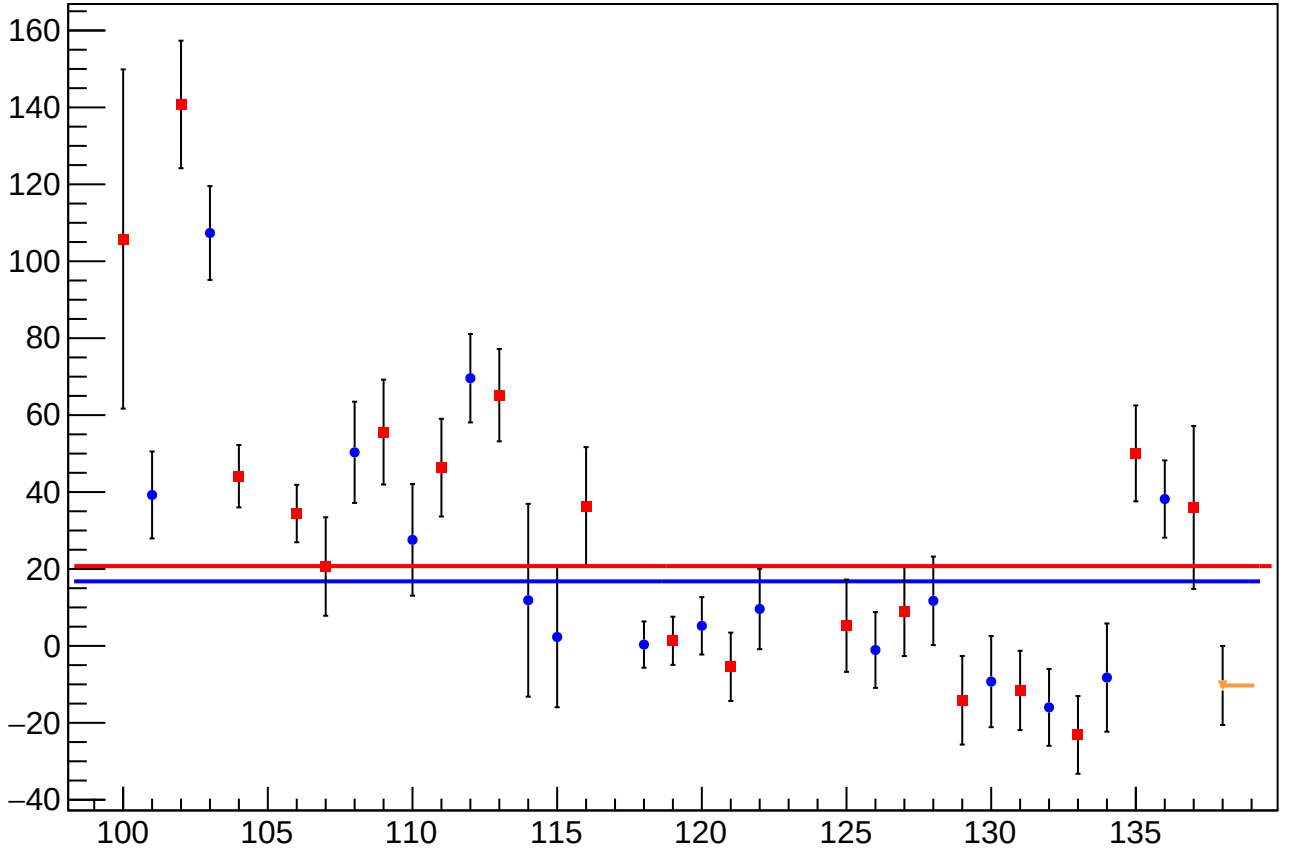
In: -20.405+/-0.042 χ^2/NDF:245611.9/15

Out: -16.310+/-0.037 χ^2/NDF:206242.2/18

All: -18.129+/-0.028 χ^2/NDF: 457161.6/34


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
105
110
115
120
125
130
135
Right In: -477.255+/-2.633 χ²/NDF: 1510.8/15
Left Out: -465.390+/-10.519 χ²/NDF:0.0/0
Right Out: -434.437+/-2.464 χ²/NDF: 3161.9/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -465.390+/-10.519 χ²/NDF: 0.0/0
Right: -454.426+/-1.799 χ²/NDF: 4813.7/33
In: -477.255+/-2.633 χ²/NDF:1510.8/15
Out: -436.047+/-2.399 χ²/NDF:3170.1/18
All: -454.737+/-1.773 χ²/NDF: 4814.7/34

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: -10.289+/-10.279 χ^2/NDF:0.0/0

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -10.289+/-10.279 χ^2/NDF: 0.0/0

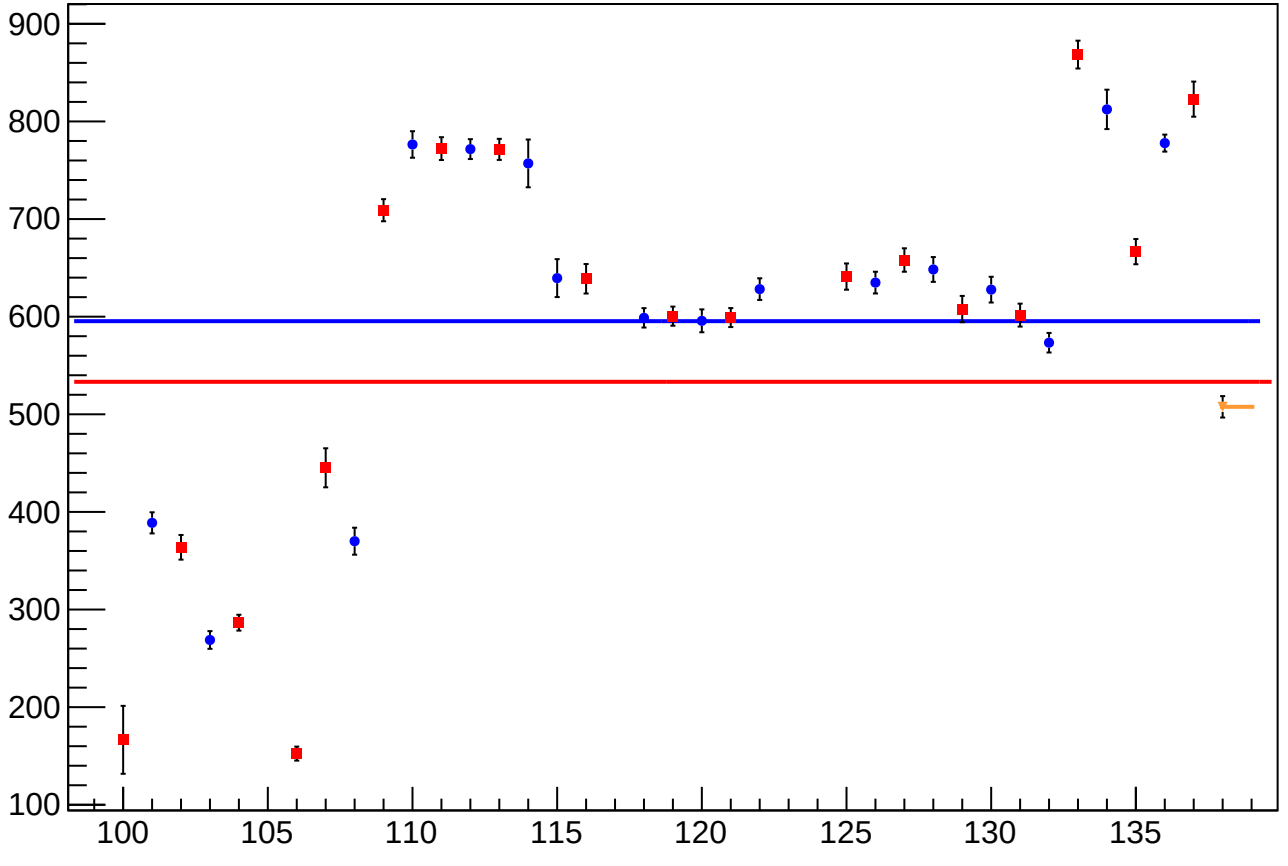
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 16.780+/-2.654 χ^2/NDF:125.0/15

Out: 18.952+/-2.473 χ^2/NDF:166.5/18

All: 17.942+/-1.810 χ^2/NDF: 291.9/34

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: 507.656+/-10.974 χ^2/NDF:0.0/0

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

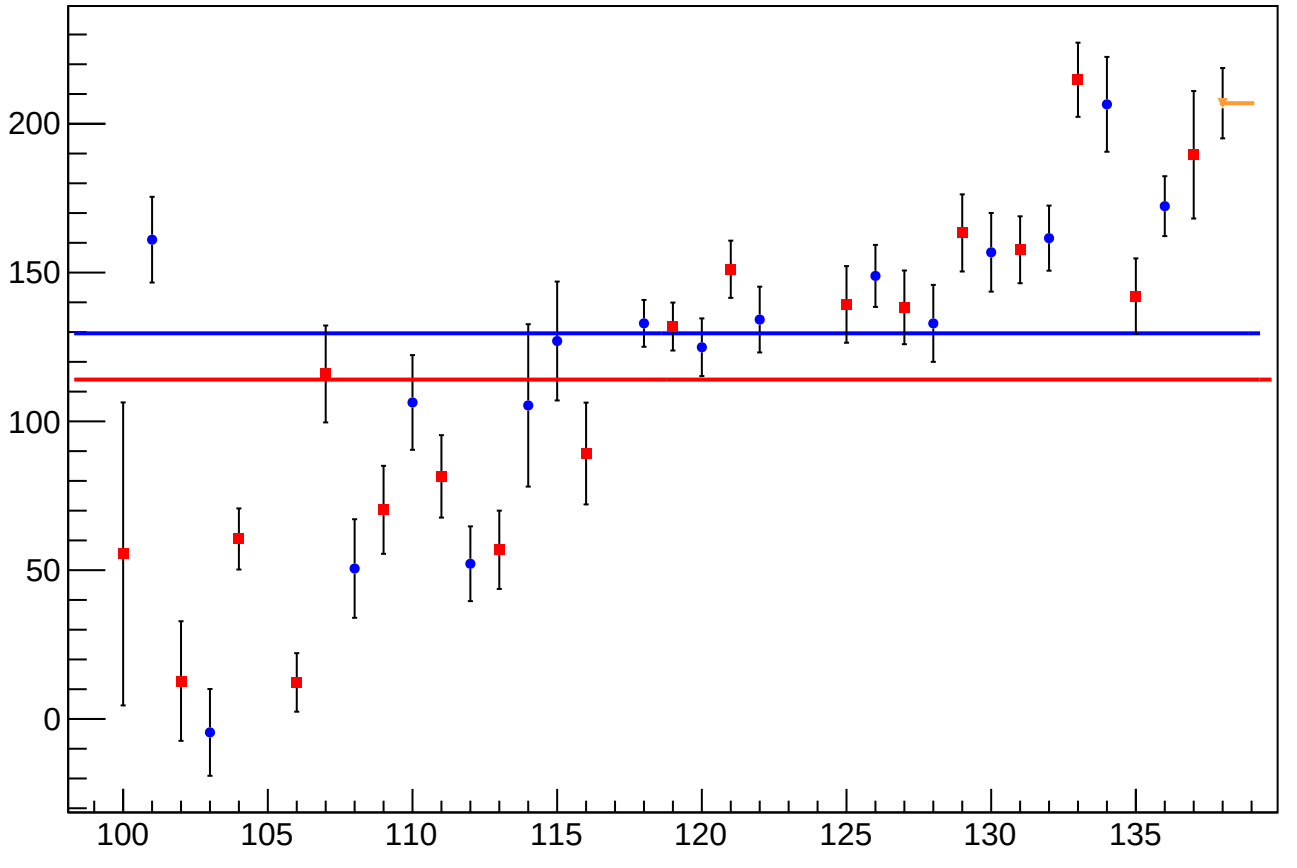
Left: 507.656+/-10.974 χ^2/NDF: 0.0/0

Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 595.406+/-2.930 χ^2/NDF:3059.7/15

Out: 531.773+/-2.664 χ^2/NDF:6508.0/18

All: 560.573+/-1.971 χ^2/NDF: 9826.0/34



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 206.912+/-11.814 χ^2/NDF:0.0/0

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

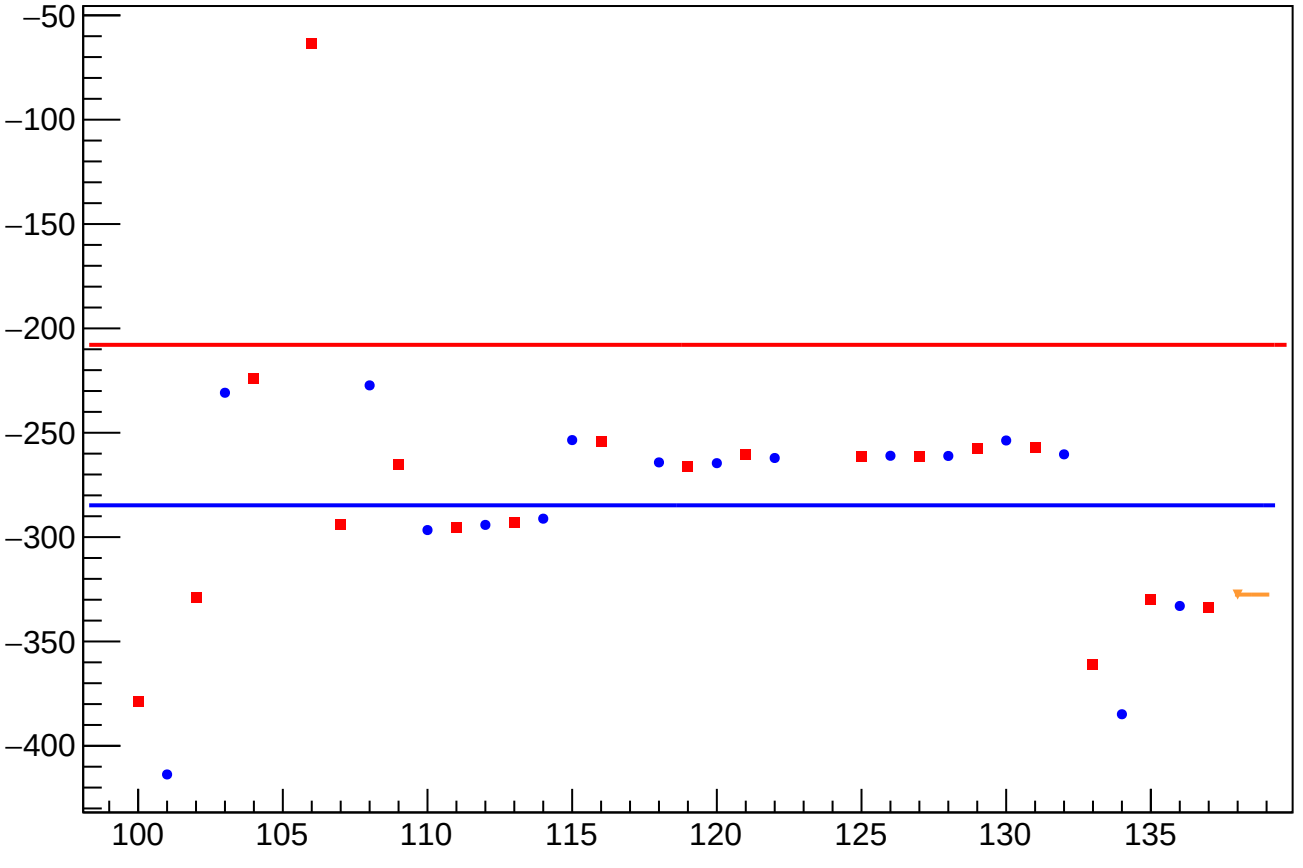
Left: 206.912+/-11.814 χ^2/NDF: 0.0/0

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 129.586+/-3.081 χ^2/NDF:211.2/15

Out: 119.589+/-2.886 χ^2/NDF:394.0/18

All: 124.261+/-2.106 χ^2/NDF: 610.9/34



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -327.532+/-0.442 χ^2/NDF:0.0/0

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

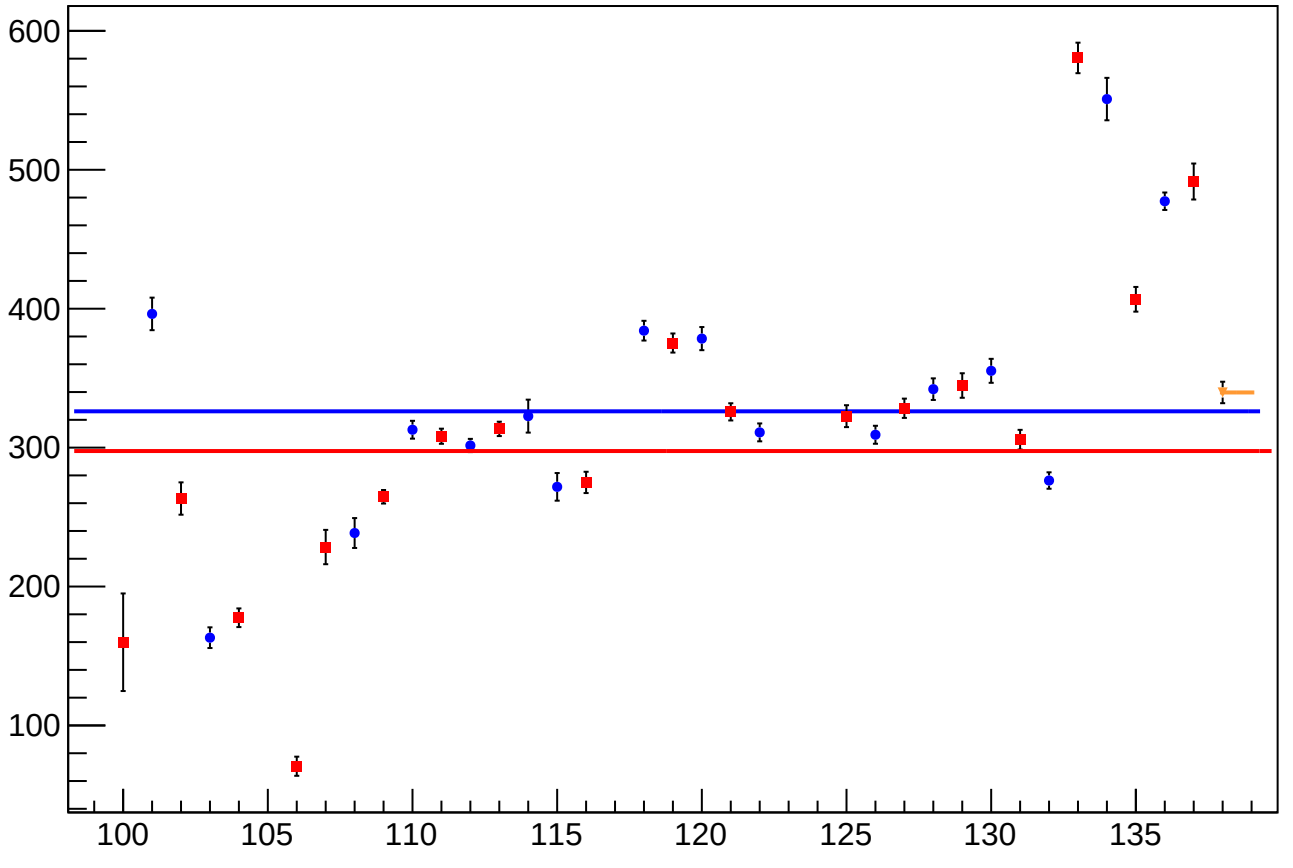
Left: -327.532+/-0.442 χ^2/NDF: 0.0/0

Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -284.765+/-0.178 χ^2/NDF:104370.4/15

Out: -220.054+/-0.141 χ^2/NDF:602488.8/18

All: -245.094+/-0.110 χ^2/NDF: 788289.6/34



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 339.708+/-7.727 χ^2/NDF:0.0/0

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 339.708+/-7.727 χ^2/NDF: 0.0/0

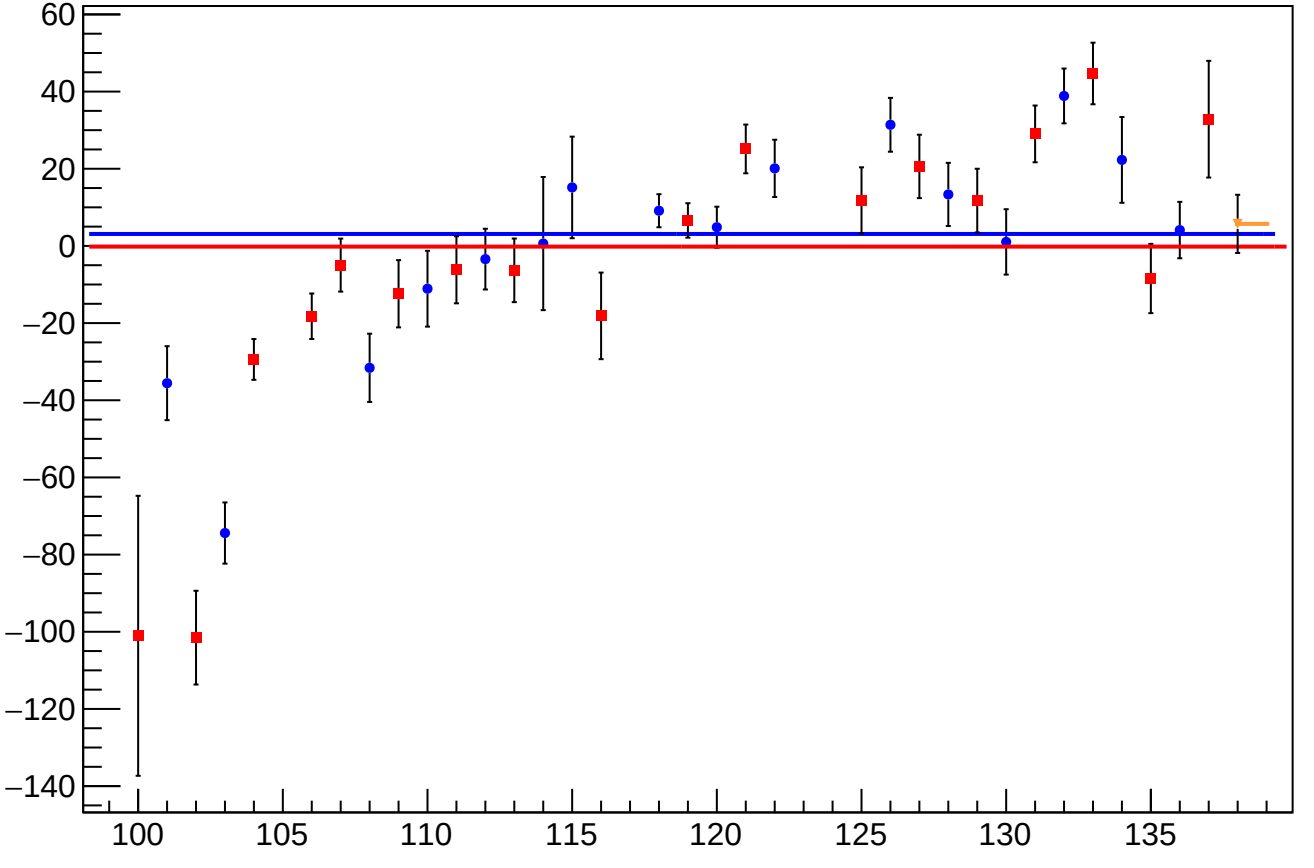
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 326.133+/-1.857 χ^2/NDF:1642.9/15

Out: 299.561+/-1.692 χ^2/NDF:2803.8/18

All: 311.620+/-1.251 χ^2/NDF: 4558.5/34

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: 5.714+/-7.539 χ^2/NDF:0.0/0

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 5.714+/-7.539 χ^2/NDF: 0.0/0

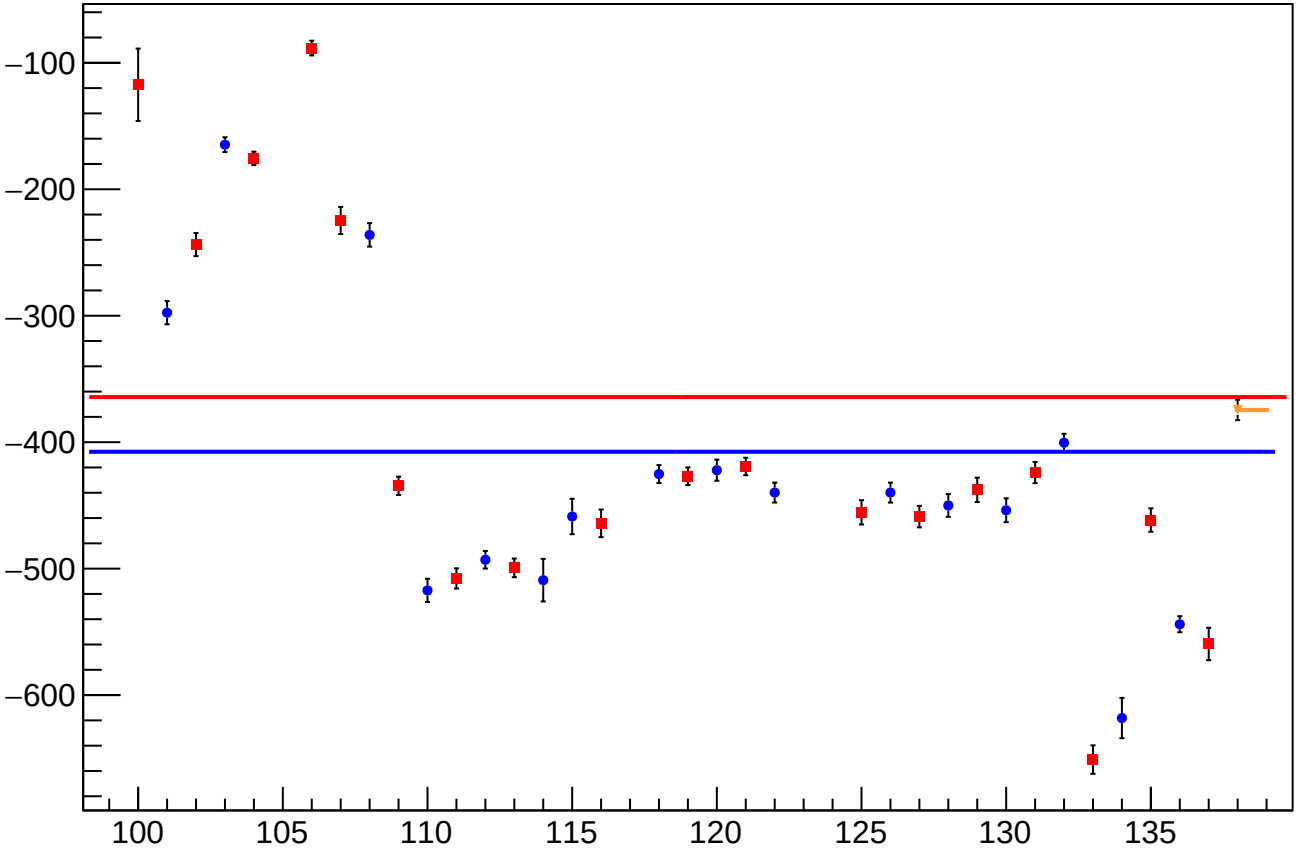
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: 3.101+/-1.892 χ^2/NDF:184.5/15

Out: 0.135+/-1.743 χ^2/NDF:205.8/18

All: 1.496+/-1.282 χ^2/NDF: 391.7/34

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -374.495+/-8.061 χ^2/NDF:0.0/0

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

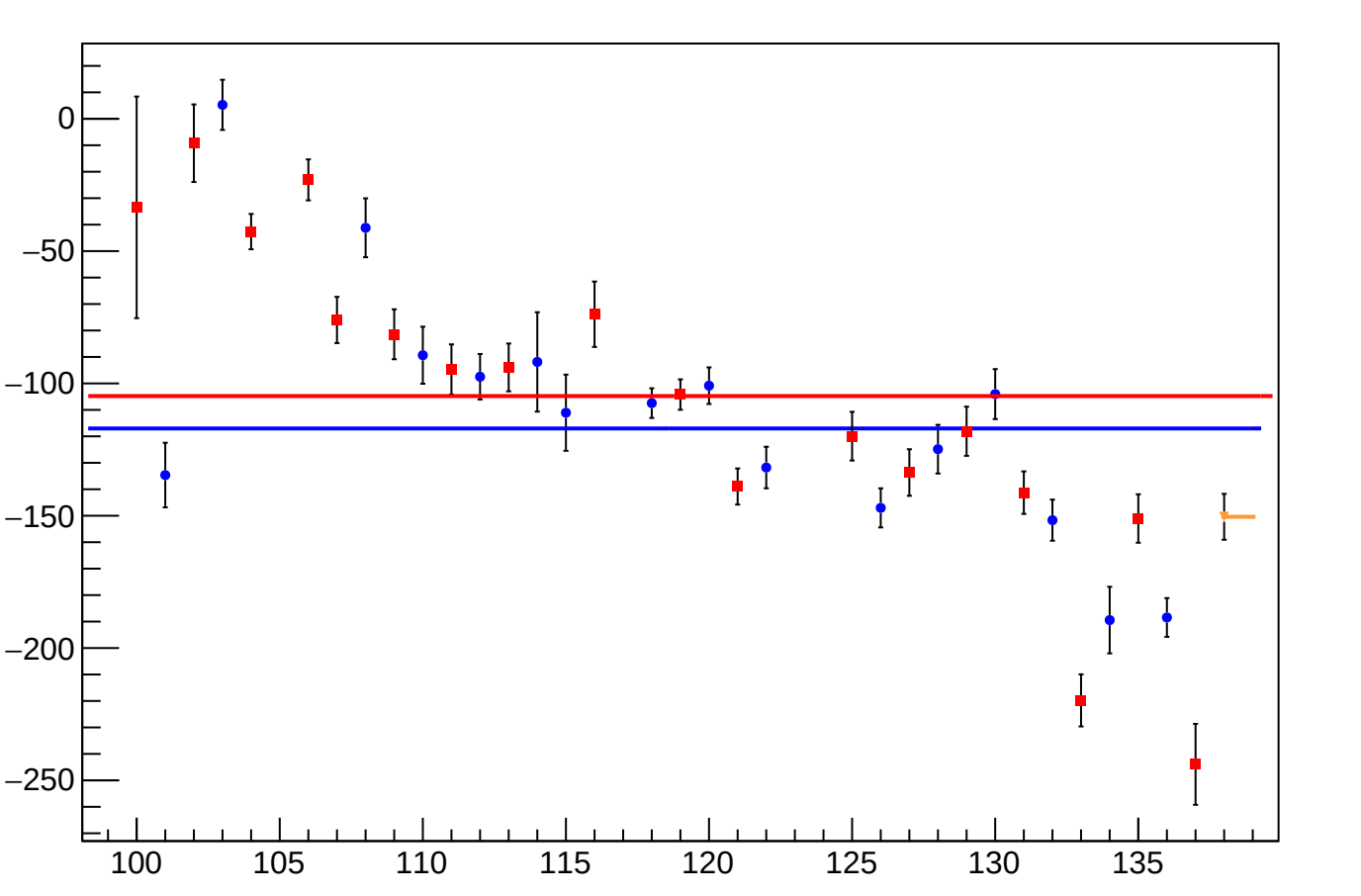
Left: -374.495+/-8.061 χ^2/NDF: 0.0/0

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -407.575+/-2.074 χ^2/NDF:3280.5/15

Out: -364.881+/-1.888 χ^2/NDF:6221.9/18

All: -384.234+/-1.396 χ^2/NDF: 9734.2/34



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -150.403+/-8.667 χ^2/NDF:0.0/0

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -150.403+/-8.667 χ^2/NDF: 0.0/0

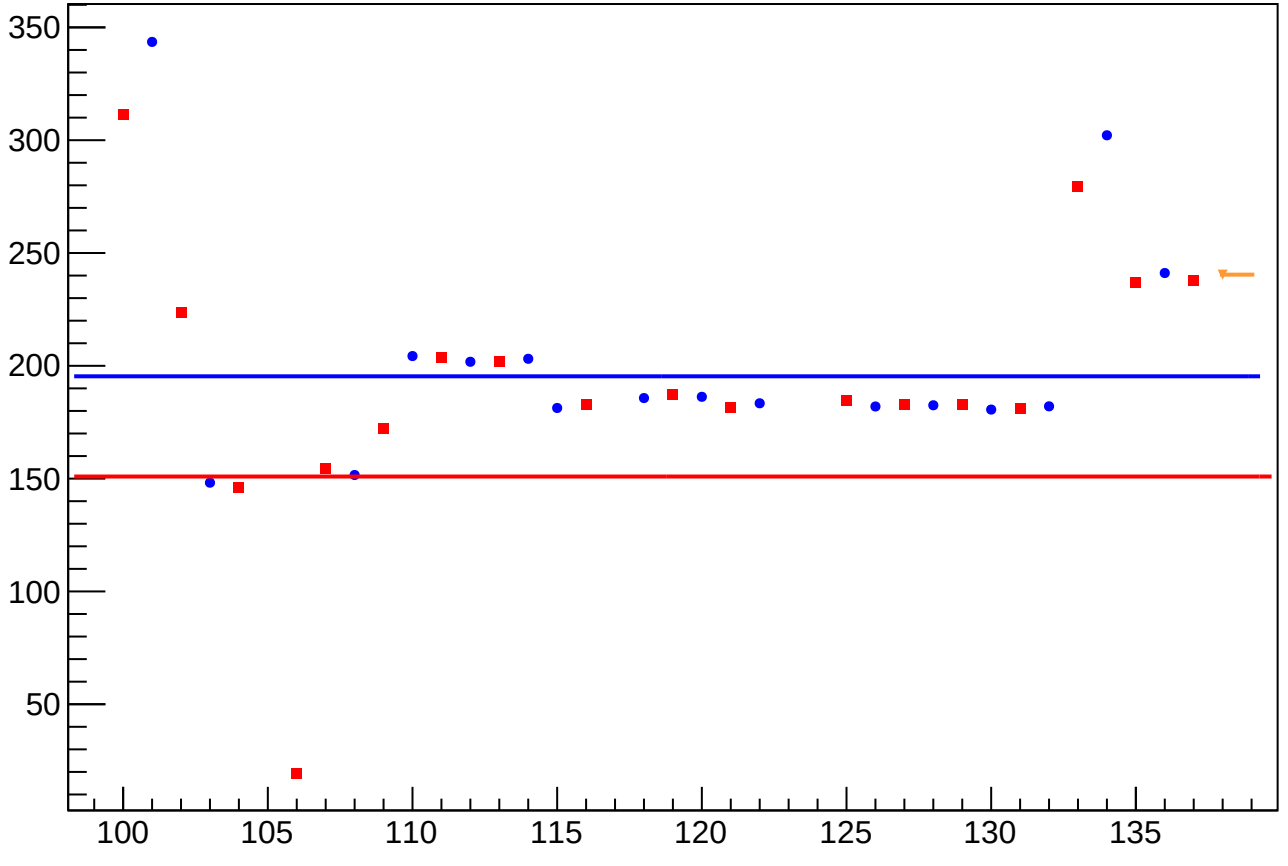
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -117.021+/-2.194 χ^2/NDF:407.8/15

Out: -107.288+/-2.032 χ^2/NDF:601.3/18

All: -111.782+/-1.491 χ^2/NDF: 1019.7/34

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 240.410+/-0.325 χ^2/NDF:0.0/0

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

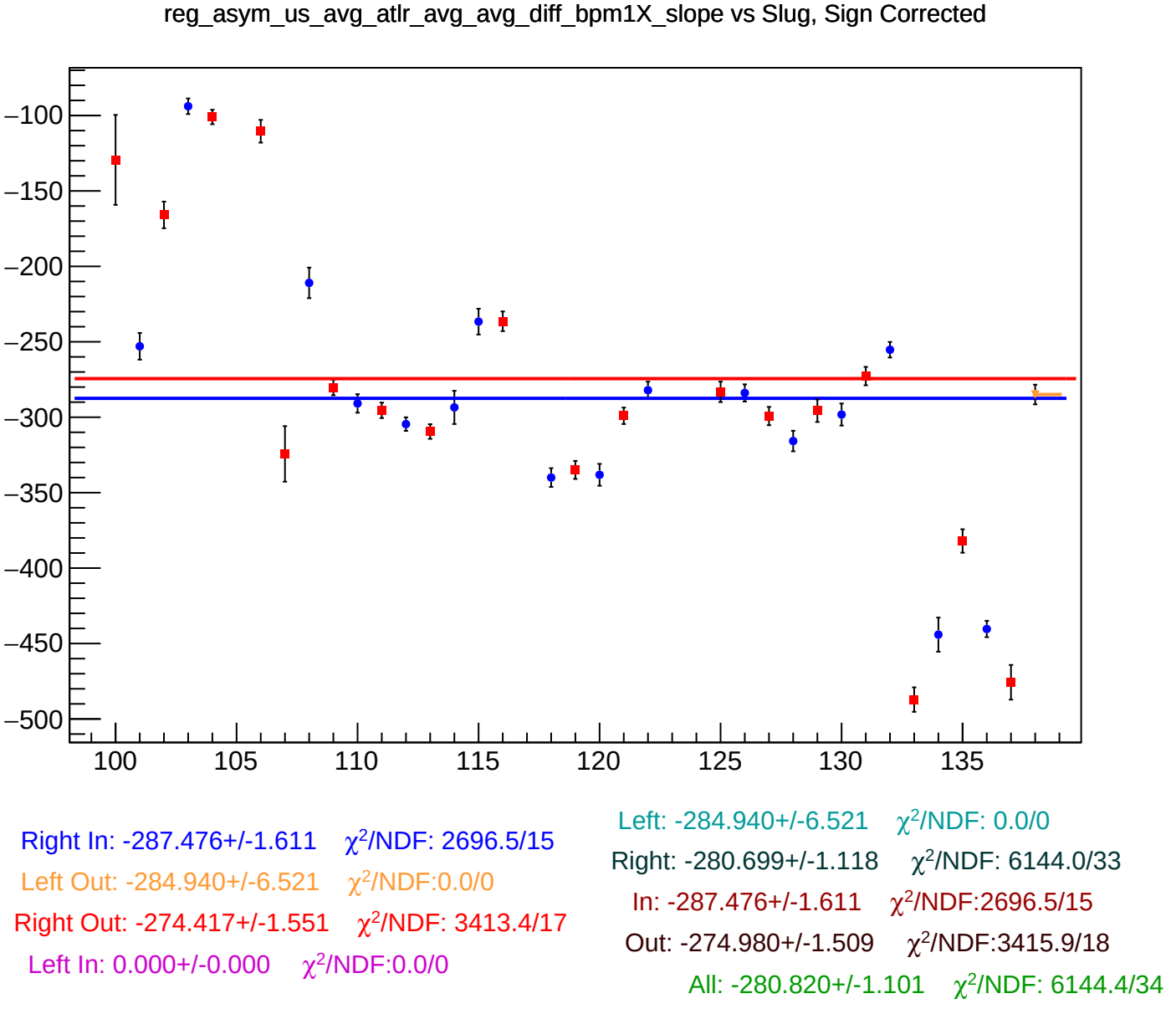
Left: 240.410+/-0.325 χ^2/NDF: 0.0/0

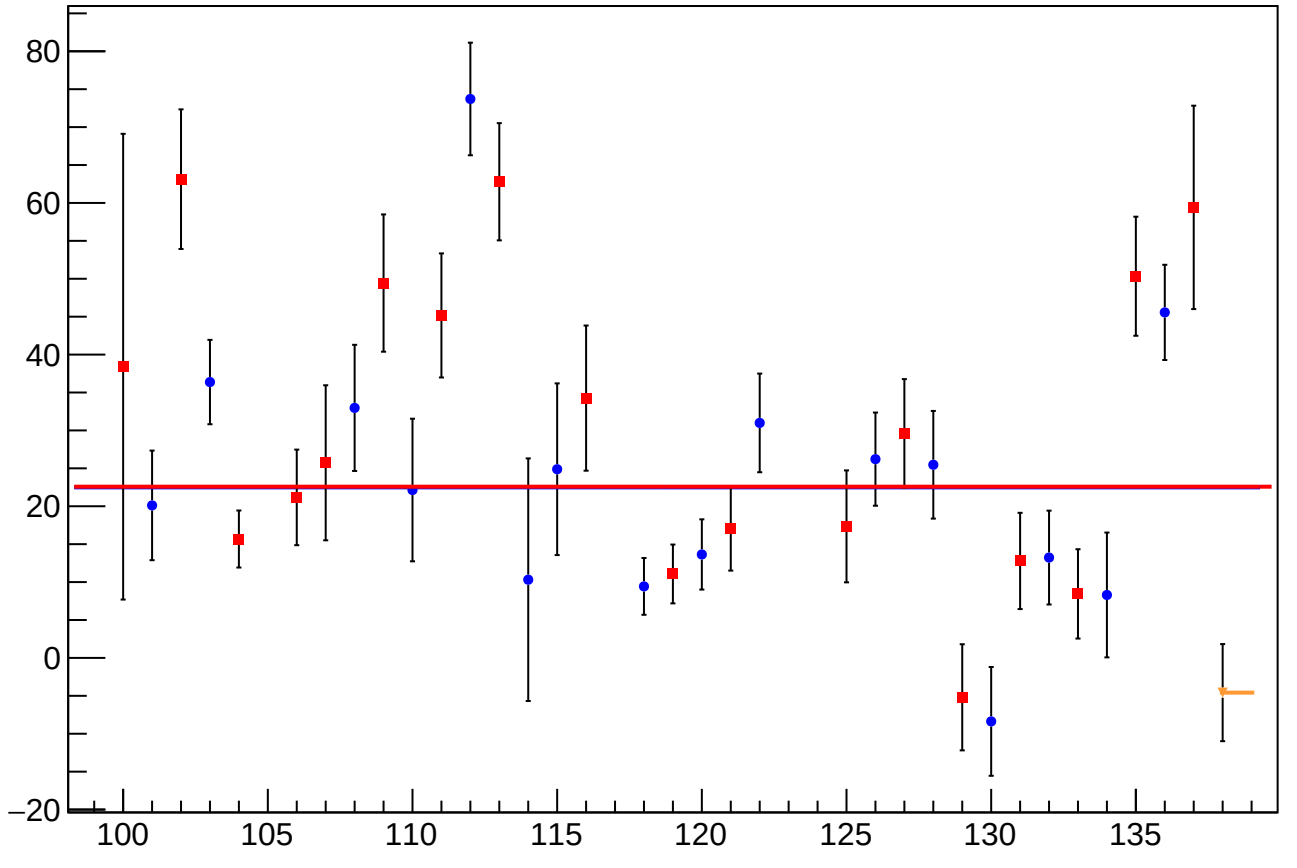
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 195.351+/-0.125 χ^2/NDF:176975.5/15

Out: 160.154+/-0.104 χ^2/NDF:567222.9/18

All: 174.658+/-0.080 χ^2/NDF: 791090.2/34


reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−150
−200
−250
−300
−350
−400
−450
−500
100
105
110
115
120
125
130
135
Right In: -287.476+/-1.611 χ²/NDF: 2696.5/15
Left Out: -284.940+/-6.521 χ²/NDF:0.0/0
Right Out: -274.417+/-1.551 χ²/NDF: 3413.4/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -284.940+/-6.521 χ²/NDF: 0.0/0
Right: -280.699+/-1.118 χ²/NDF: 6144.0/33
In: -287.476+/-1.611 χ²/NDF:2696.5/15
Out: -274.980+/-1.509 χ²/NDF:3415.9/18
All: -280.820+/-1.101 χ²/NDF: 6144.4/34



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: -4.580+/-6.403 χ^2/NDF:0.0/0

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

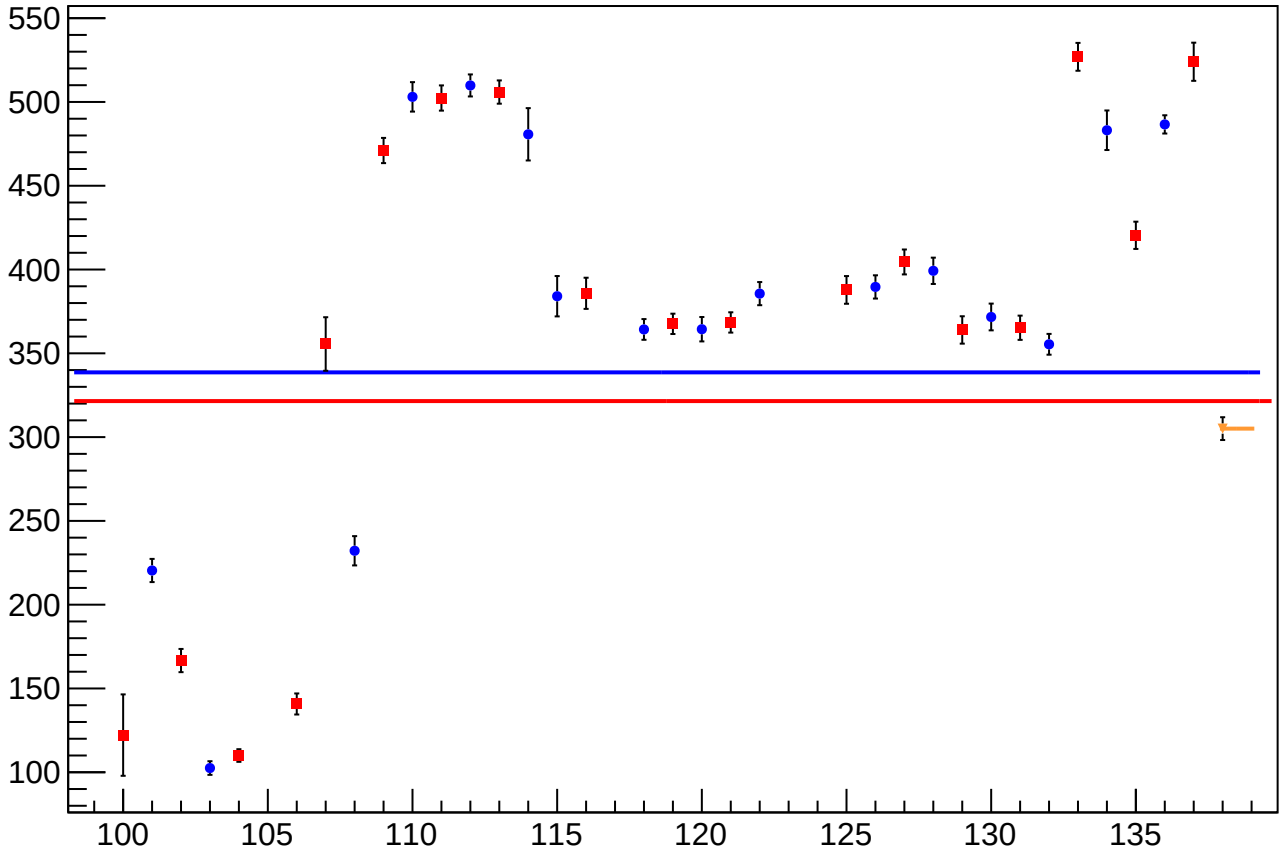
Left: -4.580+/-6.403 χ^2/NDF: 0.0/0

Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 22.492+/-1.621 χ^2/NDF:111.4/15

Out: 21.040+/-1.525 χ^2/NDF:140.3/18

All: 21.722+/-1.110 χ^2/NDF: 252.2/34



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 305.063+/-6.803 χ^2/NDF:0.0/0

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

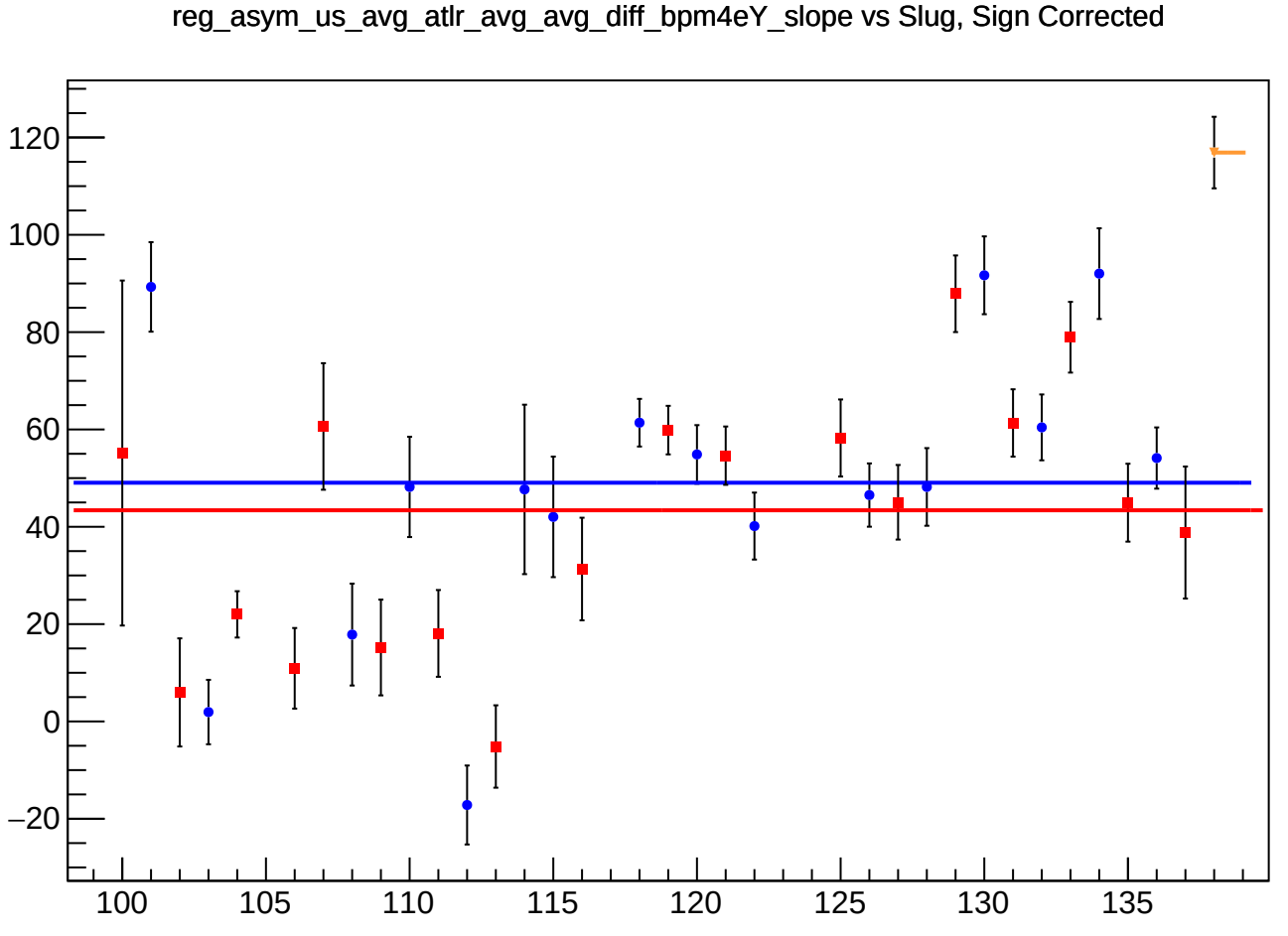
Left: 305.063+/-6.803 χ^2/NDF: 0.0/0

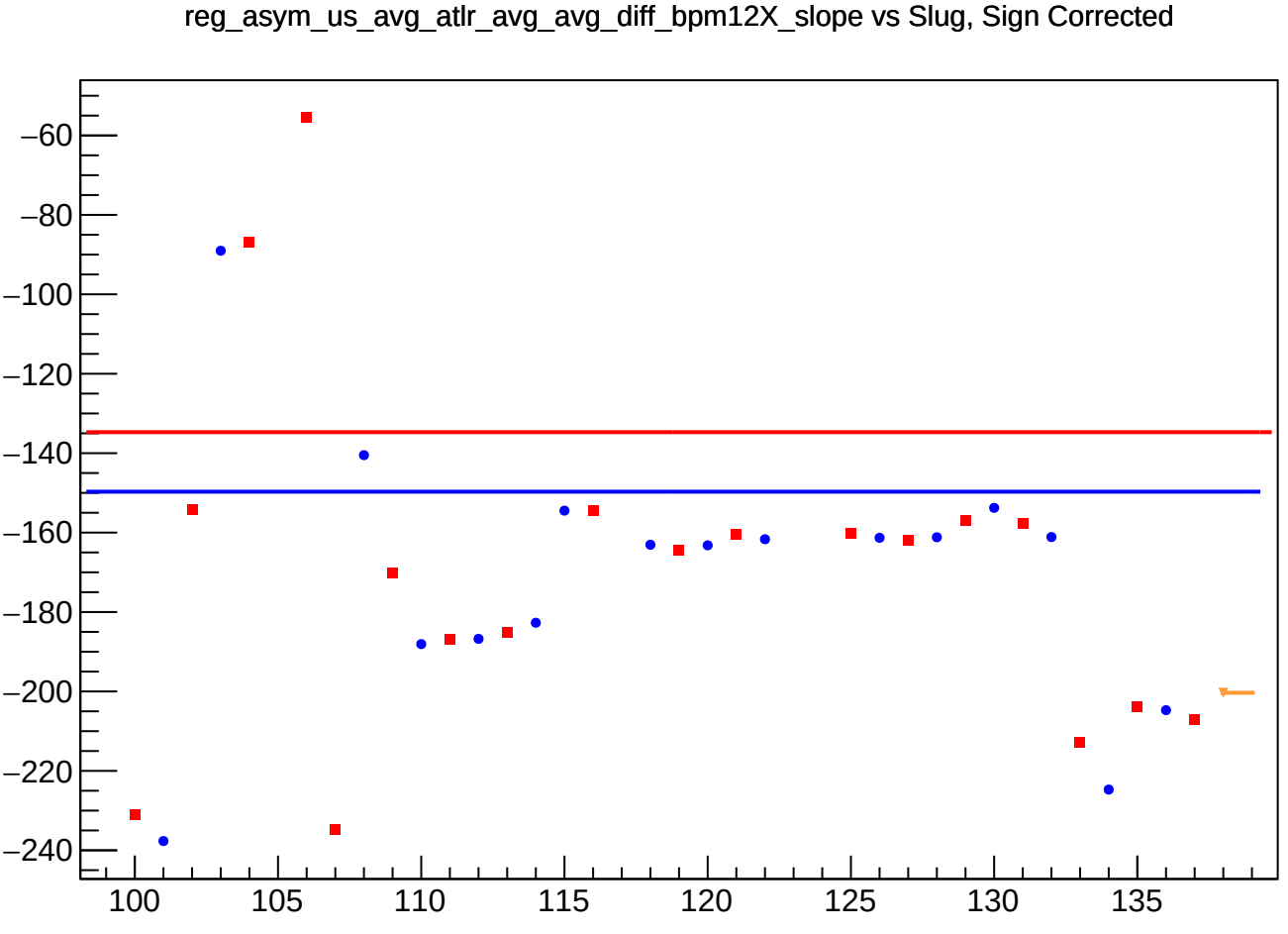
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 338.633+/-1.748 χ^2/NDF:6042.6/15

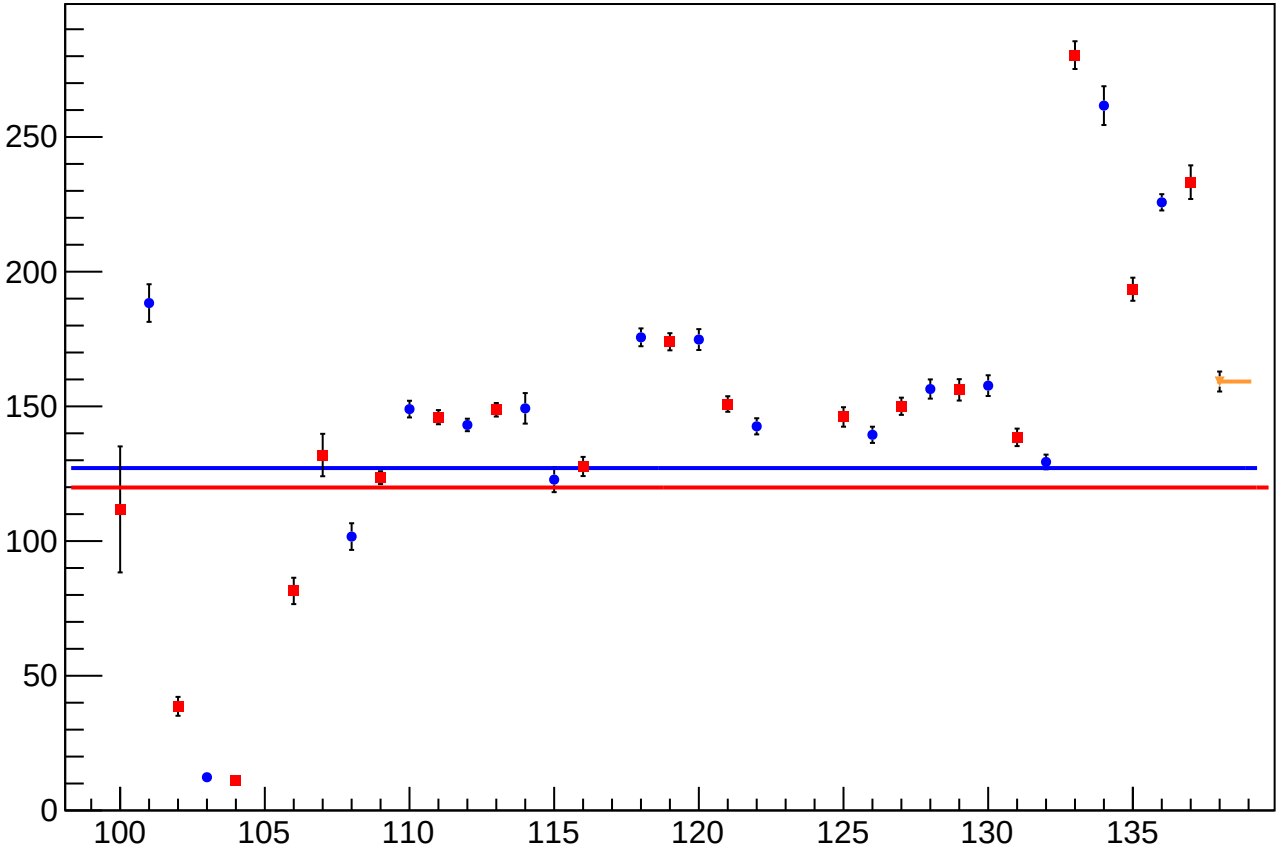
Out: 320.541+/-1.644 χ^2/NDF:7726.3/18

All: 329.031+/-1.198 χ^2/NDF: 13825.8/34


reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
120
100
80
60
40
20
0
−20
100
105
110
115
120
125
130
135
Right In: 49.053+/-1.882 χ²/NDF: 207.9/15
Left Out: 116.899+/-7.350 χ²/NDF:0.0/0
Right Out: 43.392+/-1.834 χ²/NDF: 180.0/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 116.899+/-7.350 χ²/NDF: 0.0/0
Right: 46.149+/-1.314 χ²/NDF: 392.6/33
In: 49.053+/-1.882 χ²/NDF:207.9/15
Out: 47.700+/-1.779 χ²/NDF:274.2/18
All: 48.338+/-1.293 χ²/NDF: 482.4/34


reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−60
−80
−100
−120
−140
−160
−180
−200
−220
−240
100
105
110
115
120
125
130
135
Right In: -149.698+/-0.101 χ²/NDF: 256472.2/15
Left Out: -200.327+/-0.274 χ²/NDF:0.0/0
Right Out: -134.715+/-0.097 χ²/NDF: 312639.8/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -200.327+/-0.274 χ²/NDF: 0.0/0
Right: -141.917+/-0.070 χ²/NDF: 580582.0/33
In: -149.698+/-0.101 χ²/NDF:256472.2/15
Out: -142.038+/-0.091 χ²/NDF:363709.6/18
All: -145.494+/-0.068 χ²/NDF: 623349.9/34

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: 159.225+/-3.708 χ^2/NDF:0.0/0

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 159.225+/-3.708 χ^2/NDF: 0.0/0

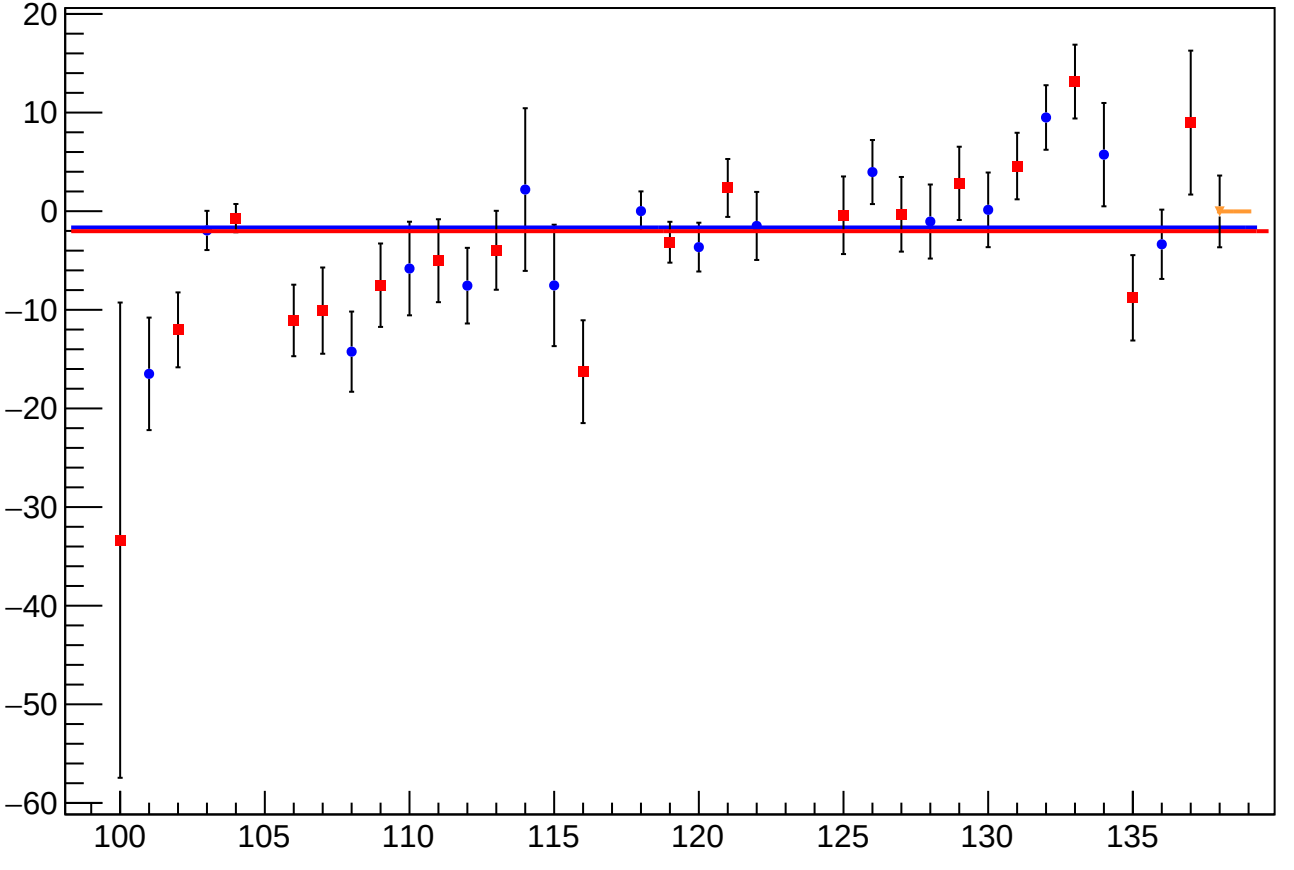
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 127.100+/-0.811 χ^2/NDF:6163.2/15

Out: 121.530+/-0.758 χ^2/NDF:6757.4/18

All: 124.127+/-0.554 χ^2/NDF: 12945.8/34

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: -0.022+/-3.637 χ^2/NDF:0.0/0

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

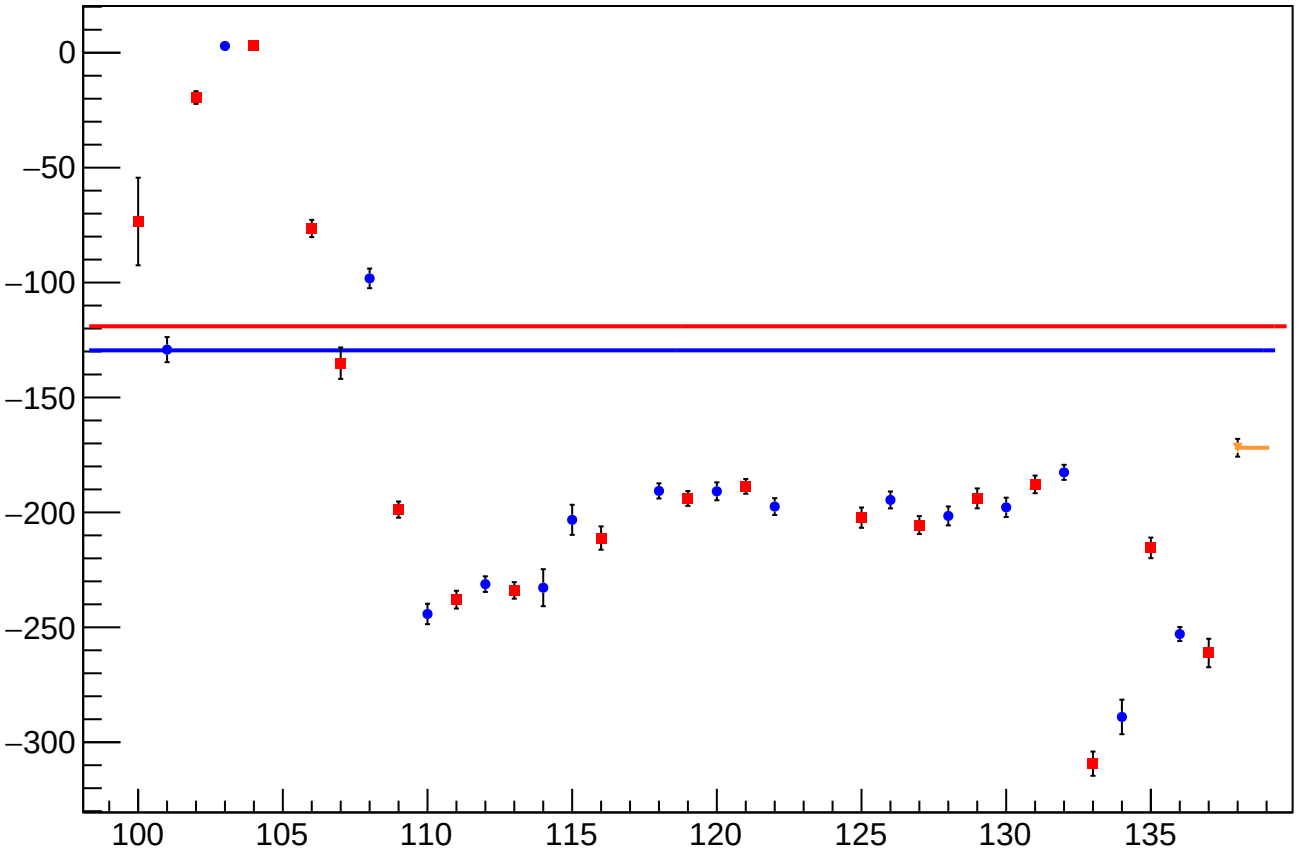
Left: -0.022+/-3.637 χ^2/NDF: 0.0/0

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -1.651+/-0.833 χ^2/NDF:39.1/15

Out: -1.941+/-0.754 χ^2/NDF:58.9/18

All: -1.811+/-0.559 χ^2/NDF: 98.0/34



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -171.878+/-3.868 χ^2/NDF:0.0/0

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -171.878+/-3.868 χ^2/NDF: 0.0/0

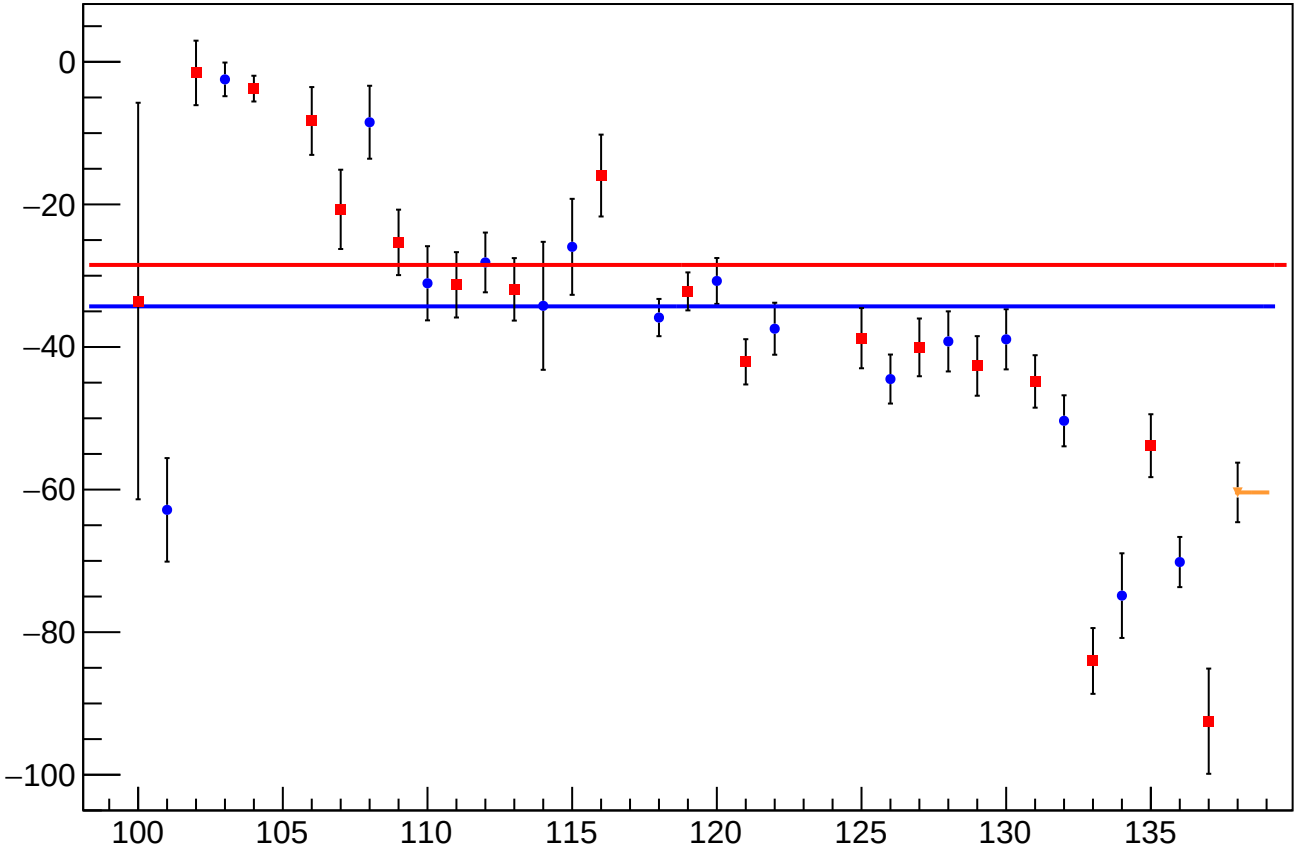
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -129.497+/-0.846 χ^2/NDF:14687.9/15

Out: -121.257+/-0.795 χ^2/NDF:16356.1/18

All: -125.121+/-0.580 χ^2/NDF: 31094.3/34

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -60.398+/-4.175 χ^2/NDF:0.0/0

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -60.398+/-4.175 χ^2/NDF: 0.0/0

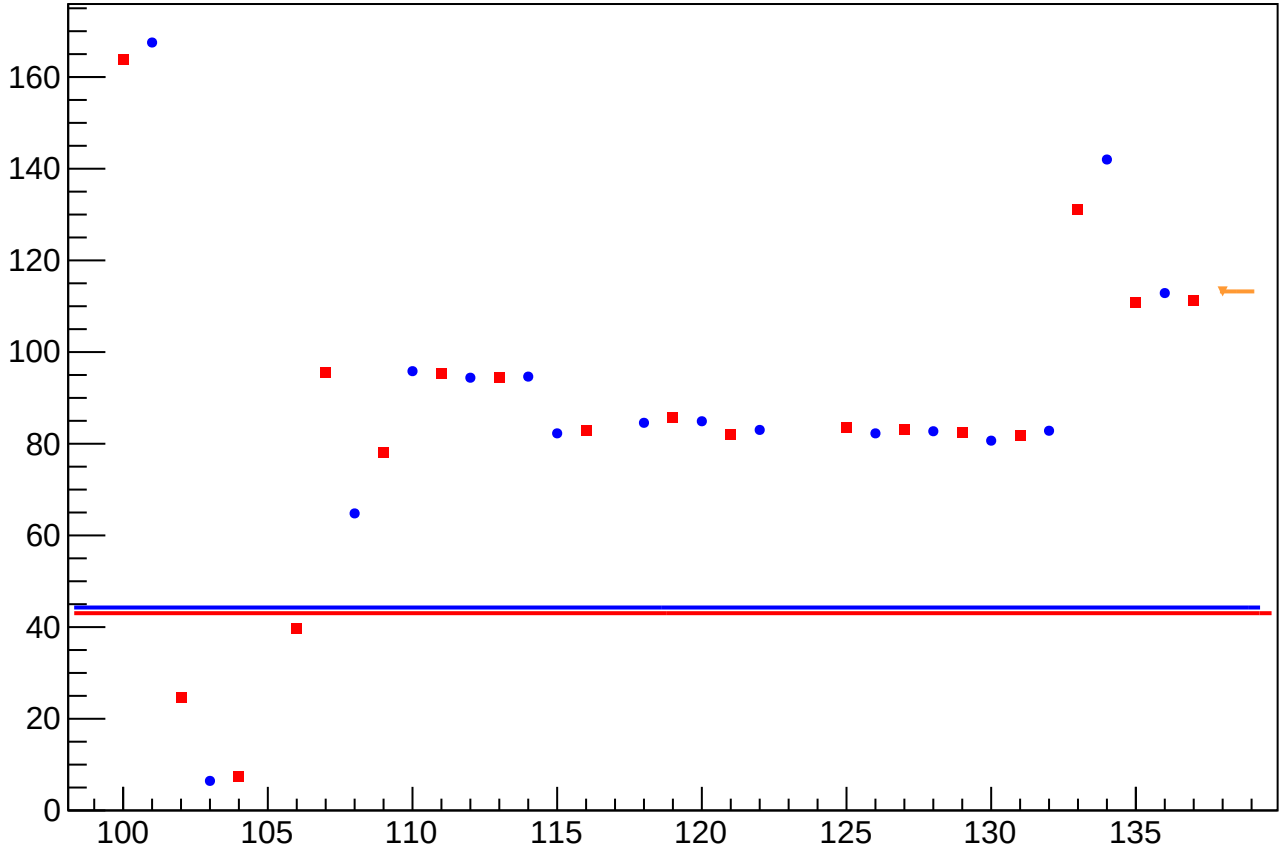
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -34.301+/-0.968 χ^2/NDF:411.3/15

Out: -29.925+/-0.886 χ^2/NDF:623.8/18

All: -31.921+/-0.654 χ^2/NDF: 1046.2/34

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: 113.229+/-0.156 χ^2/NDF:0.0/0

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 113.229+/-0.156 χ^2/NDF: 0.0/0

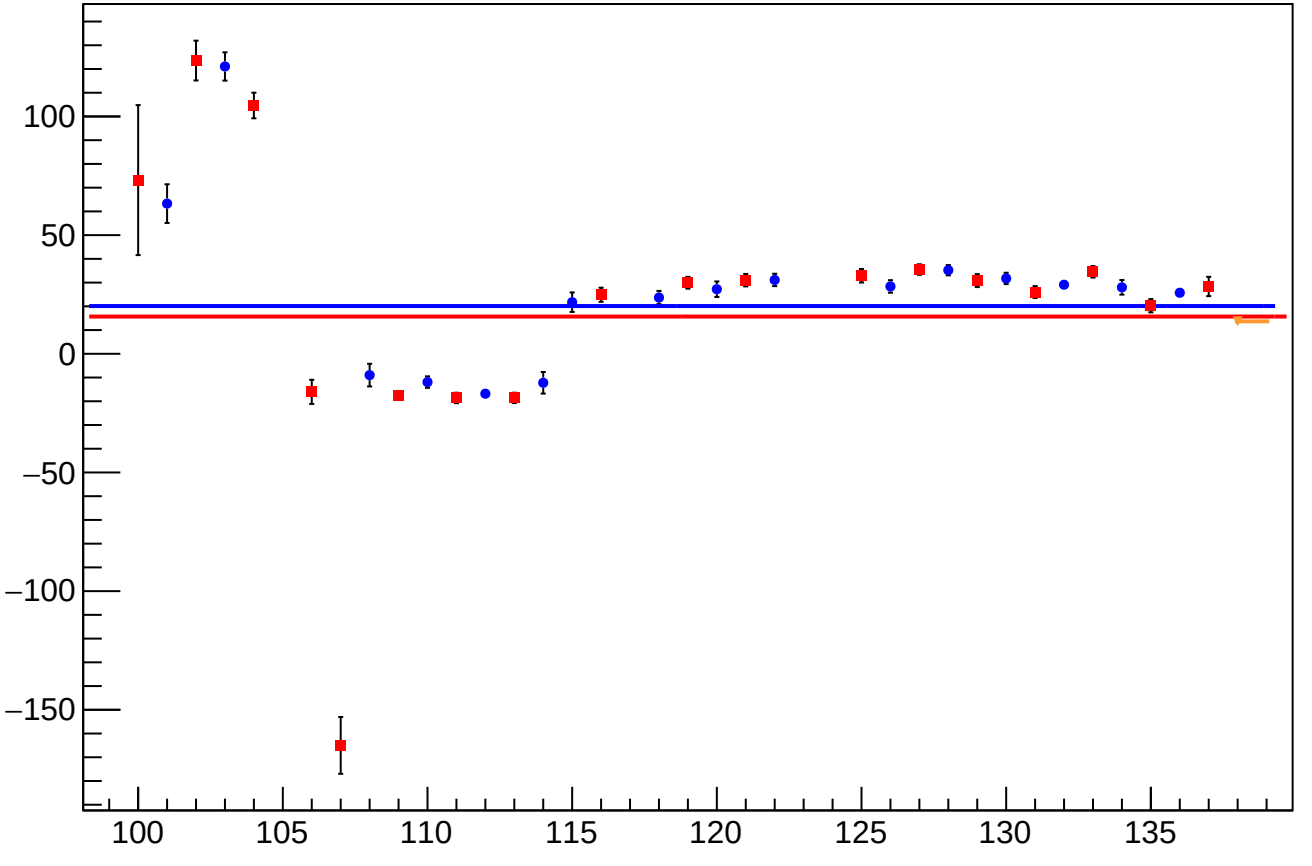
Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 44.274+/-0.045 χ^2/NDF:1085082.2/15

Out: 48.458+/-0.043 χ^2/NDF:992821.6/18

All: 46.446+/-0.031 χ^2/NDF: 2082403.4/34

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 13.663+/-2.091 χ^2/NDF:0.0/0

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 13.663+/-2.091 χ^2/NDF: 0.0/0

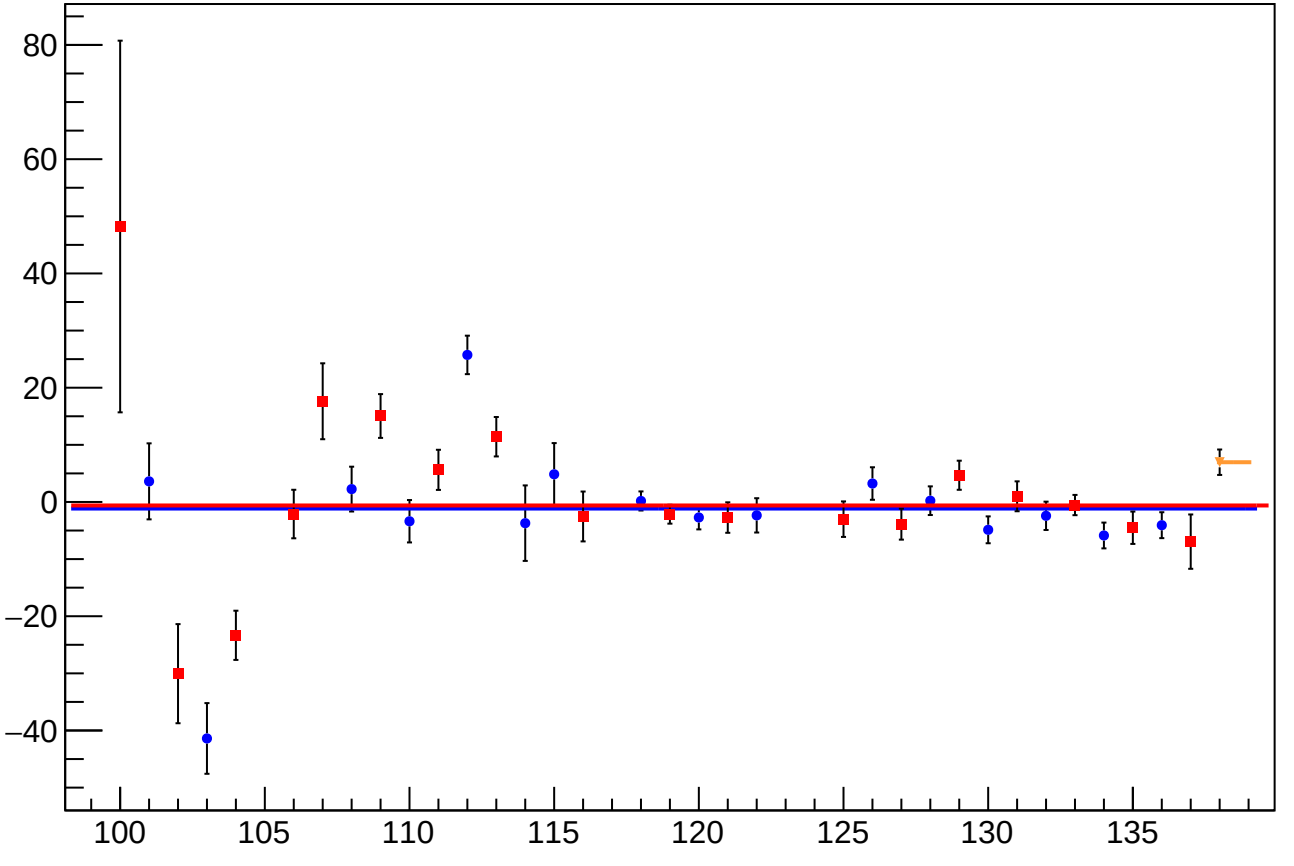
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 20.117+/-0.687 χ^2/NDF:1048.1/15

Out: 15.504+/-0.648 χ^2/NDF:1774.7/18

All: 17.678+/-0.472 χ^2/NDF: 2846.6/34

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: 6.957+/-2.226 χ^2/NDF:0.0/0

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 6.957+/-2.226 χ^2/NDF: 0.0/0

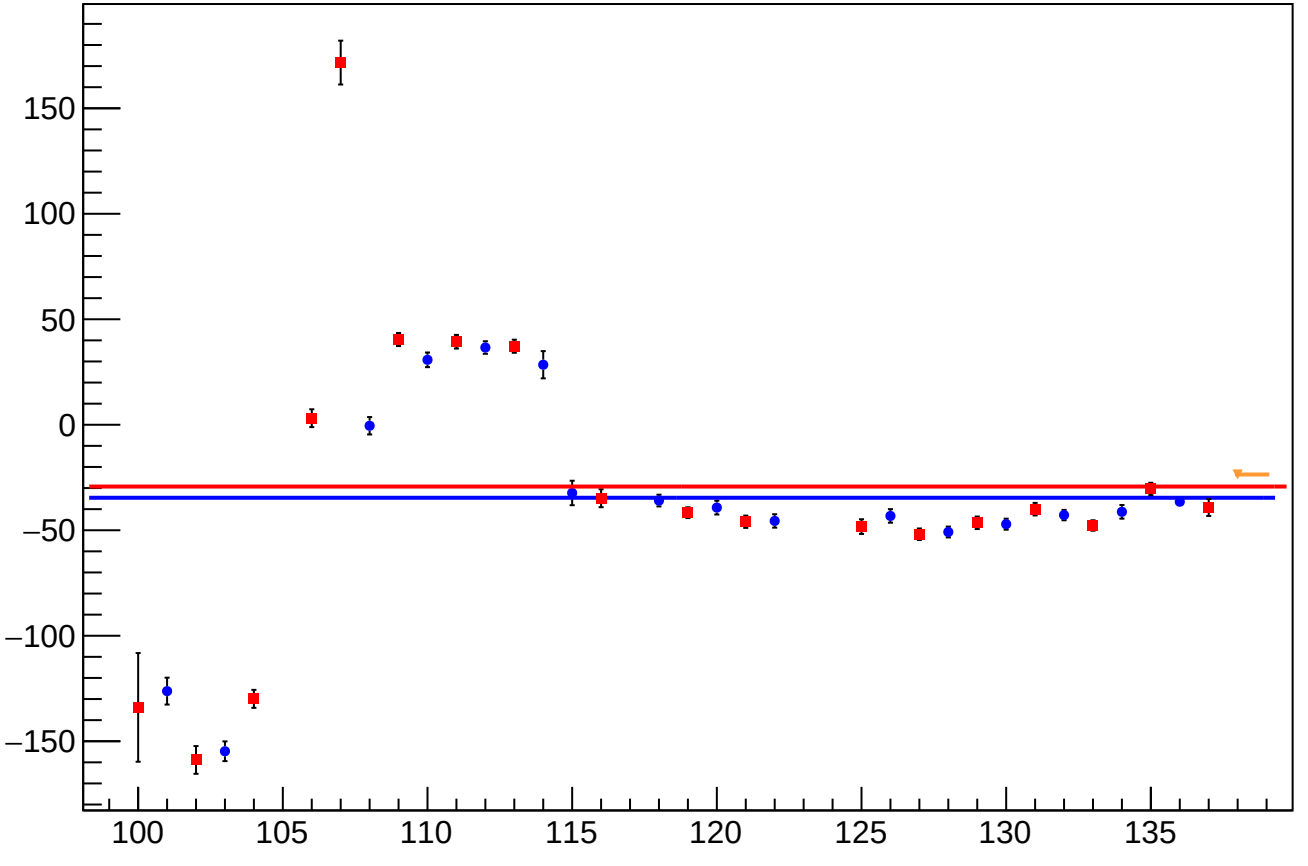
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -1.151+/-0.699 χ^2/NDF:121.8/15

Out: 0.091+/-0.679 χ^2/NDF:103.9/18

All: -0.512+/-0.487 χ^2/NDF: 227.3/34

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: -23.572+/-2.183 χ^2/NDF:0.0/0

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

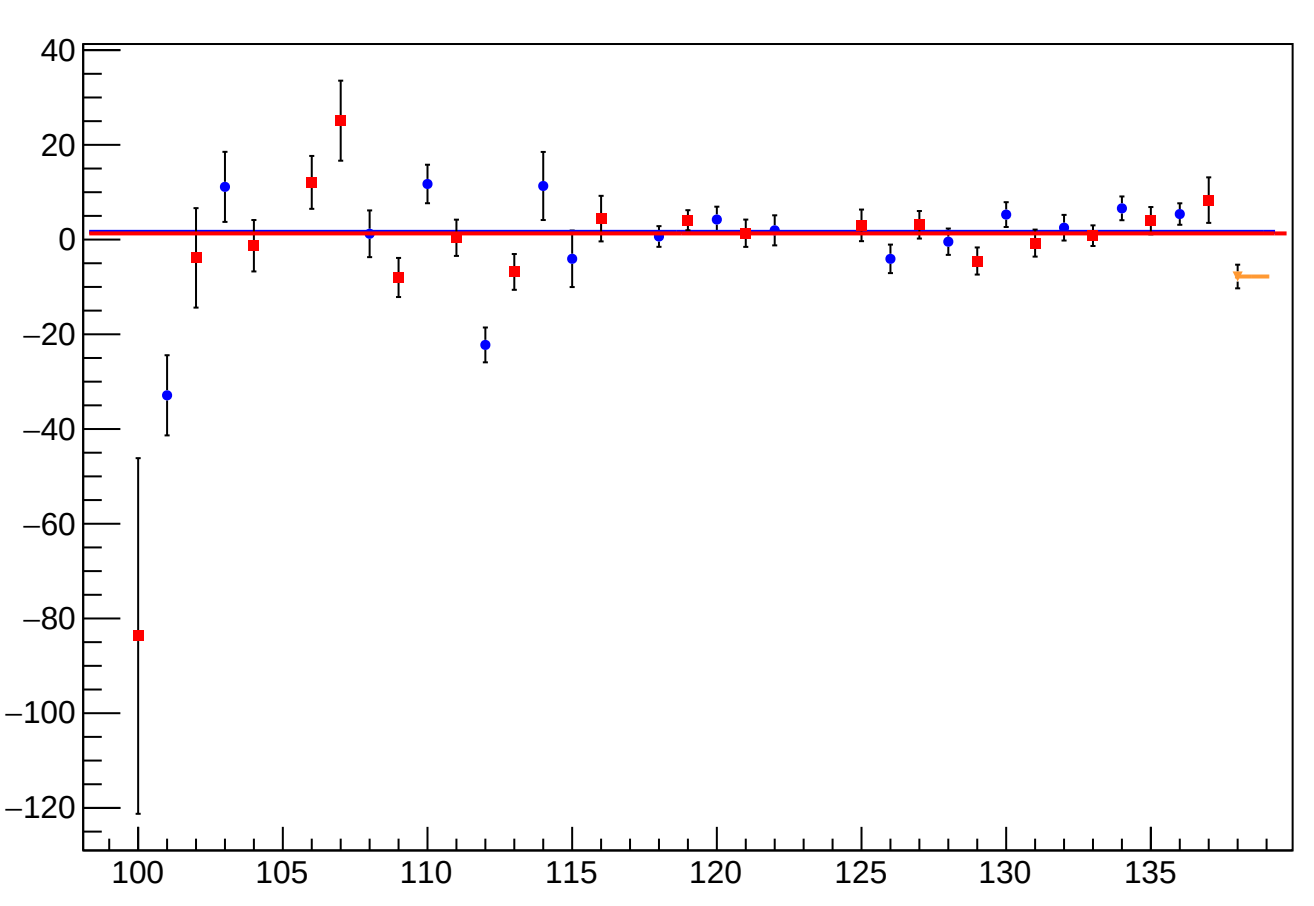
Left: -23.572+/-2.183 χ^2/NDF: 0.0/0

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -34.598+/-0.786 χ^2/NDF:2058.4/15

Out: -28.602+/-0.751 χ^2/NDF:3087.1/18

All: -31.463+/-0.543 χ^2/NDF: 5175.9/34



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: -7.799+/-2.496 χ^2/NDF:0.0/0

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

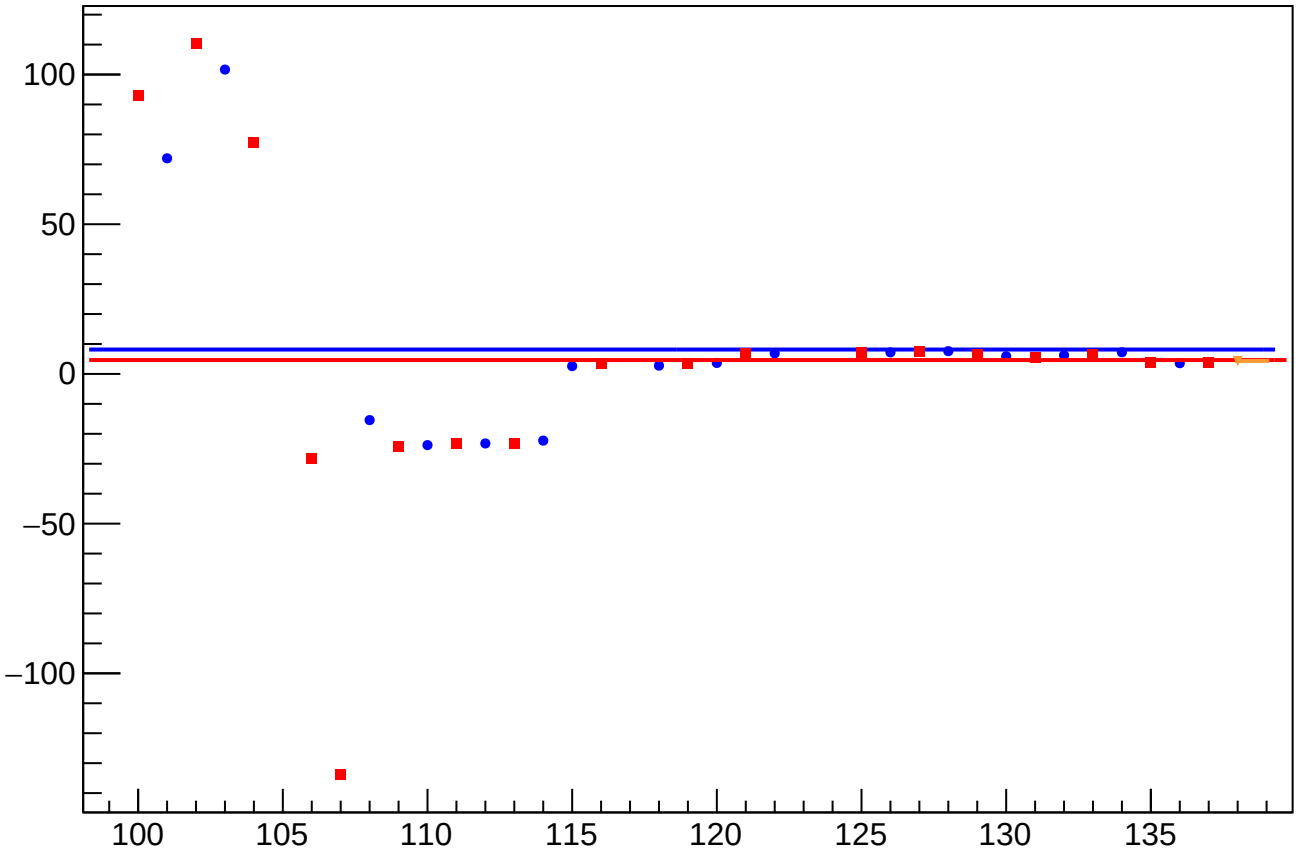
Left: -7.799+/-2.496 χ^2/NDF: 0.0/0

Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 1.630+/-0.797 χ^2/NDF:83.3/15

Out: 0.419+/-0.776 χ^2/NDF:49.5/18

All: 1.009+/-0.556 χ^2/NDF: 134.0/34



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: 4.352+/-0.086 χ^2/NDF:0.0/0

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

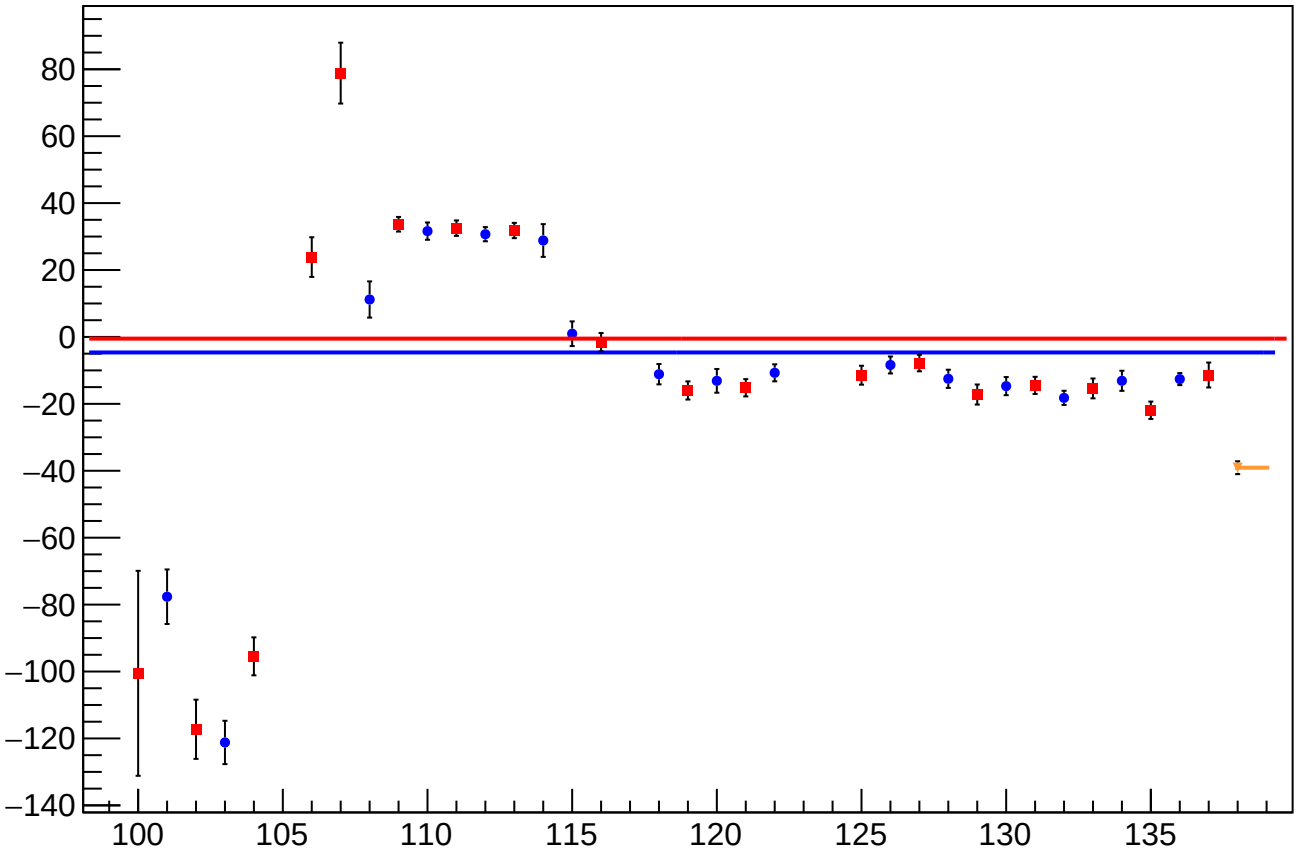
Left: 4.352+/-0.086 χ^2/NDF: 0.0/0

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 8.146+/-0.048 χ^2/NDF:313350.7/15

Out: 4.562+/-0.044 χ^2/NDF:446813.9/18

All: 6.195+/-0.033 χ^2/NDF: 763152.8/34



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -39.083+/-1.923 χ^2/NDF:0.0/0

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

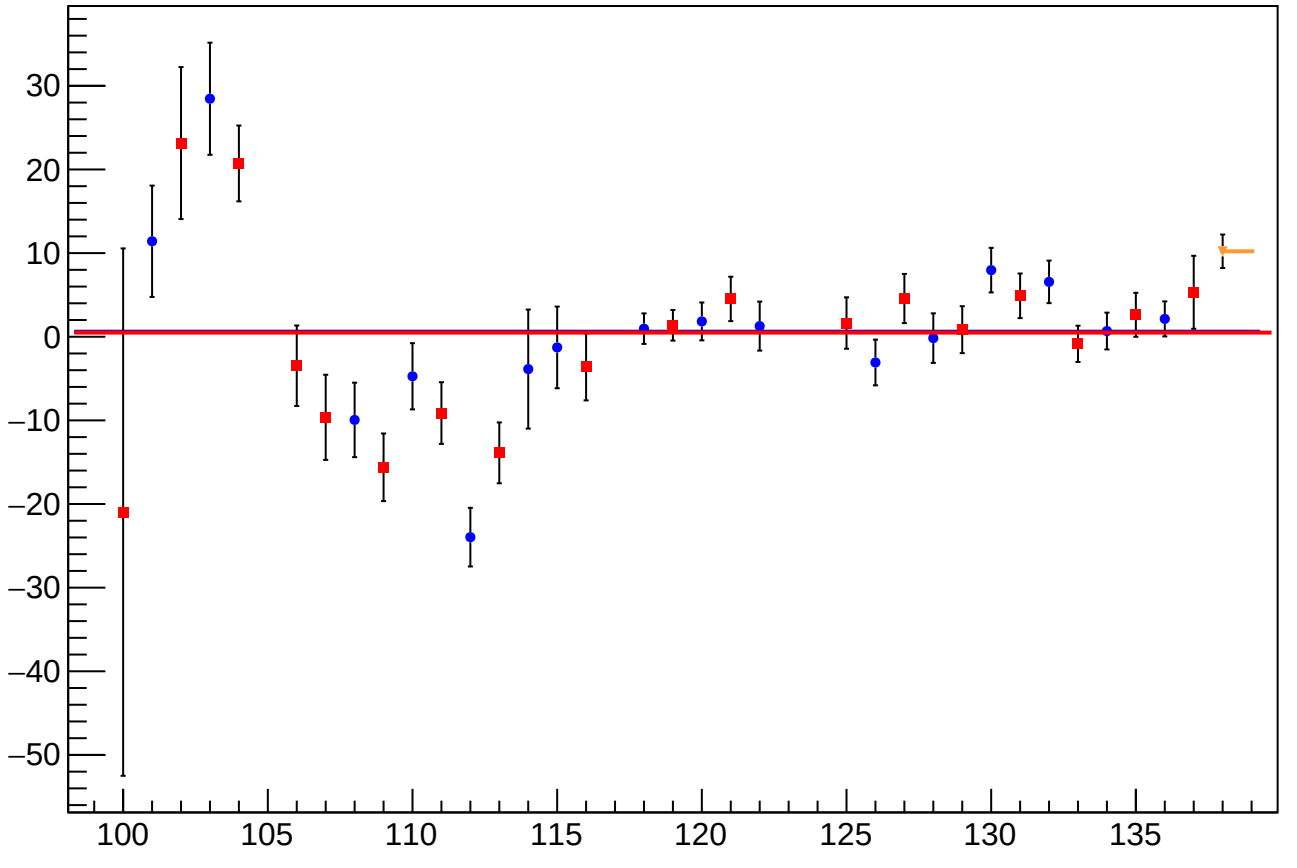
Left: -39.083+/-1.923 χ^2/NDF: 0.0/0

Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -4.640+/-0.712 χ^2/NDF:1046.3/15

Out: -5.142+/-0.667 χ^2/NDF:1811.8/18

All: -4.908+/-0.487 χ^2/NDF: 2858.4/34



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 10.217+/-2.003 χ^2/NDF:0.0/0

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 10.217+/-2.003 χ^2/NDF: 0.0/0

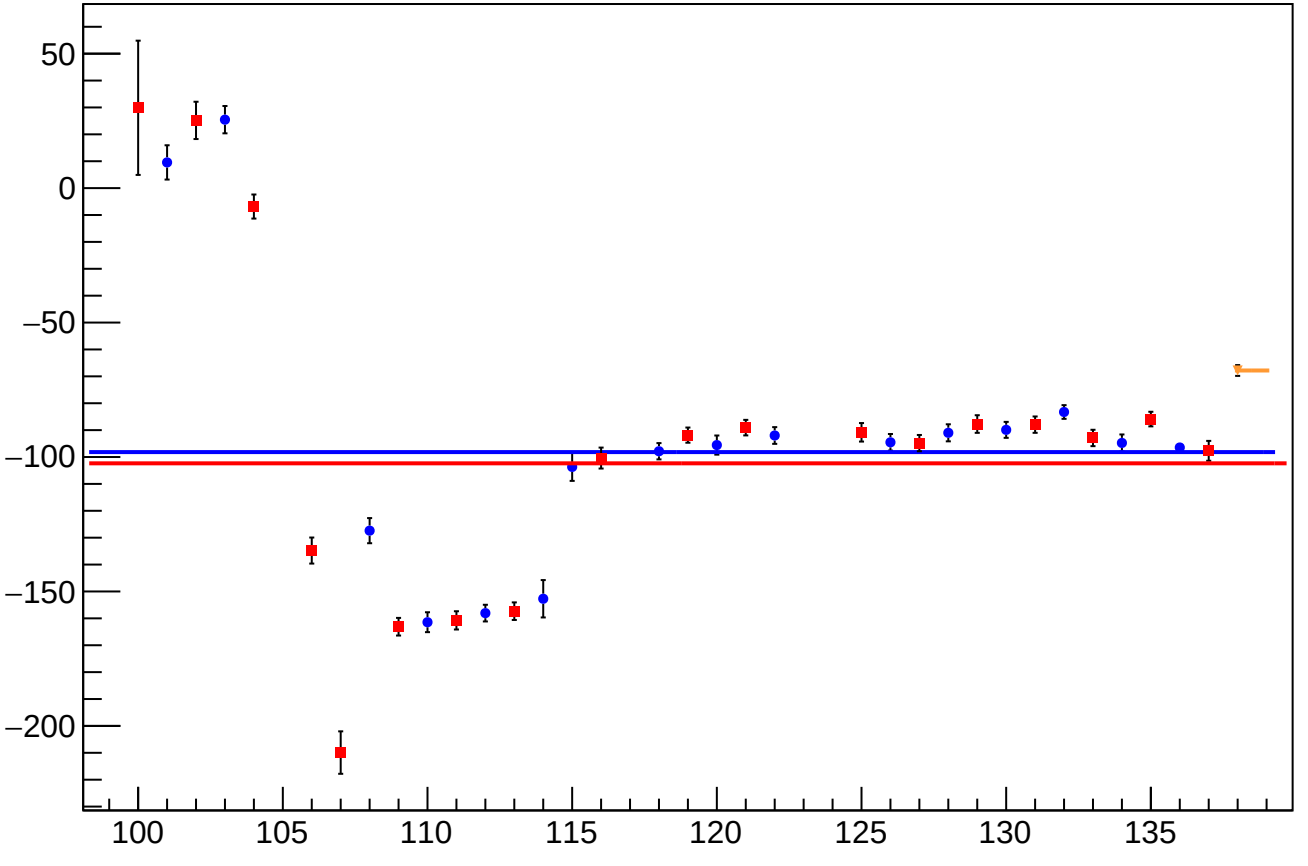
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 0.602+/-0.727 χ^2/NDF:92.9/15

Out: 1.705+/-0.706 χ^2/NDF:100.8/18

All: 1.170+/-0.507 χ^2/NDF: 194.8/34

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: -67.822+/-2.008 χ^2/NDF:0.0/0

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

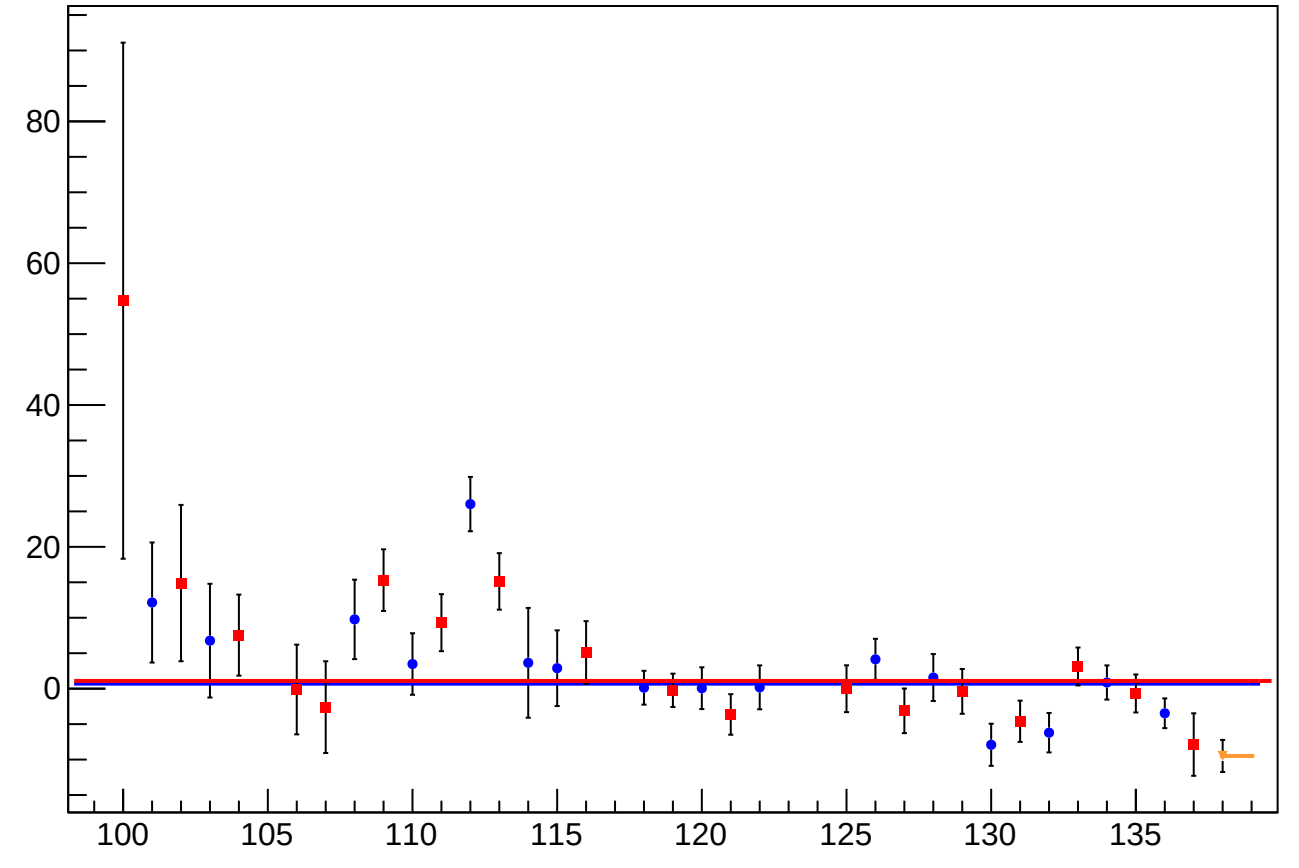
Left: -67.822+/-2.008 χ^2/NDF: 0.0/0

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -98.168+/-0.813 χ^2/NDF:1699.9/15

Out: -97.238+/-0.773 χ^2/NDF:2369.5/18

All: -97.679+/-0.560 χ^2/NDF: 4070.1/34



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -9.490+/-2.261 χ^2/NDF:0.0/0

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -9.490+/-2.261 χ^2/NDF: 0.0/0

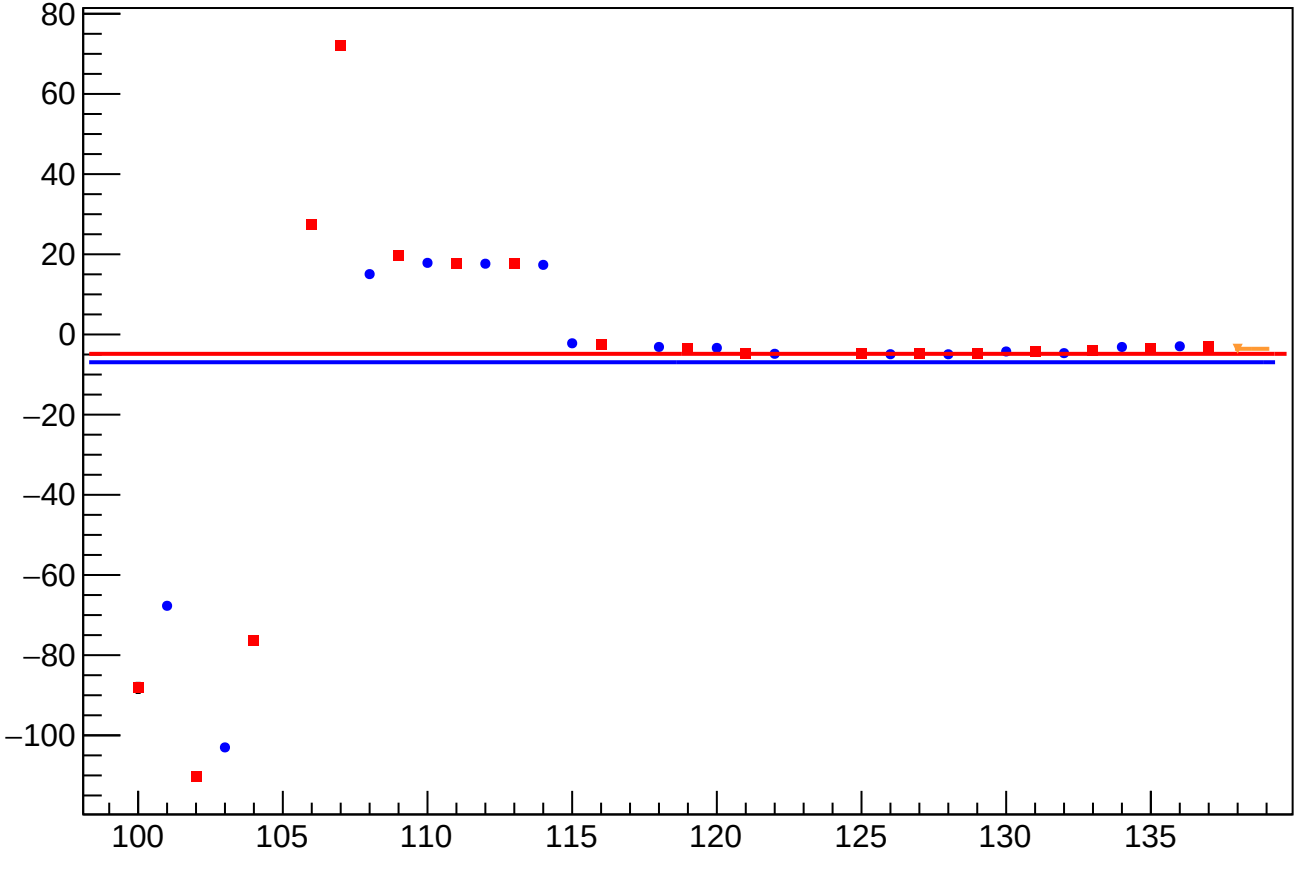
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 0.711+/-0.821 χ^2/NDF:69.6/15

Out: -0.240+/-0.801 χ^2/NDF:66.8/18

All: 0.224+/-0.573 χ^2/NDF: 137.1/34

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -3.572+/-0.079 χ^2/NDF:0.0/0

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

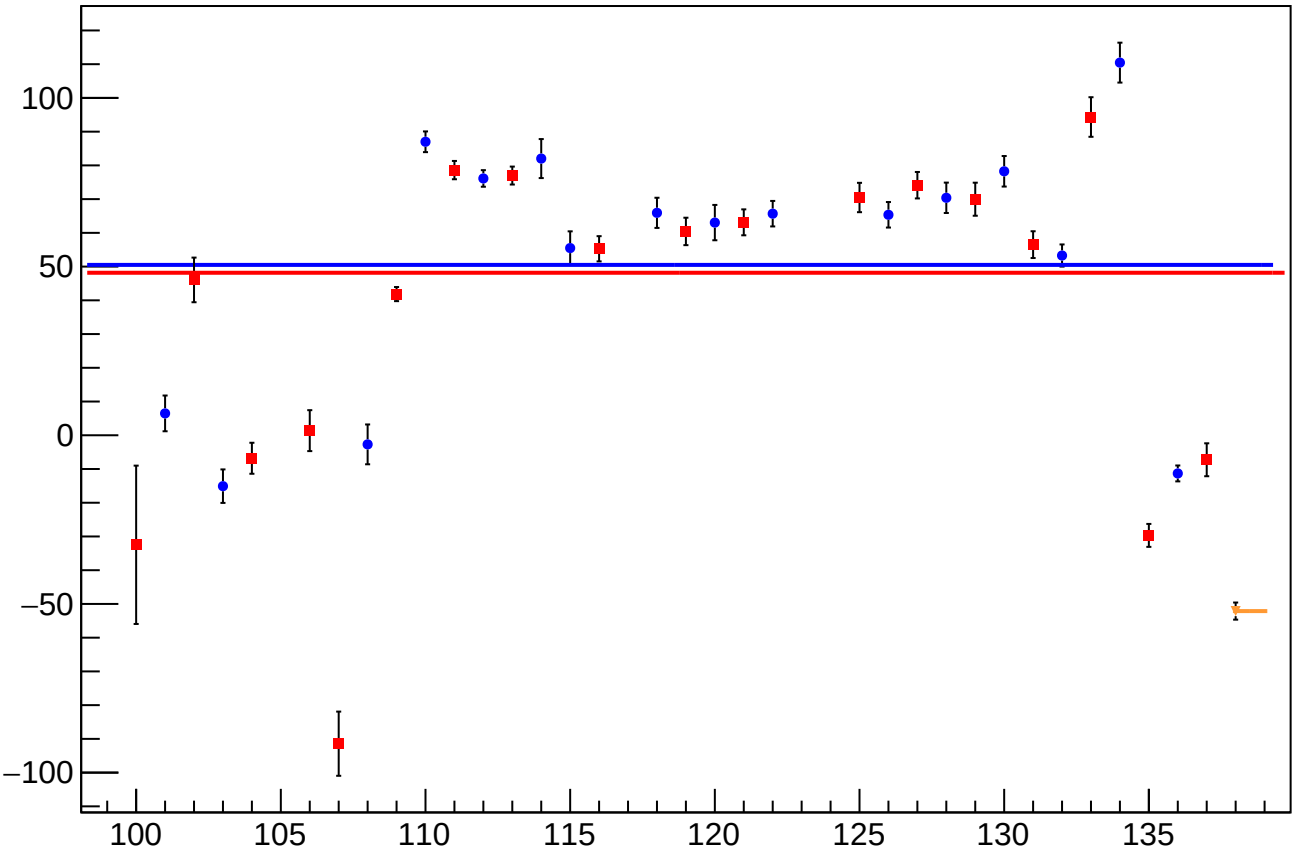
Left: -3.572+/-0.079 χ^2/NDF: 0.0/0

Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -6.927+/-0.049 χ^2/NDF:265187.0/15

Out: -4.445+/-0.044 χ^2/NDF:339538.7/18

All: -5.563+/-0.033 χ^2/NDF: 606163.5/34



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -52.120+/-2.537 χ^2/NDF:0.0/0

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -52.120+/-2.537 χ^2/NDF: 0.0/0

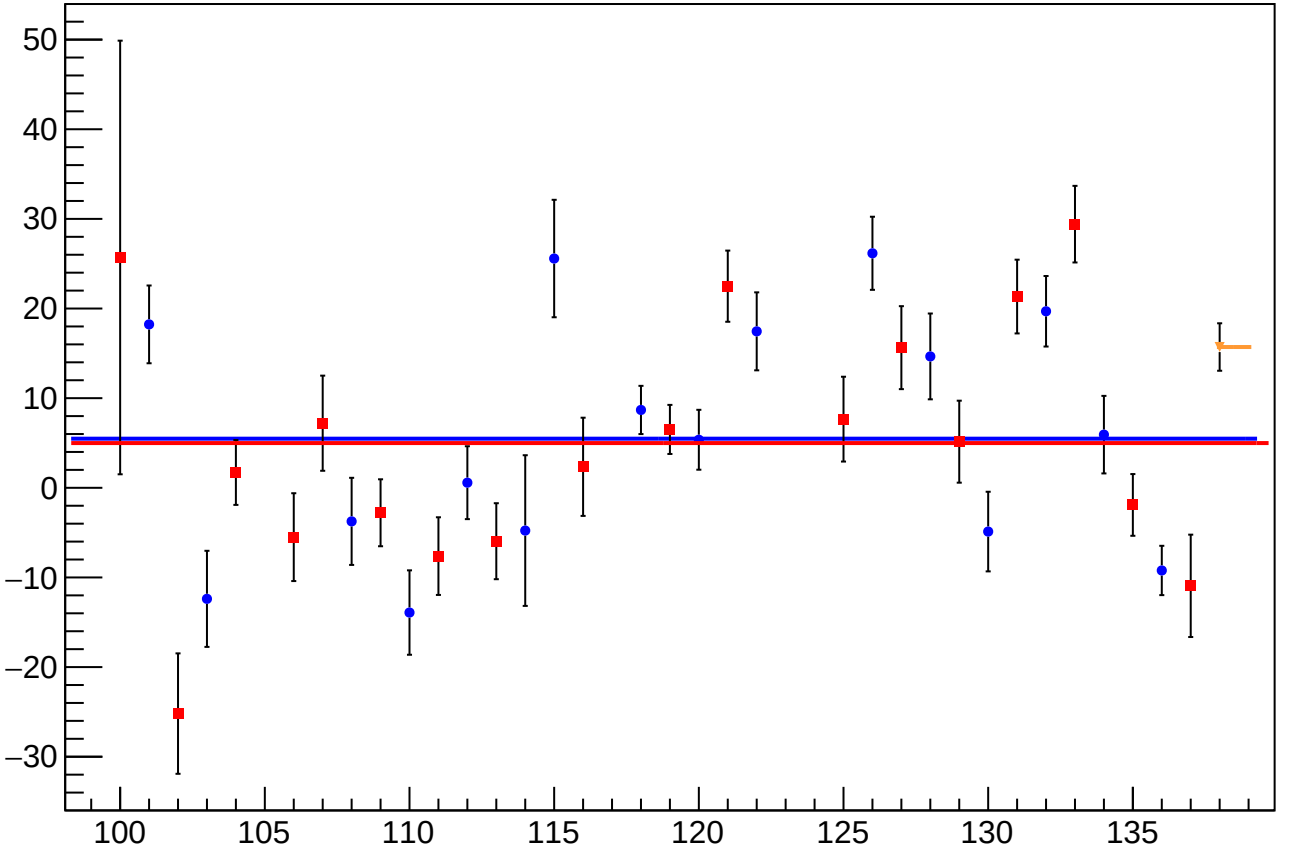
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 50.503+/-0.965 χ^2/NDF:1503.6/15

Out: 36.641+/-0.860 χ^2/NDF:2903.0/18

All: 42.776+/-0.642 χ^2/NDF: 4521.6/34

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: 15.706+/-2.648 χ^2/NDF:0.0/0

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

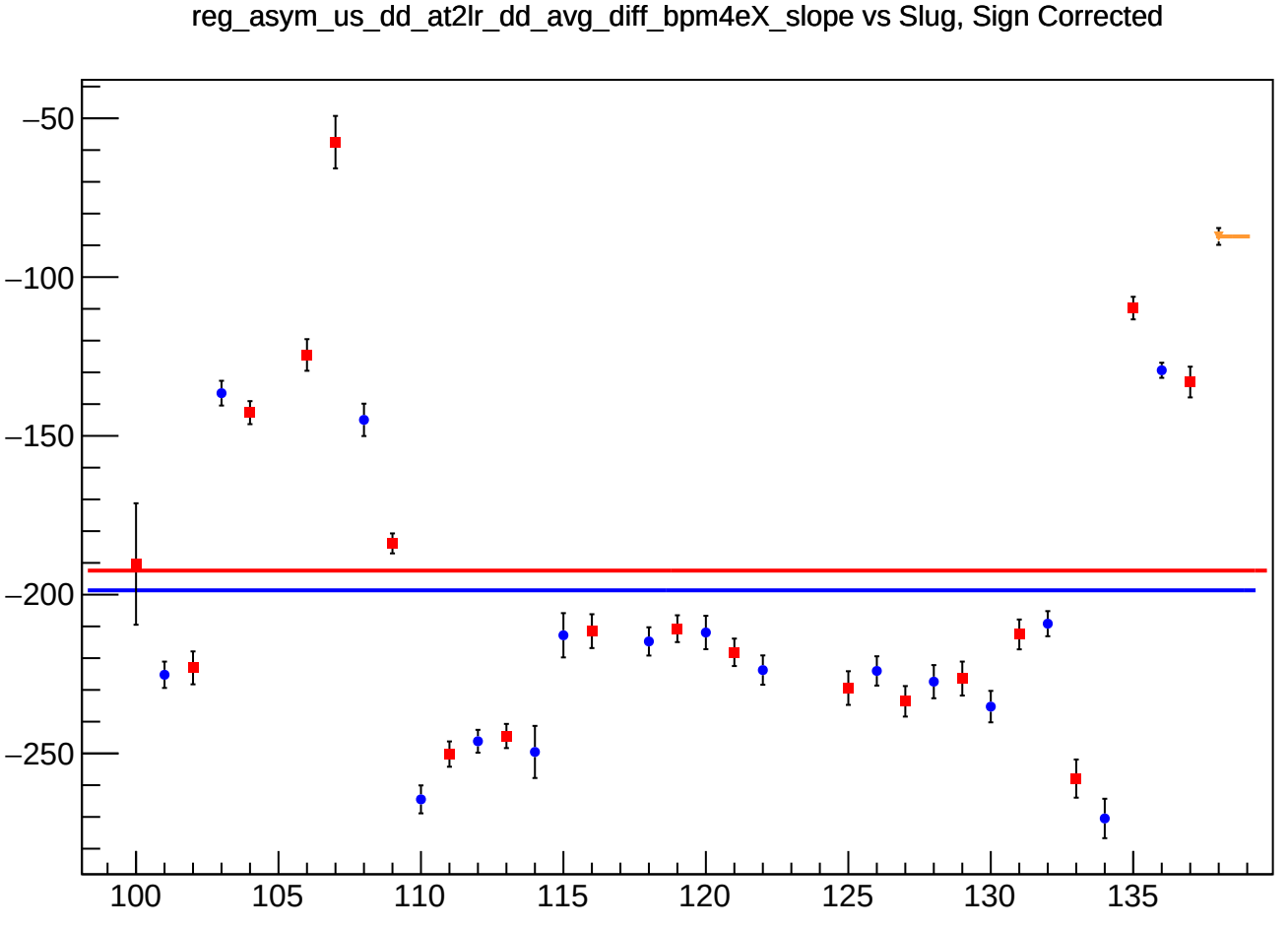
Left: 15.706+/-2.648 χ^2/NDF: 0.0/0

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

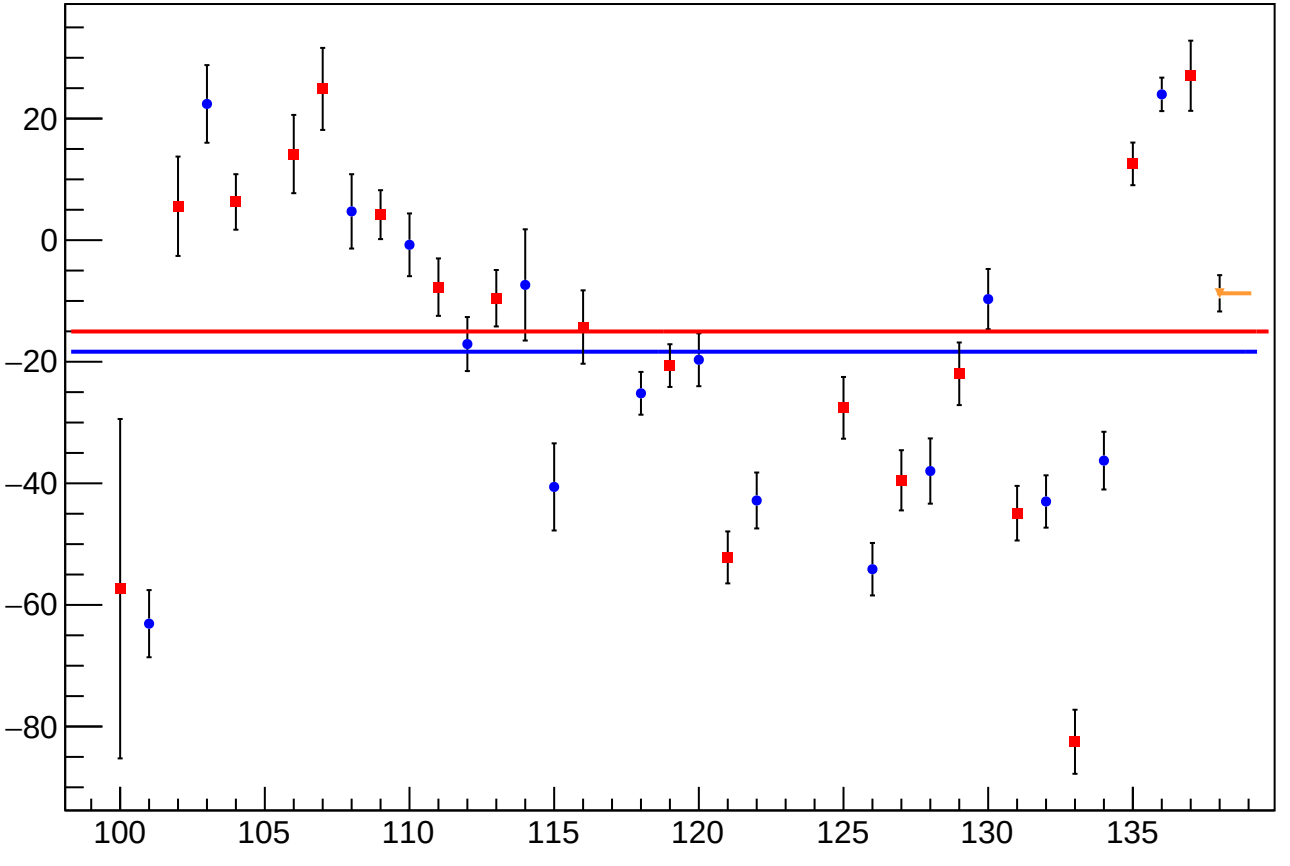
In: 5.481+/-1.021 χ^2/NDF:138.2/15

Out: 6.382+/-0.954 χ^2/NDF:146.1/18

All: 5.962+/-0.697 χ^2/NDF: 284.7/34


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
Right In: -198.641+/-1.083 χ²/NDF: 2002.3/15
Left Out: -87.200+/-2.648 χ²/NDF:0.0/0
Right Out: -192.426+/-1.080 χ²/NDF: 2139.0/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: -87.200+/-2.648 χ²/NDF: 0.0/0
Right: -195.523+/-0.765 χ²/NDF: 4157.8/33
In: -198.641+/-1.083 χ²/NDF:2002.3/15
Out: -177.428+/-1.000 χ²/NDF:3492.7/18
All: -187.185+/-0.735 χ²/NDF: 5702.0/34

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: -8.743+/-2.986 χ^2/NDF:0.0/0

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -8.743+/-2.986 χ^2/NDF: 0.0/0

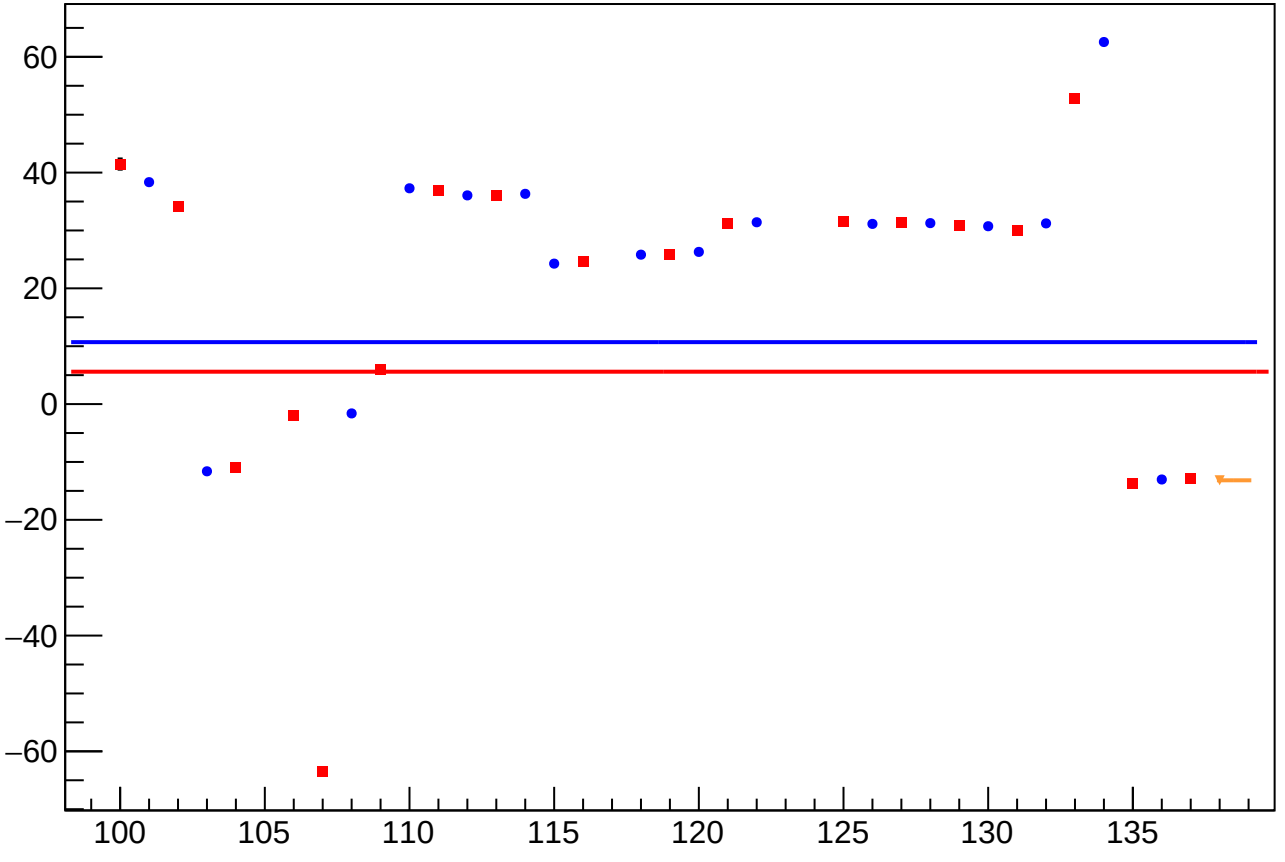
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -18.348+/-1.159 χ^2/NDF:543.9/15

Out: -14.196+/-1.083 χ^2/NDF:550.3/18

All: -16.130+/-0.791 χ^2/NDF: 1101.0/34

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: -13.171+/-0.104 χ^2/NDF:0.0/0

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

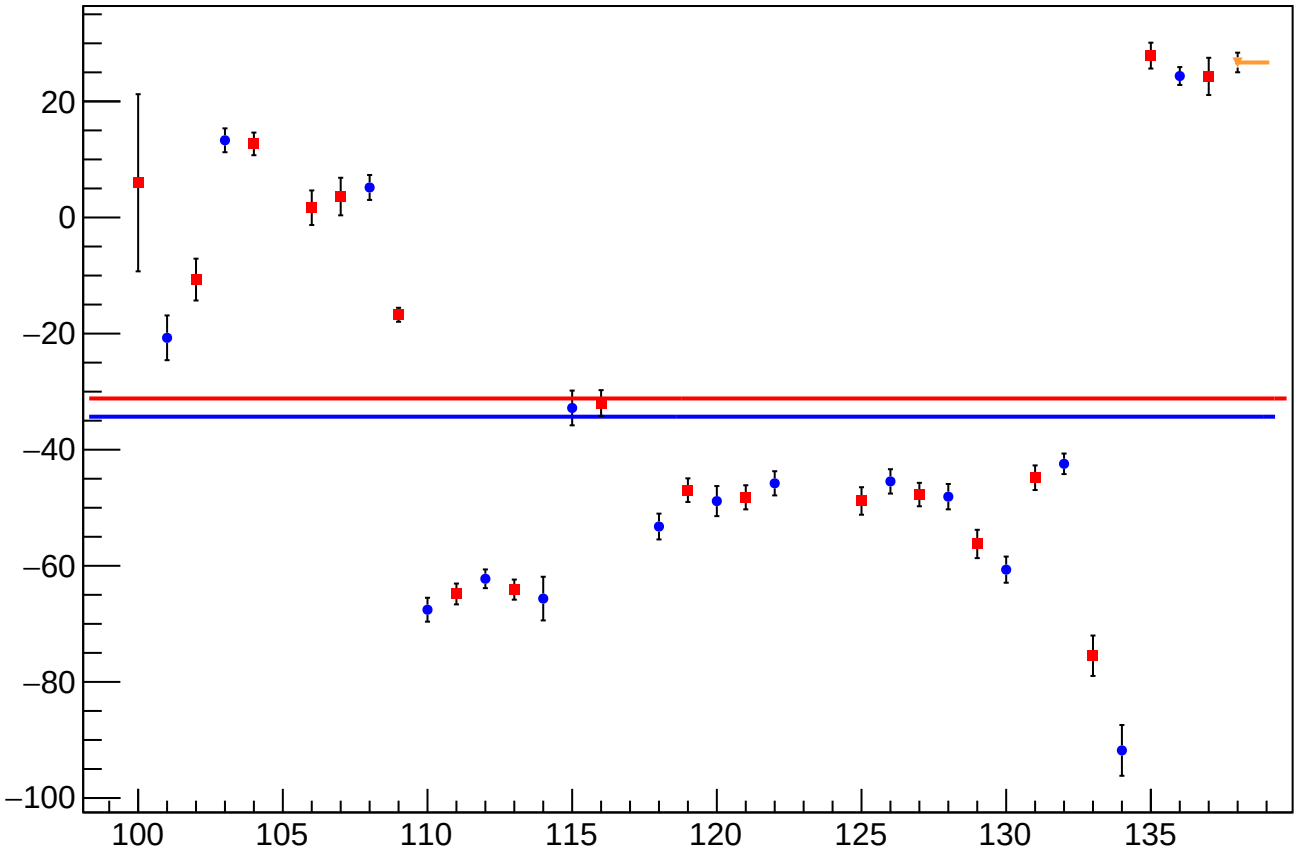
Left: -13.171+/-0.104 χ^2/NDF: 0.0/0

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: 10.704+/-0.063 χ^2/NDF:164860.8/15

Out: 0.516+/-0.054 χ^2/NDF:178519.9/18

All: 4.869+/-0.041 χ^2/NDF: 358405.5/34



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 26.701+/-1.690 χ^2/NDF:0.0/0

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 26.701+/-1.690 χ^2/NDF: 0.0/0

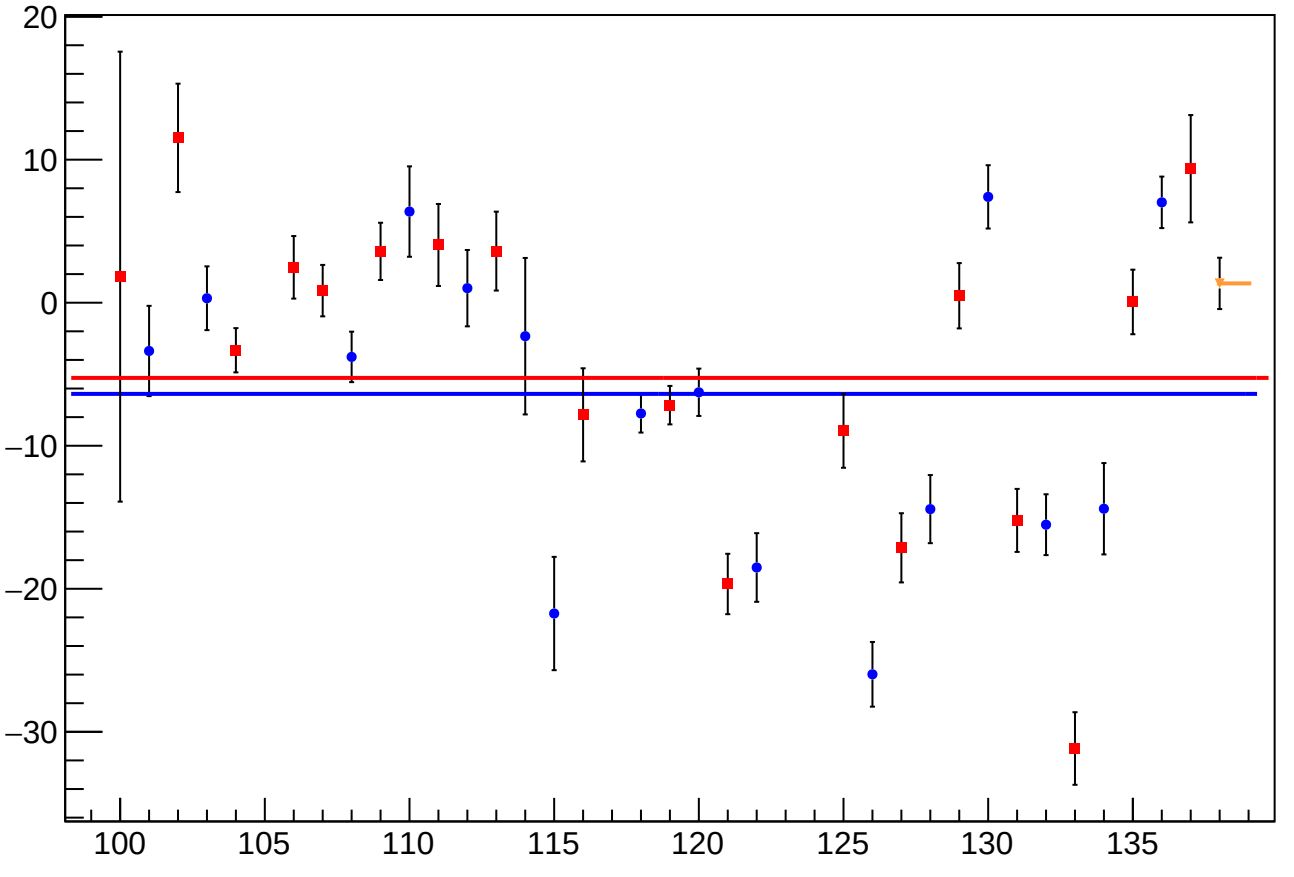
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -34.315+/-0.548 χ^2/NDF:3500.2/15

Out: -26.247+/-0.493 χ^2/NDF:4272.8/18

All: -29.860+/-0.367 χ^2/NDF: 7892.8/34

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: 1.350+/-1.795 χ^2/NDF:0.0/0

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 1.350+/-1.795 χ^2/NDF: 0.0/0

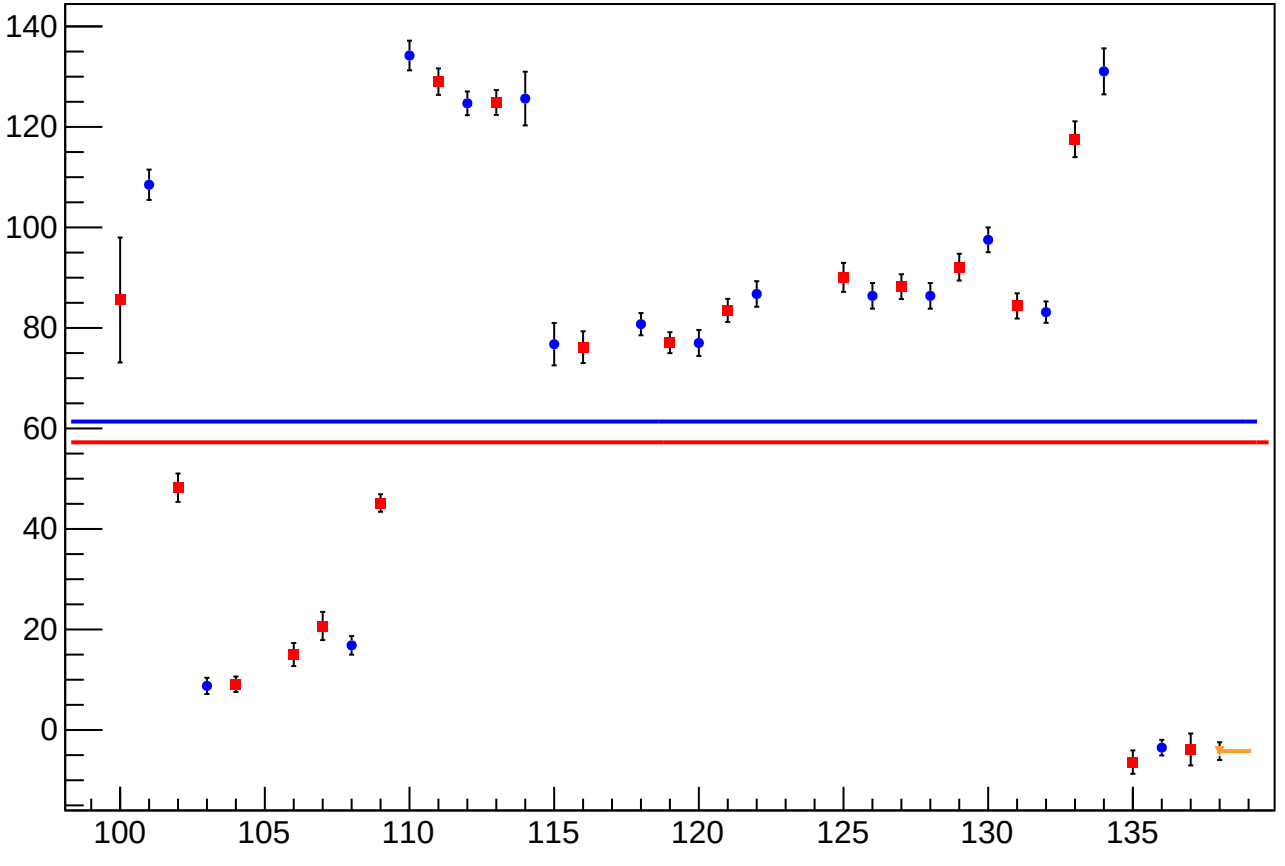
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -6.375+/-0.554 χ^2/NDF:283.6/15

Out: -4.722+/-0.511 χ^2/NDF:325.4/18

All: -5.482+/-0.375 χ^2/NDF: 613.8/34

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -4.207+/-1.765 χ^2/NDF:0.0/0

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

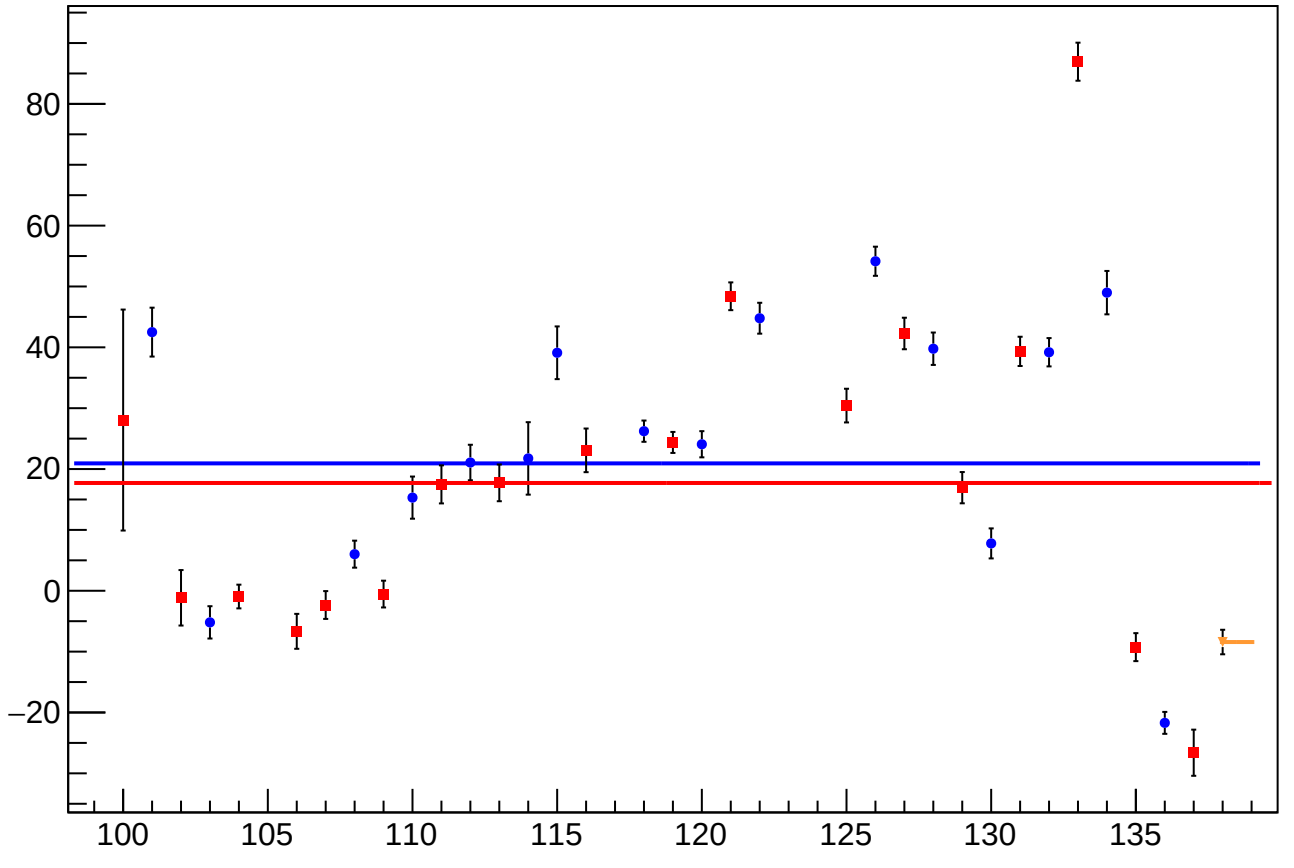
Left: -4.207+/-1.765 χ^2/NDF: 0.0/0

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 61.377+/-0.594 χ^2/NDF:6066.8/15

Out: 51.249+/-0.551 χ^2/NDF:6361.1/18

All: 55.932+/-0.404 χ^2/NDF: 12584.0/34



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -8.424+/-2.015 χ^2/NDF:0.0/0

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

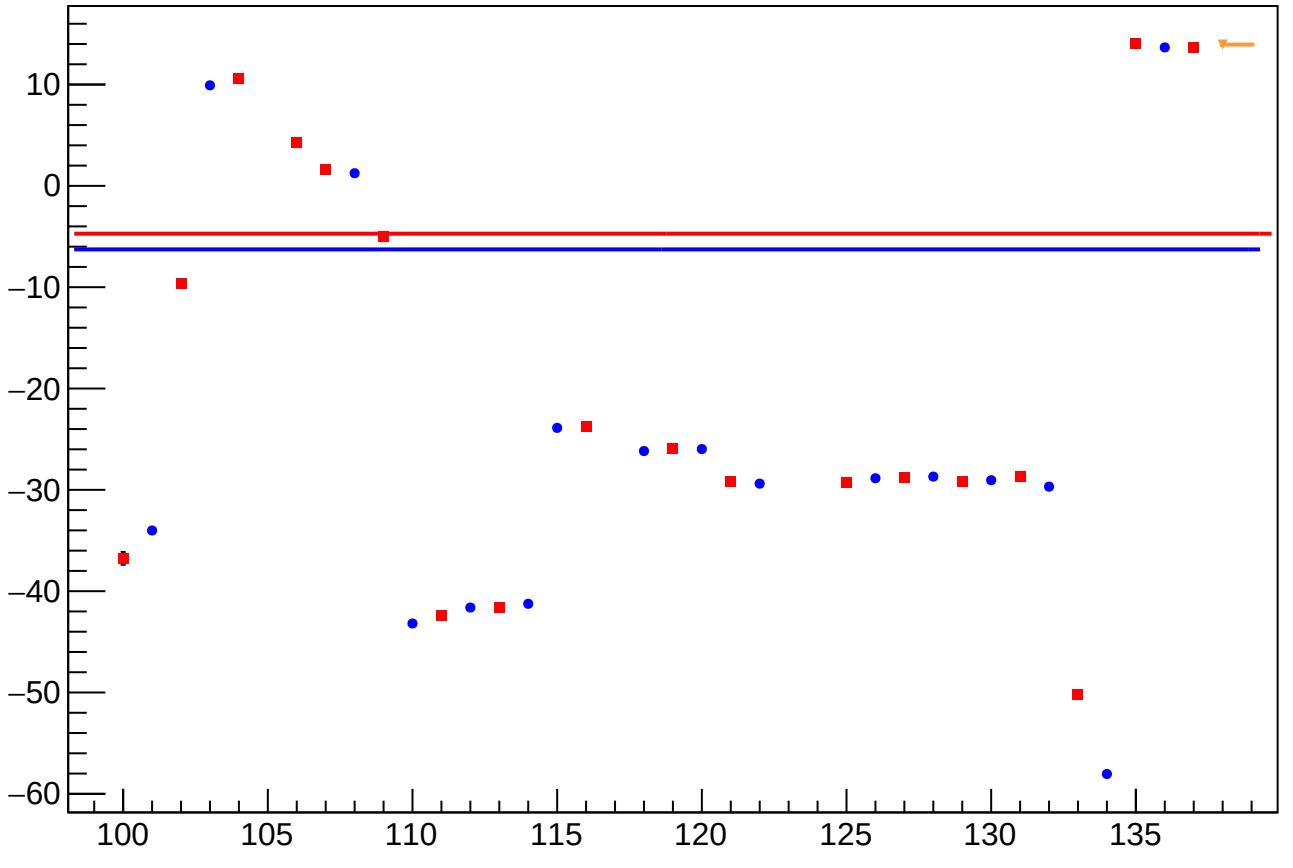
Left: -8.424+/-2.015 χ^2/NDF: 0.0/0

Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 20.931+/-0.640 χ^2/NDF:1245.4/15

Out: 15.463+/-0.591 χ^2/NDF:1635.7/18

All: 17.979+/-0.434 χ^2/NDF: 2920.5/34



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 13.944+/-0.069 χ^2/NDF:0.0/0

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

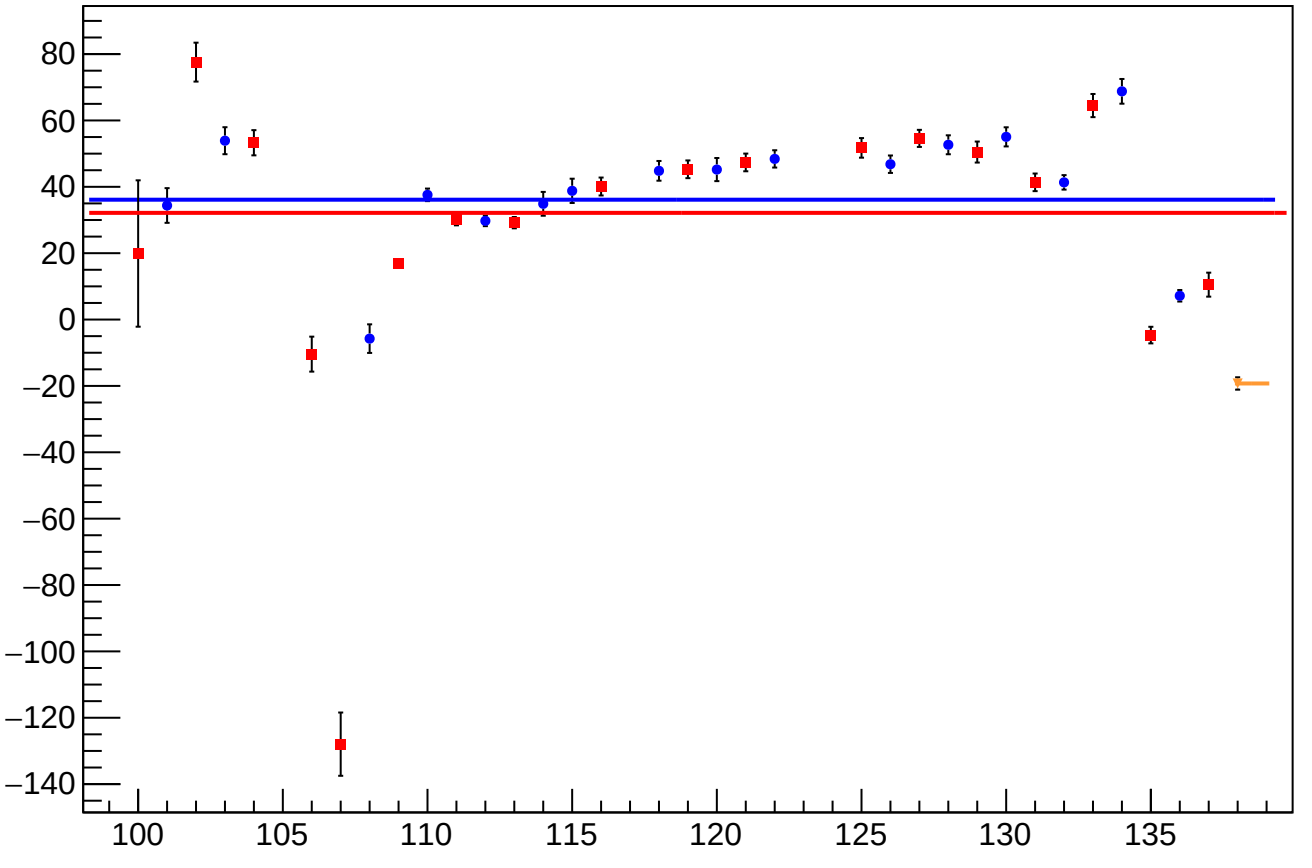
Left: 13.944+/-0.069 χ^2/NDF: 0.0/0

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: -6.271+/-0.033 χ^2/NDF:410461.0/15

Out: -1.153+/-0.030 χ^2/NDF:365329.5/18

All: -3.462+/-0.022 χ^2/NDF: 788667.0/34



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -19.264+/-1.867 χ^2/NDF:0.0/0

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -19.264+/-1.867 χ^2/NDF: 0.0/0

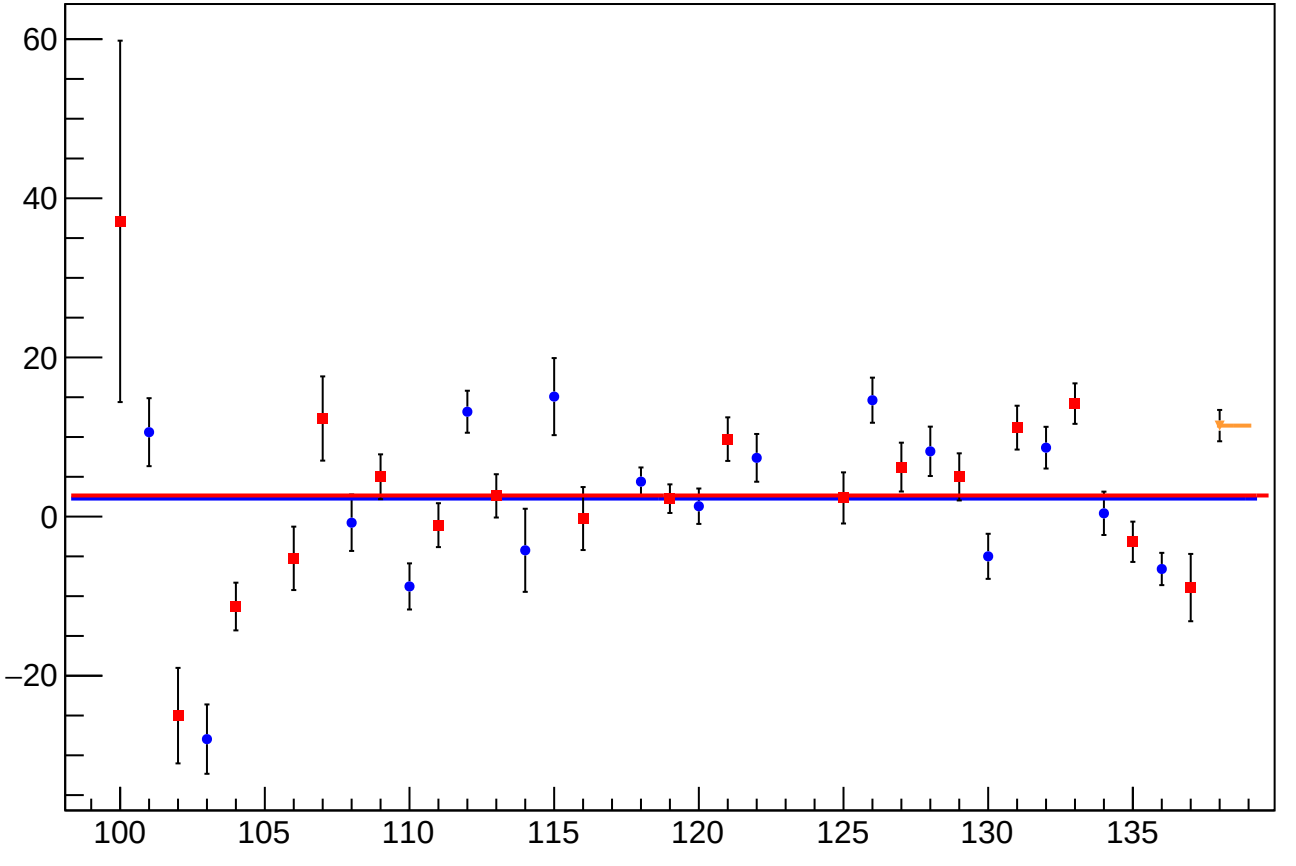
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 36.118+/-0.656 χ^2/NDF:622.8/15

Out: 26.887+/-0.597 χ^2/NDF:1795.0/18

All: 31.070+/-0.442 χ^2/NDF: 2525.9/34

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: 11.433+/-1.969 χ^2/NDF:0.0/0

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

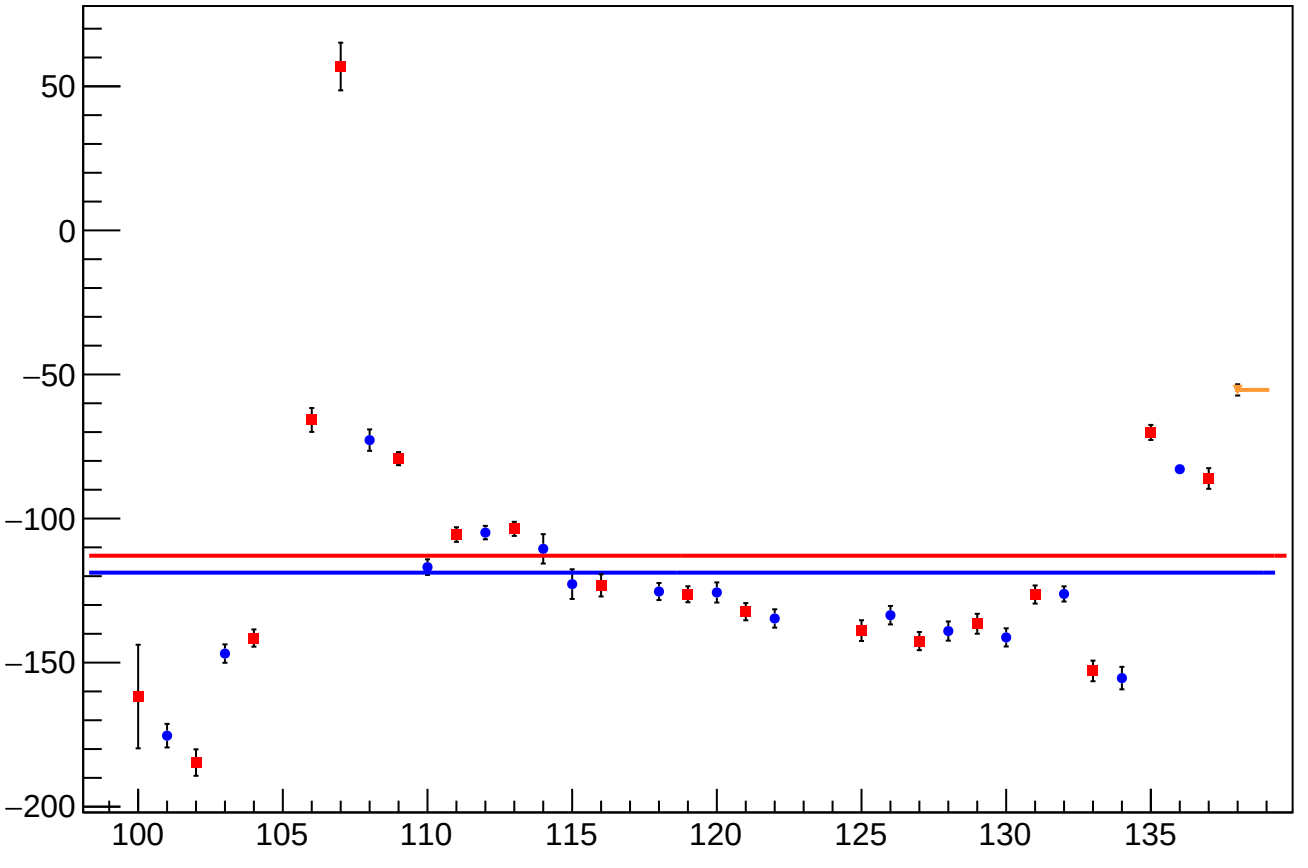
Left: 11.433+/-1.969 χ^2/NDF: 0.0/0

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 2.265+/-0.701 χ^2/NDF:152.0/15

Out: 3.675+/-0.672 χ^2/NDF:124.8/18

All: 3.000+/-0.485 χ^2/NDF: 278.9/34



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -55.354+/-1.950 χ^2/NDF:0.0/0

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -55.354+/-1.950 χ^2/NDF: 0.0/0

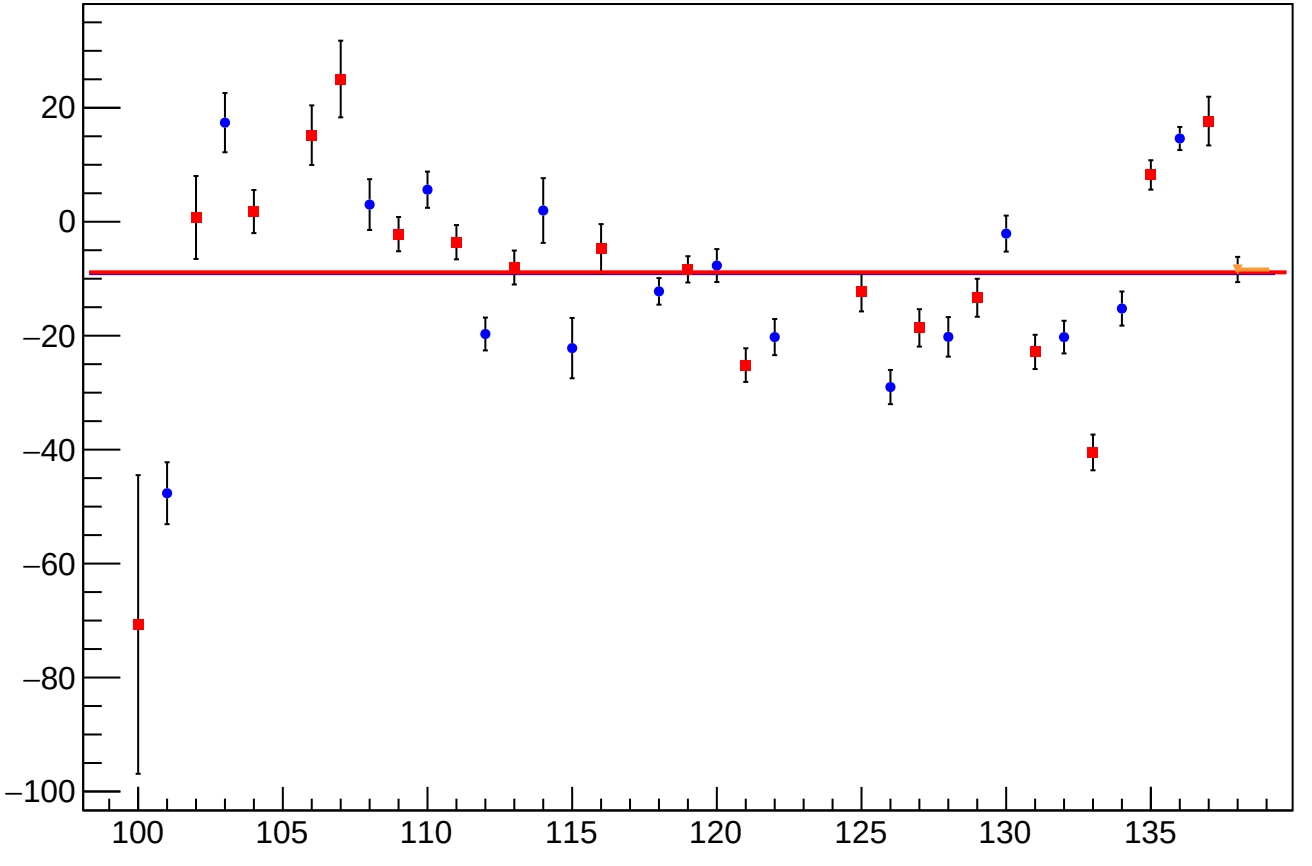
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -118.778+/-0.757 χ^2/NDF:1119.5/15

Out: -105.293+/-0.709 χ^2/NDF:2618.7/18

All: -111.595+/-0.517 χ^2/NDF: 3907.4/34

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: -8.382+/-2.214 χ^2/NDF:0.0/0

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

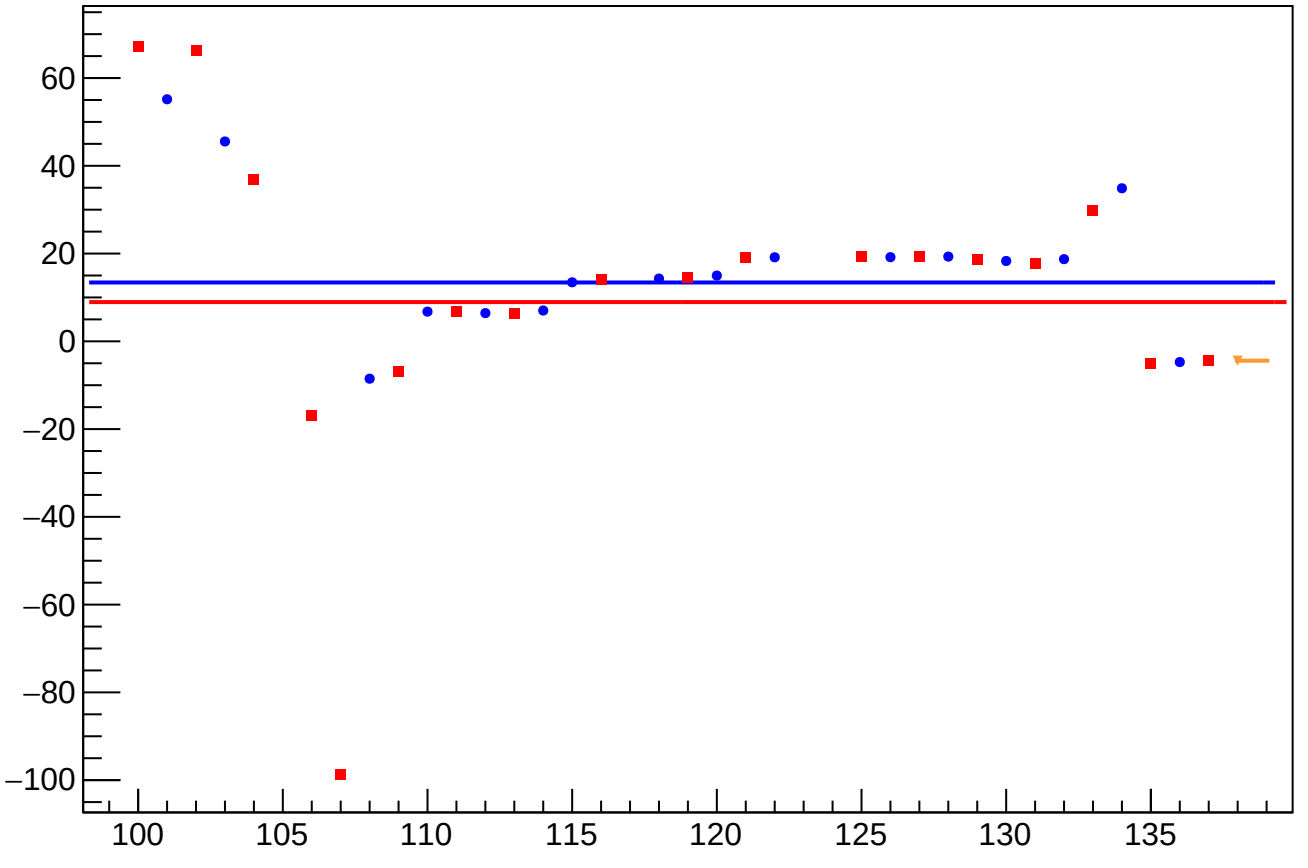
Left: -8.382+/-2.214 χ^2/NDF: 0.0/0

Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: -9.022+/-0.796 χ^2/NDF:358.0/15

Out: -8.819+/-0.761 χ^2/NDF:318.8/18

All: -8.916+/-0.550 χ^2/NDF: 676.8/34



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -4.409+/-0.077 χ^2/NDF:0.0/0

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

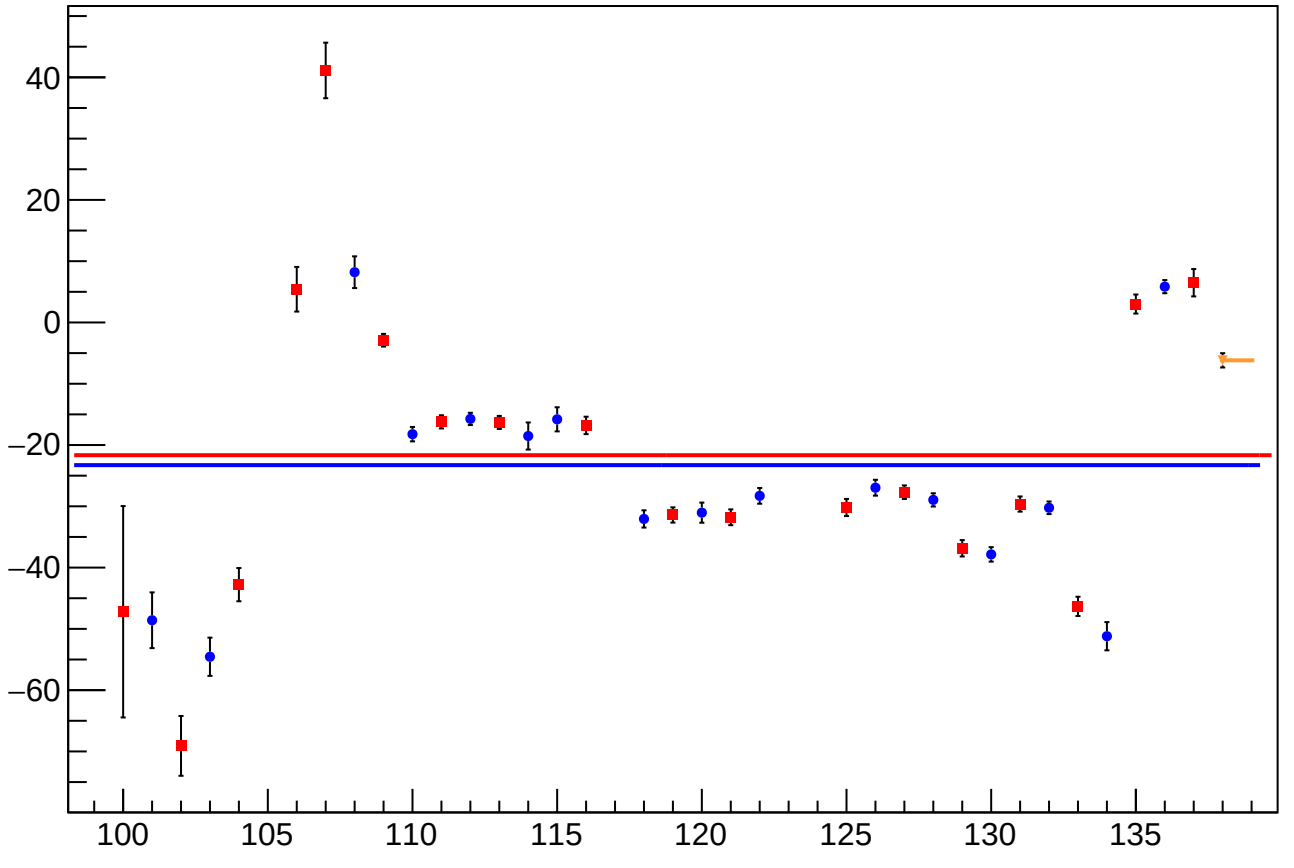
Left: -4.409+/-0.077 χ^2/NDF: 0.0/0

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: 13.412+/-0.045 χ^2/NDF:183707.4/15

Out: 5.252+/-0.040 χ^2/NDF:313058.9/18

All: 8.861+/-0.030 χ^2/NDF: 514877.2/34



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -6.179+/-1.167 χ^2/NDF:0.0/0

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

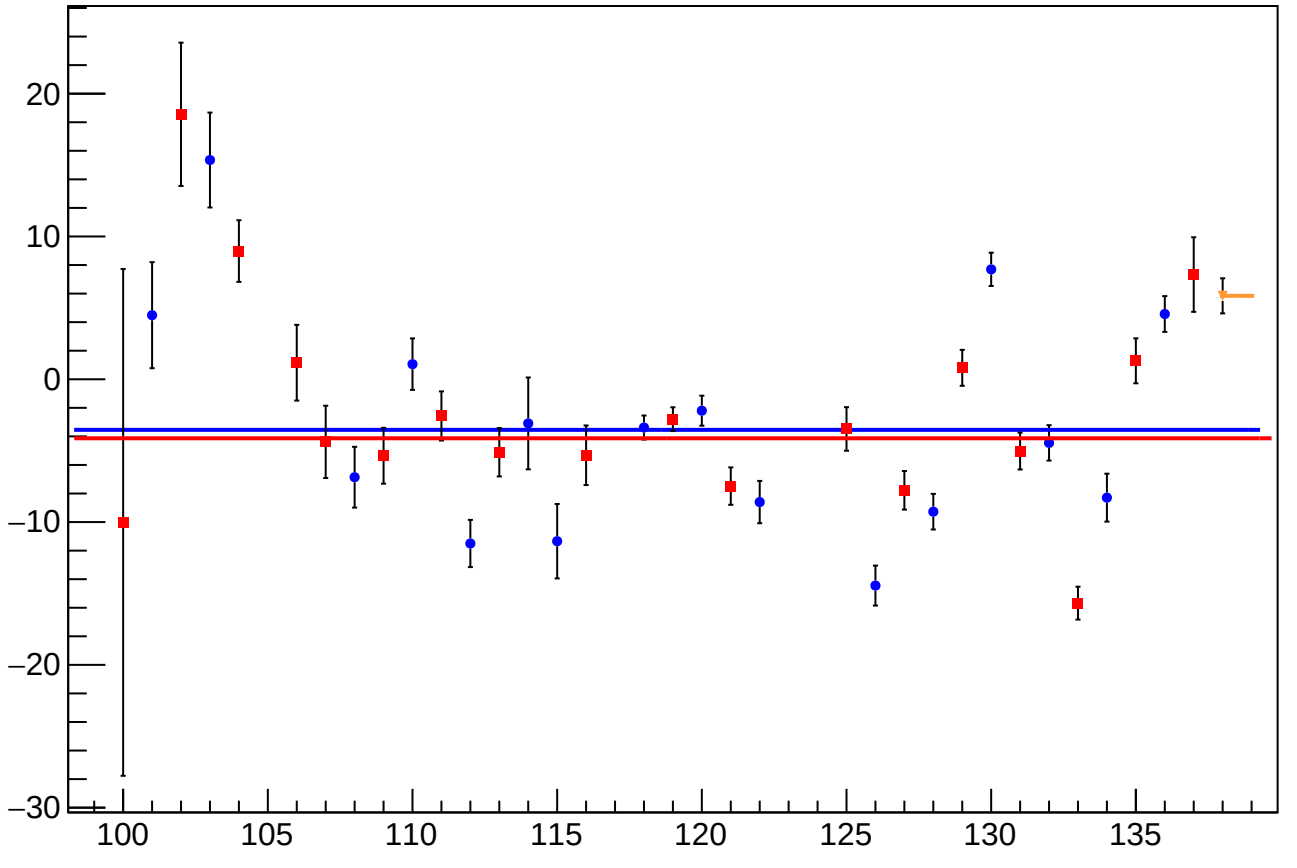
Left: -6.179+/-1.167 χ^2/NDF: 0.0/0

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -23.281+/-0.350 χ^2/NDF:1567.9/15

Out: -20.400+/-0.333 χ^2/NDF:1975.3/18

All: -21.767+/-0.241 χ^2/NDF: 3578.7/34



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 5.843+/-1.229 χ^2/NDF:0.0/0

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 5.843+/-1.229 χ^2/NDF: 0.0/0

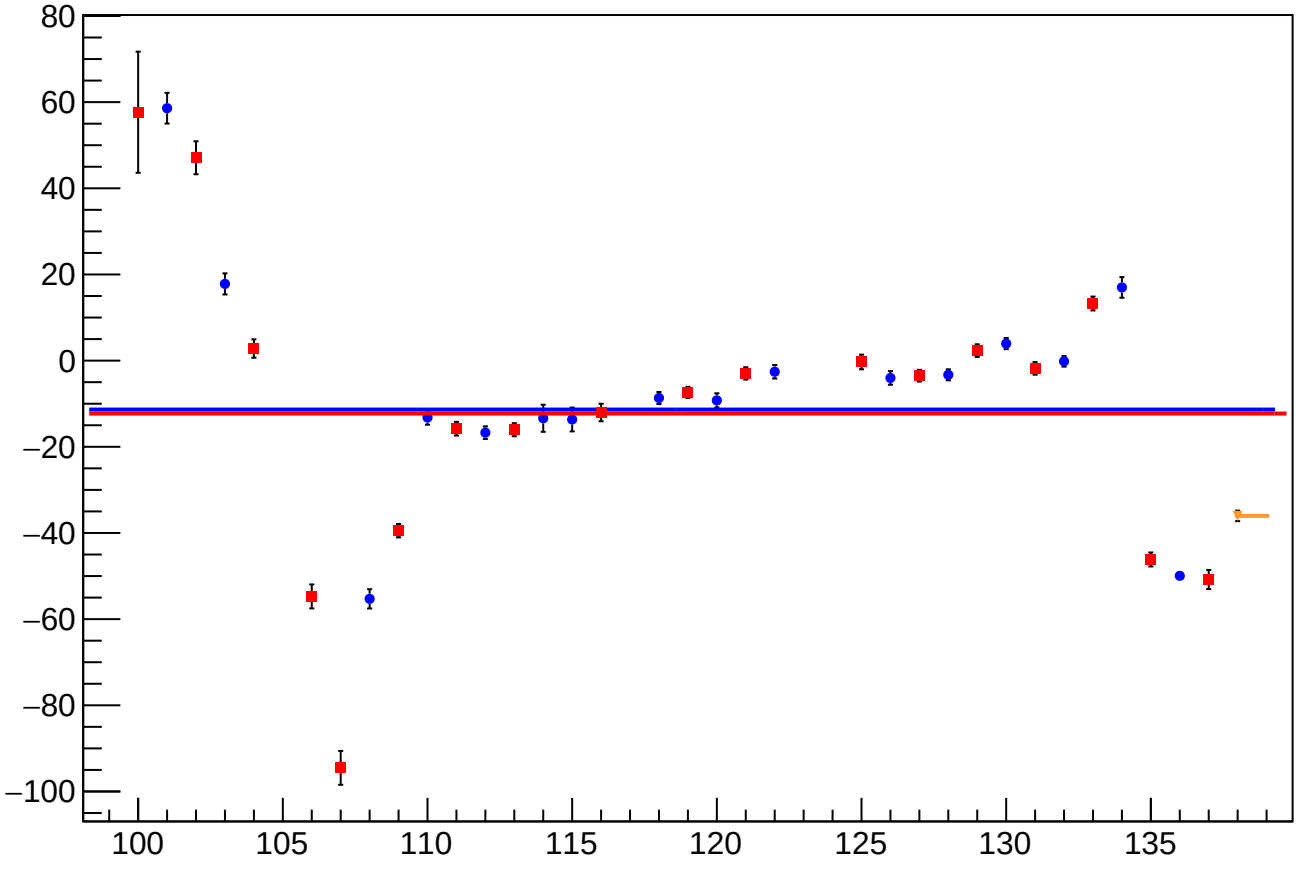
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -3.541+/-0.363 χ^2/NDF:316.8/15

Out: -3.300+/-0.355 χ^2/NDF:287.8/18

All: -3.418+/-0.254 χ^2/NDF: 604.8/34

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -36.032+/-1.218 χ^2/NDF:0.0/0

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

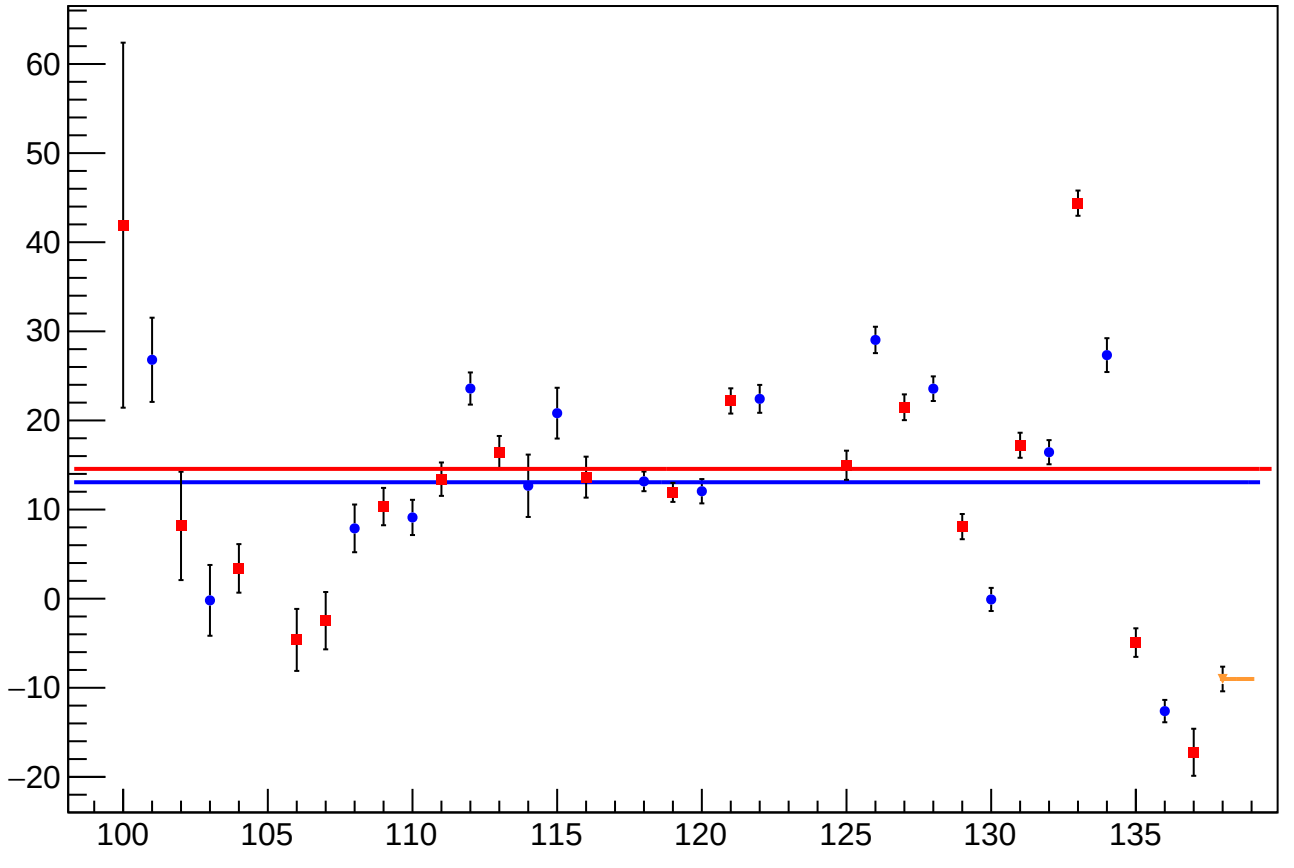
Left: -36.032+/-1.218 χ^2/NDF: 0.0/0

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -11.355+/-0.406 χ^2/NDF:2661.6/15

Out: -14.730+/-0.391 χ^2/NDF:2931.2/18

All: -13.103+/-0.282 χ^2/NDF: 5628.7/34



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -9.014+/-1.382 χ^2/NDF:0.0/0

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

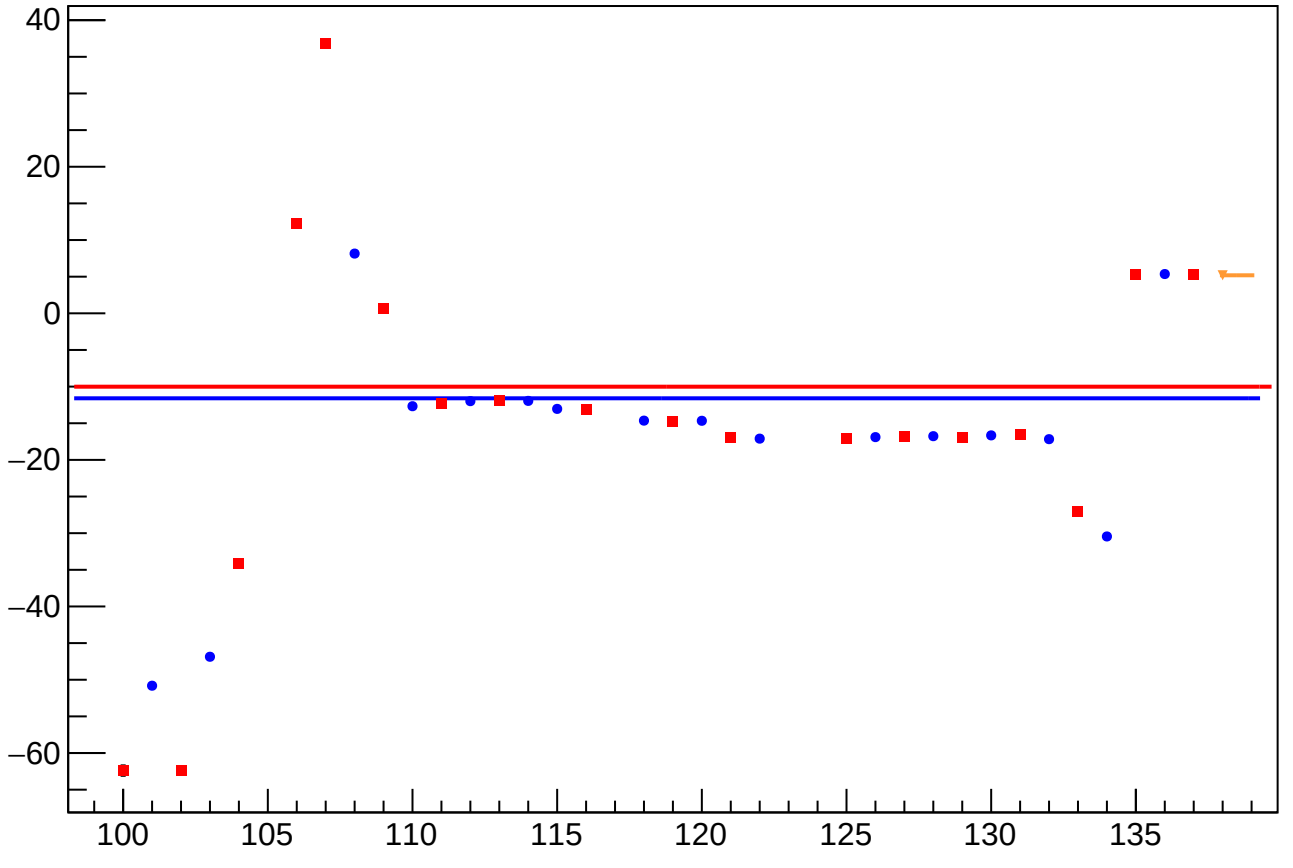
Left: -9.014+/-1.382 χ^2/NDF: 0.0/0

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 13.066+/-0.415 χ^2/NDF:863.4/15

Out: 12.549+/-0.404 χ^2/NDF:1169.1/18

All: 12.801+/-0.289 χ^2/NDF: 2033.3/34



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 5.189+/-0.048 χ^2/NDF:0.0/0

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

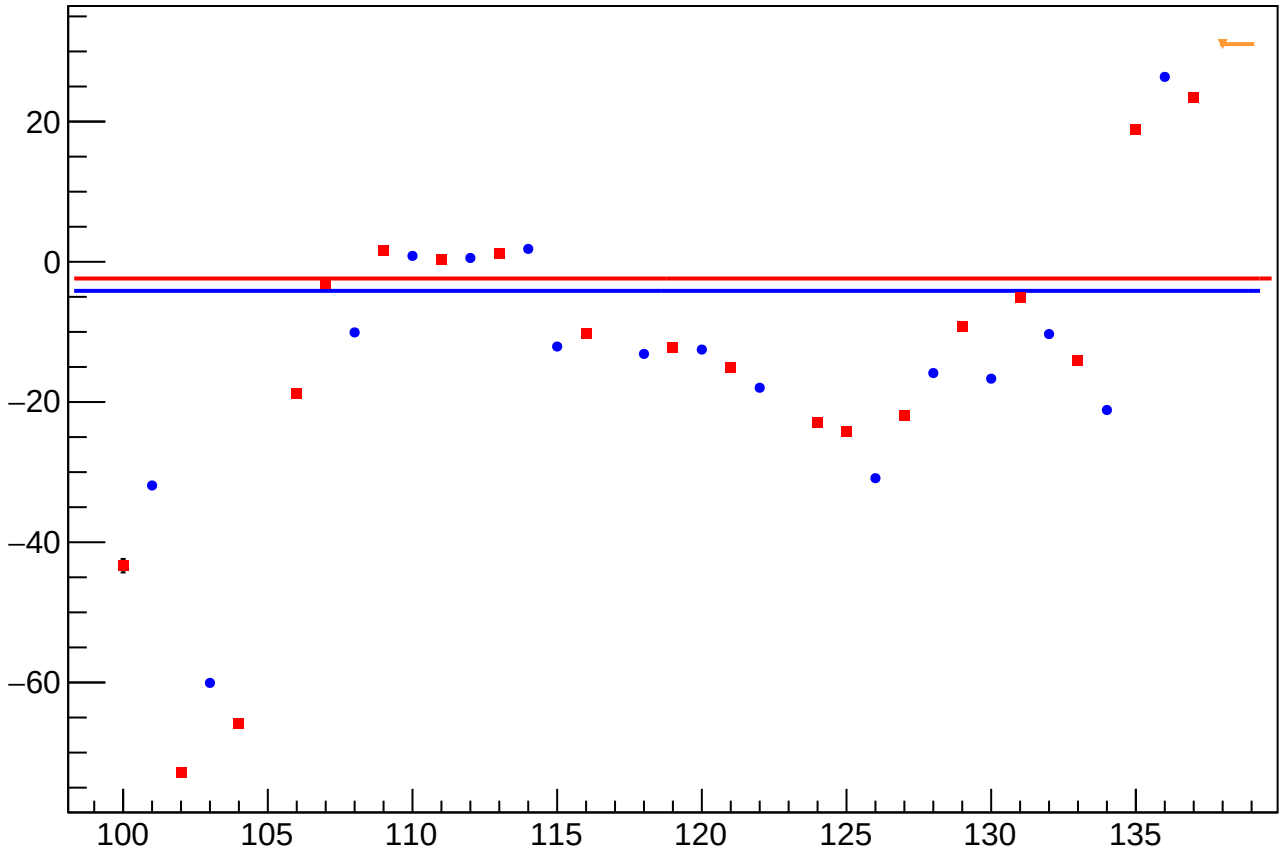
Left: 5.189+/-0.048 χ^2/NDF: 0.0/0

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: -11.596+/-0.026 χ^2/NDF:360523.2/15

Out: -6.260+/-0.024 χ^2/NDF:472008.9/18

All: -8.663+/-0.018 χ^2/NDF: 855140.0/34



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 31.051+/-0.202 χ^2/NDF:0.0/0

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 31.051+/-0.202 χ^2/NDF: 0.0/0

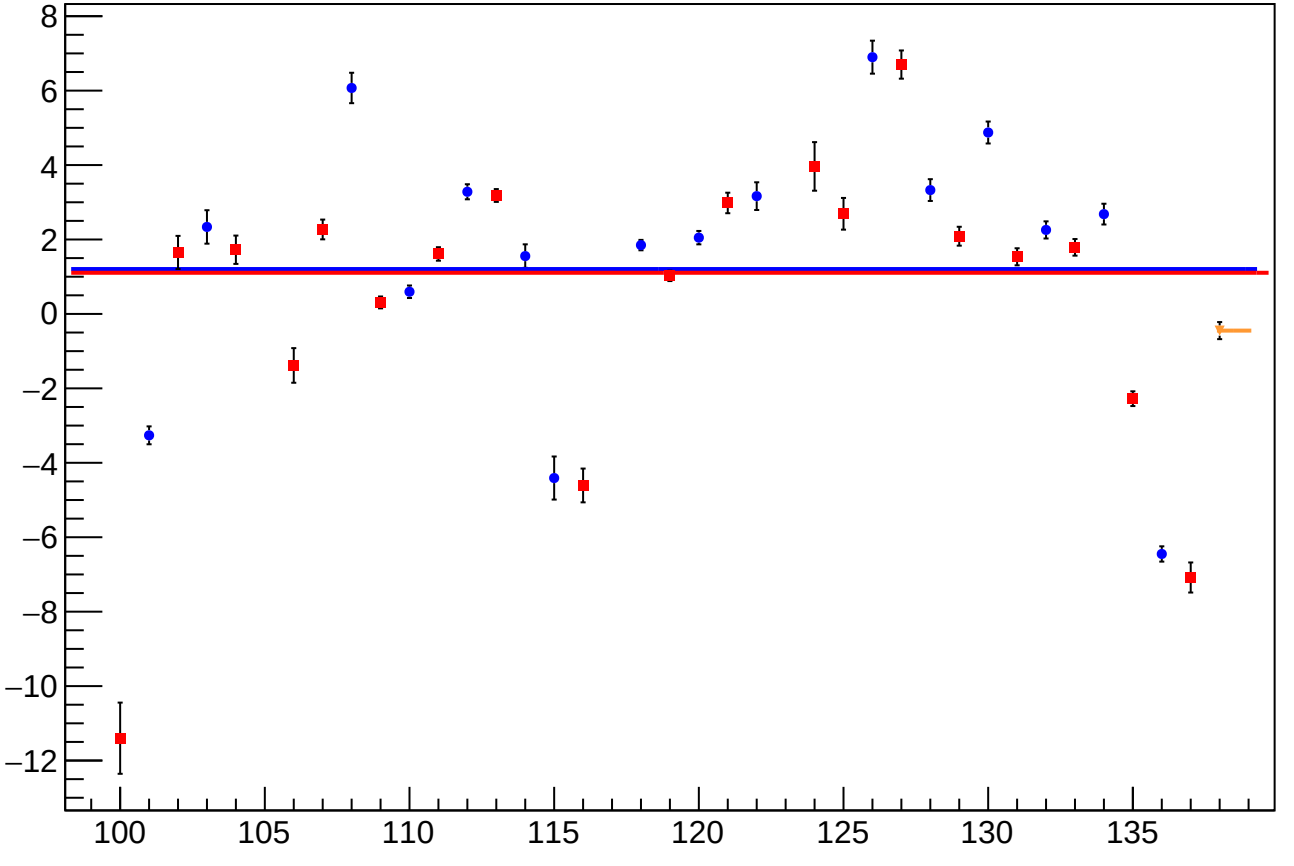
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: -4.145+/-0.055 χ^2/NDF:75262.7/15

Out: -0.724+/-0.045 χ^2/NDF:106781.4/19

All: -2.105+/-0.035 χ^2/NDF: 184378.0/35

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: -0.448+/-0.229 χ^2/NDF:0.0/0

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.448+/-0.229 χ^2/NDF: 0.0/0

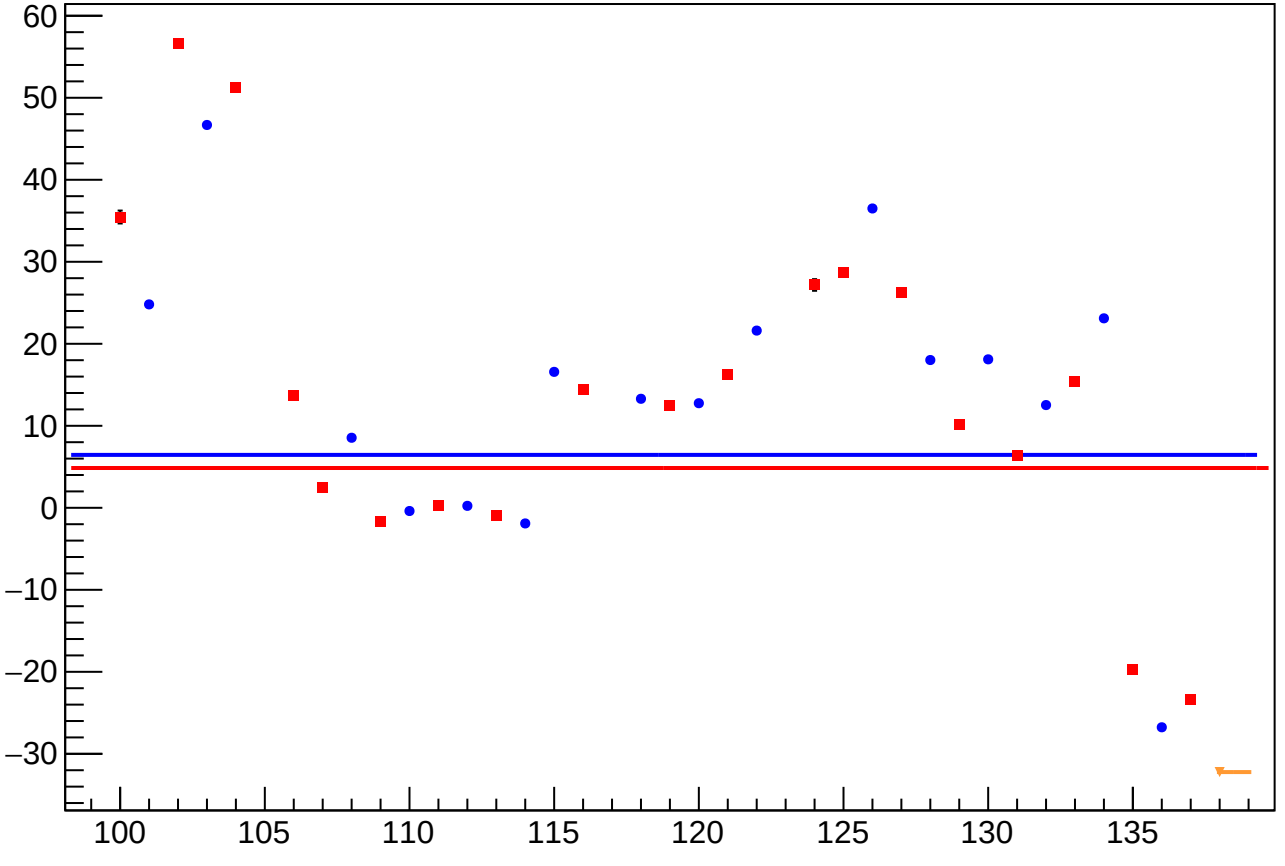
Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 1.206+/-0.060 χ^2/NDF:2584.4/15

Out: 1.015+/-0.056 χ^2/NDF:1630.4/19

All: 1.102+/-0.041 χ^2/NDF: 4220.3/35

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: -32.224+/-0.211 χ^2/NDF:0.0/0

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

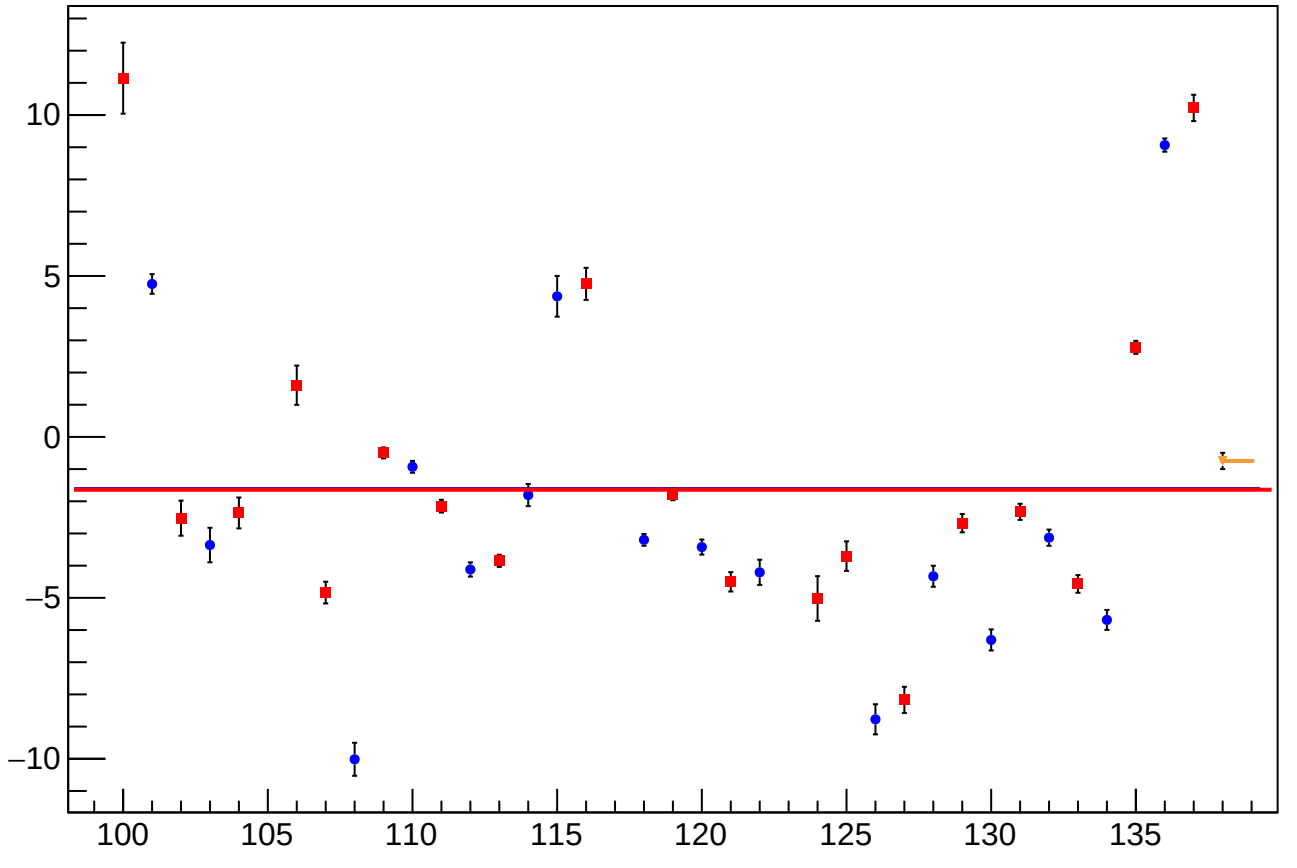
Left: -32.224+/-0.211 χ^2/NDF: 0.0/0

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: 6.453+/-0.065 χ^2/NDF:70671.1/15

Out: 2.156+/-0.057 χ^2/NDF:103847.1/19

All: 4.016+/-0.043 χ^2/NDF: 176980.3/35



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -0.747+/-0.253 χ^2/NDF:0.0/0

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.747+/-0.253 χ^2/NDF: 0.0/0

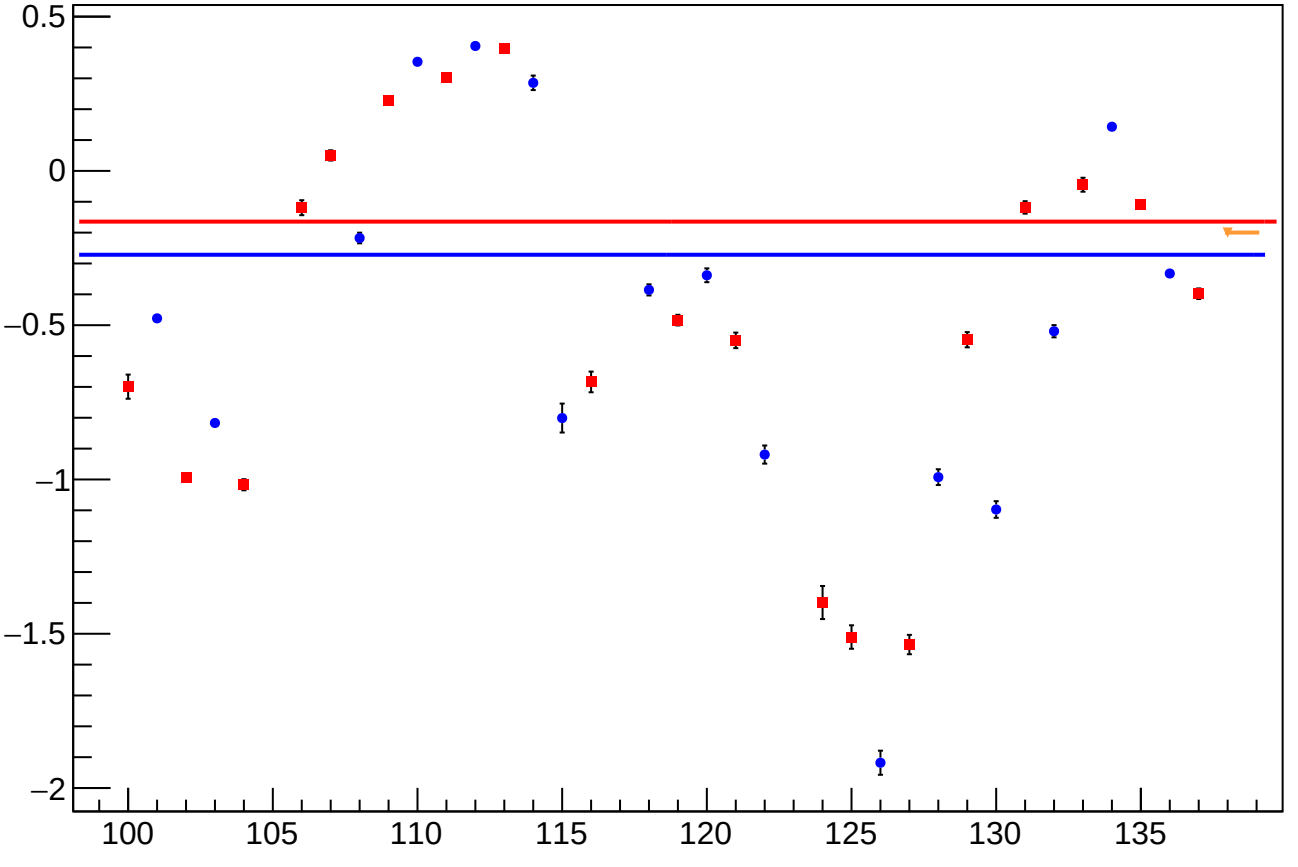
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.622+/-0.070 χ^2/NDF:4525.3/15

Out: -1.586+/-0.063 χ^2/NDF:2473.9/19

All: -1.602+/-0.047 χ^2/NDF: 6999.3/35

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.200+/-0.008 χ^2/NDF:0.0/0

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

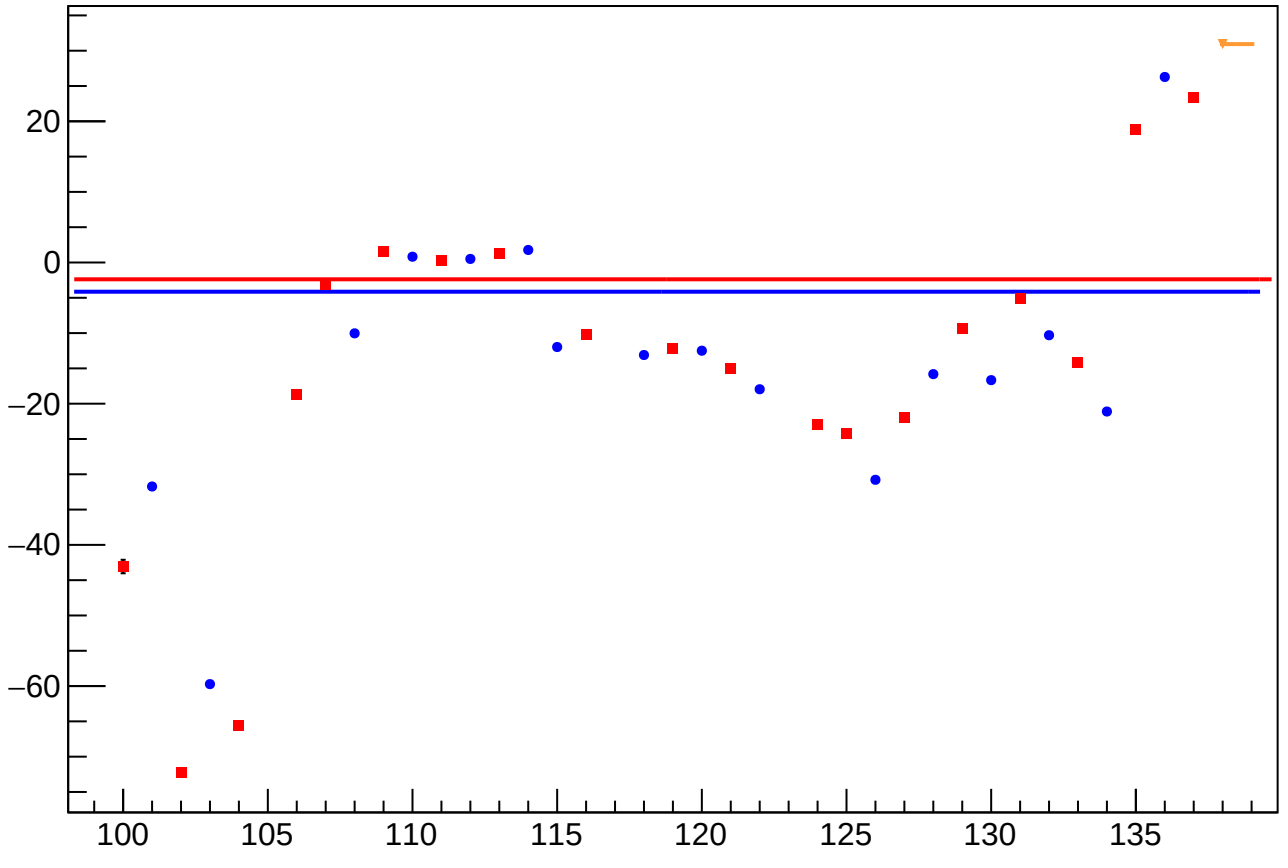
Left: -0.200+/-0.008 χ^2/NDF: 0.0/0

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.272+/-0.004 χ^2/NDF:12048.2/15

Out: -0.171+/-0.003 χ^2/NDF:15512.4/19

All: -0.212+/-0.003 χ^2/NDF: 27911.7/35



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 30.937+/-0.201 χ^2/NDF:0.0/0

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

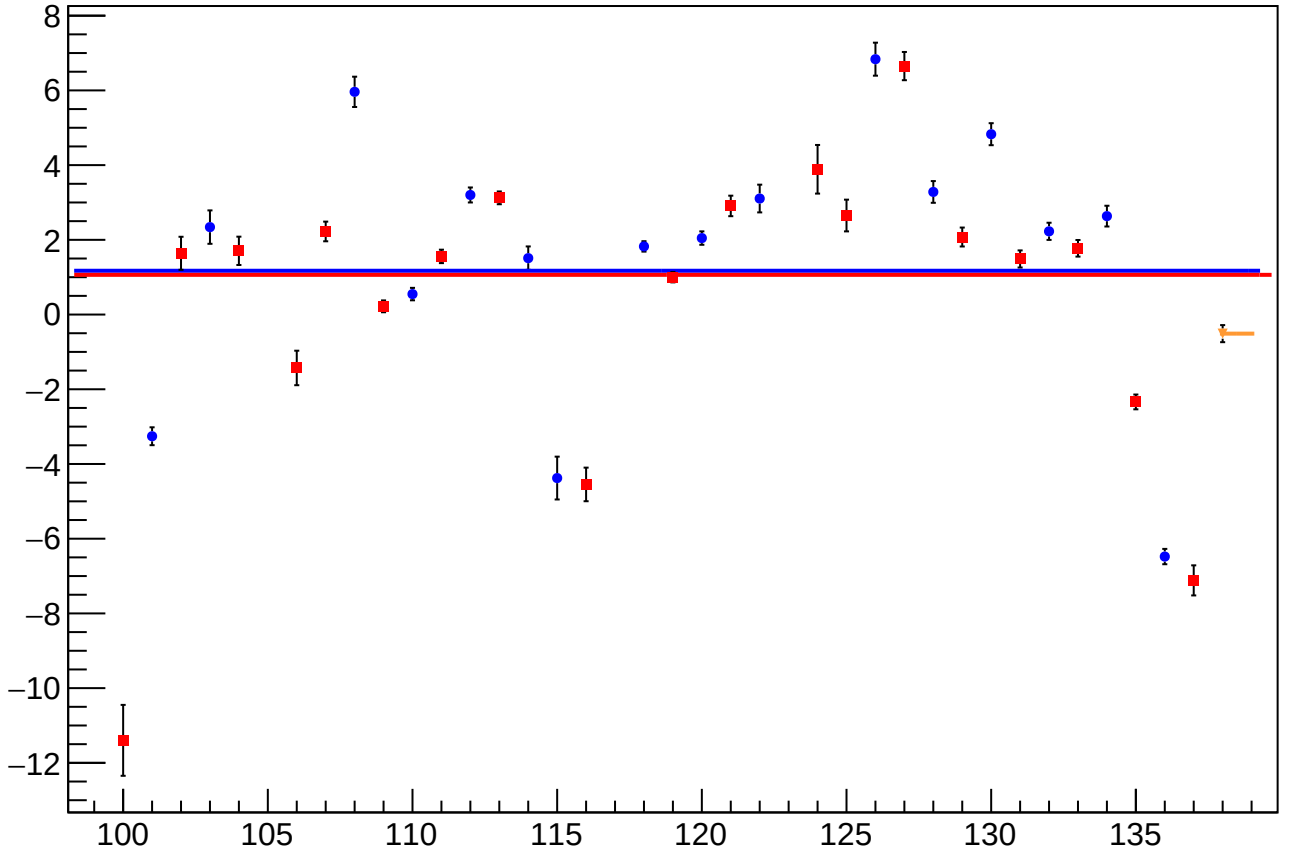
Left: 30.937+/-0.201 χ^2/NDF: 0.0/0

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: -4.139+/-0.054 χ^2/NDF:75240.1/15

Out: -0.739+/-0.045 χ^2/NDF:106681.1/19

All: -2.111+/-0.035 χ^2/NDF: 184255.0/35



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -0.511+/-0.229 χ^2/NDF:0.0/0

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

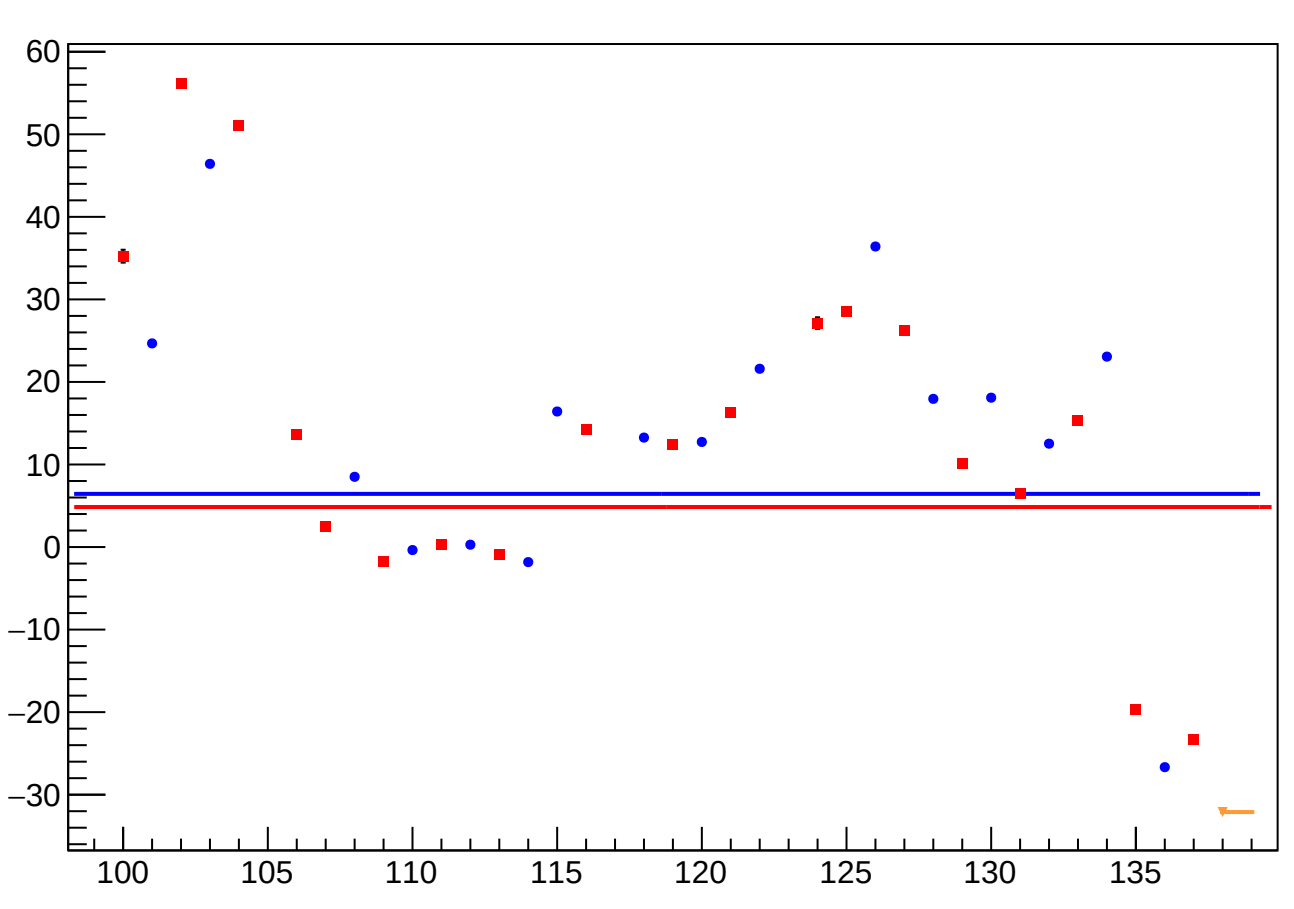
Left: -0.511+/-0.229 χ^2/NDF: 0.0/0

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 1.172+/-0.060 χ^2/NDF:2584.5/15

Out: 0.971+/-0.055 χ^2/NDF:1641.1/19

All: 1.063+/-0.041 χ^2/NDF: 4231.7/35



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -32.104+/-0.211 χ^2/NDF:0.0/0

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

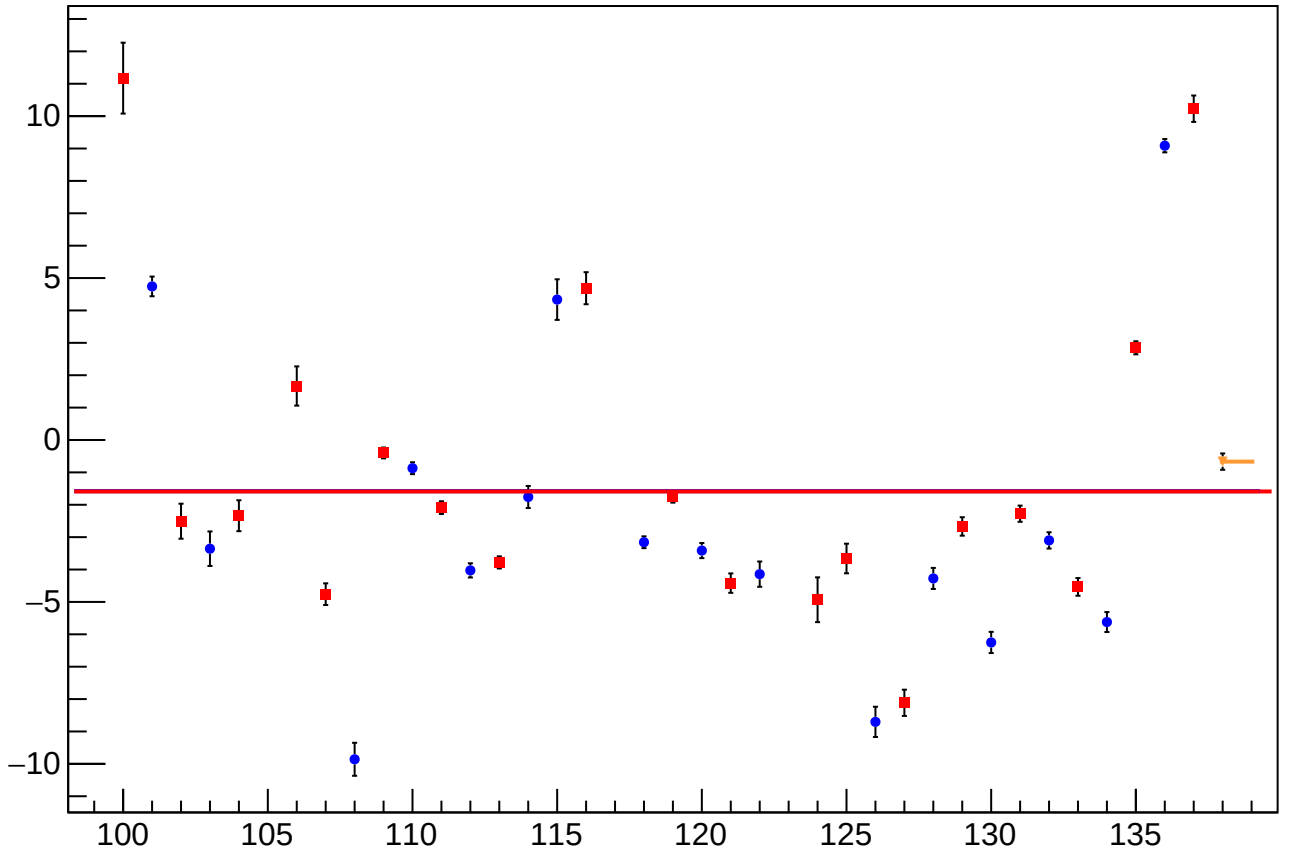
Left: -32.104+/-0.211 χ^2/NDF: 0.0/0

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: 6.442+/-0.065 χ^2/NDF:70630.3/15

Out: 2.174+/-0.057 χ^2/NDF:103724.7/19

All: 4.021+/-0.043 χ^2/NDF: 176811.5/35



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -0.668+/-0.252 χ^2/NDF:0.0/0

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

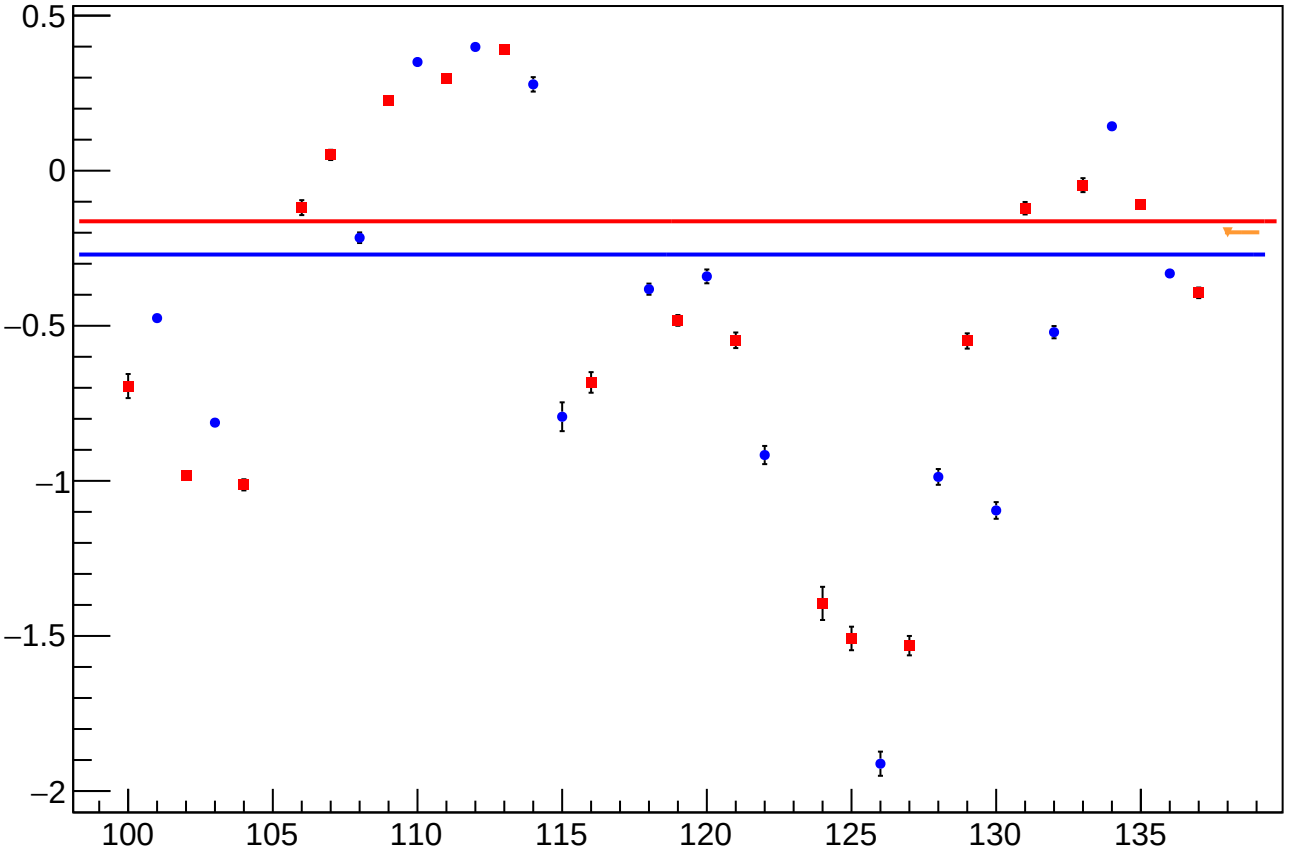
Left: -0.668+/-0.252 χ^2/NDF: 0.0/0

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.580+/-0.069 χ^2/NDF:4524.3/15

Out: -1.533+/-0.062 χ^2/NDF:2484.7/19

All: -1.554+/-0.046 χ^2/NDF: 7009.3/35



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.199+/-0.008 χ^2/NDF:0.0/0

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

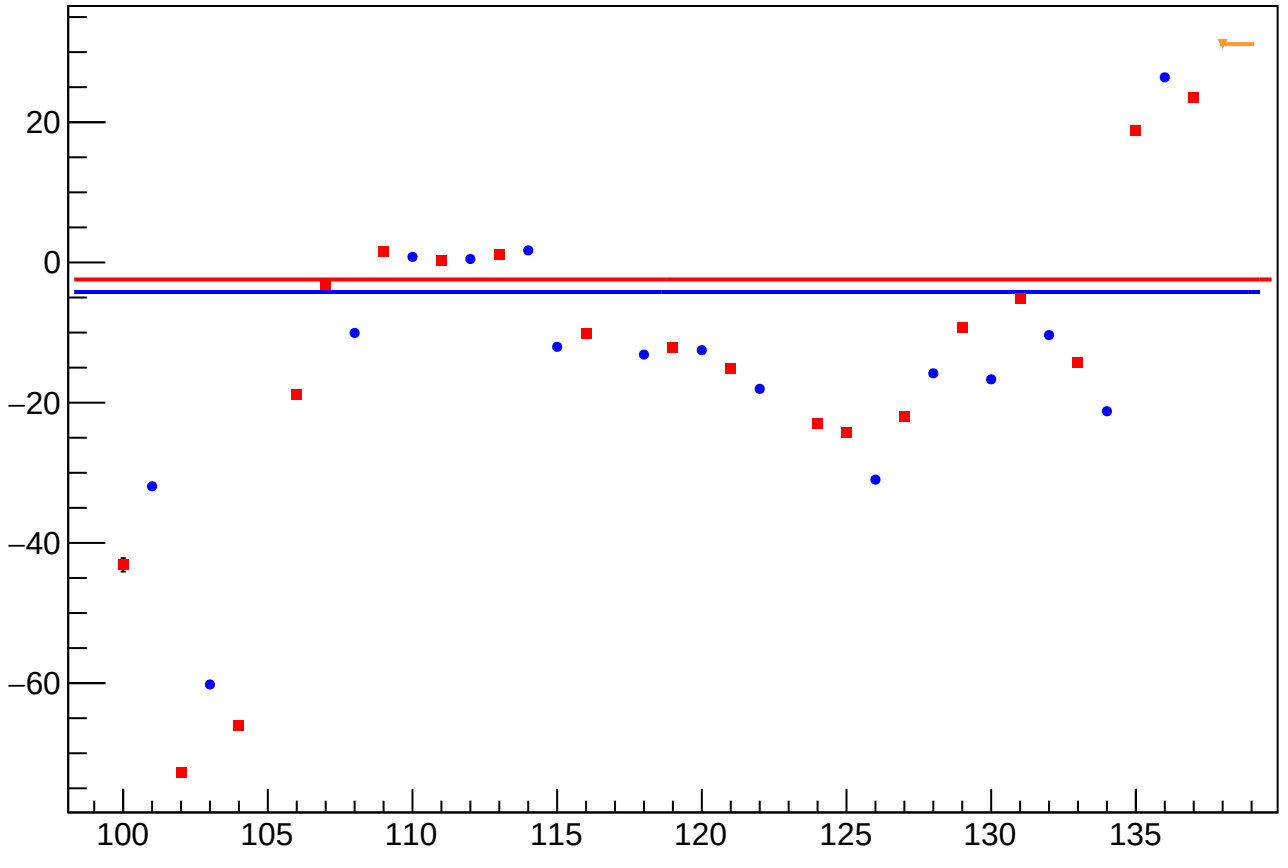
Left: -0.199+/-0.008 χ^2/NDF: 0.0/0

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.270+/-0.004 χ^2/NDF:12036.3/15

Out: -0.169+/-0.003 χ^2/NDF:15525.7/19

All: -0.211+/-0.003 χ^2/NDF: 27914.6/35



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 31.145+/-0.202 χ^2/NDF:0.0/0

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 31.145+/-0.202 χ^2/NDF: 0.0/0

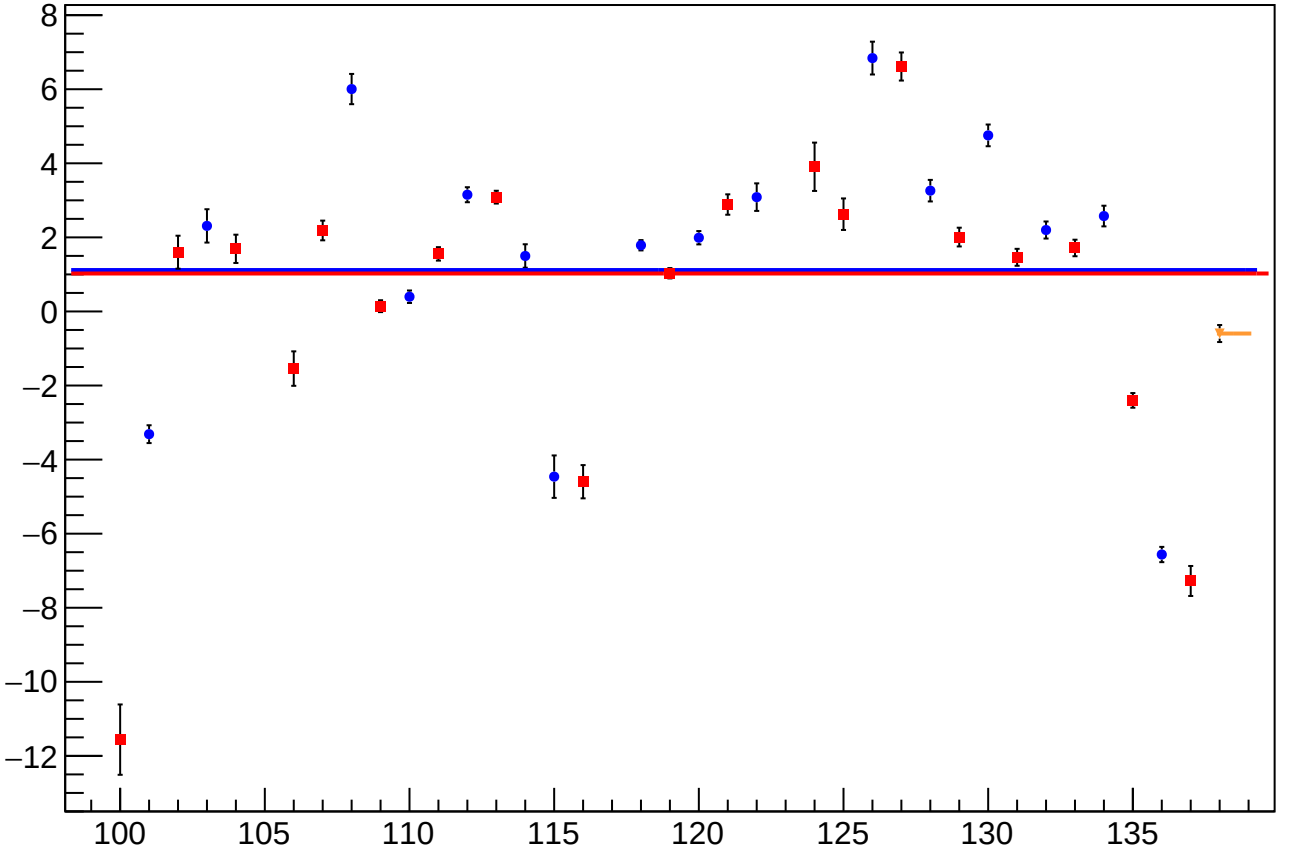
Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: -4.214+/-0.055 χ^2/NDF:75215.4/15

Out: -0.766+/-0.045 χ^2/NDF:106872.2/19

All: -2.159+/-0.035 χ^2/NDF: 184455.8/35

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -0.596+/-0.230 χ^2/NDF:0.0/0

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

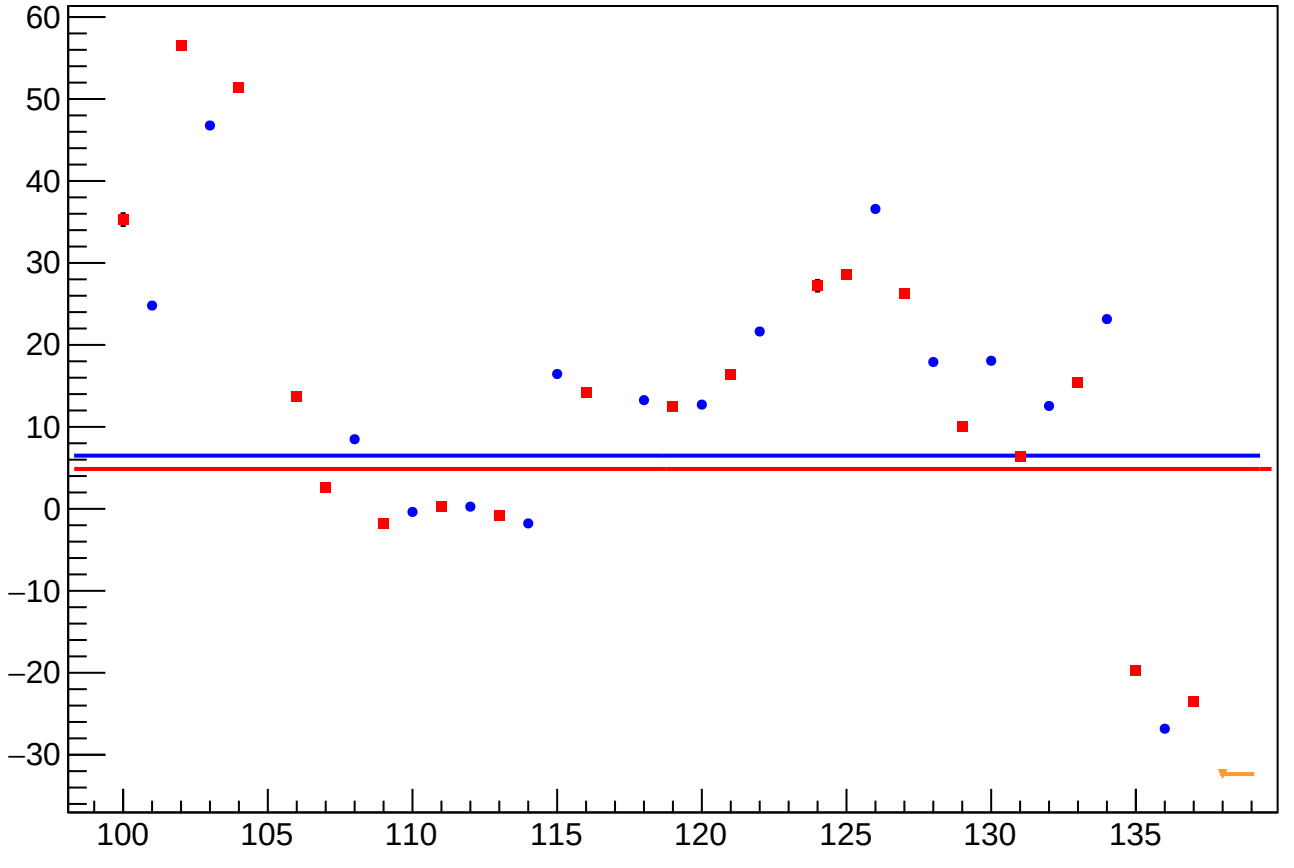
Left: -0.596+/-0.230 χ^2/NDF: 0.0/0

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 1.118+/-0.060 χ^2/NDF:2591.7/15

Out: 0.930+/-0.056 χ^2/NDF:1658.9/19

All: 1.016+/-0.041 χ^2/NDF: 4255.8/35



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -32.355+/-0.212 χ^2/NDF:0.0/0

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

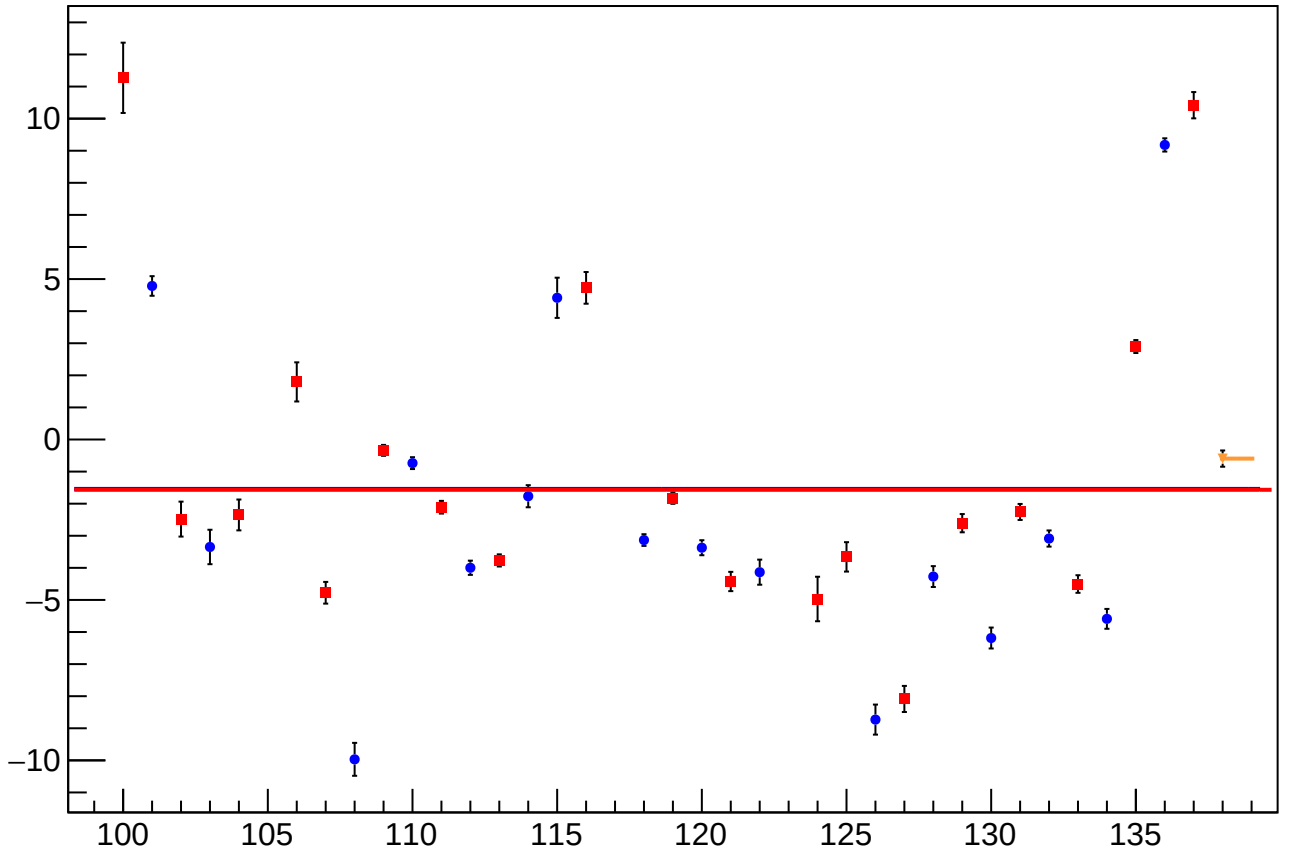
Left: -32.355+/-0.212 χ^2/NDF: 0.0/0

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: 6.492+/-0.065 χ^2/NDF:70623.9/15

Out: 2.168+/-0.057 χ^2/NDF:103960.9/19

All: 4.040+/-0.043 χ^2/NDF: 177077.3/35



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -0.595+/-0.253 χ^2/NDF:0.0/0

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.595+/-0.253 χ^2/NDF: 0.0/0

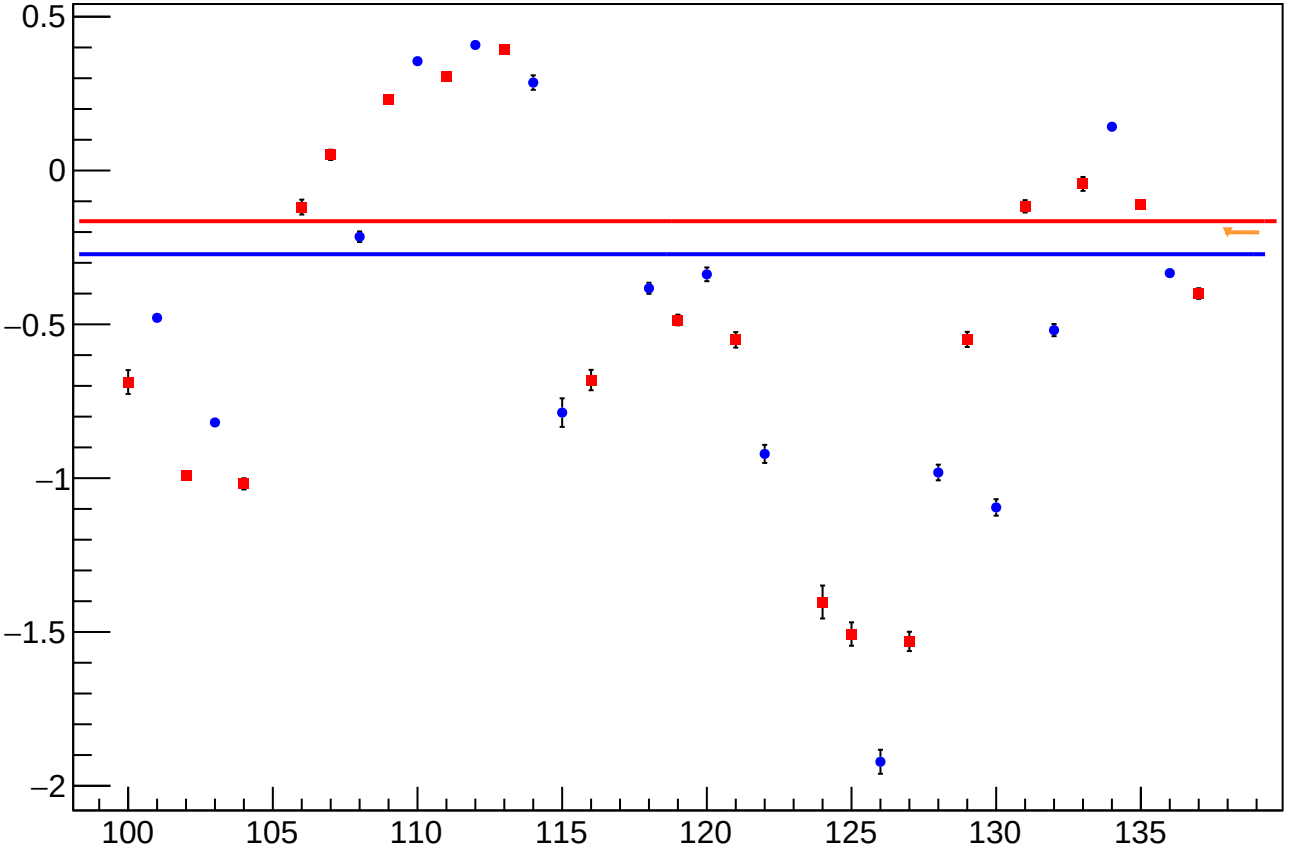
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.540+/-0.070 χ^2/NDF:4535.9/15

Out: -1.508+/-0.063 χ^2/NDF:2510.8/19

All: -1.522+/-0.047 χ^2/NDF: 7046.8/35

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.201+/-0.008 χ^2/NDF:0.0/0

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

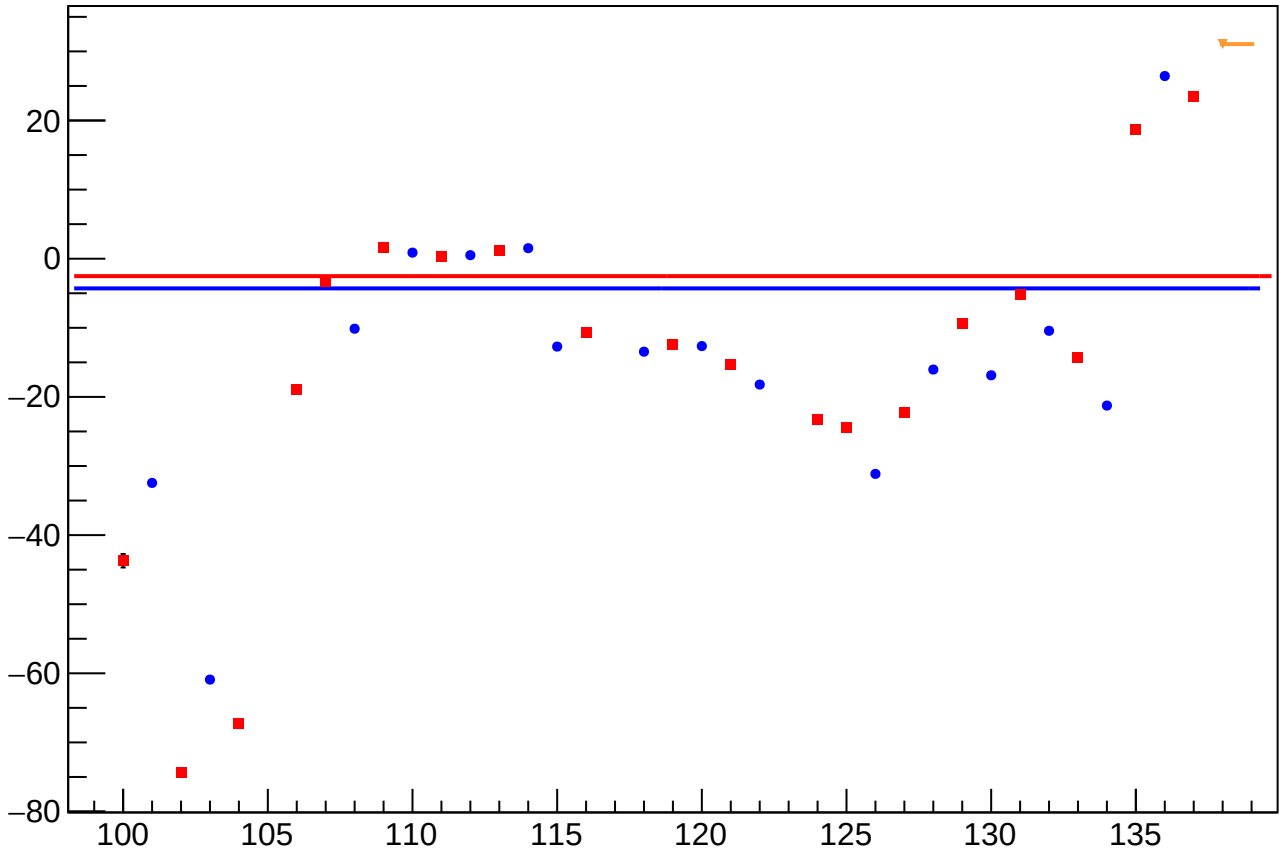
Left: -0.201+/-0.008 χ^2/NDF: 0.0/0

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.272+/-0.004 χ^2/NDF:12063.6/15

Out: -0.171+/-0.003 χ^2/NDF:15506.5/19

All: -0.212+/-0.003 χ^2/NDF: 27919.5/35



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 31.059+/-0.204 χ^2/NDF:0.0/0

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 31.059+/-0.204 χ^2/NDF: 0.0/0

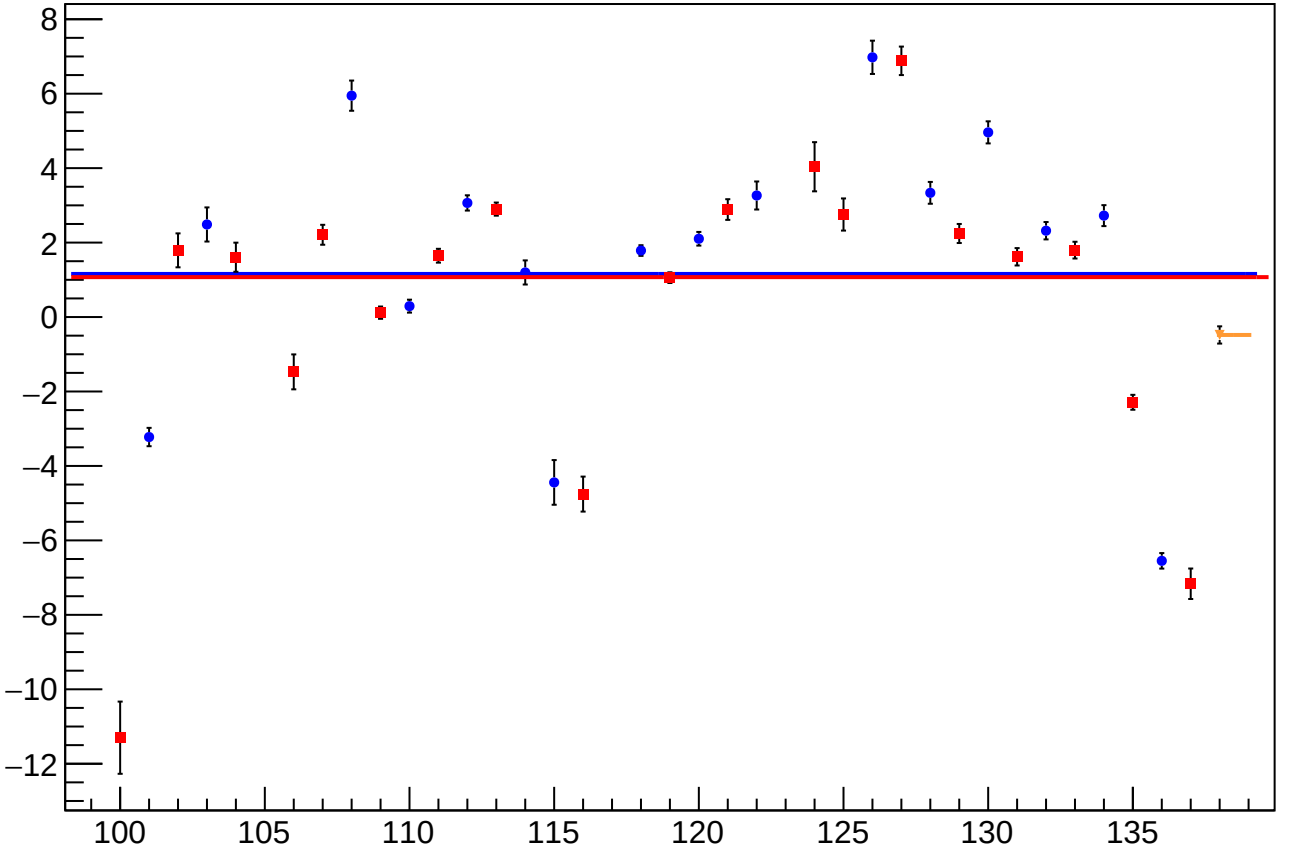
Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: -4.296+/-0.056 χ^2/NDF:74218.3/15

Out: -0.818+/-0.046 χ^2/NDF:105576.3/19

All: -2.228+/-0.035 χ^2/NDF: 182109.7/35

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -0.481+/-0.232 χ^2/NDF:0.0/0

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

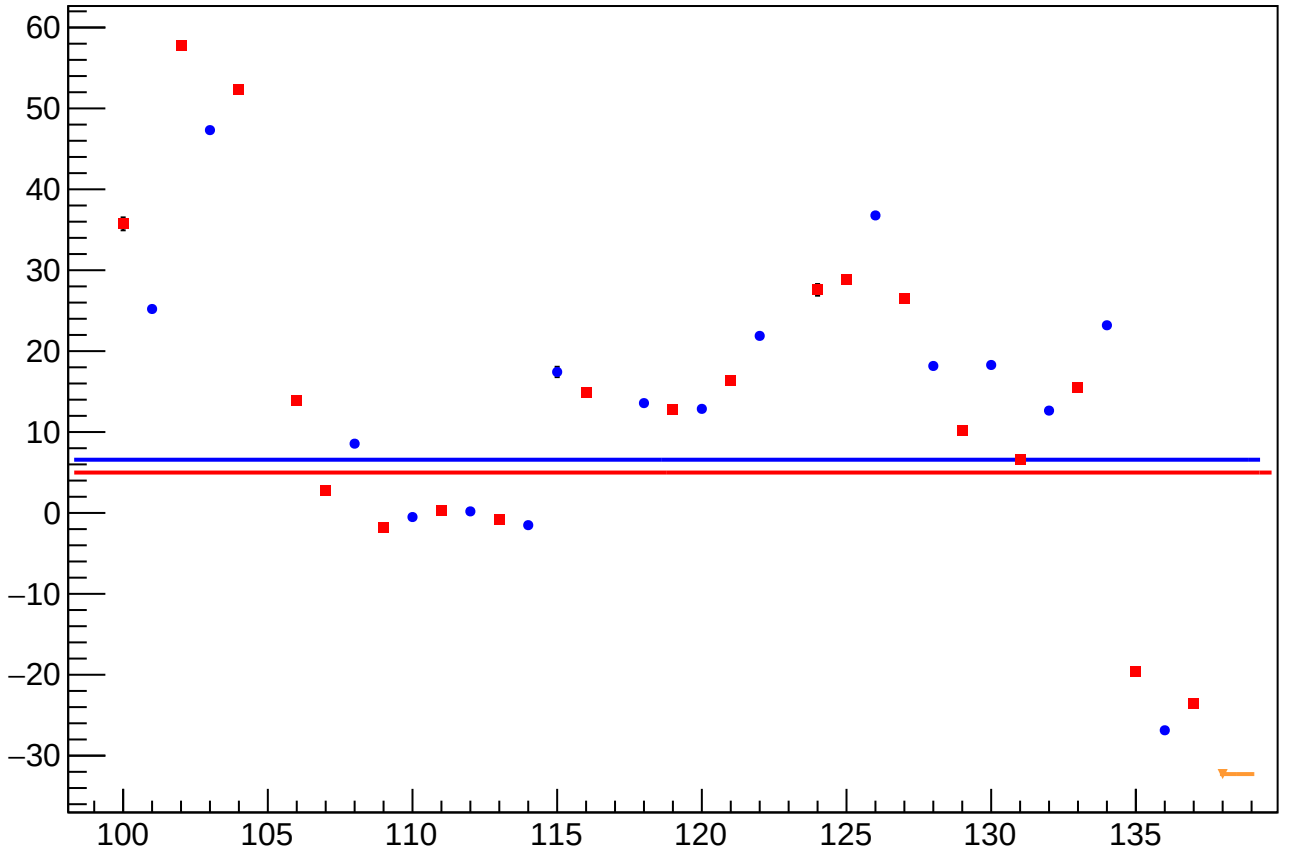
Left: -0.481+/-0.232 χ^2/NDF: 0.0/0

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 1.158+/-0.062 χ^2/NDF:2549.9/15

Out: 0.979+/-0.057 χ^2/NDF:1593.7/19

All: 1.061+/-0.042 χ^2/NDF: 4148.2/35



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -32.276+/-0.213 χ^2/NDF:0.0/0

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

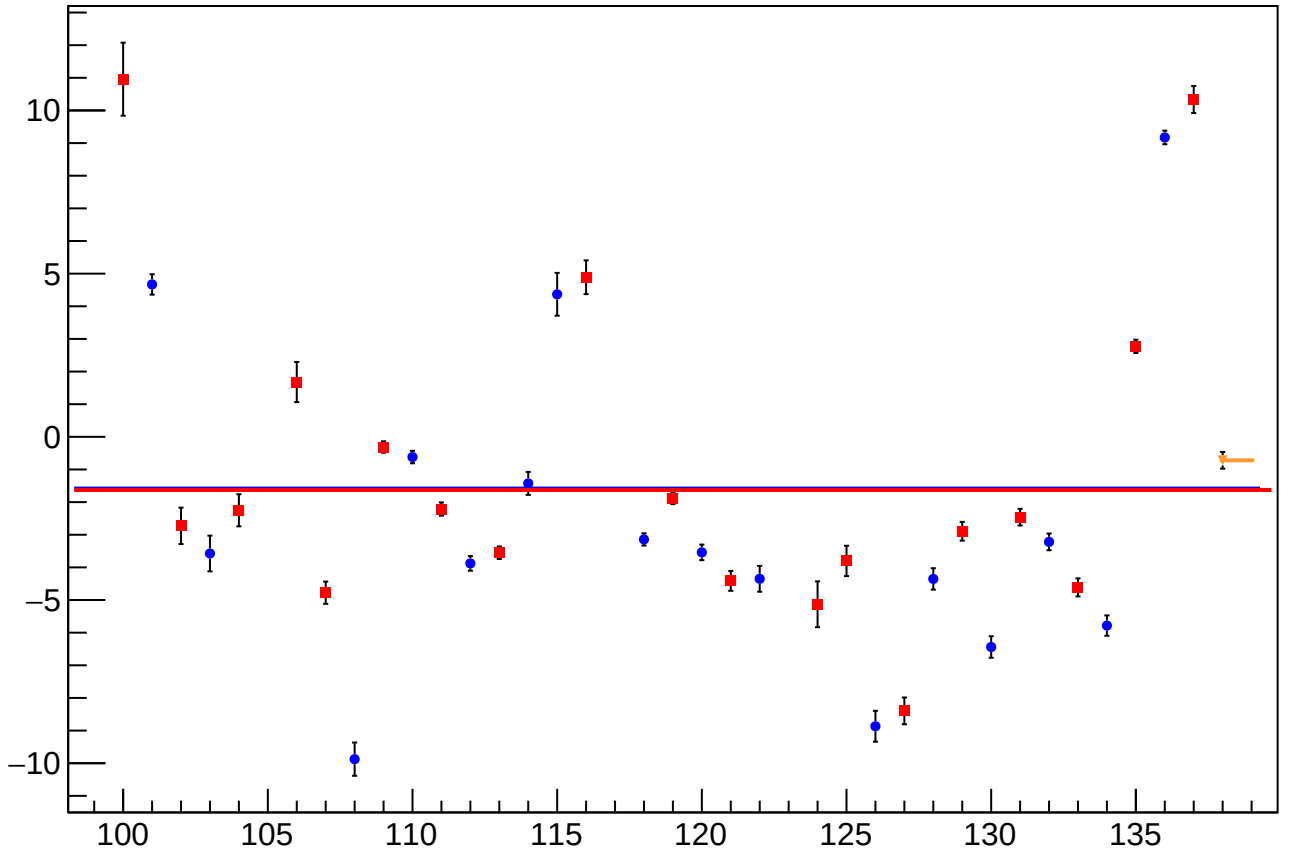
Left: -32.276+/-0.213 χ^2/NDF: 0.0/0

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 6.578+/-0.066 χ^2/NDF:69731.5/15

Out: 2.226+/-0.058 χ^2/NDF:102695.2/19

All: 4.115+/-0.044 χ^2/NDF: 174858.1/35



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -0.719+/-0.255 χ^2/NDF:0.0/0

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

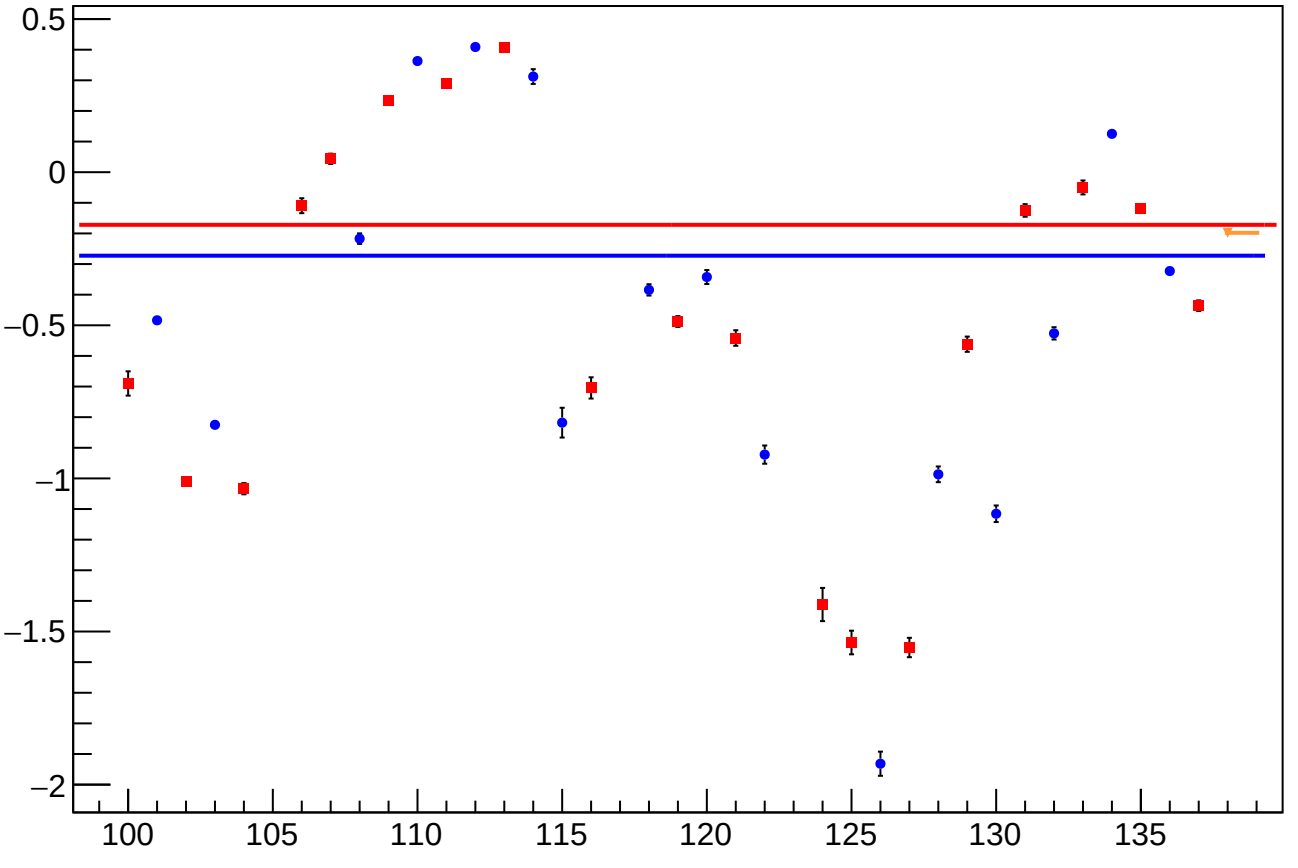
Left: -0.719+/-0.255 χ^2/NDF: 0.0/0

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.586+/-0.071 χ^2/NDF:4472.6/15

Out: -1.571+/-0.064 χ^2/NDF:2434.1/19

All: -1.578+/-0.047 χ^2/NDF: 6906.8/35



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.198+/-0.008 χ^2/NDF:0.0/0

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

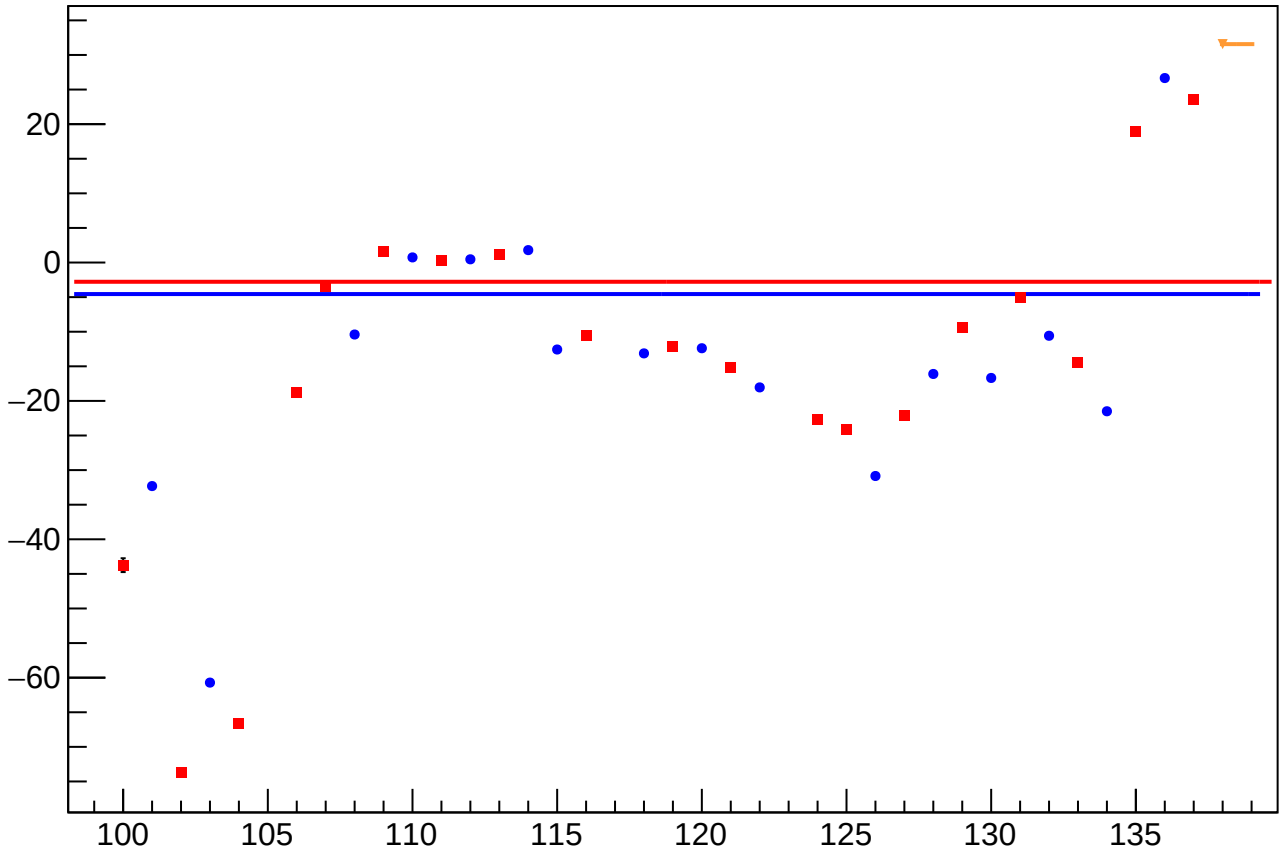
Left: -0.198+/-0.008 χ^2/NDF: 0.0/0

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.273+/-0.004 χ^2/NDF:11856.3/15

Out: -0.177+/-0.004 χ^2/NDF:15330.5/19

All: -0.216+/-0.003 χ^2/NDF: 27493.6/35



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 31.566+/-0.210 χ^2/NDF:0.0/0

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

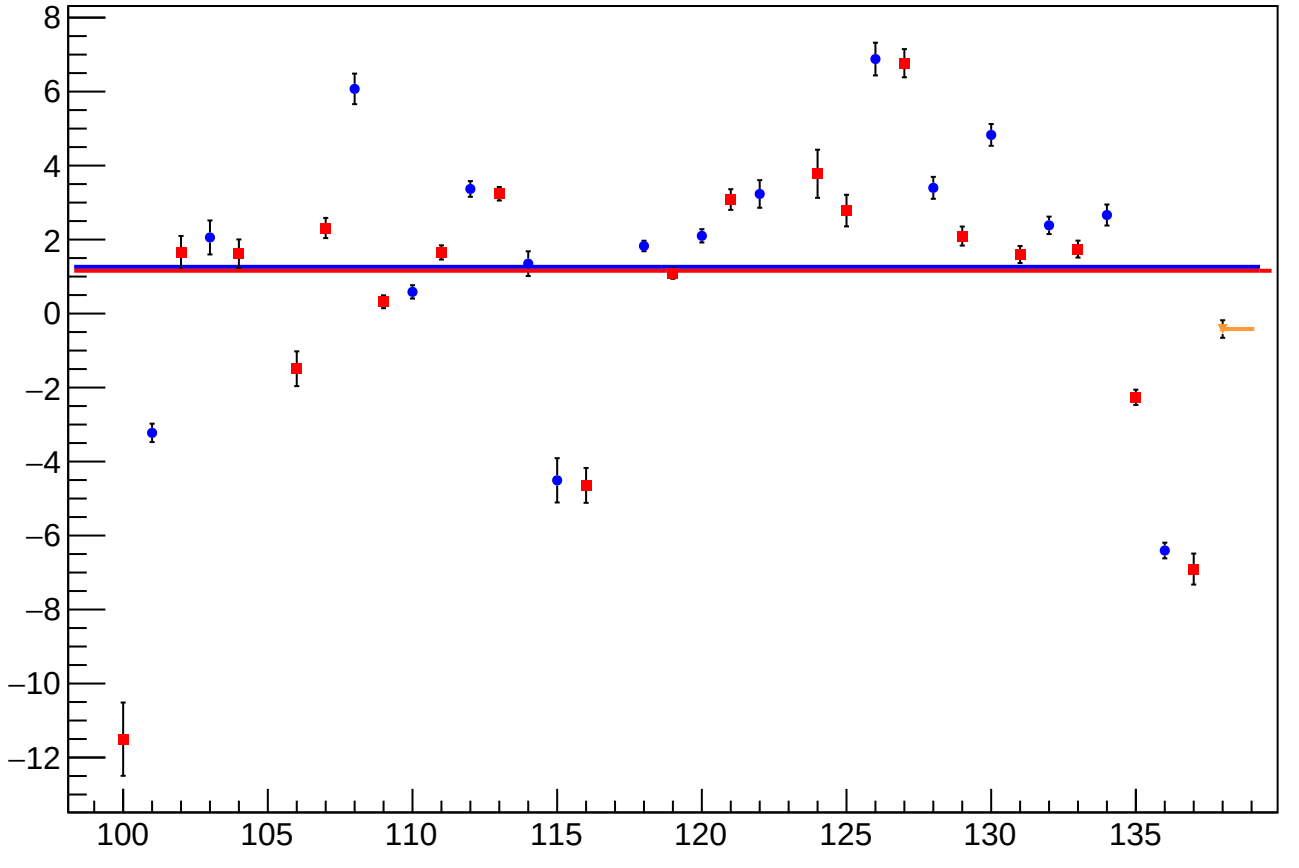
Left: 31.566+/-0.210 χ^2/NDF: 0.0/0

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: -4.557+/-0.057 χ^2/NDF:72635.2/15

Out: -1.036+/-0.047 χ^2/NDF:103364.0/19

All: -2.477+/-0.036 χ^2/NDF: 178270.3/35



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -0.418+/-0.237 χ^2/NDF:0.0/0

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

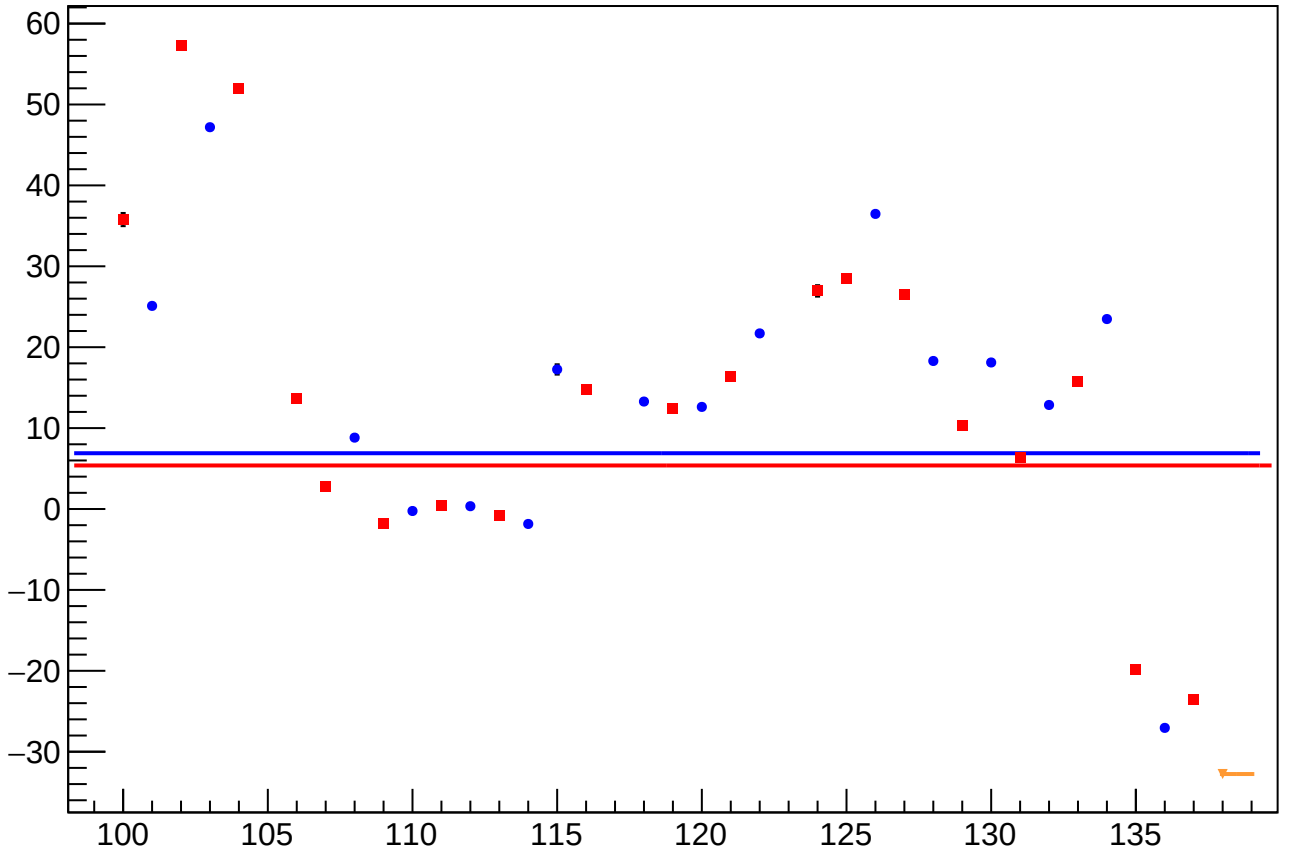
Left: -0.418+/-0.237 χ^2/NDF: 0.0/0

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 1.263+/-0.062 χ^2/NDF:2443.8/15

Out: 1.065+/-0.057 χ^2/NDF:1532.0/19

All: 1.156+/-0.042 χ^2/NDF: 3981.3/35



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -32.757+/-0.219 χ^2/NDF:0.0/0

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

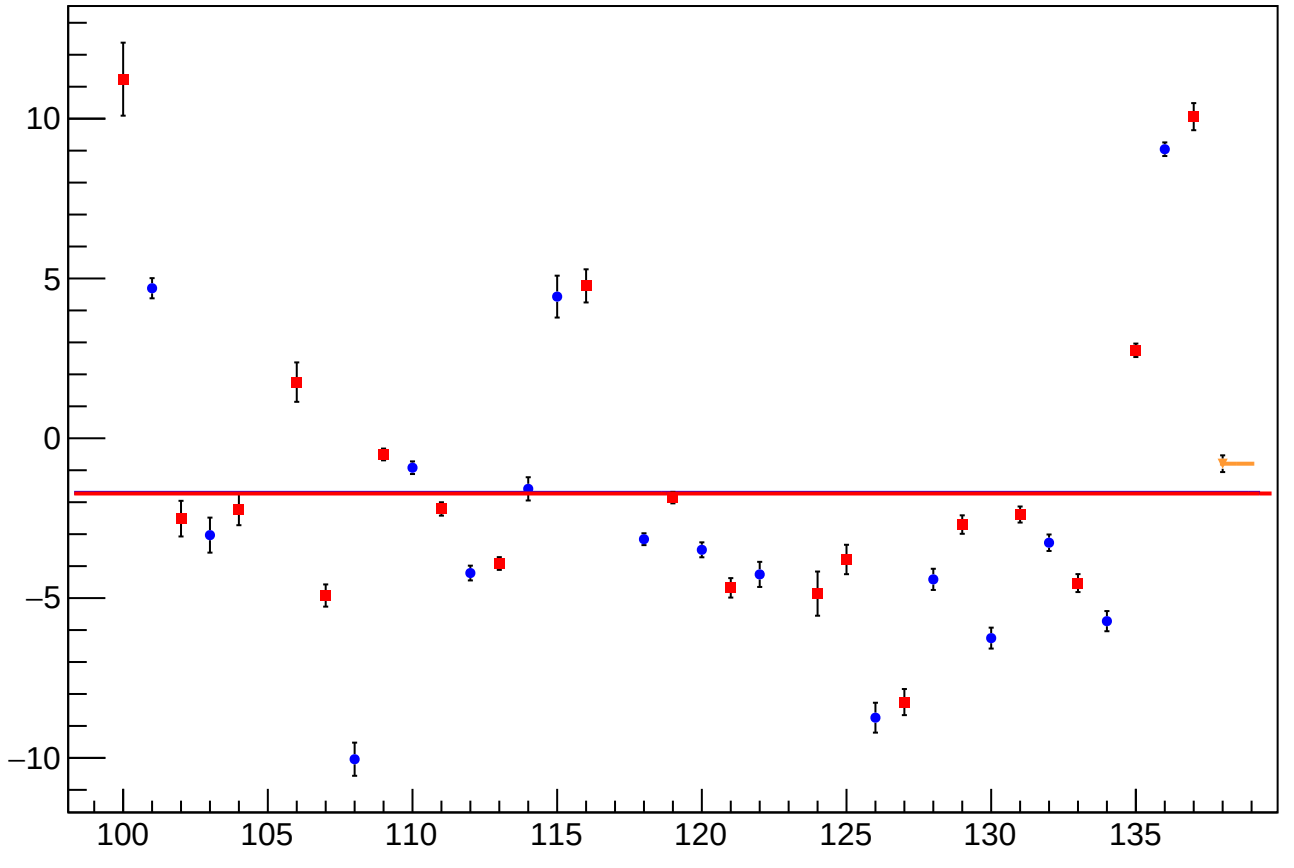
Left: -32.757+/-0.219 χ^2/NDF: 0.0/0

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 6.895+/-0.067 χ^2/NDF:68047.4/15

Out: 2.583+/-0.059 χ^2/NDF:100269.3/19

All: 4.469+/-0.045 χ^2/NDF: 170621.5/35



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -0.795+/-0.262 χ^2/NDF:0.0/0

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.795+/-0.262 χ^2/NDF: 0.0/0

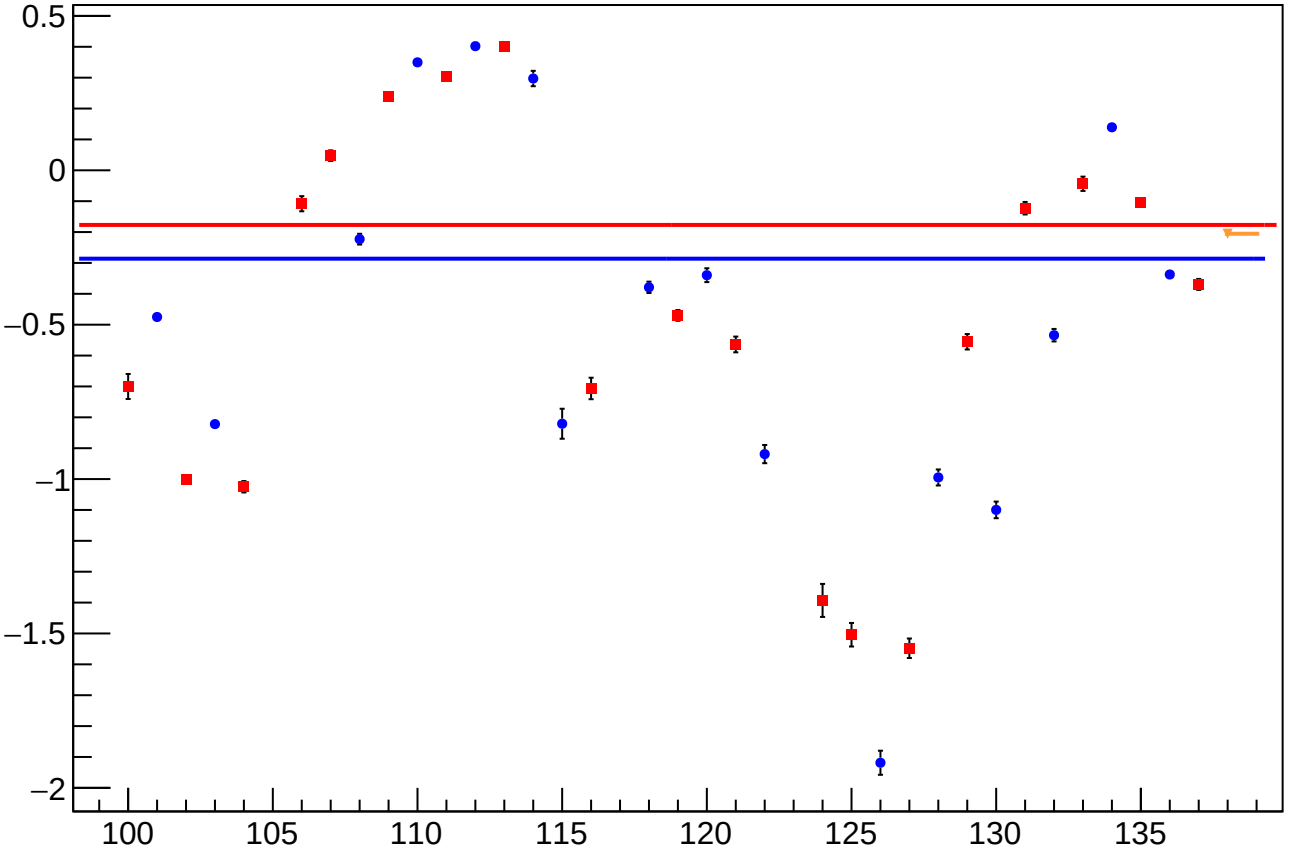
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.708+/-0.072 χ^2/NDF:4289.8/15

Out: -1.670+/-0.065 χ^2/NDF:2321.5/19

All: -1.687+/-0.048 χ^2/NDF: 6611.4/35

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.205+/-0.009 χ^2/NDF:0.0/0

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.205+/-0.009 χ^2/NDF: 0.0/0

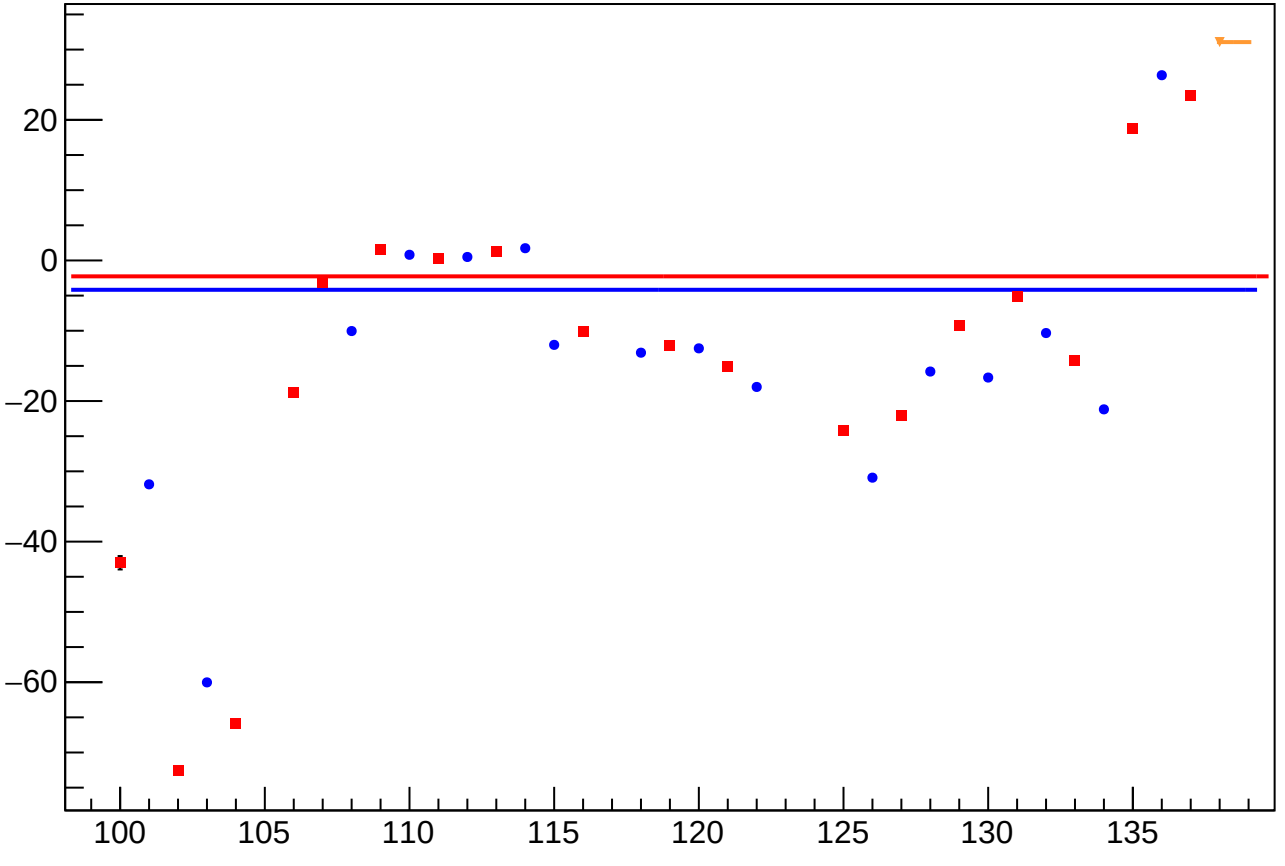
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.286+/-0.004 χ^2/NDF:11361.1/15

Out: -0.182+/-0.004 χ^2/NDF:14777.1/19

All: -0.225+/-0.003 χ^2/NDF: 26486.8/35

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: 31.066+/-0.202 χ^2/NDF:0.0/0

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 31.066+/-0.202 χ^2/NDF: 0.0/0

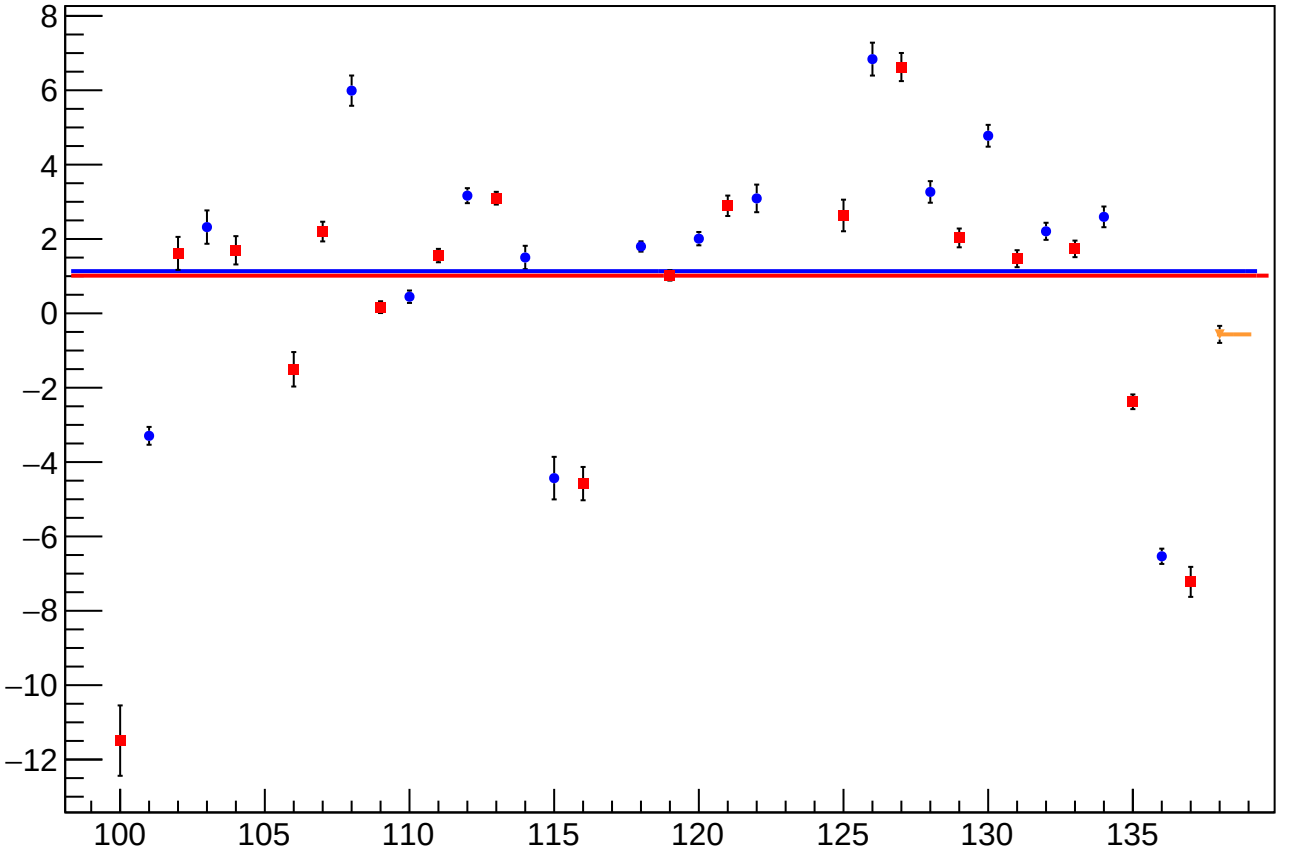
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: -4.173+/-0.054 χ^2/NDF:75394.5/15

Out: -0.611+/-0.045 χ^2/NDF:105574.9/18

All: -2.052+/-0.035 χ^2/NDF: 183517.9/34

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: -0.566+/-0.229 χ^2/NDF:0.0/0

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

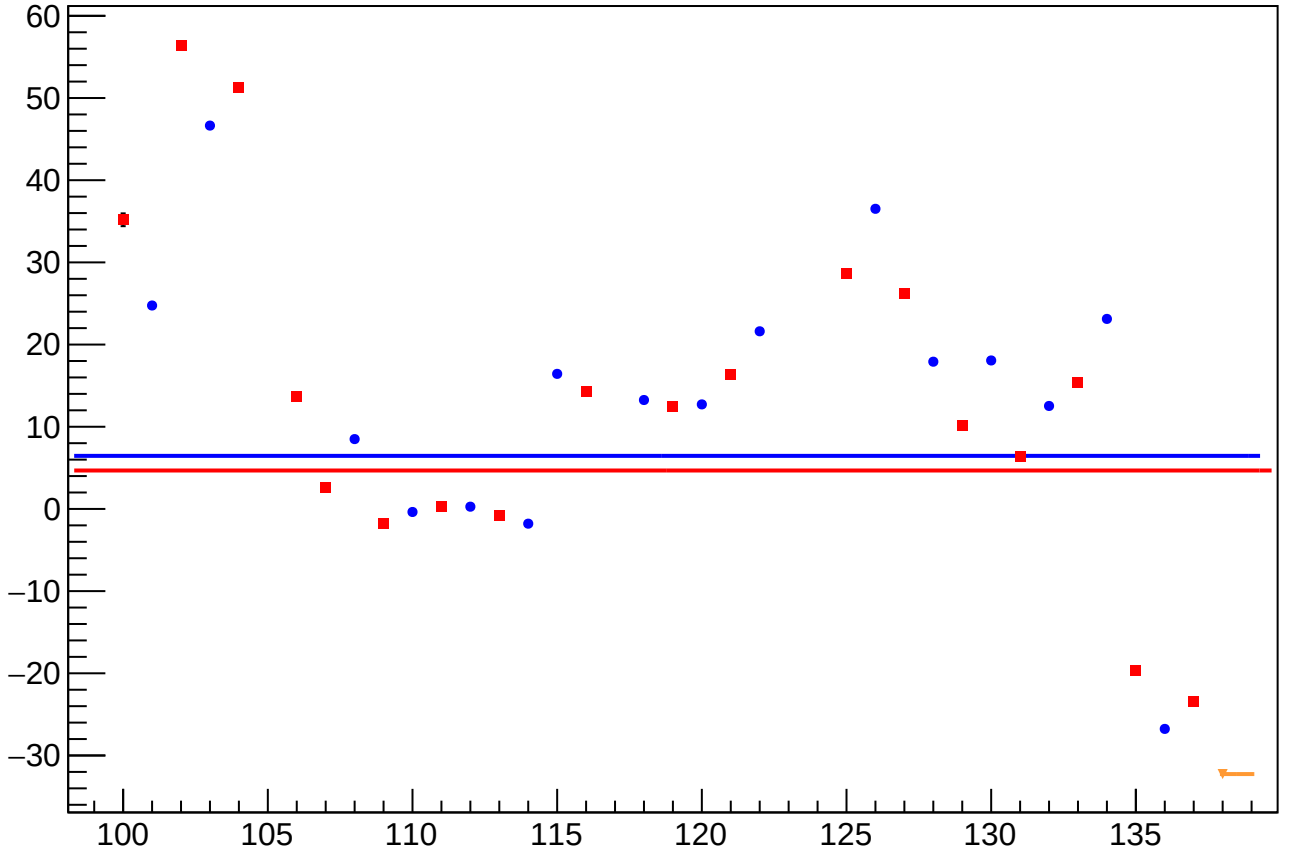
Left: -0.566+/-0.229 χ^2/NDF: 0.0/0

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 1.135+/-0.060 χ^2/NDF:2595.7/15

Out: 0.921+/-0.055 χ^2/NDF:1637.8/18

All: 1.020+/-0.041 χ^2/NDF: 4240.3/34



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -32.261+/-0.211 χ^2/NDF:0.0/0

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -32.261+/-0.211 χ^2/NDF: 0.0/0

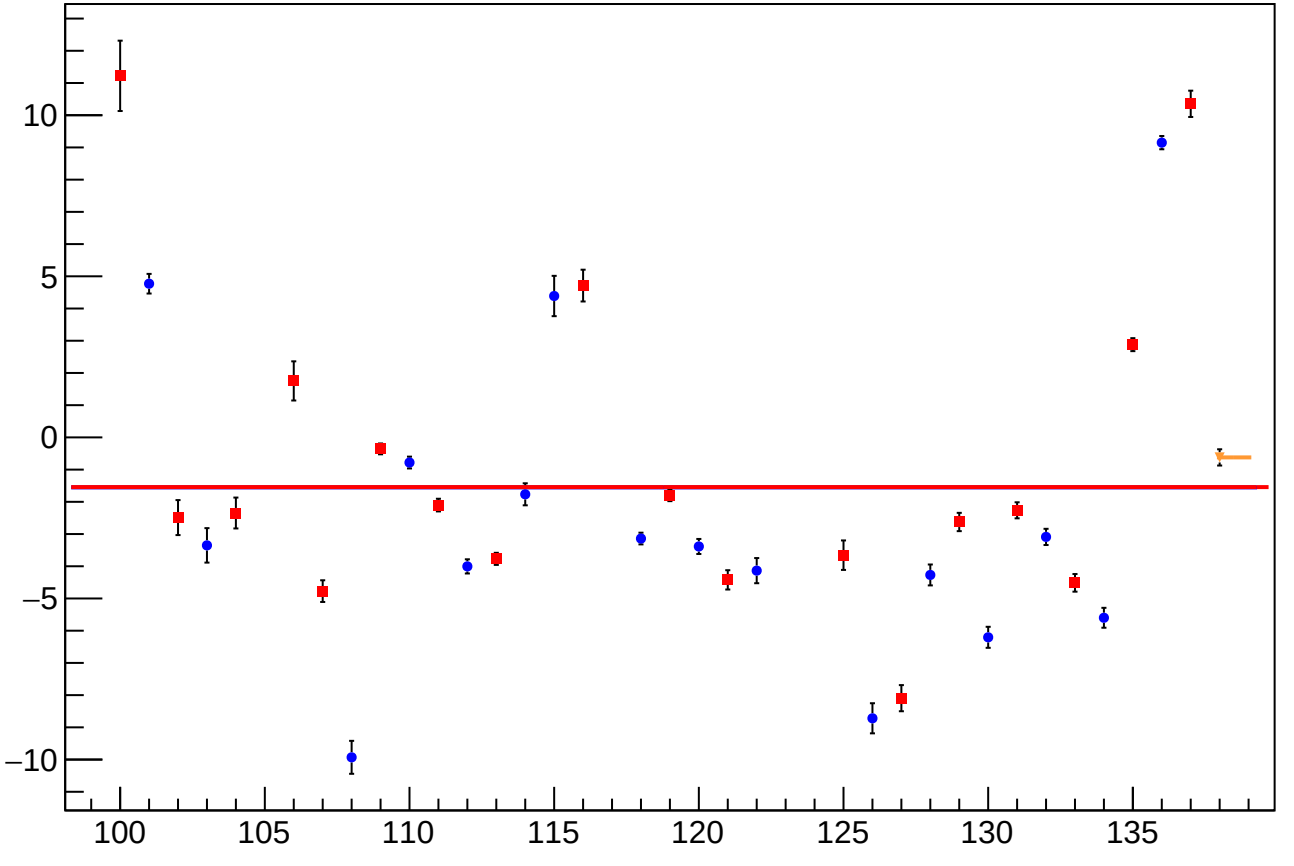
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: 6.458+/-0.065 χ^2/NDF:70792.7/15

Out: 1.988+/-0.057 χ^2/NDF:102866.4/18

All: 3.928+/-0.043 χ^2/NDF: 176338.7/34

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -0.621+/-0.252 χ^2/NDF:0.0/0

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.621+/-0.252 χ^2/NDF: 0.0/0

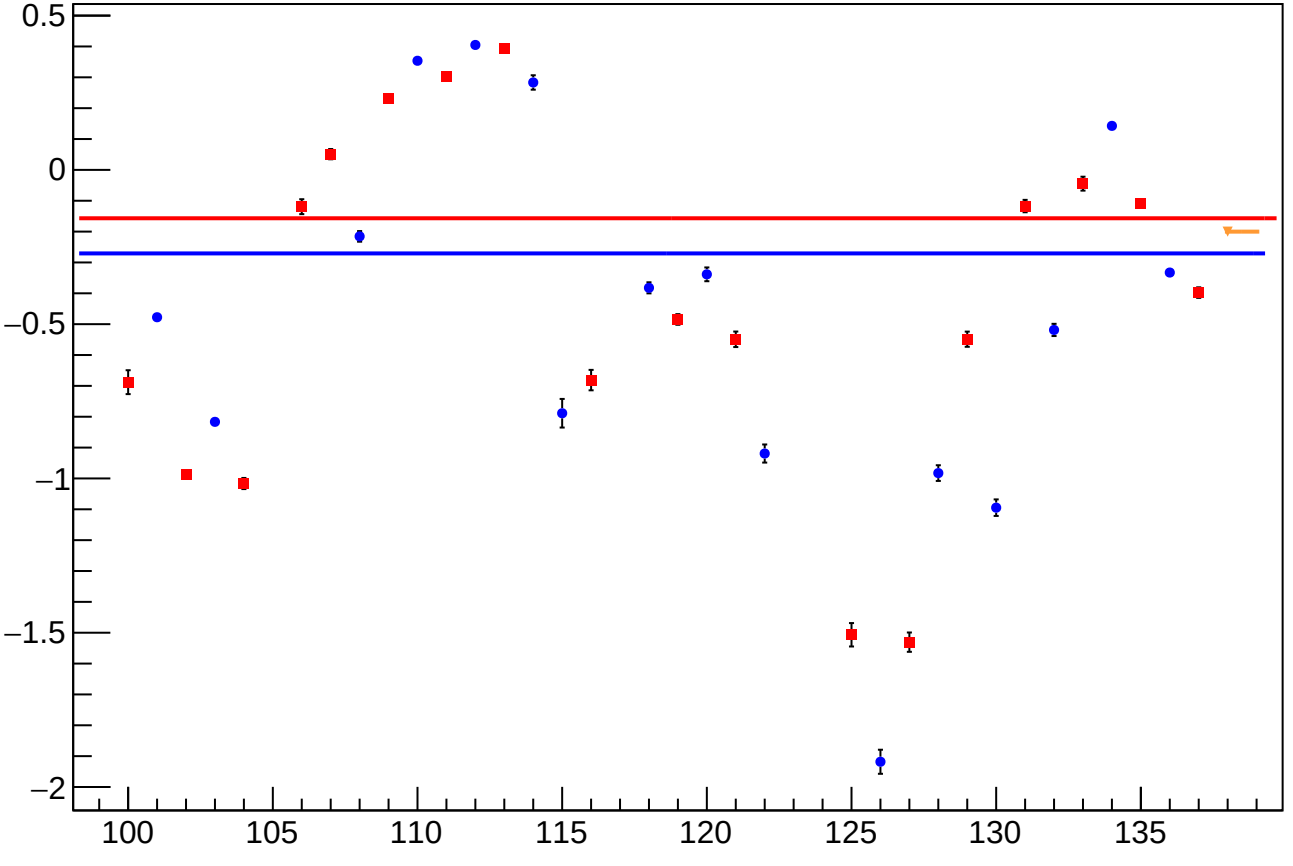
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.552+/-0.069 χ^2/NDF:4543.6/15

Out: -1.486+/-0.063 χ^2/NDF:2485.6/18

All: -1.516+/-0.046 χ^2/NDF: 7029.6/34

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: -0.200+/-0.008 χ^2/NDF:0.0/0

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

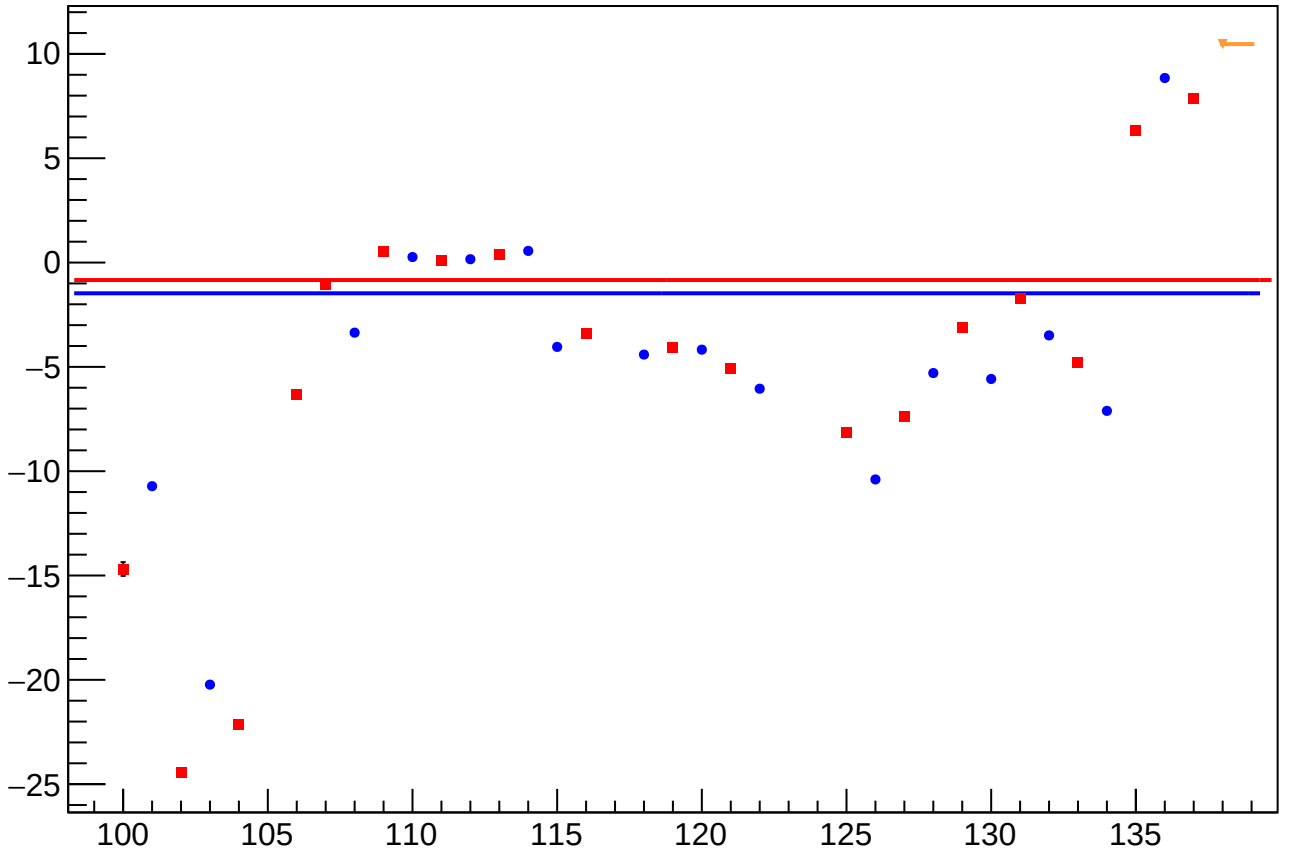
Left: -0.200+/-0.008 χ^2/NDF: 0.0/0

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.271+/-0.004 χ^2/NDF:12096.1/15

Out: -0.164+/-0.003 χ^2/NDF:15042.1/18

All: -0.208+/-0.003 χ^2/NDF: 27527.5/34



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 10.470+/-0.069 χ^2/NDF:0.0/0

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 10.470+/-0.069 χ^2/NDF: 0.0/0

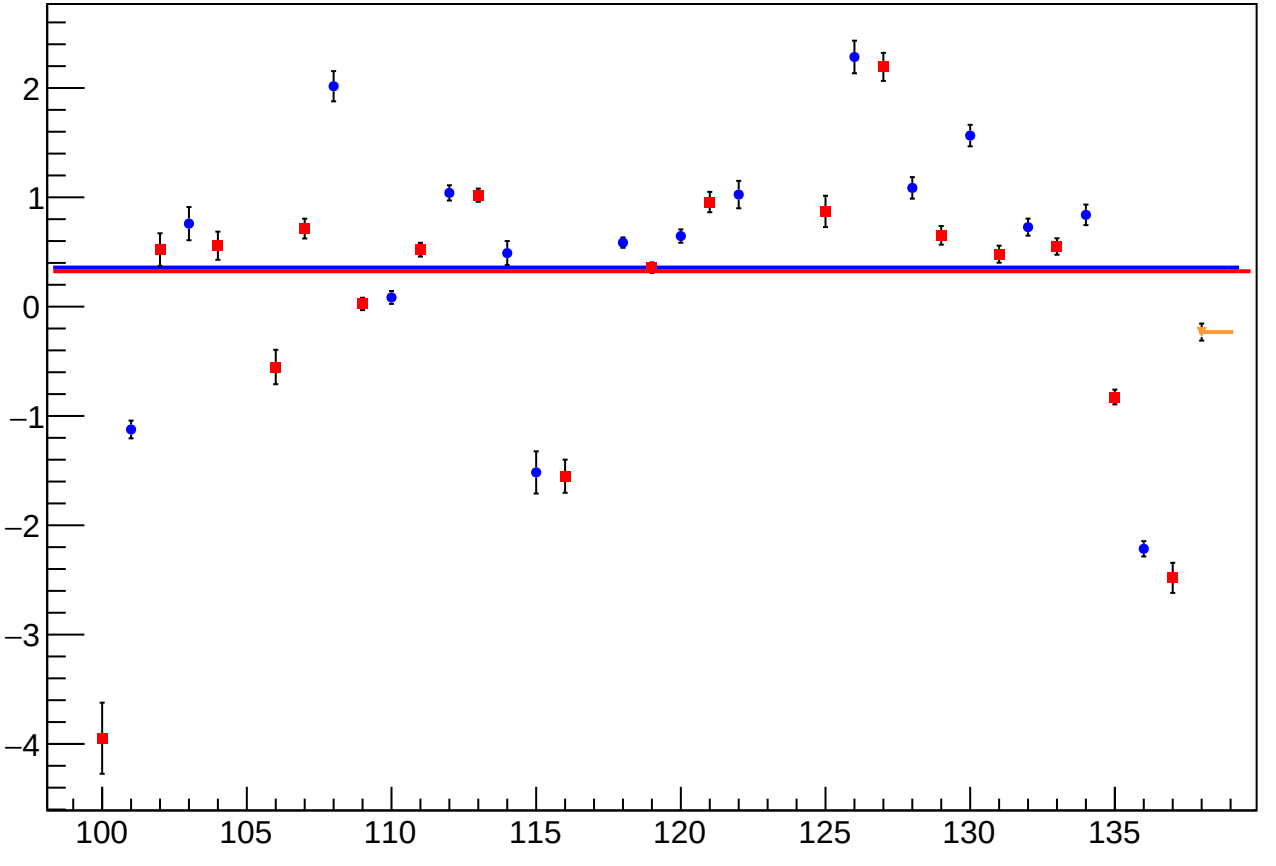
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: -1.474+/-0.019 χ^2/NDF:73722.2/15

Out: -0.257+/-0.016 χ^2/NDF:103574.7/18

All: -0.756+/-0.012 χ^2/NDF: 179783.9/34

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: -0.233+/-0.078 χ^2/NDF:0.0/0

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

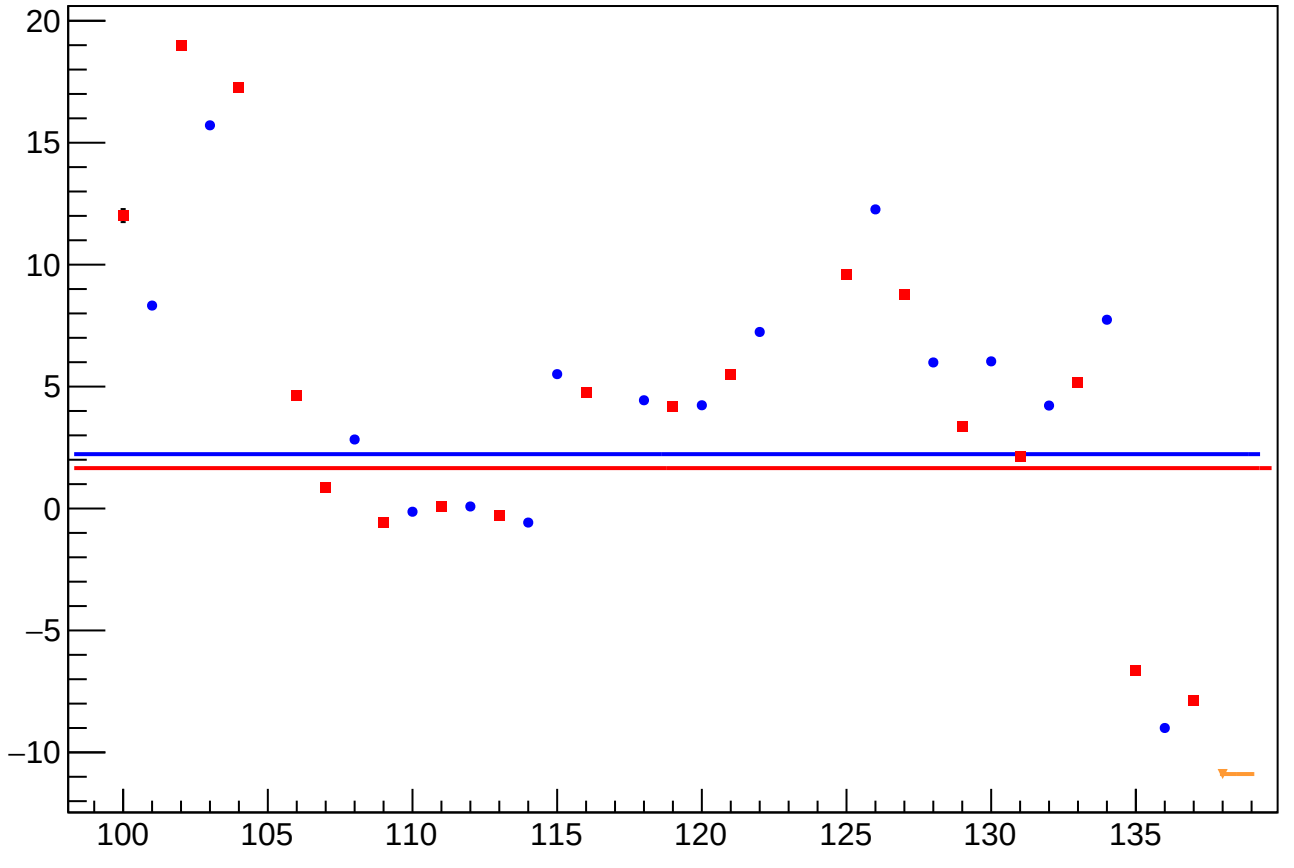
Left: -0.233+/-0.078 χ^2/NDF: 0.0/0

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.357+/-0.021 χ^2/NDF:2543.0/15

Out: 0.290+/-0.019 χ^2/NDF:1606.7/18

All: 0.321+/-0.014 χ^2/NDF: 4155.4/34



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -10.888+/-0.072 χ^2/NDF:0.0/0

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -10.888+/-0.072 χ^2/NDF: 0.0/0

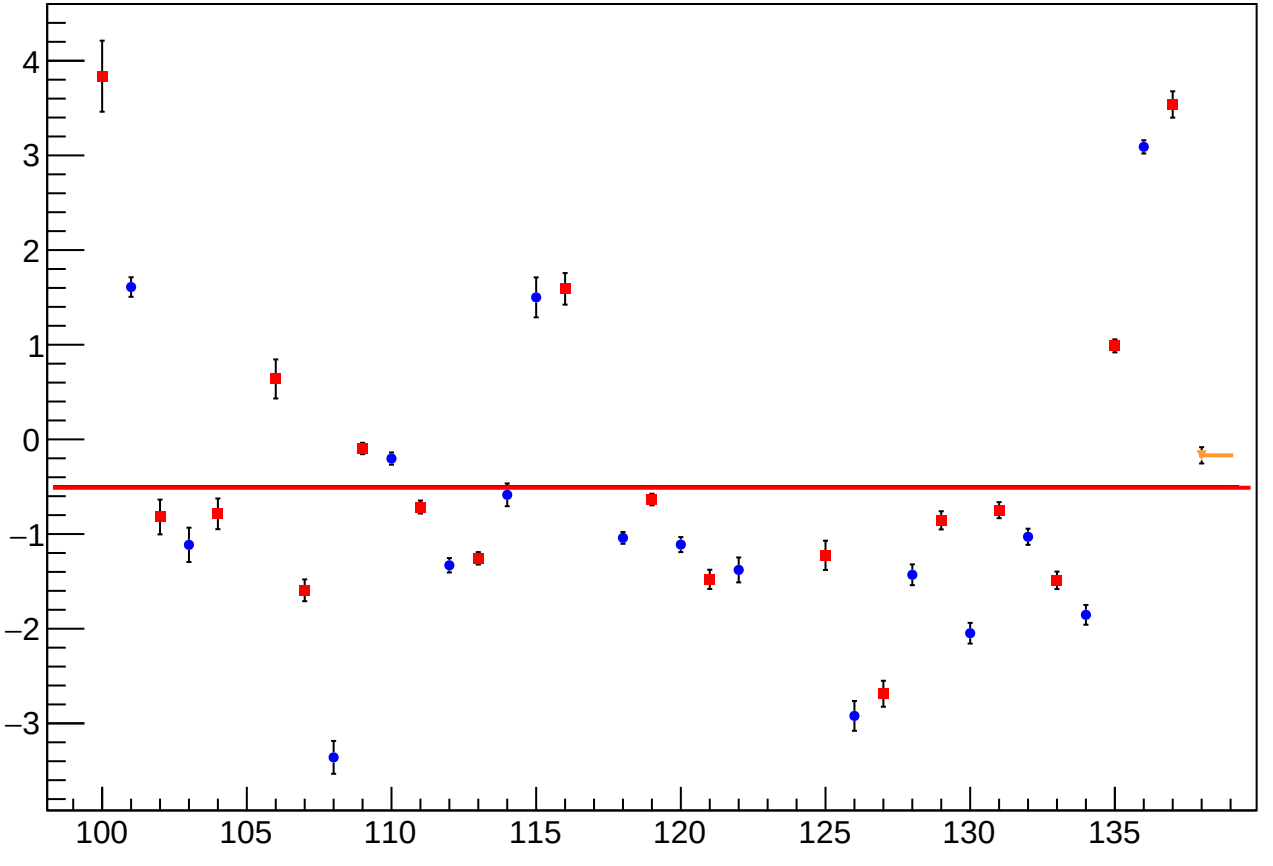
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: 2.229+/-0.022 χ^2/NDF:69187.1/15

Out: 0.721+/-0.020 χ^2/NDF:100874.6/18

All: 1.382+/-0.015 χ^2/NDF: 172640.0/34

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.168+/-0.086 χ^2/NDF:0.0/0

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.168+/-0.086 χ^2/NDF: 0.0/0

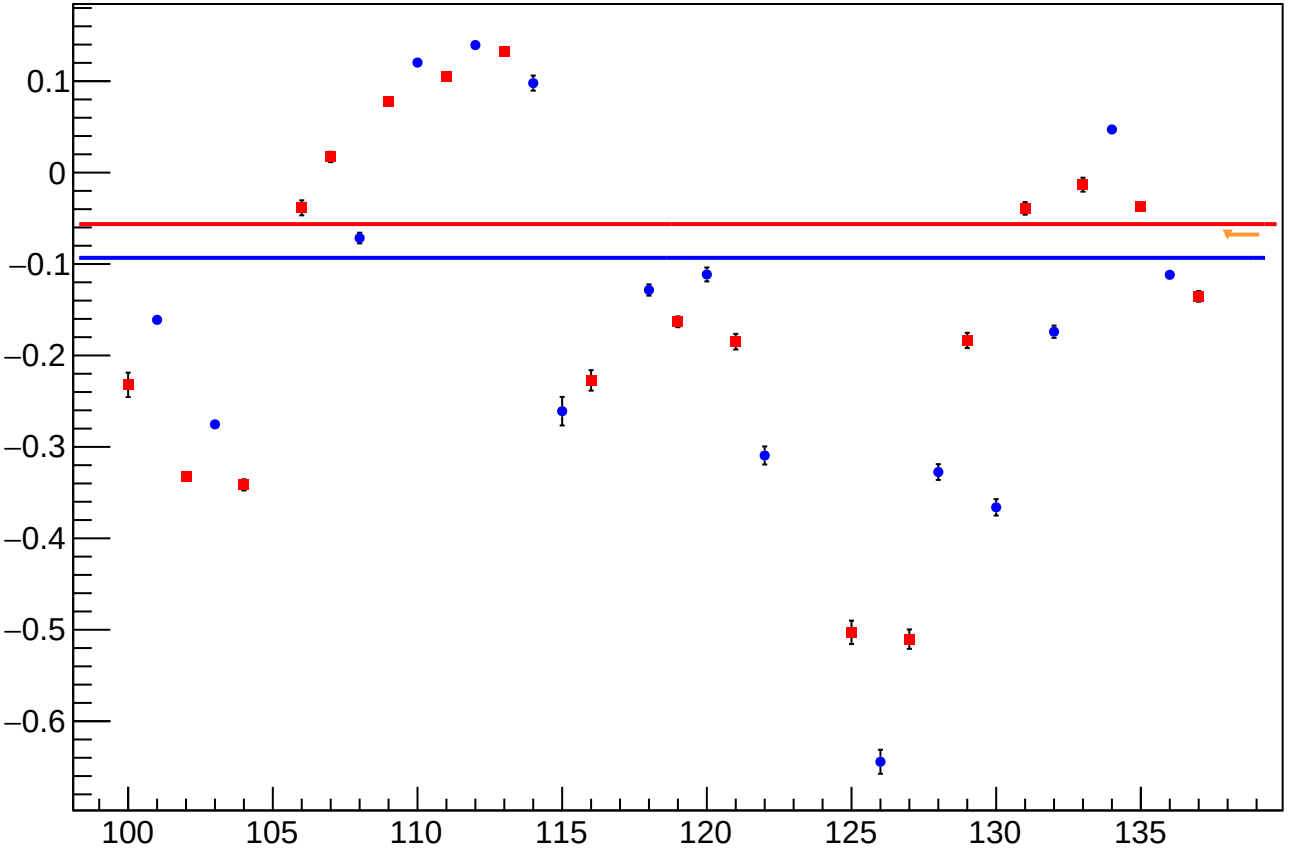
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.504+/-0.024 χ^2/NDF:4447.2/15

Out: -0.489+/-0.022 χ^2/NDF:2438.8/18

All: -0.496+/-0.016 χ^2/NDF: 6886.2/34

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: -0.068+/-0.003 χ^2/NDF:0.0/0

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.068+/-0.003 χ^2/NDF: 0.0/0

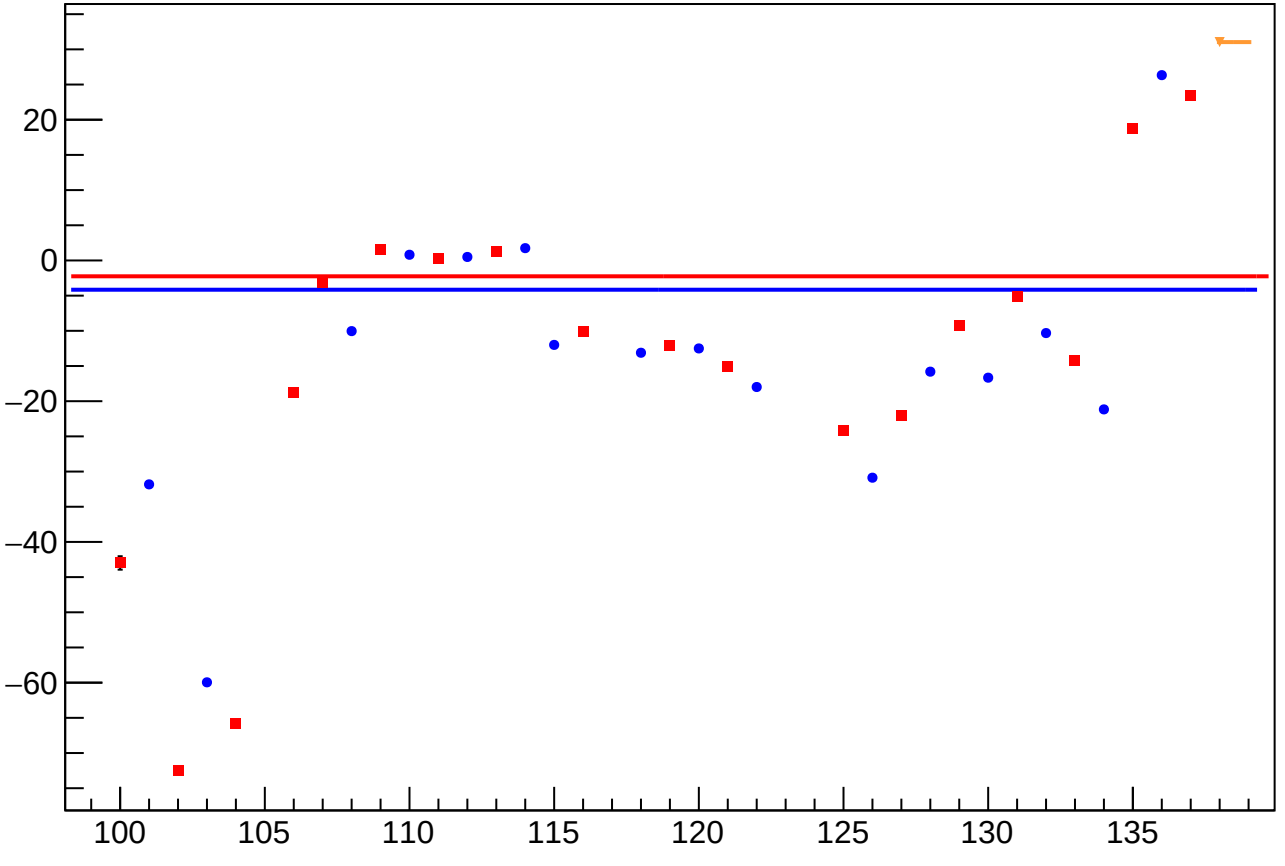
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.093+/-0.001 χ^2/NDF:11742.4/15

Out: -0.058+/-0.001 χ^2/NDF:14471.1/18

All: -0.073+/-0.001 χ^2/NDF: 26570.2/34

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: 31.033+/-0.202 χ^2/NDF:0.0/0

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 31.033+/-0.202 χ^2/NDF: 0.0/0

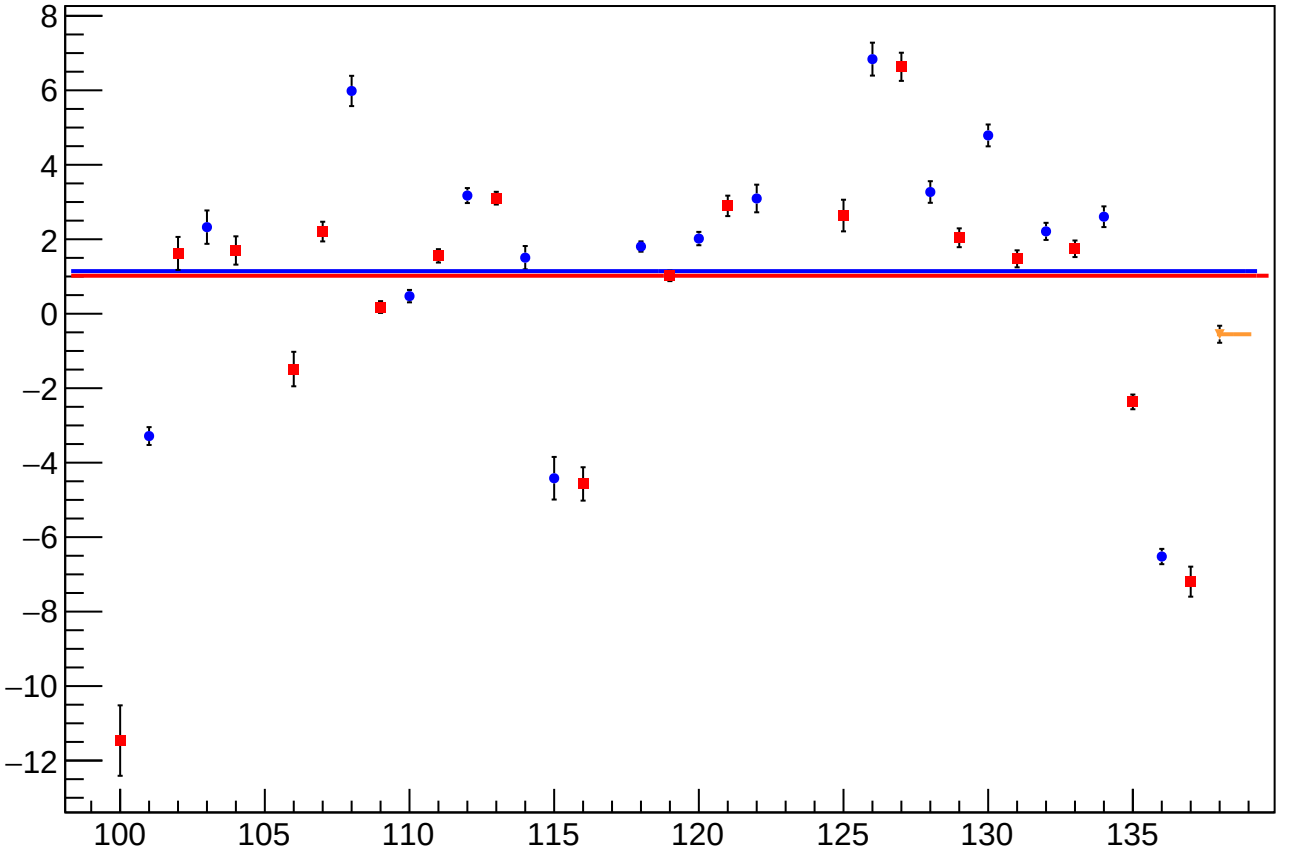
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: -4.159+/-0.054 χ^2/NDF:75420.4/15

Out: -0.605+/-0.045 χ^2/NDF:105573.1/18

All: -2.042+/-0.035 χ^2/NDF: 183537.3/34

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: -0.551+/-0.229 χ^2/NDF:0.0/0

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.551+/-0.229 χ^2/NDF: 0.0/0

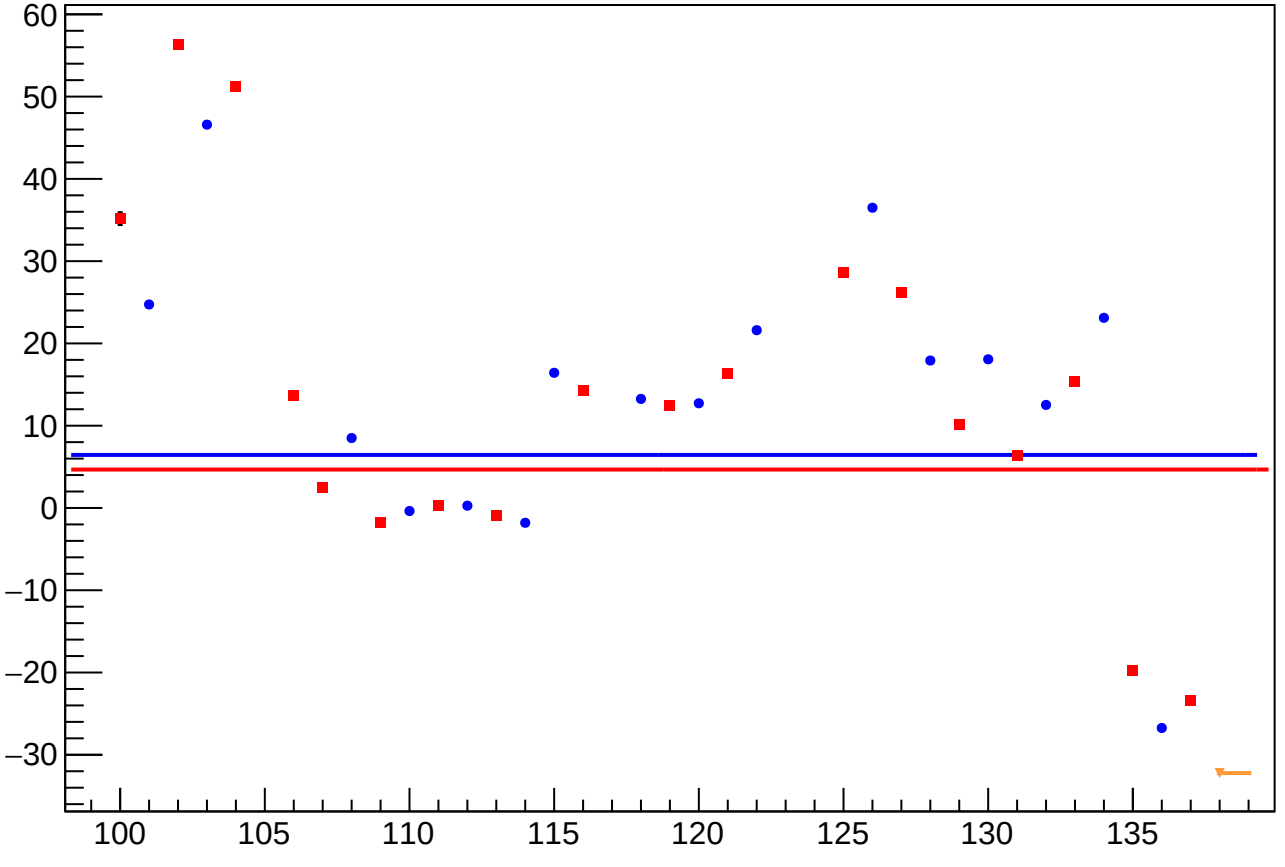
Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 1.144+/-0.060 χ^2/NDF:2595.3/15

Out: 0.928+/-0.055 χ^2/NDF:1635.7/18

All: 1.028+/-0.041 χ^2/NDF: 4237.9/34

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: -32.222+/-0.211 χ^2/NDF:0.0/0

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -32.222+/-0.211 χ^2/NDF: 0.0/0

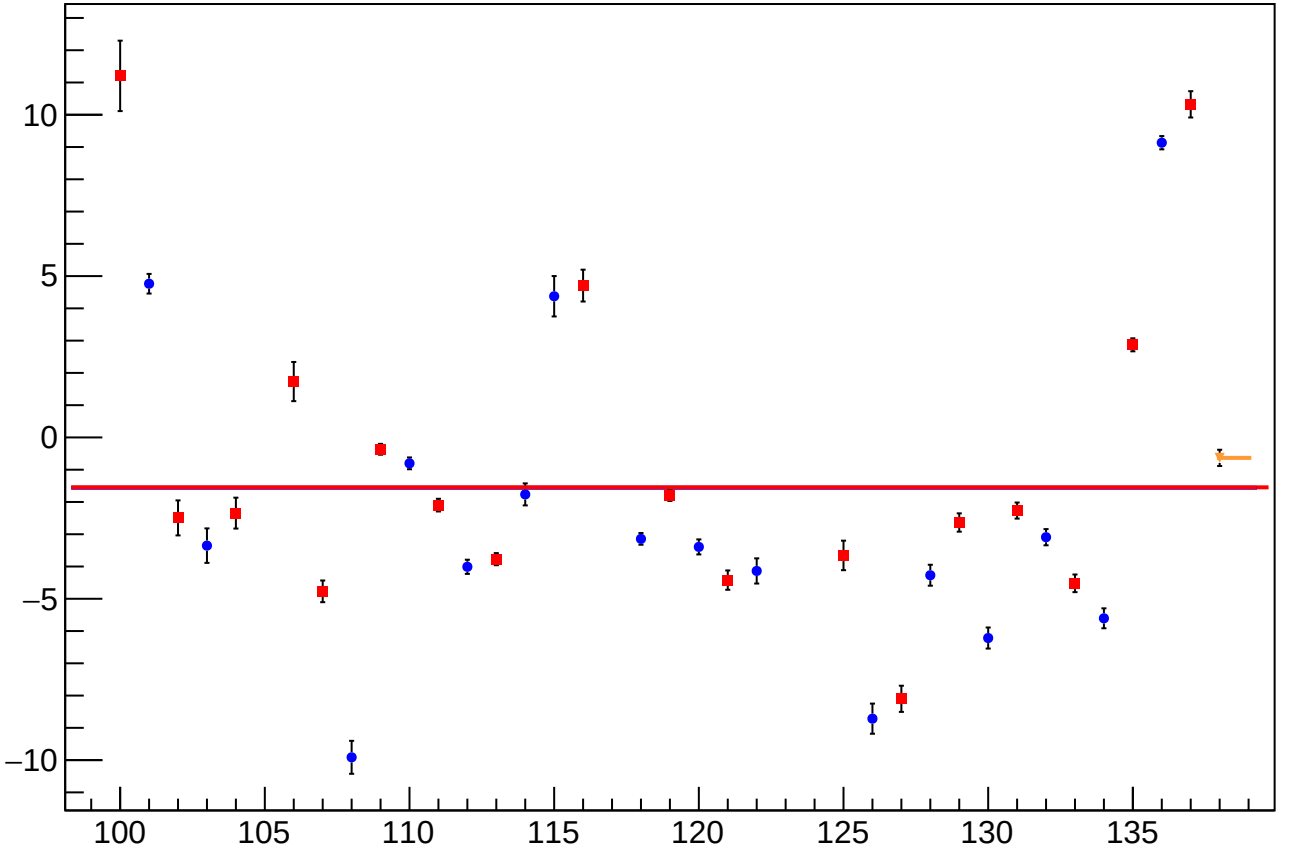
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: 6.448+/-0.065 χ^2/NDF:70815.1/15

Out: 1.987+/-0.057 χ^2/NDF:102857.8/18

All: 3.923+/-0.043 χ^2/NDF: 176348.0/34

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -0.634+/-0.252 χ^2/NDF:0.0/0

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

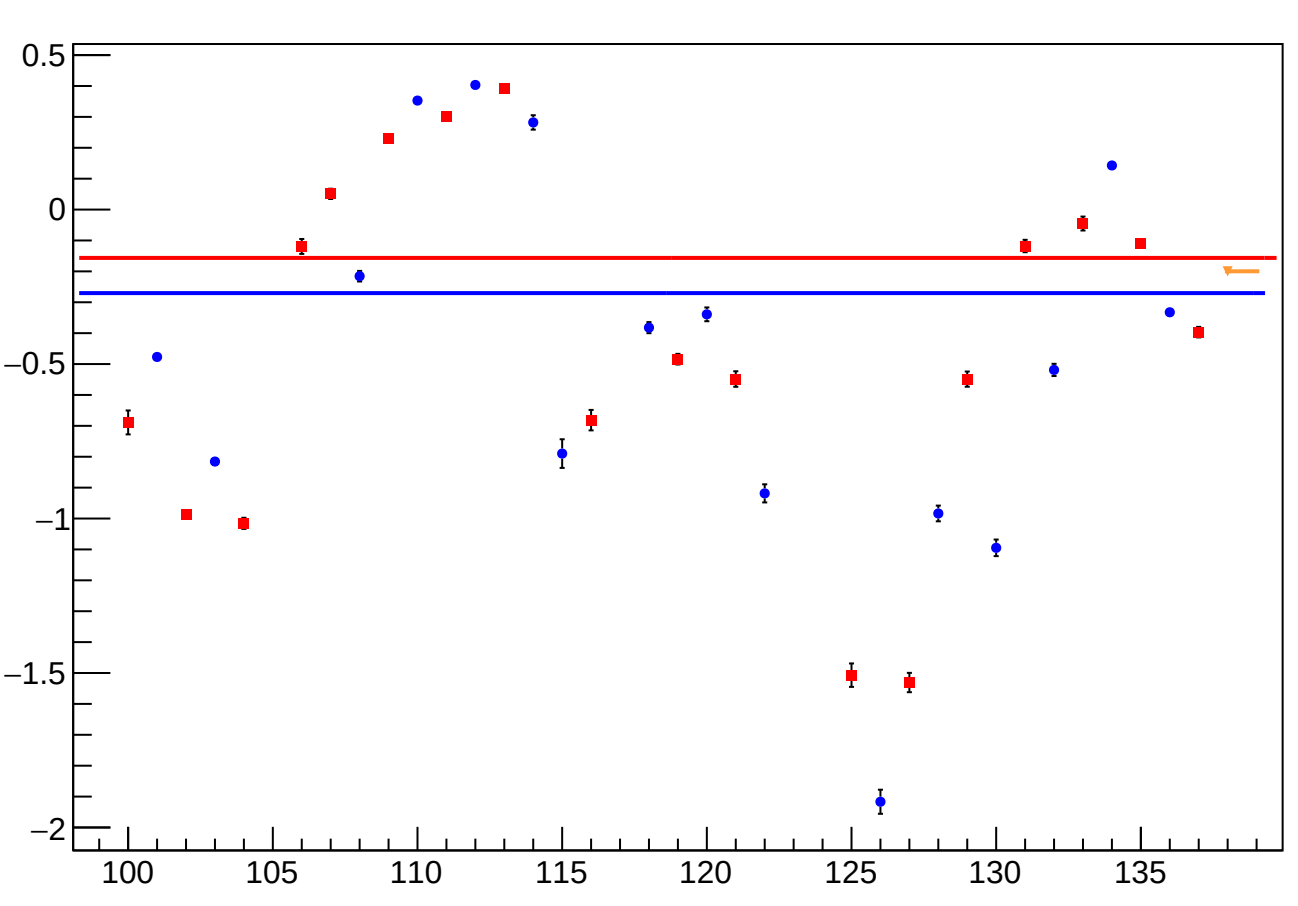
Left: -0.634+/-0.252 χ^2/NDF: 0.0/0

Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.558+/-0.069 χ^2/NDF:4543.1/15

Out: -1.491+/-0.062 χ^2/NDF:2482.4/18

All: -1.521+/-0.046 χ^2/NDF: 7026.0/34



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.200+/-0.008 χ^2/NDF:0.0/0

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

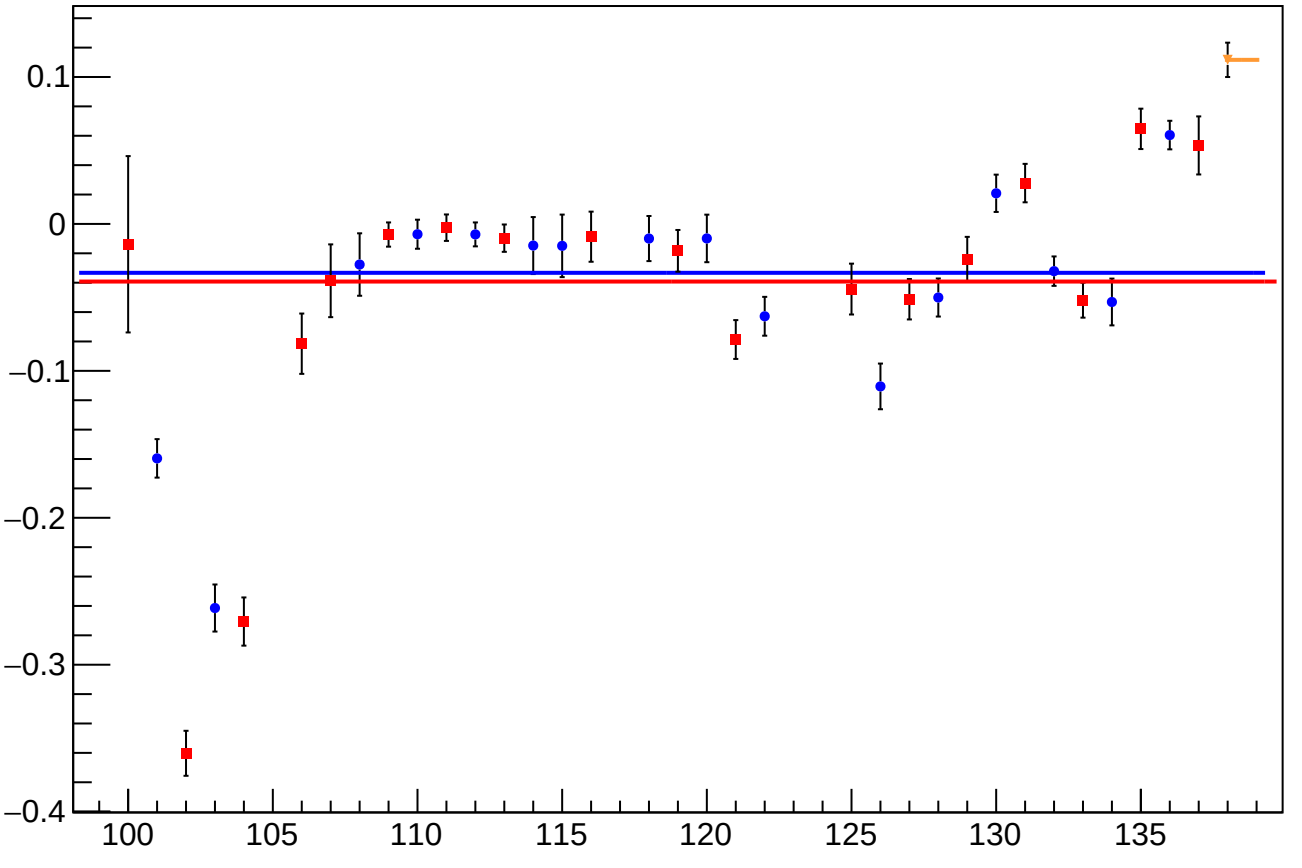
Left: -0.200+/-0.008 χ^2/NDF: 0.0/0

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.270+/-0.004 χ^2/NDF:12096.8/15

Out: -0.164+/-0.003 χ^2/NDF:15053.2/18

All: -0.207+/-0.003 χ^2/NDF: 27540.3/34



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.112+/-0.012 χ^2/NDF:0.0/0

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

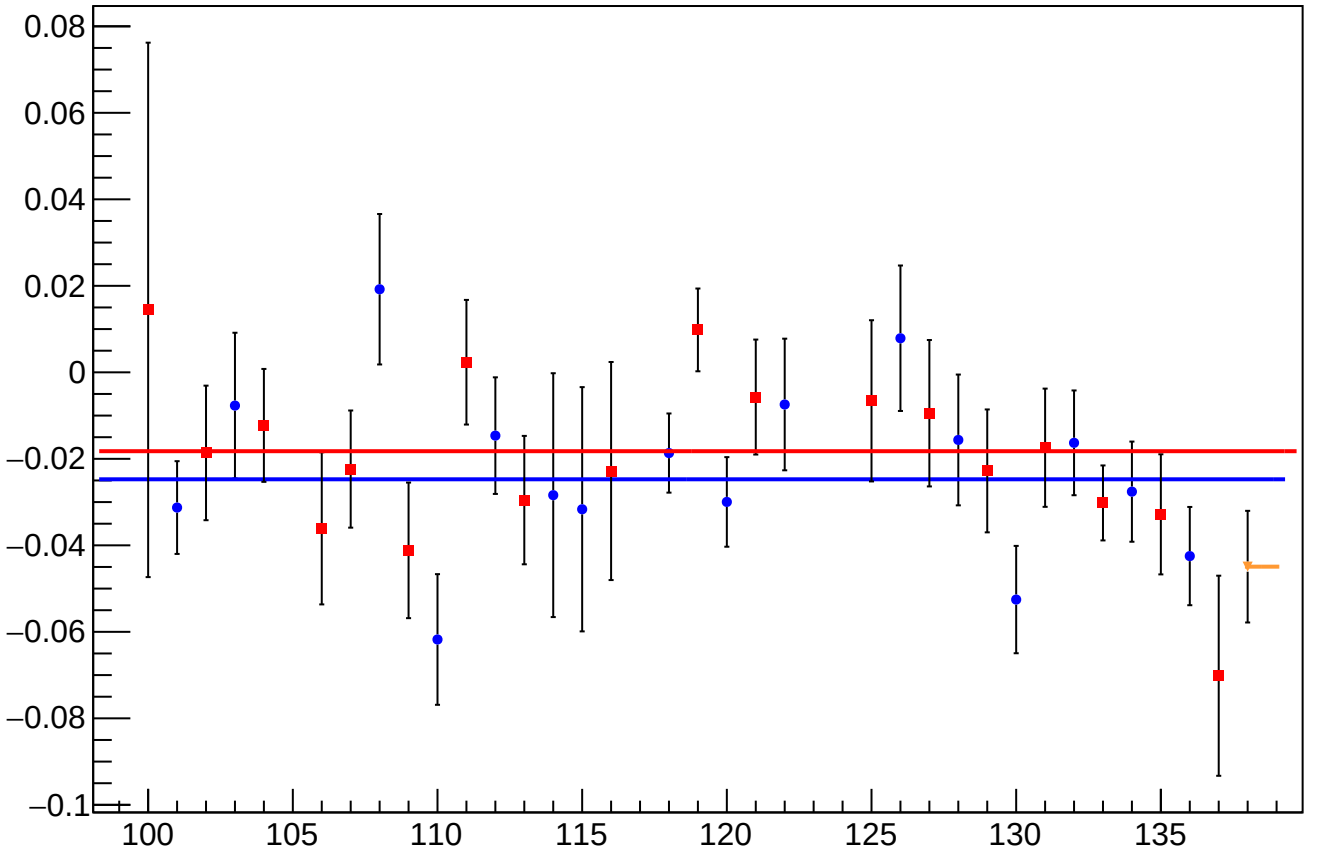
Left: 0.112+/-0.012 χ^2/NDF: 0.0/0

Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.033+/-0.003 χ^2/NDF:463.5/15

Out: -0.029+/-0.003 χ^2/NDF:962.7/18

All: -0.031+/-0.002 χ^2/NDF: 1427.2/34



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.045+/-0.013 χ^2/NDF:0.0/0

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.045+/-0.013 χ^2/NDF: 0.0/0

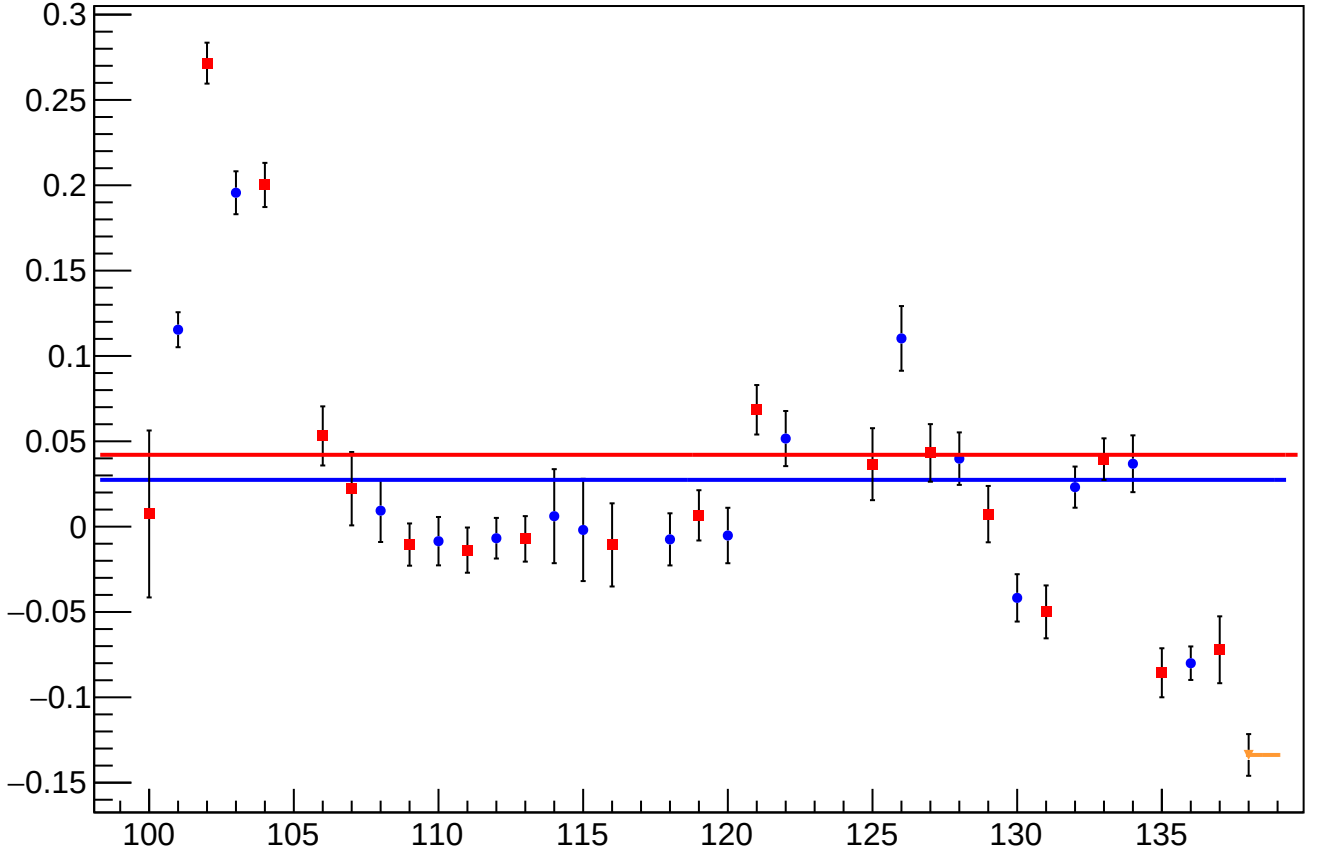
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.025+/-0.003 χ^2/NDF:28.5/15

Out: -0.020+/-0.003 χ^2/NDF:28.7/18

All: -0.022+/-0.002 χ^2/NDF: 58.3/34

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: -0.134+/-0.012 χ^2/NDF:0.0/0

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

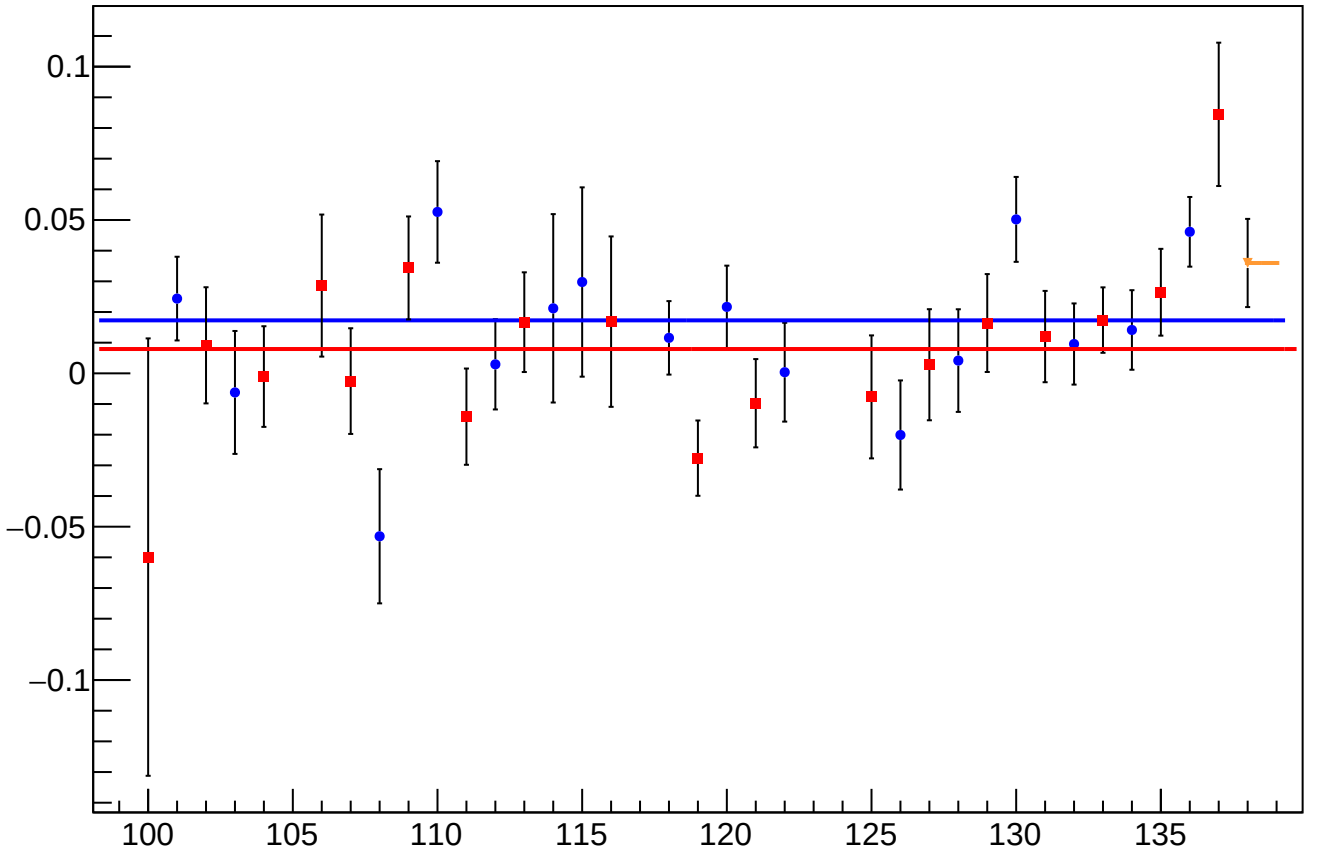
Left: -0.134+/-0.012 χ^2/NDF: 0.0/0

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: 0.027+/-0.004 χ^2/NDF:446.1/15

Out: 0.028+/-0.003 χ^2/NDF:923.5/18

All: 0.028+/-0.002 χ^2/NDF: 1369.6/34



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.036+/-0.014 χ^2/NDF:0.0/0

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

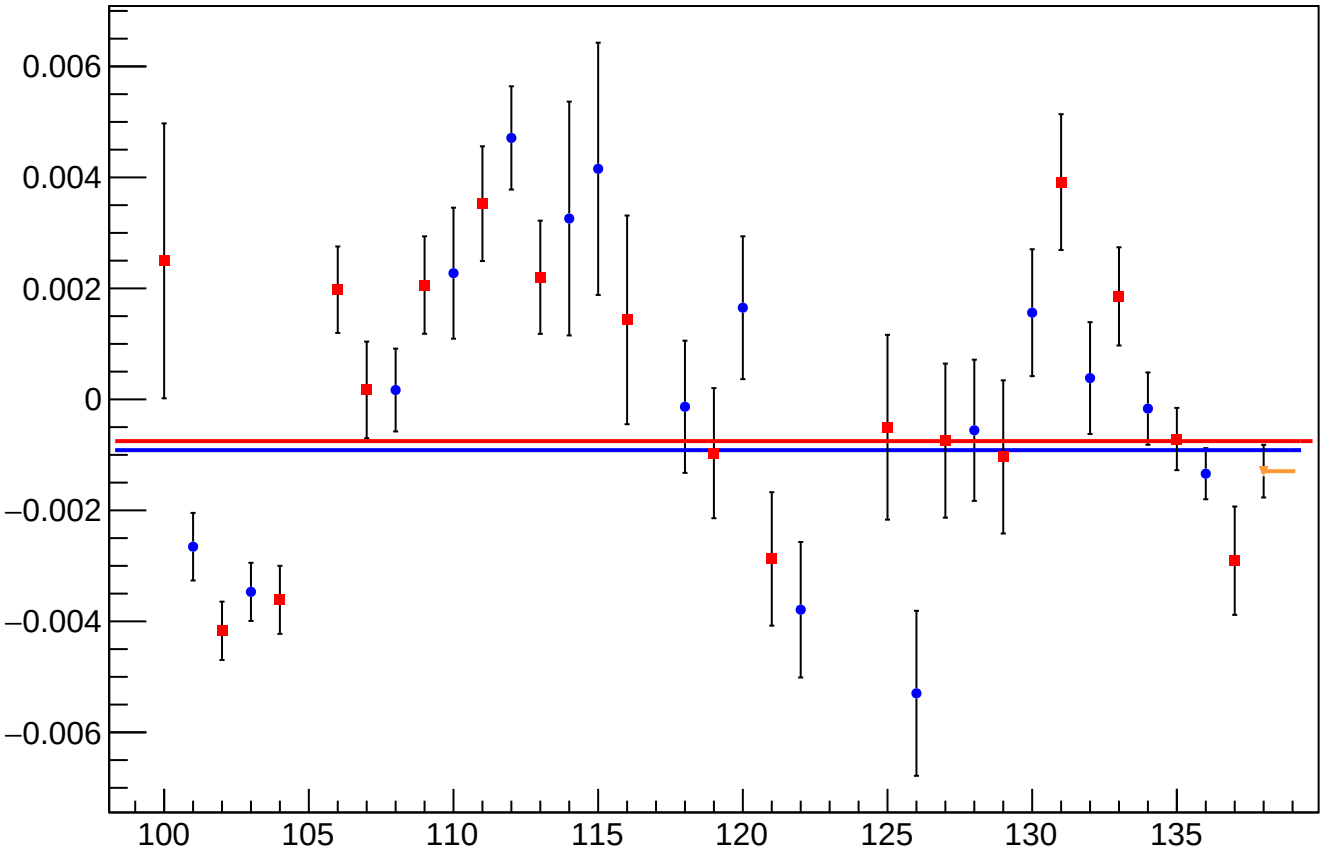
Left: 0.036+/-0.014 χ^2/NDF: 0.0/0

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.017+/-0.004 χ^2/NDF:36.7/15

Out: 0.010+/-0.004 χ^2/NDF:34.9/18

All: 0.013+/-0.003 χ^2/NDF: 73.5/34



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -0.001+/-0.000 χ^2/NDF: 0.0/0

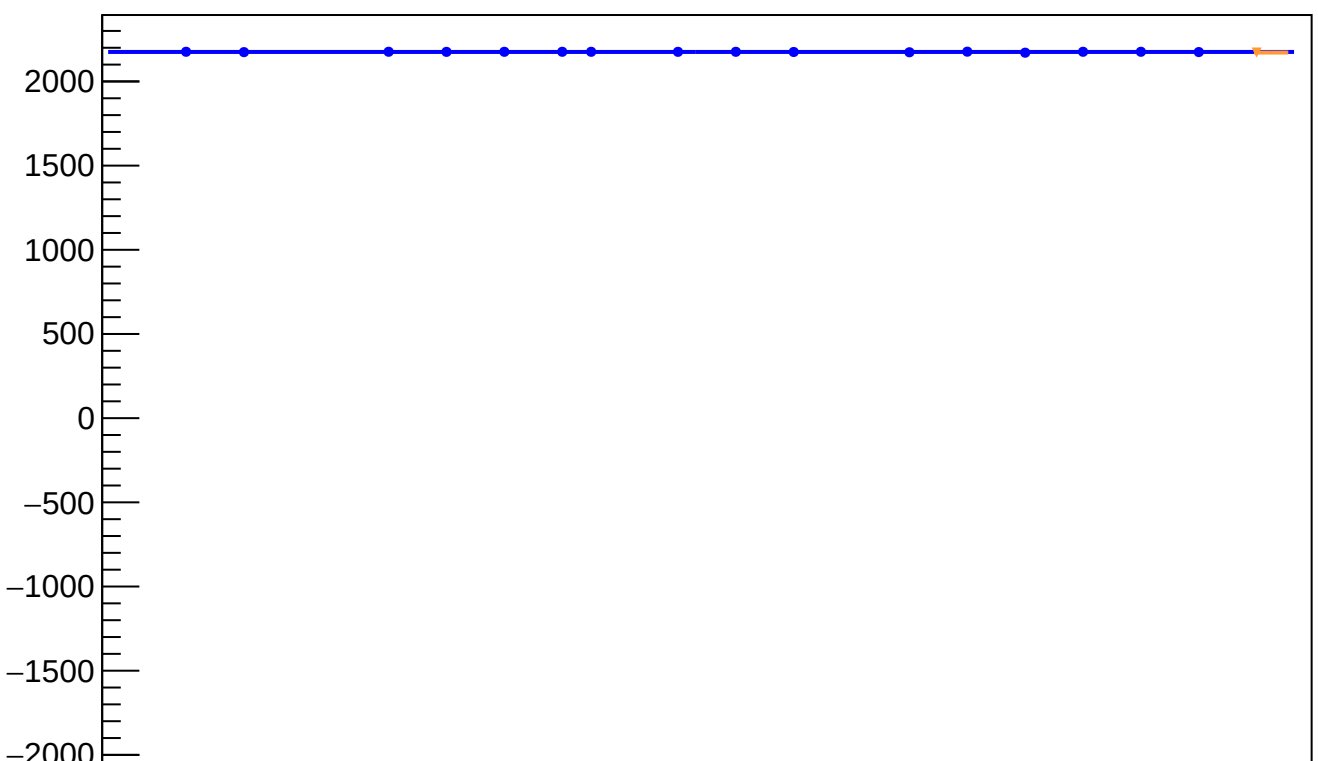
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:114.1/15

Out: -0.001+/-0.000 χ^2/NDF:148.7/18

All: -0.001+/-0.000 χ^2/NDF: 262.8/34

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2171.583+/-0.000 χ^2/NDF:0.0/0

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

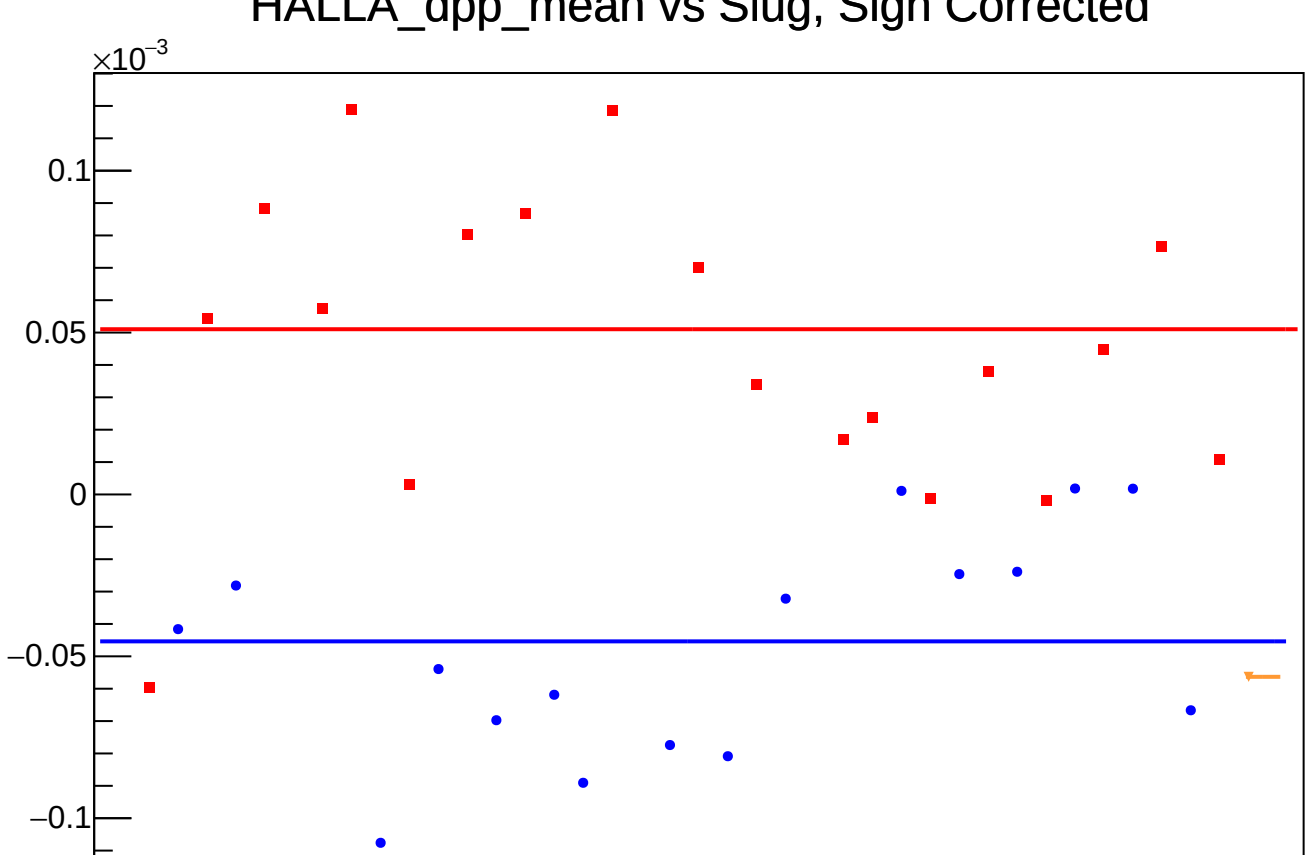
Left: 2171.583+/-0.000 χ^2/NDF: 0.0/0

Right: -31.373+/-0.000 χ^2/NDF: 711179104907611

In: 2175.201+/-0.000 χ^2/NDF:176572407292366

Out: -1757.240+/-0.000 χ^2/NDF:13830237412871

All: 81.207+/-0.000 χ^2/NDF: 7484796514518



Right In: -0.000+/-0.000 χ^2/NDF: 7131320813781223777239040.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/0

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: 0.0/0

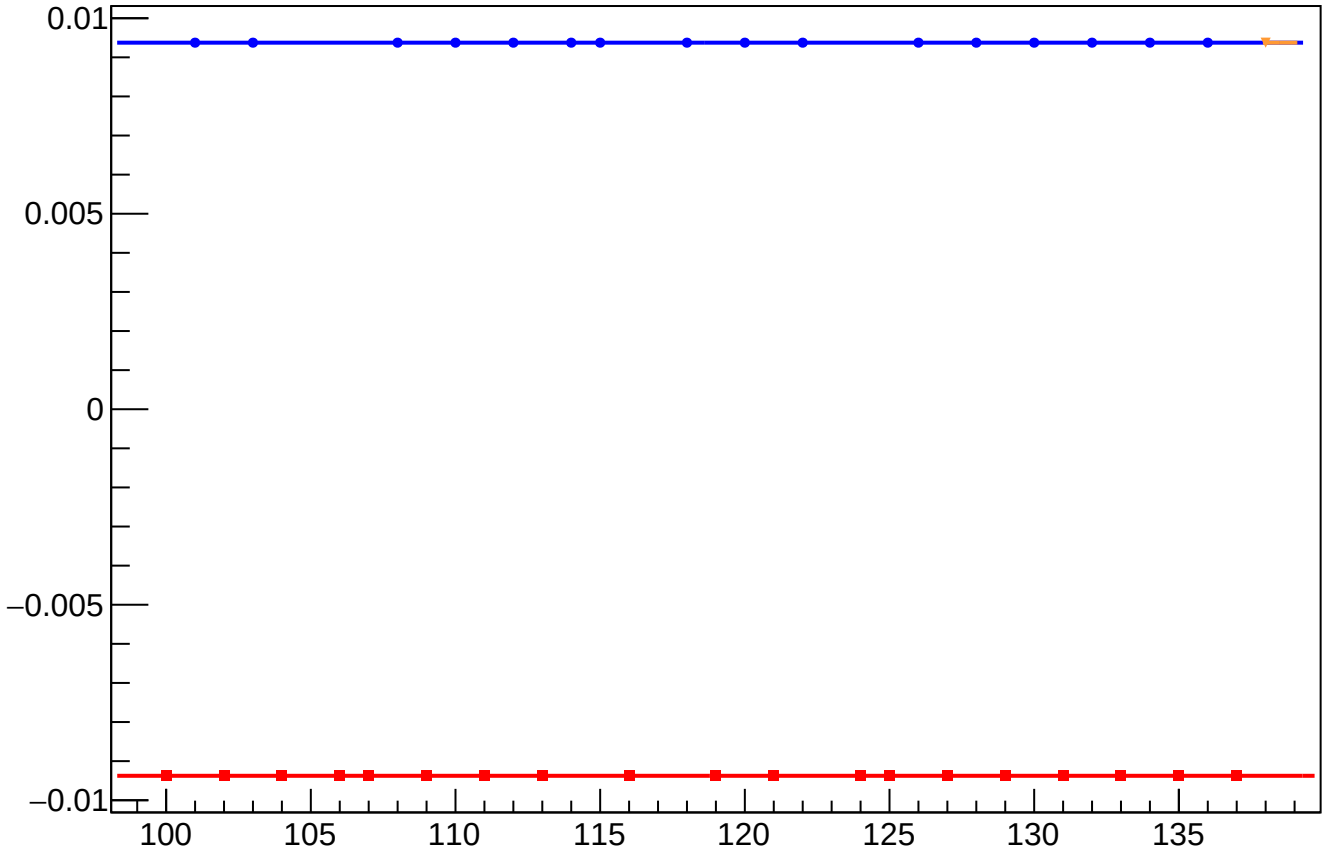
Right: 0.000+/-0.000 χ^2/NDF: 52193568733401849

In: -0.000+/-0.000 χ^2/NDF:713132081378122377

Out: 0.000+/-0.000 χ^2/NDF:185605931397997217

All: 0.000+/-0.000 χ^2/NDF: 54948071692177

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:0.0/0

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

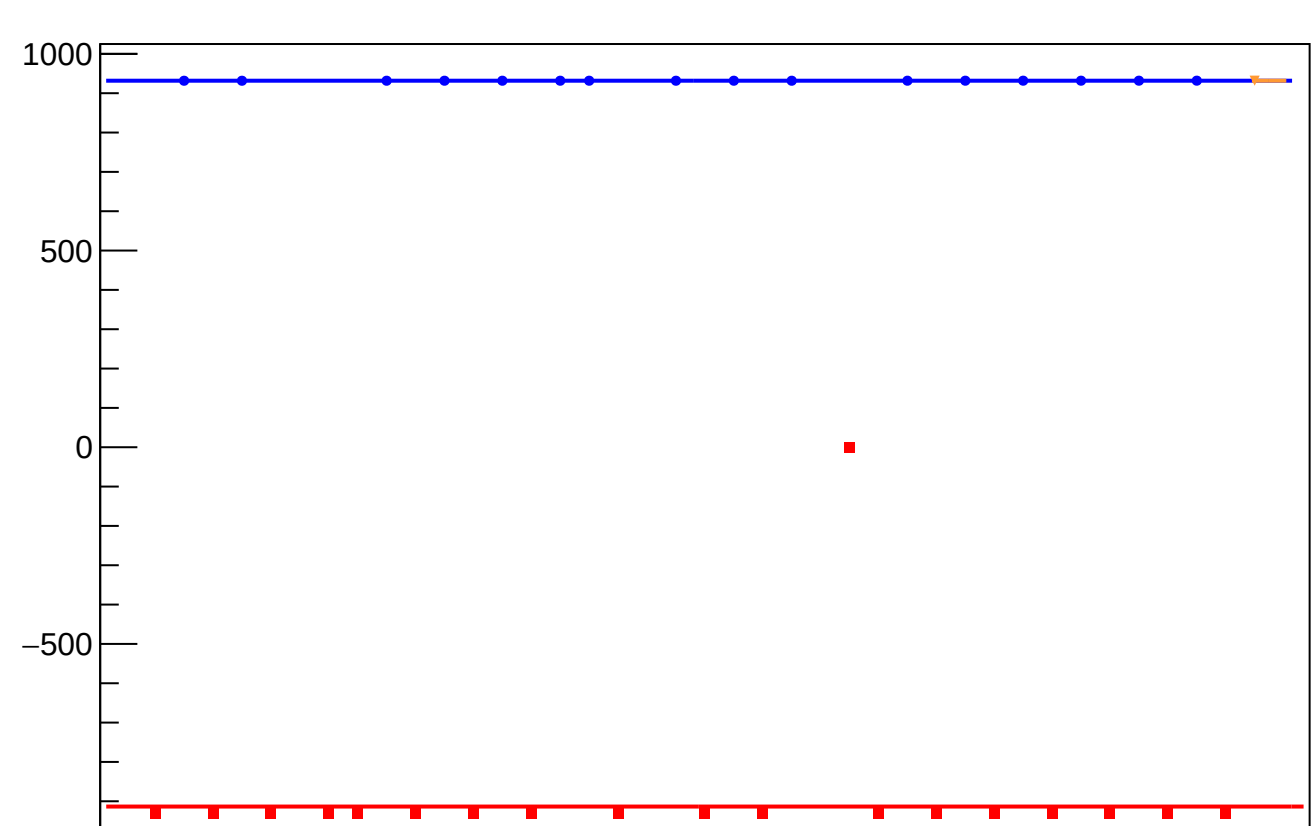
Left: 0.009+/-0.000 χ^2/NDF: 0.0/0

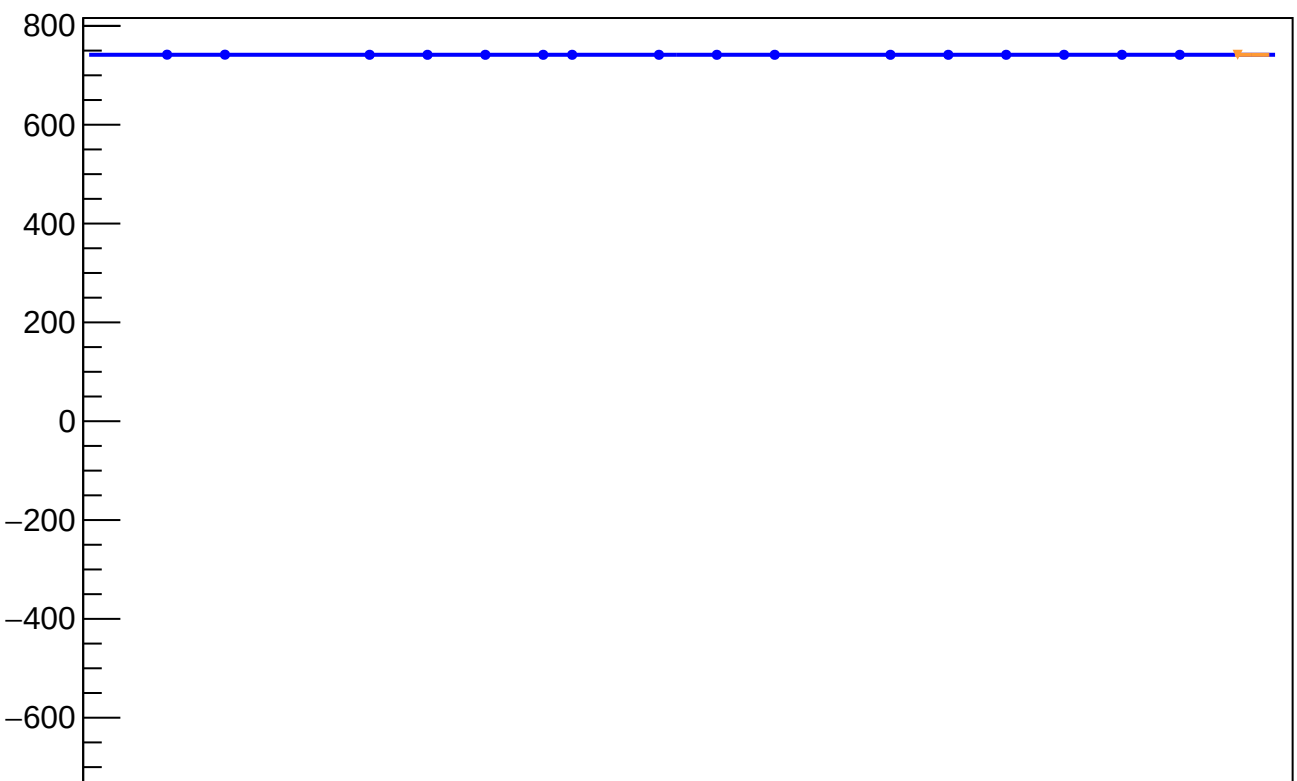
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.009+/-0.000 χ^2/NDF:0.1/15

Out: -0.008+/-0.000 χ^2/NDF:25743622260071049

All: 0.000+/-0.000 χ^2/NDF: 13911361395899


HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
105
110
115
120
125
130
135
Right In: 931.769+/-0.000 χ²/NDF: 2757217223595001187167685836800.0/15
Left Out: 931.862+/-0.000 χ²/NDF:0.0/0
Right Out: -913.447+/-0.000 χ²/NDF: 12765879635094435683491886518824337408.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 931.862+/-0.000 χ²/NDF: 0.0/0
Right: -4.335+/-0.000 χ²/NDF: 1292705120140630
In: 931.769+/-0.000 χ²/NDF:2757217223595001
Out: -736.350+/-0.000 χ²/NDF:262113622890917
All: 43.509+/-0.000 χ²/NDF: 1360070683277



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.519+/-0.000 χ^2/NDF:1046900.5/0

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

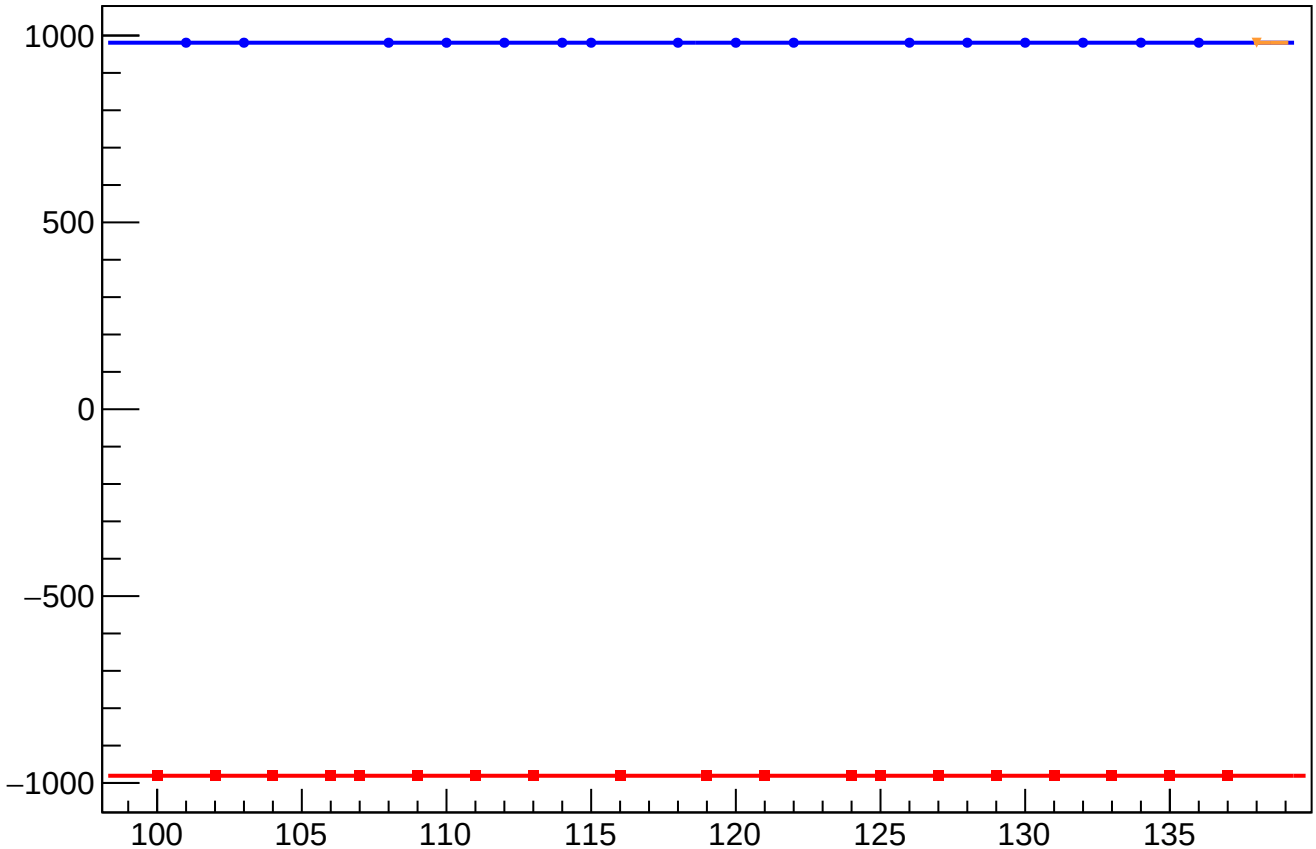
Left: 741.519+/-0.000 χ^2/NDF: 1046900.5/0

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

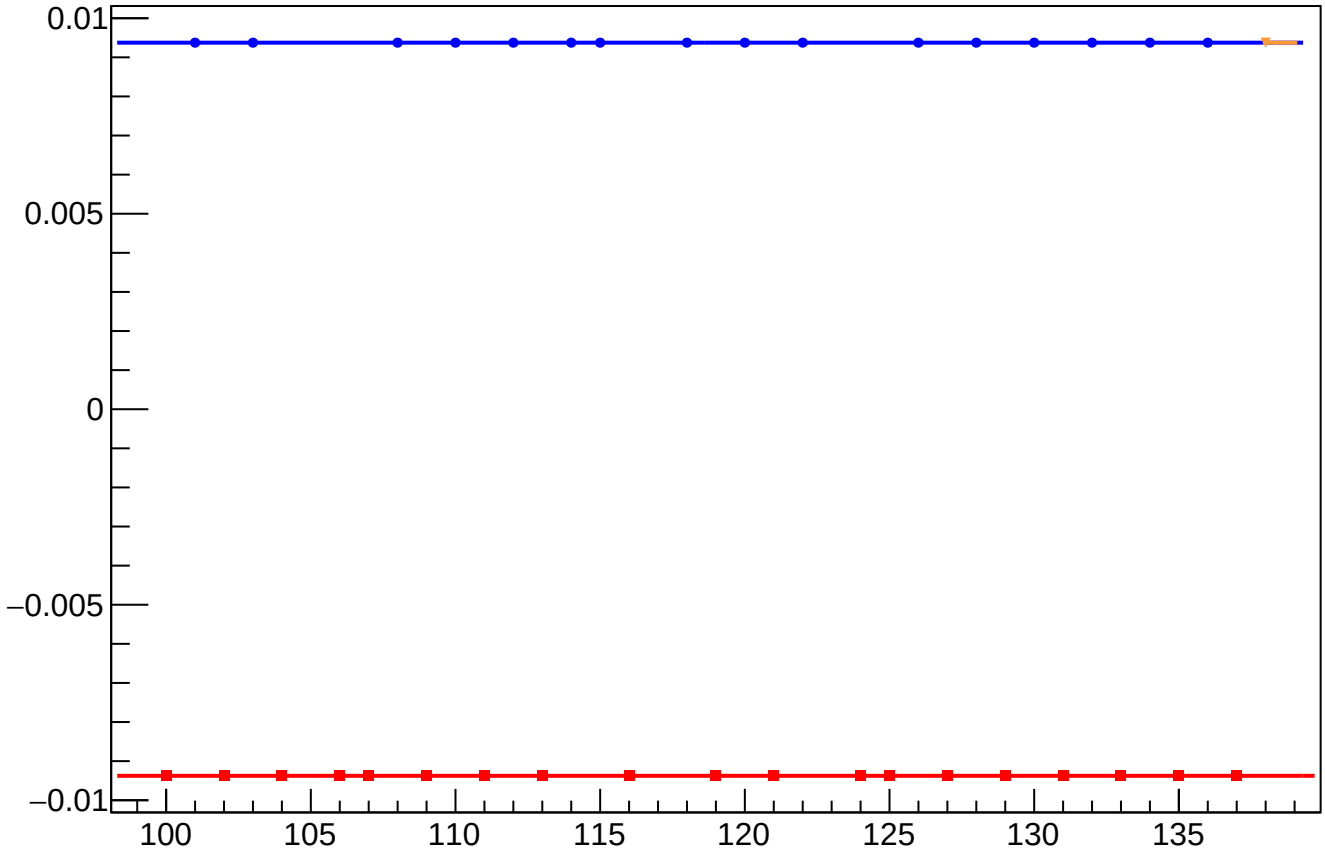
In: 741.569+/-0.000 χ^2/NDF:643295117612794 0

Out: -599.242+/-0.000 χ^2/NDF:161066679536217

All: 27.598+/-0.000 χ^2/NDF: 870425931297 2


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
105
110
115
120
125
130
135
Right In: 980.804+/-0.000 χ²/NDF: 933313276884807786774245933056.0/15
Left Out: 980.758+/-0.000 χ²/NDF:0.0/0
Right Out: -980.725+/-0.000 χ²/NDF: 560402056173583362216628762705920.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 980.758+/-0.000 χ²/NDF: 0.0/0
Right: -14.307+/-0.000 χ²/NDF: 1446386008808569
In: 980.804+/-0.000 χ²/NDF:93331327688480778
Out: -792.478+/-0.000 χ²/NDF:281732050848683
All: 36.545+/-0.000 χ²/NDF: 1522489820571

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:0.0/0

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

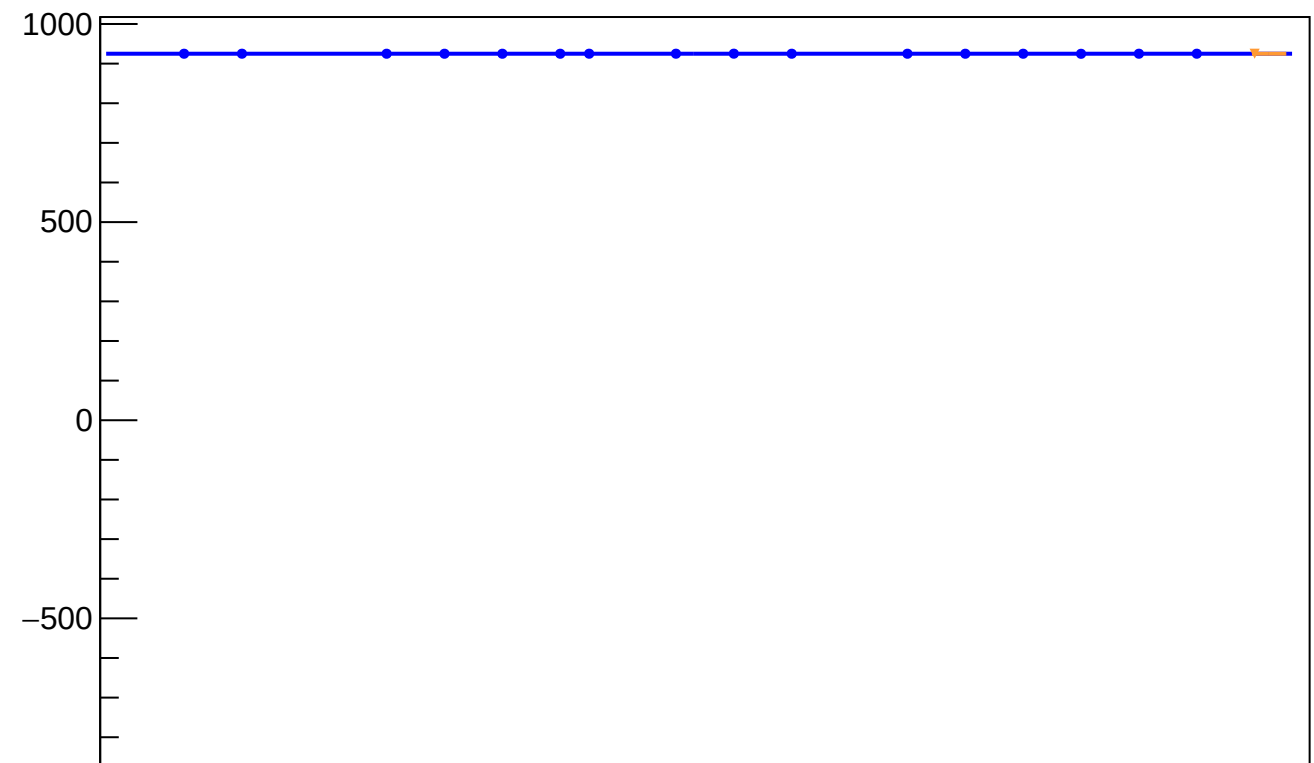
Left: 0.009+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.009+/-0.000 χ^2/NDF:0.1/15

Out: -0.008+/-0.000 χ^2/NDF:25743622260071049

All: 0.000+/-0.000 χ^2/NDF: 13911361395899



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.958+/-0.000 χ^2/NDF:1046900.5/0

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

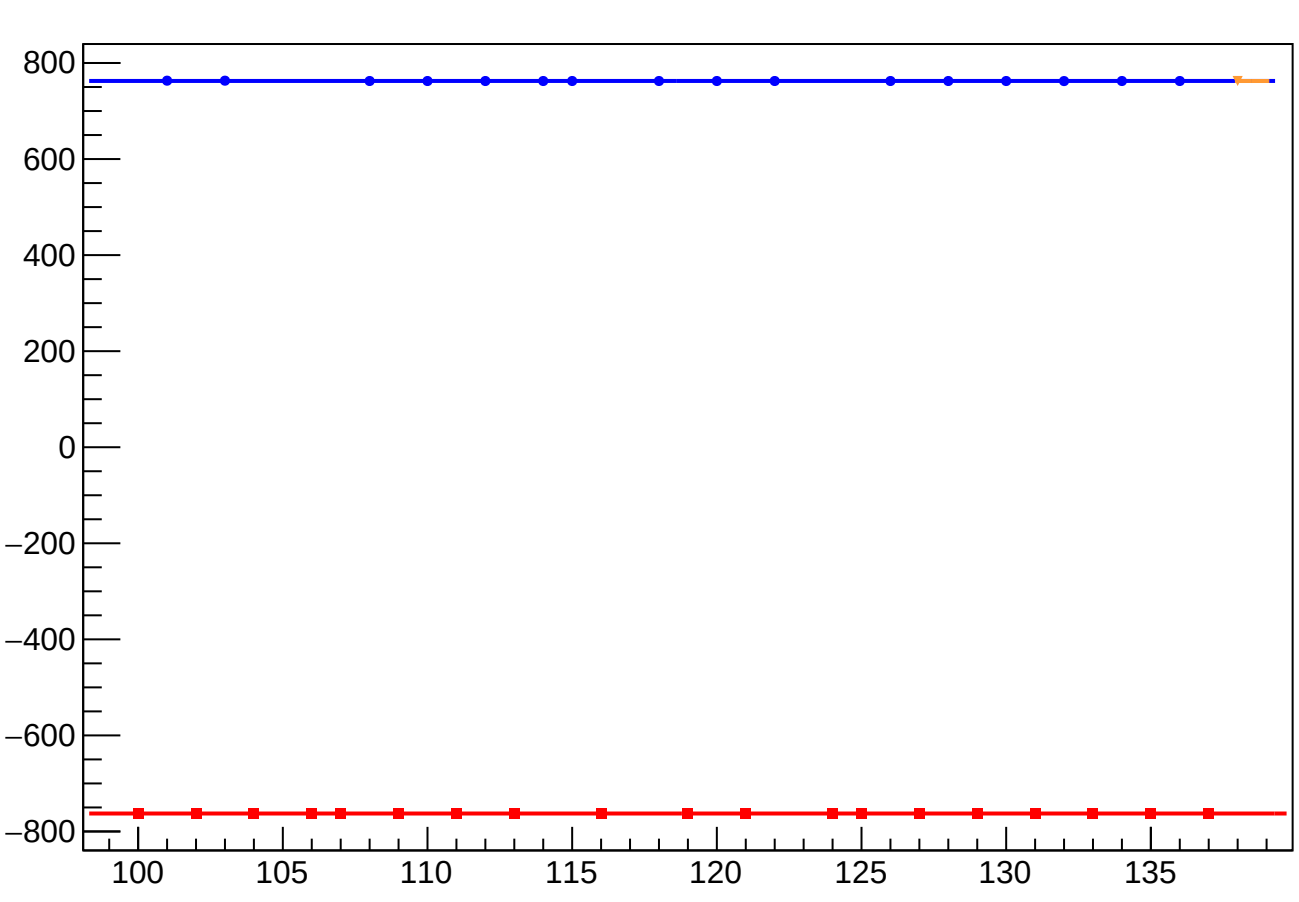
Left: 924.958+/-0.000 χ^2/NDF: 1046900.5/0

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: 924.966+/-0.000 χ^2/NDF:2544370508087658

Out: -747.433+/-0.000 χ^2/NDF:250598483819251

All: 34.427+/-0.000 χ^2/NDF: 1354197769409



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.501+/-0.000 χ^2/NDF:1046900.5/0

Right Out: -762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

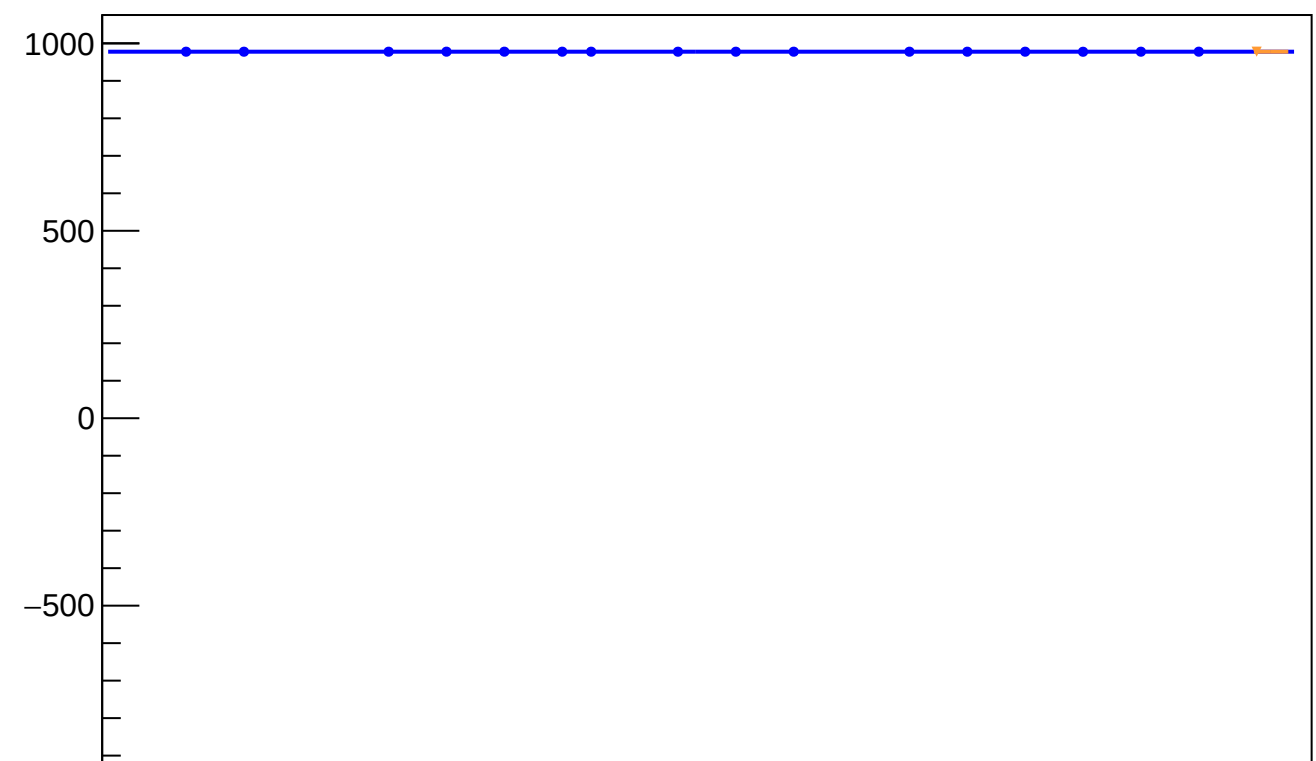
Left: 762.501+/-0.000 χ^2/NDF: 1046900.5/0

Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

In: 762.611+/-0.000 χ^2/NDF:52161453489138778

Out: -616.250+/-0.000 χ^2/NDF:170323519082358

All: 28.378+/-0.000 χ^2/NDF: 9205151214960



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.822+/-0.000 χ^2/NDF:0.0/0

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 977.822+/-0.000 χ^2/NDF: 0.0/0

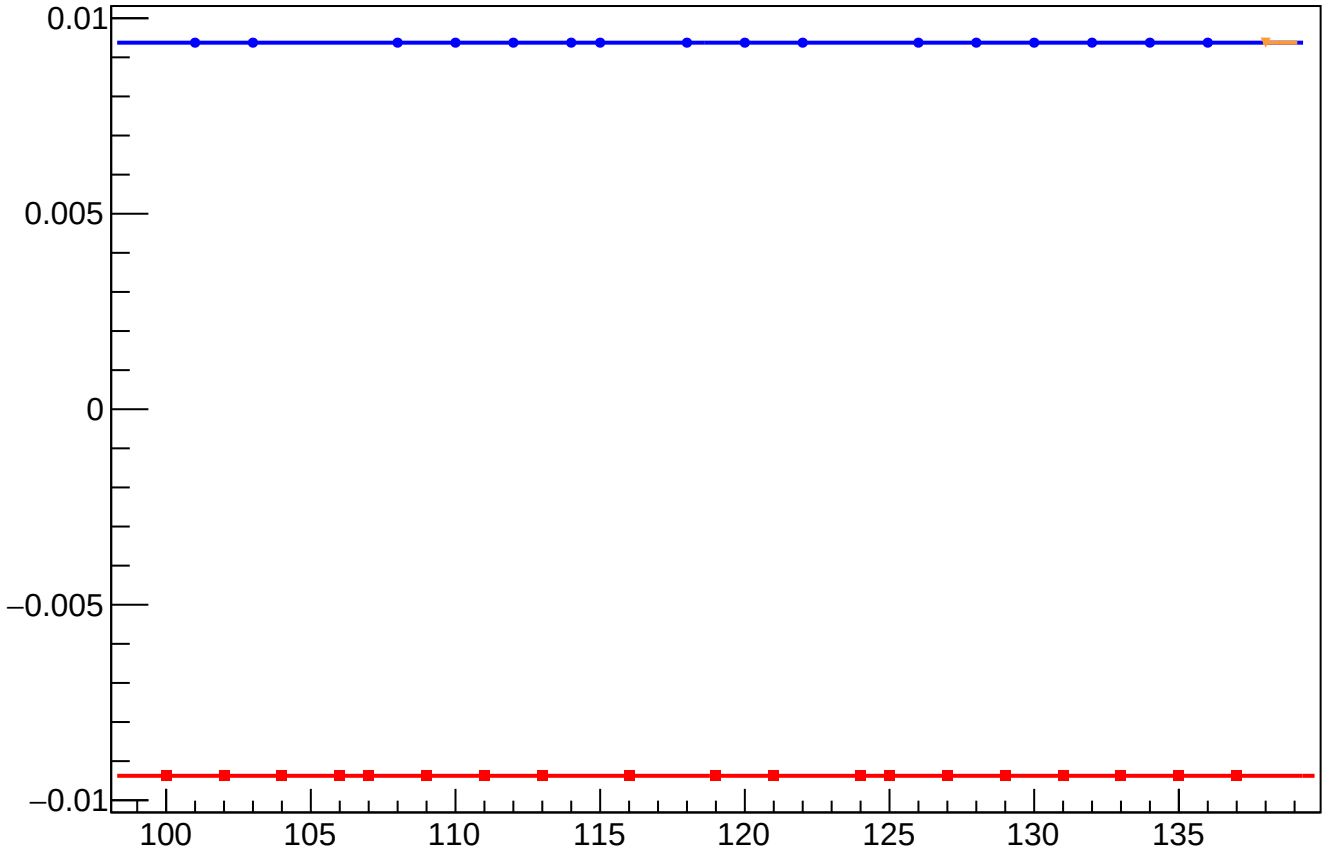
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: 977.749+/-0.000 χ^2/NDF:19595783310723160

Out: -790.068+/-0.000 χ^2/NDF:280035762294503

All: 36.400+/-0.000 χ^2/NDF: 151315827593

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:0.0/0

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

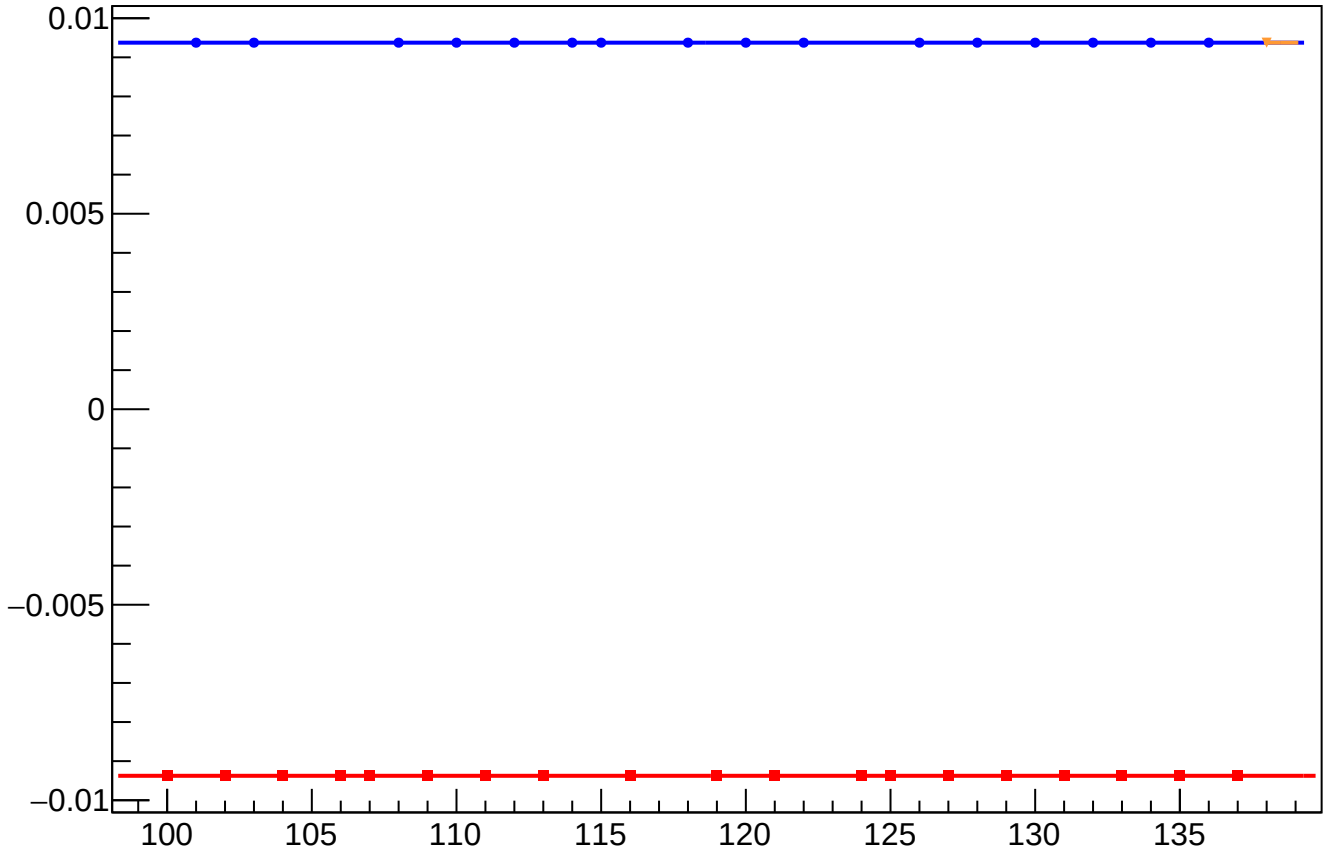
Left: 0.009+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.009+/-0.000 χ^2/NDF:0.1/15

Out: -0.008+/-0.000 χ^2/NDF:25743622260071049

All: 0.000+/-0.000 χ^2/NDF: 13911361395899



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.009+/-0.000 χ^2/NDF: 0.0/0

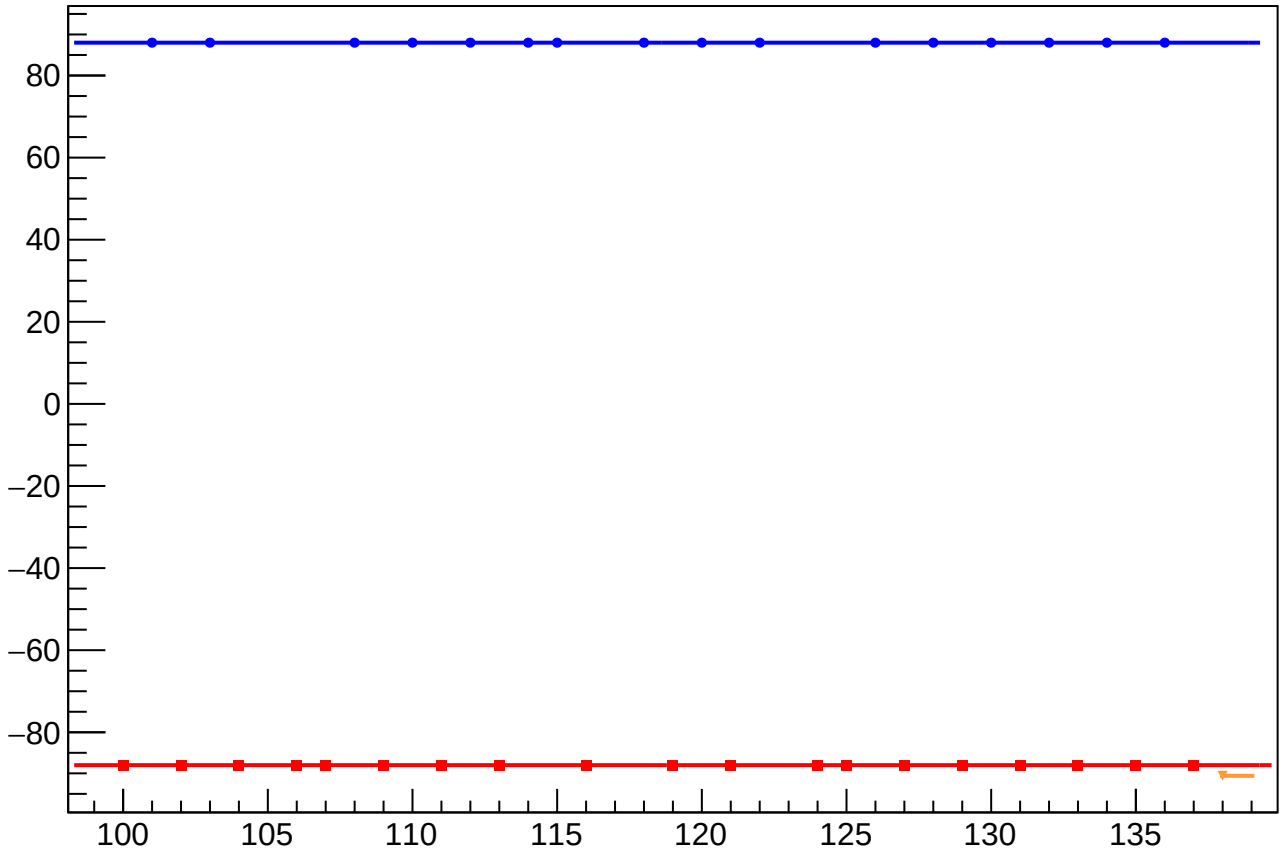
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.009+/-0.000 χ^2/NDF:0.1/15

Out: -0.008+/-0.000 χ^2/NDF:25743622260071049

All: 0.000+/-0.000 χ^2/NDF: 13911361395899

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:0.0/0

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: -90.599+/-0.000 χ^2/NDF: 0.0/0

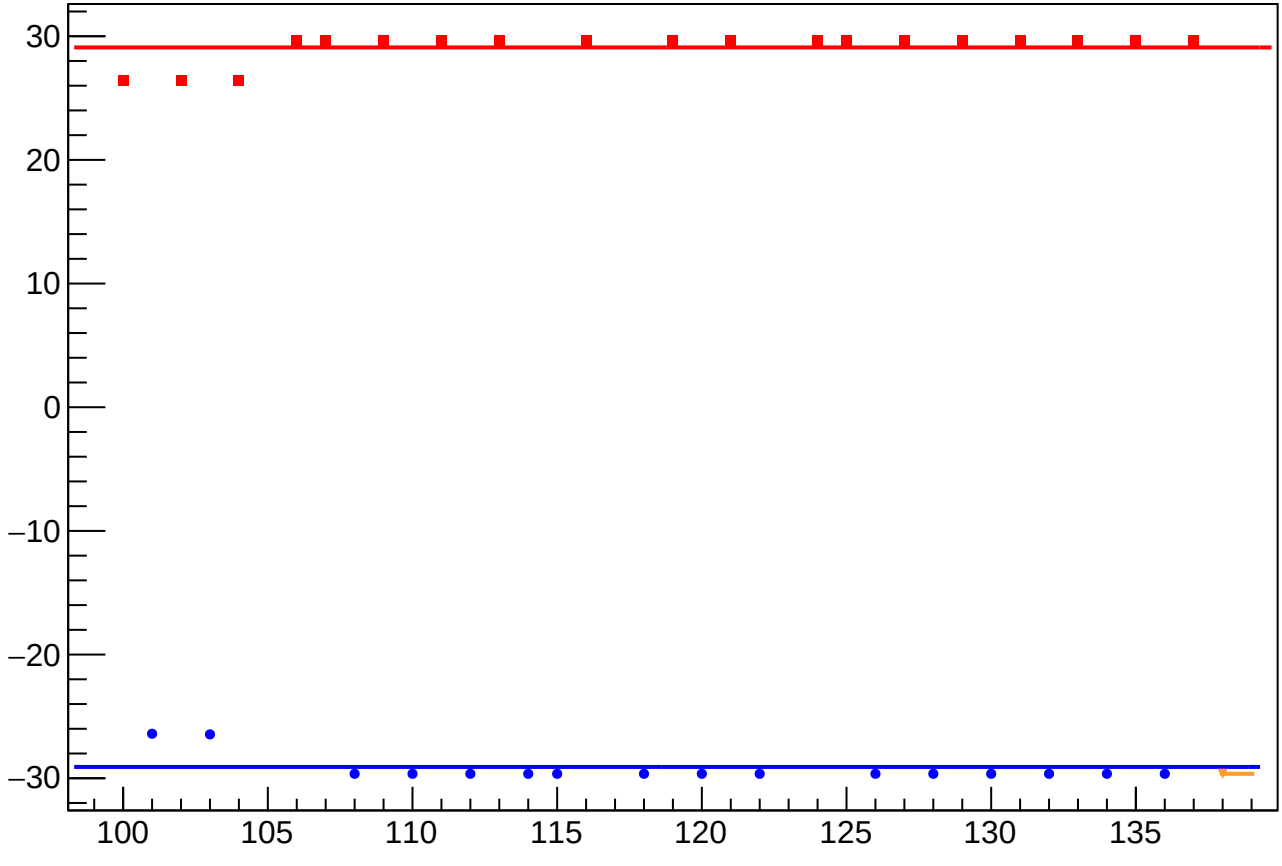
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 88.001+/-0.000 χ^2/NDF:1500072.7/15

Out: -88.253+/-0.000 χ^2/NDF:4935193274213205

All: -5.853+/-0.000 χ^2/NDF: 1225809828790

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:0.0/0

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

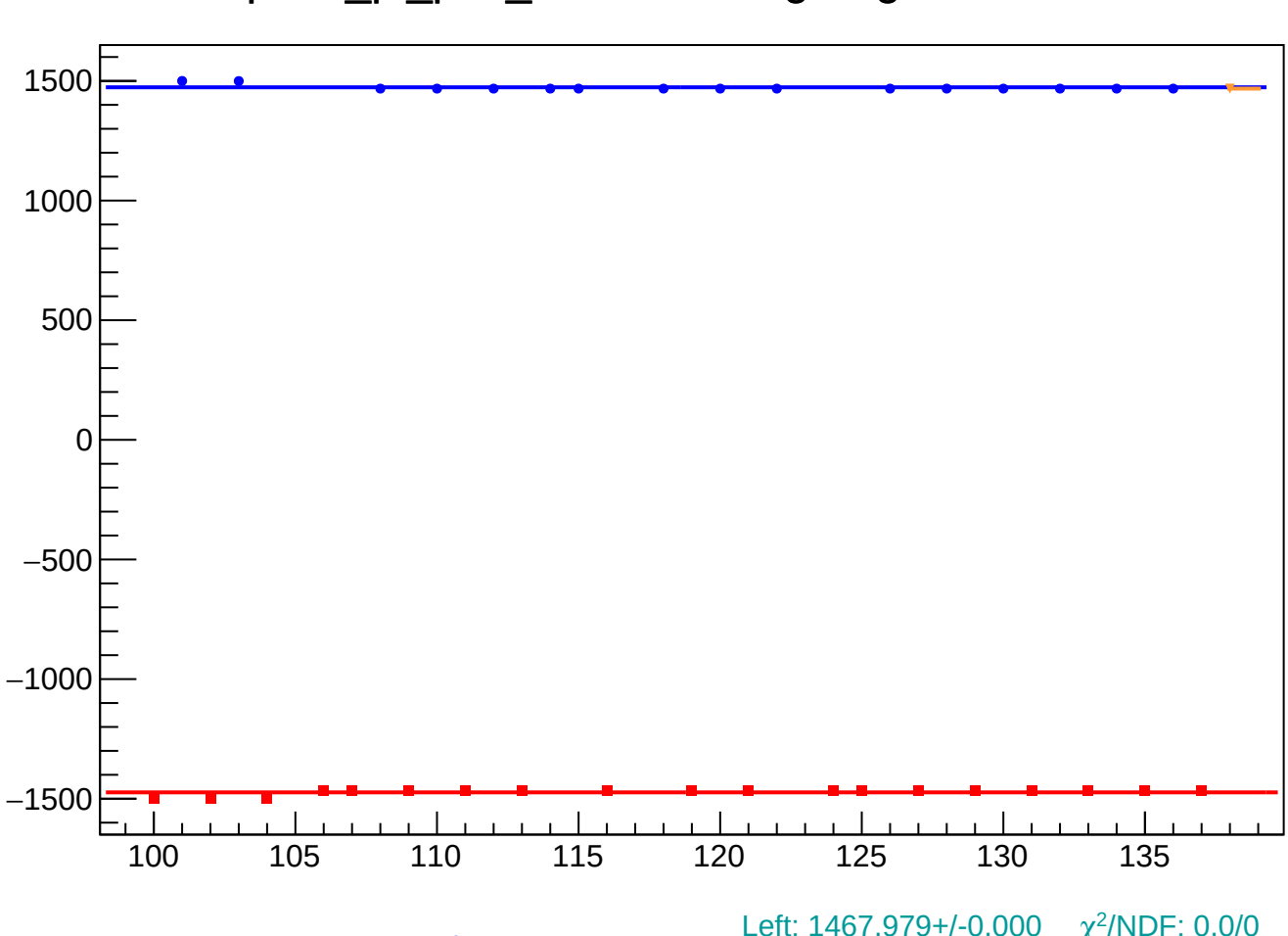
Left: -29.641+/-0.000 χ^2/NDF: 0.0/0

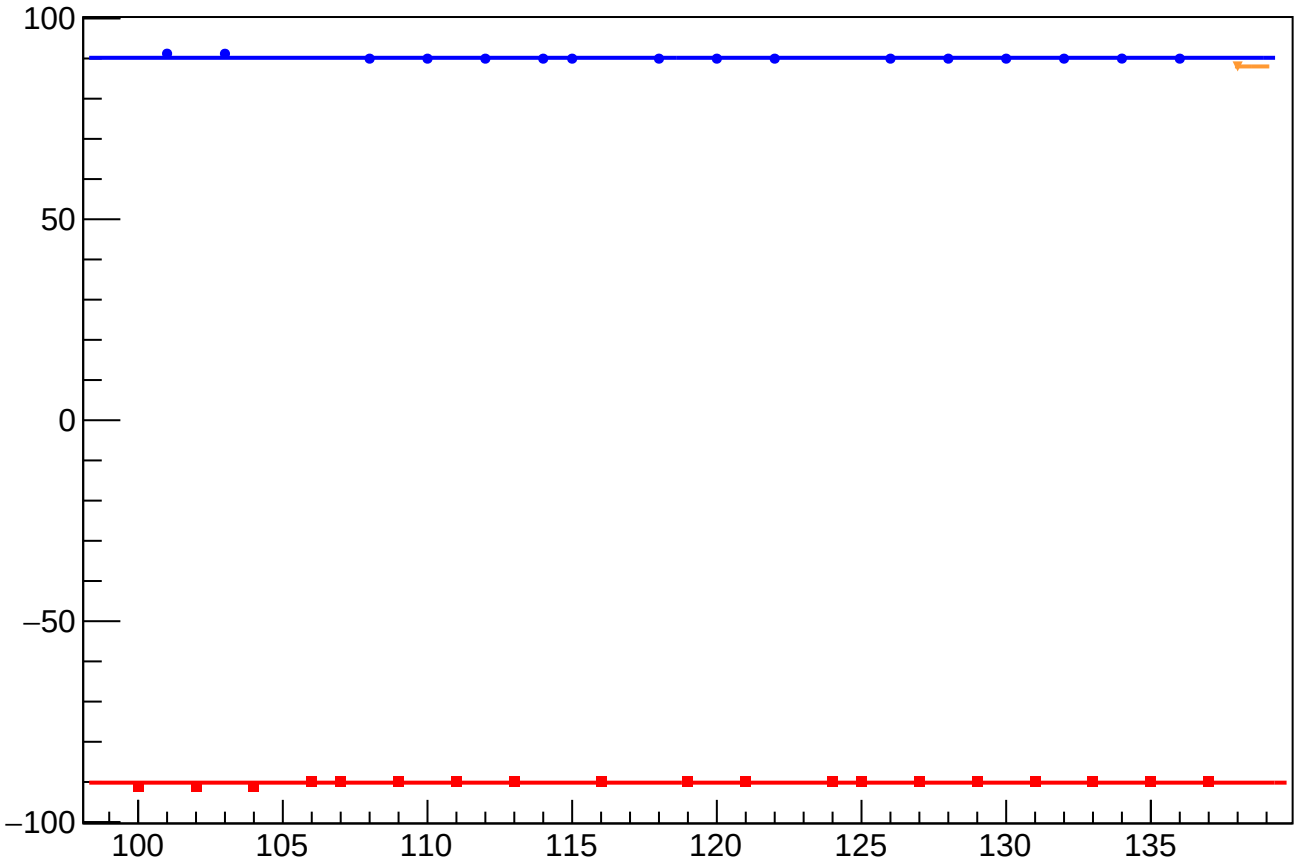
Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

In: -29.085+/-0.000 χ^2/NDF:109436788525160 98

Out: 23.456+/-0.000 χ^2/NDF:253729495588246 25

All: -1.107+/-0.000 χ^2/NDF: 134409830975 4


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
105
110
115
120
125
130
135
Right In: 1473.467+/-0.000 χ²/NDF: 1068941948607061768784857937047715840/15
Left Out: 1467.979+/-0.000 χ²/NDF:0.0/0
Right Out: -1473.393+/-0.000 χ²/NDF: 109909499733401078761067843300622336.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 1467.979+/-0.000 χ²/NDF: 0.0/0
Right: -21.516+/-0.000 χ²/NDF: 326469738591460
In: 1473.467+/-0.000 χ²/NDF:1068941948607061
Out: -1191.105+/-0.000 χ²/NDF:63363985333183
All: 54.604+/-0.000 χ²/NDF: 343521988008



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:0.0/0

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 88.021+/-0.000 χ^2/NDF: 0.0/0

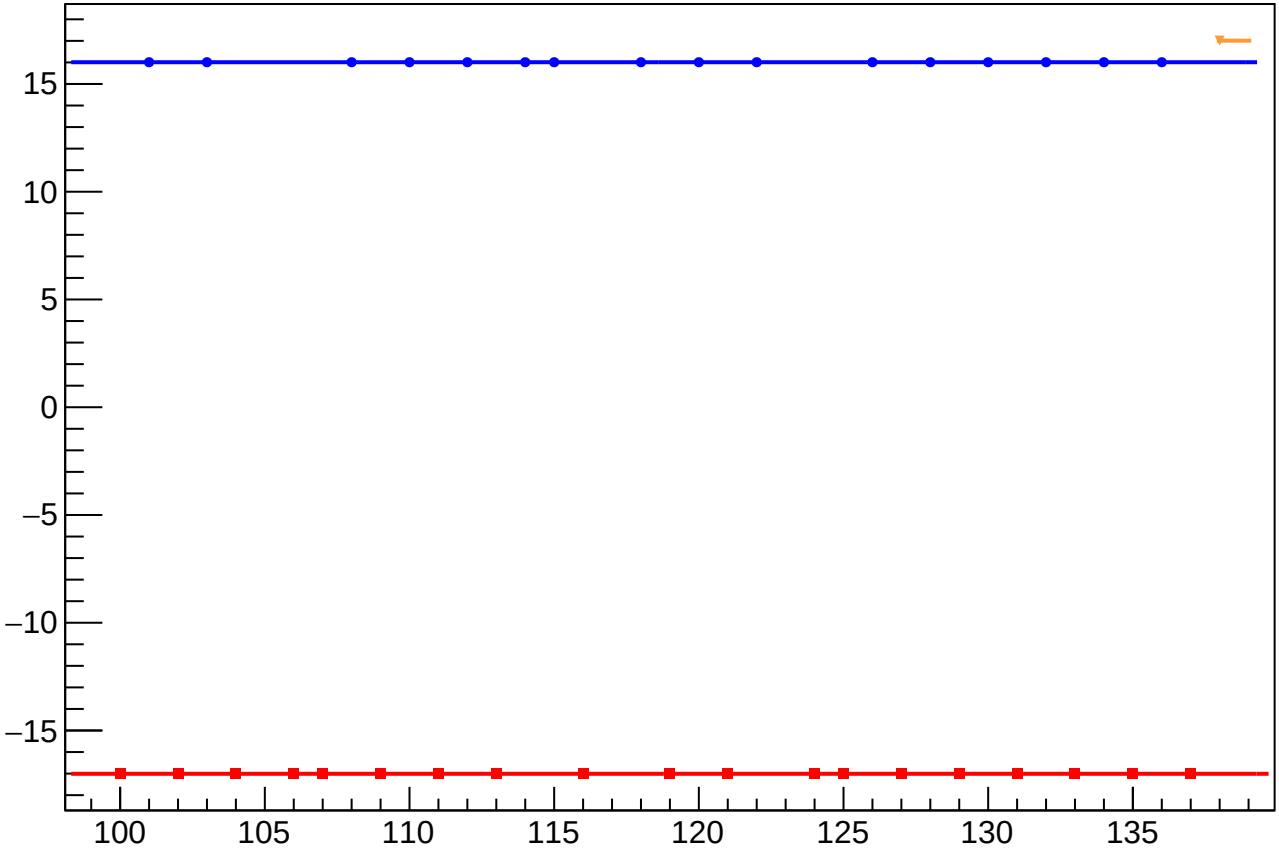
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 90.173+/-0.000 χ^2/NDF:160010492173064584

Out: -73.068+/-0.000 χ^2/NDF:2325213445718954

All: 3.248+/-0.000 χ^2/NDF: 12839847319071

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:0.0/0

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 17.009+/-0.000 χ^2/NDF: 0.0/0

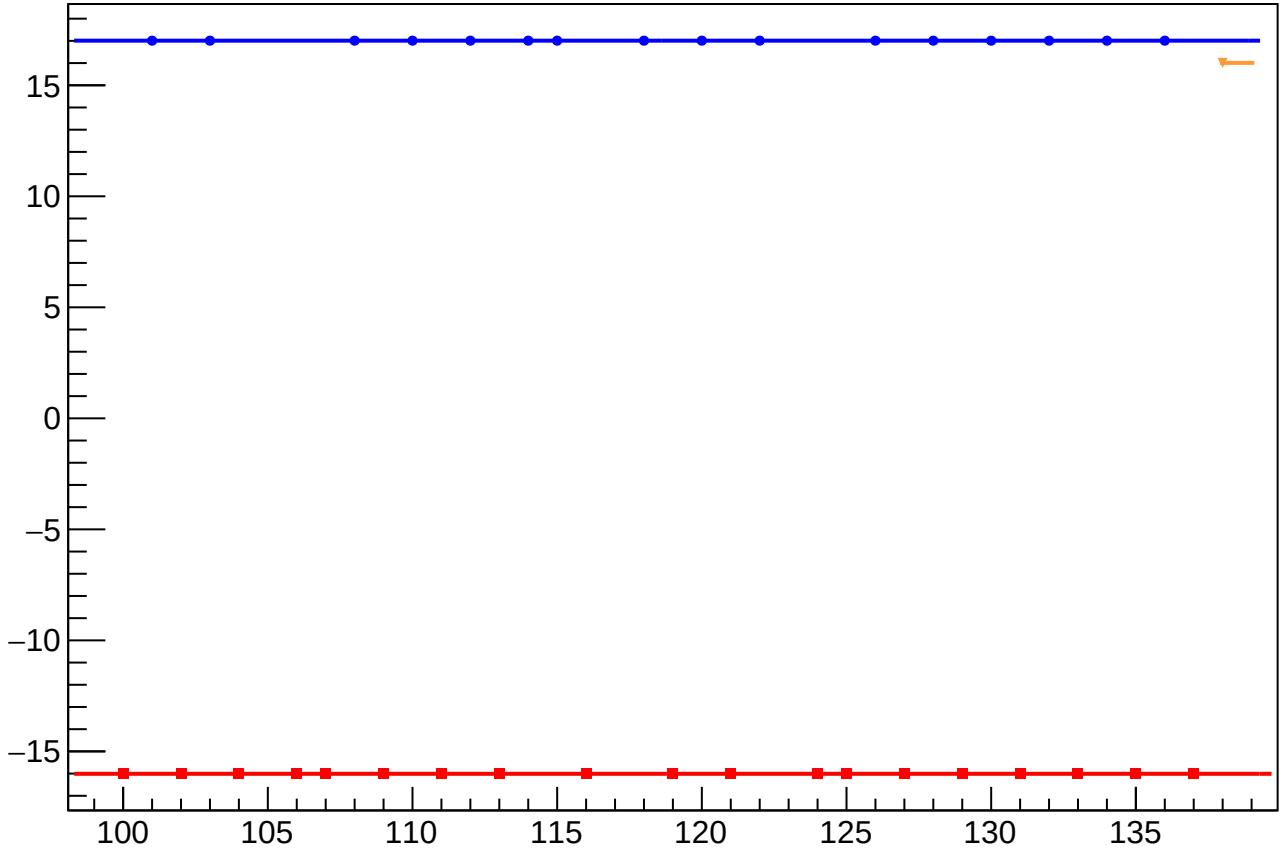
Right: -0.393+/-0.000 χ^2/NDF: 3802025477299216

In: 16.009+/-0.000 χ^2/NDF:44239.3/15

Out: -13.888+/-0.000 χ^2/NDF:7357606851832793

All: 0.438+/-0.000 χ^2/NDF: 40038922648783

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:0.0/0

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 16.009+/-0.000 χ^2/NDF: 0.0/0

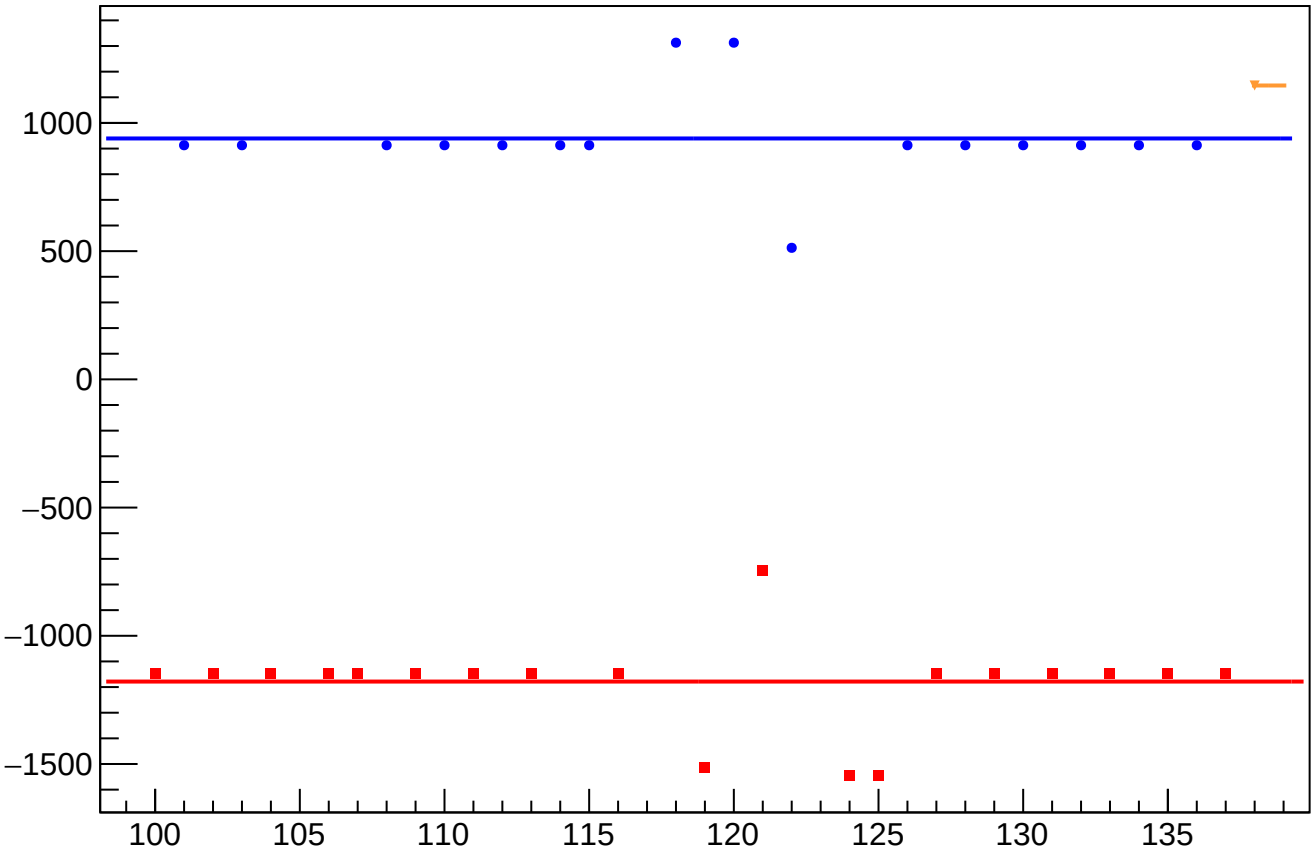
Right: -0.086+/-0.000 χ^2/NDF: 3990694435474134

In: 17.009+/-0.000 χ^2/NDF:126634.3/15

Out: -12.922+/-0.000 χ^2/NDF:7503368144489416

All: 0.757+/-0.000 χ^2/NDF: 4189536933770

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Left Out: 1146.013+/-0.000 χ^2/NDF:0.0/0

Right Out: -1178.513+/-0.000 χ^2/NDF: 221402599581232775654811061148377415680.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

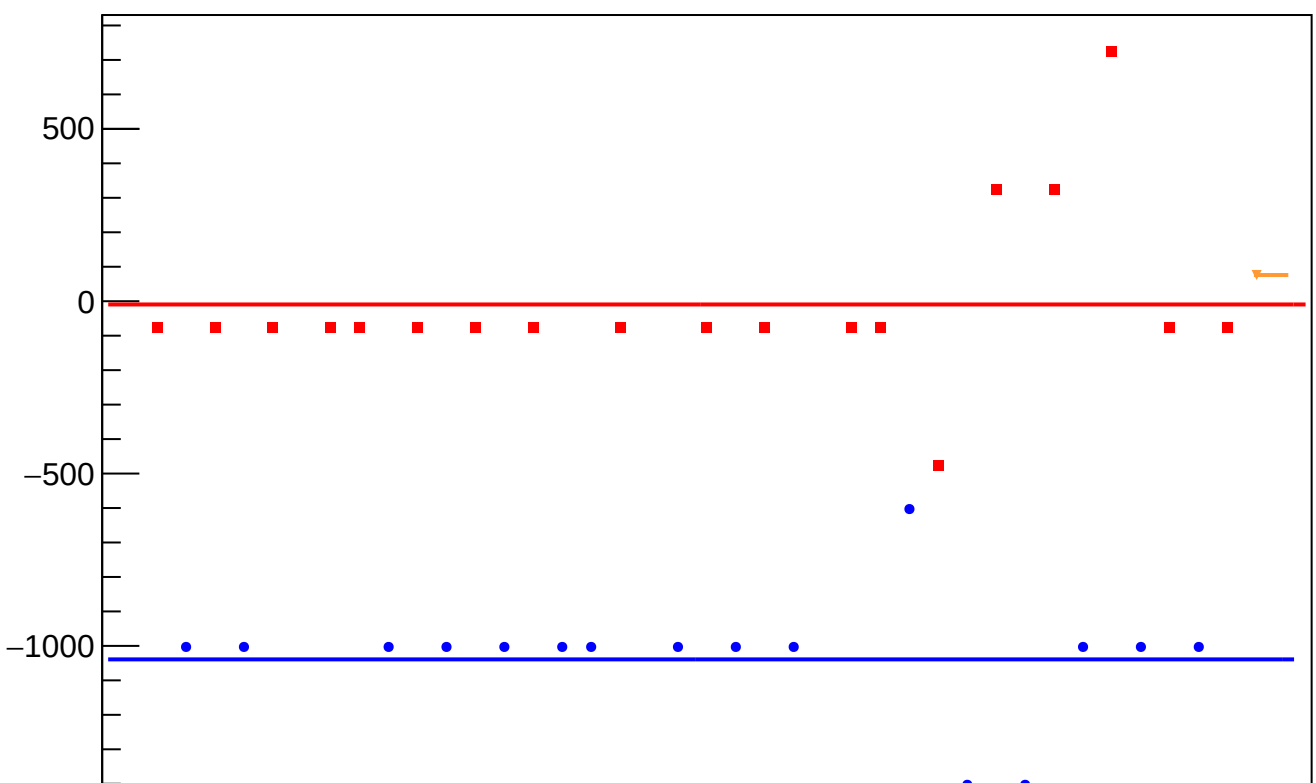
Left: 1146.013+/-0.000 χ^2/NDF: 0.0/0

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

In: 939.446+/-0.000 χ^2/NDF:2108293385609278

Out: -955.425+/-0.000 χ^2/NDF:417812902154550

All: -69.558+/-0.000 χ^2/NDF: 185563717455



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Left Out: 76.009+/-0.000 χ^2/NDF:16357.8/0

Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

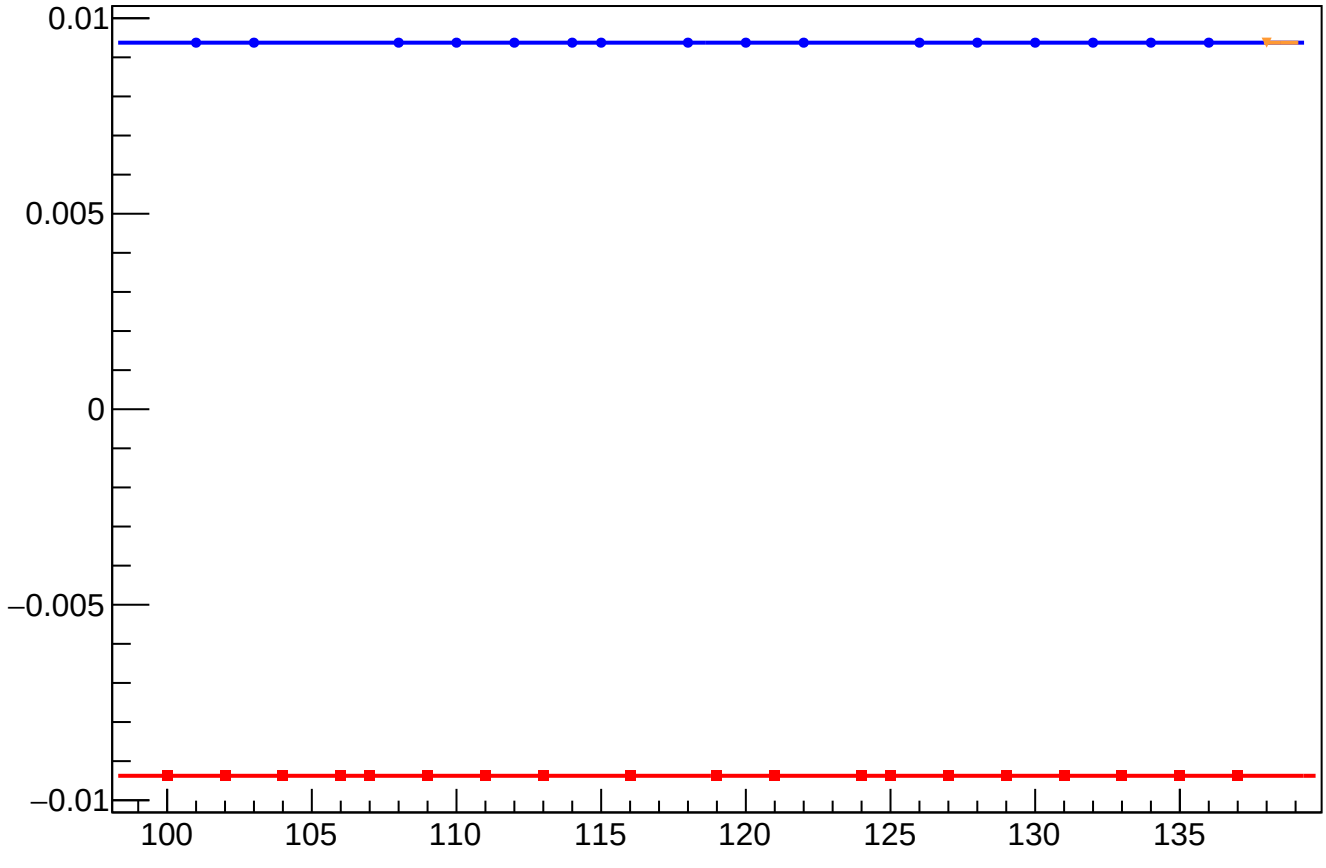
Left: 76.009+/-0.000 χ^2/NDF: 16357.8/0

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

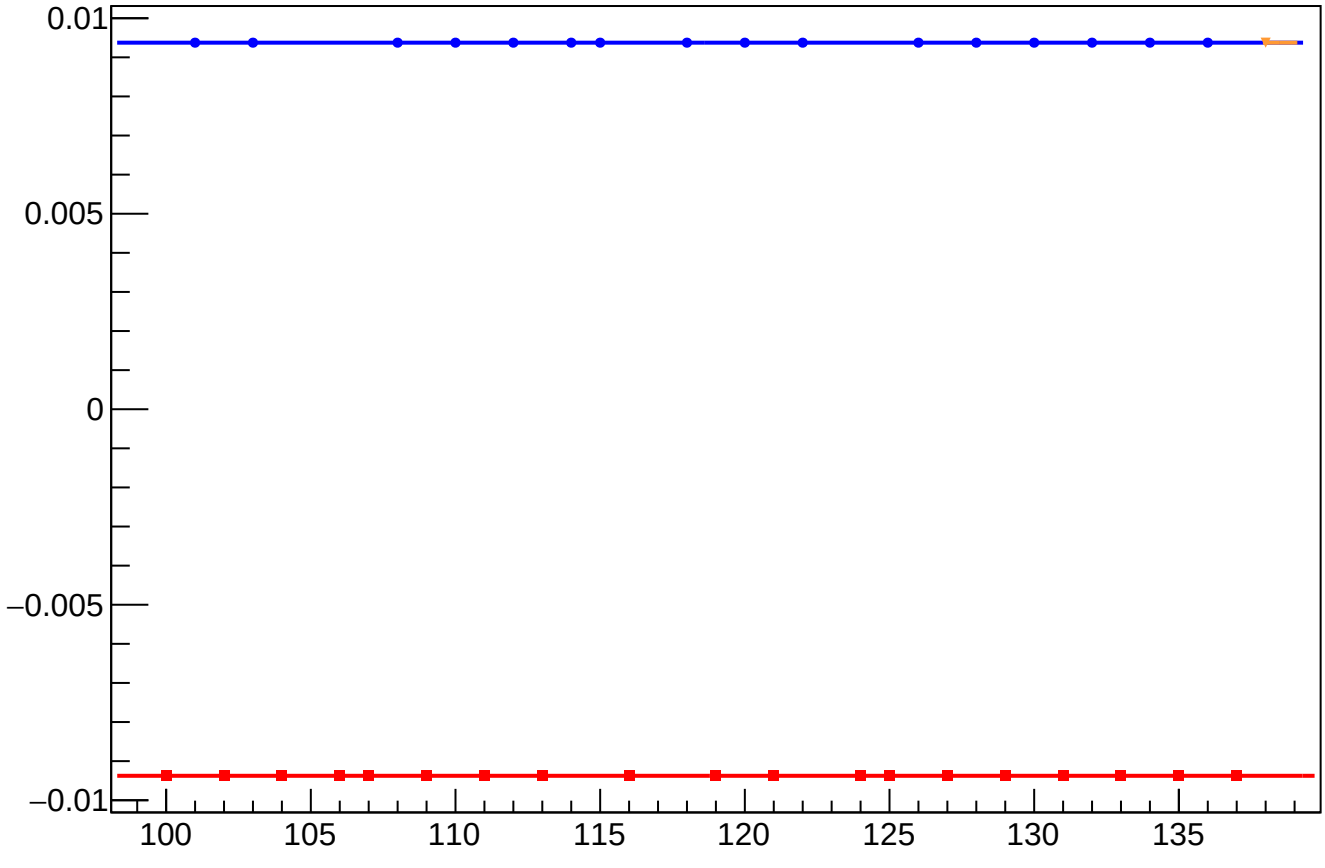
In: -1039.157+/-0.000 χ^2/NDF:228703773085071

Out: -1.230+/-0.000 χ^2/NDF:46591936342298797

All: -486.469+/-0.000 χ^2/NDF: 4945363878


RTPPITA1CNT_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
105
110
115
120
125
130
135
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/0
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/0
Left: 0.009+/-0.000 χ²/NDF: 0.0/0
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: 0.009+/-0.000 χ²/NDF:0.1/15
Out: -0.008+/-0.000 χ²/NDF:25743622260071049
All: 0.000+/-0.000 χ²/NDF: 13911361395899

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/0

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.009+/-0.000 χ^2/NDF: 0.0/0

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.009+/-0.000 χ^2/NDF:0.1/15

Out: -0.008+/-0.000 χ^2/NDF:25743622260071049

All: 0.000+/-0.000 χ^2/NDF: 13911361395899